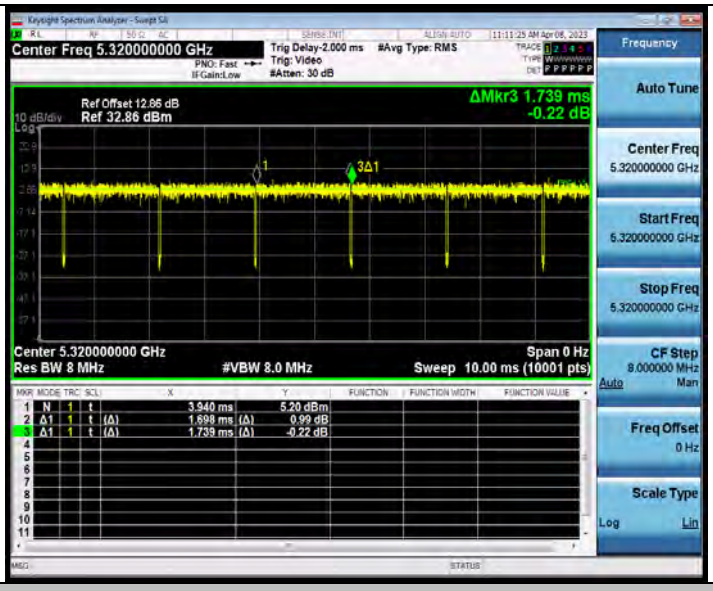
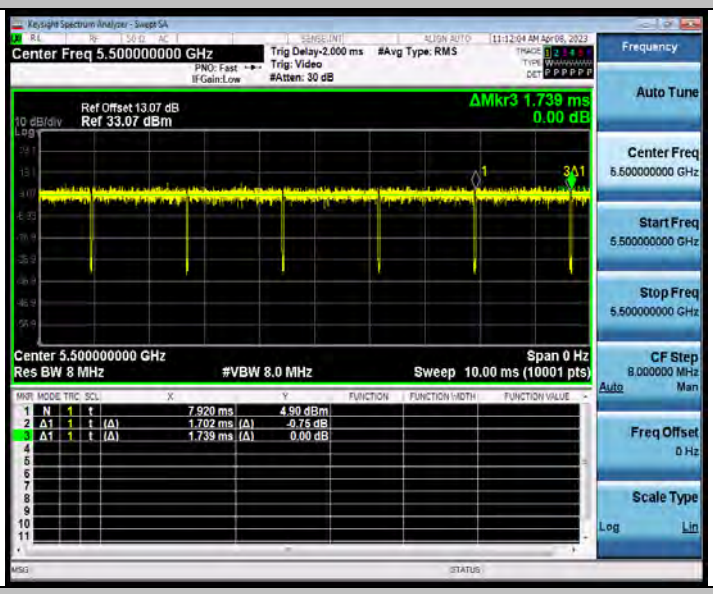


11N20SISO_Ant1_5500



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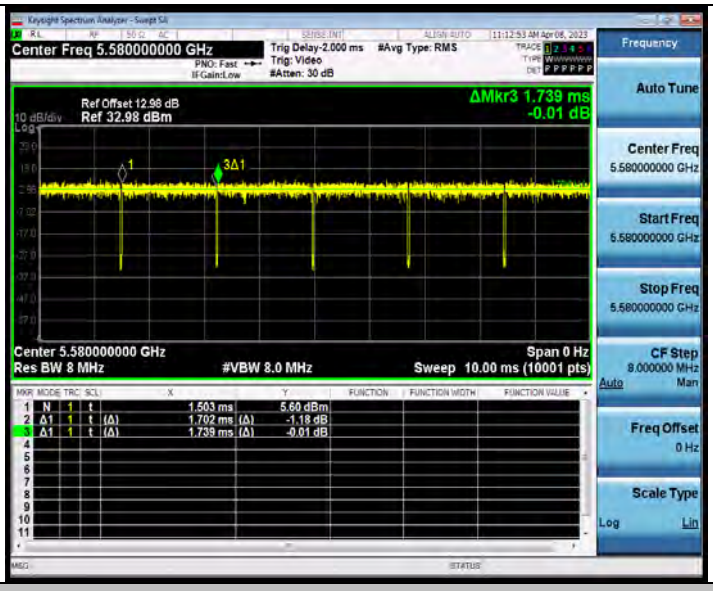

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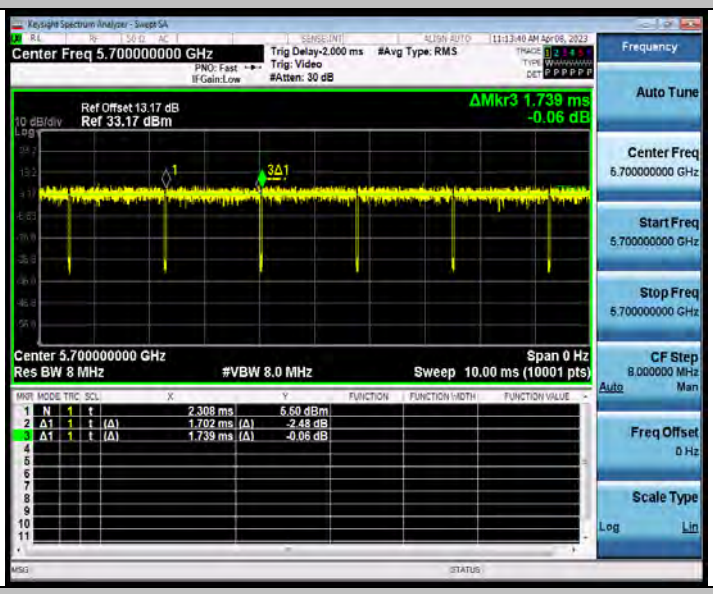

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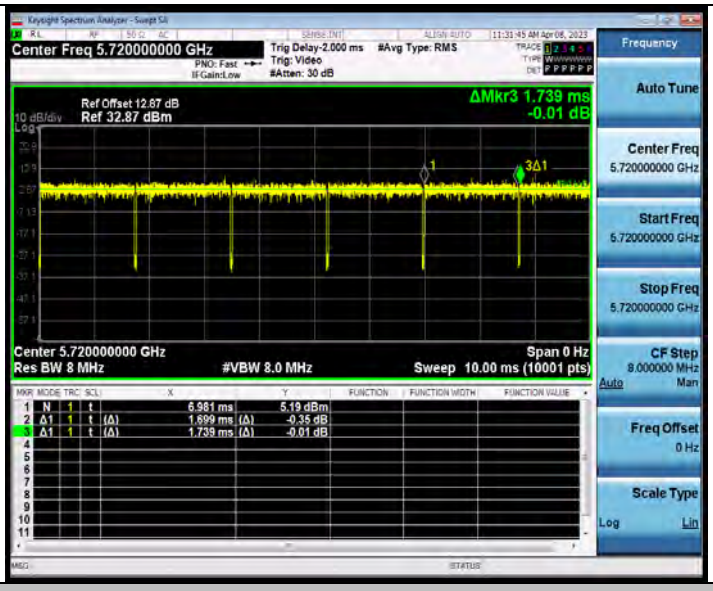

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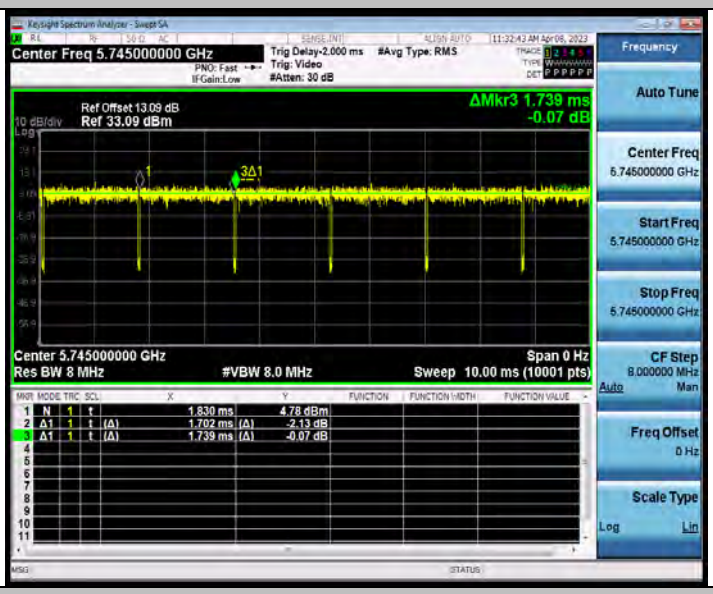

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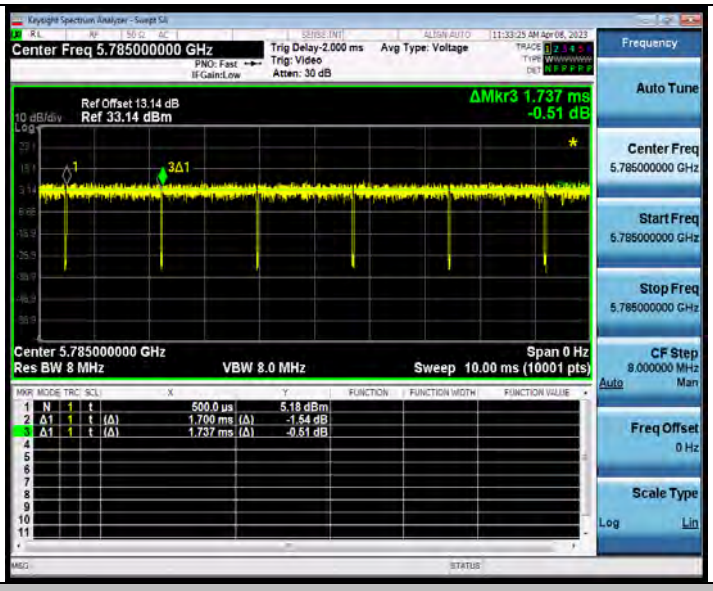

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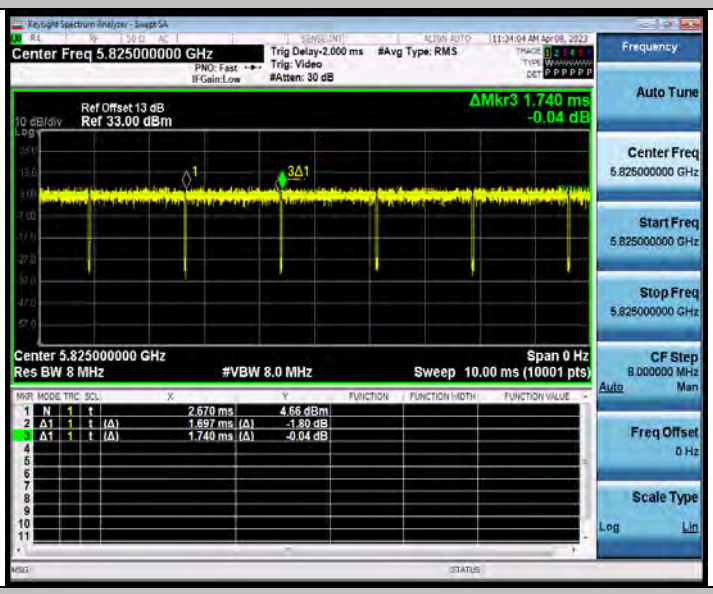

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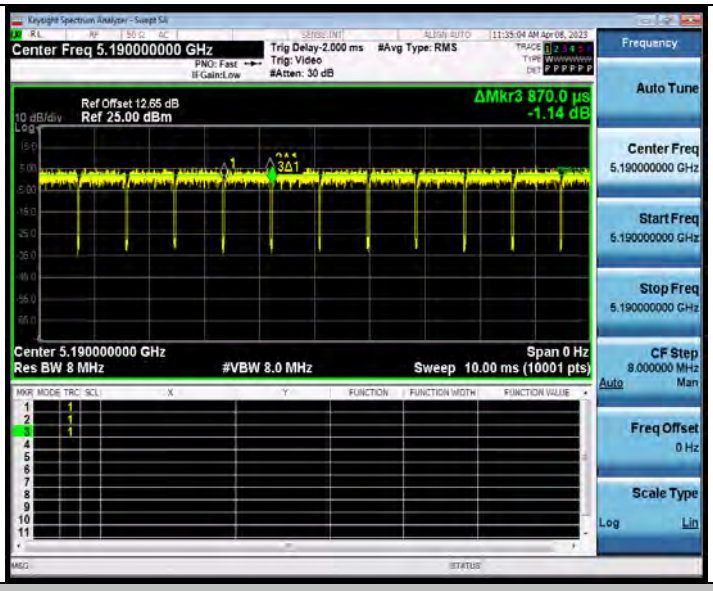

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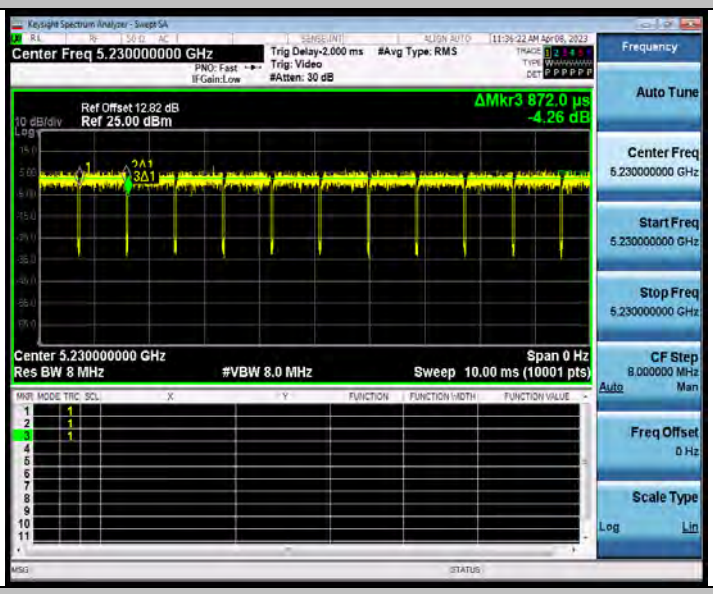

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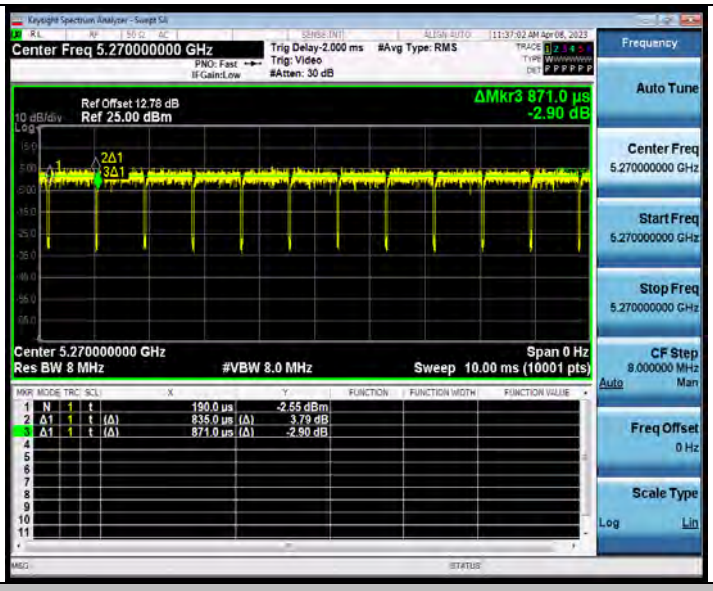

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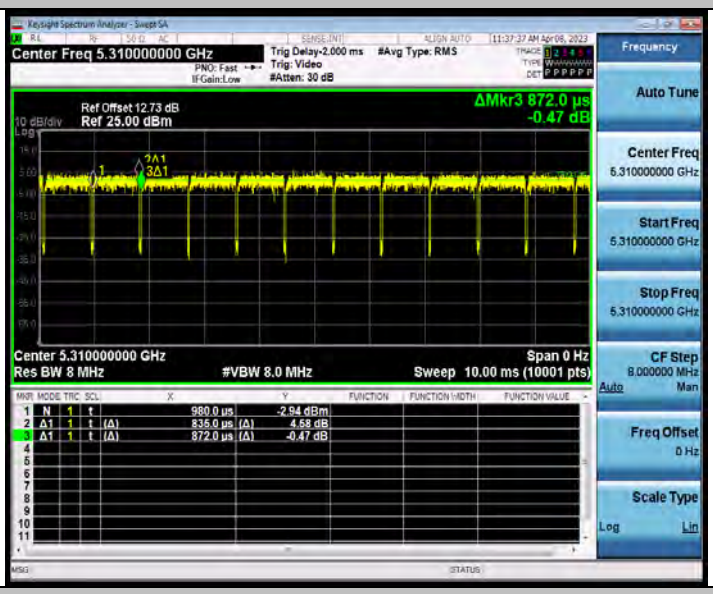

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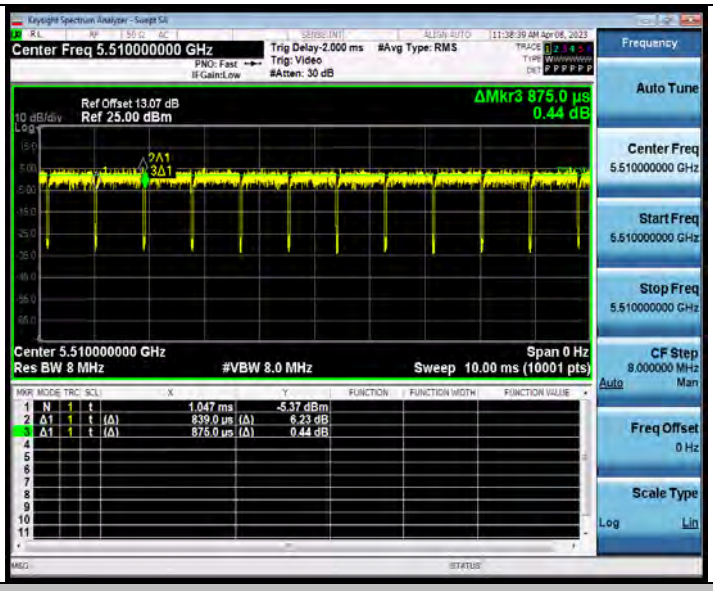

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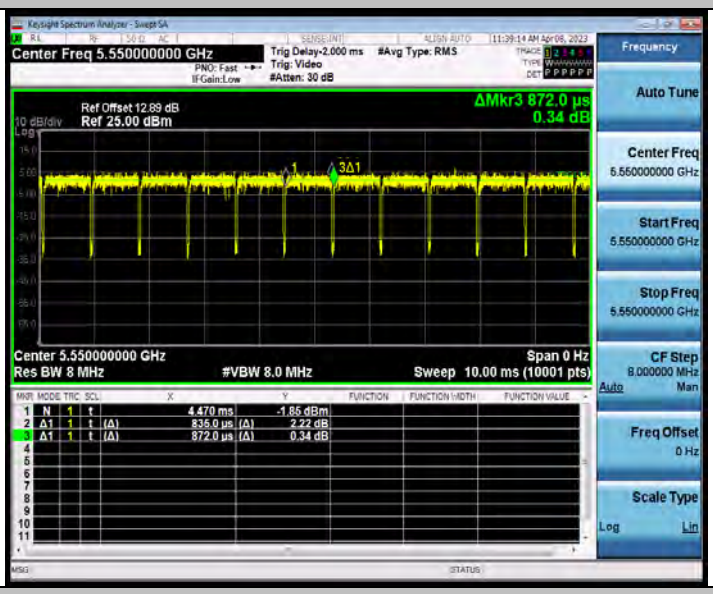

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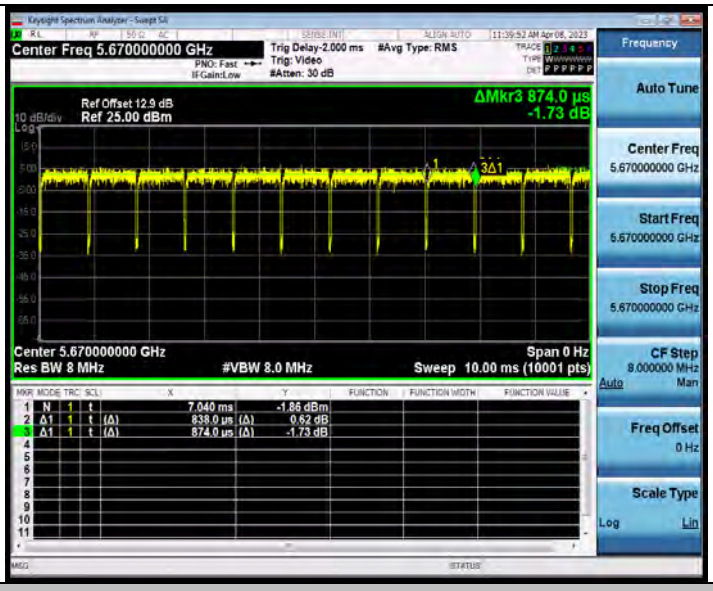

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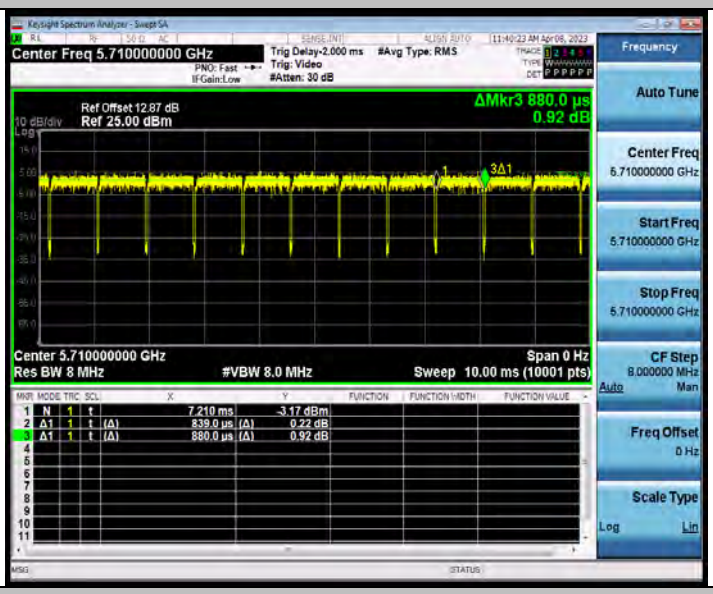

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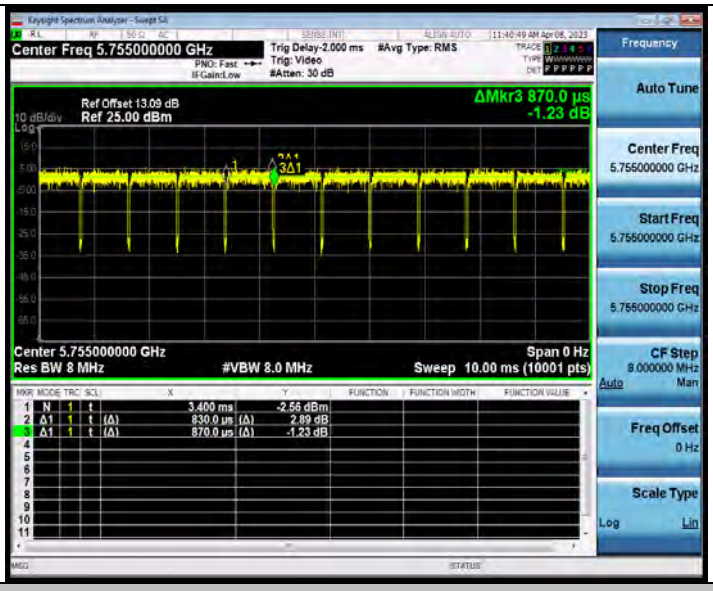

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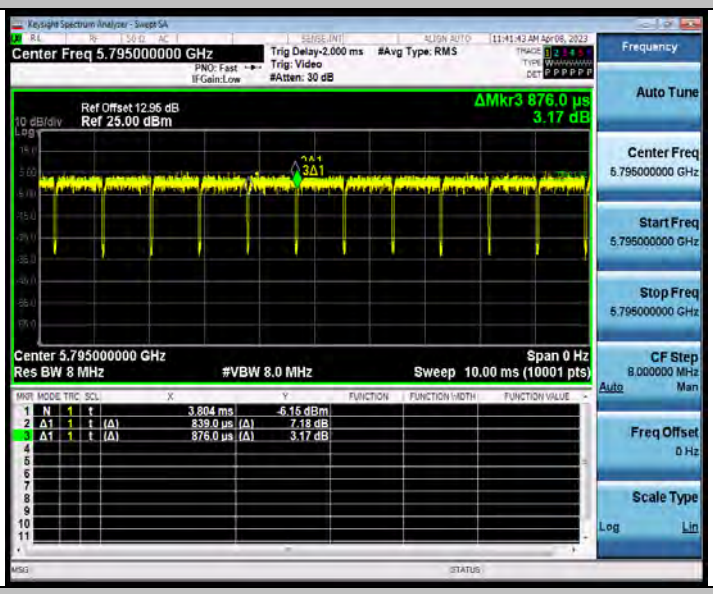

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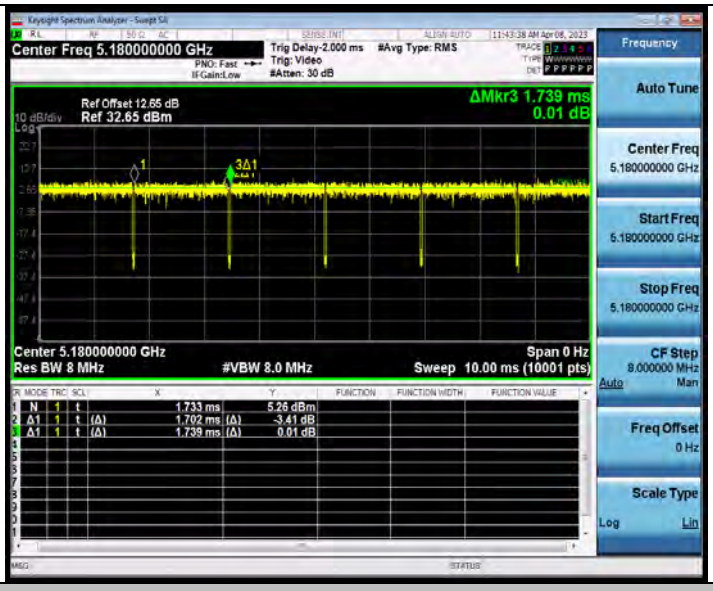

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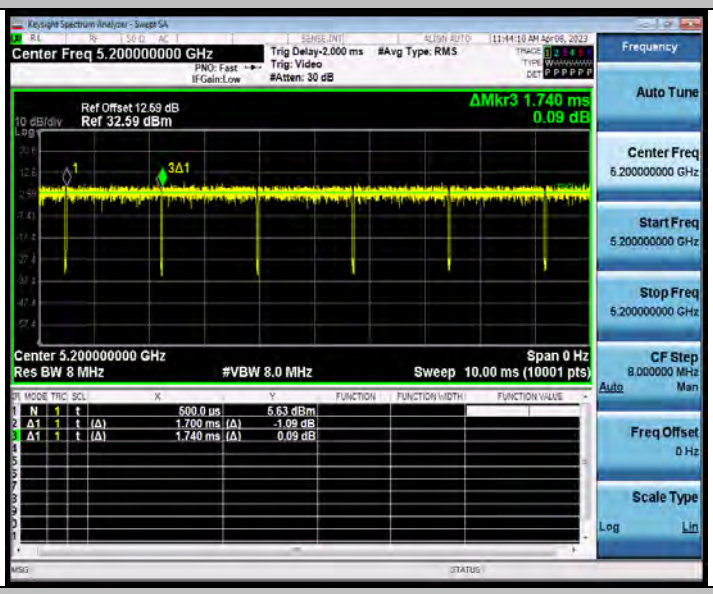

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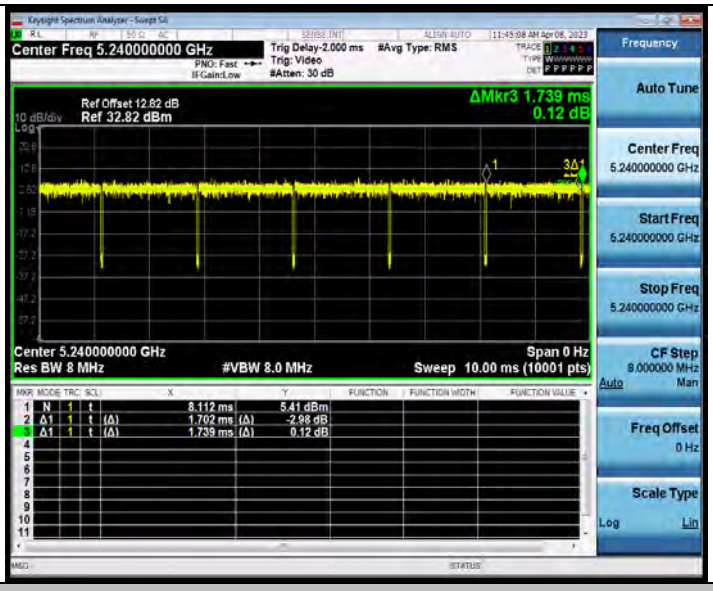

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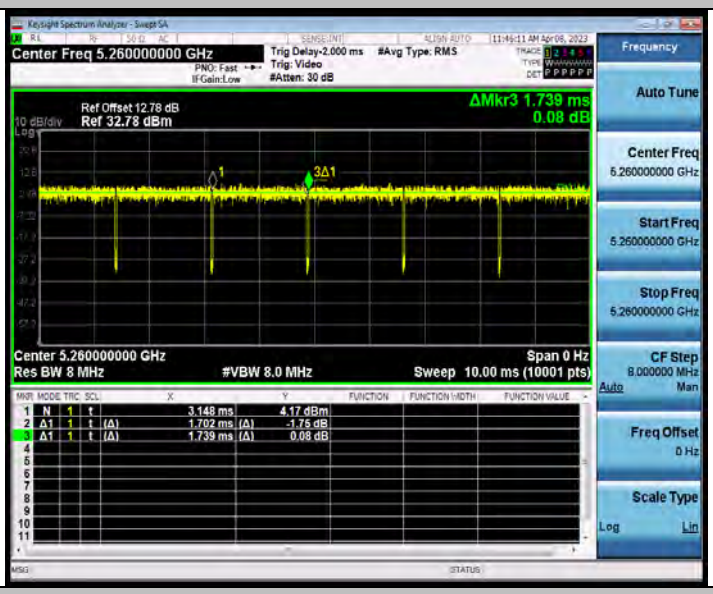

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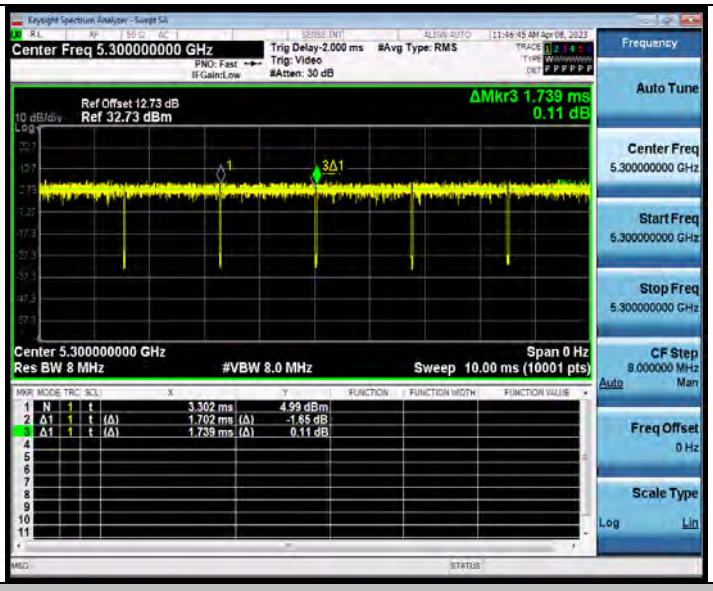

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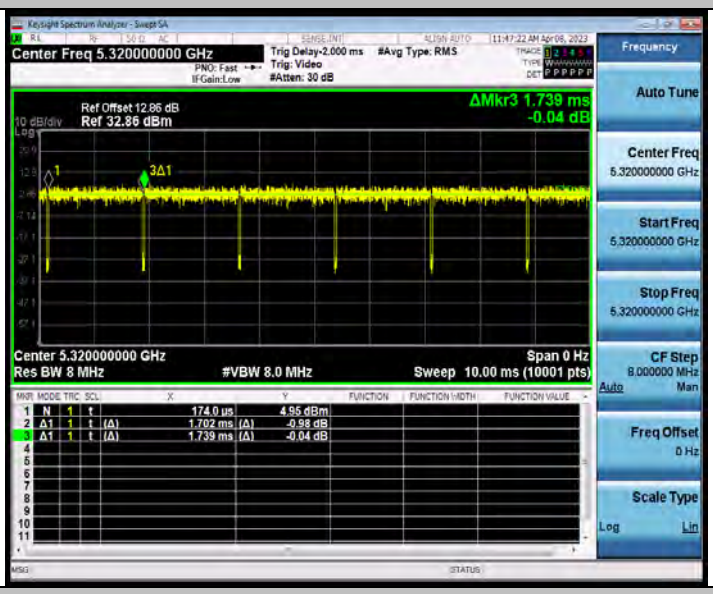

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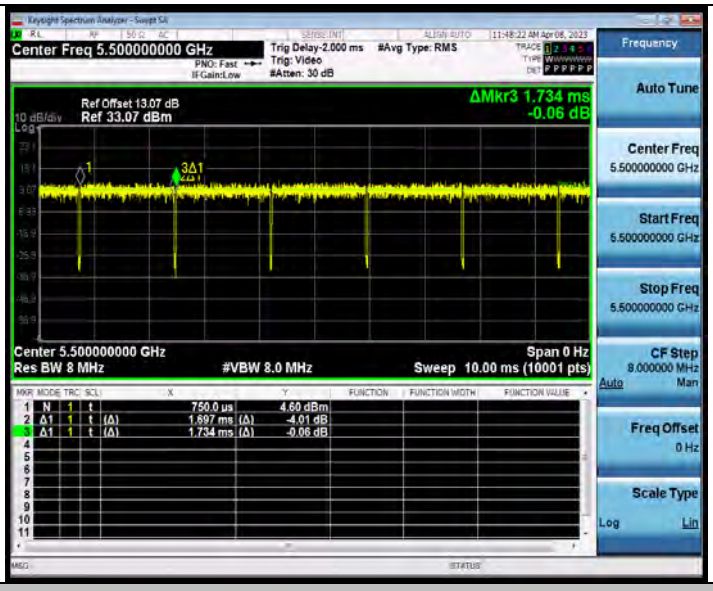

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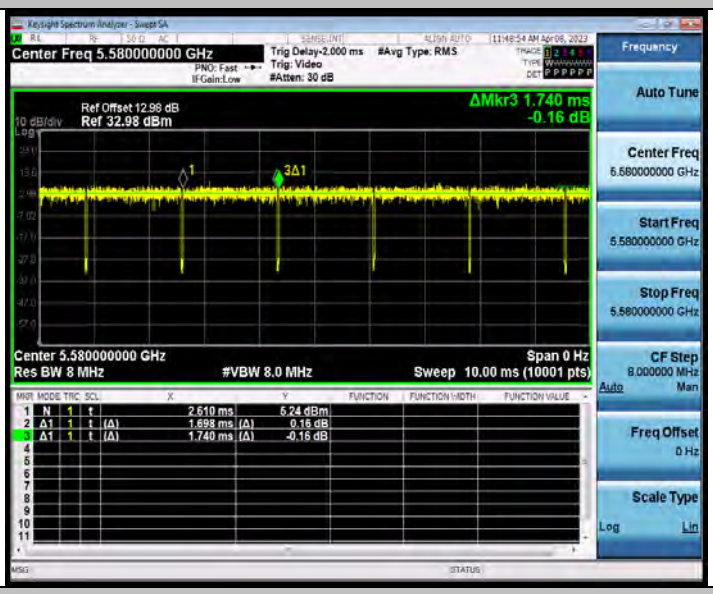

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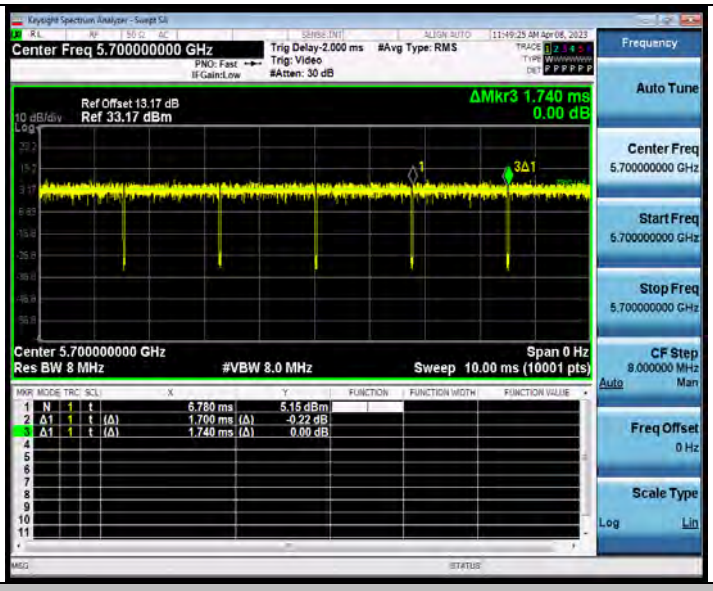

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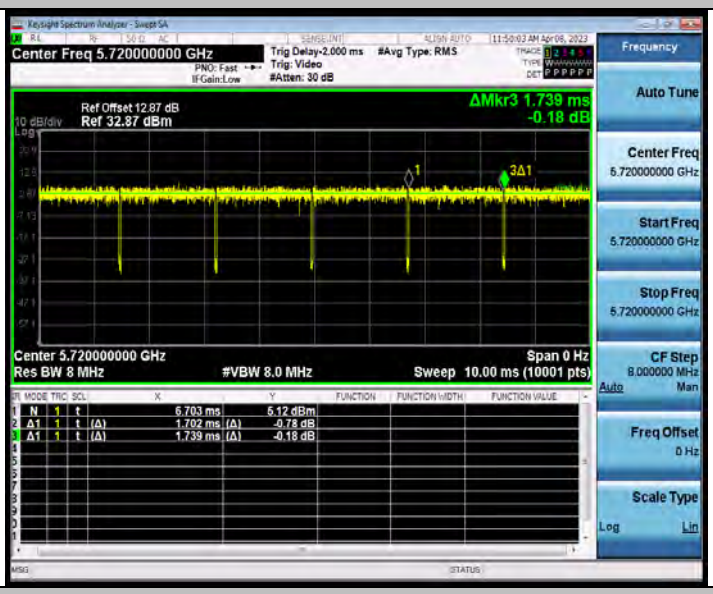

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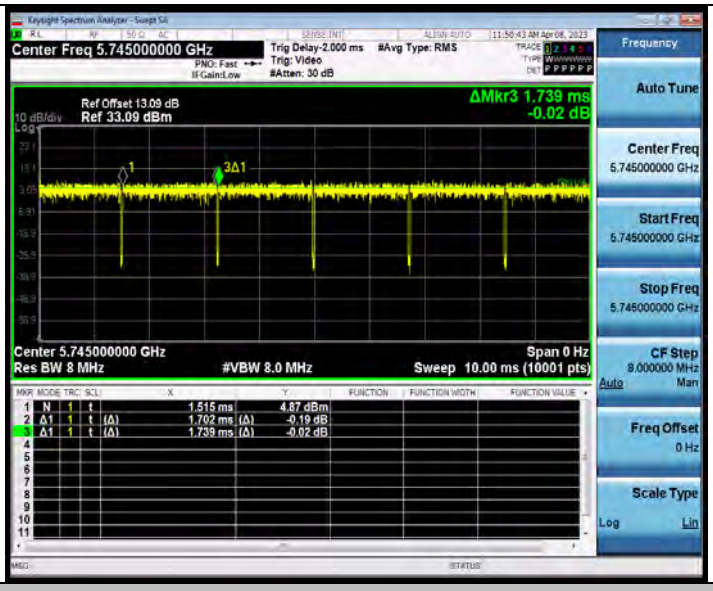

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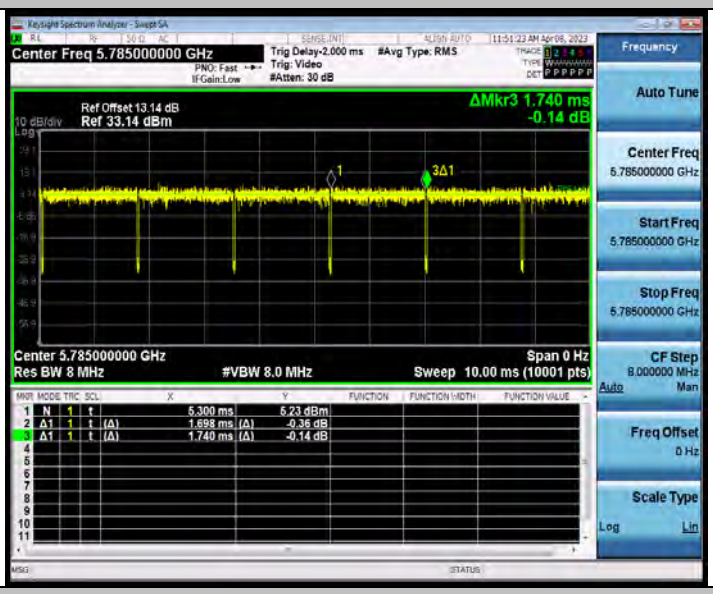

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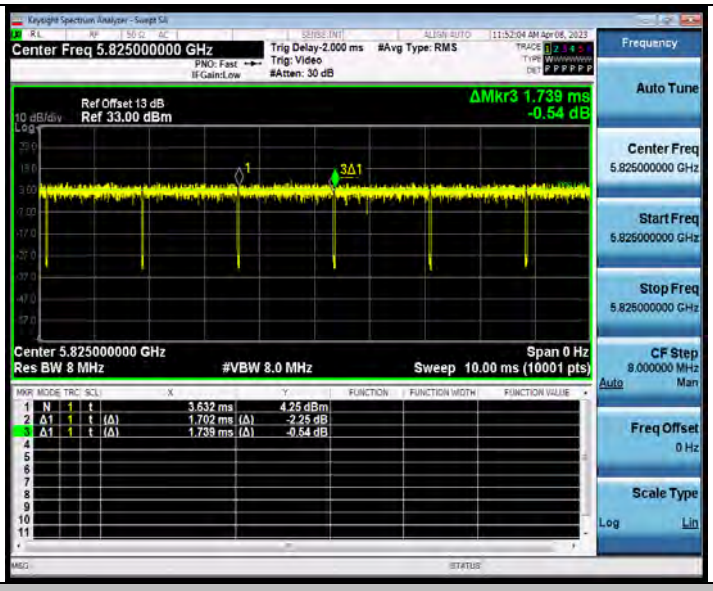

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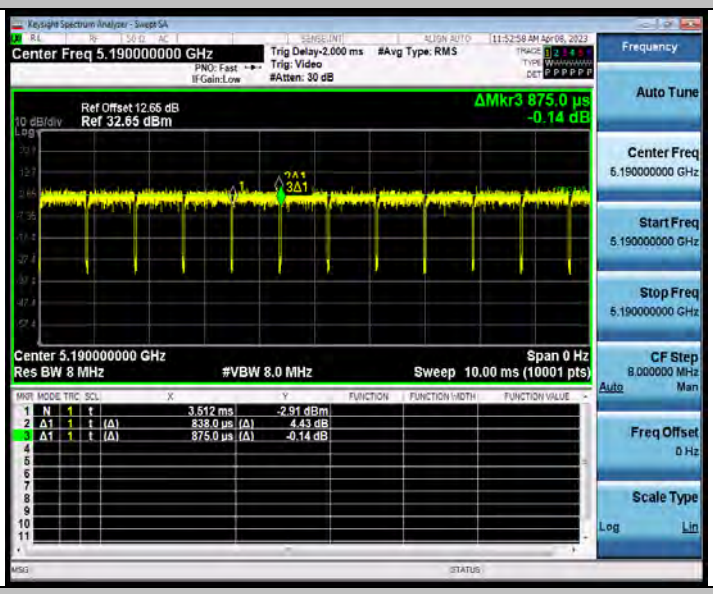

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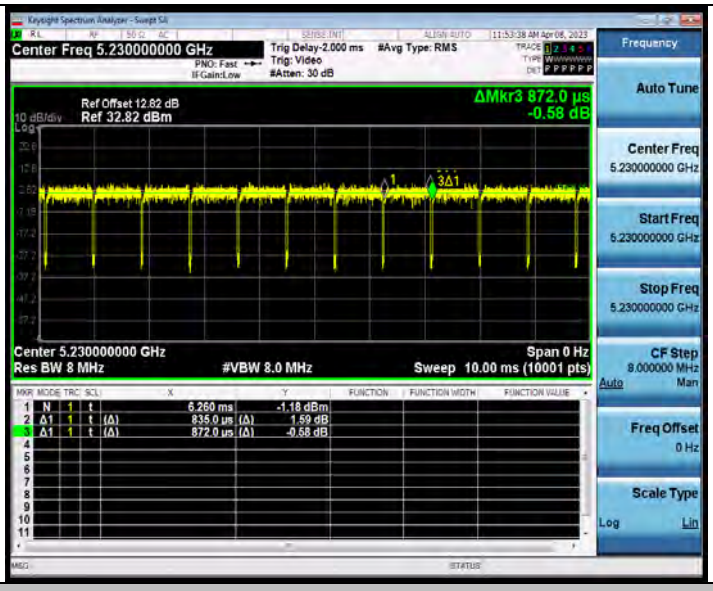

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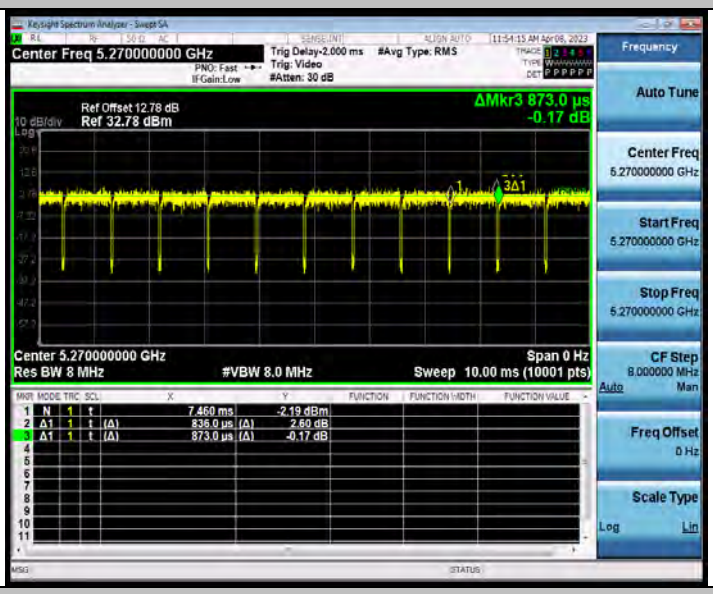

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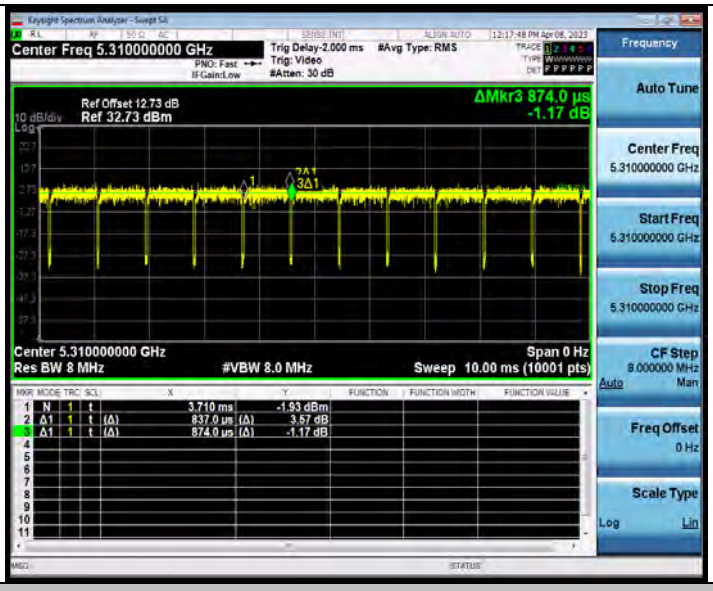

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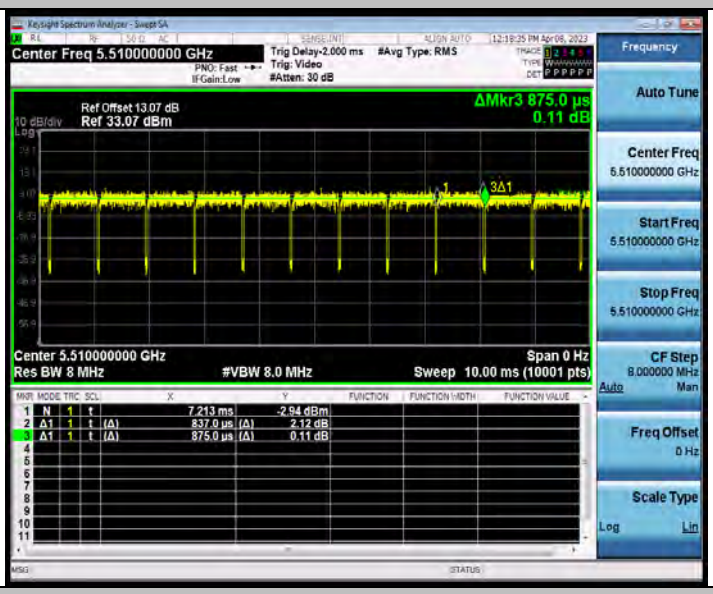

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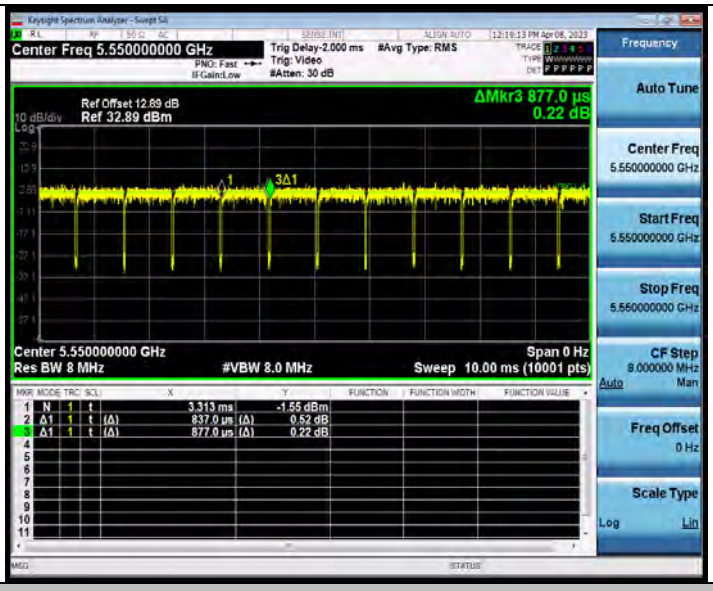

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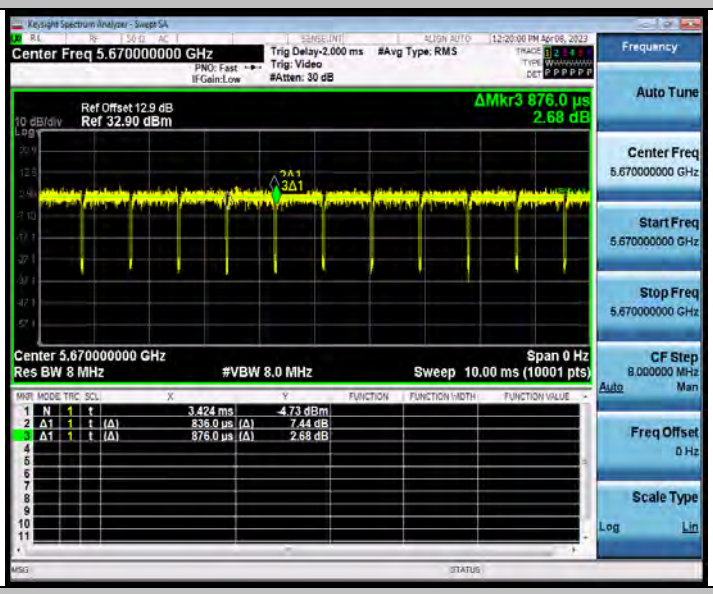

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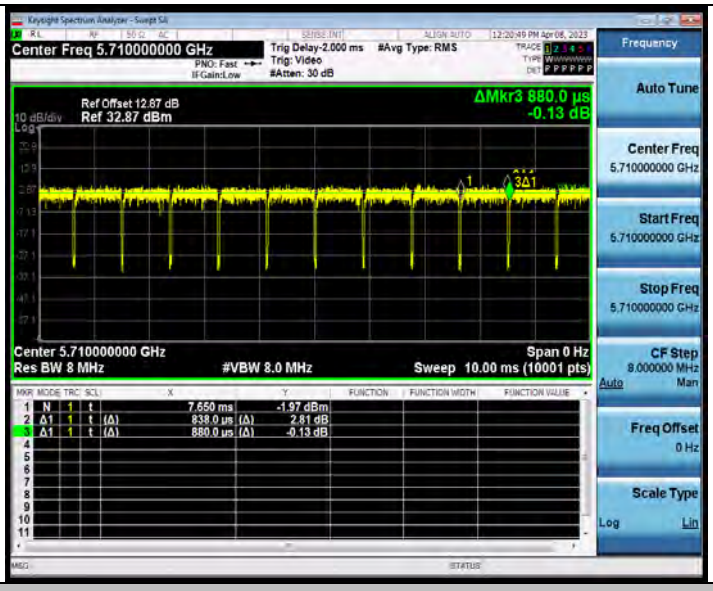

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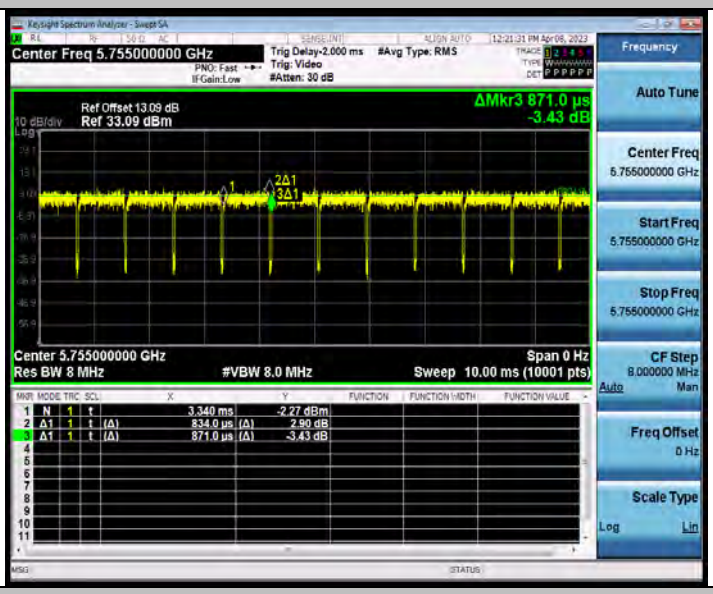

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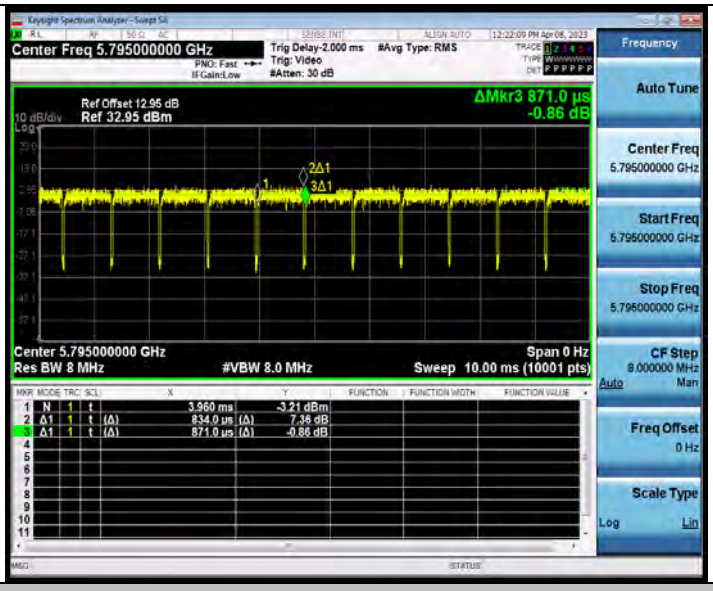

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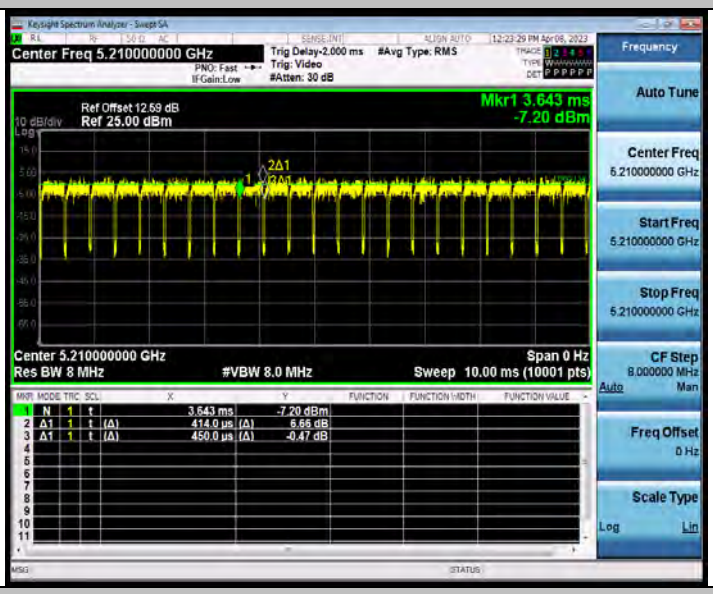

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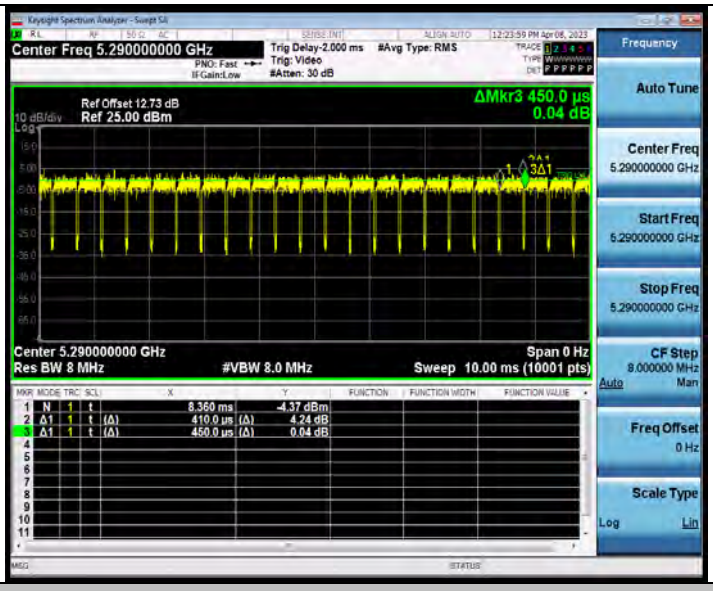

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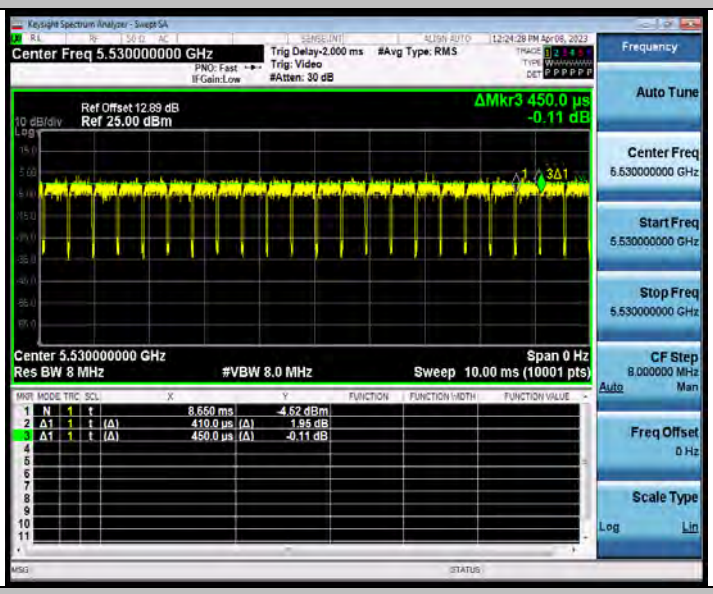

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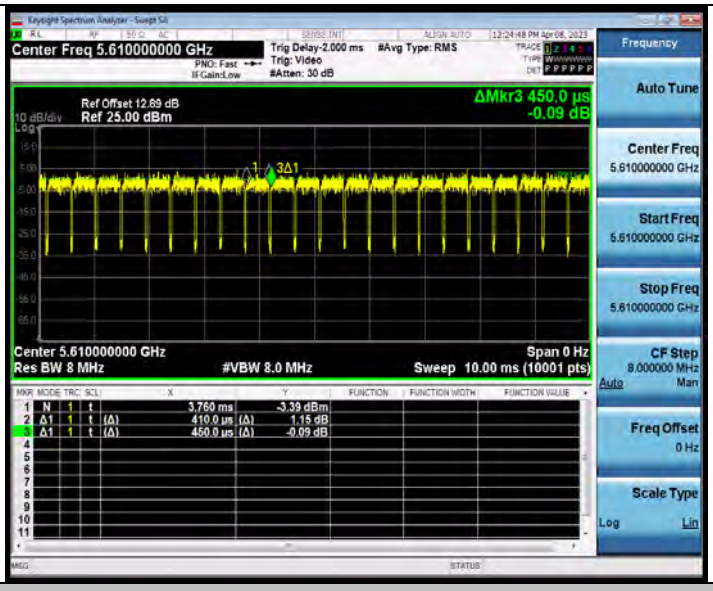

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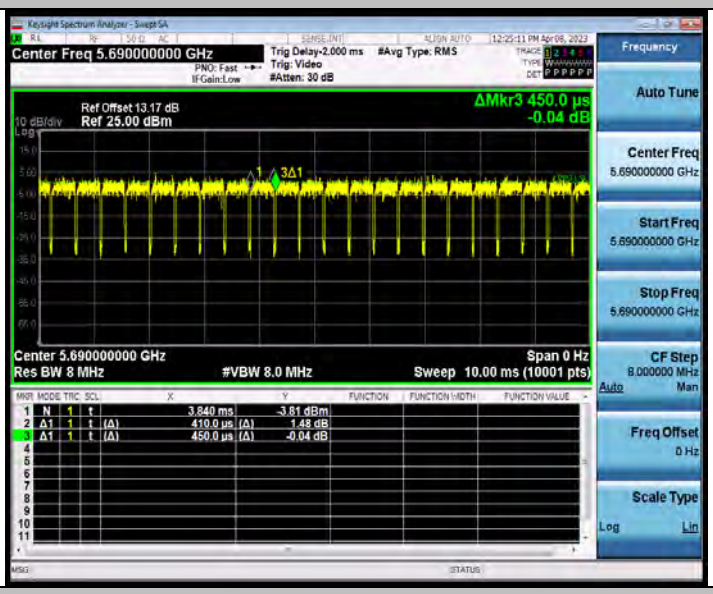

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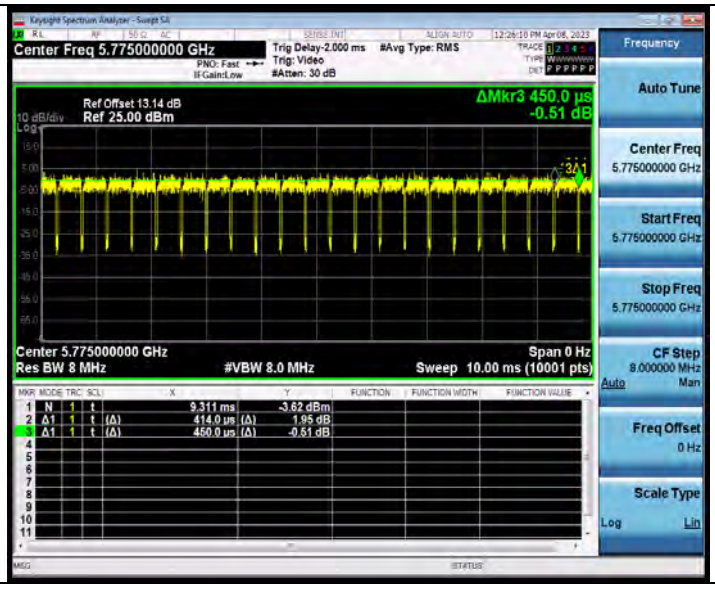


MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT

Mode	TX Type	Freq. (MHz)	Maximum Conducted Power (dBm)	FCC Limit (dBm)	IC Limit (dBm)	EIRP (dBm)	IC EIRP Limit (dBm)	Verdict	Power setting
802.11a	SISO	5180	13.27	≤24.00	/	13.27	≤22.30	Pass	13.5
		5200	13.21	≤24.00	/	13.21	≤22.31	Pass	13.5
		5240	12.97	≤24.00	/	12.97	≤22.30	Pass	14
		5260	12.87	≤24.00	≤23.30	12.87	≤29.29	Pass	14
		5300	12.89	≤24.00	≤23.29	12.89	≤29.30	Pass	14
		5320	12.99	≤24.00	≤23.30	12.99	≤29.30	Pass	14
		5500	13.08	≤24.00	≤24.00	13.08	≤29.30	Pass	14
		5580	13.24	≤24.00	≤24.00	13.24	≤29.30	Pass	14
		5700	13.11	≤24.00	≤24.00	13.11	≤29.31	Pass	14
		5720_ UNII-2 C	12.89	≤24.00	≤24.00	12.89	≤29.31	Pass	14
		5720_ UNII-3	12.89	≤30.00	≤30.00	12.89	/	Pass	14

		5745	12.90	≤30.00	≤30.00	12.90	/	Pass	14
		5785	12.82	≤30.00	≤30.00	12.82	/	Pass	14.5
		5825	12.91	≤30.00	≤30.00	12.91	/	Pass	14.5
802.11n (HT20)	SISO	5180	12.23	≤24.00	/	12.23	≤22.55	Pass	12.5
		5200	12.20	≤24.00	/	12.20	≤22.54	Pass	12.5
		5240	12.13	≤24.00	/	12.13	≤22.53	Pass	13
		5260	11.98	≤24.00	≤23.54	11.98	≤24.00	Pass	13
		5300	12.22	≤24.00	≤23.55	12.22	≤29.55	Pass	13.5
		5320	12.17	≤24.00	≤23.55	12.17	≤29.55	Pass	13
		5500	12.16	≤24.00	≤23.54	12.16	≤29.54	Pass	13
		5580	12.13	≤24.00	≤23.54	12.13	≤29.54	Pass	12.5
		5700	12.14	≤24.00	≤23.54	12.14	≤29.54	Pass	13
		5720_UNII-2C	12.03	≤24.00	≤23.55	12.03	≤29.55	Pass	13
		5720_UNII-3	12.03	≤30.00	≤30.00	12.03	/	Pass	12.5
		5745	12.19	≤30.00	≤30.00	12.19	/	Pass	12.5
		5785	12.12	≤30.00	≤30.00	12.12	/	Pass	13
		5825	12.21	≤30.00	≤30.00	12.21	/	Pass	13
802.11n (HT40)	SISO	5190	12.32	≤24.00	/	12.32	≤23.01	Pass	11.5
		5230	12.22	≤24.00	/	12.22	≤23.01	Pass	11.5
		5270	12.19	≤24.00	≤24.00	12.19	≤30.00	Pass	12
		5310	12.28	≤24.00	≤24.00	12.28	≤30.00	Pass	12.5
		5510	12.12	≤24.00	≤24.00	12.12	≤30.00	Pass	12
		5550	12.26	≤24.00	≤24.00	12.26	≤30.00	Pass	12
		5670	12.28	≤24.00	≤24.00	12.28	≤30.00	Pass	12
		5710_UNII-2C	12.09	≤24.00	≤24.00	12.09	≤30.00	Pass	12.5
		5710_UNII-3	12.09	≤30.00	≤30.00	12.09	/	Pass	12.5
		5755	12.08	≤30.00	≤30.00	12.08	/	Pass	12.5
		5795	12.15	≤30.00	≤30.00	12.15	/	Pass	13
802.11a	SISO	5180	10.19	≤24.00	/	10.19	≤22.53	Pass	10

c (VHT20)		5200	10.20	≤24.00	/	10.20	≤22.52	Pass	10
		5240	10.12	≤24.00	/	10.12	≤22.53	Pass	10.5
		5260	10.09	≤24.00	≤23.52	10.09	≤24.00	Pass	10.5
		5300	10.27	≤24.00	≤23.53	10.27	≤29.53	Pass	11
		5320	10.26	≤24.00	≤23.53	10.26	≤29.53	Pass	11
		5500	10.24	≤24.00	≤23.53	10.24	≤29.53	Pass	11
		5580	10.17	≤24.00	≤23.52	10.17	≤29.52	Pass	10.5
		5700	10.22	≤24.00	≤23.52	10.22	≤29.52	Pass	11
		5720_ UNII-2 C	10.08	≤24.00	≤23.51	10.08	≤29.51	Pass	11
		5720_ UNII-3	10.08	≤30.00	≤30.00	10.08	/	Pass	11
		5745	9.96	≤30.00	≤30.00	9.96	/	Pass	11.5
		5785	10.09	≤30.00	≤30.00	10.09	/	Pass	11.5
		5825	9.89	≤30.00	≤30.00	9.89	/	Pass	11
802.11a c (VHT40)	SISO	5190	10.09	≤24.00	/	10.09	≤23.01	Pass	9.5
		5230	9.87	≤24.00	/	9.87	≤23.01	Pass	9.5
		5270	10.20	≤24.00	≤24.00	10.20	≤30.00	Pass	9
		5310	10.16	≤24.00	≤24.00	10.16	≤30.00	Pass	10
		5510	10.22	≤24.00	≤24.00	10.22	≤30.00	Pass	10
		5550	10.30	≤24.00	≤24.00	10.30	≤30.00	Pass	10
		5670	10.29	≤24.00	≤24.00	10.29	≤30.00	Pass	10
		5710_ UNII-2 C	9.97	≤24.00	≤24.00	9.97	≤30.00	Pass	10
		5710_ UNII-3	9.97	≤30.00	≤30.00	9.97	/	Pass	10
		5755	10.33	≤30.00	≤30.00	10.33	/	Pass	10.5
		5795	9.96	≤30.00	≤30.00	9.96	/	Pass	10.5
802.11a c (VHT80)	SISO	5210	10.58	≤24.00	/	10.58	≤23.01	Pass	10
		5290	10.18	≤24.00	≤24.00	10.18	≤30.00	Pass	10.5
		5530	10.20	≤24.00	≤24.00	10.20	≤30.00	Pass	10.5
		5610	10.13	≤24.00	≤24.00	10.13	≤30.00	Pass	10

802.11ac (VHT80)	SISO	5690_UNII-2C	9.92	≤24.00	≤24.00	9.92	≤30.00	Pass	10
		5690_UNII-3	10.07	≤30.00	≤30.00	10.07	/	Pass	10
		5775	10.23	≤30.00	≤30.00	10.23	/	Pass	11

Note1: Maximum Conducted Power= Conducted Power +Duty Cycle Factor

MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

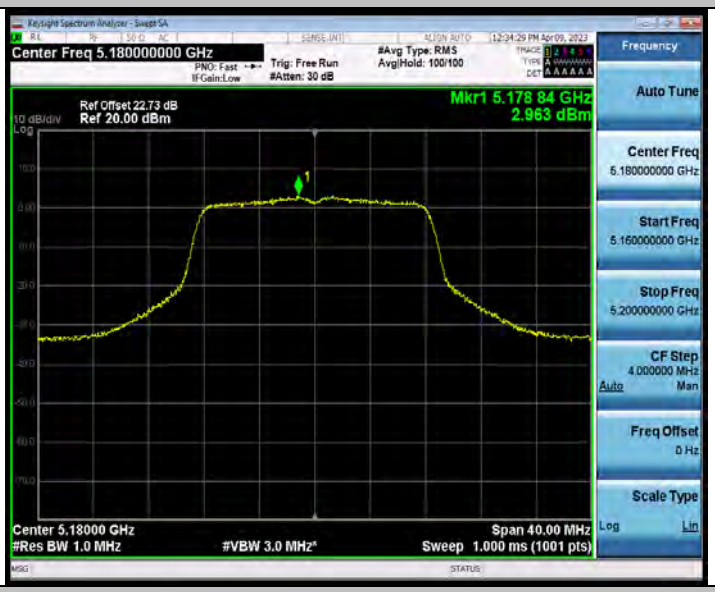
TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	2.96	≤11.00	PASS
		5200	3.39	≤11.00	PASS
		5240	3.1	≤11.00	PASS
		5260	2.9	≤11.00	PASS
		5300	2.54	≤11.00	PASS
		5320	2.47	≤11.00	PASS
		5500	2.51	≤11.00	PASS
		5580	2.92	≤11.00	PASS
		5700	2.93	≤11.00	PASS
		5720_UNII-2C	2.83	≤11.00	PASS
		5720_UNII-3	-1.75	≤30.00	PASS
		5745	0.2	≤30.00	PASS
		5785	-0.54	≤30.00	PASS
		5825	-0.84	≤30.00	PASS
11N20SISO	Ant1	5180	1.52	≤11.00	PASS
		5200	1.25	≤11.00	PASS
		5240	1.61	≤11.00	PASS
		5260	1.08	≤11.00	PASS
		5300	1.46	≤11.00	PASS
		5320	1.34	≤11.00	PASS
		5500	1.2	≤11.00	PASS
		5580	2.05	≤11.00	PASS
		5700	2.3	≤11.00	PASS
		5720_UNII-2C	1.74	≤11.00	PASS
		5720_UNII-3	-2.71	≤30.00	PASS
		5745	-0.54	≤30.00	PASS
		5785	-0.61	≤30.00	PASS
		5825	-0.92	≤30.00	PASS
11N40SISO	Ant1	5190	-1.21	≤11.00	PASS
		5230	-0.71	≤11.00	PASS

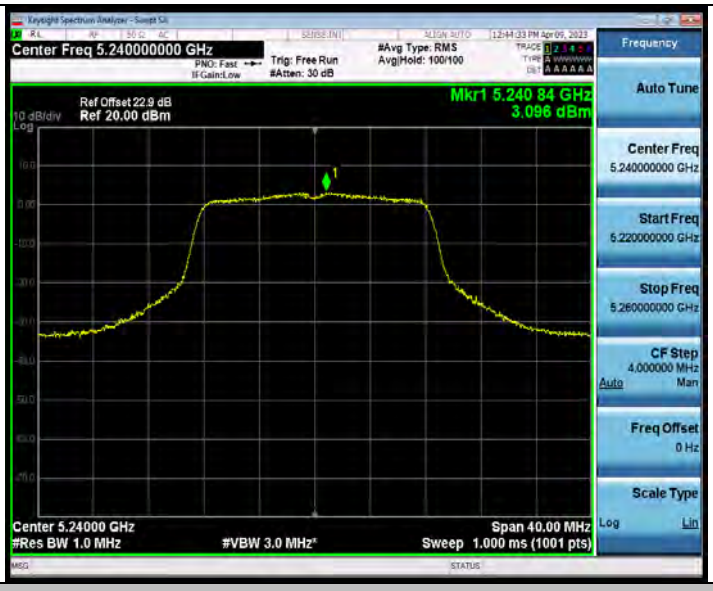
11N40SISO	Ant1	5270	-1.27	≤11.00	PASS
		5310	-1.2	≤11.00	PASS
		5510	-1.46	≤11.00	PASS
		5550	-1.16	≤11.00	PASS
		5670	-0.85	≤11.00	PASS
		5710_UNII-2C	-1.19	≤11.00	PASS
		5710_UNII-3	-6.2	≤30.00	PASS
		5755	-3.9	≤30.00	PASS
		5795	-4.13	≤30.00	PASS
11AC20SISO	Ant1	5180	-0.08	≤11.00	PASS
		5200	-0.25	≤11.00	PASS
		5240	0.27	≤11.00	PASS
		5260	-0.2	≤11.00	PASS
		5300	0.11	≤11.00	PASS
		5320	0.08	≤11.00	PASS
		5500	0.01	≤11.00	PASS
		5580	-0.02	≤11.00	PASS
		5700	0.28	≤11.00	PASS
		5720_UNII-2C	-0.06	≤11.00	PASS
		5720_UNII-3	-4.2	≤30.00	PASS
		5745	-2.79	≤30.00	PASS
		5785	-2.95	≤30.00	PASS
		5825	-3.19	≤30.00	PASS
11AC40SISO	Ant1	5190	-6.78	≤11.00	PASS
		5230	-7.37	≤11.00	PASS
		5270	-7.51	≤11.00	PASS
		5310	-3.89	≤11.00	PASS
		5510	-4.08	≤11.00	PASS
		5550	-3.46	≤11.00	PASS
		5670	-3.33	≤11.00	PASS
		5710_UNII-2C	-3.75	≤11.00	PASS
		5710_UNII-3	-9.06	≤30.00	PASS
		5755	-6.57	≤30.00	PASS
		5795	-6.83	≤30.00	PASS

11AC80SISO	Ant1	5210	-6.36	≤11.00	PASS
		5290	-6.61	≤11.00	PASS
		5530	-6.36	≤11.00	PASS
		5610	-6.15	≤11.00	PASS
		5690_UNII-2C	-6.03	≤11.00	PASS
		5690_UNII-3	-11.47	≤30.00	PASS
		5775	-8.88	≤30.00	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.

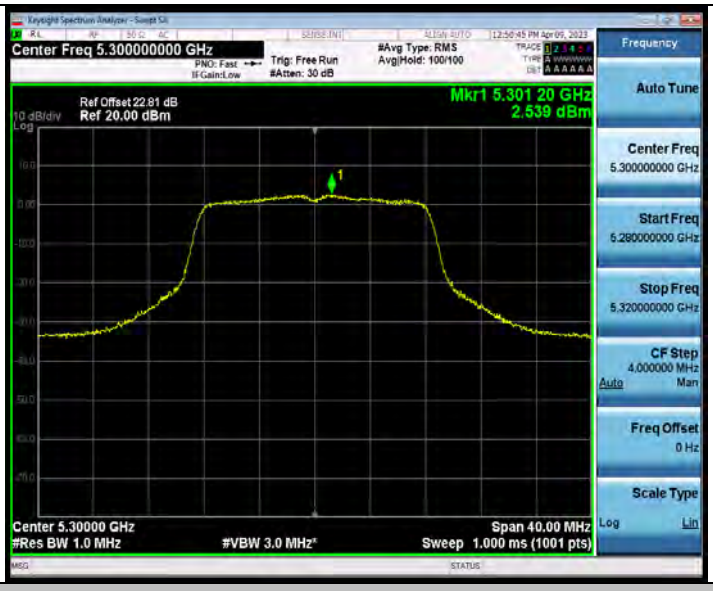
TEST GRAPHS

11A_Ant1_5180

11A_Ant1_5200
11A_Ant1_5240



11A_Ant1_5260

11A_Ant1_5300



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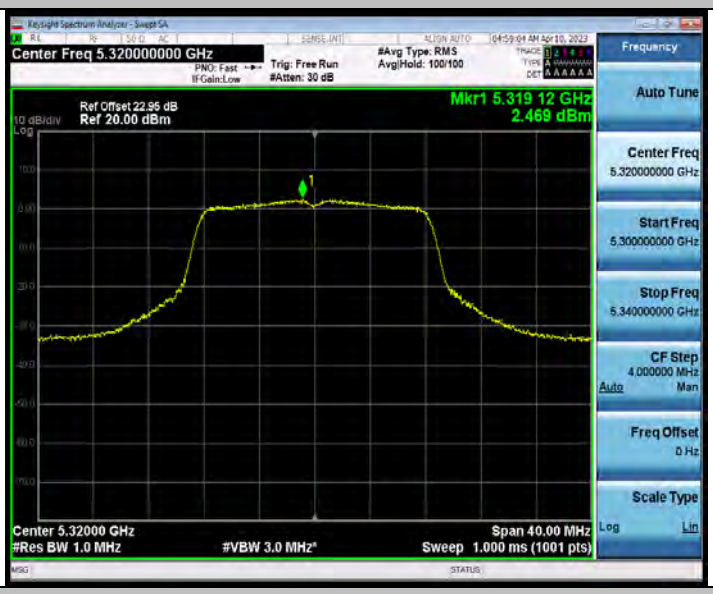

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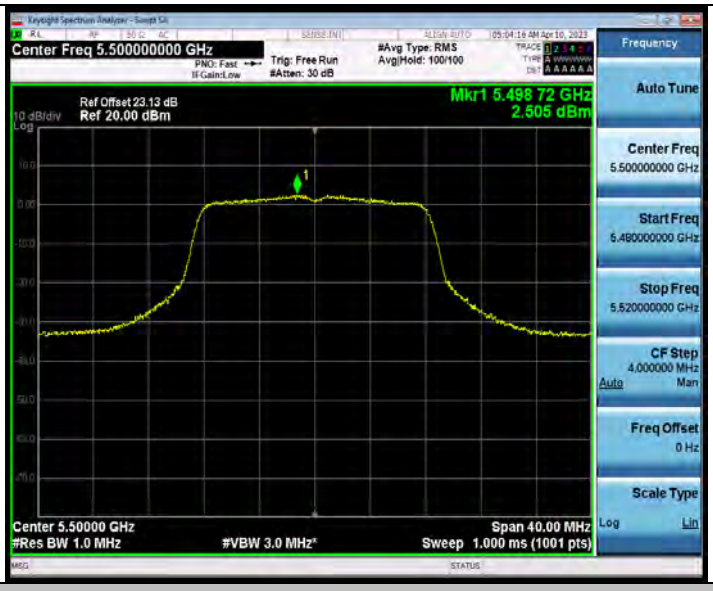

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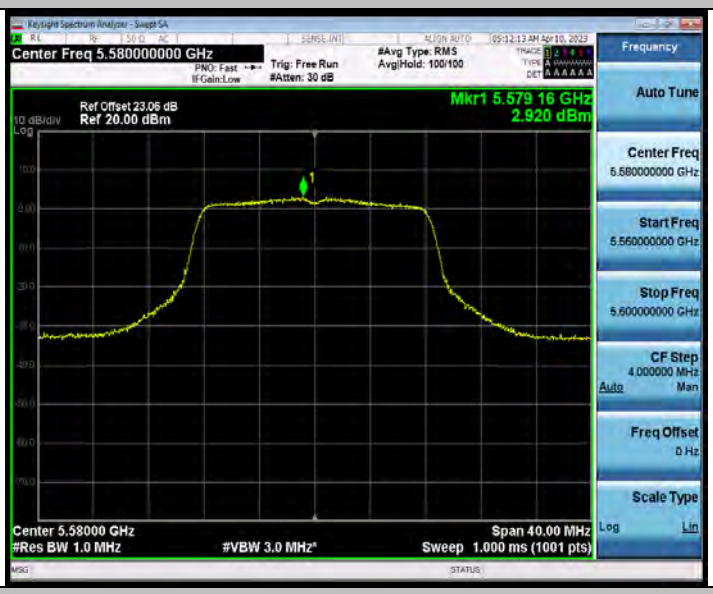

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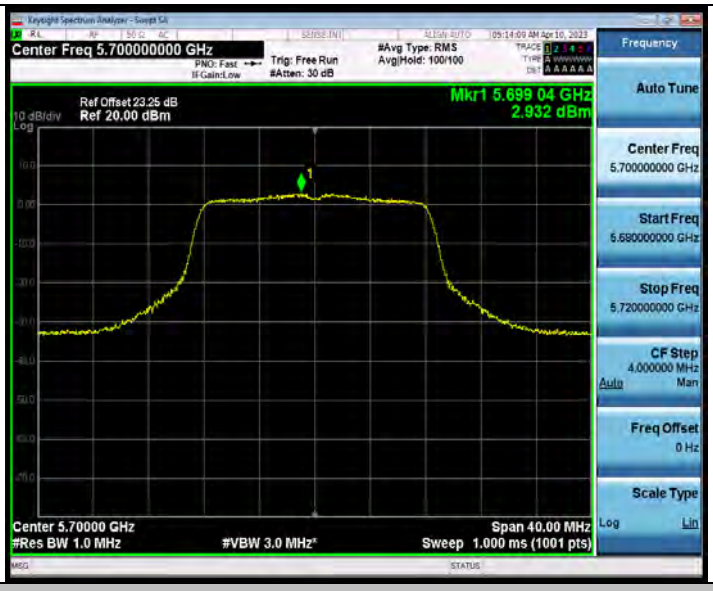
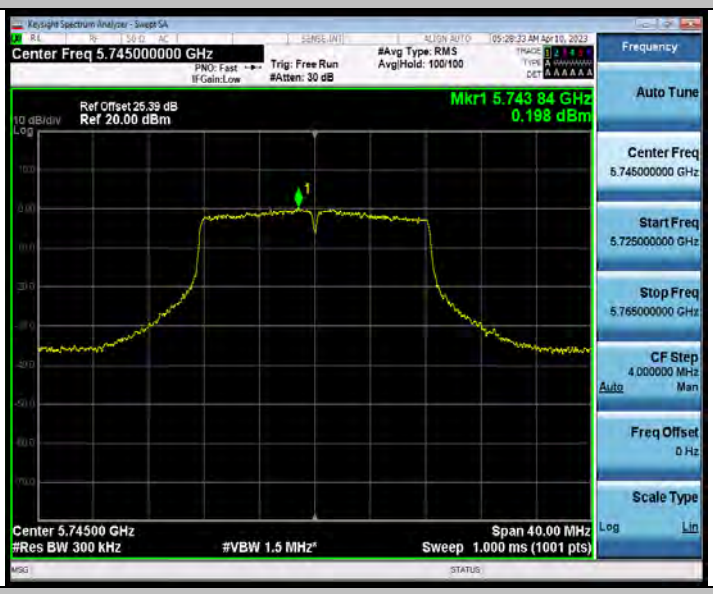


11A_Ant1_5720_UNII-2C

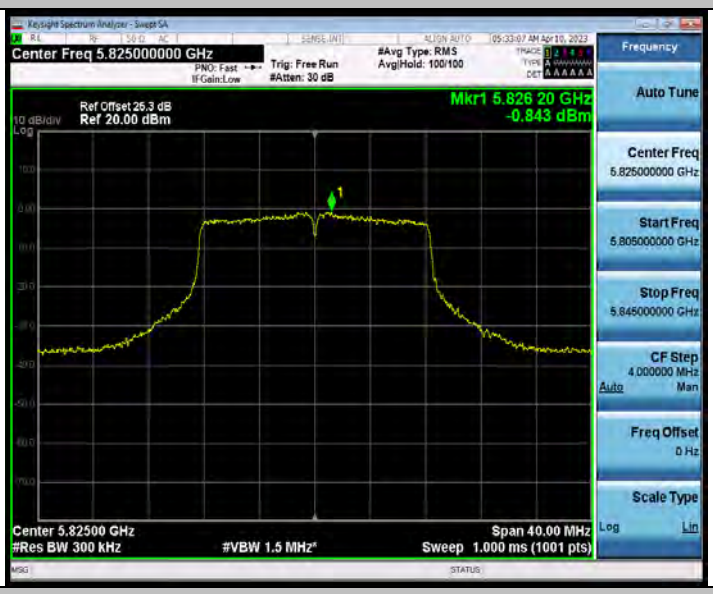
11A_Ant1_5720_UNII-3

11A_Ant1_5745

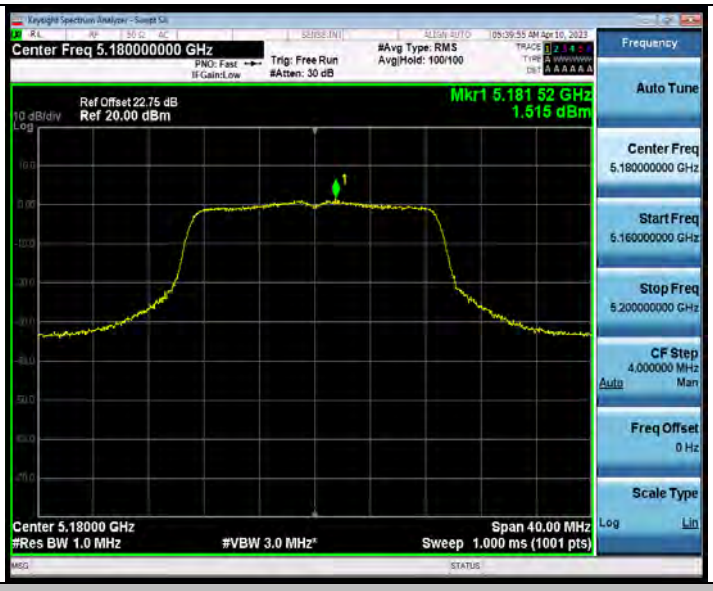


11A_Ant1_5785

11A_Ant1_5825



11N20SISO_Ant1_5180



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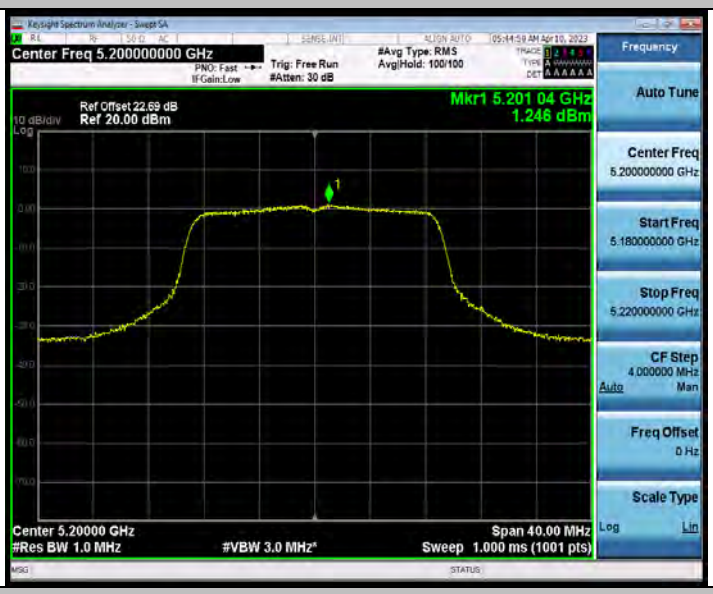
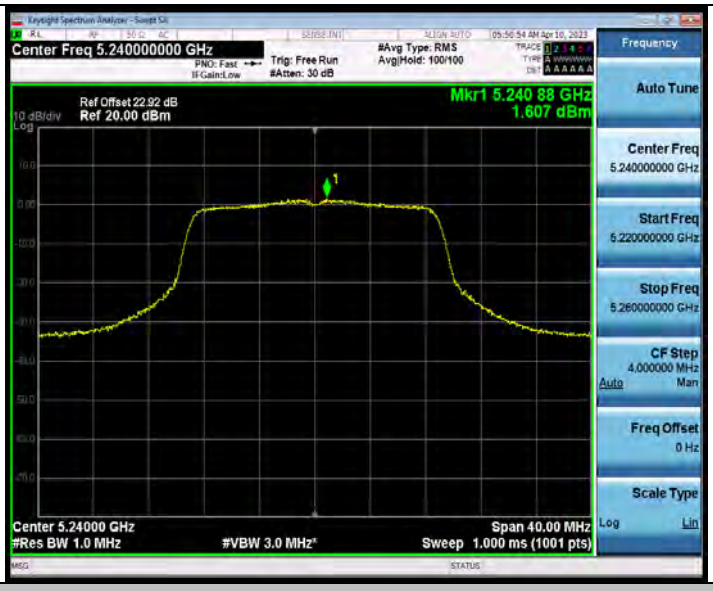


11N20SISO_Ant1_5240



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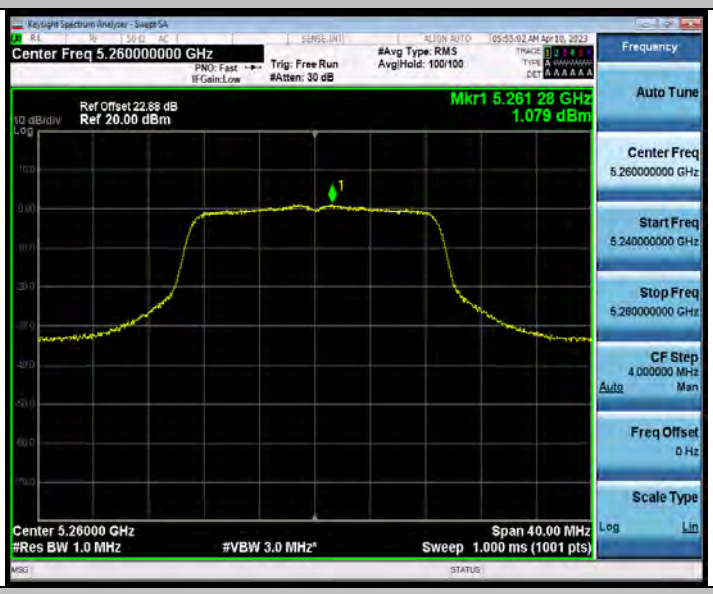
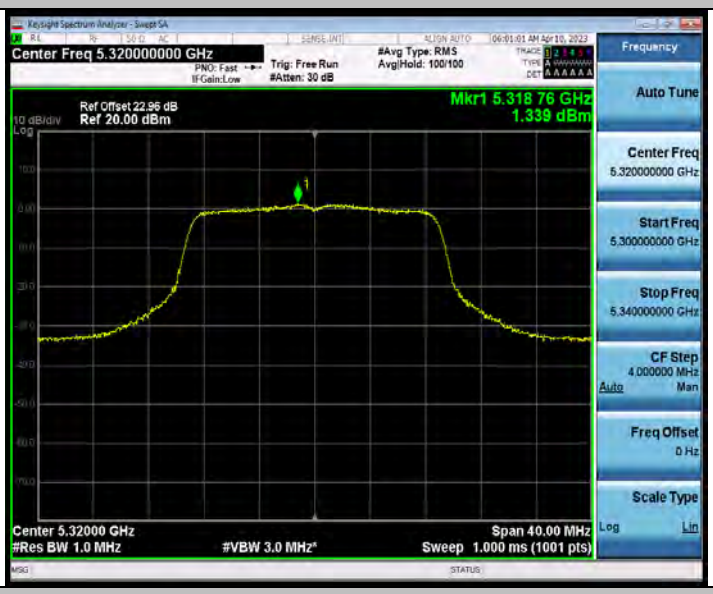


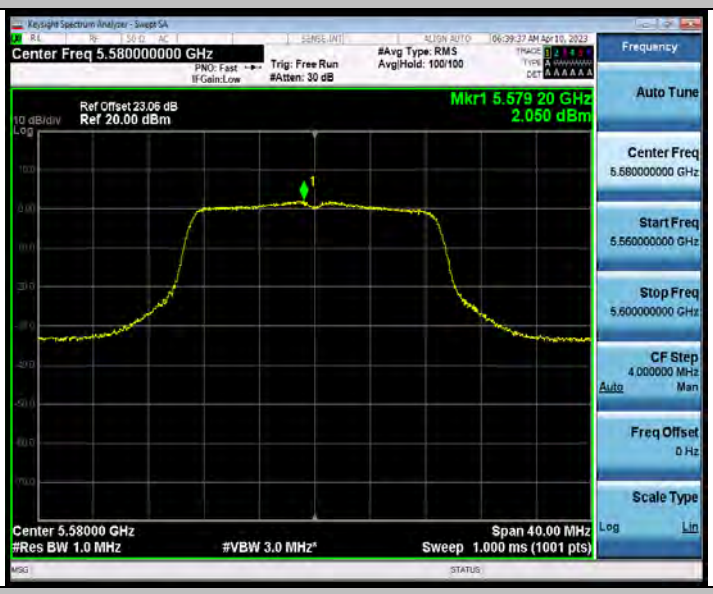
11N20SISO_Ant1_5300

11N20SISO_Ant1_5320



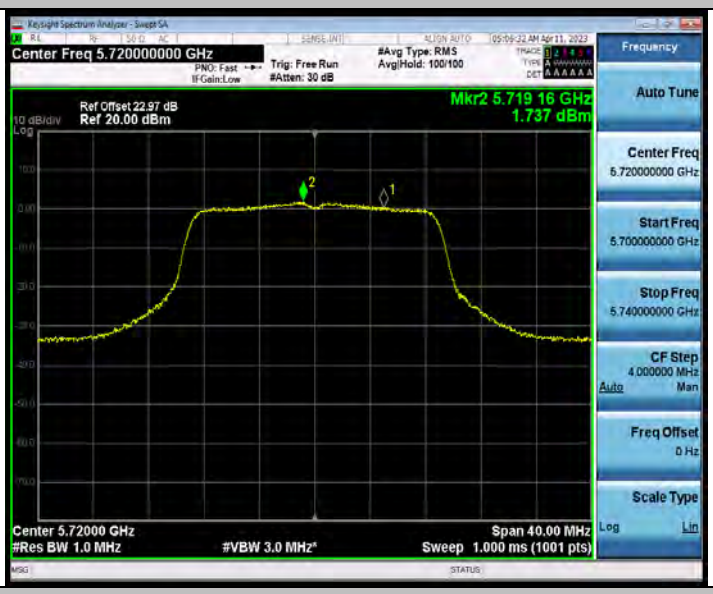
11N20SISO_Ant1_5500

11N20SISO_Ant1_5580



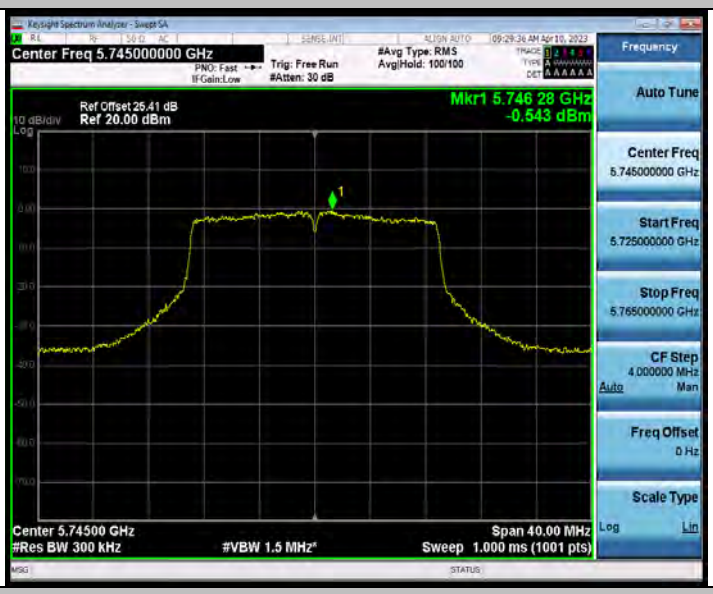
11N20SISO_Ant1_5700

11N20SISO_Ant1_5720_UNII-2C



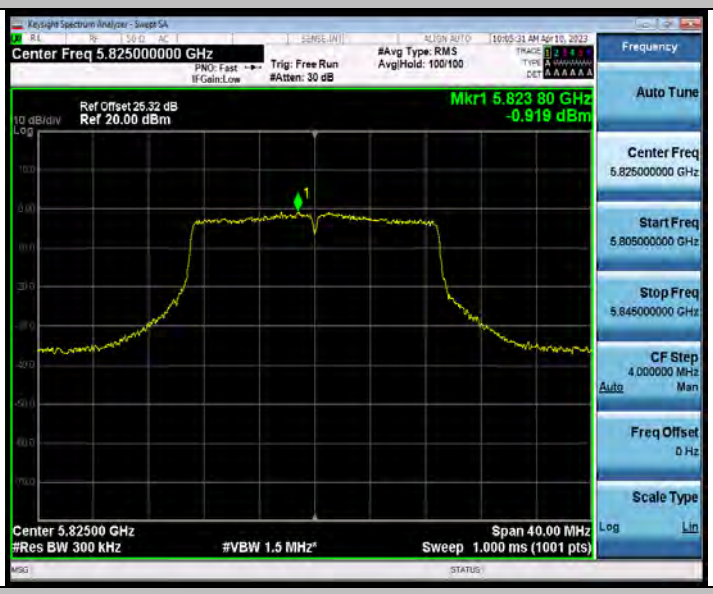
11N20SISO_Ant1_5720_UNII-3

11N20SISO_Ant1_5745



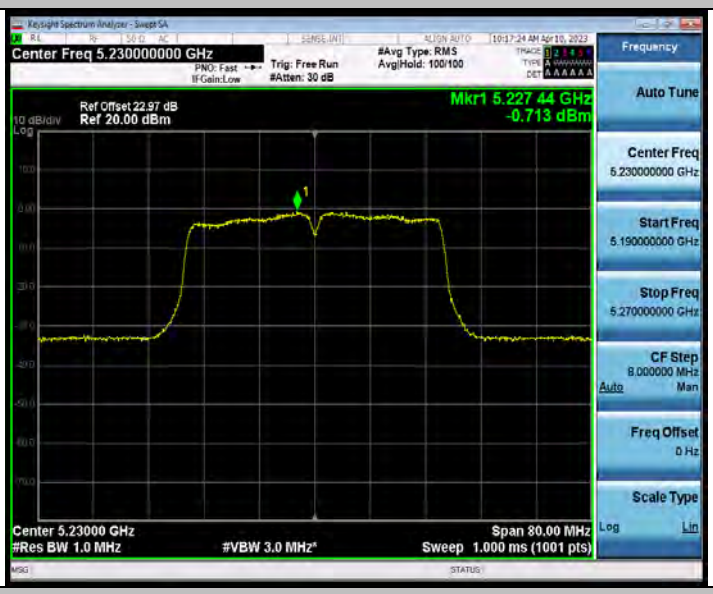
11N20SISO_Ant1_5785

11N20SISO_Ant1_5825



11N40SISO_Ant1_5190

11N40SISO_Ant1_5230



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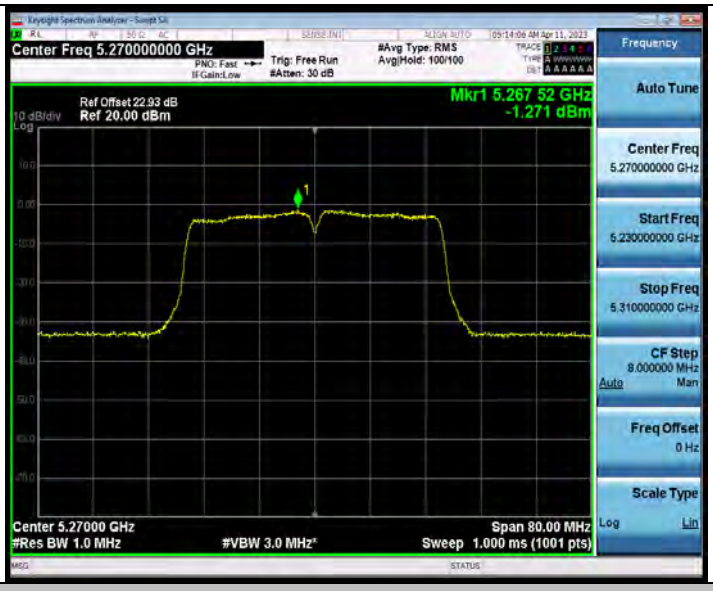
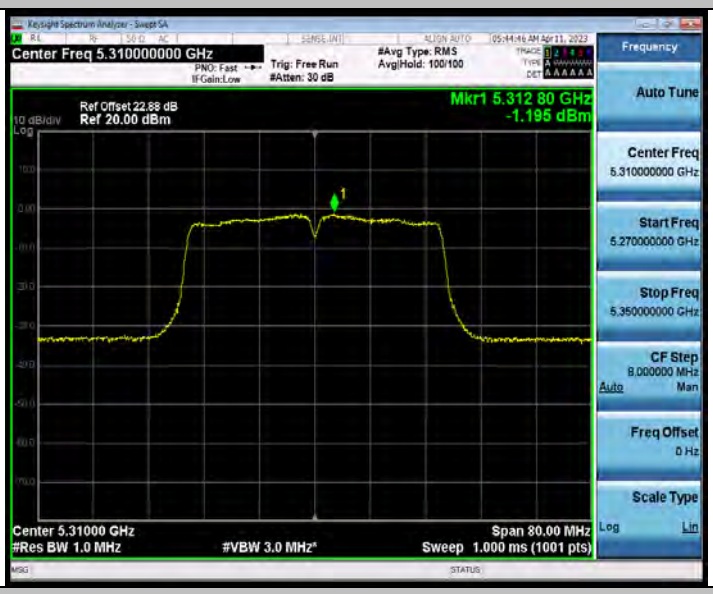
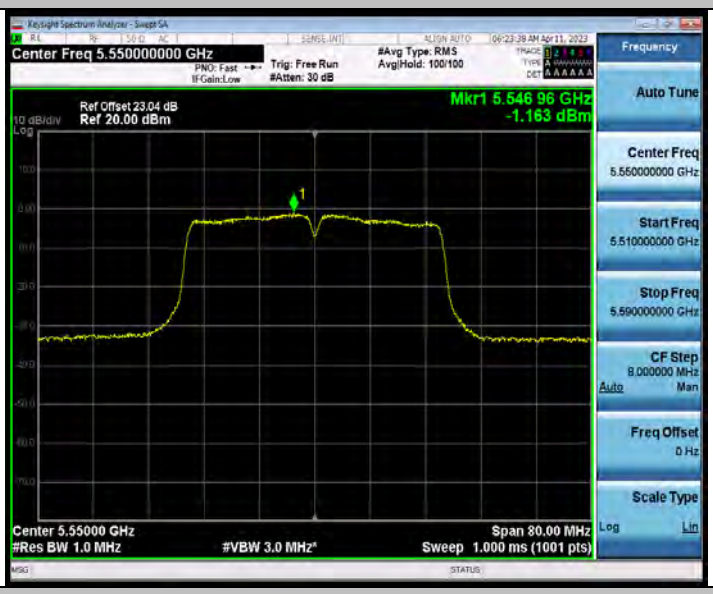


11N40SISO_Ant1_5310



11N40SISO_Ant1_5510

11N40SISO_Ant1_5550



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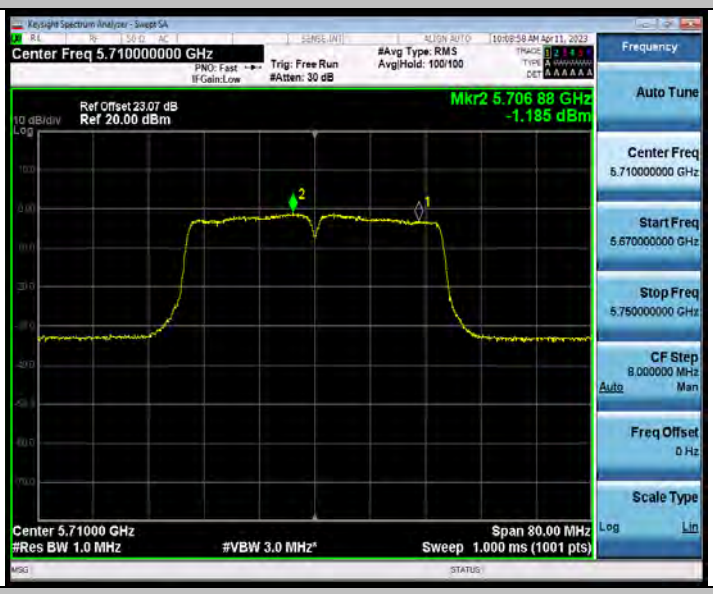
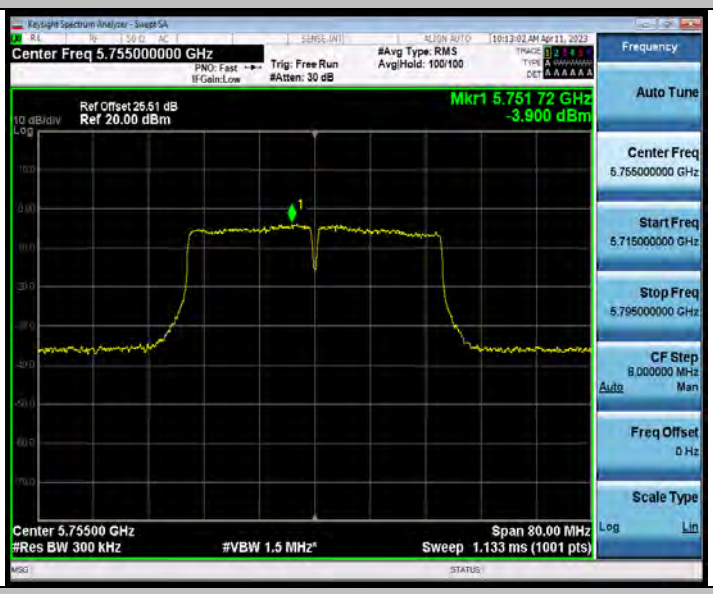
11N40SISO_Ant1_5710_UNII-2C



11N40SISO_Ant1_5710_UNII-3

11N40SISO_Ant1_5755



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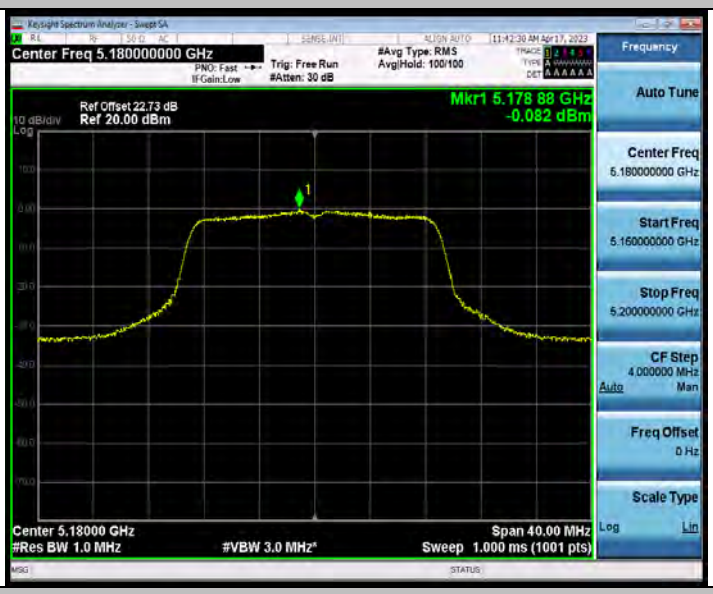
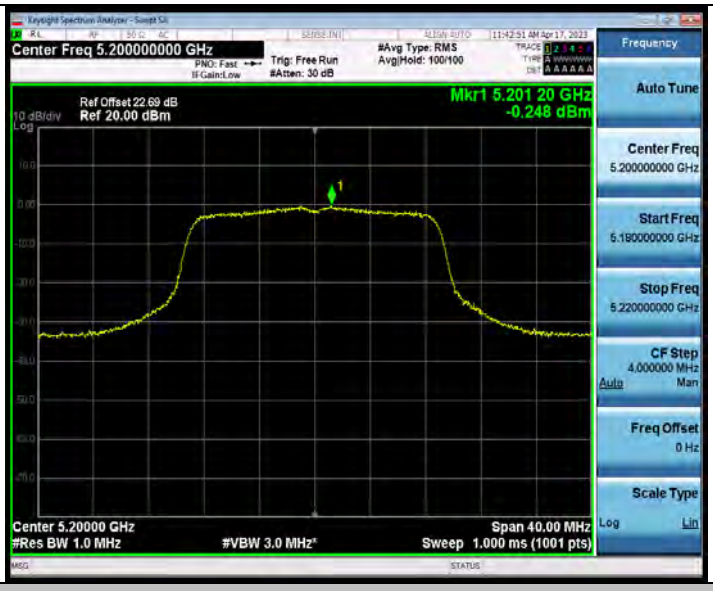
11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



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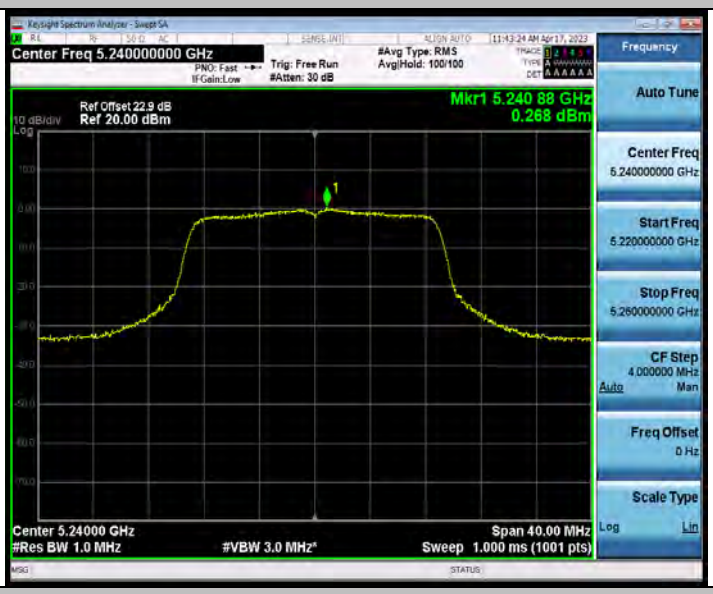
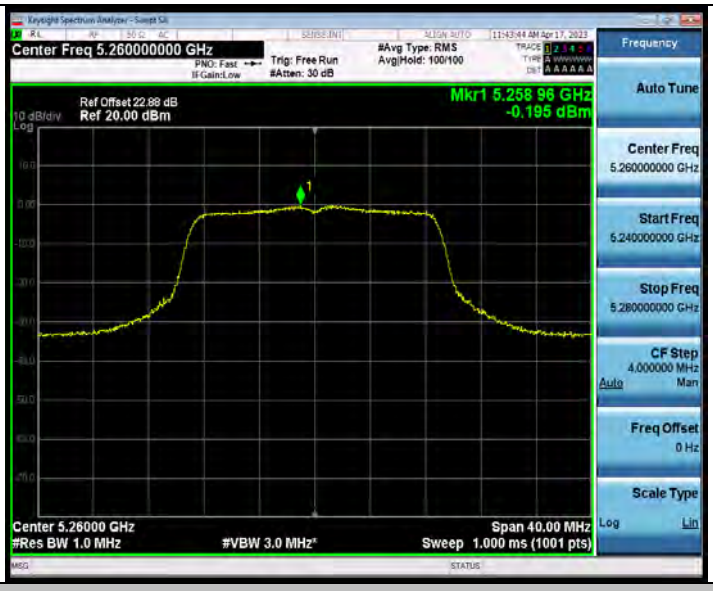
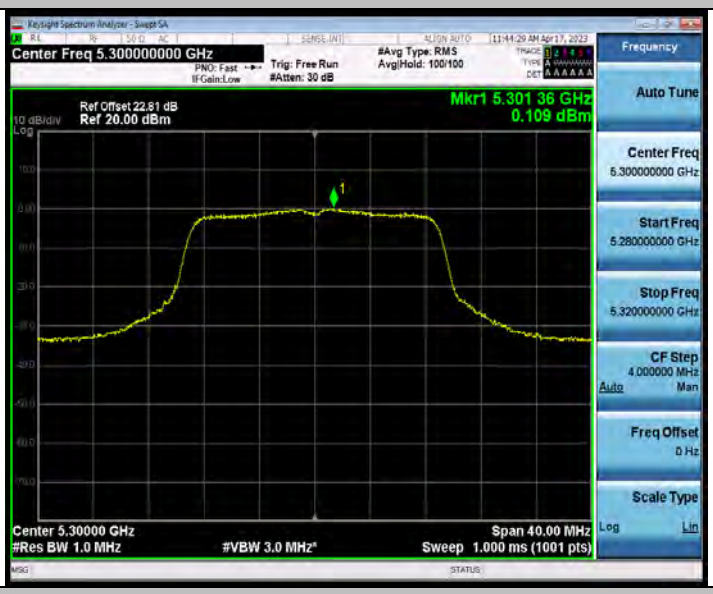


11AC20SISO_Ant1_5260



11AC20SISO_Ant1_5300



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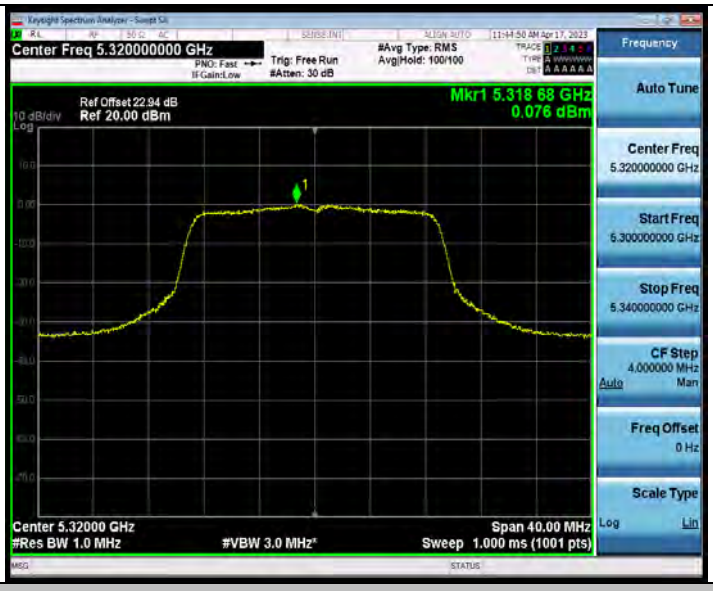

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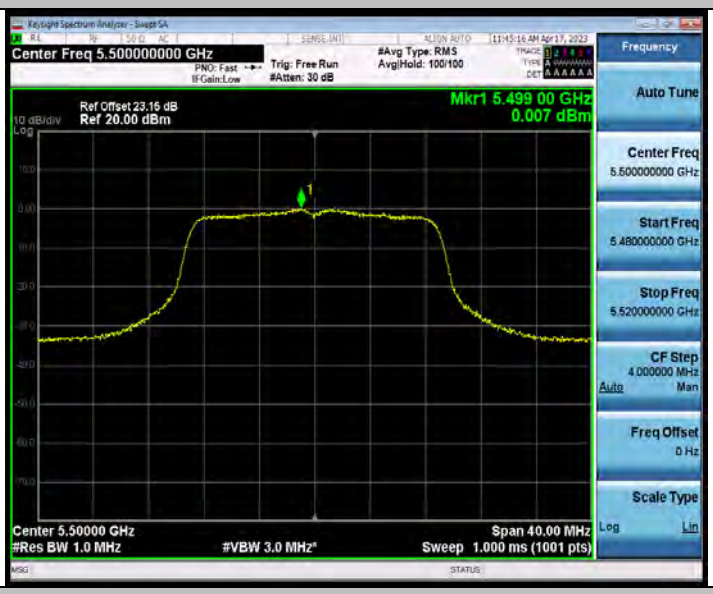
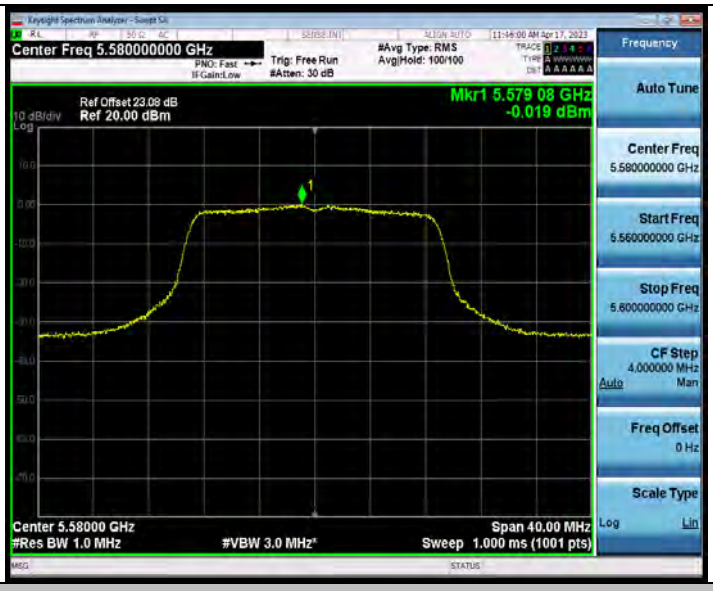
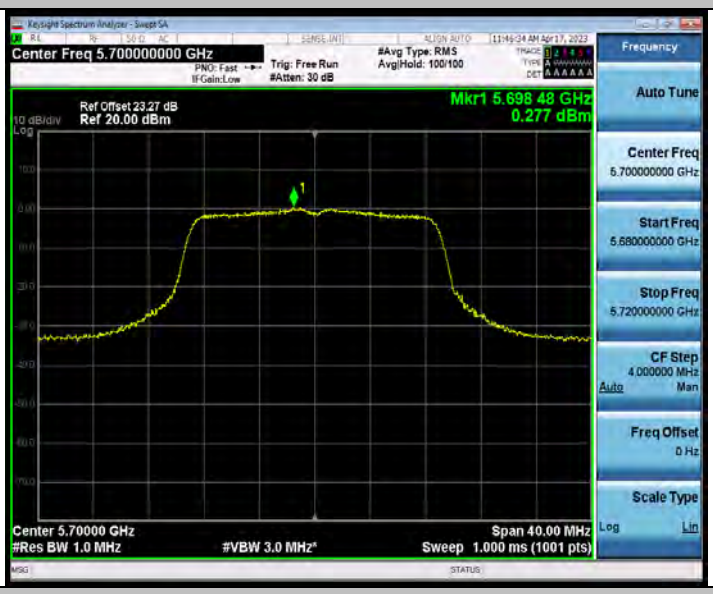


11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



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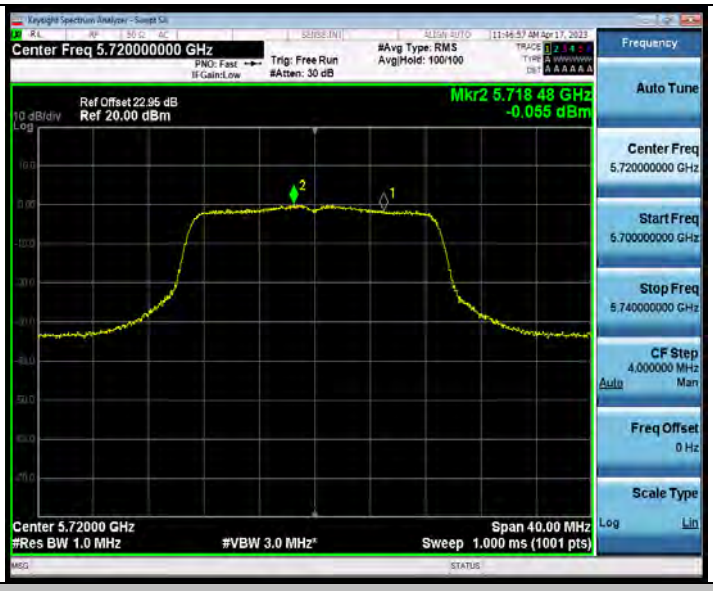

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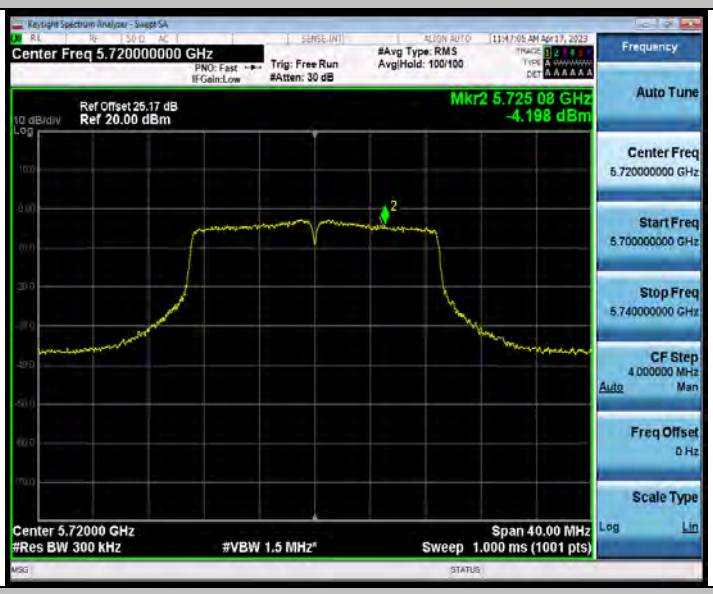
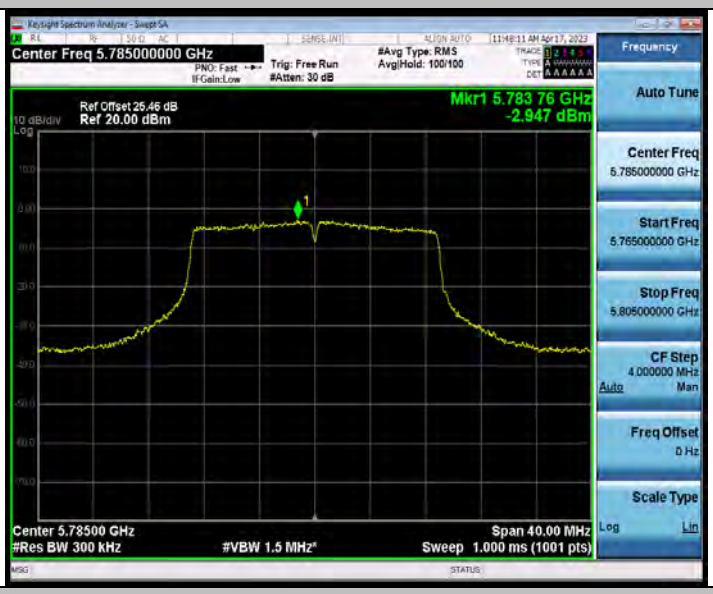


11AC20SISO_Ant1_5745

11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825

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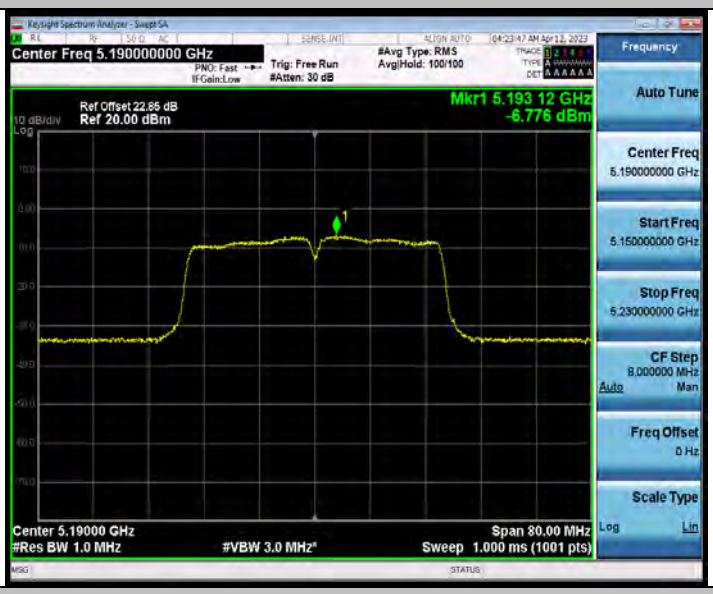

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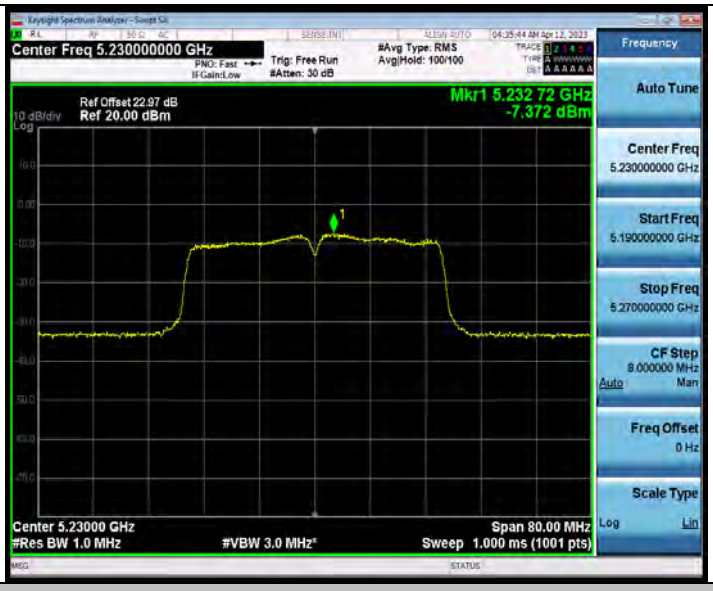

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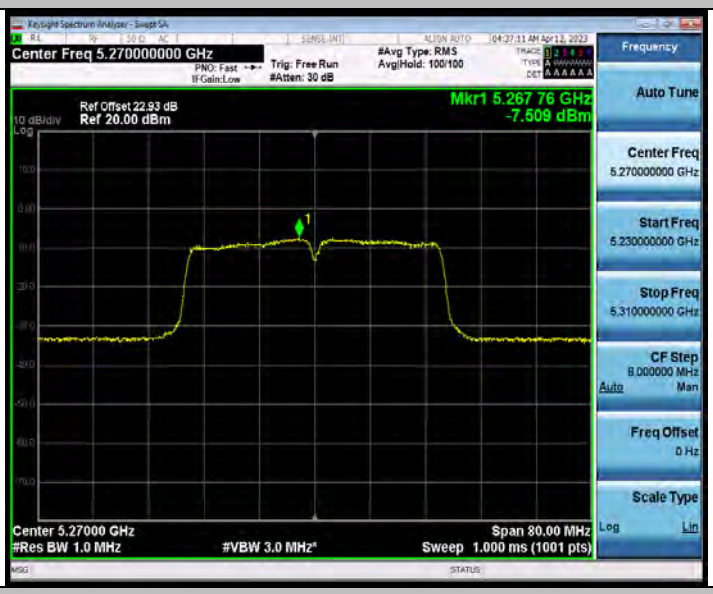

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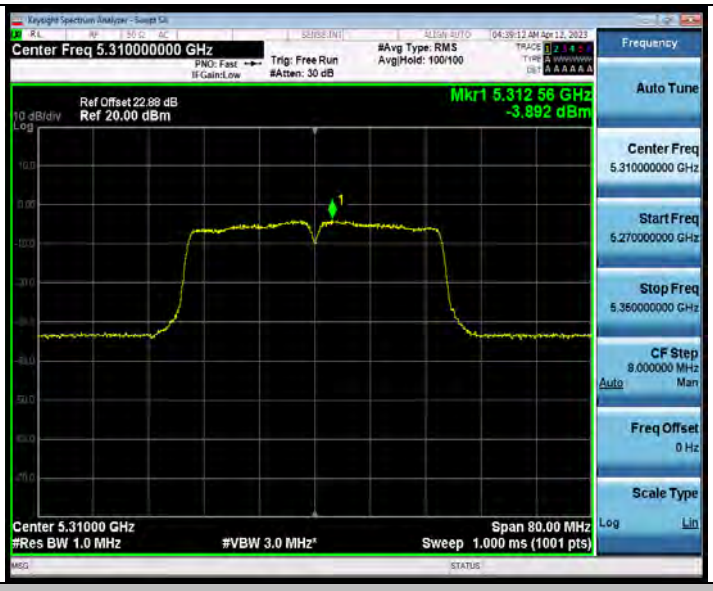

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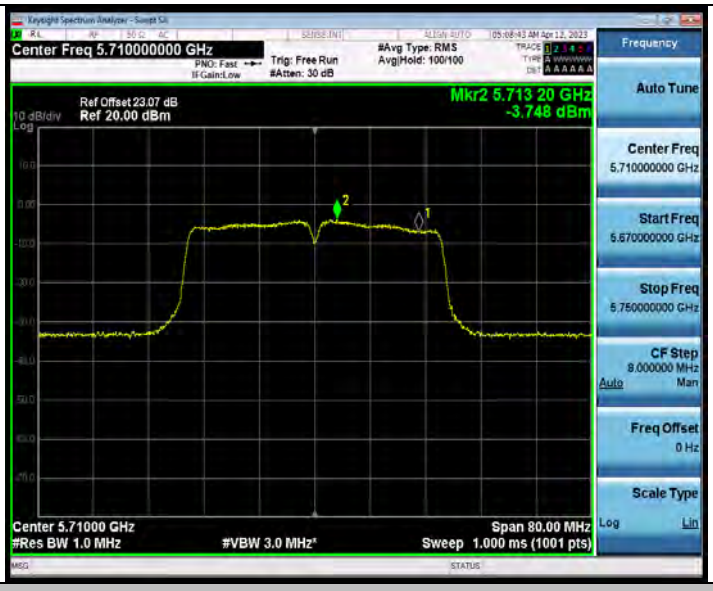
11AC40SISO_Ant1_5550

11AC40SISO_Ant1_5670

11AC40SISO_Ant1_5710_UNII-2C



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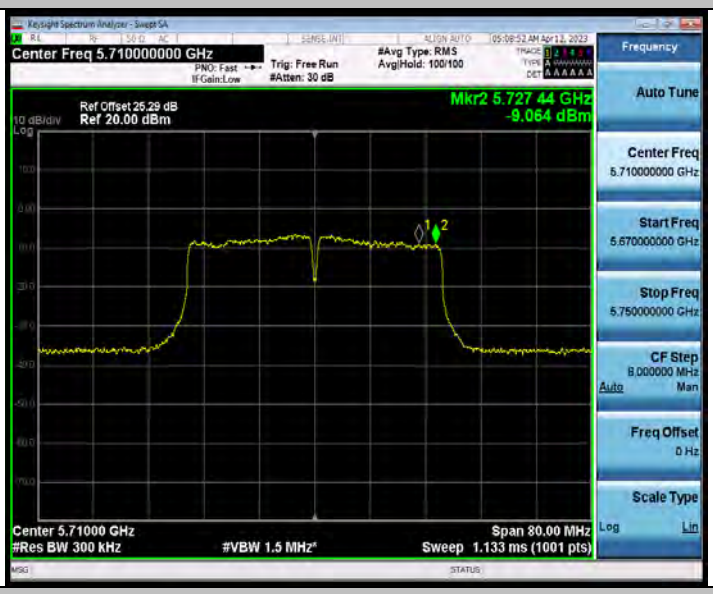

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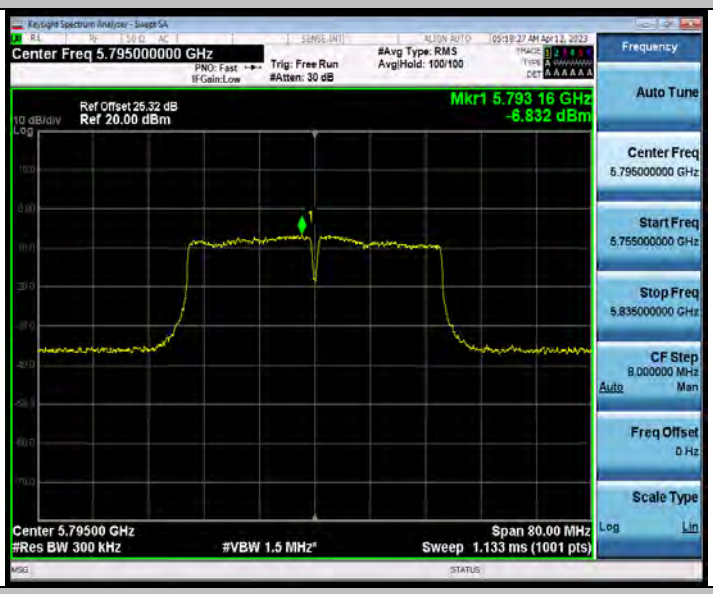
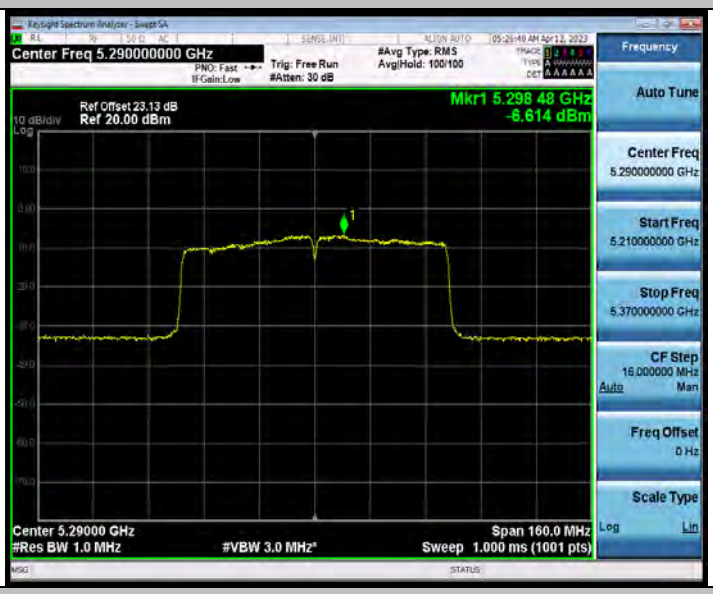
11AC40SISO_Ant1_5795



11AC80SISO_Ant1_5210

11AC80SISO_Ant1_5290



11AC80SISO_Ant1_5530

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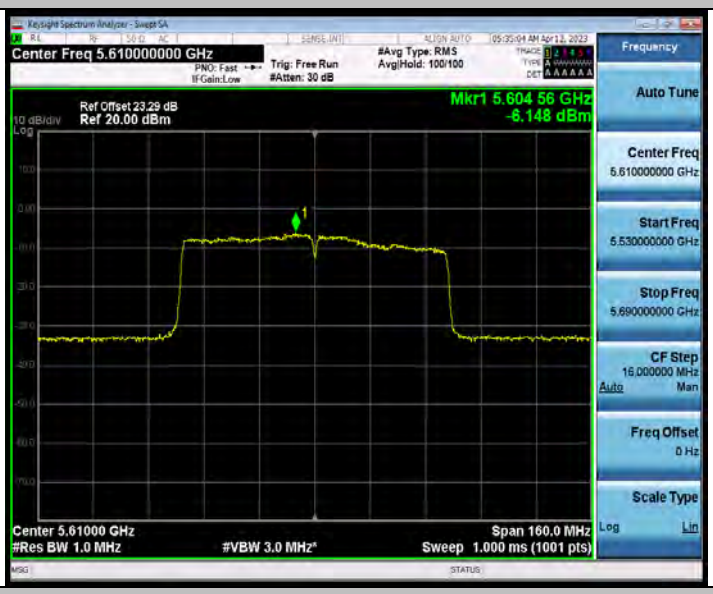
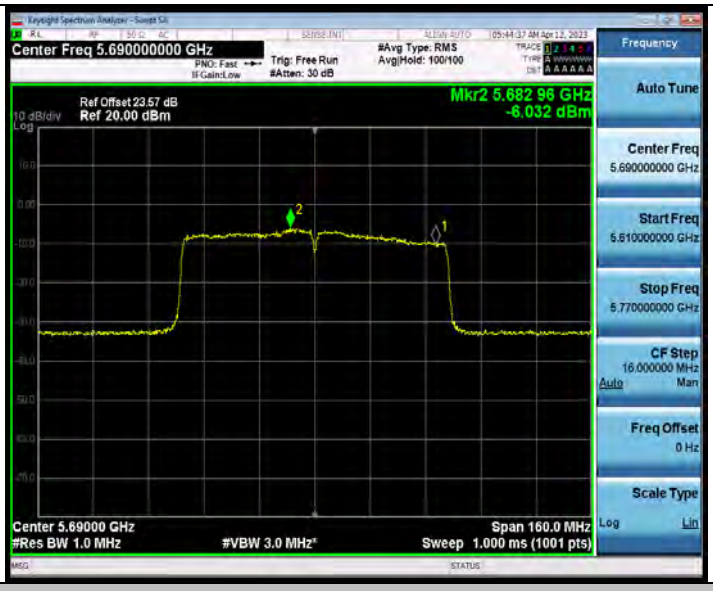


11AC80SISO_Ant1_5690_UNII-2C



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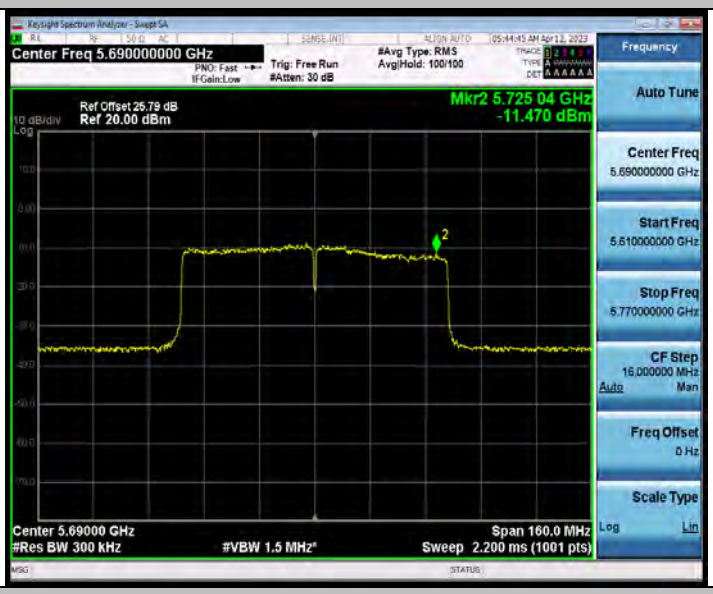

11AC80SISO_Ant1_5775

Center Freq 5.775000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
Ref Offset 25.66 dB
10 dB/div Ref 20.00 dBm
Log
Mkr1 5.770 04 GHz
-8.875 dBm
Center 5.77500 GHz
#Res BW 300 kHz
#VBW 1.5 MHz*
Span 160.0 MHz
Sweep 2.200 ms (1001 pts)
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.695000000 GHz
Stop Freq
5.855000000 GHz
CF Step
16.000000 MHz
Auto
Man
Freq Offset
0 Hz
Scale Type
Log
Lin

---END---