

Case No. : <u>GTS20241129021-2-05</u>	
Ambient Condition: <u>22</u> °C, <u>45</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.3.10</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	22.520	5249.240	5271.760	---	---
		5280	23.200	5268.240	5291.440	---	---
		5320	23.040	5308.240	5331.280	---	---
11N20SISO	Ant1	5260	23.640	5248.400	5272.040	---	---
		5280	23.360	5268.000	5291.360	---	---
		5320	23.560	5308.040	5331.600	---	---
11N40SISO	Ant1	5270	42.080	5249.040	5291.120	---	---
		5310	43.040	5288.000	5331.040	---	---
11AC20SISO	Ant1	5260	23.120	5248.600	5271.720	---	---
		5280	23.520	5268.240	5291.760	---	---
		5320	23.720	5307.840	5331.560	---	---
11AC40SISO	Ant1	5270	42.560	5248.560	5291.120	---	---
		5310	43.120	5288.480	5331.600	---	---
11AC80SISO	Ant1	5290	84.320	5247.120	5331.440	---	---
11AX20SISO	Ant1	5260	23.320	5248.320	5271.640	---	---
		5280	22.680	5268.720	5291.400	---	---
		5320	23.200	5308.320	5331.520	---	---
11AX40SISO	Ant1	5270	42.160	5248.800	5290.960	---	---
		5310	42.560	5288.960	5331.520	---	---
11AX80SISO	Ant1	5290	82.560	5248.560	5331.120	---	---

Test Graphs



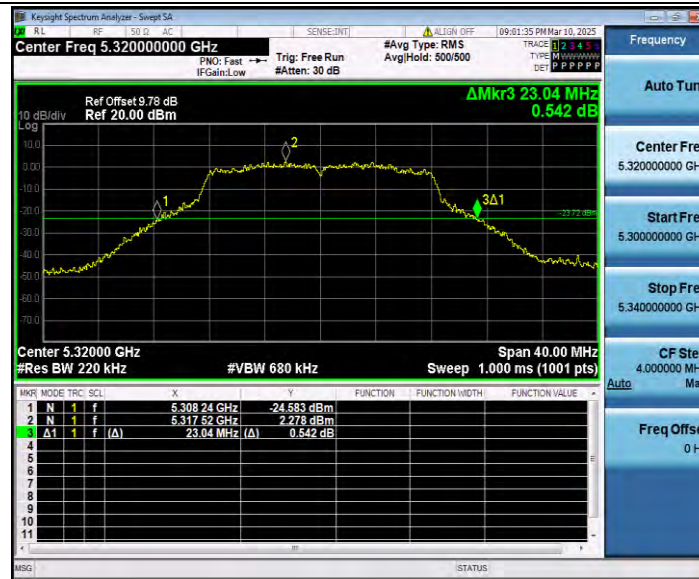
11A_Ant1_5280

Frequency

Auto Tune

Center Freq
5.280000000 GHzStart Freq
5.260000000 GHzStop Freq
5.300000000 GHzCF Step
4.000000 MHz
Auto ManFreq Offset
0 Hz

11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



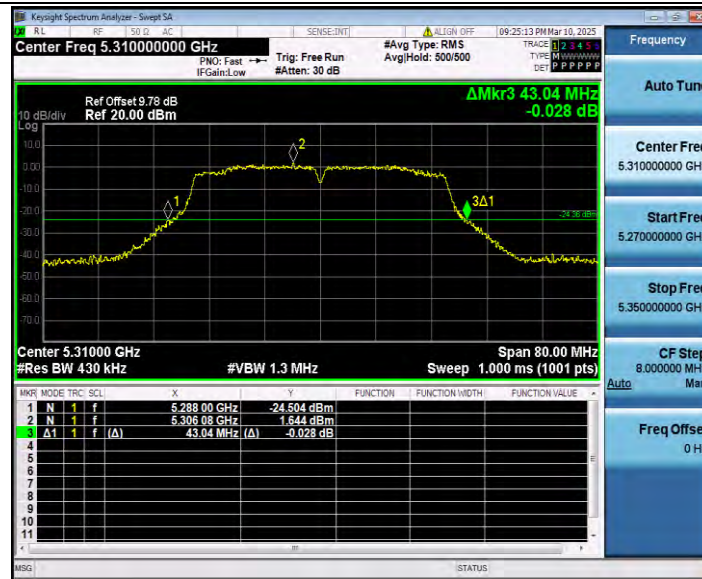
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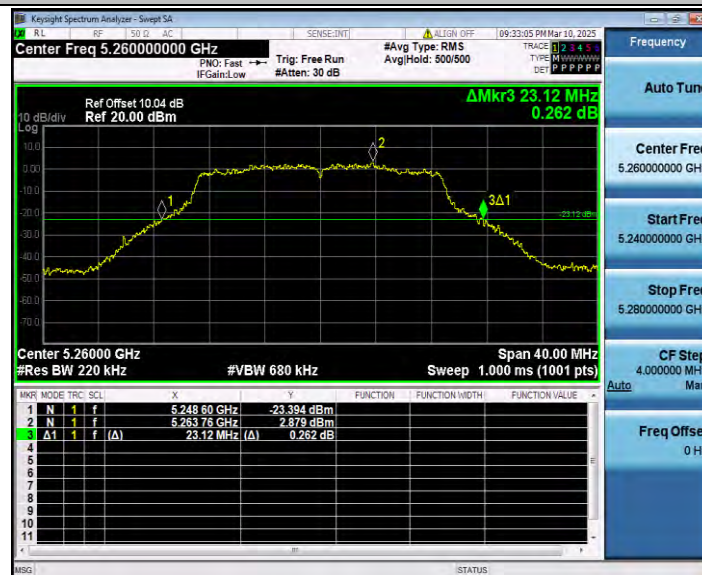
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5280



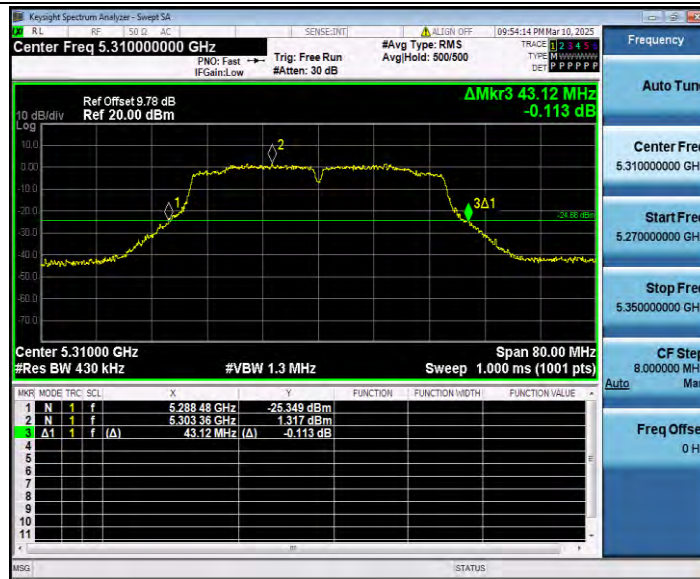
11AC20SISO_Ant1_5320



11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



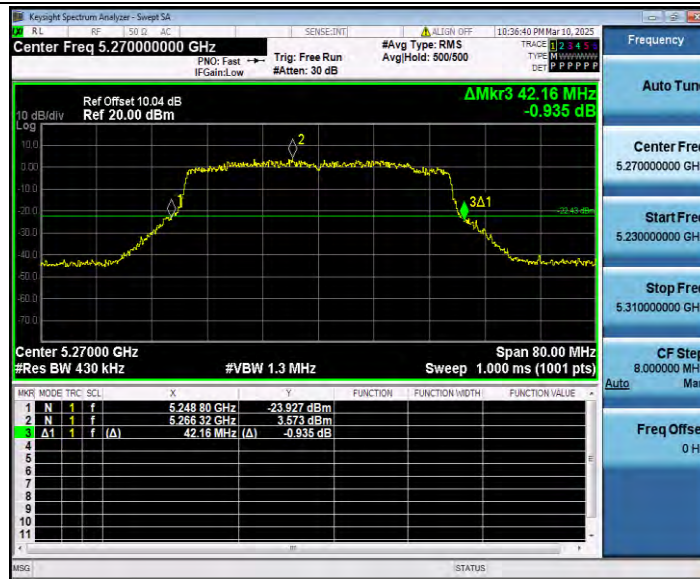
11AX20SISO_Ant1_5280



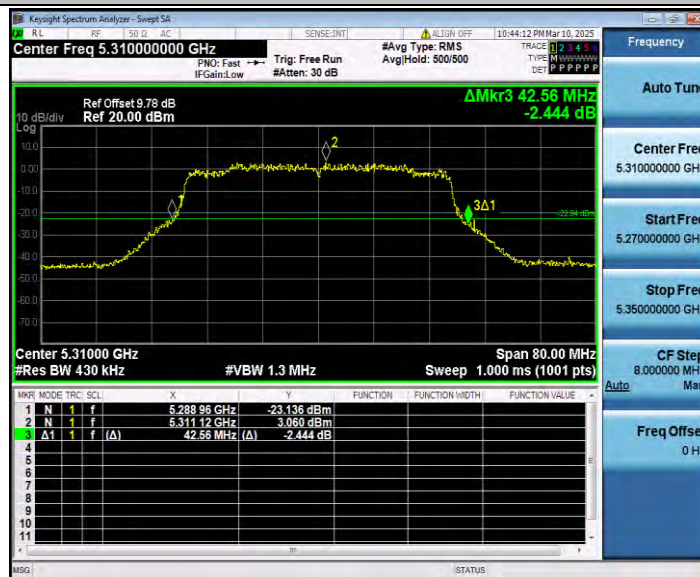
11AX20SISO_Ant1_5320



11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290



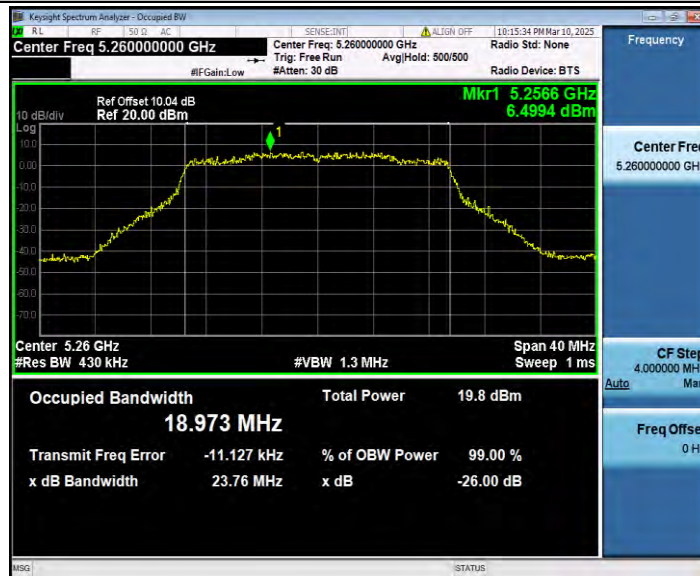
Appendix E.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5260	18.973	5250.5024	5269.4754	---	---
		5280	17.025	5271.4107	5288.4357	---	---
		5320	17.013	5311.4279	5328.4409	---	---
11N20SISO	Ant1	5260	17.994	5250.9974	5268.9914	---	---
		5280	18.006	5270.9700	5288.9760	---	---
		5320	18.046	5310.9358	5328.9818	---	---
11N40SISO	Ant1	5270	36.180	5251.8602	5288.0402	---	---
		5310	36.196	5291.8538	5328.0498	---	---
11AC20SISO	Ant1	5260	18.068	5250.9577	5269.0257	---	---
		5280	18.031	5270.9449	5288.9759	---	---
		5320	17.999	5310.9534	5328.9524	---	---
11AC40SISO	Ant1	5270	36.220	5251.8904	5288.1104	---	---
		5310	36.232	5291.8363	5328.0683	---	---
11AC80SISO	Ant1	5290	75.119	5252.3167	5327.4357	---	---
11AX20SISO	Ant1	5260	19.000	5250.5008	5269.5008	---	---
		5280	19.021	5270.4869	5289.5079	---	---
		5320	19.015	5310.4732	5329.4882	---	---
11AX40SISO	Ant1	5270	37.479	5251.2133	5288.6923	---	---
		5310	37.717	5291.0944	5328.8114	---	---
11AX80SISO	Ant1	5290	76.539	5251.6197	5328.1587	---	---

Test Graphs

11A_Ant1_5260



11A_Ant1_5280



11A_Ant1_5320



11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



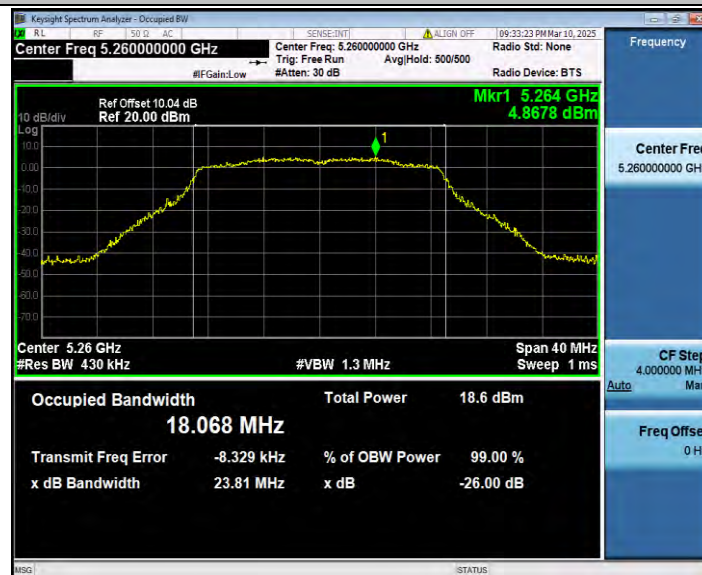
11N40SISO_Ant1_5270



11N40SISO_Ant1_5310



11AC20SISO_Ant1_5260



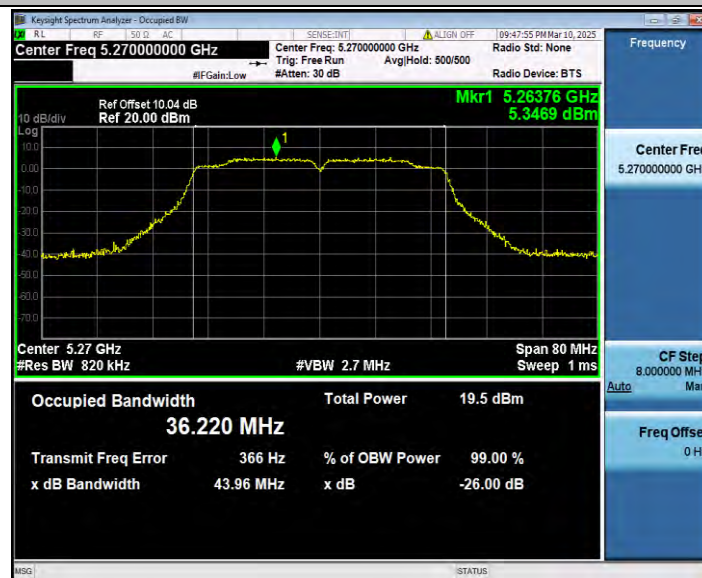
11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



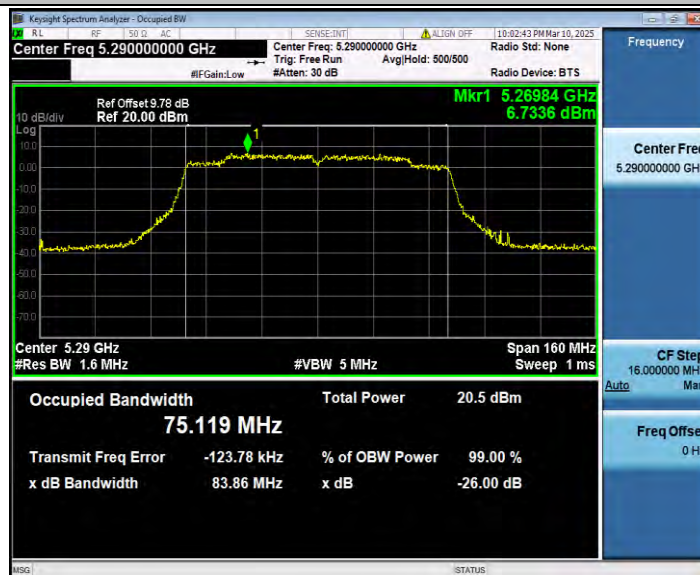
11AC40SISO_Ant1_5270



11AC40SISO_Ant1_5310



11AC80SISO_Ant1_5290



11AX20SISO_Ant1_5260



11AX20SISO_Ant1_5280



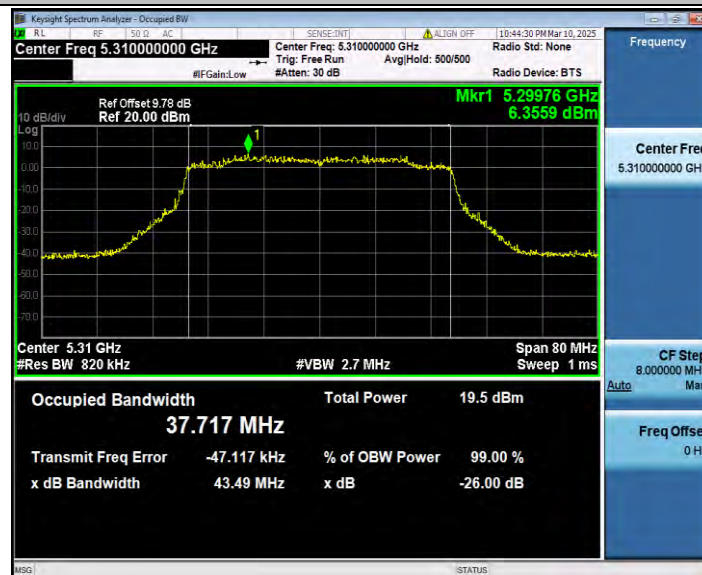
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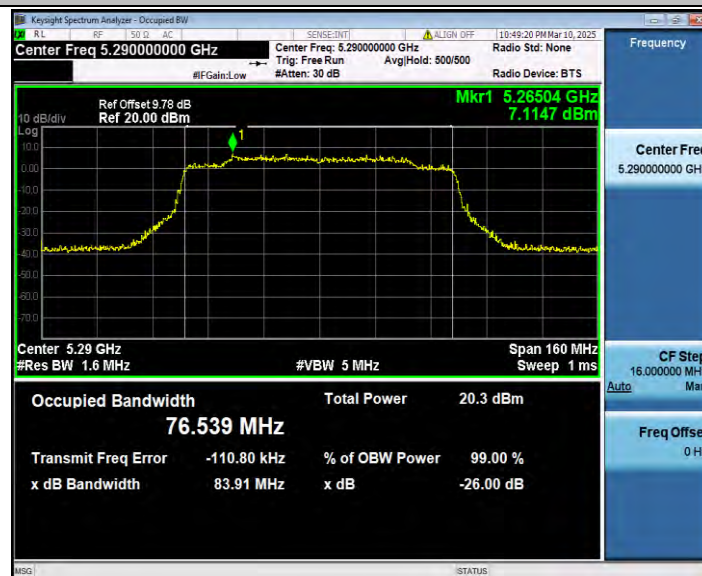
11AX40SISO_Ant1_5270



11AX40SISO_Ant1_5310



11AX80SISO_Ant1_5290



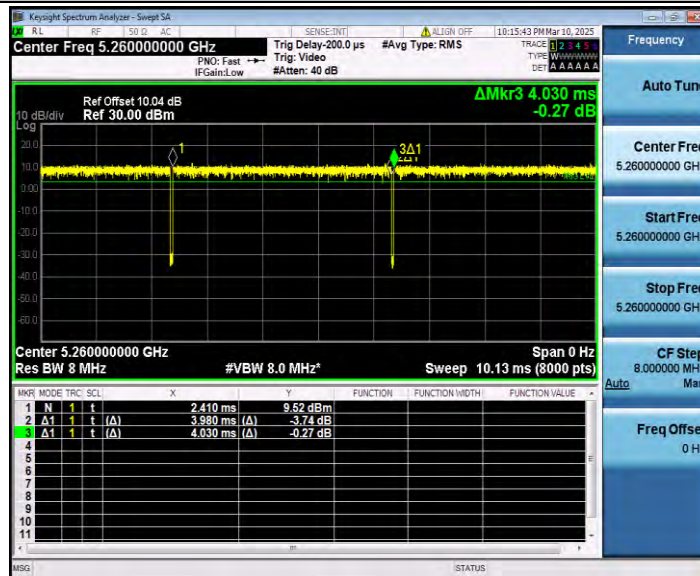
Appendix E.3: Duty Cycle

Test Result

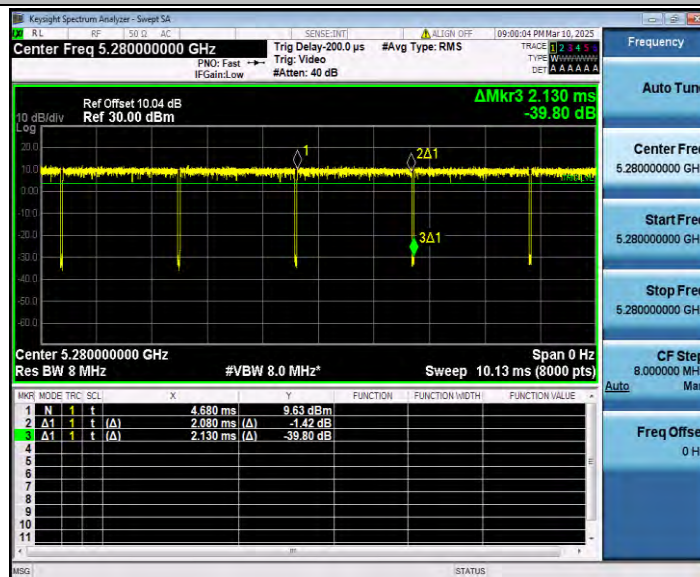
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5260	3.98	4.03	98.76	0.05	0.25
		5280	2.08	2.13	97.65	0.10	0.48
		5320	2.09	2.14	97.66	0.10	0.48
11N20SISO	Ant1	5260	3.98	4.02	99.00	0.04	0.25
		5280	3.98	4.02	99.00	0.04	0.25
		5320	3.98	4.03	98.76	0.05	0.25
11N40SISO	Ant1	5270	3.97	4.02	98.76	0.05	0.25
		5310	3.97	4.02	98.76	0.05	0.25
11AC20SISO	Ant1	5260	3.94	3.99	98.75	0.05	0.25
		5280	3.94	3.99	98.75	0.05	0.25
		5320	3.94	3.99	98.75	0.05	0.25
11AC40SISO	Ant1	5270	3.96	4.01	98.75	0.05	0.25
		5310	3.96	4.01	98.75	0.05	0.25
11AC80SISO	Ant1	5290	3.97	4.02	98.76	0.05	0.25
11AX20SISO	Ant1	5260	3.98	4.03	98.76	0.05	0.25
		5280	3.98	4.03	98.76	0.05	0.25
		5320	3.98	4.03	98.76	0.05	0.25
11AX40SISO	Ant1	5270	3.98	4.03	98.76	0.05	0.25
		5310	3.98	4.03	98.76	0.05	0.25
11AX80SISO	Ant1	5290	3.98	4.03	98.76	0.05	0.25

Test Graphs

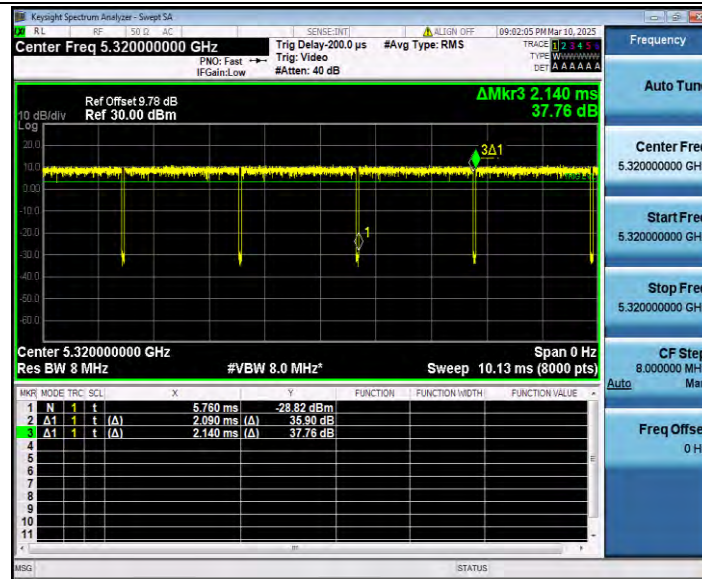
11A_Ant1_5260



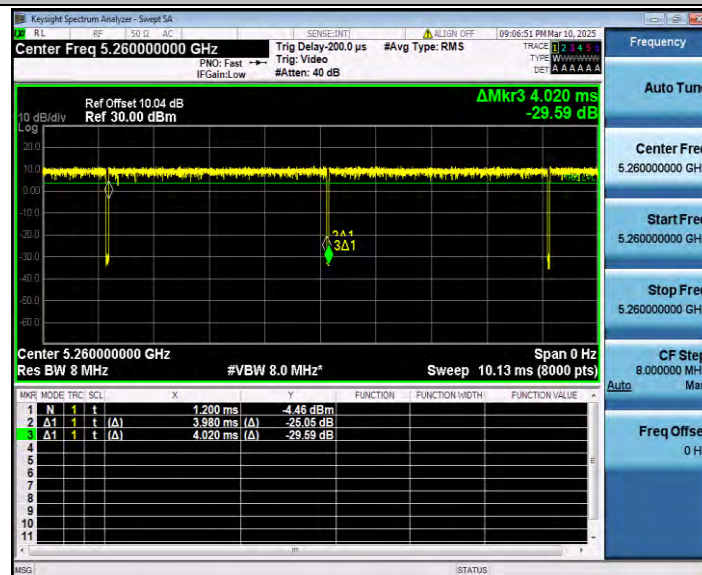
11A_Ant1_5280



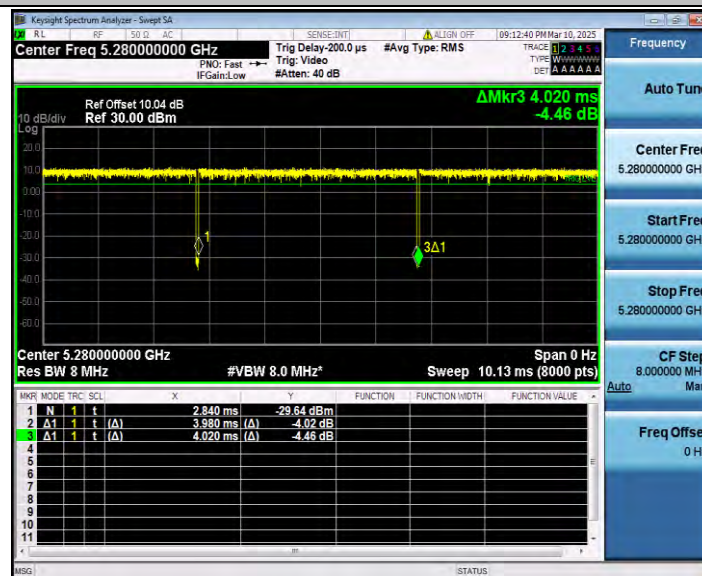
11A_Ant1_5320



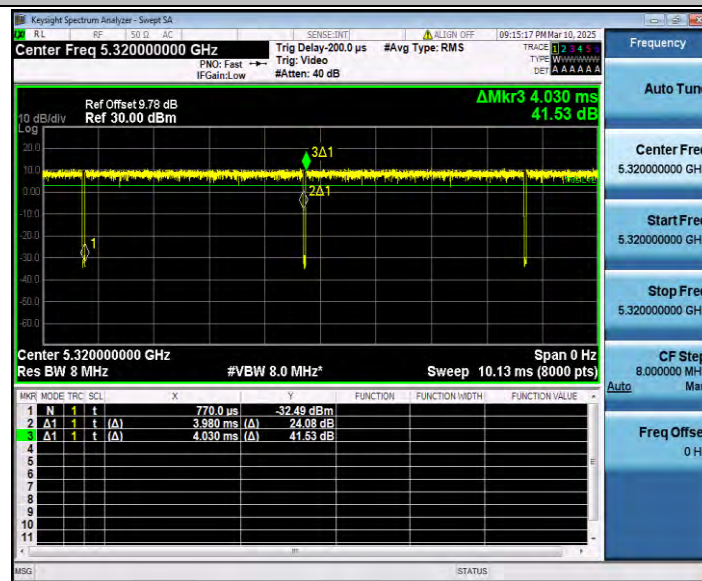
11N20SISO_Ant1_5260



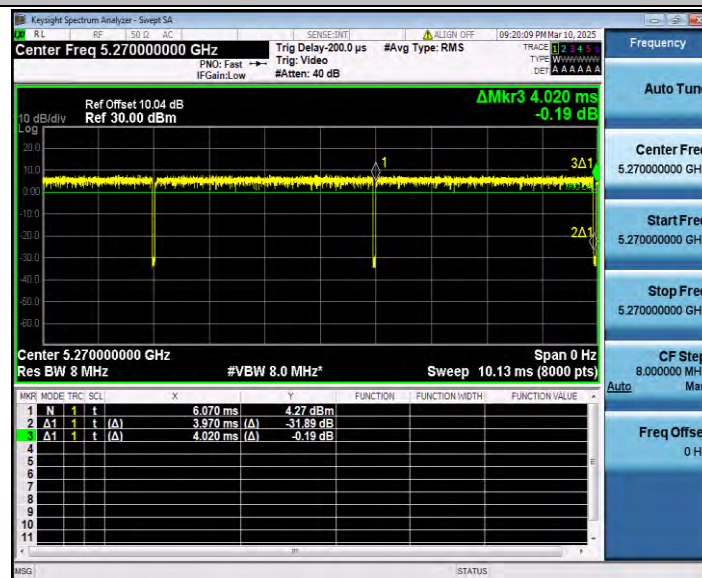
11N20SISO_Ant1_5280



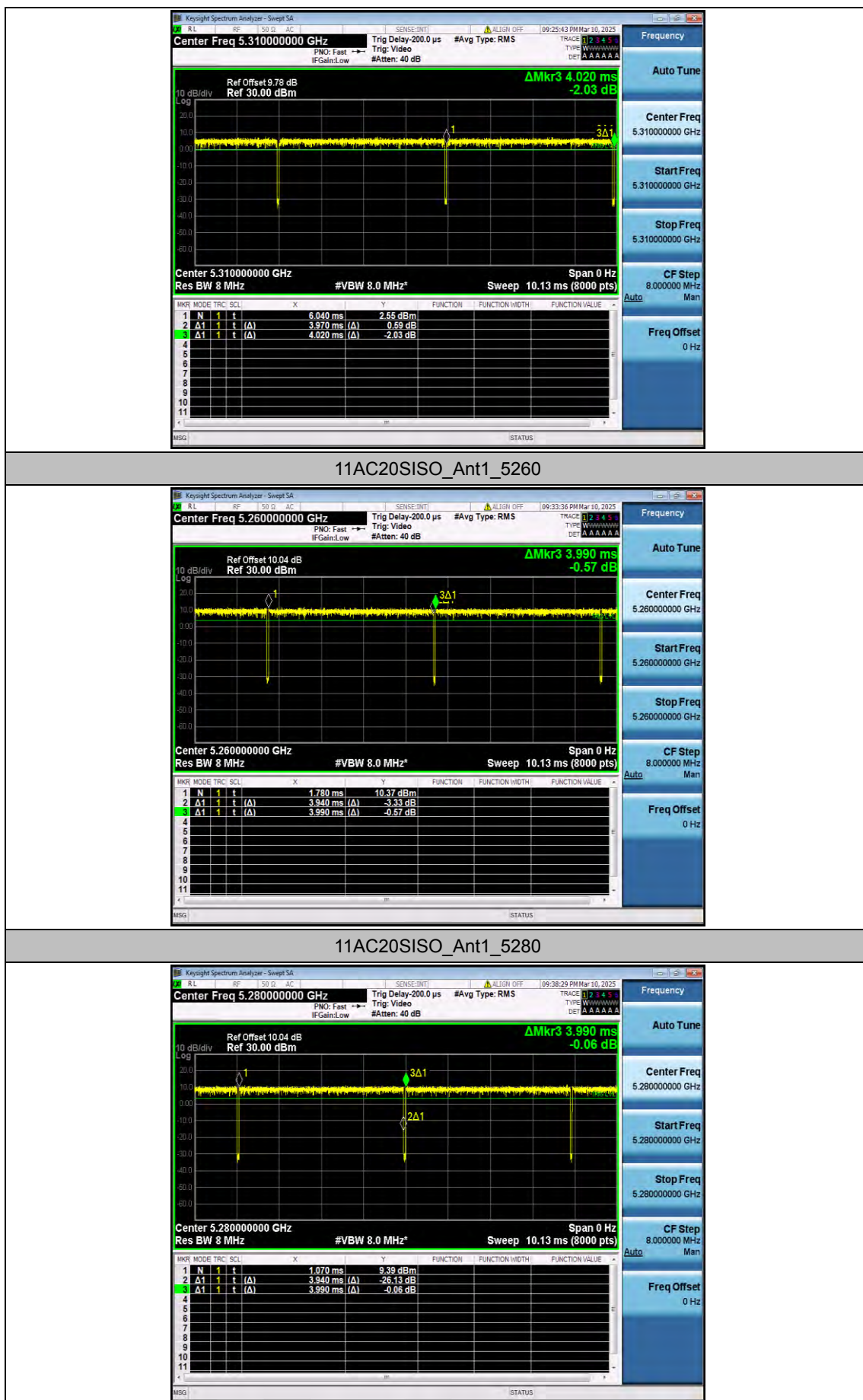
11N20SISO_Ant1_5320



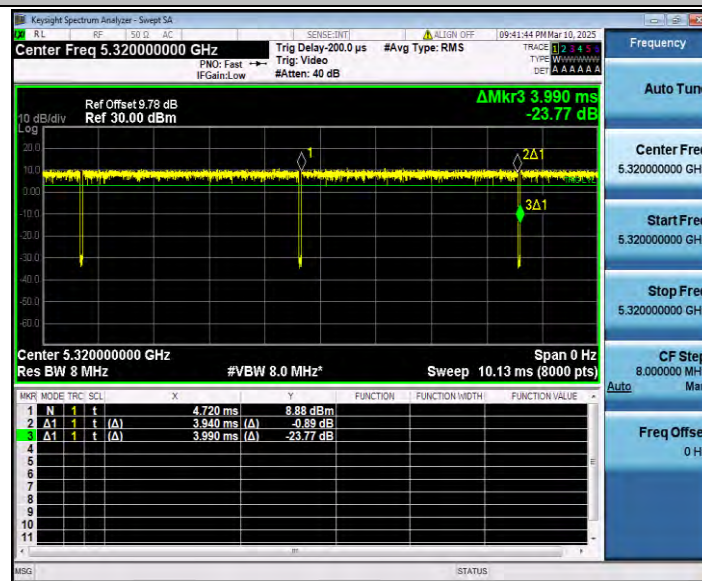
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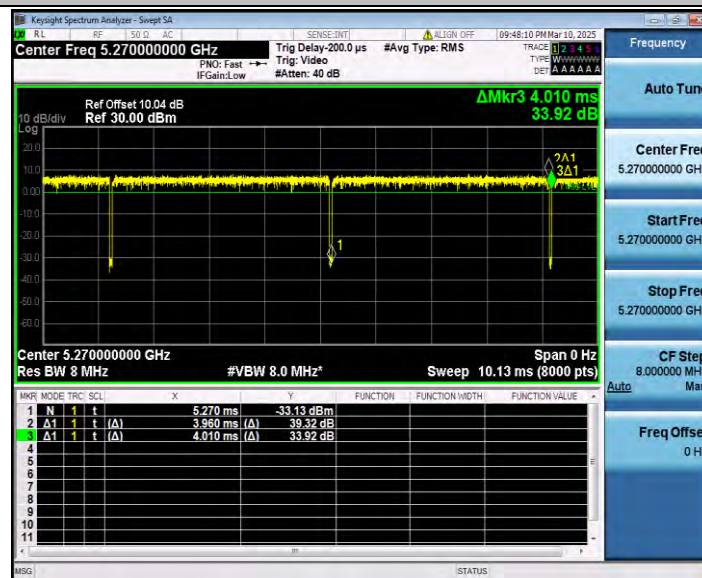
11N40SISO_Ant1_5310



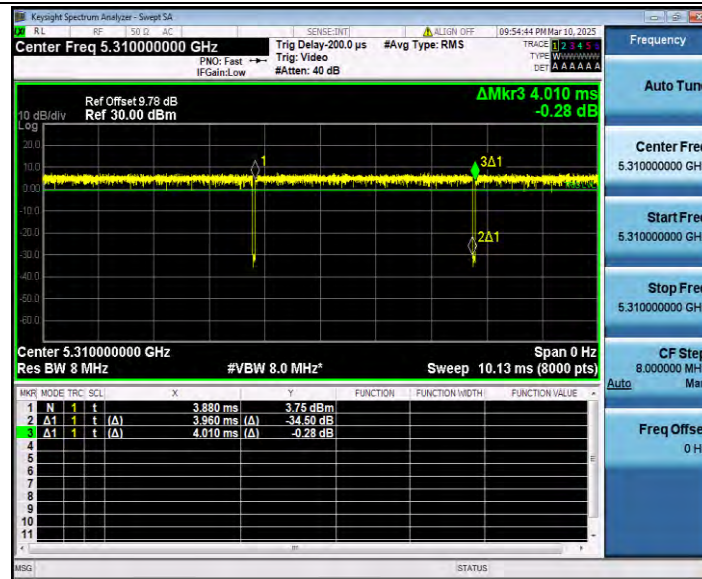
11AC20SISO_Ant1_5320



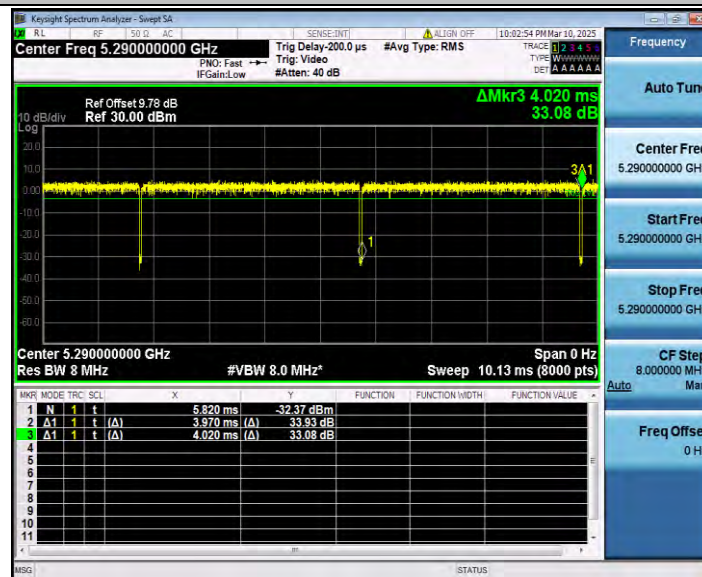
11AC40SISO_Ant1_5270



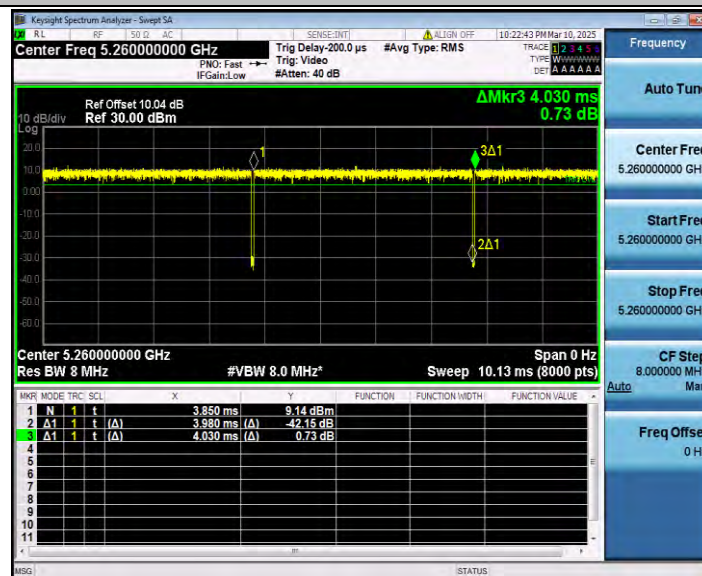
11AC40SISO_Ant1_5310

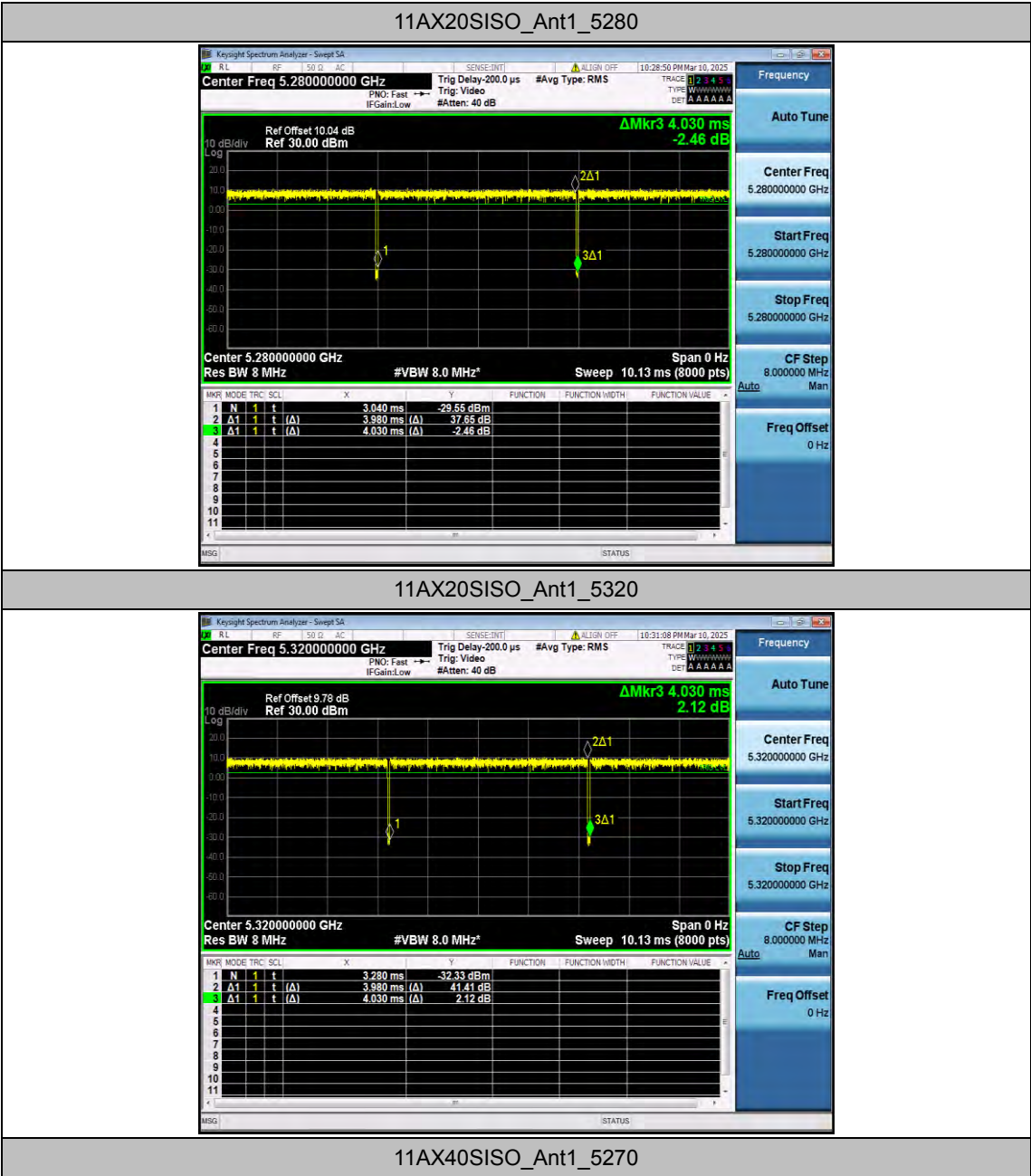


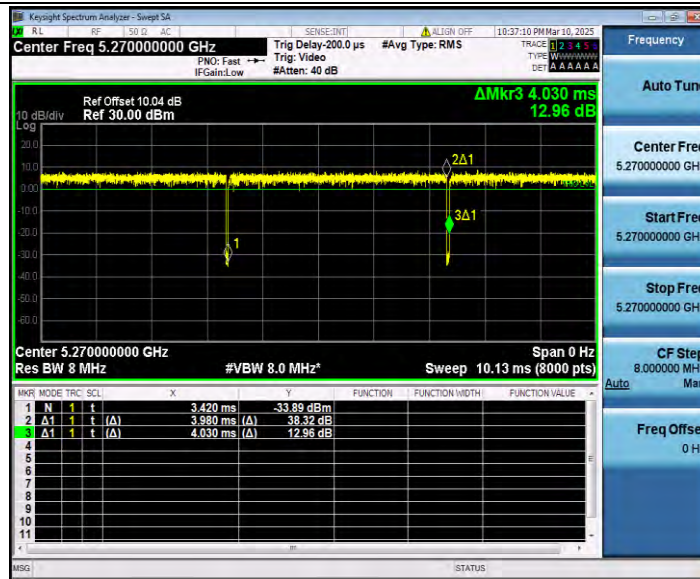
11AC80SISO_Ant1_5290



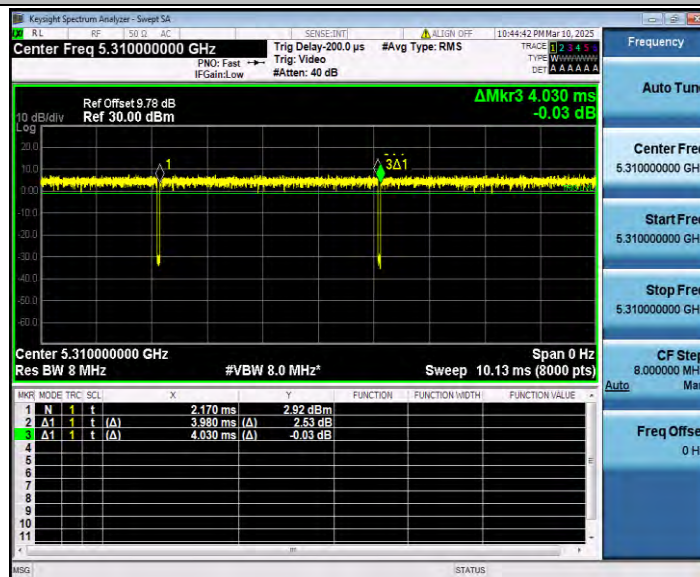
11AX20SISO_Ant1_5260



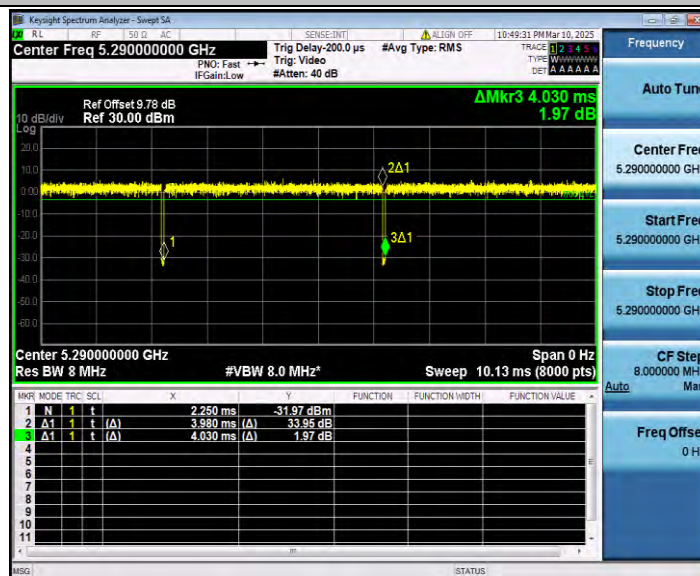




11AX40SISO_Ant1_5310



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	11.46	98.76	0.05	11.51	≤23.98	PASS
		5280	11.60	97.65	0.10	11.70	≤23.98	PASS
		5320	11.11	97.66	0.10	11.21	≤23.98	PASS
11N20SISO	Ant1	5260	11.84	99.00	0.04	11.88	≤23.98	PASS
		5280	11.52	99.00	0.04	11.56	≤23.98	PASS
		5320	11.01	98.76	0.05	11.06	≤23.98	PASS
11N40SISO	Ant1	5270	11.75	98.76	0.05	11.80	≤23.98	PASS
		5310	11.10	98.76	0.05	11.15	≤23.98	PASS
11AC20SISO	Ant1	5260	11.71	98.75	0.05	11.76	≤23.98	PASS
		5280	11.54	98.75	0.05	11.59	≤23.98	PASS
		5320	10.91	98.75	0.05	10.96	≤23.98	PASS
11AC40SISO	Ant1	5270	11.86	98.75	0.05	11.91	≤23.98	PASS
		5310	11.11	98.75	0.05	11.16	≤23.98	PASS
11AC80SISO	Ant1	5290	11.59	98.76	0.05	11.64	≤23.98	PASS
11AX20SISO	Ant1	5260	11.48	98.76	0.05	11.53	≤23.98	PASS
		5280	11.14	98.76	0.05	11.19	≤23.98	PASS
		5320	10.75	98.76	0.05	10.80	≤23.98	PASS
11AX40SISO	Ant1	5270	11.34	98.76	0.05	11.39	≤23.98	PASS
		5310	10.68	98.76	0.05	10.73	≤23.98	PASS
11AX80SISO	Ant1	5290	11.08	98.76	0.05	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	0.15	≤11.00	PASS
		5280	0.81	≤11.00	PASS
		5320	0.34	≤11.00	PASS
11N20SISO	Ant1	5260	0.75	≤11.00	PASS
		5280	0.52	≤11.00	PASS
		5320	-0.01	≤11.00	PASS
11N40SISO	Ant1	5270	-2.41	≤11.00	PASS
		5310	-3.09	≤11.00	PASS
11AC20SISO	Ant1	5260	0.71	≤11.00	PASS
		5280	0.52	≤11.00	PASS
		5320	0.04	≤11.00	PASS
11AC40SISO	Ant1	5270	-2.29	≤11.00	PASS
		5310	-3.08	≤11.00	PASS
11AC80SISO	Ant1	5290	-5.49	≤11.00	PASS
11AX20SISO	Ant1	5260	0.21	≤11.00	PASS
		5280	-0.11	≤11.00	PASS
		5320	-0.56	≤11.00	PASS
11AX40SISO	Ant1	5270	-2.99	≤11.00	PASS
		5310	-3.66	≤11.00	PASS
11AX80SISO	Ant1	5290	-6.05	≤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



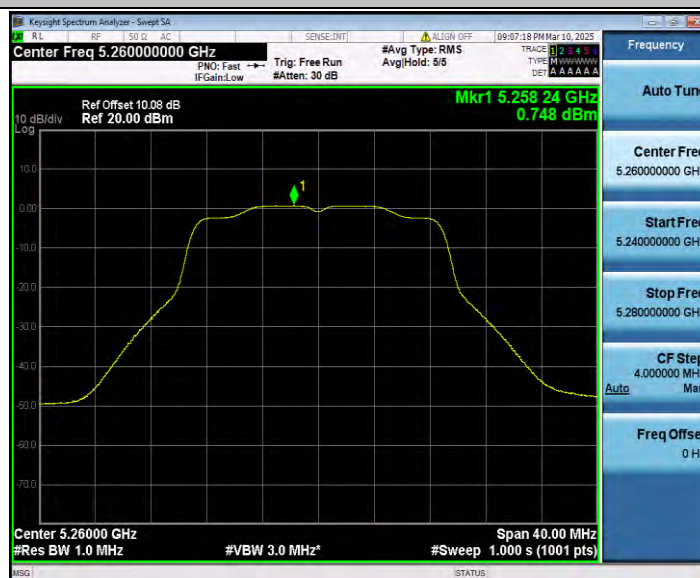
11A_Ant1_5280



11A_Ant1_5320



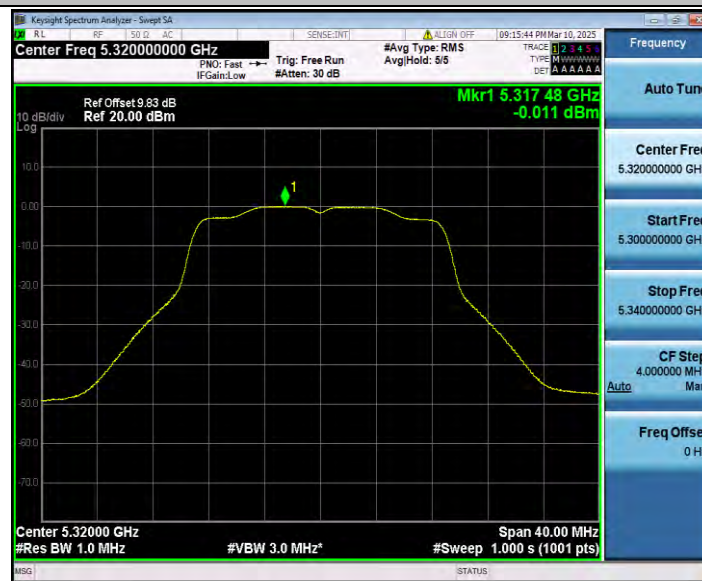
11N20SISO_Ant1_5260



11N20SISO_Ant1_5280



11N20SISO_Ant1_5320



11N40SISO_Ant1_5270



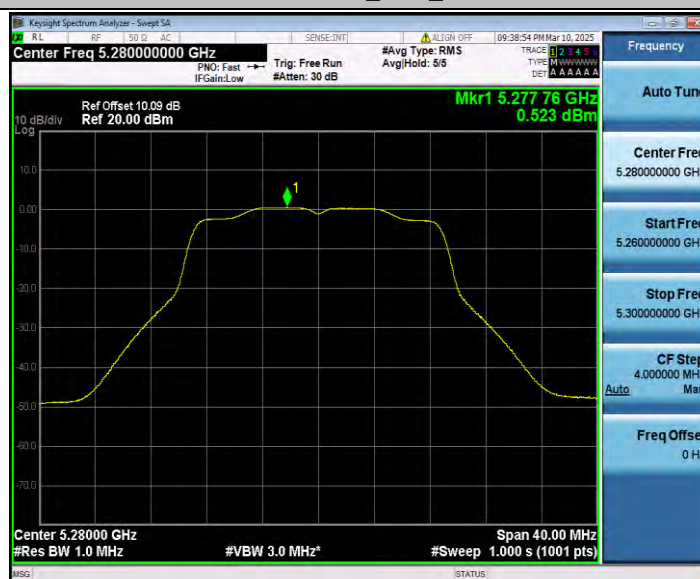
11N40SISO_Ant1_5310



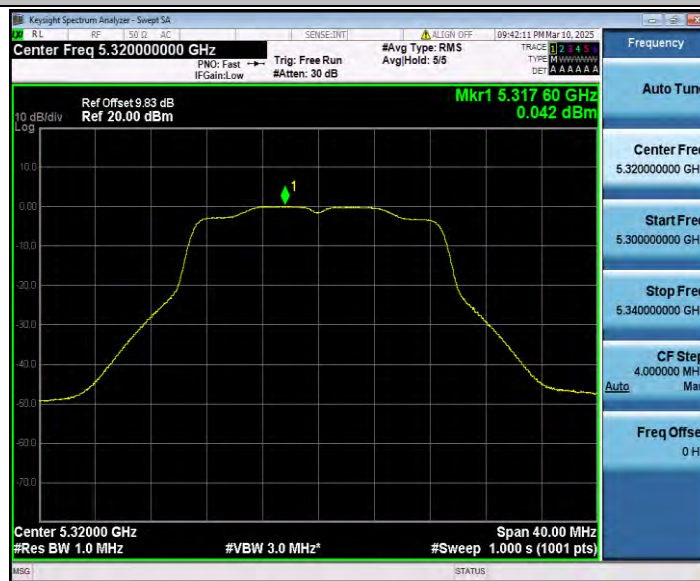
11AC20SISO_Ant1_5260



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

