

Case No. : <u>GTS20250410010-1-04</u>	
Ambient Condition: <u>23</u> °C, <u>52</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.5.19</u>	Test Engineer: <u>Evan ouyang</u>

Appendix F.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	22.520	5488.600	5511.120	---	---
		5580	22.880	5568.440	5591.320	---	---
		5700	22.640	5688.600	5711.240	---	---
11N20SISO	Ant1	5500	23.000	5488.080	5511.080	---	---
		5580	23.440	5568.320	5591.760	---	---
		5700	23.000	5688.520	5711.520	---	---
11N40SISO	Ant1	5510	42.960	5488.720	5531.680	---	---
		5590	43.120	5568.080	5611.200	---	---
		5670	42.720	5648.560	5691.280	---	---
11AC20SISO	Ant1	5500	23.280	5488.160	5511.440	---	---
		5580	23.720	5567.960	5591.680	---	---
		5700	22.680	5688.520	5711.200	---	---
11AC40SISO	Ant1	5510	43.440	5488.160	5531.600	---	---
		5590	43.520	5567.760	5611.280	---	---
		5670	42.480	5648.800	5691.280	---	---
11AC80SISO	Ant1	5530	85.440	5486.640	5572.080	---	---
		5610	84.640	5567.600	5652.240	---	---

Test Graphs

11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



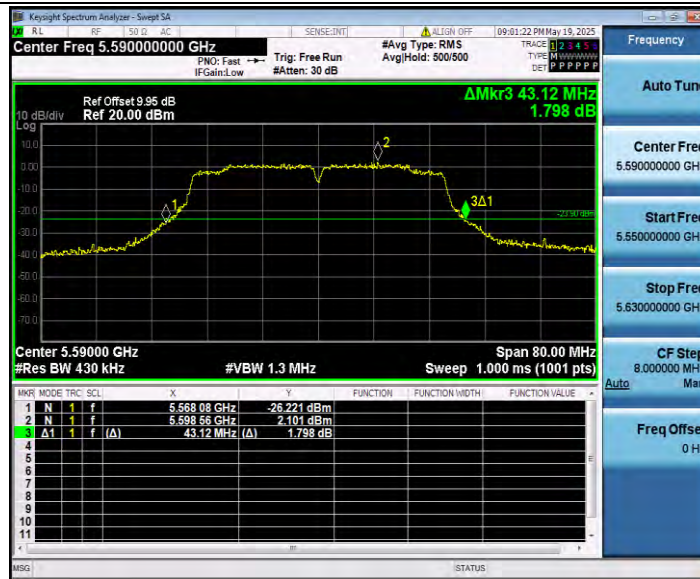
11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



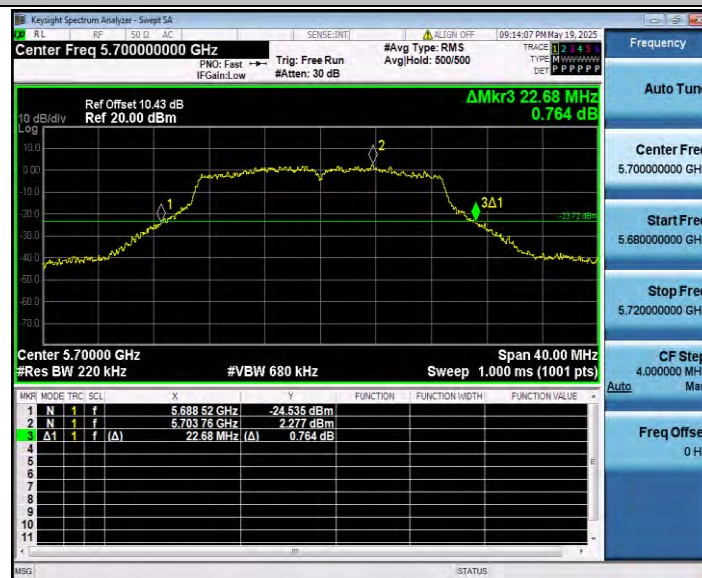
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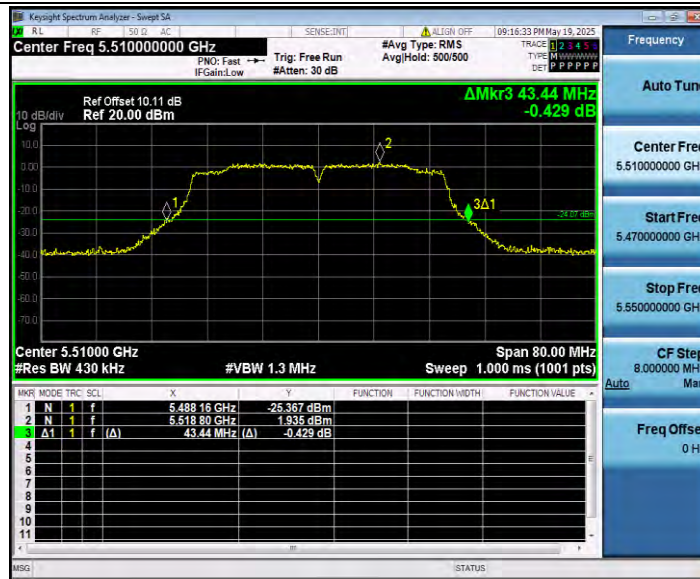
11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



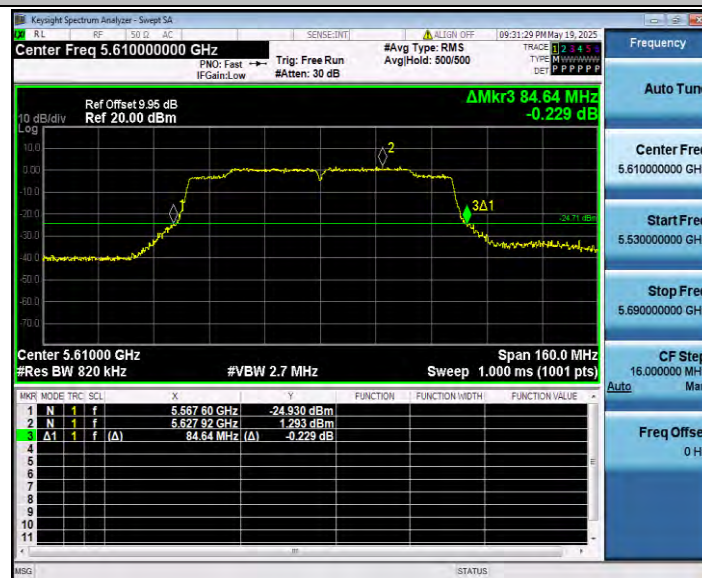
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix F.2: Occupied channel bandwidth

Test Result

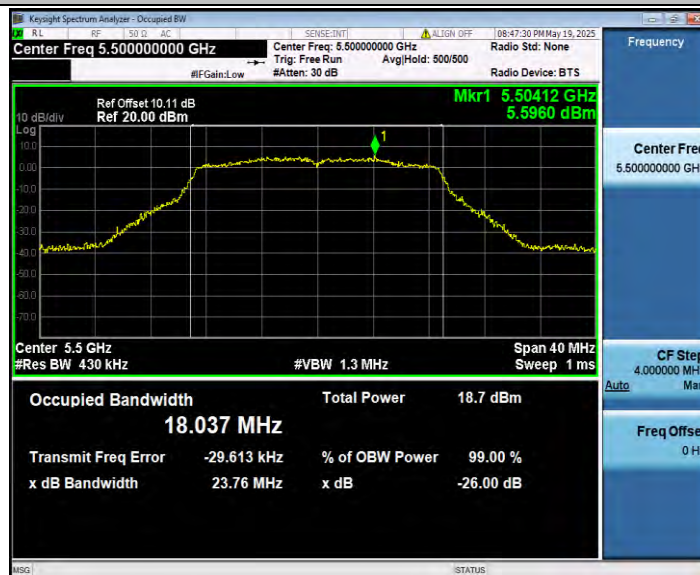
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	16.992	5491.4542	5508.4462	---	---
		5580	16.990	5571.4851	5588.4751	---	---
		5700	17.013	5691.4838	5708.4968	---	---
11N20SISO	Ant1	5500	18.037	5490.9519	5508.9889	---	---
		5580	18.049	5570.9463	5588.9953	---	---
		5700	17.979	5691.0045	5708.9835	---	---
11N40SISO	Ant1	5510	36.276	5491.8907	5528.1667	---	---
		5590	36.232	5571.8882	5608.1202	---	---
		5670	36.135	5651.9957	5688.1307	---	---
11AC20SISO	Ant1	5500	18.016	5490.9600	5508.9760	---	---
		5580	17.992	5570.9726	5588.9646	---	---
		5700	18.011	5690.9999	5709.0109	---	---
11AC40SISO	Ant1	5510	36.285	5491.9034	5528.1884	---	---
		5590	36.237	5571.8964	5608.1334	---	---
		5670	36.110	5651.9839	5688.0939	---	---
11AC80SISO	Ant1	5530	75.266	5492.4490	5567.7150	---	---
		5610	75.485	5572.3770	5647.8620	---	---

Test Graphs





11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



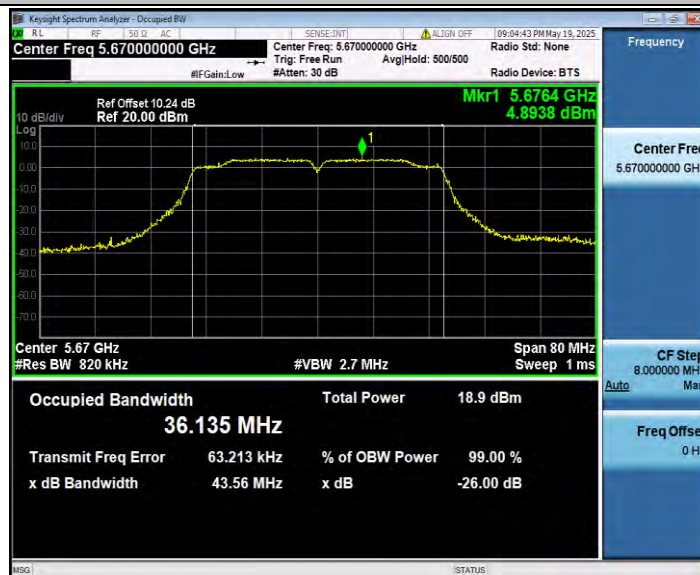
11N40SISO_Ant1_5510



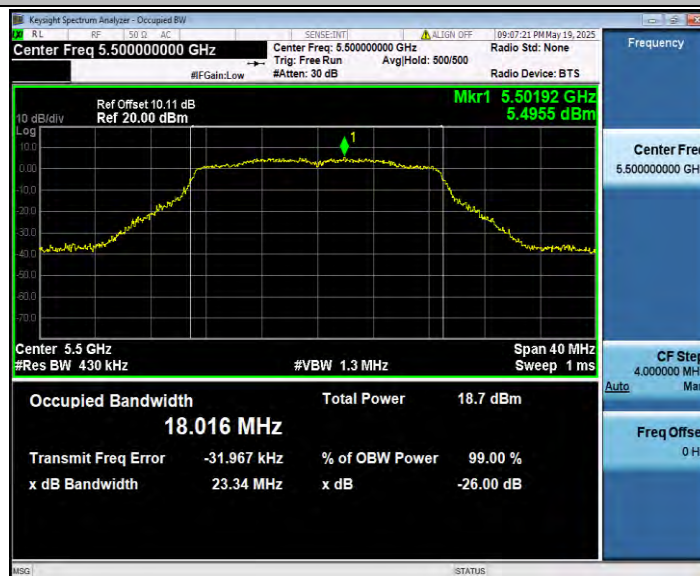
11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



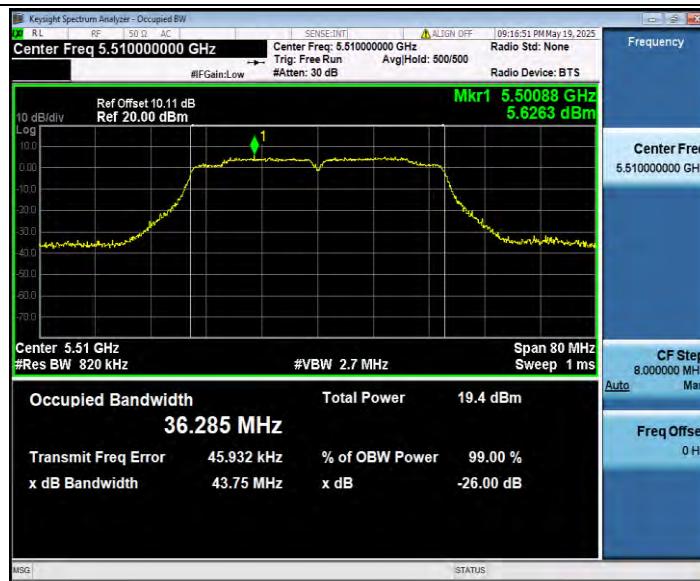
11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



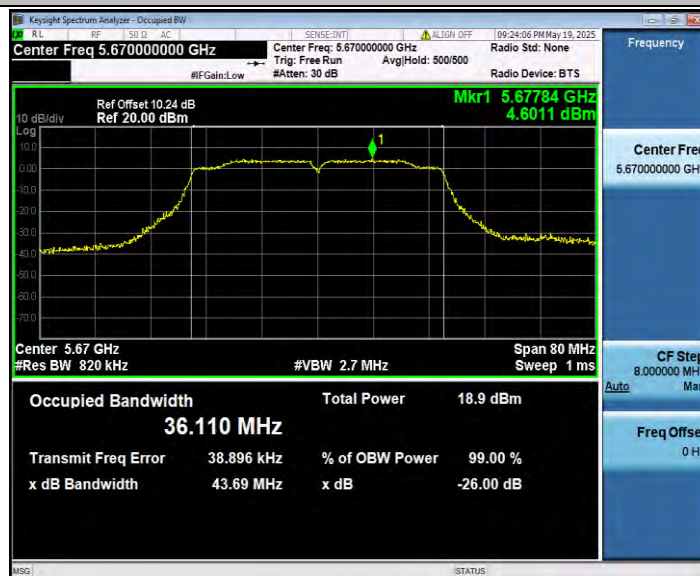
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



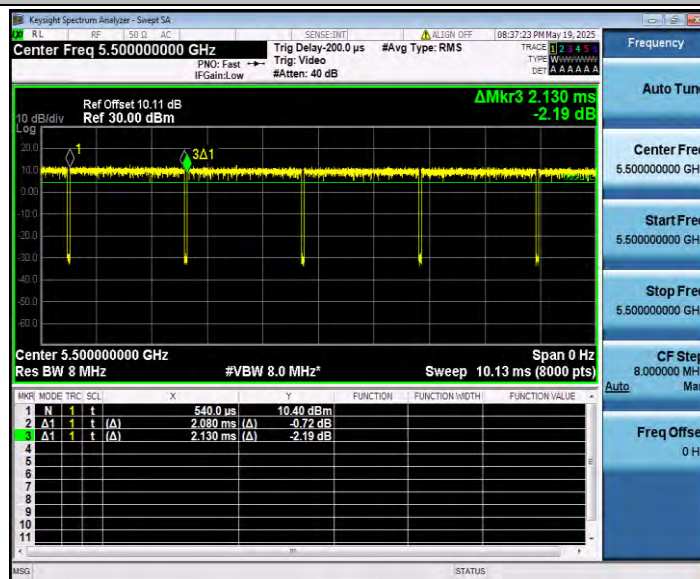
Appendix F.3: Duty Cycle

Test Result

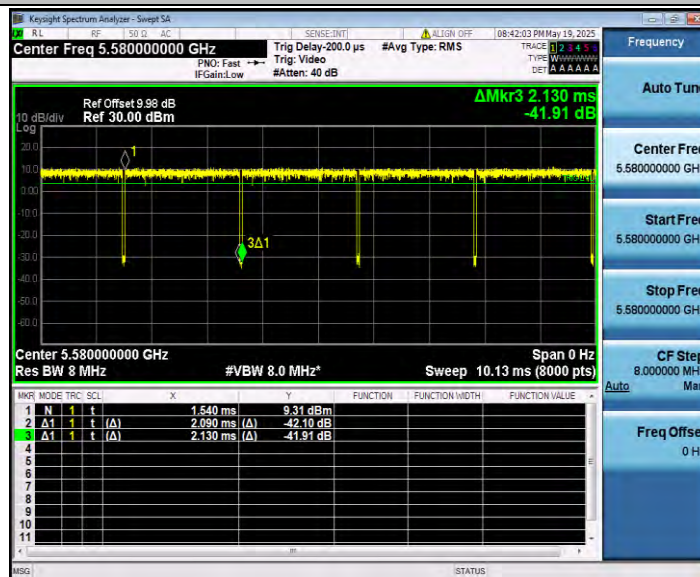
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	2.08	2.13	97.65	0.10	0.48
		5580	2.09	2.13	98.12	0.08	0.48
		5700	2.09	2.13	98.12	0.08	0.48
11N20SISO	Ant1	5500	3.98	4.02	99.00	0.04	0.25
		5580	3.98	4.03	98.76	0.05	0.25
		5700	3.97	4.02	98.76	0.05	0.25
11N40SISO	Ant1	5510	3.98	4.02	99.00	0.04	0.25
		5590	3.97	4.02	98.76	0.05	0.25
		5670	3.97	4.02	98.76	0.05	0.25
11AC20SISO	Ant1	5500	3.94	3.99	98.75	0.05	0.25
		5580	3.95	3.99	99.00	0.04	0.25
		5700	3.95	3.99	99.00	0.04	0.25
11AC40SISO	Ant1	5510	3.96	4.01	98.75	0.05	0.25
		5590	3.96	4.01	98.75	0.05	0.25
		5670	3.96	4.01	98.75	0.05	0.25
11AC80SISO	Ant1	5530	3.97	4.01	99.00	0.04	0.25
		5610	3.97	4.02	98.76	0.05	0.25

Test Graphs

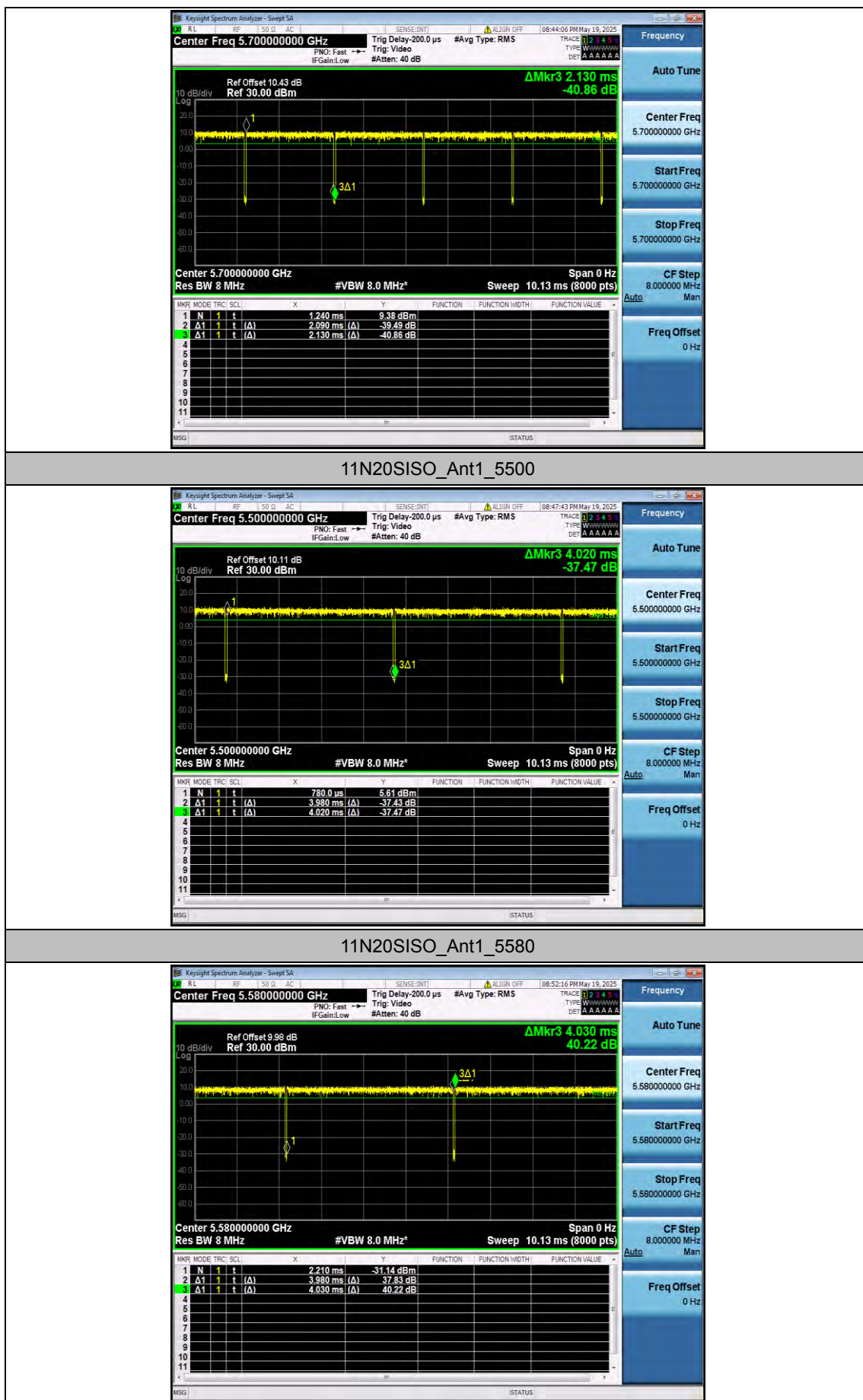
11A_Ant1_5500



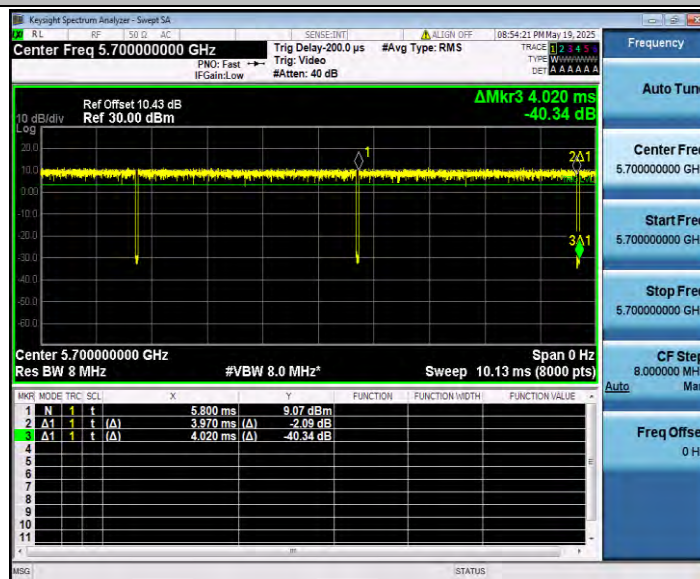
11A_Ant1_5580



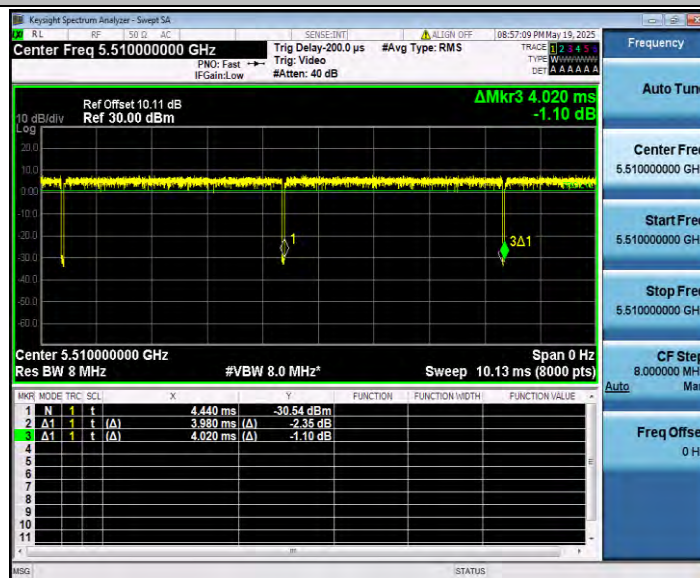
11A_Ant1_5700



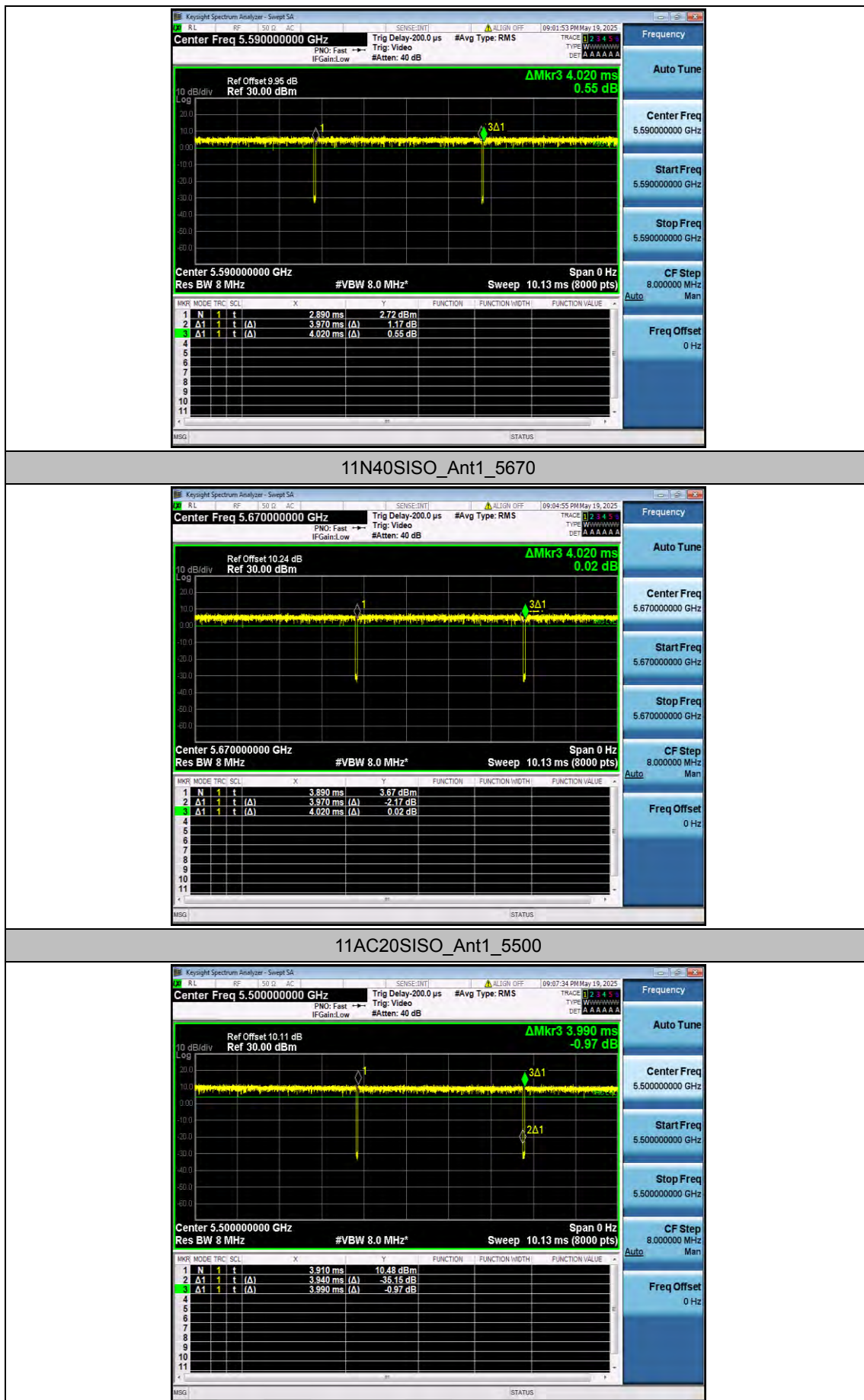
11N20SISO_Ant1_5700



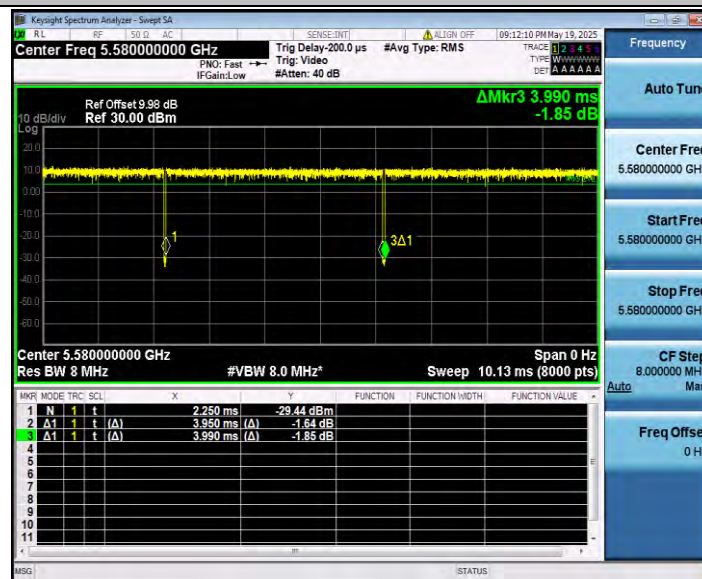
11N40SISO_Ant1_5510



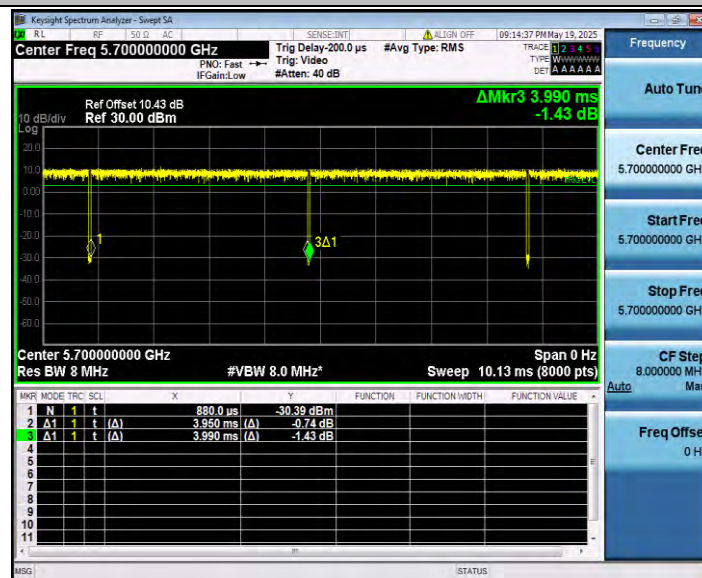
11N40SISO_Ant1_5590



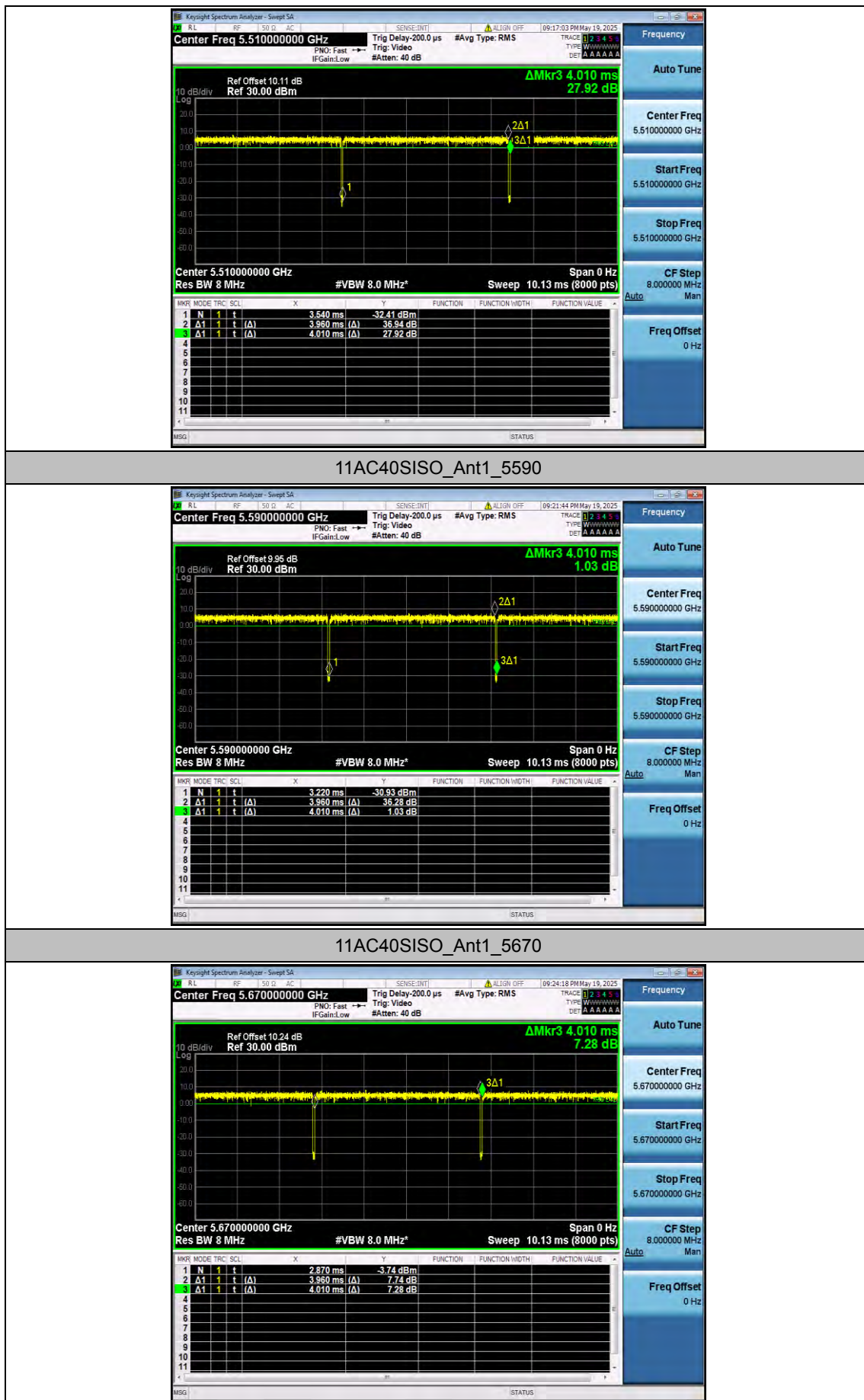
11AC20SISO_Ant1_5580



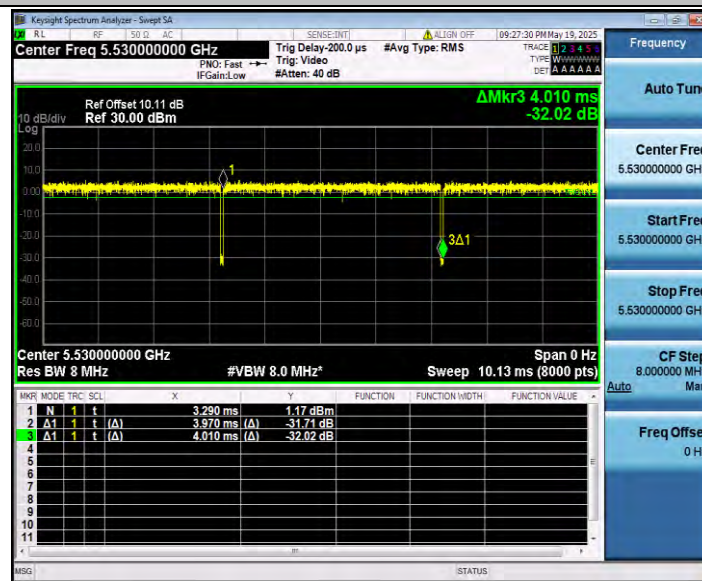
11AC20SISO_Ant1_5700



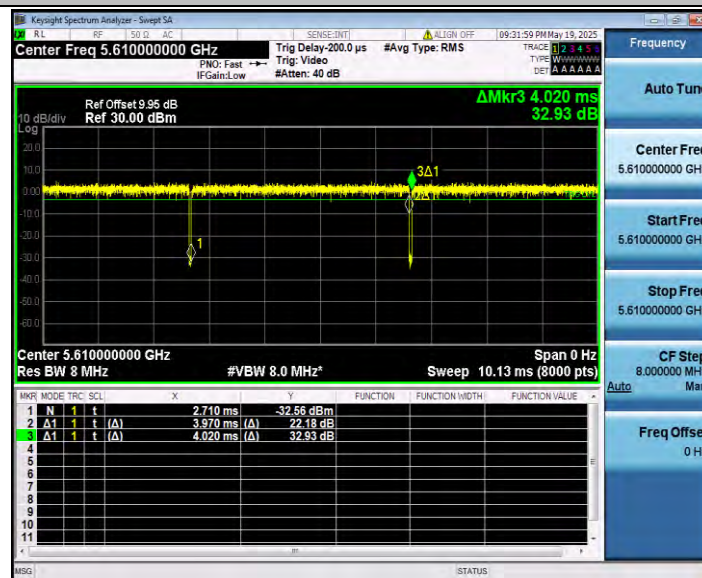
11AC40SISO_Ant1_5510



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



Appendix F.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	11.82	97.65	0.10	11.92	≤23.98	PASS
		5580	11.46	98.12	0.08	11.54	≤23.98	PASS
		5700	10.98	98.12	0.08	11.06	≤23.98	PASS
11N20SISO	Ant1	5500	11.81	99.00	0.04	11.85	≤23.98	PASS
		5580	11.62	98.76	0.05	11.67	≤23.98	PASS
		5700	11.13	98.76	0.05	11.18	≤23.98	PASS
11N40SISO	Ant1	5510	11.73	99.00	0.04	11.77	≤23.98	PASS
		5590	11.40	98.76	0.05	11.45	≤23.98	PASS
		5670	11.33	98.76	0.05	11.38	≤23.98	PASS
11AC20SISO	Ant1	5500	11.80	98.75	0.05	11.85	≤23.98	PASS
		5580	11.57	99.00	0.04	11.61	≤23.98	PASS
		5700	11.06	99.00	0.04	11.10	≤23.98	PASS
11AC40SISO	Ant1	5510	11.71	98.75	0.05	11.76	≤23.98	PASS
		5590	11.35	98.75	0.05	11.40	≤23.98	PASS
		5670	11.38	98.75	0.05	11.43	≤23.98	PASS
11AC80SISO	Ant1	5530	11.38	99.00	0.04	11.42	≤23.98	PASS
		5610	10.84	98.76	0.05	10.89	≤23.98	PASS

Appendix F.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5500	0.77	≤11.00	PASS
		5580	0.43	≤11.00	PASS
		5700	0.21	≤11.00	PASS
11N20SISO	Ant1	5500	0.42	≤11.00	PASS
		5580	0.33	≤11.00	PASS
		5700	-0.06	≤11.00	PASS
11N40SISO	Ant1	5510	-2.48	≤11.00	PASS
		5590	-2.87	≤11.00	PASS
		5670	-2.94	≤11.00	PASS
11AC20SISO	Ant1	5500	0.33	≤11.00	PASS
		5580	0.32	≤11.00	PASS
		5700	-0.12	≤11.00	PASS
11AC40SISO	Ant1	5510	-2.43	≤11.00	PASS
		5590	-2.88	≤11.00	PASS
		5670	-2.94	≤11.00	PASS
11AC80SISO	Ant1	5530	-5.41	≤11.00	PASS
		5610	-5.97	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

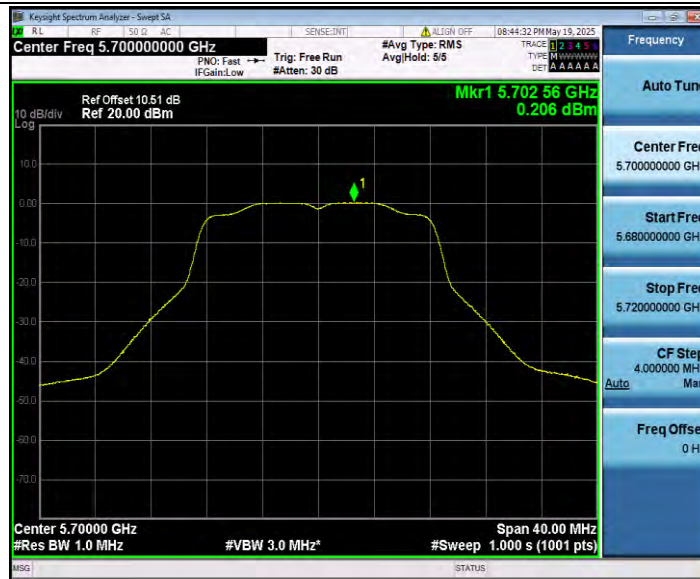
11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610

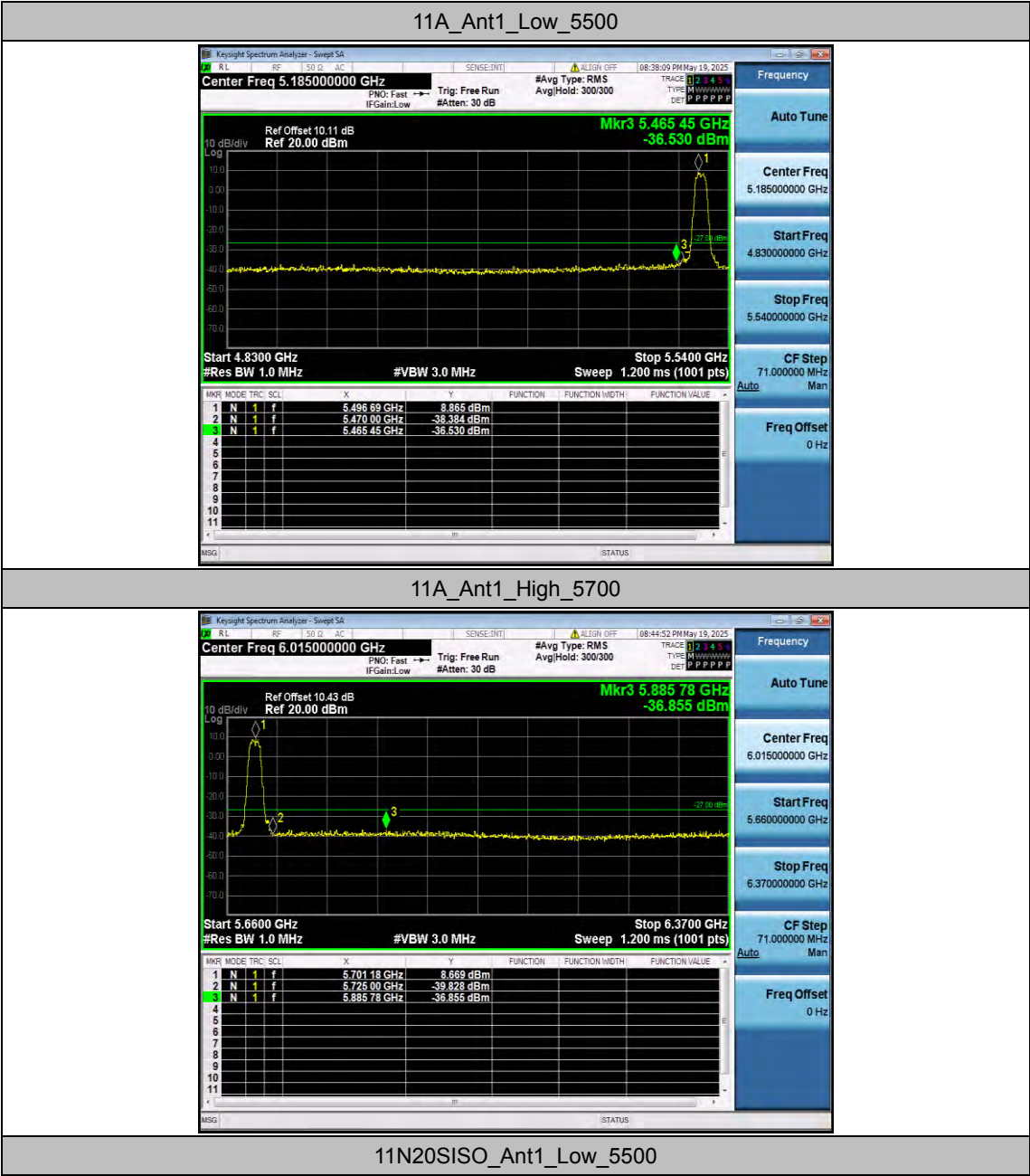


Appendix F.6: Band edge measurements

Test Result B3

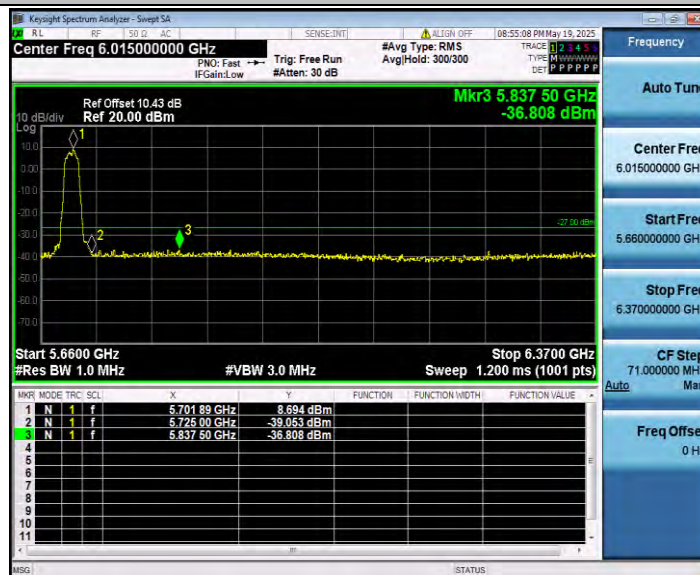
TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5500	-36.53	≤ -27	PASS
		High	5700	-36.86	≤ -27	PASS
11N20SISO	Ant1	Low	5500	-35.06	≤ -27	PASS
		High	5700	-36.81	≤ -27	PASS
11N40SISO	Ant1	Low	5510	-34.45	≤ -27	PASS
		High	5670	-37.27	≤ -27	PASS
11AC20SISO	Ant1	Low	5500	-35.71	≤ -27	PASS
		High	5700	-36.78	≤ -27	PASS
11AC40SISO	Ant1	Low	5510	-35.39	≤ -27	PASS
		High	5670	-36.19	≤ -27	PASS
11AC80SISO	Ant1	Low	5530	-35.14	≤ -27	PASS
		High	5610	-37.7	≤ -27	PASS

Test Graphs B3





11N20SISO_Ant1_High_5700



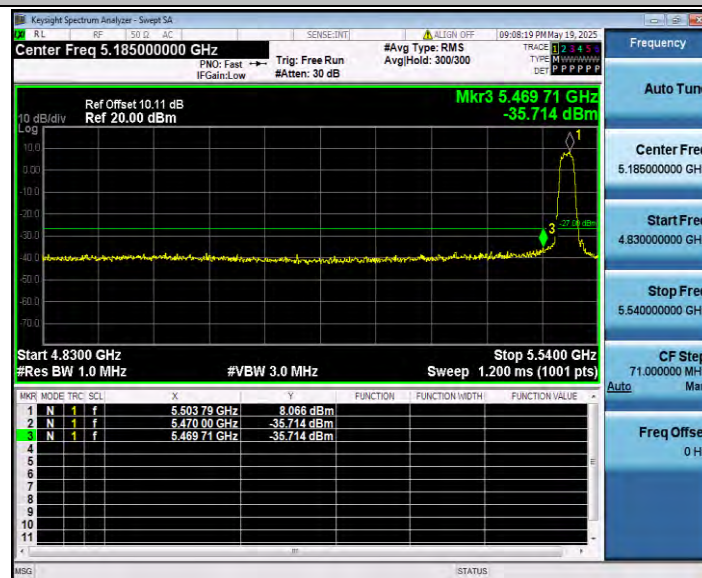
11N40SISO_Ant1_Low_5510



11N40SISO_Ant1_High_5670



11AC20SISO_Ant1_Low_5500



11AC20SISO_Ant1_High_5700



11AC40SISO_Ant1_Low_5510



11AC40SISO_Ant1_High_5670



11AC80SISO_Ant1_Low_5530



11AC80SISO_Ant1_High_5610

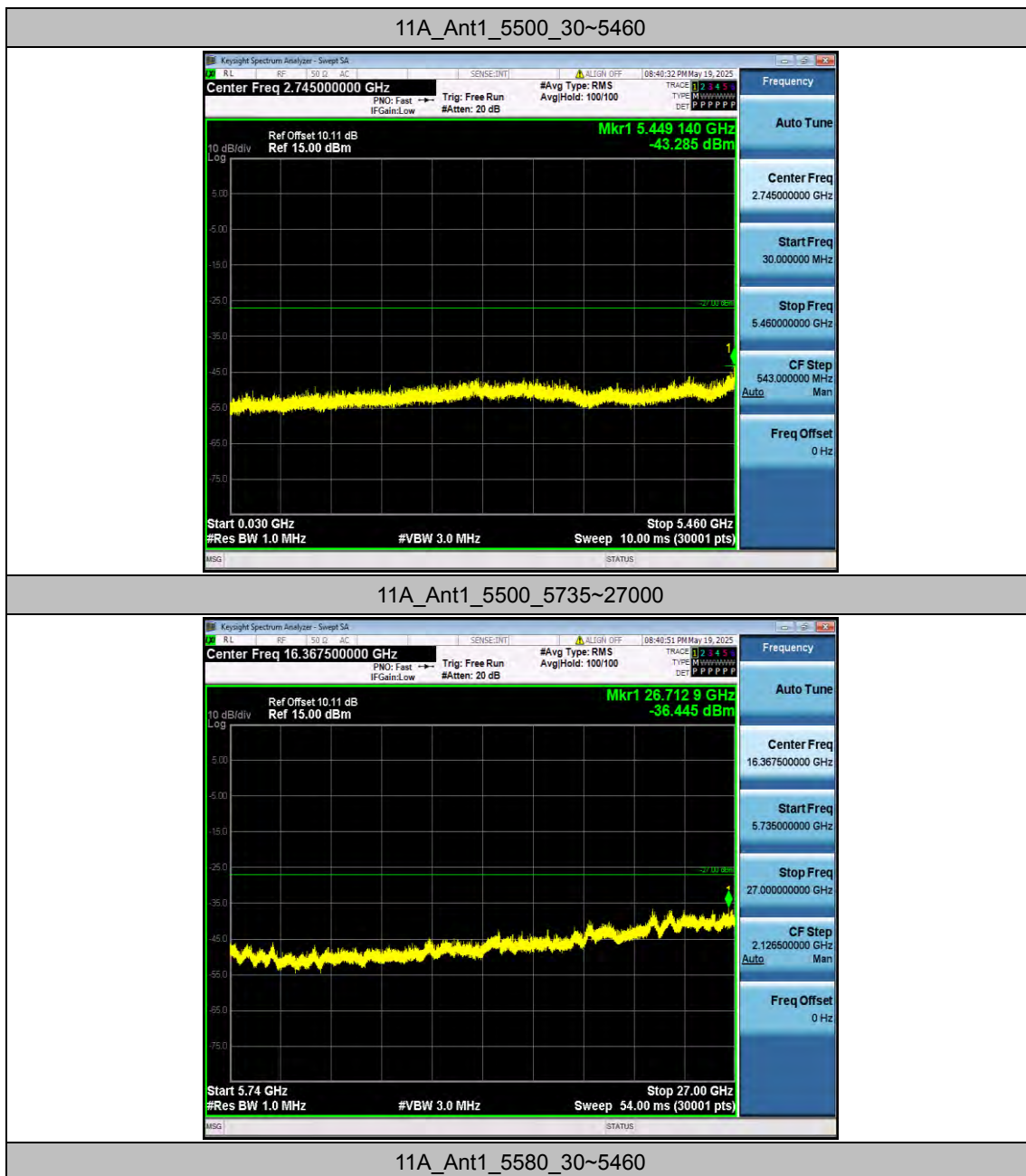


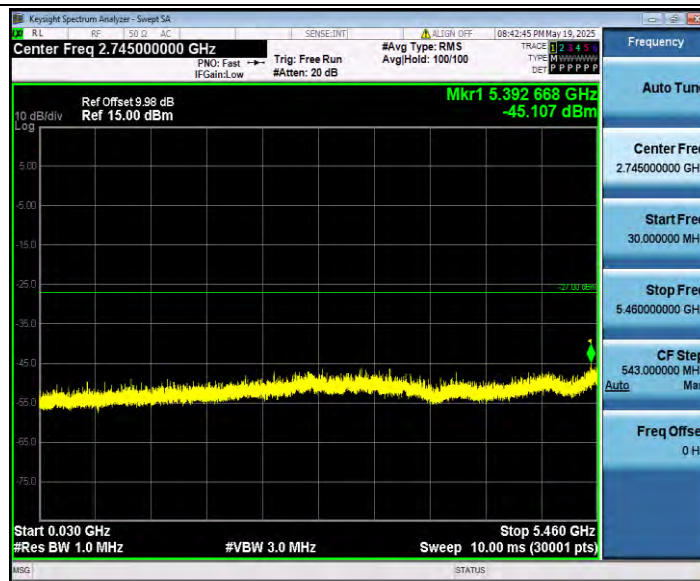
Appendix F.7: Conducted Spurious Emission

Test Result

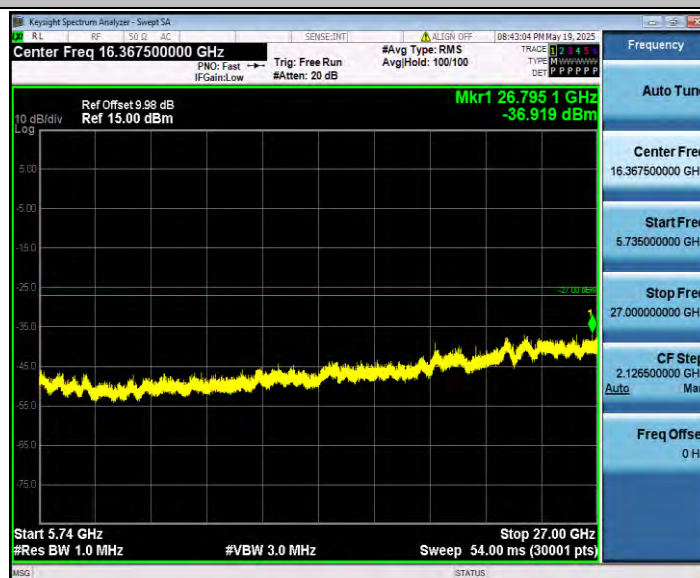
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	Max. Fre [MHz]	Max. Level [dBm]	Limit [dBm]	Verdict
11A	Ant1	5500	30~5460	5449.14	-43.29	≤-27	PASS
			5735~27000	26712.92	-36.45	≤-27	PASS
		5580	30~5460	5392.67	-45.11	≤-27	PASS
			5735~27000	26795.15	-36.92	≤-27	PASS
		5700	30~5460	4937.82	-45.88	≤-27	PASS
			5735~27000	26488.93	-36.31	≤-27	PASS
11N20SISO	Ant1	5500	30~5460	5454.57	-42.76	≤-27	PASS
			5735~27000	24228.46	-36.6	≤-27	PASS
		5580	30~5460	5439.73	-45.61	≤-27	PASS
			5735~27000	24236.26	-36.55	≤-27	PASS
		5700	30~5460	5353.21	-44.78	≤-27	PASS
			5735~27000	26827.75	-36.4	≤-27	PASS
11N40SISO	Ant1	5510	30~5460	5456.56	-38.07	≤-27	PASS
			5735~27000	24145.53	-37.25	≤-27	PASS
		5590	30~5460	5458.73	-46.01	≤-27	PASS
			5735~27000	26534.3	-36.2	≤-27	PASS
		5670	30~5460	5397.37	-45.56	≤-27	PASS
			5735~27000	23502.62	-36.88	≤-27	PASS
11AC20SISO	Ant1	5500	30~5460	5458.37	-42.17	≤-27	PASS
			5735~27000	24234.84	-37.24	≤-27	PASS
		5580	30~5460	5419.46	-45.36	≤-27	PASS
			5735~27000	24251.14	-36.67	≤-27	PASS
		5700	30~5460	5436.65	-46.26	≤-27	PASS
			5735~27000	26660.47	-36.71	≤-27	PASS
11AC40SISO	Ant1	5510	30~5460	5460	-38.48	≤-27	PASS
			5735~27000	26520.12	-37.3	≤-27	PASS
		5590	30~5460	5453.12	-45.89	≤-27	PASS
			5735~27000	26086.31	-36.92	≤-27	PASS
		5670	30~5460	2751.52	-45.84	≤-27	PASS
			5735~27000	24232.01	-36	≤-27	PASS
11AC80SISO	Ant1	5530	30~5460	5453.85	-39.54	≤-27	PASS
			5735~27000	24314.23	-36.9	≤-27	PASS
		5610	30~5460	5405.52	-44.19	≤-27	PASS
			5735~27000	24215.7	-35.55	≤-27	PASS

Test Graphs

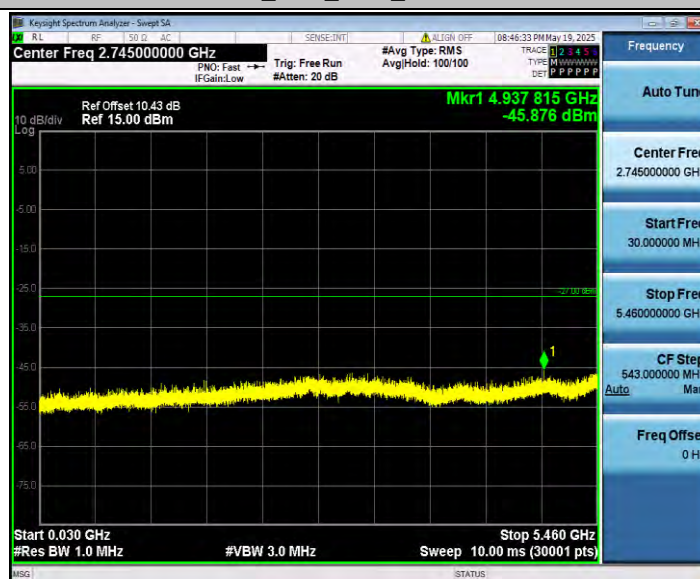




11A_Ant1_5580_5735~27000



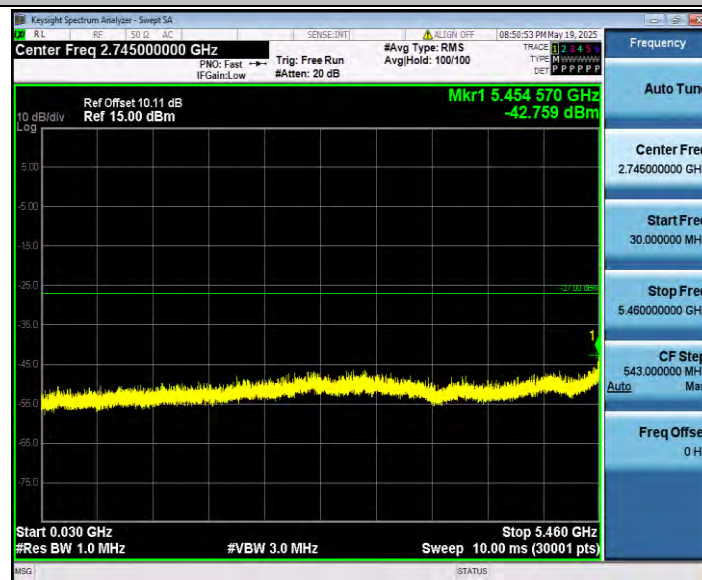
11A_Ant1_5700_30~5460



11A_Ant1_5700_5735~27000



11N20SISO_Ant1_5500_30~5460



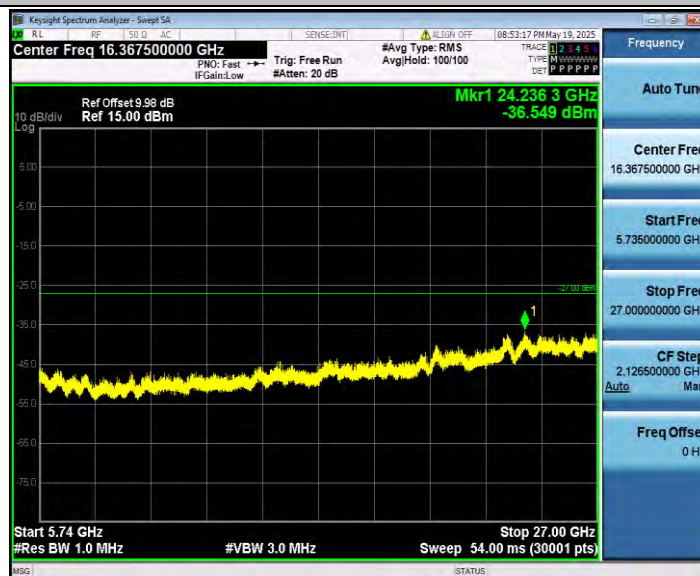
11N20SISO_Ant1_5500_5735~27000

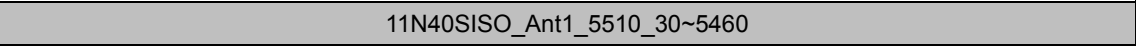
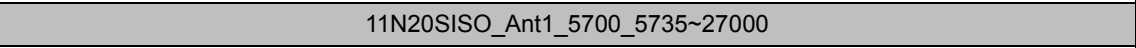


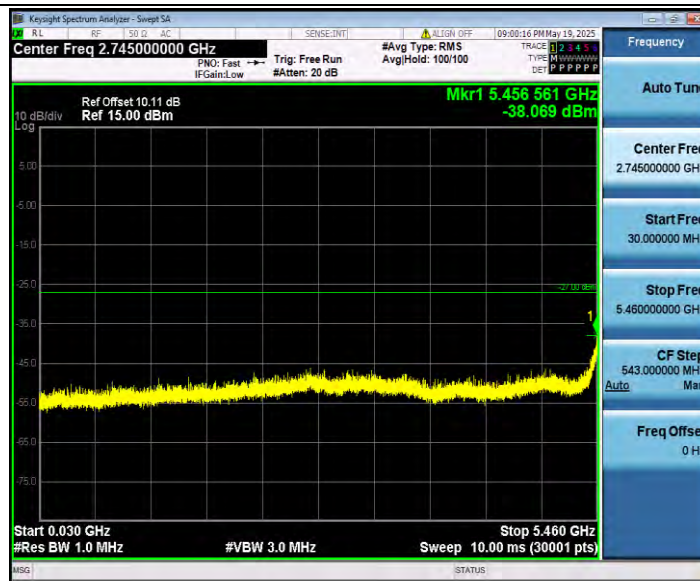
11N20SISO_Ant1_5580_30~5460



11N20SISO_Ant1_5580_5735~27000



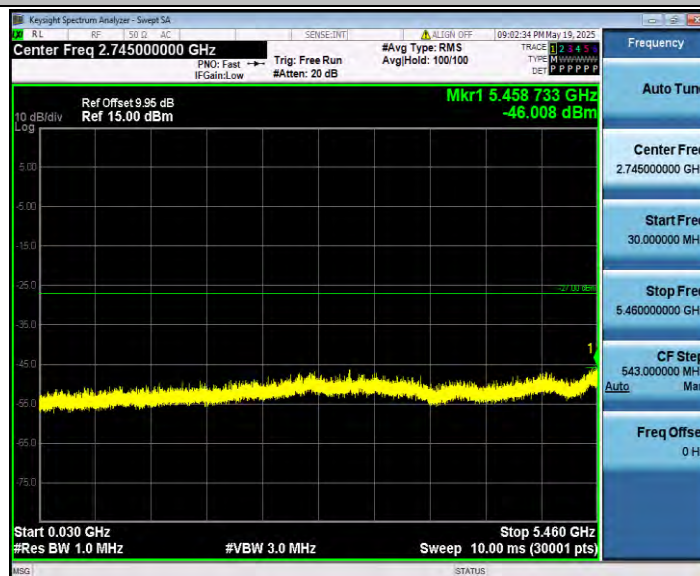


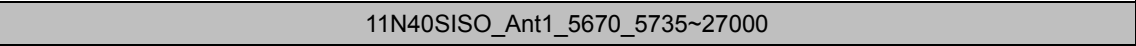
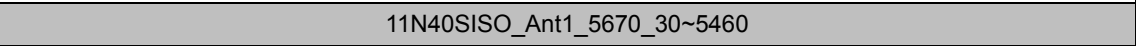


11N40SISO_Ant1_5510_5735~27000



11N40SISO_Ant1_5590_30~5460



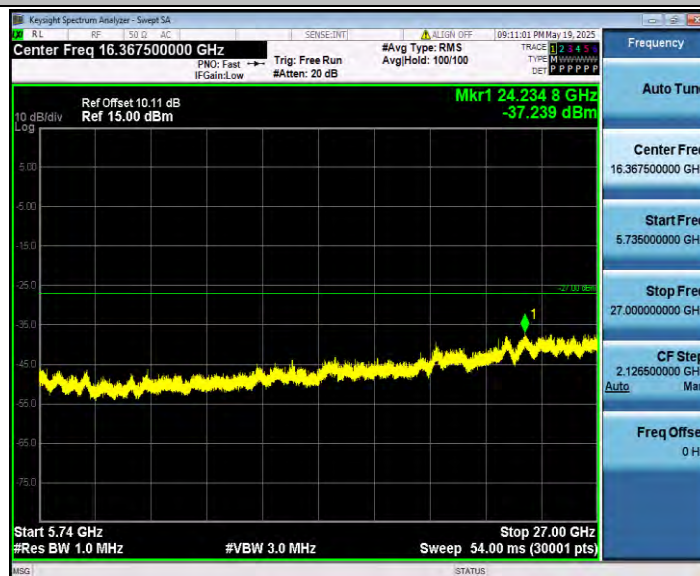




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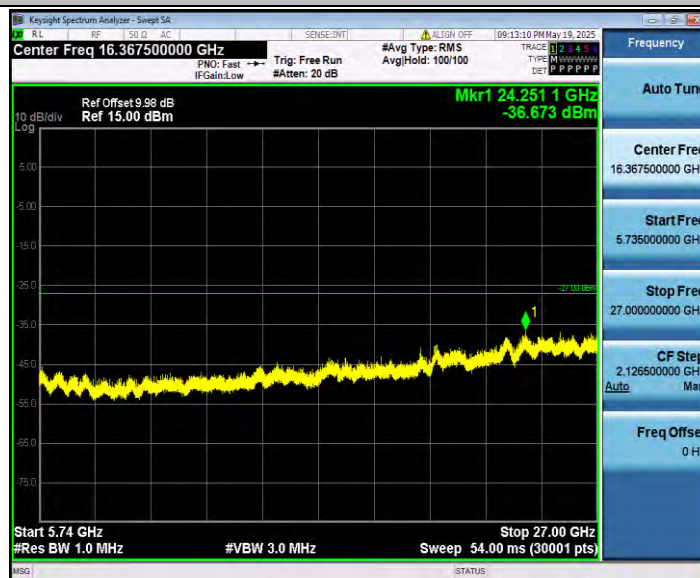
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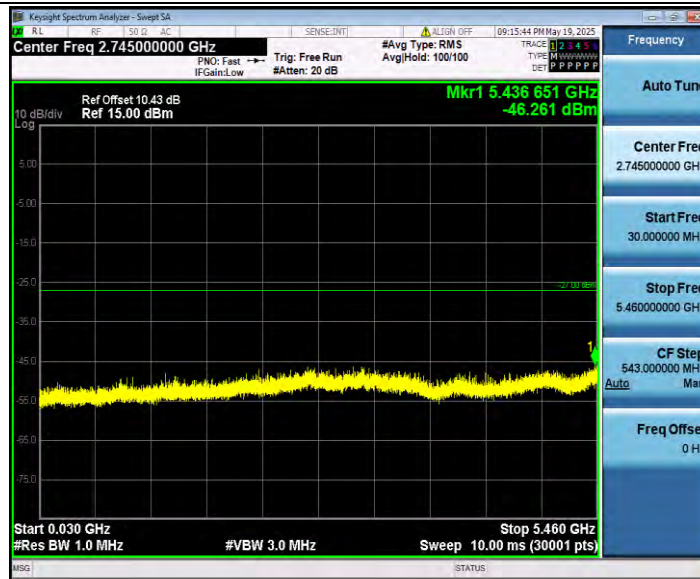
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11AC20SISO_Ant1_5580_5735~27000



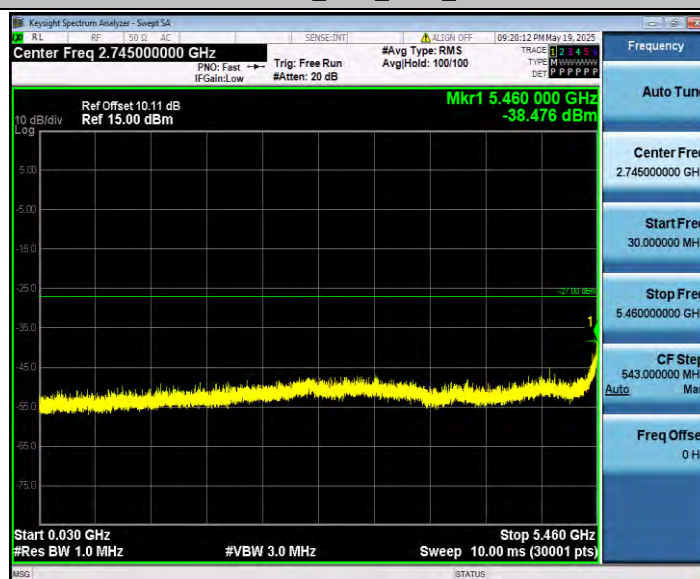
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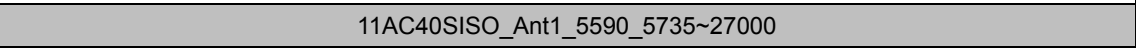
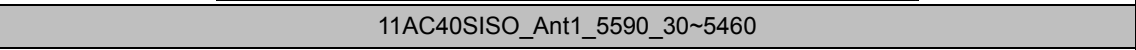


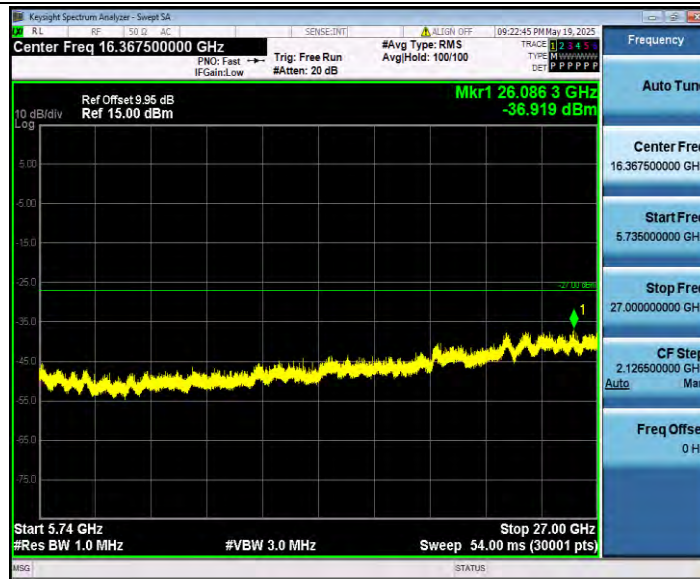
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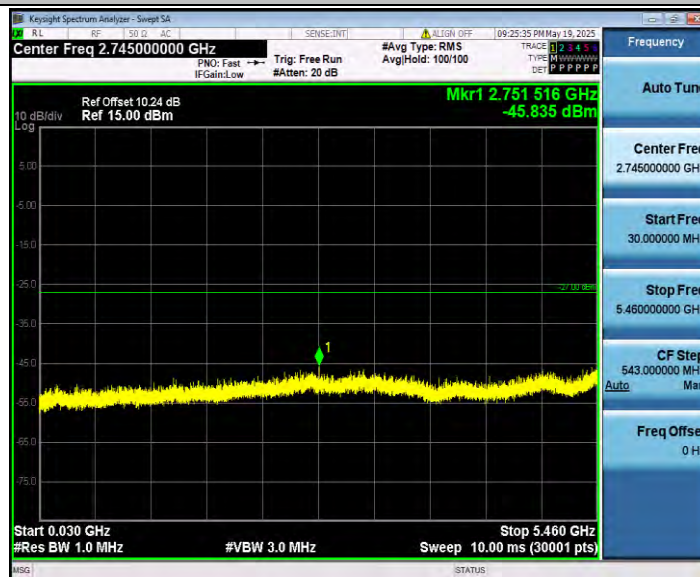
11AC40SISO_Ant1_5510_30~5460



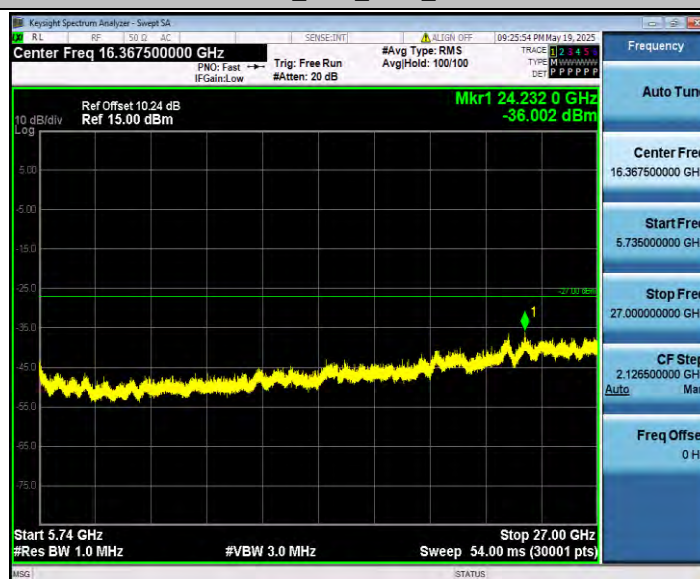




11AC40SISO_Ant1_5670_30~5460



11AC40SISO_Ant1_5670_5735~27000



11AC80SISO_Ant1_5530_30~5460



11AC80SISO_Ant1_5530_5735~27000



11AC80SISO_Ant1_5610_30~5460

