

Case No. : <u>GTS20241101002-1-04</u>	
Ambient Condition: <u>22</u> °C, <u>49</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.12.12</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	25.480	5247.000	5272.480	---	---
		5280	24.840	5267.440	5292.280	---	---
		5320	24.160	5307.680	5331.840	---	---
11N20SISO	Ant1	5260	25.960	5246.680	5272.640	---	---
		5280	25.920	5266.800	5292.720	---	---
		5320	25.320	5307.000	5332.320	---	---
11N40SISO	Ant1	5270	46.160	5246.480	5292.640	---	---
		5310	46.080	5287.040	5333.120	---	---
11AC20SISO	Ant1	5260	25.320	5247.160	5272.480	---	---
		5280	25.760	5267.040	5292.800	---	---
		5320	25.160	5307.320	5332.480	---	---
11AC40SISO	Ant1	5270	45.920	5246.880	5292.800	---	---
		5310	46.400	5286.320	5332.720	---	---
11AC80SISO	Ant1	5290	96.960	5237.360	5334.320	---	---
11AX20SISO	Ant1	5260	25.960	5246.600	5272.560	---	---
		5280	25.240	5267.040	5292.280	---	---
		5320	24.080	5307.960	5332.040	---	---
11AX40SISO	Ant1	5270	45.360	5247.200	5292.560	---	---
		5310	44.800	5287.600	5332.400	---	---
11AX80SISO	Ant1	5290	85.760	5246.640	5332.400	---	---

Test Graphs





11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



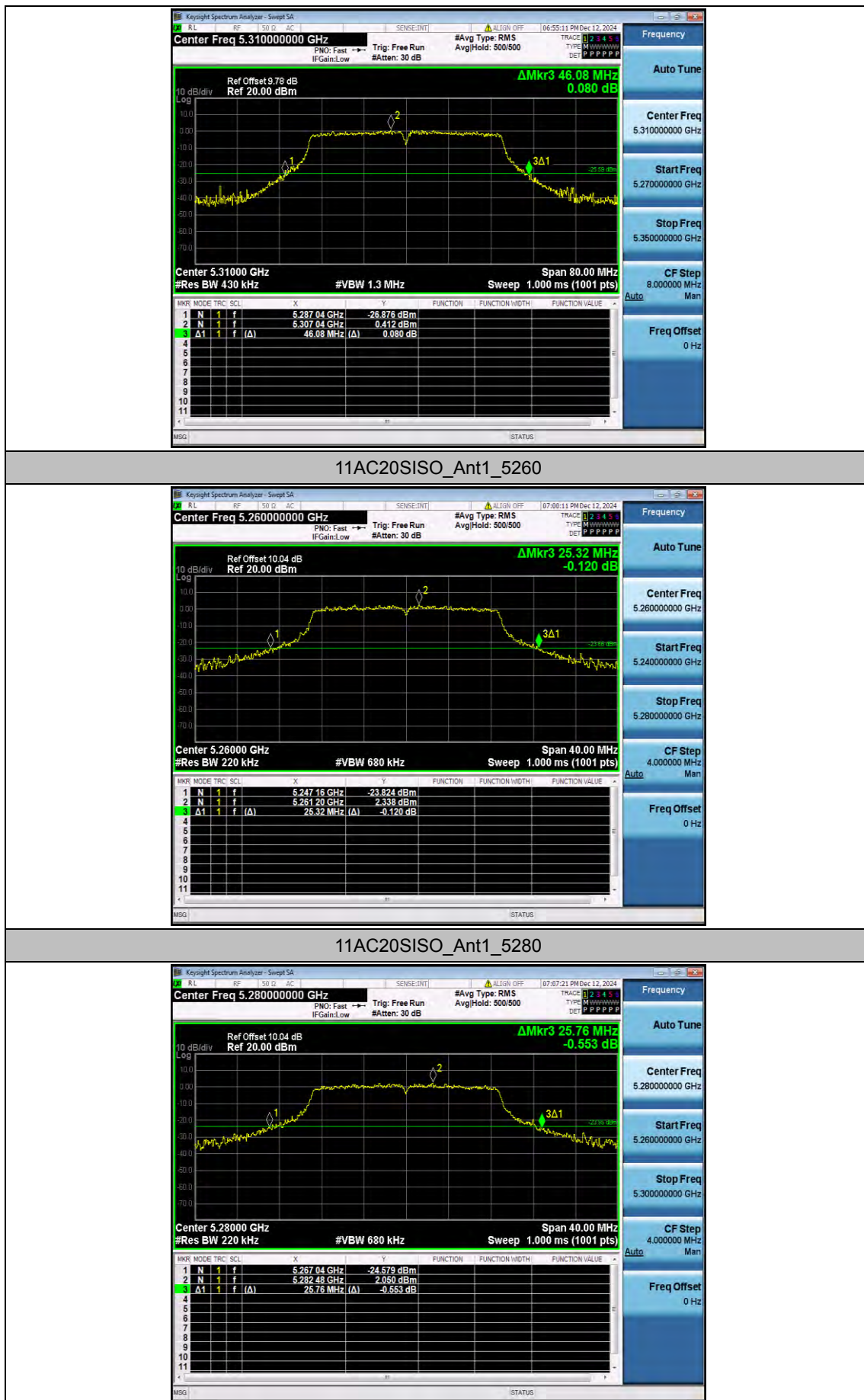
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



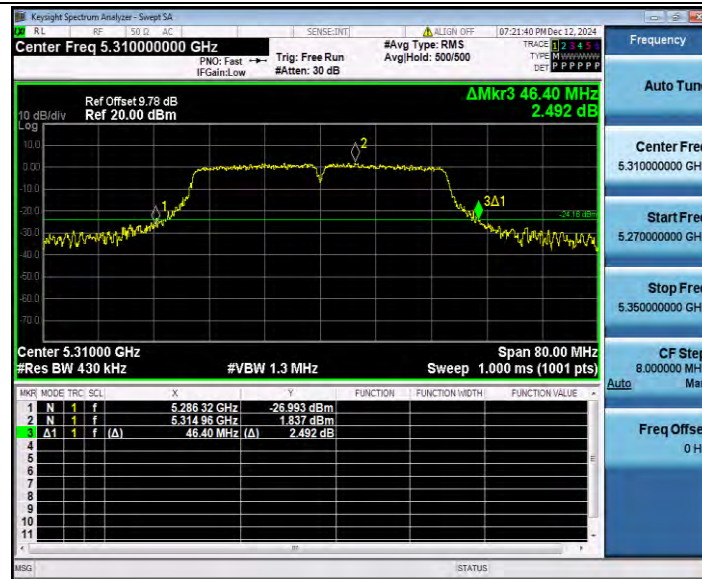
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

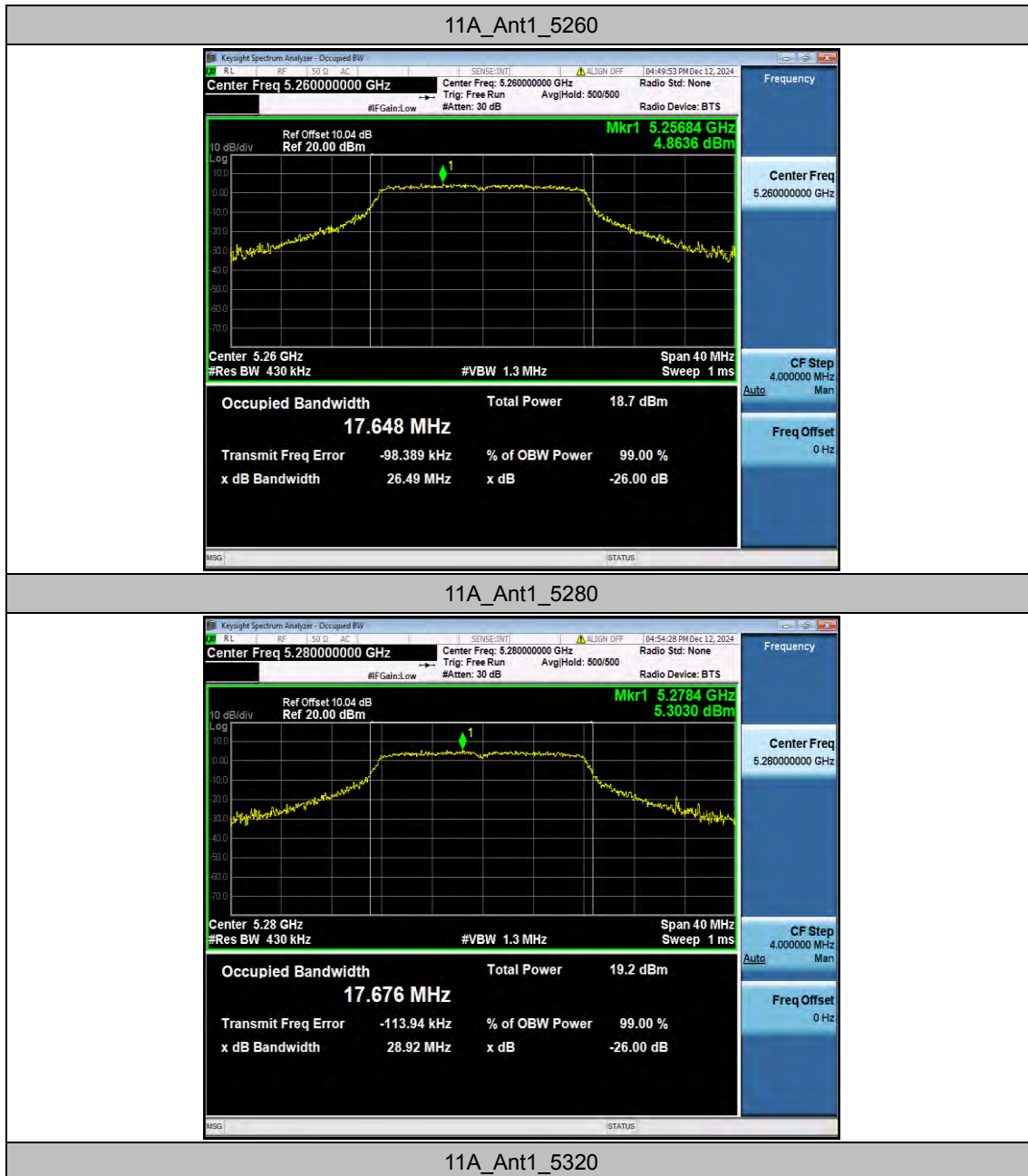


Appendix E.2: Occupied channel bandwidth

Test Result

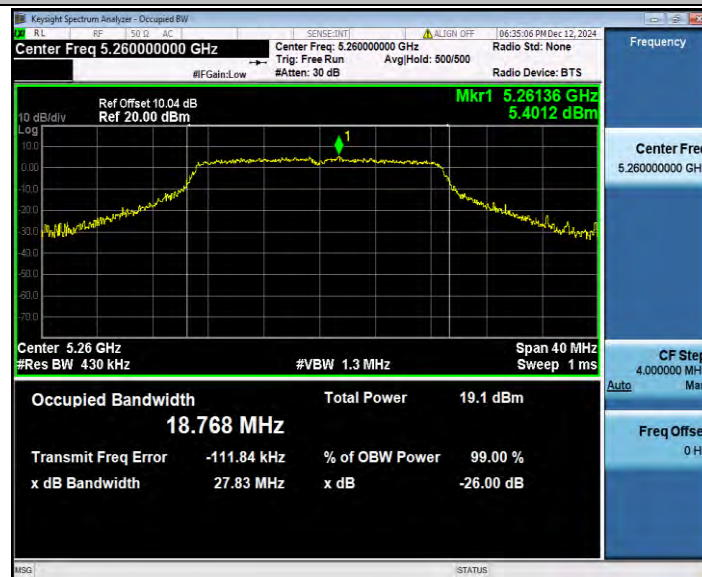
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.648	5251.0776	5268.7256	---	---
		5280	17.676	5271.0481	5288.7241	---	---
		5320	17.590	5311.0951	5328.6851	---	---
11N20SISO	Ant1	5260	18.768	5250.5042	5269.2722	---	---
		5280	18.822	5270.5626	5289.3846	---	---
		5320	18.691	5310.6063	5329.2973	---	---
11N40SISO	Ant1	5270	37.207	5251.3792	5288.5862	---	---
		5310	37.077	5291.4502	5328.5272	---	---
11AC20SISO	Ant1	5260	18.694	5250.6104	5269.3044	---	---
		5280	18.794	5270.5748	5289.3688	---	---
		5320	18.732	5310.5795	5329.3115	---	---
11AC40SISO	Ant1	5270	37.238	5251.3724	5288.6104	---	---
		5310	37.237	5291.3043	5328.5413	---	---
11AC80SISO	Ant1	5290	76.387	5251.6902	5328.0772	---	---
11AX20SISO	Ant1	5260	19.557	5250.2429	5269.7999	---	---
		5280	19.535	5270.1805	5289.7155	---	---
		5320	19.453	5310.2557	5329.7087	---	---
11AX40SISO	Ant1	5270	38.309	5250.7977	5289.1067	---	---
		5310	38.307	5290.7763	5329.0833	---	---
11AX80SISO	Ant1	5290	77.728	5251.0905	5328.8185	---	---

Test Graphs





11N20SISO_Ant1_5260



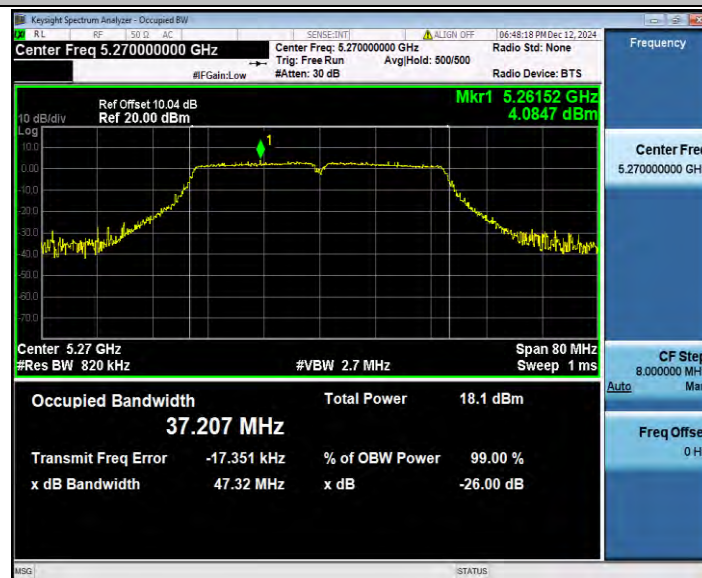
11N20SISO_Ant1_5280



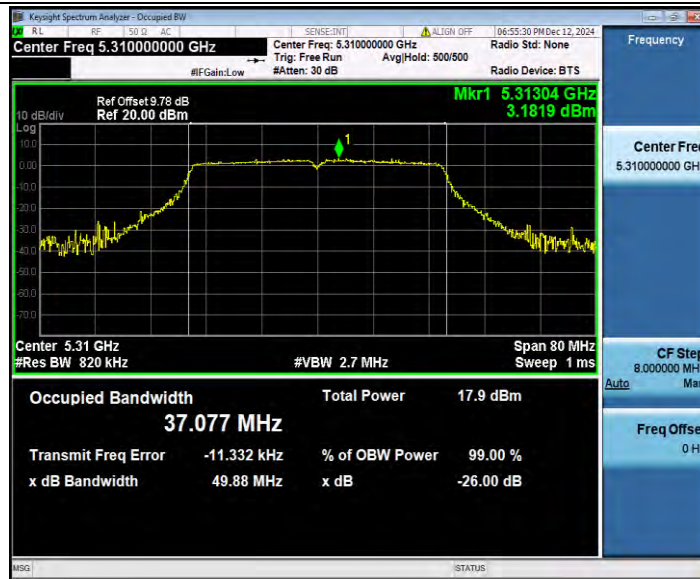
11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



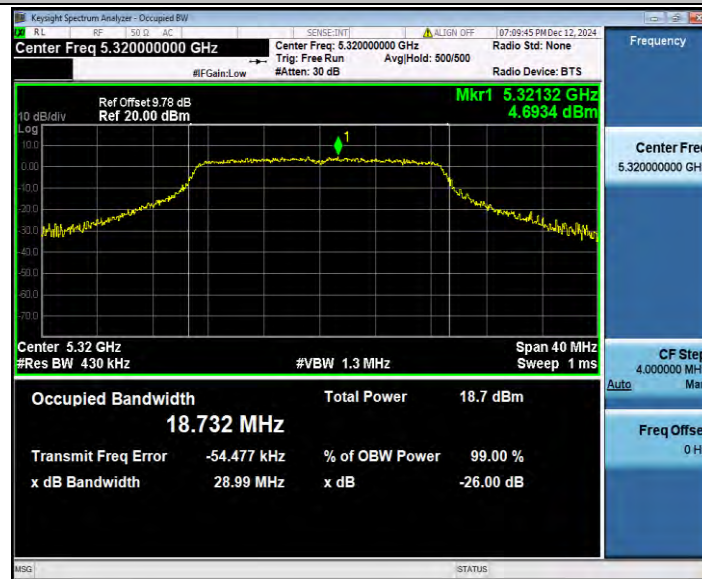
11AC20SISO_Ant1_5260



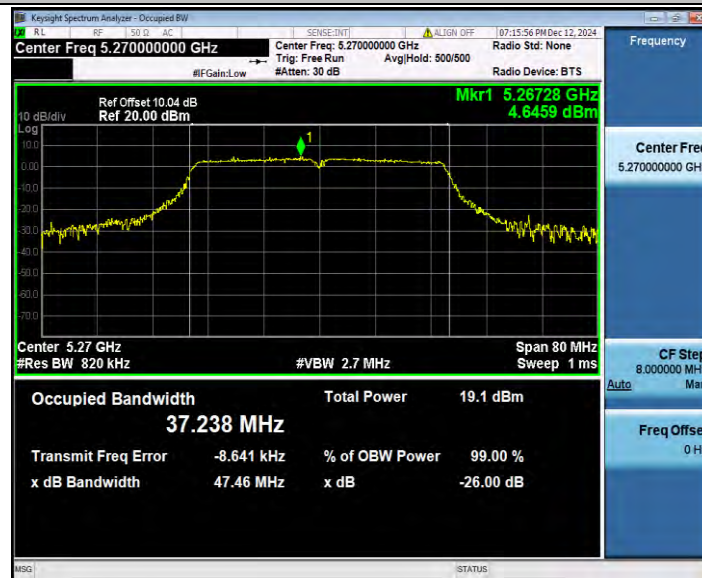
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



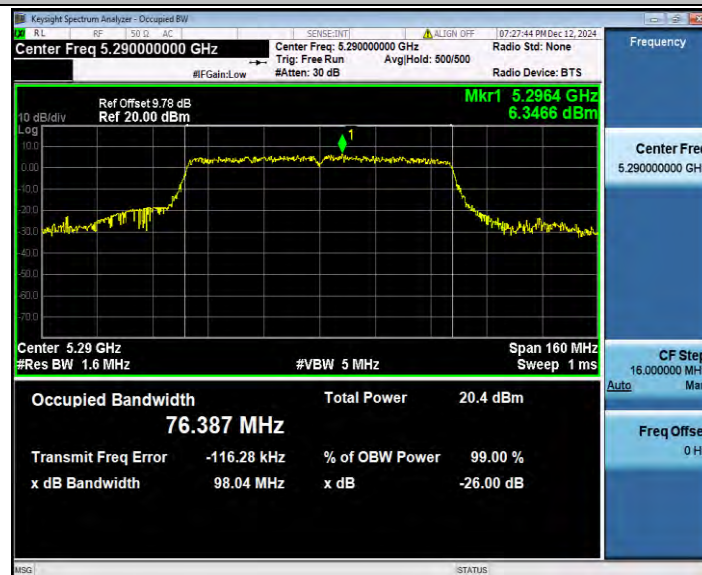
11AC40SISO_Ant1_5270



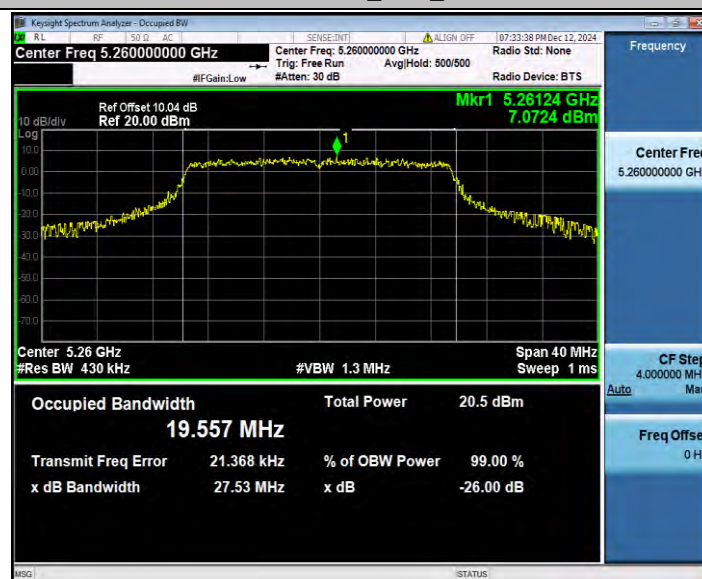
11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



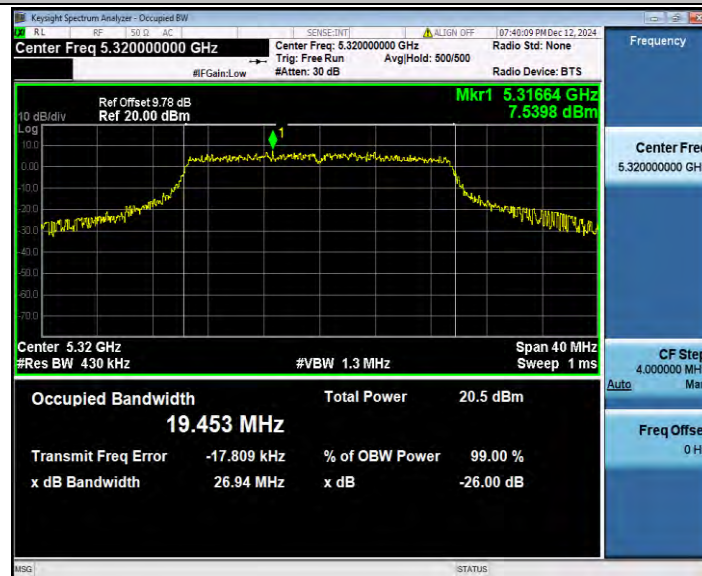
11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



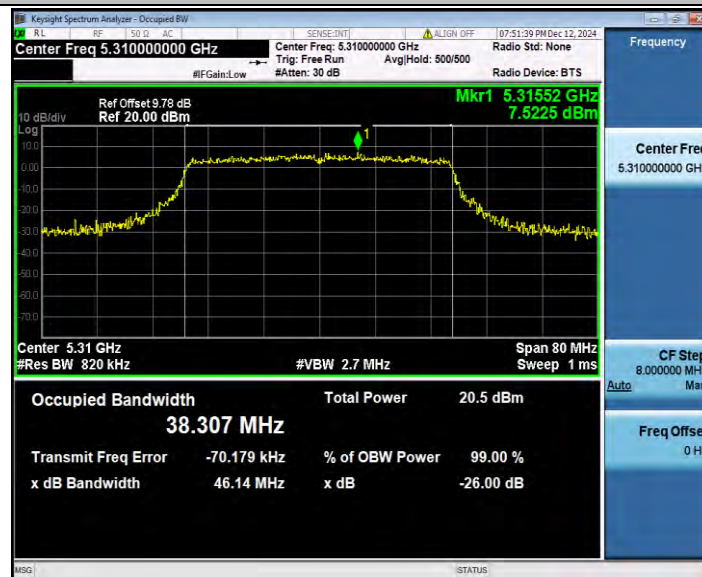
11AX20SISO_Ant1_5320



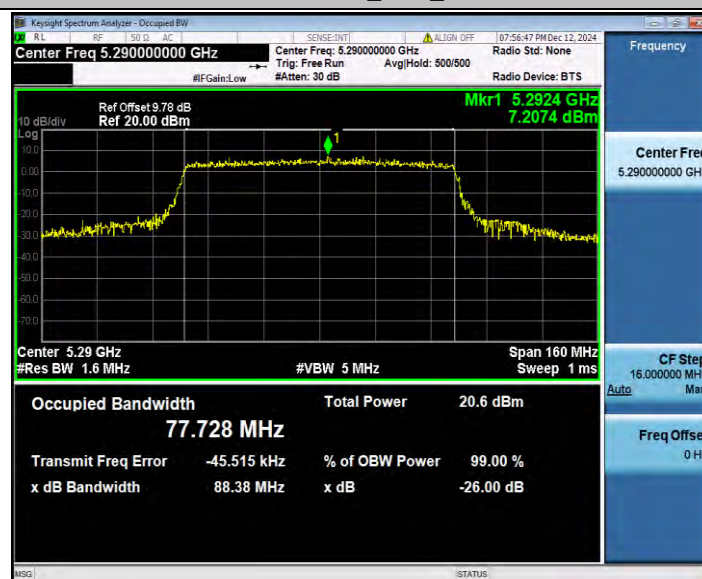
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

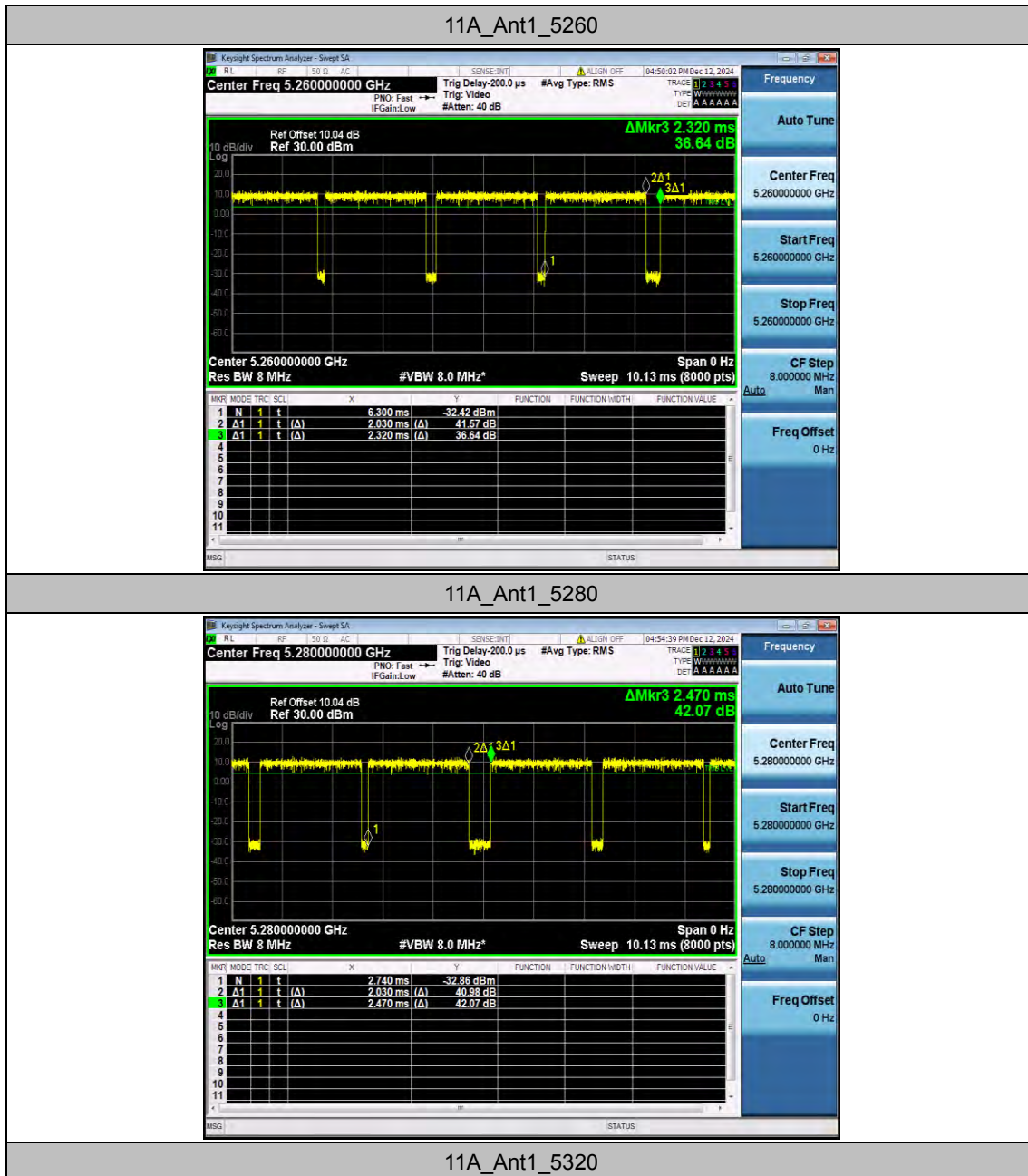


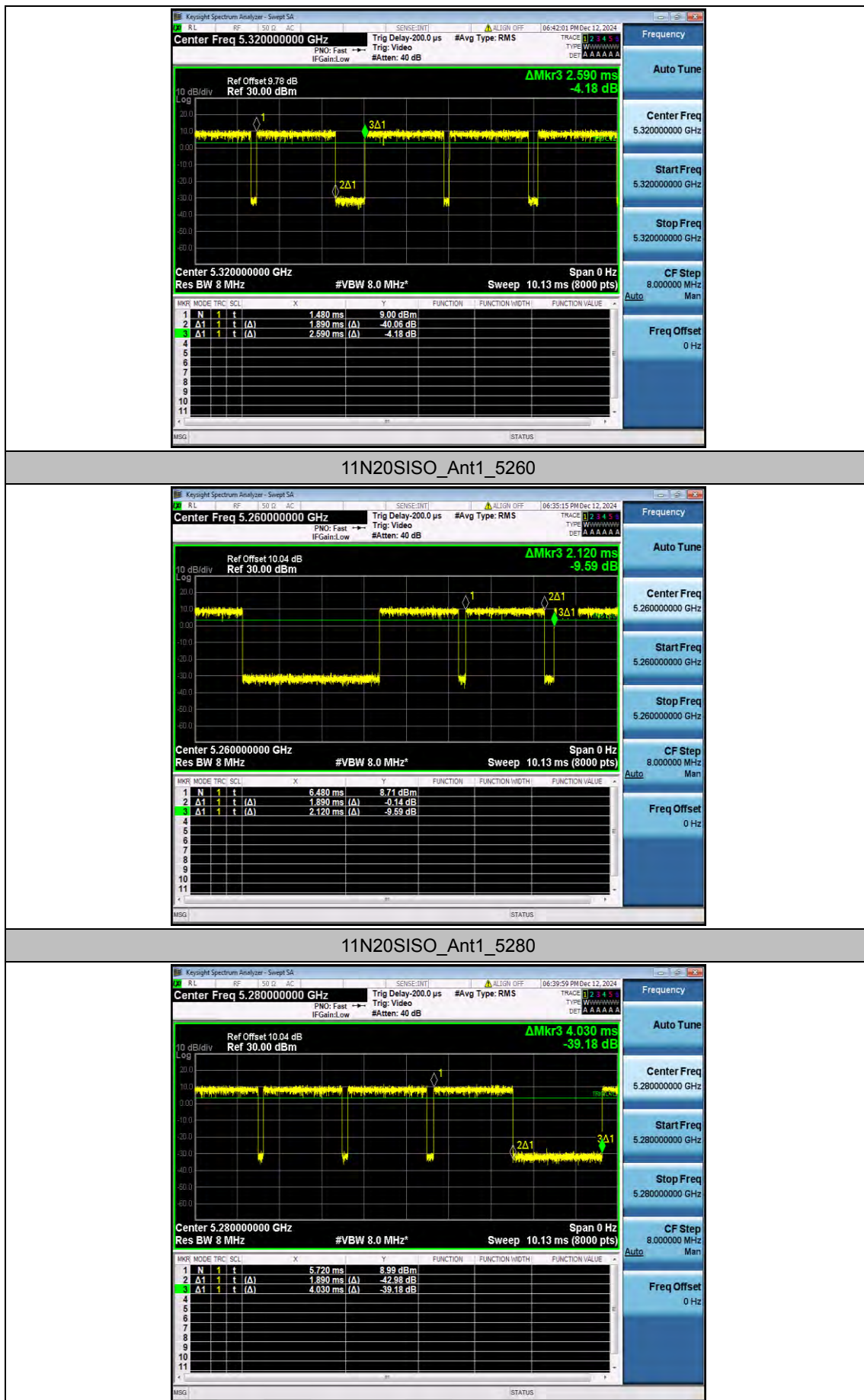
Appendix E.3: Duty Cycle

Test Result

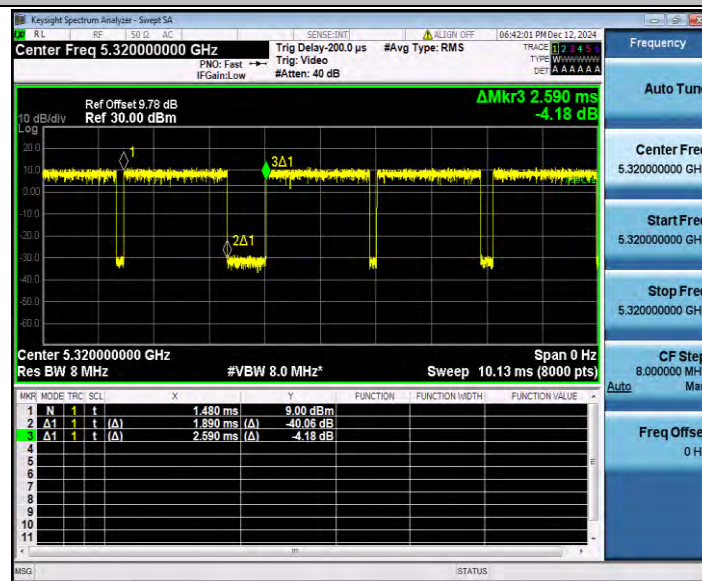
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	2.03	2.32	87.50	0.58	0.49
		5280	2.03	2.47	82.19	0.85	0.49
		5320	1.89	2.59	72.97	1.37	0.53
11N20SISO	Ant1	5260	1.89	2.12	89.15	0.50	0.53
		5280	1.89	4.03	46.90	3.29	0.53
		5320	1.89	2.59	72.97	1.37	0.53
11N40SISO	Ant1	5270	0.93	1.17	79.49	1.00	1.08
		5310	0.93	1.34	69.40	1.59	1.08
11AC20SISO	Ant1	5260	1.90	2.09	90.91	0.41	0.53
		5280	1.90	2.22	85.59	0.68	0.53
		5320	1.90	2.07	91.79	0.37	0.53
11AC40SISO	Ant1	5270	0.94	1.17	80.34	0.95	1.06
		5310	0.93	1.31	70.99	1.49	1.08
11AC80SISO	Ant1	5290	0.45	0.86	52.33	2.81	2.22
11AX20SISO	Ant1	5260	1.46	1.59	91.82	0.37	0.68
		5280	1.46	1.65	88.48	0.53	0.68
		5320	1.46	1.64	89.02	0.51	0.68
11AX40SISO	Ant1	5270	0.76	0.99	76.77	1.15	1.32
		5310	0.76	0.98	77.55	1.10	1.32
11AX80SISO	Ant1	5290	0.40	0.73	54.79	2.61	2.50

Test Graphs

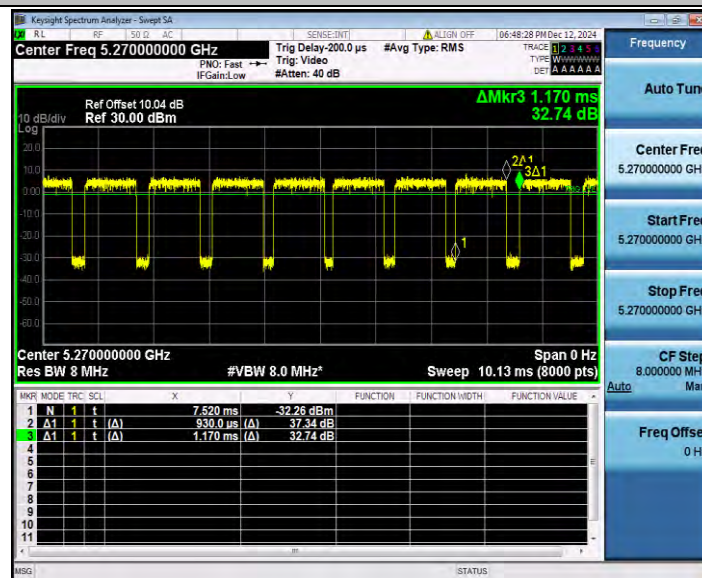




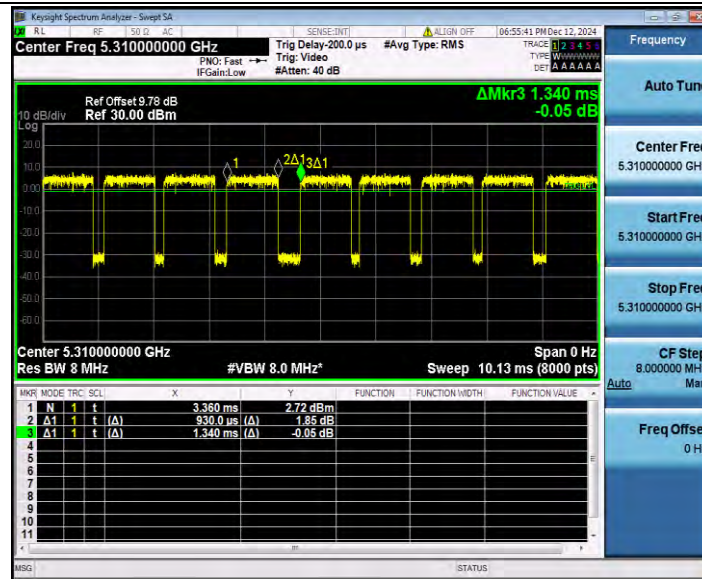
11N20SISO_Ant1_5320



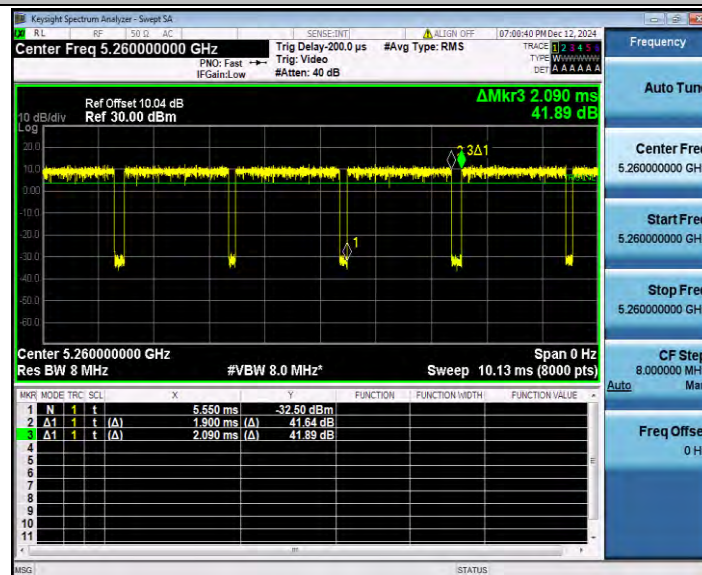
11N40SISO_Ant1_5270



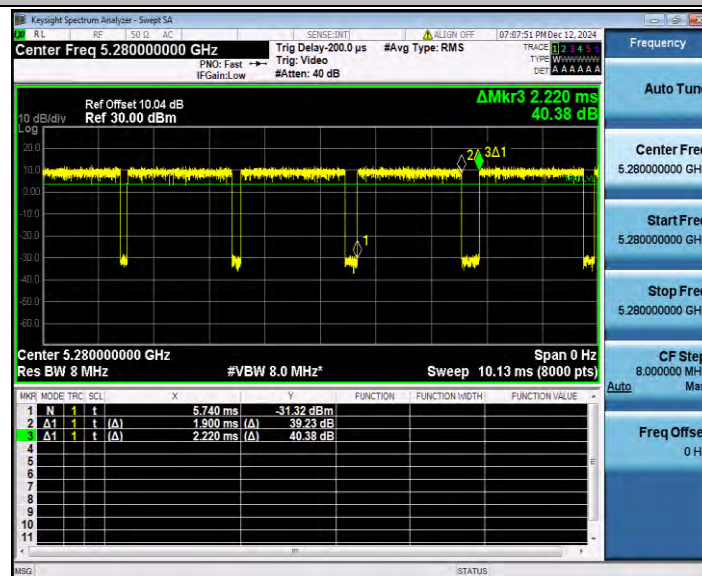
11N40SISO_Ant1_5310

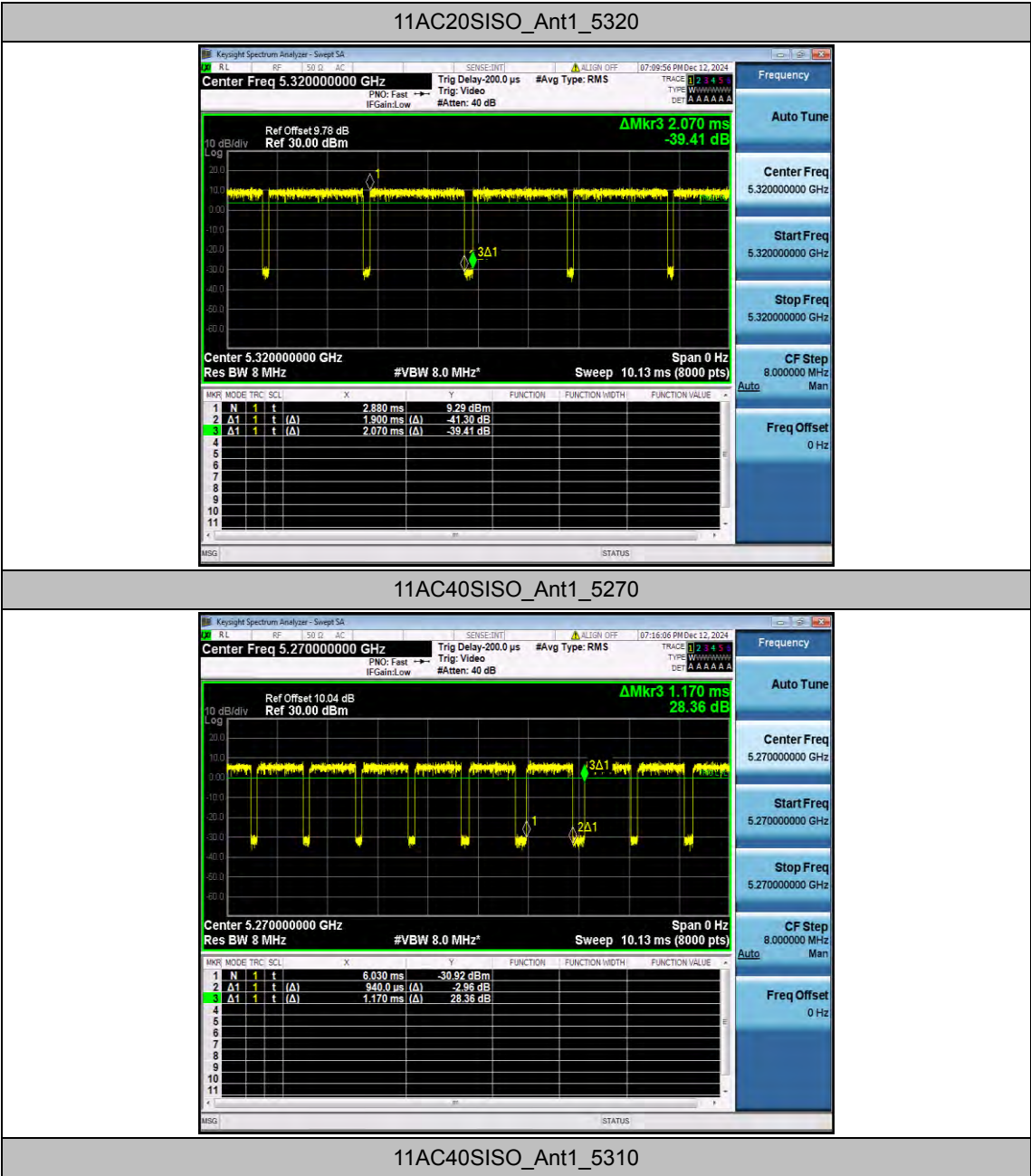


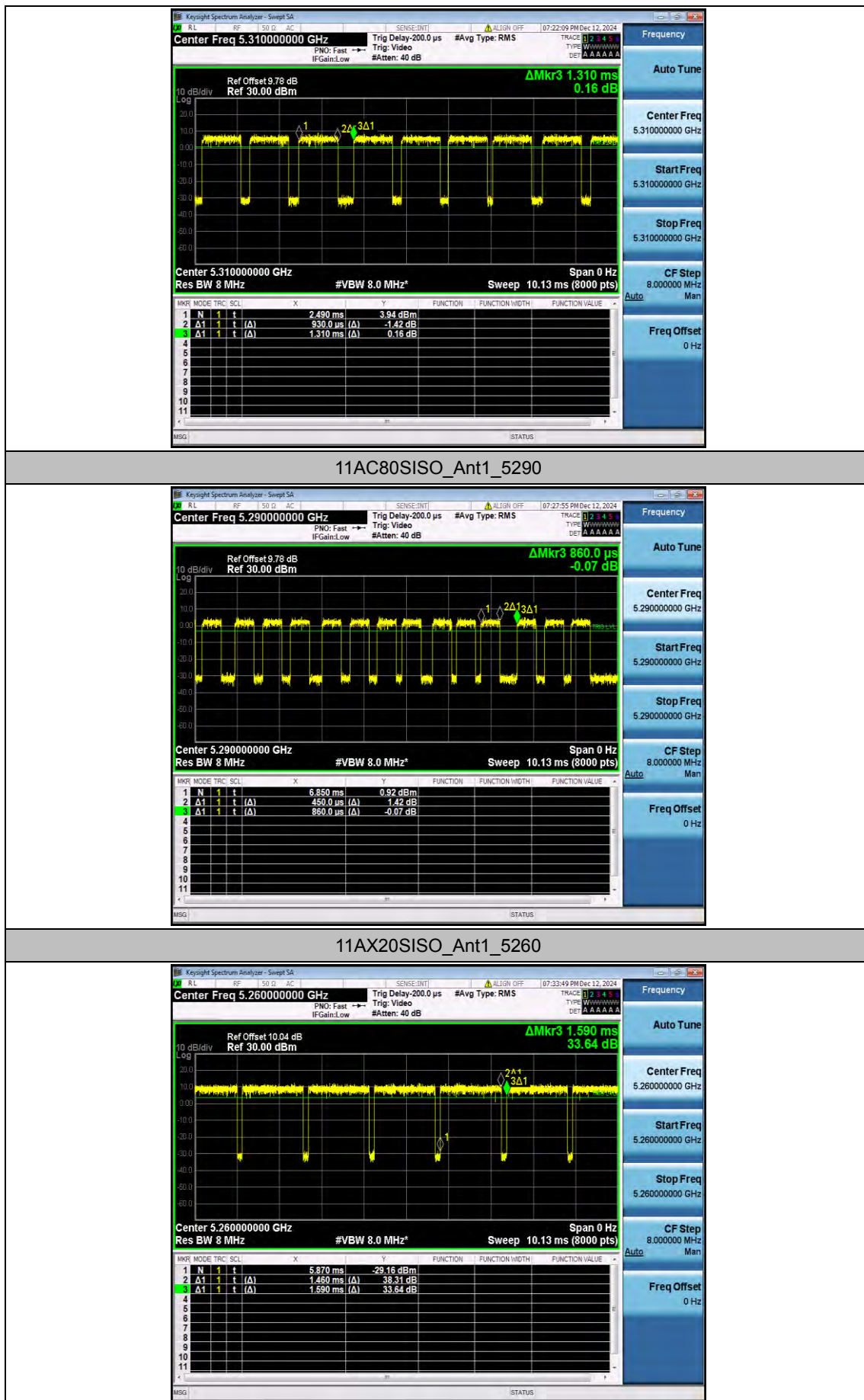
11AC20SISO_Ant1_5260

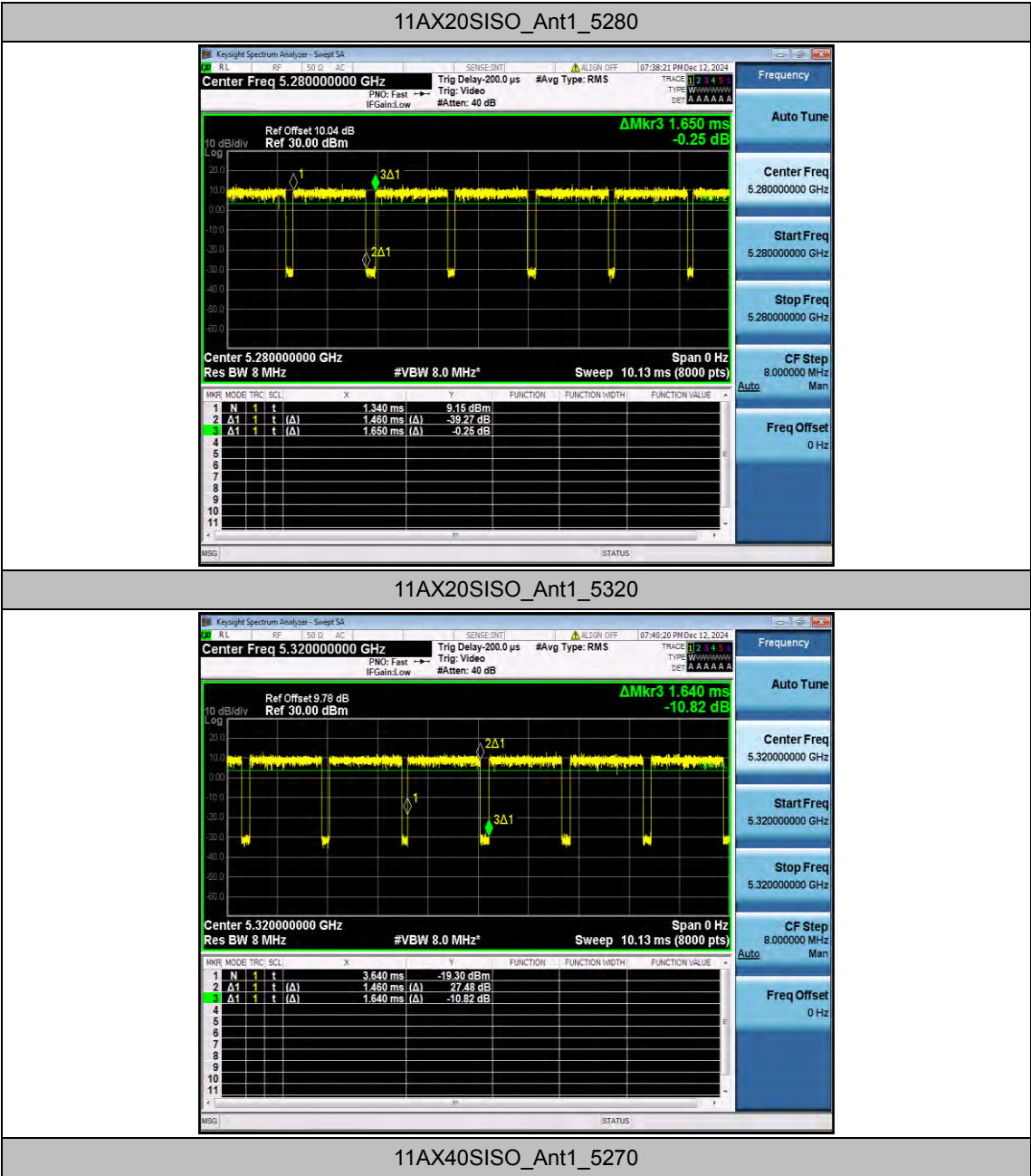


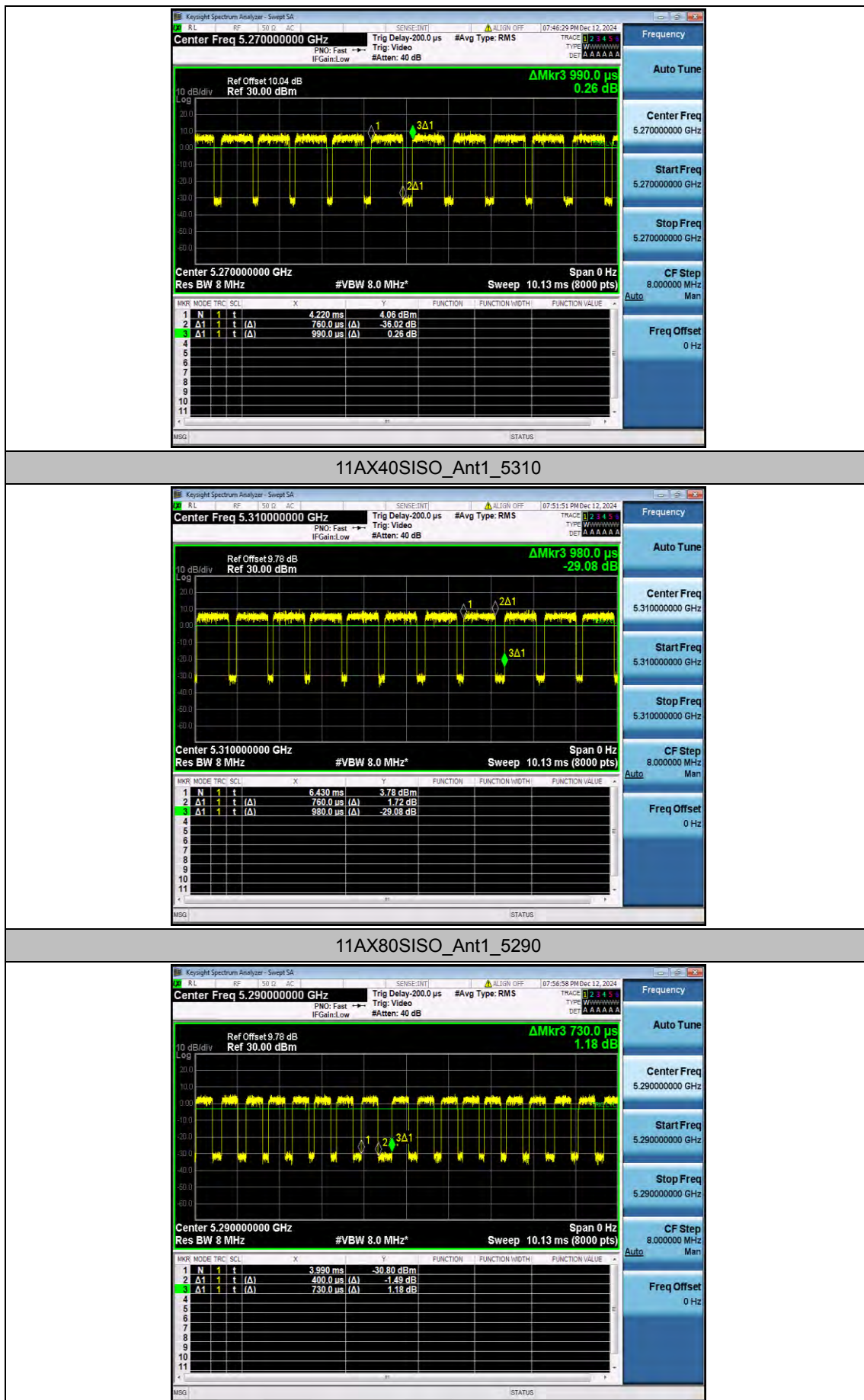
11AC20SISO_Ant1_5280











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	10.65	87.50	0.58	11.23	≤23.98	PASS
		5280	11.11	82.19	0.85	11.96	≤23.98	PASS
		5320	10.83	72.97	1.37	12.20	≤23.98	PASS
11N20SISO	Ant1	5260	11.61	89.15	0.50	12.11	≤23.98	PASS
		5280	10.67	46.90	3.29	13.96	≤23.98	PASS
		5320	10.79	72.97	1.37	12.16	≤23.98	PASS
11N40SISO	Ant1	5270	9.17	79.49	1.00	10.17	≤23.98	PASS
		5310	9.53	69.40	1.59	11.12	≤23.98	PASS
11AC20SISO	Ant1	5260	11.08	90.91	0.41	11.49	≤23.98	PASS
		5280	11.41	85.59	0.68	12.09	≤23.98	PASS
		5320	11.07	91.79	0.37	11.44	≤23.98	PASS
11AC40SISO	Ant1	5270	10.51	80.34	0.95	11.46	≤23.98	PASS
		5310	9.73	70.99	1.49	11.22	≤23.98	PASS
11AC80SISO	Ant1	5290	9.51	52.33	2.81	12.32	≤23.98	PASS
11AX20SISO	Ant1	5260	11.27	91.82	0.37	11.64	≤23.98	PASS
		5280	11.55	88.48	0.53	12.08	≤23.98	PASS
		5320	11.73	89.02	0.51	12.24	≤23.98	PASS
11AX40SISO	Ant1	5270	11.15	76.77	1.15	12.30	≤23.98	PASS
		5310	10.94	77.55	1.10	12.04	≤23.98	PASS
11AX80SISO	Ant1	5290	9.20	54.79	2.61	11.81	≤23.98	PASS

Appendix E.5: Maximum power spectral density

Test Result

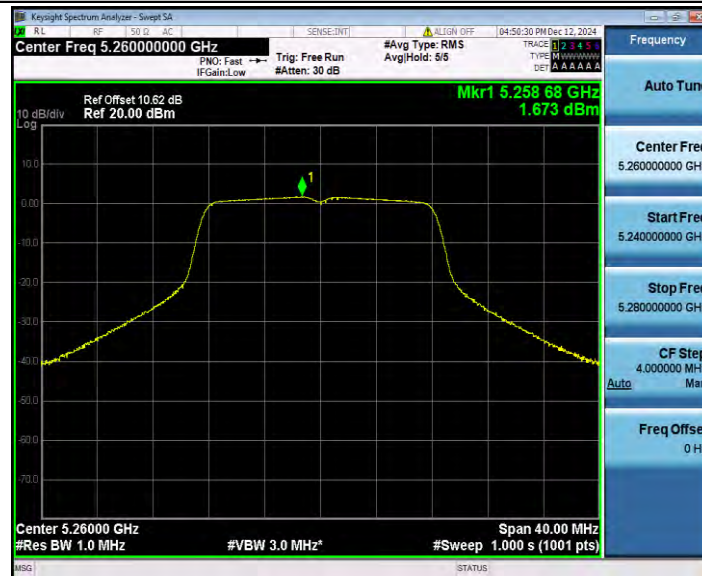
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	1.67	≤11.00	PASS
		5280	1.81	≤11.00	PASS
		5320	0.84	≤11.00	PASS
11N20SISO	Ant1	5260	0.84	≤11.00	PASS
		5280	3.59	≤11.00	PASS
		5320	1.50	≤11.00	PASS
11N40SISO	Ant1	5270	-3.07	≤11.00	PASS
		5310	-2.46	≤11.00	PASS
11AC20SISO	Ant1	5260	1.20	≤11.00	PASS
		5280	1.50	≤11.00	PASS
		5320	0.90	≤11.00	PASS
11AC40SISO	Ant1	5270	-2.17	≤11.00	PASS
		5310	-1.56	≤11.00	PASS
11AC80SISO	Ant1	5290	-3.65	≤11.00	PASS
11AX20SISO	Ant1	5260	0.95	≤11.00	PASS
		5280	0.78	≤11.00	PASS
		5320	0.97	≤11.00	PASS
11AX40SISO	Ant1	5270	-1.91	≤11.00	PASS
		5310	-2.21	≤11.00	PASS
11AX80SISO	Ant1	5290	-4.54	≤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_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



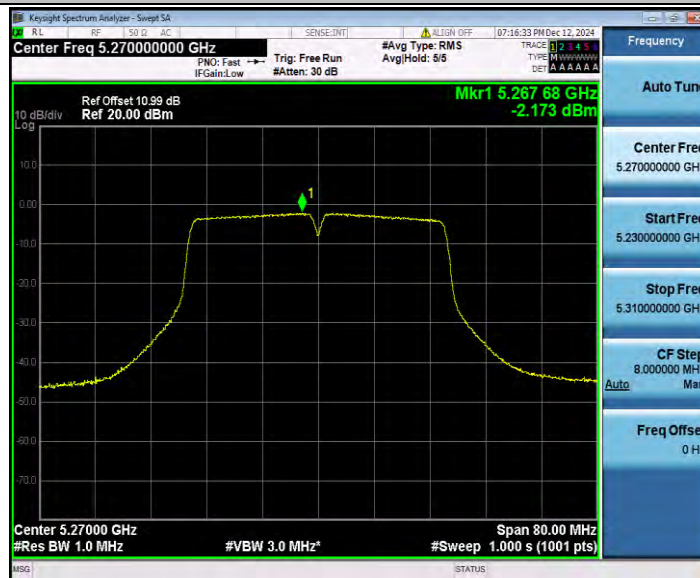
11AC20SISO_Ant1_5280



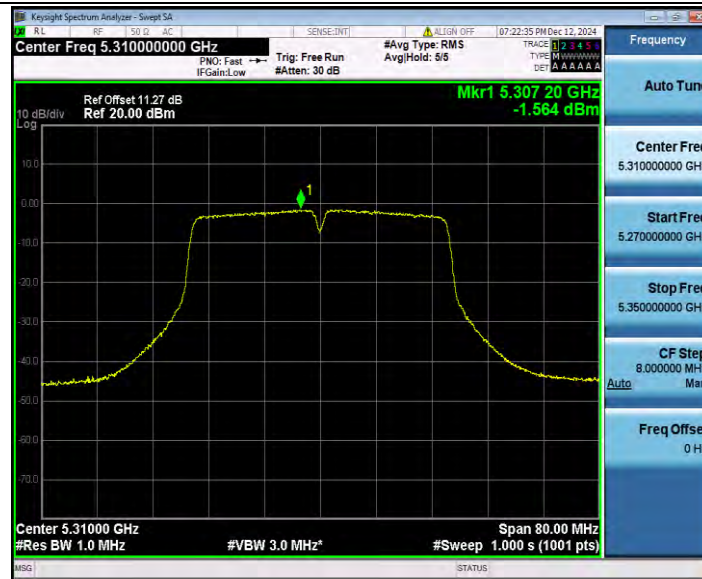
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



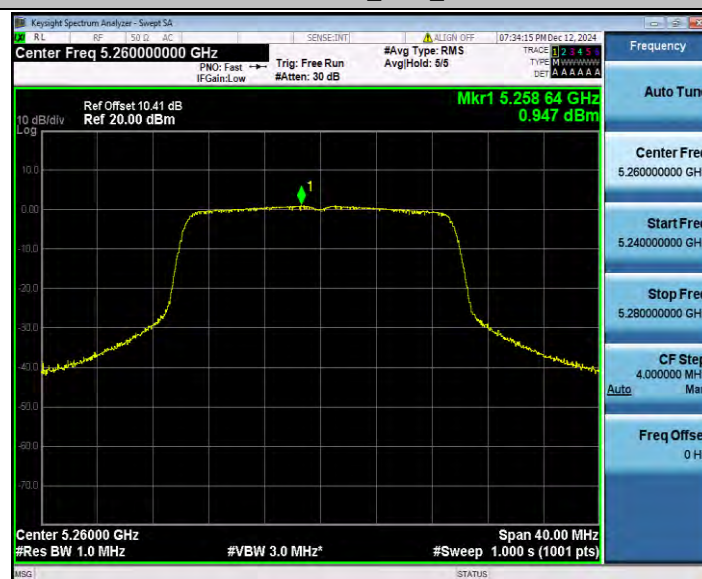
11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



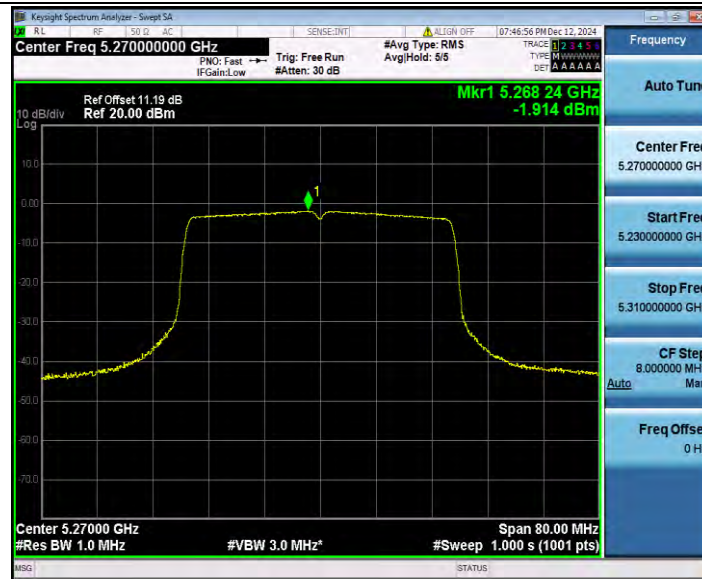
11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

