

Case No. : <u>GTS20241108022-2-04</u>	
Ambient Condition: <u>22</u> °C, <u>47</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.12.26</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	25.760	5487.240	5513.000	---	---
		5580	30.000	5562.480	5592.480	---	---
		5700	25.720	5687.040	5712.760	---	---
11N20SISO	Ant1	5500	26.880	5486.240	5513.120	---	---
		5580	26.720	5566.640	5593.360	---	---
		5700	25.880	5687.240	5713.120	---	---
11N40SISO	Ant1	5510	51.680	5484.480	5536.160	---	---
		5590	48.000	5565.920	5613.920	---	---
		5670	46.880	5646.400	5693.280	---	---
11AC20SISO	Ant1	5500	26.040	5487.120	5513.160	---	---
		5580	27.000	5566.280	5593.280	---	---
		5700	26.400	5686.840	5713.240	---	---
11AC40SISO	Ant1	5510	47.520	5486.640	5534.160	---	---
		5590	48.240	5566.080	5614.320	---	---
		5670	47.040	5646.320	5693.360	---	---
11AC80SISO	Ant1	5530	99.040	5478.000	5577.040	---	---
		5610	92.800	5565.840	5658.640	---	---
11AX20SISO	Ant1	5500	26.160	5487.440	5513.600	---	---
		5580	27.040	5565.800	5592.840	---	---
		5700	27.080	5686.920	5714.000	---	---
11AX40SISO	Ant1	5510	44.320	5488.240	5532.560	---	---
		5590	47.040	5566.560	5613.600	---	---
		5670	48.400	5647.440	5695.840	---	---
11AX80SISO	Ant1	5530	87.040	5486.800	5573.840	---	---
		5610	95.520	5565.840	5661.360	---	---

Test Graphs





11N20SISO_Ant1_5500



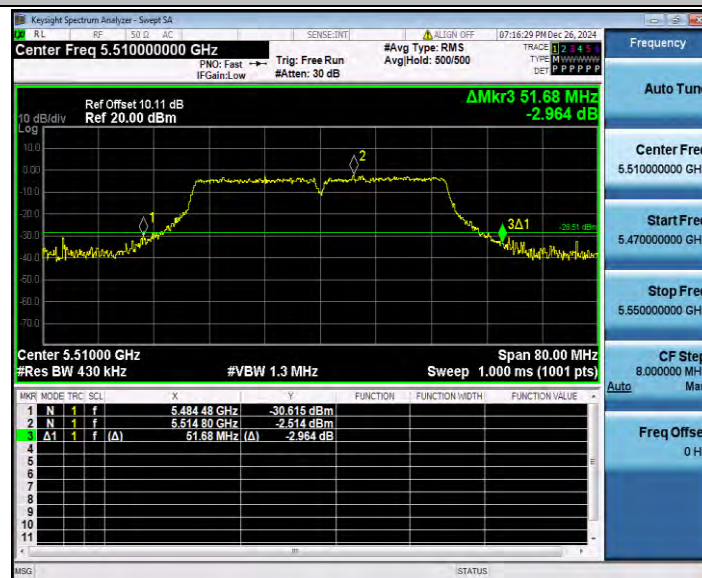
11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



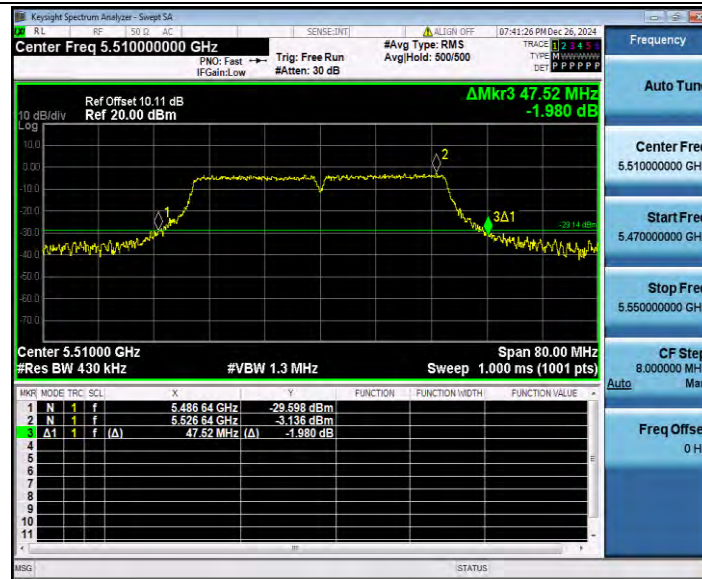
11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



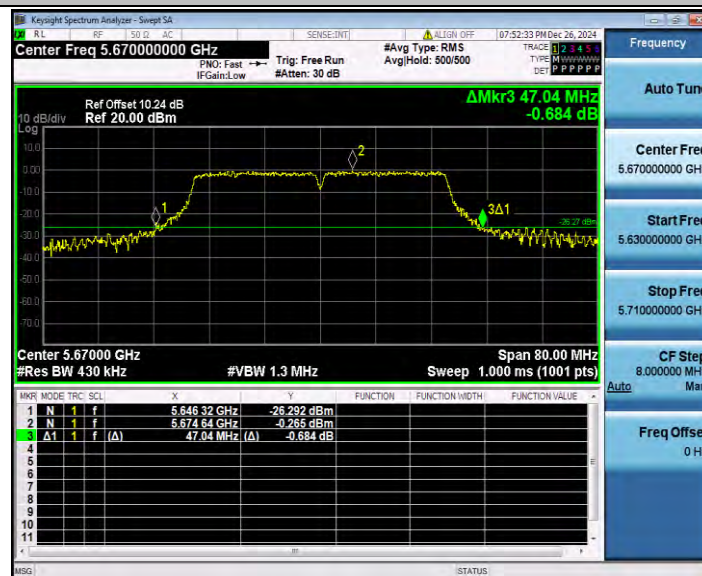
11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



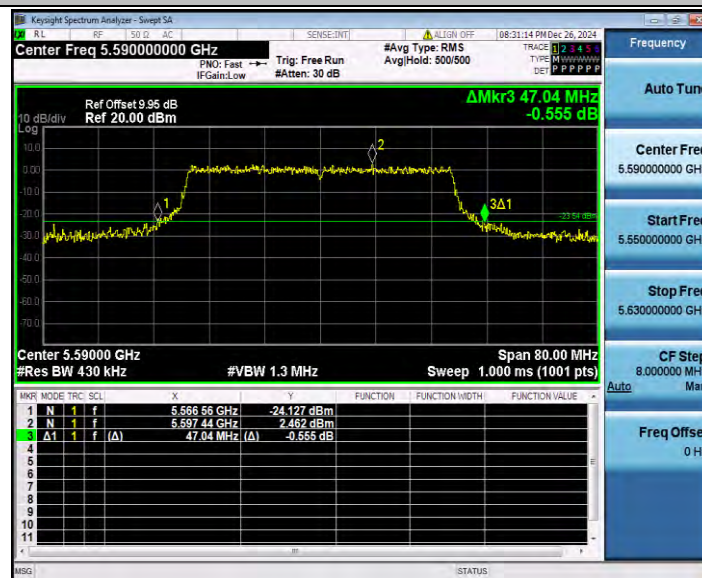
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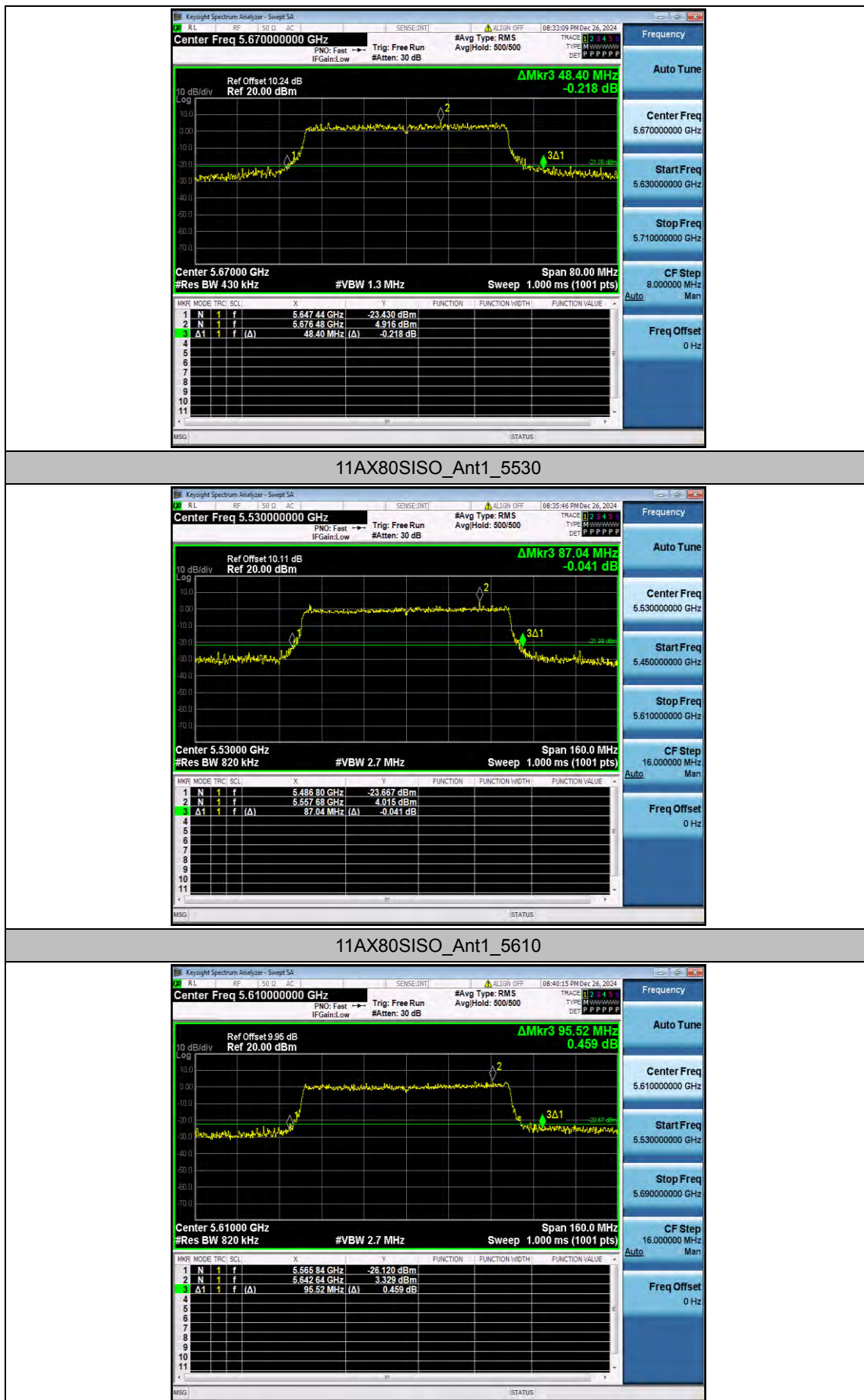
11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670

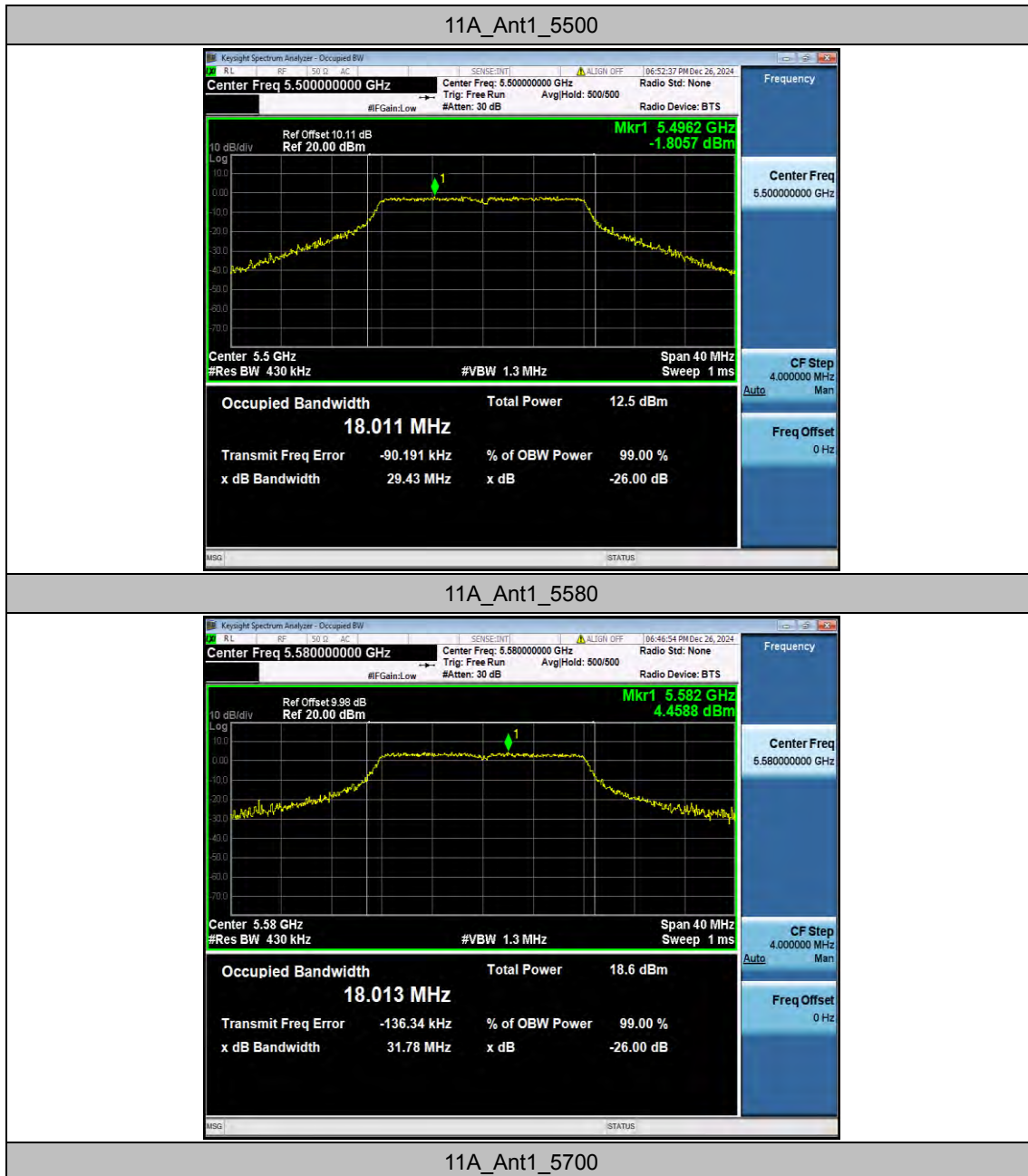


Appendix F.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5500	18.011	5490.9043	5508.9153	---	---
		5580	18.013	5570.8572	5588.8702	---	---
		5700	17.915	5691.0635	5708.9785	---	---
11N20SISO	Ant1	5500	19.082	5490.4846	5509.5666	---	---
		5580	18.984	5570.3816	5589.3656	---	---
		5700	19.082	5690.5171	5709.5991	---	---
11N40SISO	Ant1	5510	37.617	5491.3027	5528.9197	---	---
		5590	37.733	5571.1420	5608.8750	---	---
		5670	37.601	5651.3085	5688.9095	---	---
11AC20SISO	Ant1	5500	19.028	5490.4850	5509.5130	---	---
		5580	19.078	5570.3469	5589.4249	---	---
		5700	19.054	5690.5212	5709.5752	---	---
11AC40SISO	Ant1	5510	37.751	5491.2137	5528.9647	---	---
		5590	37.774	5571.0844	5608.8584	---	---
		5670	37.624	5651.3295	5688.9535	---	---
11AC80SISO	Ant1	5530	77.050	5491.5900	5568.6400	---	---
		5610	77.407	5571.6750	5649.0820	---	---
11AX20SISO	Ant1	5500	19.613	5490.2218	5509.8348	---	---
		5580	19.647	5570.1330	5589.7800	---	---
		5700	19.636	5690.2209	5709.8569	---	---
11AX40SISO	Ant1	5510	38.680	5490.7684	5529.4484	---	---
		5590	38.610	5570.6042	5609.2142	---	---
		5670	38.727	5650.6929	5689.4199	---	---
11AX80SISO	Ant1	5530	78.386	5490.9122	5569.2982	---	---
		5610	79.096	5570.7383	5649.8343	---	---

Test Graphs

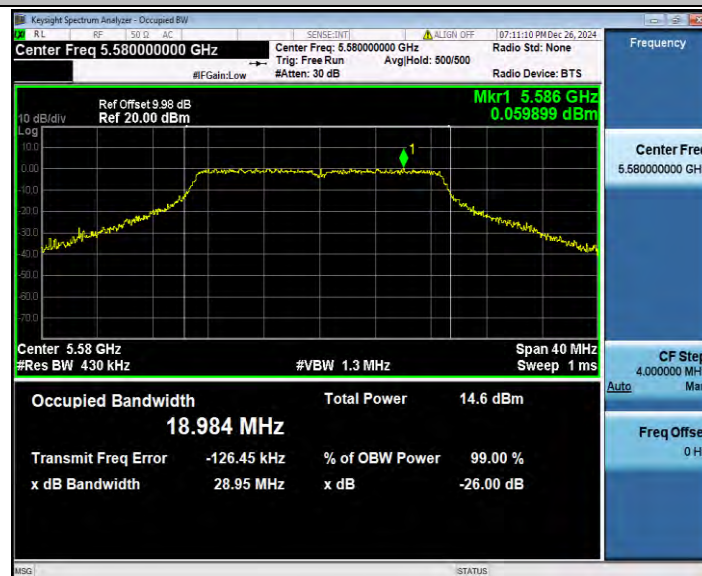




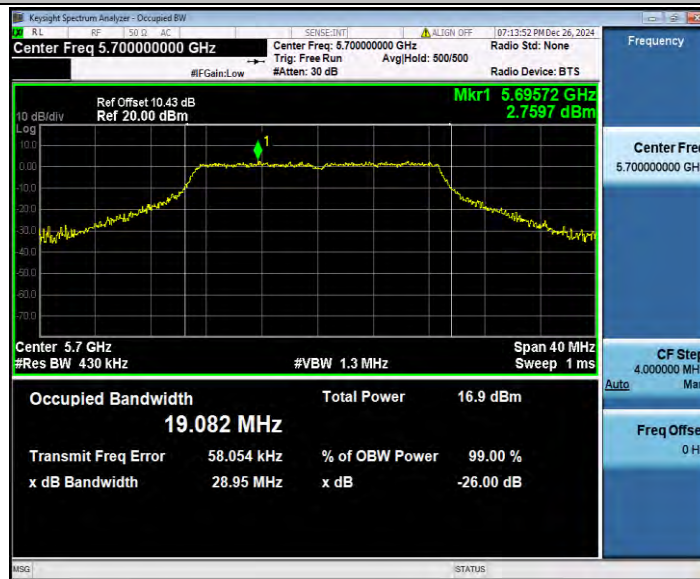
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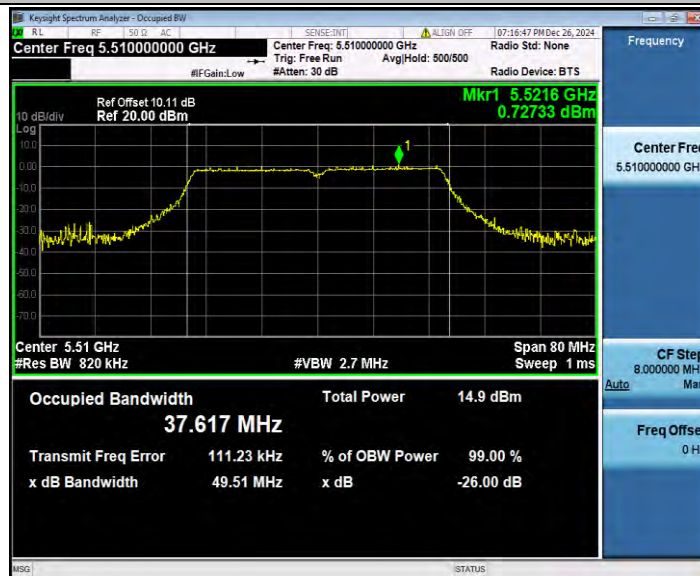
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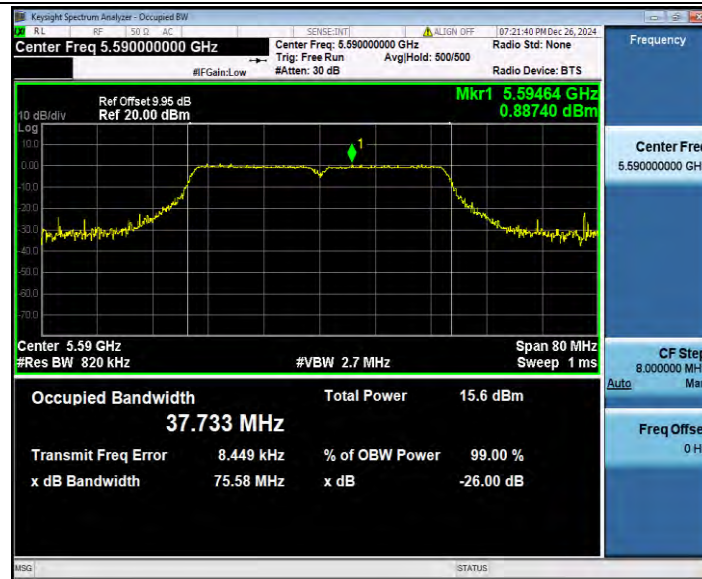
11N20SISO_Ant1_5700



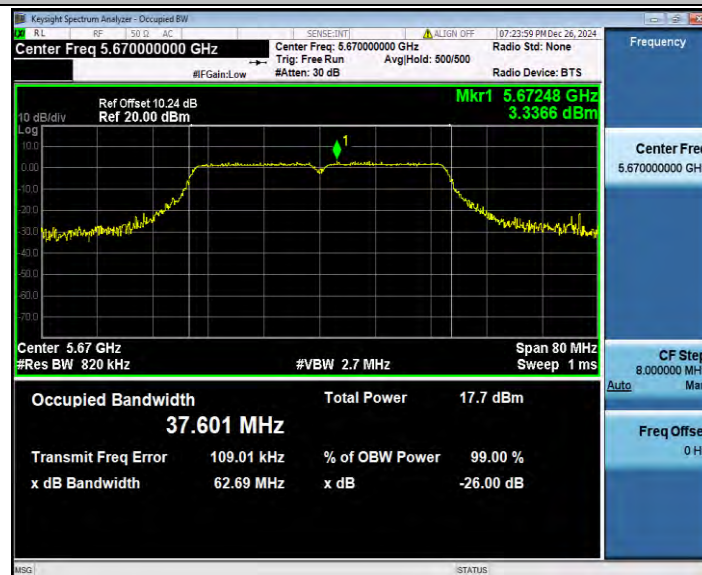
11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



11N40SISO_Ant1_5670



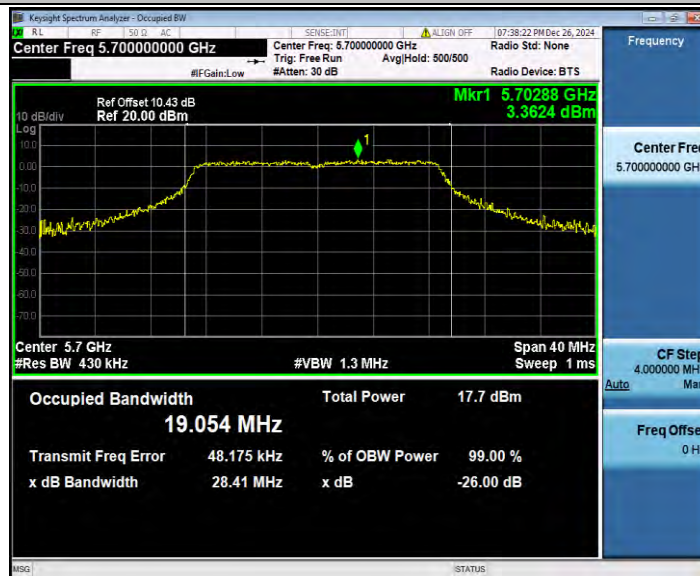
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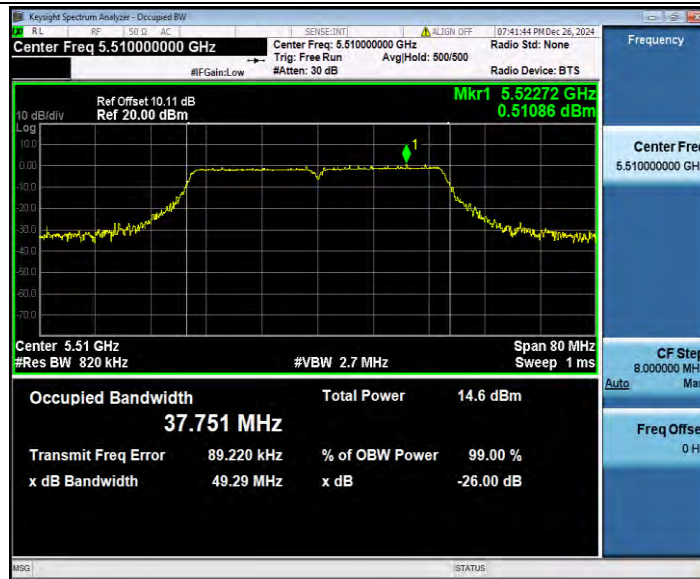
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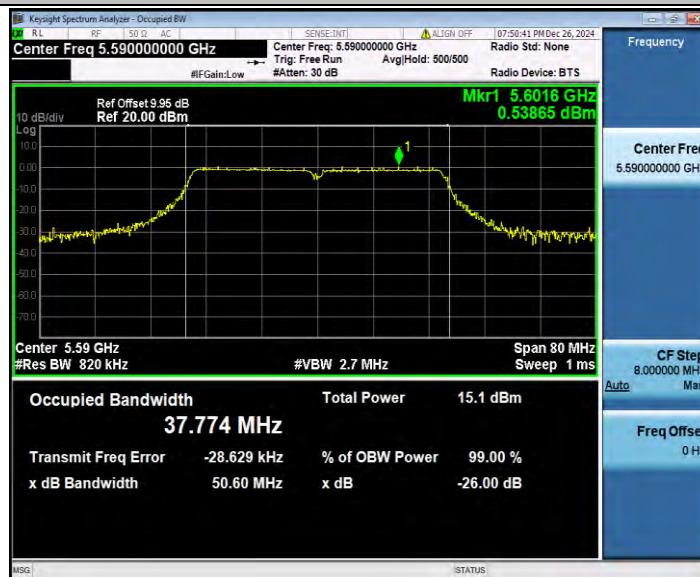
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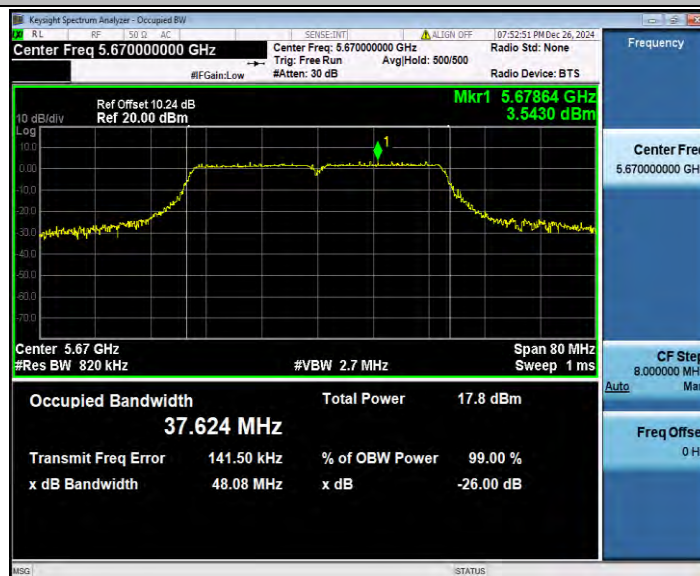
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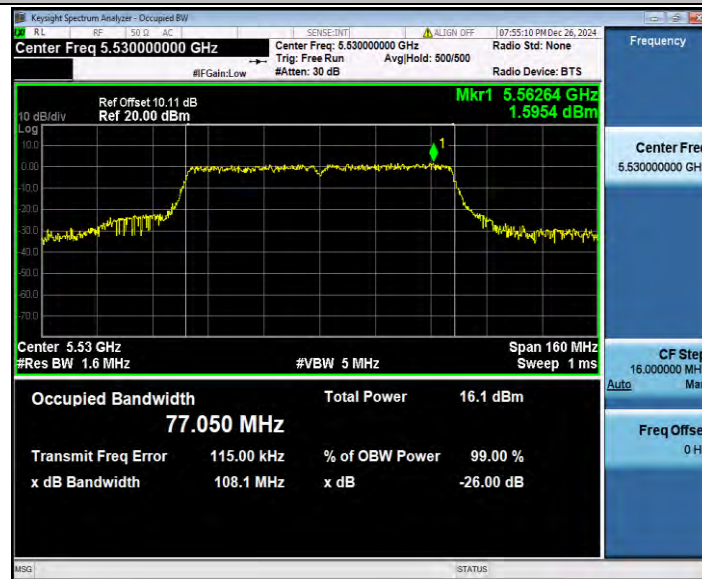
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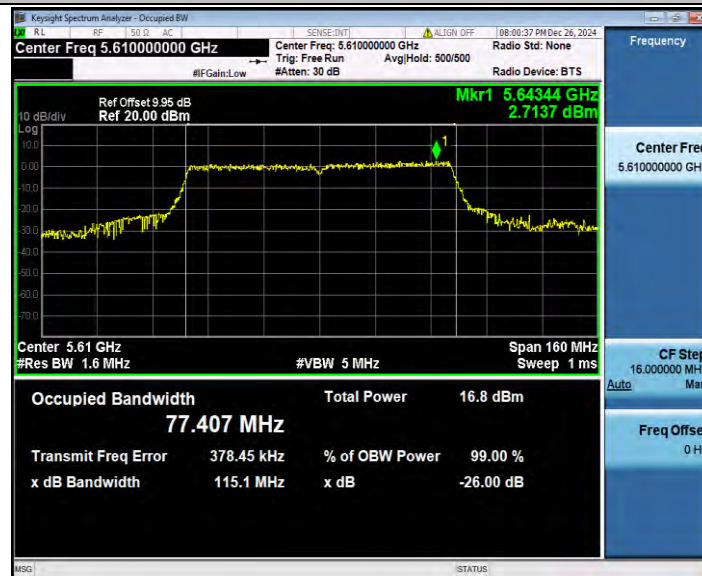
11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



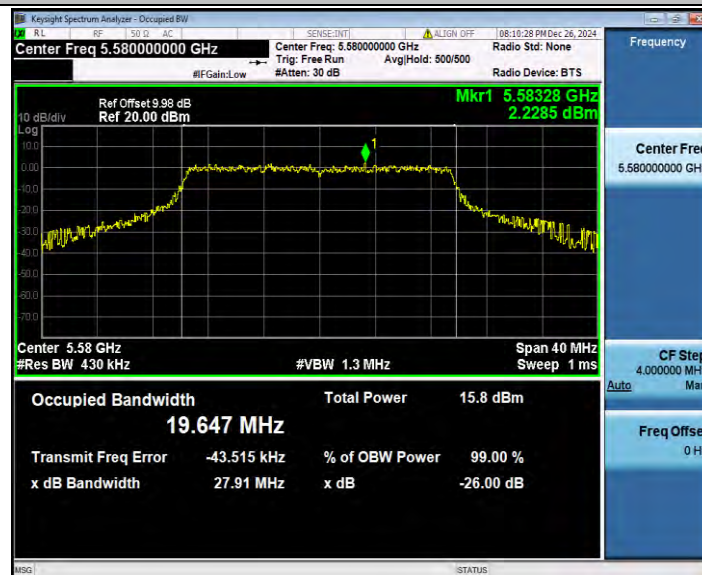
11AC80SISO_Ant1_5610



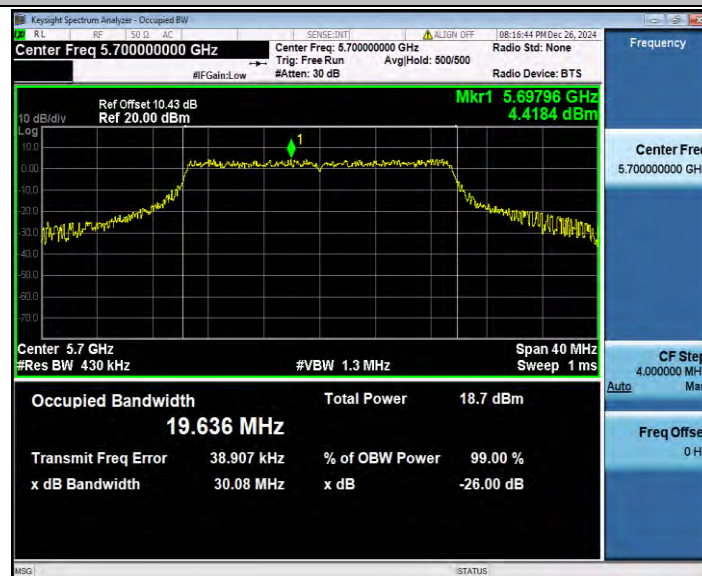
11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



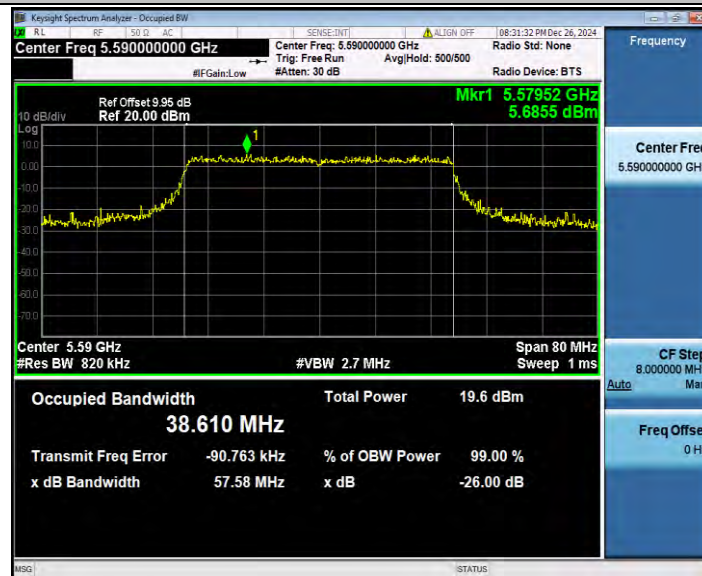
11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



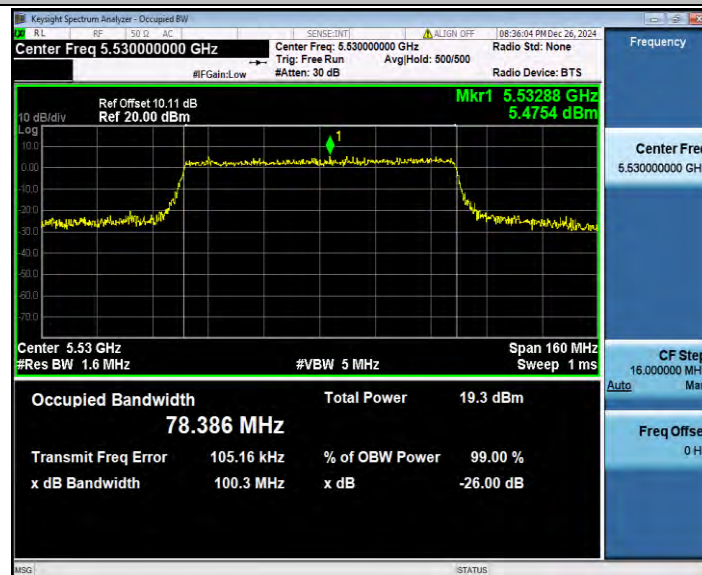
11AX40SISO_Ant1_5590



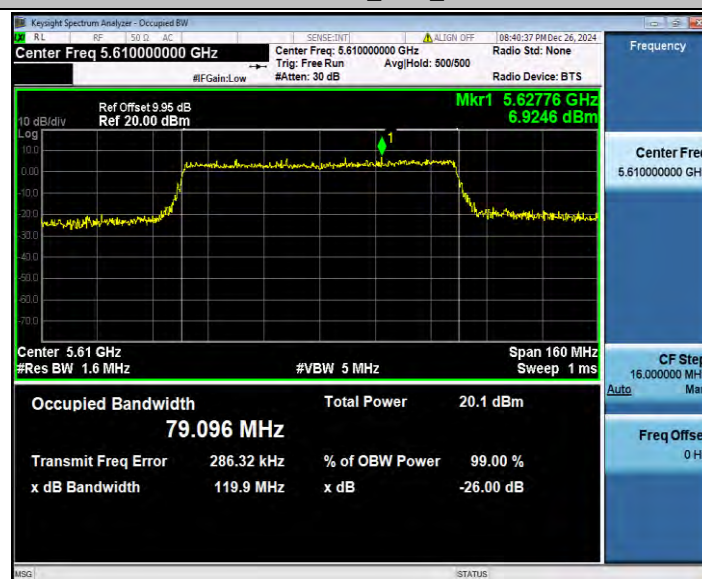
11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

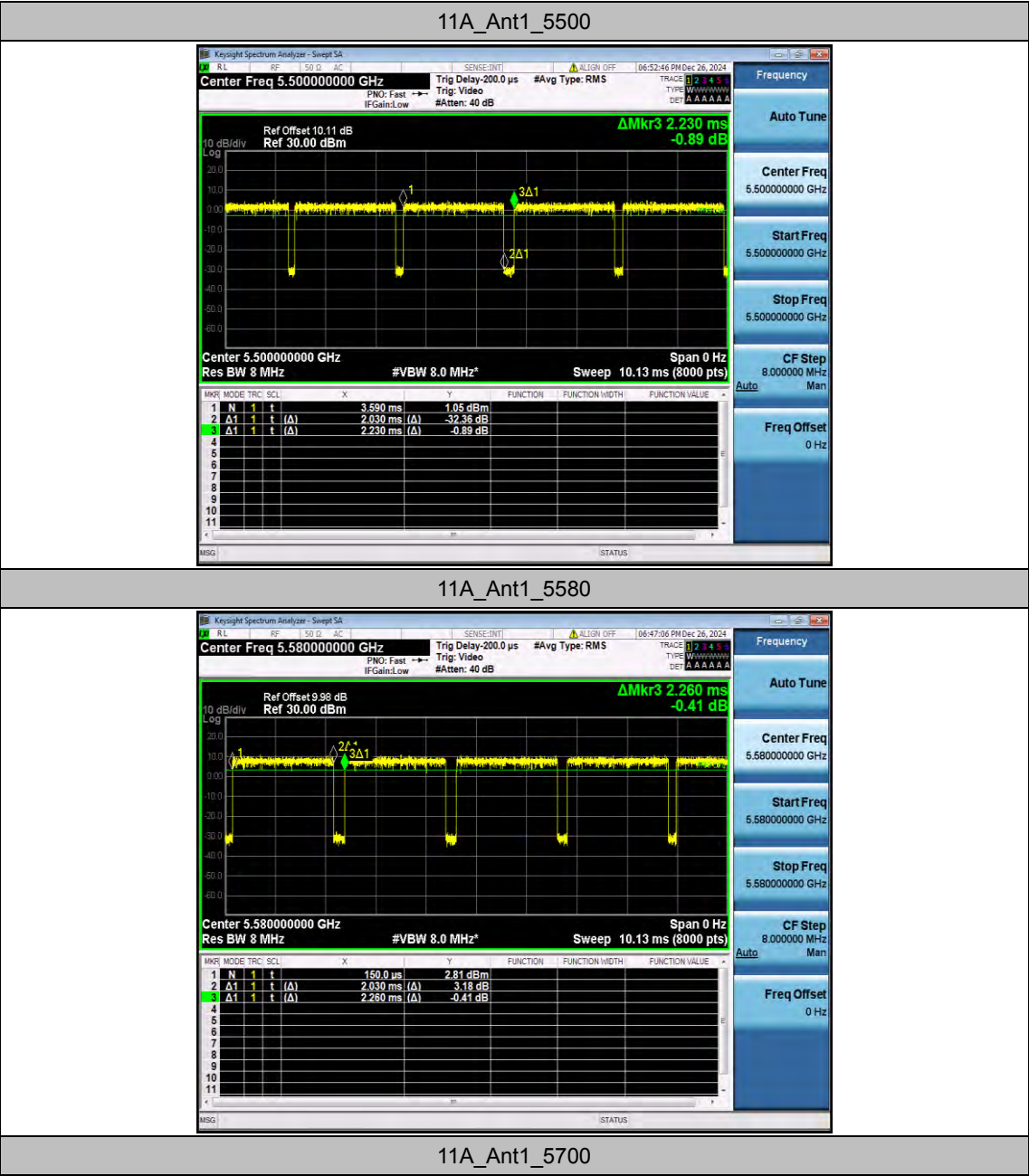


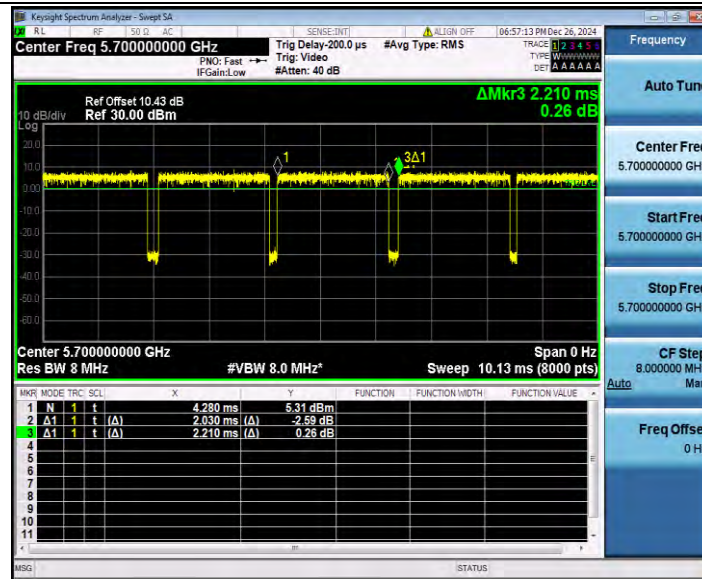
Appendix F.3: Duty Cycle

Test Result

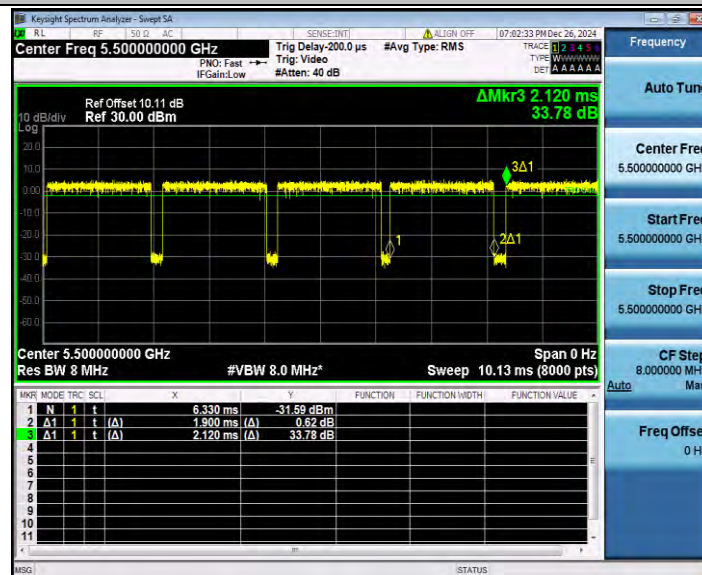
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5500	2.03	2.23	91.03	0.41	0.49
		5580	2.03	2.26	89.82	0.47	0.49
		5700	2.03	2.21	91.86	0.37	0.49
11N20SISO	Ant1	5500	1.90	2.12	89.62	0.48	0.53
		5580	1.89	2.12	89.15	0.50	0.53
		5700	1.89	2.07	91.30	0.40	0.53
11N40SISO	Ant1	5510	0.93	1.36	68.38	1.65	1.08
		5590	0.93	1.16	80.17	0.96	1.08
		5670	0.94	1.15	81.74	0.88	1.06
11AC20SISO	Ant1	5500	1.90	2.08	91.35	0.39	0.53
		5580	1.90	2.13	89.20	0.50	0.53
		5700	1.90	2.06	92.23	0.35	0.53
11AC40SISO	Ant1	5510	0.94	1.16	81.03	0.91	1.06
		5590	0.93	1.17	79.49	1.00	1.08
		5670	0.94	1.11	84.68	0.72	1.06
11AC80SISO	Ant1	5530	0.46	0.94	48.94	3.10	2.17
		5610	0.45	0.69	65.22	1.86	2.22
11AX20SISO	Ant1	5500	1.46	1.70	85.88	0.66	0.68
		5580	1.46	1.70	85.88	0.66	0.68
		5700	1.47	1.79	82.12	0.86	0.68
11AX40SISO	Ant1	5510	0.76	0.99	76.77	1.15	1.32
		5590	0.76	0.97	78.35	1.06	1.32
		5670	0.76	0.99	76.77	1.15	1.32
11AX80SISO	Ant1	5530	0.39	0.61	63.93	1.94	2.56
		5610	0.39	0.63	61.90	2.08	2.56

Test Graphs

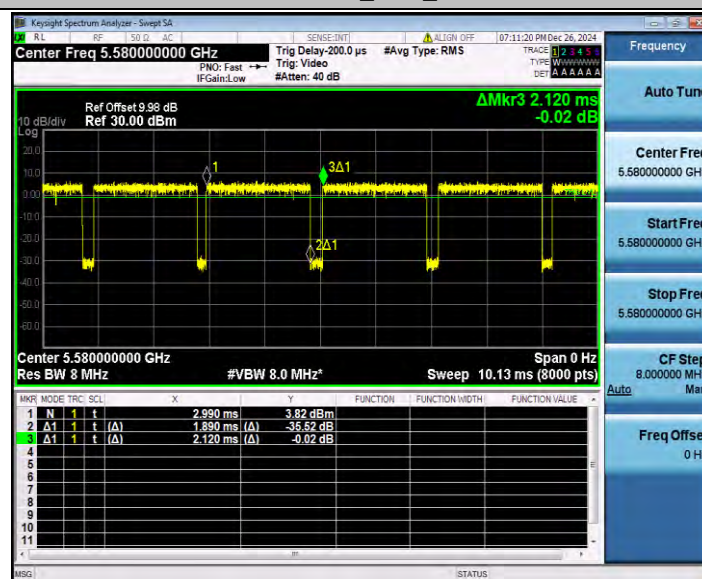




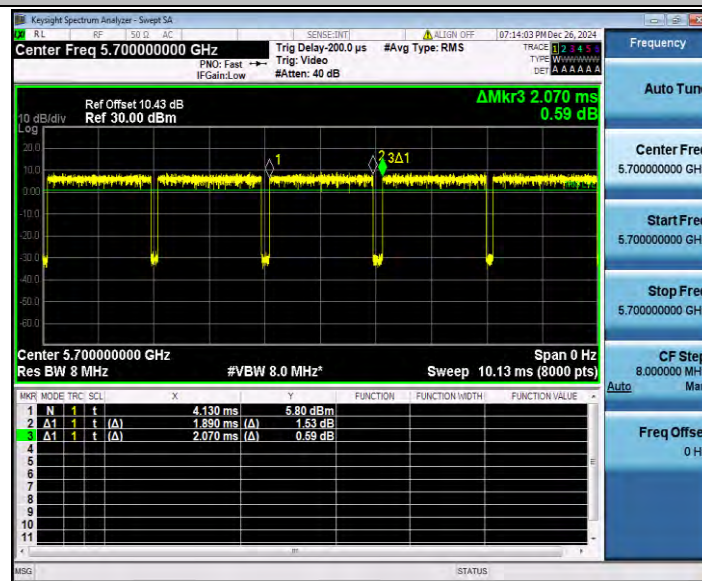
11N20SISO_Ant1_5500



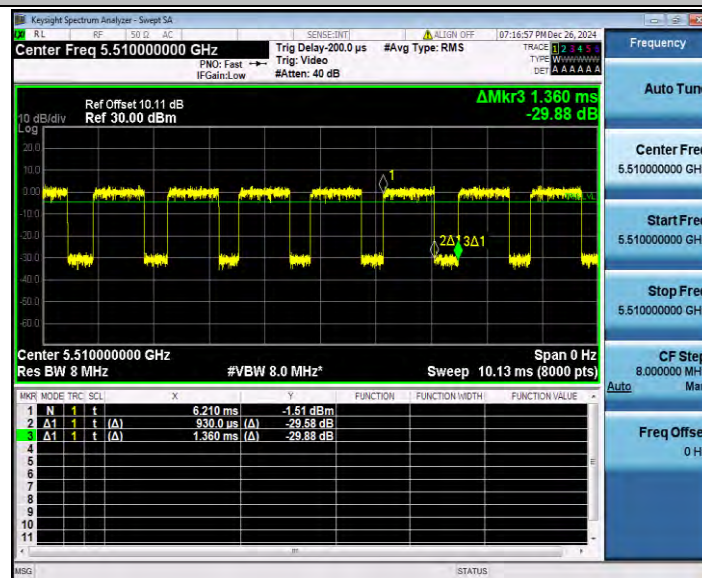
11N20SISO_Ant1_5580



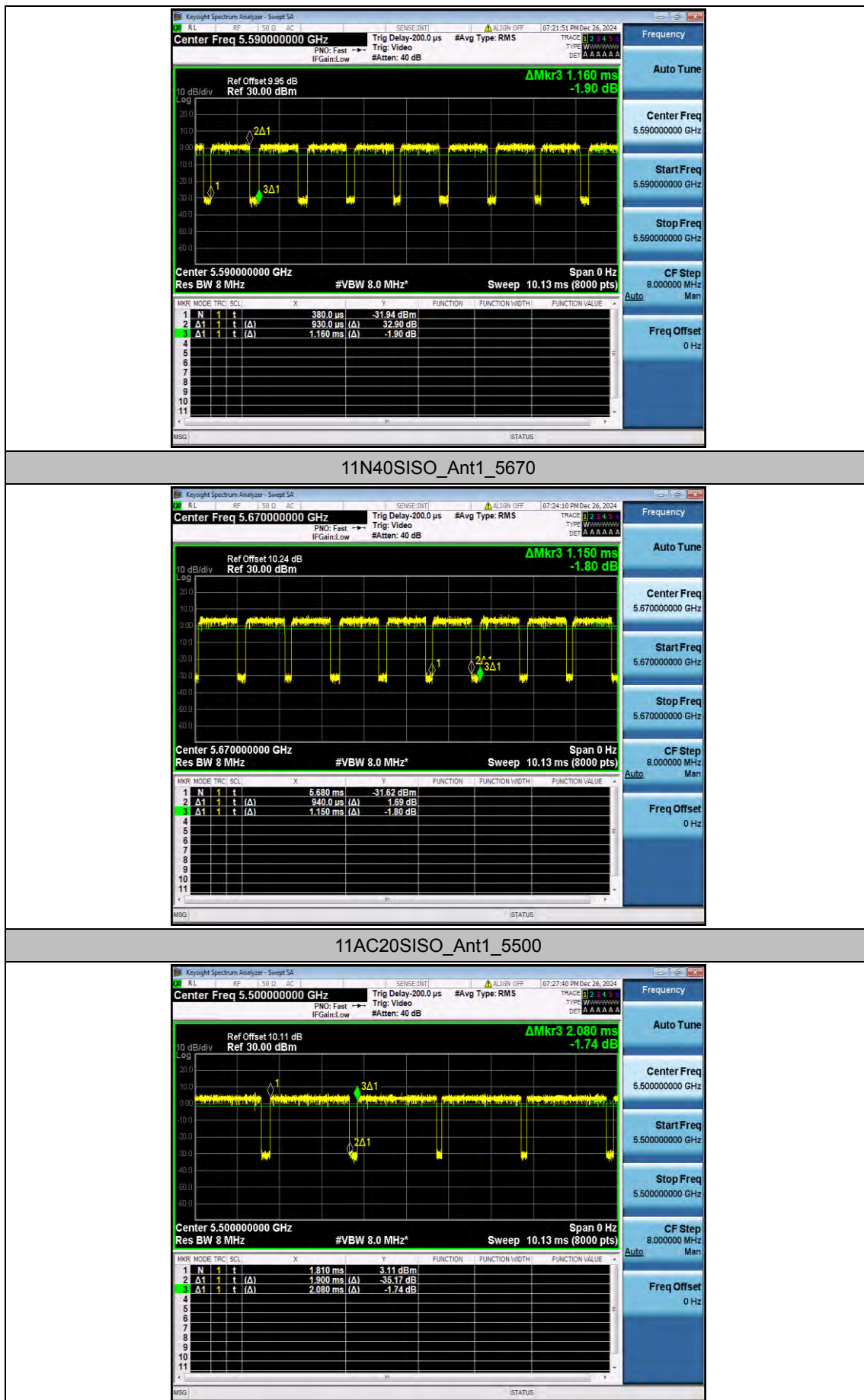
11N20SISO_Ant1_5700

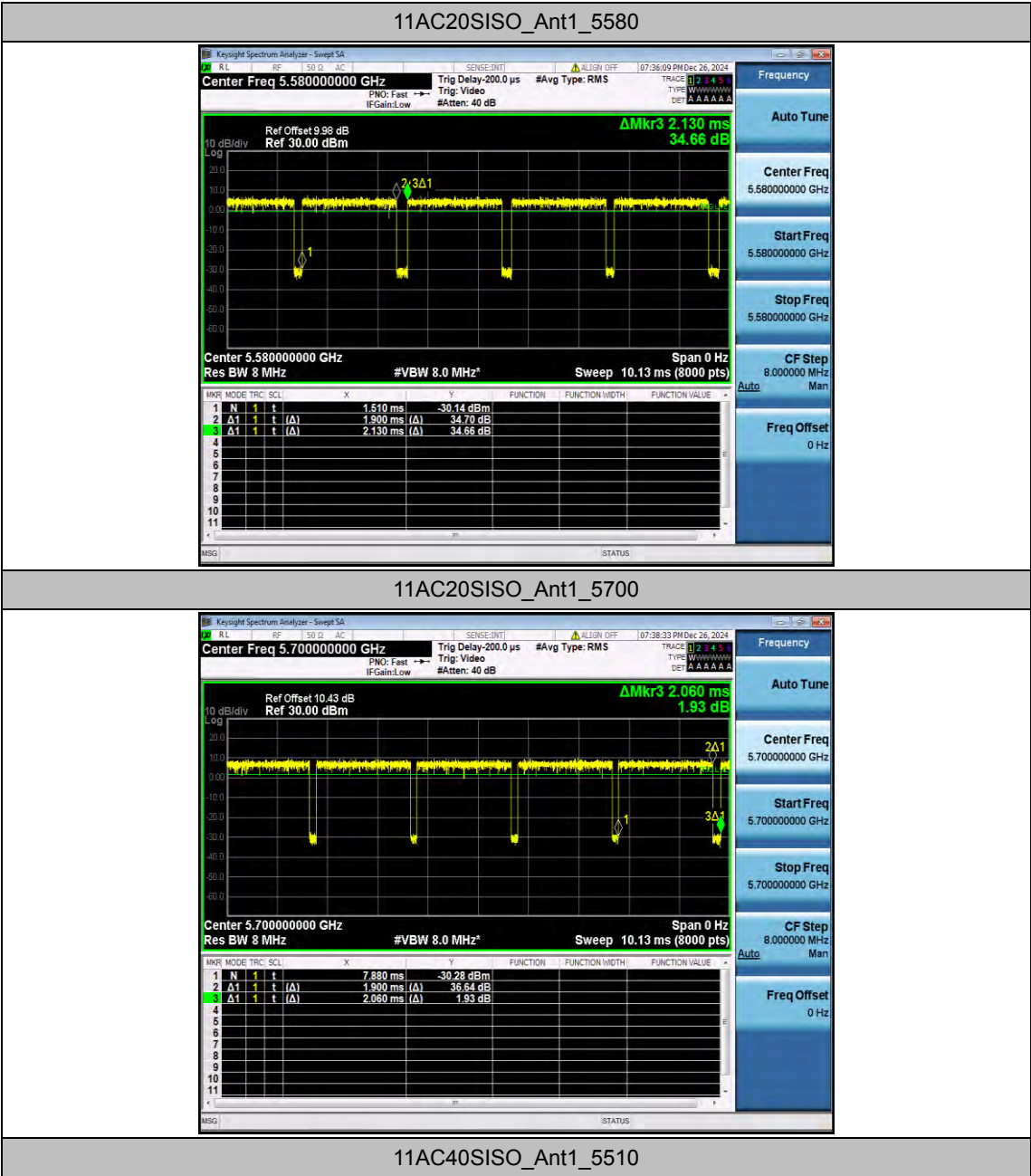


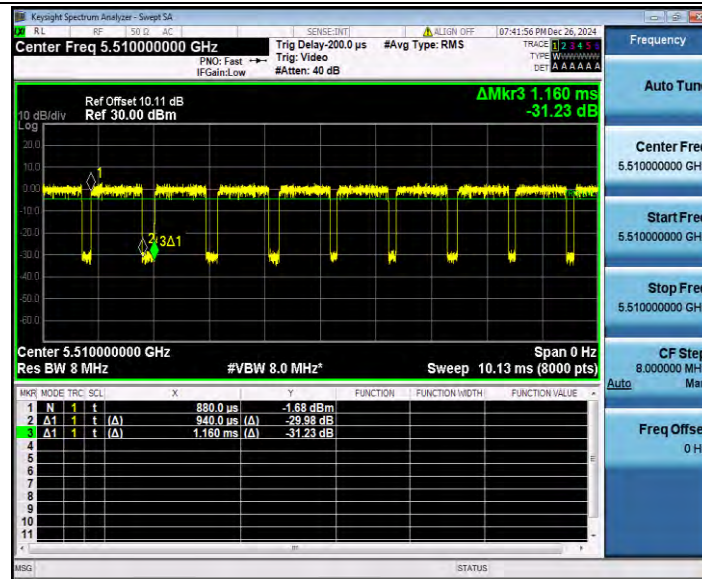
11N40SISO_Ant1_5510



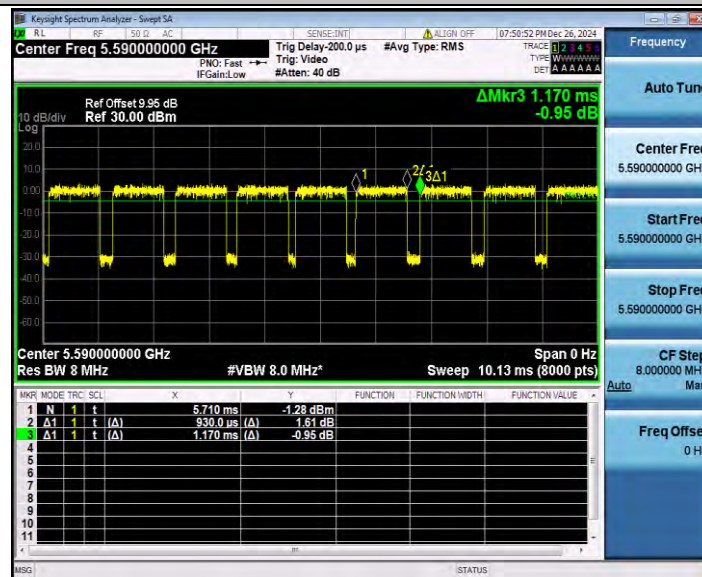
11N40SISO_Ant1_5590



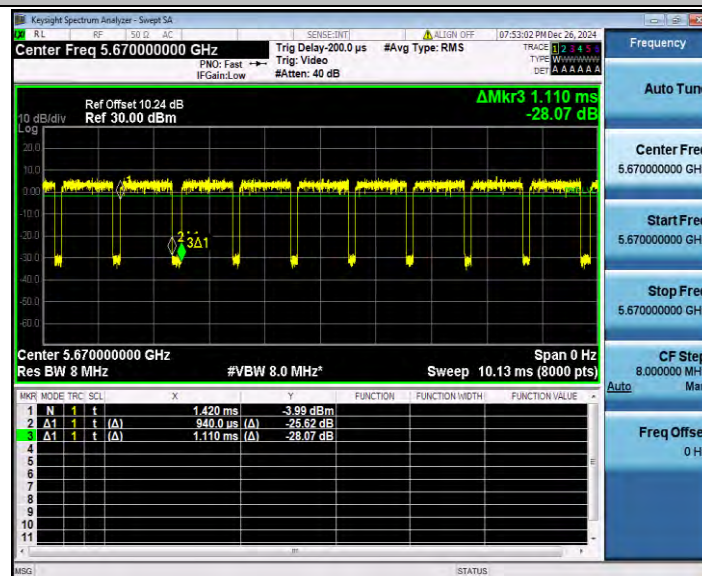




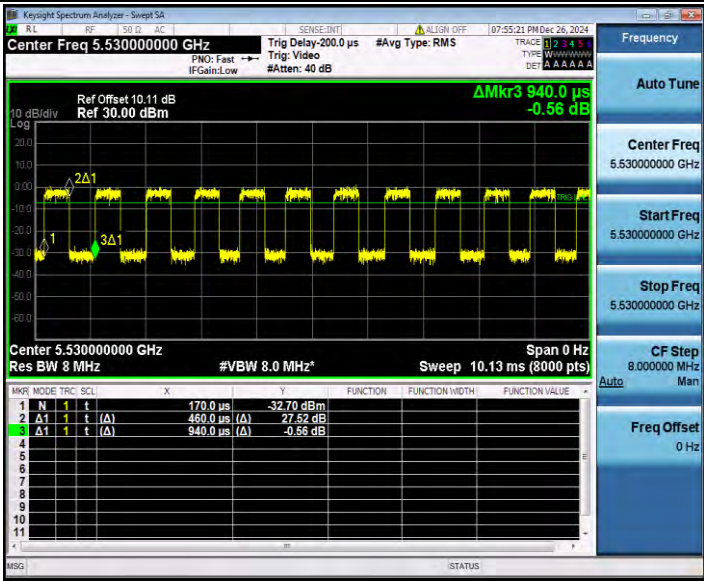
11AC40SISO_Ant1_5590



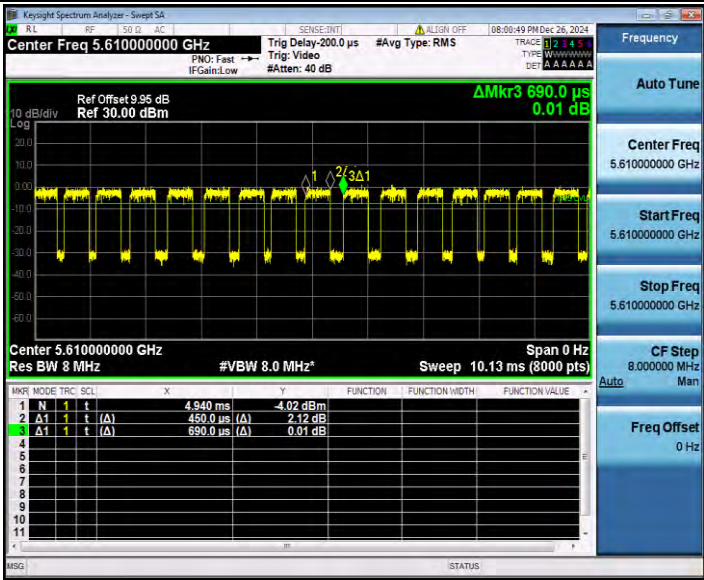
11AC40SISO_Ant1_5670



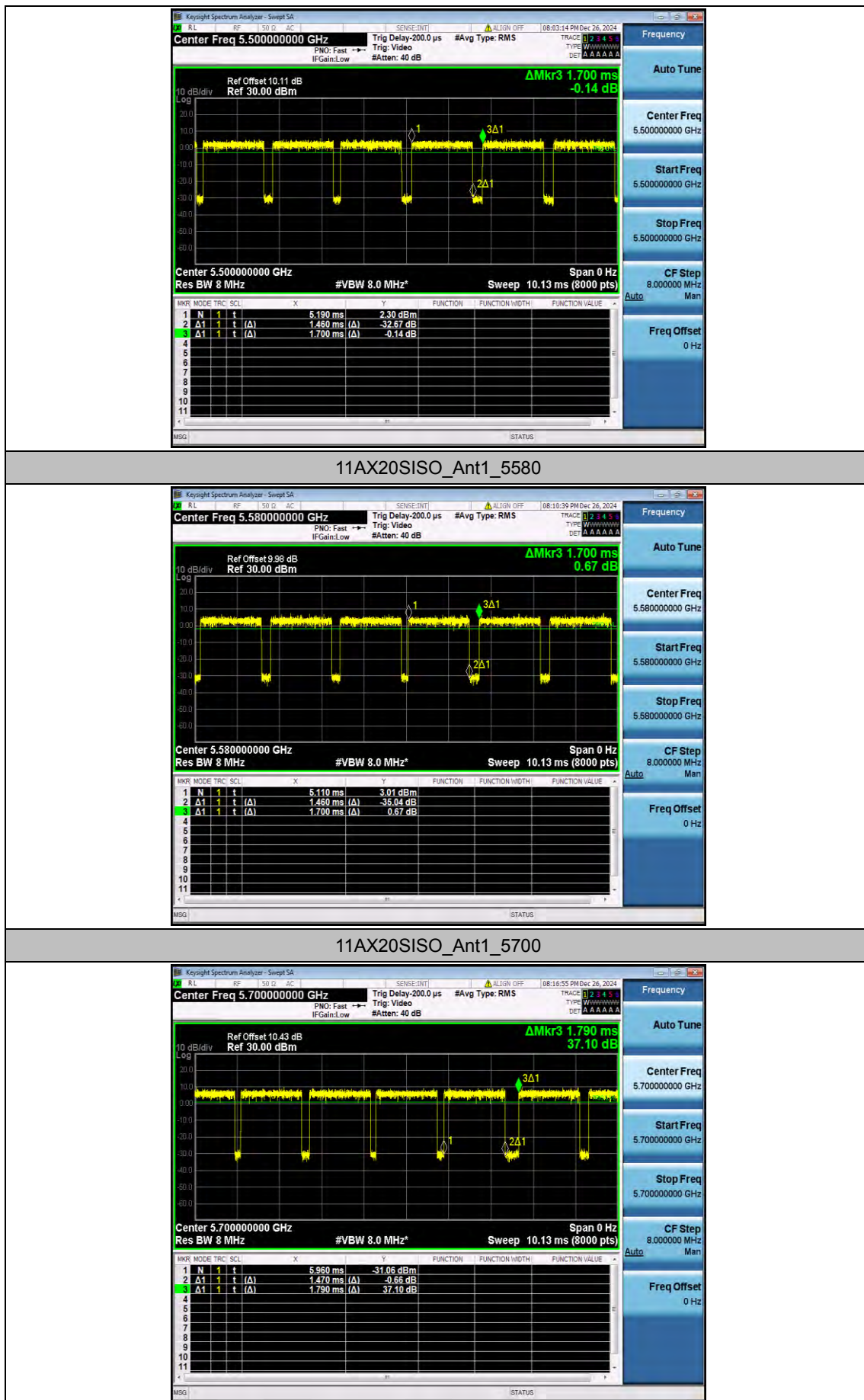
11AC80SISO_Ant1_5530

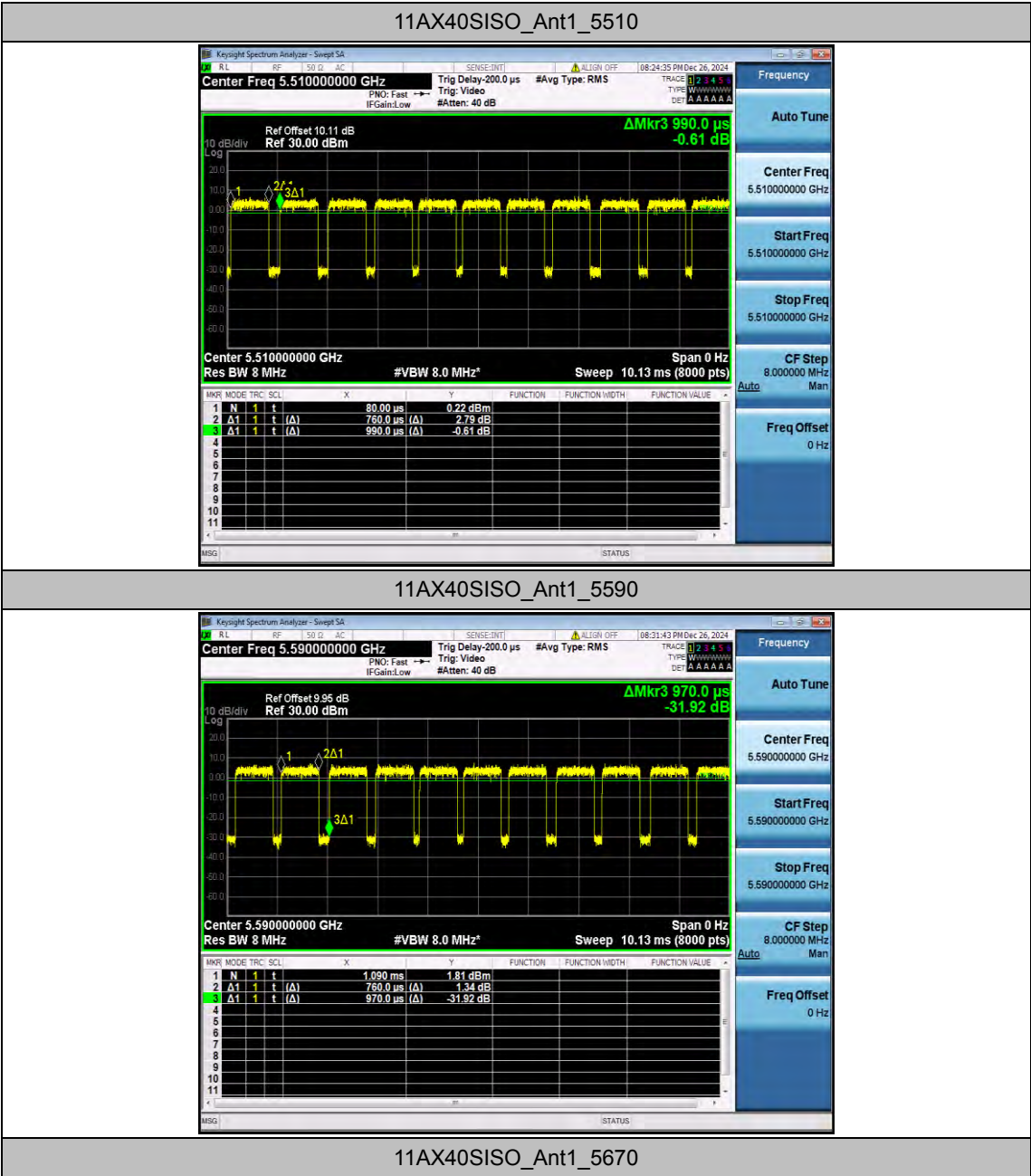


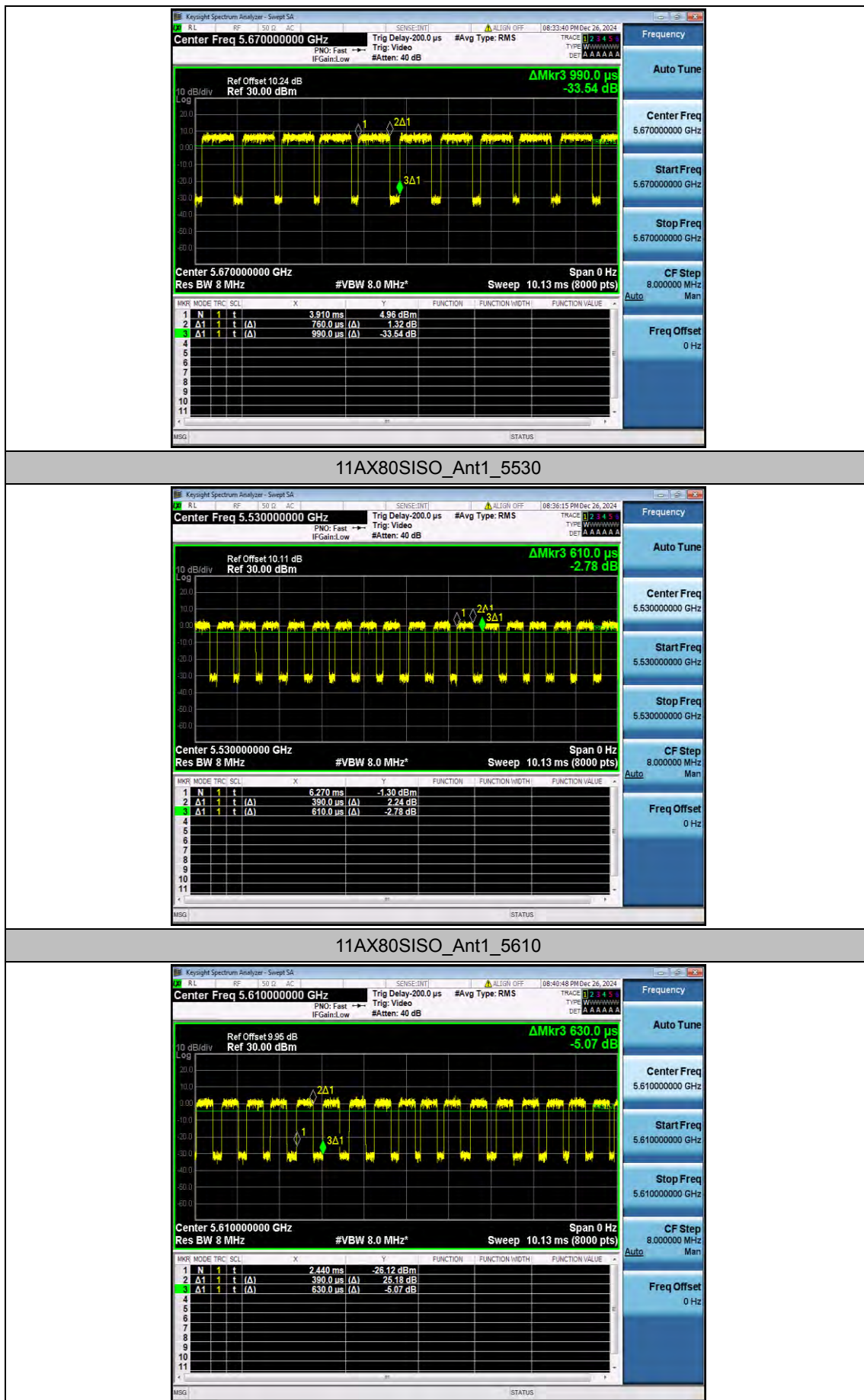
11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500







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	9.25	91.03	0.41	9.66	≤23.98	PASS
		5580	11.38	89.82	0.47	11.85	≤23.98	PASS
		5700	8.66	91.86	0.37	9.03	≤23.98	PASS
11N20SISO	Ant1	5500	8.45	89.62	0.48	8.93	≤23.98	PASS
		5580	8.37	89.15	0.50	8.87	≤23.98	PASS
		5700	9.77	91.30	0.40	10.17	≤23.98	PASS
11N40SISO	Ant1	5510	6.83	68.38	1.65	8.48	≤23.98	PASS
		5590	8.50	80.17	0.96	9.46	≤23.98	PASS
		5670	9.67	81.74	0.88	10.55	≤23.98	PASS
11AC20SISO	Ant1	5500	7.30	91.35	0.39	7.69	≤23.98	PASS
		5580	8.08	89.20	0.50	8.58	≤23.98	PASS
		5700	10.53	92.23	0.35	10.88	≤23.98	PASS
11AC40SISO	Ant1	5510	6.49	81.03	0.91	7.40	≤23.98	PASS
		5590	7.07	79.49	1.00	8.07	≤23.98	PASS
		5670	9.69	84.68	0.72	10.41	≤23.98	PASS
11AC80SISO	Ant1	5530	5.30	48.94	3.10	8.40	≤23.98	PASS
		5610	6.68	65.22	1.86	8.54	≤23.98	PASS
11AX20SISO	Ant1	5500	8.30	85.88	0.66	8.96	≤23.98	PASS
		5580	8.08	85.88	0.66	8.74	≤23.98	PASS
		5700	9.89	82.12	0.86	10.75	≤23.98	PASS
11AX40SISO	Ant1	5510	9.59	76.77	1.15	10.74	≤23.98	PASS
		5590	9.65	78.35	1.06	10.71	≤23.98	PASS
		5670	11.58	76.77	1.15	12.73	≤23.98	PASS
11AX80SISO	Ant1	5530	8.75	63.93	1.94	10.69	≤23.98	PASS
		5610	9.42	61.90	2.08	11.50	≤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	-6.11	≤11.00	PASS
		5580	0.25	≤11.00	PASS
		5700	-2.57	≤11.00	PASS
11N20SISO	Ant1	5500	-5.11	≤11.00	PASS
		5580	-4.10	≤11.00	PASS
		5700	-1.75	≤11.00	PASS
11N40SISO	Ant1	5510	-5.76	≤11.00	PASS
		5590	-6.10	≤11.00	PASS
		5670	-4.10	≤11.00	PASS
11AC20SISO	Ant1	5500	-4.52	≤11.00	PASS
		5580	-3.27	≤11.00	PASS
		5700	-1.07	≤11.00	PASS
11AC40SISO	Ant1	5510	-6.88	≤11.00	PASS
		5590	-6.31	≤11.00	PASS
		5670	-4.12	≤11.00	PASS
11AC80SISO	Ant1	5530	-7.29	≤11.00	PASS
		5610	-7.79	≤11.00	PASS
11AX20SISO	Ant1	5500	-5.37	≤11.00	PASS
		5580	-4.38	≤11.00	PASS
		5700	-1.32	≤11.00	PASS
11AX40SISO	Ant1	5510	-4.31	≤11.00	PASS
		5590	-4.15	≤11.00	PASS
		5670	-1.75	≤11.00	PASS
11AX80SISO	Ant1	5530	-6.94	≤11.00	PASS
		5610	-4.88	≤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



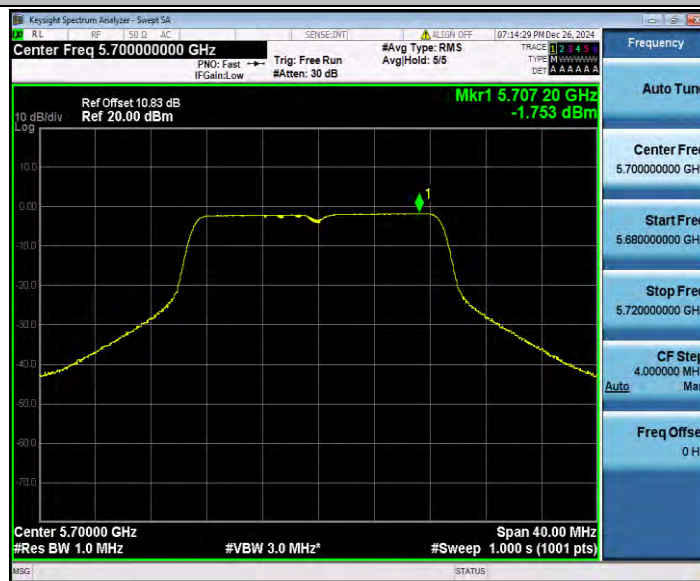
11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



11N40SISO_Ant1_5510



11N40SISO_Ant1_5590



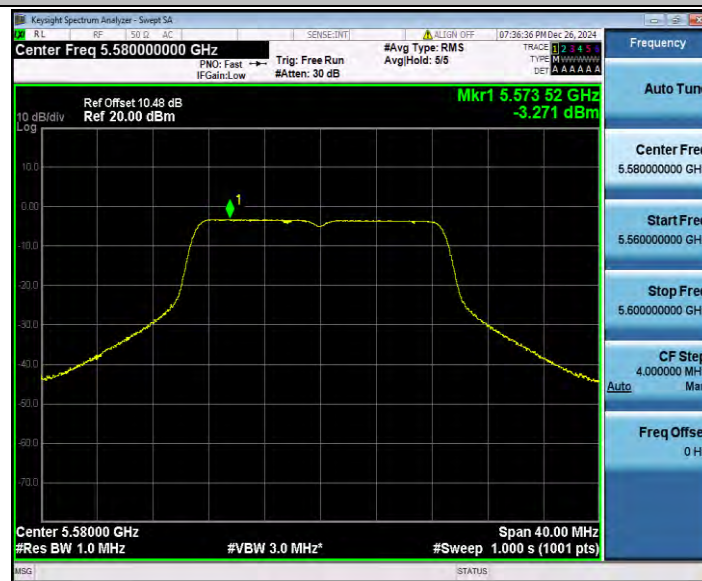
11N40SISO_Ant1_5670



11AC20SISO_Ant1_5500



11AC20SISO_Ant1_5580



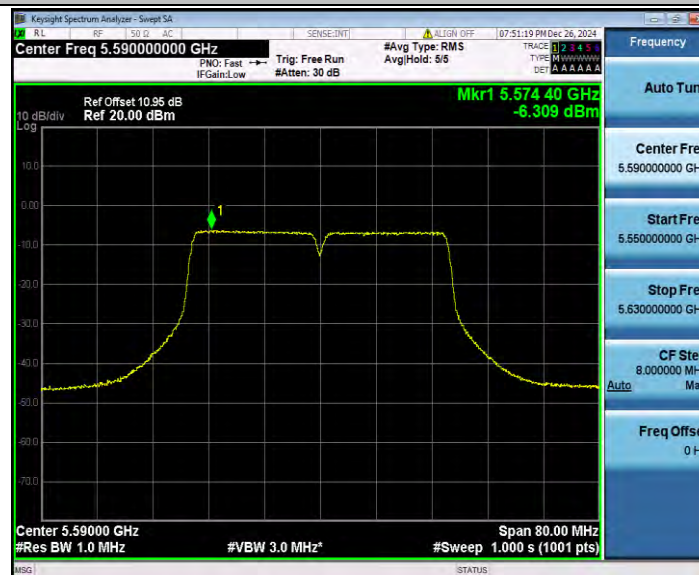
11AC20SISO_Ant1_5700



11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5590



11AC40SISO_Ant1_5670



11AC80SISO_Ant1_5530



11AC80SISO_Ant1_5610



11AX20SISO_Ant1_5500



11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5590



11AX40SISO_Ant1_5670



11AX80SISO_Ant1_5530



11AX80SISO_Ant1_5610

