

Case No. : <u>GTS20241108022-2-04</u>	
Ambient Condition: <u>22</u> °C, <u>47</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.12.25</u>	Test Engineer: <u>Evan ouyang</u>

Appendix E.1: Emission Bandwidth

Test Result

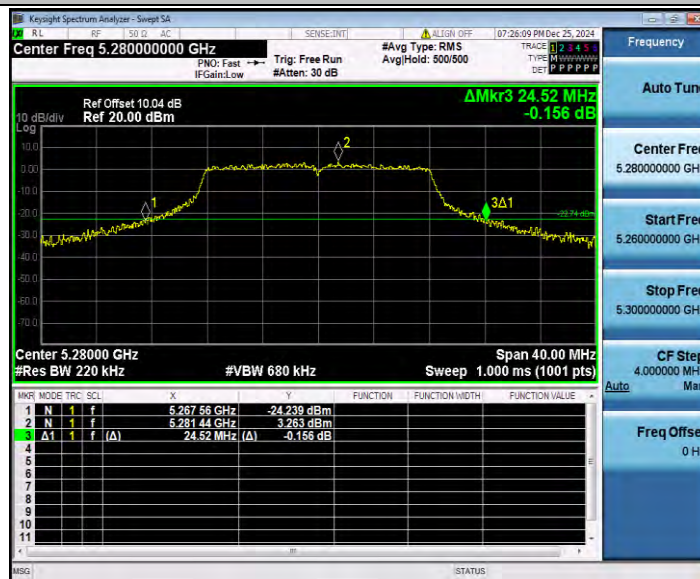
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	29.520	5246.480	5276.000	---	---
		5280	24.520	5267.560	5292.080	---	---
		5320	25.600	5306.560	5332.160	---	---
11N20SISO	Ant1	5260	25.840	5246.960	5272.800	---	---
		5280	26.160	5267.080	5293.240	---	---
		5320	25.160	5307.200	5332.360	---	---
11N40SISO	Ant1	5270	45.920	5246.800	5292.720	---	---
		5310	45.280	5287.360	5332.640	---	---
11AC20SISO	Ant1	5260	25.880	5246.400	5272.280	---	---
		5280	26.120	5267.400	5293.520	---	---
		5320	25.120	5307.520	5332.640	---	---
11AC40SISO	Ant1	5270	45.440	5247.280	5292.720	---	---
		5310	46.640	5286.720	5333.360	---	---
11AC80SISO	Ant1	5290	87.520	5246.000	5333.520	---	---
11AX20SISO	Ant1	5260	25.040	5247.320	5272.360	---	---
		5280	26.040	5266.920	5292.960	---	---
		5320	25.000	5307.640	5332.640	---	---
11AX40SISO	Ant1	5270	45.520	5247.680	5293.200	---	---
		5310	44.400	5287.600	5332.000	---	---
11AX80SISO	Ant1	5290	85.760	5247.120	5332.880	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



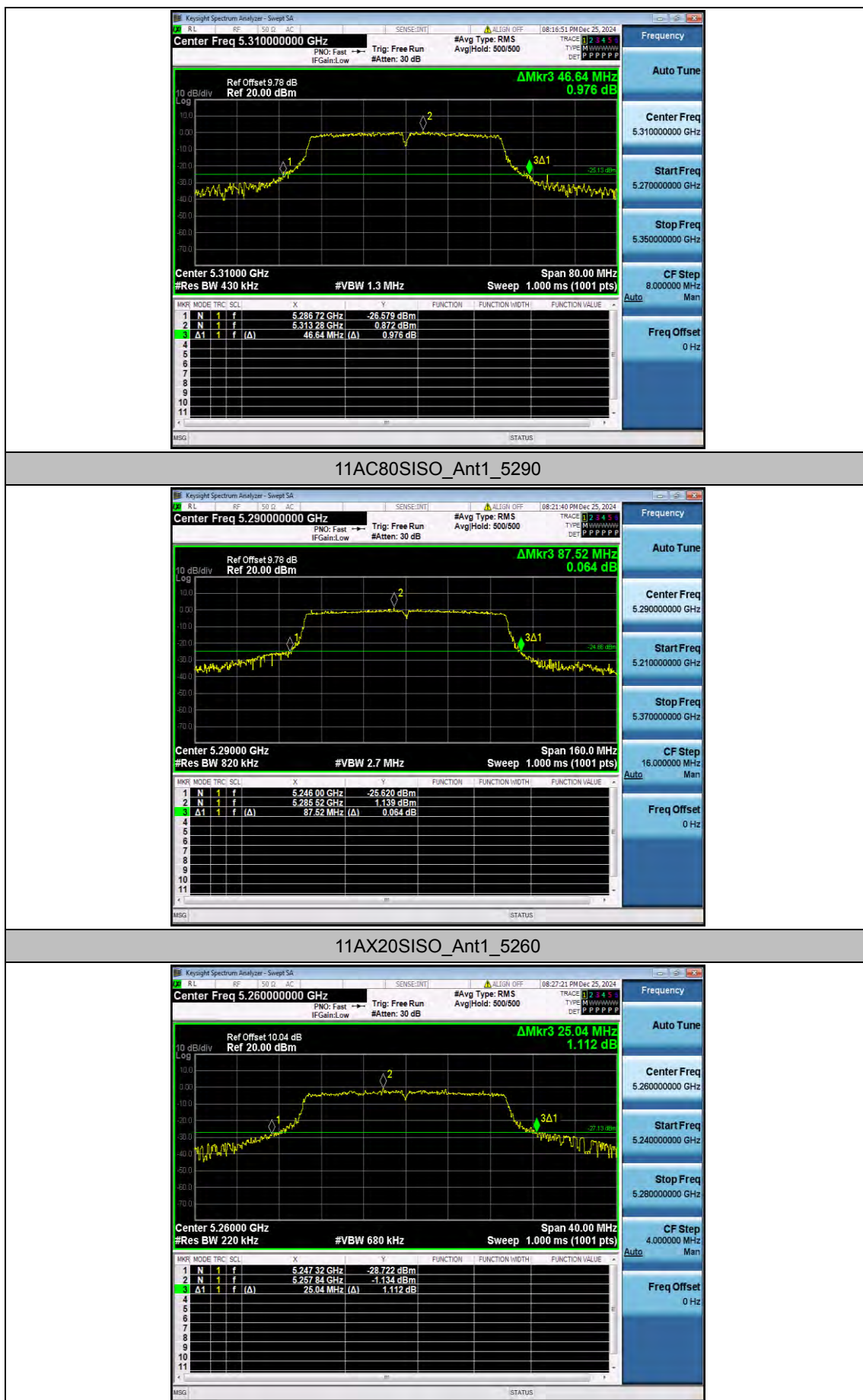
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



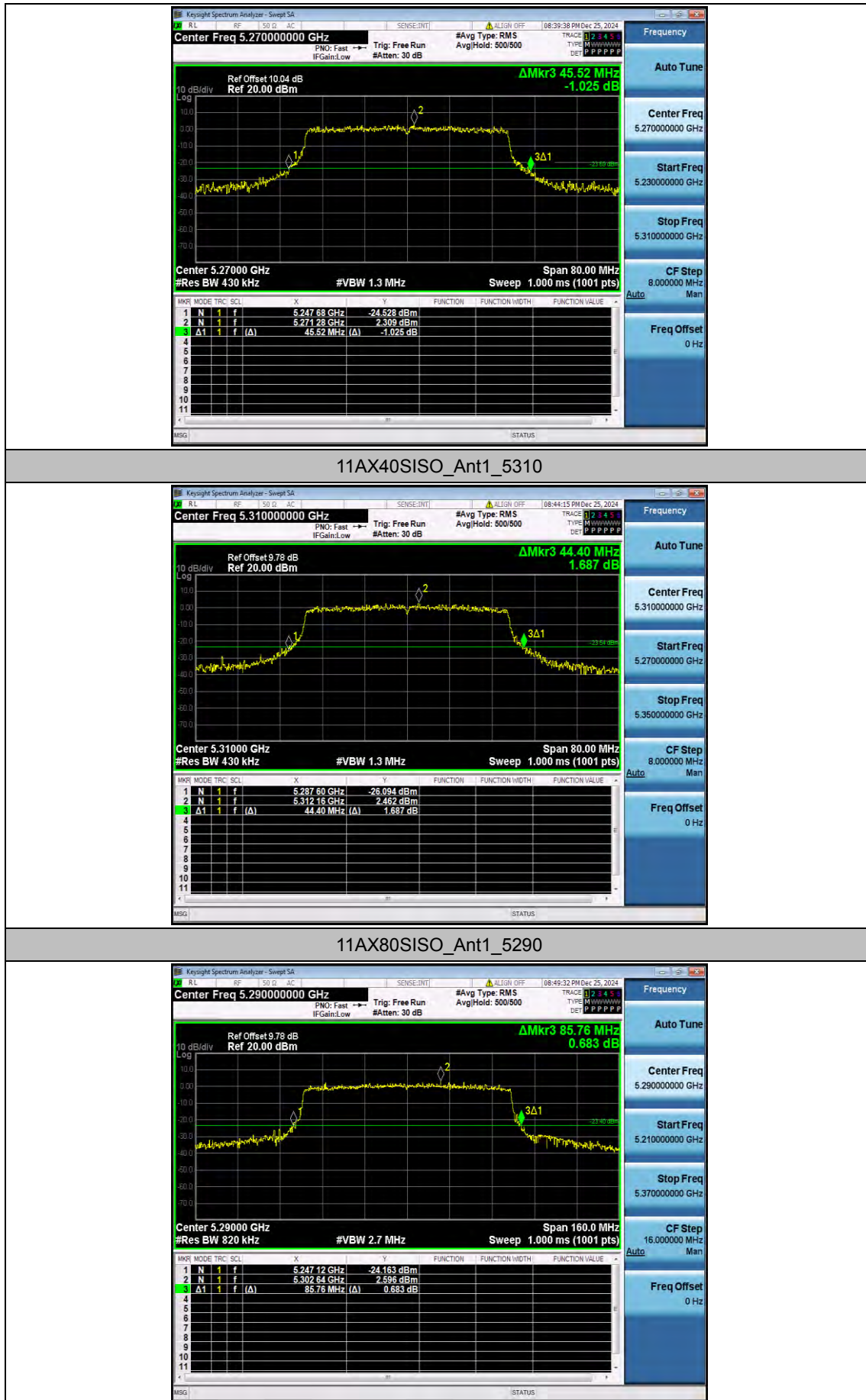
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270

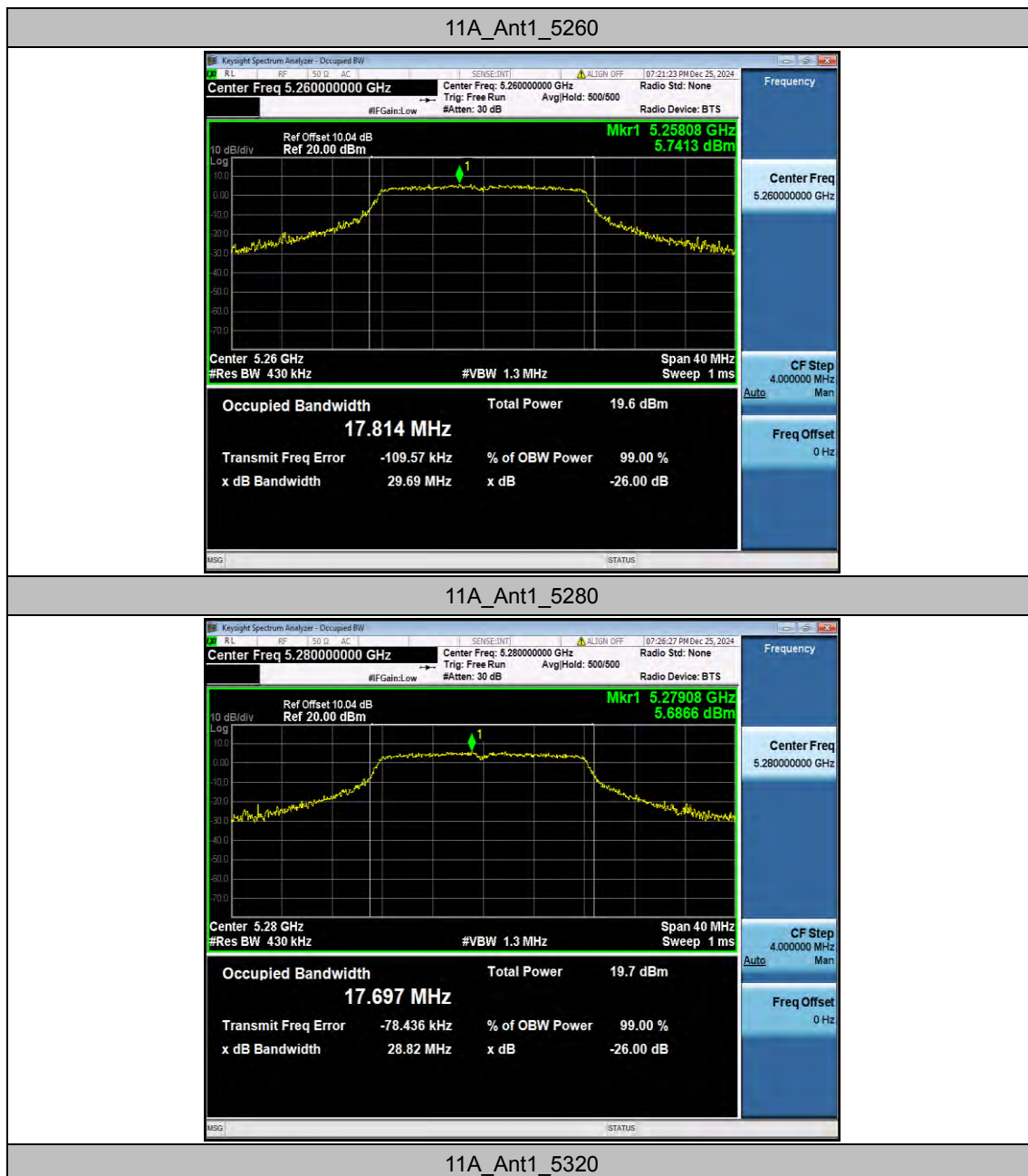


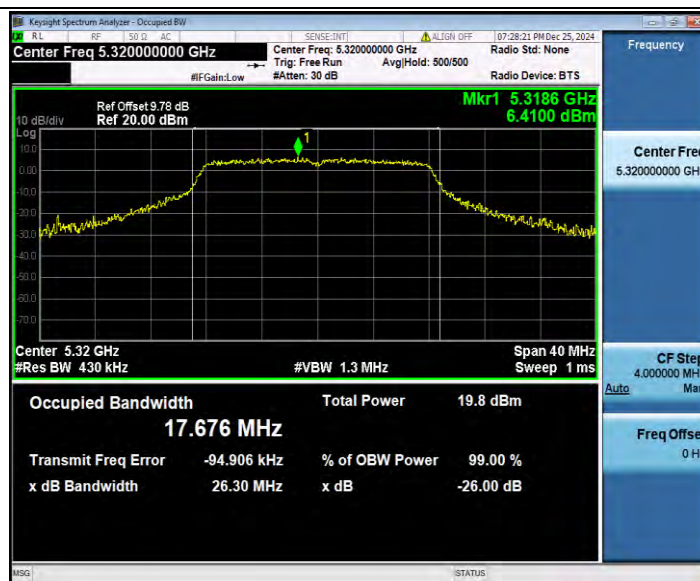
Appendix E.2: Occupied channel bandwidth

Test Result

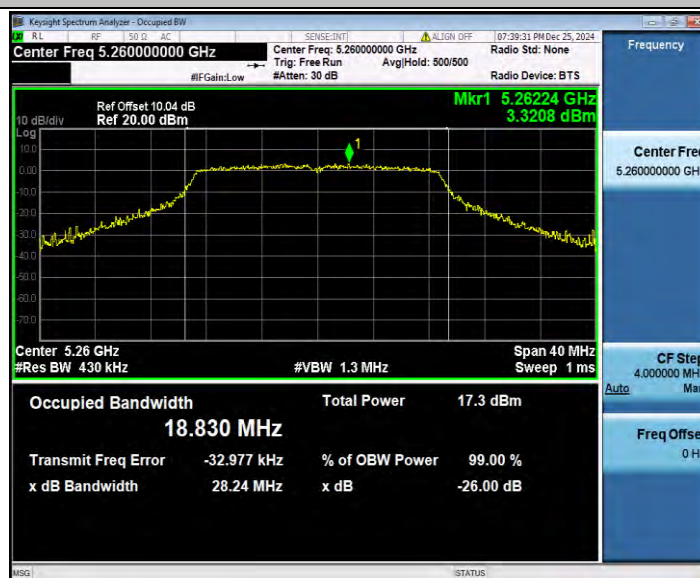
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.814	5250.9834	5268.7974	---	---
		5280	17.697	5271.0731	5288.7701	---	---
		5320	17.676	5311.0671	5328.7431	---	---
11N20SISO	Ant1	5260	18.830	5250.5520	5269.3820	---	---
		5280	18.754	5270.5620	5289.3160	---	---
		5320	18.713	5310.5862	5329.2992	---	---
11N40SISO	Ant1	5270	37.291	5251.2962	5288.5872	---	---
		5310	37.147	5291.3935	5328.5405	---	---
11AC20SISO	Ant1	5260	18.764	5250.5715	5269.3355	---	---
		5280	18.771	5270.5915	5289.3625	---	---
		5320	18.732	5310.5736	5329.3056	---	---
11AC40SISO	Ant1	5270	37.352	5251.3039	5288.6559	---	---
		5310	37.289	5291.3051	5328.5941	---	---
11AC80SISO	Ant1	5290	76.455	5251.6958	5328.1508	---	---
11AX20SISO	Ant1	5260	19.409	5250.2914	5269.7004	---	---
		5280	19.446	5270.2478	5289.6938	---	---
		5320	19.455	5310.2772	5329.7322	---	---
11AX40SISO	Ant1	5270	38.374	5250.7824	5289.1564	---	---
		5310	38.286	5290.8237	5329.1097	---	---
11AX80SISO	Ant1	5290	77.811	5251.0957	5328.9067	---	---

Test Graphs





11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



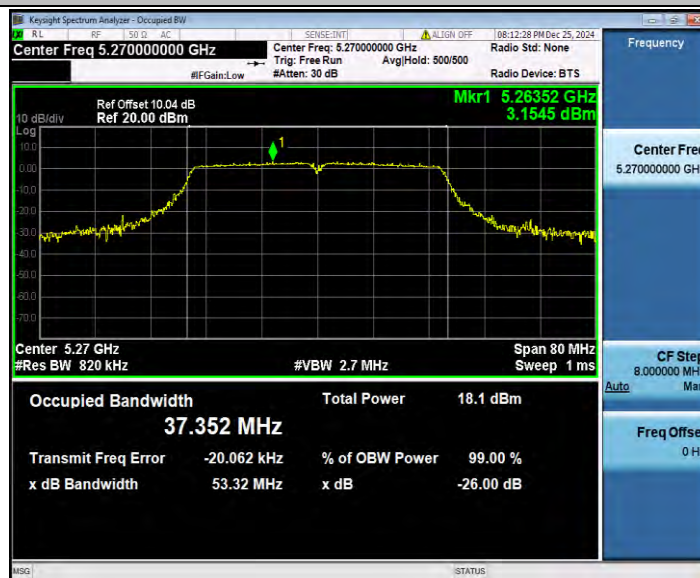
11AC20SISO_Ant1_5280



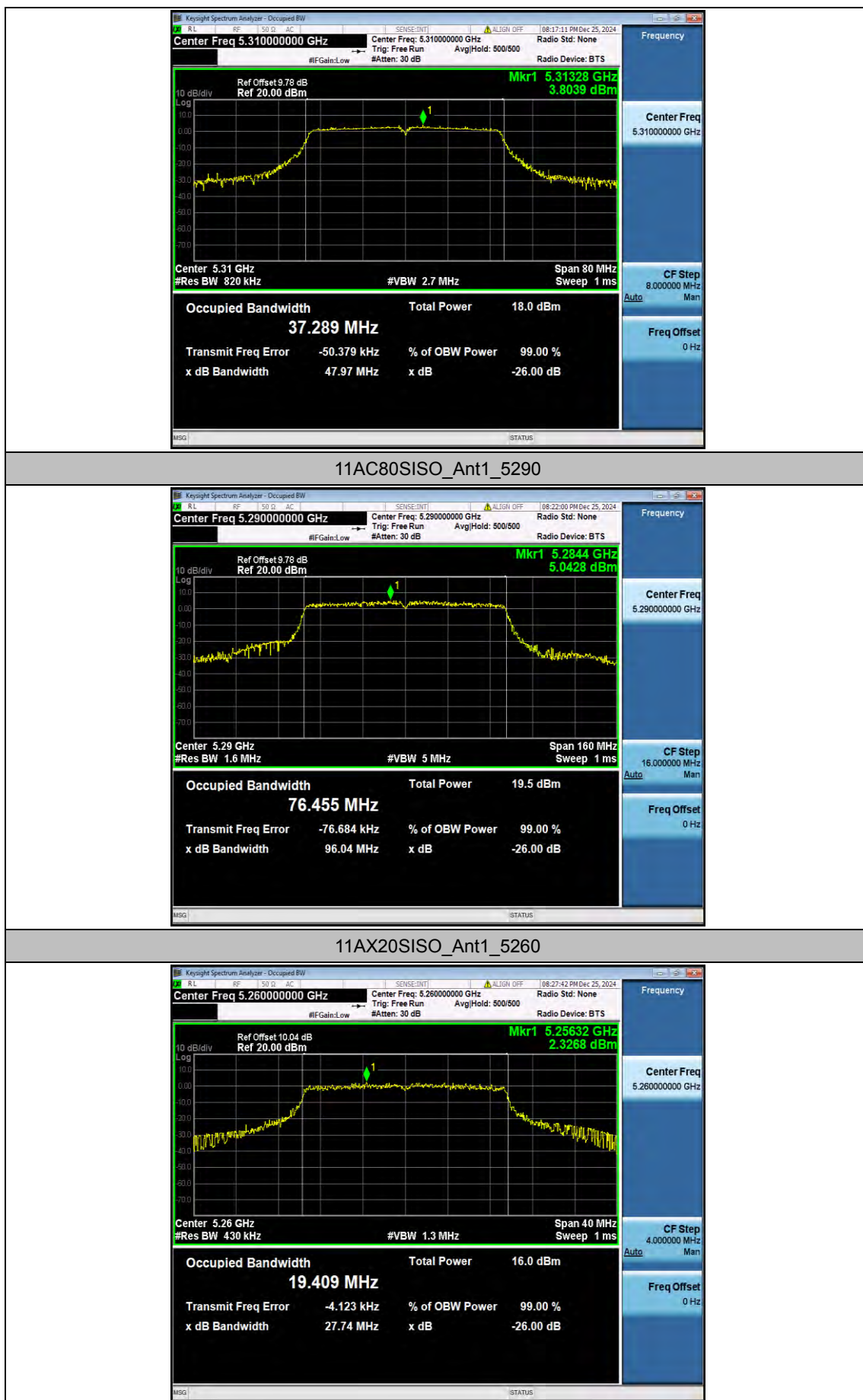
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



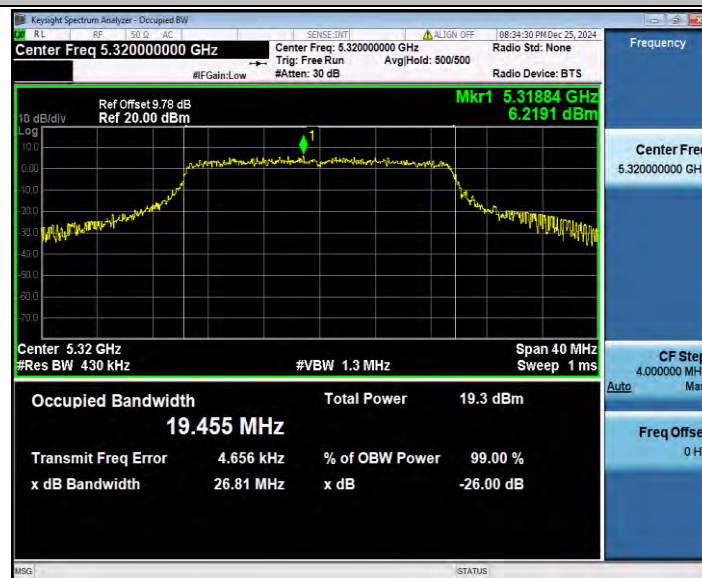
11AC40SISO_Ant1_5310



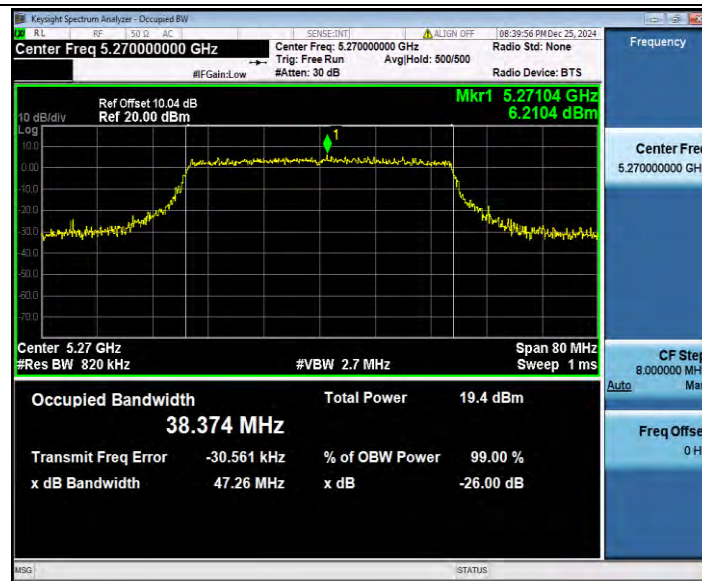
11AX20SISO_Ant1_5280



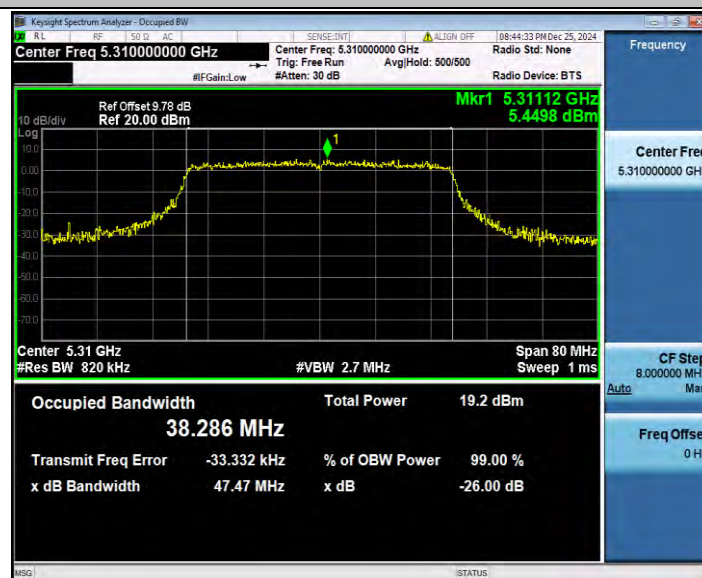
11AX20SISO_Ant1_5320



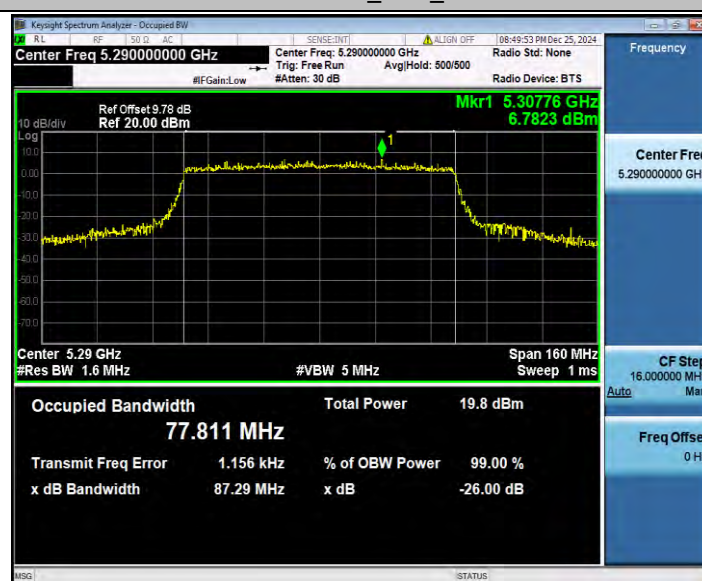
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

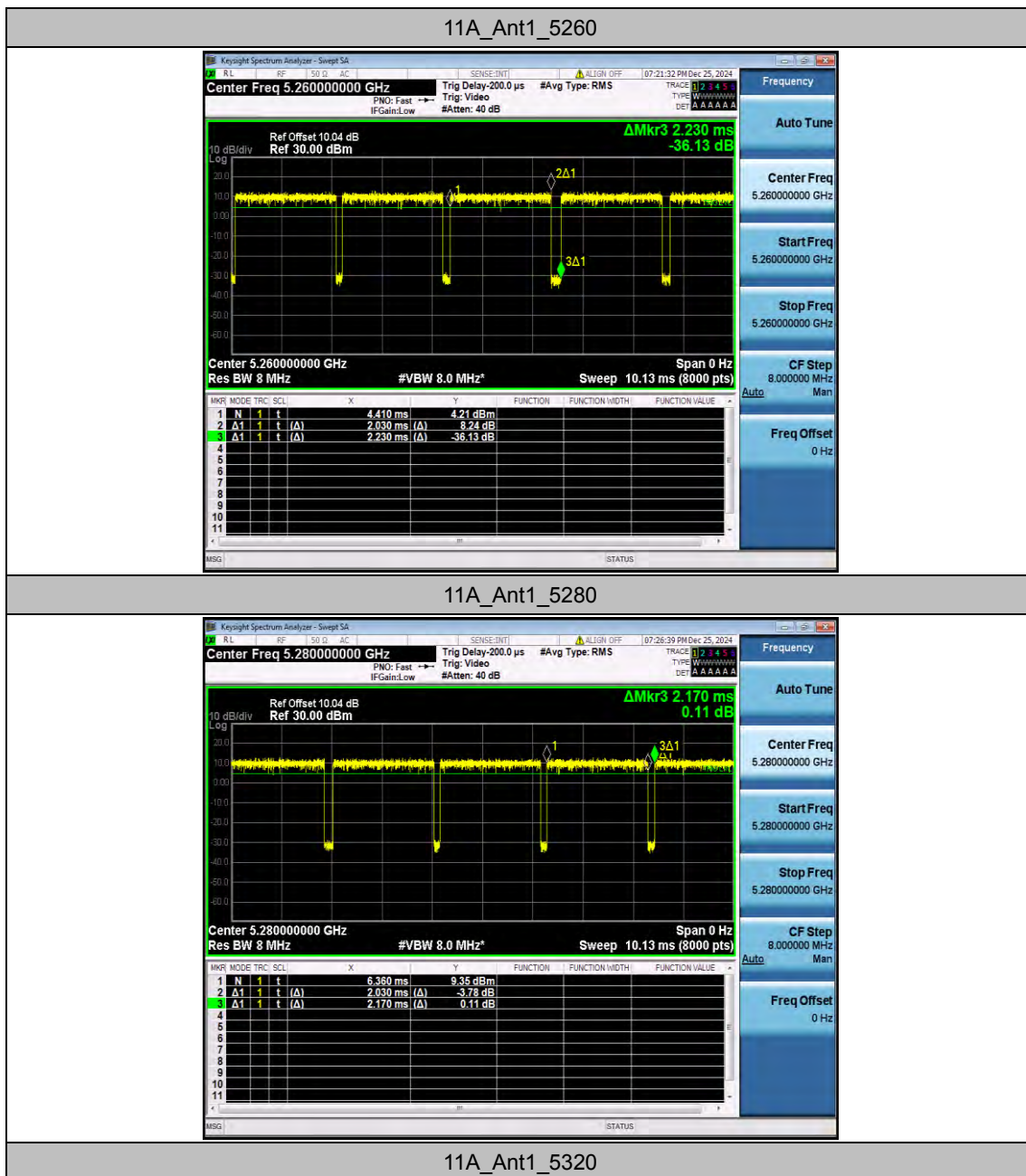


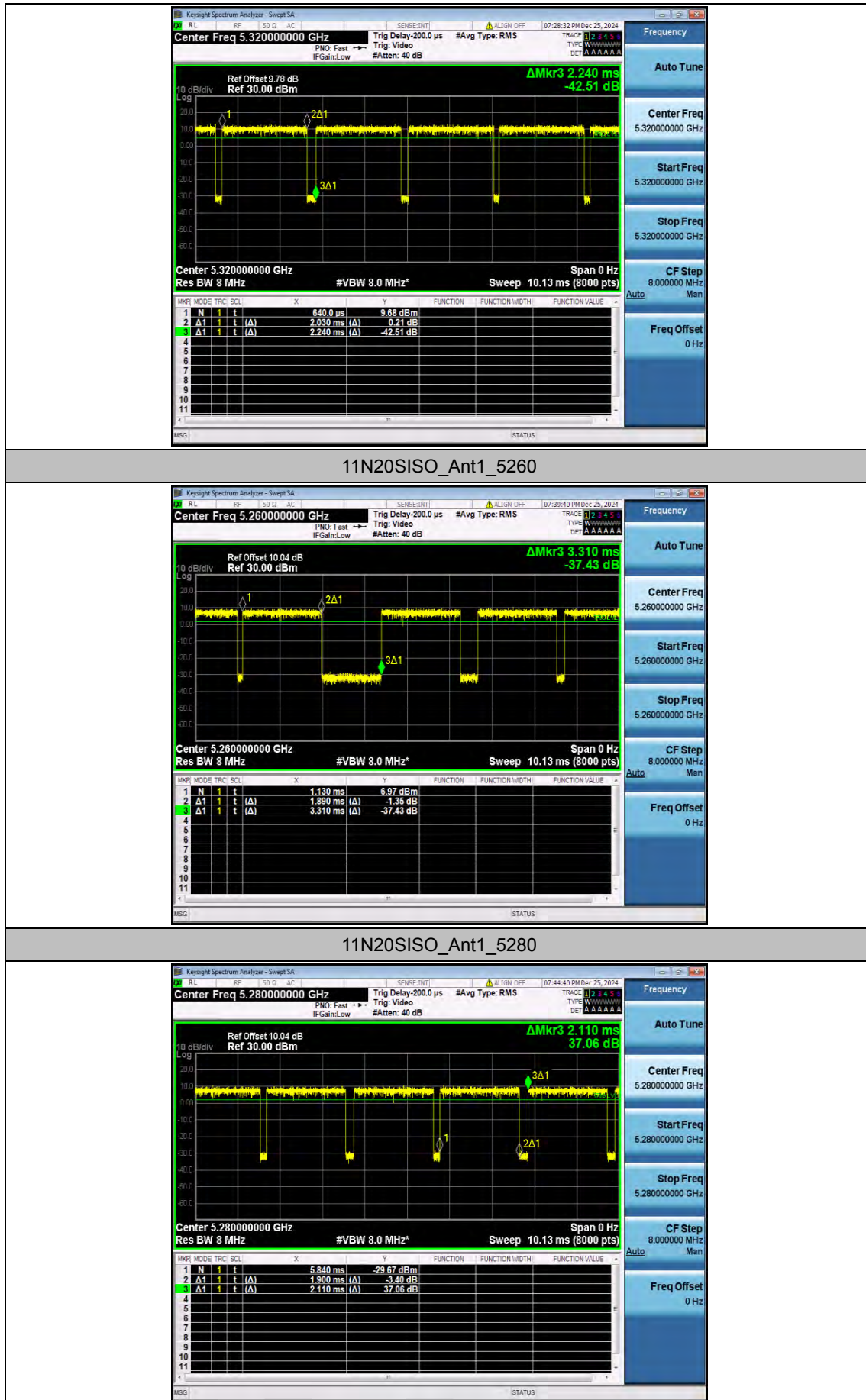
Appendix E.3: Duty Cycle

Test Result

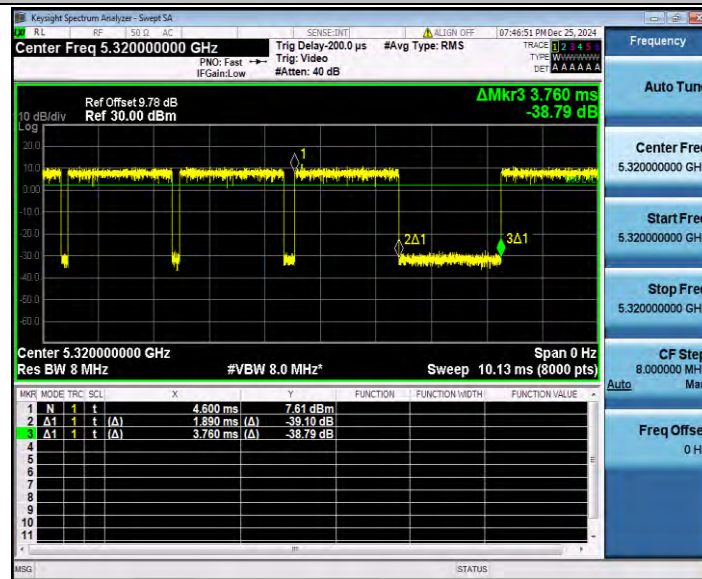
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	2.03	2.23	91.03	0.41	0.49
		5280	2.03	2.17	93.55	0.29	0.49
		5320	2.03	2.24	90.63	0.43	0.49
11N20SISO	Ant1	5260	1.89	3.31	57.10	2.43	0.53
		5280	1.90	2.11	90.05	0.46	0.53
		5320	1.89	3.76	50.27	2.99	0.53
11N40SISO	Ant1	5270	0.93	1.14	81.58	0.88	1.08
		5310	0.94	1.17	80.34	0.95	1.06
11AC20SISO	Ant1	5260	1.90	2.14	88.79	0.52	0.53
		5280	1.90	2.07	91.79	0.37	0.53
		5320	1.90	2.07	91.79	0.37	0.53
11AC40SISO	Ant1	5270	0.93	1.47	63.27	1.99	1.08
		5310	0.94	1.11	84.68	0.72	1.06
11AC80SISO	Ant1	5290	0.46	0.91	50.55	2.96	2.17
11AX20SISO	Ant1	5260	1.46	1.68	86.90	0.61	0.68
		5280	1.46	1.66	87.95	0.56	0.68
		5320	1.46	1.67	87.43	0.58	0.68
11AX40SISO	Ant1	5270	0.76	0.93	81.72	0.88	1.32
		5310	0.76	0.98	77.55	1.10	1.32
11AX80SISO	Ant1	5290	0.39	0.61	63.93	1.94	2.56

Test Graphs

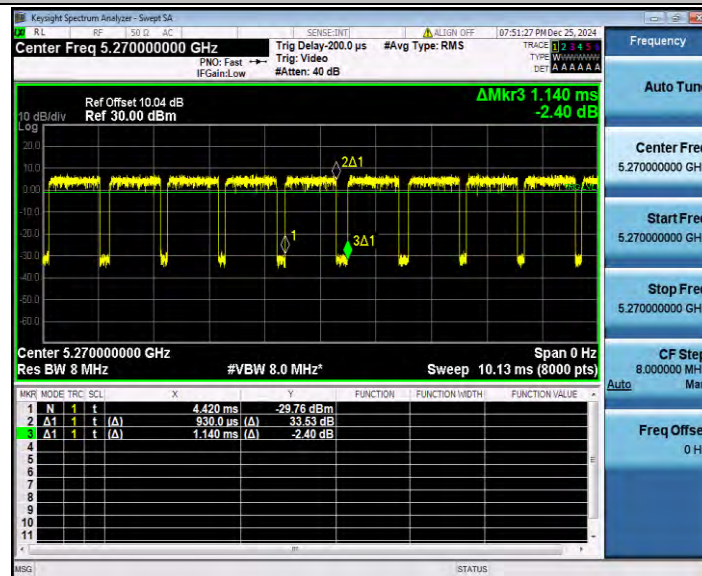




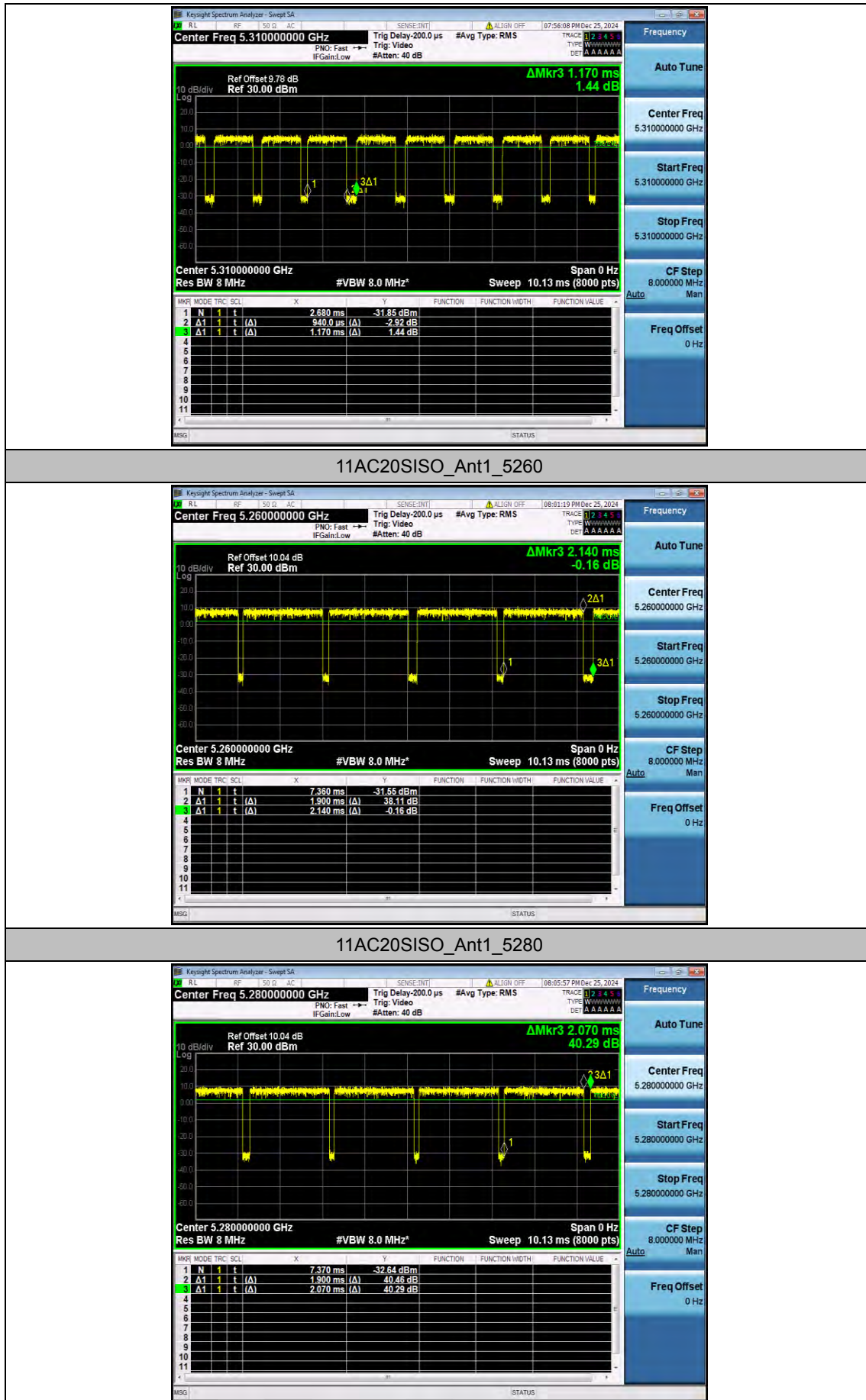
11N20SISO_Ant1_5320



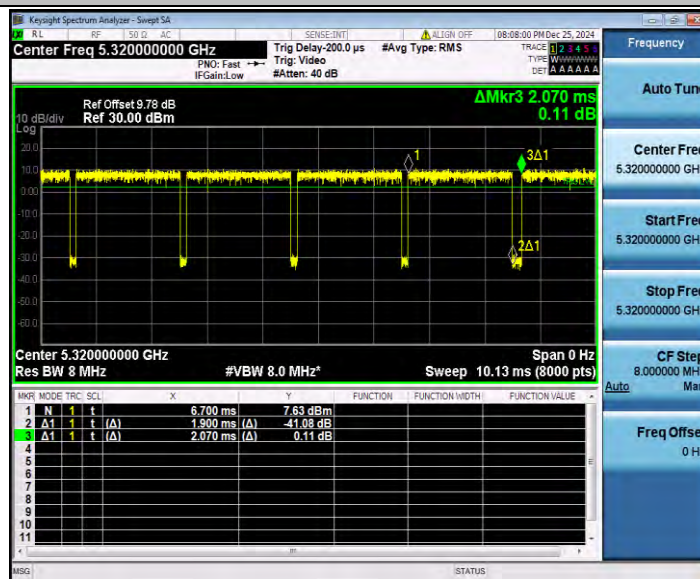
11N40SISO_Ant1_5270



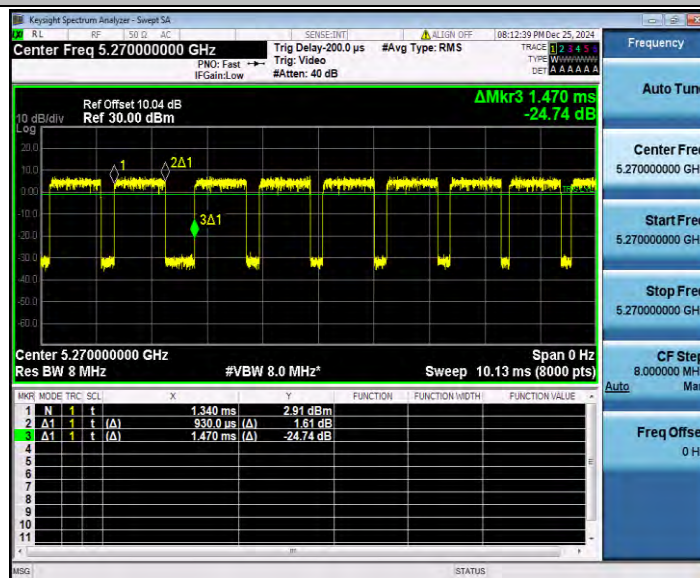
11N40SISO_Ant1_5310



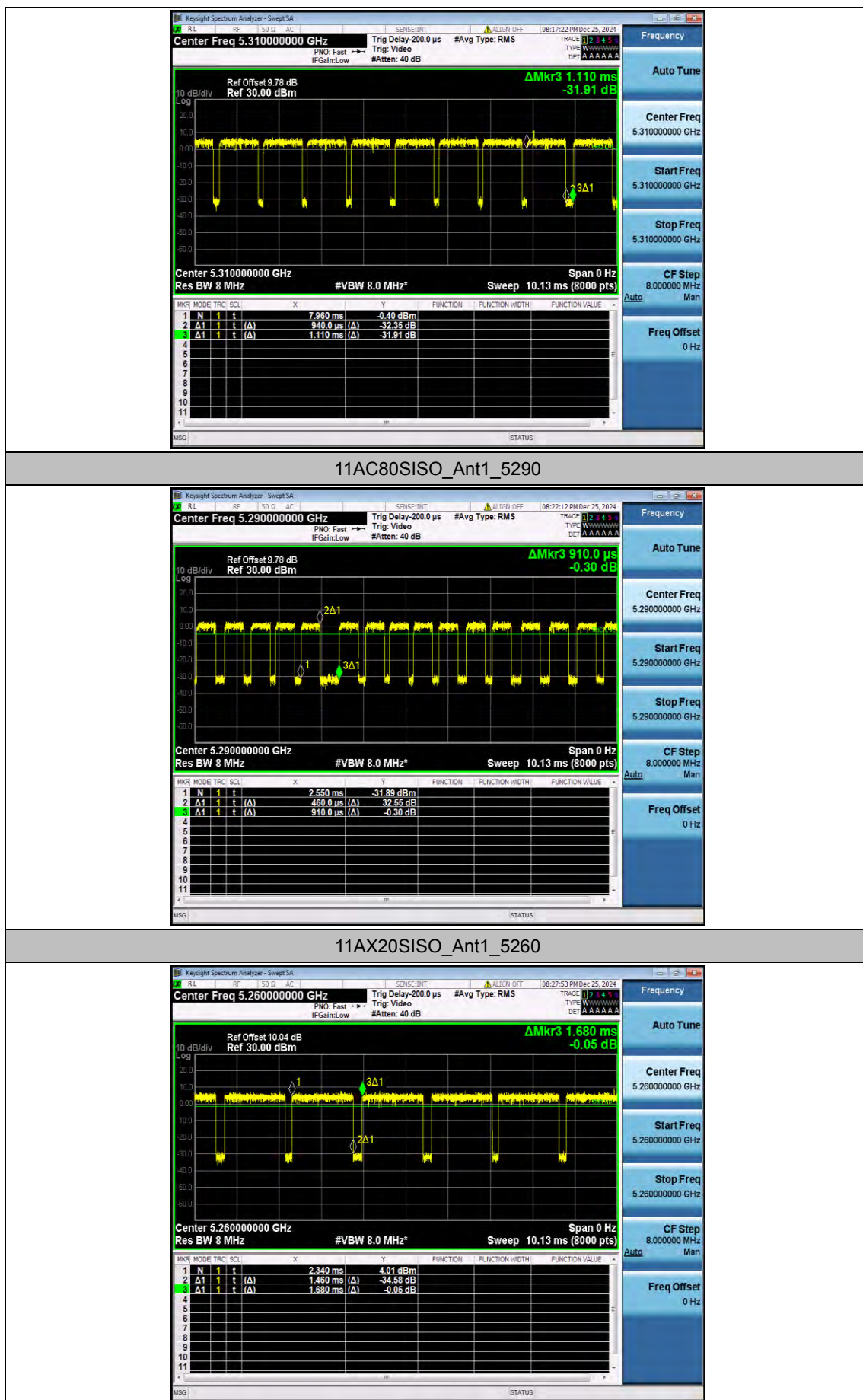
11AC20SISO_Ant1_5320



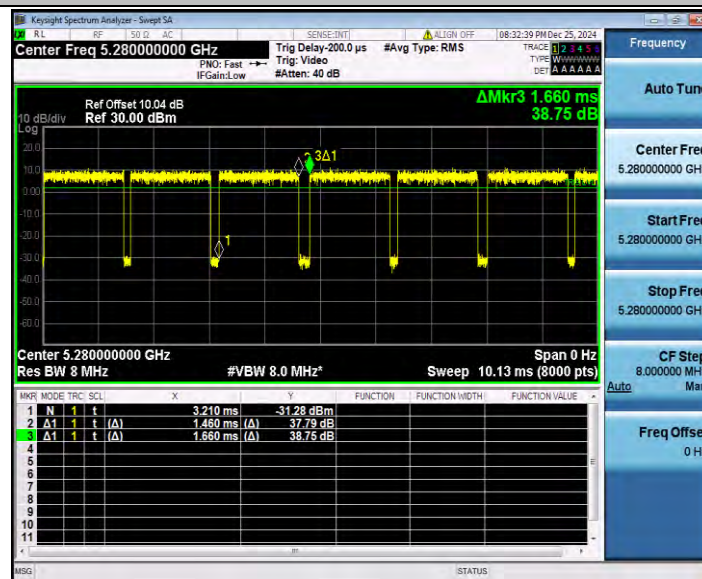
11AC40SISO_Ant1_5270



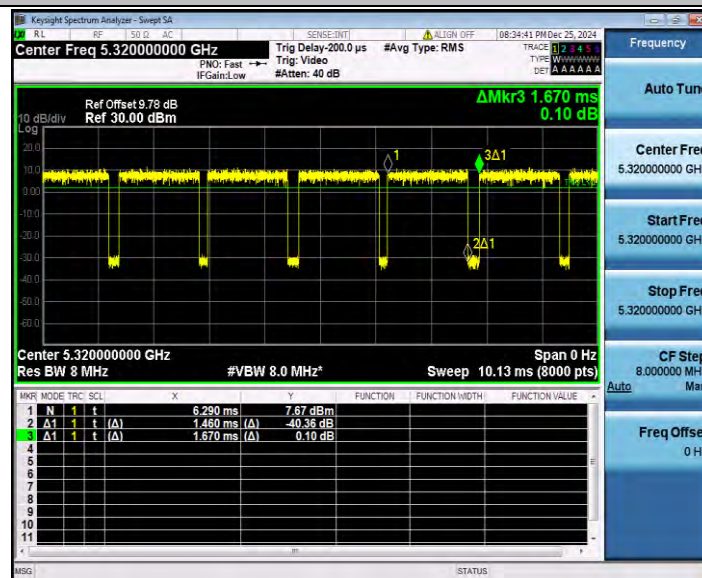
11AC40SISO_Ant1_5310



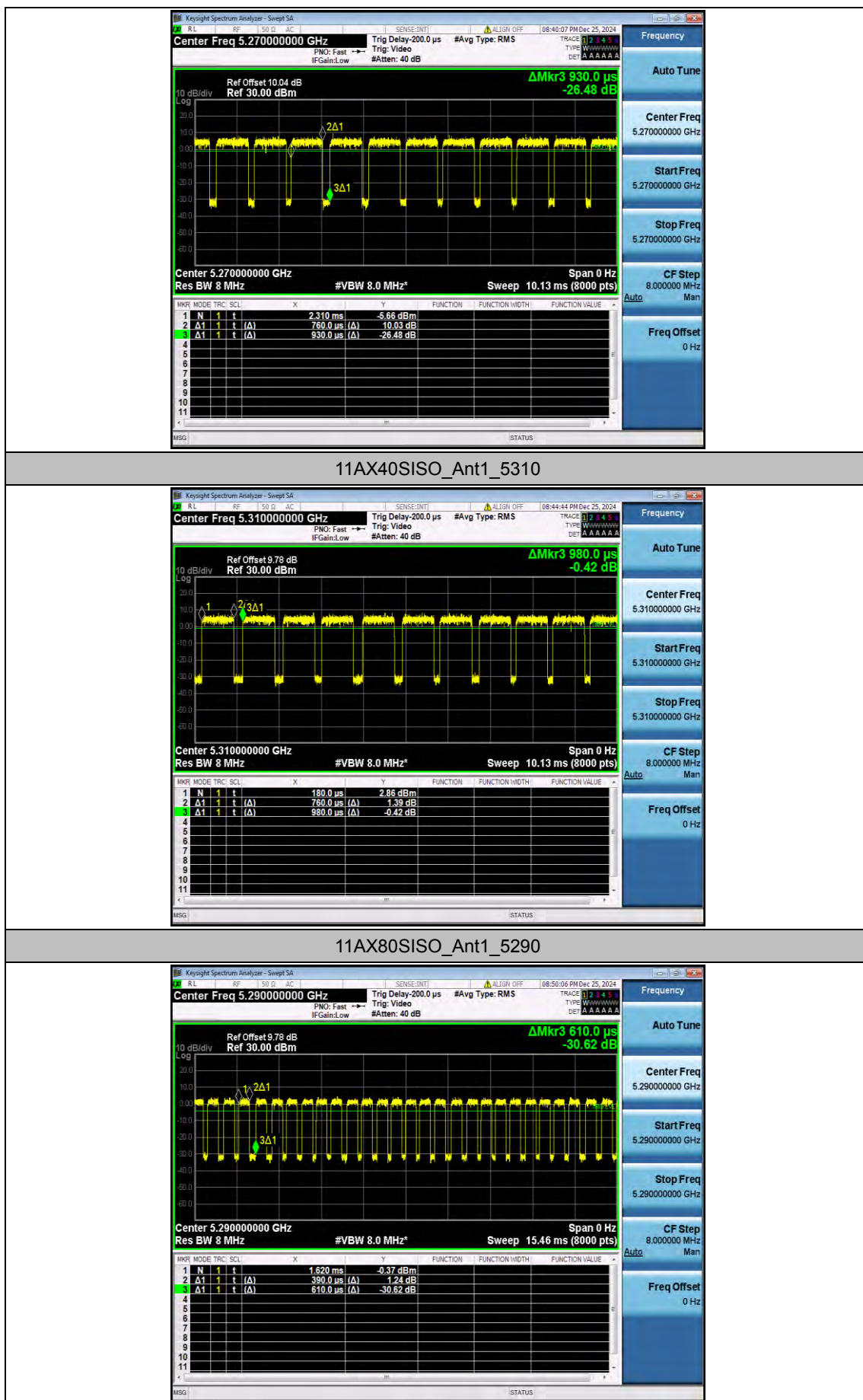
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



Appendix E.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	5260	12.38	91.03	0.41	12.79	≤23.98	PASS
		5280	12.45	93.55	0.29	12.74	≤23.98	PASS
		5320	12.66	90.63	0.43	13.09	≤23.98	PASS
11N20SISO	Ant1	5260	9.96	57.10	2.43	12.39	≤23.98	PASS
		5280	10.23	90.05	0.46	10.69	≤23.98	PASS
		5320	10.54	50.27	2.99	13.53	≤23.98	PASS
11N40SISO	Ant1	5270	9.97	81.58	0.88	10.85	≤23.98	PASS
		5310	9.91	80.34	0.95	10.86	≤23.98	PASS
11AC20SISO	Ant1	5260	10.40	88.79	0.52	10.92	≤23.98	PASS
		5280	10.49	91.79	0.37	10.86	≤23.98	PASS
		5320	10.62	91.79	0.37	10.99	≤23.98	PASS
11AC40SISO	Ant1	5270	9.65	63.27	1.99	11.64	≤23.98	PASS
		5310	10.05	84.68	0.72	10.77	≤23.98	PASS
11AC80SISO	Ant1	5290	8.96	50.55	2.96	11.92	≤23.98	PASS
11AX20SISO	Ant1	5260	6.93	86.90	0.61	7.54	≤23.98	PASS
		5280	10.26	87.95	0.56	10.82	≤23.98	PASS
		5320	10.46	87.43	0.58	11.04	≤23.98	PASS
11AX40SISO	Ant1	5270	9.95	81.72	0.88	10.83	≤23.98	PASS
		5310	9.77	77.55	1.10	10.87	≤23.98	PASS
11AX80SISO	Ant1	5290	9.19	63.93	1.94	11.13	≤23.98	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	1.76	≤11.00	PASS
		5280	1.78	≤11.00	PASS
		5320	2.14	≤11.00	PASS
11N20SISO	Ant1	5260	1.14	≤11.00	PASS
		5280	-0.25	≤11.00	PASS
		5320	2.37	≤11.00	PASS
11N40SISO	Ant1	5270	-3.16	≤11.00	PASS
		5310	-3.23	≤11.00	PASS
11AC20SISO	Ant1	5260	-0.36	≤11.00	PASS
		5280	-0.47	≤11.00	PASS
		5320	-0.23	≤11.00	PASS
11AC40SISO	Ant1	5270	-2.03	≤11.00	PASS
		5310	-3.36	≤11.00	PASS
11AC80SISO	Ant1	5290	-5.20	≤11.00	PASS
11AX20SISO	Ant1	5260	-0.48	≤11.00	PASS
		5280	-0.65	≤11.00	PASS
		5320	-0.32	≤11.00	PASS
11AX40SISO	Ant1	5270	-3.71	≤11.00	PASS
		5310	-3.52	≤11.00	PASS
11AX80SISO	Ant1	5290	-6.21	≤11.00	PASS

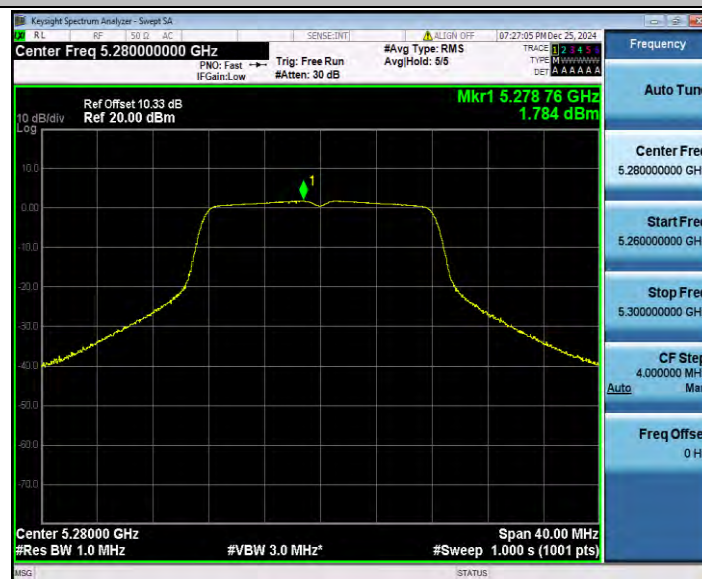
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

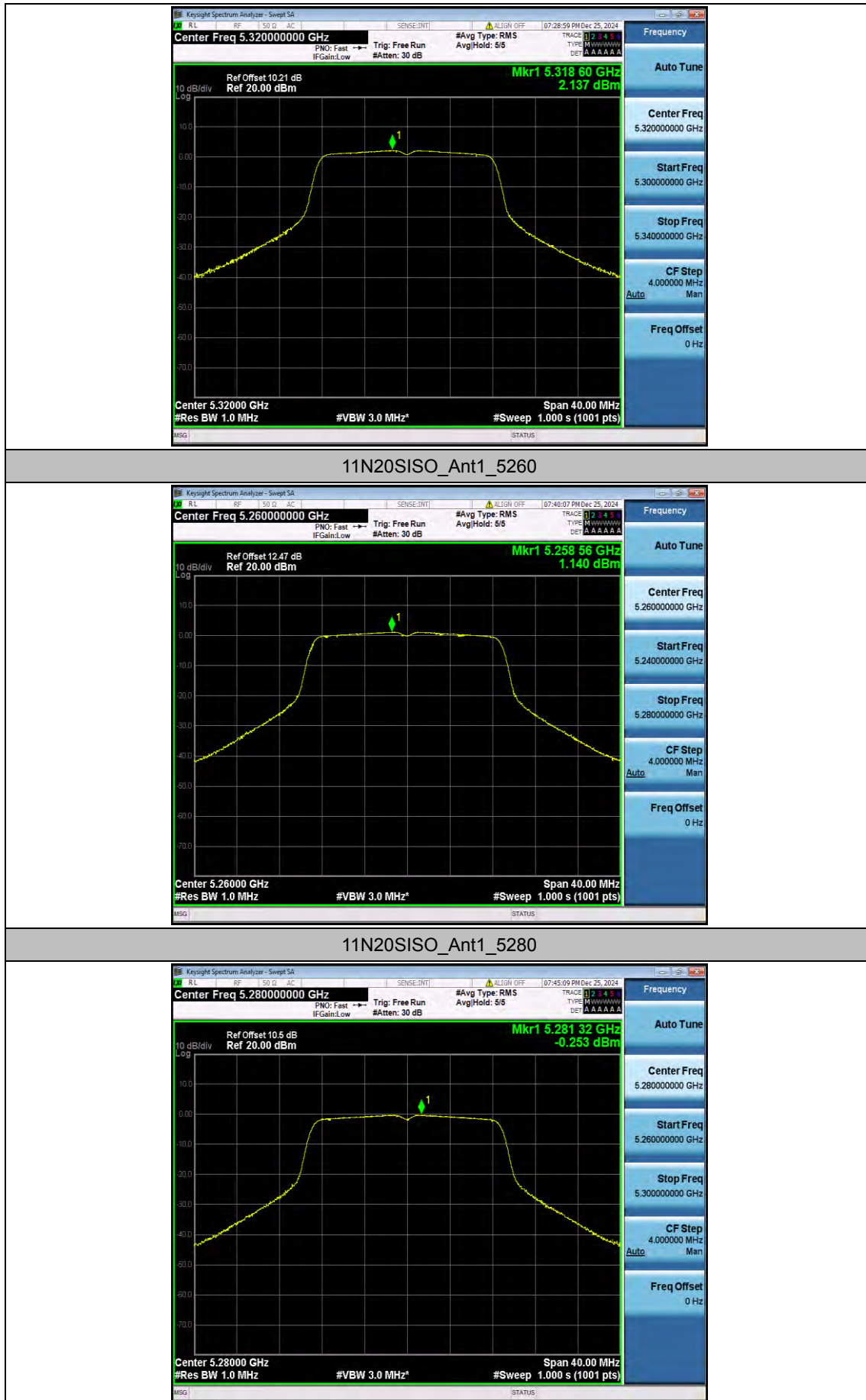
11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



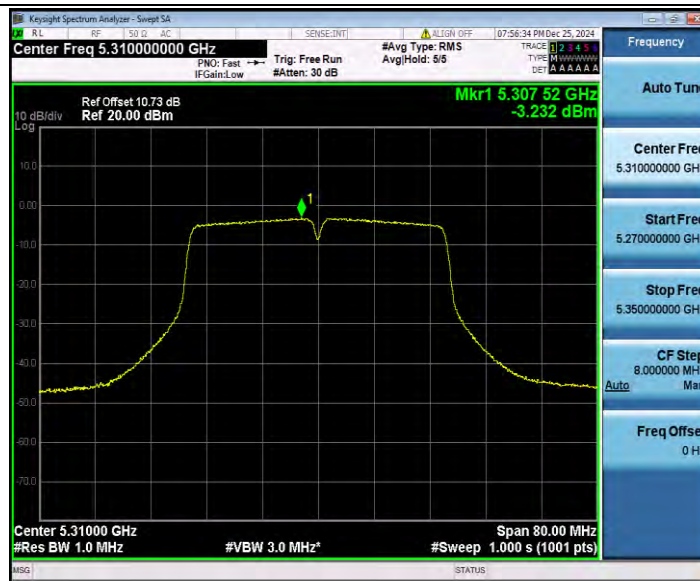
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



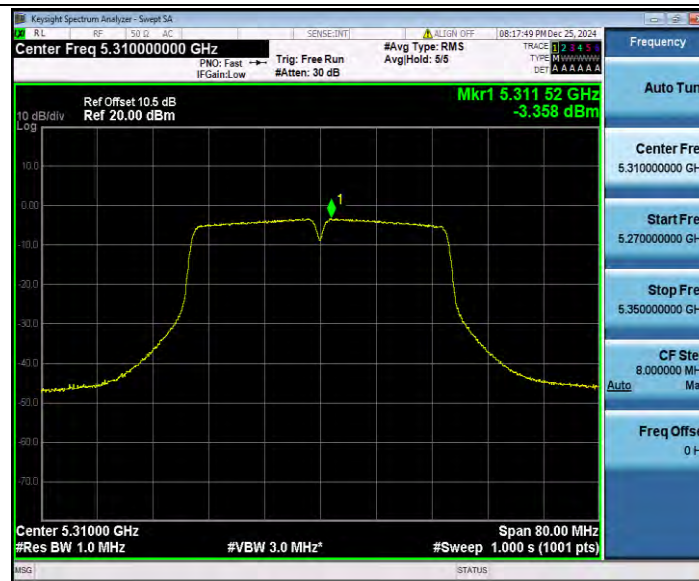
11AC20SISO_Ant1_5320



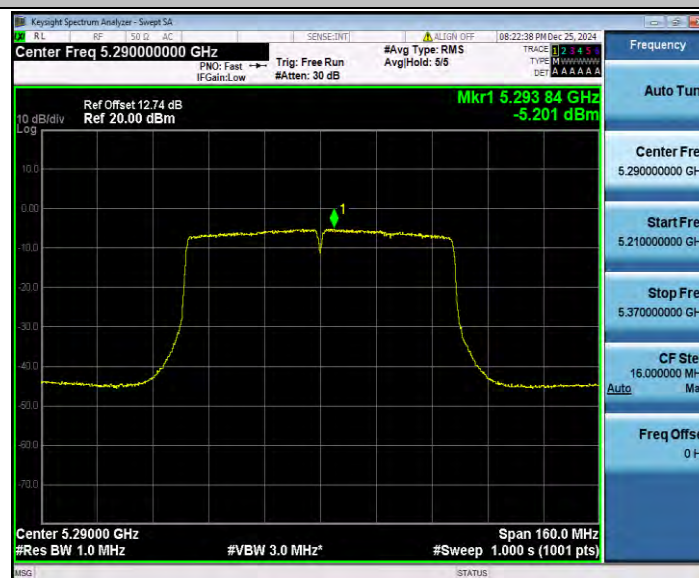
11AC40SISO_Ant1_5270



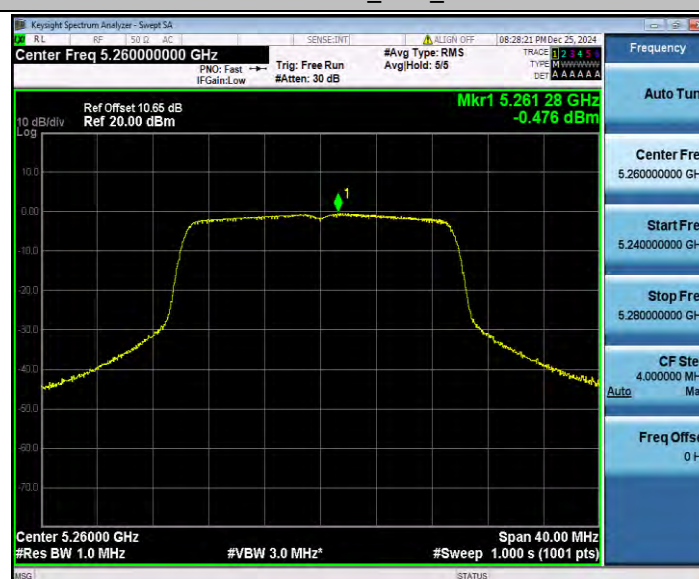
11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270

