

Case No. : <u>GTS20231208004-1-52</u>	
Ambient Condition: <u>22</u> °C, <u>47</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2024.2.27</u>	Test Engineer: <u>Evan ouyang</u>

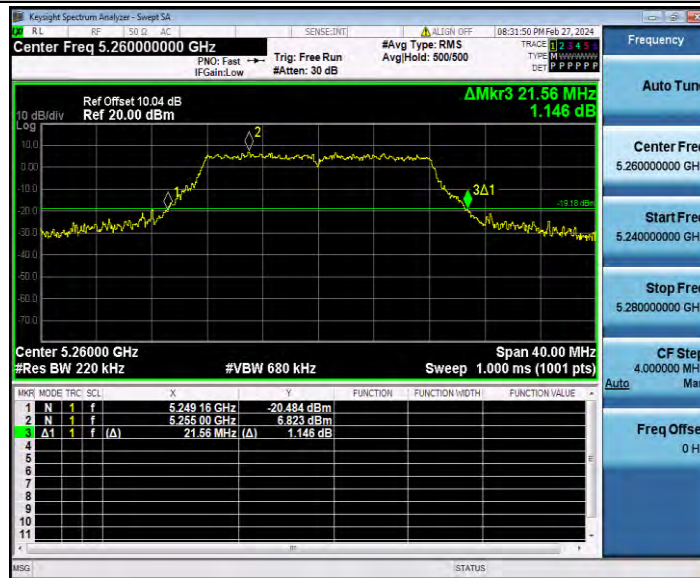
Appendix E.1: Emission Bandwidth

Test Result

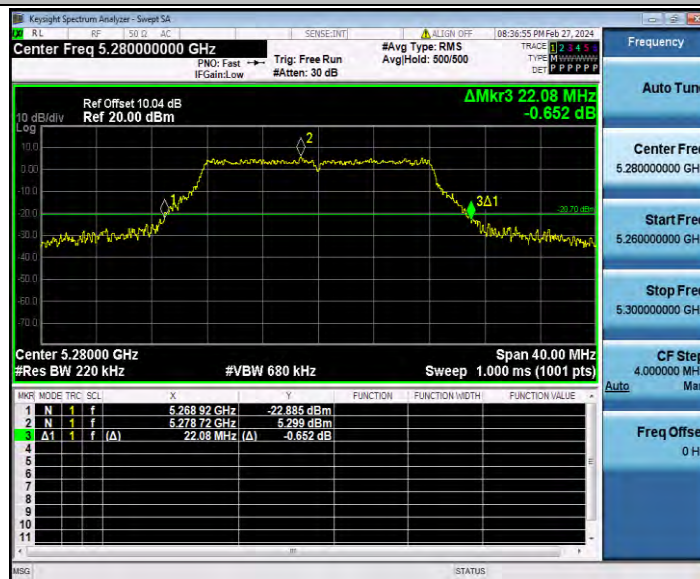
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	21.560	5249.160	5270.720	---	---
		5280	22.080	5268.920	5291.000	---	---
		5320	21.680	5309.160	5330.840	---	---
11N20SISO	Ant1	5260	22.080	5248.880	5270.960	---	---
		5280	22.160	5268.800	5290.960	---	---
		5320	21.840	5309.040	5330.880	---	---
11N40SISO	Ant1	5270	52.400	5238.000	5290.400	---	---
		5310	62.720	5280.000	5342.720	---	---
11AC20SISO	Ant1	5260	20.440	5249.720	5270.160	---	---
		5280	22.120	5269.040	5291.160	---	---
		5320	21.880	5309.080	5330.960	---	---
11AC40SISO	Ant1	5270	41.040	5249.280	5290.320	---	---
		5310	40.640	5289.840	5330.480	---	---
11AX20SISO	Ant1	5260	22.400	5248.800	5271.200	---	---
		5280	22.440	5268.600	5291.040	---	---
		5320	22.120	5308.960	5331.080	---	---
11AX40SISO	Ant1	5270	41.040	5249.520	5290.560	---	---
		5310	41.440	5289.440	5330.880	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



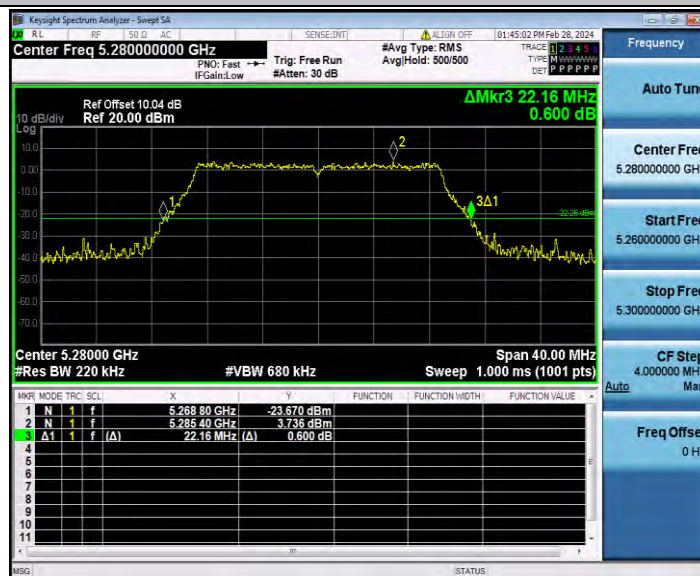
11A_Ant1_5320



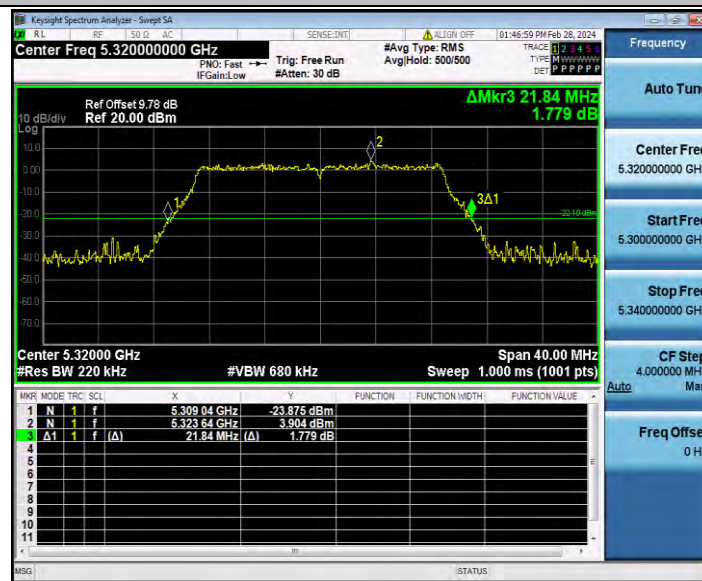
11N20SISO_Ant1_5260



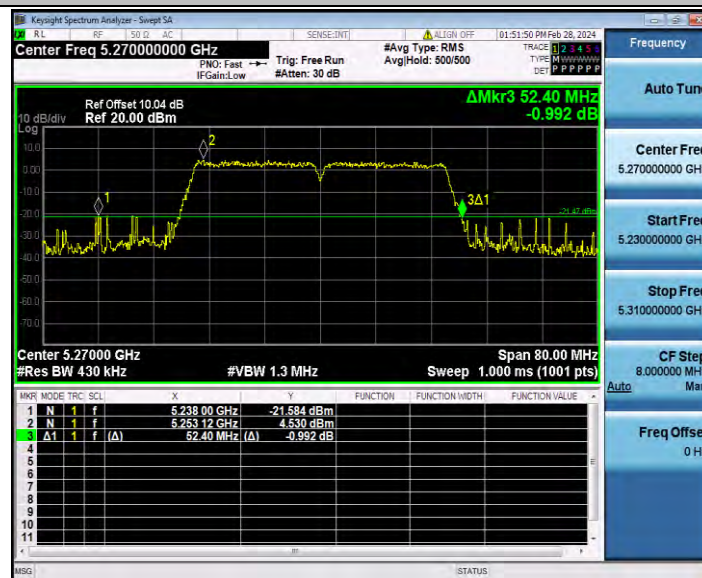
11N20SISO_Ant1_5280



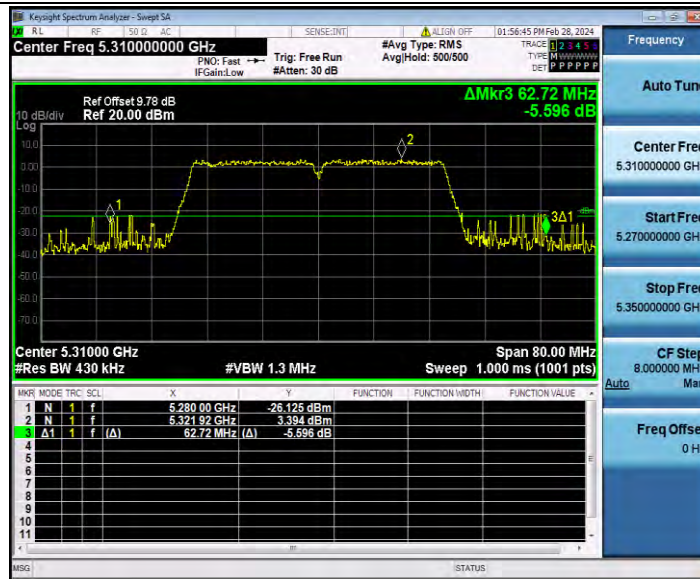
11N20SISO_Ant1_5320



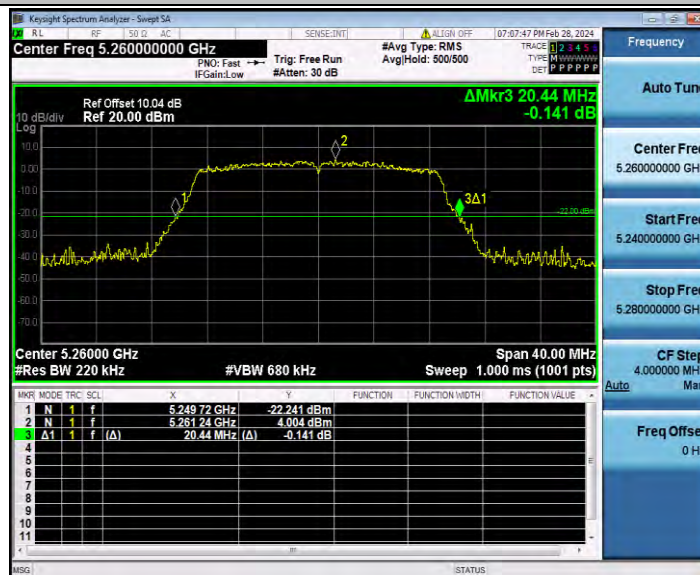
11N40SISO_Ant1_5270



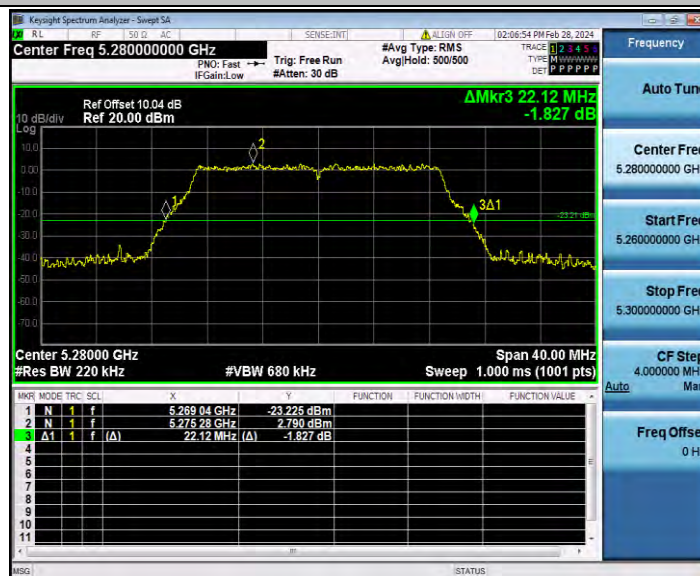
11N40SISO_Ant1_5310



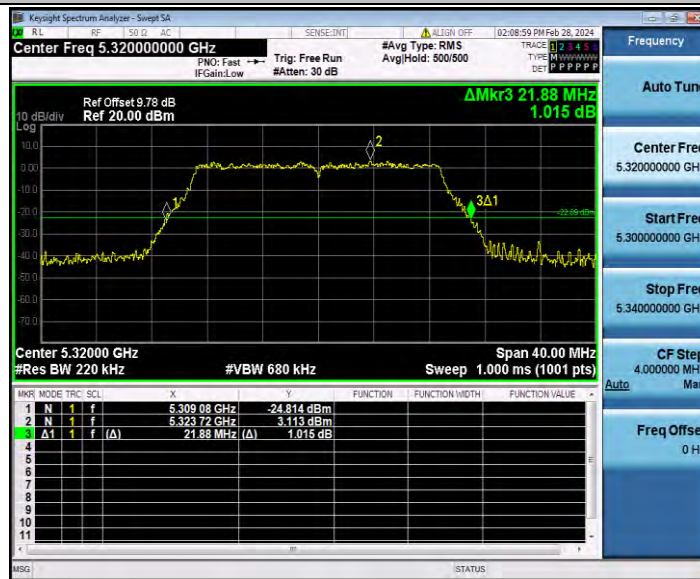
11AC20SISO_Ant1_5260



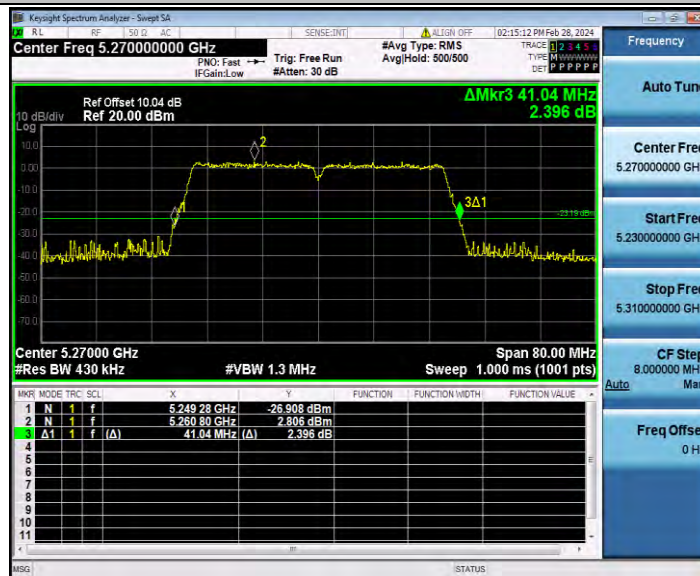
11AC20SISO_Ant1_5280



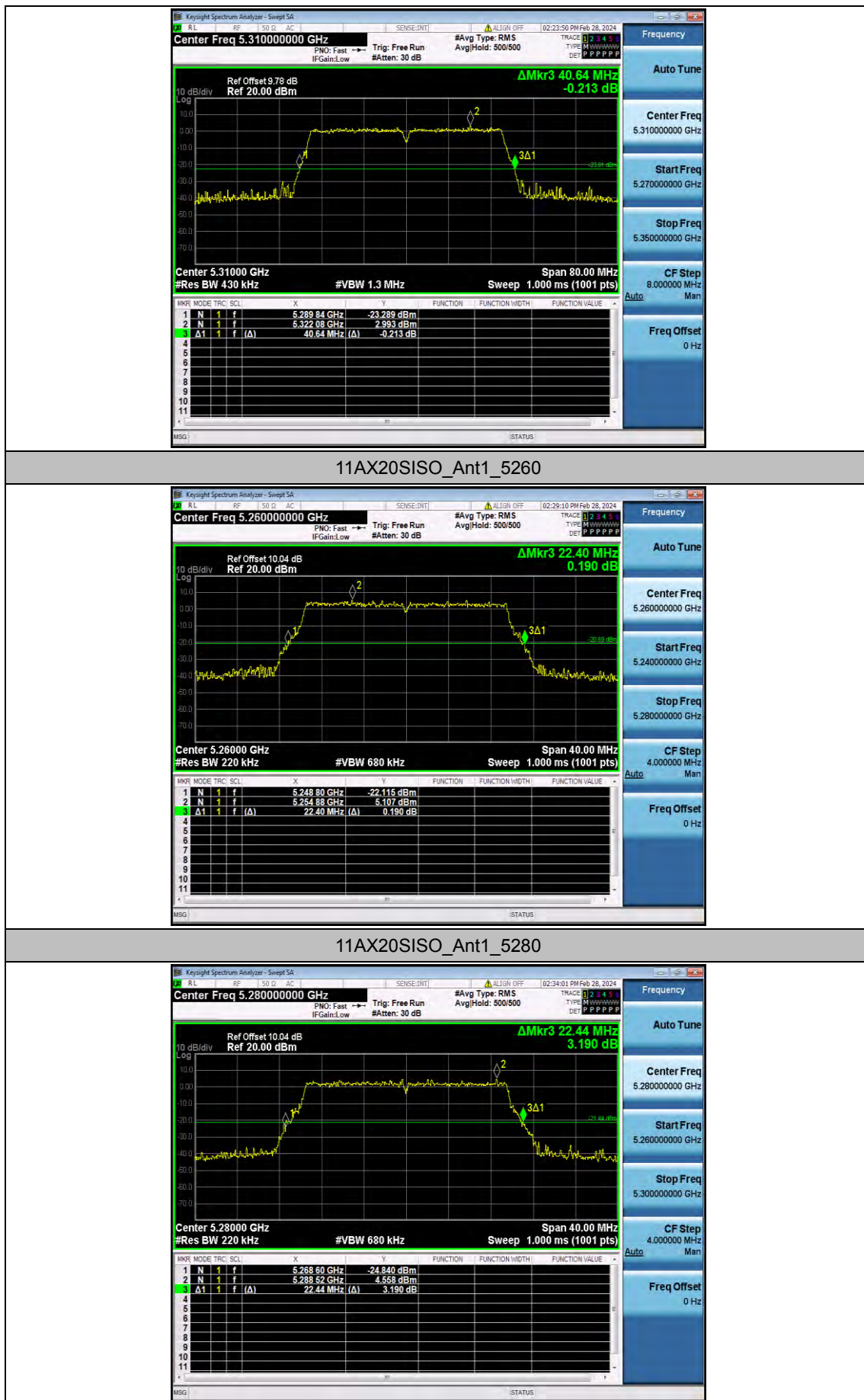
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



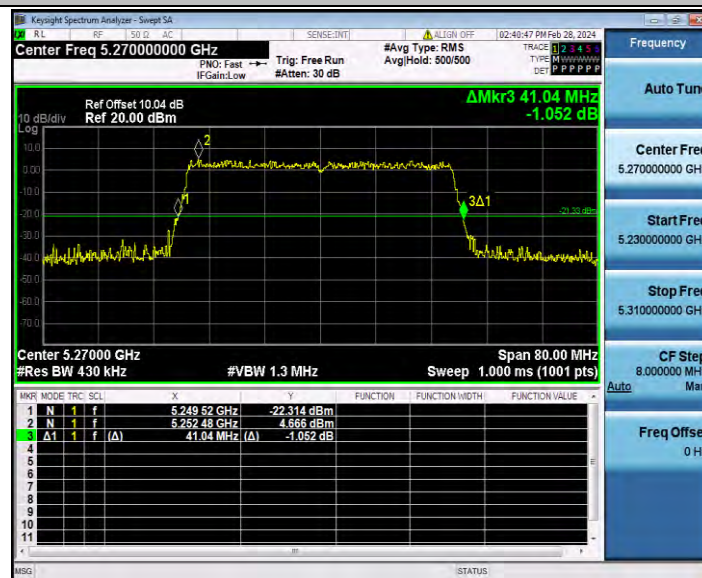
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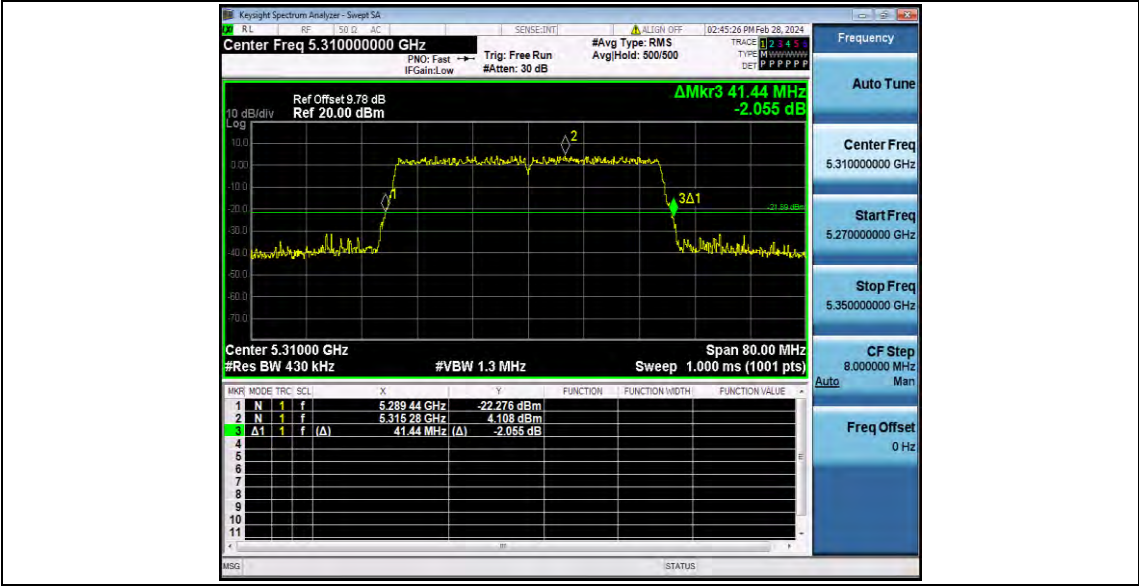
11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



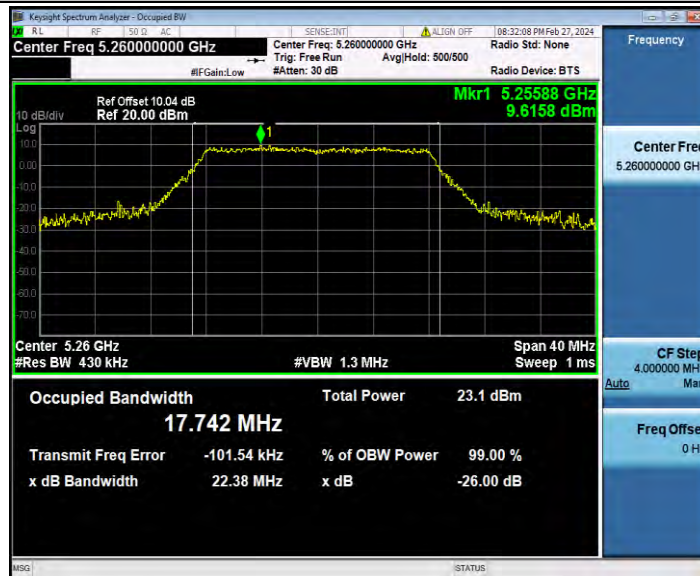
Appendix E.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	17.742	5251.0275	5268.7695	---	---
		5280	17.654	5271.1506	5288.8046	---	---
		5320	17.767	5311.1596	5328.9266	---	---
11N20SISO	Ant1	5260	18.544	5250.6388	5269.1828	---	---
		5280	18.568	5270.6731	5289.2411	---	---
		5320	18.524	5310.7400	5329.2640	---	---
11N40SISO	Ant1	5270	36.950	5251.4398	5288.3898	---	---
		5310	37.039	5291.5321	5328.5711	---	---
11AC20SISO	Ant1	5260	17.694	5251.1021	5268.7961	---	---
		5280	18.509	5270.7065	5289.2155	---	---
		5320	18.512	5310.7398	5329.2518	---	---
11AC40SISO	Ant1	5270	36.880	5251.5328	5288.4128	---	---
		5310	36.801	5291.6376	5328.4386	---	---
11AX20SISO	Ant1	5260	19.369	5250.2843	5269.6533	---	---
		5280	19.380	5270.2800	5289.6600	---	---
		5320	19.364	5310.3335	5329.6975	---	---
11AX40SISO	Ant1	5270	38.109	5250.9054	5289.0144	---	---
		5310	38.063	5290.9722	5329.0352	---	---

Test Graphs

11A_Ant1_5260



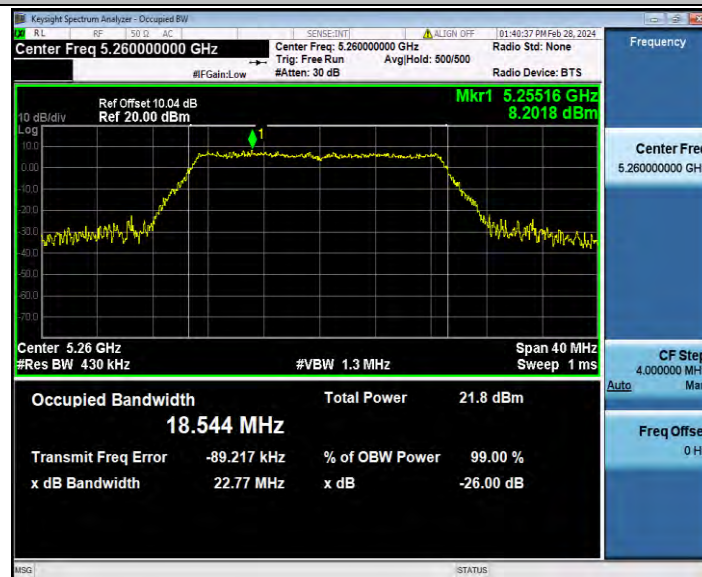
11A_Ant1_5280



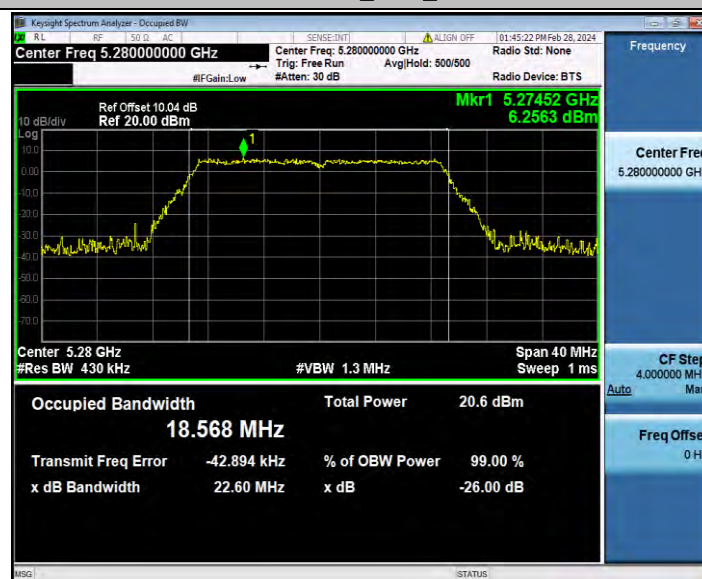
11A_Ant1_5320



11N20SISO_Ant1_5260



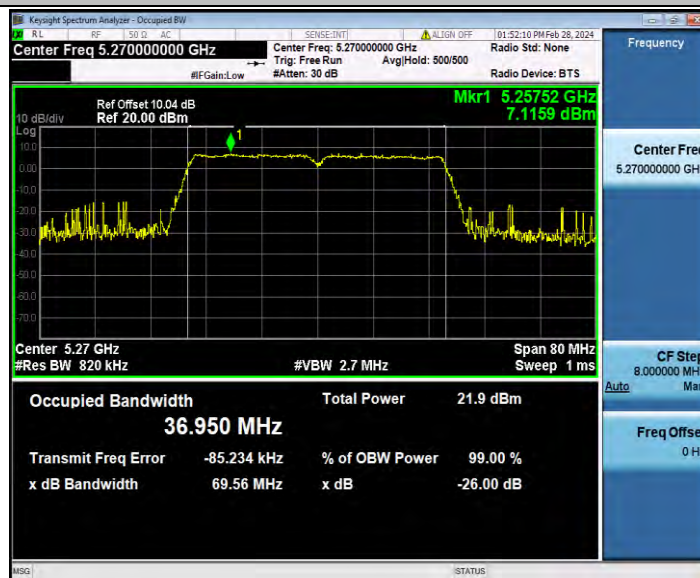
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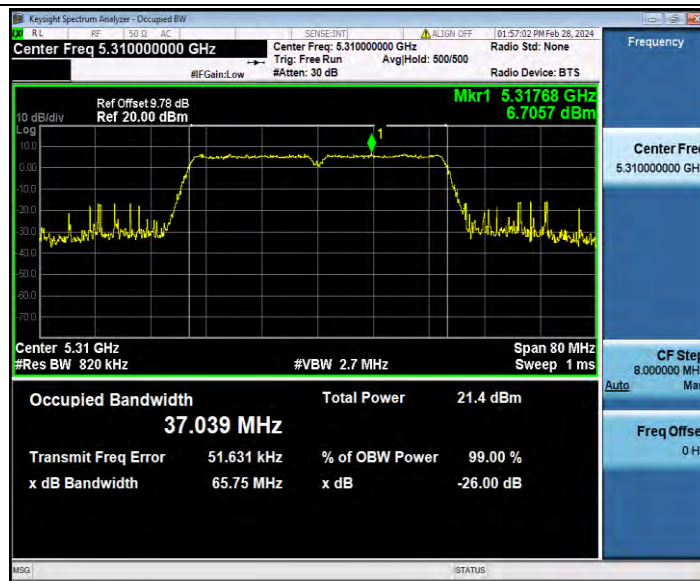
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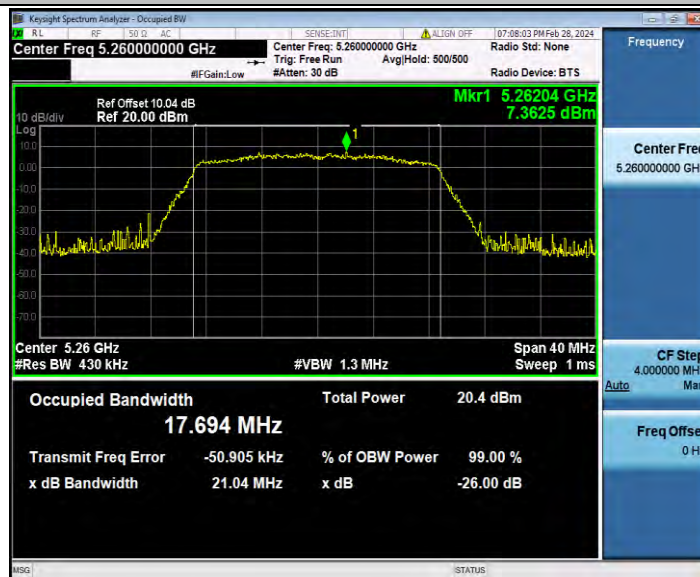
11N40SISO_Ant1_5270



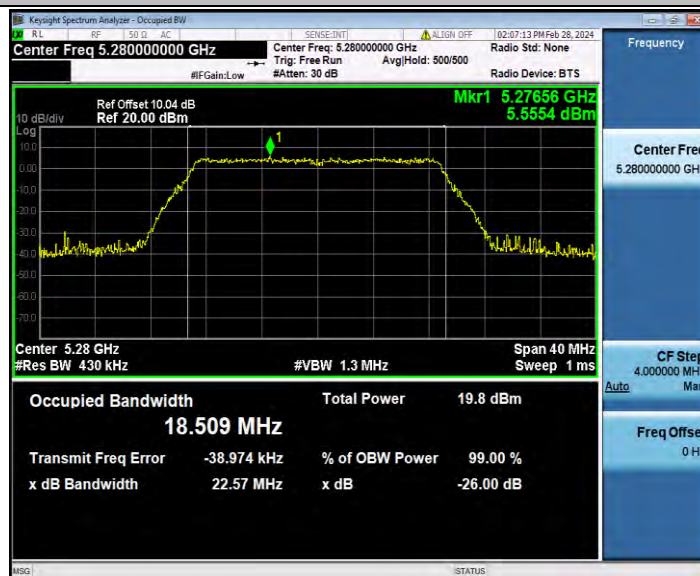
11N40SISO_Ant1_5310



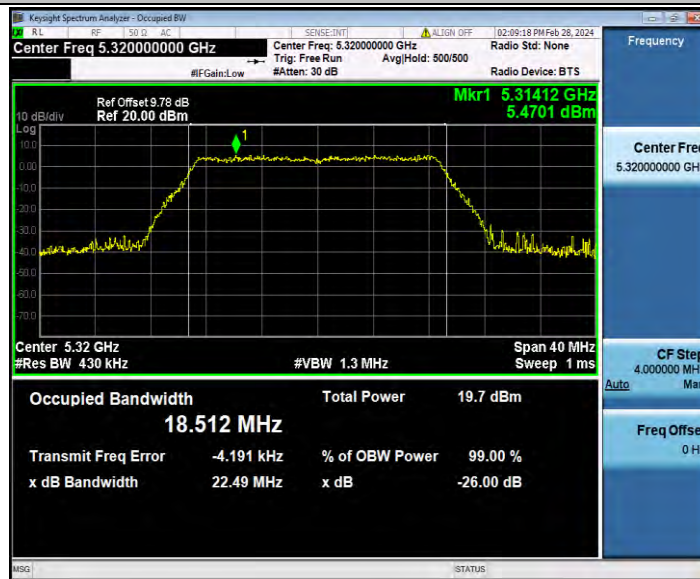
11AC20SISO_Ant1_5260



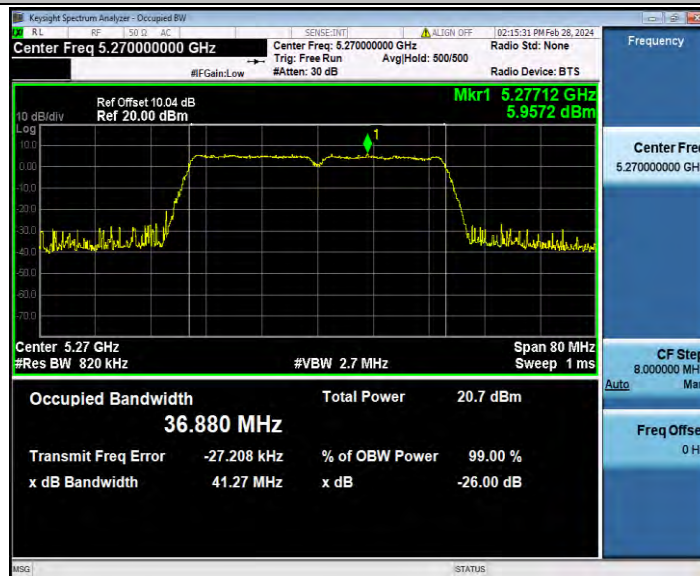
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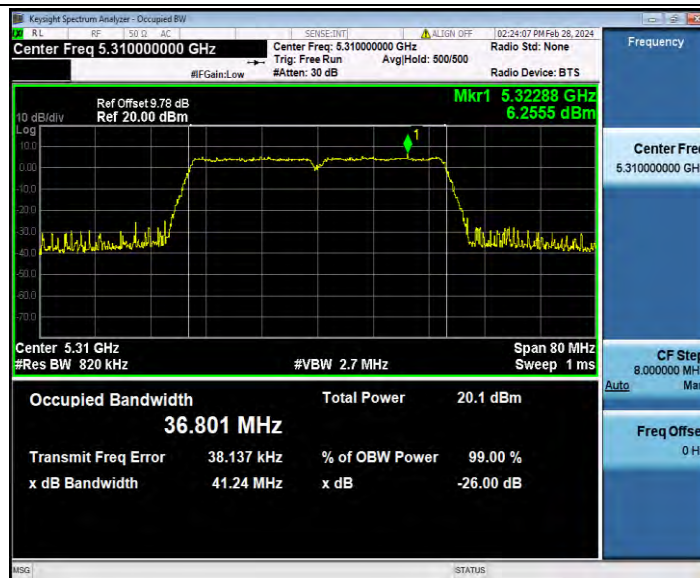
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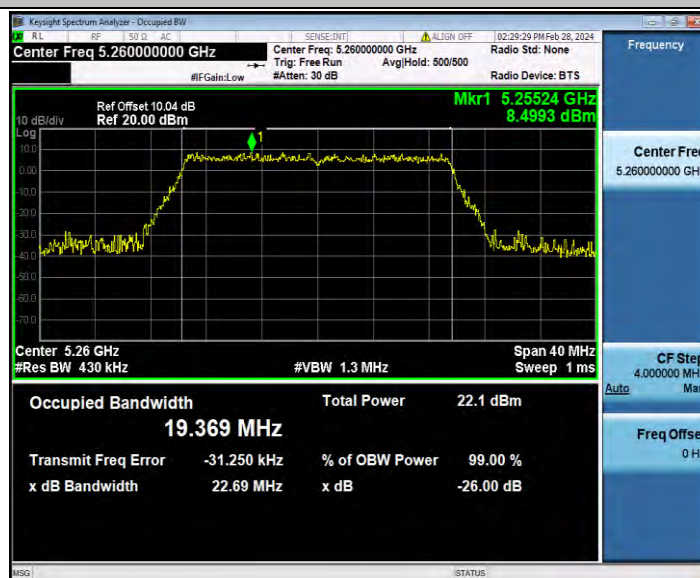
11AC40SISO_Ant1_5270



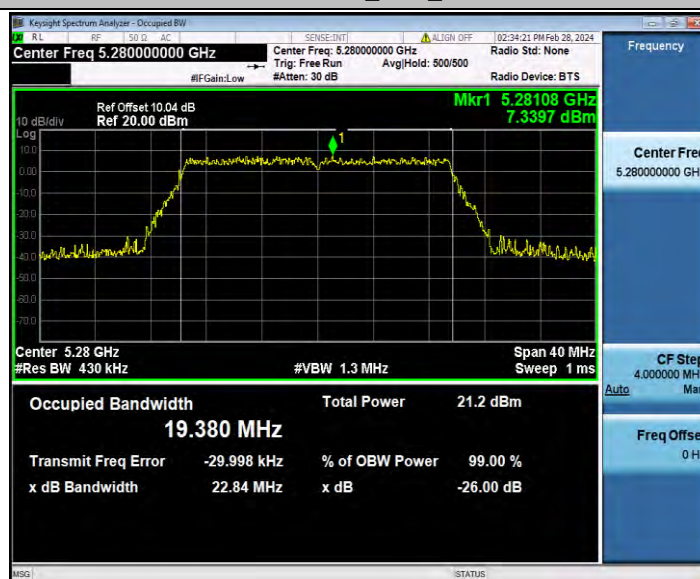
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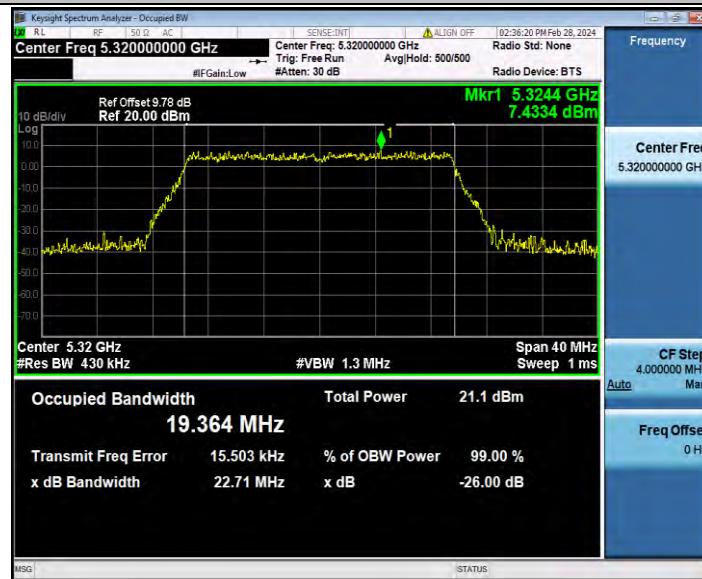
11AX20SISO_Ant1_5260



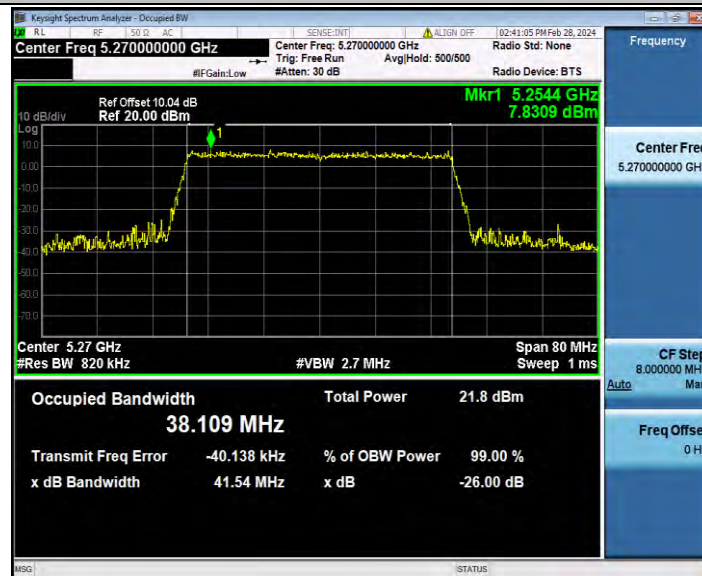
11AX20SISO_Ant1_5280



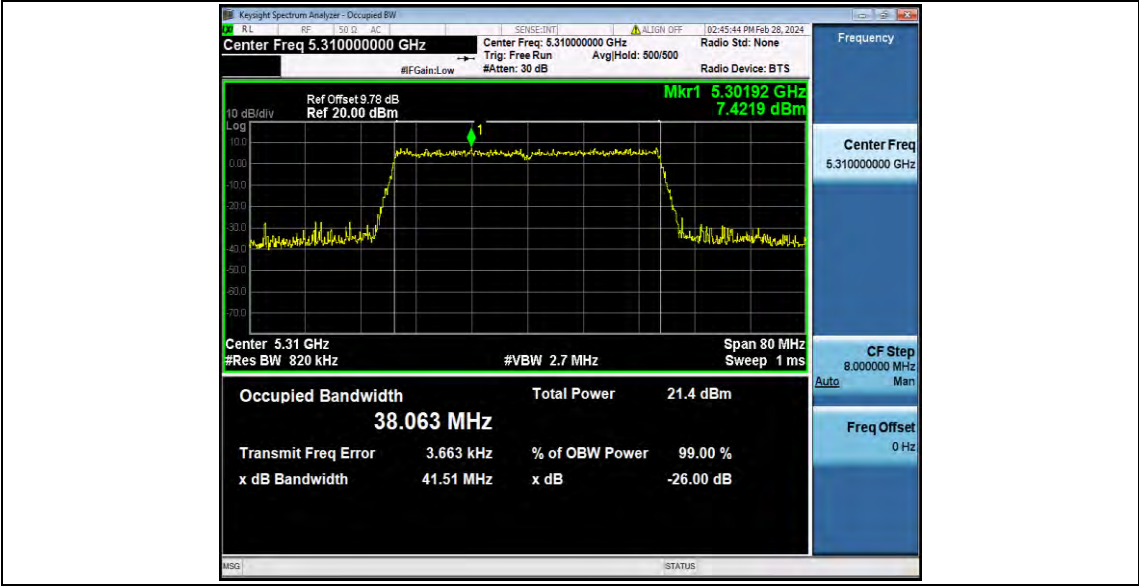
11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310

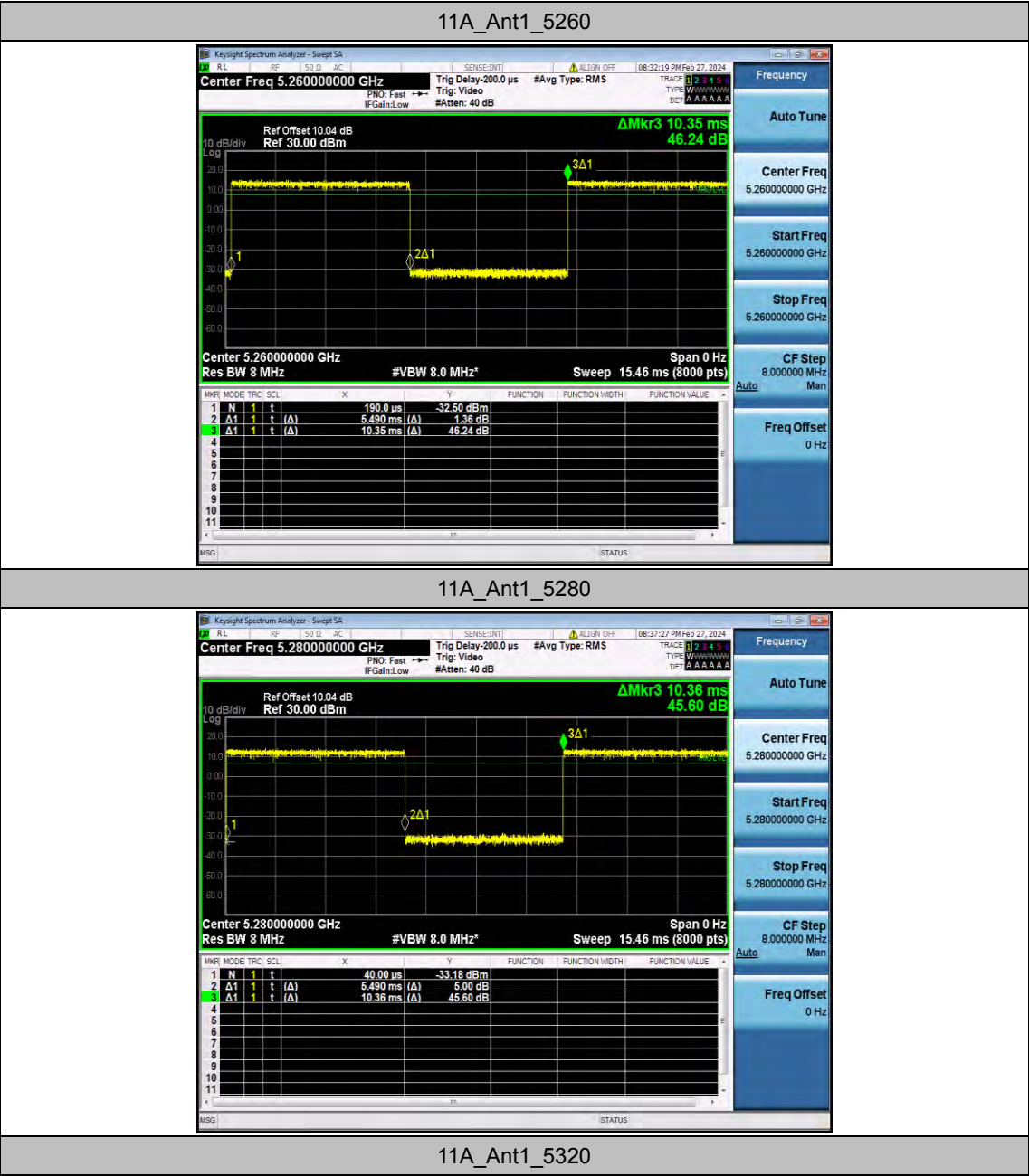


Appendix E.3: Duty Cycle

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	5.49	10.35	53.04	2.75	0.18
		5280	5.49	10.36	52.99	2.76	0.18
		5320	5.49	10.35	53.04	2.75	0.18
11N20SISO	Ant1	5260	5.37	10.34	51.93	2.85	0.19
		5280	5.37	10.35	51.88	2.85	0.19
		5320	5.38	10.35	51.98	2.84	0.19
11N40SISO	Ant1	5270	5.15	10.34	49.81	3.03	0.19
		5310	5.15	10.34	49.81	3.03	0.19
11AC20SISO	Ant1	5260	5.38	5.52	97.46	0.11	0.19
		5280	5.38	10.35	51.98	2.84	0.19
		5320	5.38	10.35	51.98	2.84	0.19
11AC40SISO	Ant1	5270	5.16	10.34	49.90	3.02	0.19
		5310	5.16	10.35	49.86	3.02	0.19
11AX20SISO	Ant1	5260	4.66	10.35	45.02	3.47	0.21
		5280	4.66	10.35	45.02	3.47	0.21
		5320	4.66	10.35	45.02	3.47	0.21
11AX40SISO	Ant1	5270	4.64	10.34	44.87	3.48	0.22
		5310	4.65	10.35	44.93	3.47	0.22

Test Graphs



11A_Ant1_5280

Frequency

Auto Tune

Center Freq
5.280000000 GHzStart Freq
5.280000000 GHzStop Freq
5.280000000 GHzCF Step
8.0000000 MHz

Auto

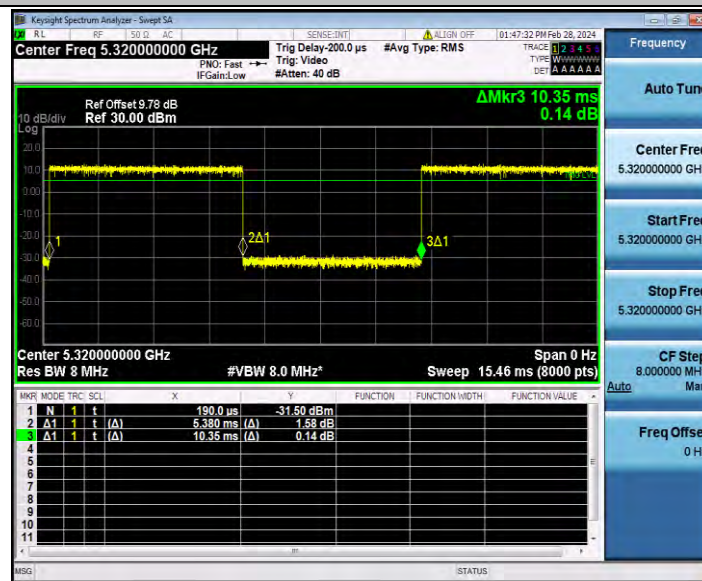
Man

Freq Offset
0 Hz

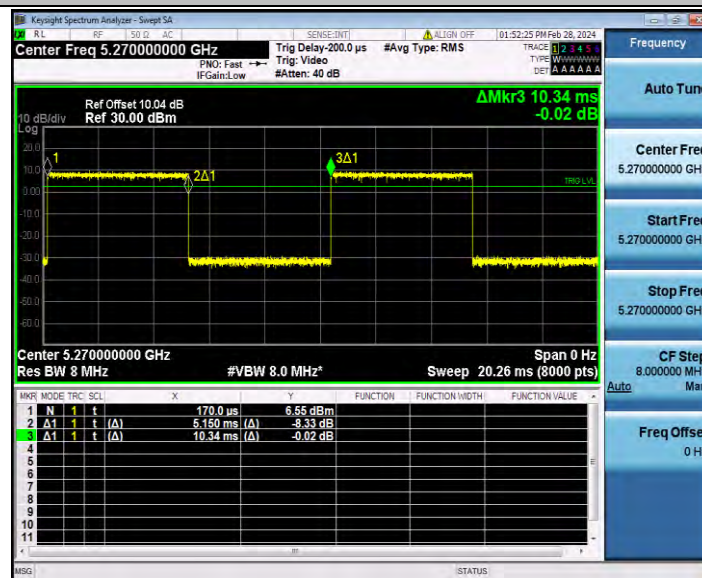
11A_Ant1_5320



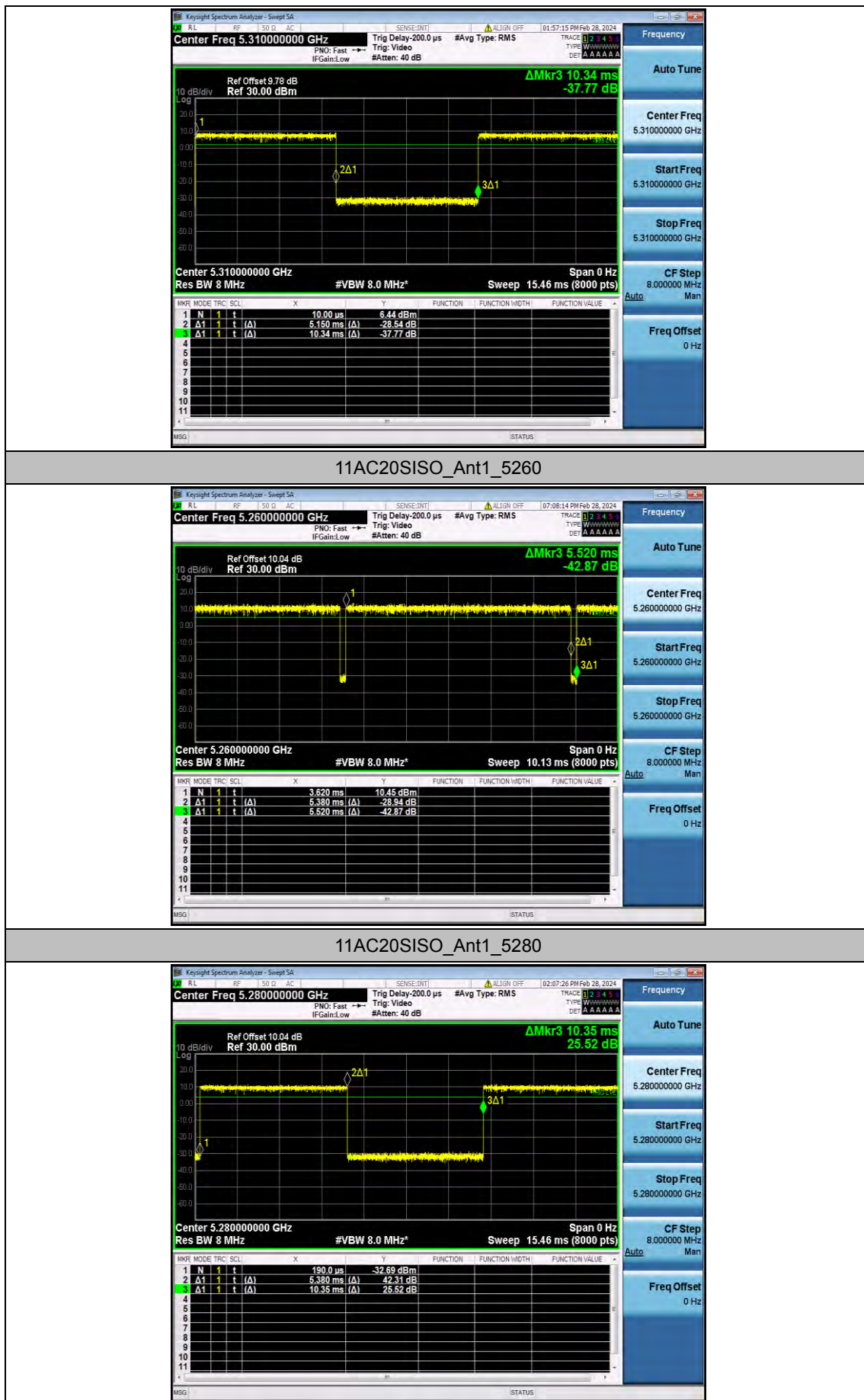
11N20SISO_Ant1_5320



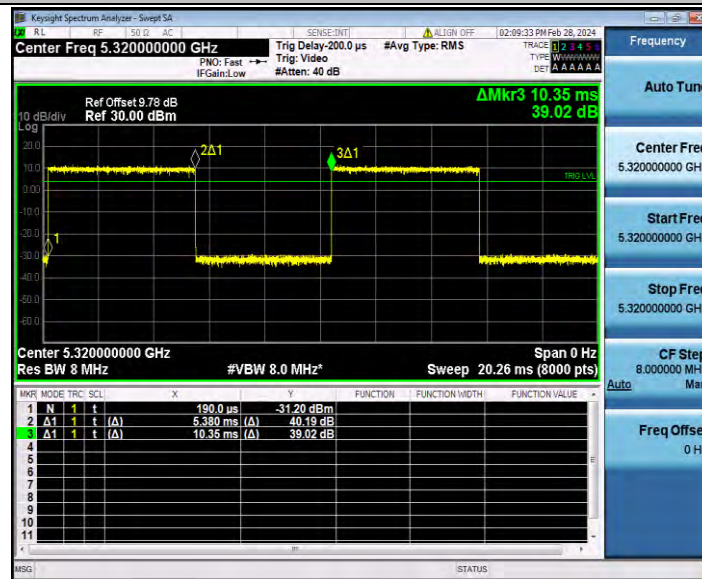
11N40SISO_Ant1_5270



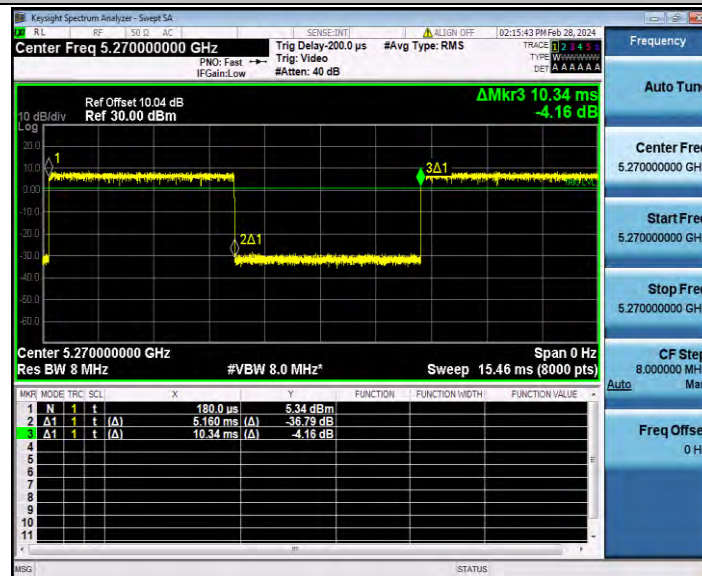
11N40SISO_Ant1_5310



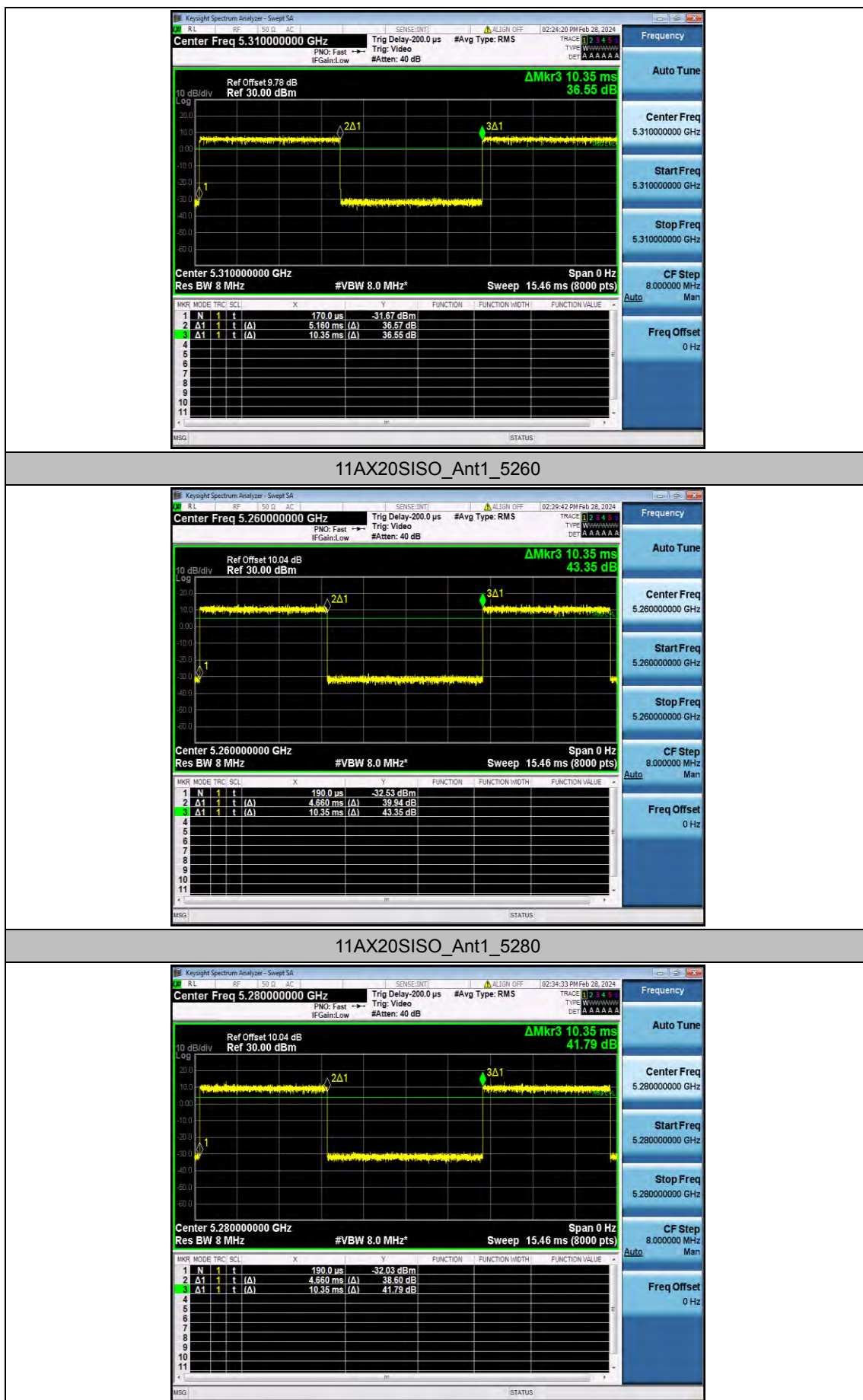
11AC20SISO_Ant1_5320



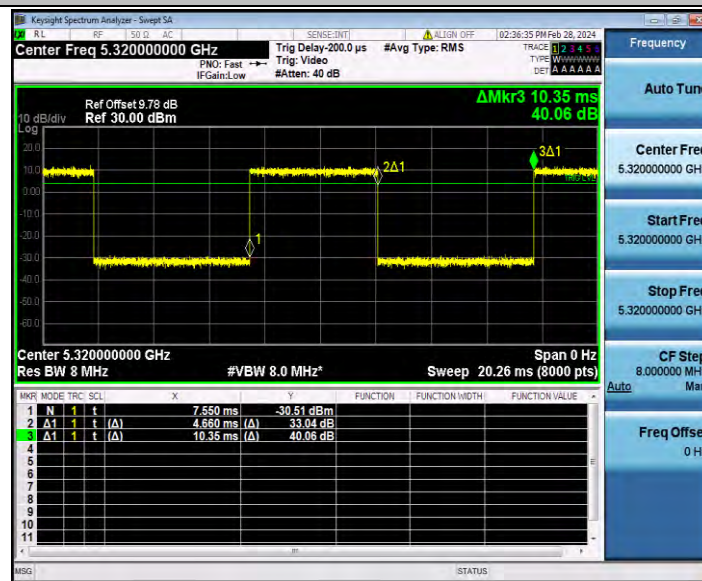
11AC40SISO_Ant1_5270



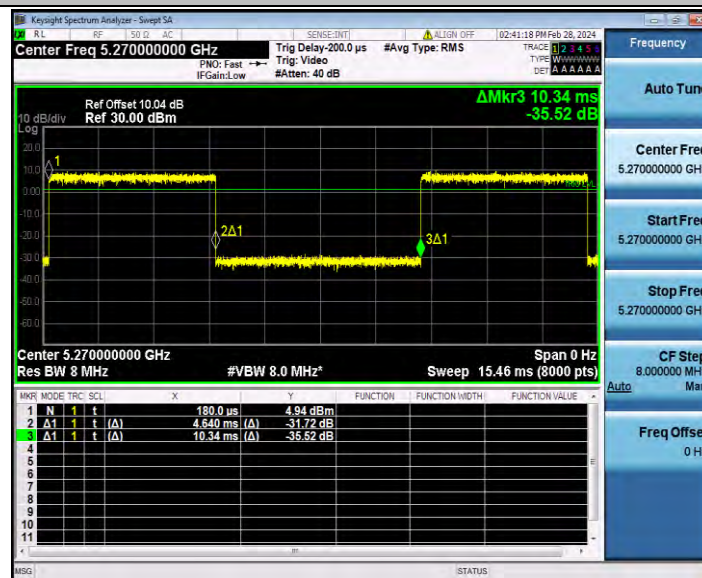
11AC40SISO_Ant1_5310



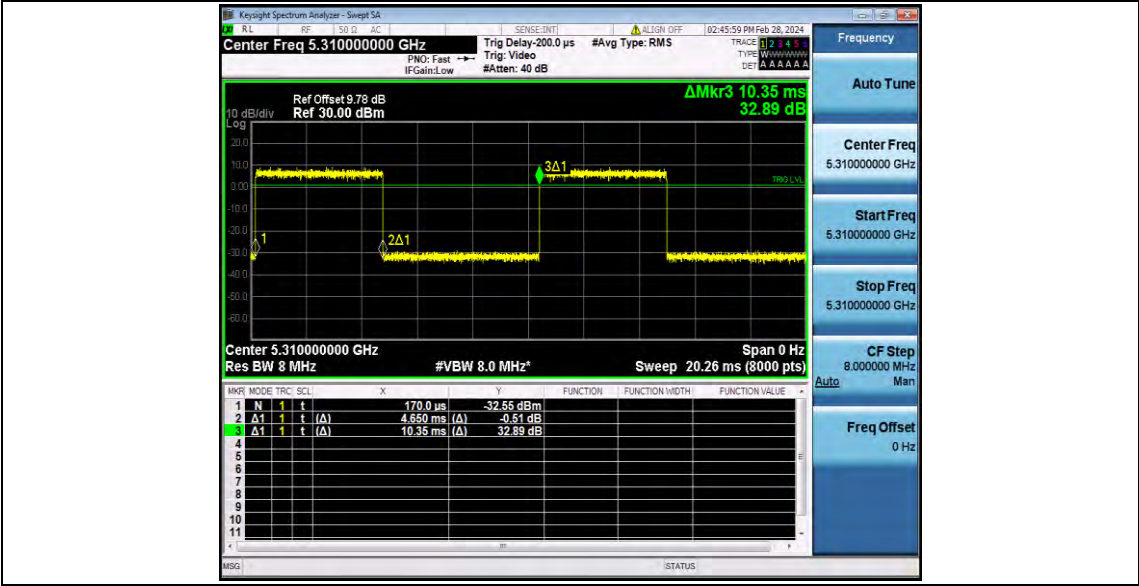
11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



Appendix E.4: Maximum conducted output power

Test Result

Test Mode	Antenna	Freq (MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5260	12.34	53.04	2.75	15.09	≤23.98	PASS
		5280	12.73	52.99	2.76	15.49	≤23.98	PASS
		5320	12.42	53.04	2.75	15.17	≤23.98	PASS
11N20 SISO	Ant1	5260	12.51	51.93	2.85	15.36	≤23.98	PASS
		5280	11.28	51.88	2.85	14.13	≤23.98	PASS
		5320	11.06	51.98	2.84	13.90	≤23.98	PASS
11N40 SISO	Ant1	5270	11.58	49.81	3.03	14.61	≤23.98	PASS
		5310	11.13	49.81	3.03	14.16	≤23.98	PASS
11AC20 SISO	Ant1	5260	13.47	97.46	0.11	13.58	≤23.98	PASS
		5280	10.45	51.98	2.84	13.29	≤23.98	PASS
		5320	10.32	51.98	2.84	13.16	≤23.98	PASS
11AC40 SISO	Ant1	5270	10.51	49.90	3.02	13.53	≤23.98	PASS
		5310	9.78	49.86	3.02	12.80	≤23.98	PASS
11AX20 SISO	Ant1	5260	10.98	45.02	3.47	14.45	≤23.98	PASS
		5280	9.76	45.02	3.47	13.23	≤23.98	PASS
		5320	10.06	45.02	3.47	13.53	≤23.98	PASS
11AX40 SISO	Ant1	5270	9.99	44.87	3.48	13.47	≤23.98	PASS
		5310	9.64	44.93	3.47	13.11	≤23.98	PASS

Note:

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

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5260	7.93	≤11.00	PASS
		5280	6.71	≤11.00	PASS
		5320	6.64	≤11.00	PASS
11N20SISO	Ant1	5260	6.54	≤11.00	PASS
		5280	5.16	≤11.00	PASS
		5320	5.34	≤11.00	PASS
11N40SISO	Ant1	5270	3.46	≤11.00	PASS
		5310	2.71	≤11.00	PASS
11AC20SISO	Ant1	5260	2.48	≤11.00	PASS
		5280	4.30	≤11.00	PASS
		5320	4.31	≤11.00	PASS
11AC40SISO	Ant1	5270	2.26	≤11.00	PASS
		5310	1.51	≤11.00	PASS
11AX20SISO	Ant1	5260	5.74	≤11.00	PASS
		5280	4.53	≤11.00	PASS
		5320	4.58	≤11.00	PASS
11AX40SISO	Ant1	5270	2.40	≤11.00	PASS
		5310	1.78	≤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



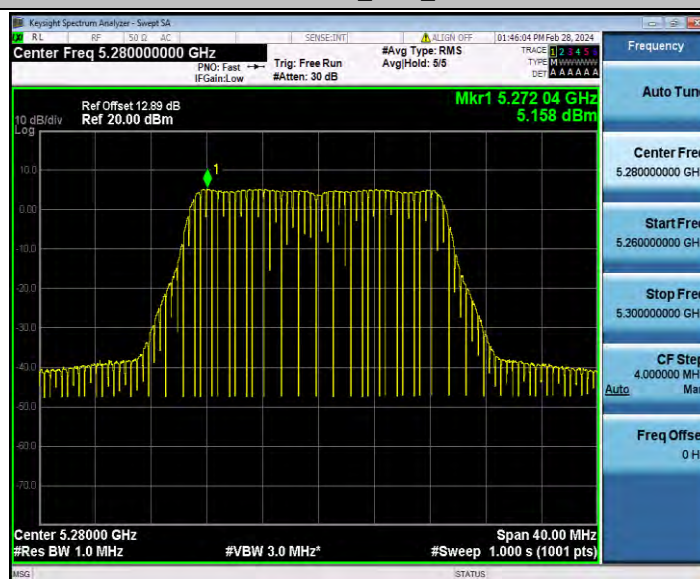
11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



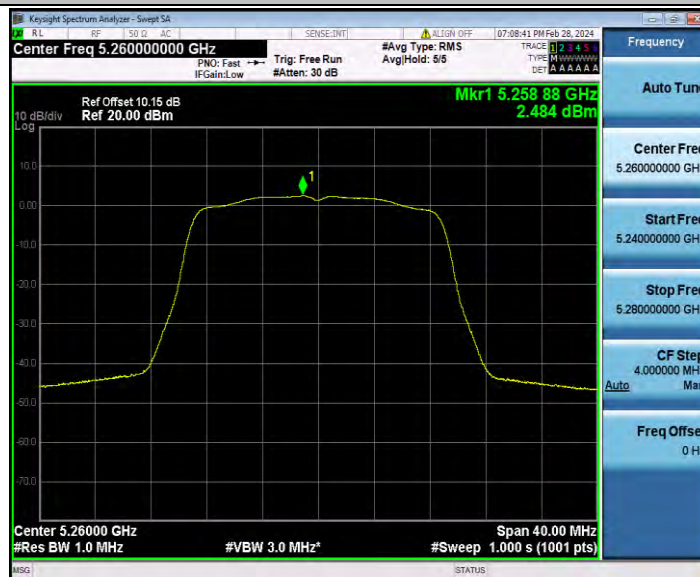
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310

