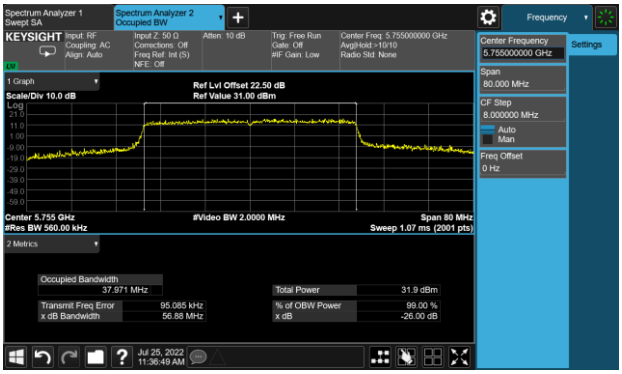
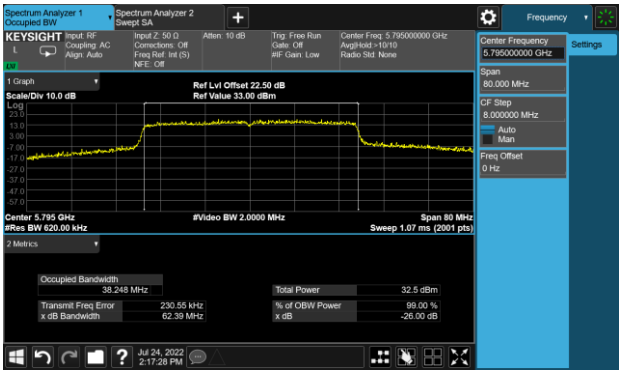
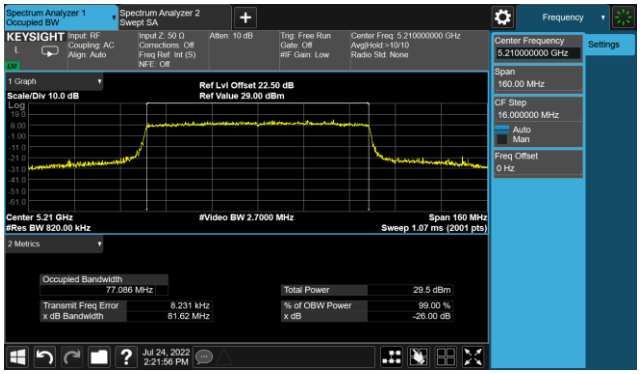
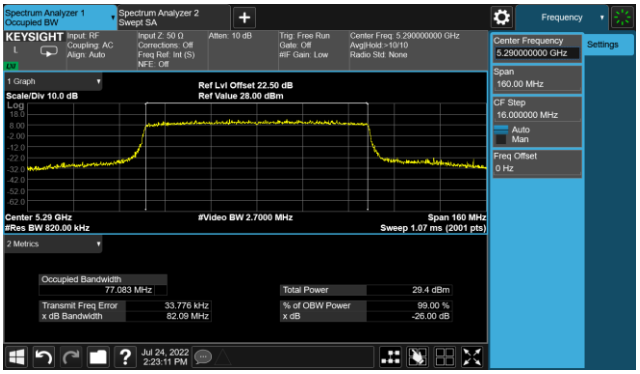
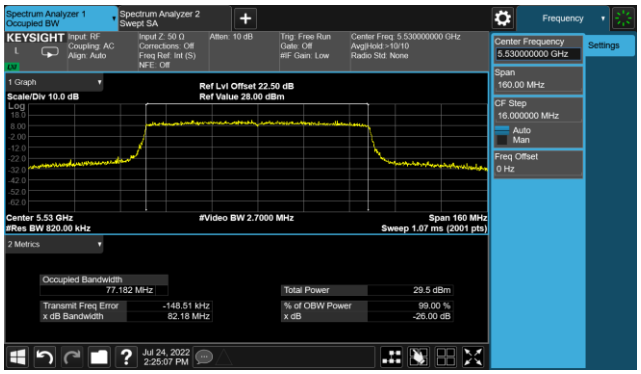
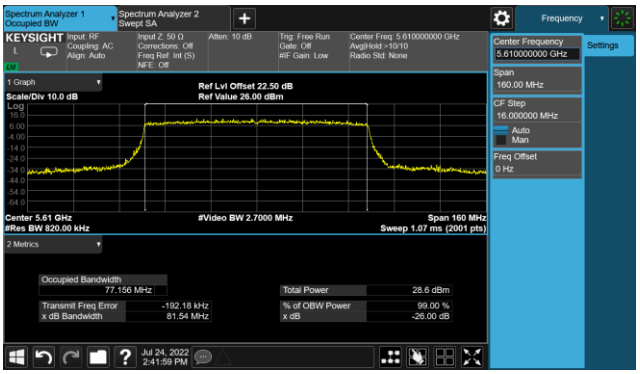
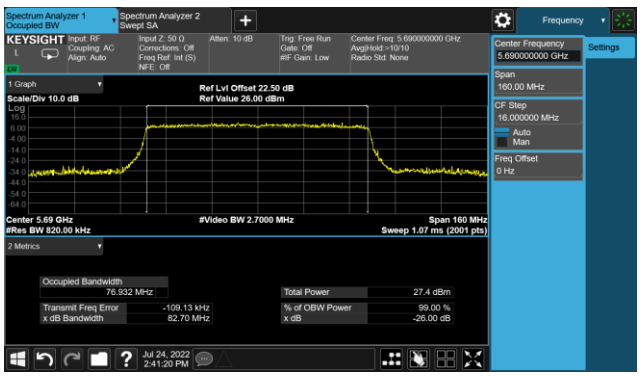
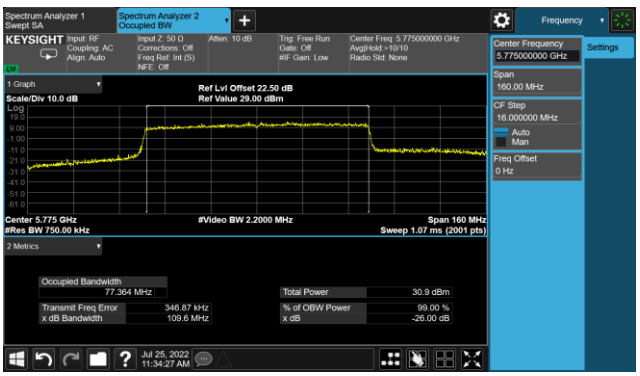
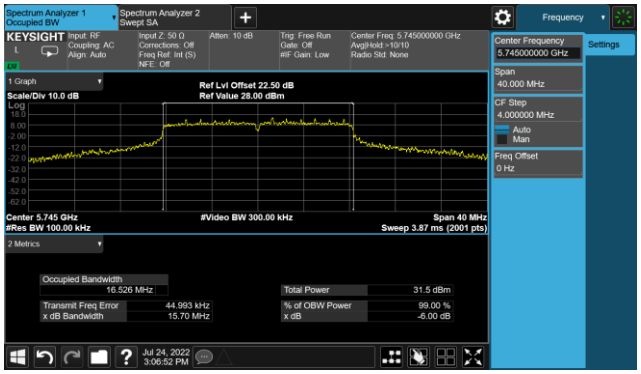
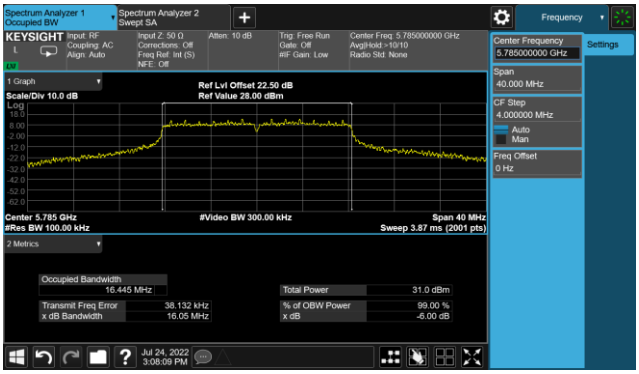
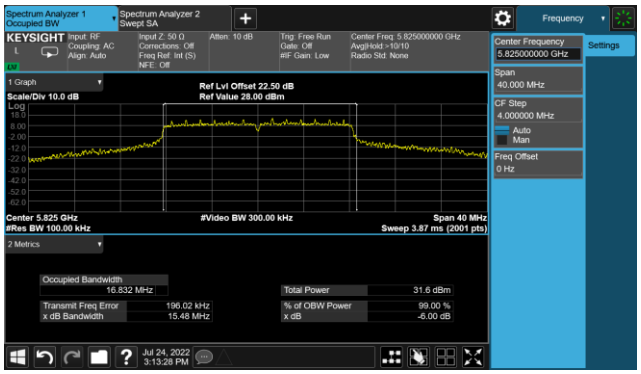
802.11ax-HE40 26dB & 99% Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

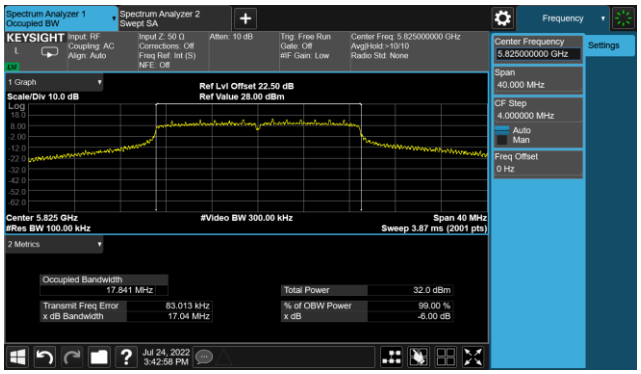
802.11ax-HE80 26dB & 99% Bandwidth	
Channel 42 (5210MHz)	Channel 58 (5290MHz)
	
Channel 106 (5530MHz)	Channel 122 (5610MHz)
	
Channel 138 (5690MHz)	Channel 155 (5775MHz)
	

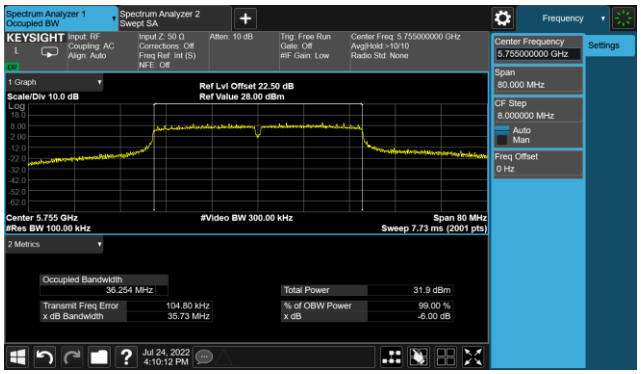
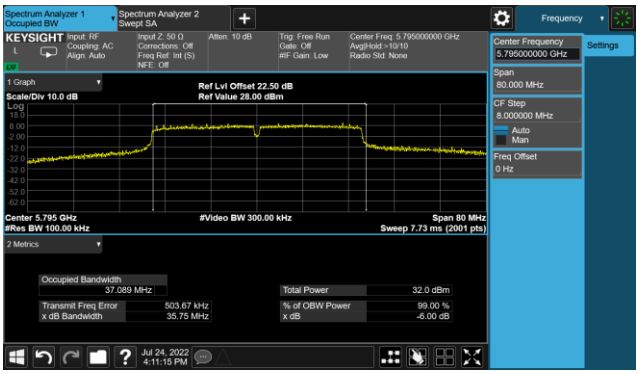
A.3 6dB Bandwidth Test Result

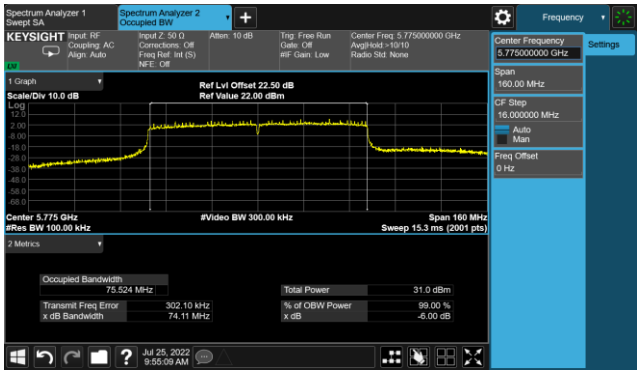
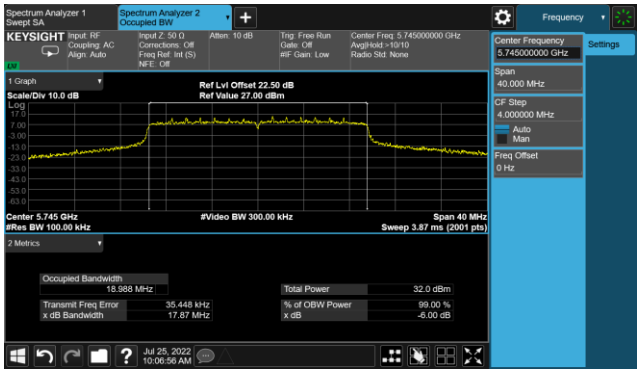
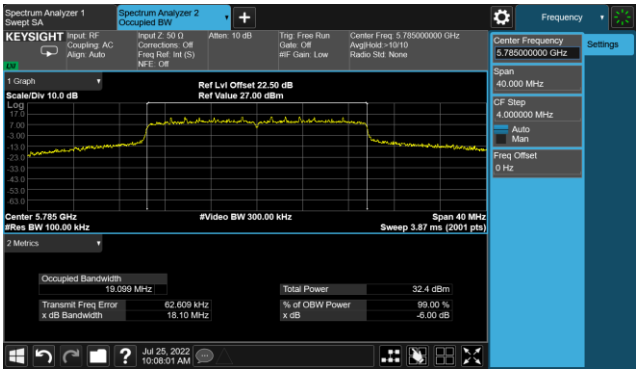
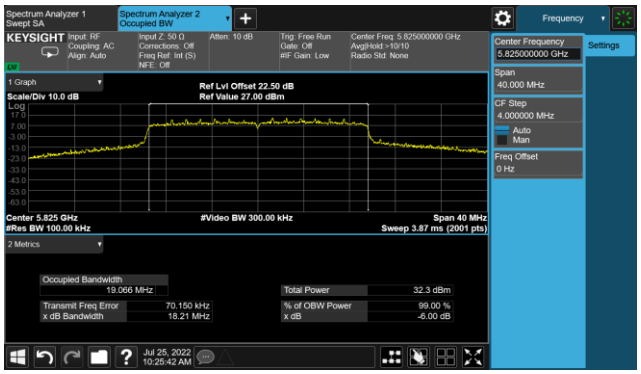
Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2022-07-24 ~ 2022-07-25		

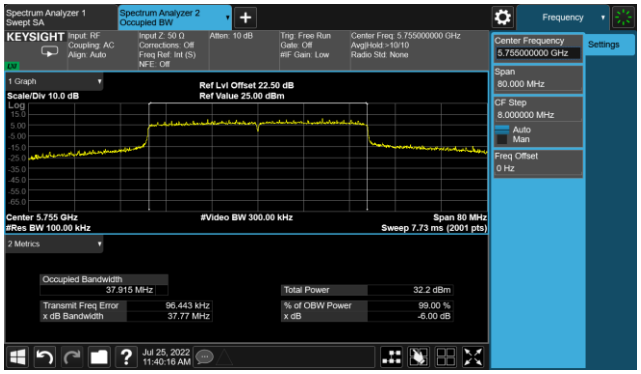
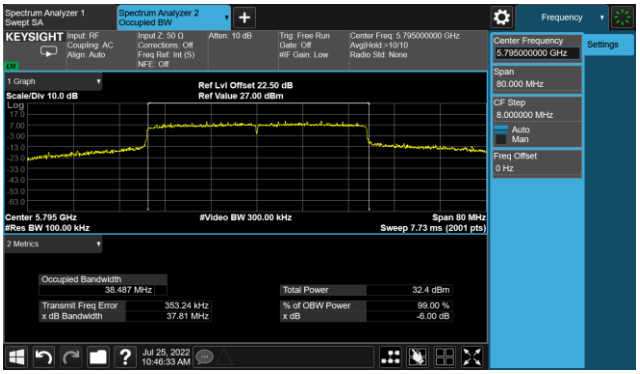
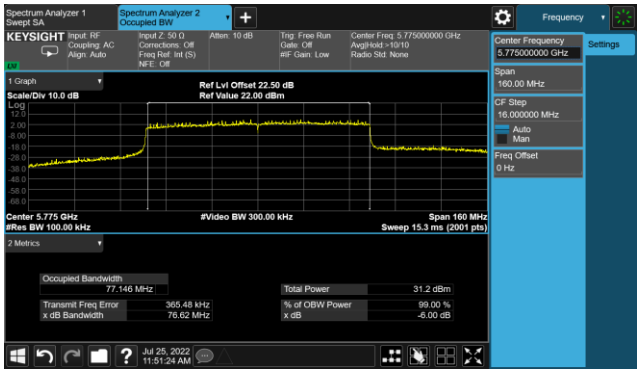
Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11a	6Mbps	149	5745	15.70	≥0.5
11a	6Mbps	157	5785	16.05	≥0.5
11a	6Mbps	165	5825	15.48	≥0.5
11ac-VHT20	MCS0	149	5745	15.96	≥0.5
11ac-VHT20	MCS0	157	5785	16.02	≥0.5
11ac-VHT20	MCS0	165	5825	17.04	≥0.5
11ac-VHT40	MCS0	151	5755	35.73	≥0.5
11ac-VHT40	MCS0	159	5795	35.75	≥0.5
11ac-VHT80	MCS0	155	5775	74.11	≥0.5
11ax-HE20	MCS0	149	5745	17.87	≥0.5
11ax-HE20	MCS0	157	5785	18.10	≥0.5
11ax-HE20	MCS0	165	5825	18.21	≥0.5
11ax-HE40	MCS0	151	5755	37.77	≥0.5
11ax-HE40	MCS0	159	5795	37.81	≥0.5
11ax-HE80	MCS0	155	5775	76.62	≥0.5

802.11a 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11ac-VHT20 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11ac-VHT40 6dB Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ac-VHT80 6dB Bandwidth	
Channel 155 (5775MHz)	
	
802.11ax-HE20 6dB Bandwidth	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

802.11ac-VHT40 6dB Bandwidth	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ax-HE80 6dB Bandwidth	
Channel 155 (5775MHz)	
	

A.4 Output Power Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2022-07-23		

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11a	6Mbps	36	5180	23.02	24.12	26.62	≤ 30.00
11a	6Mbps	44	5220	24.70	25.51	28.13	≤ 30.00
11a	6Mbps	48	5240	24.37	25.13	27.78	≤ 30.00
11a	6Mbps	52	5260	17.74	18.68	21.25	≤ 23.98
11a	6Mbps	60	5300	17.36	18.03	20.72	≤ 23.98
11a	6Mbps	64	5320	16.90	17.58	20.26	≤ 23.98
11a	6Mbps	100	5500	16.66	16.26	19.47	≤ 23.98
11a	6Mbps	116	5580	17.62	16.52	20.12	≤ 23.98
11a	6Mbps	140	5700	16.99	15.00	19.12	≤ 23.98
11a	6Mbps	144	5720	16.63	15.98	19.33	≤ 22.83
11a	6Mbps	149	5745	23.42	22.15	25.84	≤ 30.00
11a	6Mbps	157	5785	22.72	21.62	25.22	≤ 30.00
11a	6Mbps	165	5825	23.23	22.78	26.02	≤ 30.00
11ac-VHT20	MCS0	36	5180	23.67	25.13	27.47	≤ 30.00
11ac-VHT20	MCS0	44	5220	24.67	25.55	28.14	≤ 30.00
11ac-VHT20	MCS0	48	5240	24.19	25.13	27.70	≤ 30.00
11ac-VHT20	MCS0	52	5260	17.52	18.21	20.89	≤ 23.98
11ac-VHT20	MCS0	60	5300	17.99	18.89	21.47	≤ 23.98
11ac-VHT20	MCS0	64	5320	17.59	18.28	20.96	≤ 23.98
11ac-VHT20	MCS0	100	5500	17.44	16.92	20.20	≤ 23.98
11ac-VHT20	MCS0	116	5580	17.61	16.50	20.10	≤ 23.98
11ac-VHT20	MCS0	140	5700	17.40	15.88	19.72	≤ 23.98
11ac-VHT20	MCS0	144	5720	17.39	16.11	19.81	≤ 22.85
11ac-VHT20	MCS0	149	5745	24.23	22.05	26.29	≤ 30.00
11ac-VHT20	MCS0	157	5785	24.33	22.47	26.51	≤ 30.00
11ac-VHT20	MCS0	165	5825	24.07	22.78	26.48	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11ac-VHT40	MCS0	38	5190	21.67	22.85	25.31	≤ 30.00
11ac-VHT40	MCS0	46	5230	24.52	24.25	27.40	≤ 30.00
11ac-VHT40	MCS0	54	5270	20.08	20.94	23.54	≤ 23.98
11ac-VHT40	MCS0	62	5310	20.13	21.32	23.78	≤ 23.98
11ac-VHT40	MCS0	102	5510	19.82	19.34	22.60	≤ 23.98
11ac-VHT40	MCS0	110	5550	21.05	19.61	23.40	≤ 23.98
11ac-VHT40	MCS0	134	5670	20.53	19.59	23.10	≤ 23.98
11ac-VHT40	MCS0	142	5710	19.24	18.39	21.85	≤ 23.98
11ac-VHT40	MCS0	151	5755	23.84	21.70	25.91	≤ 30.00
11ac-VHT40	MCS0	159	5795	24.04	22.29	26.26	≤ 30.00
11ac-VHT80	MCS0	42	5210	20.69	21.95	24.38	≤ 30.00
11ac-VHT80	MCS0	58	5290	19.91	21.12	23.57	≤ 23.98
11ac-VHT80	MCS0	106	5530	21.12	20.22	23.70	≤ 23.98
11ac-VHT80	MCS0	122	5610	20.68	19.37	23.08	≤ 23.98
11ac-VHT80	MCS0	138	5690	21.29	19.50	23.50	≤ 23.98
11ac-VHT80	MCS0	155	5775	22.66	20.70	24.80	≤ 30.00
11ax-HE20	MCS0	36	5180	22.72	23.91	26.37	≤ 30.00
11ax-HE20	MCS0	44	5220	24.47	25.36	27.95	≤ 30.00
11ax-HE20	MCS0	48	5240	25.07	25.84	28.48	≤ 30.00
11ax-HE20	MCS0	52	5260	18.40	19.22	21.84	≤ 23.98
11ax-HE20	MCS0	60	5300	17.86	18.77	21.35	≤ 23.98
11ax-HE20	MCS0	64	5320	17.60	18.24	20.94	≤ 23.98
11ax-HE20	MCS0	100	5500	17.22	16.79	20.02	≤ 23.98
11ax-HE20	MCS0	116	5580	17.66	16.33	20.06	≤ 23.98
11ax-HE20	MCS0	140	5700	18.34	16.71	20.61	≤ 23.98
11ax-HE20	MCS0	144	5720	18.52	16.82	20.76	≤ 23.00
11ax-HE20	MCS0	149	5745	24.16	21.95	26.20	≤ 30.00
11ax-HE20	MCS0	157	5785	24.20	22.25	26.34	≤ 30.00
11ax-HE20	MCS0	165	5825	23.82	22.62	26.27	≤ 30.00

Test Mode	Data Rate MCS	Channel No.	Freq. (MHz)	Average Power (dBm)		Total Average Power (dBm)	Average Power Limit (dBm)
				Ant 0	Ant 1		
11ax-HE40	MCS0	38	5190	21.29	22.54	24.97	≤ 30.00
11ax-HE40	MCS0	46	5230	24.22	25.10	27.69	≤ 30.00
11ax-HE40	MCS0	54	5270	19.71	20.56	23.17	≤ 23.98
11ax-HE40	MCS0	62	5310	19.76	20.91	23.38	≤ 23.98
11ax-HE40	MCS0	102	5510	20.61	19.52	23.11	≤ 23.98
11ax-HE40	MCS0	110	5550	20.68	19.17	23.00	≤ 23.98
11ax-HE40	MCS0	134	5670	20.22	19.35	22.82	≤ 23.98
11ax-HE40	MCS0	142	5710	21.73	19.79	23.88	≤ 23.98
11ax-HE40	MCS0	151	5755	23.57	21.37	25.62	≤ 30.00
11ax-HE40	MCS0	159	5795	23.76	21.79	25.90	≤ 30.00
11ax-HE80	MCS0	42	5210	20.45	21.82	24.20	≤ 30.00
11ax-HE80	MCS0	58	5290	19.77	20.98	23.43	≤ 23.98
11ax-HE80	MCS0	106	5530	20.99	20.19	23.62	≤ 23.98
11ax-HE80	MCS0	122	5610	21.54	20.07	23.88	≤ 23.98
11ax-HE80	MCS0	138	5690	21.18	19.34	23.37	≤ 23.98
11ax-HE80	MCS0	155	5775	22.55	20.46	24.64	≤ 30.00

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

Note 2:

For 5250-5350MHz & 5470-5725MHz, the conducted power limit is as below.

802.11a: 11 + 10 log10 (20.76) > 23.98 dBm

802.11ac-VHT20: 11 + 10 log10 (21.58) > 23.98 dBm

802.11ax-HE20: 11 + 10 log10 (22.03) > 23.98 dBm

802.11ac-VHT40/ac-VHT80/ax-HE40/ax-HE80: 11 + 10 log10 B > 23.98dBm

Note 3: For straddle channel, the conducted power limit is as below.

802.11a CH144: 11 + 10 log10 (B) = 22.83dBm, B = 20.47/2 + 5 = 15.235MHz.

802.11ac-VHT20 CH144: 11 + 10 log10 (B) = 22.85dBm, B = 20.63/2 + 5 = 15.315MHz.

802.11ax-HE20 CH144: 11 + 10 log10 (B) = 23.00dBm, B = 21.69/2 + 5 = 15.845MHz.

A.5 Power Spectral Density Test Result

Test Site	WZ-SR5	Test Engineer	Lynn Yang
Test Date	2022-07-22~2022-07-25		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AV PSD (dBm/ MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	Limit (dBm/MHz)
				Ant 0	Ant 1			
For NII-1/-2a/-2c Bands								
11a	6Mbps	36	5180	11.457	12.228	93.92	15.142	16.79
11a	6Mbps	44	5220	12.767	13.467	93.92	16.414	16.79
11a	6Mbps	48	5240	12.399	13.225	93.92	16.114	16.79
11a	6Mbps	52	5260	5.921	6.588	93.92	9.550	9.79
11a	6Mbps	60	5300	5.586	6.447	93.92	9.321	9.79
11a	6Mbps	64	5320	5.204	5.801	93.92	8.795	9.79
11a	6Mbps	100	5500	4.952	4.276	93.92	7.910	8.79
11a	6Mbps	116	5580	5.957	4.656	93.92	8.638	8.79
11a	6Mbps	140	5700	5.435	3.323	93.92	7.789	8.79
11a	6Mbps	144	5720	6.018	4.532	93.92	8.621	8.79
11ac-VHT20	MCS0	36	5180	11.543	12.630	92.32	15.478	16.79
11ac-VHT20	MCS0	44	5220	12.175	12.852	92.32	15.884	16.79
11ac-VHT20	MCS0	48	5240	11.732	12.483	92.32	15.481	16.79
11ac-VHT20	MCS0	52	5260	5.078	5.889	92.32	8.860	9.79
11ac-VHT20	MCS0	60	5300	5.713	6.747	92.32	9.618	9.79
11ac-VHT20	MCS0	64	5320	5.489	6.166	92.32	9.198	9.79
11ac-VHT20	MCS0	100	5500	5.183	4.634	92.32	8.275	8.79
11ac-VHT20	MCS0	116	5580	5.471	4.280	92.32	8.274	8.79
11ac-VHT20	MCS0	140	5700	5.438	3.661	92.32	7.997	8.79
11ac-VHT20	MCS0	144	5720	5.268	3.860	92.32	7.978	8.79
11ac-VHT40	MCS0	38	5190	6.579	7.338	90.55	10.416	16.79
11ac-VHT40	MCS0	46	5230	9.290	9.802	90.55	12.995	16.79
11ac-VHT40	MCS0	54	5270	4.905	5.732	90.55	8.780	9.79
11ac-VHT40	MCS0	62	5310	5.311	6.055	90.55	9.140	9.79
11ac-VHT40	MCS0	102	5510	4.994	4.085	90.55	8.005	8.79
11ac-VHT40	MCS0	110	5550	5.006	4.555	90.55	8.228	8.79
11ac-VHT40	MCS0	134	5670	5.297	4.396	90.55	8.311	8.79
11ac-VHT40	MCS0	142	5710	5.270	3.333	90.55	7.850	8.79

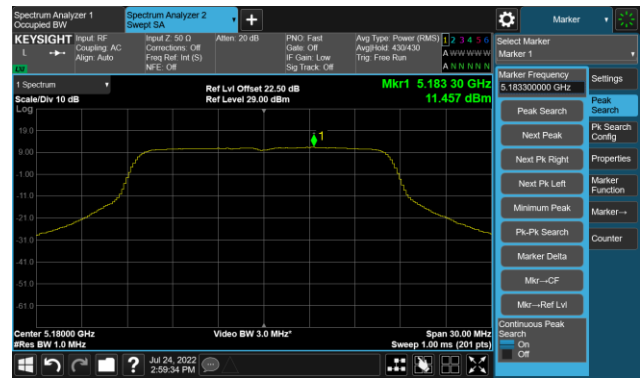
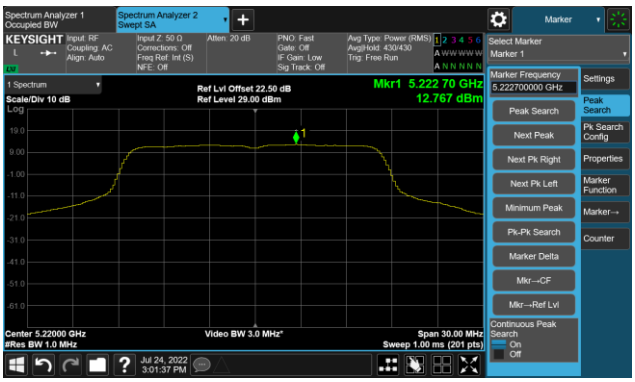
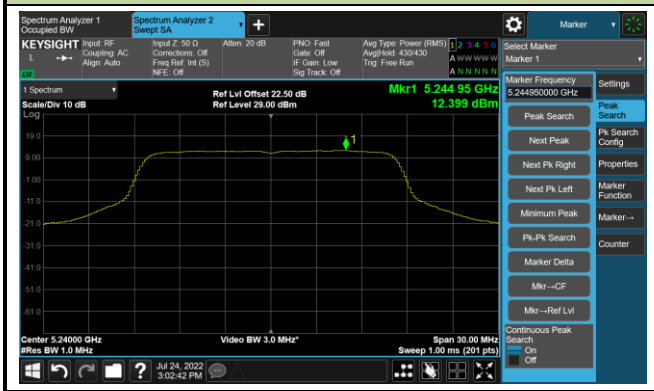
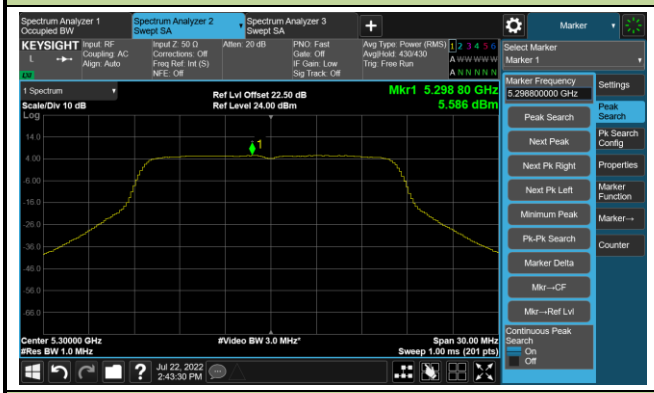
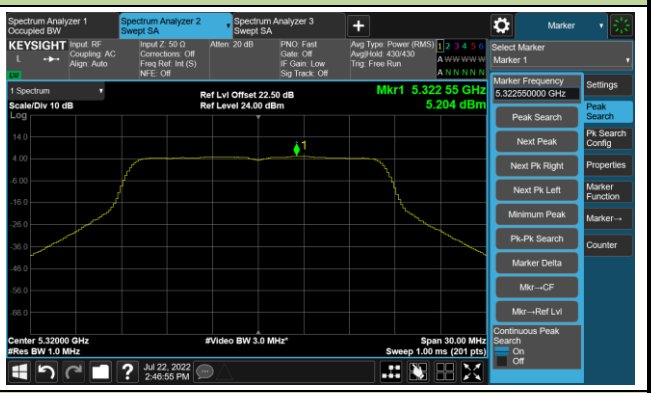
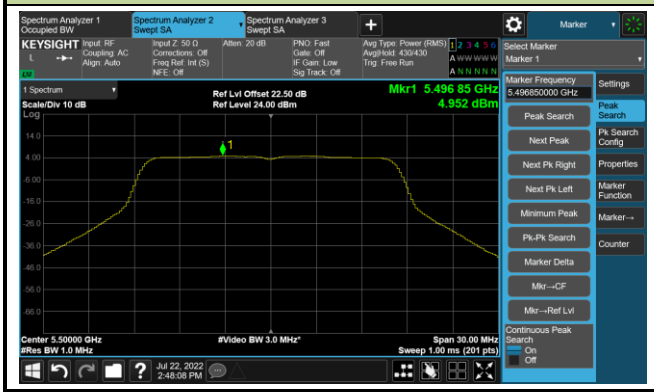
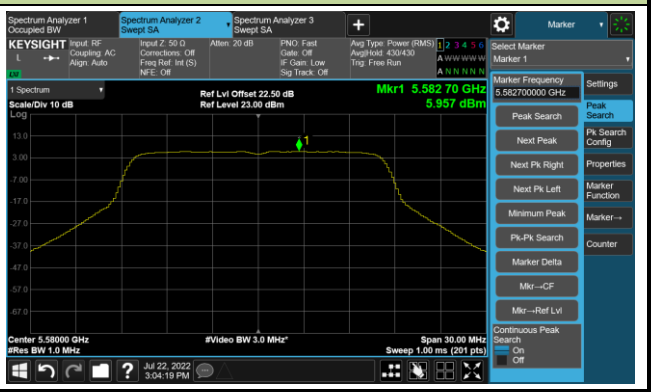
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AV PSD (dBm/MHz)		Duty Cycle (%)	Total PSD (dBm/ MHz)	Limit (dBm/MHz)
				Ant 0	Ant 1			
For NII-1/-2a/-2c Bands								
11ac-VHT80	MCS0	42	5210	2.089	2.584	91.31	5.749	16.79
11ac-VHT80	MCS0	58	5290	1.595	2.421	91.31	5.433	9.79
11ac-VHT80	MCS0	106	5530	2.961	2.173	91.31	5.990	8.79
11ac-VHT80	MCS0	122	5610	2.703	1.552	91.31	5.571	8.79
11ac-VHT80	MCS0	138	5690	3.239	1.521	91.31	5.870	8.79
11ax-HE20	MCS0	36	5180	10.260	11.013	93.50	13.955	16.79
11ax-HE20	MCS0	44	5220	11.630	12.422	93.50	15.346	16.79
11ax-HE20	MCS0	48	5240	12.325	12.926	93.50	15.938	16.79
11ax-HE20	MCS0	52	5260	5.844	6.625	93.50	9.554	9.79
11ax-HE20	MCS0	60	5300	5.505	6.263	93.50	9.203	9.79
11ax-HE20	MCS0	64	5320	5.244	5.718	93.50	8.790	9.79
11ax-HE20	MCS0	100	5500	5.167	4.197	93.50	8.011	8.79
11ax-HE20	MCS0	116	5580	5.318	3.679	93.50	7.878	8.79
11ax-HE20	MCS0	140	5700	6.157	4.230	93.50	8.602	8.79
11ax-HE20	MCS0	144	5720	5.650	4.437	93.50	8.388	8.79
11ax-HE40	MCS0	38	5190	6.167	6.948	94.43	9.834	16.79
11ax-HE40	MCS0	46	5230	8.916	9.567	94.43	12.513	16.79
11ax-HE40	MCS0	54	5270	4.648	5.291	94.43	8.241	9.79
11ax-HE40	MCS0	62	5310	5.109	5.681	94.43	8.664	9.79
11ax-HE40	MCS0	102	5510	5.648	4.491	94.43	8.367	8.79
11ax-HE40	MCS0	110	5550	5.691	4.291	94.43	8.306	8.79
11ax-HE40	MCS0	134	5670	5.022	4.113	94.43	7.850	8.79
11ax-HE40	MCS0	142	5710	5.716	4.879	94.43	8.577	8.79
11ax-HE80	MCS0	42	5210	2.562	3.294	94.67	6.192	16.79
11ax-HE80	MCS0	58	5290	2.046	2.749	94.67	5.660	9.79
11ax-HE80	MCS0	106	5530	2.849	2.092	94.67	5.735	8.79
11ax-HE80	MCS0	122	5610	3.578	2.287	94.67	6.228	8.79
11ax-HE80	MCS0	138	5690	3.171	1.362	94.67	5.608	8.79

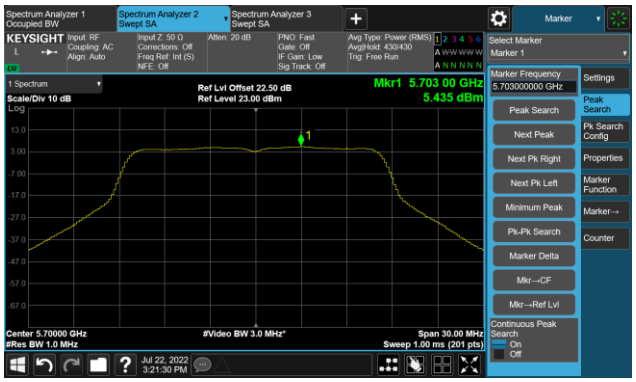
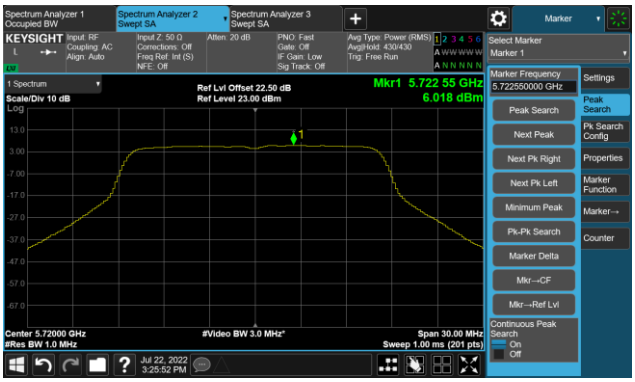
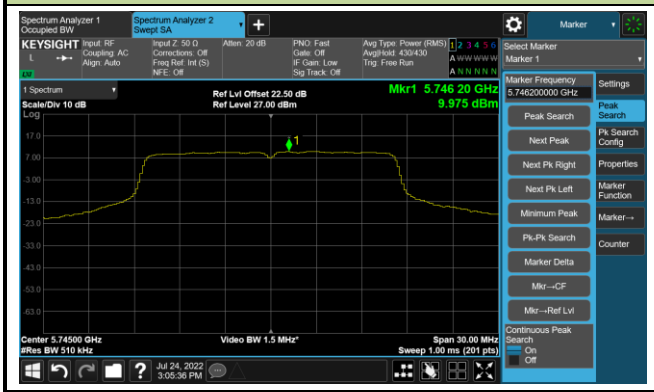
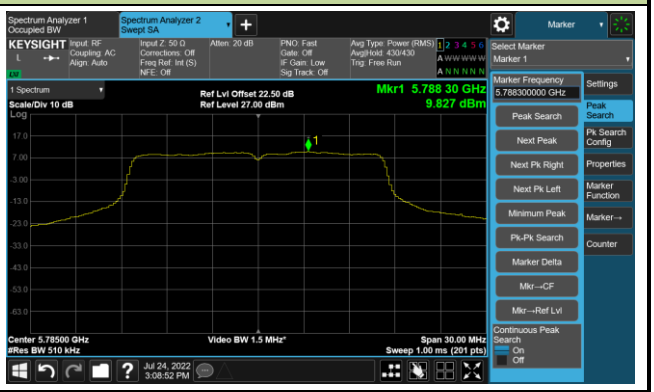
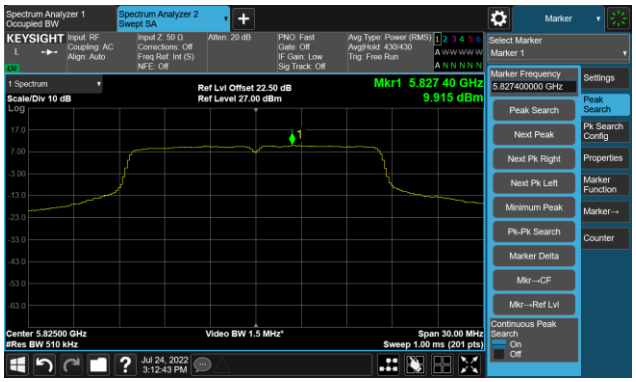
Note: The EUT duty cycle < 98%, the total PSD (dBm/MHz) =10*log {$10^{(\text{Ant 0 AVGPSD}/10)}$ + $10^{(\text{Ant 1 AVGPSD}/10)}$} +10*log (1/Duty cycle).

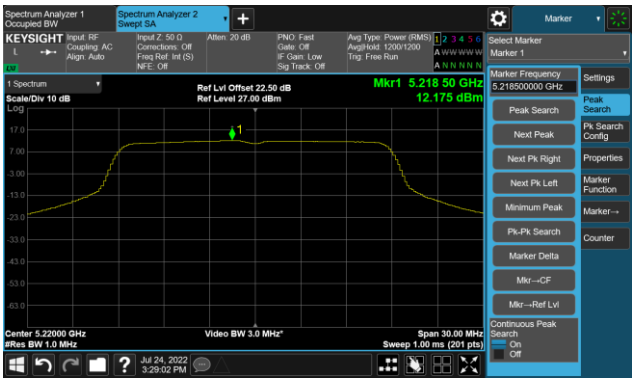
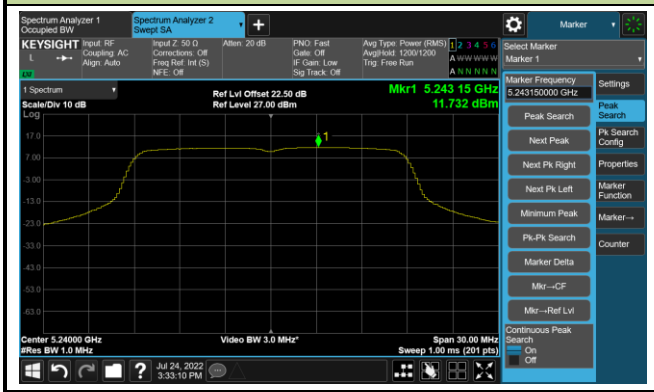
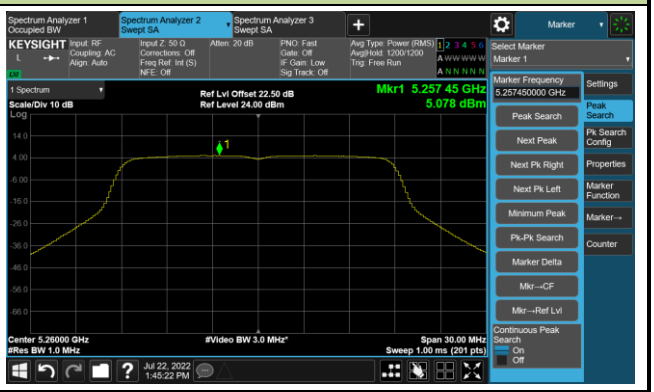
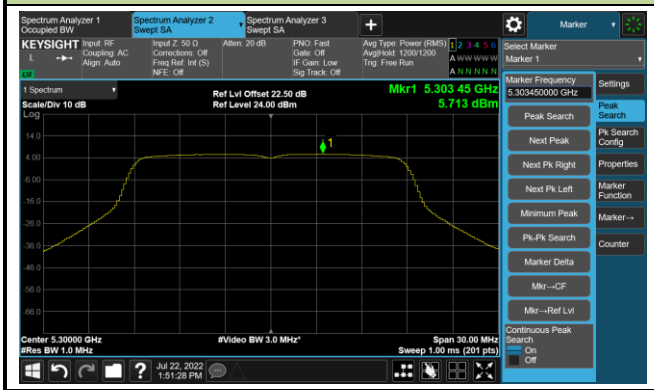
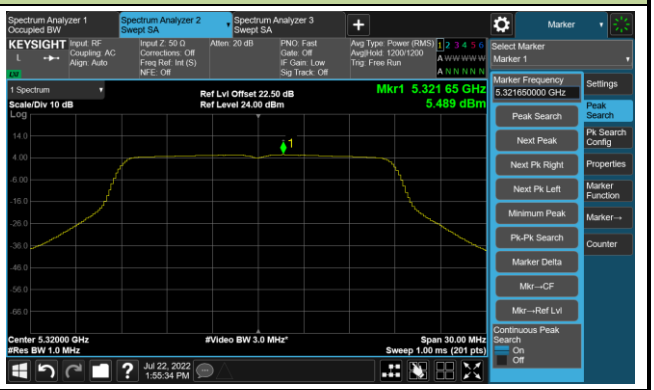
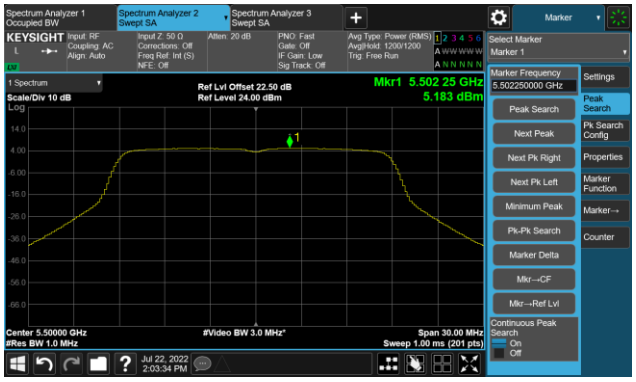
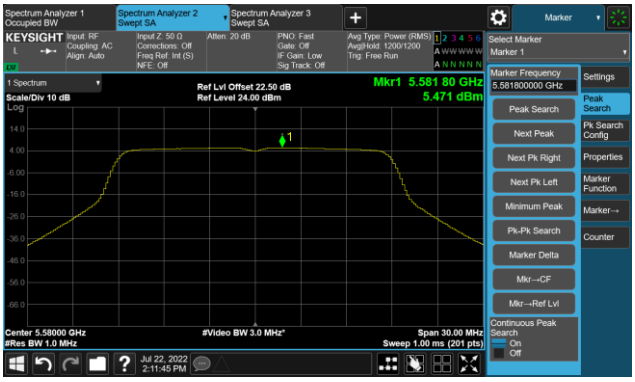
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVPSD (dBm/510kHz)		Duty Cycle (%)	Total PSD (dBm/510kHz)	Limit (dBm/500kHz)
				Ant 0	Ant 1			
For NII-3 Band								
11a	6Mbps	149	5745	9.975	7.797	93.92	12.30	≤ 27.99
11a	6Mbps	157	5785	9.827	7.702	93.92	12.18	≤ 27.99
11a	6Mbps	165	5825	9.915	8.683	93.92	12.63	≤ 27.99
11ac-VHT20	MCS0	149	5745	9.233	6.859	92.32	11.56	≤ 27.99
11ac-VHT20	MCS0	157	5785	9.883	7.801	92.32	12.32	≤ 27.99
11ac-VHT20	MCS0	165	5825	9.272	7.828	92.32	11.97	≤ 27.99
11ac-VHT40	MCS0	151	5755	6.341	3.875	90.55	8.72	≤ 27.99
11ac-VHT40	MCS0	159	5795	6.533	4.409	90.55	9.04	≤ 27.99
11ac-VHT80	MCS0	155	5775	2.514	-0.017	91.31	4.84	≤ 27.99
11ax-HE20	MCS0	149	5745	8.931	6.621	93.50	11.23	≤ 27.99
11ax-HE20	MCS0	157	5785	9.203	7.306	93.50	11.66	≤ 27.99
11ax-HE20	MCS0	165	5825	8.981	7.527	93.50	11.62	≤ 27.99
11ax-HE40	MCS0	151	5755	5.937	3.524	94.43	8.16	≤ 27.99
11ax-HE40	MCS0	159	5795	6.244	4.198	94.43	8.60	≤ 27.99
11ax-HE80	MCS0	155	5775	2.459	-0.248	94.67	4.56	≤ 27.99

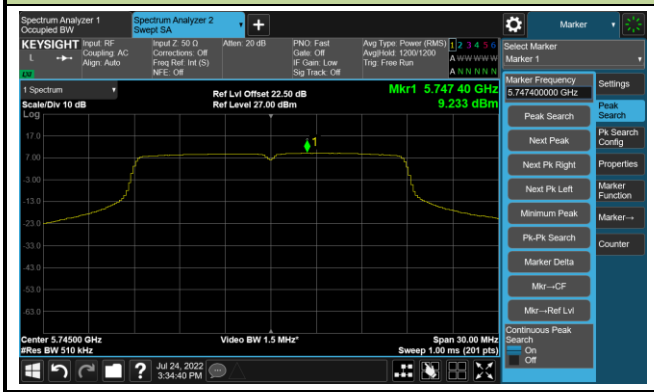
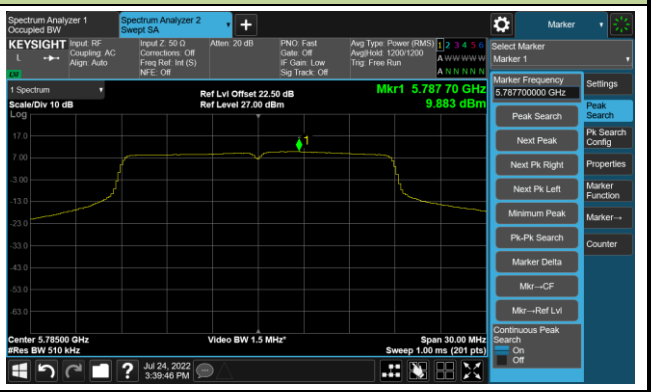
Note 1: The EUT duty cycle < 98%, the total PSD (dBm/510kHz) =10*log {$10^{(\text{Ant 0 AVGPSD}/10)}$ + $10^{(\text{Ant 1 AVGPSD}/10)}$} +10*log (1/Duty cycle).

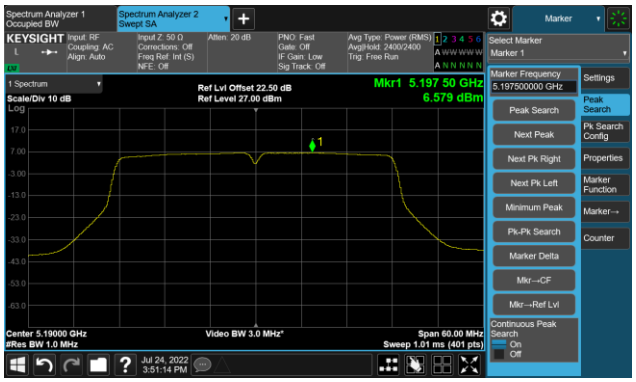
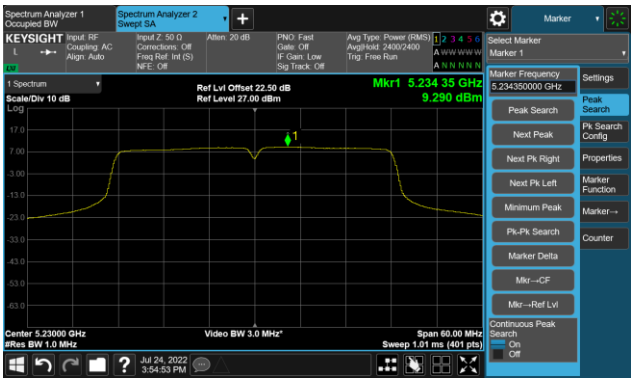
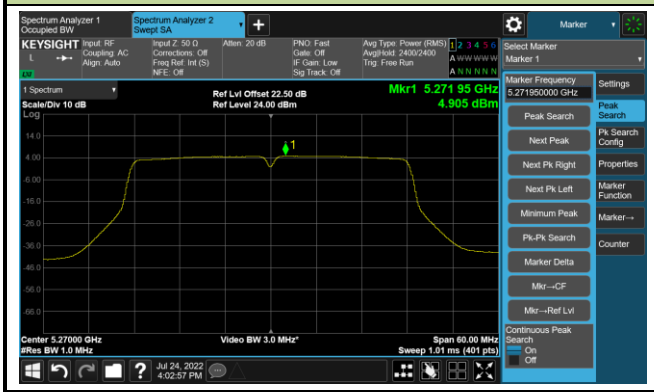
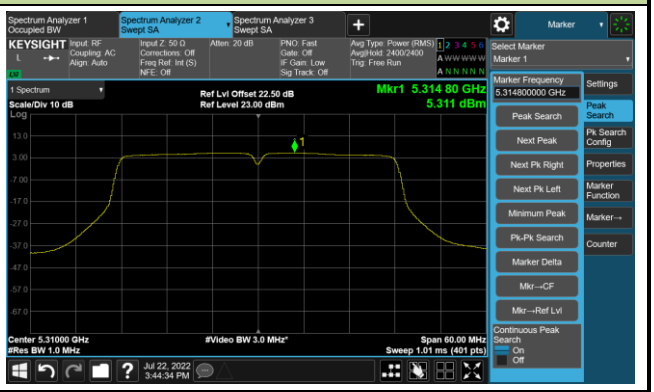
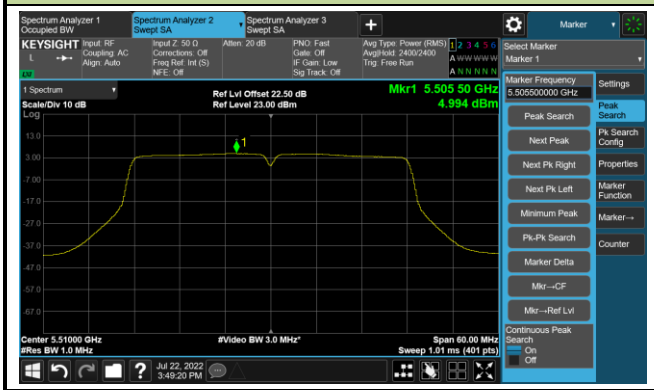
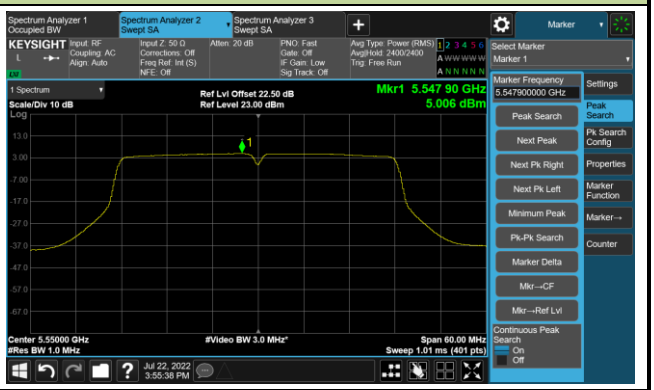
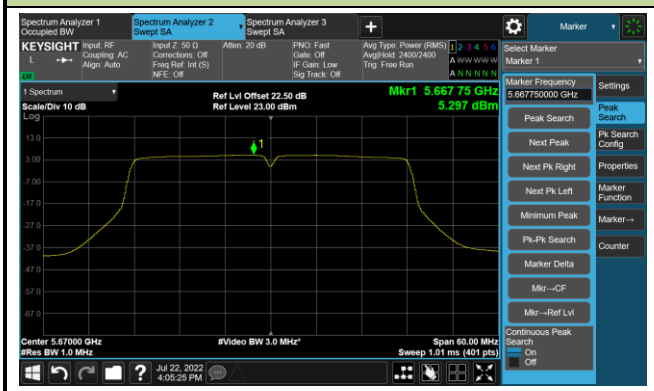
Note 2: PSD Limit (dBm/500KHz) = 30 - (8.01 - 6) = 27.99 (dBm/500KHz).

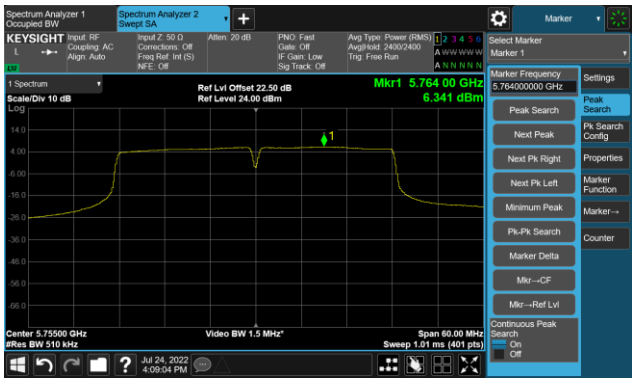
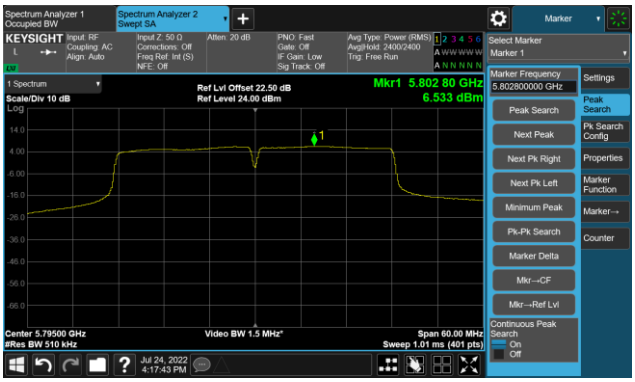
802.11a Power Spectral Density - Ant 0	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 52 (5260MHz)
	
Channel 60 (5300MHz)	Channel 64 (5320MHz)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

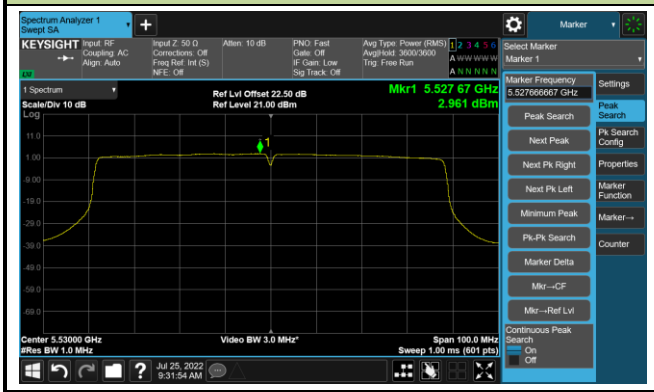
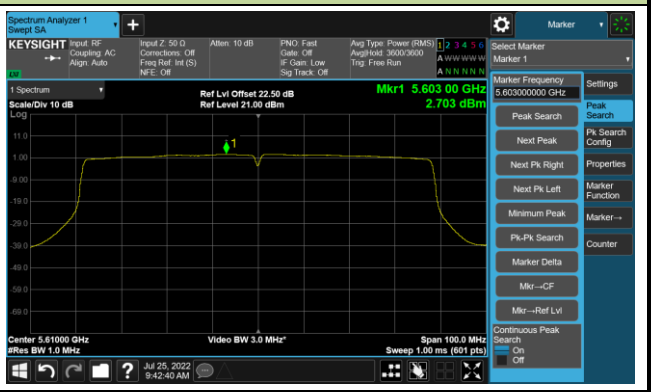
802.11a Power Spectral Density - Ant 0	
Channel 140 (5700MHz)	Channel 144(5720MHz)
	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
Channel 165 (5825MHz)	
	

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)
	
Channel 100 (5500MHz)	Channel 116 (5580MHz)
	

802.11ac-VHT20 Power Spectral Density - Ant 0	
Channel 140 (5700MHz)	Channel 144(5720MHz)
	
Channel 149 (5745MHz)	Channel 157 (5785MHz)
	
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)
	
Channel 134 (5670MHz)	Channel 142(5710MHz)
	

802.11ac-VHT40 Power Spectral Density - Ant 0	
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)