



# TEST REPORT

**APPLICANT** : Hot Pepper, Inc.  
**PRODUCT NAME** : 4G Smart Phone  
**MODEL NAME** : HPP-GS1  
**BRAND NAME** : Hot Pepper  
**FCC ID** : 2APD4-A81C  
**STANDARD(S)** : 47 CFR Part 22 Subpart H  
: 47 CFR Part 24 Subpart E  
**TEST DATE** : 2019-03-26 to 2019-04-18  
**ISSUE DATE** : 2019-05-22

Edited by: Lion Xiao  
Lion Xiao (Project Engineer)  
Approved by: Anne Liu  
Anne Liu(Supervisor)

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Change History		
Version	Date	Reason for change
1.0	2019-05-22	First edition



# 1. Technical Information

**Note:** Provide by applicant.

## 1.1. Applicant and Manufacturer Information

<b>Applicant:</b>	Hot Pepper, Inc.
<b>Applicant Address:</b>	5151 California Ave., Suite 100, Irvine 92617, USA
<b>Manufacturer:</b>	Hot Pepper, Inc.
<b>Manufacturer Address:</b>	5151 California Ave., Suite 100, Irvine 92617, USA

## 1.2. Equipment Under Test (EUT) Description

<b>Product Name:</b>	4G Smart Phone	
<b>Serial No:</b>	(N/A, marked #1 by test site)	
<b>Hardware Version:</b>	A81C_MAINBOARD_P1	
<b>Software Version:</b>	HPP- GS1-V1.0.4-190121	
<b>Modulation Type:</b>	CDMA2000 1X:QPSK,OQPSK; EVDO 0:QPSK,OQPSK; EVDO A:QPSK,OQPSK;	
<b>Operation Band:</b>	CDMA 800MHz: (BC 0) CDMA 1900MHz: (BC 1)	
<b>Frequency Range:</b>	BC 0 TX: 824.70 MHz – 848.31 MHz; BC 1 TX: 1851.25 – 1908.75 MHz;	
	BC 0 RX: 869.70 MHz – 893.31 MHz; BC 1 RX: 1931.25 MHz – 1988.75 MHz	
<b>Emission Designator:</b>	CDMA 800MHz BC 0:1M28F9W CDMA 1900MHz BC 1: 1M28F9W	
<b>Antenna Type:</b>	PIFA Antenna	
<b>Antenna Gain:</b>	CDMA 800MHz BC 0:	-3.0 dBi
	CDMA 1900MHz BC 1:	-3.0 dBi
<b>Accessory Information:</b>	Battery	
	<b>Manufacturer:</b>	Shenzhen HUATIAN TONG TECHNOLOGY CO.LTD
	<b>Brand Name:</b>	Hot Pepper
	<b>Model No.:</b>	H2019GS1
	<b>Serial No.:</b>	(N/A, marked #1 by test site)



	Capacity:	3850mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.4V
	Manufacturer:	Shenzhen Nine Liyuan Electronic Technology Co., Ltd
	Model No.:	H2019GS1A
<b>Accessory Information:</b>	AC Adapter	
	Manufacturer:	Shenzhen Tianyin Electronics Co., Ltd.
	Brand Name:	Hot Pepper
	Model No.:	TPA-23A050200UU01
	Serial No.:	(N/A, marked #1 by test site)
	Rated Input:	100-240V ~ 50/60Hz 0.3A
	Rated Output:	5V=2.0A

**Note 1:** For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

### 1.3. Maximum ERP/EIRP and Emission Designator

System	Maximum ERP/EIRP (W)	Emission Designator
CDMA BC 0	0.087	1M28F9W
CDMA BC 1	0.125	1M28F9W



## 1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2 and Part 22 & Part24 for the EUT FCC ID Certification:

No	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 22	Public Mobile Services
3	47 CFR Part 24	Personal Communications Services

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

Section	Description	Test Date	Test Engineer	Result
2.1046	Transmitter Conducted Output Power	Mar 26, 2019	Lion Xiao	PASS
24.232(d), 22.913(d)	Peak - Average Ratio	Apr 09, 2019	Lion Xiao	PASS
2.1049	Occupied Bandwidth	Apr 09, 2019	Lion Xiao	PASS
2.1055, 22.355, 24.235	Frequency Stability	Mar 26, 2019 Apr 09, 2019	Lion Xiao	PASS
2.1051, 22.917(a) , 24.238(a)	Conducted Spurious Emissions	Apr 09, 2019	Lion Xiao	PASS
2.1051, 22.917(a) , 24.238(a)	Band Edge	Apr 09, 2019	Lion Xiao	PASS
2.1046, 22.913(a), 24.232(a)	Equivalent Isotropic Radiated Power	Mar 26, 2019 Apr 18, 2019	Jiefeng Zhang	PASS
2.1053, 22.917(a) , 24.238(a)	Radiated Spurious Emissions	Mar 26, 2019 Apr 18, 2019	Jiefeng Zhang	PASS
<b>Note:</b> The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03r01 and ANSI/TIA-603-E-2016.				

## 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
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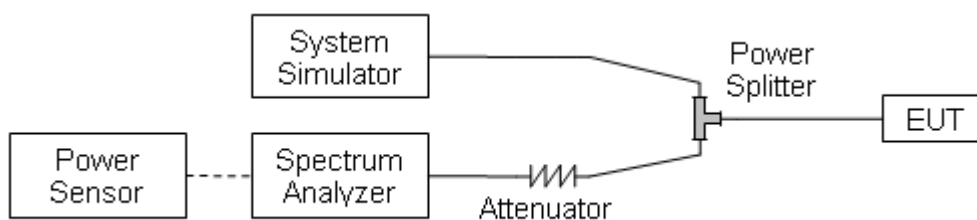
## 2. 47 CFR Part 2, 22H and 24E Requirements

### 2.1. Transmitter Conducted 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



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. A call is established between the EUT and the SS.

#### 2.1.3. Test procedure

KDB971168 D01 v03r01 Section 5.2 and ANSI/TIA-603-E-2016.



## 2.1.4. Result

Band	CDMA2000 BC 0 800MHz		
<b>TX Channel</b>	<b>1013</b>	<b>384</b>	<b>777</b>
<b>Frequency (MHz)</b>	<b>824.7</b>	<b>836.52</b>	<b>848.31</b>
RC1 SO55	24.50	24.80	24.61
RC3 SO55	24.60	24.81	24.66
RC3 SO32 (F+SCH)	23.65	23.95	24.49
RC3 SO32 (+SCH)	23.95	23.86	24.16
1xEVDO Rev 0	23.08	23.01	22.92
1xEVDO Rev A	23.10	23.13	23.12

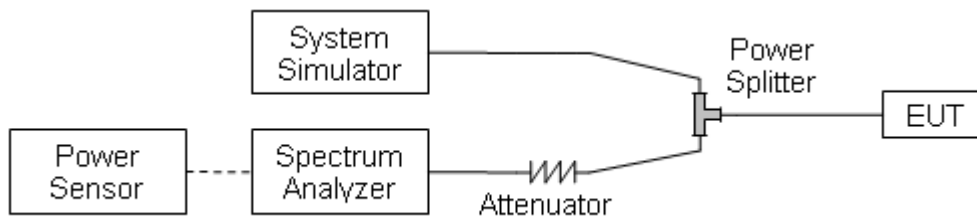
Band	CDMA2000 BC 1 1900MHz		
<b>TX Channel</b>	<b>25</b>	<b>600</b>	<b>1175</b>
<b>Frequency (MHz)</b>	<b>1851.25</b>	<b>1880</b>	<b>1908.75</b>
RC1 SO55	24.88	24.85	24.90
RC3 SO55	24.90	24.86	24.94
RC3 SO32 (F+SCH)	24.62	24.16	24.50
RC3 SO32 (+SCH)	24.58	23.99	24.25
1xEVDO Rev 0	22.82	22.89	23.01
1xEVDO Rev A	22.80	23.13	23.25

## 2.2. Occupied Bandwidth

### 2.2.1. 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.

### 2.2.2. Test Description



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. A call is established between the EUT and the SS.

### 2.2.3. Test procedure

KDB971168 D01 v03r01 Section 4.1 and ANSI/TIA-603-E-2016.





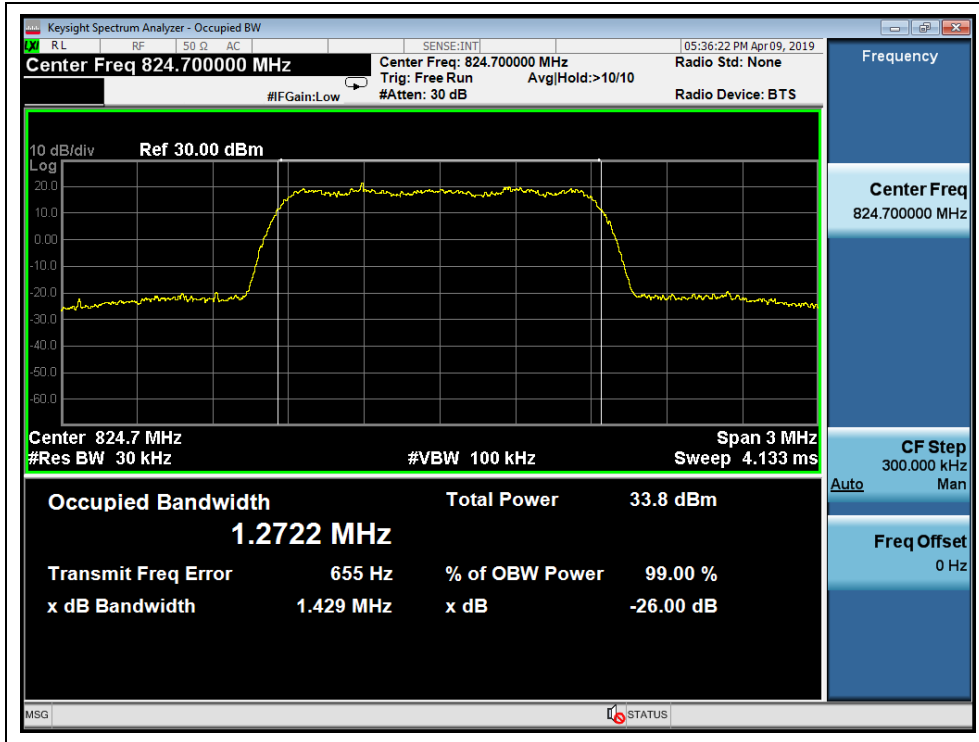
2.2.4. Test Result

Band	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB bandwidth (MHz)
CDMA (BC0)	1013	824.7	1.2722	1.429
	384	836.52	1.2705	1.428
	777	848.31	1.2735	1.425
1XEVD0 Rev 0 (BC0)	1013	824.7	1.2727	1.427
	384	836.52	1.2714	1.431
	777	848.31	1.2751	1.438
1XEVD0 Rev A (BC0)	1013	824.7	1.2727	1.429
	384	836.52	1.2713	1.431
	777	848.31	1.2754	1.436

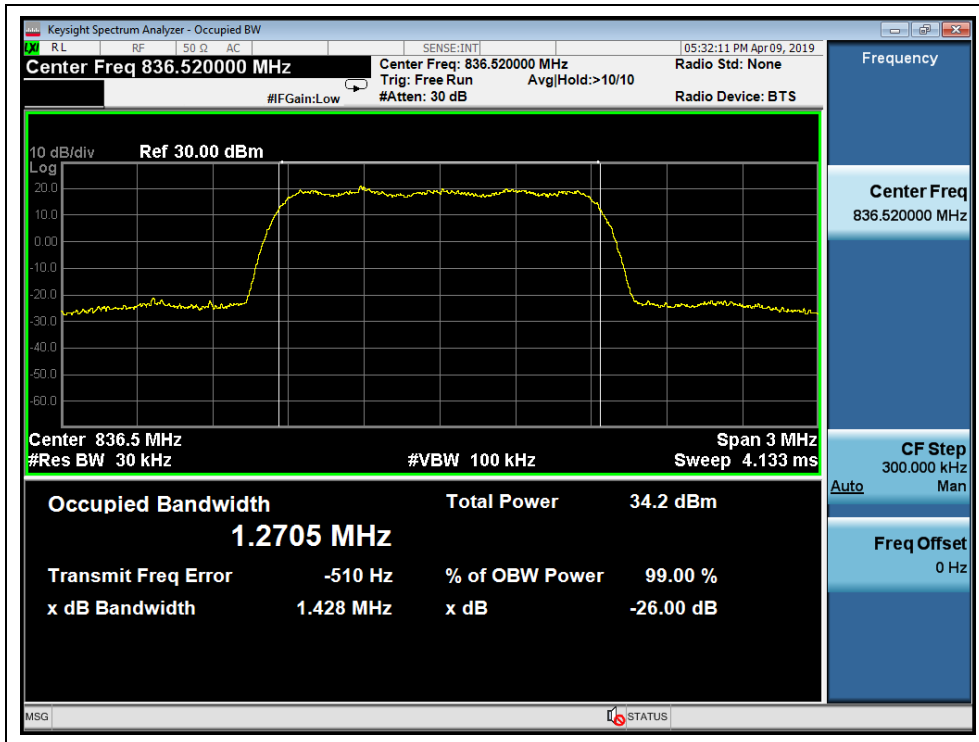
Band	Channel	Frequency (MHz)	99% Occupied Bandwidth (MHz)	26dB bandwidth (MHz)
CDMA (BC1)	25	1851.25	1.2772	1.436
	600	1880	1.2761	1.449
	1175	1908.75	1.2763	1.455
1XEVD0 Rev 0 (BC1)	25	1851.25	1.2710	1.438
	600	1880	1.2799	1.452
	1175	1908.75	1.2743	1.447
1XEVD0 Rev A (BC1)	25	1851.25	1.2716	1.437
	600	1880	1.2790	1.459
	1175	1908.75	1.2790	1.450



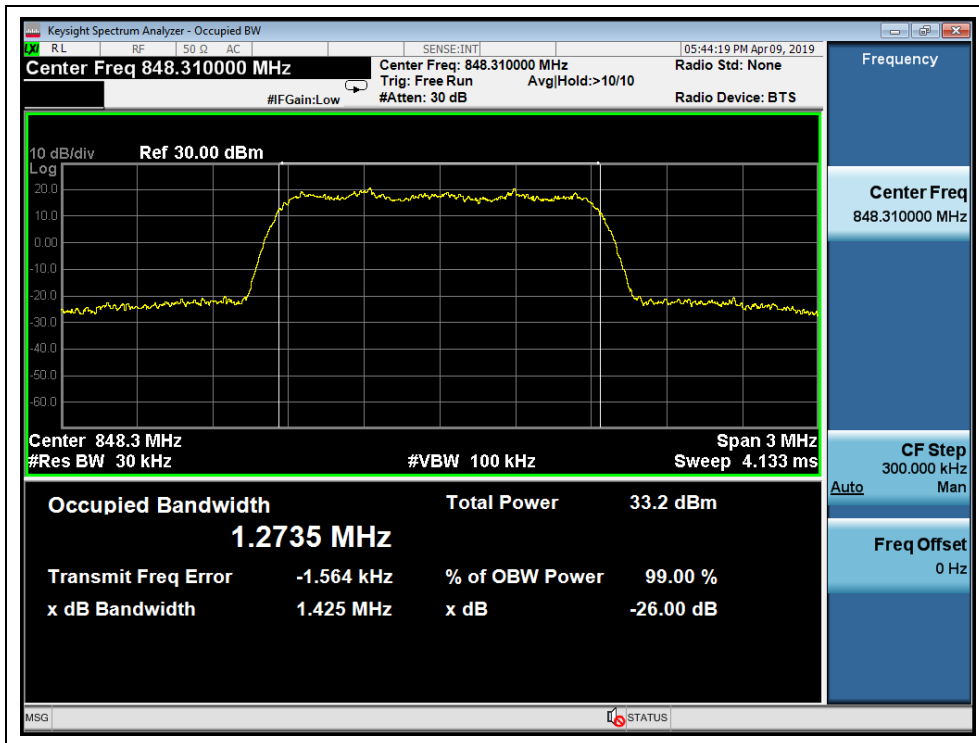
Test Plots:



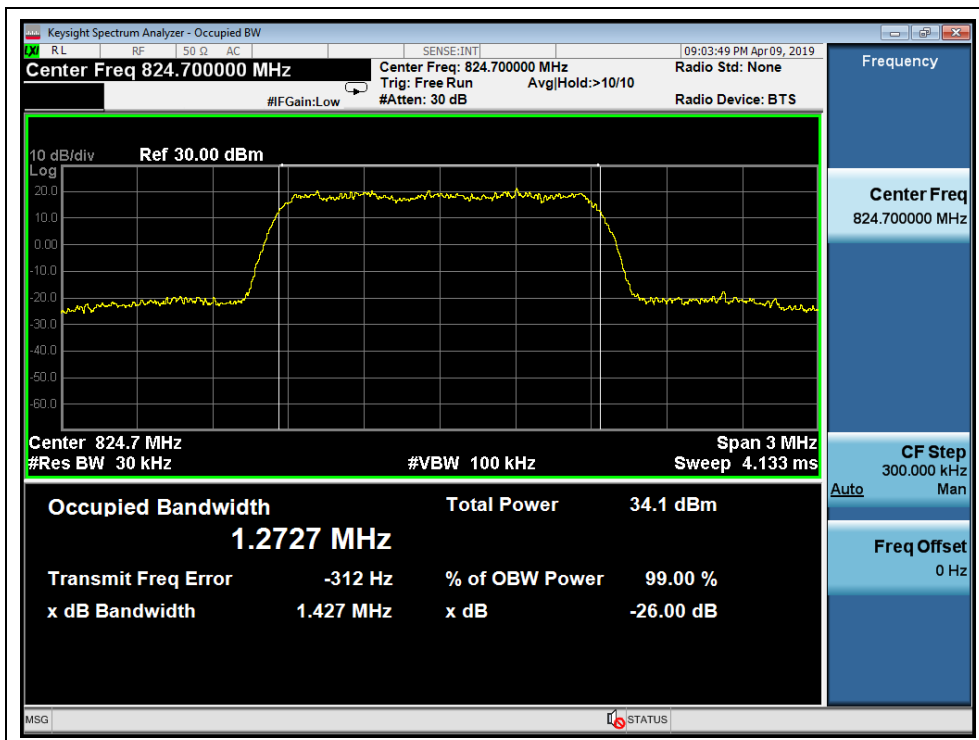
(CDMA BC0, Channel = 1013)



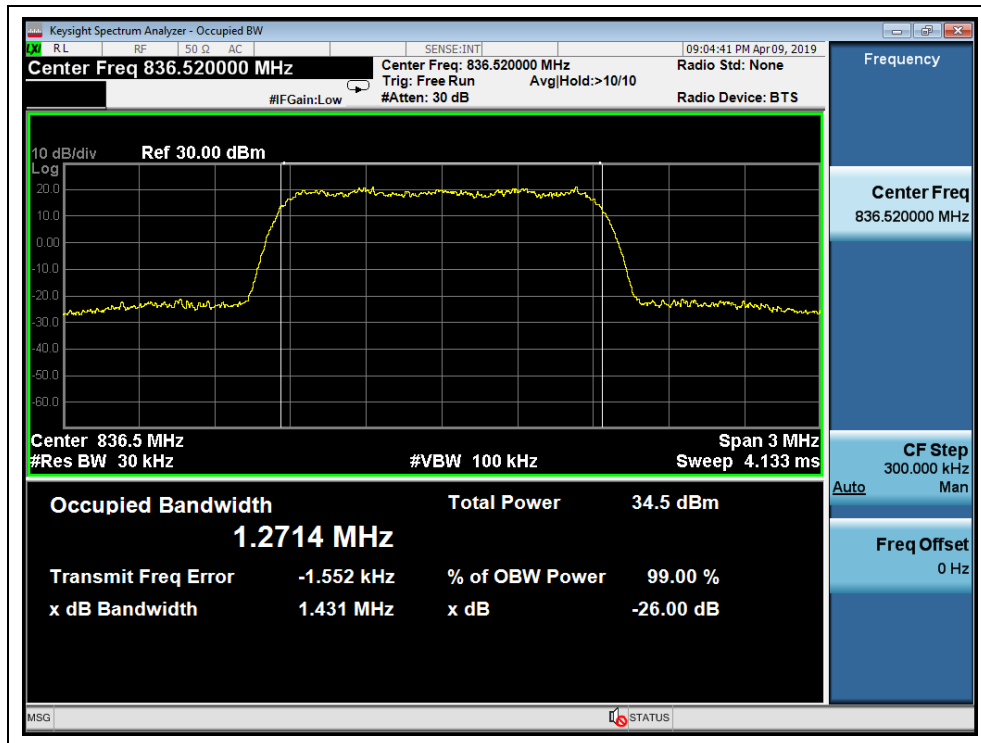
(CDMA BC0, Channel = 384)



(CDMA BC0, Channel = 777)



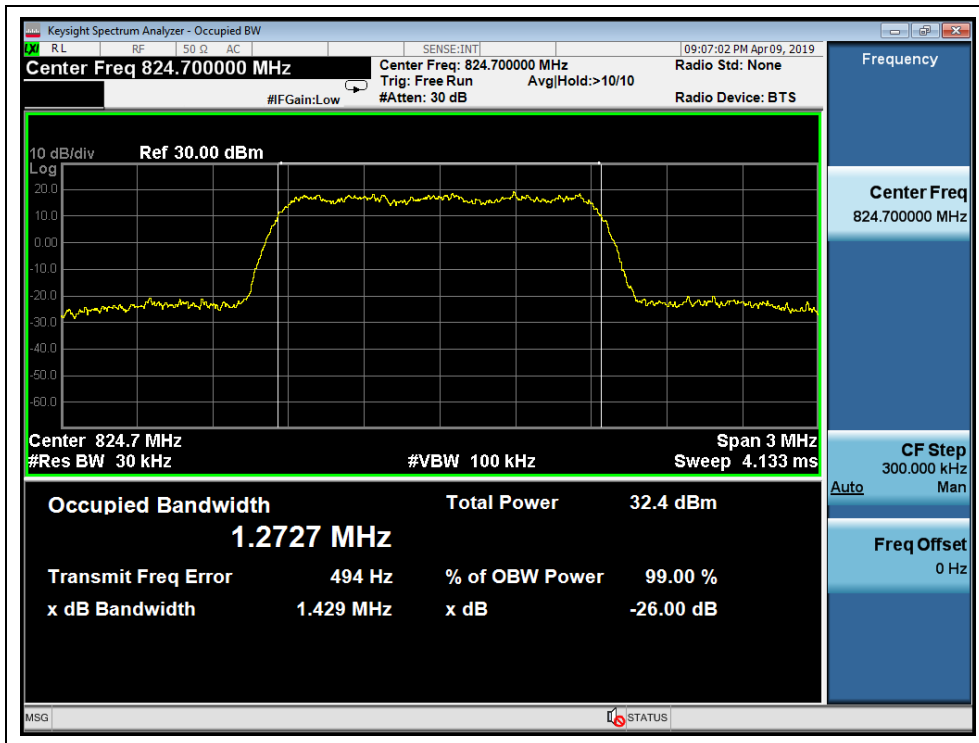
(1XEVD0 Rev 0 BC0, Channel = 1013)



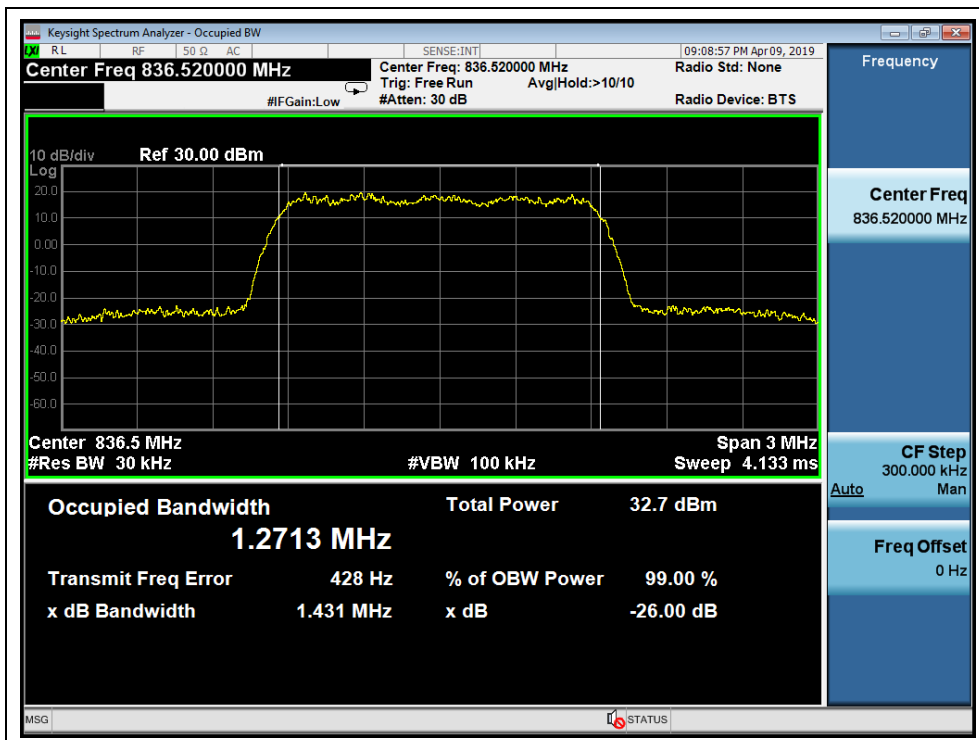
(1xEVDO Rev 0 BC0, Channel = 384)



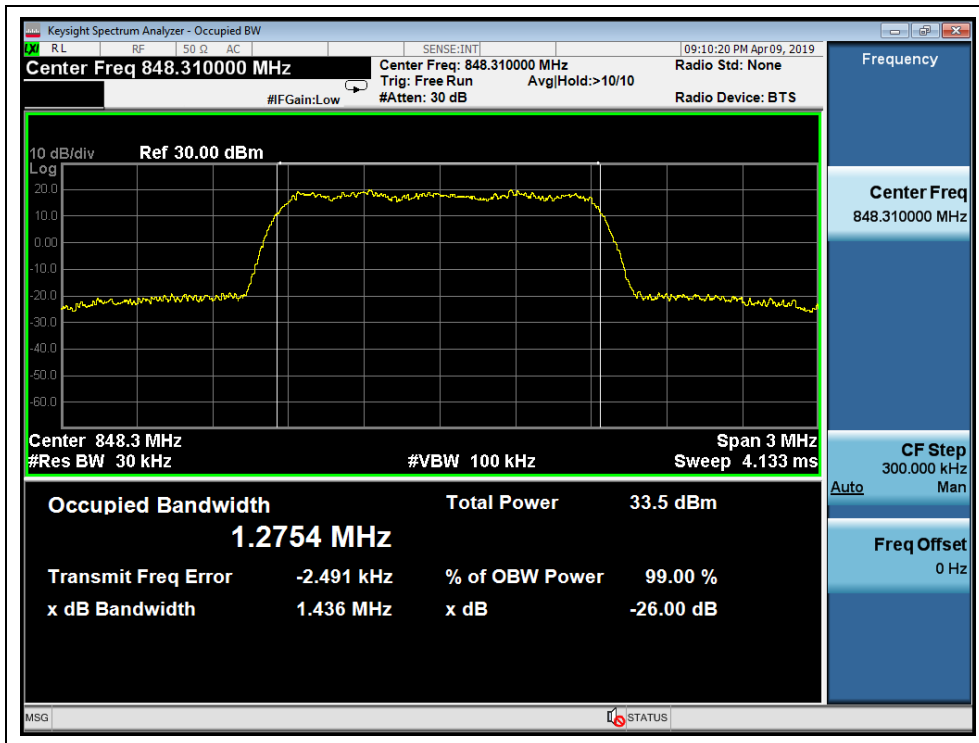
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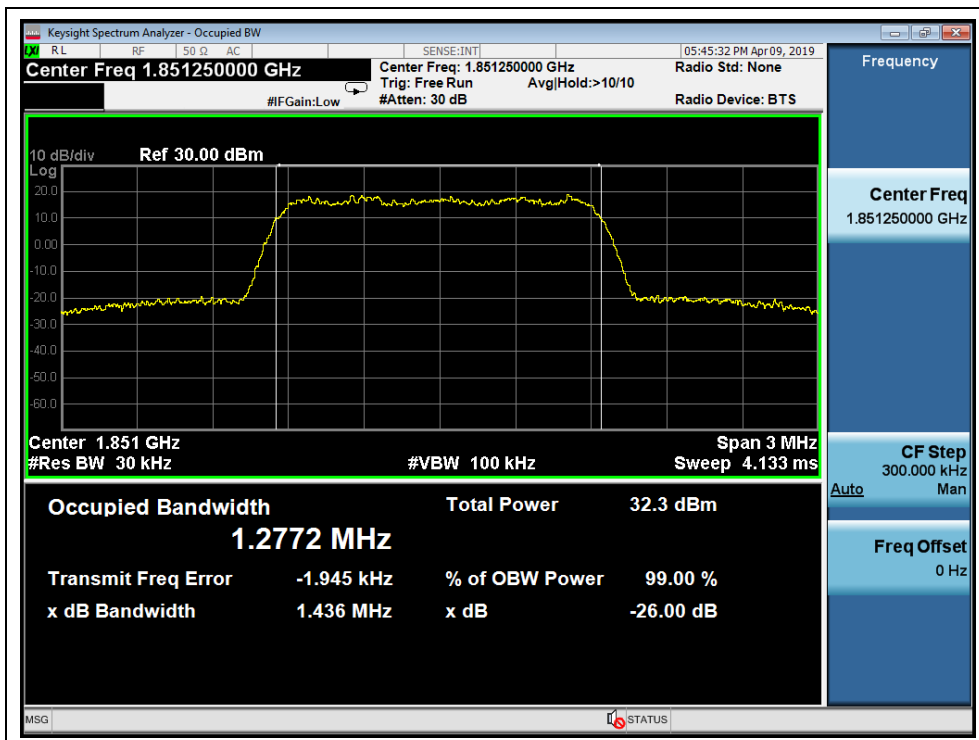
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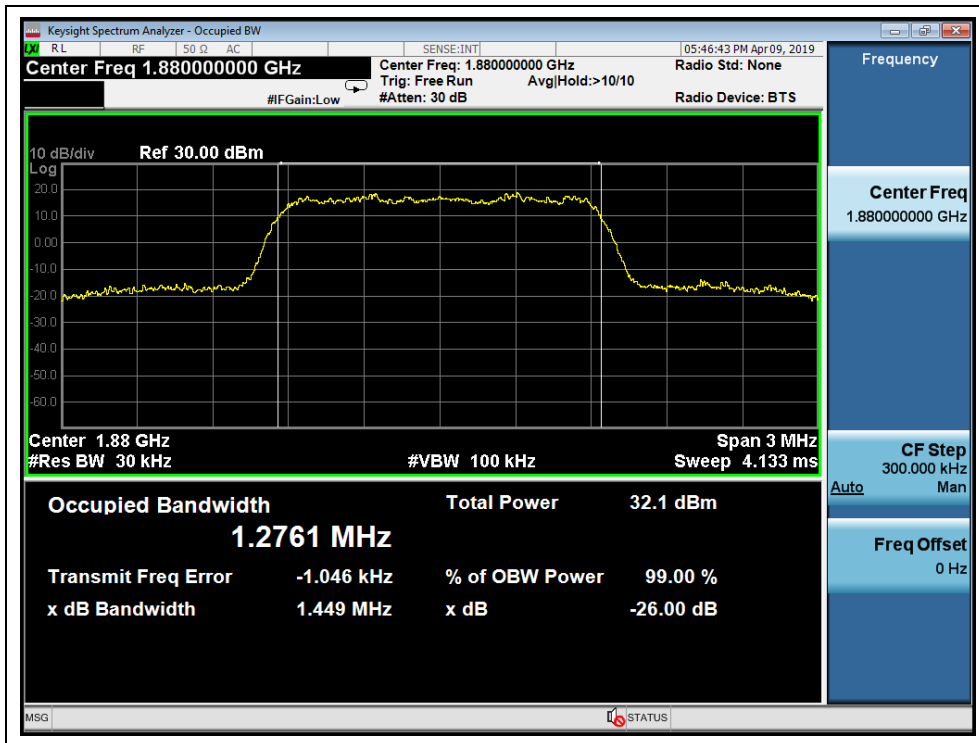
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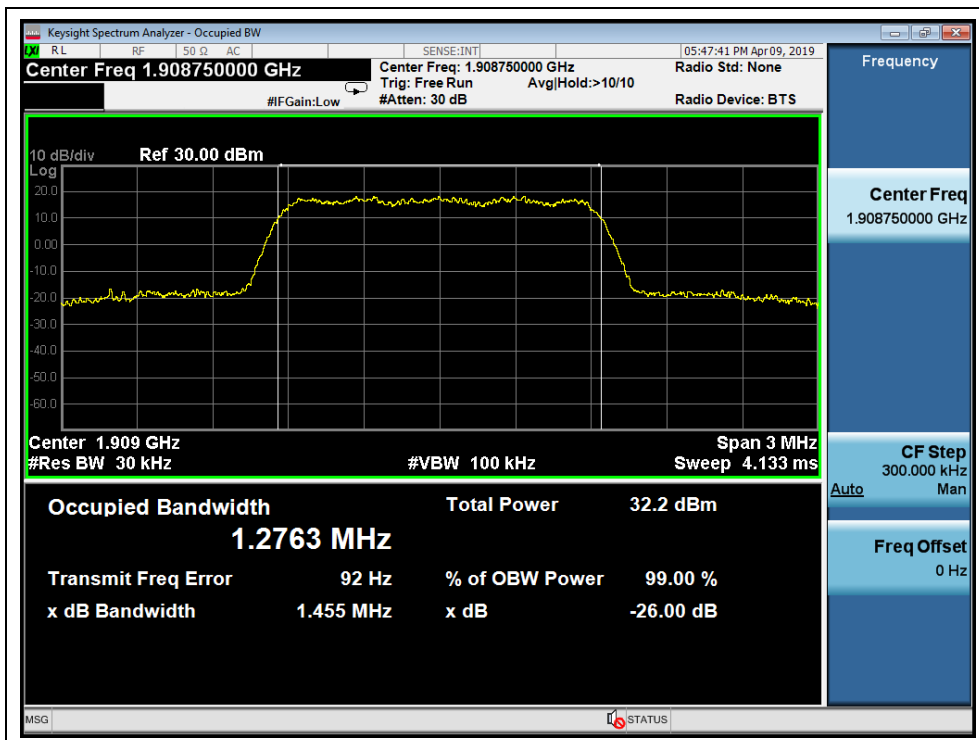
(1xEVDO Rev A BC0, Channel = 777)



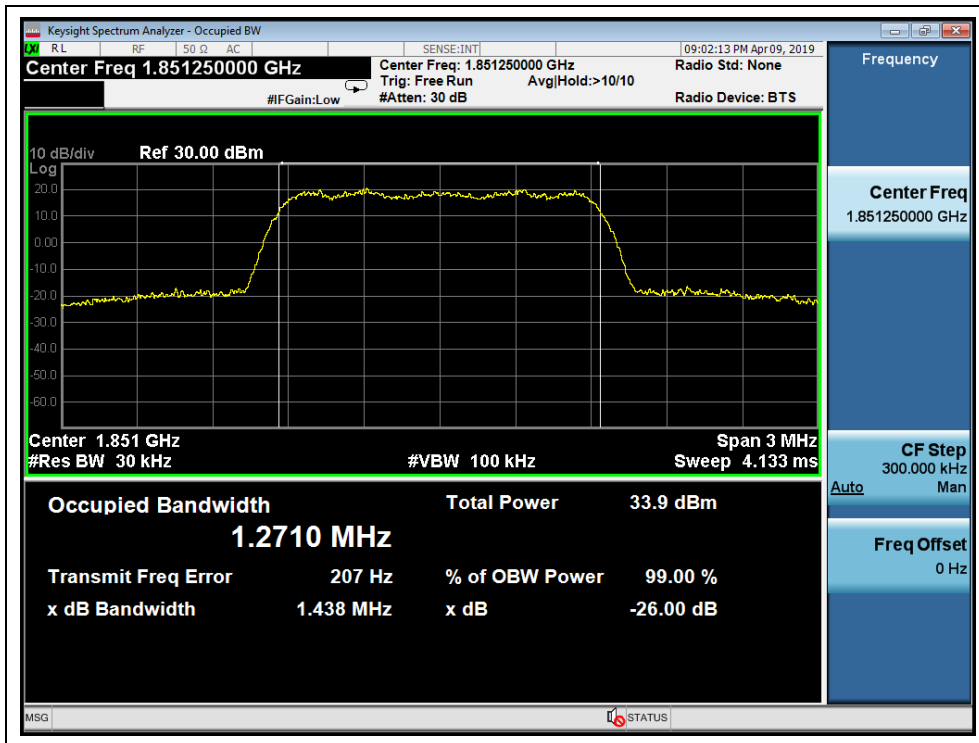
(CDMA BC1, Channel = 25)



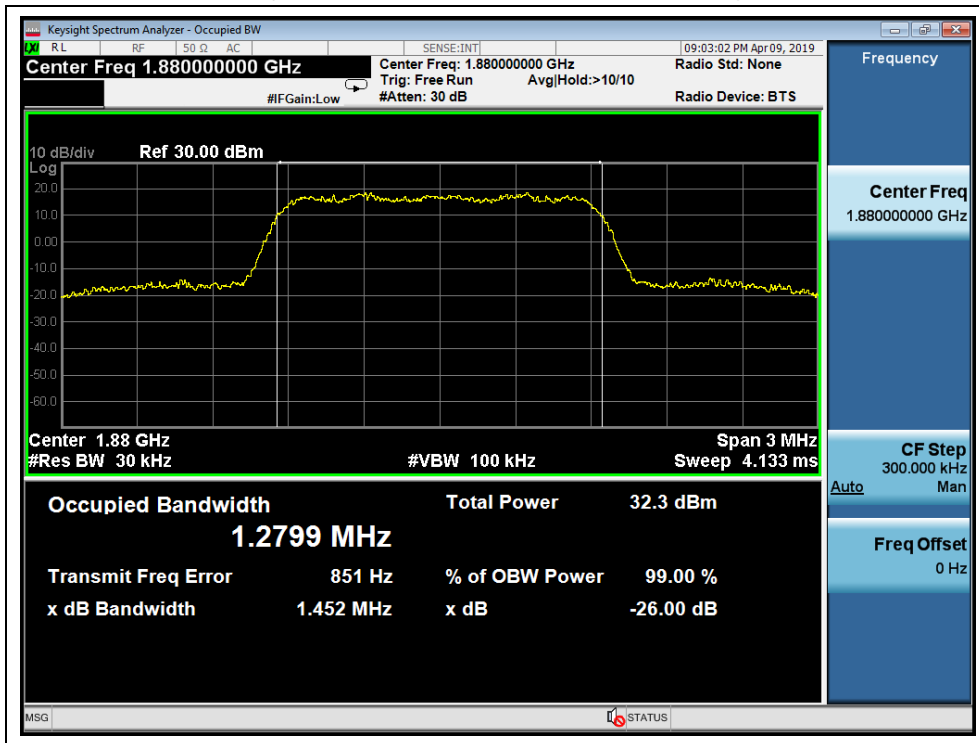
(CDMA BC1, Channel = 600)



(CDMA BC1, Channel = 1175)

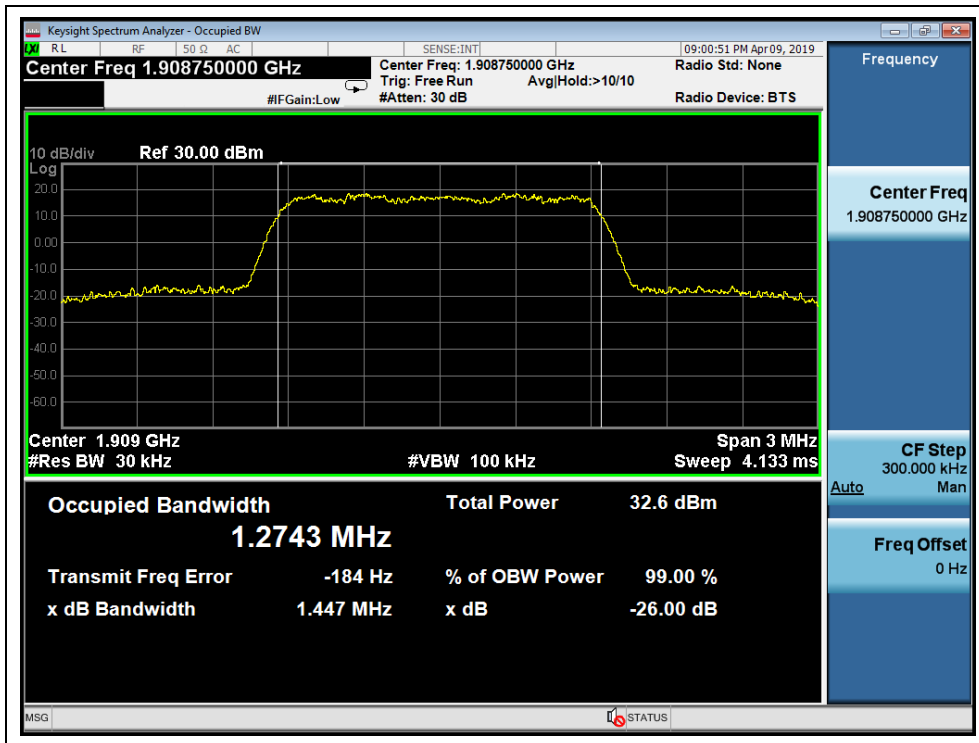


(1XEVD0 Rev 0 BC1, Channel = 25)

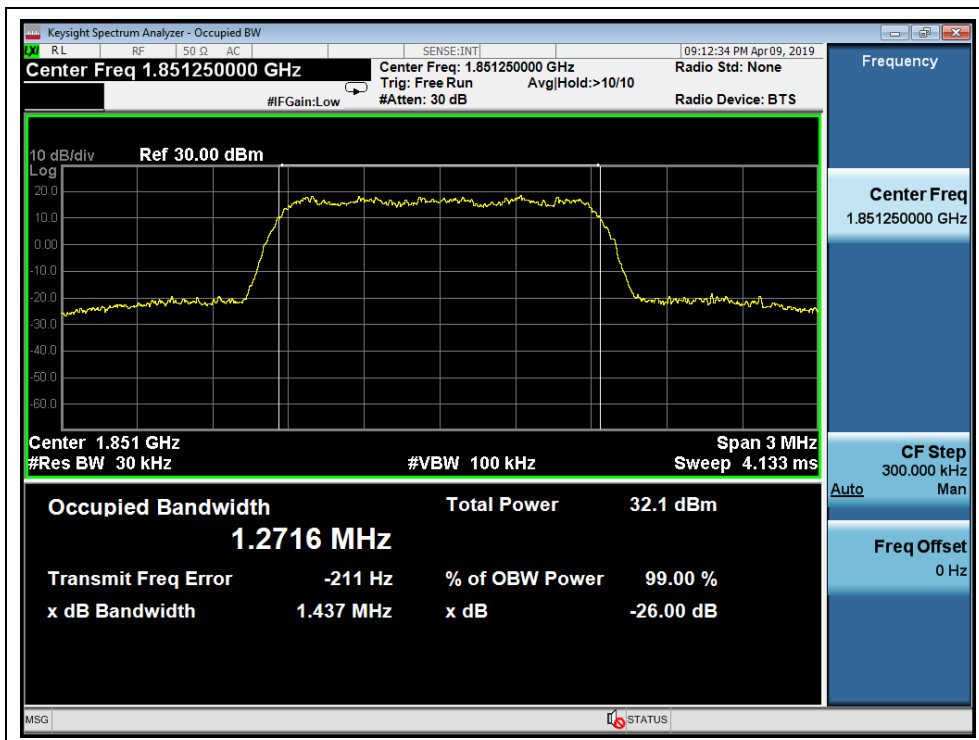


(1XEVD0 Rev 0 BC1, Channel = 600)

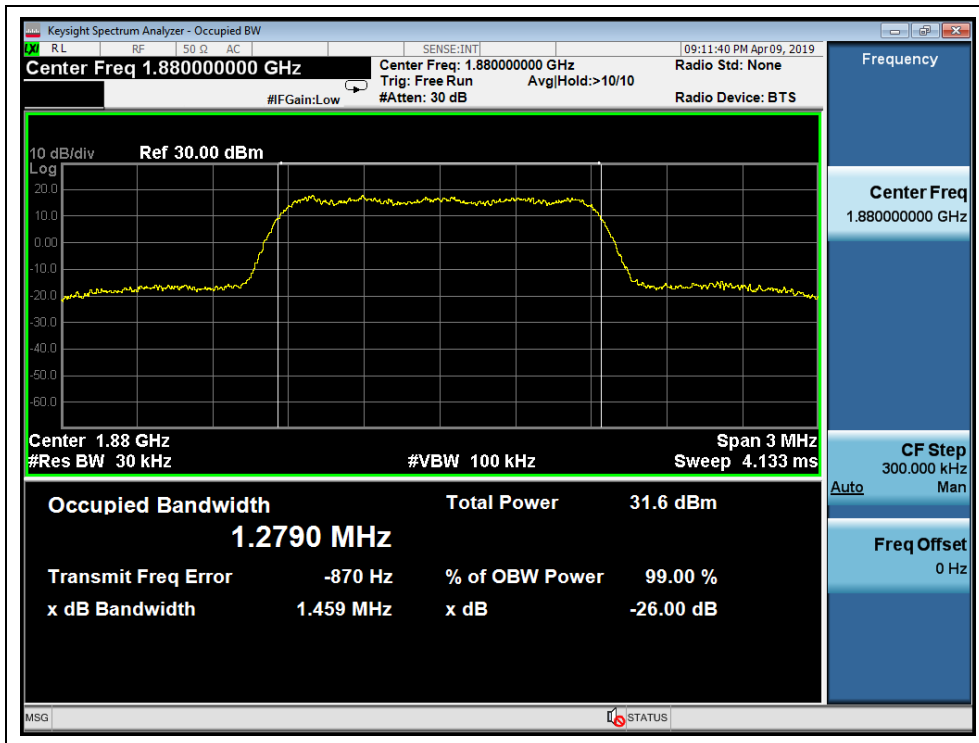




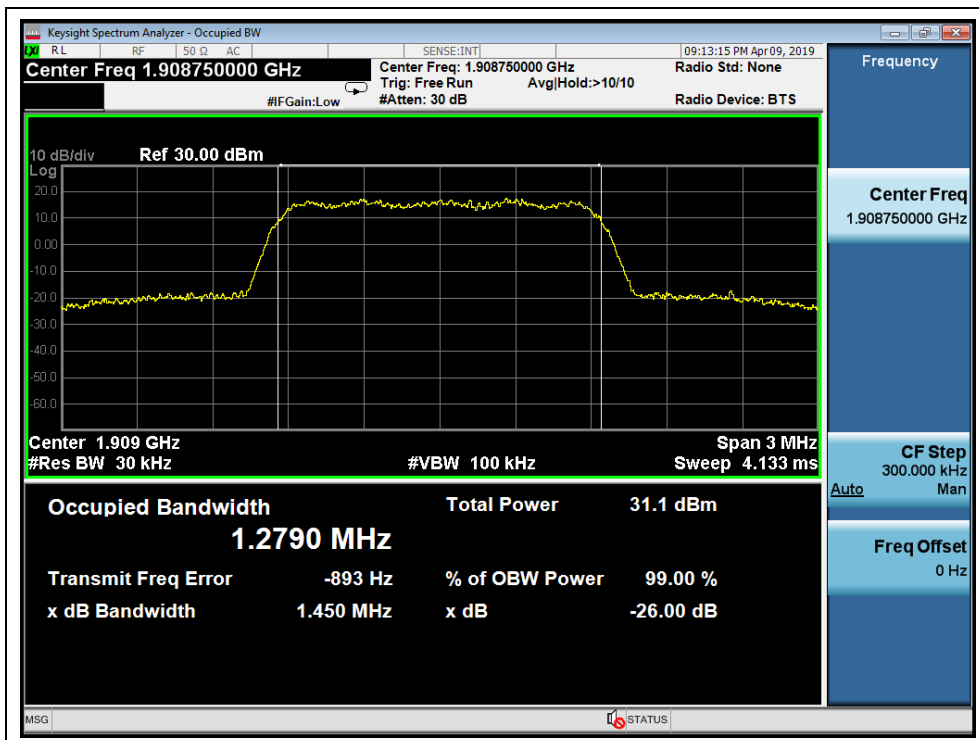
(1XEVD0 Rev 0 BC1, Channel = 1175)



(1XEVD0 Rev A BC1, Channel = 25)



(1XEVD0 Rev A BC1, Channel = 600)



(1XEVD0 Rev A BC1, Channel = 1175)

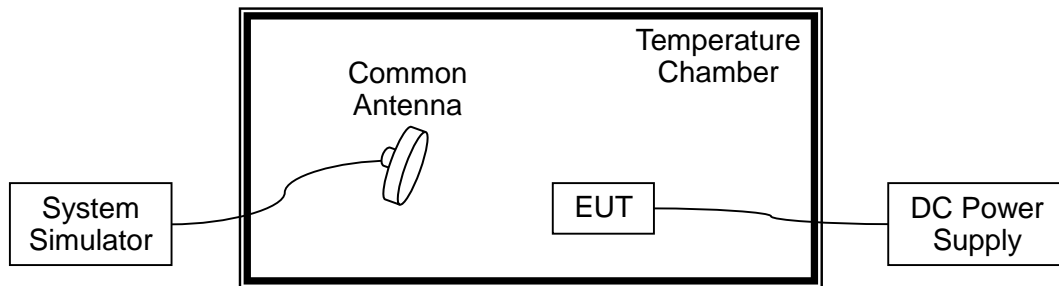
## 2.3. Frequency Stability

### 2.3.1. Requirement

According to FCC section 2.1055 & 22.355&24.235, the frequency stability shall be sufficient to ensure that the fundamental emission stays Part 22 limit is  $\pm 2.5\text{ppm}$ , only part 24 is within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from  $-30^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  at intervals of not more than  $10^{\circ}\text{C}$ .
- (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.

### 2.3.2. Test Description



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.

### 2.3.3. Test procedure

KDB971168 D01 v03r01 Section 9.0 and ANSI/TIA-603-E-2016.



**2.3.4. Test Result**

The nominal, highest and lowest extreme voltages are separately 3.8VDC, 4.35VDC and 3.5VDC, which are specified by the applicant; the normal temperature here used is 20°C.

<b>CDMA 800MHz BC0, Channel 384, Frequency 836.52MHz</b>					
<b>Limit =±2.5ppm</b>					
<b>Voltage (%)</b>	<b>Power (VDC)</b>	<b>Temp (°C)</b>	<b>Fre. Dev. (Hz)</b>	<b>Deviation (ppm)</b>	<b>Result</b>
100	3.8	+20(Ref)	38	0.045	PASS
100		-30	46	0.055	
100		-20	40	0.048	
100		-10	29	0.035	
100		0	35	0.042	
100		+10	43	0.051	
100		+20	31	0.037	
100		+30	48	0.057	
100		+40	36	0.043	
100		+50	30	0.036	
115	4.4	+20	45	0.054	
85	3.5	+20	49	0.059	

<b>1XEVD0 Rev 0 BC0, Channel 384, Frequency 836.52MHz</b>					
<b>Limit =±2.5ppm</b>					
<b>Voltage (%)</b>	<b>Power (VDC)</b>	<b>Temp (°C)</b>	<b>Fre. Dev. (Hz)</b>	<b>Deviation (ppm)</b>	<b>Result</b>
100	3.8	+20(Ref)	31	0.037	PASS
100		-30	46	0.055	
100		-20	40	0.048	
100		-10	49	0.059	
100		0	34	0.041	
100		+10	37	0.044	
100		+20	25	0.030	
100		+30	29	0.035	
100		+40	21	0.025	
100		+50	26	0.031	
115	4.4	+20	48	0.057	
85	3.5	+20	40	0.048	



1XEVD0 Rev A BC0, Channel 384, Frequency 836.52MHz Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.8	+20(Ref)	43	0.051	PASS
100		-30	49	0.059	
100		-20	56	0.067	
100		-10	50	0.060	
100		0	44	0.053	
100		+10	51	0.061	
100		+20	59	0.071	
100		+30	45	0.054	
100		+40	39	0.047	
100		+50	34	0.041	
115	4.4	+20	48	0.057	
85	3.5	+20	42	0.050	

CDMA 1900MHz BC1, Channel 600, Frequency 1880MHz Limit = Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.8	+20(Ref)	-60	-0.032	PASS
100		-30	-53	-0.028	
100		-20	-58	-0.031	
100		-10	-50	-0.027	
100		0	-42	-0.022	
100		+10	-67	-0.036	
100		+20	-51	-0.027	
100		+30	-64	-0.034	
100		+40	-69	-0.037	
100		+50	-53	-0.028	
115	4.4	+20	-57	-0.030	
85	3.5	+20	-62	-0.033	



1XEVD0 Rev 0 BC1, Channel 600, Frequency 1880MHz					
Limit = Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.8	+20(Ref)	-51	-0.027	PASS
100		-30	-54	-0.029	
100		-20	-65	-0.035	
100		-10	-48	-0.026	
100		0	-52	-0.028	
100		+10	-59	-0.031	
100		+20	-43	-0.023	
100		+30	-47	-0.025	
100		+40	-60	-0.032	
100		+50	-55	-0.029	
115	4.4	+20	-48	-0.026	
85	3.5	+20	-64	-0.034	

1XEVD0 Rev A BC1, Channel 600, Frequency 1880MHz					
Limit = Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
100	3.8	+20(Ref)	-46	-0.024	PASS
100		-30	-49	-0.026	
100		-20	-57	-0.030	
100		-10	-50	-0.027	
100		0	-41	-0.022	
100		+10	-45	-0.024	
100		+20	-53	-0.028	
100		+30	-58	-0.031	
100		+40	-42	-0.022	
100		+50	-60	-0.032	
115	4.4	+20	-49	-0.026	
85	3.5	+20	-56	-0.030	

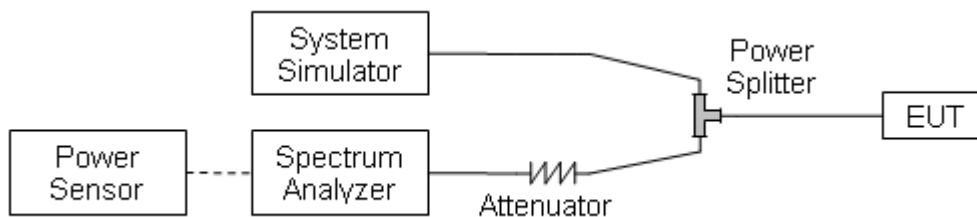
## 2.4. Peak to Average Ratio

### 2.4.1. Requirement

According to FCC section 22.913(d) & 24.232(d), the peak to average ratio (PAR) of the transmission may not exceed 13dB.

### 2.4.2. Test Description

#### A. Test Set:



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. A call is established between the EUT and the SS.

### 2.4.3. Test procedure

KDB971168 D01 v03r01 Section 5.7 and ANSI/TIA-603-E-2016.



**2.4.4. Test Result**

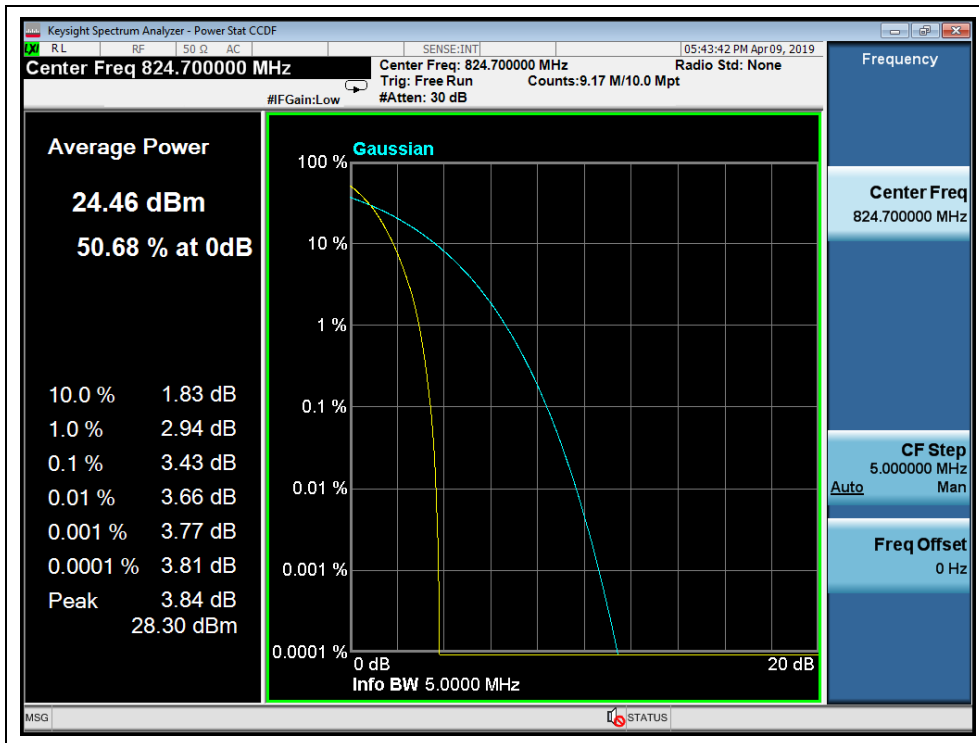
Record the maximum PAPR level associated with a probability of 0.1%.

Band	Channel	Frequency (MHz)	Peak to Average ratio	Limit	Verdict	
			dB	dB		
CDMA (BC0)	1013	824.7	3.43	13	PASS	
	384	836.52	3.69		PASS	
	777	848.31	3.31		PASS	
1xEVDO Rev 0 (BC0)	1013	824.7	3.33		PASS	
	384	836.52	3.59		PASS	
	777	848.31	3.17		PASS	
1xEVDO Rev A (BC0)	1013	824.7	3.34		PASS	
	384	836.52	3.57		PASS	
	777	848.31	3.17		PASS	
CDMA (BC1)	25	1851.25	3.11		13	PASS
	600	1880	2.75			PASS
	1175	1908.75	2.95			PASS
1xEVDO Rev 0 (BC1)	25	1851.25	3.10	PASS		
	600	1880	2.70	PASS		
	1175	1908.75	2.85	PASS		
1xEVDO Rev A (BC1)	25	1851.25	3.10	PASS		
	600	1880	2.69	PASS		
	1175	1908.75	2.86	PASS		

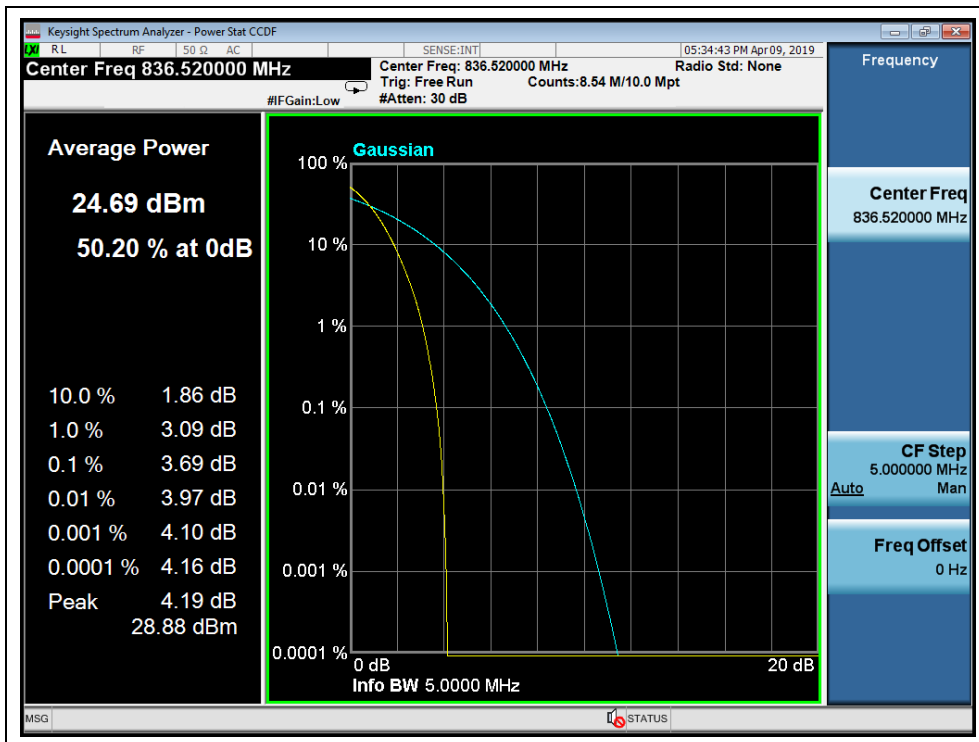




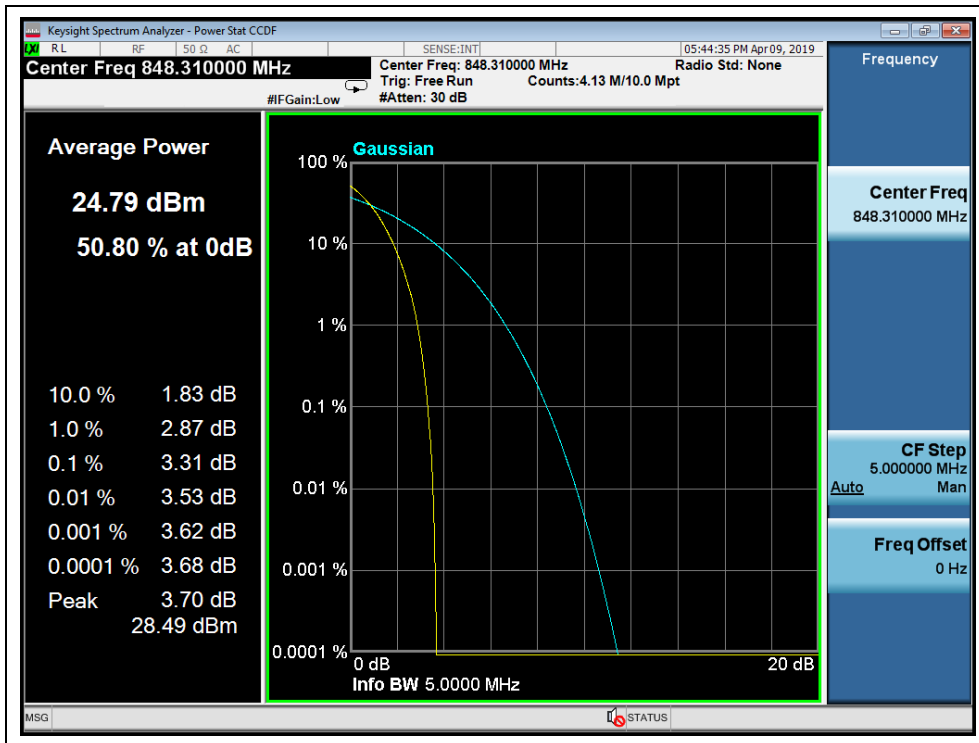
Test Plots:



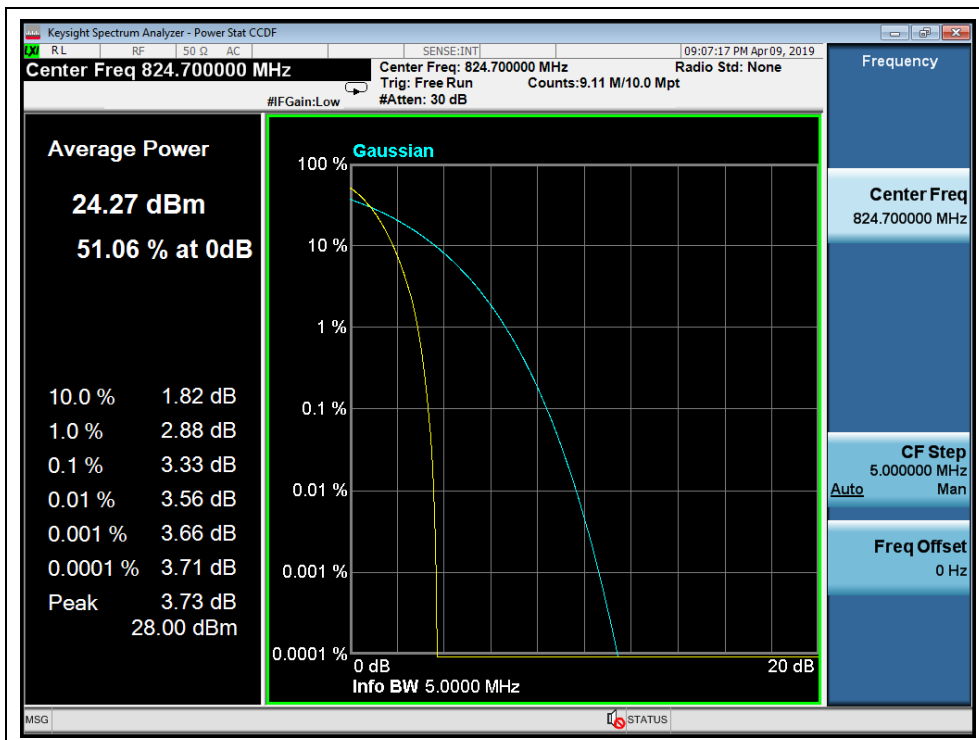
(CDMA BC0, Channel = 1013)



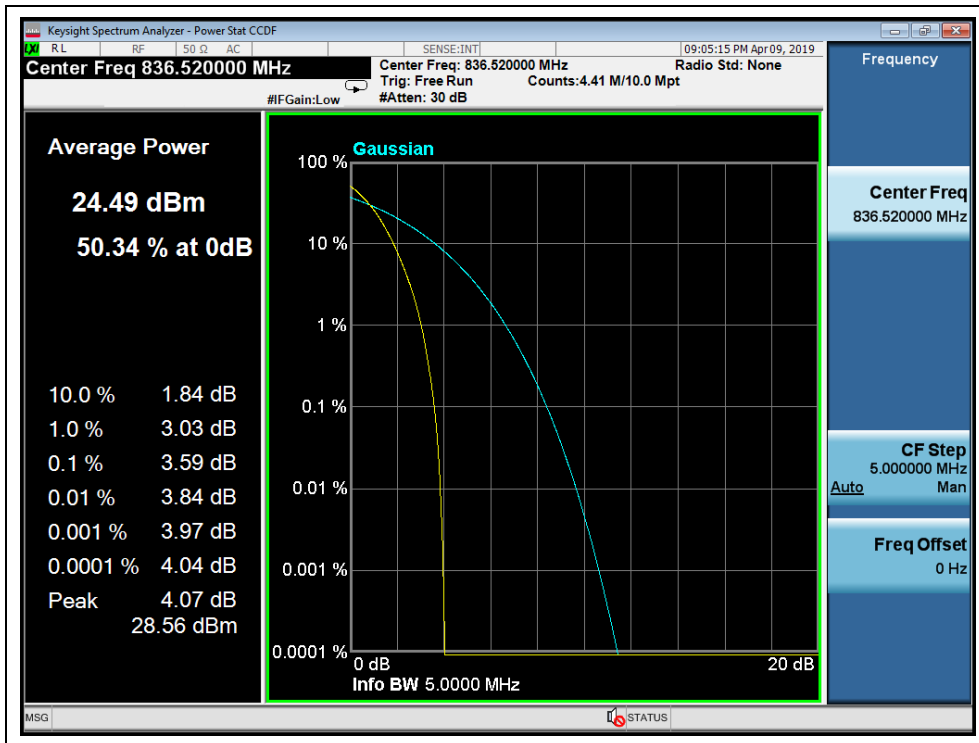
(CDMA BC0, Channel = 384)



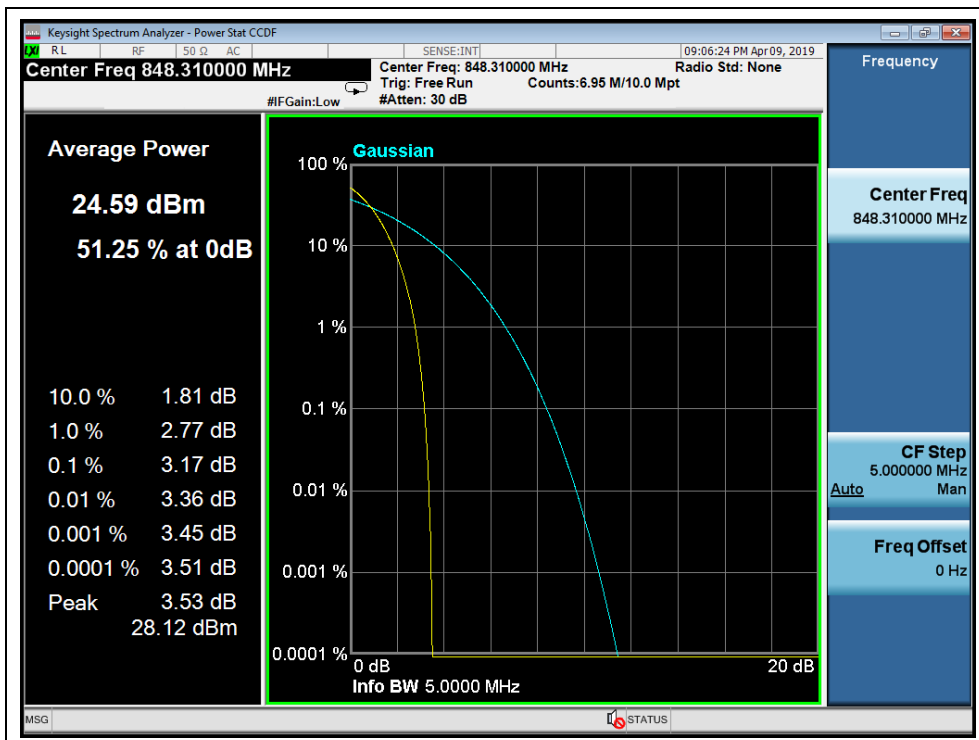
(CDMA BC0, Channel = 777)



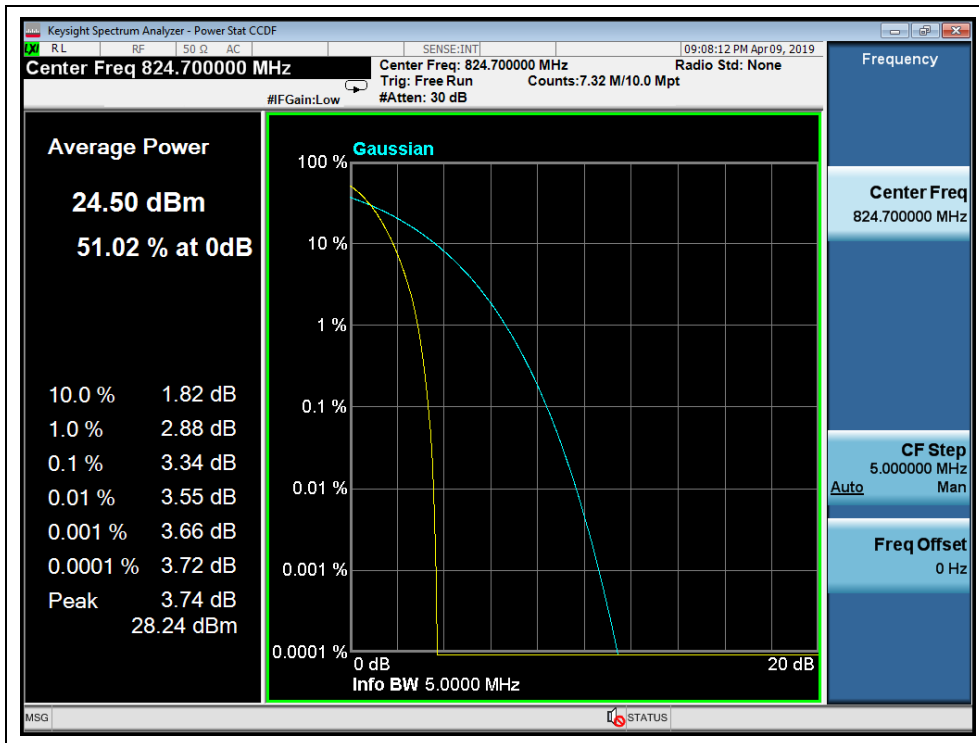
(1XEVD0 Rev 0 BC0, Channel = 1013)



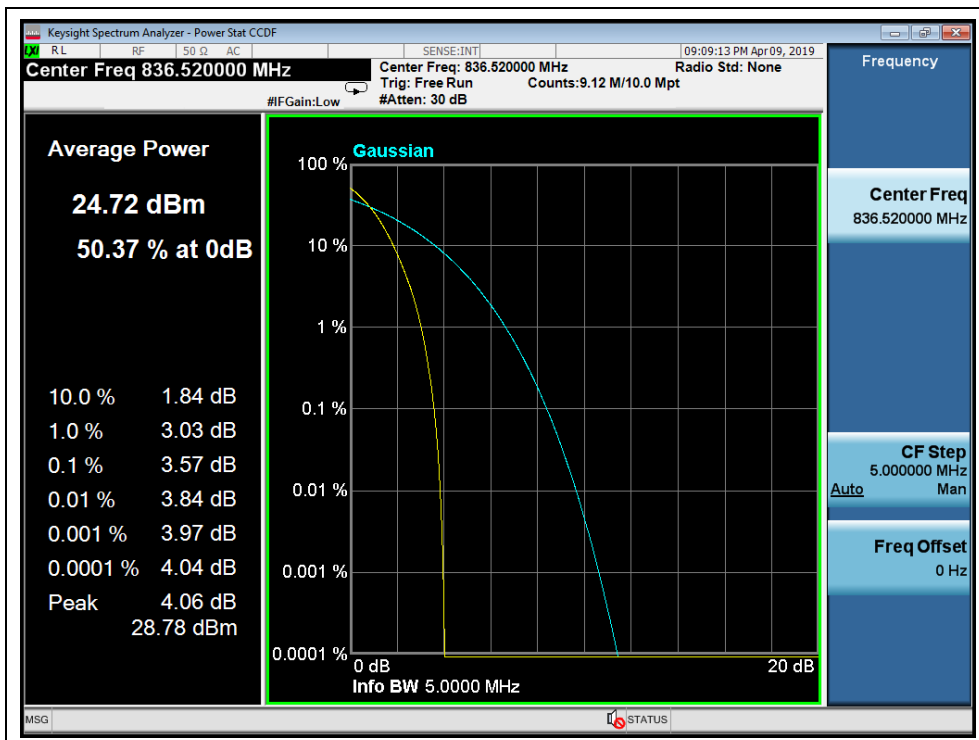
(1XEVD0 Rev 0 BC0, Channel = 384)



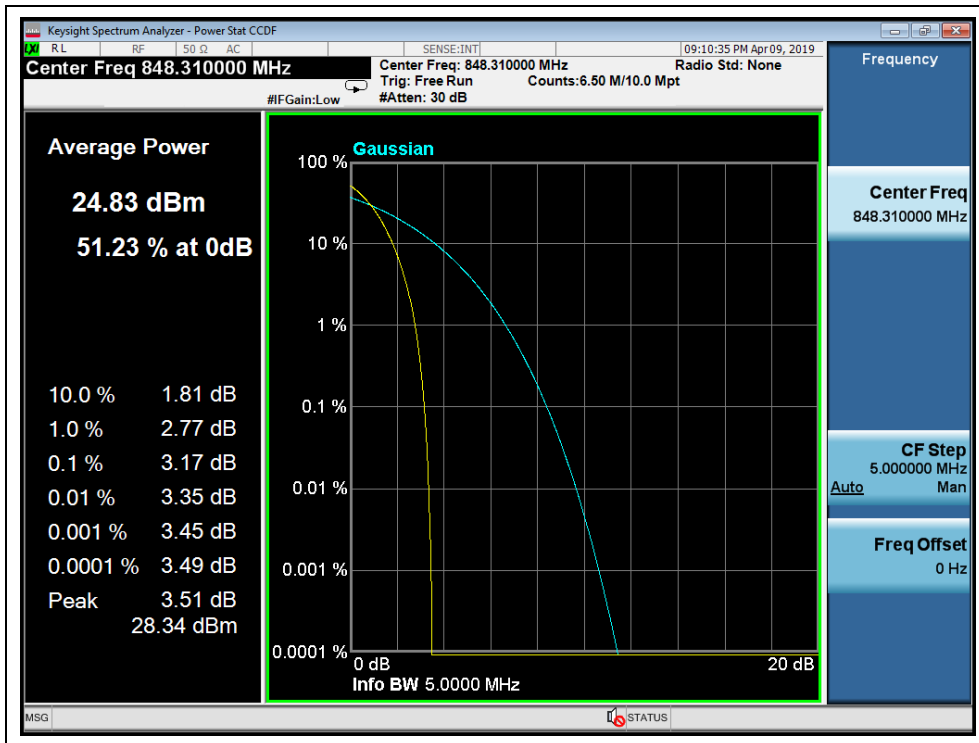
(1XEVD0 Rev 0 BC0, Channel = 777)



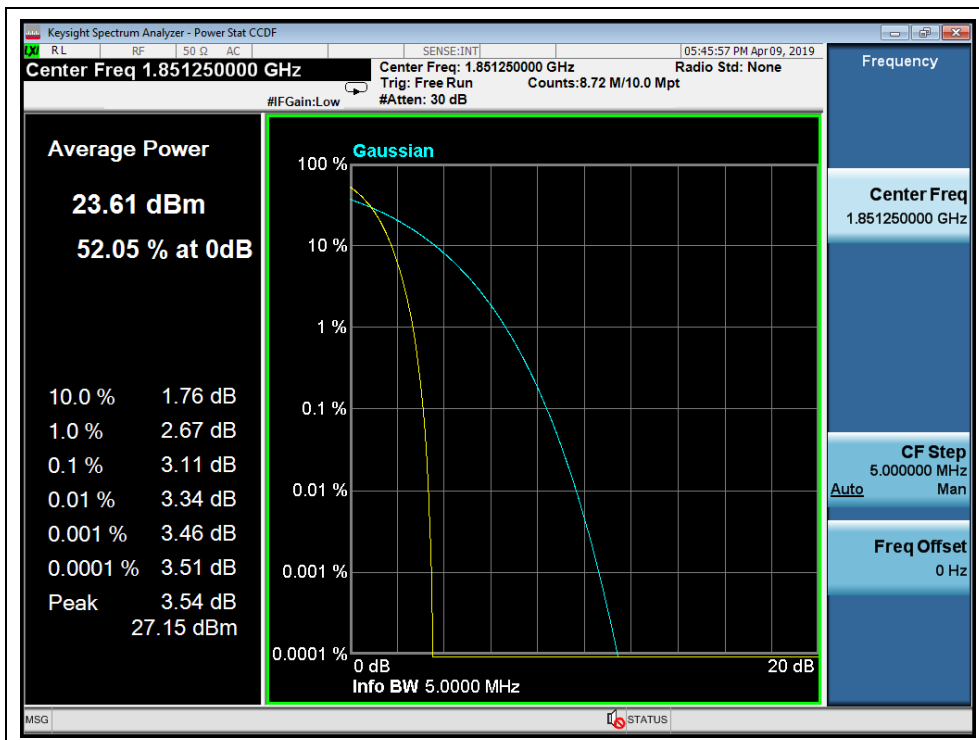
(1XEVD0 Rev A BC0, Channel = 1013)



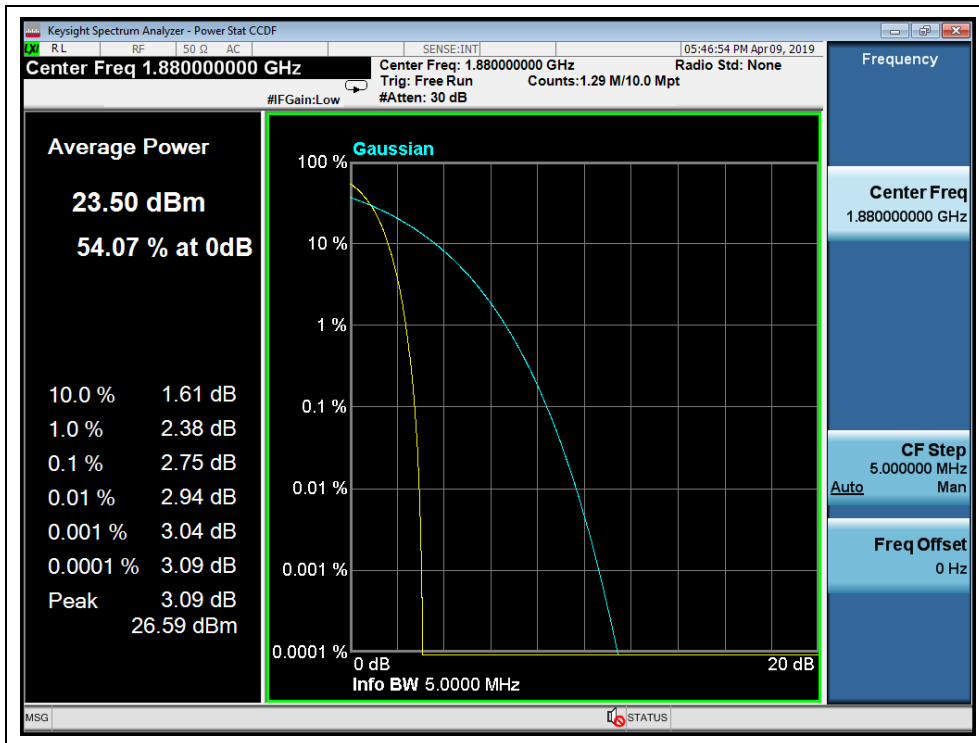
(1XEVD0 Rev A BC0, Channel = 384)



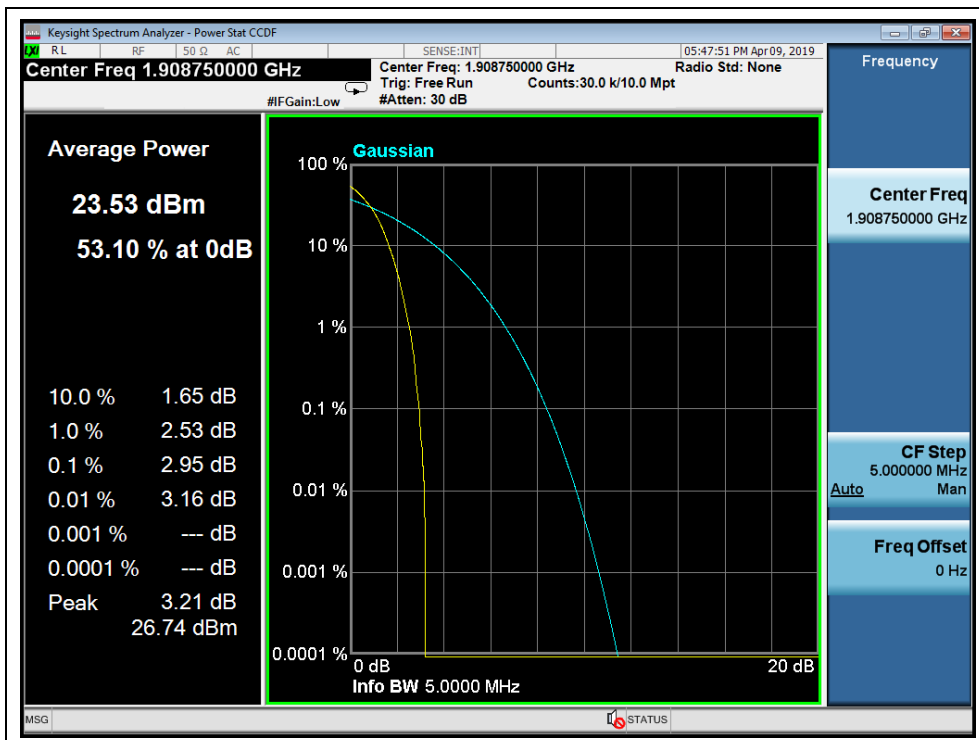
(1xEVDO Rev A BC0, Channel = 777)



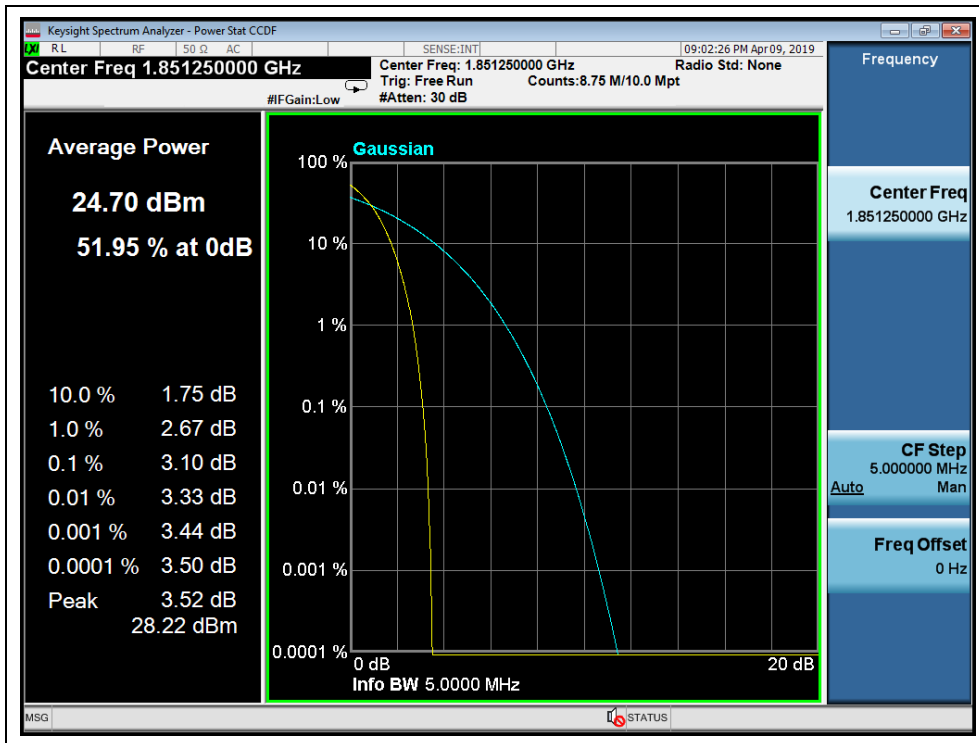
(CDMA BC1, Channel = 25)



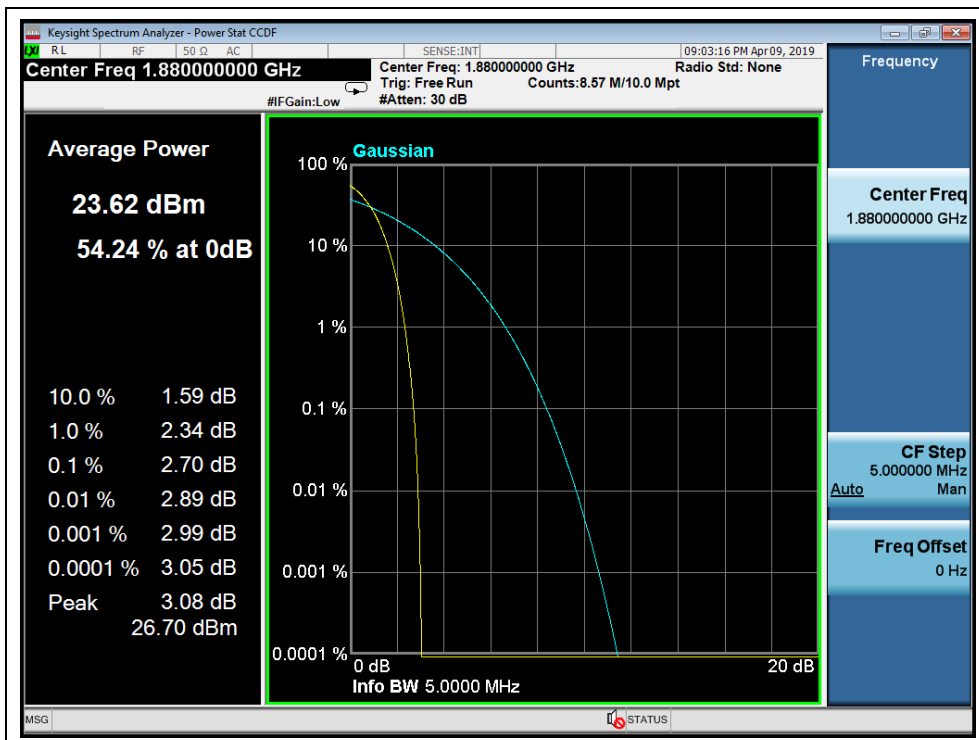
(CDMA BC1, Channel = 600)



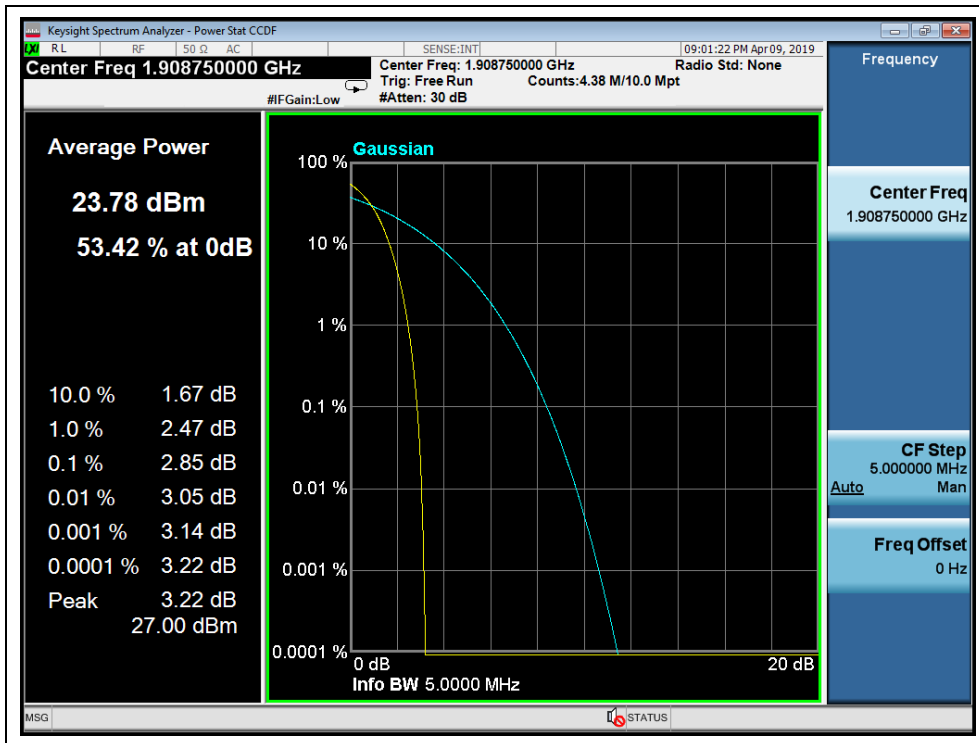
(CDMA BC1, Channel = 1175)



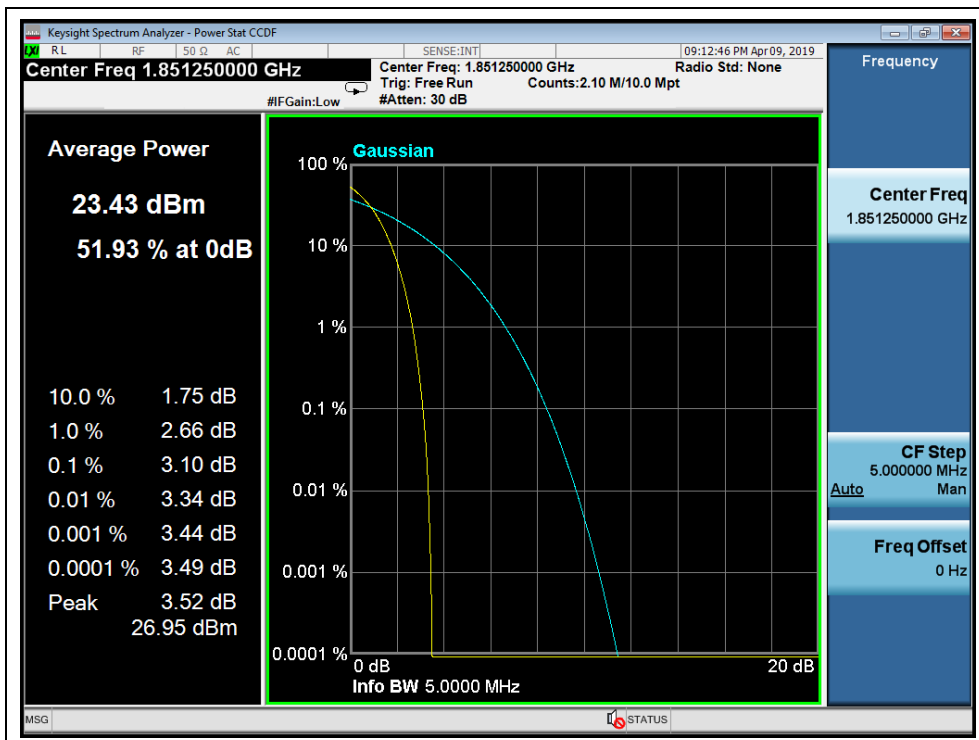
(1XEVD0 Rev 0 BC1, Channel = 25)



(1XEVD0 Rev 0 BC1, Channel = 600)

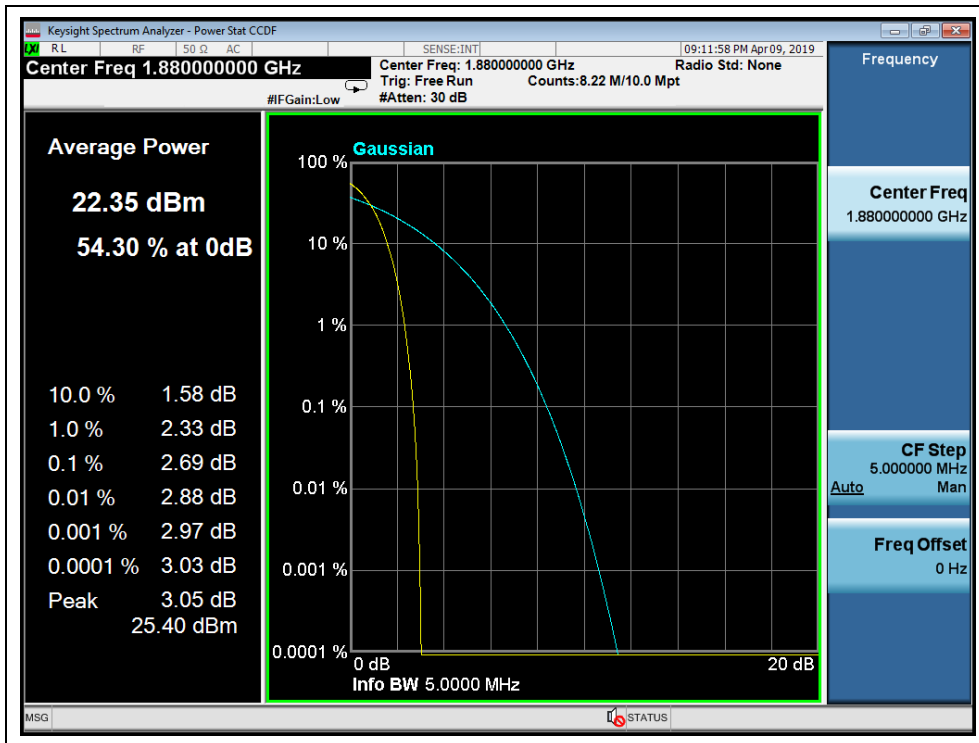


(1XEVD0 Rev 0 BC1, Channel = 1175)

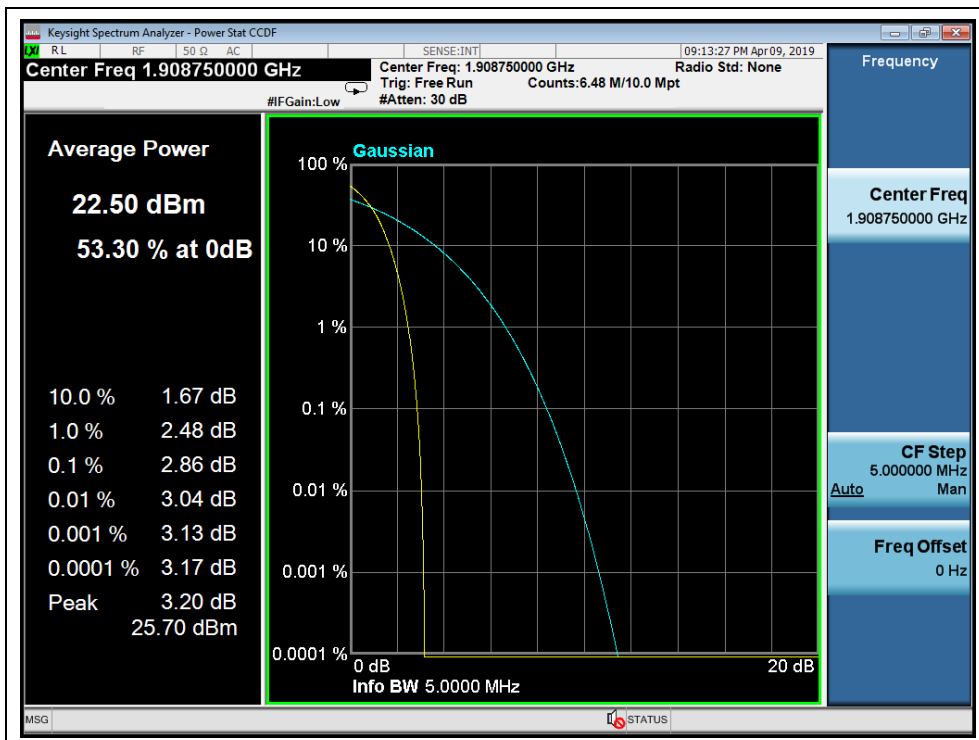


(1XEVD0 Rev A BC1, Channel = 25)





(1XEVD0 Rev A BC1, Channel = 600)



(1XEVD0 Rev A BC1, Channel = 1175)

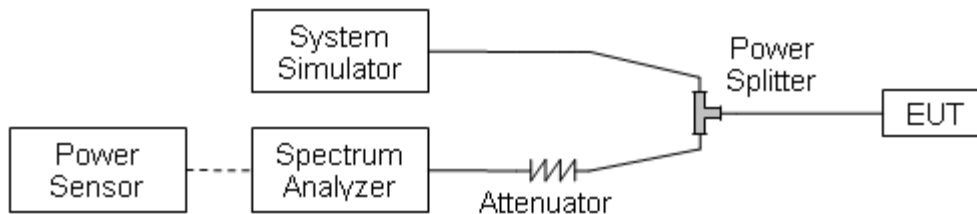
## 2.5. Conducted Spurious Emissions

### 2.5.1. Requirement

According to FCC section 22.917(a), 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.

According to FCC section 24.238(a), 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.

### 2.5.2. Test Description



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. A call is established between the EUT and the SS.

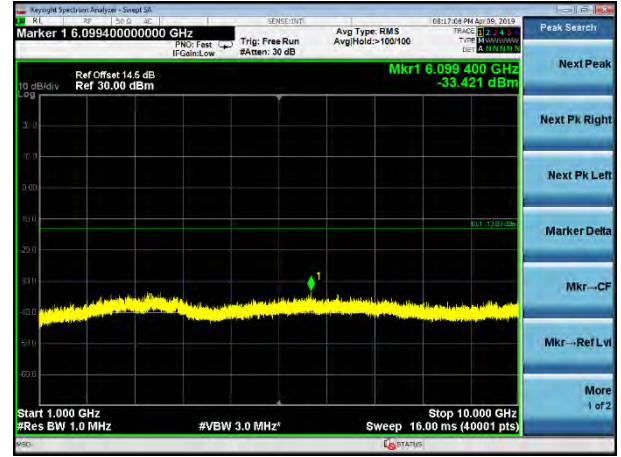
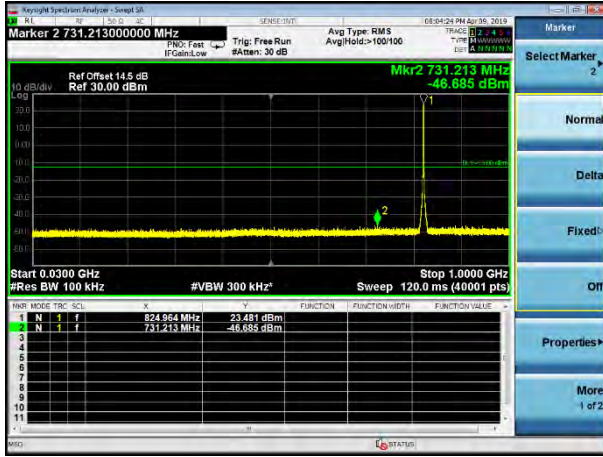
### 2.5.3. Test procedure

KDB971168 D01 v03r01 Section 6.0 and ANSI/TIA-603-E-2016.

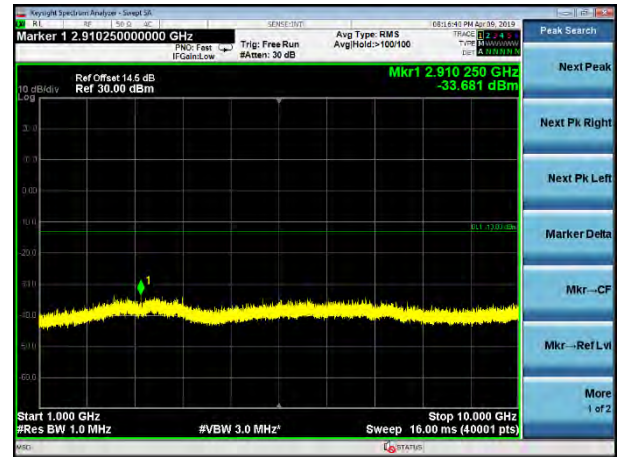
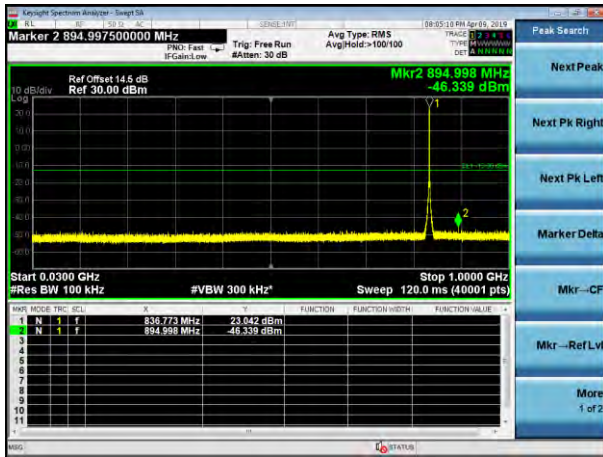


2.5.4. Test Result

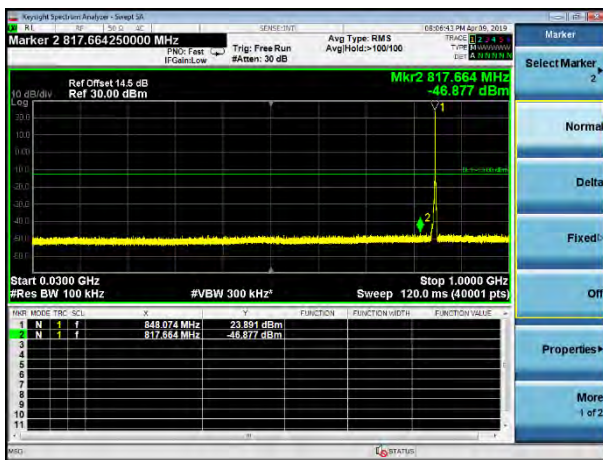
CDMA BC0, Channel=1013



CDMA BC0, Channel=384

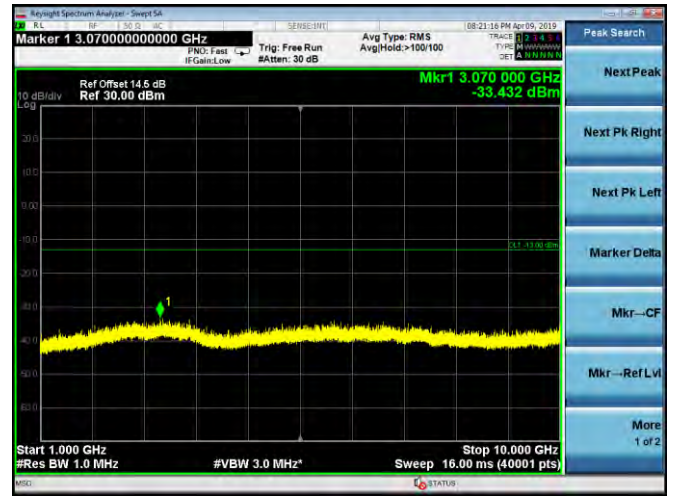
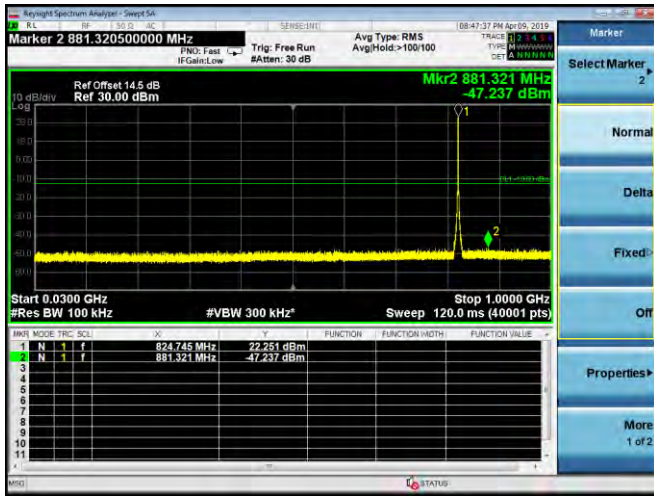


CDMA BC0, Channel=777

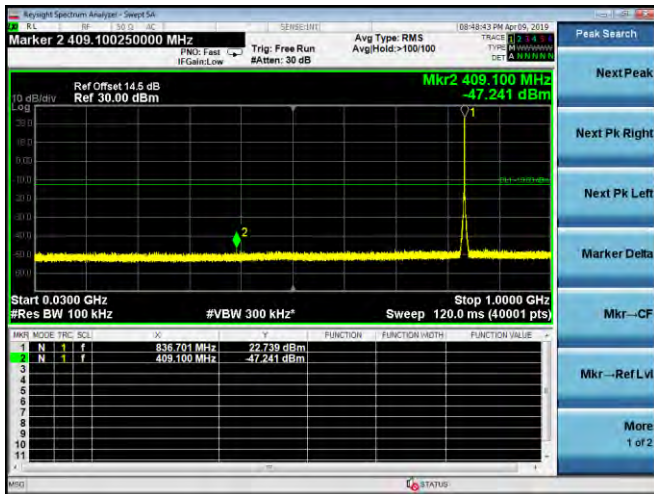




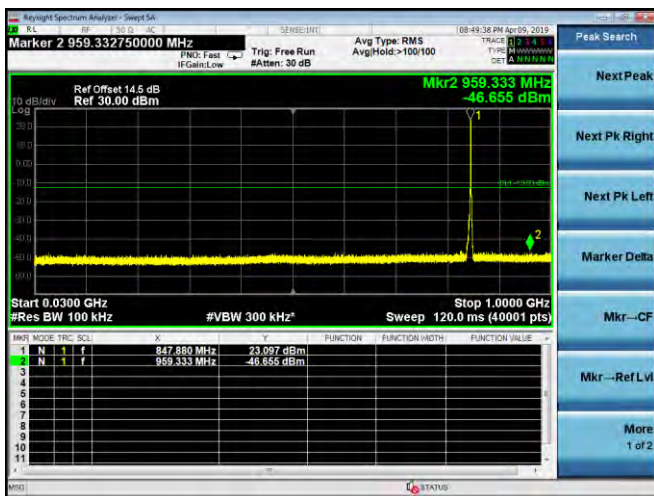
1XEVD0 Rev 0 BC0, Channel=1013



1XEVD0 Rev 0 BC0, Channel=384

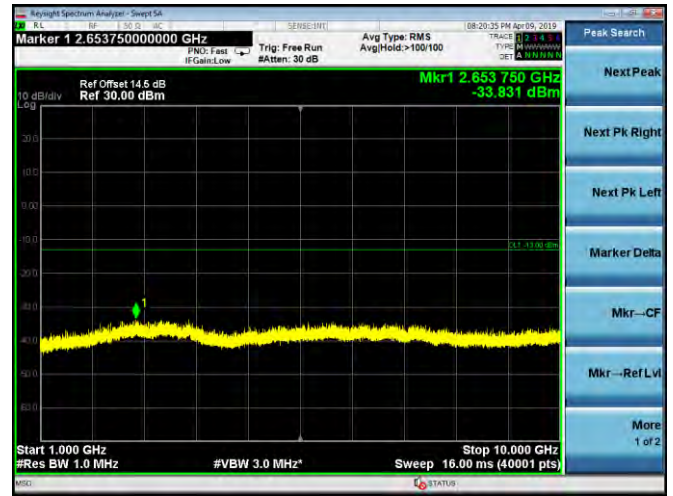
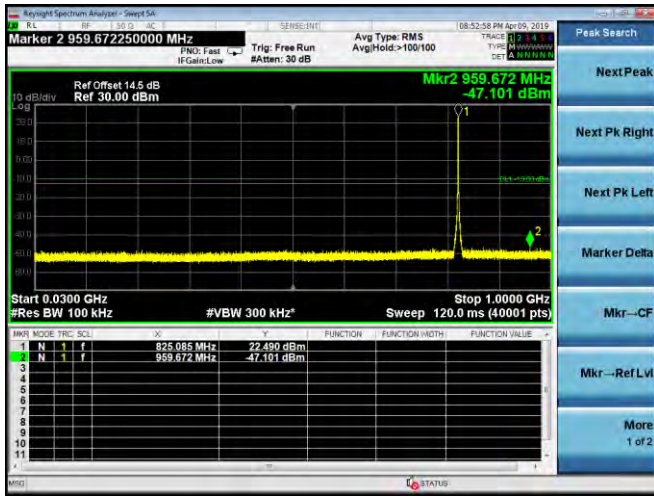


1XEVD0 Rev 0 BC0, Channel=777

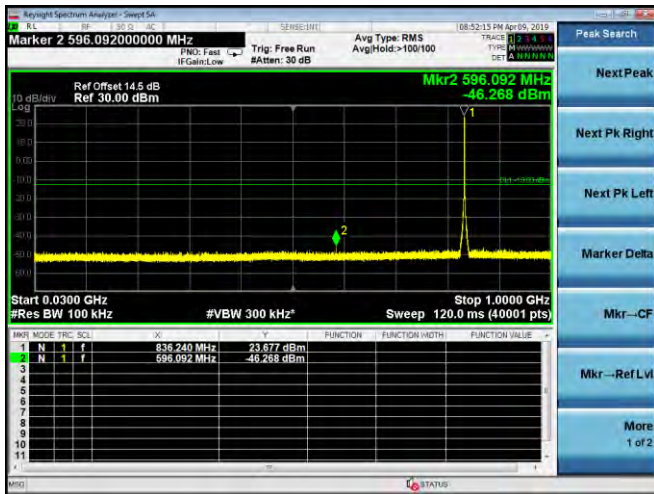




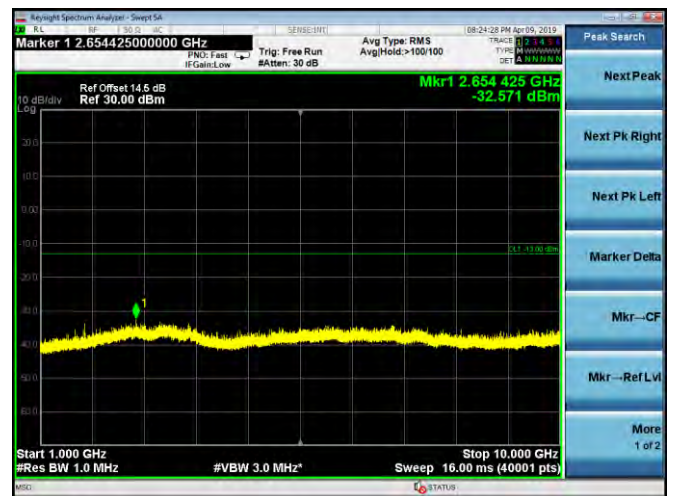
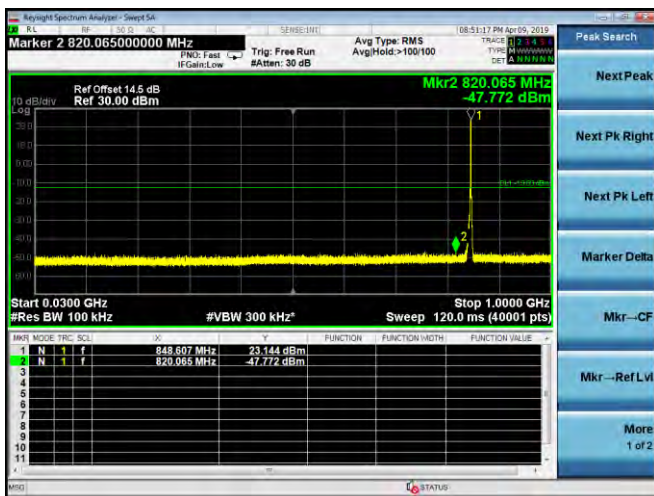
1XEVD0 Rev A BC0, Channel=1013



1XEVD0 Rev A BC0, Channel=384

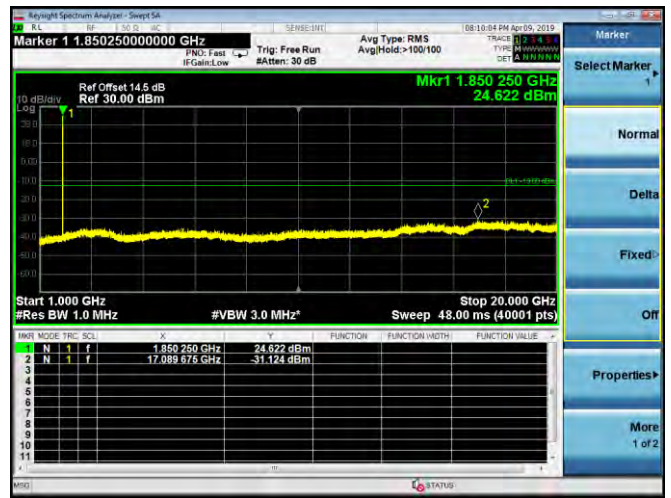
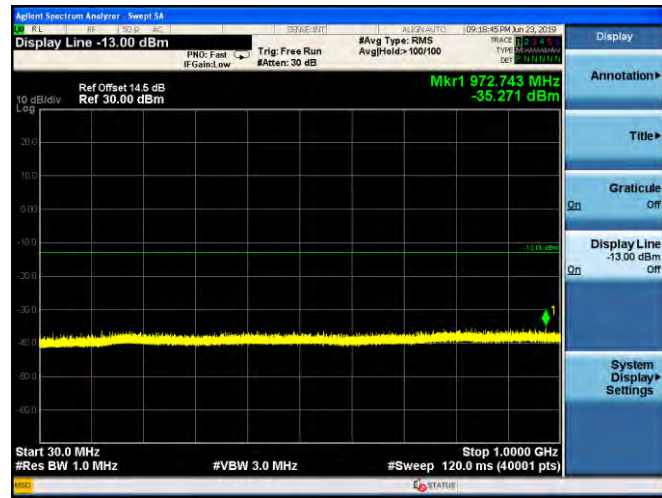


1XEVD0 Rev A BC0, Channel=777

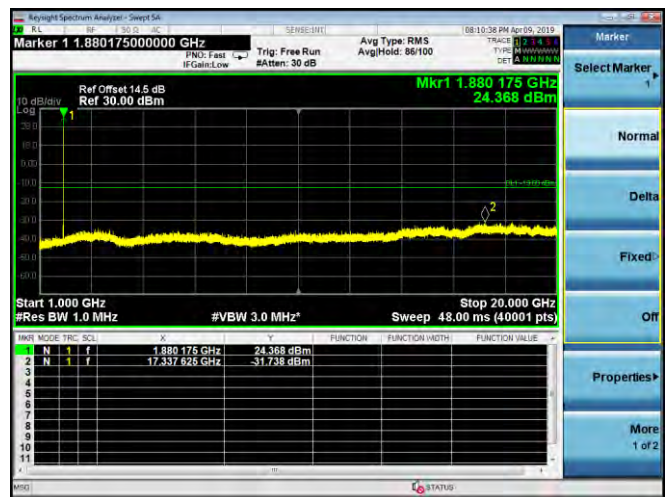
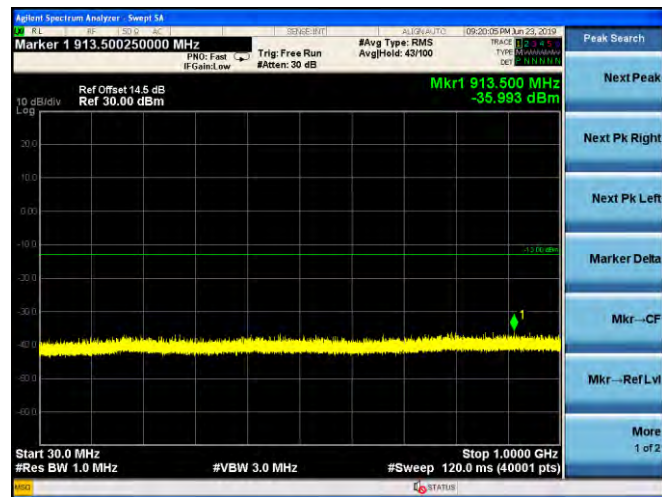




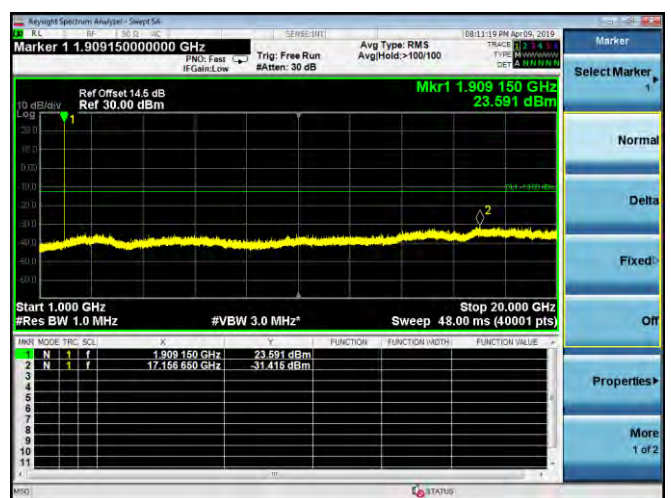
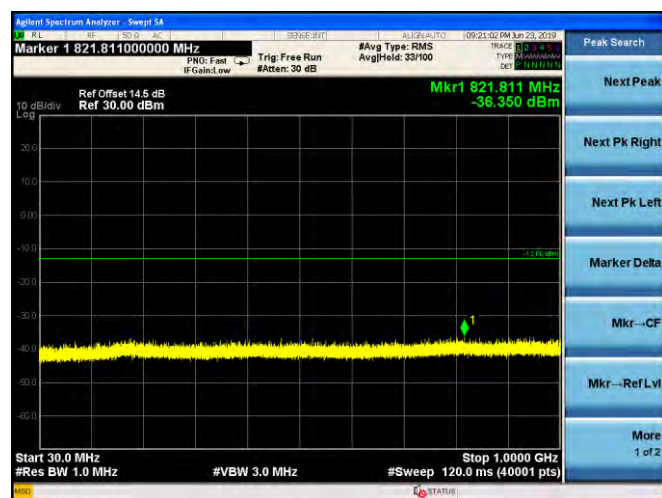
CDMA BC1, Channel=25



CDMA BC1, Channel=600

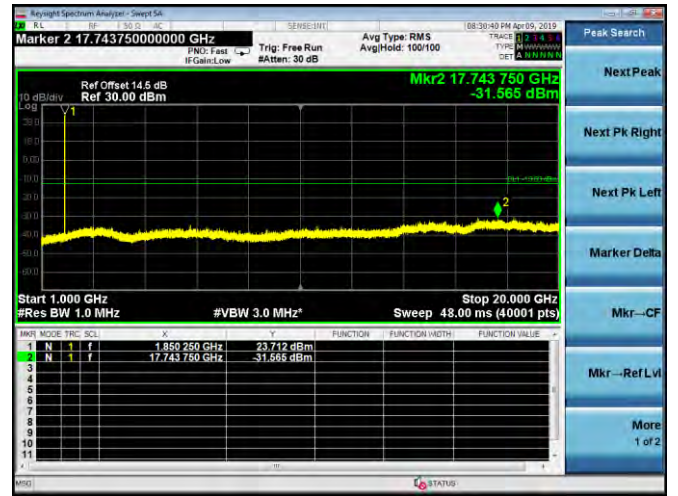
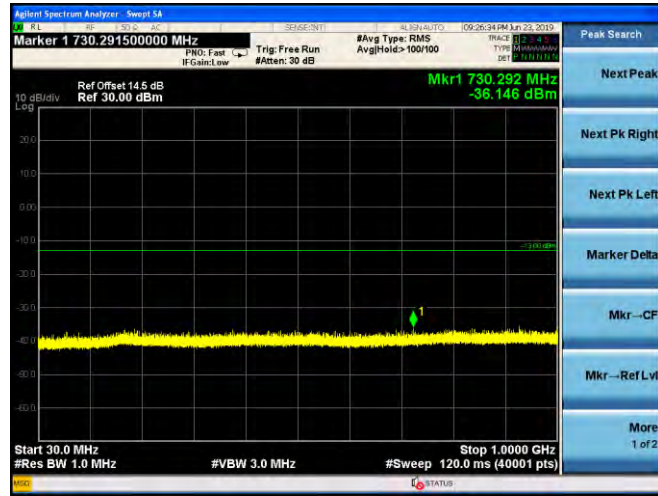


CDMA BC1, Channel=1175

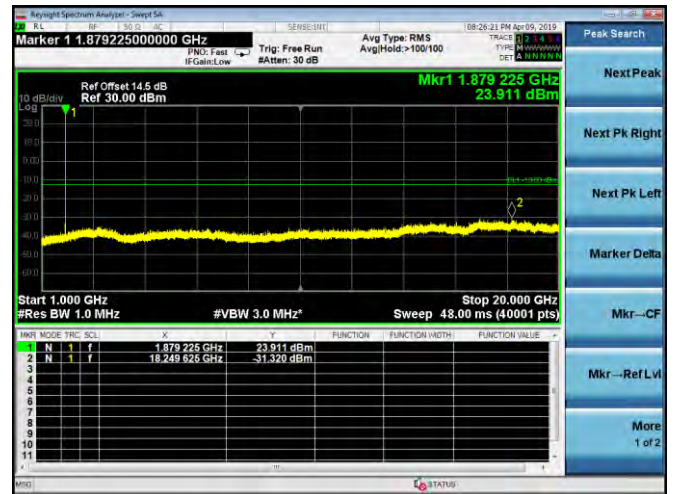
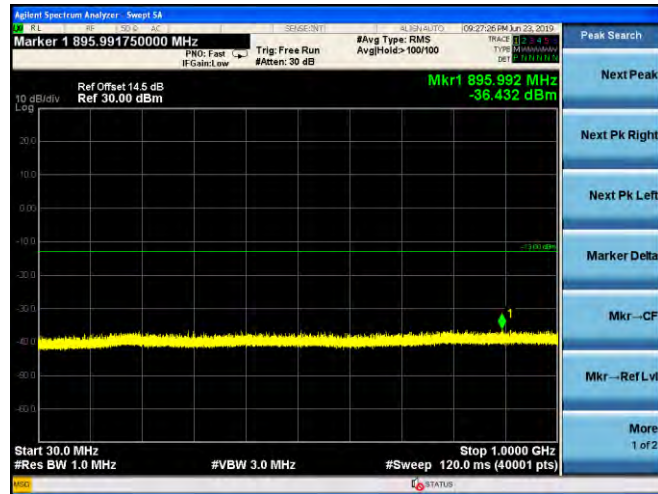




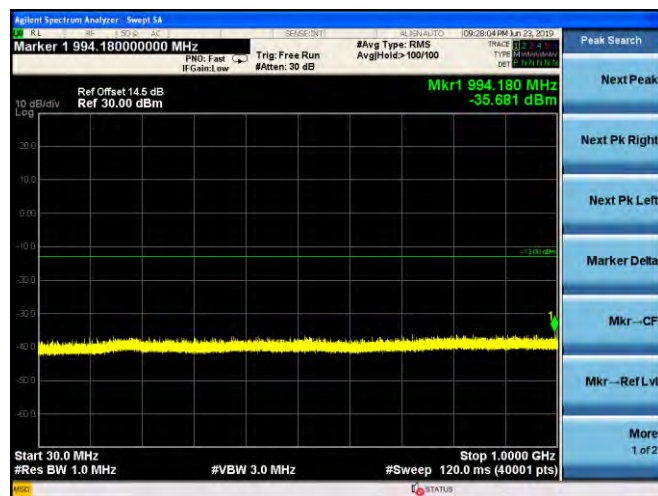
1XEVD0 Rev 0 BC1, Channel=25



1XEVD0 Rev 0 BC1, Channel=600

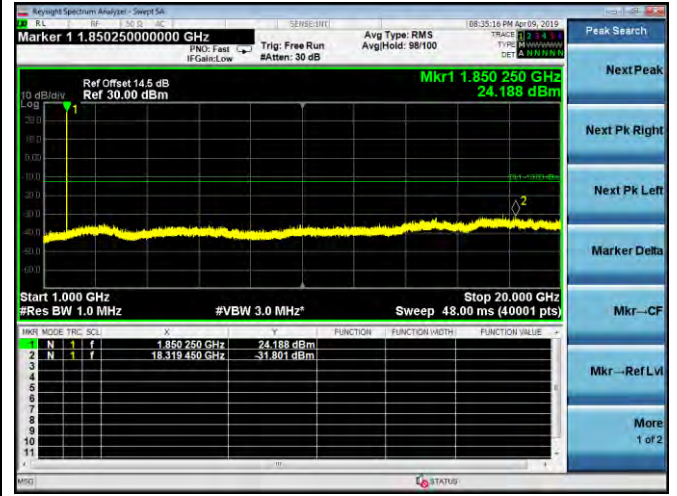
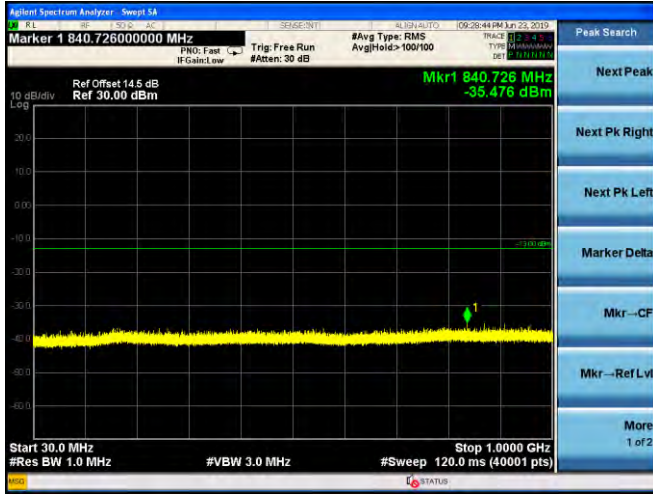


1XEVD0 Rev 0 BC1, Channel=1175

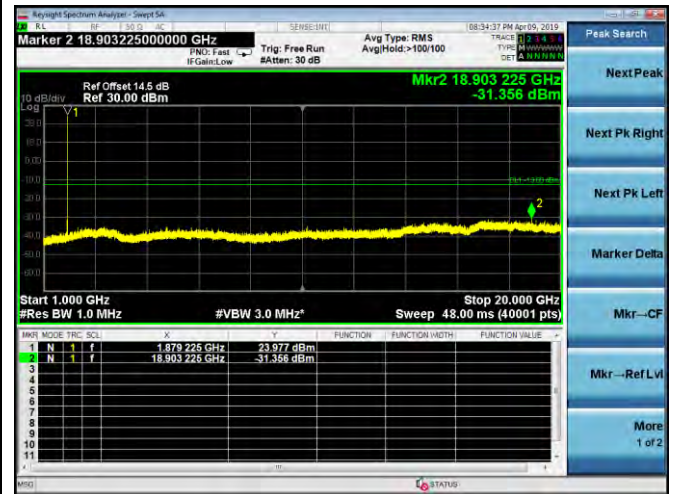
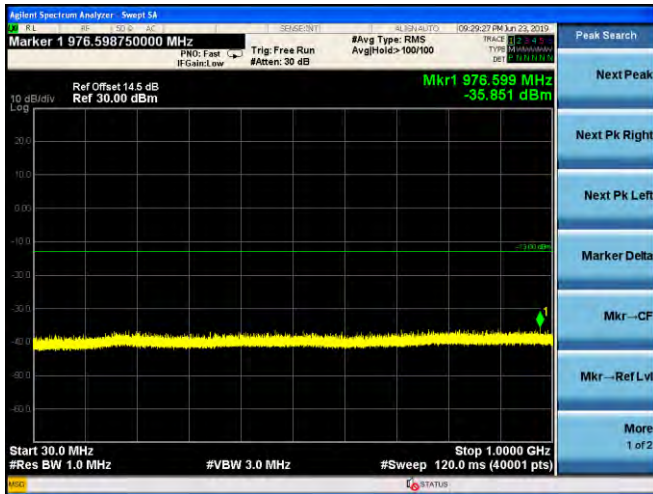




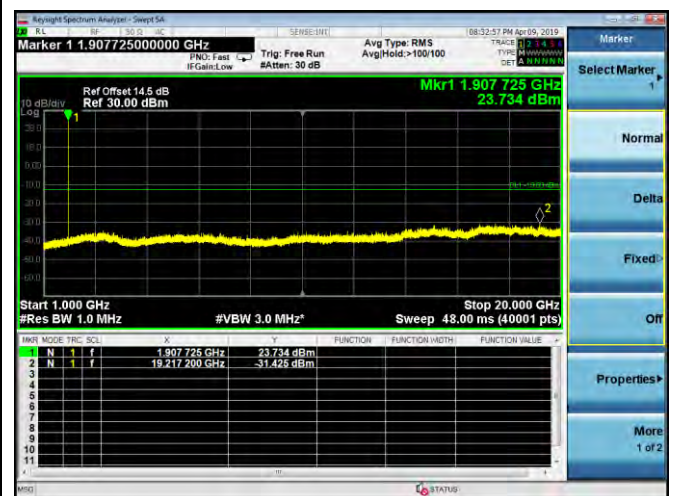
1XEVD0 Rev A BC1, Channel=25



1XEVD0 Rev A BC1, Channel=600



1XEVD0 Rev A BC1, Channel=1175





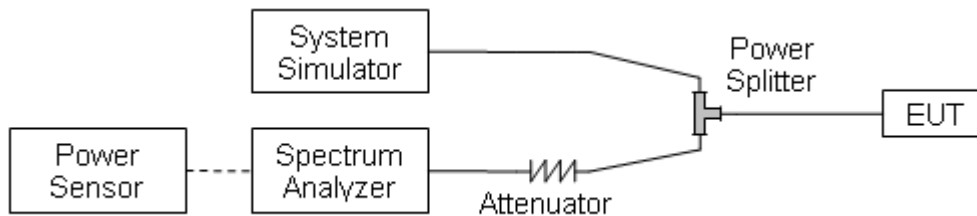
## 2.6. Band Edge

### 2.6.1. Requirement

According to FCC section 22.917(a), 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.

According to FCC section 24.238(a), 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.

### 2.6.2. Test Description



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. A call is established between the EUT and the SS.

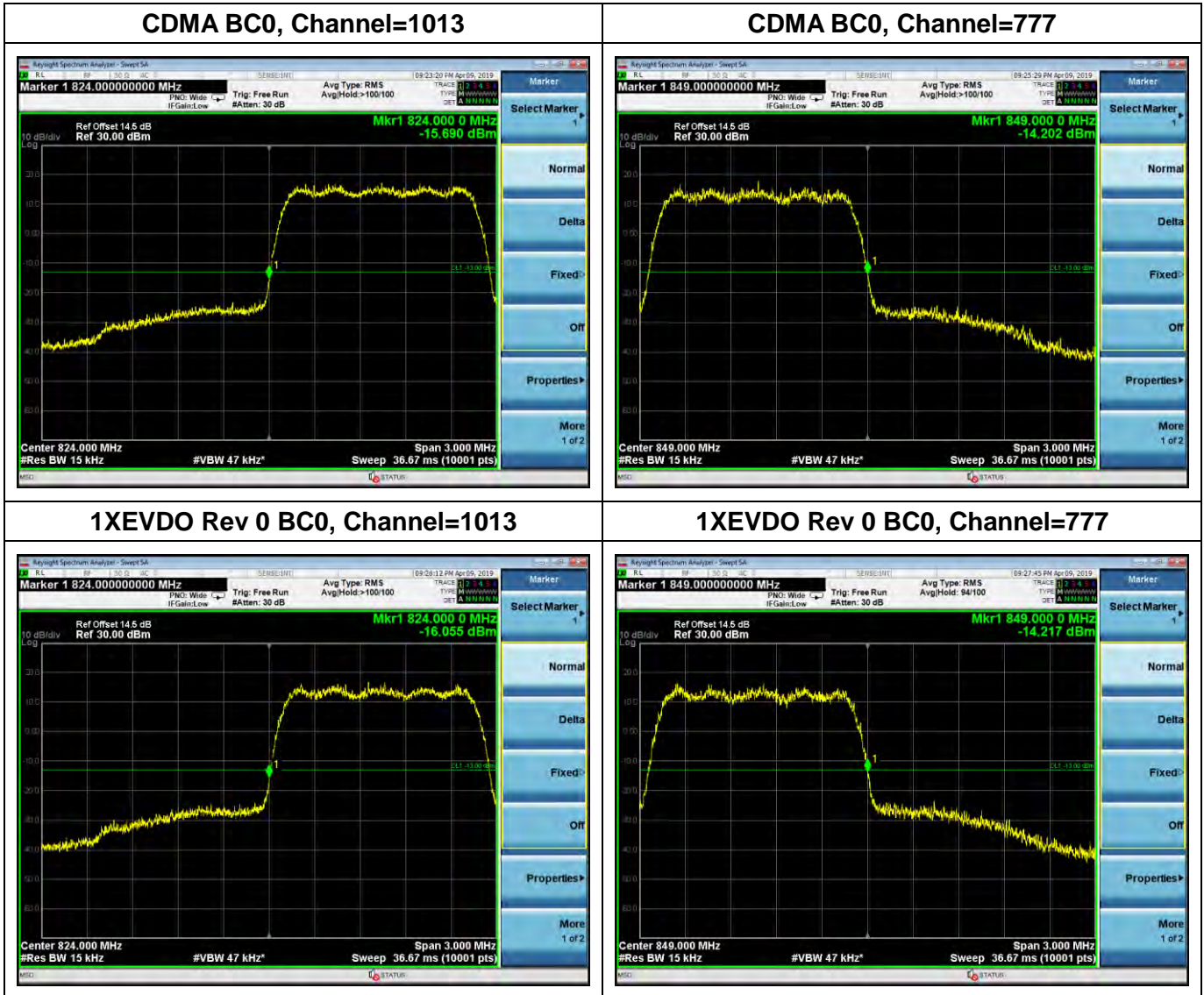
### 2.6.3. Test procedure

KDB971168 D01 v03r01 Section 6.0 and ANSI/TIA-603-E-2016.



### 2.6.4. Test Result

The center frequency of spectrum is the band edge frequency and span is 2MHz, Record the max trace into the test report.

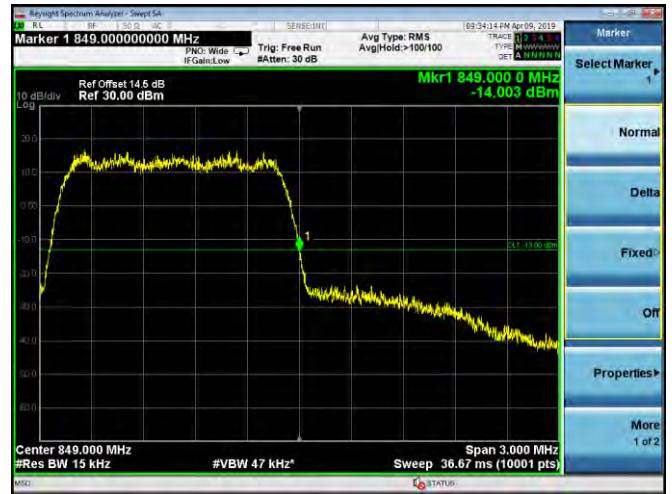




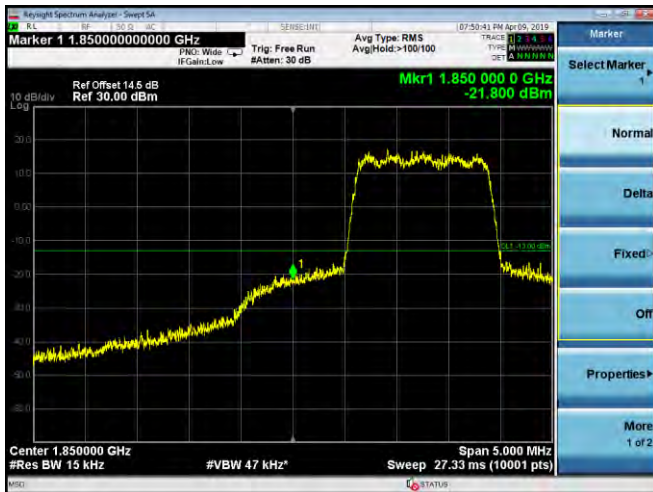
1XEVD0 Rev A BC0, Channel=1013



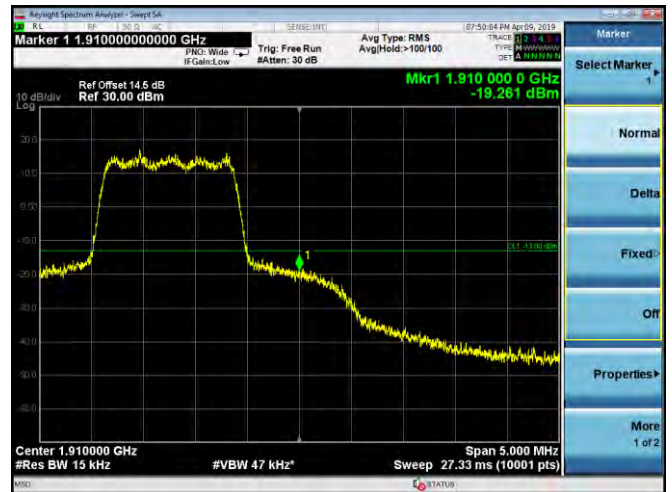
1XEVD0 Rev A BC0, Channel=777



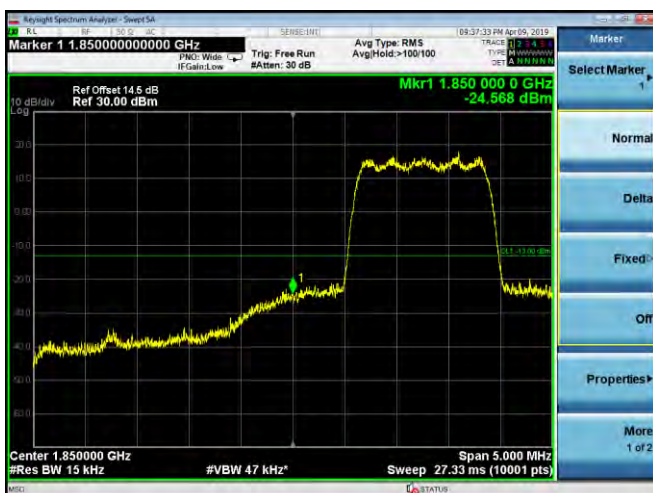
CDMA BC1, Channel=25



CDMA BC1, Channel=1175



1XEVD0 Rev 0 BC1, Channel=25

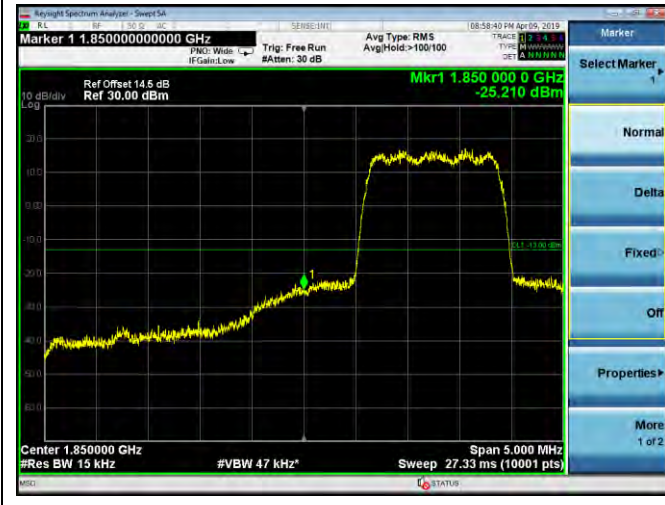


1XEVD0 Rev 0 BC1, Channel=1175





1XEVD0 Rev A BC1, Channel=25



1XEVD0 Rev A BC1, Channel=1175



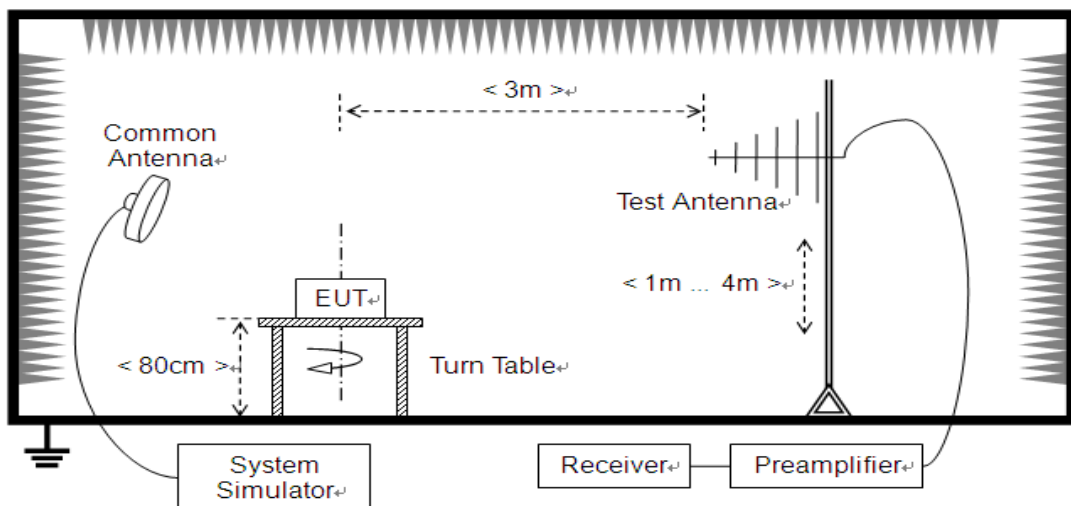
## 2.7. Transmitter Radiated Power (EIRP/ERP)

### 2.7.1. Requirement

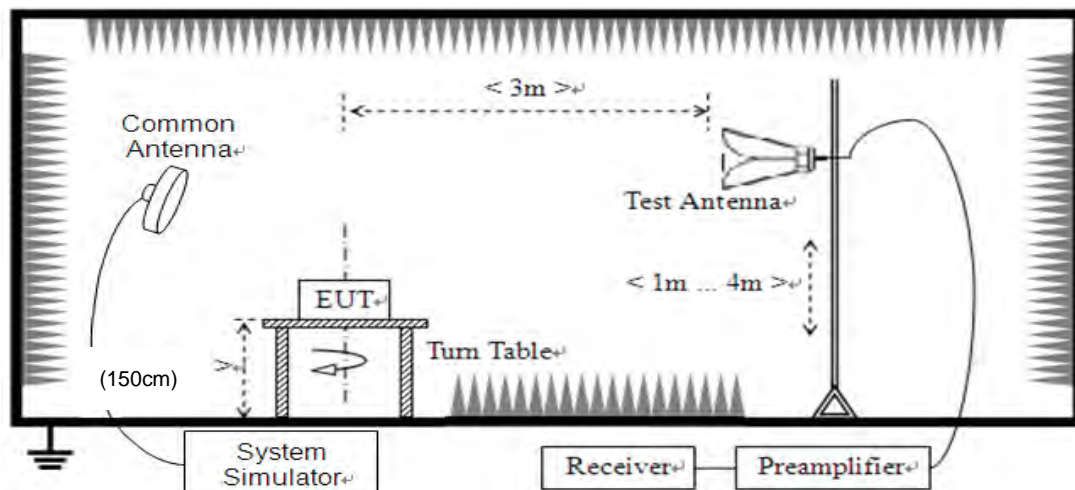
According to FCC section 22.913, the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

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

### 2.7.2. Test Description



(For the test frequency from 30MHz to1GHz)



(For the test frequency above 1GHz)



The testing follows FCC KDB 971168 v03r01 and ANSI/TIA-603-E (2016).

- a) Connect the equipment as illustrated. Mount the equipment with the manufacturer specified antenna in a vertical orientation on a manufacturer specified mounting surface located on a 3m Full-Anechoic Chamber.
- b) Key the transmitter, then rotate the EUT 360° azimuthally and record spectrum analyzer power level (LVL) measurements at angular increments that are sufficiently small to permit resolution of all peaks. If a standard radiation test site is used, raise and lower the test antenna to obtain a maximum reading at each angular increment. (Note: several batteries may be needed to offset the effect of battery voltage droop, which should not exceed 5% of the manufactured specified battery voltage during transmission).
- c) Replace the transmitter under test with a vertically polarized half-wave dipole (or an antenna whose gain is known relative to an ideal half-wave dipole). The center of the antenna should be at the same location as the center of the antenna under test.
- d) Connect the antenna to a signal generator with a known output power and record the path loss (in dB) as LOSS. If a standard radiation test site is used, raise and lower the test antenna to obtain a maximum reading.  $LOSS = \text{Generator Output Power (dBm)} - \text{Analyzer reading (dBm)}$
- e) Determine the effective radiated output power at each angular position from the readings in steps b) and d) using the following equation:  
 $ERP \text{ (dBm)} = LVL \text{ (dBm)} + LOSS \text{ (dB)}$
- f) The maximum ERP is the maximum value determined in the preceding step.
- g) When calculating ERP, in addition to knowing the antenna radiation and matching characteristics, it is necessary to know the loss values of all elements (e.g. transmission line attenuation, mismatches, filters, combiners) interposed between the point where transmitter output power is measured, and the point where power is applied to the antenna. ERP can then be calculated as follows:  
 $EIRP \text{ (dBm)} = \text{Output Power (dBm)} - \text{Losses (dB)} + \text{Antenna Gain (dBd)}$   
where: dBd refers to gain relative to an ideal dipole.  
 $EIRP \text{ (dBm)} = ERP \text{ (dBm)} + 2.15 \text{ (dB.)}$



**2.7.3. 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

**Note:** Both horizontal and vertical polarizations of the test antenna are evaluated respectively, only the worst data (horizontal) were recorded in this report.

Band	Channel	Frequency (MHz)	Measured ERP		Limit		Verdict
			dBm	W	dBm	W	
CDMA (BC0)	1013	824.70	19.18	0.083	38.5	7	PASS
	384	836.52	19.27	0.084			PASS
	777	848.31	19.40	0.087			PASS
EVDO 0 (BC0)	1013	824.70	17.88	0.061	38.5	7	PASS
	384	836.52	17.45	0.056			PASS
	777	848.31	17.71	0.059			PASS
EVDO A (BC0)	1013	824.70	17.63	0.058	38.5	7	PASS
	384	836.52	17.45	0.056			PASS
	777	848.31	17.39	0.055			PASS



Band	Channel	Frequency (MHz)	Measured EIRP		Limit		Verdict
			dBm	W	dBm	W	
CDMA (BC1)	25	1851.25	20.98	0.125	33	2	PASS
	600	1880	20.71	0.118			PASS
	1175	1908.75	20.82	0.121			PASS
1XEVDO Rev 0 (BC1)	25	1851.25	19.11	0.081	33	2	PASS
	600	1880	19.07	0.081			PASS
	1175	1908.75	19.29	0.085			PASS
1XEVDO Rev A (BC1)	25	1851.25	19.98	0.079	33	2	PASS
	600	1880	19.36	0.086			PASS
	1175	1908.75	19.54	0.090			PASS



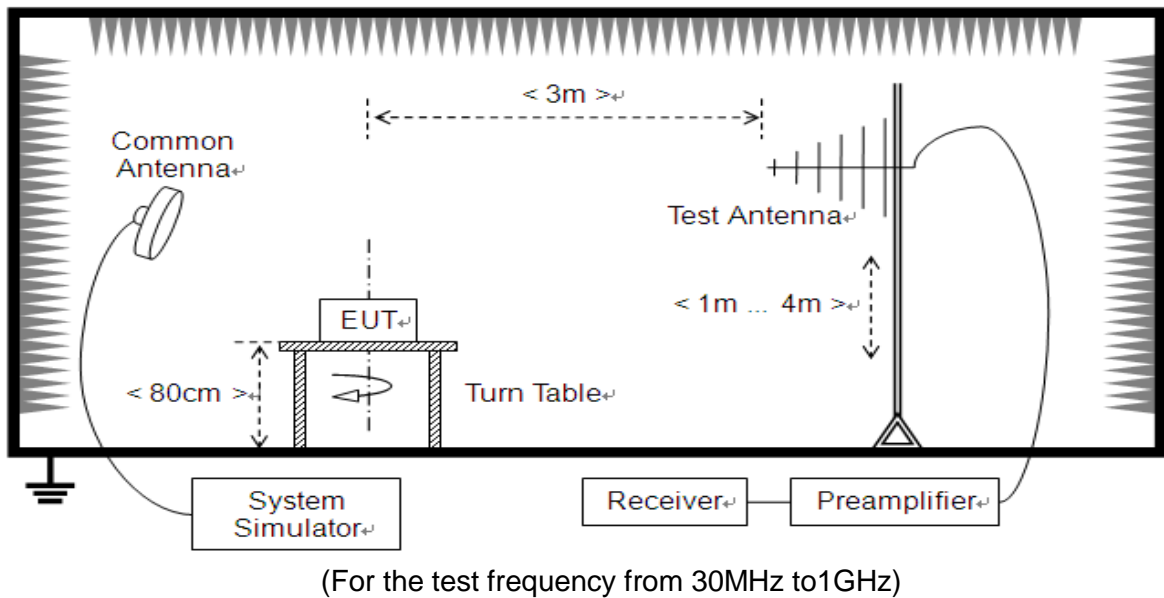
## 2.8. Radiated Spurious Emissions

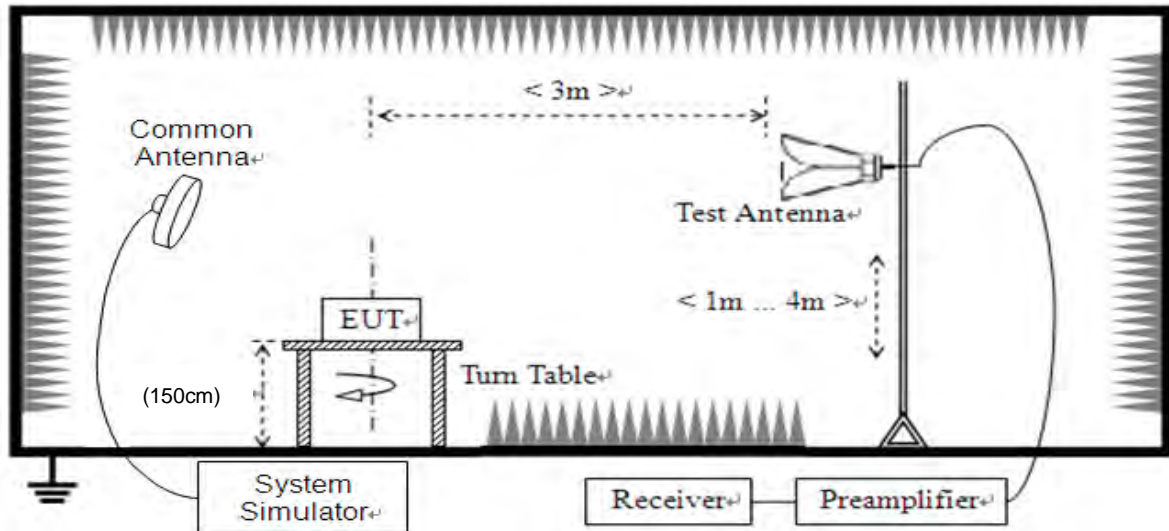
### 2.8.1. Requirement

According to FCC section 22.917(a), 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.

According to FCC section 24.238(a), 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.

### 2.8.2. Test Description





(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.

The Test Antenna is a Bi-Log one (used for 30MHz to 1GHz) and a Horn one (used for above 1 GHz), it's located at the same height as the EUT. The Filters consists of Notch Filters and High Pass Filter.

For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. The table was rotated 360 degrees to determine the position of the highest radiation.

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

**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

KDB971168 D01 v03r01 Section 5.8 and ANSI/TIA-603-E-2016.



#### 2.8.4. Test Result

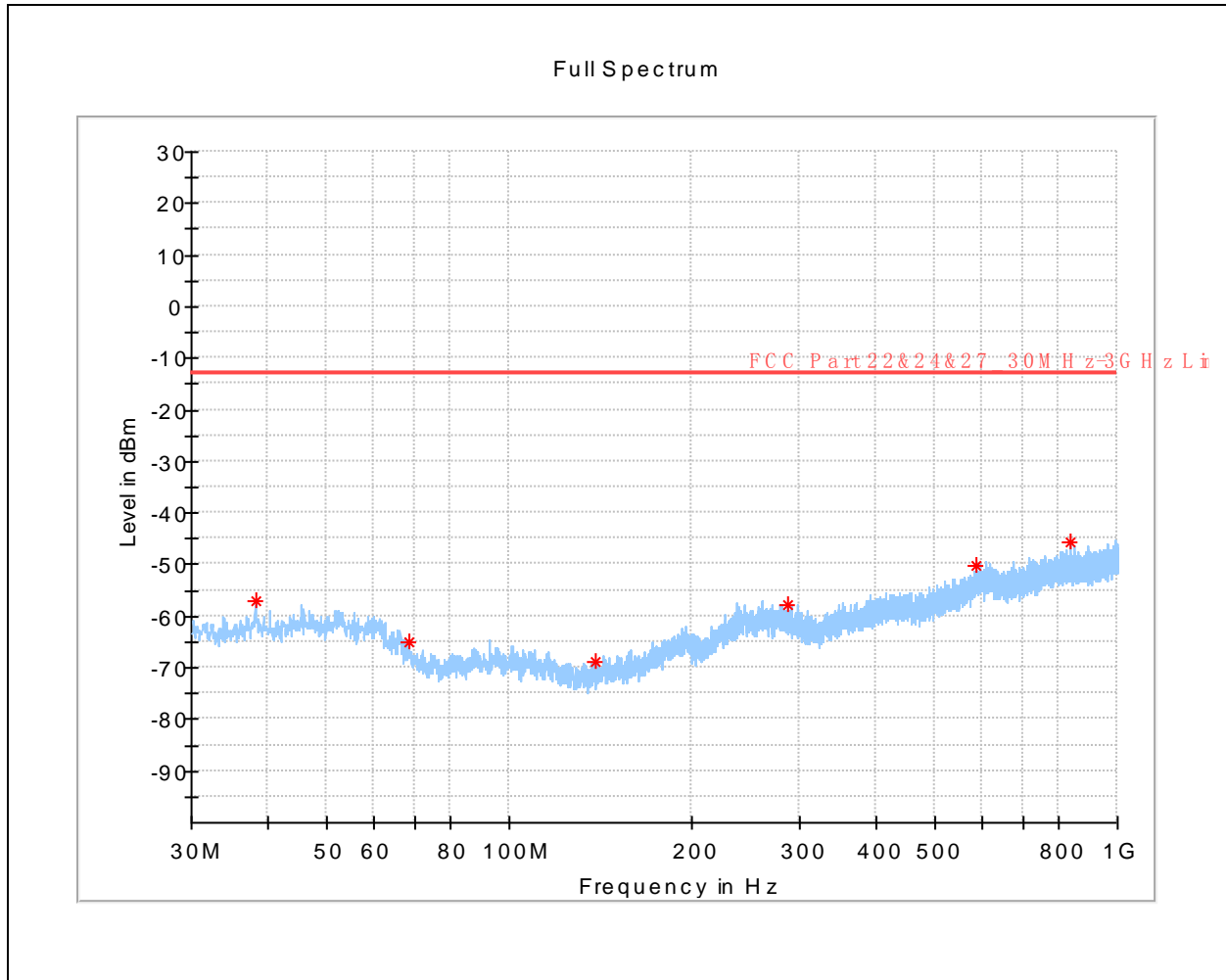
The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. Test Antenna height is varied from 1m to 4m above the ground, and the Turn Table is actuated to turn from 0° to 360°, both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

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

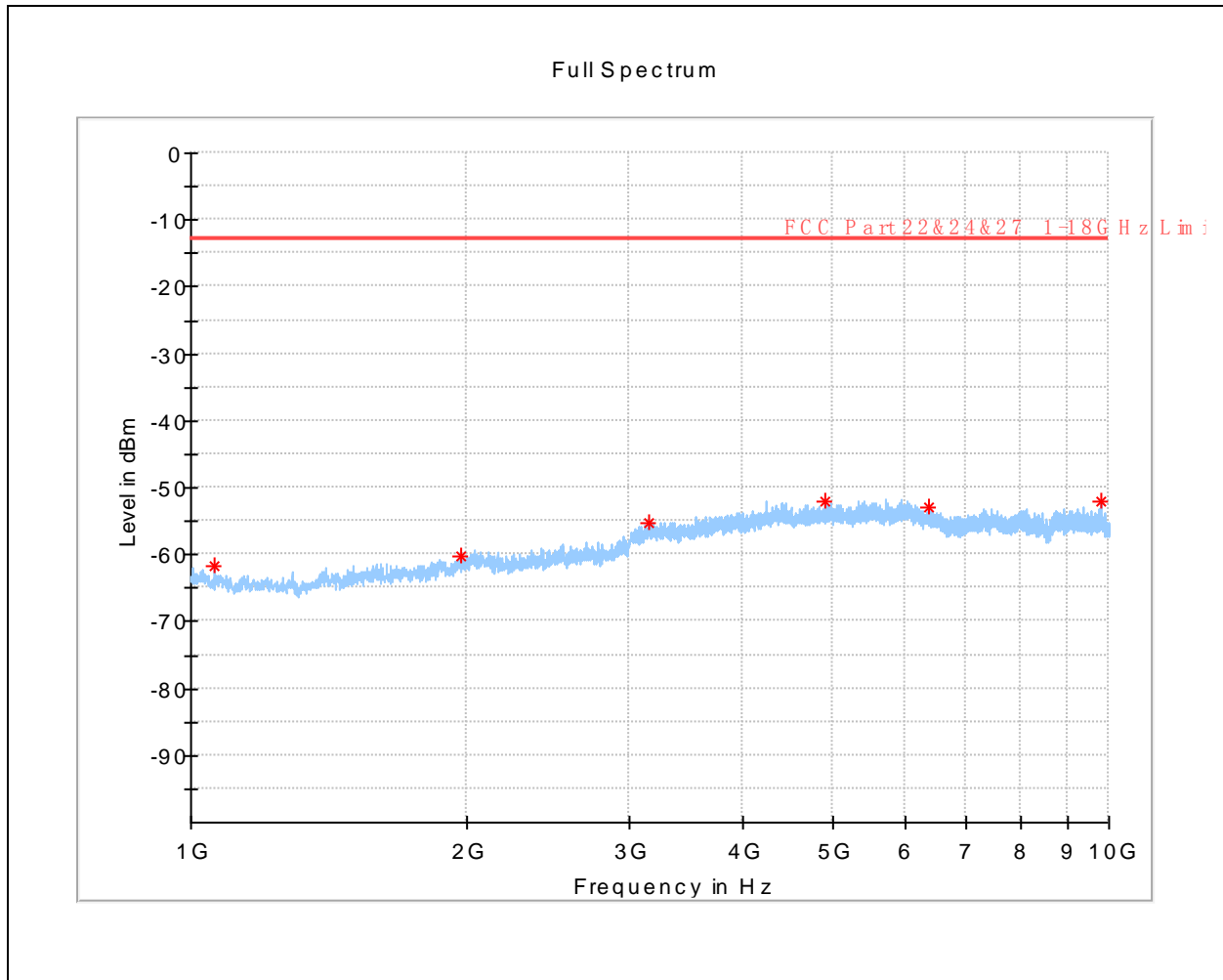
**Note2:** All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst case Y axis test condition was recorded in this test report.

**Note3: Note3:** For the frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 10dB lower than the limit was not recorded.

Test Plots

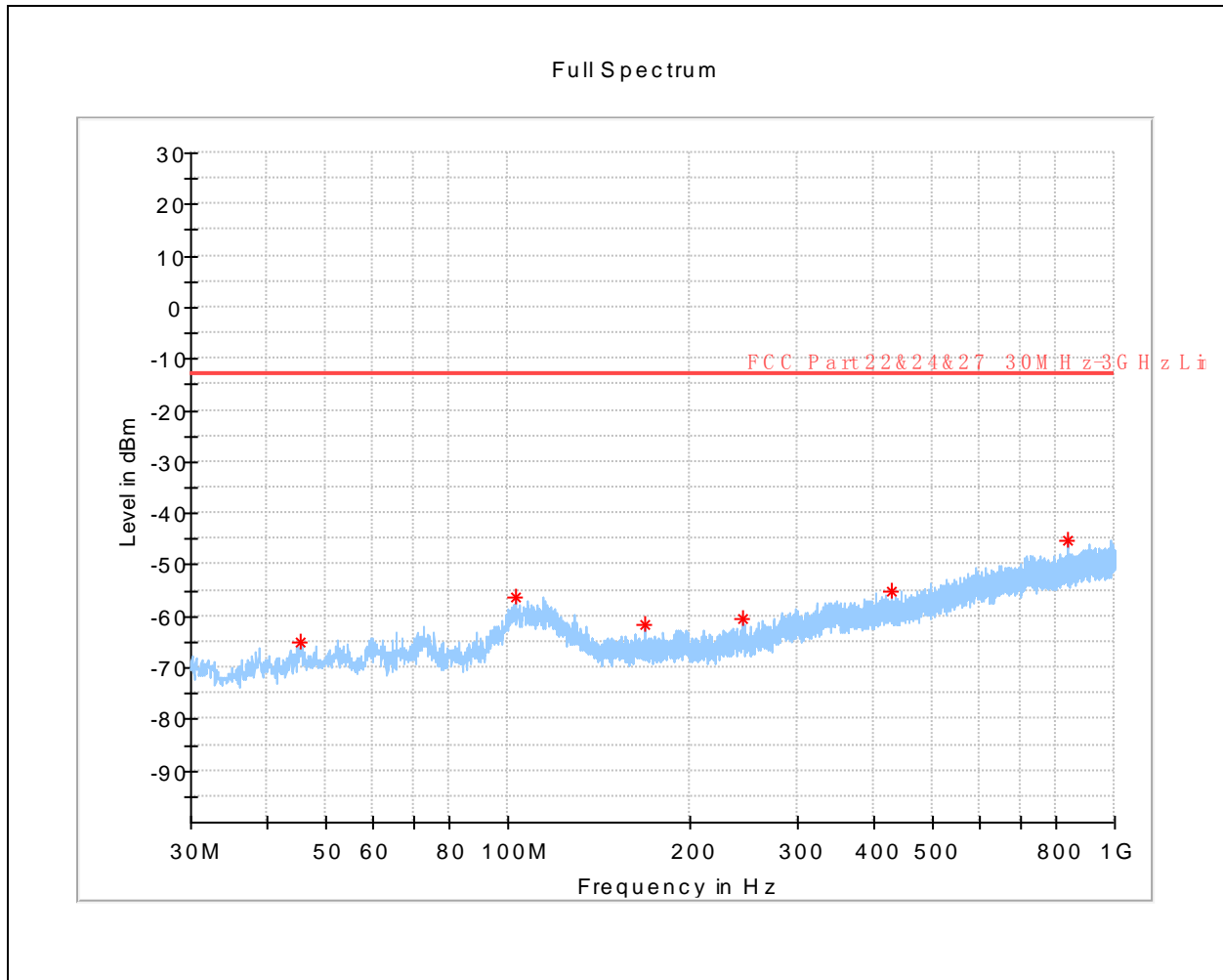


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
38.245000	-57.00	-13.00	44.00	H	-77.0
68.460500	-64.90	-13.00	51.90	H	-83.1
138.349000	-68.80	-13.00	55.80	H	-87.2
286.710500	-57.89	-13.00	44.89	H	-77.7
587.022500	-50.33	-13.00	37.33	H	-70.7
834.033000	-45.67	-13.00	32.67	H	-68.3



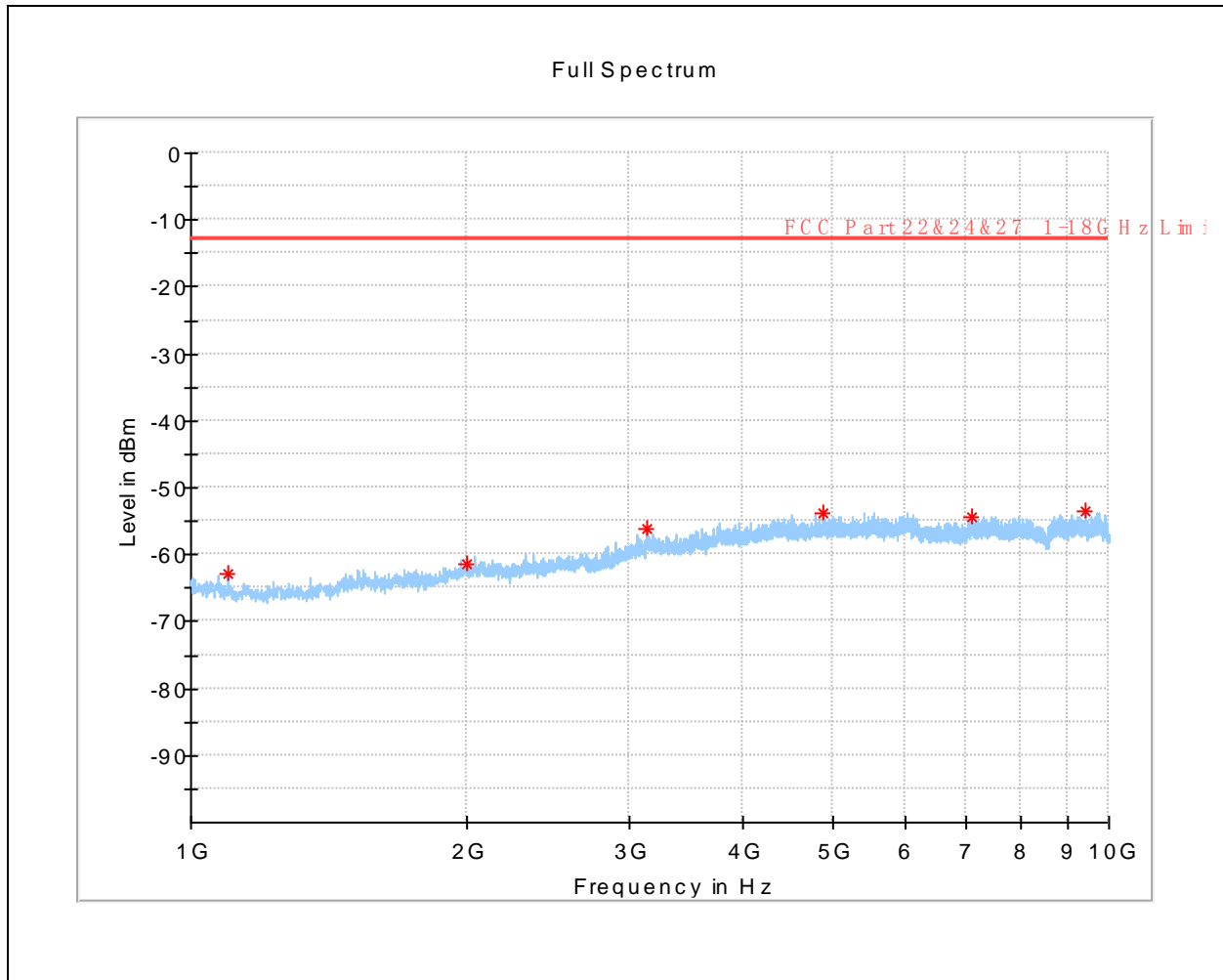
(CDMA BC 0 \_ CH 1013 \_ 1GHz to 10GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1060.750000	-61.81	-13.00	48.81	H	-111.7
1973.125000	-60.26	-13.00	47.26	H	-108.3
3155.500000	-55.36	-13.00	42.36	H	-101.8
4902.625000	-51.91	-13.00	38.91	H	-98.4
6350.500000	-52.92	-13.00	39.92	H	-98.0
9803.125000	-52.18	-13.00	39.18	H	-97.8

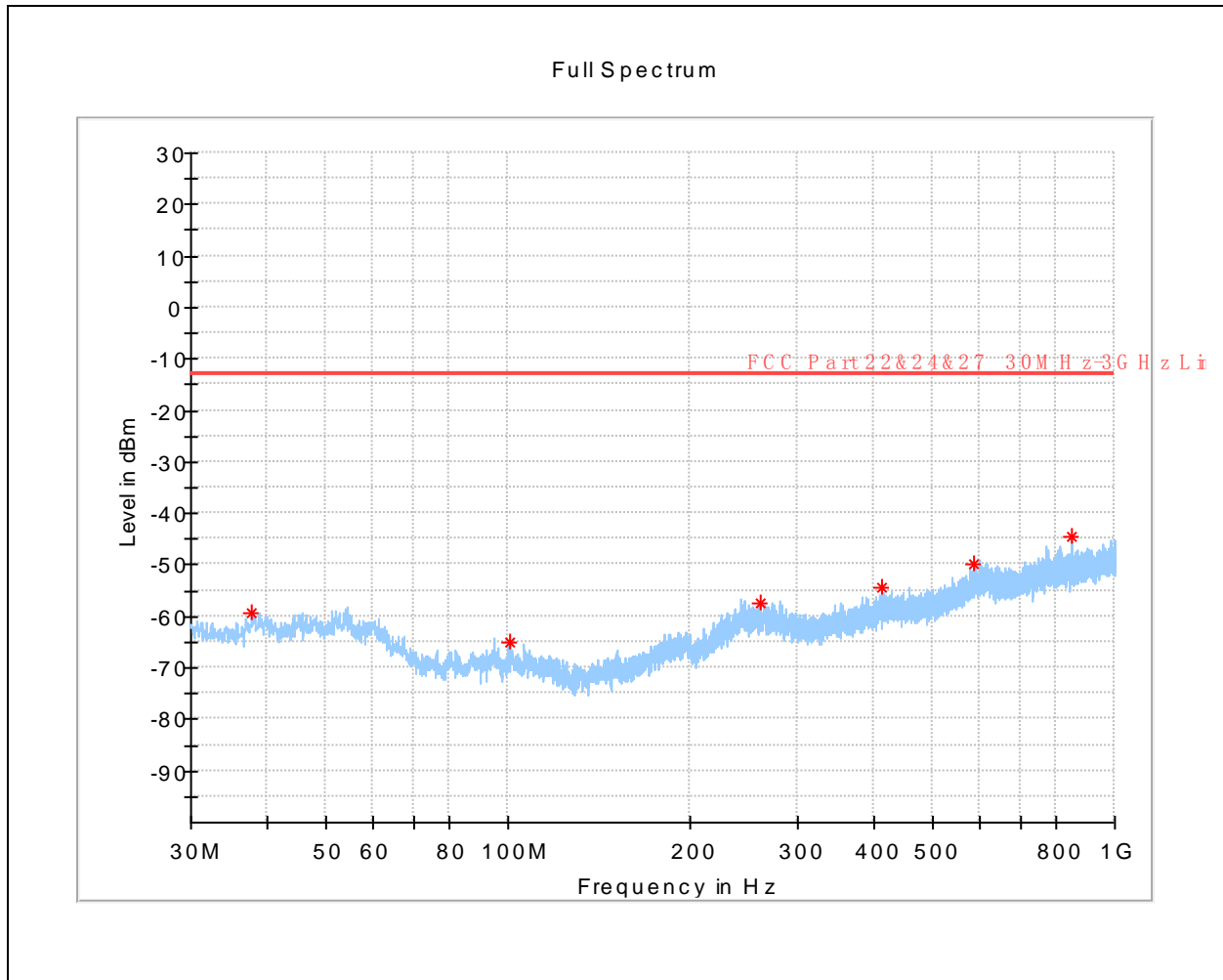


(CDMA BC 0 \_ CH 1013 \_ 30MHz to 1GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
45.568500	-65.08	-13.00	52.08	V	-82.1
102.992500	-56.27	-13.00	43.27	V	-75.2
168.225000	-61.60	-13.00	48.60	V	-82.8
243.497000	-60.52	-13.00	47.52	V	-81.1
429.300500	-55.04	-13.00	42.04	V	-75.8
833.790500	-45.26	-13.00	32.26	V	-68.2



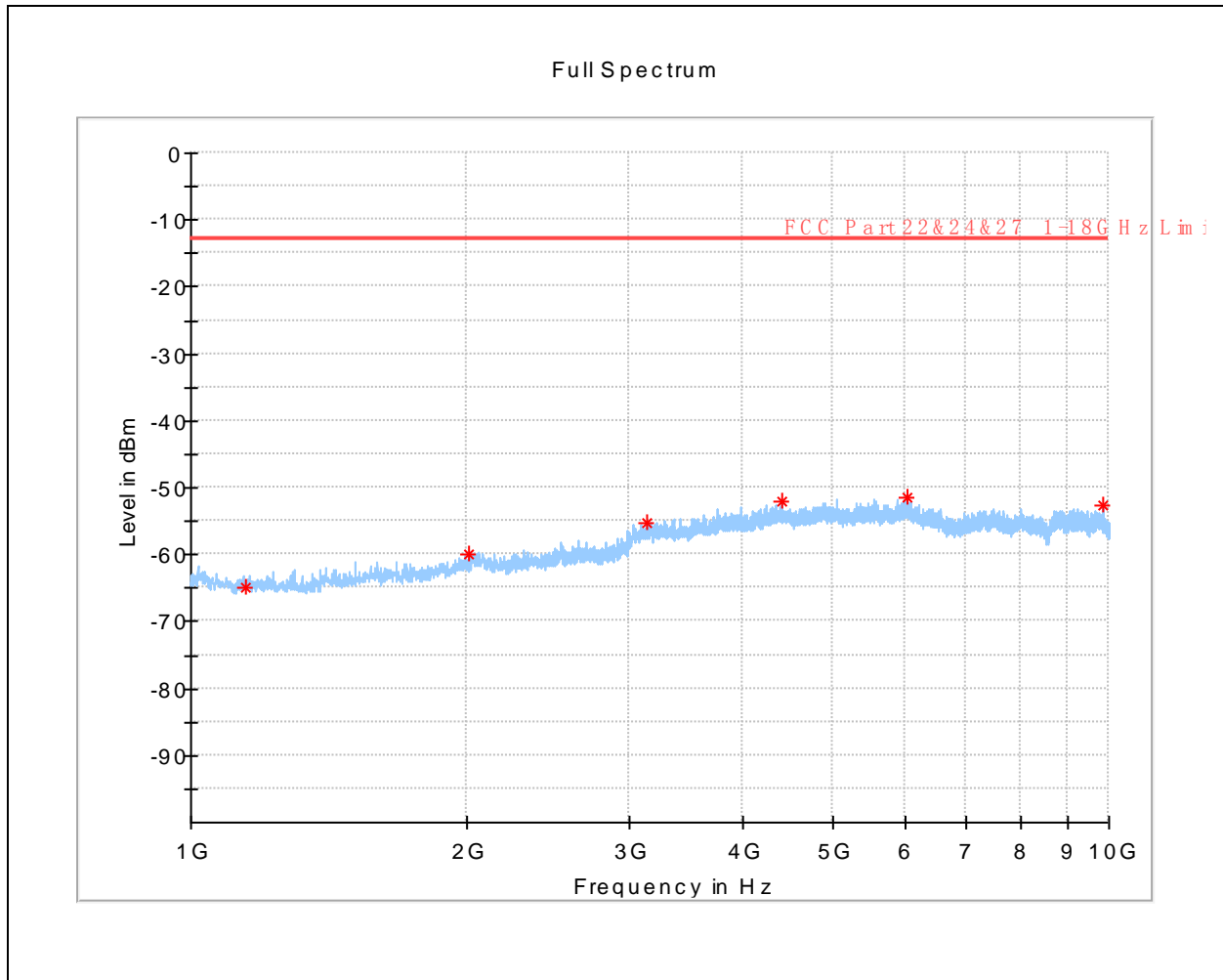
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1097.875000	-62.82	-13.00	49.82	V	-113.1
1997.875000	-61.29	-13.00	48.29	V	-108.8
3145.375000	-56.24	-13.00	43.24	V	-103.9
4891.375000	-53.93	-13.00	40.93	V	-100.6
7089.625000	-54.39	-13.00	41.39	V	-99.9
9436.375000	-53.58	-13.00	40.58	V	-98.9



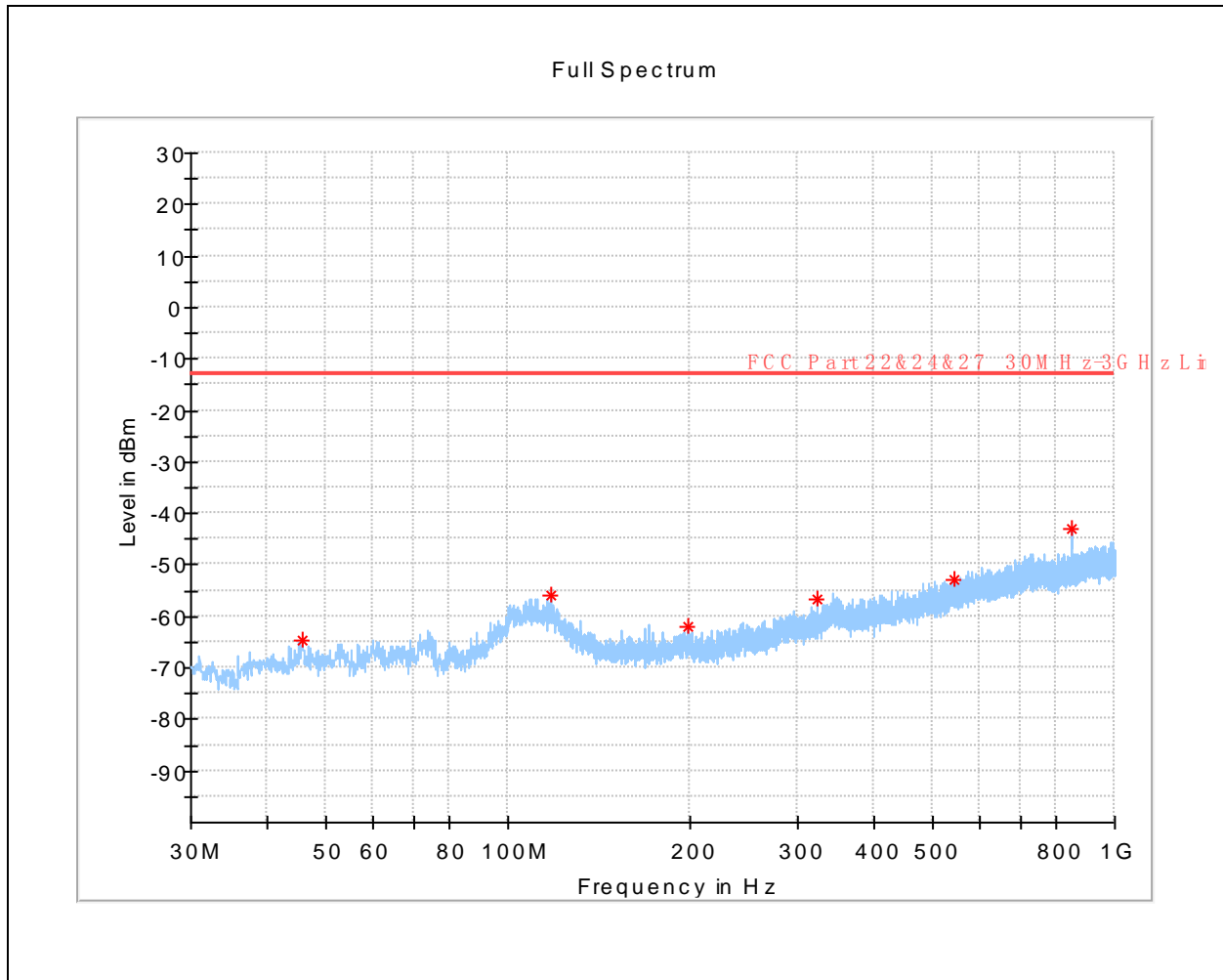
(CDMA BC 0 \_ CH 384 \_ 30MHz to 1GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
37.760000	-59.37	-13.00	46.37	H	-77.4
100.858500	-64.87	-13.00	51.87	H	-83.8
261.345000	-57.26	-13.00	44.26	H	-76.8
413.586500	-54.57	-13.00	41.57	H	-74.9
584.355000	-49.86	-13.00	36.86	H	-70.9
847.952500	-44.63	-13.00	31.63	H	-68.2

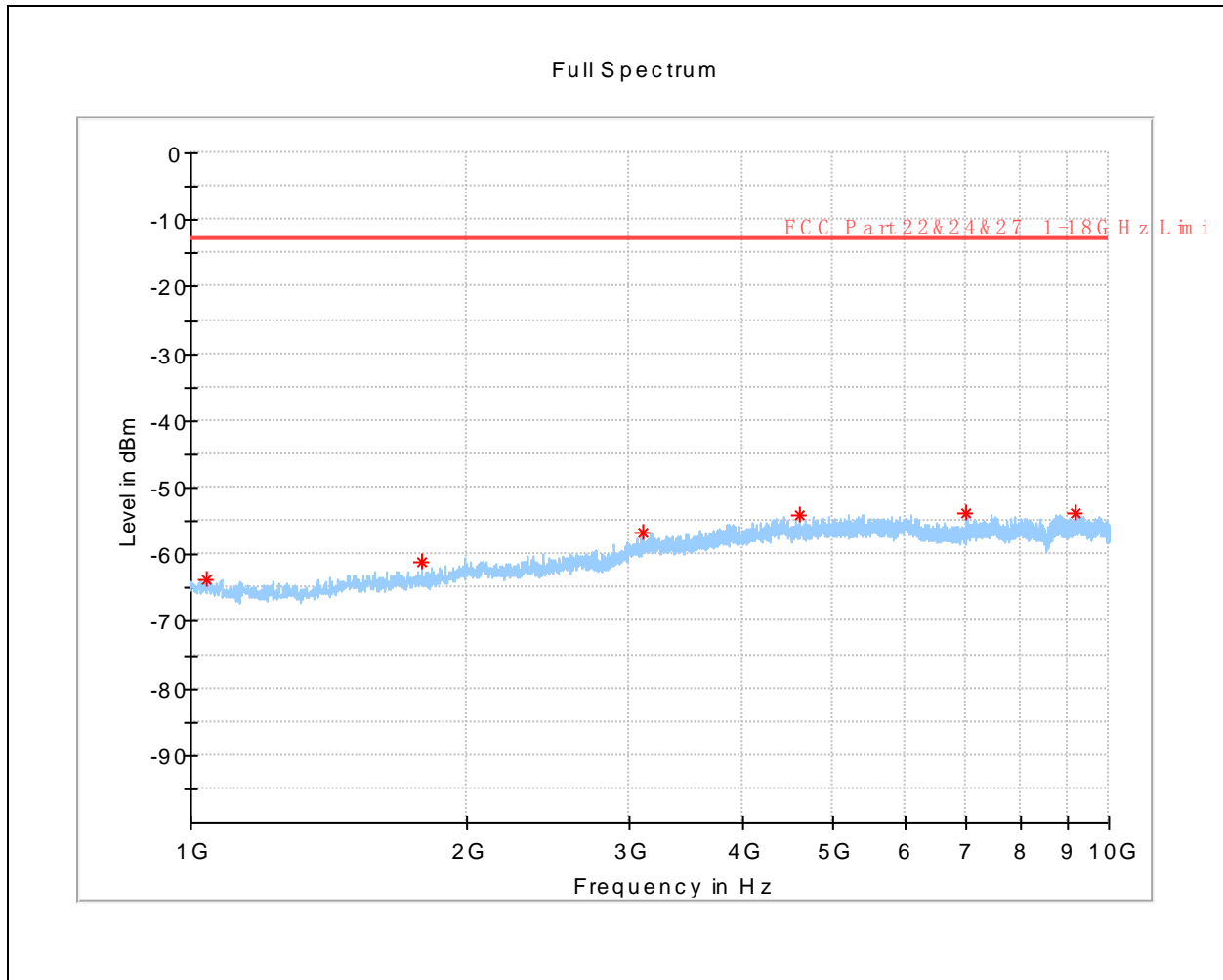




Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1145.125000	-65.02	-13.00	52.02	H	-111.8
2005.750000	-59.81	-13.00	46.81	H	-107.7
3133.000000	-55.20	-13.00	42.20	H	-102.1
4405.375000	-52.18	-13.00	39.18	H	-98.8
6022.000000	-51.52	-13.00	38.52	H	-97.3
9850.375000	-52.56	-13.00	39.56	H	-98.2

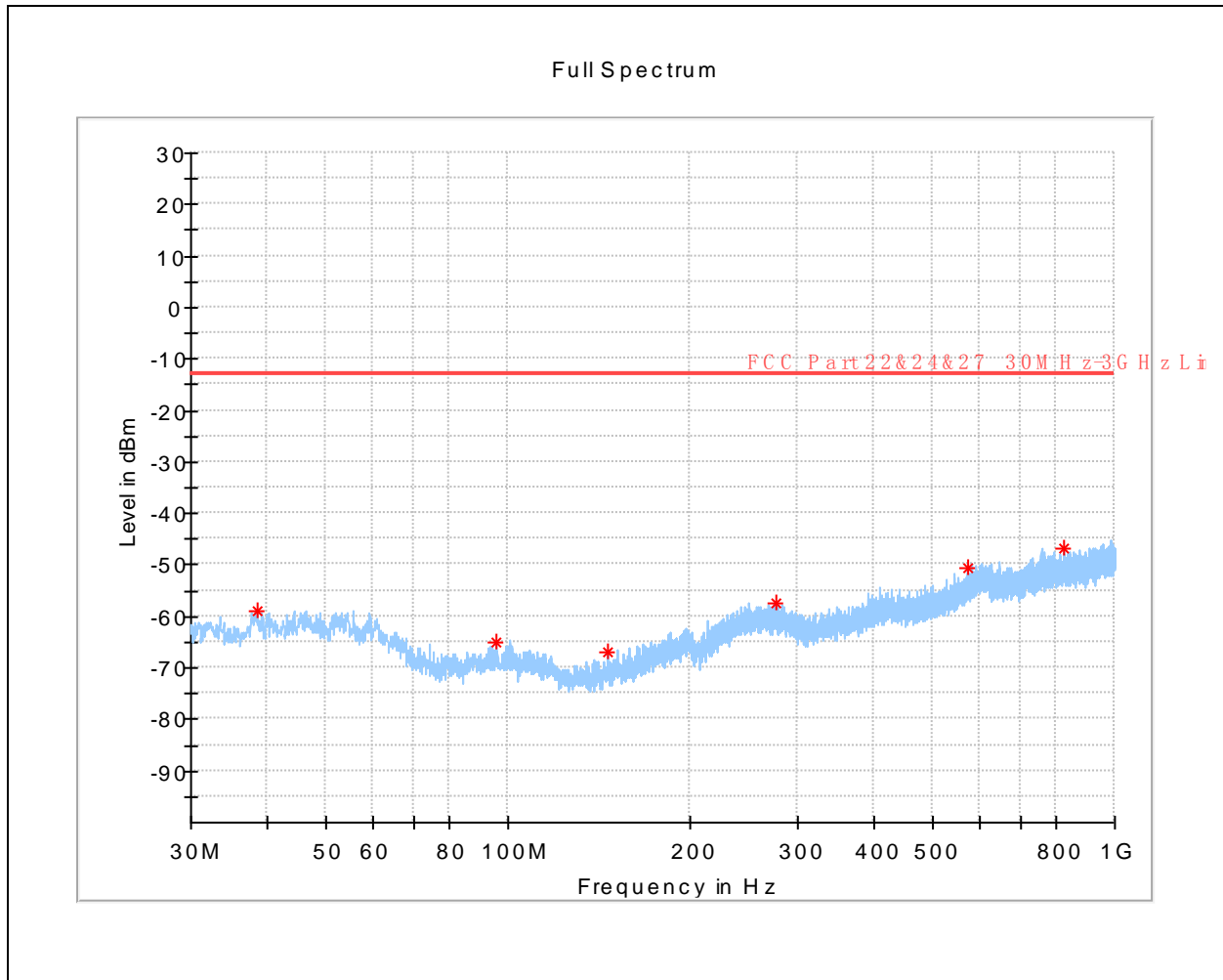


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
45.811000	-64.76	-13.00	51.76	V	-82.4
117.688000	-56.01	-13.00	43.01	V	-75.4
197.567500	-62.02	-13.00	49.02	V	-81.9
322.503500	-56.48	-13.00	43.48	V	-77.7
544.003000	-52.70	-13.00	39.70	V	-72.9
848.001000	-42.88	-13.00	29.88	V	-68.3

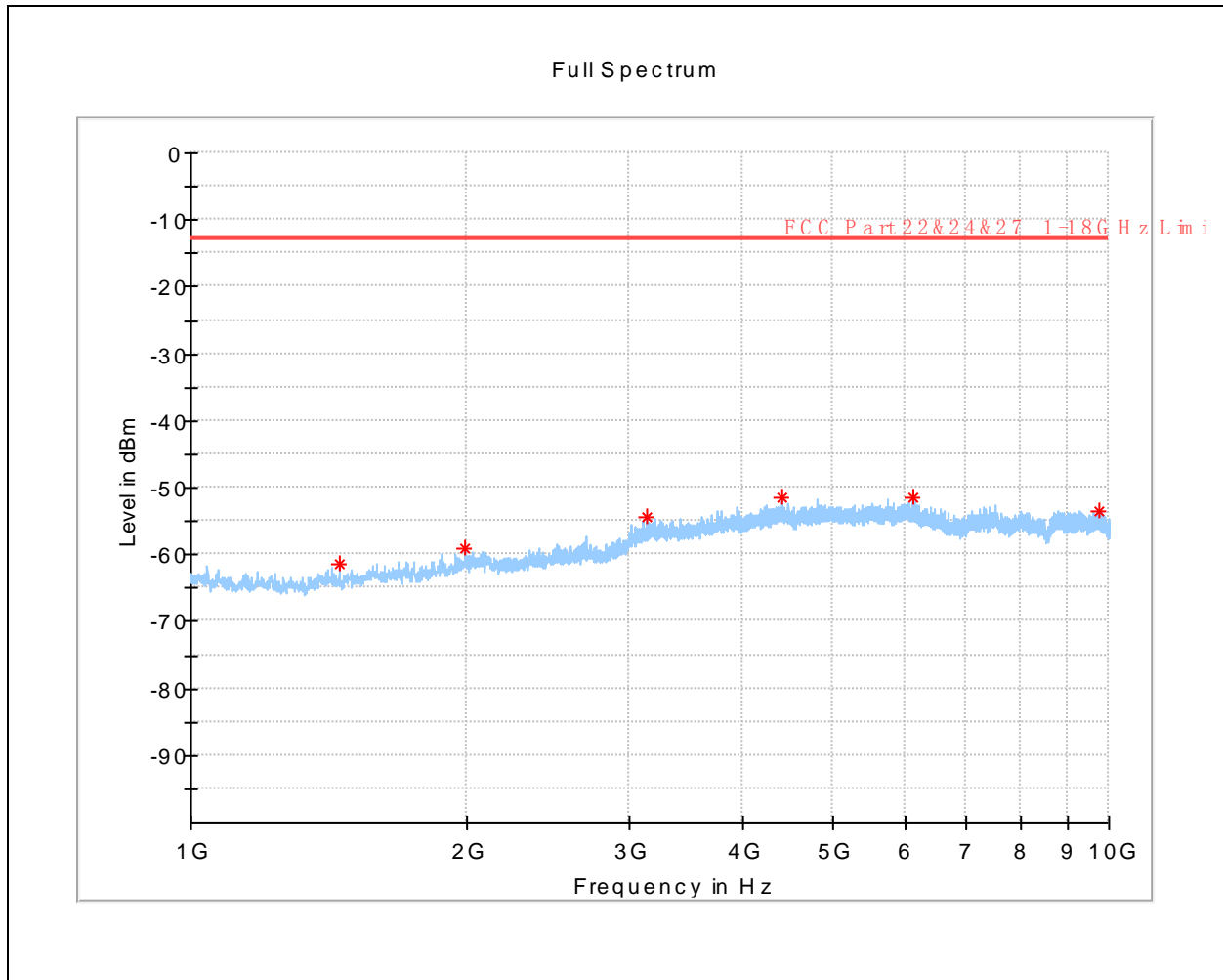


(CDMA BC 0 \_ CH 384 \_ 1GHz to 10GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1040.500000	-63.64	-13.00	50.64	V	-112.6
1786.375000	-61.11	-13.00	48.11	V	-110.9
3112.750000	-56.78	-13.00	43.78	V	-104.5
4596.625000	-54.07	-13.00	41.07	V	-101.3
6979.375000	-53.80	-13.00	40.80	V	-100.3
9187.750000	-53.68	-13.00	40.68	V	-99.0

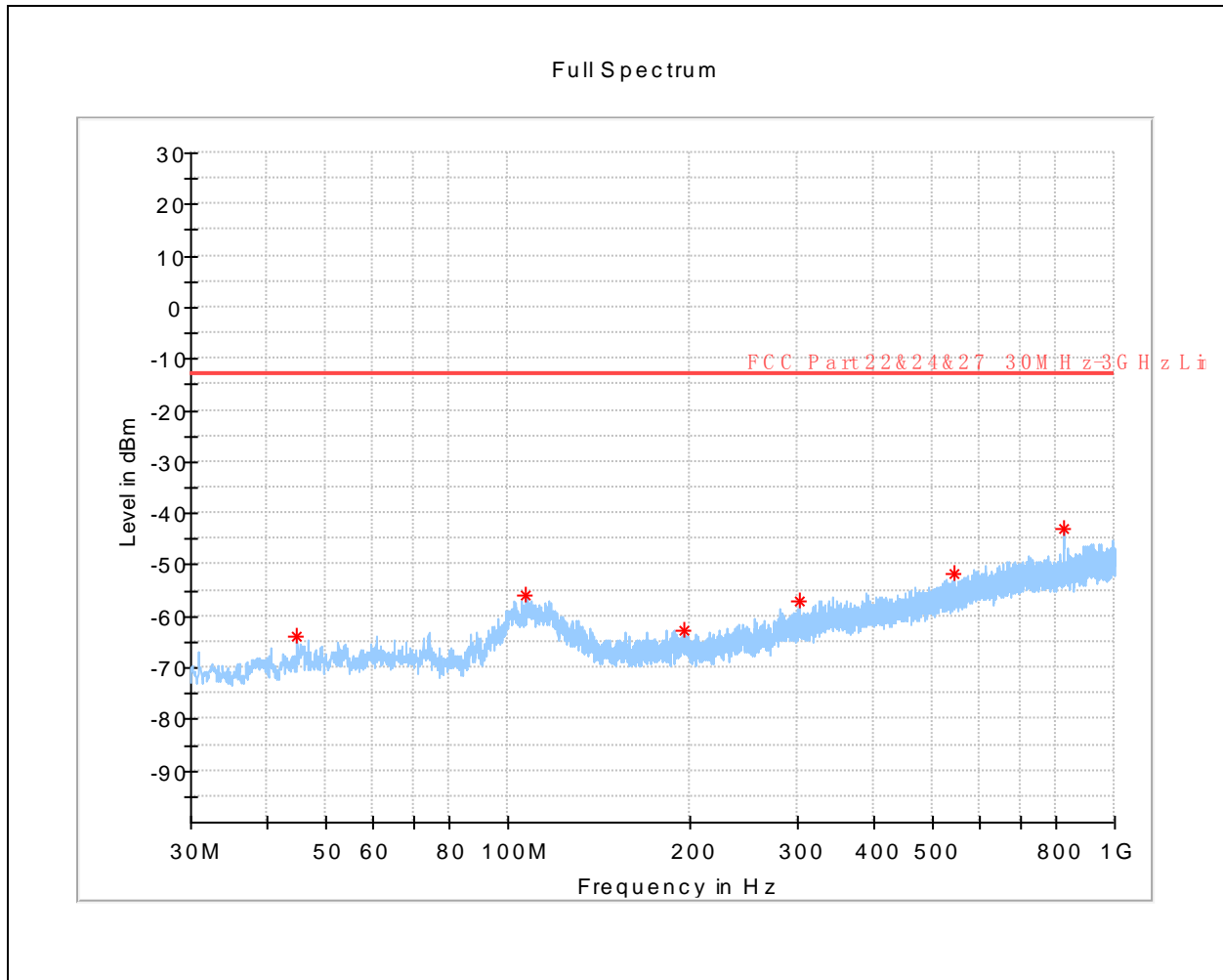


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
38.487500	-58.86	-13.00	45.86	H	-76.9
95.766000	-64.95	-13.00	51.95	H	-84.0
146.206000	-67.06	-13.00	54.06	H	-86.6
277.253000	-57.31	-13.00	44.31	H	-77.1
570.775000	-50.53	-13.00	37.53	H	-71.8
824.333000	-46.71	-13.00	33.71	H	-67.9



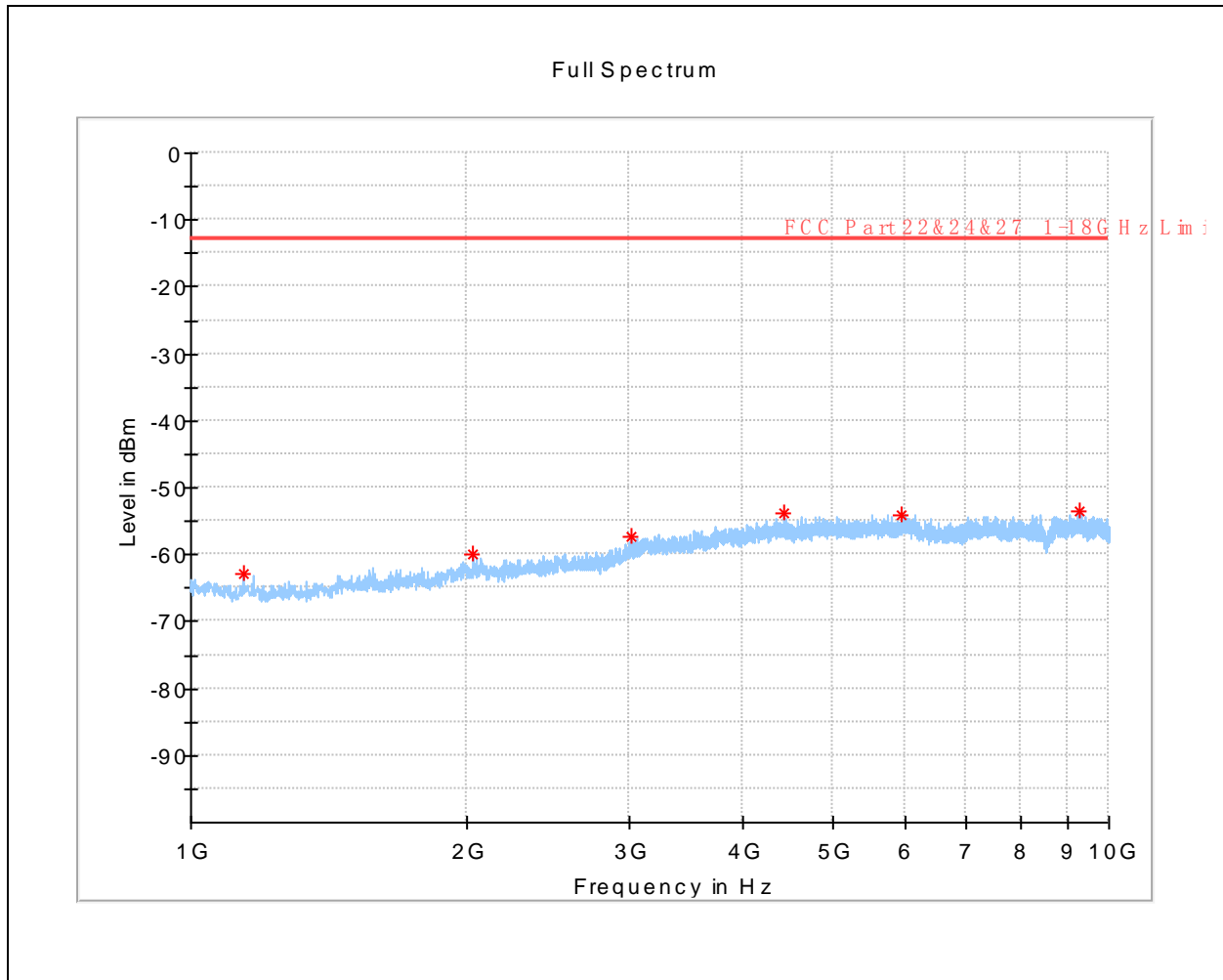
(CDMA BC 0 \_ CH 777 \_ 1GHz to 10GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1453.375000	-61.42	-13.00	48.42	H	-111.6
1988.875000	-59.05	-13.00	46.05	H	-107.7
3138.625000	-54.30	-13.00	41.30	H	-102.0
4414.375000	-51.54	-13.00	38.54	H	-98.9
6106.375000	-51.54	-13.00	38.54	H	-97.9
9750.250000	-53.38	-13.00	40.38	H	-97.8

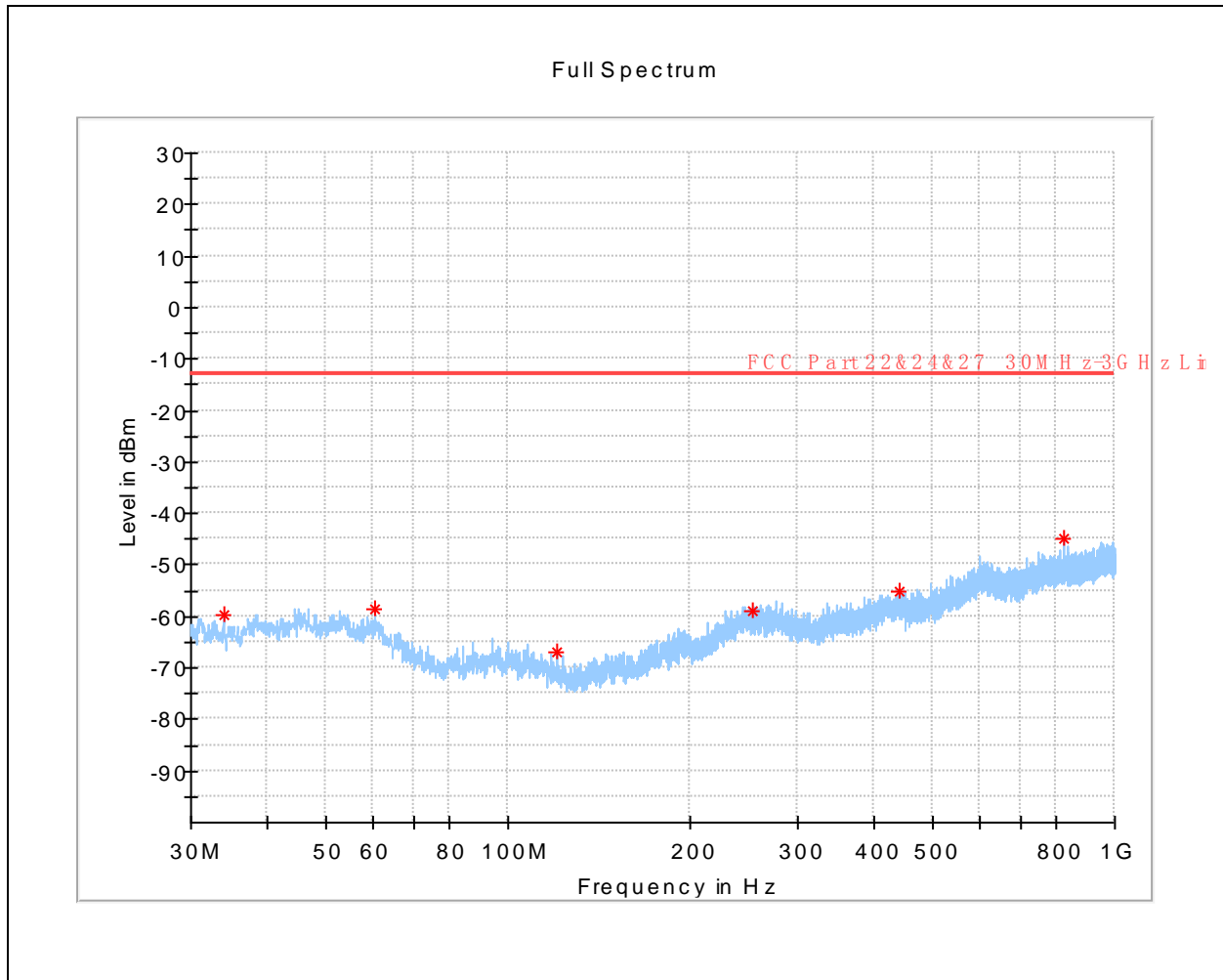


(CDMA BC 0 \_ CH 777 \_ 30MHz to 1GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
44.889500	-63.74	-13.00	50.74	V	-83.4
107.163500	-56.04	-13.00	43.04	V	-74.7
194.900000	-62.85	-13.00	49.85	V	-81.2
303.297500	-57.14	-13.00	44.14	V	-78.3
543.081500	-51.79	-13.00	38.79	V	-72.8
824.915000	-43.03	-13.00	30.03	V	-68.2

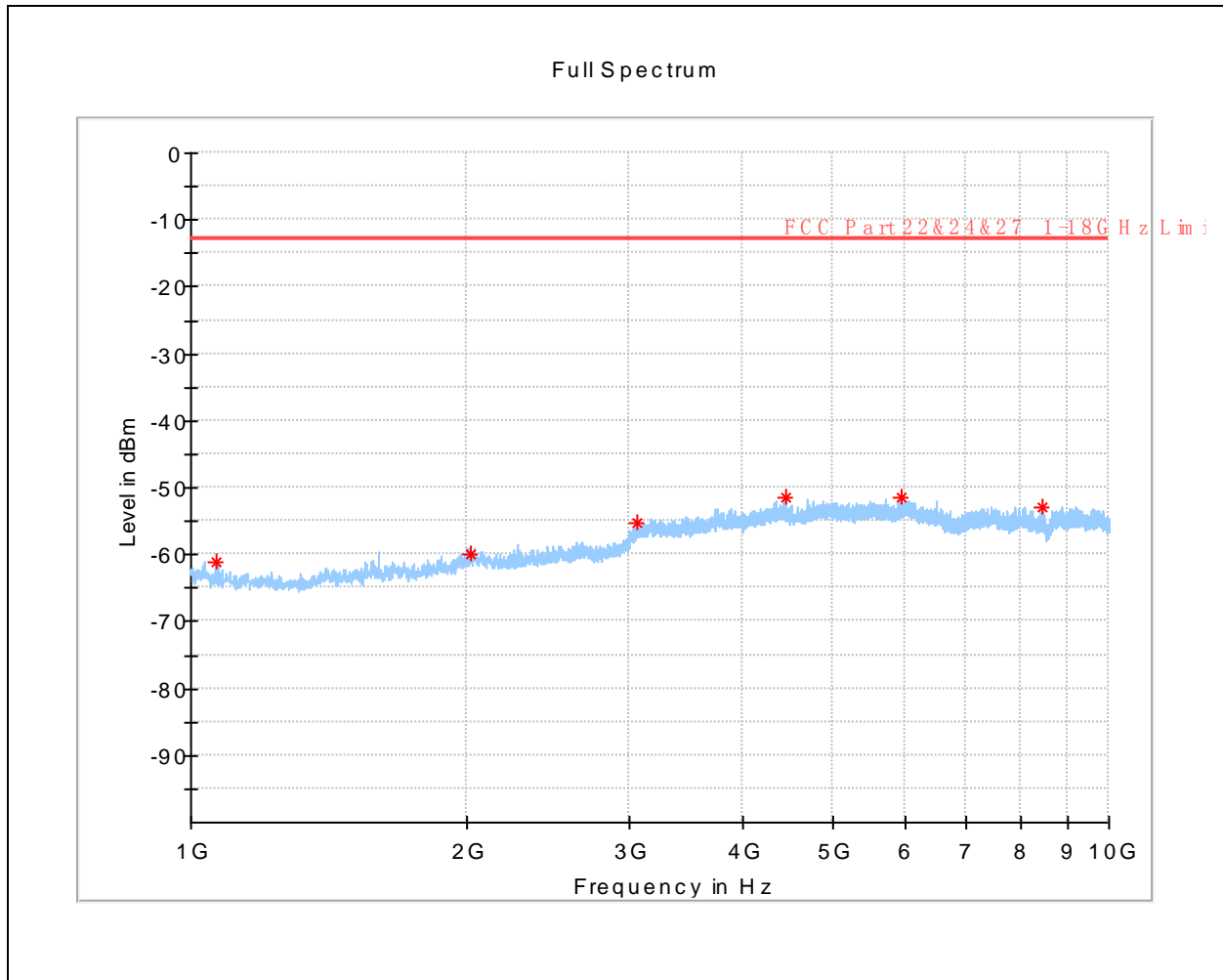


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1139.500000	-62.89	-13.00	49.89	V	-112.9
2032.750000	-59.93	-13.00	46.93	V	-108.9
3023.875000	-57.19	-13.00	44.19	V	-104.8
4421.125000	-53.79	-13.00	40.79	V	-101.0
5947.750000	-53.95	-13.00	40.95	V	-99.6
9267.625000	-53.50	-13.00	40.50	V	-98.7

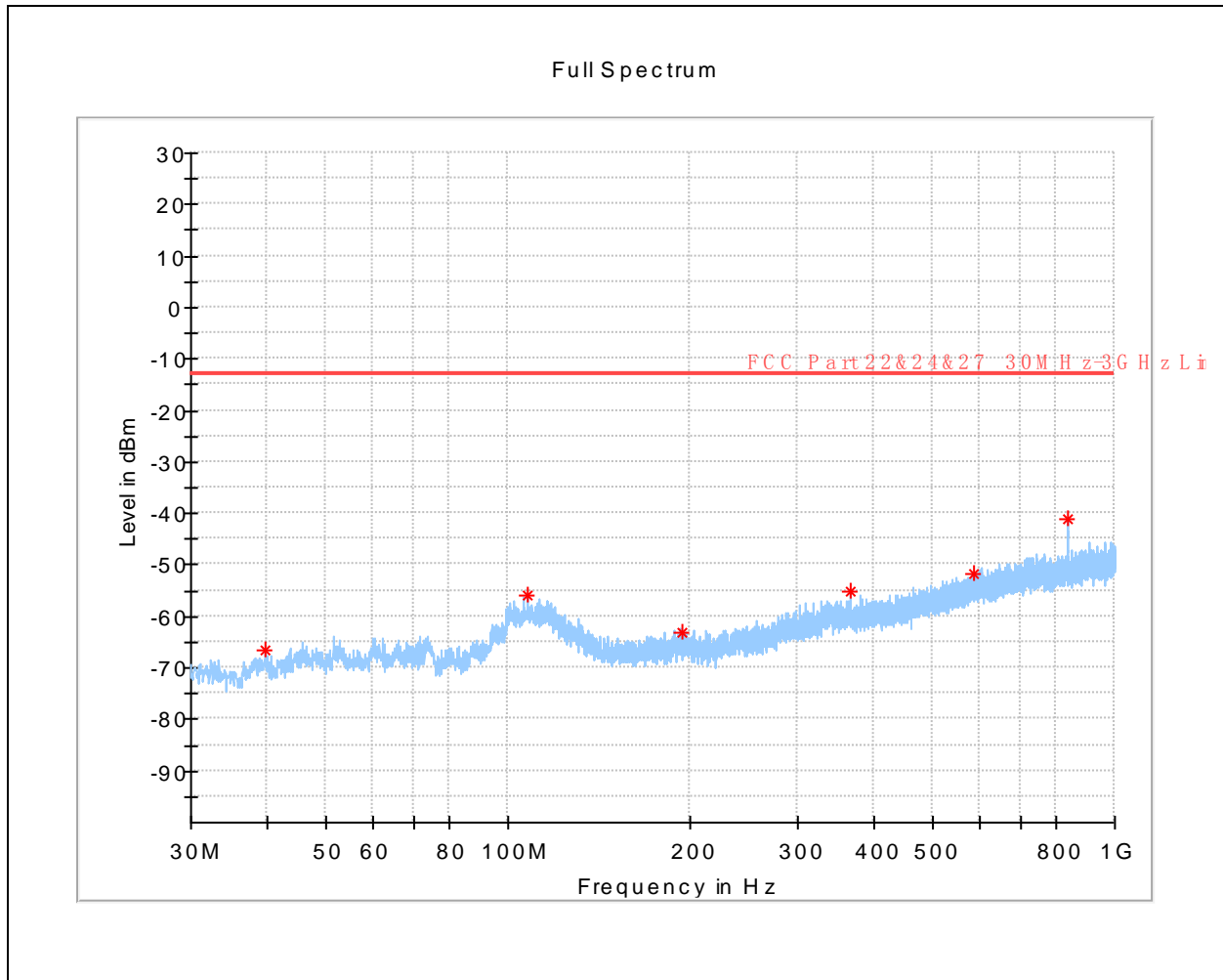


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
33.977000	-59.64	-13.00	46.64	H	-79.4
60.409500	-58.73	-13.00	45.73	H	-77.7
120.501000	-67.07	-13.00	54.07	H	-87.2
253.488000	-58.79	-13.00	45.79	H	-77.2
440.698000	-54.96	-13.00	41.96	H	-75.2
824.430000	-45.07	-13.00	32.07	H	-67.9

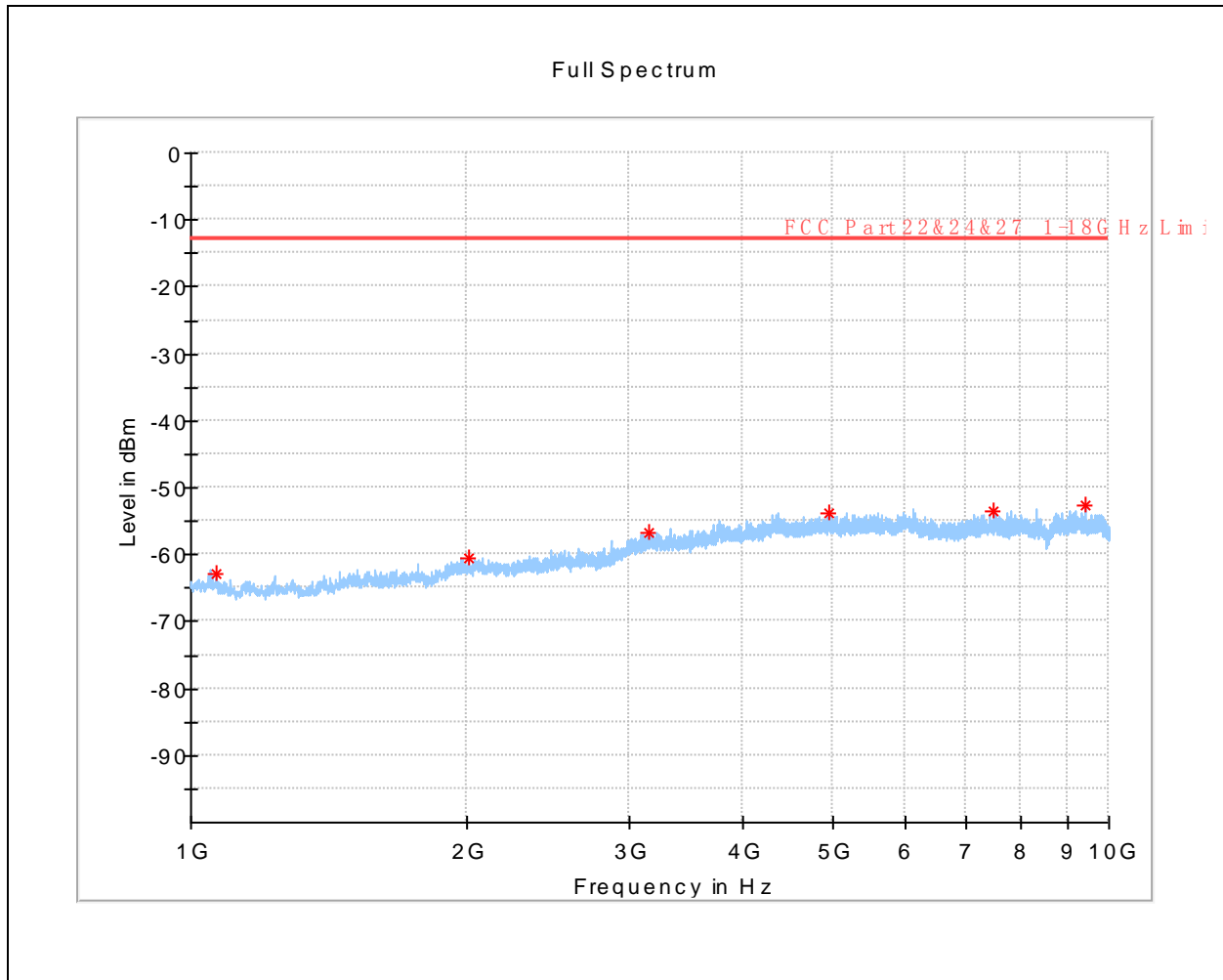




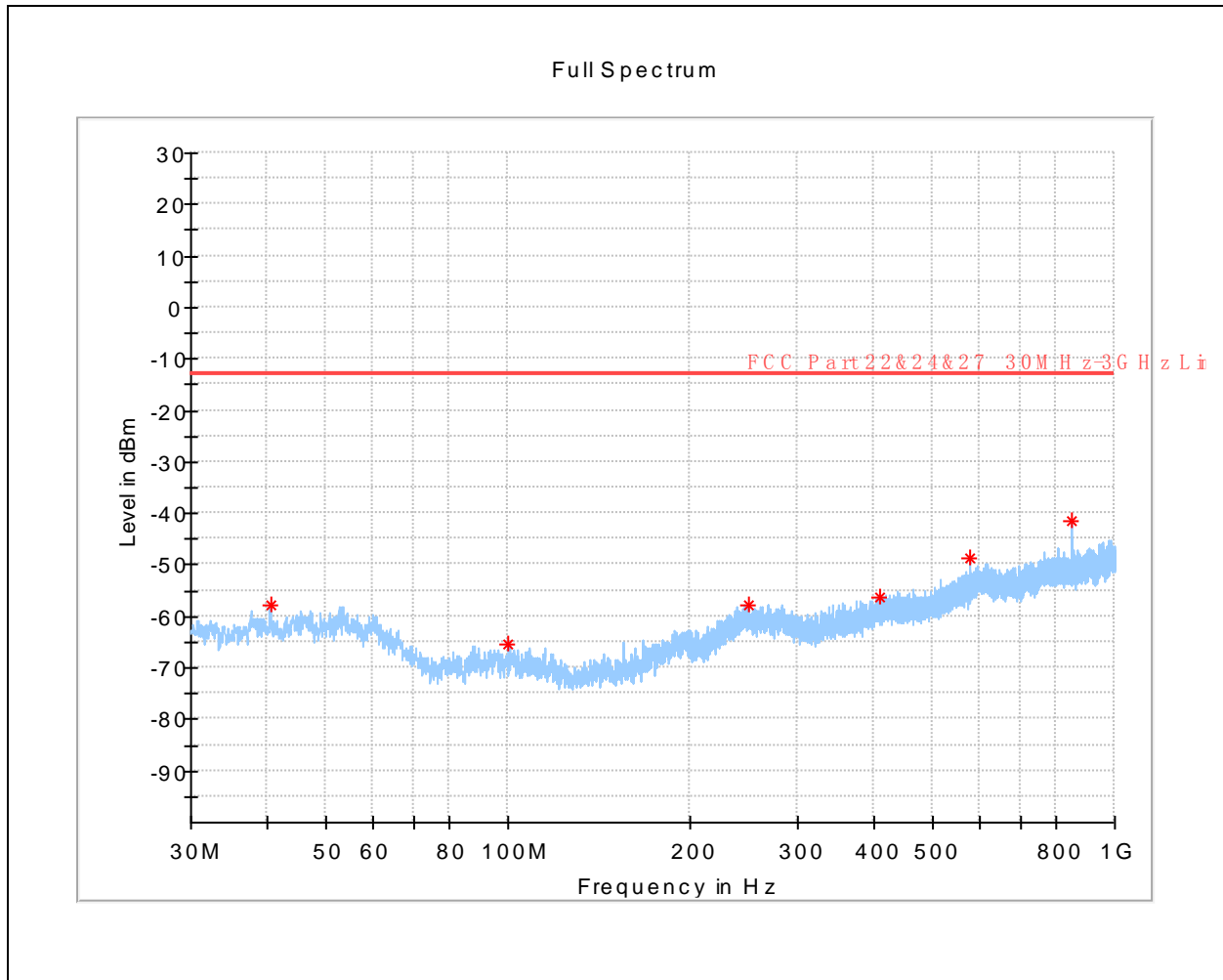
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1064.125000	-61.14	-13.00	48.14	H	-111.7
2020.375000	-59.84	-13.00	46.84	H	-107.6
3063.250000	-55.15	-13.00	42.15	H	-102.8
4457.125000	-51.46	-13.00	38.46	H	-98.9
5929.750000	-51.57	-13.00	38.57	H	-97.6
8443.000000	-52.85	-13.00	39.85	H	-98.4



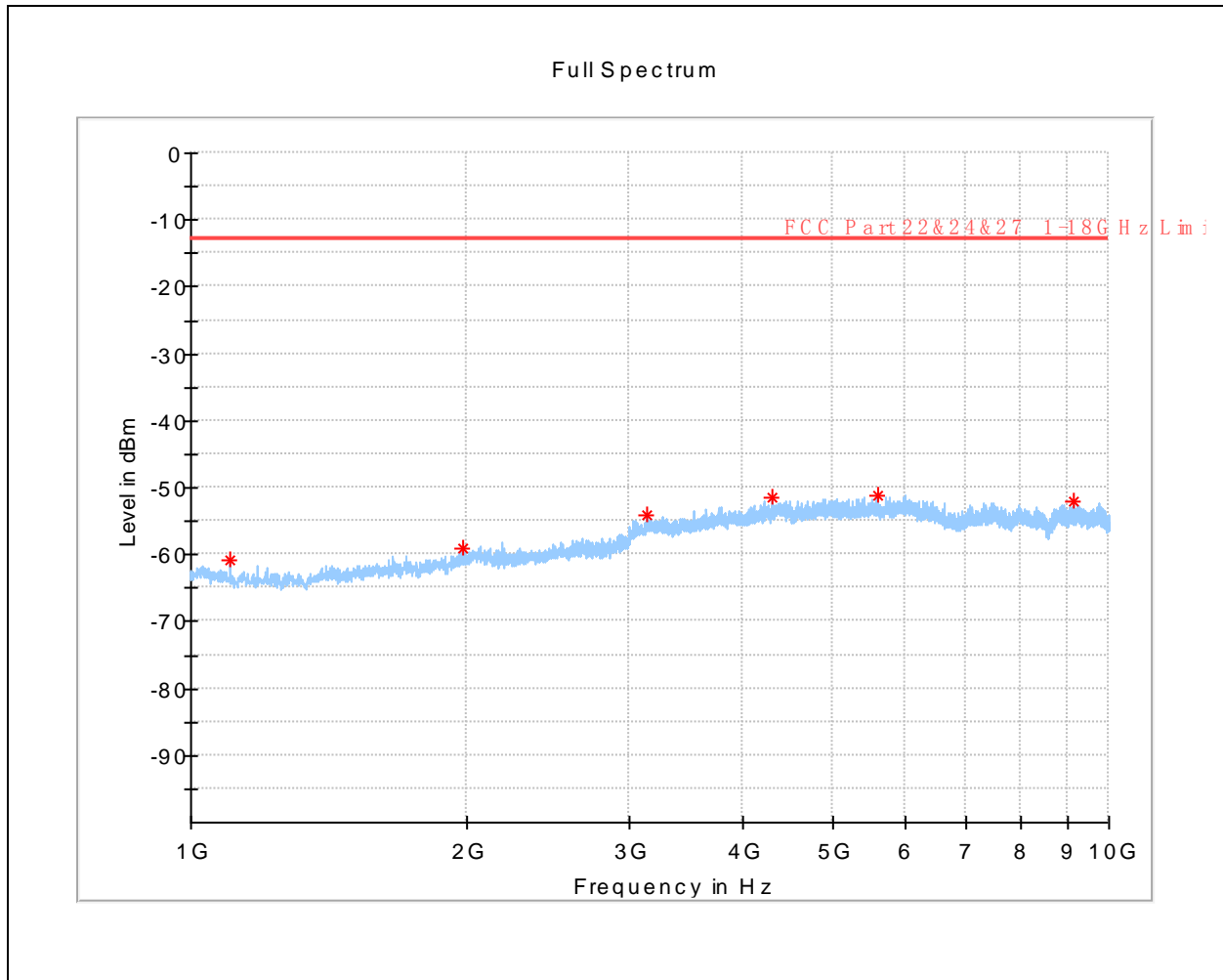
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
39.748500	-66.73	-13.00	53.73	V	-85.4
107.600000	-55.88	-13.00	42.88	V	-74.8
194.027000	-62.95	-13.00	49.95	V	-81.7
366.929500	-55.00	-13.00	42.00	V	-76.4
585.082500	-51.69	-13.00	38.69	V	-71.4
834.081500	-41.04	-13.00	28.04	V	-68.2



Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1066.375000	-63.00	-13.00	50.00	V	-112.7
2003.500000	-60.48	-13.00	47.48	V	-108.8
3157.750000	-56.76	-13.00	43.76	V	-103.9
4958.875000	-53.91	-13.00	40.91	V	-100.0
7496.875000	-53.43	-13.00	40.43	V	-99.4
9442.000000	-52.58	-13.00	39.58	V	-98.9

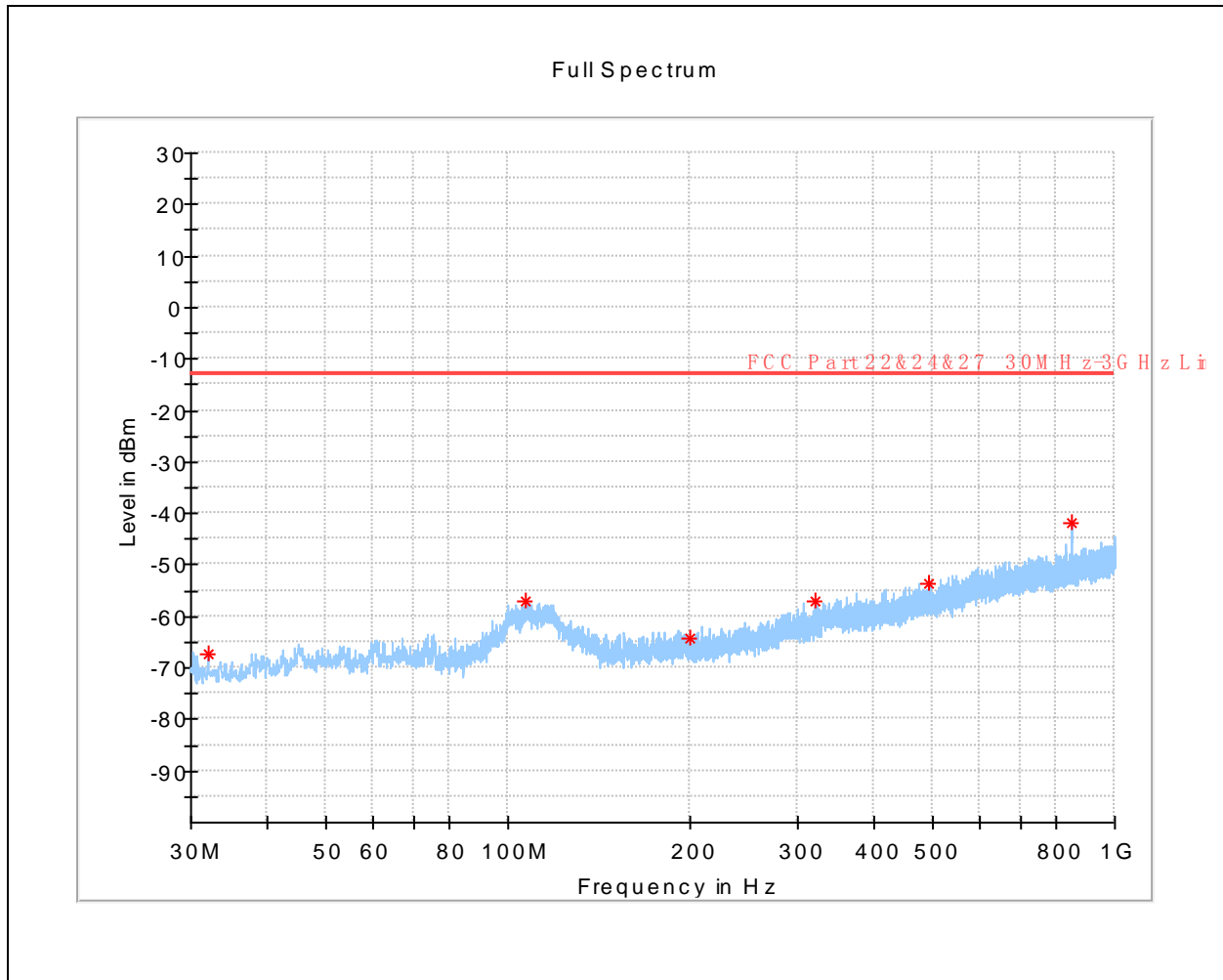


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
40.573000	-57.88	-13.00	44.88	H	-78.0
100.325000	-65.42	-13.00	52.42	H	-84.0
249.511000	-57.95	-13.00	44.95	H	-76.8
410.046000	-56.11	-13.00	43.11	H	-75.0
578.971500	-48.84	-13.00	35.84	H	-71.6
848.292000	-41.57	-13.00	28.57	H	-68.2

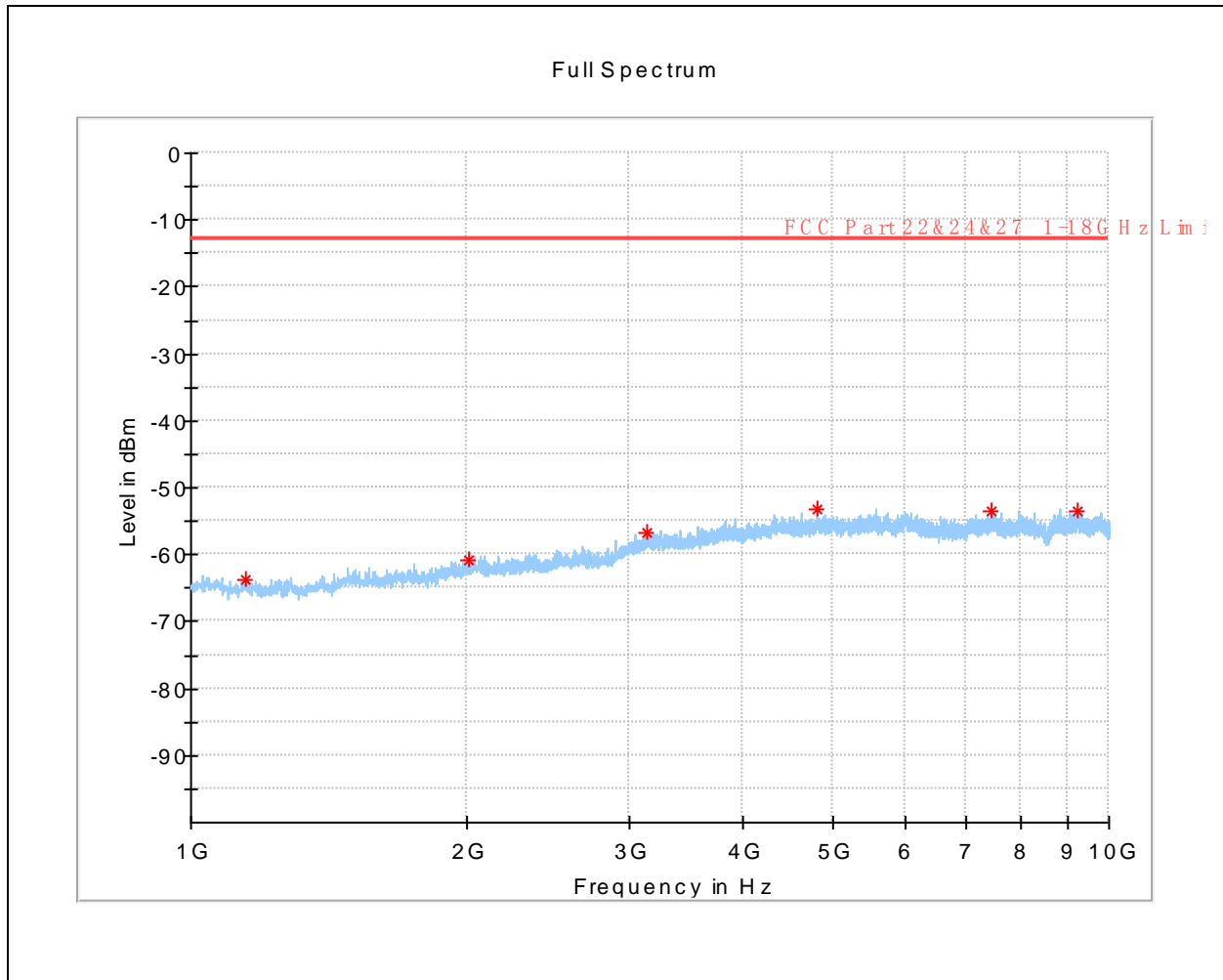


(1XEVD0 Rev 0 BC 0 \_ CH 384 \_ 1GHz to 10GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1102.375000	-60.75	-13.00	47.75	H	-111.9
1974.250000	-59.01	-13.00	46.01	H	-108.2
3143.125000	-54.21	-13.00	41.21	H	-101.9
4301.875000	-51.57	-13.00	38.57	H	-99.1
5597.875000	-51.06	-13.00	38.06	H	-97.9
9139.375000	-51.98	-13.00	38.98	H	-98.3

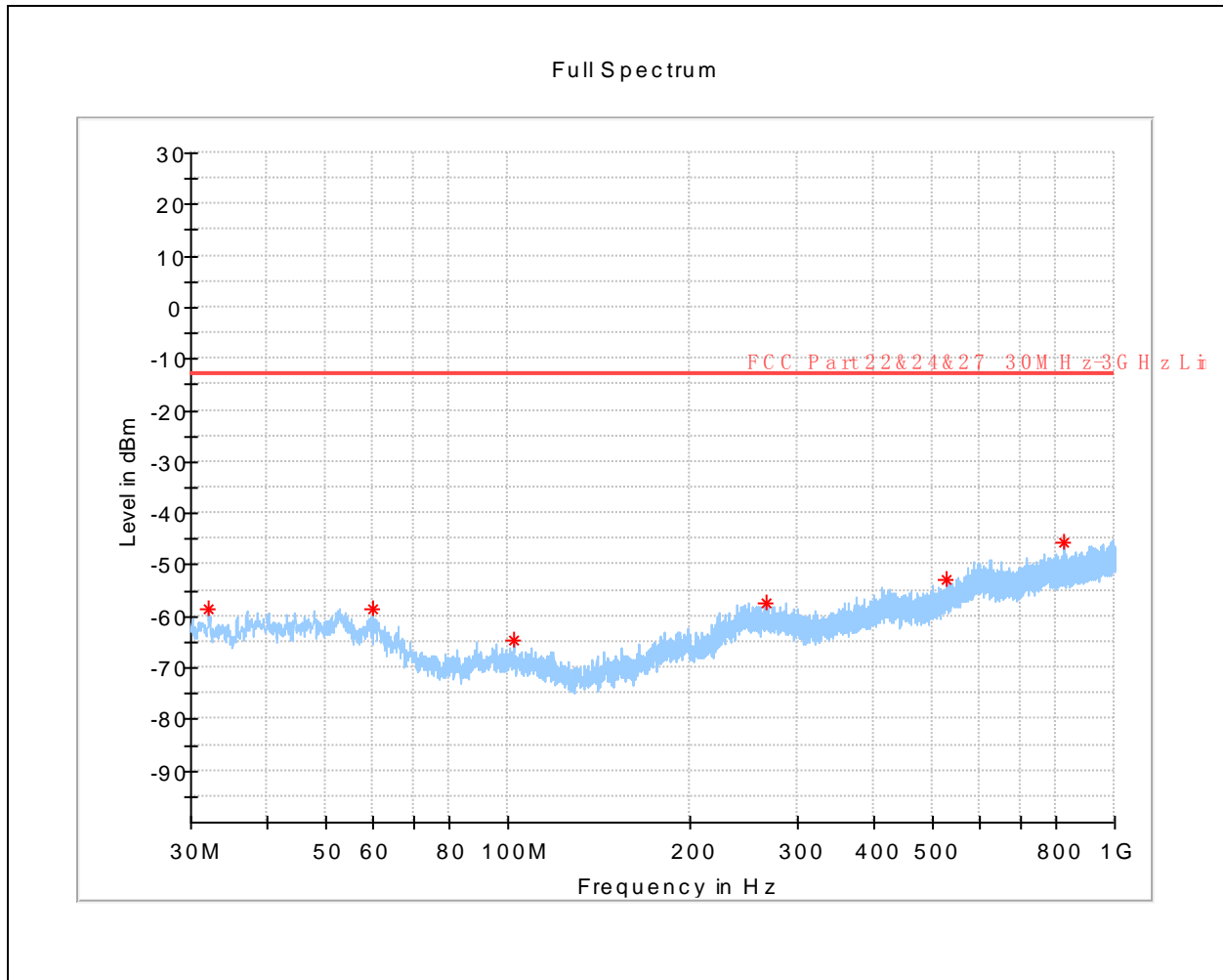


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
32.037000	-67.33	-13.00	54.33	V	-87.3
107.066500	-57.09	-13.00	44.09	V	-74.8
198.780000	-64.26	-13.00	51.26	V	-82.3
321.339500	-57.15	-13.00	44.15	V	-77.7
494.436000	-53.56	-13.00	40.56	V	-73.9
848.825500	-41.89	-13.00	28.89	V	-68.3



(1XEVD0 Rev 0 BC 0 \_ CH 384 \_ 1GHz to 10GHz \_ Vertical)

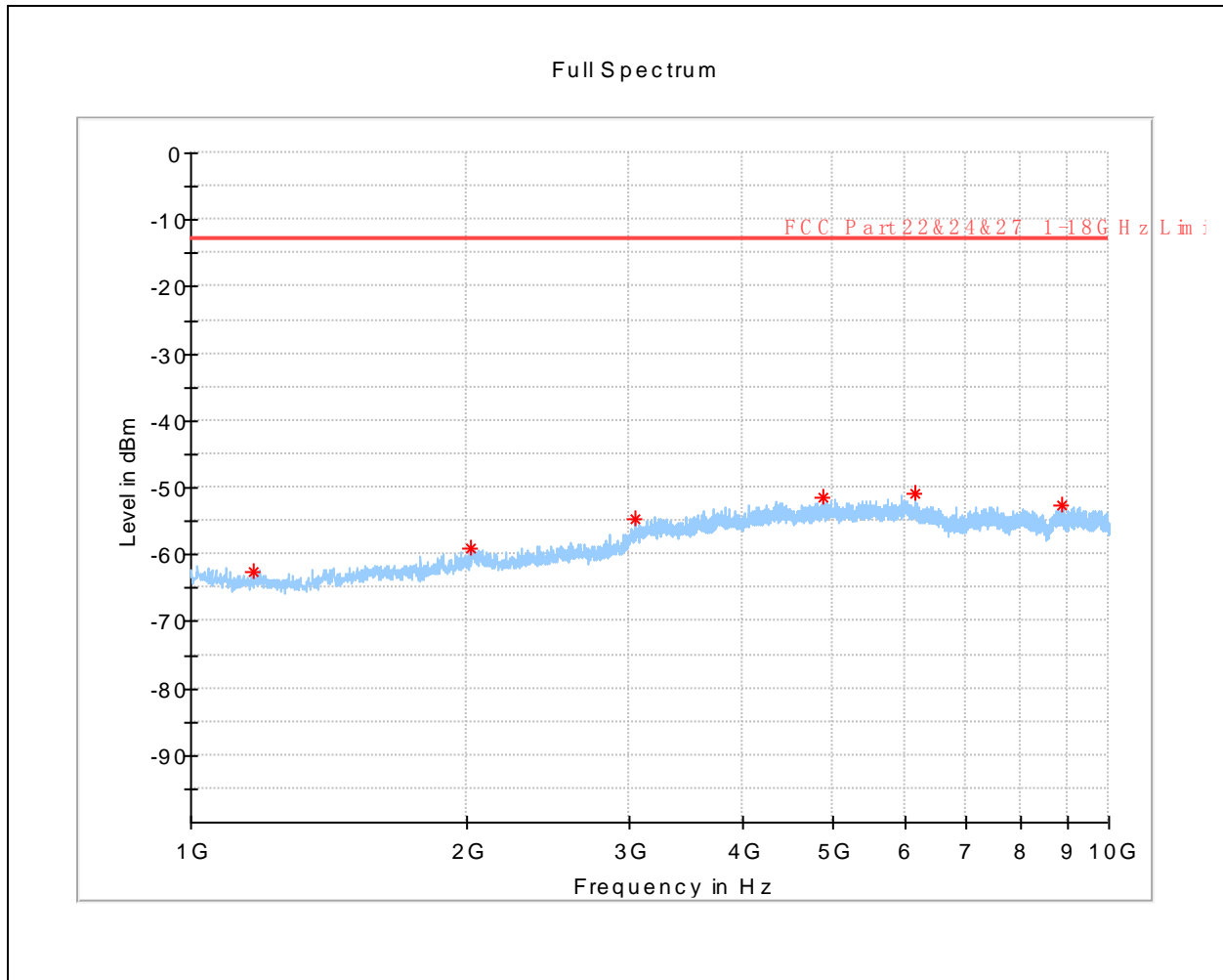
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1146.250000	-63.69	-13.00	50.69	V	-112.8
2009.125000	-60.85	-13.00	47.85	V	-109.0
3137.500000	-56.63	-13.00	43.63	V	-103.9
4814.875000	-53.27	-13.00	40.27	V	-100.2
7455.250000	-53.61	-13.00	40.61	V	-99.3
9241.750000	-53.38	-13.00	40.38	V	-98.8



(1XEVD0 Rev 0 BC 0 \_ CH 777 \_ 30MHz to 1GHz \_ Horizontal)

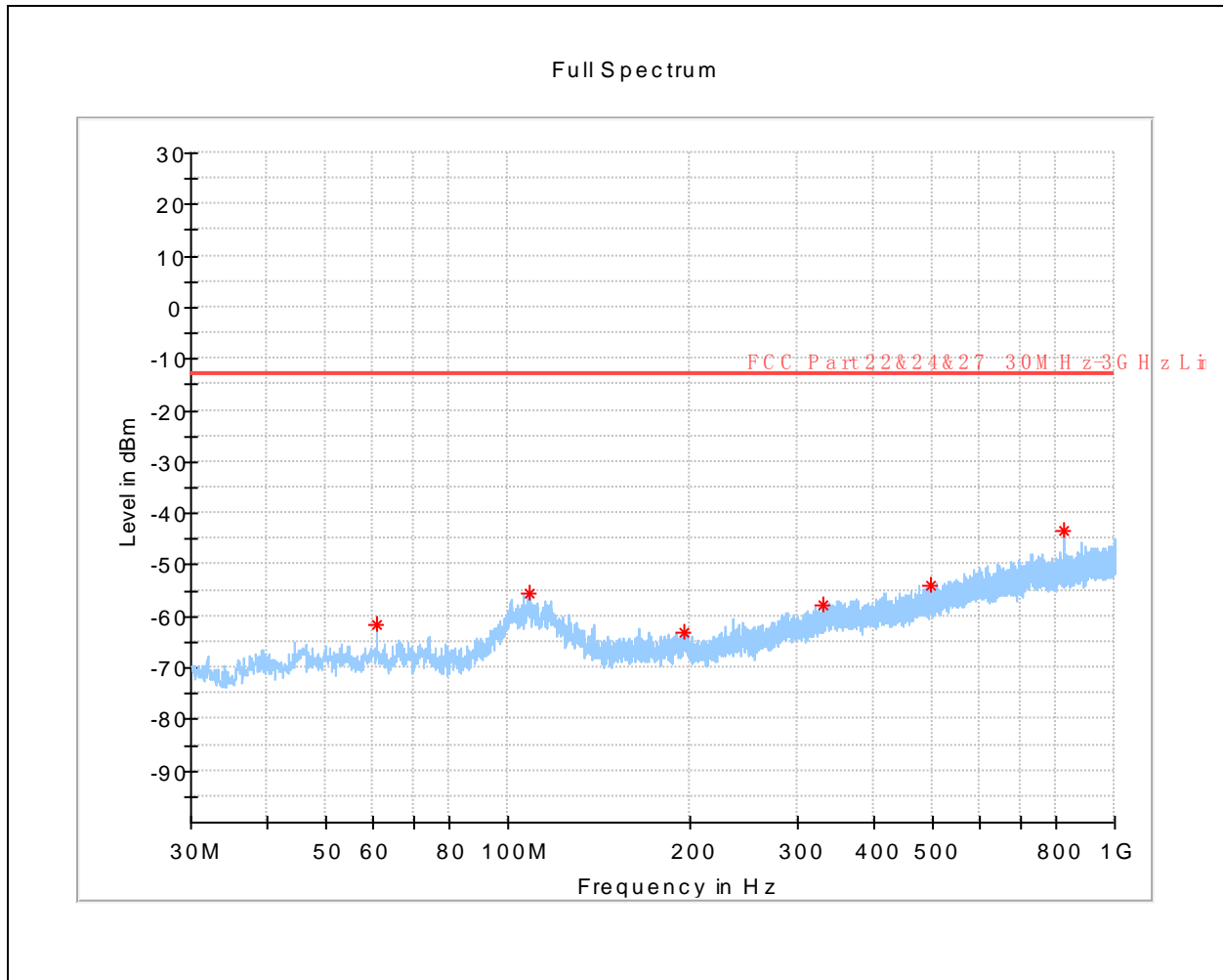
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
32.085500	-58.64	-13.00	45.64	H	-79.2
59.924500	-58.52	-13.00	45.52	H	-77.5
102.313500	-64.48	-13.00	51.48	H	-84.3
266.728500	-57.30	-13.00	44.30	H	-77.0
528.628500	-52.77	-13.00	39.77	H	-73.4
824.963500	-45.54	-13.00	32.54	H	-67.9



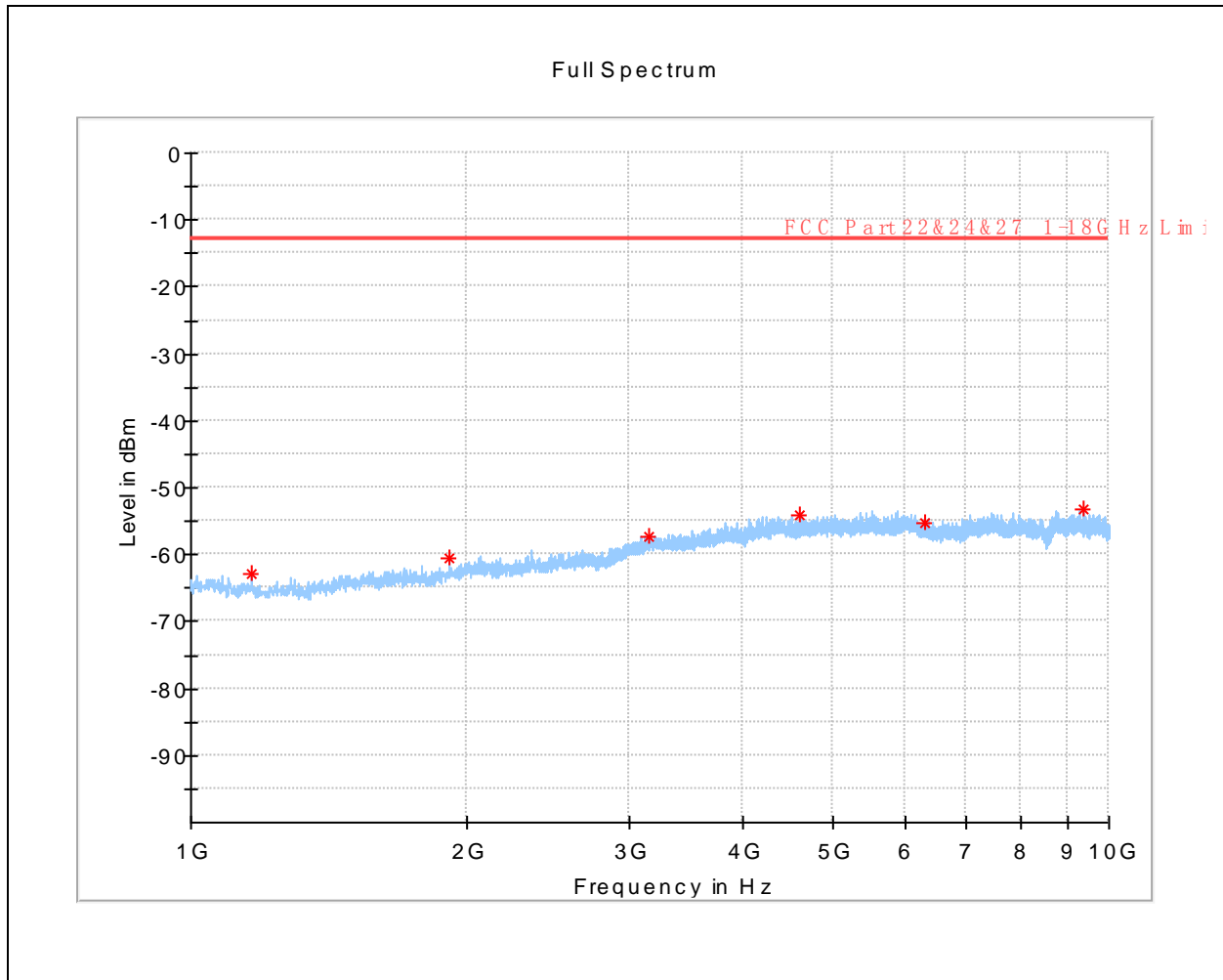


(1XEVD0 Rev 0 BC 0 \_ CH 777 \_ 1GHz to 10GHz \_ Horizontal)

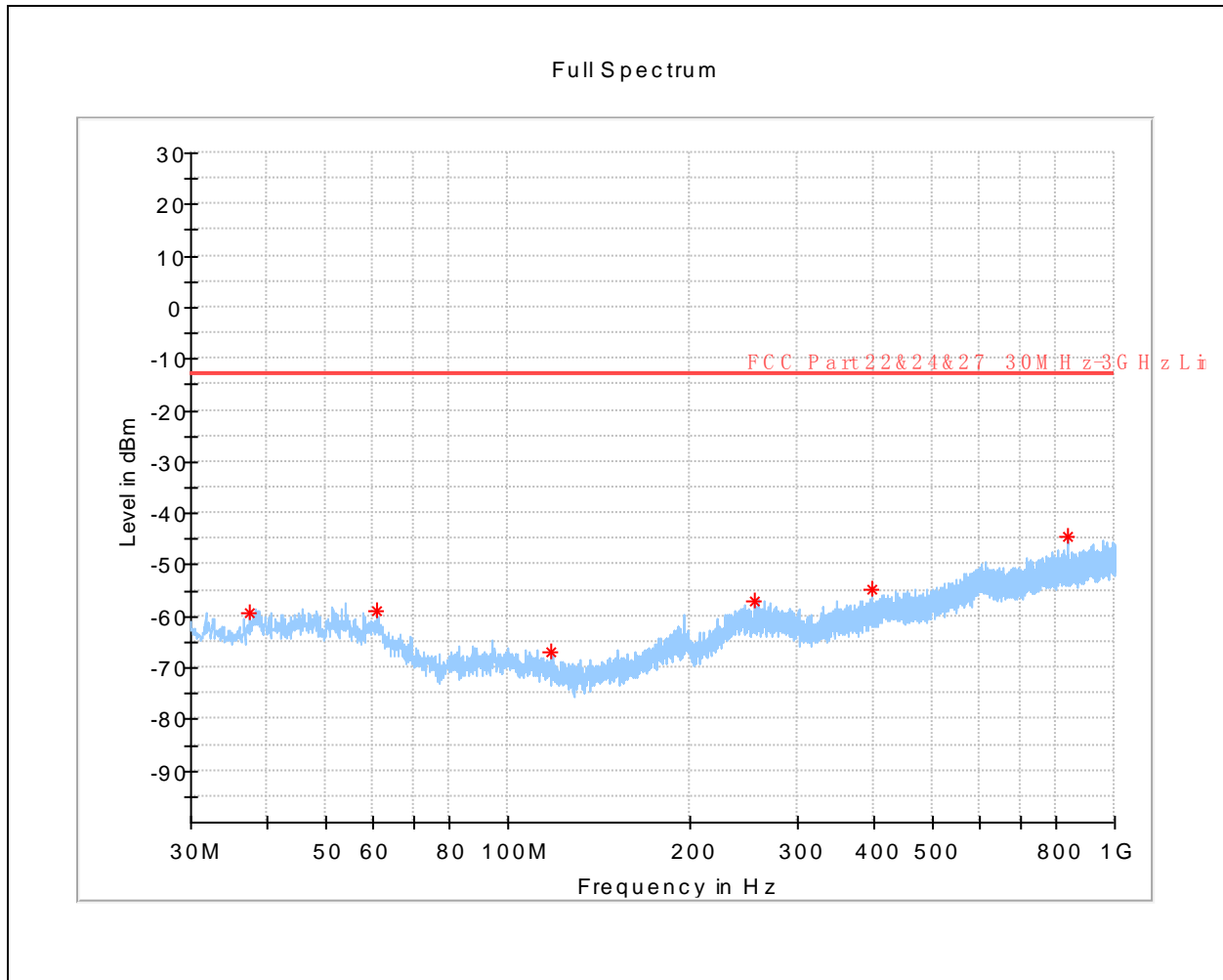
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1169.875000	-62.61	-13.00	49.61	H	-112.1
2022.625000	-59.00	-13.00	46.00	H	-107.5
3044.125000	-54.64	-13.00	41.64	H	-102.8
4885.750000	-51.57	-13.00	38.57	H	-98.5
6150.250000	-50.83	-13.00	37.83	H	-97.9
8867.125000	-52.74	-13.00	39.74	H	-98.0



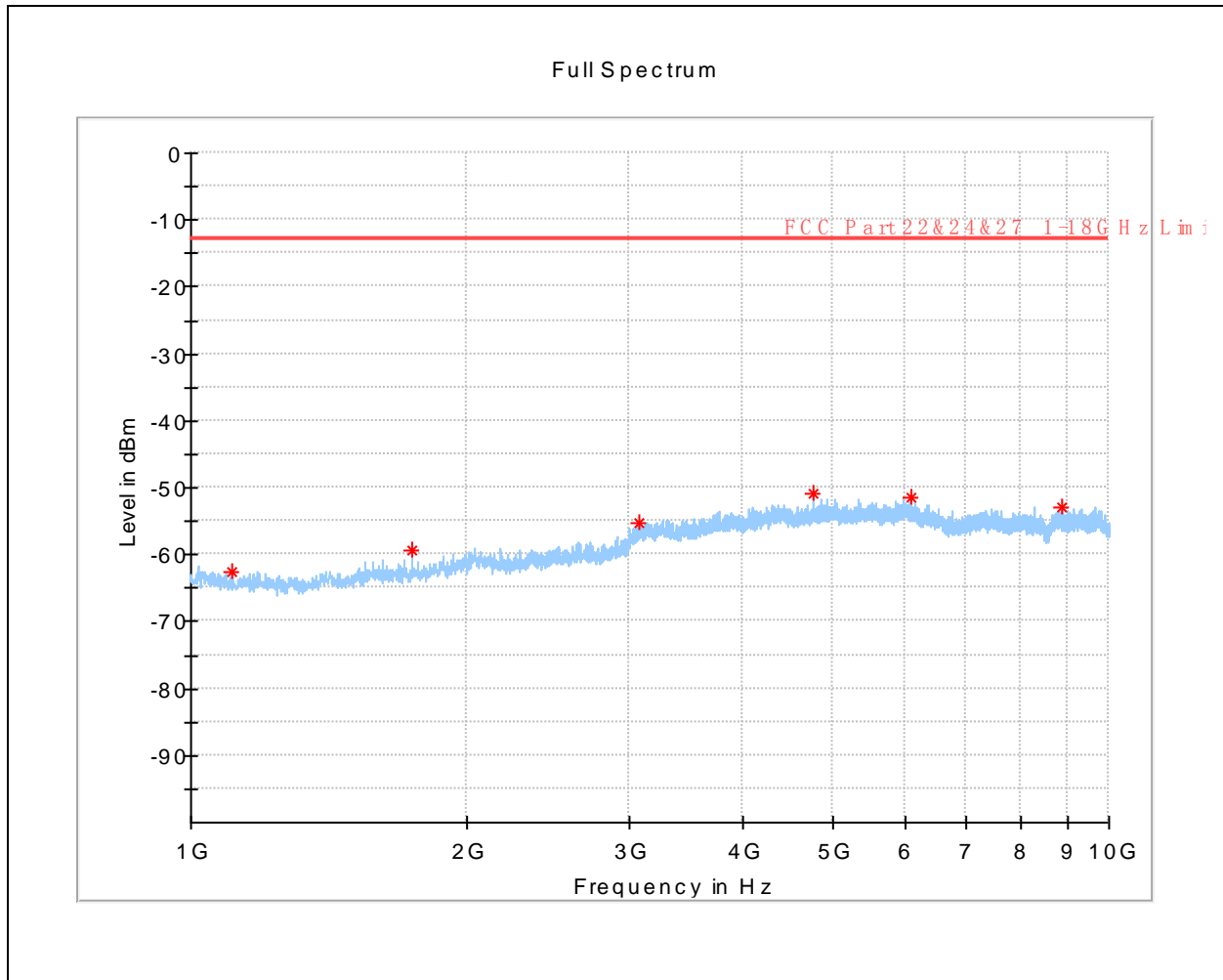
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
60.749000	-61.49	-13.00	48.49	V	-82.4
108.182000	-55.49	-13.00	42.49	V	-74.9
194.560500	-63.25	-13.00	50.25	V	-81.4
330.991000	-57.77	-13.00	44.77	V	-76.4
498.413000	-53.94	-13.00	40.94	V	-73.7
824.818000	-43.49	-13.00	30.49	V	-68.2



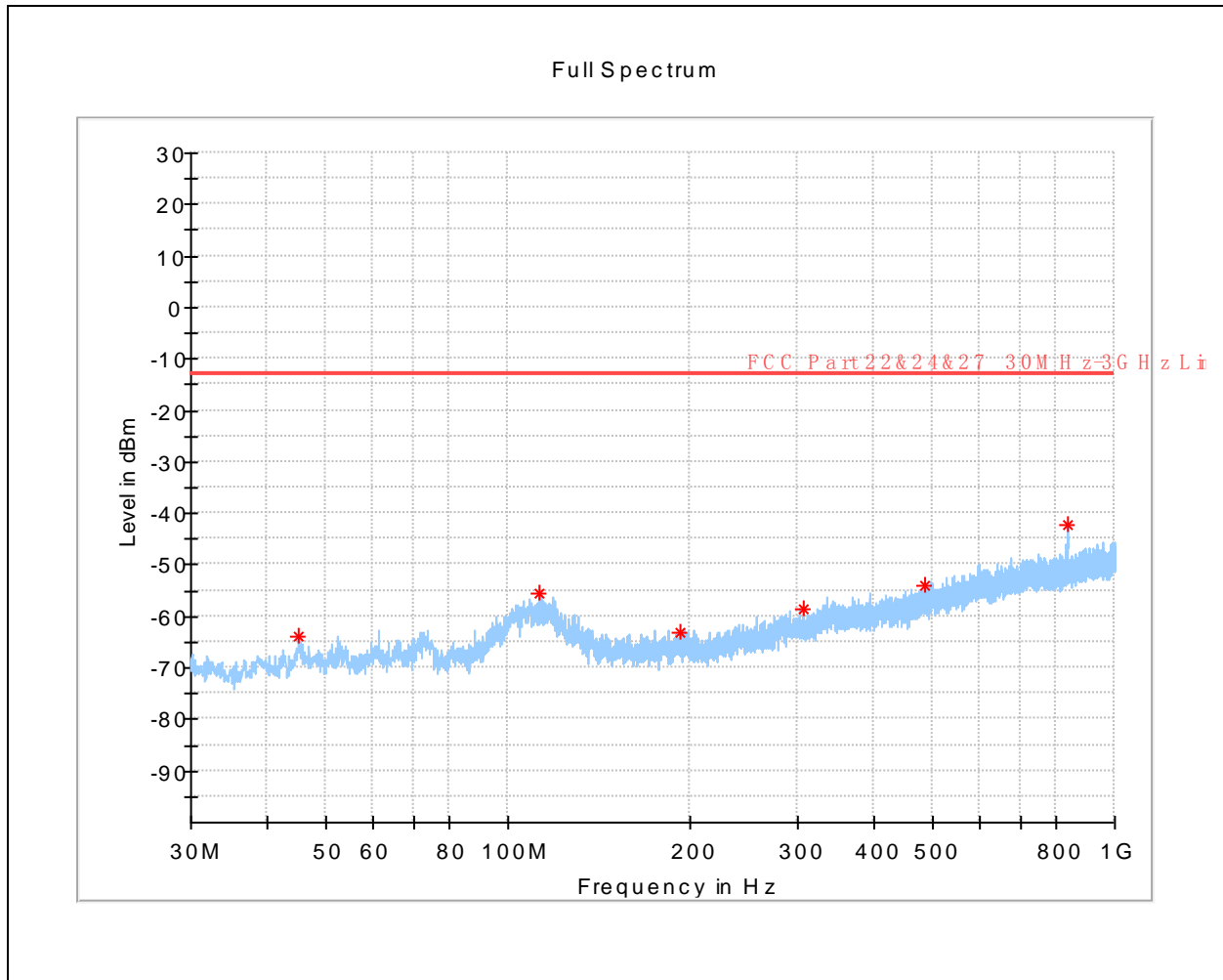
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1165.375000	-62.92	-13.00	49.92	V	-113.2
1914.625000	-60.63	-13.00	47.63	V	-109.8
3158.875000	-57.21	-13.00	44.21	V	-103.9
4604.500000	-54.02	-13.00	41.02	V	-101.1
6313.375000	-55.25	-13.00	42.25	V	-100.2
9394.750000	-53.15	-13.00	40.15	V	-98.9



Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
37.469000	-59.22	-13.00	46.22	H	-77.7
60.652000	-58.85	-13.00	45.85	H	-77.9
117.930500	-67.05	-13.00	54.05	H	-85.8
254.458000	-56.94	-13.00	43.94	H	-77.2
398.794000	-54.66	-13.00	41.66	H	-75.8
834.130000	-44.60	-13.00	31.60	H	-68.3

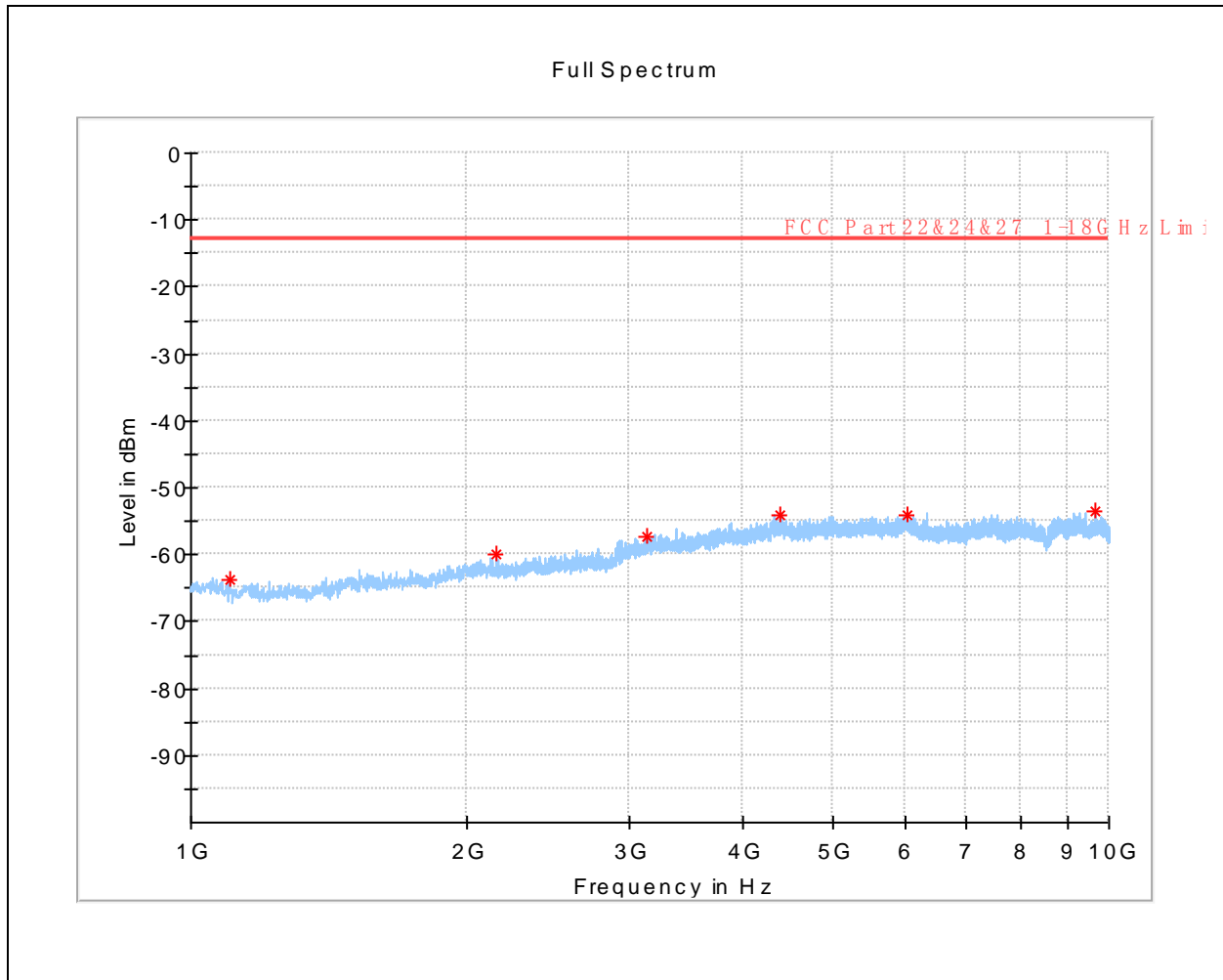


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1110.250000	-62.69	-13.00	49.69	H	-112.4
1739.125000	-59.34	-13.00	46.34	H	-109.8
3083.500000	-55.34	-13.00	42.34	H	-102.7
4768.750000	-50.99	-13.00	37.99	H	-98.5
6076.000000	-51.43	-13.00	38.43	H	-97.5
8891.875000	-52.84	-13.00	39.84	H	-97.9

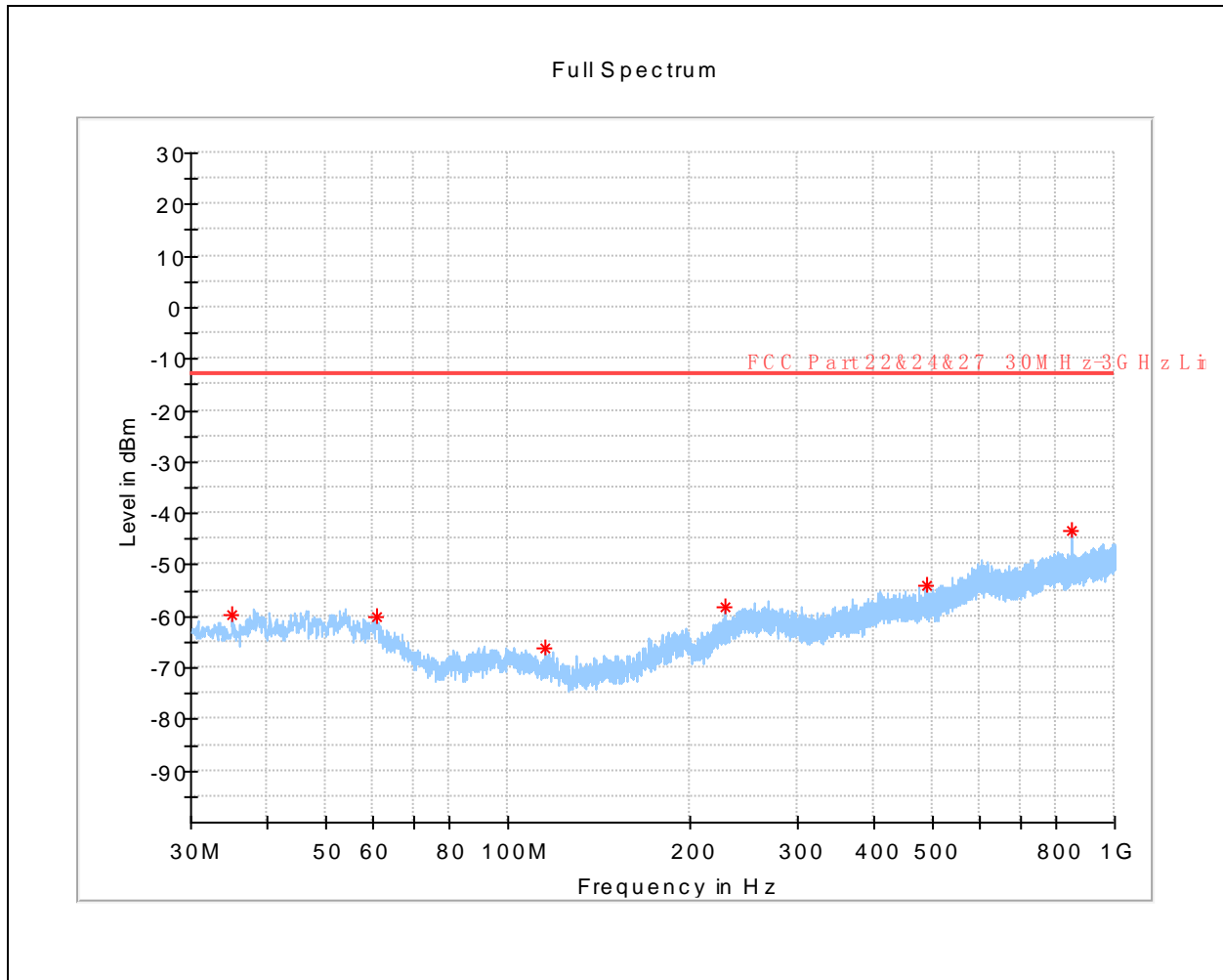


(1XEVD0 Rev A BC 0 \_ CH 1013 \_ 30MHz to 1GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
45.132000	-63.95	-13.00	50.95	V	-83.0
112.983500	-55.52	-13.00	42.52	V	-75.5
192.669000	-63.27	-13.00	50.27	V	-82.1
306.450000	-58.56	-13.00	45.56	V	-78.4
485.415000	-54.14	-13.00	41.14	V	-74.0
834.081500	-42.23	-13.00	29.23	V	-68.2



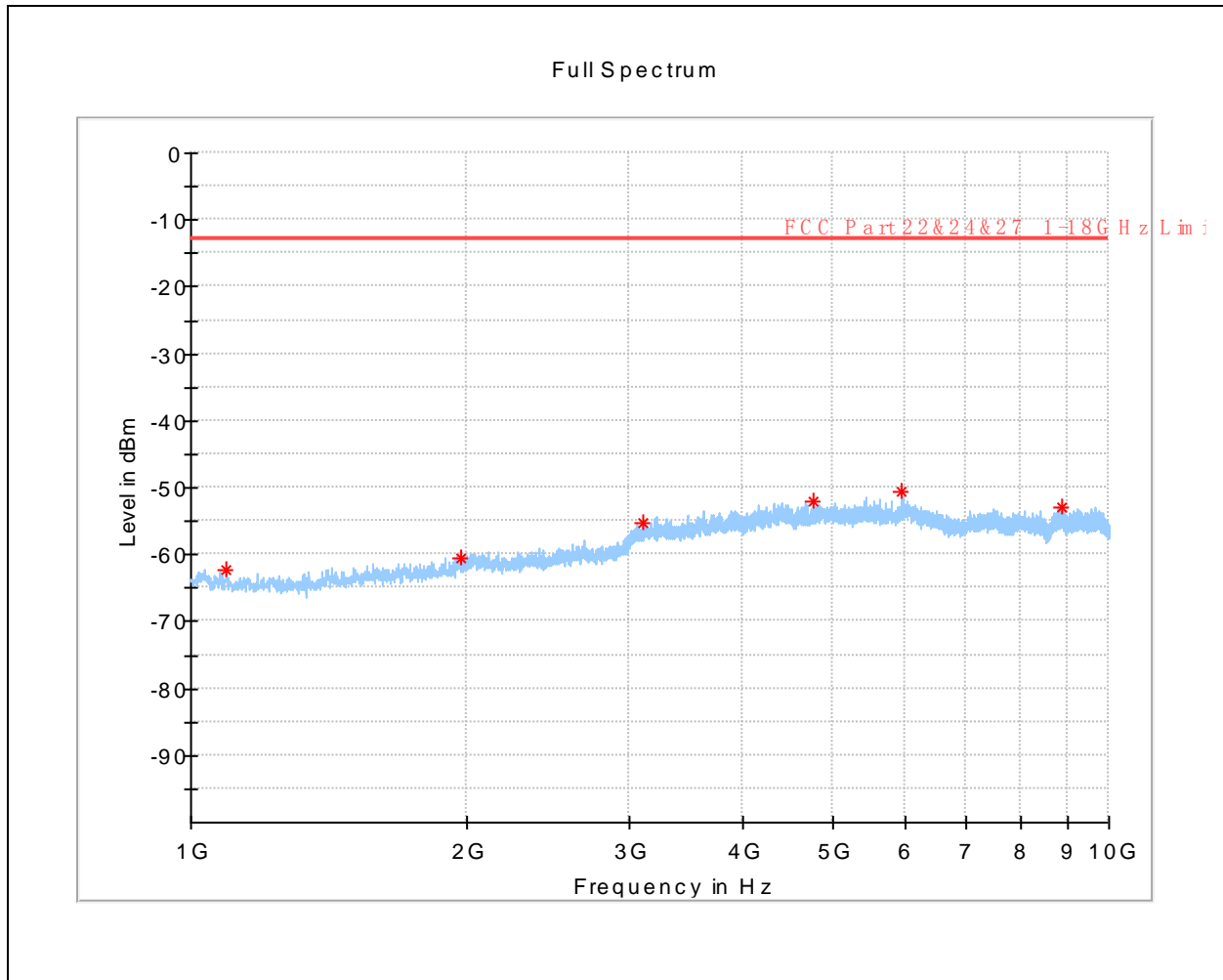
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1101.250000	-63.63	-13.00	50.63	V	-113.1
2147.500000	-59.80	-13.00	46.80	V	-109.0
3139.750000	-57.29	-13.00	44.29	V	-103.9
4376.125000	-54.09	-13.00	41.09	V	-100.7
6025.375000	-54.07	-13.00	41.07	V	-99.3
9663.625000	-53.65	-13.00	40.65	V	-98.8



(1XEVD0 Rev A BC 0 \_ CH 384 \_ 30MHz to 1GHz \_ Horizontal)

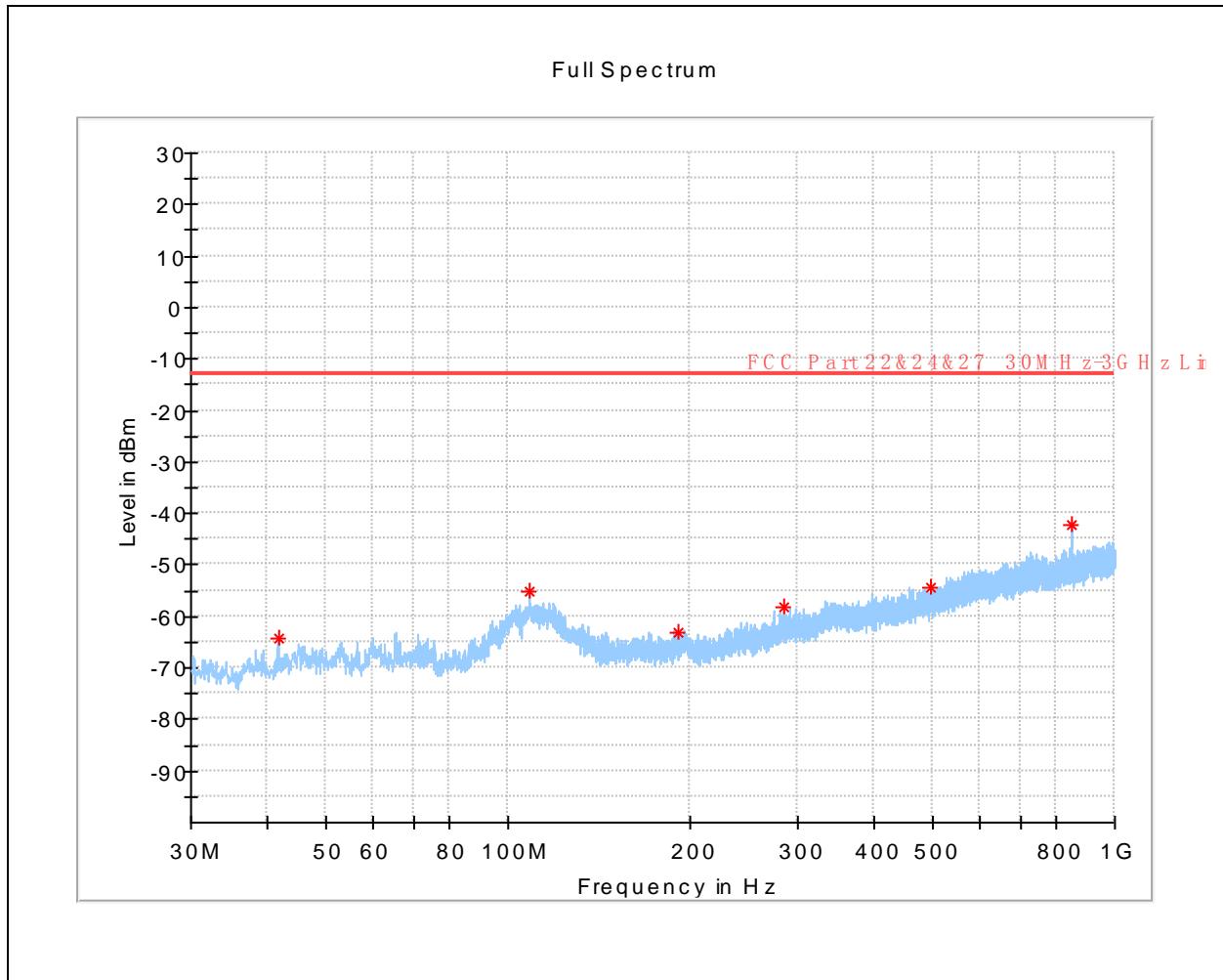
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
35.141000	-59.81	-13.00	46.81	H	-79.5
60.555000	-59.92	-13.00	46.92	H	-77.8
114.972000	-66.30	-13.00	53.30	H	-85.9
228.753000	-58.16	-13.00	45.16	H	-78.8
489.828500	-54.18	-13.00	41.18	H	-74.9
848.486000	-43.32	-13.00	30.32	H	-68.2



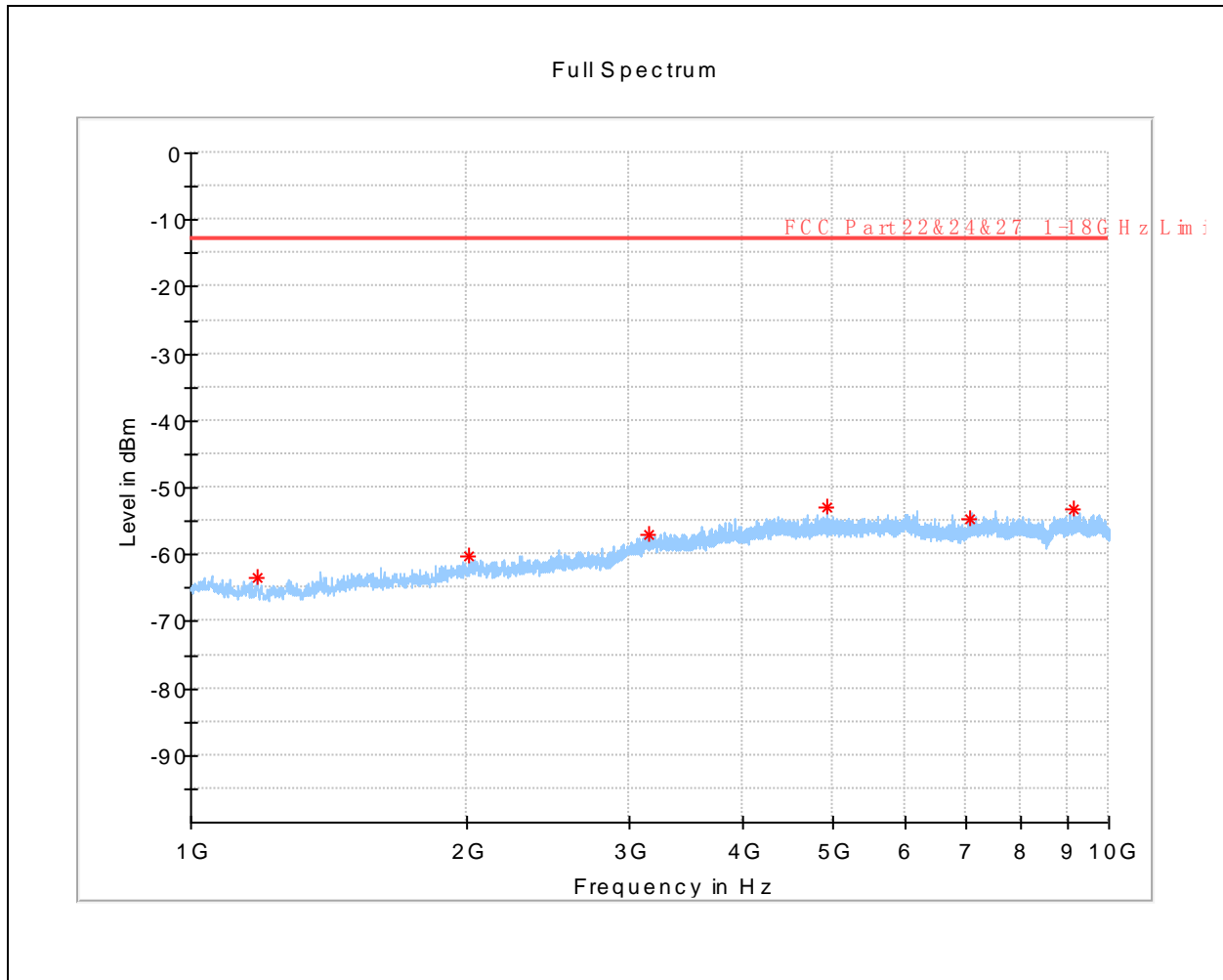


(1XEVD0 Rev A BC 0 \_ CH 384 \_ 1GHz to 10GHz \_ Horizontal)

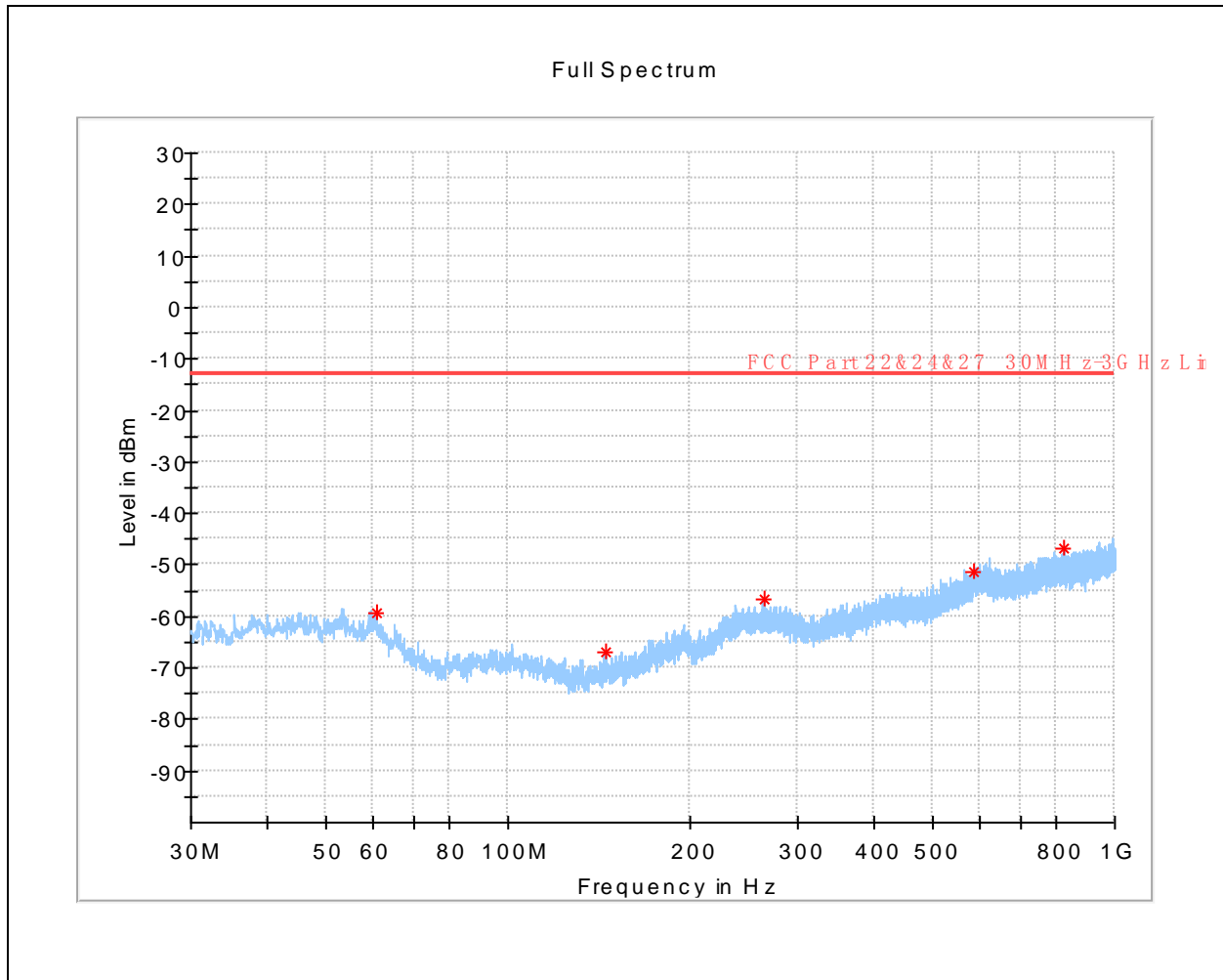
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1092.250000	-62.21	-13.00	49.21	H	-111.6
1967.500000	-60.51	-13.00	47.51	H	-108.3
3101.500000	-55.37	-13.00	42.37	H	-102.7
4756.375000	-51.97	-13.00	38.97	H	-98.7
5948.875000	-50.62	-13.00	37.62	H	-97.5
8875.000000	-52.88	-13.00	39.88	H	-98.0



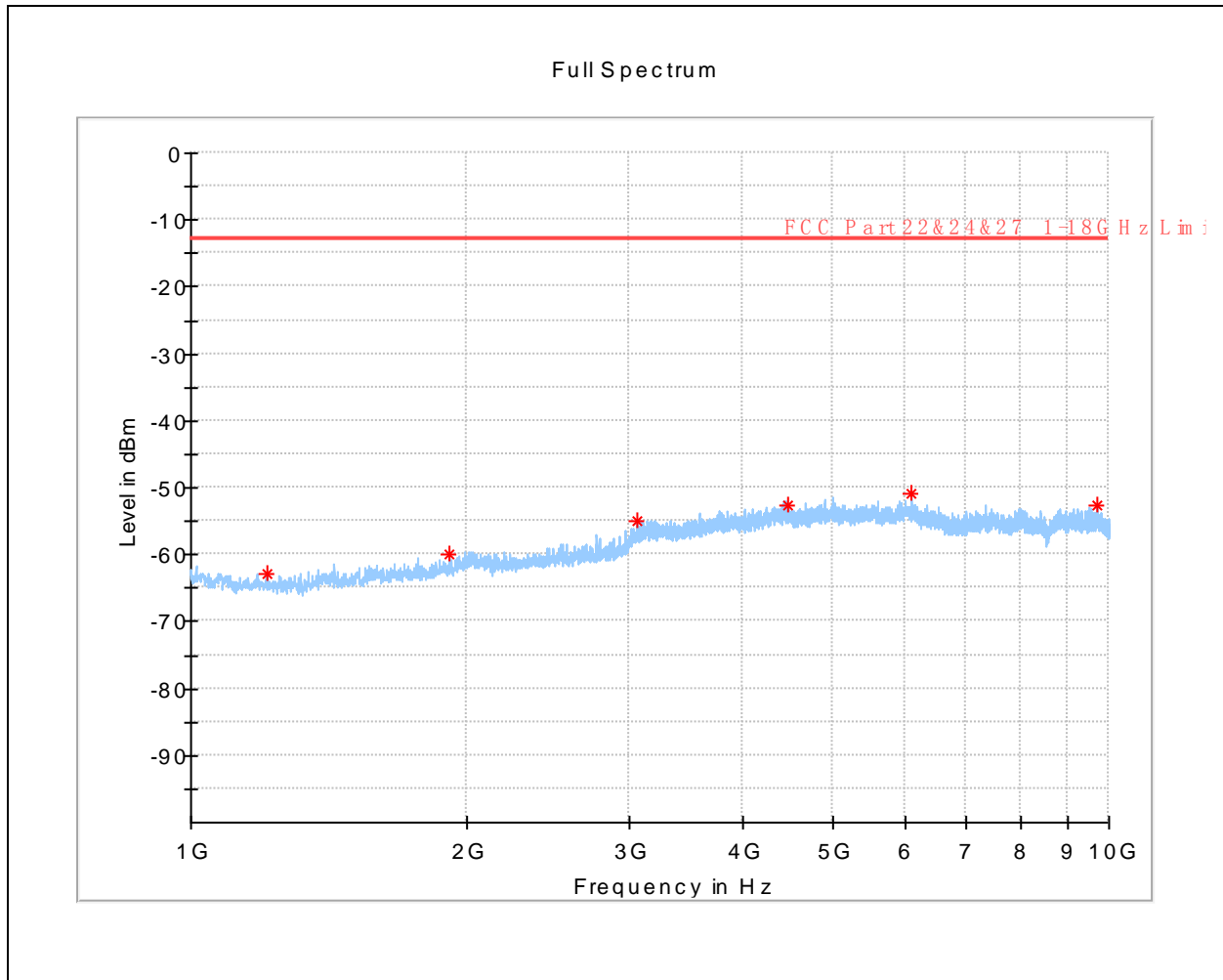
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
41.834000	-64.11	-13.00	51.11	V	-85.3
108.715500	-55.18	-13.00	42.18	V	-75.0
191.165500	-63.17	-13.00	50.17	V	-82.2
285.401000	-58.12	-13.00	45.12	V	-78.8
499.092000	-54.31	-13.00	41.31	V	-73.7
848.001000	-42.13	-13.00	29.13	V	-68.3



Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1181.125000	-63.46	-13.00	50.46	V	-113.5
2004.625000	-60.15	-13.00	47.15	V	-108.8
3156.625000	-57.01	-13.00	44.01	V	-103.9
4935.250000	-53.02	-13.00	40.02	V	-100.2
7046.875000	-54.79	-13.00	41.79	V	-99.9
9167.500000	-53.33	-13.00	40.33	V	-99.0

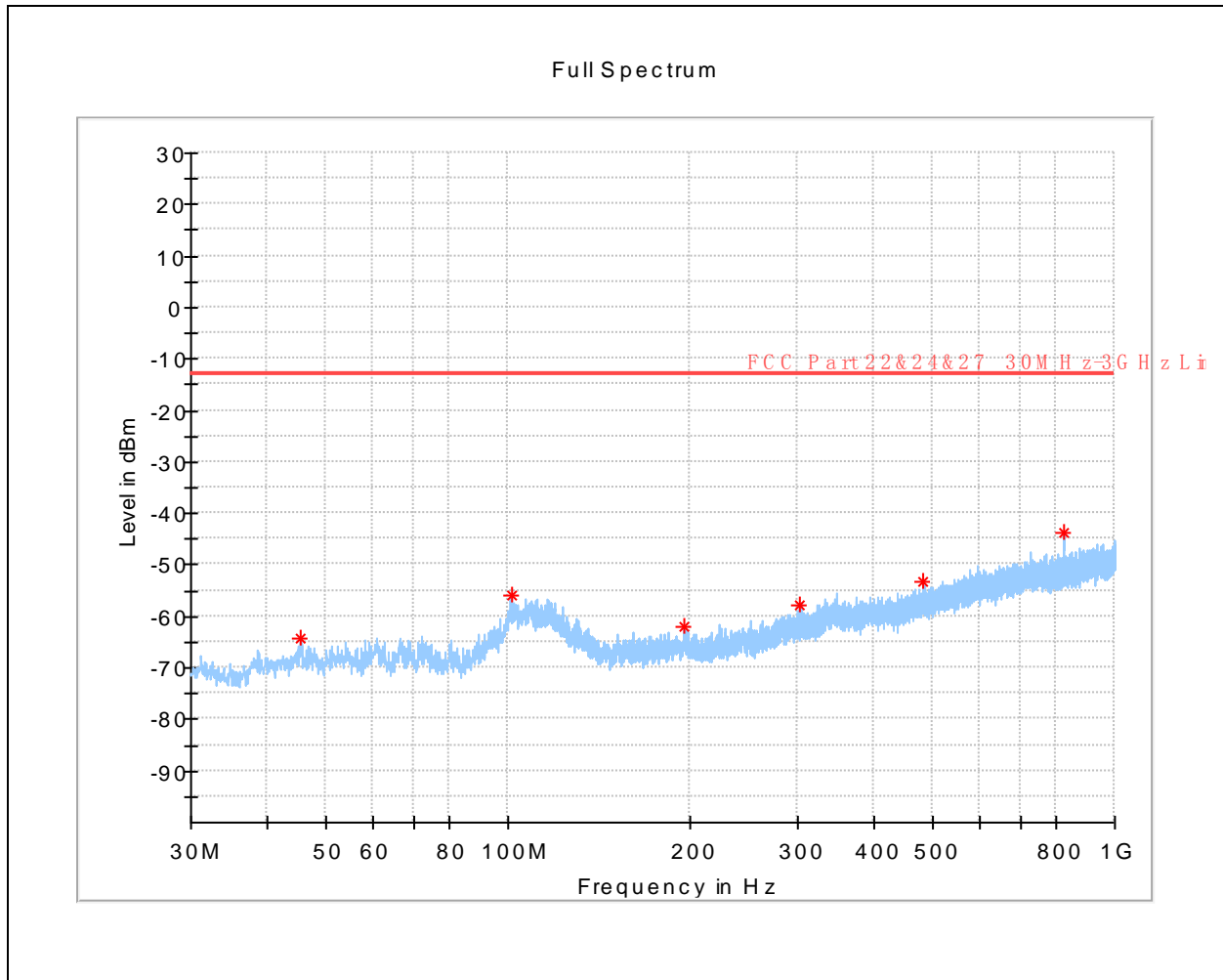


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
60.797500	-59.27	-13.00	46.27	H	-77.9
144.605500	-67.06	-13.00	54.06	H	-86.4
264.061000	-56.75	-13.00	43.75	H	-76.9
584.015500	-51.39	-13.00	38.39	H	-70.9
824.381500	-46.64	-13.00	33.64	H	-67.9
60.797500	-59.27	-13.00	46.27	H	-77.9

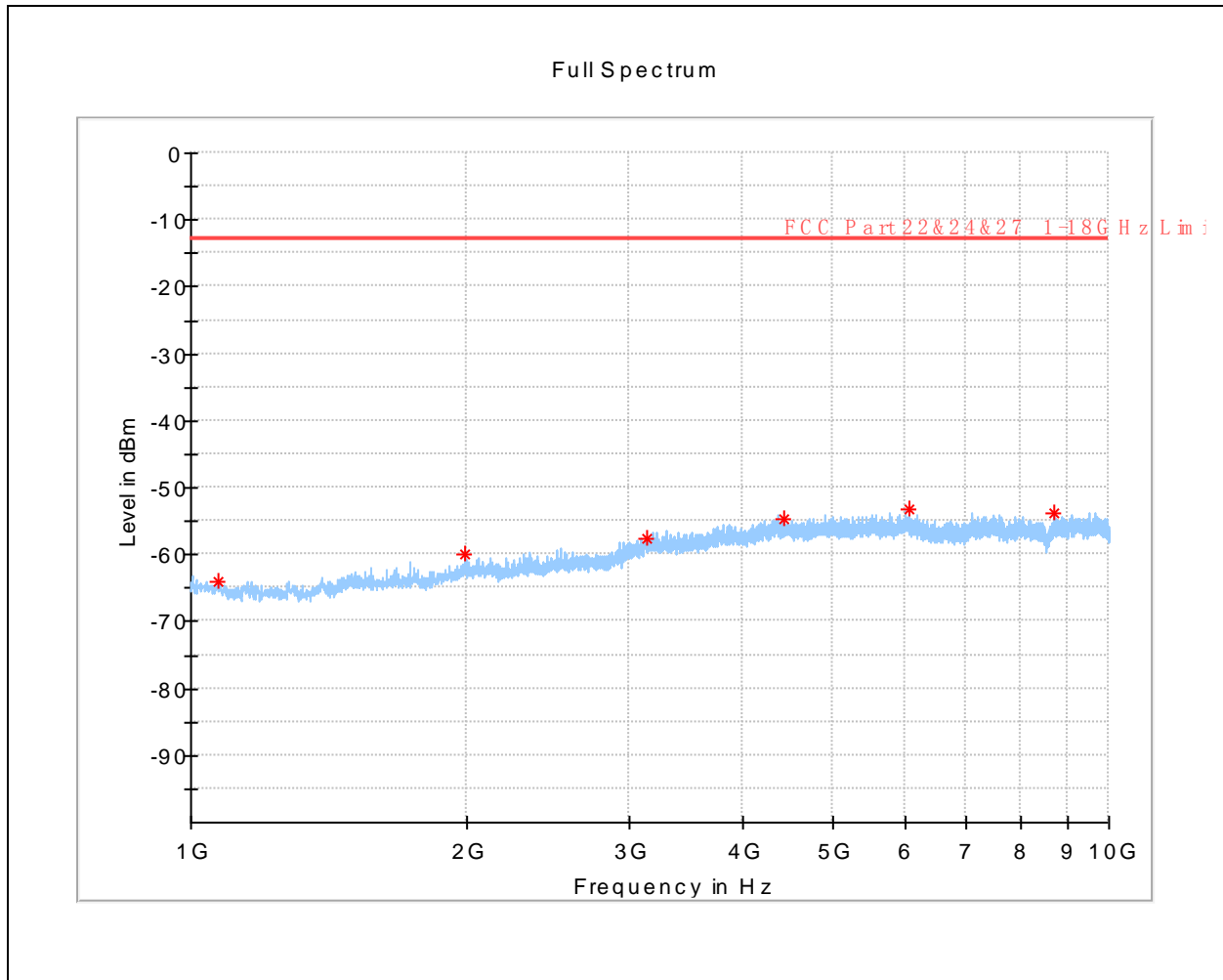


(1XEVD0 Rev A BC 0 \_ CH 777 \_ 1GHz to 10GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1208.125000	-62.89	-13.00	49.89	H	-112.0
1913.500000	-59.91	-13.00	46.91	H	-109.1
3063.250000	-54.89	-13.00	41.89	H	-102.8
4480.750000	-52.50	-13.00	39.50	H	-98.8
6105.250000	-50.81	-13.00	37.81	H	-97.9
9732.250000	-52.65	-13.00	39.65	H	-97.8

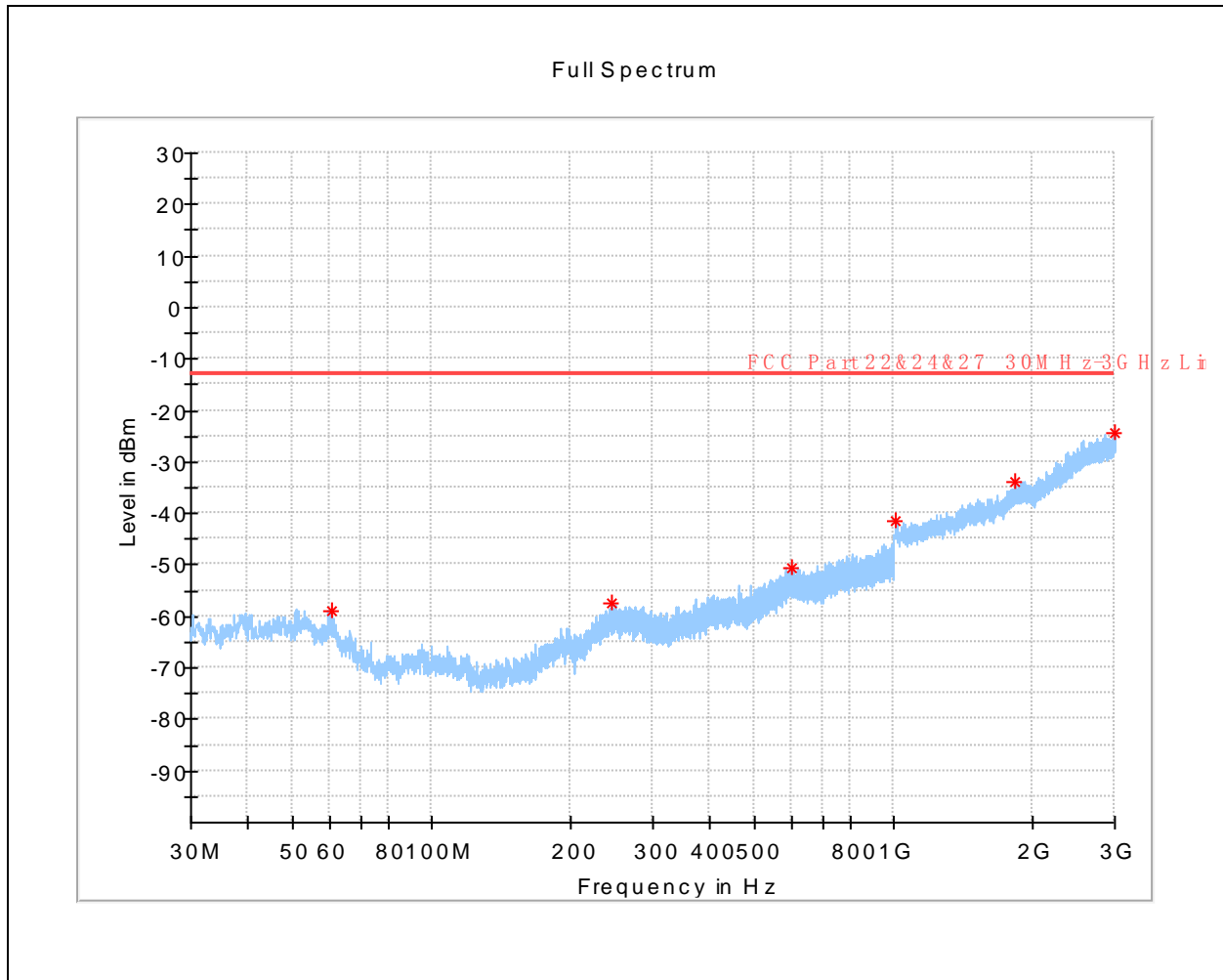


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
45.617000	-64.46	-13.00	51.46	V	-82.2
101.101000	-55.89	-13.00	42.89	V	-75.4
194.512000	-62.07	-13.00	49.07	V	-81.4
302.376000	-57.76	-13.00	44.76	V	-78.2
482.214000	-53.23	-13.00	40.23	V	-74.0
824.915000	-43.84	-13.00	30.84	V	-68.2



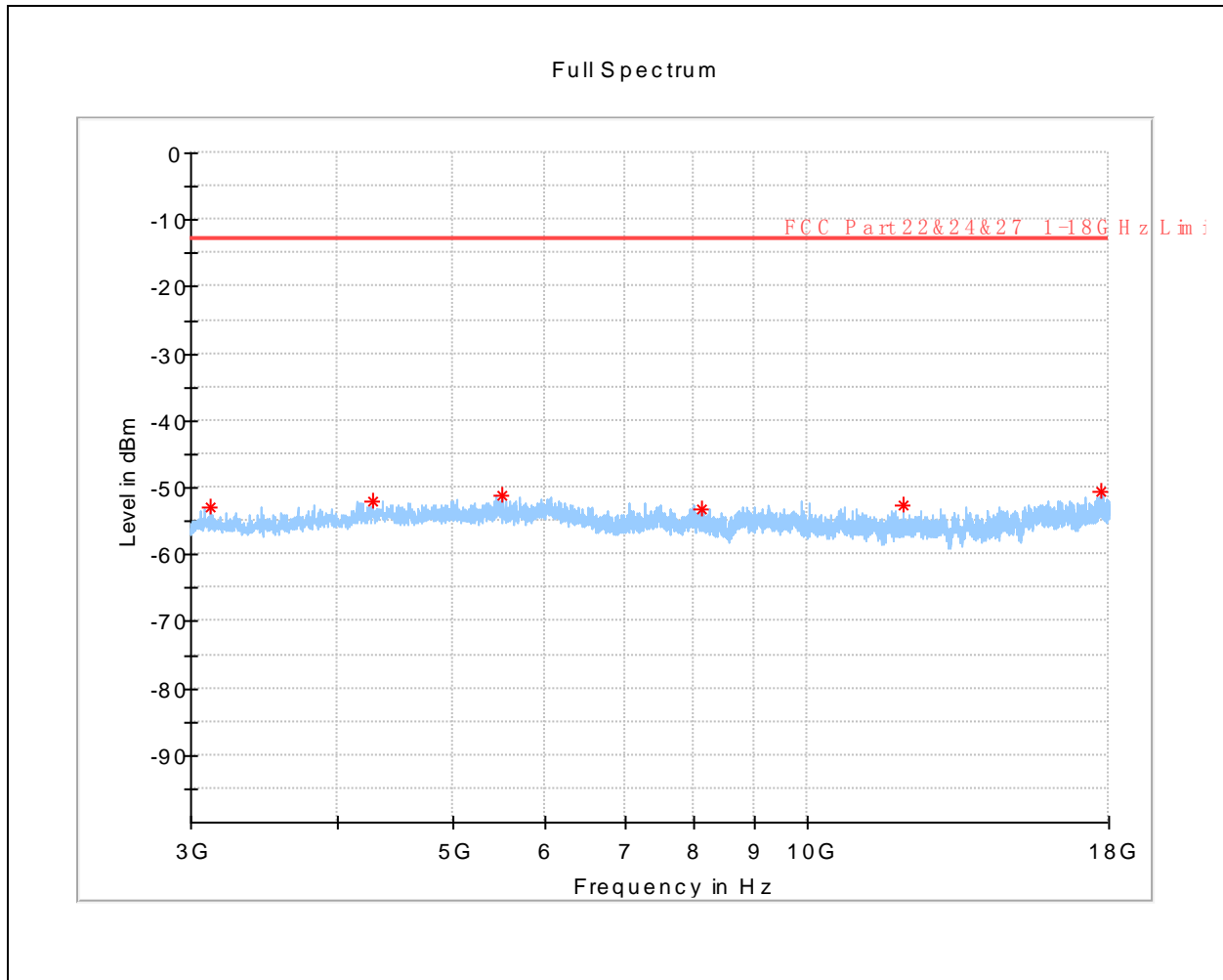
(1XEVD0 Rev A BC 0 \_ CH 777 \_ 1GHz to 10GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
1069.750000	-63.95	-13.00	50.95	V	-112.7
1986.625000	-59.85	-13.00	46.85	V	-109.0
3134.125000	-57.50	-13.00	44.50	V	-104.0
4429.000000	-54.65	-13.00	41.65	V	-101.1
6056.875000	-53.32	-13.00	40.32	V	-99.3
8725.375000	-53.73	-13.00	40.73	V	-99.1



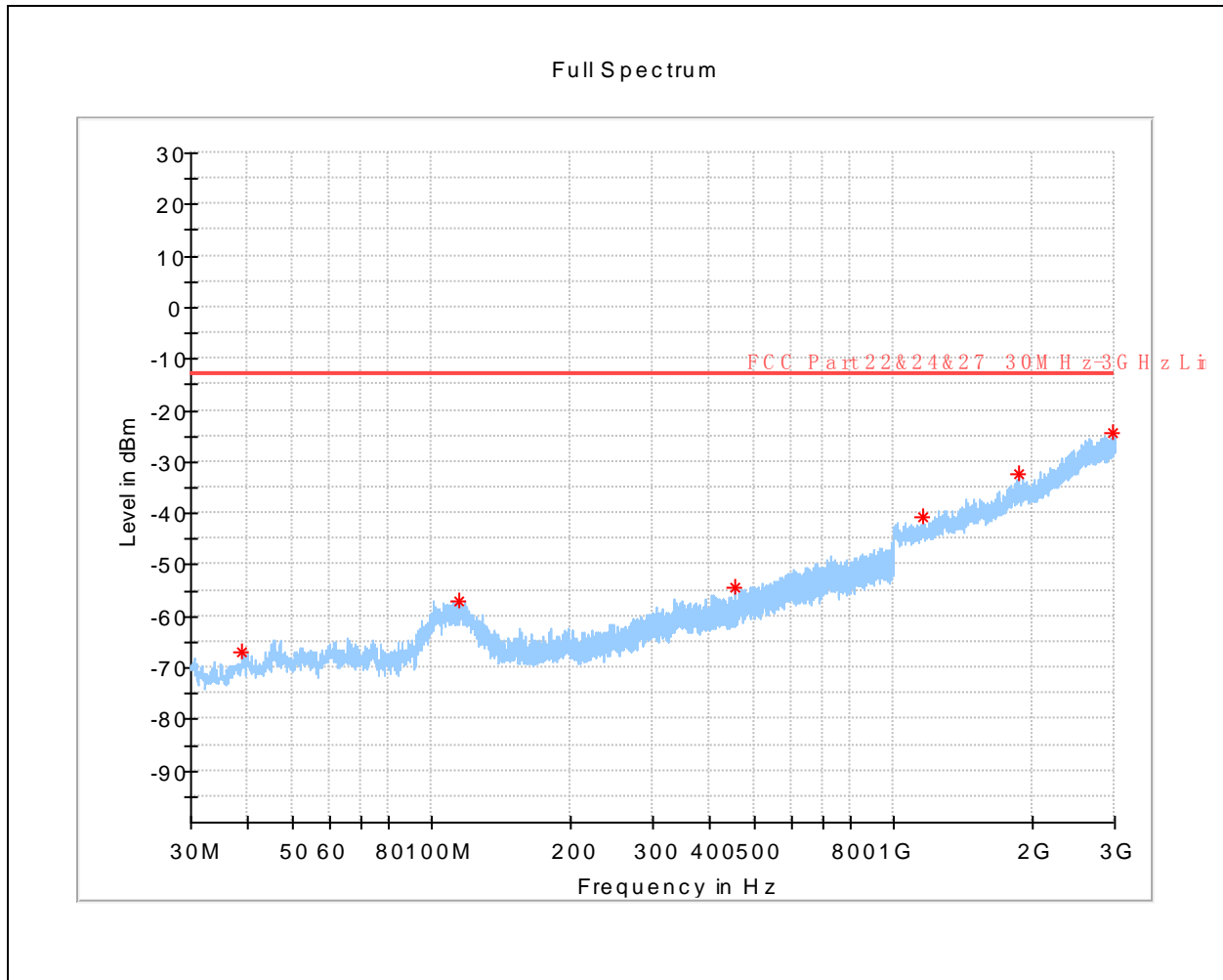
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
60.312500	-59.05	-13.00	46.05	H	-77.4
243.594000	-57.36	-13.00	44.36	H	-77.3
598.129000	-50.52	-13.00	37.52	H	-70.3
1001.500000	-41.47	-13.00	28.47	H	-66.6
1832.500000	-33.86	-13.00	20.86	H	-59.0
2993.000000	-24.21	-13.00	11.21	H	-50.3



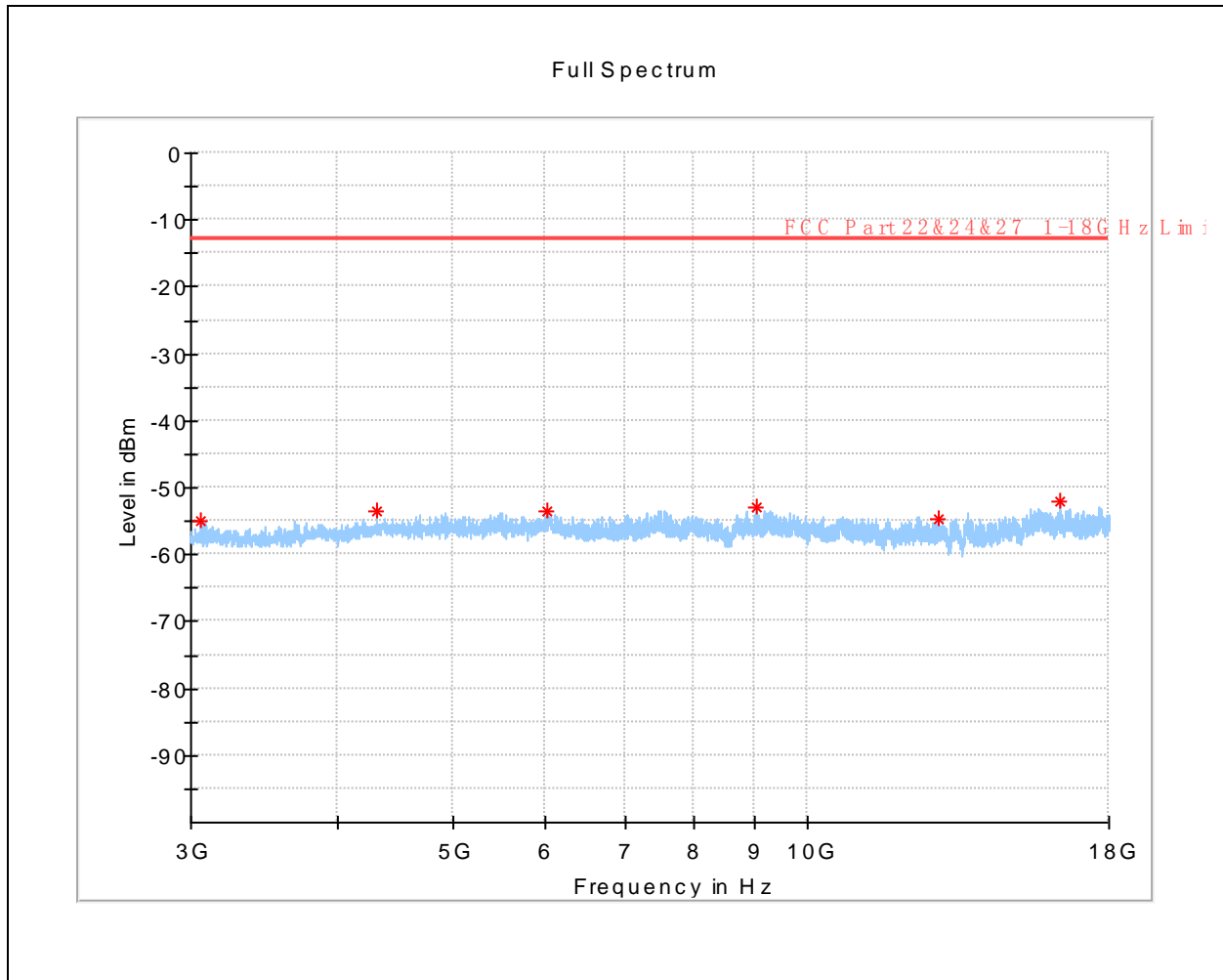


(CDMA BC 1 \_ CH 25 \_ 3GHz to 18GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3116.250000	-52.96	-13.00	39.96	H	-99.8
4275.000000	-52.10	-13.00	39.10	H	-97.8
5516.250000	-51.14	-13.00	38.14	H	-96.8
8122.500000	-53.16	-13.00	40.16	H	-97.1
12054.375000	-52.59	-13.00	39.59	H	-95.3
17720.625000	-50.46	-13.00	37.46	H	-89.9

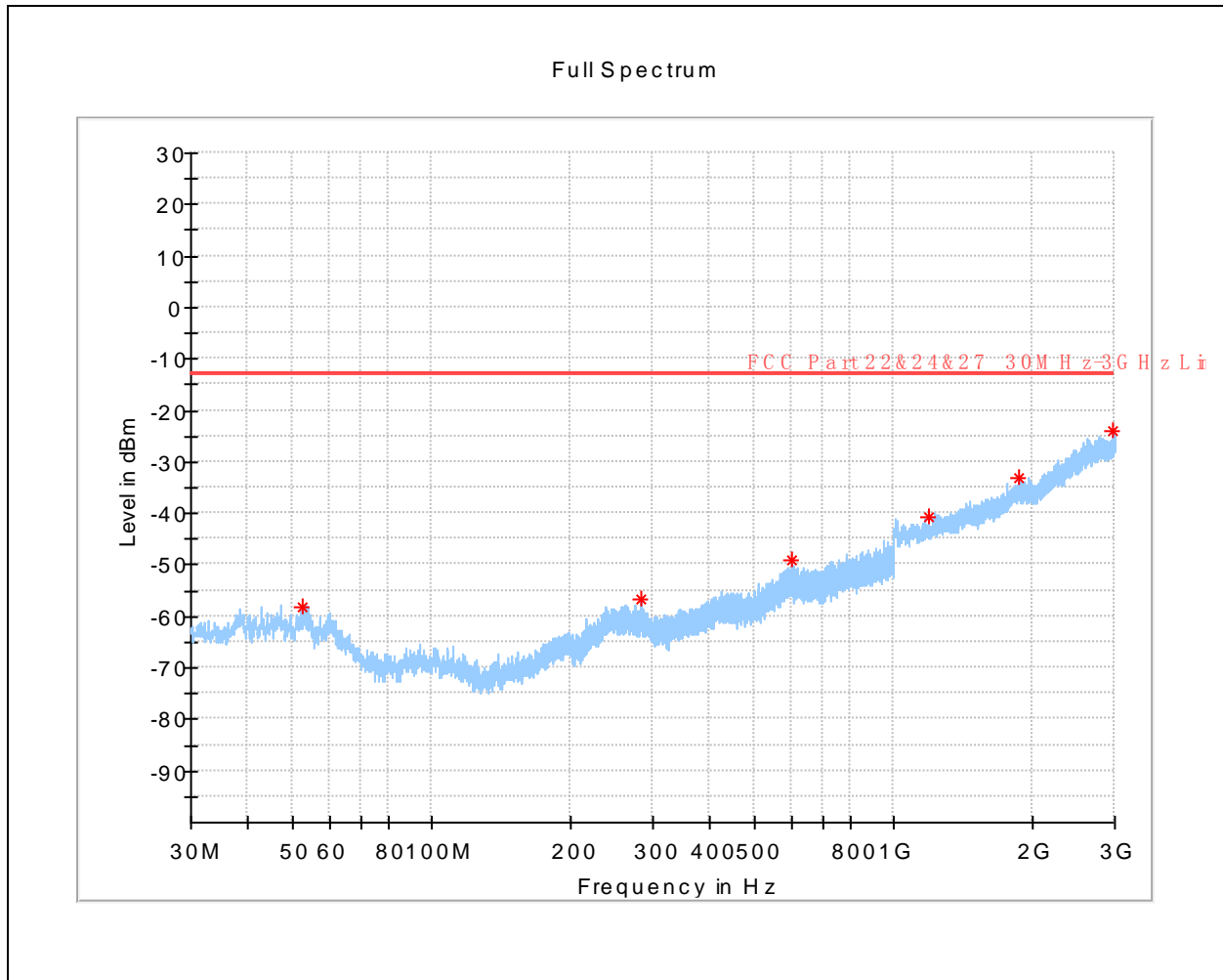


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
38.778500	-66.86	-13.00	53.86	V	-85.0
114.099000	-56.90	-13.00	43.90	V	-75.5
451.465000	-54.49	-13.00	41.49	V	-75.7
1150.500000	-40.82	-13.00	27.82	V	-65.2
1864.500000	-32.46	-13.00	19.46	V	-58.7
2964.000000	-24.28	-13.00	11.28	V	-50.5



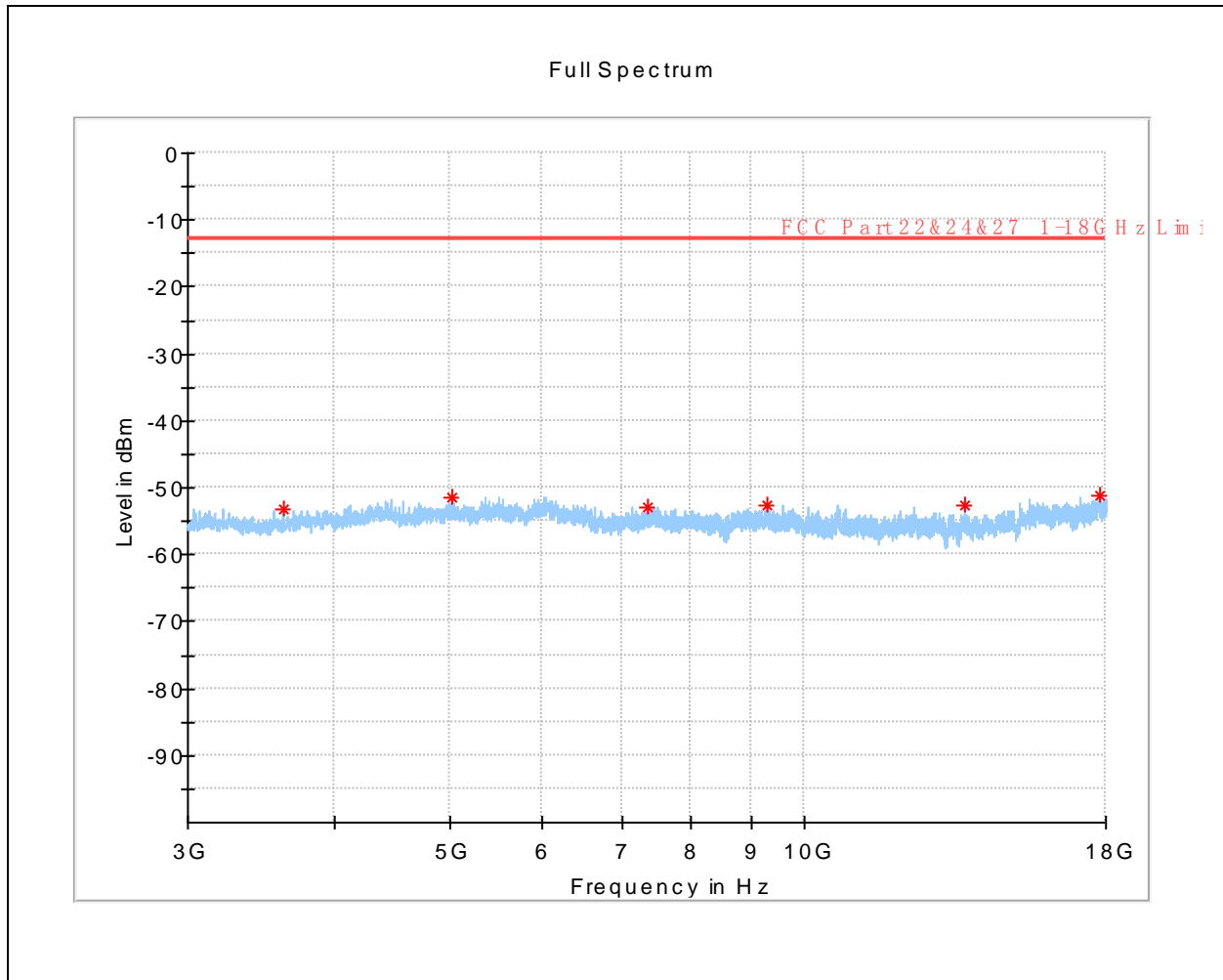
(CDMA BC 1 \_ CH 25 \_ 3GHz to 18GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3056.250000	-54.88	-13.00	41.88	V	-102.2
4316.250000	-53.59	-13.00	40.59	V	-100.0
6024.375000	-53.49	-13.00	40.49	V	-98.1
9060.000000	-52.91	-13.00	39.91	V	-98.0
12918.750000	-54.57	-13.00	41.57	V	-95.9
16335.000000	-52.10	-13.00	39.10	V	-92.5



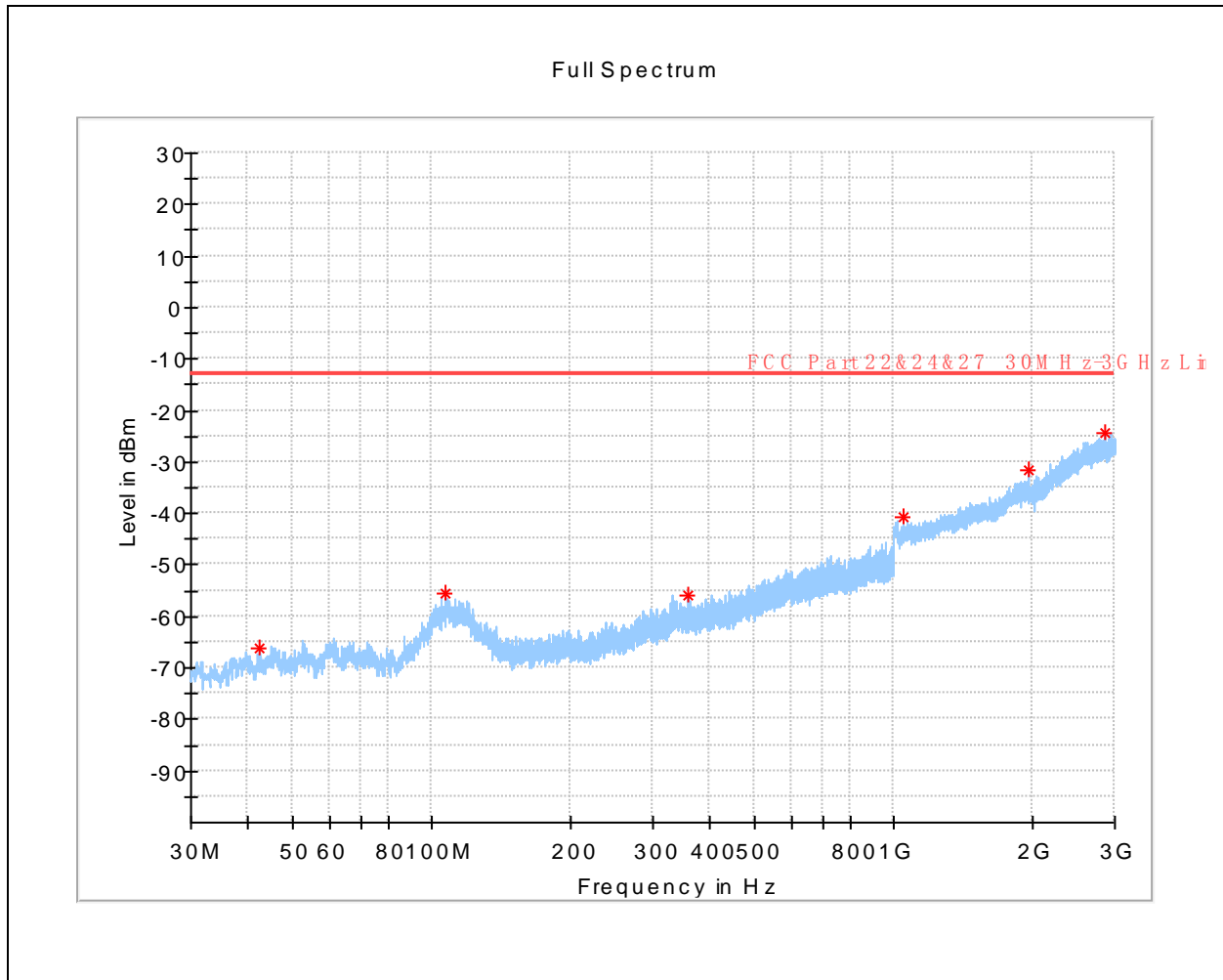
(CDMA BC 1 \_ CH 600 \_ 30MHz to 3GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
52.455500	-58.02	-13.00	45.02	H	-76.7
281.812000	-56.83	-13.00	43.83	H	-77.2
599.875000	-49.00	-13.00	36.00	H	-70.2
1191.500000	-40.56	-13.00	27.56	H	-64.9
1859.500000	-33.23	-13.00	20.23	H	-58.6
2973.000000	-23.79	-13.00	10.79	H	-50.6

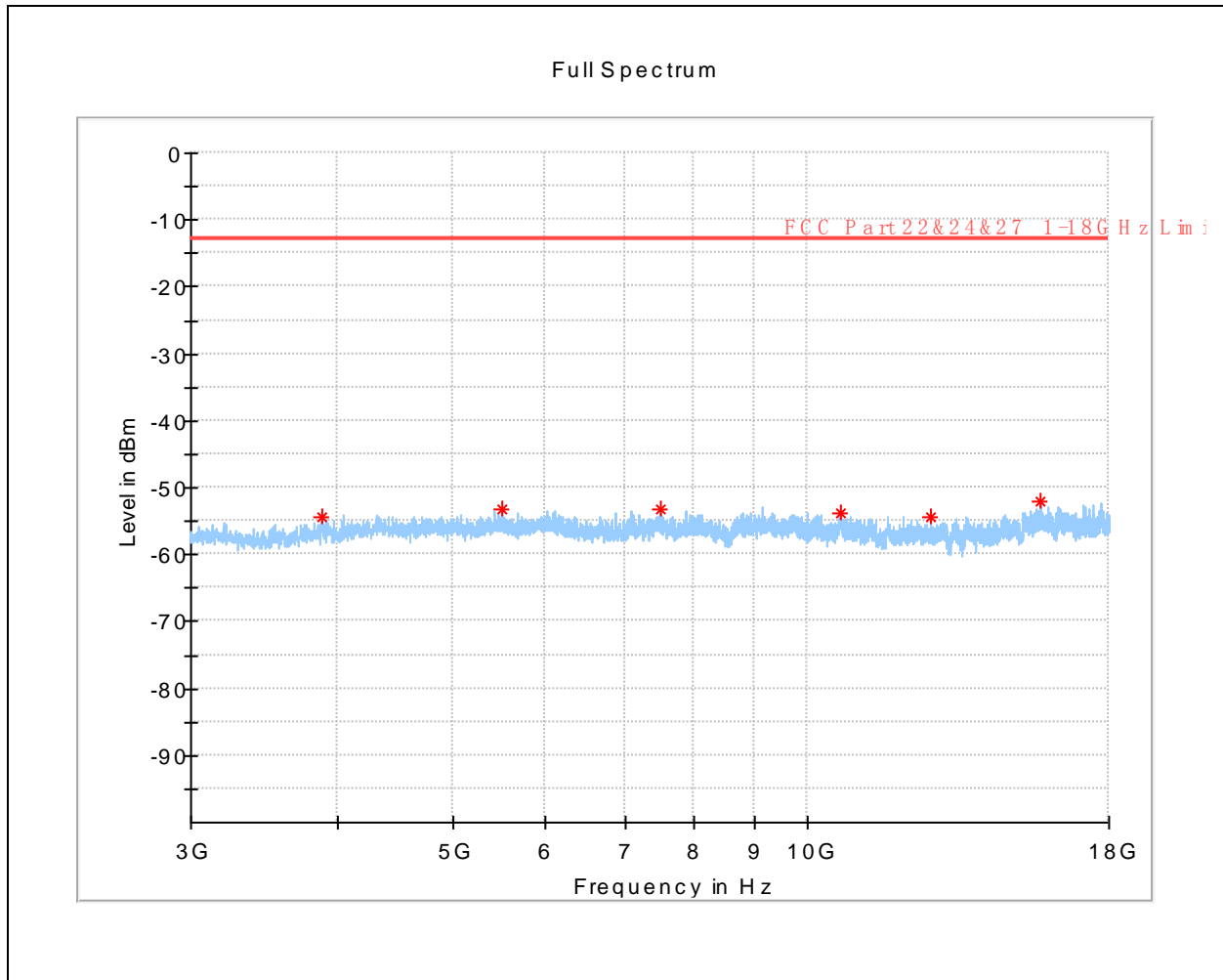


(CDMA BC 1 \_ CH 600 \_ 3GHz to 18GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3611.250000	-53.17	-13.00	40.17	H	-99.9
5019.375000	-51.34	-13.00	38.34	H	-97.0
7365.000000	-52.87	-13.00	39.87	H	-97.0
9296.250000	-52.55	-13.00	39.55	H	-96.8
13653.750000	-52.55	-13.00	39.55	H	-94.3
17771.250000	-51.06	-13.00	38.06	H	-89.6

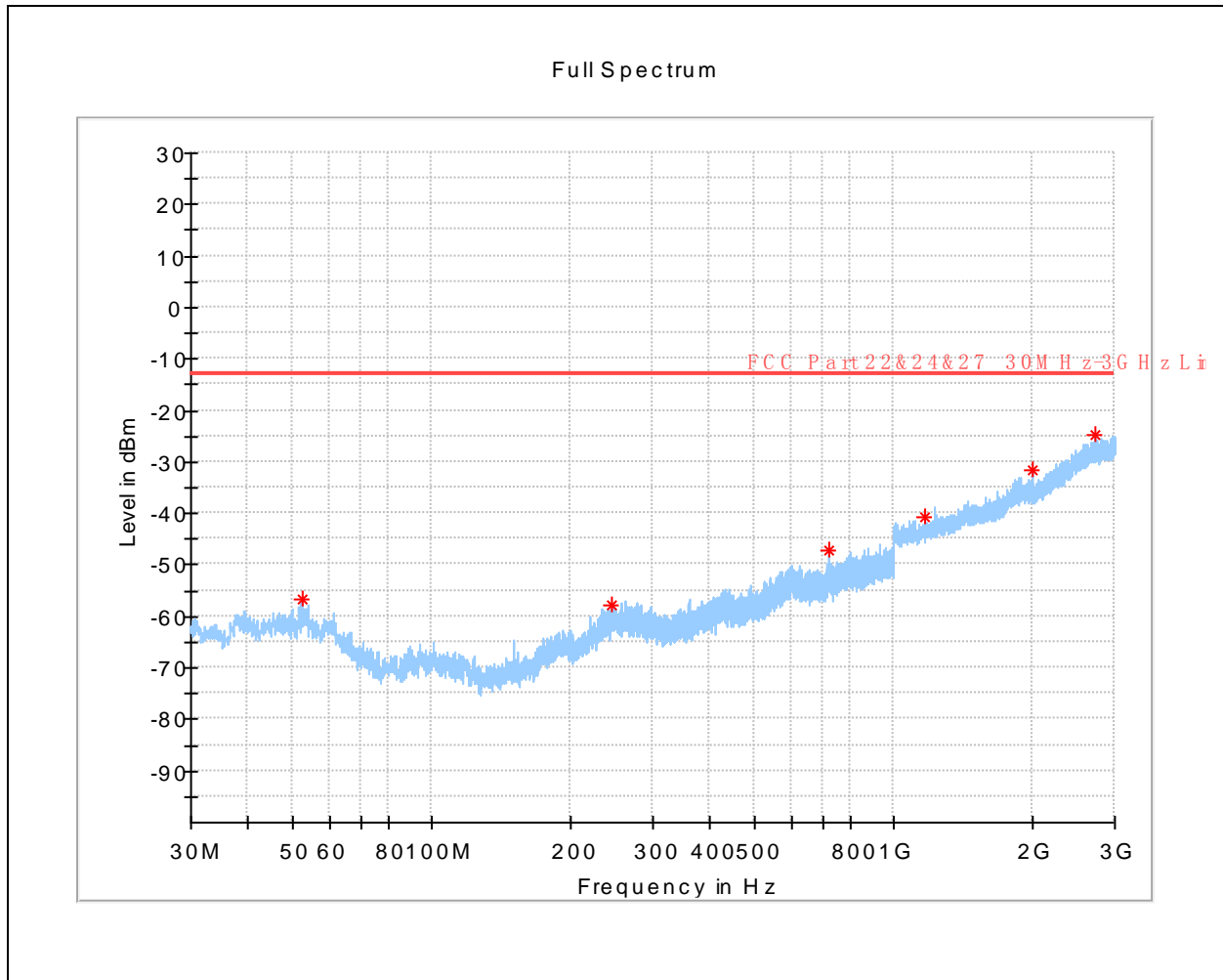


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
42.367500	-66.05	-13.00	53.05	V	-85.0
106.630000	-55.56	-13.00	42.56	V	-74.8
358.830000	-56.04	-13.00	43.04	V	-76.6
1049.000000	-40.78	-13.00	27.78	V	-65.4
1960.000000	-31.52	-13.00	18.52	V	-58.9
2850.000000	-24.22	-13.00	11.22	V	-51.7



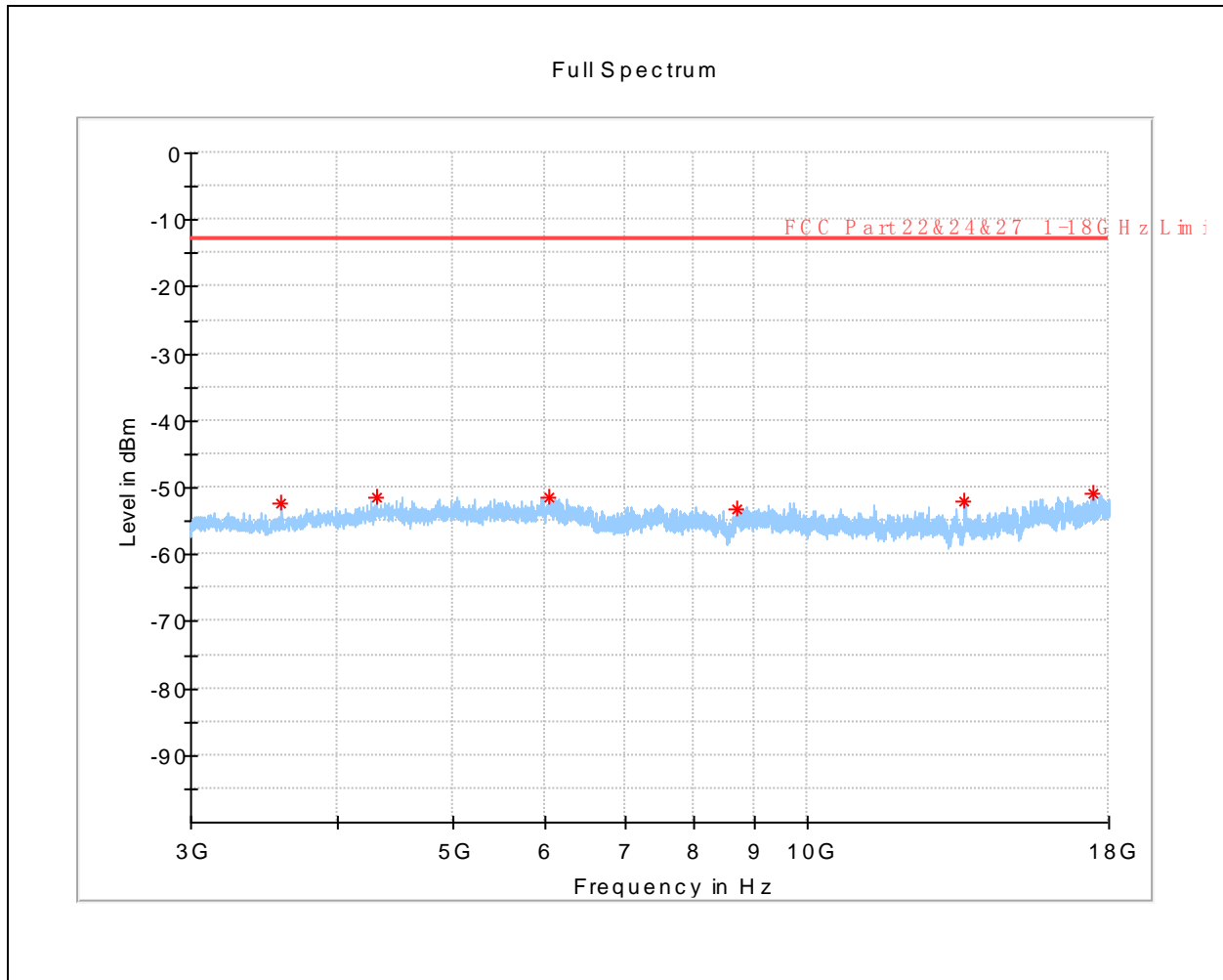
(CDMA BC 1 \_ CH 600 \_ 3GHz to 18GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3868.125000	-54.34	-13.00	41.34	V	-100.7
5497.500000	-53.29	-13.00	40.29	V	-98.8
7515.000000	-53.20	-13.00	40.20	V	-98.3
10661.250000	-53.79	-13.00	40.79	V	-97.3
12708.750000	-54.41	-13.00	41.41	V	-96.0
15757.500000	-51.97	-13.00	38.97	V	-93.0



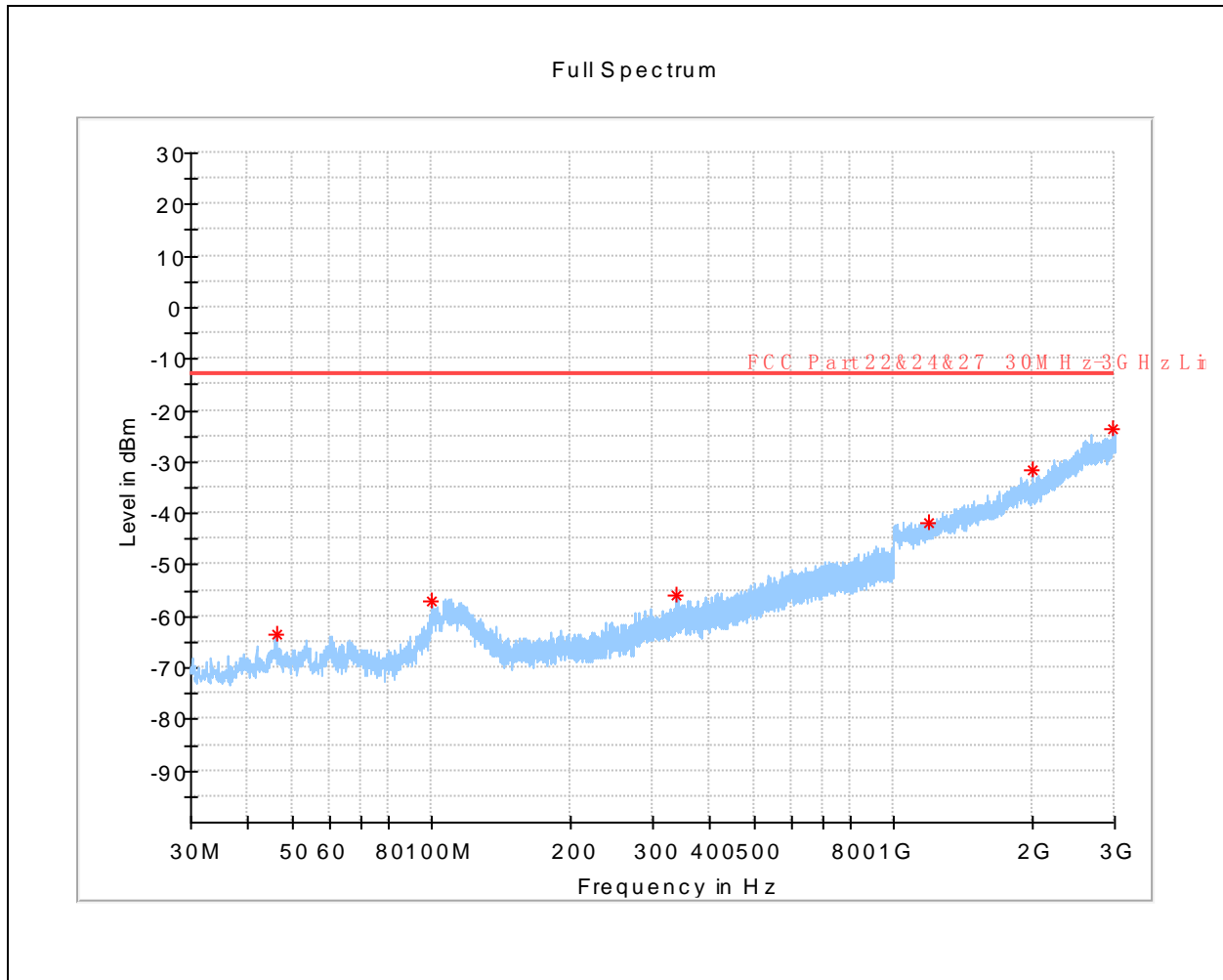
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
52.067500	-56.73	-13.00	43.73	H	-76.8
243.885000	-57.65	-13.00	44.65	H	-77.3
720.446000	-47.17	-13.00	34.17	H	-70.8
1165.000000	-40.79	-13.00	27.79	H	-65.3
1989.500000	-31.72	-13.00	18.72	H	-58.8
2725.500000	-24.74	-13.00	11.74	H	-52.2



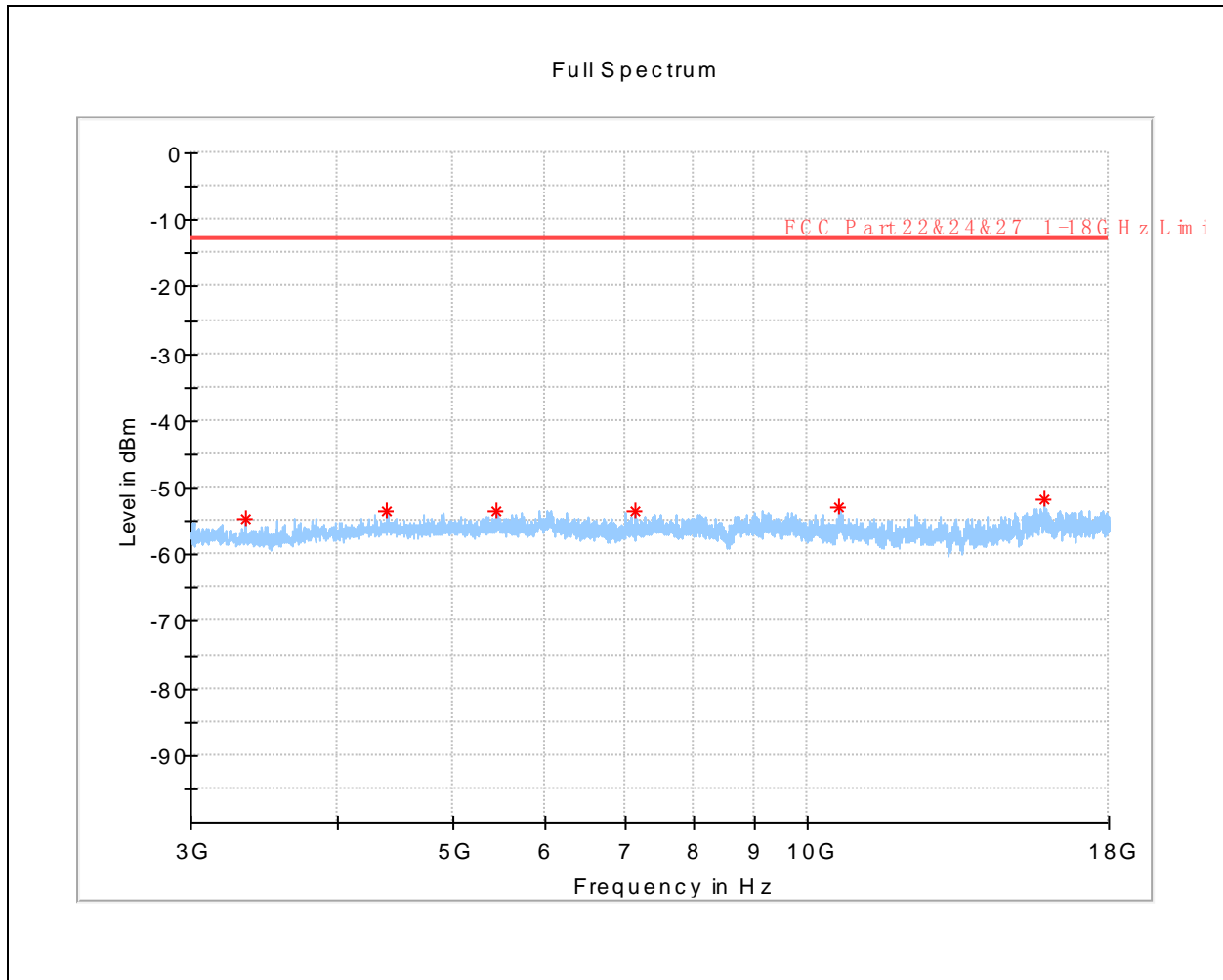


(CDMA BC 1 \_ CH 1175 \_ 3GHz to 18GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3583.125000	-52.28	-13.00	39.28	H	-99.7
4308.750000	-51.39	-13.00	38.39	H	-97.9
6039.375000	-51.53	-13.00	38.53	H	-95.9
8701.875000	-53.14	-13.00	40.14	H	-97.1
13580.625000	-52.01	-13.00	39.01	H	-94.8
17430.000000	-50.84	-13.00	37.84	H	-90.8

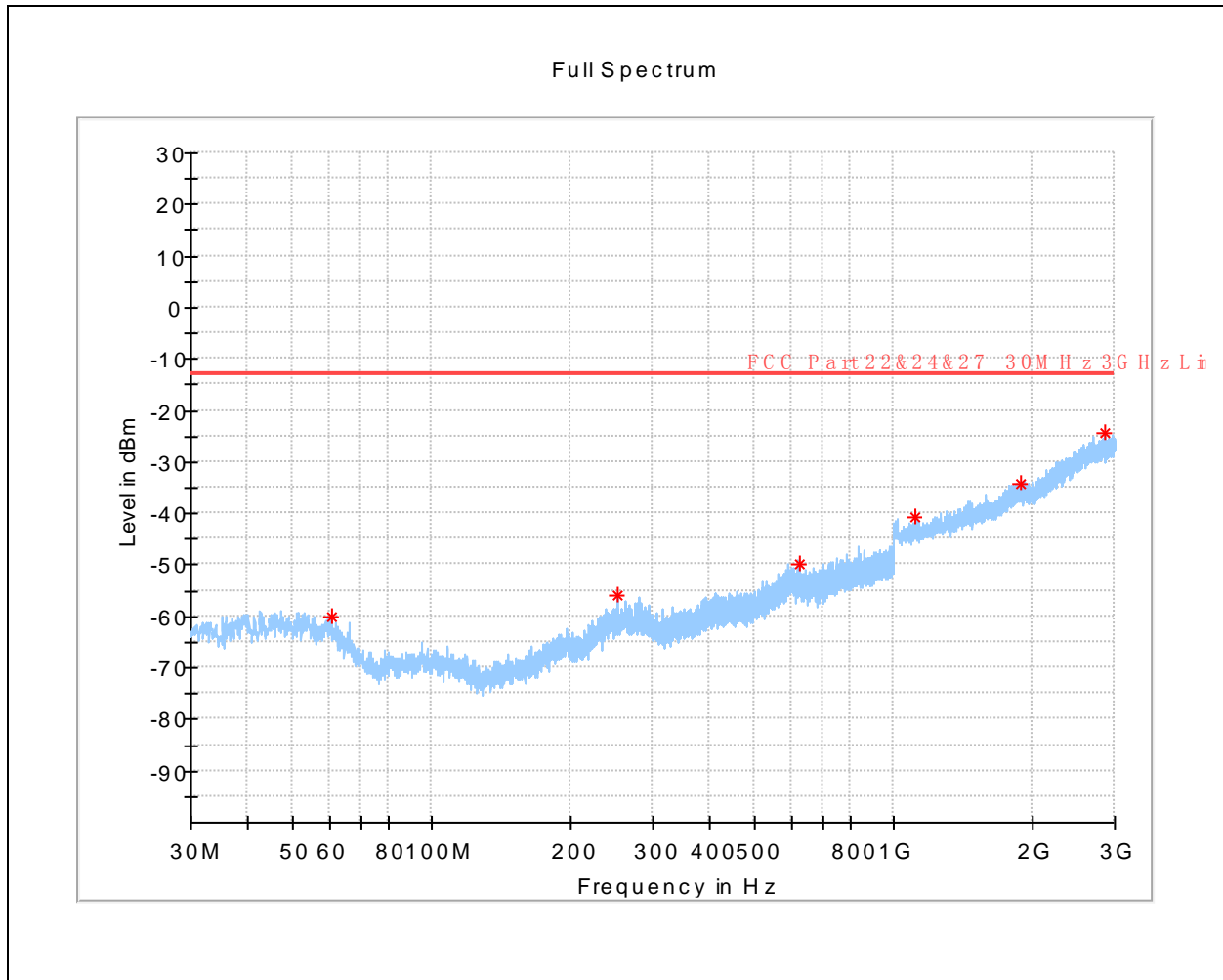


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
45.908000	-63.57	-13.00	50.57	V	-82.6
100.082500	-56.96	-13.00	43.96	V	-76.3
337.393000	-56.08	-13.00	43.08	V	-76.3
1183.000000	-41.67	-13.00	28.67	V	-65.1
1990.000000	-31.67	-13.00	18.67	V	-58.9
2977.000000	-23.70	-13.00	10.70	V	-50.4

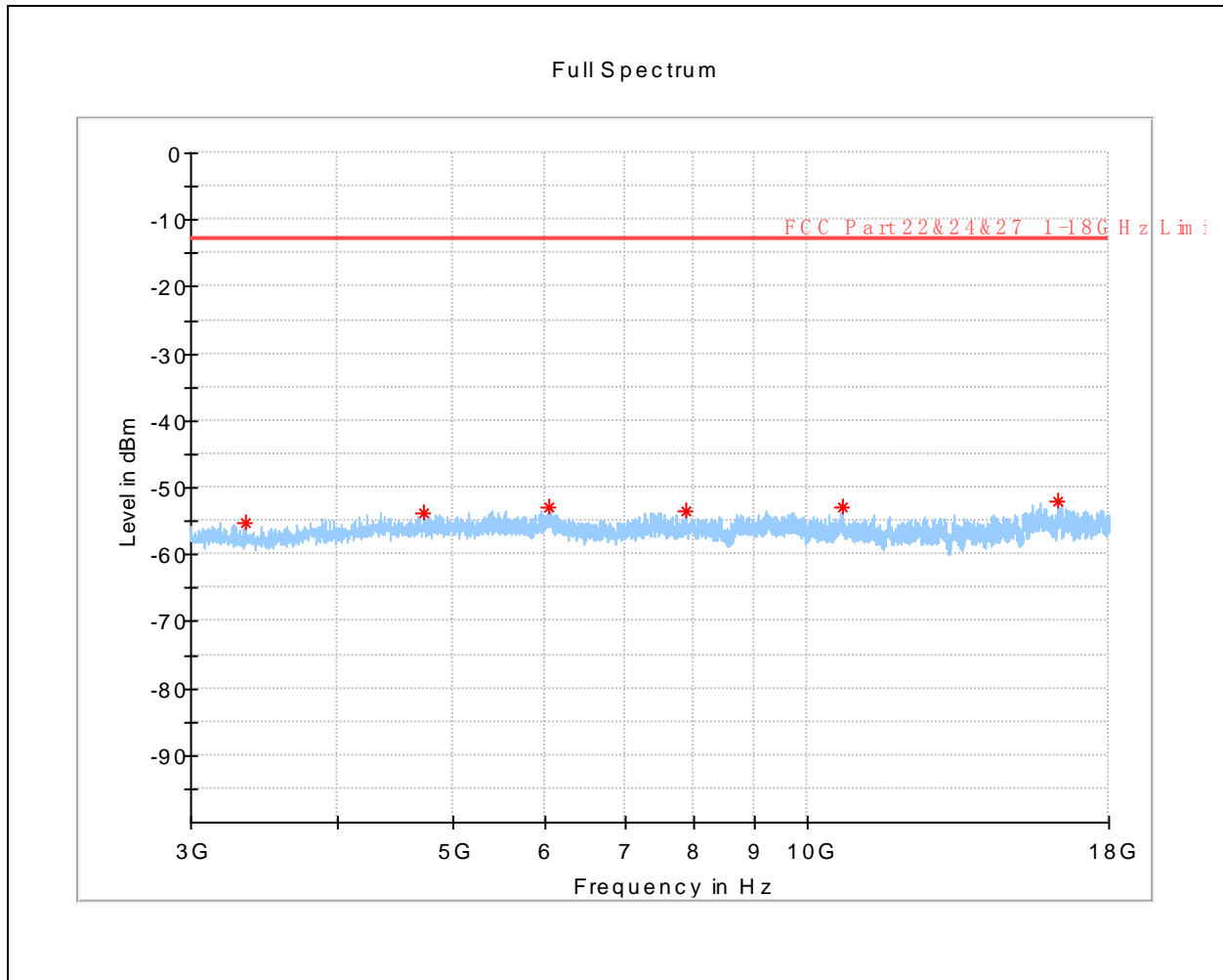


(CDMA BC 1 \_ CH 1175 \_ 3GHz to 18GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3333.750000	-54.70	-13.00	41.70	V	-102.5
4400.625000	-53.38	-13.00	40.38	V	-99.7
5443.125000	-53.42	-13.00	40.42	V	-99.0
7140.000000	-53.51	-13.00	40.51	V	-98.4
10640.625000	-52.95	-13.00	39.95	V	-97.2
15883.125000	-51.71	-13.00	38.71	V	-93.2

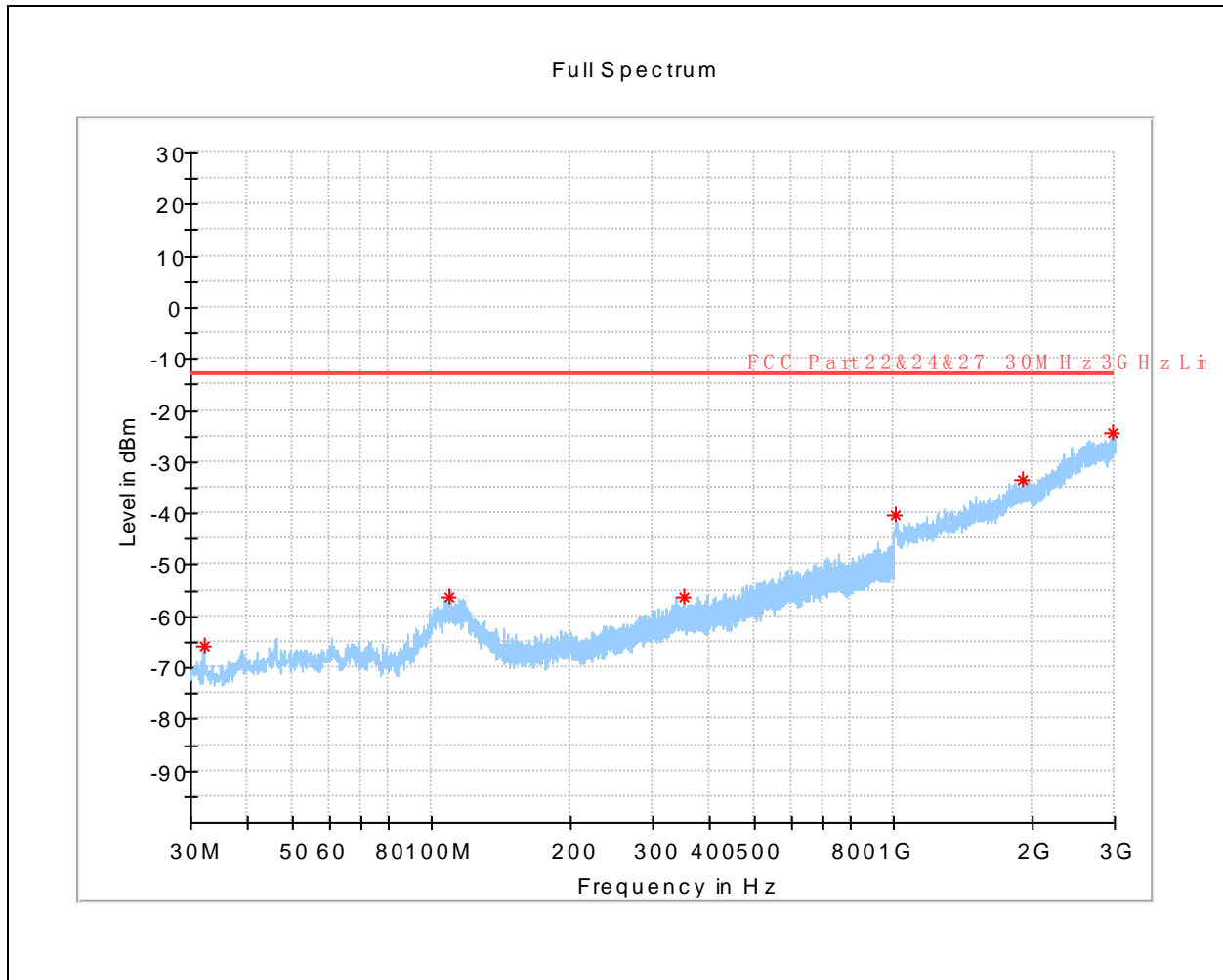


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
60.700500	-60.14	-13.00	47.14	H	-77.7
251.451000	-55.78	-13.00	42.78	H	-77.1
620.730000	-49.68	-13.00	36.68	H	-70.6
1110.000000	-40.55	-13.00	27.55	H	-65.5
1887.000000	-34.06	-13.00	21.06	H	-58.3
2846.500000	-24.53	-13.00	11.53	H	-51.4



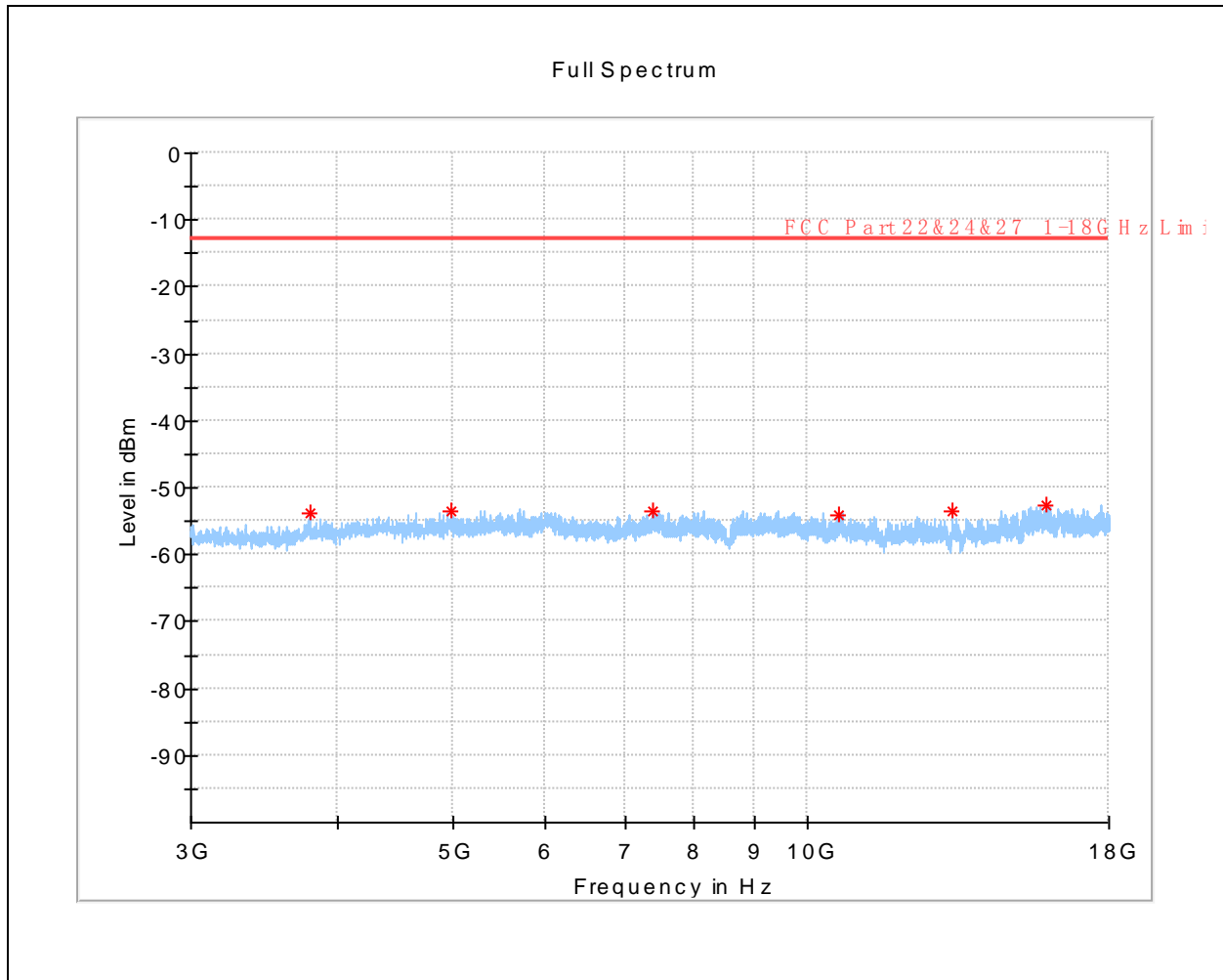
(1XEVD0 Rev 0 BC 1 \_ CH 25 \_ 3GHz to 18GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3339.375000	-55.17	-13.00	42.17	H	-102.4
4734.375000	-53.89	-13.00	40.89	H	-99.6
6028.125000	-53.00	-13.00	40.00	H	-98.1
7873.125000	-53.42	-13.00	40.42	H	-98.4
10687.500000	-52.82	-13.00	39.82	H	-97.3
16320.000000	-51.97	-13.00	38.97	H	-92.4



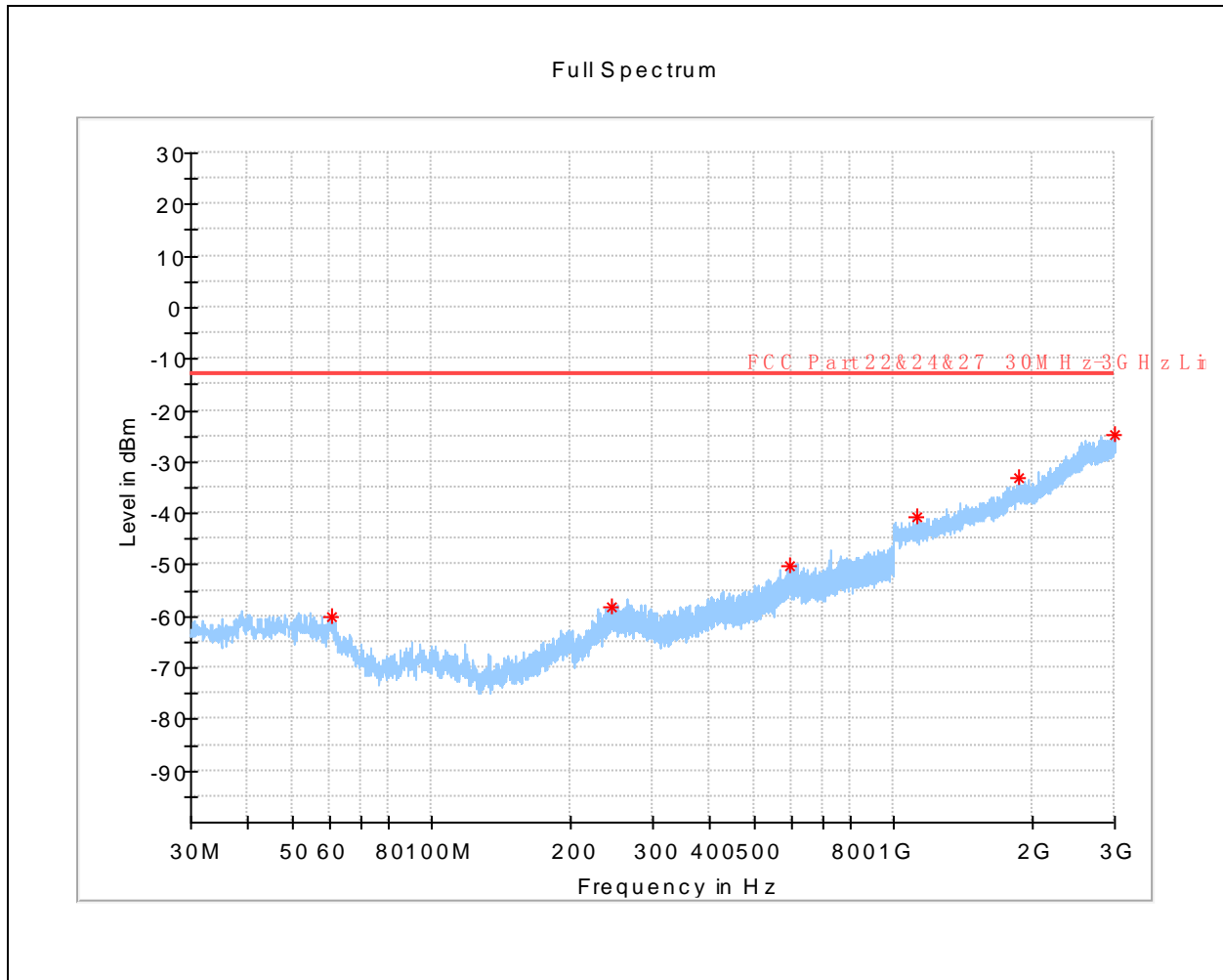
(1XEVD0 Rev 0 BC 1 \_ CH 25 \_ 30MHz to 3GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
31.988500	-65.95	-13.00	52.95	V	-87.6
109.103500	-56.24	-13.00	43.24	V	-75.1
351.118500	-56.41	-13.00	43.41	V	-76.2
1002.500000	-40.50	-13.00	27.50	V	-66.5
1891.500000	-33.50	-13.00	20.50	V	-58.4
2983.500000	-24.37	-13.00	11.37	V	-50.3



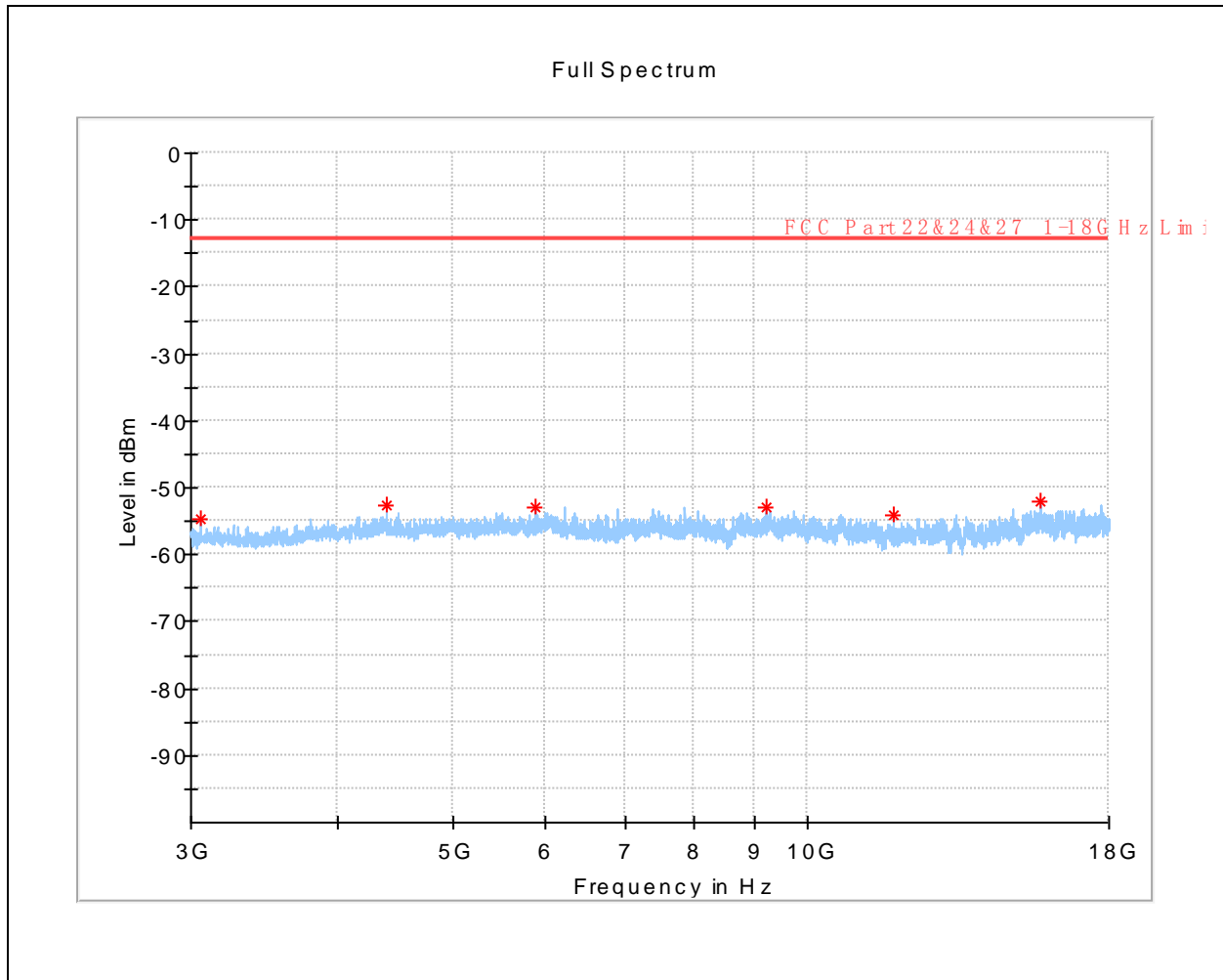
(1XEVD0 Rev 0 BC 1 \_ CH 25 \_ 3GHz to 18GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3781.875000	-53.83	-13.00	40.83	V	-101.0
4981.875000	-53.47	-13.00	40.47	V	-99.3
7385.625000	-53.60	-13.00	40.60	V	-98.1
10618.125000	-54.10	-13.00	41.10	V	-97.2
13269.375000	-53.61	-13.00	40.61	V	-96.1
15920.625000	-52.59	-13.00	39.59	V	-93.0



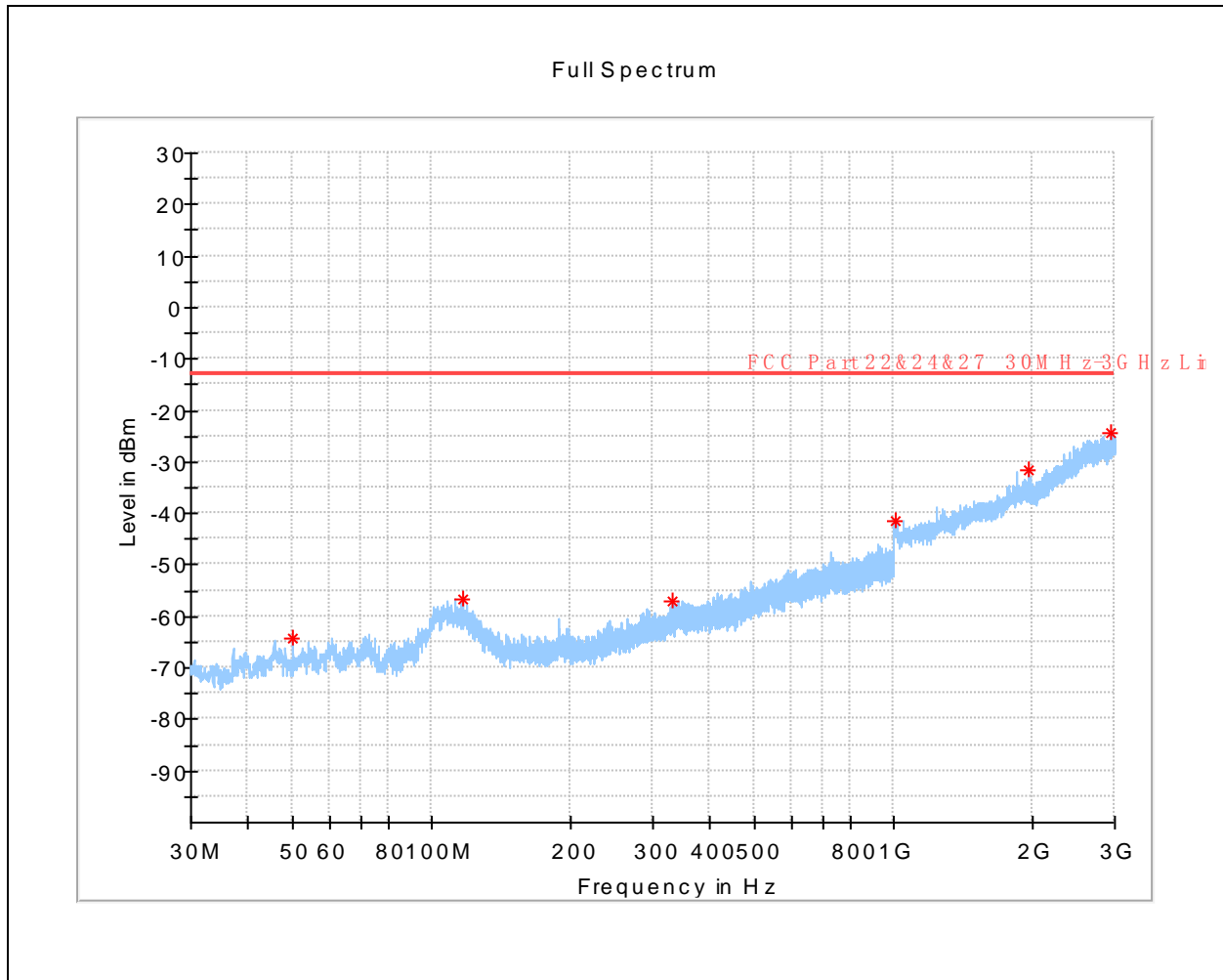
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
60.700500	-60.16	-13.00	47.16	H	-77.7
243.594000	-58.10	-13.00	45.10	H	-77.3
596.577000	-50.19	-13.00	37.19	H	-70.4
1114.500000	-40.81	-13.00	27.81	H	-65.6
1866.000000	-33.20	-13.00	20.20	H	-58.6
3000.000000	-24.84	-13.00	11.84	H	-50.3





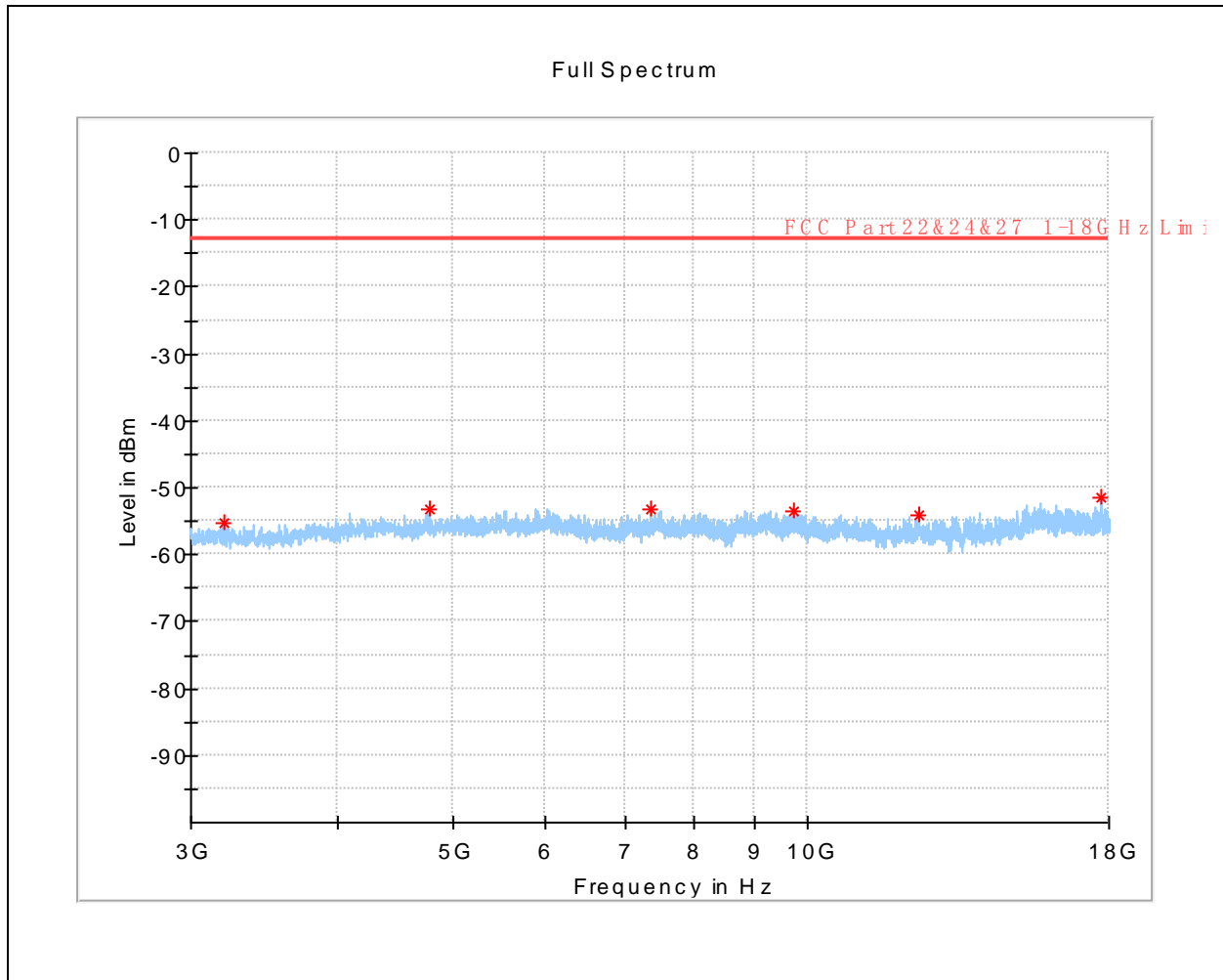
(1XEVD0 Rev 0 BC 1 \_ CH 600 \_ 3GHz to 18GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3054.375000	-54.64	-13.00	41.64	H	-102.2
4393.125000	-52.53	-13.00	39.53	H	-99.7
5868.750000	-52.81	-13.00	39.81	H	-98.8
9223.125000	-53.03	-13.00	40.03	H	-97.6
11823.750000	-54.19	-13.00	41.19	H	-97.6
15753.750000	-52.15	-13.00	39.15	H	-93.0

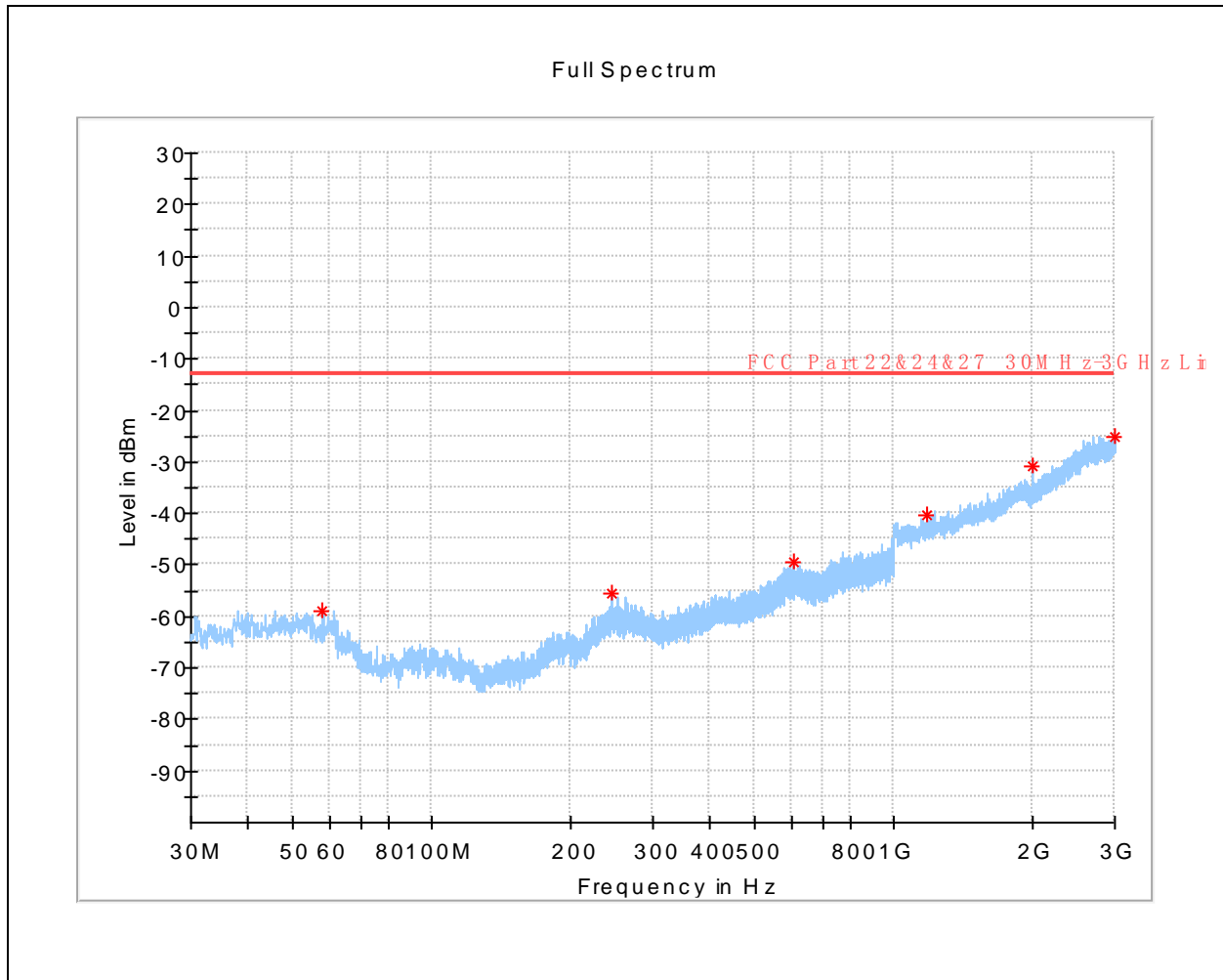


(1XEVD0 Rev 0 BC 1 \_ CH 600 \_ 30MHz to 3GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
49.933500	-64.30	-13.00	51.30	V	-84.5
115.942000	-56.81	-13.00	43.81	V	-75.5
330.506000	-57.10	-13.00	44.10	V	-76.8
1001.500000	-41.30	-13.00	28.30	V	-66.4
1960.500000	-31.73	-13.00	18.73	V	-58.9
2953.000000	-24.33	-13.00	11.33	V	-50.6

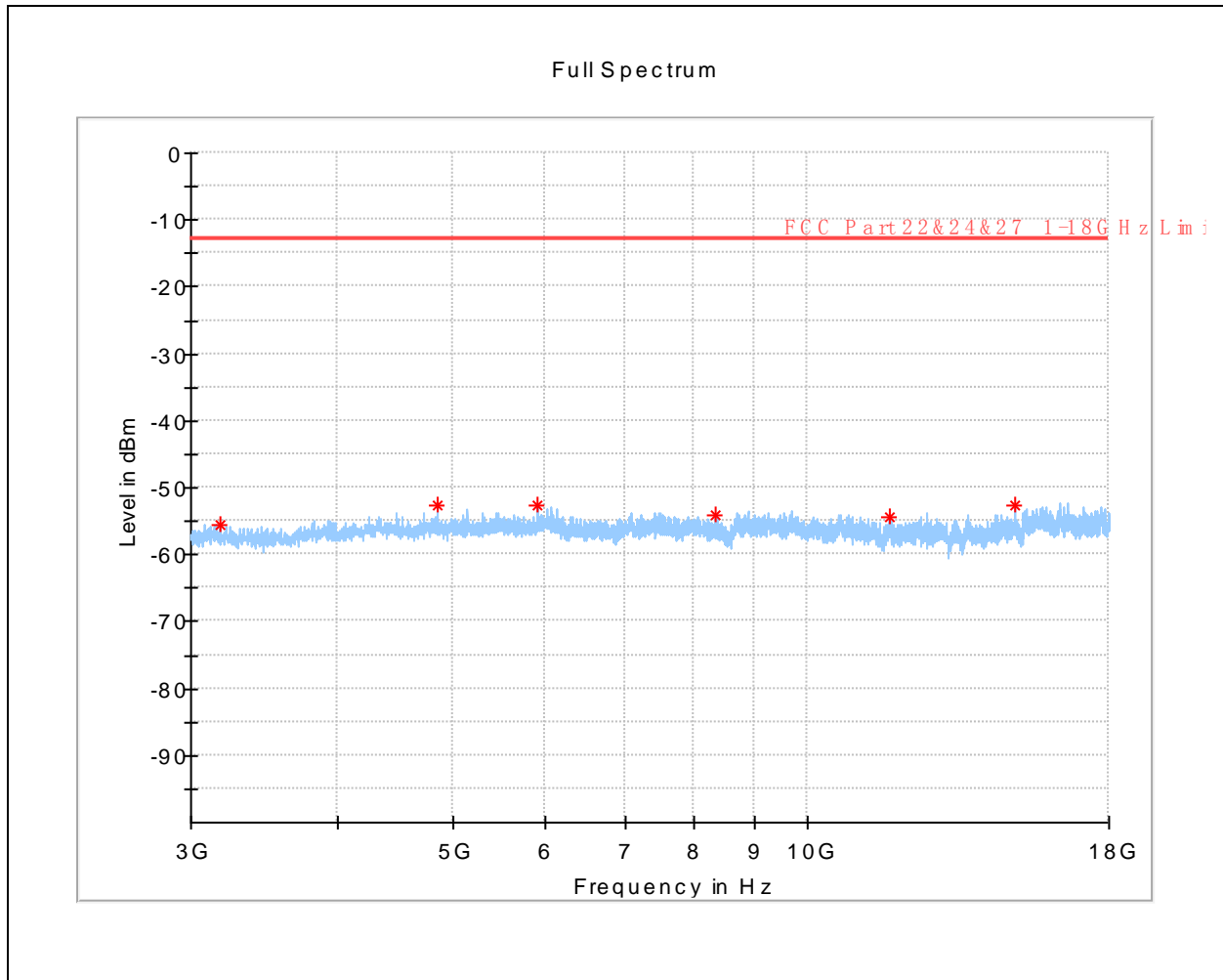


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3200.625000	-55.27	-13.00	42.27	V	-102.2
4777.500000	-53.30	-13.00	40.30	V	-99.7
7366.875000	-53.28	-13.00	40.28	V	-98.0
9721.875000	-53.40	-13.00	40.40	V	-97.4
12416.250000	-54.04	-13.00	41.04	V	-96.2
17724.375000	-51.46	-13.00	38.46	V	-91.9



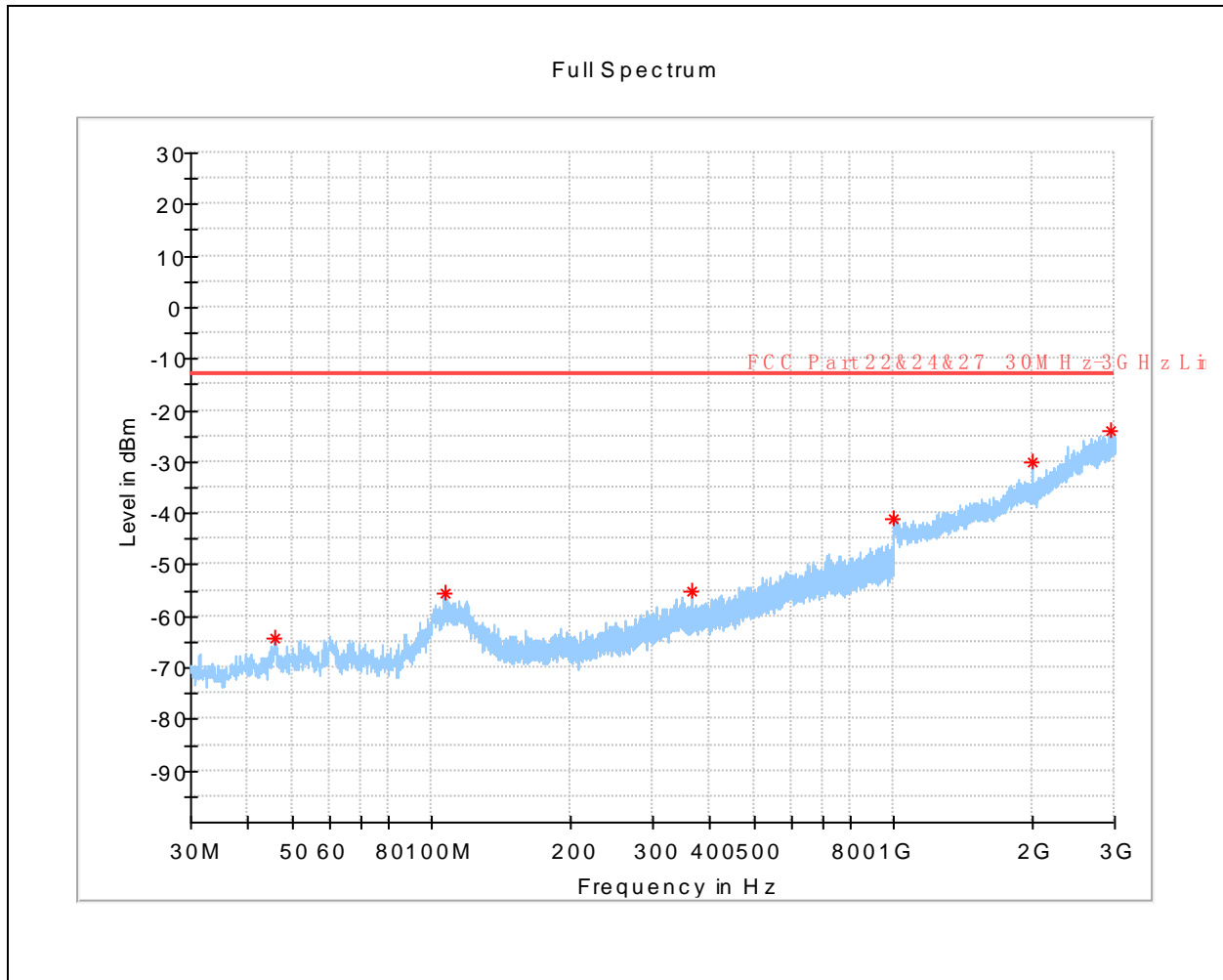
(1XEVD0 Rev 0 BC 1 \_ CH 1175 \_ 30MHz to 3GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
57.936000	-58.94	-13.00	45.94	H	-78.5
244.661000	-55.35	-13.00	42.35	H	-77.2
603.173000	-49.55	-13.00	36.55	H	-70.3
1181.000000	-40.30	-13.00	27.30	H	-64.9
1989.000000	-30.99	-13.00	17.99	H	-58.8
2993.500000	-24.95	-13.00	11.95	H	-50.3

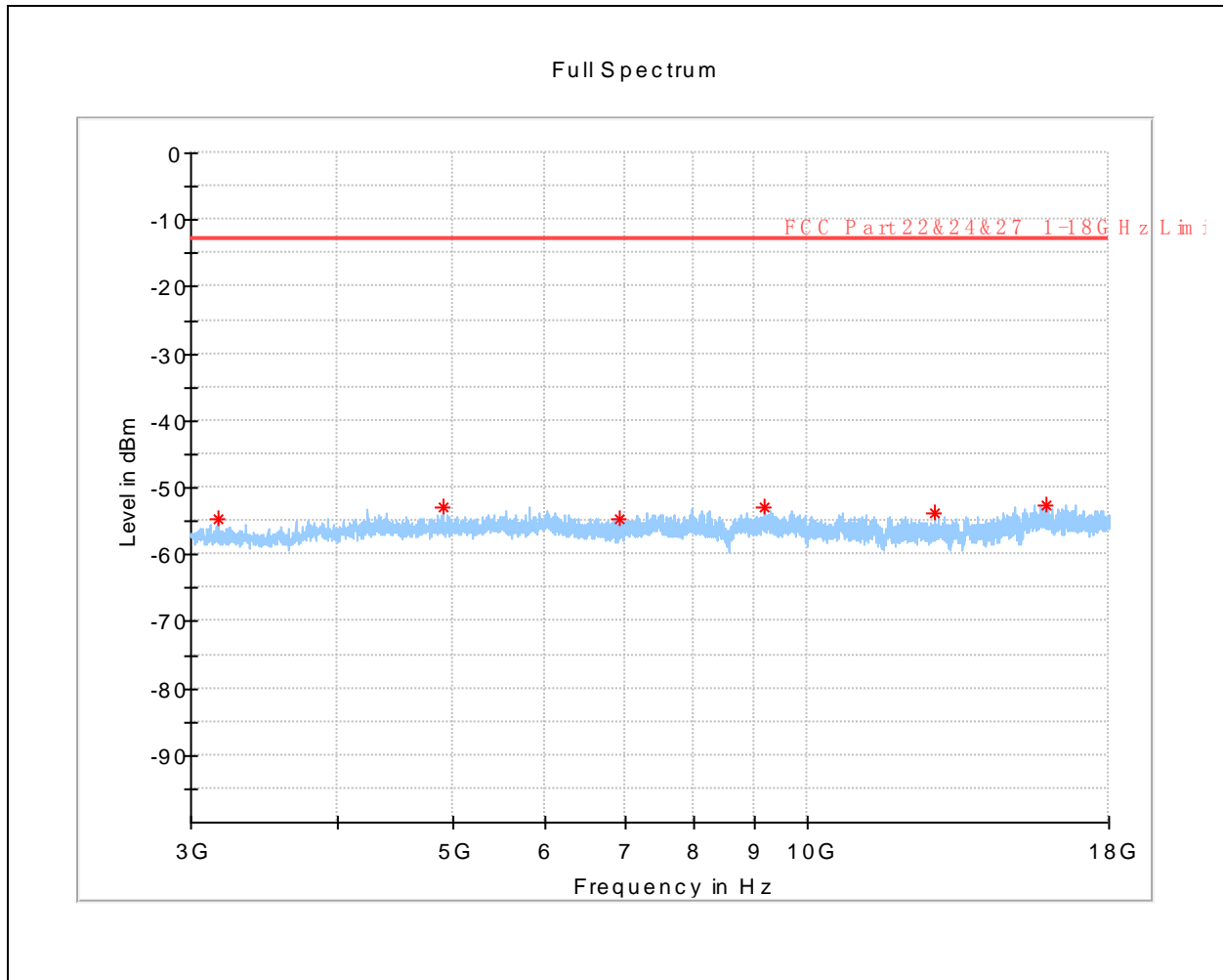


(1XEVD0 Rev 0 BC 1 \_ CH 1175 \_ 3GHz to 18GHz \_ Horizontal)

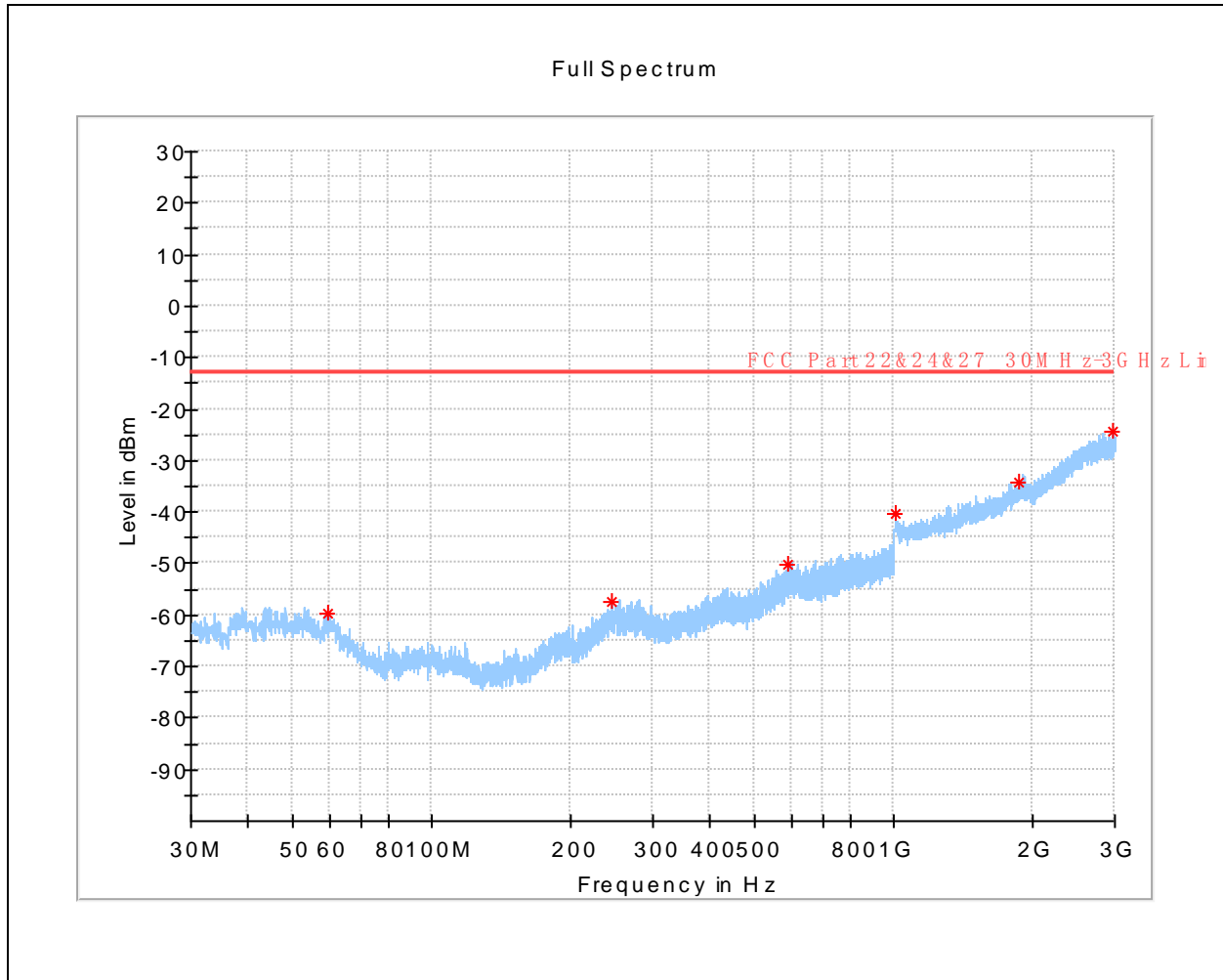
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3176.250000	-55.65	-13.00	42.65	H	-102.1
4852.500000	-52.55	-13.00	39.55	H	-99.6
5898.750000	-52.51	-13.00	39.51	H	-98.7
8349.375000	-54.08	-13.00	41.08	H	-98.4
11713.125000	-54.50	-13.00	41.50	H	-97.0
14962.500000	-52.57	-13.00	39.57	H	-94.3



Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
45.811000	-64.36	-13.00	51.36	V	-82.4
106.387500	-55.59	-13.00	42.59	V	-74.8
363.680000	-55.24	-13.00	42.24	V	-76.7
1000.000000	-41.15	-13.00	28.15	V	-66.3
1989.500000	-29.94	-13.00	16.94	V	-58.9
2943.500000	-23.95	-13.00	10.95	V	-50.7

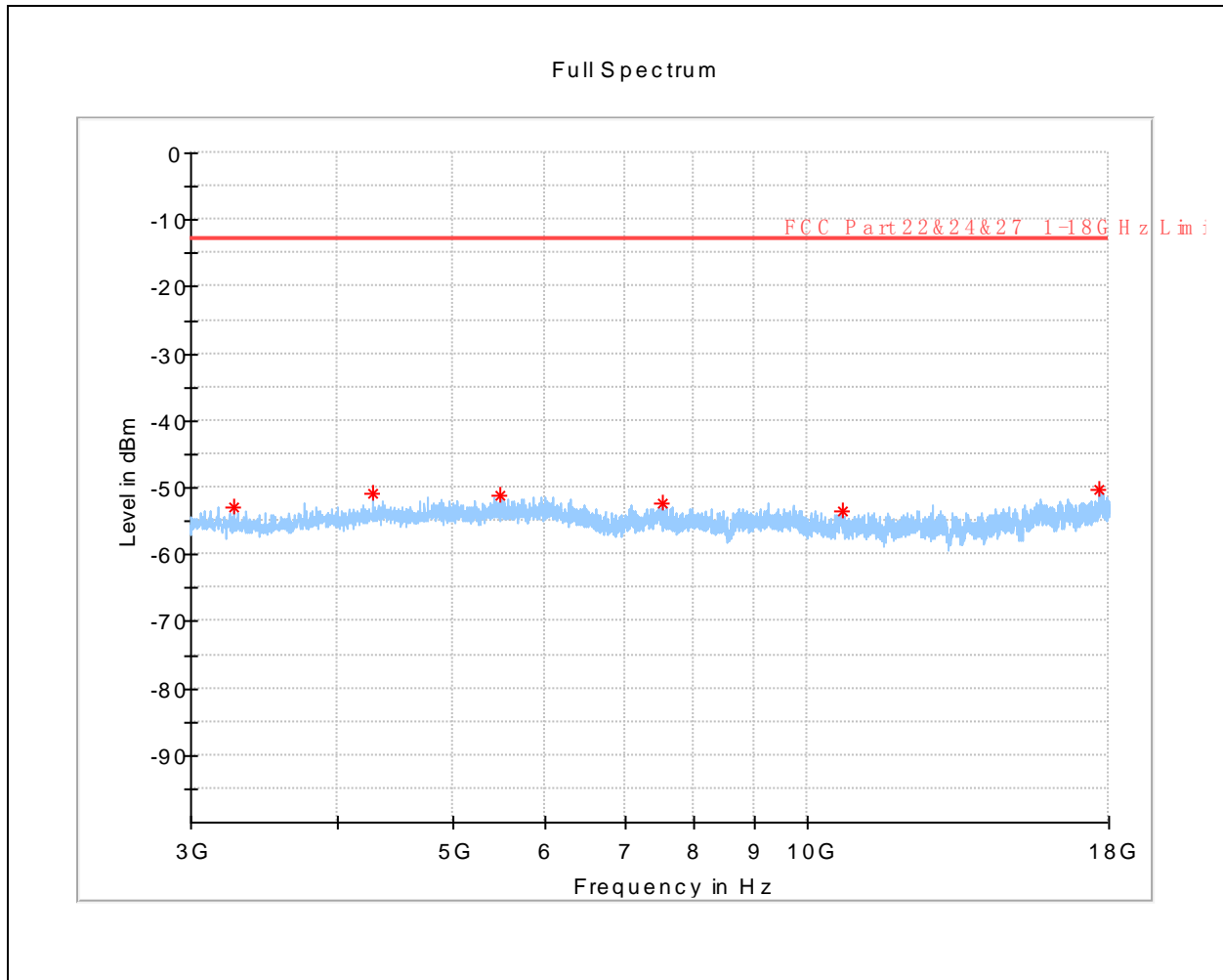


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3161.250000	-54.58	-13.00	41.58	V	-102.1
4910.625000	-53.05	-13.00	40.05	V	-99.5
6930.000000	-54.64	-13.00	41.64	V	-99.1
9176.250000	-52.95	-13.00	39.95	V	-98.0
12811.875000	-53.81	-13.00	40.81	V	-95.7
15920.625000	-52.54	-13.00	39.54	V	-93.0

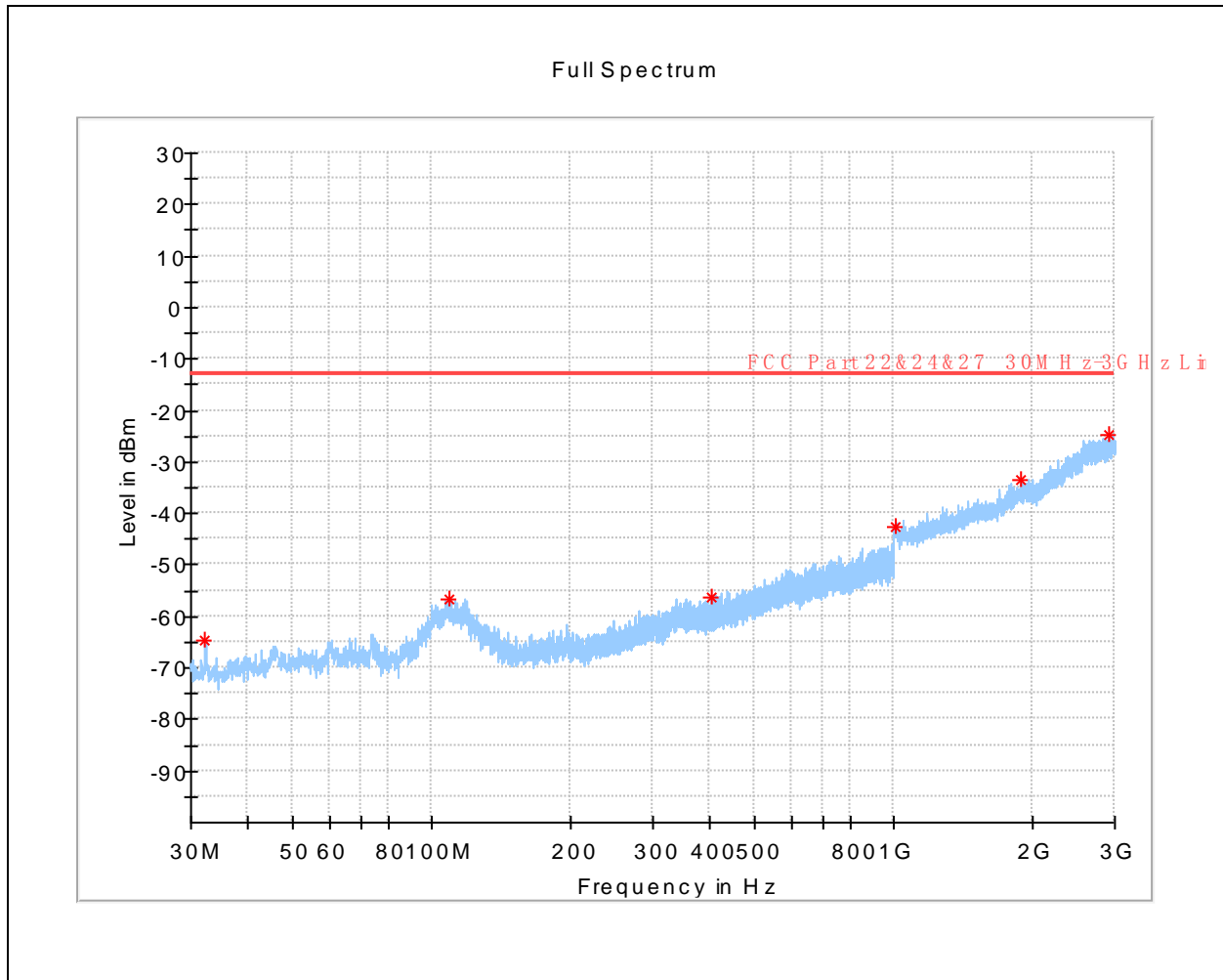


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
59.488000	-59.72	-13.00	46.72	H	-77.6
243.982000	-57.30	-13.00	44.30	H	-77.2
590.320500	-50.07	-13.00	37.07	H	-70.7
1007.000000	-40.24	-13.00	27.24	H	-66.7
1860.000000	-34.07	-13.00	21.07	H	-58.6
2975.500000	-24.30	-13.00	11.30	H	-50.5



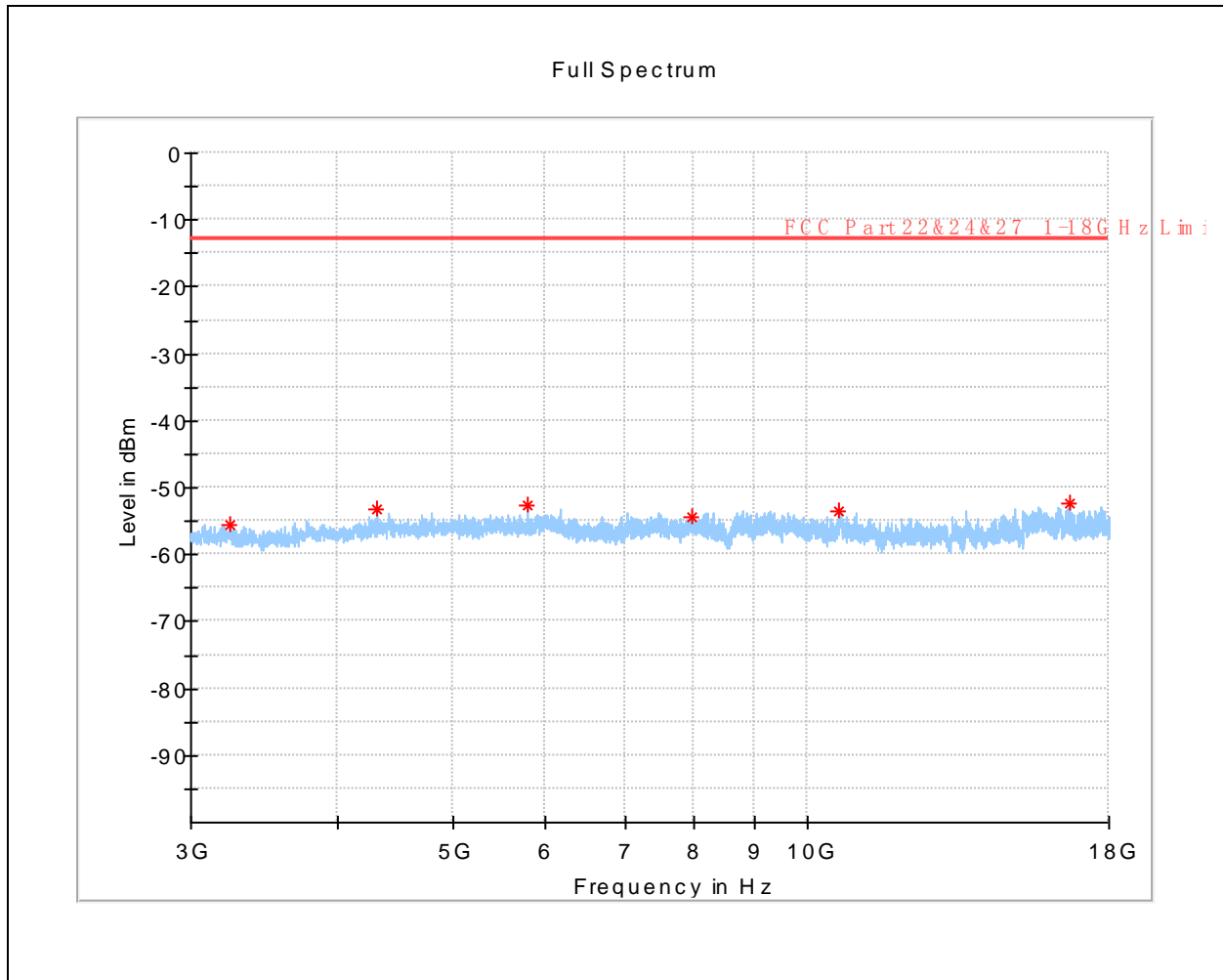


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3258.750000	-52.85	-13.00	39.85	H	-99.8
4280.625000	-51.00	-13.00	38.00	H	-97.8
5486.250000	-51.31	-13.00	38.31	H	-96.6
7522.500000	-52.37	-13.00	39.37	H	-97.2
10693.125000	-53.65	-13.00	40.65	H	-96.6
17655.000000	-50.32	-13.00	37.32	H	-90.7



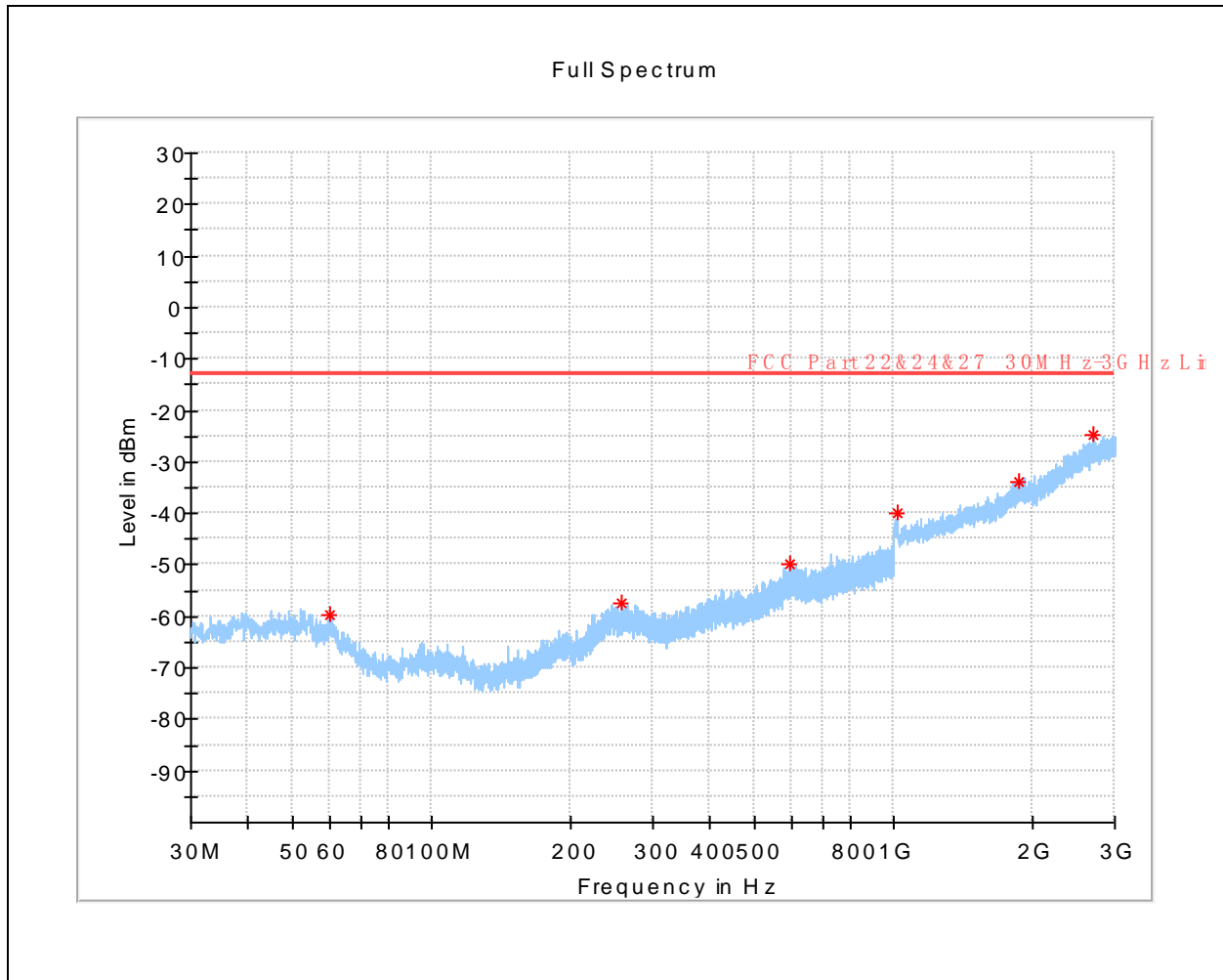
(1XEVD0 Rev A BC 1 \_ CH 25 \_ 30MHz to 3GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
32.231000	-64.50	-13.00	51.50	V	-87.6
108.521500	-56.56	-13.00	43.56	V	-74.9
403.401500	-56.14	-13.00	43.14	V	-76.2
1009.500000	-42.69	-13.00	29.69	V	-67.0
1874.000000	-33.40	-13.00	20.40	V	-58.7
2913.500000	-24.65	-13.00	11.65	V	-51.0



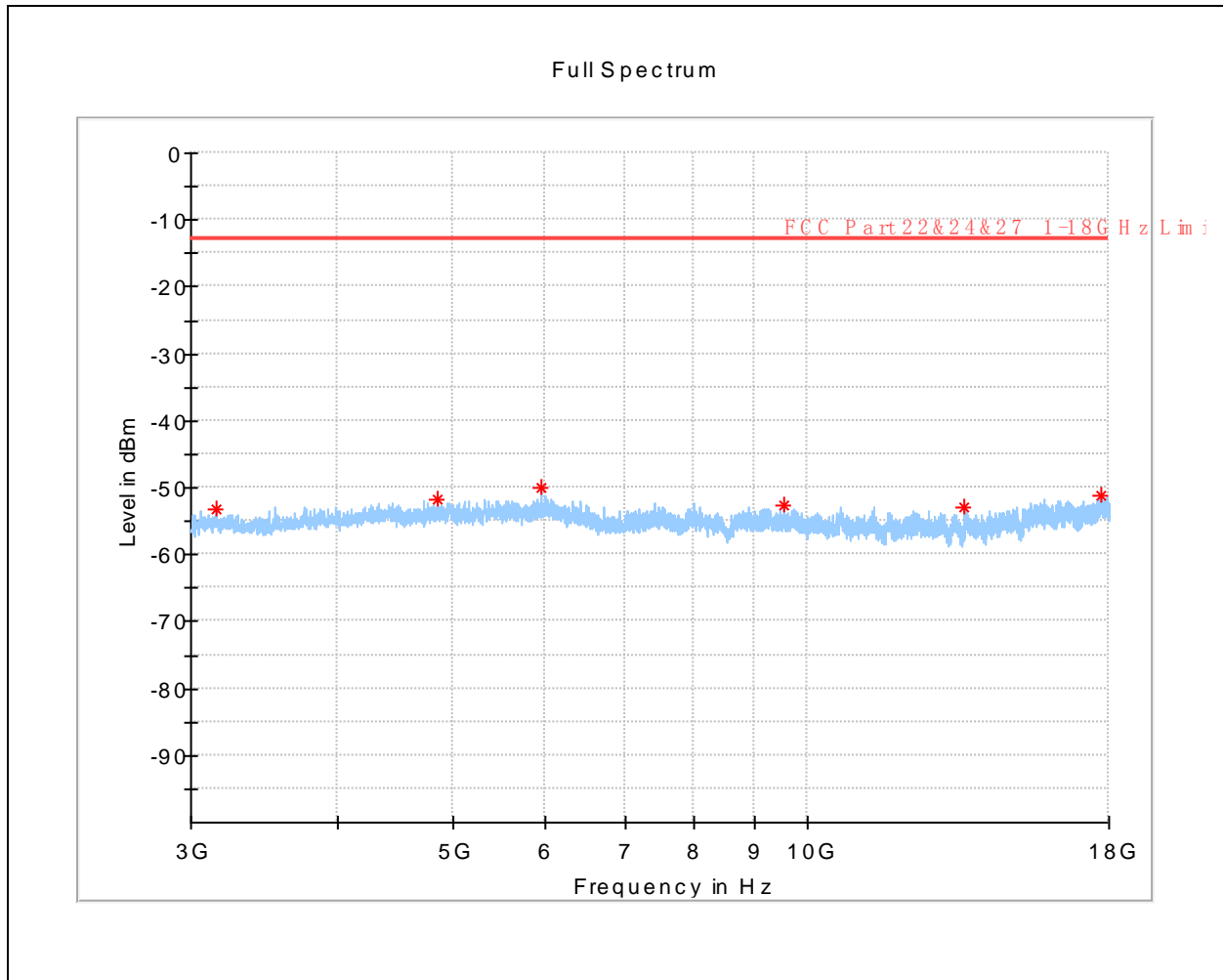
(1XEVD0 Rev A BC 1 \_ CH 25 \_ 3GHz to 18GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3234.375000	-55.42	-13.00	42.42	V	-102.2
4320.000000	-53.34	-13.00	40.34	V	-100.0
5780.625000	-52.54	-13.00	39.54	V	-99.2
7968.750000	-54.25	-13.00	41.25	V	-97.6
10636.875000	-53.41	-13.00	40.41	V	-97.2
16676.250000	-52.43	-13.00	39.43	V	-92.6



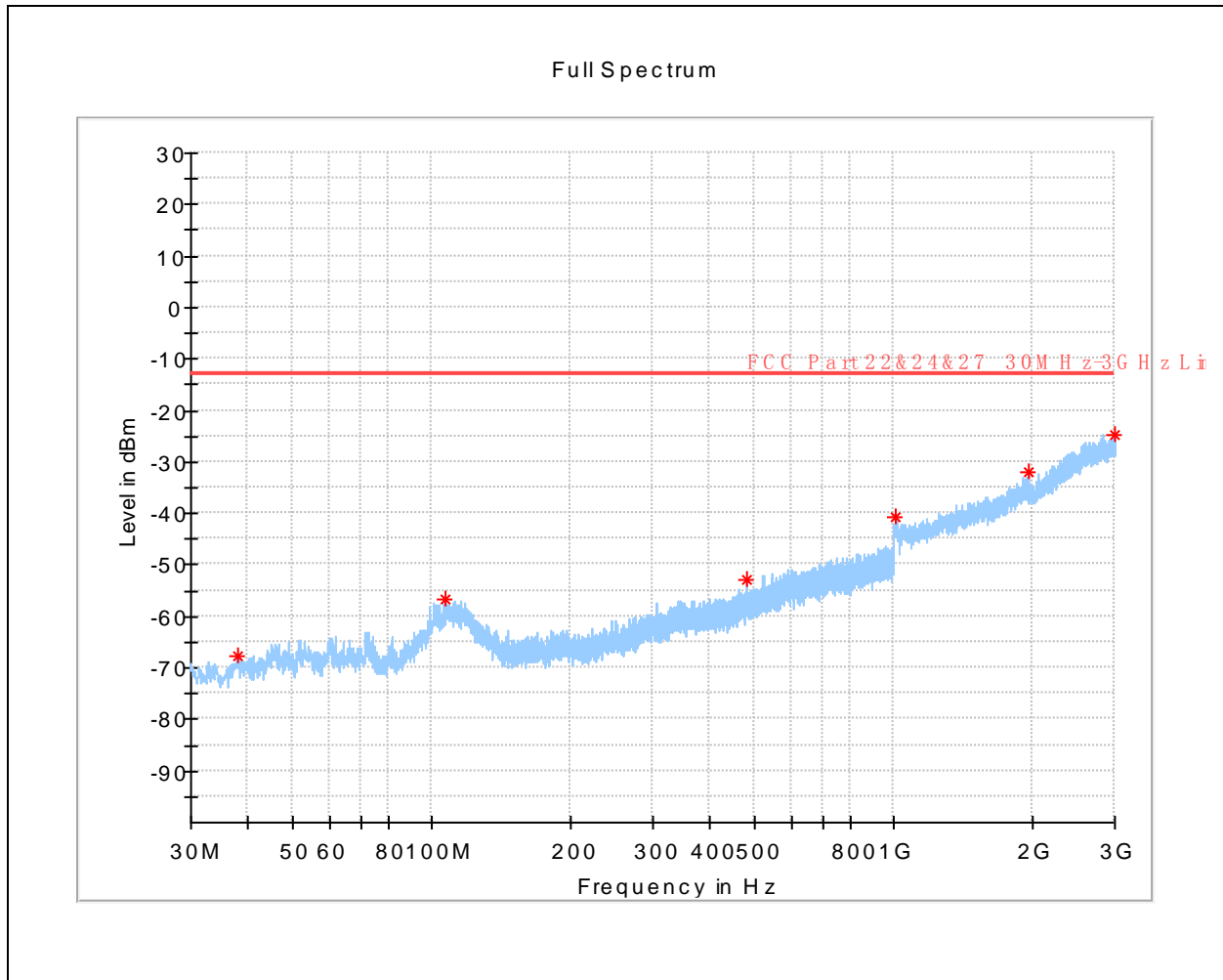
(1XEVD0 Rev A BC 1 \_ CH 600 \_ 30MHz to 3GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
60.167000	-59.68	-13.00	46.68	H	-77.4
255.573500	-57.46	-13.00	44.46	H	-77.2
595.267500	-49.68	-13.00	36.68	H	-70.5
1019.000000	-39.98	-13.00	26.98	H	-67.0
1863.500000	-33.91	-13.00	20.91	H	-58.6
2693.500000	-24.56	-13.00	11.56	H	-51.9



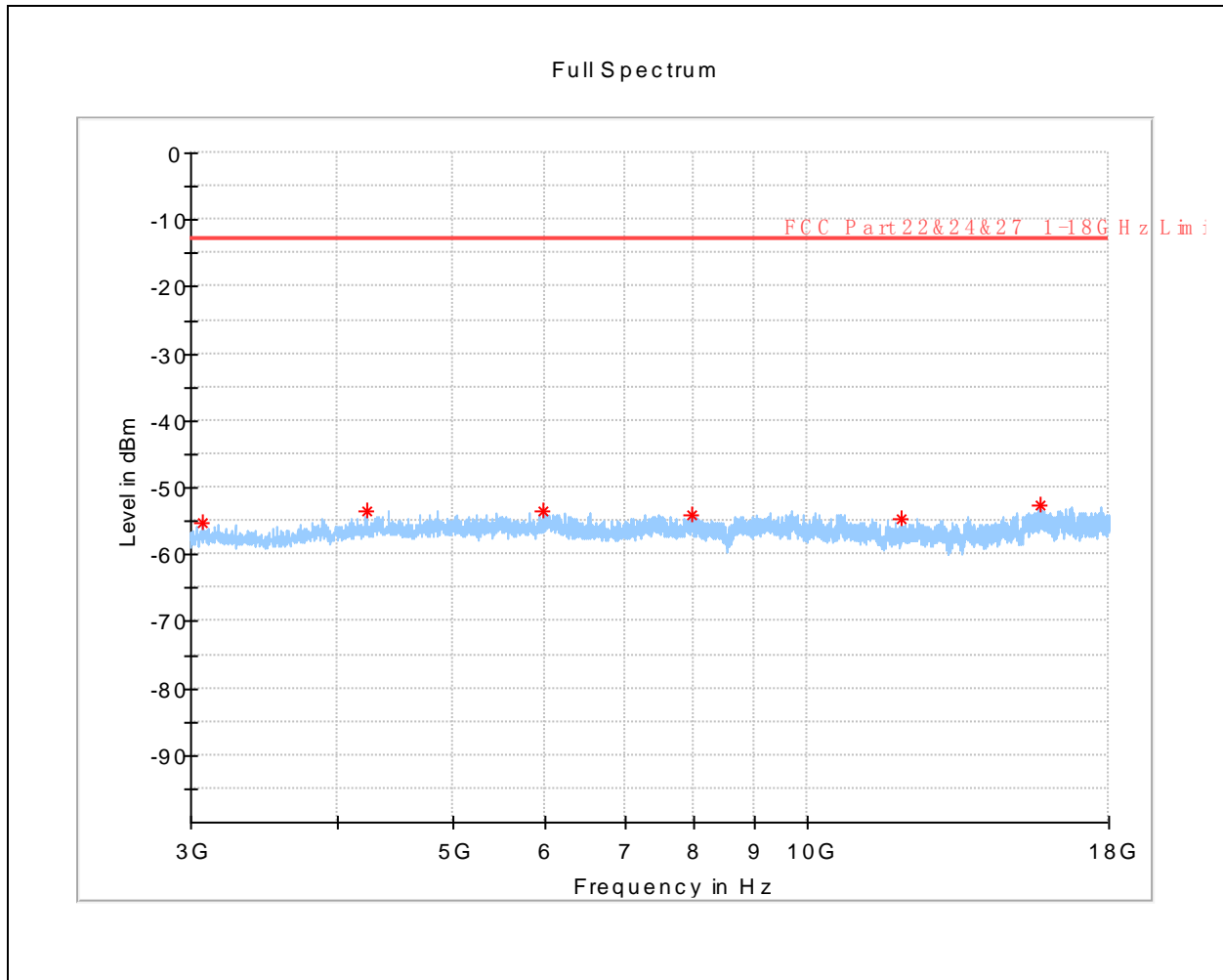
(1XEVD0 Rev A BC 1 \_ CH 600 \_ 3GHz to 18GHz \_ Horizontal)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3153.750000	-53.34	-13.00	40.34	H	-100.1
4852.500000	-51.69	-13.00	38.69	H	-97.4
5947.500000	-50.07	-13.00	37.07	H	-96.2
9532.500000	-52.67	-13.00	39.67	H	-96.7
13586.250000	-52.82	-13.00	39.82	H	-94.8
17726.250000	-51.11	-13.00	38.11	H	-89.8



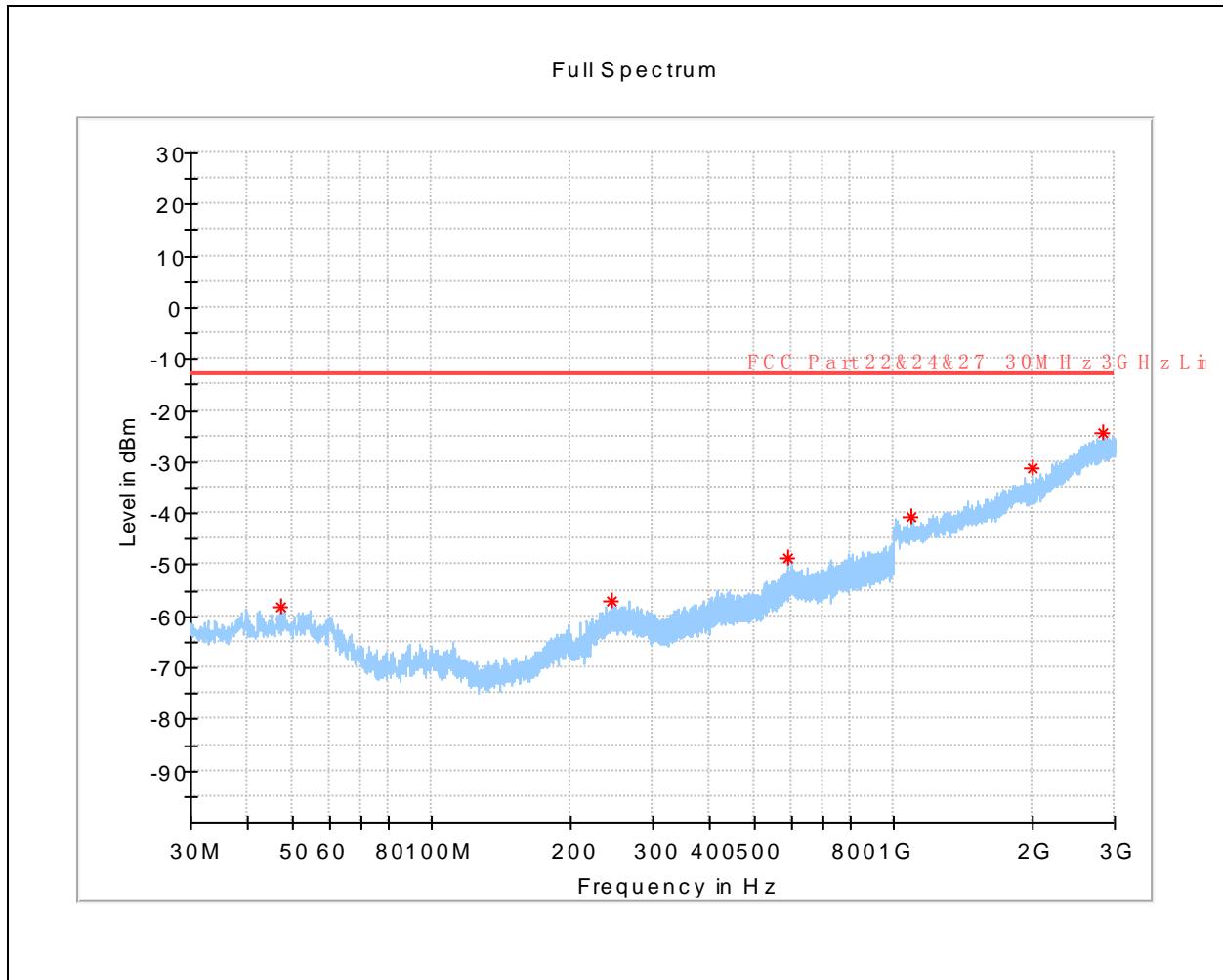
(1XEVD0 Rev A BC 1 \_ CH 600 \_ 30MHz to 3GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
37.760000	-67.78	-13.00	54.78	V	-85.6
107.018000	-56.53	-13.00	43.53	V	-74.7
480.322500	-52.90	-13.00	39.90	V	-74.4
1003.000000	-40.86	-13.00	27.86	V	-66.5
1960.500000	-31.99	-13.00	18.99	V	-58.9
2994.000000	-24.59	-13.00	11.59	V	-50.3



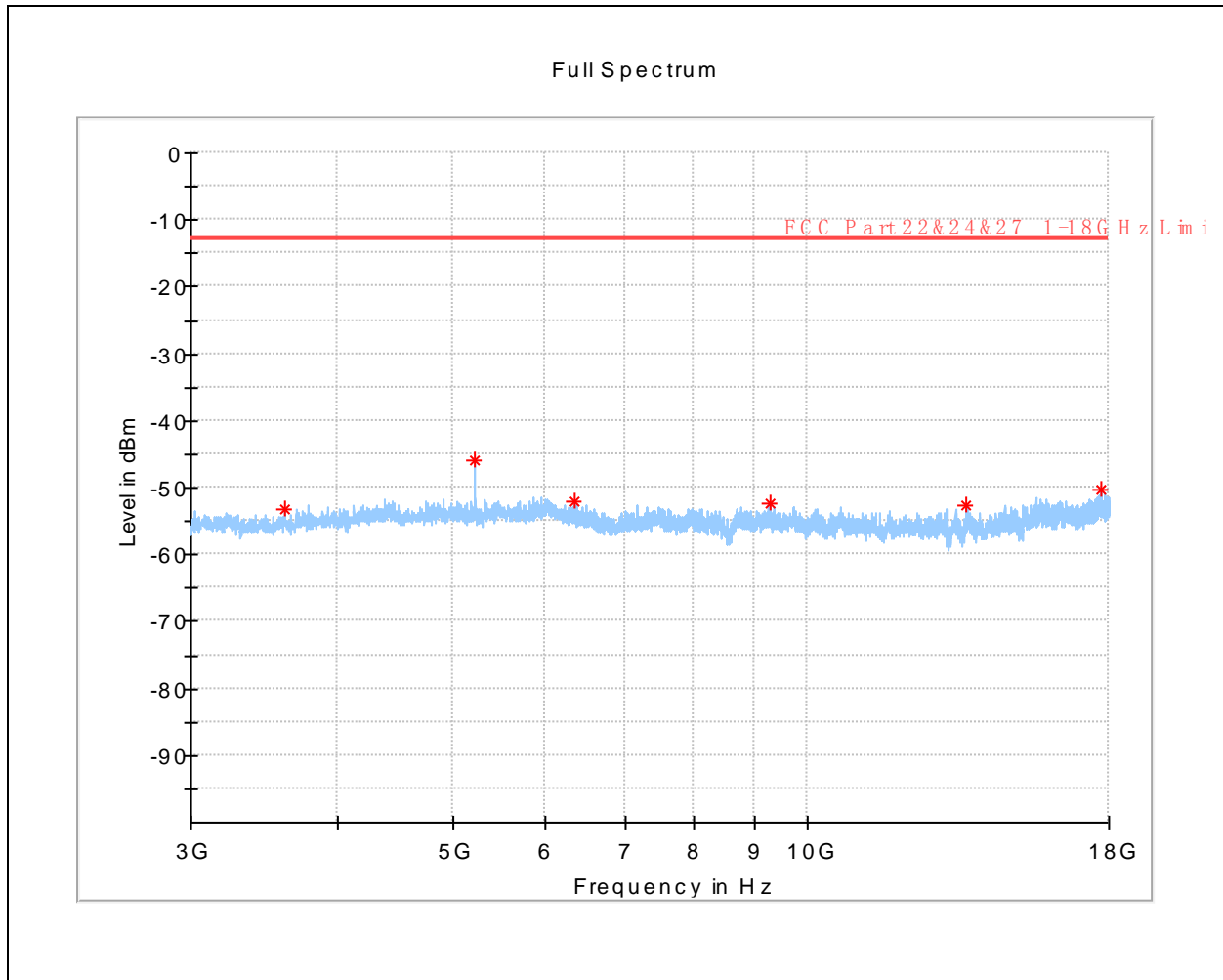
(1XEVD0 Rev A BC 1 \_ CH 600 \_ 3GHz to 18GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3069.375000	-55.25	-13.00	42.25	V	-102.3
4231.875000	-53.47	-13.00	40.47	V	-100.4
5960.625000	-53.42	-13.00	40.42	V	-98.3
7983.750000	-54.06	-13.00	41.06	V	-98.0
12016.875000	-54.62	-13.00	41.62	V	-96.9
15751.875000	-52.75	-13.00	39.75	V	-92.9

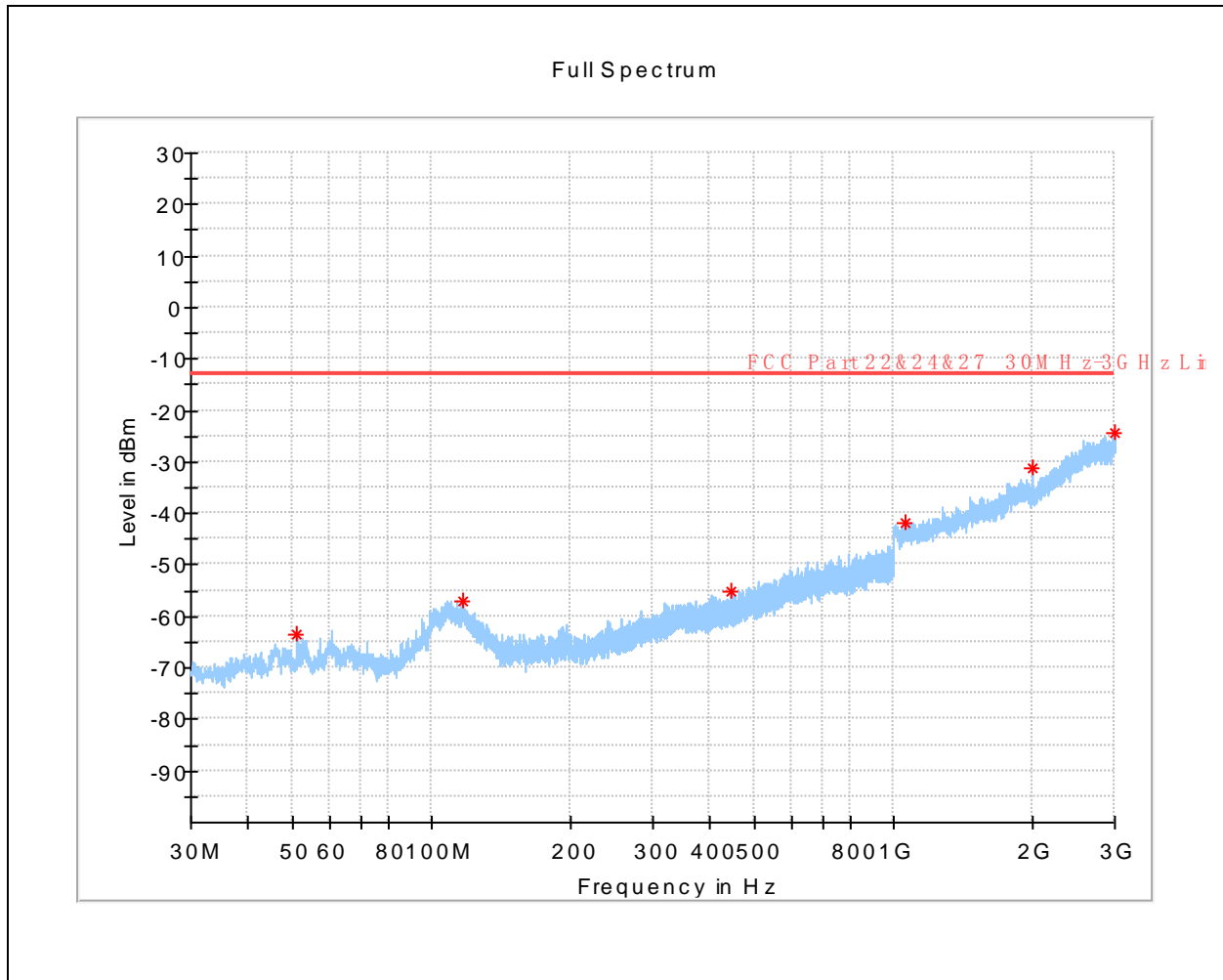


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
47.120500	-58.27	-13.00	45.27	H	-77.1
244.467000	-56.98	-13.00	43.98	H	-77.2
586.440500	-48.86	-13.00	35.86	H	-70.8
1087.500000	-40.56	-13.00	27.56	H	-65.7
1989.000000	-31.18	-13.00	18.18	H	-58.8
2837.000000	-24.45	-13.00	11.45	H	-51.5



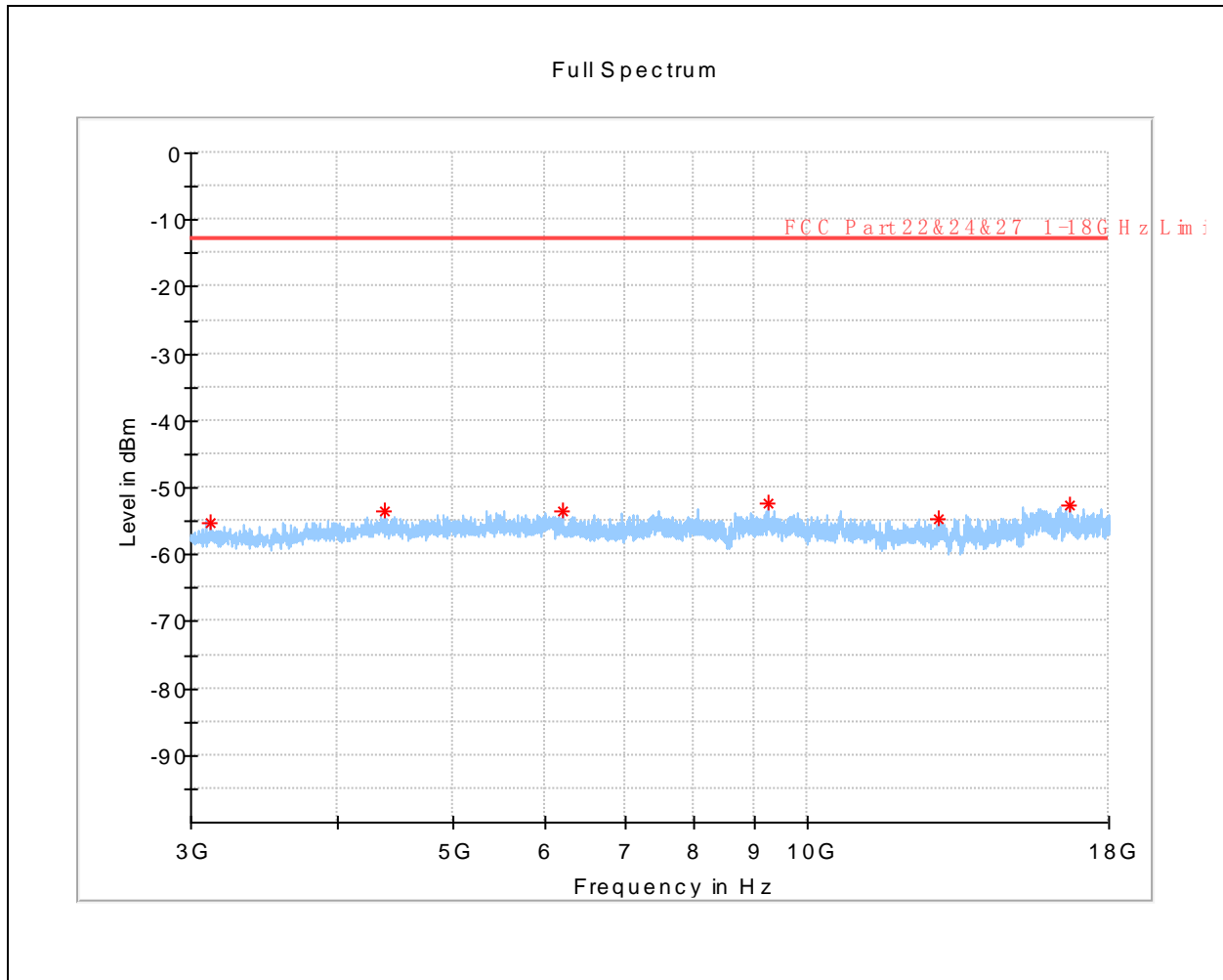


Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3600.000000	-53.18	-13.00	40.18	H	-99.8
5225.625000	-45.92	-13.00	32.92	H	-97.4
6331.875000	-51.92	-13.00	38.92	H	-96.7
9292.500000	-52.20	-13.00	39.20	H	-96.7
13633.125000	-52.77	-13.00	39.77	H	-94.5
17703.750000	-50.35	-13.00	37.35	H	-90.2



(1XEVD0 Rev A BC 1 \_ CH 1175 \_ 30MHz to 3GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
51.049000	-63.37	-13.00	50.37	V	-84.1
116.087500	-56.98	-13.00	43.98	V	-75.5
443.414000	-55.23	-13.00	42.23	V	-76.1
1051.500000	-41.65	-13.00	28.65	V	-65.4
1988.500000	-31.09	-13.00	18.09	V	-58.8
2995.500000	-24.31	-13.00	11.31	V	-50.3



(1XEVD0 Rev A BC 1 \_ CH 1175 \_ 3GHz to 18GHz \_ Vertical)

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Pol	Corr. (dB)
3116.250000	-55.25	-13.00	42.25	V	-101.7
4381.875000	-53.54	-13.00	40.54	V	-99.7
6195.000000	-53.48	-13.00	40.48	V	-98.8
9273.750000	-52.39	-13.00	39.39	V	-97.1
12924.375000	-54.72	-13.00	41.72	V	-95.9
16685.625000	-52.62	-13.00	39.62	V	-92.6



## 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	$\pm 2.22$ dB
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	$\pm 2.77$ dB
Band Edge	$\pm 2.77$ dB
Equivalent Isotropic Radiated Power	$\pm 2.22$ dB
Radiated Spurious Emissions	$\pm 6$ 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

<b>Laboratory Name:</b>	Kehu-Morlab Test Laboratory
<b>Laboratory Address:</b>	Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian), P.R. China
<b>Telephone:</b>	+86 592 5612050
<b>Facsimile:</b>	+86 592 5612095

### 2. Identification of the Responsible Testing Location

<b>Name:</b>	Kehu-Morlab Test Laboratory
<b>Address:</b>	Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian), P.R. China

### 3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at Unit 101, No.1732 Gangzhong Road, Xiamen Area, Pilot Free Trade Zone (Fujian), P.R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1249, the test firm registration number is 586030.

### 4. Test Equipments Utilized

#### 4.1 Conducted Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Power Splitter	1723	WA1506A	Weinschel	2019.01.08	2020.01.07
Power Sensor	MY5641000 6	U2021XA	Keysight	2019.01.03	2020.01.02
Attenuator 1	N/A	10dB	Woken	2019.01.04	2020.01.03
MXA Signal Analyzer	MY5342184 5	N9020A	Keysight	2019.01.04	2020.01.03
Wideband Radio Communication Tester	102592	CMW500	R&S	2019.01.08	2020.01.07
RF cable (30MHz-26.5GHz)	RF01	N/A	Morlab	2019.01.04	2020.01.03
Coaxial cable	RF02	N/A	Morlab	2019.01.04	2020.01.03



Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
SMA connector	RF03	N/A	Xingbo	N/A	N/A
Temperature Chamber	MZ9371	MZ-PRHT80	Mingzhi	2019.01.05	2020.01.04
DC power source	170329048	RPS6003D-2	REK	2019.01.22	2020.01.21

NOTE: RF cable (30MHz-26.5GHz), Annual internal calibration.

#### 4.2 List of Software Used

No.	Model	Version Number	Producer	Test Item
1	EMC32	V10.00.00	Rode&Schwarz	RSE

#### 4.3 Radiated Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Cal. Due
Anechoic Chamber	N/A	9m*6m*6m	ETS-Lindgren	2017.07.21	2020.07.20
Signal Analyzer	101294	FSV40	R&S	2019.01.04	2020.01.03
Active Ring Antenna	FMZB 1513 #269	FMZB 1513	Schwarzbeck	2019.01.12	2020.01.11
Linear Log Periodic Broad Band Antenna	949	VULB 9163	Schwarzbeck	2018.09.25	2019.09.24
Ultra-Wideband Horn Antenna	102615	HF907	R&S	2019.01.19	2020.01.18
Steatite Antennas	17868	QSH-SL-18-26-S-20	Seibersdorf	2019.01.12	2020.01.11
RF Switch and Control Platform	N/A	RSC	CDSI	N/A	N/A
Coaxial cable (N male) (9kHz -3GHz)	EMC02	N/A	Morlab	2019.01.04	2020.01.03
Coaxial cable (N male) (9kHz -3GHz)	EMC03	N/A	Morlab	2019.01.04	2020.01.03
Coaxial cable (N male) (1GHz-26.5GHz)	EMC04	N/A	Morlab	2019.01.04	2020.01.03



Coaxial cable (N male) (1GHz-26.5GHz)	EMC05	N/A	Morlab	2019.01.04	2020.01.03
Pre-amplifier (1GHz-18GHz)	8810011	PAP-1G18	CDSI	2019.01.04	2020.01.03
Pre-amplifier (18GHz-40GHz)	17021-17024	PAP-1840	CDSI	2018.07.05	2019.07.04
Band stop Filter	EMC11	BJF814/849- 60	CDSI	2019.01.04	2020.01.03
Band stop Filter	EMC13	BJF1847.5/1 922.5-60	CDSI	2019.01.04	2020.01.03
High Pass Filter	EMC21	HFP- 1.0/18G-60	CDSI	2019.01.04	2020.01.03
High Pass Filter	EMC22	HFP- 3.0/18G-60	CDSI	2019.01.04	2020.01.03
NOTE: Coaxial cable and Filter, annual internal calibration.					



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————— END OF REPORT —————