

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

Channel 100 (5500MHz)



Channel 116 (5580MHz)



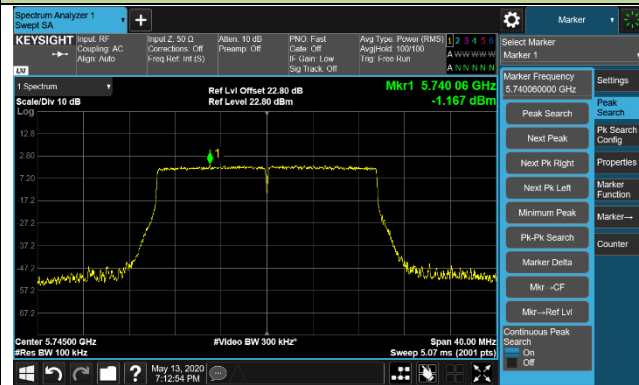
Channel 140 (5700MHz)



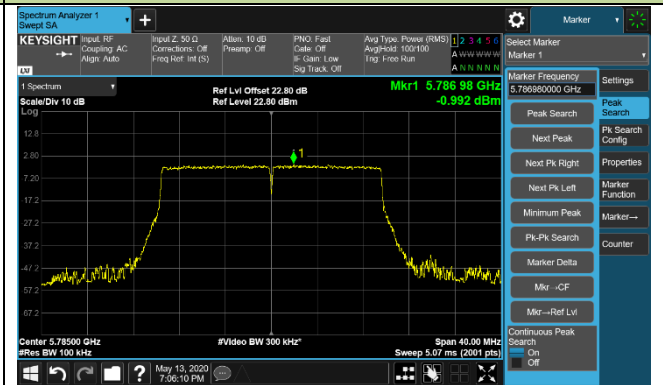
Channel 144 (5720MHz)



Channel 149 (5745MHz)



Channel 157 (5785MHz)

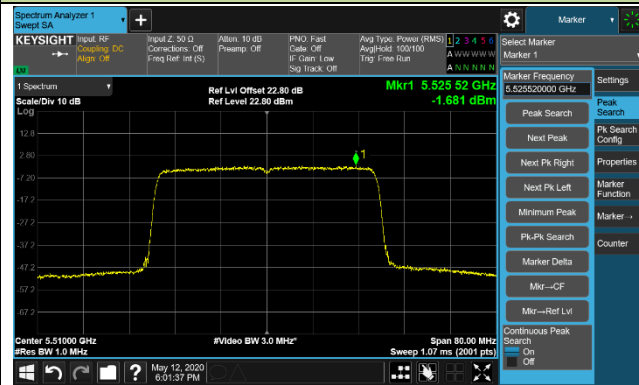


Channel 165 (5825MHz)

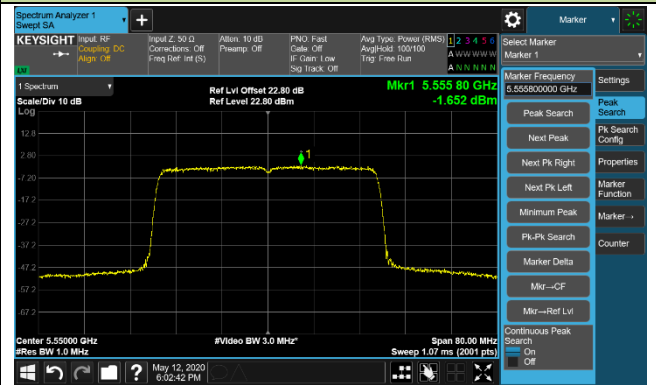


802.11ax-HE40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

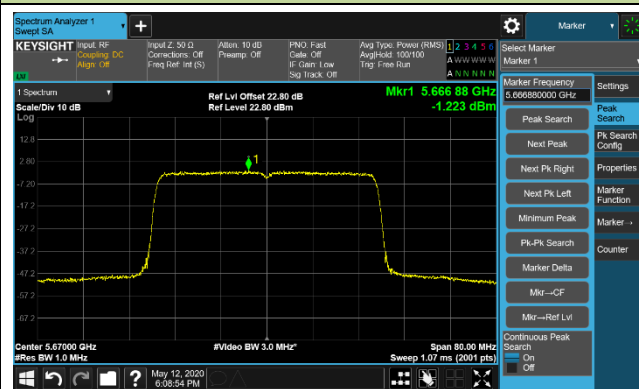
Channel 102 (5510MHz)



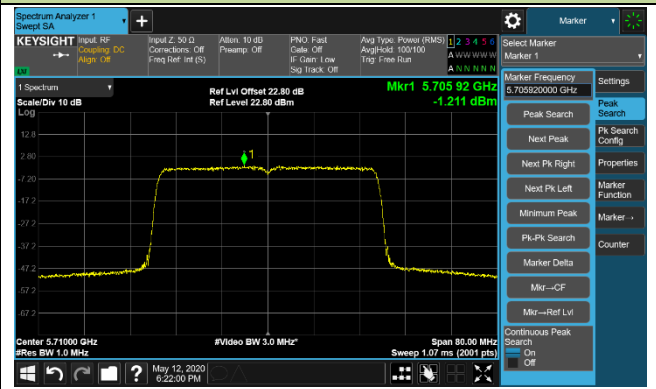
Channel 110 (5550MHz)



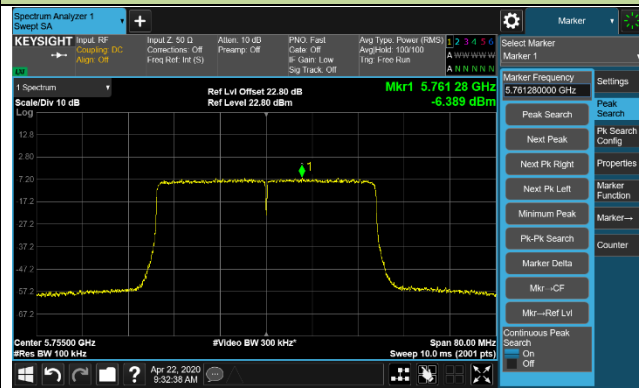
Channel 134 (5670MHz)



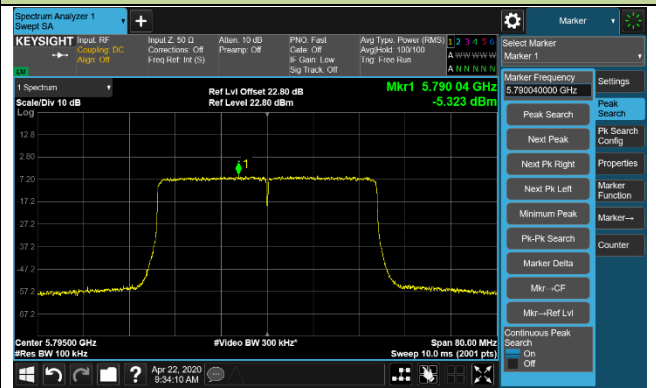
Channel 142 (5710MHz)



Channel 151 (5755MHz)

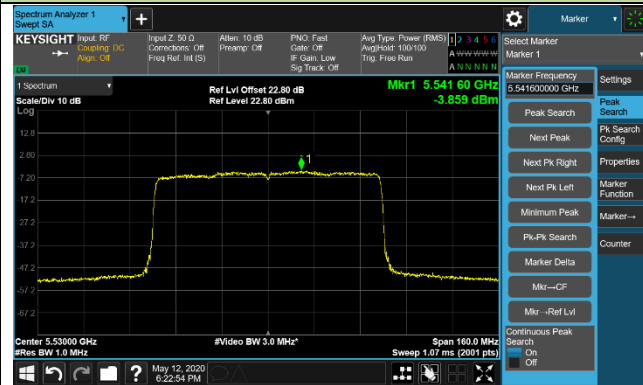


Channel 159 (5795MHz)

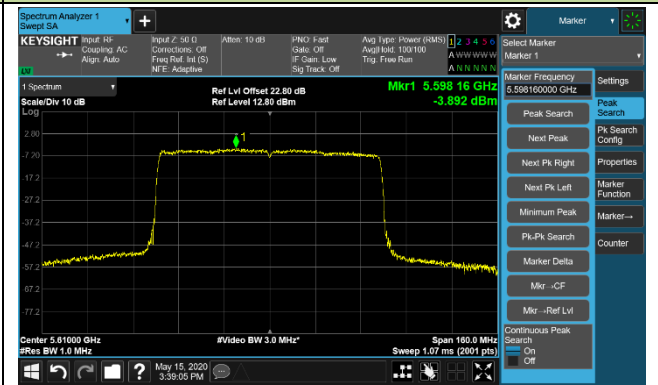


802.11ax-HE80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

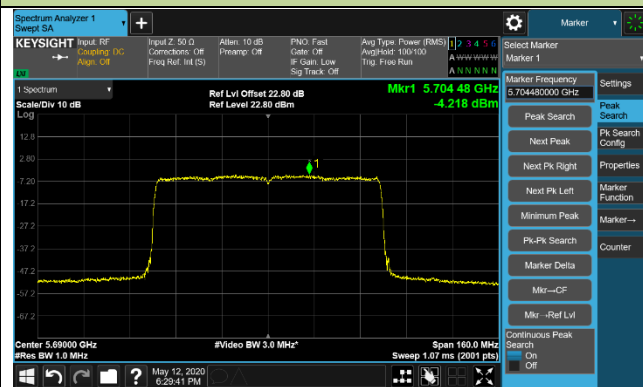
Channel 106 (5530MHz)



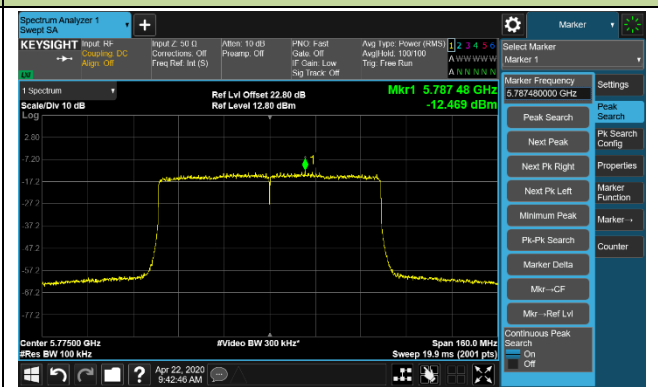
Channel 122 (5610MHz)



Channel 138 (5690MHz)

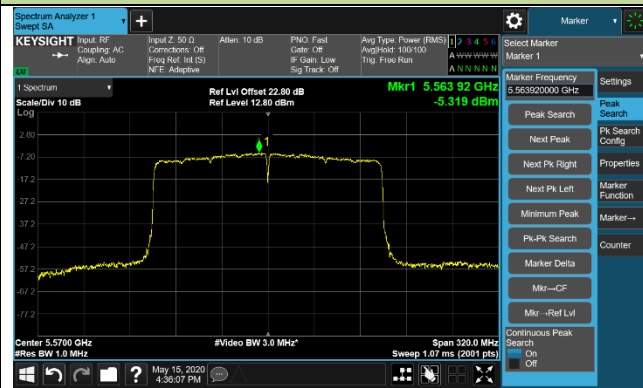


Channel 155 (5775MHz)



802.11ax-HE160 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3

Channel 114 (5570MHz)



Product	AX6600 Tri-Band Wi-Fi 6 Router	Temperature	23 ~ 25°C
Test Engineer	Kevin Ker	Relative Humidity	40 ~ 56%
Test Site	SR1	Test Date	2020/04/16
Mode	Power Spectral Density (U-NII- 2C) CDD Mode N _{SS} =2		

Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT20	MCS0	100	5500	4.33	4.97	4.35	4.47	97.05	10.69	≤ 10.79	Pass
11ac-VHT20	MCS0	116	5580	3.97	4.55	4.40	4.38	97.05	10.48	≤ 10.79	Pass
11ac-VHT20	MCS0	140	5700	4.36	4.60	4.36	4.08	97.05	10.50	≤ 10.79	Pass
11ac-VHT20	MCS0	144	5720	4.27	4.51	4.45	4.29	97.05	10.53	≤ 10.79	Pass
11ac-VHT40	MCS0	102	5510	4.15	4.58	4.39	3.94	93.95	10.56	≤ 10.79	Pass
11ac-VHT40	MCS0	110	5550	4.25	4.79	4.38	4.24	93.95	10.71	≤ 10.79	Pass
11ac-VHT40	MCS0	134	5670	4.21	4.14	4.07	3.97	93.95	10.39	≤ 10.79	Pass
11ac-VHT40	MCS0	142	5710	4.34	4.36	4.40	4.12	93.95	10.60	≤ 10.79	Pass
11ac-VHT80	MCS0	106	5530	1.32	1.87	1.65	1.45	89.47	8.08	≤ 10.79	Pass
11ac-VHT80	MCS0	122	5610	0.54	0.98	0.23	0.70	89.47	7.12	≤ 10.79	Pass
11ac-VHT80	MCS0	138	5690	0.74	0.99	0.32	0.78	89.47	7.22	≤ 10.79	Pass
11ac-VHT160	MCS0	114	5570	-3.37	-3.07	-3.37	-3.20	83.70	3.55	≤ 10.79	Pass
11ax-HE20	MCS0	100	5500	4.32	4.81	4.50	4.30	96.24	10.68	≤ 10.79	Pass
11ax-HE20	MCS0	116	5580	4.24	4.74	4.56	4.55	96.24	10.71	≤ 10.79	Pass
11ax-HE20	MCS0	140	5700	4.02	4.65	4.25	4.11	96.24	10.45	≤ 10.79	Pass
11ax-HE20	MCS0	144	5720	4.37	4.61	4.55	4.31	96.24	10.65	≤ 10.79	Pass
11ax-HE40	MCS0	102	5510	4.41	4.35	4.31	4.36	92.60	10.71	≤ 10.79	Pass
11ax-HE40	MCS0	110	5550	4.21	4.36	4.43	4.04	92.60	10.62	≤ 10.79	Pass
11ax-HE40	MCS0	134	5670	4.12	4.20	4.08	3.83	92.60	10.41	≤ 10.79	Pass
11ax-HE40	MCS0	142	5710	4.26	4.24	4.35	4.01	92.60	10.57	≤ 10.79	Pass
11ax-HE80	MCS0	106	5530	1.00	1.00	1.19	1.45	88.52	7.72	≤ 10.79	Pass
11ax-HE80	MCS0	122	5610	0.63	0.84	0.87	0.51	88.52	7.27	≤ 10.79	Pass
11ax-HE80	MCS0	122	5690	0.47	0.36	0.27	-0.08	88.52	6.81	≤ 10.79	Pass
11ax-HE160	MCS0	114	5570	-3.15	-2.80	-3.10	-2.98	81.90	3.88	≤ 10.79	Pass

Note 1: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = $10 \cdot \log \{ 10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)} \}$ (dBm/MHz) + $10 \cdot \log (1/\text{Duty Cycle})$.

Note 2: PSD Limit (dBm/MHz) = 11 - (6.21 - 6) = 10.79dBm/MHz.

802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)

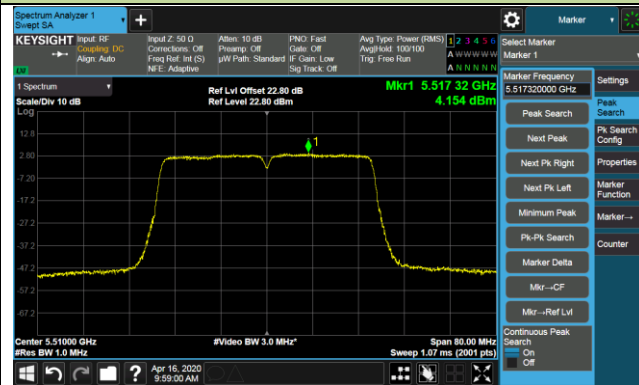


Channel 144 (5720MHz)



802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)



802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



802.11ac-VHT160 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 114 (5570MHz)



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

Channel 100 (5500MHz)



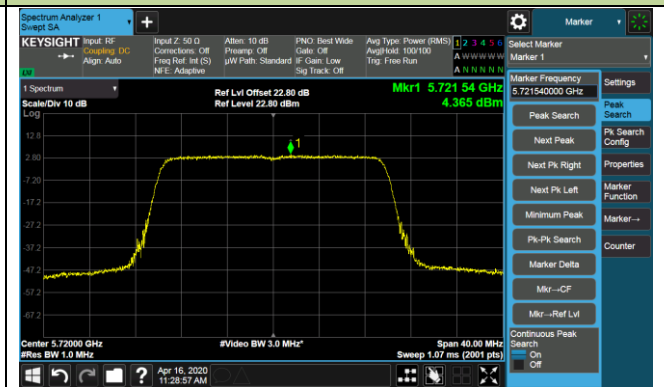
Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)



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

Channel 102 (5510MHz)



Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)



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

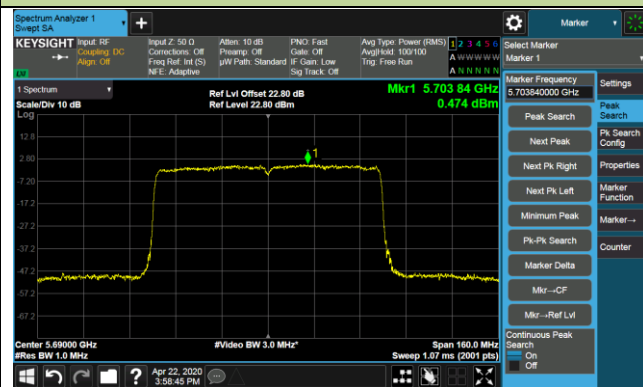
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



802.11ax-HE160 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 114 (5570MHz)



802.11ac-VHT20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)

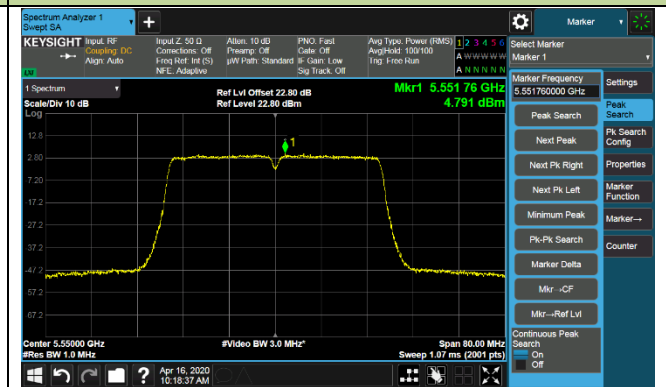


802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

Channel 102 (5510MHz)



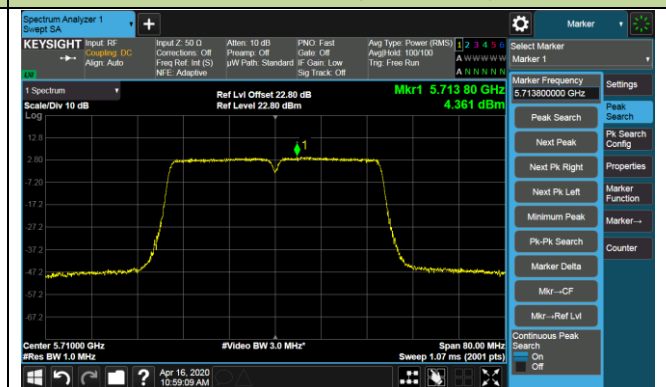
Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)



802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



802.11ac-VHT160 Power Spectral Density – Ant 1 / Ant 0 + 1 + 2 + 3

Channel 114 (5570MHz)



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

Channel 100 (5500MHz)



Channel 116 (5580MHz)



Channel 140 (5700MHz)

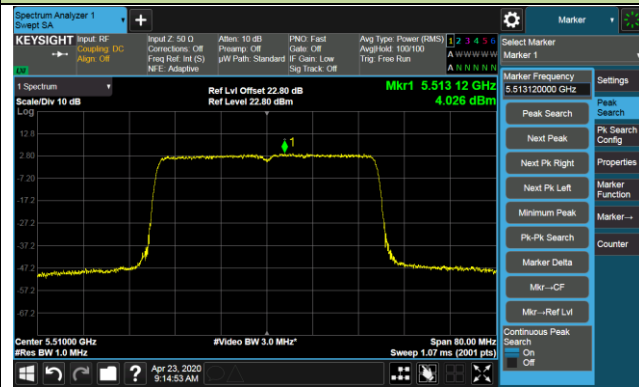


Channel 144 (5720MHz)



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

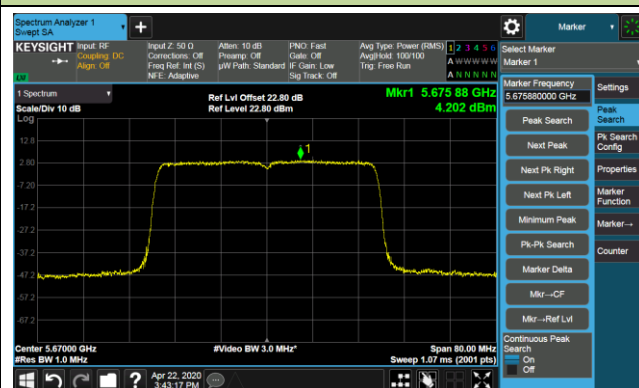
Channel 102 (5510MHz)



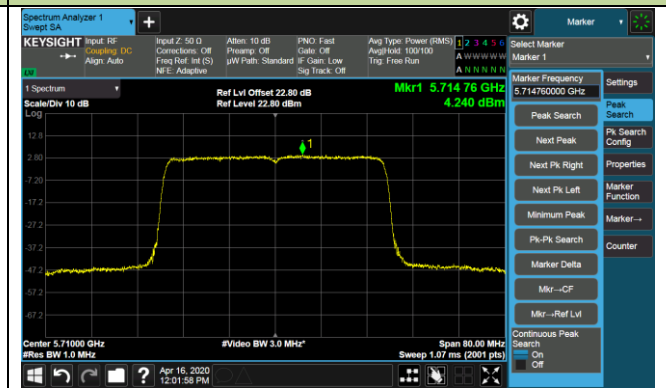
Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)



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

Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



802.11ax-HE160 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

Channel 114 (5570MHz)

