Annex F

WLAN 802.11a/n/ac/ax Test Result

Model No.: APEX0577

Description Page

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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	2020/02/15
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	8.47	9.41	8.88	8.59	14.87	≤ 30.00	20.47	≤ 21.00	Pass
11a	6Mbps	44	5220	8.07	8.98	8.20	8.24	14.41	≤ 30.00	20.01	≤ 21.00	Pass
11a	6Mbps	48	5240	8.71	9.38	8.92	8.86	15.00	≤ 30.00	20.60	≤ 21.00	Pass
11a	6Mbps	52	5260	12.88	13.70	12.98	13.10	19.20	≤ 23.98	--	--	Pass
11a	6Mbps	60	5300	13.13	13.71	12.89	13.08	19.23	≤ 23.98	--	--	Pass
11a	6Mbps	64	5320	13.28	14.05	13.01	13.28	19.44	≤ 23.98	--	--	Pass
11a	6Mbps	100	5500	13.50	13.90	13.20	13.41	19.53	≤ 23.98	--	--	Pass
11a	6Mbps	120	5600	12.95	14.05	13.24	13.46	19.46	≤ 23.98	--	--	Pass
11a	6Mbps	140	5700	12.95	14.01	13.15	13.22	19.37	≤ 23.98	--	--	Pass
11a	6Mbps	144	5720	12.95	14.04	13.03	13.25	19.36	≤ 22.92	--	--	Pass
11a	6Mbps	149	5745	23.60	24.58	23.79	23.63	29.94	≤ 30.00	--	--	Pass
11a	6Mbps	157	5785	23.51	24.45	23.69	23.42	29.81	≤ 30.00	--	--	Pass
11a	6Mbps	165	5825	23.31	24.23	23.78	23.33	29.70	≤ 30.00	--	--	Pass
11ac-VHT20	MCS0	36	5180	9.63	9.23	8.48	8.24	14.95	≤ 30.00	20.55	≤ 21.00	Pass
11ac-VHT20	MCS0	44	5220	8.76	8.60	8.27	7.85	14.40	≤ 30.00	20.00	≤ 21.00	Pass
11ac-VHT20	MCS0	48	5240	8.46	9.58	8.88	8.24	14.84	≤ 30.00	20.44	≤ 21.00	Pass
11ac-VHT20	MCS0	52	5260	13.27	13.89	13.30	13.49	19.52	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	60	5300	13.30	13.92	13.09	13.29	19.43	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	64	5320	13.31	13.97	13.19	13.37	19.49	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	100	5500	13.55	13.87	13.31	13.41	19.56	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	120	5600	13.12	14.24	13.04	13.09	19.42	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	140	5700	12.72	13.96	12.99	13.01	19.22	≤ 23.98	--	--	Pass
11ac-VHT20	MCS0	144	5720	12.71	13.96	12.83	12.99	19.17	≤ 22.96	--	--	Pass

11ac-VHT20	MCS0	149	5745	23.50	24.66	23.88	23.63	29.96	≤ 30.00	--	--	Pass
11ac-VHT20	MCS0	157	5785	23.71	24.45	23.72	23.39	29.86	≤ 30.00	--	--	Pass
11ac-VHT20	MCS0	165	5825	23.31	24.48	23.73	23.37	29.77	≤ 30.00	--	--	Pass
11ac-VHT40	MCS0	38	5190	9.72	8.88	8.59	8.32	14.93	≤ 30.00	20.53	≤ 21.00	Pass
11ac-VHT40	MCS0	46	5230	8.50	9.36	8.51	8.62	14.78	≤ 30.00	20.38	≤ 21.00	Pass
11ac-VHT40	MCS0	54	5270	16.23	16.66	16.11	16.14	22.31	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	62	5310	16.04	16.58	16.17	16.09	22.25	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	102	5510	16.06	16.73	16.43	16.22	22.39	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	118	5590	16.02	16.60	16.14	15.97	22.21	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	134	5670	15.90	16.59	15.86	16.05	22.13	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	142	5710	15.68	16.41	15.74	15.98	21.98	≤ 23.98	--	--	Pass
11ac-VHT40	MCS0	151	5755	23.39	24.50	23.62	23.21	29.73	≤ 30.00	--	--	Pass
11ac-VHT40	MCS0	159	5795	23.18	24.31	23.30	23.14	29.53	≤ 30.00	--	--	Pass
11ac-VHT80	MCS0	42	5210	8.85	9.18	8.23	8.46	14.72	≤ 30.00	20.32	≤ 21.00	Pass
11ac-VHT80	MCS0	58	5290	17.53	18.21	17.20	17.73	23.70	≤ 23.98	--	--	Pass
11ac-VHT80	MCS0	106	5530	17.63	18.18	17.68	17.65	23.81	≤ 23.98	--	--	Pass
11ac-VHT80	MCS0	122	5610	17.37	18.06	17.65	17.51	23.68	≤ 23.98	--	--	Pass
11ac-VHT80	MCS0	138	5690	17.21	17.71	17.49	17.08	23.40	≤ 23.98	--	--	Pass
11ac-VHT80	MCS0	155	5775	19.85	20.53	19.83	19.70	26.01	≤ 30.00	--	--	Pass
802.11ac-VHT160 Straddle 5.15-5.25GHz												
11ac-VHT160	MCS0	50	5250	7.97	7.42	8.03	8.16	13.92	≤ 23.98	19.52	≤ 21.00	Pass
802.11ac-VHT160 Straddle 5.25-5.35GHz												
11ac-VHT160	MCS0	50	5250	7.91	8.13	7.81	8.06	14.00	≤ 23.98	--	--	Pass
11ac-VHT160	**MCS0**	**50**	**5250**	**10.95**	**10.80**	**10.93**	**11.12**	**16.97**	**--**	**--**	**--**	**--**
Note: The total power was calculated through formula and recorded the value for reference only.												
11ac-VHT160	MCS0	114	5570	17.55	18.05	17.31	17.53	23.64	≤ 23.98	--	--	Pass
11ax-HE20	MCS0	36	5180	9.44	8.90	8.65	8.99	15.03	≤ 30.00	20.63	≤ 21.00	Pass
11ax-HE20	MCS0	44	5220	7.85	8.90	8.62	8.30	14.46	≤ 30.00	20.06	≤ 21.00	Pass
11ax-HE20	MCS0	48	5240	8.73	9.72	9.08	9.25	15.23	≤ 30.00	20.83	≤ 21.00	Pass
11ax-HE20	MCS0	52	5260	13.54	14.02	13.31	13.64	19.66	≤ 23.98	--	--	Pass
11ax-HE20	MCS0	60	5300	13.45	14.05	13.22	13.60	19.61	≤ 23.98	--	--	Pass
11ax-HE20	MCS0	64	5320	13.40	14.11	13.30	13.32	19.57	≤ 23.98	--	--	Pass
11ax-HE20	MCS0	100	5500	13.67	14.00	13.37	13.48	19.66	≤ 23.98	--	--	Pass
11ax-HE20	MCS0	120	5600	13.18	14.35	13.36	13.60	19.67	≤ 23.98	--	--	Pass
11ax-HE20	MCS0	140	5700	13.09	14.25	13.19	13.25	19.49	≤ 23.98	--	--	Pass
11ax-HE20	MCS0	144	5720	12.92	14.18	13.23	13.24	19.44	≤ 22.96	--	--	Pass
11ax-HE20	MCS0	149	5745	23.61	24.56	23.74	23.38	29.87	≤ 30.00	--	--	Pass

11ax-HE20	MCS0	157	5785	23.55	24.37	23.61	23.41	29.77	≤ 30.00	--	--	Pass
11ax-HE20	MCS0	165	5825	23.63	24.53	23.89	23.43	29.91	≤ 30.00	--	--	Pass
11ax-HE40	MCS0	38	5190	9.16	8.65	7.51	7.75	14.34	≤ 30.00	19.94	≤ 21.00	Pass
11ax-HE40	MCS0	46	5230	8.61	9.64	9.02	8.74	15.04	≤ 30.00	20.64	≤ 21.00	Pass
11ax-HE40	MCS0	54	5270	16.30	16.58	16.17	16.12	22.32	≤ 23.98	--	--	Pass
11ax-HE40	MCS0	62	5310	16.22	16.69	16.20	16.10	22.33	≤ 23.98	--	--	Pass
11ax-HE40	MCS0	102	5510	15.84	16.61	16.19	16.12	22.22	≤ 23.98	--	--	Pass
11ax-HE40	MCS0	118	5590	15.95	16.71	16.21	16.15	22.28	≤ 23.98	--	--	Pass
11ax-HE40	MCS0	134	5670	16.00	16.90	15.91	16.10	22.27	≤ 23.98	--	--	Pass
11ax-HE40	MCS0	142	5710	15.54	16.55	15.45	15.81	21.88	≤ 23.98	--	--	Pass
11ax-HE40	MCS0	151	5755	23.35	24.45	23.49	23.41	29.72	≤ 30.00	--	--	Pass
11ax-HE40	MCS0	159	5795	23.52	24.56	23.77	23.20	29.81	≤ 30.00	--	--	Pass
11ax-HE80	MCS0	42	5210	8.40	9.56	8.68	8.95	14.94	≤ 30.00	20.54	≤ 21.00	Pass
11ax-HE80	MCS0	58	5290	17.44	17.87	17.35	17.45	23.55	≤ 23.98	--	--	Pass
11ax-HE80	MCS0	106	5530	17.41	17.95	17.30	17.39	23.54	≤ 23.98	--	--	Pass
11ax-HE80	MCS0	122	5610	17.22	17.90	17.61	17.52	23.59	≤ 23.98	--	--	Pass
11ax-HE80	MCS0	138	5690	17.22	17.59	17.44	17.10	23.36	≤ 23.98	--	--	Pass
11ax-HE80	MCS0	155	5775	19.63	20.30	19.70	19.56	25.83	≤ 30.00	--	--	Pass
802.11ax-HE160 Straddle 5.15-5.25GHz												
11ax-HE160	MCS0	50	5250	8.24	7.81	8.22	8.45	14.21	≤ 23.98	19.81	≤ 21.00	Pass
802.11ax-HE160 Straddle 5.25-5.35GHz												
11ax-HE160	MCS0	50	5250	8.03	8.15	8.02	8.40	14.17	≤ 23.98	--	--	Pass
11ax-HE160	**MCS0**	**50**	**5250**	**11.15**	**10.99**	**11.13**	**11.44**	**17.20**	**--**	**--**	**--**	**--**
Note: The total power was calculated through formula and recorded the value for reference only.												
11ax-HE160	MCS0	114	5570	17.74	18.41	17.65	17.66	23.90	≤ 23.98	--	--	Pass

Note 1: Total Average Power (dBm) = 10*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) = 5.6dBi.

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*log(B) = 22.92, B = 21.09/2 + 5 = 15.55MHz,

802.11ac-VHT20 = 11 + 10*log(B) = 22.96, B = 21.41/2 + 5 = 15.71MHz,

802.11ax-HE20 = 11 + 10*log(B) = 22.96, B = 21.41/2 + 5 = 15.71MHz.

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 ~ 2020/03/23
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	-6.43	-6.13	-6.71	-5.81	94.93	-0.01	≤ 14.40	Pass
11a	6Mbps	44	5220	-7.31	-6.37	-6.97	-6.12	94.93	-0.42	≤ 14.40	Pass
11a	6Mbps	48	5240	-6.64	-6.09	-6.38	-6.26	94.93	-0.09	≤ 14.40	Pass
11a	6Mbps	52	5260	1.17	2.28	1.30	1.53	94.93	7.84	≤ 8.40	Pass
11a	6Mbps	60	5300	1.73	2.07	1.24	1.70	94.93	7.94	≤ 8.40	Pass
11a	6Mbps	64	5320	2.05	2.63	1.51	1.69	94.93	8.24	≤ 8.40	Pass
11a	6Mbps	100	5500	1.93	2.57	1.78	2.15	94.93	8.36	≤ 8.40	Pass
11a	6Mbps	120	5600	1.68	2.82	1.85	2.11	94.93	8.38	≤ 8.40	Pass
11a	6Mbps	140	5700	1.93	2.79	1.72	1.99	94.93	8.37	≤ 8.40	Pass
11a	6Mbps	144	5720	1.52	2.76	1.97	1.93	94.93	8.32	≤ 8.40	Pass
11ac-VHT20	MCS0	36	5180	-6.17	-6.10	-6.99	-6.91	98.47	-0.50	≤ 14.40	Pass
11ac-VHT20	MCS0	44	5220	-6.46	-6.93	-7.46	-7.42	98.47	-1.03	≤ 14.40	Pass
11ac-VHT20	MCS0	48	5240	-6.98	-5.80	-6.09	-7.18	98.47	-0.45	≤ 14.40	Pass
11ac-VHT20	MCS0	52	5260	1.88	2.49	1.71	1.61	98.47	7.96	≤ 8.40	Pass
11ac-VHT20	MCS0	60	5300	1.69	2.85	1.60	1.92	98.47	8.06	≤ 8.40	Pass
11ac-VHT20	MCS0	64	5320	2.22	2.49	1.63	1.71	98.47	8.05	≤ 8.40	Pass
11ac-VHT20	MCS0	100	5500	1.76	2.47	1.84	1.88	98.47	8.02	≤ 8.40	Pass
11ac-VHT20	MCS0	120	5600	1.53	2.76	1.74	1.87	98.47	8.02	≤ 8.40	Pass
11ac-VHT20	MCS0	140	5700	1.40	2.76	1.74	1.80	98.47	7.98	≤ 8.40	Pass
11ac-VHT20	MCS0	144	5720	1.46	2.68	1.60	1.76	98.47	7.92	≤ 8.40	Pass
11ac-VHT40	MCS0	38	5190	-9.89	-9.32	-9.70	-9.48	96.97	-3.44	≤ 14.40	Pass
11ac-VHT40	MCS0	46	5230	-9.73	-8.86	-9.76	-9.49	96.97	-3.29	≤ 14.40	Pass
11ac-VHT40	MCS0	54	5270	1.74	2.19	1.82	1.61	96.97	8.00	≤ 8.40	Pass
11ac-VHT40	MCS0	62	5310	1.64	2.77	1.91	1.59	96.97	8.16	≤ 8.40	Pass
11ac-VHT40	MCS0	102	5510	1.74	2.44	2.22	2.02	96.97	8.27	≤ 8.40	Pass
11ac-VHT40	MCS0	118	5590	1.53	2.20	1.60	1.58	96.97	7.89	≤ 8.40	Pass

11ac-VHT40	MCS0	134	5670	1.38	2.36	1.65	1.96	96.97	8.01	≤ 8.40	Pass
11ac-VHT40	MCS0	142	5710	1.44	2.51	1.60	1.50	96.97	7.94	≤ 8.40	Pass
11ac-VHT80	MCS0	42	5210	-12.86	-11.83	-13.25	-13.42	93.87	-6.50	≤ 14.40	Pass
11ac-VHT80	MCS0	58	5290	0.12	1.11	0.38	0.19	93.87	6.76	≤ 8.40	Pass
11ac-VHT80	MCS0	106	5530	0.21	1.33	0.60	1.17	93.87	7.15	≤ 8.40	Pass
11ac-VHT80	MCS0	122	5610	0.27	1.02	0.55	0.85	93.87	6.98	≤ 8.40	Pass
11ac-VHT80	MCS0	138	5690	0.00	0.57	0.49	0.07	93.87	6.59	≤ 8.40	Pass
802.11ac-VHT160 Straddle 5.15-5.25GHz											
11ac-VHT160	MCS0	50	5250	-9.33	-9.47	-9.25	-8.85	89.49	-2.72	≤ 8.40	Pass
802.11ac-VHT160 Straddle 5.25-5.35GHz											
11ac-VHT160	MCS0	50	5250	-9.99	-10.85	-9.46	-9.49	89.49	-3.41	≤ 8.40	Pass
11ac-VHT160	MCS0	114	5570	-2.58	-1.15	-2.62	-1.90	89.49	4.48	≤ 8.40	Pass
11ax-HE20	MCS0	36	5180	-6.63	-6.62	-7.38	-6.45	97.76	-0.64	≤ 14.40	Pass
11ax-HE20	MCS0	44	5220	-7.72	-6.79	-6.97	-6.56	97.76	-0.87	≤ 14.40	Pass
11ax-HE20	MCS0	48	5240	-7.03	-5.82	-6.56	-6.67	97.76	-0.38	≤ 14.40	Pass
11ax-HE20	MCS0	52	5260	1.55	2.53	1.82	1.87	97.76	8.08	≤ 8.40	Pass
11ax-HE20	MCS0	60	5300	1.74	2.45	1.85	1.70	97.76	8.06	≤ 8.40	Pass
11ax-HE20	MCS0	64	5320	1.70	2.46	1.95	1.89	97.76	8.13	≤ 8.40	Pass
11ax-HE20	MCS0	100	5500	1.91	2.49	1.89	1.80	97.76	8.15	≤ 8.40	Pass
11ax-HE20	MCS0	120	5600	1.66	2.58	1.95	1.62	97.76	8.09	≤ 8.40	Pass
11ax-HE20	MCS0	140	5700	1.51	2.88	1.64	2.00	97.76	8.16	≤ 8.40	Pass
11ax-HE20	MCS0	144	5720	1.59	2.82	1.69	1.94	97.76	8.16	≤ 8.40	Pass
11ax-HE40	MCS0	38	5190	-8.69	-10.27	-10.90	-9.74	95.99	-3.62	≤ 14.40	Pass
11ax-HE40	MCS0	46	5230	-8.63	-8.34	-9.75	-9.96	95.99	-2.92	≤ 14.40	Pass
11ax-HE40	MCS0	54	5270	1.71	2.81	1.93	1.91	95.99	8.31	≤ 8.40	Pass
11ax-HE40	MCS0	62	5310	1.94	2.49	2.13	2.00	95.99	8.34	≤ 8.40	Pass
11ax-HE40	MCS0	102	5510	1.44	2.36	1.85	1.75	95.99	8.06	≤ 8.40	Pass
11ax-HE40	MCS0	118	5590	1.85	2.53	1.80	1.87	95.99	8.22	≤ 8.40	Pass
11ax-HE40	MCS0	134	5670	1.59	2.41	1.29	1.80	95.99	7.99	≤ 8.40	Pass
11ax-HE40	MCS0	142	5710	1.75	2.18	1.25	1.78	95.99	7.95	≤ 8.40	Pass
11ax-HE80	MCS0	42	5210	-12.36	-11.86	-13.06	-12.92	92.38	-6.16	≤ 14.40	Pass
11ax-HE80	MCS0	58	5290	0.41	0.85	0.64	-0.08	92.38	6.83	≤ 8.40	Pass
11ax-HE80	MCS0	106	5530	-0.01	0.96	0.29	0.75	92.38	6.88	≤ 8.40	Pass
11ax-HE80	MCS0	122	5610	0.12	0.60	0.39	0.22	92.38	6.70	≤ 8.40	Pass
11ax-HE80	MCS0	138	5690	-0.11	0.56	-0.01	-0.14	92.38	6.45	≤ 8.40	Pass
802.11ax-HE160 Straddle 5.15-5.25GHz											
11ax-HE160	MCS0	50	5250	-8.90	-9.27	-8.94	-8.64	88.15	-2.36	≤ 8.40	Pass

802.11ax-HE160 Straddle 5.25-5.35GHz											
11ax-HE160	MCS0	50	5250	-9.86	-9.87	-9.92	-9.70	88.15	-3.27	≤ 8.40	Pass
11ax-HE160	MCS0	114	5570	-2.33	-1.10	-2.20	-1.95	88.15	4.70	≤ 8.40	Pass

Note 1: When EUT duty cycle ≥ 98%, Total PSD (dBm/MHz) = 10*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).

Note 2: When EUT duty cycle < 98%, Total PSD (dBm/MHz) = 10*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*log (1/Duty Cycle).

Note 3: PSD Limit (dBm/MHz) = 17dBm/MHz - (8.6dBi - 6dBi) = 14.40dBm/MHz.

PSD Limit (dBm/MHz) = 11dBm/MHz - (8.6dBi - 6dBi) = 8.40dBm/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 4)		

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	3.31	4.55	4.04	3.67	94.93	6.99	17.15	≤ 27.40	Pass
11a	6Mbps	157	5785	3.78	4.54	3.77	3.43	94.93	6.99	17.14	≤ 27.40	Pass
11a	6Mbps	165	5825	3.27	4.53	4.03	3.36	94.93	6.99	17.06	≤ 27.40	Pass
11ac-VHT20	MCS0	149	5745	3.36	4.61	3.47	3.27	98.47	6.99	16.72	≤ 27.40	Pass
11ac-VHT20	MCS0	157	5785	3.08	4.61	3.89	3.18	98.47	6.99	16.75	≤ 27.40	Pass
11ac-VHT20	MCS0	165	5825	3.50	4.59	3.73	2.64	98.47	6.99	16.68	≤ 27.40	Pass
11ac-VHT40	MCS0	151	5755	0.12	2.21	0.78	0.38	96.97	6.99	14.10	≤ 27.40	Pass
11ac-VHT40	MCS0	159	5795	0.47	2.45	0.88	0.78	96.97	6.99	14.36	≤ 27.40	Pass
11ac-VHT80	MCS0	155	5775	-5.64	-4.43	-5.48	-5.35	93.87	6.99	8.09	≤ 27.40	Pass
11ax-HE20	MCS0	149	5745	2.15	3.18	2.53	1.73	97.76	6.99	15.54	≤ 27.40	Pass
11ax-HE20	MCS0	157	5785	2.22	2.31	2.62	2.07	97.76	6.99	15.42	≤ 27.40	Pass
11ax-HE20	MCS0	165	5825	2.47	3.35	2.53	2.52	97.76	6.99	15.84	≤ 27.40	Pass
11ax-HE40	MCS0	151	5755	-0.57	0.58	-0.27	-0.38	95.99	6.99	13.05	≤ 27.40	Pass
11ax-HE40	MCS0	159	5795	-0.46	0.83	0.01	-0.51	95.99	6.99	13.19	≤ 27.40	Pass
11ax-HE80	MCS0	155	5775	-5.96	-6.06	-6.65	-7.38	92.38	6.99	6.88	≤ 27.40	Pass

Note 1: When EUT duty cycle ≥ 98%, Total PSD (dBm/500kHz) = 10*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.

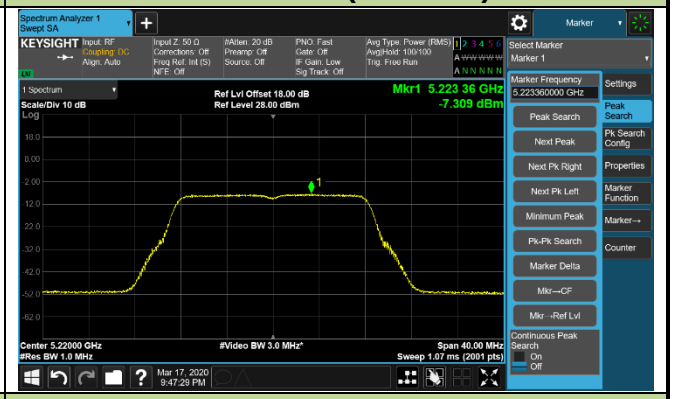
Note 2: When EUT duty cycle < 98%, Total PSD (dBm/500kHz) = 10*log {$10^{(\text{Ant 0 PSD}/10)}$ + $10^{(\text{Ant 1 PSD}/10)}$ + $10^{(\text{Ant 2 PSD}/10)}$ + $10^{(\text{Ant 3 PSD}/10)}$} (dBm/100kHz) + Constant Factor + 10*log (1/Duty Cycle).

Note 3: PSD Limit (dBm/500kHz) = 30dBm/500kHz - (8.60dBi - 6dBi) = 27.40dBm/500kHz.

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

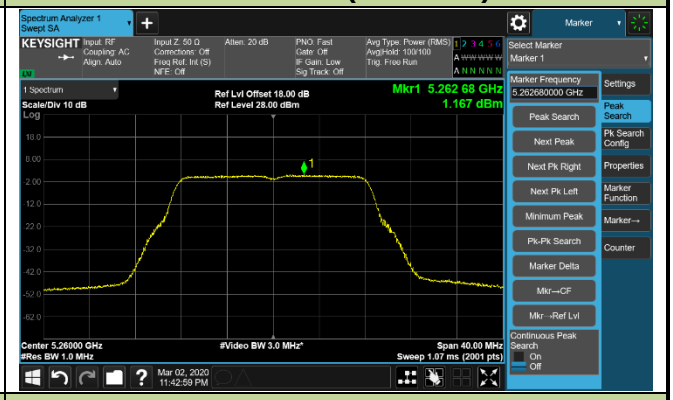
Channel 36 (5180MHz)

Channel 44 (5220MHz)



Channel 48 (5240MHz)

Channel 52 (5260MHz)

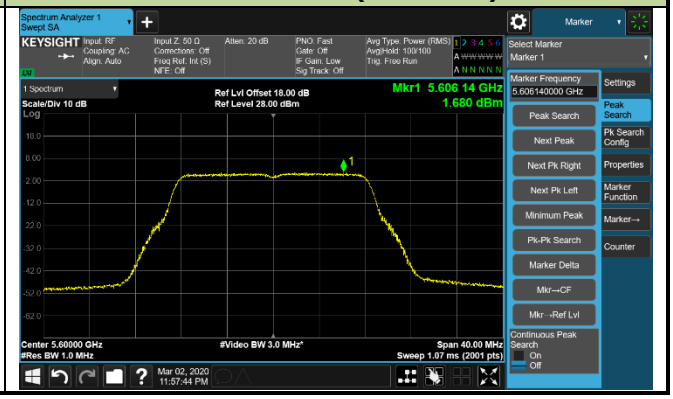


Channel 60 (5300MHz)

Channel 64 (5320MHz)

Channel 100 (5500MHz)

Channel 120 (5600MHz)

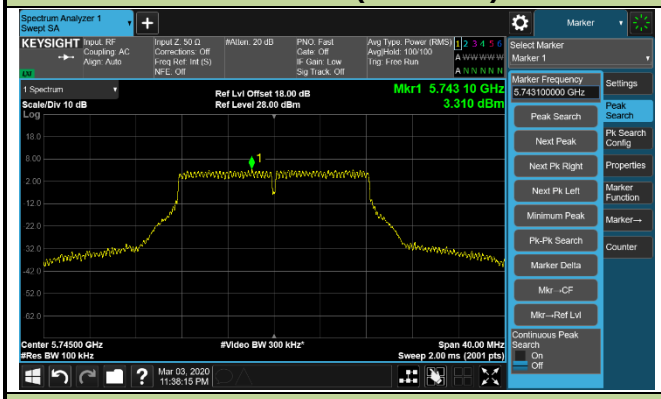


802.11a Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

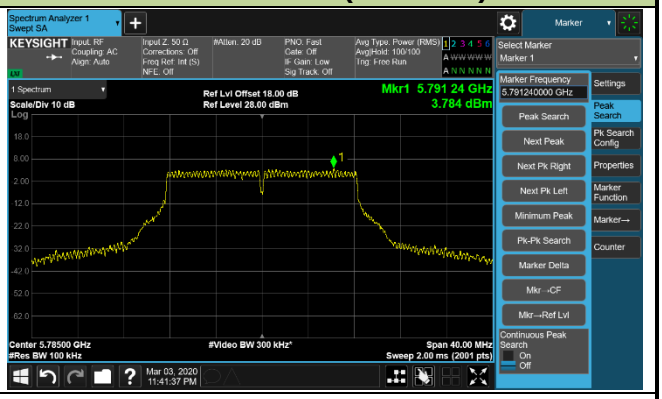
Channel 140 (5700MHz)

Channel 144 (5720MHz)

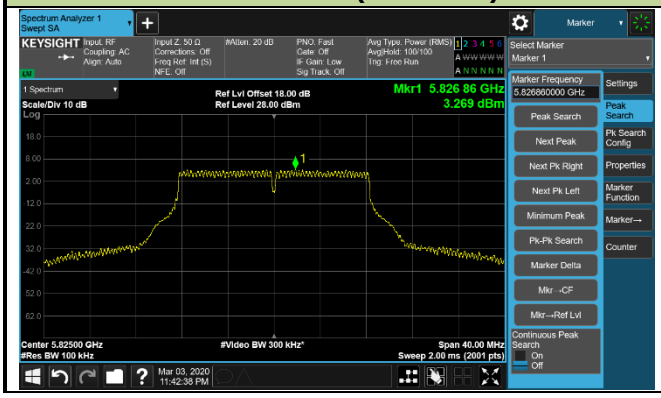
Channel 149 (5745MHz)



Channel 157 (5785MHz)

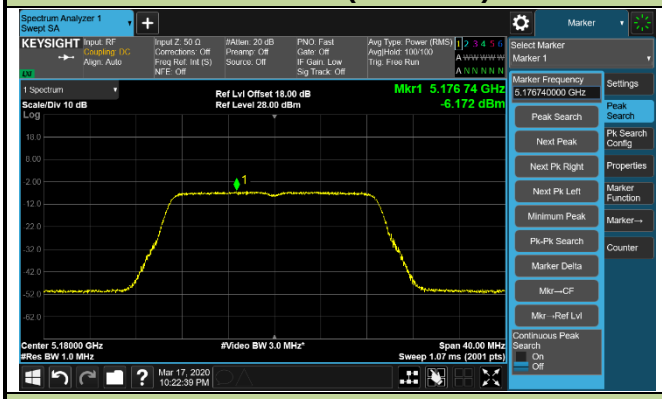


Channel 165 (5825MHz)

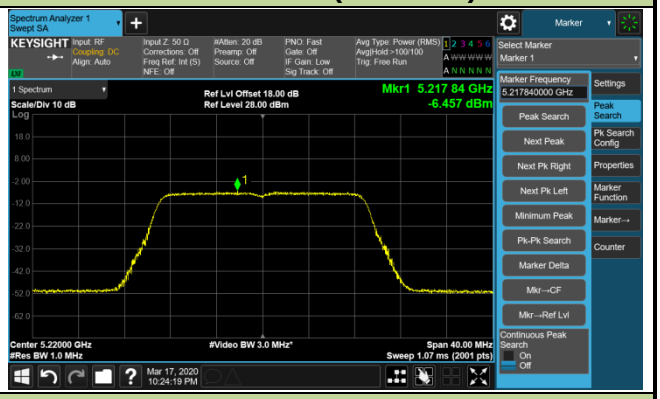


802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 36 (5180MHz)

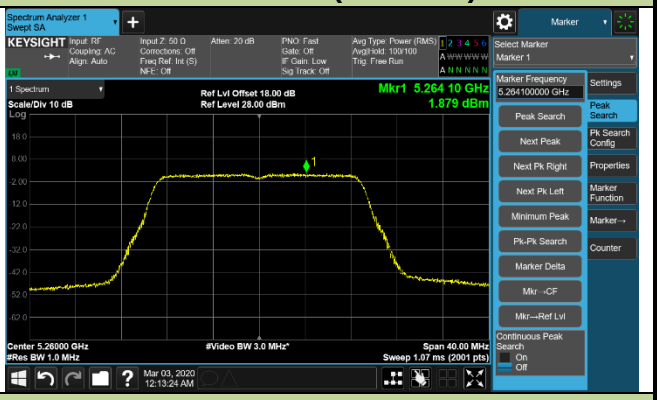


Channel 44 (5220MHz)



Channel 48 (5240MHz)

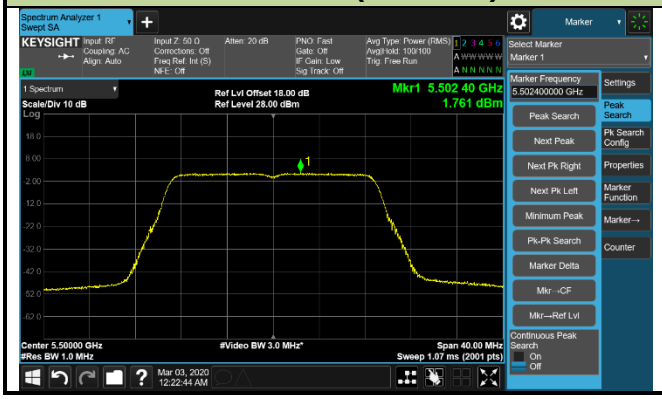
Channel 52 (5260MHz)



Channel 60 (5300MHz)

Channel 64 (5320MHz)

Channel 100 (5500MHz)

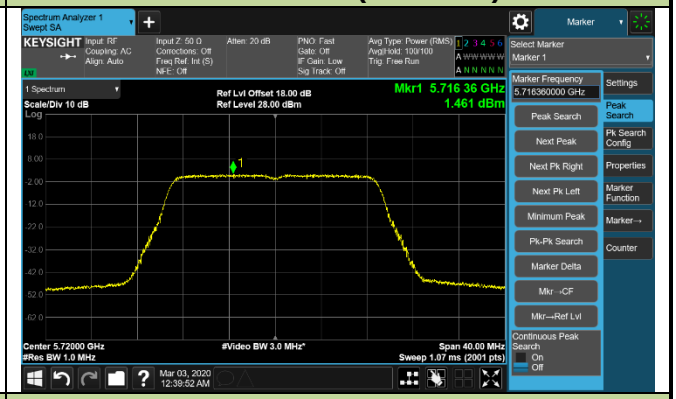


Channel 120 (5600MHz)

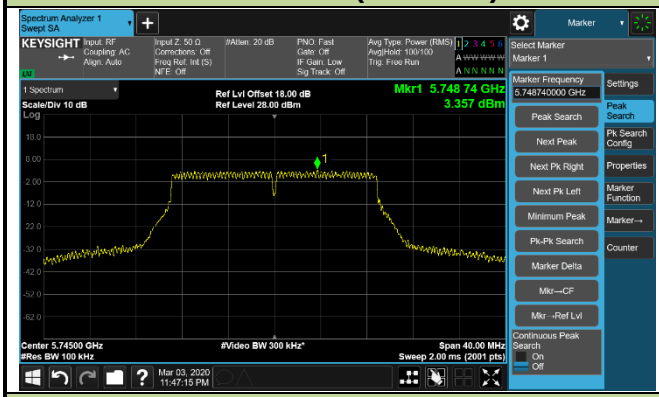
802.11ac-VHT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 140 (5700MHz)

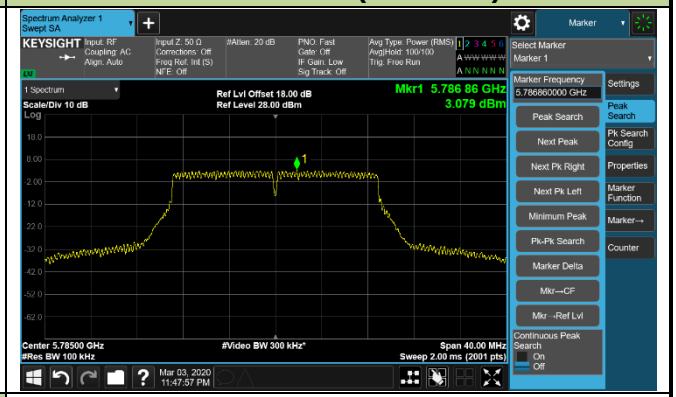
Channel 144 (5720MHz)



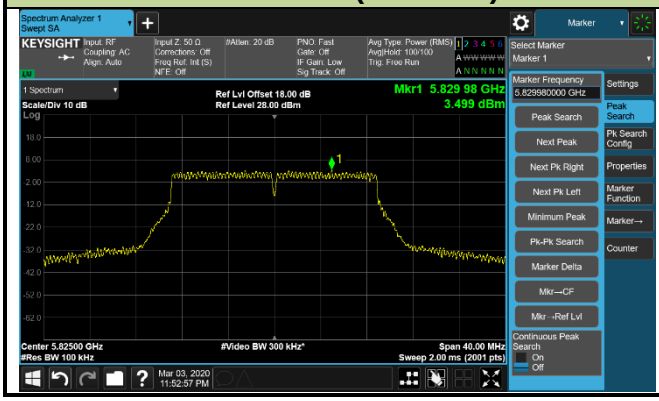
Channel 149 (5745MHz)



Channel 157 (5785MHz)

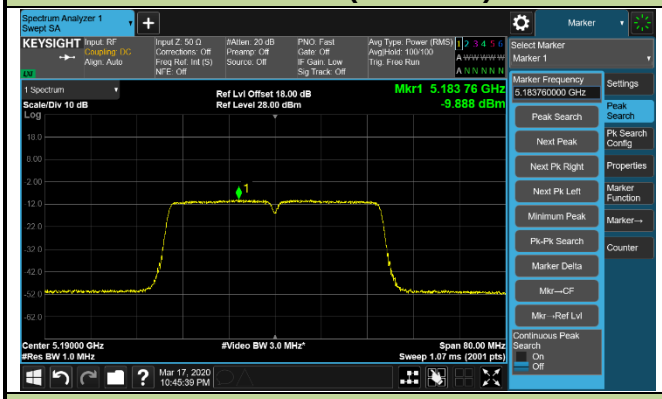


Channel 165 (5825MHz)

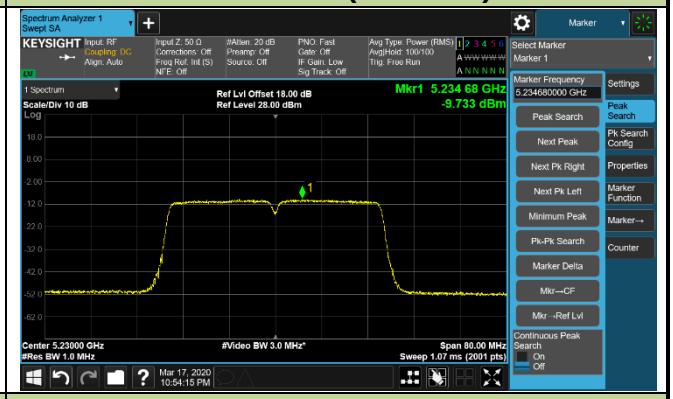


802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 38 (5190MHz)

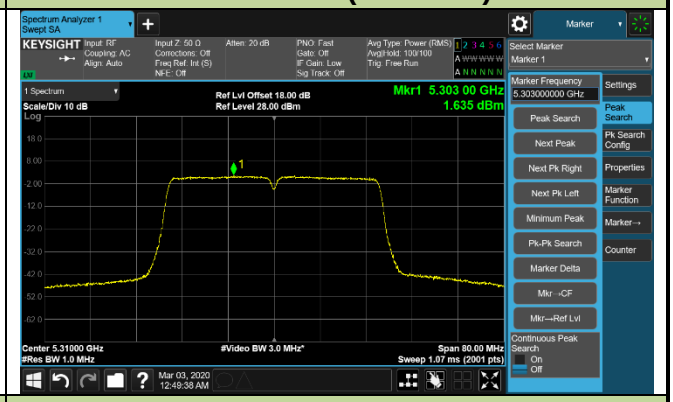


Channel 46 (5230MHz)

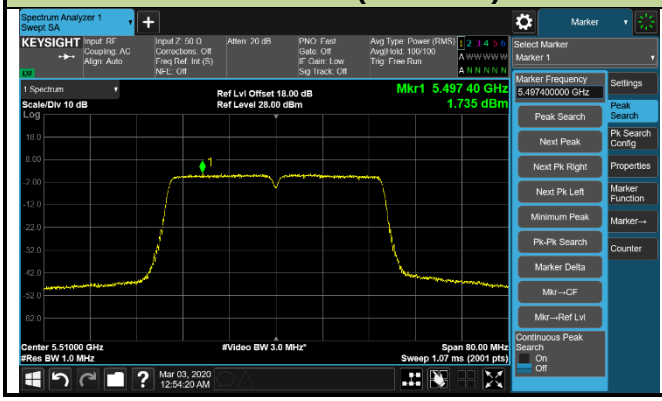


Channel 54 (5270MHz)

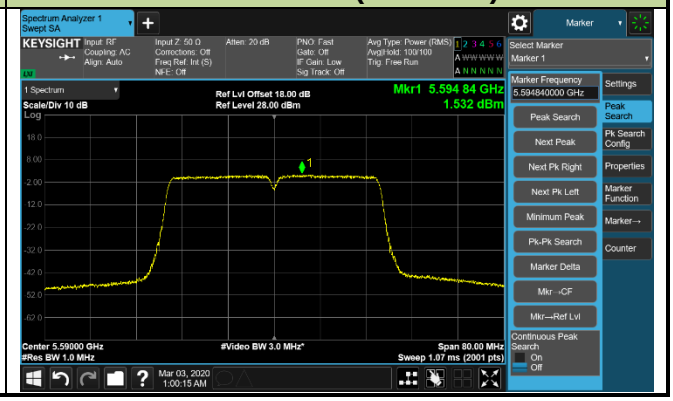
Channel 62 (5310MHz)



Channel 102 (5510MHz)

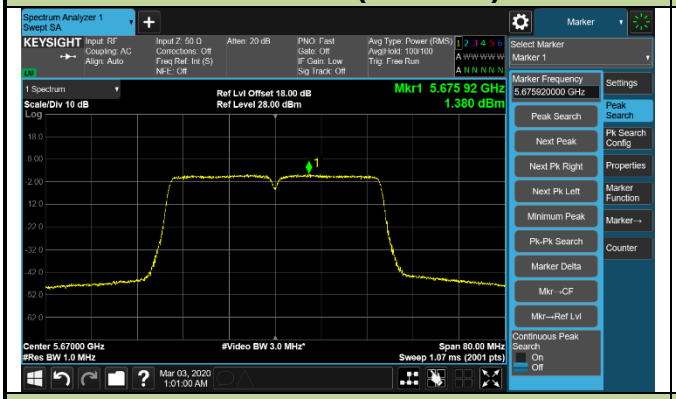


Channel 118 (5590MHz)

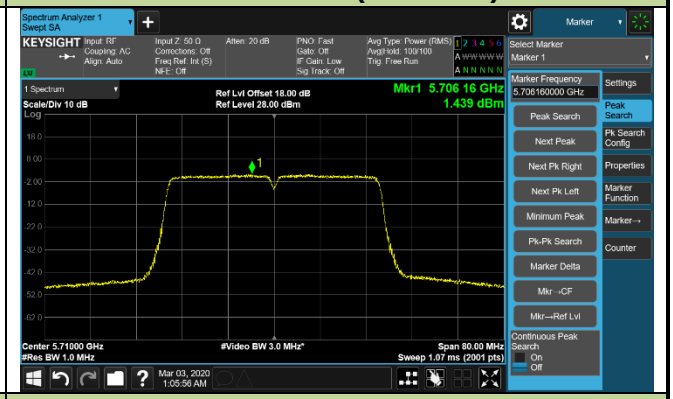


802.11ac-VHT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

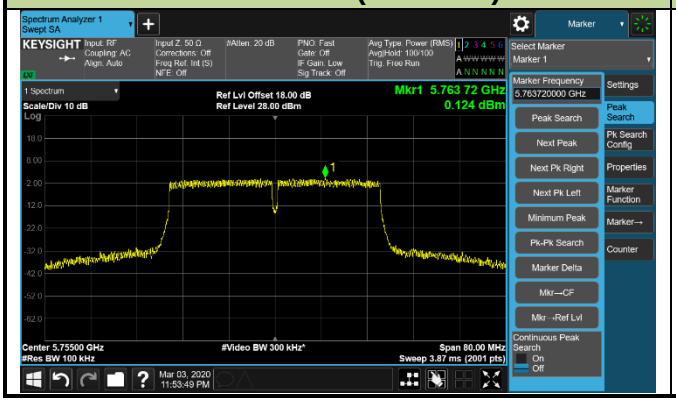
Channel 134 (5670MHz)



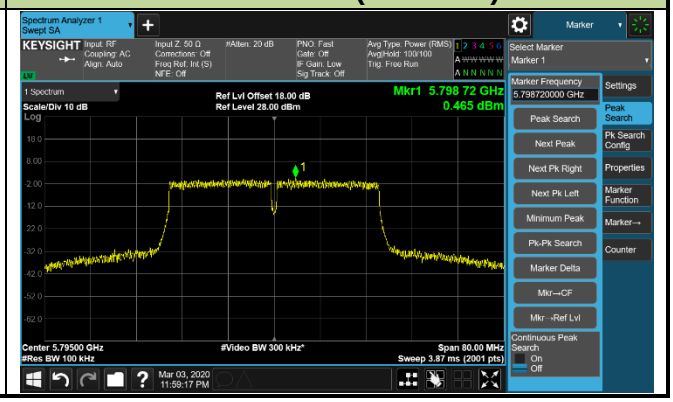
Channel 142 (5710MHz)



Channel 151 (5755MHz)

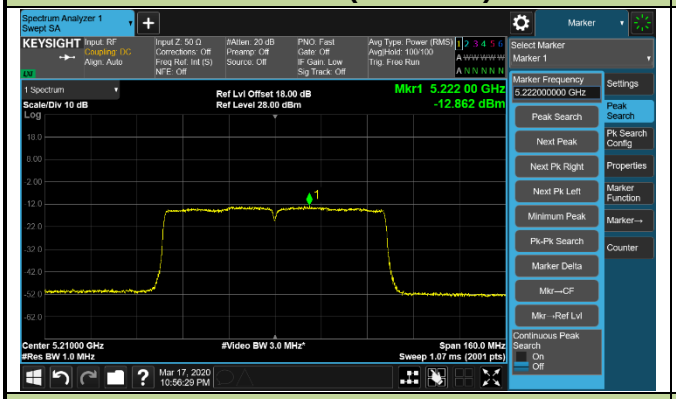


Channel 159 (5795MHz)

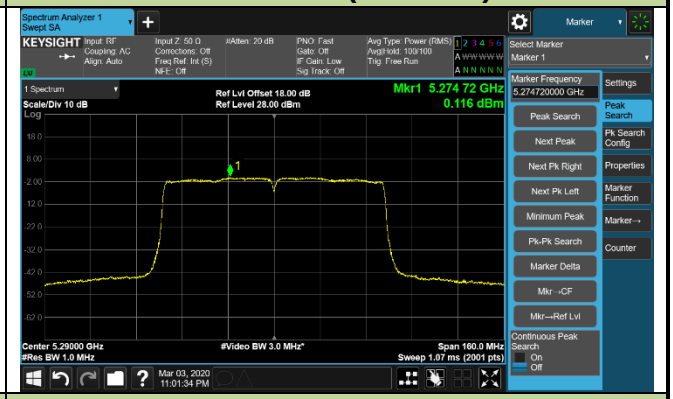


802.11ac-VHT80 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

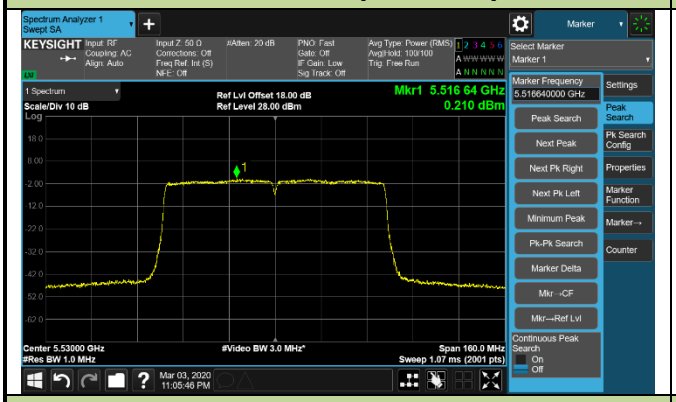
Channel 42 (5210MHz)



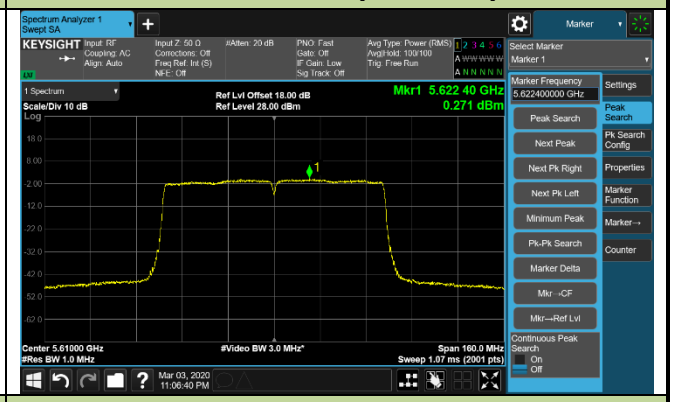
Channel 58 (5290MHz)



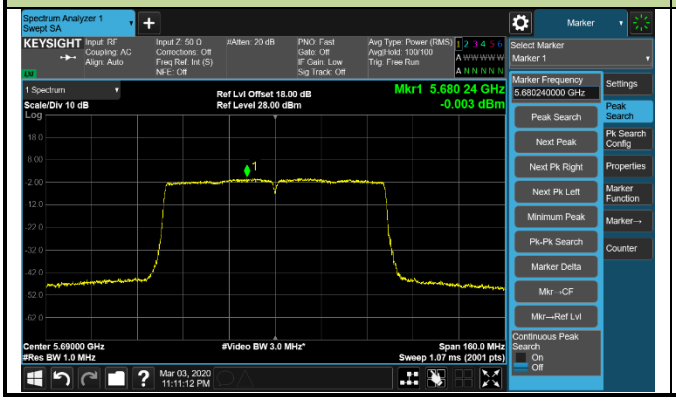
Channel 106 (5530MHz)



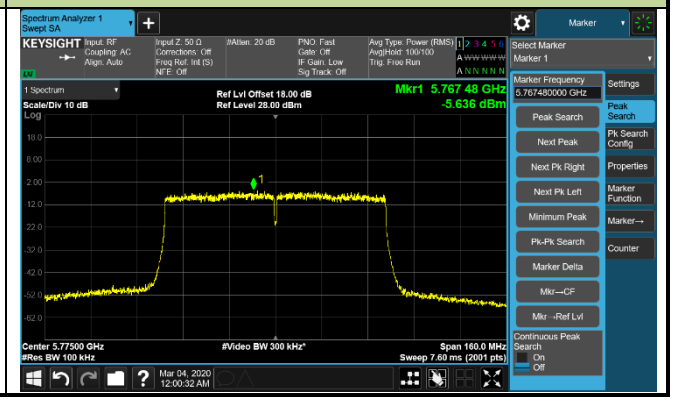
Channel 122 (5610MHz)

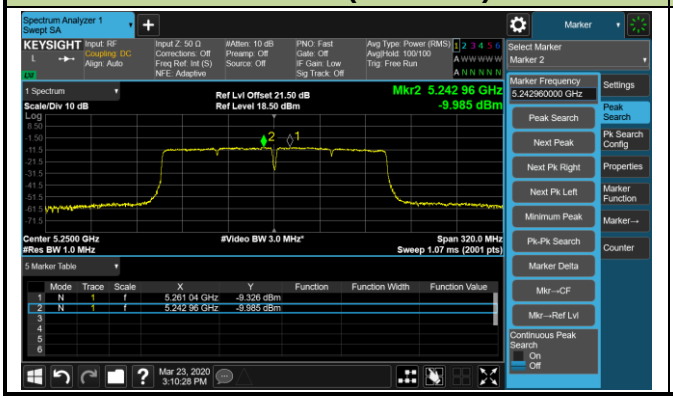
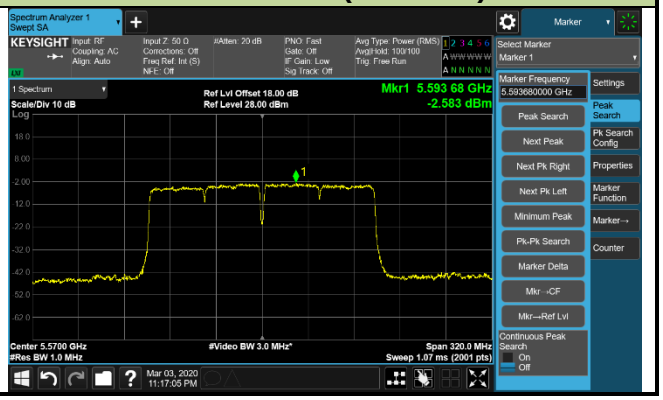


Channel 138 (5690MHz)



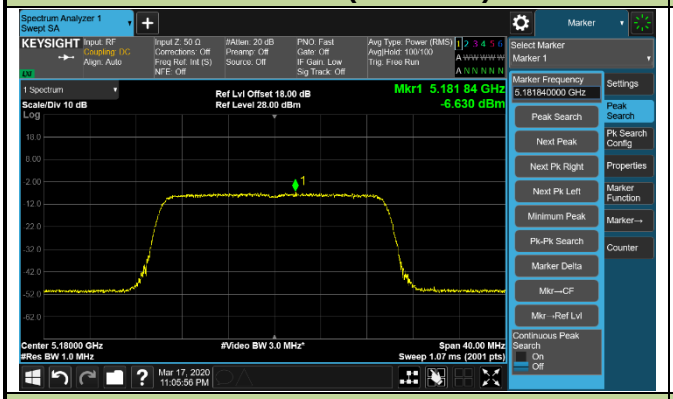
Channel 155 (5775MHz)



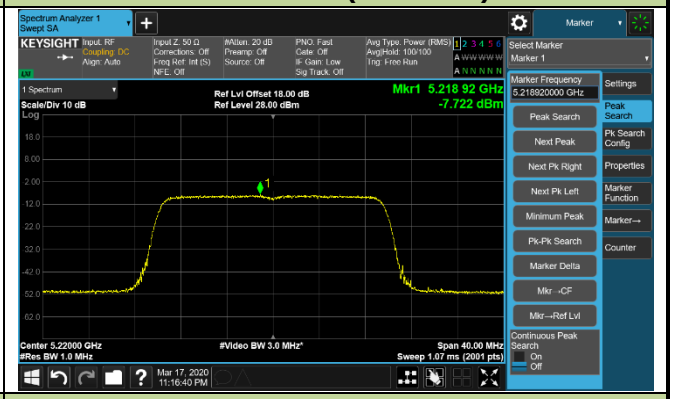
802.11ac-VHT160 Power Spectral Density - Ant 0 / Ant 0 + 1 (Ant 0 + 1 + 2 + 3)	
Channel 50 (5250MHz)	Channel 114 (5570MHz)
	

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

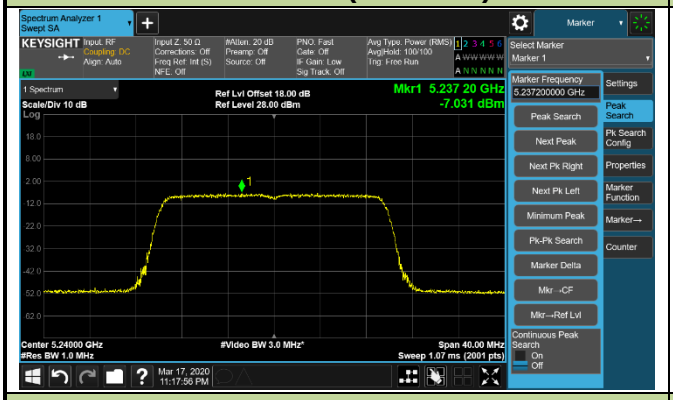
Channel 36 (5180MHz)



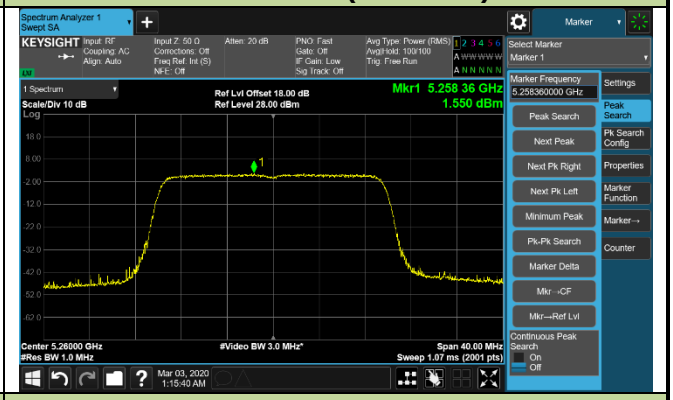
Channel 44 (5220MHz)



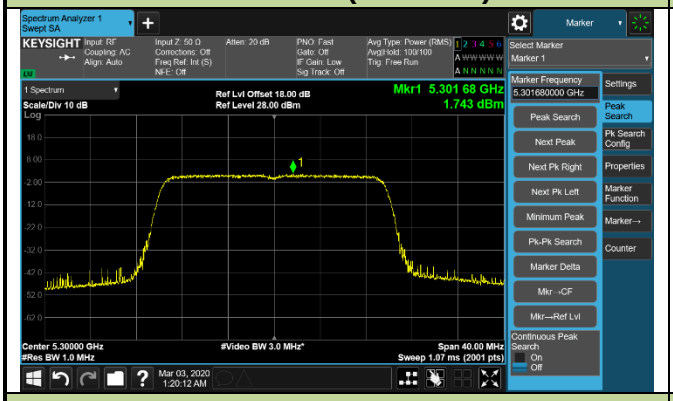
Channel 48 (5240MHz)



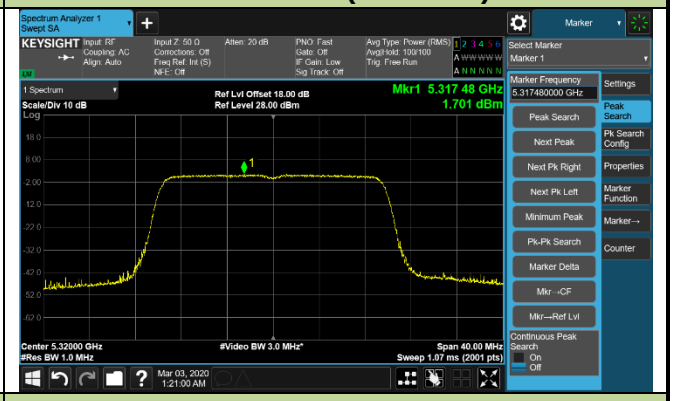
Channel 52 (5260MHz)



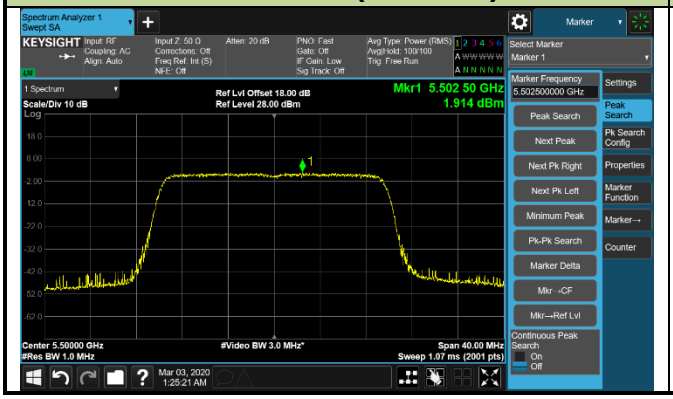
Channel 60 (5300MHz)



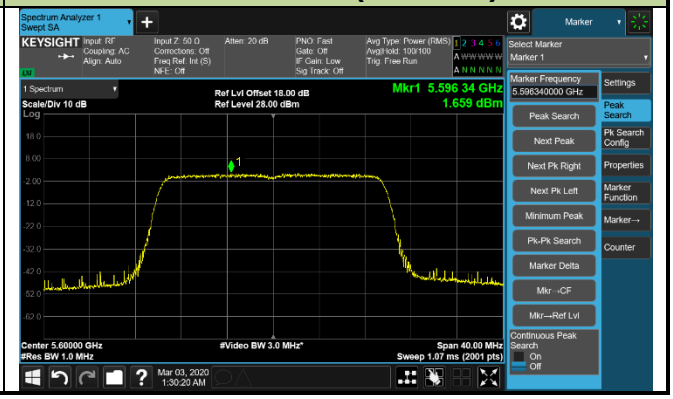
Channel 64 (5320MHz)



Channel 100 (5500MHz)

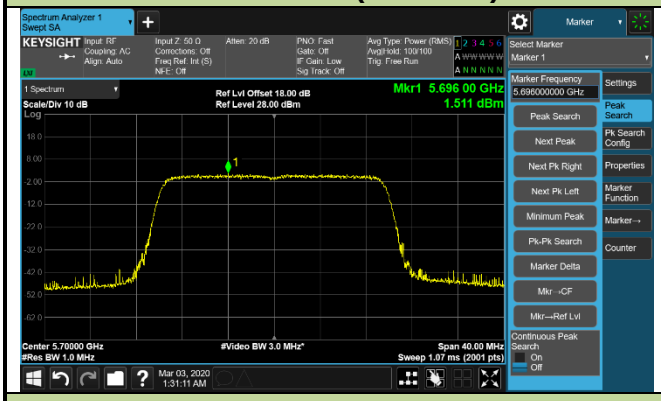


Channel 120 (5600MHz)

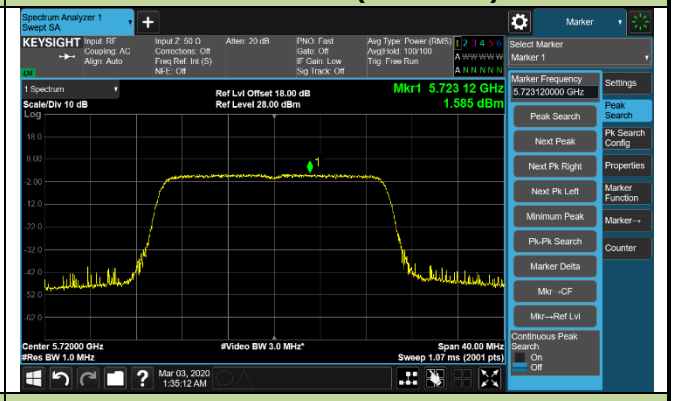


802.11ax-HE20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

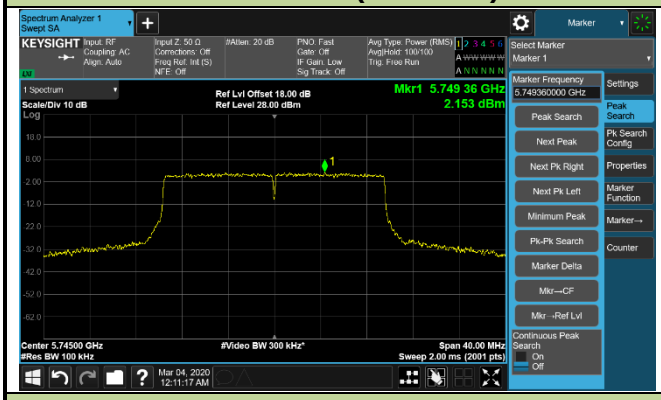
Channel 140 (5700MHz)



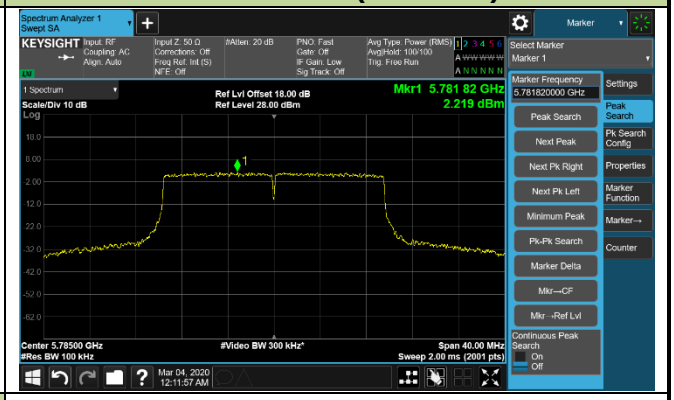
Channel 144 (5720MHz)



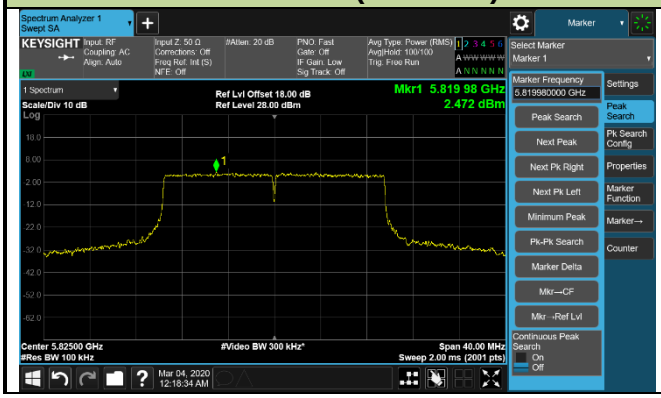
Channel 149 (5745MHz)



Channel 157 (5785MHz)

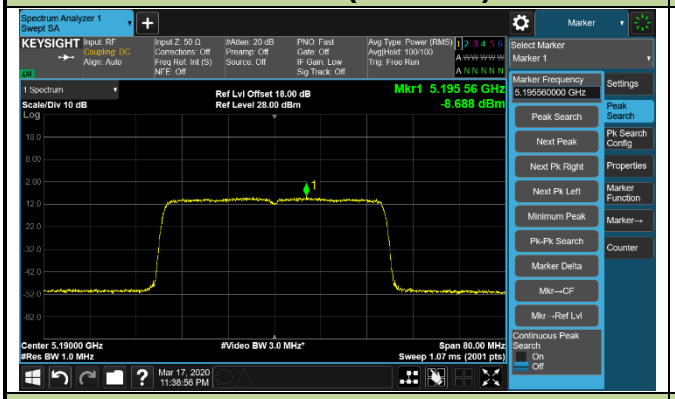


Channel 165 (5825MHz)

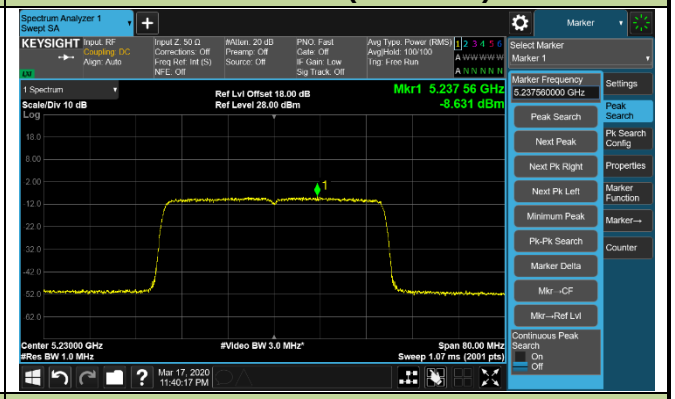


802.11ax-HE40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

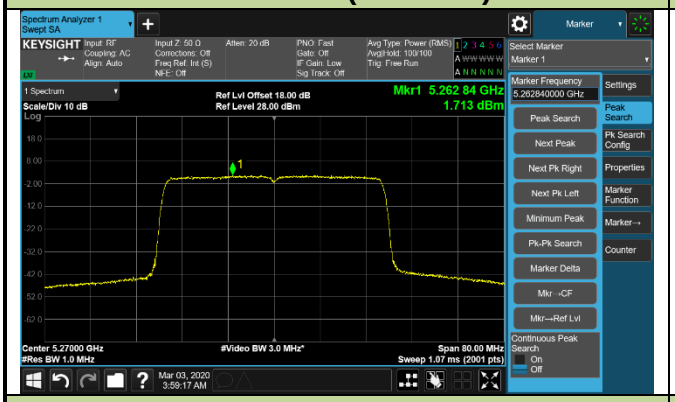
Channel 38 (5190MHz)



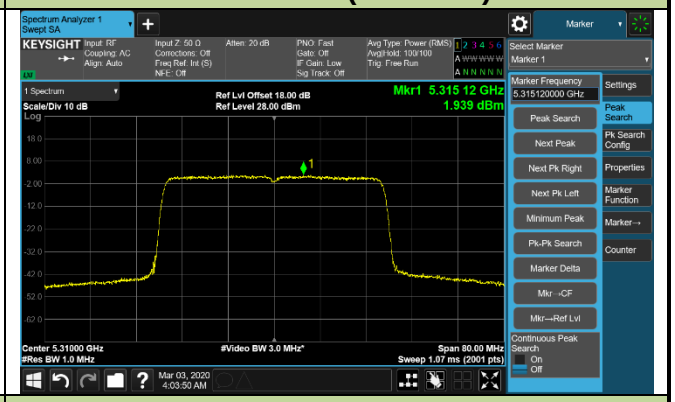
Channel 46 (5230MHz)



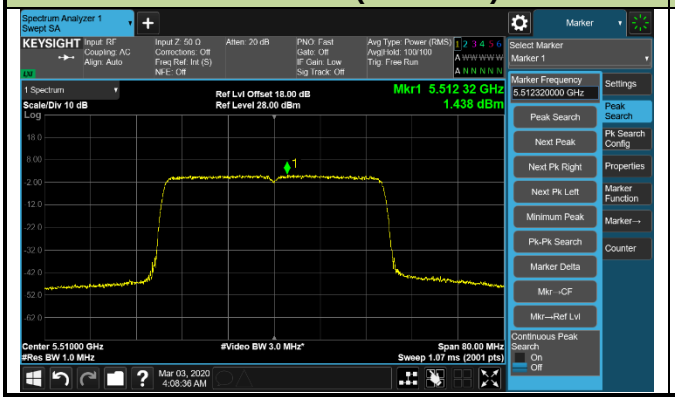
Channel 54 (5270MHz)



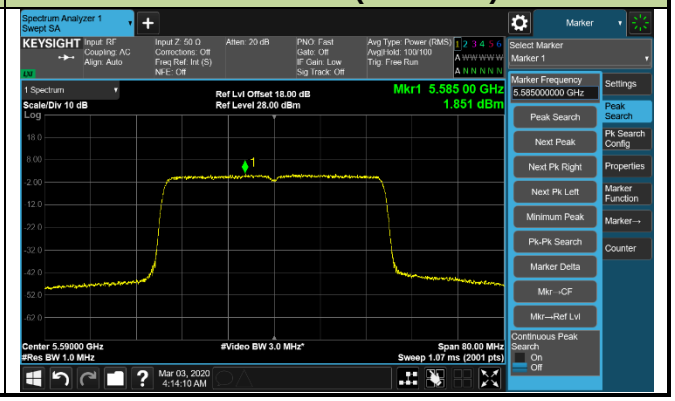
Channel 62 (5310MHz)



Channel 102 (5510MHz)

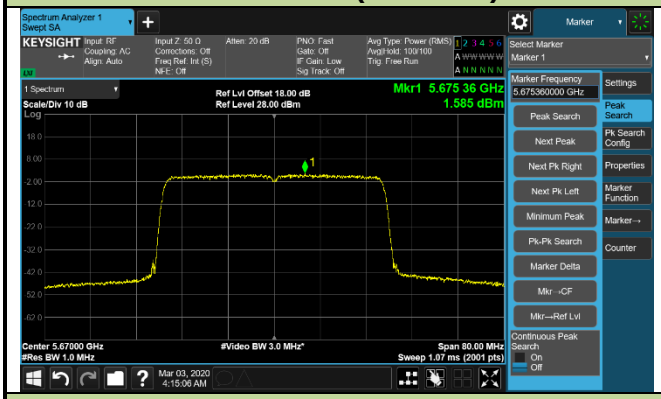


Channel 118 (5590MHz)

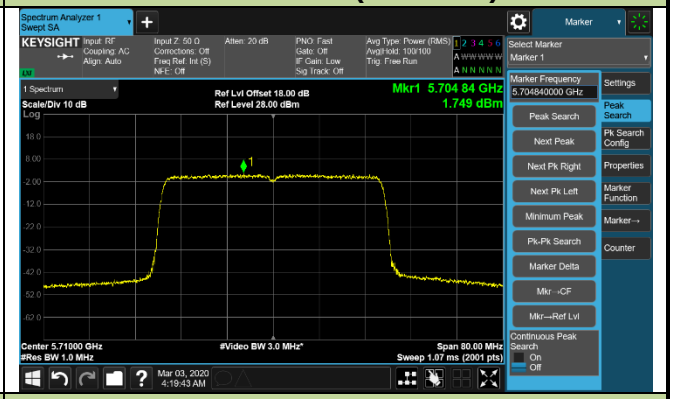


802.11ax-HE40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3

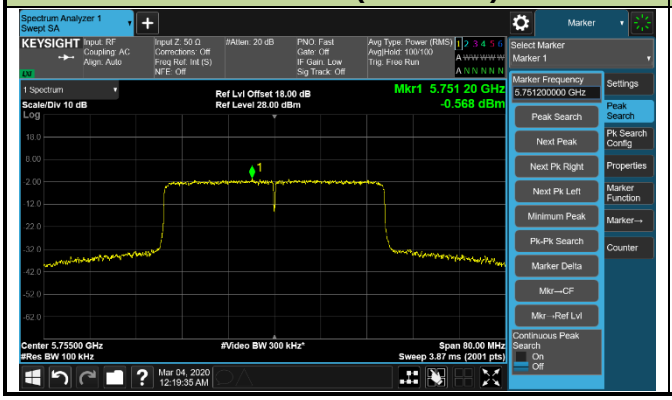
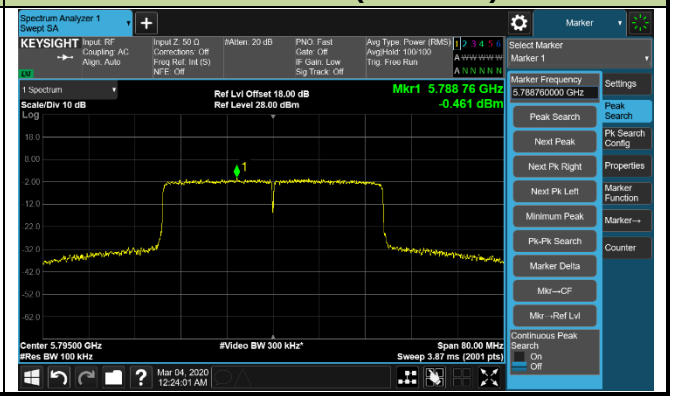
Channel 134 (5670MHz)



Channel 142 (5710MHz)



Channel 151 (5755MHz)



Channel 159 (5795MHz)