Case No. : CTA24071501904	
Ambient Condition: 23 ℃, 51 %RH	
According Standard: ■Part15E	
Test Date: 2024.6.20-2024.8.12	**Test Engineer:** Lushan Kong

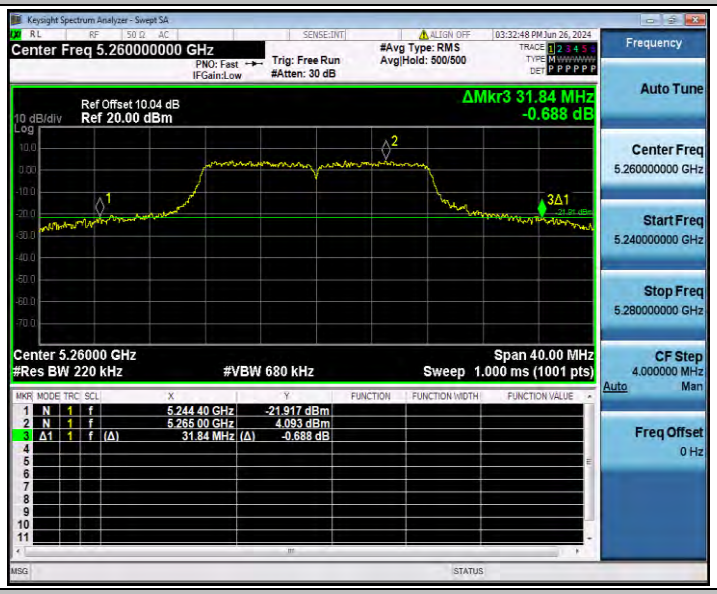
Appendix E.1: Emission Bandwidth

Test Result

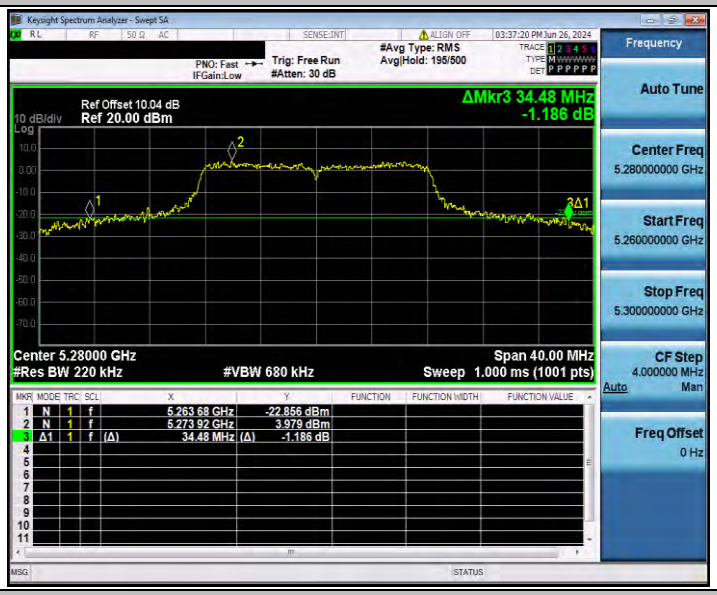
TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5260	31.840	5244.400	5276.240	---	---
		5280	34.480	5263.680	5298.160	---	---
		5320	32.000	5305.200	5337.200	---	---
11N20SISO	Ant2	5260	27.120	5246.480	5273.600	---	---
		5280	34.480	5263.720	5298.200	---	---
		5320	23.160	5308.680	5331.840	---	---
11N40SISO	Ant2	5270	63.840	5242.560	5306.400	---	---
		5310	73.280	5272.960	5346.240	---	---
11AC20SISO	Ant2	5260	21.440	5249.240	5270.680	---	---
		5280	23.960	5267.640	5291.600	---	---
		5320	22.360	5308.960	5331.320	---	---
11AC40SISO	Ant2	5270	56.400	5245.280	5301.680	---	---
		5310	46.400	5288.640	5335.040	---	---
11AC80SISO	Ant2	5290	83.360	5248.560	5331.920	---	---

Test Graphs

11A_Ant2_5260

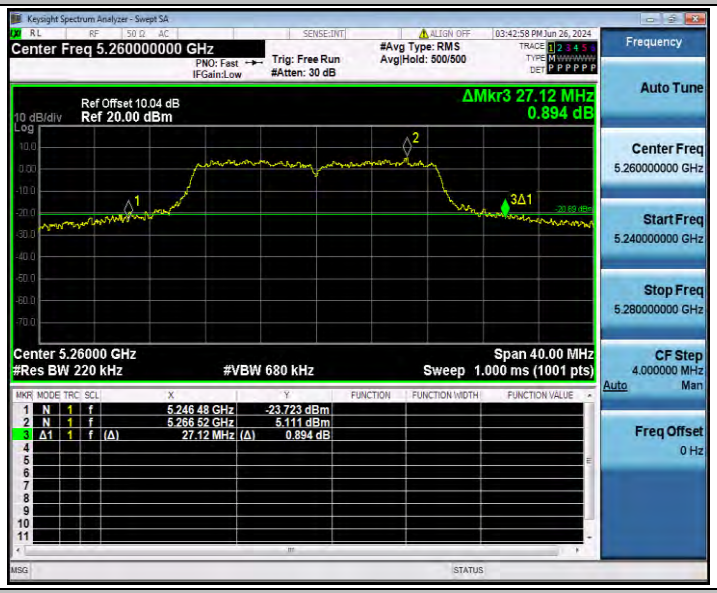


11A_Ant2_5280

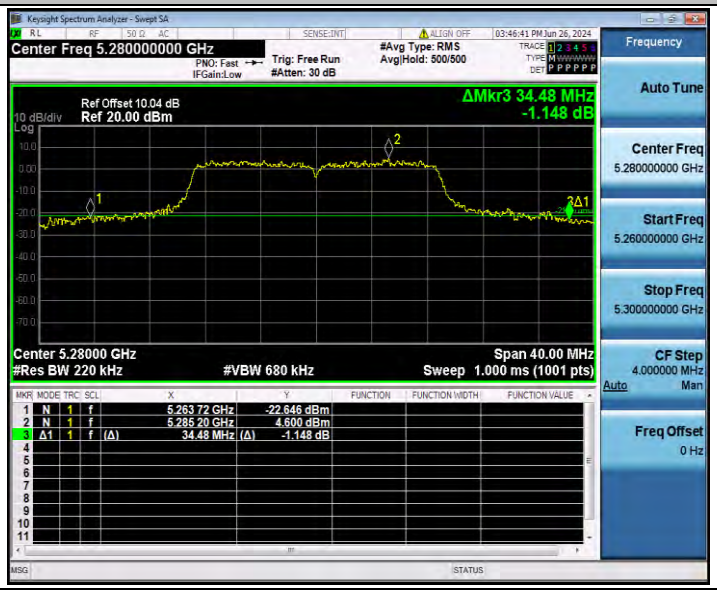


11A_Ant2_5320

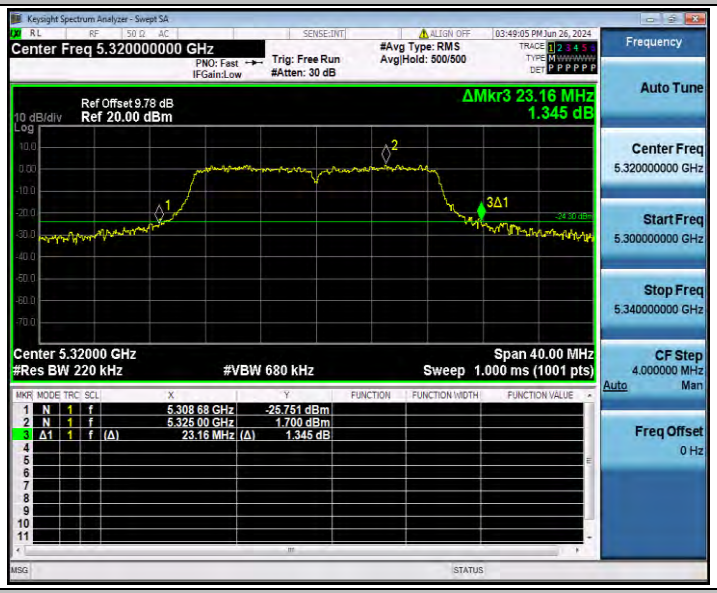
11N20SISO_Ant2_5260



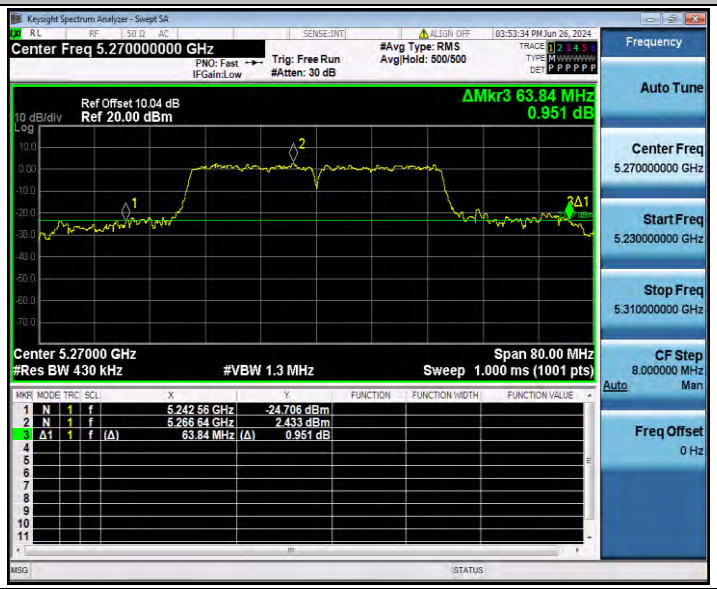
11N20SISO_Ant2_5280



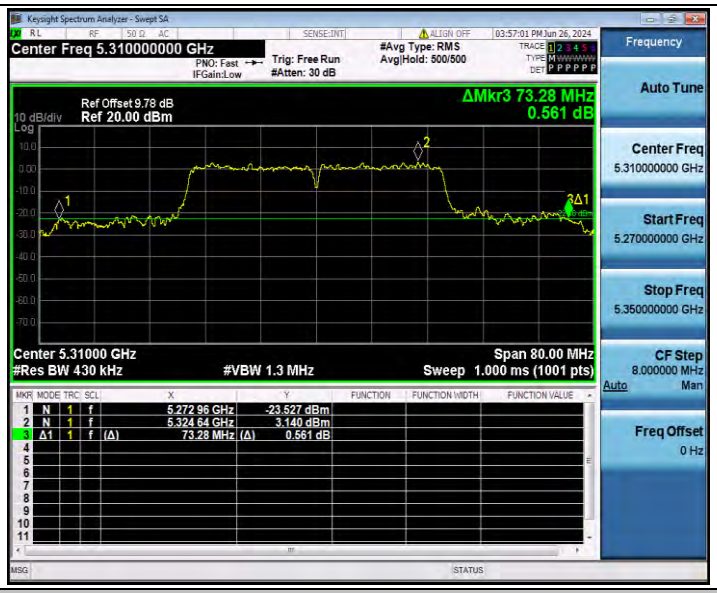
11N20SISO_Ant2_5320



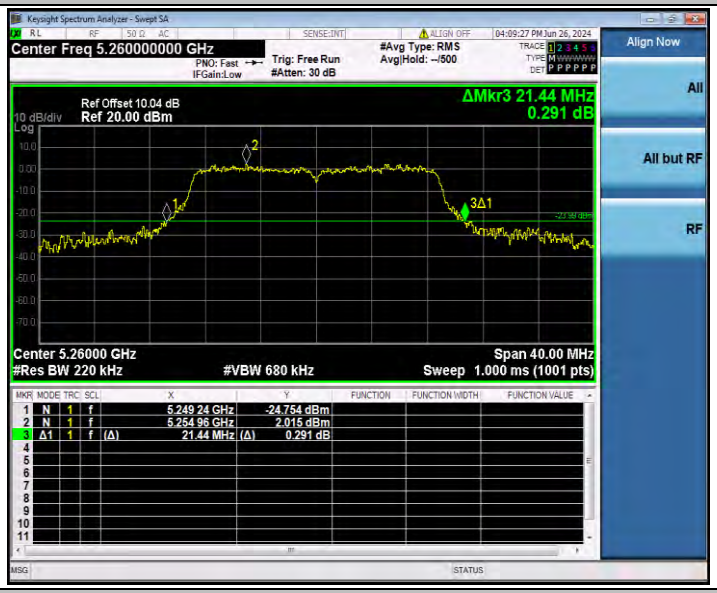
11N40SISO_Ant2_5270



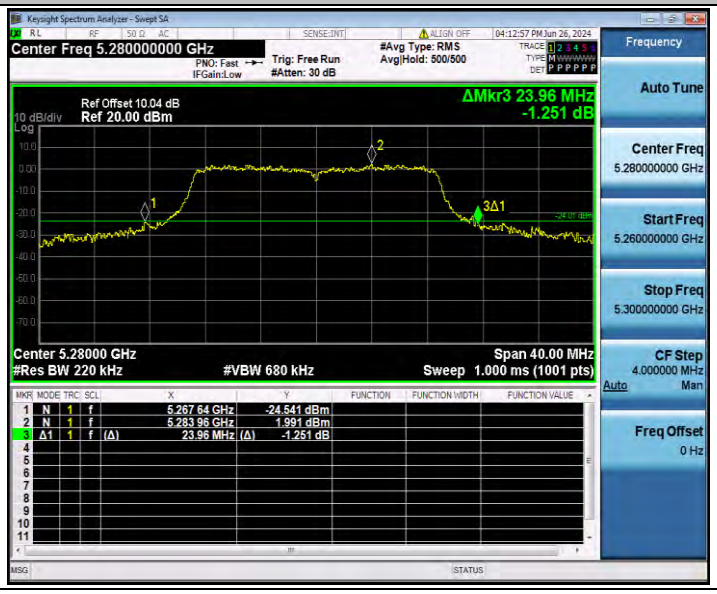
11N40SISO_Ant2_5310



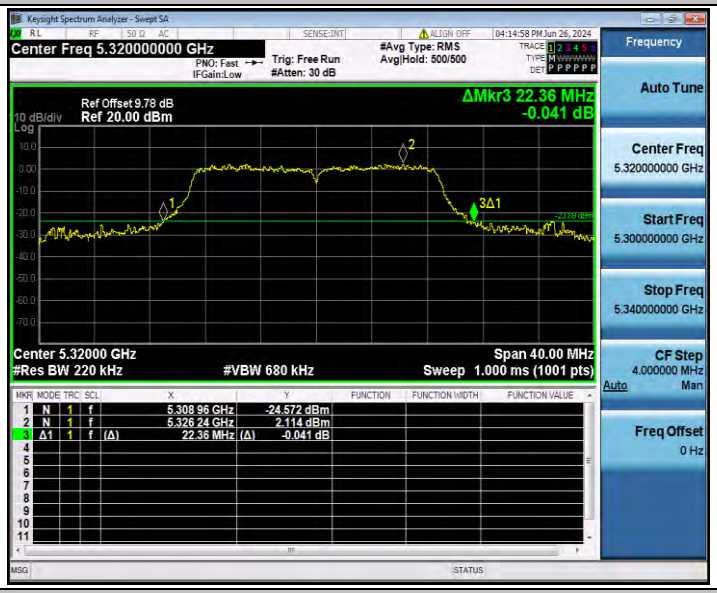
11AC20SISO_Ant2_5260



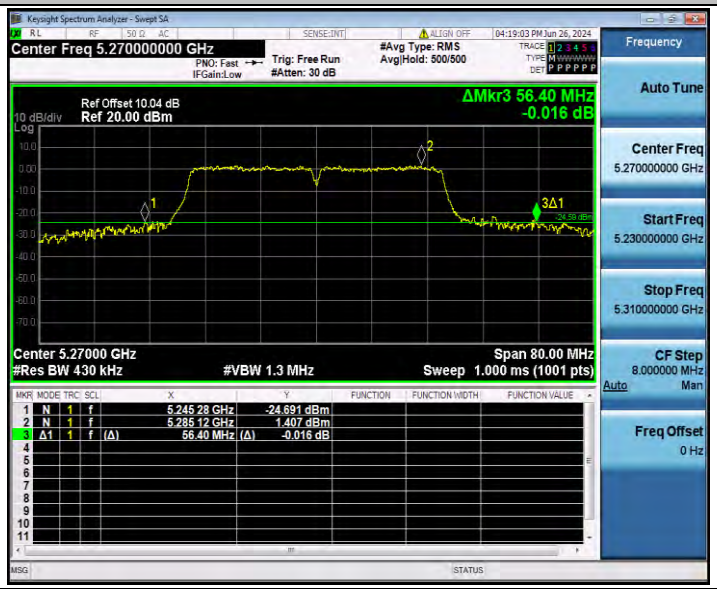
11AC20SISO_Ant2_5280



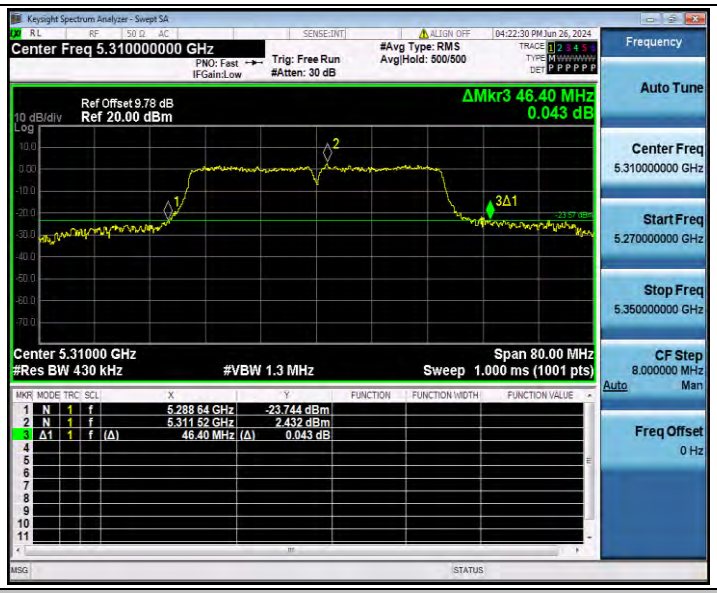
11AC20SISO_Ant2_5320



11AC40SISO_Ant2_5270



11AC40SISO_Ant2_5310



11AC80SISO_Ant2_5290

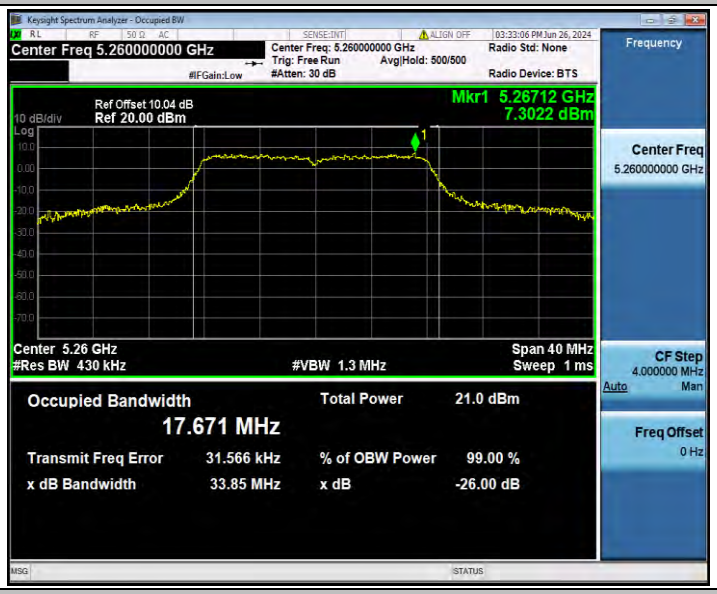
Appendix E.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant2	5260	17.671	5251.1961	5268.8671	---	---
		5280	18.457	5270.8398	5289.2968	---	---
		5320	18.173	5310.9409	5329.1139	---	---
11N20SISO	Ant2	5260	18.619	5250.7048	5269.3238	---	---
		5280	18.784	5270.7011	5289.4851	---	---
		5320	18.208	5310.9001	5329.1081	---	---
11N40SISO	Ant2	5270	36.954	5251.6367	5288.5907	---	---
		5310	37.130	5291.6382	5328.7682	---	---
11AC20SISO	Ant2	5260	18.165	5250.9071	5269.0721	---	---
		5280	18.192	5270.8895	5289.0815	---	---
		5320	18.325	5310.8584	5329.1834	---	---
11AC40SISO	Ant2	5270	37.018	5251.5288	5288.5468	---	---
		5310	37.106	5291.4869	5328.5929	---	---
11AC80SISO	Ant2	5290	76.434	5251.7928	5328.2268	---	---

Test Graphs

11A_Ant2_5260



11A_Ant2_5280

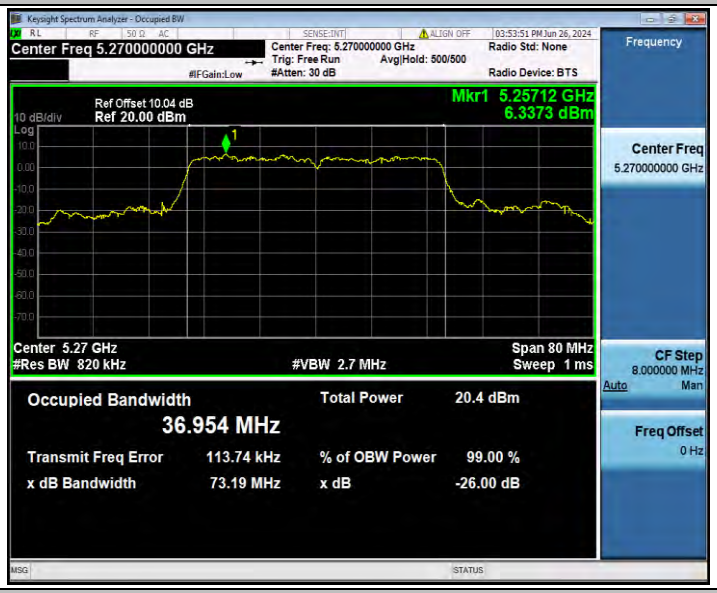
11A_Ant2_5320

11N20SISO_Ant2_5260

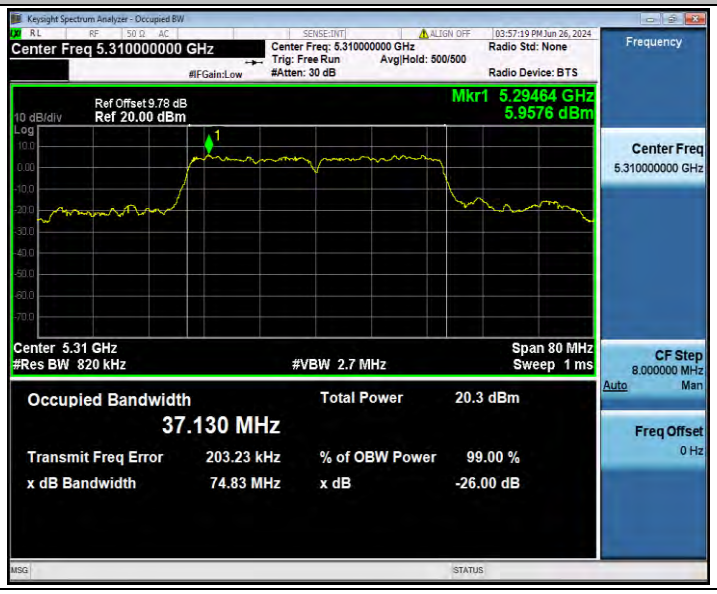
11N20SISO_Ant2_5280

11N20SISO_Ant2_5320

11N40SISO_Ant2_5270



11N40SISO_Ant2_5310



11AC20SISO_Ant2_5260

11AC20SISO_Ant2_5280

11AC20SISO_Ant2_5320

11AC40SISO_Ant2_5270

11AC40SISO_Ant2_5310

11AC80SISO_Ant2_5290

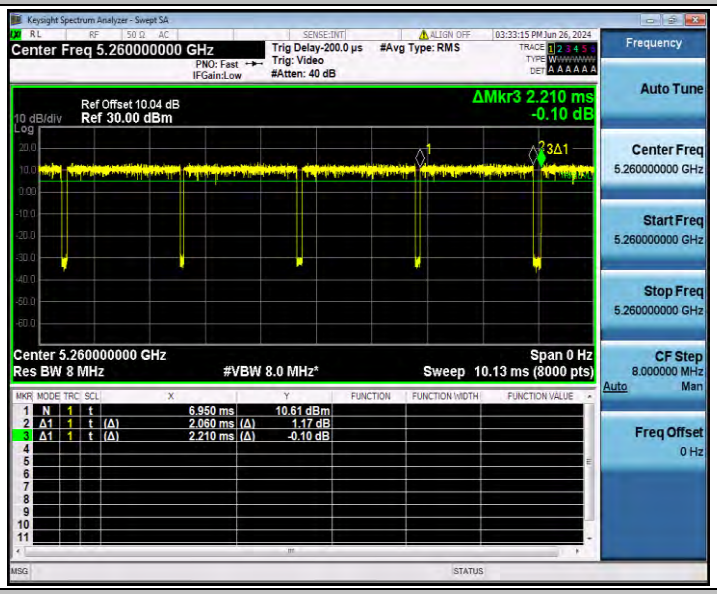
Appendix E.3: Duty Cycle

Test Result

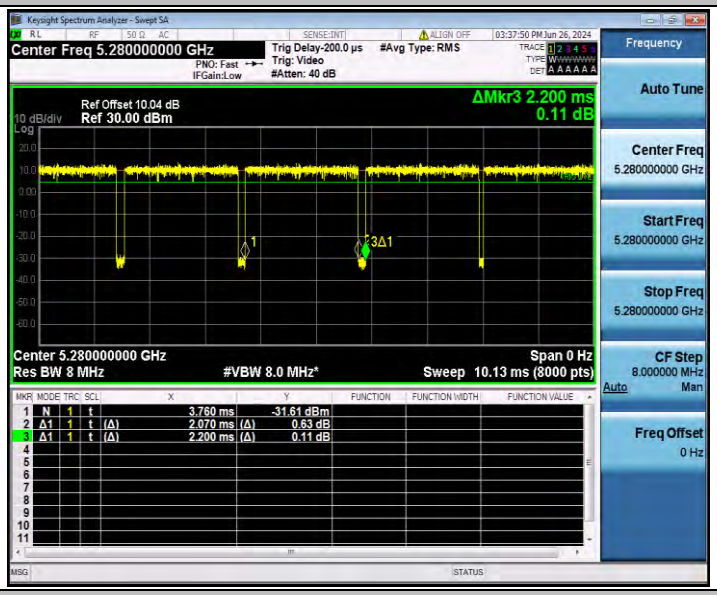
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant2	5260	2.06	2.21	93.21	0.31	0.49
		5280	2.07	2.20	94.09	0.26	0.48
		5320	2.06	2.24	91.96	0.36	0.49
11N20SISO	Ant2	5260	1.92	2.09	91.87	0.37	0.52
		5280	1.92	2.09	91.87	0.37	0.52
		5320	1.92	2.06	93.20	0.31	0.52
11N40SISO	Ant2	5270	0.13	0.32	40.63	3.91	7.69
		5310	0.13	0.30	43.33	3.63	7.69
11AC20SISO	Ant2	5260	1.93	2.09	92.34	0.35	0.52
		5280	1.93	2.05	94.15	0.26	0.52
		5320	1.93	2.08	92.79	0.32	0.52
11AC40SISO	Ant2	5270	0.95	1.09	87.16	0.60	1.05
		5310	0.95	1.12	84.82	0.72	1.05
11AC80SISO	Ant2	5290	0.46	0.64	71.88	1.43	2.17

Test Graphs

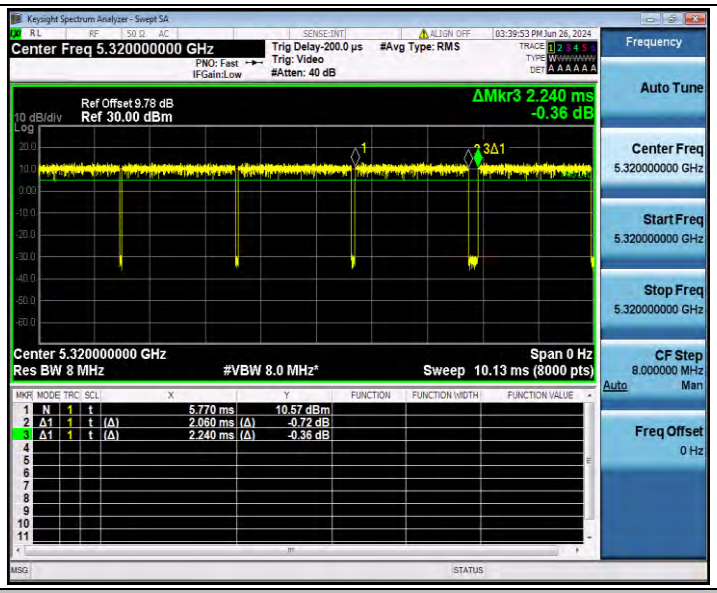
11A_Ant2_5260



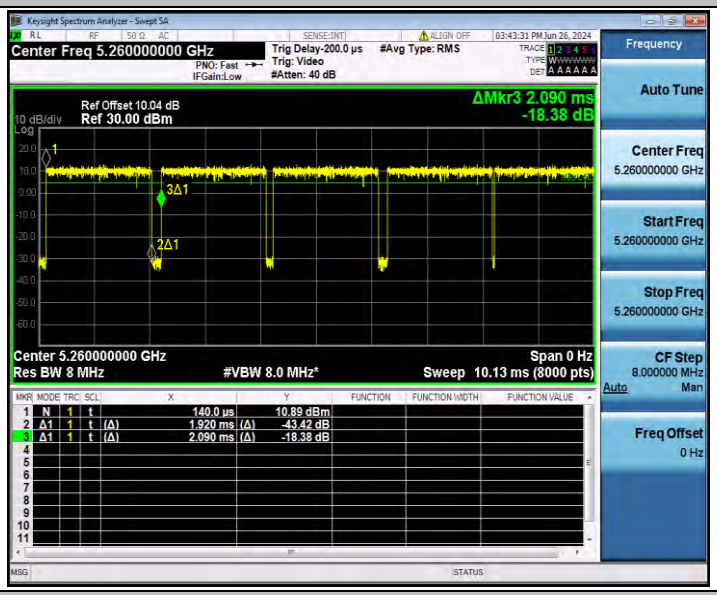
11A_Ant2_5280



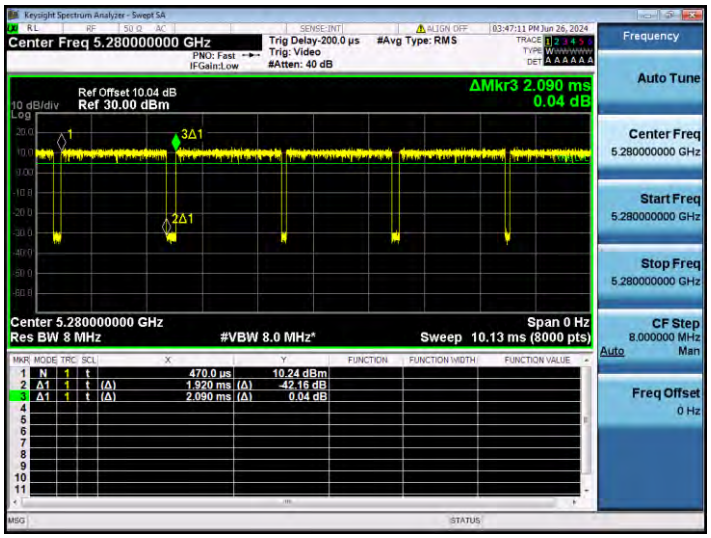
11A_Ant2_5320



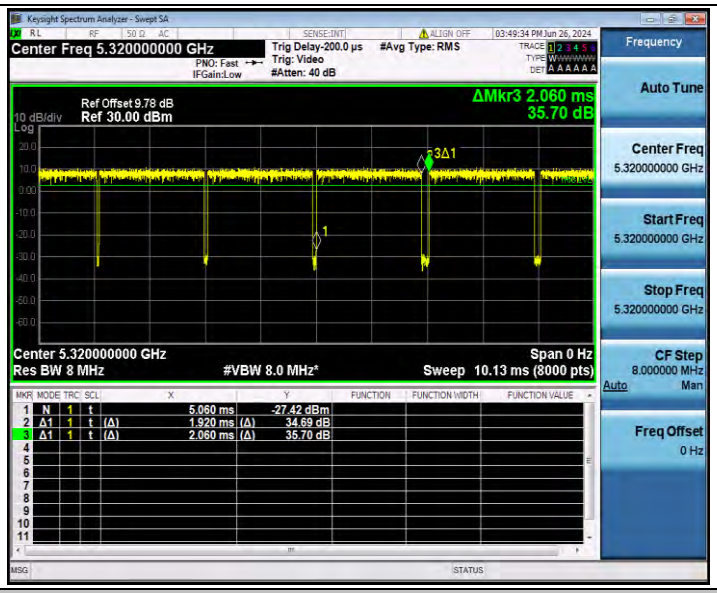
11N20SISO_Ant2_5260



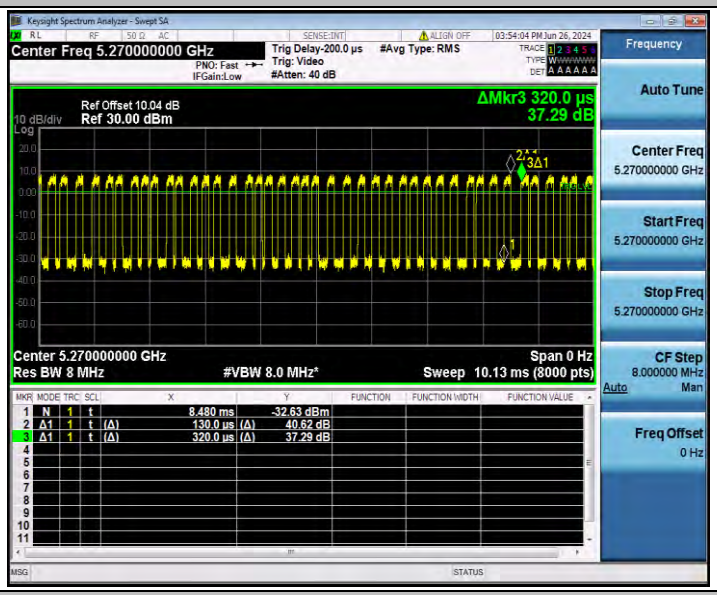
11N20SISO_Ant2_5280



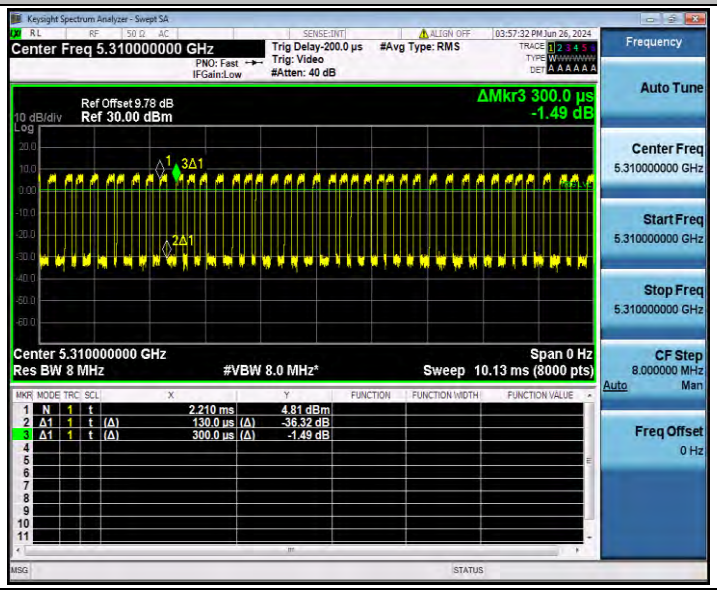
11N20SISO_Ant2_5320



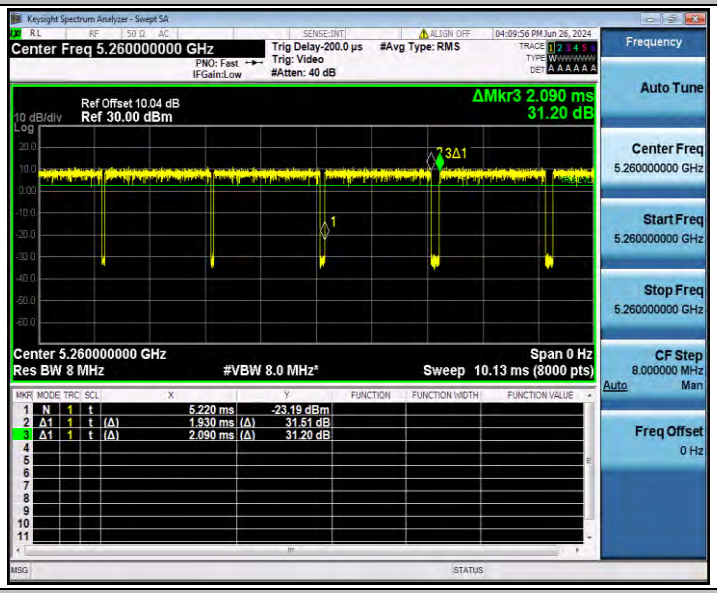
11N40SISO_Ant2_5270



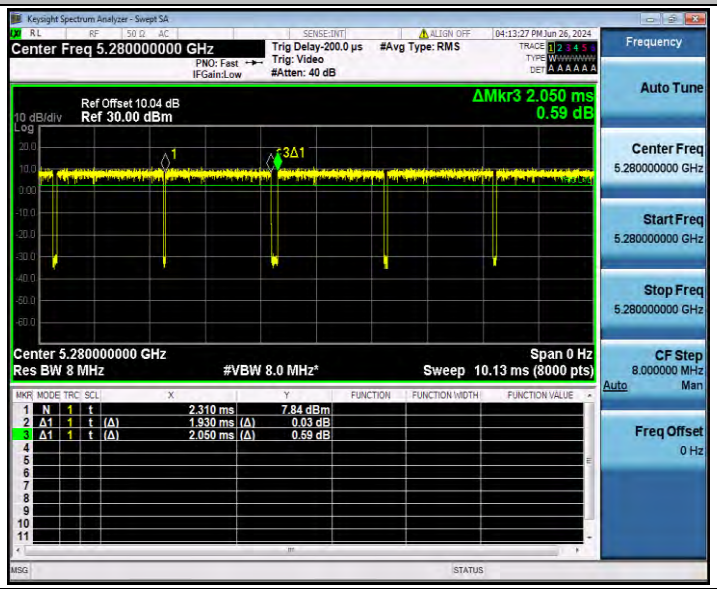
11N40SISO_Ant2_5310



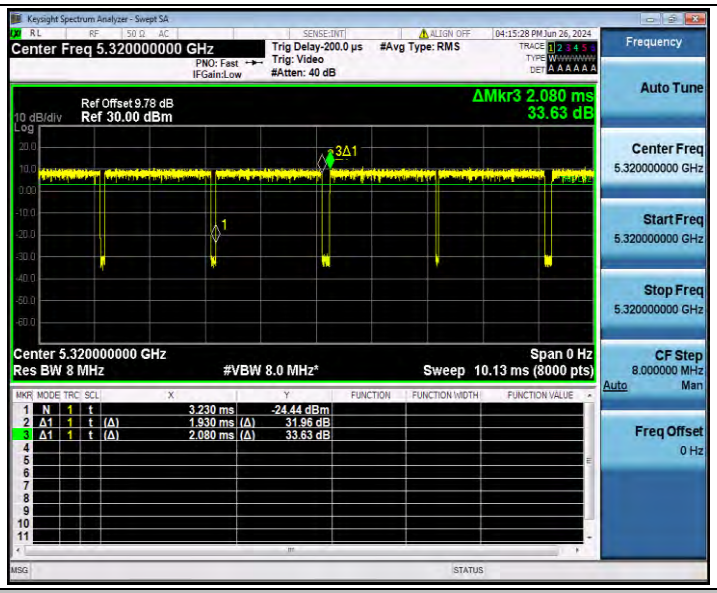
11AC20SISO_Ant2_5260



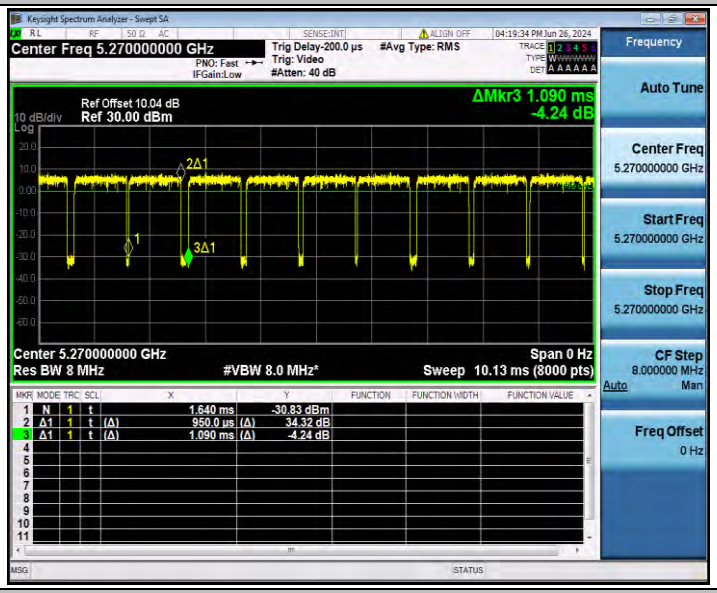
11AC20SISO_Ant2_5280



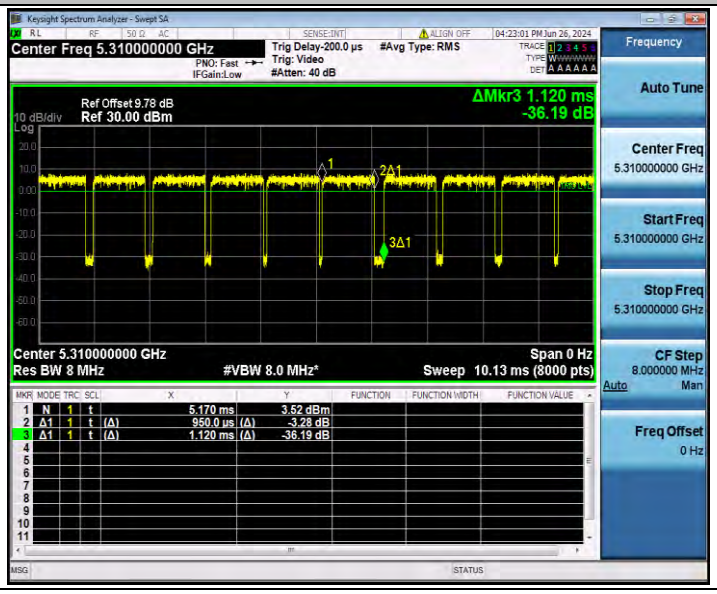
11AC20SISO_Ant2_5320

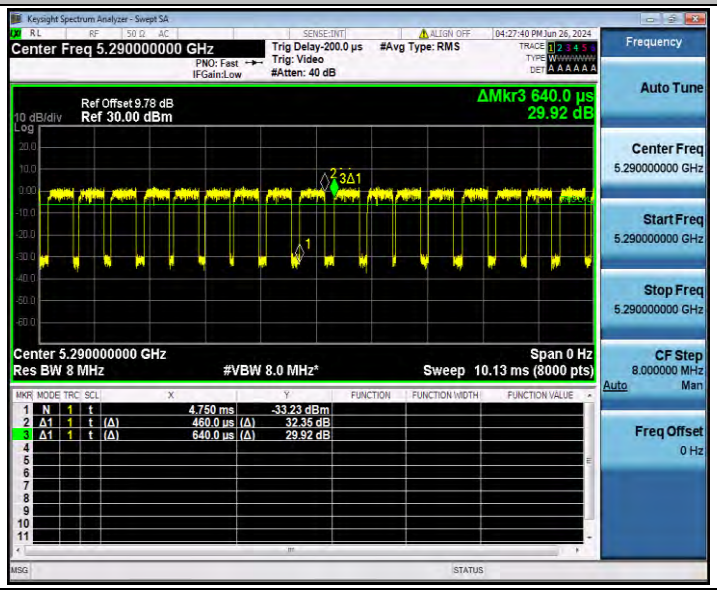


11AC40SISO_Ant2_5270



11AC40SISO_Ant2_5310



11AC80SISO_Ant2_5290


Appendix E.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant2	5260	14.00	93.21	0.31	14.31	≤23.98	PASS
		5280	13.83	94.09	0.26	14.09	≤23.98	PASS
		5320	13.91	91.96	0.36	14.27	≤23.98	PASS
11N20SISO	Ant2	5260	13.88	91.87	0.37	14.25	≤23.98	PASS
		5280	13.74	91.87	0.37	14.11	≤23.98	PASS
		5320	11.68	93.20	0.31	11.99	≤23.98	PASS
11N40SISO	Ant2	5270	10.48	40.63	3.91	14.39	≤23.98	PASS
		5310	10.49	43.33	3.63	14.12	≤23.98	PASS
11AC20SISO	Ant2	5260	11.77	92.34	0.35	12.12	≤23.98	PASS
		5280	11.81	94.15	0.26	12.07	≤23.98	PASS
		5320	11.94	92.79	0.32	12.26	≤23.98	PASS
11AC40SISO	Ant2	5270	11.79	87.16	0.60	12.39	≤23.98	PASS
		5310	11.69	84.82	0.72	12.41	≤23.98	PASS
11AC80SISO	Ant2	5290	9.30	71.88	1.43	10.73	≤23.98	PASS

Appendix E.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant2	5260	3.26	≤11.00	PASS
		5280	2.79	≤11.00	PASS
		5320	2.96	≤11.00	PASS
11N20SISO	Ant2	5260	2.70	≤11.00	PASS
		5280	2.60	≤11.00	PASS
		5320	0.55	≤11.00	PASS
11N40SISO	Ant2	5270	1.03	≤11.00	PASS
		5310	0.72	≤11.00	PASS
11AC20SISO	Ant2	5260	0.64	≤11.00	PASS
		5280	0.51	≤11.00	PASS
		5320	0.72	≤11.00	PASS
11AC40SISO	Ant2	5270	-1.93	≤11.00	PASS
		5310	-1.68	≤11.00	PASS
11AC80SISO	Ant2	5290	-5.03	≤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

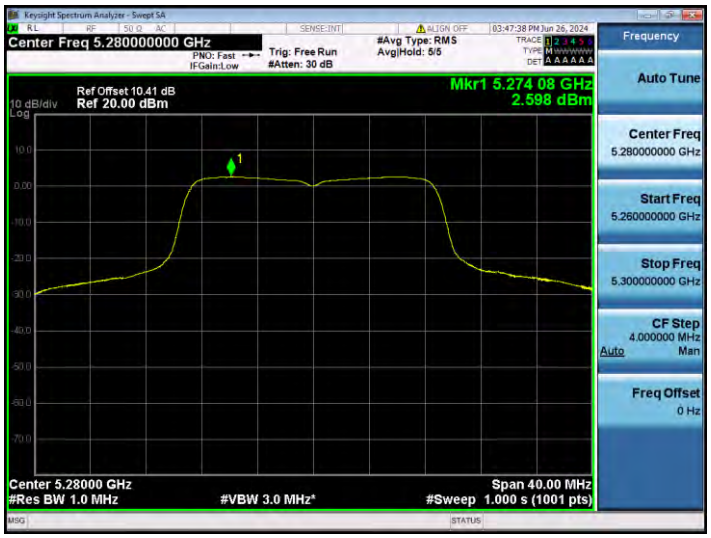
11A_Ant2_5260

11A_Ant2_5280

11A_Ant2_5320

11N20SISO_Ant2_5260

11N20SISO_Ant2_5280



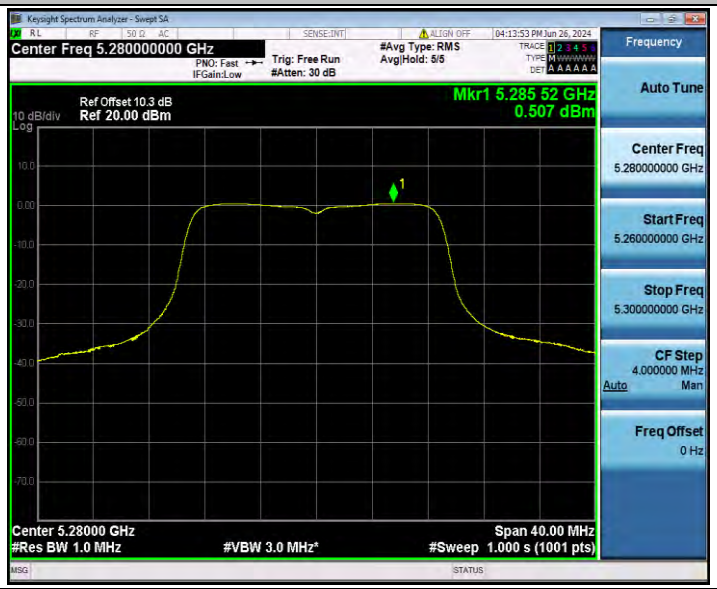
11N20SISO_Ant2_5320

11N40SISO_Ant2_5270

11N40SISO_Ant2_5310

11AC20SISO_Ant2_5260

11AC20SISO_Ant2_5280



11AC20SISO_Ant2_5320

11AC40SISO_Ant2_5270

11AC40SISO_Ant2_5310

11AC80SISO_Ant2_5290