

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 1 PSD (dBm/100KHz)	Ant 2 PSD (dBm/100KHz)	Duty Cycle (%)	Constant Factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
11a	6	149	5745	-4.71	-4.49	95.16	6.99	5.62	≤ 29.00	Pass
11a	6	157	5785	-4.73	-5.21	95.16	6.99	5.25	≤ 29.00	Pass
11a	6	165	5825	-5.14	-4.83	95.16	6.99	5.23	≤ 29.00	Pass
11n-HT20	26	149	5745	-4.56	-5.22	95.05	6.99	5.34	≤ 29.00	Pass
11n-HT20	26	157	5785	-5.37	-5.68	95.05	6.99	4.70	≤ 29.00	Pass
11n-HT20	26	165	5825	-5.98	-5.68	95.05	6.99	4.39	≤ 29.00	Pass
11n-HT40	54	151	5755	-8.02	-8.80	90.41	6.99	2.05	≤ 29.00	Pass
11n-HT40	54	159	5795	-8.58	-8.70	90.41	6.99	1.80	≤ 29.00	Pass
11ac-VHT20	26	149	5745	-4.69	-4.85	98.47	6.99	5.23	≤ 29.00	Pass
11ac-VHT20	26	157	5785	-5.03	-5.15	98.47	6.99	4.91	≤ 29.00	Pass
11ac-VHT20	26	165	5825	-5.28	-5.14	98.47	6.99	4.79	≤ 29.00	Pass
11ac-VHT40	54	151	5755	-7.90	-8.63	97.03	6.99	1.88	≤ 29.00	Pass
11ac-VHT40	54	159	5795	-8.41	-8.59	97.03	6.99	1.63	≤ 29.00	Pass
11ac-VHT80	117.2	155	5775	-11.59	-11.75	93.79	6.99	-1.39	≤ 29.00	Pass

Note 1: When EUT duty cycle ≥ 98%, the Total PSD (dBm/500KHz) = $10 \cdot \log \{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + \text{Constant Factor (dB)}$

Note 2: When EUT duty cycle < 98%, the Total PSD (dBm/500KHz) = $10 \cdot \log \{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + 10 \cdot \log(1/\text{Duty Cycle}) + \text{Constant Factor (dB)}$.

Note 3: The PSD Limit (dBm/500kHz) = 30 dBm/500kHz – (7dBi – 6 dBi) = 29 dBm/500kHz.

Beam-Forming Mode

2TX _ Ant 1 + 2

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11n-HT20	26	36	5180	2.91	0.51	95.05	5.10	≤ 16.00	Pass
11n-HT20	26	44	5220	2.67	2.07	95.05	5.61	≤ 16.00	Pass
11n-HT20	26	48	5240	2.78	3.16	95.05	6.20	≤ 16.00	Pass
11n-HT40	54	38	5190	-2.55	-2.91	90.41	0.72	≤ 16.00	Pass
11n-HT40	54	46	5230	-0.15	-0.13	90.41	3.31	≤ 16.00	Pass
11ac-VHT20	26	36	5180	2.52	2.66	98.47	5.60	≤ 16.00	Pass
11ac-VHT20	26	44	5220	2.81	2.7	98.47	5.77	≤ 16.00	Pass
11ac-VHT20	26	48	5240	2.89	2.86	98.47	5.89	≤ 16.00	Pass
11ac-VHT40	54	38	5190	-2.94	-3.44	97.03	-0.04	≤ 16.00	Pass
11ac-VHT40	54	46	5230	-0.3	-0.35	97.03	2.82	≤ 16.00	Pass
11ac-VHT80	117.2	42	5210	-5.91	-5.8	93.79	-2.57	≤ 16.00	Pass

Note 1: When EUT duty cycle ≥ 98%, the Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\}$

Note 2: When EUT duty cycle < 98%, the Total PSD (dBm/MHz) = $10 \cdot \log \{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + 10 \cdot \log(1/\text{Duty Cycle})$.

Note 3: The PSD Limit (dBm/MHz) = 17 dBm/MHz – (7dBi – 6 dBi) = 16 dBm/MHz.

Test Mode	Data Rate (Mbps)	Channel No.	Freq. (MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Duty Cycle (%)	Constant Factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
11n-HT20	26	149	5745	-5.09	-5.21	95.05	6.99	5.07	≤ 29.00	Pass
11n-HT20	26	157	5785	-5.02	-5.01	95.05	6.99	5.21	≤ 29.00	Pass
11n-HT20	26	165	5825	-5.53	-5.14	95.05	6.99	4.89	≤ 29.00	Pass
11n-HT40	54	151	5755	-8.16	-8.76	90.41	6.99	1.99	≤ 29.00	Pass
11n-HT40	54	159	5795	-8.87	-8.95	90.41	6.99	1.53	≤ 29.00	Pass
11ac-VHT20	26	149	5745	-5.27	-5.27	98.47	6.99	4.73	≤ 29.00	Pass
11ac-VHT20	26	157	5785	-4.93	-4.97	98.47	6.99	5.05	≤ 29.00	Pass
11ac-VHT20	26	165	5825	-5.9	-5.2	98.47	6.99	4.46	≤ 29.00	Pass
11ac-VHT40	54	151	5755	-8.75	-8.61	97.03	6.99	1.45	≤ 29.00	Pass
11ac-VHT40	54	159	5795	-8.57	-8.62	97.03	6.99	1.54	≤ 29.00	Pass
11ac-VHT80	117.2	155	5775	-11.52	-11.54	93.79	6.99	-1.25	≤ 29.00	Pass

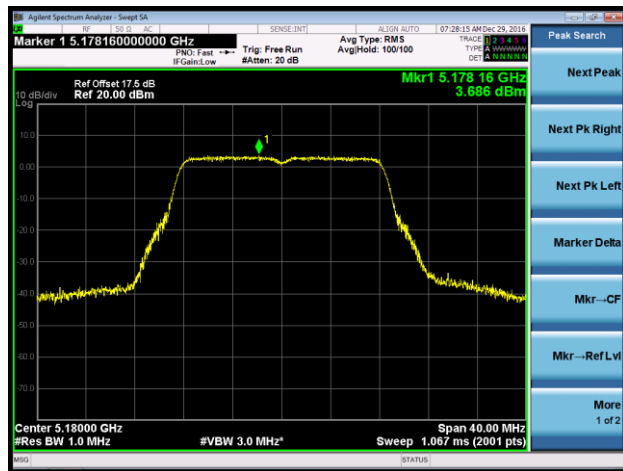
Note 1: When EUT duty cycle ≥ 98%, the Total PSD (dBm/500KHz) = $10 \cdot \log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + \text{Constant Factor (dB)}$

Note 2: When EUT duty cycle < 98%, the Total PSD (dBm/500KHz) = $10 \cdot \log\{10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)}\} + 10 \cdot \log(1/\text{Duty Cycle}) + \text{Constant Factor (dB)}$.

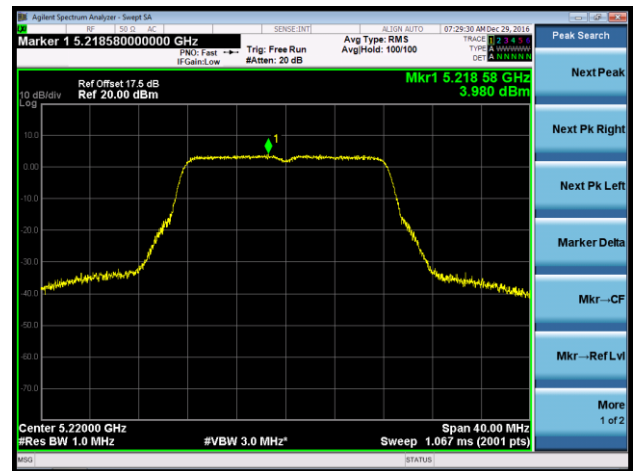
Note 3: The PSD Limit (dBm/500kHz) = 30 dBm/500kHz – (7dBi – 6 dBi) = 29 dBm/500kHz.

802.11a Power Spectral Density - Ant 1

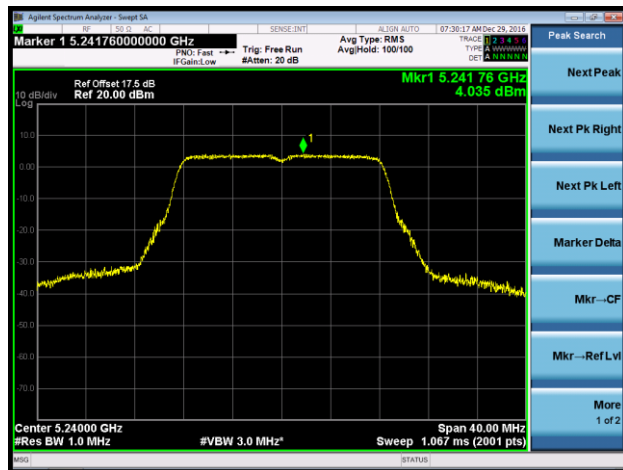
Channel 36 (5180MHz)



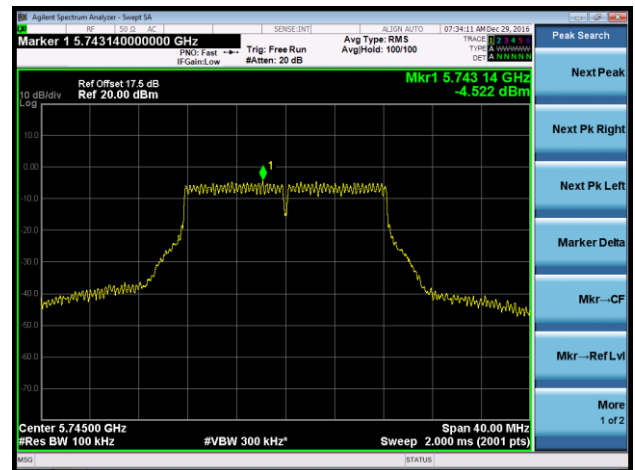
Channel 44 (5220MHz)



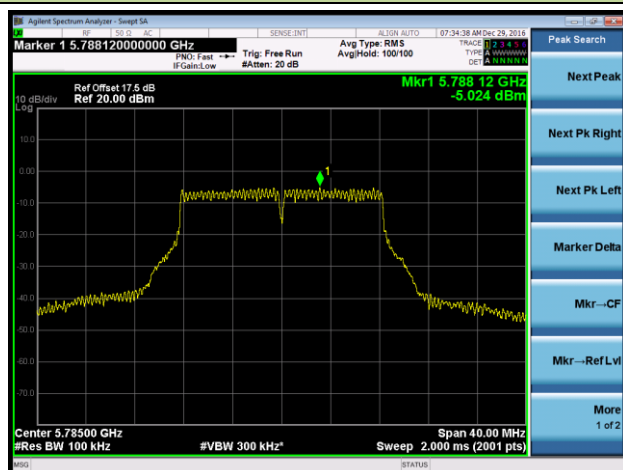
Channel 48 (5240MHz)



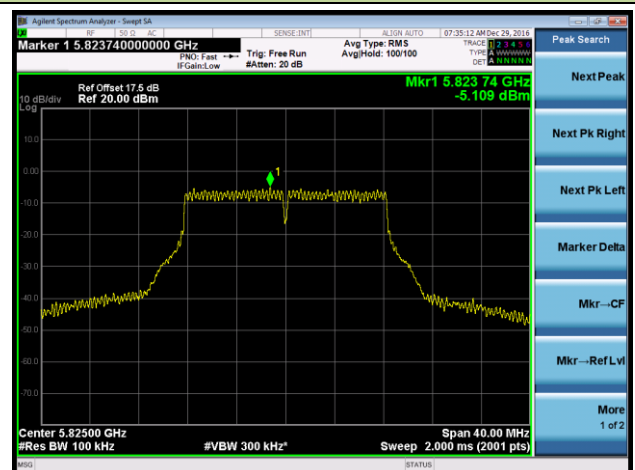
Channel 149 (5745MHz)



Channel 157 (5785MHz)

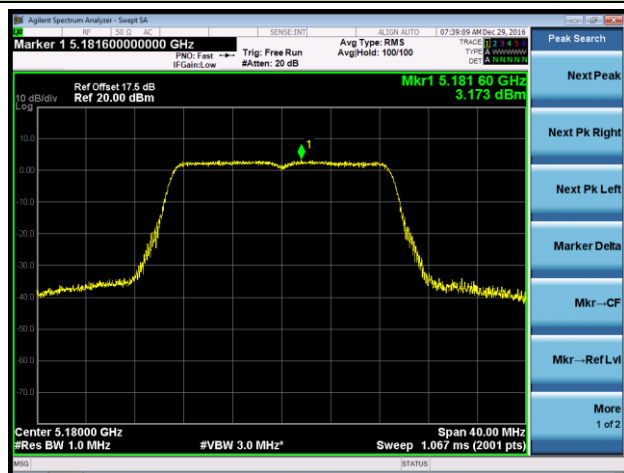


Channel 165 (5825MHz)

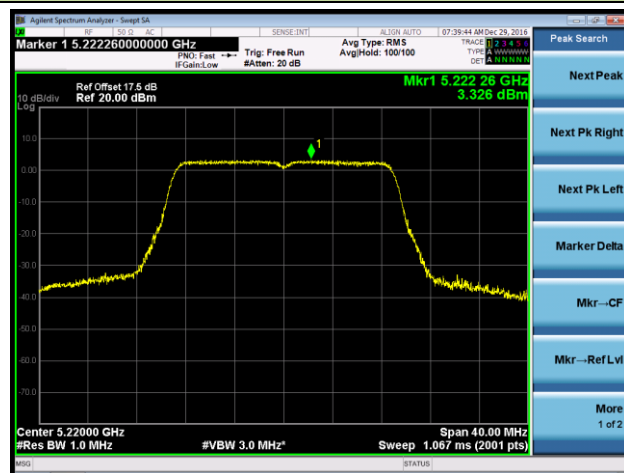


802.11n-HT20 Power Spectral Density - Ant 1

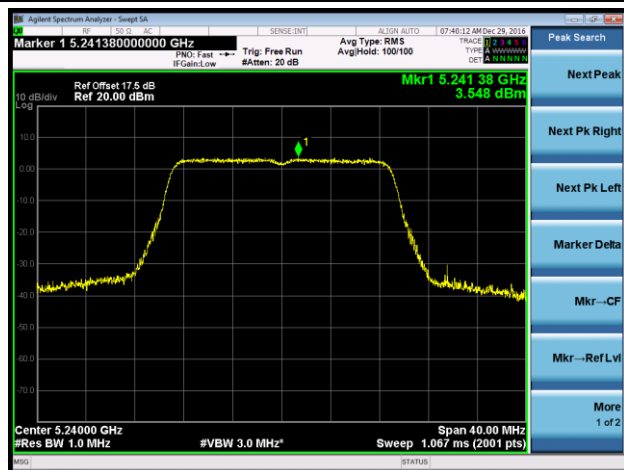
Channel 36 (5180MHz)



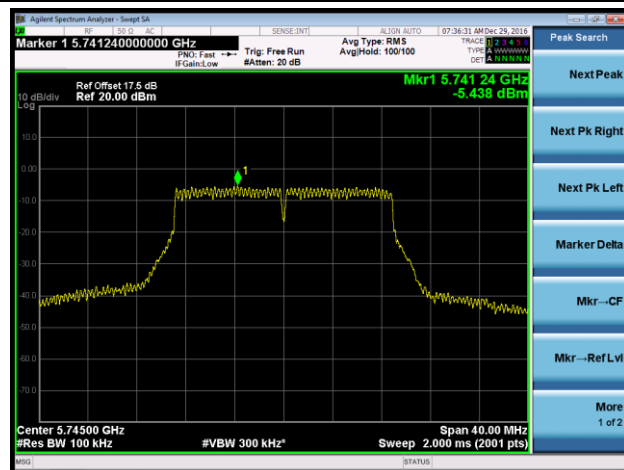
Channel 44 (5220MHz)



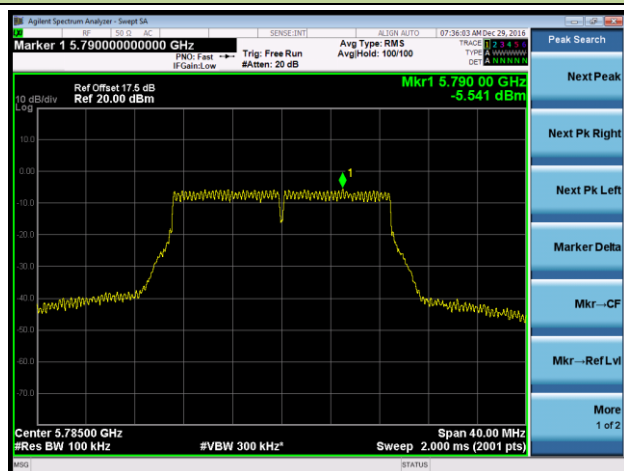
Channel 48 (5240MHz)



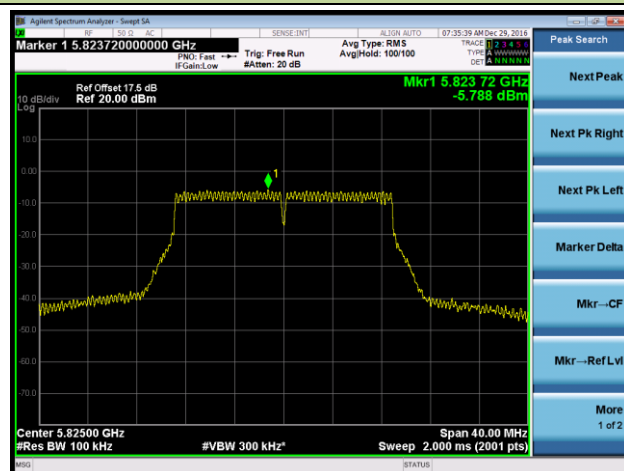
Channel 149 (5745MHz)



Channel 157 (5785MHz)

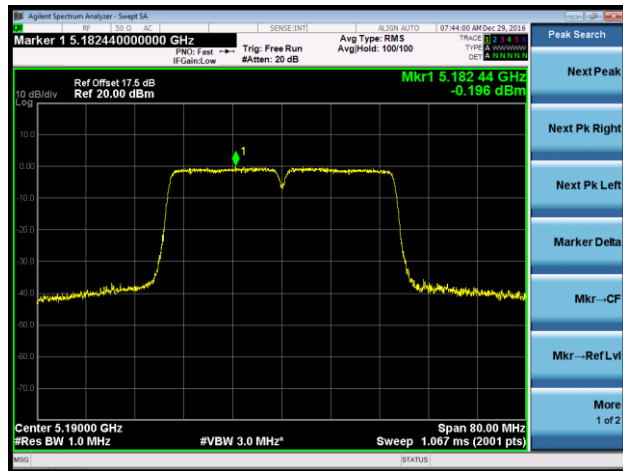


Channel 165 (5825MHz)

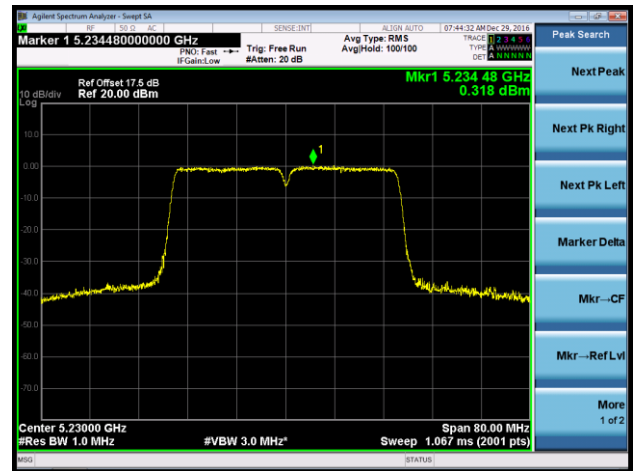


802.11n-HT40 Power Spectral Density - Ant 1

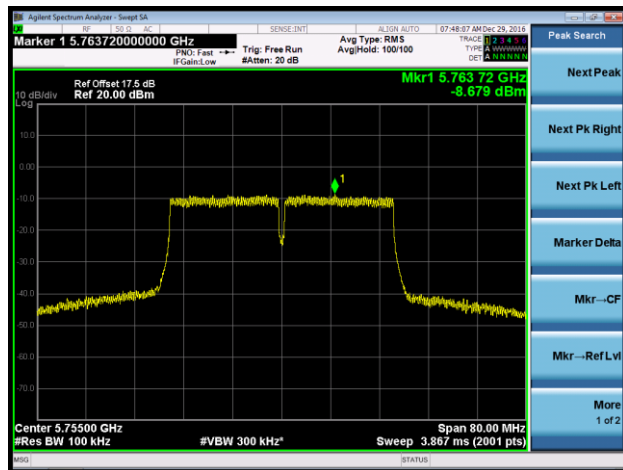
Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 151 (5755MHz)

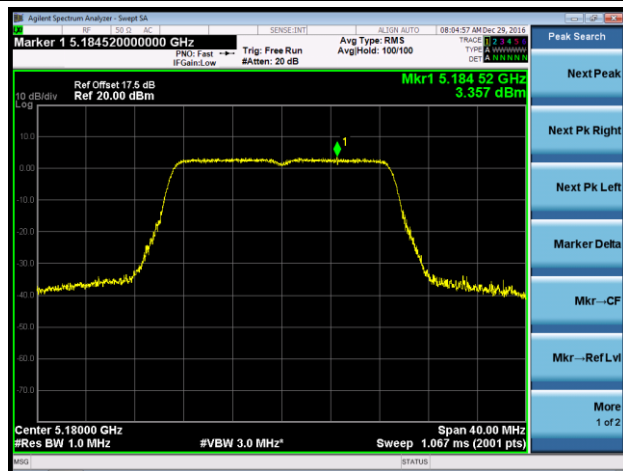


Channel 159 (5795MHz)

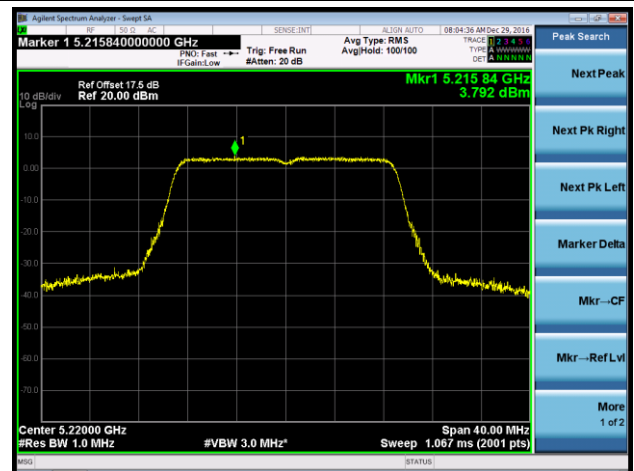


802.11ac-VHT20 Power Spectral Density - Ant 1

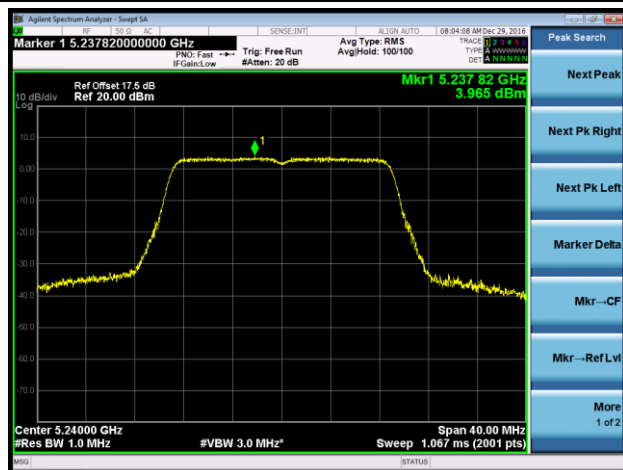
Channel 36 (5180MHz)



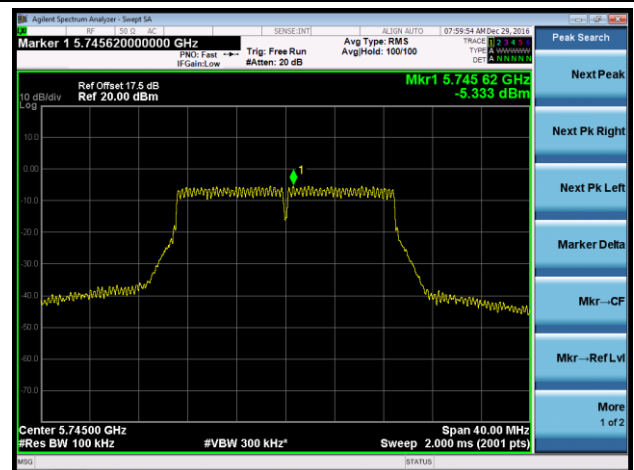
Channel 44 (5220MHz)



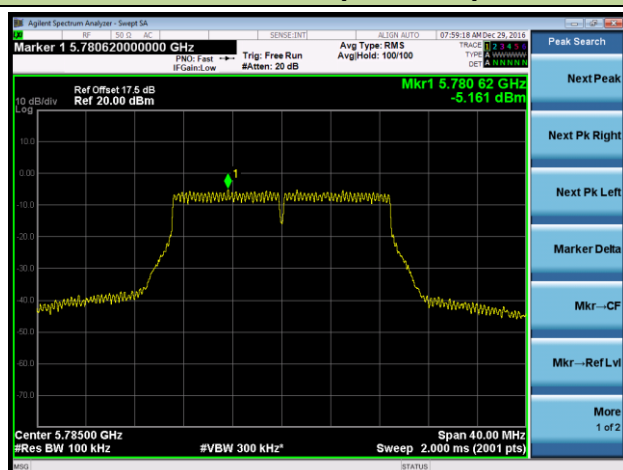
Channel 48 (5240MHz)



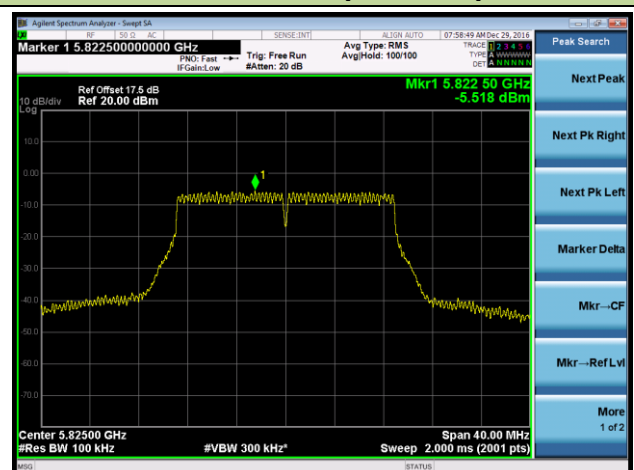
Channel 149 (5745MHz)



Channel 157 (5785MHz)

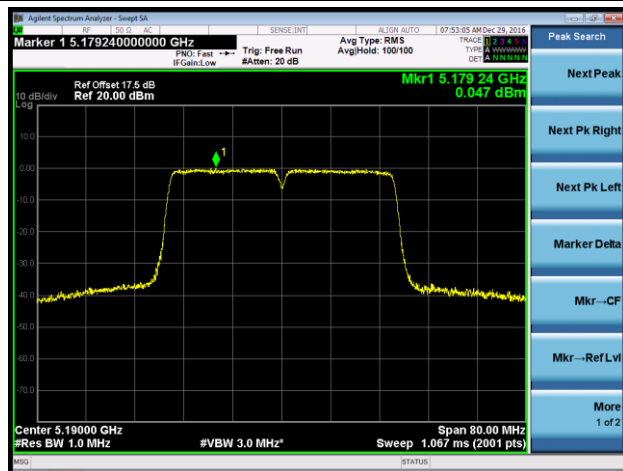


Channel 165 (5825MHz)

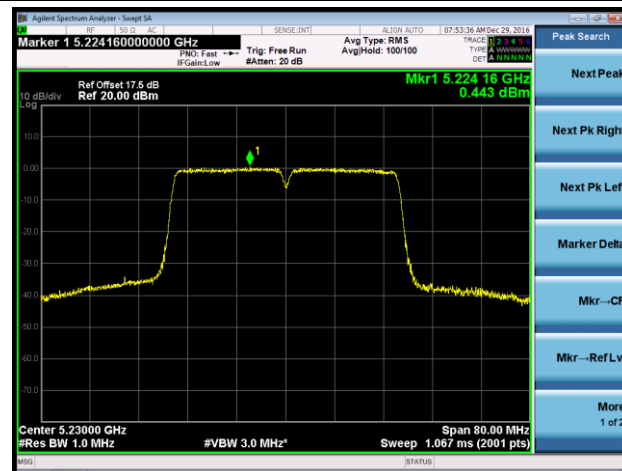


802.11ac-VHT40 Power Spectral Density - Ant 1

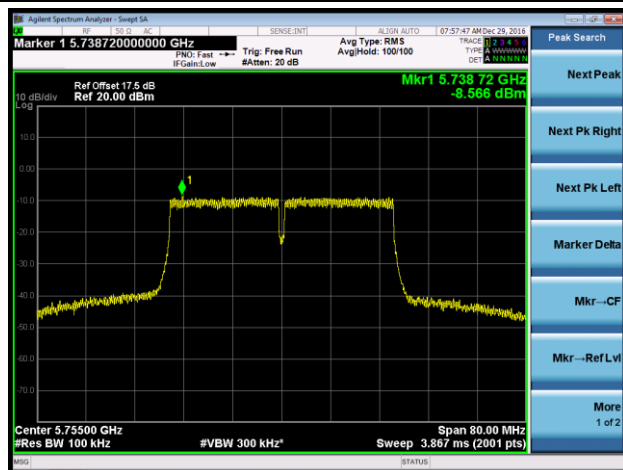
Channel 38 (5190MHz)



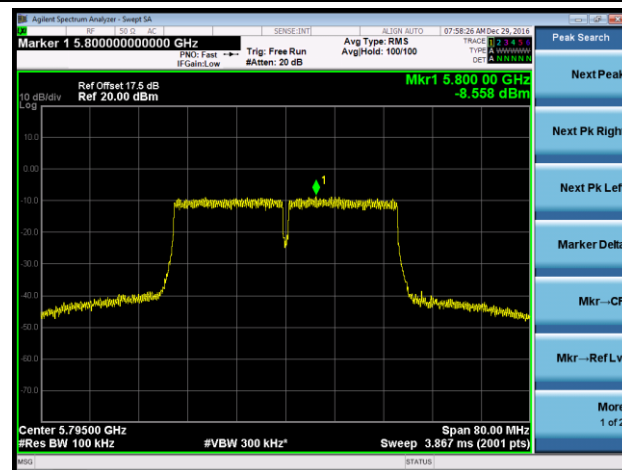
Channel 46 (5230MHz)



Channel 151 (5755MHz)

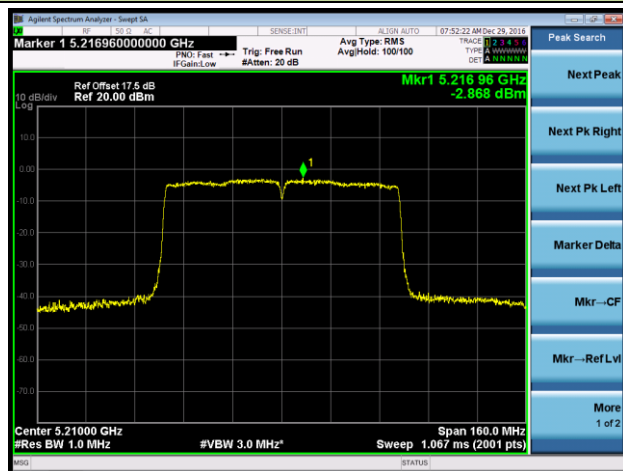


Channel 159 (5795MHz)

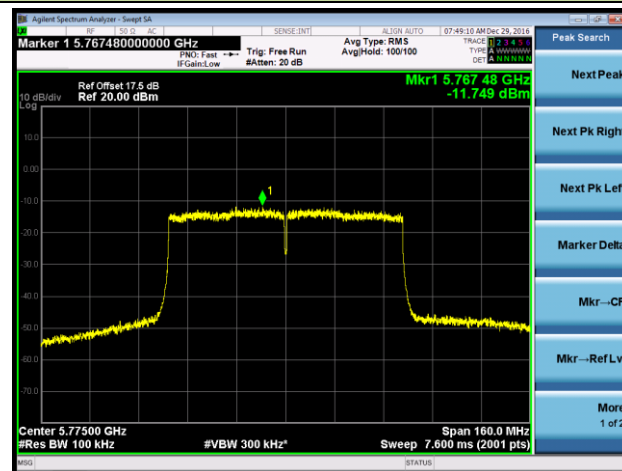


802.11ac-VHT80 Power Spectral Density - Ant 1

Channel 42 (5210MHz)



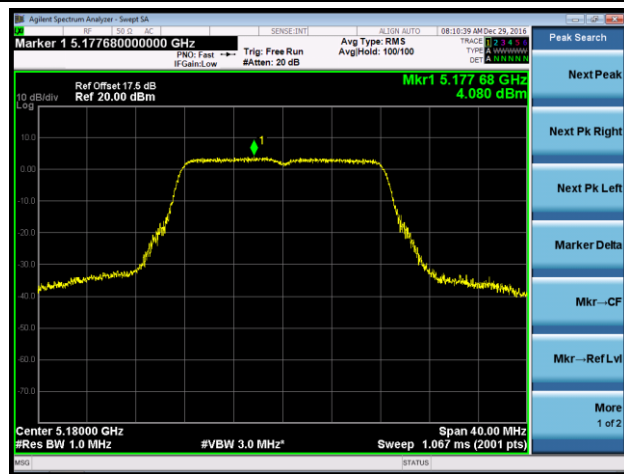
Channel 155 (5775MHz)



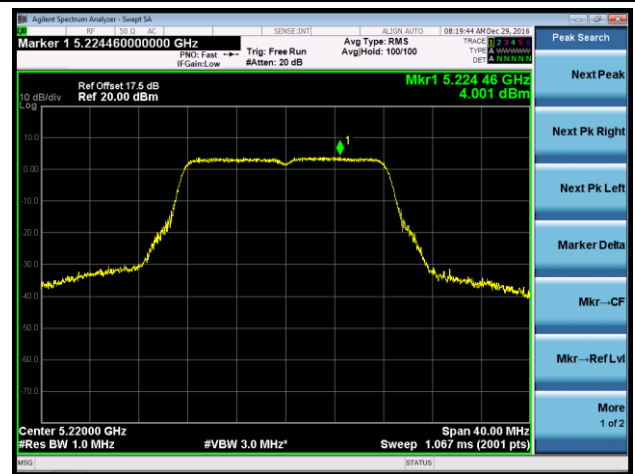
CDD Mode

802.11a Power Spectral Density - Ant 1 / Ant 1 + 2

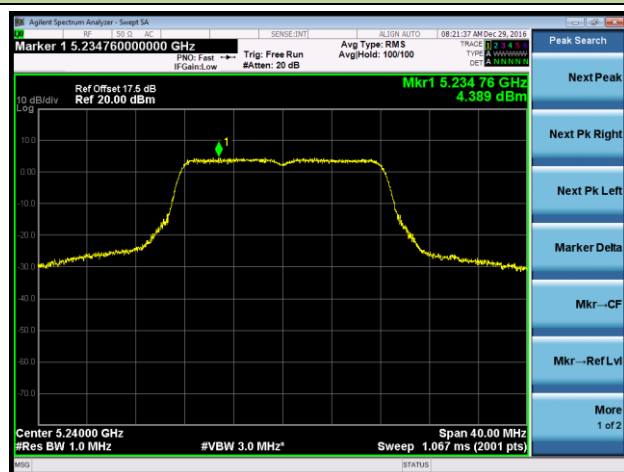
Channel 36 (5180MHz)



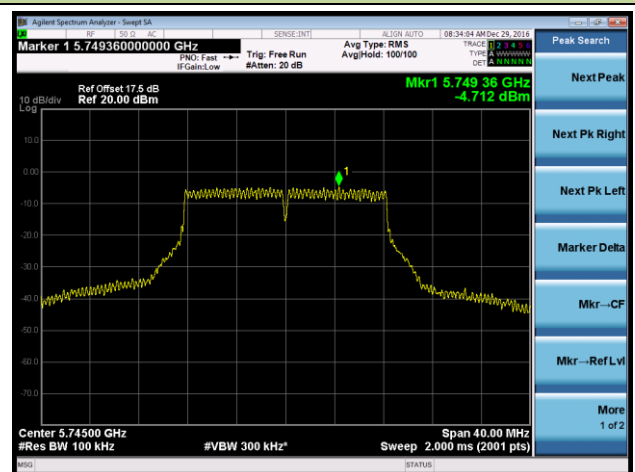
Channel 44 (5220MHz)



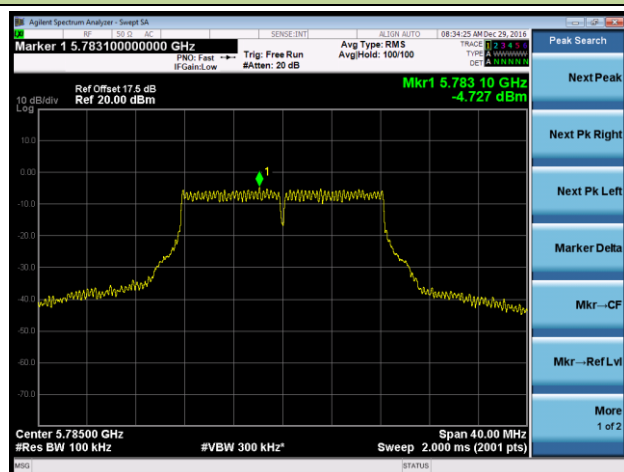
Channel 48 (5240MHz)



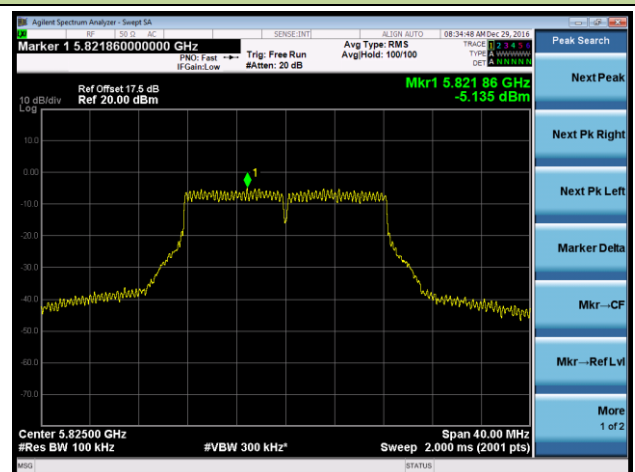
Channel 149 (5745MHz)



Channel 157 (5785MHz)

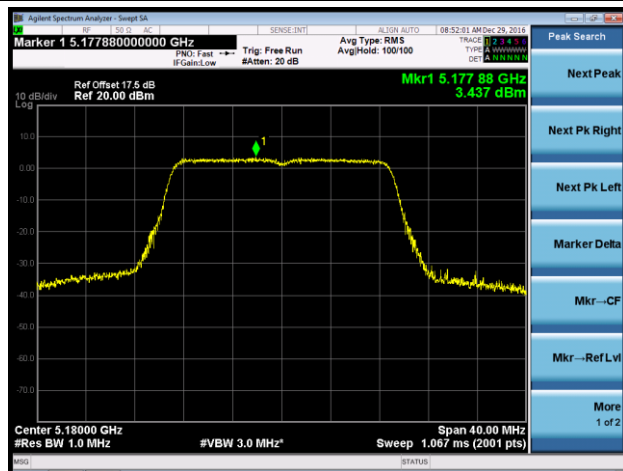


Channel 165 (5825MHz)

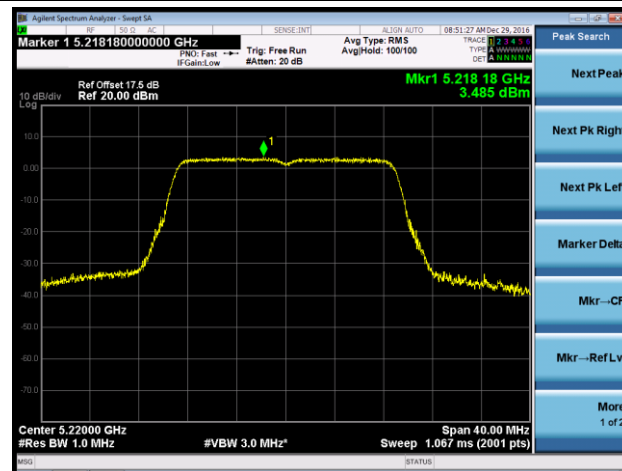


802.11n-HT20 Power Spectral Density - Ant 1 / Ant 1 + 2

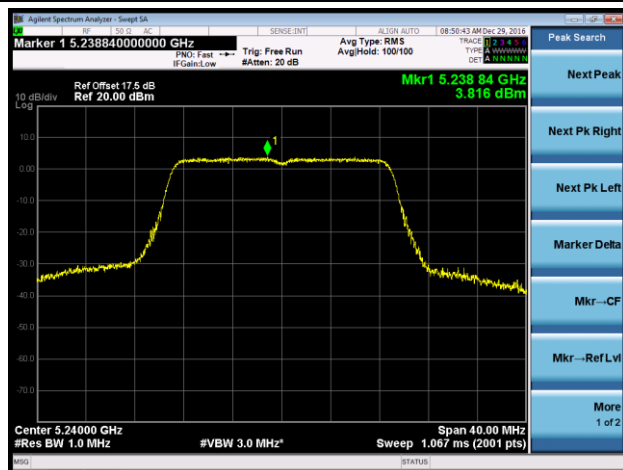
Channel 36 (5180MHz)



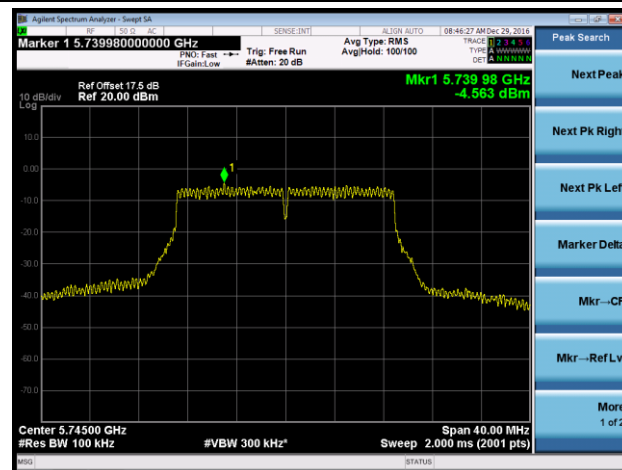
Channel 44 (5220MHz)



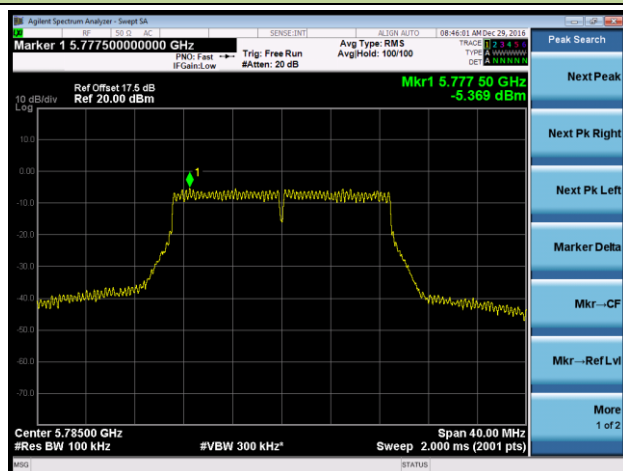
Channel 48 (5240MHz)



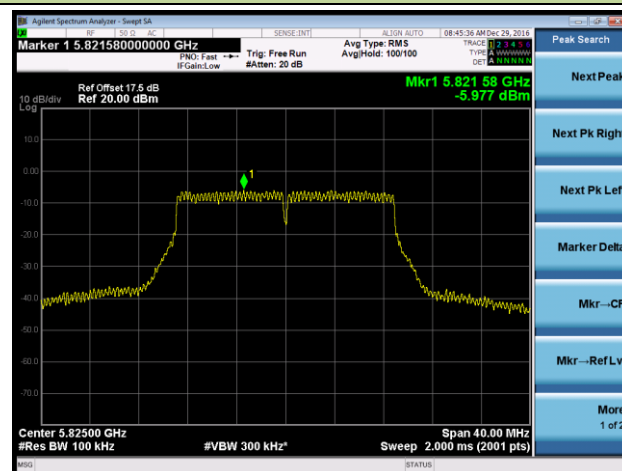
Channel 149 (5745MHz)



Channel 157 (5785MHz)

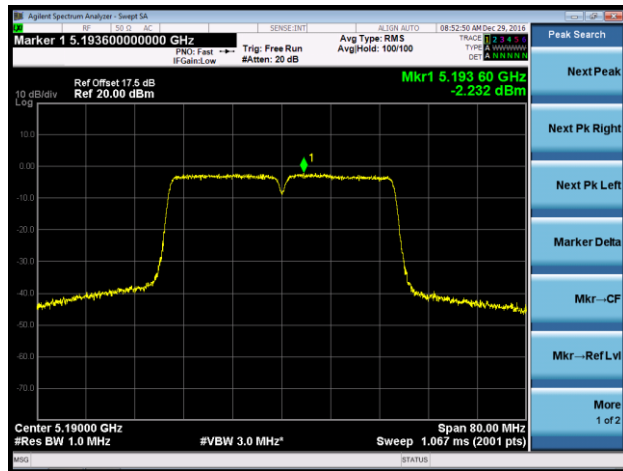


Channel 165 (5825MHz)

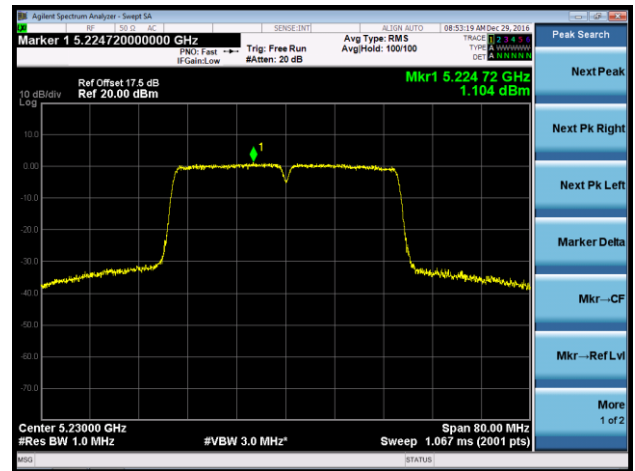


802.11n-HT40 Power Spectral Density - Ant 1 / Ant 1 + 2

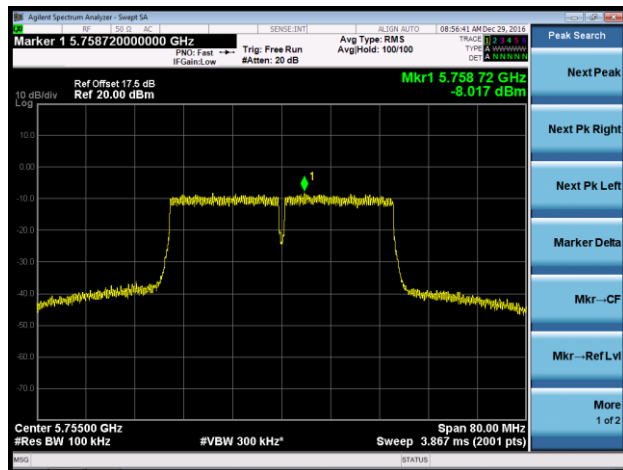
Channel 38 (5190MHz)



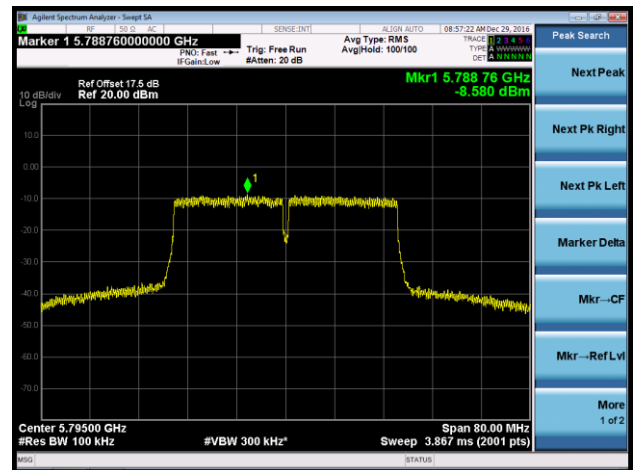
Channel 46 (5230MHz)



Channel 151 (5755MHz)

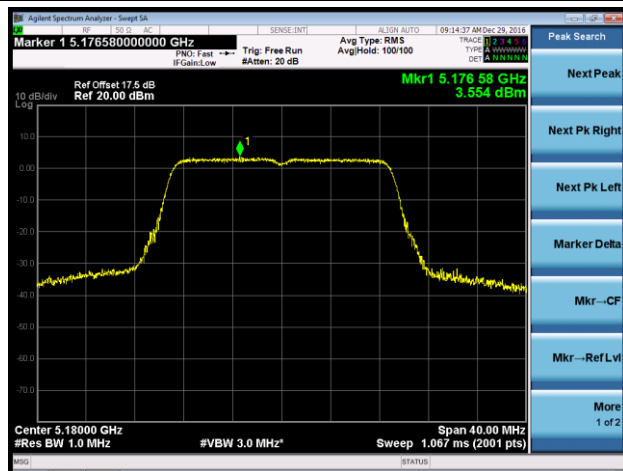


Channel 159 (5795MHz)

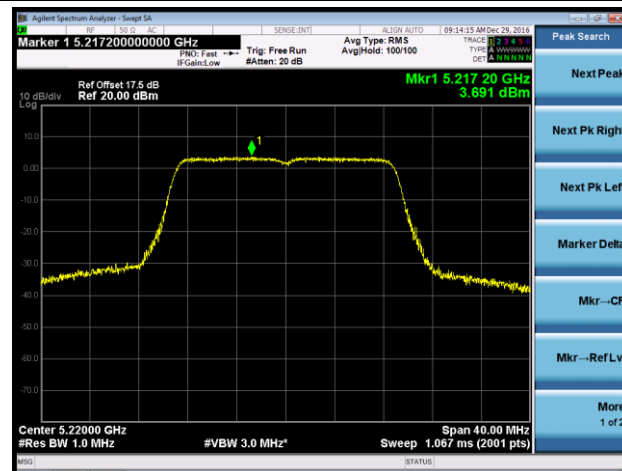


802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 1 + 2

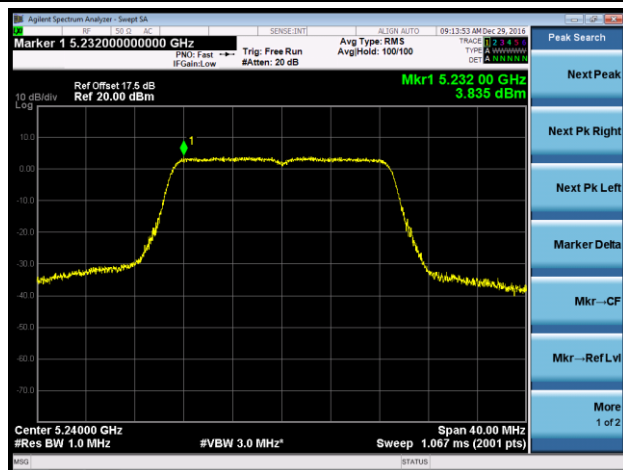
Channel 36 (5180MHz)



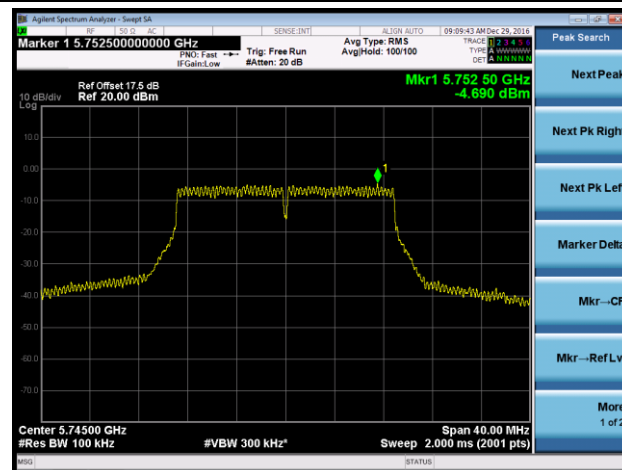
Channel 44 (5220MHz)



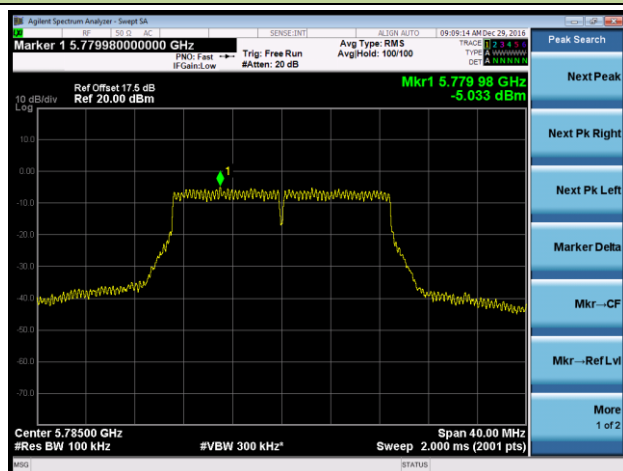
Channel 48 (5240MHz)



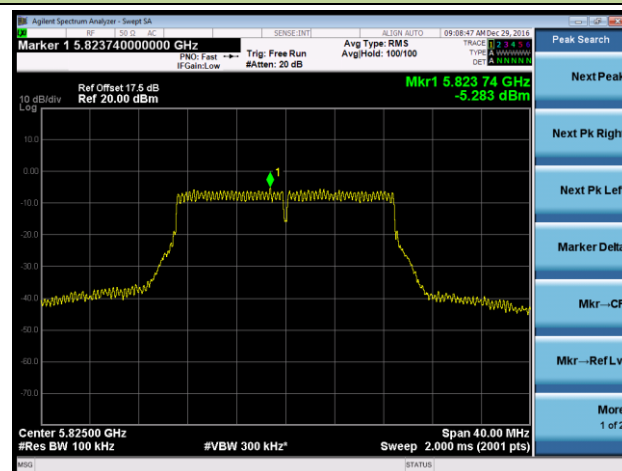
Channel 149 (5745MHz)



Channel 157 (5785MHz)

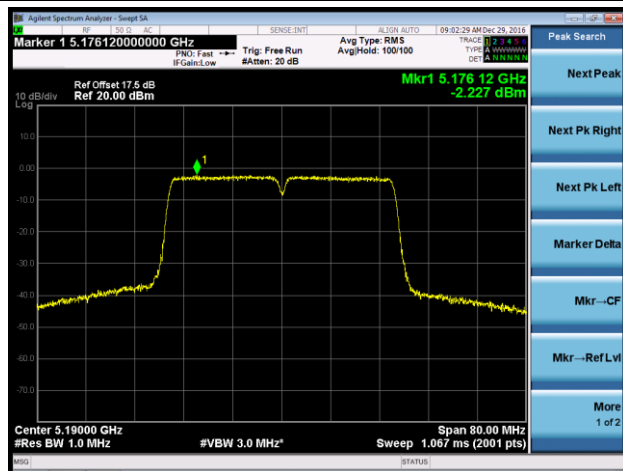


Channel 165 (5825MHz)

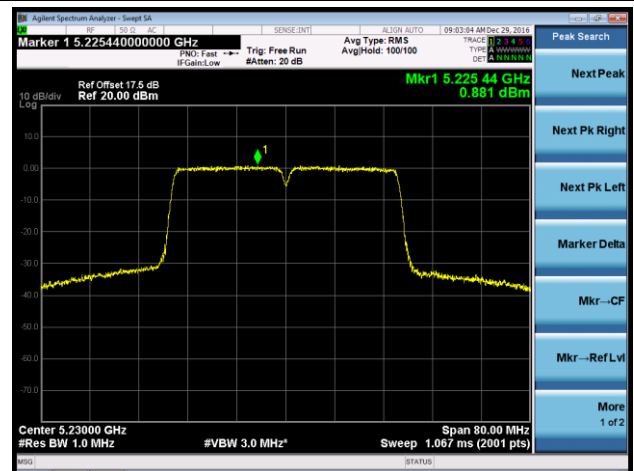


802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 1 + 2

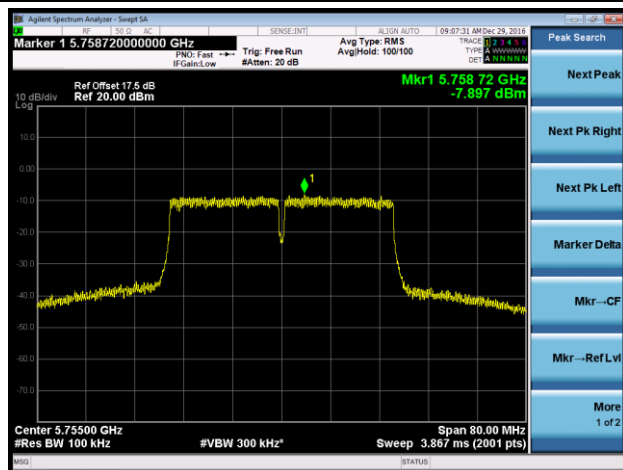
Channel 38 (5190MHz)



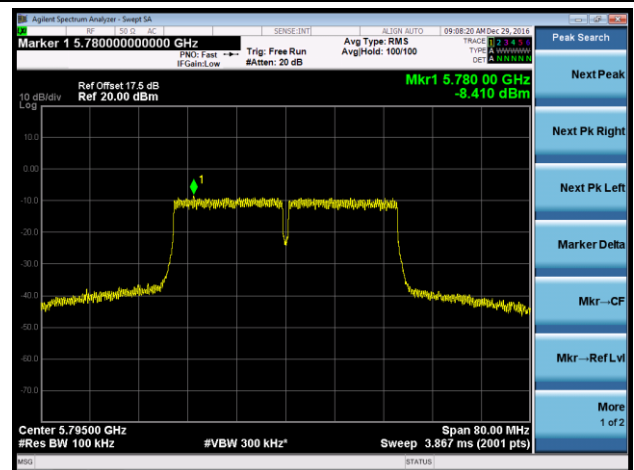
Channel 46 (5230MHz)



Channel 151 (5755MHz)

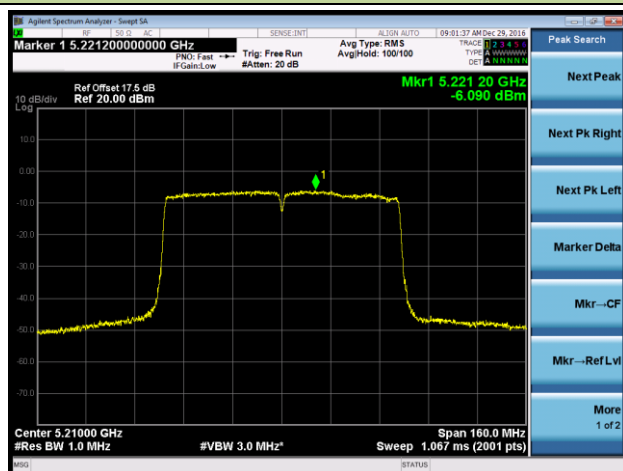


Channel 159 (5795MHz)

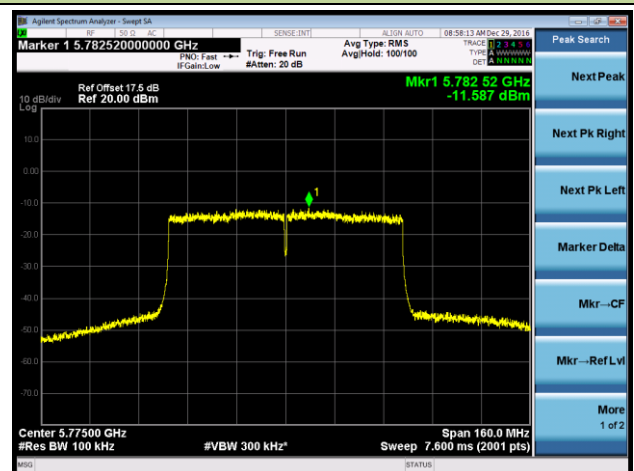


802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 1 + 2

Channel 42 (5210MHz)

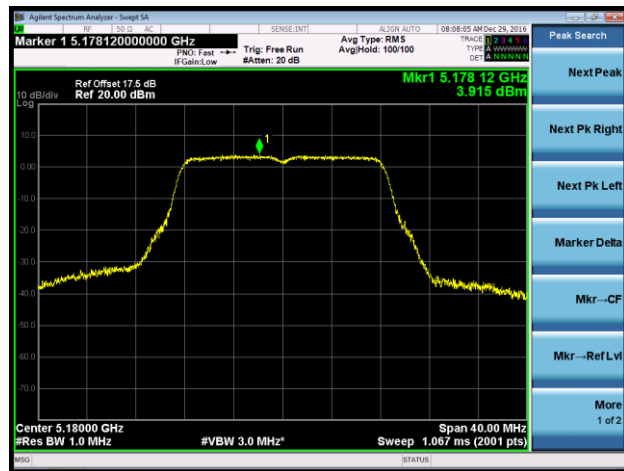


Channel 155 (5775MHz)

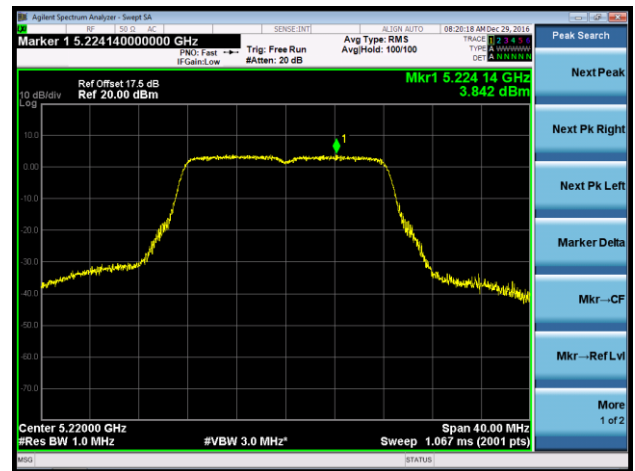


802.11a Power Spectral Density - Ant 2 / Ant 1 + 2

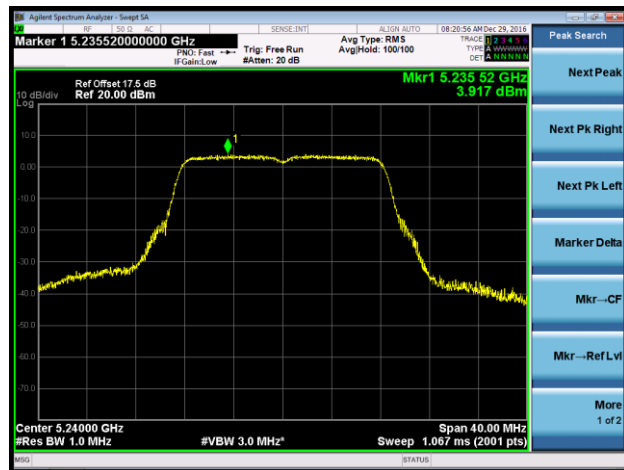
Channel 36 (5180MHz)



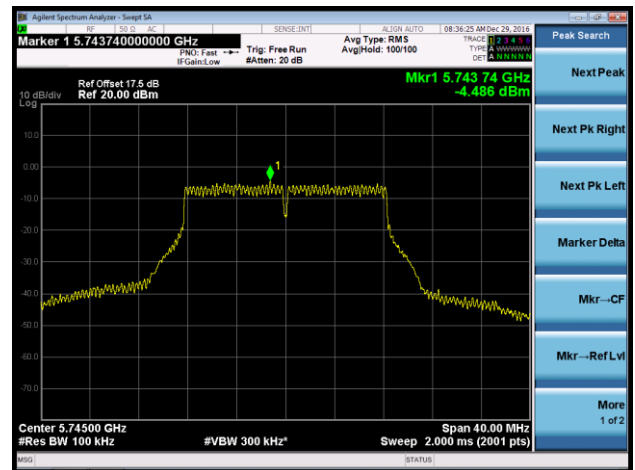
Channel 44 (5220MHz)



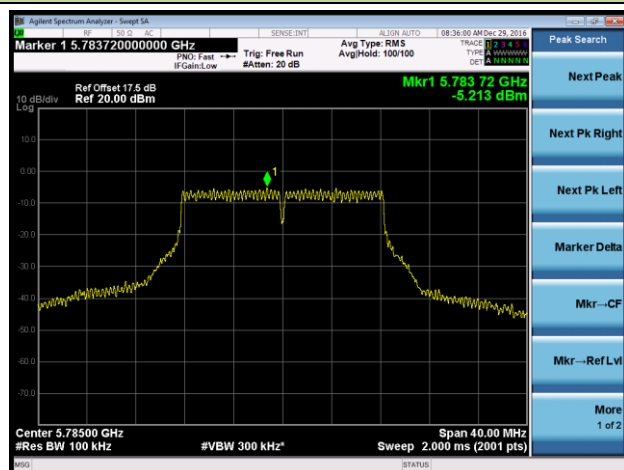
Channel 48 (5240MHz)



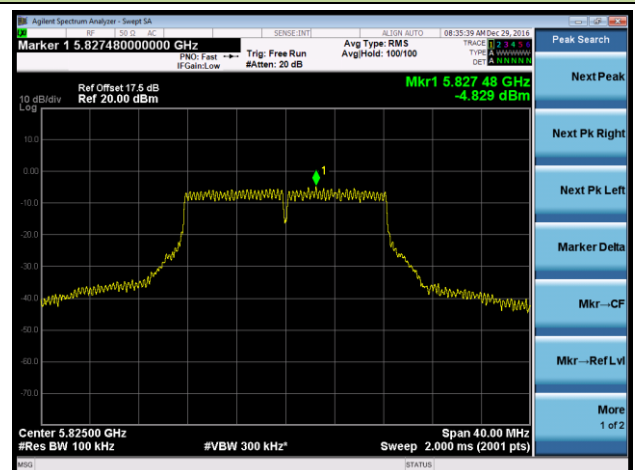
Channel 149 (5745MHz)



Channel 157 (5785MHz)

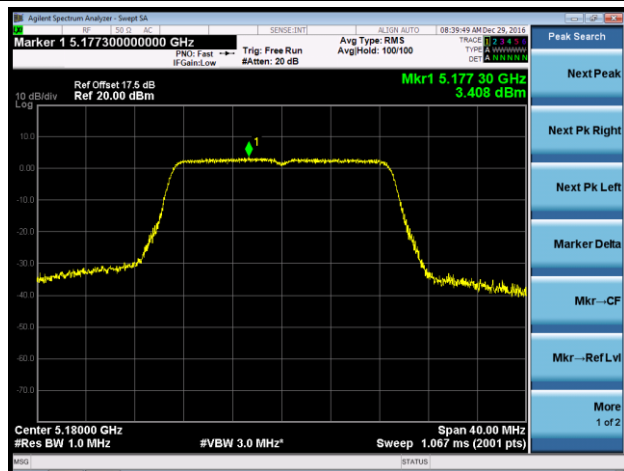


Channel 165 (5825MHz)

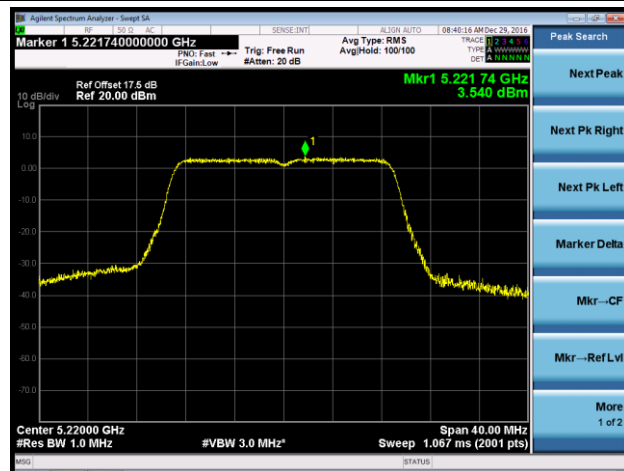


802.11n-HT20 Power Spectral Density - Ant 2 / Ant 1 + 2

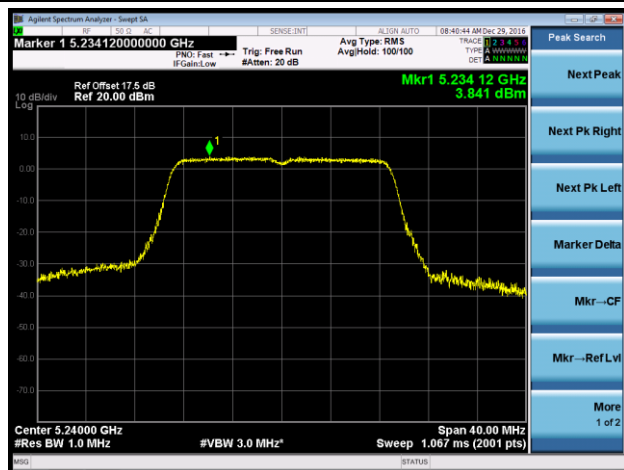
Channel 36 (5180MHz)



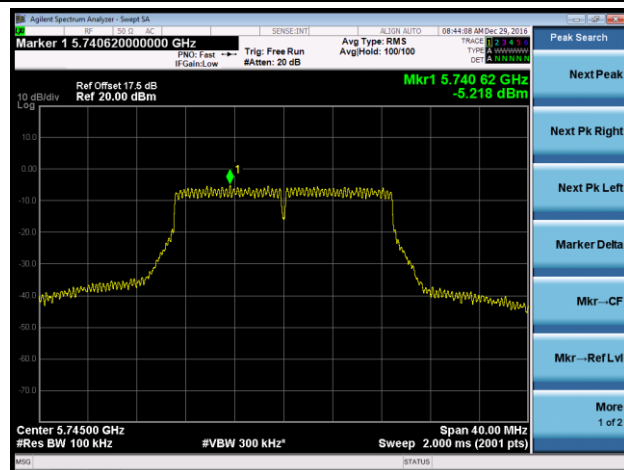
Channel 44 (5220MHz)



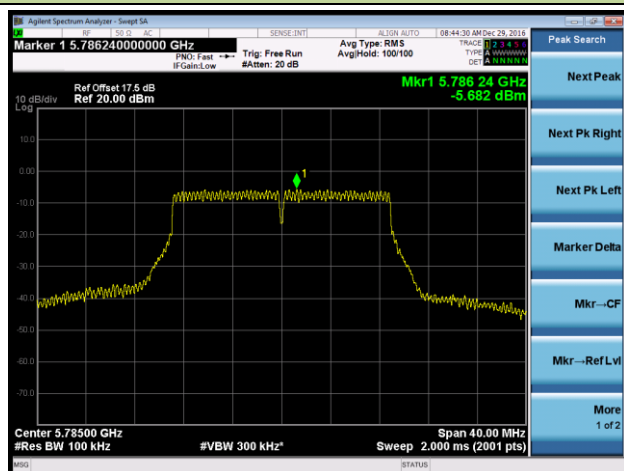
Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

