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# Annex E

## WLAN 802.11a/n/ac/ax Test Result

Model No.: APEX0575

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# 1. Output Power Measurement Test Result

Product	ACCESS POINT	Temperature	24°C
Test Engineer	Kevin Ker	Relative Humidity	59%
Test Site	SR2	Test Date	2020/01/06
Antenna Type	Internal Antenna	Test Item	Output Power

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Average Power (dBm)				Total Average Power (dBm)	Average Power Limit (dBm)	E.I.R.P. Above 30 Degree Angle (dBm)		Result
				Ant 0	Ant 1	Ant 2	Ant 3			Max E.I.R.P.	Limit	
Ant 0 + 1 + 2 + 3												
11a	6Mbps	36	5180	17.11	17.79	16.32	17.46	23.22	≤30.00	20.52	≤21.00	Pass
11a	6Mbps	44	5220	17.56	17.53	16.86	18.10	23.56	≤30.00	20.86	≤21.00	Pass
11a	6Mbps	48	5240	17.30	17.39	16.94	17.91	23.42	≤30.00	20.72	≤21.00	Pass
11a	6Mbps	52	5260	13.75	14.28	13.73	13.77	19.91	≤23.98	--	--	Pass
11a	6Mbps	60	5300	13.88	14.38	13.61	13.87	19.96	≤23.98	--	--	Pass
11a	6Mbps	64	5320	13.88	14.22	13.56	13.81	19.89	≤23.98	--	--	Pass
11a	6Mbps	100	5500	13.83	14.20	13.71	14.15	20.00	≤23.98	--	--	Pass
11a	6Mbps	120	5600	13.37	14.15	13.41	14.15	19.81	≤23.98	--	--	Pass
11a	6Mbps	140	5700	13.38	14.03	13.11	13.91	19.64	≤23.98	--	--	Pass
11a	6Mbps	144	5720	13.31	13.97	13.10	13.88	19.60	≤22.92	--	--	Pass
11a	6Mbps	149	5745	21.45	22.53	22.25	22.21	28.15	≤30.00	--	--	Pass
11a	6Mbps	157	5785	21.59	22.78	22.44	22.19	28.29	≤30.00	--	--	Pass
11a	6Mbps	165	5825	21.47	22.73	22.24	22.07	28.17	≤30.00	--	--	Pass
11ac-VHT20	MCS0	36	5180	17.06	17.81	16.15	17.31	23.14	≤30.00	20.44	≤21.00	Pass
11ac-VHT20	MCS0	44	5220	17.55	17.34	17.04	18.05	23.53	≤30.00	20.83	≤21.00	Pass
11ac-VHT20	MCS0	48	5240	17.05	17.48	17.06	18.17	23.49	≤30.00	20.79	≤21.00	Pass
11ac-VHT20	MCS0	52	5260	14.10	14.38	13.84	14.01	20.11	≤23.98	--	--	Pass
11ac-VHT20	MCS0	60	5300	14.00	14.55	13.87	13.96	20.12	≤23.98	--	--	Pass
11ac-VHT20	MCS0	64	5320	13.96	14.27	13.85	14.00	20.04	≤23.98	--	--	Pass
11ac-VHT20	MCS0	100	5500	14.02	14.18	13.95	14.12	20.09	≤23.98	--	--	Pass
11ac-VHT20	MCS0	120	5600	13.94	14.13	13.88	14.17	20.05	≤23.98	--	--	Pass
11ac-VHT20	MCS0	140	5700	14.05	14.42	13.97	14.35	20.22	≤23.98	--	--	Pass
11ac-VHT20	MCS0	144	5720	14.09	14.25	13.96	14.26	20.16	≤22.96	--	--	Pass
11ac-VHT20	MCS0	149	5745	21.77	22.49	22.49	22.27	28.29	≤30.00	--	--	Pass

11ac-VHT20	MCS0	157	5785	21.75	22.42	22.24	22.10	28.15	≤30.00	--	--	Pass
11ac-VHT20	MCS0	165	5825	21.79	22.65	22.28	22.29	28.28	≤30.00	--	--	Pass
11ac-VHT40	MCS0	38	5190	17.30	17.70	16.27	16.79	23.07	≤30.00	20.37	≤21.00	Pass
11ac-VHT40	MCS0	46	5230	17.44	17.34	16.80	18.26	23.51	≤30.00	20.81	≤21.00	Pass
11ac-VHT40	MCS0	54	5270	17.08	17.36	16.98	16.96	23.12	≤23.98	--	--	Pass
11ac-VHT40	MCS0	62	5310	16.66	16.56	16.16	16.73	22.55	≤23.98	--	--	Pass
11ac-VHT40	MCS0	102	5510	17.01	17.47	17.00	17.14	23.18	≤23.98	--	--	Pass
11ac-VHT40	MCS0	118	5590	16.94	17.13	16.95	17.04	23.04	≤23.98	--	--	Pass
11ac-VHT40	MCS0	134	5670	17.06	17.18	16.78	16.99	23.03	≤23.98	--	--	Pass
11ac-VHT40	MCS0	142	5710	17.01	17.10	16.91	16.99	23.02	≤23.98	--	--	Pass
11ac-VHT40	MCS0	151	5755	22.00	22.69	22.24	22.09	28.28	≤30.00	--	--	Pass
11ac-VHT40	MCS0	159	5795	21.97	22.58	22.32	22.17	28.29	≤30.00	--	--	Pass
11ac-VHT80	MCS0	42	5210	17.44	17.48	16.25	16.86	23.06	≤30.00	20.36	≤21.00	Pass
11ac-VHT80	MCS0	58	5290	16.57	16.59	16.35	16.76	22.59	≤23.98	--	--	Pass
11ac-VHT80	MCS0	106	5530	16.39	16.44	16.09	15.43	22.13	≤23.98	--	--	Pass
11ac-VHT80	MCS0	122	5610	17.55	17.60	17.19	17.53	23.49	≤23.98	--	--	Pass
11ac-VHT80	MCS0	138	5690	17.52	17.57	17.23	17.15	23.39	≤23.98	--	--	Pass
11ac-VHT80	MCS0	155	5775	19.35	19.30	19.12	18.87	25.18	≤30.00	--	--	Pass
802.11ac-VHT160 Straddle 5.15-5.25GHz												
11ac-VHT160	MCS0	50	5250	11.39	11.44	11.37	11.31	17.40	≤23.98	11.69	≤21.00	Pass
802.11ac-VHT160 Straddle 5.25-5.35GHz												
11ac-VHT160	MCS0	50	5250	11.37	11.10	11.34	17.32	11.37	≤23.98	--	--	Pass
11ac-VHT160	MCS0	50	5250	14.42	14.25	14.34	20.37	14.42	--	--	--	--
Note: The total power was calculated through formula and recorded the value for reference only.												
11ac-VHT160	MCS0	114	5570	14.23	14.41	14.13	14.06	20.23	≤23.98	--	--	Pass
11ax-HE20	MCS0	36	5180	17.26	17.73	16.18	17.50	23.23	≤30.00	20.53	≤21.00	Pass
11ax-HE20	MCS0	44	5220	17.22	17.45	16.98	18.45	23.58	≤30.00	20.88	≤21.00	Pass
11ax-HE20	MCS0	48	5240	17.34	17.54	16.73	18.17	23.50	≤30.00	20.80	≤21.00	Pass
11ax-HE20	MCS0	52	5260	14.09	14.62	14.32	14.34	20.37	≤23.98	--	--	Pass
11ax-HE20	MCS0	60	5300	14.49	14.74	14.15	14.18	20.42	≤23.98	--	--	Pass
11ax-HE20	MCS0	64	5320	14.29	14.59	14.16	14.17	20.33	≤23.98	--	--	Pass
11ax-HE20	MCS0	100	5500	14.38	14.53	14.30	14.44	20.43	≤23.98	--	--	Pass
11ax-HE20	MCS0	120	5600	14.07	14.47	14.10	14.54	20.32	≤23.98	--	--	Pass
11ax-HE20	MCS0	140	5700	13.96	14.41	14.02	14.54	20.26	≤23.98	--	--	Pass
11ax-HE20	MCS0	144	5720	14.01	14.29	13.97	14.44	20.20	≤22.96	--	--	Pass
11ax-HE20	MCS0	149	5745	22.00	22.94	22.78	22.35	28.55	≤30.00	--	--	Pass
11ax-HE20	MCS0	157	5785	22.06	22.85	22.71	22.51	28.56	≤30.00	--	--	Pass



11ax-HE20	MCS0	165	5825	22.15	22.68	22.77	22.47	28.54	≤30.00	--	--	Pass
11ax-HE40	MCS0	38	5190	17.15	17.99	16.63	17.24	23.30	≤30.00	20.60	≤21.00	Pass
11ax-HE40	MCS0	46	5230	17.55	17.22	16.49	18.13	23.41	≤30.00	20.71	≤21.00	Pass
11ax-HE40	MCS0	54	5270	17.44	17.80	17.18	17.32	23.46	≤23.98	--	--	Pass
11ax-HE40	MCS0	62	5310	16.48	16.39	16.11	16.75	22.46	≤23.98	--	--	Pass
11ax-HE40	MCS0	102	5510	17.24	17.60	17.17	17.25	23.34	≤23.98	--	--	Pass
11ax-HE40	MCS0	118	5590	17.02	17.15	17.06	17.14	23.11	≤23.98	--	--	Pass
11ax-HE40	MCS0	134	5670	17.04	17.29	17.07	17.23	23.18	≤23.98	--	--	Pass
11ax-HE40	MCS0	142	5710	16.93	17.19	17.02	17.14	23.09	≤23.98	--	--	Pass
11ax-HE40	MCS0	151	5755	22.19	22.88	22.60	22.75	28.63	≤30.00	--	--	Pass
11ax-HE40	MCS0	159	5795	22.14	22.61	22.63	22.51	28.50	≤30.00	--	--	Pass
11ax-HE80	MCS0	42	5210	17.58	17.93	16.48	17.28	23.37	≤30.00	20.67	≤21.00	Pass
11ax-HE80	MCS0	58	5290	16.12	15.99	15.76	15.66	21.91	≤23.98	--	--	Pass
11ax-HE80	MCS0	106	5530	17.44	17.37	17.36	16.91	23.30	≤23.98	--	--	Pass
11ax-HE80	MCS0	122	5610	17.77	17.57	17.47	17.47	23.59	≤23.98	--	--	Pass
11ax-HE80	MCS0	138	5690	17.64	17.77	17.58	17.53	23.65	≤23.98	--	--	Pass
11ax-HE80	MCS0	155	5775	19.64	19.63	19.25	19.29	25.48	≤30.00	--	--	Pass
802.11ax-HE160 Straddle 5.15-5.25GHz												
11ax-HE160	MCS0	50	5250	11.56	11.56	11.53	11.37	17.53	≤30.00	11.82	≤21.00	Pass
802.11ax-HE160 Straddle 5.25-5.35GHz												
11ax-HE160	MCS0	50	5250	11.28	11.51	10.99	11.45	17.33	≤23.98	--	--	Pass
11ax-HE160	MCS0	50	5250	14.43	14.55	14.28	14.42	20.44	--	--	--	--
Note: The total power was calculated through formula and recorded the value for reference only.												
11ax-HE160	MCS0	114	5570	15.43	15.60	15.2	15.46	21.45	≤23.98	--	--	Pass

Note 1: Total Average Power (dBm) =  $10 \cdot \log\{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)} + 10^{(\text{Ant 2 Average Power} / 10)} + 10^{(\text{Ant 3 Average Power} / 10)}\}$ .

Note 2: For NII-1 Band:

Max EIRP Above 30 Degree Angle (dBm) = Total Average Power (dBm) + 30 Degree Antenna Gain (dBi), 30 Degree Antenna Gain (dBi) = -2.7dBi.

Conducted Average Power Limit (dBm) = 30dBm.

For NII-2A and NII-2C Band: Conducted Average Power Limit (dBm) = 23.98dBm.

Note 3: For straddle channel 20MHz Bandwidth 5720MHz, the conducted power limit is as below:

$$802.11a = 11 + 10 \cdot \log(B) = 22.92, B = 21.09/2 + 5 = 15.55\text{MHz},$$

$$802.11ac-VHT20 = 11 + 10 \cdot \log(B) = 22.96, B = 21.41/2 + 5 = 15.71\text{MHz},$$

$$802.11ax-HE20 = 11 + 10 \cdot \log(B) = 22.96, B = 21.41/2 + 5 = 15.71\text{MHz}.$$



## 2. Power Spectral Density Measurement Test Result

Product	ACCESS POINT	Temperature	24°C
Test Engineer	Kevin Ker	Relative Humidity	59%
Test Site	SR2	Test Date	2020/01/09 ~ 2020/04/01
Test Item	Power Spectral Density (UNII-Band 1 and UNII-Band 2)		

Test Mode	Data Rate/ MCS	Channel 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
Ant 0 + 1 + 2 + 3											
11a	6Mbps	36	5180	6.74	7.64	6.60	7.25	94.93	13.32	≤ 15.00	Pass
11a	6Mbps	44	5220	5.99	5.87	5.44	6.63	94.93	12.25	≤ 15.00	Pass
11a	6Mbps	48	5240	5.72	6.20	5.57	6.59	94.93	12.29	≤ 15.00	Pass
11a	6Mbps	52	5260	2.39	2.86	2.33	2.36	94.93	8.74	≤9.00	Pass
11a	6Mbps	60	5300	2.76	2.78	2.29	2.46	94.93	8.82	≤9.00	Pass
11a	6Mbps	64	5320	2.37	2.79	2.38	2.48	94.93	8.75	≤9.00	Pass
11a	6Mbps	100	5500	2.25	2.70	2.40	2.75	94.93	8.78	≤9.00	Pass
11a	6Mbps	120	5600	2.42	2.81	2.35	2.74	94.93	8.83	≤9.00	Pass
11a	6Mbps	140	5700	2.28	2.92	2.12	2.56	94.93	8.73	≤9.00	Pass
11a	6Mbps	144	5720	2.24	2.77	2.39	2.69	94.93	8.77	≤9.00	Pass
11ac-VHT20	MCS0	36	5180	6.82	7.53	6.36	7.31	98.47	13.12	≤ 15.00	Pass
11ac-VHT20	MCS0	44	5220	5.80	5.71	5.40	6.70	98.47	11.95	≤ 15.00	Pass
11ac-VHT20	MCS0	48	5240	5.54	5.36	5.48	6.38	98.47	11.73	≤ 15.00	Pass
11ac-VHT20	MCS0	52	5260	2.74	2.92	2.30	2.30	98.47	8.59	≤9.00	Pass
11ac-VHT20	MCS0	60	5300	2.26	2.88	2.25	2.47	98.47	8.49	≤9.00	Pass
11ac-VHT20	MCS0	64	5320	2.79	3.06	2.51	2.73	98.47	8.80	≤9.00	Pass
11ac-VHT20	MCS0	100	5500	2.63	3.10	2.45	2.67	98.47	8.74	≤9.00	Pass
11ac-VHT20	MCS0	120	5600	2.25	2.77	2.23	2.64	98.47	8.50	≤9.00	Pass
11ac-VHT20	MCS0	140	5700	2.30	2.89	2.24	2.93	98.47	8.62	≤9.00	Pass
11ac-VHT20	MCS0	144	5720	2.59	2.59	2.62	2.65	98.47	8.63	≤9.00	Pass
11ac-VHT40	MCS0	38	5190	3.79	4.52	2.76	3.87	96.97	9.93	≤ 15.00	Pass
11ac-VHT40	MCS0	46	5230	2.77	2.80	2.62	3.63	96.97	9.13	≤ 15.00	Pass
11ac-VHT40	MCS0	54	5270	2.66	2.94	2.54	2.56	96.97	8.83	≤9.00	Pass
11ac-VHT40	MCS0	62	5310	2.35	2.48	2.34	3.88	96.97	8.97	≤9.00	Pass
11ac-VHT40	MCS0	102	5510	2.28	2.57	2.62	2.69	96.97	8.70	≤9.00	Pass
11ac-VHT40	MCS0	118	5590	2.34	2.55	2.48	2.50	96.97	8.62	≤9.00	Pass



11ac-VHT40	MCS0	134	5670	2.71	2.82	2.25	2.51	96.97	8.73	≤9.00	Pass
11ac-VHT40	MCS0	142	5710	2.29	2.46	2.24	2.65	96.97	8.57	≤9.00	Pass
11ac-VHT80	MCS0	42	5210	0.52	-0.33	0.91	-0.18	93.87	6.56	≤ 15.00	Pass
11ac-VHT80	MCS0	58	5290	-1.65	-1.29	-1.37	-0.26	93.87	5.19	≤9.00	Pass
11ac-VHT80	MCS0	106	5530	-1.07	-0.50	-0.83	0.24	93.87	5.78	≤9.00	Pass
11ac-VHT80	MCS0	122	5610	0.58	0.89	0.38	0.59	93.87	6.91	≤9.00	Pass
11ac-VHT80	MCS0	138	5690	0.27	0.79	0.23	0.36	93.87	6.71	≤9.00	Pass
802.11ac-VHT160 Straddle 5.15-5.25GHz											
11ac-VHT160	MCS0	50	5250	-6.07	-5.94	-5.85	-5.94	89.49	0.55	≤8.99	Pass
802.11ac-VHT160 Straddle 5.25-5.35GHz											
11ac-VHT160	MCS0	50	5250	-6.38	-5.94	-6.33	-6.17	89.49	0.30	≤8.99	Pass
11ac-VHT160	MCS0	114	5570	-6.29	-4.41	-5.81	-4.13	89.49	1.44	≤8.99	Pass
11ax-HE20	MCS0	36	5180	6.87	7.14	6.00	6.96	97.76	12.88	≤ 15.00	Pass
11ax-HE20	MCS0	44	5220	5.73	5.86	5.38	6.32	97.76	11.95	≤ 15.00	Pass
11ax-HE20	MCS0	48	5240	5.30	5.67	5.20	6.38	97.76	11.78	≤ 15.00	Pass
11ax-HE20	MCS0	52	5260	2.36	2.68	2.58	2.83	97.76	8.73	≤9.00	Pass
11ax-HE20	MCS0	60	5300	2.47	2.51	2.36	2.54	97.76	8.59	≤9.00	Pass
11ax-HE20	MCS0	64	5320	2.72	2.63	2.38	2.43	97.76	8.66	≤9.00	Pass
11ax-HE20	MCS0	100	5500	2.54	2.75	2.71	2.54	97.76	8.76	≤9.00	Pass
11ax-HE20	MCS0	120	5600	2.36	2.62	2.53	2.85	97.76	8.71	≤9.00	Pass
11ax-HE20	MCS0	140	5700	2.27	2.65	2.42	2.96	97.76	8.70	≤9.00	Pass
11ax-HE20	MCS0	144	5720	2.22	2.66	2.25	2.71	97.76	8.58	≤9.00	Pass
11ax-HE40	MCS0	38	5190	3.98	4.42	3.29	3.50	95.99	10.02	≤ 15.00	Pass
11ax-HE40	MCS0	46	5230	2.80	2.77	2.04	3.66	95.99	9.05	≤ 15.00	Pass
11ax-HE40	MCS0	54	5270	2.57	2.81	2.64	2.84	95.99	8.91	≤9.00	Pass
11ax-HE40	MCS0	62	5310	2.20	2.65	2.75	2.43	95.99	8.71	≤9.00	Pass
11ax-HE40	MCS0	102	5510	2.51	2.84	2.69	2.46	95.99	8.83	≤9.00	Pass
11ax-HE40	MCS0	118	5590	2.48	2.51	2.43	2.45	95.99	8.67	≤9.00	Pass
11ax-HE40	MCS0	134	5670	2.59	2.65	2.32	2.45	95.99	8.70	≤9.00	Pass
11ax-HE40	MCS0	142	5710	2.57	2.55	2.45	2.65	95.99	8.75	≤9.00	Pass
11ax-HE80	MCS0	42	5210	0.54	0.61	0.74	0.80	92.38	7.04	≤ 15.00	Pass
11ax-HE80	MCS0	58	5290	-1.58	-1.74	-1.59	-0.72	92.38	4.98	≤9.00	Pass
11ax-HE80	MCS0	106	5530	-0.01	0.12	0.12	0.40	92.38	6.52	≤9.00	Pass
11ax-HE80	MCS0	122	5610	0.15	0.25	0.03	0.28	92.38	6.54	≤9.00	Pass
11ax-HE80	MCS0	138	5690	-0.03	0.45	0.09	0.05	92.38	6.51	≤9.00	Pass
802.11ax-HE160 Straddle 5.15-5.25GHz											
11ax-HE160	MCS0	50	5250	-5.78	-5.6	-6.04	-5.57	88.15	0.82	≤9.00	Pass



802.11ax-HE160 Straddle 5.25-5.35GHz											
11ax-HE160	MCS0	50	5250	-6.37	-6.04	-6.81	-6.37	88.15	0.18	≤9.00	Pass
11ax-HE160	MCS0	114	5570	-5.27	-3.68	-4.94	-3.25	88.15	2.36	≤9.00	Pass

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

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

Note 3: PSD Limit (dBm/MHz) = 17dBm/MHz - (8.0dBi - 6dBi) = 15.00dBm/MHz.

PSD Limit (dBm/MHz) = 11dBm/MHz - (8.0dBi - 6dBi) = 9.00dBm/MHz.



Product	ACCESS POINT	Temperature	22°C
Test Engineer	Kevin Ker	Relative Humidity	54%
Test Site	SR2	Test Date	2020/01/09 ~ 2020/03/18
Test Item	Power Spectral Density (UNII-Band 3)		

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	Total PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
Ant 0 + 1 + 2 + 3												
11a	6Mbps	149	5745	1.05	2.22	2.13	1.91	94.93	6.99	15.09	≤ 27.99	Pass
11a	6Mbps	157	5785	0.92	2.24	1.95	2.69	94.93	6.99	15.23	≤ 27.99	Pass
11a	6Mbps	165	5825	0.79	2.45	2.25	1.67	94.93	6.99	15.07	≤ 27.99	Pass
11ac-VHT20	MCS0	149	5745	1.23	2.08	1.89	1.83	98.47	6.99	14.78	≤ 27.99	Pass
11ac-VHT20	MCS0	157	5785	0.99	2.10	2.10	1.70	98.47	6.99	14.76	≤ 27.99	Pass
11ac-VHT20	MCS0	165	5825	0.81	2.11	2.39	2.23	98.47	6.99	14.94	≤ 27.99	Pass
11ac-VHT40	MCS0	151	5755	-1.06	-0.70	-0.68	-0.55	96.97	6.99	12.40	≤ 27.99	Pass
11ac-VHT40	MCS0	159	5795	-1.30	-0.08	-0.61	-0.39	96.97	6.99	12.57	≤ 27.99	Pass
11ac-VHT80	MCS0	155	5775	-6.59	-6.03	-6.32	-5.06	93.87	6.99	7.33	≤ 27.99	Pass
11ax-HE20	MCS0	149	5745	0.27	0.92	1.07	0.86	97.76	6.99	13.90	≤ 27.99	Pass
11ax-HE20	MCS0	157	5785	0.30	1.05	1.10	1.42	97.76	6.99	14.10	≤ 27.99	Pass
11ax-HE20	MCS0	165	5825	0.62	1.36	0.81	1.19	97.76	6.99	14.11	≤ 27.99	Pass
11ax-HE40	MCS0	151	5755	-1.94	-1.29	-1.69	-1.14	95.99	6.99	11.68	≤ 27.99	Pass
11ax-HE40	MCS0	159	5795	-2.04	-1.08	-1.53	-1.59	95.99	6.99	11.64	≤ 27.99	Pass
11ax-HE80	MCS0	155	5775	-7.43	-6.85	-7.05	-6.61	92.38	6.99	6.38	≤ 27.99	Pass

Note 1: When EUT duty cycle ≥ 98%, Total PSD (dBm/500kHz) =  $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$  (dBm/100kHz) + Constant Factor.

Note 2: When EUT duty cycle < 98%, Total PSD (dBm/500kHz) =  $10 \cdot \log\{10^{(\text{Ant 0 PSD}/10)} + 10^{(\text{Ant 1 PSD}/10)} + 10^{(\text{Ant 2 PSD}/10)} + 10^{(\text{Ant 3 PSD}/10)}\}$  (dBm/100kHz) + Constant Factor +  $10 \cdot \log(1/\text{Duty Cycle})$ .

Note 3: PSD Limit (dBm/500kHz) = 30dBm/500kHz - (8.01dBi - 6dBi) = 27.99dBm/500kHz.

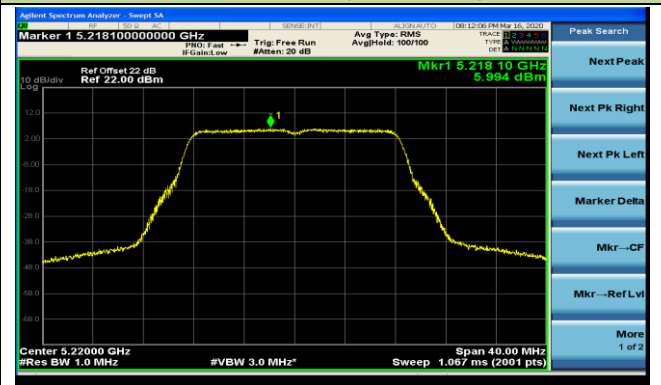


## 802.11a Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

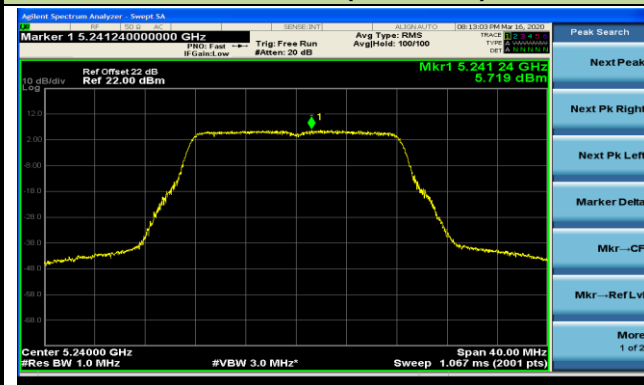
### Channel 36 (5180MHz)



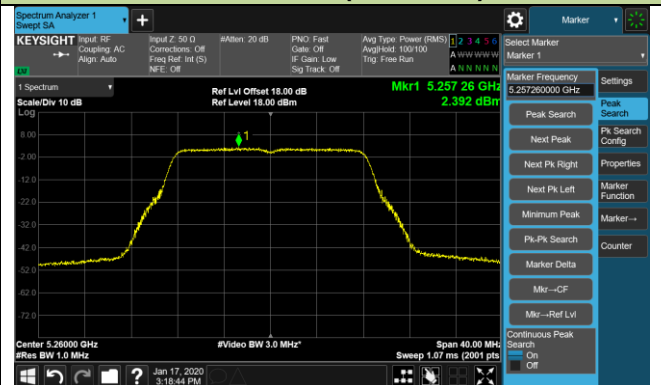
### Channel 44 (5220MHz)



### Channel 48 (5240MHz)



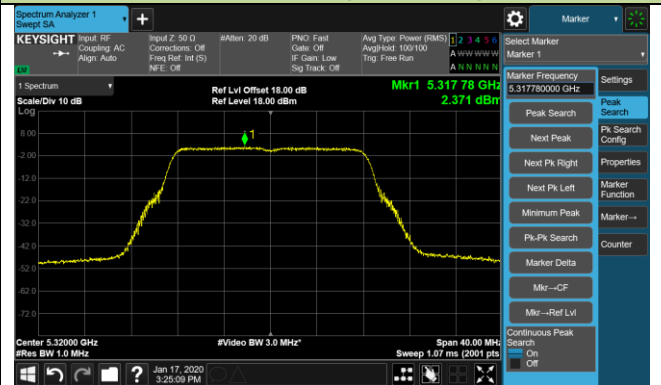
### Channel 52 (5260MHz)



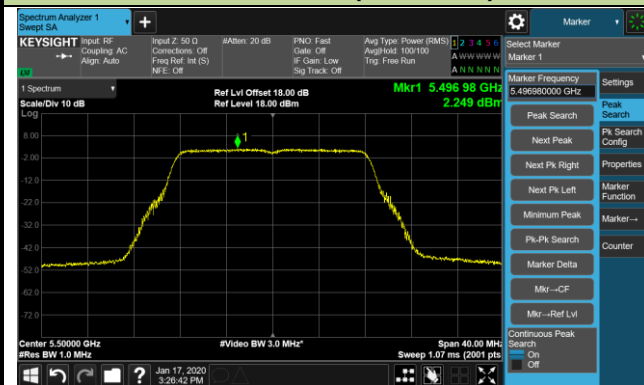
### Channel 60 (5300MHz)



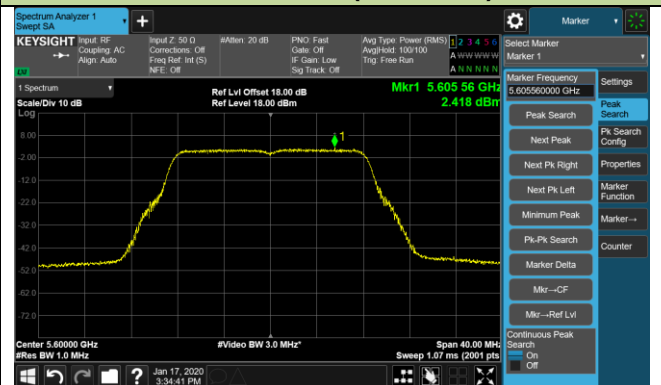
### Channel 64 (5320MHz)



### Channel 100 (5500MHz)



### Channel 120 (5600MHz)

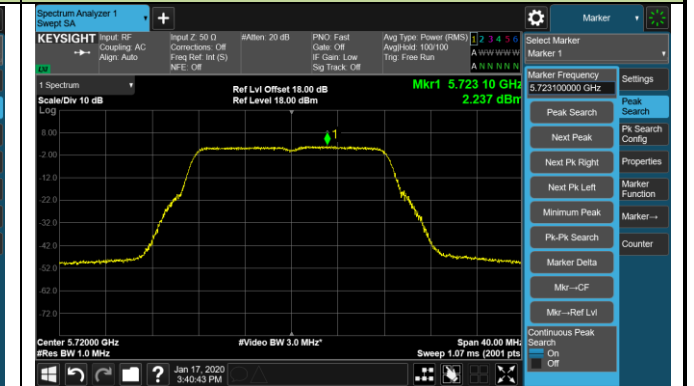


## 802.11a Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

### Channel 140 (5700MHz)



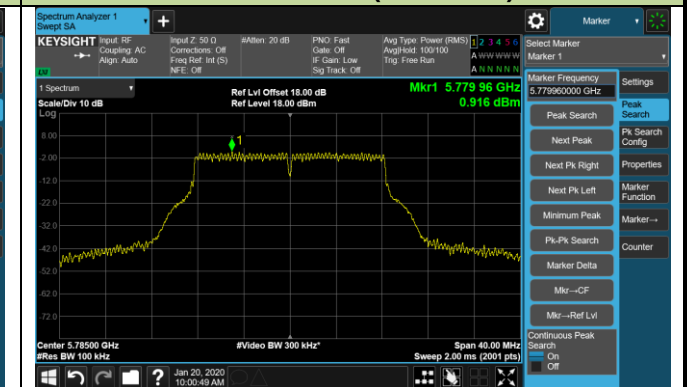
### Channel 144 (5720MHz)



### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

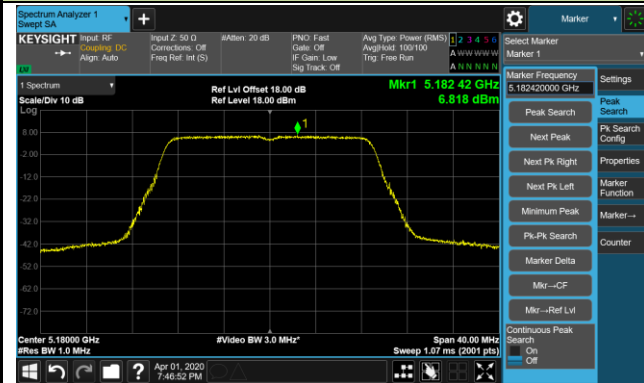


### Channel 165 (5825MHz)

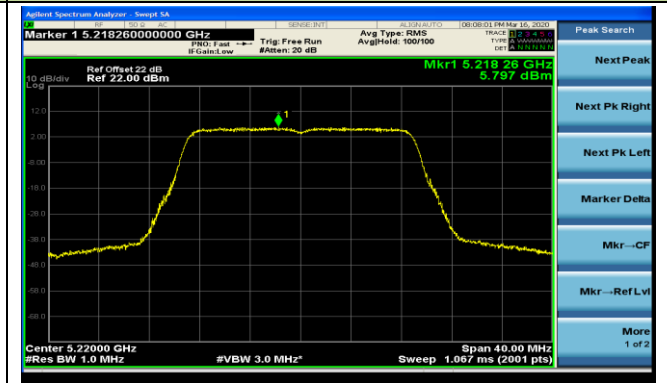


## 802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

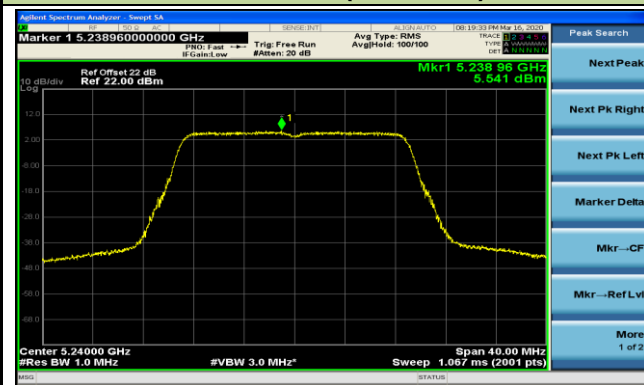
### Channel 36 (5180MHz)



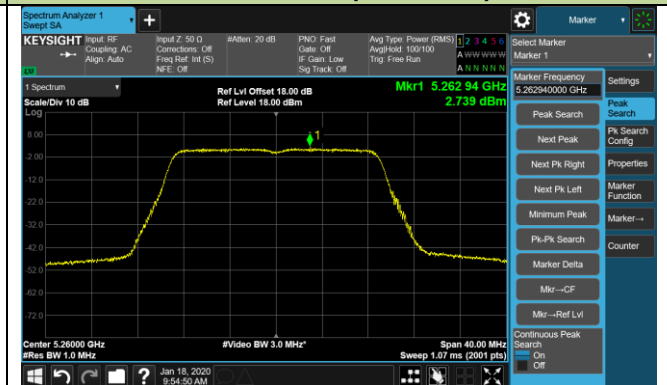
### Channel 44 (5220MHz)



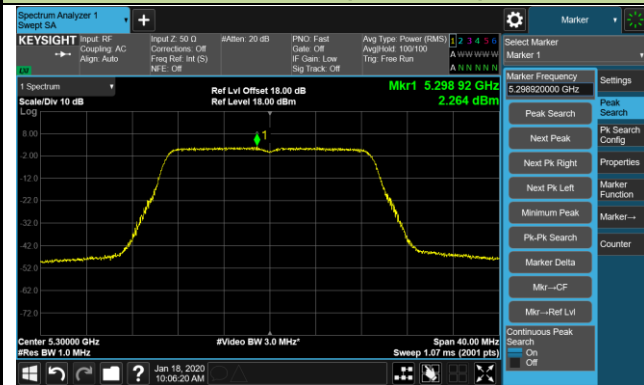
### Channel 48 (5240MHz)



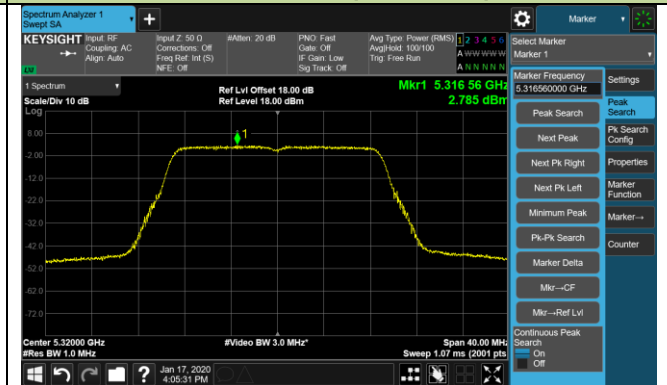
### Channel 52 (5260MHz)



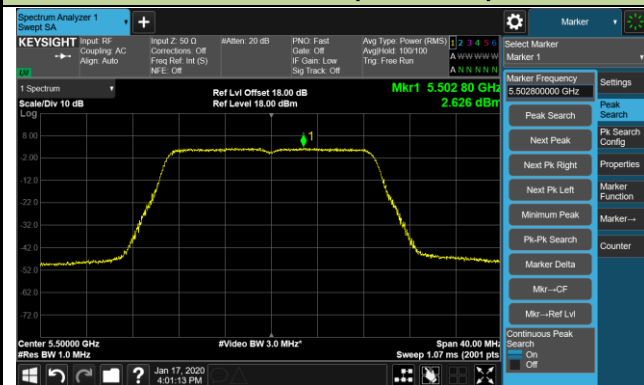
### Channel 60 (5300MHz)



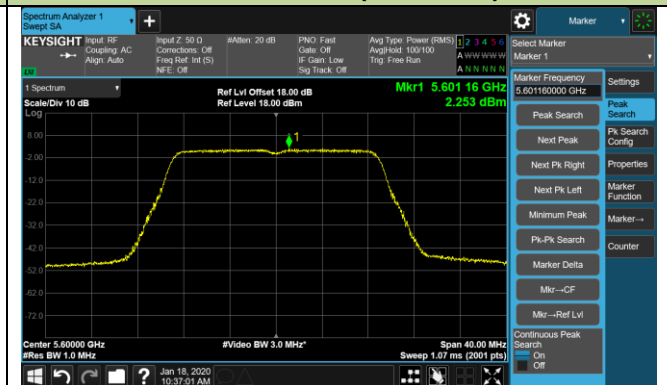
### Channel 64 (5320MHz)



### Channel 100 (5500MHz)

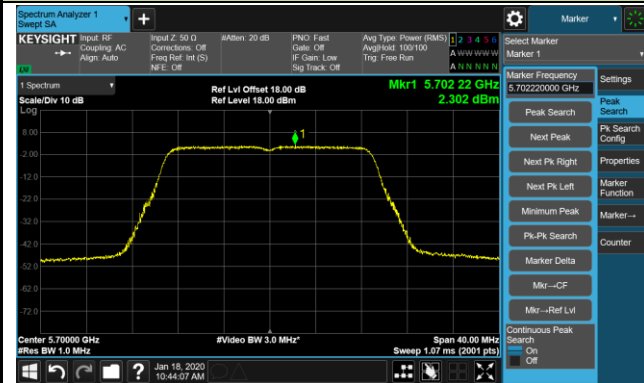


### Channel 120 (5600MHz)

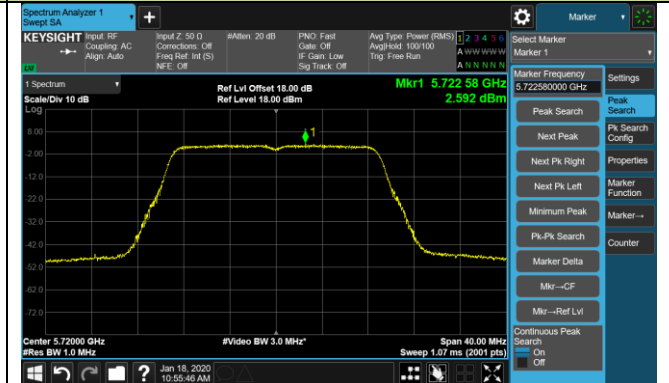


## 802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

### Channel 140 (5700MHz)



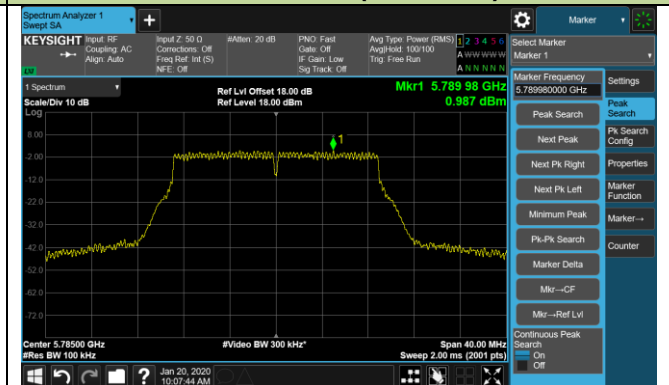
### Channel 144 (5720MHz)



### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

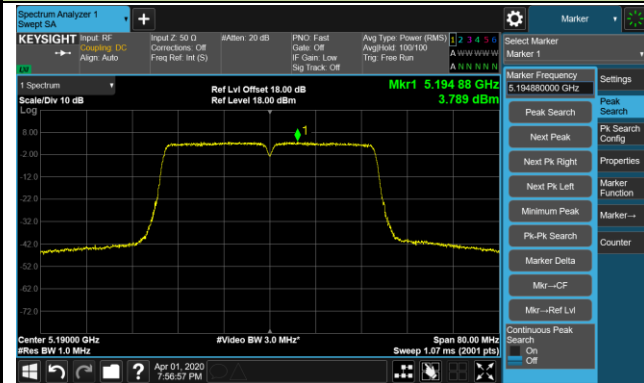


### Channel 165 (5825MHz)

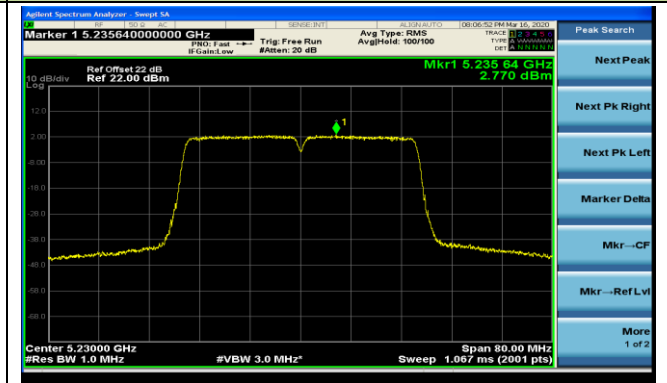


## 802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

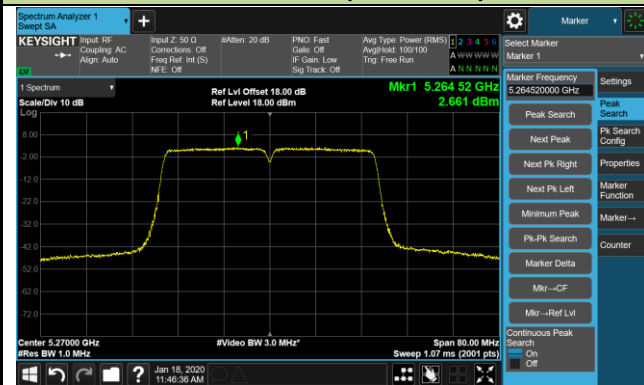
### Channel 38 (5190MHz)



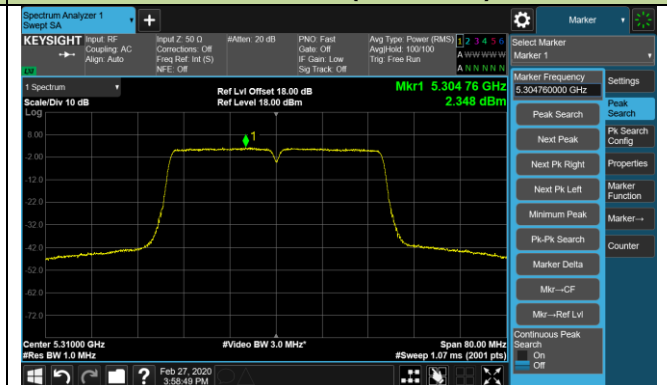
### Channel 46 (5230MHz)



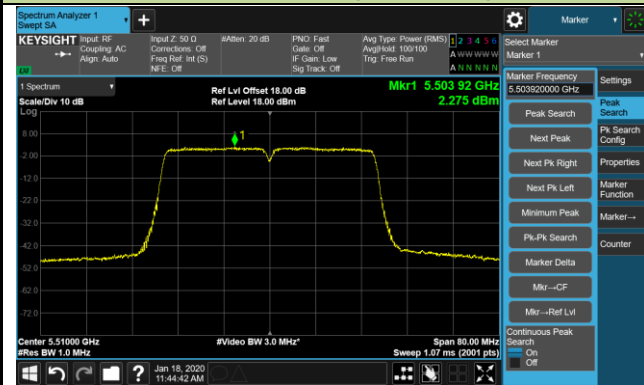
### Channel 54 (5270MHz)



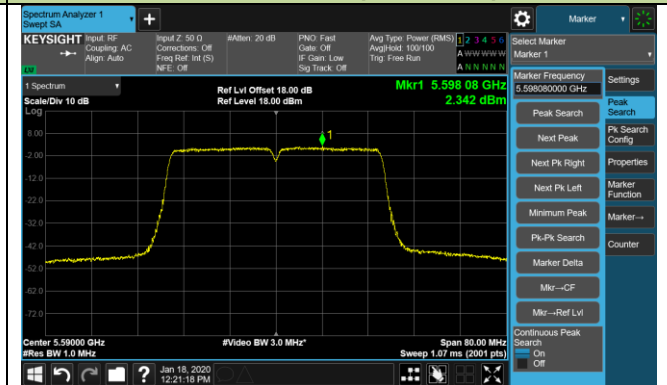
### Channel 62 (5310MHz)



### Channel 102 (5510MHz)

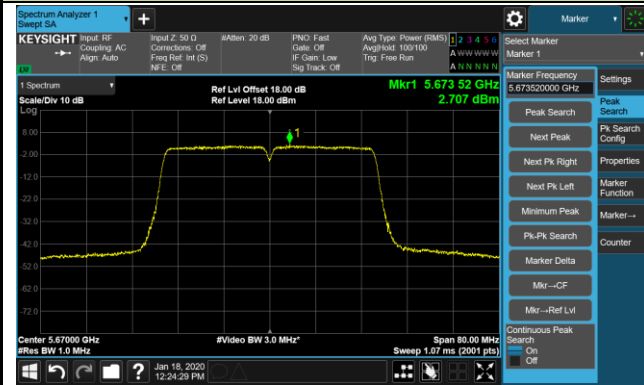


### Channel 118 (5590MHz)

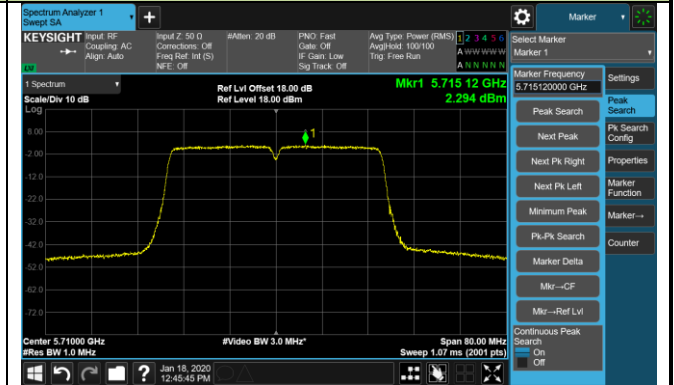


## 802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

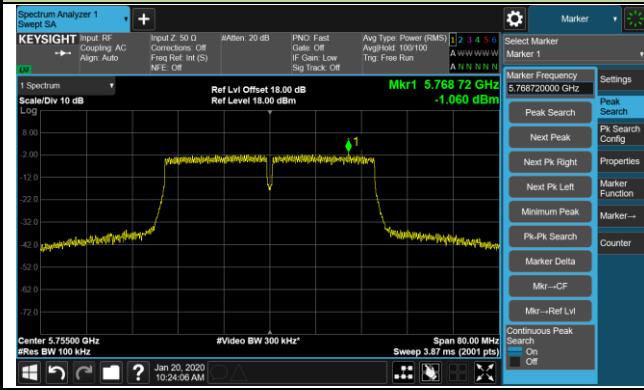
### Channel 134 (5670MHz)



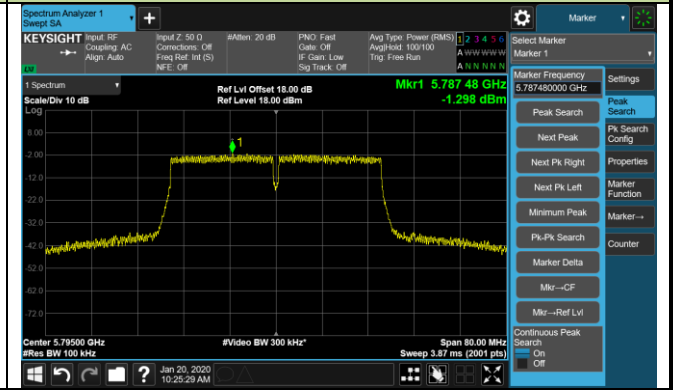
### Channel 142 (5710MHz)



### Channel 151 (5755MHz)

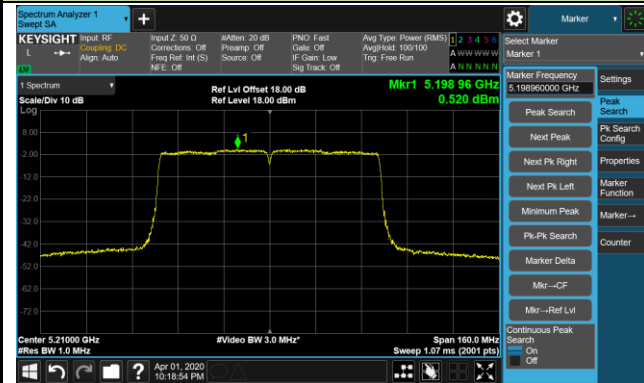


### Channel 159 (5795MHz)

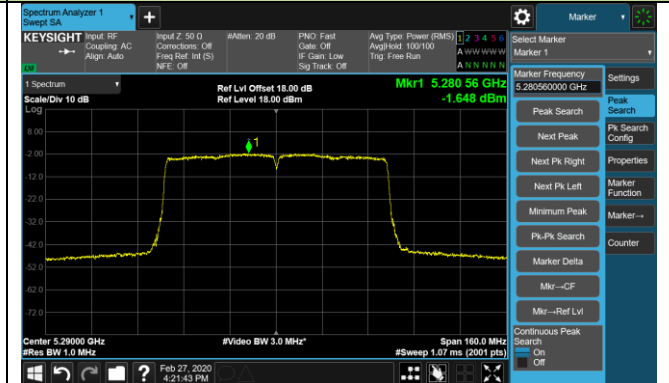


## 802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

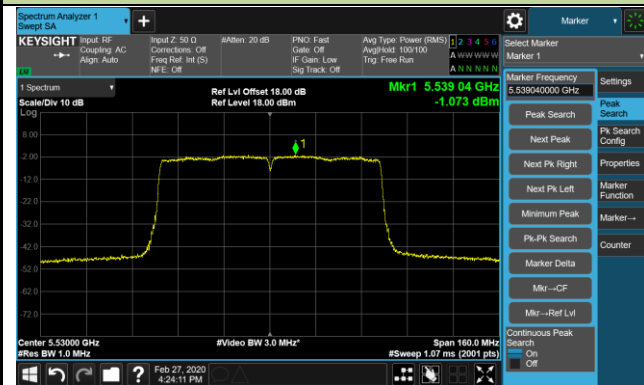
### Channel 42 (5210MHz)



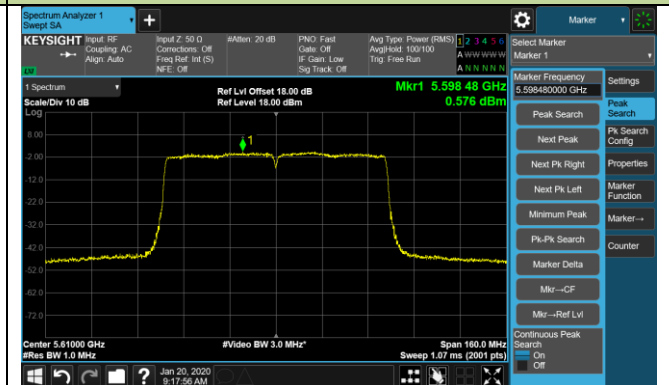
### Channel 58 (5290MHz)



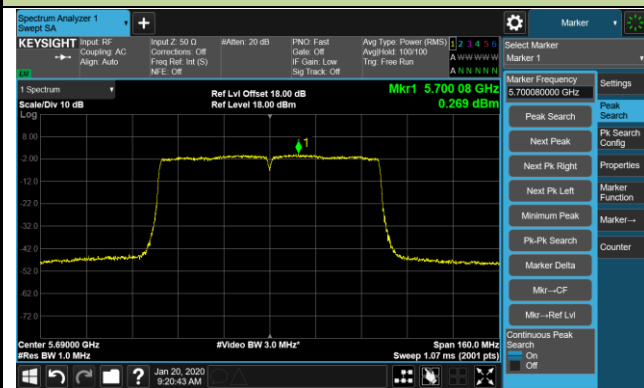
### Channel 106 (5530MHz)



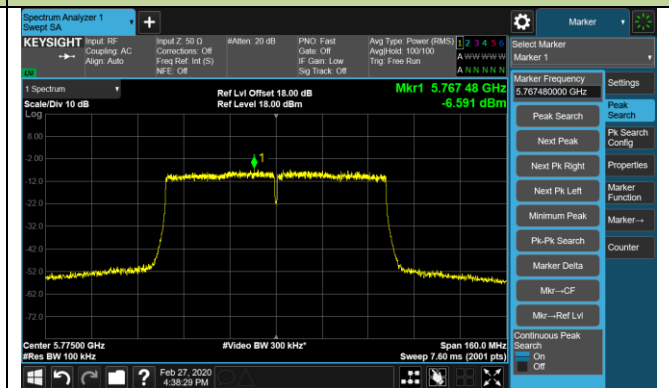
### Channel 122 (5610MHz)



### Channel 138 (5690MHz)

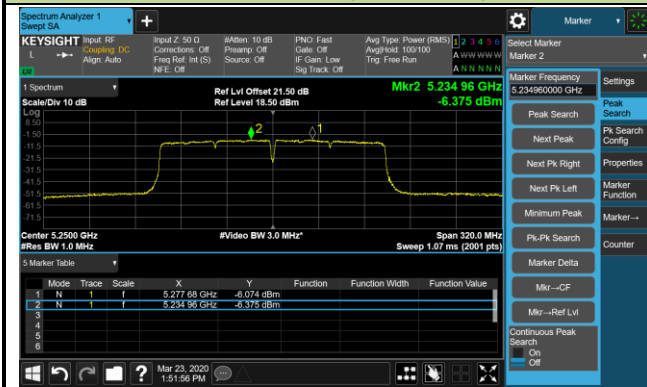


### Channel 155 (5775MHz)

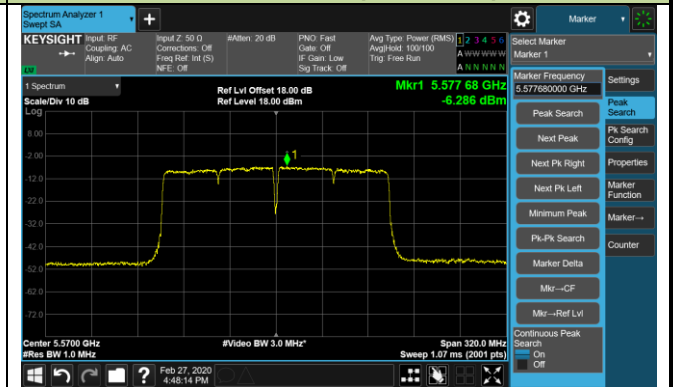


## 802.11ac-VHT160 Power Spectral Density - Ant 0 / Ant 0 + 1 (Ant 0 + 1 + 2 + 3)

### Channel 50 (5250MHz)



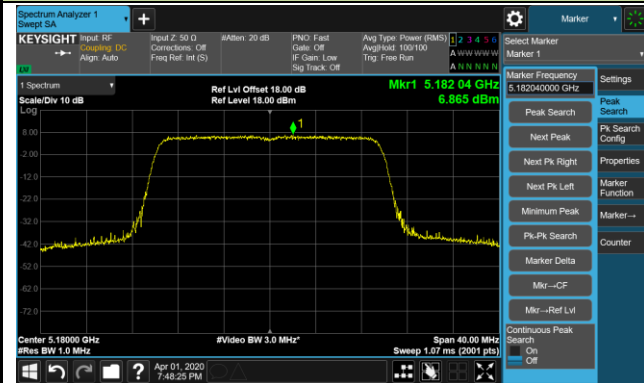
### Channel 114 (5570MHz)



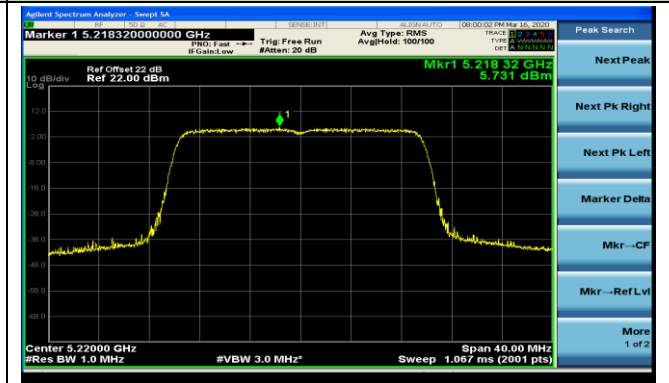


## 802.11ax-HE20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

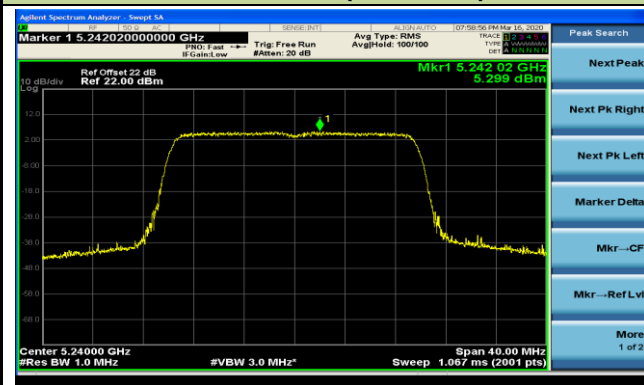
### Channel 36 (5180MHz)



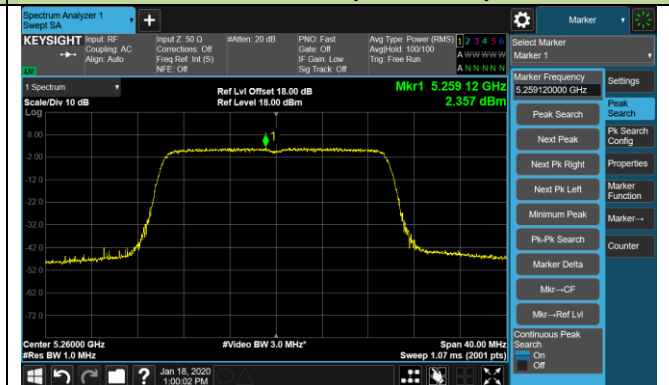
### Channel 44 (5220MHz)



### Channel 48 (5240MHz)



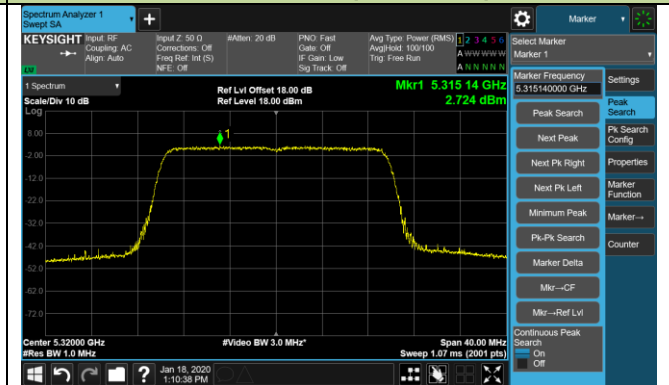
### Channel 52 (5260MHz)



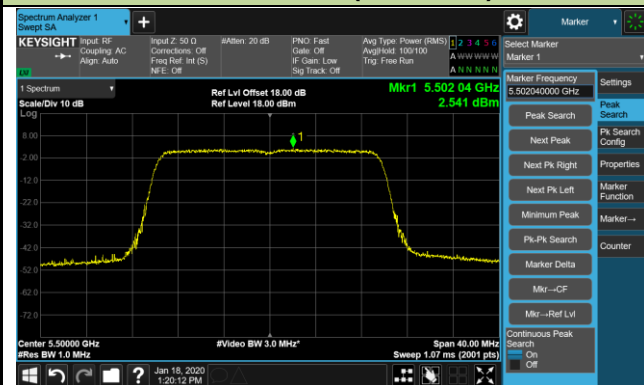
### Channel 60 (5300MHz)



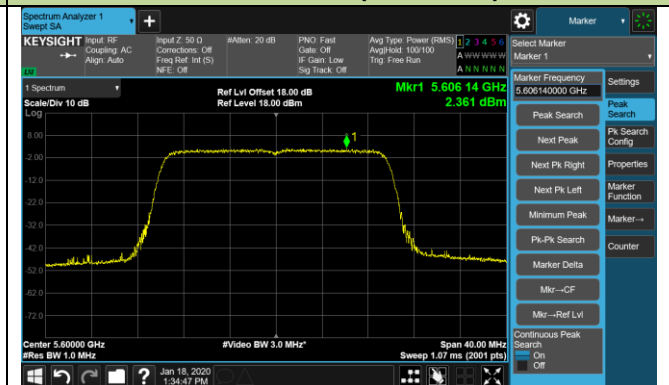
### Channel 64 (5320MHz)



### Channel 100 (5500MHz)

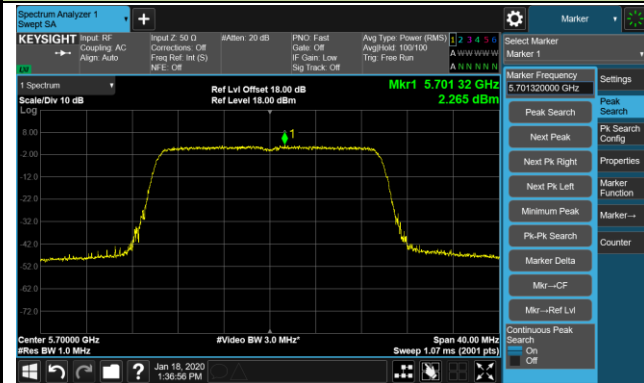


### Channel 120 (5600MHz)

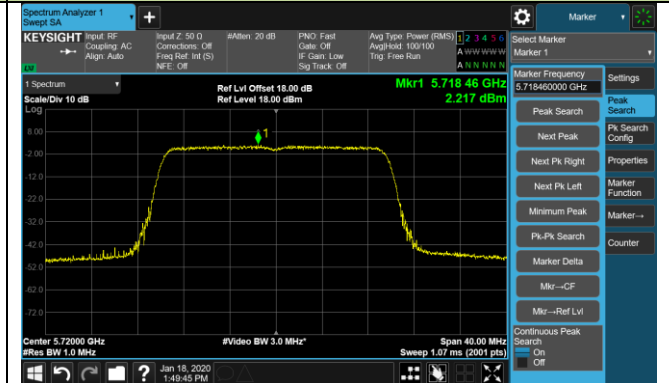


## 802.11ax-HE20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

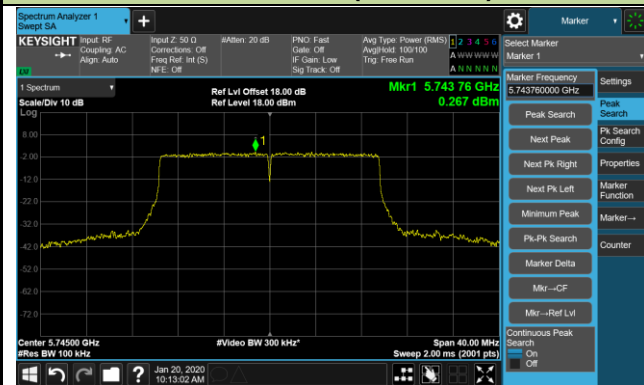
### Channel 140 (5700MHz)



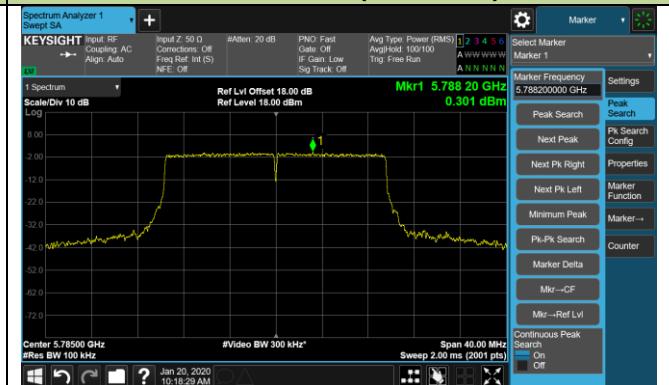
### Channel 144 (5720MHz)



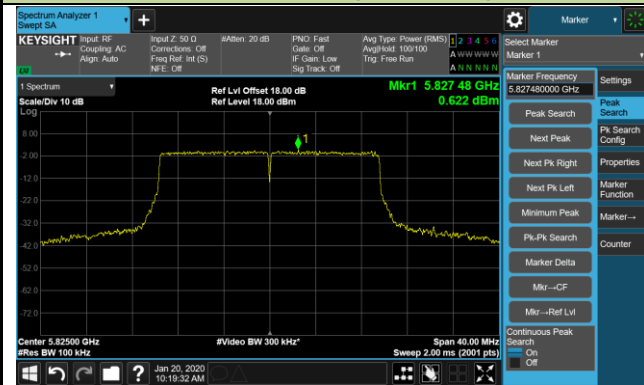
### Channel 149 (5745MHz)



### Channel 157 (5785MHz)

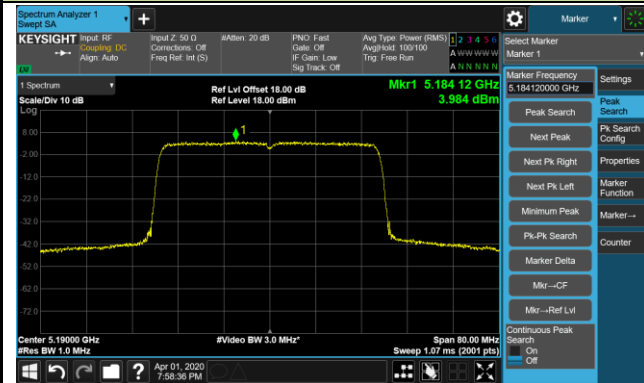


### Channel 165 (5825MHz)

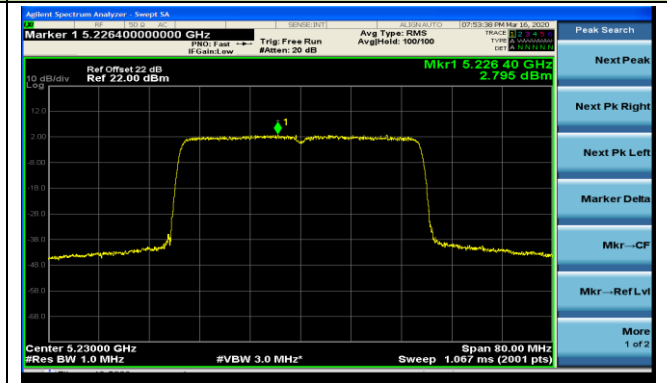


## 802.11ax-HE40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

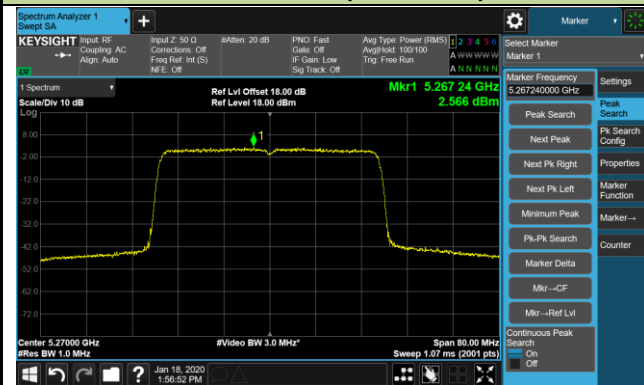
### Channel 38 (5190MHz)



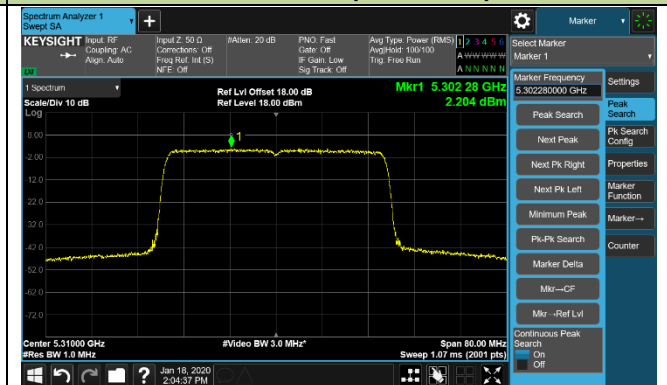
### Channel 46 (5230MHz)



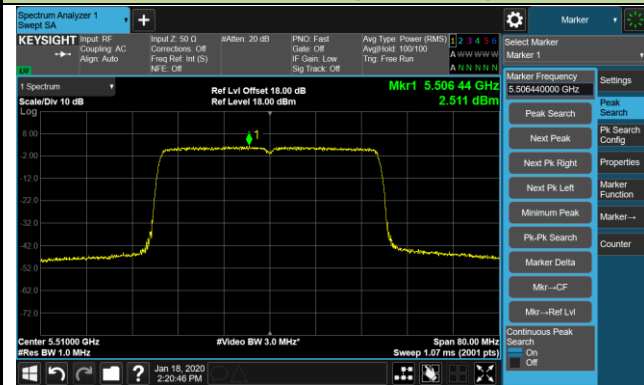
### Channel 54 (5270MHz)



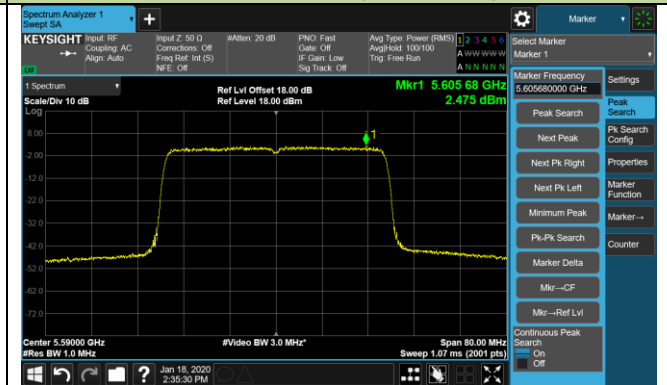
### Channel 62 (5310MHz)



### Channel 102 (5510MHz)

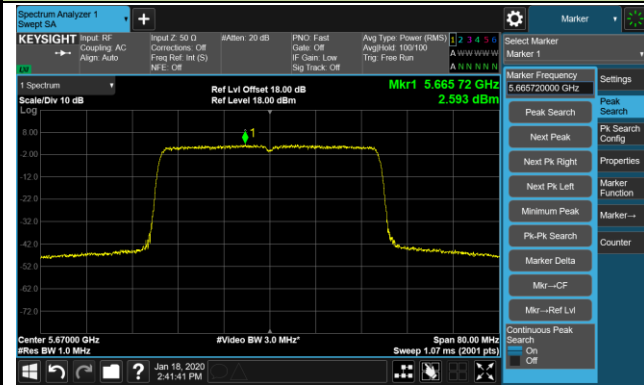


### Channel 118 (5590MHz)

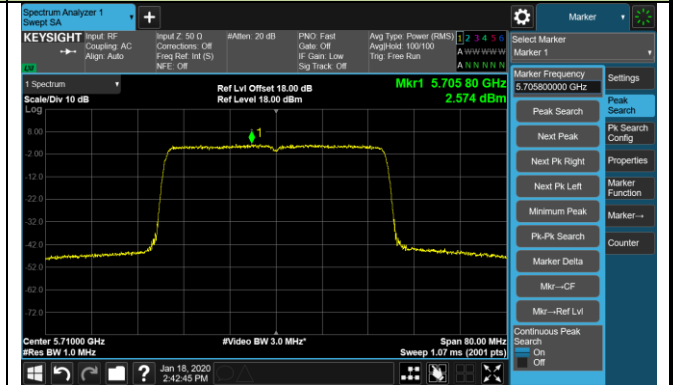


## 802.11ax-HE40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

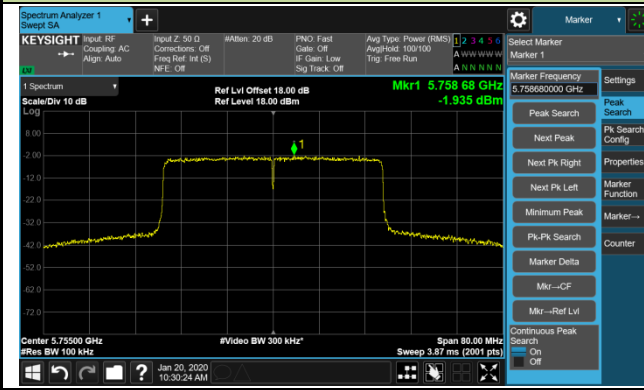
### Channel 134 (5670MHz)



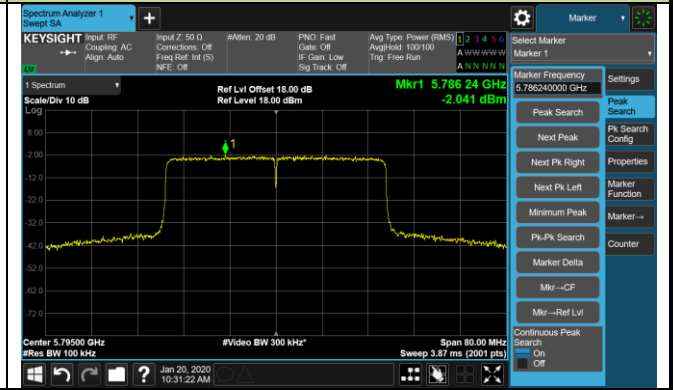
### Channel 142 (5710MHz)



### Channel 151 (5755MHz)

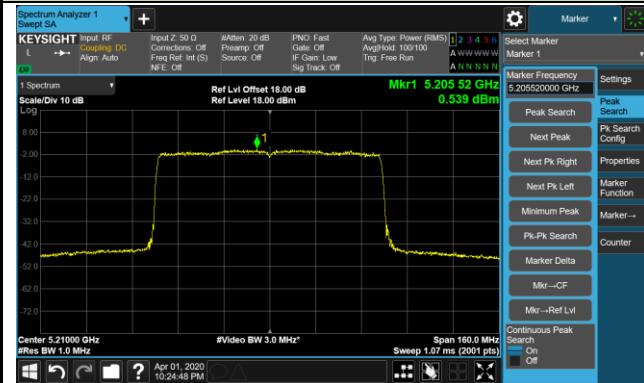


### Channel 159 (5795MHz)

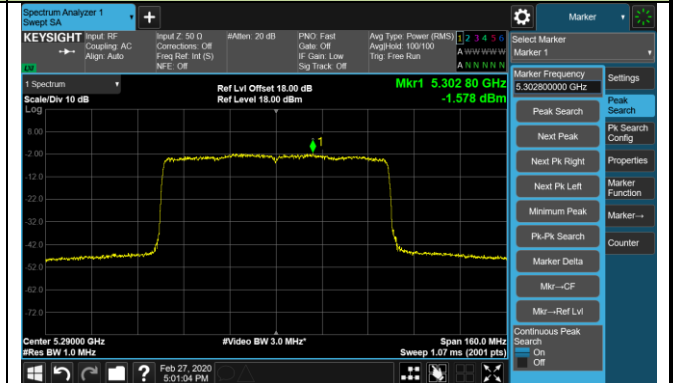


## 802.11ax-HE80 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

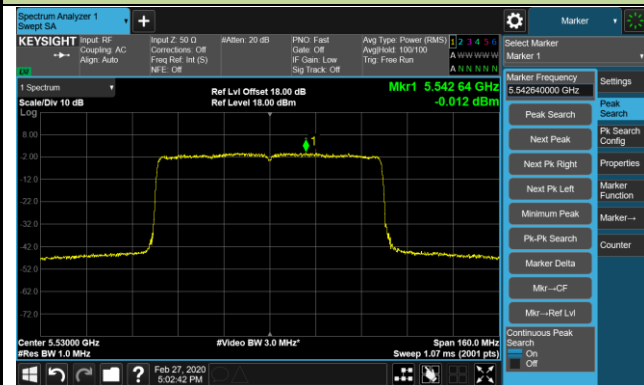
### Channel 42 (5210MHz)



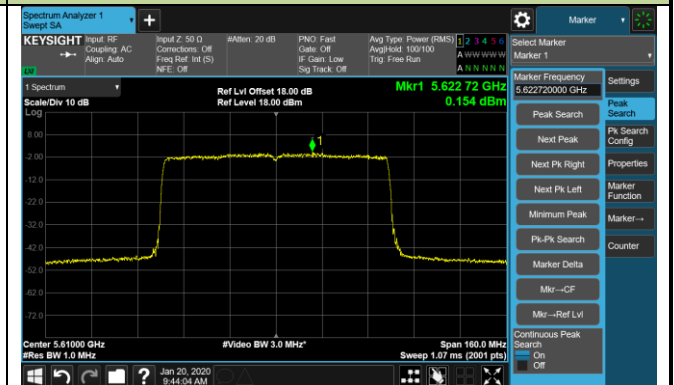
### Channel 58 (5290MHz)



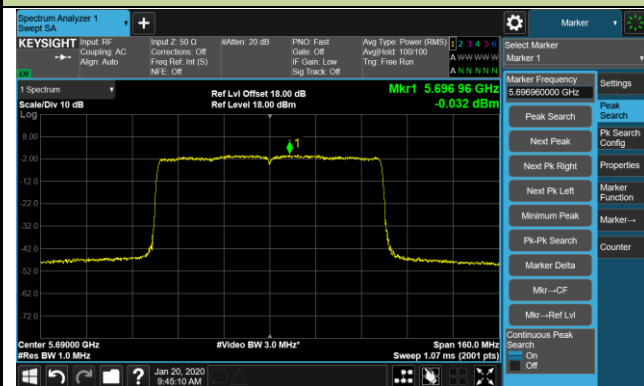
### Channel 106 (5530MHz)



### Channel 122 (5610MHz)



### Channel 138 (5690MHz)



### Channel 155 (5775MHz)

