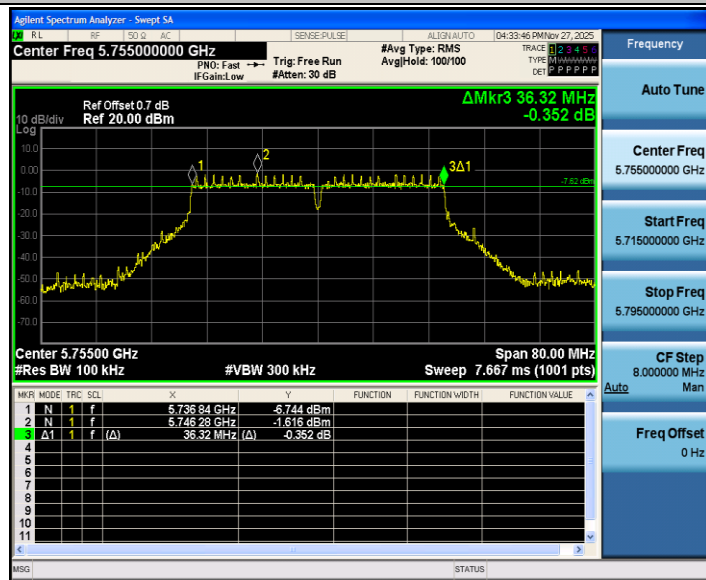


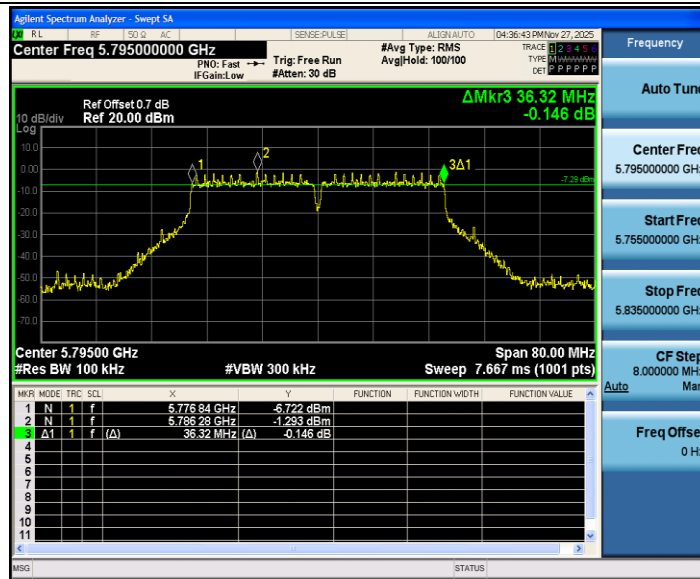
11AC20SISO_Ant1_5825



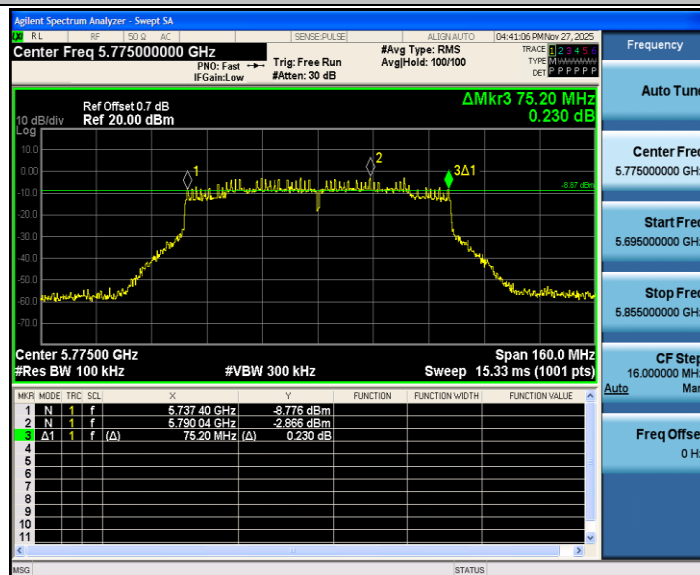
11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.15	0.20	75.00	1.25	---	---
		5220	0.15	0.20	75.00	1.25	---	---
		5240	0.14	0.19	73.68	1.33	---	---
		5745	0.14	0.19	73.68	1.33	---	---
		5785	0.15	0.20	75.00	1.25	---	---
		5825	0.15	0.20	75.00	1.25	---	---
11N20SISO	Ant1	5180	0.18	0.23	78.26	1.06	---	---
		5220	0.18	0.23	78.26	1.06	---	---
		5240	0.17	0.22	77.27	1.12	---	---
		5745	0.17	0.22	77.27	1.12	---	---
		5785	0.18	0.23	78.26	1.06	---	---
		5825	0.18	0.23	78.26	1.06	---	---
11N40SISO	Ant1	5190	0.18	0.23	78.26	1.06	---	---
		5230	0.18	0.23	78.26	1.06	---	---
		5755	0.18	0.23	78.26	1.06	---	---
		5795	0.18	0.23	78.26	1.06	---	---
11AC20SISO	Ant1	5180	0.16	0.21	76.19	1.18	---	---
		5220	0.16	0.21	76.19	1.18	---	---
		5240	0.16	0.21	76.19	1.18	---	---
		5745	0.16	0.21	76.19	1.18	---	---
		5785	0.16	0.21	76.19	1.18	---	---
		5825	0.16	0.21	76.19	1.18	---	---
11AC40SISO	Ant1	5190	0.16	0.21	76.19	1.18	---	---
		5230	0.15	0.20	75.00	1.25	---	---
		5755	0.15	0.20	75.00	1.25	---	---
		5795	0.16	0.21	76.19	1.18	---	---
11AC80SISO	Ant1	5210	0.16	0.21	76.19	1.18	---	---
		5775	0.16	0.21	76.19	1.18	---	---

11A_Ant1_5180

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.18000000 GHz

Trig Delay: 2.000 ms #Avg Type: RMS

Ref Offset 0.7 dB Ref 20.70 dBm

ΔMkr3 200.0 μs 0.05 dB

Center 5.180000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 5.000 ms (1001 pts)

MFR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	3.350 ms	15.63 dBm			
2	Δ1	1	t	150.0 μs (Δ)	-48.73 dB			
3	Δ1	1	t	200.0 μs (Δ)	0.05 dB			

11A_Ant1_5220

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.22000000 GHz

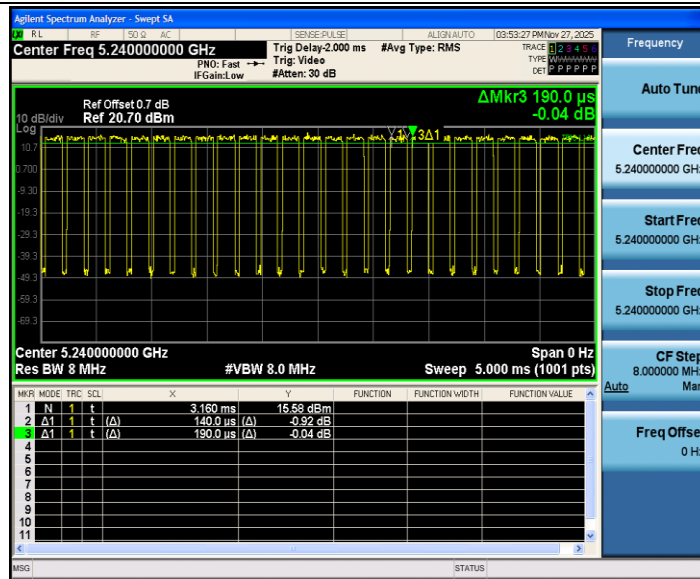
Trig Delay: 2.000 ms #Avg Type: RMS

Ref Offset 0.7 dB Ref 20.70 dBm

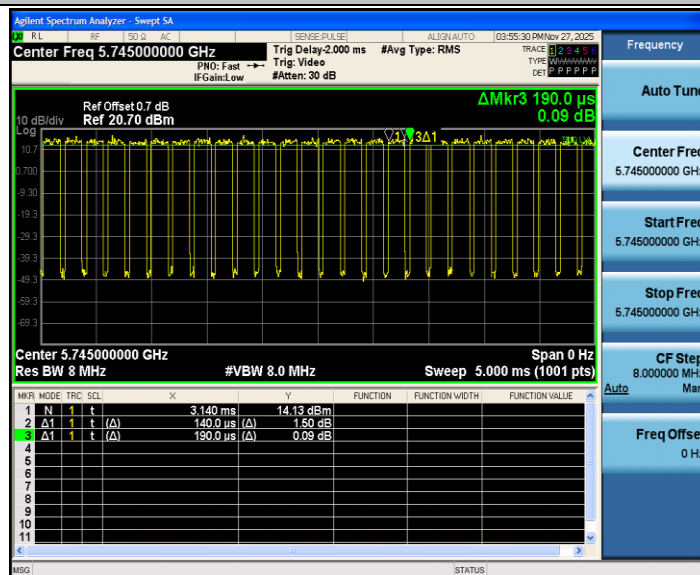
ΔMkr3 200.0 μs -0.15 dB

Center 5.220000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 5.000 ms (1001 pts)

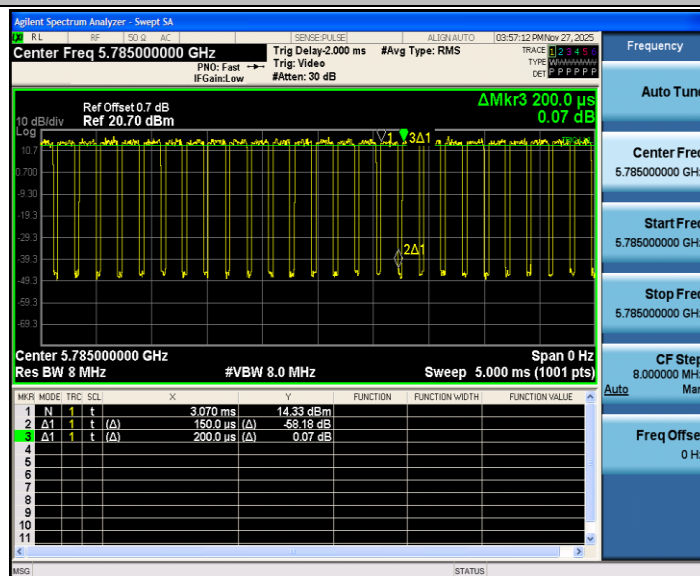
MFR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	4.460 ms	15.14 dBm			
2	Δ1	1	t	150.0 μs (Δ)	-62.73 dB			
3	Δ1	1	t	200.0 μs (Δ)	-0.15 dB			



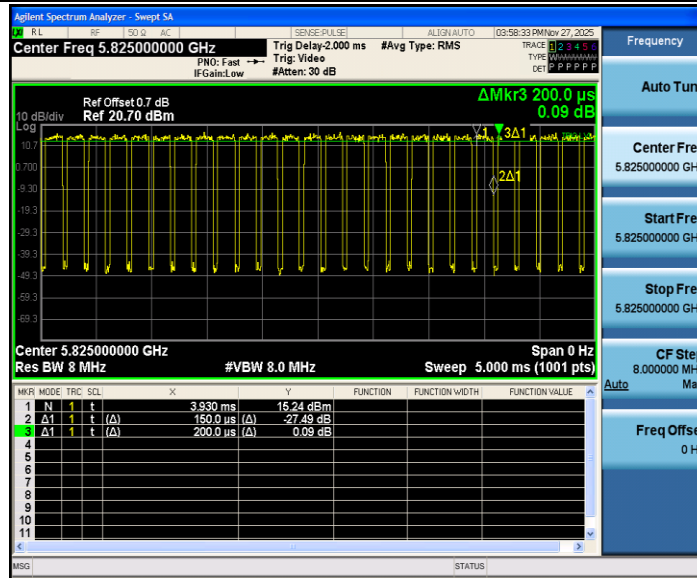
11A_Ant1_5745



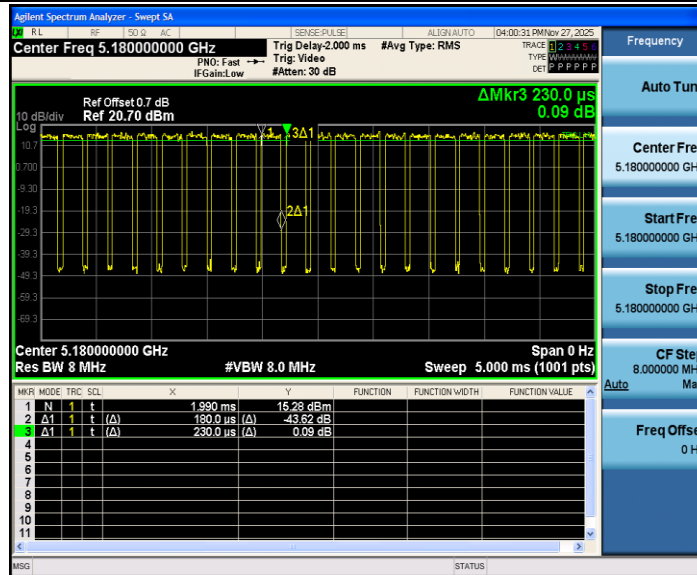
11A_Ant1_5785



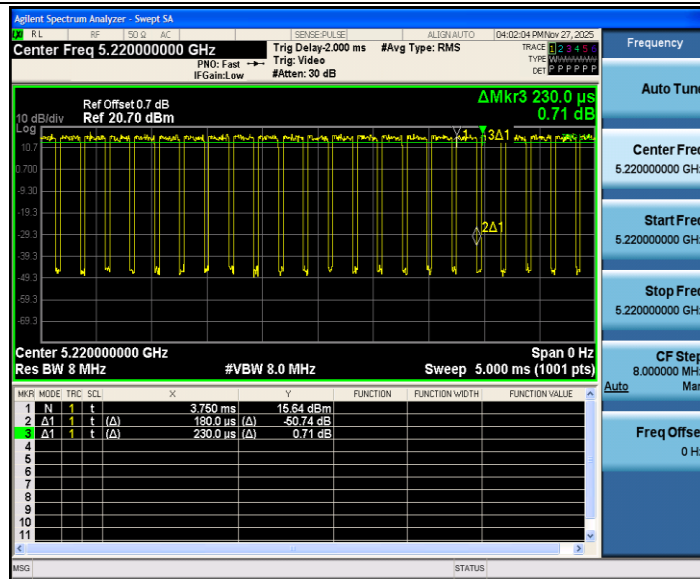
11A_Ant1_5825



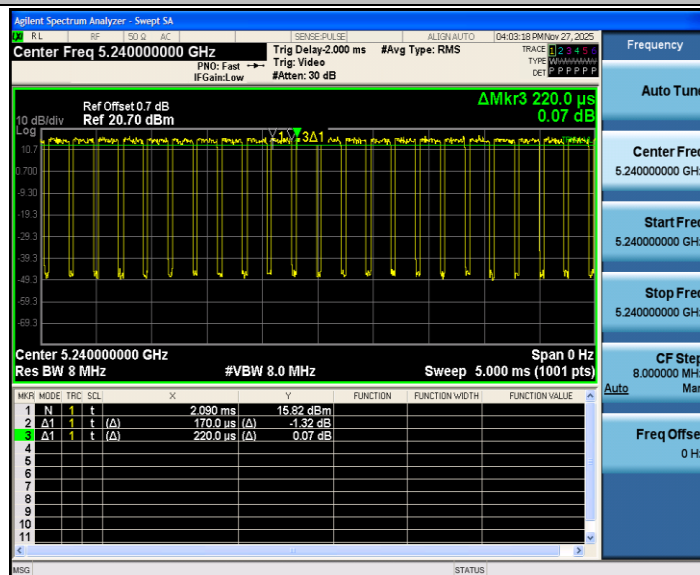
11N20SISO_Ant1_5180



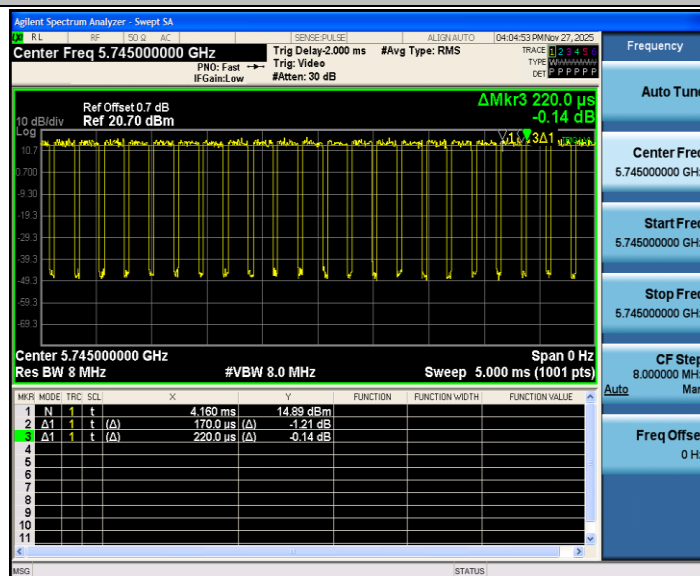
11N20SISO_Ant1_5220



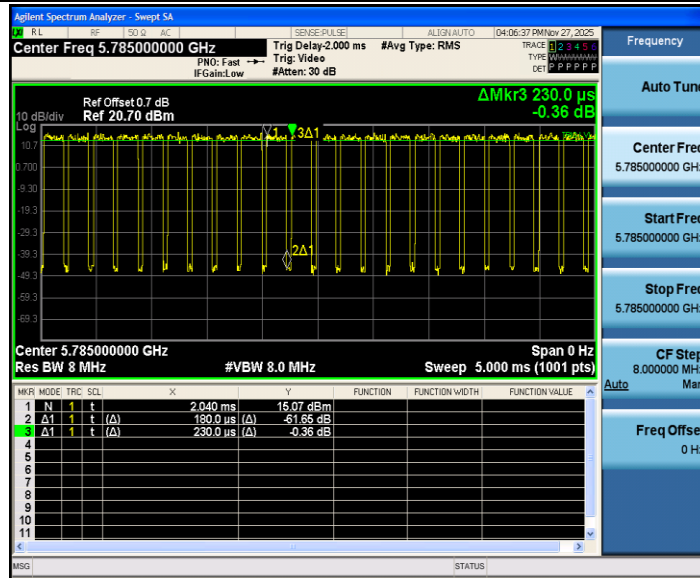
11N20SISO_Ant1_5240



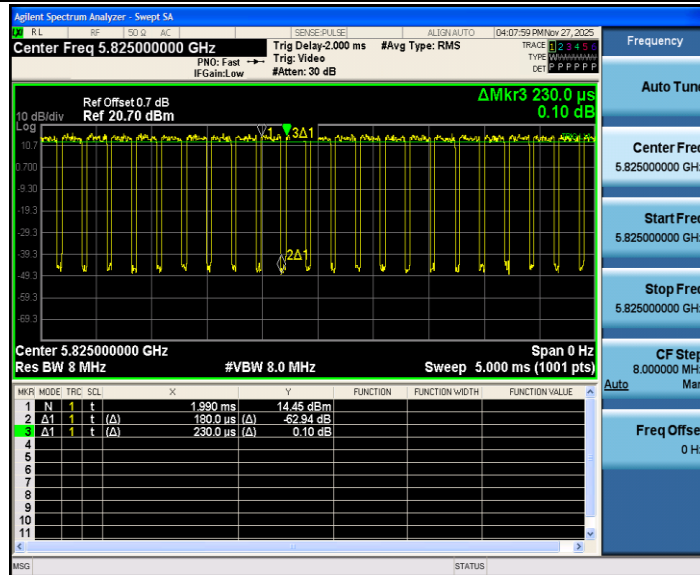
11N20SISO_Ant1_5745



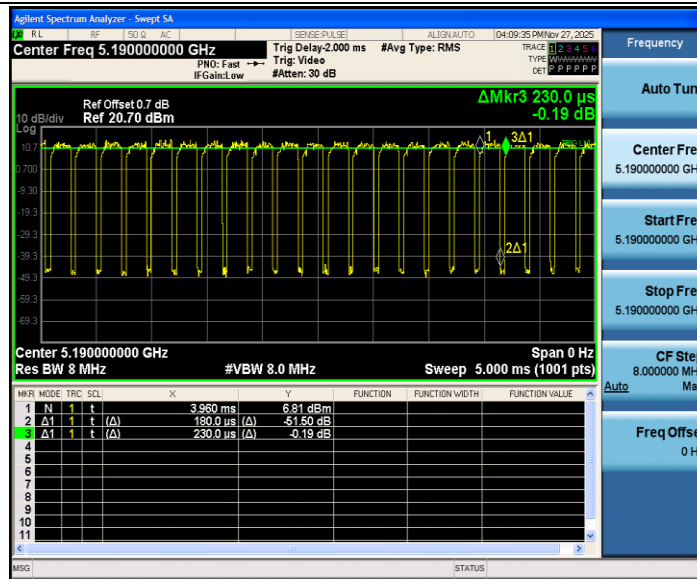
11N20SISO_Ant1_5785



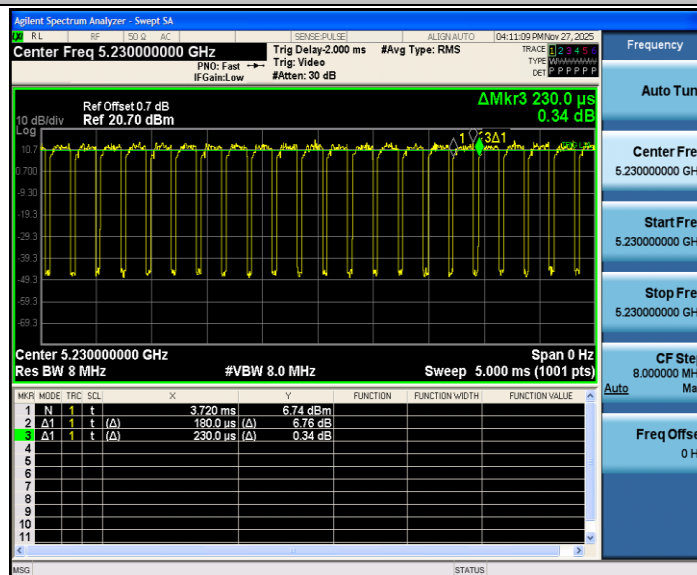
11N20SISO_Ant1_5825



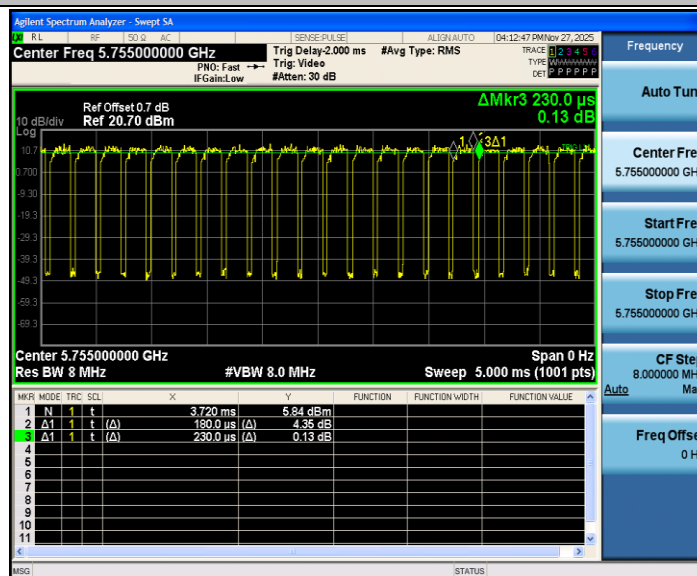
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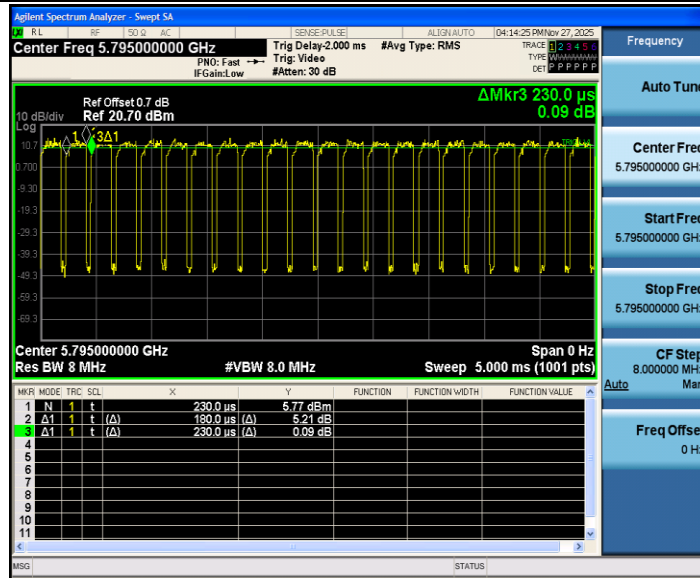
11N40SISO_Ant1_5230



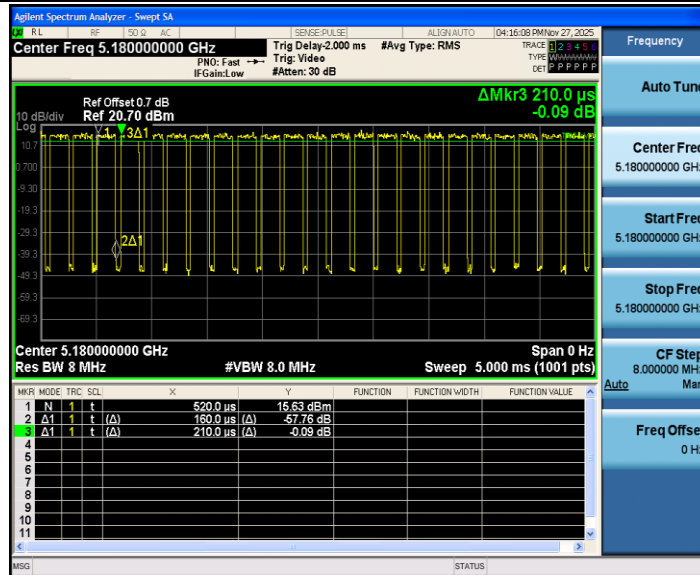
11N40SISO_Ant1_5755



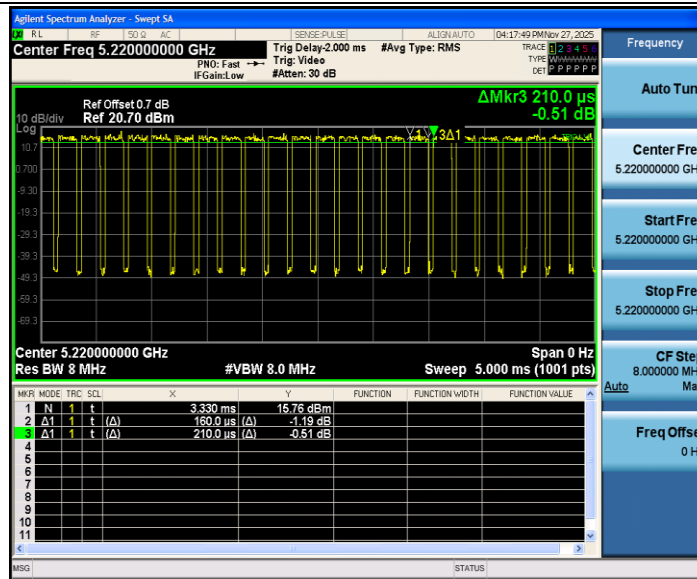
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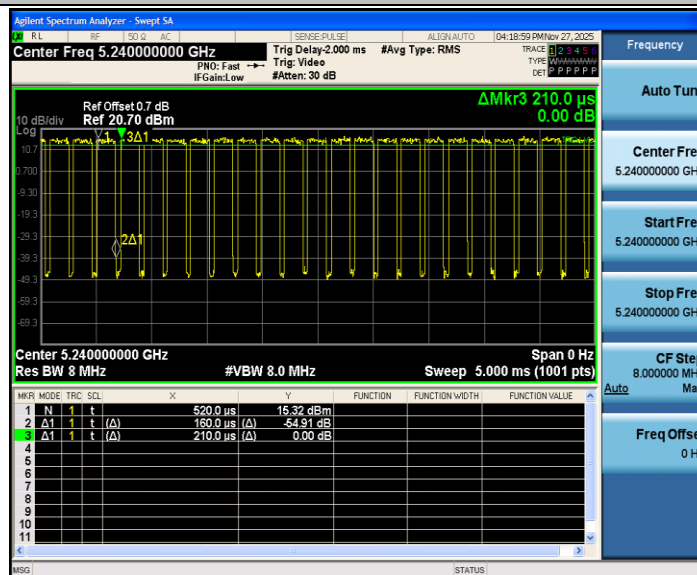
11AC20SISO_Ant1_5180



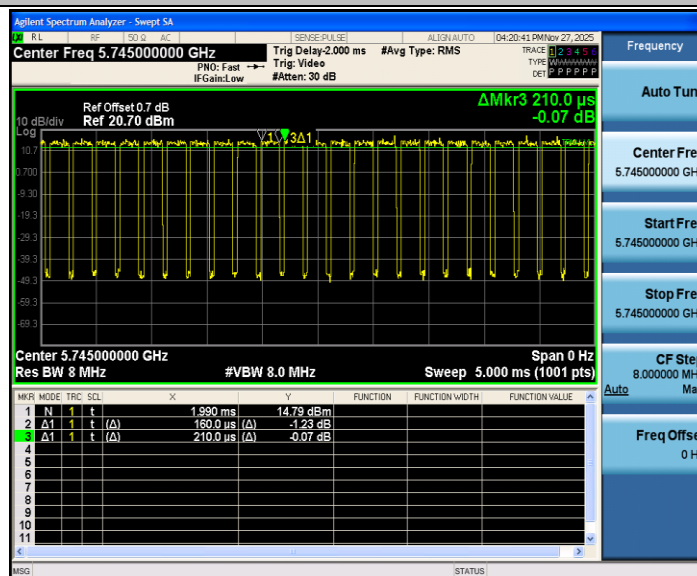
11AC20SISO_Ant1_5220



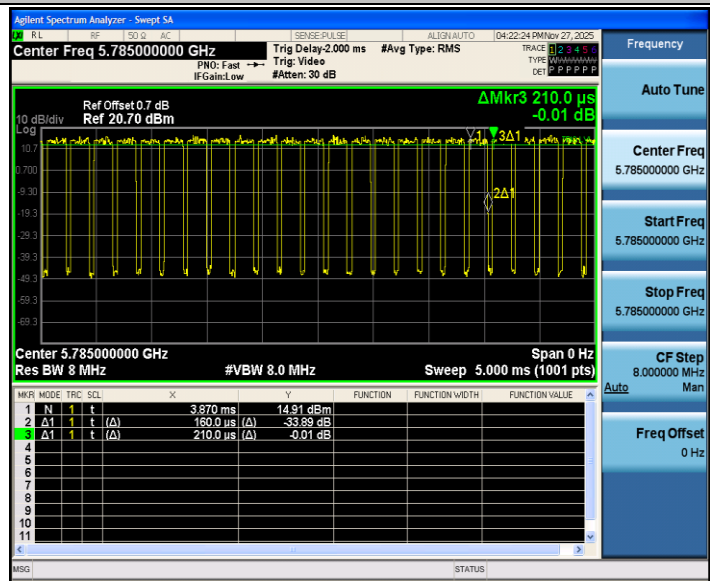
11AC20SISO_Ant1_5240



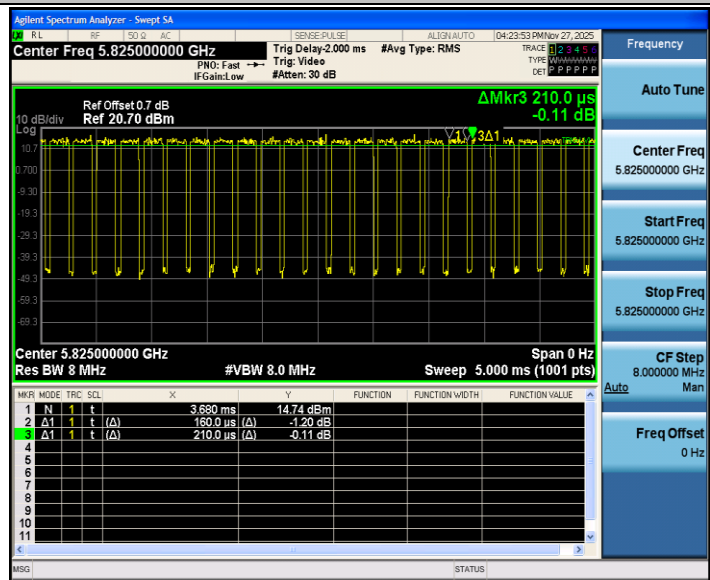
11AC20SISO_Ant1_5745



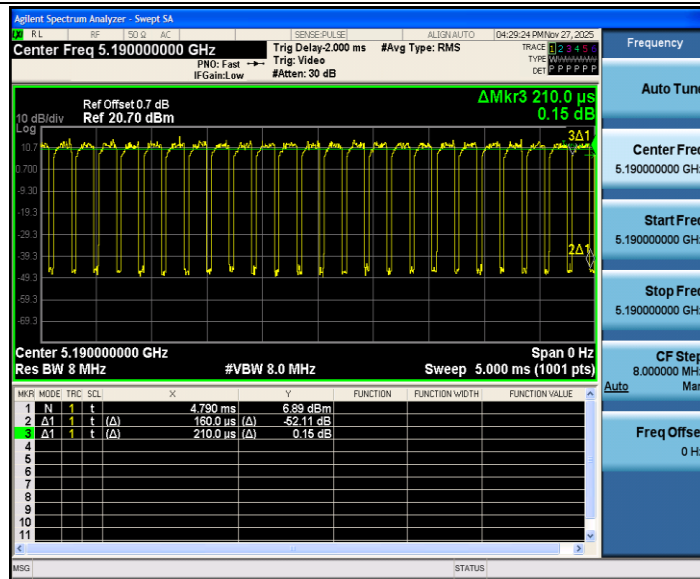
11AC20SISO_Ant1_5785



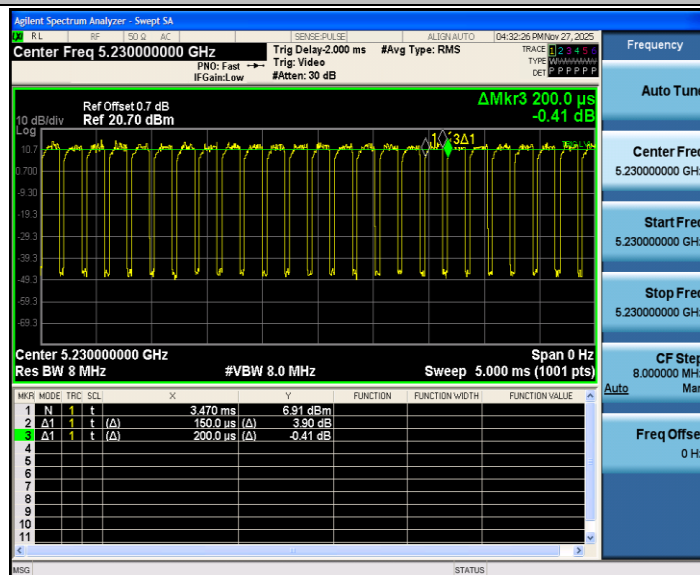
11AC20SISO_Ant1_5825



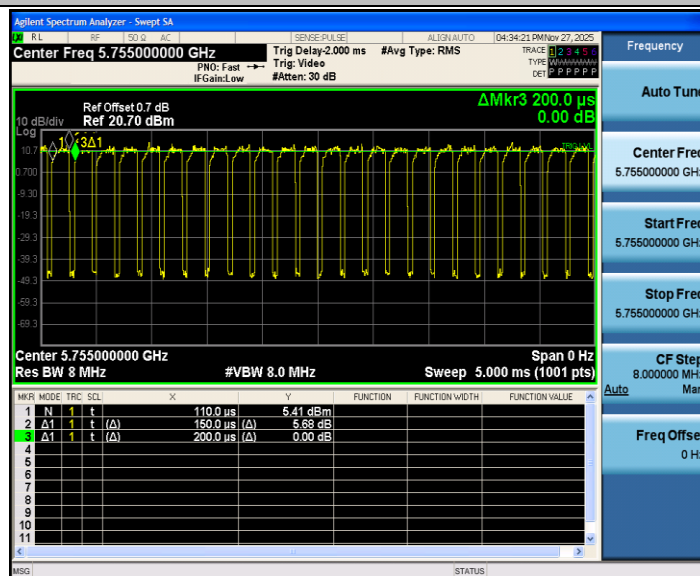
11AC40SISO_Ant1_5190



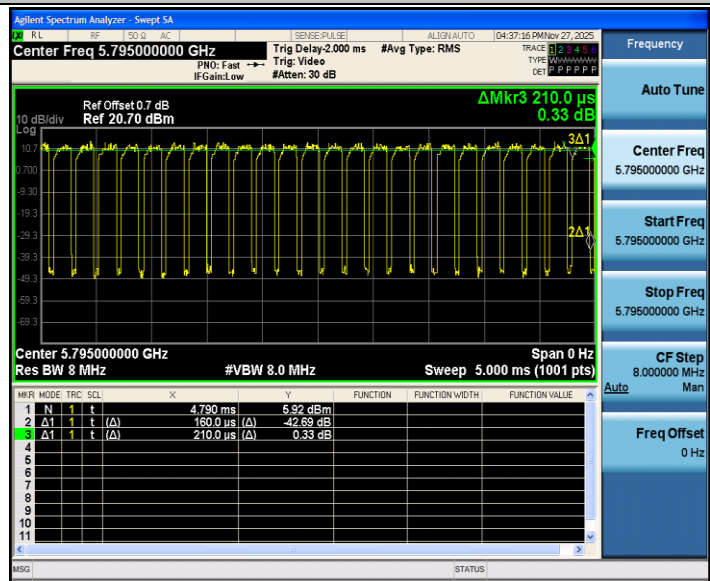
11AC40SISO_Ant1_5230



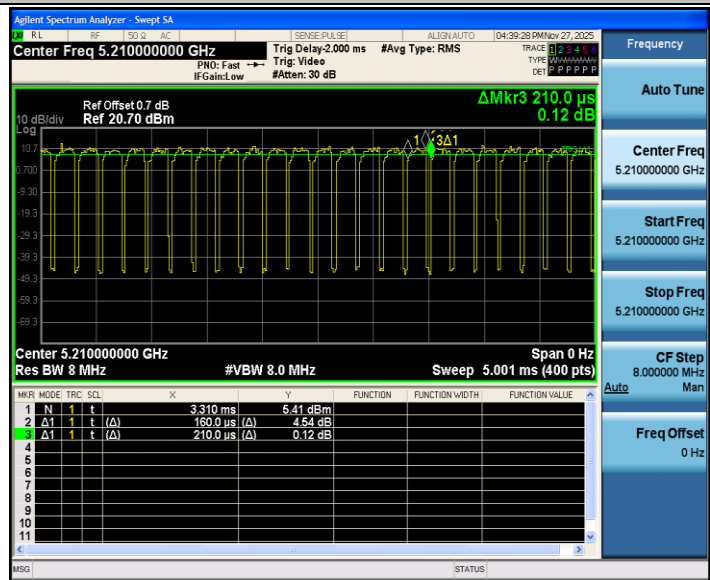
11AC40SISO_Ant1_5755



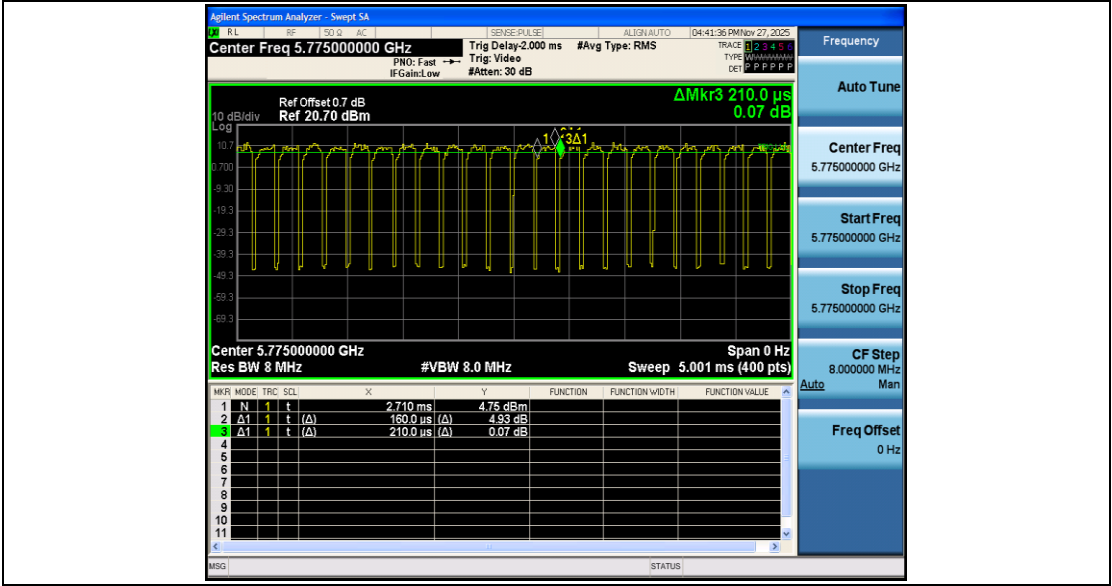
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



Appendix C: 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	5180	11.09	75.00	1.25	12.34	≤23.98	PASS
		5220	11.28	75.00	1.25	12.53	≤23.98	PASS
		5240	11.01	73.68	1.33	12.34	≤23.98	PASS
		5745	10.90	73.68	1.33	12.23	≤30.00	PASS
		5785	11.12	75.00	1.25	12.37	≤30.00	PASS
		5825	10.92	75.00	1.25	12.17	≤30.00	PASS
11N20SI SO	Ant1	5180	11.25	78.26	1.06	12.31	≤23.98	PASS
		5220	11.41	78.26	1.06	12.47	≤23.98	PASS
		5240	11.20	77.27	1.12	12.32	≤23.98	PASS
		5745	11.03	77.27	1.12	12.15	≤30.00	PASS
		5785	11.22	78.26	1.06	12.28	≤30.00	PASS
		5825	11.05	78.26	1.06	12.11	≤30.00	PASS
11N40SI SO	Ant1	5190	11.40	78.26	1.06	12.46	≤23.98	PASS
		5230	11.42	78.26	1.06	12.48	≤23.98	PASS
		5755	11.27	78.26	1.06	12.33	≤30.00	PASS
		5795	11.41	78.26	1.06	12.47	≤30.00	PASS
11AC20S ISO	Ant1	5180	11.23	76.19	1.18	12.41	≤23.98	PASS
		5220	11.35	76.19	1.18	12.53	≤23.98	PASS
		5240	11.09	76.19	1.18	12.27	≤23.98	PASS
		5745	10.99	76.19	1.18	12.17	≤30.00	PASS
		5785	11.15	76.19	1.18	12.33	≤30.00	PASS
		5825	11.03	76.19	1.18	12.21	≤30.00	PASS
11AC40S ISO	Ant1	5190	11.27	76.19	1.18	12.45	≤23.98	PASS
		5230	11.26	75.00	1.25	12.51	≤23.98	PASS
		5755	11.10	75.00	1.25	12.35	≤30.00	PASS
		5795	11.22	76.19	1.18	12.40	≤30.00	PASS
11AC80S ISO	Ant1	5210	11.71	76.19	1.18	12.89	≤23.98	PASS
		5775	11.46	76.19	1.18	12.64	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/1MHz] For 5.2G	RBW Factor (dB)	Duty factor (dB)	Result [dBm/MHz] For 5.2G	Limit[dBm/MHz] For 5.2G	Verdict
			Result [dBm/300KHz] For 5.8G			Result [dBm/500kHz] For 5.8G	Limit[dBm/500kHz] For 5.8G	
11A	Ant1	5180	1.014	/	1.25	2.26	≤11.00	PASS
		5220	1.093	/	1.25	2.34	≤11.00	PASS
		5240	1.033	/	1.33	2.36	≤11.00	PASS
		5745	-4.436	2.22	1.33	-0.89	≤30.00	PASS
		5785	-4.371	2.22	1.25	-0.90	≤30.00	PASS
		5825	-4.278	2.22	1.25	-0.81	≤30.00	PASS
11N20SISO	Ant1	5180	1.121	/	1.06	2.18	≤11.00	PASS
		5220	1.180	/	1.06	2.24	≤11.00	PASS
		5240	0.824	/	1.12	1.94	≤11.00	PASS
		5745	-4.404	2.22	1.12	-1.06	≤30.00	PASS
		5785	-4.341	2.22	1.06	-1.06	≤30.00	PASS
		5825	-4.486	2.22	1.06	-1.21	≤30.00	PASS
11N40SISO	Ant1	5190	-2.026	/	1.06	-0.97	≤11.00	PASS
		5230	-2.304	/	1.06	-1.24	≤11.00	PASS
		5755	-7.611	2.22	1.06	-4.33	≤30.00	PASS
		5795	-7.140	2.22	1.06	-3.86	≤30.00	PASS
11AC20SISO	Ant1	5180	1.017	/	1.18	2.20	≤11.00	PASS

		5220	1.173	/	1.18	2.35	≤11.00	PASS
		5240	0.895	/	1.18	2.08	≤11.00	PASS
		5745	-4.430	2.22	1.18	-1.03	≤30.00	PASS
		5785	-4.424	2.22	1.18	-1.02	≤30.00	PASS
		5825	-4.803	2.22	1.18	-1.40	≤30.00	PASS
11AC40SISO	Ant1	5190	-2.349	/	1.18	-1.17	≤11.00	PASS
		5230	-2.204	/	1.25	-0.95	≤11.00	PASS
		5755	-7.192	2.22	1.25	-3.72	≤30.00	PASS
		5795	-7.434	2.22	1.18	-4.03	≤30.00	PASS
11AC80SISO	Ant1	5210	-4.596	/	1.18	-3.42	≤11.00	PASS
		5775	-9.664	2.22	1.18	-6.26	≤30.00	PASS

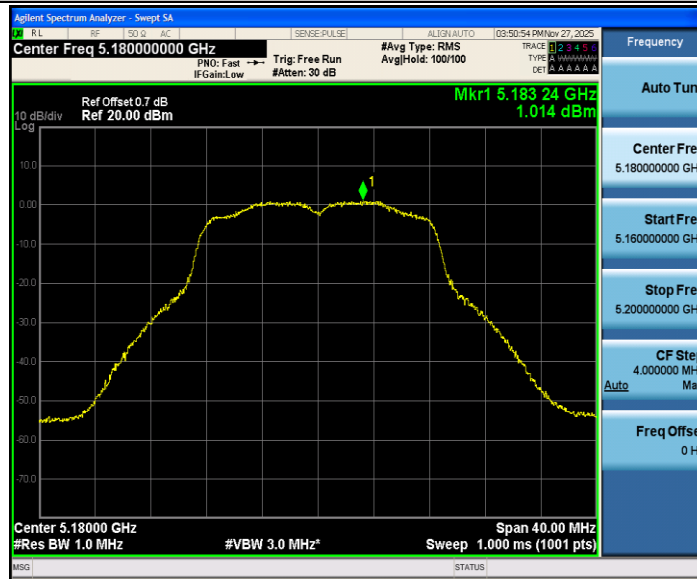
Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

P.S.D(dBm/500KHz)= P.S.D(dBm/300KHz)+10 log (500 kHz/300KHz).

2. RBW factor= 10 log (500 KHz /300 KHz) = 2.22 dB

Test Graphs

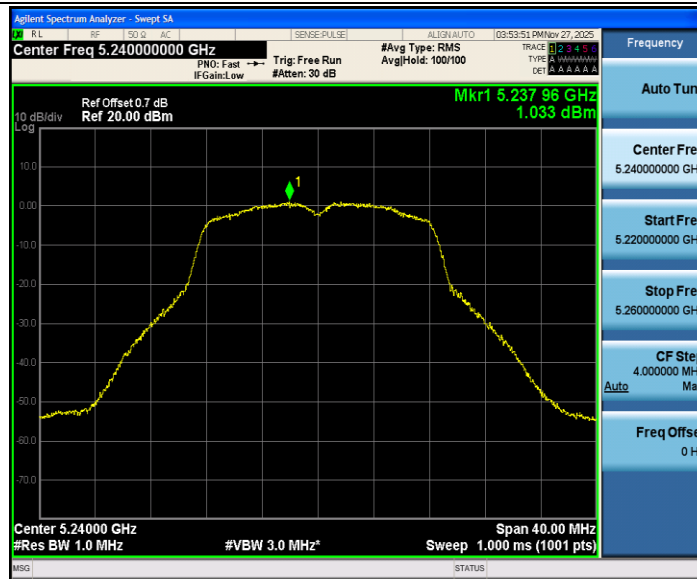
11A_Ant1_5180



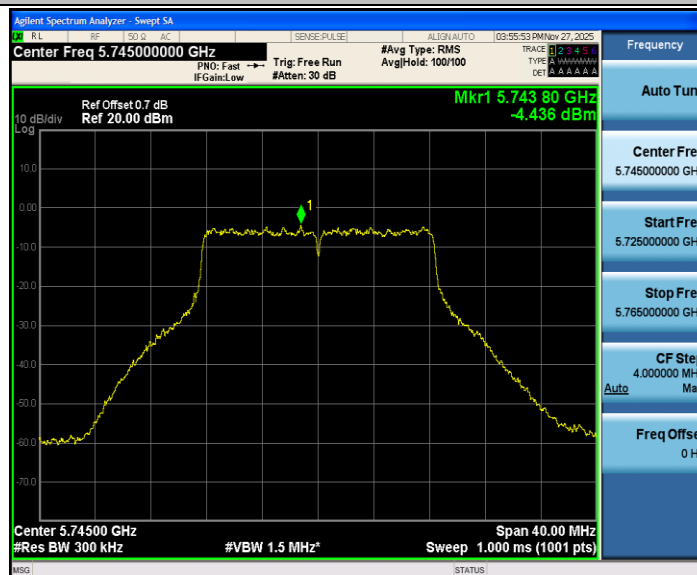
11A_Ant1_5220



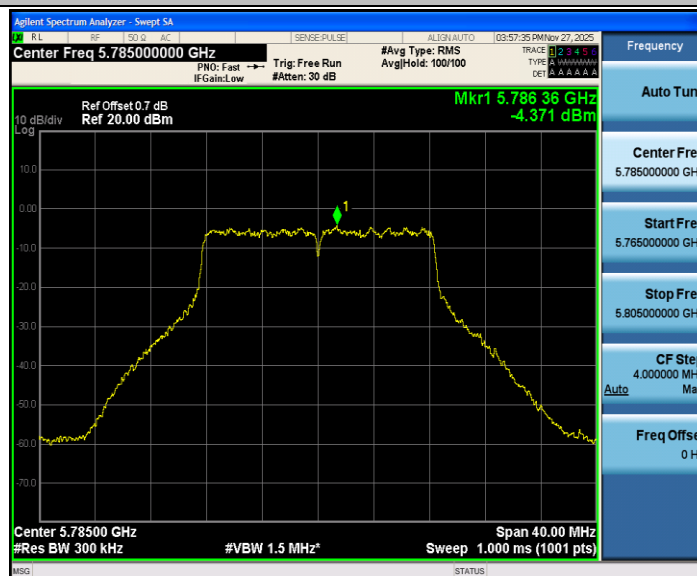
11A_Ant1_5240



11A_Ant1_5745



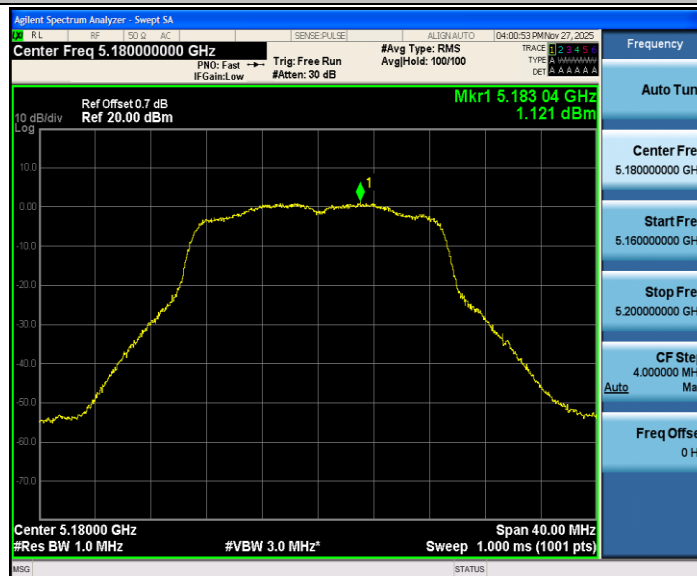
11A_Ant1_5785



11A_Ant1_5825



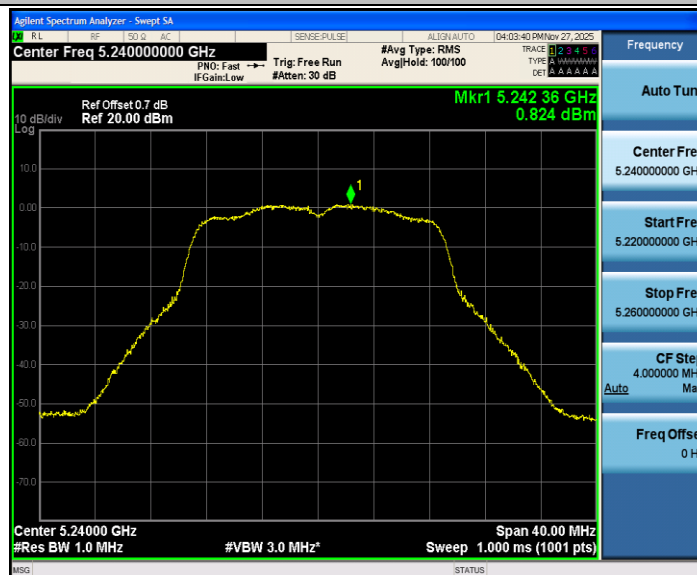
11N20SISO_Ant1_5180



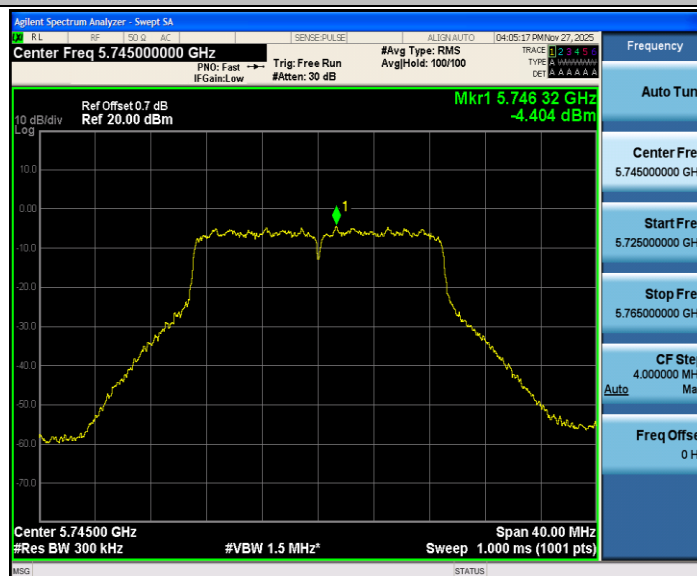
11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



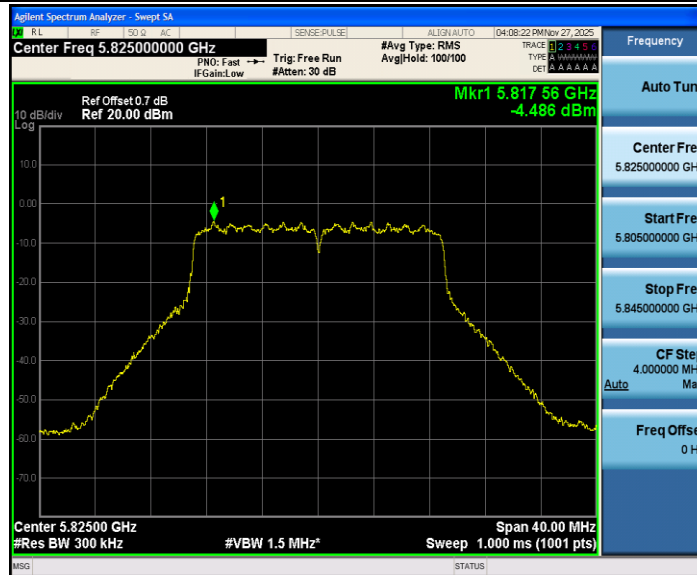
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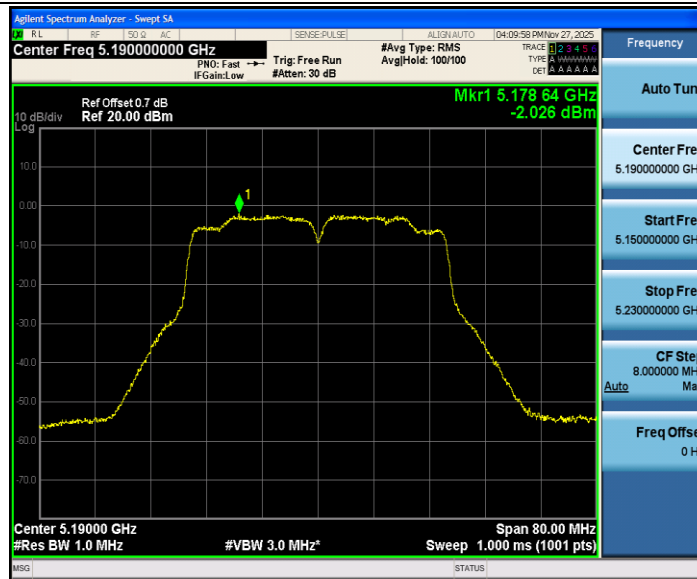
11N20SISO_Ant1_5785



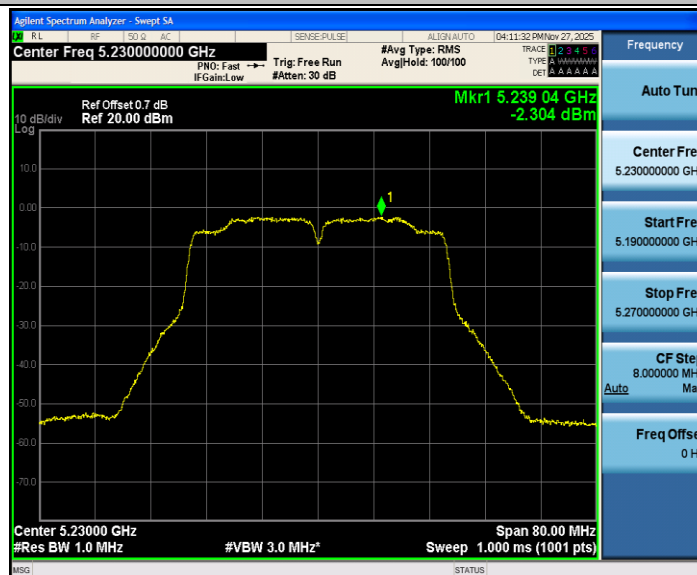
11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



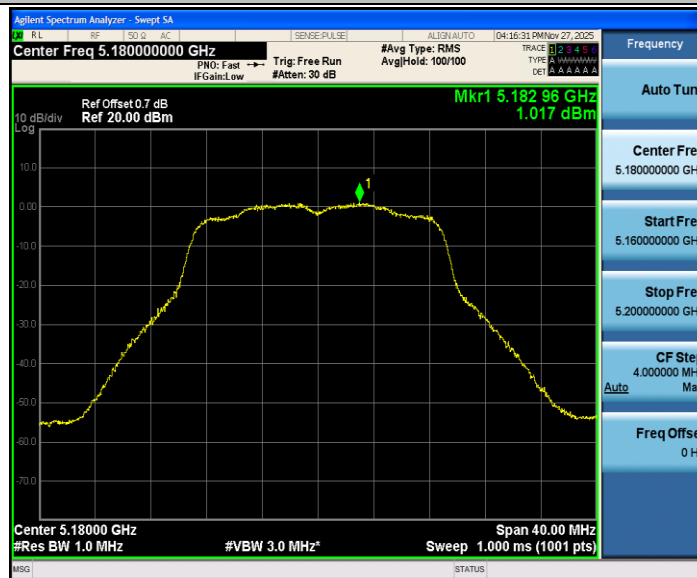
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



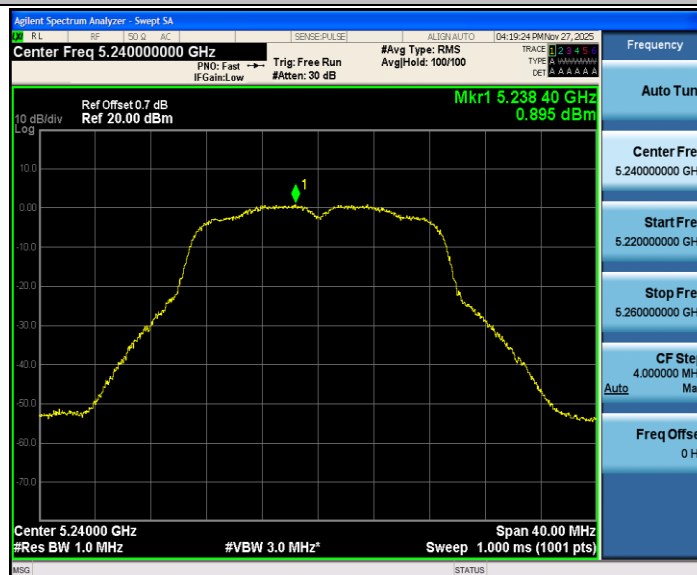
11AC20SISO_Ant1_5180



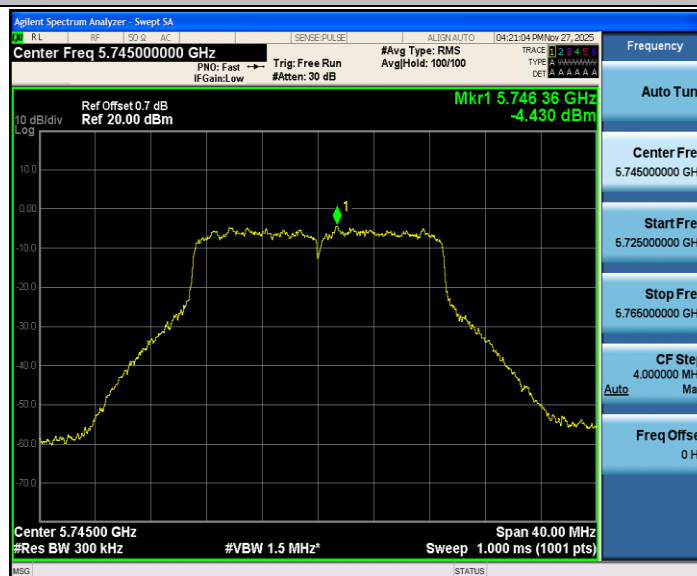
11AC20SISO_Ant1_5220



11AC20SISO_Ant1_5240



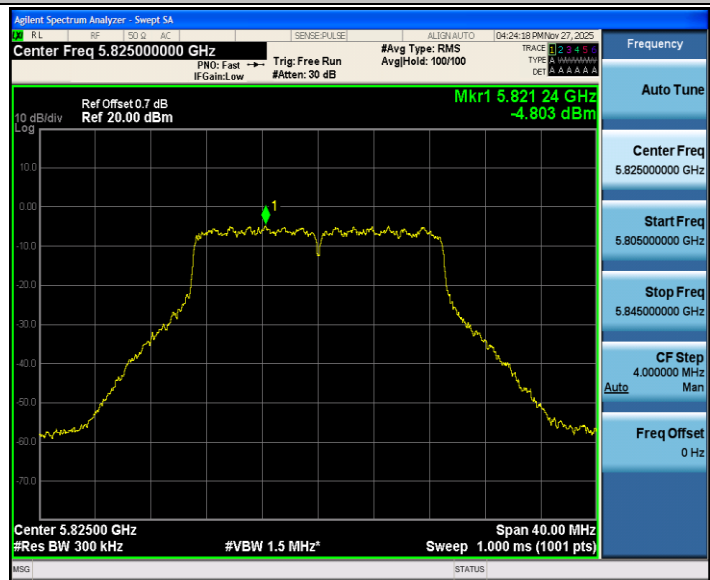
11AC20SISO_Ant1_5745



11AC20SISO_Ant1_5785



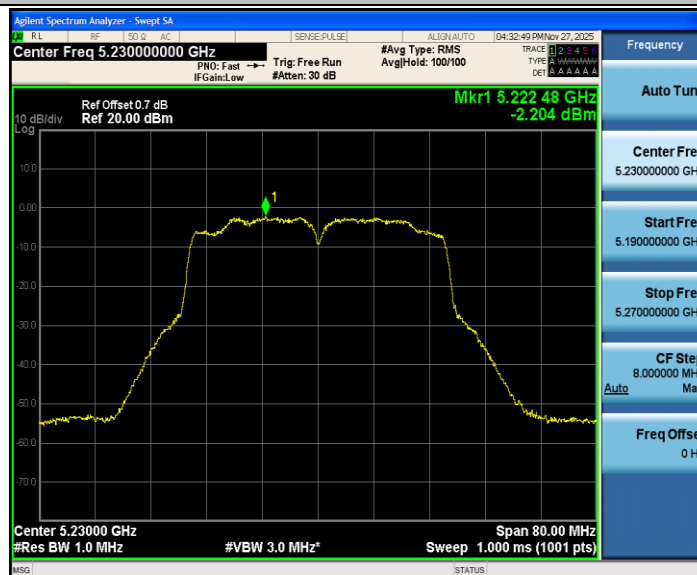
11AC20SISO_Ant1_5825



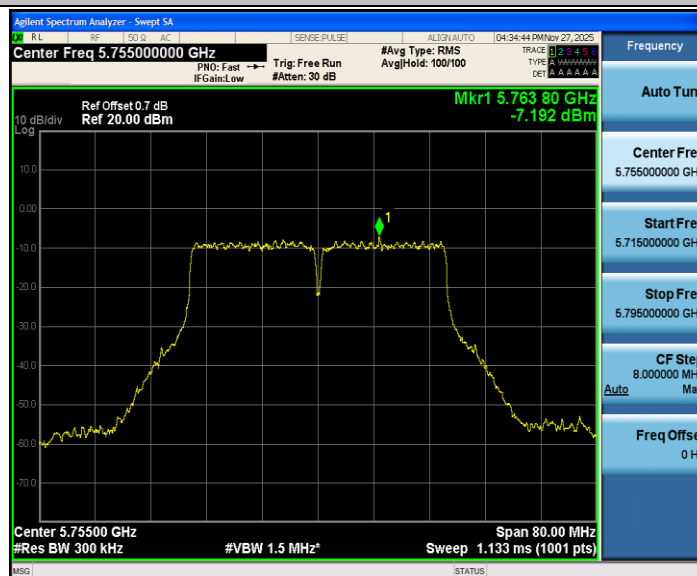
11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210



11AC80SISO_Ant1_5775



Appendix E: Band edge measurements

Test Result B1

TestMode	Antenna	ChName	Freq(MHz)	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	Low	5180	-45.75	≤-27	PASS
		High	5240	-46.47	≤-27	PASS
11N20SISO	Ant1	Low	5180	-45.44	≤-27	PASS
		High	5240	-46.57	≤-27	PASS
11N40SISO	Ant1	Low	5190	-45.41	≤-27	PASS
		High	5230	-46.4	≤-27	PASS
11AC20SISO	Ant1	Low	5180	-46.56	≤-27	PASS
		High	5240	-46.12	≤-27	PASS
11AC40SISO	Ant1	Low	5190	-44.24	≤-27	PASS
		High	5230	-47.14	≤-27	PASS
11AC80SISO	Ant1	Low	5210	-41.32	≤-27	PASS
		High	5210	-46.01	≤-27	PASS

Test Result B4

TestMode	Antenna	ChName	Freq(MHz)	FreqRange [MHz]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	Low	5745	5650~5700	-49.13	≤-26.70	PASS
				5700~5720	-47.73	≤10.86	PASS
				5720~5725	-47.59	≤15.82	PASS
				5760~5650	-48.31	≤-27	PASS
		High	5825	5850~5855	-46.87	≤16.03	PASS
				5855~5875	-46.21	≤12.02	PASS
				5875~5925	-47.49	≤-26.91	PASS
				5925~5935	-48.09	≤-27	PASS
11N20SISO	Ant1	Low	5745	5650~5700	-49.51	≤-26.79	PASS
				5700~5720	-46.76	≤10.12	PASS
				5720~5725	-45.55	≤16.60	PASS
				5760~5650	-48.17	≤-27	PASS
		High	5825	5850~5855	-47.16	≤15.73	PASS
				5855~5875	-47.81	≤10.10	PASS
				5875~5925	-49.02	≤-26.81	PASS
				5925~5935	-47.81	≤-27	PASS
11N40SISO	Ant1	Low	5755	5650~5700	-49.29	≤-26.70	PASS
				5700~5720	-45.73	≤10.70	PASS
				5720~5725	-41.93	≤16.66	PASS
				5780~5650	-48.44	≤-27	PASS
		High	5795	5850~5855	-47.62	≤15.66	PASS

				5855~5875	-46.76	≤ 10.02	PASS
				5875~5925	-48.14	≤ -26.71	PASS
				5925~5935	-47.83	≤ -27	PASS
11AC20S ISO	Ant1	Low	5745	5650~5700	-48.41	≤ -26.02	PASS
				5700~5720	-47.6	≤ 10.35	PASS
				5720~5725	-45.38	≤ 17.39	PASS
				5760~5650	-48.67	≤ -27	PASS
		High	5825	5850~5855	-46.64	≤ 15.73	PASS
				5855~5875	-48.34	≤ 10.06	PASS
				5875~5925	-49.03	≤ -26.91	PASS
				5925~5935	-47.72	≤ -27	PASS
11AC40S ISO	Ant1	Low	5755	5650~5700	-49.78	≤ -26.90	PASS
				5700~5720	-44.05	≤ 11.57	PASS
				5720~5725	-40.28	≤ 16.97	PASS
				5780~5650	-47.78	≤ -27	PASS
		High	5795	5850~5855	-47.85	≤ 16.03	PASS
				5855~5875	-46.98	≤ 10.29	PASS
				5875~5925	-49.38	≤ -26.71	PASS
				5925~5935	-47.93	≤ -27	PASS
11AC80S ISO	Ant1	Low	5775	5650~5700	-48.46	≤ -26.34	PASS
				5700~5720	-41.16	≤ 10.96	PASS
				5720~5725	-39.51	≤ 18.83	PASS
				5800~5650	-47.55	≤ -27	PASS
		High	5775	5850~5855	-41.51	≤ 15.84	PASS
				5855~5875	-44.3	≤ 10.35	PASS
				5875~5925	-48.43	≤ -26.87	PASS
				5925~5935	-47.93	≤ -27	PASS

Test Graphs B1

