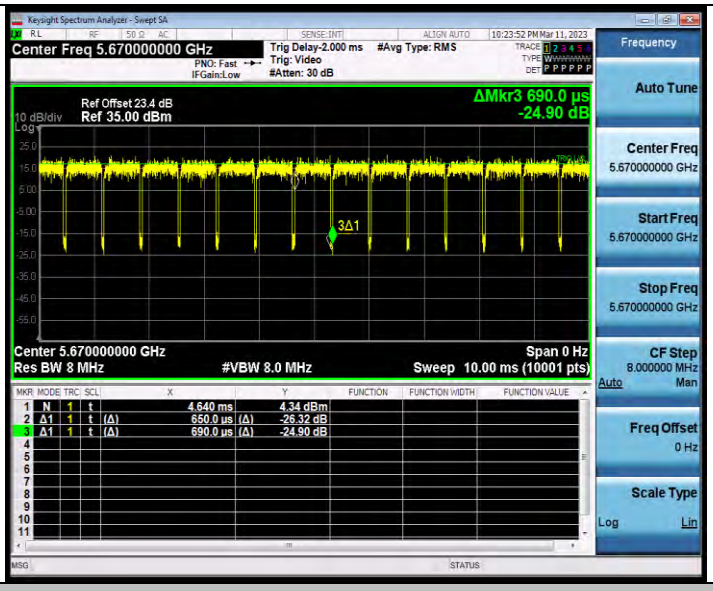
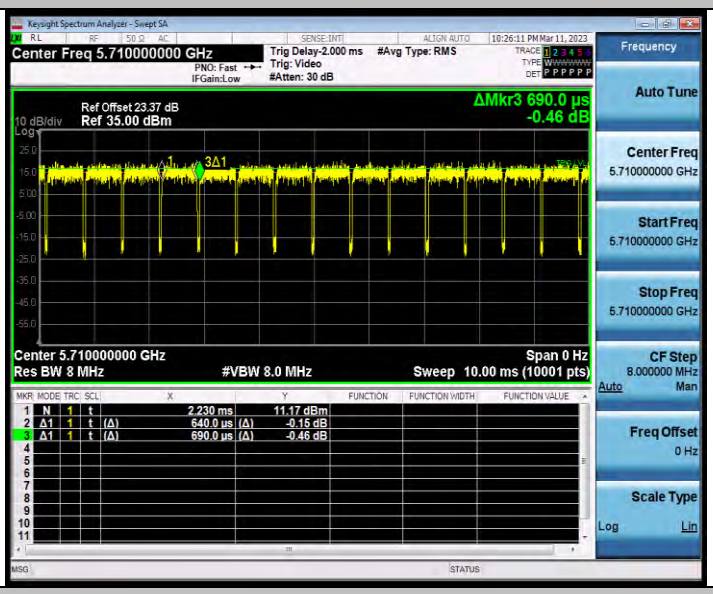
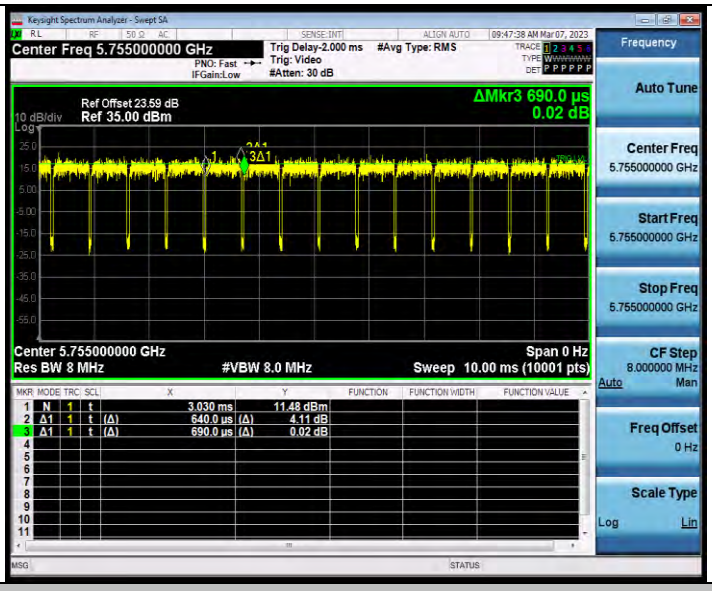


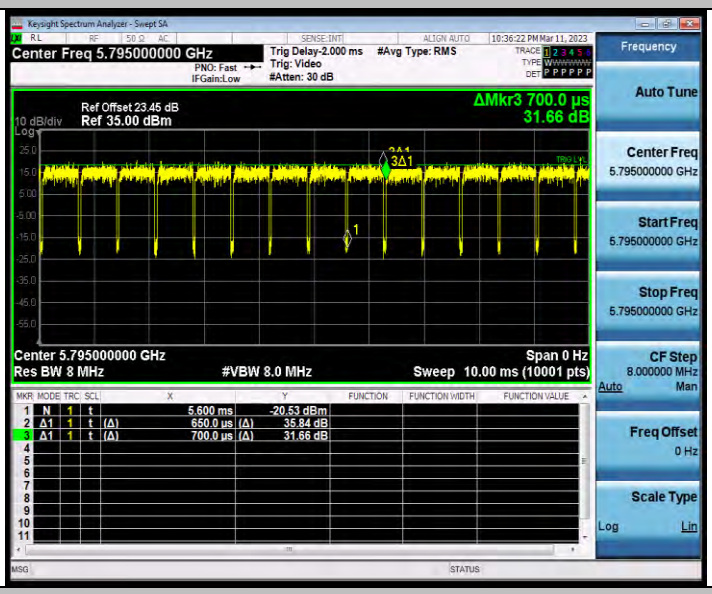
11N40SISO_Ant1_5710



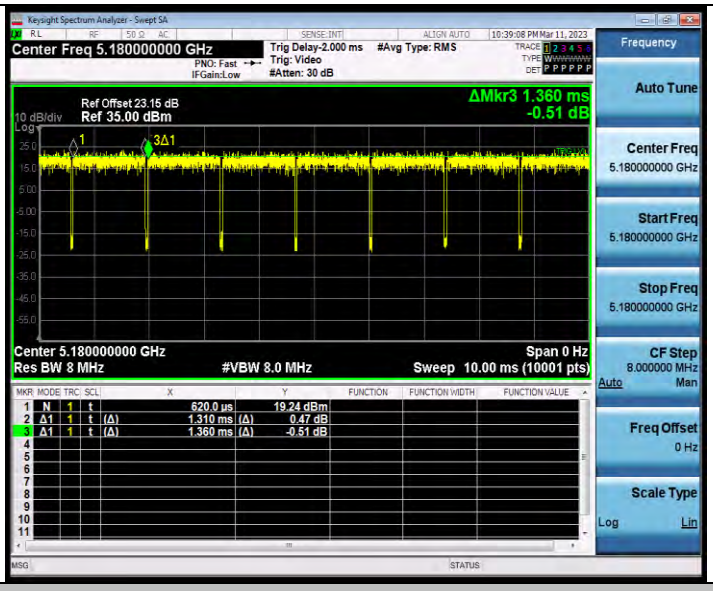
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



11AC20SISO_Ant1_5180



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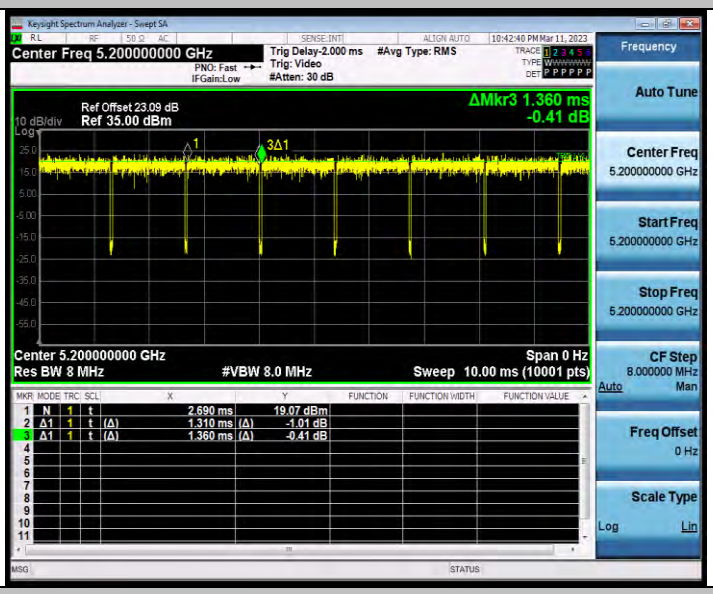

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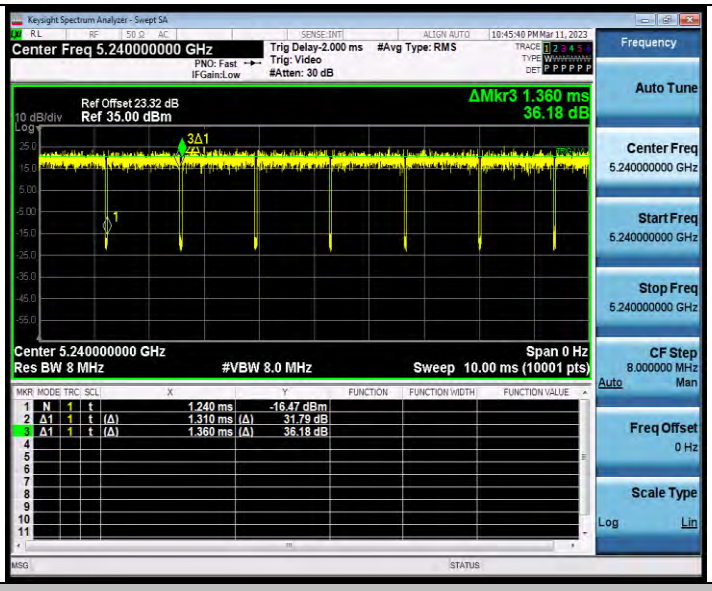

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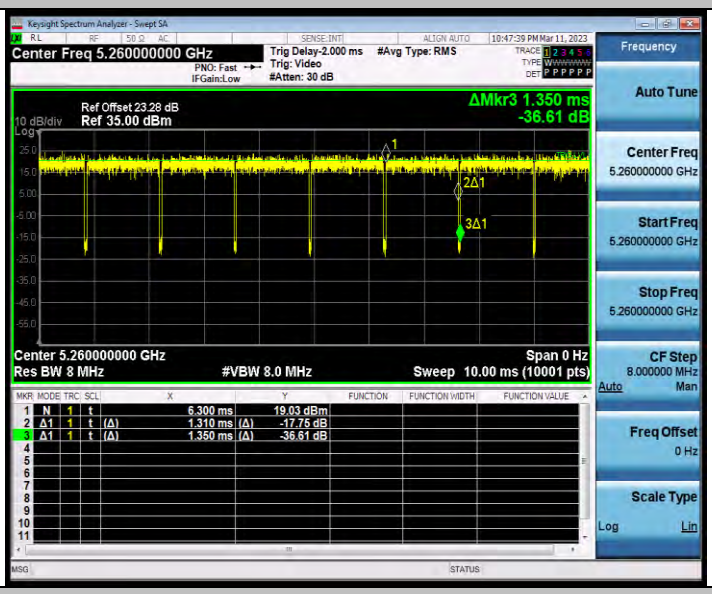

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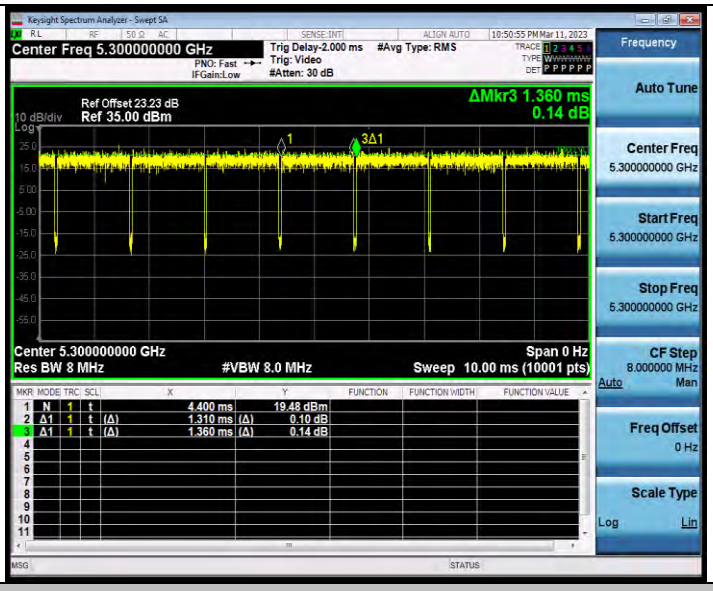

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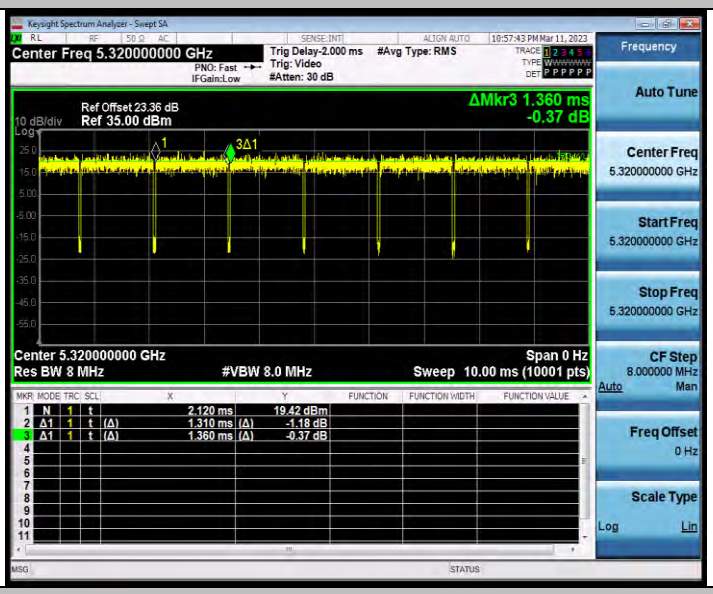

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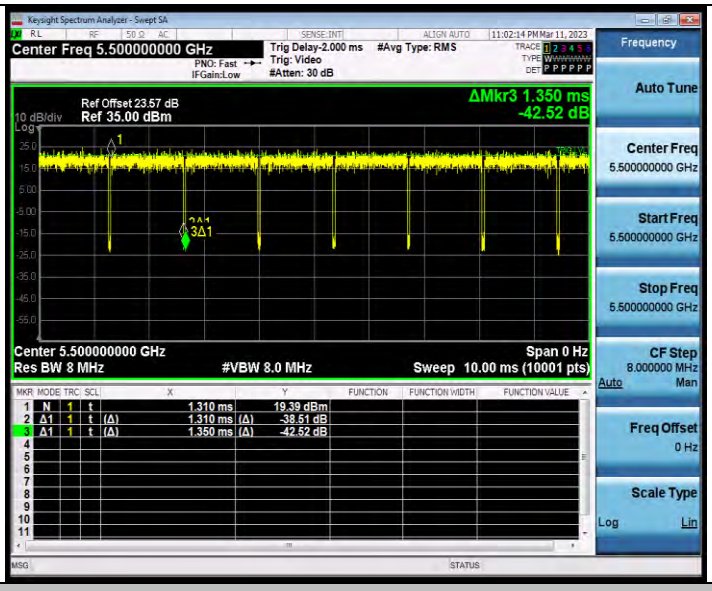

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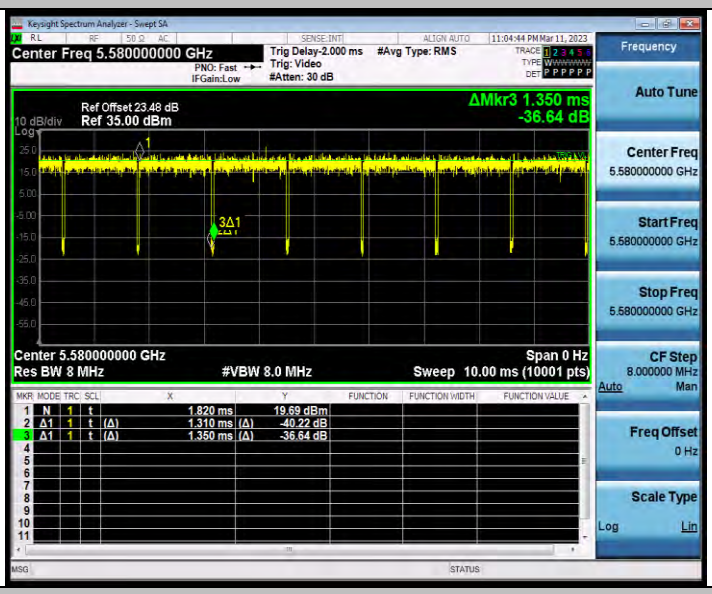

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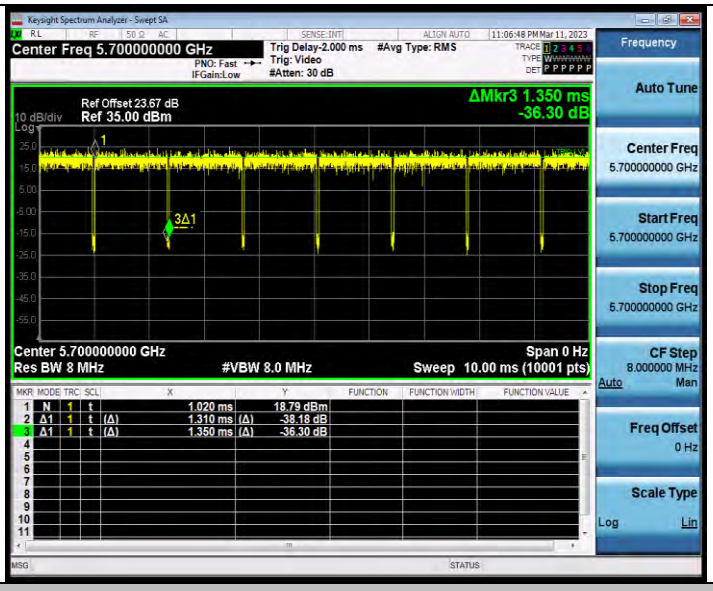

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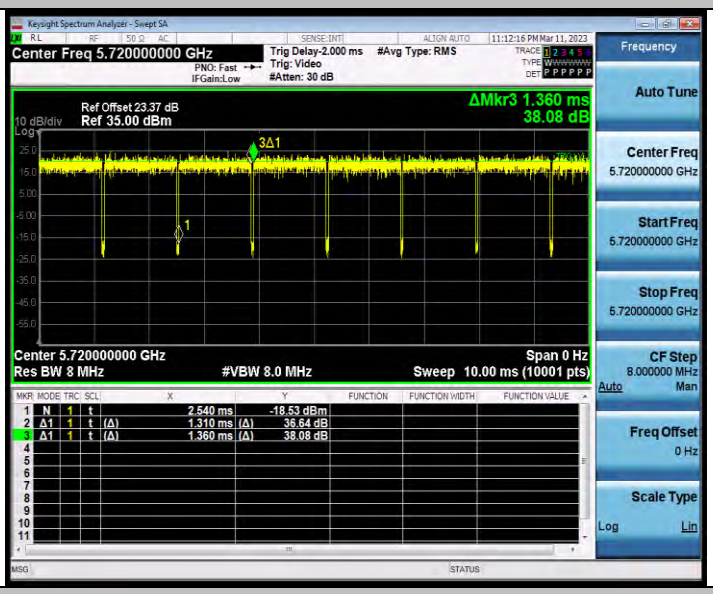

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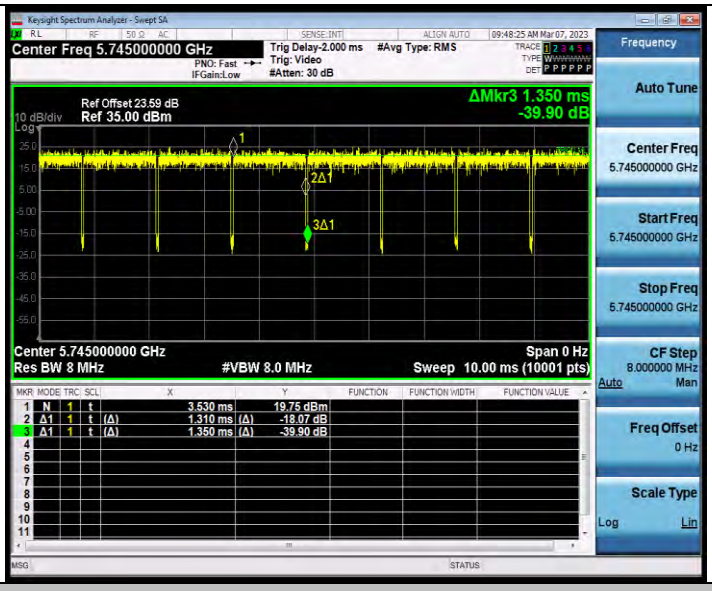
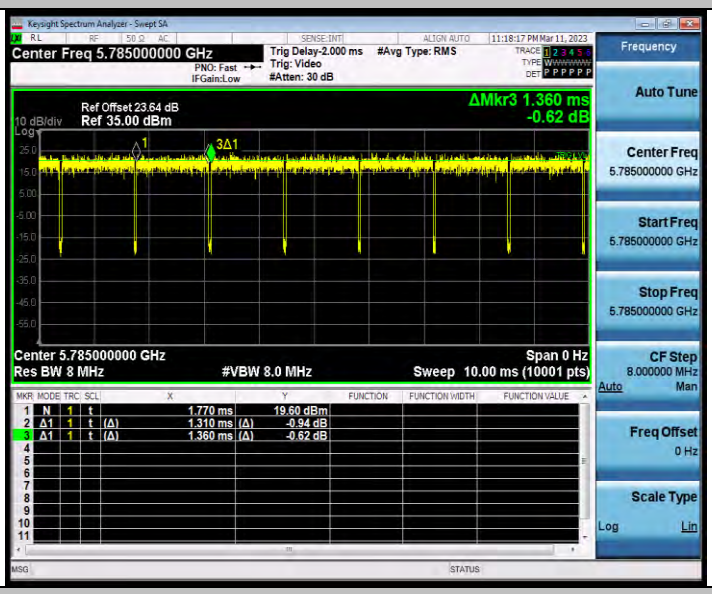


11AC20SISO_Ant1_5785



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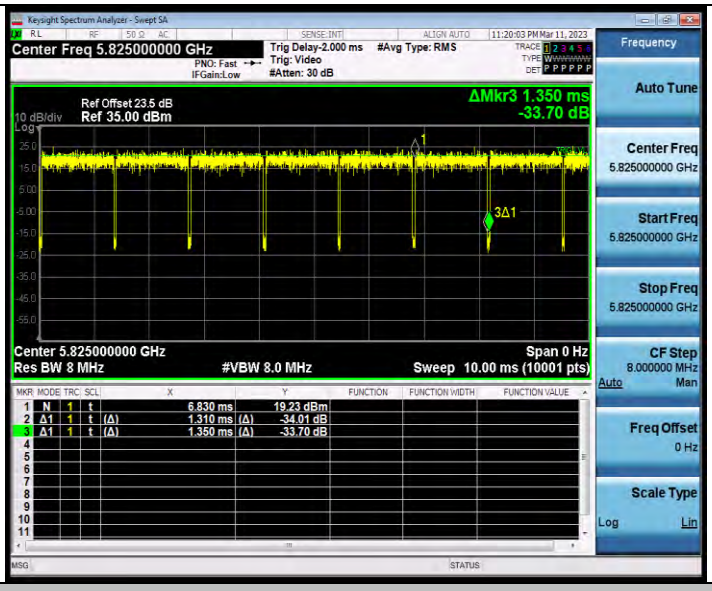

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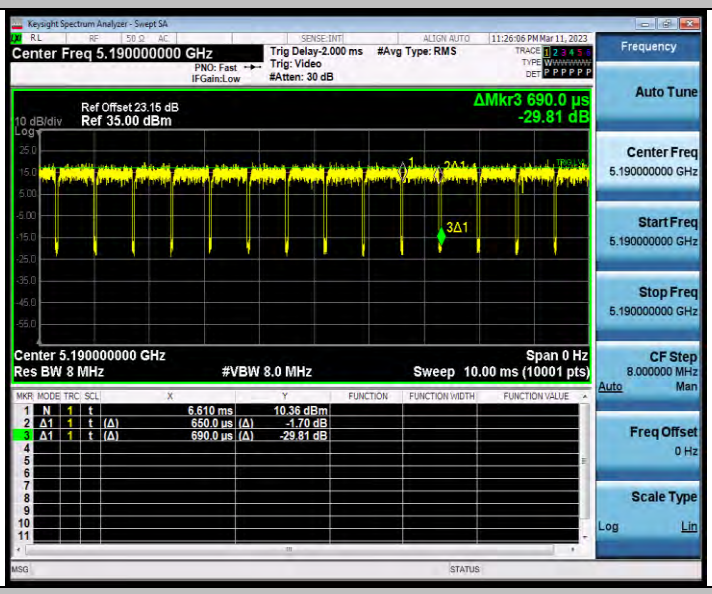

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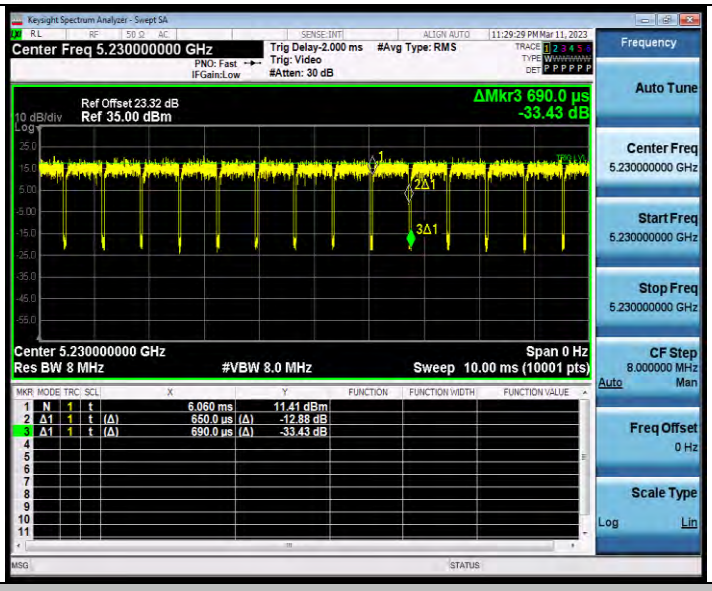

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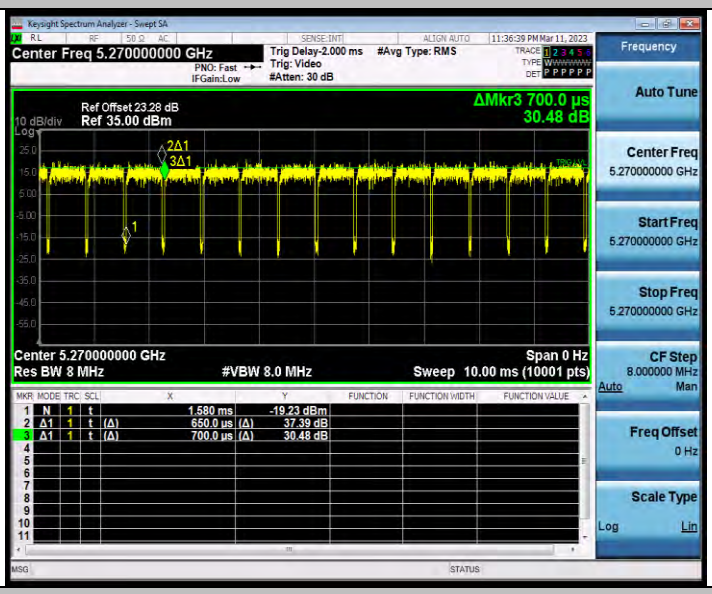

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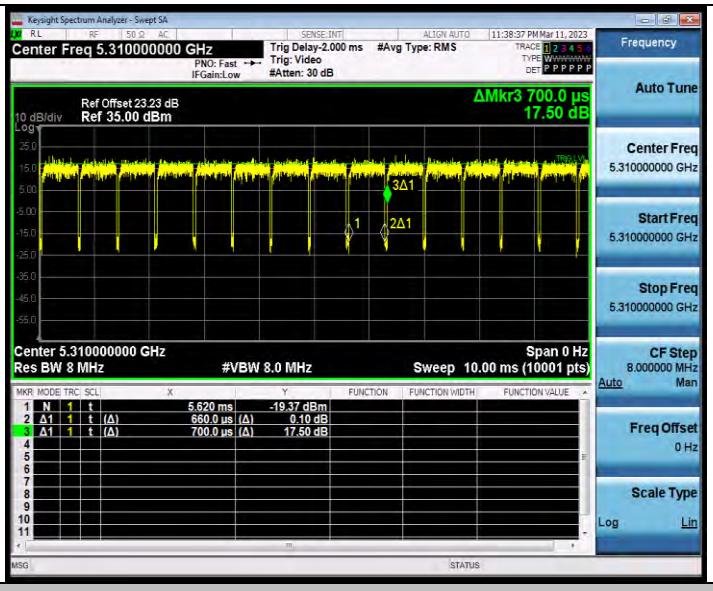

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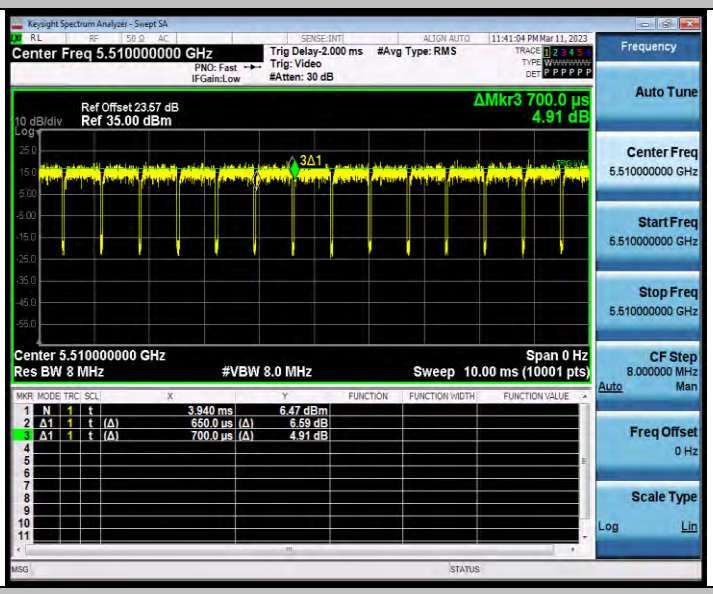

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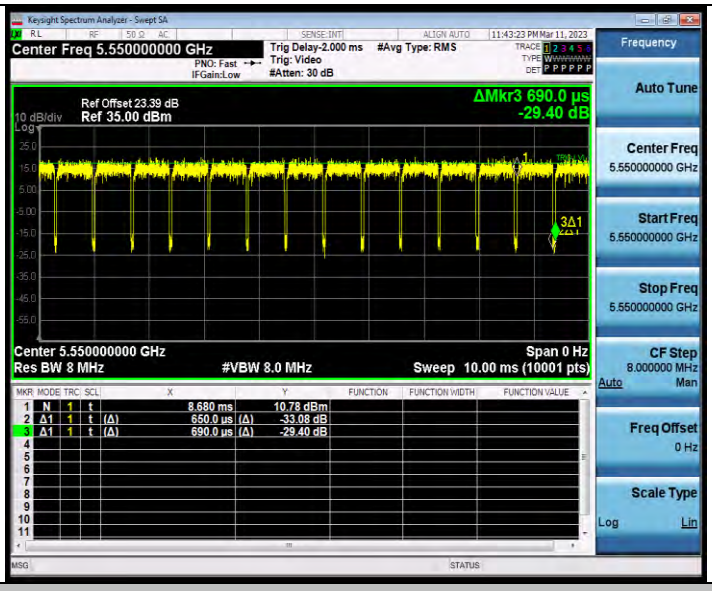

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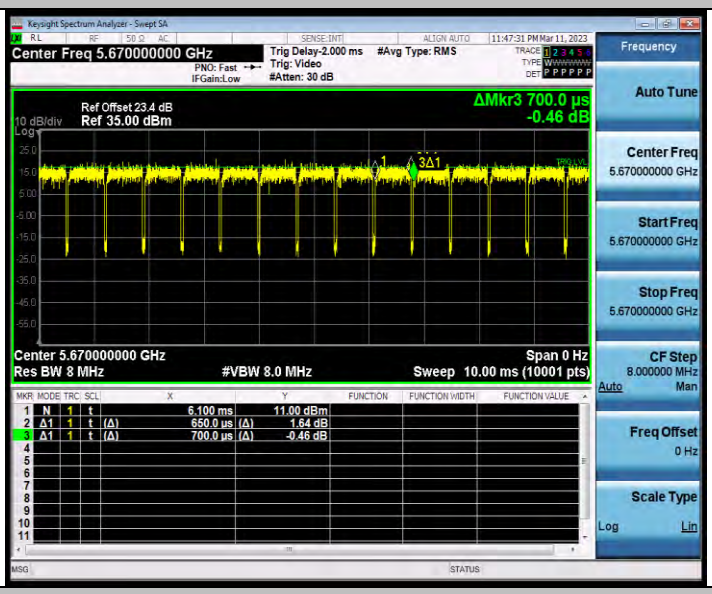
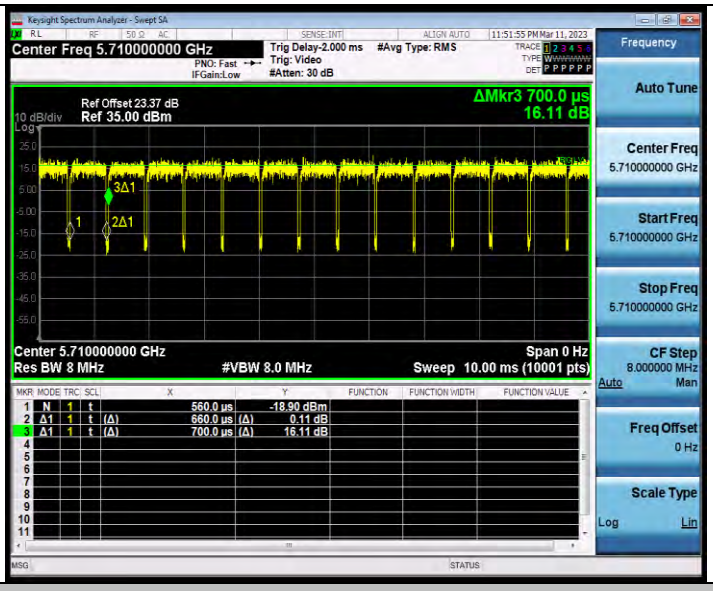


11AC40SISO_Ant1_5710



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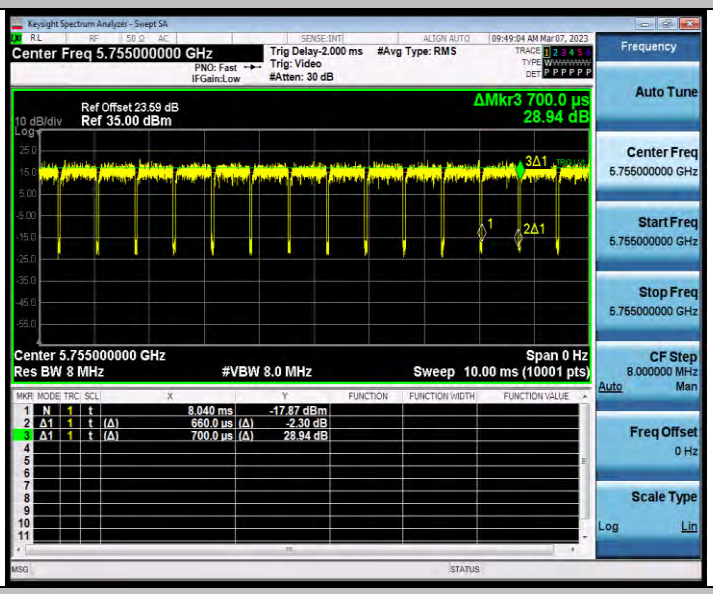

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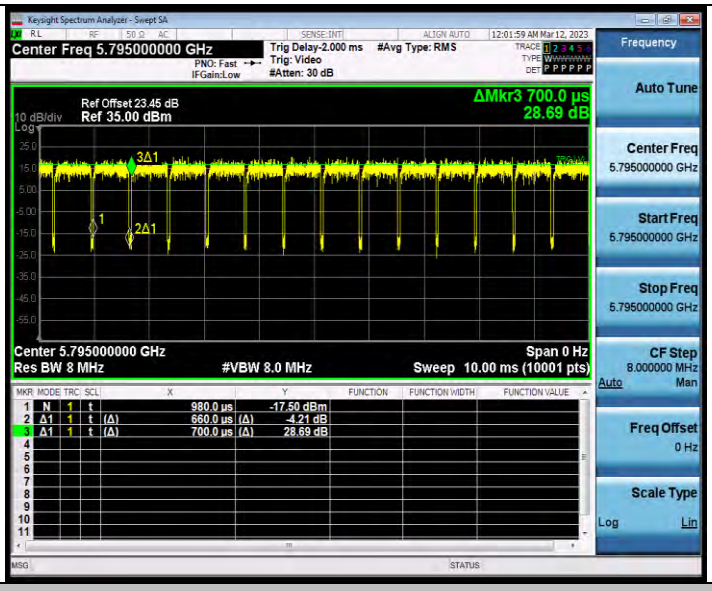

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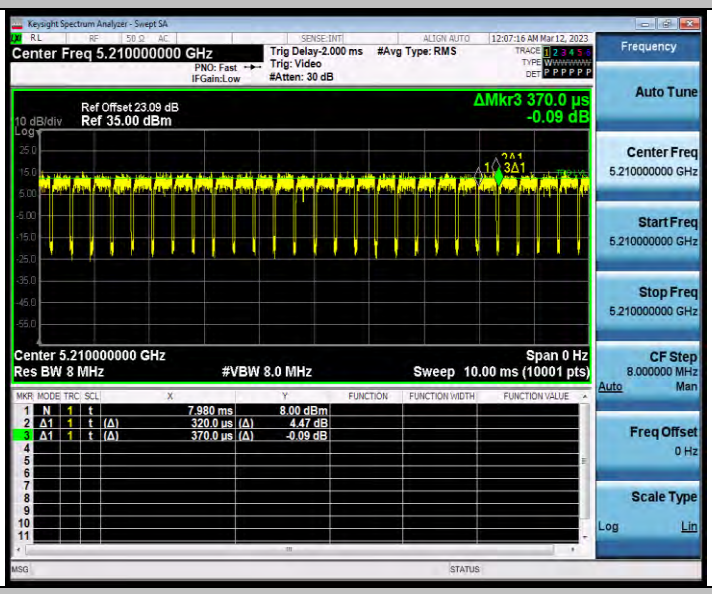

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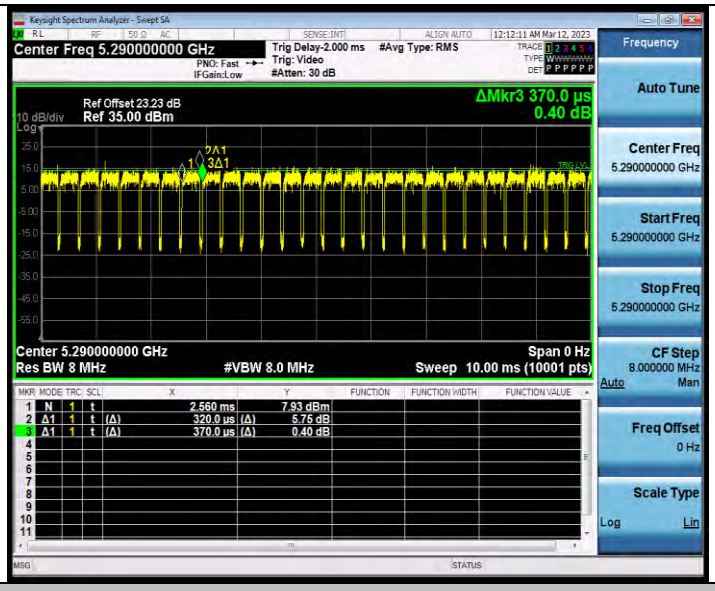

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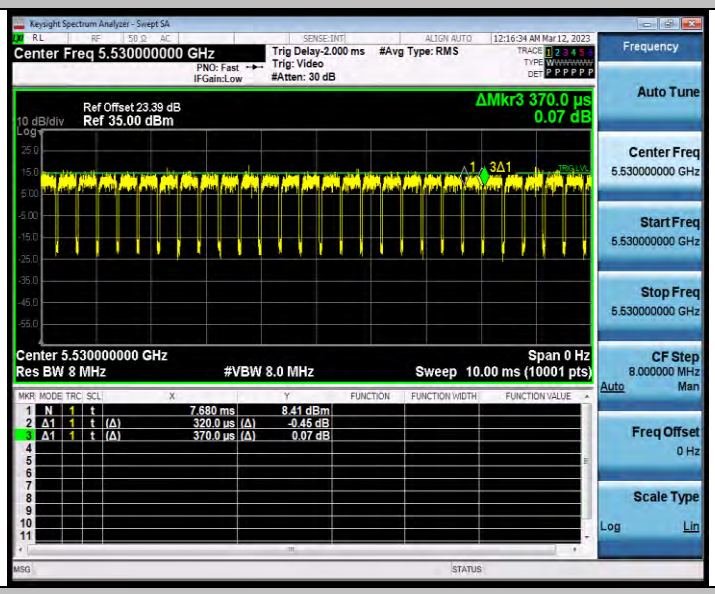

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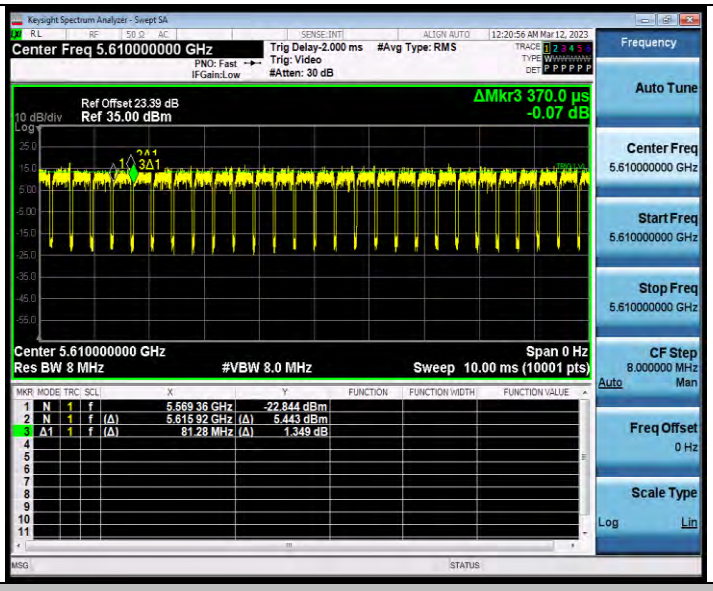

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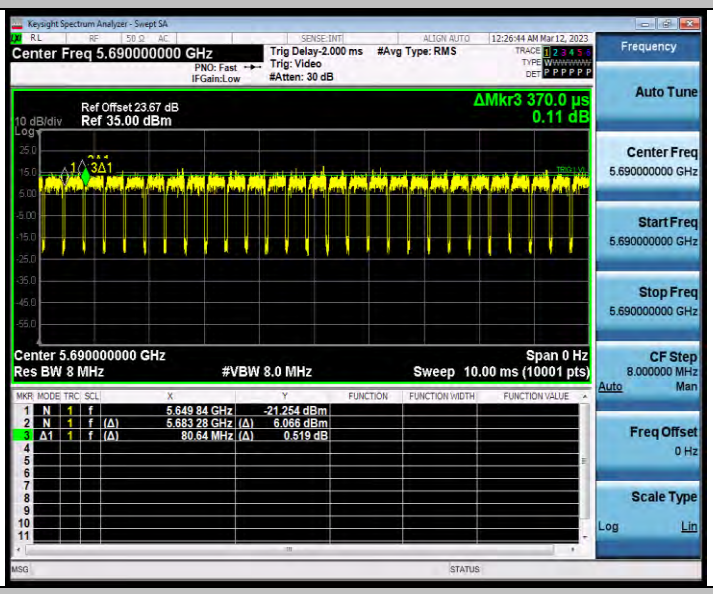
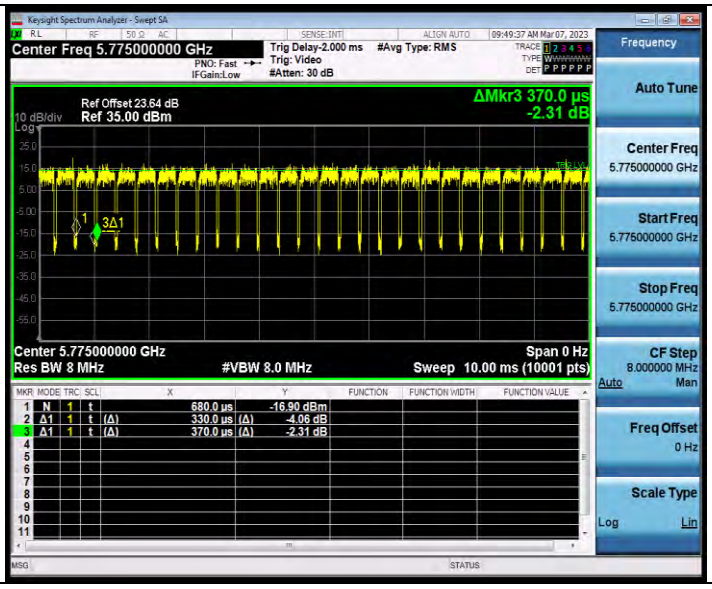


11AC80SISO_Ant1_5775


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
Trig Delay-2.000 ms
#Avg Type: RMS
Trig: Video
#Atten: 30 dB
PNO: Fast
IFGain:Low
Ref Offset 23.64 dB
10 dB/div
Ref 35.00 dBm
ΔMkr3 370.0 µs
-2.31 dB
Center 5.775000000 GHz
Span 0 Hz
Res BW 8 MHz
#VBW 8.0 MHz
Sweep 10.00 ms (10001 pts)
1 N 1 t 680.0 µs -16.90 dBm
2 Δ1 1 t (Δ) 330.0 µs (Δ) -4.06 dB
3 Δ1 1 t (Δ) 370.0 µs (Δ) -2.31 dB
Frequency
Auto Tune
Center Freq
5.775000000 GHz
Start Freq
5.775000000 GHz
Stop Freq
5.775000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz
Scale Type
Log
Lin

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	17.43	≤24.00	/	13.83	≤22.30	Pass	17
		5200	17.45	≤24.00	/	13.85	≤22.31	Pass	17
		5240	17.21	≤24.00	/	13.61	≤22.30	Pass	16.5
		5260	17.20	≤24.00	≤23.30	13.30	≤29.29	Pass	16.5
		5300	17.20	≤24.00	≤23.29	13.30	≤29.30	Pass	16.5
		5320	17.38	≤24.00	≤23.30	13.48	≤29.30	Pass	16.5
		5500	17.09	≤24.00	≤24.00	13.29	≤29.30	Pass	17
		5580	17.16	≤24.00	≤24.00	13.36	≤29.30	Pass	17
		5700	17.32	≤24.00	≤24.00	13.52	≤29.31	Pass	17.5
		5720_UNII-2C	17.32	≤24.00	≤24.00	13.52	≤29.31	Pass	17.5
		5720_UNII-3	17.32	≤30.00	≤30.00	13.02	/	Pass	17.5
		5745	17.32	≤30.00	≤30.00	13.02	/	Pass	17.5
		5785	17.26	≤30.00	≤30.00	12.96	/	Pass	17.5
		5825	17.23	≤30.00	≤30.00	12.93	/	Pass	17.5
802.11n (HT20)	SISO	5180	16.23	≤24.00	/	12.63	≤22.55	Pass	16
		5200	16.47	≤24.00	/	12.87	≤22.54	Pass	16
		5240	16.50	≤24.00	/	12.9	≤22.53	Pass	16
		5260	16.54	≤24.00	≤23.54	12.64	≤24.00	Pass	16
		5300	16.52	≤24.00	≤23.55	12.62	≤29.55	Pass	16
		5320	16.58	≤24.00	≤23.55	12.68	≤29.55	Pass	16
		5500	16.48	≤24.00	≤23.54	12.68	≤29.54	Pass	16.5
802.11n (HT20)	SISO	5580	16.47	≤24.00	≤23.54	12.67	≤29.54	Pass	16.5
		5700	16.33	≤24.00	≤23.54	12.53	≤29.54	Pass	16.5
		5720_UNII-2C	16.31	≤24.00	≤23.55	12.51	≤29.55	Pass	16.5

802.11n (HT20)	SISO	5720_UNII-3	16.31	≤30.00	≤30.00	12.01	/	Pass	16.5
		5745	16.23	≤30.00	≤30.00	11.93	/	Pass	16.5
		5785	16.30	≤30.00	≤30.00	12	/	Pass	16.5
		5825	16.20	≤30.00	≤30.00	11.9	/	Pass	16.5
802.11n (HT40)	SISO	5190	15.26	≤24.00	/	11.66	≤23.01	Pass	15
		5230	15.29	≤24.00	/	11.69	≤23.01	Pass	15
		5270	15.39	≤24.00	≤24.00	11.49	≤30.00	Pass	15
		5310	15.50	≤24.00	≤24.00	11.60	≤30.00	Pass	15
		5510	15.35	≤24.00	≤24.00	11.55	≤30.00	Pass	15.5
		5550	15.31	≤24.00	≤24.00	11.51	≤30.00	Pass	15.5
		5670	15.34	≤24.00	≤24.00	11.54	≤30.00	Pass	15.5
		5710_UNII-2C	15.35	≤24.00	≤24.00	11.85	≤30.00	Pass	15.5
		5710_UNII-3	15.35	≤30.00	≤30.00	11.05	/	Pass	15.5
		5755	15.38	≤30.00	≤30.00	11.08	/	Pass	15.5
		5795	15.33	≤30.00	≤30.00	11.03	/	Pass	15.5
802.11ac (VHT20)	SISO	5180	16.29	≤24.00	/	12.69	≤22.53	Pass	16
		5200	16.48	≤24.00	/	12.88	≤22.52	Pass	16
		5240	16.38	≤24.00	/	12.78	≤22.53	Pass	16
		5260	16.42	≤24.00	≤23.52	12.52	≤24.00	Pass	16
		5300	16.50	≤24.00	≤23.53	12.60	≤29.53	Pass	16
		5320	16.47	≤24.00	≤23.53	12.57	≤29.53	Pass	16
		5500	16.52	≤24.00	≤23.53	12.72	≤29.53	Pass	16.5
		5580	16.43	≤24.00	≤23.52	12.63	≤29.52	Pass	16.5
		5700	16.34	≤24.00	≤23.52	12.54	≤29.52	Pass	16.5
802.11ac (VHT20)	SISO	5720_UNII-2C	16.36	≤24.00	≤23.51	12.56	≤29.51	Pass	16.5
		5720_UNII-3	16.36	≤30.00	≤30.00	12.06	/	Pass	16.5
		5745	16.26	≤30.00	≤30.00	11.96	/	Pass	16.5
		5785	16.31	≤30.00	≤30.00	12.01	/	Pass	16.5
		5825	16.29	≤30.00	≤30.00	11.99	/	Pass	16.5
802.11ac (VHT40)	SISO	5190	15.42	≤24.00	/	11.82	≤23.01	Pass	15
		5230	15.48	≤24.00	/	11.88	≤23.01	Pass	15
		5270	15.51	≤24.00	≤24.00	11.61	≤30.00	Pass	15
		5310	15.46	≤24.00	≤24.00	11.56	≤30.00	Pass	15
		5510	15.48	≤24.00	≤24.00	11.68	≤30.00	Pass	15.5

802.11ac (VHT40)	SISO	5550	15.44	≤24.00	≤24.00	11.64	≤30.00	Pass	15.5
		5670	15.39	≤24.00	≤24.00	11.59	≤30.00	Pass	15.5
		5710_UNII-2C	15.33	≤24.00	≤24.00	11.53	≤30.00	Pass	15.5
		5710_UNII-3	15.33	≤30.00	≤30.00	11.03	/	Pass	15.5
		5755	15.10	≤30.00	≤30.00	10.8	/	Pass	15.5
		5795	15.23	≤30.00	≤30.00	10.93	/	Pass	15.5
802.11ac (VHT80)	SISO	5210	14.41	≤24.00	/	10.81	≤23.01	Pass	14
		5290	14.15	≤24.00	≤24.00	10.25	≤30.00	Pass	14
		5530	14.23	≤24.00	≤24.00	10.43	≤30.00	Pass	14.5
		5610	14.14	≤24.00	≤24.00	10.34	≤30.00	Pass	14.5
		5690_UNII-2C	14.06	≤24.00	≤24.00	10.26	≤30.00	Pass	14.5
		5690_UNII-3	14.06	≤30.00	≤30.00	9.74	/	Pass	14.5
		5775	14.62	≤30.00	≤30.00	10.32	/	Pass	15

Note：The Duty Cycle Factor is compensated in the Maximum Conducted Power.

MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	7.77	≤11.00	PASS
		5200	7.76	≤11.00	PASS
		5240	8.31	≤11.00	PASS
		5260	7.77	≤11.00	PASS
		5300	7.69	≤11.00	PASS
		5320	7.6	≤11.00	PASS
		5500	7.93	≤11.00	PASS
		5580	7.64	≤11.00	PASS
		5700	8.08	≤11.00	PASS
		5720_UNII-2C	7.92	≤11.00	PASS
		5720_UNII-3	3.46	≤30.00	PASS
		5745	5.43	≤30.00	PASS
		5785	5.56	≤30.00	PASS
		5825	5.01	≤30.00	PASS
11N20SISO	Ant1	5180	6.4	≤11.00	PASS
		5200	6.34	≤11.00	PASS
		5240	6.93	≤11.00	PASS
		5260	6.94	≤11.00	PASS
		5300	7.01	≤11.00	PASS
		5320	6.79	≤11.00	PASS
		5500	6.92	≤11.00	PASS
		5580	7.4	≤11.00	PASS
		5700	6.87	≤11.00	PASS
		5720_UNII-2C	6.55	≤11.00	PASS
		5720_UNII-3	2.13	≤30.00	PASS
		5745	4.46	≤30.00	PASS
		5785	3.96	≤30.00	PASS
		5825	3.59	≤30.00	PASS

11N40SISO	Ant1	5190	2.4	≤11.00	PASS
		5230	2.87	≤11.00	PASS
		5270	2.8	≤11.00	PASS
		5310	2.96	≤11.00	PASS
		5510	2.94	≤11.00	PASS
		5550	2.78	≤11.00	PASS
		5670	2.81	≤11.00	PASS
		5710_UNII-2C	2.72	≤11.00	PASS
		5710_UNII-3	-2.89	≤30.00	PASS
		5755	0.24	≤30.00	PASS
		5795	-0.63	≤30.00	PASS
11AC20SISO	Ant1	5180	6.51	≤11.00	PASS
		5200	6.61	≤11.00	PASS
		5240	7.07	≤11.00	PASS
		5260	6.54	≤11.00	PASS
		5300	7.4	≤11.00	PASS
		5320	6.72	≤11.00	PASS
		5500	6.67	≤11.00	PASS
		5580	6.74	≤11.00	PASS
		5700	6.87	≤11.00	PASS
		5720_UNII-2C	6.62	≤11.00	PASS
		5720_UNII-3	1.96	≤30.00	PASS
		5745	4.06	≤30.00	PASS
		5785	3.83	≤30.00	PASS
		5825	3.52	≤30.00	PASS
11AC40SISO	Ant1	5190	2.24	≤11.00	PASS
		5230	3.16	≤11.00	PASS
		5270	2.81	≤11.00	PASS
		5310	2.77	≤11.00	PASS
		5510	2.75	≤11.00	PASS
		5550	2.71	≤11.00	PASS
		5670	2.66	≤11.00	PASS
		5710_UNII-2C	2.63	≤11.00	PASS
		5710_UNII-3	-3.28	≤30.00	PASS

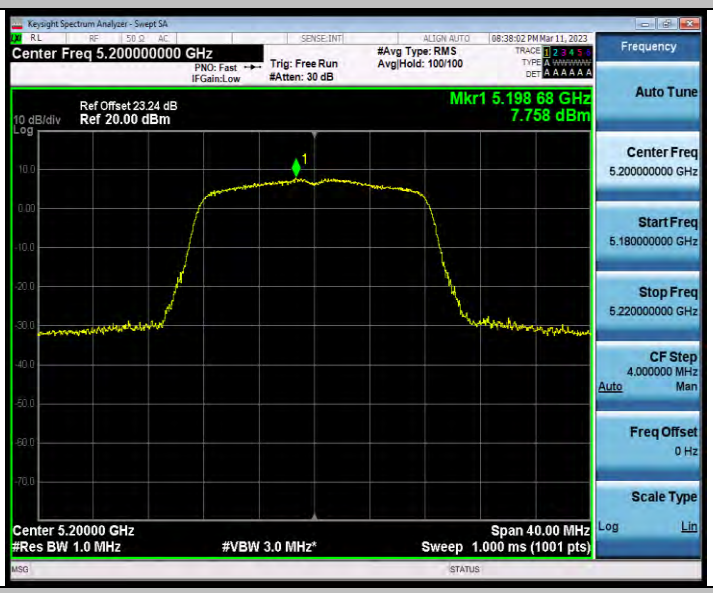
11AC40SISO	Ant1	5755	-0.29	≤30.00	PASS
		5795	-0.3	≤30.00	PASS
11AC80SISO	Ant1	5210	-1.48	≤11.00	PASS
		5290	-1.16	≤11.00	PASS
		5530	-1.28	≤11.00	PASS
		5610	-0.89	≤11.00	PASS
		5690_UNII-2C	-1.69	≤11.00	PASS
		5690_UNII-3	-8.62	≤30.00	PASS
		5775	-3.87	≤30.00	PASS

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



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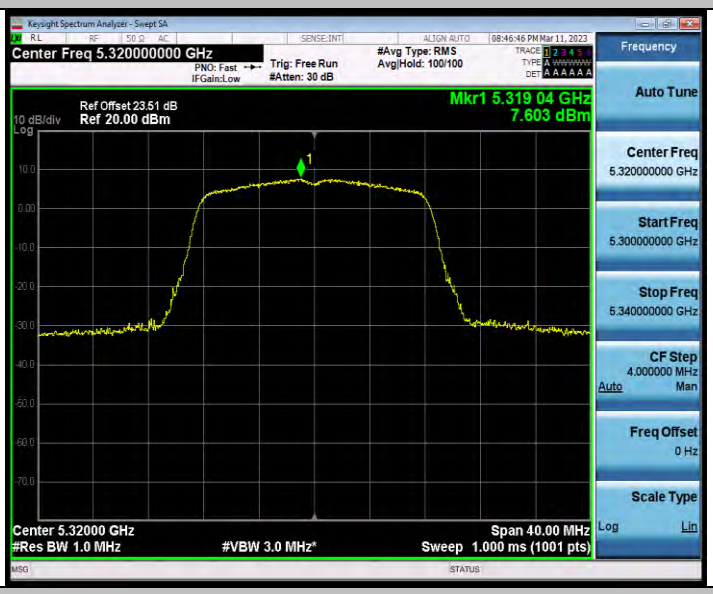
11A_Ant1_5260

11A_Ant1_5300

11A_Ant1_5320



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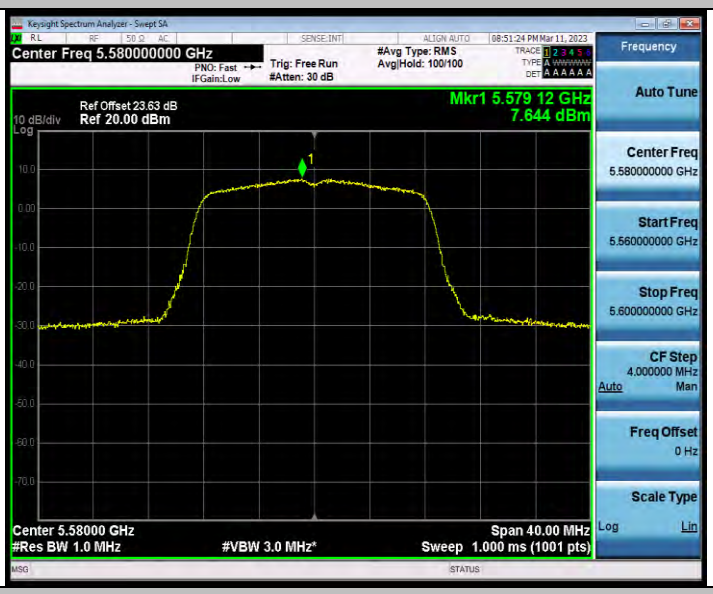
11A_Ant1_5580



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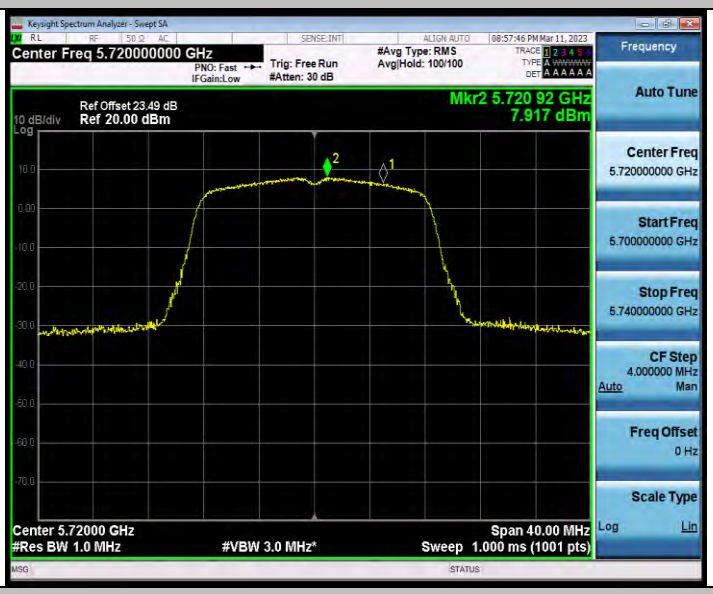

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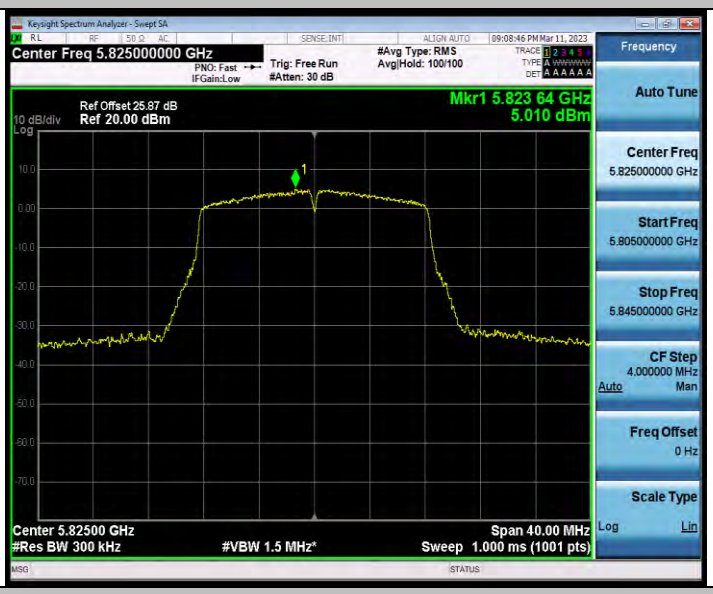
11A_Ant1_5745

11A_Ant1_5785

11A_Ant1_5825



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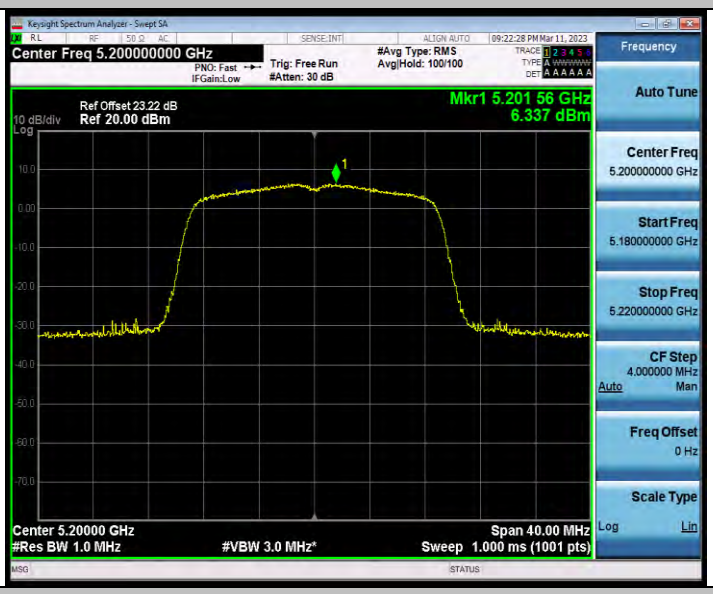

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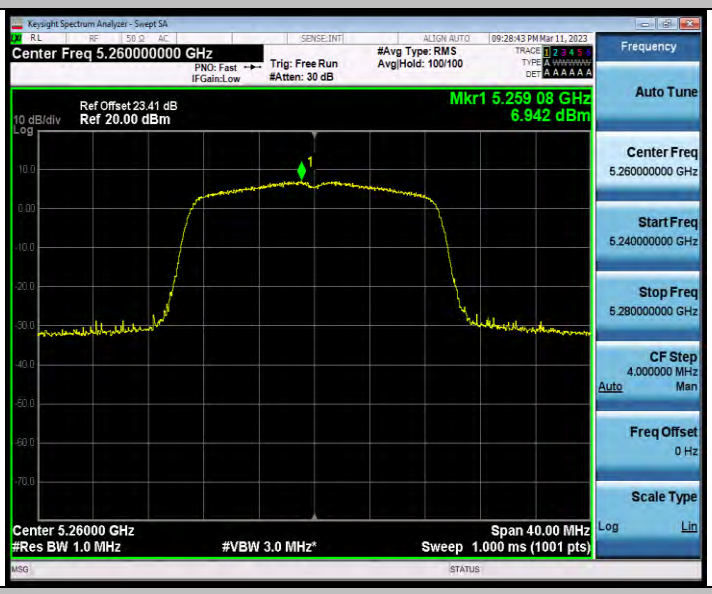

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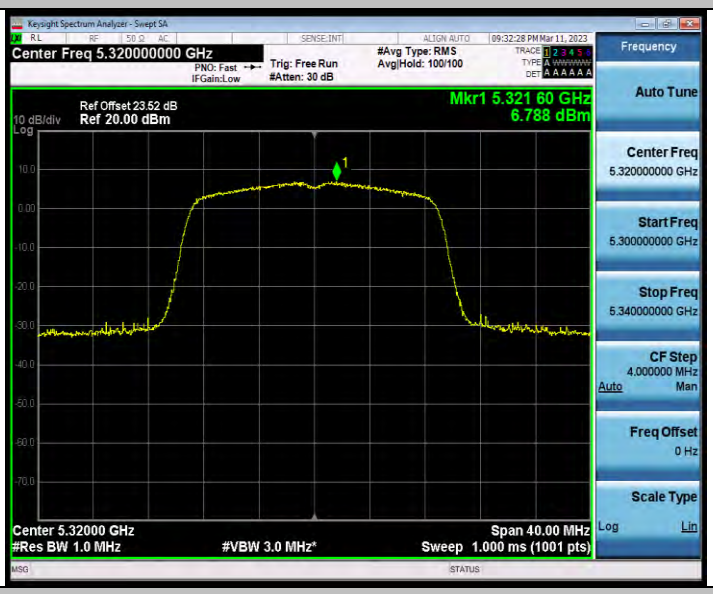

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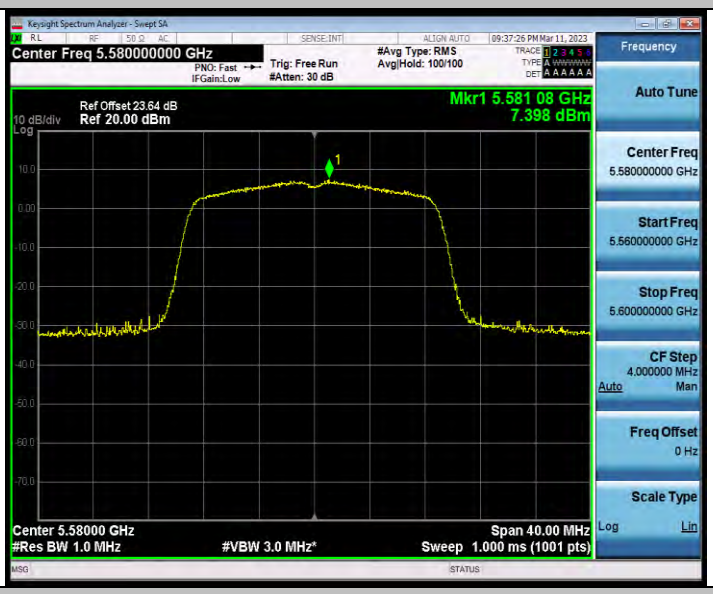
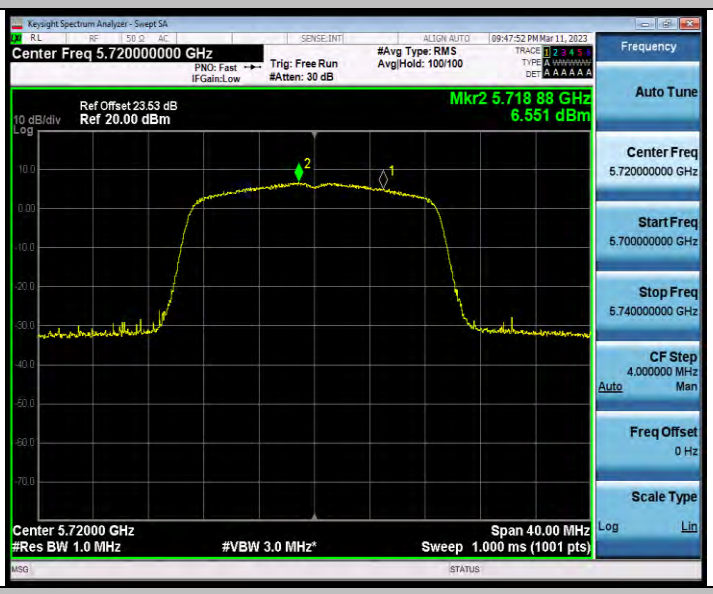
11N20SISO_Ant1_5580



11N20SISO_Ant1_5700

11N20SISO_Ant1_5720_UNII-2C



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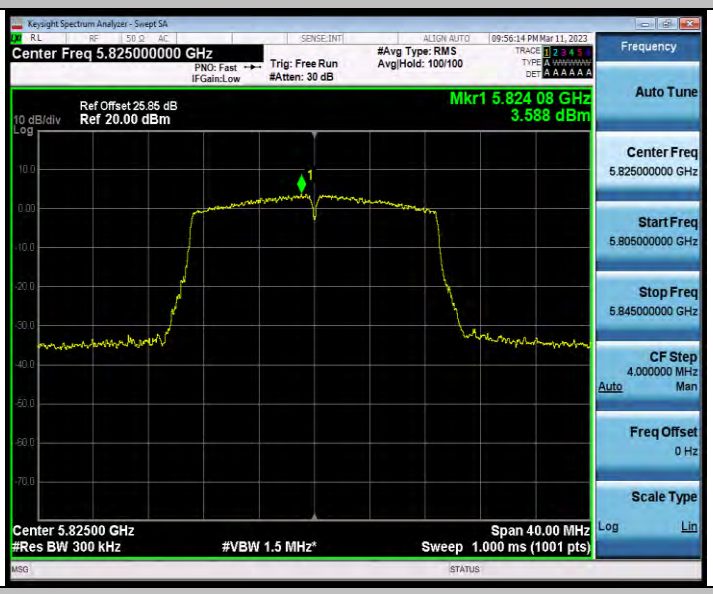
11N20SISO_Ant1_5745

11N20SISO_Ant1_5785

11N20SISO_Ant1_5825



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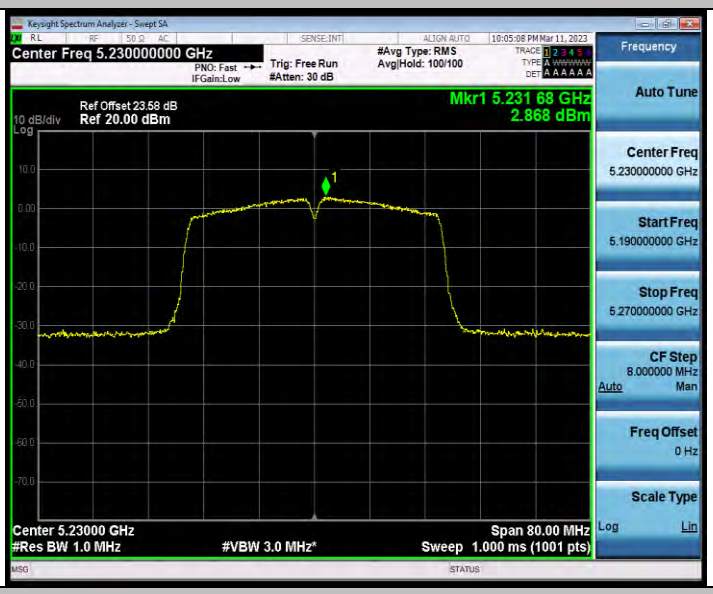

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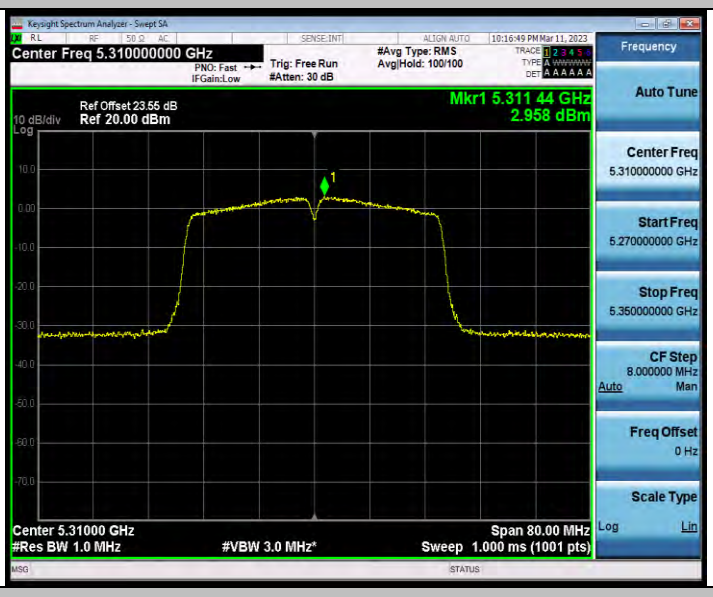

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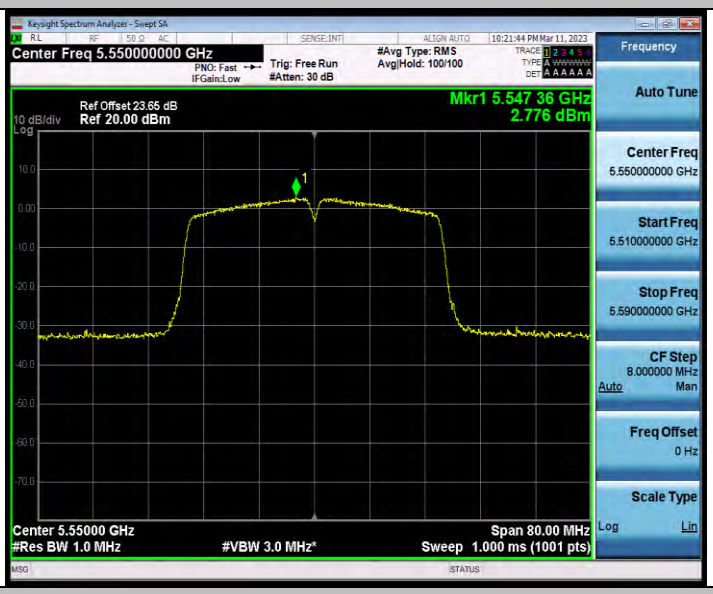

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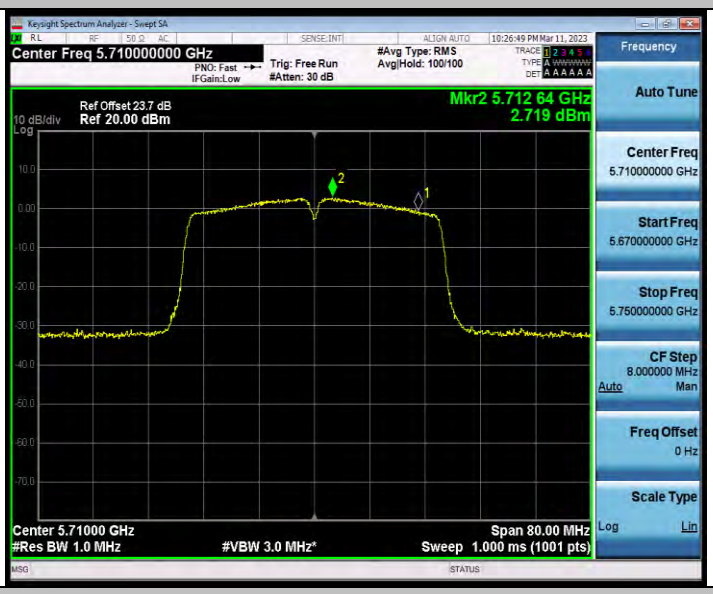

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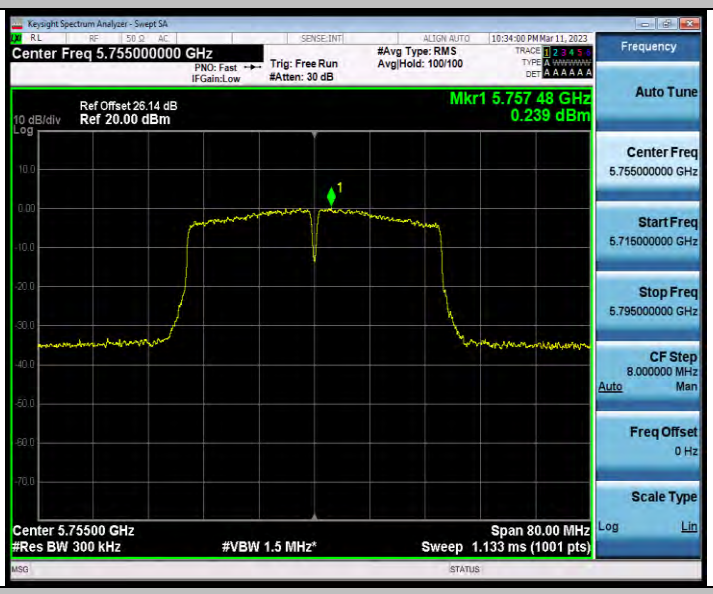
11N40SISO_Ant1_5755



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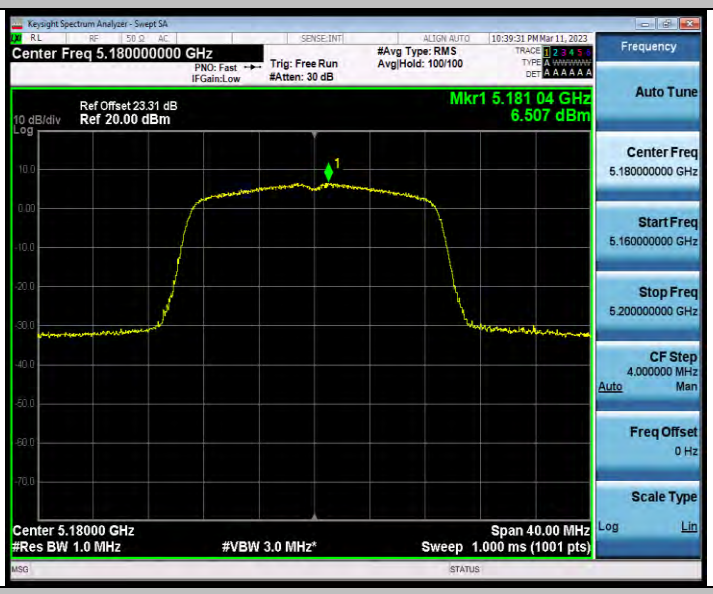
11AC20SISO_Ant1_5180



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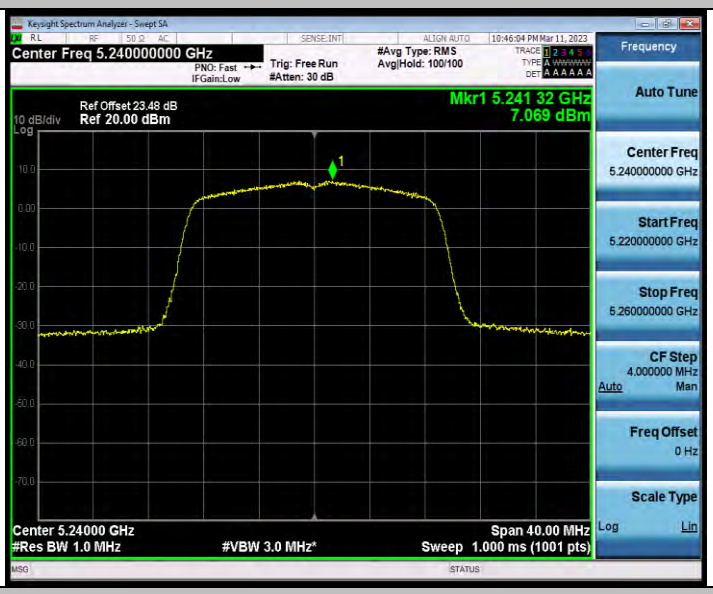

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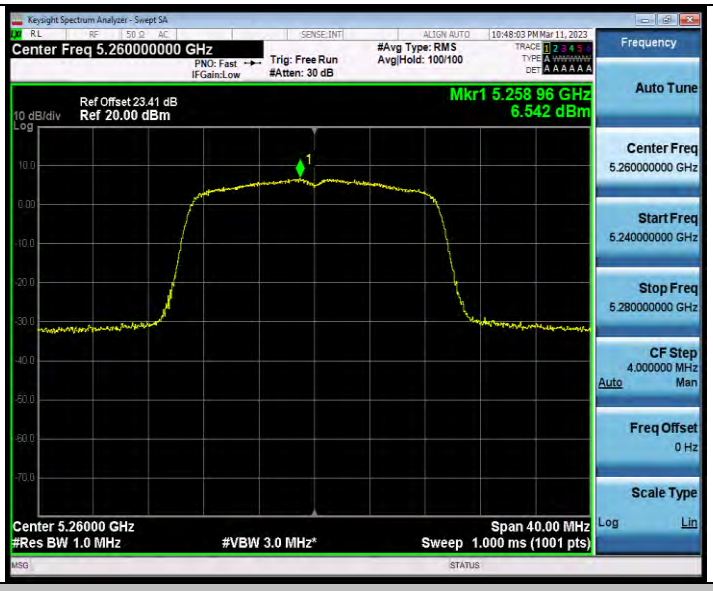

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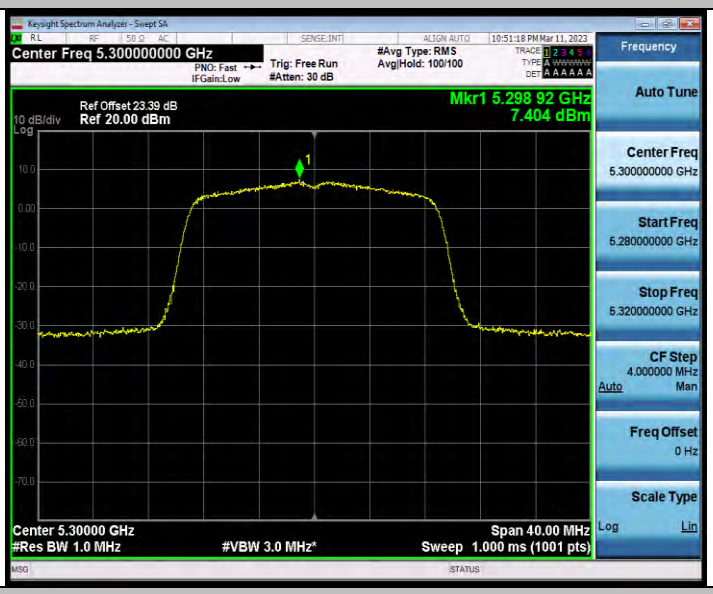

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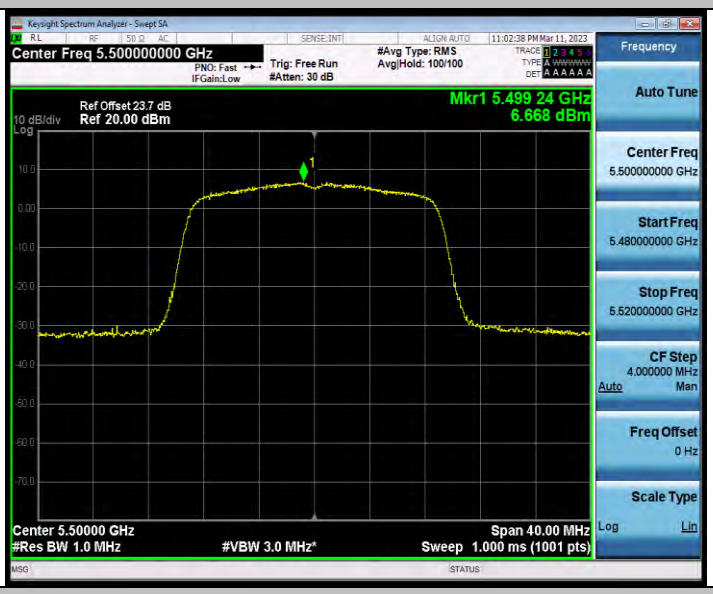

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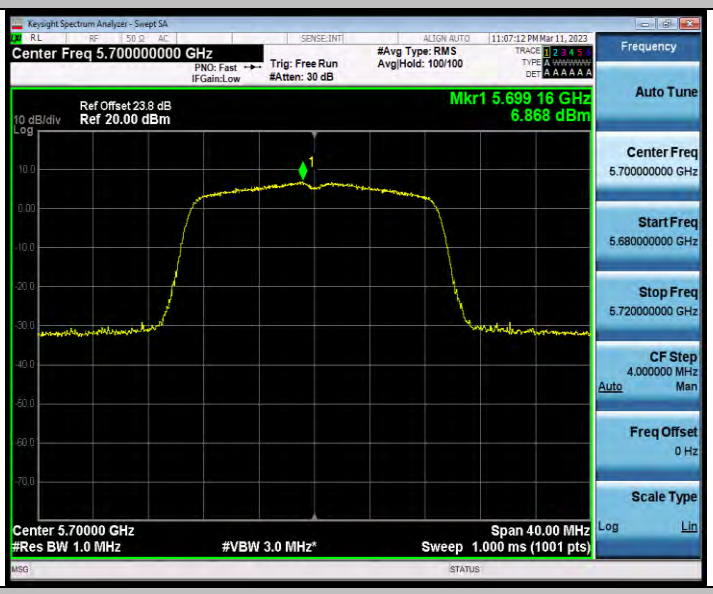

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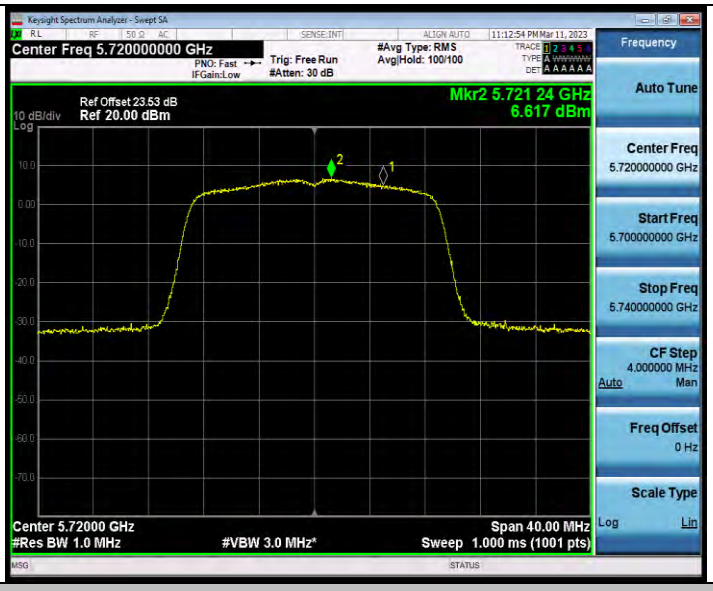

11AC20SISO_Ant1_5720_UNII-3

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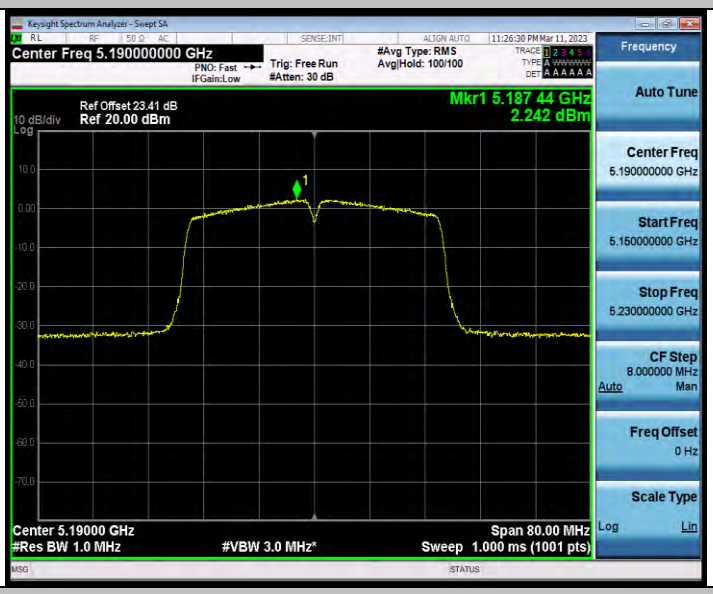
11AC20SISO_Ant1_5785

11AC20SISO_Ant1_5825

11AC40SISO_Ant1_5190



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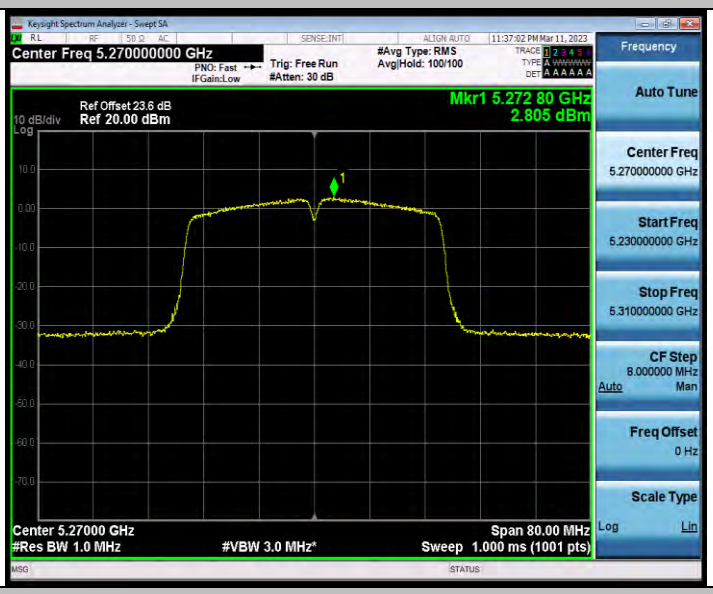
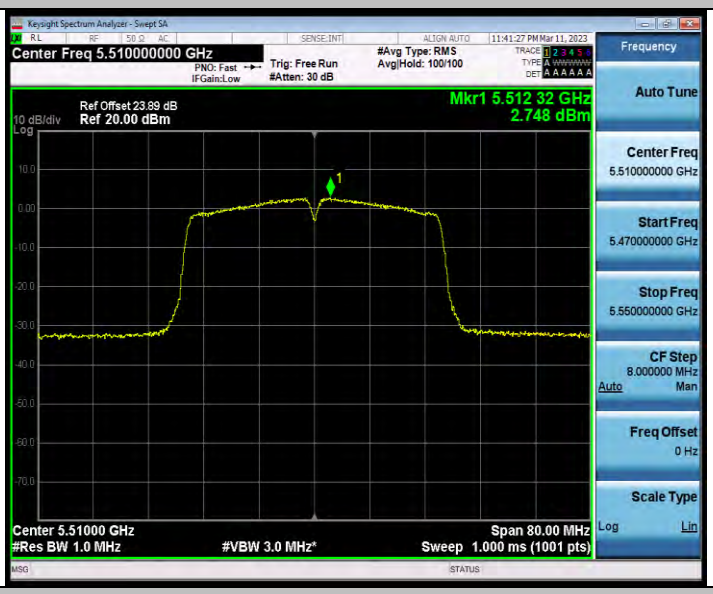


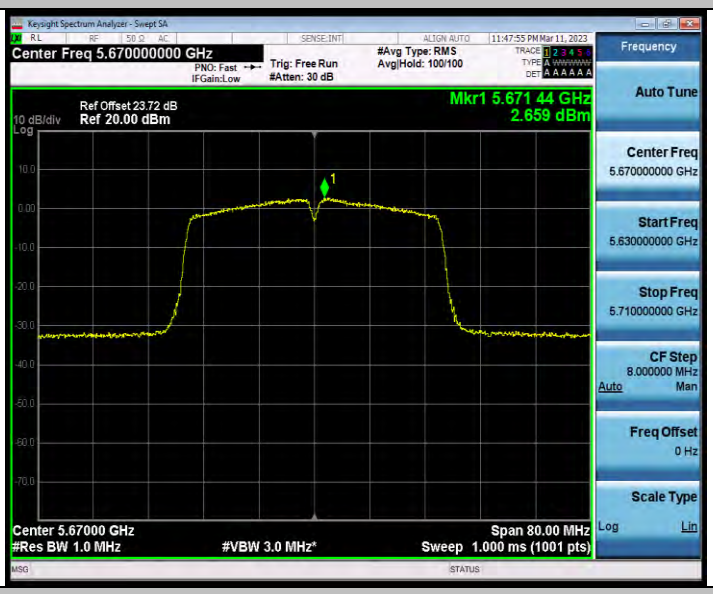
11AC40SISO_Ant1_5310

11AC40SISO_Ant1_5510



11AC40SISO_Ant1_5550

11AC40SISO_Ant1_5670



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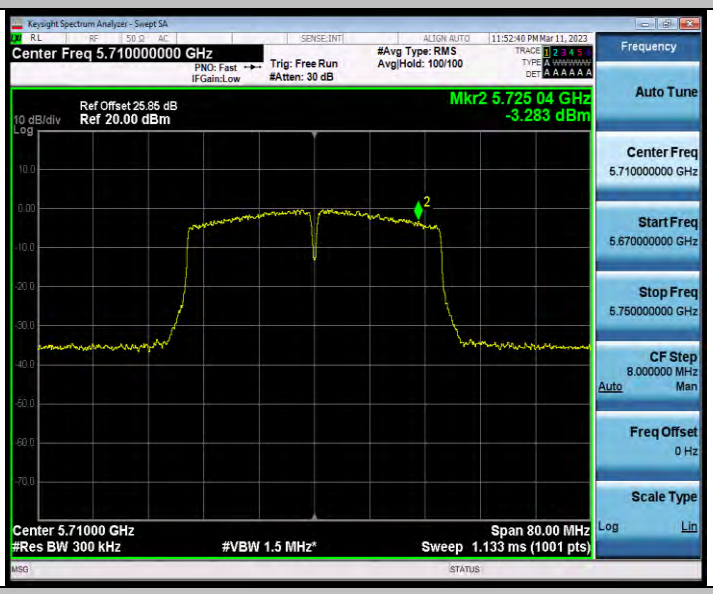
11AC40SISO_Ant1_5710_UNII-3



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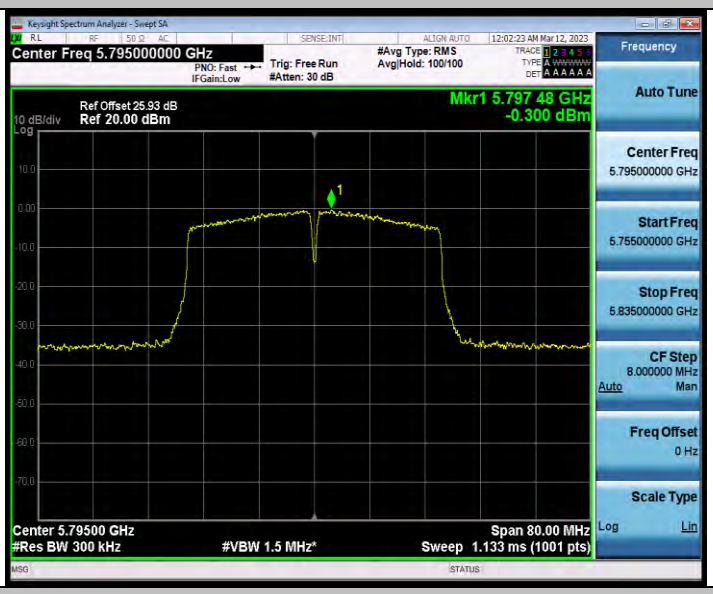

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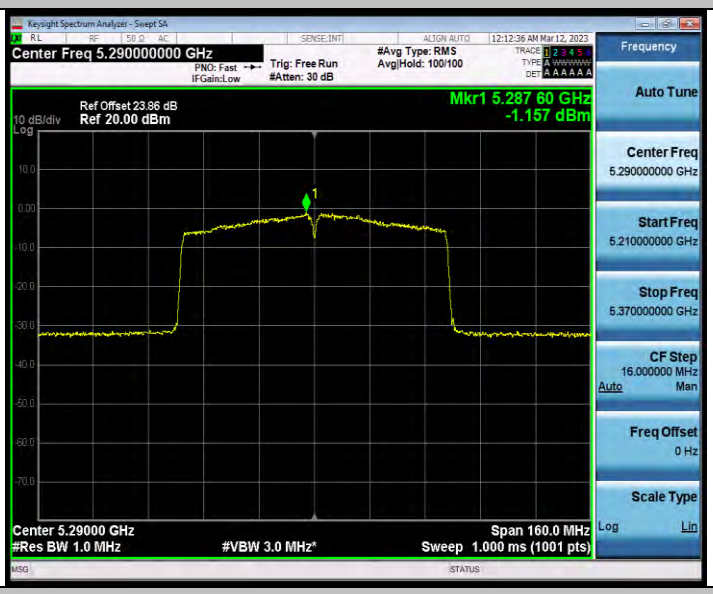

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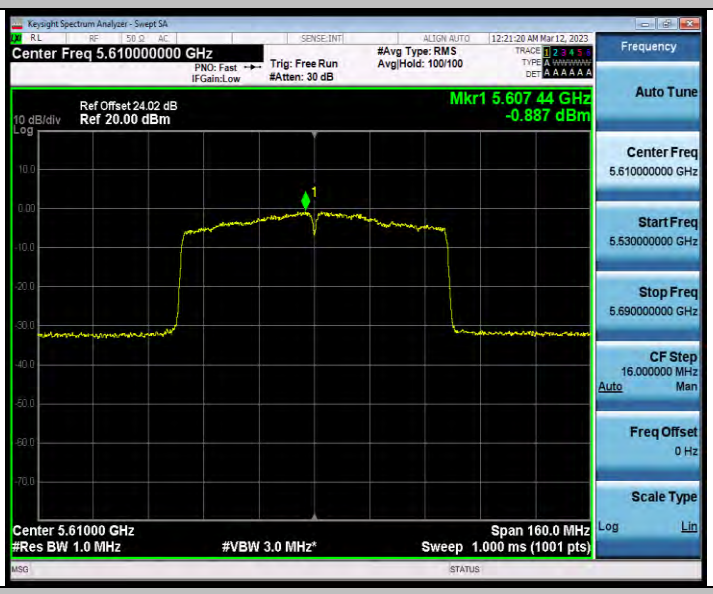
11AC80SISO_Ant1_5610



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