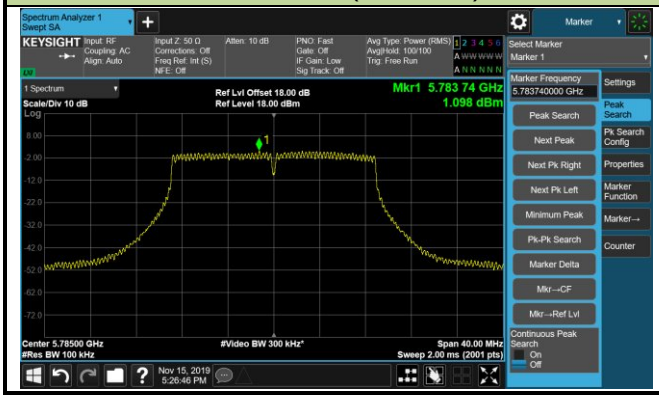
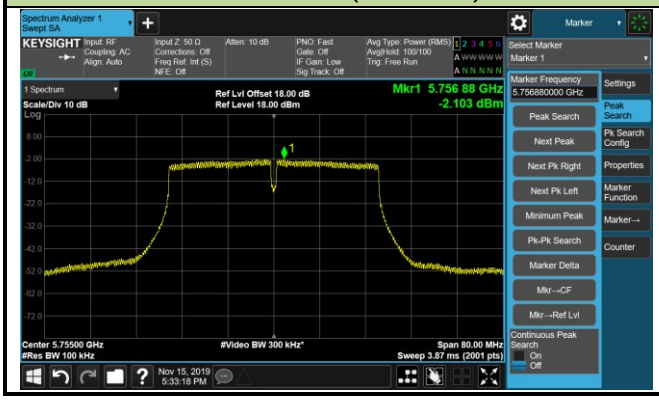
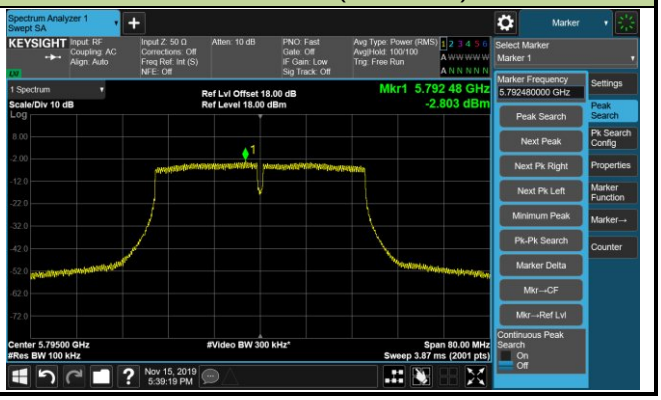
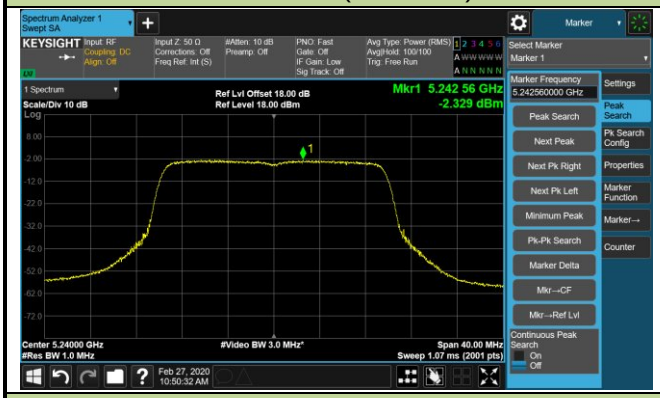
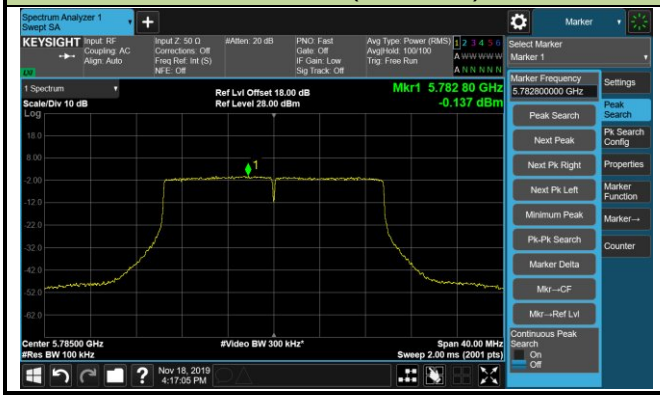
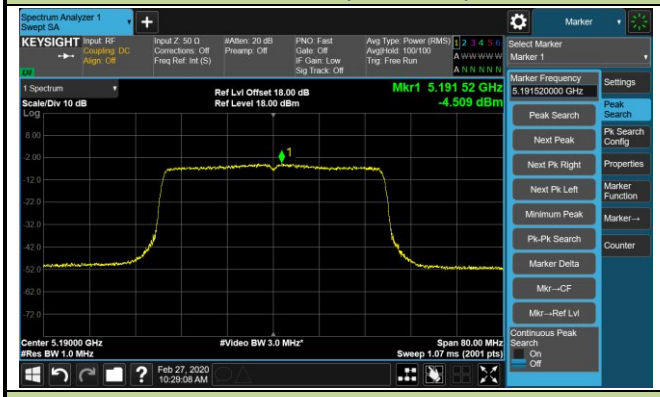
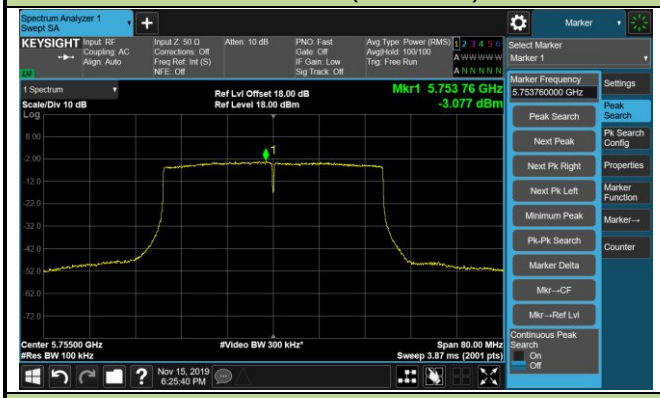
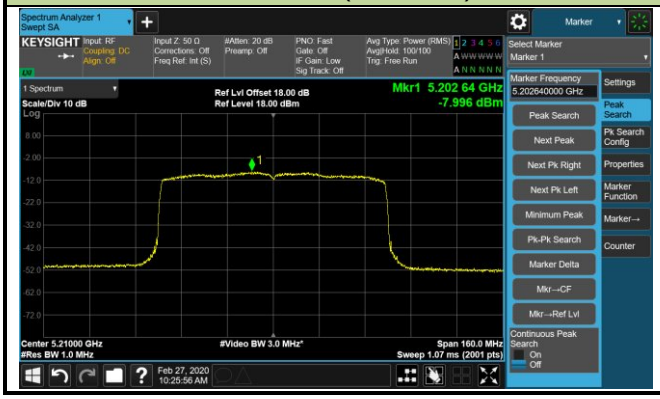
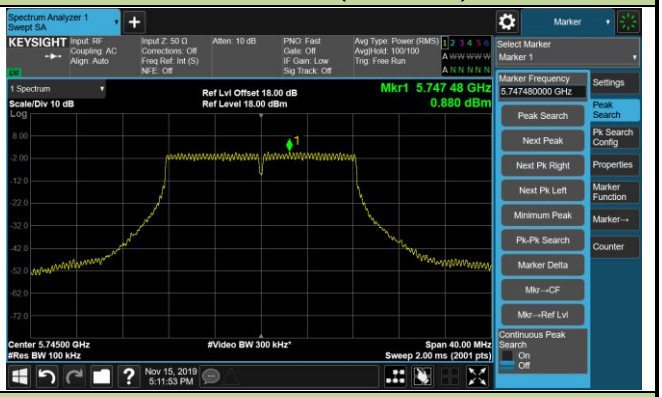
802.11n-HT20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

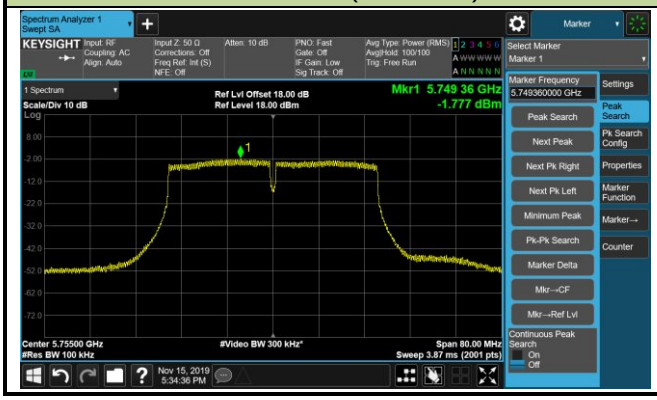
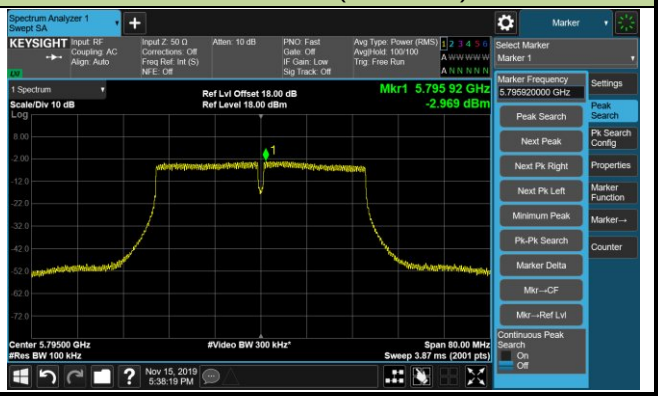
802.11n-HT40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

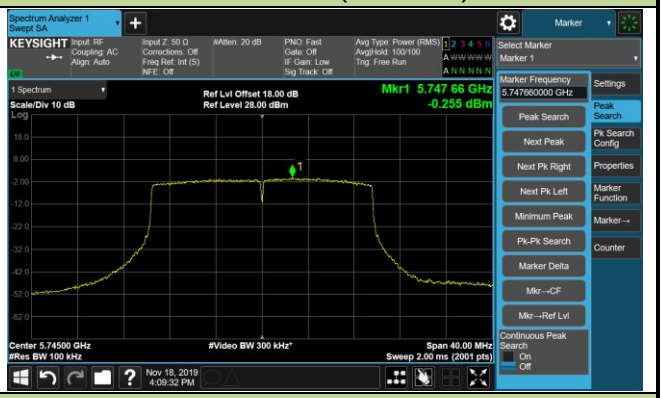
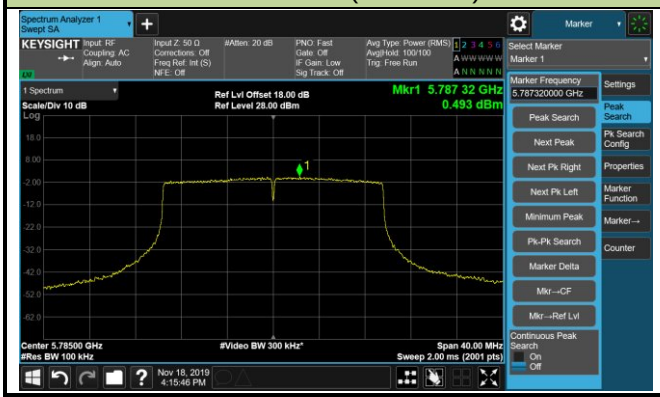
802.11ax-HE20 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

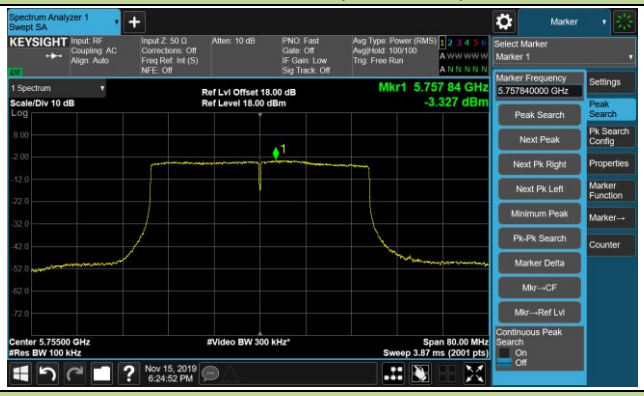
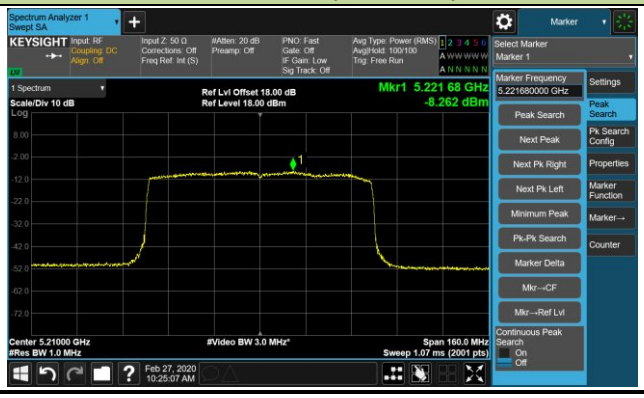
802.11ax-HE40 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ax-HE80 Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

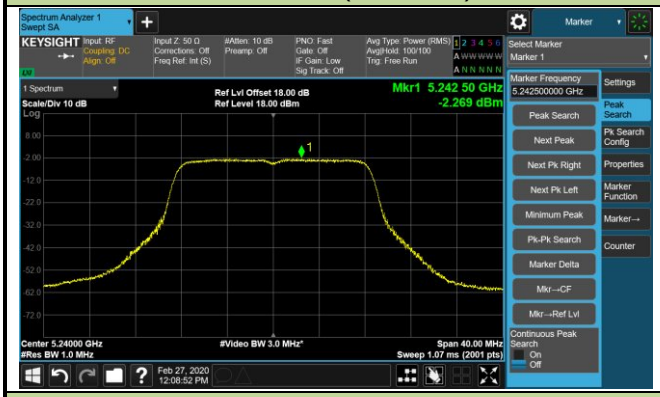
802.11a Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

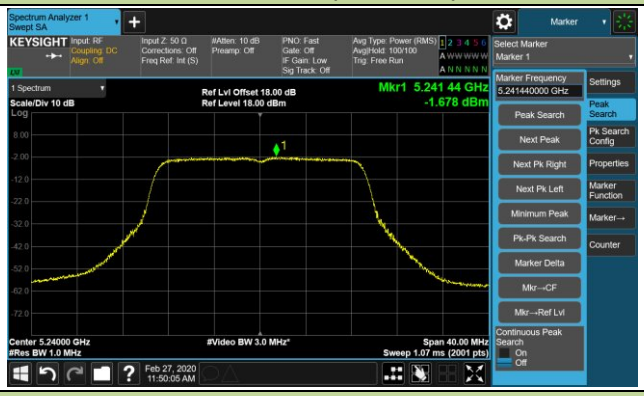
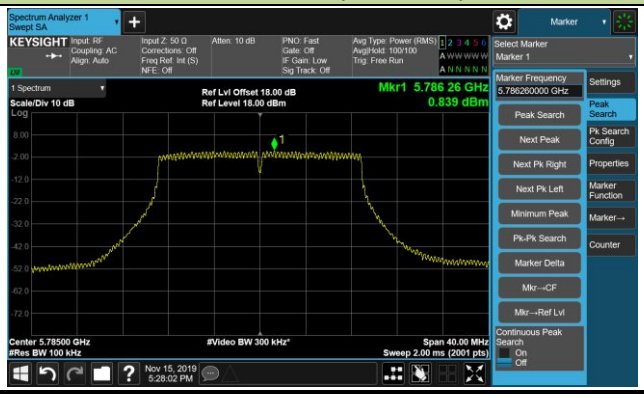
802.11n-HT20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

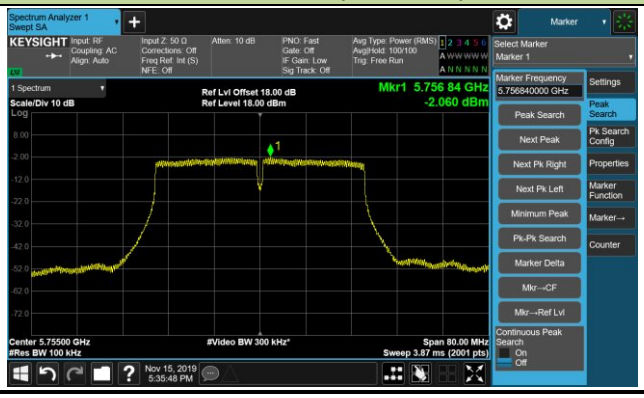
802.11n-HT40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

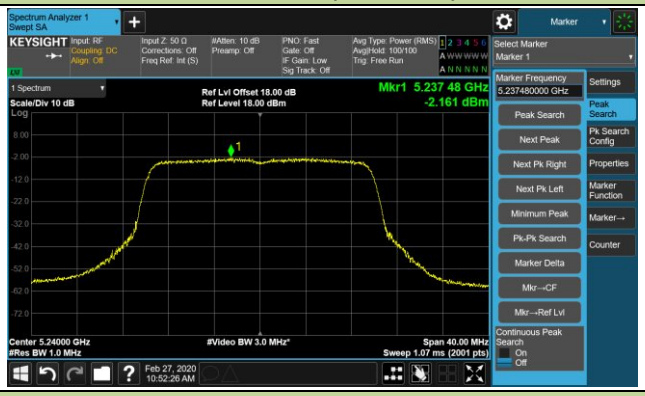
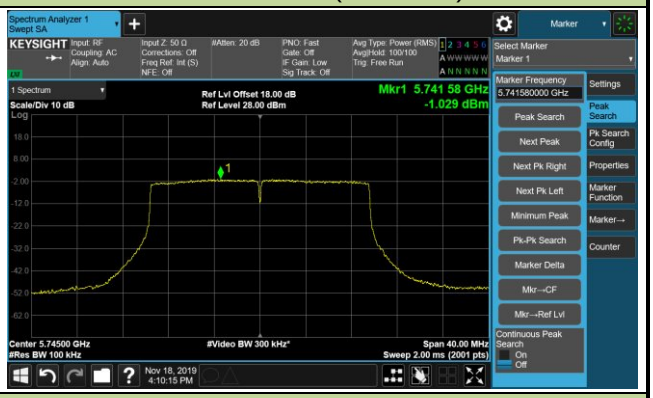
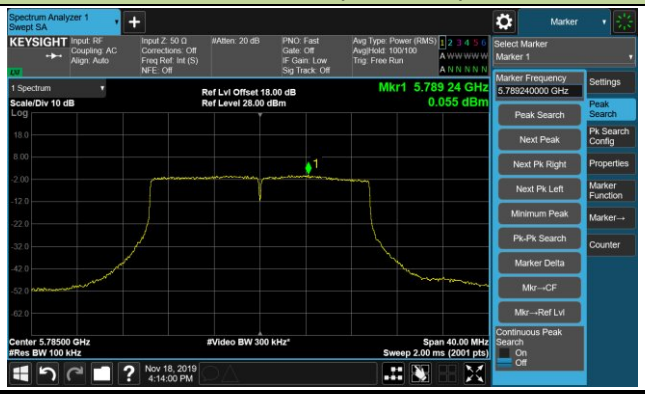
802.11ax-HE20 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

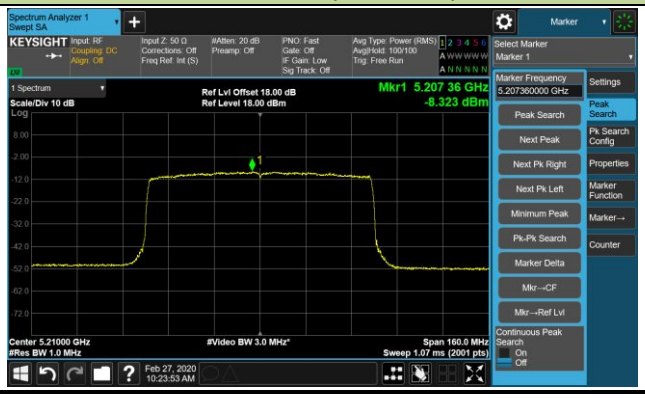
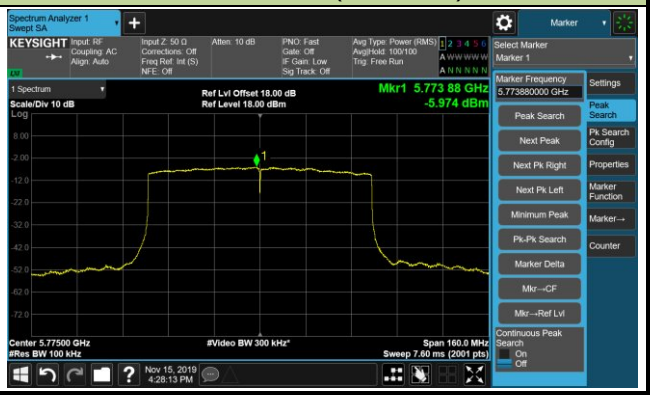
802.11ax-HE40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ax-HE80 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

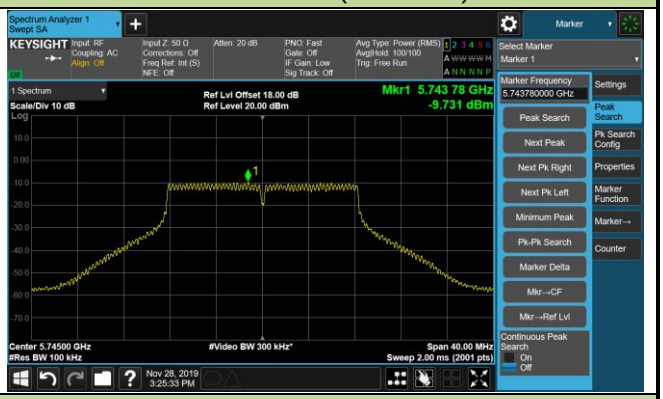
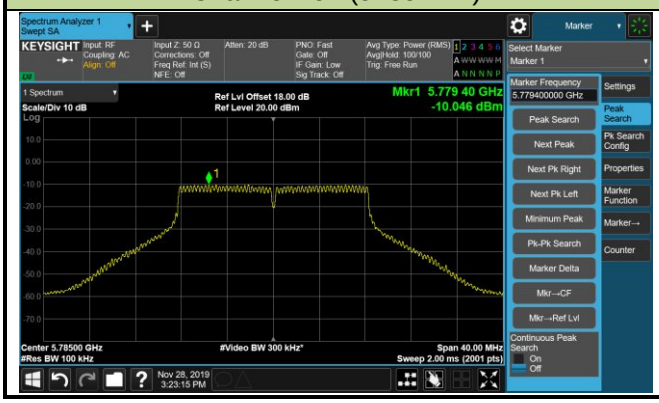
802.11a Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11n-HT20 Power Spectral Density - Ant 3 / 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 3 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE20 Power Spectral Density - Ant 3 / 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 3 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ax-HE80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

802.11a Power Spectral Density - Ant 0 (SCAN Antenna)	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

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/ 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
11a	6Mbps	36	5180	3.12	3.58	3.25	3.19	92.26	9.66	≤ 9.98	Pass
11a	6Mbps	44	5220	3.52	3.68	3.24	3.11	92.26	9.76	≤ 9.98	Pass
11a	6Mbps	48	5240	3.46	2.8	3.09	3.37	92.26	9.56	≤ 9.98	Pass
11n-HT20	MCS0	36	5180	3.49	2.58	3.27	2.67	95.01	9.26	≤ 9.98	Pass
11n-HT20	MCS0	44	5220	3.15	3.29	2.57	2.98	95.01	9.25	≤ 9.98	Pass
11n-HT20	MCS0	48	5240	3.26	3.58	3.37	3.41	95.01	9.65	≤ 9.98	Pass
11n-HT40	MCS0	38	5190	0.43	0.37	-0.24	-0.47	91.60	6.44	≤ 9.98	Pass
11n-HT40	MCS0	46	5230	-0.17	0.40	0.11	0.19	91.60	6.54	≤ 9.98	Pass
11ax-HE20	MCS0	36	5180	3.23	3.02	3.30	3.15	95.03	9.42	≤ 9.98	Pass
11ax-HE20	MCS0	44	5220	3.01	3.04	2.51	2.89	95.03	9.11	≤ 9.98	Pass
11ax-HE20	MCS0	48	5240	3.27	3.05	2.88	3.06	95.03	9.31	≤ 9.98	Pass
11ax-HE40	MCS0	38	5190	0.16	-0.04	0.66	-0.27	96.02	6.34	≤ 9.98	Pass
11ax-HE40	MCS0	46	5230	-0.08	-0.10	0.61	0.03	96.02	6.32	≤ 9.98	Pass
11ax-HE80	MCS0	42	5210	-2.60	-3.05	-2.76	-2.86	94.27	3.46	≤ 9.98	Pass

Note: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = 10*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/MHz) + 10*log(1/duty cycle)

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*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*log (1/Duty Cycle).