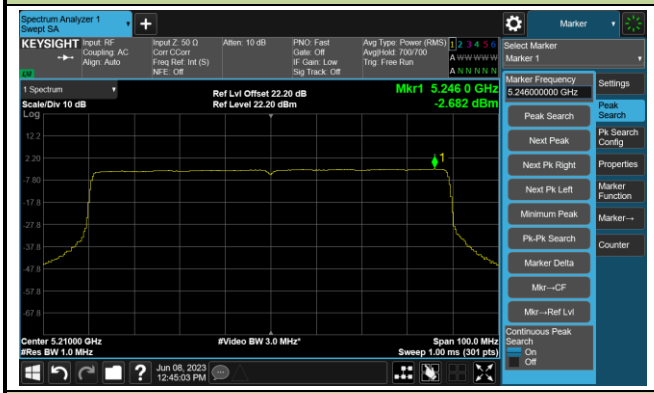
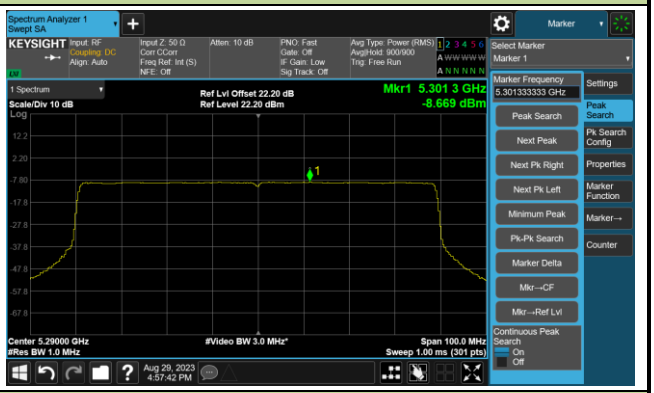
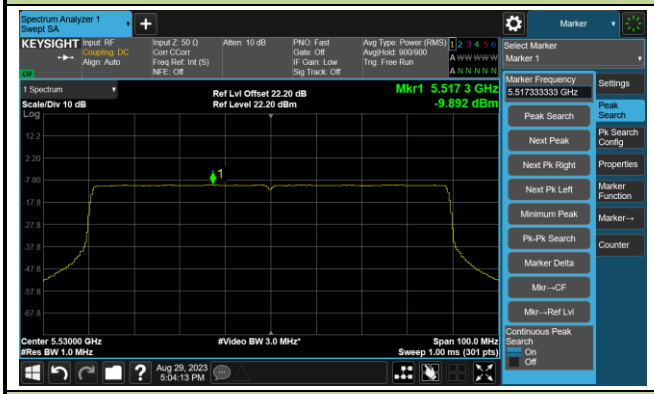
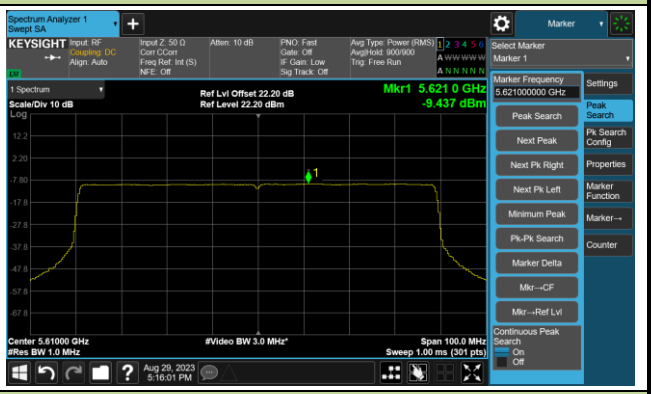
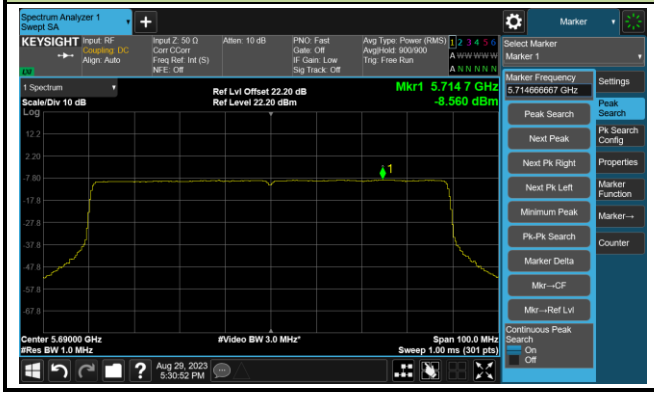
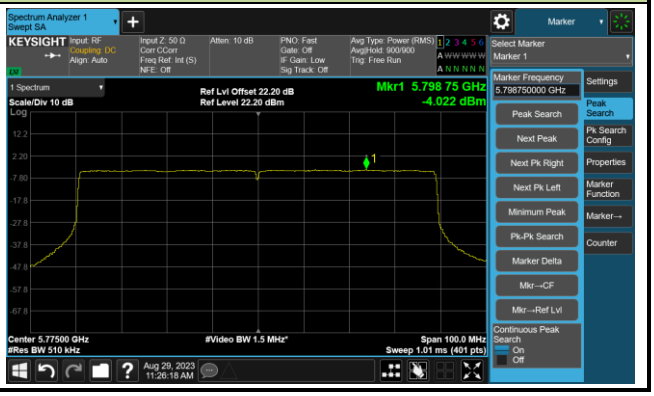
802.11ax-HE80 Power Spectral Density- Ant 1	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2023-06-16~2023-08-30	Radio Specification	Radio 0
Model No.	AX52e		
Test Item	Power Spectral Density (UNII-Band 1 & UNII-2a & UNII-2c)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)
				Ant 0	Ant 1			
11a	6Mbps	36	5180	0.292	0.606	91.61	3.84	4.00
11a	6Mbps	44	5220	0.066	0.513	91.61	3.69	4.00
11a	6Mbps	48	5240	0.234	0.743	91.61	3.89	4.00
11a	6Mbps	52	5260	-5.739	-5.272	91.61	-2.11	-2.00
11a	6Mbps	60	5300	-5.647	-5.567	91.61	-2.22	-2.00
11a	6Mbps	64	5320	-6.108	-5.724	91.61	-2.52	-2.00
11a	6Mbps	100	5500	-5.569	-6.255	91.61	-2.51	-2.00
11a	6Mbps	116	5580	-5.566	-6.185	91.61	-2.47	-2.00
11a	6Mbps	140	5700	-5.687	-5.818	91.61	-2.36	-2.00
11a	6Mbps	144	5720	-5.732	-5.641	91.61	-2.30	-2.00
11ac-VHT20	MCS3	36	5180	-0.123	0.484	91.47	3.59	4.00
11ac-VHT20	MCS3	44	5220	0.104	0.523	91.47	3.72	4.00
11ac-VHT20	MCS3	48	5240	0.236	0.354	91.47	3.69	4.00
11ac-VHT20	MCS3	52	5260	-6.017	-5.690	91.47	-2.45	-2.00
11ac-VHT20	MCS3	60	5300	-6.287	-5.686	91.47	-2.58	-2.00
11ac-VHT20	MCS3	64	5320	-5.975	-5.677	91.47	-2.43	-2.00
11ac-VHT20	MCS3	100	5500	-5.508	-6.211	91.47	-2.45	-2.00
11ac-VHT20	MCS3	116	5580	-5.588	-6.078	91.47	-2.43	-2.00
11ac-VHT20	MCS3	140	5700	-5.385	-5.866	91.47	-2.22	-2.00
11ac-VHT20	MCS3	144	5720	-5.653	-5.506	91.47	-2.18	-2.00
11ac-VHT40	MCS2	38	5190	-3.043	-2.613	92.56	0.52	4.00
11ac-VHT40	MCS2	46	5230	-2.895	-2.501	92.56	0.65	4.00
11ac-VHT40	MCS2	54	5270	-9.279	-8.565	92.56	-5.56	-2.00
11ac-VHT40	MCS2	62	5310	-9.080	-8.833	92.56	-5.61	-2.00
11ac-VHT40	MCS2	102	5510	-10.105	-9.961	92.56	-6.69	-2.00
11ac-VHT40	MCS2	110	5550	-9.456	-9.255	92.56	-6.01	-2.00
11ac-VHT40	MCS2	134	5670	-8.681	-7.994	92.56	-4.98	-2.00
11ac-VHT40	MCS2	142	5710	-7.559	-7.699	92.56	-4.28	-2.00

11ac-VHT80	MCS4	42	5210	-6.720	-6.057	92.52	-3.03	4.00
11ac-VHT80	MCS4	58	5290	-11.779	-10.729	92.52	-7.87	-2.00
11ac-VHT80	MCS4	106	5530	-11.630	-11.963	92.52	-8.45	-2.00
11ac-VHT80	MCS4	122	5610	-11.023	-11.183	92.52	-7.75	-2.00
11ac-VHT80	MCS4	138	5690	-10.900	-10.304	92.52	-7.24	-2.00
11ax-HE20	MCS1	36	5180	-0.108	0.217	92.24	3.42	4.00
11ax-HE20	MCS1	44	5220	0.122	0.439	92.24	3.64	4.00
11ax-HE20	MCS1	48	5240	0.257	0.785	92.24	3.89	4.00
11ax-HE20	MCS1	52	5260	-5.714	-5.299	92.24	-2.14	-2.00
11ax-HE20	MCS1	60	5300	-6.090	-5.666	92.24	-2.51	-2.00
11ax-HE20	MCS1	64	5320	-5.535	-5.448	92.24	-2.13	-2.00
11ax-HE20	MCS1	100	5500	-5.210	-5.860	92.24	-2.16	-2.00
11ax-HE20	MCS1	116	5580	-5.068	-6.106	92.24	-2.19	-2.00
11ax-HE20	MCS1	140	5700	-5.662	-5.937	92.24	-2.44	-2.00
11ax-HE20	MCS1	144	5720	-5.701	-5.749	92.24	-2.36	-2.00
11ax-HE40	MCS0	38	5190	-2.920	-2.561	91.78	0.65	4.00
11ax-HE40	MCS0	46	5230	-3.185	-2.707	91.78	0.44	4.00
11ax-HE40	MCS0	54	5270	-7.695	-6.805	91.78	-3.84	-2.00
11ax-HE40	MCS0	62	5310	-8.005	-6.948	91.78	-4.06	-2.00
11ax-HE40	MCS0	102	5510	-8.115	-8.351	91.78	-4.85	-2.00
11ax-HE40	MCS0	110	5550	-7.672	-8.031	91.78	-4.46	-2.00
11ax-HE40	MCS0	134	5670	-7.810	-7.586	91.78	-4.31	-2.00
11ax-HE40	MCS0	142	5710	-7.017	-6.579	91.78	-3.41	-2.00
11ax-HE80	MCS6	42	5210	-4.709	-4.320	92.49	-1.16	4.00
11ax-HE80	MCS6	58	5290	-11.829	-10.983	92.49	-8.04	-2.00
11ax-HE80	MCS6	106	5530	-11.062	-11.496	92.49	-7.92	-2.00
11ax-HE80	MCS6	122	5610	-10.909	-11.075	92.49	-7.64	-2.00
11ax-HE80	MCS6	138	5690	-10.927	-10.577	92.49	-7.40	-2.00

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

When EUT duty cycle ≥ 98%, the total PSD (dBm/MHz) =10*log {$10^{(\text{Ant 0 AVGPSD}/10)}$ + $10^{(\text{Ant 1 AVGPSD}/10)}$}.

Note 2: For 5150-5250MHz, PSD Limit (dBm/500kHz) = 17 - (19.0 - 6) = 4.00dBm/MHz.

For 5250-5350MHz&5470-5725MHz, PSD Limit (dBm/500kHz) = 11 - (19.0 - 6) = -2.00dBm/MHz.

Test Site	SIP-TR1	Test Engineer	Alisa Deng
Test Date	2023-08-29	Radio Specification	Radio 0
Model No.	AX52e		
Test Item	Power Spectral Density (UNII-Band 3)		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/ 510kHz)		Duty Cycle (%)	Total PSD (dBm/ 510kHz)	PSD Limit (dBm/ 500kHz)
				Ant 0	Ant 1			
11a	6Mbps	149	5745	-0.844	-0.371	91.61	2.79	≤ 17.00
11a	6Mbps	157	5785	-1.310	-0.148	91.61	2.70	≤ 17.00
11a	6Mbps	165	5825	-1.578	-0.774	91.61	2.23	≤ 17.00
11ac-VHT20	MCS3	149	5745	-1.415	-0.766	91.47	2.32	≤ 17.00
11ac-VHT20	MCS3	157	5785	-1.588	-0.672	91.47	2.29	≤ 17.00
11ac-VHT20	MCS3	165	5825	-1.489	-0.756	91.47	2.29	≤ 17.00
11ac-VHT40	MCS2	151	5755	-3.990	-3.270	92.56	-0.27	≤ 17.00
11ac-VHT40	MCS2	159	5795	-3.790	-2.670	92.56	0.15	≤ 17.00
11ac-VHT80	MCS4	155	5775	-7.490	-6.900	92.52	-3.84	≤ 17.00
11ax-HE20	MCS1	149	5745	-2.026	-1.254	92.24	1.74	≤ 17.00
11ax-HE20	MCS1	157	5785	-2.270	-1.387	92.24	1.56	≤ 17.00
11ax-HE20	MCS1	165	5825	-2.170	-1.338	92.24	1.63	≤ 17.00
11ax-HE40	MCS0	151	5755	-4.170	-3.600	91.78	-0.49	≤ 17.00
11ax-HE40	MCS0	159	5795	-4.010	-3.030	91.78	-0.11	≤ 17.00
11ax-HE80	MCS6	155	5775	-7.140	-6.300	92.49	-3.35	≤ 17.00

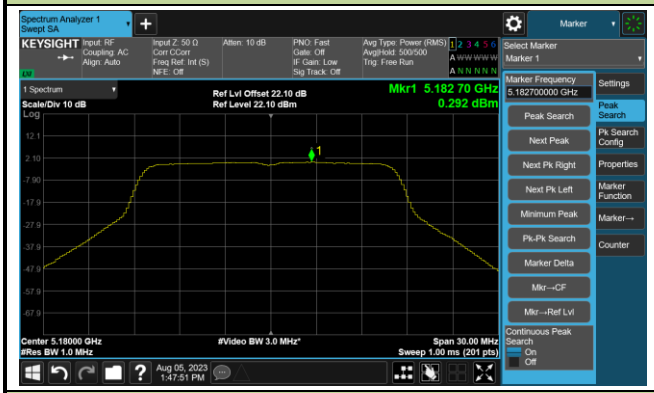
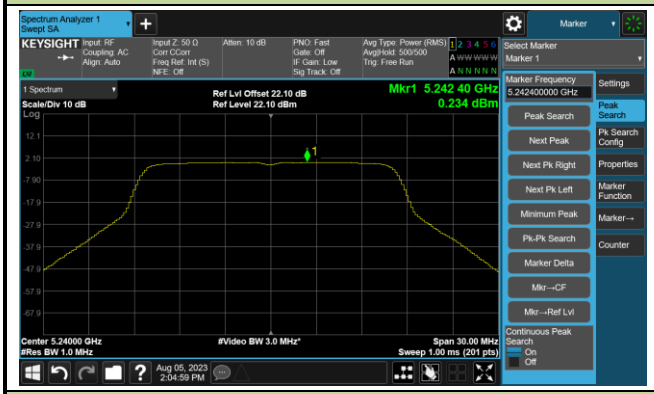
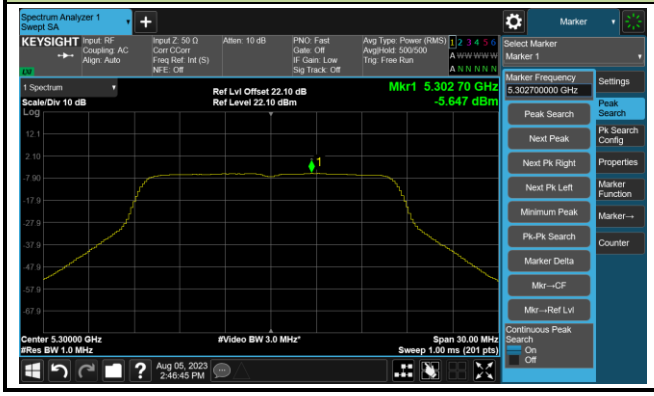
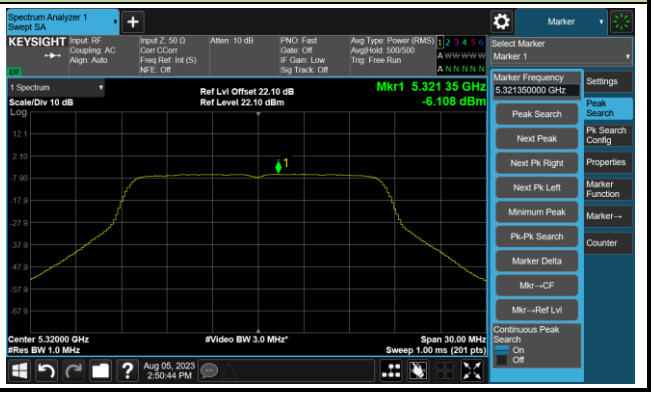
Note 1:

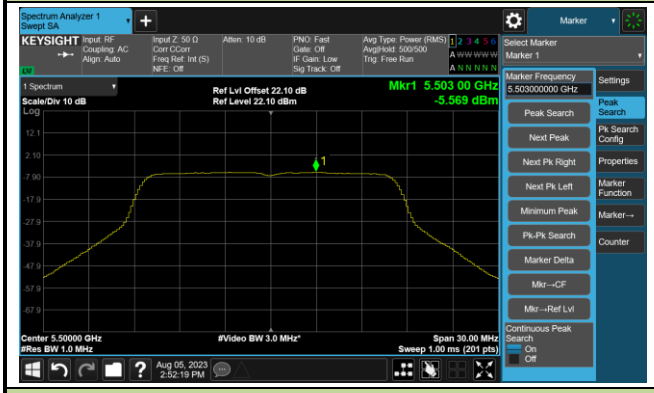
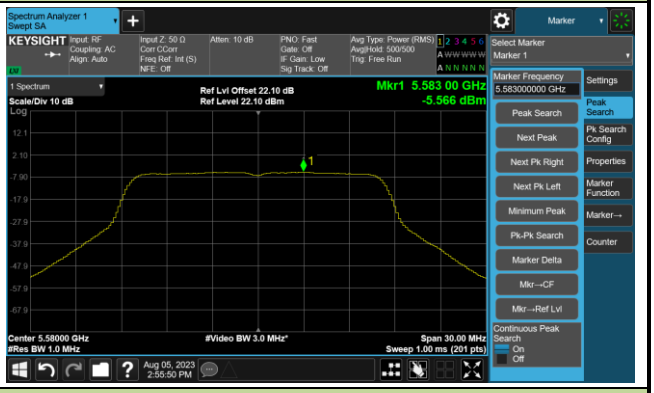
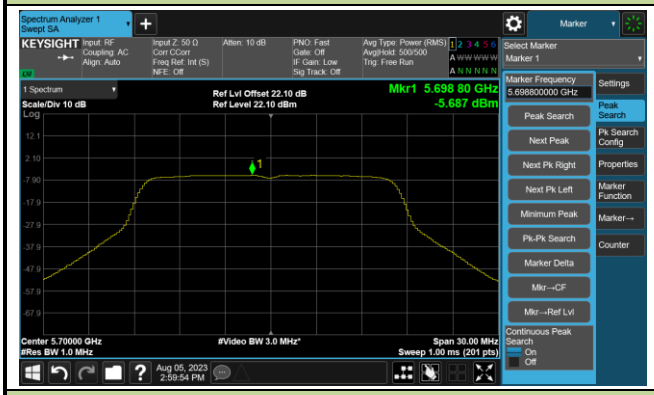
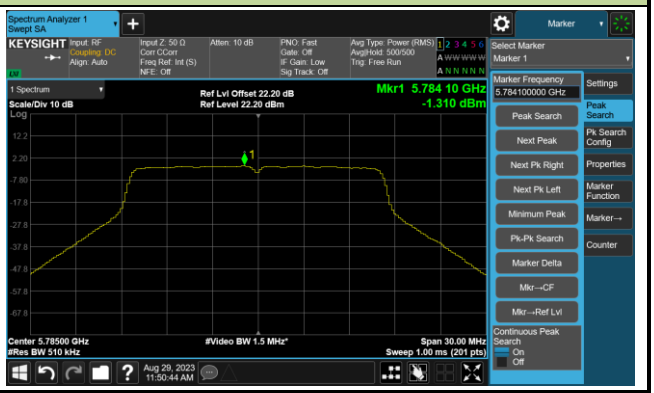
When EUT duty cycle < 98%, the total PSD (dBm/510kHz) =10*log {$10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}$}

+10*log (1/Duty cycle).

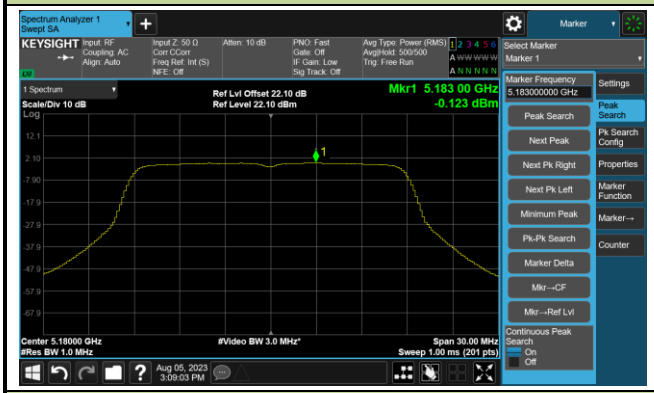
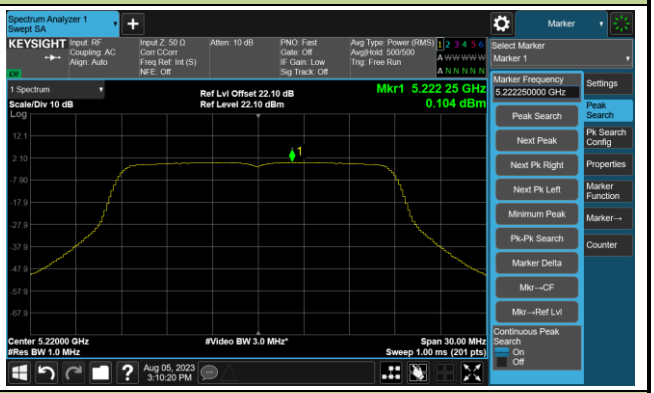
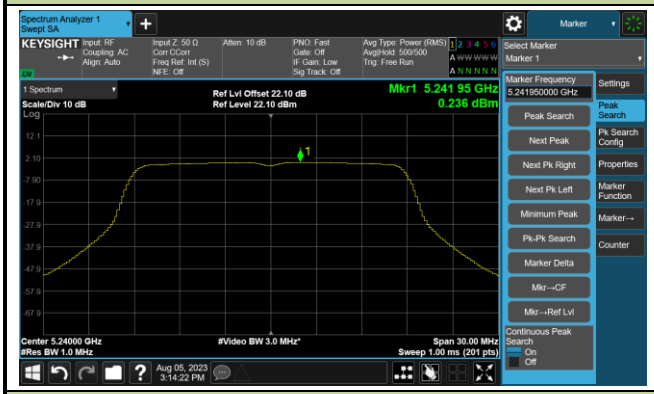
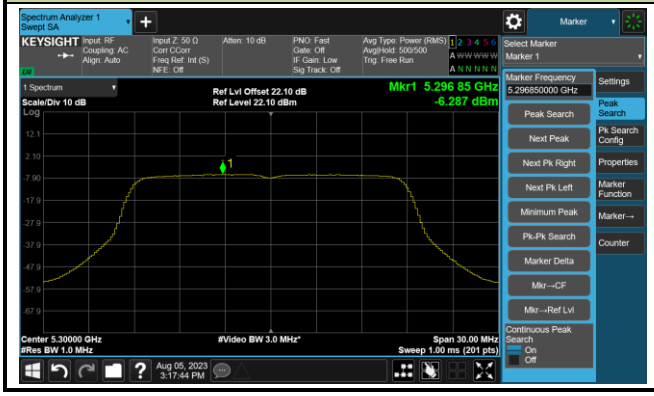
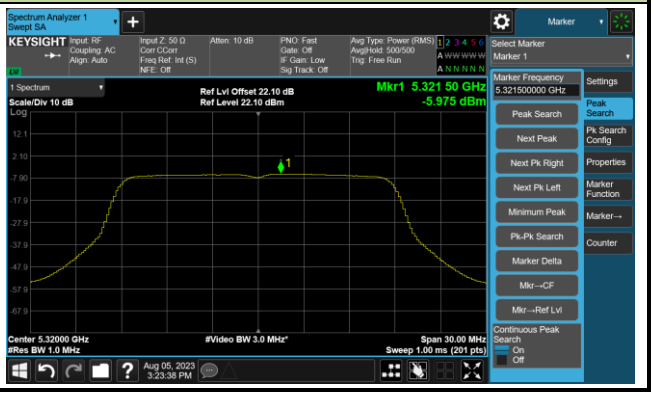
When EUT duty cycle ≥ 98%, the total PSD (dBm/510kHz) =10*log {$10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}$}.

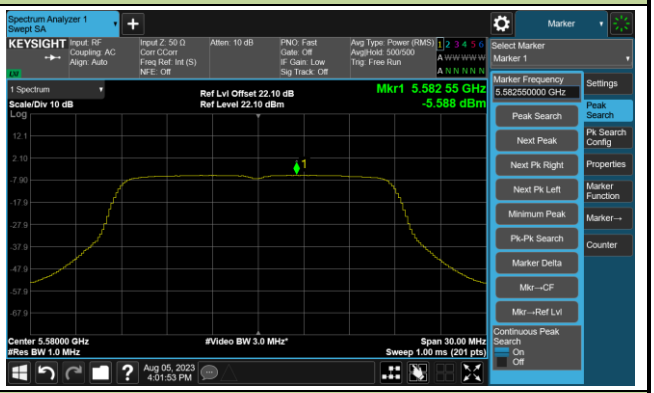
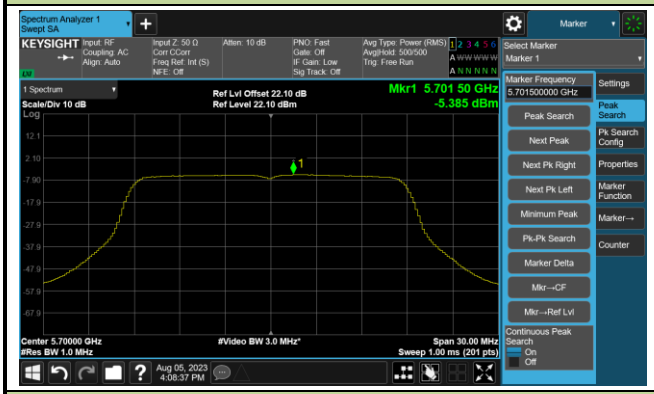
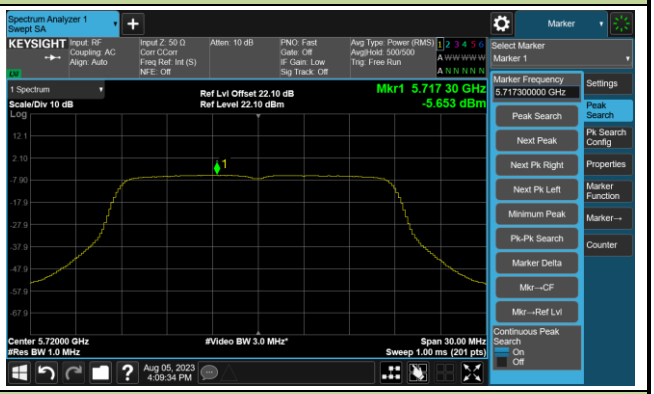
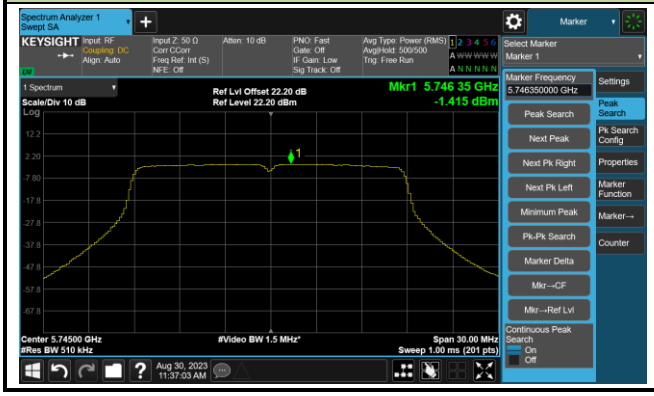
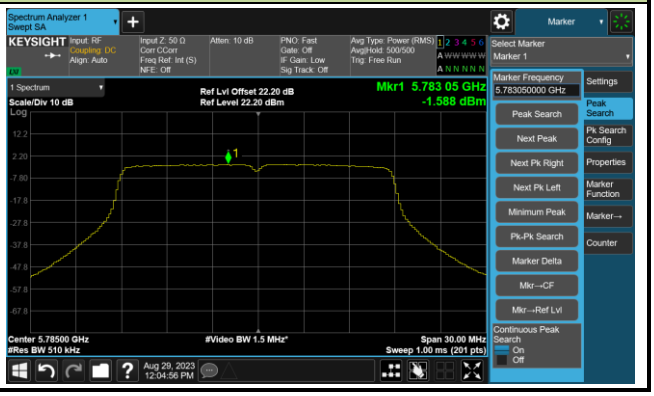
Note 2: PSD Limit (dBm/500kHz) = 30 - (19.0 - 6) = 17.00dBm/MHz.

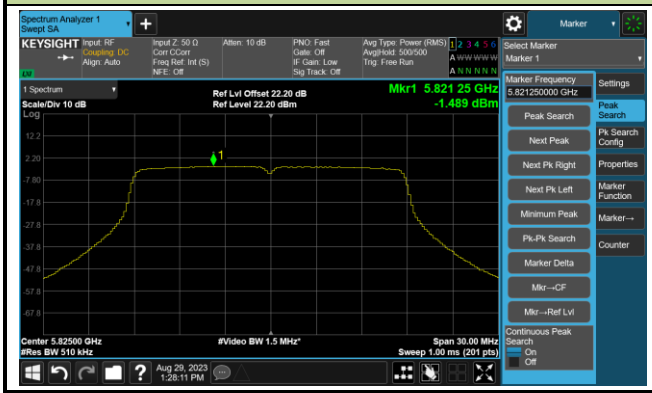
802.11a Power Spectral Density- Ant 0	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	

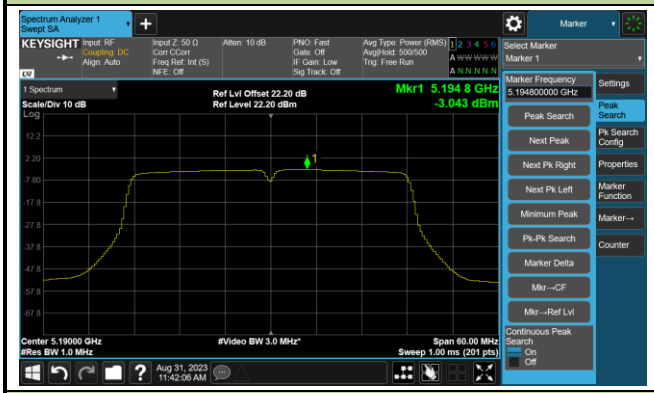
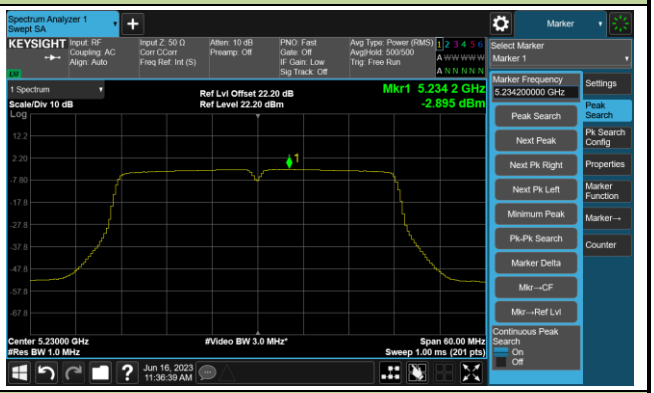
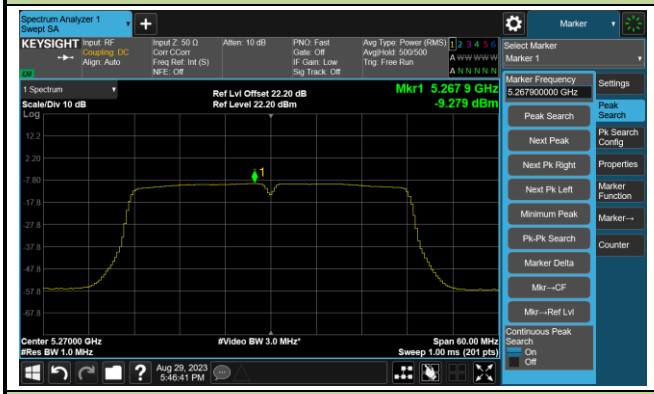
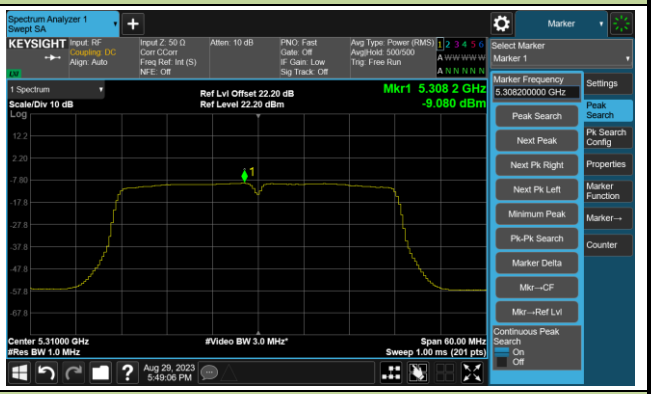
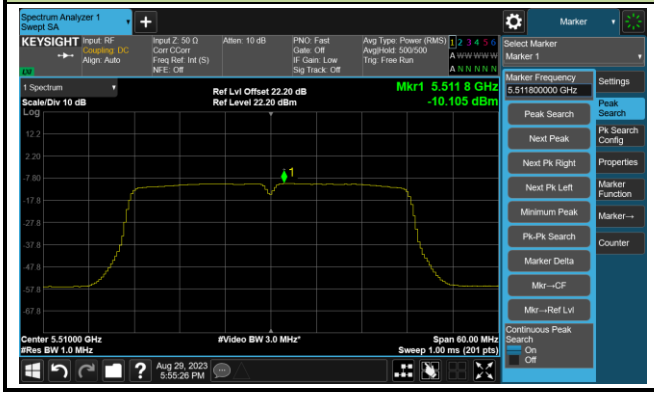
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	
Channel 140 (5700MHz)	**Channel 144(5720MHz)**
	
Channel 149 (5745MHz)	**Channel 157 (5785MHz)**
	

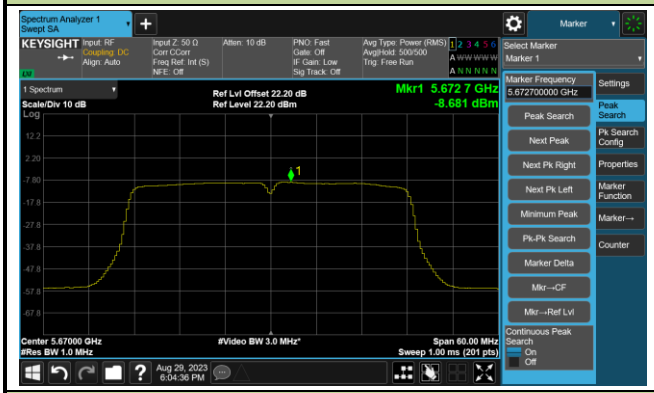
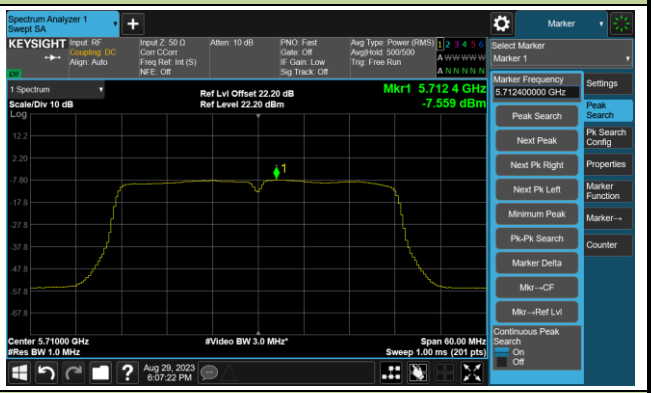
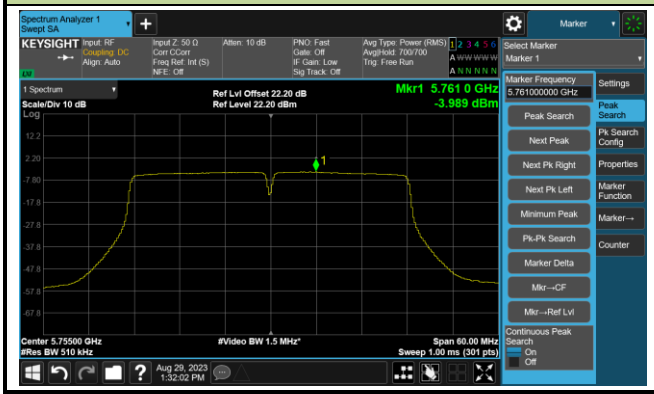
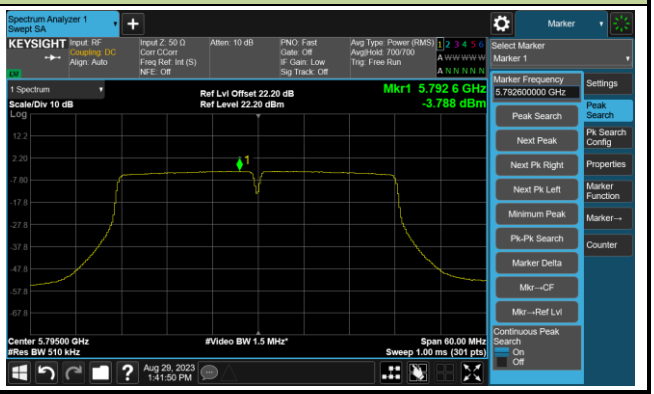
802.11a Power Spectral Density- Ant 0	
Channel 165 (5825MHz)	
	

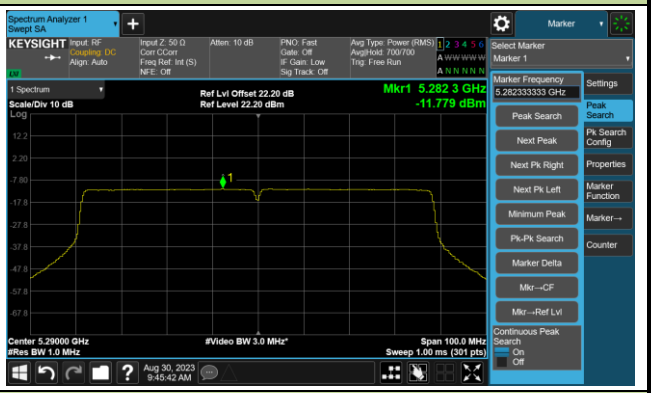
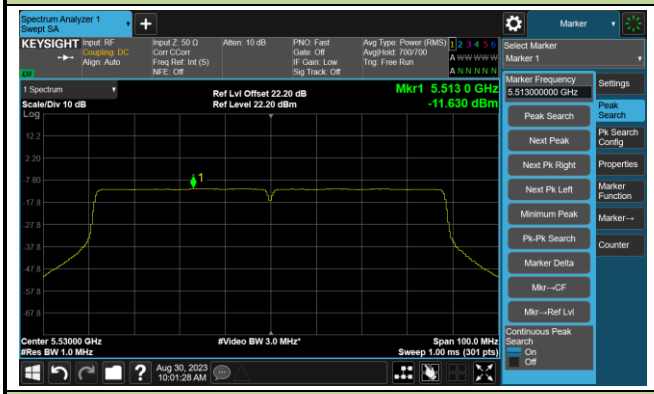
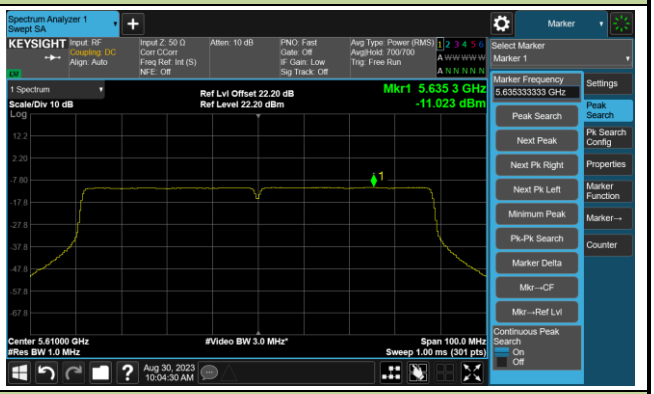
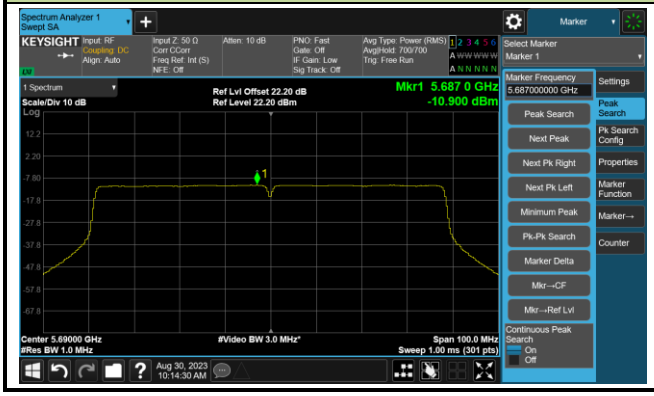
802.11ac-VHT20 Power Spectral Density- Ant 0	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	

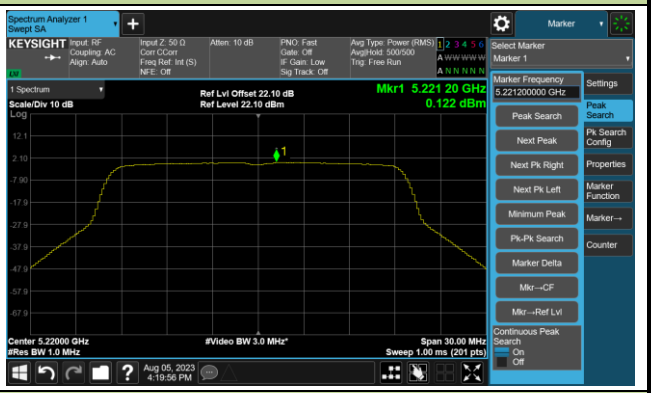
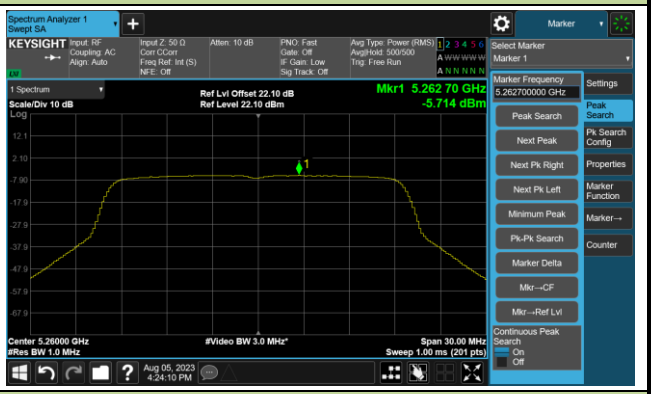
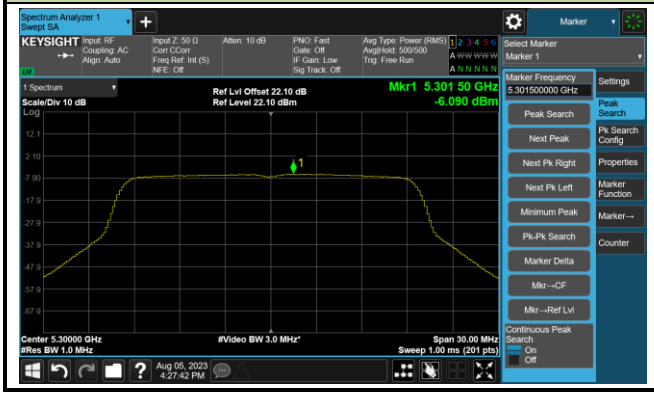
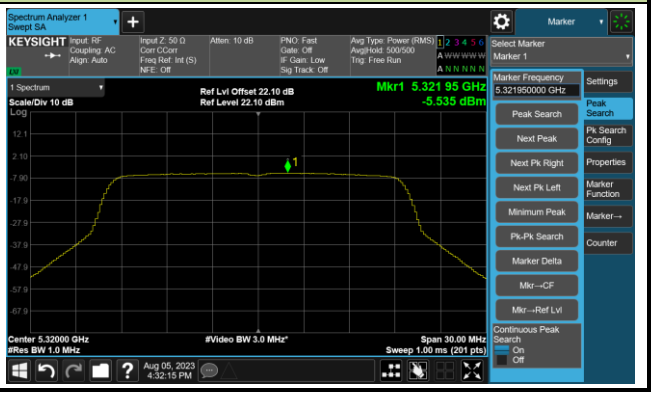
802.11ac-VHT20 Power Spectral Density- Ant 0	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	
Channel 140 (5700MHz)	Channel 144(5720MHz)
	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	

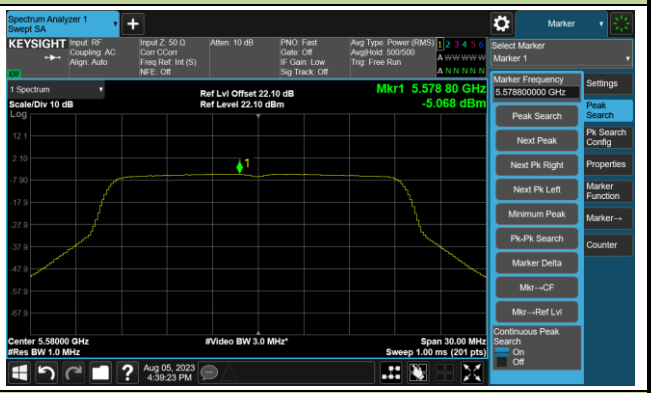
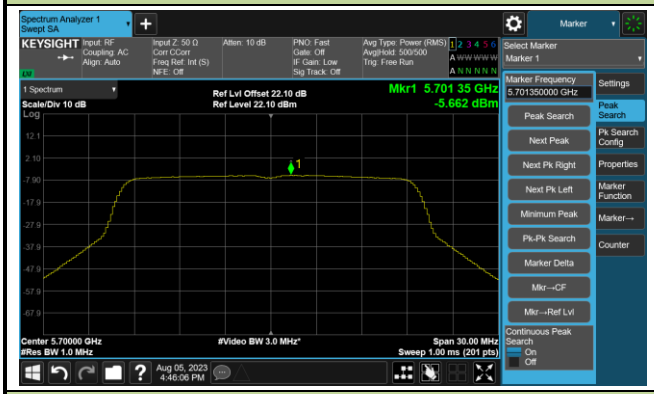
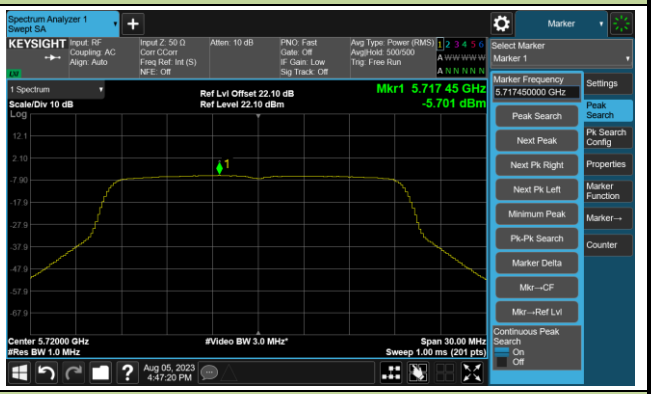
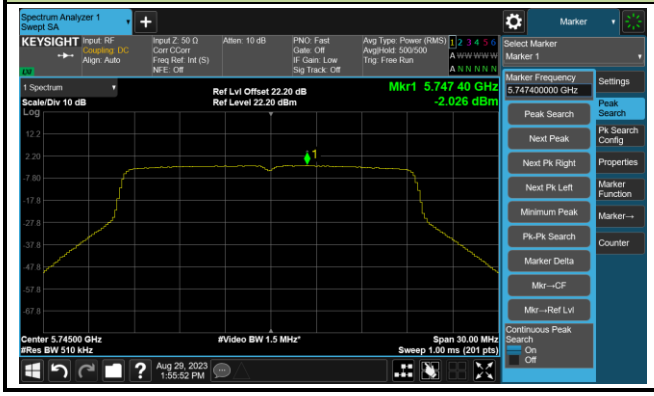
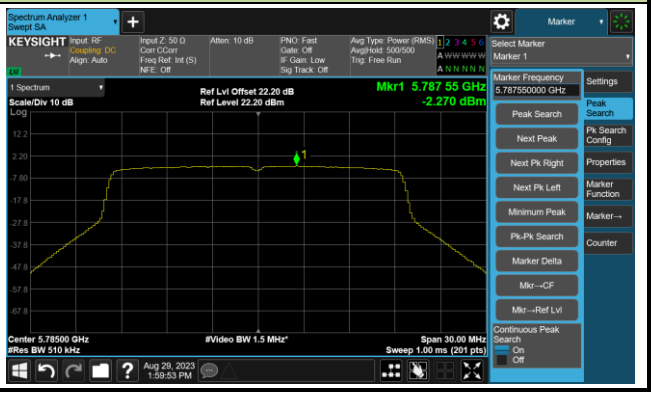
802.11ac-VHT20 Power Spectral Density- Ant 0	
Channel 165 (5825MHz)	
	

802.11ac-VHT40 Power Spectral Density- Ant 0	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	

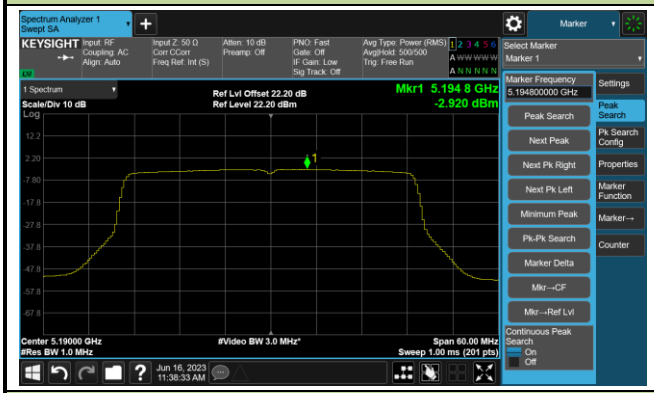
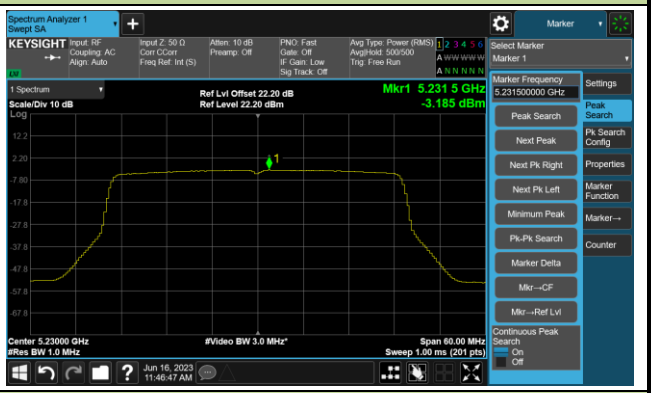
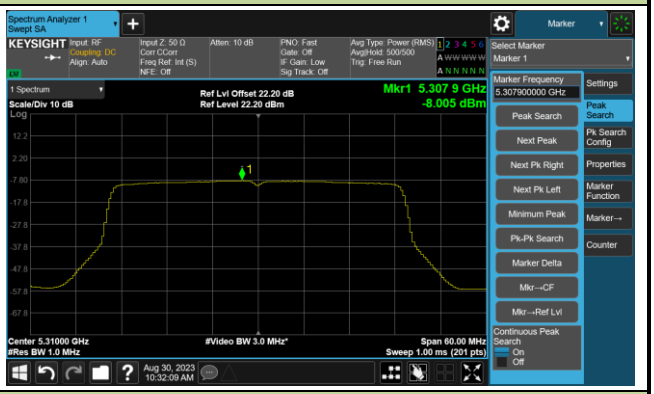
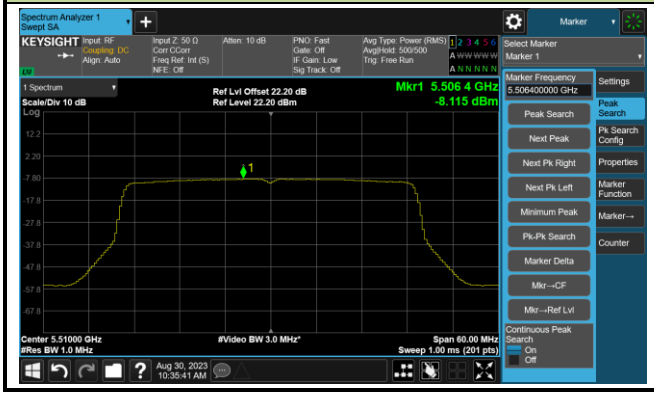
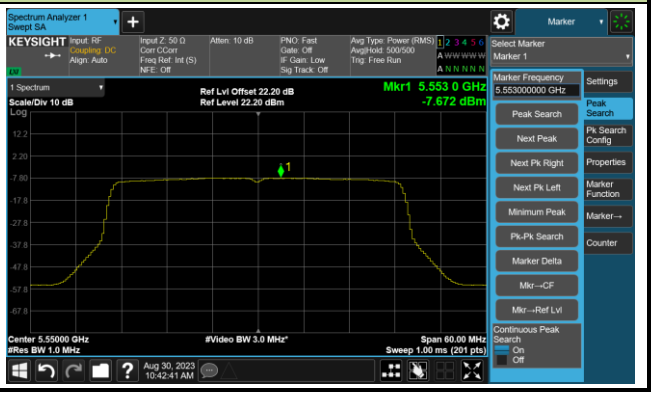
802.11ac-VHT40 Power Spectral Density- Ant 0	
Channel 134 (5670MHz)	Channel 142(5710MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

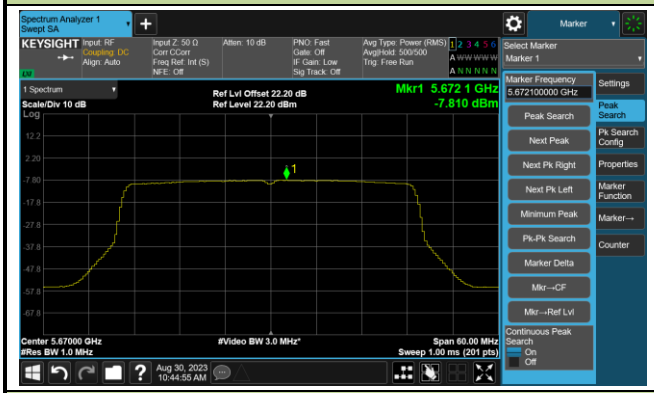
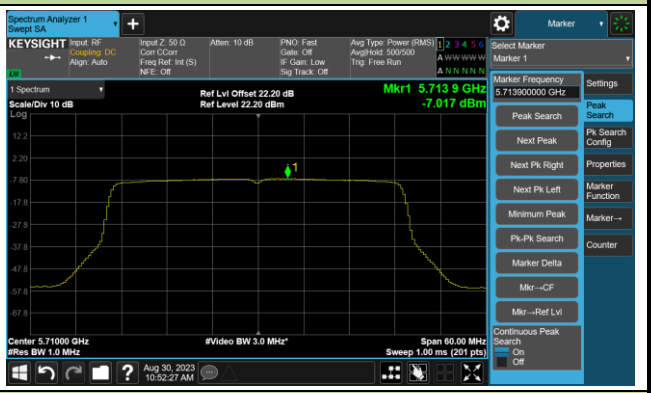
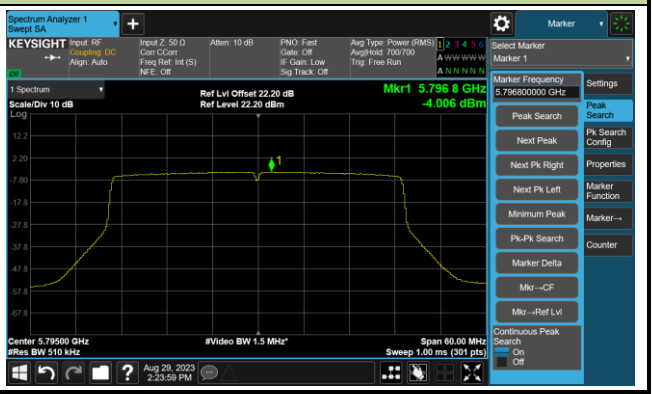
802.11ac-VHT80 Power Spectral Density- Ant 0	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

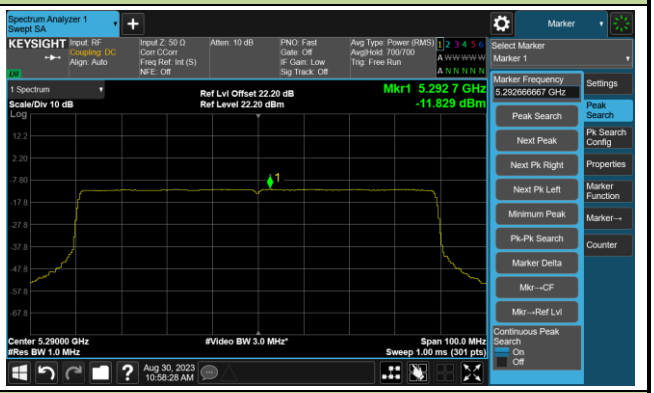
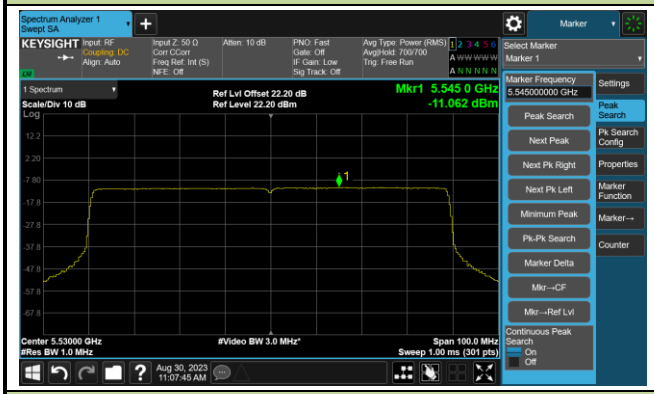
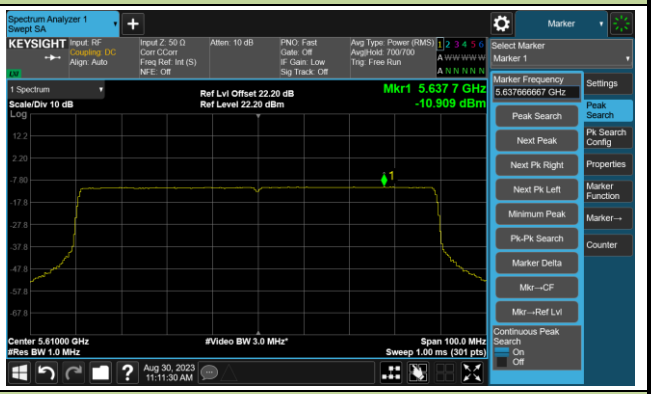
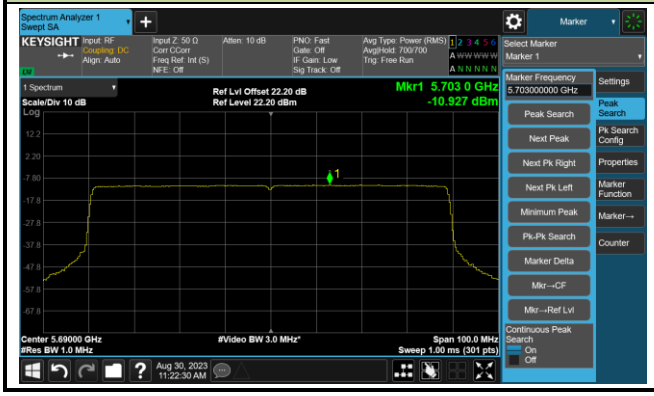
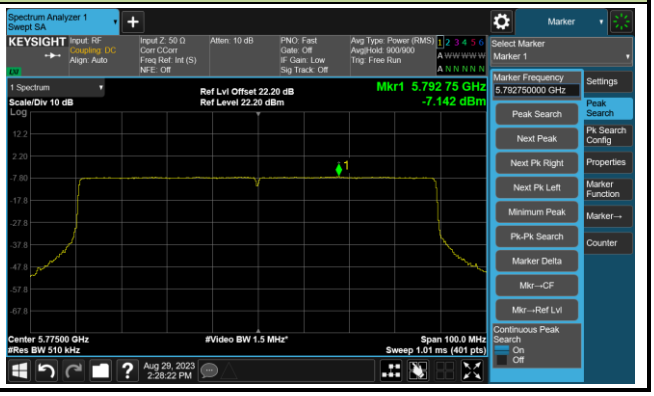
802.11ax-HE20 Power Spectral Density- Ant 0	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	

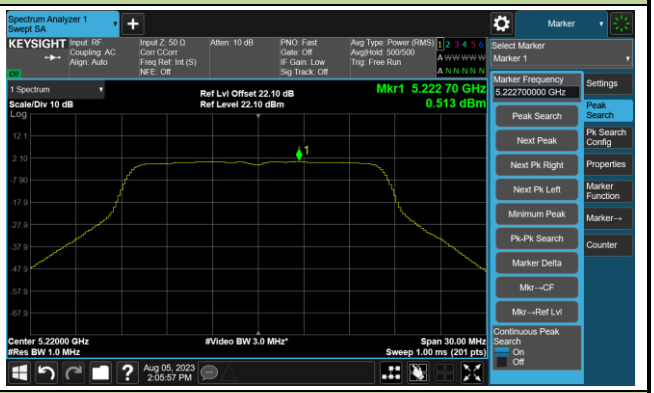
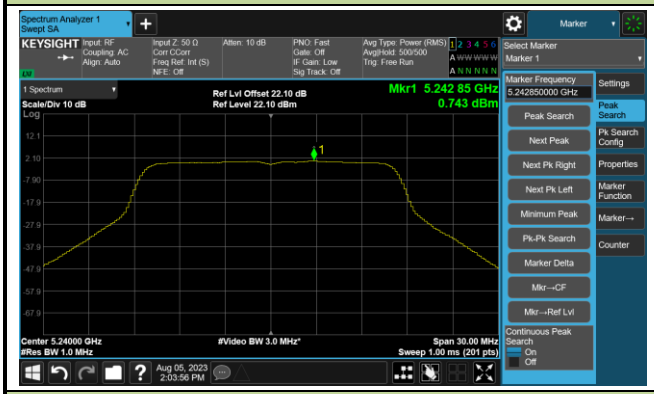
802.11ax-HE20 Power Spectral Density- Ant 0	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	
Channel 140 (5700MHz)	Channel 144(5720MHz)
	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	

802.11ax-HE20 Power Spectral Density- Ant 0	
Channel 165 (5825MHz)	
	

802.11ax-HE40 Power Spectral Density- Ant 0	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 54 (5270MHz)	Channel 62 (5310MHz)
	
Channel 102 (5510MHz)	Channel 110 (5550MHz)
	

802.11ax-HE40 Power Spectral Density- Ant 0	
Channel 134 (5670MHz)	Channel 142(5710MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE80 Power Spectral Density- Ant 0	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

802.11a Power Spectral Density- Ant 1	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)