



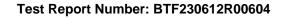
2. Maximum Conducted Output Power

2.1 Power

2.1.1 Test Result

MAIN Ant1

Band	Channel	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
		20MHz(IEEE 802.1	1a/n/ac/ax)-worst		
	Low	5180	10.68	24	Pass
1	High	5240	11.85	24	Pass
0	Low	5260	12.15	24	Pass
2	High	5320	10.29	24	Pass
0	Low	5500	10.17	24	Pass
3	High	5700	9.97	24	Pass
4	Low	5745	12.51	30	Pass
4	High	5825	12.32	30	Pass
		40MHz(IEEE 802.	11n/ac/ax)-worst		
4	Low	5190	7.96	24	Pass
1	High	5230	12.25	24	Pass
0	Low	5270	12.27	24	Pass
2	High	5310	10.11	24	Pass
0	Low	5510	9.41	24	Pass
3	High	5670	12.42	24	Pass
	Low	5755	12.57	30	Pass
4	High	5795	12.55	30	Pass
		80MHz(IEEE 802	2.11ac/ax)-worst		
1	Low	5210	10.19	24	Pass
2	Low	5290	9.83	24	Pass
0	Low	5530	9.88	24	Pass
3	High	5610	12.16	24	Pass
4	Low	5775	12.06	30	Pass
	de la companya de la	160MHz(IEEE 8	02.11ax)-worst	I .	
1	Low	5250	7.39	24	Pass
3	High	5570	6.91	24	Pass



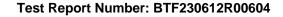


AUX Ant2

Band	Channel	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdict
			1a/n/ac/ax)-worst		
, 1	Low	5180	6.84	24	Pass
1	High	5240	7.17	24	Pass
0	Low	5260	9	24	Pass
2	High	5320	7.08	24	Pass
0	Low	5500	5.74	24	Pass
3	High	5700	6.79	24	Pass
,	Low	5745	9.03	30	Pass
4	High	5825	8.57	30	Pass
		40MHz(IEEE 802.	11n/ac/ax)-worst		
4	Low	5190	5.36	24	Pass
1	High	5230	9.65	24	Pass
0	Low	5270	9.25	24	Pass
2	High	5310	6.96	24	Pass
0	Low	5510	6.45	24	Pass
3	High	5670	9.13	24	Pass
	Low	5755	9.09	30	Pass
4	High	5795	8.97	30	Pass
		80MHz(IEEE 802	2.11ac/ax)-worst		
1	Low	5210	7.56	24	Pass
2	Low	5290	6.91	24	Pass
	Low	5530	6.36	24	Pass
3	High	5610	9	24	Pass
4	Low	5775	9.23	30	Pass
	•	160MHz(IEEE 8	02.11ax)-worst		
1	Low	5250	6.6	24	Pass
3	High	5570	7.3	24	Pass

MiMO Mode

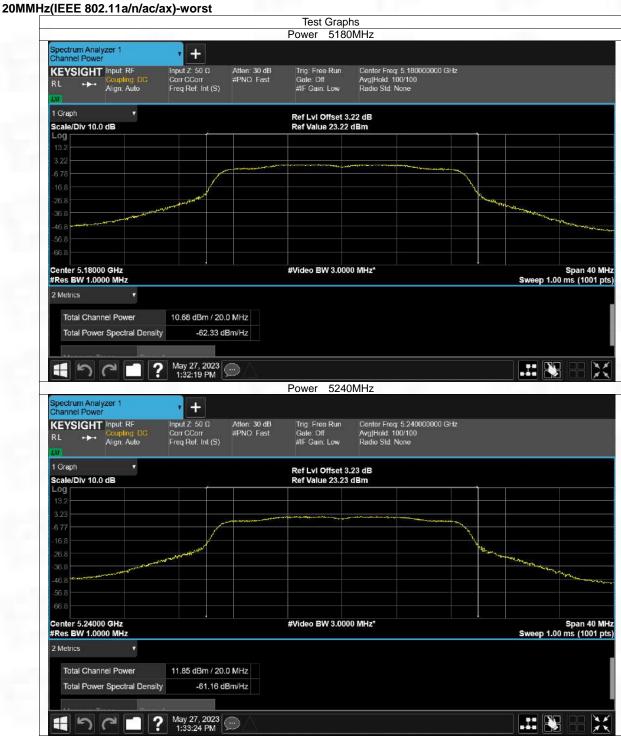
Band	Channel	Frequency (MHz)	Total Power (dBm)	Limit (dBm)	Verdic
		20MHz(IEEE 802.	11n/ac/ax)-worst		
4	Low	5180	12.18	24	Pass
1	High	5240	13.12	24	Pass
2	Low	5260	13.86	24	Pass
2	High	5320	11.99	24	Pass
_	Low	5500	11.51	24	Pass
3	High	5700	11.68	24	Pass
4	Low	5745	14.12	30	Pass
4	High	5825	13.85	30	Pass
		40MHz(IEEE 802.	11n/ac/ax)-worst		
	Low	5190	9.86	24	Pass
1	High	5230	14.15	24	Pass
0	Low	5270	14.03	24	Pass
2	High	5310	11.82	24	Pass
_	Low	5510	11.19	24	Pass
3	High	5670	14.09	24	Pass
4	Low	5755	14.18	30	Pass
	High	5795	14.13	30	Pass
		80MHz(IEEE 802	2.11ac/ax)-worst		
1	Low	5210	12.08	24	Pass
2	Low	5290	11.62	24	Pass
	Low	5530	11.48	24	Pass
3	High	5610	13.87	24	Pass
4	Low	5775	13.88	30	Pass
	1	160MHz(IEEE 8	02.11ax)-worst	ı	
1	Low	5250	10.02	24	Pass
3	High	5570	10.12	24	Pass



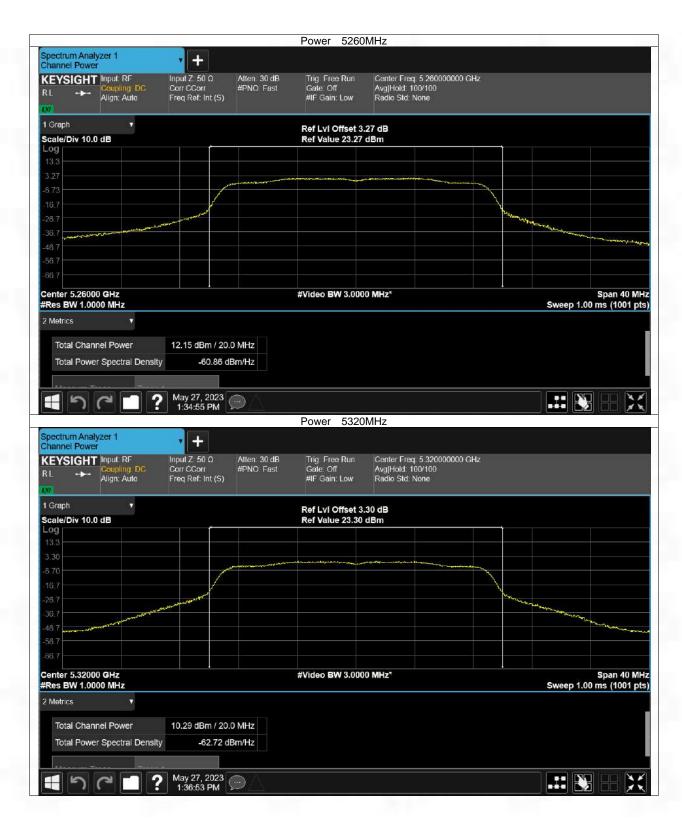


2.1.2 Test Graph

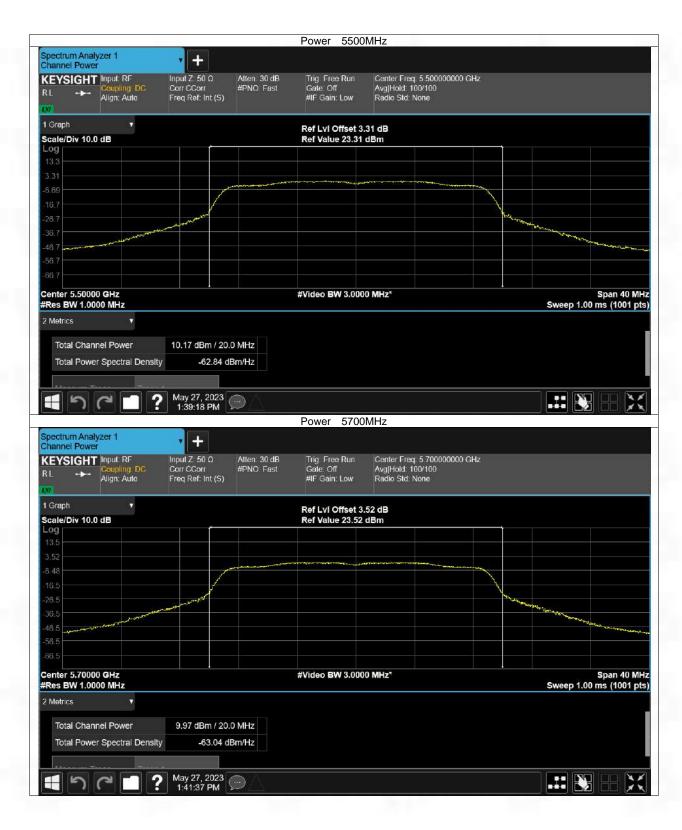
MAIN Ant1



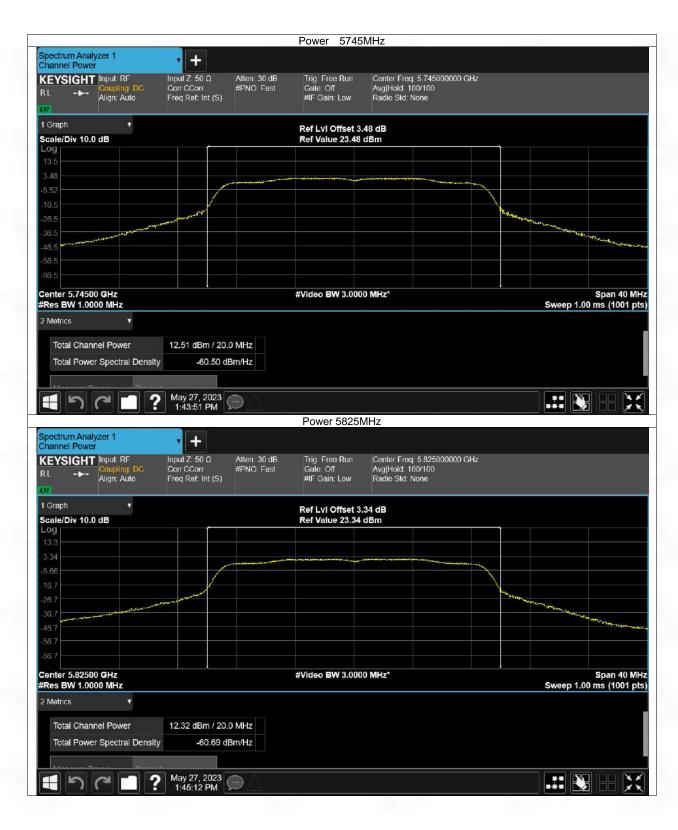




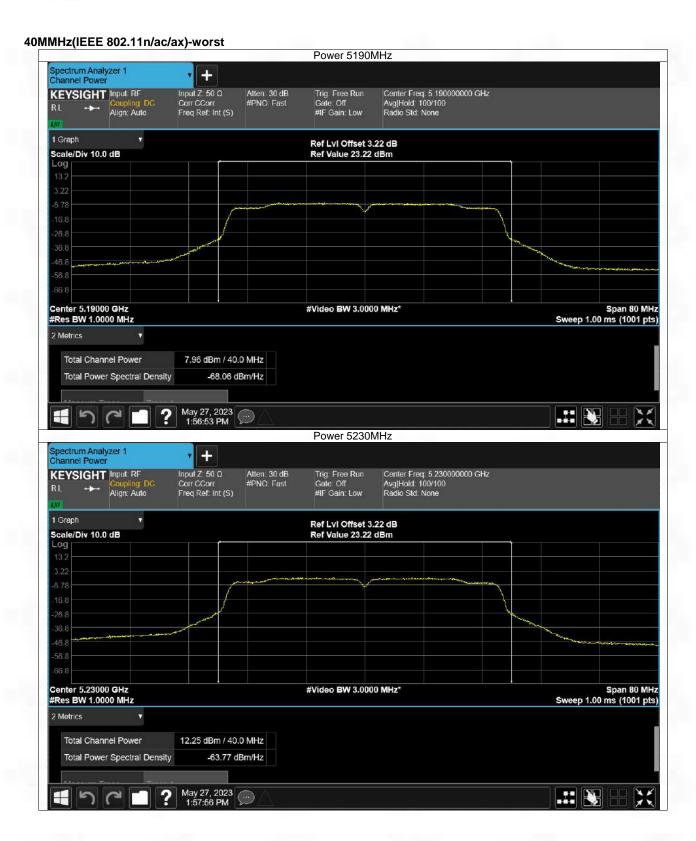












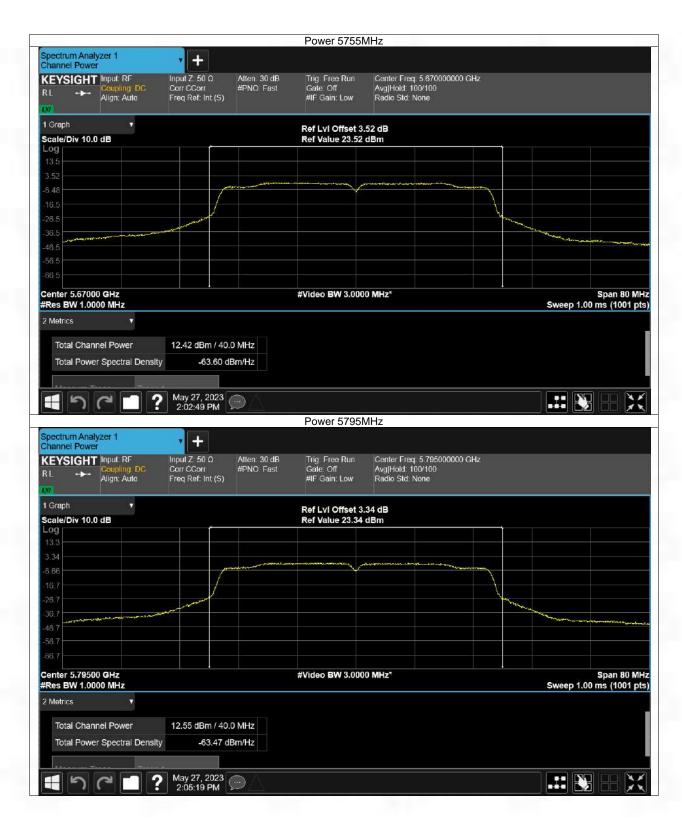


















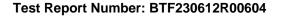










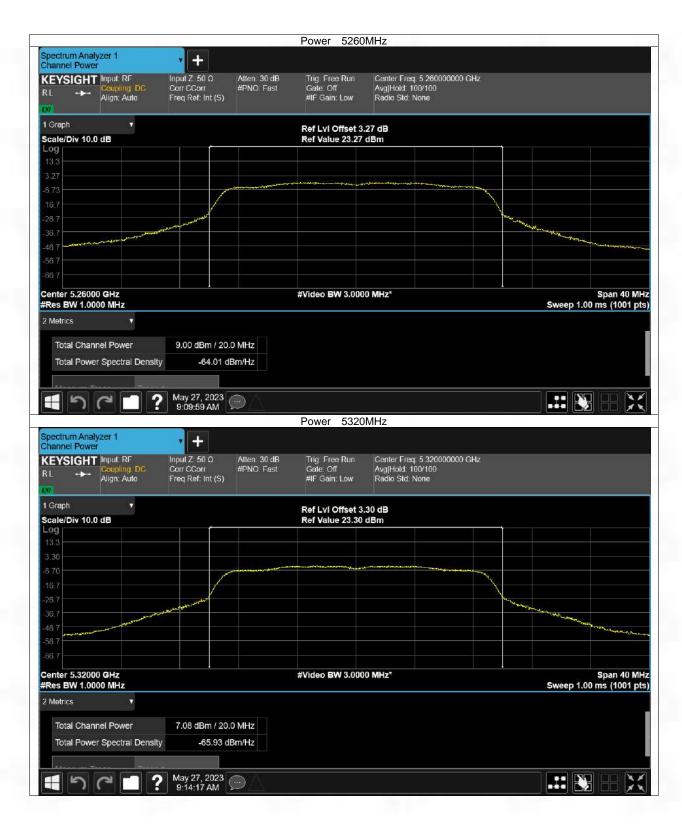




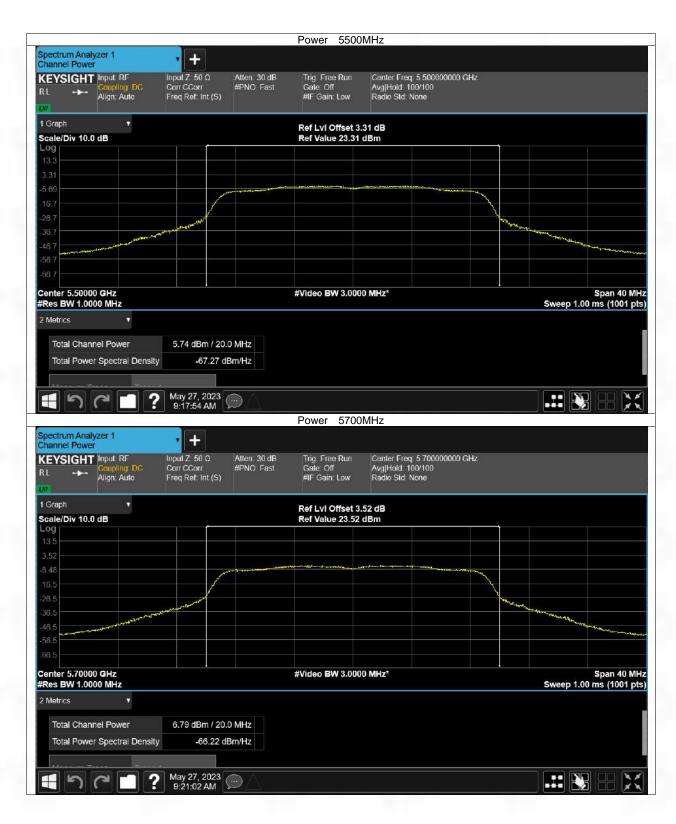
AUX Ant2



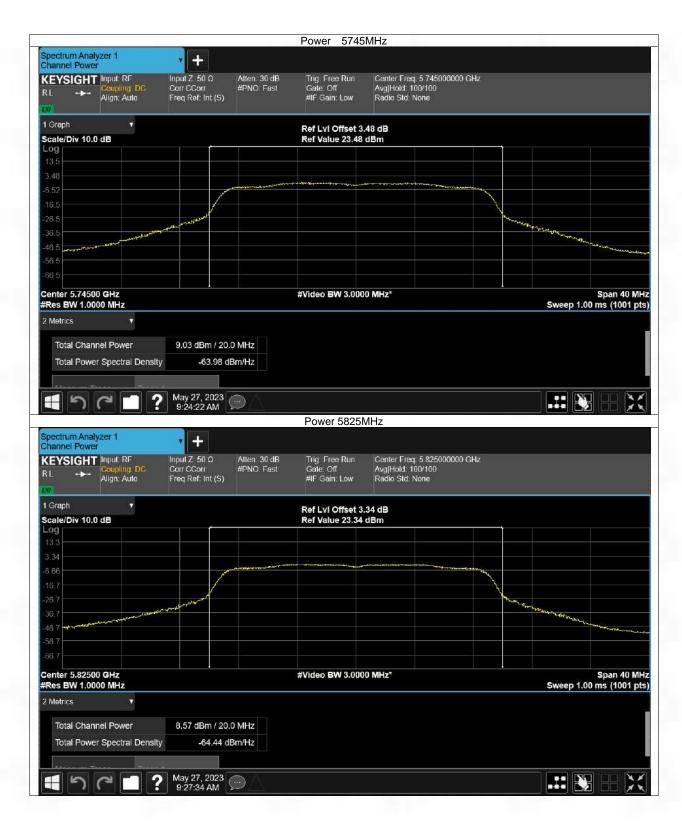








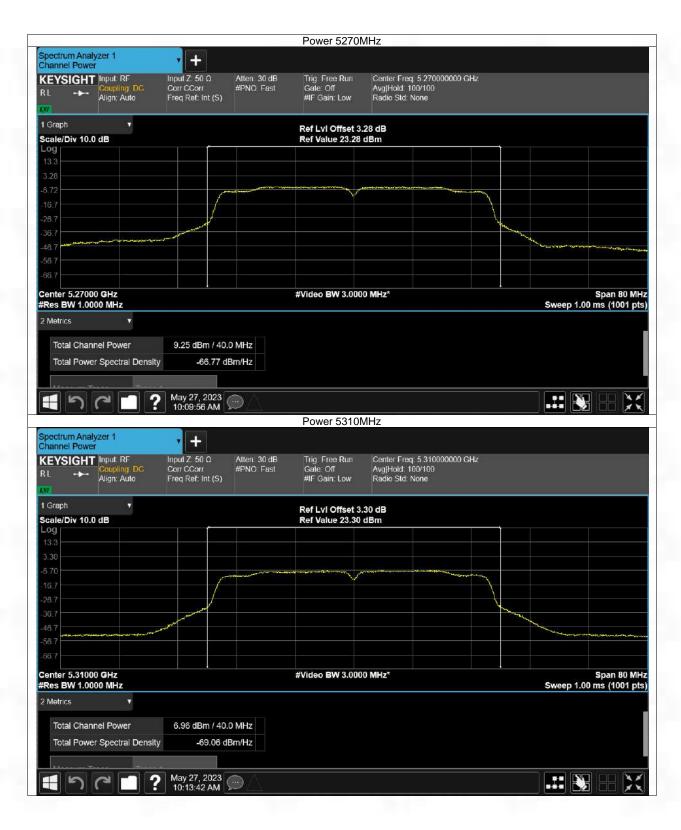




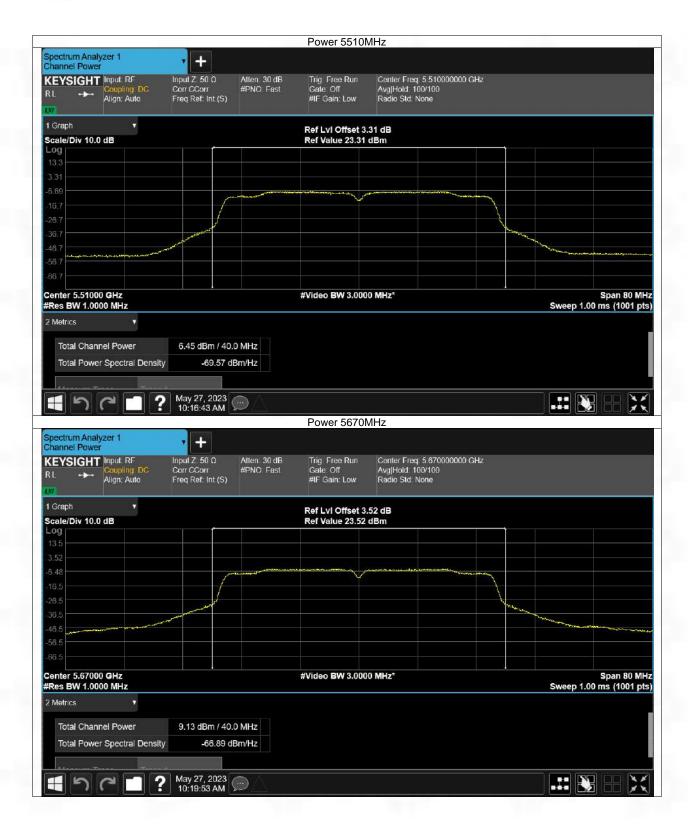




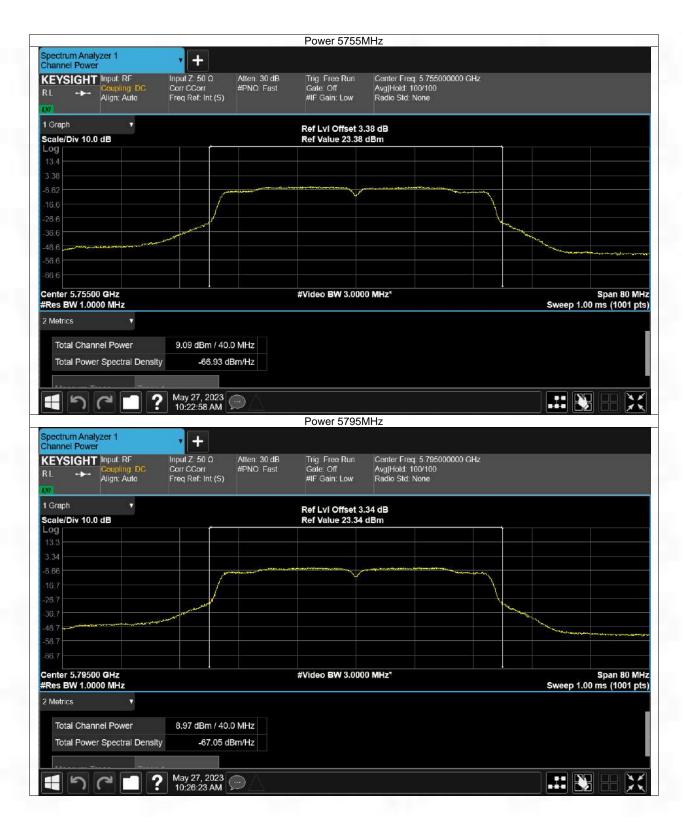


















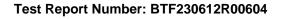














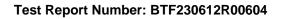
3. Maximum Power Spectral Density

3.1 PSD

3.1.1 Test Result

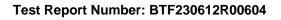
MAIN Ant1

WAIN AILL							
Band	Channel	Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Verdict		
		20MHz(IEEE 802.1	1a/n/ac/ax)-worst				
1	Low	5180	-2.19	11	Pass		
	High	5240	-1.52	11	Pass		
2	Low	5260	-1.29	11	Pass		
2	High	5320	-2.83	11	Pass		
2	Low	5500	-2.91	11	Pass		
3	High	5700	-2.45	11	Pass		
	Low	5745	-3.72	30	Pass		
4	High	5825	-4.21	30	Pass		
		40MHz(IEEE 802.	11n/ac/ax)-worst				
1	Low	5190	-12.48	11	Pass		
	High	5230	-9.16	11	Pass		
2	Low	5270	-7.21	11	Pass		
2	High	5310	-10.26	11	Pass		
3	Low	5510	-11.56	11	Pass		
3	High	5670	-8.74	11	Pass		
4	Low	5755	-10.5	30	Pass		
4	High	5795	-10	30	Pass		
		80MHz(IEEE 802	.11ac/ax)-worst				
1	Low	5210	-9.44	11	Pass		
2	Low	5290	-9.5	11	Pass		
3	Low	5530	-9.95	11	Pass		
3	High	5610	-7.05	11	Pass		
4	Low	5775	-10.05	30	Pass		
		160MHz(IEEE 8	02.11ax)-worst				
1	Low	5250	-43.4	11	Pass		
3	High	5570	-43.11	11	Pass		



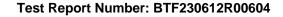


AUX Antenna						
Band	Channel	Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Verdict	
		20MHz(IEEE 802.1	1a/n/ac/ax)-worst			
1	Low	5180	-10.95	11	Pass	
	High	5240	-8.93	11	Pass	
2	Low	5260	-9.87	11	Pass	
2	High	5320	-10.29	11	Pass	
3	Low	5500	-11.93	11	Pass	
3	High	5700	-11.34	11	Pass	
4	Low	5745	-10.81	30	Pass	
4	High	5825	-9.77	30	Pass	
		40MHz(IEEE 802.	11n/ac/ax)-worst			
1	Low	5190	-14.04	11	Pass	
1	High	5230	-9.12	11	Pass	
2	Low	5270	-9.9	11	Pass	
2	High	5310	-11.97	11	Pass	
3	Low	5510	-12.81	11	Pass	
3	High	5670	-11.64	11	Pass	
4	Low	5755	-13.19	30	Pass	
4	High	5795	-14.92	30	Pass	
		80MHz(IEEE 802	.11ac/ax)-worst			
1	Low	5210	-15.46	11	Pass	
2	Low	5290	-15.09	11	Pass	
2	Low	5530	-16.41	11	Pass	
3	High	5610	-13.12	11	Pass	
4	Low	5775	-16.26	30	Pass	
		160MHz(IEEE 8		•		
1	Low	5250	-44.22	11	Pass	
3	High	5570	-43.82	11	Pass	





MIMO Mode						
Band	Channel	Frequency (MHz)	Total PSD (dBm)	Limit (dBm)	Verdict	
		20MHz(IEEE 802	.11n/ac/ax)-worst			
1	Low	5180	-1.65	11	Pass	
1	High	5240	-0.80	11	Pass	
2	Low	5260	-0.73	11	Pass	
2	High	5320	-2.11	11	Pass	
3	Low	5500	-2.40	11	Pass	
3	High	5700	-1.92	11	Pass	
4	Low	5745	-2.94	30	Pass	
4	High	5825	-3.14	30	Pass	
		40MHz(IEEE 802	2.11n/ac/ax)-worst			
1	Low	5190	-10.18	11	Pass	
- '	High	5230	-6.13	11	Pass	
2	Low	5270	-5.34	11	Pass	
2	High	5310	-8.02	11	Pass	
3	Low	5510	-9.13	11	Pass	
3	High	5670	-6.94	11	Pass	
4	Low	5755	-8.63	30	Pass	
4	High	5795	-8.79	30	Pass	
		80MHz(IEEE 80	2.11ac/ax)-worst			
1	Low	5210	-8.47	11	Pass	
2	Low	5290	-8.44	11	Pass	
3	Low	5530	-9.07	11	Pass	
3	High	5610	-6.09	11	Pass	
4	Low	5775	-9.12	30	Pass	
		160MHz(IEEE	802.11ax)-worst			
1	Low	5250	-40.78	11	Pass	
3	High	5570	-40.44	11	Pass	

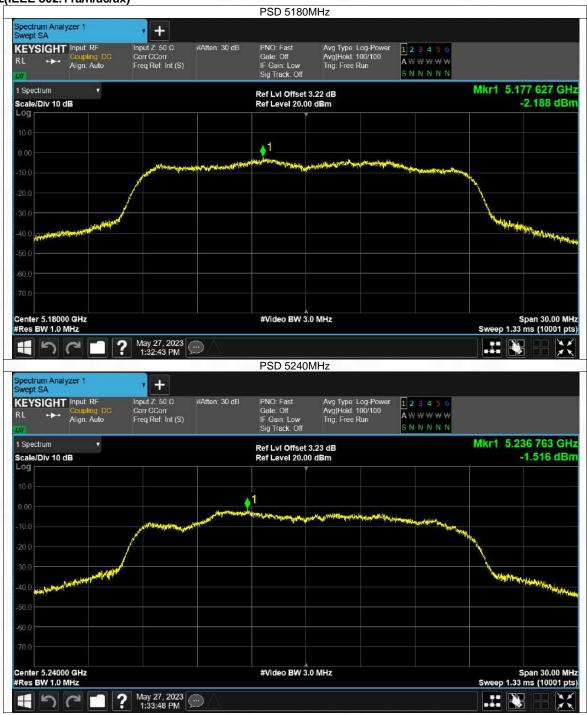




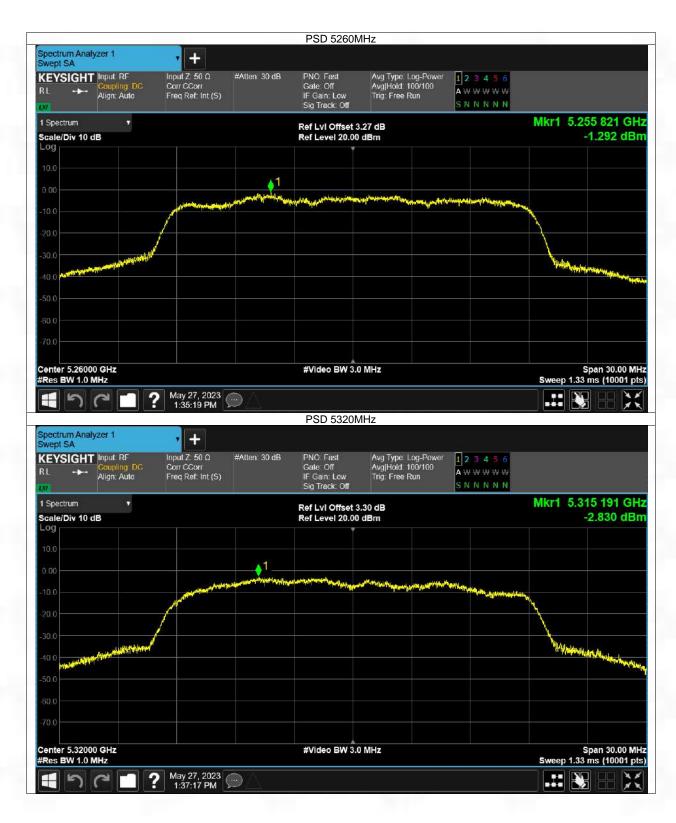
3.1.2 Test Graph

MAIN Ant1

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



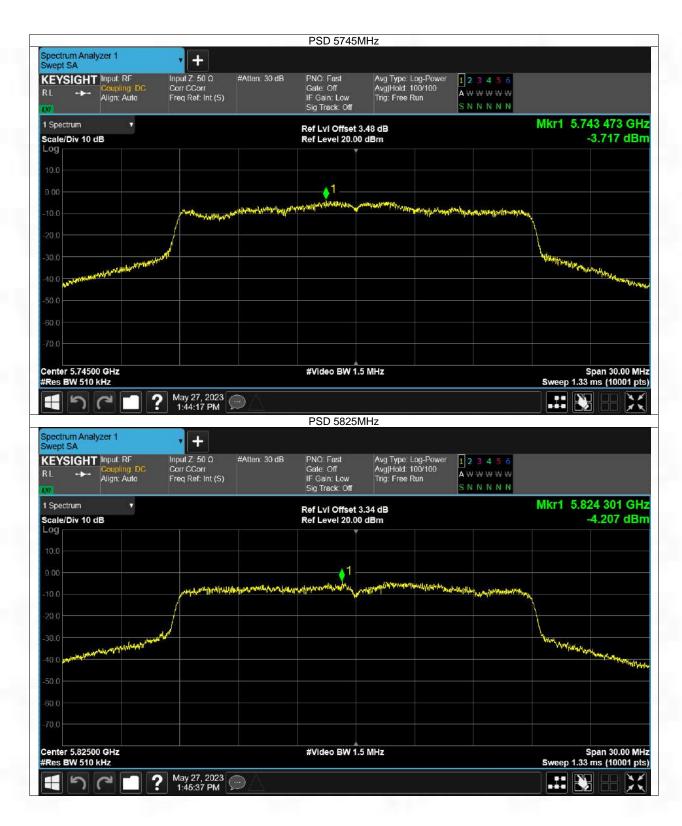


















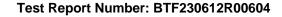










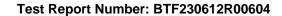






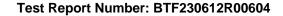




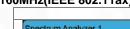




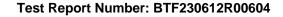






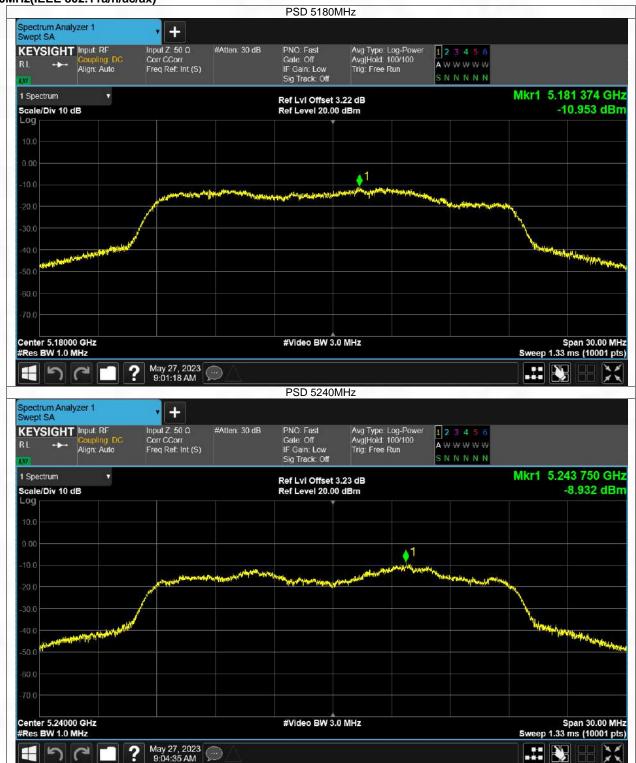








AUX Ant1 20MHz(IEEE 802.11a/n/ac/ax)



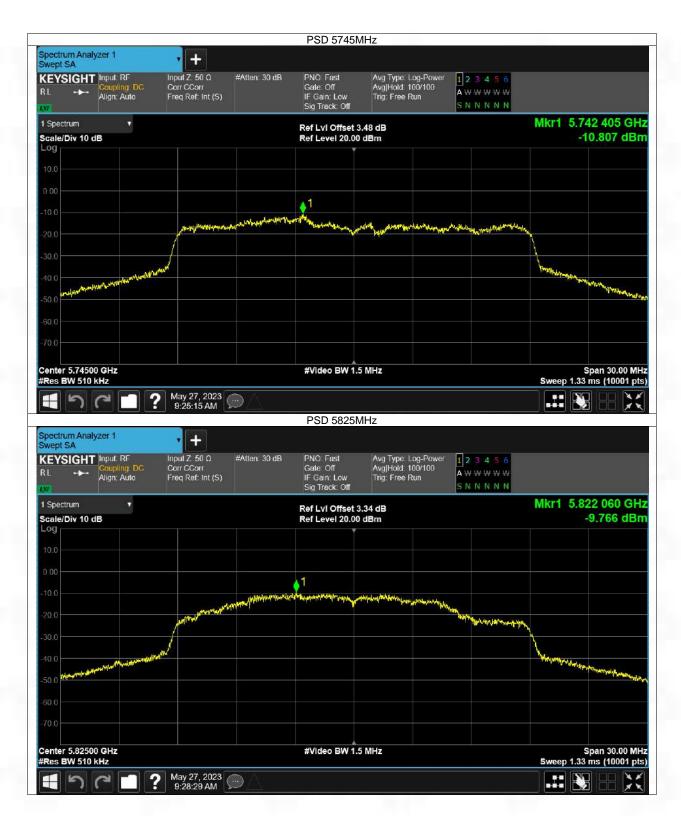


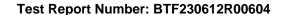




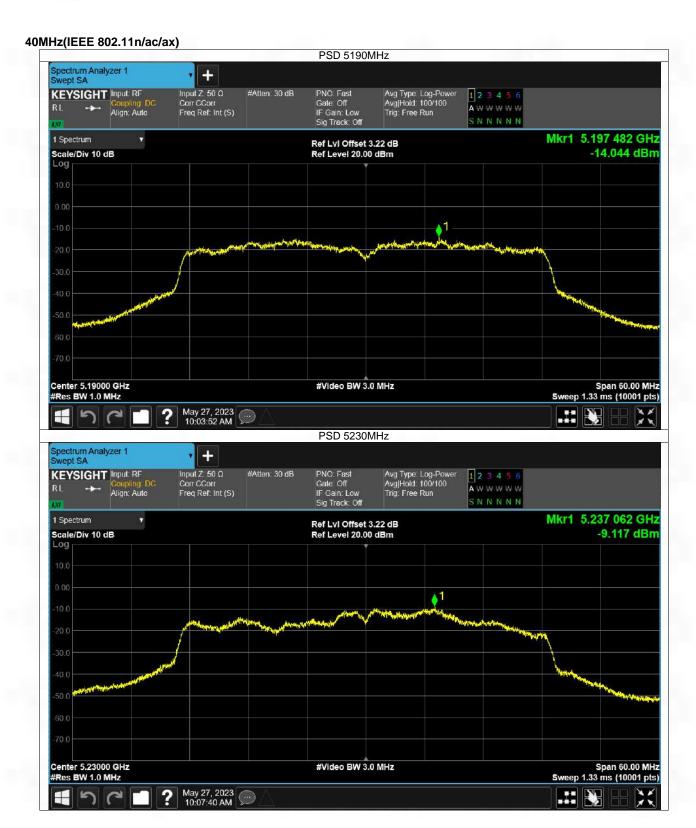












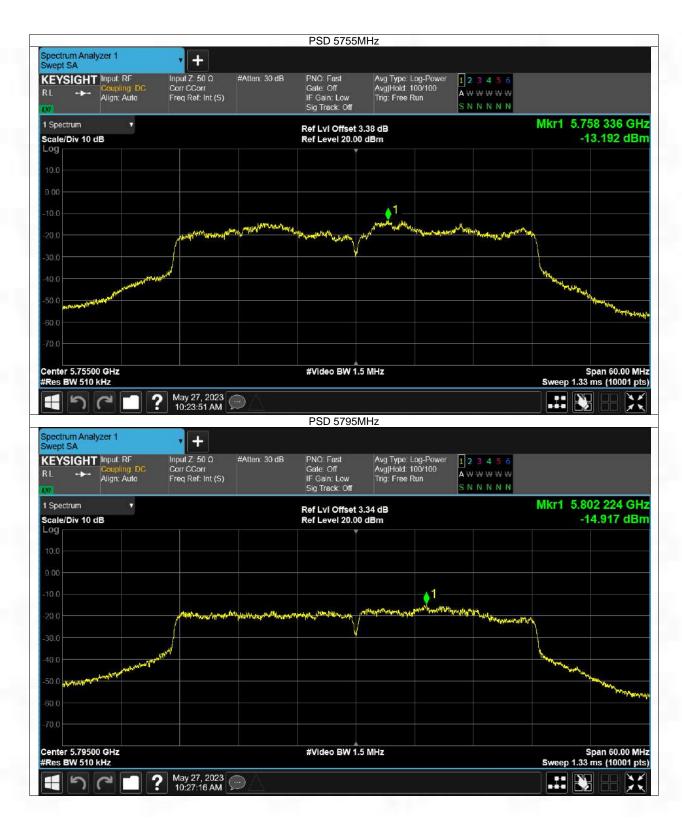


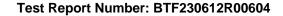








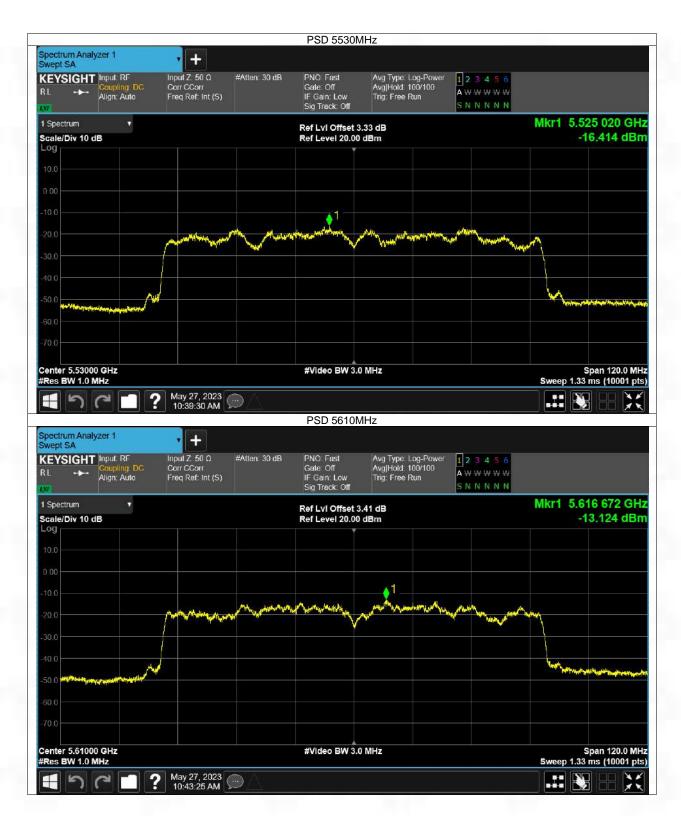






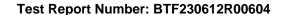






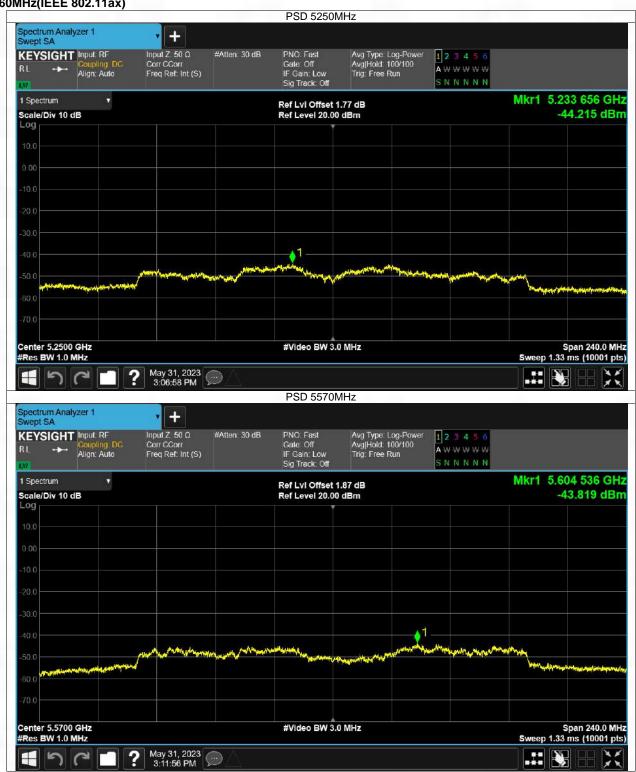


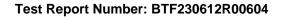












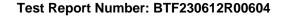


4. Frequency Stability

4.1 Ant1

4.1.1 Test Result

Band	Frequency (MHz)	Measured Frequency (MHz)	Frequency Error (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
		20MHz(IEI	EE 802.11a/n/ac/ax)			
1	5180	5179.98	-20000	-3.86	25	Pass
	5240	5240	-40000	-7.63	25	Pass
2	5260	5259.98	-40000	-7.6	25	Pass
2	5320	5319.96	-20000	-3.76	25	Pass
3	5500	5499.94	-20000	-3.64	25	Pass
	5700	5699.96	-40000	-7.02	25	Pass
4	5745	5744.98	-40000	-6.96	25	Pass
	5825	5825	-40000	-6.87	25	Pass
		400MHz(II	EEE 802.11n/ac/ax)			*
1 -	5190	5189.96	0	0	25	Pass
	5230	5230	-40000	-7.65	25	Pass
0	5270	5269.96	0	0	25	Pass
2	5310	5309.96	0	0	25	Pass
2	5510	5510	0	0	25	Pass
3	5670	5669.96	-40000	-7.05	25	Pass
4	5755	5755	-40000	-6.95	25	Pass
4	5795	5795	0	0	25	Pass
		80MHz(I	EEE 802.11ac/ax)			
1	5210	5210	0	0	25	Pass
2	5290	5289.92	0	0	25	Pass
3	5530	5529.92	0	0	25	Pass
	5610	5609.92	0	0	25	Pass
4	5775	5775	-80000	-13.85	25	Pass
		160MH:	z(IEEE 802.11ax)			
1	5250	5250	0	0	25	Pass
3	5570	5570	0	0	25	Pass

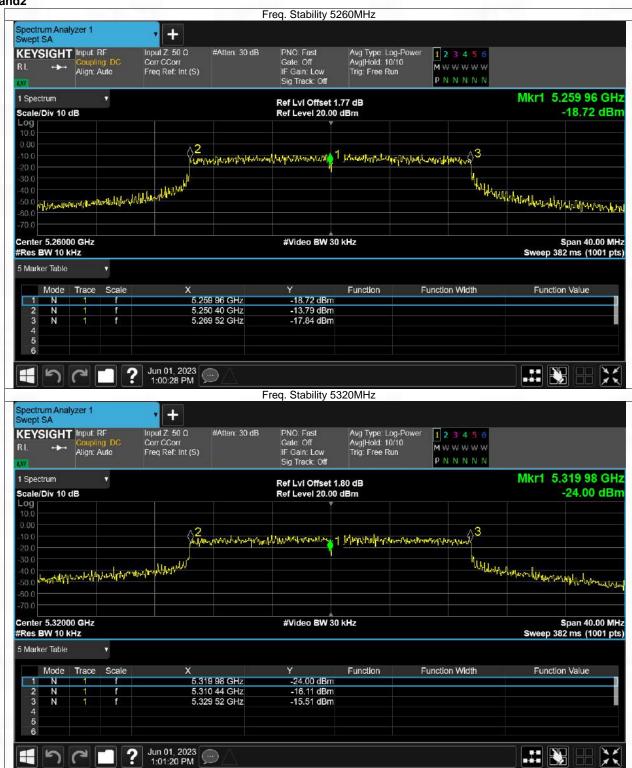




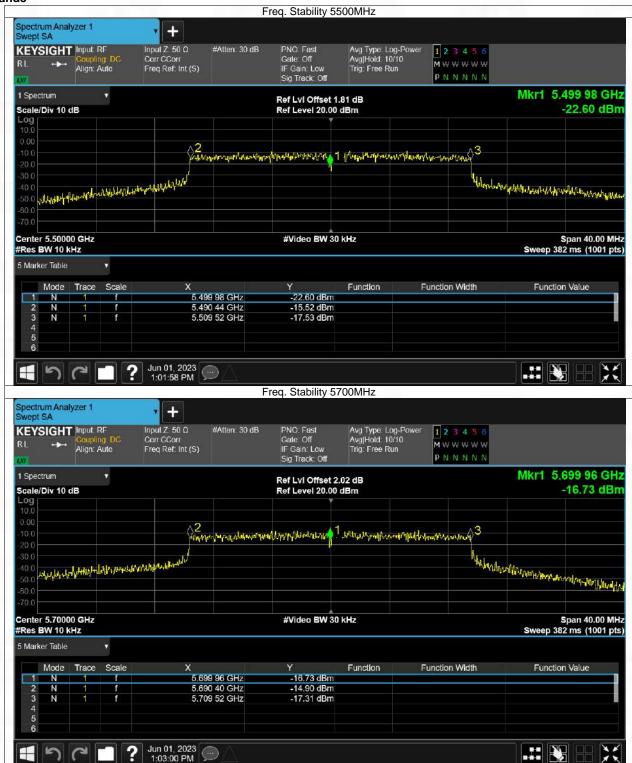
4.1.2 Test Graph 20MHz(IEEE 802.11a/n/ac/ax) Band1



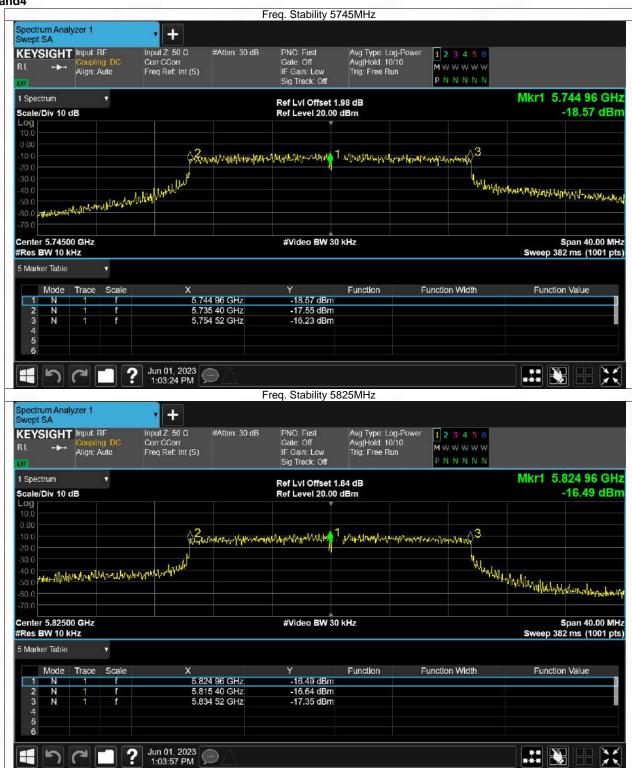


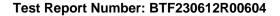






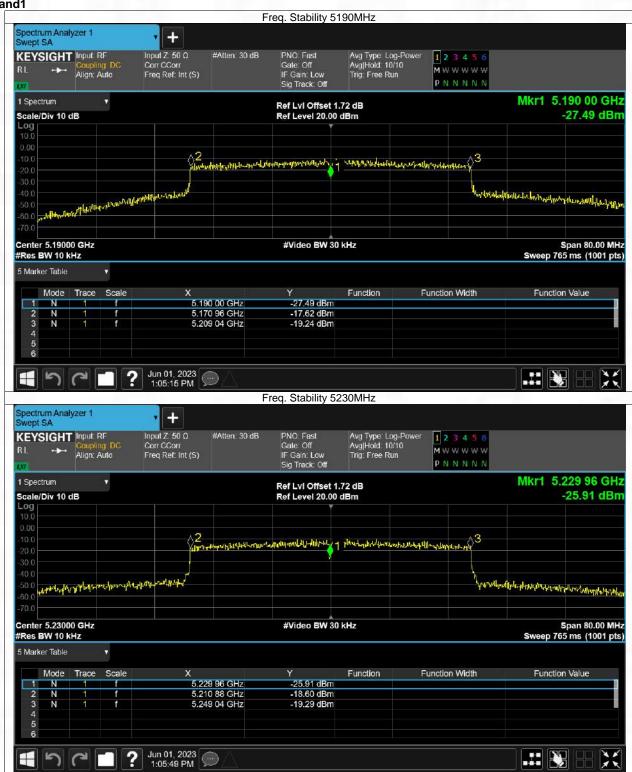








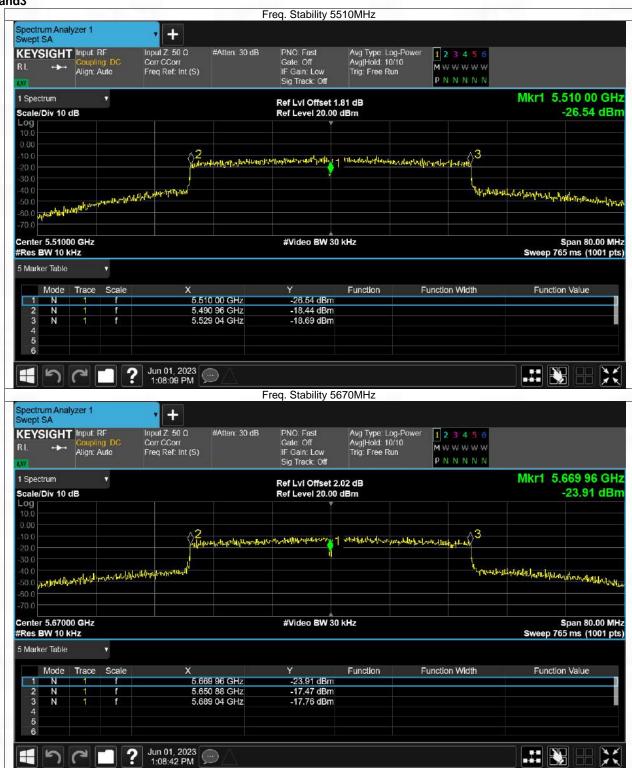
40MHz(IEEE 802.11n/ac/ax) Band1



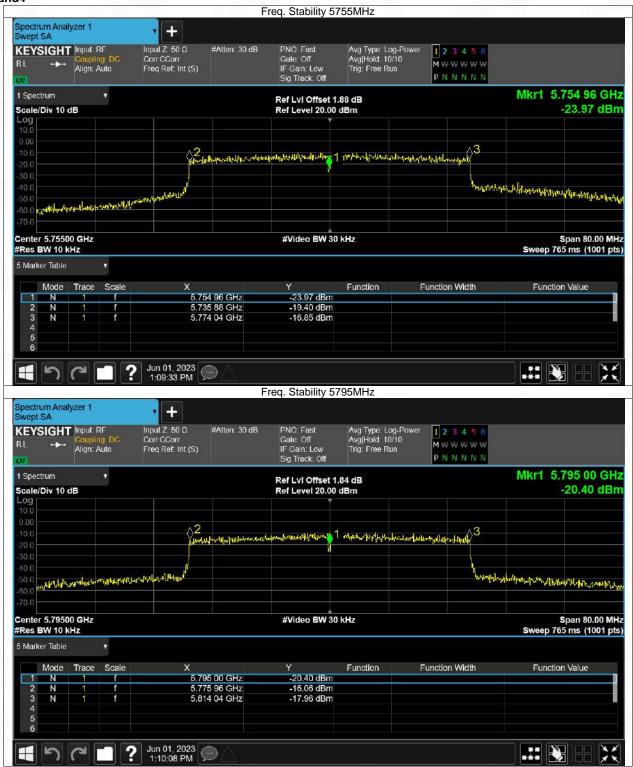


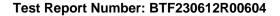








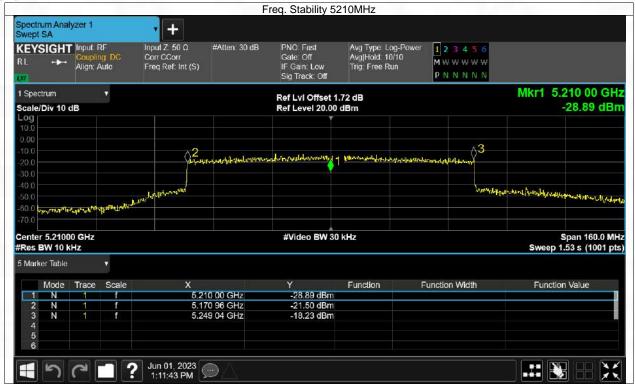






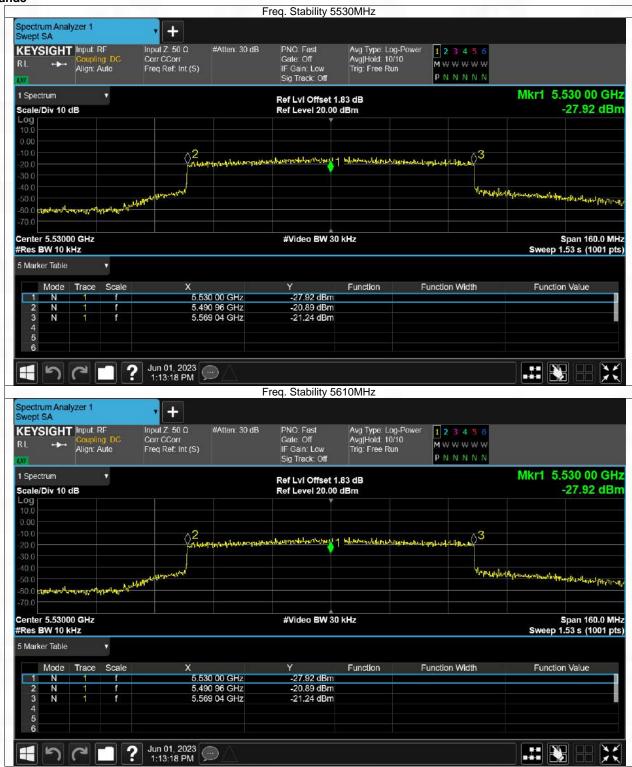
80MHz(IEEE 802.11ac/ax)





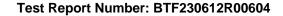












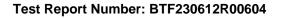


160MHz(IEEE 802.11ax)

Band1











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www.btf-lab.com

-- END OF REPORT --