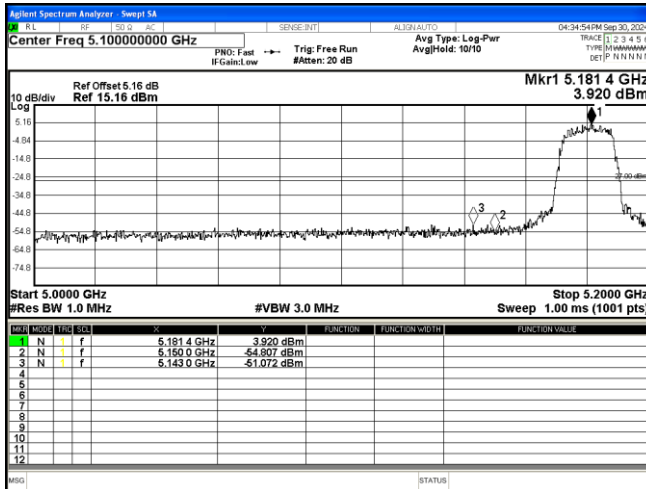
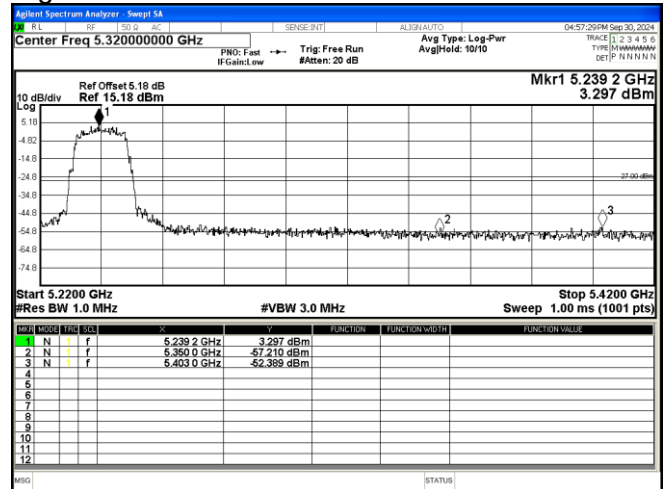




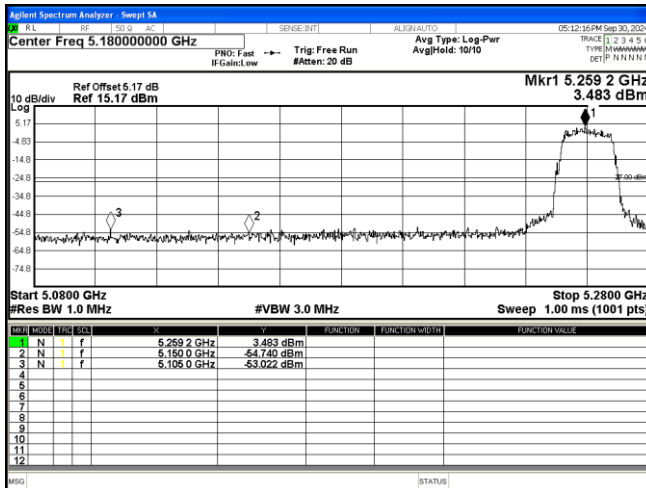
Band Edge



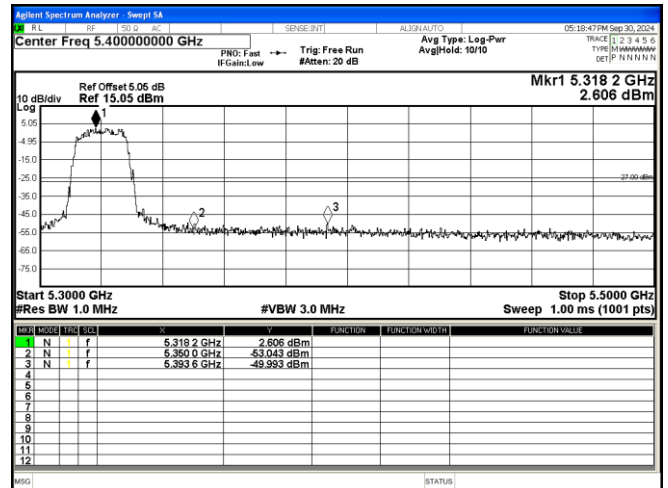
802.11 a 5180MHz



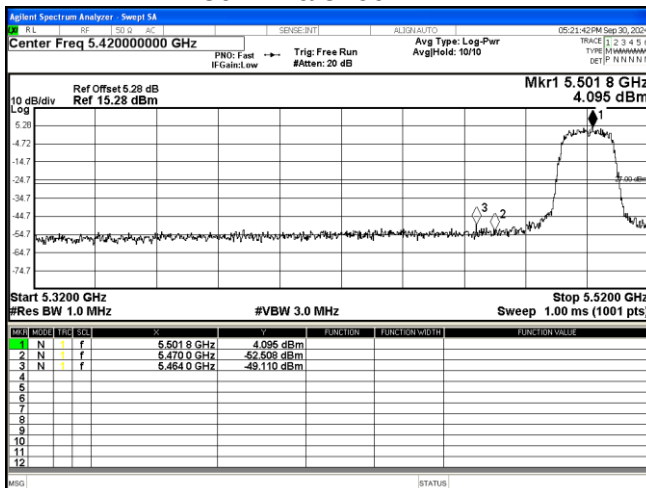
802.11 a 5240MHz



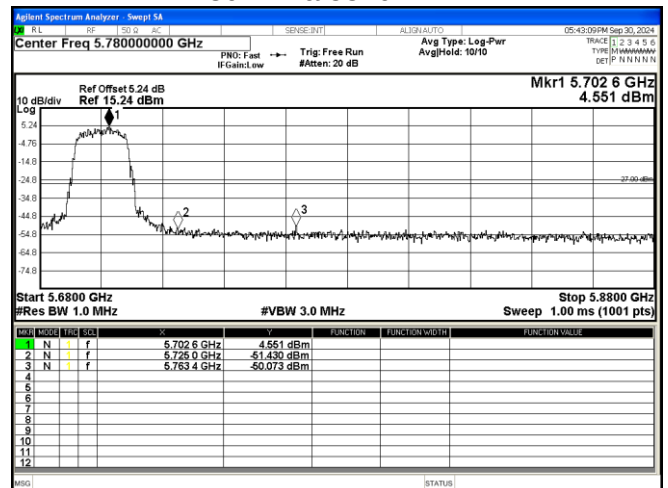
802.11 a 5260MHz



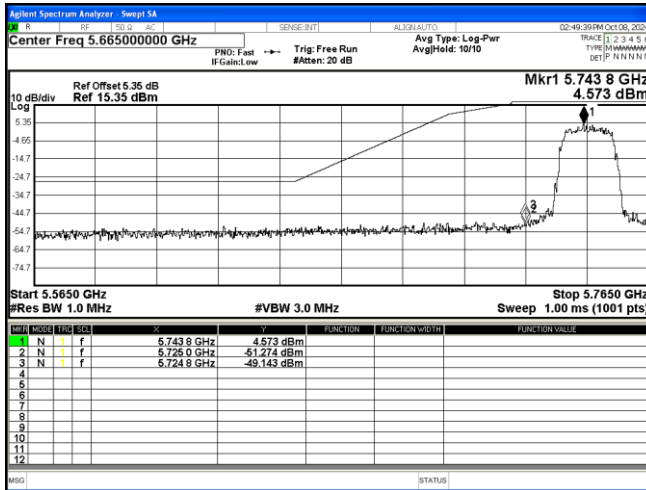
802.11 a 5320MHz



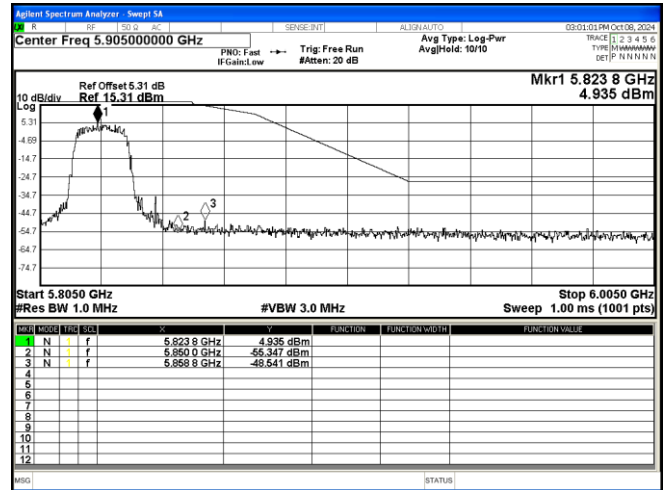
802.11 a 5500MHz



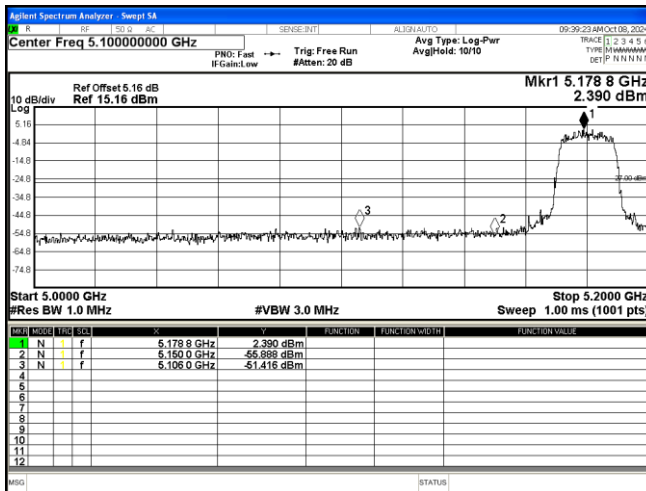
802.11 a 5700MHz



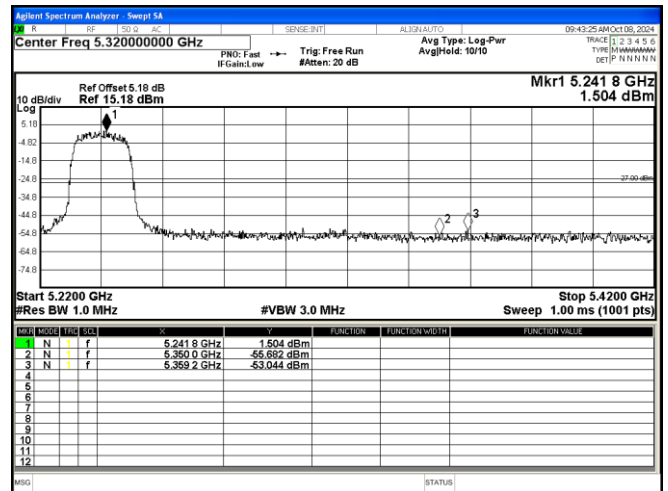
802.11 a 5745MHz



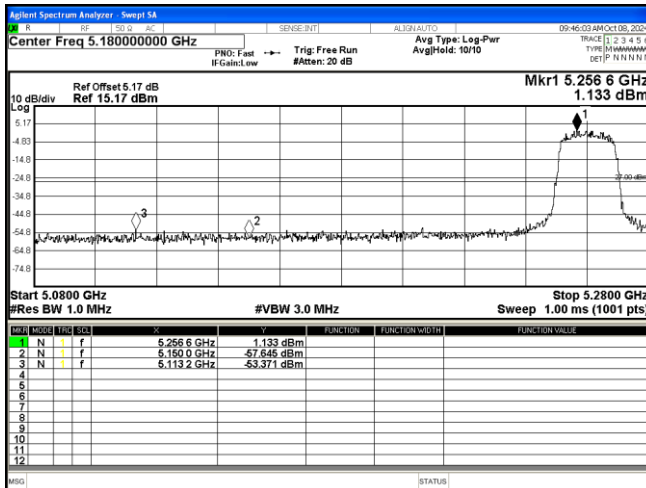
802.11 a 5825MHz



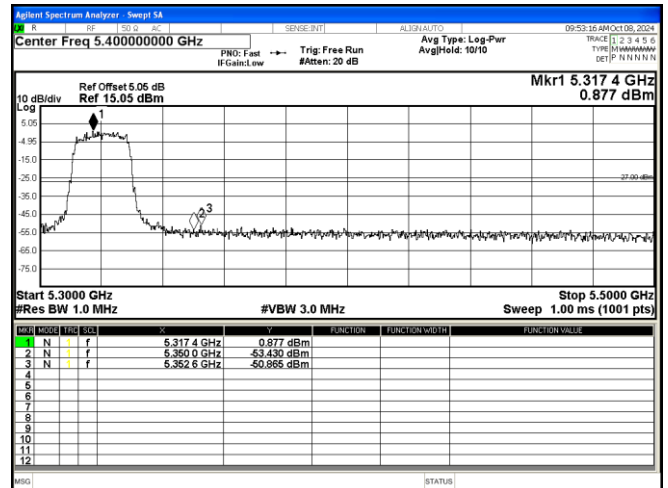
802.11 n20 5180MHz



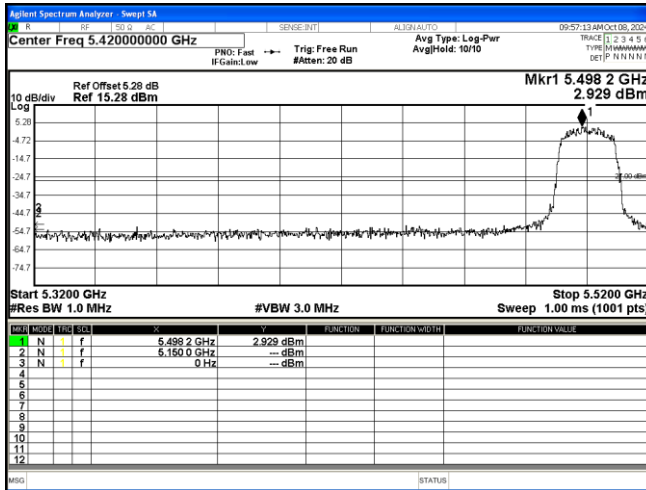
802.11 n20 5240MHz



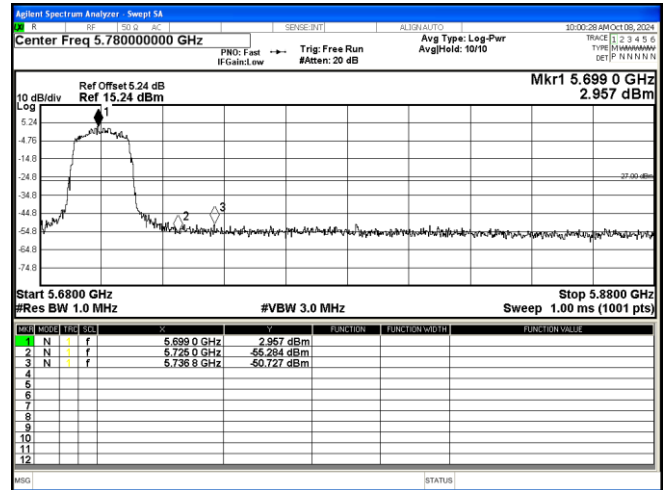
802.11 n20 5260MHz



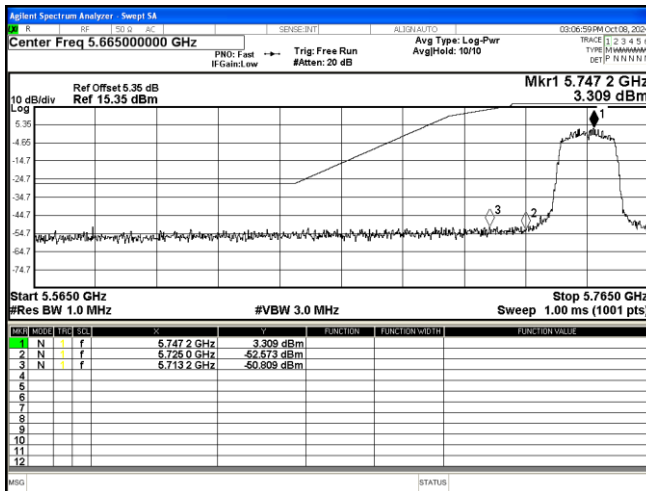
802.11 n20 5320MHz



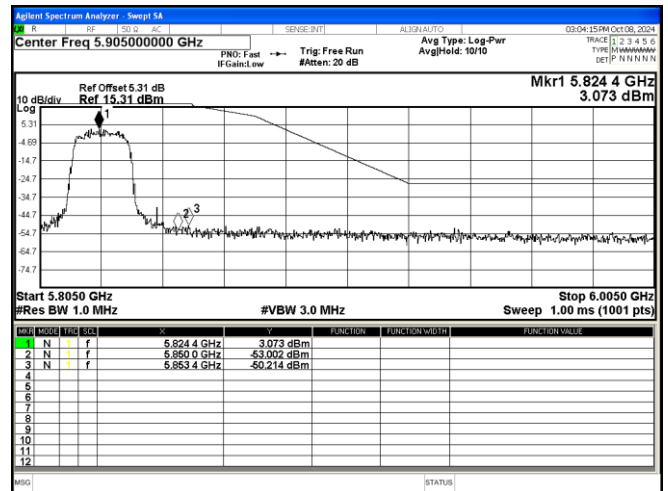
802.11 n20 5500MHz



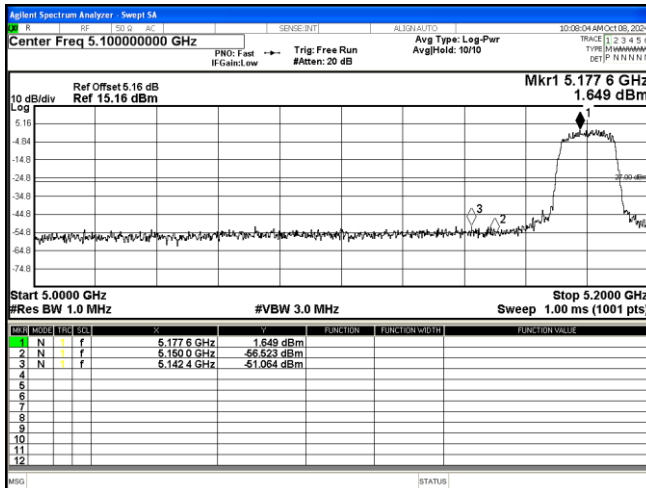
802.11 n20 5700MHz



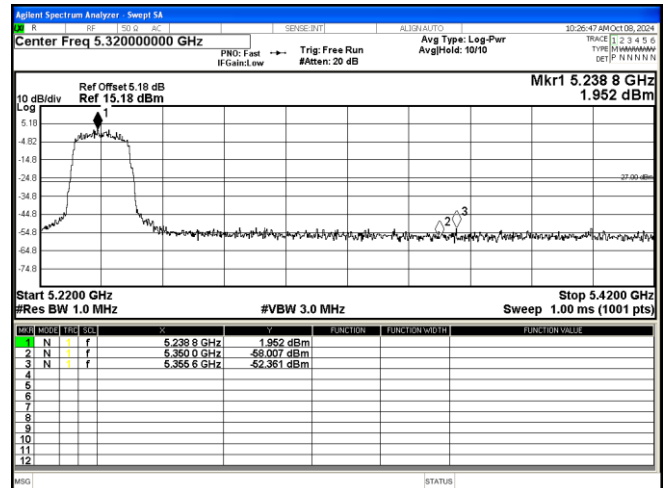
802.11 n20 5745MHz



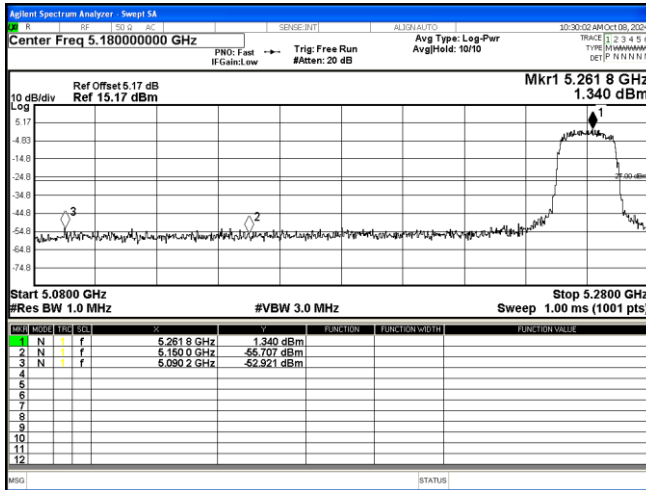
802.11 n20 5825MHz



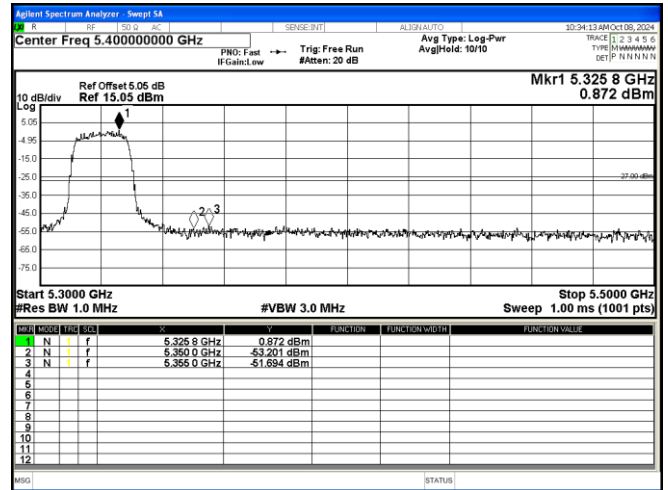
802.11 ac20 5180MHz



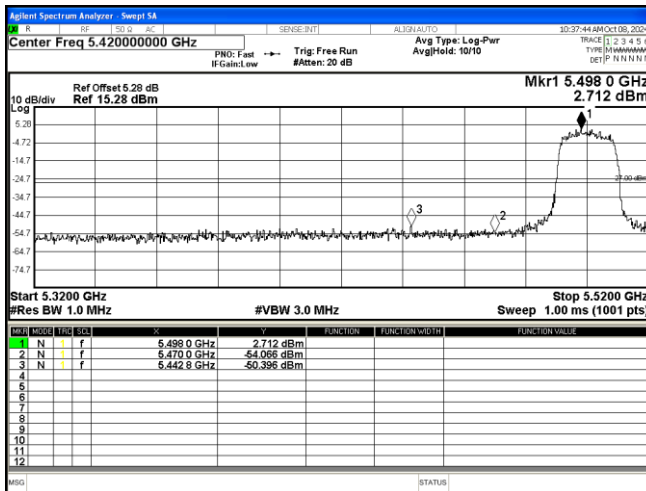
802.11 ac20 5240MHz



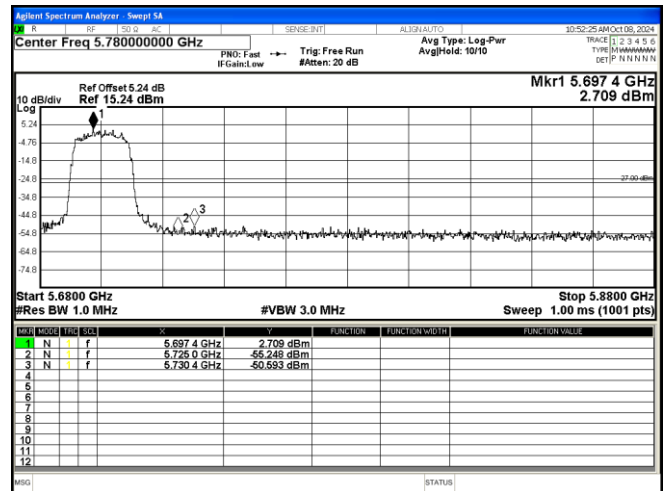
802.11 ac20 5260MHz



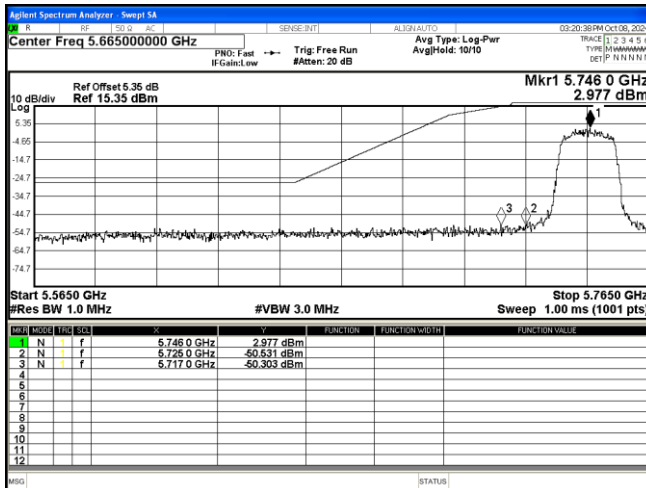
802.11 ac20 5320MHz



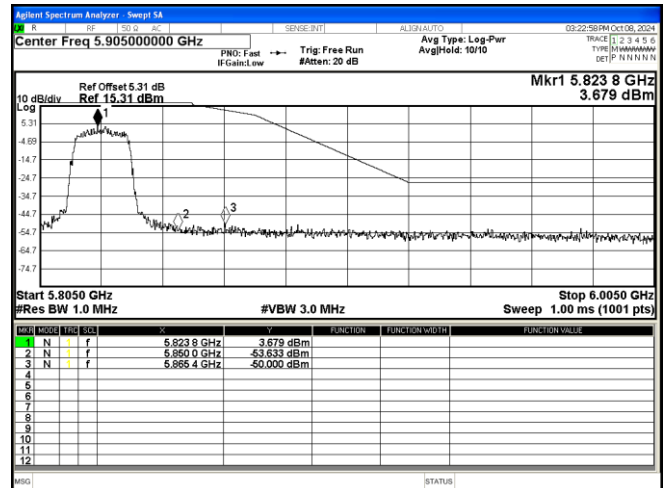
802.11 ac20 5500MHz



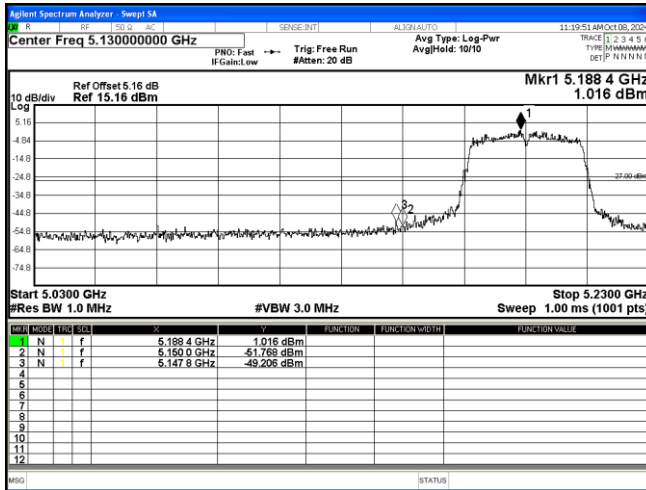
802.11 ac20 5700MHz



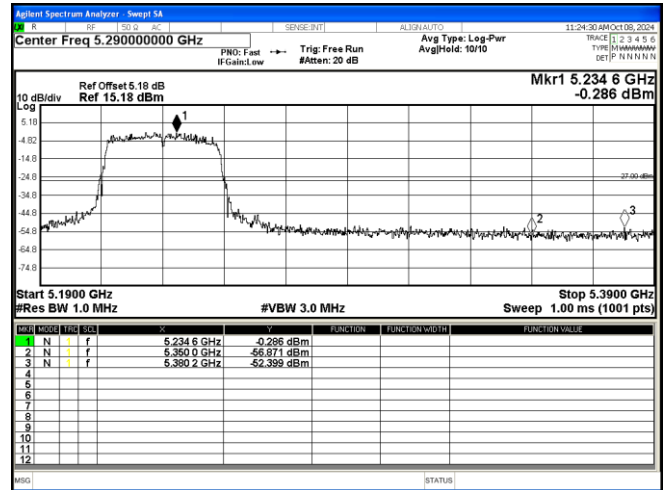
802.11 ac20 5745MHz



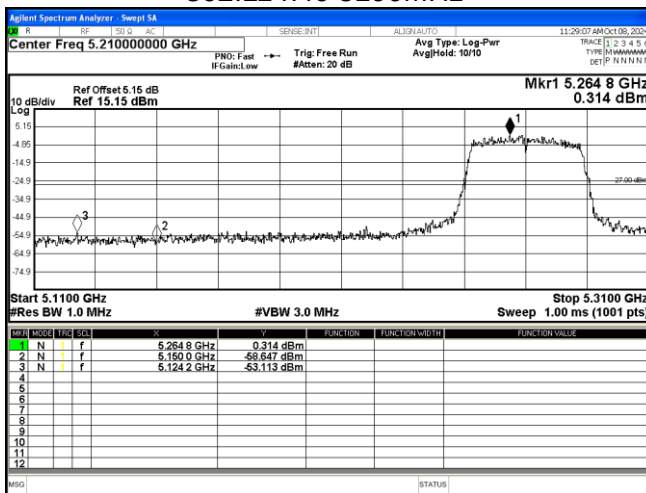
802.11 ac20 5825MHz



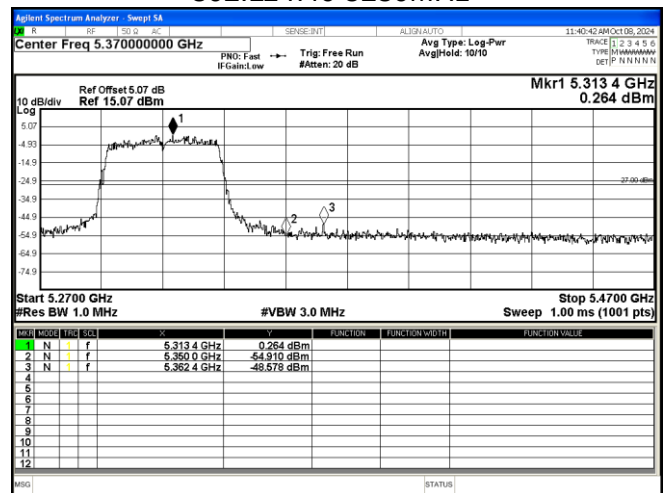
802.11 n40 5190MHz



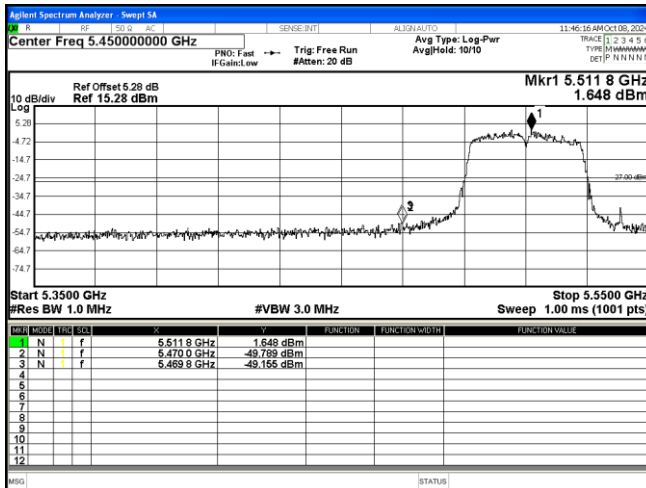
802.11 n40 5230MHz



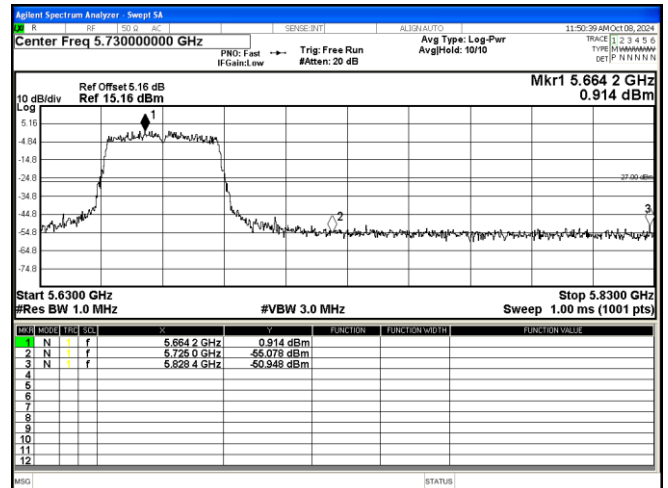
802.11 n40 5270MHz



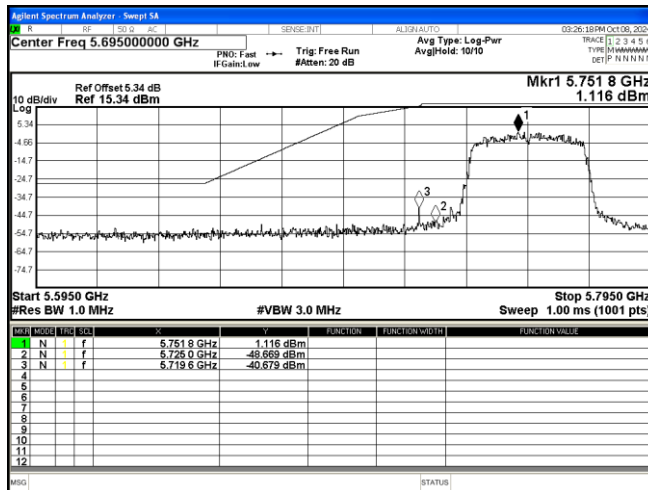
802.11 n40 5310MHz



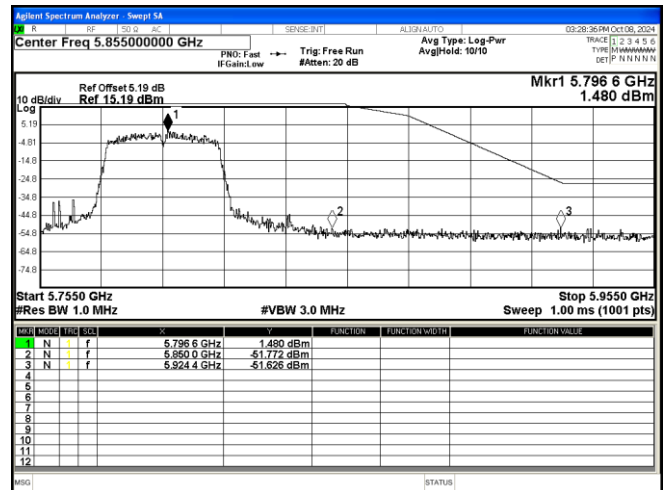
802.11 n40 5510MHz



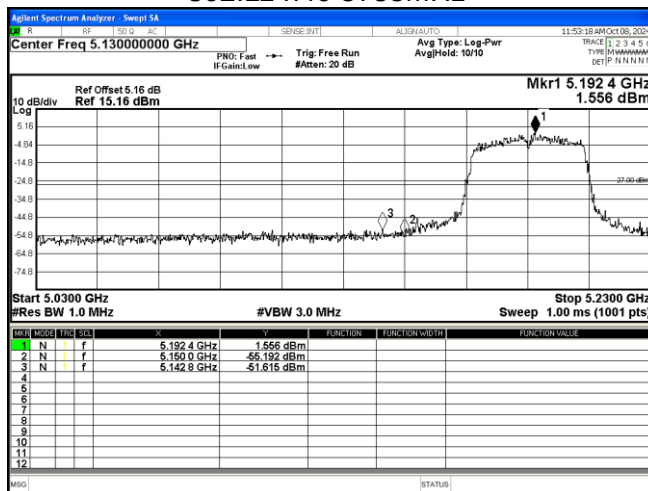
802.11 n40 5670MHz



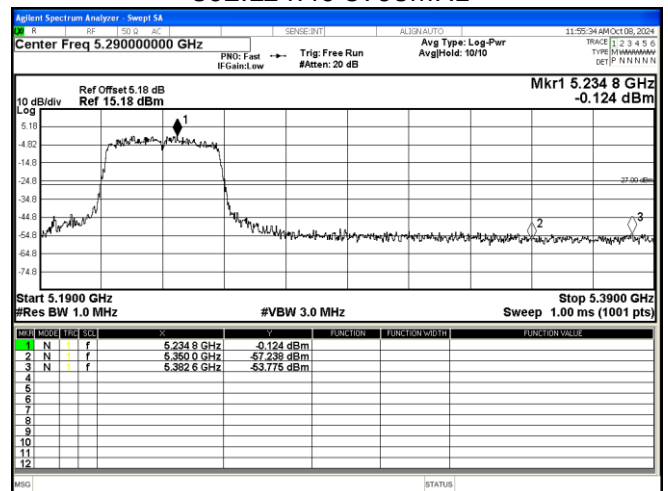
802.11 n40 5755MHz



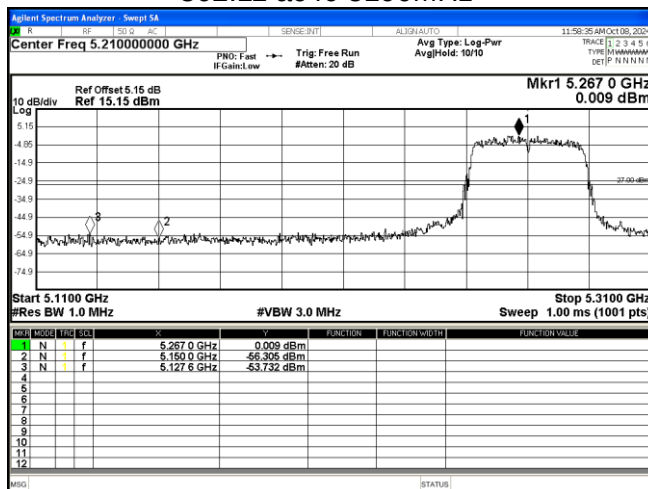
802.11 n40 5795MHz



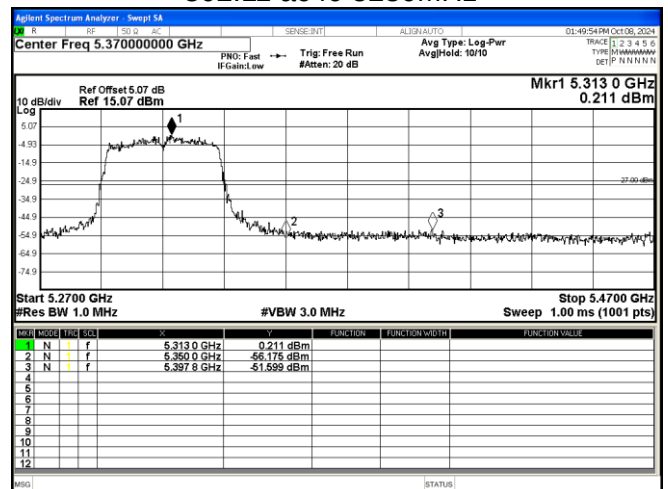
802.11 ac40 5190MHz



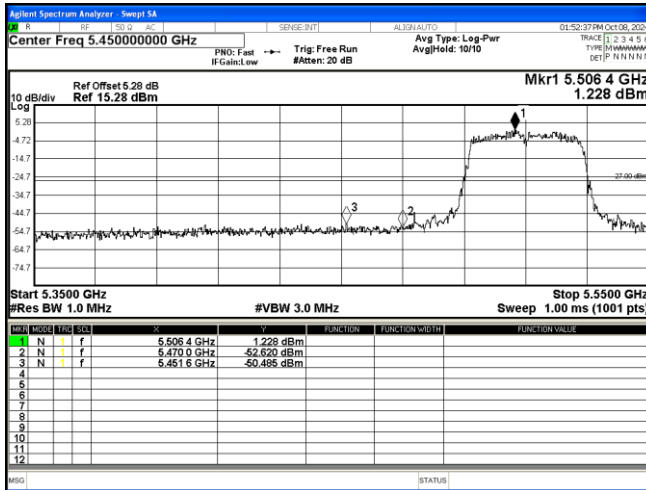
802.11 ac40 5230MHz



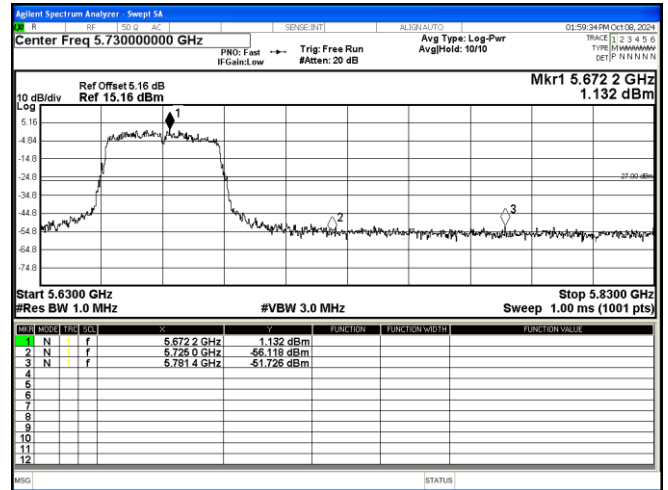
802.11 ac40 5270MHz



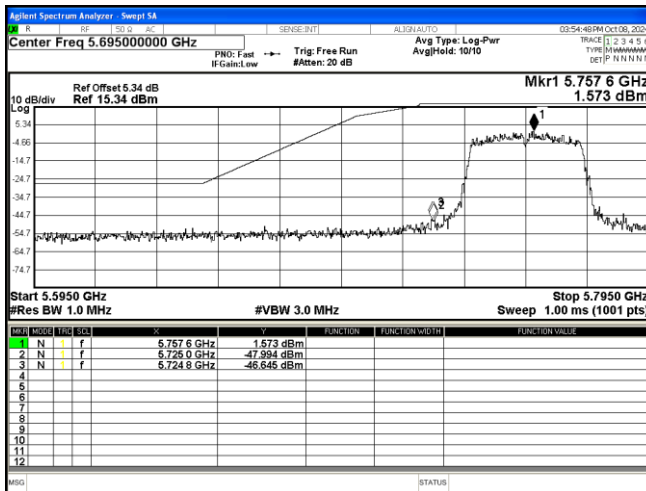
802.11 ac40 5310MHz



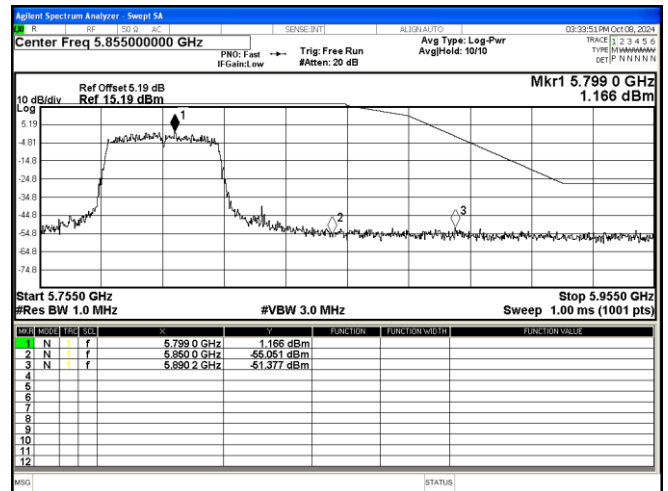
802.11 ac40 5510MHz



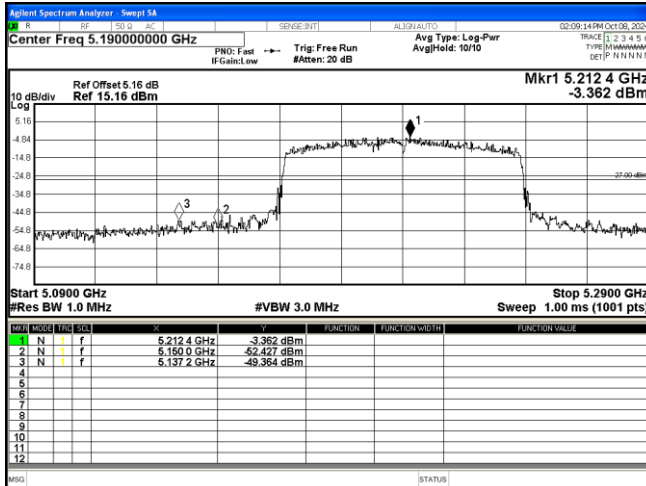
802.11 ac40 5670MHz



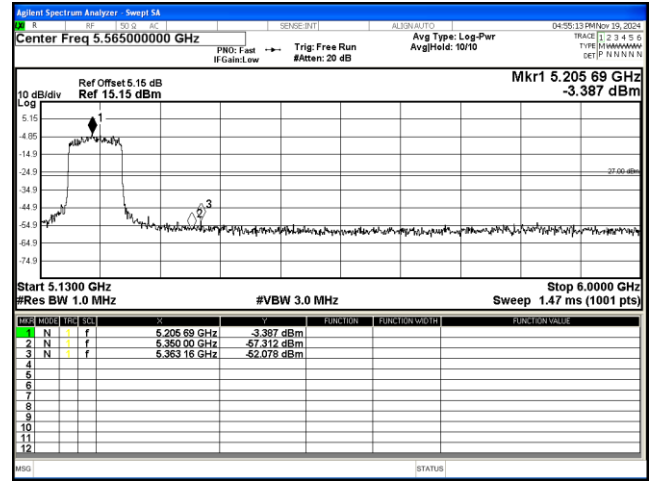
802.11 ac40 5750MHz



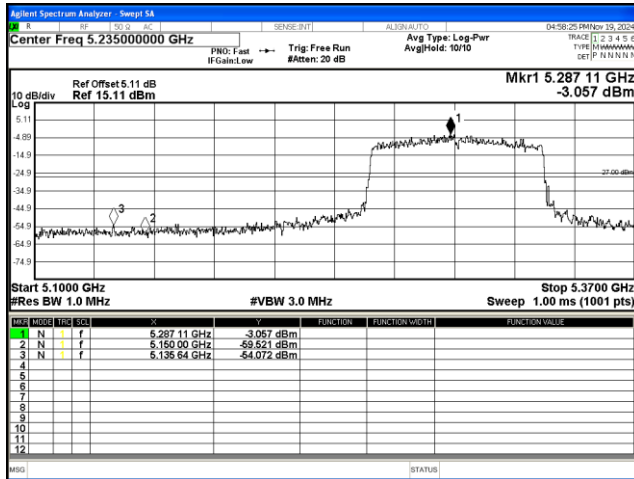
802.11 ac40 5790MHz



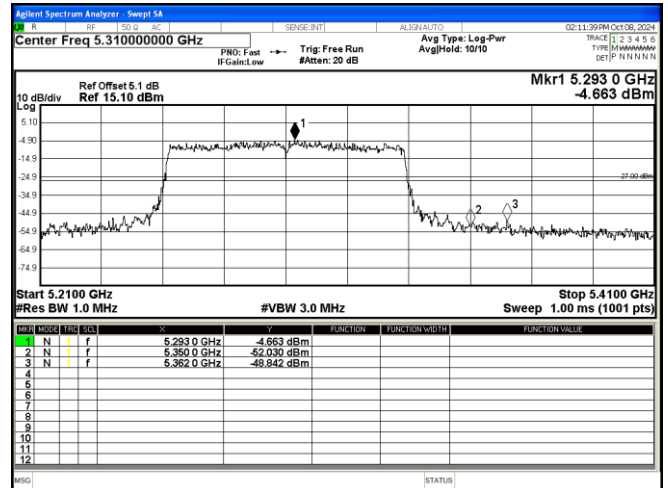
802.11 ac80 5210MHz Left



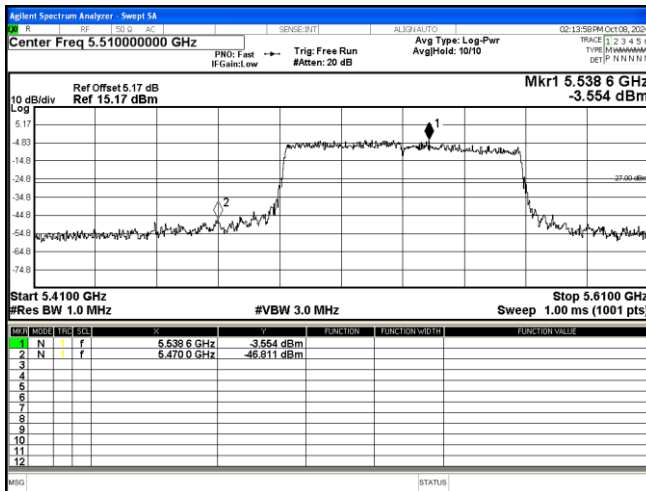
802.11 ac80 5210MHz Right



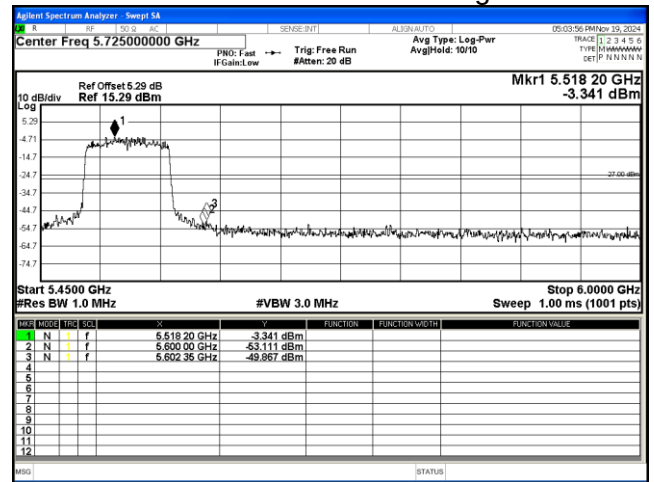
802.11 ac80 5290MHz Left



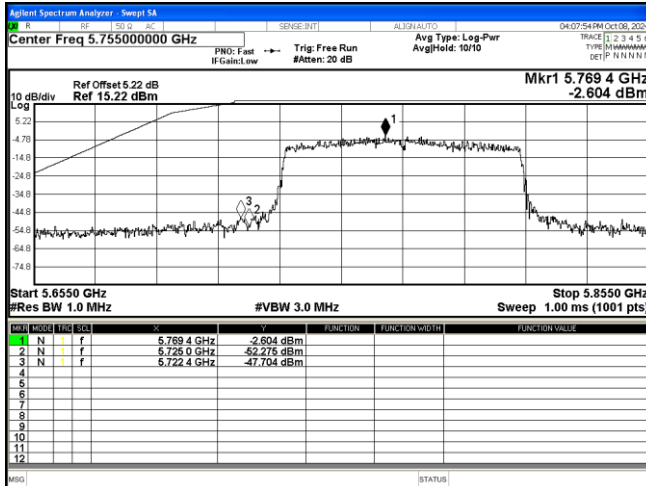
802.11 ac80 5290MHz Right



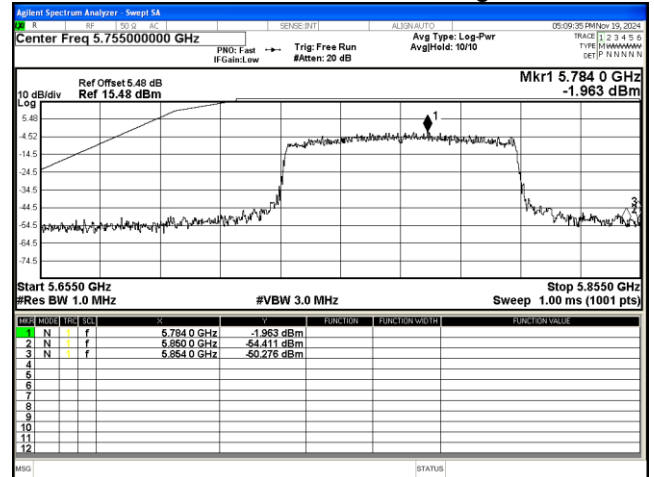
802.11 ac80 5530MHz Left



802.11 ac80 5530MHz Right



802.11 ac80 5775MHz Left

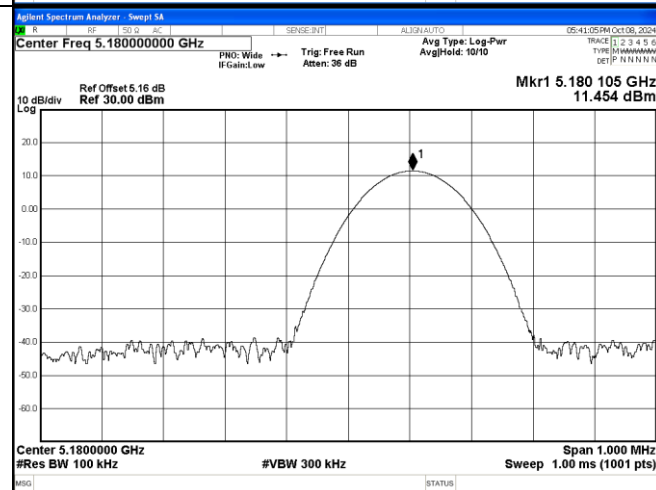
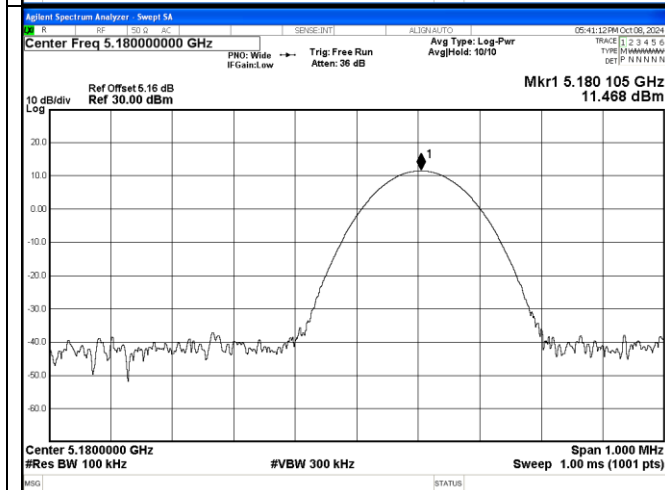
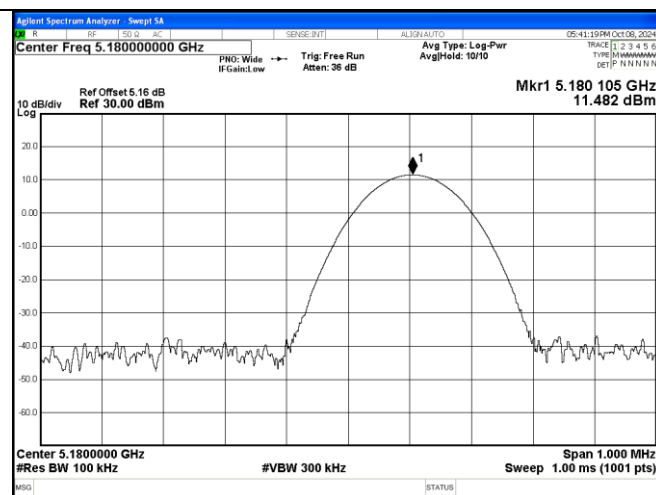
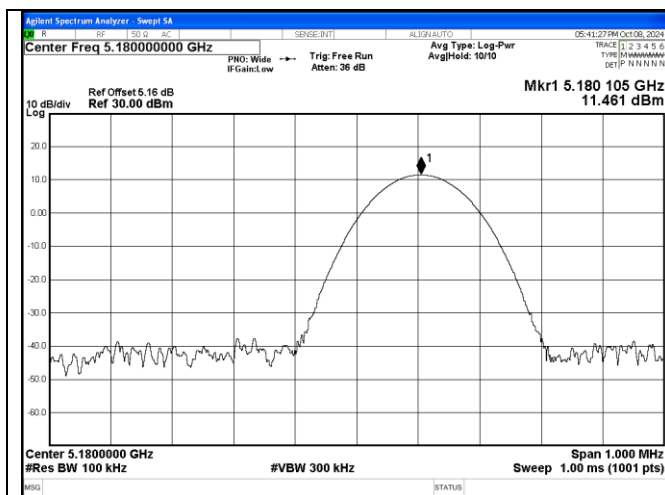


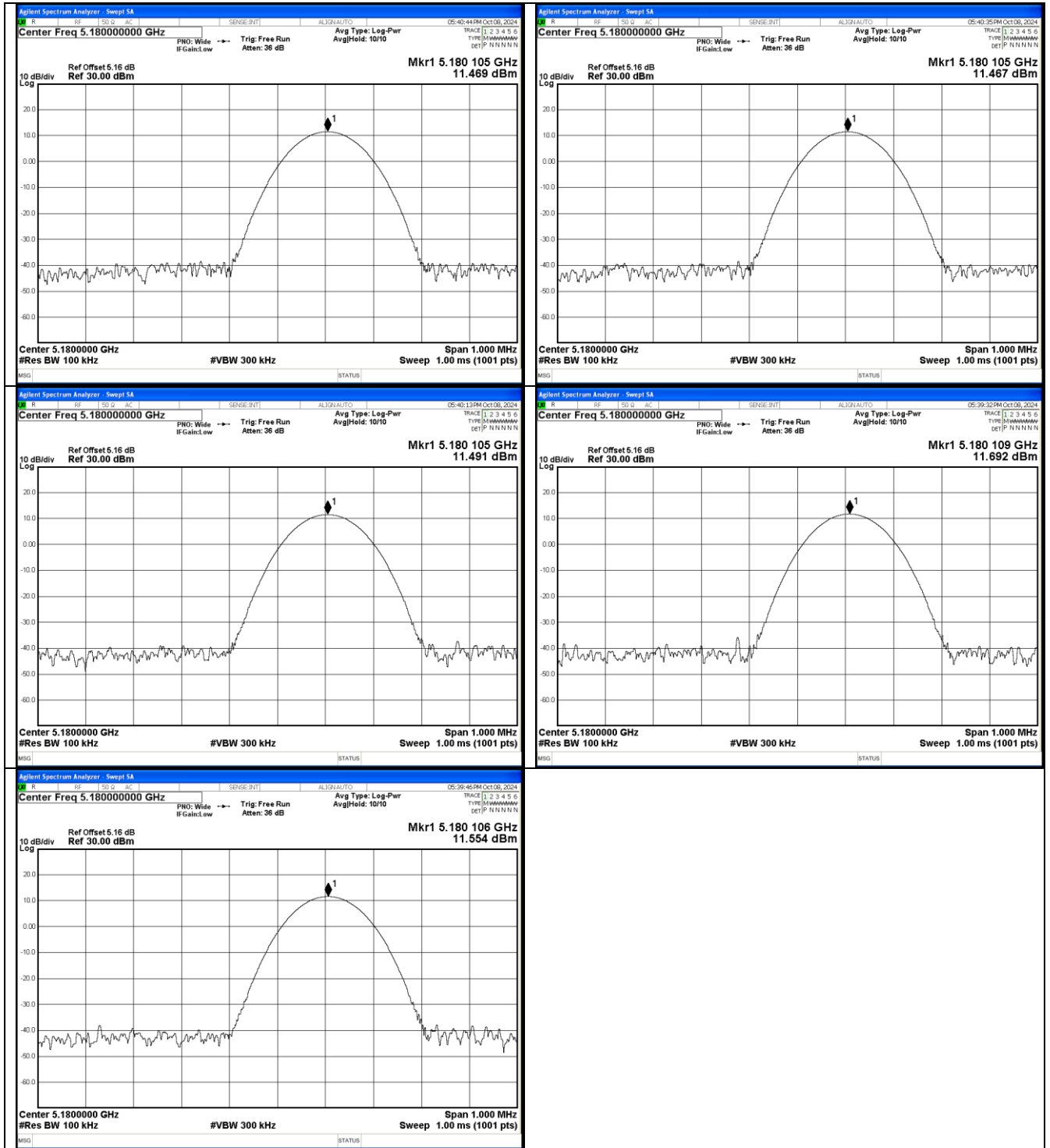
802.11 ac80 5775MHz Right

Appendix A.4 Test Results of Frequency Stability

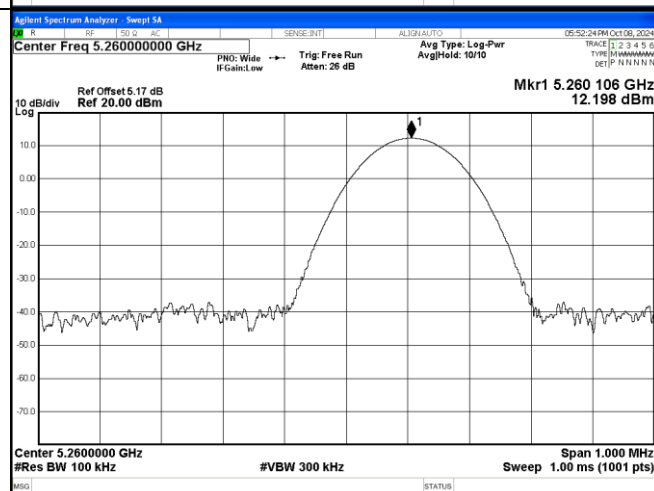
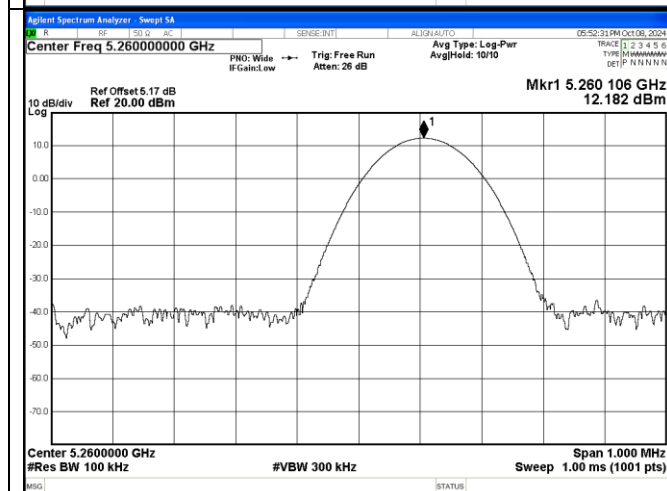
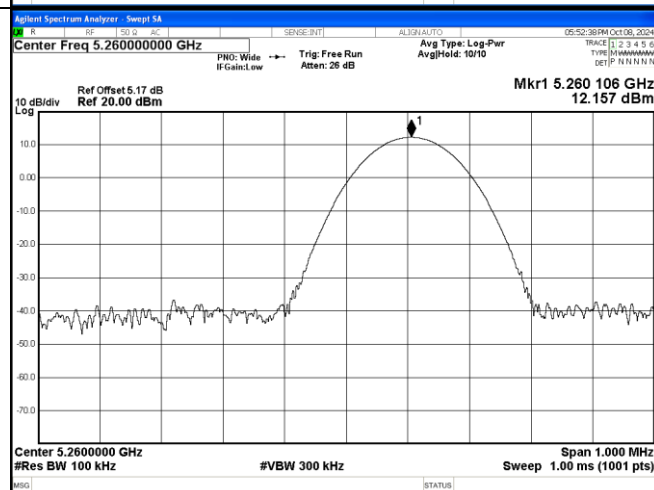
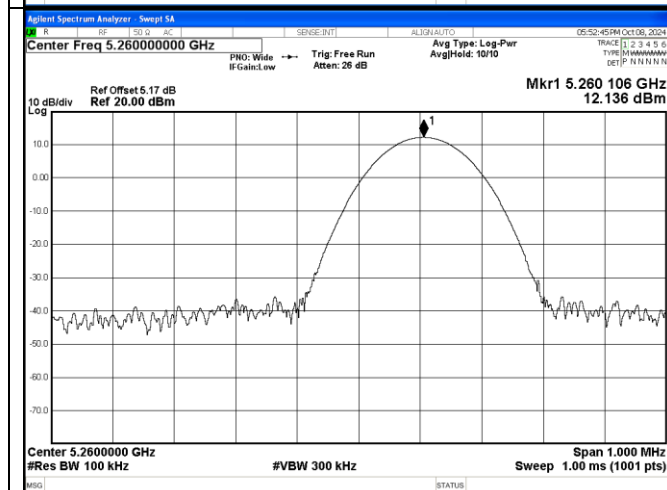
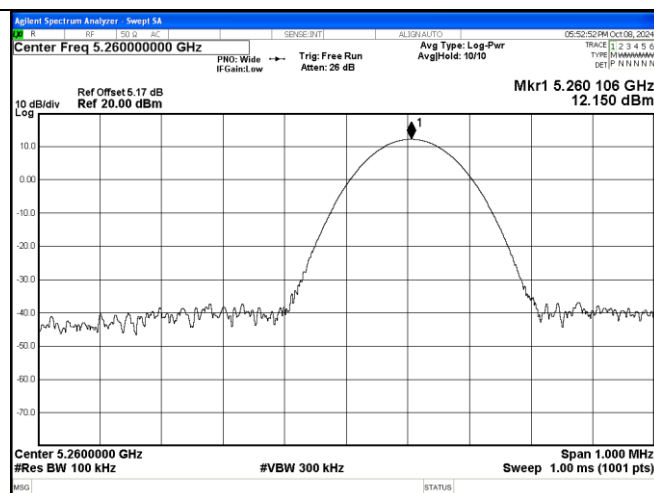
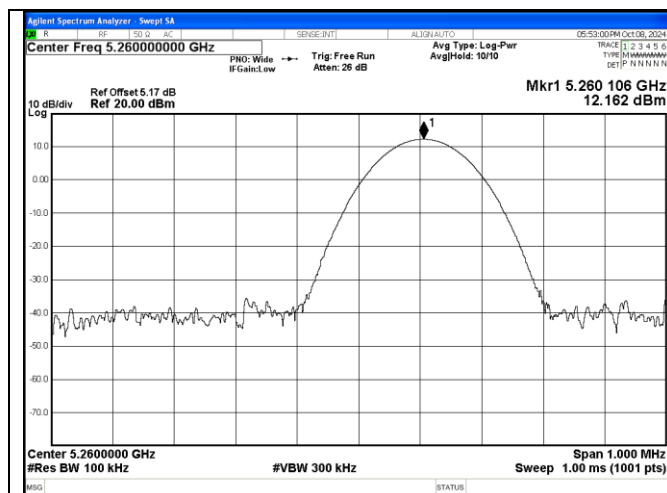
Wi-Fi 802.11ac mode:

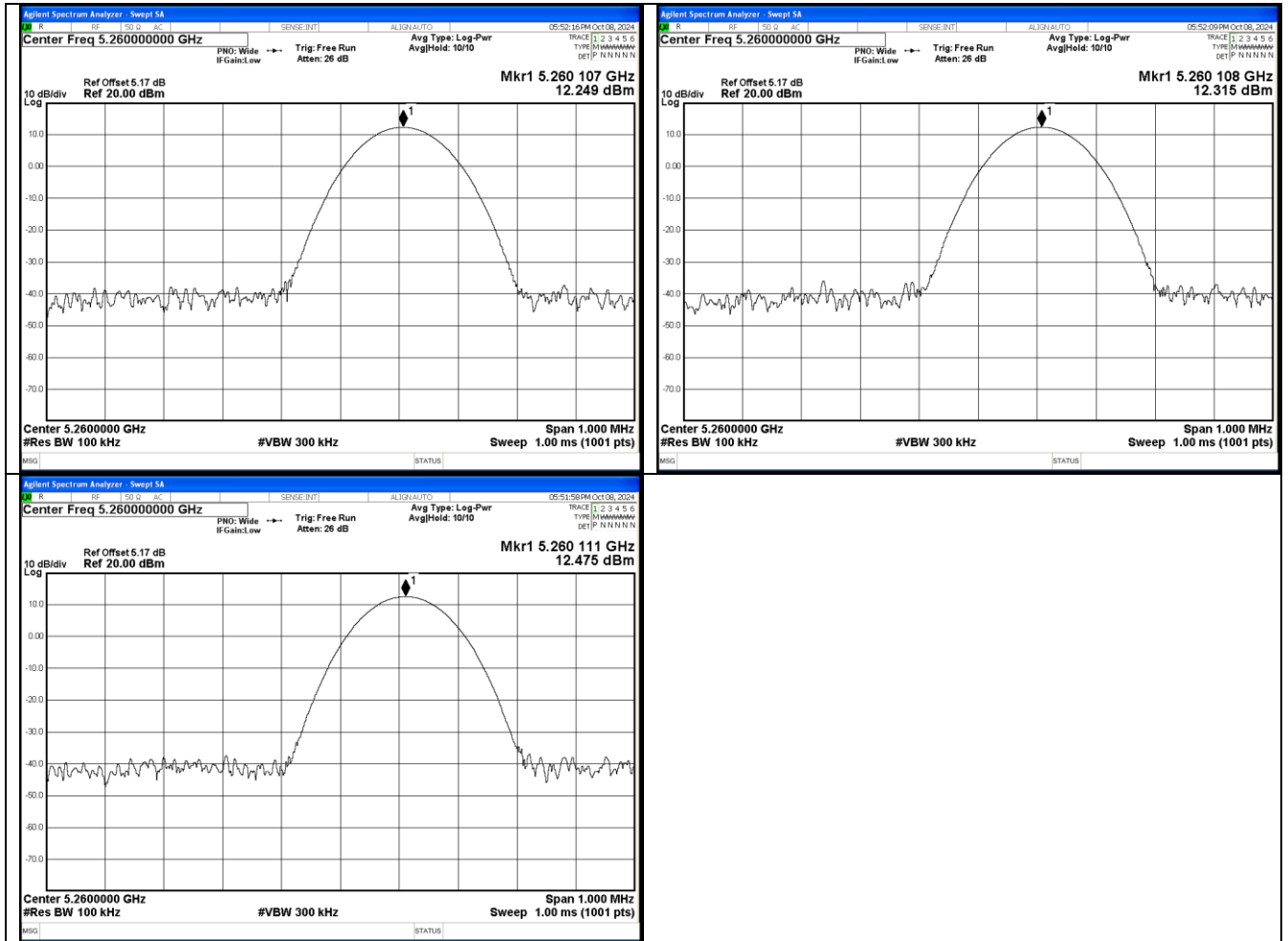
Frequency (MHz)	Voltage (V)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5180	5 Vdc	0	5180.1045	20.17	25	Pass
		10	5180.1045	20.17	25	Pass
		20	5180.1045	20.17	25	Pass
		30	5180.1045	20.17	25	Pass
		40	5180.1045	20.17	25	Pass
		50	5180.1045	20.17	25	Pass
		60	5180.1045	20.17	25	Pass
	4.25 Vdc	25	5180.1085	20.95	25	Pass
	5.75 Vdc	25	5180.1055	20.37	25	Pass



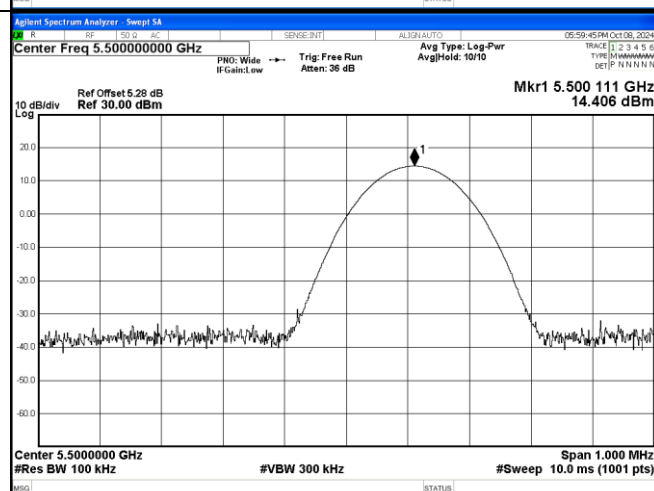
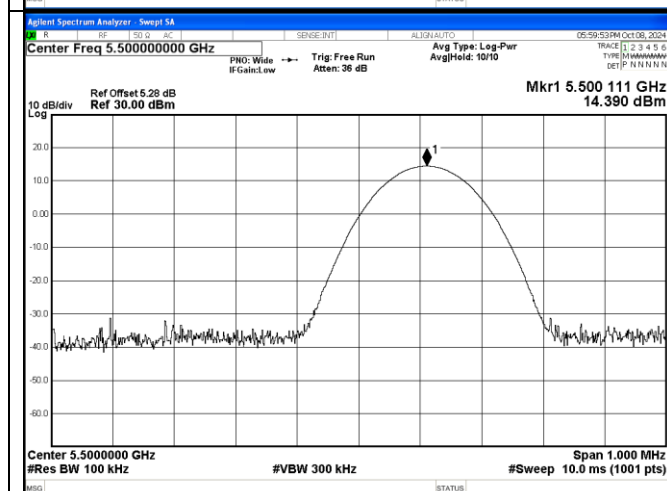
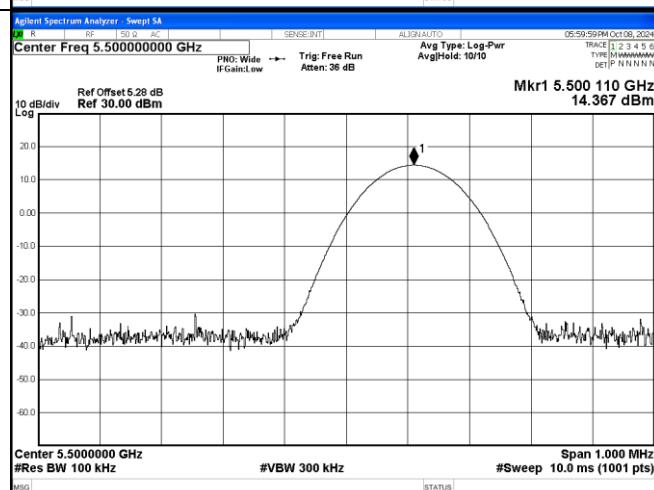
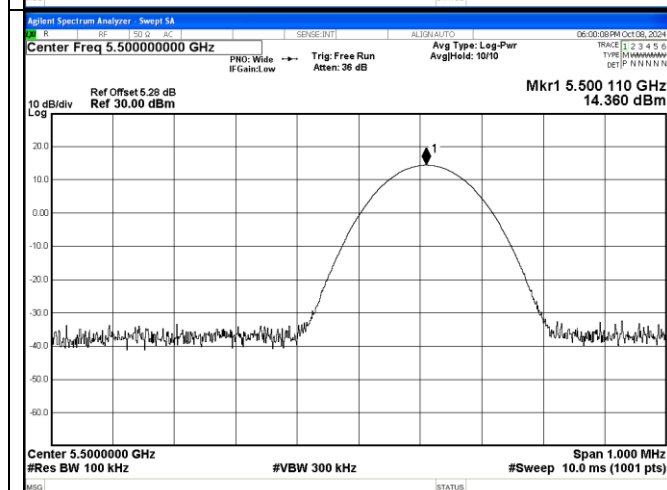
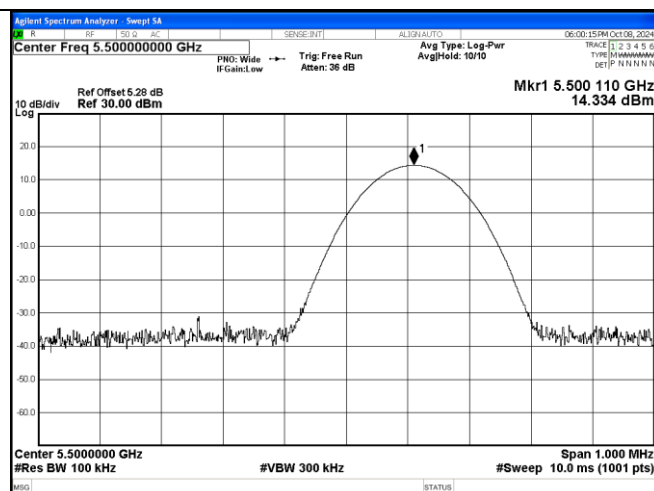
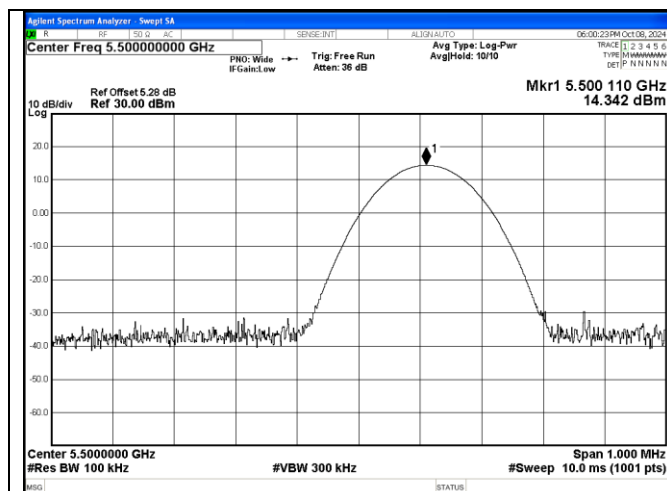


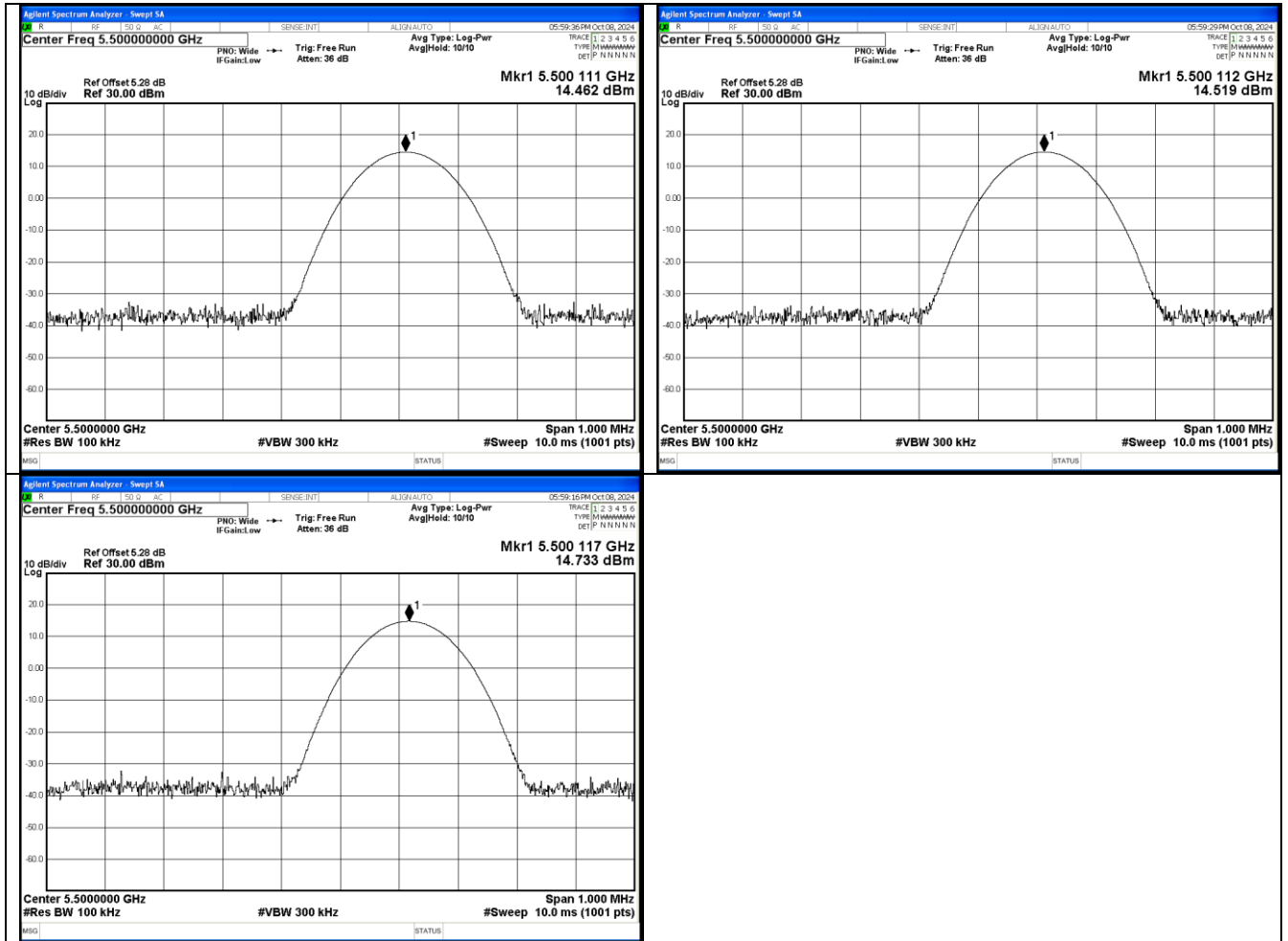
Frequency (MHz)	Voltage (V)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5260	5 Vdc	0	5260.1055	20.06	25	Pass
		10	5260.1055	20.06	25	Pass
		20	5260.1055	20.06	25	Pass
		30	5260.1055	20.06	25	Pass
		40	5260.106	20.15	25	Pass
		50	5260.106	20.15	25	Pass
	4.25 Vdc	25	5260.1065	20.25	25	Pass
	5.75 Vdc	25	5260.1075	20.44	25	Pass
		25	5260.111	21.10	25	Pass



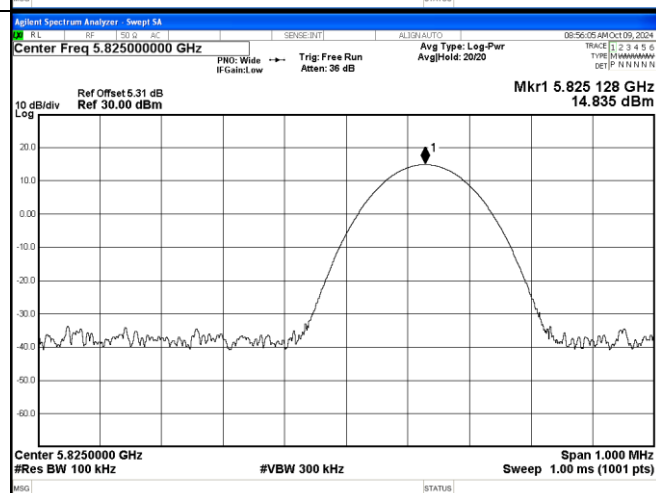
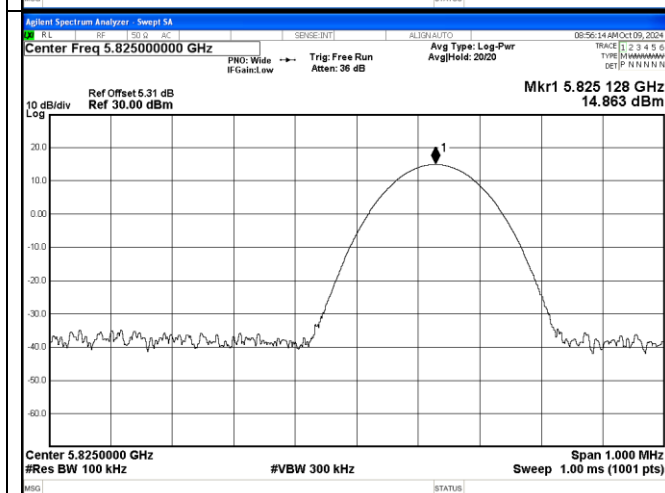
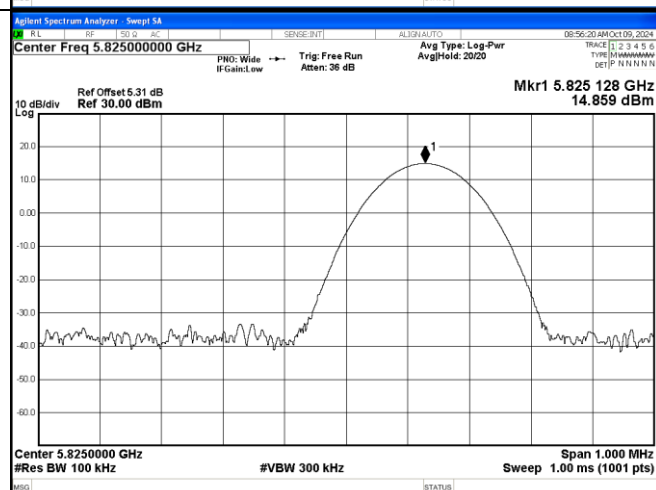
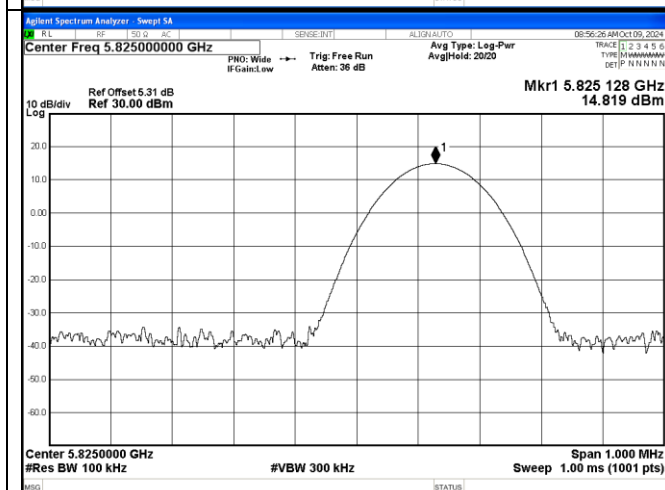
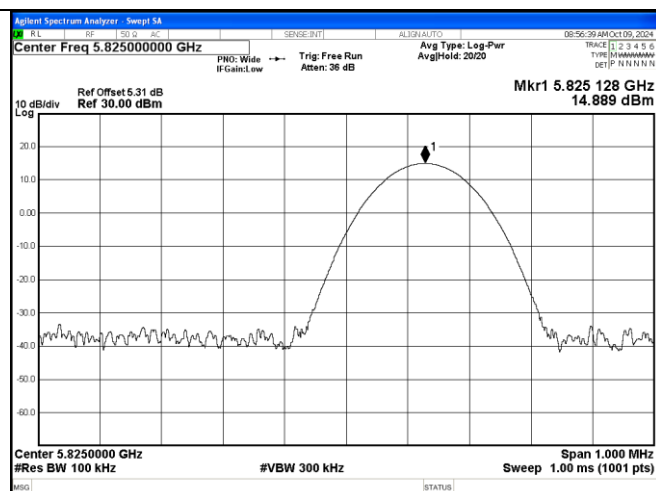
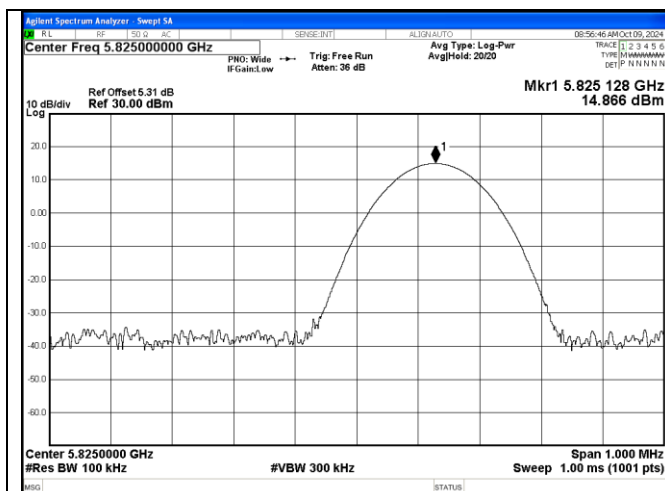


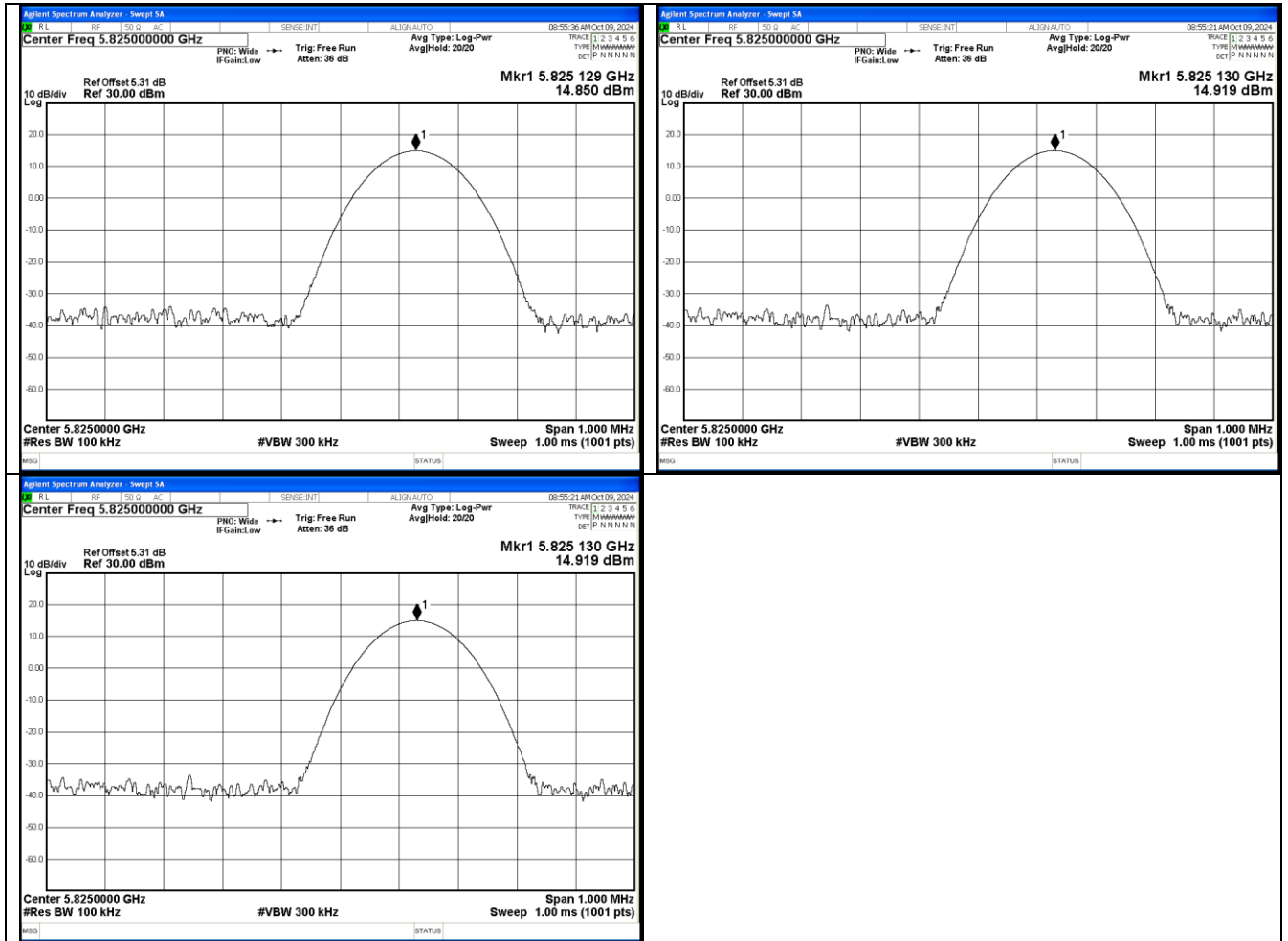
Frequency (MHz)	Voltage (V)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5500	5 Vdc	0	5500.11	20.00	25	Pass
		10	5500.11	20.00	25	Pass
		20	5500.11	20.00	25	Pass
		30	5500.11	20.00	25	Pass
		40	5500.1105	20.09	25	Pass
		50	5500.1105	20.09	25	Pass
	4.25 Vdc	25	5500.111	20.18	25	Pass
	5.75 Vdc	25	5500.112	20.36	25	Pass
			5500.1165	21.18	25	Pass





Frequency (MHz)	Voltage (V)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5825	5 Vdc	0	5825.128	21.97	25	Pass
		10	5825.128	21.97	25	Pass
		20	5825.128	21.97	25	Pass
		30	5825.128	21.97	25	Pass
		40	5825.128	21.97	25	Pass
		50	5825.128	21.97	25	Pass
		60	5825.128	21.97	25	Pass
	4.25 Vdc	25	5825.1285	22.06	25	Pass
	5.75 Vdc	25	5825.13	22.32	25	Pass





Appendix A.5 Test Results of Conducted Power Spectral Density

802.11a mode:								
CH	Freq.	FCC PSD (dBm/MHz)		IC EIRP PSD (dBm/MHz)		IC Limit (dBm/MHz)	FCC Limit (dBm/MHz)	Result
		ANT1	ANT2	ANT1	ANT2			
36	5180	4.18	4.819	7.26	7.899	10	11	Pass
44	5200	3.548	4.547	6.628	7.627	10	11	Pass
48	5240	3.397	4.406	6.477	7.486	10	11	Pass

CH	Freq.	FCC PSD (dBm/MHz)		IC PSD (dBm/MHz)		IC Limit (dBm/MHz)	FCC Limit (dBm/MHz)	Result
		ANT1	ANT2	ANT1	ANT2			
52	5260	3.197	4.329	3.197	4.329	11	11	Pass
56	5300	3.179	4.463	3.179	4.463	11	11	Pass
64	5320	3.375	4.09	3.375	4.09	11	11	Pass
100	5500	4.44	5.599	4.44	5.599	11	11	Pass
116	5580	4.821	6.971	4.821	6.971	11	11	Pass
140	5700	4.911	6.97	4.911	6.97	11	11	Pass

CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
149	5745	1.326	1.722	/	30	Pass
157	5785	0.853	3.011	/	30	Pass
165	5825	2.378	2.826	/	30	Pass

Note:

Antenna gain(G) of 802.11 a/n/ac: 5150MHz to 5350MHz: 3.08 dBi, 5470MHz to 5725MHz: 3.28 dBi, 5725MHz to 5850MHz: 2.55 dBi(ANT1&2).

