

5. Peak Power Spectrum Density

5.1. Test Equipment

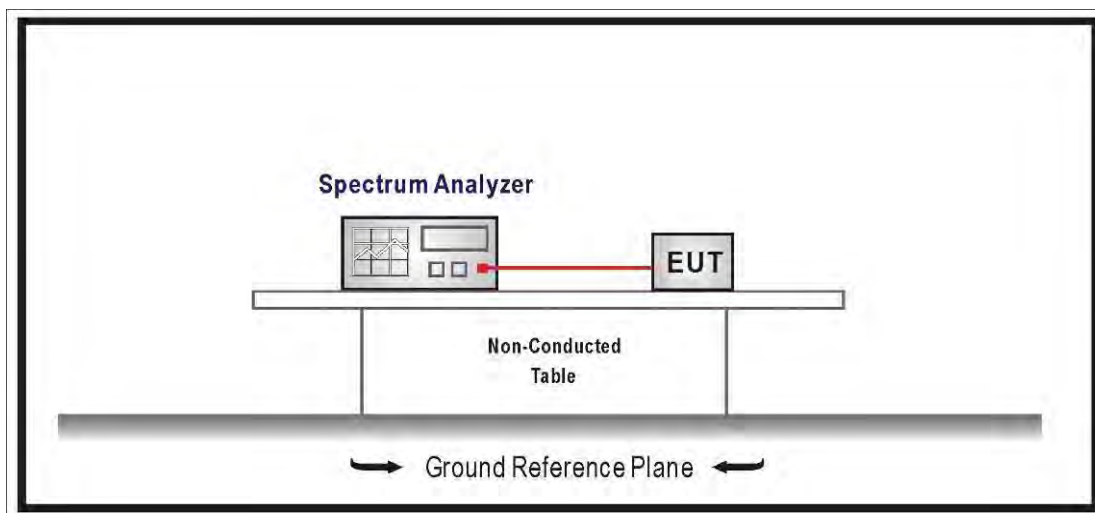
The following test equipments are used during the radiated emission tests:

Peak Power Spectrum Density / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/05

Note: All equipments that need to calibrate are with calibration period of 1 year.

5.2. Test Setup



5.3. Limits

1. For an outdoor access point operating in the band 5.15-5.25 GHz In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used,
2. For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used,
3. For fixed point-to-point access points operating in the band 5.15-5.25 GHz,.In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density.
4. For client devices in the 5.15-5.25 GHz band, In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
5. For the band 5.25-5.35 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 250 mW. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.
6. For the band 5.725-5.850 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 1W. If transmitting antenna of directional gain greater than 6 dBi are used, the peak transmit power shall be reduced by the amount in dB that directional gain of the antenna exceeds 6 dBi.

5.4. Test Procedure

The EUT was setup to ANSI C63.10:2013; tested to U-NII test procedure of KDB 789033 V01r03 and 662911 D01 v02r01 for compliance to FCC 47CFR Subpart E requirements.

For Band1 : Set RBW=1MHz, VBW=3MHz with RMS detector. The PPSD is the highest level found across the emission in any 1-MHz band after 100 sweeps of averaging.

For Band4 : Set RBW=500KHz, VBW=1.5MHz with RMS detector. The PPSD is the highest level found across the emission in any 500KHz band after 100 sweeps of averaging.

5.5. Uncertainty

The measurement uncertainty is defined as ± 1.27 dB

5.6. Test Result

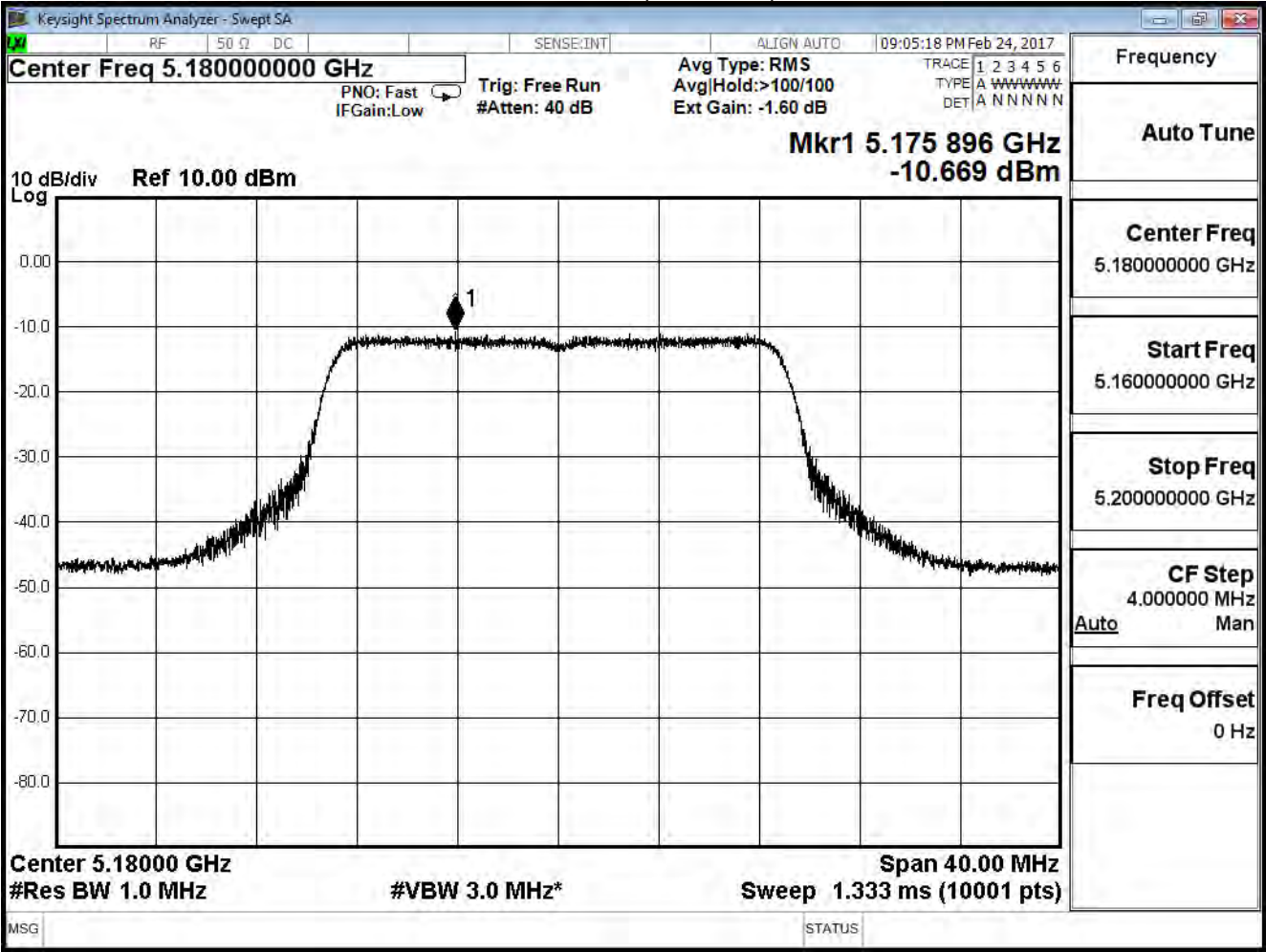
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	-10.669	≤ 9.75	Pass
44	5220	-8.847	≤ 9.75	Pass
48	5240	-11.468	≤ 9.75	Pass

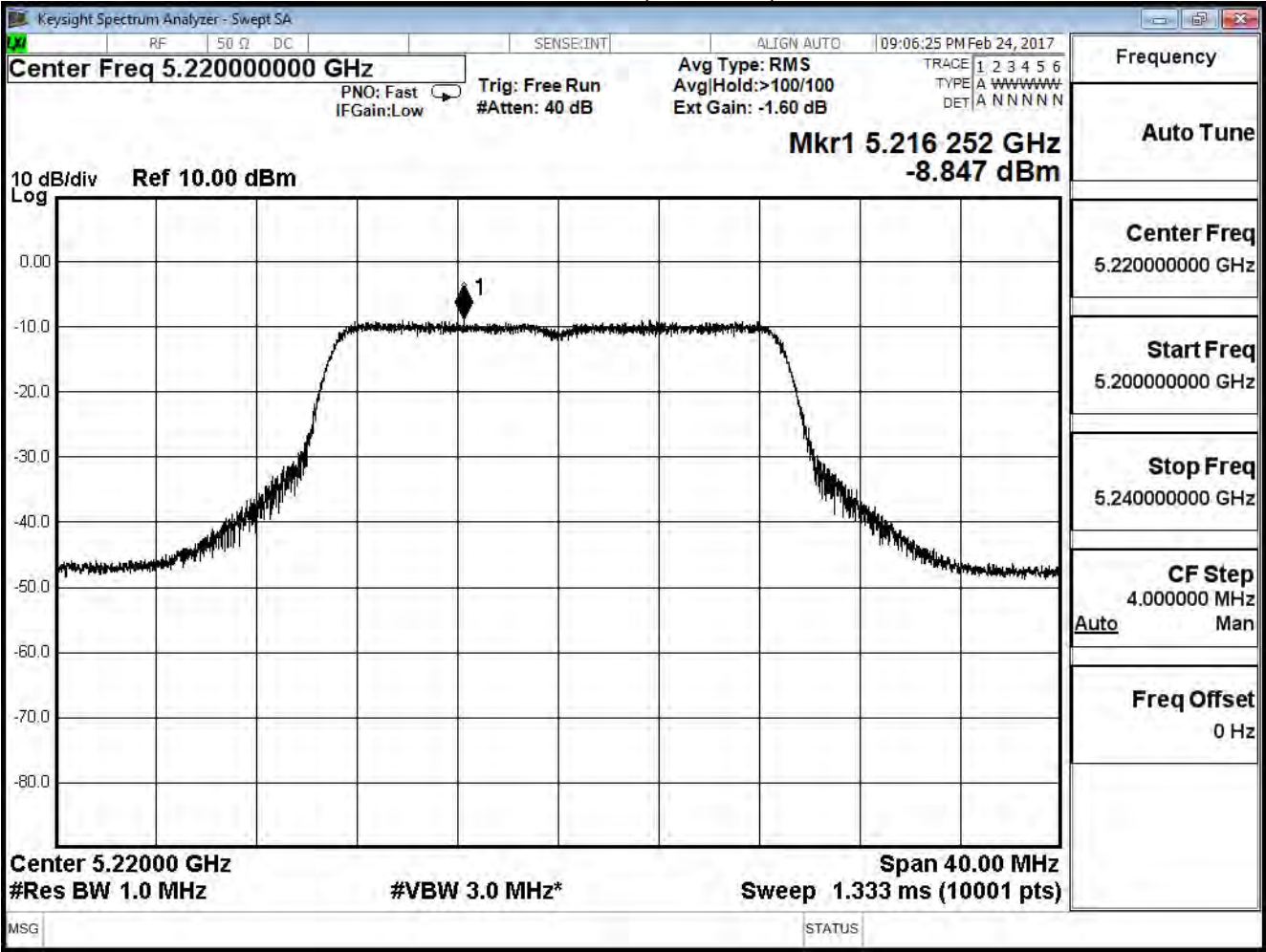
Note:

Required Limit=17dBm-(30.25dBi-23dB)=9.75dBm

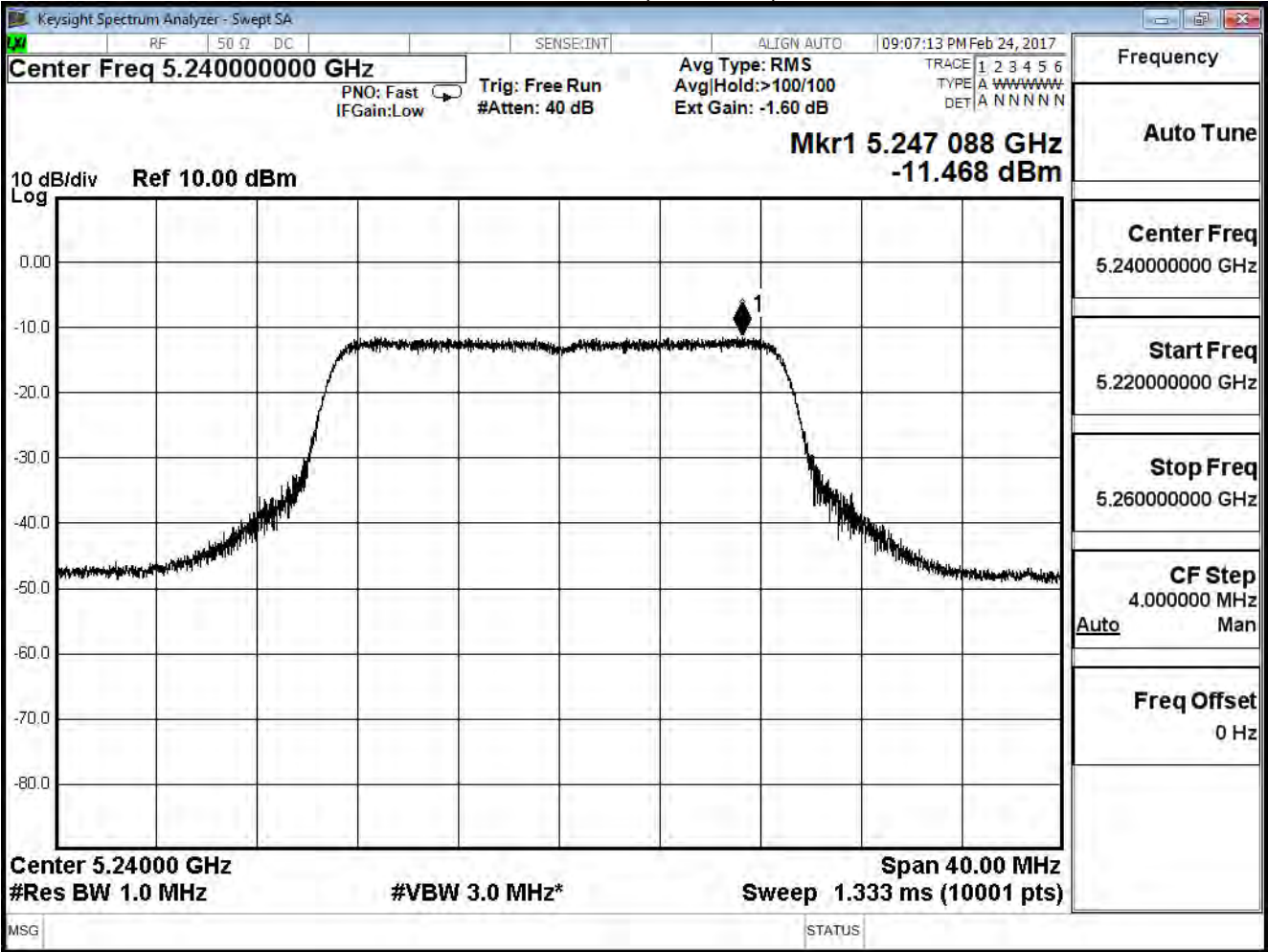
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



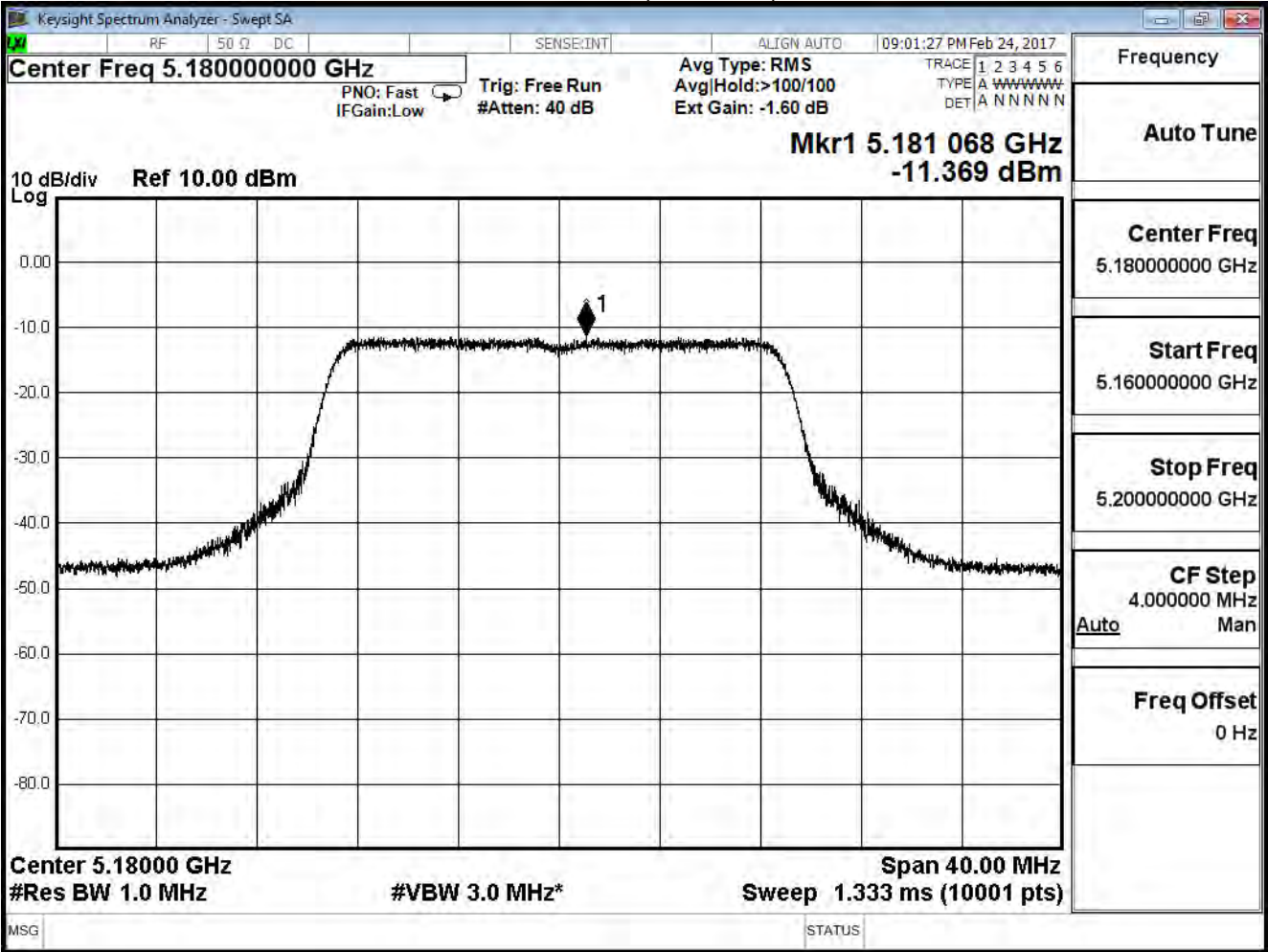
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
36	5180	-11.369	≤ 9.75	Pass
44	5220	-8.294	≤ 9.75	Pass
48	5240	-11.232	≤ 9.75	Pass

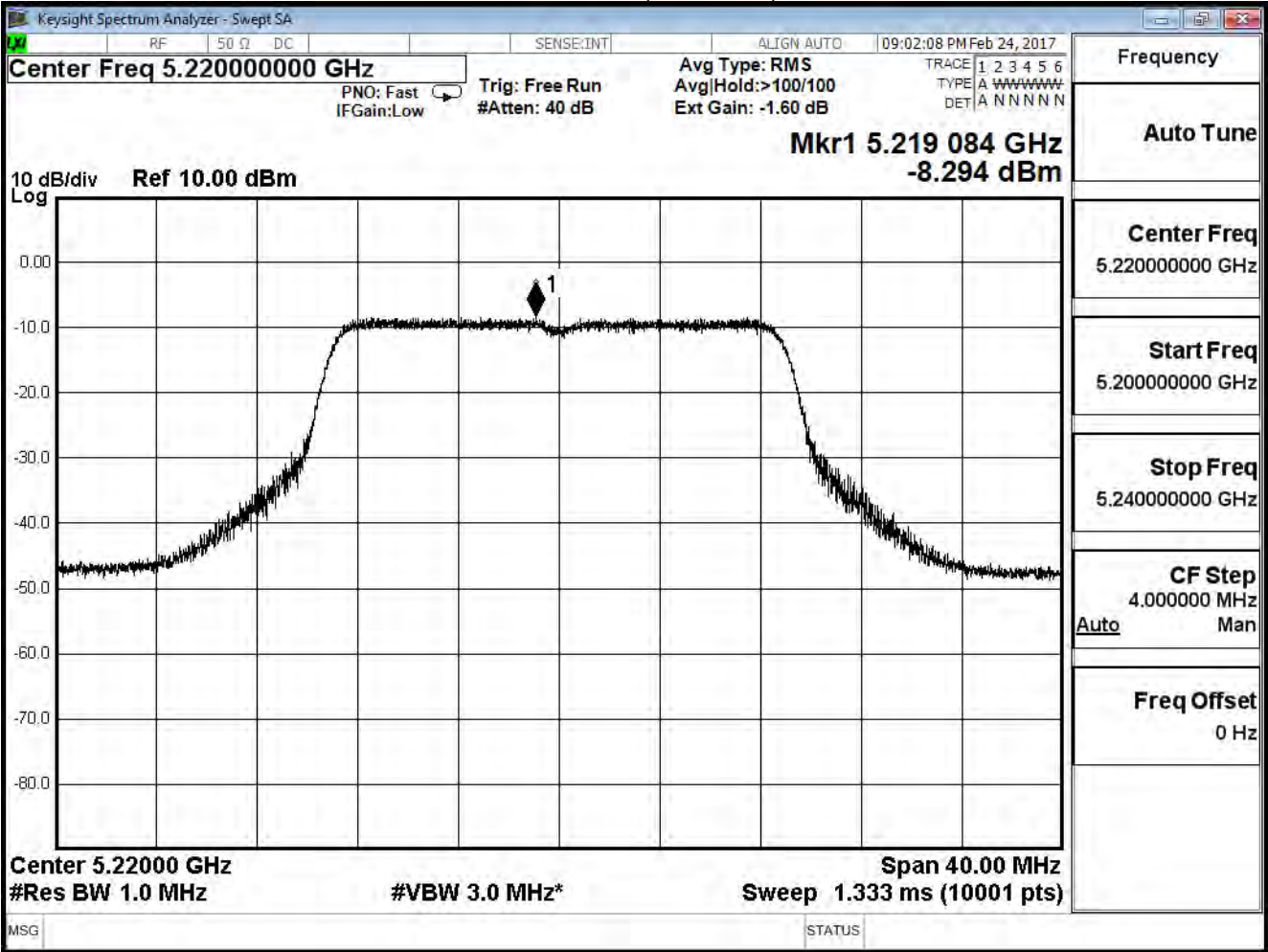
Note:

Required Limit=17dBm-(30.25dBi-23dB)=9.75dBm

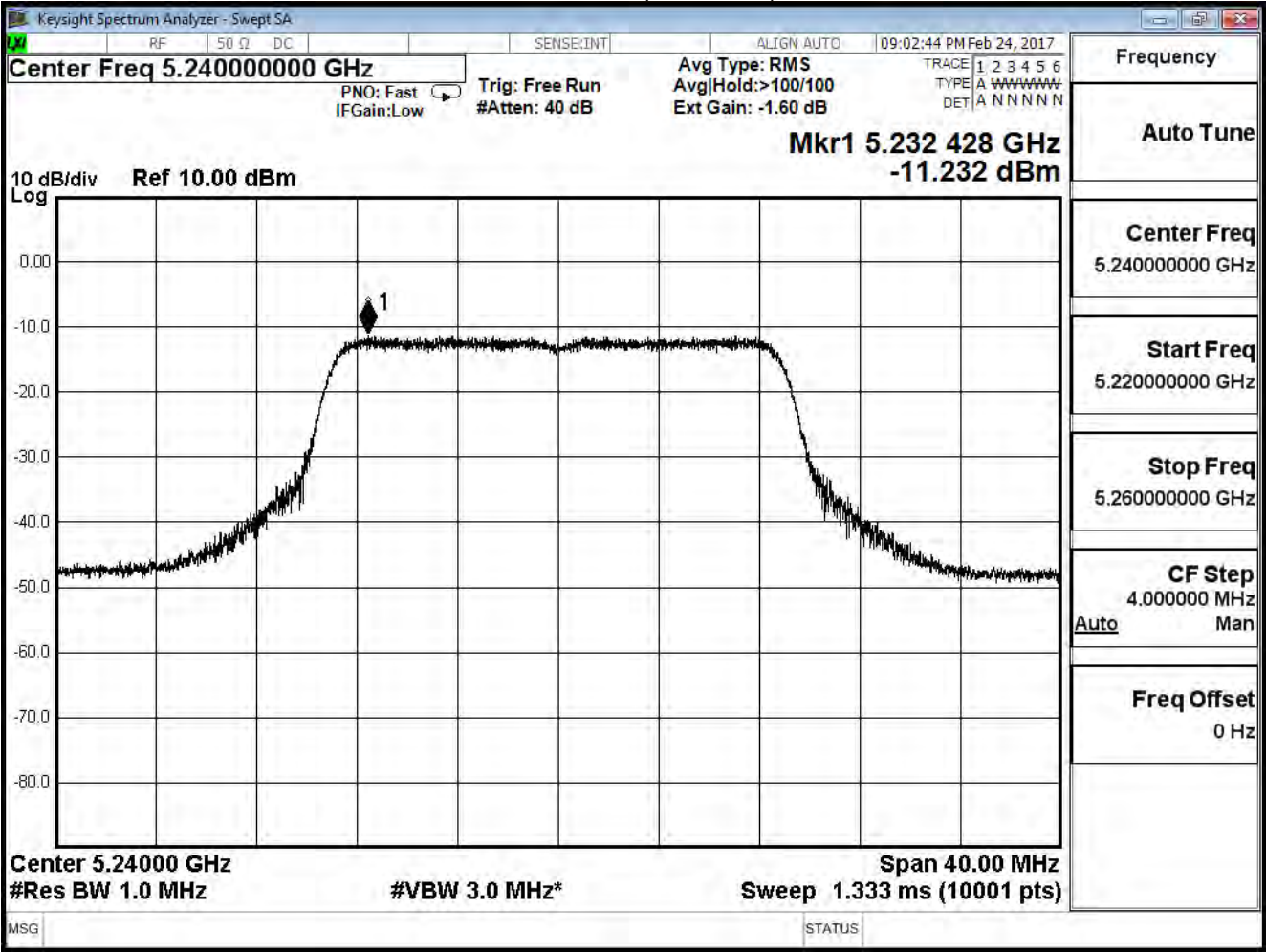
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	-7.995	≤ 9.75	Pass
44	5220	-5.551	≤ 9.75	Pass
48	5240	-8.337	≤ 9.75	Pass

Note:

Required Limit=17dBm-(30.25dBi-23dB)=9.75dBm

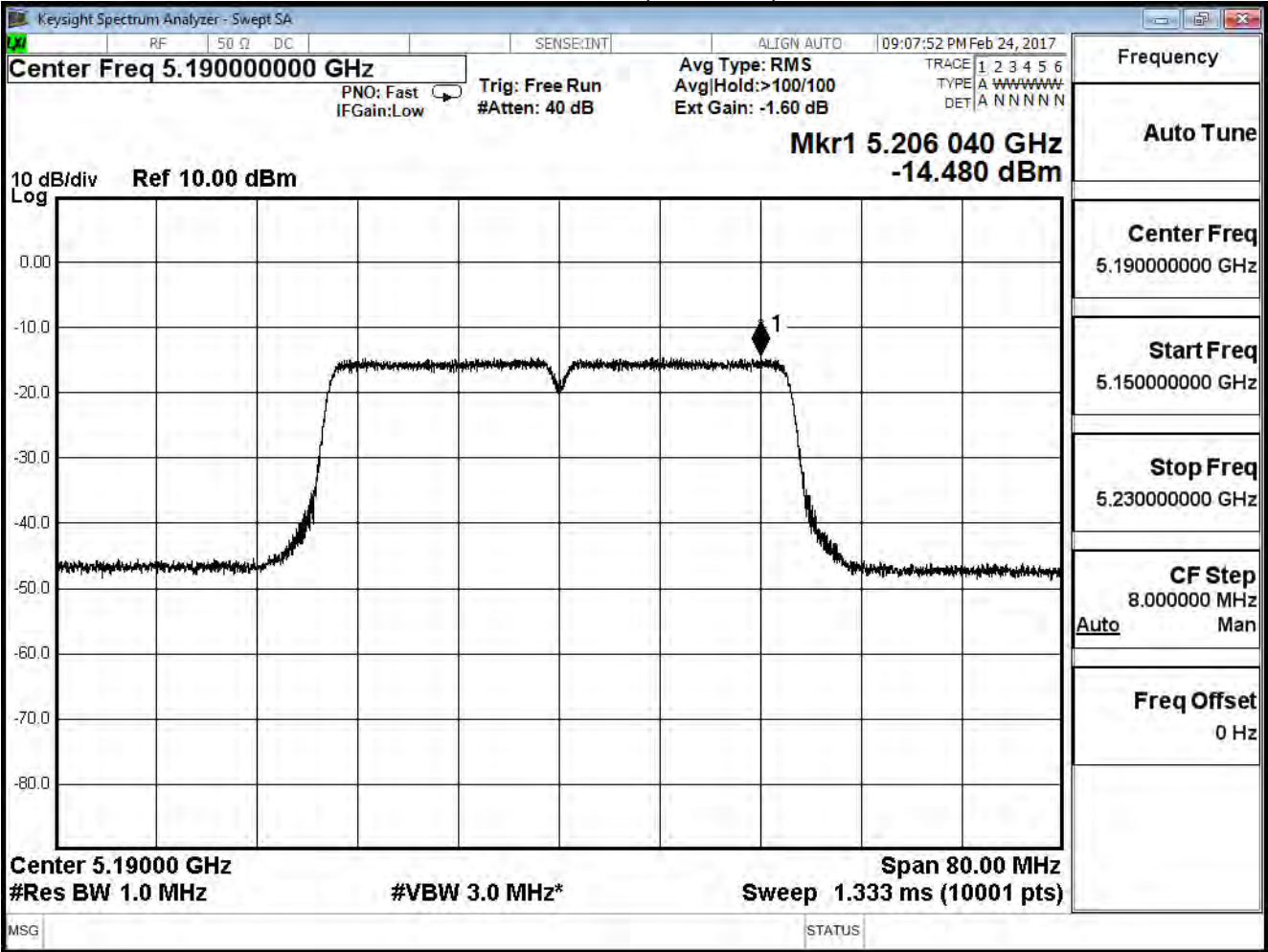
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
38	5190	-14.480	≤ 9.75	Pass
46	5230	-13.895	≤ 9.75	Pass

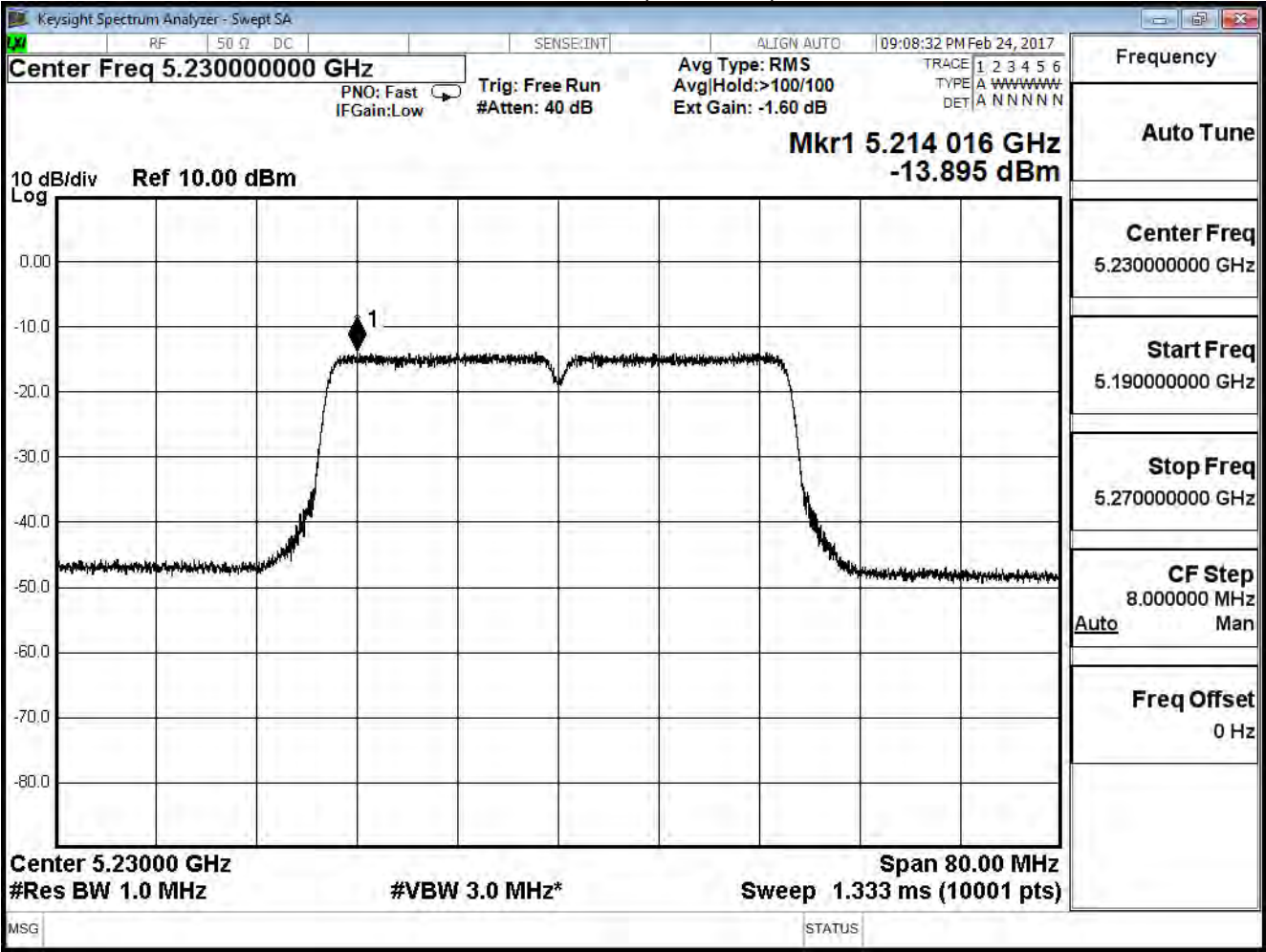
Note:

Required Limit=17dBm-(30.25dBi-23dB)=9.75dBm

Channel 38 (5190MHz)



Channel 46 (5230MHz)



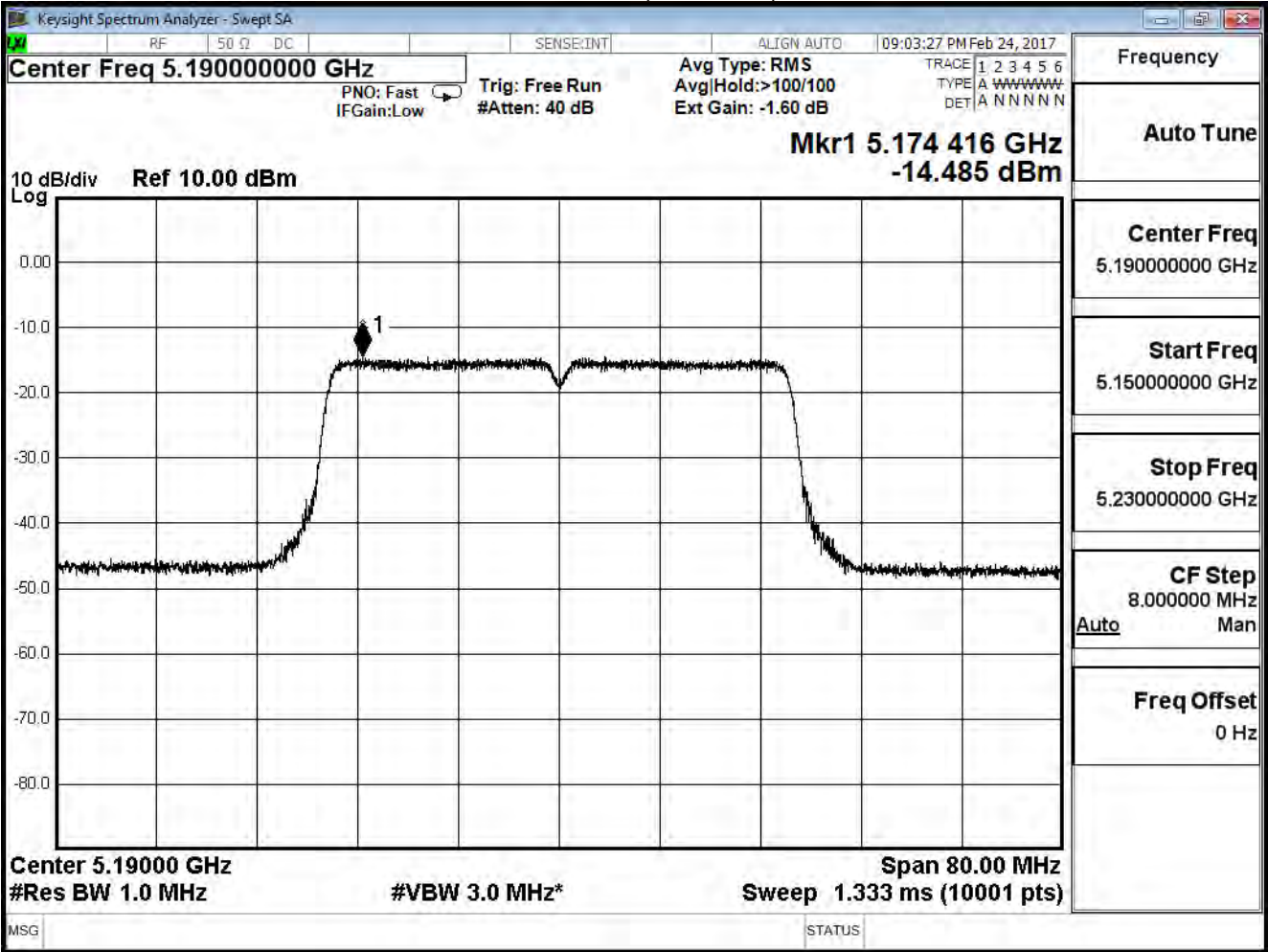
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
38	5190	-14.485	≤ 9.75	Pass
46	5230	-13.364	≤ 9.75	Pass

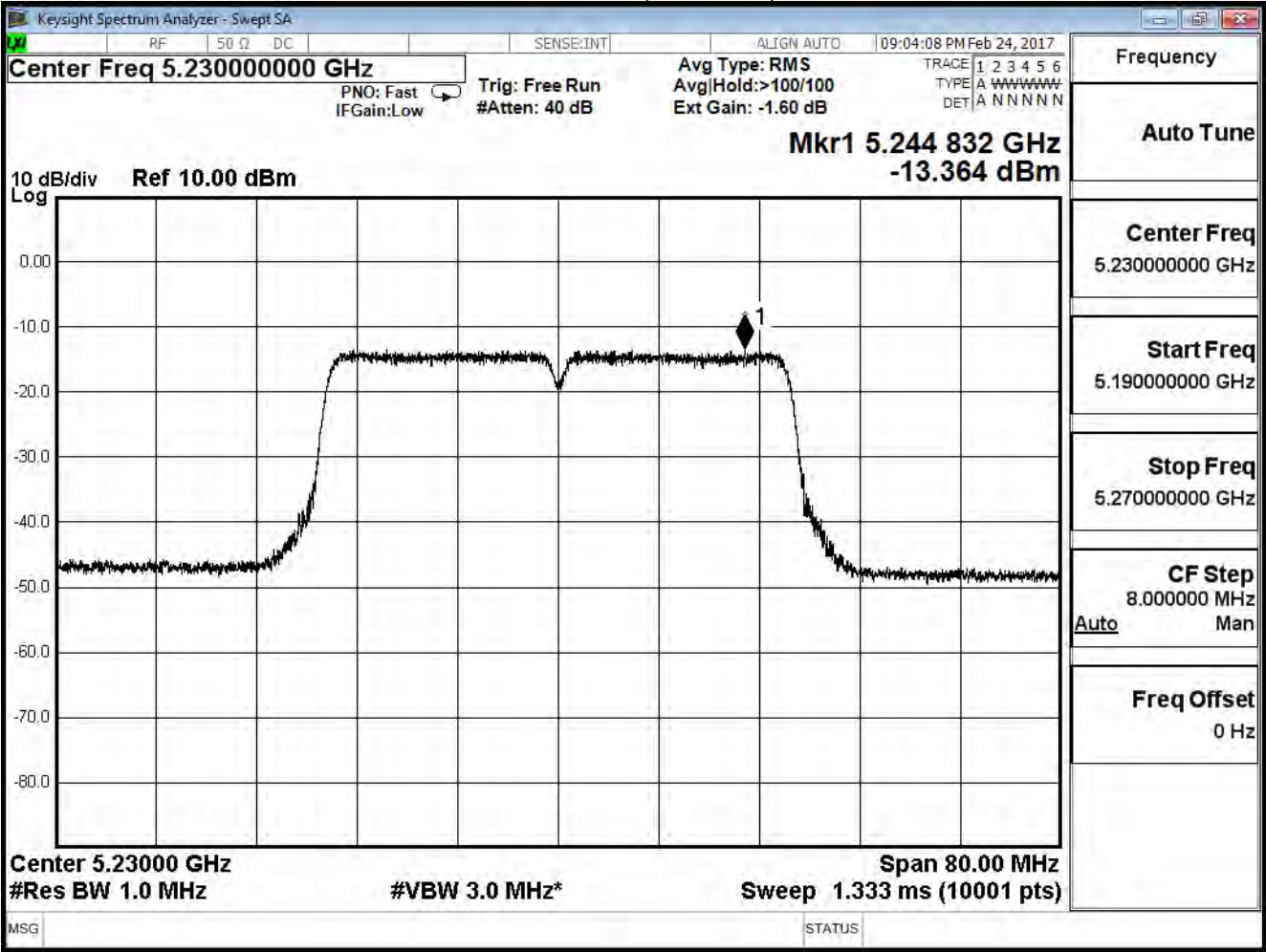
Note:

Required Limit=17dBm-(30.25dBi-23dB)=9.75dBm

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
38	5190	-11.167	≤ 9.75	Pass
46	5230	-10.878	≤ 9.75	Pass

Note:

Required Limit=17dBm-(30.25dBi-23dB)=9.75dBm

Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

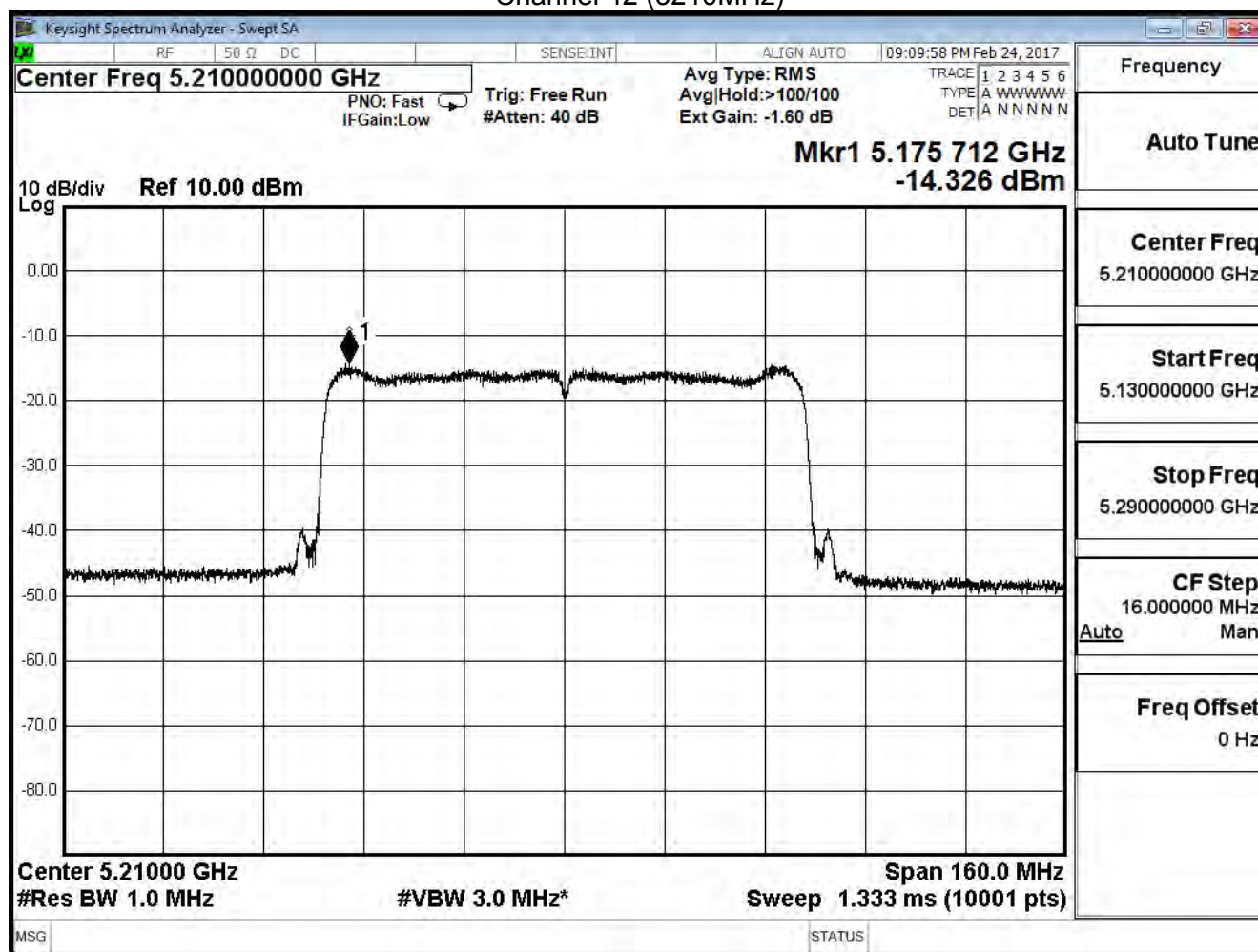
IEEE 802.11ac(80MHz)(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5210	-14.326	≤ 9.75	Pass

Note:

Required Limit=17dBm-(30.25dBi-23dB)=9.75dBm

Channel 42 (5210MHz)



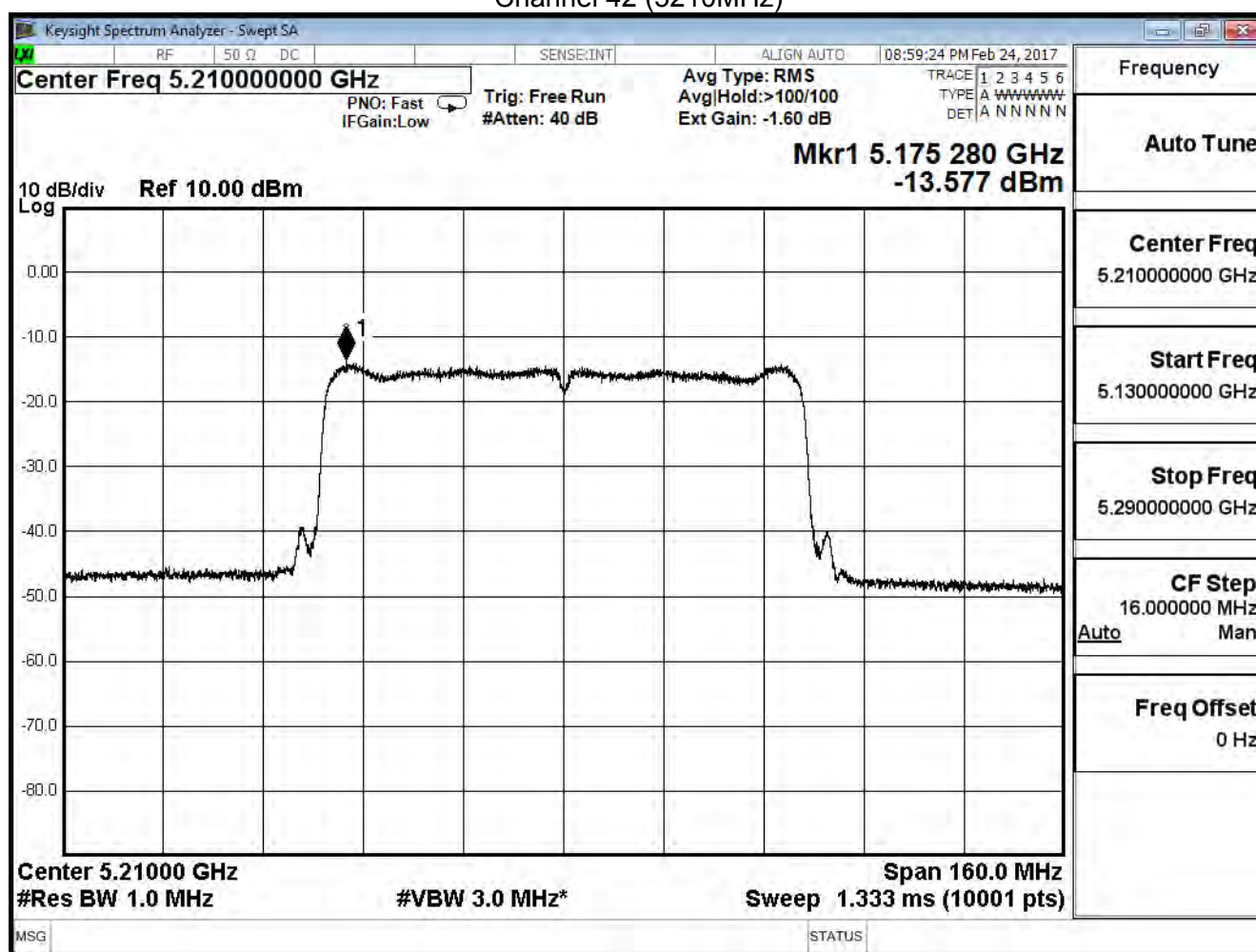
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
36	5210	-13.577	≤ 9.75	Pass

Note:

Required Limit=17dBm-(30.25dBi-23dB)=9.75dBm

Channel 42 (5210MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5210	-10.925	≤ 9.75	Pass

Note:

Required Limit=17dBm-(30.25dBi-23dB)=9.75dBm

Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

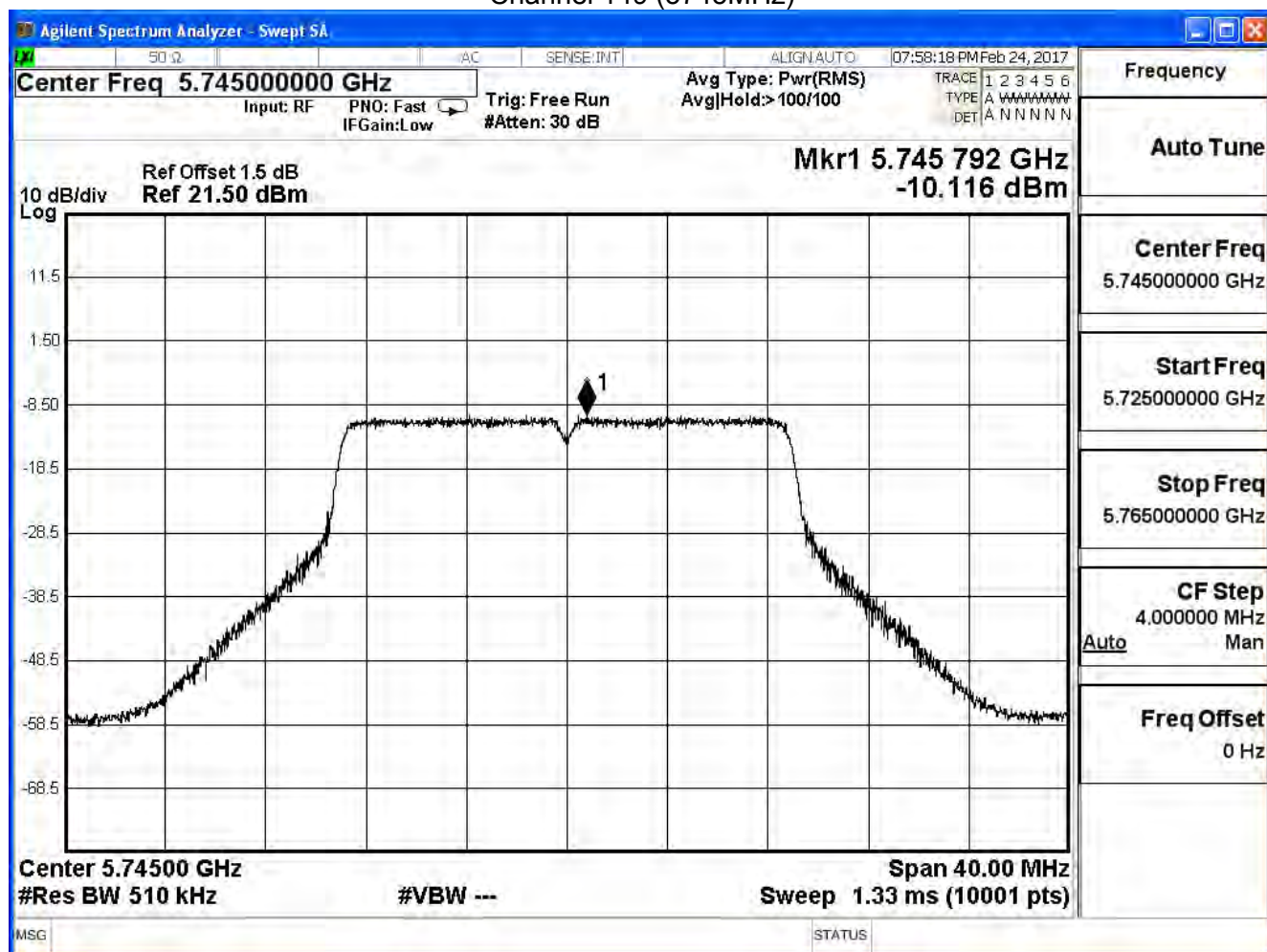
IEEE 802.11n(20MHz)(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-10.116	≤ 5.75	Pass
157	5785	-9.982	≤ 5.75	Pass
165	5825	-10.108	≤ 5.75	Pass

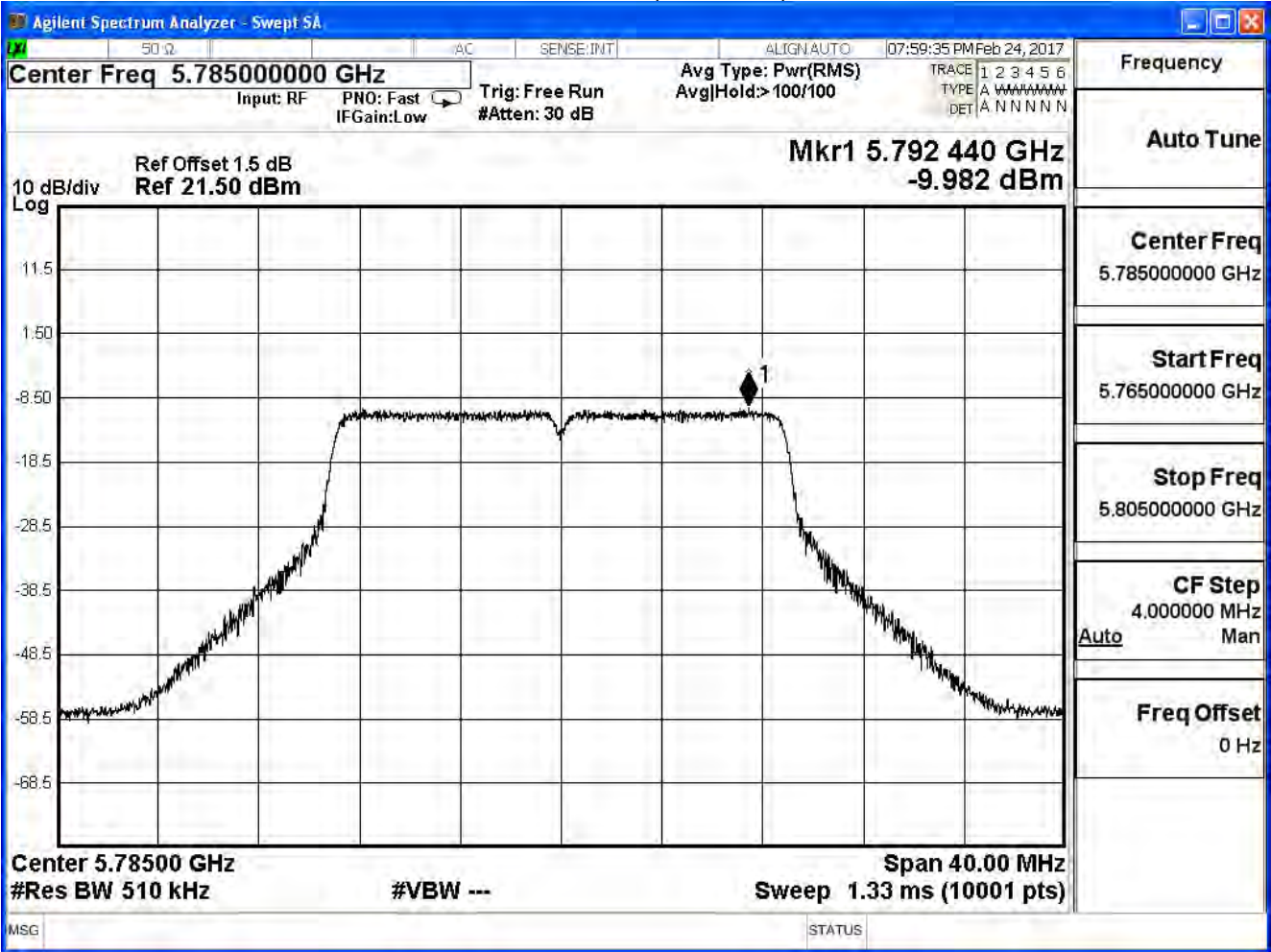
Note:

Required Limit=30dBm-(30.25Bi-6dB)=5.75dBm

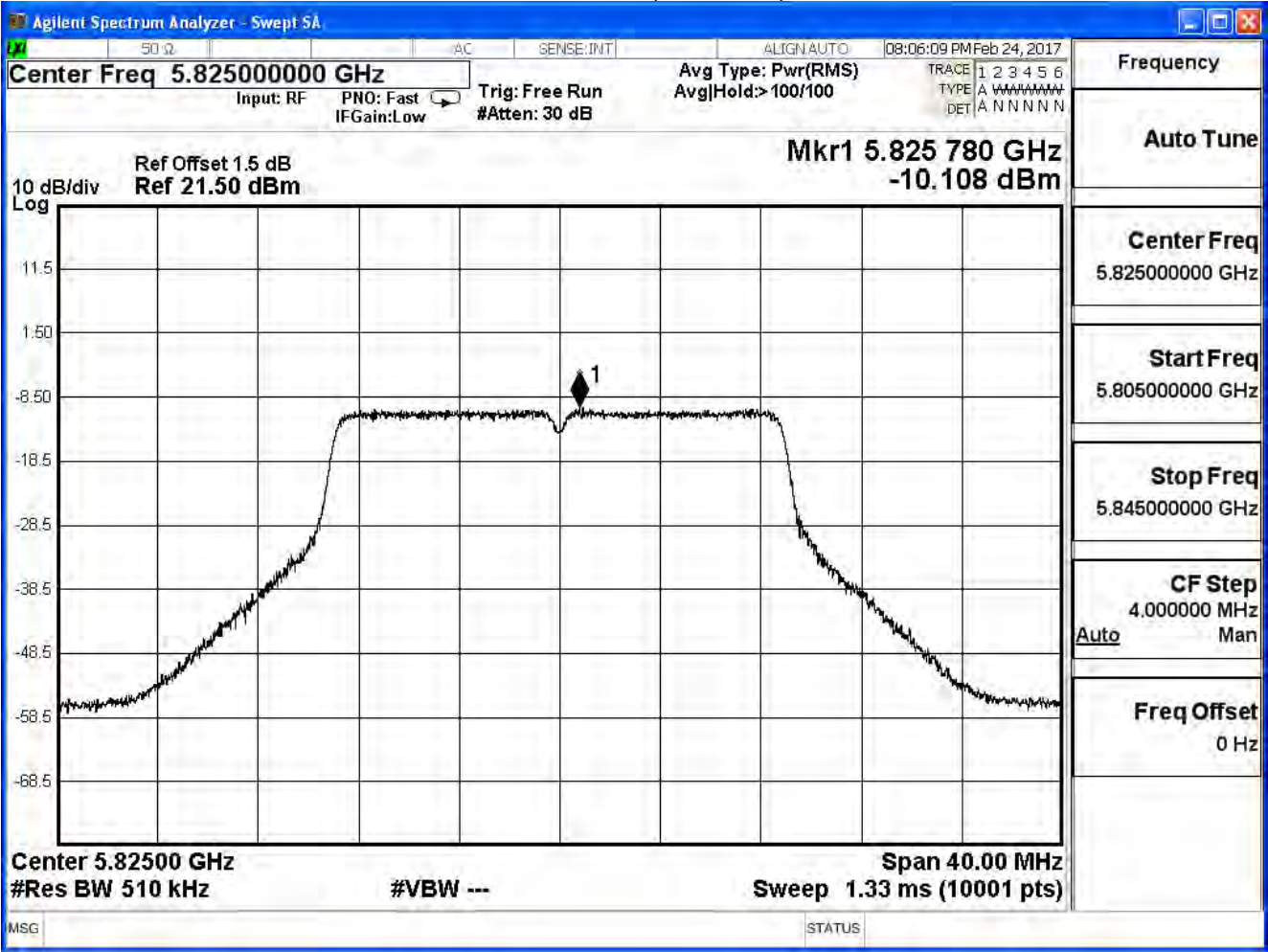
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

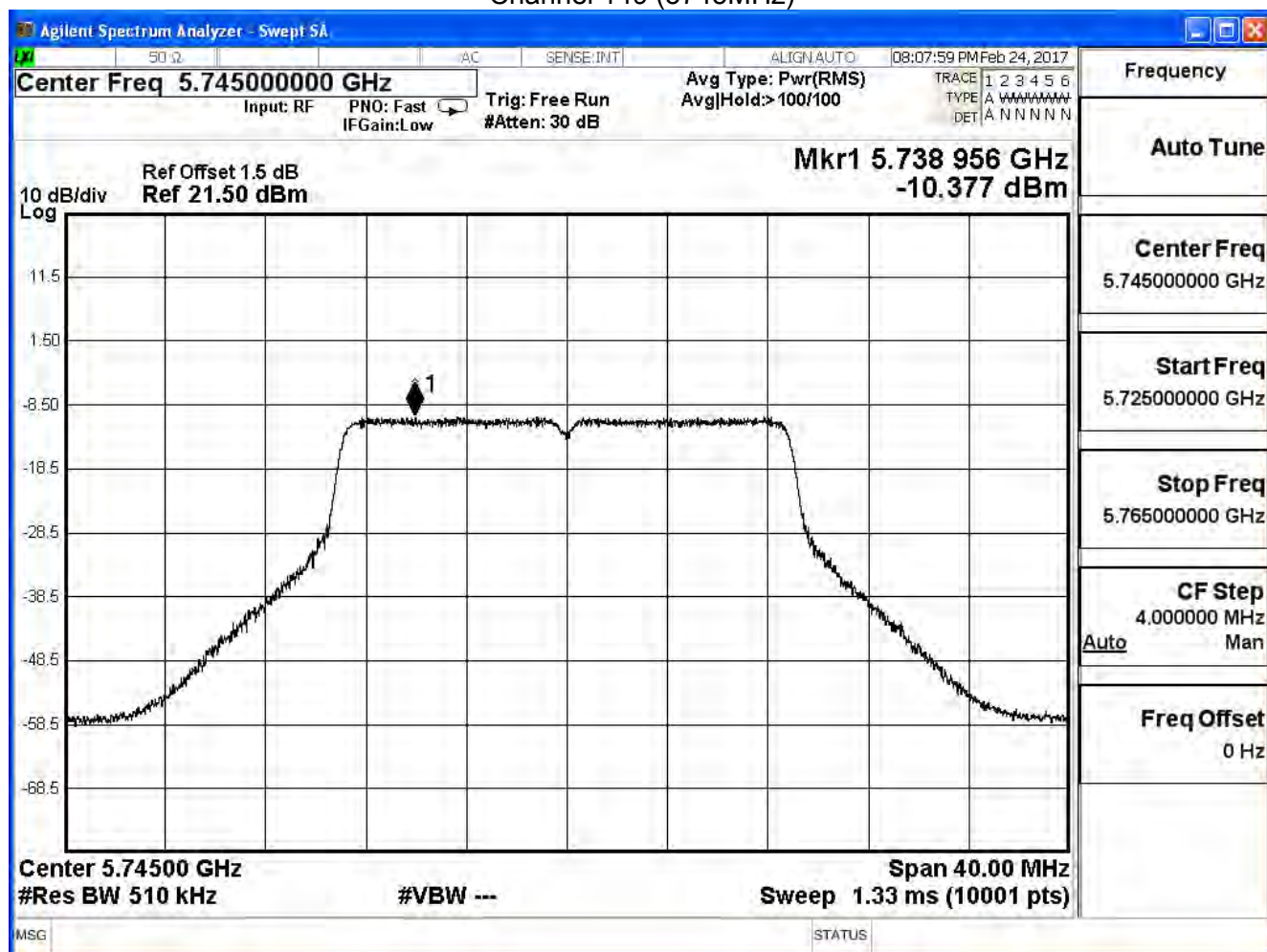
IEEE 802.11n(20MHz) (ANT 1)

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
149	5745	-10.377	≤ 5.75	Pass
157	5785	-9.833	≤ 5.75	Pass
165	5825	-10.256	≤ 5.75	Pass

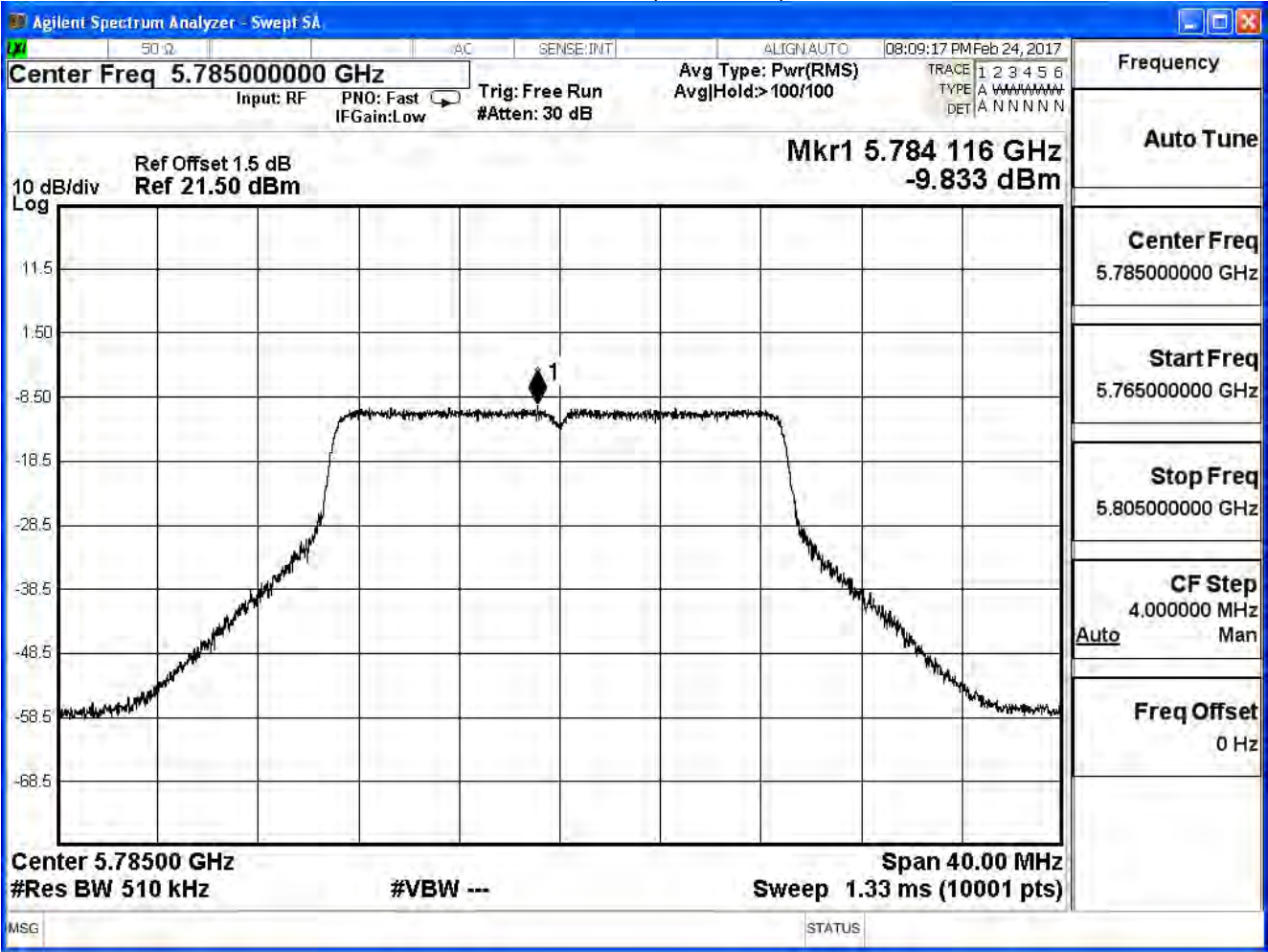
Note:

Required Limit=30dBm-(30.25Bi-6dB)=5.75dBm

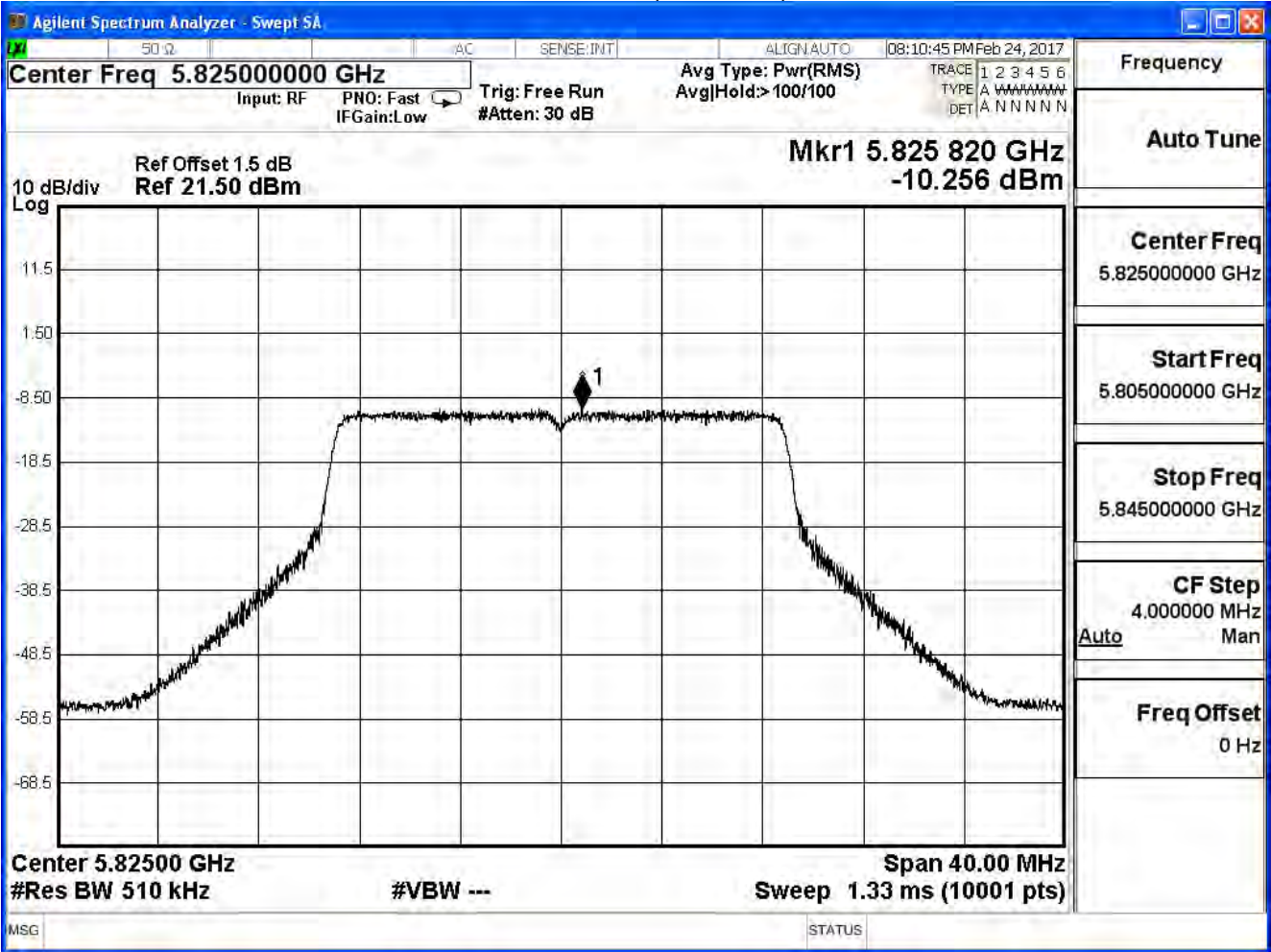
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
149	5745	-7.234	≤ 5.75	Pass
157	5785	-6.897	≤ 5.75	Pass
165	5825	-7.171	≤ 5.75	Pass

Note:

Required Limit=30dBm-(30.25Bi-6dB)=5.75dBm

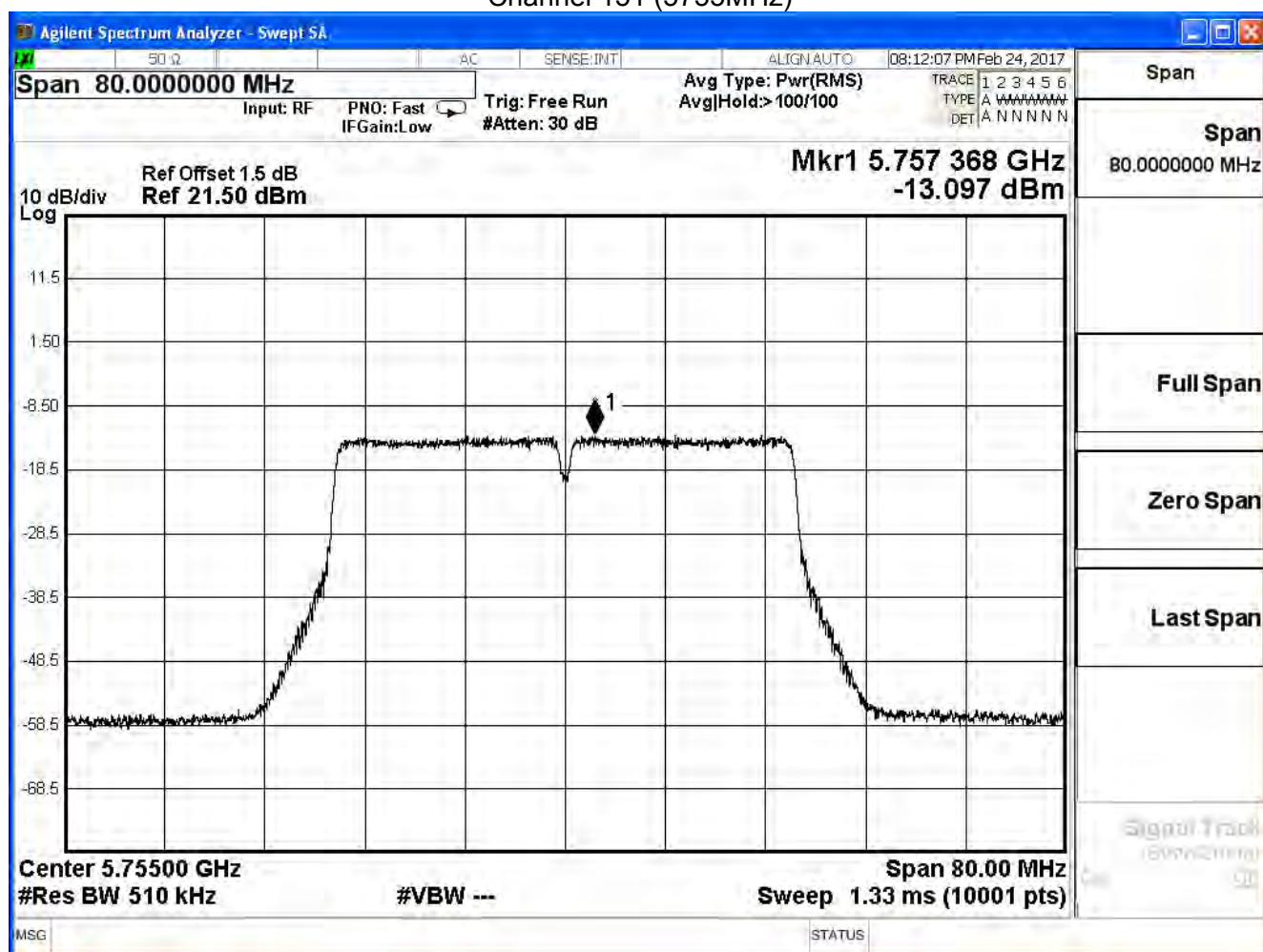
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-13.097	≤ 5.75	Pass
159	5795	-13.021	≤ 5.75	Pass

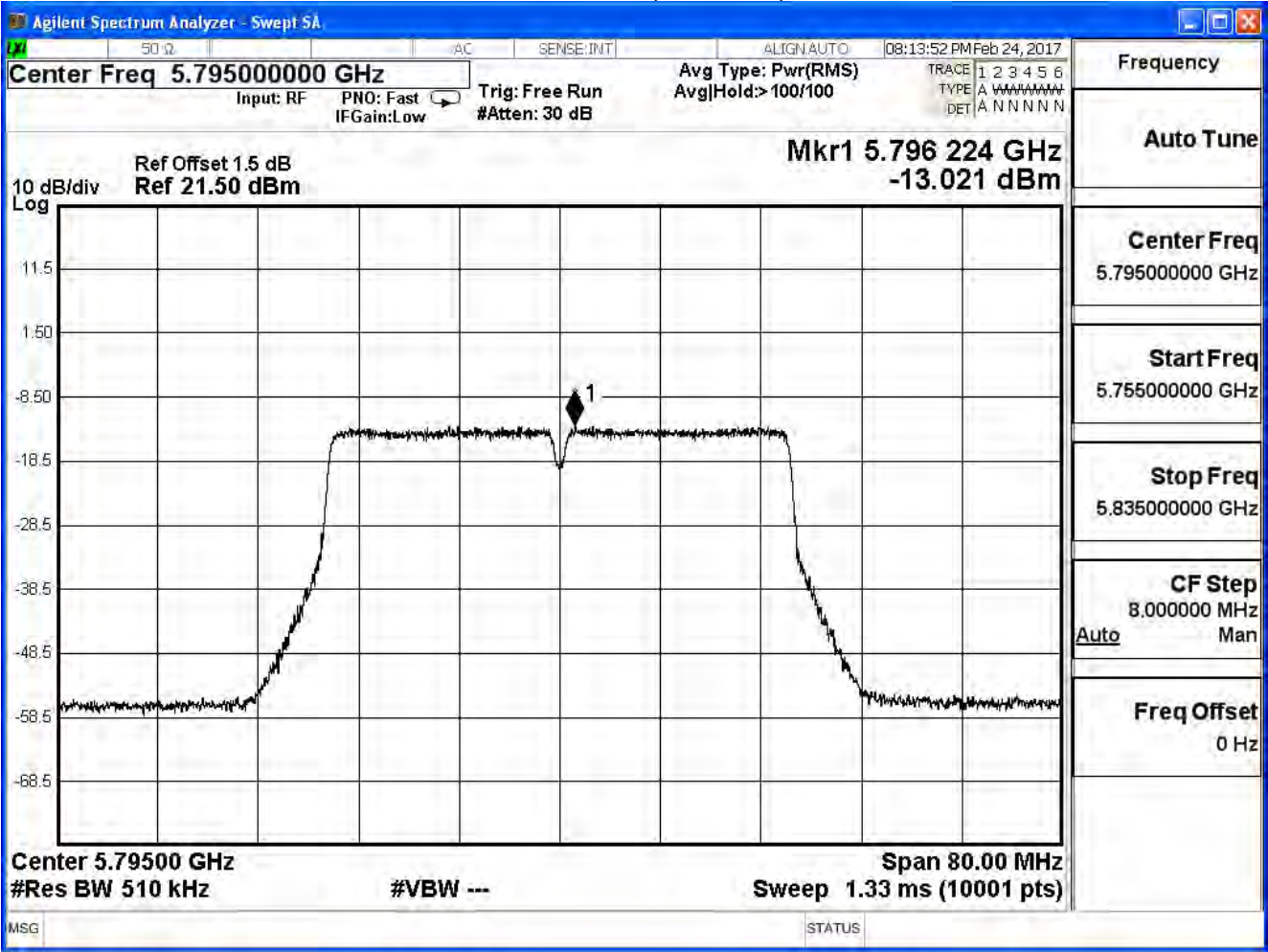
Note:

Required Limit=30dBm-(30.25Bi-6dB)=5.75dBm

Channel 151 (5755MHz)



Channel 159 (5795MHz)



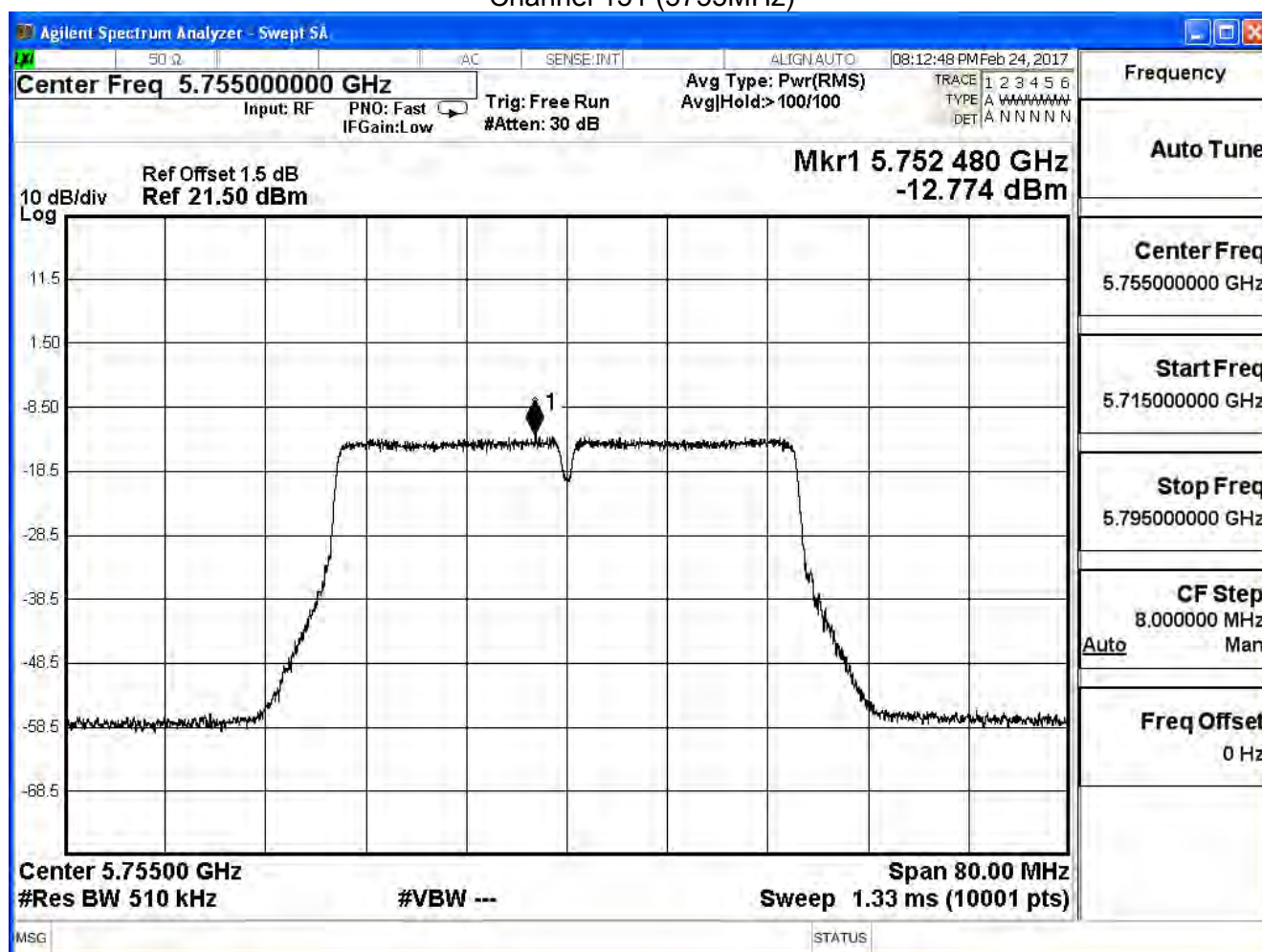
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
151	5755	-12.774	≤ 5.75	Pass
159	5795	-13.002	≤ 5.75	Pass

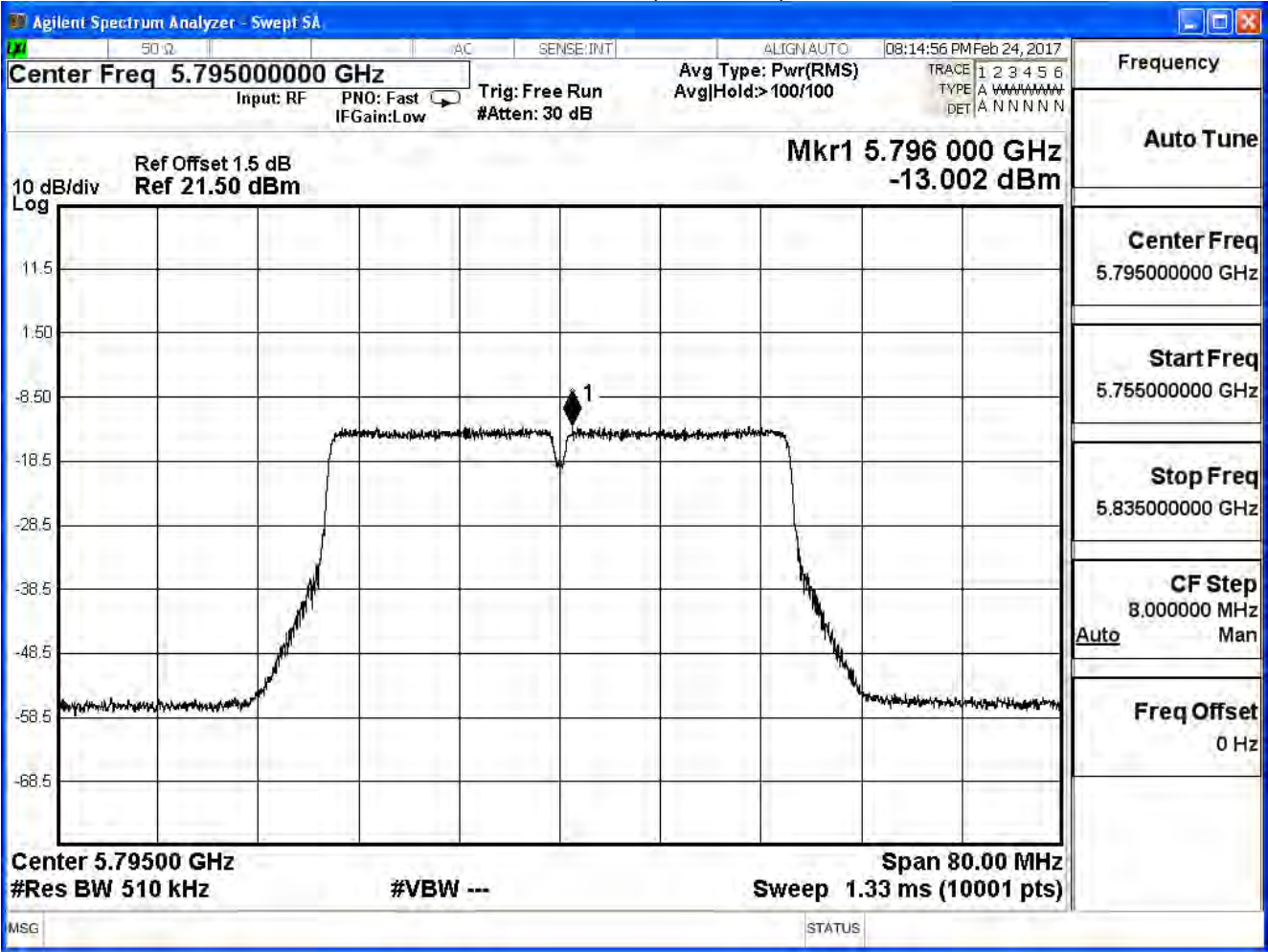
Note:

Required Limit=30dBm-(30.25Bi-6dB)=5.75dBm

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	-9.922	≤ 5.75	Pass
159	5795	-10.001	≤ 5.75	Pass

Note:

Required Limit=30dBm-(30.25Bi-6dB)=5.75dBm

Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

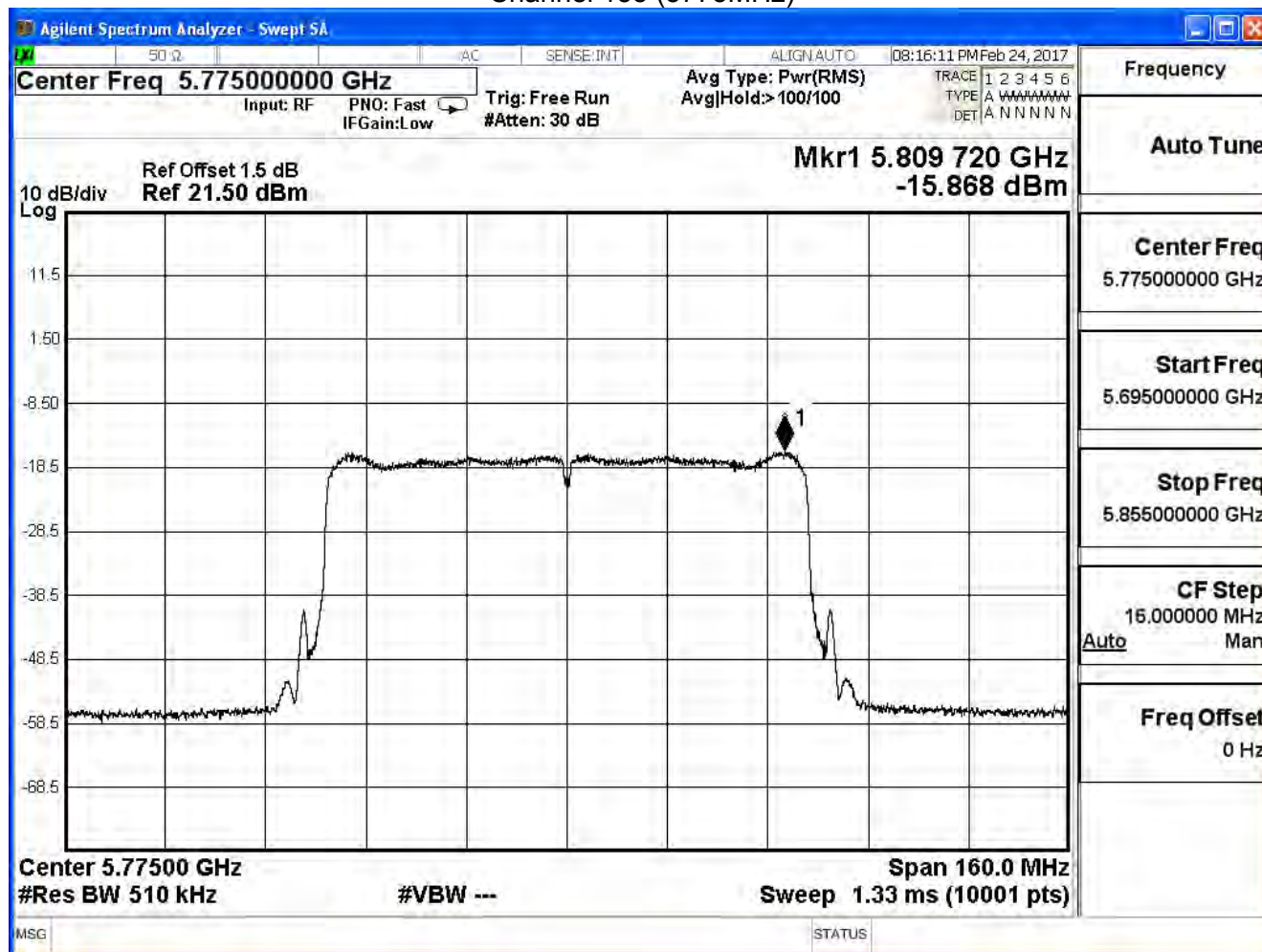
IEEE 802.11ac(80MHz)(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-15.868	≤ 5.75	Pass

Note:

Required Limit=30dBm-(30.25Bi-6dB)=5.75dBm

Channel 155 (5775MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

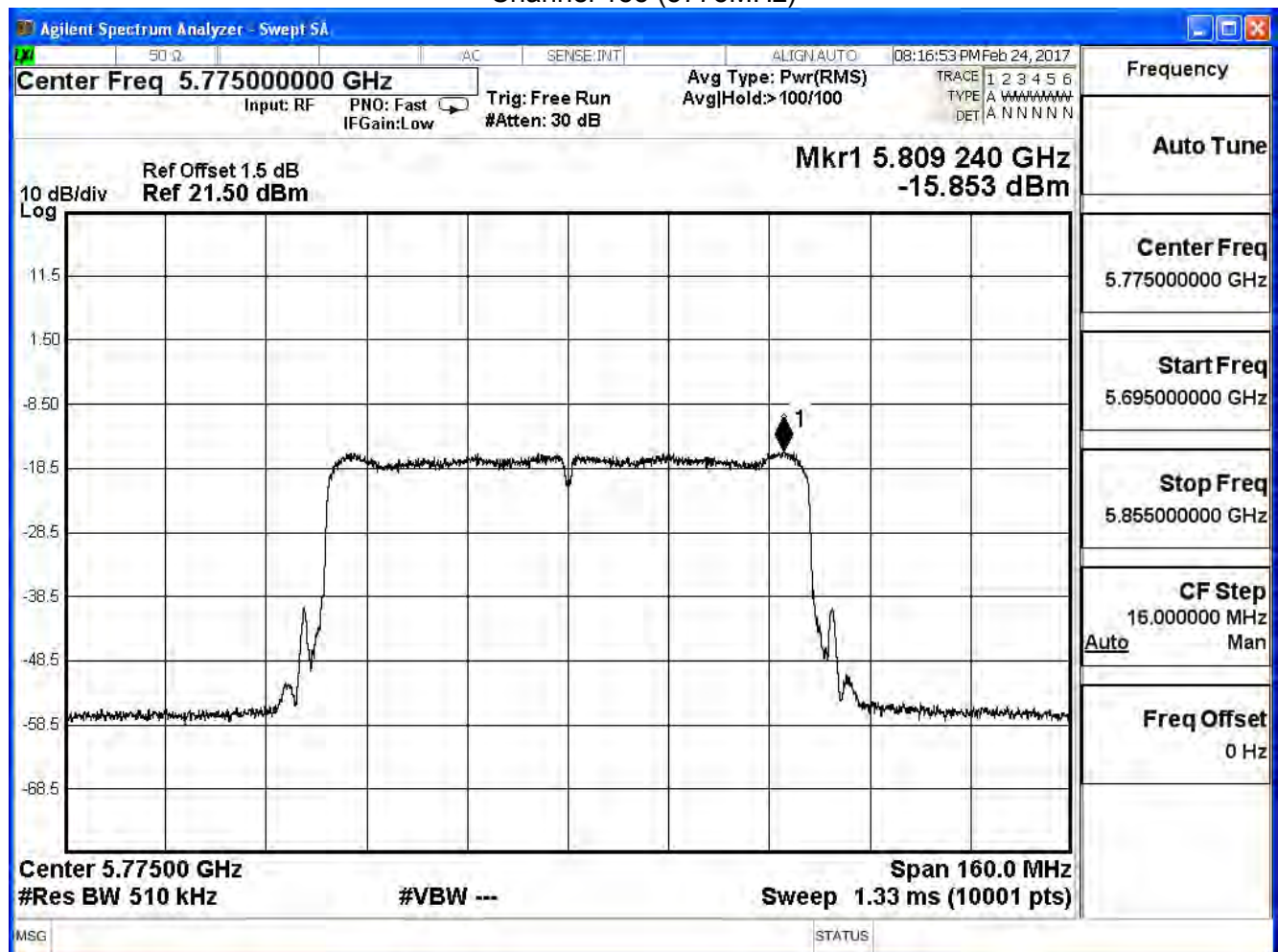
IEEE 802.11ac(80MHz) (ANT 1)

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
155	5775	-15.853	≤ 5.75	Pass

Note:

Required Limit=30dBm-(30.25Bi-6dB)=5.75dBm

Channel 155 (5775MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 1: Tx-Dish ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	-12.850	≤ 5.75	Pass

Note:

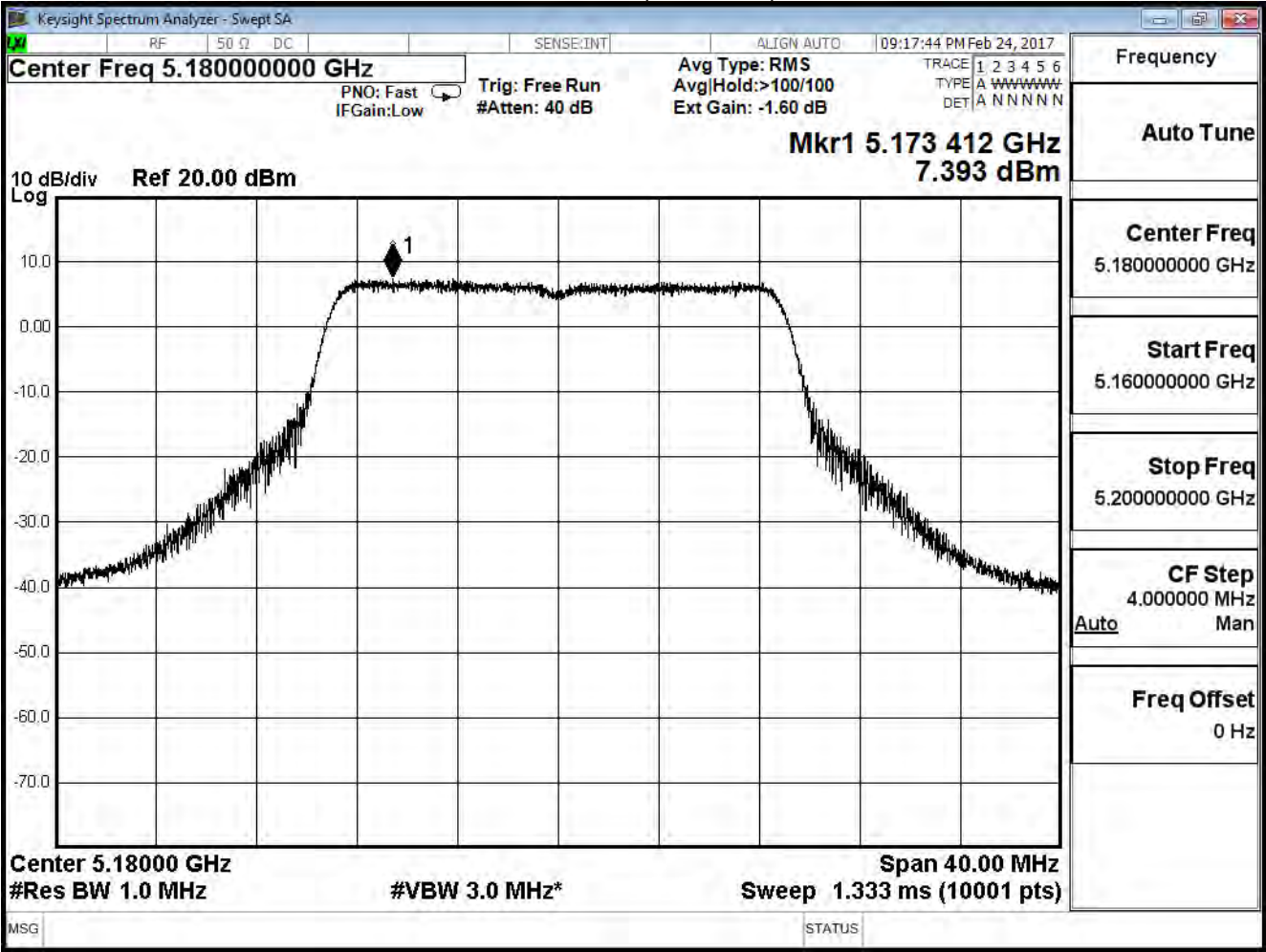
Required Limit=30dBm-(30.25Bi-6dB)=5.75dBm

Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

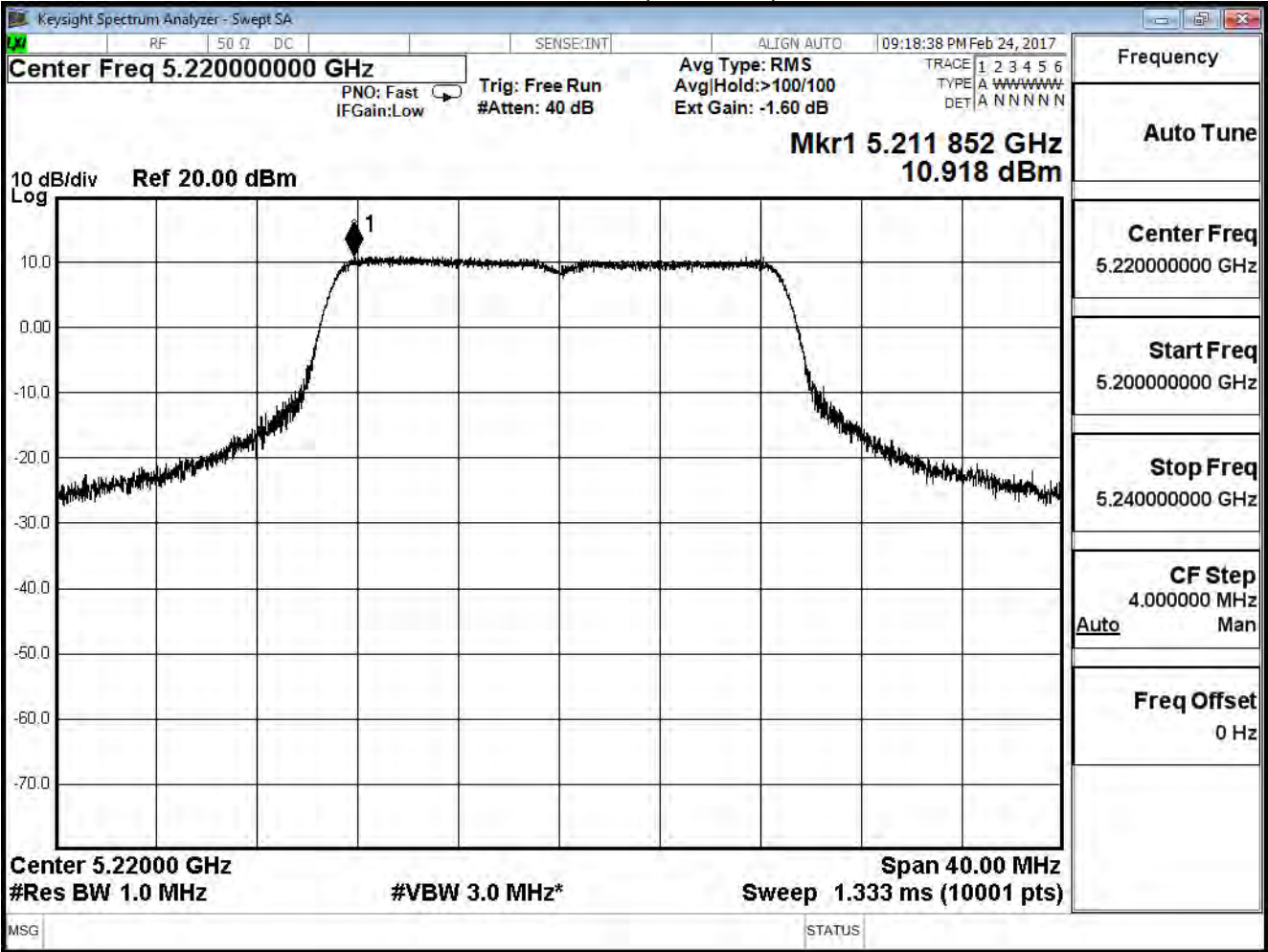
IEEE 802.11n(20MHz)(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	7.393	≤ 17	Pass
44	5220	10.918	≤ 17	Pass
48	5240	11.313	≤ 17	Pass

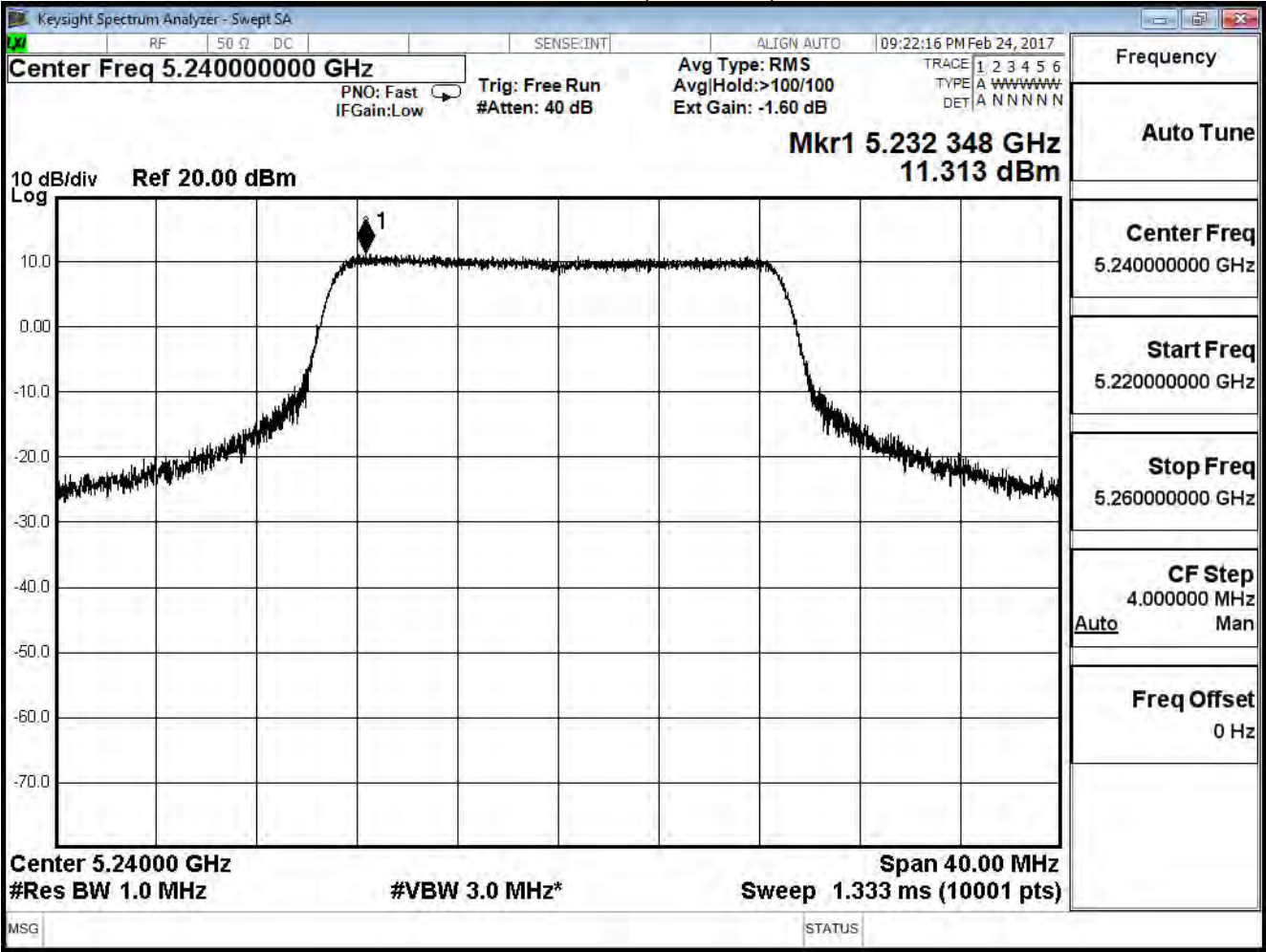
Channel 36 (5180MHz)



Channel 44 (5220MHz)



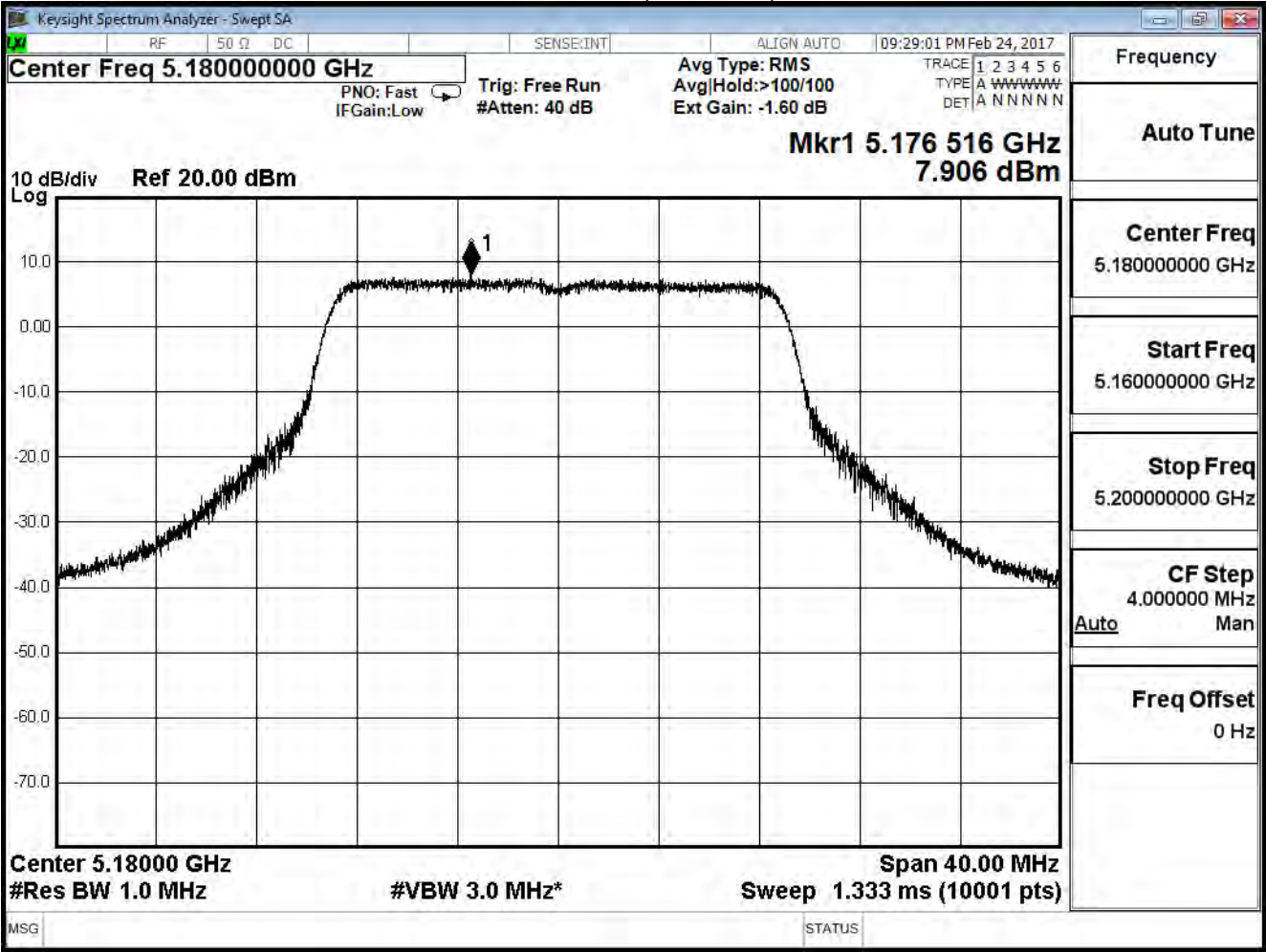
Channel 48 (5240MHz)



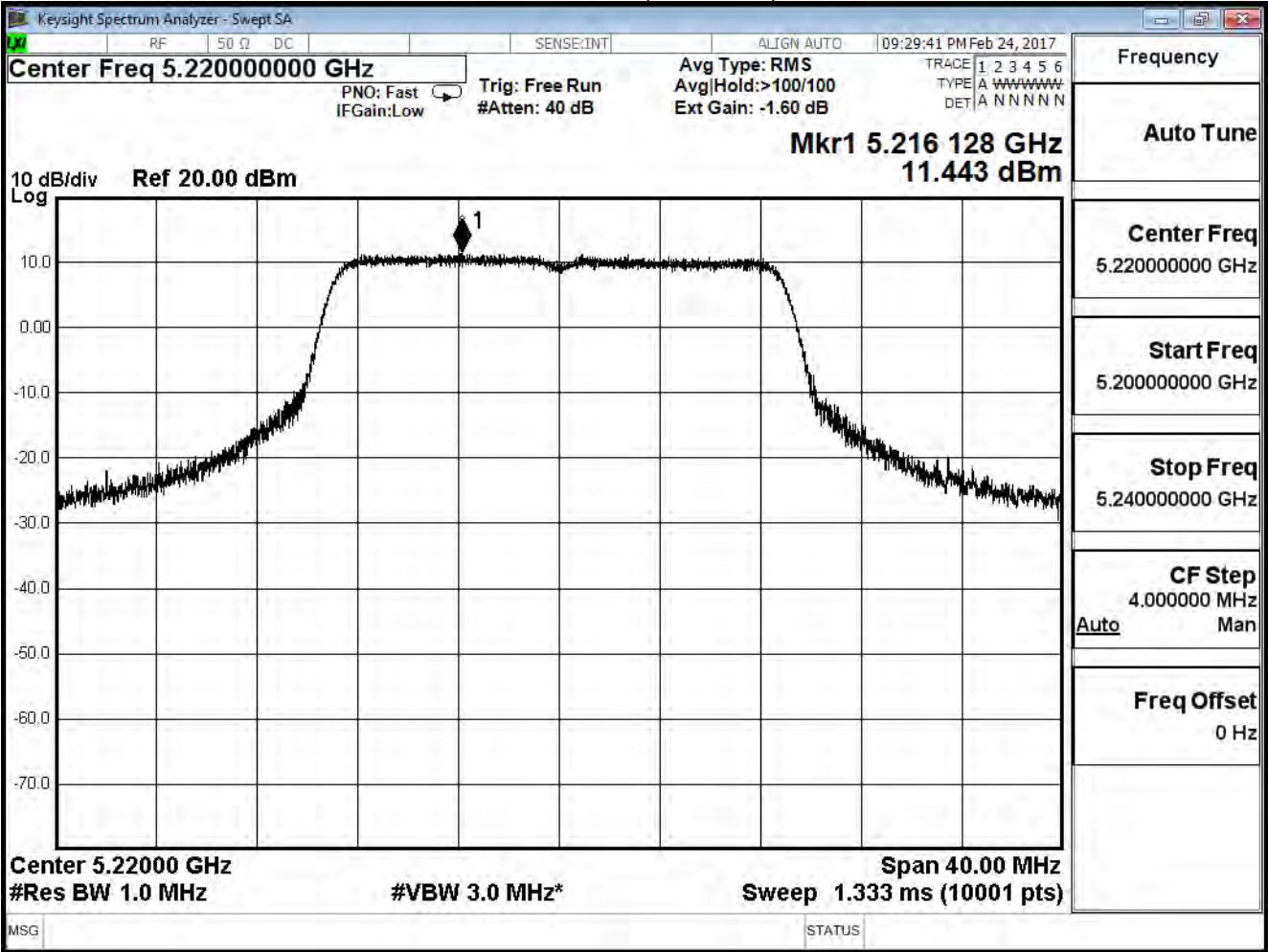
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
36	5180	7.906	≤ 17	Pass
44	5220	11.443	≤ 17	Pass
48	5240	11.707	≤ 17	Pass

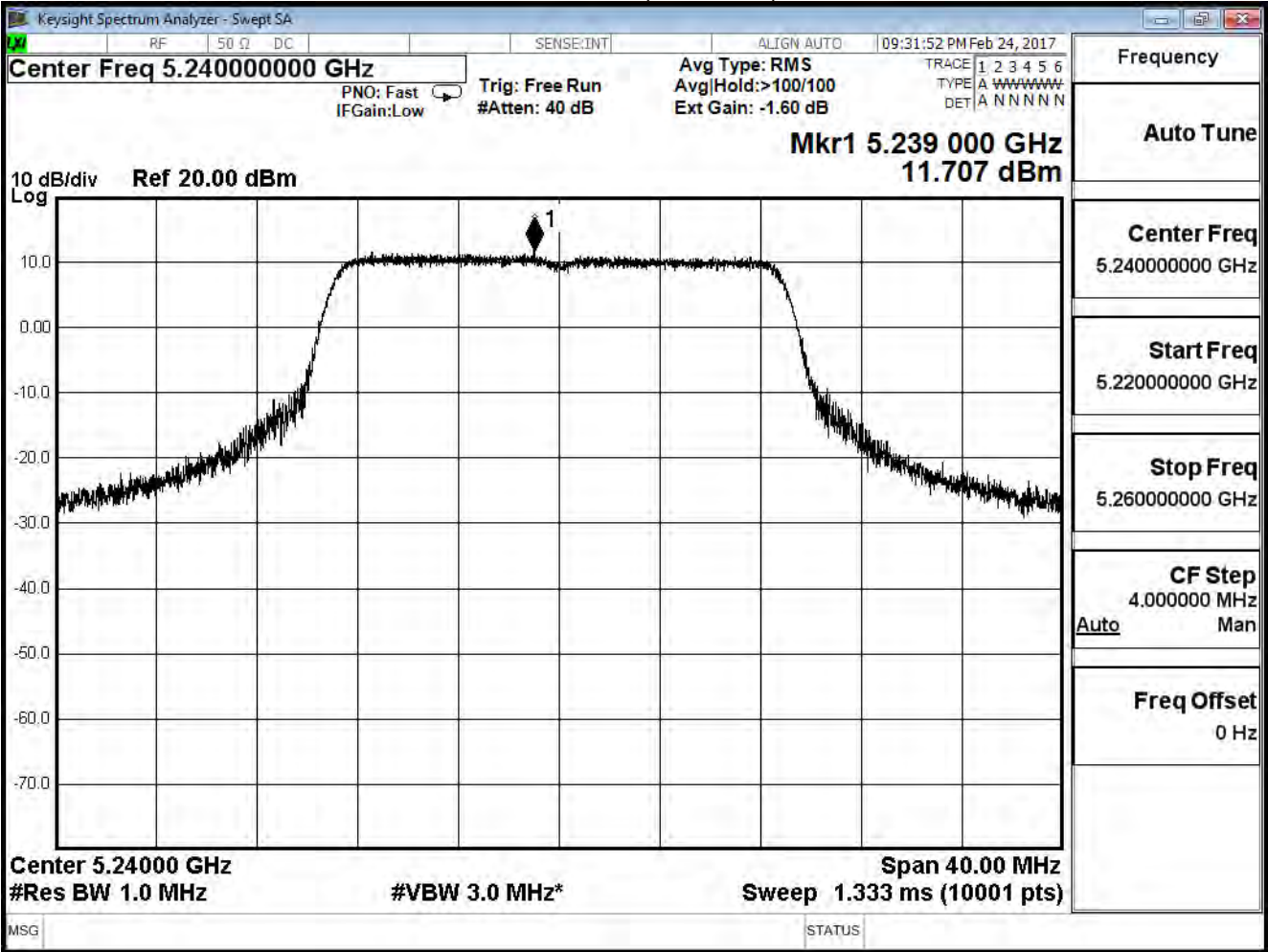
Channel 36 (5180MHz)



Channel 44 (5220MHz)



Channel 48 (5240MHz)



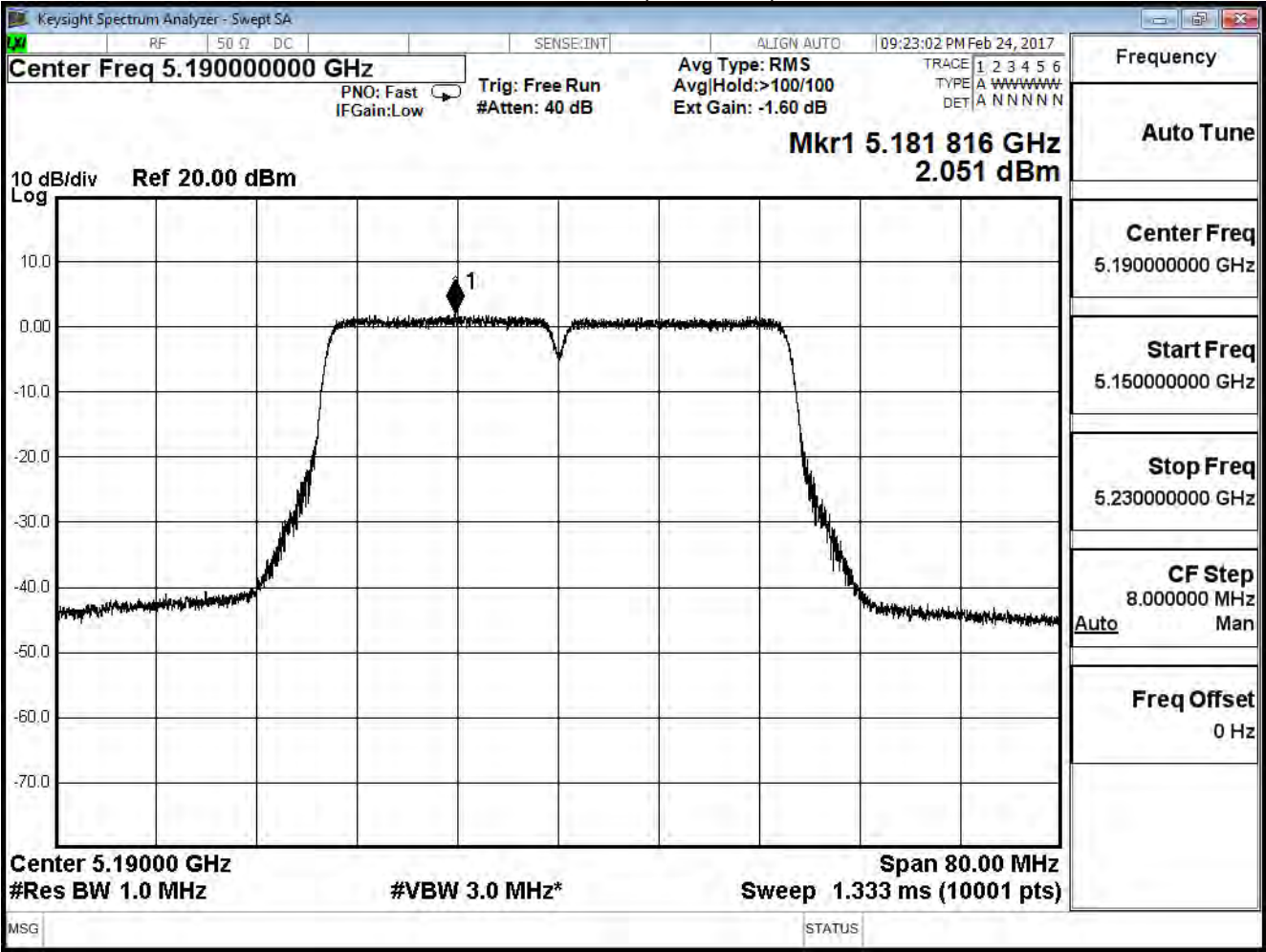
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
36	5180	10.667	≤ 17	Pass
44	5220	14.199	≤ 17	Pass
48	5240	14.525	≤ 17	Pass

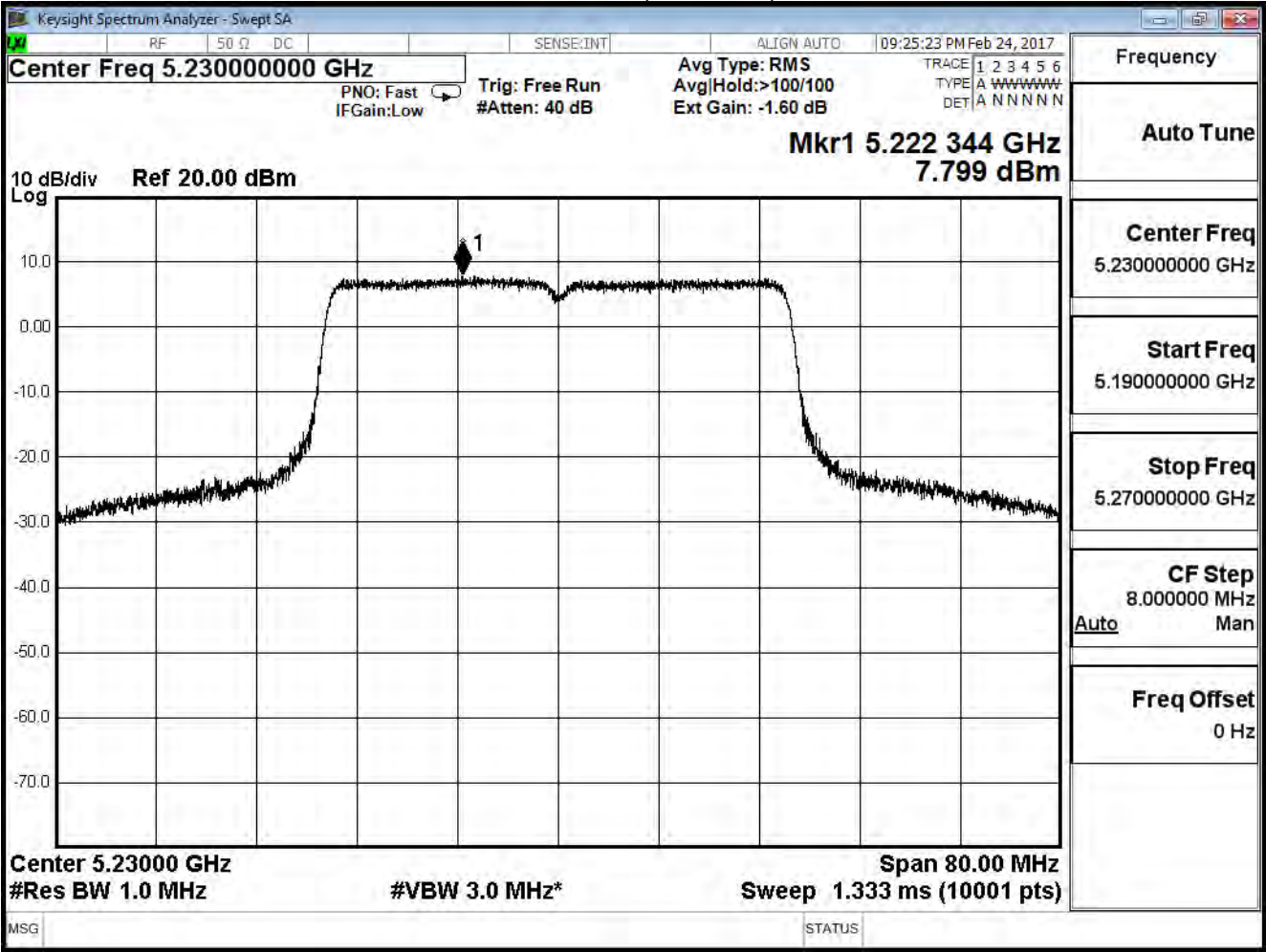
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
38	5190	2.051	≤ 17	Pass
46	5230	7.799	≤ 17	Pass

Channel 38 (5190MHz)



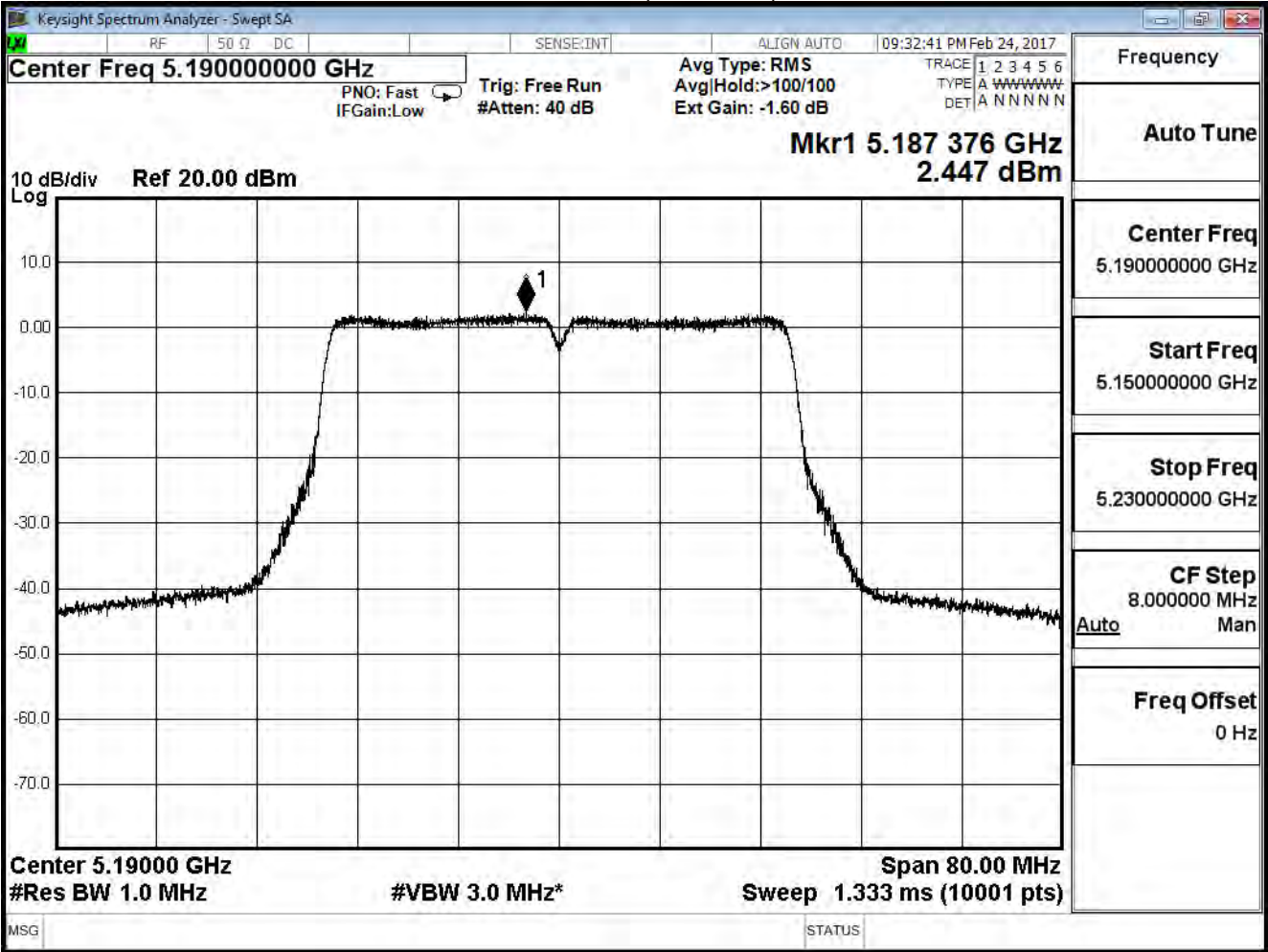
Channel 46 (5230MHz)



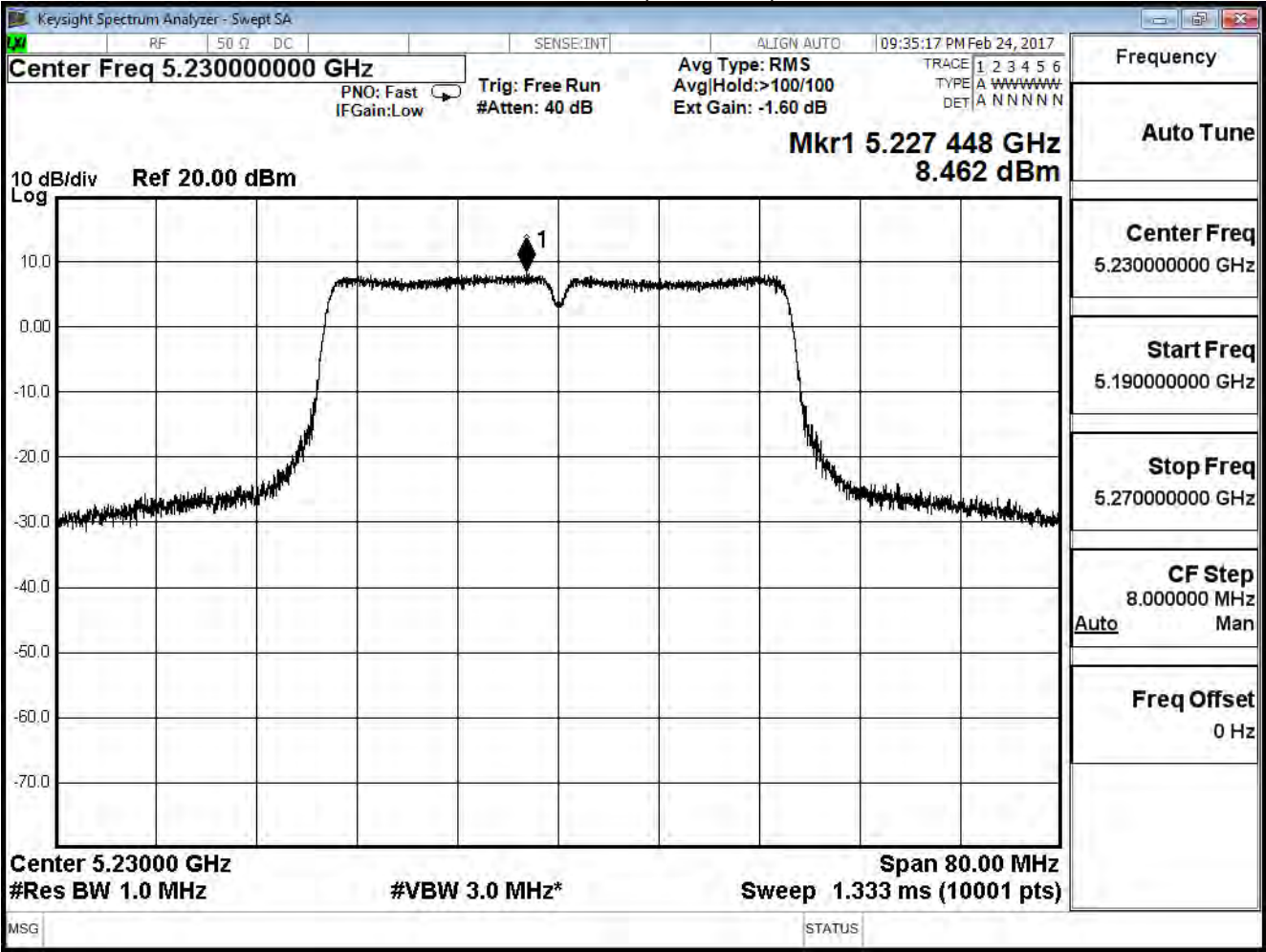
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
38	5190	2.447	≤ 17	Pass
46	5230	8.462	≤ 17	Pass

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
38	5190	5.264	≤ 17	Pass
46	5230	11.153	≤ 17	Pass

IEEE 802.11ac(80MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
42	5210	-1.276	≤ 17	Pass

Keysight Spectrum Analyzer - Swept SA

RF 50 Ω DC SENSE:INT ALIGN AUTO 09:26:07 PM Feb 24, 2017

Center Freq 5.210000000 GHz PNO: Fast IF Gain: Low Trig: Free Run #Atten: 40 dB Avg Type: RMS Avg/Hold: >100/100 Ext Gain: -1.60 dB

TRACE 1 2 3 4 5 6
TYPE A W W W W W W
DET A N N N N N

Mkr1 5.175 840 GHz -1.276 dBm

10 dB/div Ref 20.00 dBm Log

Center 5.21000 GHz #Res BW 1.0 MHz #VBW 3.0 MHz* Span 160.0 MHz Sweep 1.333 ms (10001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq 5.210000000 GHz

Start Freq 5.130000000 GHz

Stop Freq 5.290000000 GHz

CF Step 16.000000 MHz

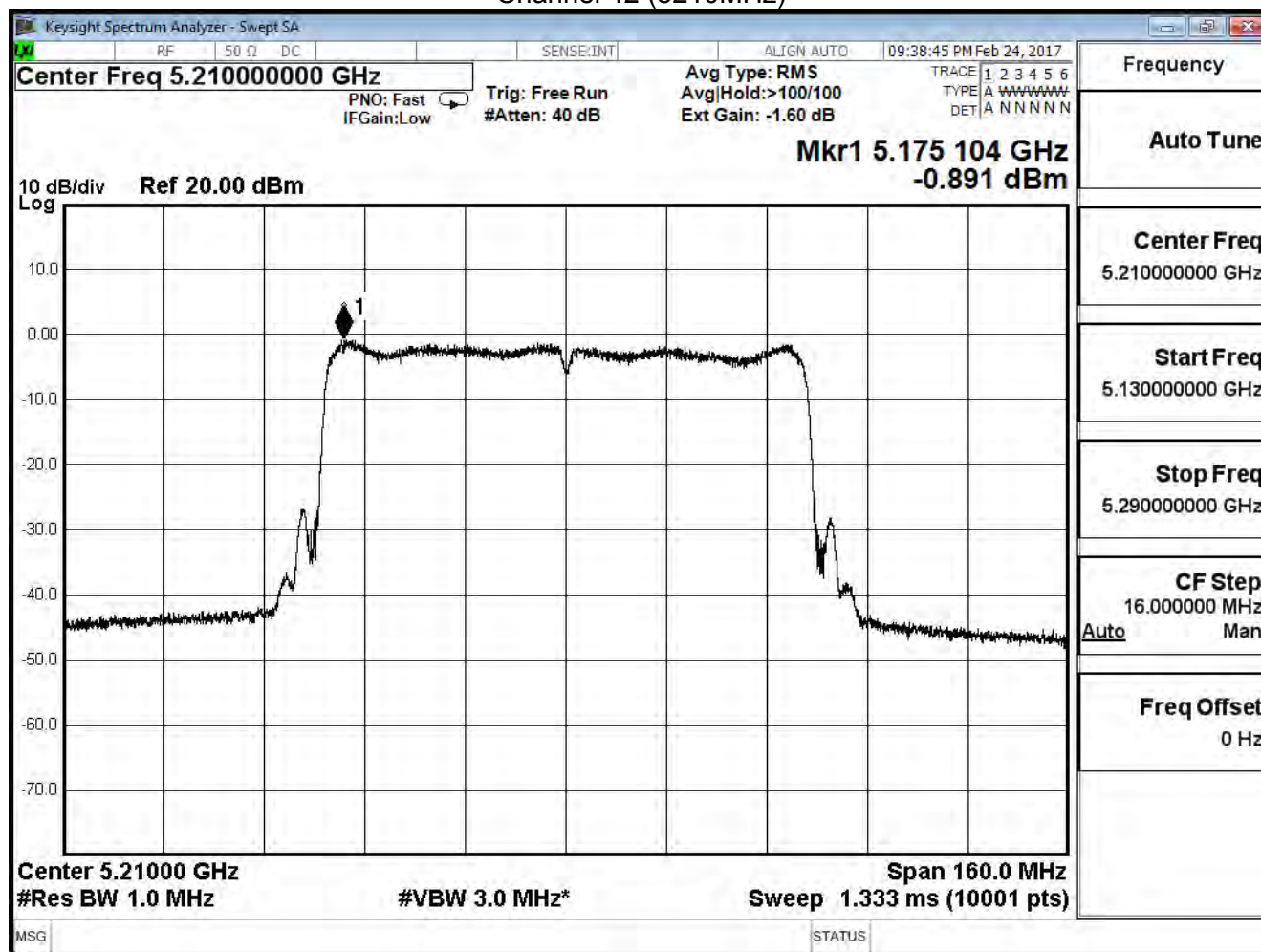
Auto Man

Freq Offset 0 Hz

Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
42	5210	-0.891	≤ 17	Pass

Channel 42 (5210MHz)



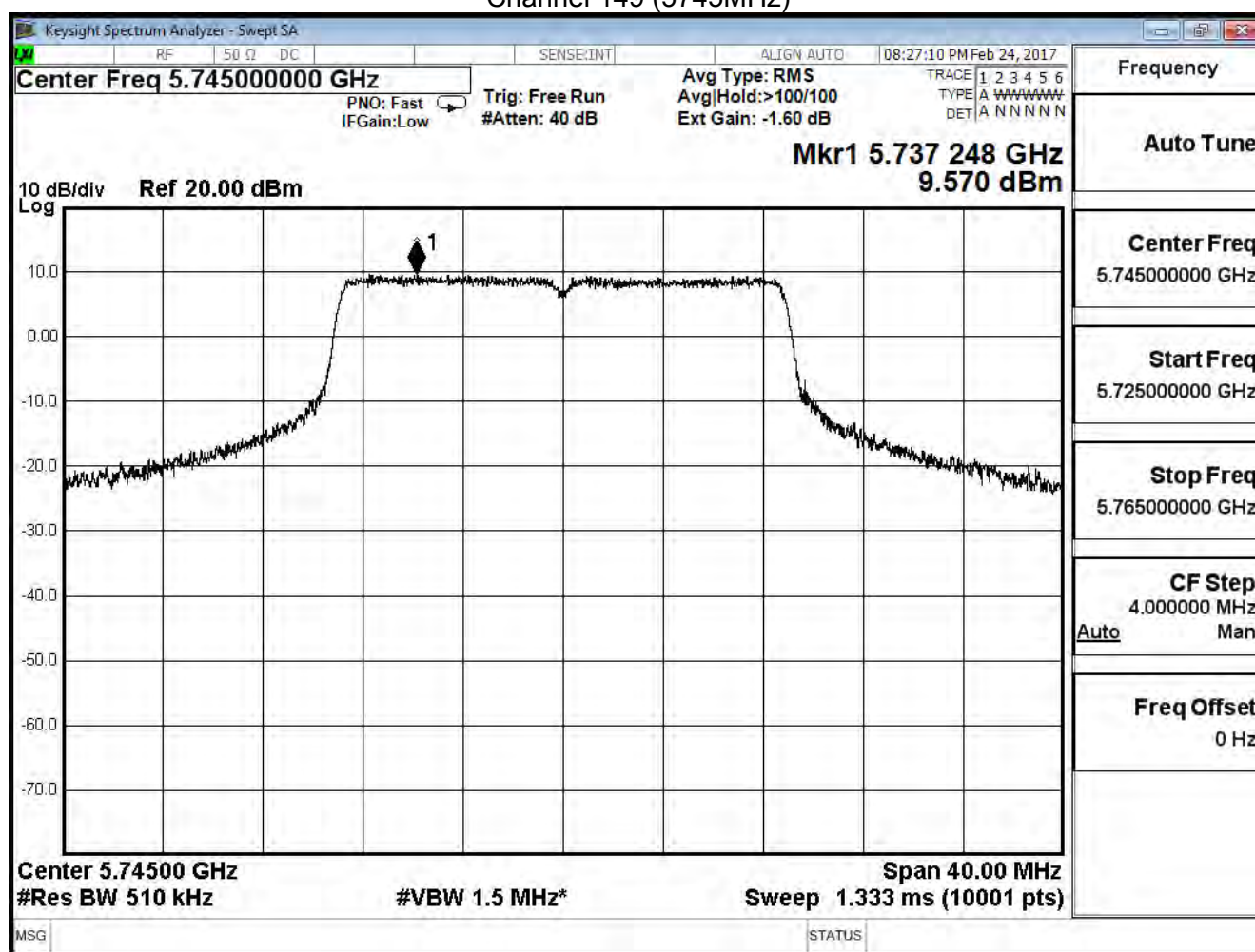
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
42	5210	1.931	≤ 17	Pass

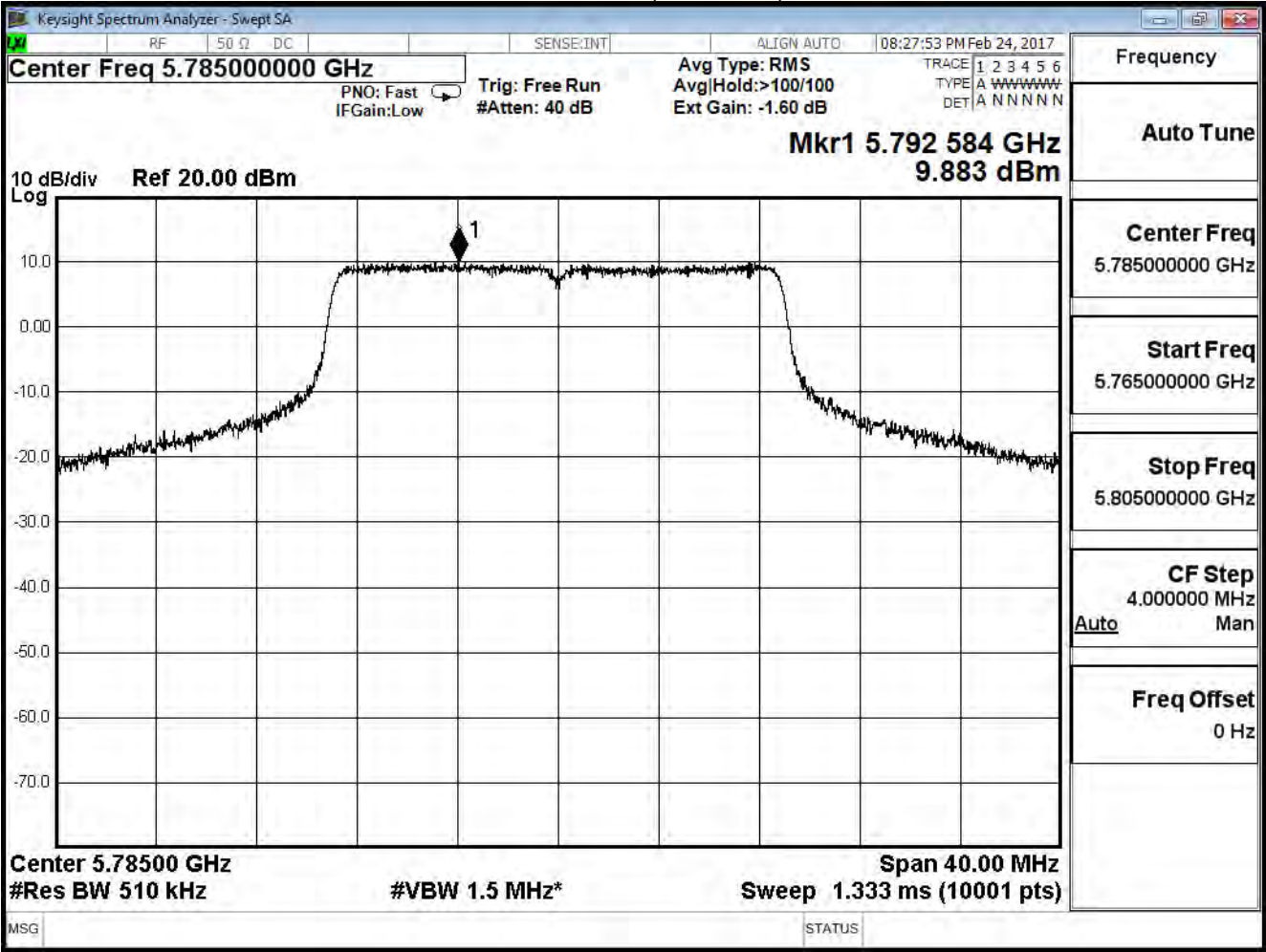
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(20MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5745	9.570	≤ 30	Pass
157	5785	9.883	≤ 30	Pass
165	5825	9.972	≤ 30	Pass

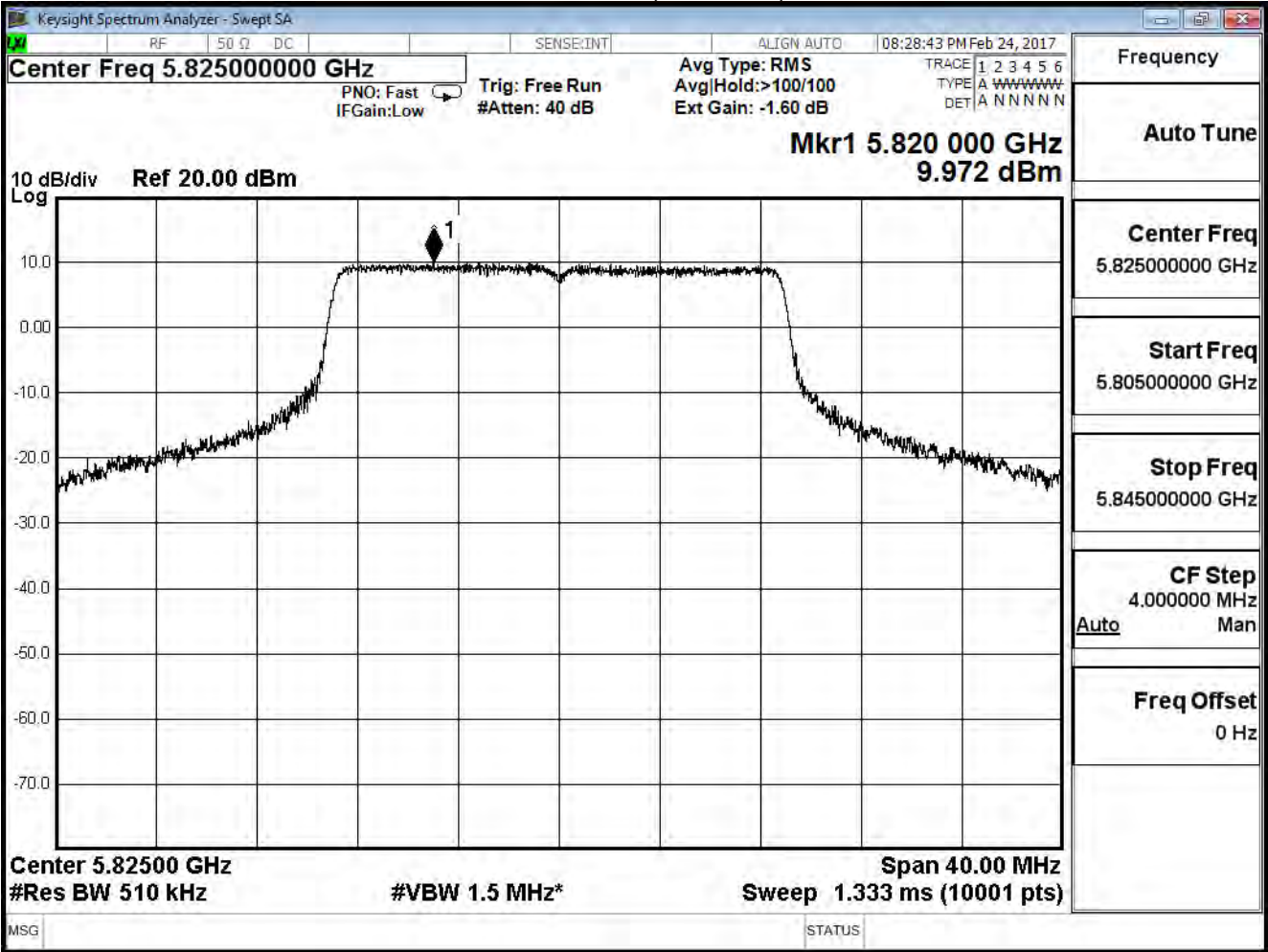
Channel 149 (5745MHz)



Channel 157 (5785MHz)



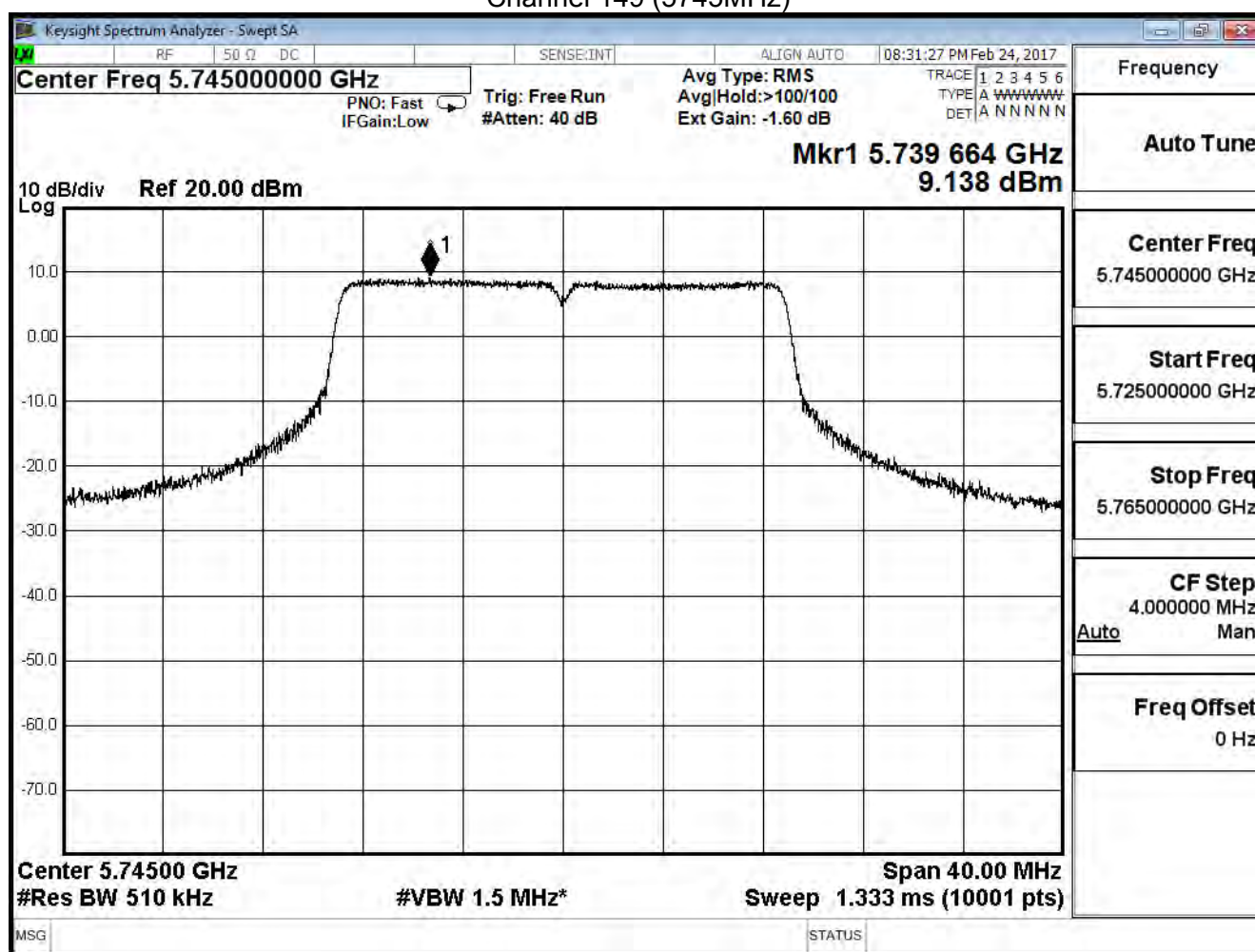
Channel 165 (5825MHz)



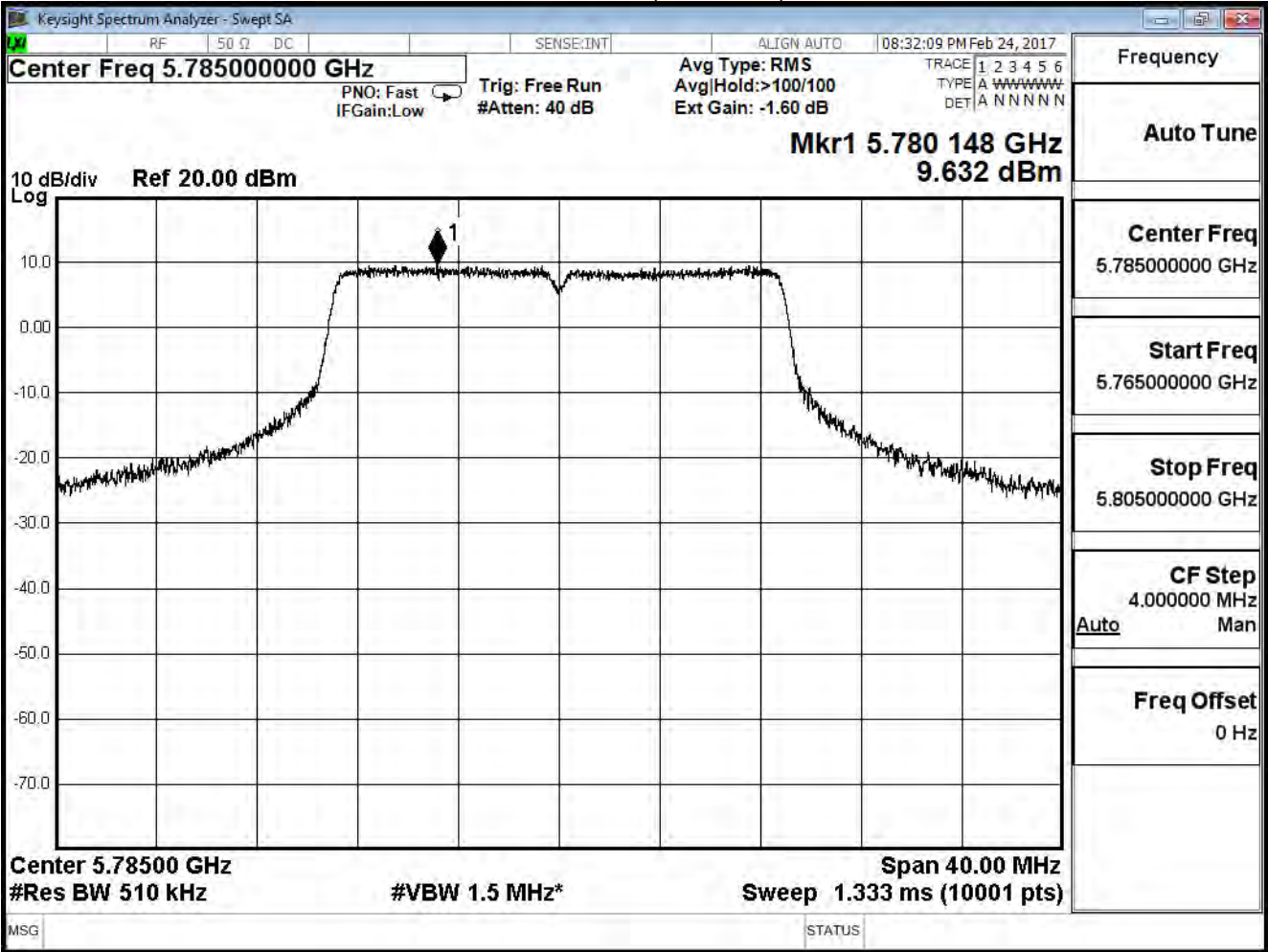
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
155	5745	9.138	≤ 30	Pass
157	5785	9.632	≤ 30	Pass
165	5825	9.972	≤ 30	Pass

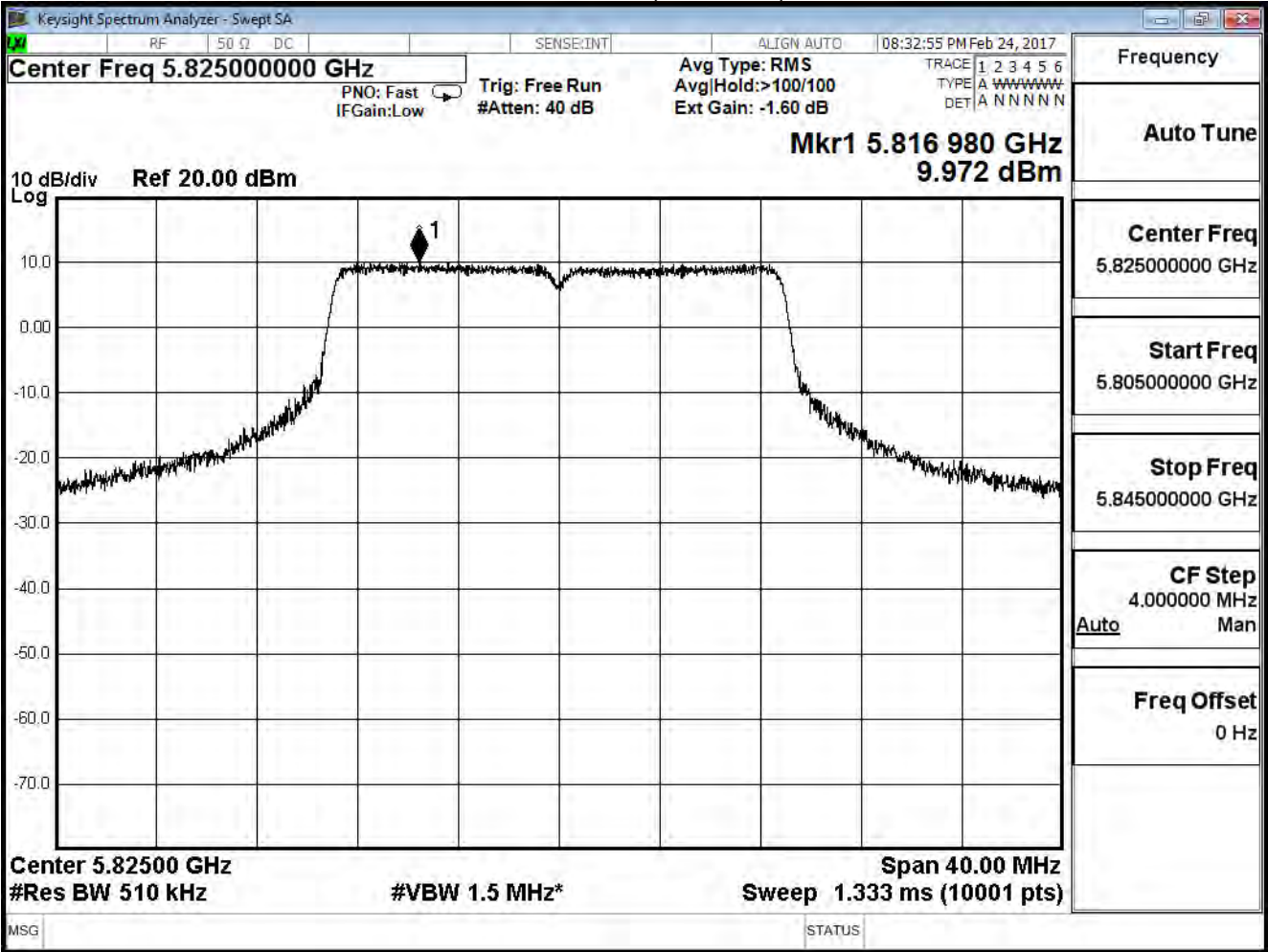
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)



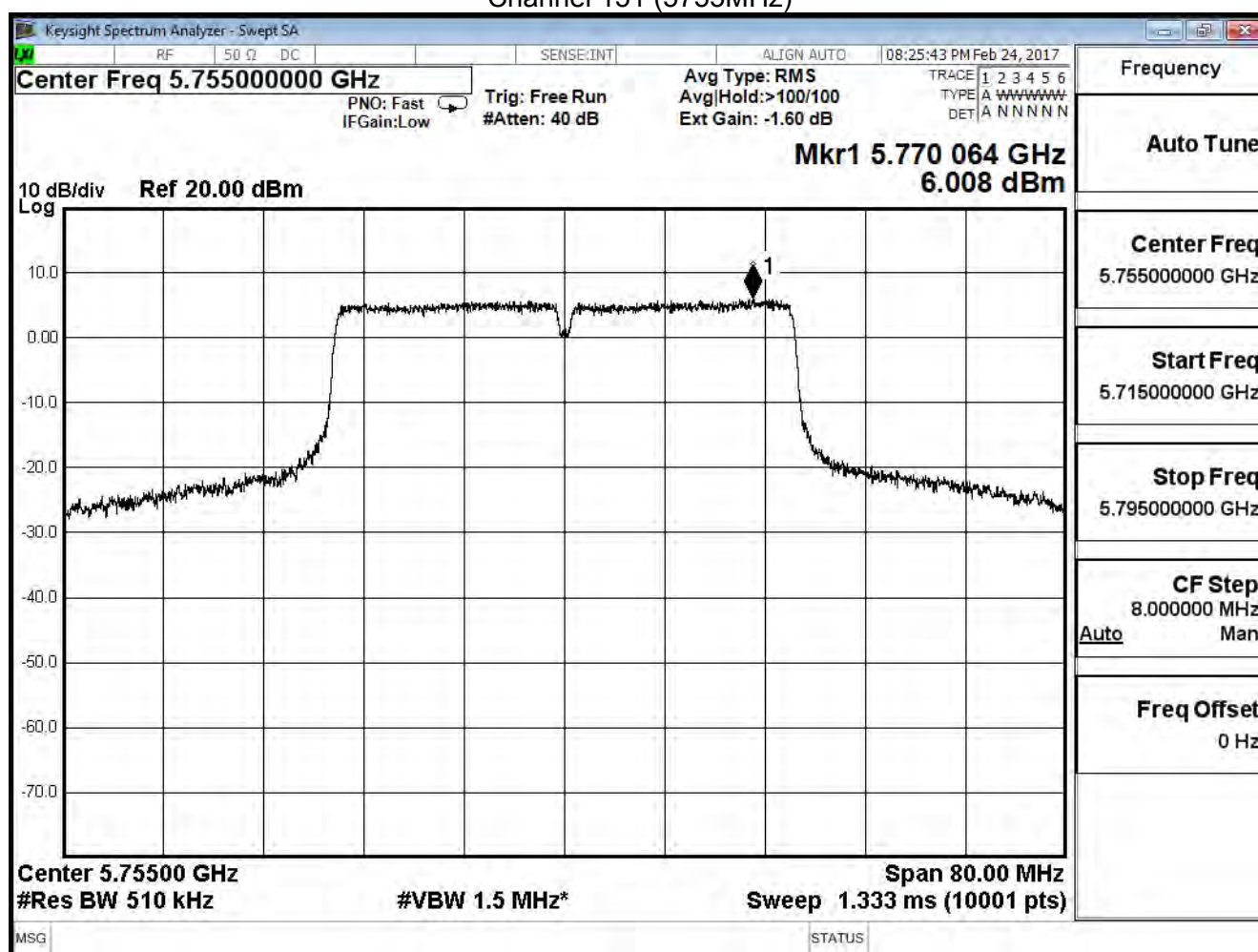
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(20MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5745	12.370	≤ 30	Pass
157	5785	12.770	≤ 30	Pass
165	5825	12.982	≤ 30	Pass

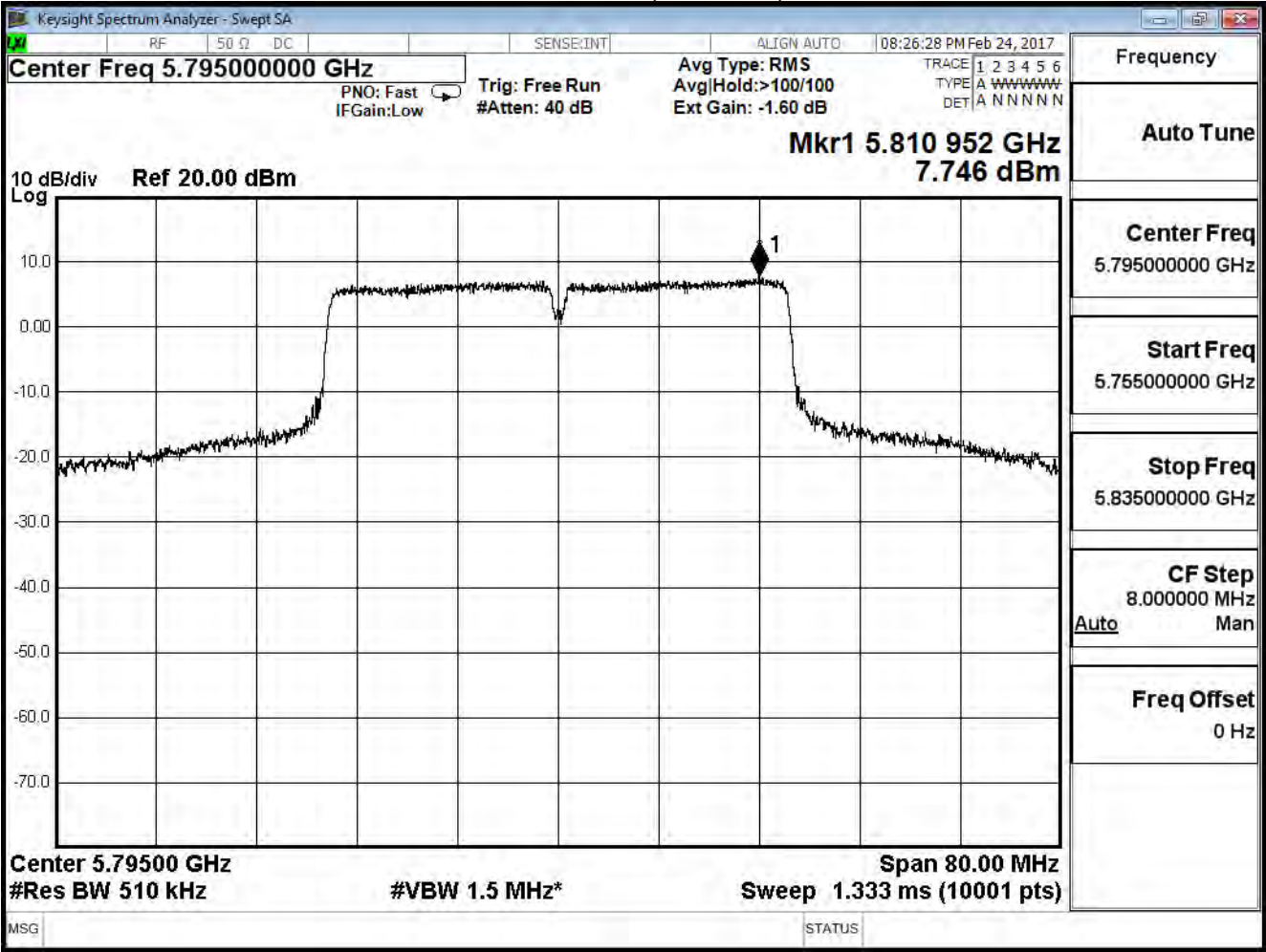
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz)(ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	6.008	≤ 30	Pass
159	5795	7.746	≤ 30	Pass

Channel 151 (5755MHz)



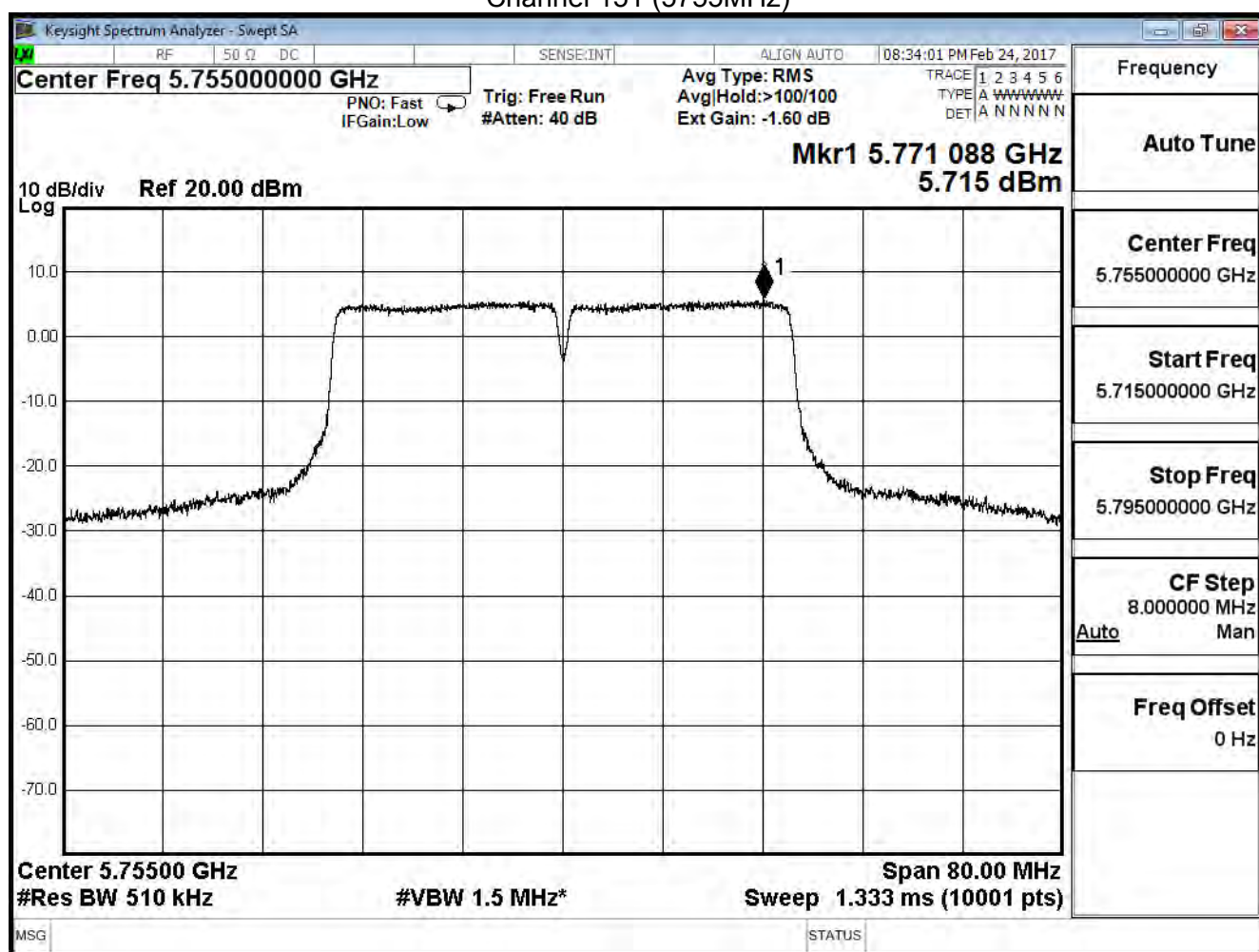
Channel 159 (5795MHz)



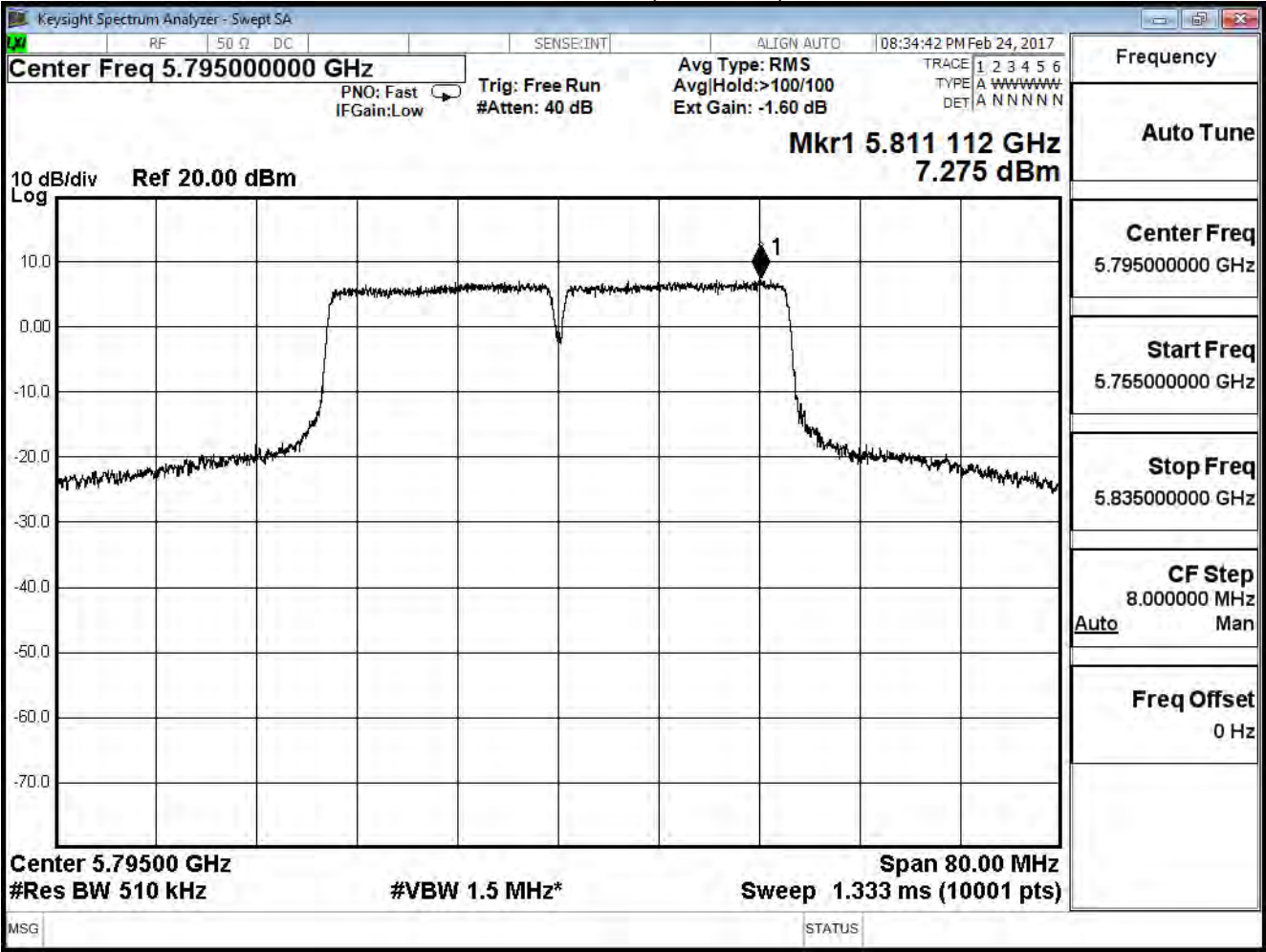
Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11n(40MHz) (ANT 1)				
Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
151	5755	5.715	≤ 30	Pass
159	5795	7.275	≤ 30	Pass

Channel 151 (5755MHz)



Channel 159 (5795MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

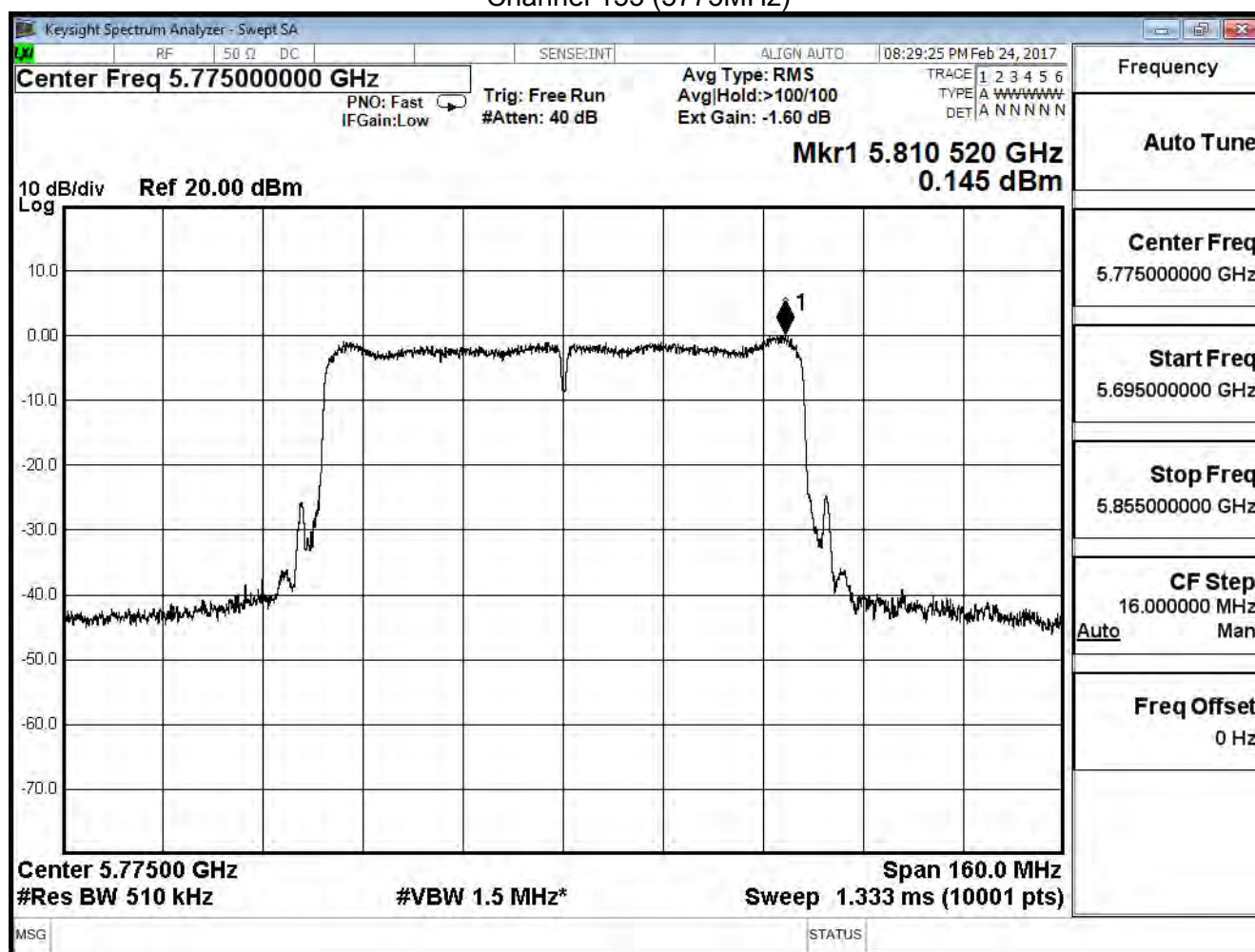
IEEE 802.11n(40MHz) (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
151	5755	8.874	≤ 30	Pass
159	5795	10.527	≤ 30	Pass

Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0)

Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	0.145	≤ 30	Pass

Channel 155 (5775MHz)

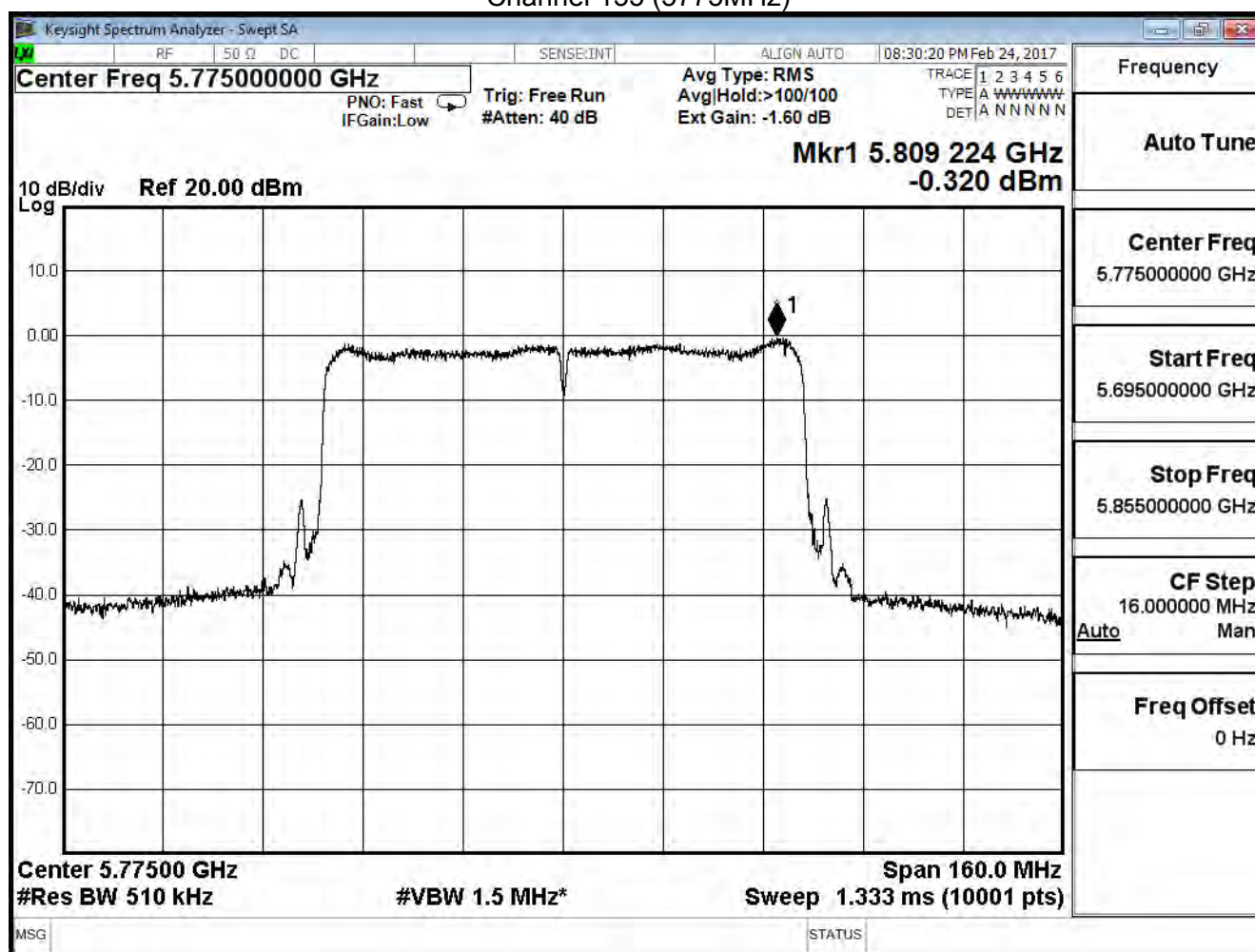


Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11ac(80MHz) (ANT 1)

Channel No.	Frequency (MHz)	Measurement (dBm)	Limit (dBm)	Result
155	5775	-0.320	≤ 30	Pass

Channel 155 (5775MHz)



Product	Mimosa C5c		
Test Item	Peak Power Spectral Density		
Test Mode	Mode 2: Tx-Dipole ANT		
Date of Test	2017/02/24	Test Site	SR10-H

IEEE 802.11ac(80MHz)(ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm)	Limit (dBm)	Result
155	5775	2.929	≤ 30	Pass

6. Radiated Emission

6.1. Test Equipment

The following test equipments are used during the radiated emission test:

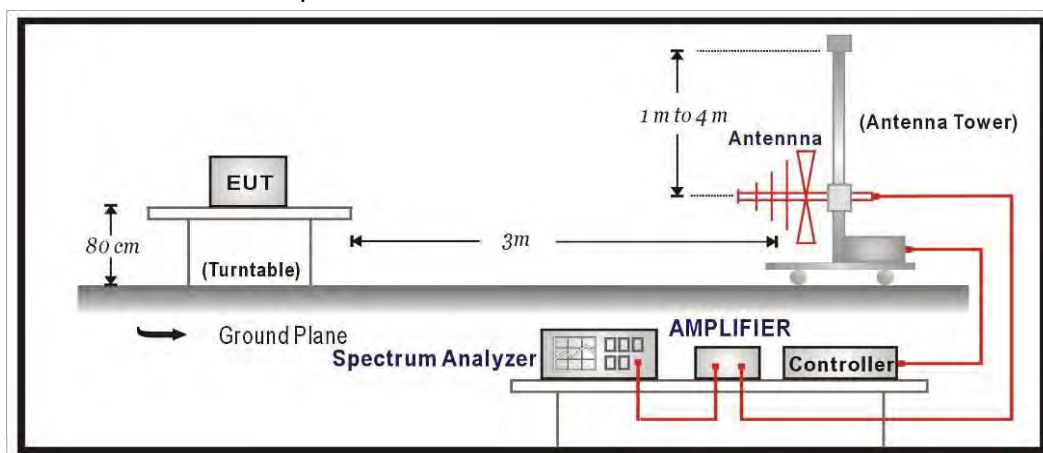
Radiated Emission / CB4-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Bilog Antenna	Schaffner	CBL6112B	2891	2017/08/14
Horn Antenna	Schwarzbeck	BBHA 9120	D312	2017/10/25
Pre-Amplifier	EMCI	EMC0031835	980233	2018/02/02
Pre-Amplifier	Schwarzbeck	DBL-1840N506	013	2017/09/29
Pre-Amplifier	Miteq	JS41-001040000-58-5P	1573954	2017/10/04
Horn Antenna	Schwarzbeck	BBHA 9170	203	2017/08/28
Signal & Spectrum Analyzer	R&S	FSV40	101049	2018/01/22

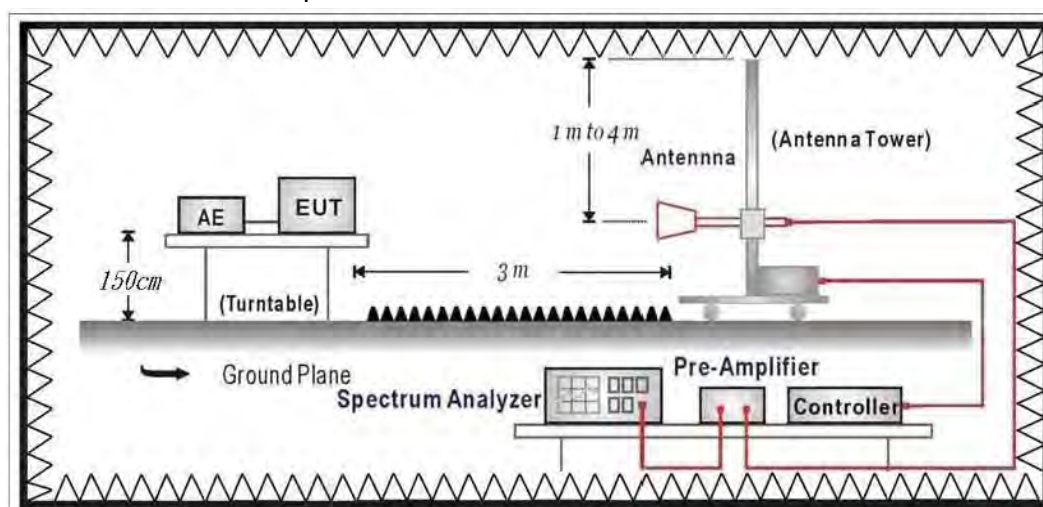
Note: All equipments that need to calibrate are with calibration period of 1 year.

6.2. Test Setup

Under 1GHz Test Setup:



Above 1GHz Test Setup:



6.3. Limits

➤ General Radiated Emission Limits

The provisions of Section 15.205 of this part apply to intentional radiators operating under this section. Radiated emissions which fall in the restricted bands, as defined in Section 15.205, must also comply with the radiated emission limits specified in Section 15.209:

FCC Part 15 Subpart C Paragraph 15.209 Limits		
Frequency MHz	uV/m @3m	dBuV/m@3m
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

Remark:

1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

➤ Unwanted Emission out of the restricted bands Limits

FCC Part 15 Subpart E Paragraph 15.407(b) Limits		
Frequency (MHz)	EIRP Limit (dBm)	Equivalent Field Strength (dBuV/m@3m)
5150~5250	-27	68.3
5250~5350	-27	68.3
5470~5725	-27	68.3
5725~5850	-27 (Note1)	68.3
	-17 (Note2)	78.3

Remark:

1. For frequencies more than 10 MHz above or below the band edges.
2. For frequency range from the band edges to 10 MHz above or below the band edges.
3.
$$uV/m = \frac{1000000\sqrt{30 \times EIRP}}{3}$$
, RF Voltage (dBuV/m) = 20 log RF Voltage (uV/m)

6.4. Test Procedure

The EUT and its simulators are placed on a turn table which is 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level.

Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated measurement.

The additional latch filter below 1GHz was used to measure the level of harmonics radiated emission during field strength of harmonics measurement.

The bandwidth below 1GHz setting on the field strength meter is 120 KHz, above 1GHz are 1 MHz.

The frequency range from 30MHz to 10th harmonics is checked.

6.5. Uncertainty

The measurement uncertainty

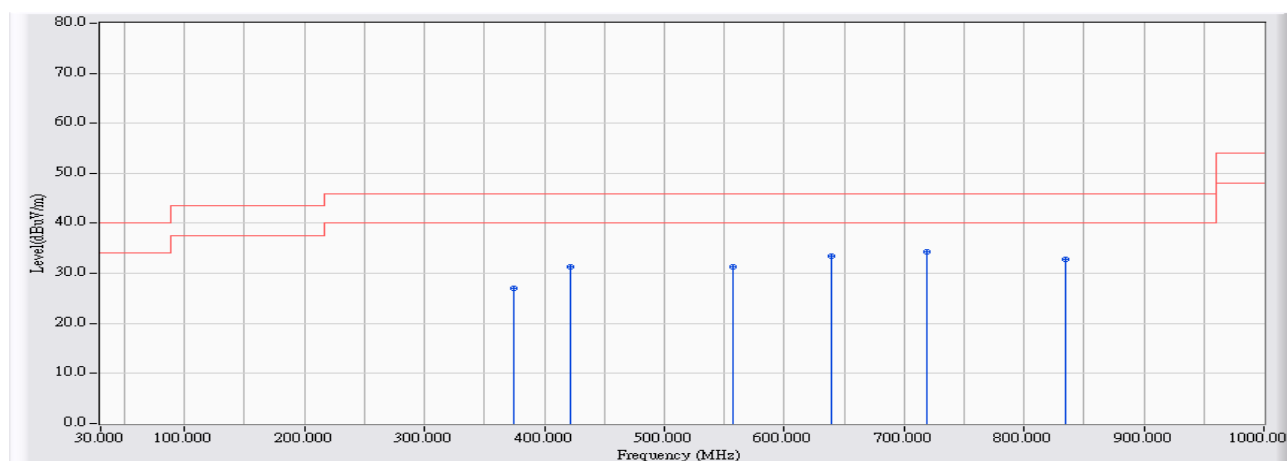
30MHz~1GHz as $\pm 3.43\text{dB}$

1GHz~26.5Ghz as $\pm 3.65\text{dB}$

6.6. Test Result

30MHz-1GHz Spurious

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(20M)_5220MHz Mode 1: Tx-Dish ANT

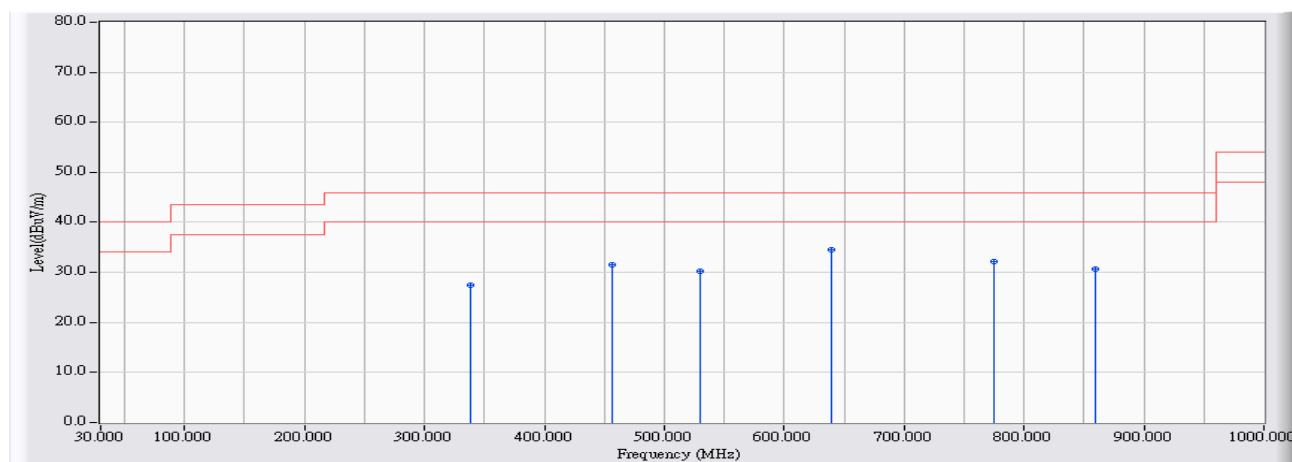


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		374.995	18.665	8.252	26.917	-19.083	46.000	QUASIPeAK
2		422.035	21.770	9.442	31.212	-14.788	46.000	QUASIPeAK
3		557.821	23.279	7.979	31.258	-14.742	46.000	QUASIPeAK
4		639.972	23.290	10.191	33.481	-12.519	46.000	QUASIPeAK
5	*	718.340	23.780	10.540	34.320	-11.680	46.000	QUASIPeAK
6		834.729	25.284	7.473	32.757	-13.243	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(20M)_5220MHz Mode 1: Tx-Dish ANT

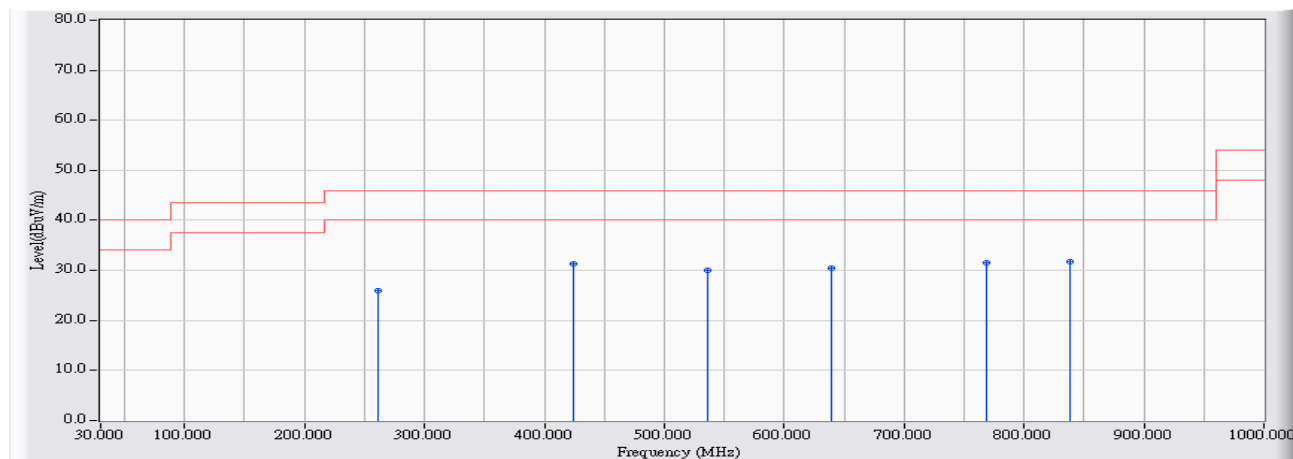


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		338.235	19.053	8.348	27.401	-18.599	46.000	QUASIPeAK
2		455.981	22.071	9.448	31.519	-14.481	46.000	QUASIPeAK
3		529.306	23.863	6.429	30.292	-15.708	46.000	QUASIPeAK
4	*	639.875	24.840	9.784	34.624	-11.376	46.000	QUASIPeAK
5		775.079	25.215	6.979	32.195	-13.805	46.000	QUASIPeAK
6		859.073	25.891	4.827	30.718	-15.282	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(40M)_5190MHz Mode 1: Tx-Dish ANT

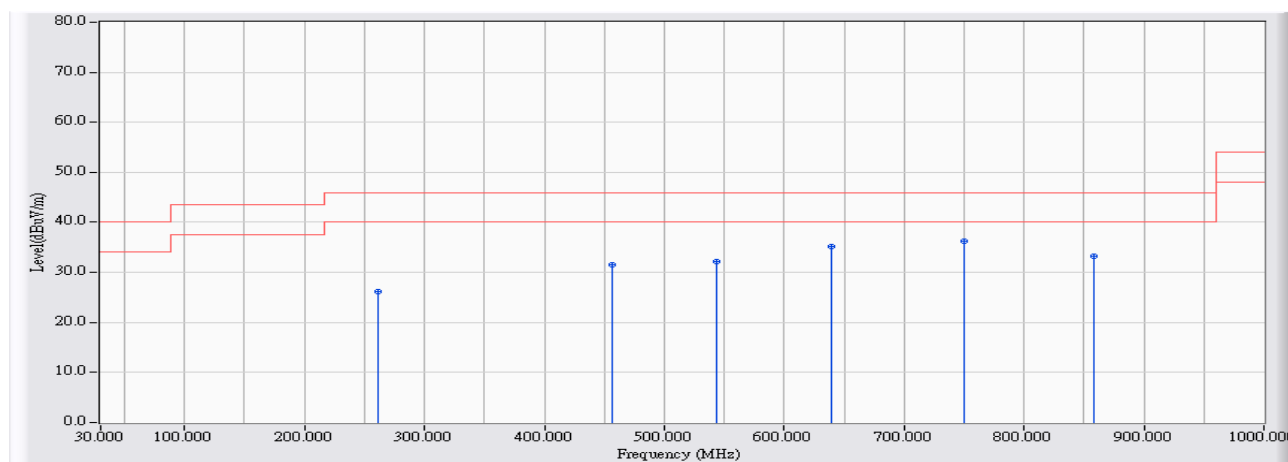


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		261.031	18.710	7.252	25.962	-20.038	46.000	QUASIPeAK
2		423.878	21.624	9.781	31.404	-14.596	46.000	QUASIPeAK
3		535.901	22.715	7.264	29.979	-16.021	46.000	QUASIPeAK
4		638.905	23.320	7.125	30.445	-15.555	46.000	QUASIPeAK
5		769.066	24.676	6.833	31.508	-14.492	46.000	QUASIPeAK
6	*	837.735	25.243	6.534	31.776	-14.224	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(40M)_5190MHz Mode 1: Tx-Dish ANT

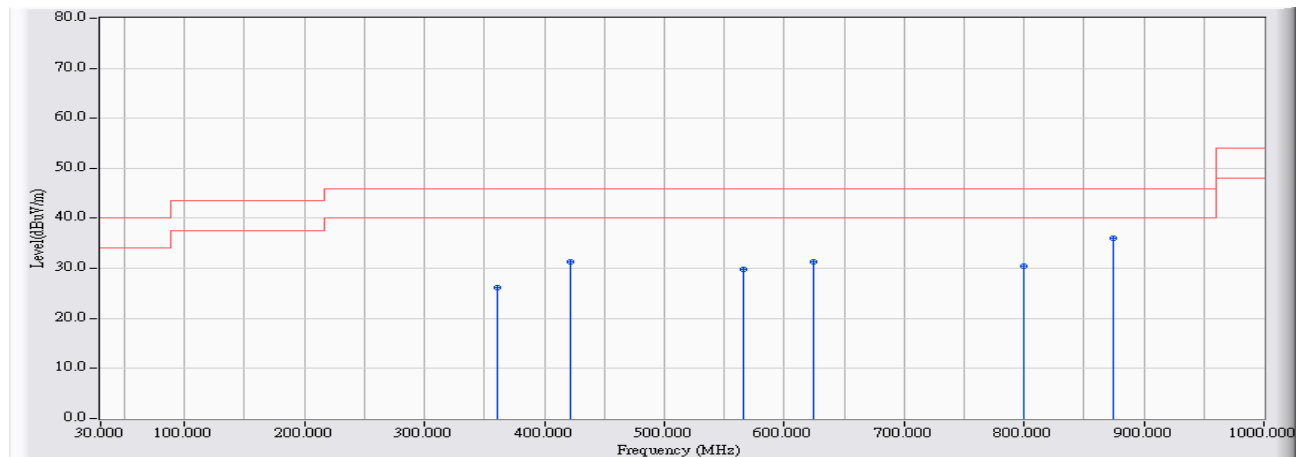


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		261.031	18.992	7.252	26.244	-19.756	46.000	QUASIPeAK
2		455.981	22.071	9.448	31.519	-14.481	46.000	QUASIPeAK
3		542.982	24.870	7.335	32.205	-13.795	46.000	QUASIPeAK
4		639.972	24.842	10.283	35.125	-10.875	46.000	QUASIPeAK
5	*	750.056	25.588	10.634	36.222	-9.778	46.000	QUASIPeAK
6		858.588	25.882	7.422	33.304	-12.696	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(80M)_5210MHz Mode 1: Tx-Dish ANT

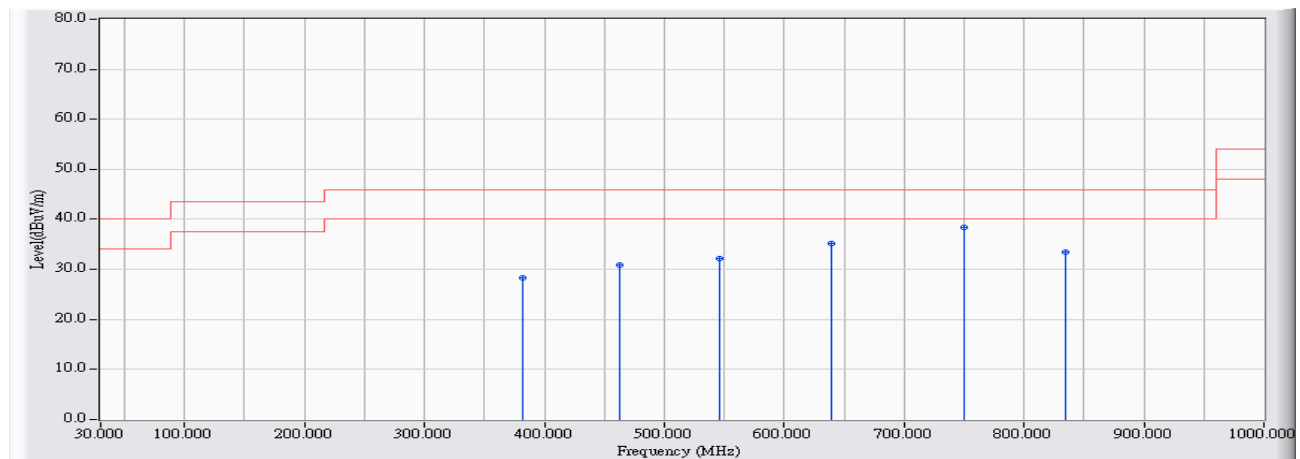


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		361.125	18.689	7.528	26.217	-19.783	46.000	QUASIPeAK
2		422.035	21.770	9.442	31.212	-14.788	46.000	QUASIPeAK
3		565.386	23.433	6.440	29.873	-16.127	46.000	QUASIPeAK
4		624.939	23.556	7.765	31.321	-14.679	46.000	QUASIPeAK
5		800.394	23.856	6.691	30.548	-15.452	46.000	QUASIPeAK
6	*	874.980	25.306	10.648	35.954	-10.046	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(80M)_5210MHz Mode 1: Tx-Dish ANT

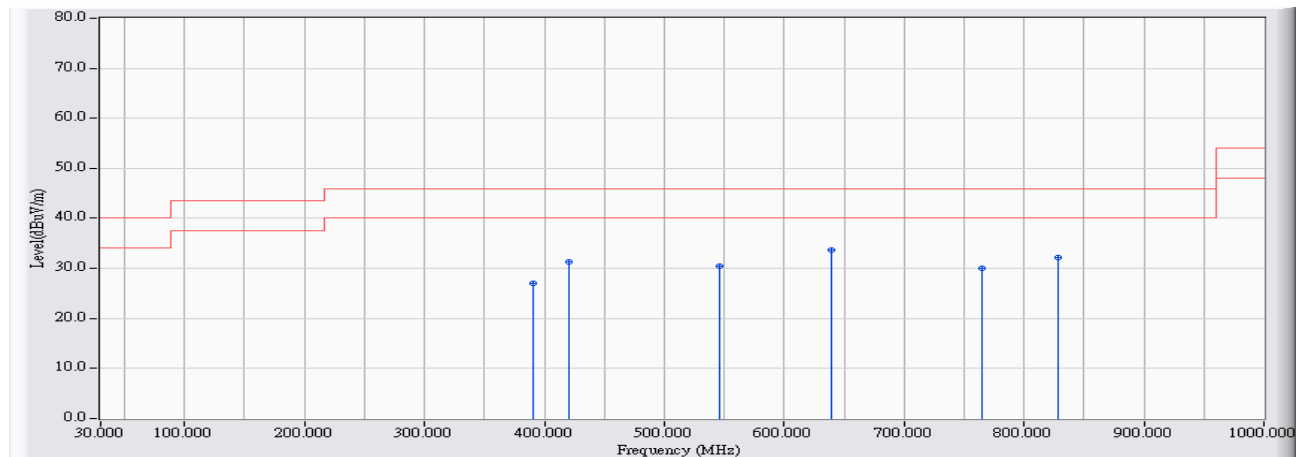


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		382.269	20.240	8.048	28.288	-17.712	46.000	QUASIPeAK
2		462.674	22.242	8.612	30.854	-15.146	46.000	QUASIPeAK
3		546.473	24.634	7.570	32.204	-13.796	46.000	QUASIPeAK
4		639.972	24.842	10.283	35.125	-10.875	46.000	QUASIPeAK
5	*	749.862	25.588	12.757	38.345	-7.655	46.000	QUASIPeAK
6		834.729	25.885	7.473	33.358	-12.642	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(20M)_5785MHz Mode 1: Tx-Dish ANT

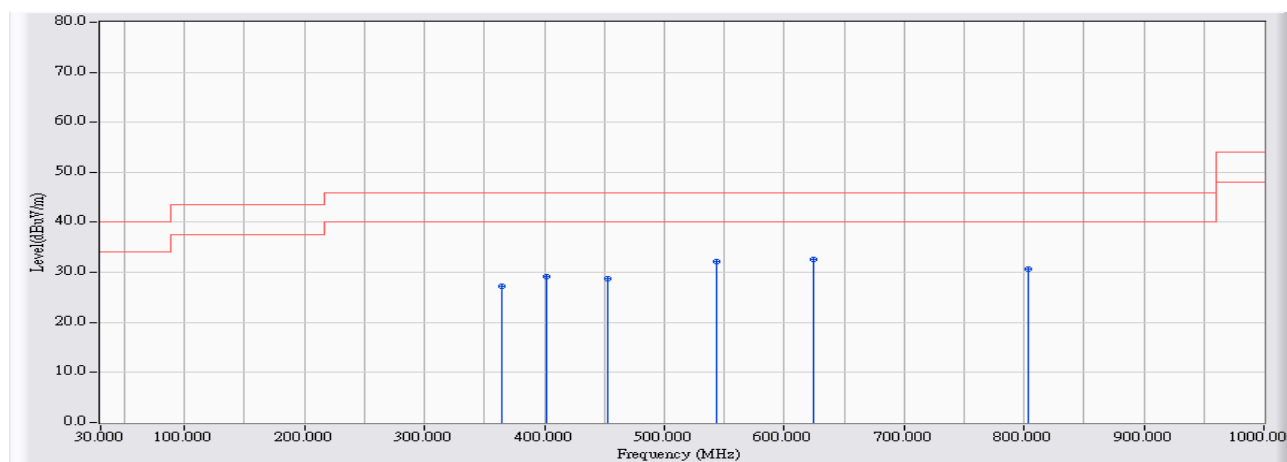


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		390.125	19.317	7.632	26.949	-19.051	46.000	QUASIPeAK
2		419.998	21.932	9.355	31.287	-14.713	46.000	QUASIPeAK
3		546.473	22.804	7.570	30.375	-15.625	46.000	QUASIPeAK
4	*	639.972	23.290	10.282	33.572	-12.428	46.000	QUASIPeAK
5		764.411	24.439	5.647	30.086	-15.914	46.000	QUASIPeAK
6		828.036	25.098	7.094	32.192	-13.808	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(20M)_5785MHz Mode 1: Tx-Dish ANT

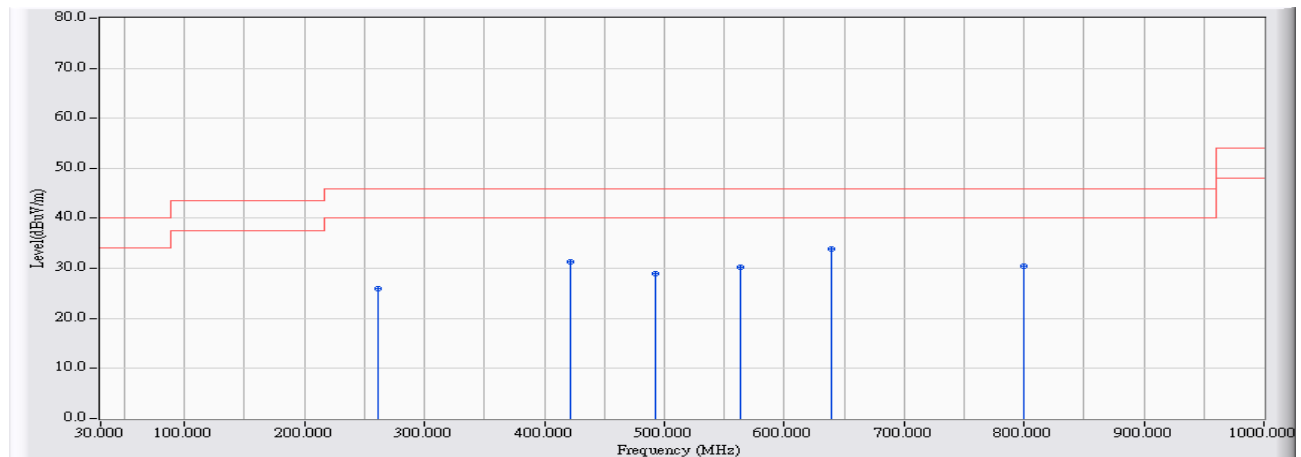


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		364.326	19.700	7.603	27.303	-18.697	46.000	QUASIPeAK
2		402.249	20.779	8.445	29.225	-16.775	46.000	QUASIPeAK
3		452.199	21.933	6.885	28.819	-17.181	46.000	QUASIPeAK
4		542.982	24.870	7.335	32.205	-13.795	46.000	QUASIPeAK
5	*	624.939	24.863	7.765	32.629	-13.371	46.000	QUASIPeAK
6		802.916	24.949	5.662	30.611	-15.389	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(40M)_5795MHz Mode 1: Tx-Dish ANT

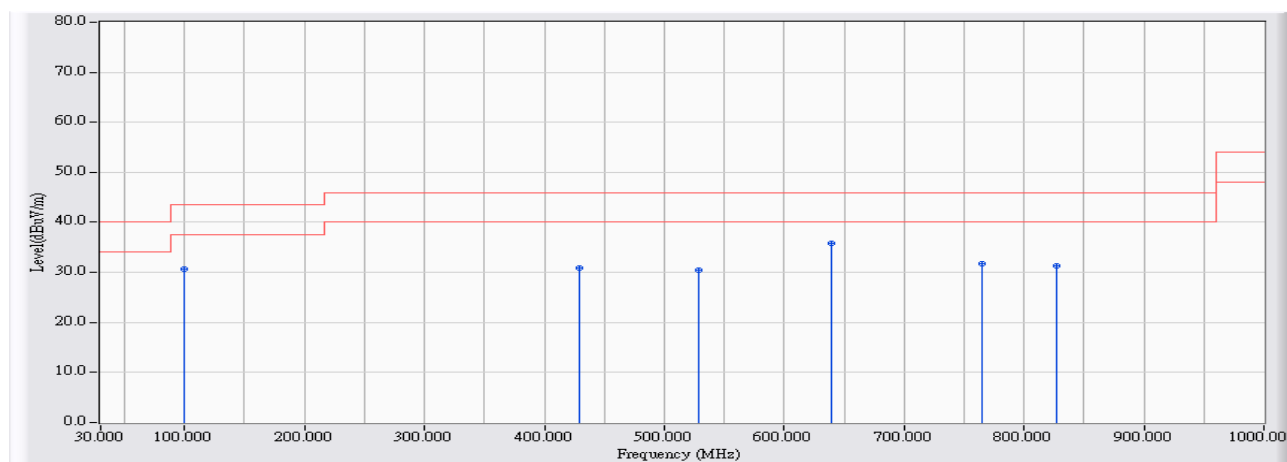


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		261.031	18.710	7.252	25.962	-20.038	46.000	QUASIPeAK
2		422.035	21.770	9.442	31.212	-14.788	46.000	QUASIPeAK
3		492.450	21.173	7.715	28.889	-17.111	46.000	QUASIPeAK
4		563.738	23.420	6.764	30.184	-15.816	46.000	QUASIPeAK
5	*	639.972	23.290	10.629	33.919	-12.081	46.000	QUASIPeAK
6		800.394	23.856	6.691	30.548	-15.452	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(40M)_5795MHz Mode 1: Tx-Dish ANT

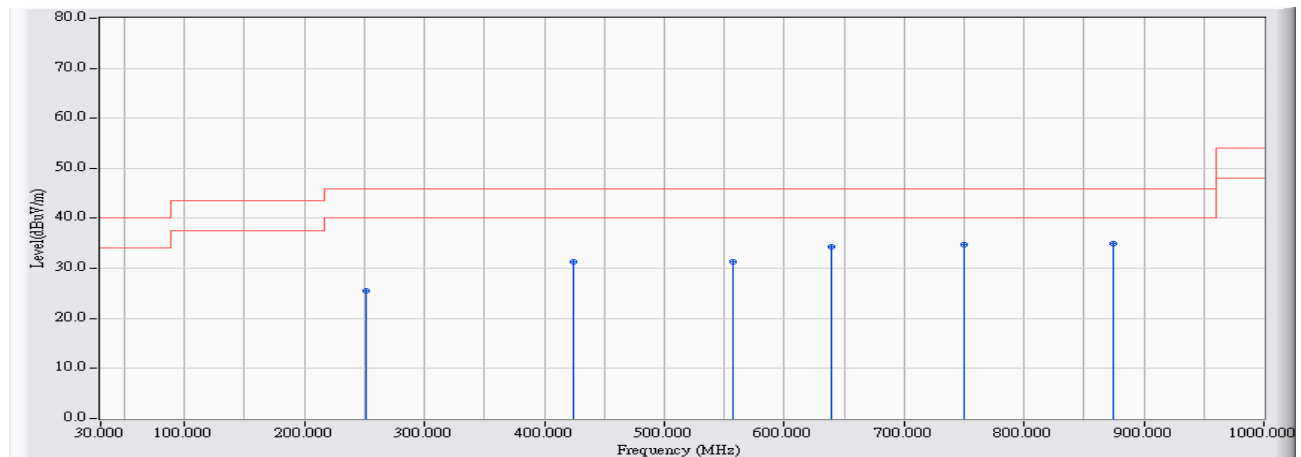


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	99.930	21.049	9.515	30.564	-12.936	43.500	QUASIPeAK
2	429.309	21.161	9.642	30.802	-15.198	46.000	QUASIPeAK
3	528.142	23.776	6.616	30.392	-15.608	46.000	QUASIPeAK
4	* 639.972	24.842	11.077	35.919	-10.081	46.000	QUASIPeAK
5	765.089	25.382	6.460	31.842	-14.158	46.000	QUASIPeAK
6	827.551	25.872	5.491	31.363	-14.637	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - HORIZONTAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(80M)_5775MHz Mode 1: Tx-Dish ANT

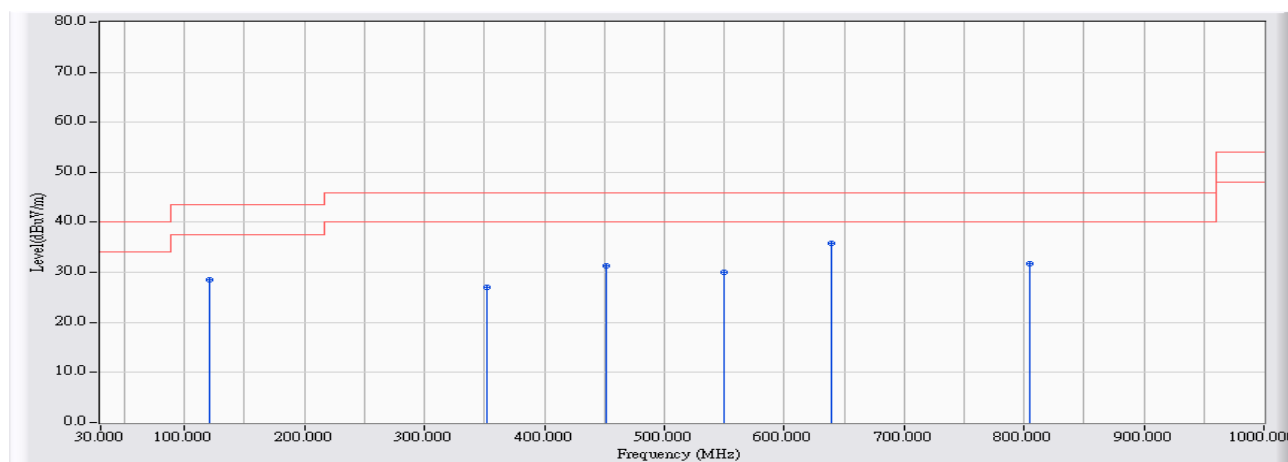


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		251.138	17.514	7.987	25.501	-20.499	46.000	QUASIPeAK
2		423.878	21.624	9.781	31.404	-14.596	46.000	QUASIPeAK
3		557.821	23.279	7.979	31.258	-14.742	46.000	QUASIPeAK
4		639.972	23.290	11.077	34.367	-11.633	46.000	QUASIPeAK
5		750.056	24.187	10.663	34.850	-11.150	46.000	QUASIPeAK
6	*	874.883	25.315	9.597	34.912	-11.088	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/02/14
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_CE_Sub_30-1GHz_3M_0117 - VERTICAL	Power : AC 120V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(80M)_5775MHz Mode 1: Tx-Dish ANT

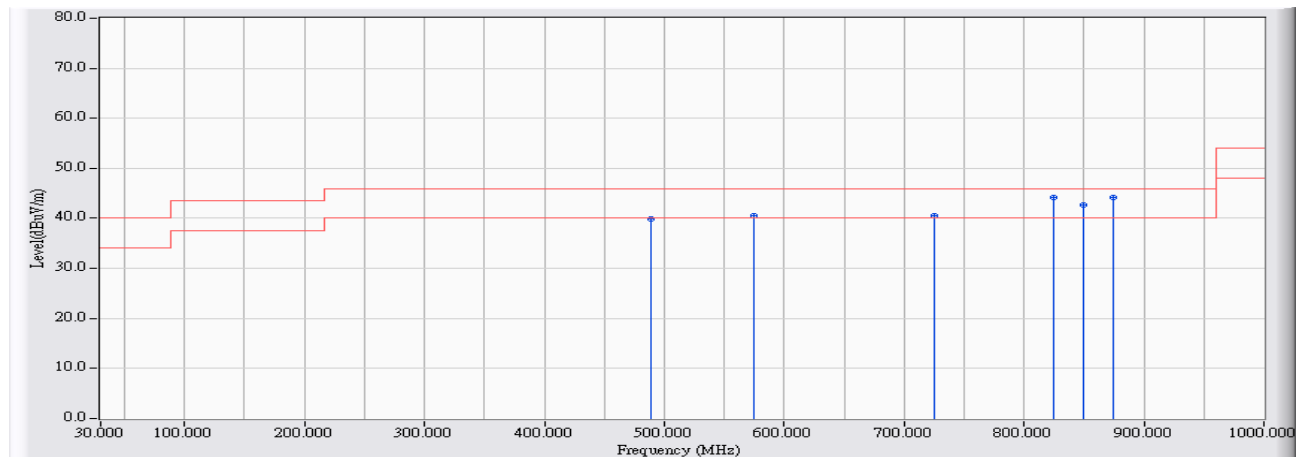


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		120.201	20.901	7.680	28.581	-14.919	43.500	QUASIPeAK
2		351.523	19.403	7.661	27.064	-18.936	46.000	QUASIPeAK
3		451.908	21.923	9.393	31.316	-14.684	46.000	QUASIPeAK
4		549.286	24.443	5.657	30.101	-15.899	46.000	QUASIPeAK
5	*	639.972	24.842	11.077	35.919	-10.081	46.000	QUASIPeAK
6		804.565	24.917	6.851	31.768	-14.232	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(20M)_5220MHz Mode 2: Tx-Dipole ANT

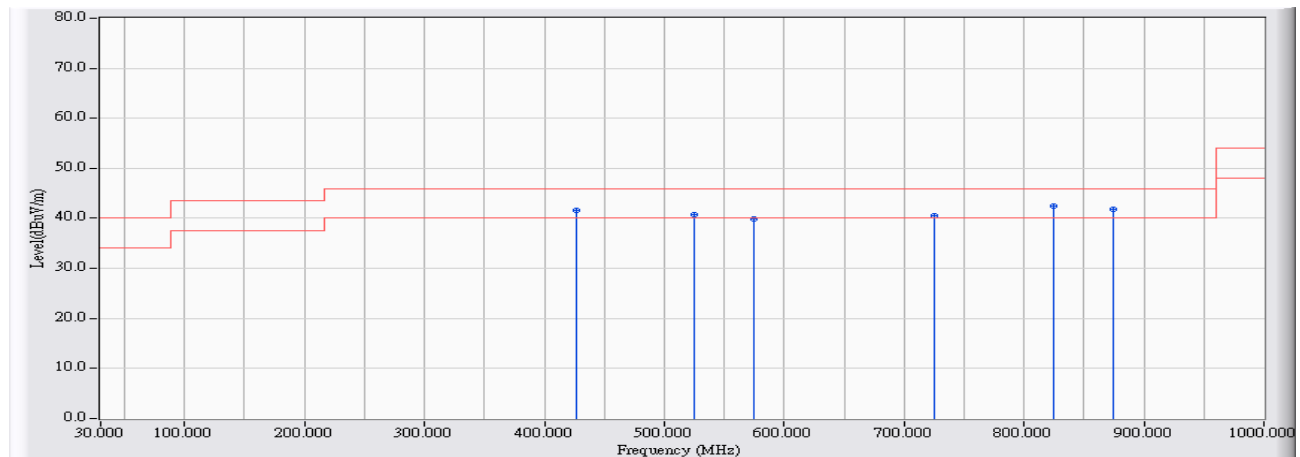


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	488.764	27.202	12.660	39.862	-6.138	46.000	QUASIPeAK
2	574.989	28.301	12.340	40.641	-5.359	46.000	QUASIPeAK
3	724.935	29.814	10.792	40.606	-5.394	46.000	QUASIPeAK
4	* 824.932	30.983	13.191	44.175	-1.825	46.000	QUASIPeAK
5	850.053	31.273	11.392	42.665	-3.335	46.000	QUASIPeAK
6	874.979	31.558	12.539	44.097	-1.903	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(20M)_5220MHz Mode 2: Tx-Dipole ANT

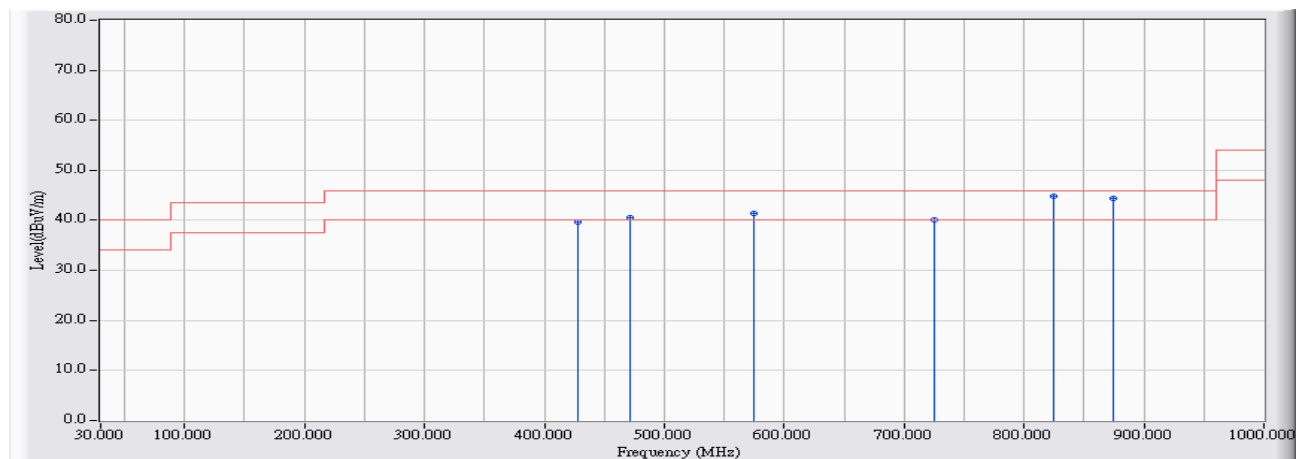


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		426.302	26.104	15.423	41.527	-4.473	46.000	QUASIPeAK
2		524.942	27.697	12.963	40.660	-5.340	46.000	QUASIPeAK
3		574.989	28.301	11.567	39.868	-6.132	46.000	QUASIPeAK
4		724.935	29.814	10.799	40.613	-5.387	46.000	QUASIPeAK
5	*	825.029	30.985	11.540	42.525	-3.475	46.000	QUASIPeAK
6		874.883	31.557	10.225	41.782	-4.218	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(40M)_5190MHz Mode 2: Tx-Dipole ANT

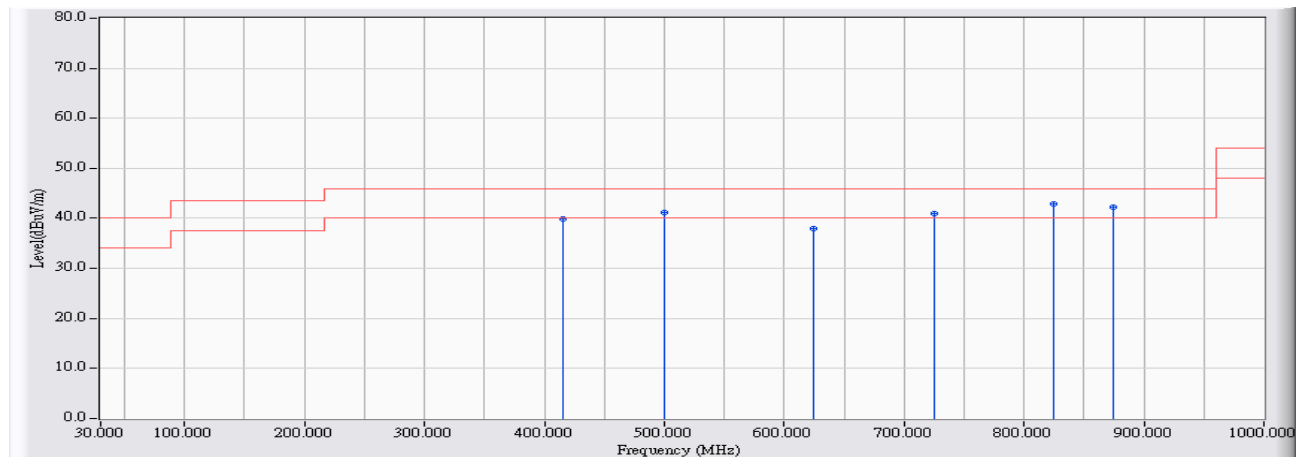


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		428.436	26.143	13.457	39.600	-6.400	46.000	QUASIPeAK
2		472.082	26.914	13.673	40.588	-5.412	46.000	QUASIPeAK
3		574.989	28.301	13.092	41.393	-4.607	46.000	QUASIPeAK
4		724.936	29.814	10.306	40.120	-5.880	46.000	QUASIPeAK
5	*	825.029	30.985	13.787	44.772	-1.228	46.000	QUASIPeAK
6		874.980	31.558	12.827	44.385	-1.615	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(40M)_5190MHz Mode 2: Tx-Dipole ANT

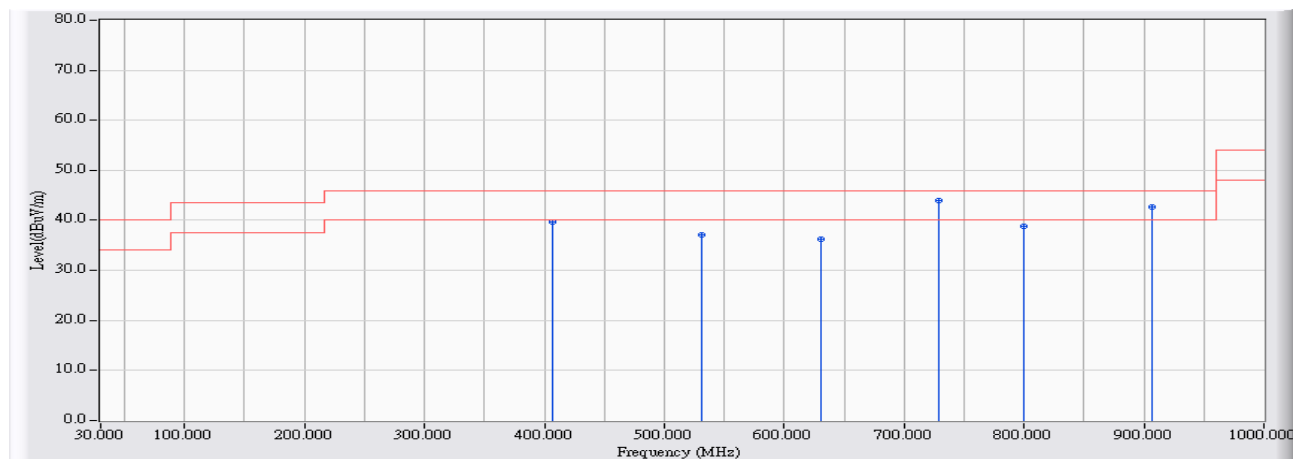


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		415.439	25.906	13.983	39.889	-6.111	46.000	QUASIPeAK
2		500.015	27.394	13.807	41.201	-4.799	46.000	QUASIPeAK
3		624.939	28.833	9.082	37.915	-8.085	46.000	QUASIPeAK
4		724.936	29.814	11.244	41.058	-4.942	46.000	QUASIPeAK
5	*	824.933	30.983	11.876	42.860	-3.140	46.000	QUASIPeAK
6		874.980	31.558	10.776	42.334	-3.666	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(80M)_5210MHz Mode 2: Tx-Dipole ANT

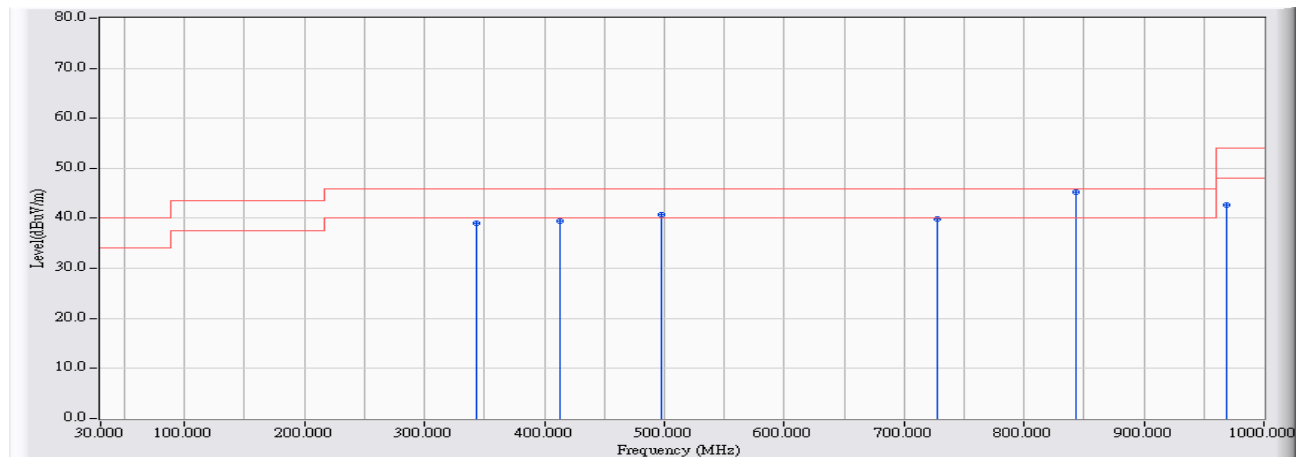


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		406.322	25.740	13.907	39.647	-6.353	46.000	QUASIPeAK
2		530.858	27.769	9.313	37.082	-8.918	46.000	QUASIPeAK
3		631.243	28.891	7.277	36.169	-9.831	46.000	QUASIPeAK
4	*	729.397	29.865	14.035	43.899	-2.101	46.000	QUASIPeAK
5		800.103	30.699	8.017	38.716	-7.284	46.000	QUASIPeAK
6		906.501	31.937	10.841	42.778	-3.222	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/20
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(80M)_5210MHz Mode 2: Tx-Dipole ANT

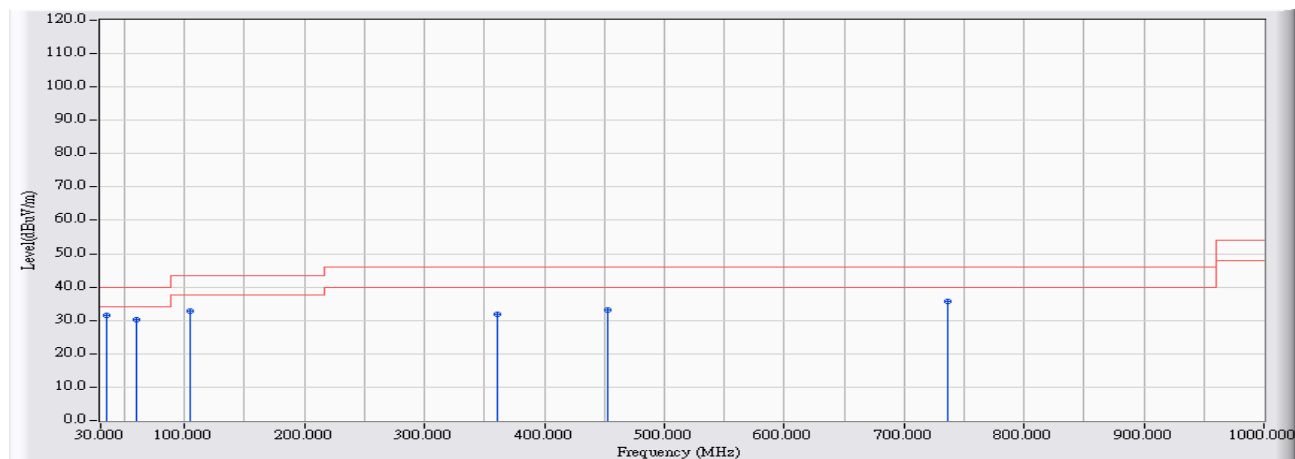


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		343.570	23.824	15.259	39.083	-6.917	46.000	QUASIPeAK
2		413.500	25.871	13.633	39.504	-6.496	46.000	QUASIPeAK
3		497.784	27.357	13.477	40.834	-5.166	46.000	QUASIPeAK
4		727.942	29.847	10.017	39.865	-6.135	46.000	QUASIPeAK
5	*	843.555	31.198	14.022	45.220	-0.780	46.000	QUASIPeAK
6		969.060	32.841	9.802	42.642	-11.358	54.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(20M)_5785MHz Mode 2: Tx-Dipole ANT

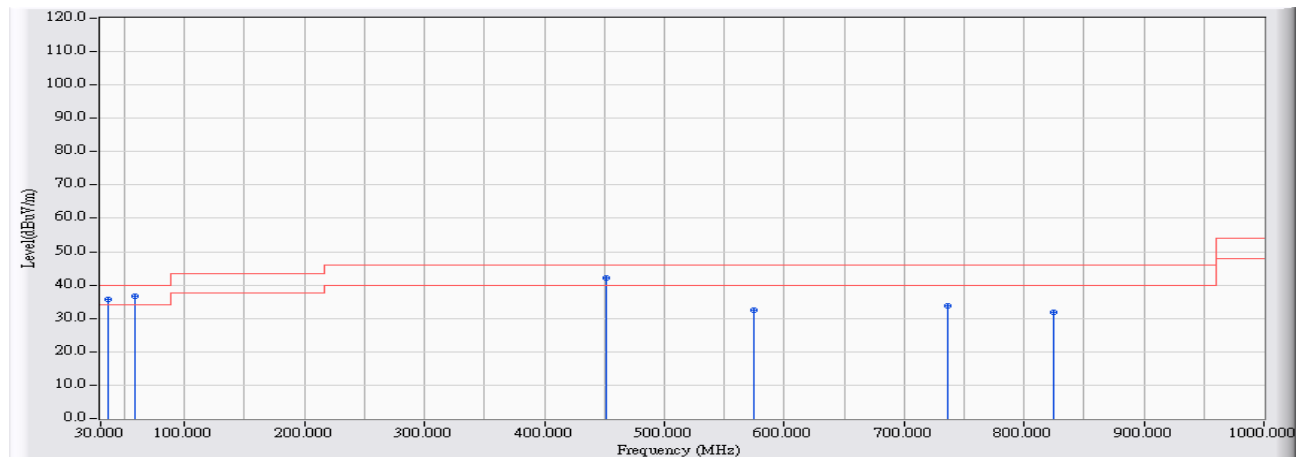


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	34.850	-12.735	44.190	31.455	-8.545	40.000	QUASIPeAK
2		60.070	-24.899	55.183	30.283	-9.717	40.000	QUASIPeAK
3		104.690	-20.634	53.582	32.948	-10.552	43.500	QUASIPeAK
4		360.285	-17.045	49.046	32.000	-14.000	46.000	QUASIPeAK
5		452.920	-14.917	48.165	33.248	-12.752	46.000	QUASIPeAK
6		736.160	-11.712	47.451	35.739	-10.261	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. “ * ”, means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(20M)_5785MHz Mode 2: Tx-Dipole ANT

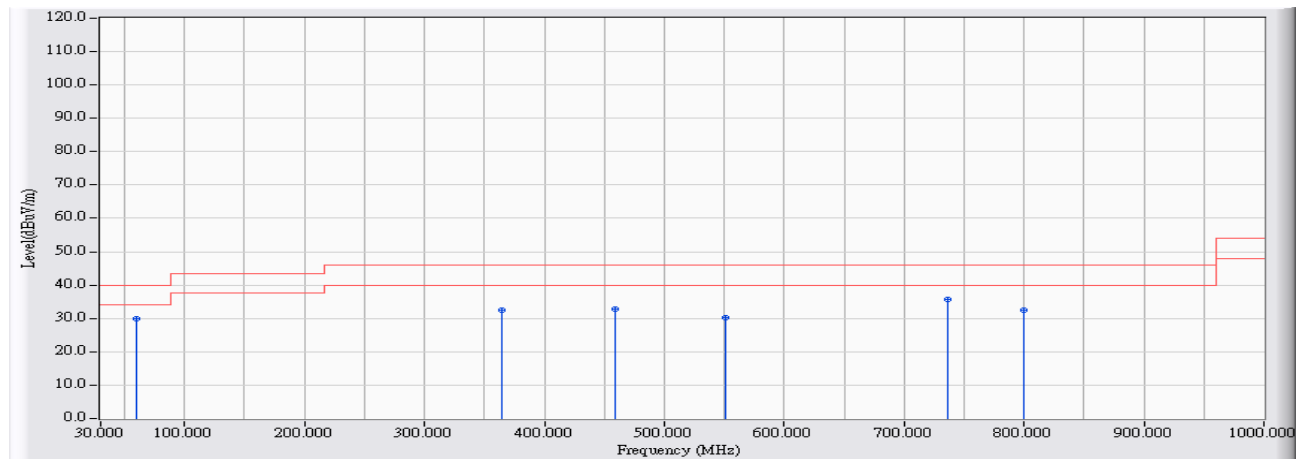


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		36.790	-12.656	48.283	35.627	-4.373	40.000	QUASIPeAK
2	*	59.100	-24.636	61.172	36.535	-3.465	40.000	QUASIPeAK
3		450.980	-14.949	57.205	42.256	-3.744	46.000	QUASIPeAK
4		575.140	-13.267	45.634	32.367	-13.633	46.000	QUASIPeAK
5		736.160	-11.712	45.578	33.866	-12.134	46.000	QUASIPeAK
6		824.915	-10.687	42.481	31.795	-14.205	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(40M)_5795MHz Mode 2: Tx-Dipole ANT

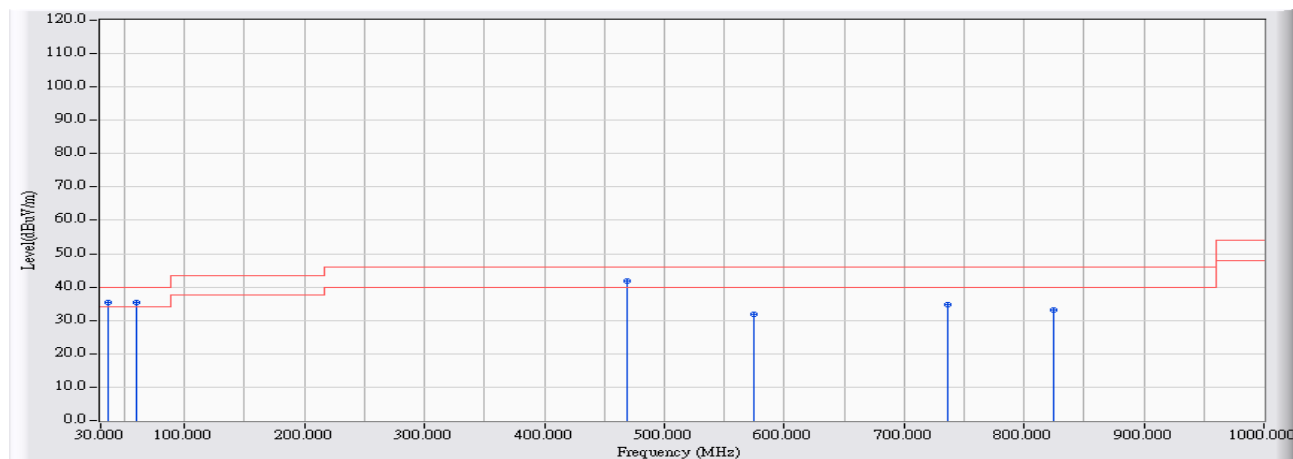


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	*	60.070	-24.899	54.893	29.993	-10.007	40.000	QUASIPeAK
2		364.165	-16.927	49.404	32.477	-13.523	46.000	QUASIPeAK
3		459.225	-14.812	47.716	32.904	-13.096	46.000	QUASIPeAK
4		550.890	-13.548	43.892	30.343	-15.657	46.000	QUASIPeAK
5		736.160	-11.712	47.387	35.675	-10.325	46.000	QUASIPeAK
6		800.180	-10.970	43.418	32.447	-13.553	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(40M)_5795MHz Mode 2: Tx-Dipole ANT

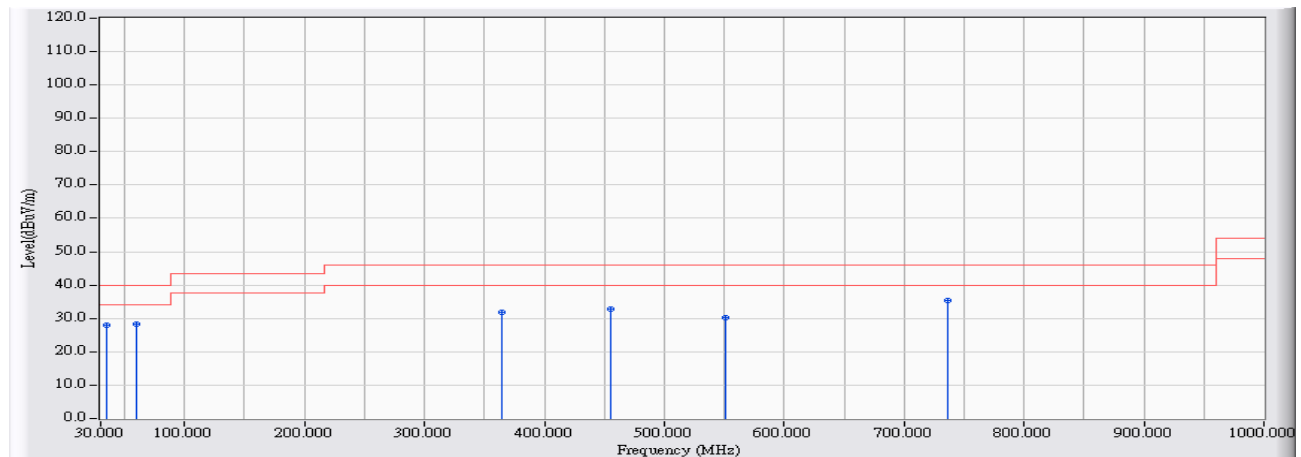


	Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1	36.790	-12.656	48.112	35.456	-4.544	40.000	QUASIPeAK
2	59.585	-24.767	60.065	35.297	-4.703	40.000	QUASIPeAK
3	* 468.440	-14.659	56.431	41.772	-4.228	46.000	QUASIPeAK
4	575.140	-13.267	45.057	31.790	-14.210	46.000	QUASIPeAK
5	736.160	-11.712	46.459	34.747	-11.253	46.000	QUASIPeAK
6	824.915	-10.687	43.764	33.078	-12.922	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - HORIZONTAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(80M)_5775MHz Mode 2: Tx-Dipole ANT

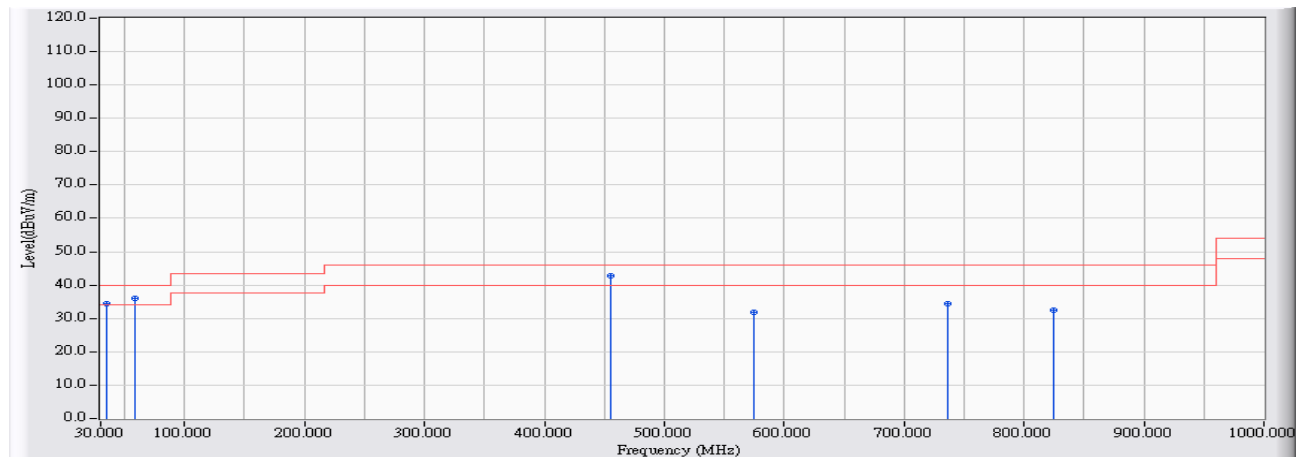


		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		34.365	-12.701	40.768	28.067	-11.933	40.000	QUASIPeAK
2		60.070	-24.899	53.066	28.166	-11.834	40.000	QUASIPeAK
3		364.165	-16.927	48.804	31.877	-14.123	46.000	QUASIPeAK
4		454.860	-14.885	47.660	32.775	-13.225	46.000	QUASIPeAK
5		550.890	-13.548	43.675	30.126	-15.874	46.000	QUASIPeAK
6	*	736.160	-11.712	47.133	35.421	-10.579	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.

Site : CB4-H	Time : 2017/01/25
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Probe : CB4-H_FCC_EFS_S2_30M-1GHz_1116 - VERTICAL	Power : AC 120 V / 60Hz
EUT : Mimosa C5c	Note : 802.11ac(80M)_5775MHz Mode 2: Tx-Dipole ANT



		Frequency (MHz)	Correct Factor (dB)	Reading Level (dBuV)	Measure Level (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Detector Type
1		34.850	-12.735	47.253	34.518	-5.482	40.000	QUASIPeAK
2		59.100	-24.636	60.592	35.955	-4.045	40.000	QUASIPeAK
3	*	455.830	-14.869	57.706	42.837	-3.163	46.000	QUASIPeAK
4		575.140	-13.267	45.186	31.919	-14.081	46.000	QUASIPeAK
5		736.160	-11.712	46.151	34.439	-11.561	46.000	QUASIPeAK
6		824.915	-10.687	43.275	32.589	-13.411	46.000	QUASIPeAK

Note:

1. All Reading Levels are Quasi-Peak value.
2. " * ", means this data is the worst emission level.
3. Measurement Level = Reading Level + Correct Factor.