

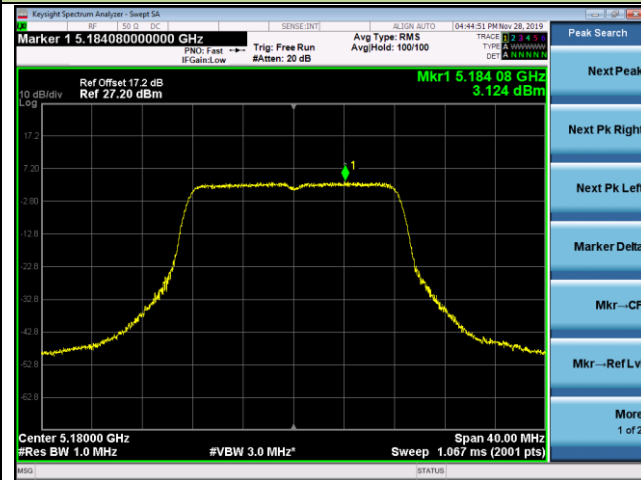
Product	OmniAccess Stellar	Temperature	22 ~ 25°C
Test Engineer	David Lv	Relative Humidity	46 ~ 54%
Test Site	TR3	Test Date	2019/10/12 ~ 2020/03/02
Model No.	OAW-AP1362 CDD Mode	Test Item	Power Spectral Density

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/100kHz)	Ant 1 PSD (dBm/100kHz)	Ant 2 PSD (dBm/100kHz)	Ant 3 PSD (dBm/100kHz)	Duty Cycle (%)	Constant Factor (dB)	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
11a	6Mbps	149	5745	1.97	1.52	1.60	1.78	92.26	6.99	15.08	≤ 22.98	Pass
11a	6Mbps	157	5785	1.79	1.46	2.60	1.85	92.26	6.99	15.31	≤ 22.98	Pass
11a	6Mbps	165	5825	1.62	1.56	1.60	1.62	92.26	6.99	14.96	≤ 22.98	Pass
11n-HT20	MCS0	149	5745	1.90	1.77	1.34	2.28	95.01	6.99	15.07	≤ 22.98	Pass
11n-HT20	MCS0	157	5785	2.12	1.73	0.84	2.64	95.01	6.99	15.11	≤ 22.98	Pass
11n-HT20	MCS0	165	5825	0.98	1.07	1.45	1.57	95.01	6.99	14.51	≤ 22.98	Pass
11n-HT40	MCS0	151	5755	-1.47	-1.69	-1.45	-0.92	91.60	6.99	12.02	≤ 22.98	Pass
11n-HT40	MCS0	159	5795	-1.36	-1.99	-1.84	-0.54	91.60	6.99	12.00	≤ 22.98	Pass
11ax-HE20	MCS0	149	5745	1.11	0.82	1.08	1.29	95.03	6.99	14.31	≤ 22.98	Pass
11ax-HE20	MCS0	157	5785	0.64	0.38	0.47	1.25	95.03	6.99	13.93	≤ 22.98	Pass
11ax-HE20	MCS0	165	5825	0.74	-0.32	0.26	0.60	95.03	6.99	13.57	≤ 22.98	Pass
11ax-HE40	MCS0	151	5755	-1.54	-2.28	-1.96	-1.14	96.02	6.99	11.48	≤ 22.98	Pass
11ax-HE40	MCS0	159	5795	-1.91	-2.68	-2.54	-1.95	96.02	6.99	10.93	≤ 22.98	Pass
11ax-HE80	MCS0	155	5775	-5.30	-5.44	-4.58	-4.68	94.27	6.99	8.28	≤ 22.98	Pass

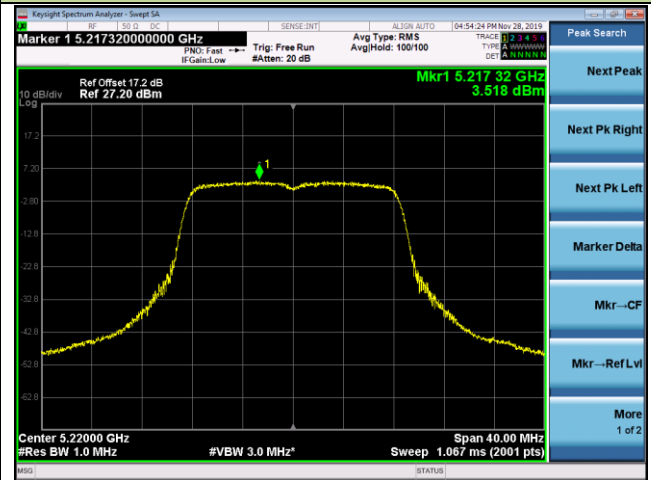
Note: When EUT duty cycle < 98%, the total PSD (dBm/500kHz) = $10 \cdot \log \{ 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)} + 10^{(\text{Ant 4 PSD}/10)} \}$ (dBm/100kHz) + Constant Factor + $10 \cdot \log (1/\text{Duty Cycle})$.

802.11a Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

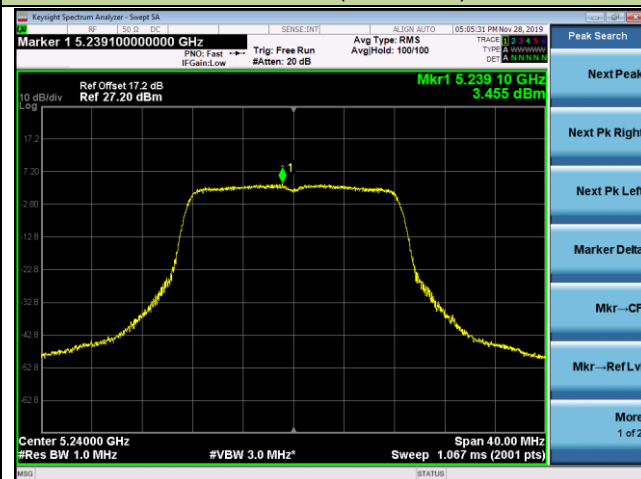
Channel 36 (5180MHz)



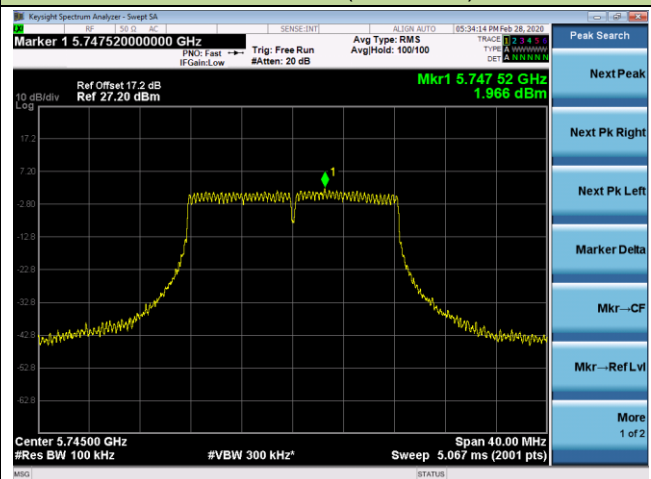
Channel 44 (5220MHz)



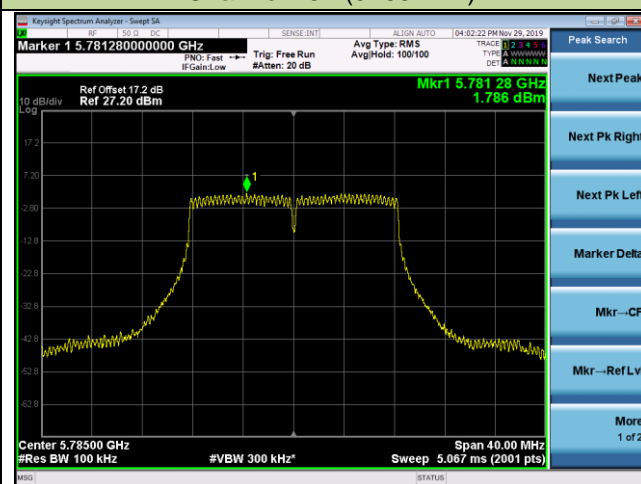
Channel 48 (5240MHz)



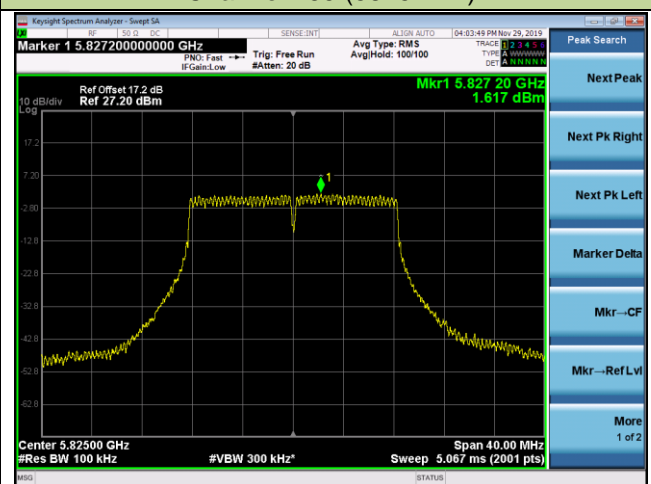
Channel 149 (5745MHz)



Channel 157 (5785MHz)

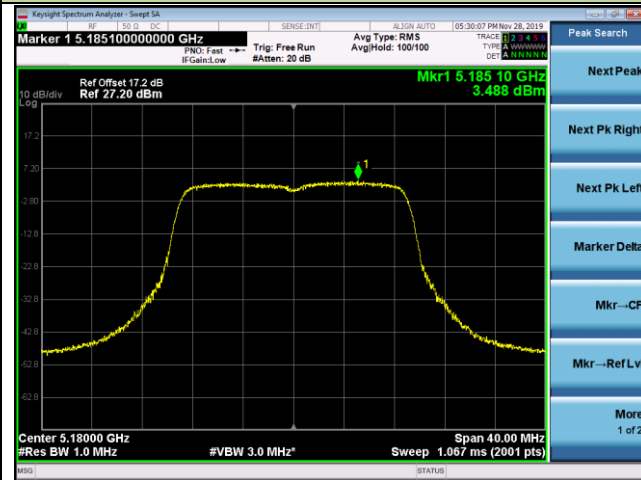


Channel 165 (5825MHz)

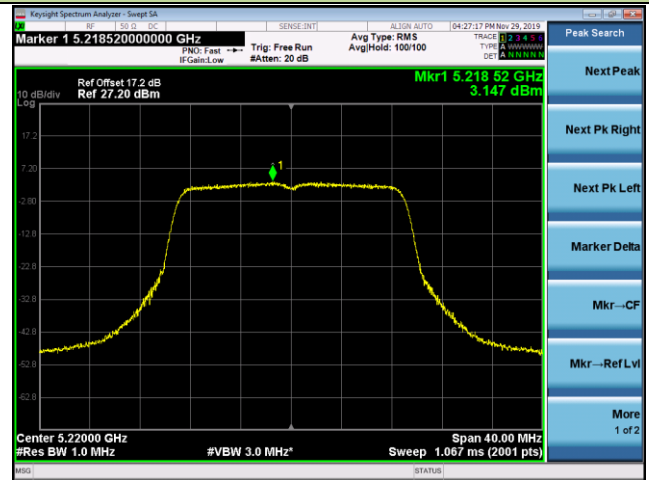


802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

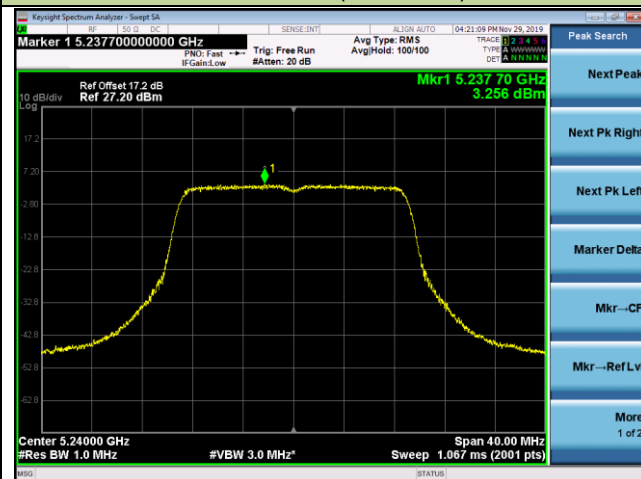
Channel 36 (5180MHz)



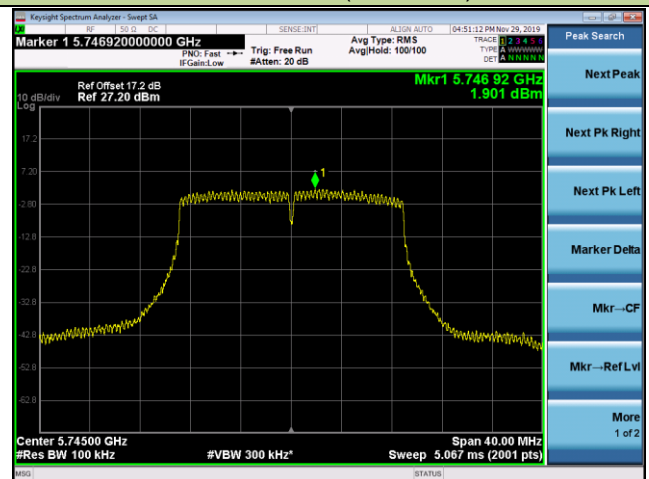
Channel 44 (5220MHz)



Channel 48 (5240MHz)



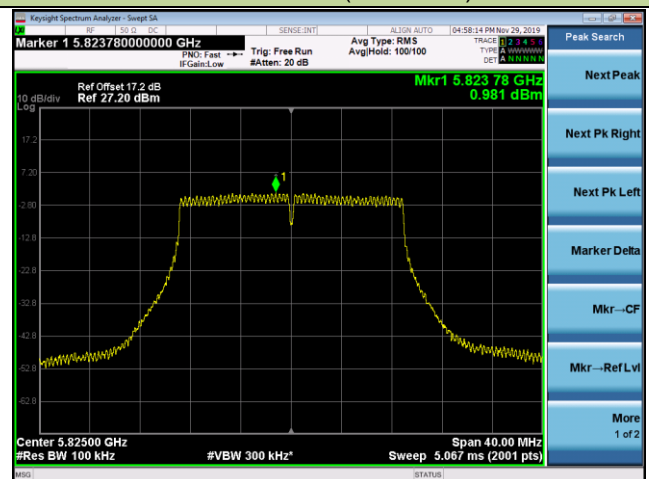
Channel 149 (5745MHz)



Channel 157 (5785MHz)

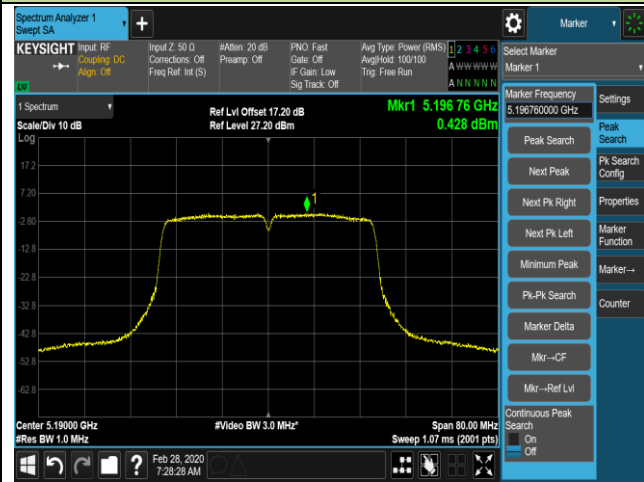


Channel 165 (5825MHz)

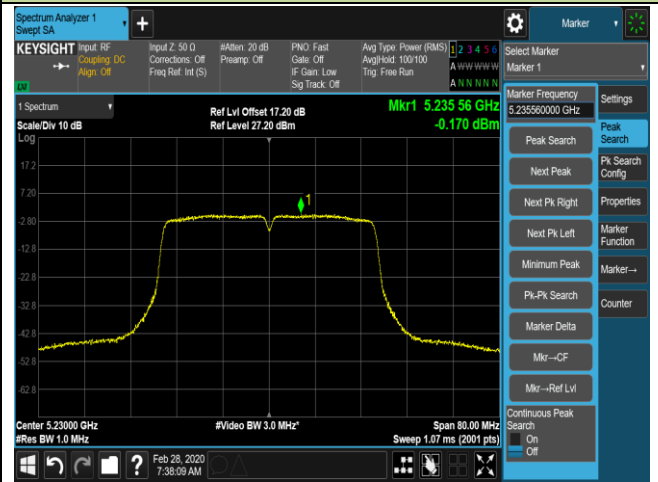


802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

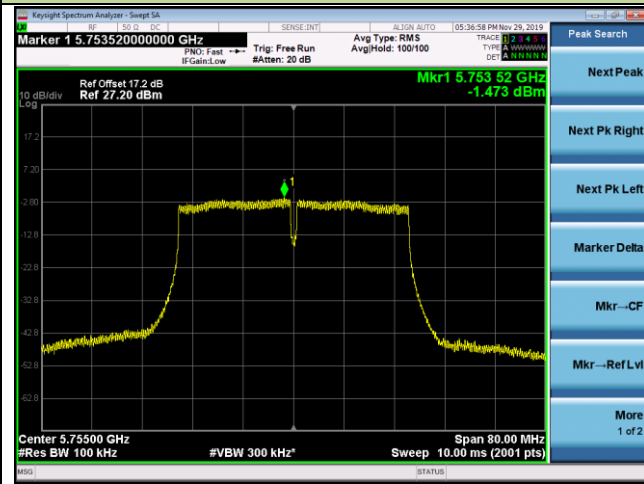
Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 151 (5755MHz)

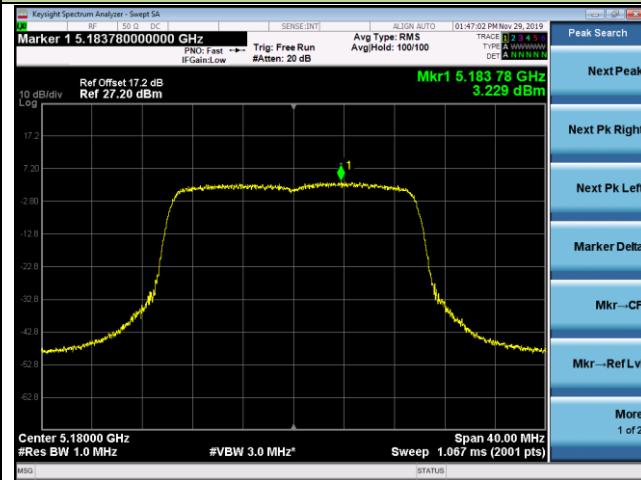


Channel 159 (5795MHz)

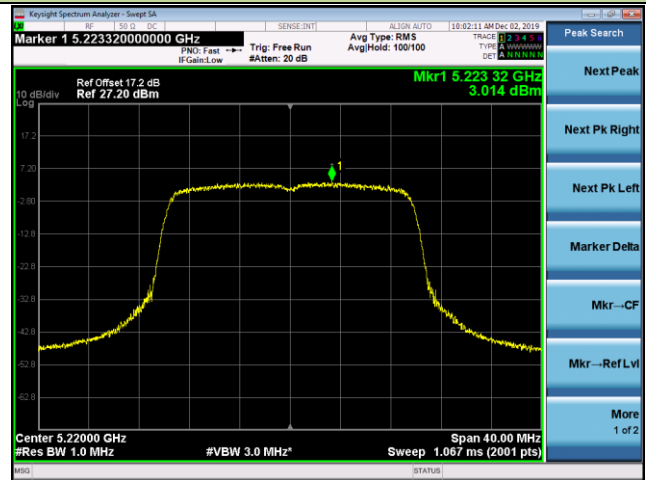


802.11ax-HE20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

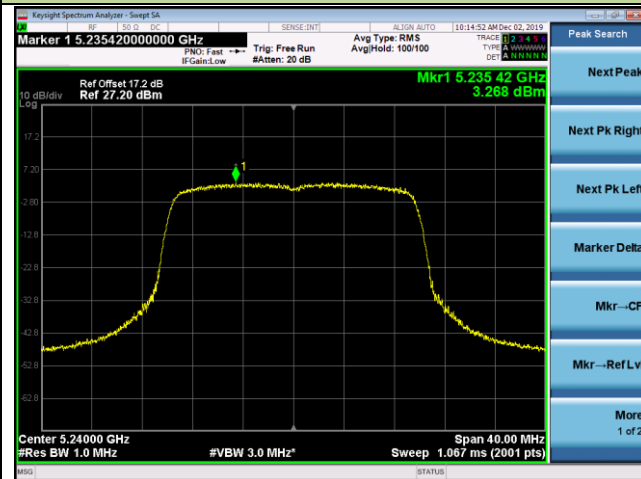
Channel 36 (5180MHz)



Channel 44 (5220MHz)



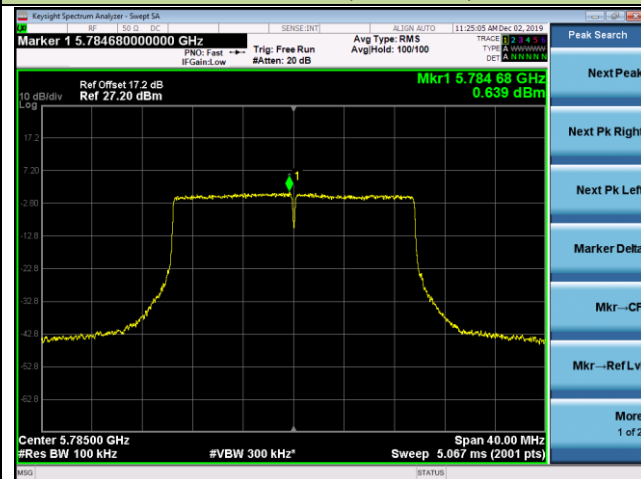
Channel 48 (5240MHz)



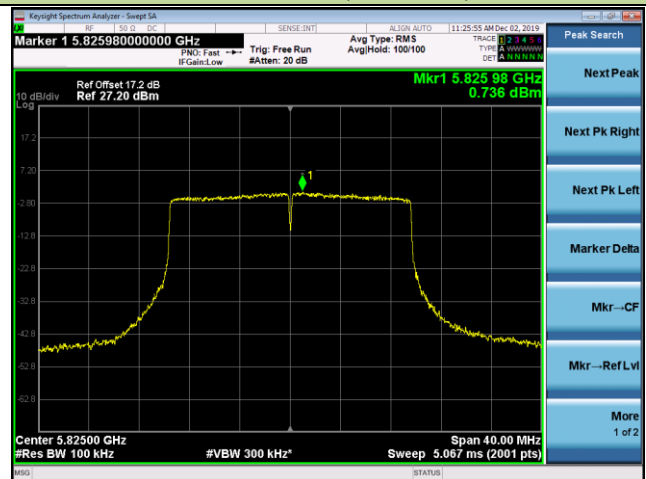
Channel 149 (5745MHz)



Channel 157 (5785MHz)

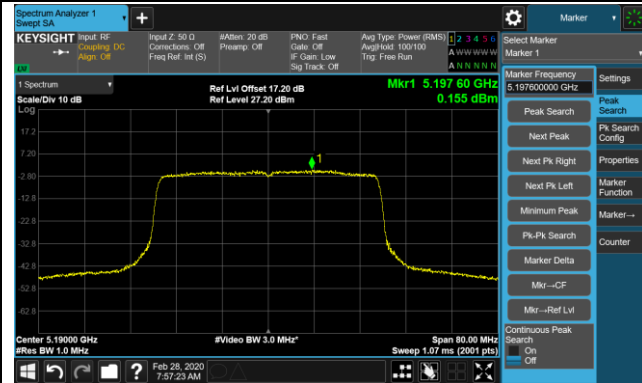


Channel 165 (5825MHz)

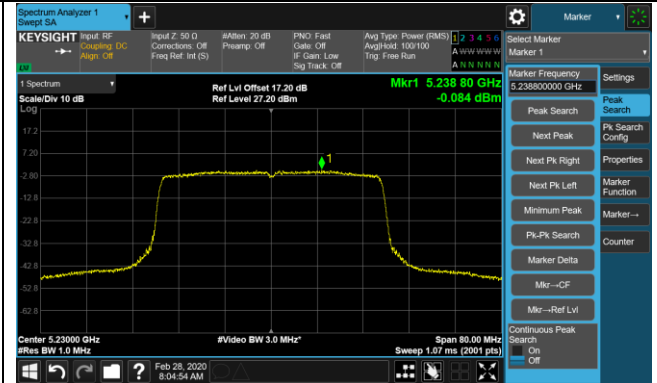


802.11ax-HE40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 151 (5755MHz)

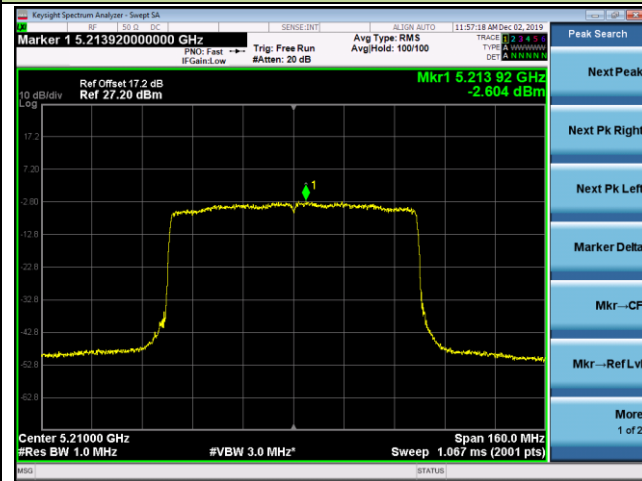


Channel 159 (5795MHz)



802.11ax-HE80 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)

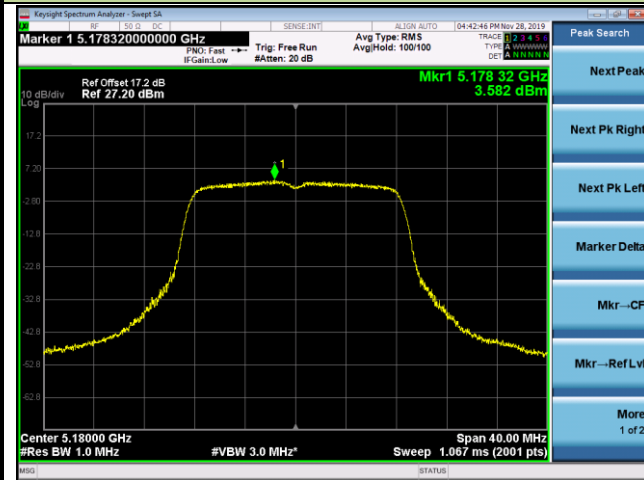


Channel 155 (5775MHz)

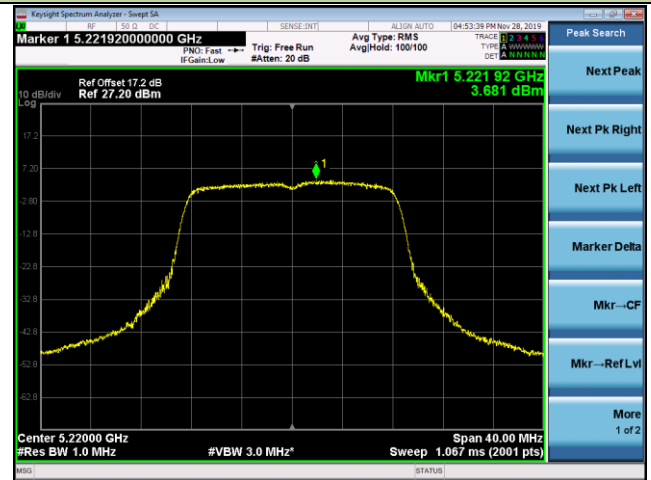


802.11a Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

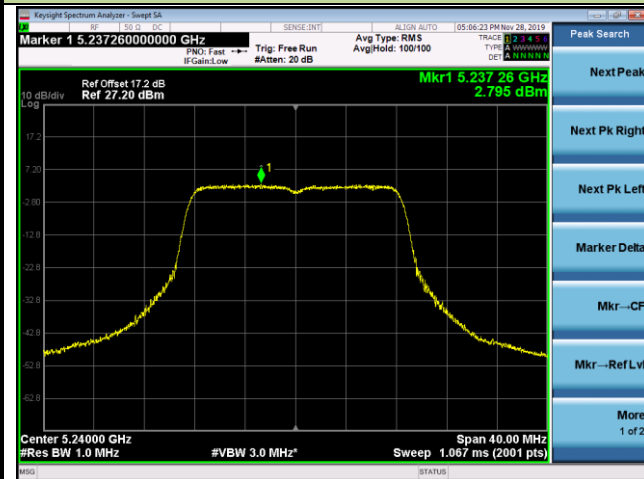
Channel 36 (5180MHz)



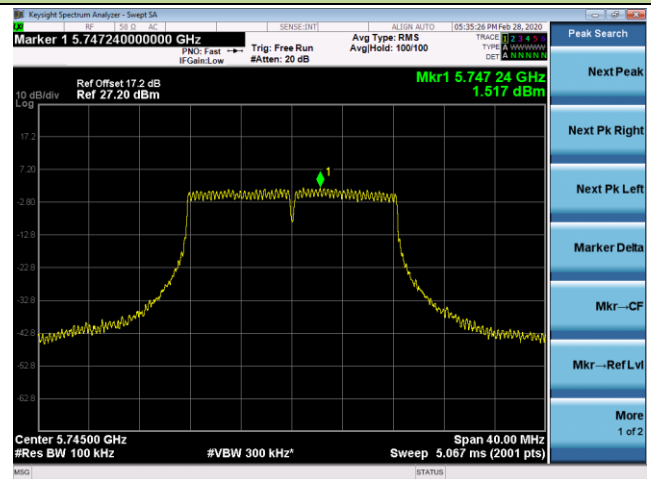
Channel 44 (5220MHz)



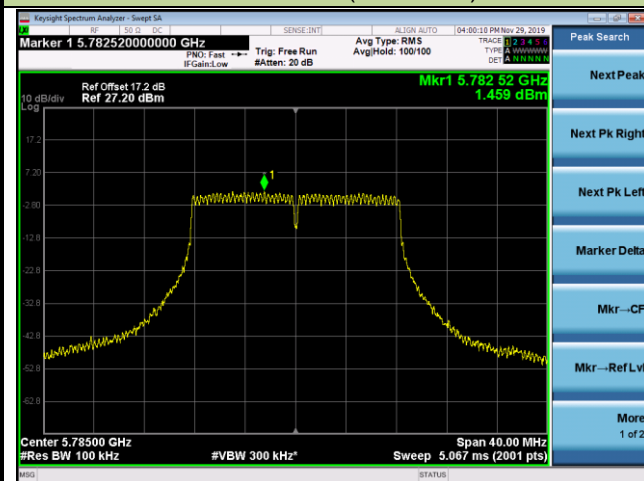
Channel 48 (5240MHz)



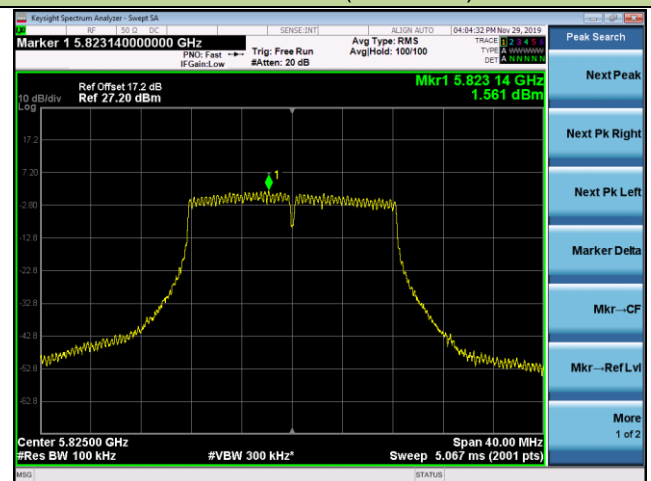
Channel 149 (5745MHz)



Channel 157 (5785MHz)

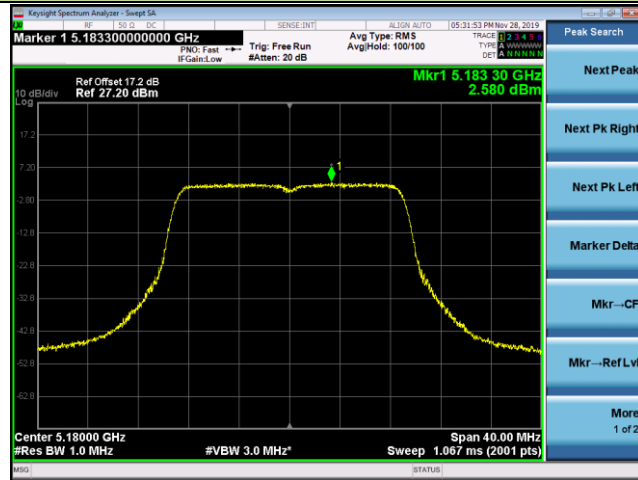


Channel 165 (5825MHz)

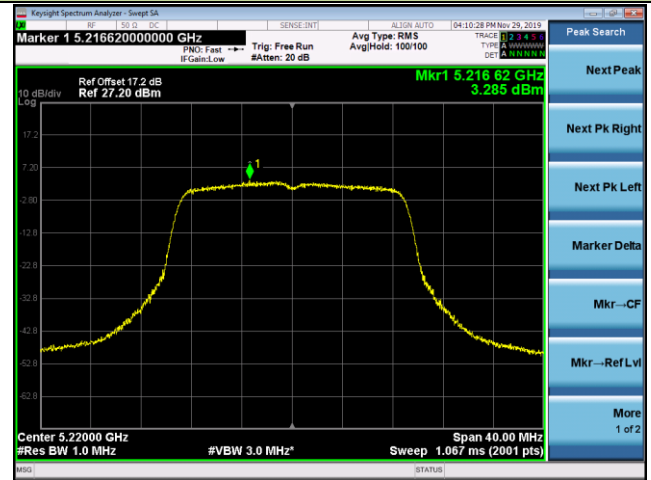


802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

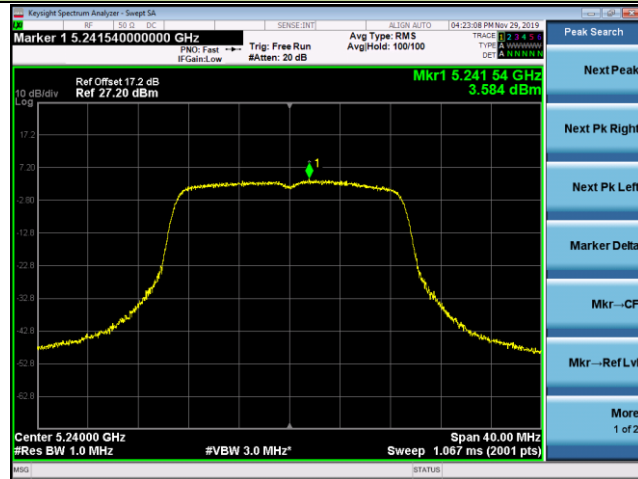
Channel 36 (5180MHz)



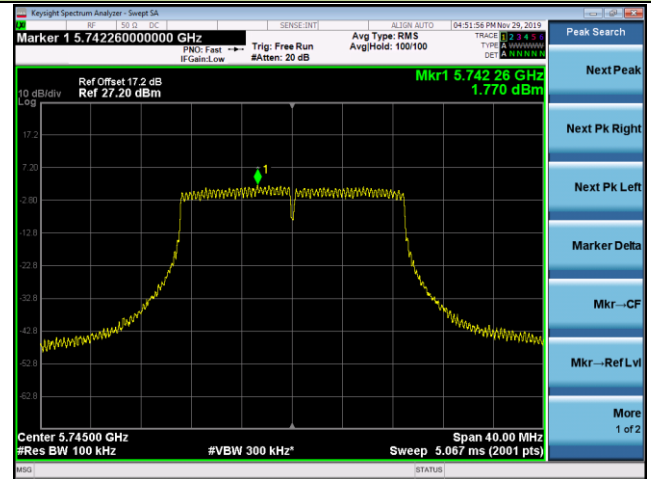
Channel 44 (5220MHz)



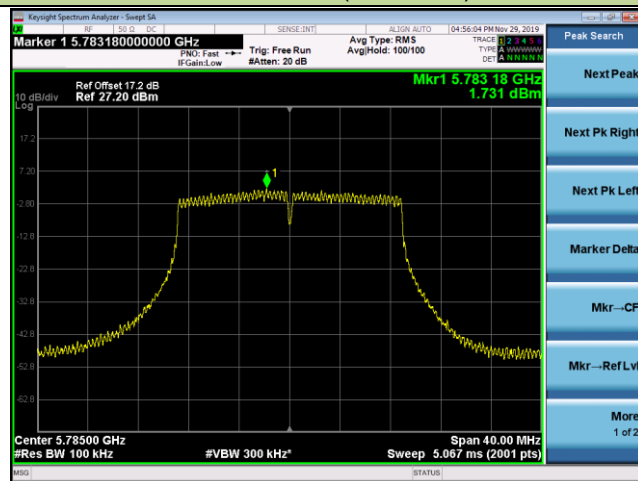
Channel 48 (5240MHz)



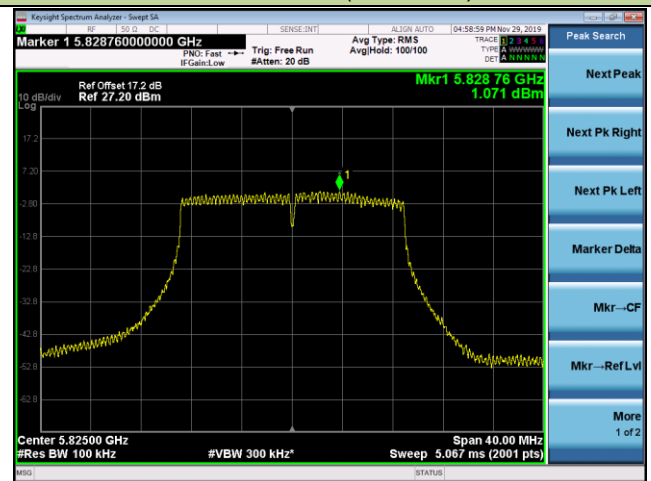
Channel 149 (5745MHz)



Channel 157 (5785MHz)



Channel 165 (5825MHz)

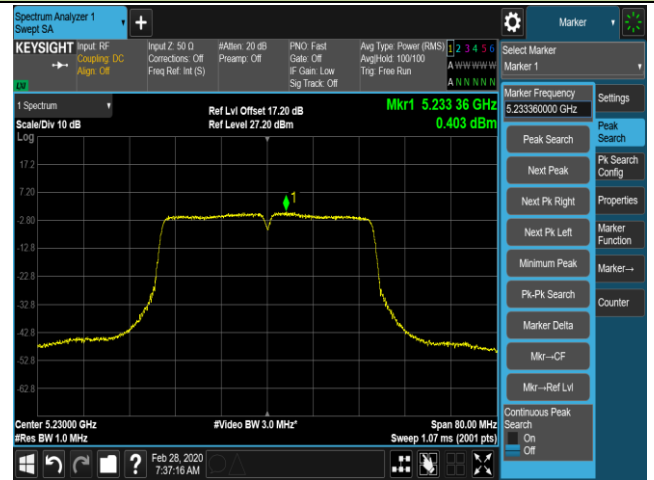


802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

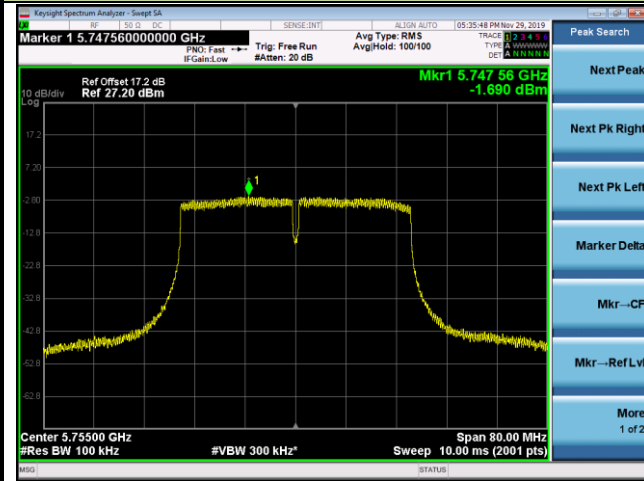
Channel 38 (5190MHz)



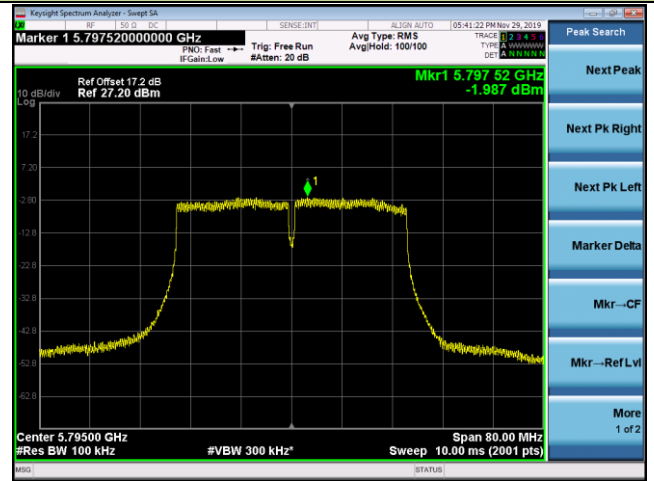
Channel 46 (5230MHz)



Channel 151 (5755MHz)

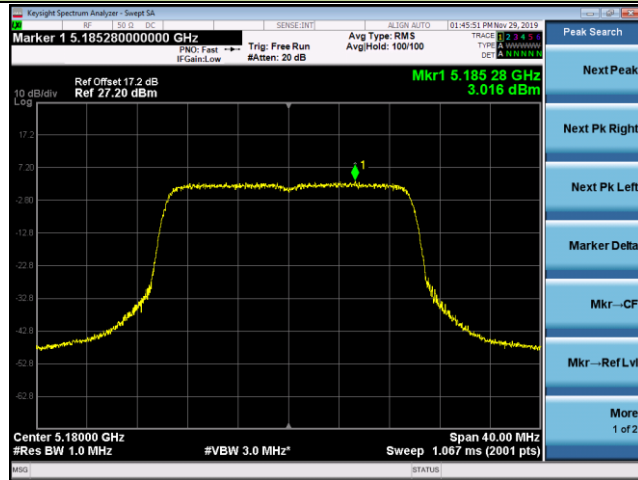


Channel 159 (5795MHz)

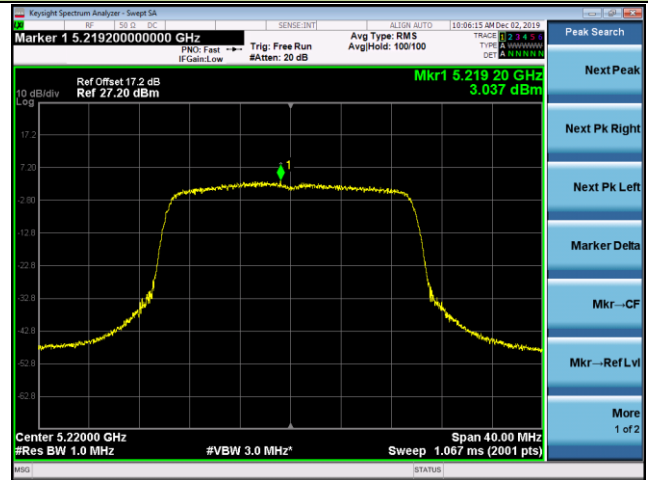


802.11ax-HE20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

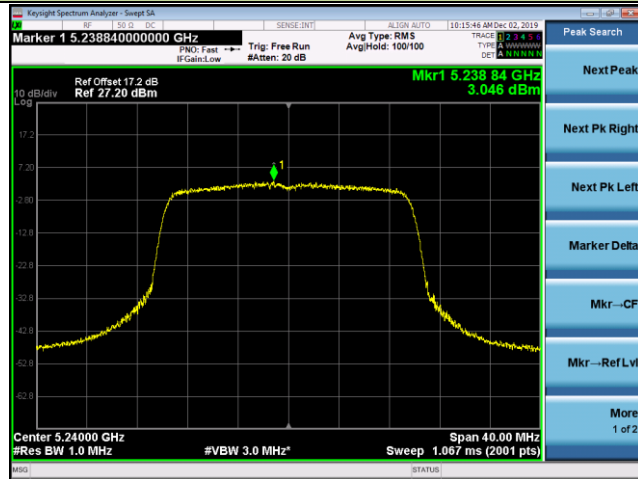
Channel 36 (5180MHz)



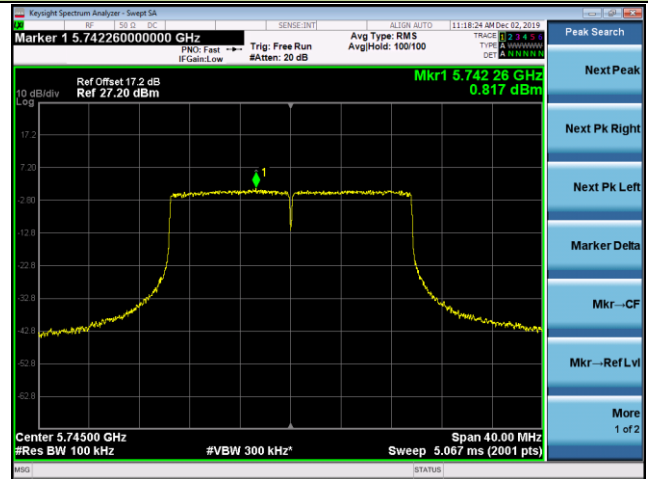
Channel 44 (5220MHz)



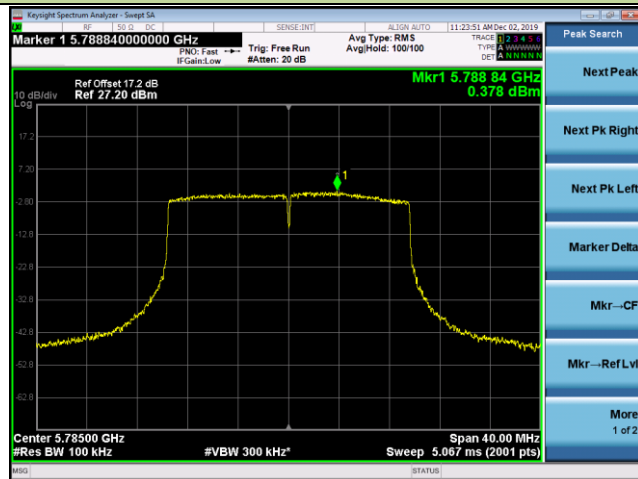
Channel 48 (5240MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)

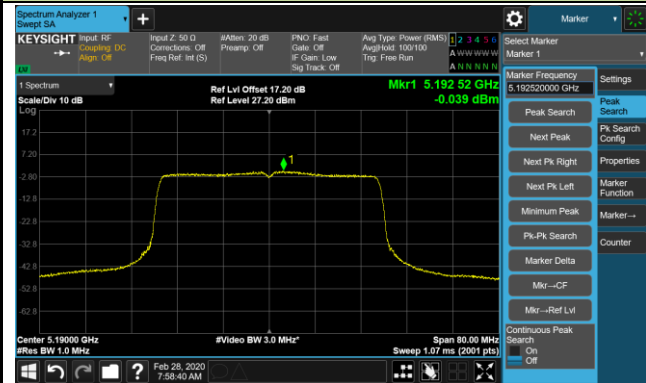


Channel 165 (5825MHz)

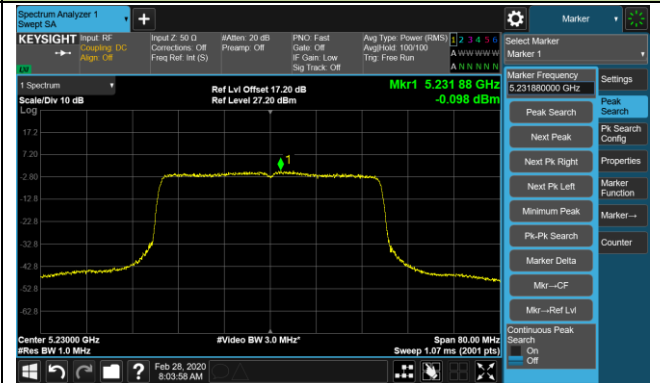


802.11ax-HE40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

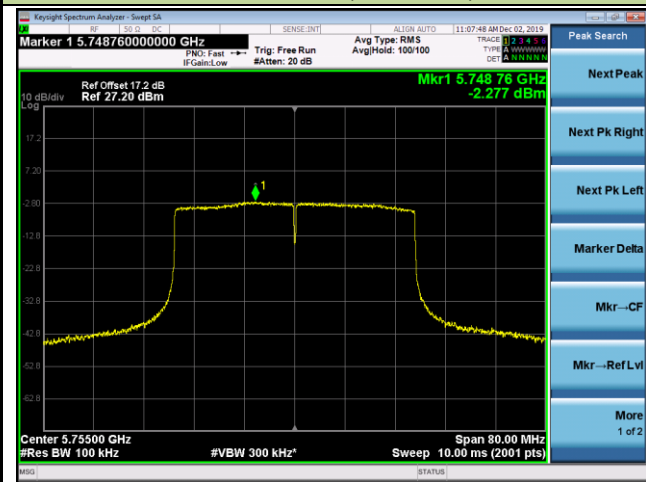
Channel 38 (5190MHz)



Channel 46 (5230MHz)



Channel 151 (5755MHz)

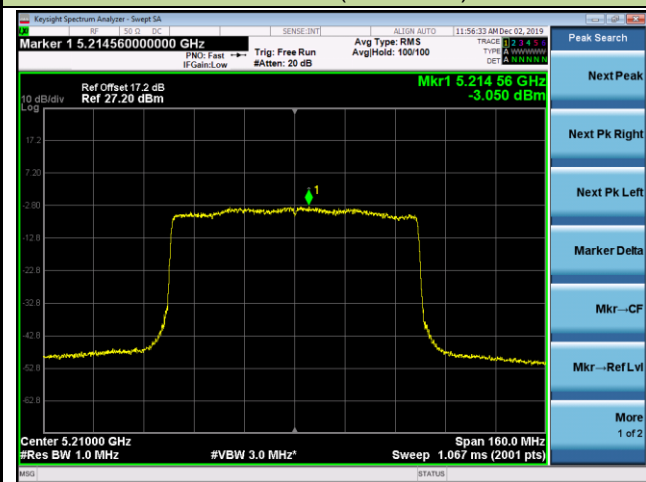


Channel 159 (5795MHz)



802.11ax-HE80 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

Channel 42 (5210MHz)



Channel 155 (5775MHz)

