Test mode: 11ac_VHT40

Band	Frequency (㎒)	Ch.	Data Rate (Mbps)	Core 0 Measured PPSD (㏈m)	Core 1 Measured PPSD (㏈m)	Core 0 + Core 1 PPSD (㏈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 (㎒)	Ch.	Data Rate (Mbps)	Core 0 + Core 1 PPSD (㏈m)	Duty Cycle Correction Factor (㏈)	Core 0 + Core 1 Final PPSD (㏈m)	Limit (㏈m/1 ㎒)
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	
Band	**Frequency (㎒)**	**Ch.**	**Data Rate (Mbps)**	**Core 0 + Core 1 PPSD (㏈m)**	**Duty Cycle Correction Factor (㏈)**	**Core 0 + Core 1 Final PPSD (㏈m)**	**Limit (㏈m/500 ㎑)**
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. PPSD: 10 log {10^(Ant. 1 PSD / 10)+10^(Ant. 2 PSD / 10)}
3. Final PPSD (㏈m) = PPSD (㏈m) + Duty Correction Correction Factor (㏈)

Test mode: 11ac_VHT80

Band	Frequency (㎒)	Ch.	Data Rate (Mbps)	Ant. 1 Measured PPSD (㏈ m)	Ant. 2 Measured PPSD (㏈ m)	Ant. 1+Ant. 2 PPSD (㏈ 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 (㎒)	Ch.	Data Rate (Mbps)	Core 0 + Core 1 PPSD (㏈ m)	Duty Cycle Correction Factor (㏈)	Core 0 + Core 1 Final PPSD (㏈ m)	Limit (㏈ m/1 ㎒)
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 (㎒)**	**Ch.**	**Data Rate (Mbps)**	**Ant. 1+Ant. 2 PPSD (㏈ m)**	**Duty Cycle Correction Factor (㏈)**	**Ant. 1+Ant. 2 Final PPSD (㏈ m)**	**Limit (㏈ m/500 ㎑)**
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. PPSD: 10 log {10^(Ant. 1 PSD / 10)+10^(Ant. 2 PSD / 10)}
3. Final PPSD (㏈ m) = PPSD (㏈ m) + Duty Correction Correction Factor (㏈)

Band-crossing channels

Mode	Band	Frequency (㎒)	Ch.	Data Rate (Mbps)	Measured PPSD (㏈ 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 (㎒)	Ch.	Data Rate (Mbps)	Core 0 + Core 1 Measured PPSD (㏈ m)	Duty Cycle Correction Factor (㏈)	Final PPSD (㏈ m)	Limit (㏈ m/1 ㎒ or ㏈ m/500 ㎑)
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;

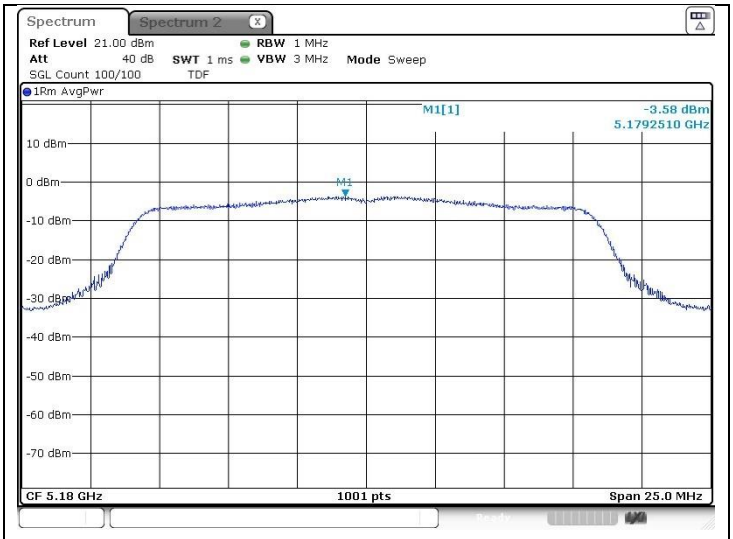
1. According to KDB 662911 D01 v02r01, power spectral density of each port (Ant. 1+Ant. 2) was combined by using below calculation.
2. PPSD: 10 log {10^(Ant. 1 PSD / 10)+10^(Ant. 2 PSD / 10)}
3. Final PPSD (㏈ m) = PPSD (㏈ m) + Duty Correction Correction Factor (㏈)

- Test plots

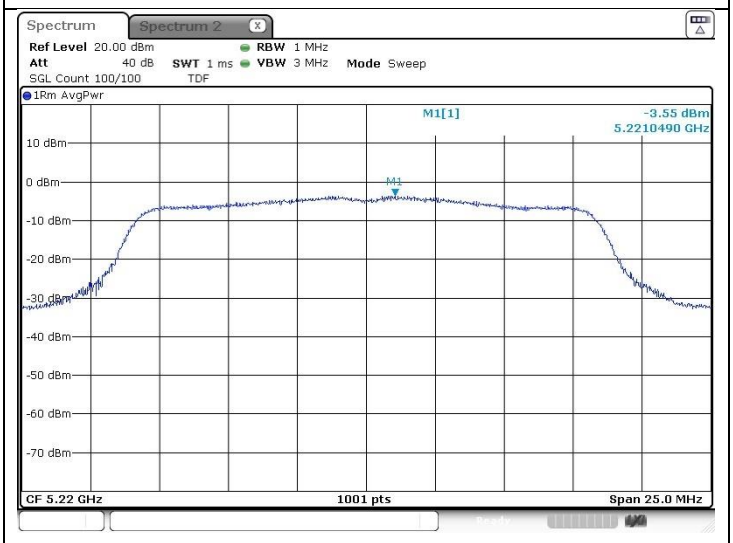
SISO_Core 0

802.11a (Band 1)

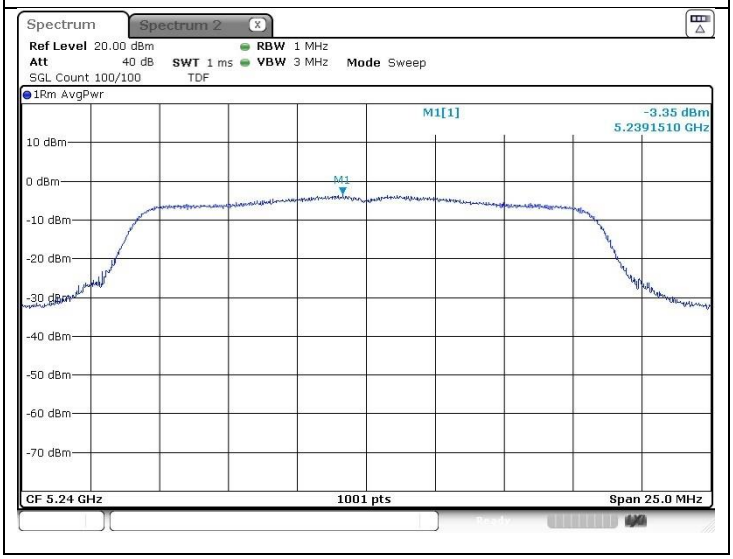
Low Channel
(5 180 ㎒)



Middle Channel
(5 220 ㎒)

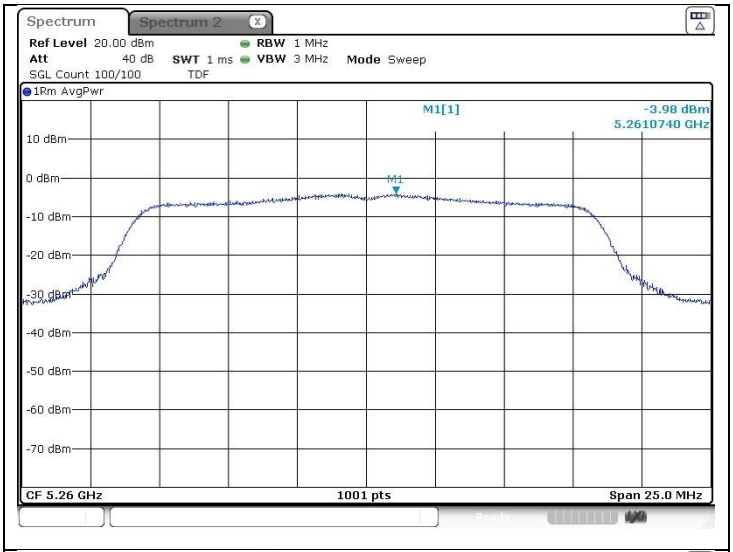


High Channel
(5 240 ㎒)

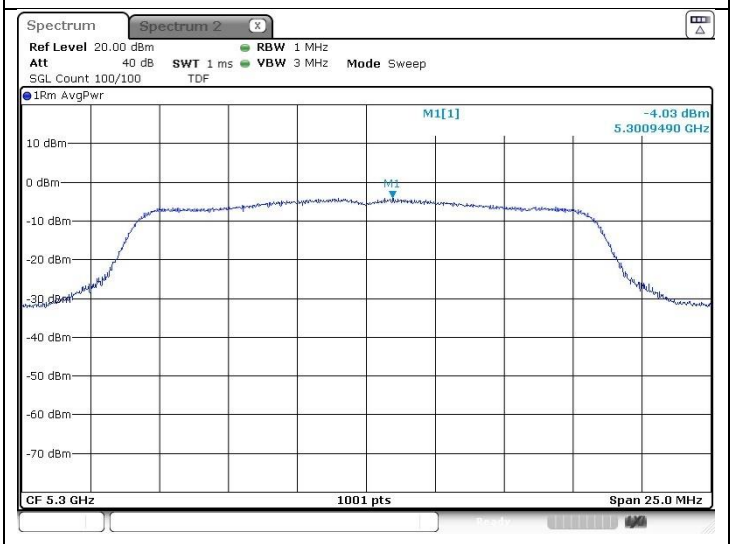


802.11a (Band 2A)

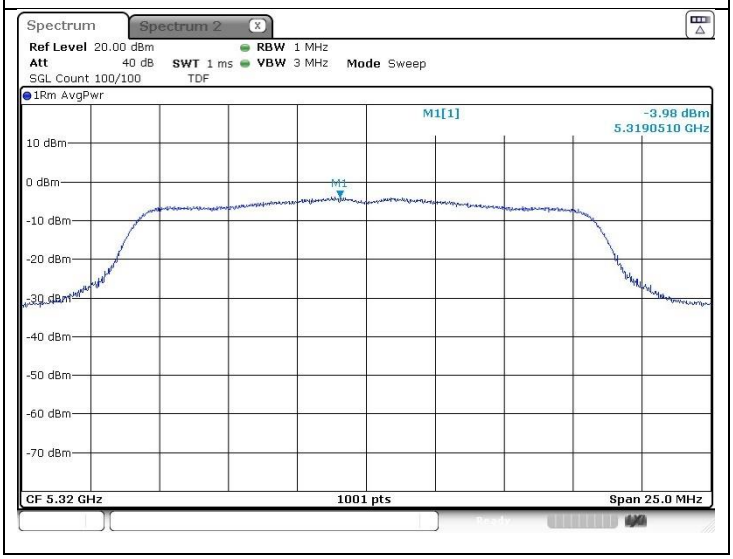
Low Channel
(5 260 ㎒)



Middle Channel
(5 300 ㎒)

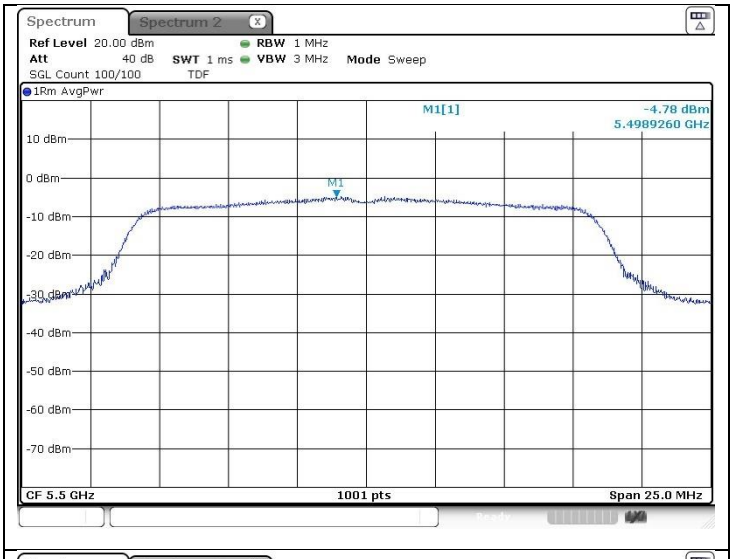


High Channel
(5 320 ㎒)

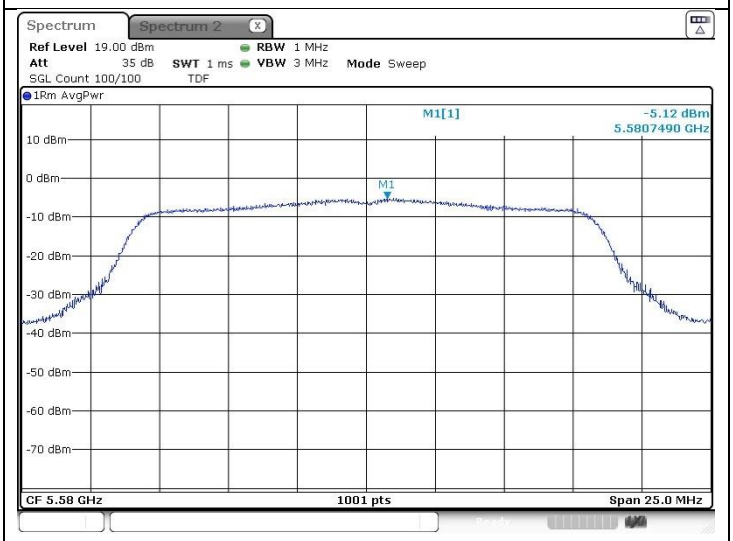


802.11a (Band 2C)

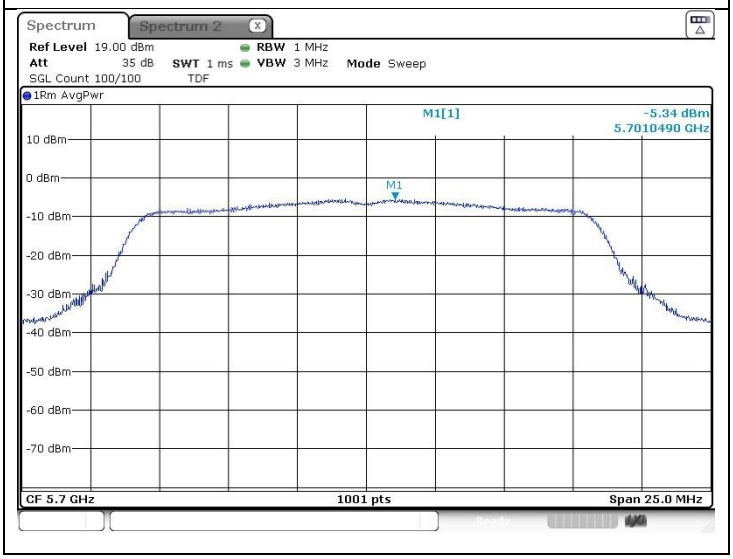
Low Channel
(5 500 ㎒)



Middle Channel
(5 580 ㎒)

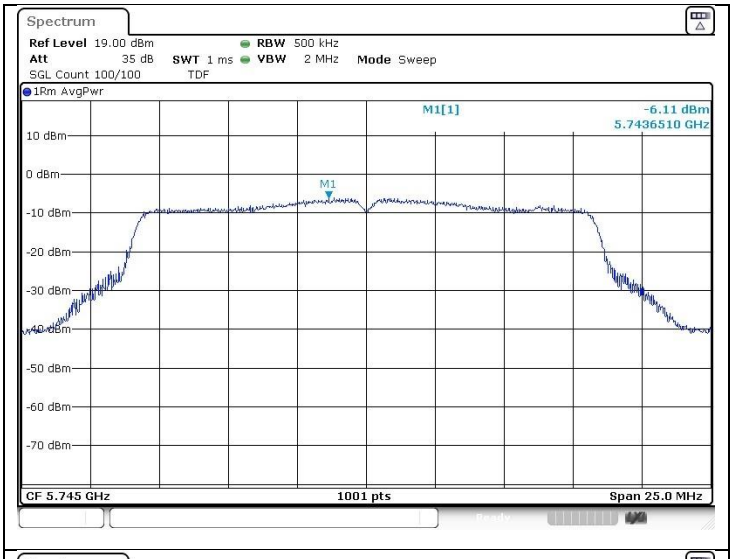


High Channel
(5 700 ㎒)

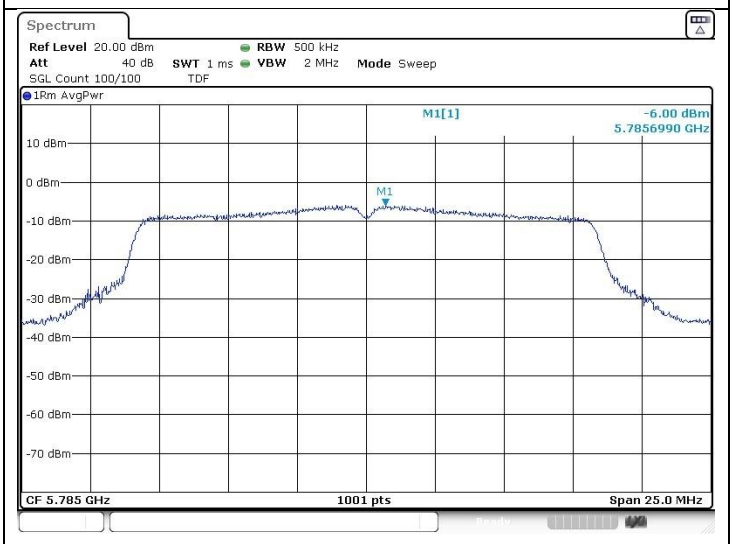


802.11a (Band 3)

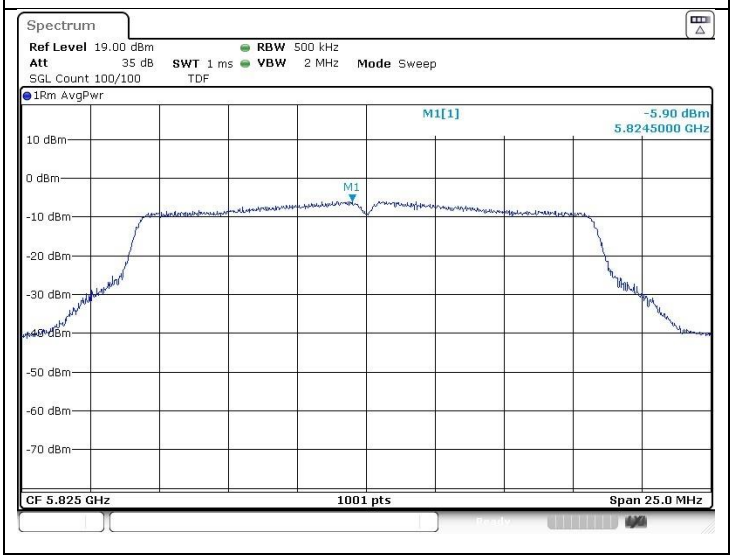
Low Channel
(5 745 ㎒)



Middle Channel
(5 785 ㎒)



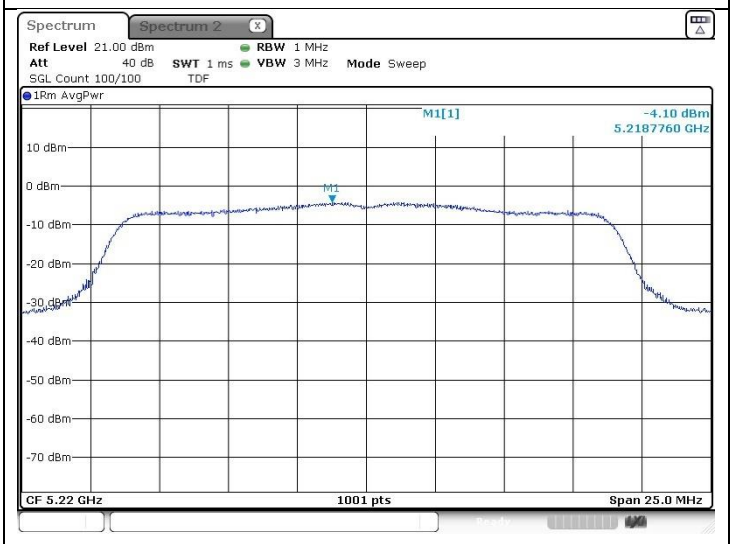
High Channel
(5 825 ㎒)



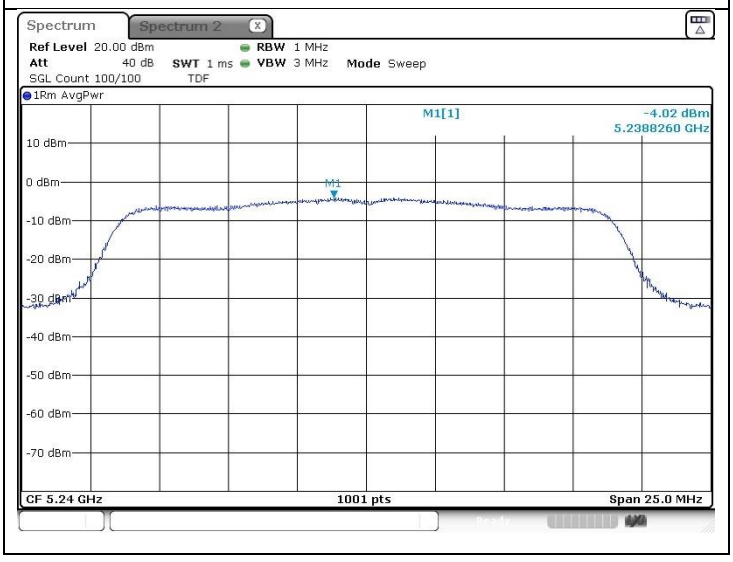
802.11ac_VHT20 (Band 1)

Low Channel
(5 180 ㎒)

Middle Channel
(5 220 ㎒)

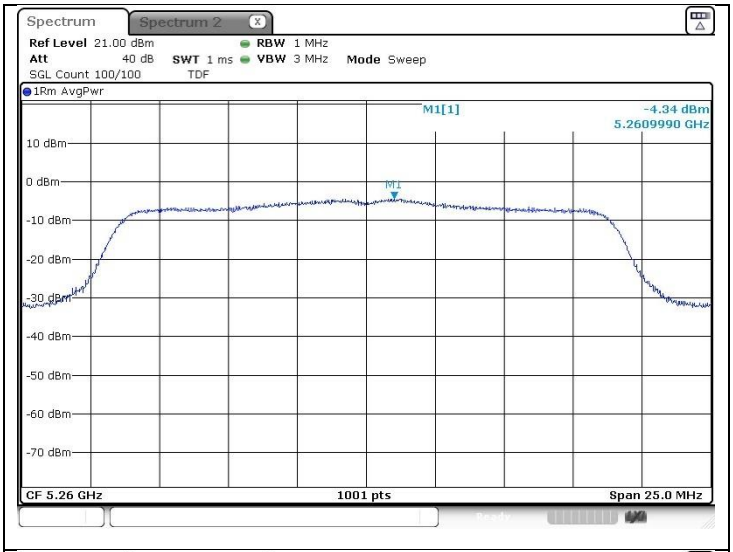


High Channel
(5 240 ㎒)



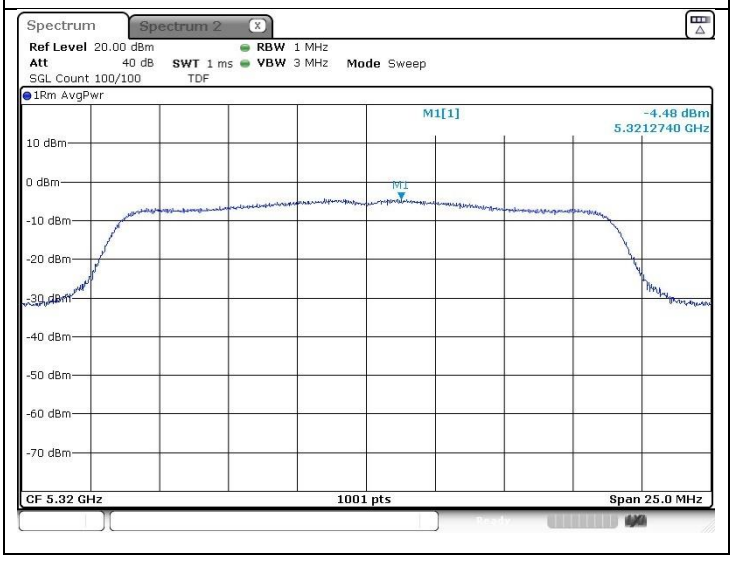
802.11ac_VHT20 (Band 2A)

Low Channel
(5 260 ㎒)



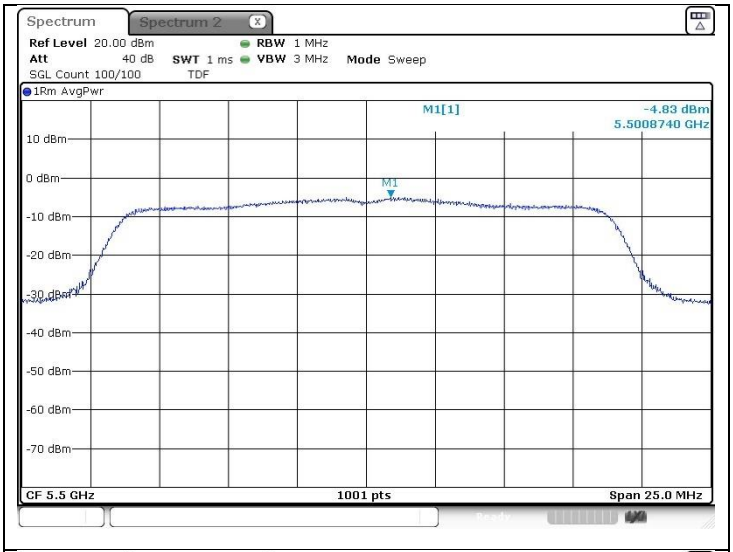
Middle Channel
(5 300 ㎒)

High Channel
(5 320 ㎒)



802.11ac_VHT20 (Band 2C)

Low Channel
(5 500 ㎒)

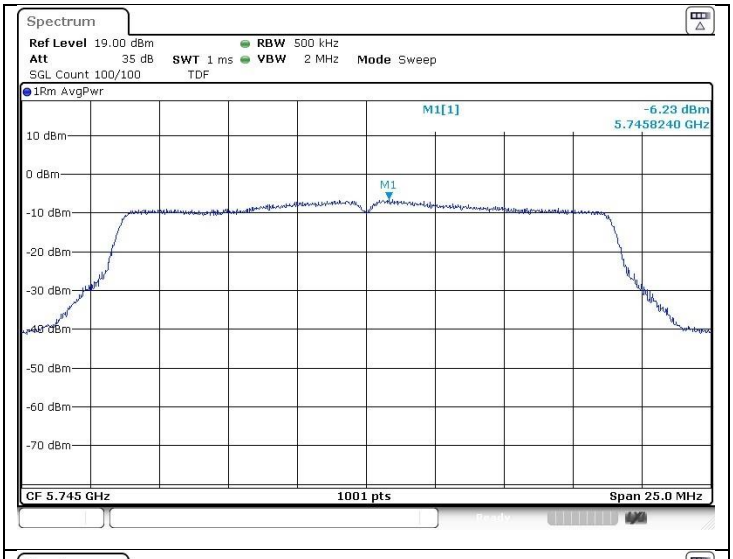


Middle Channel
(5 580 ㎒)

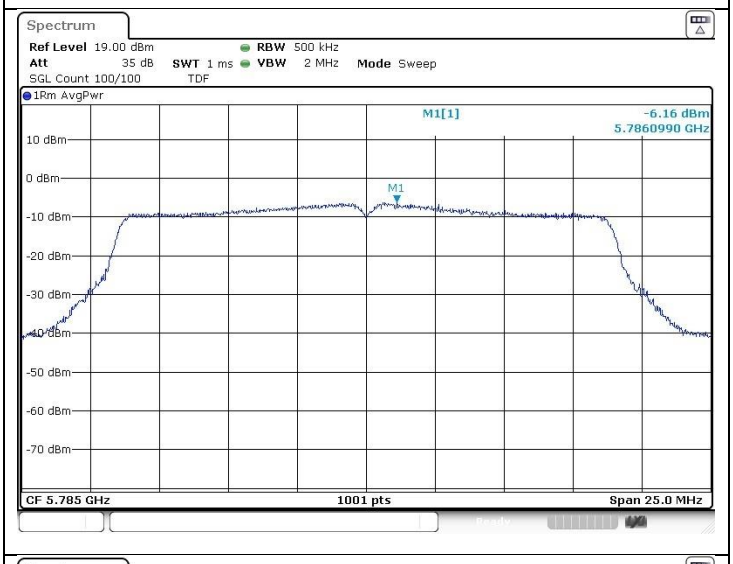
High Channel
(5 700 ㎒)

802.11ac_VHT20 (Band 3)

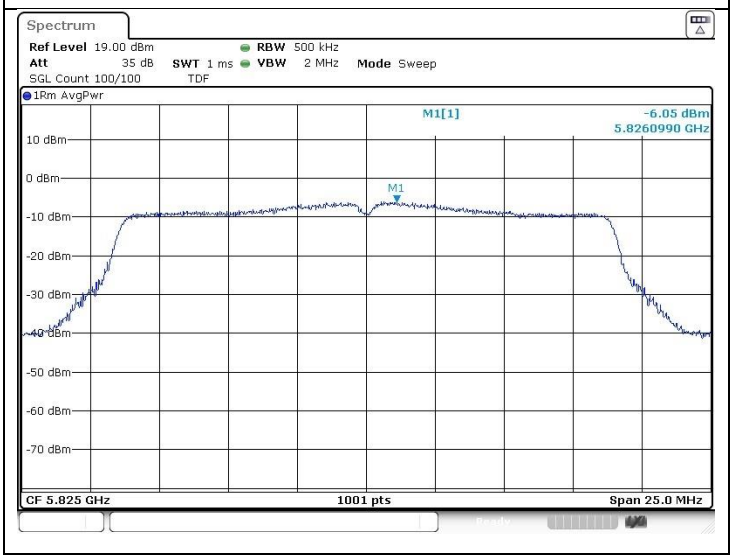
Low Channel
(5 745 ㎒)



Middle Channel
(5 785 ㎒)

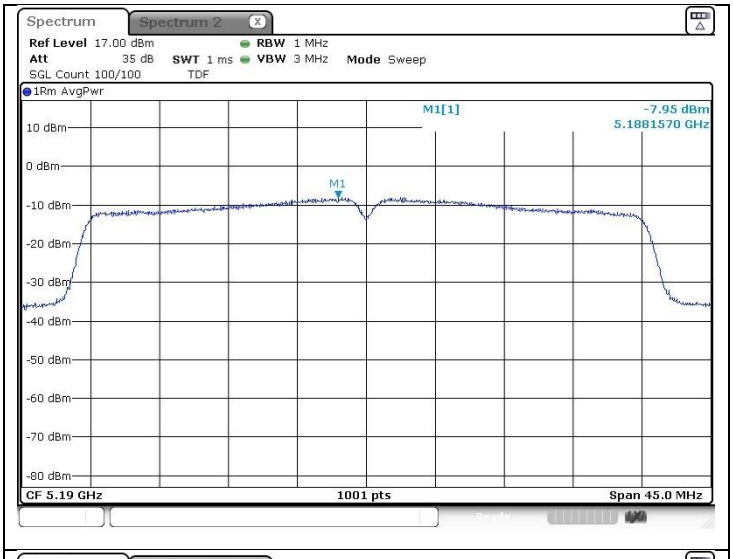


High Channel
(5 825 ㎒)

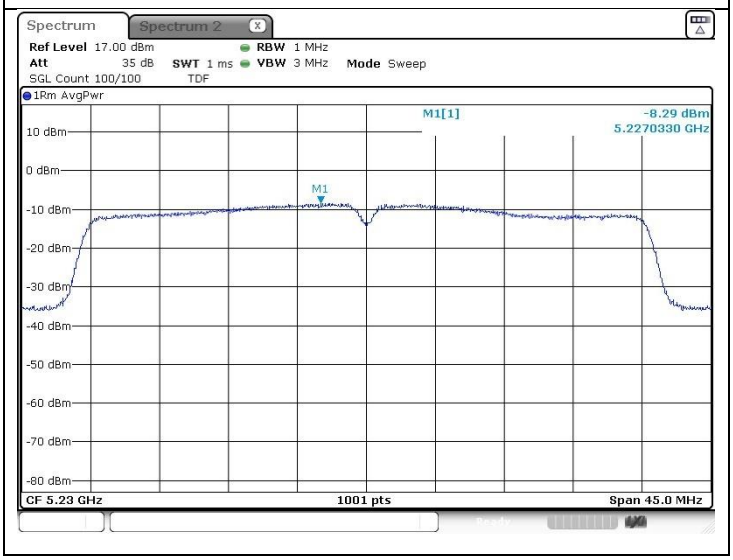


802.11n_HT40 (Band 1)

Low Channel
(5 190 ㎒)

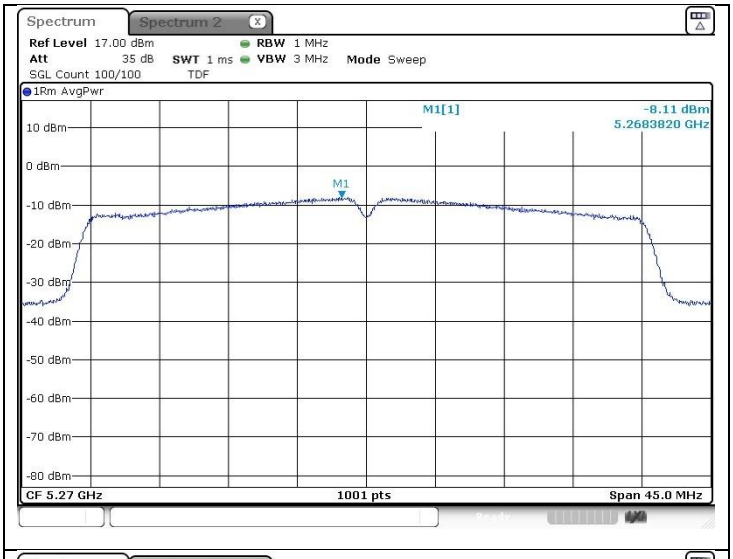


High Channel
(5 230 ㎒)

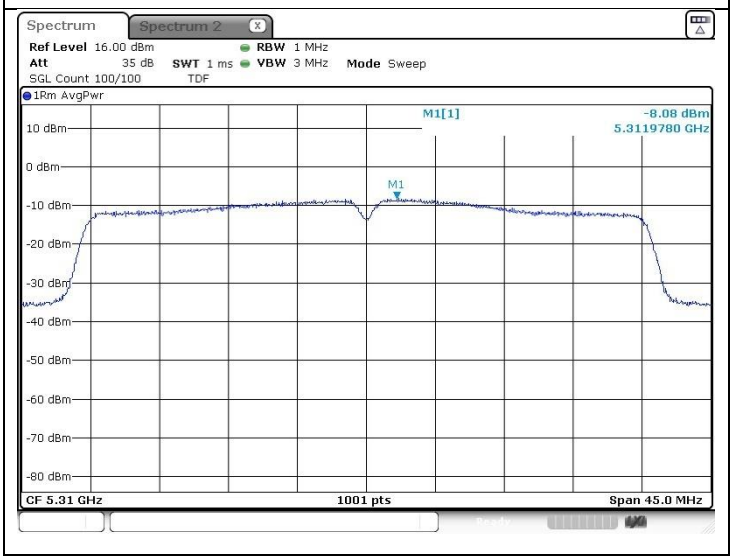


802.11n_HT40 (Band 2A)

Low Channel
(5 270 ㎒)

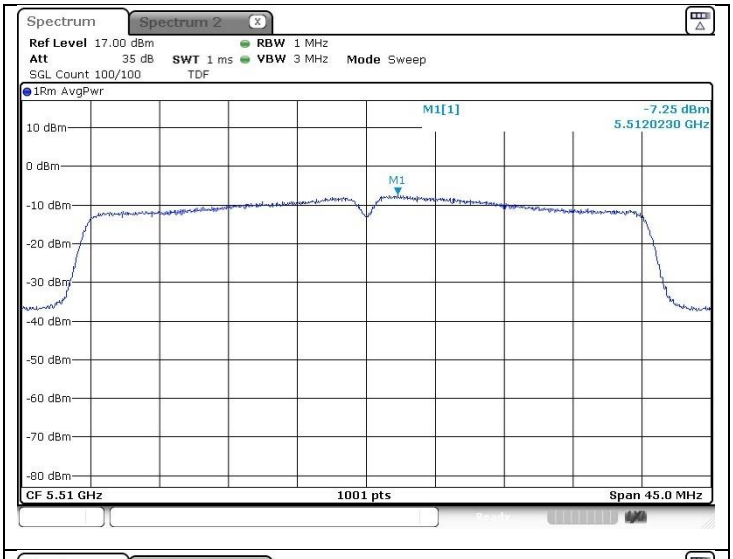


High Channel
(5 310 ㎒)

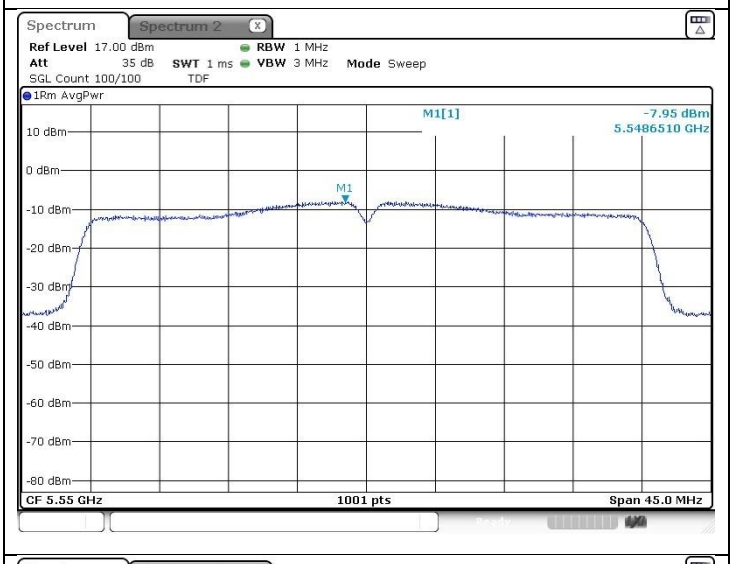


802.11n_HT40 (Band 2C)

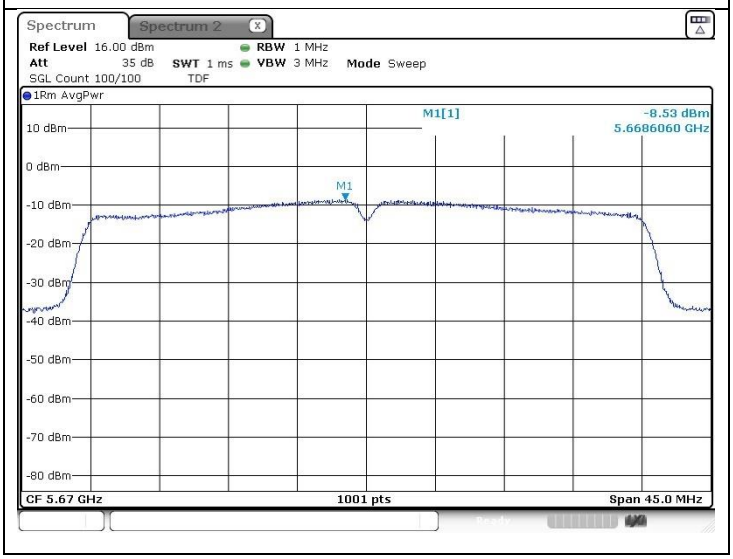
Low Channel
(5 510 ㎒)



Middle Channel
(5 550 ㎒)

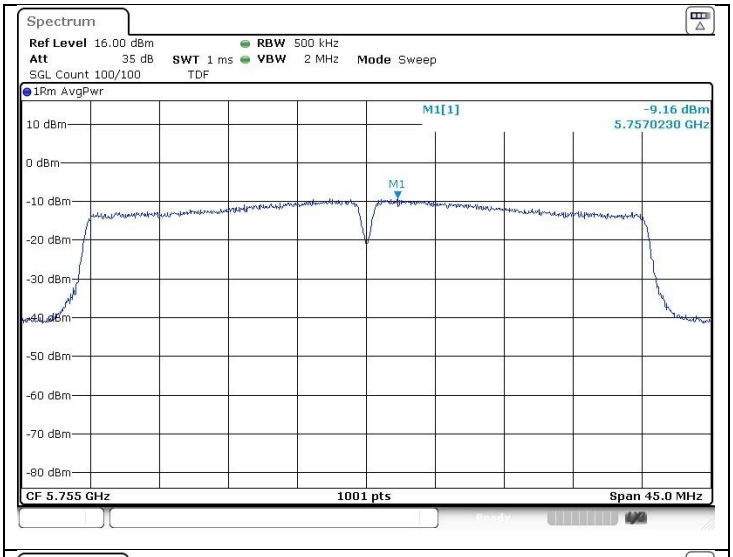


High Channel
(5 670 ㎒)

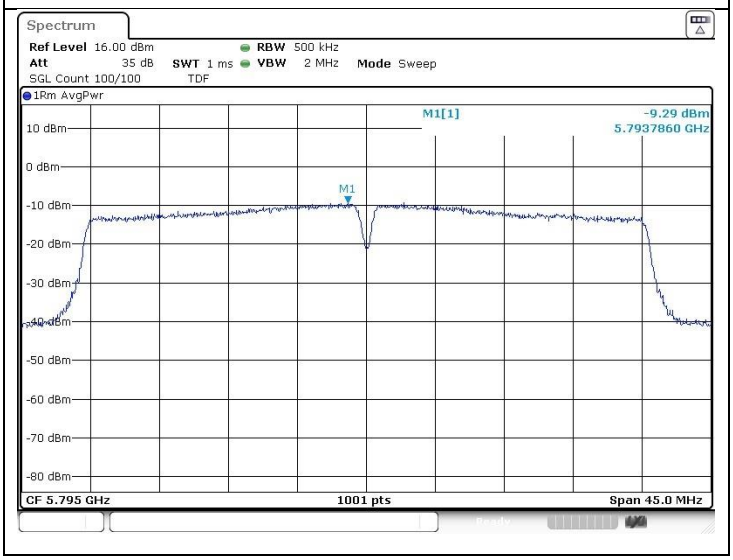


802.11n_HT40 (Band 3)

Low Channel
(5 755 ㎒)

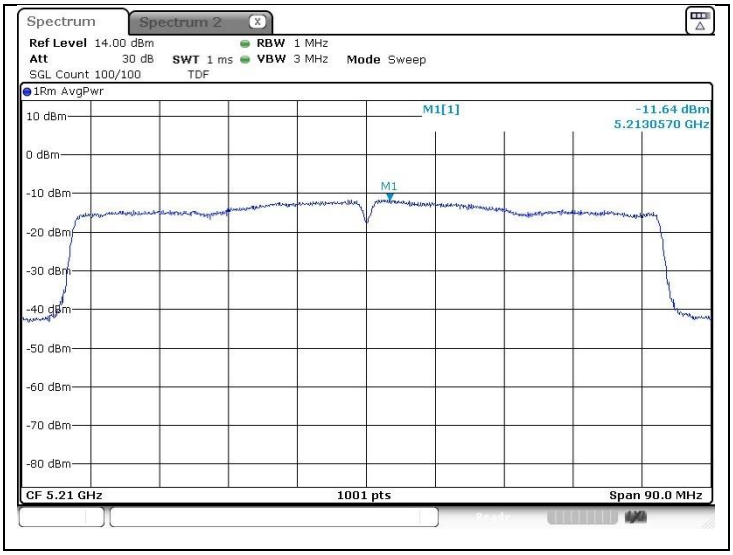


High Channel
(5 795 ㎒)



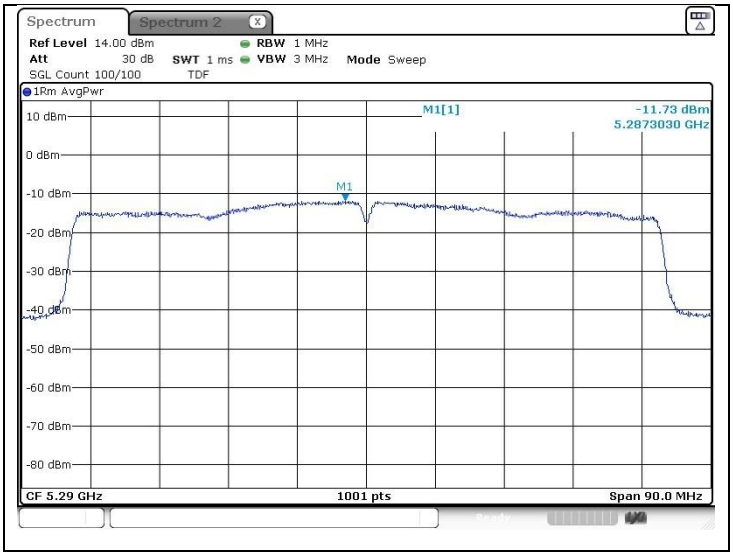
802.11ac_VHT80 (Band 1)

Middle Channel
(5 210 ㎒)



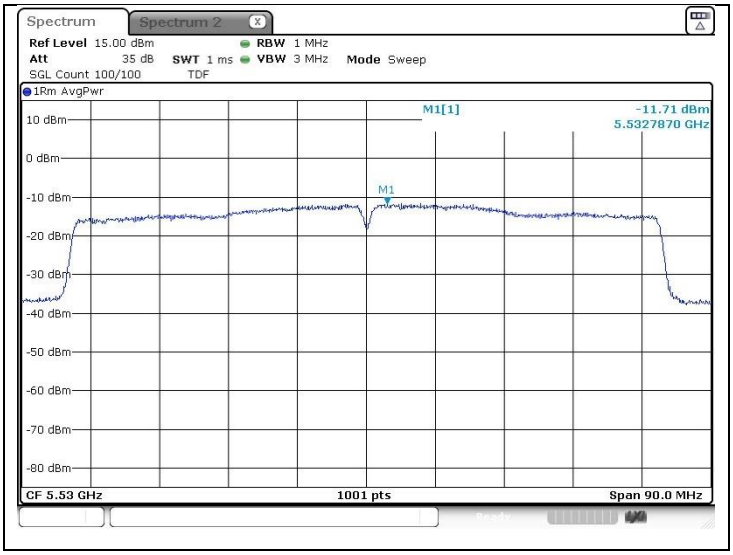
802.11ac_VHT80 (Band 2A)

Middle Channel
(5 290 ㎒)



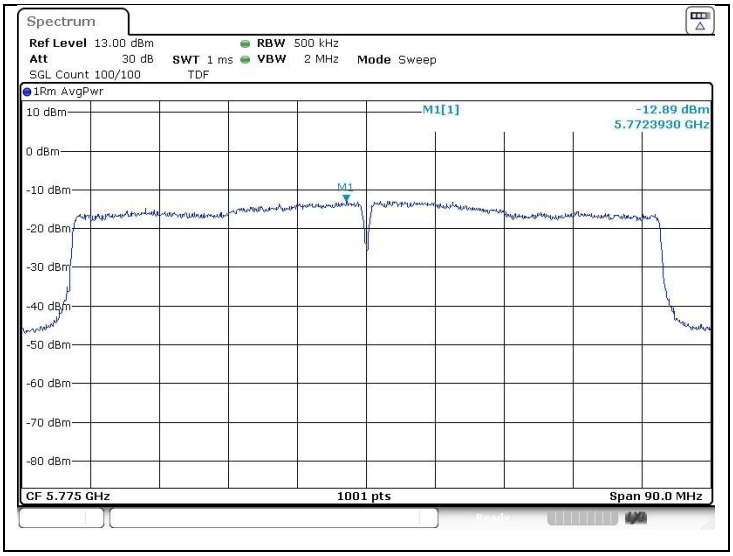
802.11ac_VHT80 (Band 2C)

Low Channel
(5 530 ㎒)



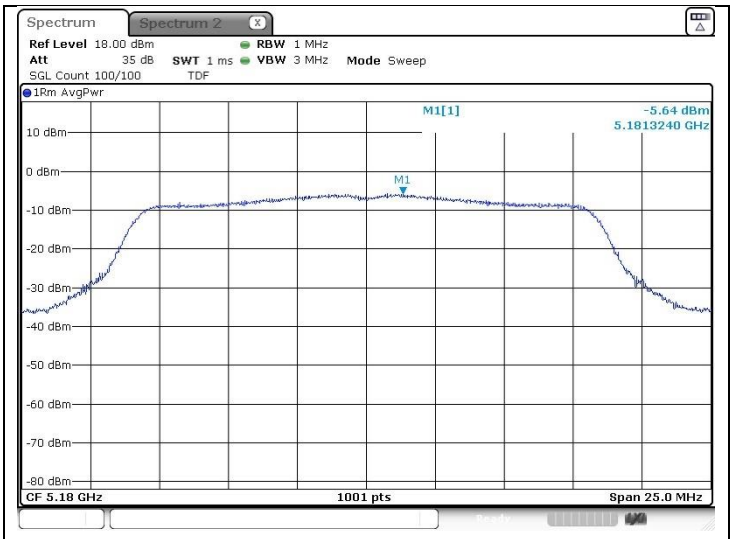
802.11ac_VHT80 (Band 3)

Middle Channel
(5 775 ㎒)

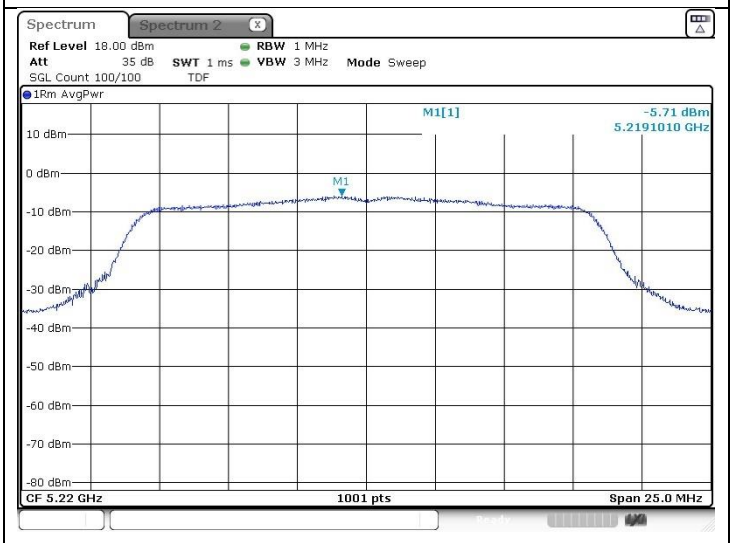


SISO_Core 1
802.11a (Band 1)

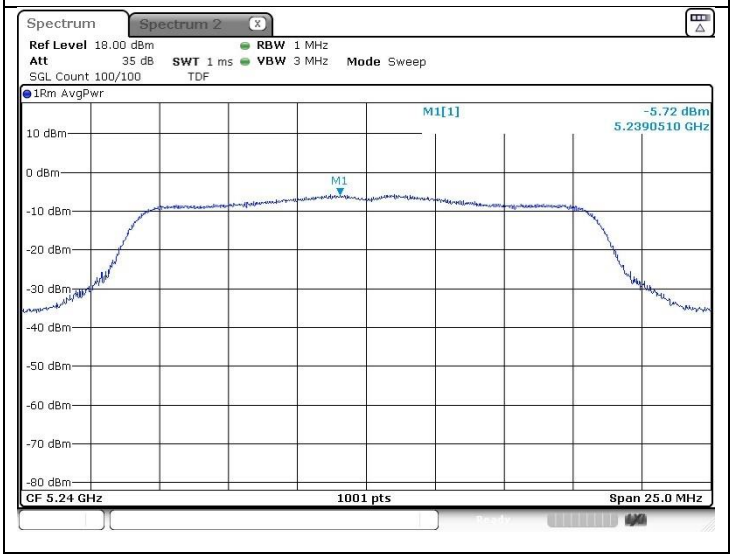
Low Channel
(5 180 ㎒)



Middle Channel
(5 220 ㎒)

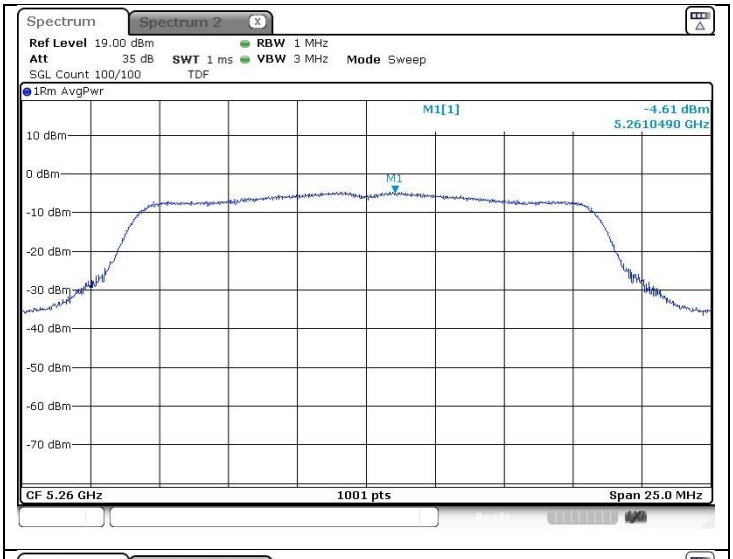


High Channel
(5 240 ㎒)

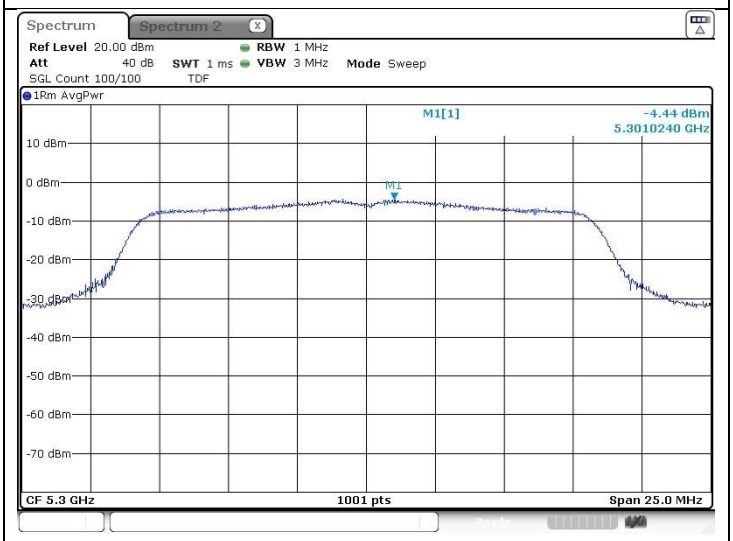


802.11a (Band 2A)

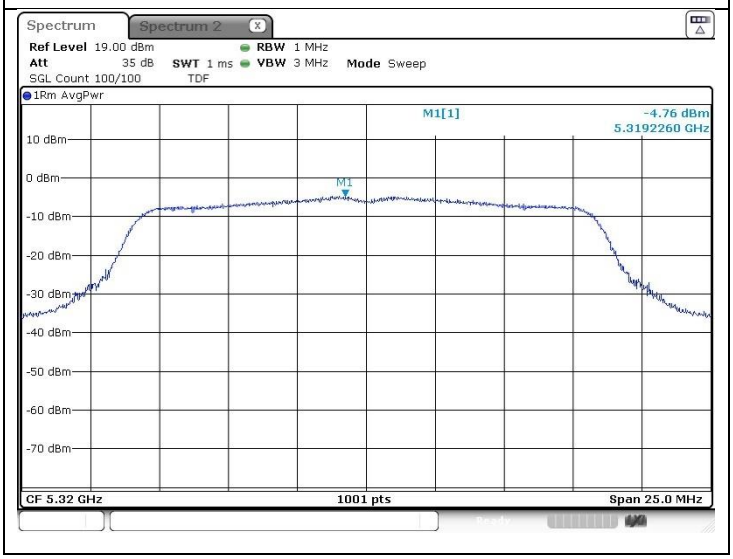
Low Channel
(5 260 ㎒)



Middle Channel
(5 300 ㎒)

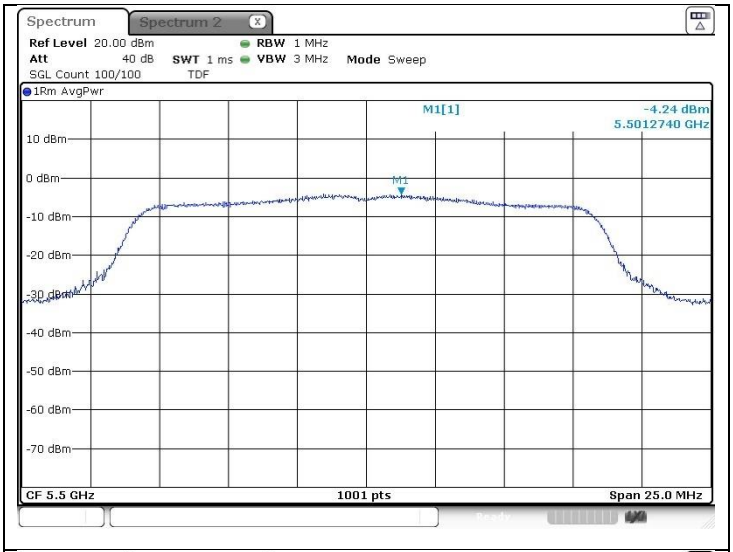


High Channel
(5 320 ㎒)

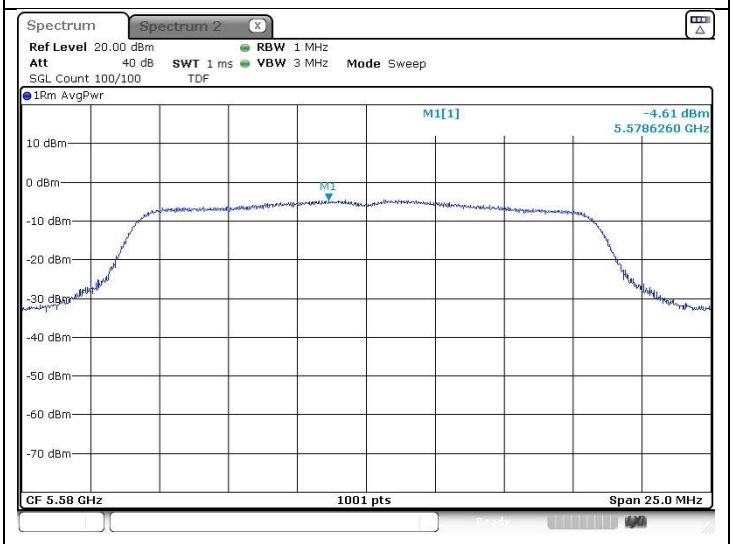


802.11a (Band 2C)

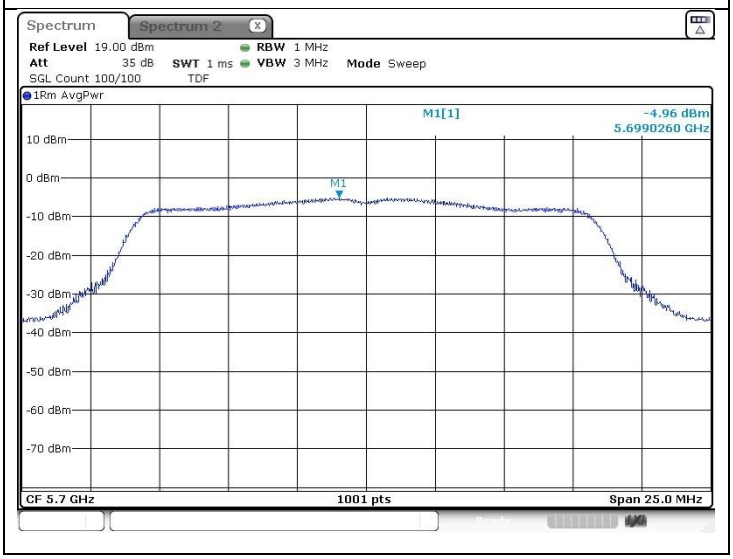
Low Channel
(5 500 ㎒)



Middle Channel
(5 580 ㎒)

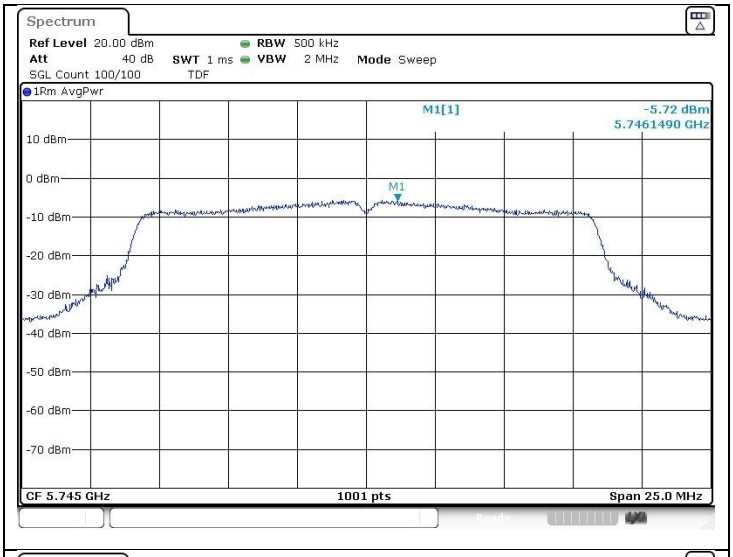


High Channel
(5 700 ㎒)

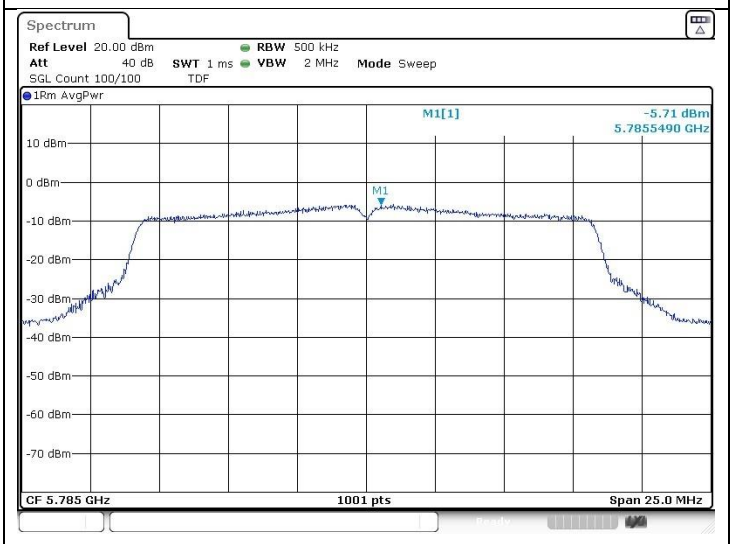


802.11a (Band 3)

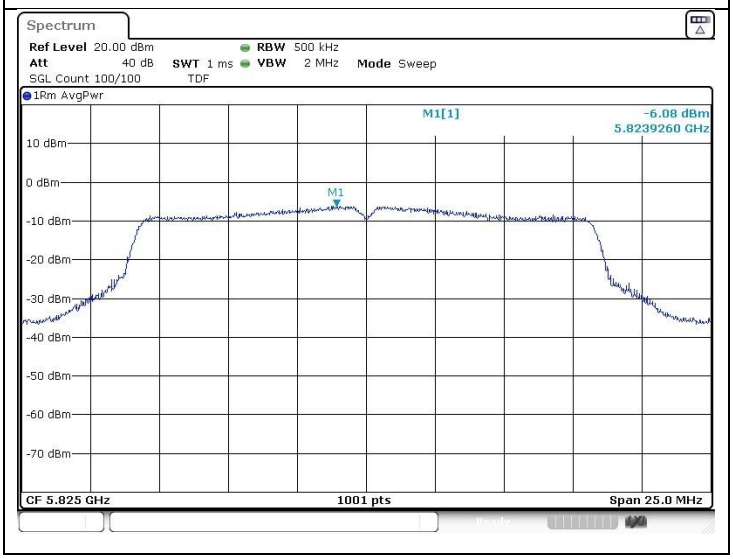
Low Channel
(5 745 ㎒)



Middle Channel
(5 785 ㎒)



High Channel
(5 825 ㎒)

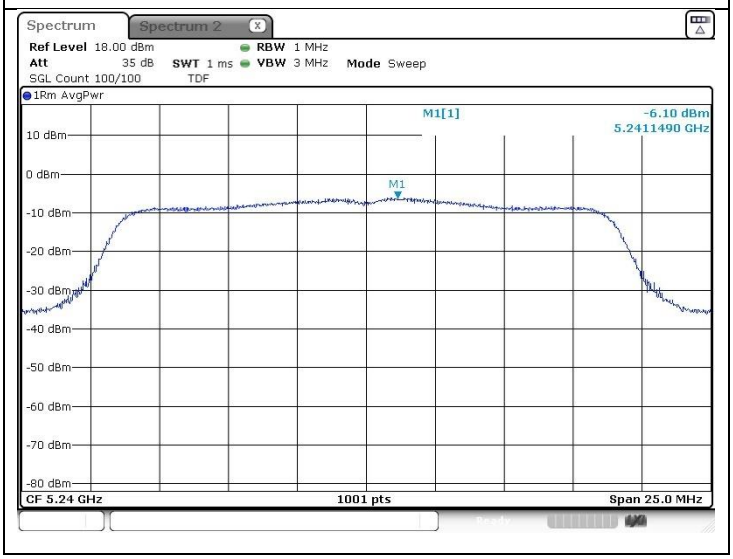


802.11ac_VHT20 (Band 1)

Low Channel
(5 180 ㎒)

Middle Channel
(5 220 ㎒)

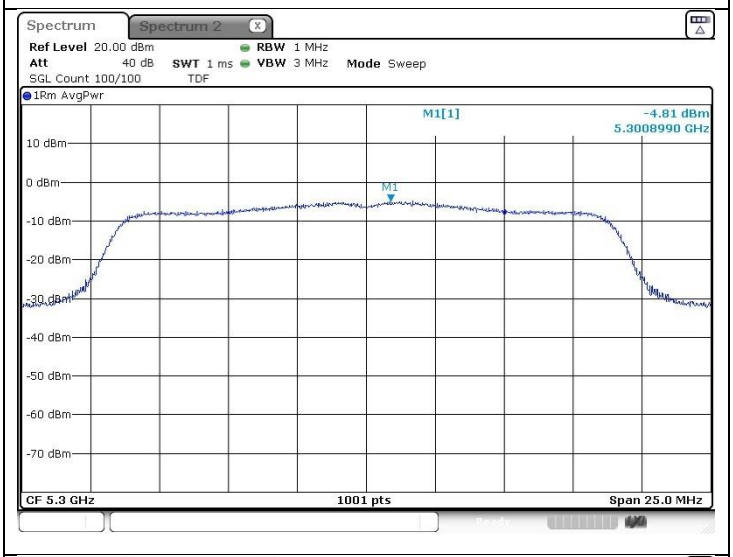
High Channel
(5 240 ㎒)



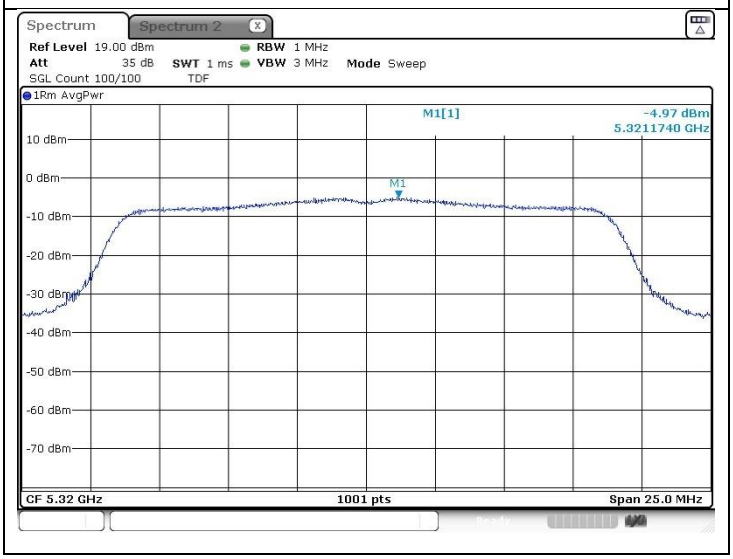
802.11ac_VHT20 (Band 2A)

Low Channel
(5 260 ㎒)

Middle Channel
(5 300 ㎒)



High Channel
(5 320 ㎒)



802.11ac_VHT20 (Band 2C)

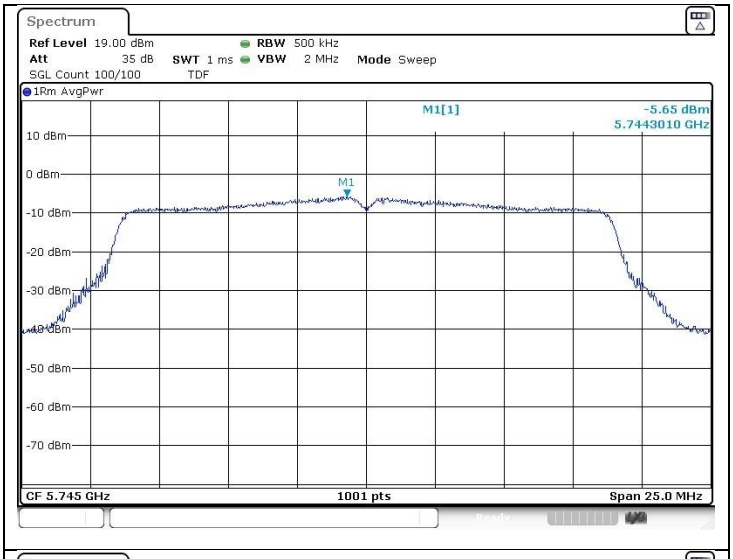
Low Channel
(5 500 ㎒)

Middle Channel
(5 580 ㎒)

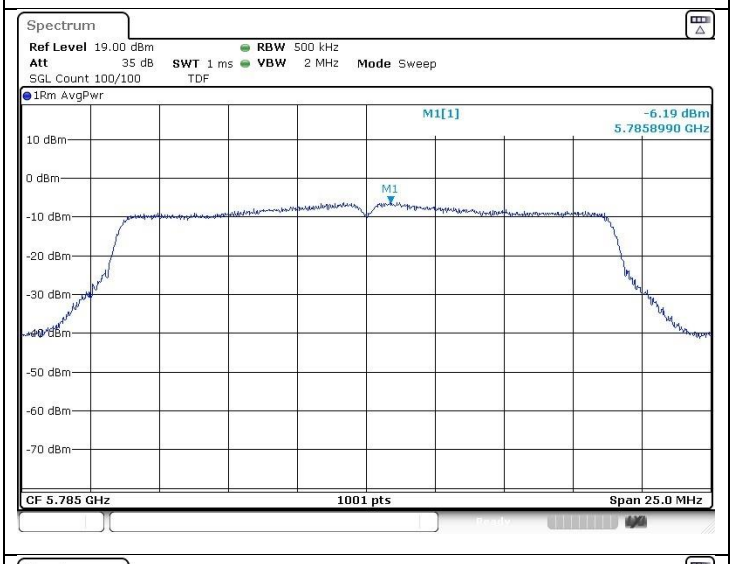
High Channel
(5 700 ㎒)

802.11ac_VHT20 (Band 3)

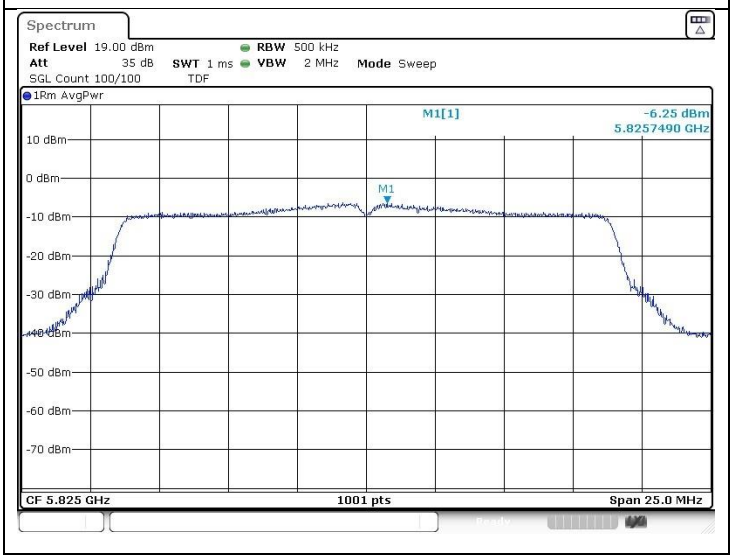
Low Channel
(5 745 ㎒)



Middle Channel
(5 785 ㎒)

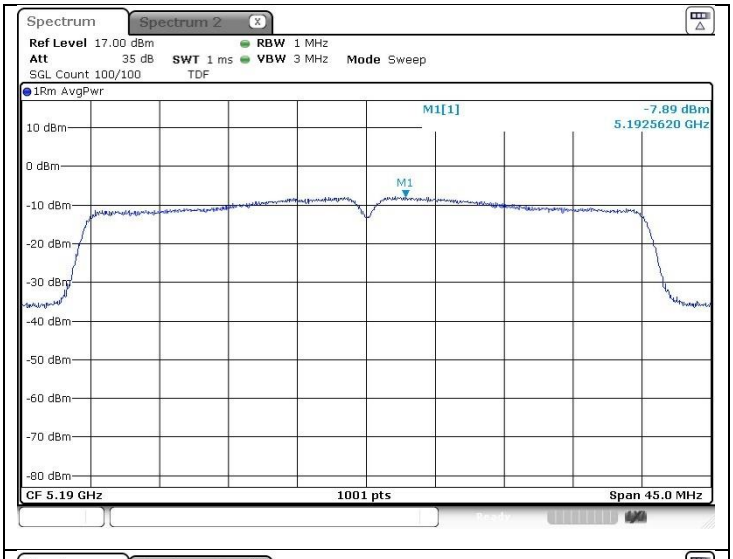


High Channel
(5 825 ㎒)

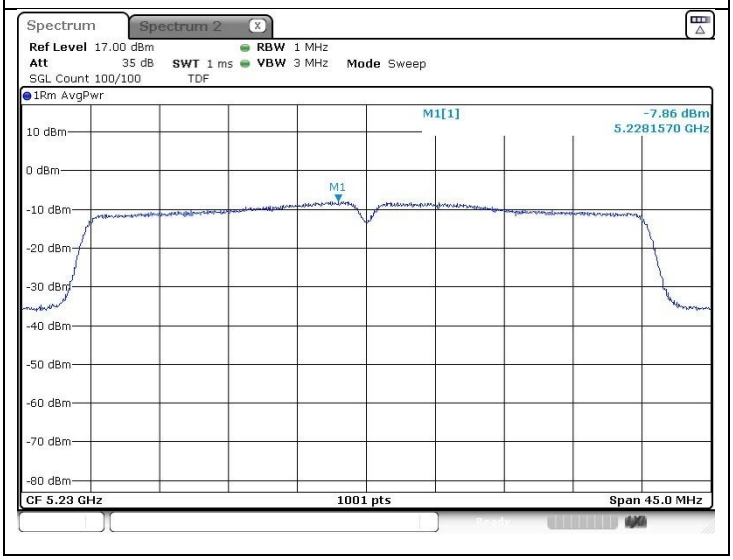


802.11n_HT40 (Band 1)

Low Channel
(5 190 ㎒)

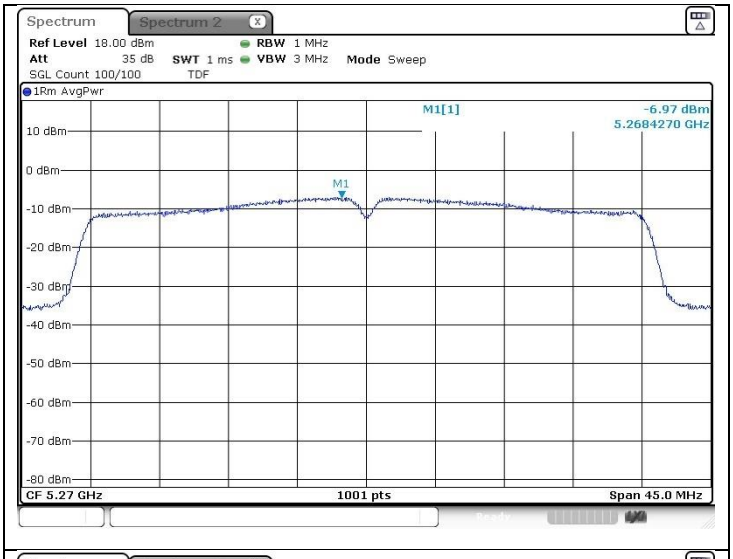


High Channel
(5 230 ㎒)

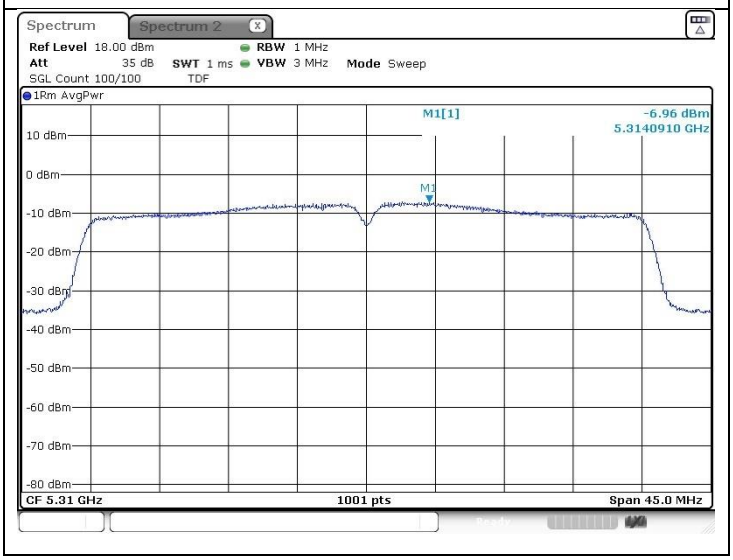


802.11n_HT40 (Band 2A)

Low Channel
(5 270 ㎒)

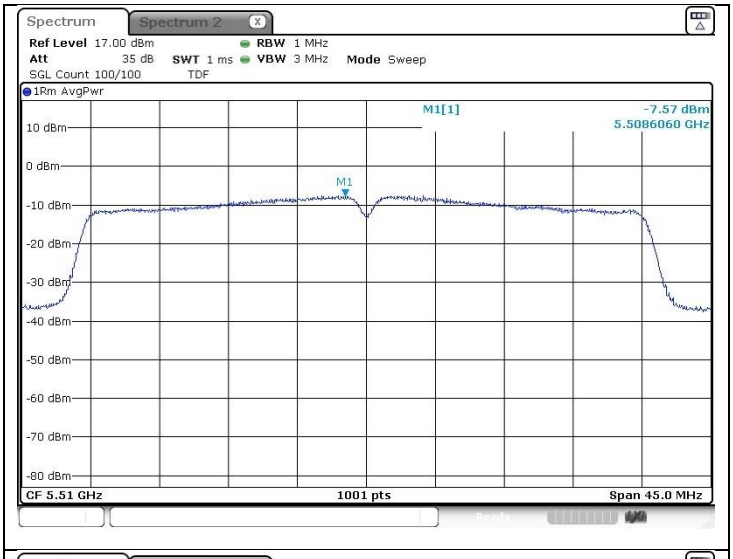


High Channel
(5 310 ㎒)

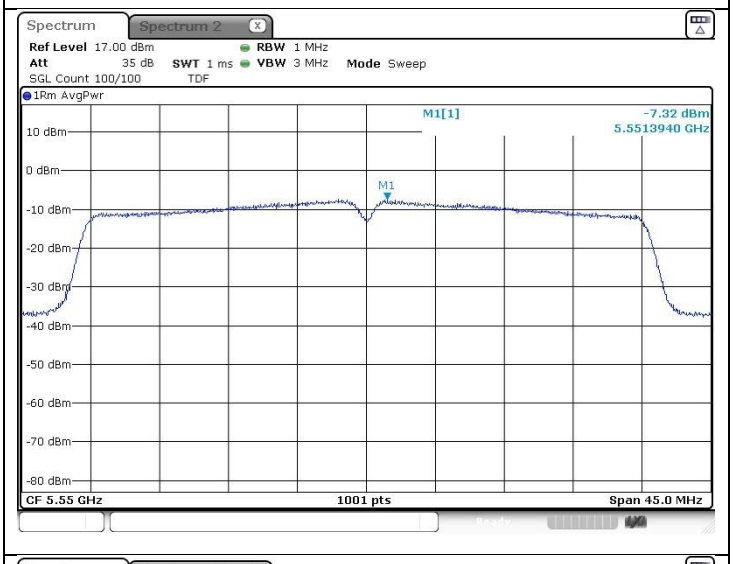


802.11n_HT40 (Band 2C)

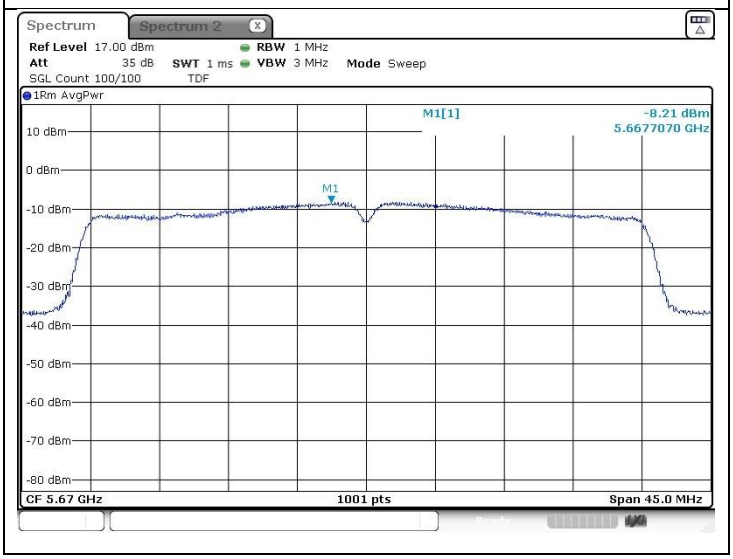
Low Channel
(5 510 ㎒)



Middle Channel
(5 550 ㎒)

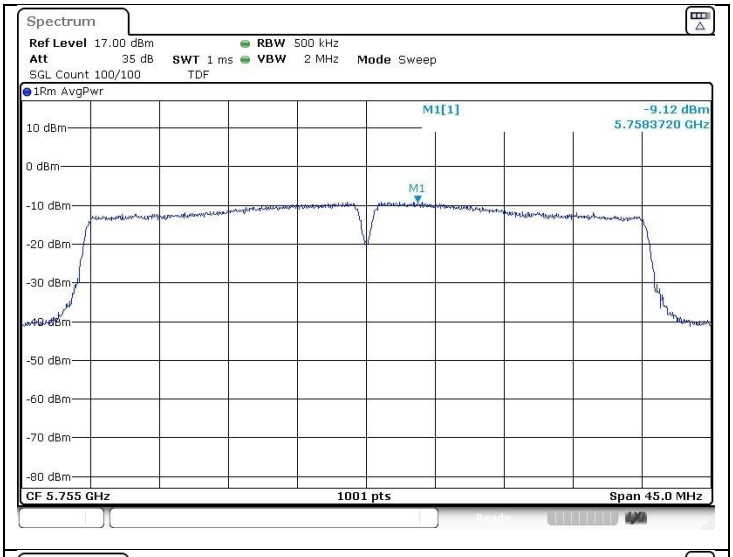


High Channel
(5 670 ㎒)

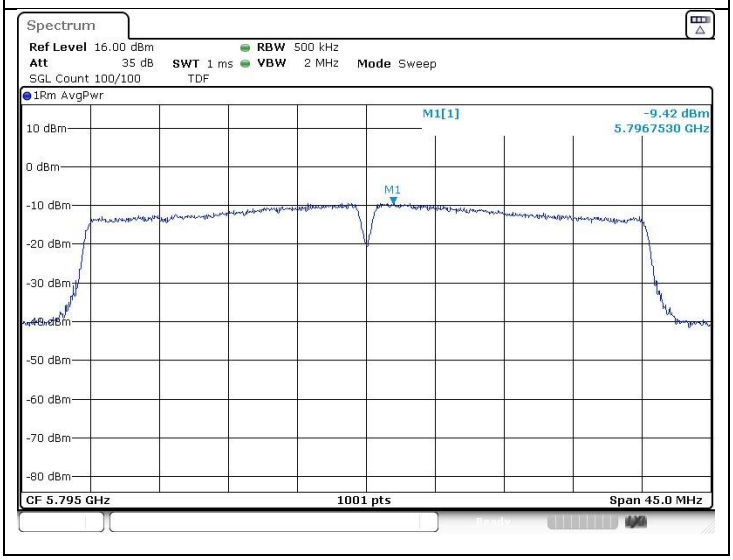


802.11n_HT40 (Band 3)

Low Channel
(5 755 ㎒)

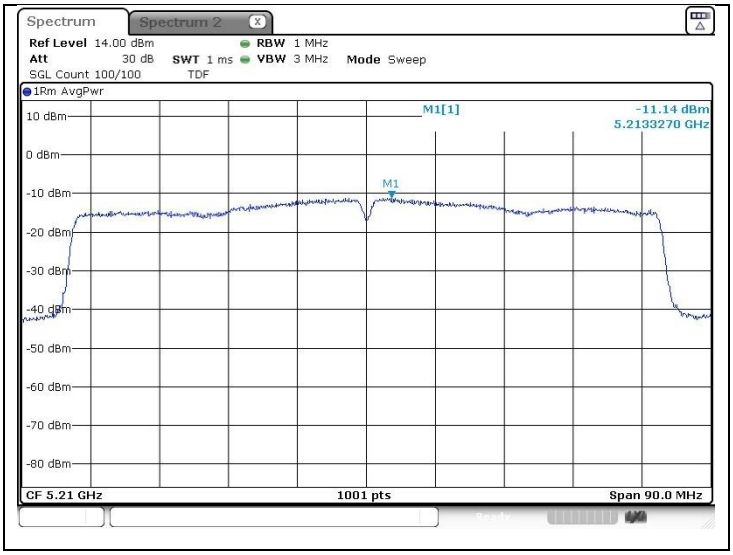


High Channel
(5 795 ㎒)



802.11ac_VHT80 (Band 1)

Middle Channel
(5 210 ㎒)



802.11ac_VHT80 (Band 2A)

Middle Channel
(5 290 ㎒)