

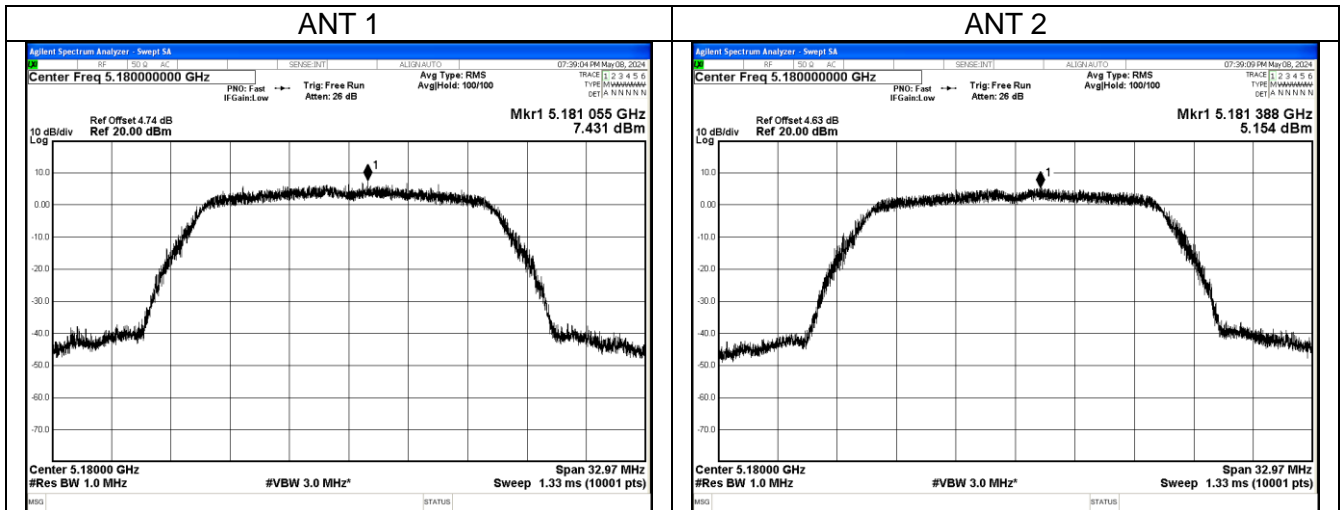
Appendix A.5 Test Results of Conducted Power Spectral Density

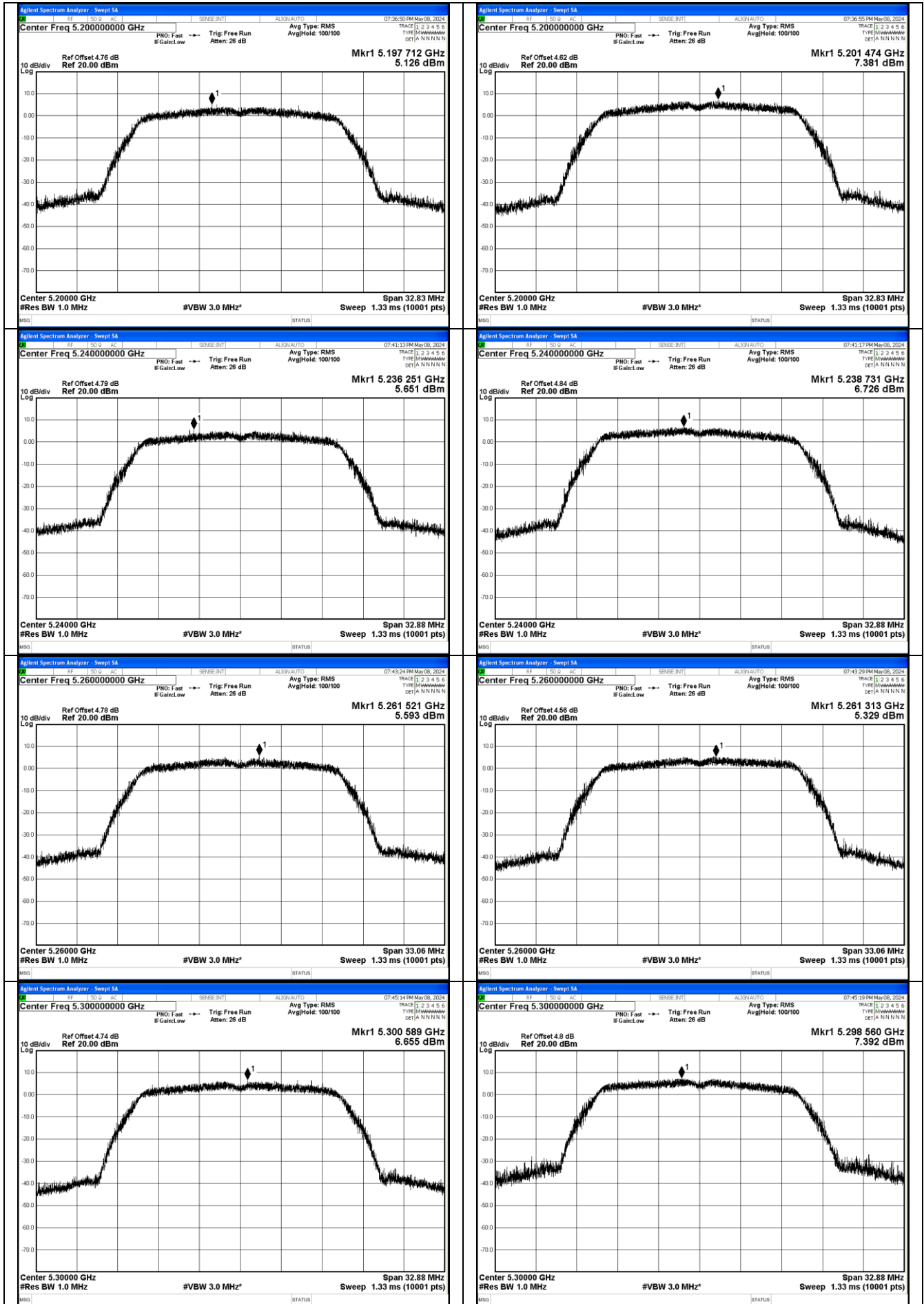
802.11a mode:						
CH	Freq.	ANT1_Power Spectral Density (dBm/MHz)	ANT2_Power Spectral Density (dBm/MHz)	Total_Power Spectral Density (dBm/MHz)	FCC Limit (dBm/MHz)	Result
36	5180	7.431	5.154	/	11	Pass
44	5200	5.126	7.381	/	11	Pass
48	5240	5.651	6.726	/	11	Pass
52	5260	5.593	5.329	/	11	Pass
56	5300	6.655	7.392	/	11	Pass
64	5320	7.197	5.457	/	11	Pass
100	5500	8.55	6.566	/	11	Pass
116	5580	7.309	7.03	/	11	Pass
140	5700	6.188	7.814	/	11	Pass

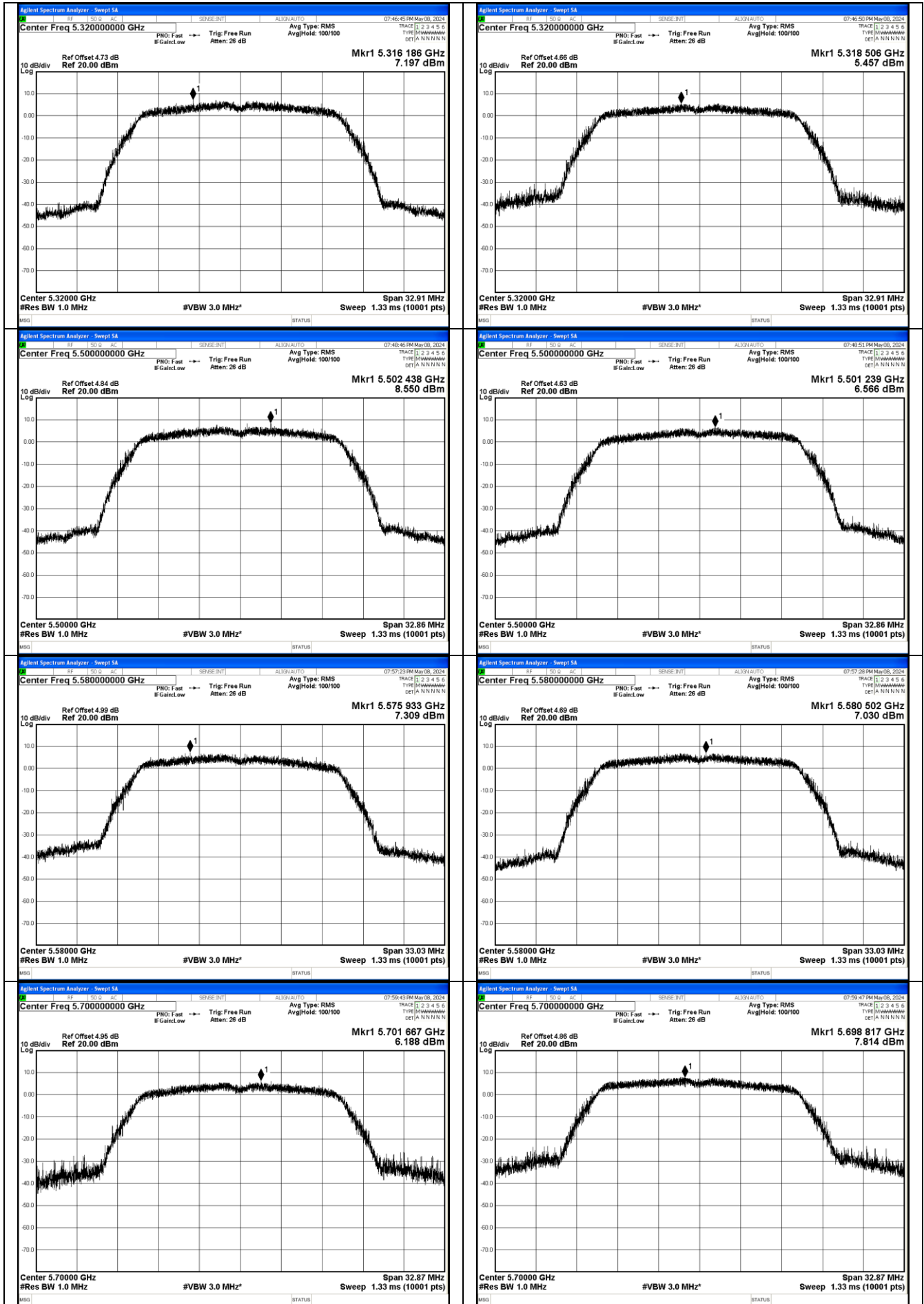
Note:

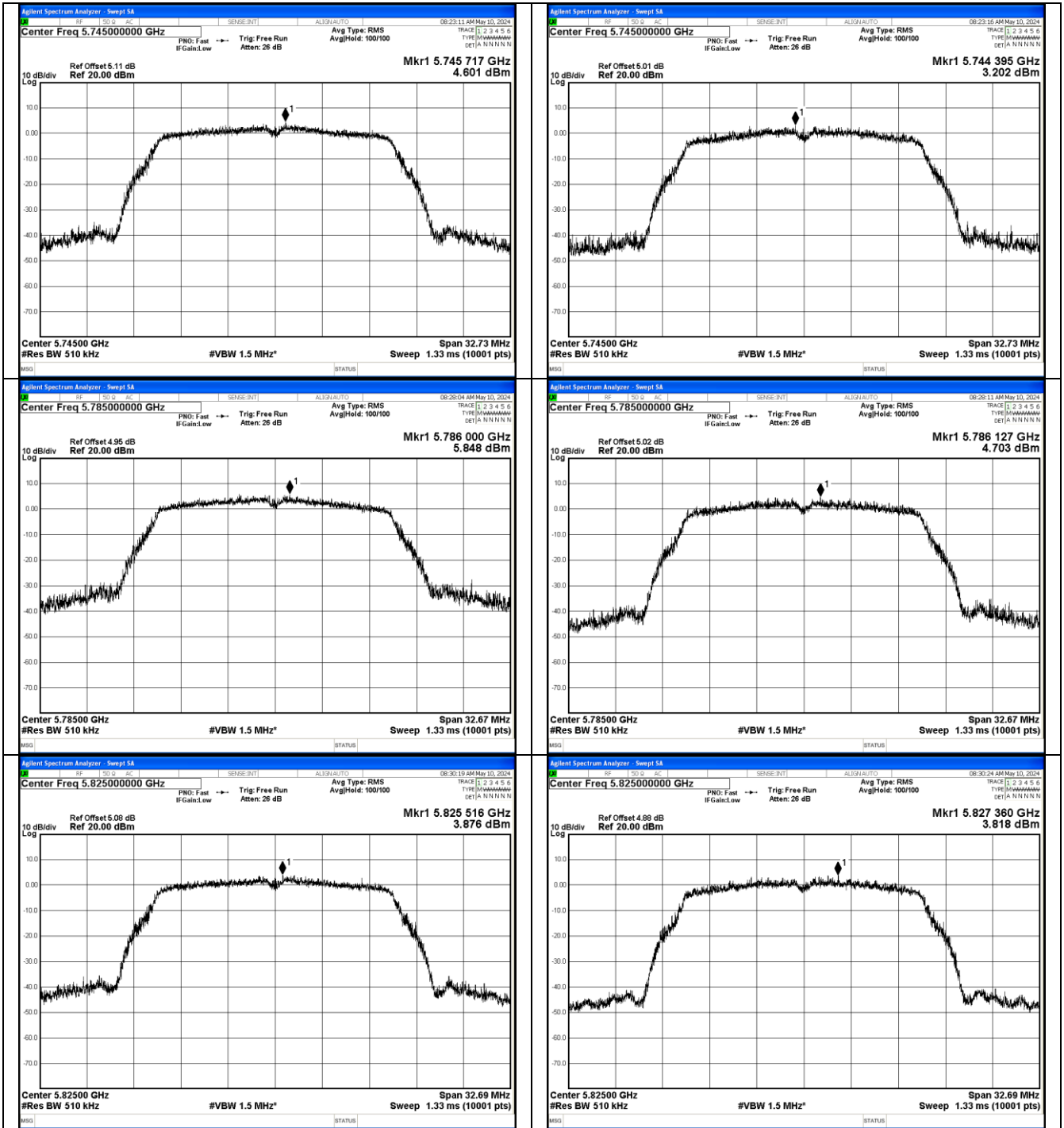
1) Antenna gain(G) of 802.11 a/n/ac: 3.79 dBi(ANT1&2 for 5150-5350MHz, 5470-5725MHz), and 3.52 dBi(ANT1&2 for 5725-5850MHz).

CH	Freq.	ANT1_Power Spectral Density (dBm/500KHz)	ANT2_Power Spectral Density (dBm/500K Hz)	Total_Power Spectral Density (dBm/500K Hz)	Limit (dBm/500KHz)	Result
149	5745	4.601	3.202	/	30	Pass
157	5785	5.848	4.703	/	30	Pass
165	5825	3.876	3.818	/	30	Pass







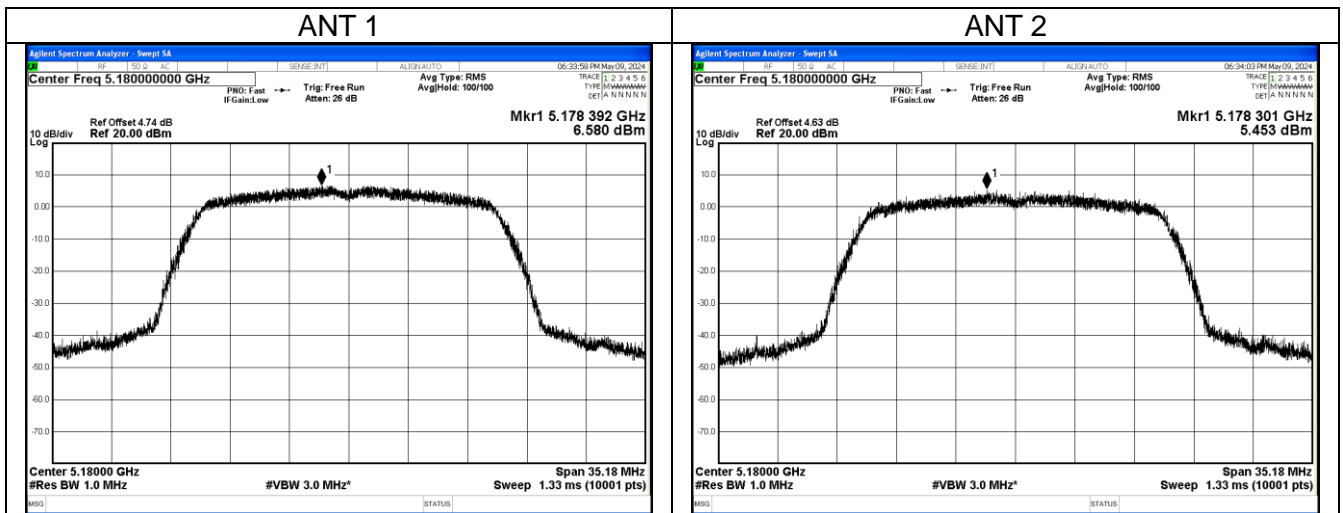


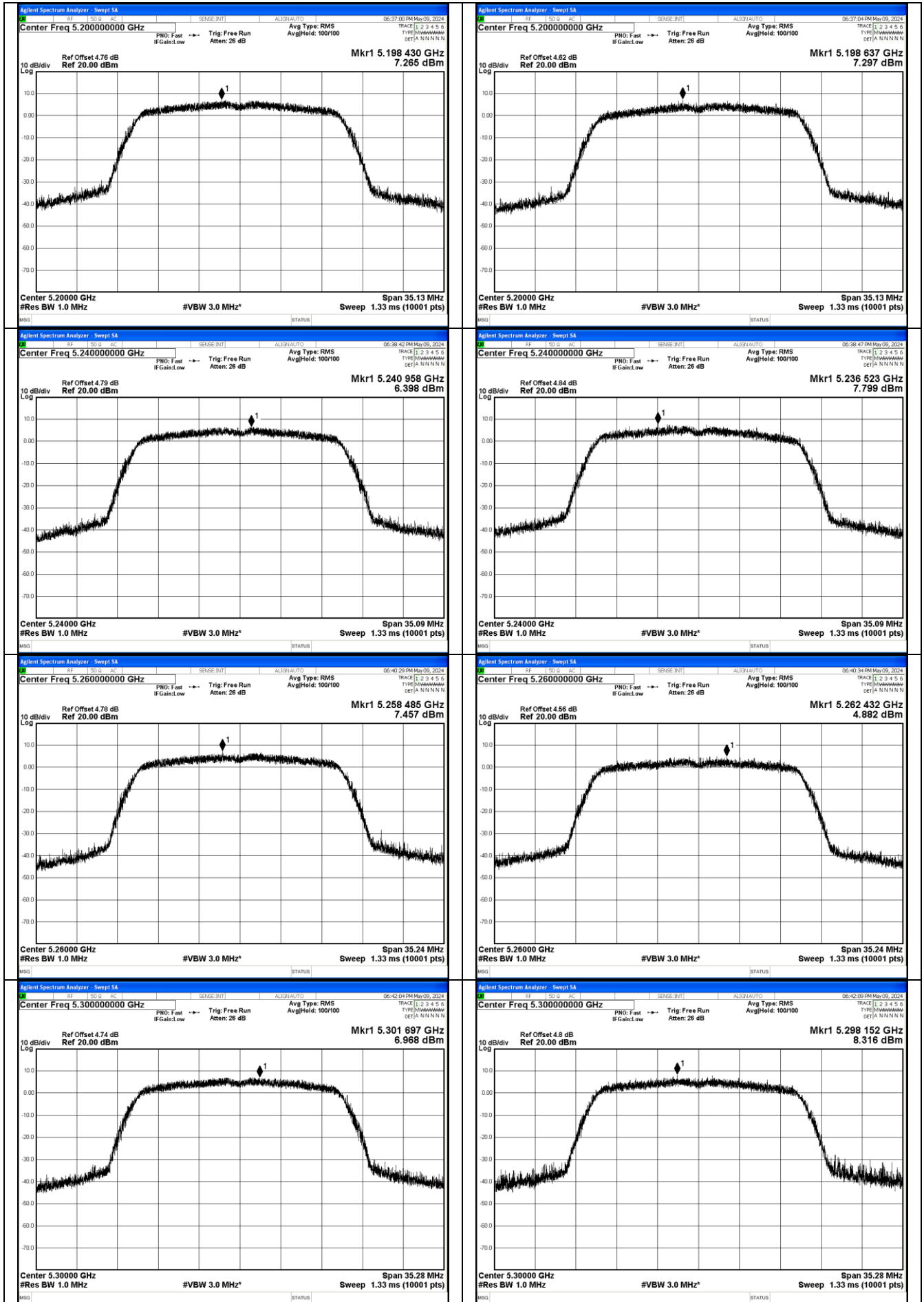
802.11n20 mode:						
CH	Freq.	ANT1_Power Spectral Density (dBm/MHz)	ANT2_Power Spectral Density (dBm/MHz)	Total_Power Spectral Density (dBm/MHz)	FCC Limit (dBm/MHz)	Result
36	5180	6.58	5.453	9.063	11	Pass
44	5200	7.265	7.297	10.291	11	Pass
48	5240	6.398	7.799	10.165	11	Pass
52	5260	7.457	4.882	9.368	11	Pass
56	5300	6.968	8.316	10.704	11	Pass
64	5320	7.022	6.49	9.774	11	Pass
100	5500	7.553	6.088	9.892	11	Pass
116	5580	6.925	5.184	9.151	11	Pass
140	5700	7.364	7.725	10.559	11	Pass

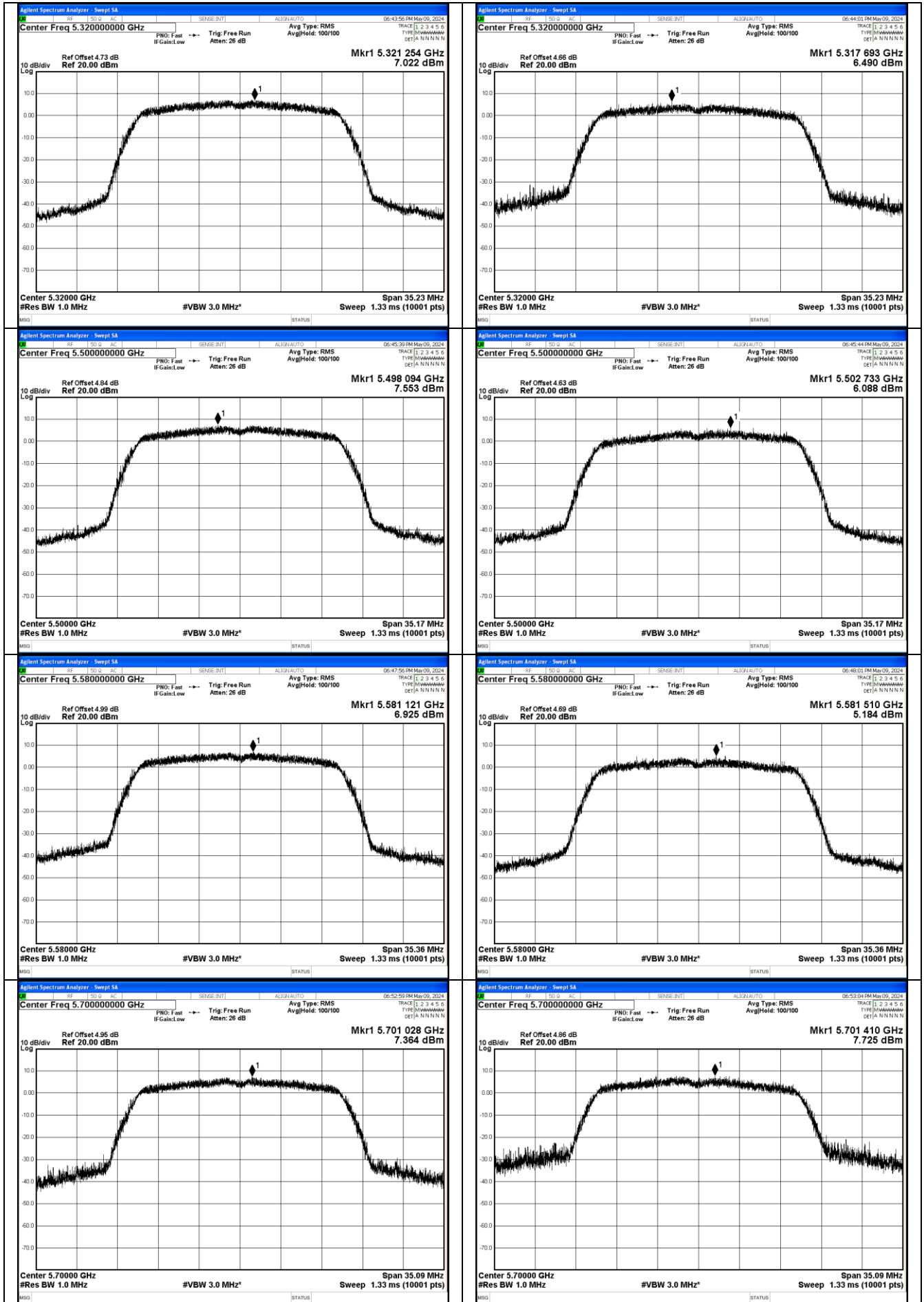
Note:

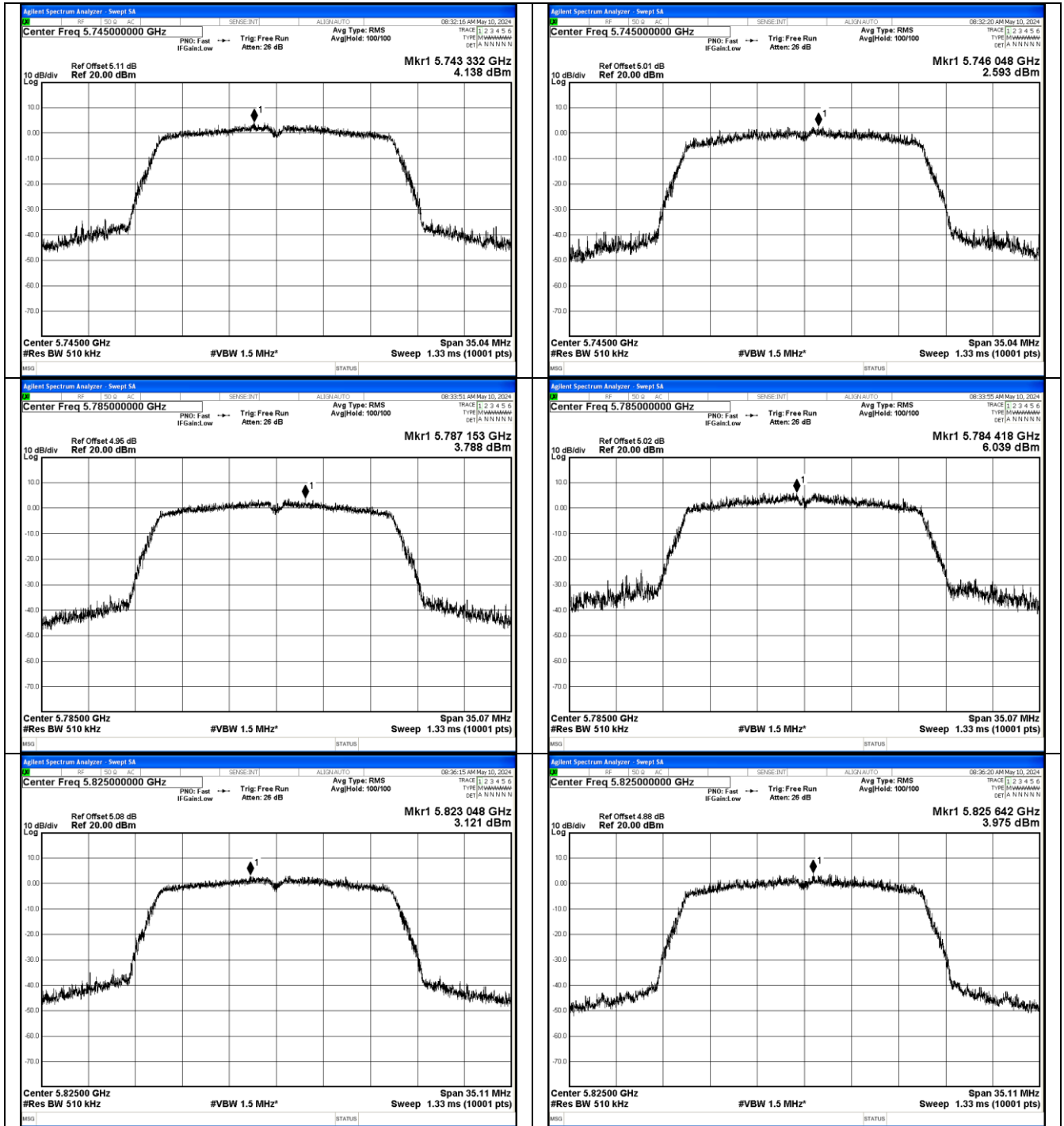
1) Antenna gain(G) of 802.11 a/n/ac: 3.79 dBi(ANT1&2 for 5150-5350MHz, 5470-5725MHz), and 3.52 dBi(ANT1&2 for 5725-5850MHz).

CH	Freq.	ANT1_Power Spectral Density (dBm/500KHz)	ANT2_Power Spectral Density (dBm/500K Hz)	Total_Power Spectral Density (dBm/500K Hz)	Limit (dBm/500KHz)	Result
149	5745	4.138	2.593	6.444	30	Pass
157	5785	3.788	6.039	8.068	30	Pass
165	5825	3.121	3.975	6.579	30	Pass







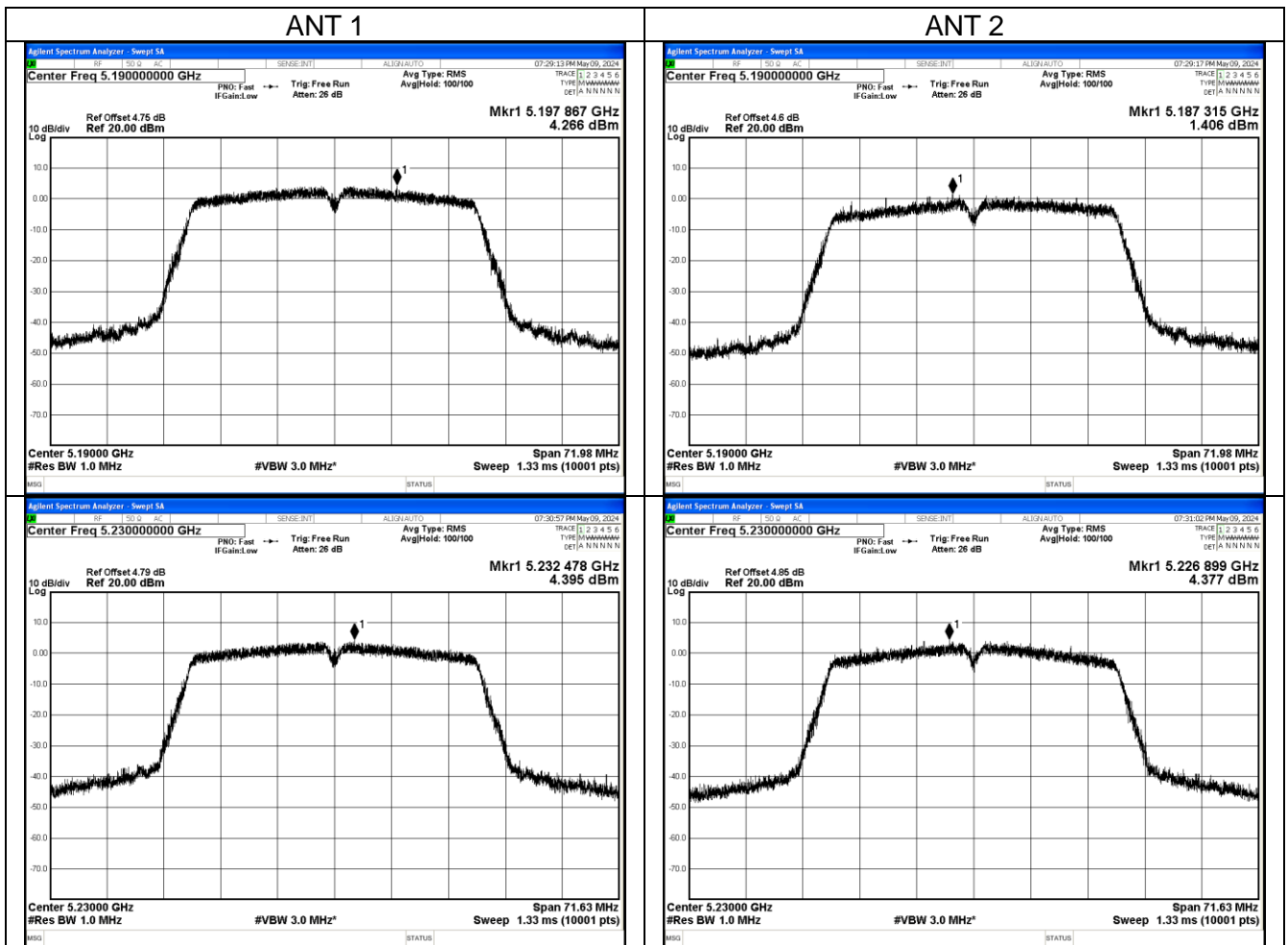


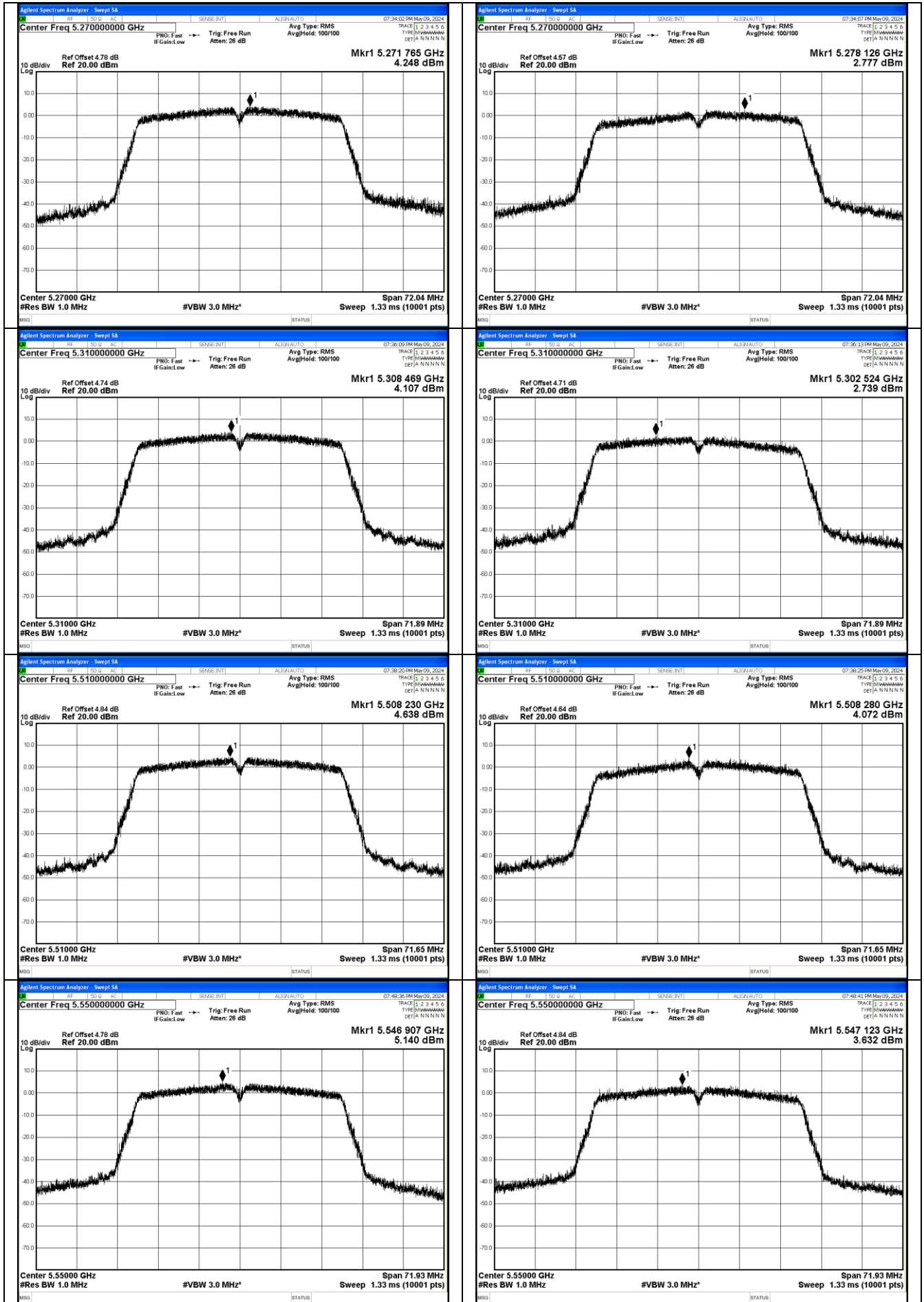
802.11n40 mode:						
CH	Freq.	ANT1_Power Spectral Density (dBm/MHz)	ANT2_Power Spectral Density (dBm/MHz)	Total_Power Spectral Density (dBm/MHz)	FCC Limit (dBm/MHz)	Result
38	5190	4.266	1.406	6.078	11	Pass
46	5230	4.395	4.377	7.396	11	Pass
54	5270	4.248	2.777	6.585	11	Pass
62	5310	4.107	2.739	6.487	11	Pass
102	5510	4.638	4.072	7.375	11	Pass
110	5550	5.14	3.632	7.461	11	Pass
134	5670	3.773	2.833	6.339	11	Pass

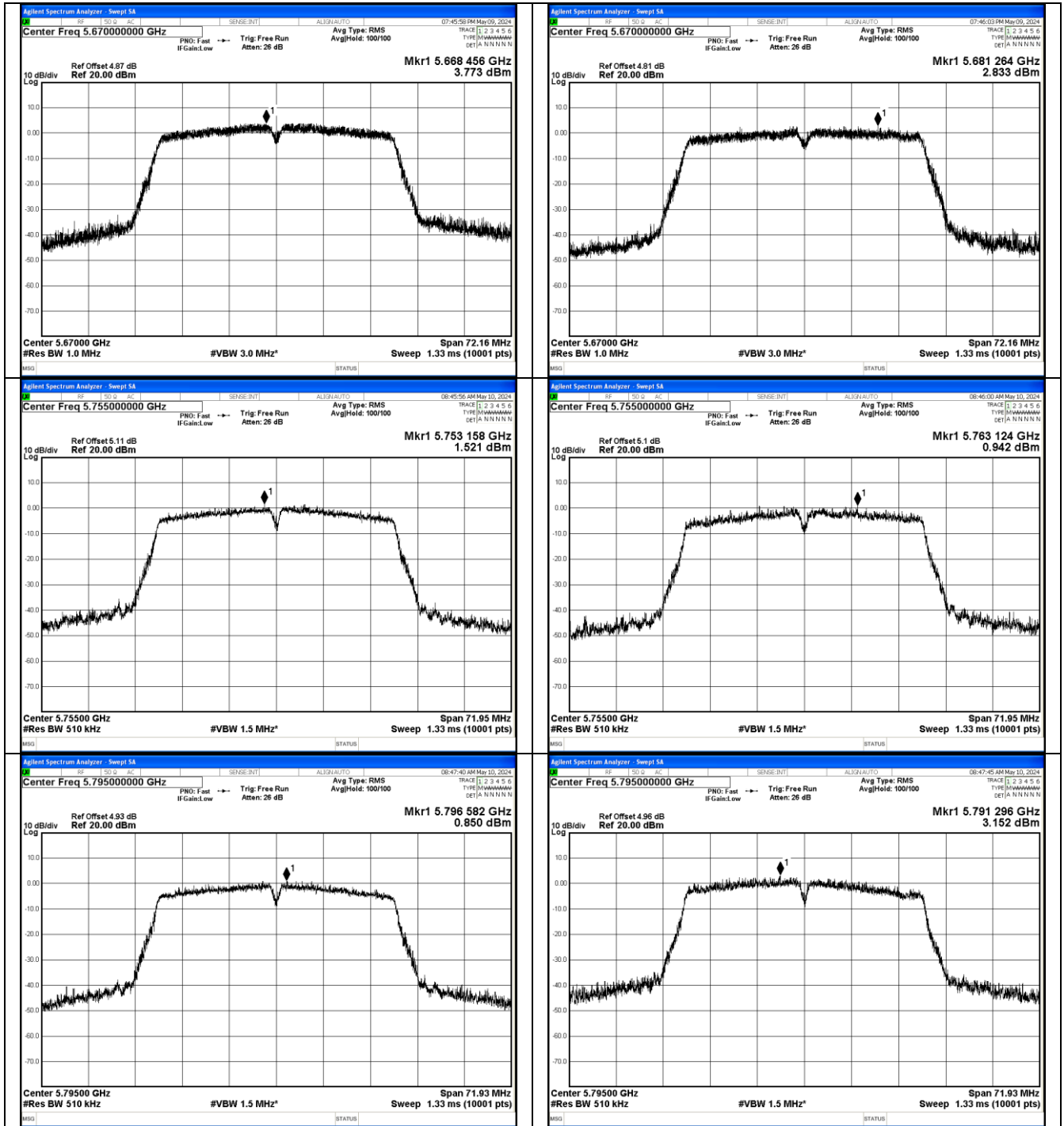
Note:

1) Antenna gain(G) of 802.11 a/n/ac: 3.79 dBi(ANT1&2 for 5150-5350MHz, 5470-5725MHz), and 3.52 dBi(ANT1&2 for 5725-5850MHz).

CH	Freq.	ANT1_Power Spectral Density (dBm/500KHz)	ANT2_Power Spectral Density (dBm/500K Hz)	Total_Power Spectral Density (dBm/500K Hz)	Limit (dBm/500KHz)	Result
151	5755	1.521	0.942	4.251	30	Pass
159	5795	0.85	3.152	5.162	30	Pass







802.11ac20 mode:

CH	Freq.	ANT1_Power Spectral Density (dBm/MHz)	ANT2_Power Spectral Density (dBm/MHz)	Total_Power Spectral Density (dBm/MHz)	FCC Limit (dBm/MHz)	Result
36	5180	6.767	3.509	8.447	11	Pass
44	5200	7.195	4.97	9.234	11	Pass
48	5240	7.011	6.933	9.982	11	Pass
52	5260	6.191	4.786	8.555	11	Pass
56	5300	7.106	6.795	9.964	11	Pass
64	5320	6.895	4.676	8.936	11	Pass
100	5500	7.135	5.542	9.421	11	Pass
116	5580	7.325	5.402	9.479	11	Pass
140	5700	6.996	7.869	10.465	11	Pass

Note:

1) Antenna gain(G) of 802.11 a/n/ac: 3.79 dBi(ANT1&2 for 5150-5350MHz, 5470-5725MHz), and 3.52 dBi(ANT1&2 for 5725-5850MHz).

CH	Freq.	ANT1_Power Spectral Density (dBm/500KHz)	ANT2_Power Spectral Density (dBm/500K Hz)	Total_Power Spectral Density (dBm/500K Hz)	Limit (dBm/500KHz)	Result
149	5745	3.661	3.531	6.607	30	Pass
157	5785	3.784	7.061	8.735	30	Pass
165	5825	3.571	3.895	6.746	30	Pass

