

2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

Ant1

Band	Channel	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)-worst					
1	Low	5180	11.01	24	Pass
	High	5240	10.78	24	Pass
2	Low	5260	11.08	24	Pass
	High	5320	9.66	24	Pass
3	Low	5500	10.66	24	Pass
	High	5700	12.45	24	Pass
4	Low	5745	11.98	30	Pass
	High	5825	11.39	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	10.96	24	Pass
	High	5230	10.65	24	Pass
2	Low	5270	10.57	24	Pass
	High	5310	9.59	24	Pass
3	Low	5510	10.29	24	Pass
	High	5670	11.91	24	Pass
4	Low	5755	11.69	30	Pass
	High	5795	11.24	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	10.35	24	Pass
2	Low	5290	10	24	Pass
3	Low	5530	10.58	24	Pass
	High	5610	11.36	24	Pass
4	Low	5775	11.21	30	Pass

Ant2

Band	Channel	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)-worst					
1	Low	5180	10.56	24	Pass
	High	5240	10.35	24	Pass
2	Low	5260	10.34	24	Pass
	High	5320	9.66	24	Pass
3	Low	5500	10.93	24	Pass
	High	5700	11.57	24	Pass
4	Low	5745	9.45	30	Pass
	High	5825	8.99	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	11.36	24	Pass
	High	5230	11.18	24	Pass
2	Low	5270	11.47	24	Pass
	High	5310	10.35	24	Pass
3	Low	5510	11.78	24	Pass
	High	5670	13.13	24	Pass
4	Low	5755	9.78	30	Pass
	High	5795	9.18	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	11.35	24	Pass
2	Low	5290	9.9	24	Pass

3	Low	5530	12.18	24	Pass
	High	5610	13.17	24	Pass
4	Low	5775	9.34	30	Pass

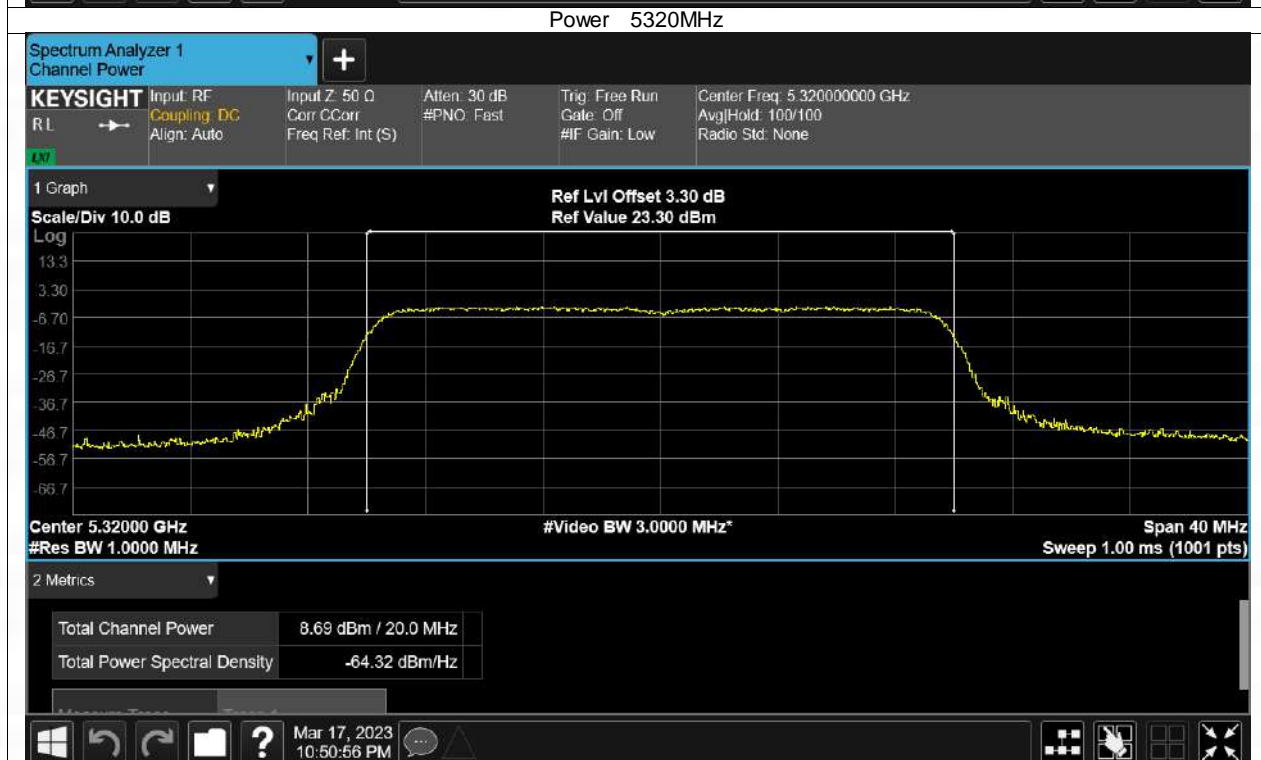
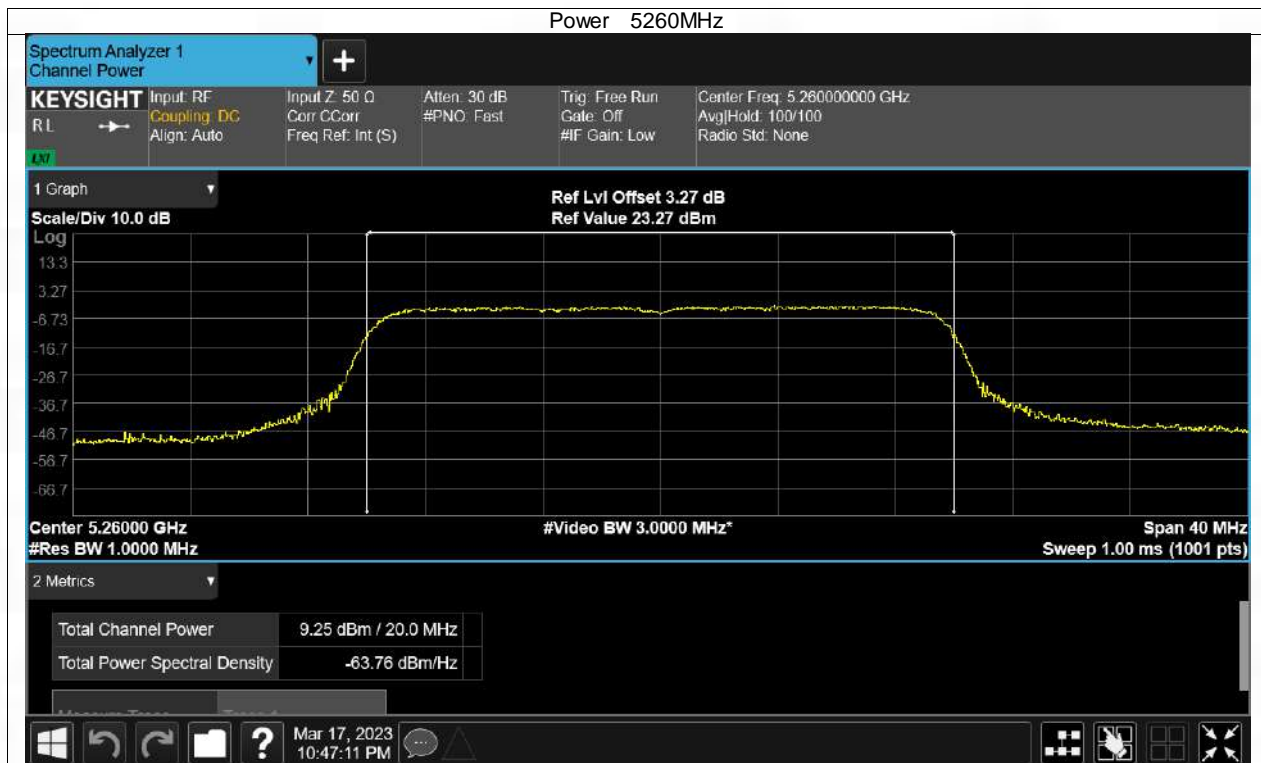
MIMO Mode

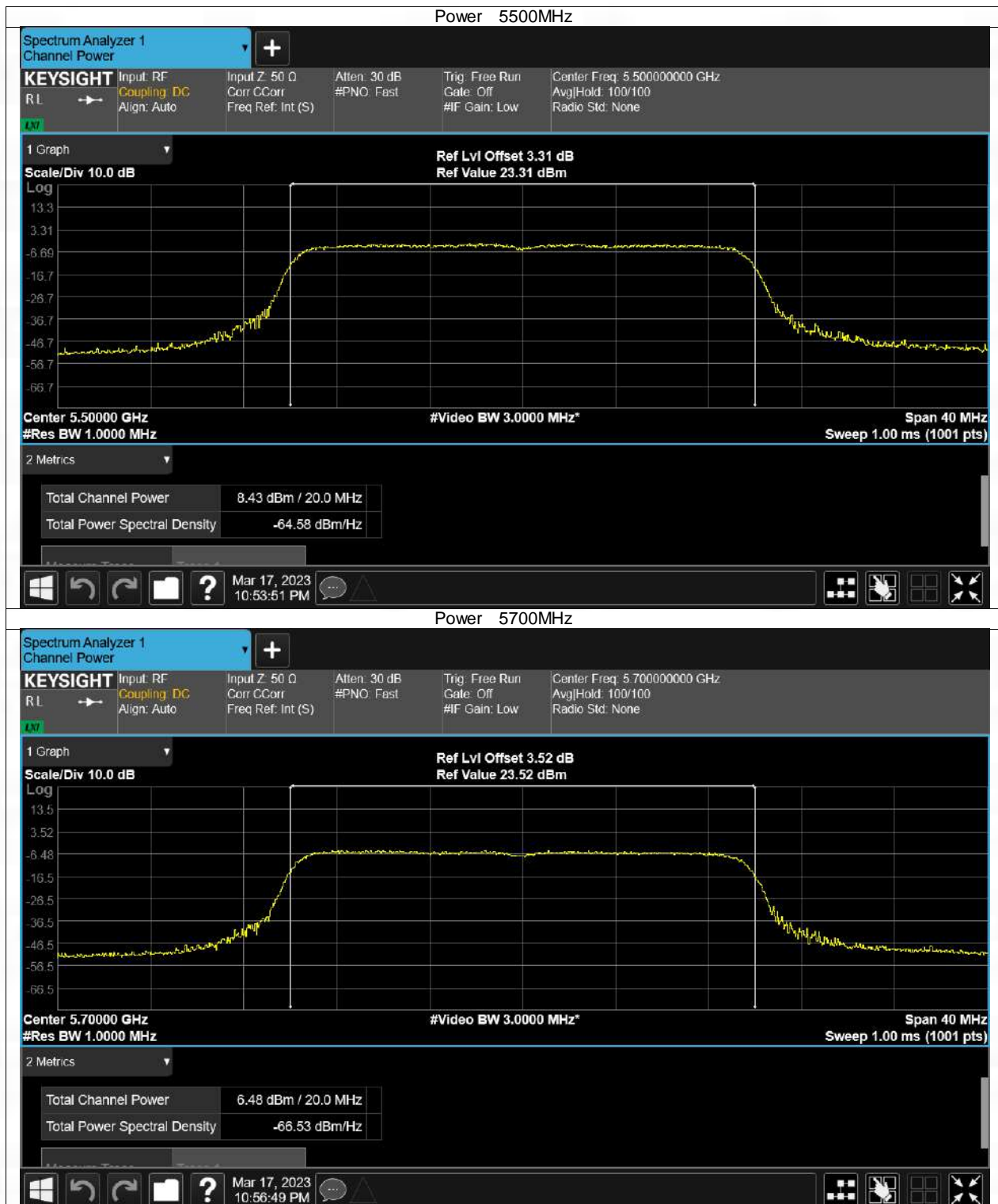
Band	Channel	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11 n/ac/ax)-worst					
1	Low	5180	13.80	24	Pass
	High	5240	13.58	24	Pass
2	Low	5260	13.74	24	Pass
	High	5320	12.67	24	Pass
3	Low	5500	13.81	24	Pass
	High	5700	15.04	24	Pass
4	Low	5745	13.91	30	Pass
	High	5825	13.36	30	Pass
40MHz(IEEE 802.11 n/ac/ax)-worst					
1	Low	5190	14.17	24	Pass
	High	5230	13.93	24	Pass
2	Low	5270	14.05	24	Pass
	High	5310	13.00	24	Pass
3	Low	5510	14.11	24	Pass
	High	5670	15.57	24	Pass
4	Low	5755	13.85	30	Pass
	High	5795	13.34	30	Pass
80MHz(IEEE 802.11 ac/ax)-worst					
1	Low	5210	13.89	24	Pass
2	Low	5290	12.96	24	Pass
3	Low	5530	14.46	24	Pass
	High	5610	15.37	24	Pass
4	Low	5775	13.39	30	Pass

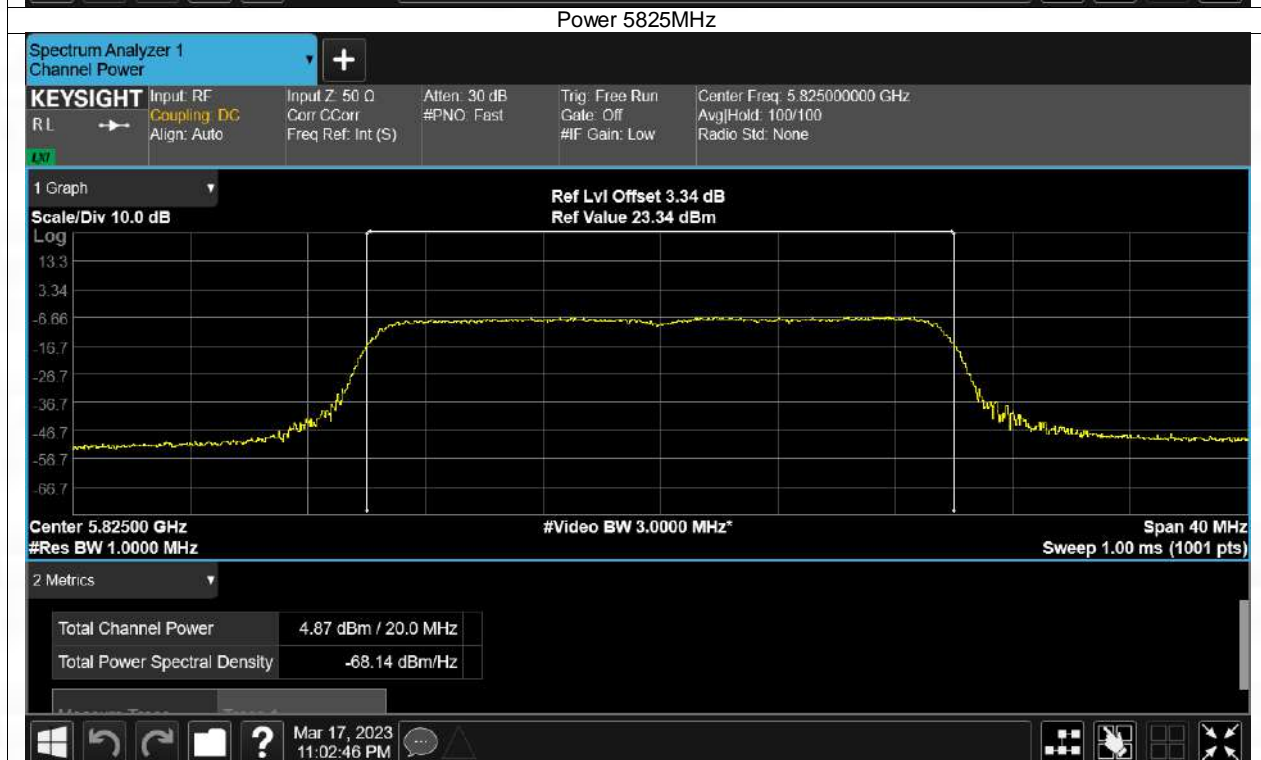
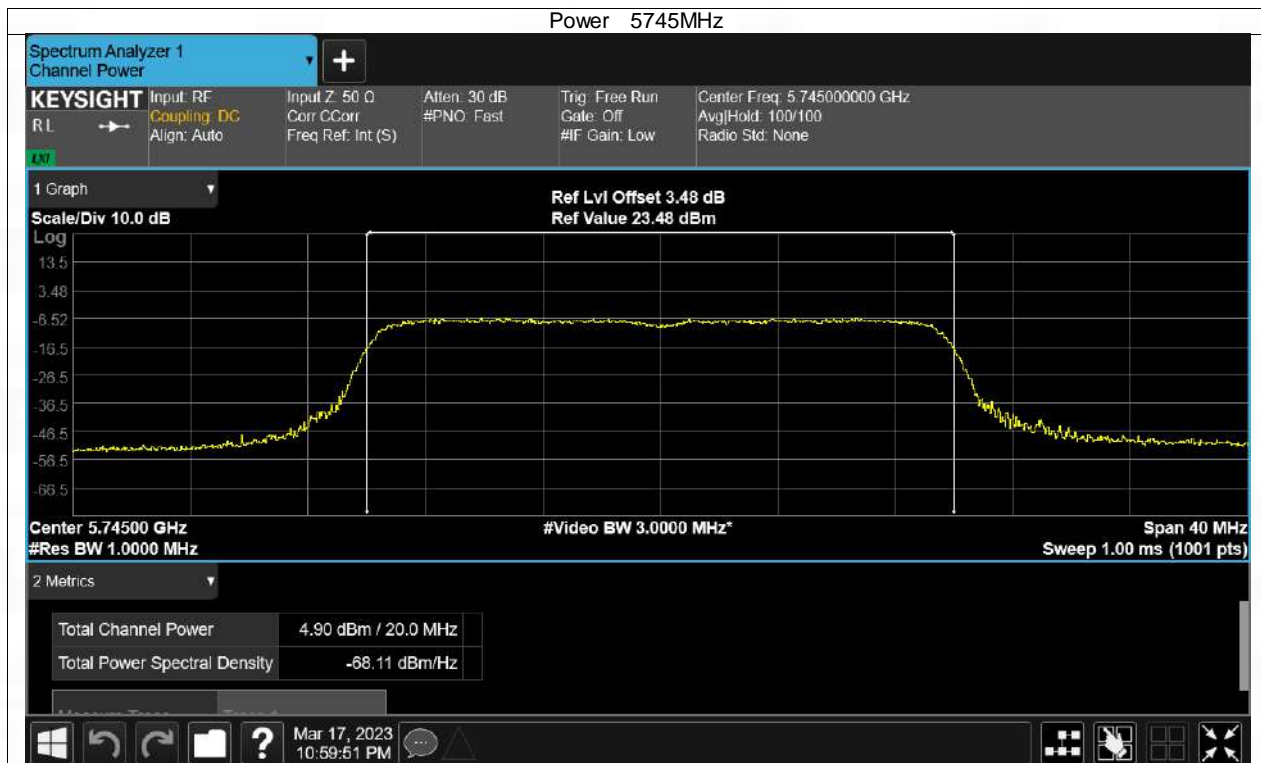
2.1.2 Test Graph

ANT1 20MMHz(IEEE 802.11a/n/ac/ax)-worst

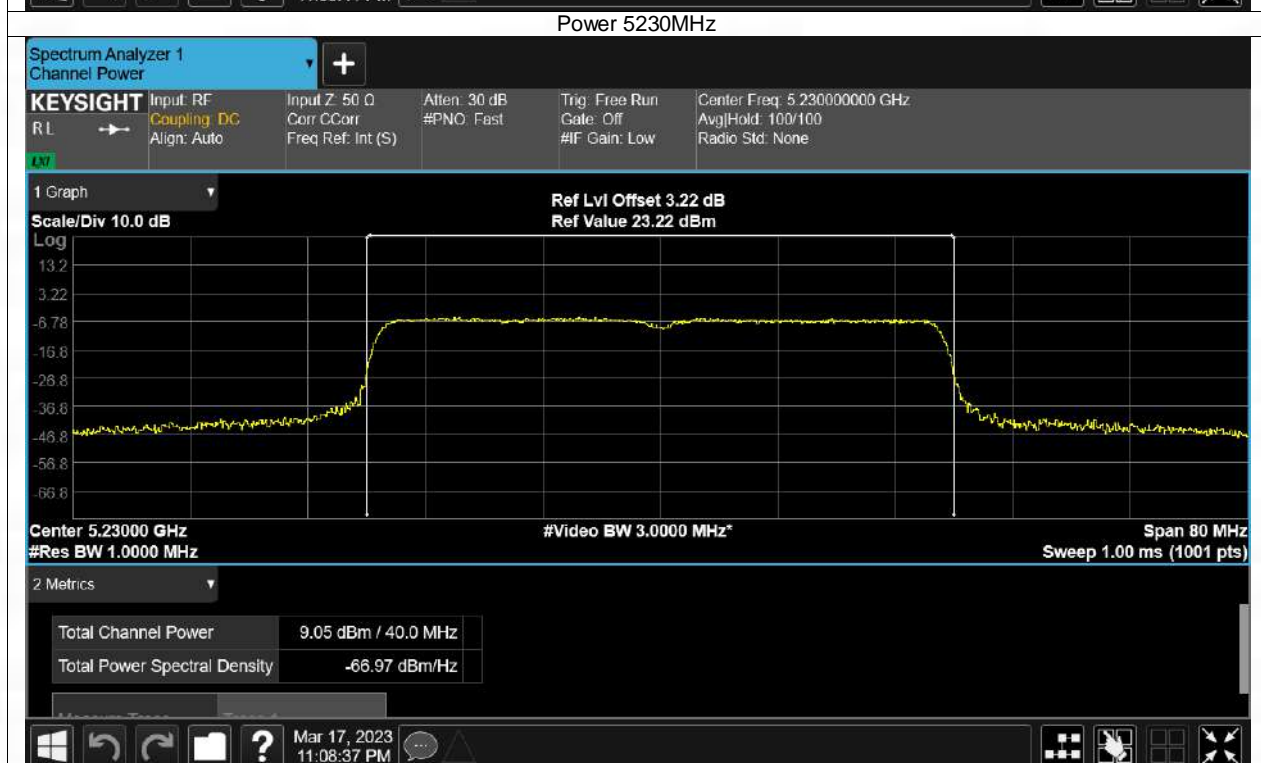
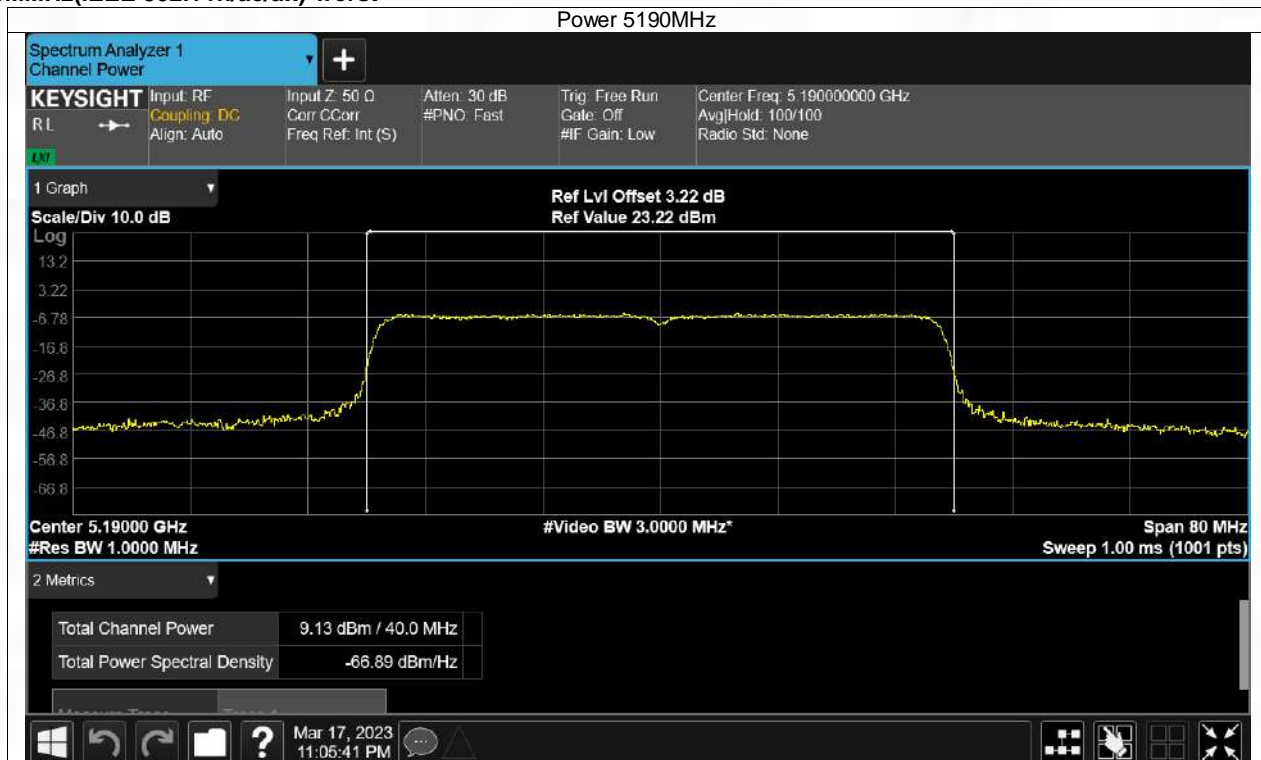


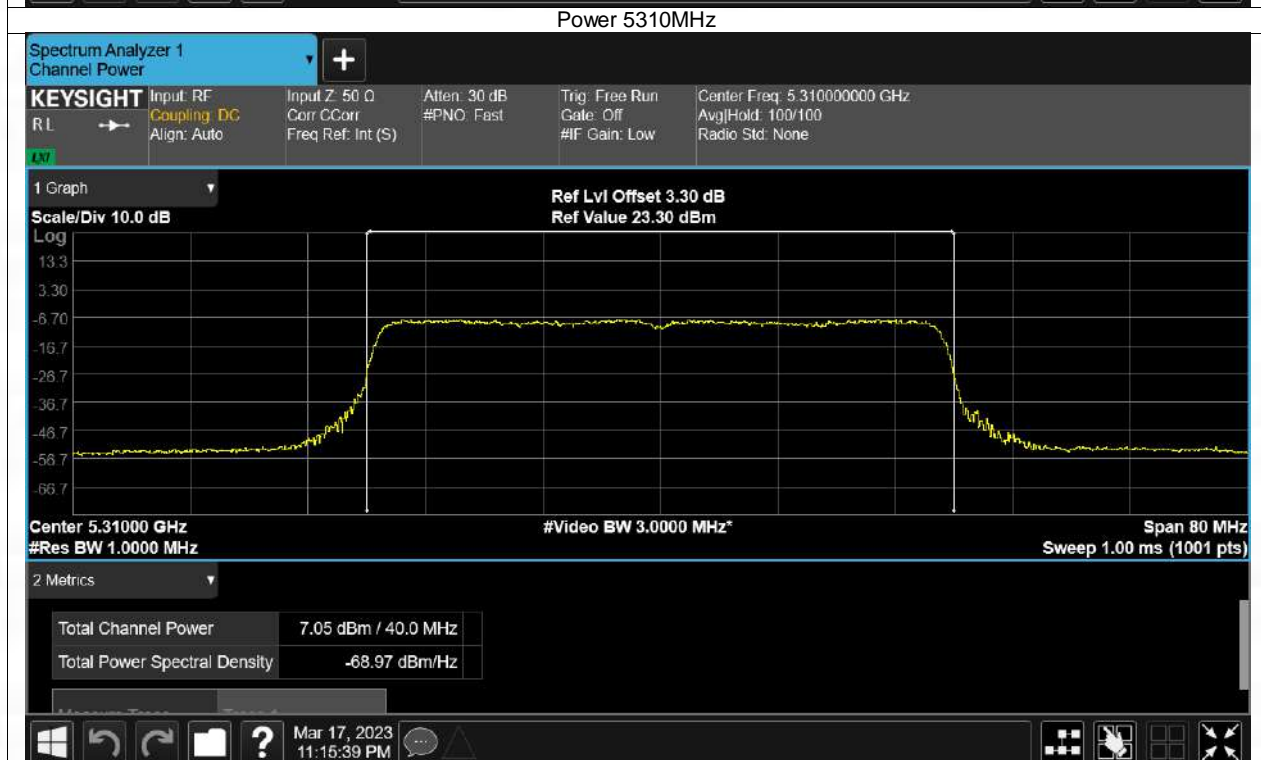
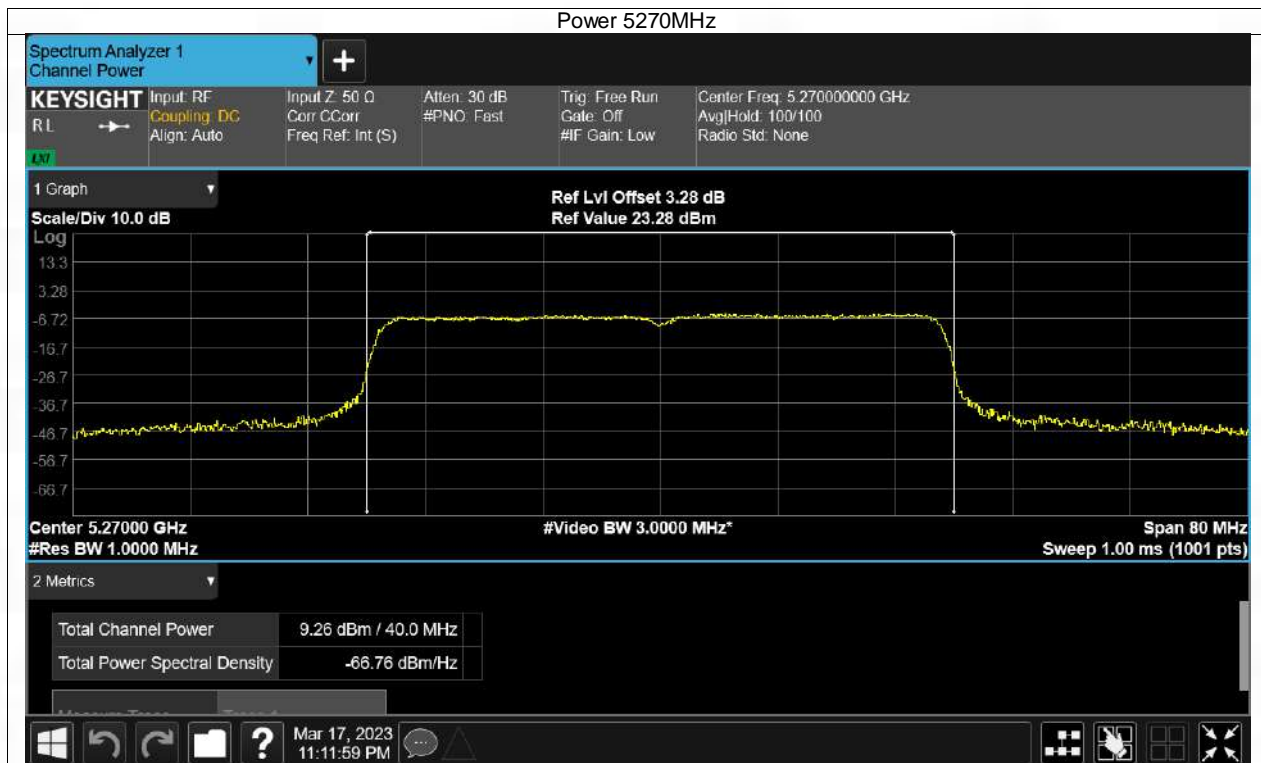


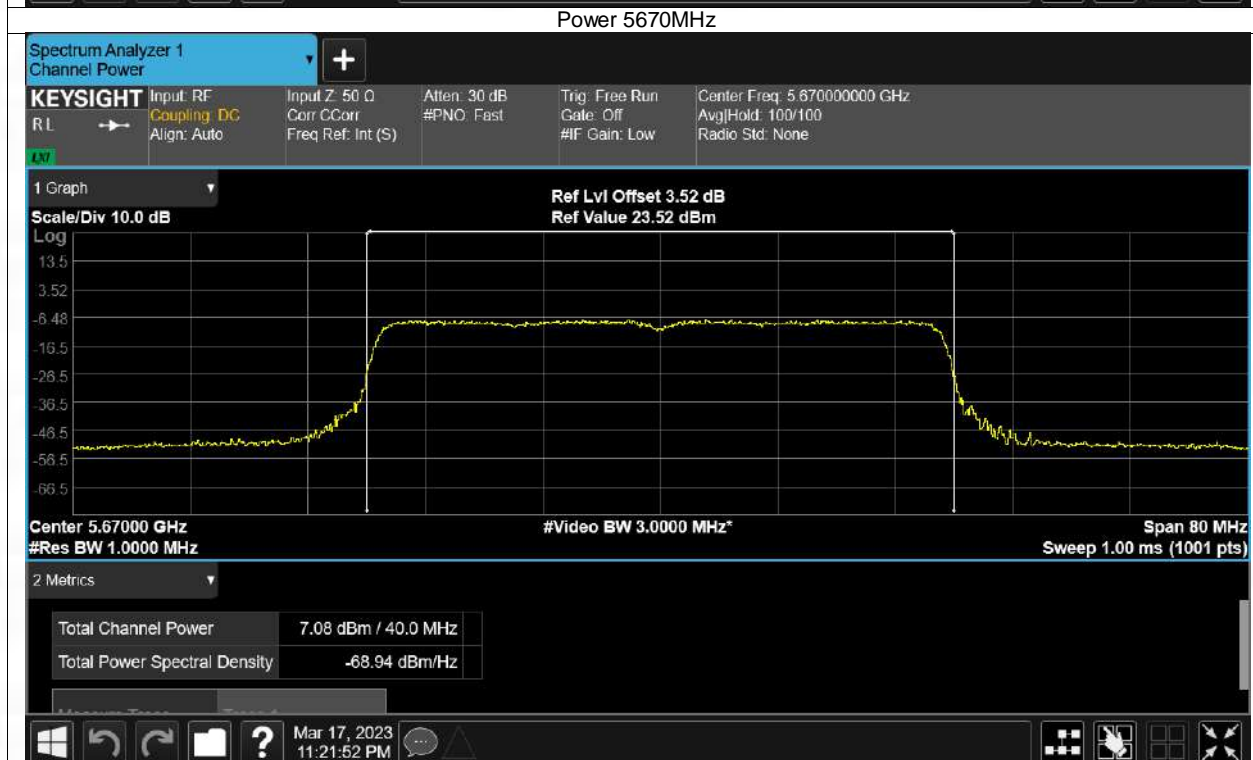




40MMHz(IEEE 802.11n/ac/ax)-worst

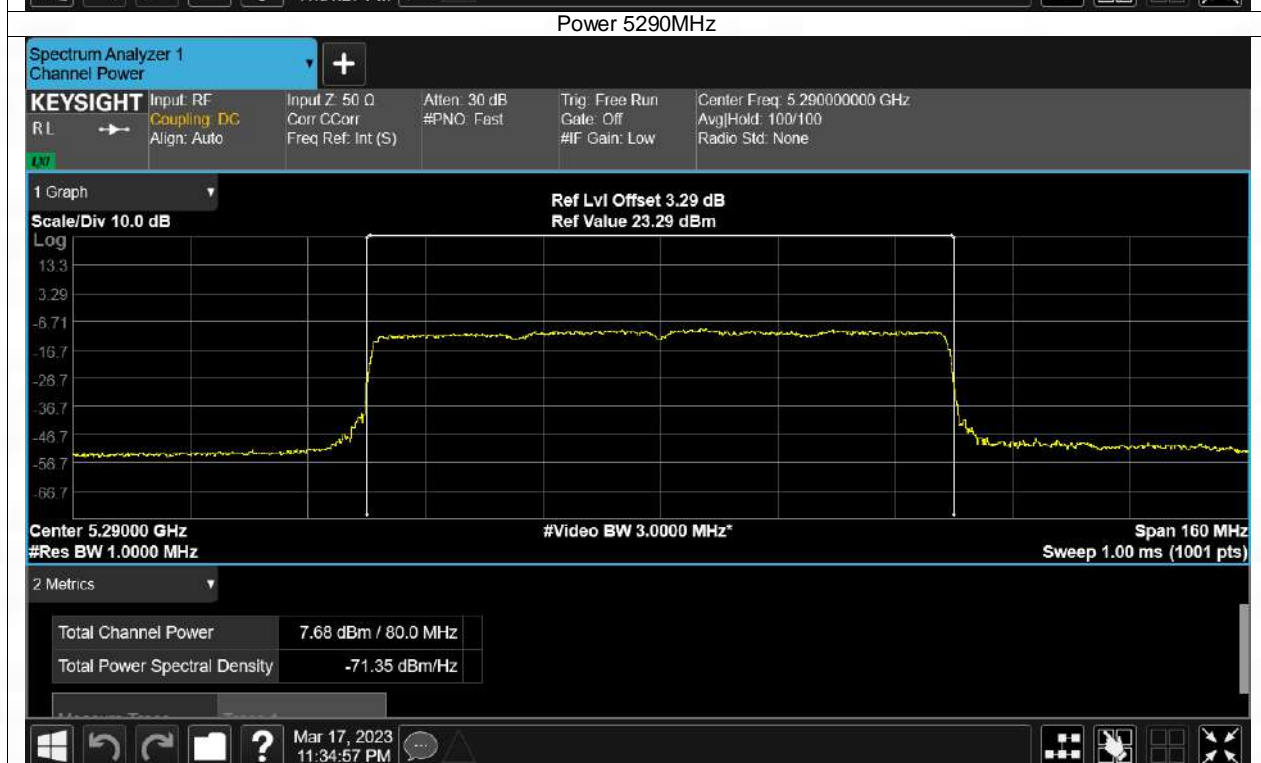


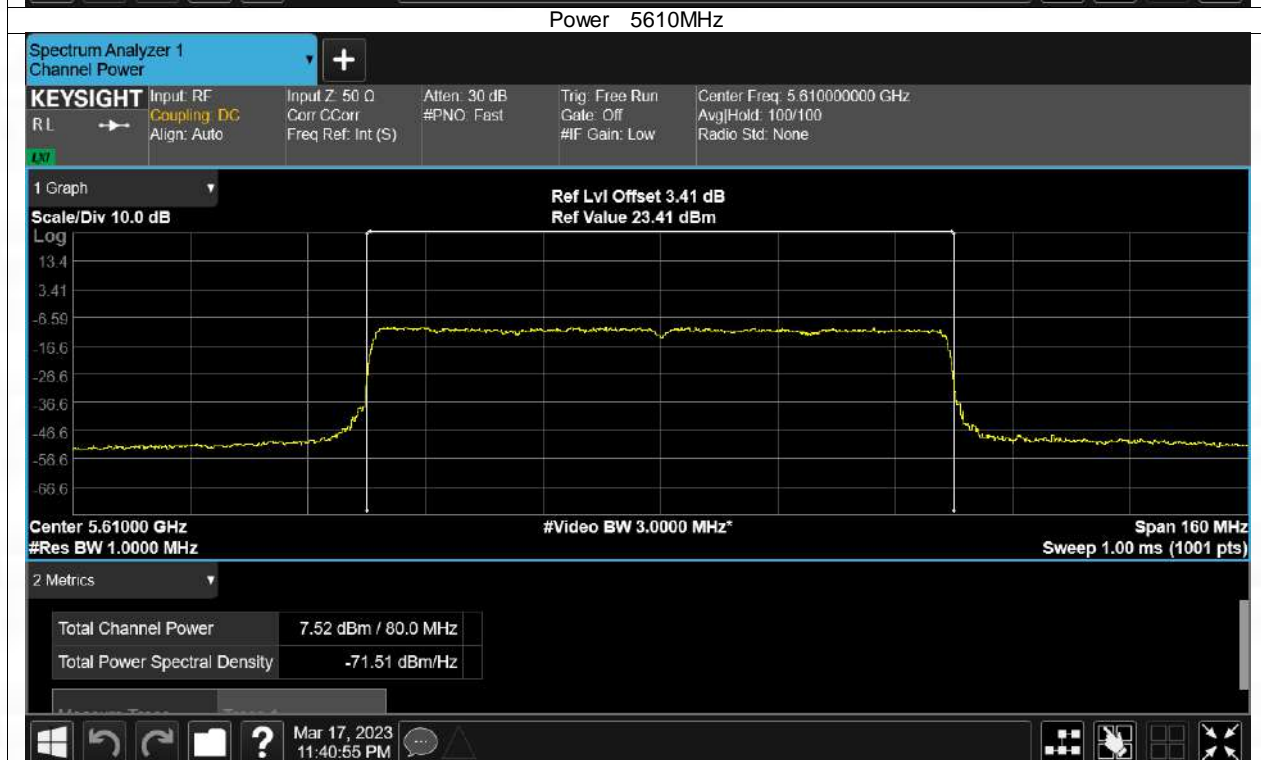
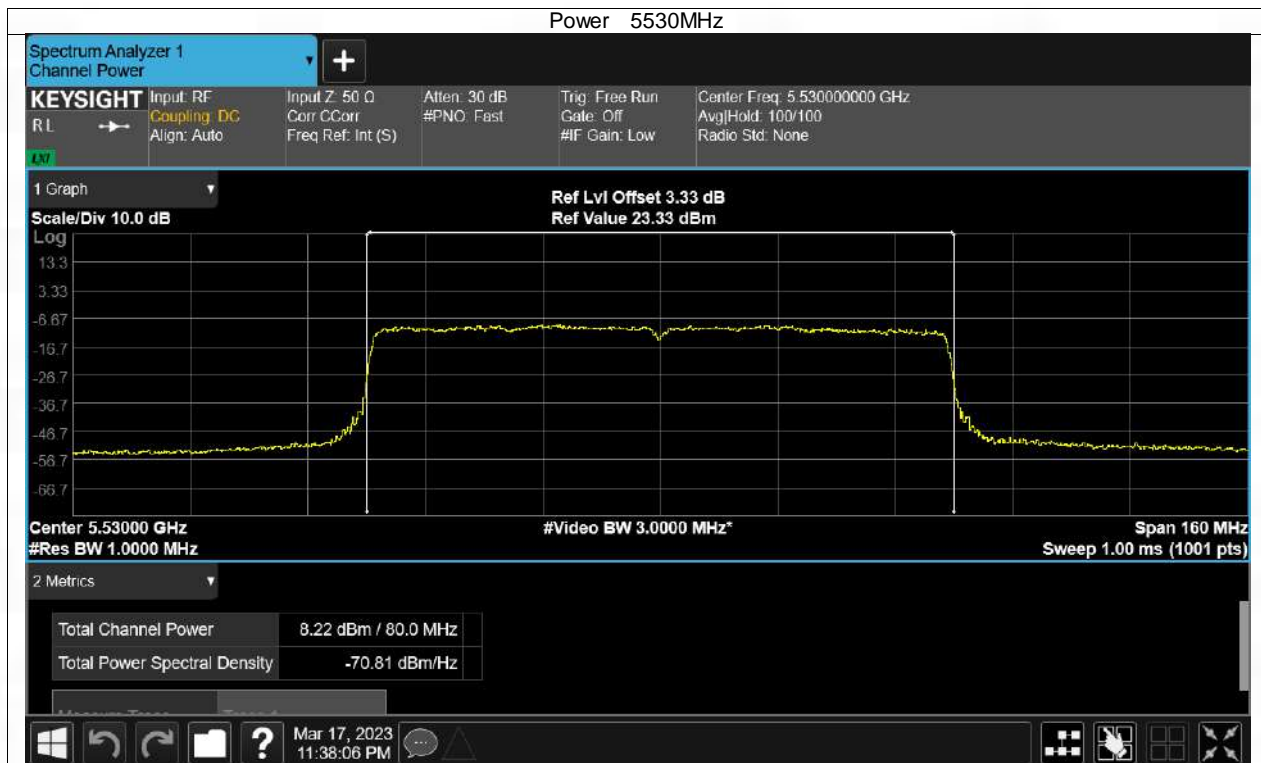


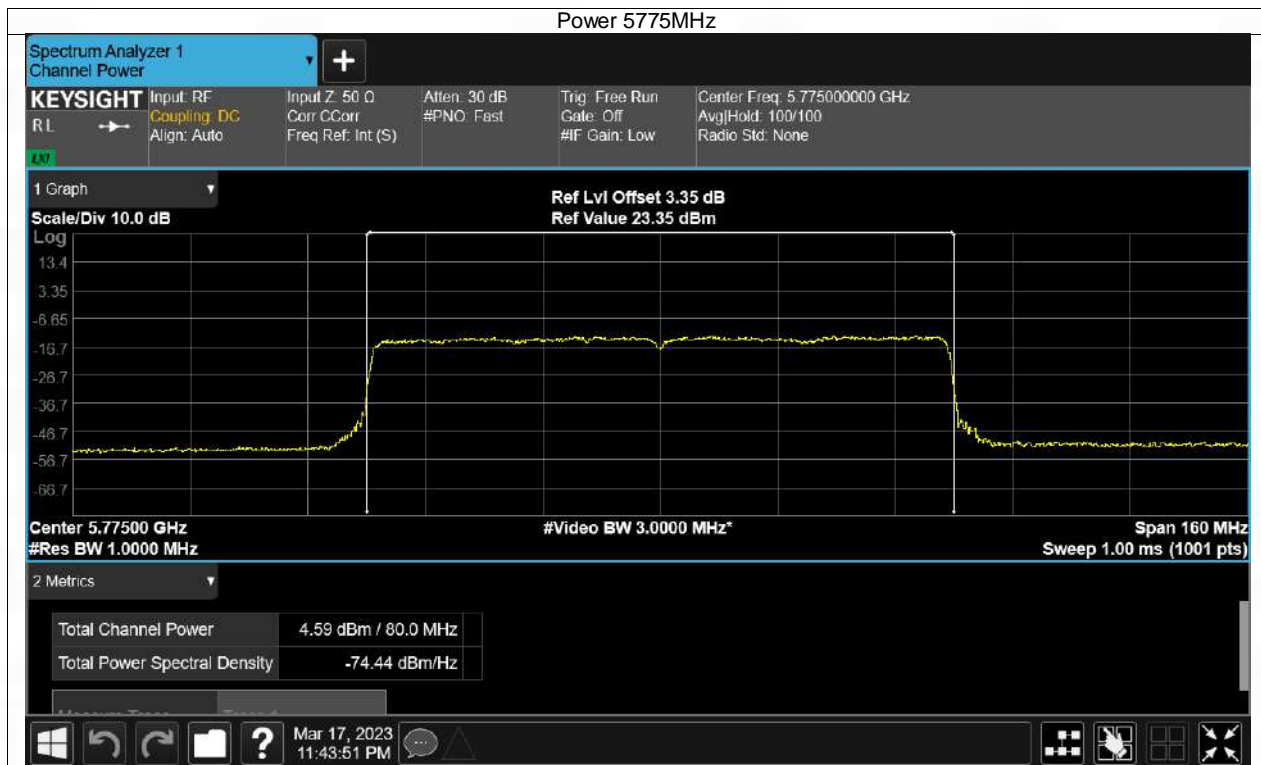




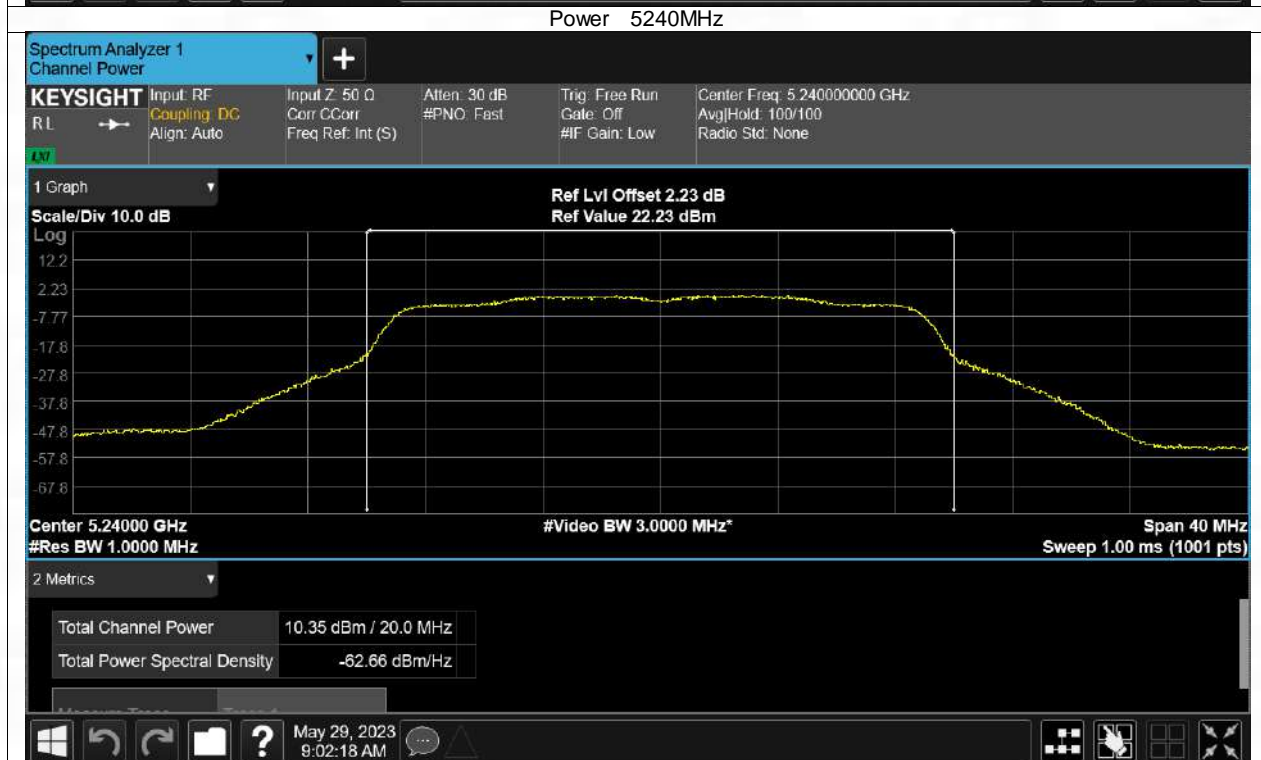
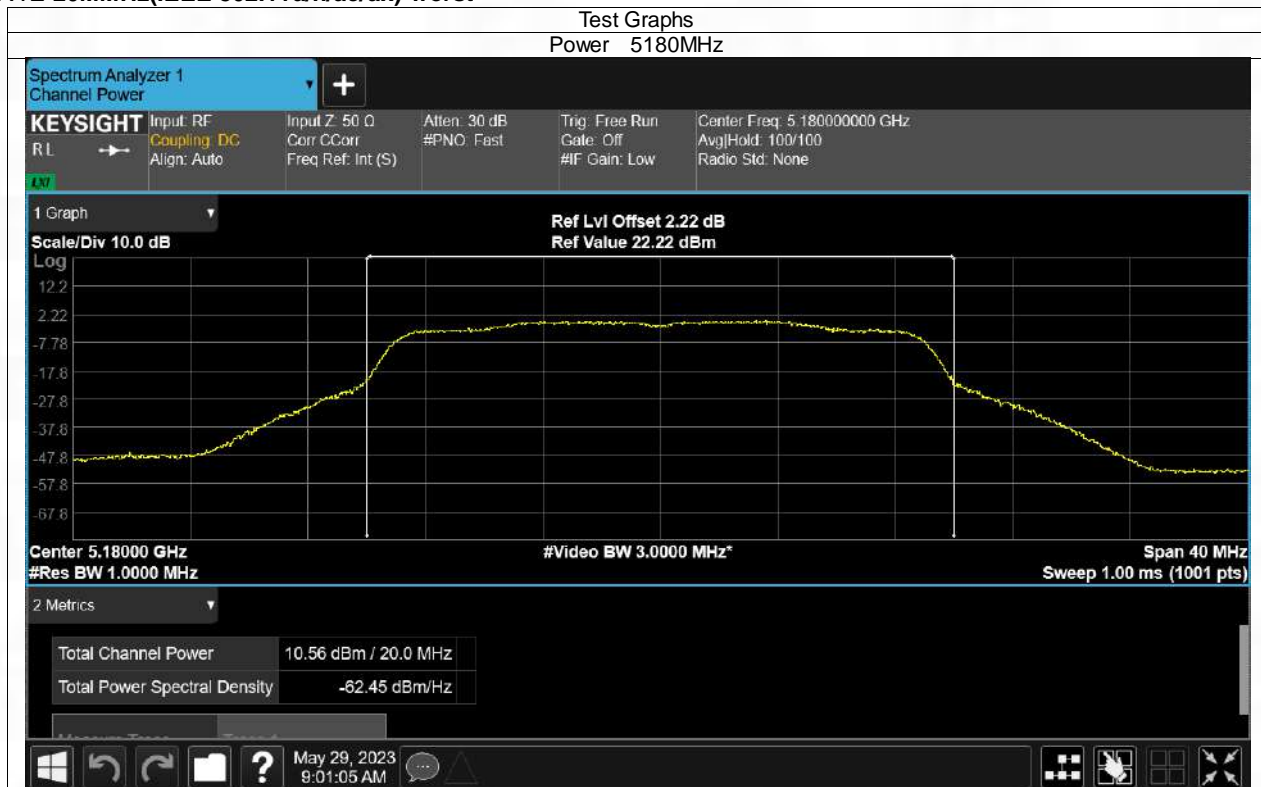
80MMHz(IEEE 802.11ac/ax)-worst

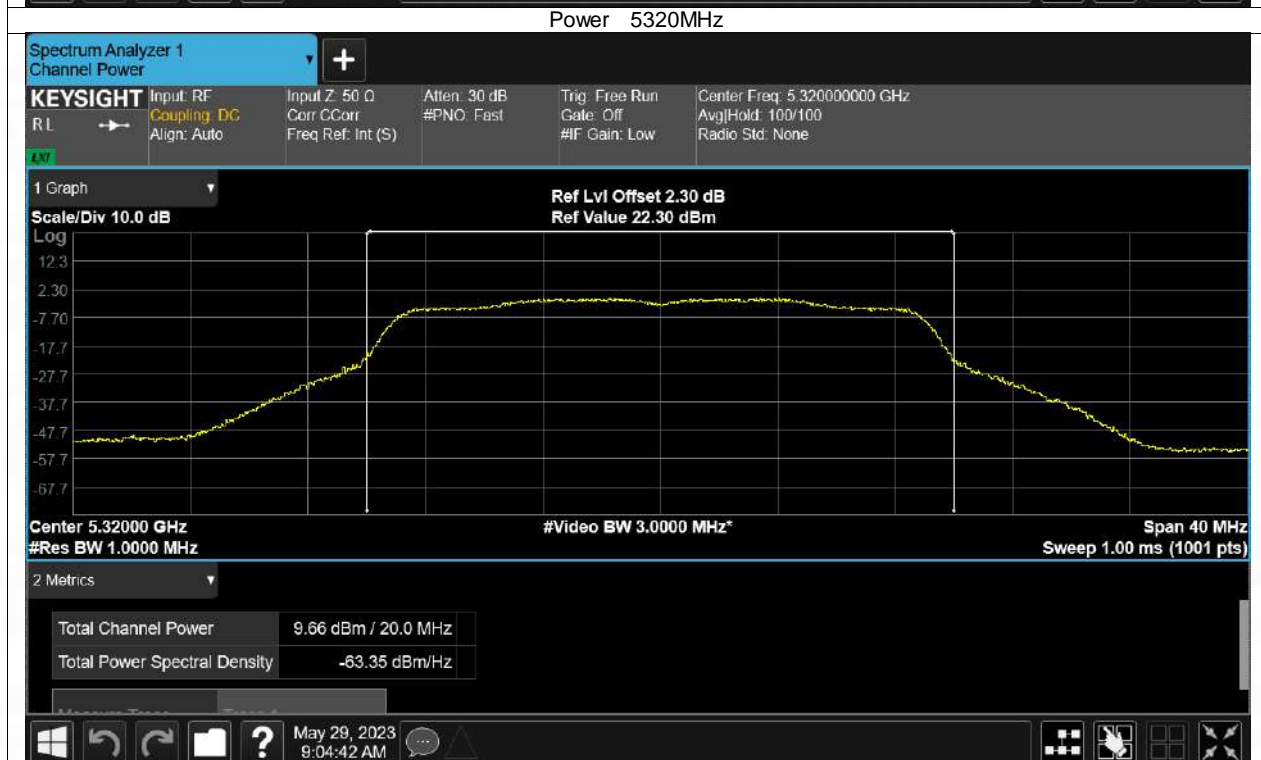
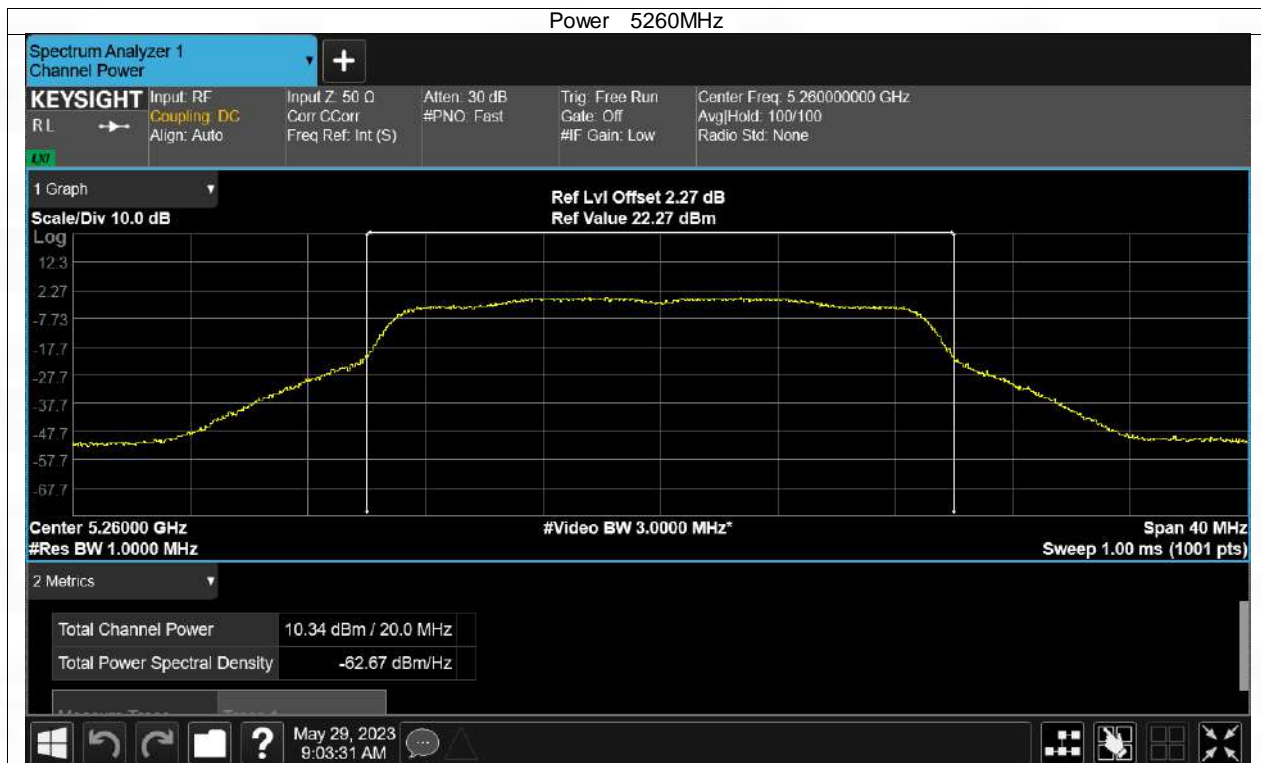


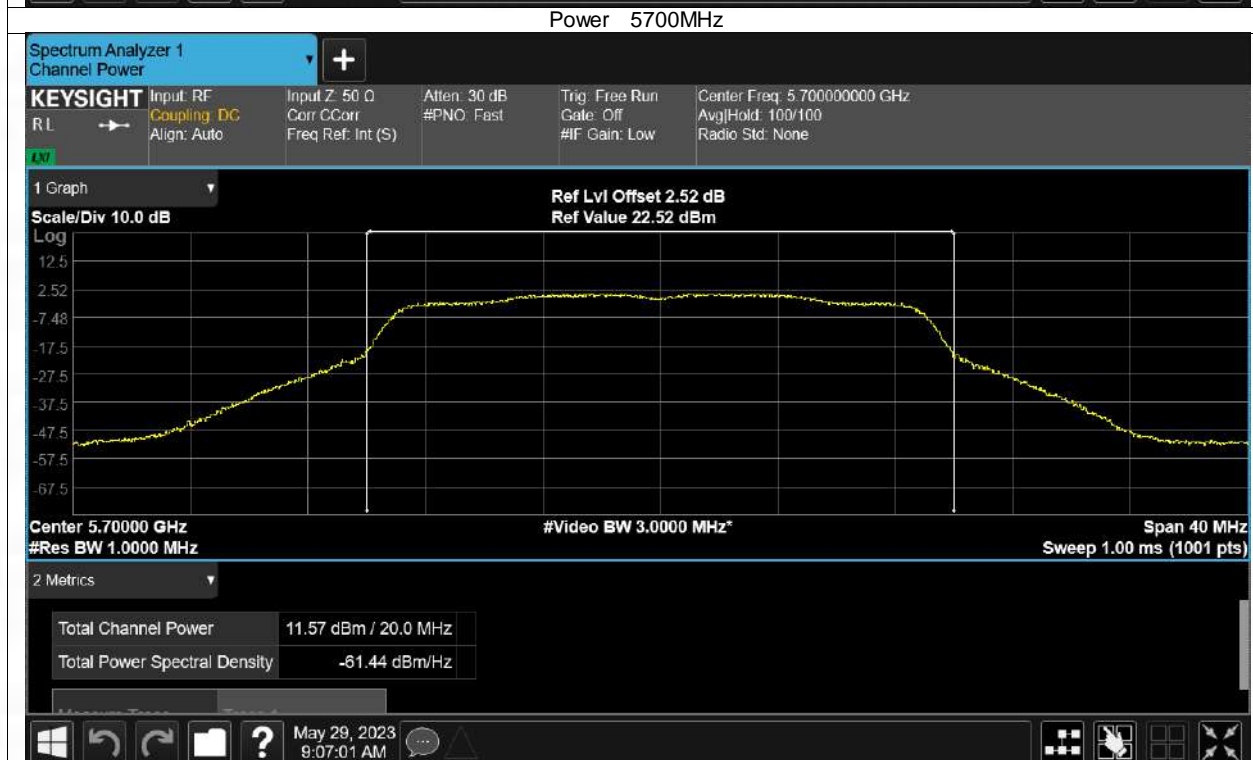
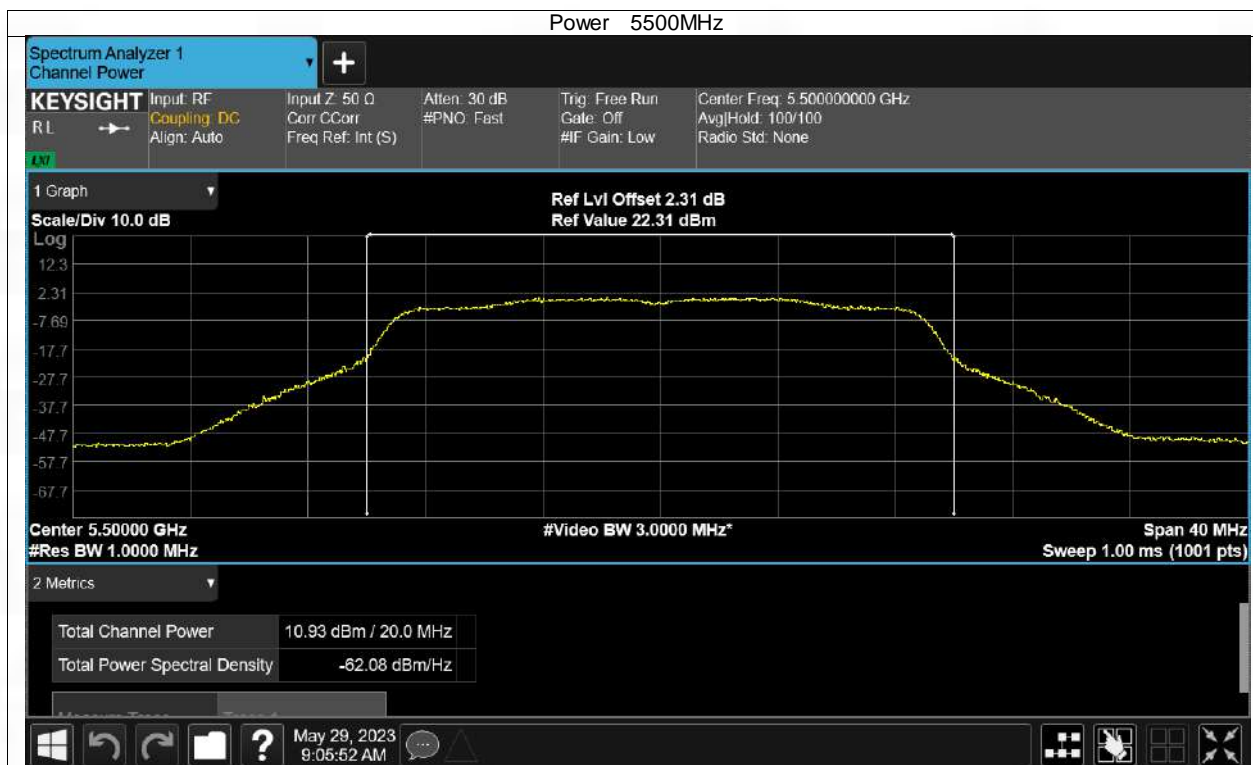


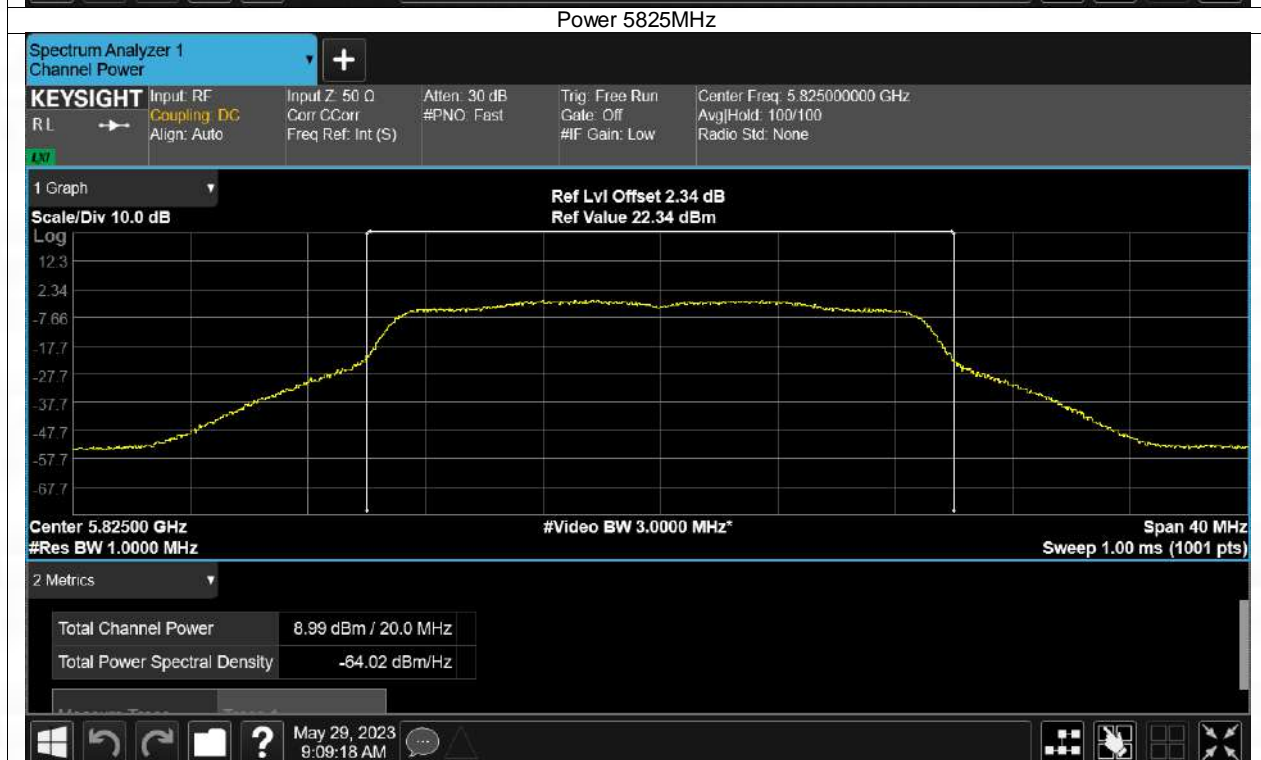
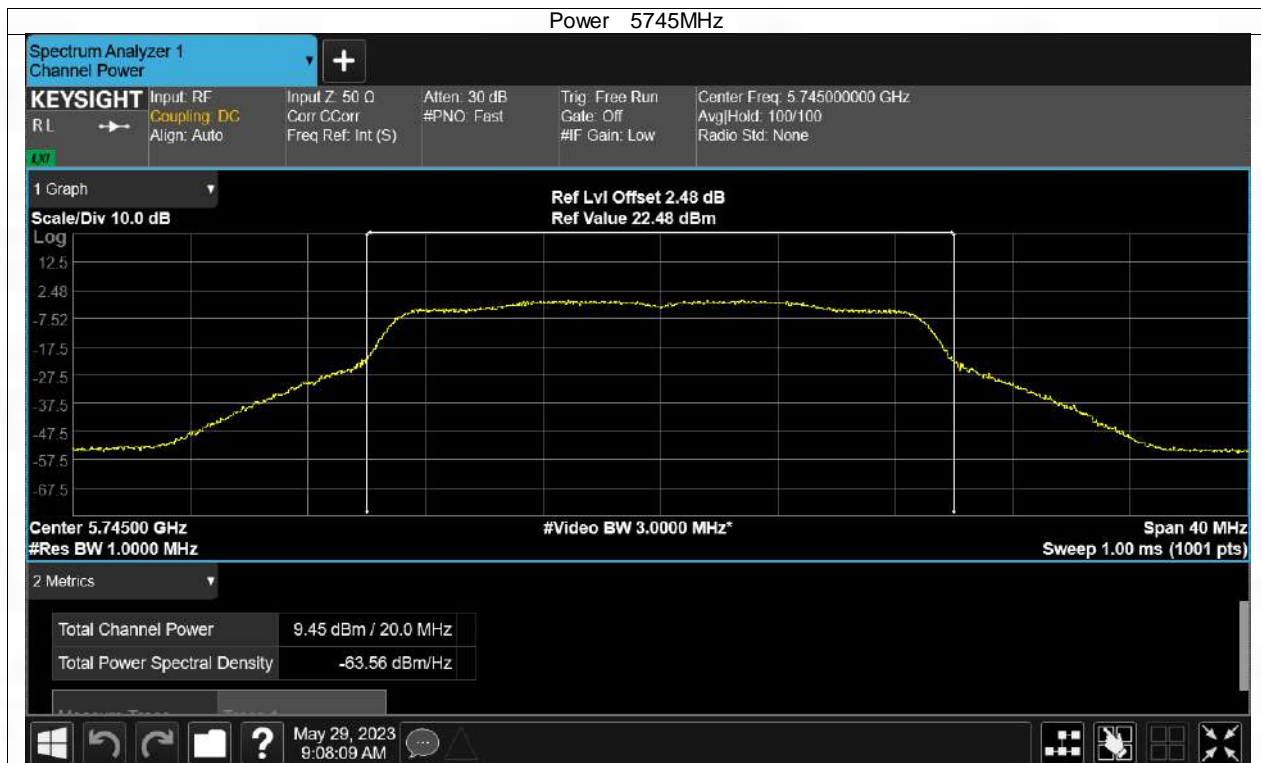


ANT2 20MMHz(IEEE 802.11 a/n/ac/ax)-worst

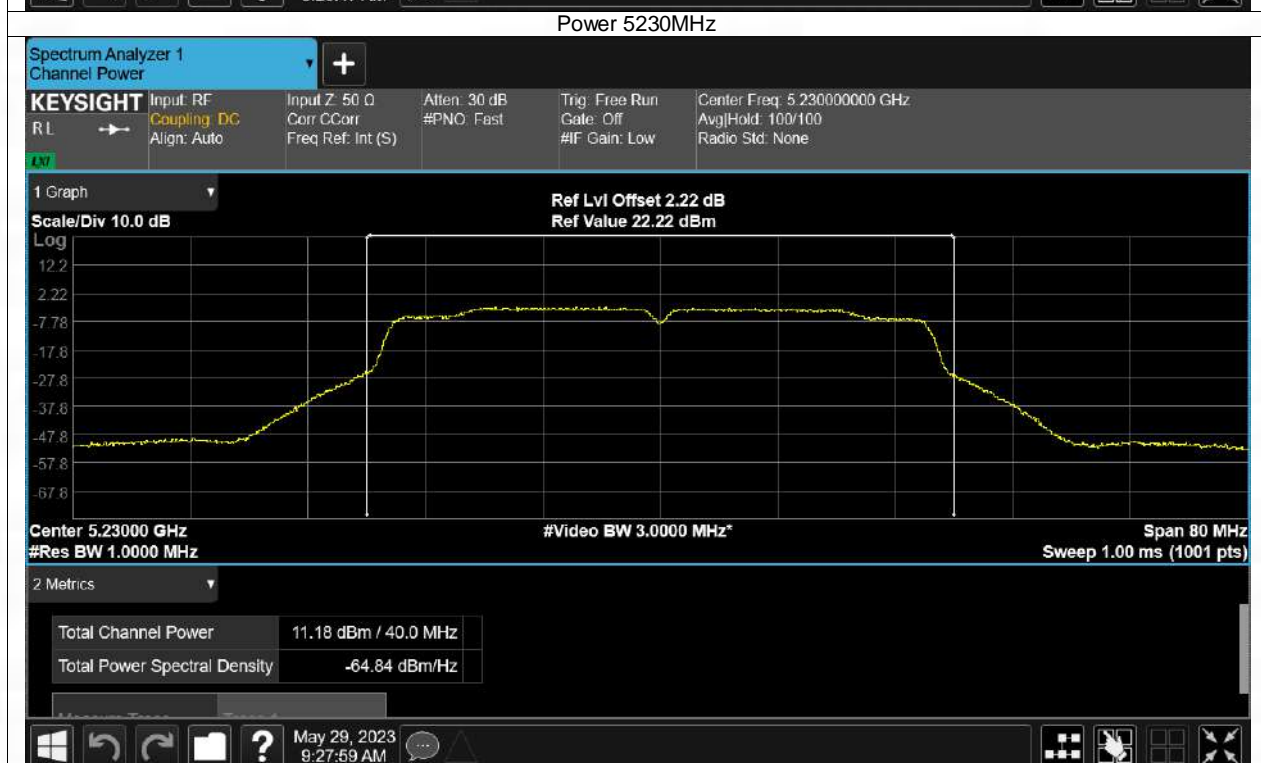
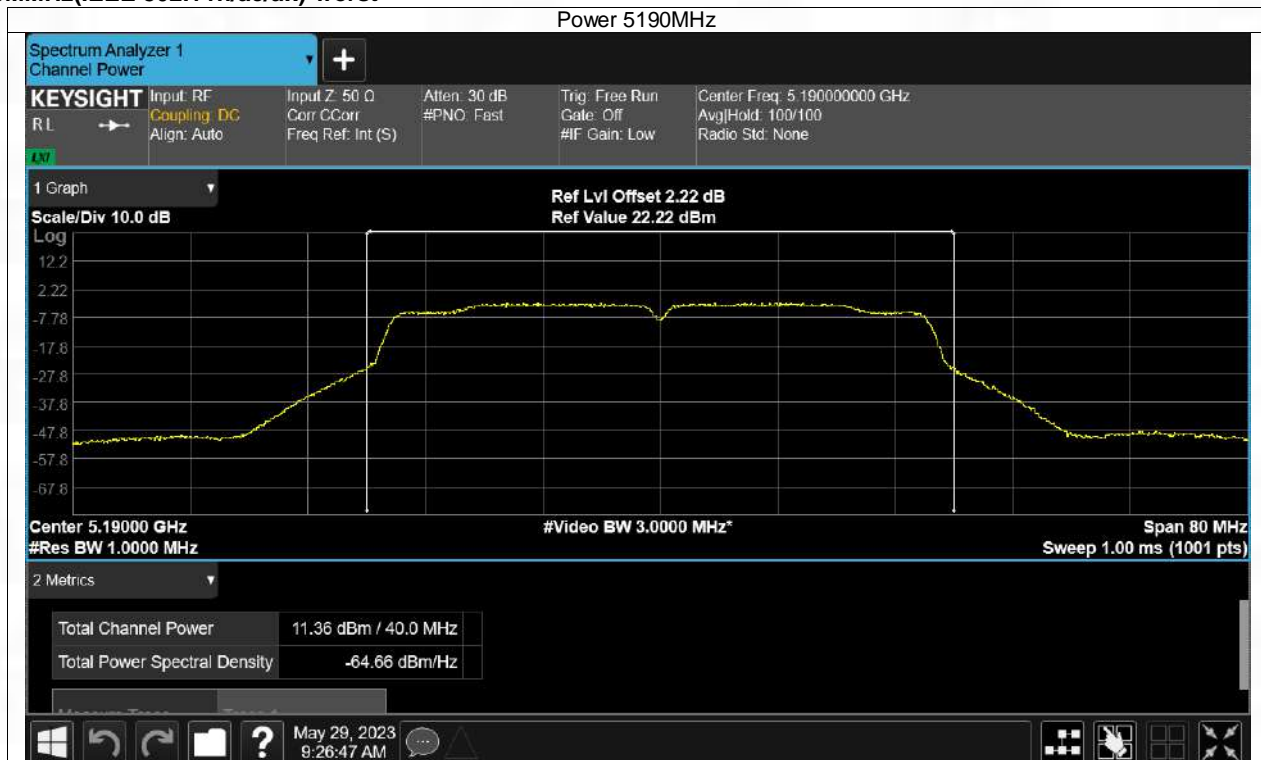


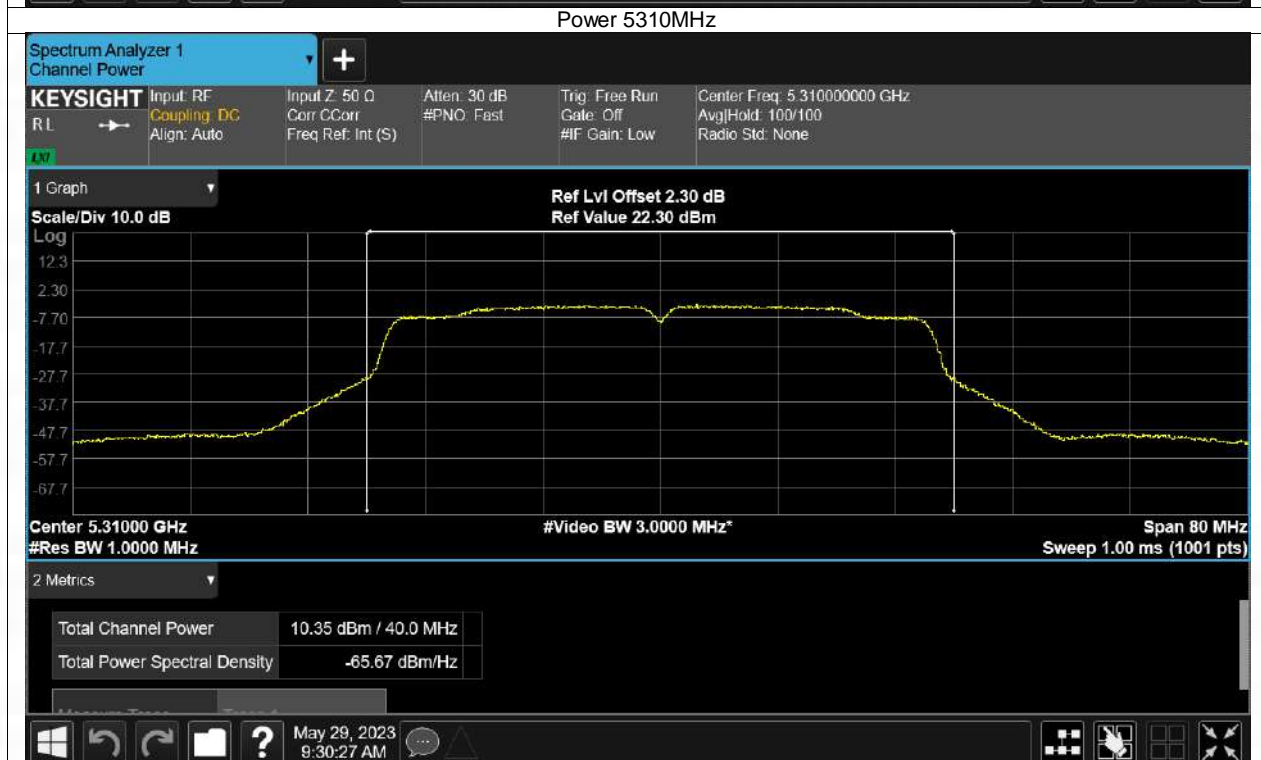
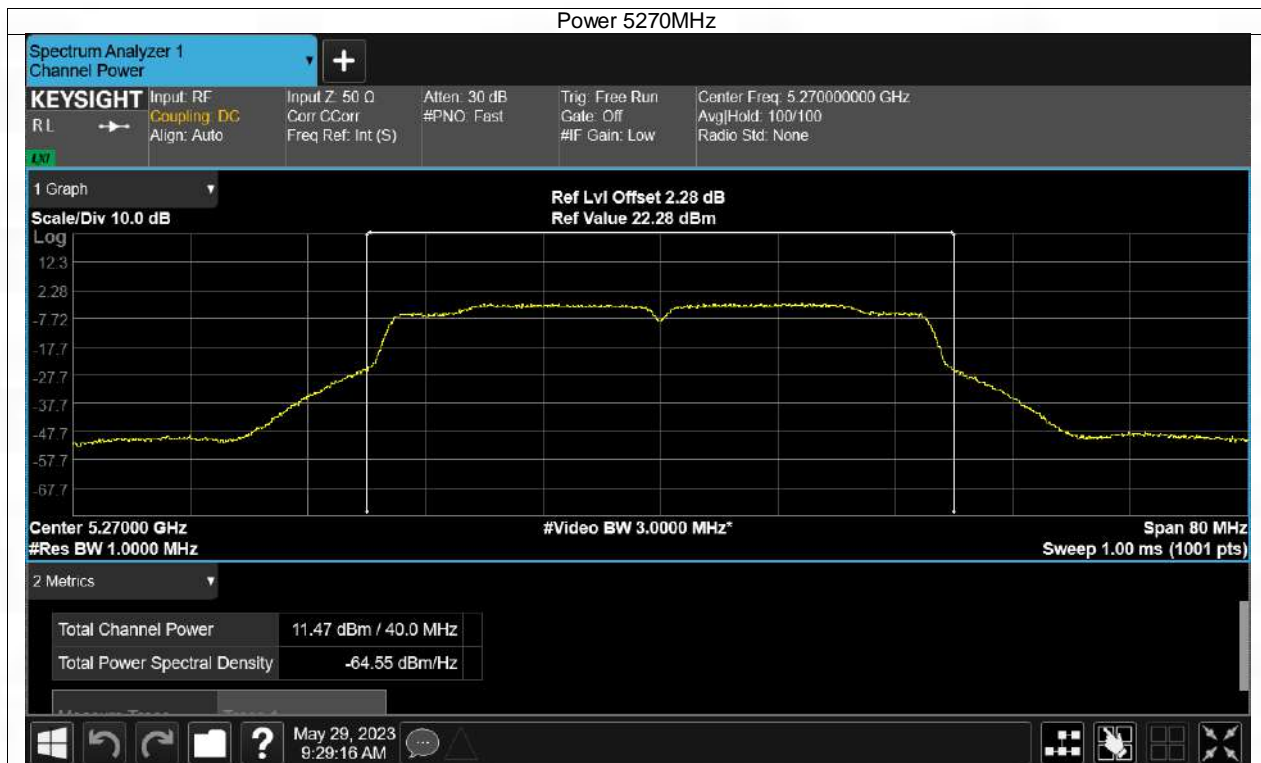


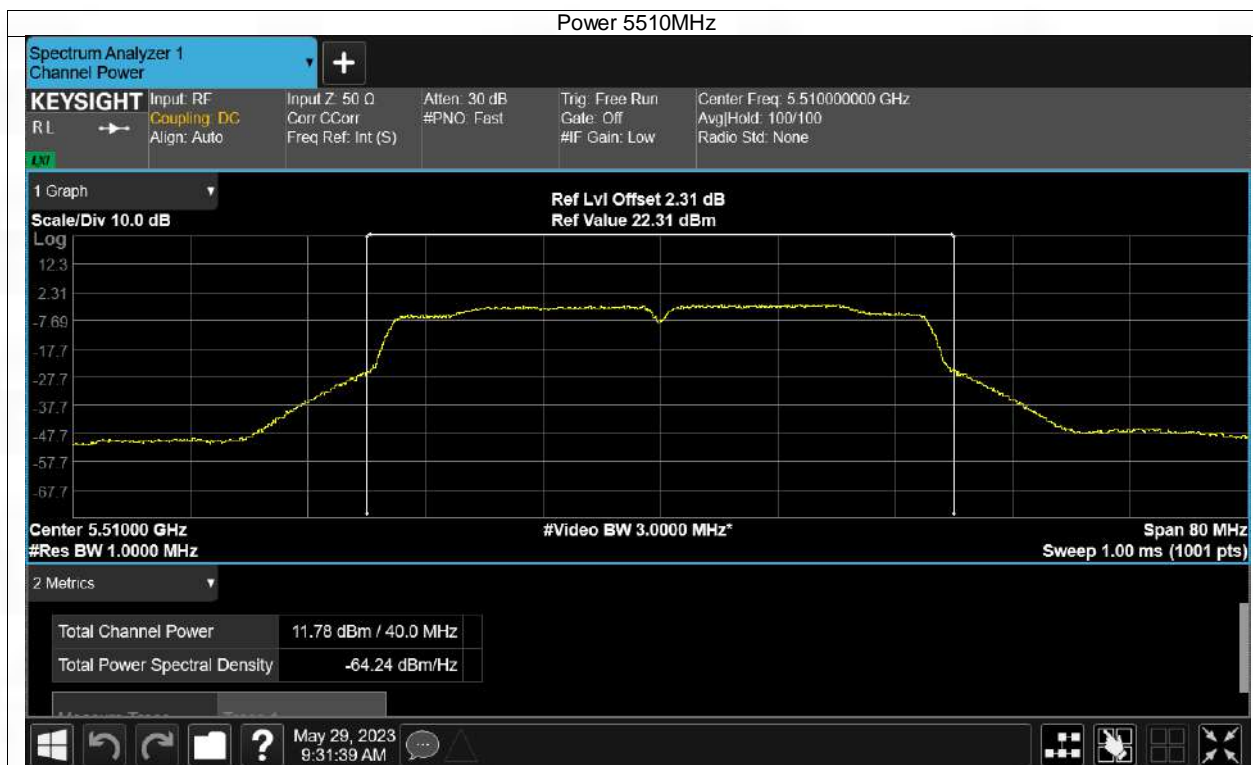


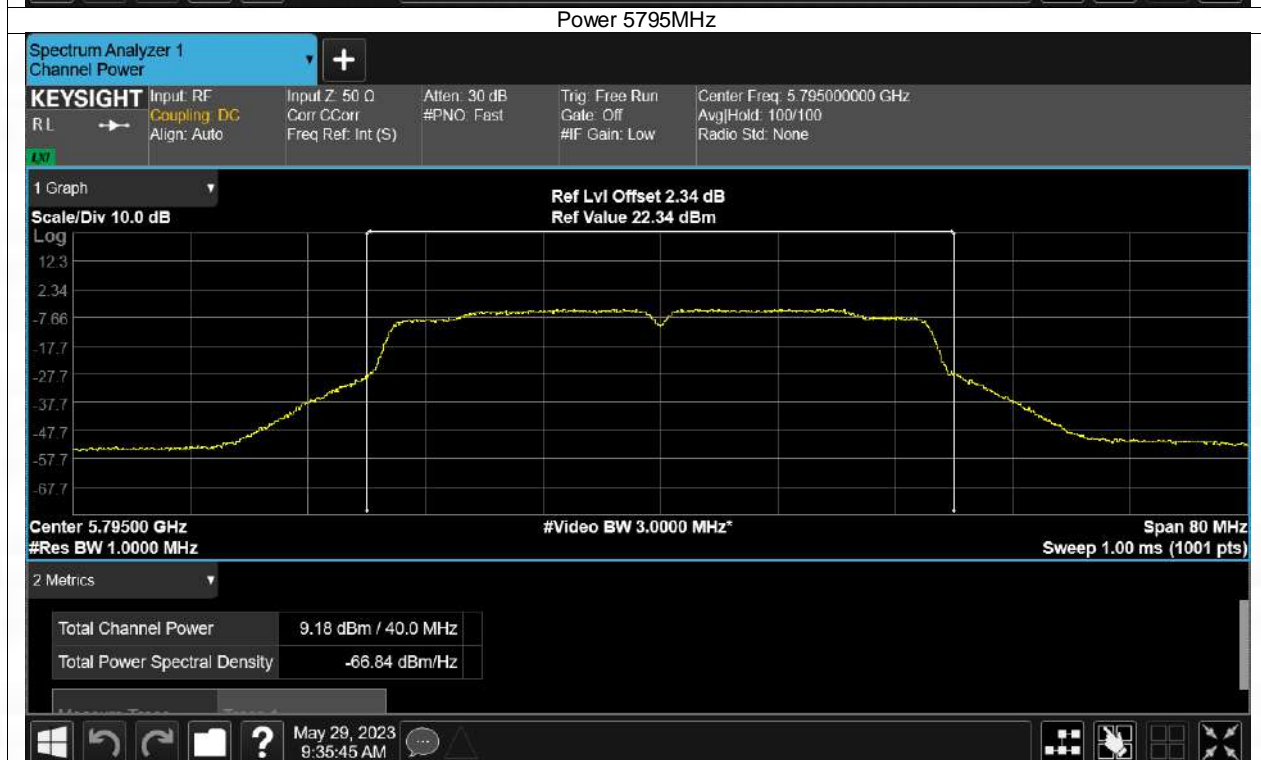
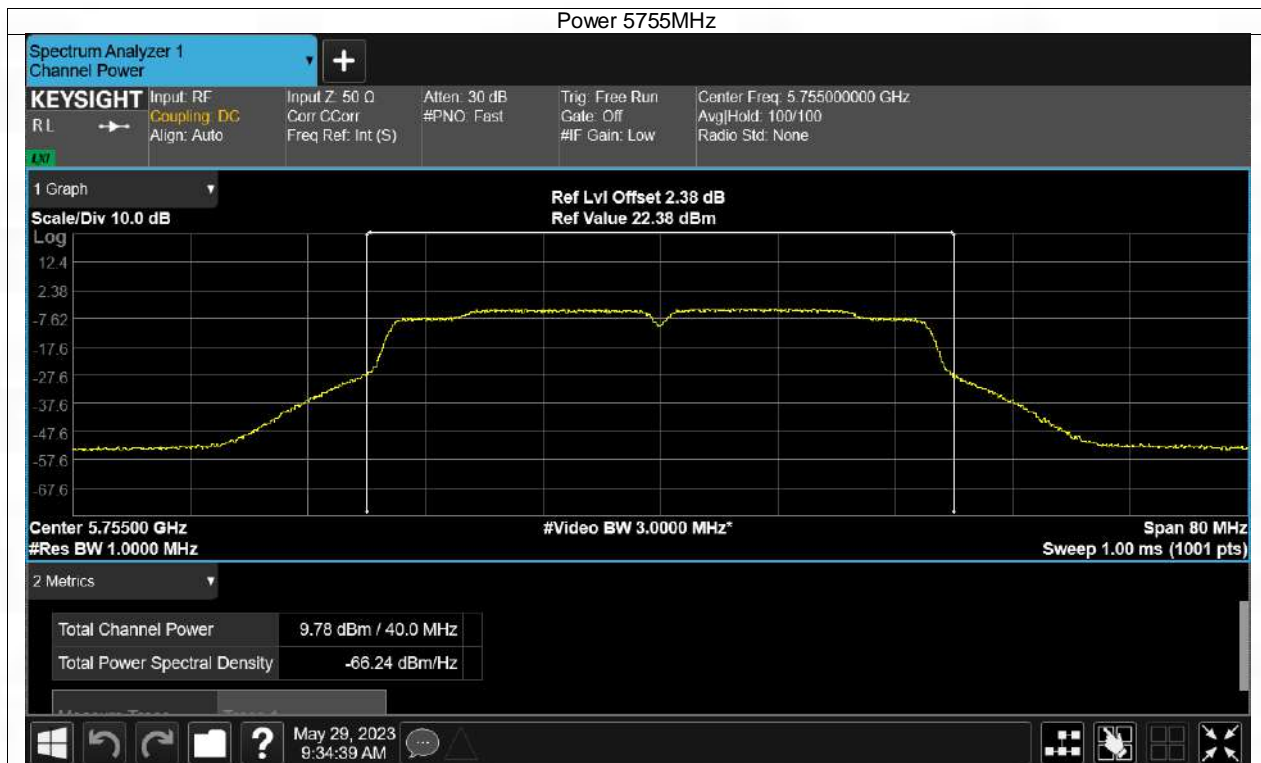


40MMHz(IEEE 802.11n/ac/ax)-worst

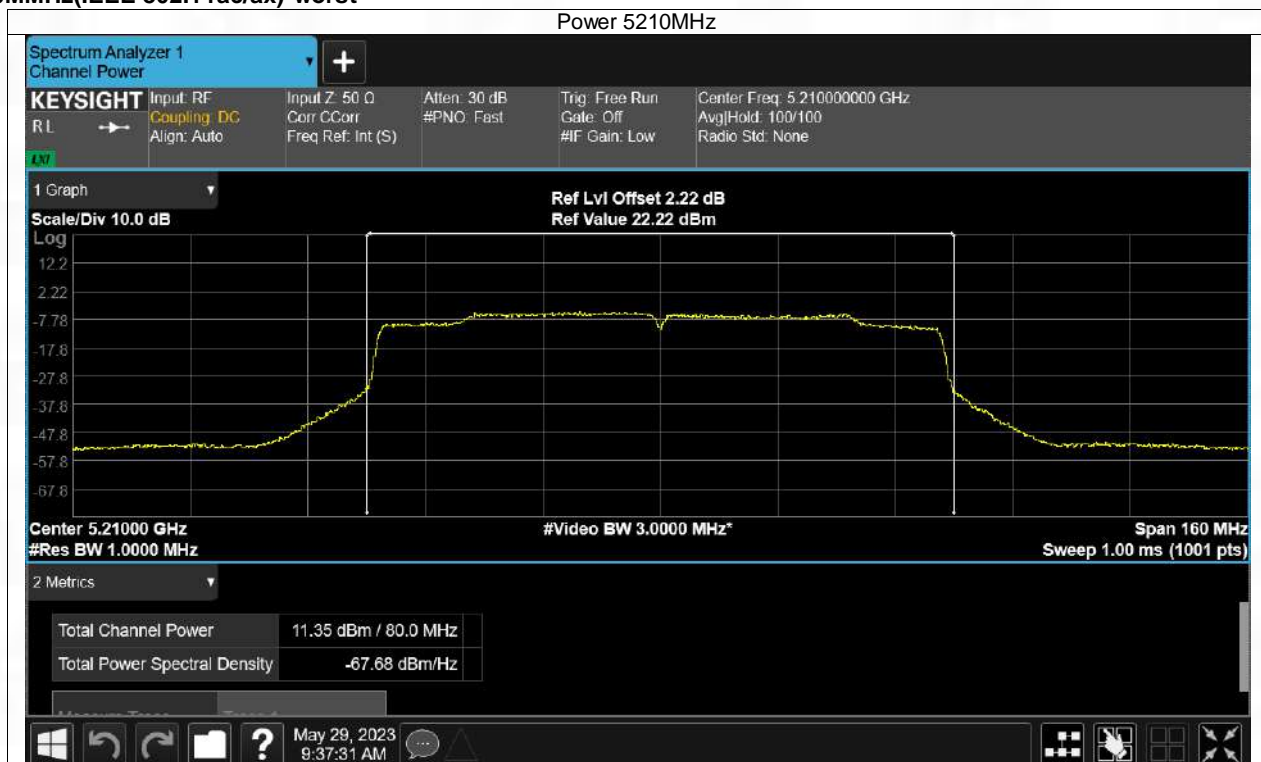


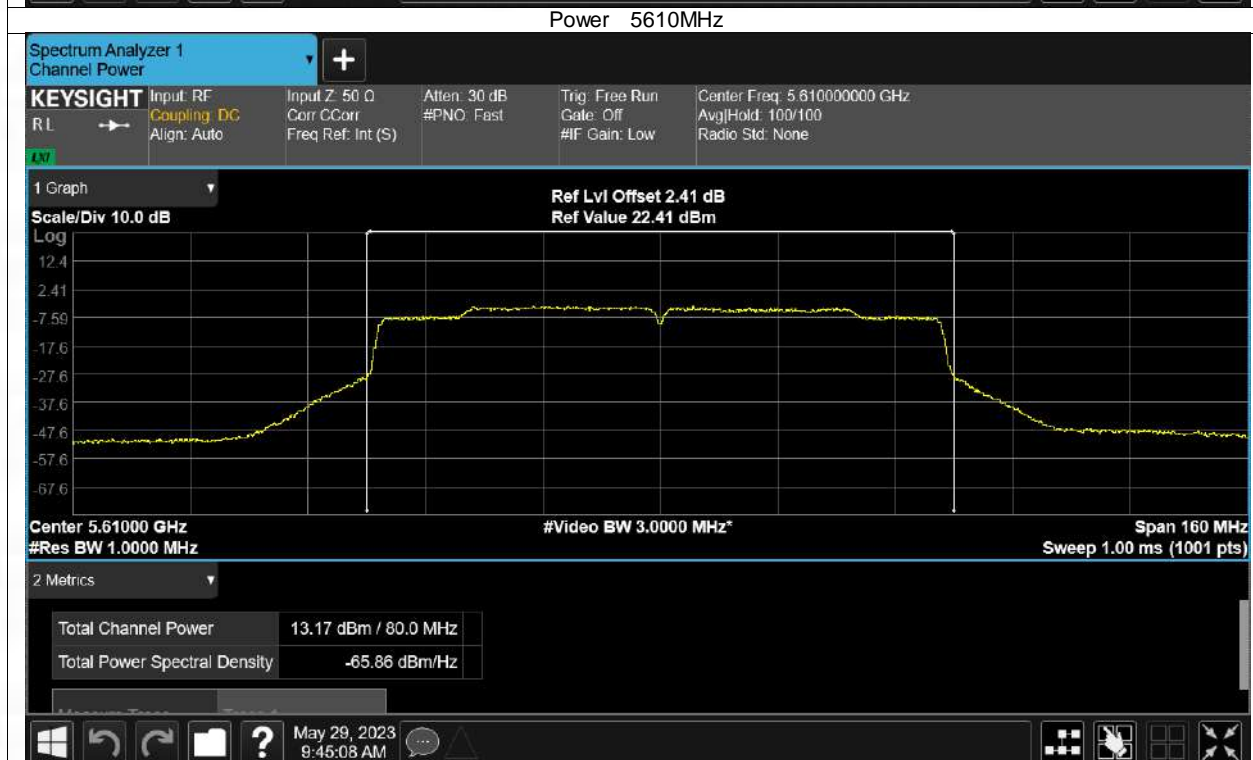






80MMHz(IEEE 802.11ac/ax)-worst







3. Maximum Power Spectral Density

3.1 PSD

3.1.1 Test Result

MAIN Ant1

Band	Channel	Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)-worst					
1	Low	5180	-7.84	11	Pass
	High	5240	-9.39	11	Pass
2	Low	5260	-7.12	11	Pass
	High	5320	-8.77	11	Pass
3	Low	5500	-7.66	11	Pass
	High	5700	-11.08	11	Pass
4	Low	5745	-16.17	30	Pass
	High	5825	-13.93	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	-12.38	11	Pass
	High	5230	-13.38	11	Pass
2	Low	5270	-14.14	11	Pass
	High	5310	-15.72	11	Pass
3	Low	5510	-14.48	11	Pass
	High	5670	-14.4	11	Pass
4	Low	5755	-20.94	30	Pass
	High	5795	-19.23	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	-16.26	11	Pass
2	Low	5290	-15.66	11	Pass
3	Low	5530	-17.18	11	Pass
	High	5610	-17.01	11	Pass
4	Low	5775	-21.3	30	Pass

AUX Ant2

Band	Channel	Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)-worst					
1	Low	5180	-9.37	11	Pass
	High	5240	-9.03	11	Pass
2	Low	5260	-9.08	11	Pass
	High	5320	-12.29	11	Pass
3	Low	5500	-11.21	11	Pass
	High	5700	-8.11	11	Pass
4	Low	5745	-14.41	30	Pass
	High	5825	-13.53	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	-10.42	11	Pass
	High	5230	-12.38	11	Pass
2	Low	5270	-12.12	11	Pass
	High	5310	-9.73	11	Pass
3	Low	5510	-12.27	11	Pass
	High	5670	-10.13	11	Pass
4	Low	5755	-15.33	30	Pass
	High	5795	-16.91	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	-15.1	11	Pass
2	Low	5290	-14.56	11	Pass
3	Low	5530	-14.04	11	Pass

	High	5610	-12.48	11	Pass
4	Low	5775	-17.03	30	Pass

MIMO mode

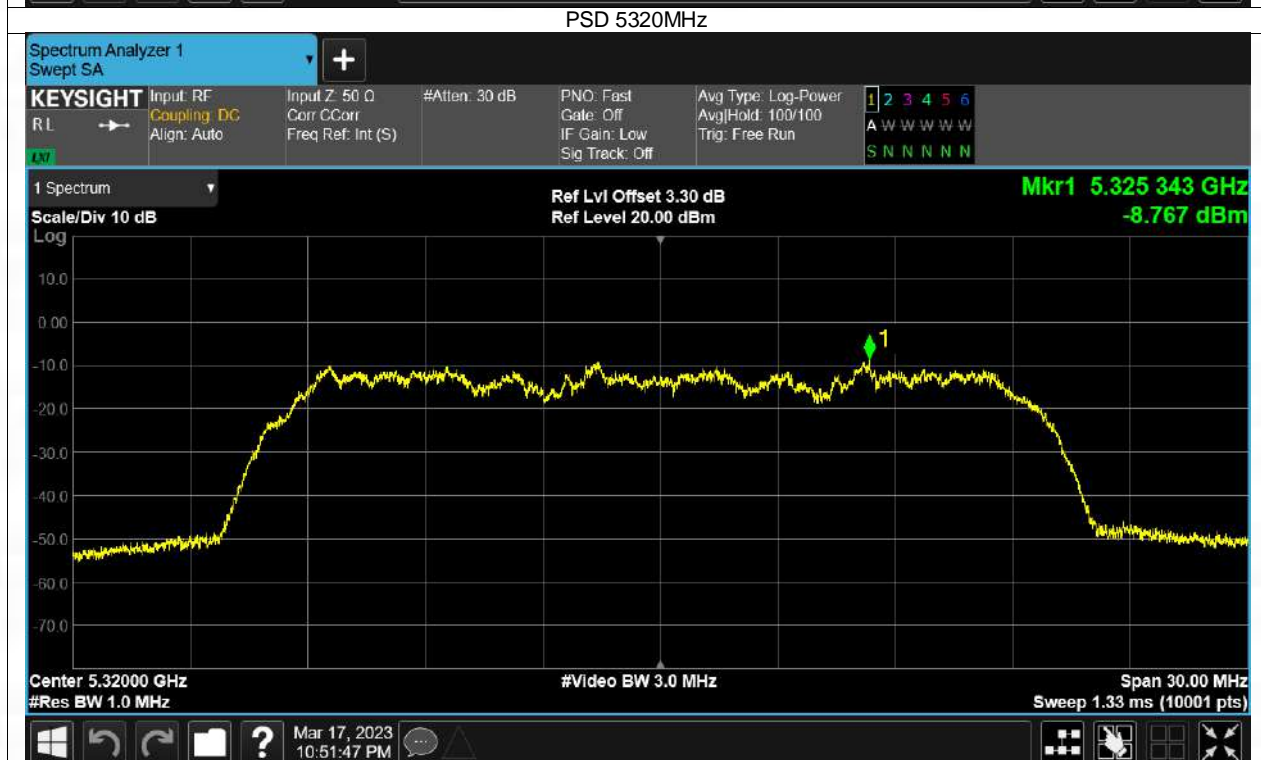
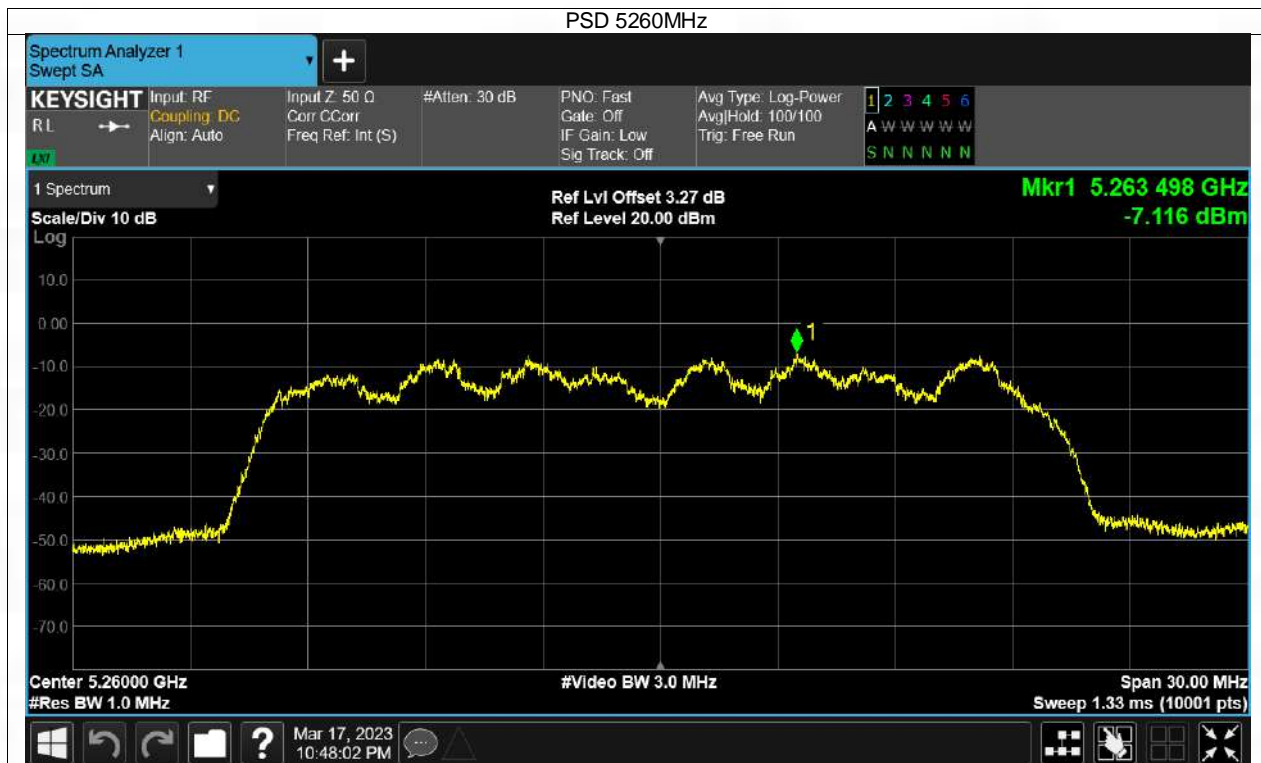
Band	Channel	Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Verdict
20MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5180	-5.53	11	Pass
	High	5240	-6.20	11	Pass
2	Low	5260	-4.98	11	Pass
	High	5320	-7.17	11	Pass
3	Low	5500	-6.07	11	Pass
	High	5700	-6.34	11	Pass
4	Low	5745	-12.19	30	Pass
	High	5825	-10.72	30	Pass
40MHz(IEEE 802.11n/ac/ax)-worst					
1	Low	5190	-8.28	11	Pass
	High	5230	-9.84	11	Pass
2	Low	5270	-10.00	11	Pass
	High	5310	-8.75	11	Pass
3	Low	5510	-10.23	11	Pass
	High	5670	-8.75	11	Pass
4	Low	5755	-14.28	30	Pass
	High	5795	-14.91	30	Pass
80MHz(IEEE 802.11ac/ax)-worst					
1	Low	5210	-12.63	11	Pass
2	Low	5290	-12.06	11	Pass
3	Low	5530	-12.32	11	Pass
	High	5610	-11.17	11	Pass
4	Low	5775	-15.65	30	Pass

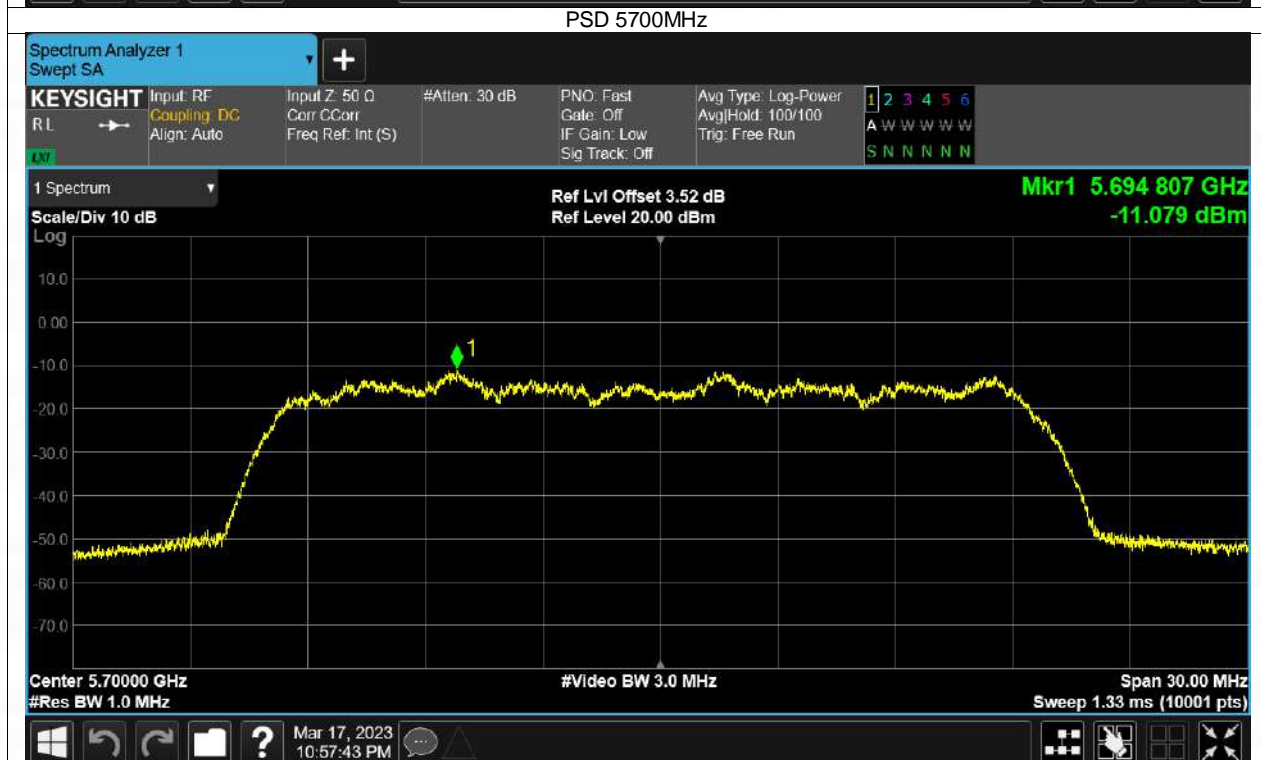
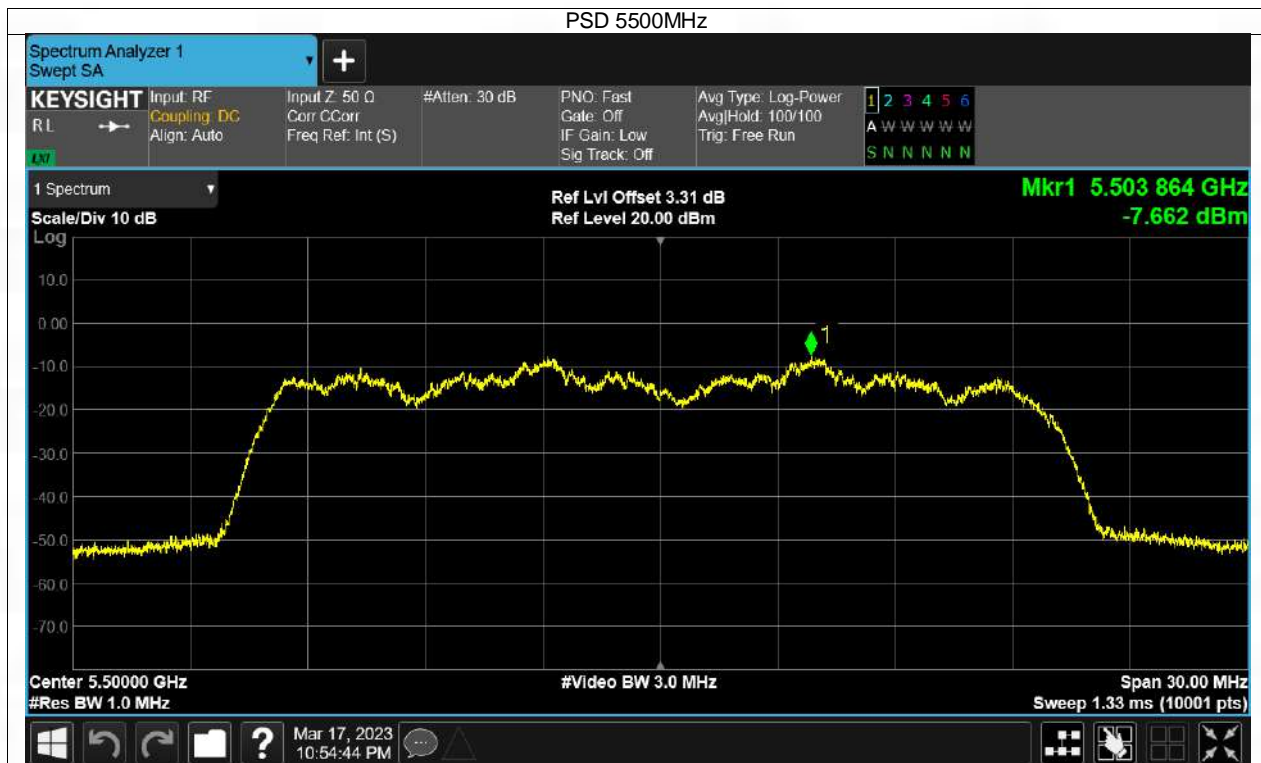
3.1.2 Test Graph

ANT1

20MHz(IEEE 802.11a/n/ac/ax)



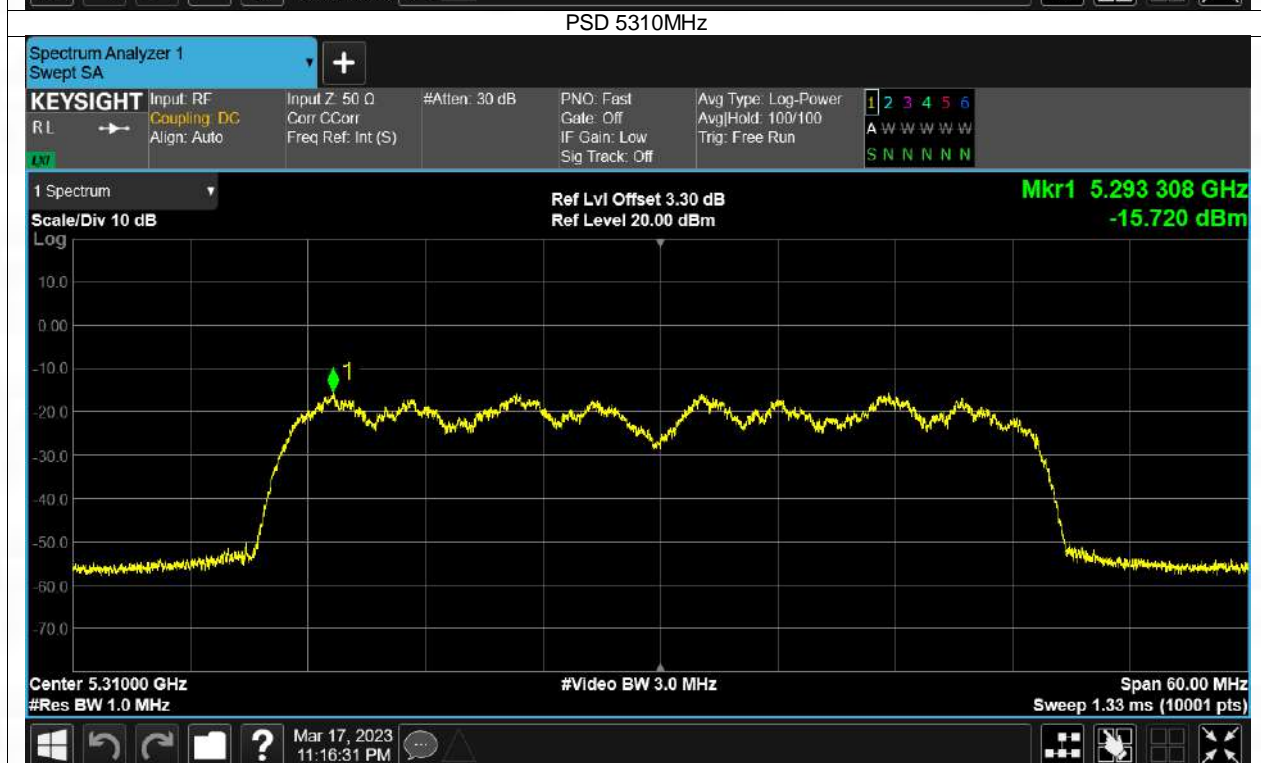
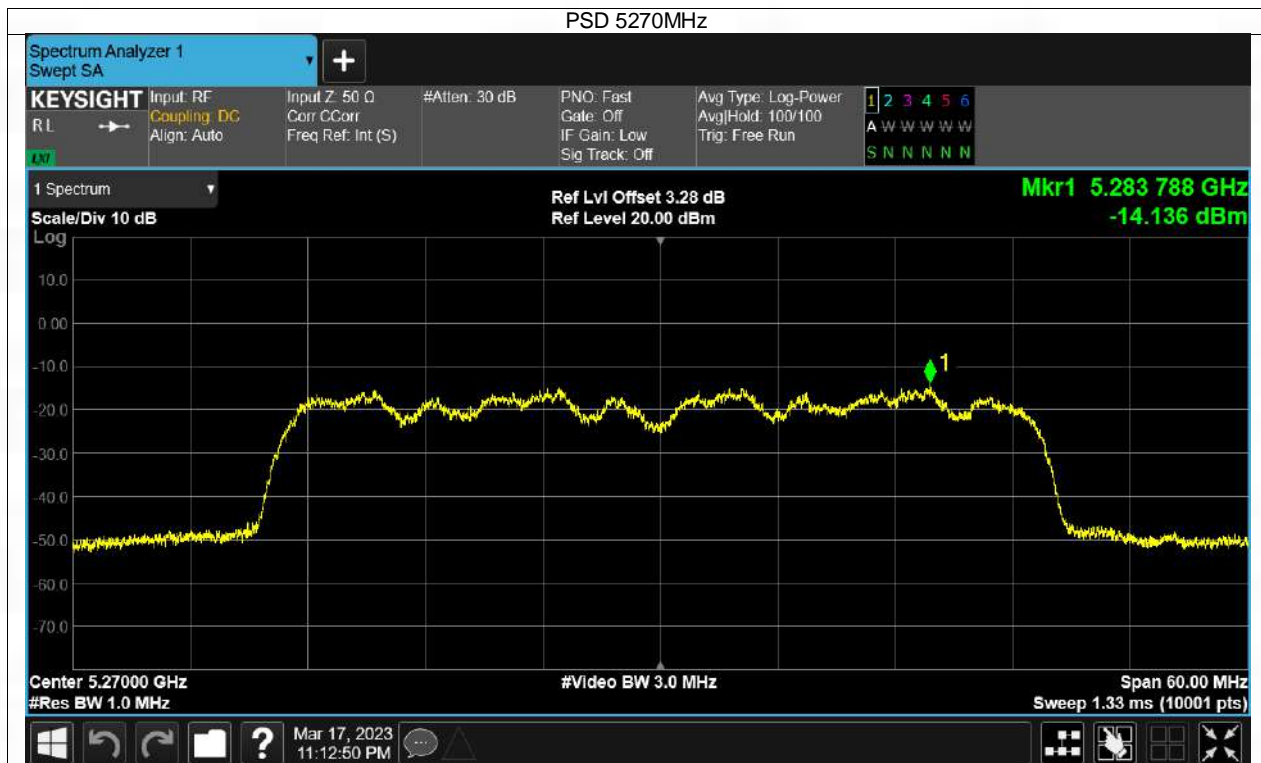


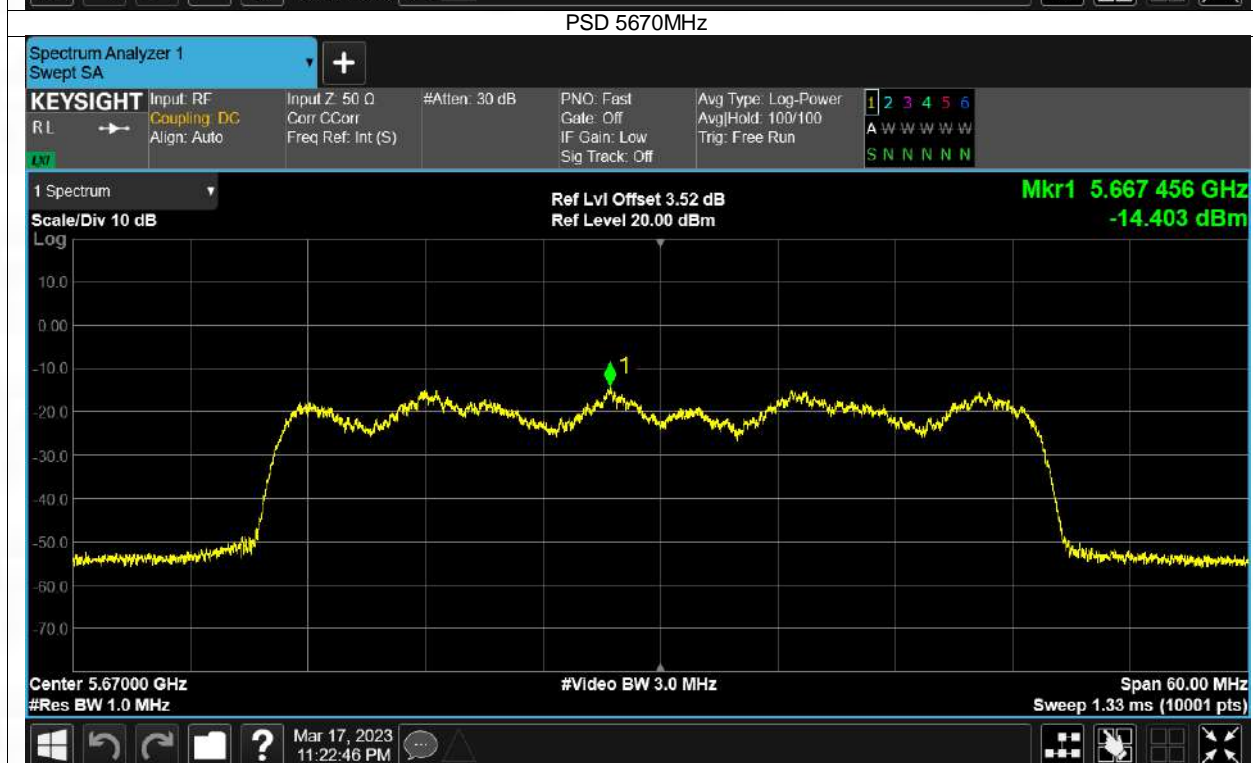
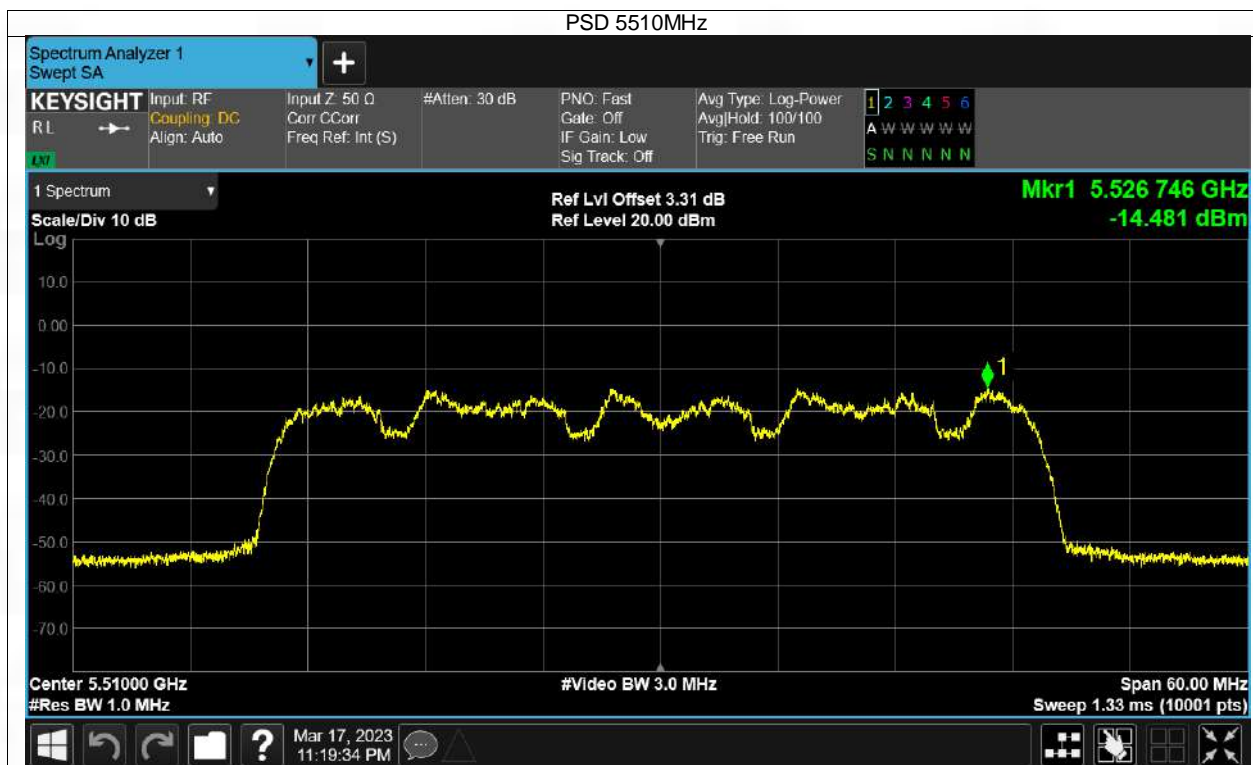




40MHz(IEEE 802.11 n/ac/ax)

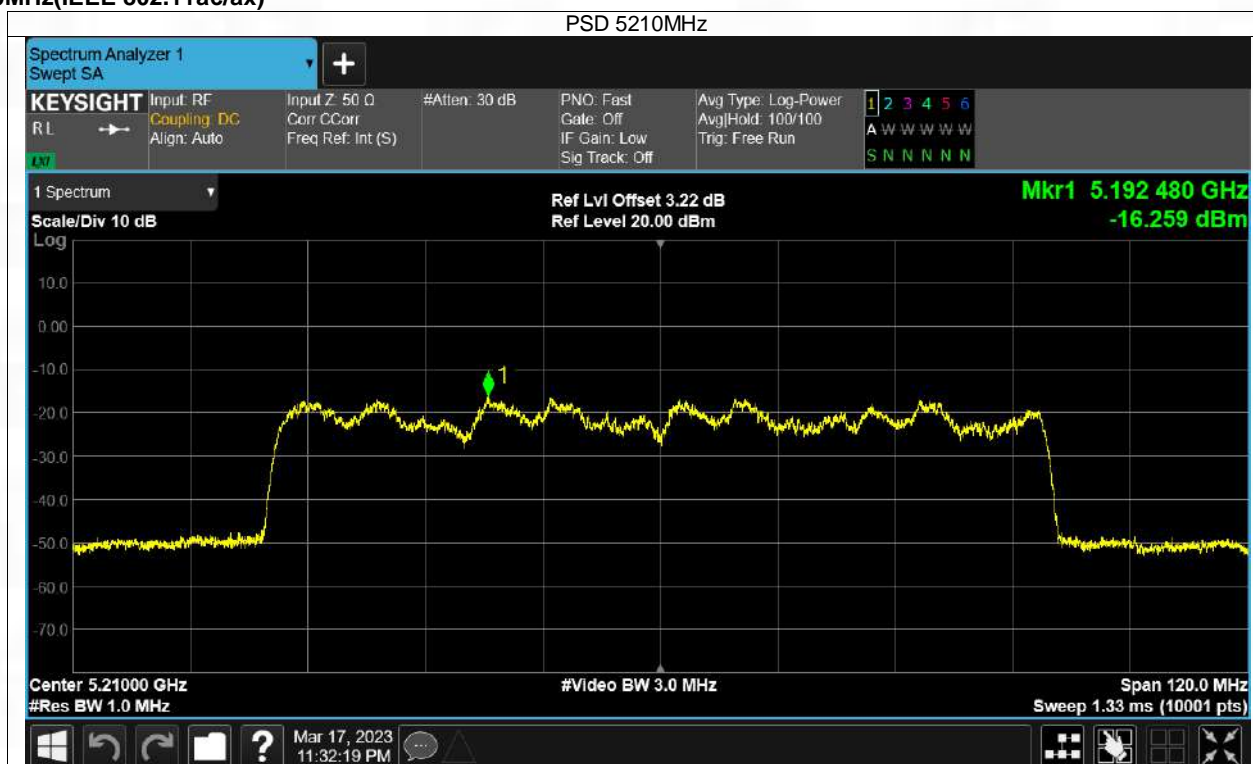


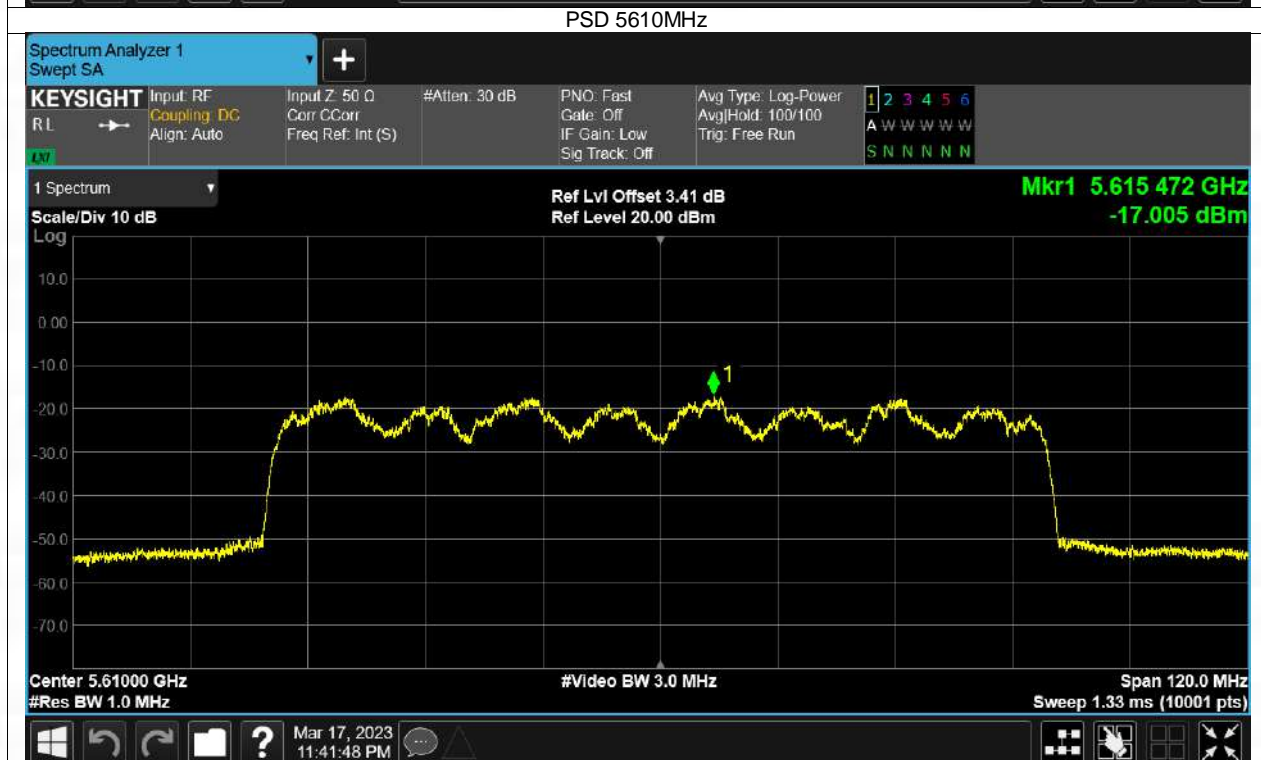
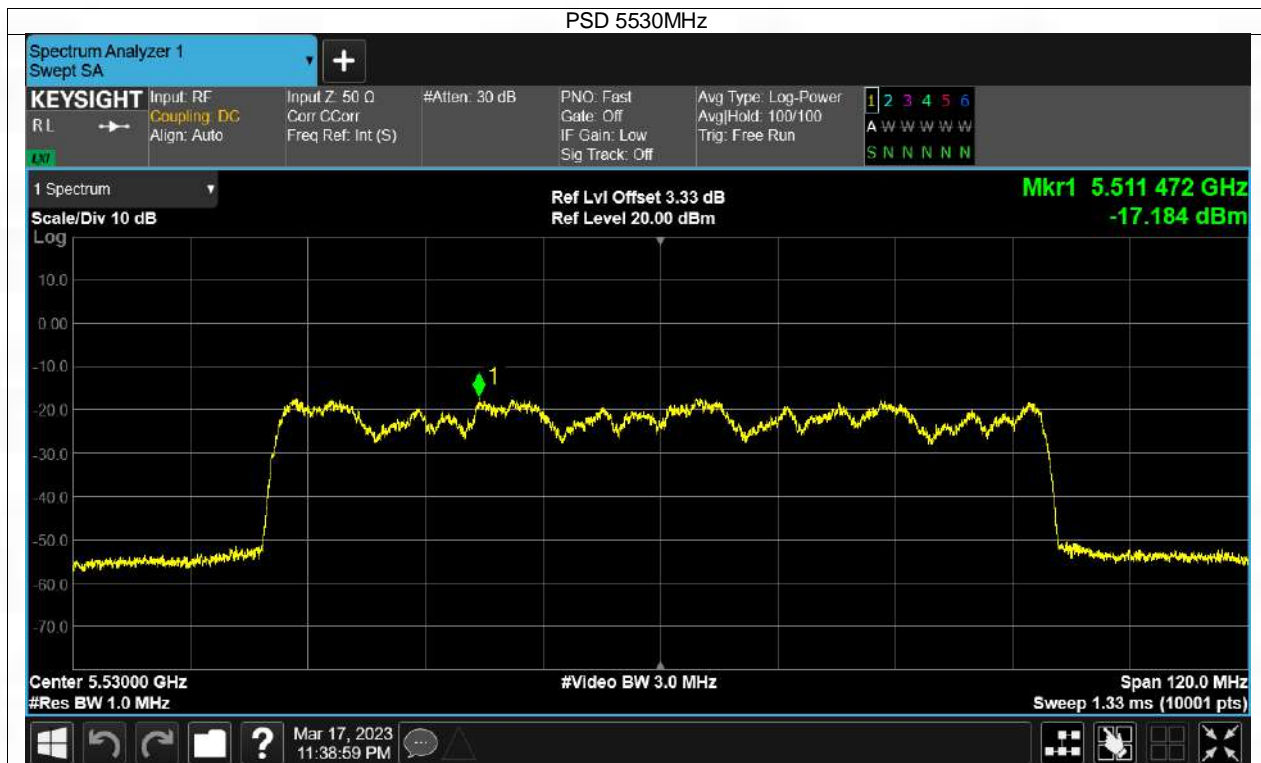


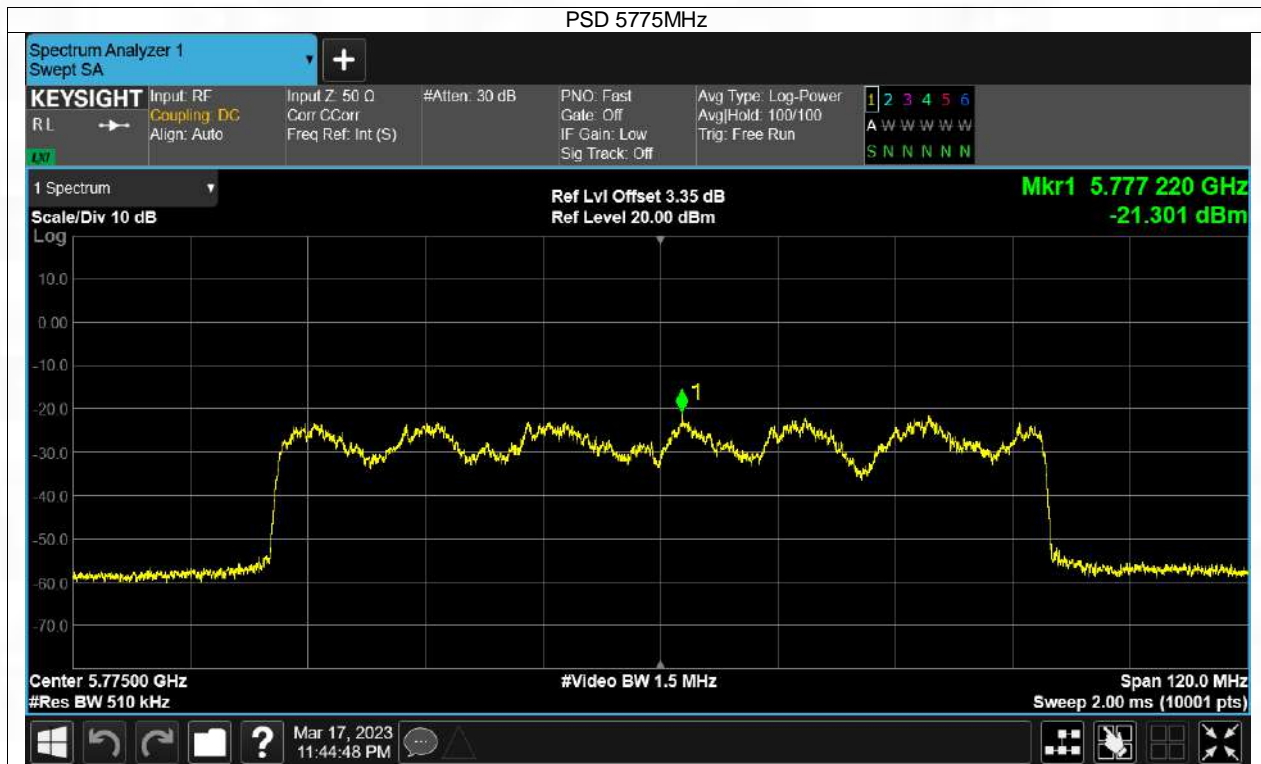




80MHz(IEEE 802.11ac/ax)

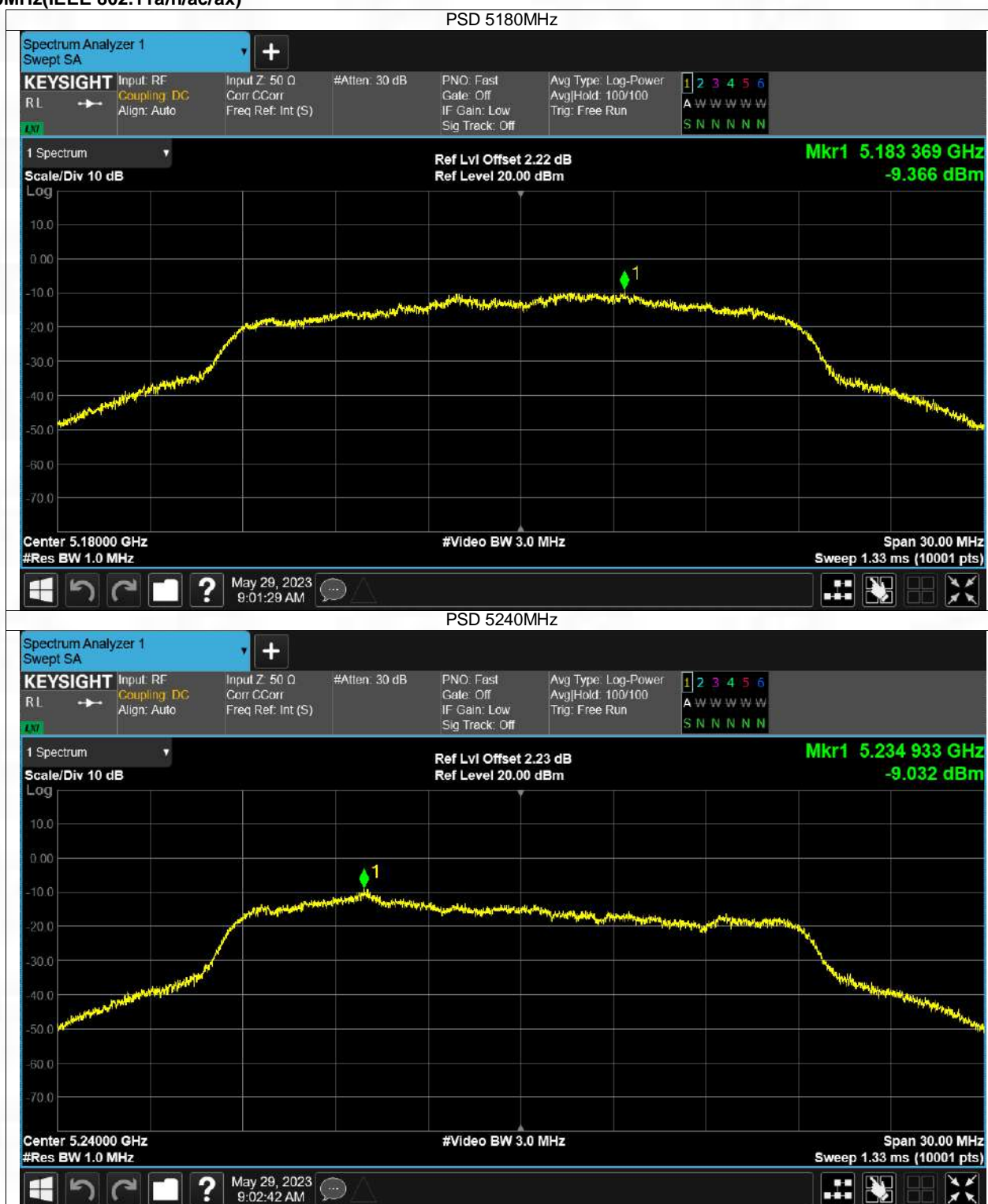


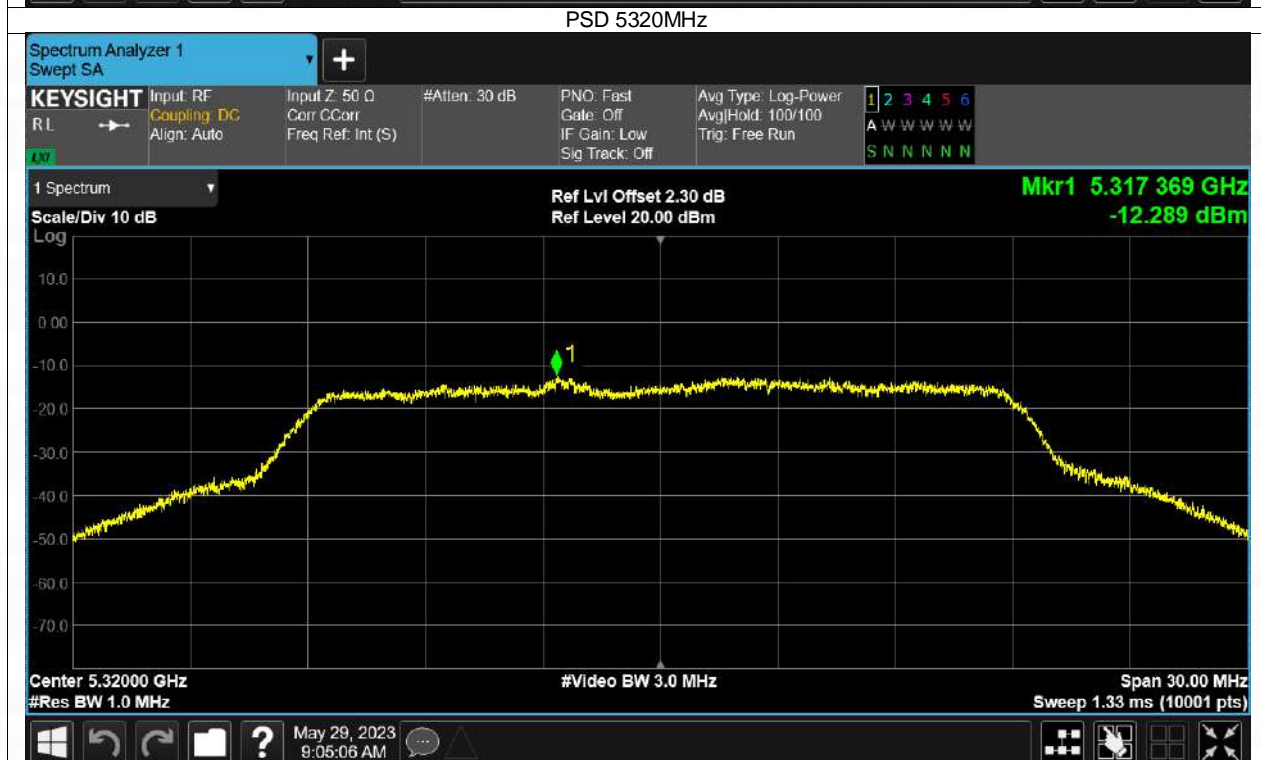
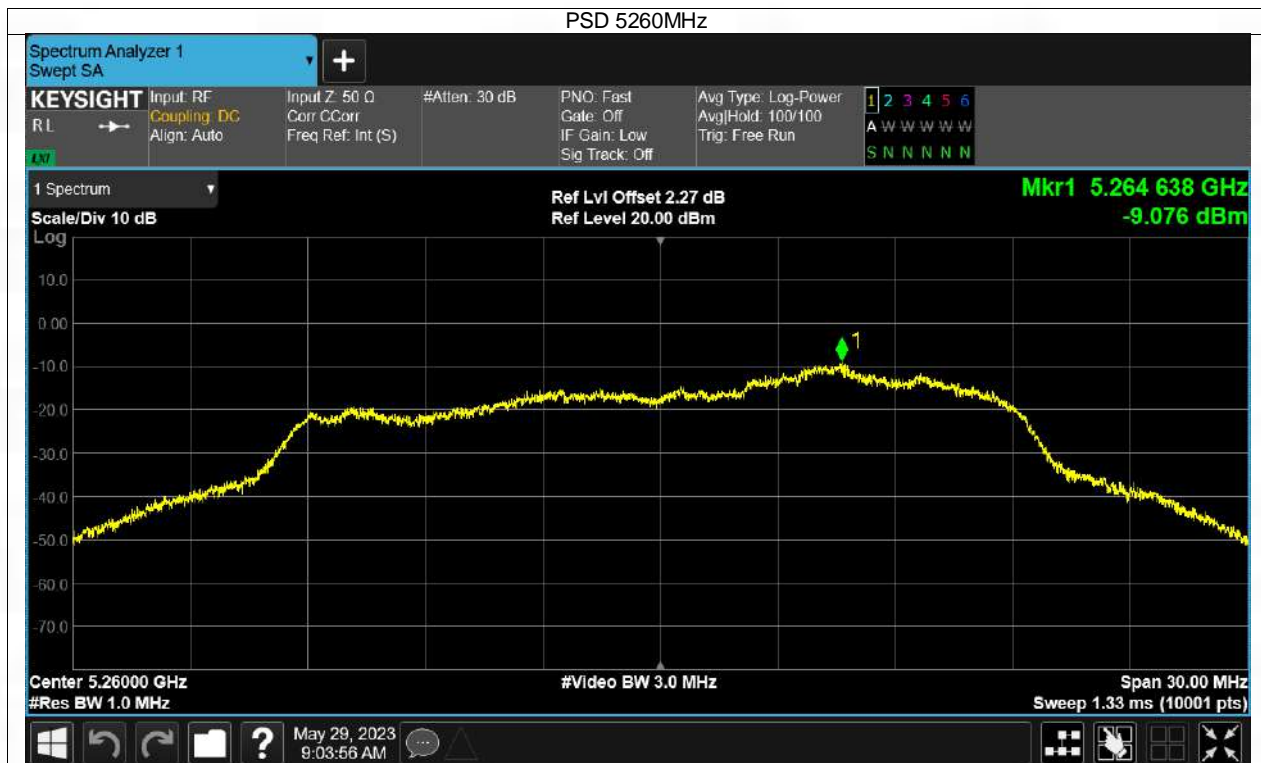


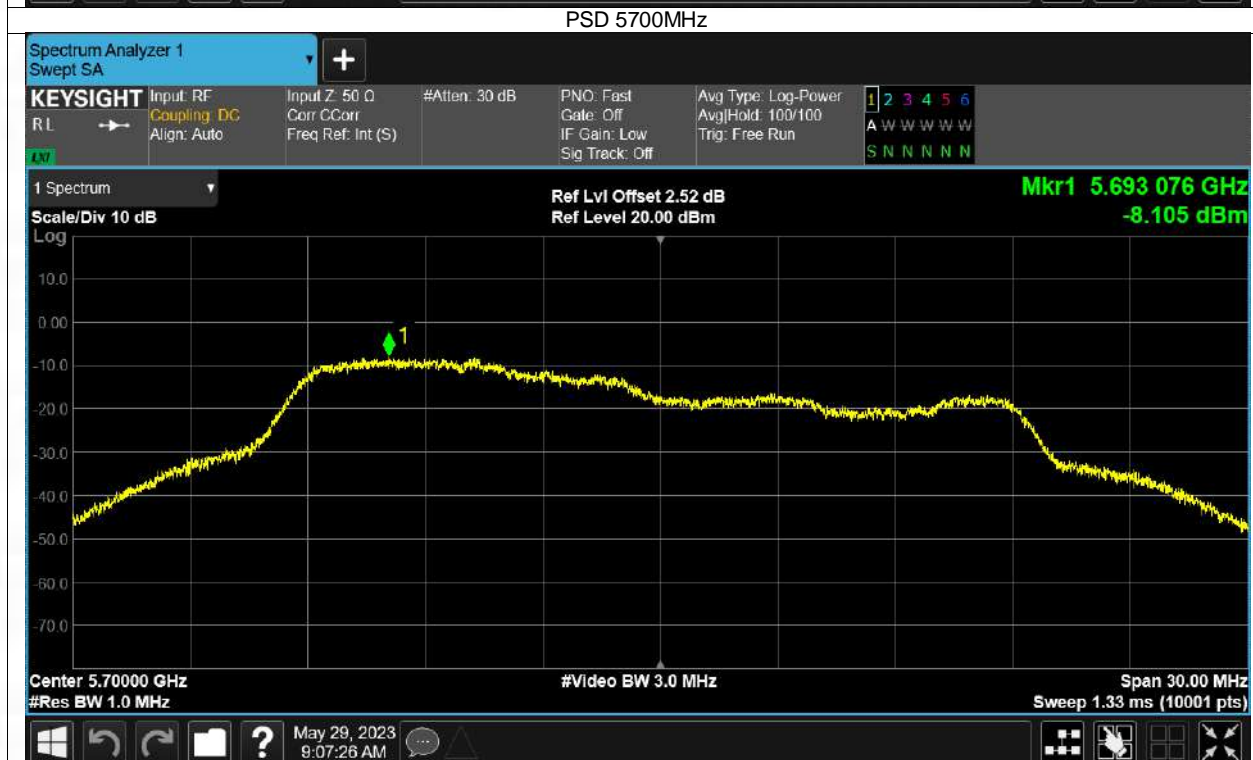


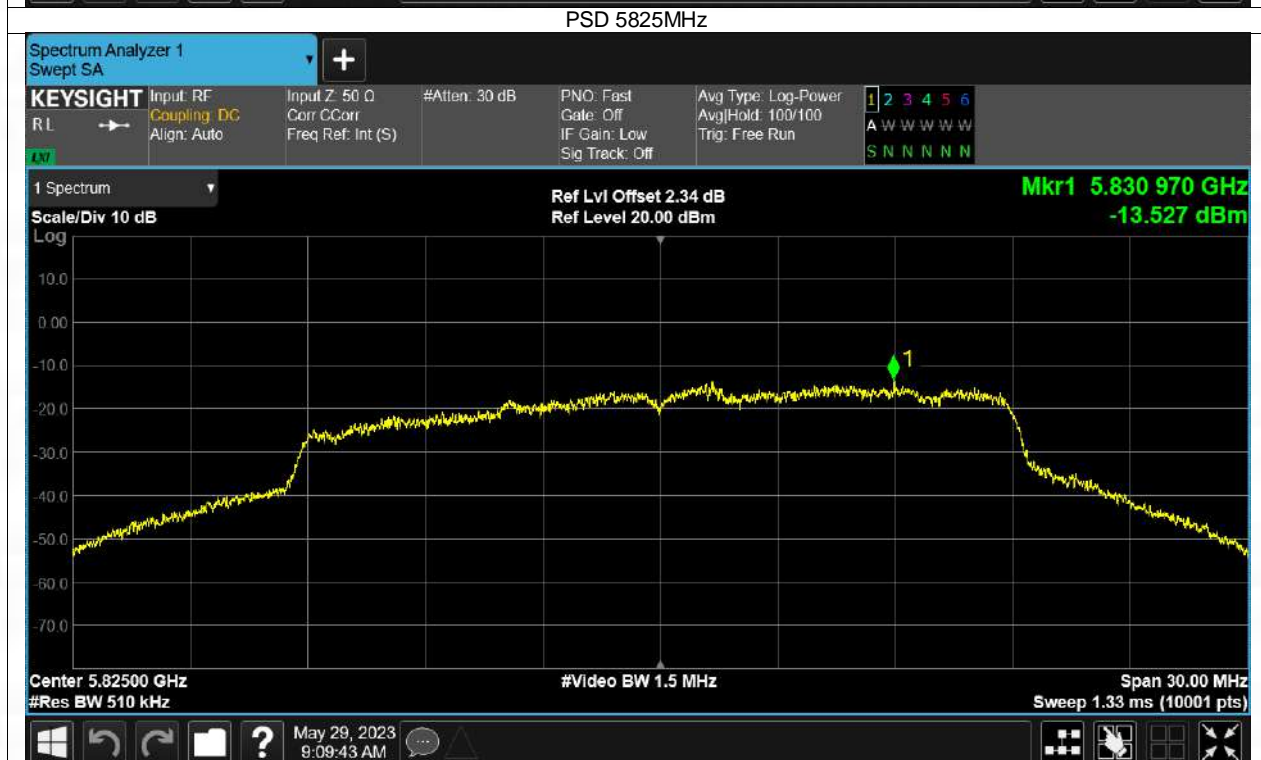
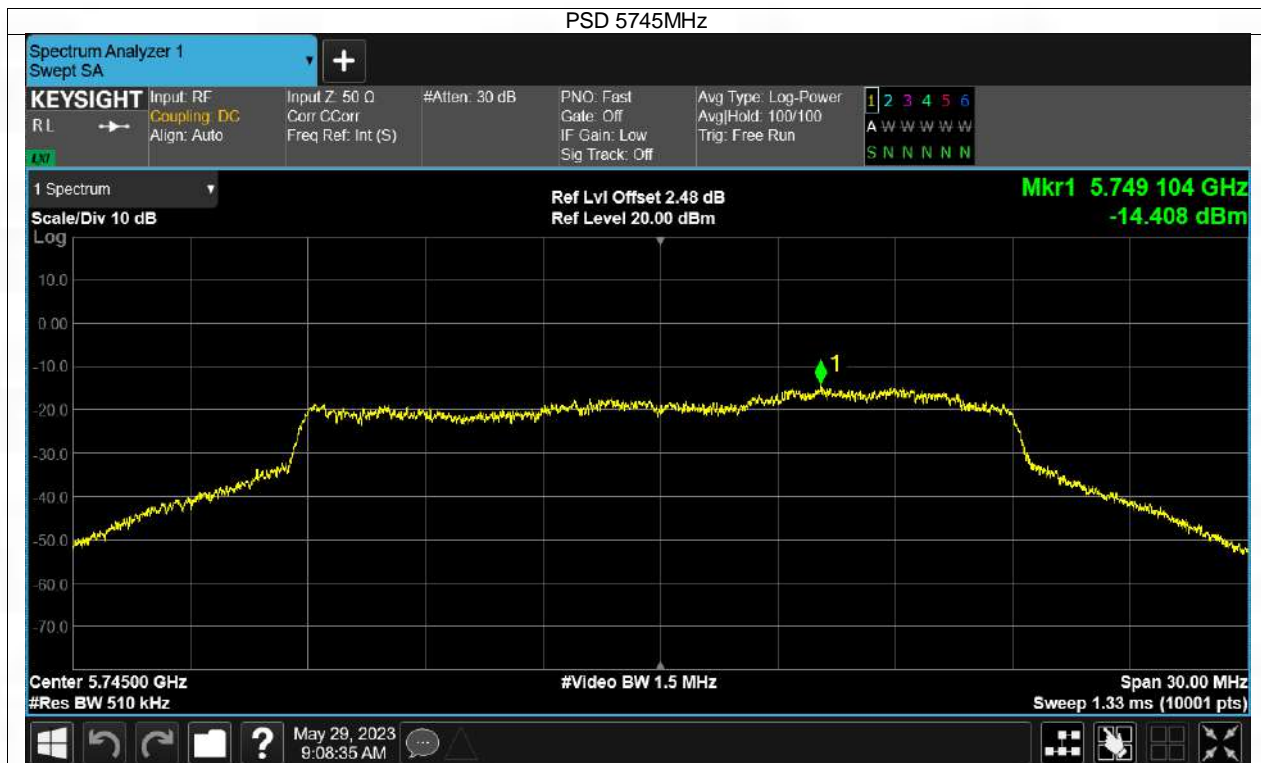
ANT2

20MHz(IEEE 802.11a/n/ac/ax)

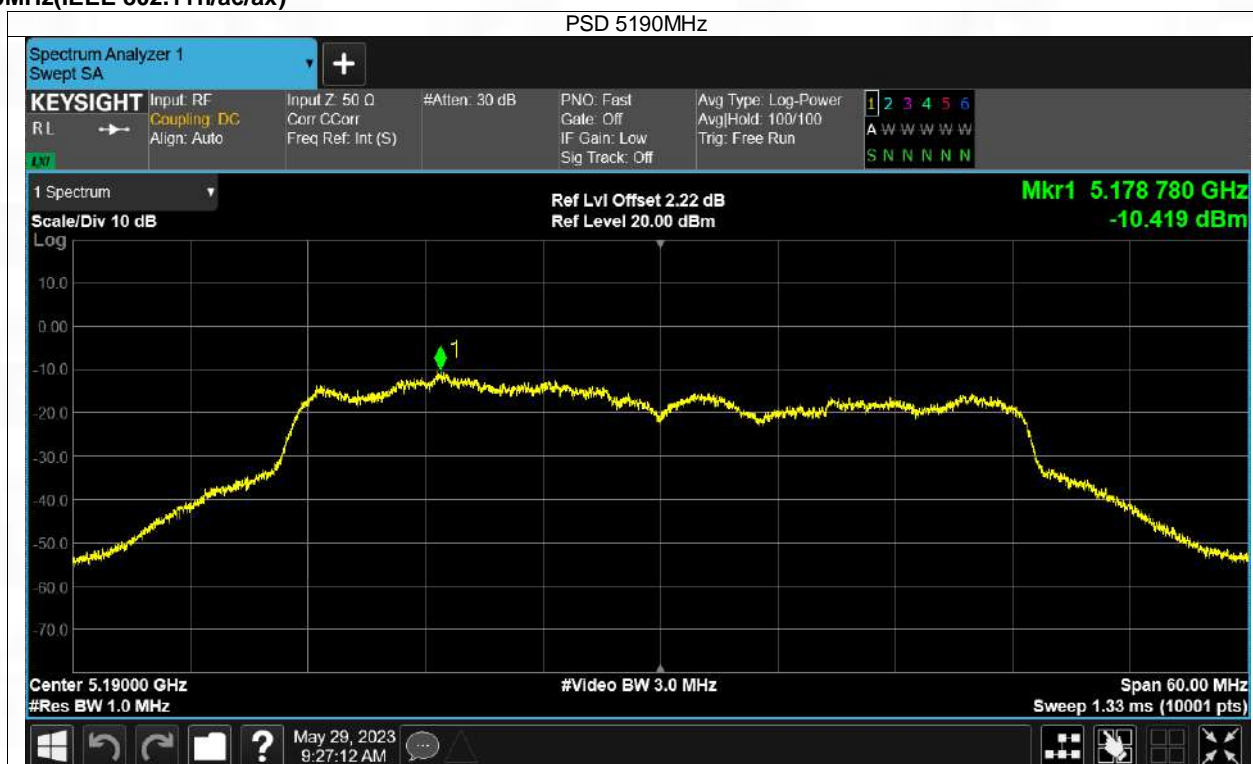


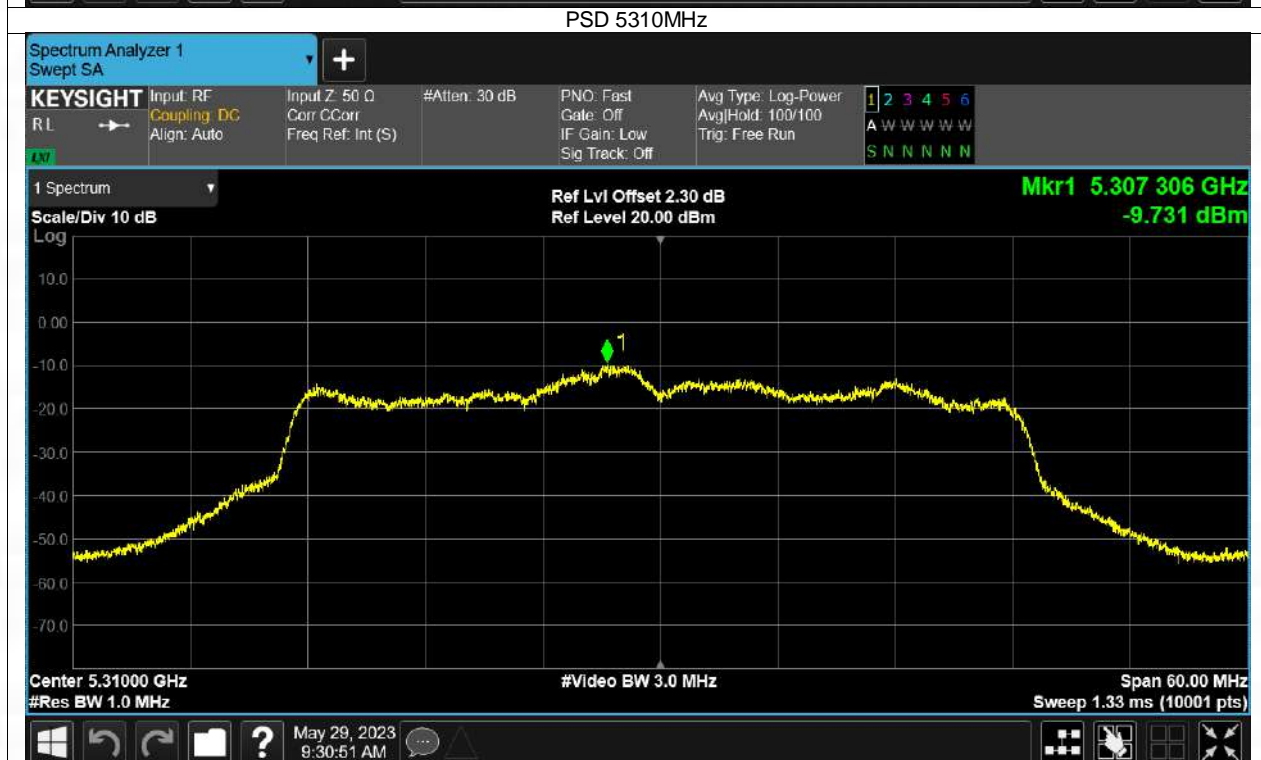
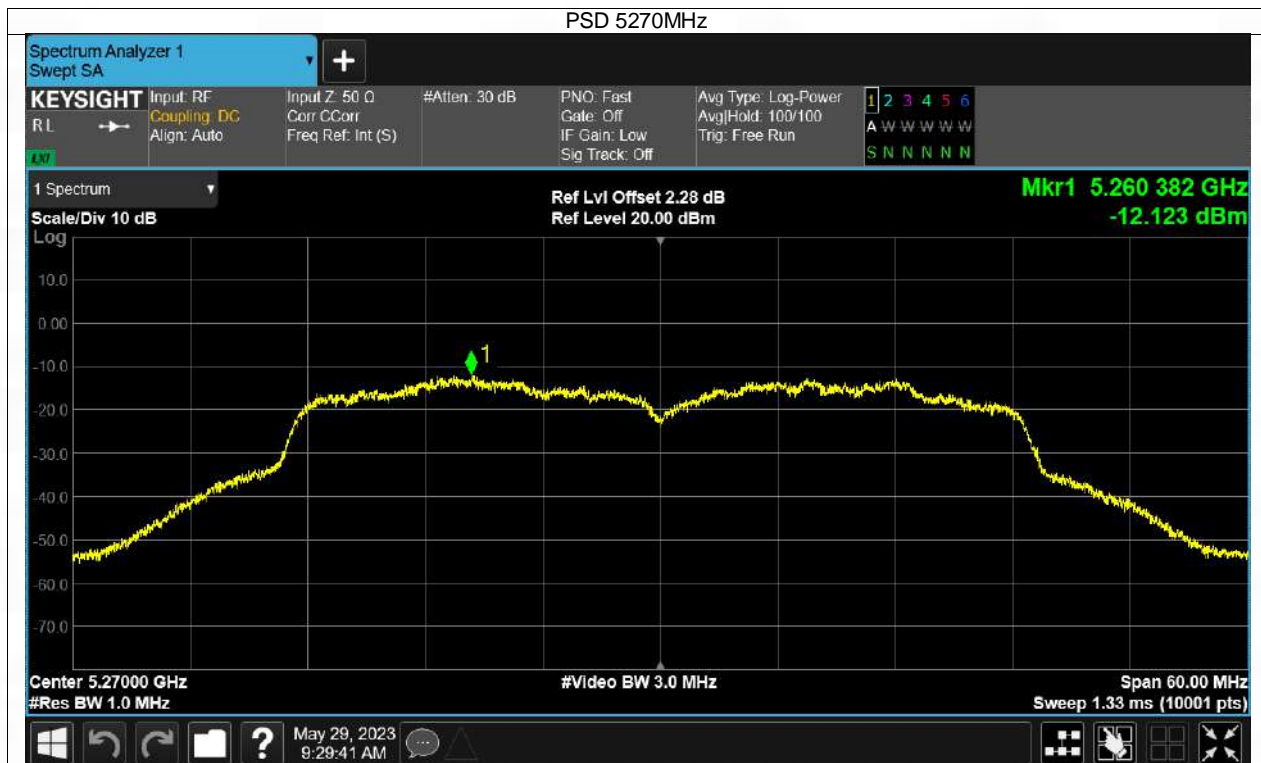


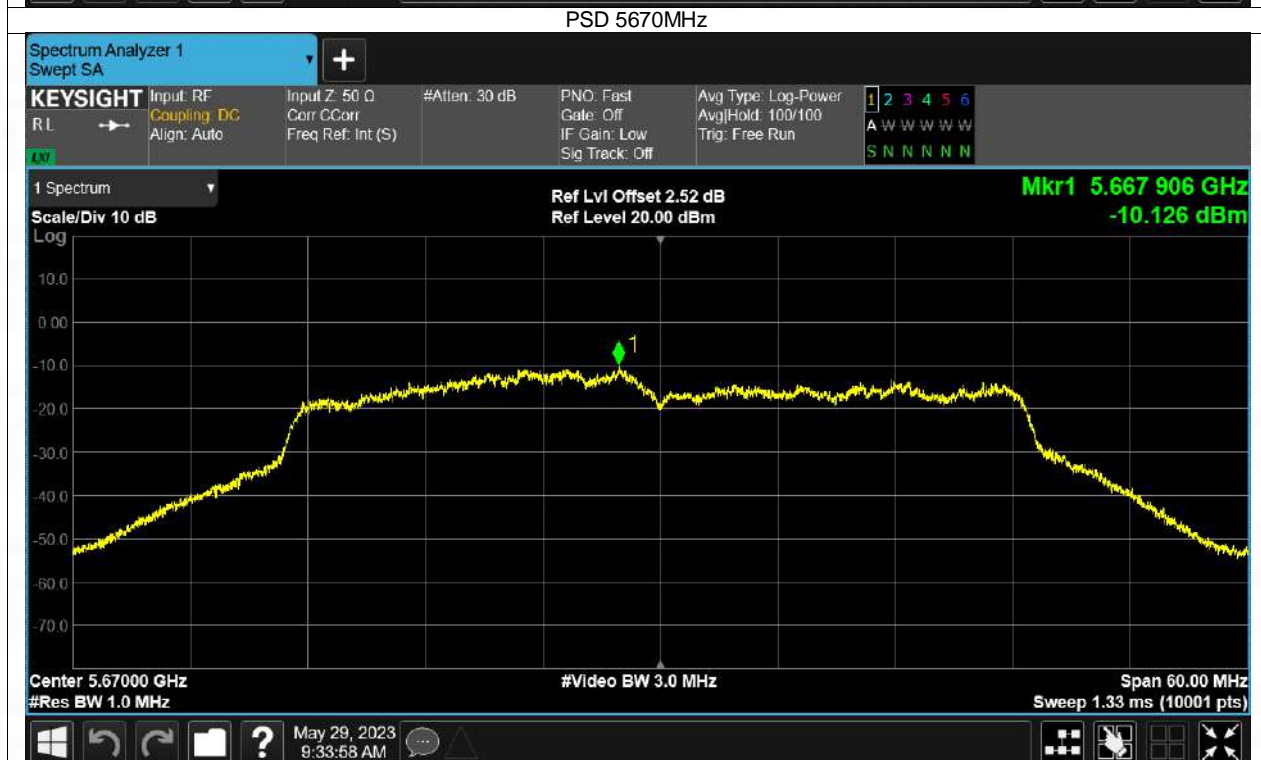
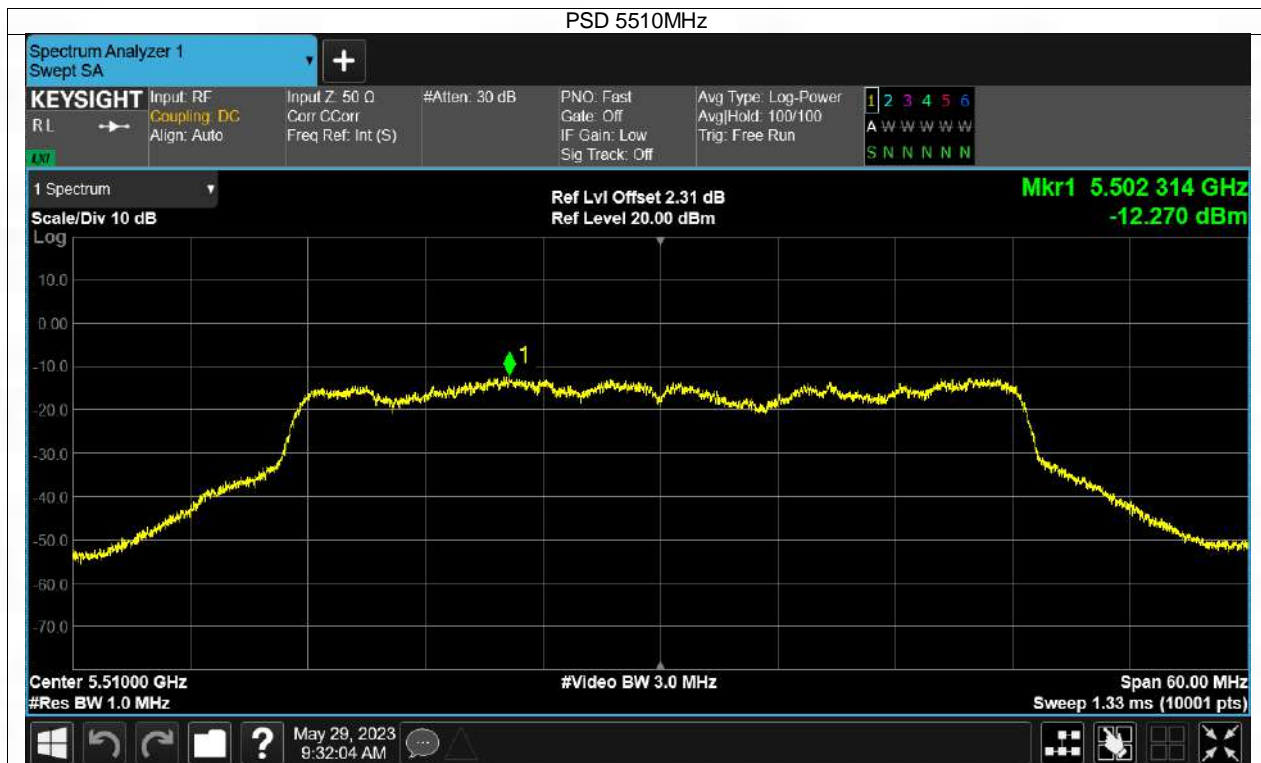




40MHz(IEEE 802.11 n/ac/ax)

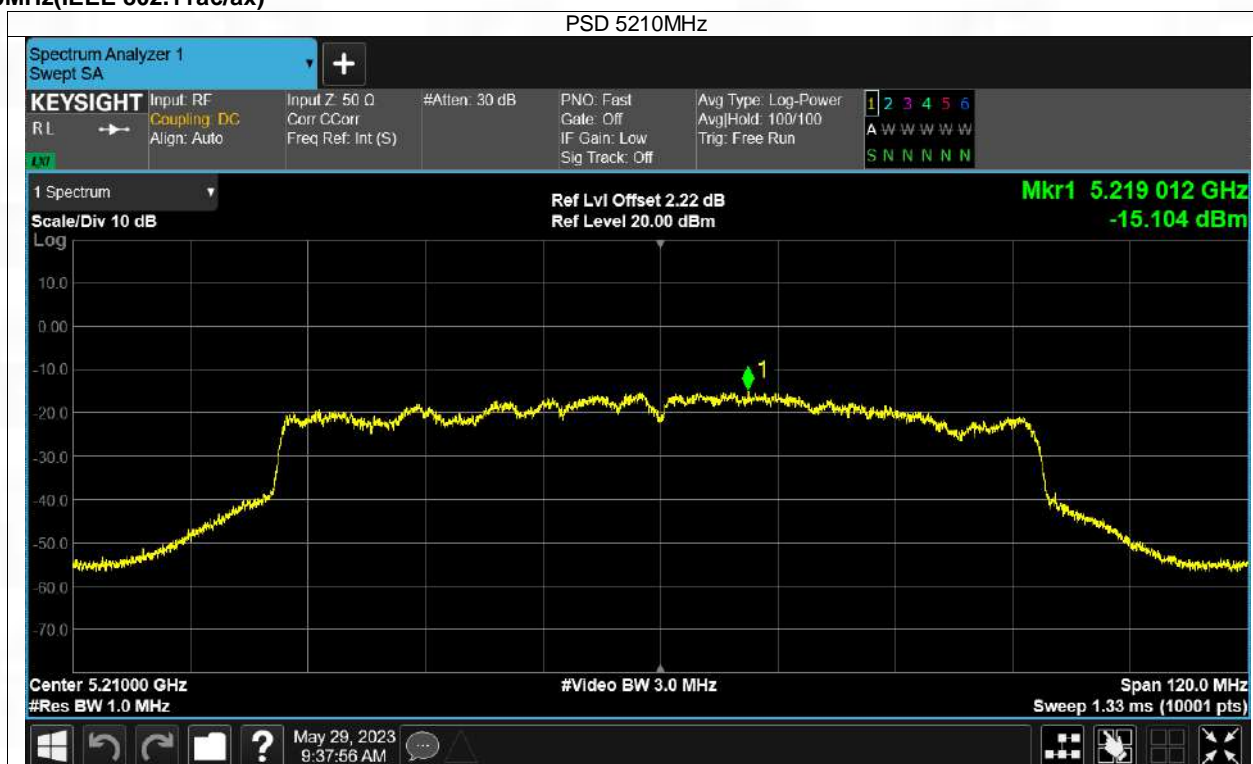


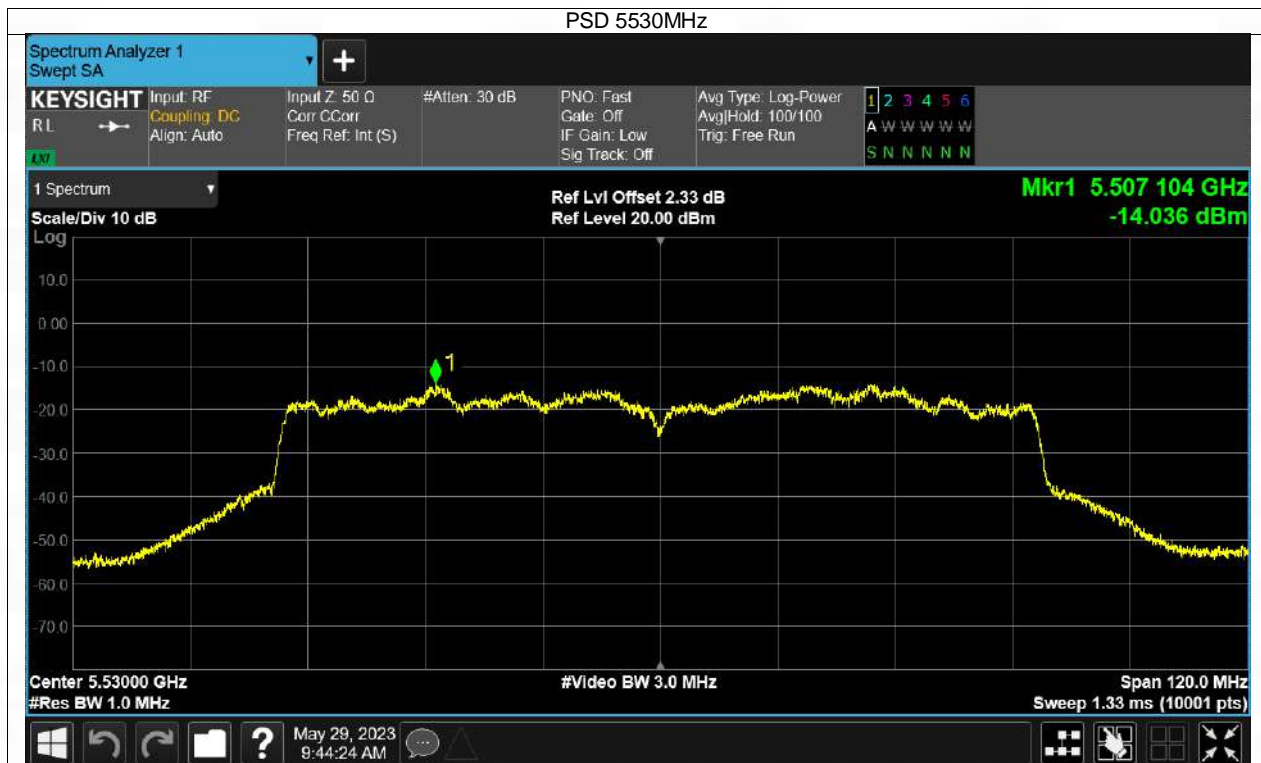






80MHz(IEEE 802.11ac/ax)







4. Frequency Stability

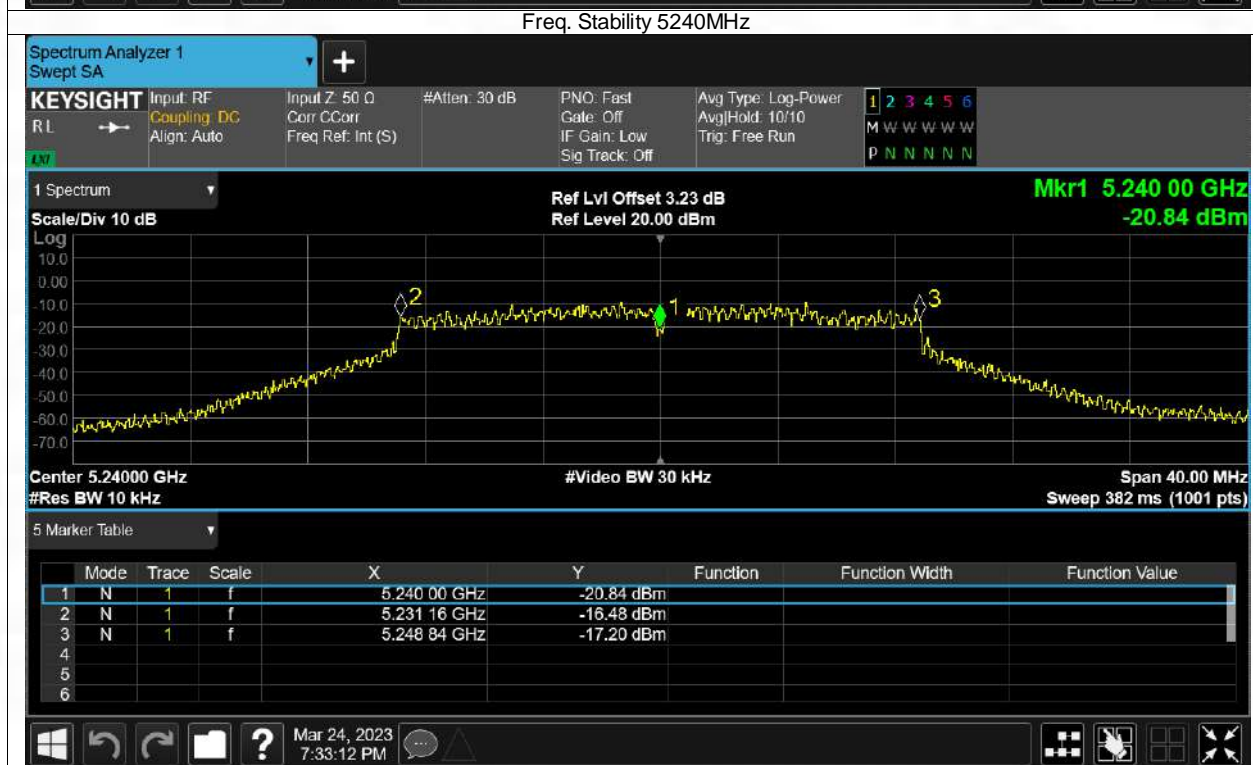
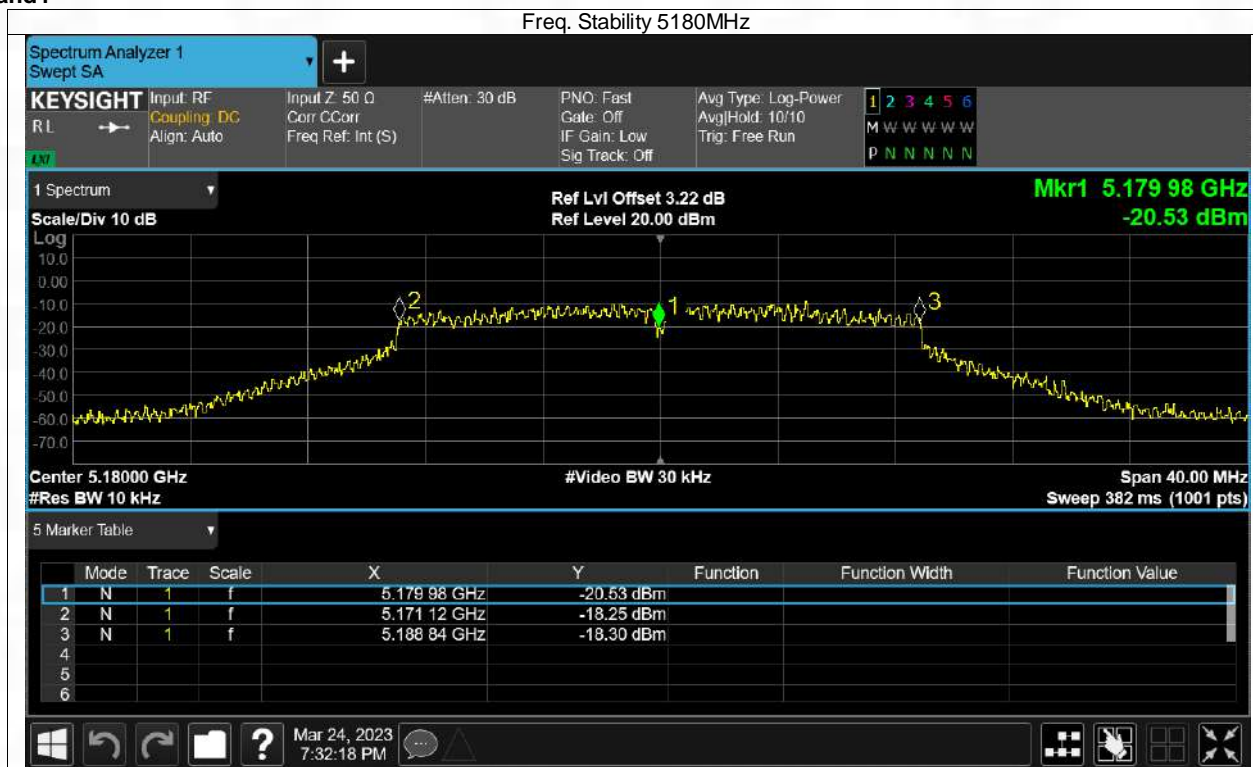
4.1 Ant1

4.1.1 Test Result

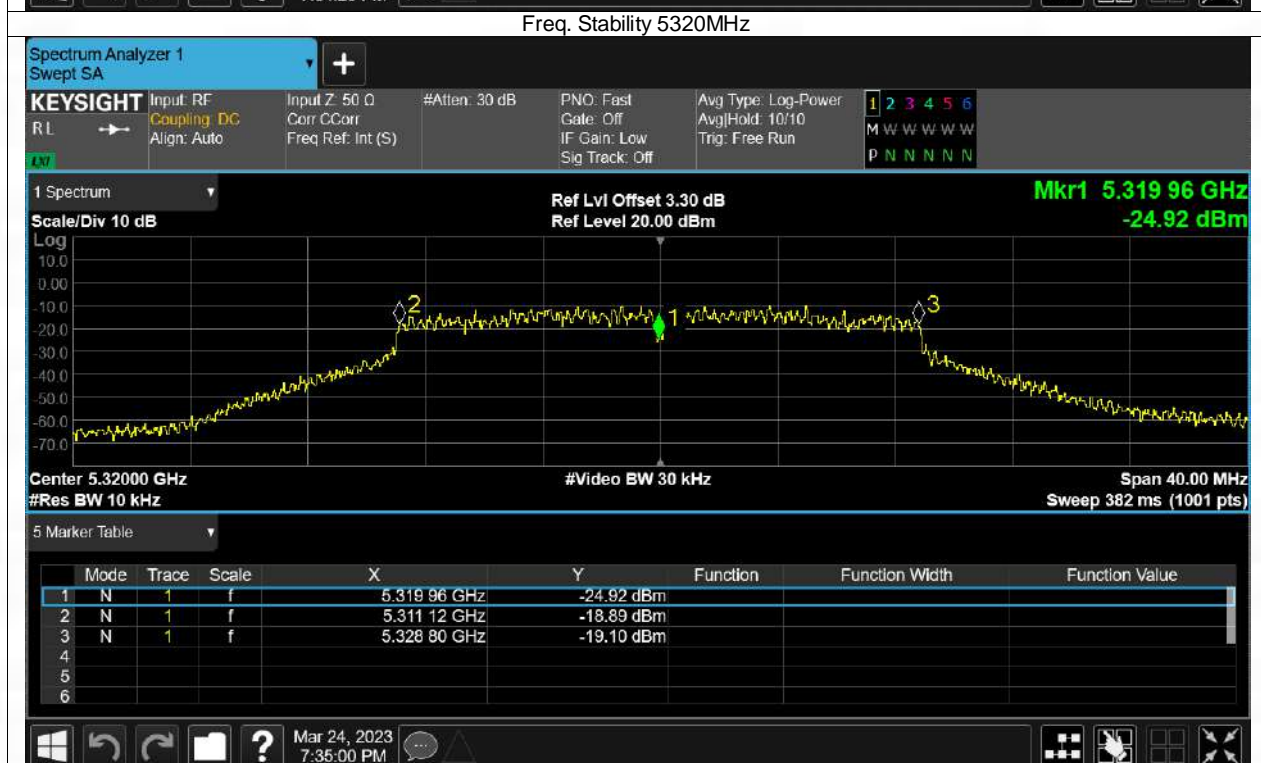
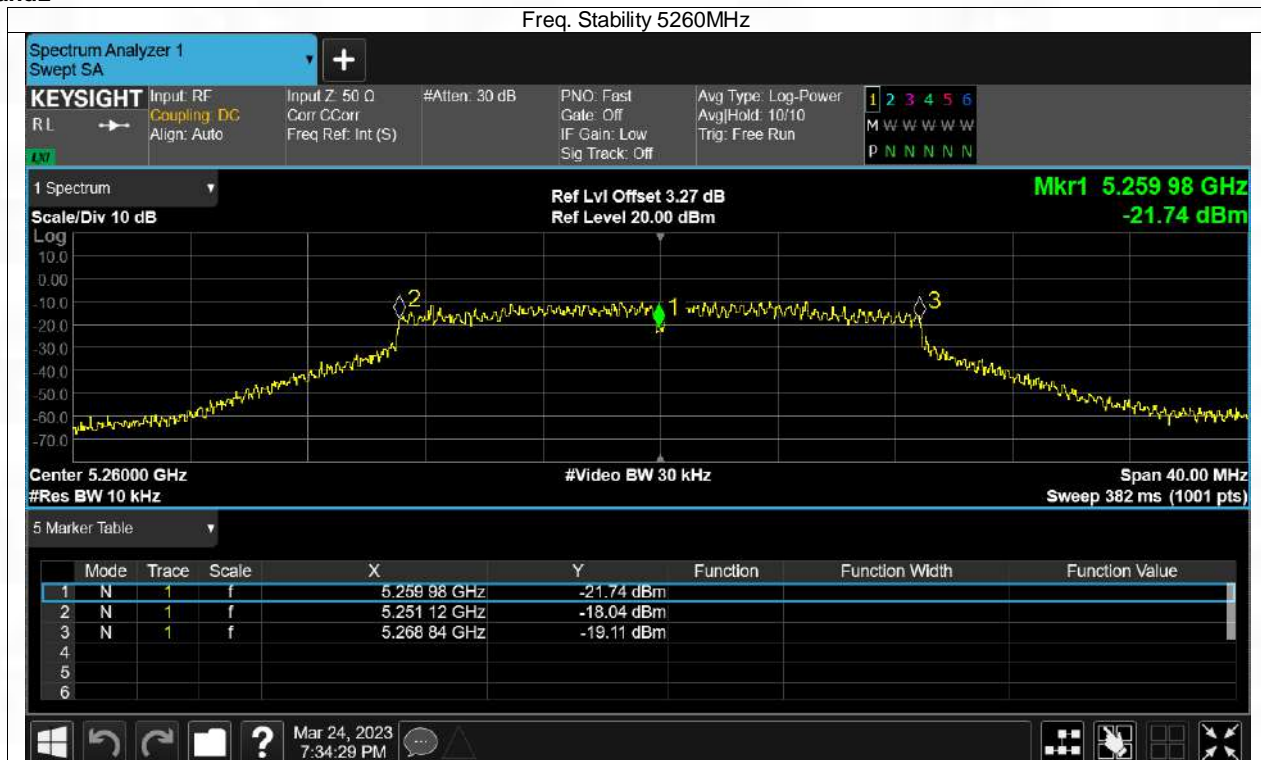
Band	Frequency (MHz)	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
20MHz(IEEE 802.11a/n/ac/ax)						
1	5180	5179.98	-20000	-3.86	25	Pass
	5240	5240	0	0	25	Pass
2	5260	5259.98	-20000	-3.8	25	Pass
	5320	5319.96	-40000	-7.52	25	Pass
3	5500	5499.94	-60000	-10.91	25	Pass
	5700	5699.96	-40000	-7.02	25	Pass
4	5745	5744.98	-20000	-3.48	25	Pass
	5825	5825	0	0	25	Pass
400MHz(IEEE 802.11n/ac/ax)						
1	5190	5189.96	-40000	-7.71	25	Pass
	5230	5230	0	0	25	Pass
2	5270	5269.96	-40000	-7.59	25	Pass
	5310	5309.96	-40000	-7.53	25	Pass
3	5510	5510	0	0	25	Pass
	5670	5669.96	-40000	-7.05	25	Pass
4	5755	5755	0	0	25	Pass
	5795	5795	0	0	25	Pass
80MHz(IEEE 802.11ac/ax)						
1	5210	5210	0	0	25	Pass
2	5290	5289.92	-80000	-15.12	25	Pass
3	5530	5529.92	-80000	-14.47	25	Pass
	5610	5609.92	-80000	-14.26	25	Pass
4	5775	5775	0	0	25	Pass

4.1.2 Test Graph

20MHz(IEEE 802.11a/n/ac/ax)
Band1



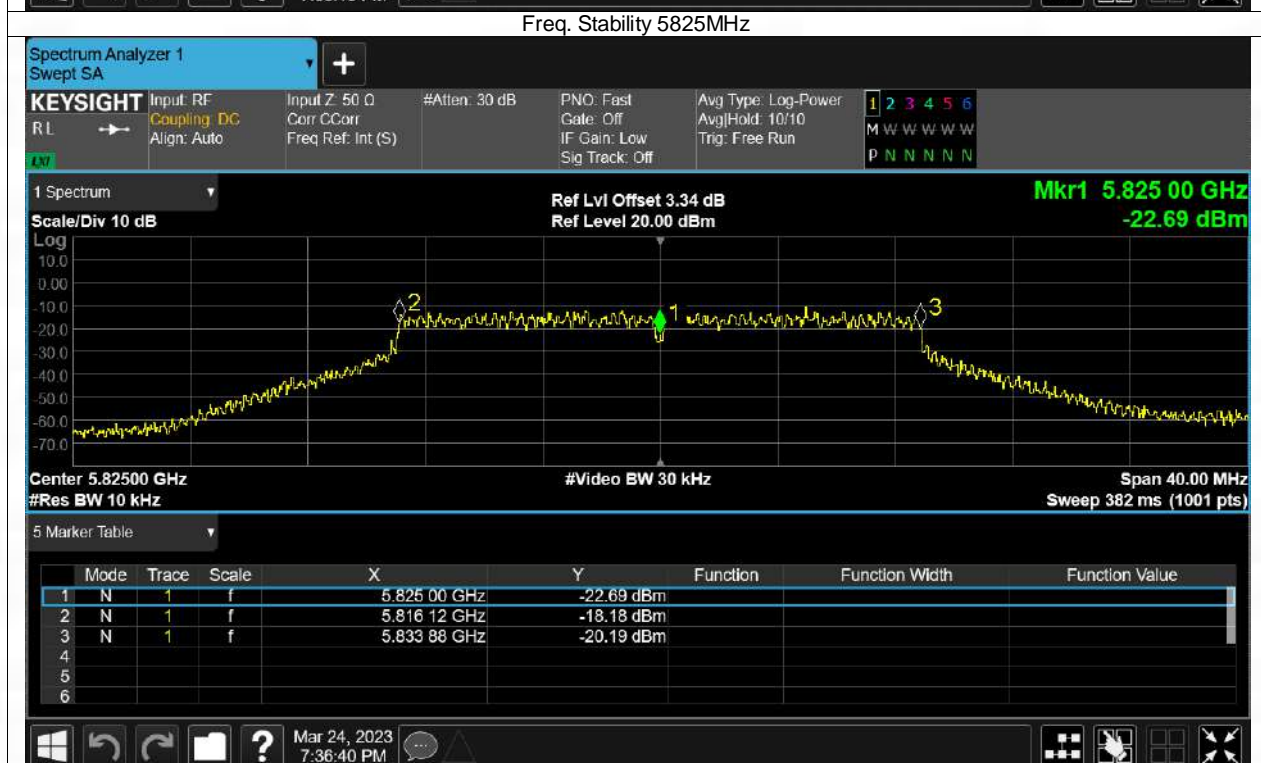
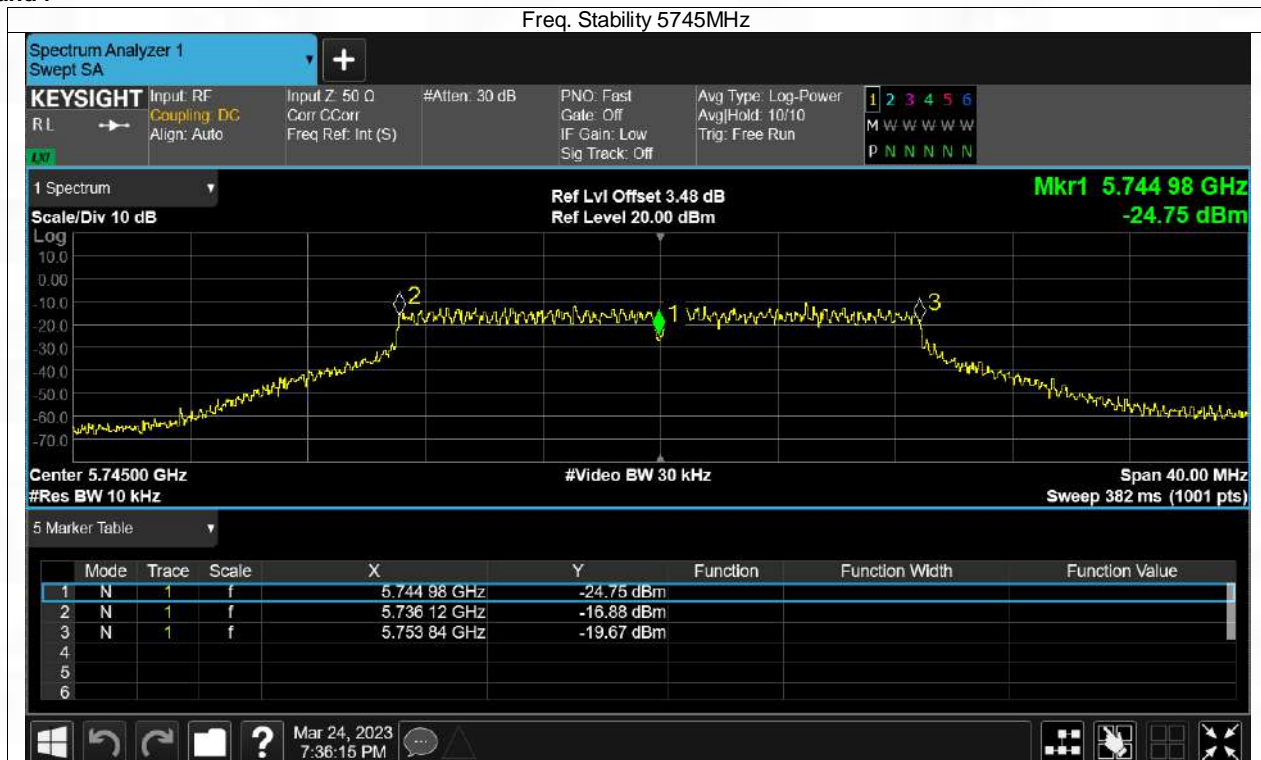
Band2



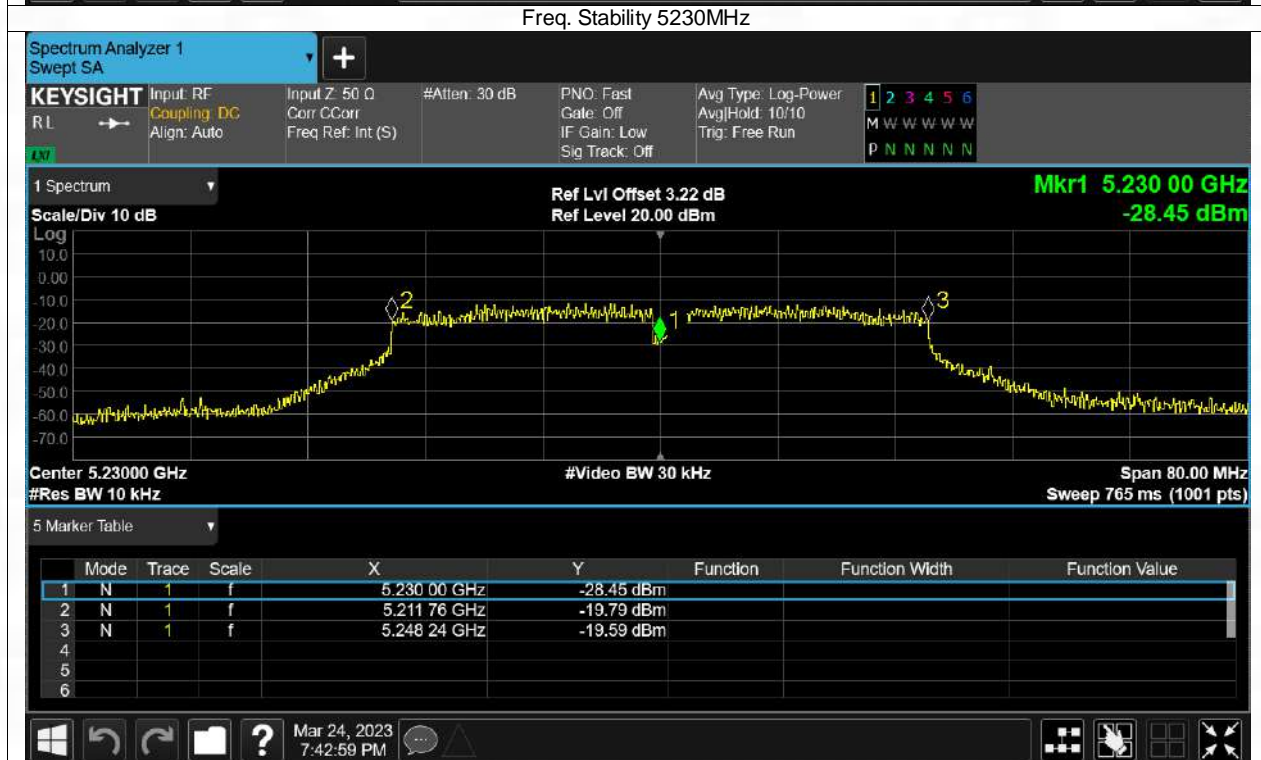
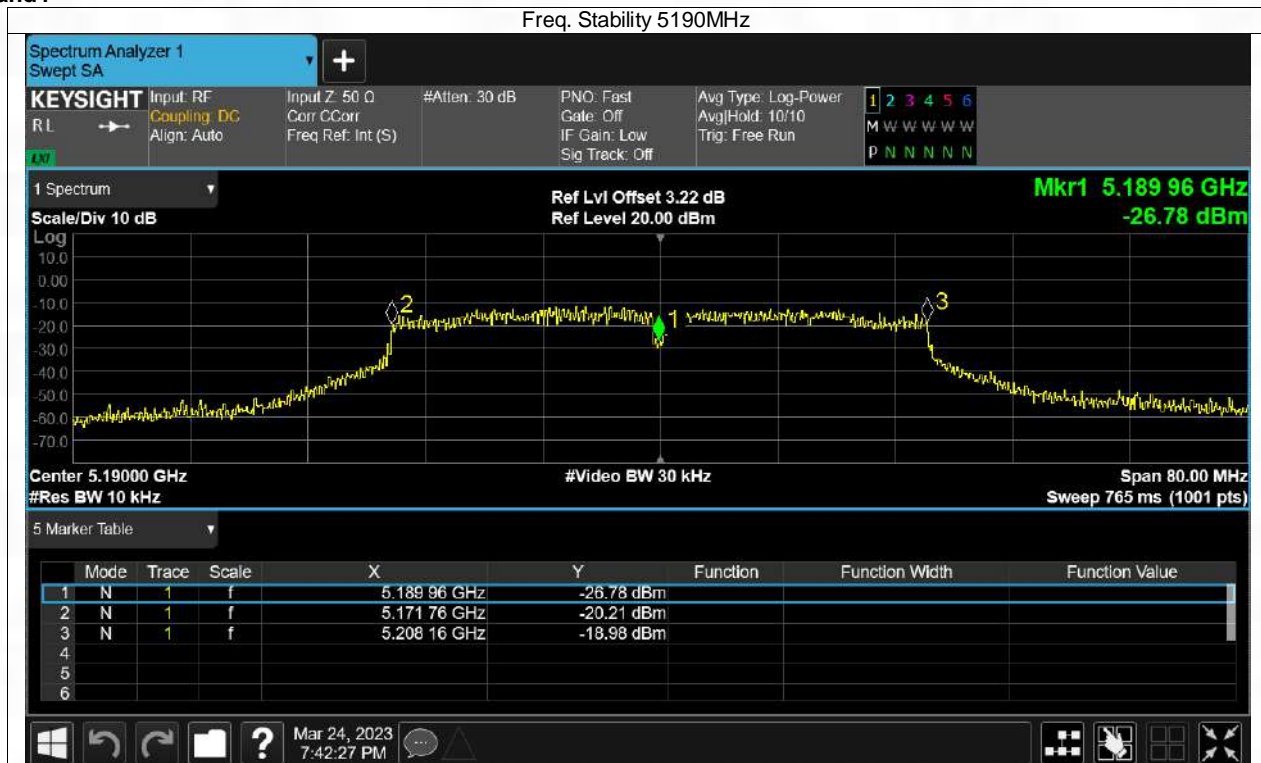
Band3



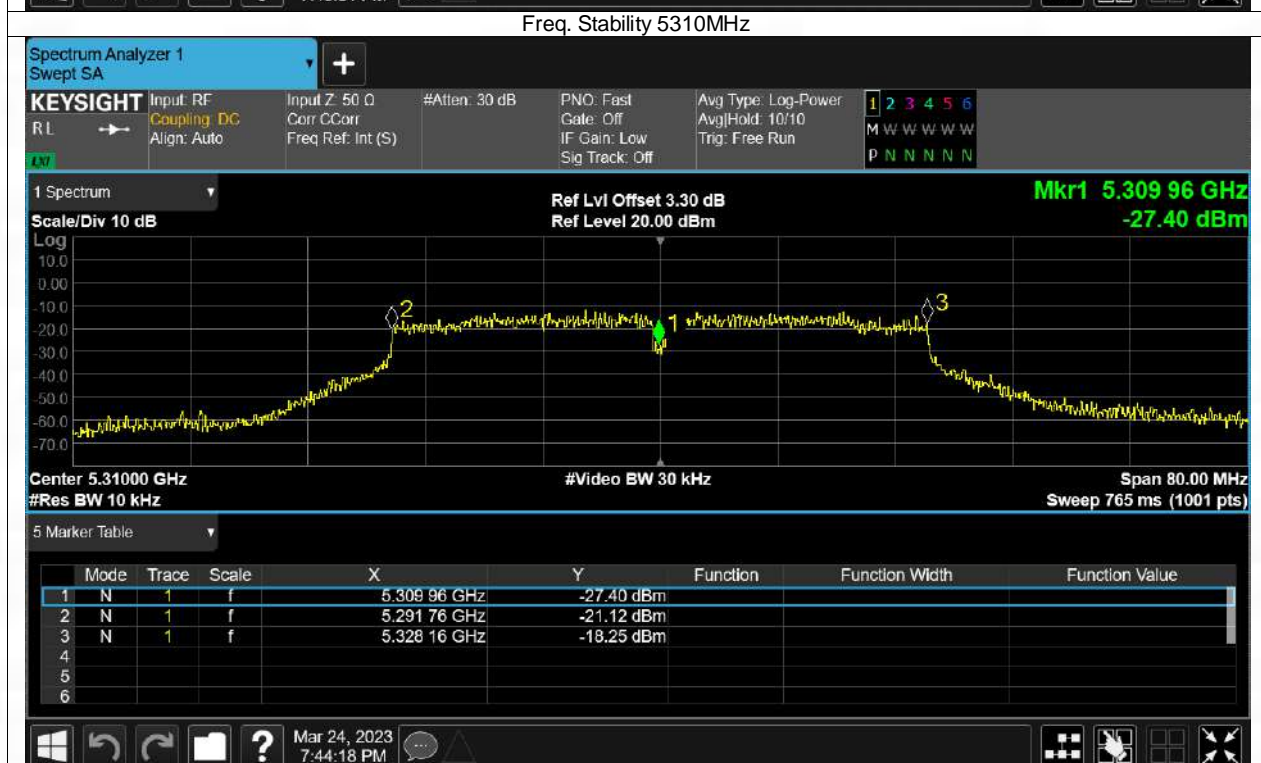
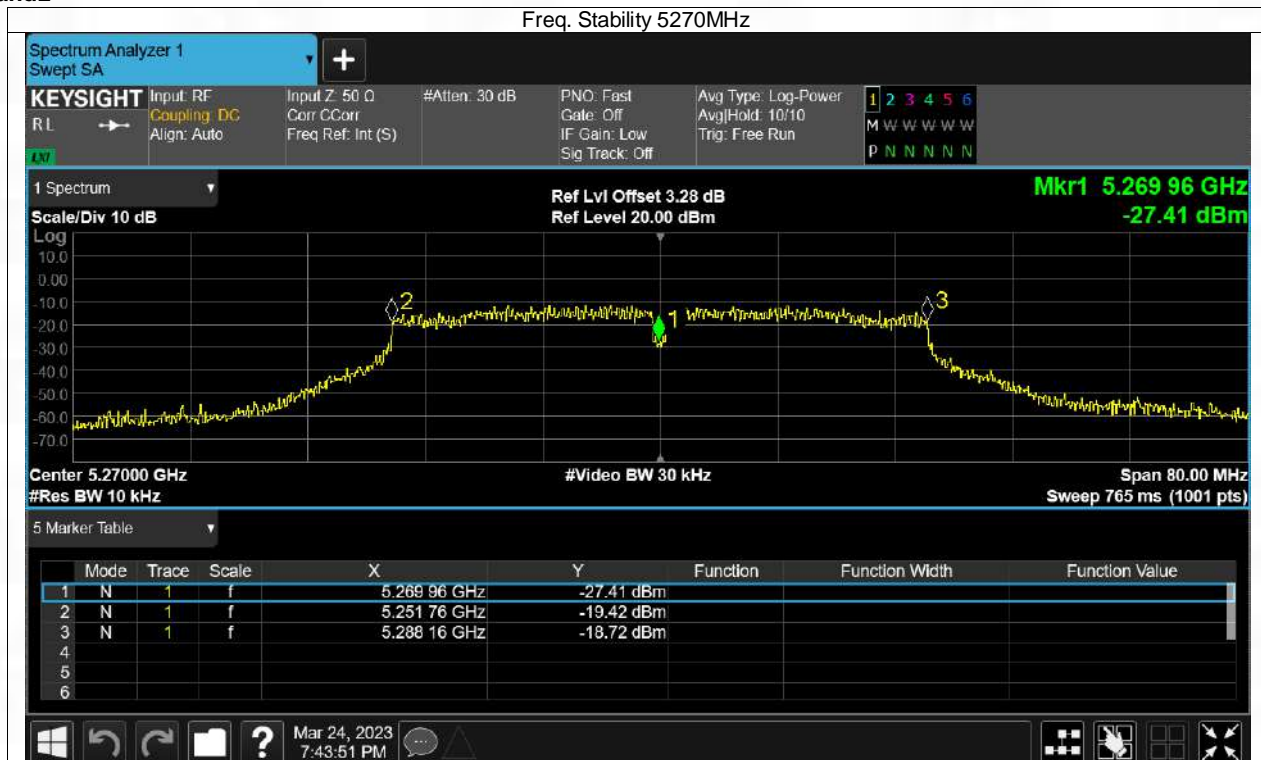
Band4



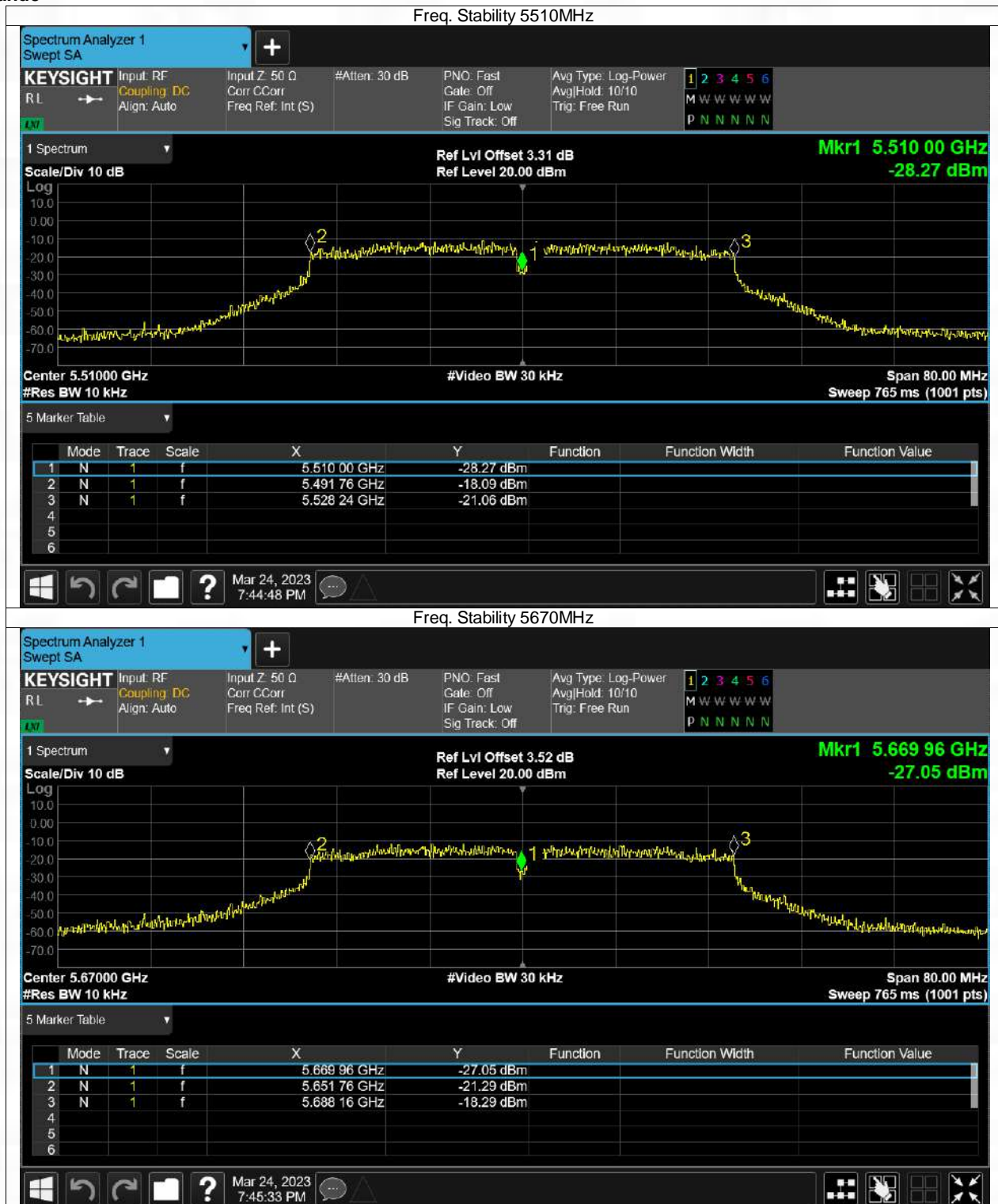
40MHz(IEEE 802.11 n/ac/ax)
Band1



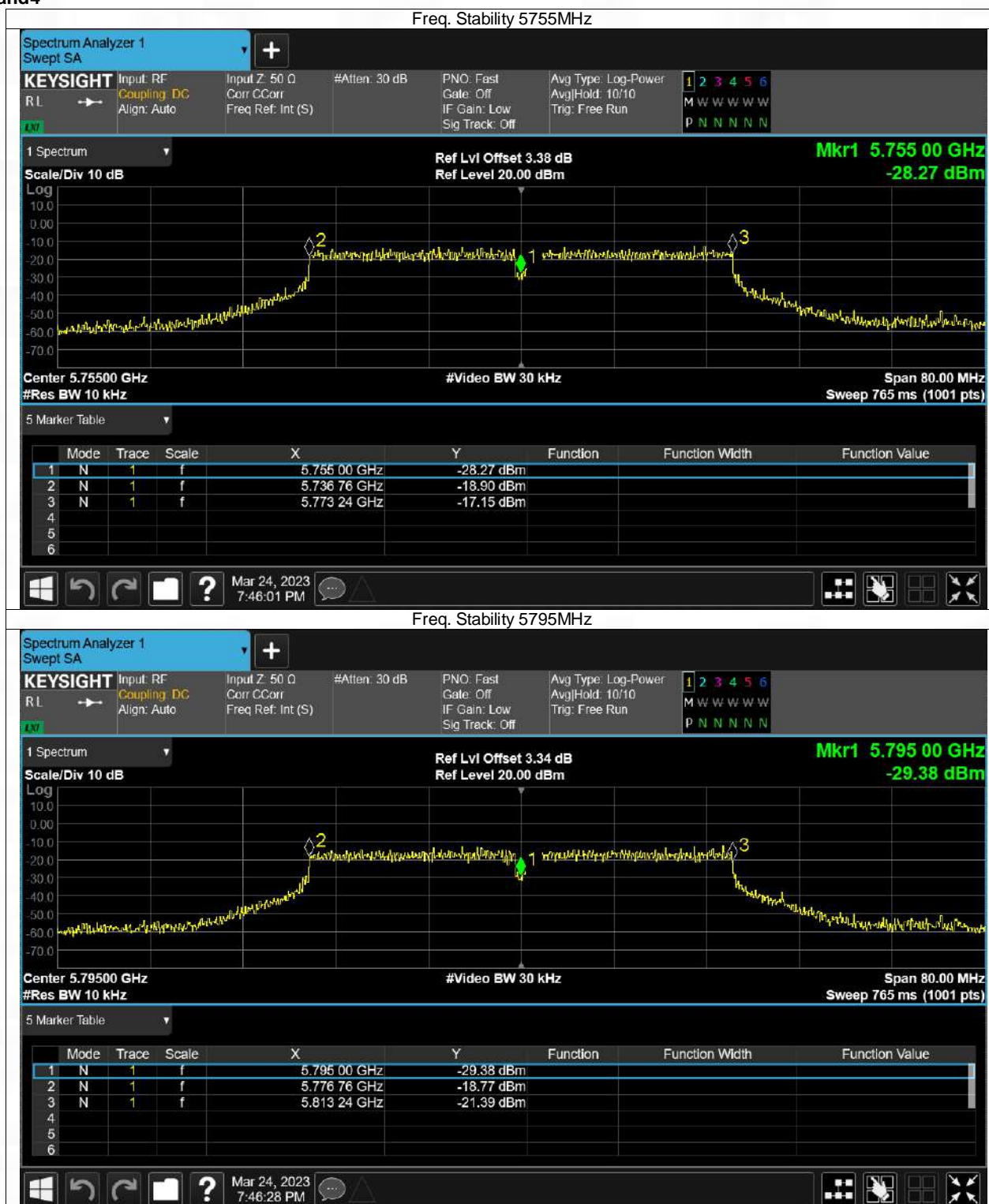
Band2



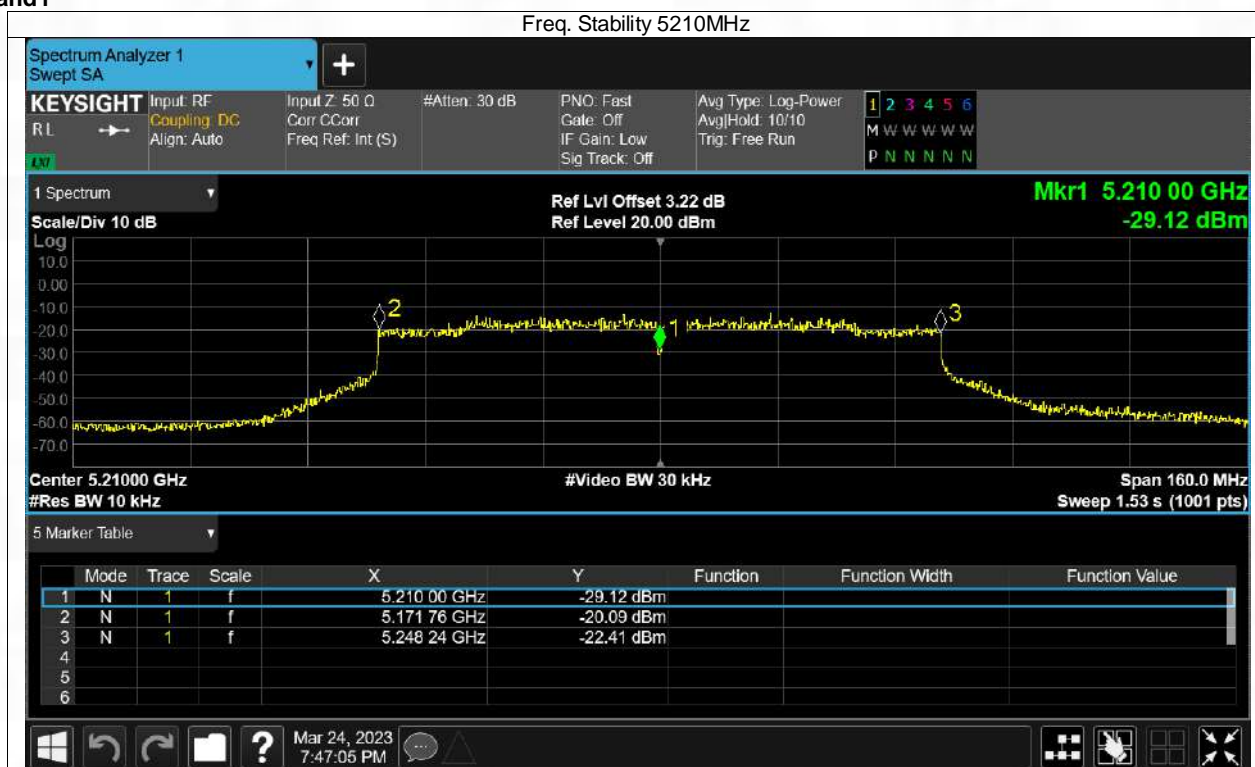
Band3



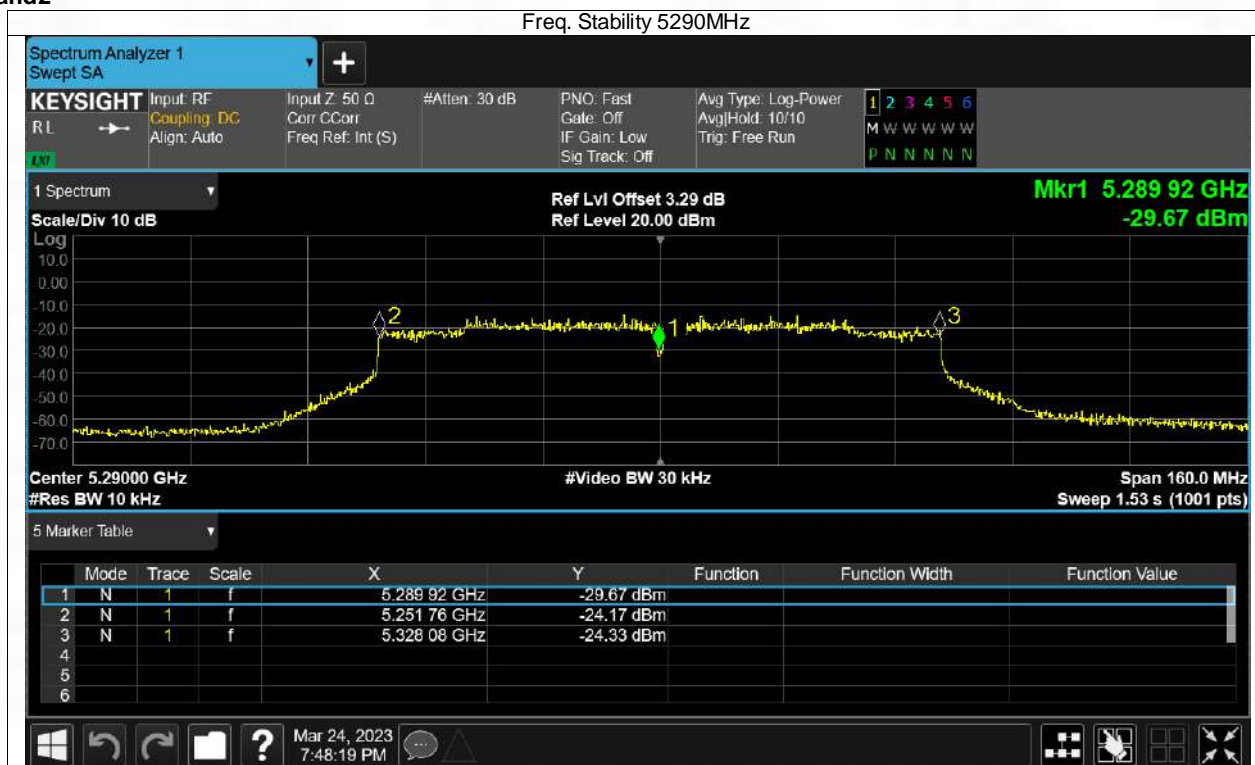
Band4



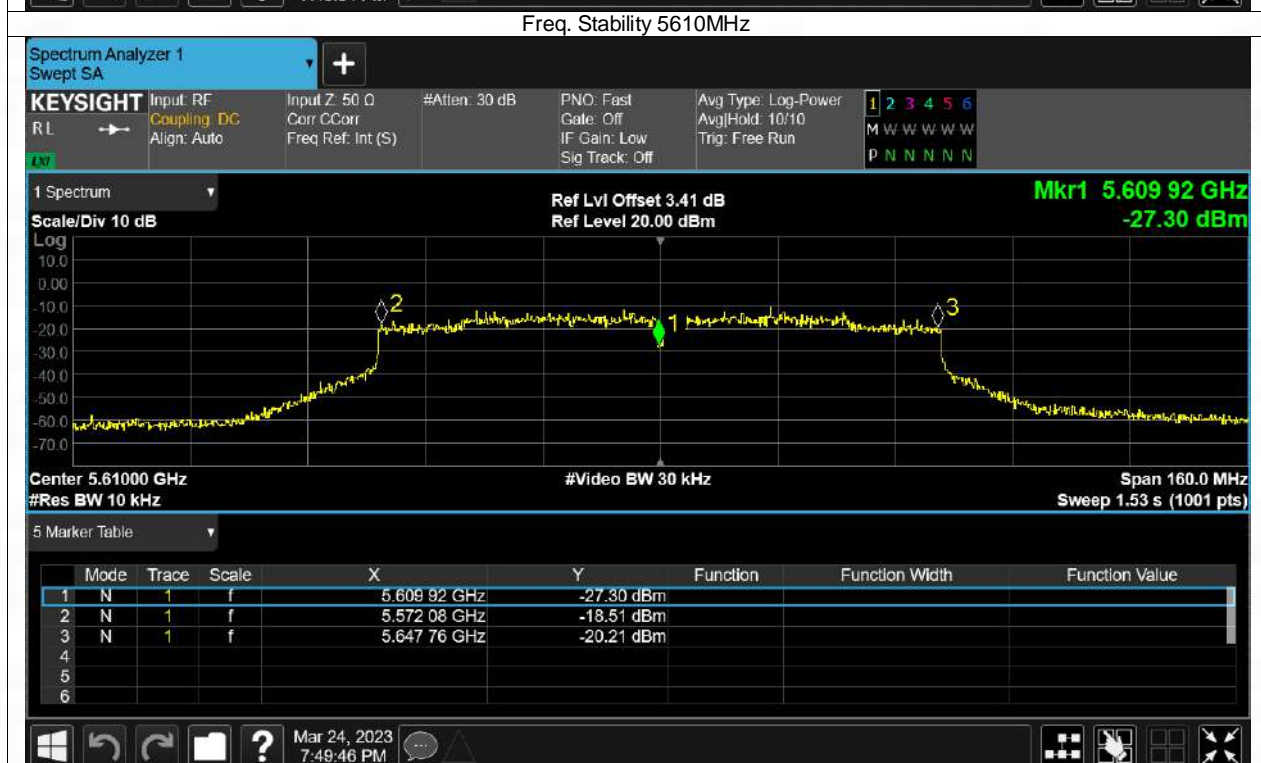
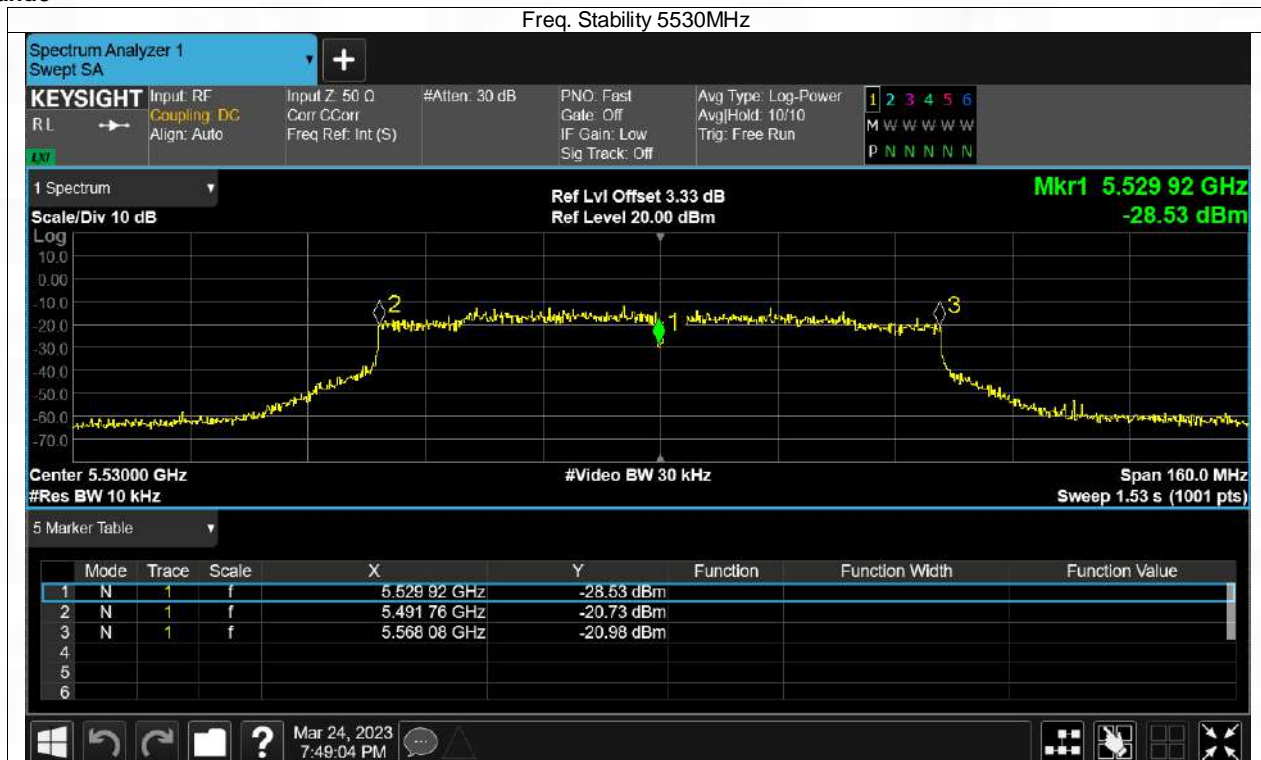
80MHz(IEEE 802.11ac/ax) Band1



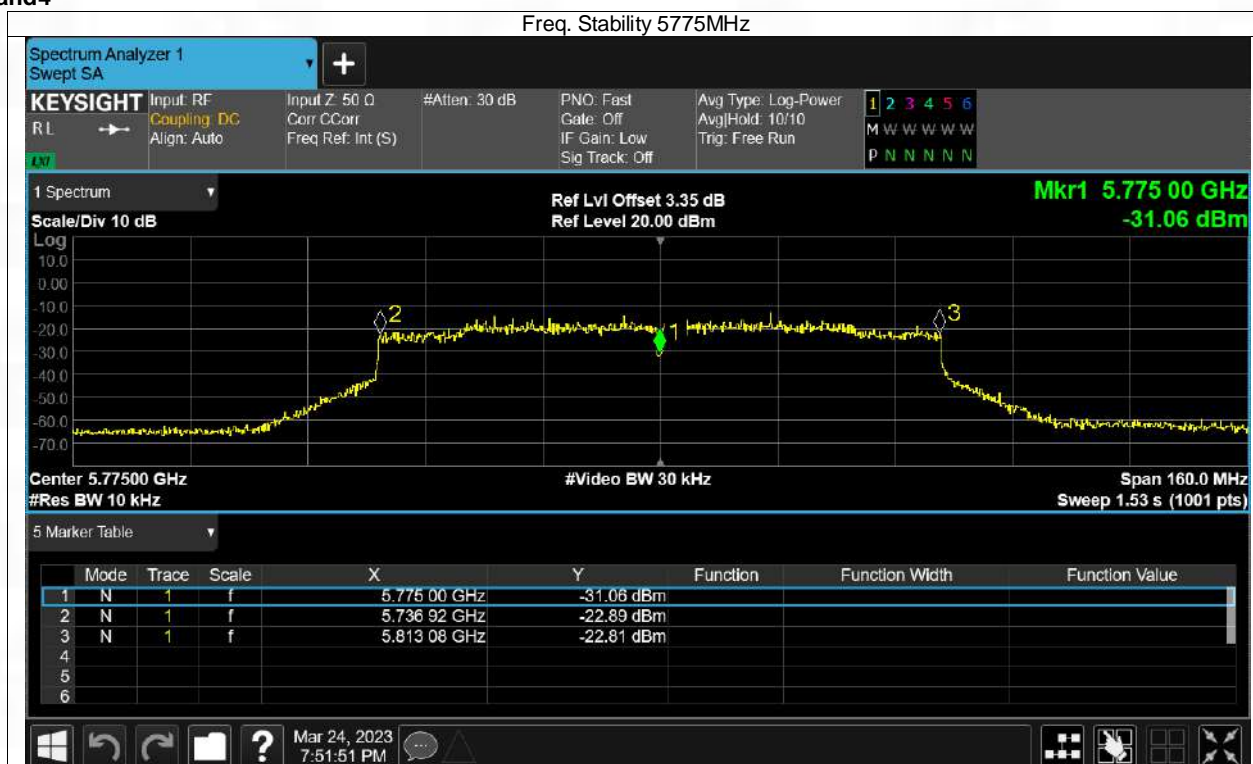
Band2



Band3



Band4





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-- END OF REPORT --