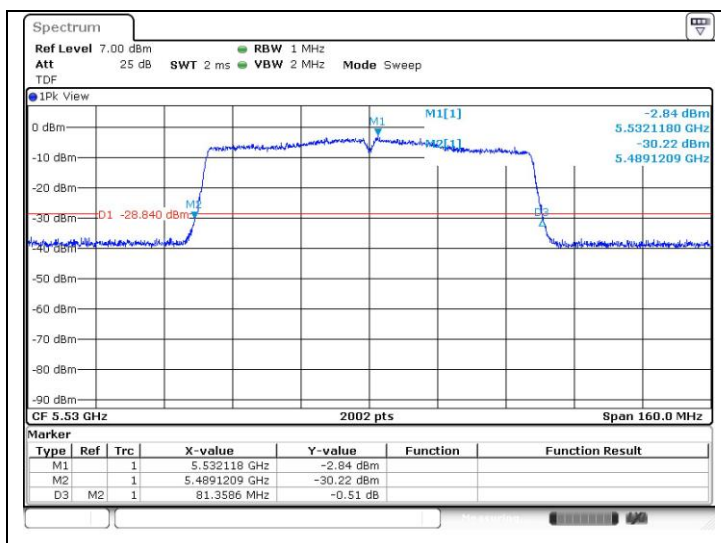


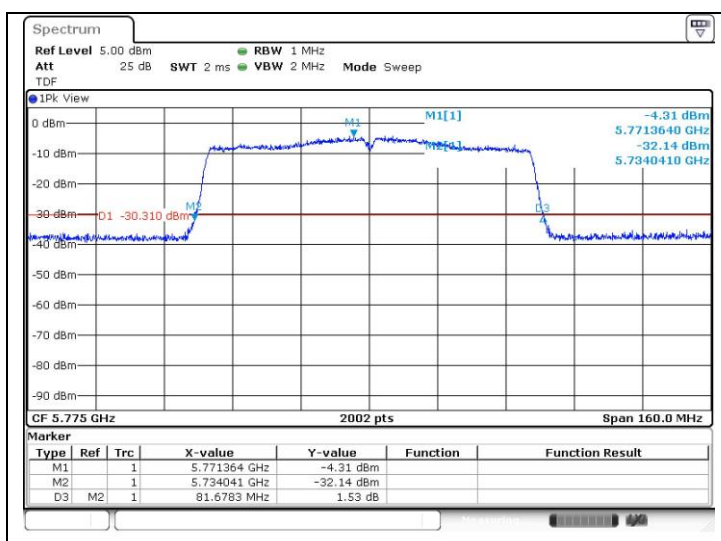
802.11ac_VHT80 (Band 2C)

Low Channel
 (5 530 MHz)



802.11ac_VHT80 (Band 3)

Middle Channel
 (5 775 MHz)

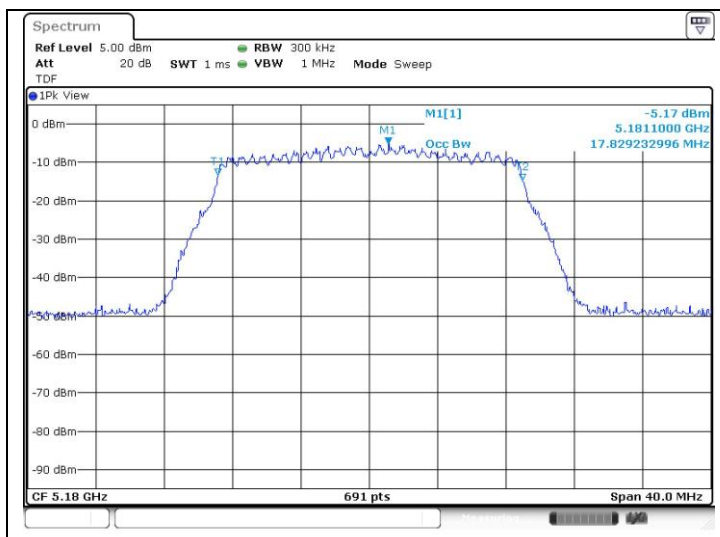


- MIMO_Ant.2

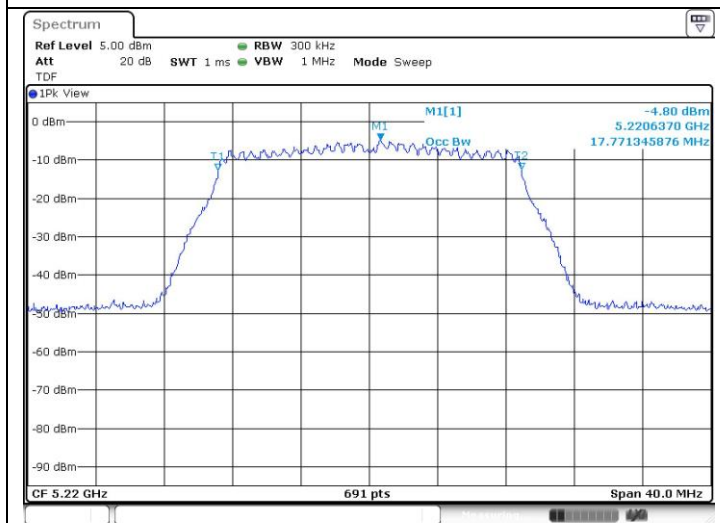
99 % Bandwidth

802.11ac_VHT20 (Band 1)

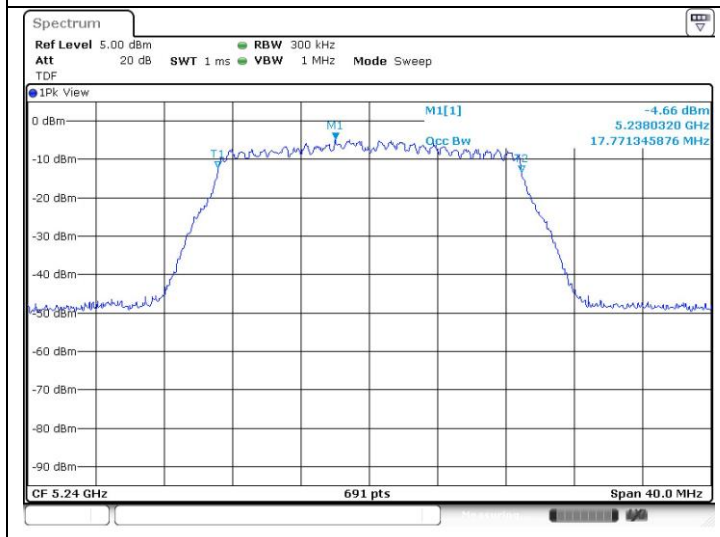
Low Channel
(5 180 MHz)



Middle Channel
(5 220 MHz)

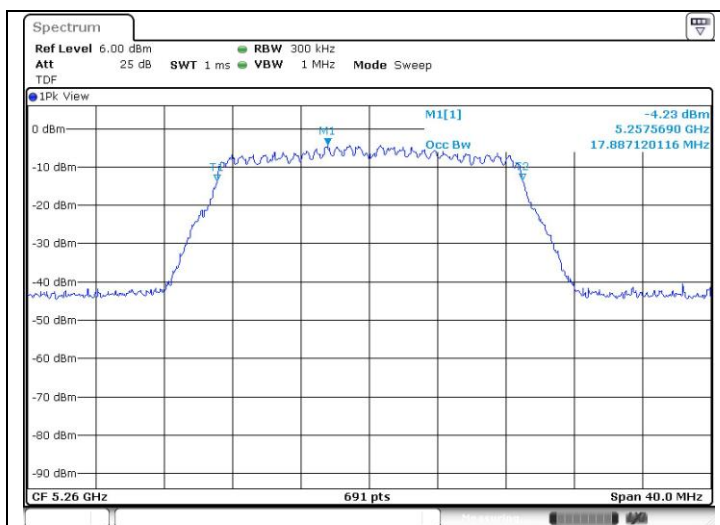


High Channel
(5 240 MHz)

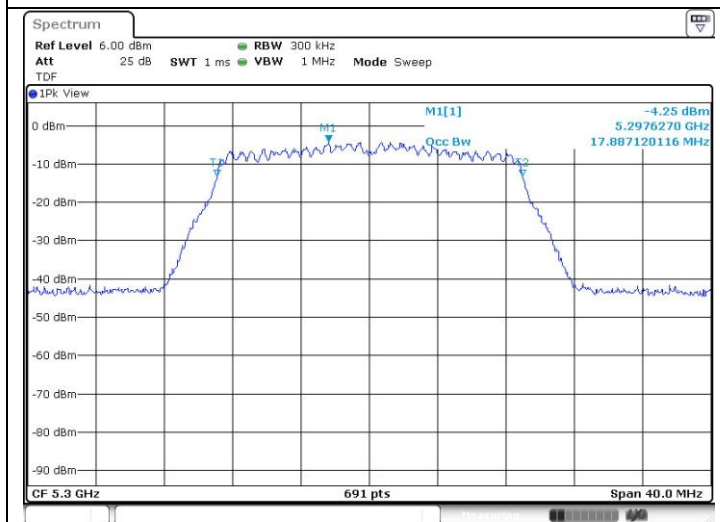


802.11ac_VHT20 (Band 2A)

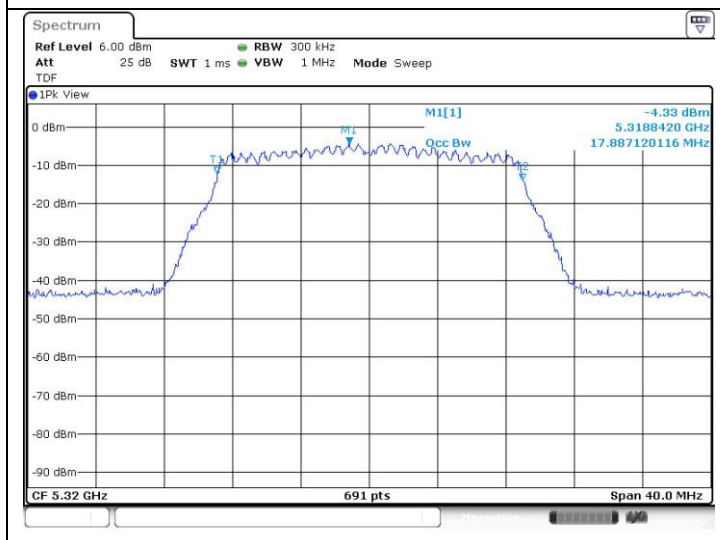
Low Channel
(5 260 MHz)



Middle Channel
(5 300 MHz)

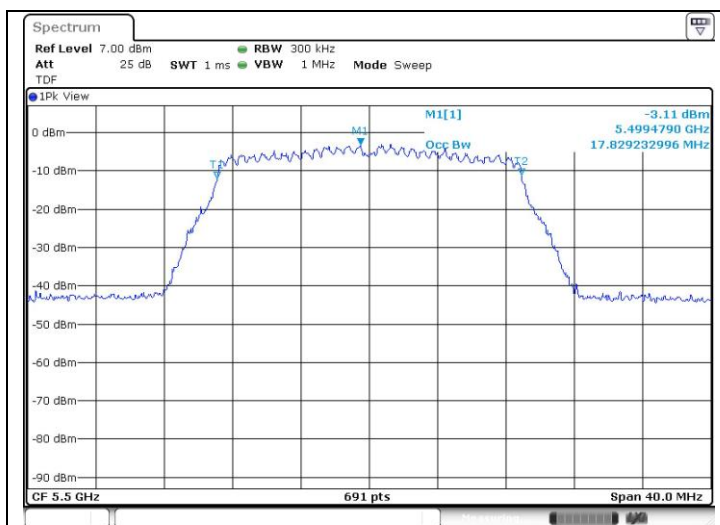


High Channel
(5 320 MHz)

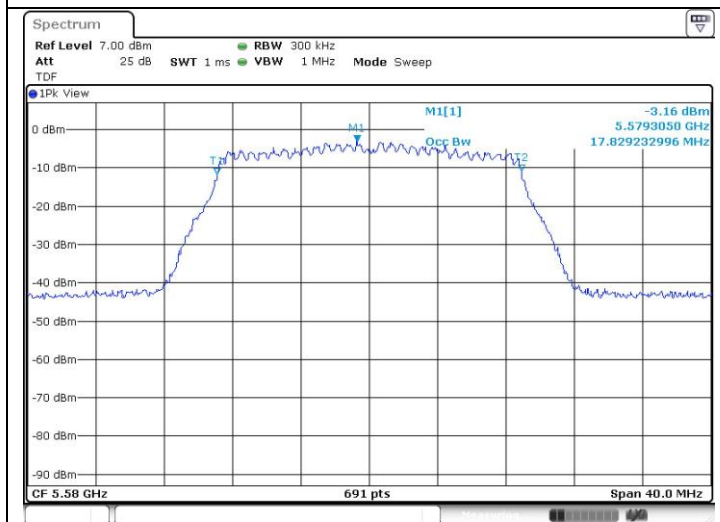


802.11ac_VHT20 (Band 2C)

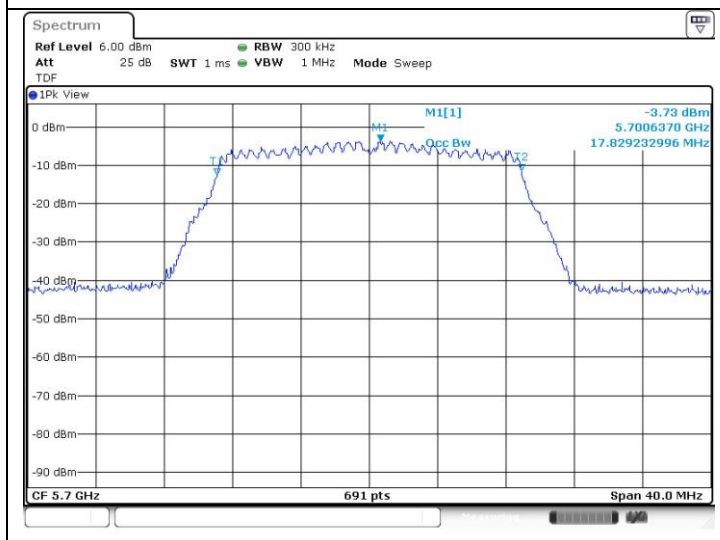
Low Channel
(5 500 MHz)



Middle Channel
(5 580 MHz)

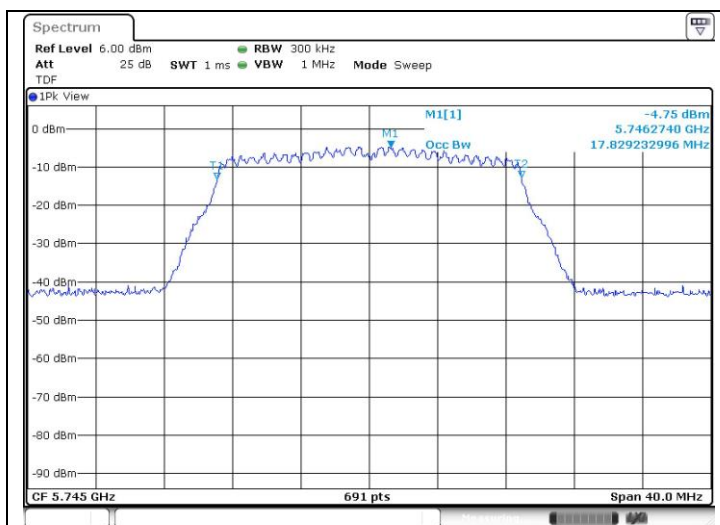


High Channel
(5 700 MHz)

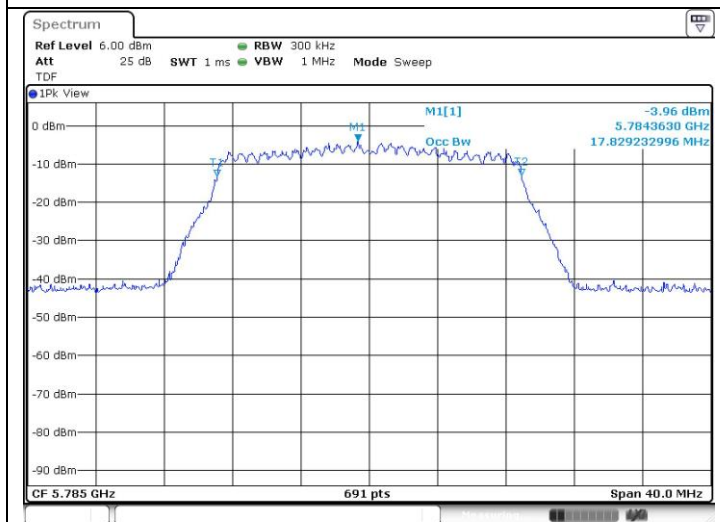


802.11ac_VHT20 (Band 3)

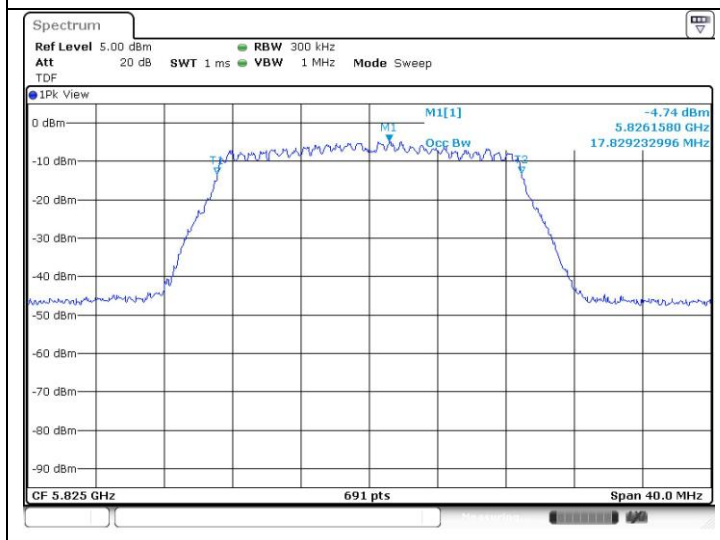
Low Channel
(5 745 MHz)



Middle Channel
(5 785 MHz)

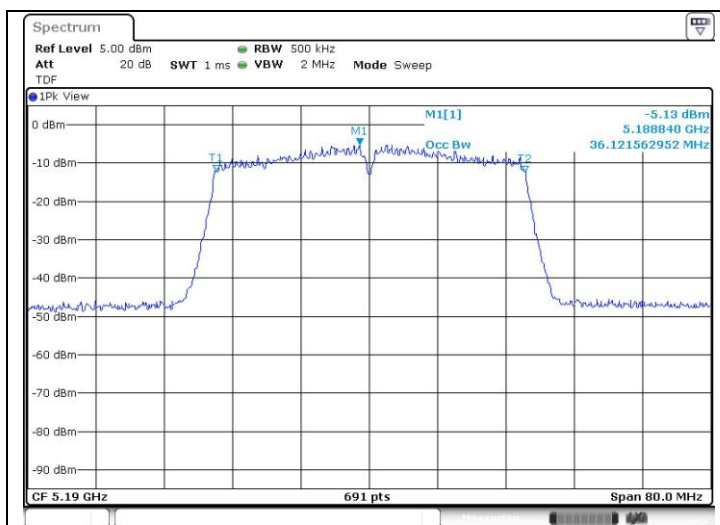


High Channel
(5 825 MHz)

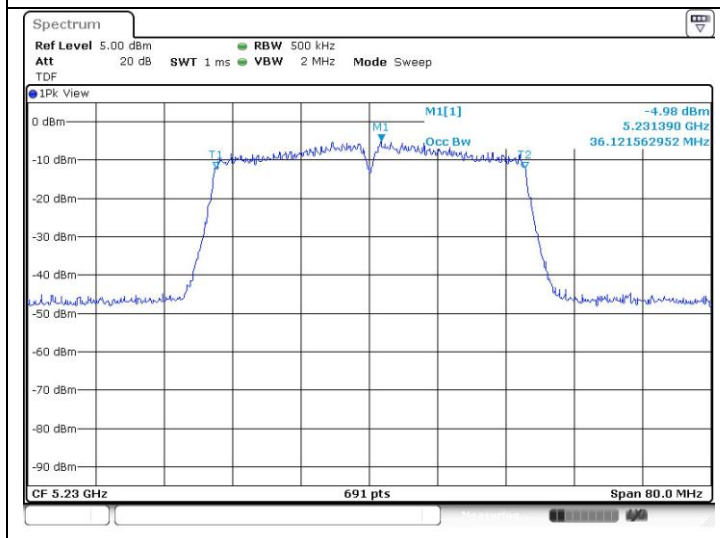


802.11ac_VHT40 (Band 1)

Low Channel
(5 190 MHz)

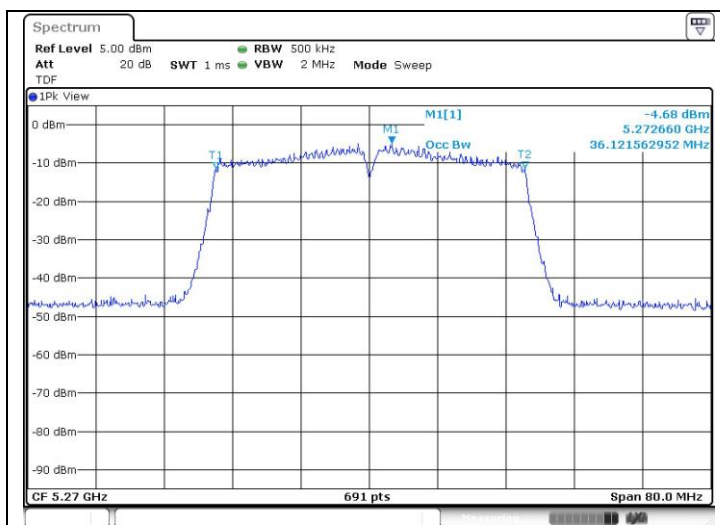


High Channel
(5 230 MHz)

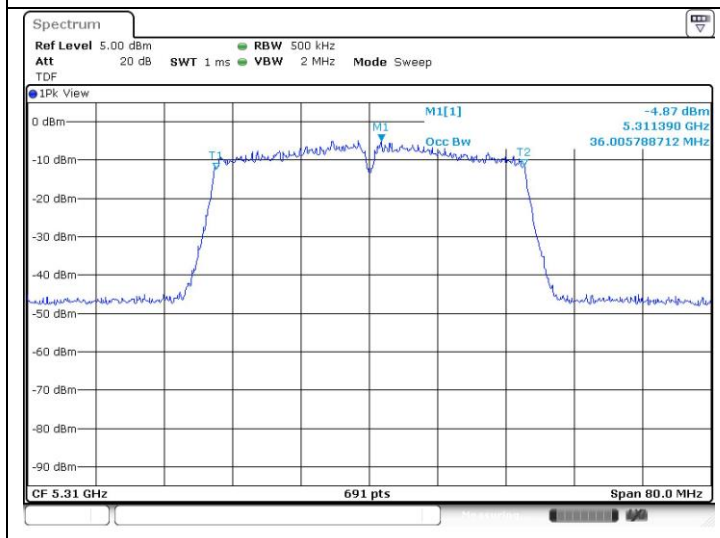


802.11ac_VHT40 (Band 2A)

Low Channel
(5 270 MHz)

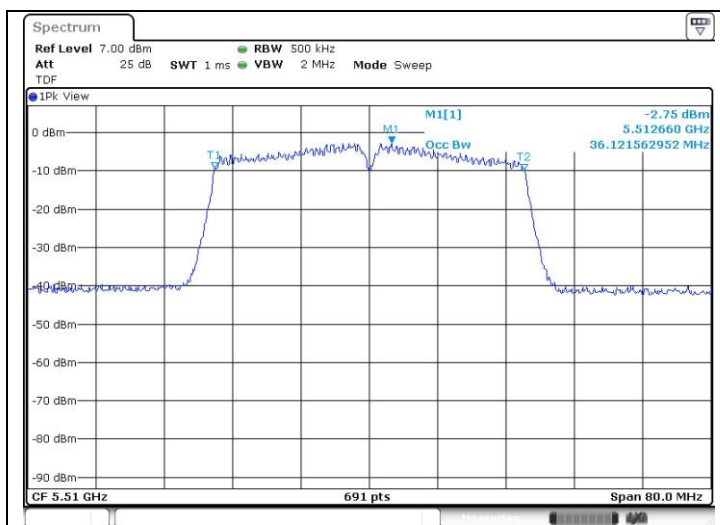


High Channel
(5 310 MHz)

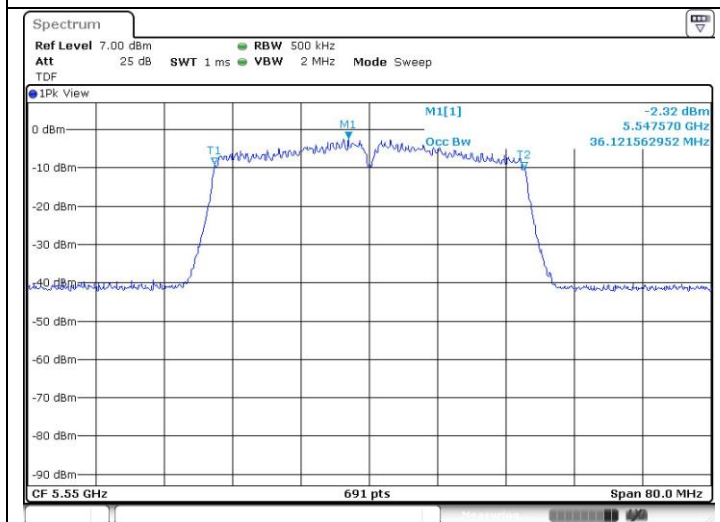


802.11ac_VHT40 (Band 2C)

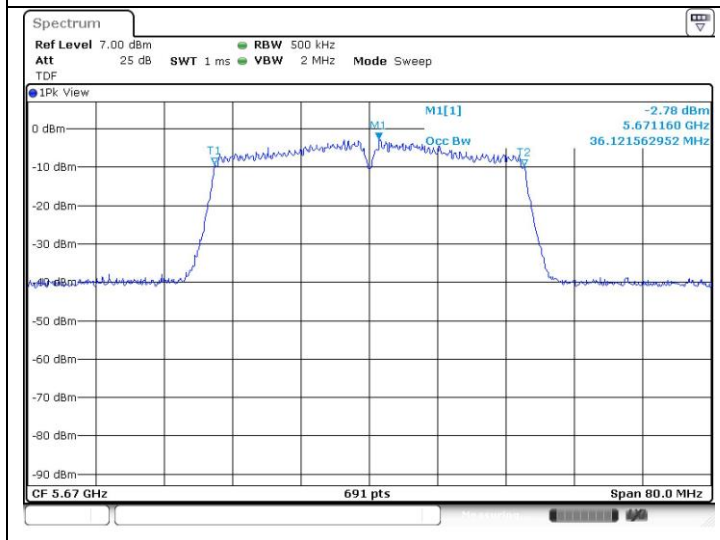
Low Channel
(5 510 MHz)



Middle Channel
(5 550 MHz)

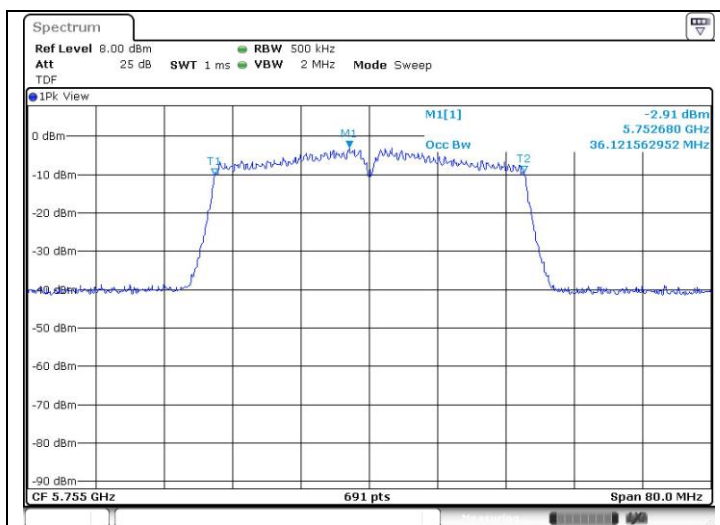


High Channel
(5 670 MHz)

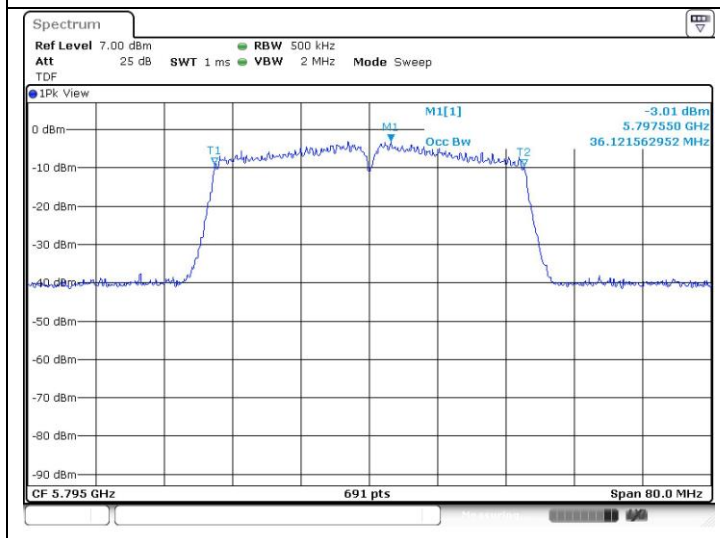


802.11ac_VHT40 (Band 3)

Low Channel
(5 755 MHz)

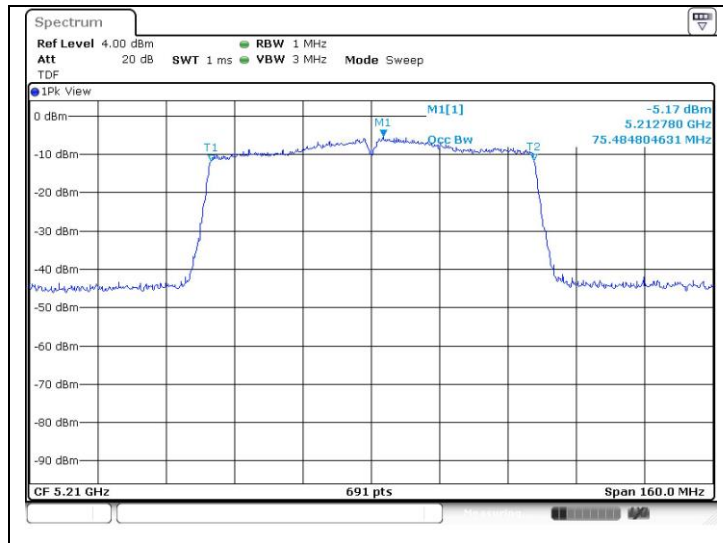


High Channel
(5 795 MHz)



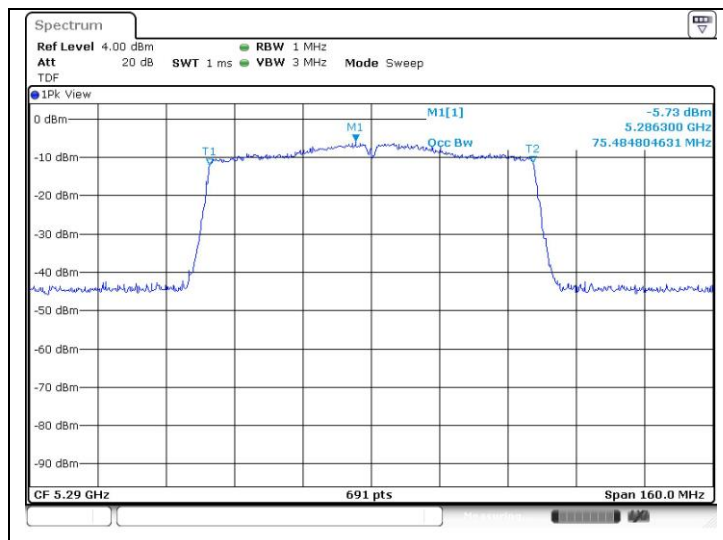
802.11ac_VHT80 (Band 1)

Middle Channel
 (5 210 MHz)



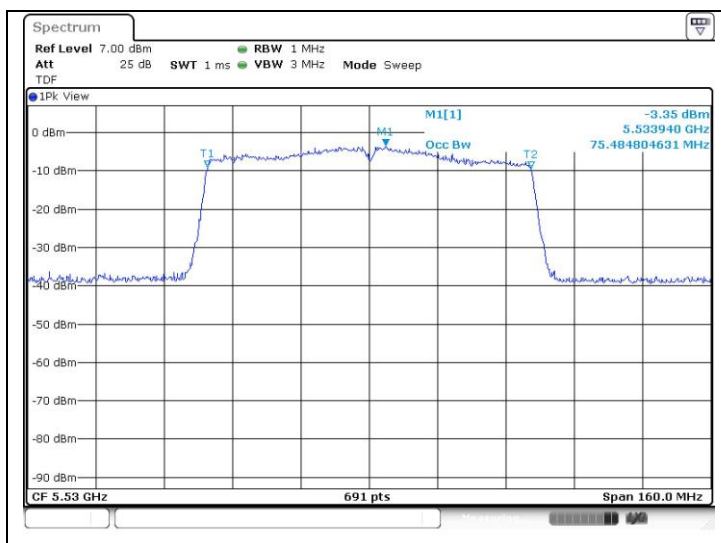
802.11ac_VHT80 (Band 2A)

Middle Channel
 (5 290 MHz)



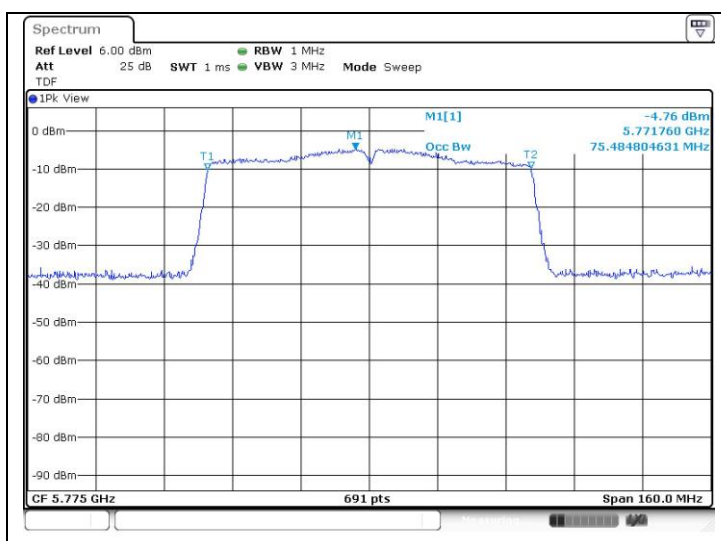
802.11ac_VHT80 (Band 2C)

Low Channel
(5 530 MHz)



802.11ac_VHT80 (Band 3)

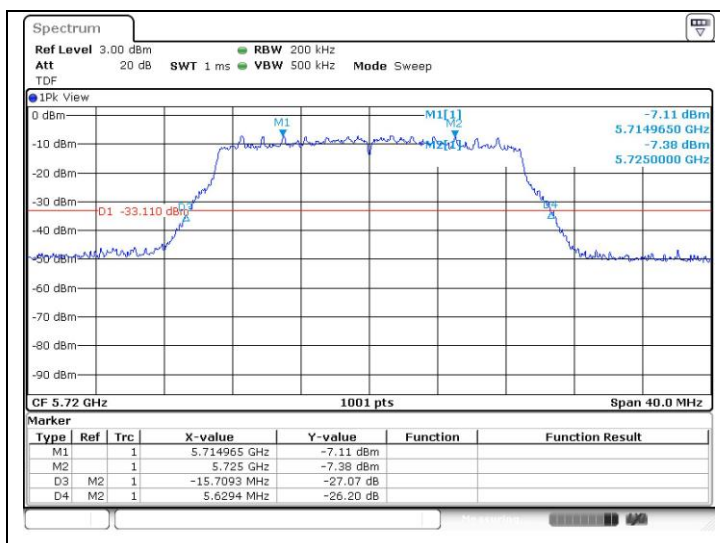
Middle Channel
(5 775 MHz)



Band-crossing channels

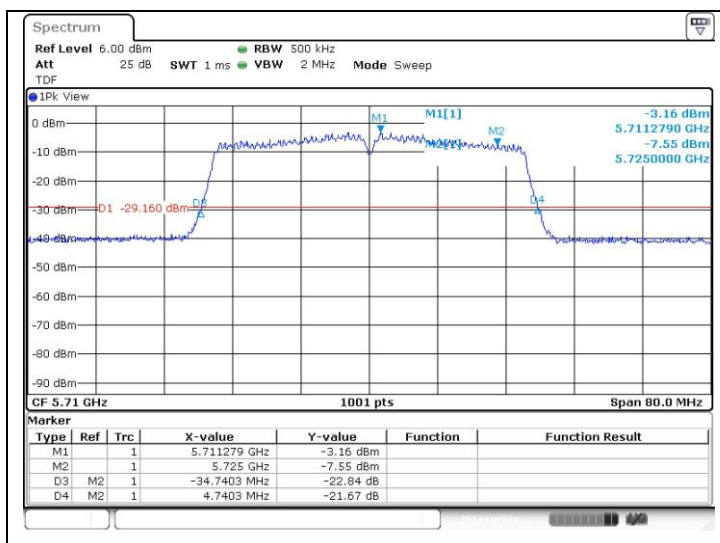
802.11ac_VHT20 (Band 2C)

High Channel
(5 720 MHz)



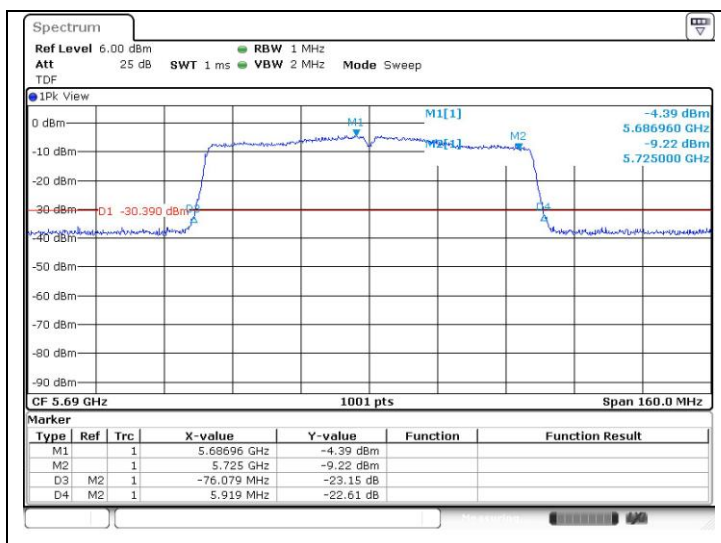
802.11ac_VHT40 (Band 2C)

High Channel
(5 710 MHz)



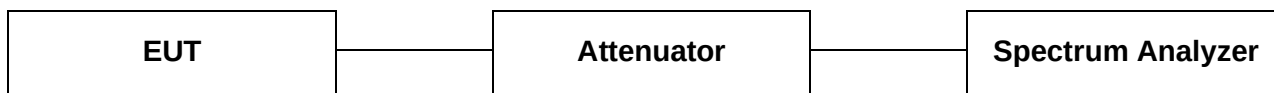
802.11ac_VHT80 (Band 2C)

High Channel
 (5 690 MHz)



4. 6 dB Bandwidth

4.1. Test Setup



4.2. Limit

4.2.1. FCC

According to §15.407(e), within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

4.2.2. IC

According to RSS-247 Issue 2, 6.2.4.1, the minimum 6 dB Bandwidth shall be at least 500 kHz.

4.3. Test Procedure

1. This measurement settings are specified in section II.C.2 of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = 100 kHz.
3. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Sweep = auto couple.
7. Allow the trace to stabilize.
8. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

Remark;

In case of band crossing channels 138, 142 and 144, the measurement is complied with section III.A of KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

4.4. Test Result

Ambient temperature : (23 ± 1) °C
 Relative humidity : 47 % R.H.

- SISO_Ant.1

Band	Mode	Frequency (MHz)	Ch.	Data Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Bandwidth (kHz)
U-NII 3	11a	5 745	149	6	16.344	500
		5 785	157		16.324	
		5 825	165		16.324	
	11ac_VHT20	5 745	149	MCS0	17.582	
		5 785	157		17.582	
		5 825	165		17.602	
	11ac_VHT40	5 755	151	MCS0	35.724	
		5 795	159		35.445	
	11ac_VHT80	5 775	155	MCS0	75.285	
U-NII 3 (Band-crossing channels)	11a	5 720	144	6	3.182	
	11ac_VHT20	5 720	144	MCS0	3.801	
	11ac_VHT40	5 710	142	MCS0	2.842	
	11ac_VHT80	5 690	138	MCS0	2.842	

- SISO_Ant.2

Band	Mode	Frequency (MHz)	Ch.	Data Rate (Mbps)	6 dB Bandwidth (MHz)	Minimum Bandwidth (kHz)
U-NII 3	11a	5 745	149	6	16.344	500
		5 785	157		16.344	
		5 825	165		16.344	
	11ac_VHT20	5 745	149	MCS0	17.582	
		5 785	157		17.582	
		5 825	165		17.582	
	11ac_VHT40	5 755	151	MCS0	35.844	
		5 795	159		35.724	
	11ac_VHT80	5 775	155	MCS0	75.445	
U-NII 3 (Band-crossing channels)	11a	5 720	144	6	3.182	
	11ac_VHT20	5 720	144	MCS0	3.801	
	11ac_VHT40	5 710	142	MCS0	2.802	
	11ac_VHT80	5 690	138	MCS0	2.682	

- MIMO

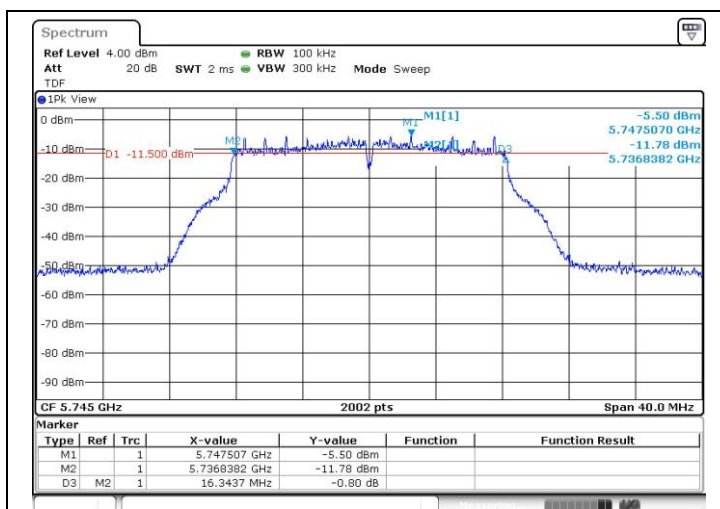
Band	Mode	Frequency (MHz)	Ch.	Data Rate (Mbps)	6 dB Bandwidth (MHz)		Minimum Bandwidth (kHz)
					Ant. 1	Ant. 2	
U-NII 3	11ac_VHT20	5 745	149	MCS0	17.602	17.602	500
		5 785	157		17.582	17.602	
		5 825	165		17.602	17.602	
	11ac_VHT40	5 755	151	MCS0	35.604	35.564	
		5 795	159		35.804	35.325	
	11ac_VHT80	5 775	155	MCS0	75.525	75.764	
U-NII 3 (Band- crossing channels)	11ac_VHT20	5 720	144	MCS0	3.801	3.801	
	11ac_VHT40	5 710	142	MCS0	2.922	2.602	
	11ac_VHT80	5 690	138	MCS0	2.762	2.682	

- Test plots

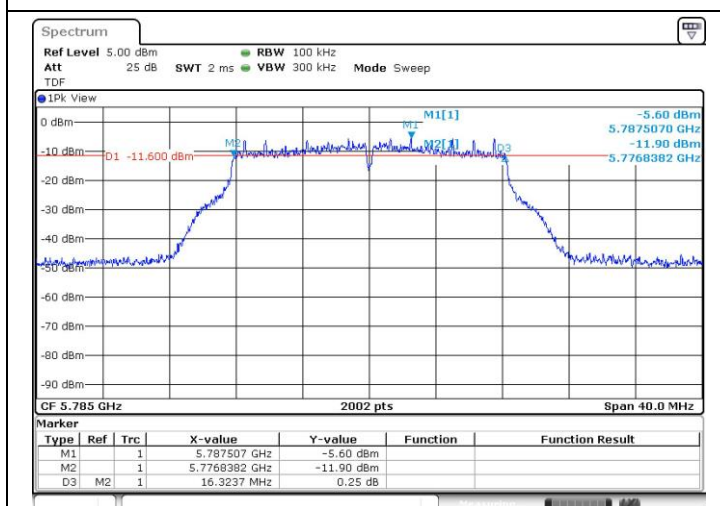
- SISO_Ant.1

802.11a (Band 3)

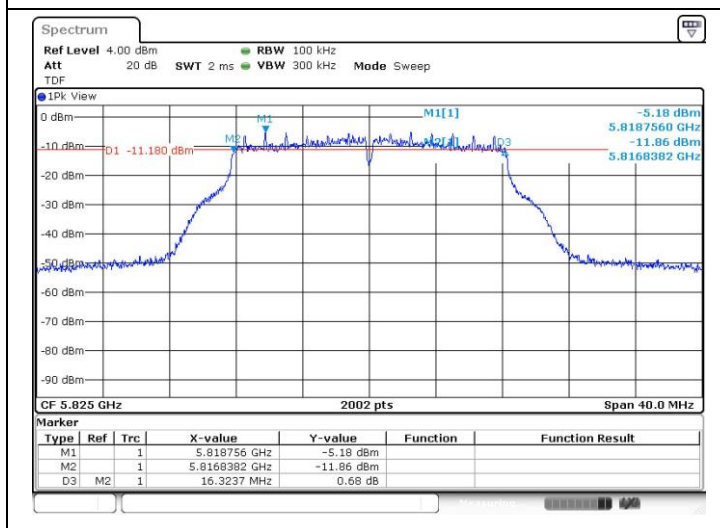
Low Channel
(5 745 MHz)



Middle Channel
(5 785 MHz)

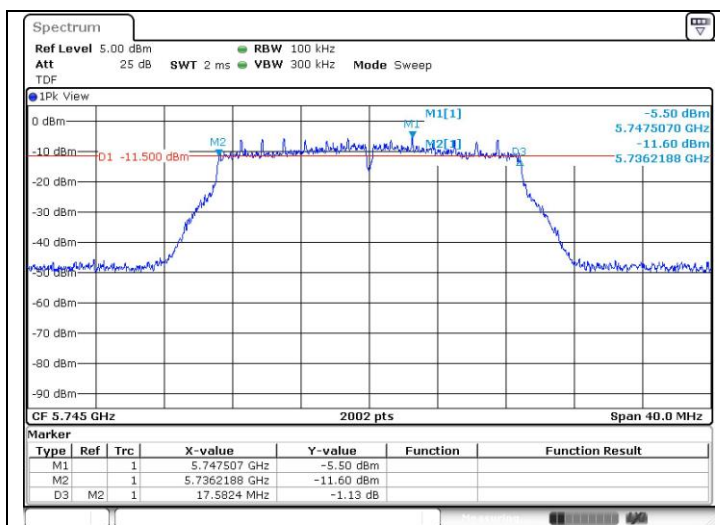


High Channel
(5 825 MHz)

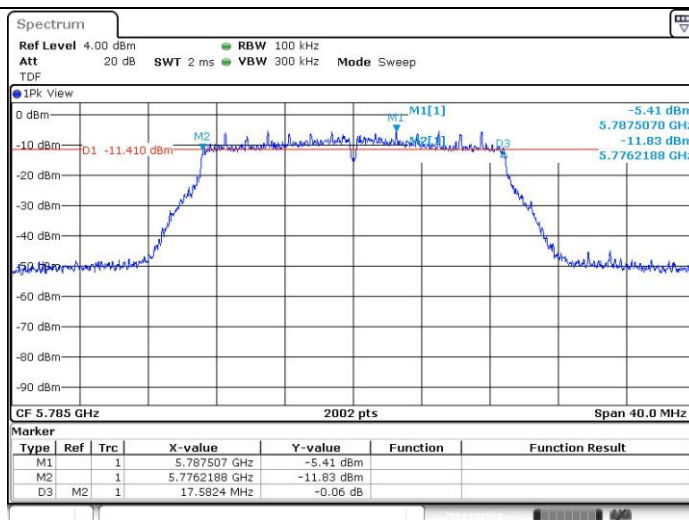


802.11ac_VHT20 (Band 3)

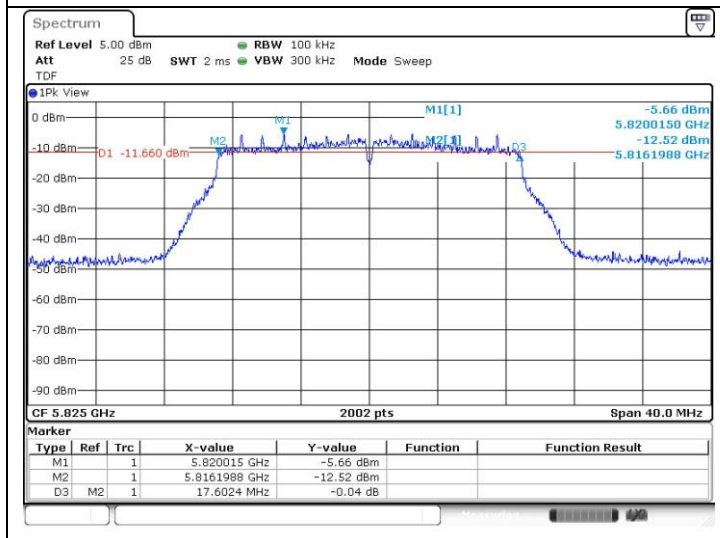
Low Channel
(5 745 MHz)



Middle Channel
(5 785 MHz)

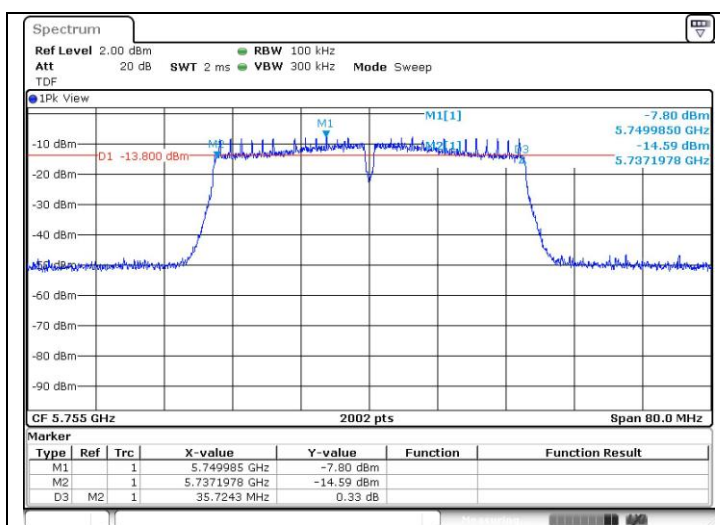


High Channel
(5 825 MHz)

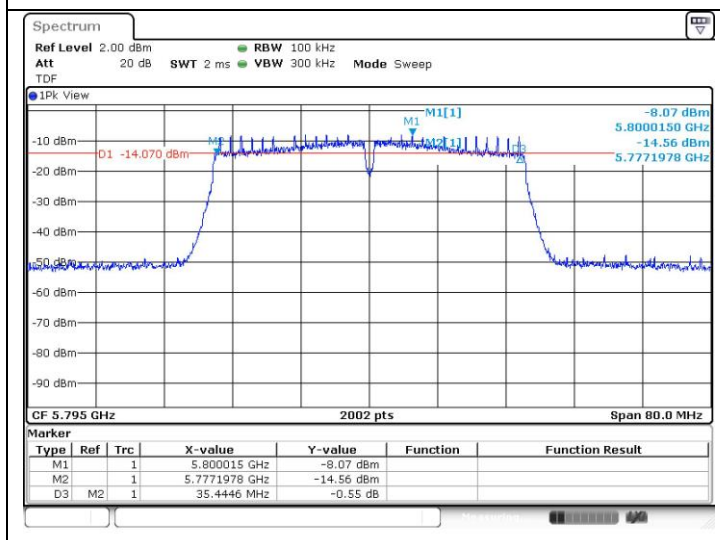


802.11ac_VHT40 (Band 3)

Low Channel
(5 755 MHz)

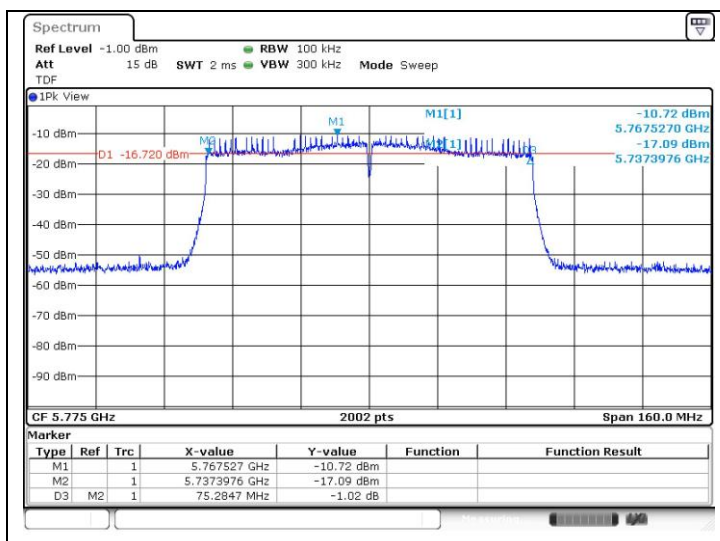


High Channel
(5 795 MHz)



802.11ac_VHT80 (Band 3)

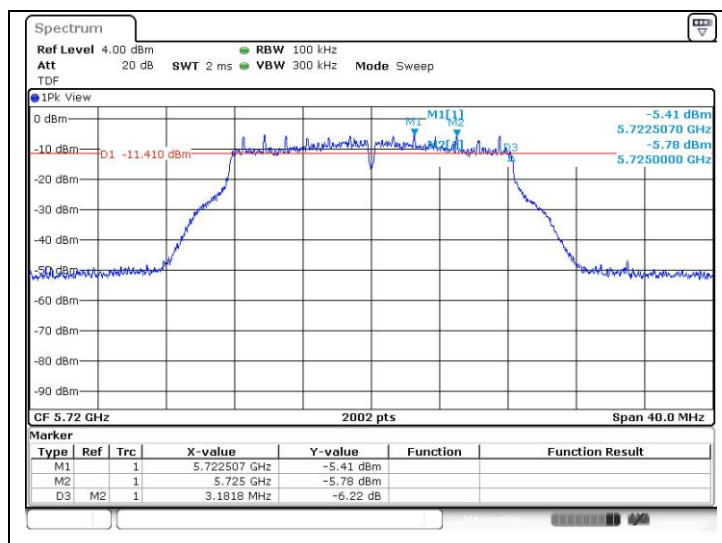
Middle Channel
(5 775 MHz)



Band-crossing channels

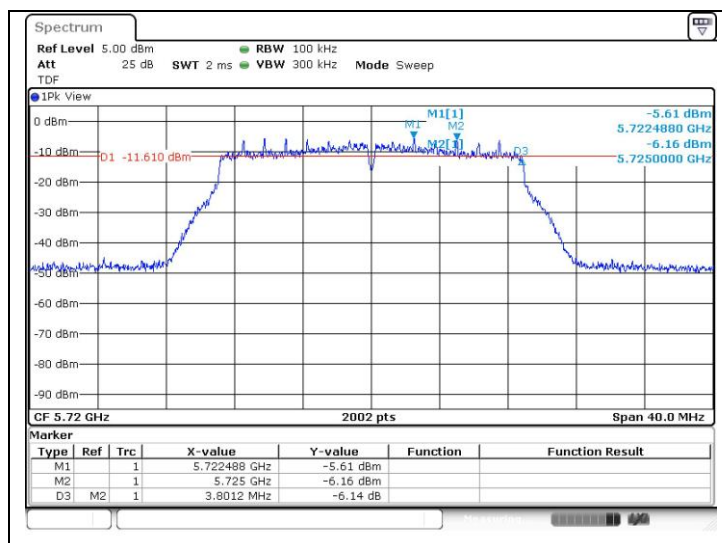
802.11a (Band 3)

High Channel
(5 720 MHz)



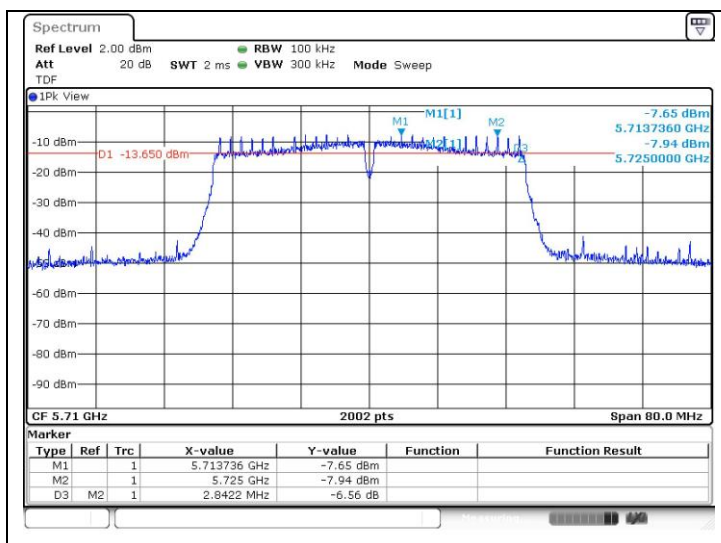
802.11ac_VHT20 (Band 3)

High Channel
(5 720 MHz)



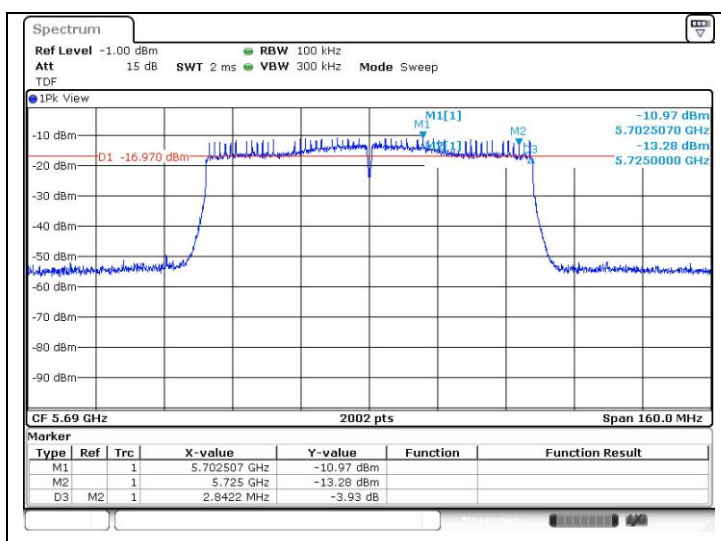
802.11ac_VHT40 (Band 3)

High Channel
 (5 710 MHz)



802.11ac_VHT80 (Band 3)

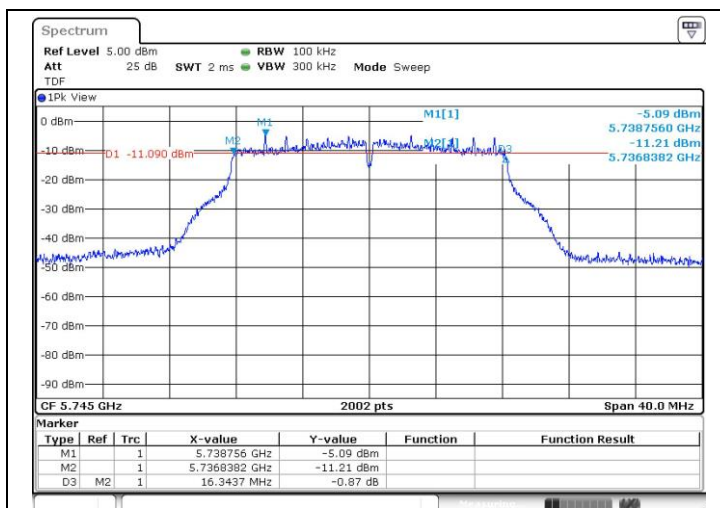
Middle Channel
 (5 690 MHz)



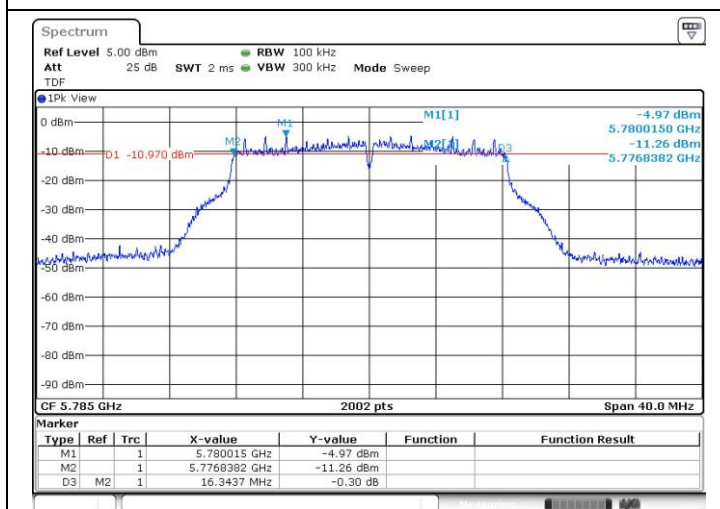
- SISO_Ant.2

802.11a (Band 3)

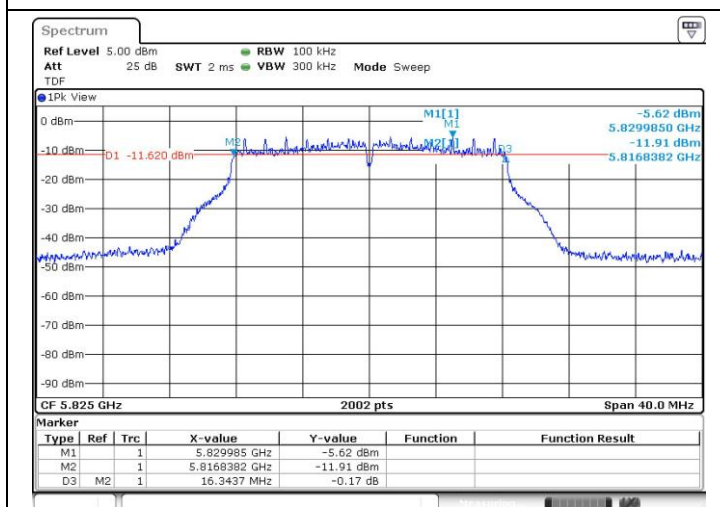
Low Channel
(5 745 MHz)



Middle Channel
(5 785 MHz)

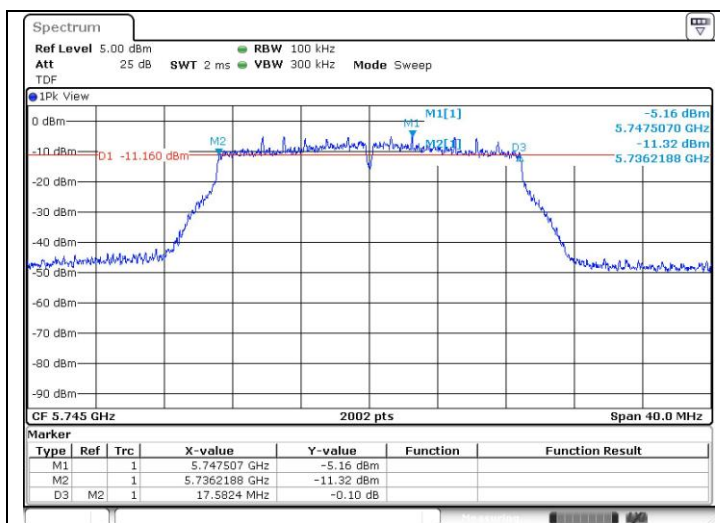


High Channel
(5 825 MHz)

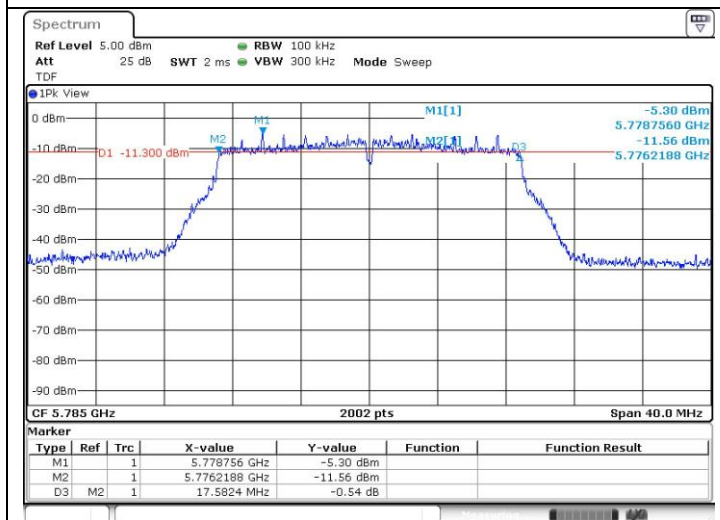


802.11ac_VHT20 (Band 3)

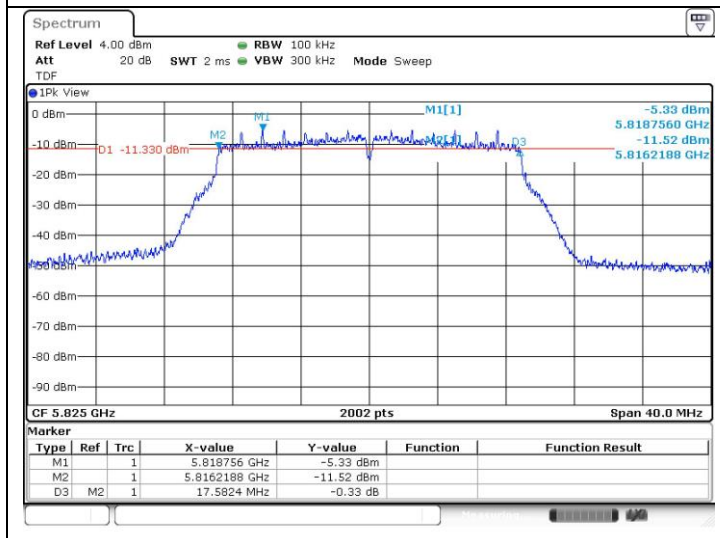
Low Channel
(5 745 MHz)



Middle Channel
(5 785 MHz)

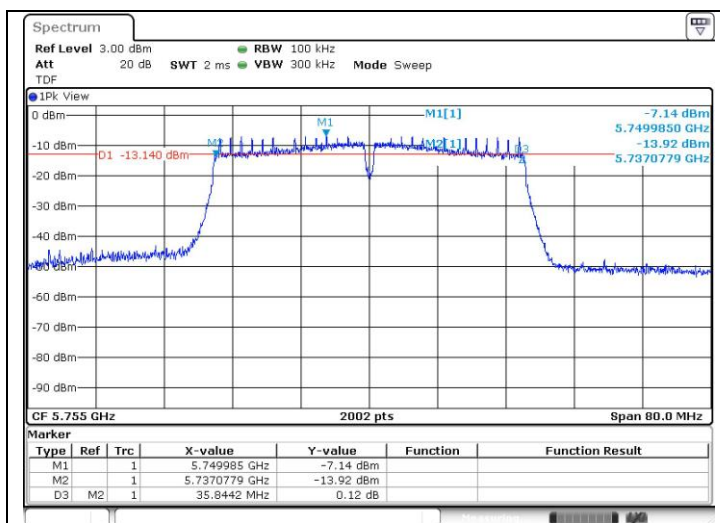


High Channel
(5 825 MHz)

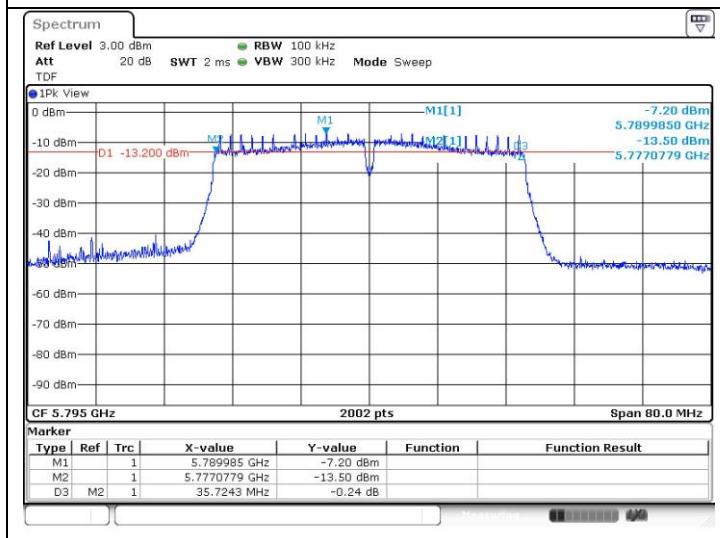


802.11ac_VHT40 (Band 3)

Low Channel
(5 755 MHz)

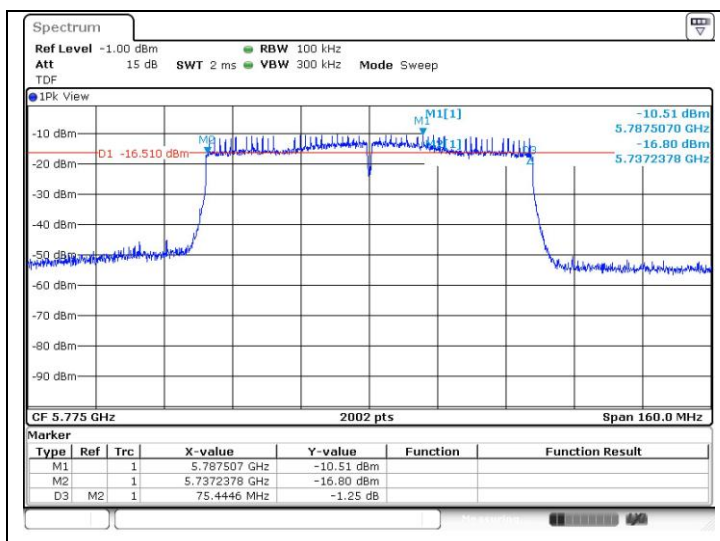


High Channel
(5 795 MHz)



802.11ac_VHT80 (Band 3)

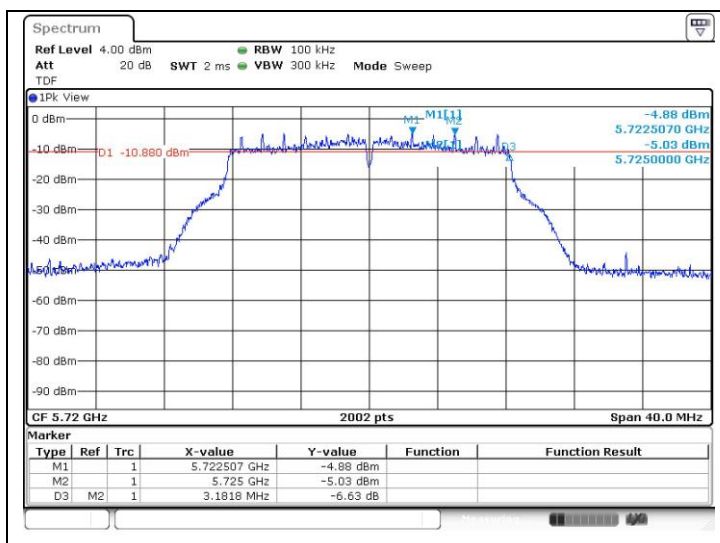
Middle Channel
(5 775 MHz)



Band-crossing channels

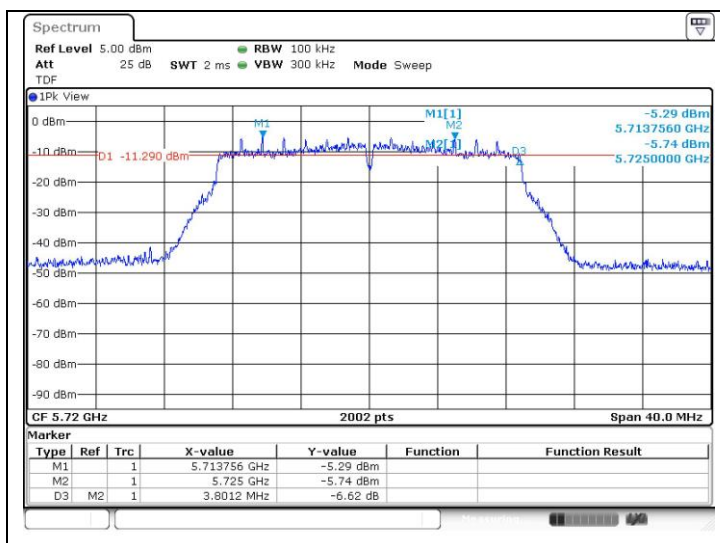
802.11a (Band 3)

High Channel
 (5 720 MHz)



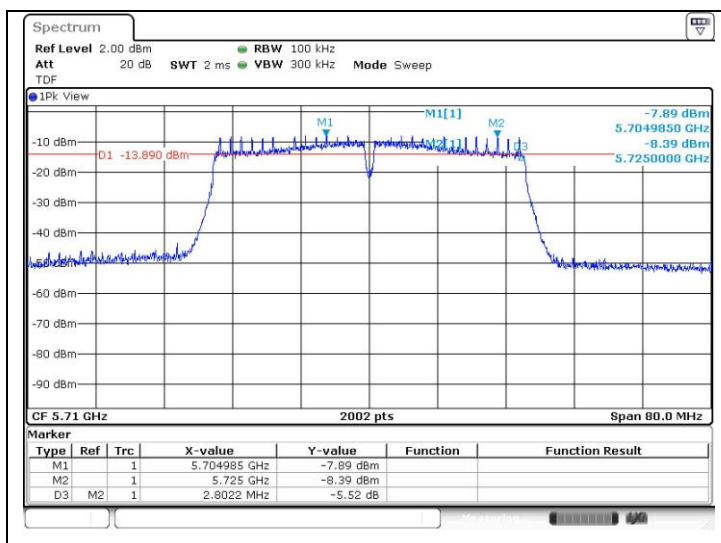
802.11ac_VHT20 (Band 3)

High Channel
 (5 720 MHz)



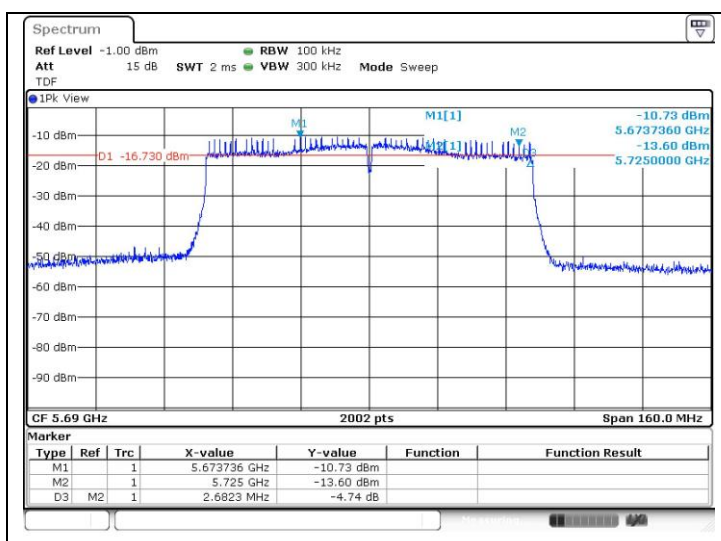
802.11ac_VHT40 (Band 3)

High Channel
 (5 710 MHz)



802.11ac_VHT80 (Band 3)

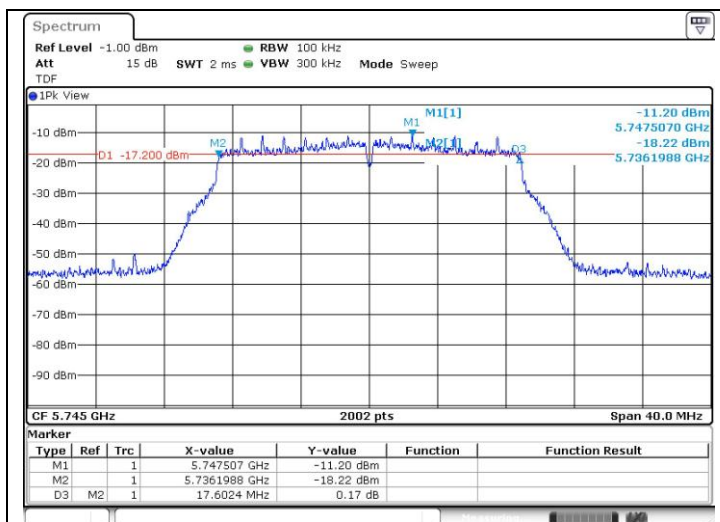
Middle Channel
 (5 690 MHz)



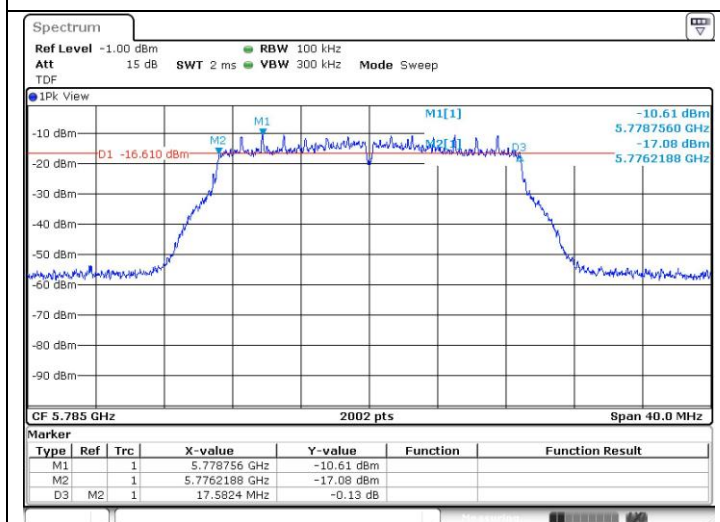
- MIMO_Ant.1

802.11ac_VHT20 (Band 3)

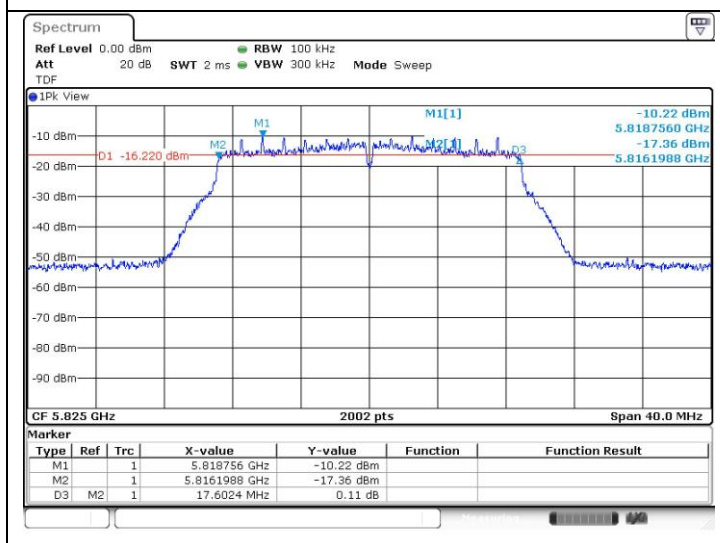
Low Channel
(5 745 MHz)



Middle Channel
(5 785 MHz)

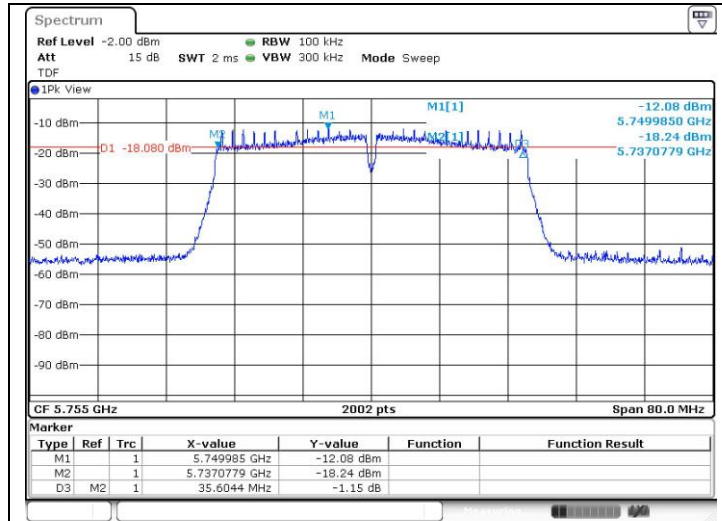


High Channel
(5 825 MHz)

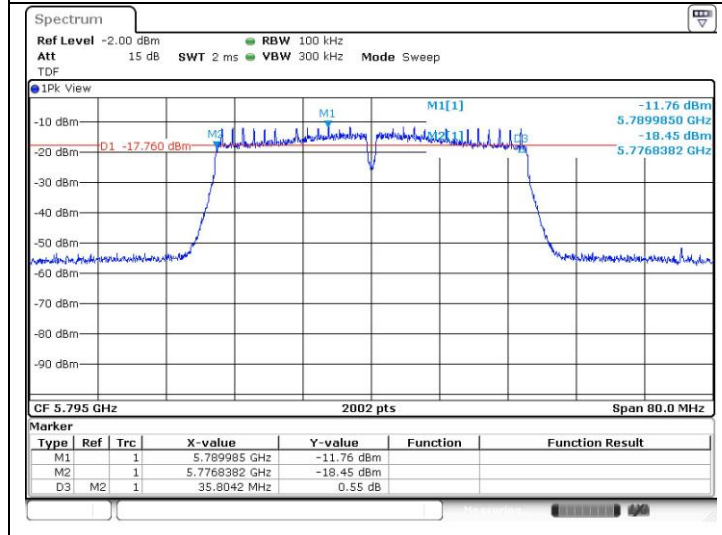


802.11ac_VHT40 (Band 3)

Low Channel
(5 755 MHz)

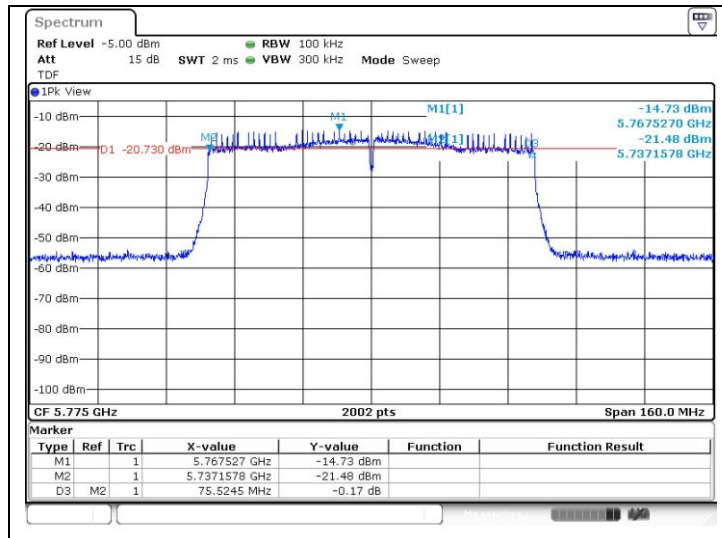


High Channel
(5 795 MHz)



802.11ac_VHT80 (Band 3)

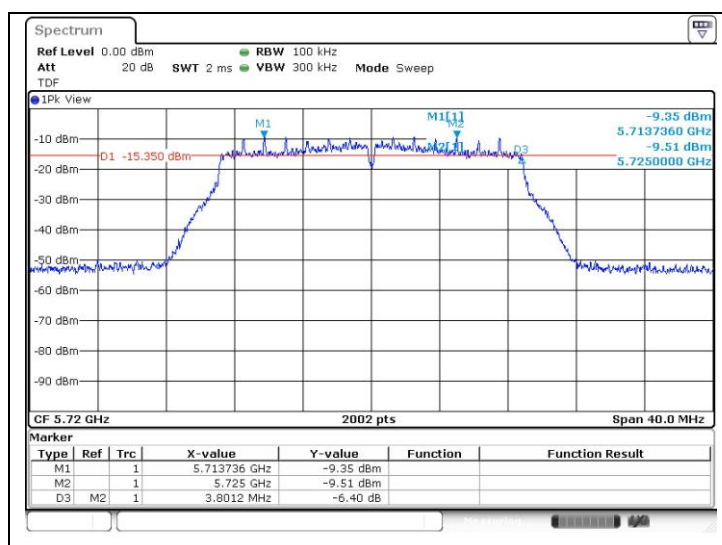
Middle Channel
(5 775 MHz)



Band-crossing channels

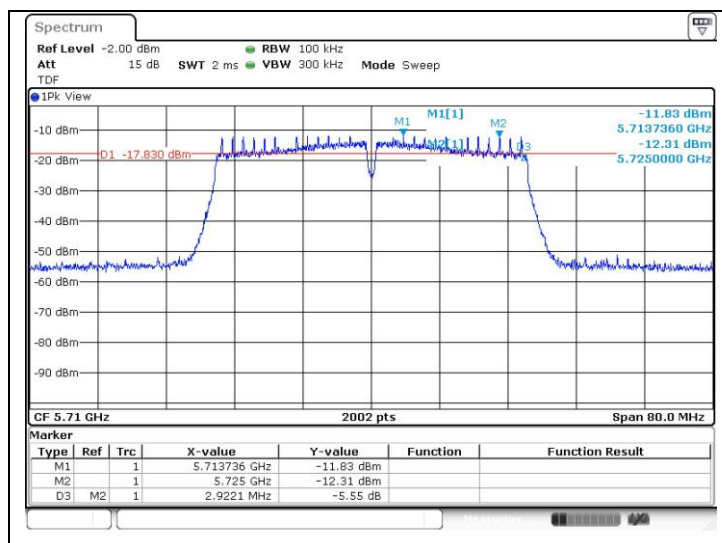
802.11ac_VHT20 (Band 3)

High Channel
(5 720 MHz)



802.11ac_VHT40 (Band 3)

High Channel
(5 710 MHz)



802.11ac_VHT80 (Band 3)

High Channel
 (5 690 MHz)

