

Test mode: 11ac_VHT40

Band	Frequency (MHz)	Ch.	Data Rate (Mbps)	Core 0 Measured PPSD (dB m)	Core 1 Measured PPSD (dB m)	Core 0 + Core 1 PPSD (dB m)
U-NII 1	5 190	38	MCS0	-12.07	-11.36	-8.69
	5 230	46		-11.83	-11.20	-8.49
U-NII 2A	5 270	54		-11.52	-10.41	-7.92
	5 310	62		-11.88	-10.72	-8.25
U-NII 2C	5 510	102		-11.38	-12.13	-8.73
	5 550	110		-11.55	-11.65	-8.59
	5 670	134		-12.49	-11.19	-8.78
U-NII 3	5 755	151		-13.94	-13.34	-10.62
	5 795	159		-13.84	-13.57	-10.69

Band	Frequency (MHz)	Ch.	Data Rate (Mbps)	Core 0 + Core 1 PPSD (dB m)	Duty Cycle Correction Factor (dB)	Core 0 + Core 1 Final PPSD (dB m)	Limit (dB m/1 MHz)
U-NII 1	5 190	38	MCS0	-8.69	0.61	-8.08	11
	5 230	46		-8.49		-7.88	
U-NII 2A	5 270	54		-7.92		-7.31	
	5 310	62		-8.25		-7.64	
U-NII 2C	5 510	102		-8.73		-8.12	
	5 550	110		-8.59		-7.98	
	5 670	134		-8.78		-8.17	
U-NII 3	5 755	151	MCS0	-10.62	0.61	-10.01	30
	5 795	159		-10.69		-10.08	

Remark;

1. According to KDB 662911 D01 v02r01, power spectral density of each port (Ant. 1+Ant. 2) was combined by using below calculation.
2. PPSSD: $10 \log \{10^{(\text{Ant. 1 PSD} / 10)} + 10^{(\text{Ant. 2 PSD} / 10)}\}$
3. Final PPSSD (dB m) = PPSSD (dB m) + Duty Correction Correction Factor (dB)

Test mode: 11ac_VHT80

Band	Frequency (MHz)	Ch.	Data Rate (Mbps)	Ant. 1 Measured PPSD (dB m)	Ant. 2 Measured PPSD (dB m)	Ant. 1+Ant. 2 PPSD (dB m)
U-NII 1	5 210	42	MCS0	-16.01	-14.93	-12.43
U-NII 2A	5 290	58		-15.78	-14.25	-11.94
U-NII 2C	5 530	106		-15.61	-15.84	-12.71
U-NII 3	5 775	155		-18.18	-17.72	-14.93

Band	Frequency (MHz)	Ch.	Data Rate (Mbps)	Core 0 + Core 1 PPSD (dB m)	Duty Cycle Correction Factor (dB)	Core 0 + Core 1 Final PPSD (dB m)	Limit (dB m/1 MHz)
U-NII 1	5 210	42	MCS0	-12.43	1.16	-11.27	11
U-NII 2A	5 290	58		-11.94		-10.78	
U-NII 2C	5 530	106		-12.71		-11.55	
Band	Frequency (MHz)	Ch.	Data Rate (Mbps)	Ant. 1+Ant. 2 PPSD (dB m)	Duty Cycle Correction Factor (dB)	Ant. 1+Ant. 2 Final PPSD (dB m)	Limit (dB m/500 kHz)
U-NII 3	5 775	155	MCS0	-14.93	1.16	-13.77	30

Remark;

1. According to KDB 662911 D01 v02r01, power spectral density of each port (Ant. 1+Ant. 2) was combined by using below calculation.
2. PPSSD: $10 \log \{10^{(\text{Ant. 1 PSD} / 10)} + 10^{(\text{Ant. 2 PSD} / 10)}\}$
3. Final PPSSD (dB m) = PPSSD (dB m) + Duty Correction Correction Factor (dB)

Band-crossing channels

Mode	Band	Frequency (MHz)	Ch.	Data Rate (Mbps)	Measured PPSD (dB m)		
					Core 0	Core 1	Core 0 + 1
11ac_VHT20	U-NII 2C	5 720	144	MCS0	-9.84	-10.29	-7.05
	U-NII 3				-14.87	-15.37	-12.10
11ac_VHT40	U-NII 2C	5 710	142	MCS0	-11.78	-13.02	-9.35
	U-NII 3				-17.68	-19.18	-15.36
11ac_VHT80	U-NII 2C	5 690	138	MCS0	-16.02	-16.65	-13.31
	U-NII 3				-21.32	-22.86	-19.01

Mode	Band	Frequency (MHz)	Ch.	Data Rate (Mbps)	Core 0 + Core 1 Measured PPSD (dB m)	Duty Cycle Correction Factor (dB)	Final PPSD (dB m)	Limit (dB m/1 MHz or dB m/500 kHz)
11ac_VHT20	U-NII 2C	5 720	144	MCS0	-7.05	0.31	-6.74	11
	U-NII 3				-12.10		-11.79	30
11ac_VHT40	U-NII 2C	5 710	142	MCS0	-9.35	0.61	-8.74	11
	U-NII 3				-15.36		-14.75	30
11ac_VHT80	U-NII 2C	5 690	138	MCS0	-13.31	1.16	-12.15	11
	U-NII 3				-19.01		-17.85	30

Remark;

1. According to KDB 662911 D01 v02r01, power spectral density of each port (Ant. 1+Ant. 2) was combined by using below calculation.
2. PPSP: $10 \log \{10^{(\text{Ant. 1 PSD} / 10)} + 10^{(\text{Ant. 2 PSD} / 10)}\}$
3. Final PPSP (dB m) = PPSP (dB m) + Duty Correction Factor (dB)

- Test plots

SISO_Core 0 802.11a (Band 1)

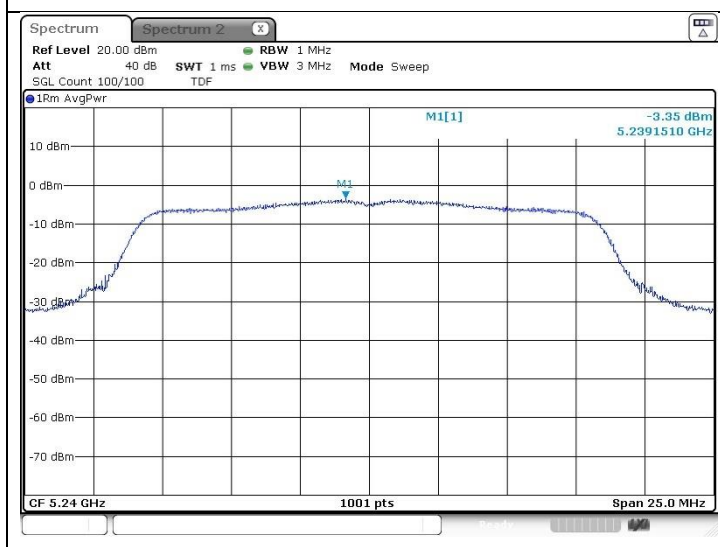
Low Channel
(5 180 MHz)



Middle Channel
(5 220 MHz)

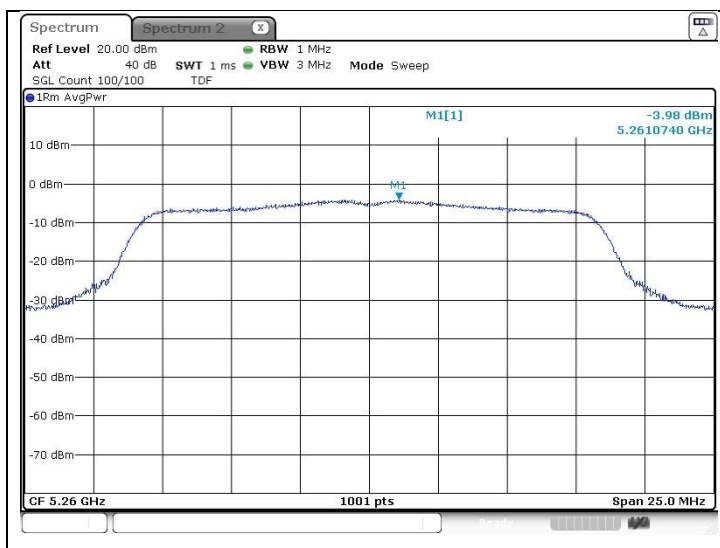


High Channel
(5 240 MHz)

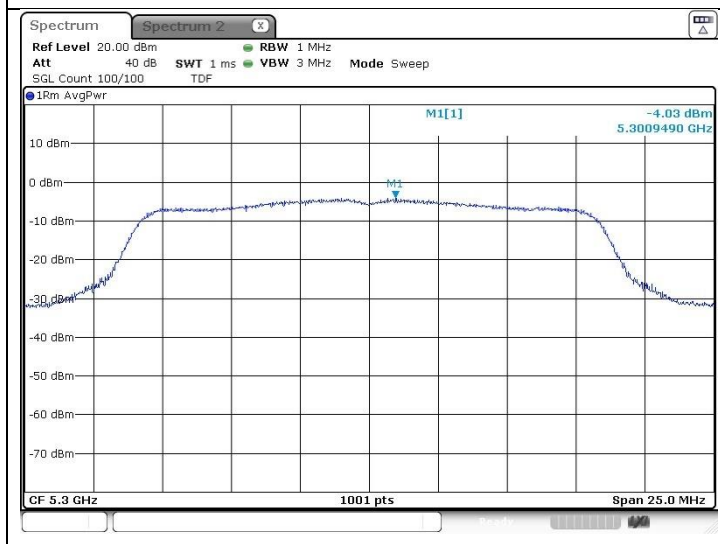


802.11a (Band 2A)

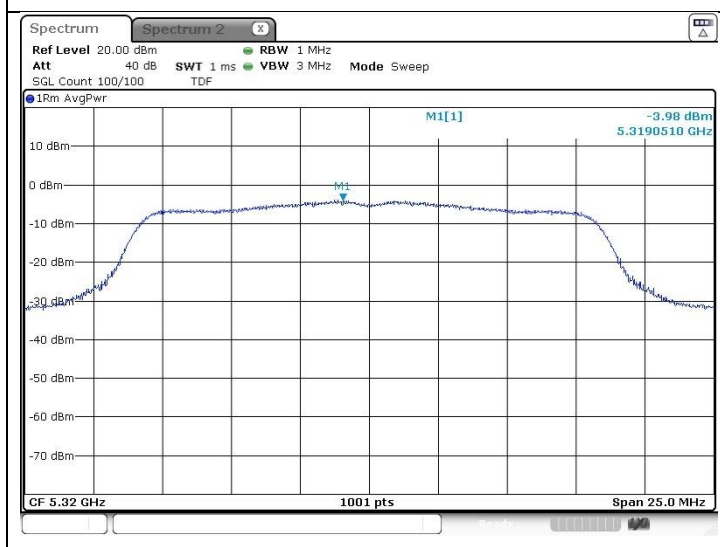
Low Channel
(5 260 MHz)



Middle Channel
(5 300 MHz)

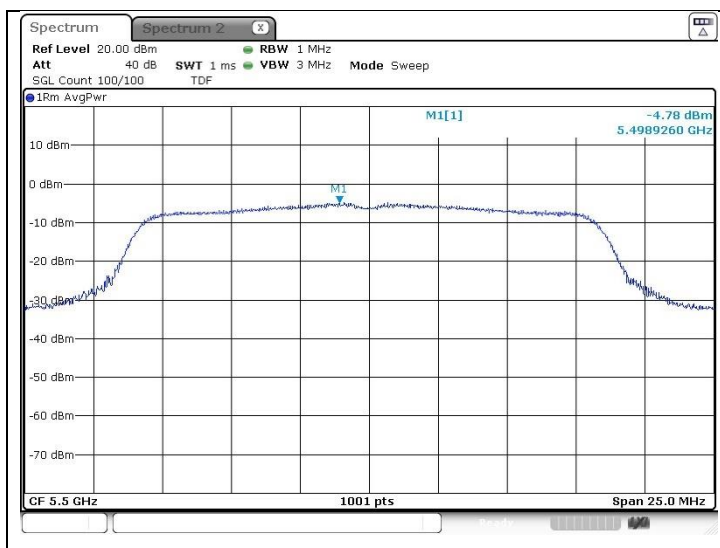


High Channel
(5 320 MHz)

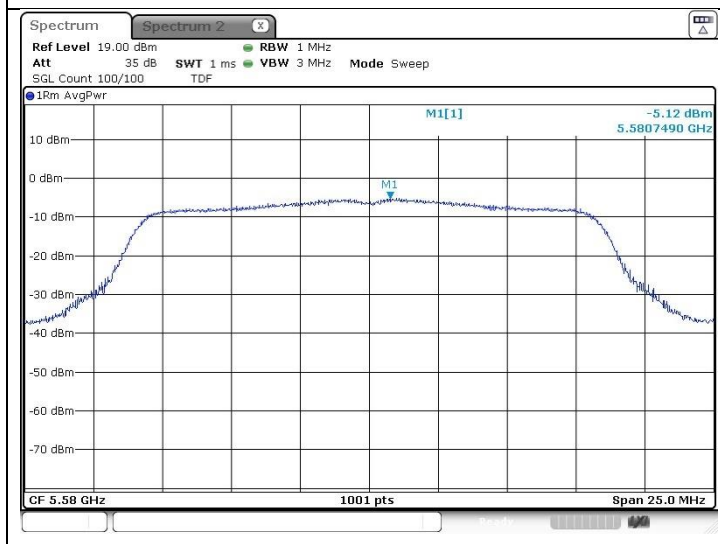


802.11a (Band 2C)

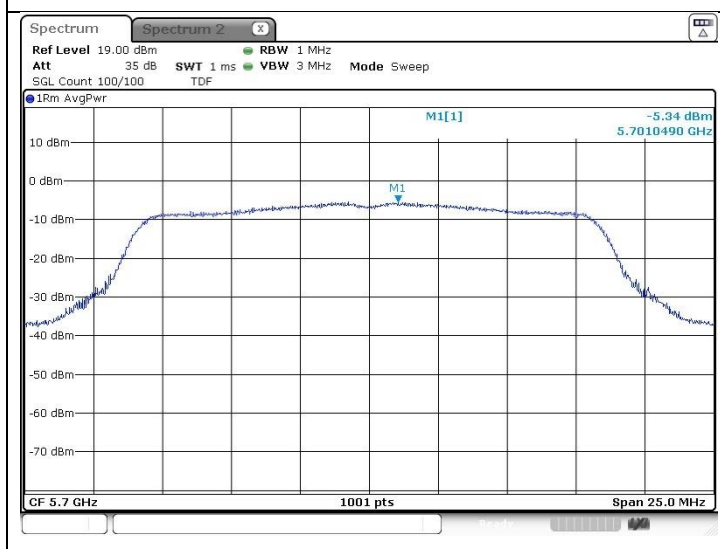
Low Channel
(5 500 MHz)



Middle Channel
(5 580 MHz)

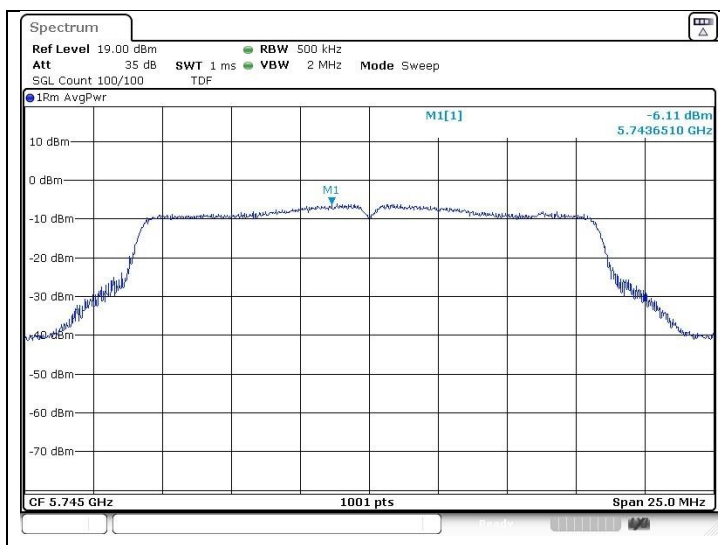


High Channel
(5 700 MHz)

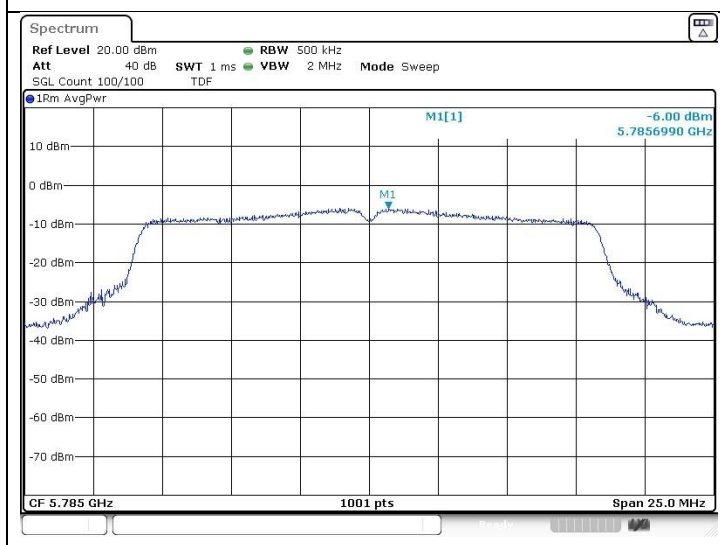


802.11a (Band 3)

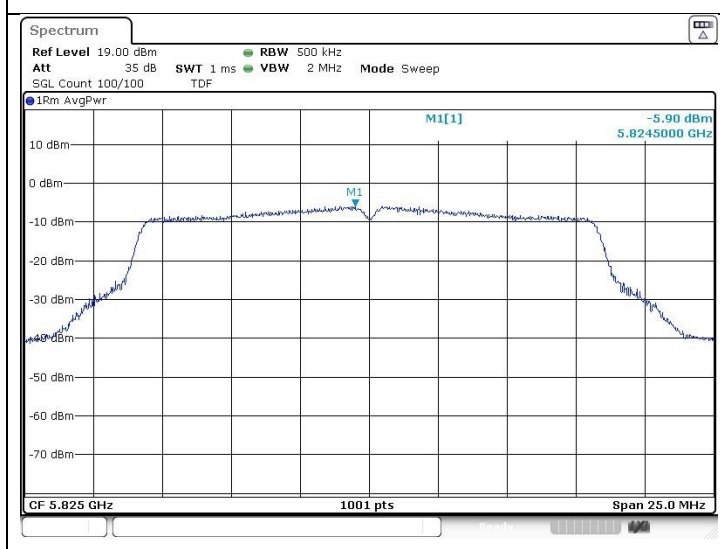
Low Channel
(5 745 MHz)



Middle Channel
(5 785 MHz)

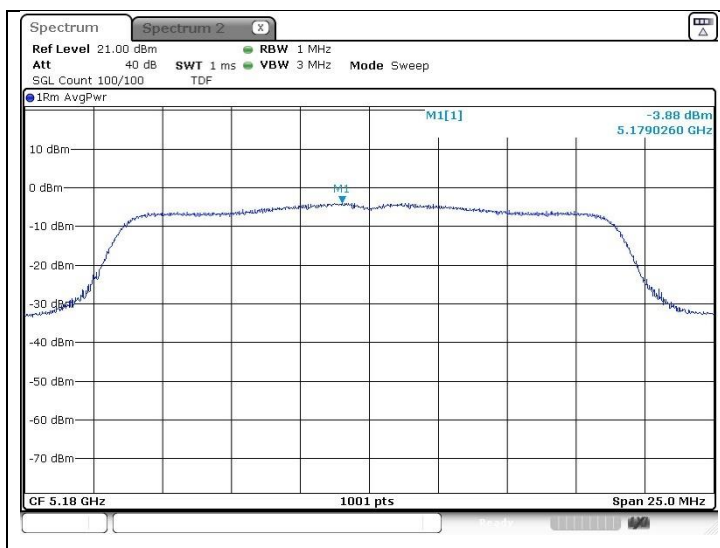


High Channel
(5 825 MHz)



802.11ac_VHT20 (Band 1)

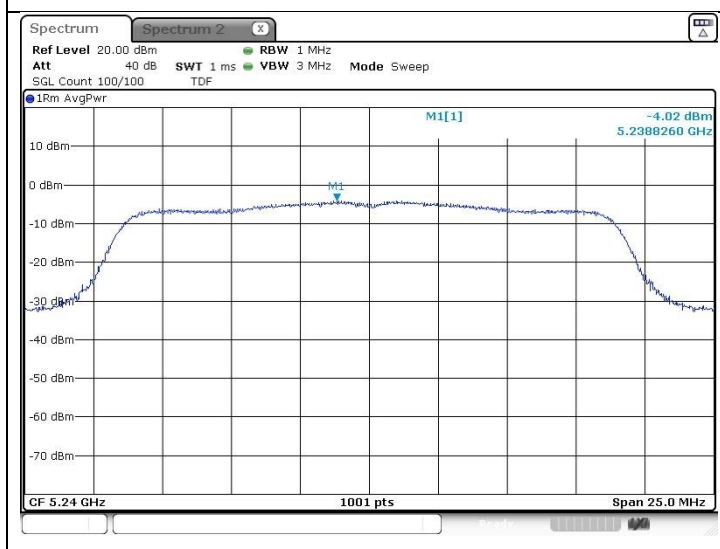
Low Channel
(5 180 MHz)



Middle Channel
(5 220 MHz)

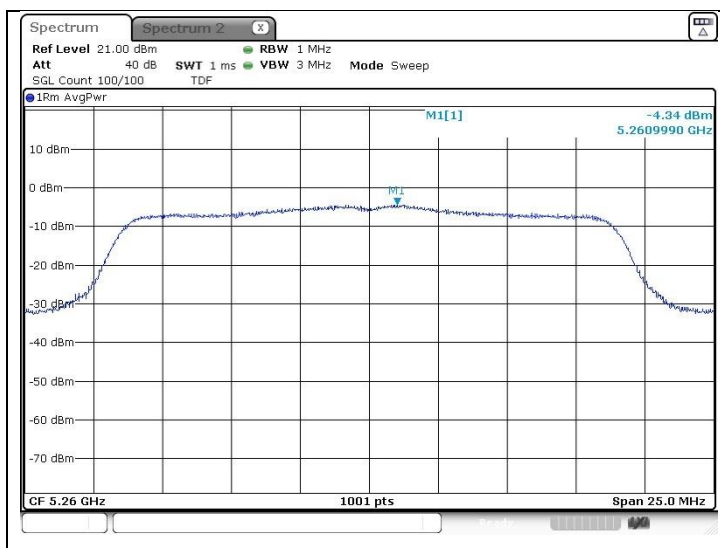


High Channel
(5 240 MHz)



802.11ac_VHT20 (Band 2A)

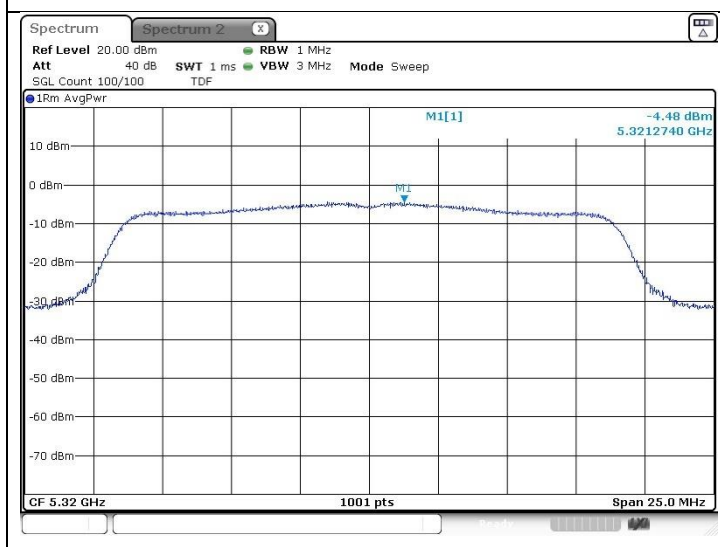
Low Channel
(5 260 MHz)



Middle Channel
(5 300 MHz)

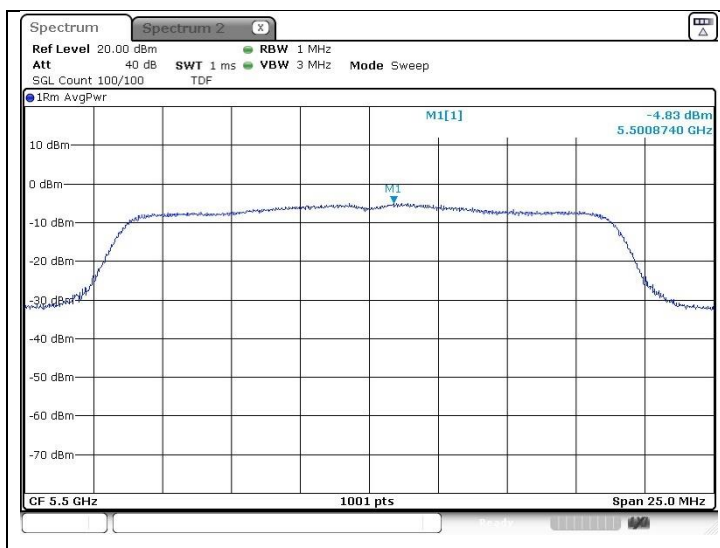


High Channel
(5 320 MHz)



802.11ac_VHT20 (Band 2C)

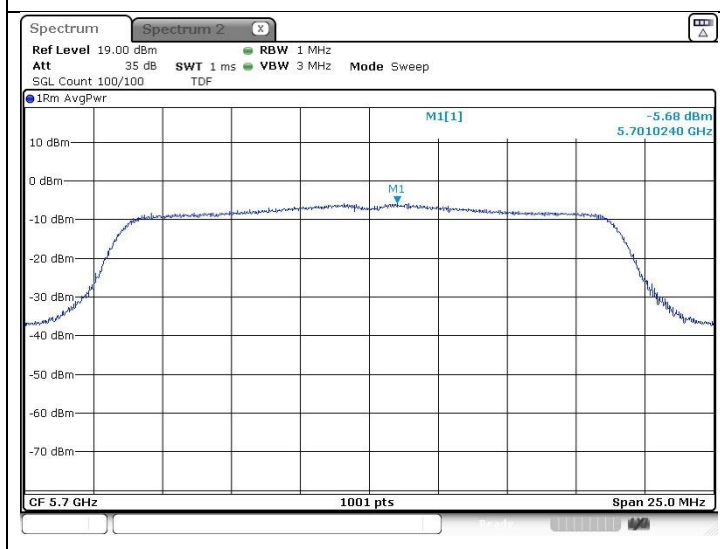
Low Channel
(5 500 MHz)



Middle Channel
(5 580 MHz)

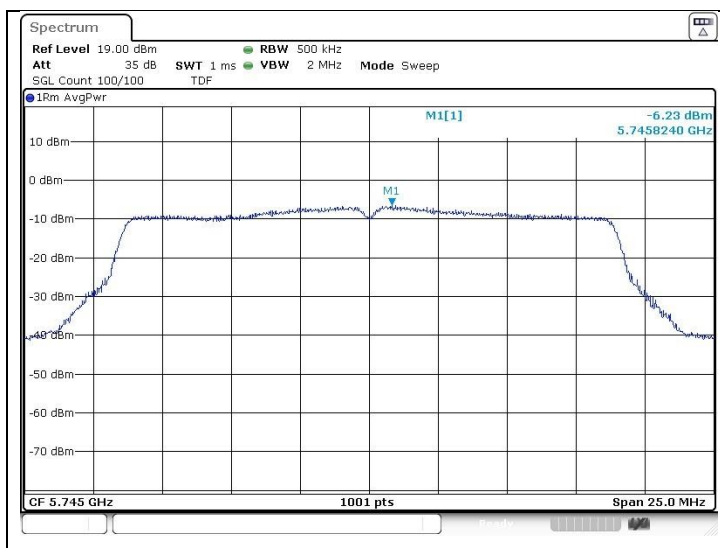


High Channel
(5 700 MHz)



802.11ac_VHT20 (Band 3)

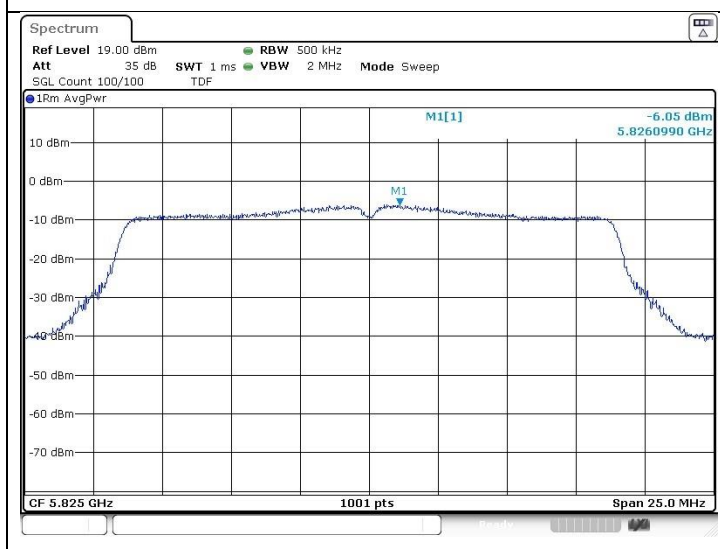
Low Channel
(5 745 MHz)



Middle Channel
(5 785 MHz)

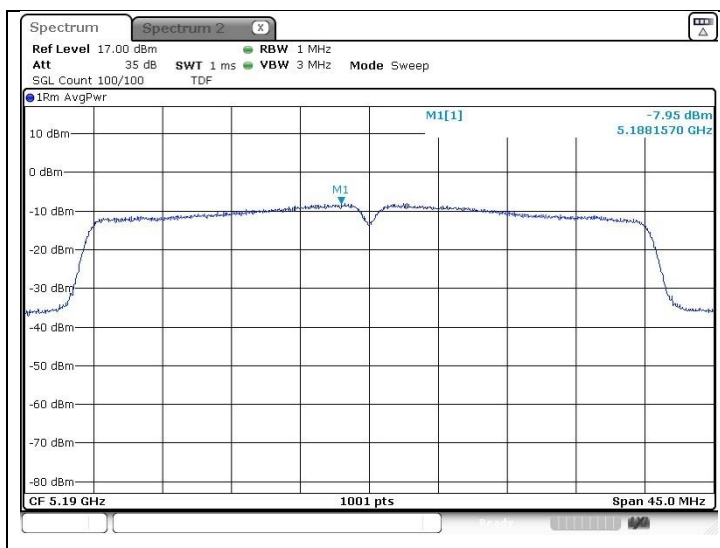


High Channel
(5 825 MHz)

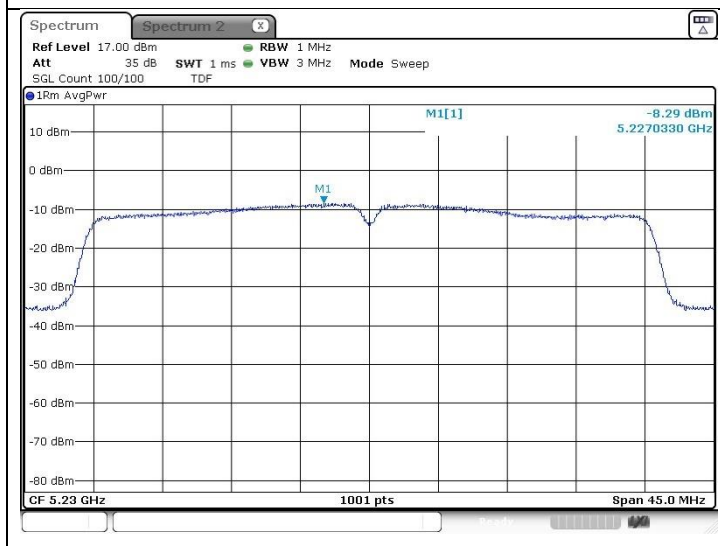


802.11n_HT40 (Band 1)

Low Channel
 (5 190 MHz)

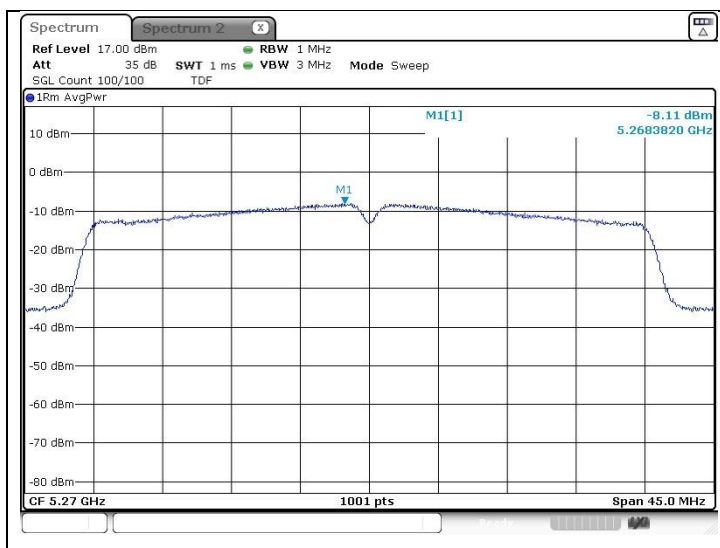


High Channel
 (5 230 MHz)

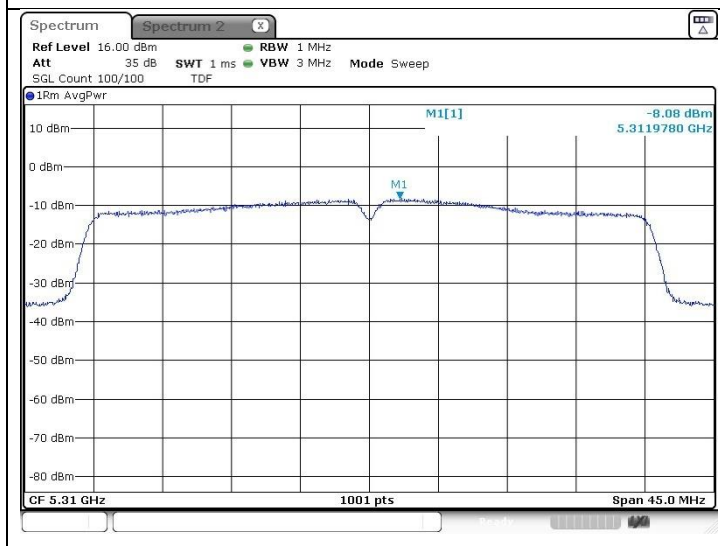


802.11n_HT40 (Band 2A)

Low Channel
 (5 270 MHz)

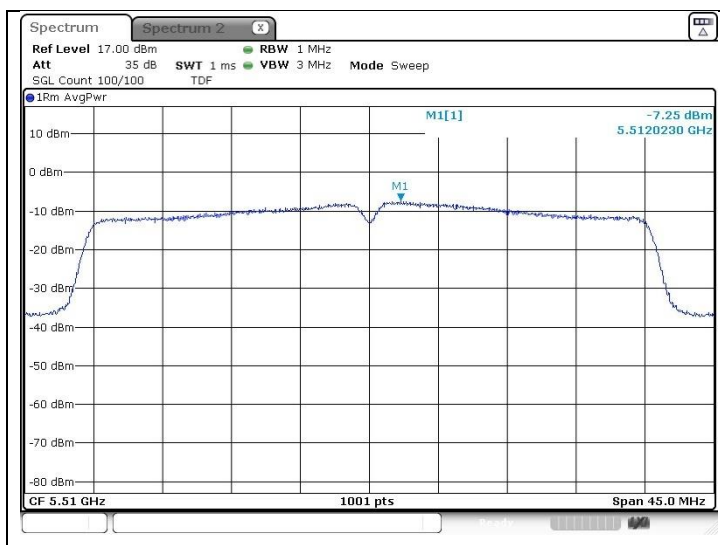


High Channel
 (5 310 MHz)

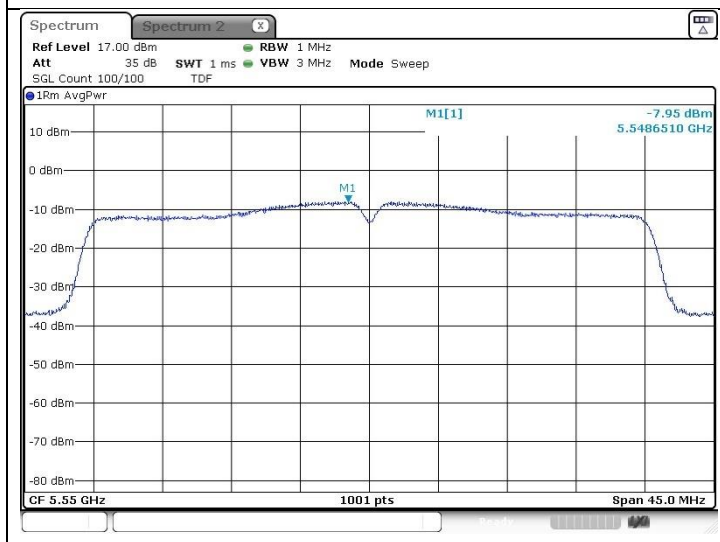


802.11n_HT40 (Band 2C)

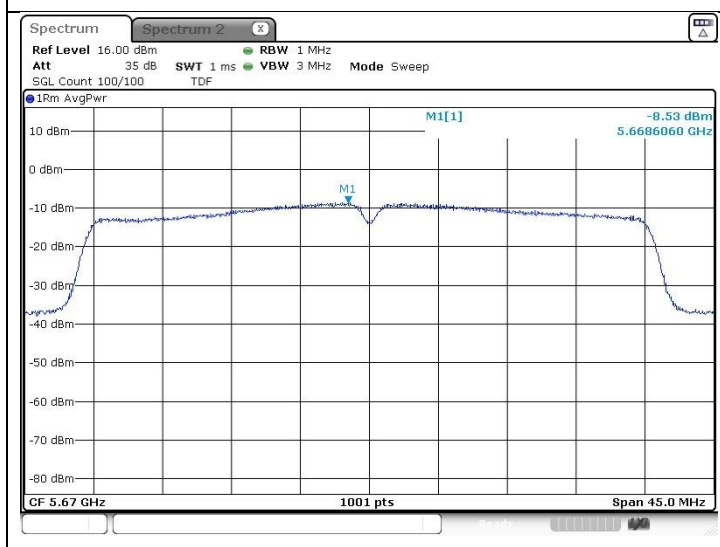
Low Channel
(5 510 MHz)



Middle Channel
(5 550 MHz)

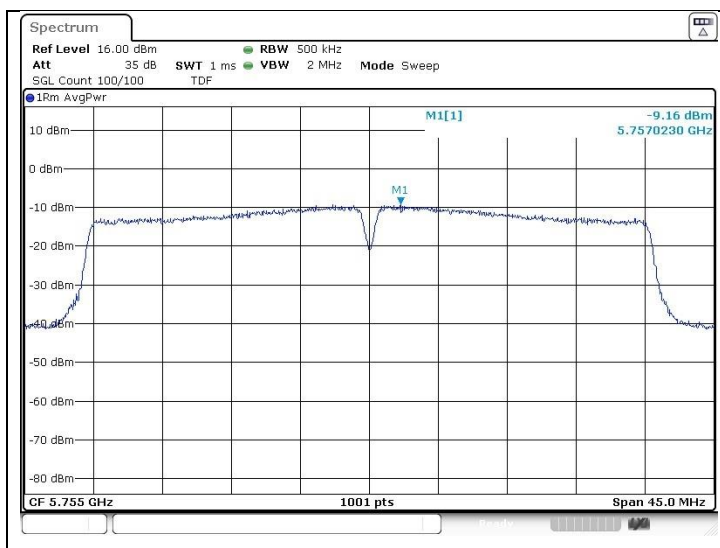


High Channel
(5 670 MHz)

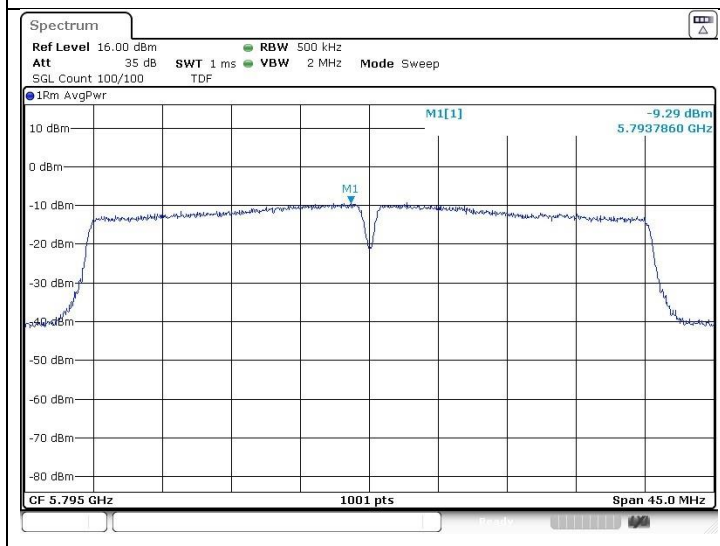


802.11n_HT40 (Band 3)

Low Channel
(5 755 MHz)

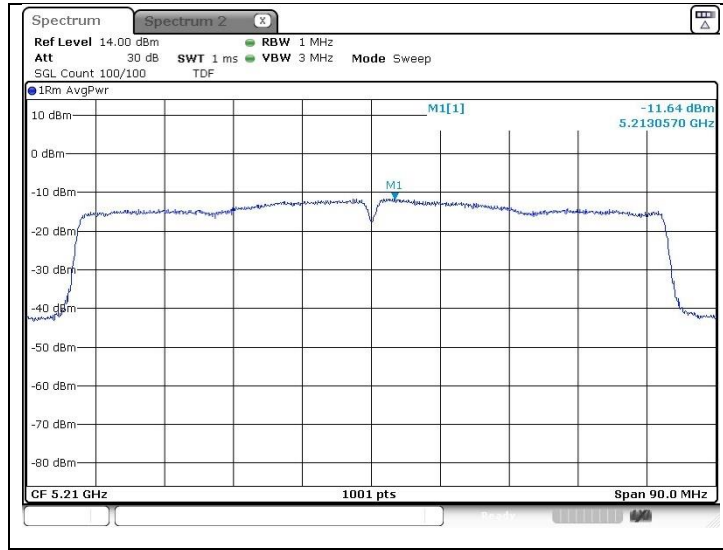


High Channel
(5 795 MHz)



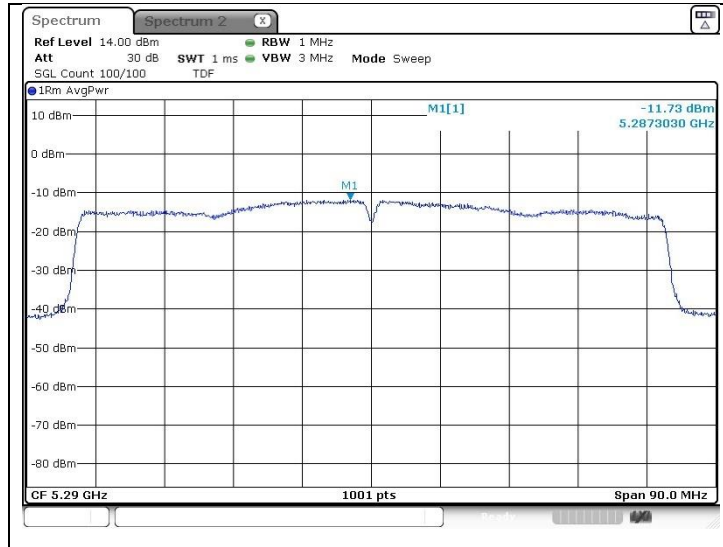
802.11ac_VHT80 (Band 1)

Middle Channel
 (5 210 MHz)



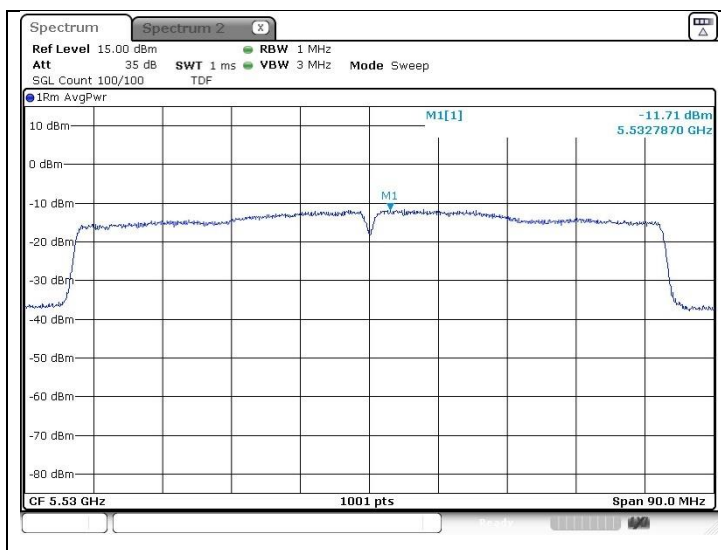
802.11ac_VHT80 (Band 2A)

Middle Channel
 (5 290 MHz)



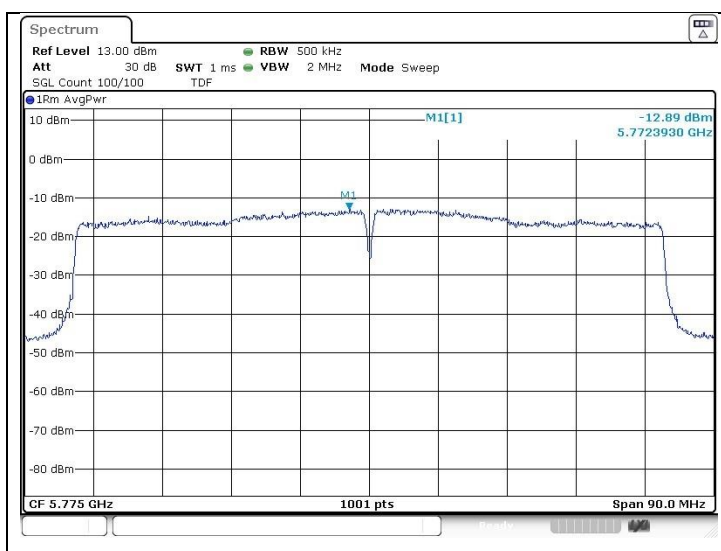
802.11ac_VHT80 (Band 2C)

Low Channel
 (5 530 MHz)



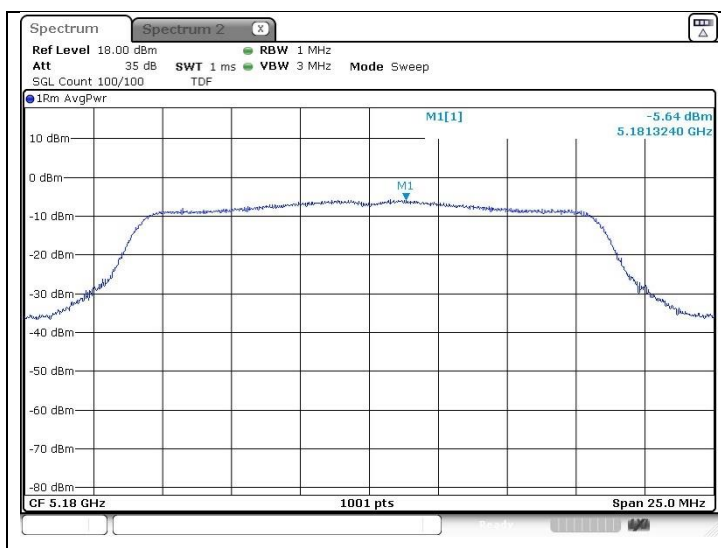
802.11ac_VHT80 (Band 3)

Middle Channel
 (5 775 MHz)

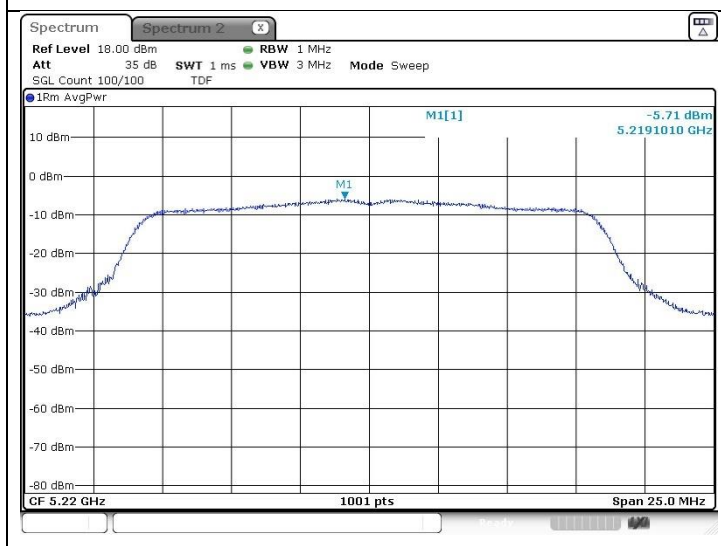


SISO_Core 1 802.11a (Band 1)

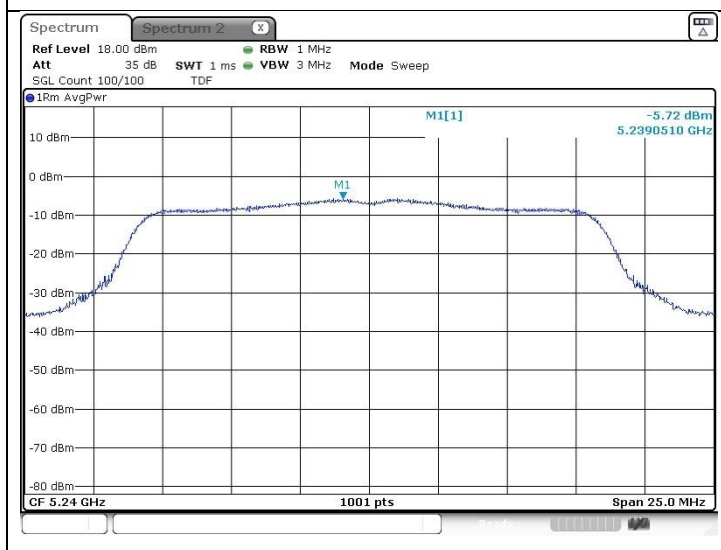
Low Channel
(5 180 MHz)



Middle Channel
(5 220 MHz)

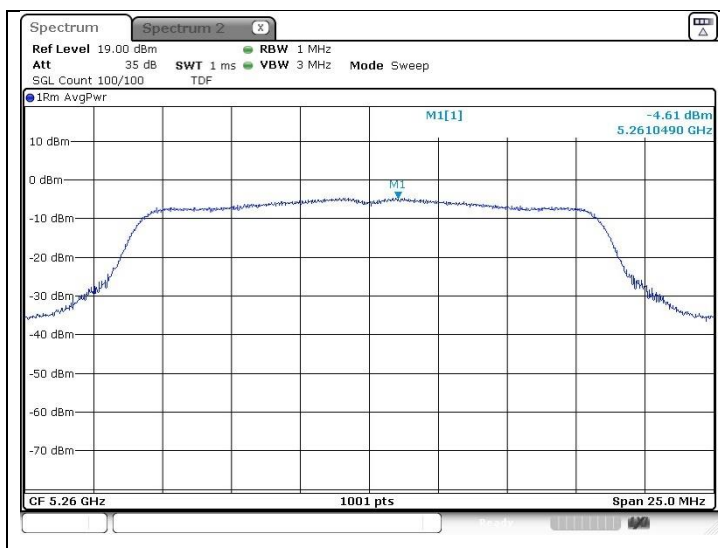


High Channel
(5 240 MHz)

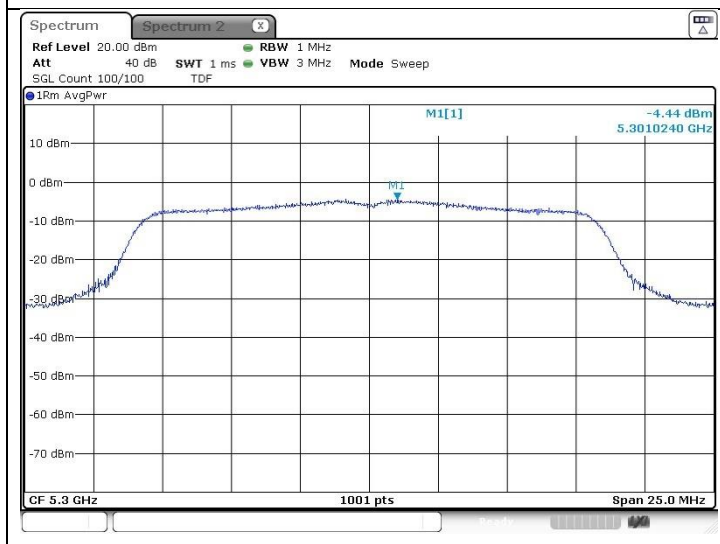


802.11a (Band 2A)

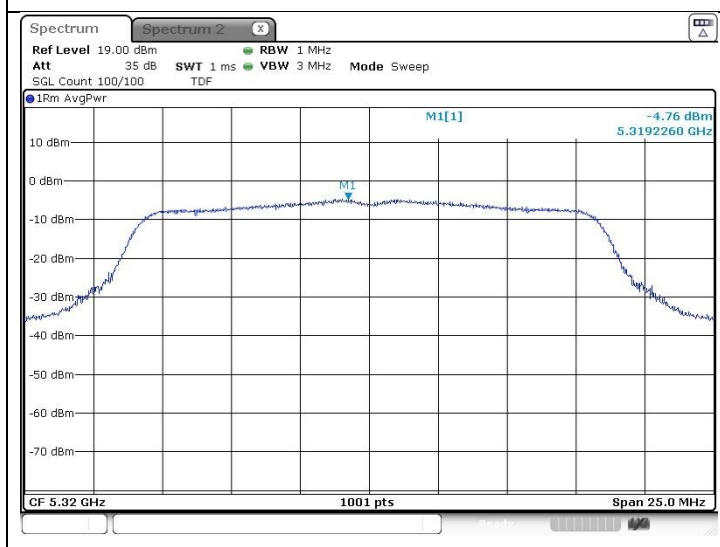
Low Channel
(5 260 MHz)



Middle Channel
(5 300 MHz)

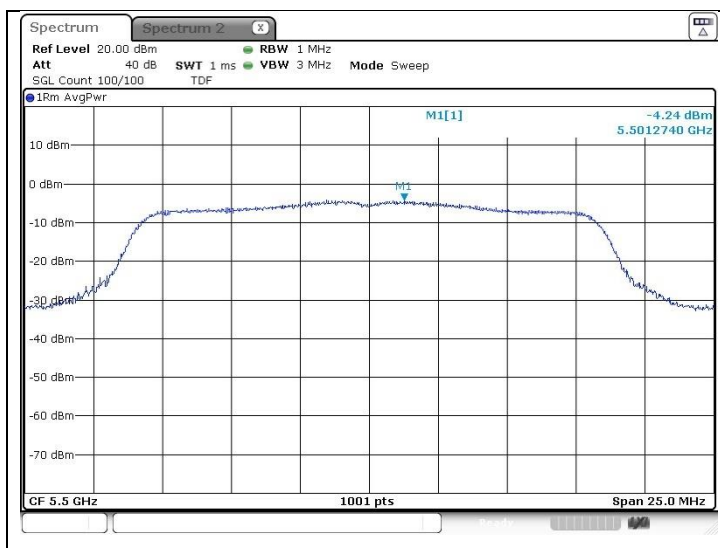


High Channel
(5 320 MHz)



802.11a (Band 2C)

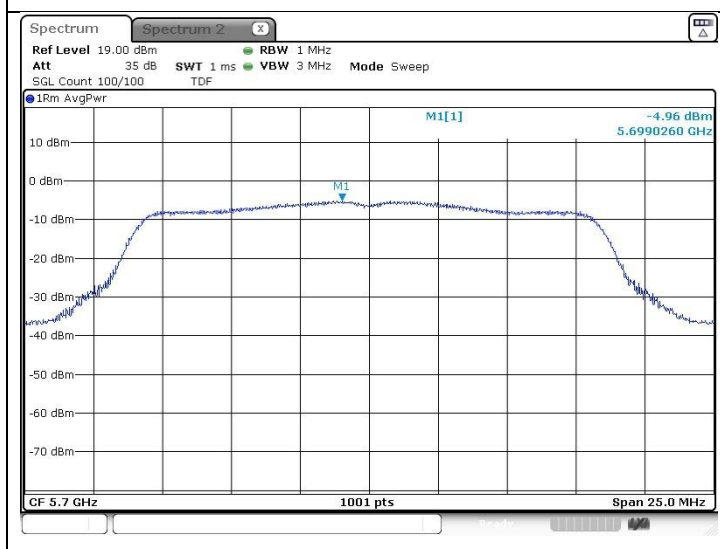
Low Channel
(5 500 MHz)



Middle Channel
(5 580 MHz)

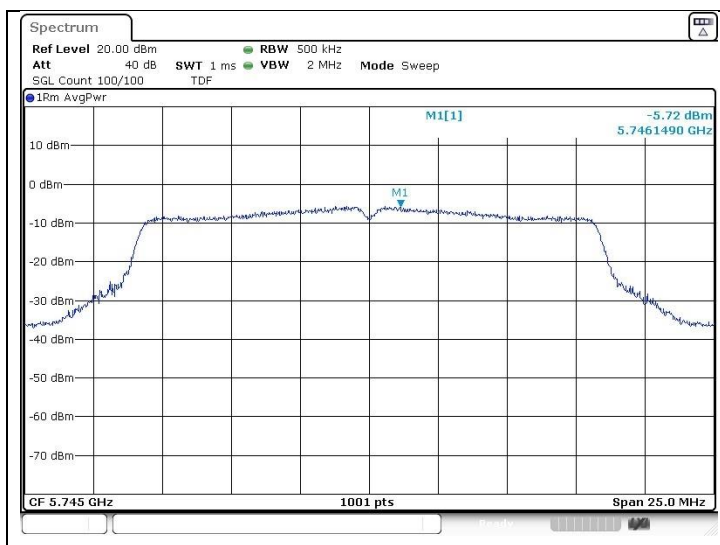


High Channel
(5 700 MHz)

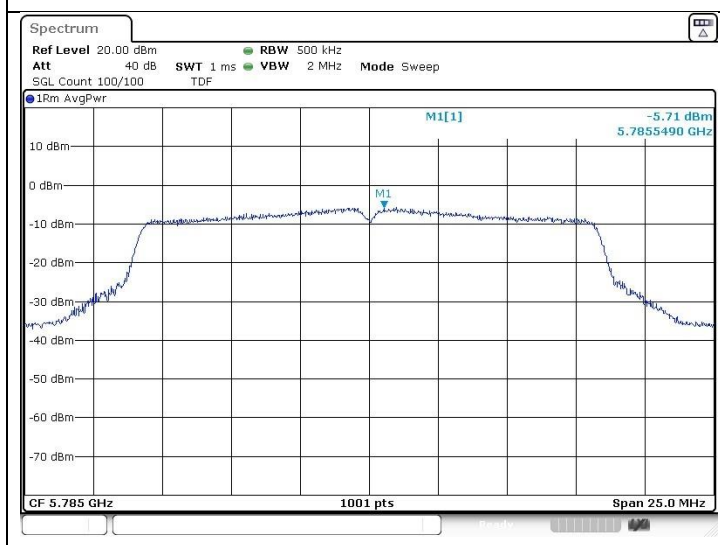


802.11a (Band 3)

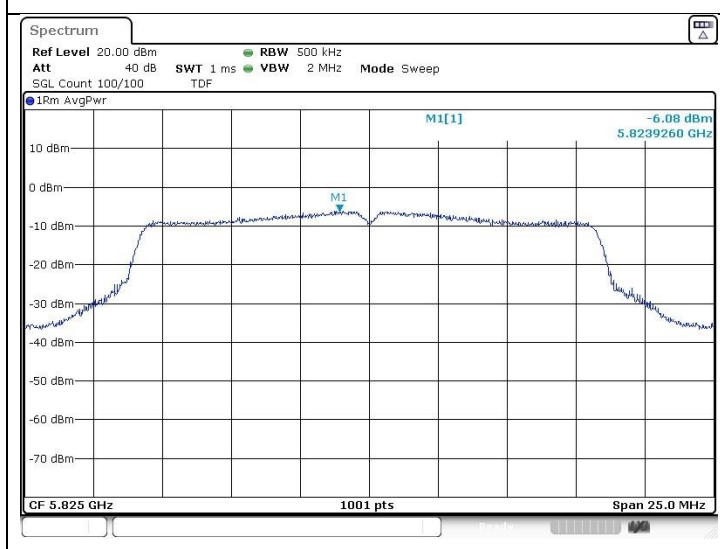
Low Channel
(5 745 MHz)



Middle Channel
(5 785 MHz)

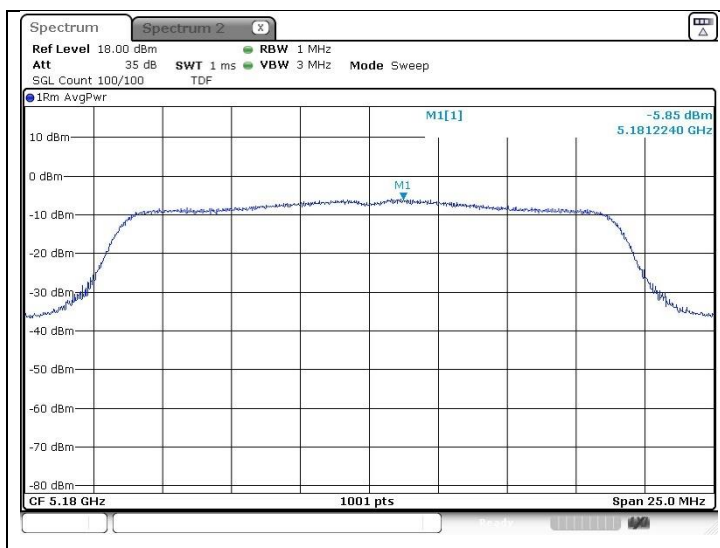


High Channel
(5 825 MHz)

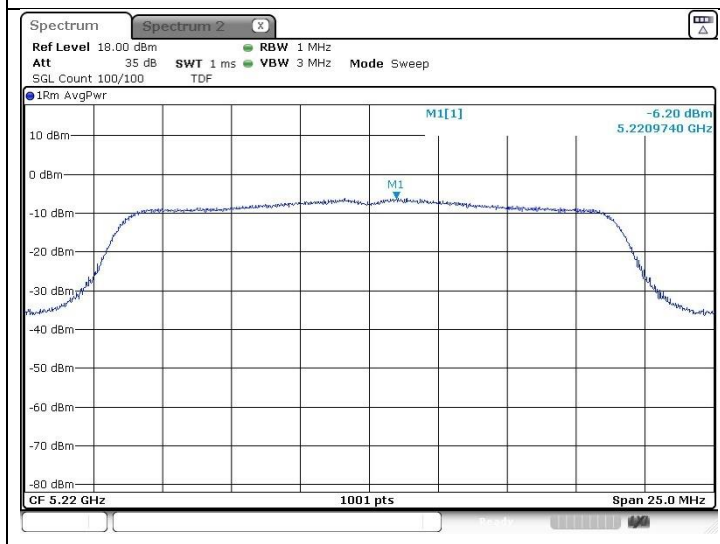


802.11ac_VHT20 (Band 1)

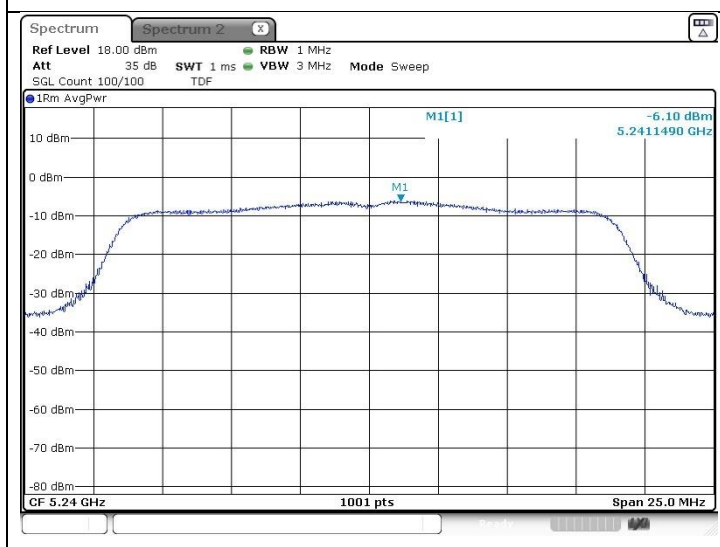
Low Channel
(5 180 MHz)



Middle Channel
(5 220 MHz)



High Channel
(5 240 MHz)



802.11ac_VHT20 (Band 2A)

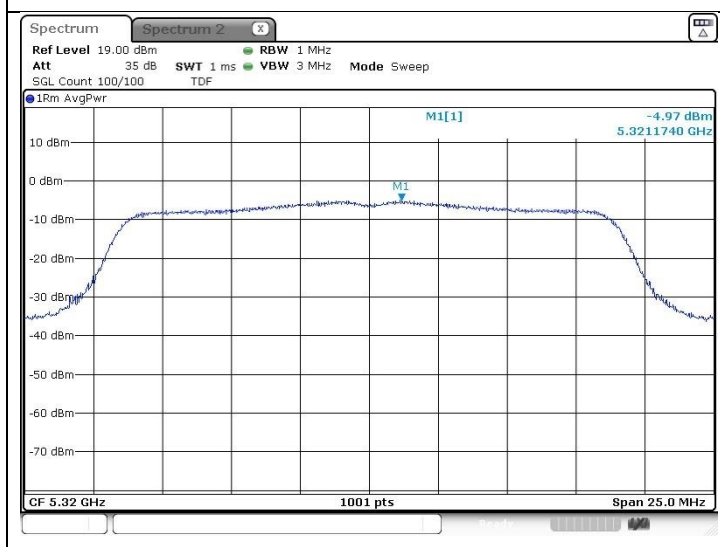
Low Channel
(5 260 MHz)



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)

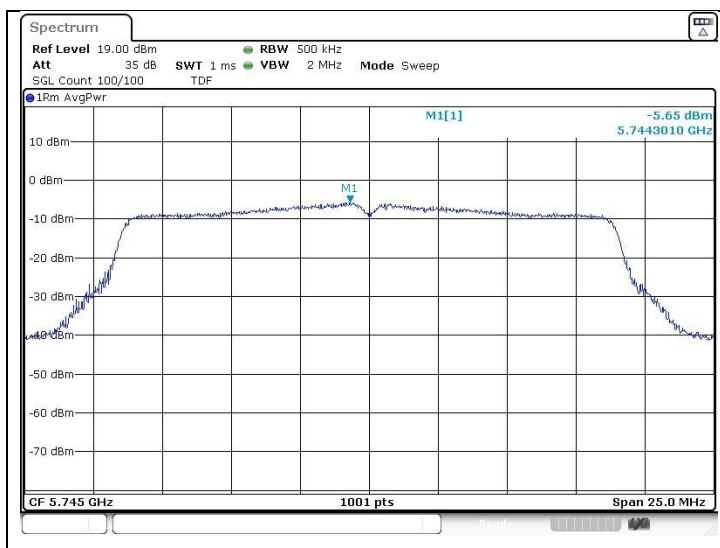


High Channel
(5 700 MHz)

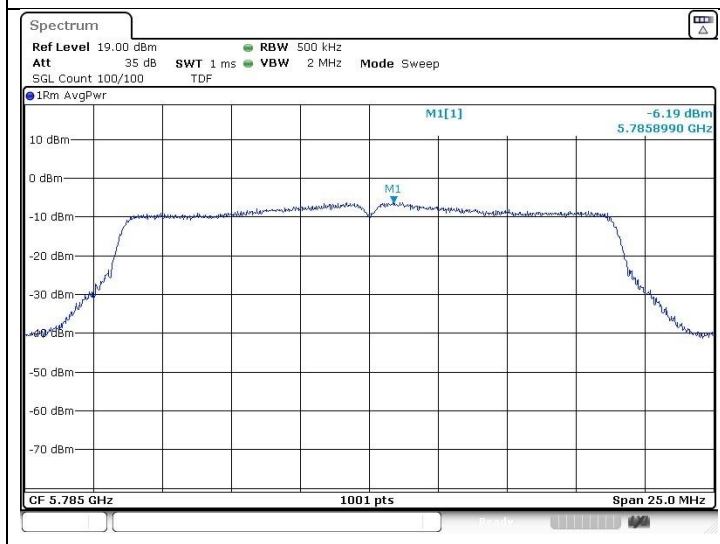


802.11ac_VHT20 (Band 3)

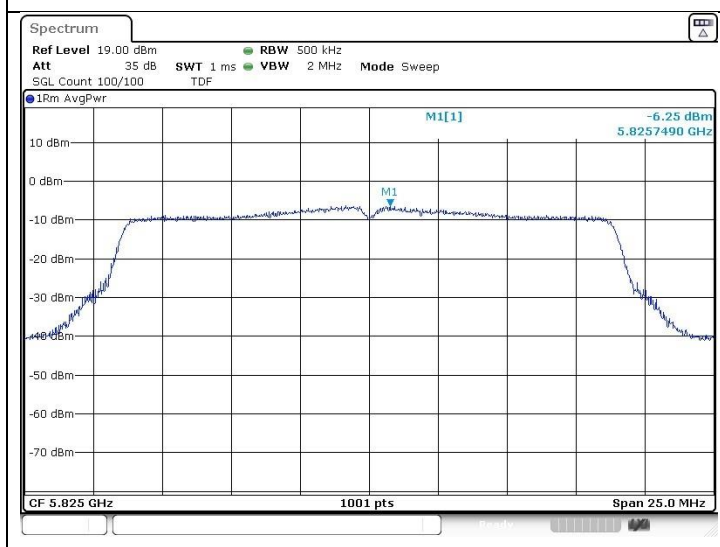
Low Channel
(5 745 MHz)



Middle Channel
(5 785 MHz)

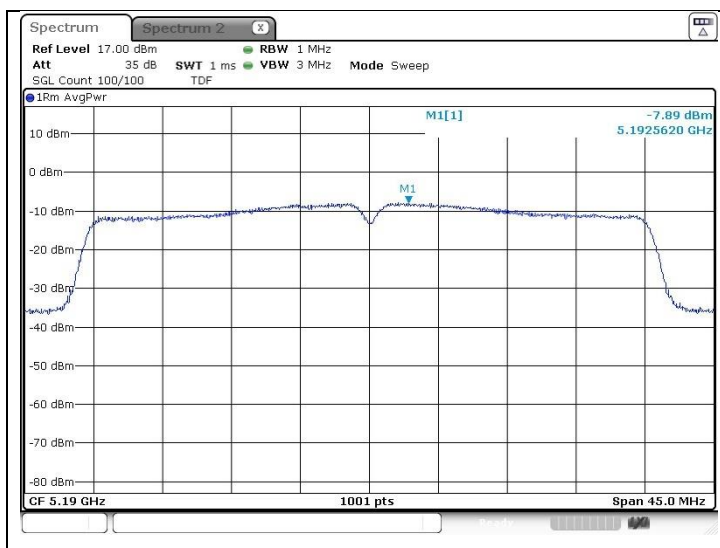


High Channel
(5 825 MHz)

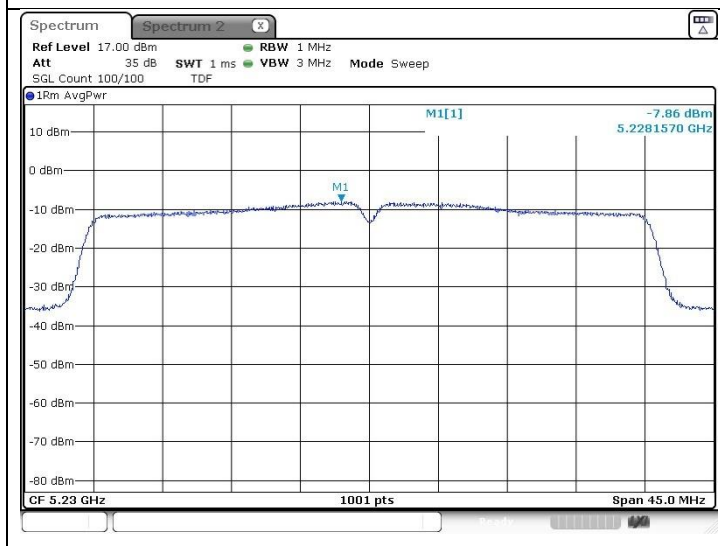


802.11n_HT40 (Band 1)

Low Channel
(5 190 MHz)

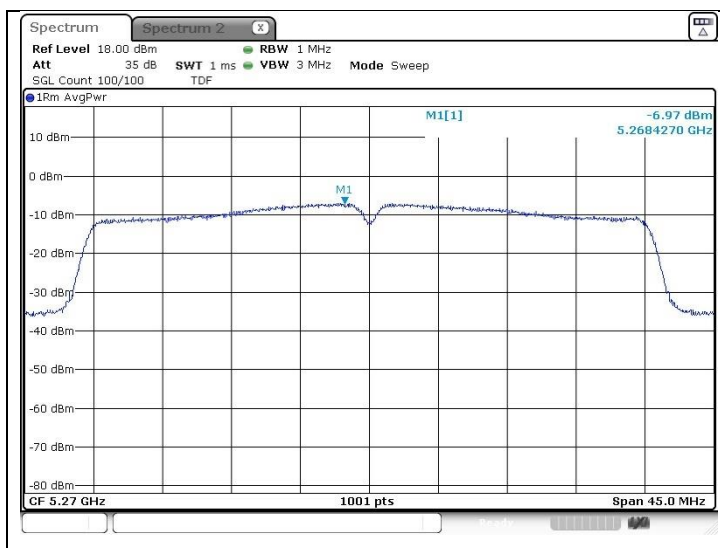


High Channel
(5 230 MHz)

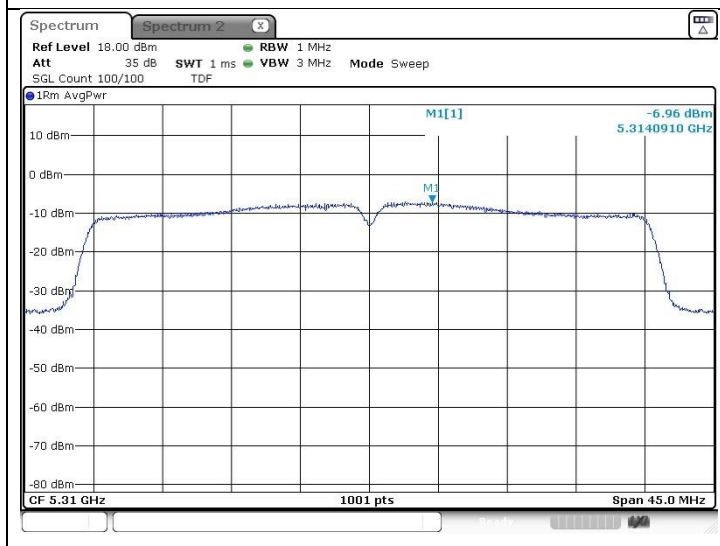


802.11n_HT40 (Band 2A)

Low Channel
(5 270 MHz)

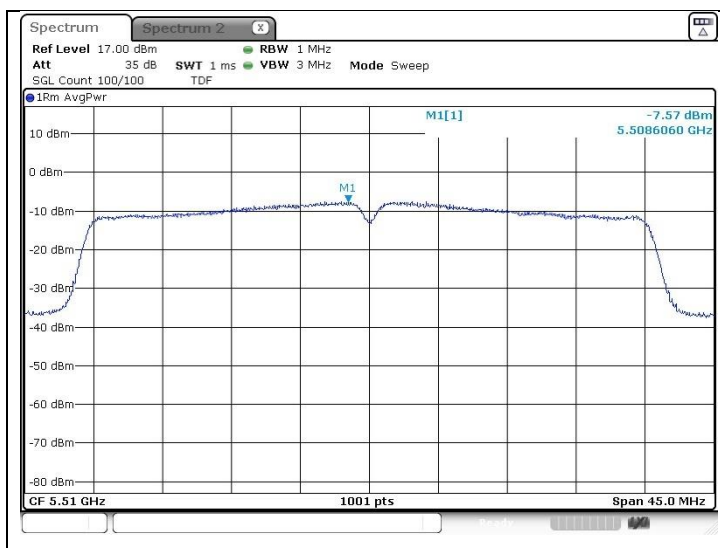


High Channel
(5 310 MHz)

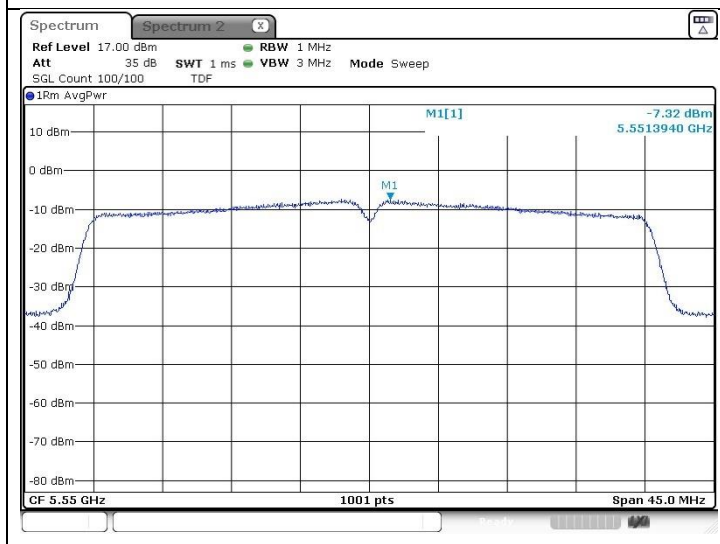


802.11n_HT40 (Band 2C)

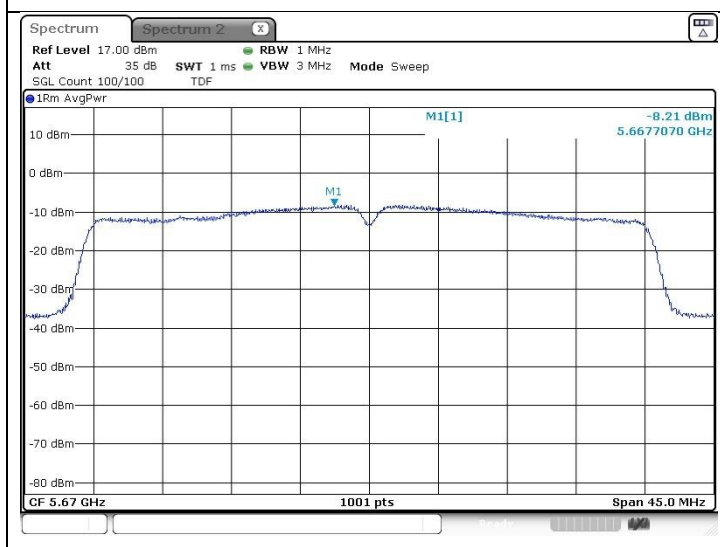
Low Channel
 (5 510 MHz)



Middle Channel
 (5 550 MHz)

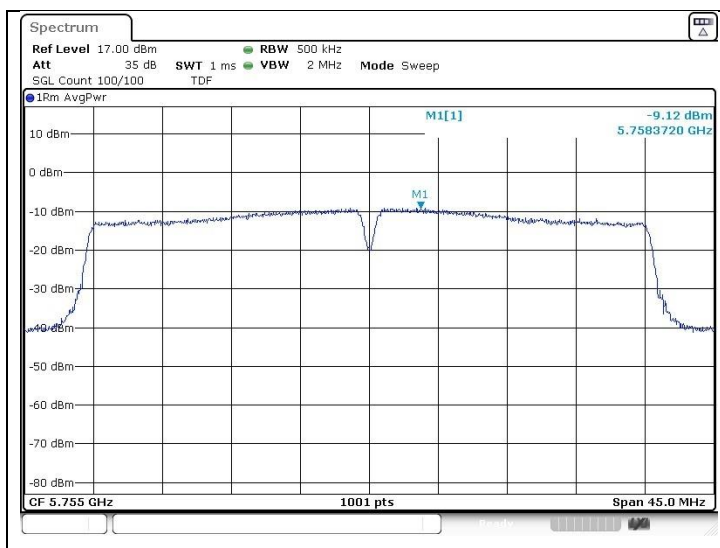


High Channel
 (5 670 MHz)

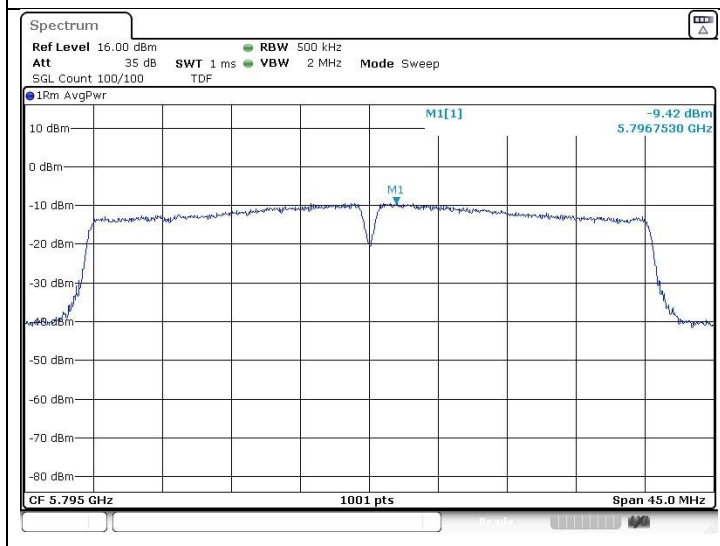


802.11n_HT40 (Band 3)

Low Channel
(5 755 MHz)

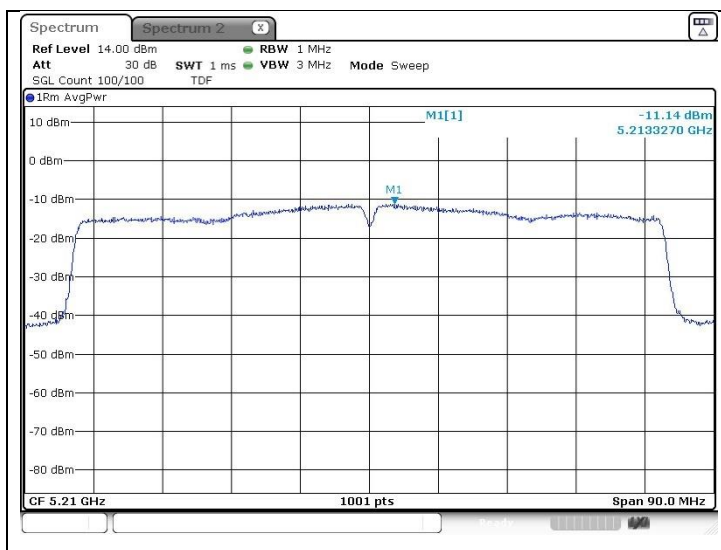


High Channel
(5 795 MHz)



802.11ac_VHT80 (Band 1)

Middle Channel
 (5 210 MHz)



802.11ac_VHT80 (Band 2A)

Middle Channel
 (5 290 MHz)

