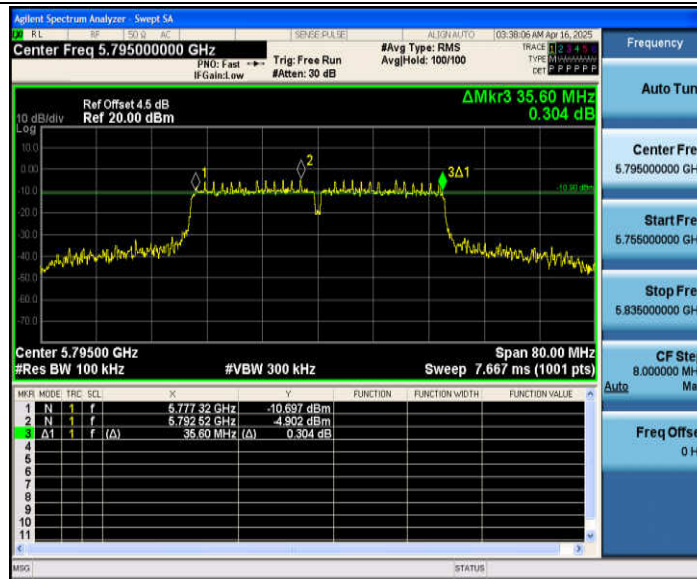
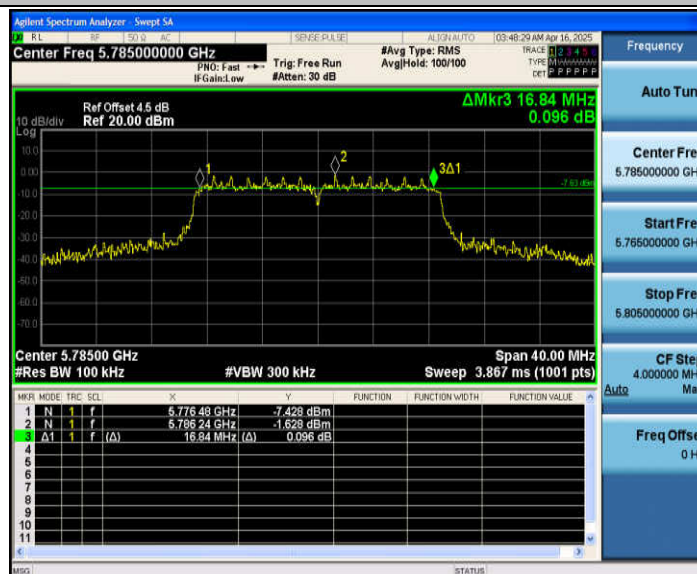




11AC20SISO_Ant1_5745



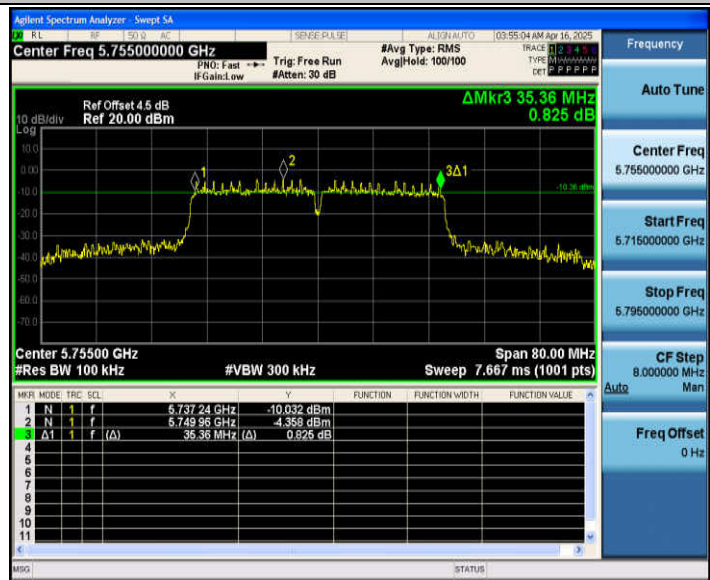
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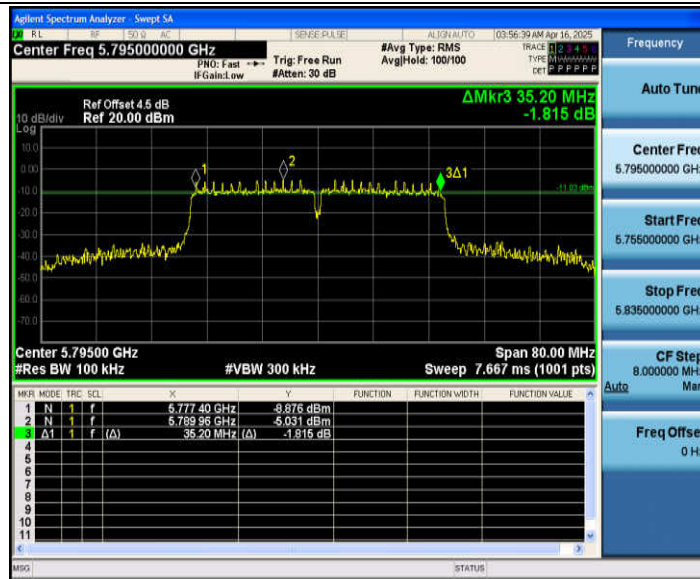
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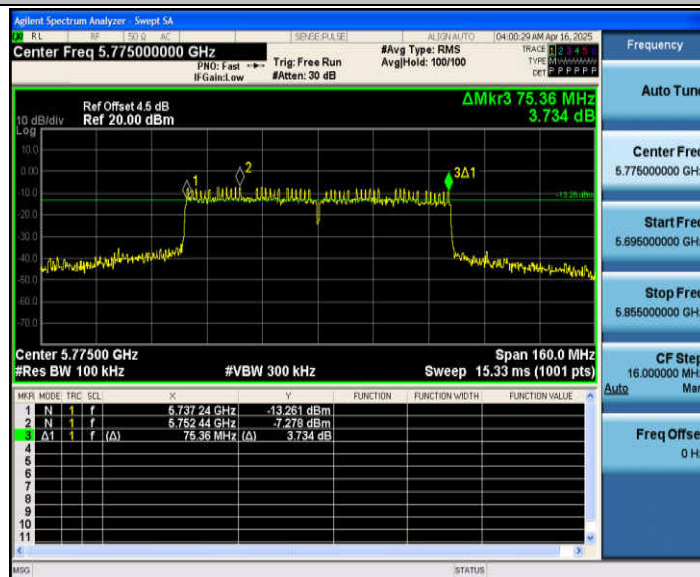
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11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5775



11AX20SISO_Ant1_5745



11AX20SISO_Ant1_5785



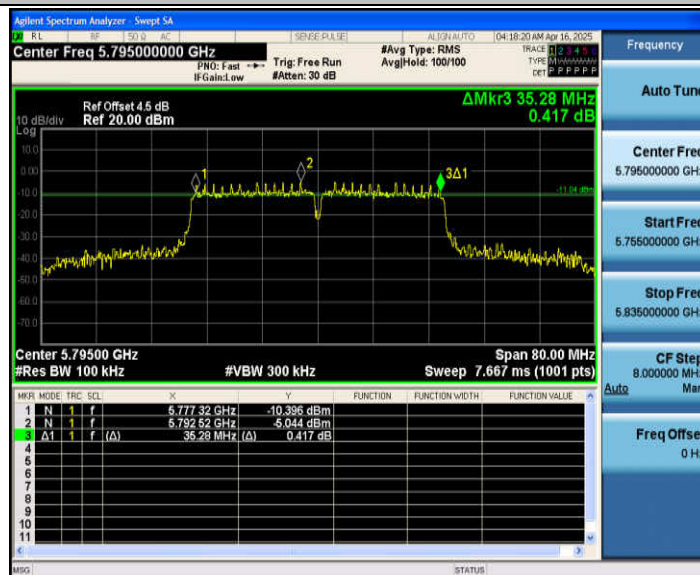
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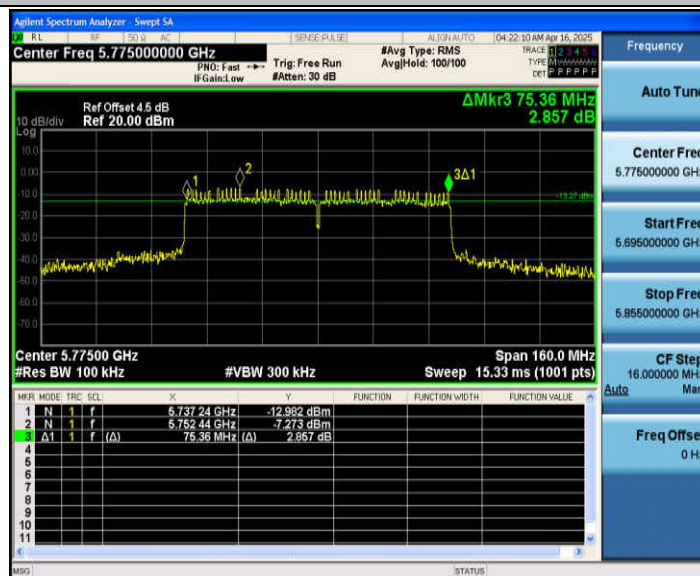
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11AX40ISO_Ant1_5795



11AX80ISO_Ant1_5775



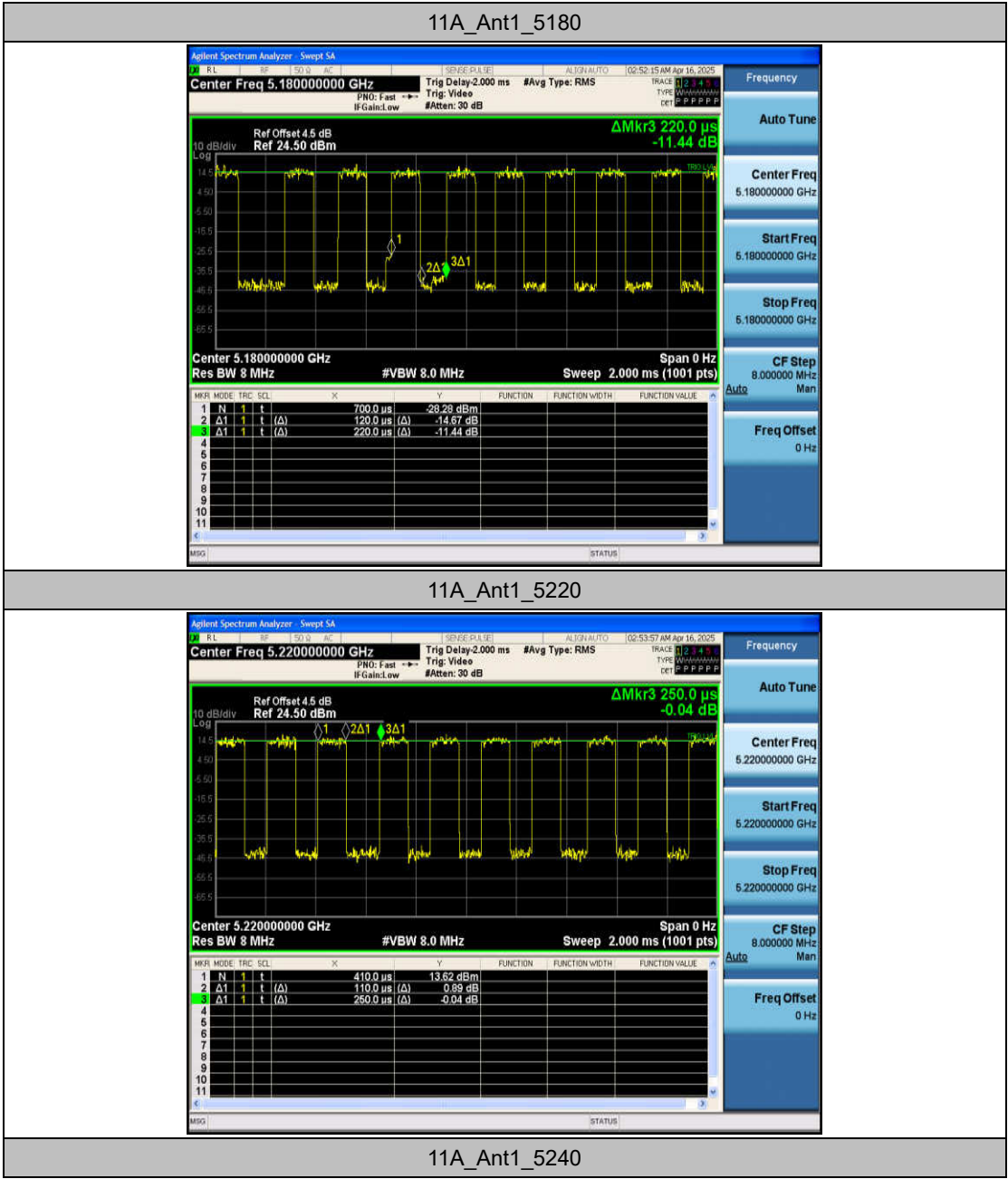
Appendix B: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty factor(dB)	Limit	Verdict
11A	Ant1	5180	0.12	0.22	54.55	2.63	---	---
		5220	0.11	0.25	44.00	3.57	---	---
		5240	0.11	0.27	40.74	3.90	---	---
		5745	0.11	0.28	39.29	4.06	---	---
		5785	0.12	0.28	42.86	3.68	---	---
		5825	0.11	0.26	42.31	3.74	---	---
11N20SISO	Ant1	5180	0.11	0.28	39.29	4.06	---	---
		5220	0.11	0.29	37.93	4.21	---	---
		5240	0.12	0.33	36.36	4.39	---	---
		5745	0.12	0.33	36.36	4.39	---	---
		5785	0.11	0.23	47.83	3.20	---	---
		5825	0.11	0.33	33.33	4.77	---	---
11N40SISO	Ant1	5190	0.08	0.27	29.63	5.28	---	---
		5230	0.07	0.26	26.92	5.70	---	---
		5755	0.07	0.26	26.92	5.70	---	---
		5795	0.07	0.28	25.00	6.02	---	---
11AC20SISO	Ant1	5180	0.12	0.29	41.38	3.83	---	---
		5220	0.11	0.21	52.38	2.81	---	---
		5240	0.12	0.34	35.29	4.52	---	---
		5745	0.12	0.29	41.38	3.83	---	---
		5785	0.12	0.29	41.38	3.83	---	---
		5825	0.12	0.25	48.00	3.19	---	---
11AC40SISO	Ant1	5190	0.08	0.26	30.77	5.12	---	---
		5230	0.08	0.24	33.33	4.77	---	---
		5755	0.08	0.26	30.77	5.12	---	---
		5795	0.08	0.23	34.78	4.59	---	---
11AC80SISO	Ant1	5210	3.18	9.19	34.60	4.61	---	---
		5775	0.05	0.26	19.23	7.16	---	---
11AX20SISO	Ant1	5180	0.12	0.33	36.36	4.39	---	---
		5220	0.12	0.33	36.36	4.39	---	---
		5240	0.11	0.29	37.93	4.21	---	---
		5745	0.12	0.32	37.50	4.26	---	---
		5785	0.12	0.30	40.00	3.98	---	---
		5825	0.12	0.30	40.00	3.98	---	---

11AX40SISO	Ant1	5190	0.08	0.26	30.77	5.12	---	---
		5230	0.08	0.26	30.77	5.12	---	---
		5755	0.08	0.24	33.33	4.77	---	---
		5795	0.08	0.23	34.78	4.59	---	---
11AX80SISO	Ant1	5210	2.34	6.79	34.46	4.63	---	---
		5775	1.43	4.34	32.95	4.82	---	---

Test Graphs



11A_Ant1_5220

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.220000000 GHz

Ref Offset 4.5 dB

Ref 24.50 dBm

10 dB/div

Log

14.5

4.50

5.50

15.5

25.5

35.5

45.5

55.5

Center 5.220000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 2.000 ms (1001 pts)

Span 0 Hz

1

2

3

4

5

6

7

8

9

10

11

MRFR MODE TRG: SCL

X

Y

FUNCTION

FUNCTION WIDTH

FUNCTION VALUE

1 N 1 t 410.0 μ s 13.62 dBm

2 Δ 1 1 t (Δ) 110.0 μ s (Δ) 0.89 dB

3 Δ 1 1 t (Δ) 260.0 μ s (Δ) -0.04 dB

4

5

6

7

8

9

10

11

MSG

STATUS

Frequency

Auto Tune

Center Freq 5.220000000 GHz

Start Freq 5.220000000 GHz

Stop Freq 5.220000000 GHz

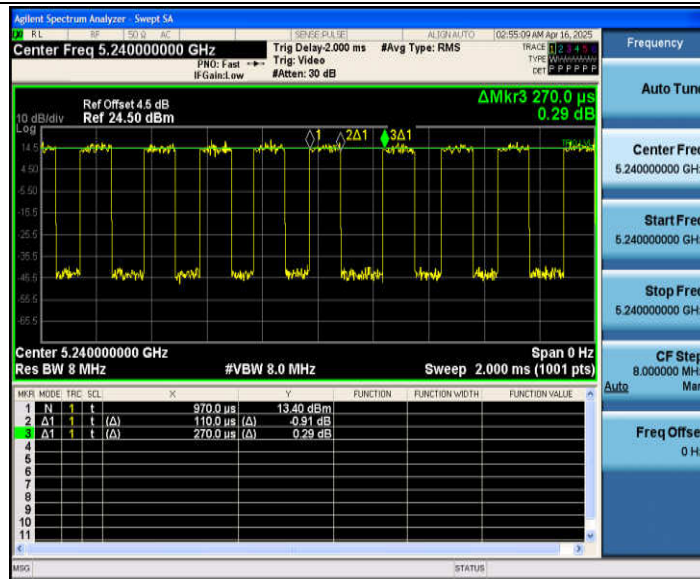
CF Step 8.0000000 MHz

Auto

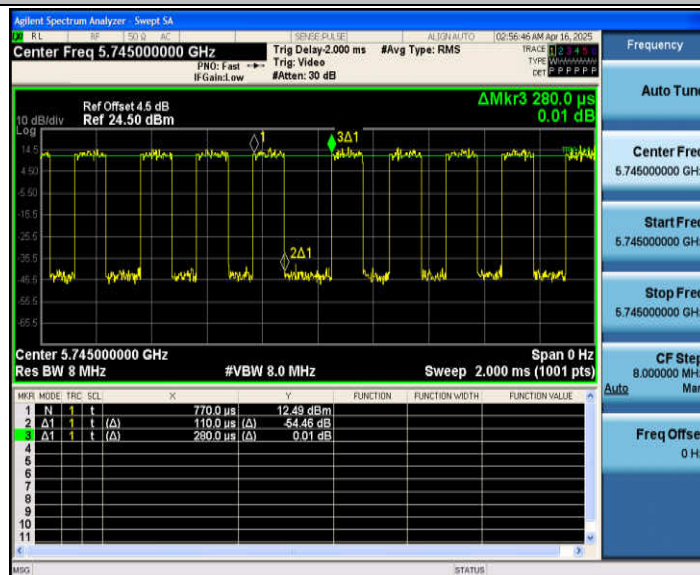
Man

Freq Offset 0 Hz

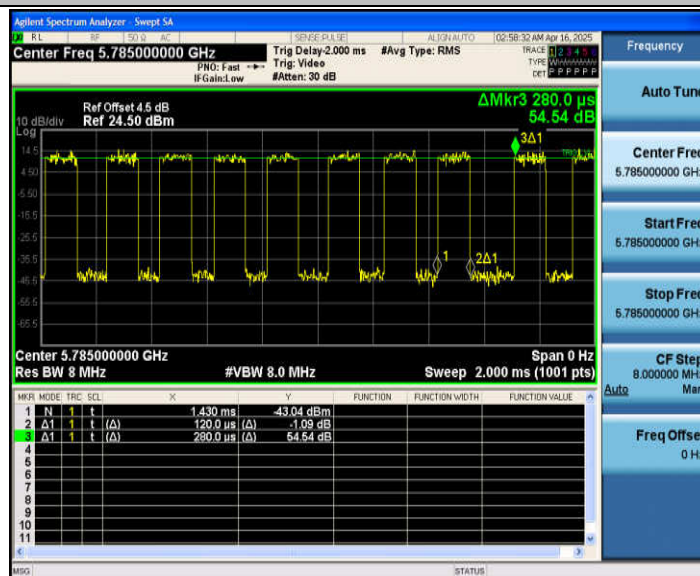
11A_Ant1_5240



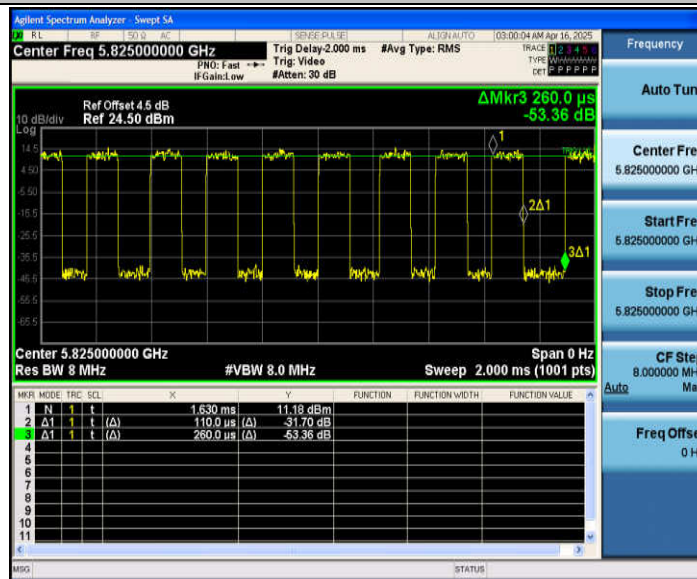
11A_Ant1_5745



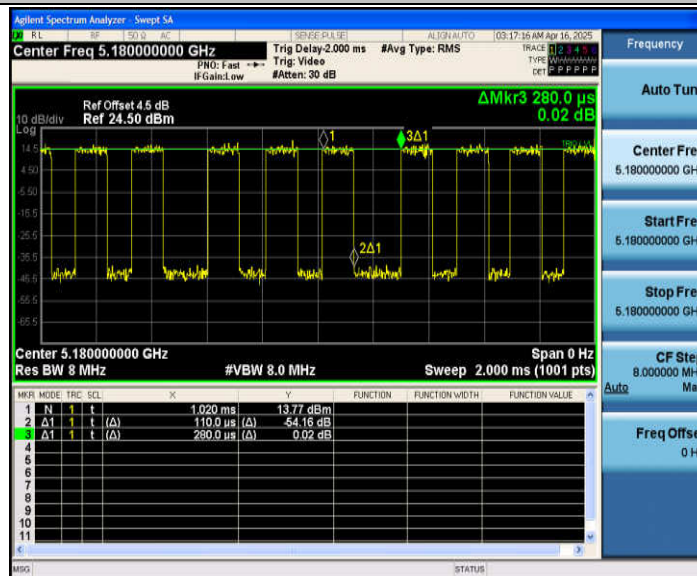
11A_Ant1_5785



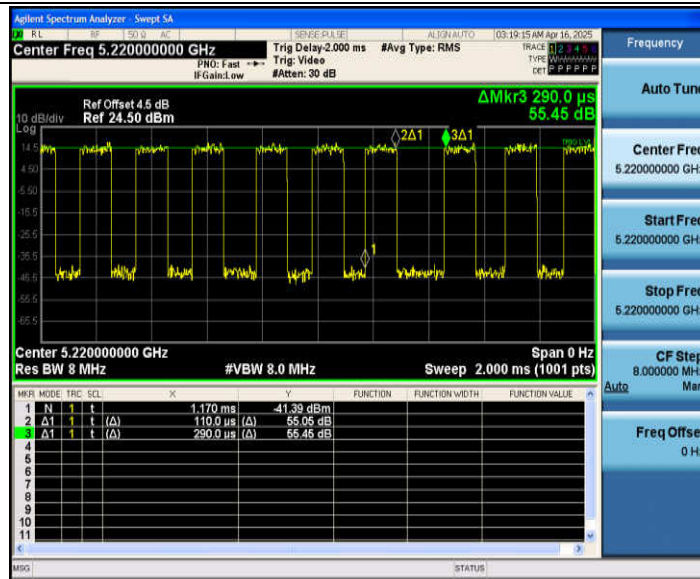
11A_Ant1_5825



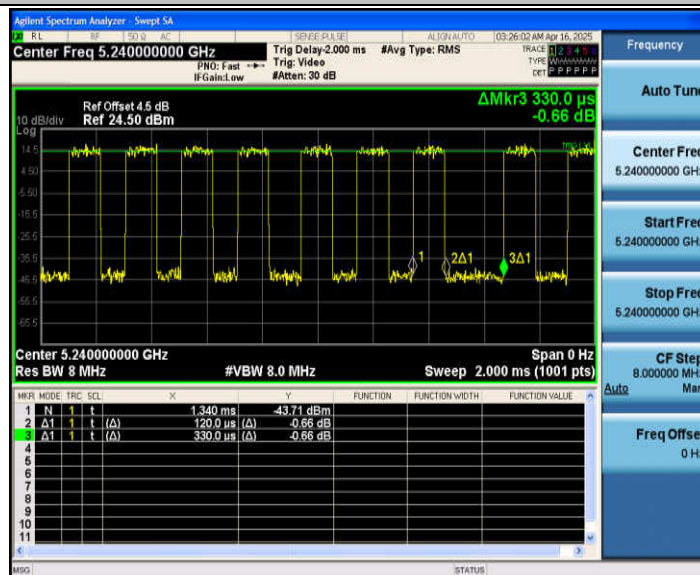
11N20SISO_Ant1_5180



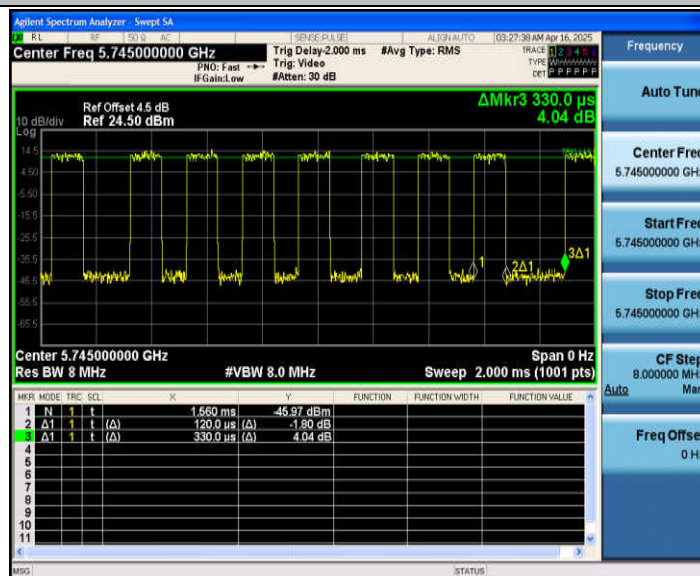
11N20SISO_Ant1_5220



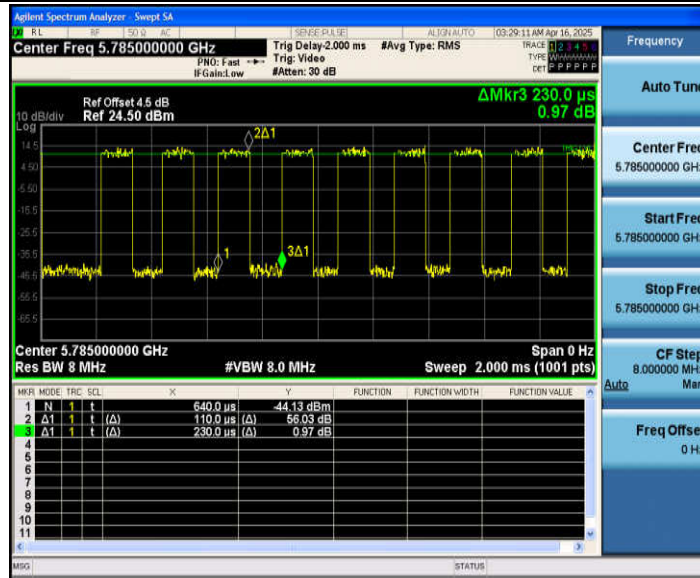
11N20SISO_Ant1_5240



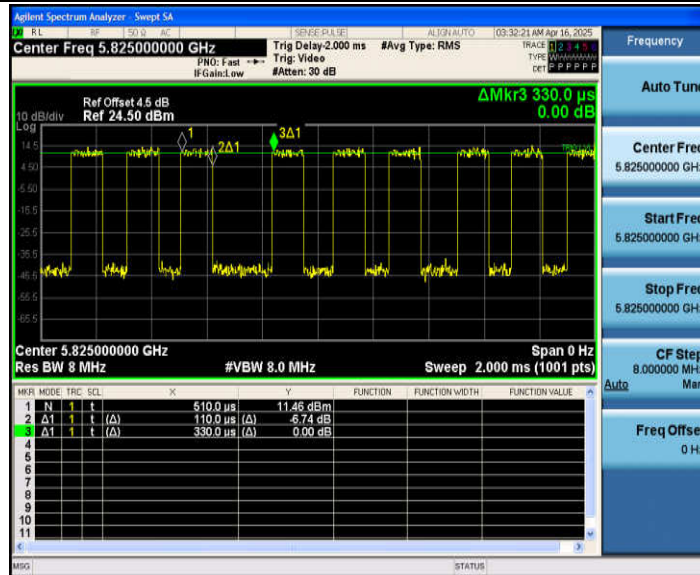
11N20SISO_Ant1_5745



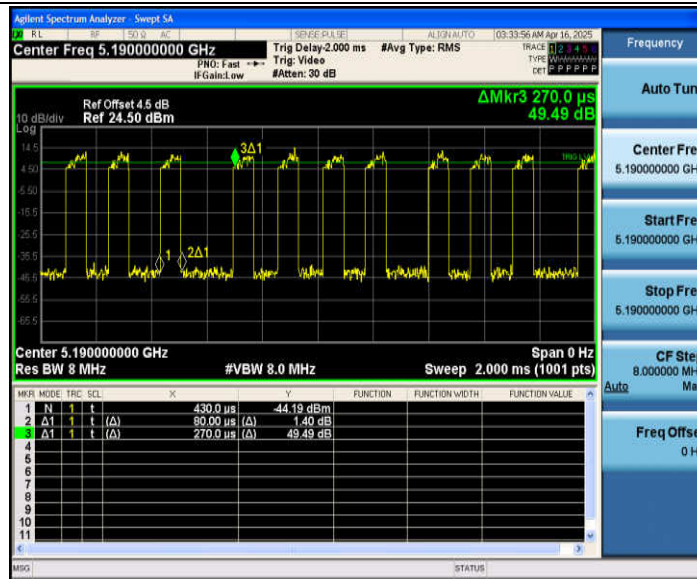
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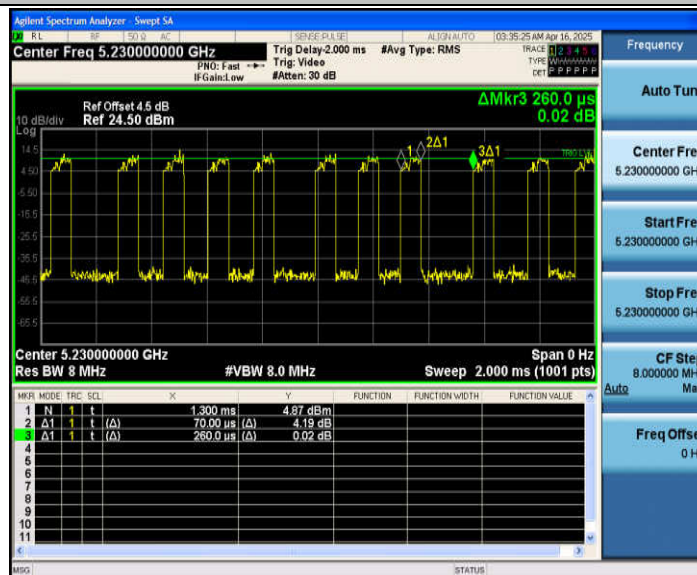
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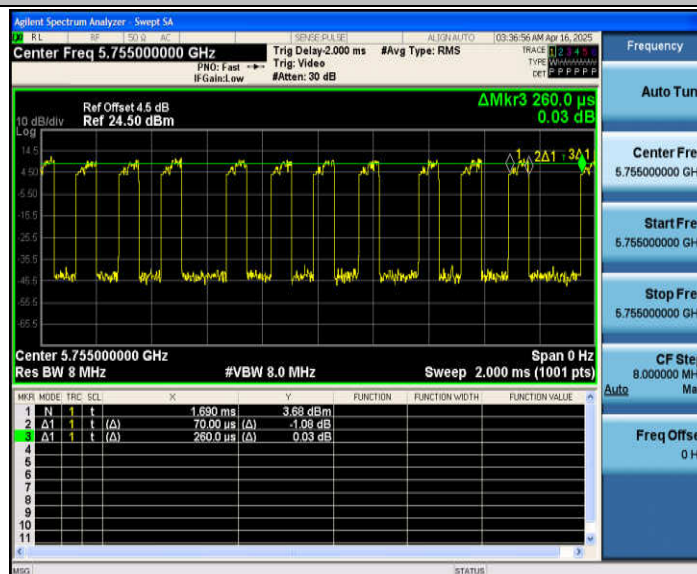
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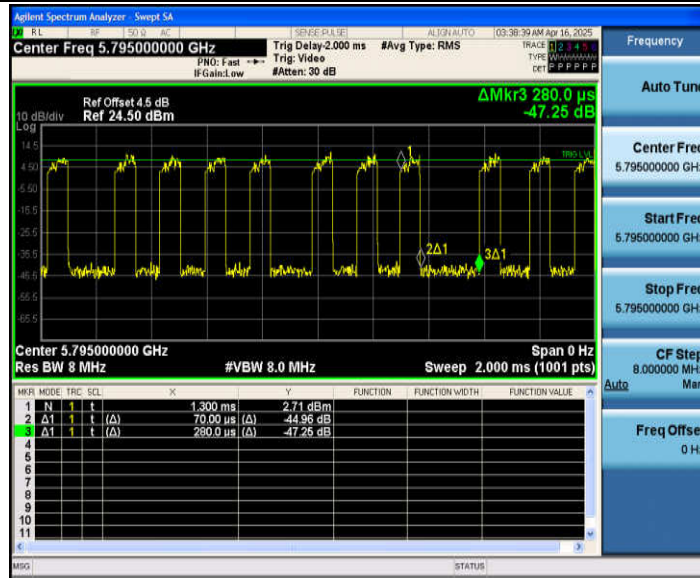
11N40SISO_Ant1_5230



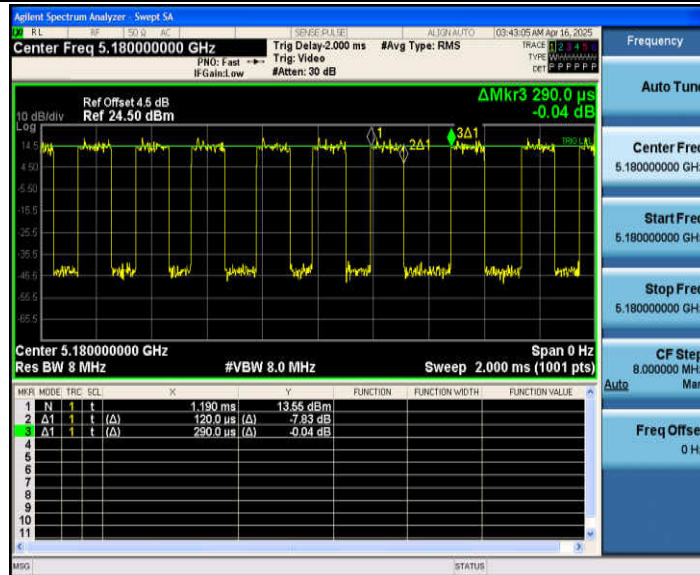
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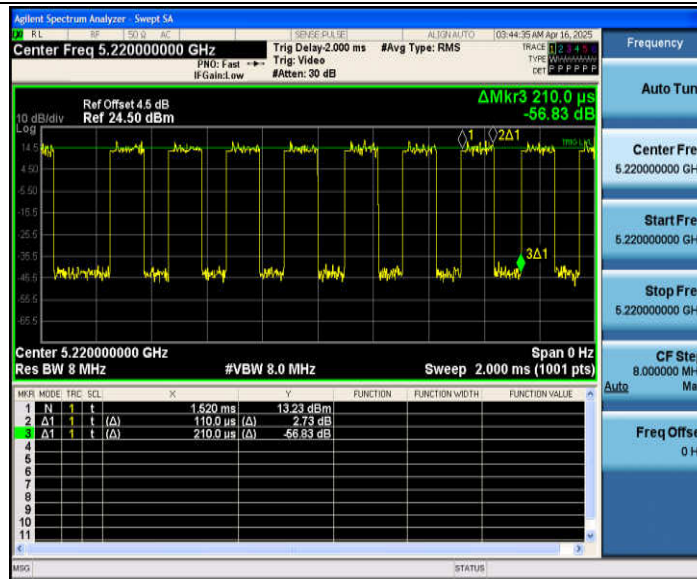
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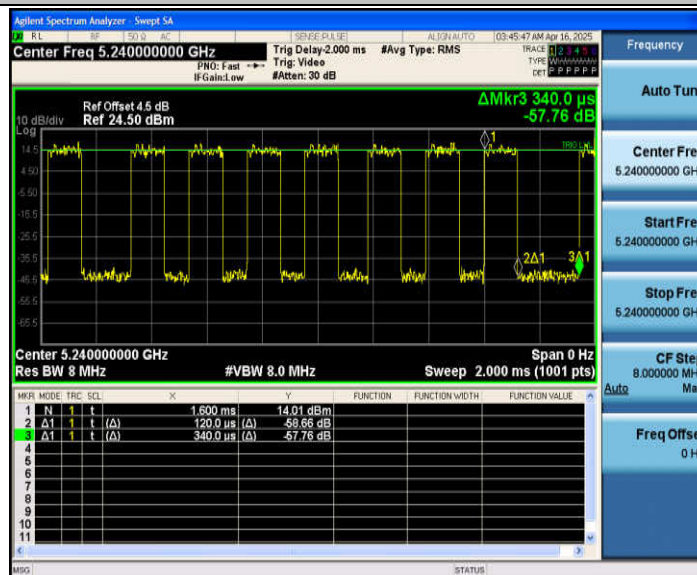
11AC20SISO_Ant1_5180



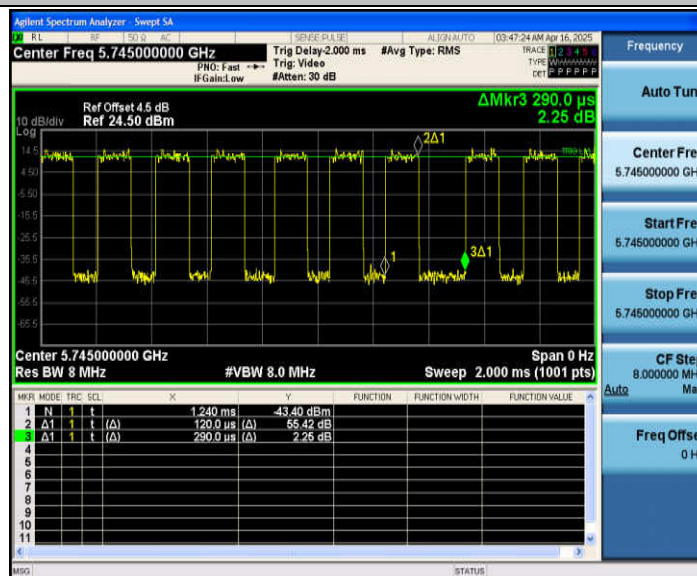
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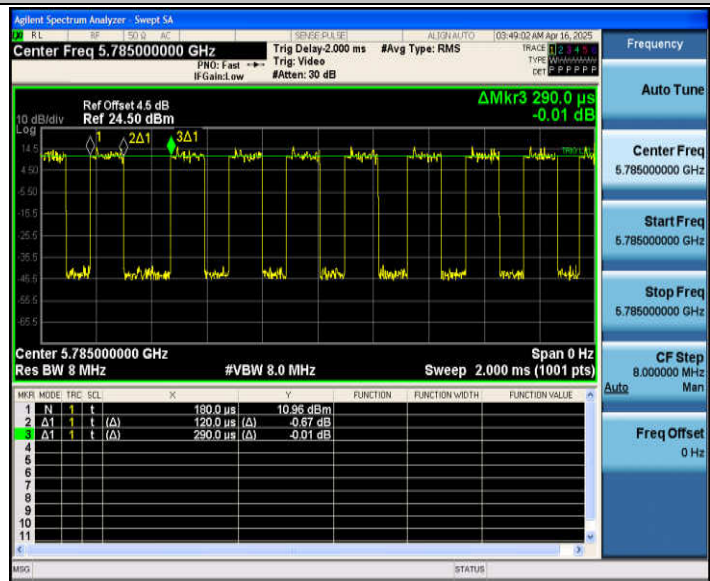
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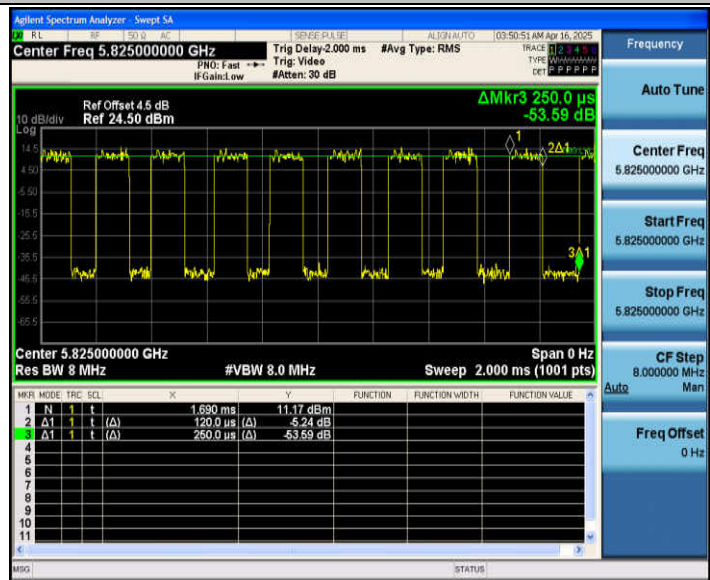
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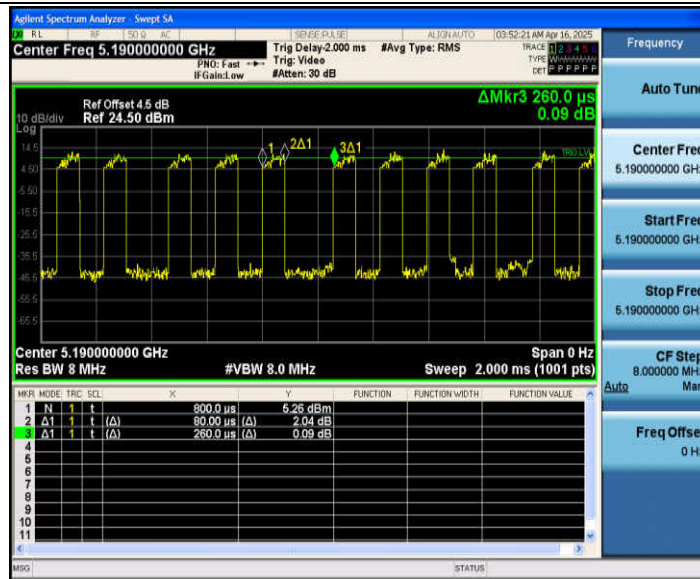
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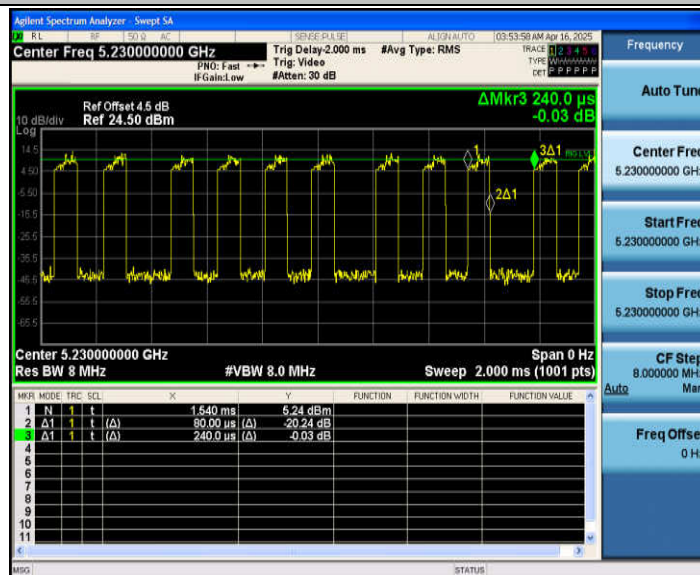
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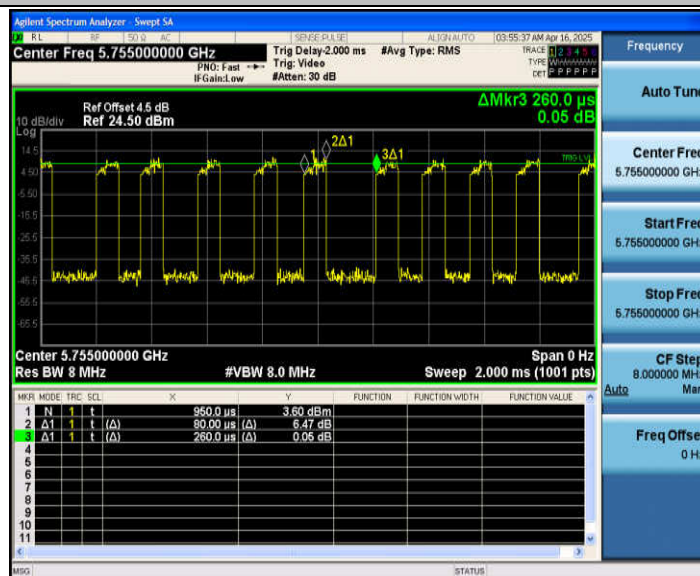
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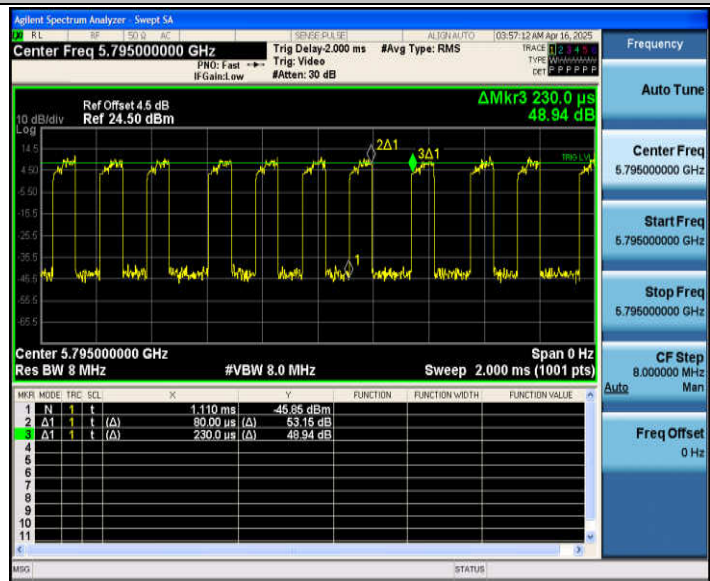
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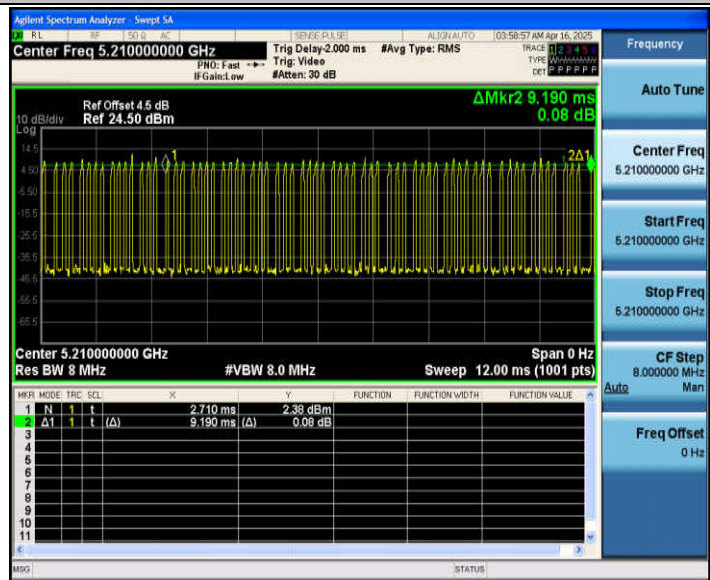
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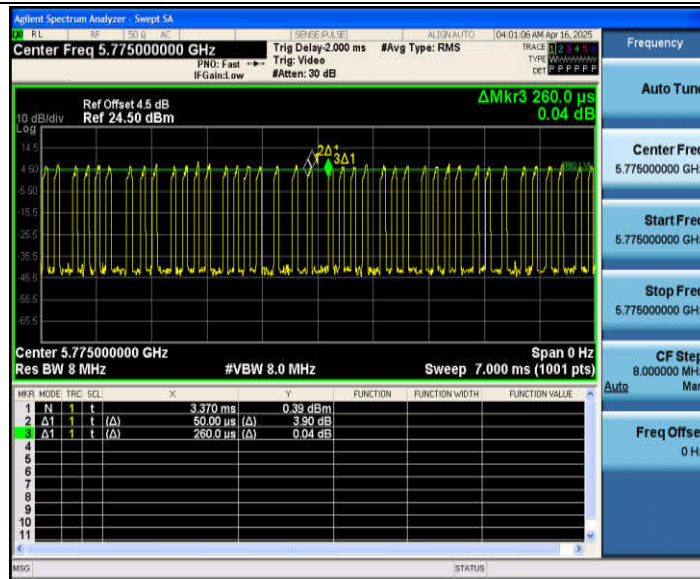
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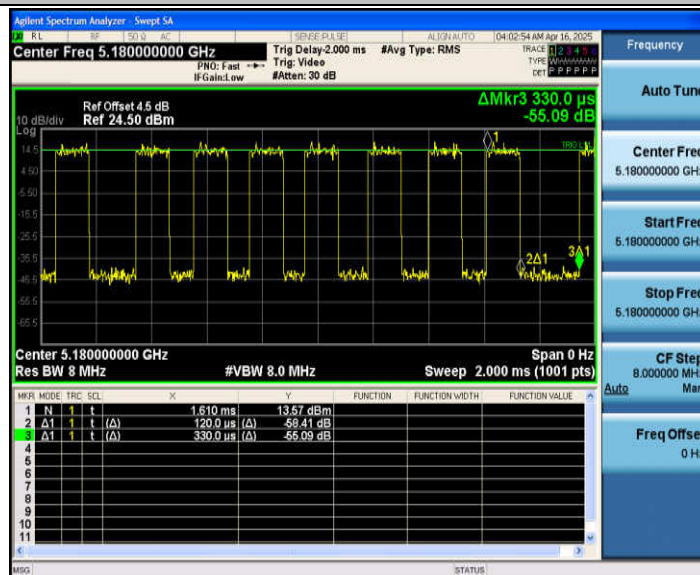
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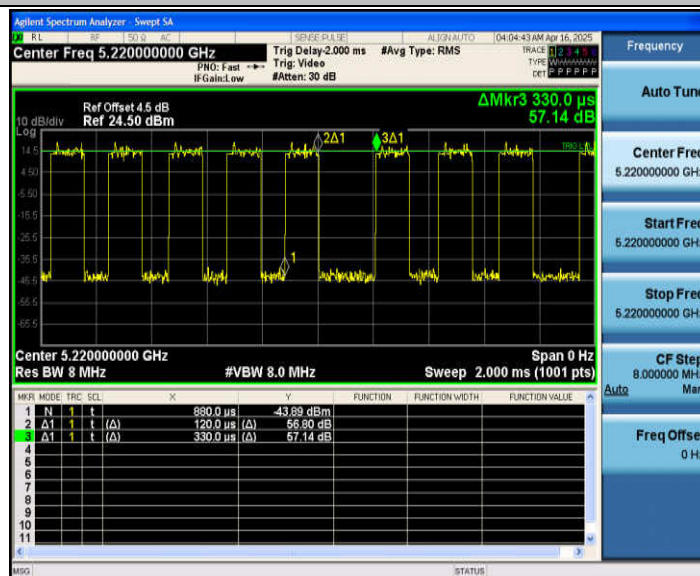
11AC80SISO_Ant1_5775



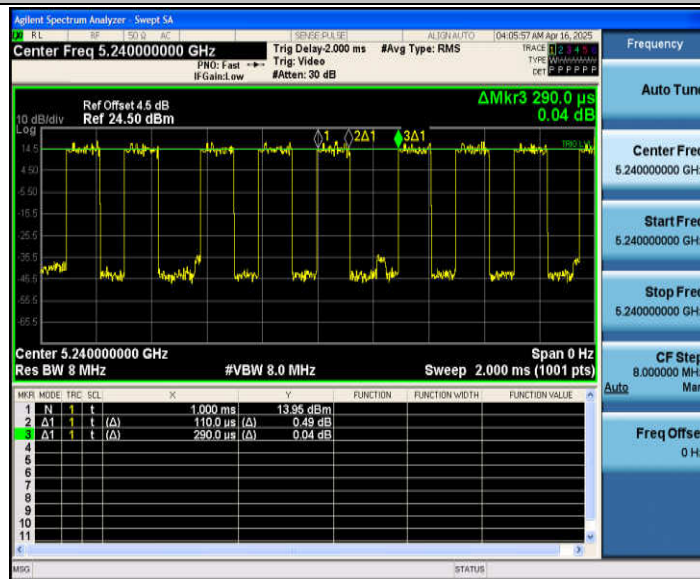
11AX20SISO_Ant1_5180



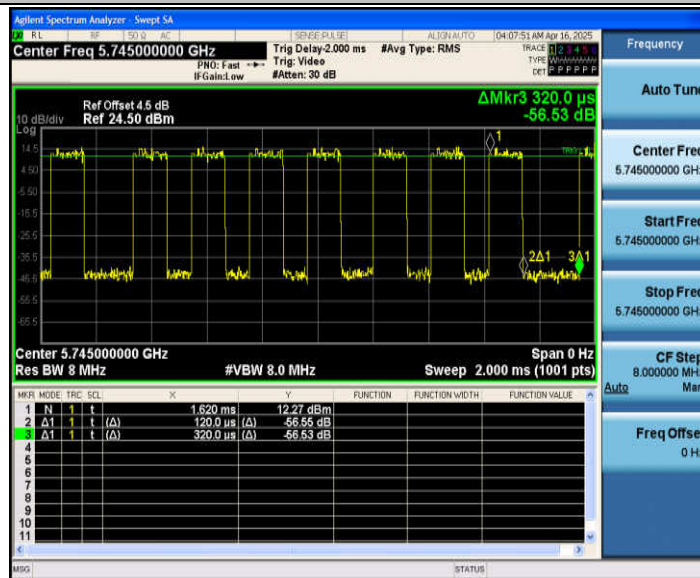
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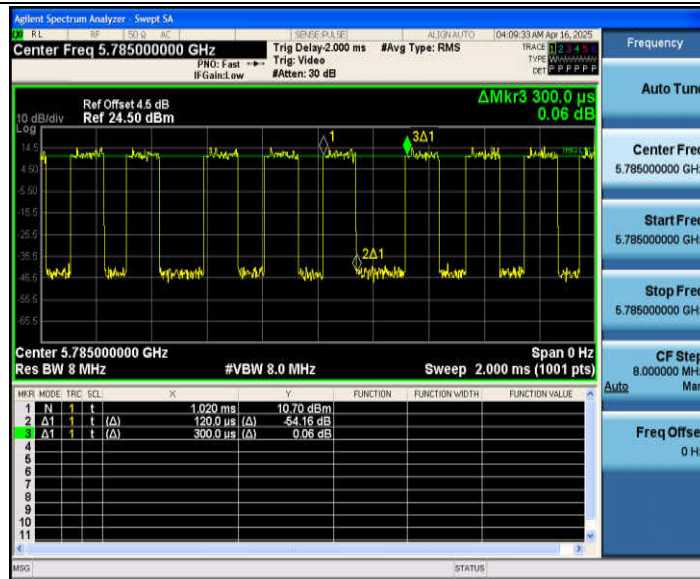
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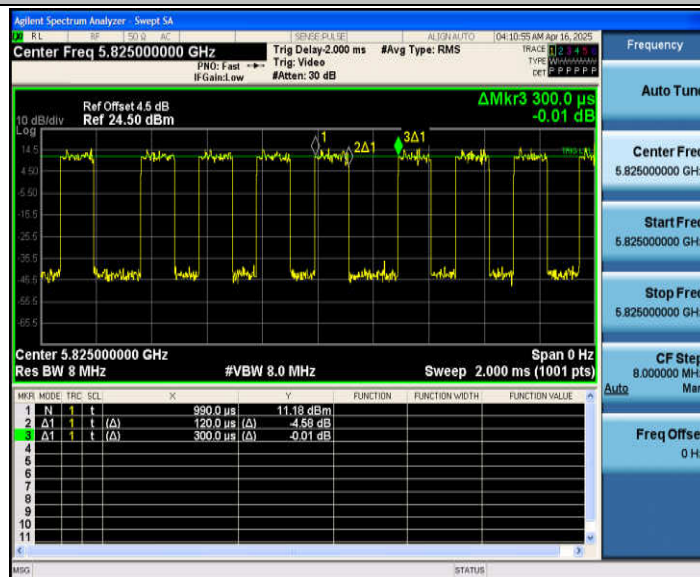
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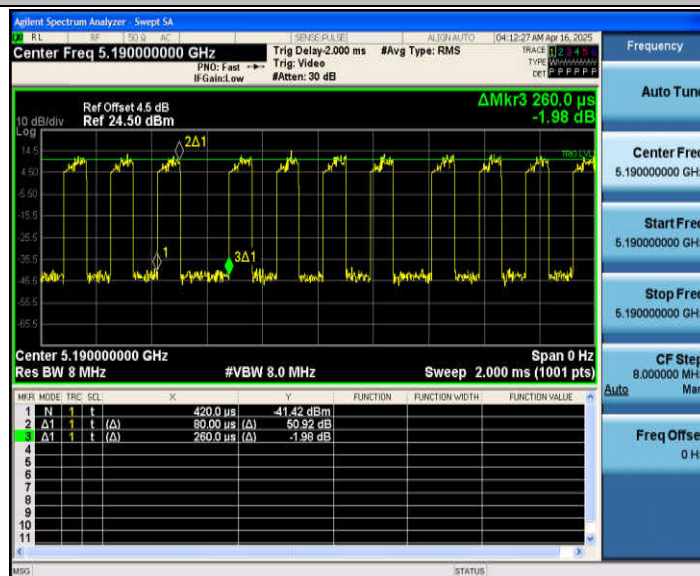
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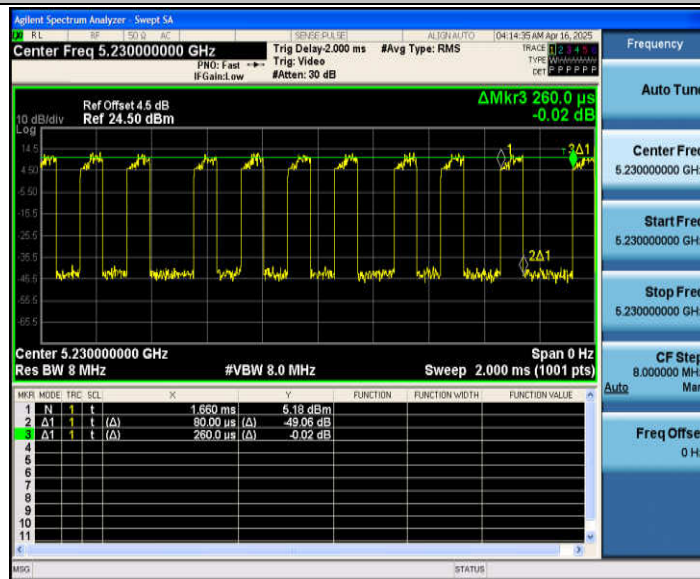
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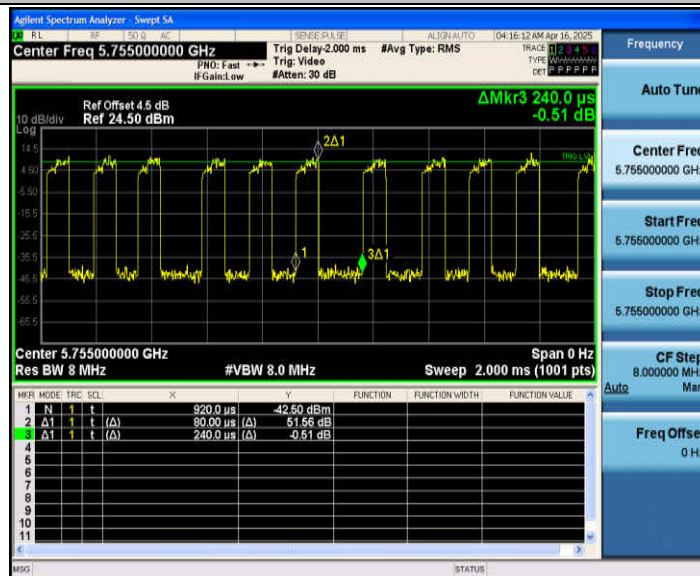
11AX40SISO_Ant1_5190



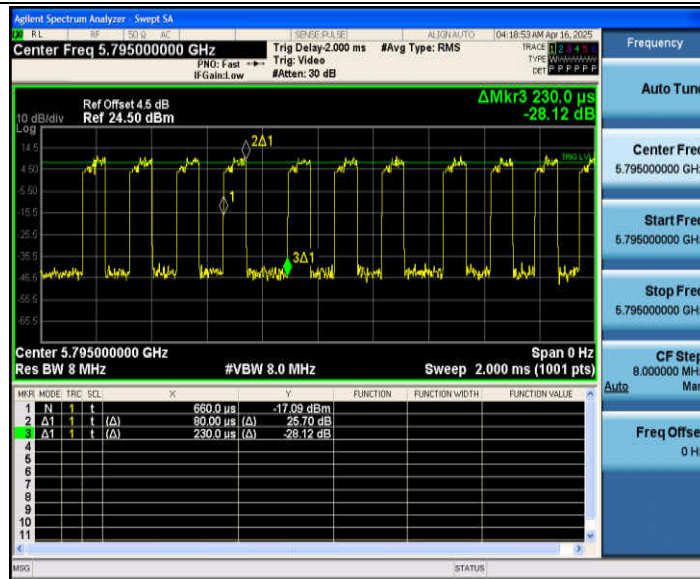
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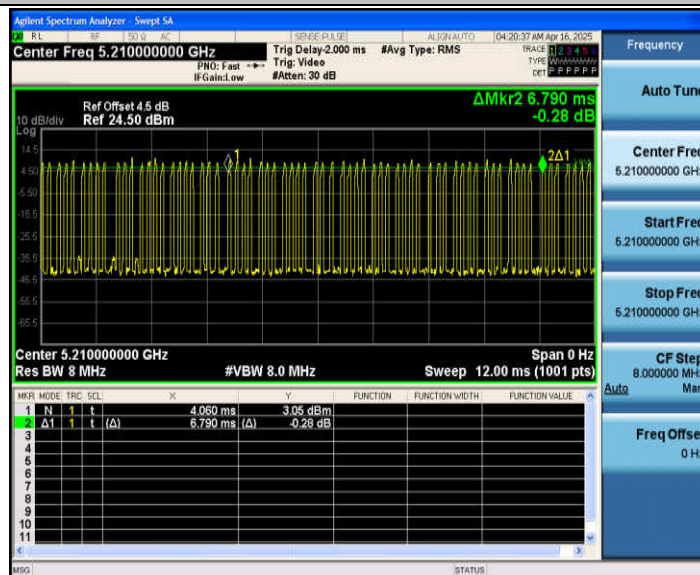
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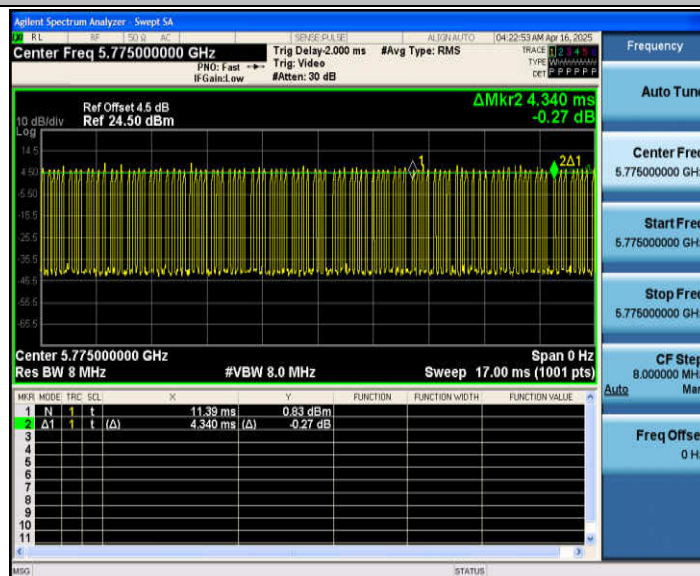
11AX40SISO_Ant1_5795



11AX80ISO_Ant1_5210



11AX80ISO_Ant1_5775



Appendix C: Maximum conducted output power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	9.40	54.55	2.63	12.03	≤23.98	PASS
		5220	9.41	44.00	3.57	12.98	≤23.98	PASS
		5240	9.41	40.74	3.90	13.31	≤23.98	PASS
		5745	7.34	39.29	4.06	11.40	≤30.00	PASS
		5785	6.65	42.86	3.68	10.33	≤30.00	PASS
		5825	6.68	42.31	3.74	10.42	≤30.00	PASS
11N20SISO	Ant1	5180	9.23	39.29	4.06	13.29	≤23.98	PASS
		5220	9.24	37.93	4.21	13.45	≤23.98	PASS
		5240	9.28	36.36	4.39	13.67	≤23.98	PASS
		5745	7.36	36.36	4.39	11.75	≤30.00	PASS
		5785	6.60	47.83	3.20	9.8	≤30.00	PASS
		5825	5.89	33.33	4.77	10.66	≤30.00	PASS
11N40SISO	Ant1	5190	7.46	29.63	5.28	12.74	≤23.98	PASS
		5230	7.59	26.92	5.70	13.29	≤23.98	PASS
		5755	5.52	26.92	5.70	11.22	≤30.00	PASS
		5795	5.00	25.00	6.02	11.02	≤30.00	PASS
11AC20SISO	Ant1	5180	9.46	41.38	3.83	13.29	≤23.98	PASS
		5220	9.40	52.38	2.81	12.21	≤23.98	PASS
		5240	9.47	35.29	4.52	13.99	≤23.98	PASS
		5745	7.46	41.38	3.83	11.29	≤30.00	PASS
		5785	6.66	41.38	3.83	10.49	≤30.00	PASS
		5825	6.71	48.00	3.19	9.90	≤30.00	PASS
11AC40SISO	Ant1	5190	7.64	30.77	5.12	12.76	≤23.98	PASS
		5230	7.72	33.33	4.77	12.49	≤23.98	PASS
		5755	5.78	30.77	5.12	10.90	≤30.00	PASS
		5795	5.17	34.78	4.59	9.76	≤30.00	PASS
11AC80SISO	Ant1	5210	6.79	34.60	4.61	11.40	≤23.98	PASS
		5775	4.71	19.23	7.16	11.87	≤30.00	PASS
11AX20SISO	Ant1	5180	9.31	36.36	4.39	13.70	≤23.98	PASS
		5220	9.36	36.36	4.39	13.75	≤23.98	PASS
		5240	9.47	37.93	4.21	13.68	≤23.98	PASS
		5745	7.42	37.50	4.26	11.68	≤30.00	PASS
		5785	6.69	40.00	3.98	10.67	≤30.00	PASS
		5825	6.76	40.00	3.98	10.74	≤30.00	PASS
11AX40SISO	Ant1	5190	7.66	30.77	5.12	12.78	≤23.98	PASS
		5230	7.69	30.77	5.12	12.81	≤23.98	PASS

11AX80SIS O		5755	5.70	33.33	4.77	10.47	≤30.00	PASS
		5795	5.10	34.78	4.59	9.69	≤30.00	PASS
	Ant1	5210	6.73	34.46	4.63	11.36	≤23.98	PASS
		5775	4.68	32.95	4.82	9.50	≤30.00	PASS

Note: The Duty Cycle Factor is compensated in the graph.

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	Result [dBm/MHz] For 5.2G	Verdict
			Result [dBm/300KHz] For 5.8G			Result [dBm/500kHz] For 5.8G	Result [dBm/500kHz] For 5.8G	
11A	Ant1	5180	-0.858	/	2.63	1.77	≤11.00	PASS
		5220	-1.024	/	3.57	2.55	≤11.00	PASS
		5240	-1.250	/	3.90	2.65	≤11.00	PASS
		5745	-7.954	2.22	4.06	-1.67	≤30.00	PASS
		5785	-8.072	2.22	3.68	-2.17	≤30.00	PASS
		5825	-8.243	2.22	3.74	-2.28	≤30.00	PASS
11N20SISO	Ant1	5180	-1.814	/	4.06	2.25	≤11.00	PASS
		5220	-1.233	/	4.21	2.98	≤11.00	PASS
		5240	-1.365	/	4.39	3.02	≤11.00	PASS
		5745	-7.796	2.22	4.39	-1.19	≤30.00	PASS
		5785	-8.383	2.22	3.20	-2.96	≤30.00	PASS
		5825	-8.459	2.22	4.77	-1.47	≤30.00	PASS
11N40SISO	Ant1	5190	-5.761	/	5.28	-0.48	≤11.00	PASS
		5230	-6.290	/	5.70	-0.59	≤11.00	PASS
		5755	-11.255	2.22	5.70	-3.34	≤30.00	PASS
		5795	-12.854	2.22	6.02	-4.61	≤30.00	PASS
11AC20SISO	Ant1	5180	-1.019	/	3.83	2.81	≤11.00	PASS
		5220	-1.307	/	2.81	1.50	≤11.00	PASS
		5240	-0.998	/	4.52	3.52	≤11.00	PASS
		5745	-8.190	2.22	3.83	-2.14	≤30.00	PASS
		5785	-8.657	2.22	3.83	-2.61	≤30.00	PASS
		5825	-8.169	2.22	3.19	-2.76	≤30.00	PASS
11AC40SISO	Ant1	5190	-5.798	/	5.12	-0.68	≤11.00	PASS
		5230	-6.186	/	4.77	-1.42	≤11.00	PASS
		5755	-12.021	2.22	5.12	-4.68	≤30.00	PASS
		5795	-12.480	2.22	4.59	-5.67	≤30.00	PASS
11AC80SISO	Ant1	5210	-9.738	/	4.61	-5.13	≤11.00	PASS
		5775	-14.809	2.22	7.16	-5.43	≤30.00	PASS
11AX20SISO	Ant1	5180	-0.725	/	4.39	3.66	≤11.00	PASS
		5220	-1.034	/	4.39	3.36	≤11.00	PASS
		5240	-0.951	/	4.21	3.26	≤11.00	PASS
		5745	-7.801	2.22	4.26	-1.32	≤30.00	PASS

		5785	-8.484	2.22	3.98	-2.28	≤30.00	PASS
		5825	-8.669	2.22	3.98	-2.47	≤30.00	PASS
11AX40SISO	Ant1	5190	-5.888	/	5.12	-0.77	≤11.00	PASS
		5230	-5.534	/	5.12	-0.41	≤11.00	PASS
		5755	-11.454	2.22	4.77	-4.46	≤30.00	PASS
		5795	-12.736	2.22	4.59	-5.93	≤30.00	PASS
11AX80SISO	Ant1	5210	-8.816	/	4.63	-4.19	≤11.00	PASS
		5775	-14.736	2.22	4.82	-7.70	≤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



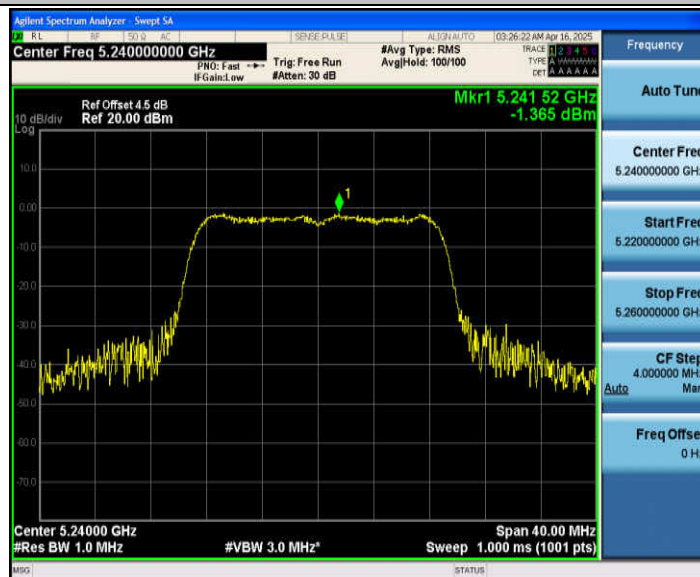
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11N20SISO_Ant1_5220



11N20SISO_Ant1_5240



11N20SISO_Ant1_5745



11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



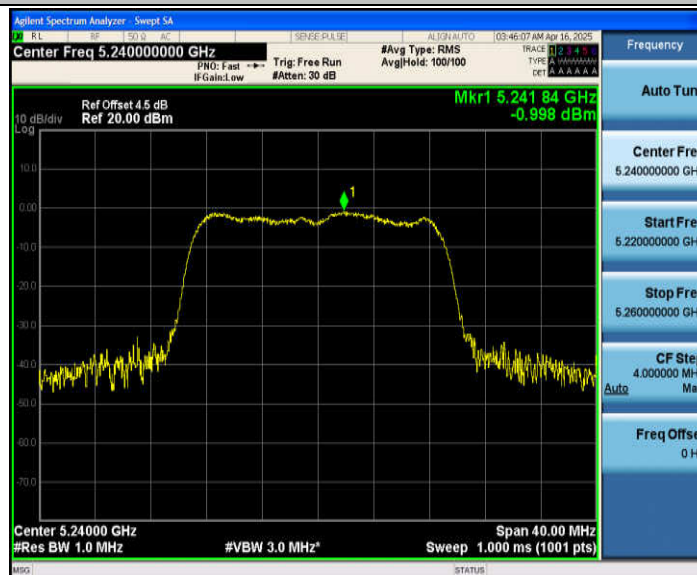
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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



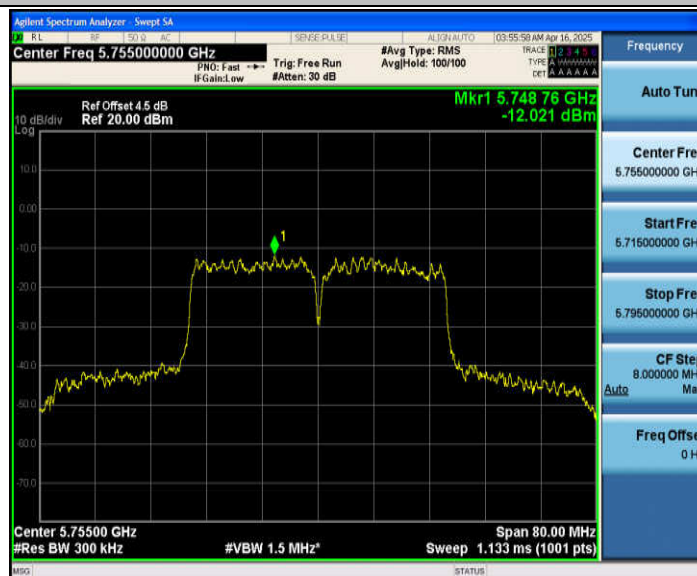
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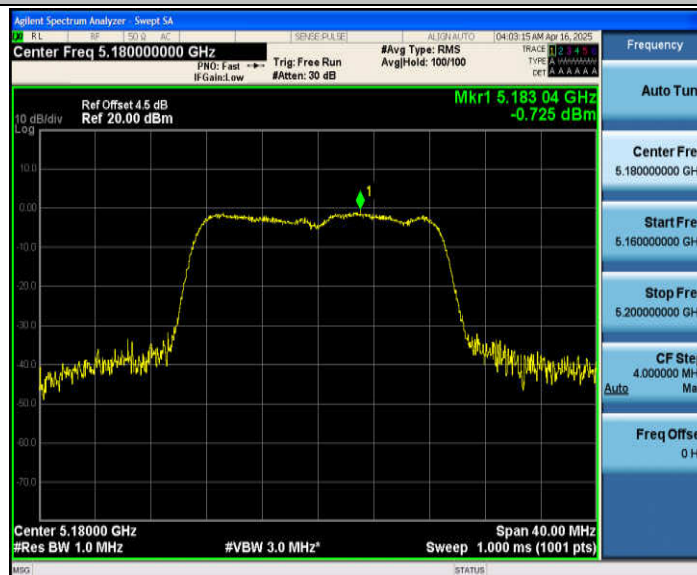
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11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5220

