

Case No. : <u>GTS20241129021-1-05</u>	
Ambient Condition: <u>22</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.1.13</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	20.280	5250.080	5270.360	---	---
		5280	20.720	5269.960	5290.680	---	---
		5320	20.800	5309.600	5330.400	---	---
11N20SISO	Ant1	5260	20.400	5249.960	5270.360	---	---
		5280	20.560	5269.800	5290.360	---	---
		5320	20.480	5309.880	5330.360	---	---
11N40SISO	Ant1	5270	40.240	5250.000	5290.240	---	---
		5310	40.560	5289.760	5330.320	---	---
11AC20SISO	Ant1	5260	20.920	5249.480	5270.400	---	---
		5280	21.040	5269.400	5290.440	---	---
		5320	20.920	5309.680	5330.600	---	---
11AC40SISO	Ant1	5270	40.320	5249.920	5290.240	---	---
		5310	40.640	5289.680	5330.320	---	---
11AC80SISO	Ant1	5290	84.800	5247.600	5332.400	---	---
11AX20SISO	Ant1	5260	21.000	5249.480	5270.480	---	---
		5280	21.320	5269.280	5290.600	---	---
		5320	20.840	5309.600	5330.440	---	---
11AX40SISO	Ant1	5270	40.000	5250.080	5290.080	---	---
		5310	40.400	5290.000	5330.400	---	---
11AX80SISO	Ant1	5290	82.880	5249.200	5332.080	---	---

Test Graphs

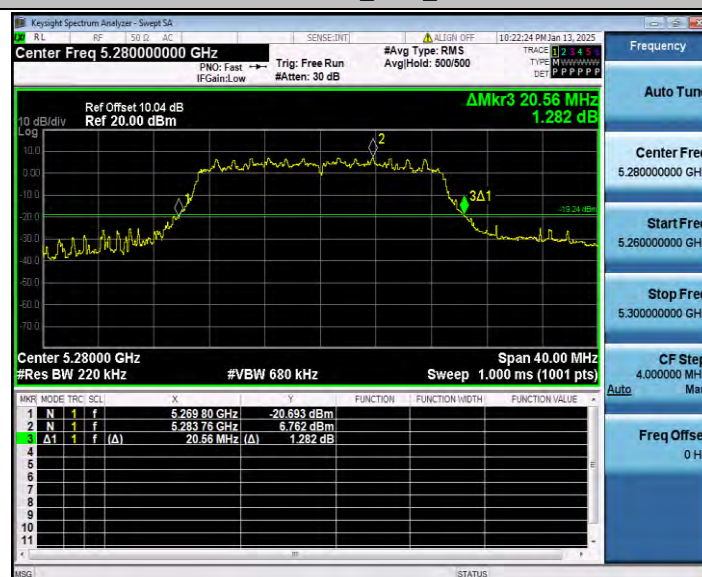




11N20SISO_Ant1_5260



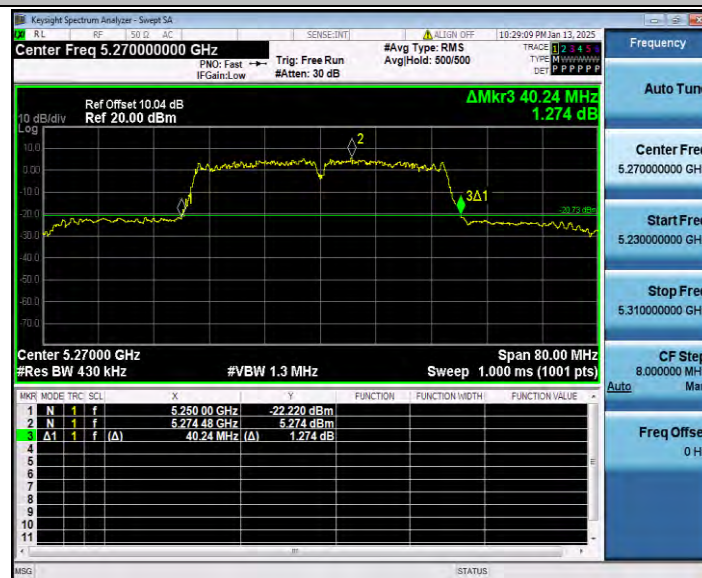
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310

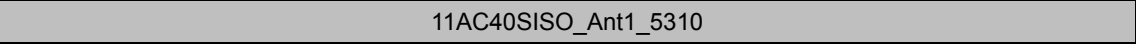
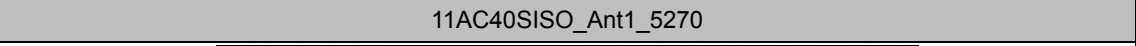


11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280







11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40ISO_Ant1_5310



11AX80ISO_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	16.928	5251.5993	5268.5273	---	---
		5280	16.892	5271.6028	5288.4948	---	---
		5320	16.946	5311.5938	5328.5398	---	---
11N20SISO	Ant1	5260	17.869	5251.0946	5268.9636	---	---
		5280	17.911	5271.0669	5288.9779	---	---
		5320	17.851	5311.0878	5328.9388	---	---
11N40SISO	Ant1	5270	36.560	5251.7311	5288.2911	---	---
		5310	36.431	5291.9394	5328.3704	---	---
11AC20SISO	Ant1	5260	17.867	5251.0908	5268.9578	---	---
		5280	17.921	5271.0563	5288.9773	---	---
		5320	17.859	5311.0745	5328.9335	---	---
11AC40SISO	Ant1	5270	36.172	5252.0852	5288.2572	---	---
		5310	36.176	5292.1067	5328.2827	---	---
11AC80SISO	Ant1	5290	75.982	5252.3717	5328.3537	---	---
11AX20SISO	Ant1	5260	18.896	5250.5573	5269.4533	---	---
		5280	18.973	5270.5423	5289.5153	---	---
		5320	18.900	5310.5757	5329.4757	---	---
11AX40SISO	Ant1	5270	37.454	5251.3307	5288.7847	---	---
		5310	37.435	5291.3575	5328.7925	---	---
11AX80SISO	Ant1	5290	77.465	5251.4417	5328.9067	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



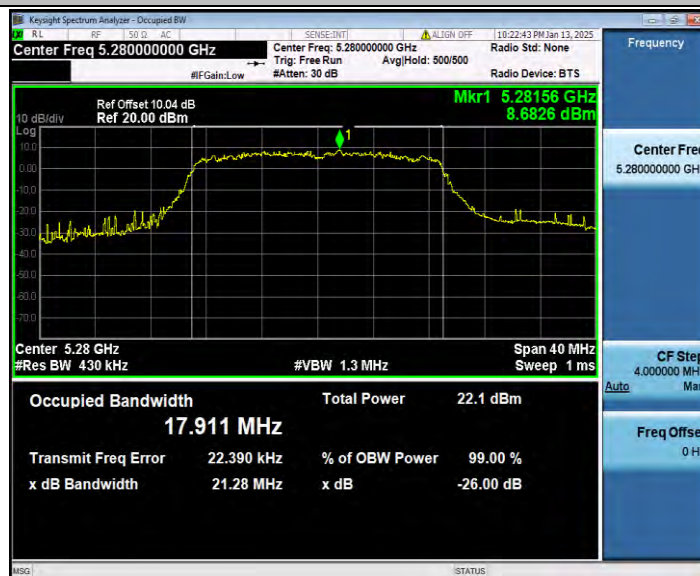
11A_Ant1_5320



11N20SISO_Ant1_5260



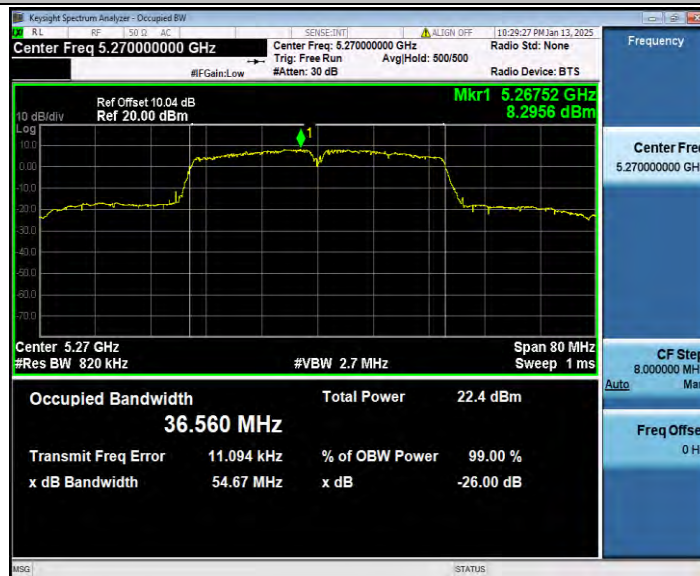
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



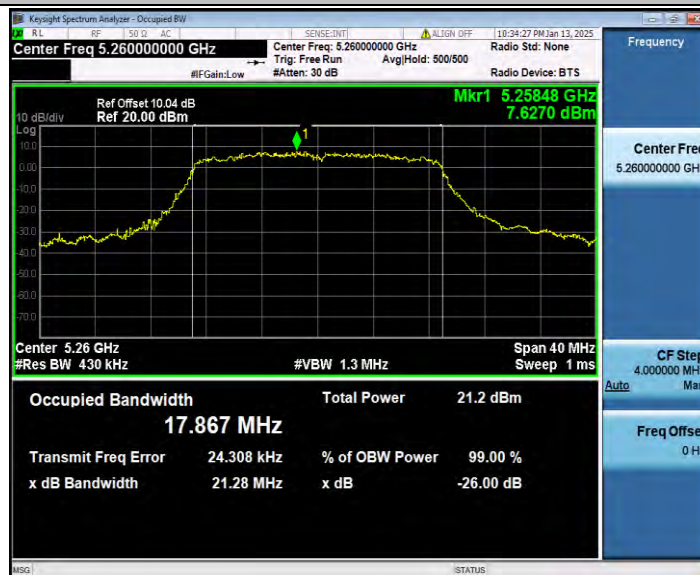
11N40SISO_Ant1_5270



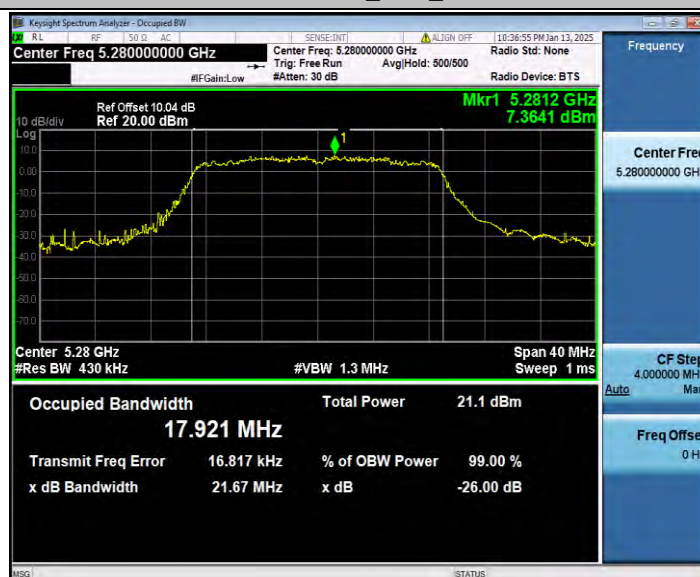
11N40SISO_Ant1_5310



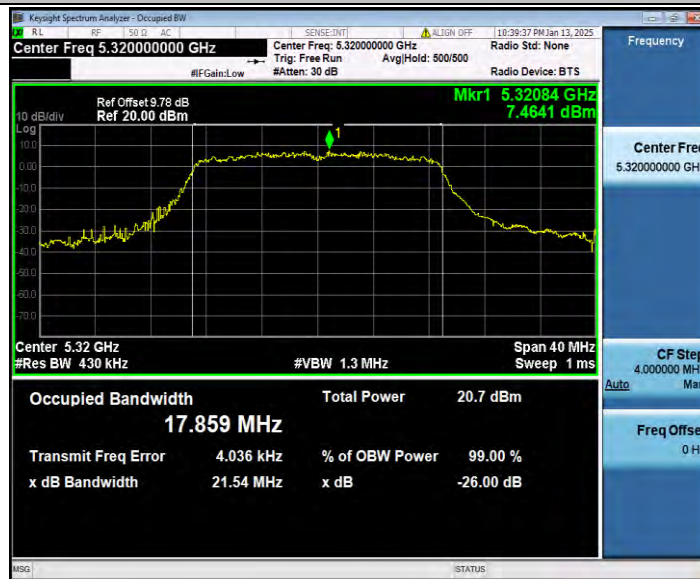
11AC20SISO_Ant1_5260



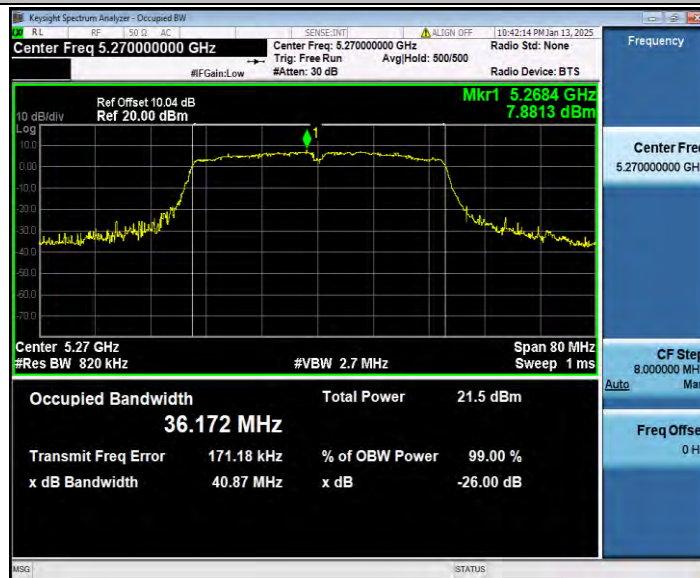
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



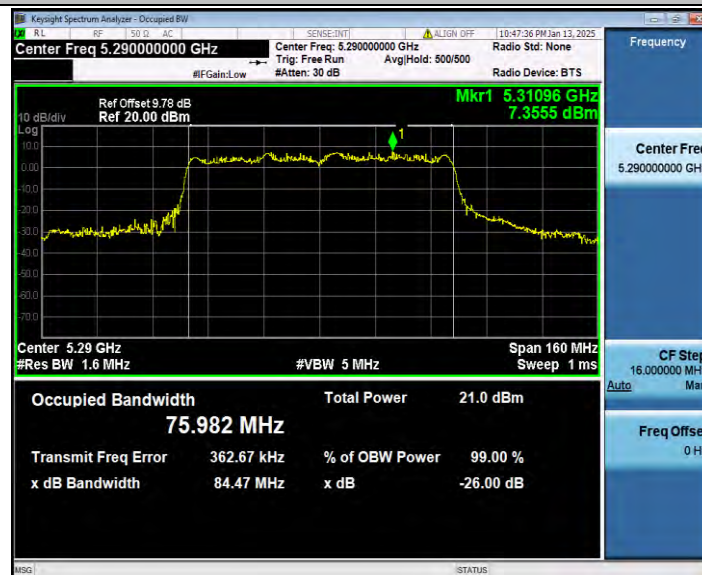
11AC40SISO_Ant1_5270



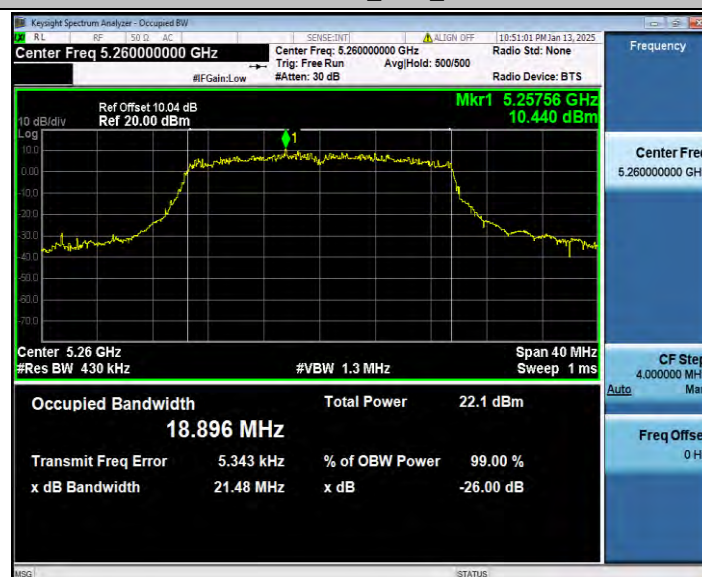
11AC40SISO_Ant1_5310



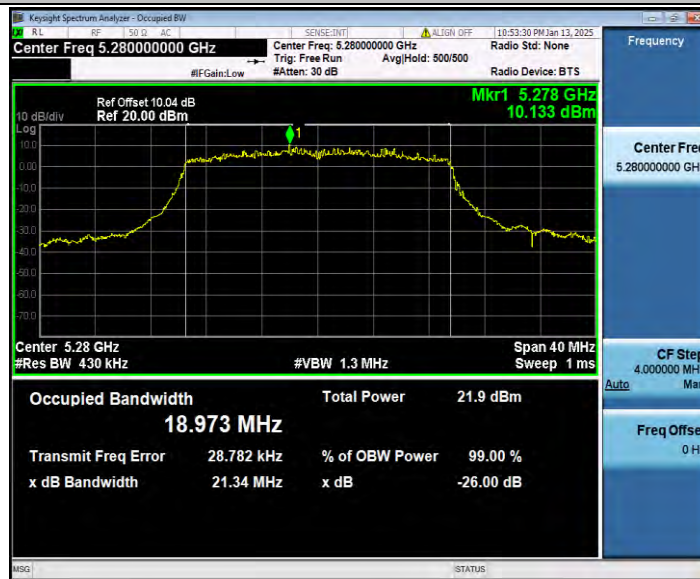
11AC80SISO_Ant1_5290



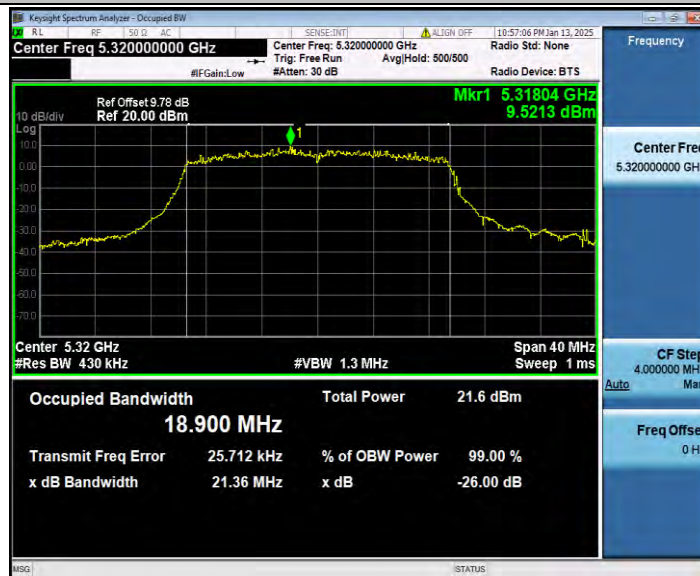
11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



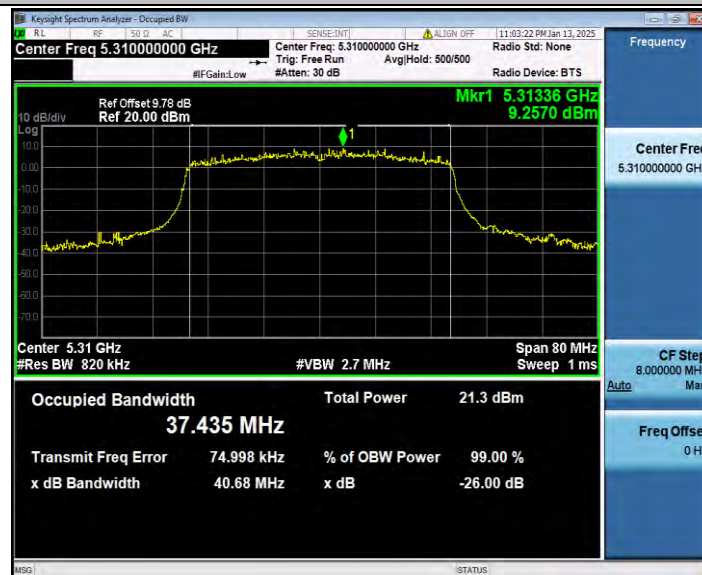
11AX20SISO_Ant1_5320



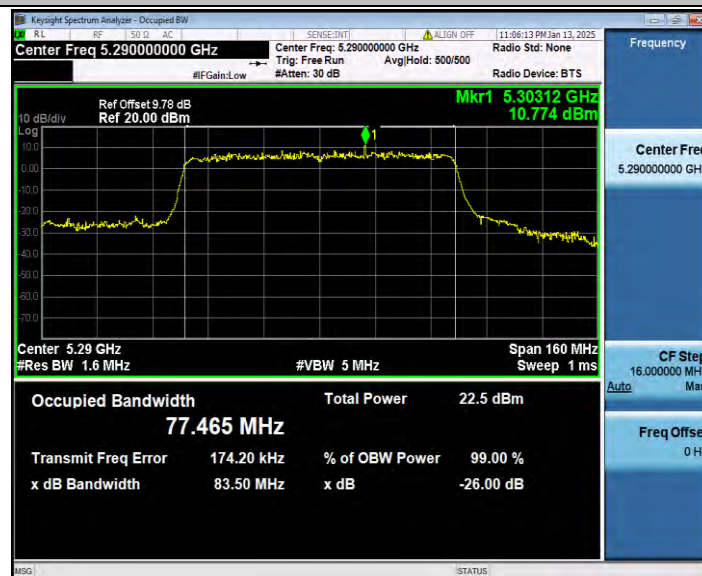
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

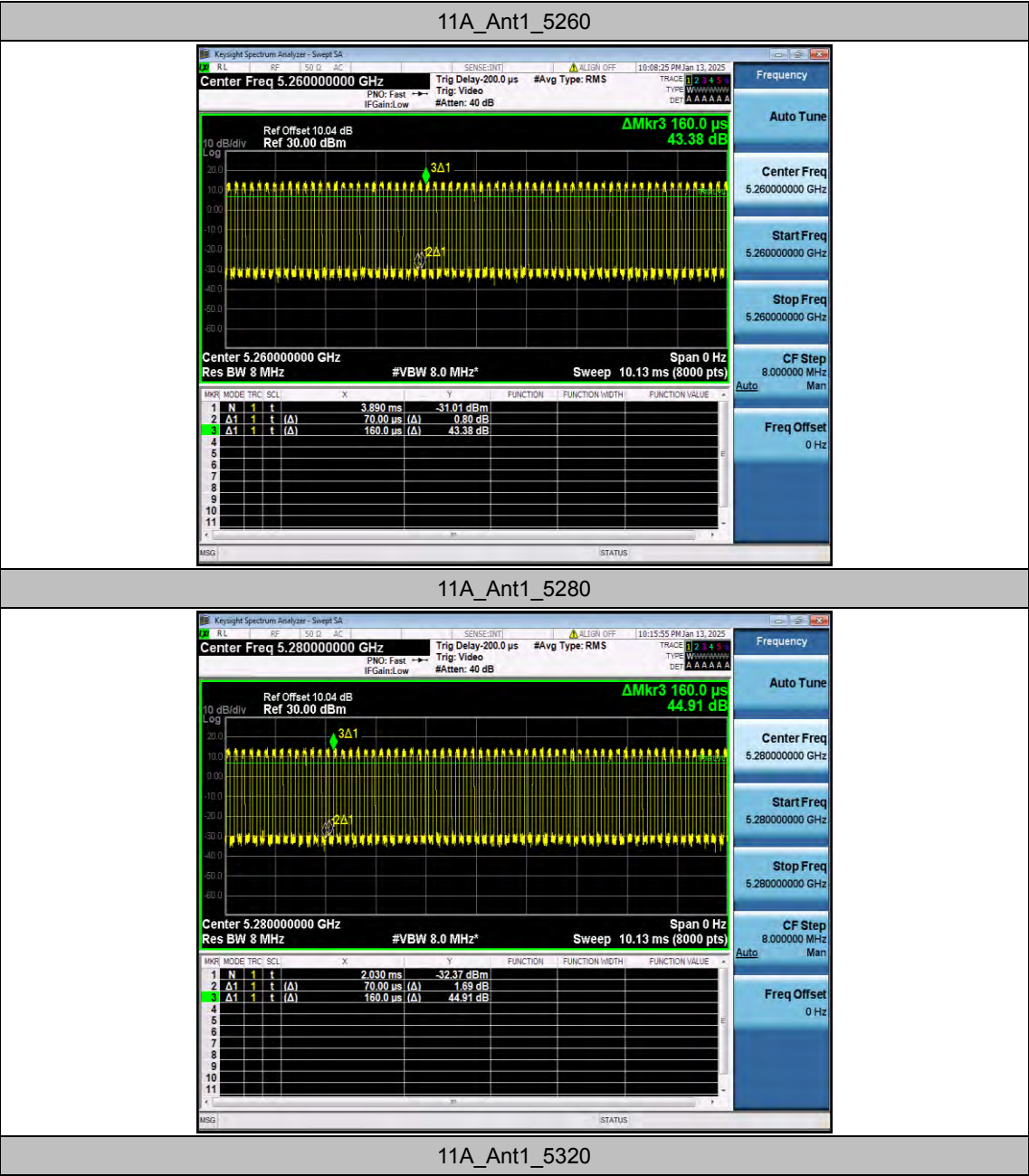


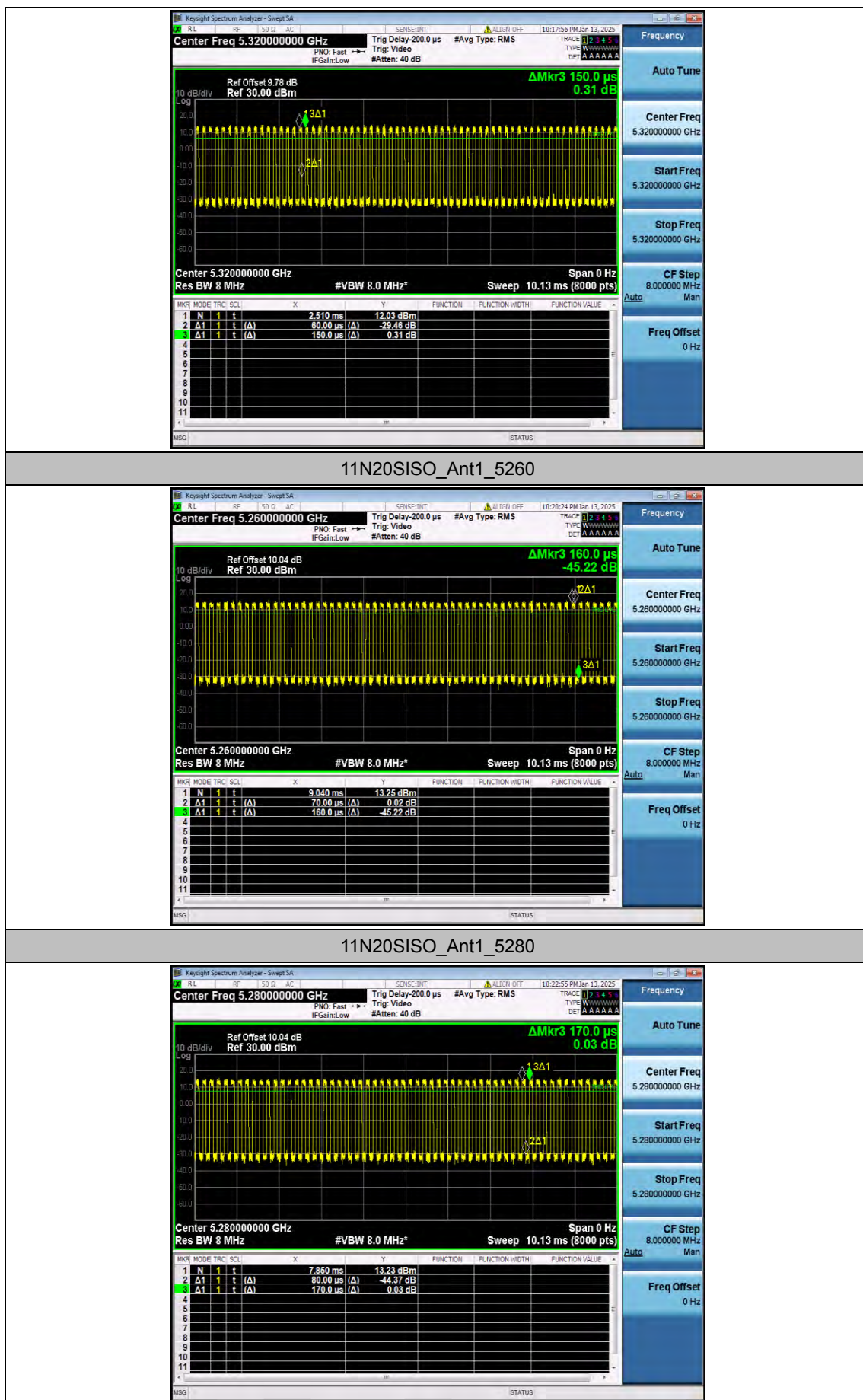
Appendix E.3: Duty Cycle

Test Result

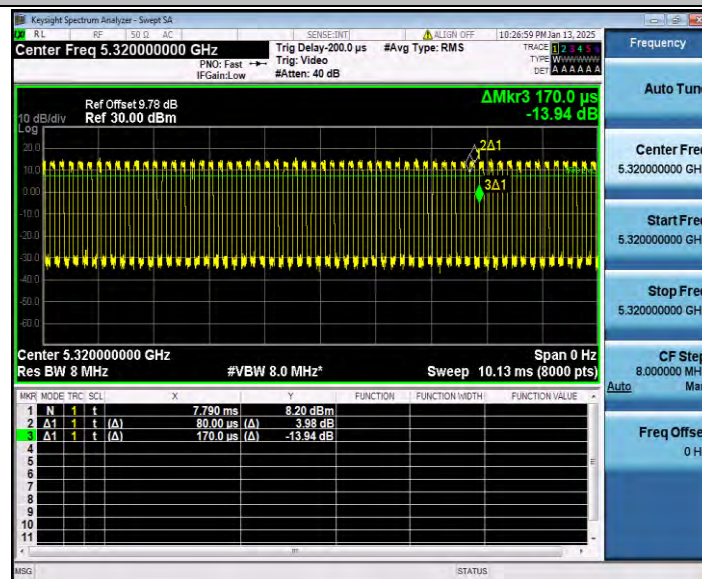
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	0.07	0.16	43.75	3.59	14.29
		5280	0.07	0.16	43.75	3.59	14.29
		5320	0.06	0.15	40.00	3.98	16.67
11N20SISO	Ant1	5260	0.07	0.16	43.75	3.59	14.29
		5280	0.08	0.17	47.06	3.27	12.50
		5320	0.08	0.17	47.06	3.27	12.50
11N40SISO	Ant1	5270	0.05	0.14	35.71	4.47	20.00
		5310	0.06	0.15	40.00	3.98	16.67
11AC20SISO	Ant1	5260	0.09	0.18	50.00	3.01	11.11
		5280	0.09	0.18	50.00	3.01	11.11
		5320	0.09	0.17	52.94	2.76	11.11
11AC40SISO	Ant1	5270	0.06	0.15	40.00	3.98	16.67
		5310	0.06	0.15	40.00	3.98	16.67
11AC80SISO	Ant1	5290	0.05	0.14	35.71	4.47	20.00
11AX20SISO	Ant1	5260	0.09	0.18	50.00	3.01	11.11
		5280	0.09	0.18	50.00	3.01	11.11
		5320	0.09	0.18	50.00	3.01	11.11
11AX40SISO	Ant1	5270	0.09	0.18	50.00	3.01	11.11
		5310	0.08	0.18	44.44	3.52	12.50
11AX80SISO	Ant1	5290	0.07	0.16	43.75	3.59	14.29

Test Graphs

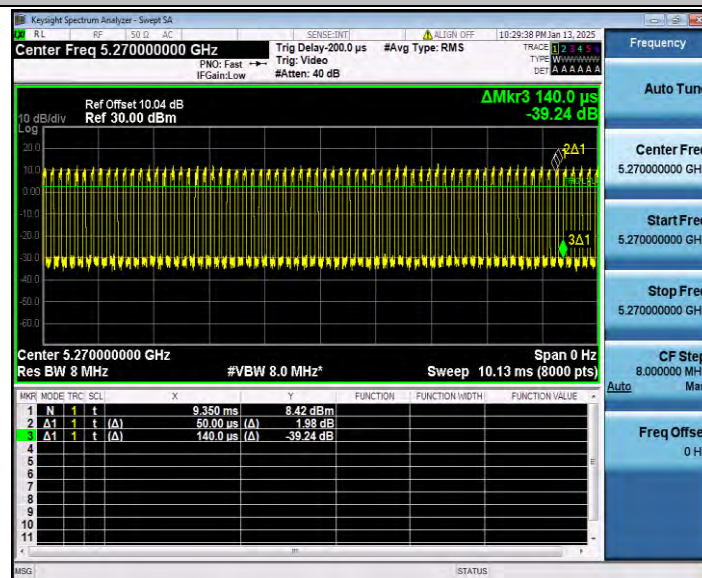




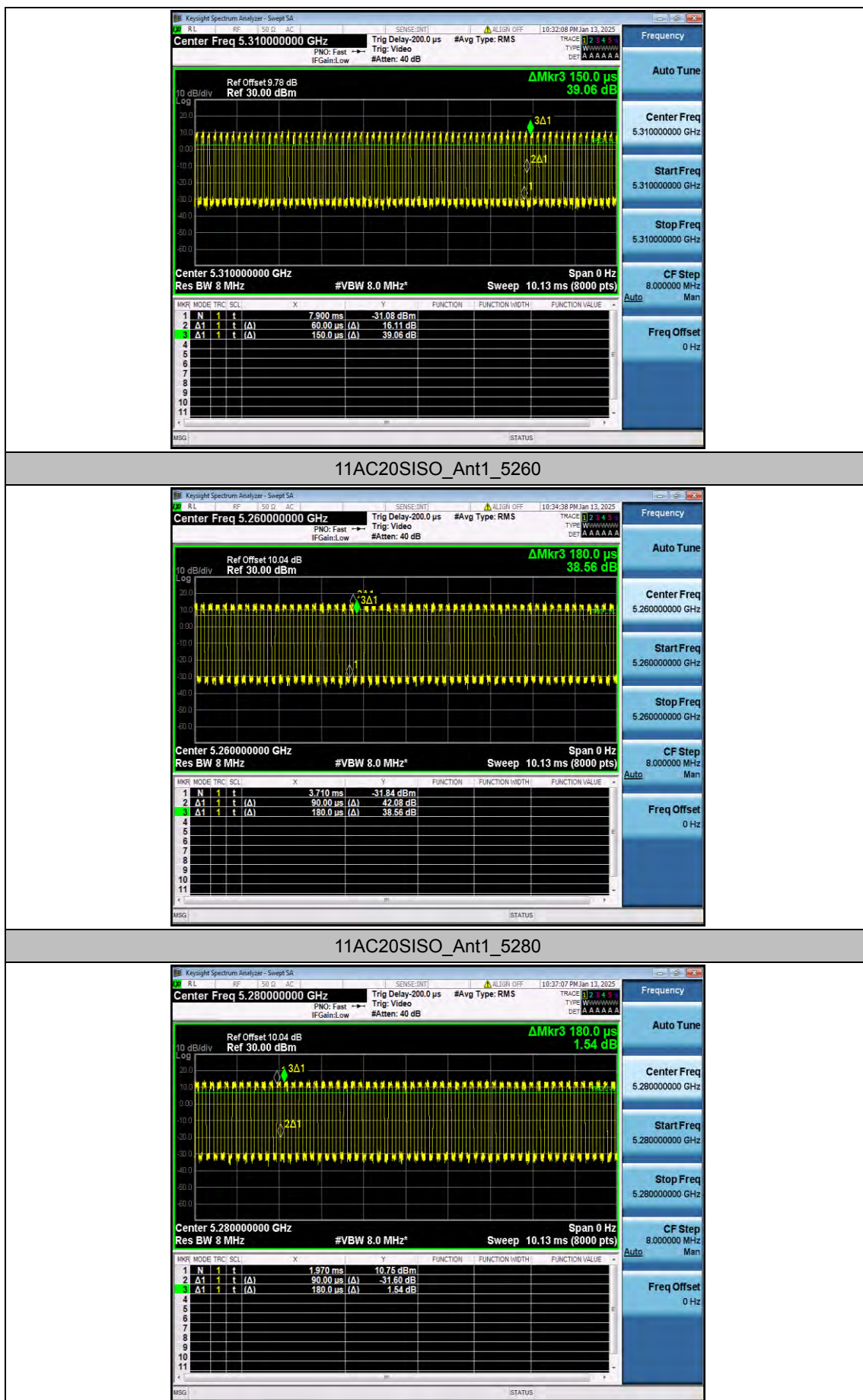
11N20SISO_Ant1_5320



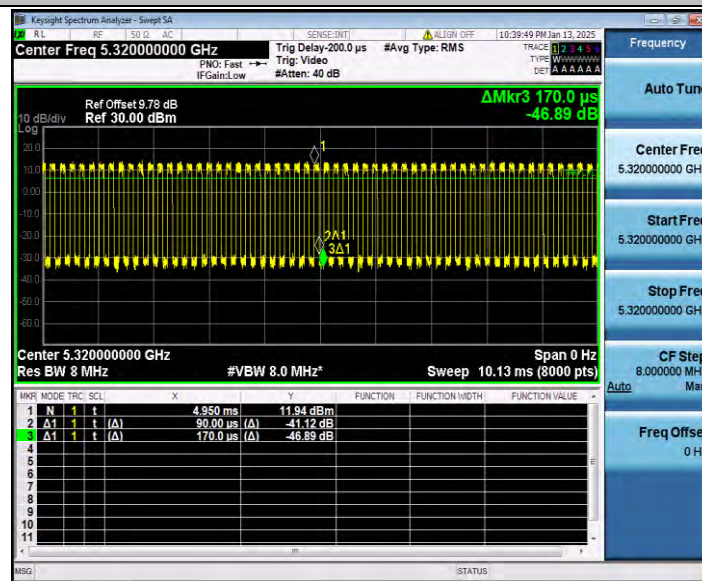
11N40SISO_Ant1_5270



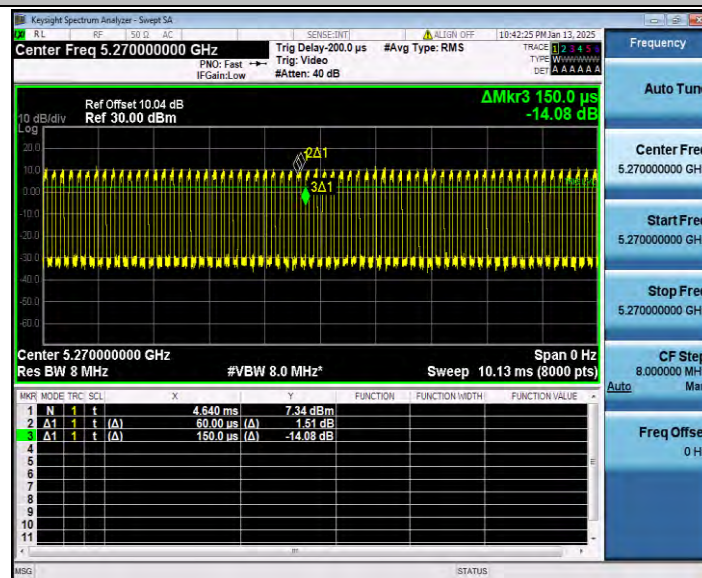
11N40SISO_Ant1_5310



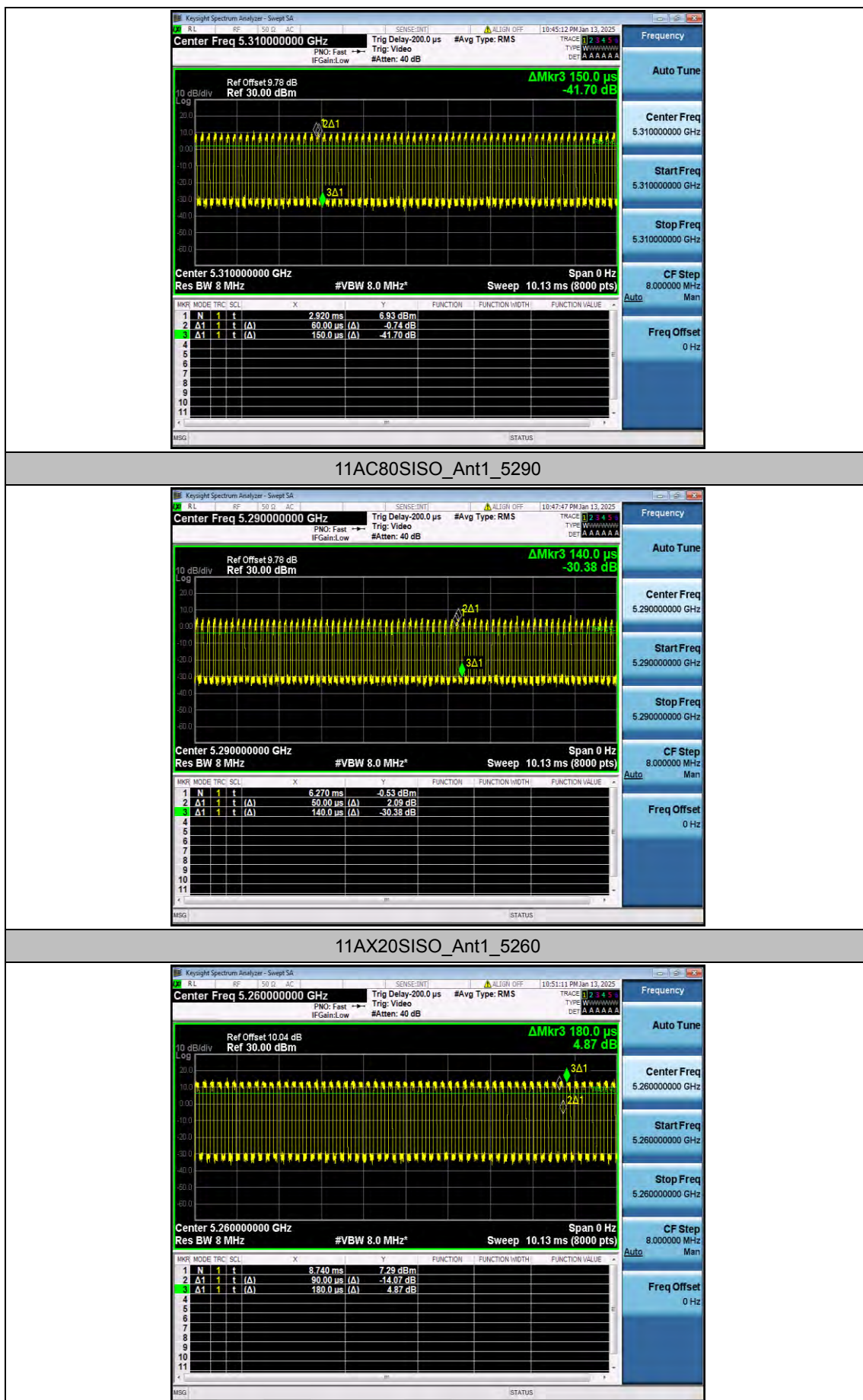
11AC20SISO_Ant1_5320



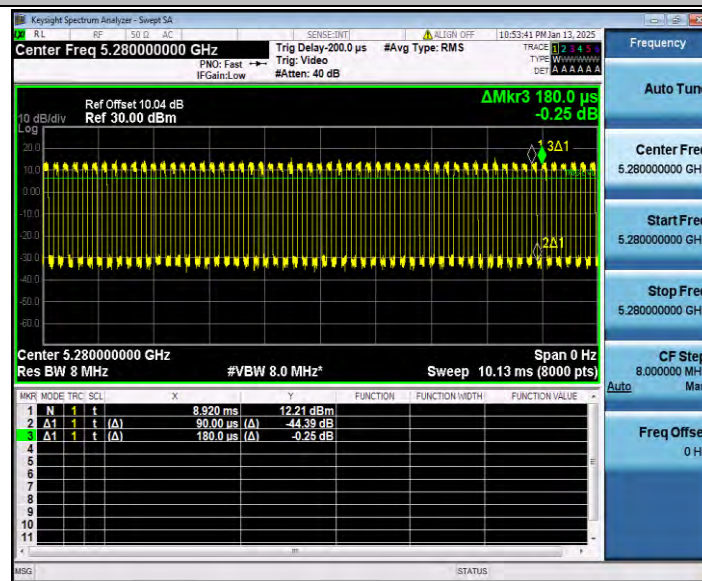
11AC40SISO_Ant1_5270



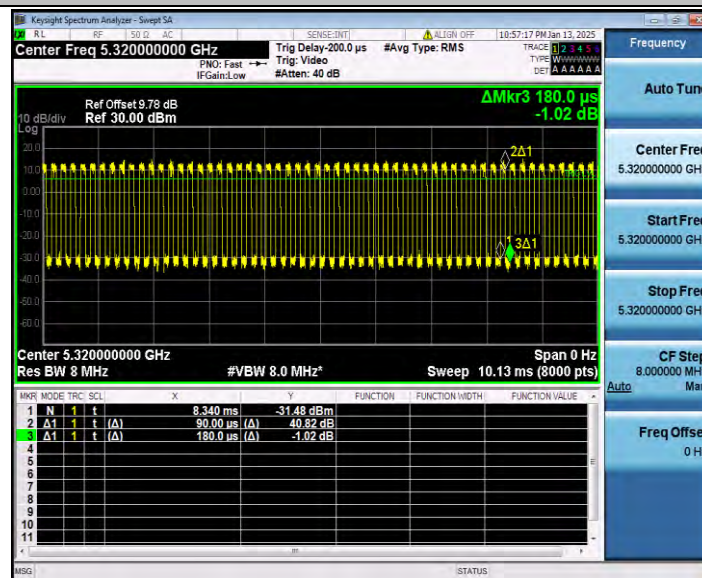
11AC40SISO_Ant1_5310



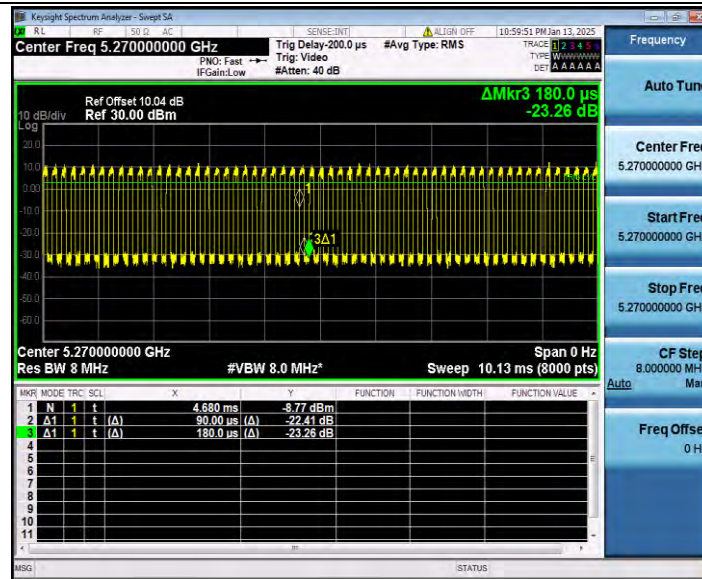
11AX20SISO_Ant1_5280



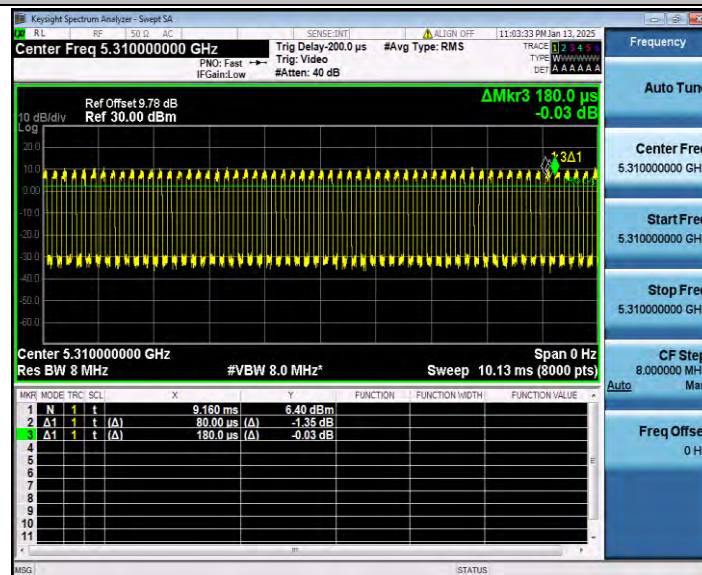
11AX20SISO_Ant1_5320



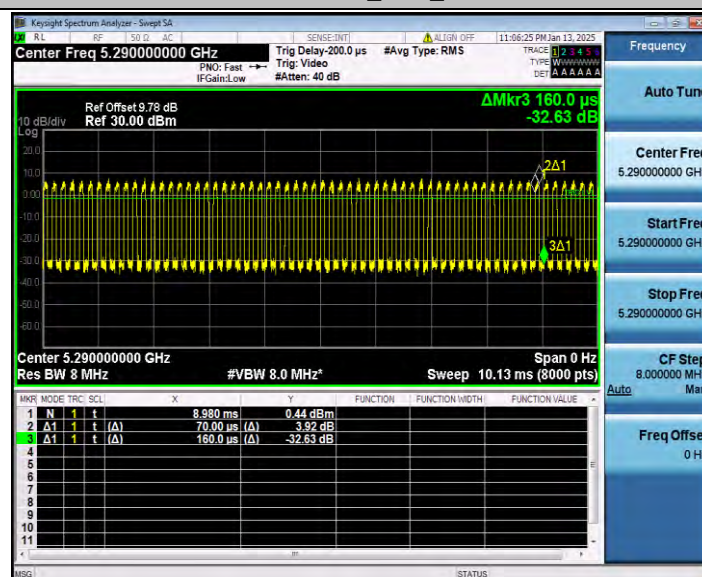
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290



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	11.44	43.75	3.59	15.03	≤23.98	PASS
		5280	11.39	43.75	3.59	14.98	≤23.98	PASS
		5320	11.19	40.00	3.98	15.17	≤23.98	PASS
11N20SISO	Ant1	5260	12.87	43.75	3.59	16.46	≤23.98	PASS
		5280	12.75	47.06	3.27	16.02	≤23.98	PASS
		5320	12.38	47.06	3.27	15.65	≤23.98	PASS
11N40SISO	Ant1	5270	11.48	35.71	4.47	15.95	≤23.98	PASS
		5310	10.92	40.00	3.98	14.90	≤23.98	PASS
11AC20SISO	Ant1	5260	12.01	50.00	3.01	15.02	≤23.98	PASS
		5280	11.91	50.00	3.01	14.92	≤23.98	PASS
		5320	11.59	52.94	2.76	14.35	≤23.98	PASS
11AC40SISO	Ant1	5270	10.85	40.00	3.98	14.83	≤23.98	PASS
		5310	10.23	40.00	3.98	14.21	≤23.98	PASS
11AC80SISO	Ant1	5290	9.20	35.71	4.47	13.67	≤23.98	PASS
11AX20SISO	Ant1	5260	11.87	50.00	3.01	14.88	≤23.98	PASS
		5280	11.77	50.00	3.01	14.78	≤23.98	PASS
		5320	11.43	50.00	3.01	14.44	≤23.98	PASS
11AX40SISO	Ant1	5270	11.10	50.00	3.01	14.11	≤23.98	PASS
		5310	10.49	44.44	3.52	14.01	≤23.98	PASS
11AX80SISO	Ant1	5290	11.12	43.75	3.59	14.71	≤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	4.35	≤11.00	PASS
		5280	4.25	≤11.00	PASS
		5320	4.42	≤11.00	PASS
11N20SISO	Ant1	5260	5.48	≤11.00	PASS
		5280	5.06	≤11.00	PASS
		5320	4.75	≤11.00	PASS
11N40SISO	Ant1	5270	2.59	≤11.00	PASS
		5310	1.60	≤11.00	PASS
11AC20SISO	Ant1	5260	4.19	≤11.00	PASS
		5280	4.07	≤11.00	PASS
		5320	3.48	≤11.00	PASS
11AC40SISO	Ant1	5270	1.67	≤11.00	PASS
		5310	0.98	≤11.00	PASS
11AC80SISO	Ant1	5290	-3.15	≤11.00	PASS
11AX20SISO	Ant1	5260	4.10	≤11.00	PASS
		5280	4.04	≤11.00	PASS
		5320	3.69	≤11.00	PASS
11AX40SISO	Ant1	5270	0.42	≤11.00	PASS
		5310	0.43	≤11.00	PASS
11AX80SISO	Ant1	5290	-2.47	≤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



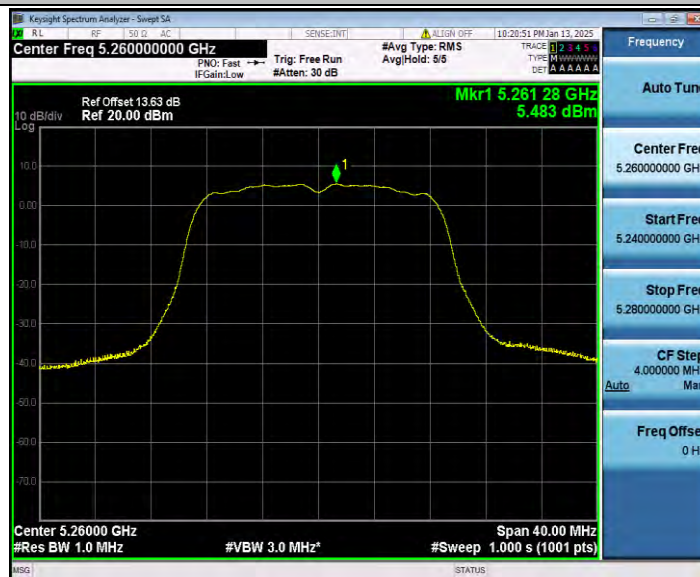
11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



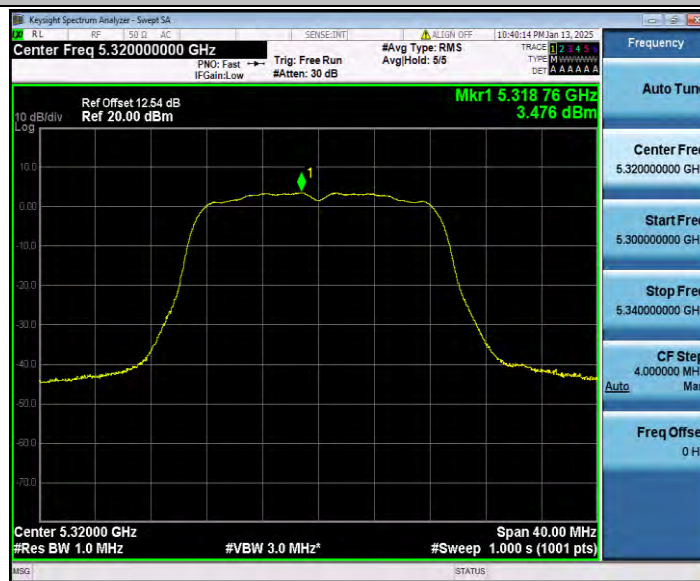
11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



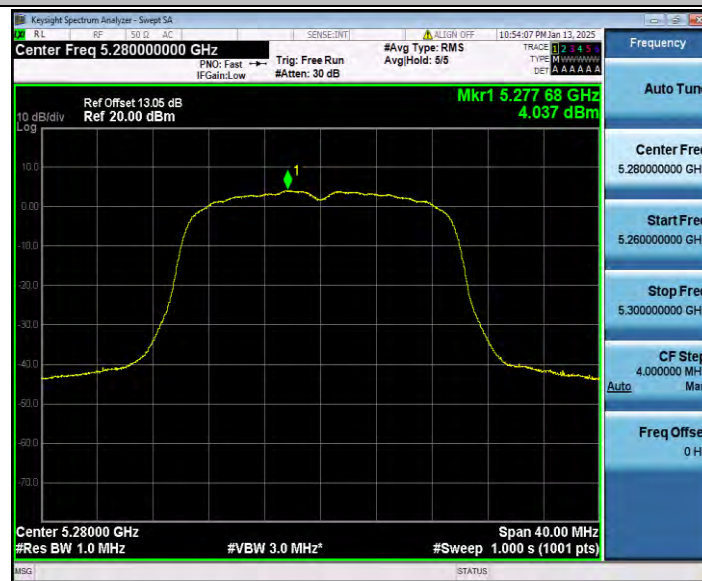
11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

