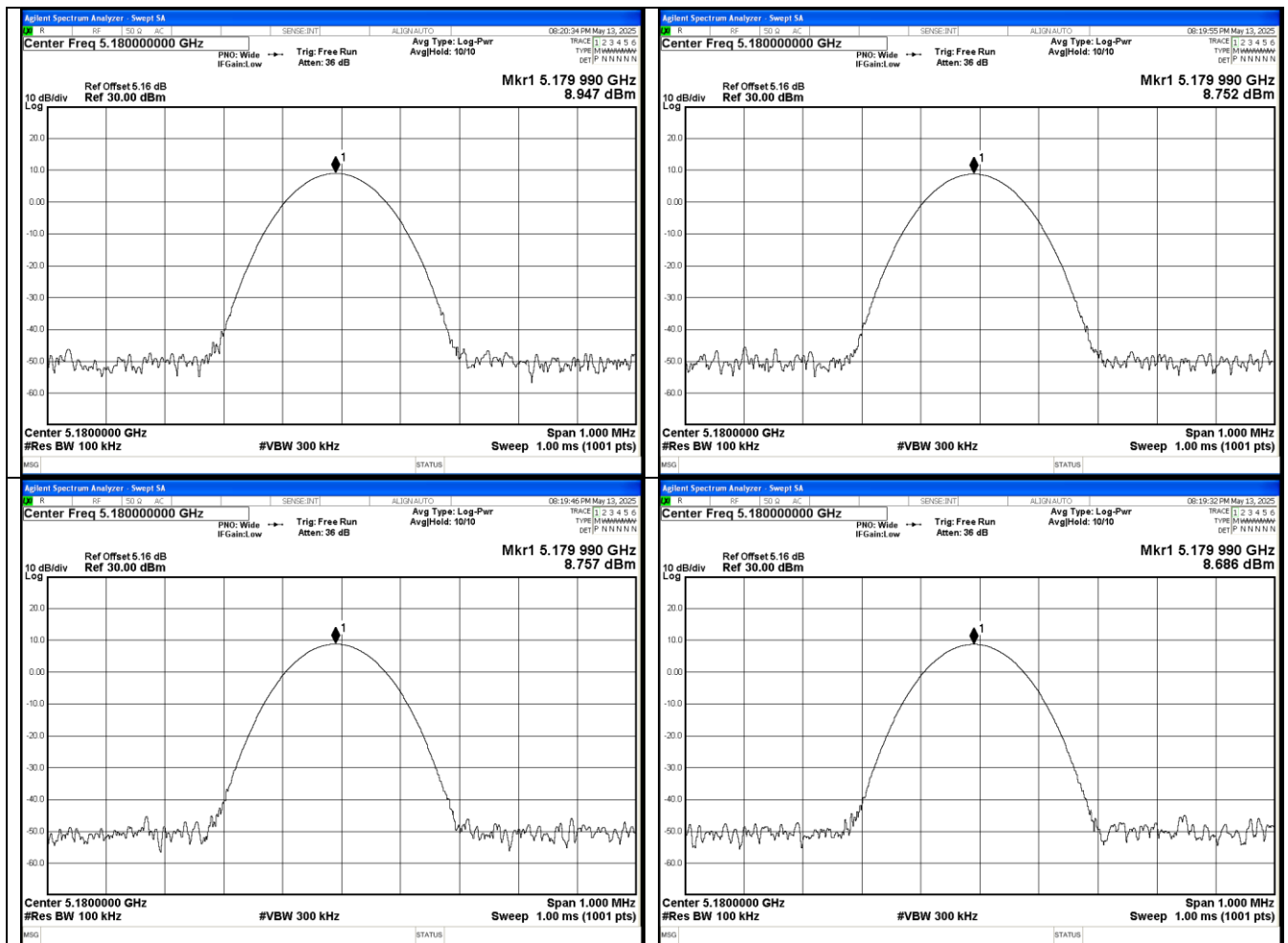
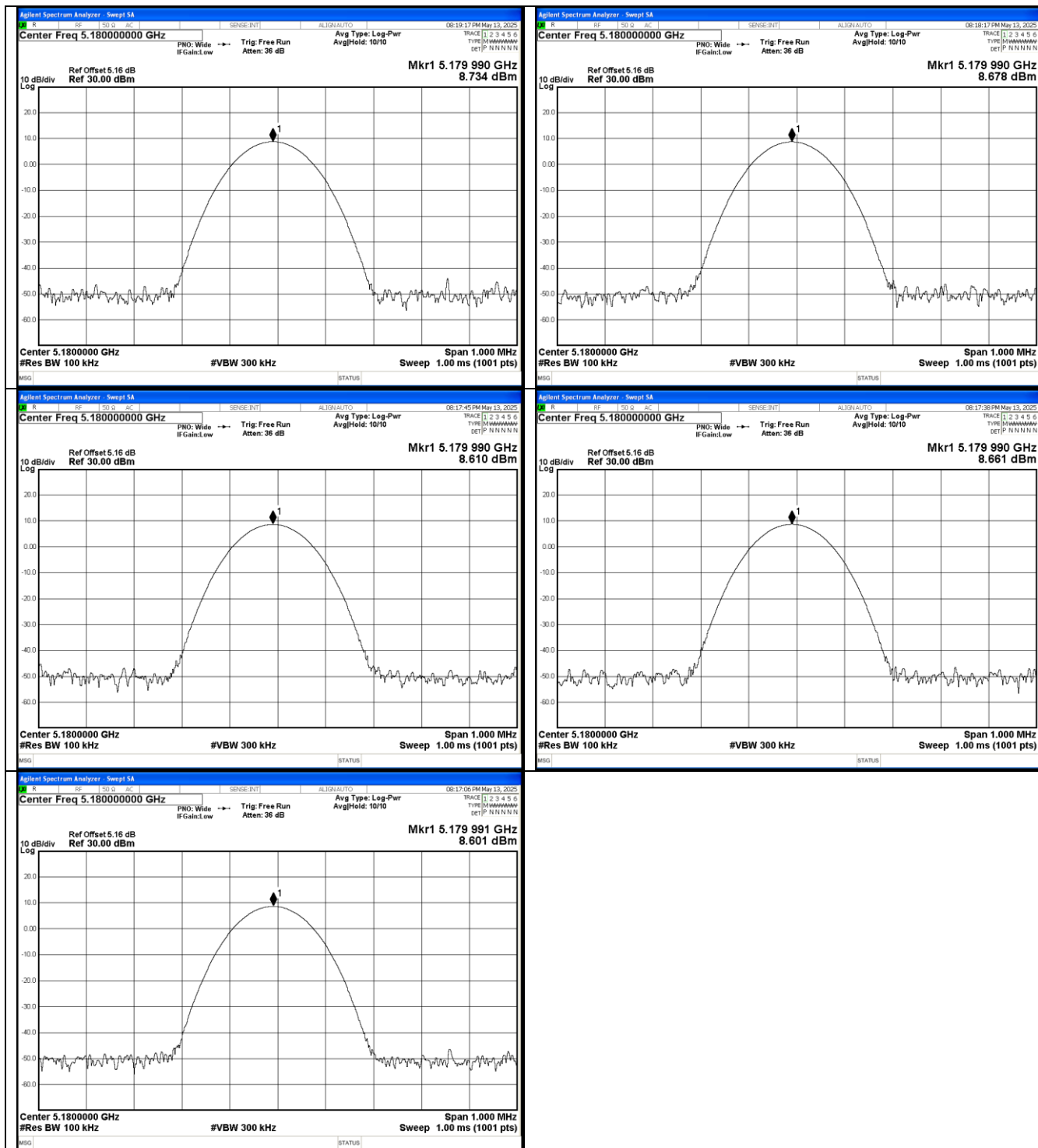


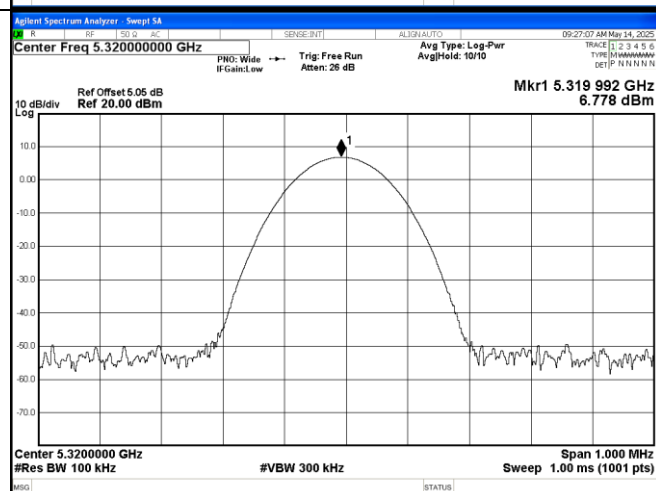
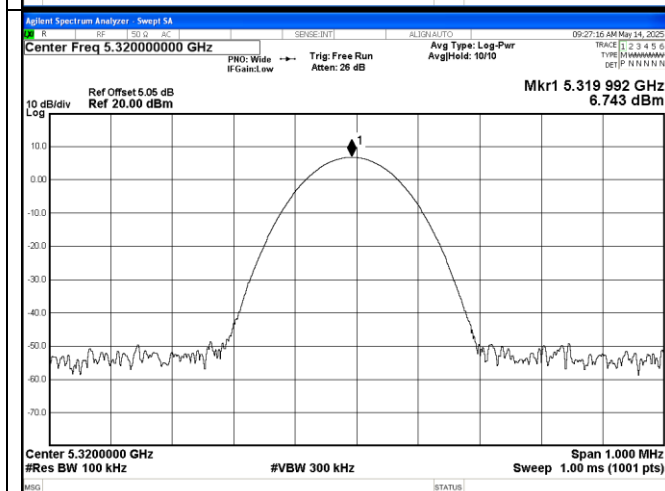
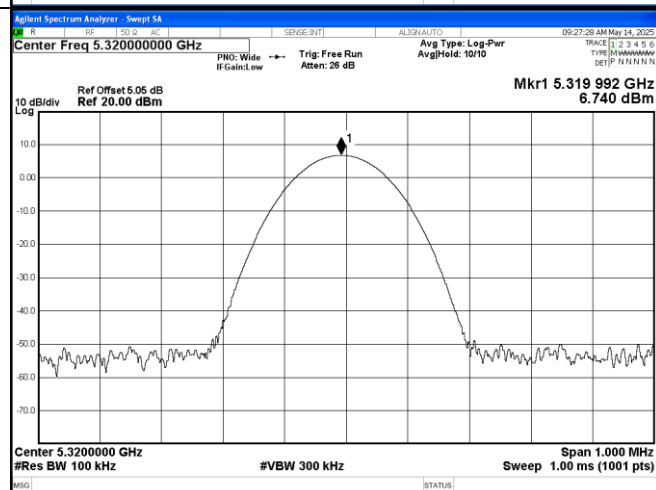
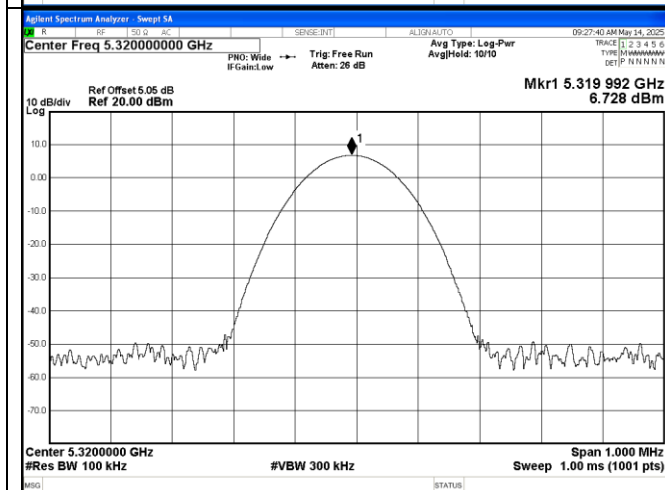
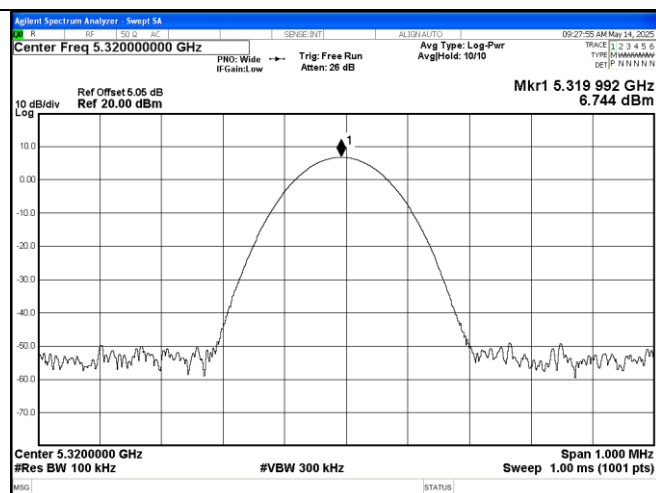
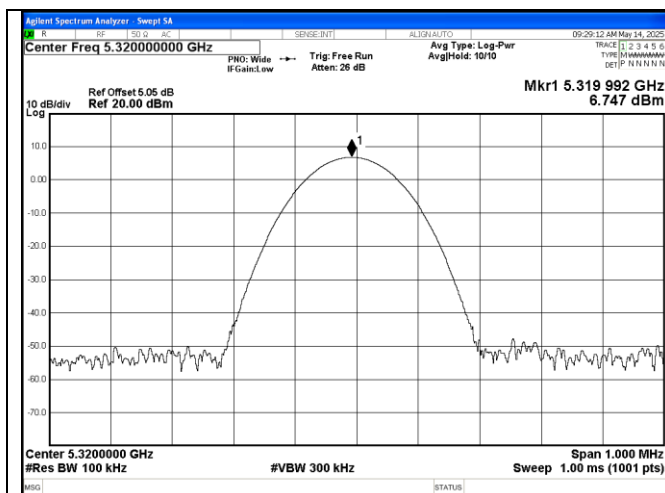
Appendix A.4 Test Results of Frequency Stability

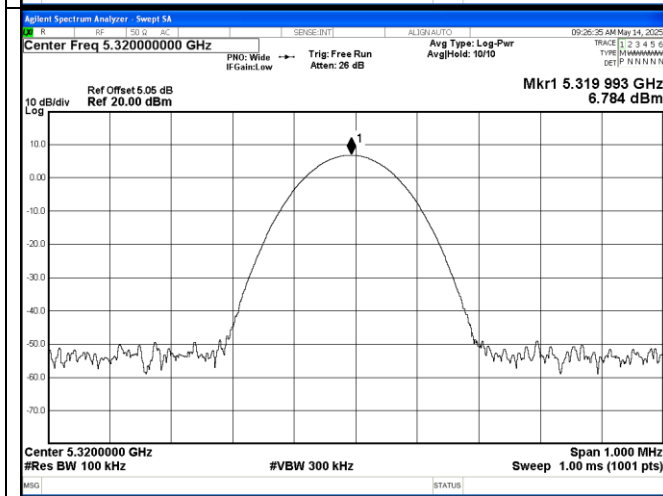
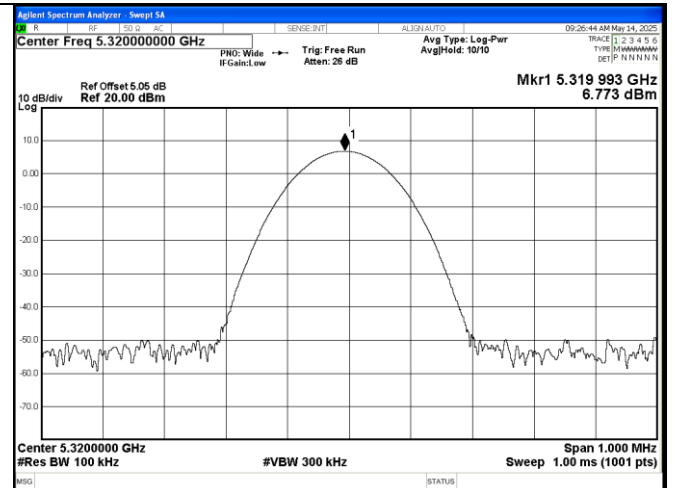
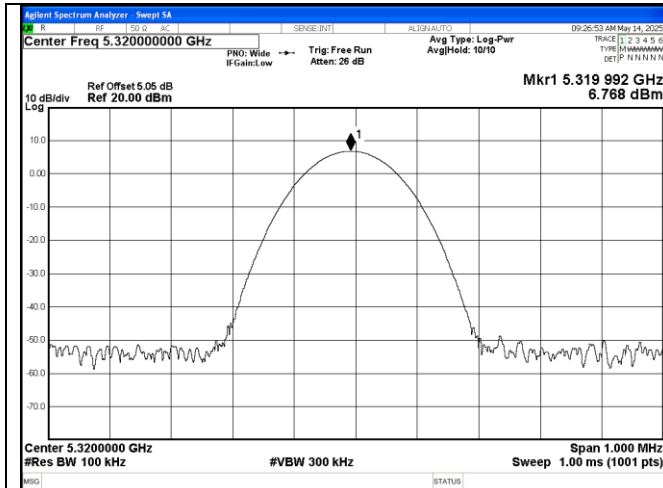
Frequency (MHz)	Voltage (V)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5180	110 V	-5	5179.99	1.93	25	Pass
		0	5179.99	1.93	25	Pass
		10	5179.99	1.93	25	Pass
		20	5179.99	1.93	25	Pass
		30	5179.99	1.93	25	Pass
		40	5179.99	1.93	25	Pass
		50	5179.99	1.93	25	Pass
	93.5 V	25	5179.99	1.93	25	Pass
	126.5 V	25	5179.9905	1.83	25	Pass



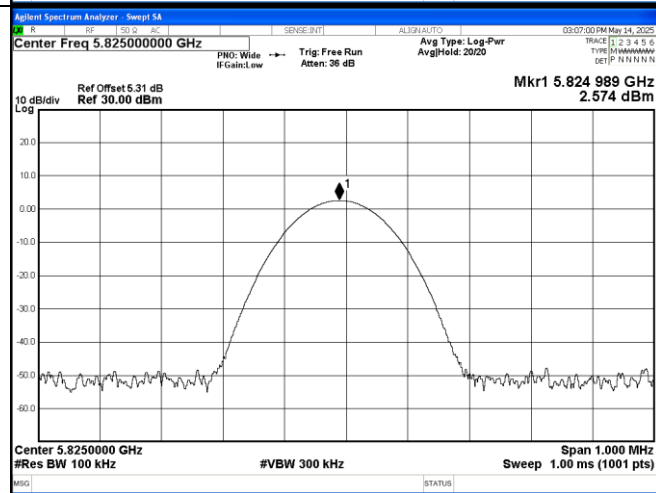
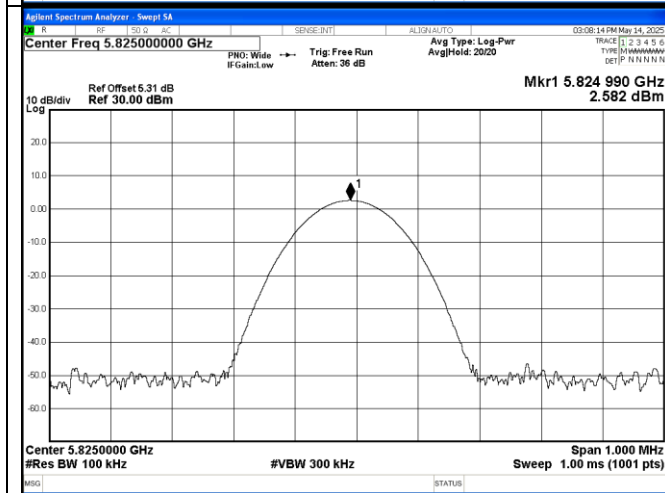
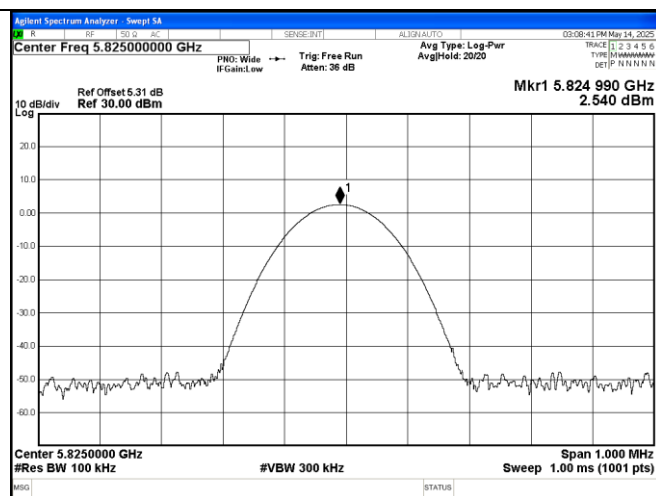
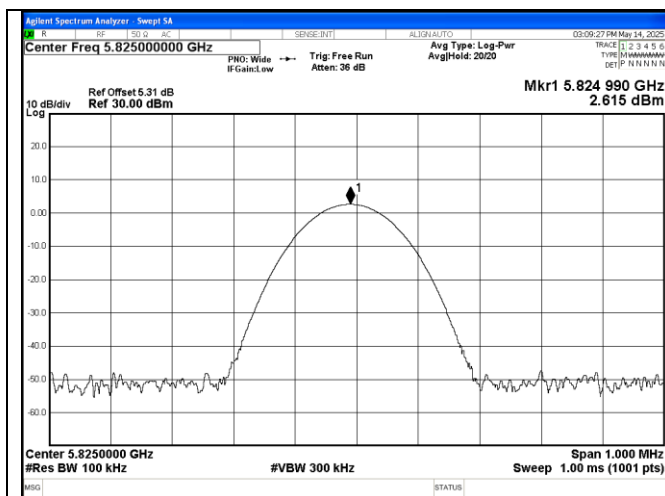


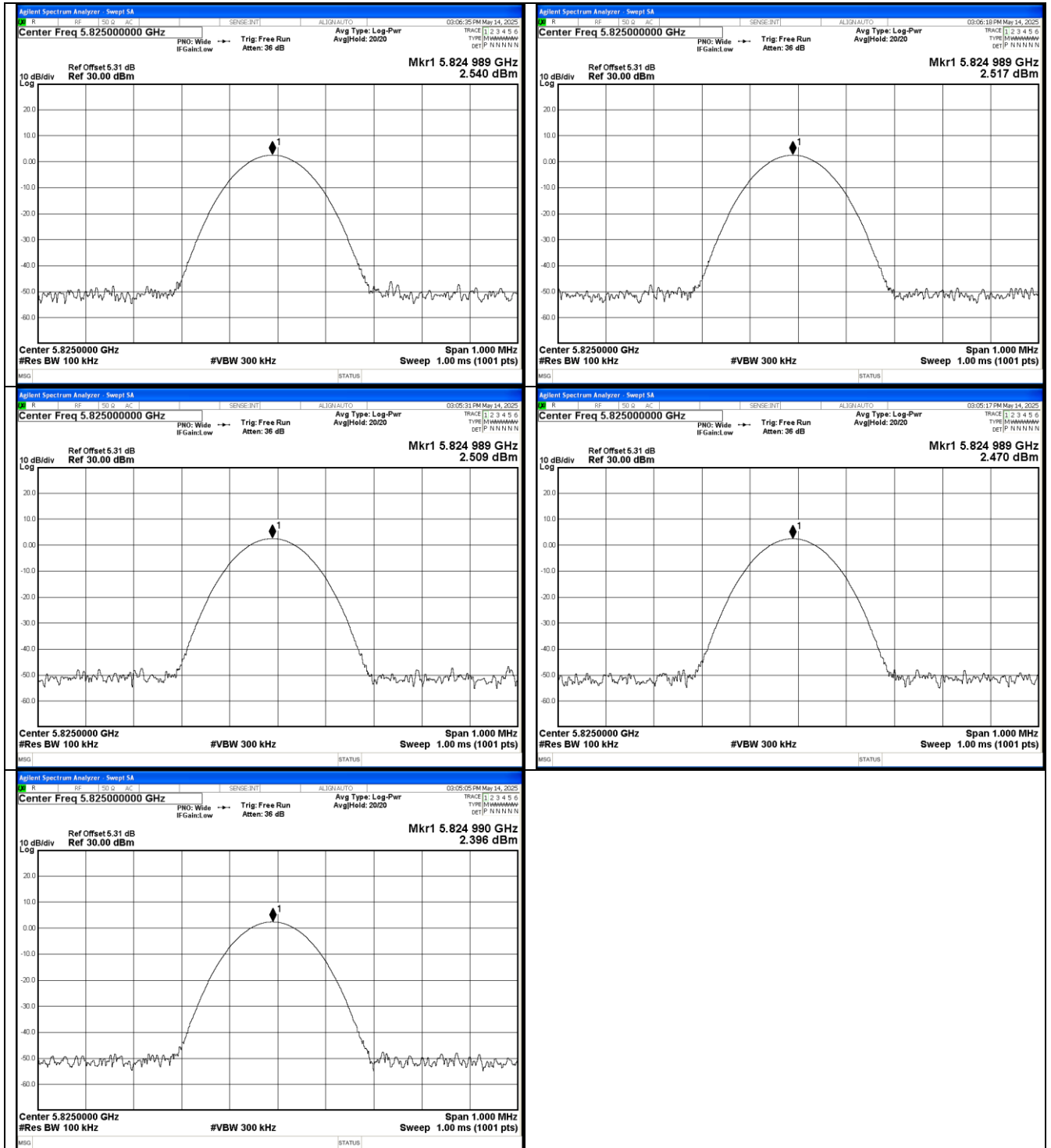
Frequency (MHz)	Voltage (V)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5320	110 V	-5	5319.992	1.5	25	Pass
		0	5319.992	1.5	25	Pass
		10	5319.992	1.5	25	Pass
		20	5319.992	1.5	25	Pass
		30	5319.992	1.5	25	Pass
		40	5319.992	1.5	25	Pass
		50	5319.992	1.5	25	Pass
	93.5 V	25	5319.9925	1.41	25	Pass
	126.5 V	25	5319.9925	1.41	25	Pass





Frequency (MHz)	Voltage (V)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5825	110 V	-5	5824.99	1.72	25	Pass
		0	5824.99	1.72	25	Pass
		10	5824.9895	1.8	25	Pass
		20	5824.989	1.89	25	Pass
		30	5824.989	1.89	25	Pass
		40	5824.989	1.89	25	Pass
		50	5824.989	1.89	25	Pass
	93.5 V	25	5824.989	1.89	25	Pass
	126.5 V	25	5824.9895	1.8	25	Pass





Appendix A.5 Test Results of Conducted Power Spectral Density

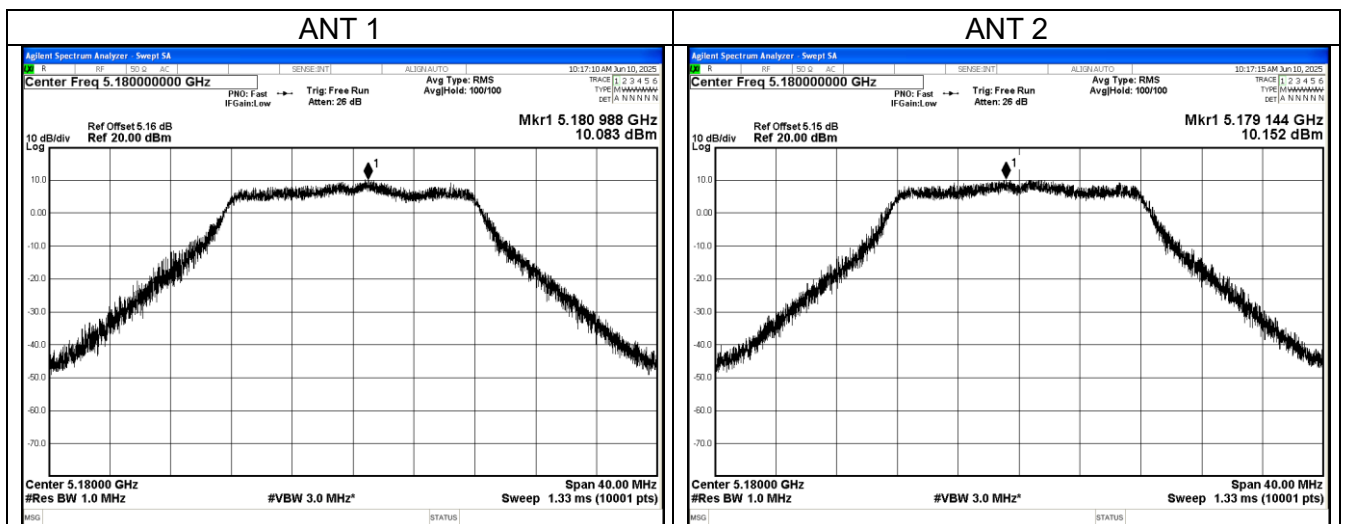
802.11a mode:					
CH	Freq.	FCC PSD (dBm/MHz)		FCC Limit (dBm/MHz)	Result
		ANT1	ANT2		
36	5180	10.083	10.152	17	Pass
44	5200	10.102	10.739	17	Pass
48	5240	7.812	10.381	17	Pass

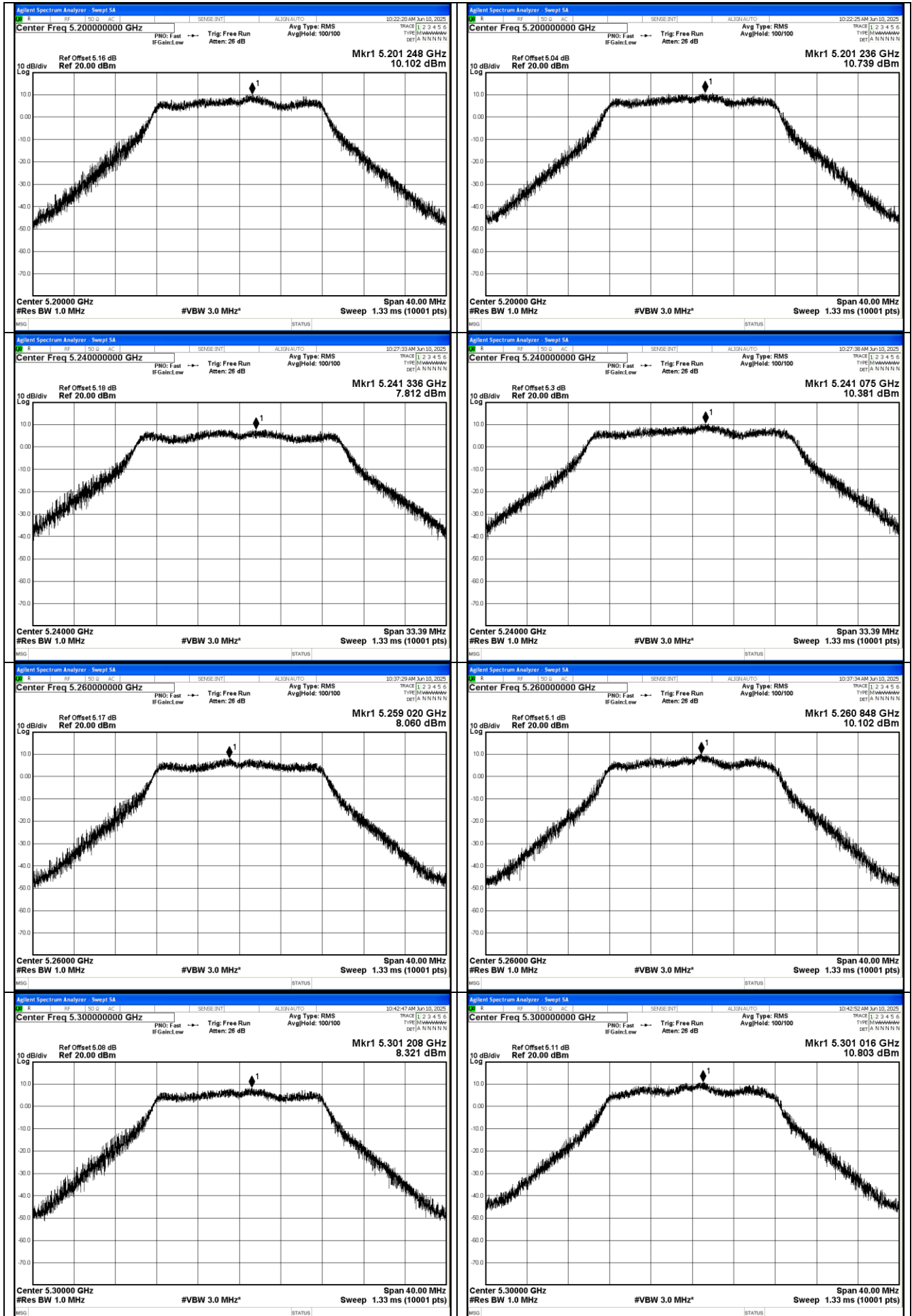
CH	Freq.	FCC PSD (dBm/MHz)		FCC Limit (dBm/MHz)	Result
		ANT1	ANT2		
52	5260	8.06	10.102	11	Pass
56	5300	8.321	10.803	11	Pass
64	5320	8.305	10.744	11	Pass

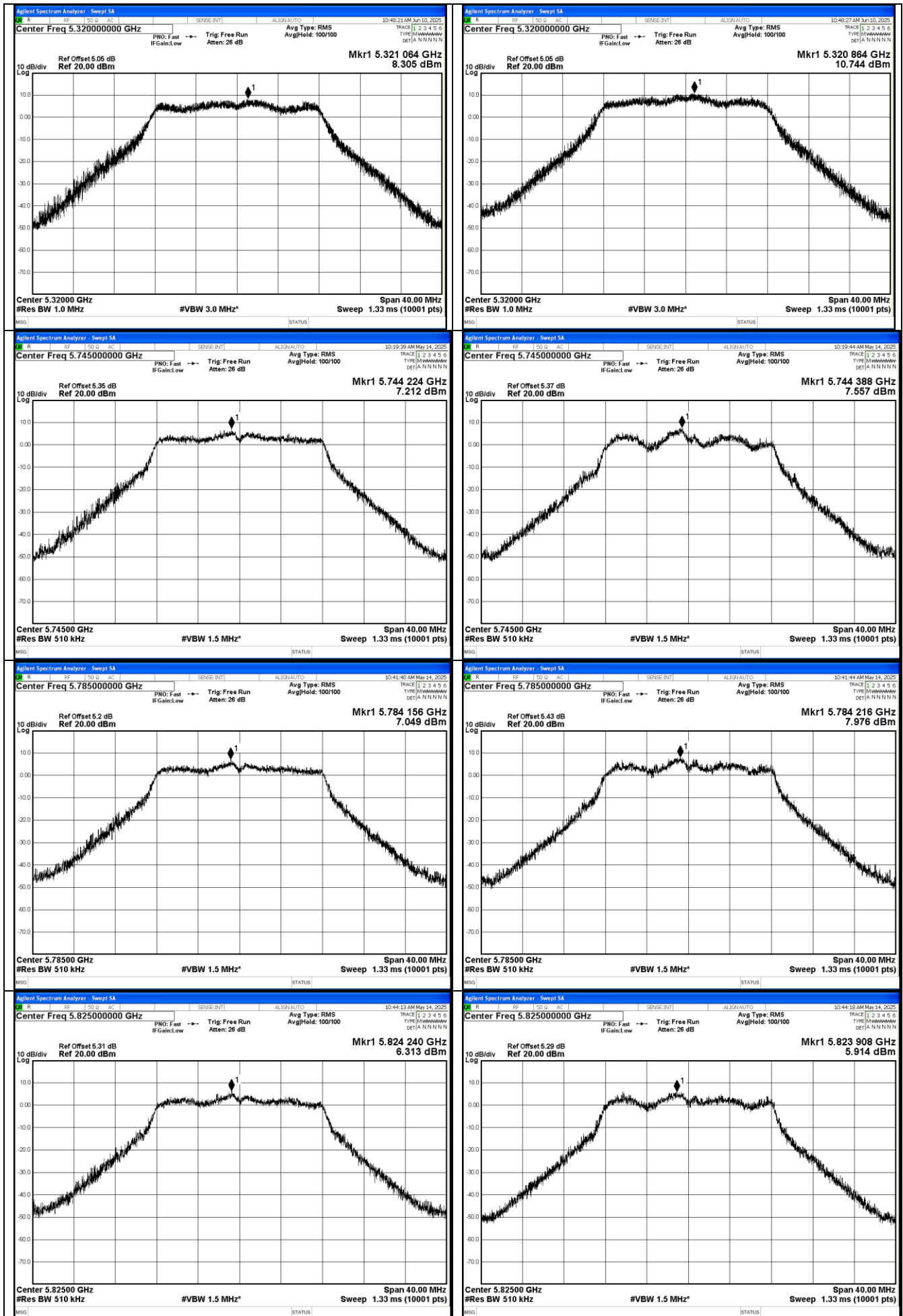
CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
149	5745	7.212	7.557	/	30	Pass
157	5785	7.049	7.976	/	30	Pass
165	5825	6.313	5.914	/	30	Pass

Note:

Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi, 5725MHz to 5850MHz: 4.68 dBi(ANT1&2).







802.11n HT20 mode:						
CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
36	5180	7.535	7.412	10.484	14.43	Pass
44	5200	7.403	7.118	10.273	14.43	Pass
48	5240	6.628	8.296	10.552	14.43	Pass

CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
52	5260	3.163	3.439	6.313	8.43	Pass
56	5300	3.193	4.361	6.826	8.43	Pass
64	5320	3.022	4.62	6.904	8.43	Pass

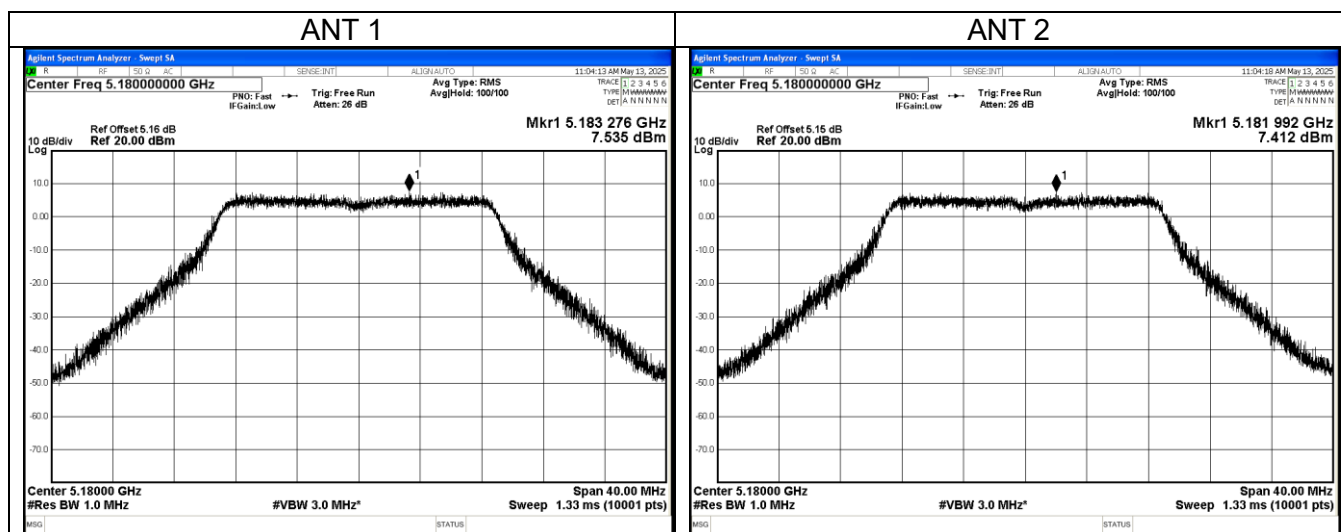
CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
149	5745	5.603	5.702	8.663	28.31	Pass
157	5785	6.781	6.374	9.593	28.31	Pass
165	5825	7.154	7.027	10.101	28.31	Pass

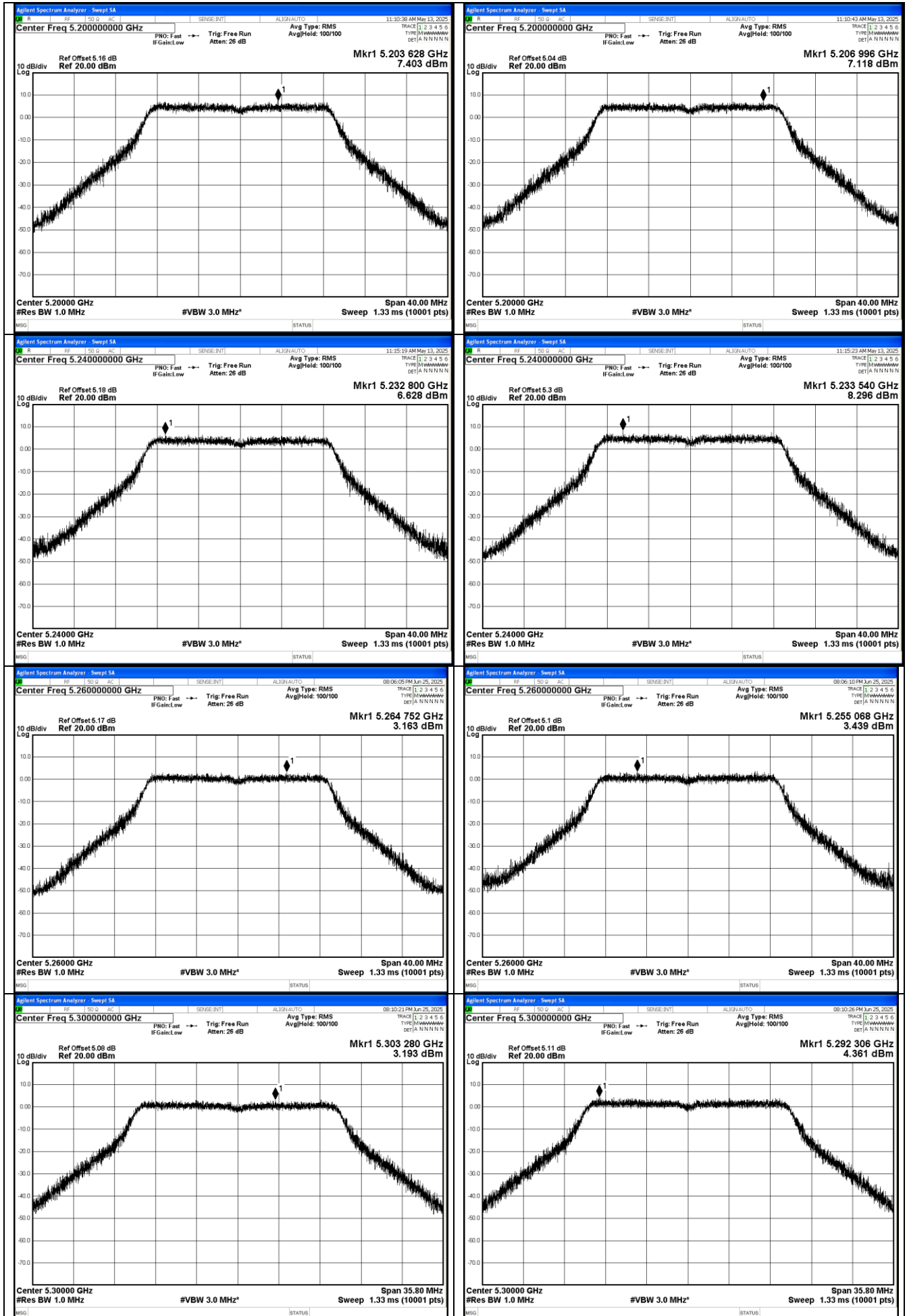
Note:

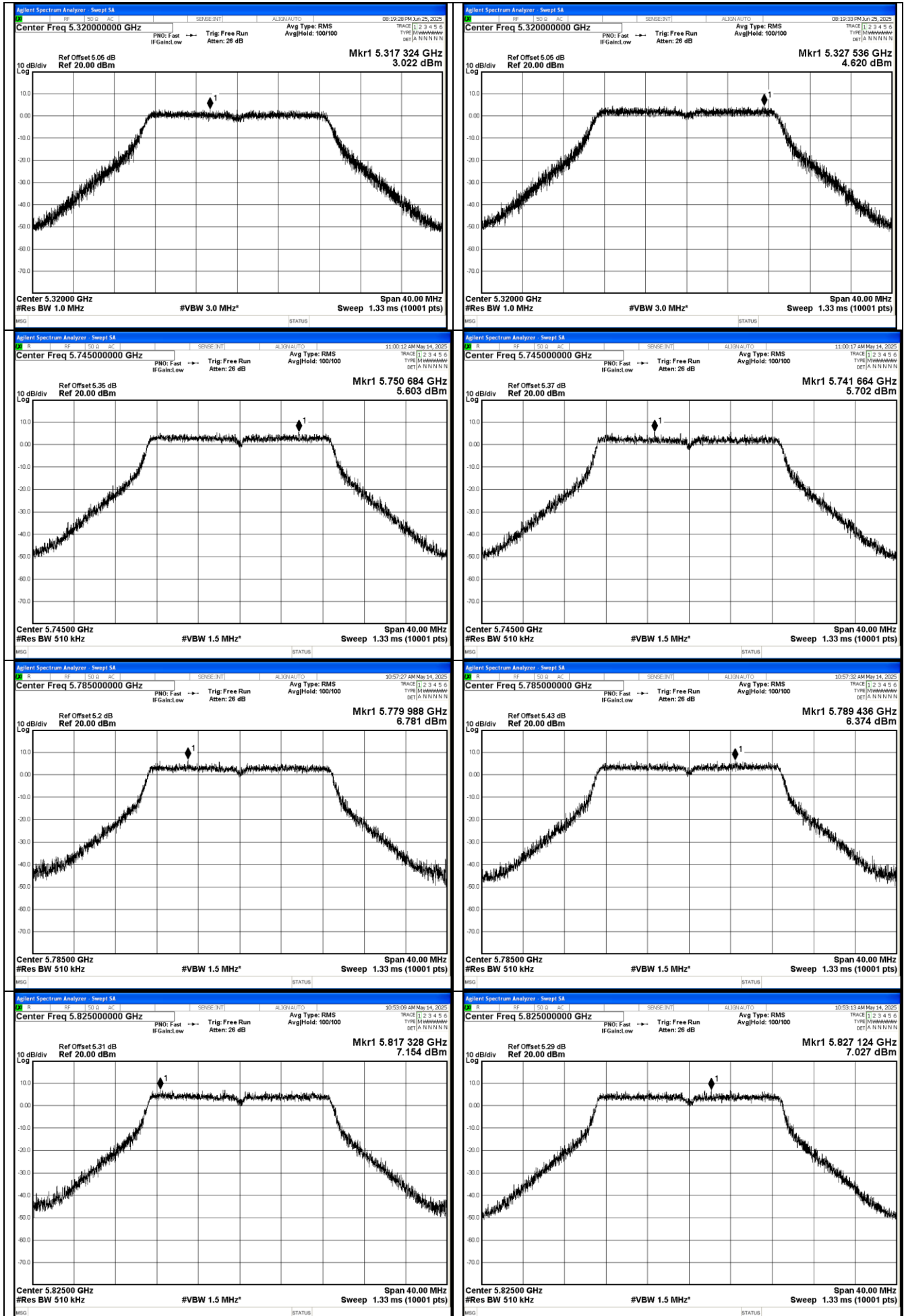
Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi, 5725MHz to 5850MHz: 4.68 dBi(ANT1&2).

For 802.11n, 802.11ac, 802.11ax and 802.11be, the EUT incorporates a MIMO function. The 5150MHz to 5350MHz: Antenna directional gain = GANT + Array Gain = 8.57 dBi, and 5725MHz to 5850MHz: Antenna directional gain = GANT + Array Gain = 7.69 dBi, where Array Gain = $10 \log(2/1) = 3.01$ dB.

The maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The band 5150MHz to 5250MHz: maximum power spectral density limit is $17-(8.57-6)=14.43$. The band 5250MHz to 5350MHz: maximum power spectral density limit is $11-(8.57-6)=8.43$. The band 5725MHz to 5850MHz: maximum power spectral density limit is $30-(7.69-6)=28.31$.







802.11n HT40 mode:						
CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
38	5190	7.462	7.294	10.389	14.43	Pass
46	5230	6.288	7.822	10.133	14.43	Pass

CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
54	5270	4.142	4.005	7.109	8.43	Pass
62	5310	5.027	5.238	8.144	8.43	Pass

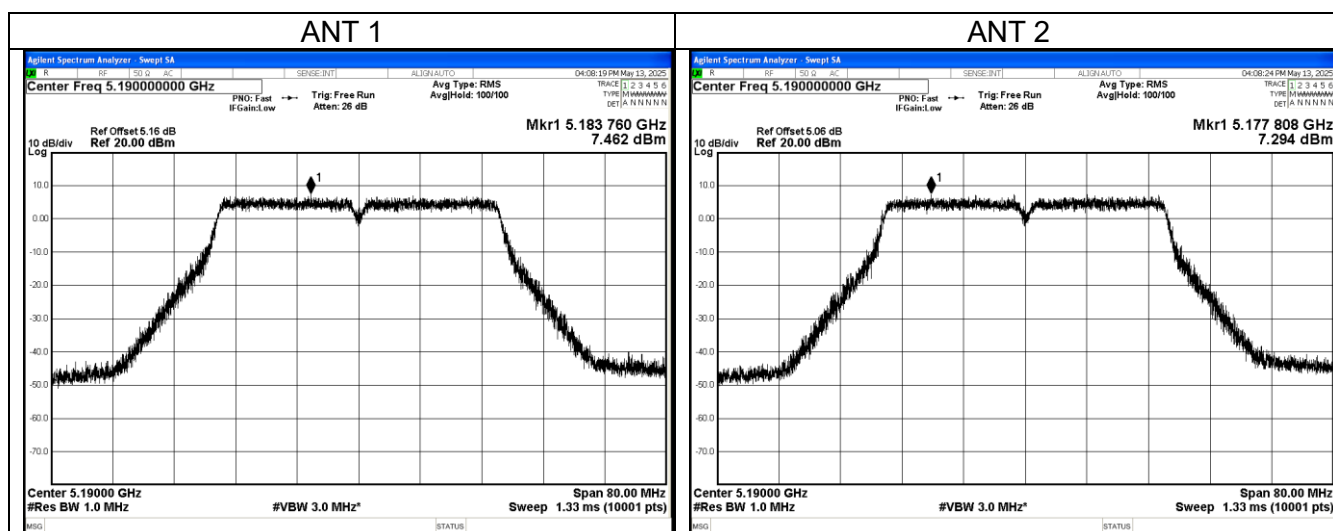
CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
151	5755	2.983	3.138	6.071	28.31	Pass
159	5795	3.323	3.912	6.638	28.31	Pass

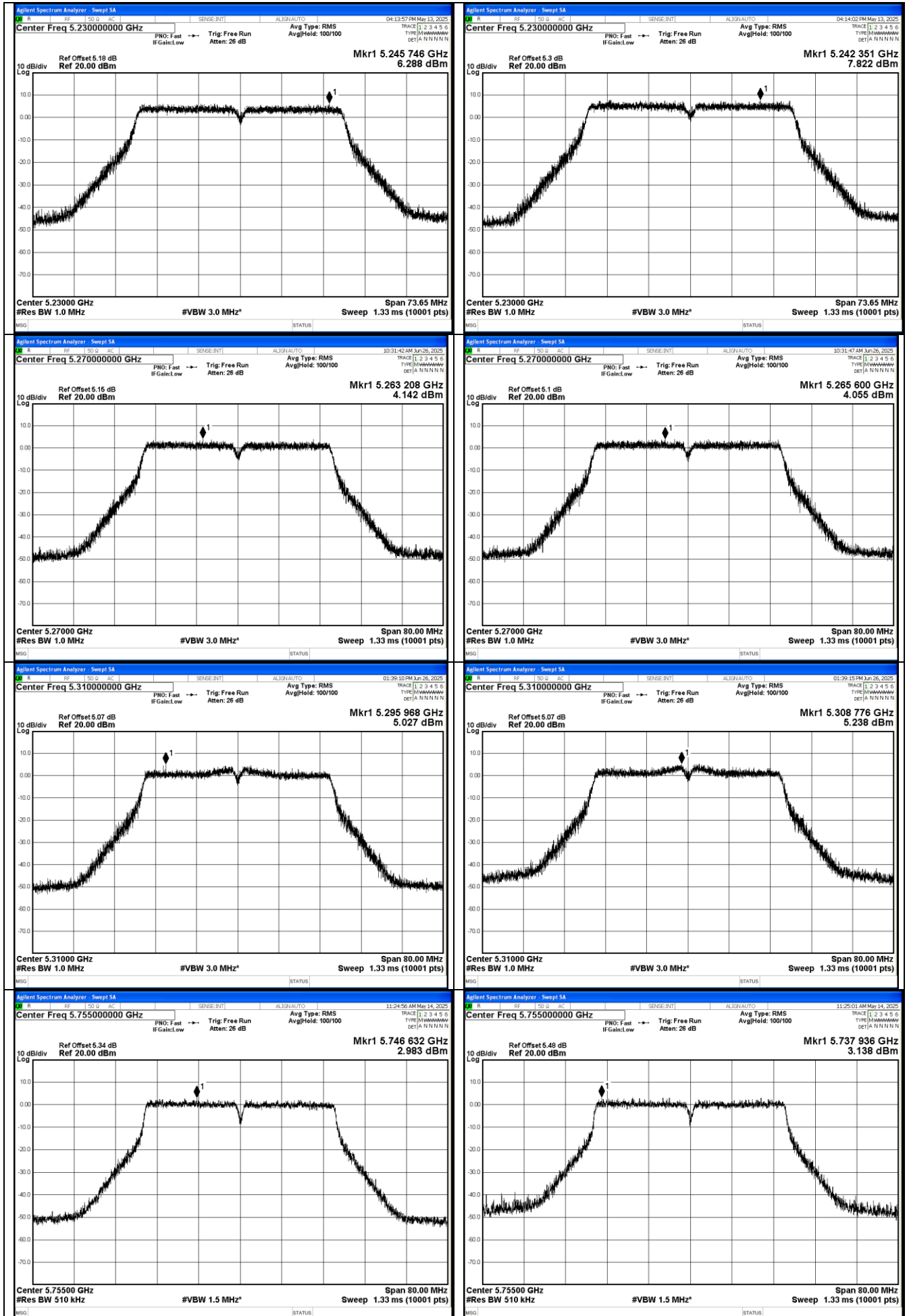
Note:

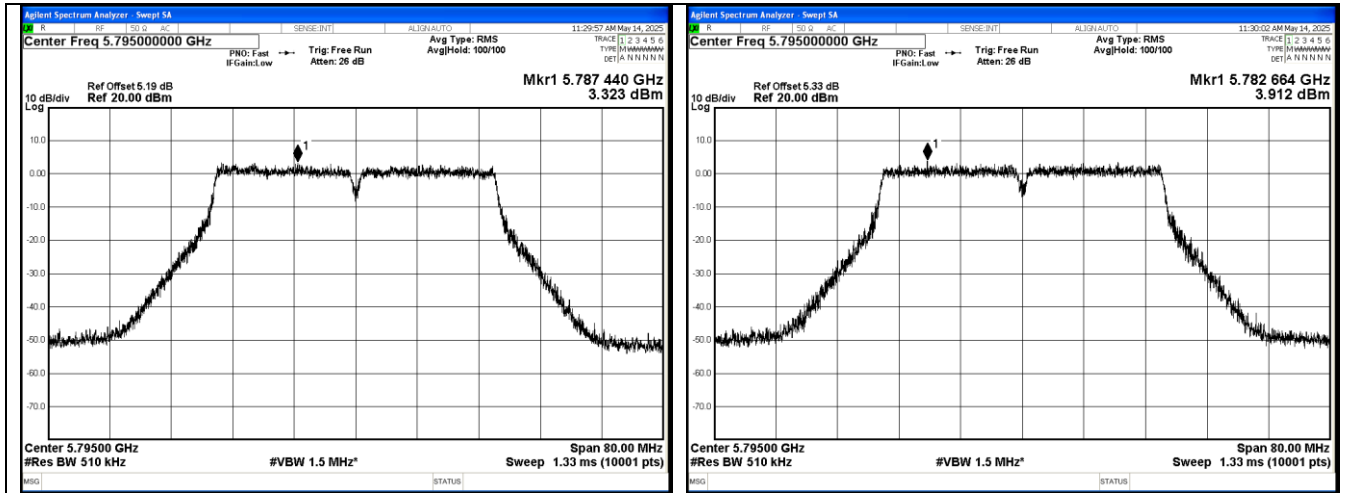
Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi, 5725MHz to 5850MHz: 4.68 dBi(ANT1&2).

For 802.11n, 802.11ac, 802.11ax and 802.11be, the EUT incorporates a MIMO function. The 5150MHz to 5350MHz: Antenna directional gain = GANT + Array Gain = 8.57 dBi, and 5725MHz to 5850MHz: Antenna directional gain = GANT + Array Gain = 7.69 dBi, where Array Gain = $10 \log(2/1)$ = 3.01 dB.

The maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The band 5150MHz to 5250MHz: maximum power spectral density limit is $17-(8.57-6)=14.43$. The band 5250MHz to 5350MHz: maximum power spectral density limit is $11-(8.57-6)=8.43$. The band 5725MHz to 5850MHz: maximum power spectral density limit is $30-(7.69-6)=28.31$.







802.11ac VHT20 mode:						
CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
36	5180	7.951	7.483	10.734	14.43	Pass
44	5200	7.905	7.579	10.755	14.43	Pass
48	5240	6.972	7.675	10.348	14.43	Pass

CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
52	5260	4.041	4.058	7.06	8.43	Pass
56	5300	2.567	4.179	6.458	8.43	Pass
64	5320	3.373	4.111	6.768	8.43	Pass

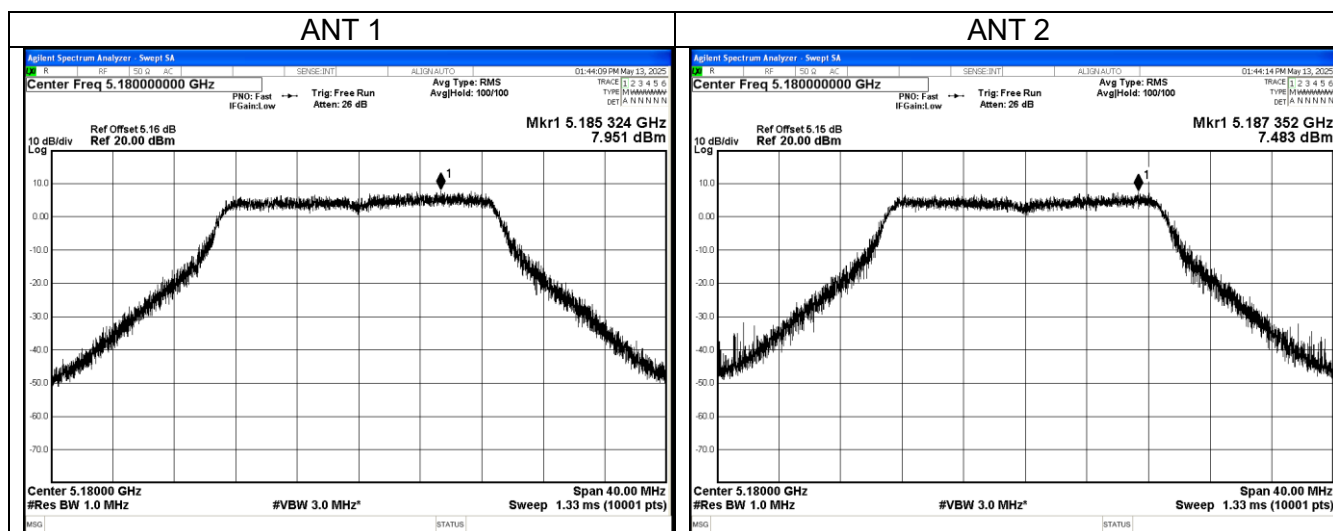
CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
149	5745	6.383	6.689	9.549	28.31	Pass
157	5785	6.781	7.055	9.93	28.31	Pass
165	5825	7.215	7.947	10.607	28.31	Pass

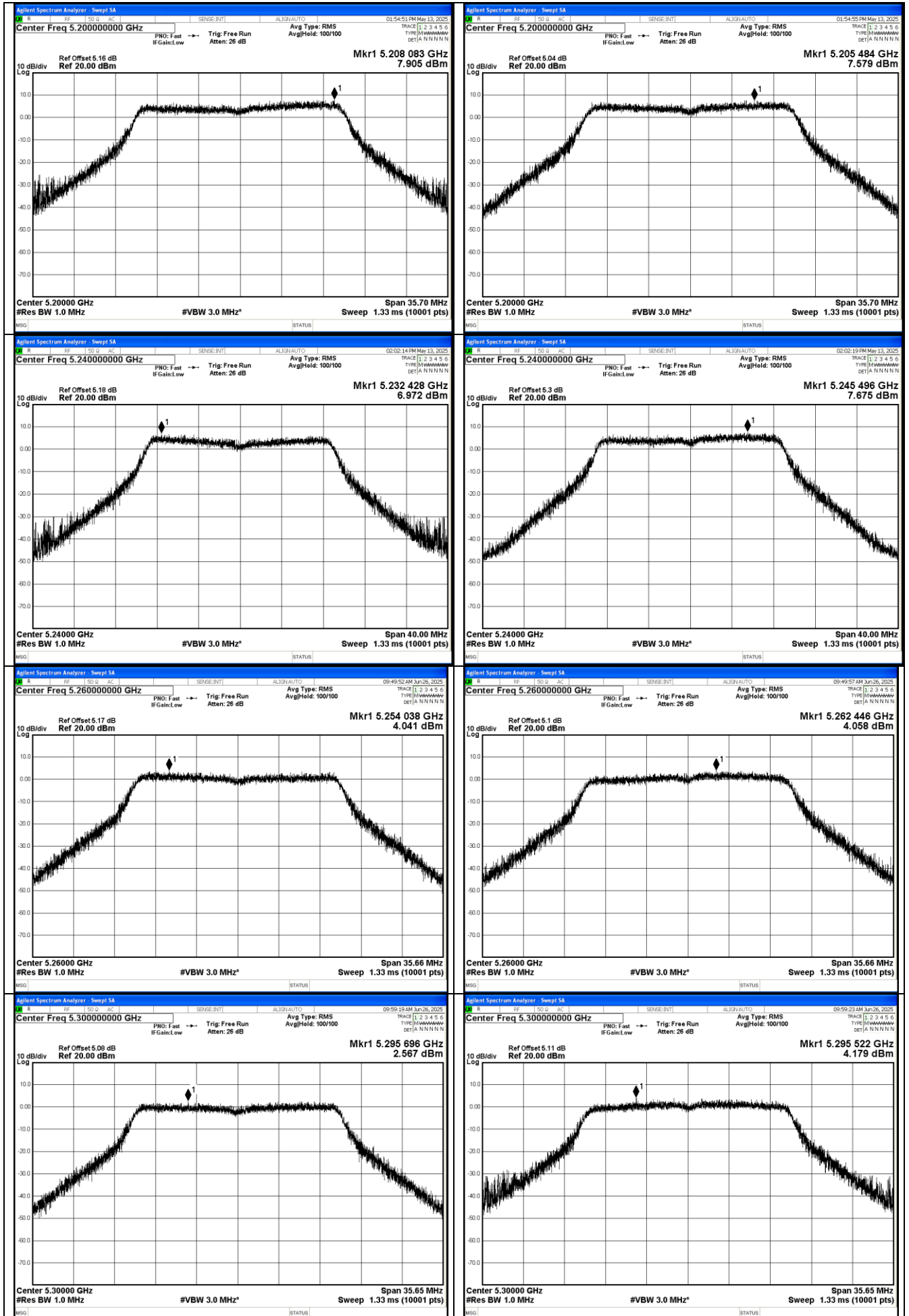
Note:

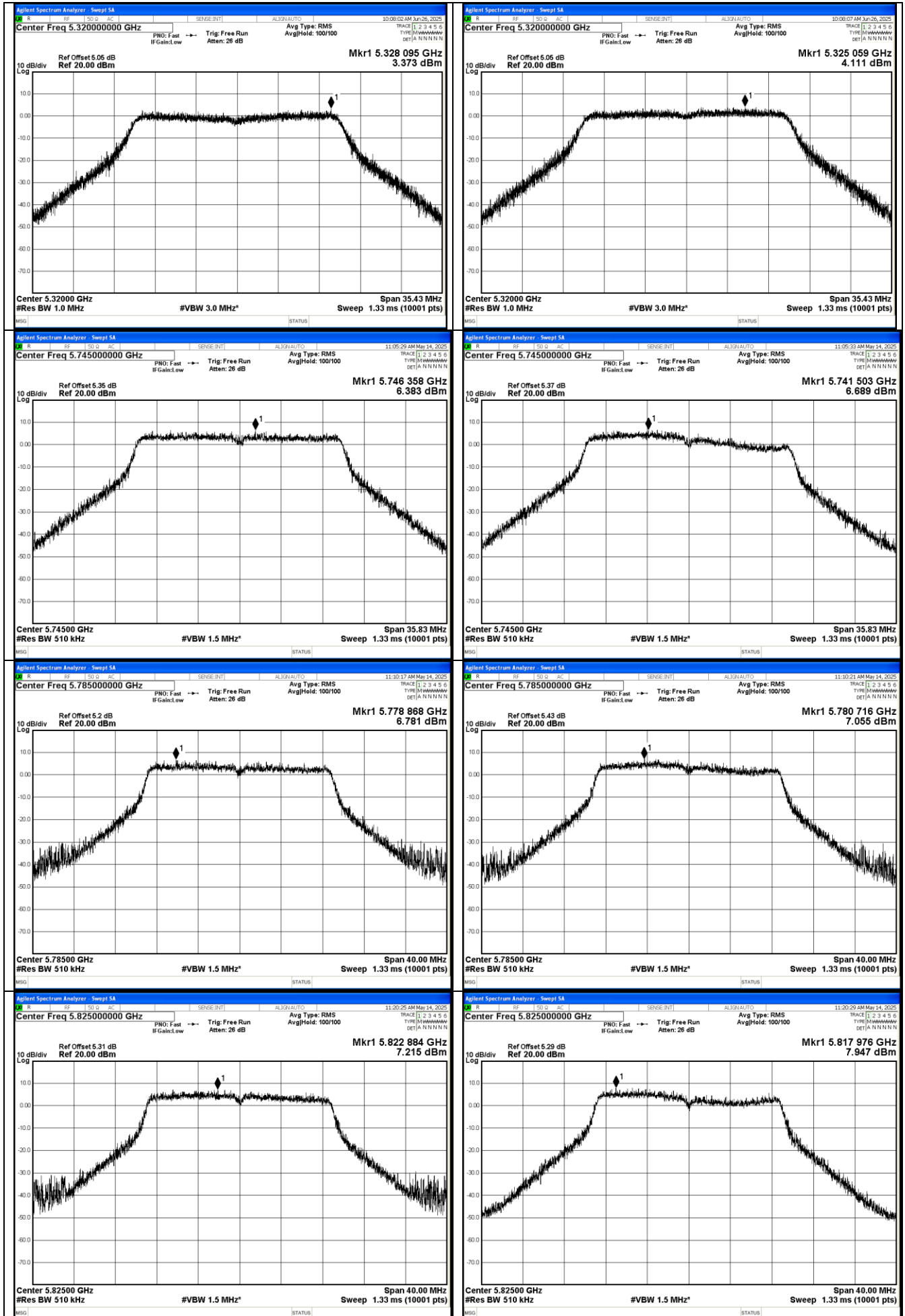
Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi, 5725MHz to 5850MHz: 4.68 dBi(ANT1&2).

For 802.11n, 802.11ac, 802.11ax and 802.11be, the EUT incorporates a MIMO function. The 5150MHz to 5350MHz: Antenna directional gain = GANT + Array Gain = 8.57 dBi, and 5725MHz to 5850MHz: Antenna directional gain = GANT + Array Gain = 7.69 dBi, where Array Gain = $10 \log(2/1)$ = 3.01 dB.

The maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The band 5150MHz to 5250MHz: maximum power spectral density limit is $17-(8.57-6)=14.43$. The band 5250MHz to 5350MHz: maximum power spectral density limit is $11-(8.57-6)=8.43$. The band 5725MHz to 5850MHz: maximum power spectral density limit is $30-(7.69-6)=28.31$.







802.11ac VHT40 mode:						
CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
38	5190	7.609	7.287	10.461	14.43	Pass
46	5230	7.276	8.277	10.816	14.43	Pass

CH	Freq.	ANT1_PSD (dBm/MHz)	ANT2_PSD (dBm/MHz)	FCC MIMO PSD (dBm/MHz)	FCC Limit (dBm/MHz)	Result
54	5270	3.989	4.972	7.519	8.43	Pass
62	5310	3.811	4.933	7.418	8.43	Pass

CH	Freq.	ANT1_PSD (dBm/500kHz)	ANT2_PSD (dBm/500kHz)	MIMO PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
151	5755	3.999	4.699	7.373	28.31	Pass
159	5795	4.041	4.865	7.483	28.31	Pass

Note:

Antenna gain(G) of 802.11 a/n/ac/ax/be: 5150MHz to 5350MHz: 5.56 dBi, 5725MHz to 5850MHz: 4.68 dBi(ANT1&2).

For 802.11n, 802.11ac, 802.11ax and 802.11be, the EUT incorporates a MIMO function. The 5150MHz to 5350MHz: Antenna directional gain = GANT + Array Gain = 8.57 dBi, and 5725MHz to 5850MHz: Antenna directional gain = GANT + Array Gain = 7.69 dBi, where Array Gain = $10 \log(2/1)$ = 3.01 dB.

The maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The band 5150MHz to 5250MHz: maximum power spectral density limit is $17-(8.57-6)=14.43$. The band 5250MHz to 5350MHz: maximum power spectral density limit is $11-(8.57-6)=8.43$. The band 5725MHz to 5850MHz: maximum power spectral density limit is $30-(7.69-6)=28.31$.

