

Product	AX6600 Tri-Band Wi-Fi 6 Gaming Router	Temperature	23 ~ 25°C
Test Engineer	Kevin Ker	Relative Humidity	40 ~ 56%
Test Site	SR1	Test Date	2020/04/20 ~ 2020/05/14
Mode	Power Spectral Density (U-NII- 2C) CDD Mode N _{SS} =2		

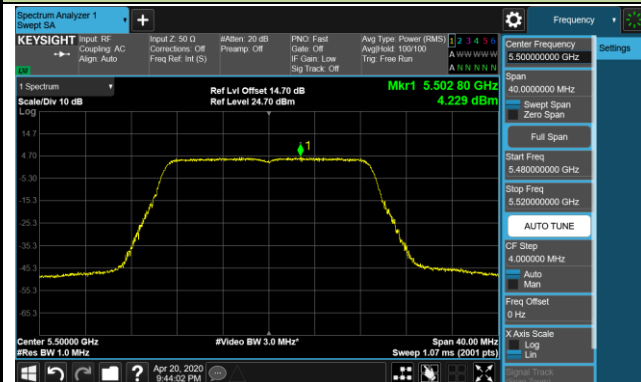
Test Mode	Data Rate /MCS	Ch. No.	Freq. (MHz)	Ant 0 PSD (dBm/MHz)	Ant 1 PSD (dBm/MHz)	Ant 2 PSD (dBm/MHz)	Ant 3 PSD (dBm/MHz)	Duty Cycle (%)	Total PSD (dBm/MHz)	PSD Limit (dBm/MHz)	Result
11ac-VHT20	MCS0	100	5500	4.23	4.27	4.48	4.58	96.55	10.56	≤ 11.00	Pass
11ac-VHT20	MCS0	116	5580	4.37	4.49	4.89	5.19	96.55	10.92	≤ 11.00	Pass
11ac-VHT20	MCS0	140	5700	4.32	4.33	4.63	4.61	96.55	10.65	≤ 11.00	Pass
11ac-VHT20	MCS0	144	5720	4.39	4.09	4.75	4.46	96.55	10.60	≤ 11.00	Pass
11ac-VHT40	MCS0	102	5510	3.52	3.38	3.45	3.30	93.77	9.71	≤ 11.00	Pass
11ac-VHT40	MCS0	110	5550	3.40	3.37	4.03	3.66	93.77	9.92	≤ 11.00	Pass
11ac-VHT40	MCS0	134	5670	2.55	2.32	2.97	3.34	93.77	9.11	≤ 11.00	Pass
11ac-VHT40	MCS0	142	5710	2.11	2.82	2.92	2.74	93.77	8.96	≤ 11.00	Pass
11ac-VHT80	MCS0	106	5530	0.69	0.73	1.37	0.88	87.48	7.53	≤ 11.00	Pass
11ac-VHT80	MCS0	122	5610	-0.32	-0.28	0.08	-0.11	87.48	6.45	≤ 11.00	Pass
11ac-VHT80	MCS0	138	5690	-0.84	-0.80	0.06	-0.62	87.48	6.07	≤ 11.00	Pass
11ac-VHT160	MCS0	114	5570	-3.91	-3.68	-4.16	-4.27	83.11	2.83	≤ 11.00	Pass
11ax-HE20	MCS0	100	5500	4.45	4.33	4.60	4.41	95.62	10.66	≤ 11.00	Pass
11ax-HE20	MCS0	116	5580	4.36	4.43	4.87	5.03	95.62	10.90	≤ 11.00	Pass
11ax-HE20	MCS0	140	5700	3.70	3.33	4.14	3.81	95.62	9.97	≤ 11.00	Pass
11ax-HE20	MCS0	144	5720	4.12	4.23	5.28	4.79	95.62	10.84	≤ 11.00	Pass
11ax-HE40	MCS0	102	5510	3.22	3.21	2.73	2.56	96.34	9.12	≤ 11.00	Pass
11ax-HE40	MCS0	110	5550	2.60	2.68	2.87	2.71	96.34	8.90	≤ 11.00	Pass
11ax-HE40	MCS0	134	5670	2.31	2.19	2.40	2.53	96.34	8.54	≤ 11.00	Pass
11ax-HE40	MCS0	142	5710	2.21	1.54	2.47	2.75	96.34	8.45	≤ 11.00	Pass
11ax-HE80	MCS0	106	5530	-0.42	-0.24	0.03	0.12	88.13	6.45	≤ 11.00	Pass
11ax-HE80	MCS0	122	5610	-0.22	-0.33	-0.02	-0.35	88.13	6.34	≤ 11.00	Pass
11ax-HE80	MCS0	122	5690	-1.23	-0.57	-0.55	-0.11	88.13	5.97	≤ 11.00	Pass
11ax-HE160	MCS0	114	5570	-3.51	-3.91	-4.24	-4.67	81.12	2.87	≤ 11.00	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) = 11dBm/MHz.

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

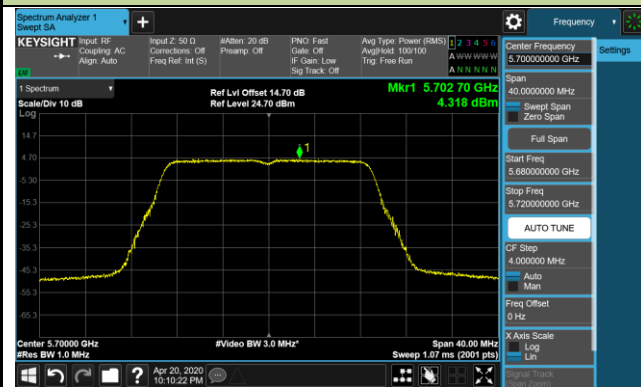
Channel 100 (5500MHz)



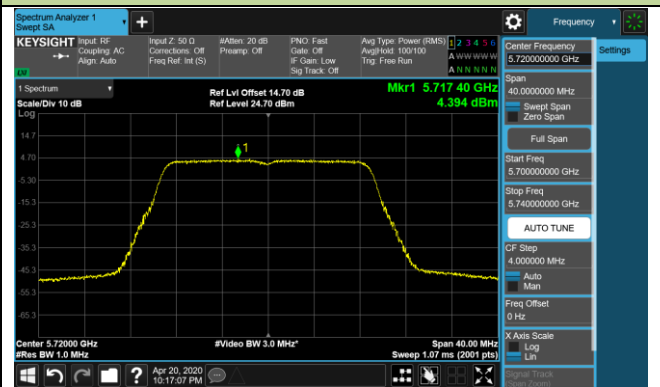
Channel 116 (5580MHz)



Channel 140 (5700MHz)

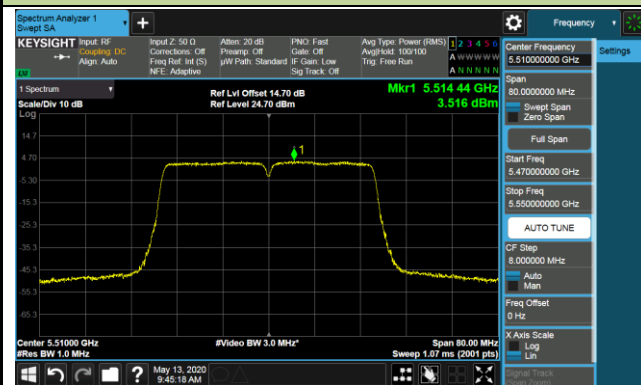


Channel 144 (5720MHz)

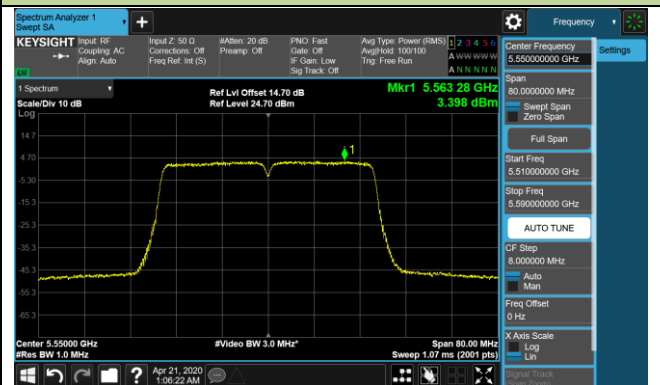


802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

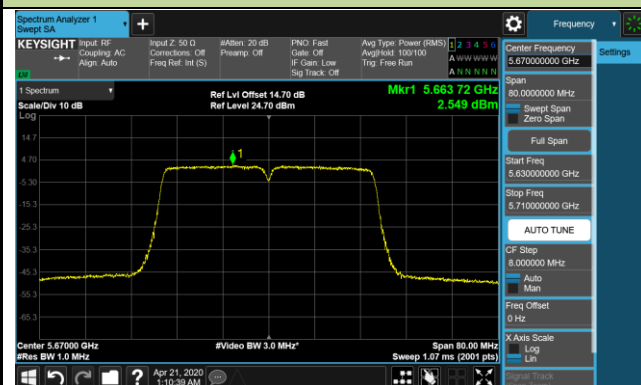
Channel 102 (5510MHz)



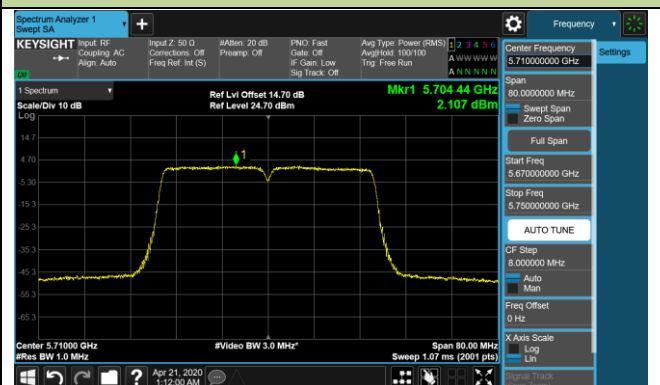
Channel 110 (5550MHz)



Channel 134 (5670MHz)

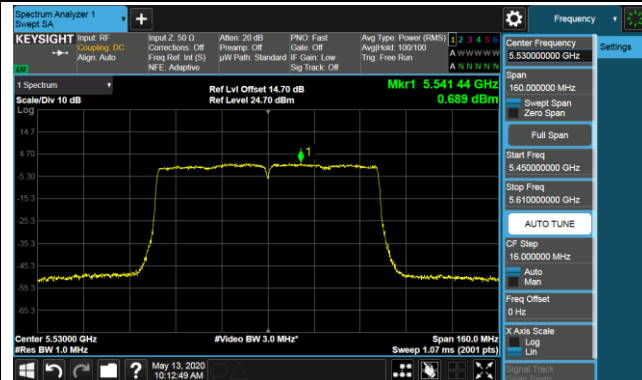


Channel 142 (5710MHz)

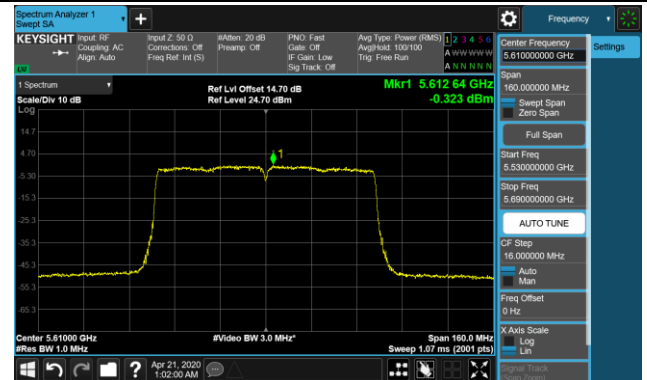


802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

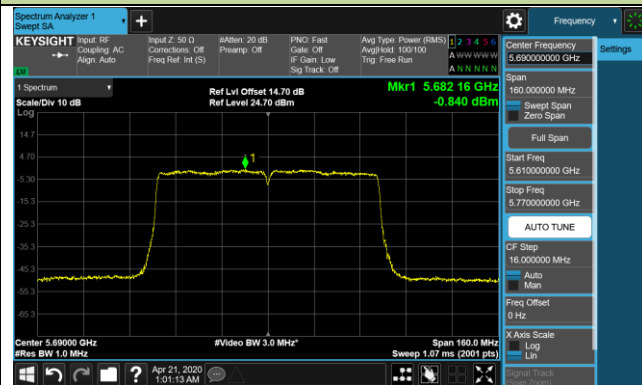
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



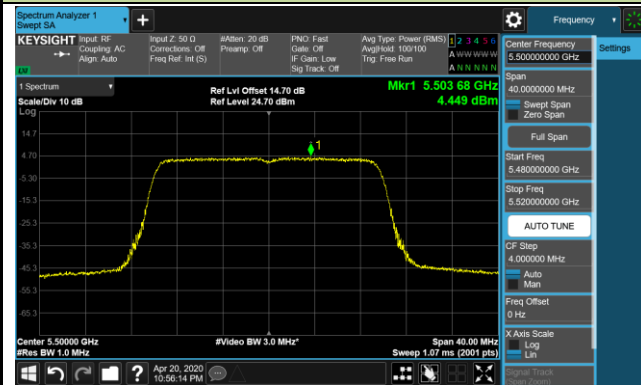
802.11ac-VHT160 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 114 (5570MHz)

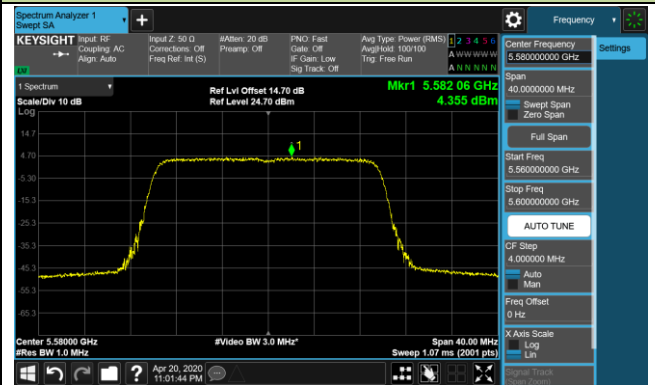


802.11ax-HE20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

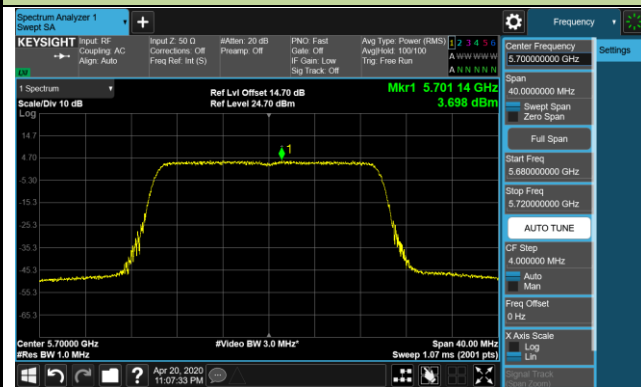
Channel 100 (5500MHz)



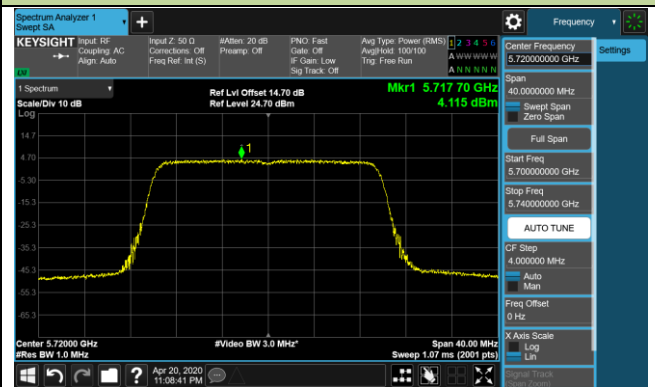
Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)

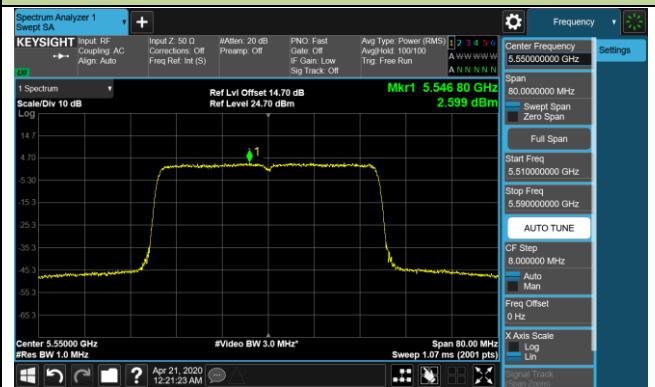


802.11ax-HE40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

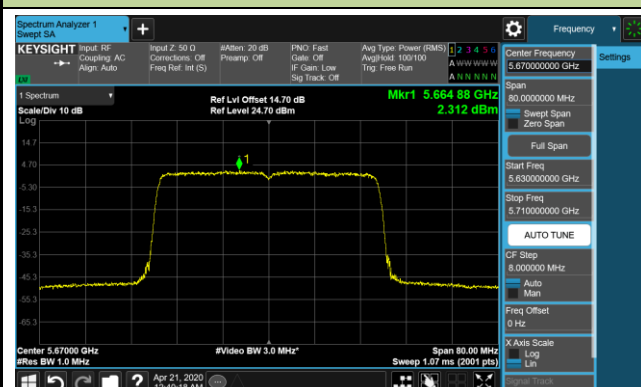
Channel 102 (5510MHz)



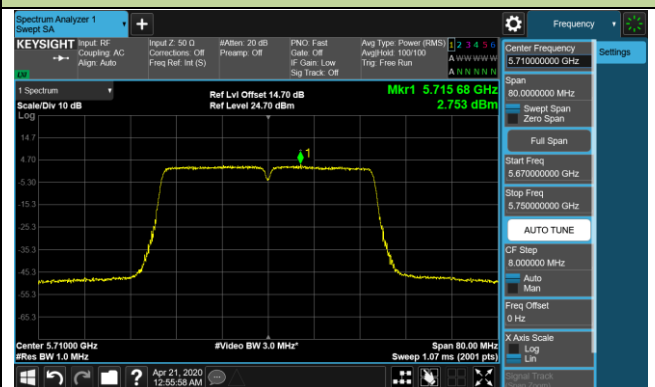
Channel 110(5550MHz)



Channel 134 (5670MHz)

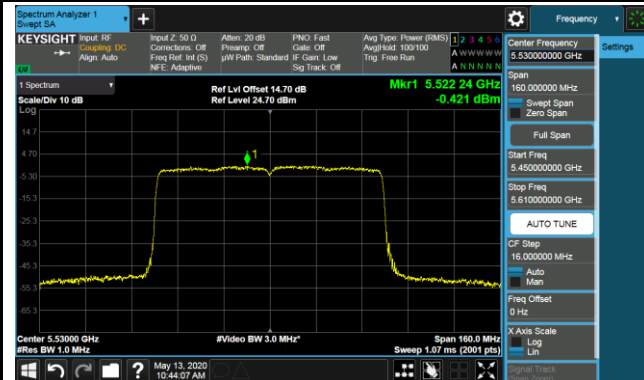


Channel 142 (5710MHz)

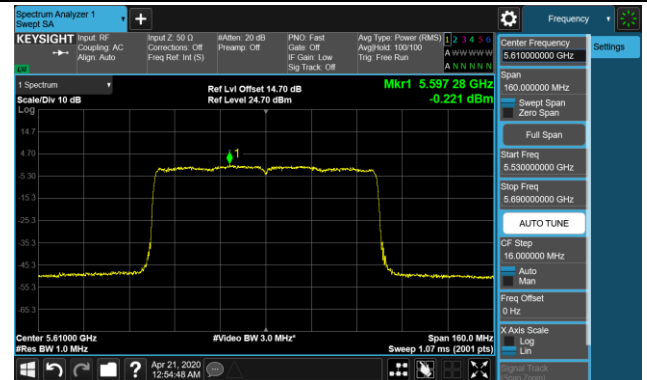


802.11ax-HE80 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

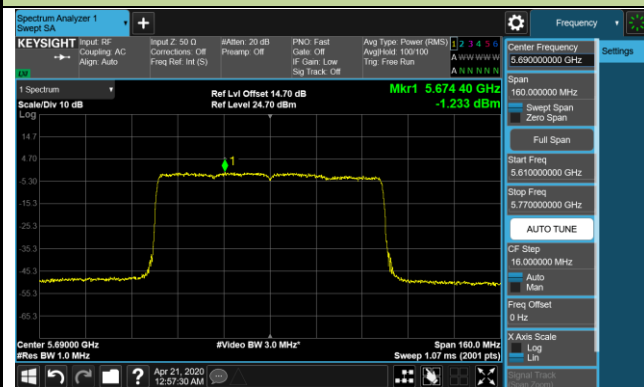
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



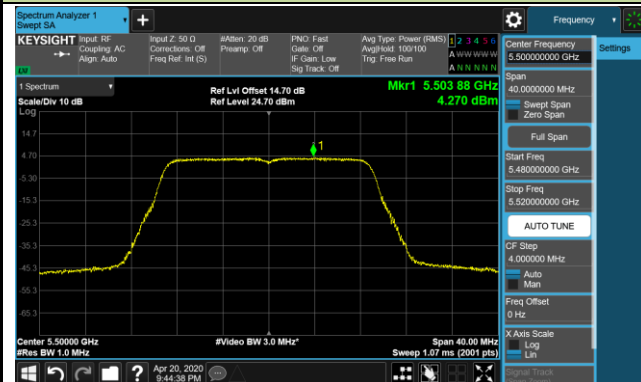
802.11ax-HE160 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 114 (5570MHz)



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

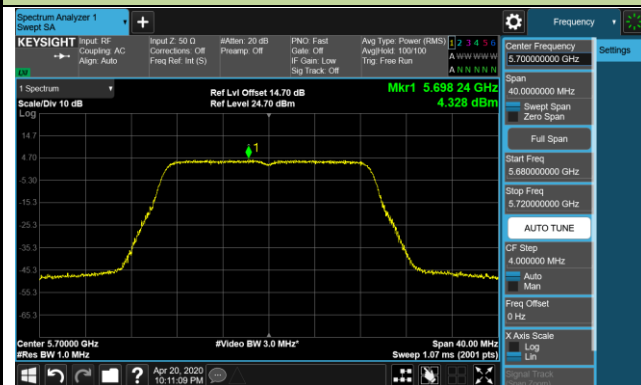
Channel 100 (5500MHz)



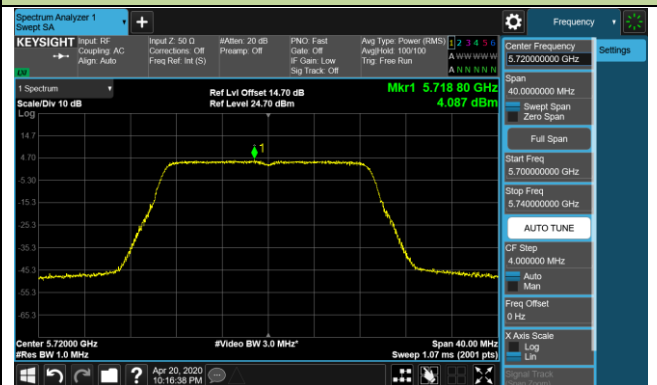
Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)

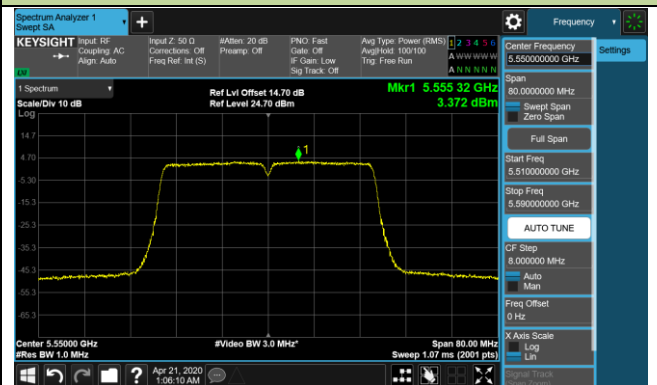


802.11ac-VHT40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

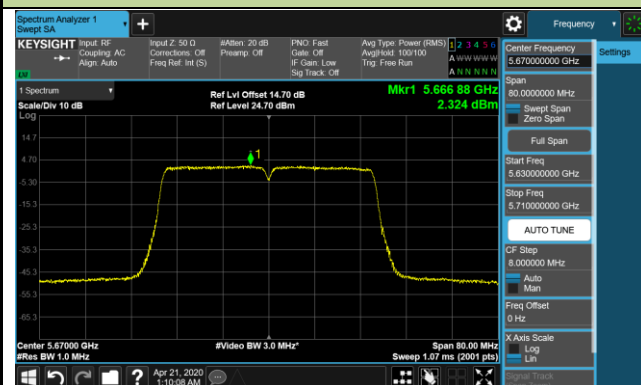
Channel 102 (5510MHz)



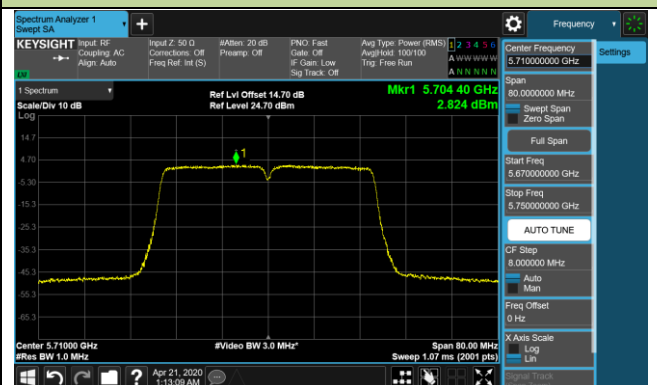
Channel 110 (5550MHz)



Channel 134 (5670MHz)

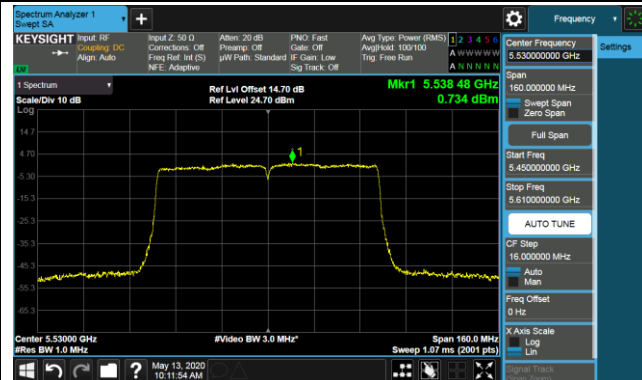


Channel 142 (5710MHz)

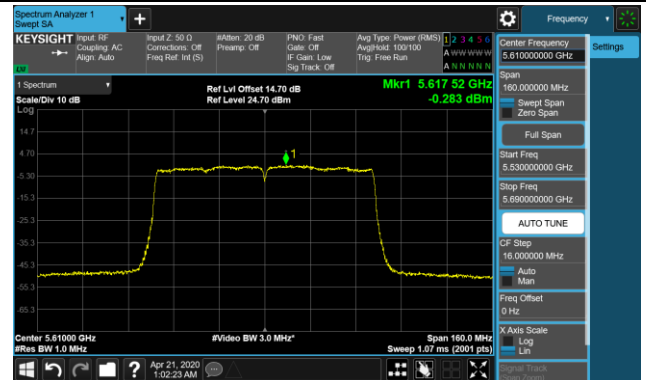


802.11ac-VHT80 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

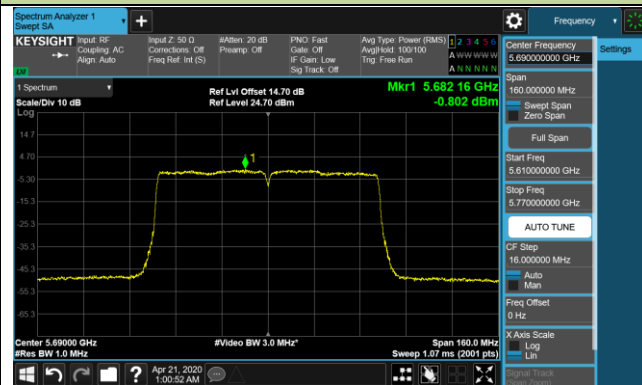
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



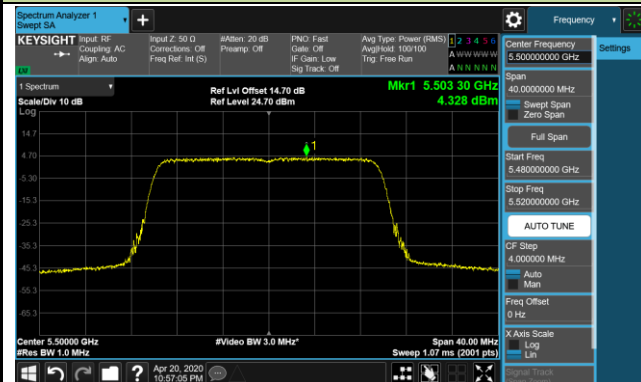
802.11ac-VHT160 Power Spectral Density –Ant 1 / Ant 0 + 1 + 2 + 3

Channel 114 (5570MHz)

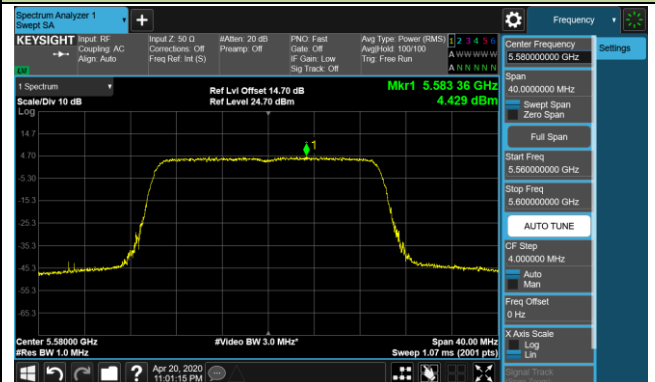


802.11ax-HE20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

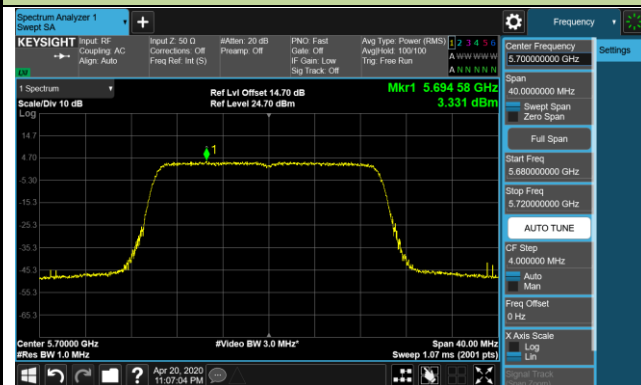
Channel 100 (5500MHz)



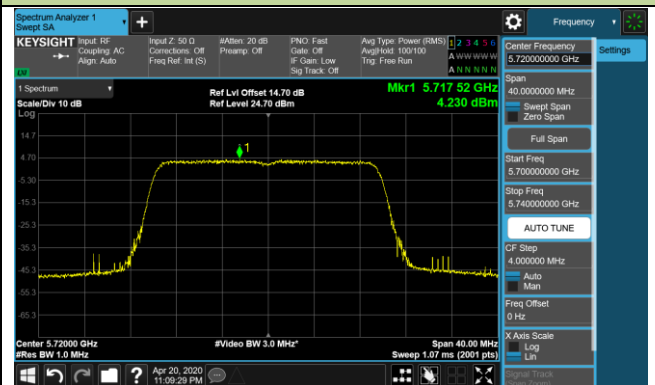
Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)

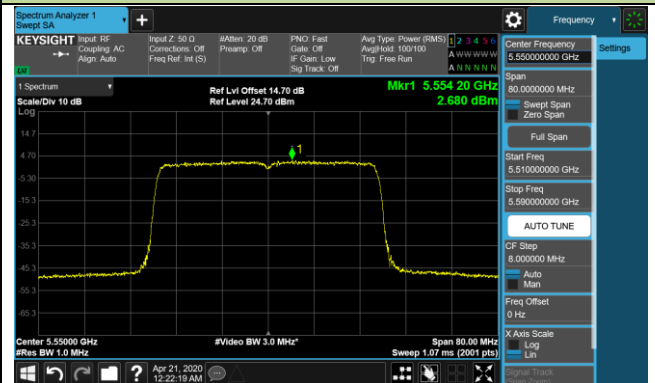


802.11ax-HE40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

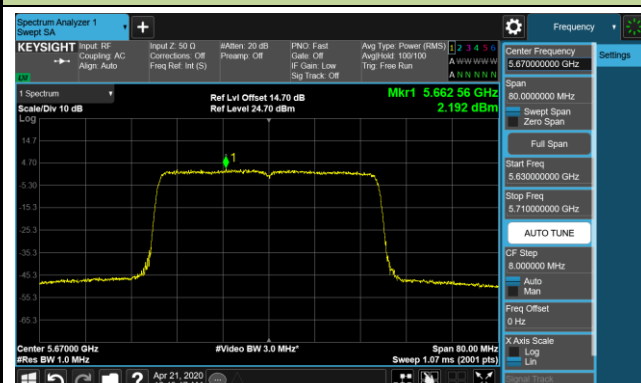
Channel 102 (5510MHz)



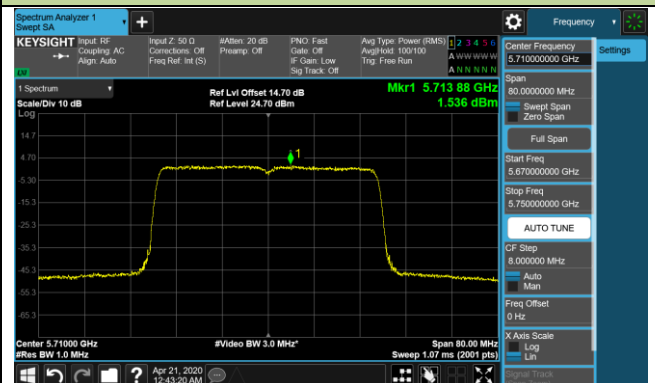
Channel 110 (5550MHz)



Channel 134 (5670MHz)

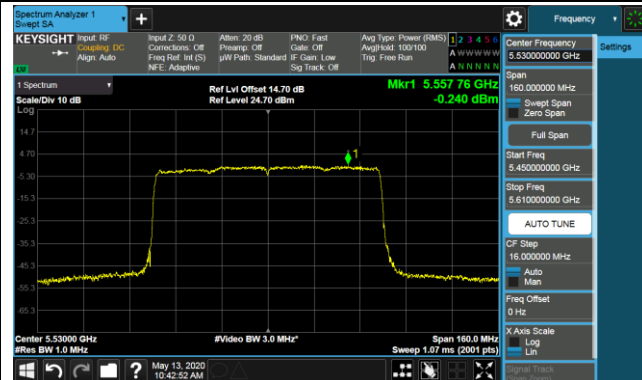


Channel 142 (5710MHz)

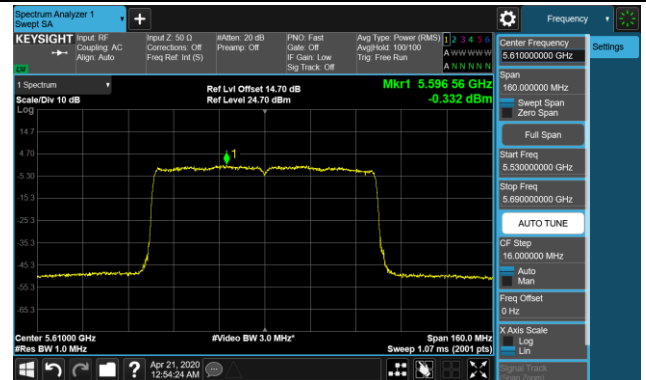


802.11ax-HE80 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3

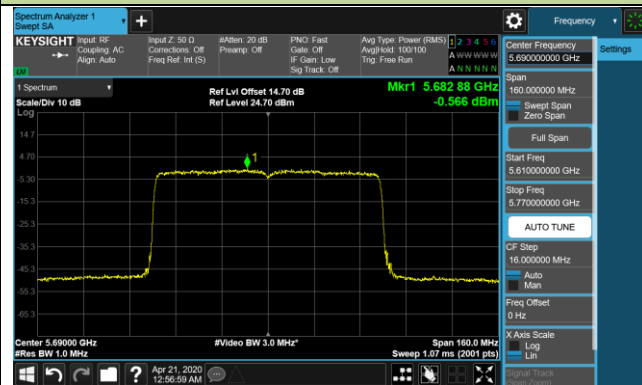
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



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

Channel 114 (5570MHz)



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

Channel 100 (5500MHz)



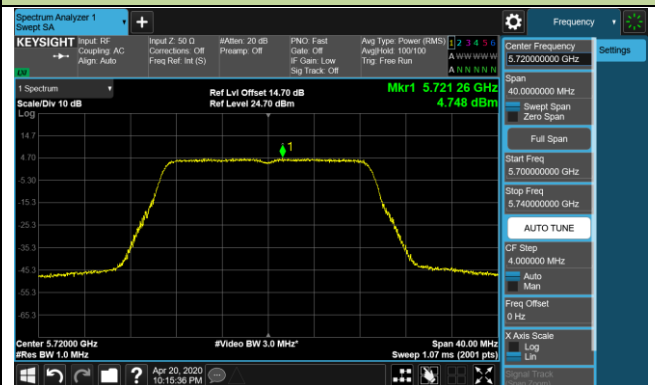
Channel 116 (5580MHz)



Channel 140 (5700MHz)



Channel 144 (5720MHz)

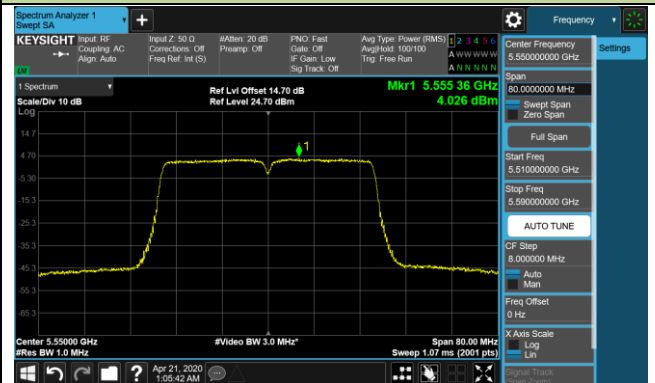


802.11ac-VHT40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

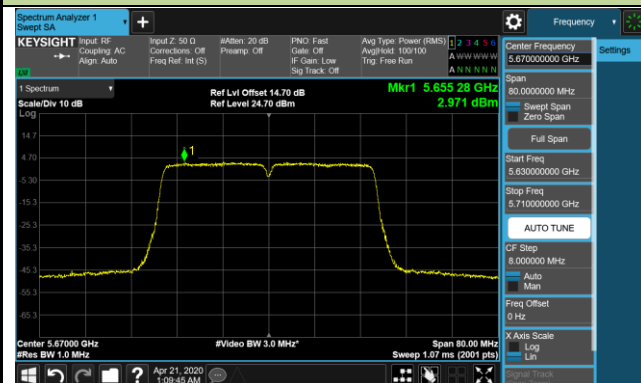
Channel 102 (5510MHz)



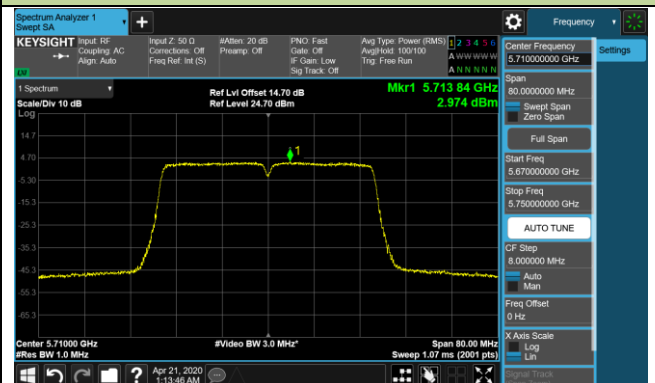
Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)

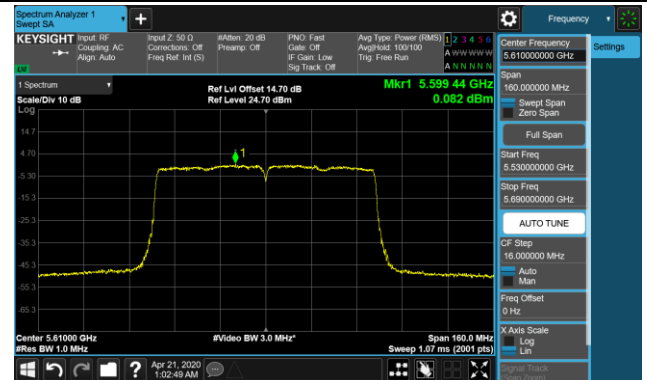


802.11ac-VHT80 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

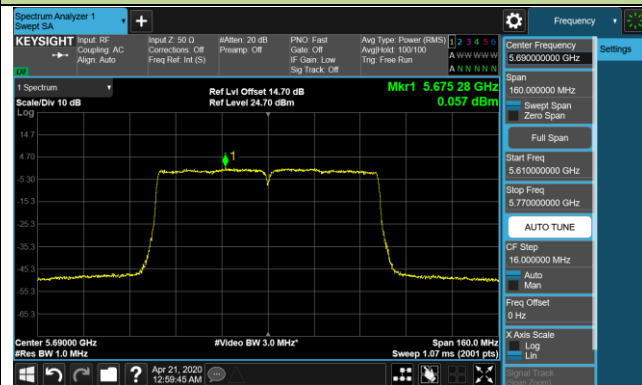
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



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

Channel 114 (5570MHz)

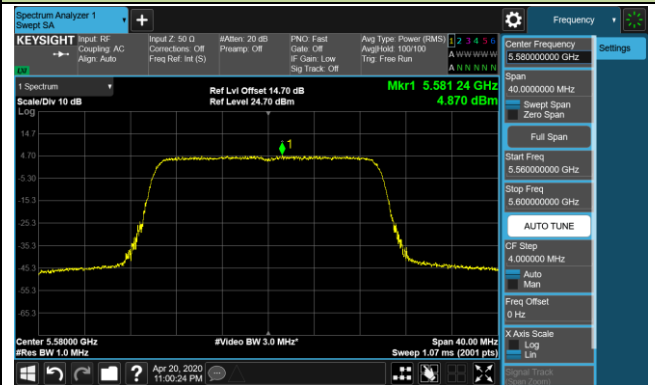


802.11ax-HE20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

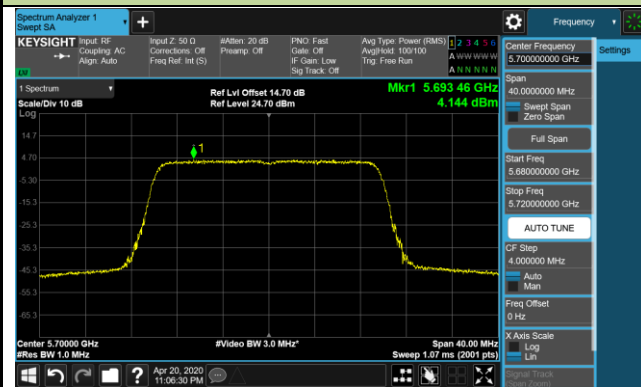
Channel 100 (5500MHz)



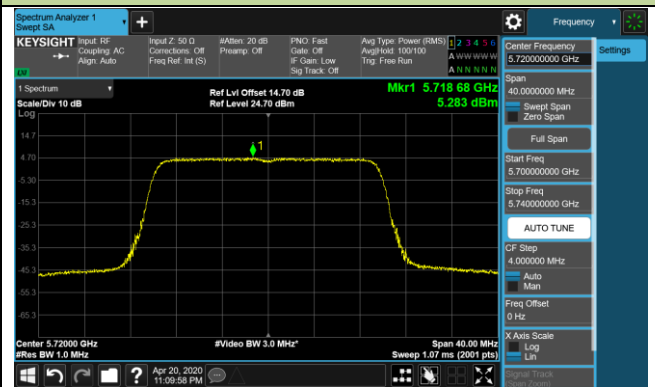
Channel 116 (5580MHz)



Channel 140 (5700MHz)

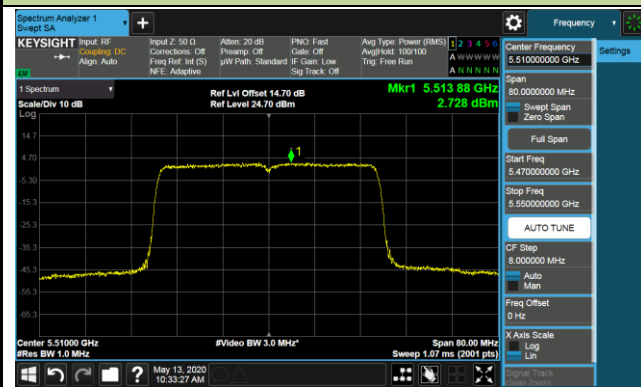


Channel 144 (5720MHz)

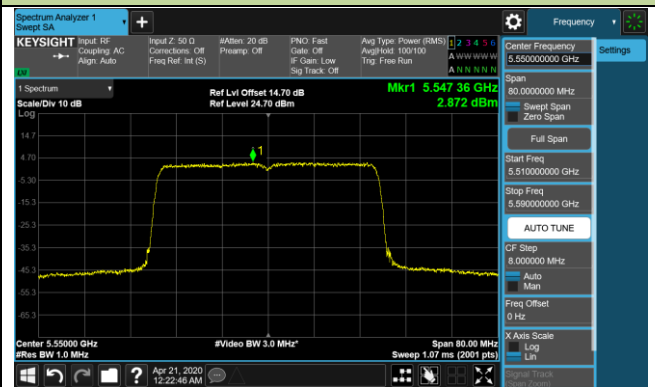


802.11ax-HE40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3

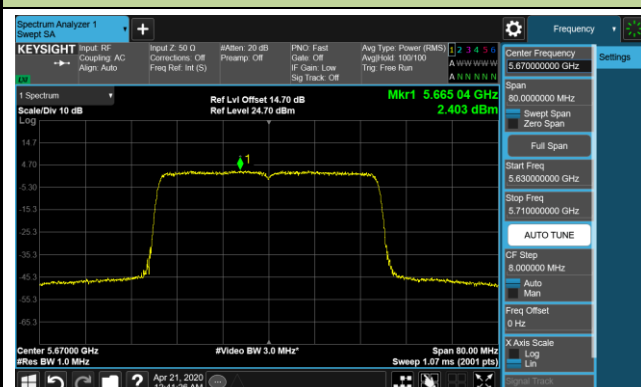
Channel 102 (5510MHz)



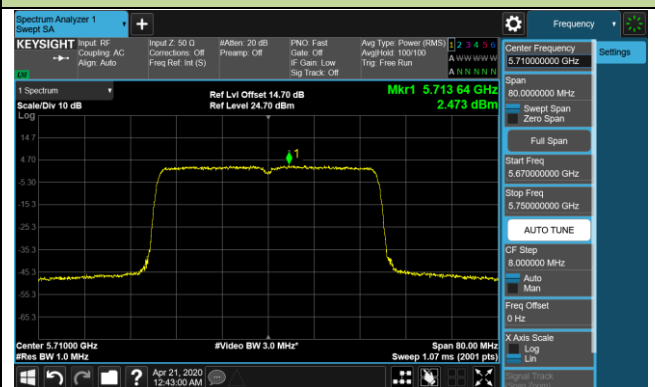
Channel 110 (5550MHz)



Channel 134 (5670MHz)



Channel 142 (5710MHz)

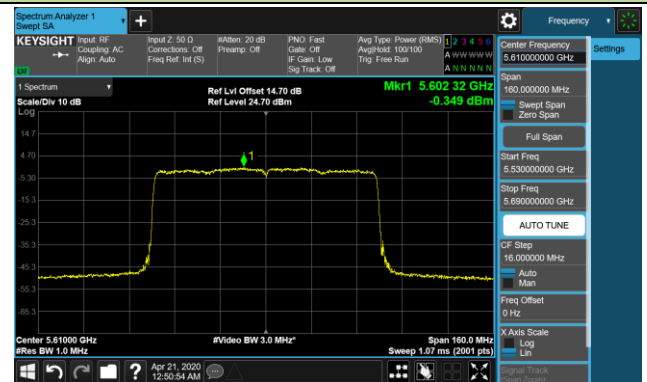


802.11ax-HE80 Power Spectral Density –Ant 2 / Ant 0 + 1 + 2 + 3

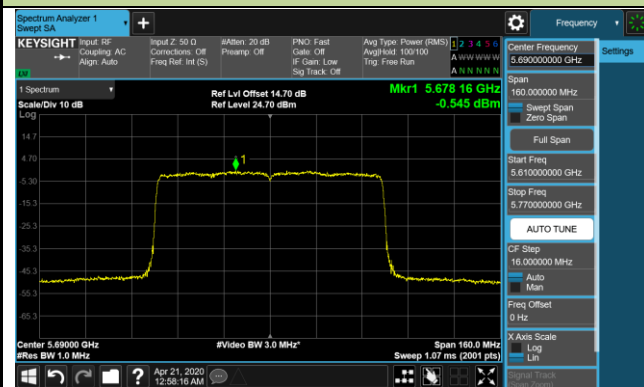
Channel 106 (5530MHz)



Channel 122 (5610MHz)



Channel 138 (5690MHz)



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

Channel 114 (5570MHz)

