

Case No. : <u>GTS20251018005-2-04</u>
Ambient Condition: <u>22</u> °C, <u>48</u> %RH
According Standard: ■Part15E
Test Date: <u>2025.10.24-2025.11.17</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	24.680	5247.160	5271.840	---	---
		5280	25.240	5267.600	5292.840	---	---
		5320	24.400	5307.760	5332.160	---	---
11N20SISO	Ant1	5260	28.760	5245.560	5274.320	---	---
		5280	25.160	5267.680	5292.840	---	---
		5320	25.200	5307.520	5332.720	---	---
11N40SISO	Ant1	5270	45.520	5247.200	5292.720	---	---
		5310	45.280	5287.840	5333.120	---	---
11AC20SISO	Ant1	5260	25.280	5247.200	5272.480	---	---
		5280	26.440	5266.160	5292.600	---	---
		5320	25.600	5307.680	5333.280	---	---
11AC40SISO	Ant1	5270	46.400	5246.400	5292.800	---	---
		5310	46.800	5287.280	5334.080	---	---
11AC80SISO	Ant1	5290	89.760	5245.040	5334.800	---	---
11AX20SISO	Ant1	5260	24.200	5248.000	5272.200	---	---
		5280	25.840	5267.160	5293.000	---	---
		5320	25.120	5307.920	5333.040	---	---
11AX40SISO	Ant1	5270	46.080	5247.280	5293.360	---	---
		5310	44.320	5288.000	5332.320	---	---
11AX80SISO	Ant1	5290	85.280	5247.440	5332.720	---	---

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

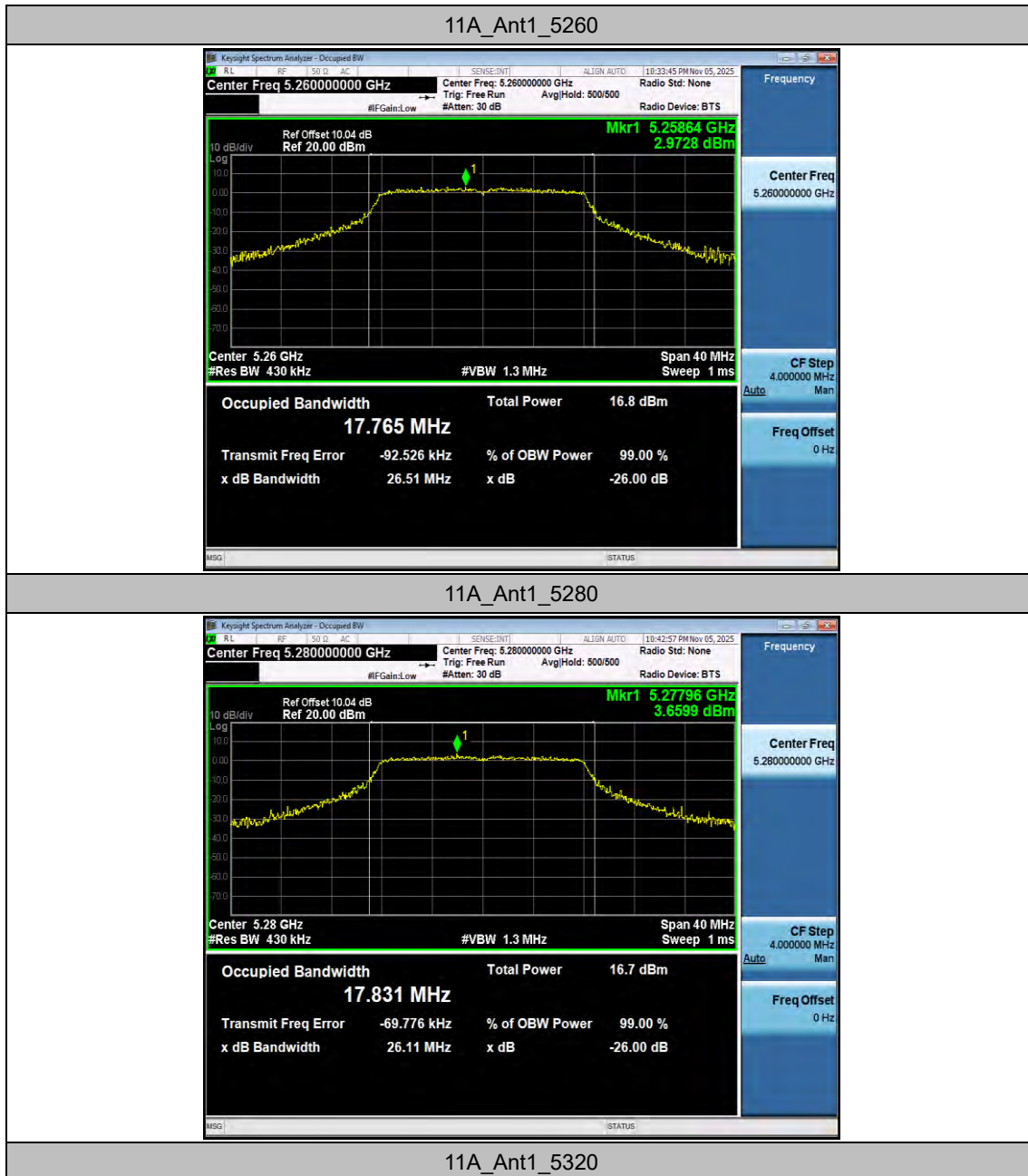


Appendix E.2: Occupied channel bandwidth

Test Result

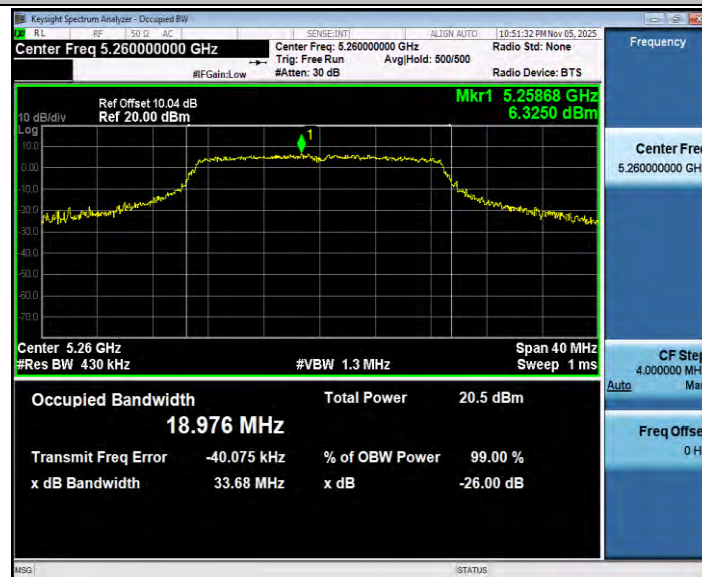
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.765	5251.0250	5268.7900	---	---
		5280	17.831	5271.0147	5288.8457	---	---
		5320	17.669	5311.1080	5328.7770	---	---
11N20SISO	Ant1	5260	18.976	5250.4719	5269.4479	---	---
		5280	18.744	5270.6480	5289.3920	---	---
		5320	18.751	5310.6560	5329.4070	---	---
11N40SISO	Ant1	5270	37.290	5251.2836	5288.5736	---	---
		5310	37.321	5291.4786	5328.7996	---	---
11AC20SISO	Ant1	5260	18.818	5250.5864	5269.4044	---	---
		5280	18.766	5270.5766	5289.3426	---	---
		5320	18.775	5310.6346	5329.4096	---	---
11AC40SISO	Ant1	5270	37.437	5251.2712	5288.7082	---	---
		5310	37.331	5291.4228	5328.7538	---	---
11AC80SISO	Ant1	5290	76.526	5251.8864	5328.4124	---	---
11AX20SISO	Ant1	5260	19.489	5250.2592	5269.7482	---	---
		5280	19.467	5270.2853	5289.7523	---	---
		5320	19.452	5310.2812	5329.7332	---	---
11AX40SISO	Ant1	5270	38.293	5250.8678	5289.1608	---	---
		5310	38.318	5290.9228	5329.2408	---	---
11AX80SISO	Ant1	5290	77.845	5251.1820	5329.0270	---	---

Test Graphs





11N20SISO_Ant1_5260



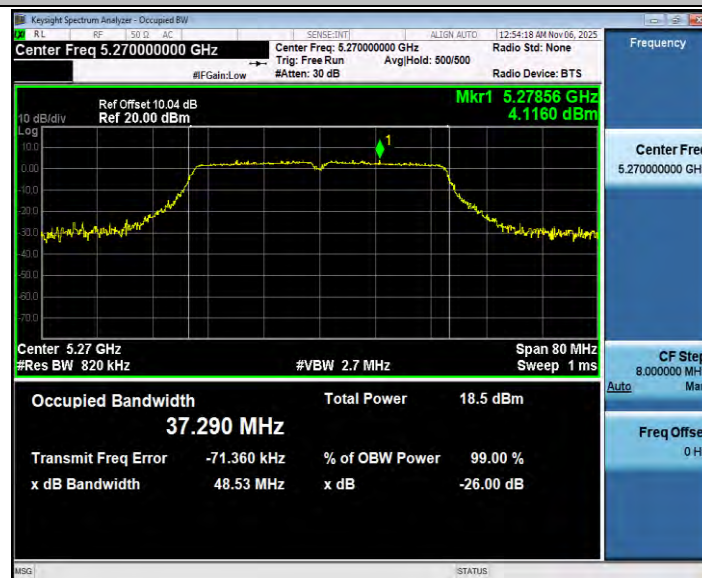
11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



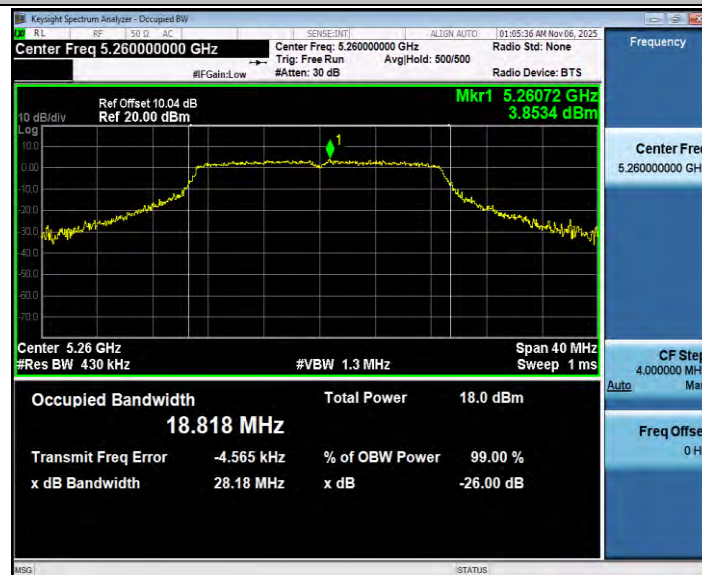
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



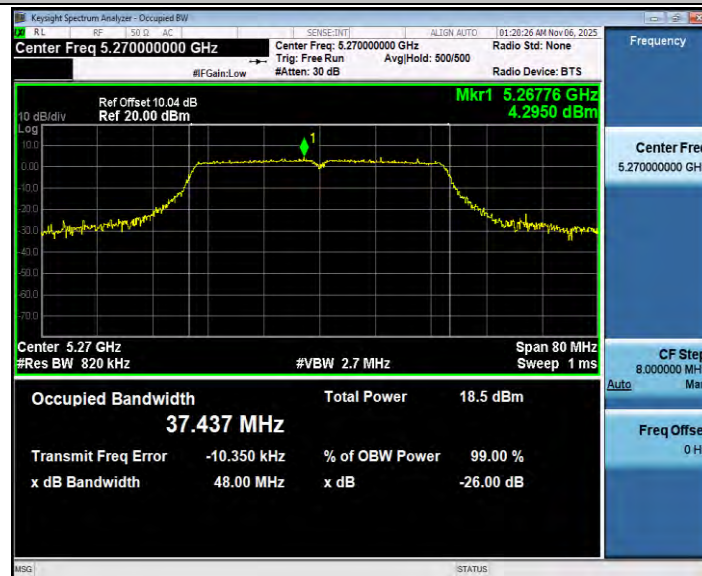
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



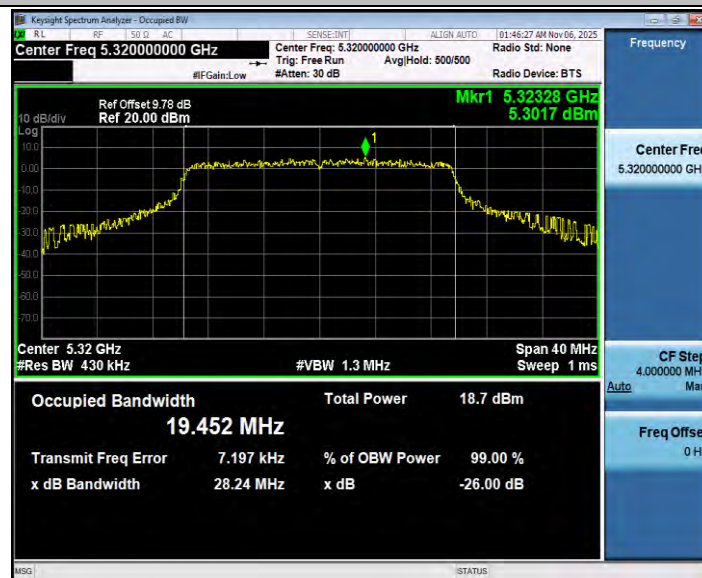
11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



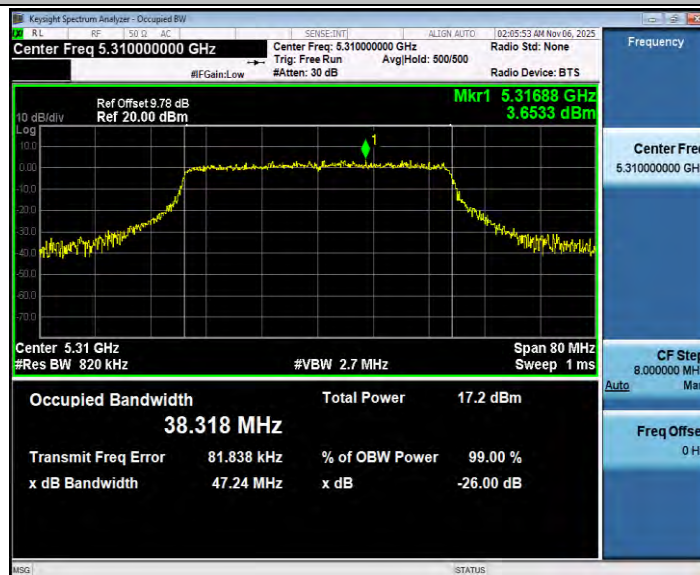
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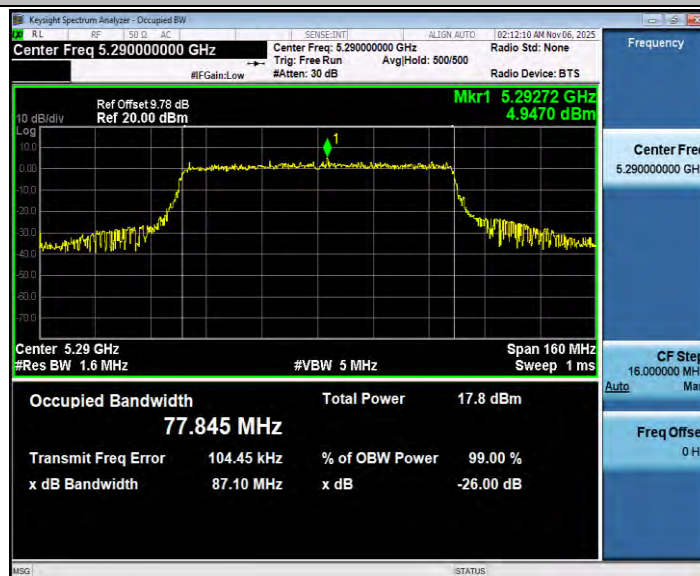
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290

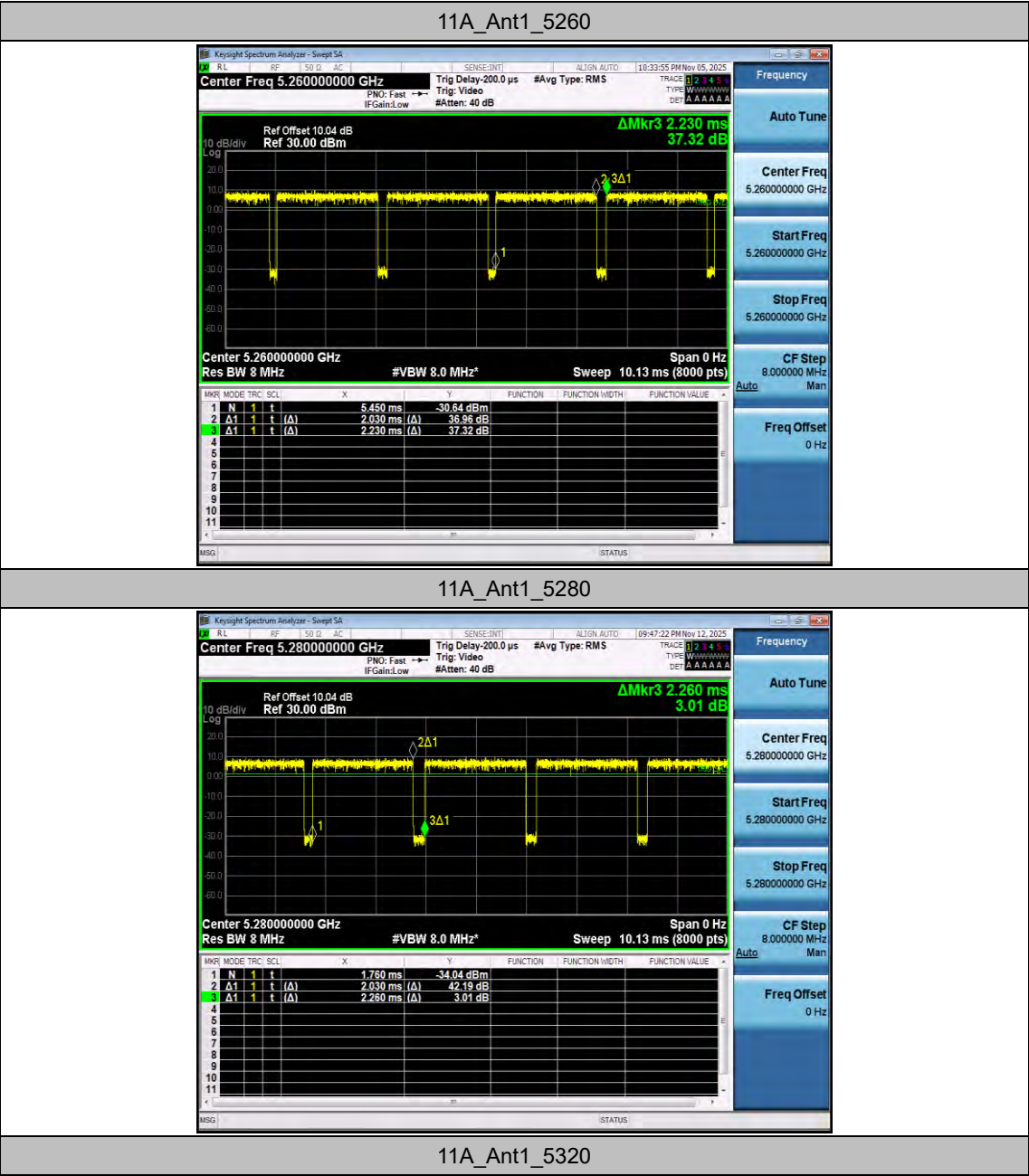


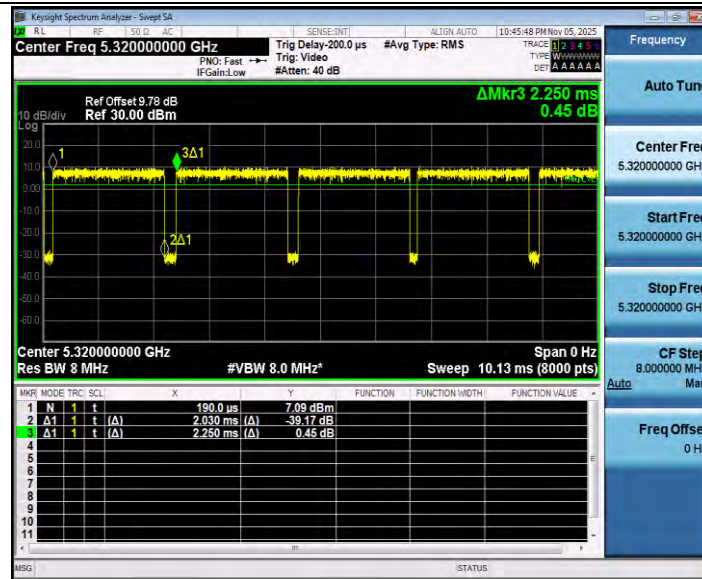
Appendix E.3: Duty Cycle

Test Result

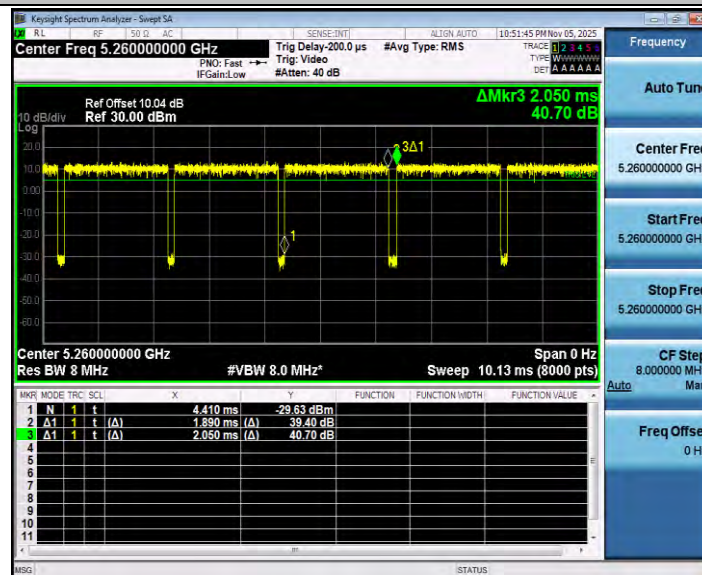
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	2.03	2.23	91.03	0.41	0.49
		5280	2.03	2.26	89.82	0.47	0.49
		5320	2.03	2.25	90.22	0.45	0.49
11N20SISO	Ant1	5260	1.89	2.05	92.20	0.35	0.53
		5280	1.89	2.07	91.30	0.40	0.53
		5320	1.90	2.02	94.06	0.27	0.53
11N40SISO	Ant1	5270	0.94	1.15	81.74	0.88	1.06
		5310	0.93	1.10	84.55	0.73	1.08
11AC20SISO	Ant1	5260	1.90	2.12	89.62	0.48	0.53
		5280	1.90	2.12	89.62	0.48	0.53
		5320	1.90	2.12	89.62	0.48	0.53
11AC40SISO	Ant1	5270	0.94	1.09	86.24	0.64	1.06
		5310	0.94	1.11	84.68	0.72	1.06
11AC80SISO	Ant1	5290	0.45	0.69	65.22	1.86	2.22
11AX20SISO	Ant1	5260	1.47	1.70	86.47	0.63	0.68
		5280	1.46	1.60	91.25	0.40	0.68
		5320	1.46	1.66	87.95	0.56	0.68
11AX40SISO	Ant1	5270	0.77	0.99	77.78	1.09	1.30
		5310	0.76	0.94	80.85	0.92	1.32
11AX80SISO	Ant1	5290	0.40	0.63	63.49	1.97	2.50

Test Graphs

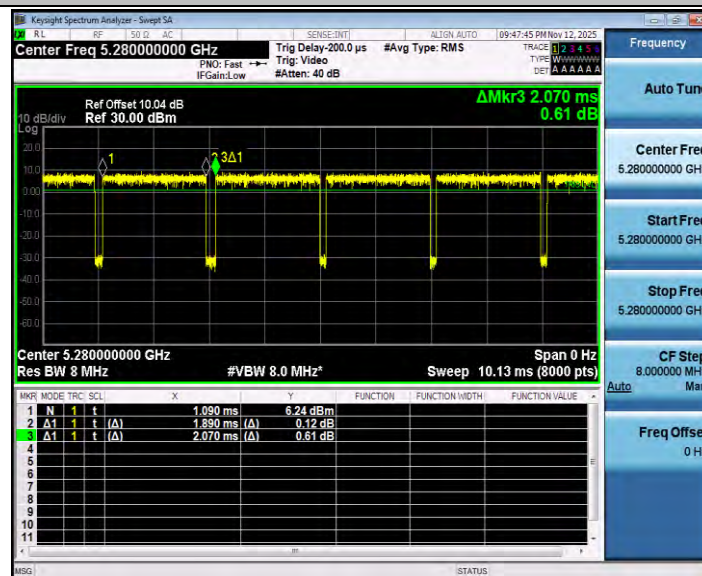




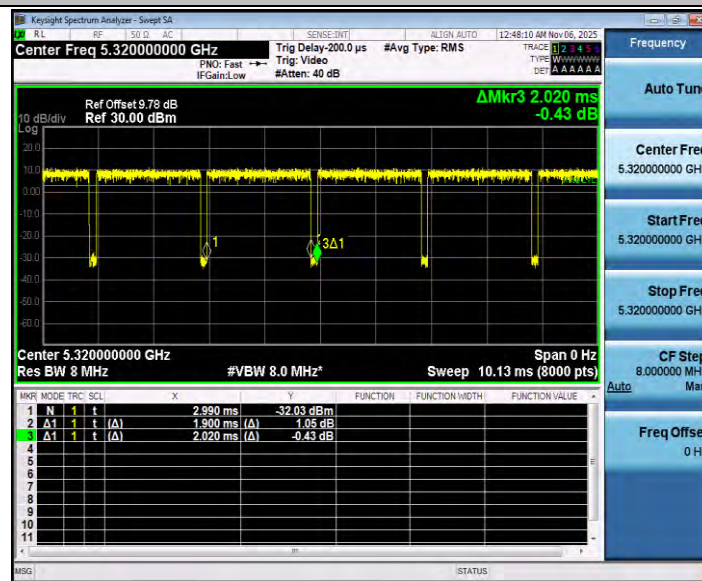
11N20SISO_Ant1_5260



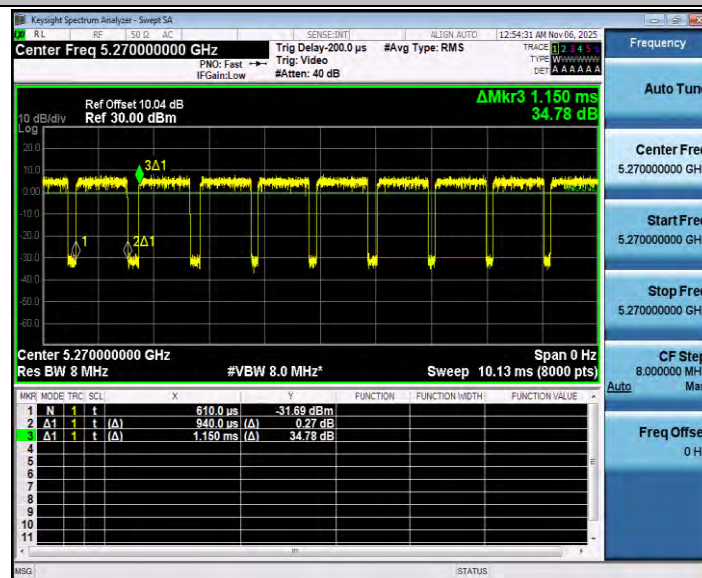
11N20SISO_Ant1_5280



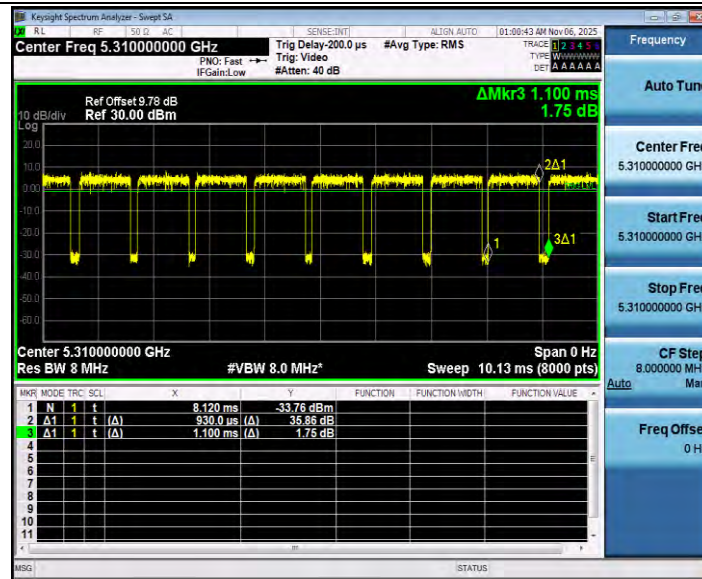
11N20SISO_Ant1_5320



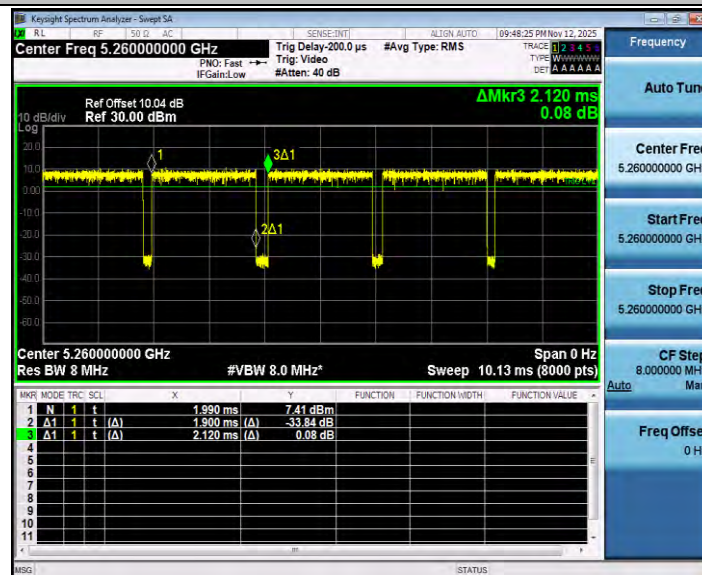
11N40SISO_Ant1_5270



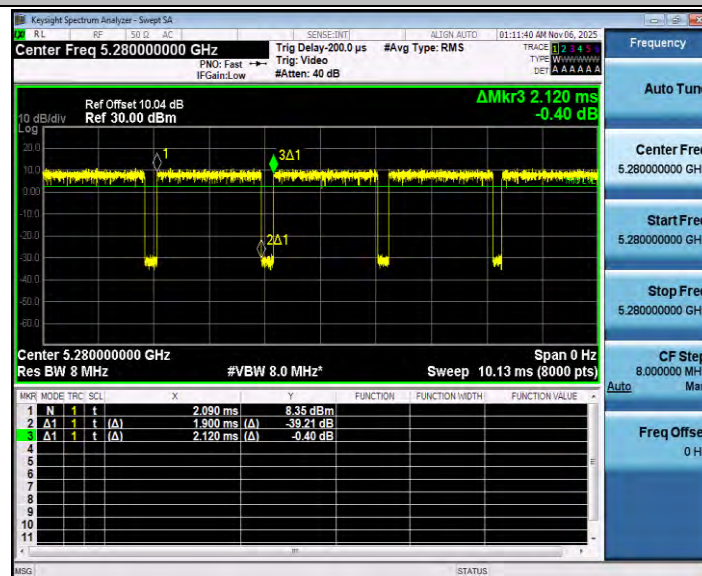
11N40SISO_Ant1_5310



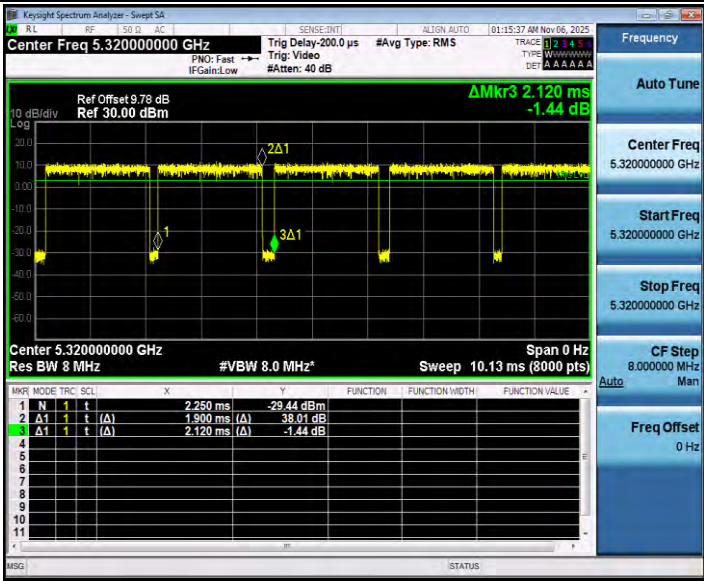
11AC20SISO_Ant1_5260



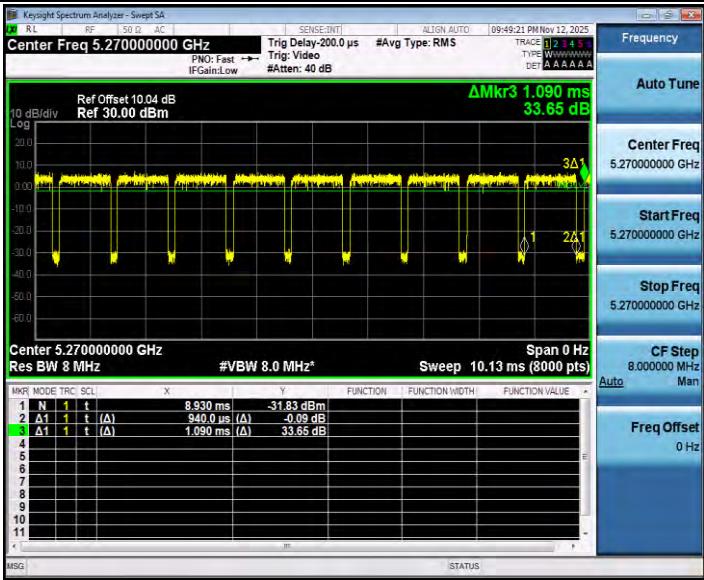
11AC20SISO_Ant1_5280



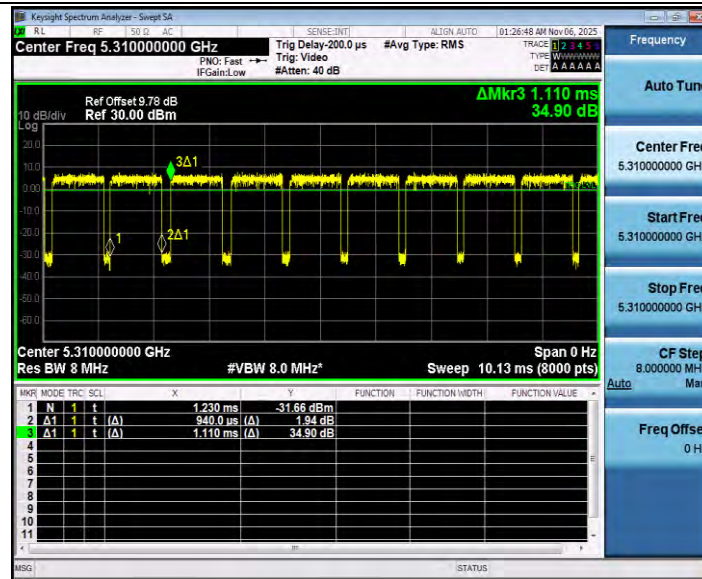
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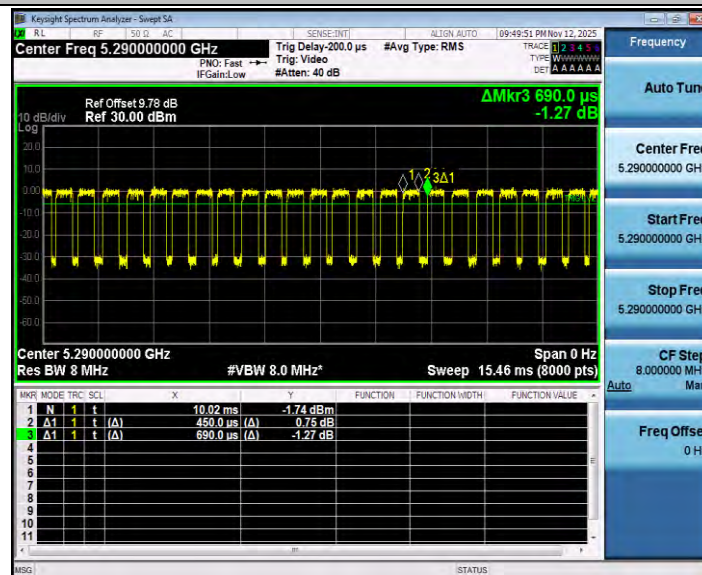
11AC40SISO_Ant1_5270



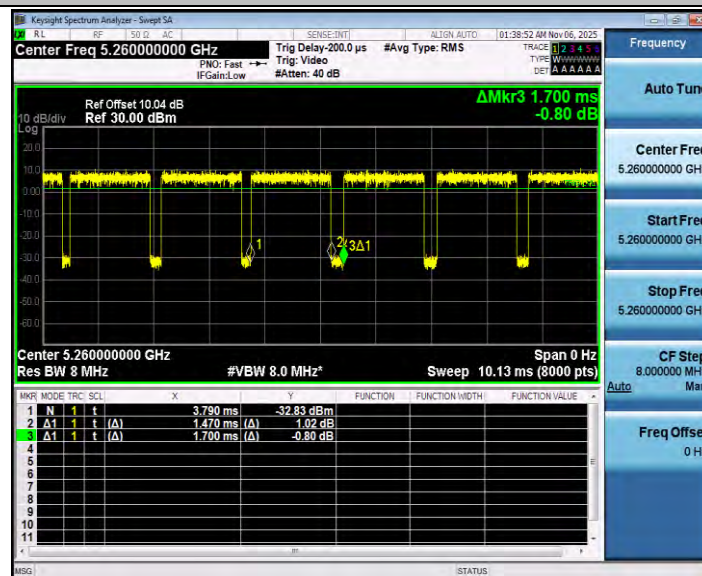
11AC40SISO_Ant1_5310

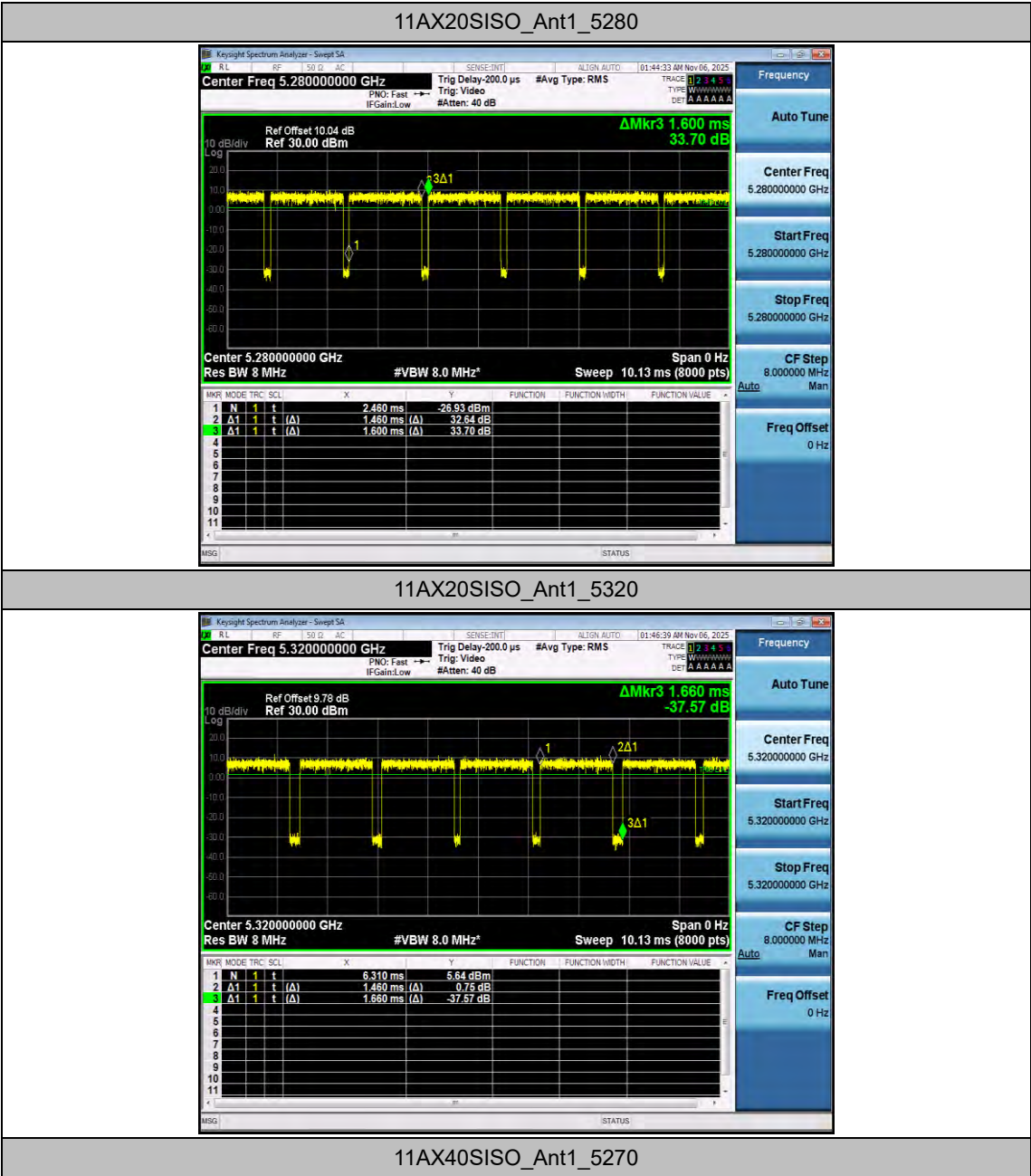


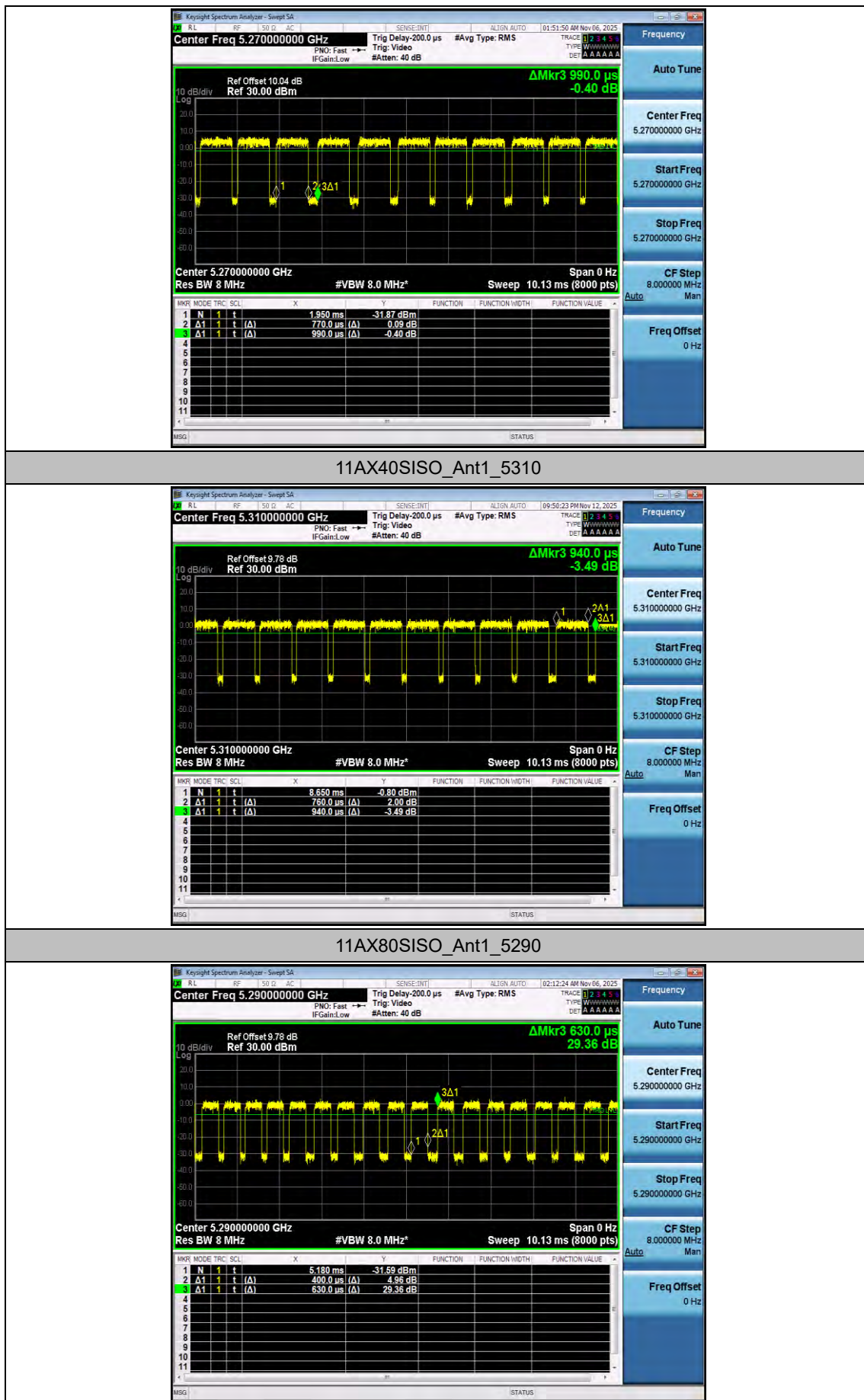
11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260







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	9.51	91.03	0.41	9.92	≤23.98	PASS
		5280	9.42	89.82	0.47	9.89	≤23.98	PASS
		5320	9.73	90.22	0.45	10.18	≤23.98	PASS
11N20SISO	Ant1	5260	13.17	92.20	0.35	13.52	≤23.98	PASS
		5280	11.18	91.30	0.40	11.58	≤23.98	PASS
		5320	11.05	94.06	0.27	11.32	≤23.98	PASS
11N40SISO	Ant1	5270	10.55	81.74	0.88	11.43	≤23.98	PASS
		5310	9.81	84.55	0.73	10.54	≤23.98	PASS
11AC20SISO	Ant1	5260	12.78	89.62	0.48	13.26	≤23.98	PASS
		5280	10.70	89.62	0.48	11.18	≤23.98	PASS
		5320	11.03	89.62	0.48	11.51	≤23.98	PASS
11AC40SISO	Ant1	5270	10.33	86.24	0.64	10.97	≤23.98	PASS
		5310	10.15	84.68	0.72	10.87	≤23.98	PASS
11AC80SISO	Ant1	5290	10.14	65.22	1.86	12.00	≤23.98	PASS
11AX20SISO	Ant1	5260	8.26	86.47	0.63	8.89	≤23.98	PASS
		5280	9.25	91.25	0.40	9.65	≤23.98	PASS
		5320	9.90	87.95	0.56	10.46	≤23.98	PASS
11AX40SISO	Ant1	5270	9.18	77.78	1.09	10.27	≤23.98	PASS
		5310	8.35	80.85	0.92	9.27	≤23.98	PASS
11AX80SISO	Ant1	5290	7.22	63.49	1.97	9.19	≤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	-1.15	≤11.00	PASS
		5280	-0.79	≤11.00	PASS
		5320	-0.52	≤11.00	PASS
11N20SISO	Ant1	5260	2.36	≤11.00	PASS
		5280	0.33	≤11.00	PASS
		5320	0.29	≤11.00	PASS
11N40SISO	Ant1	5270	-2.74	≤11.00	PASS
		5310	-3.22	≤11.00	PASS
11AC20SISO	Ant1	5260	2.02	≤11.00	PASS
		5280	-0.03	≤11.00	PASS
		5320	0.49	≤11.00	PASS
11AC40SISO	Ant1	5270	-3.01	≤11.00	PASS
		5310	-3.24	≤11.00	PASS
11AC80SISO	Ant1	5290	-4.96	≤11.00	PASS
11AX20SISO	Ant1	5260	-0.82	≤11.00	PASS
		5280	-1.36	≤11.00	PASS
		5320	-0.83	≤11.00	PASS
11AX40SISO	Ant1	5270	-4.23	≤11.00	PASS
		5310	-5.07	≤11.00	PASS
11AX80SISO	Ant1	5290	-8.39	≤11.00	PASS

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

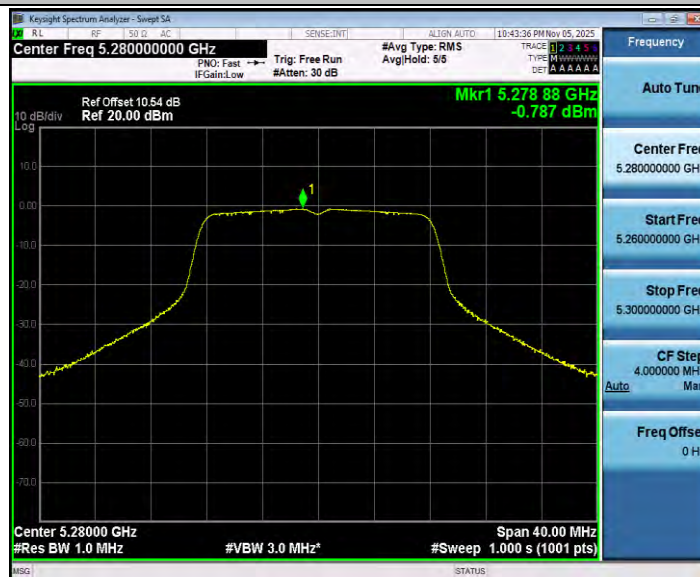
2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

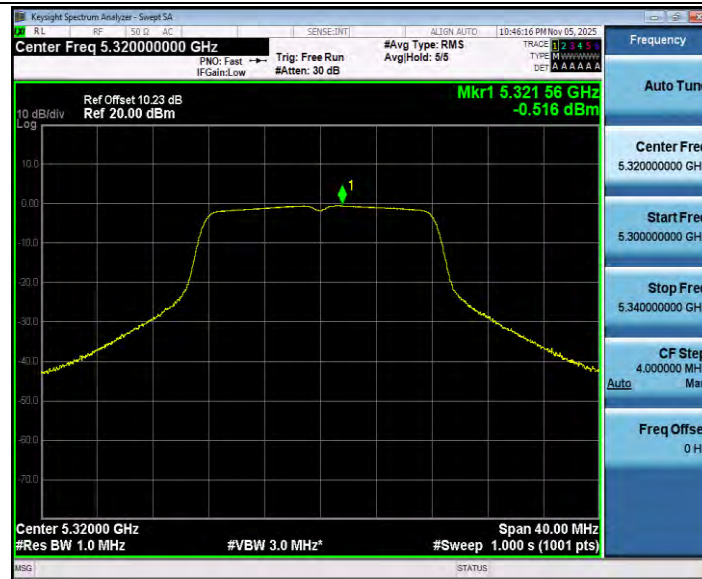
11A_Ant1_5260



11A_Ant1_5280



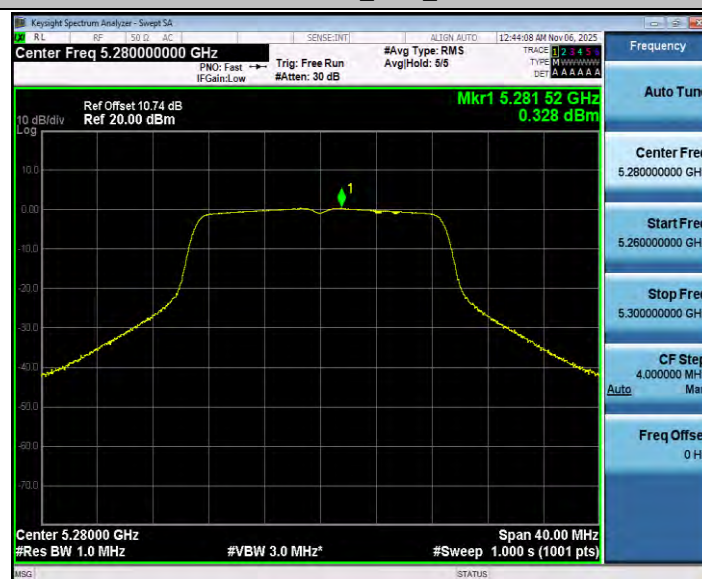
11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



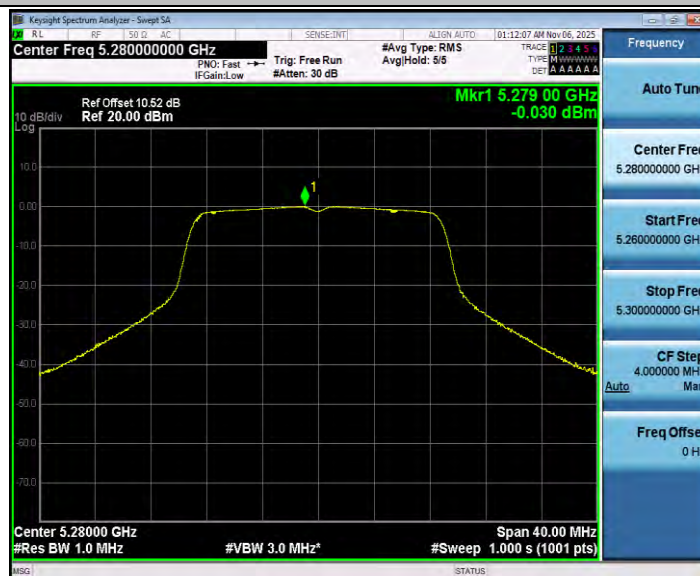
11N40SISO_Ant1_5310



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

