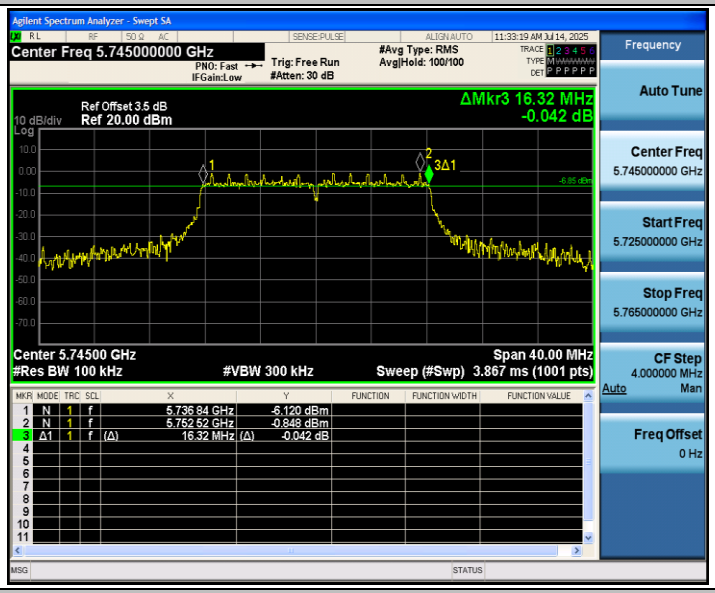
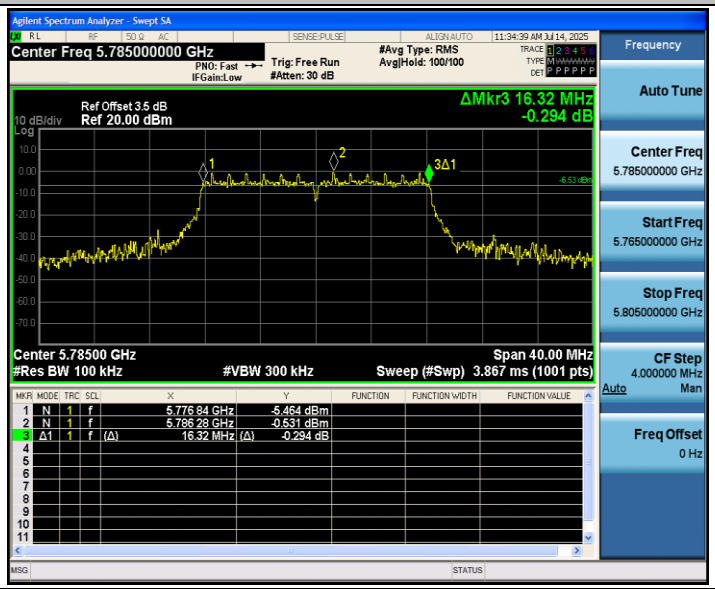
Test Graphs B4

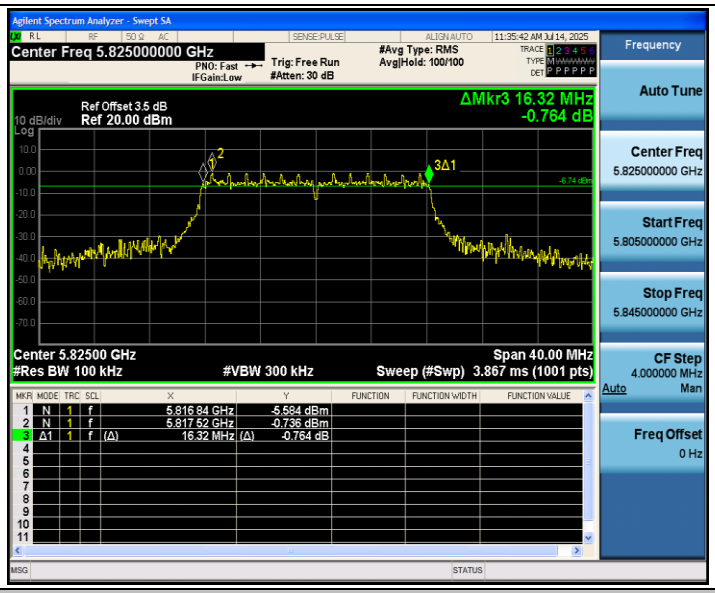
11A_Ant1_5745



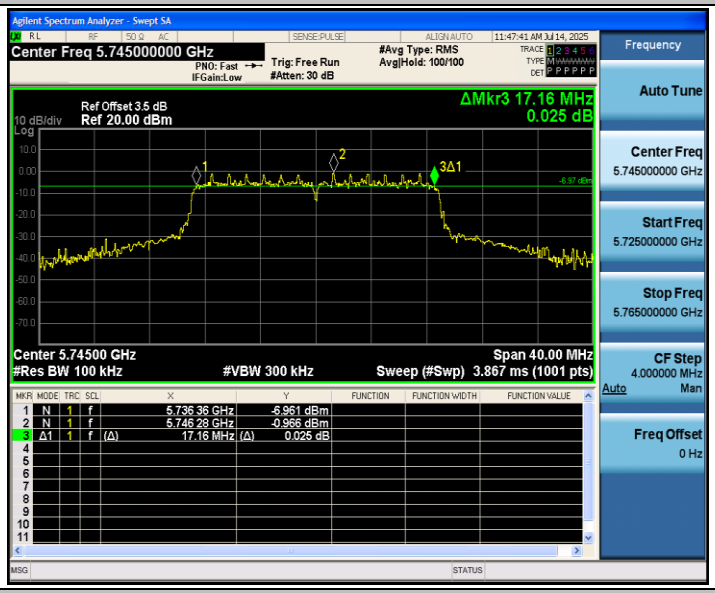
11A_Ant1_5785



11A_Ant1_5825

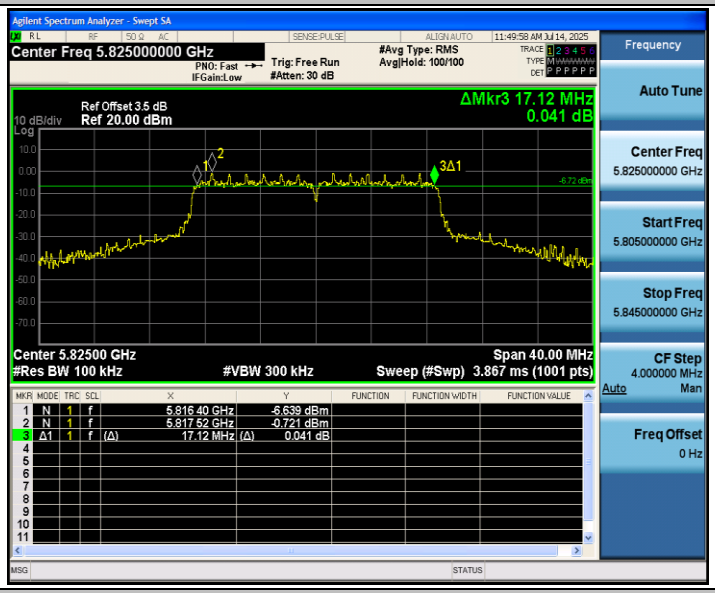


11N20SISO_Ant1_5745

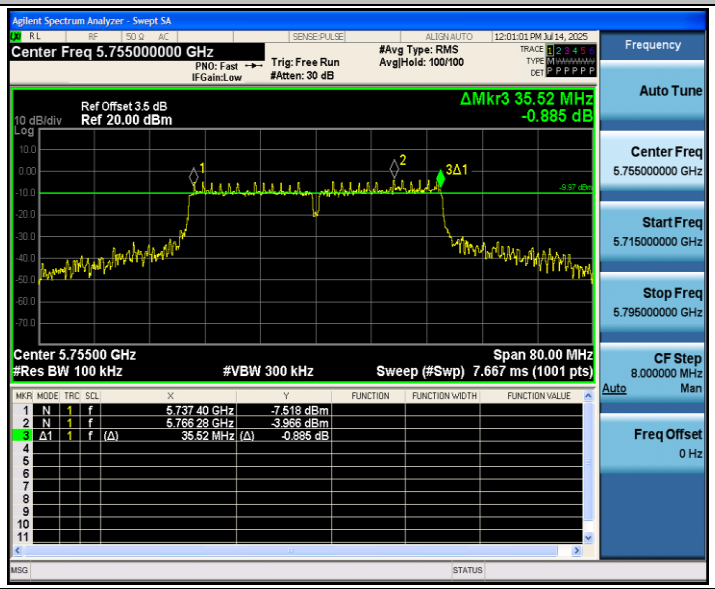


11N20SISO_Ant1_5785

11N20SISO_Ant1_5825



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

Agilent Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
12:02:27 PM Jul 14, 2025
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.755000000 GHz
Stop Freq
5.835000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz
Ref Offset 3.5 dB
Ref 20.00 dBm
10 dB/div
Log
ΔMkr3 35.92 MHz
0.219 dB
Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80.00 MHz
Sweep (#Swp) 7.667 ms (1001 pts)
1 N 1 f 5.777 08 GHz -9.172 dBm
2 N 1 f 5.806 28 GHz -3.761 dBm
3 Δ1 1 f (Δ) 35.92 MHz (Δ) 0.219 dB

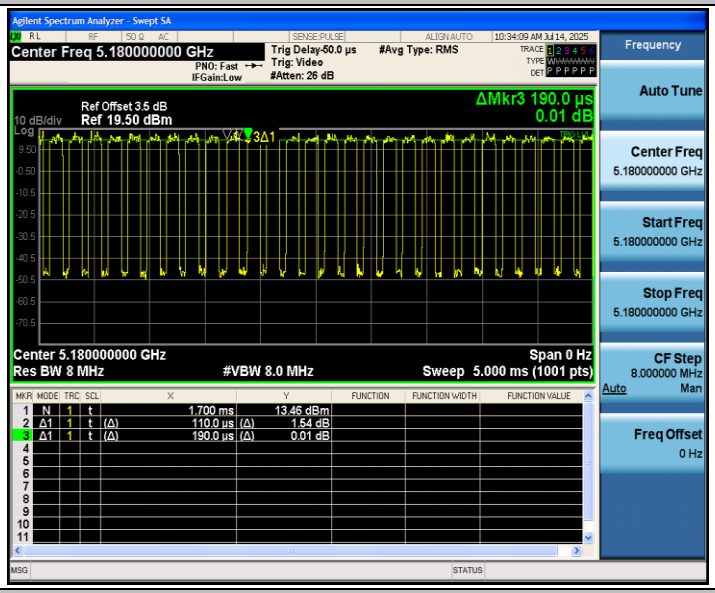
Appendix B: Duty Cycle

Test Result

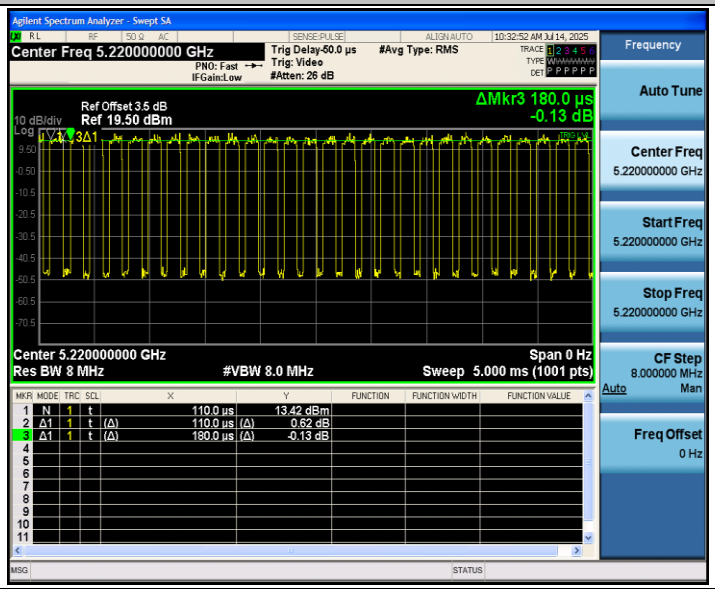
TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.11	0.19	57.89	2.37	---	---
		5220	0.11	0.18	61.11	2.14	---	---
		5240	0.11	0.18	61.11	2.14	---	---
		5260	0.11	0.17	64.71	1.89	---	---
		5300	0.11	0.17	64.71	1.89	---	---
		5320	0.11	0.19	57.89	2.37	---	---
		5500	0.11	0.19	57.89	2.37	---	---
		5580	0.11	0.19	57.89	2.37	---	---
		5700	0.11	0.17	64.71	1.89	---	---
		5745	0.11	0.19	57.89	2.37	---	---
		5785	0.11	0.19	57.89	2.37	---	---
		5825	0.11	0.18	61.11	2.14	---	---
11N20SISO	Ant1	5180	0.11	0.18	61.11	2.14	---	---
		5220	0.11	0.18	61.11	2.14	---	---
		5240	0.11	0.20	55.00	2.60	---	---
		5260	0.11	0.19	57.89	2.37	---	---
		5300	0.12	0.19	63.16	2.00	---	---
		5320	0.11	0.17	64.71	1.89	---	---
		5500	0.11	0.19	57.89	2.37	---	---
		5580	0.11	0.18	61.11	2.14	---	---
		5700	0.11	0.19	57.89	2.37	---	---
		5745	0.11	0.19	57.89	2.37	---	---
		5785	0.12	0.19	63.16	2.00	---	---
		5825	0.11	0.19	57.89	2.37	---	---
11N40SISO	Ant1	5190	0.07	0.15	46.67	3.31	---	---
		5230	0.07	0.15	46.67	3.31	---	---
		5270	0.08	0.14	57.14	2.43	---	---
		5310	0.07	0.15	46.67	3.31	---	---
		5510	0.07	0.15	46.67	3.31	---	---
		5550	0.08	0.19	42.11	3.76	---	---
		5670	0.07	0.18	38.89	4.10	---	---
		5755	0.07	0.14	50.00	3.01	---	---
		5795	0.07	0.14	50.00	3.01	---	---

Test Graphs

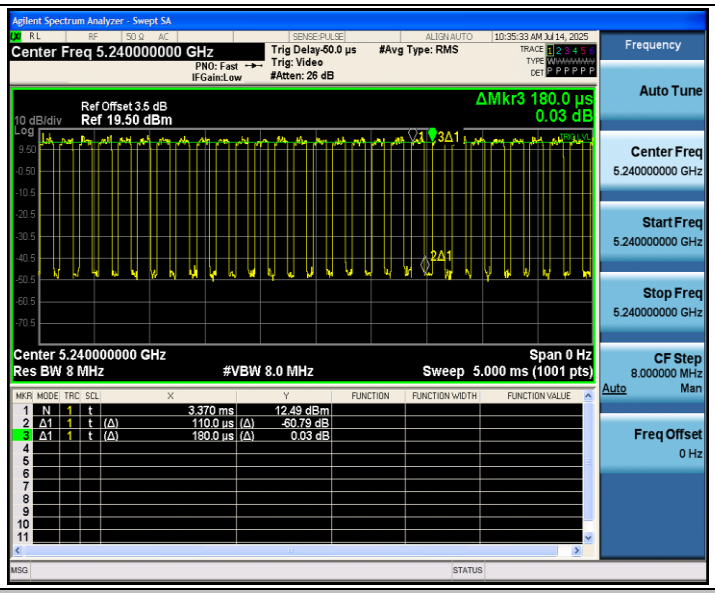
11A_Ant1_5180



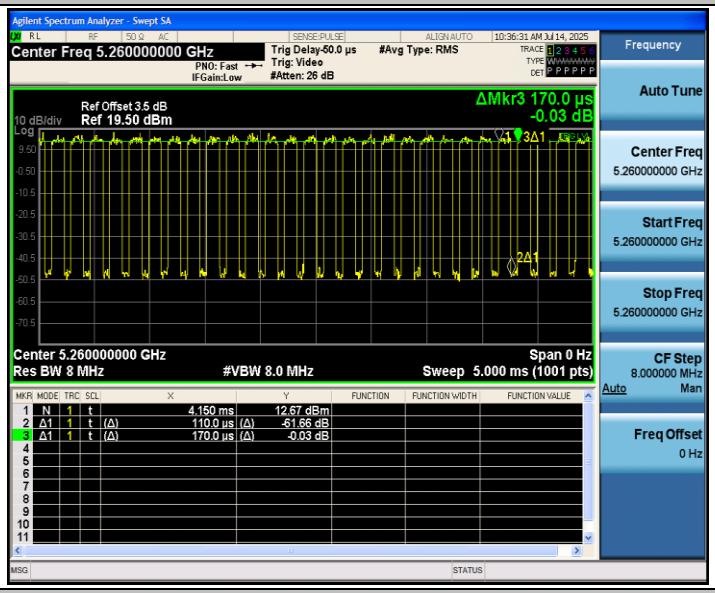
11A_Ant1_5220



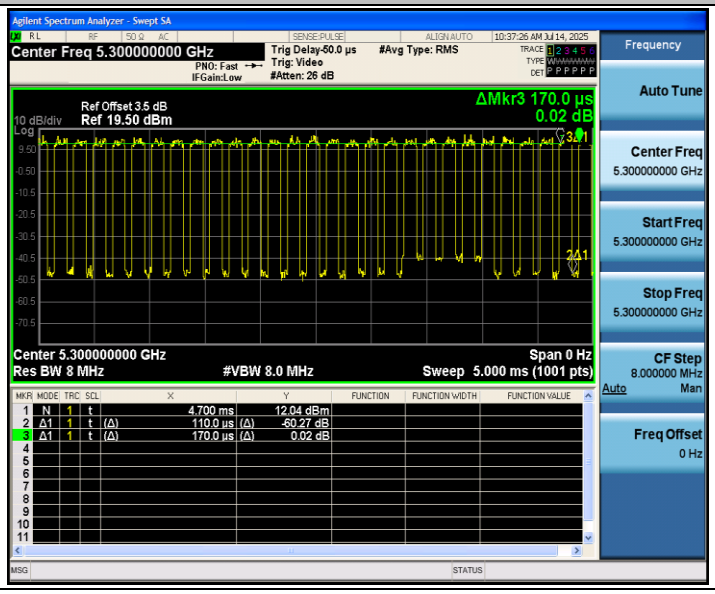
11A_Ant1_5240



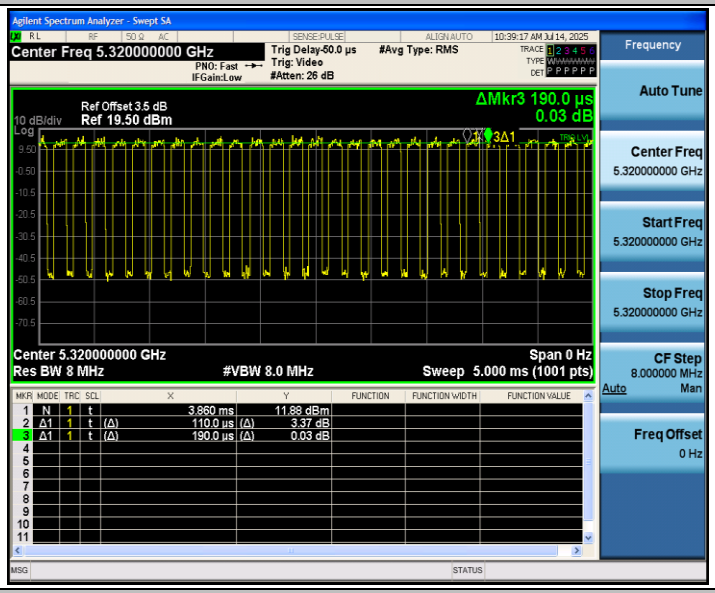
11A_Ant1_5260



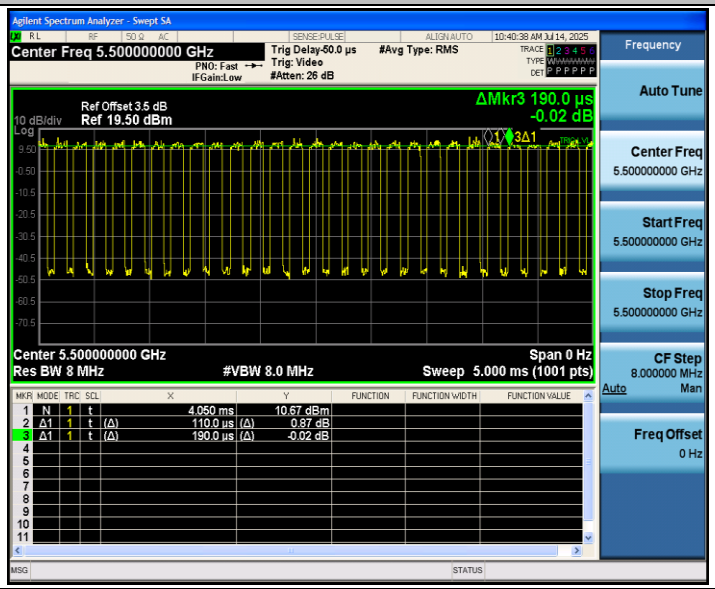
11A_Ant1_5300



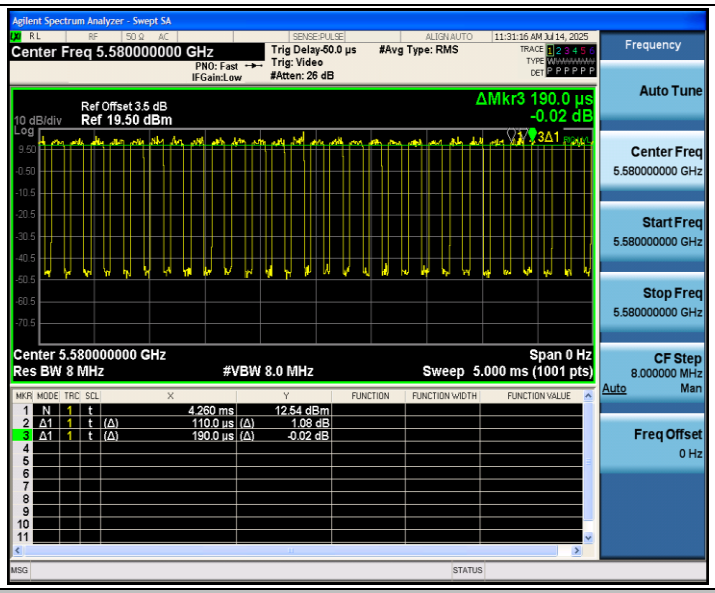
11A_Ant1_5320



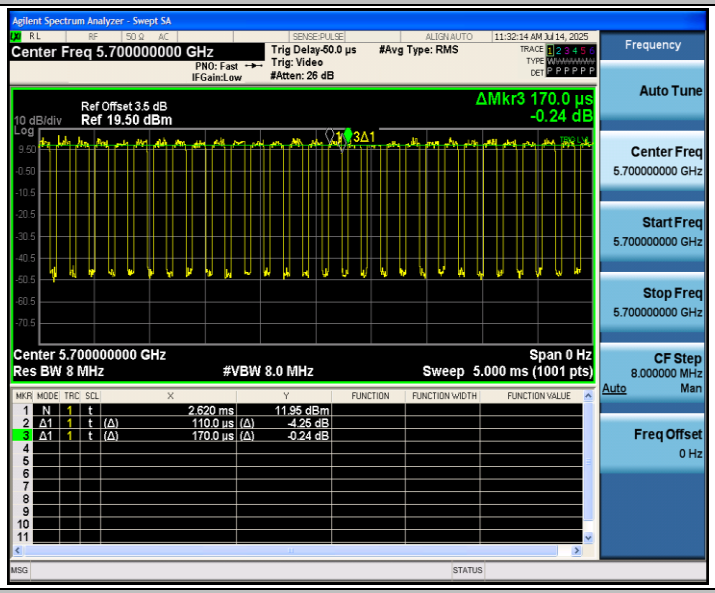
11A_Ant1_5500



11A_Ant1_5580



11A_Ant1_5700



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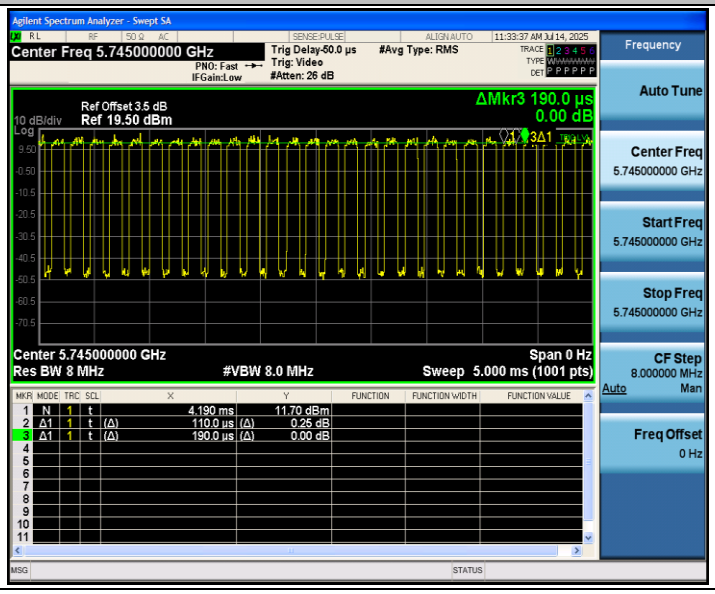
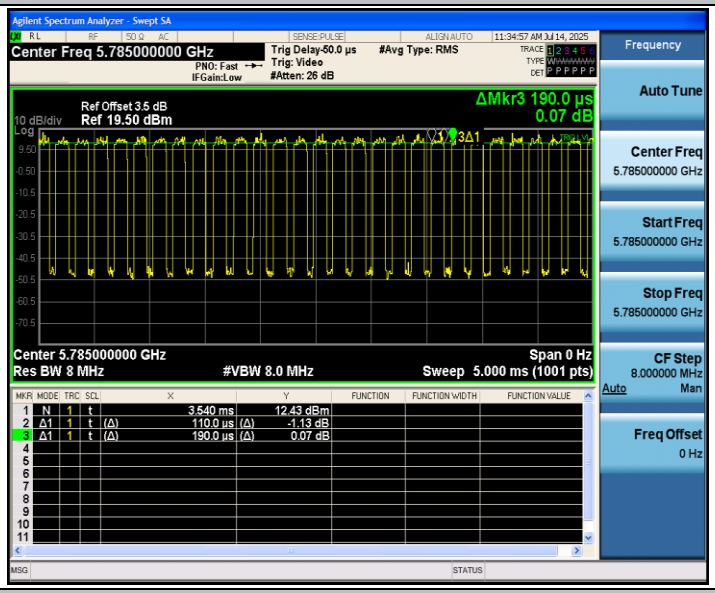
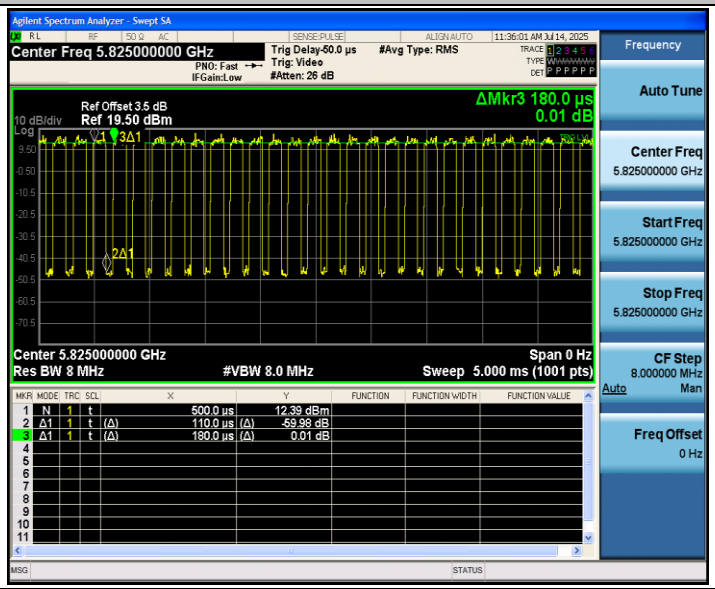


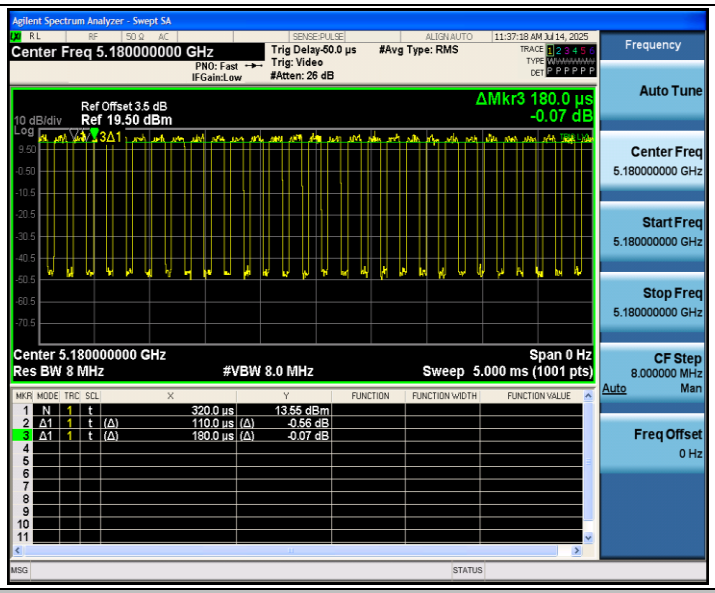
11A_Ant1_5785



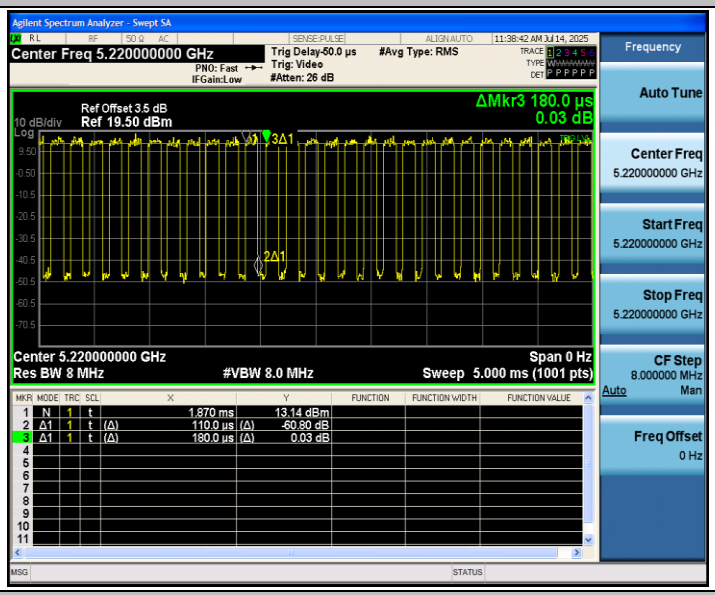
11A_Ant1_5825



11N20SISO_Ant1_5180



11N20SISO_Ant1_5220



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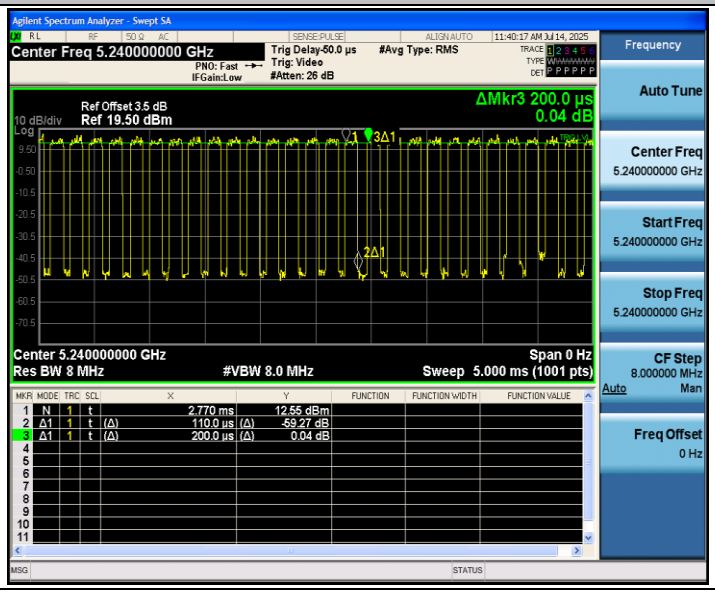

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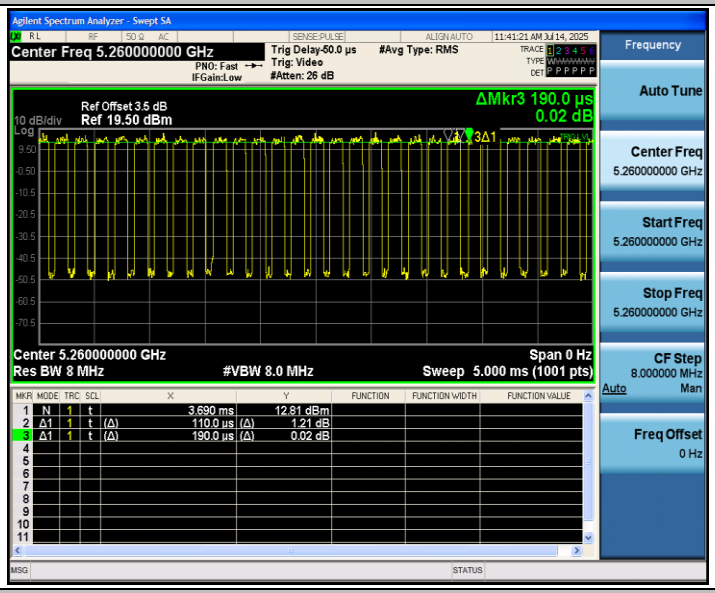

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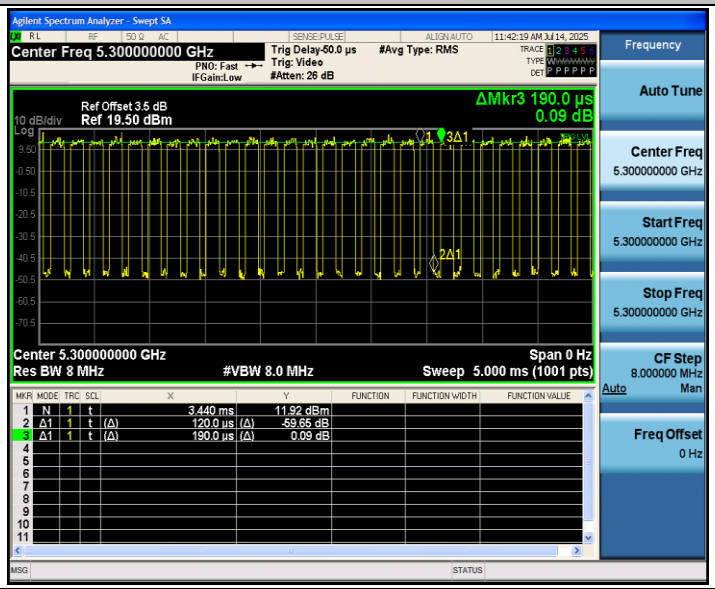
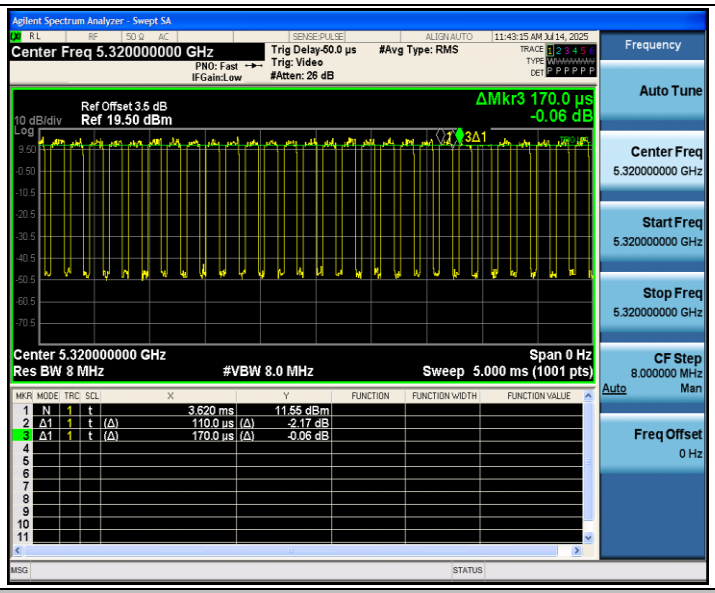
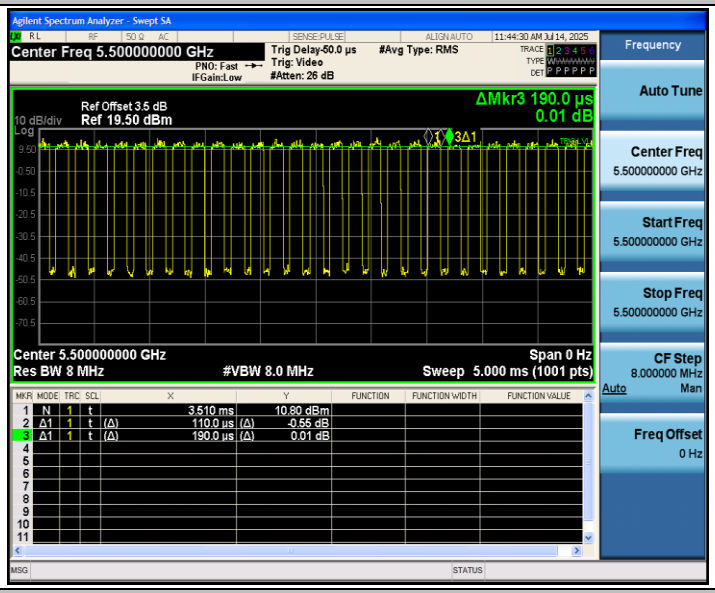


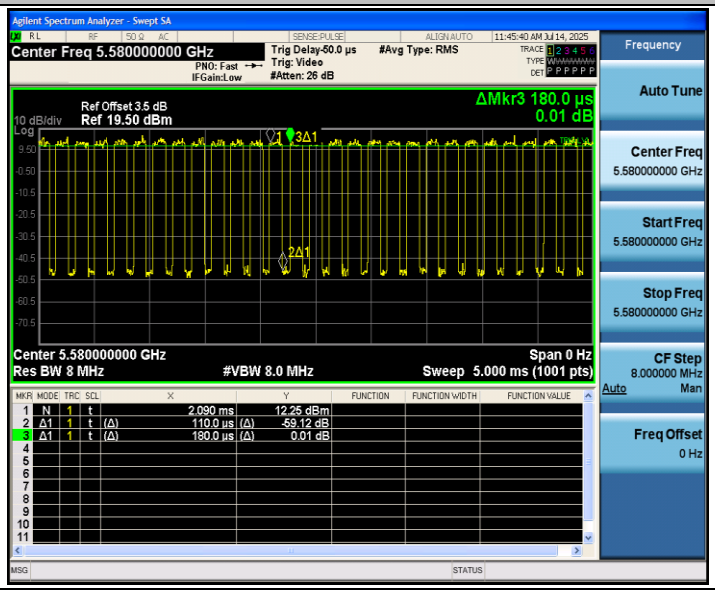
11N20SISO_Ant1_5320



11N20SISO_Ant1_5500



11N20SISO_Ant1_5580



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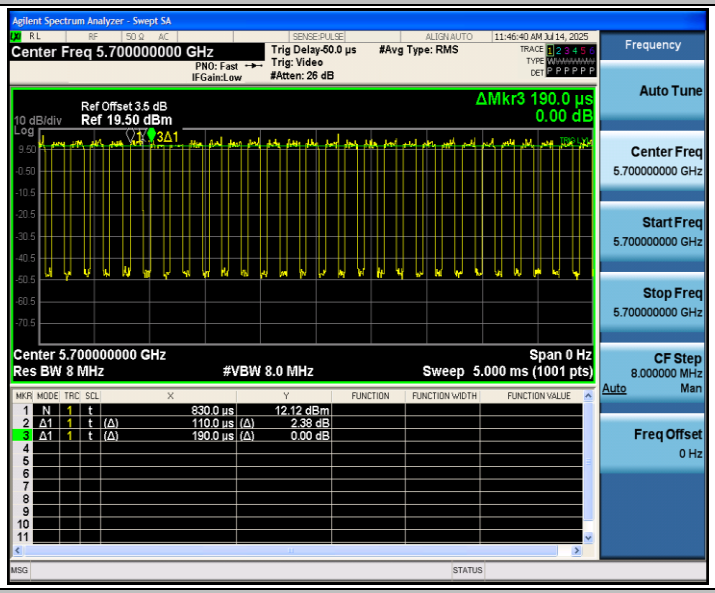
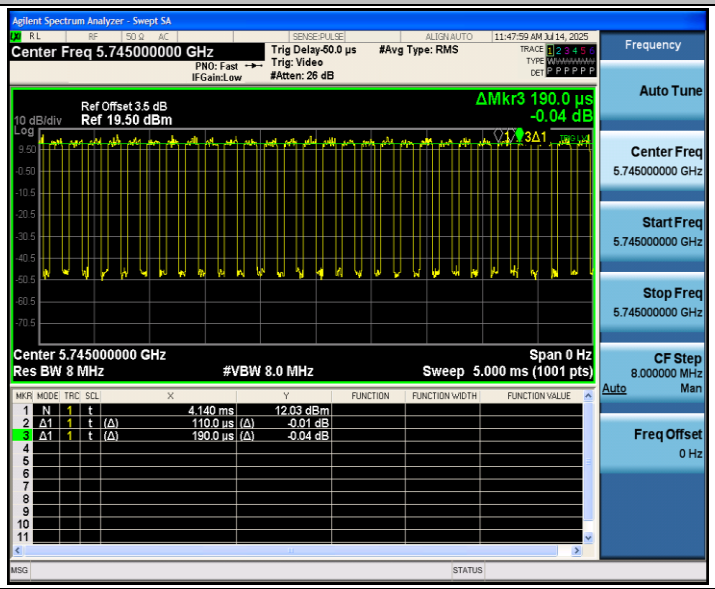
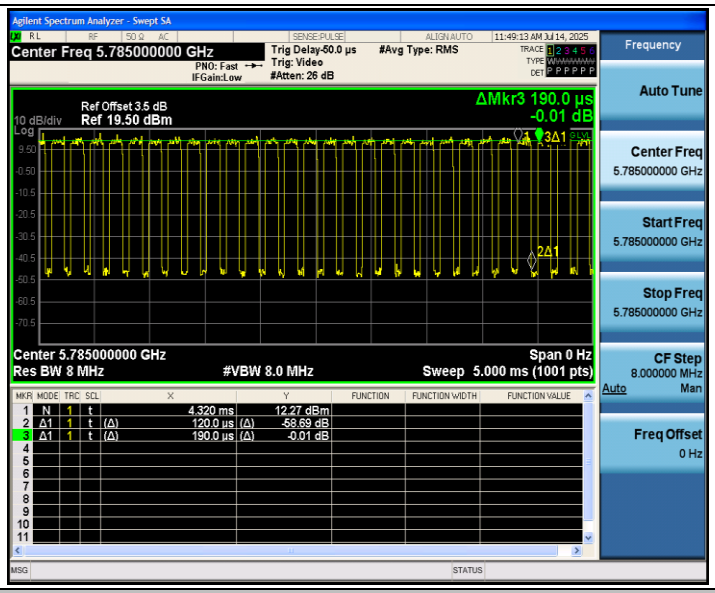


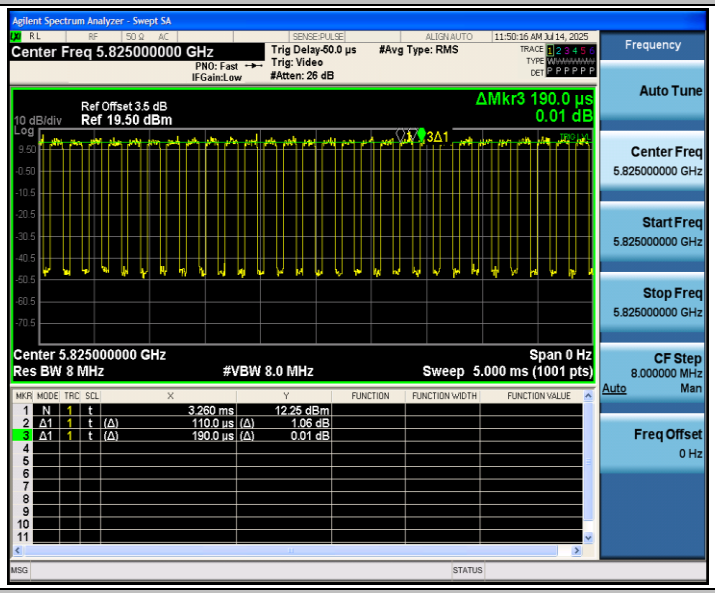
11N20SISO_Ant1_5745



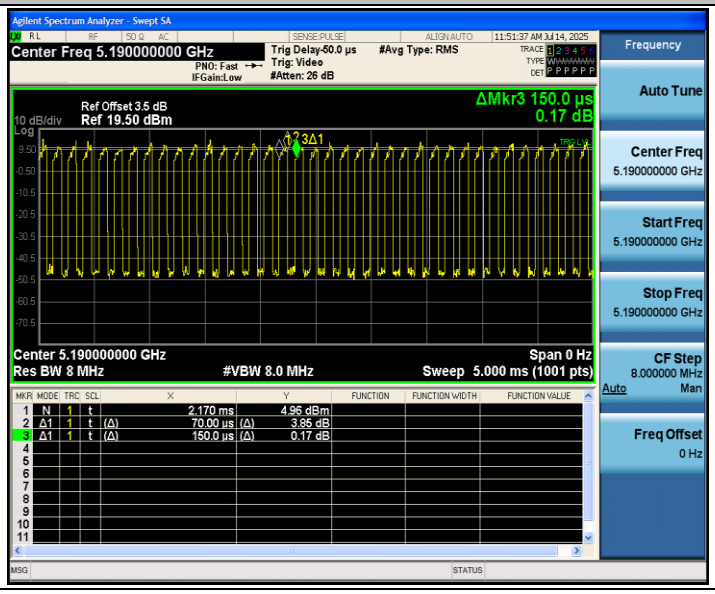
11N20SISO_Ant1_5785



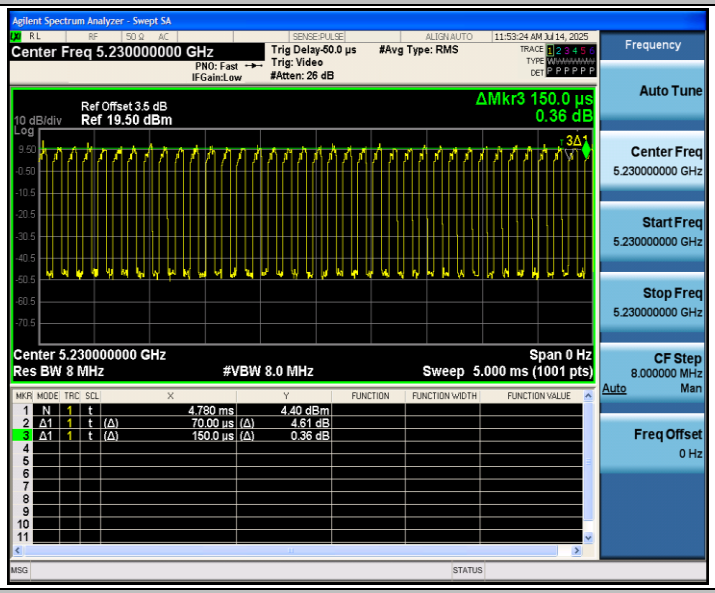
11N20SISO_Ant1_5825



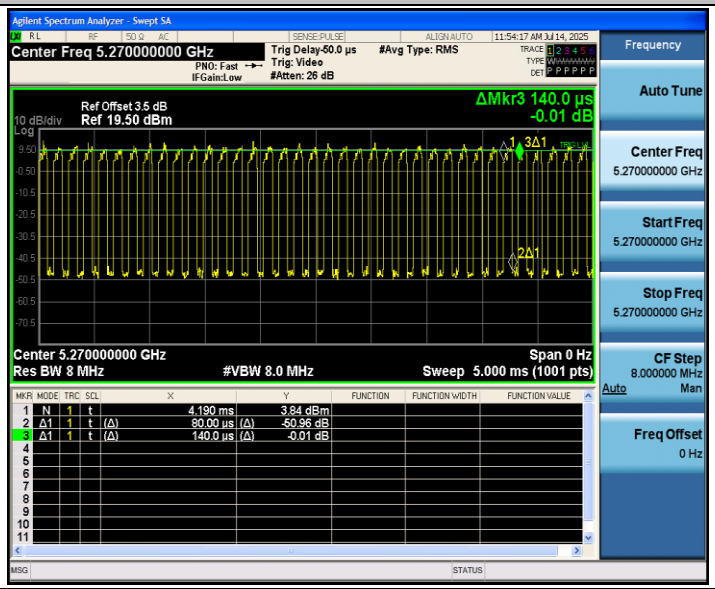
11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5270



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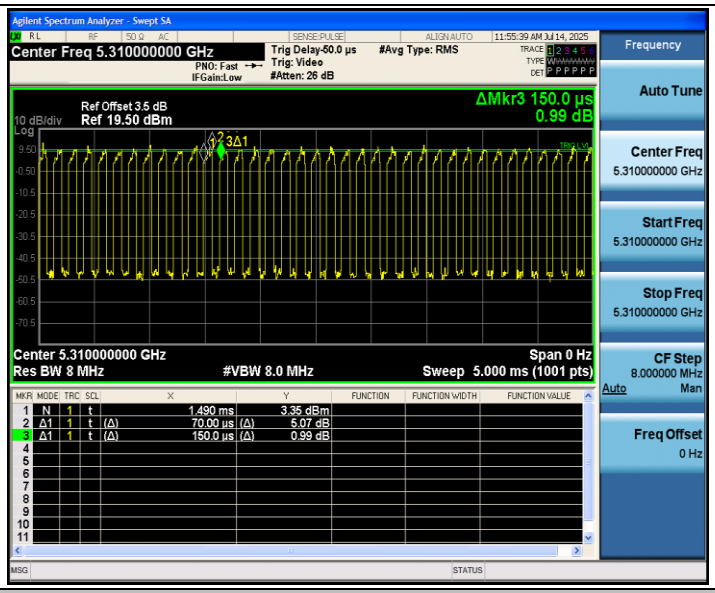

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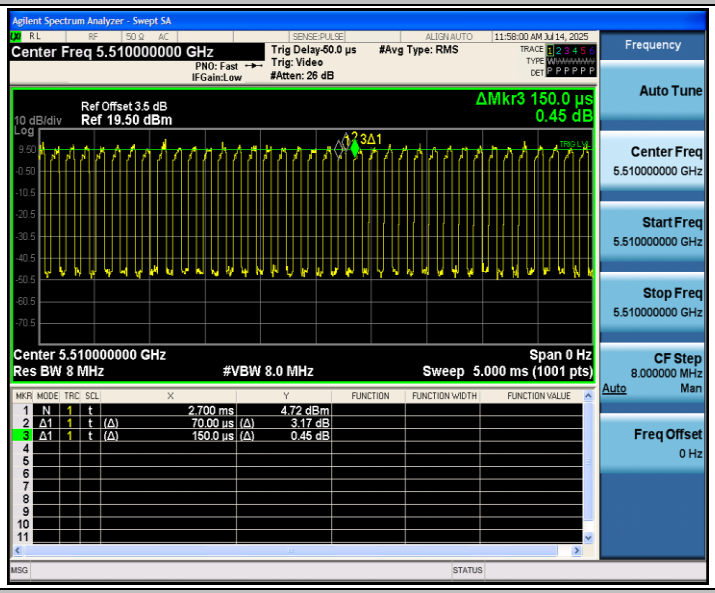
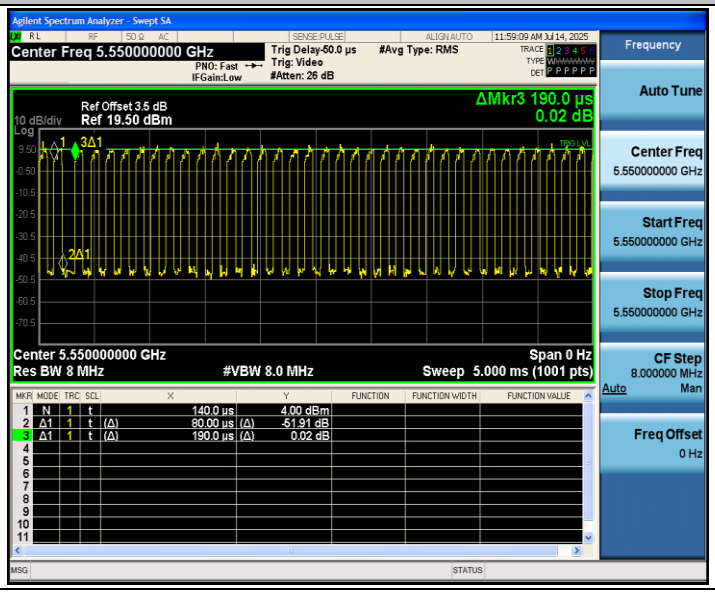


11N40SISO_Ant1_5550



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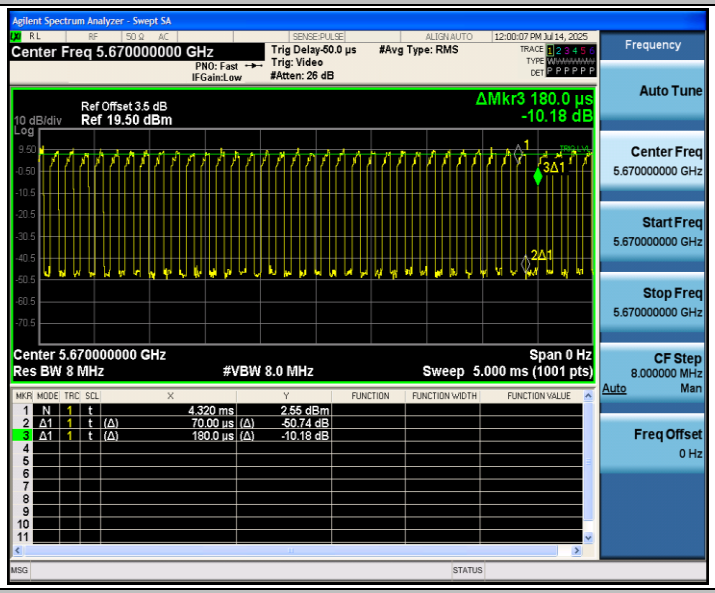
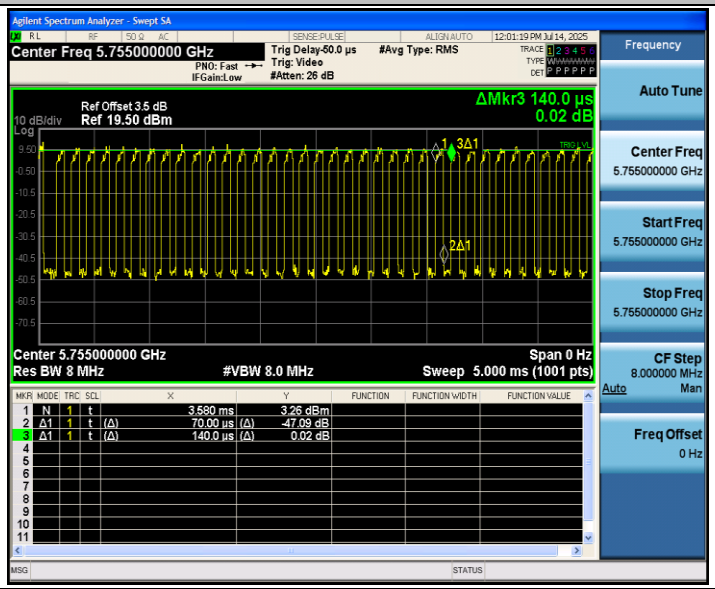
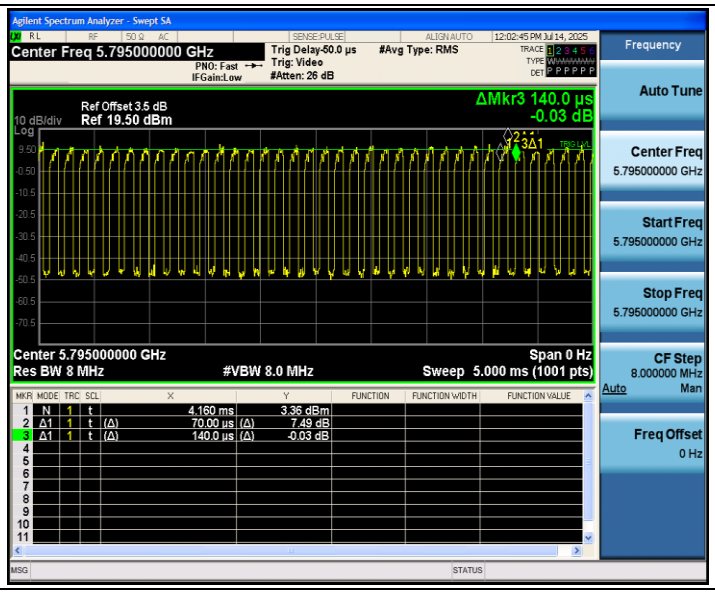


11N40SISO_Ant1_5755



11N40SISO_Ant1_5795


Agilent Spectrum Analyzer - Swept SA
Center Freq 5.795000000 GHz
Trig Delay-50.0 µs
#Avg Type: RMS
Trig: Video
#Atten: 26 dB
Ref Offset 3.5 dB
10 dB/div
Ref 19.50 dBm
ΔMkr3 140.0 µs
-0.03 dB
Center 5.795000000 GHz
Span 0 Hz
Res BW 8 MHz
#VBW 8.0 MHz
Sweep 5.000 ms (1001 pts)
1 N 1 t 4.160 ms 3.36 dBm
2 Δ1 1 t (Δ) 70.00 µs (Δ) 7.49 dB
3 Δ1 1 t (Δ) 140.0 µs (Δ) -0.03 dB
Frequency
Auto Tune
Center Freq
5.795000000 GHz
Start Freq
5.795000000 GHz
Stop Freq
5.795000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

Appendix C: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	9.98	2.37	12.35	≤23.98	PASS
		5220	9.40	2.14	11.54	≤23.98	PASS
		5240	8.96	2.14	11.10	≤23.98	PASS
		5260	9.45	1.89	11.34	≤23.98	PASS
		5300	8.46	1.89	10.35	≤23.98	PASS
		5320	8.19	2.37	10.56	≤23.98	PASS
		5500	7.11	2.37	9.48	≤23.98	PASS
		5580	8.56	2.37	10.93	≤23.98	PASS
		5700	7.78	1.89	9.67	≤23.98	PASS
		5745	8.43	2.37	10.80	≤30.00	PASS
		5785	8.74	2.37	11.11	≤30.00	PASS
		5825	8.66	2.14	10.80	≤30.00	PASS
11N20SISO	Ant1	5180	10.06	2.14	12.20	≤23.98	PASS
		5220	9.47	2.14	11.61	≤23.98	PASS
		5240	9.02	2.60	11.62	≤23.98	PASS
		5260	9.51	2.37	11.88	≤23.98	PASS
		5300	8.54	2.00	10.54	≤23.98	PASS
		5320	8.24	1.89	10.13	≤23.98	PASS
		5500	7.18	2.37	9.55	≤23.98	PASS
		5580	8.33	2.14	10.47	≤23.98	PASS
		5700	7.56	2.37	9.93	≤23.98	PASS
		5745	8.31	2.37	10.68	≤30.00	PASS
		5785	8.57	2.00	10.57	≤30.00	PASS
		5825	8.55	2.37	10.92	≤30.00	PASS
11N40SISO	Ant1	5190	8.57	3.31	11.88	≤23.98	PASS
		5230	7.85	3.31	11.16	≤23.98	PASS
		5270	7.98	2.43	10.41	≤23.98	PASS
		5310	7.01	3.31	10.32	≤23.98	PASS
		5510	8.08	3.31	11.39	≤23.98	PASS
		5550	7.59	3.76	11.35	≤23.98	PASS
		5670	6.03	4.10	10.13	≤23.98	PASS
		5755	6.96	3.01	9.97	≤30.00	PASS
		5795	7.26	3.01	10.27	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz] For 5.2G/5.3G/5.5G Result [dBm/500kHz] For 5.8G	Result [dBm/MHz] For 5.2G/5.3G/5.5G Limit[dBm/MHz] For 5.8G	Verdict
11A	Ant1	5180	1.42	≤11.00	PASS
		5220	0.52	≤11.00	PASS
		5240	0.26	≤11.00	PASS
		5260	0.47	≤11.00	PASS
		5300	-0.59	≤11.00	PASS
		5320	-0.41	≤11.00	PASS
		5500	-1.71	≤11.00	PASS
		5580	-0.15	≤11.00	PASS
		5700	-1.25	≤11.00	PASS
		5745	-0.24	≤30.00	PASS
		5785	0.05	≤30.00	PASS
		5825	-0.18	≤30.00	PASS
11N20SISO	Ant1	5180	0.74	≤11.00	PASS
		5220	0.52	≤11.00	PASS
		5240	0.71	≤11.00	PASS
		5260	0.86	≤11.00	PASS
		5300	-0.65	≤11.00	PASS
		5320	-0.80	≤11.00	PASS
		5500	-1.60	≤11.00	PASS
		5580	-0.85	≤11.00	PASS
		5700	-1.13	≤11.00	PASS
		5745	-0.31	≤30.00	PASS
		5785	-0.26	≤30.00	PASS
		5825	-0.16	≤30.00	PASS
11N40SISO	Ant1	5190	-1.98	≤11.00	PASS
		5230	-2.42	≤11.00	PASS
		5270	-2.61	≤11.00	PASS
		5310	-2.96	≤11.00	PASS
		5510	-2.30	≤11.00	PASS
		5550	-2.30	≤11.00	PASS
		5670	-2.92	≤11.00	PASS
		5755	-3.21	≤30.00	PASS
		5795	-3.03	≤30.00	PASS

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

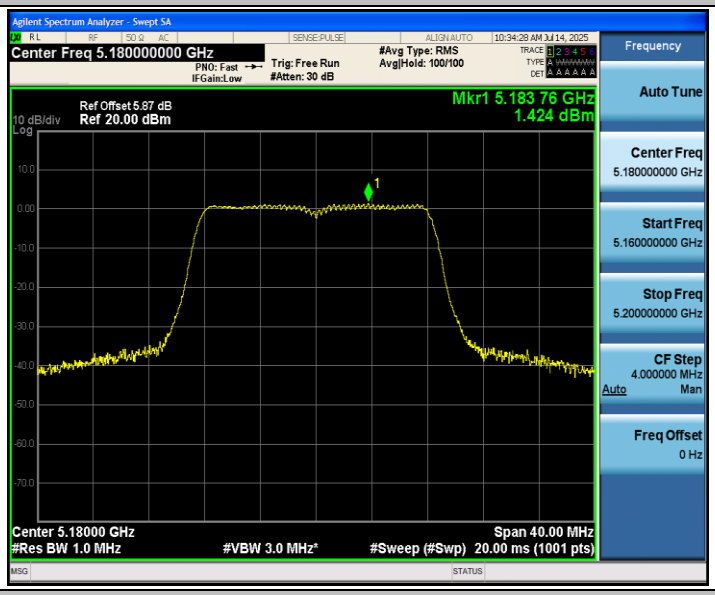
P.S.D(dBm/500KHz)= P.S.D(dBm/300KHz)+10 log (500 kHz/300KHz).

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

3. The Duty Cycle Factor is compensated in the graph.

Test Graphs

11A_Ant1_5180



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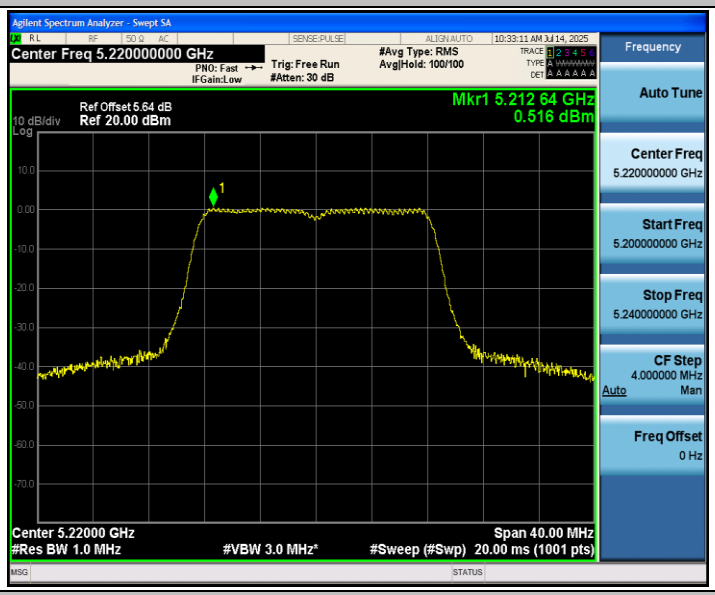

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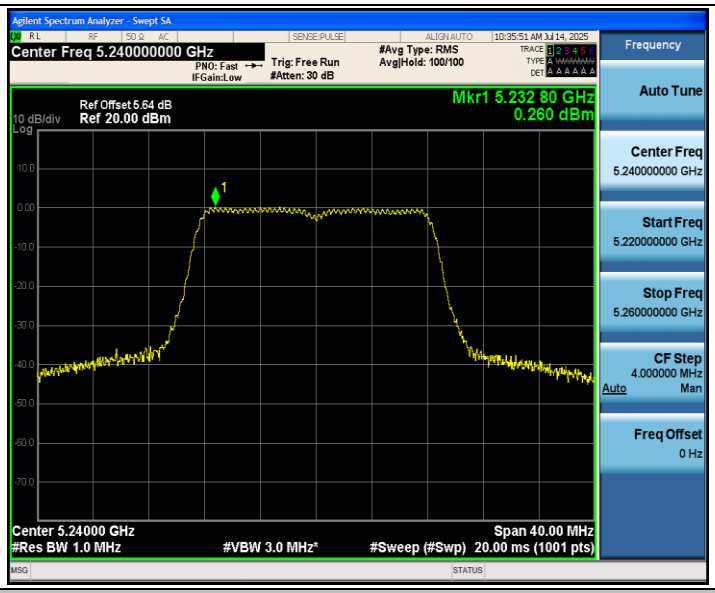

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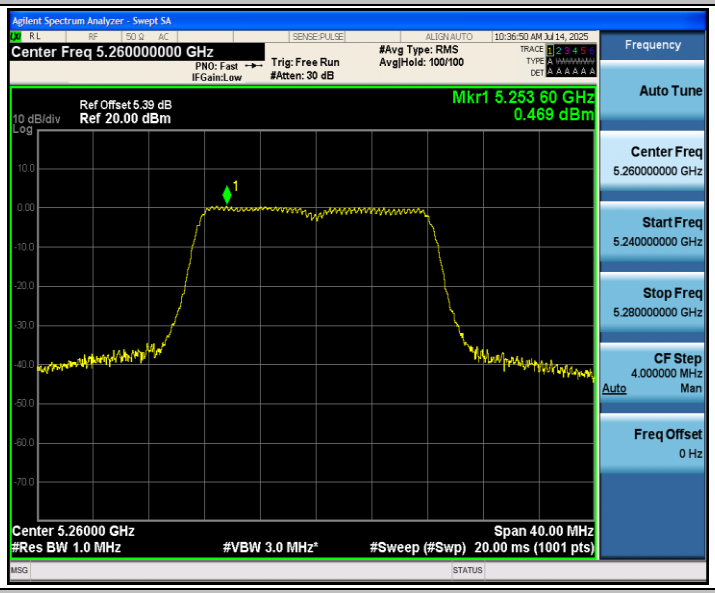

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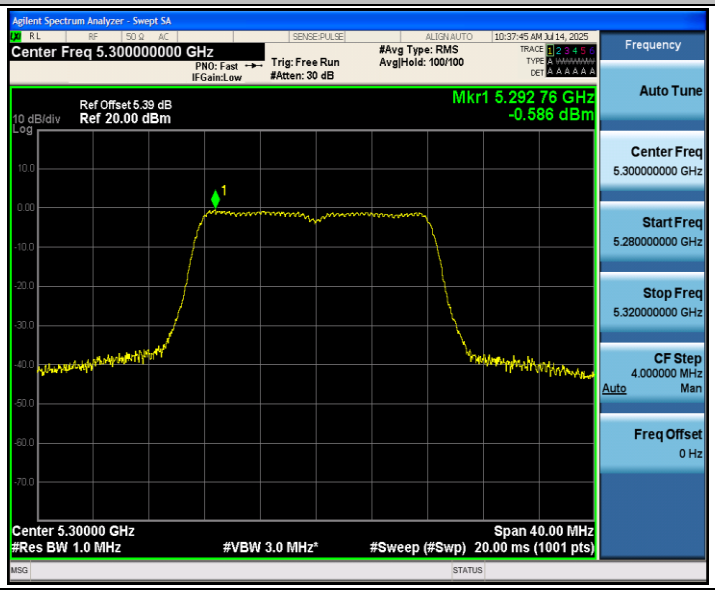

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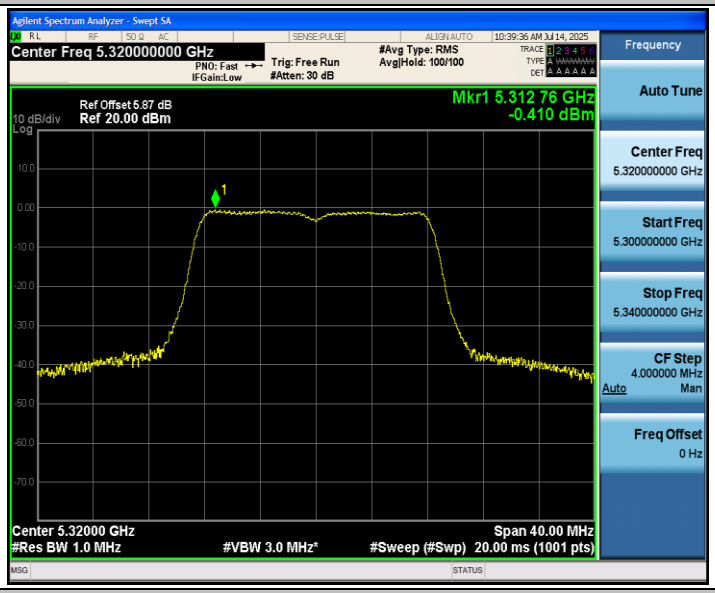

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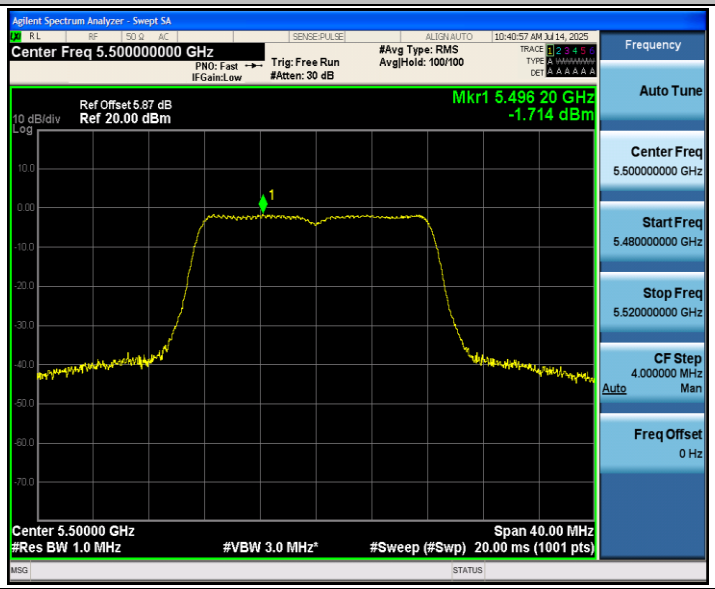

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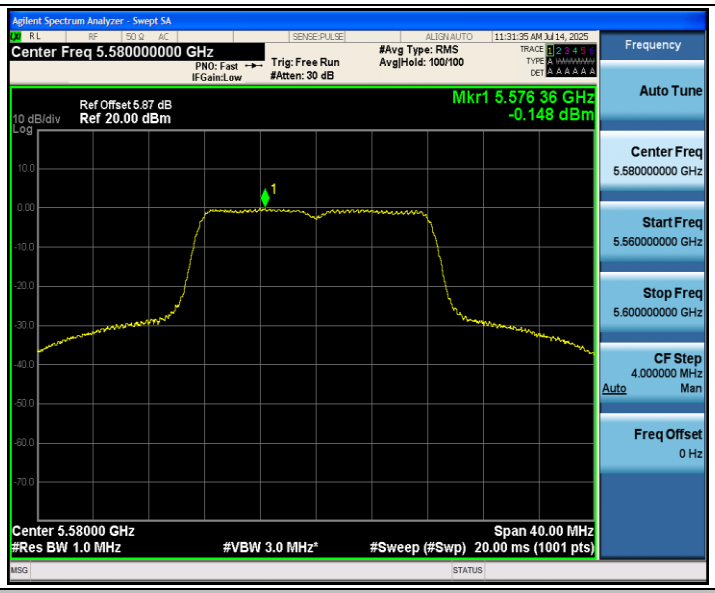

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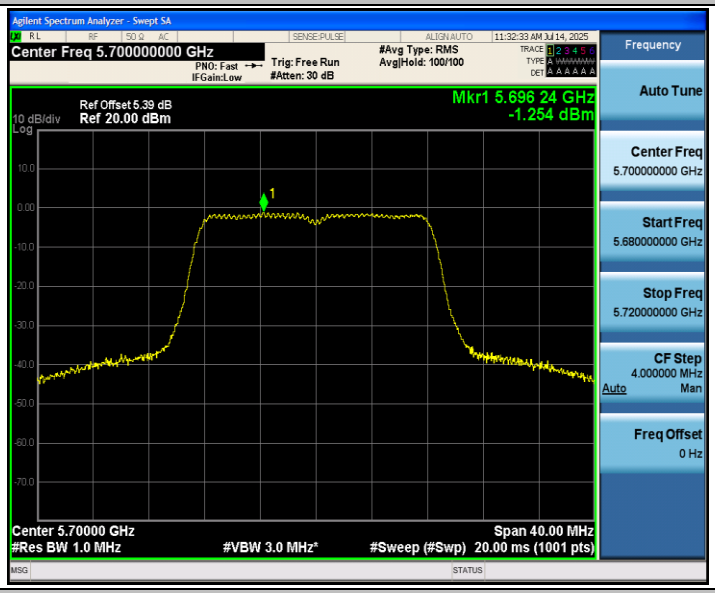

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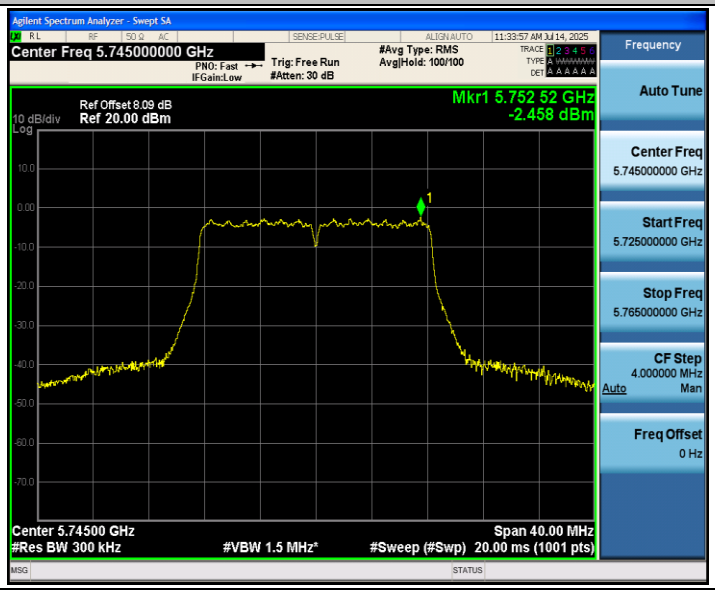

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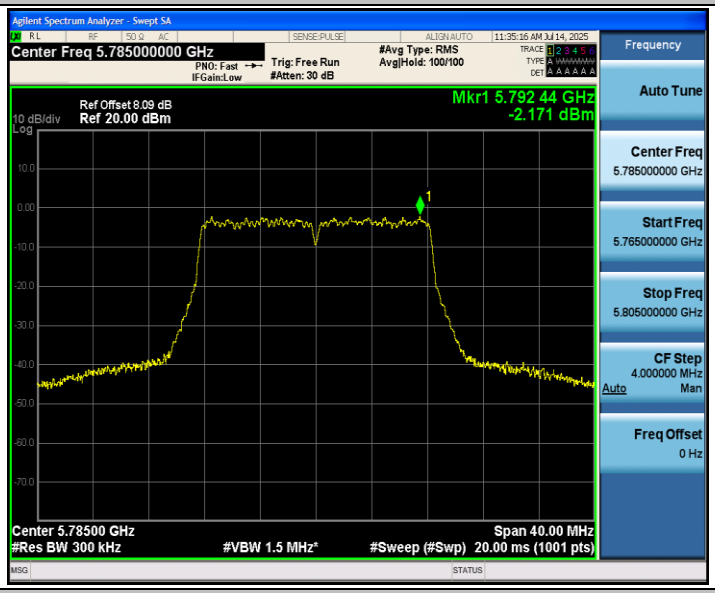

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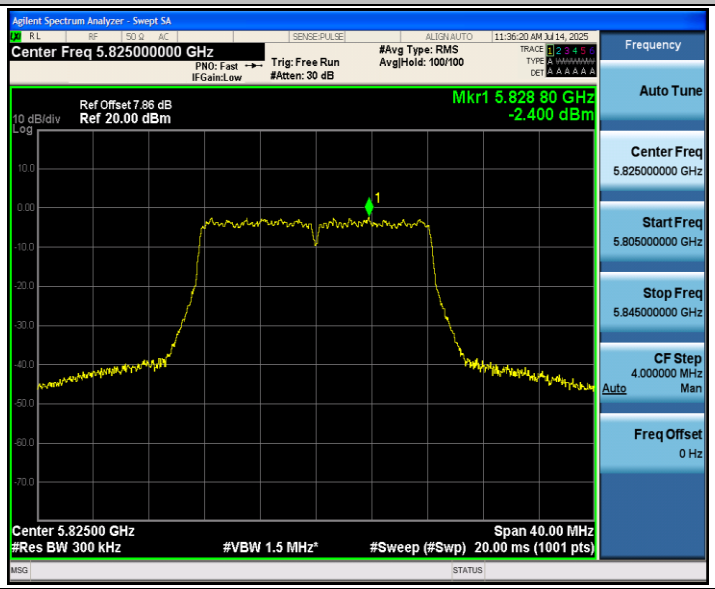

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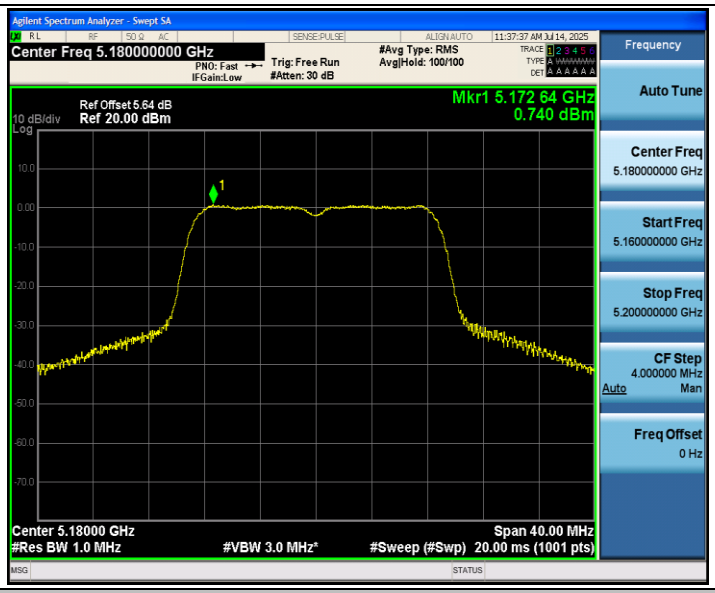

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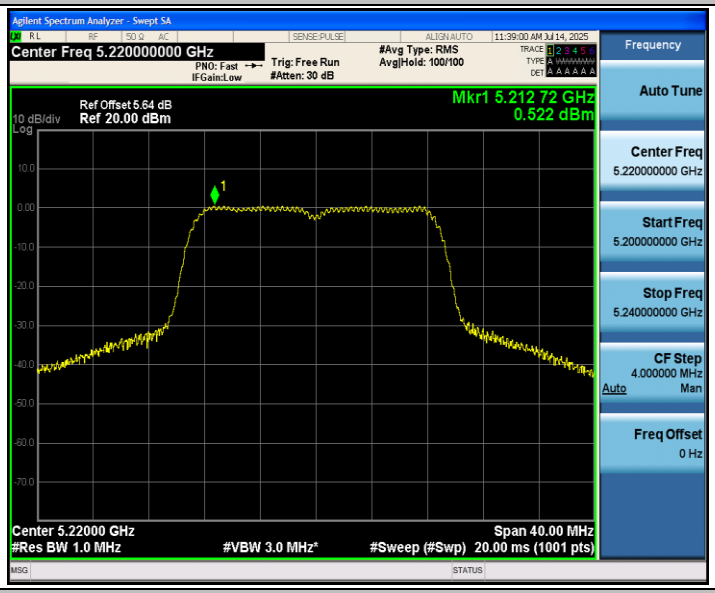

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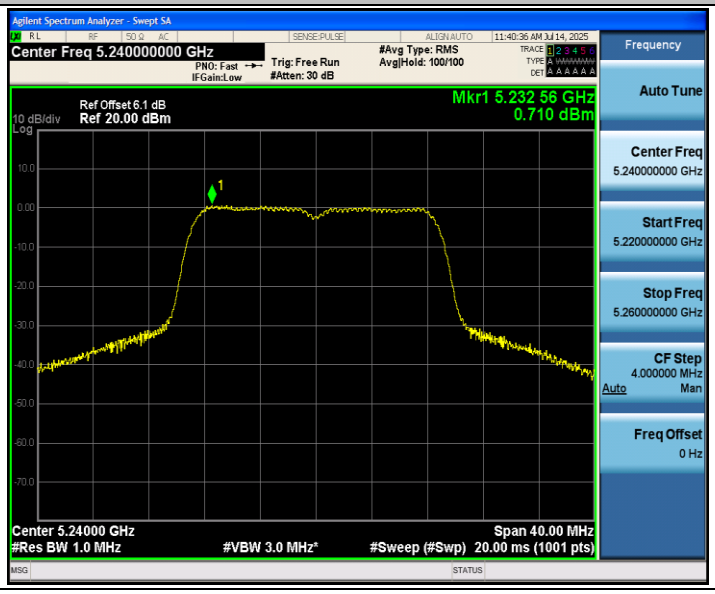

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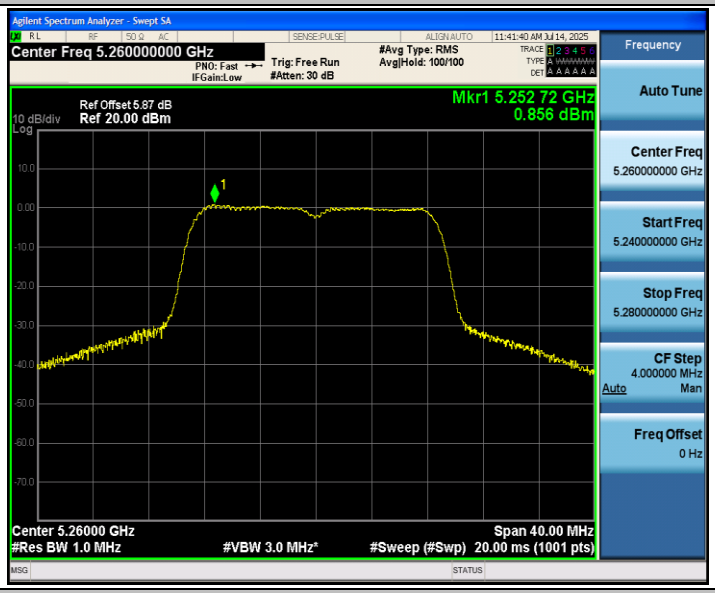

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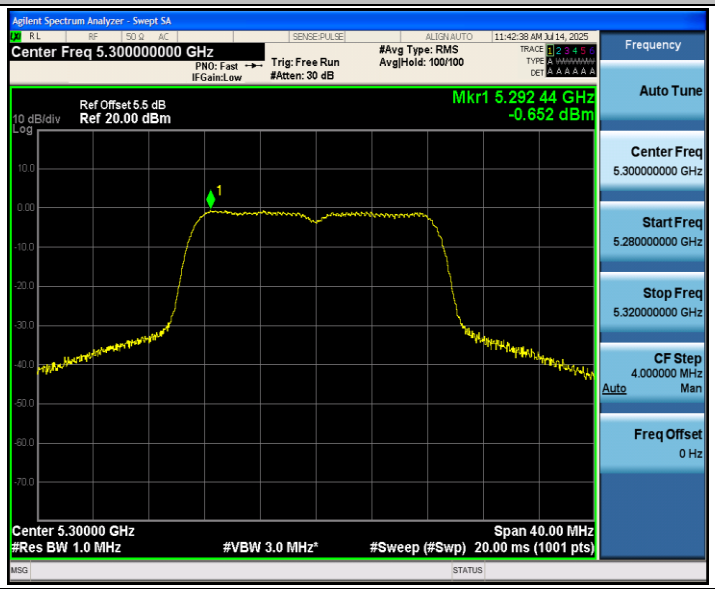

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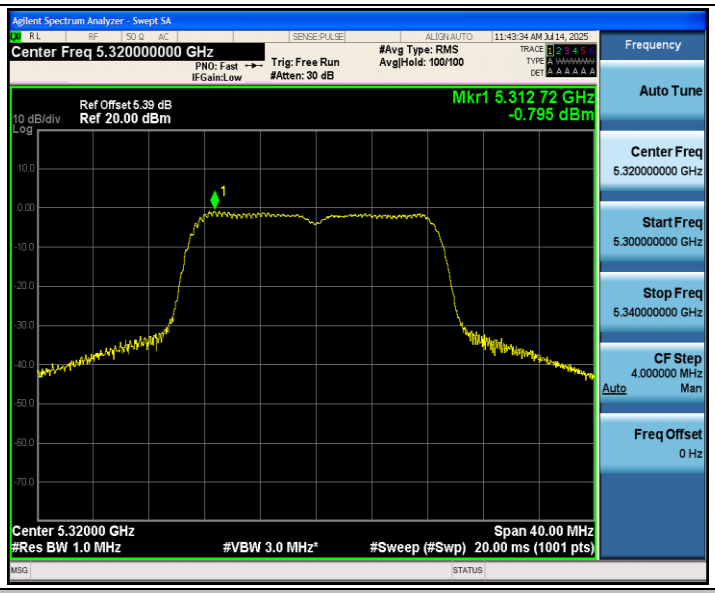

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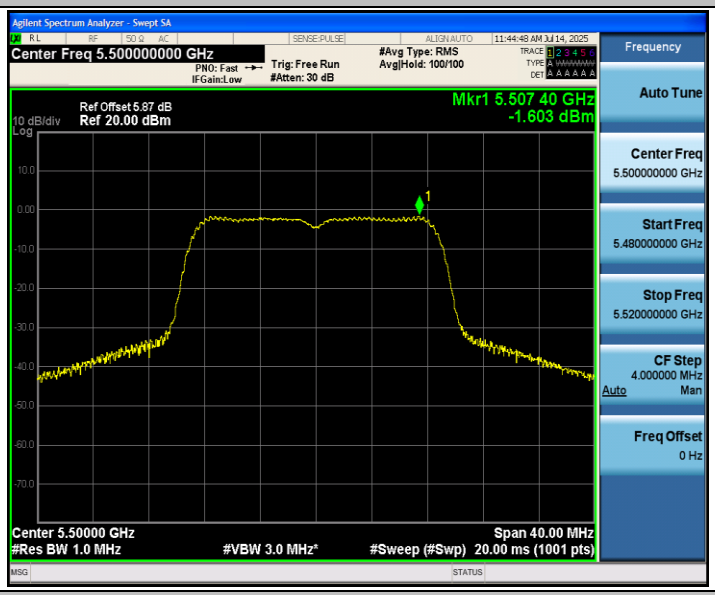
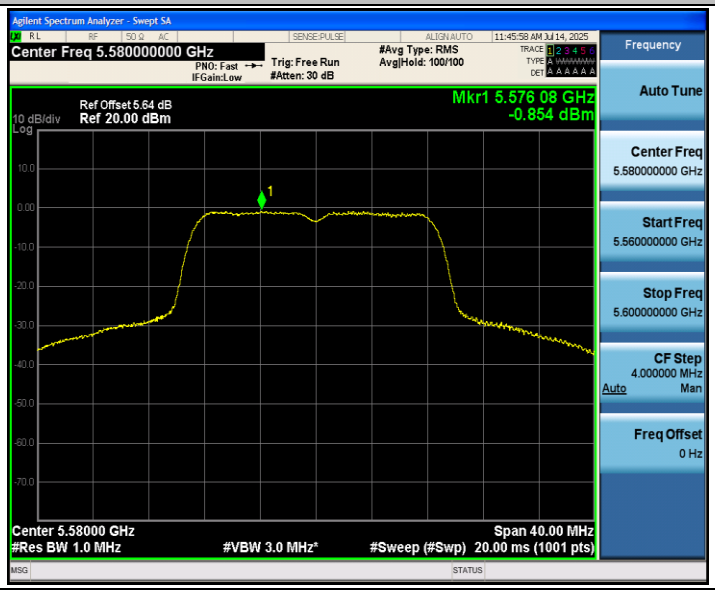
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