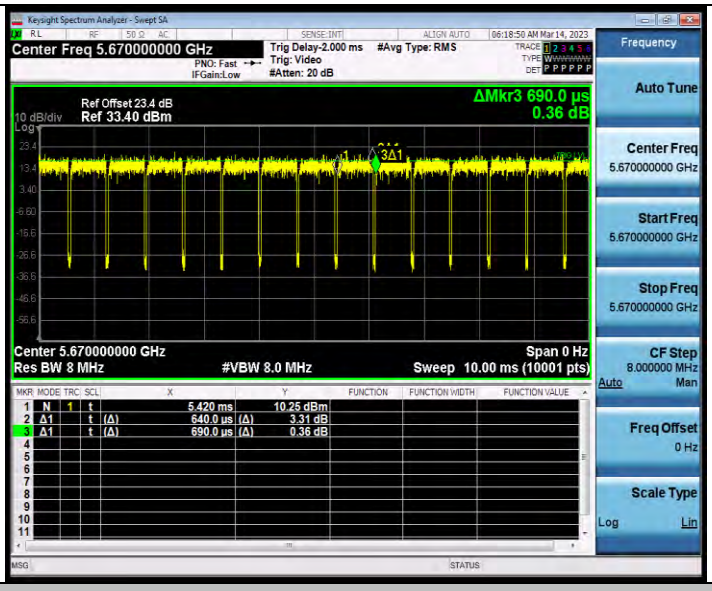
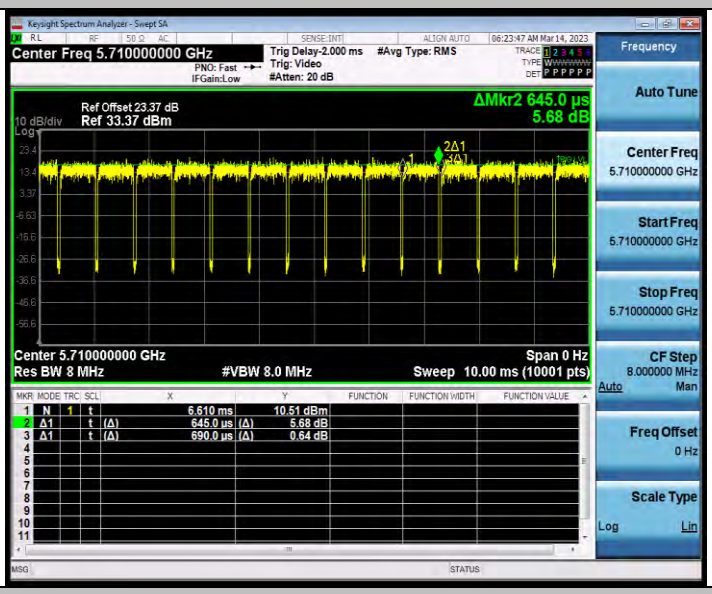
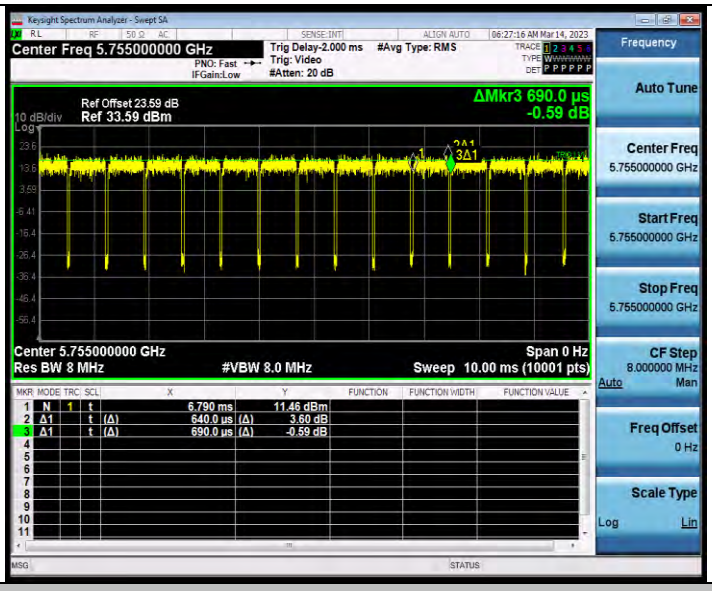


11N40SISO_Ant1_5710



11N40SISO_Ant1_5755



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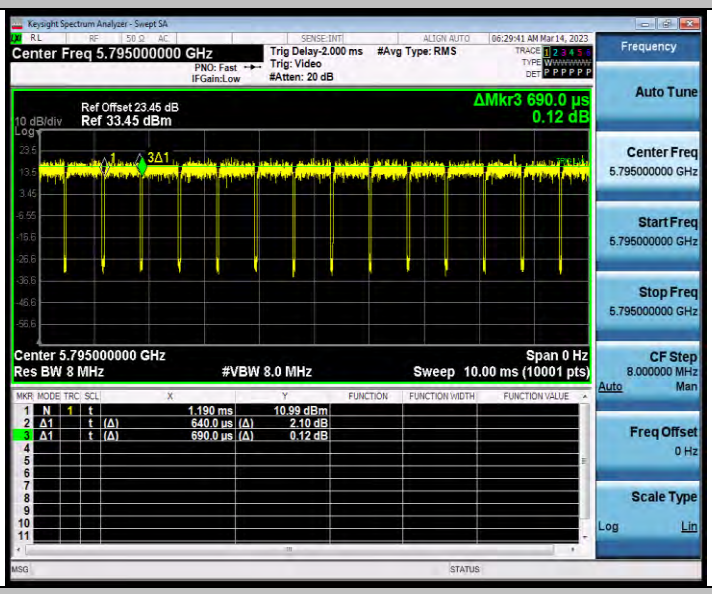

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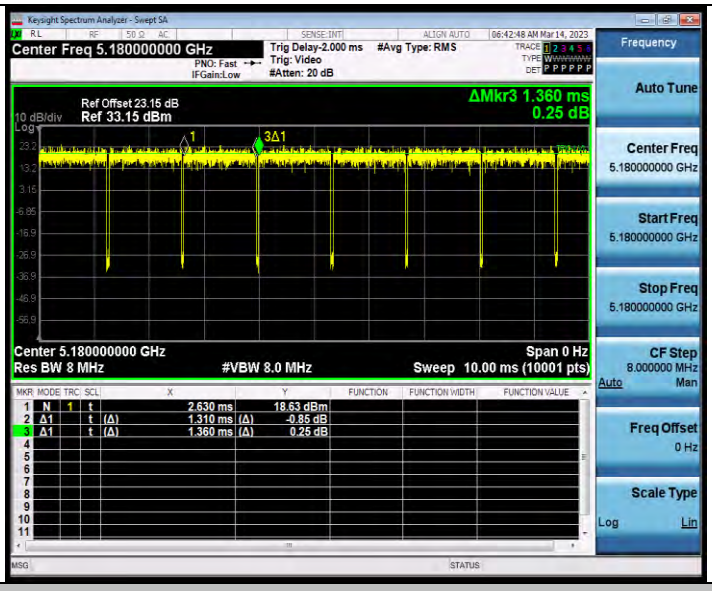

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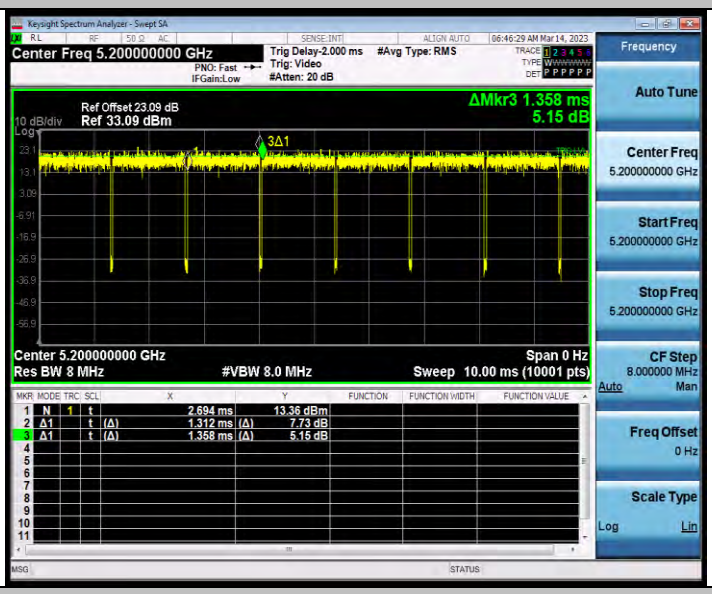

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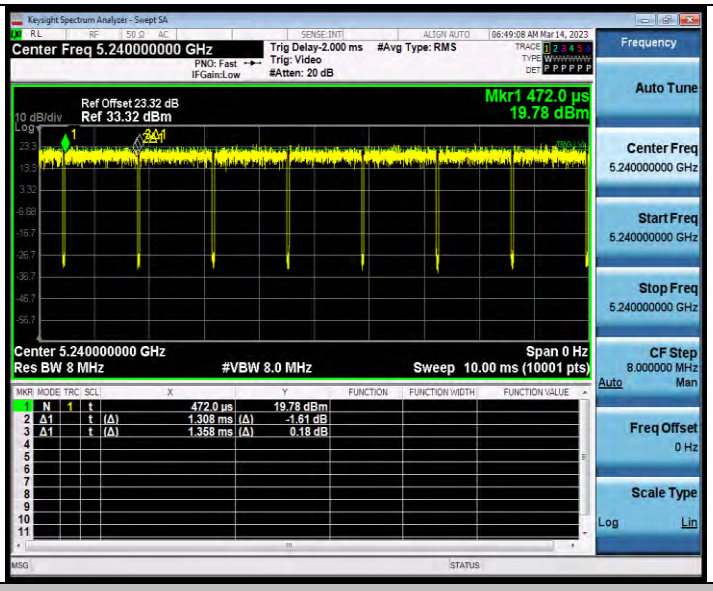

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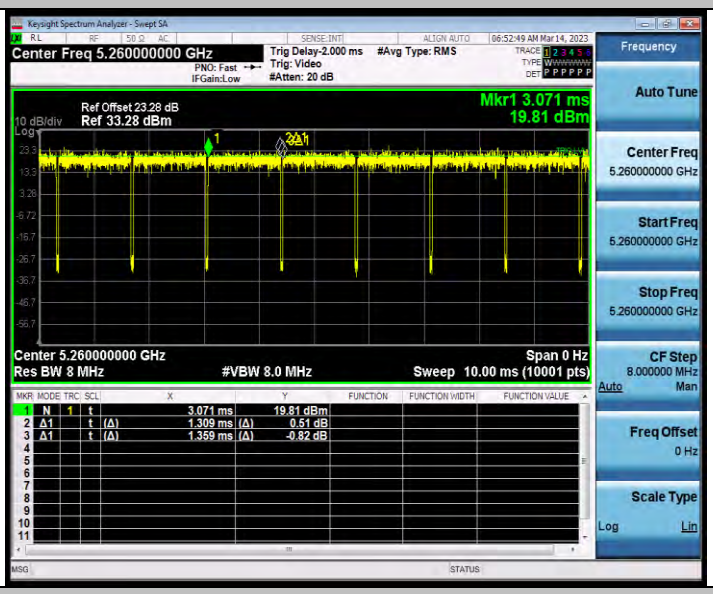

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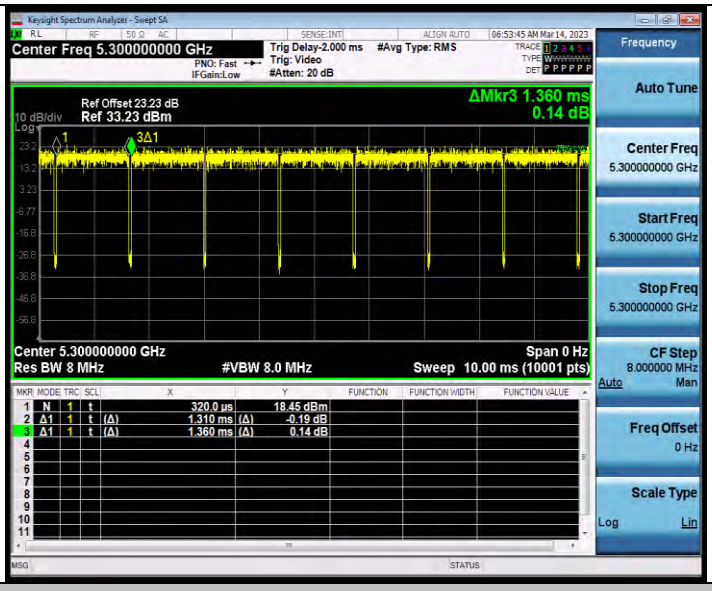

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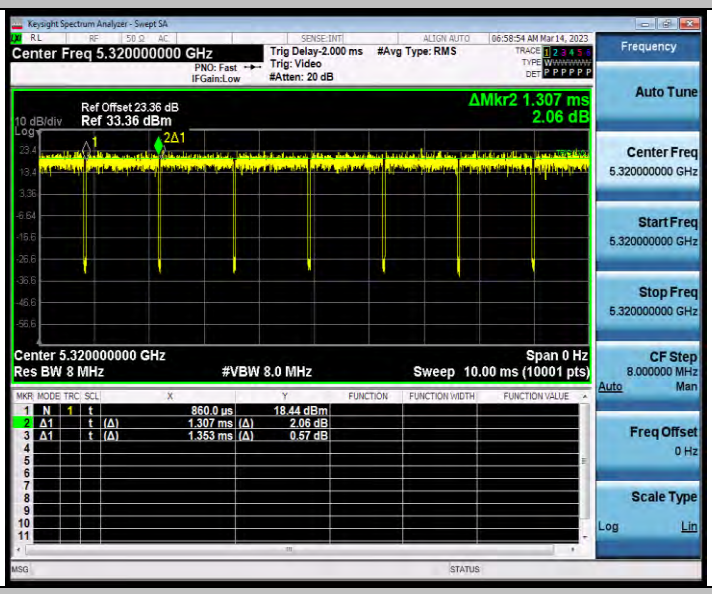
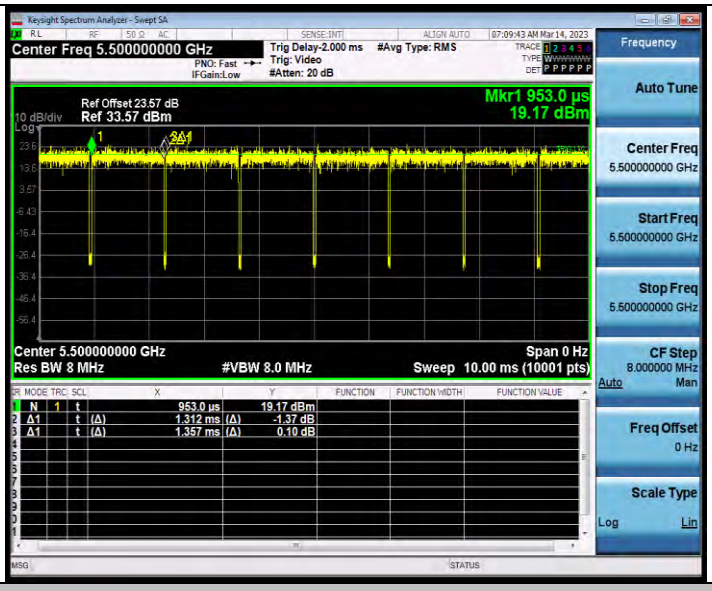


11AC20SISO_Ant1_5500



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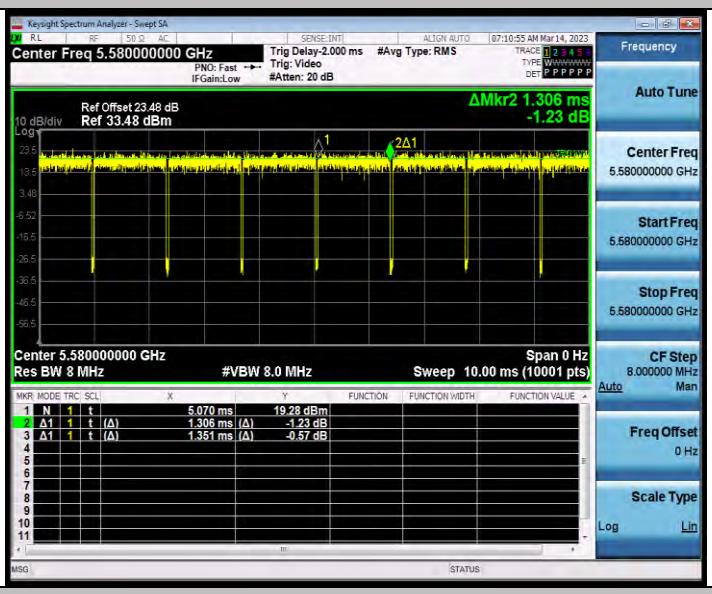

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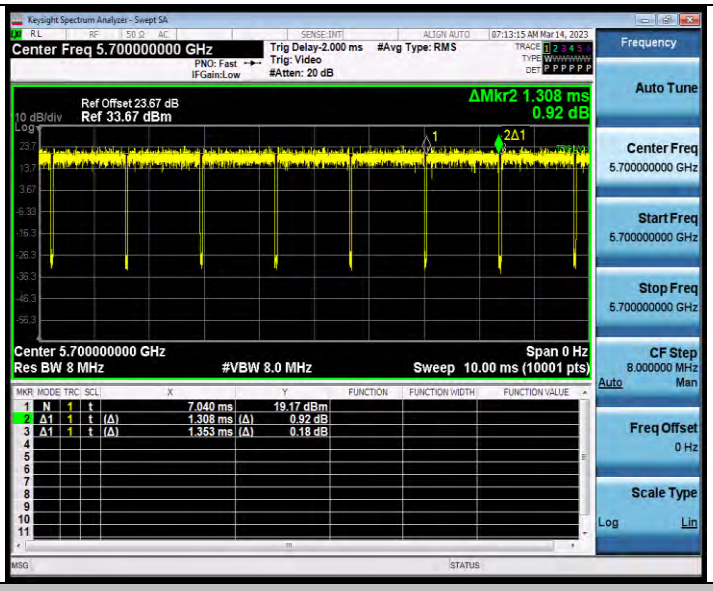

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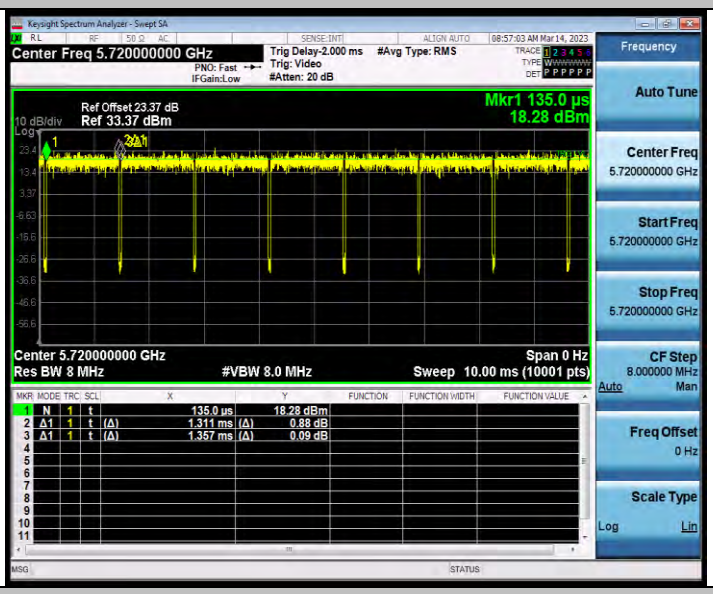
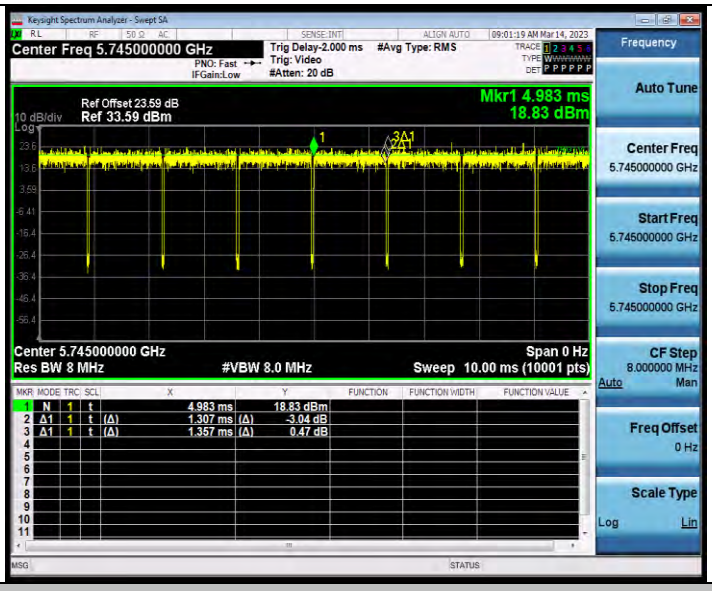


11AC20SISO_Ant1_5745



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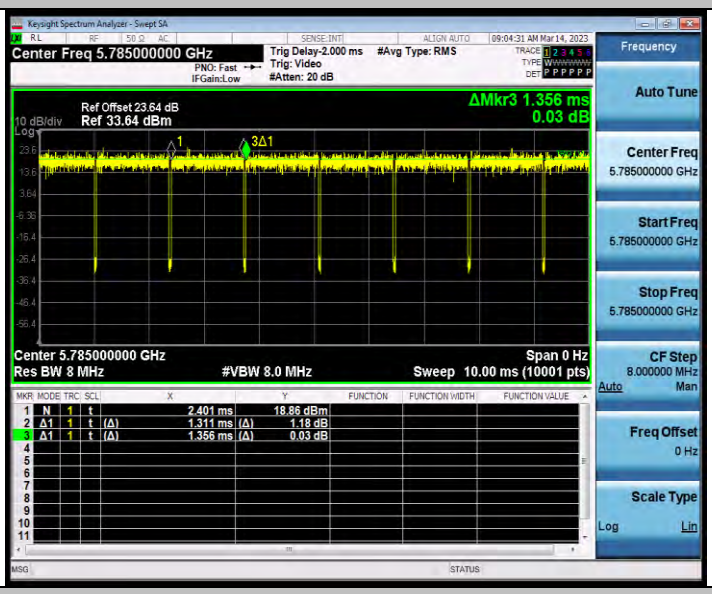

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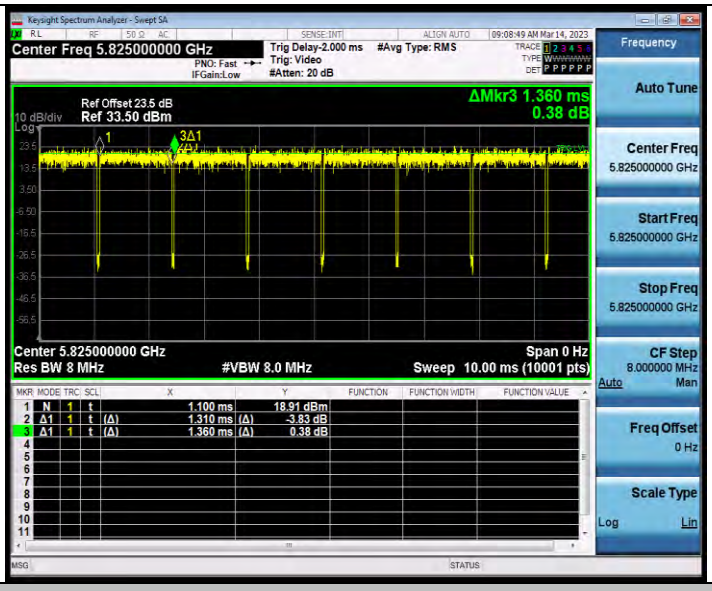
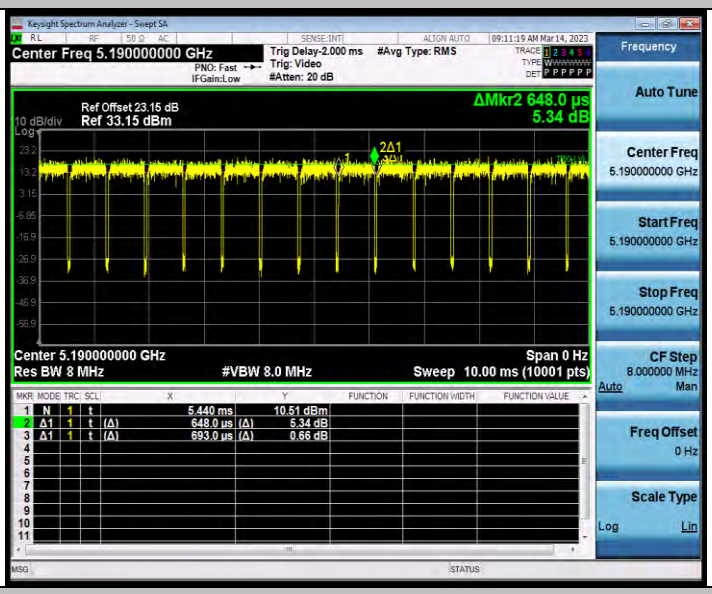
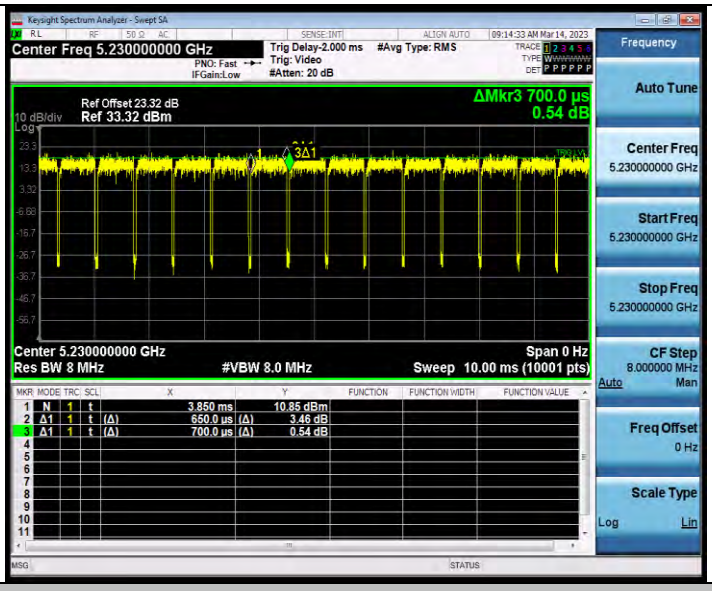


11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



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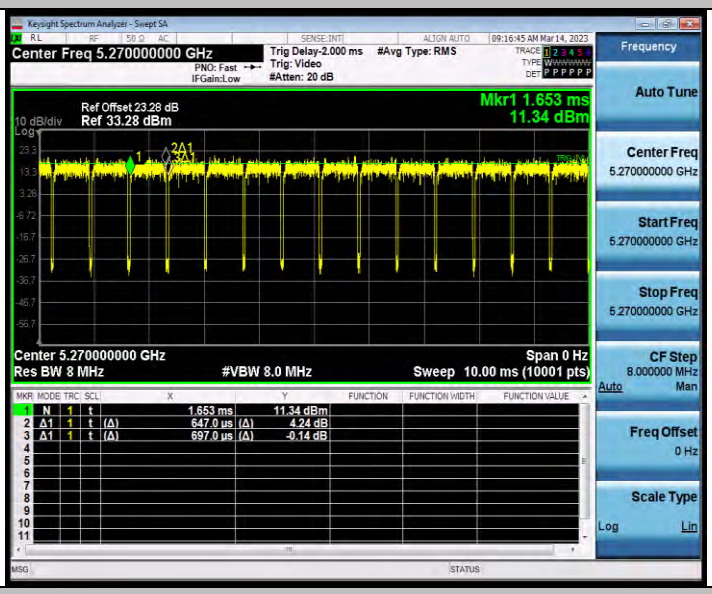

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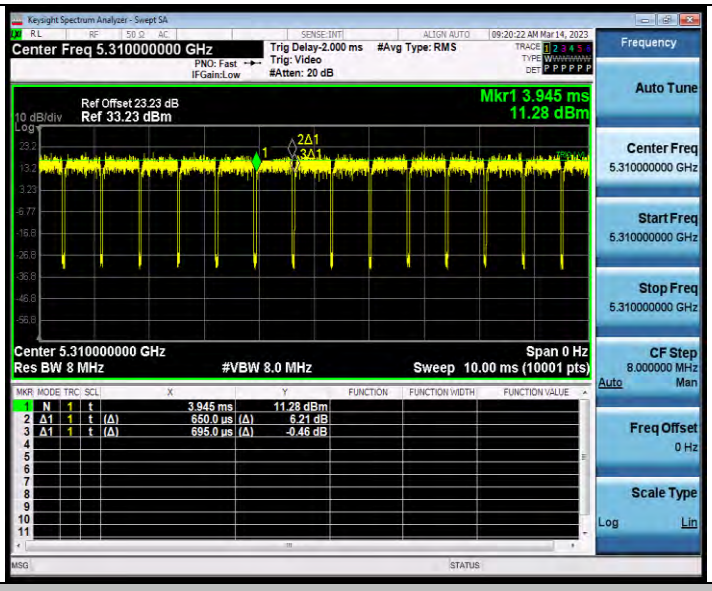

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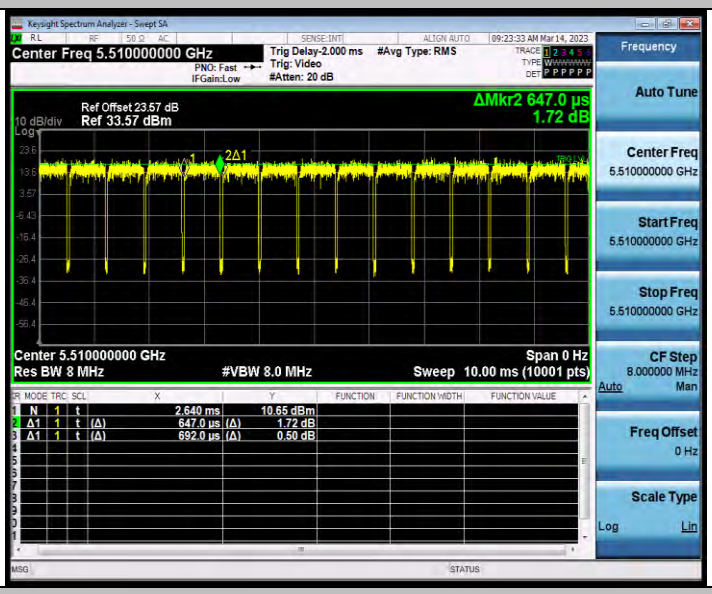

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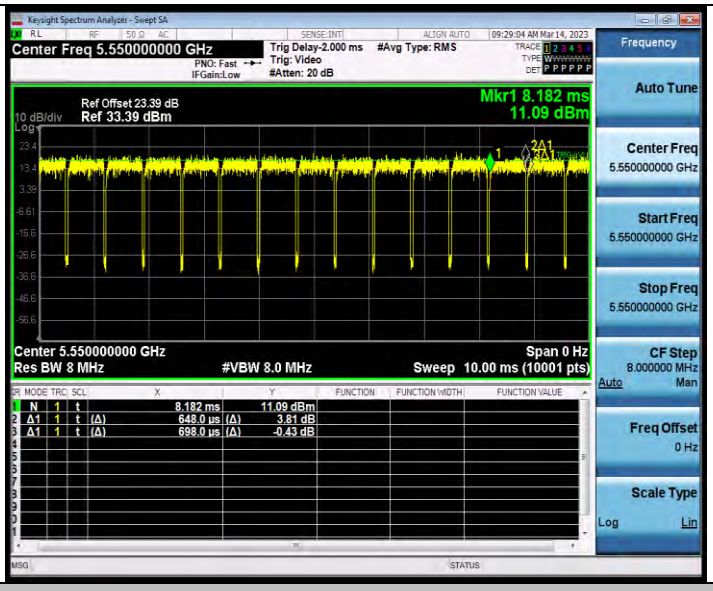

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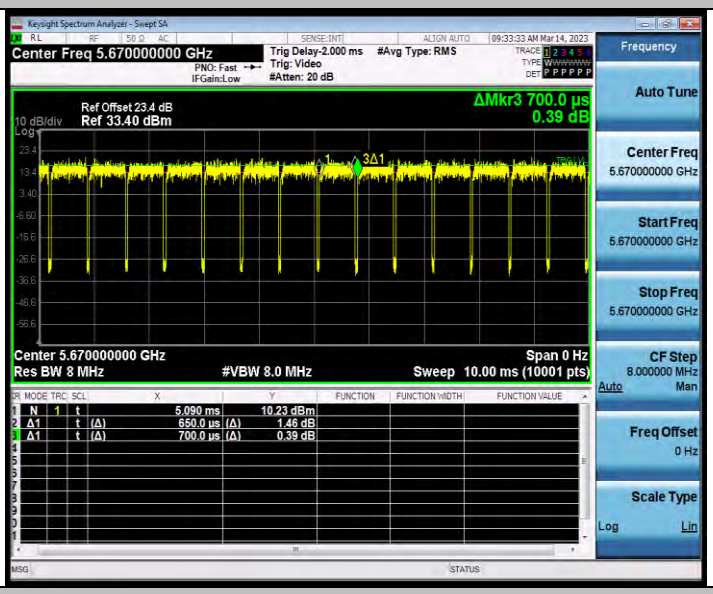
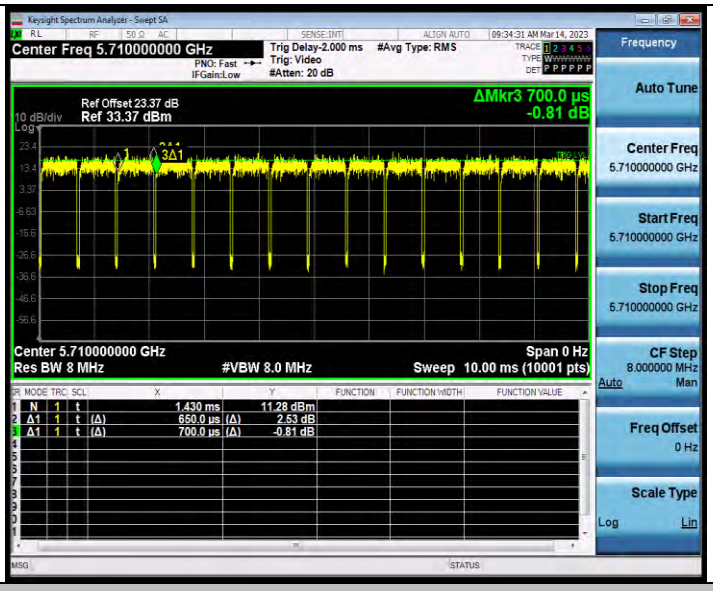


11AC40SISO_Ant1_5710



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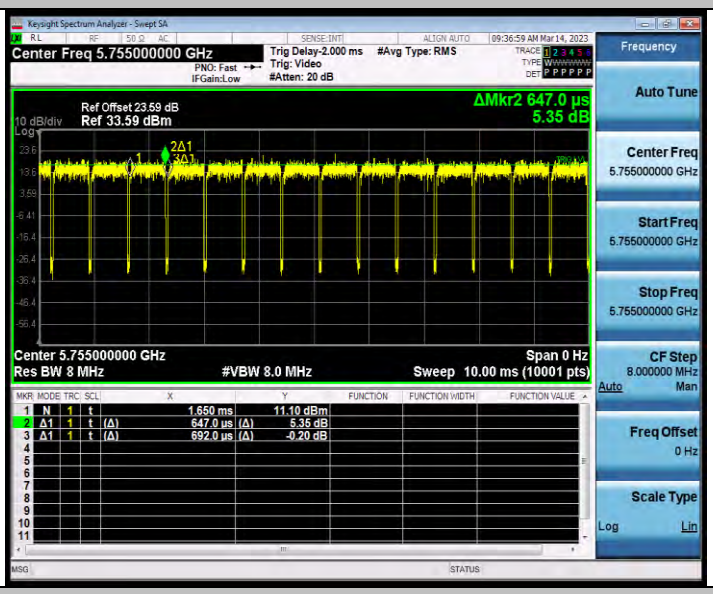

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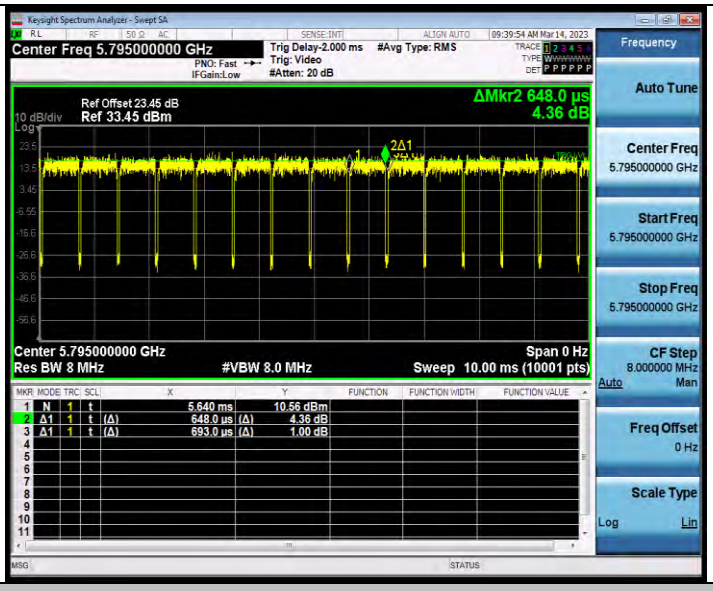

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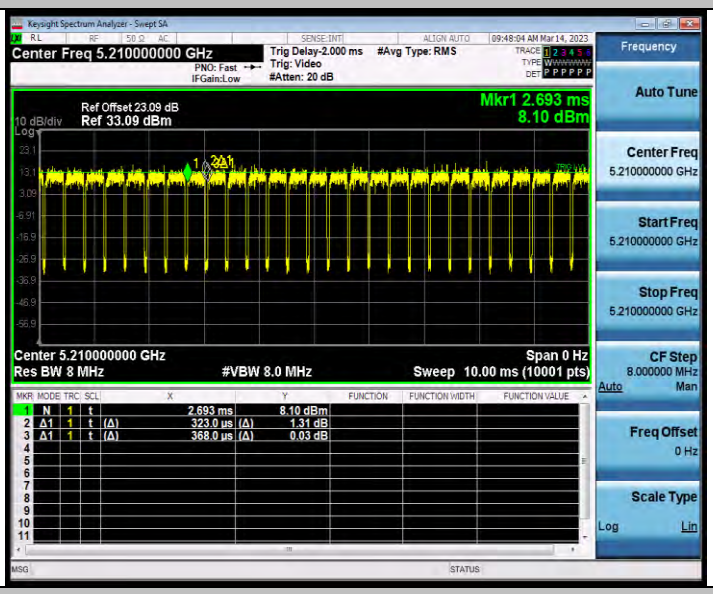

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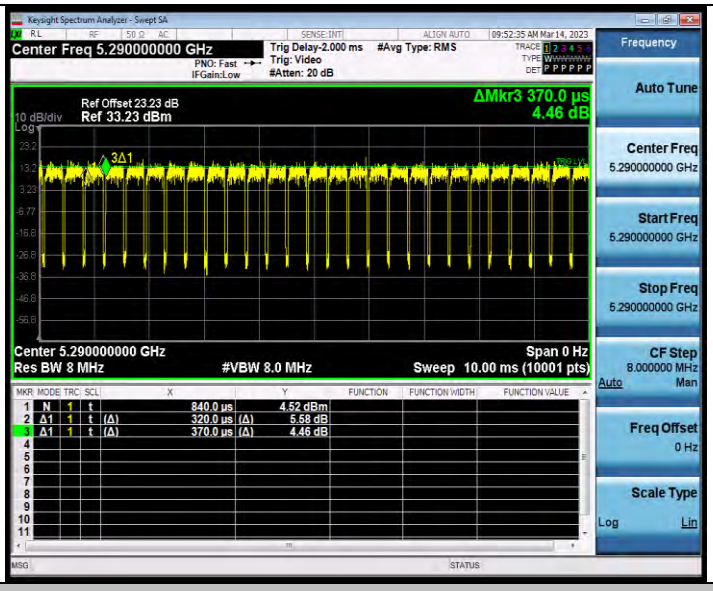

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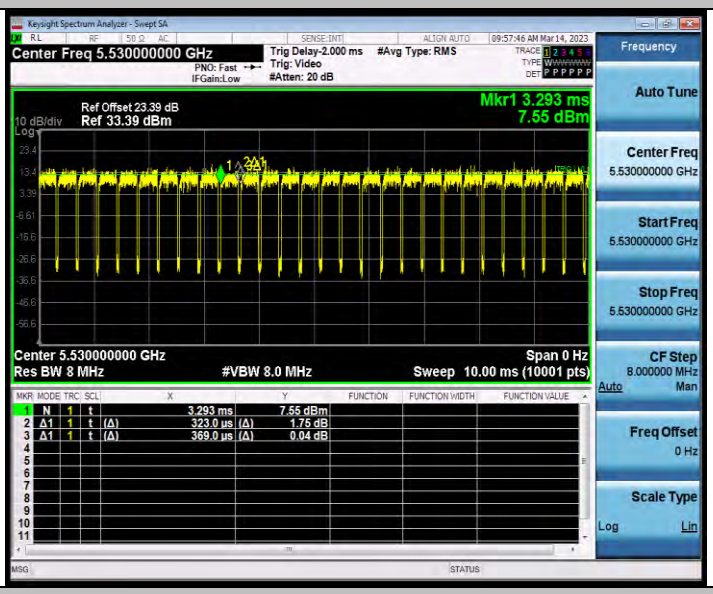

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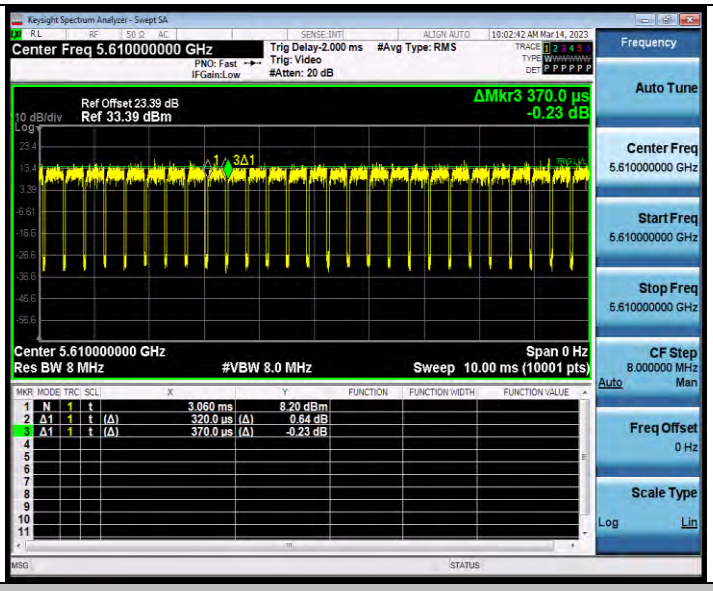
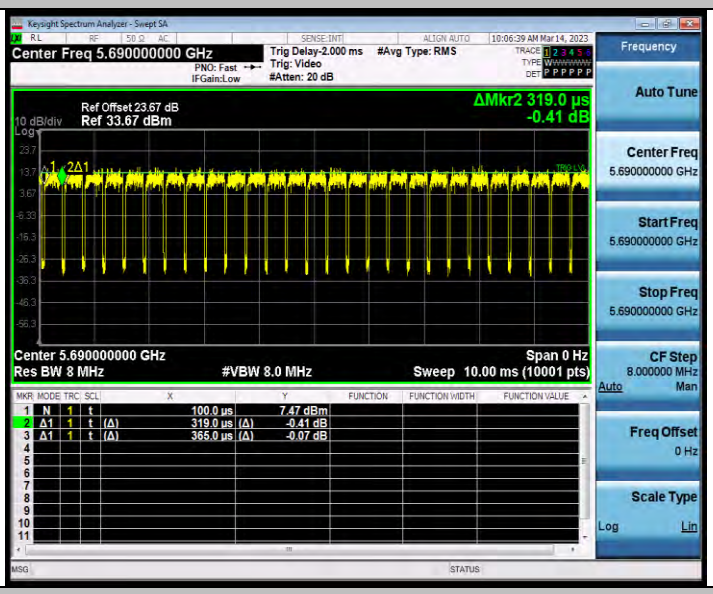
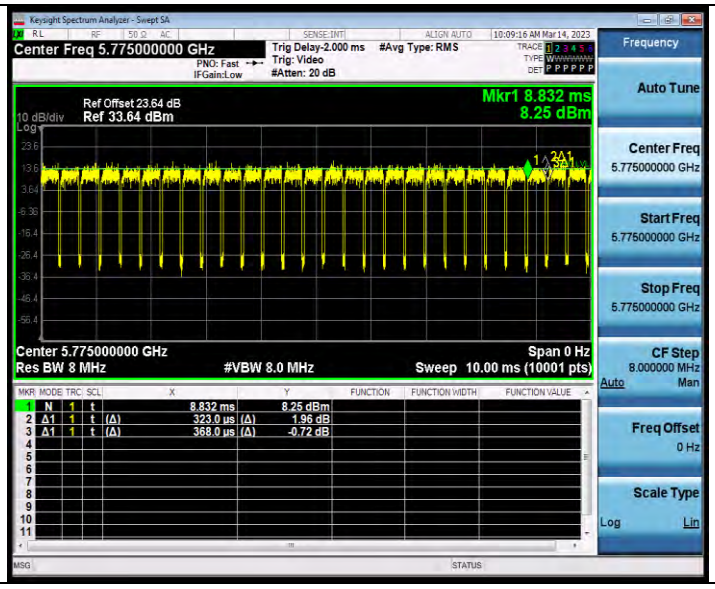


11AC80SISO_Ant1_5690



11AC80SISO_Ant1_5775


Keysight Spectrum Analyzer - Swept SA
Center Freq 5.775000000 GHz
Trig Delay-2.000 ms
#Avg Type: RMS
Trig: Video
#Atten: 20 dB
Ref Offset 23.64 dB
10 dB/div
Ref 33.64 dBm
Mkr1 8.832 ms
8.25 dBm
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 8.832 ms 8.25 dBm
2 Δ1 1 t (Δ) 323.0 µs (Δ) 1.96 dB
3 Δ1 1 t (Δ) 368.0 µs (Δ) -0.72 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	16.90	≤24.00	/	13.30	≤22.25	Pass	17
		5200	16.87	≤24.00	/	13.27	≤22.26	Pass	17
		5240	17.11	≤24.00	/	13.51	≤22.26	Pass	17
		5260	17.00	≤24.00	≤23.26	13.10	≤29.26	Pass	17
		5300	17.20	≤24.00	≤23.26	13.30	≤29.26	Pass	17
		5320	17.30	≤24.00	≤23.24	13.40	≤29.24	Pass	17
		5500	17.15	≤24.00	≤24.00	13.35	≤29.26	Pass	17
		5580	16.89	≤24.00	≤24.00	13.09	≤29.25	Pass	17
		5700	16.96	≤24.00	≤24.00	13.16	≤29.26	Pass	17
		5720_ UNII-2 C	17.07	≤24.00	≤24.00	13.27	≤22.26	Pass	17
		5720_ UNII-3	17.07	≤30.00	≤30.00	12.77	/	Pass	17
		5745	16.96	≤30.00	≤30.00	12.66	/	Pass	17
		5785	17.16	≤30.00	≤30.00	12.86	/	Pass	17
		5825	17.07	≤30.00	≤30.00	12.77	/	Pass	17
802.11n (HT20)	SISO	5180	16.29	≤24.00	/	12.69	≤22.54	Pass	16.5
		5200	16.30	≤24.00	/	12.7	≤22.56	Pass	16.5
		5240	15.98	≤24.00	/	12.38	≤22.56	Pass	16
		5260	16.04	≤24.00	≤23.55	12.14	≤24.00	Pass	16
		5300	15.97	≤24.00	≤23.55	12.07	≤29.55	Pass	16
		5320	15.96	≤24.00	≤23.53	12.06	≤29.53	Pass	16
		5500	16.03	≤24.00	≤23.55	12.23	≤29.55	Pass	16
		5580	15.94	≤24.00	≤23.53	12.14	≤29.53	Pass	16

		5700	16.00	≤24.00	≤23.55	12.20	≤29.55	Pass	16
		5720_UNII-2C	16.01	≤24.00	≤22.44	12.21	≤22.44	Pass	16
		5720_UNII-3	16.01	≤30.00	≤30.00	11.71	/	Pass	16
		5745	16.13	≤30.00	≤30.00	11.83	/	Pass	16
		5785	16.16	≤30.00	≤30.00	11.86	/	Pass	16
		5825	16.08	≤30.00	≤30.00	11.78	/	Pass	16
802.11n (HT40)	SISO	5190	15.23	≤24.00	/	11.63	≤23.01	Pass	15.5
		5230	15.21	≤24.00	/	11.61	≤23.01	Pass	15.5
		5270	15.42	≤24.00	≤24.00	11.52	≤30	Pass	15.5
		5310	15.38	≤24.00	≤24.00	11.48	≤30	Pass	15.5
		5510	15.31	≤24.00	≤24.00	11.51	≤30	Pass	15.5
		5550	15.35	≤24.00	≤24.00	11.55	≤30	Pass	15.5
		5670	15.28	≤24.00	≤24.00	11.48	≤30	Pass	15.5
		5710_UNII-2C	15.37	≤24.00	≤24.00	11.57	≤30	Pass	15.5
		5710_UNII-3	15.37	≤30.00	≤30.00	11.07	≤36	Pass	15.5
		5755	15.35	≤30.00	≤30.00	11.05	/	Pass	15.5
		5795	15.34	≤30.00	≤30.00	11.04	/	Pass	15.5
802.11ac (VHT20)	SISO	5180	16.28	≤24.00	/	12.68	≤22.54	Pass	16.5
		5200	16.25	≤24.00	/	12.65	≤22.55	Pass	16.5
		5240	16.28	≤24.00	/	12.68	≤22.56	Pass	16.5
		5260	16.34	≤24.00	≤23.55	12.44	≤24.00	Pass	16.5
		5300	16.02	≤24.00	≤23.55	12.12	≤29.55	Pass	16
		5320	16.02	≤24.00	≤23.55	12.12	≤29.55	Pass	16
		5500	16.07	≤24.00	≤23.55	12.27	<=29.55	Pass	16
		5580	16.22	≤24.00	≤23.55	12.42	≤29.55	Pass	16.5
		5700	16.30	≤24.00	≤23.54	12.50	≤29.54	Pass	16.5

802.11ac (VHT20)	SISO	5720_UNII-2C	15.99	≤24.00	≤22.44	12.19	≤21.44	Pass	16
		5720_UNII-3	15.99	≤30.00	≤30.00	11.69	/	Pass	16
		5745	15.89	≤30.00	≤30.00	11.59	/	Pass	16
		5785	15.96	≤30.00	≤30.00	11.66	/	Pass	16
		5825	16.15	≤30.00	≤30.00	11.85	/	Pass	16
802.11ac (VHT40)	SISO	5190	15.14	≤24.00	/	11.54	≤23.01	Pass	15.5
		5230	15.40	≤24.00	/	11.8	≤23.01	Pass	15.5
		5270	15.33	≤24.00	≤24.00	11.43	≤30	Pass	15.5
		5310	15.54	≤24.00	≤24.00	11.64	≤30	Pass	15.5
		5510	15.44	≤24.00	≤24.00	11.64	≤30	Pass	15.5
		5550	15.33	≤24.00	≤24.00	11.53	≤30	Pass	15.5
		5670	15.34	≤24.00	≤24.00	11.54	≤30	Pass	15.5
		5710_UNII-2C	15.45	≤24.00	≤24.00	11.65	≤30	Pass	15.5
		5710_UNII-3	15.45	≤30.00	≤30.00	11.15	/	Pass	15.5
		5755	15.44	≤30.00	≤30.00	11.14	/	Pass	15.5
		5795	15.42	≤30.00	≤30.00	11.12	/	Pass	15.5
802.11ac (VHT80)	SISO	5210	14.72	≤24.00	/	11.12	≤23.01	Pass	15
		5290	14.60	≤24.00	≤24.00	10.70	≤30.00	Pass	15
		5530	14.51	≤24.00	≤24.00	10.71	≤30.00	Pass	15
		5610	14.55	≤24.00	≤24.00	10.75	≤30.00	Pass	15
		5690_UNII-2C	14.44	≤24.00	≤24.00	10.33	≤30.00	Pass	14.5
		5690_UNII-3	14.44	≤30.00	≤30.00	10.14	/	Pass	14.5
		5775	14.54	≤30.00	≤30.00	10.24	/	Pass	14.5

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

SPOT CHECK

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	5320	17.10	≤24.00	≤23.24	13.20	≤29.24	Pass	17
		5785	16.85	≤30.00	≤30.00	12.55	/	Pass	17

MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

TestMode	Antenna	Frequency [MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	EIRP Result [dBm/MHz]	EIRP Limit [dBm/MHz]	Verdict
11A	Ant1	5180	8.18	≤11.00	4.58	≤10.00	PASS
		5200	8.33	≤11.00	4.73	≤10.00	PASS
		5240	8.82	≤11.00	5.22	≤10.00	PASS
		5260	8.49	≤11.00	-----	-----	PASS
		5300	8.67	≤11.00	-----	-----	PASS
		5320	8.72	≤11.00	-----	-----	PASS
		5500	8.62	≤11.00	-----	-----	PASS
		5580	8.66	≤11.00	-----	-----	PASS
		5700	8.34	≤11.00	-----	-----	PASS
		5720_UNII-2C	8.38	≤11.00	-----	-----	PASS
		5720_UNII-3	3.58	≤30.00	-----	-----	PASS
		5745	6.23	≤30.00	-----	-----	PASS
		5785	5.96	≤30.00	-----	-----	PASS
		5825	5.69	≤30.00	-----	-----	PASS
11N20SISO	Ant1	5180	7.39	≤11.00	3.79	≤10.00	PASS
		5200	7.55	≤11.00	3.95	≤10.00	PASS
		5240	7.38	≤11.00	3.78	≤10.00	PASS
		5260	7.29	≤11.00	-----	-----	PASS
		5300	7.56	≤11.00	-----	-----	PASS
		5320	7.65	≤11.00	-----	-----	PASS
		5500	7.09	≤11.00	-----	-----	PASS
		5580	7.2	≤11.00	-----	-----	PASS
		5700	6.98	≤11.00	-----	-----	PASS
		5720_UNII-2C	6.54	≤11.00	-----	-----	PASS
		5720_UNII-3	1.77	≤30.00	-----	-----	PASS
		5745	3.53	≤30.00	-----	-----	PASS

11N20SISO	Ant1	5785	3.4	≤30.00	-----	-----	PASS
		5825	3.41	≤30.00	-----	-----	PASS
11N40SISO	Ant1	5190	2.59	≤11.00	-1.01	≤10.00	PASS
		5230	3.01	≤11.00	-0.59	≤10.00	PASS
		5270	2.87	≤11.00	-----	-----	PASS
		5310	2.86	≤11.00	-----	-----	PASS
		5510	2.72	≤11.00	-----	-----	PASS
		5550	2.55	≤11.00	-----	-----	PASS
		5670	2.36	≤11.00	-----	-----	PASS
		5710_UNII-2C	2.36	≤11.00	-----	-----	PASS
		5710_UNII-3	-3.47	≤30.00	-----	-----	PASS
		5755	0.13	≤30.00	-----	-----	PASS
		5795	-0.37	≤30.00	-----	-----	PASS
11AC20SISO	Ant1	5180	6.75	≤11.00	3.15	≤10.00	PASS
		5200	6.66	≤11.00	3.06	≤10.00	PASS
		5240	7.18	≤11.00	3.58	≤10.00	PASS
		5260	7.12	≤11.00	-----	-----	PASS
		5300	6.16	≤11.00	-----	-----	PASS
		5320	6.25	≤11.00	-----	-----	PASS
		5500	6.15	≤11.00	-----	-----	PASS
		5580	6.48	≤11.00	-----	-----	PASS
		5700	6.39	≤11.00	-----	-----	PASS
		5720_UNII-2C	6.14	≤11.00	-----	-----	PASS
		5720_UNII-3	1.18	≤30.00	-----	-----	PASS
		5745	4.01	≤30.00	-----	-----	PASS
		5785	3.84	≤30.00	-----	-----	PASS
		5825	3.15	≤30.00	-----	-----	PASS
11AC40SISO	Ant1	5190	2.87	≤11.00	-0.73	≤10.00	PASS
		5230	3.03	≤11.00	-0.57	≤10.00	PASS
		5270	3.04	≤11.00	-----	-----	PASS
		5310	2.82	≤11.00	-----	-----	PASS

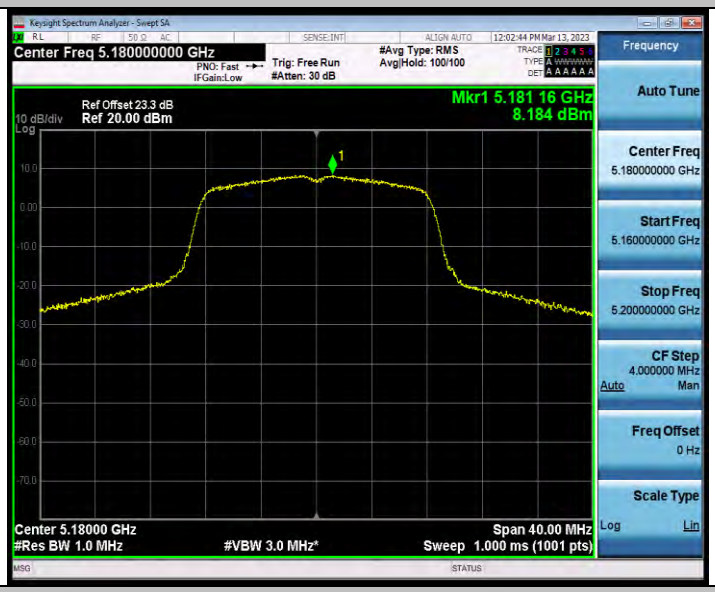
11AC40SISO	Ant1	5510	2.93	≤11.00	-----	-----	PASS
		5550	2.87	≤11.00	-----	-----	PASS
		5670	2.18	≤11.00	-----	-----	PASS
		5710_UNII-2C	2.55	≤11.00	-----	-----	PASS
		5710_UNII-3	-3.81	≤30.00	-----	-----	PASS
		5755	-0.08	≤30.00	-----	-----	PASS
		5795	-0.21	≤30.00	-----	-----	PASS
11AC80SISO	Ant1	5210	-1.23	≤11.00	-4.83	≤10.00	PASS
		5290	-0.84	≤11.00	-----	-----	PASS
		5530	-1.34	≤11.00	-----	-----	PASS
		5610	-1.58	≤11.00	-----	-----	PASS
		5690_UNII-2C	-1.62	≤11.00	-----	-----	PASS
		5690_UNII-3	-7.26	≤30.00	-----	-----	PASS
		5775	-4.24	≤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(2.22dbm) is compensated in the graph.

TEST GRAPHS

11A_Ant1_5180



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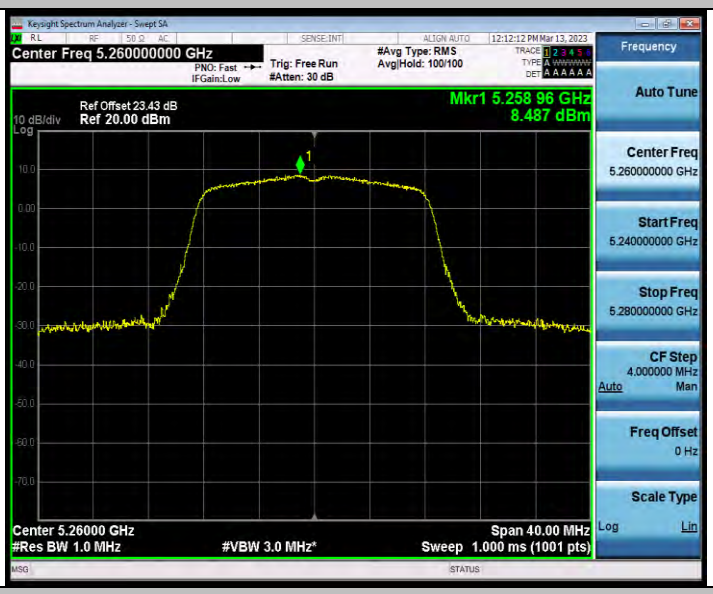
11A_Ant1_5240

11A_Ant1_5260



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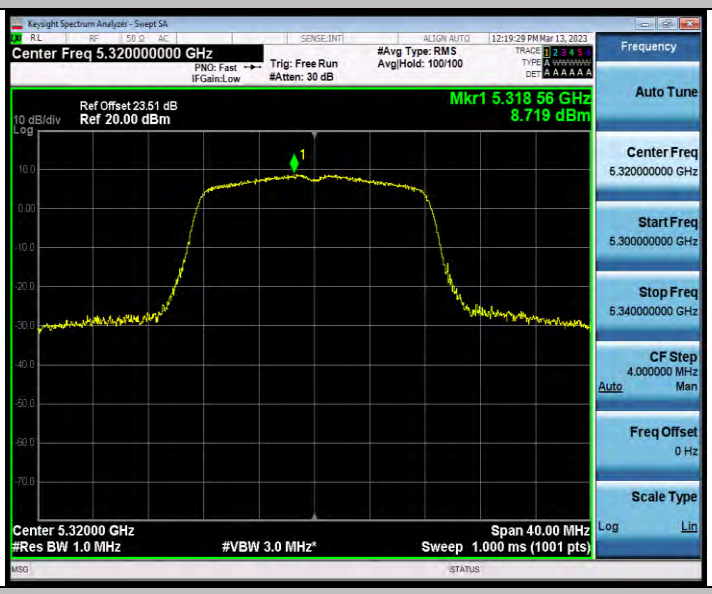

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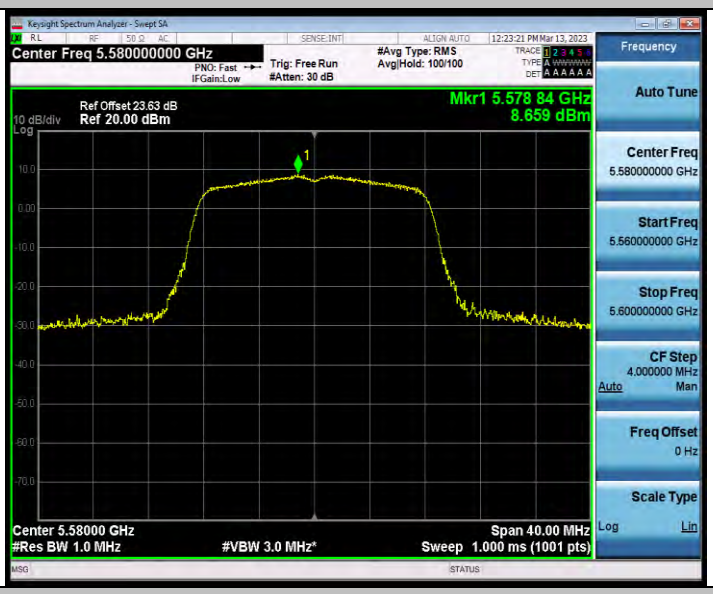
11A_Ant1_5580



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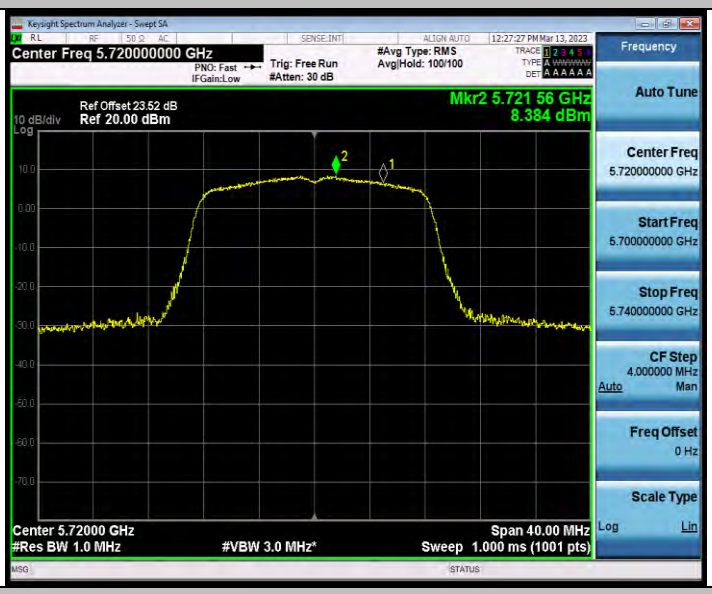

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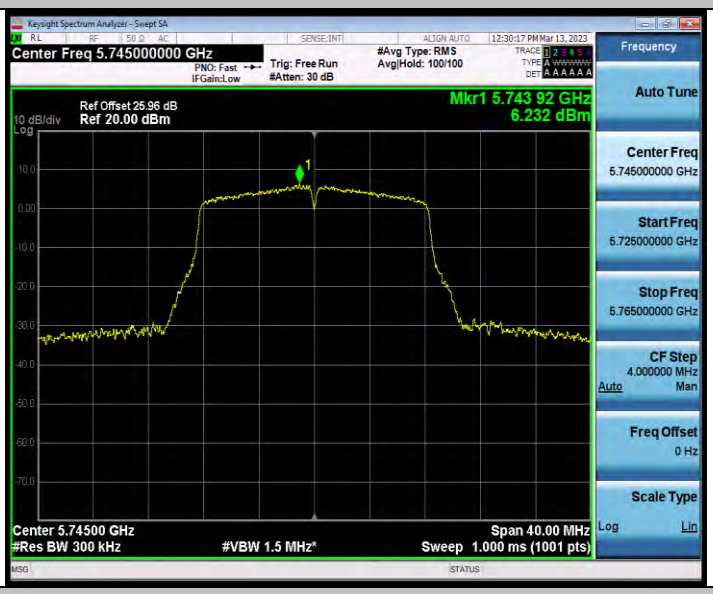
11A_Ant1_5745



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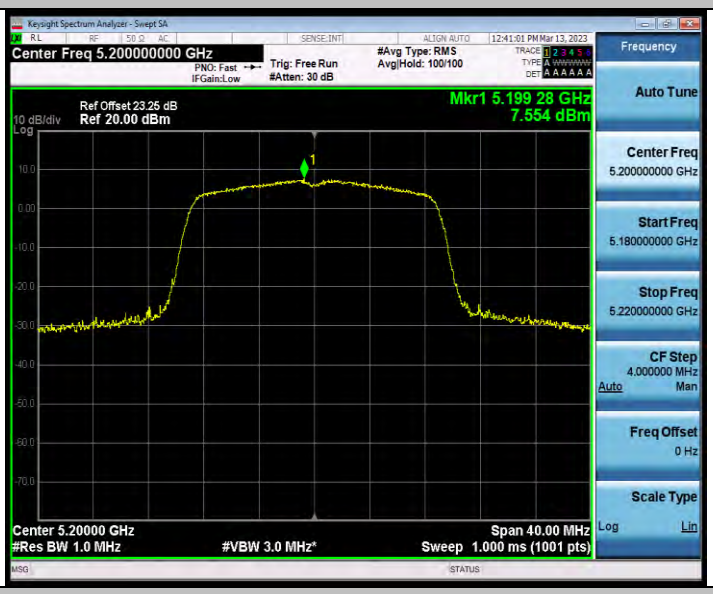
11A_Ant1_5825

11N20SISO_Ant1_5180

11N20SISO_Ant1_5200



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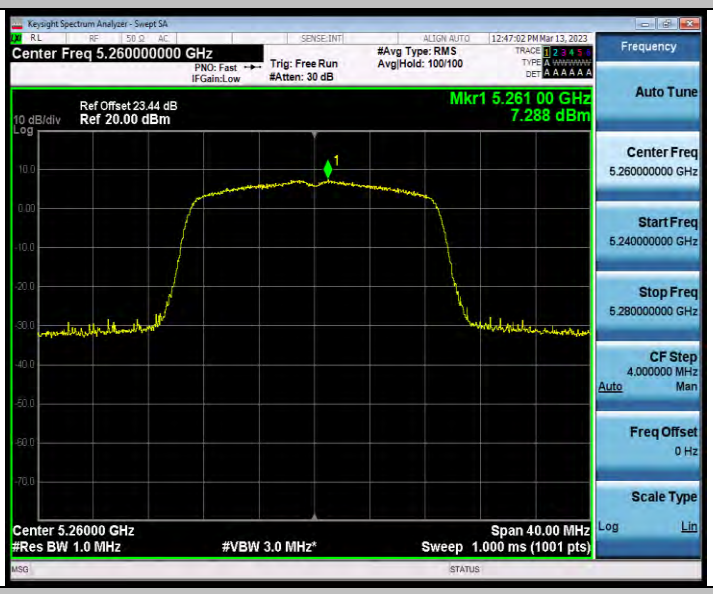

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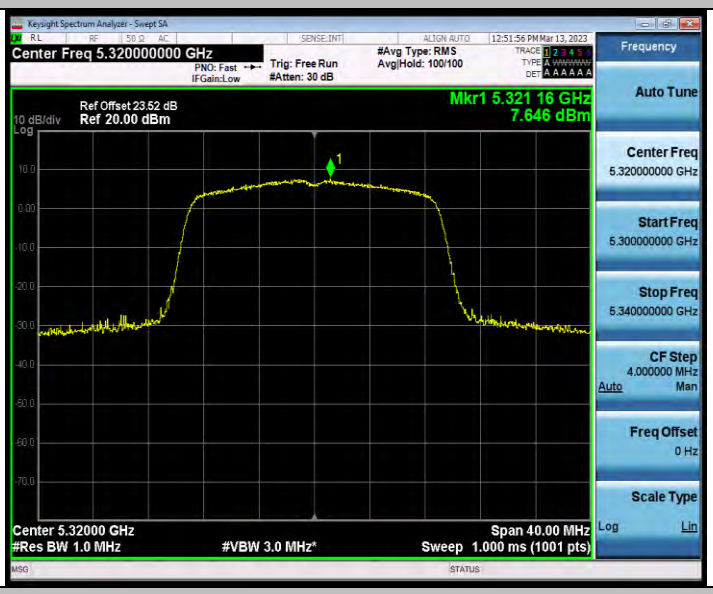

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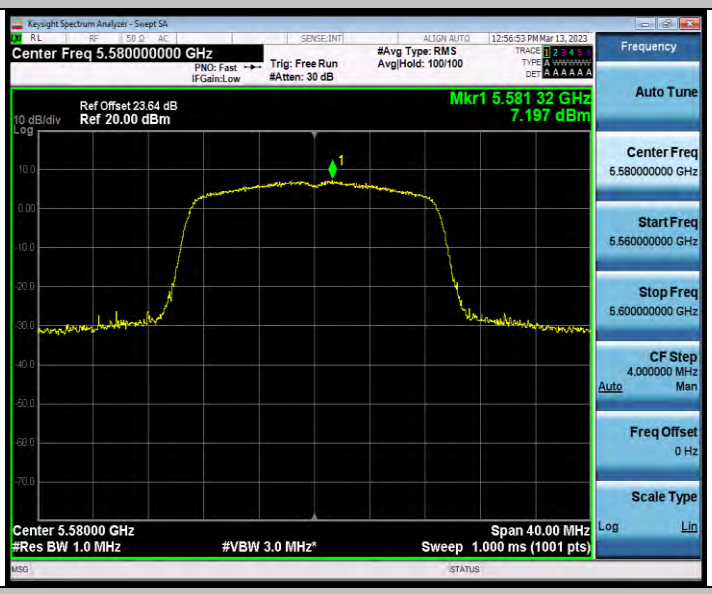

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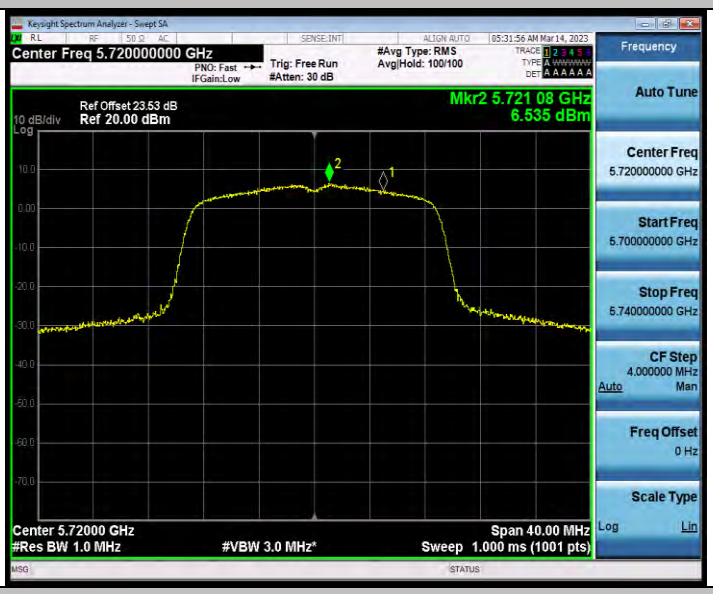
11N20SISO_Ant1_5720_UNII-2C



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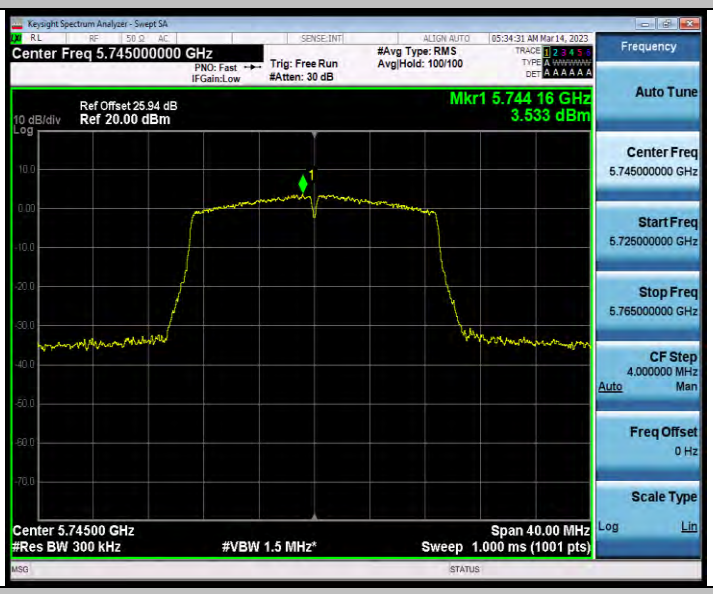

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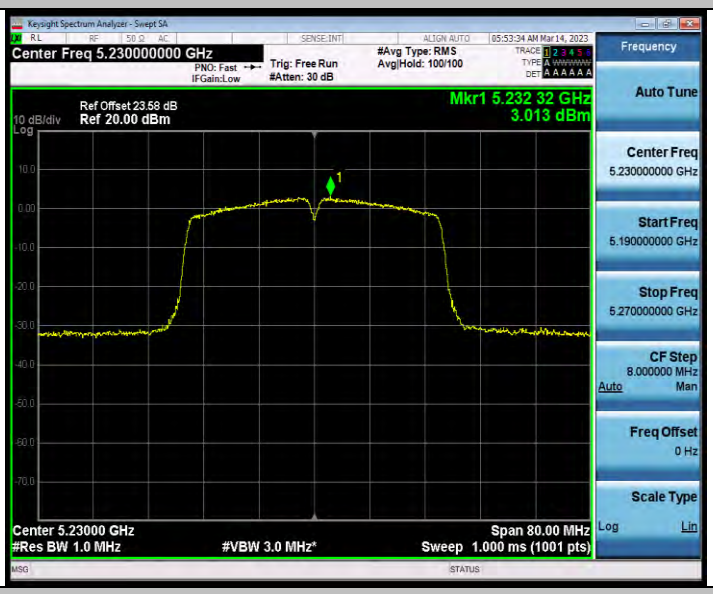
11N20SISO_Ant1_5825

11N40SISO_Ant1_5190

11N40SISO_Ant1_5230



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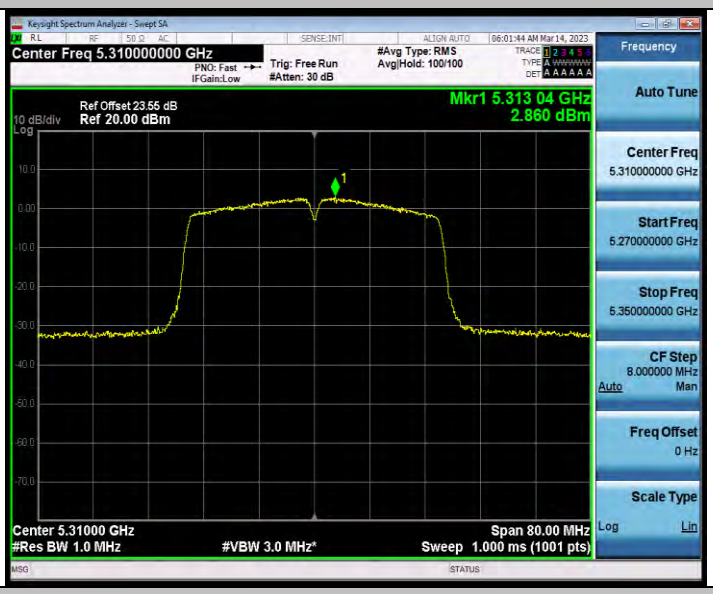
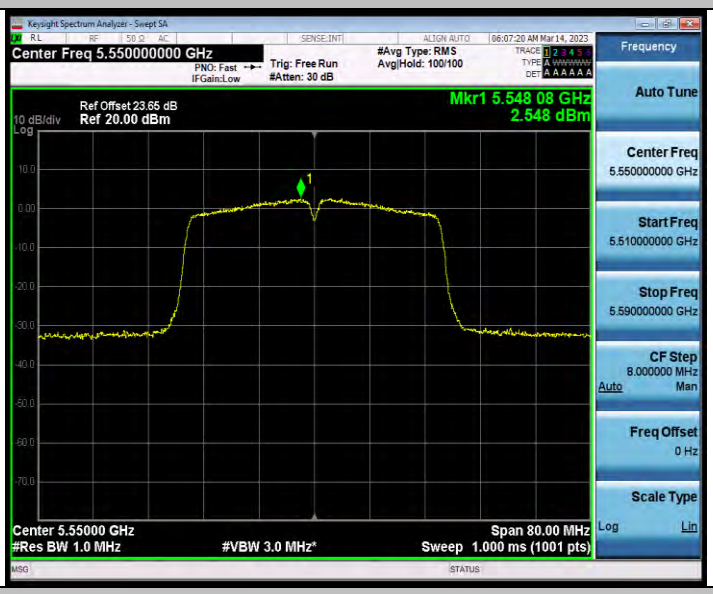


11N40SISO_Ant1_5510

11N40SISO_Ant1_5550



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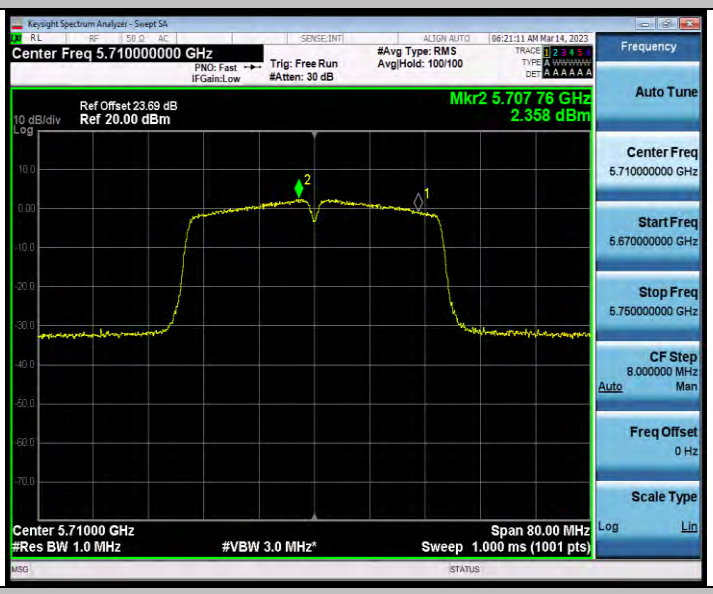

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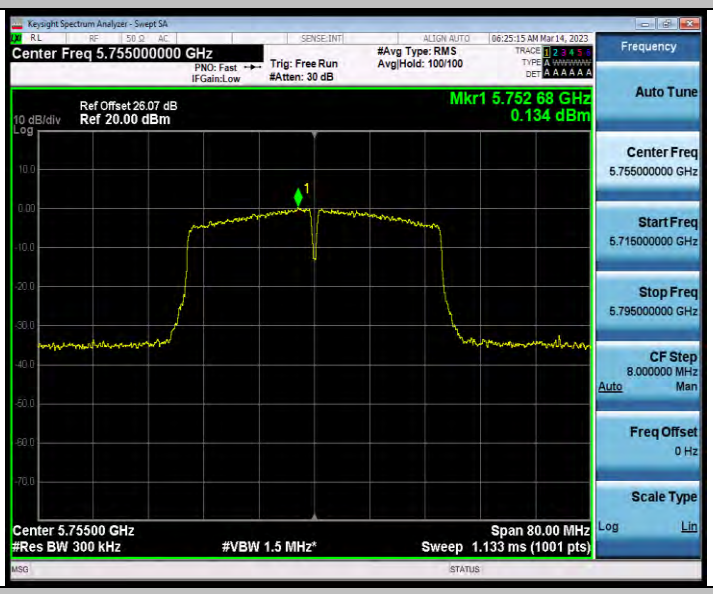
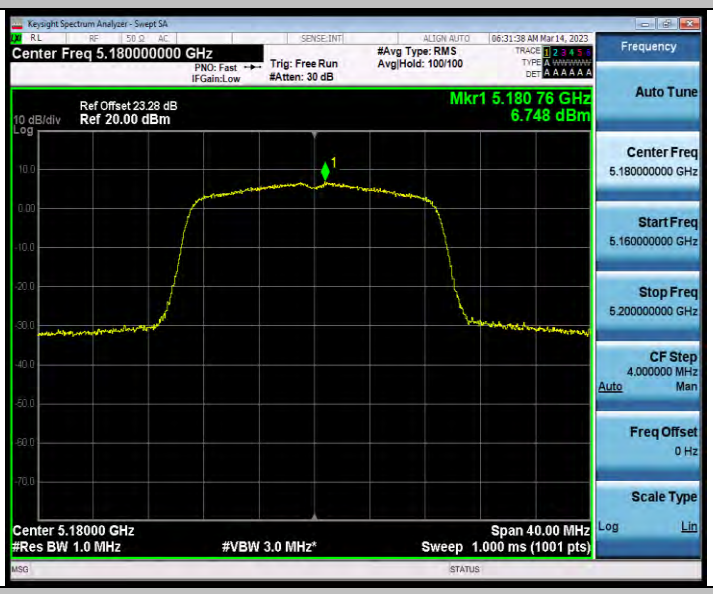
11N40SISO_Ant1_5755



11N40SISO_Ant1_5795

11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200

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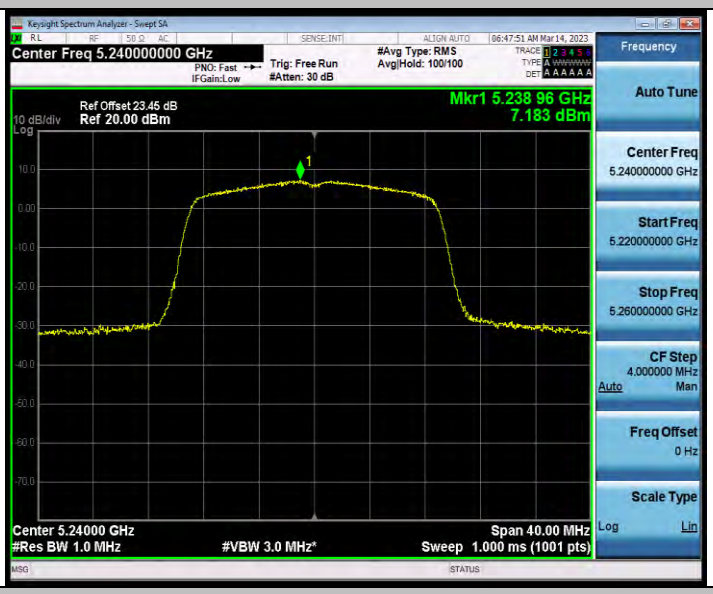

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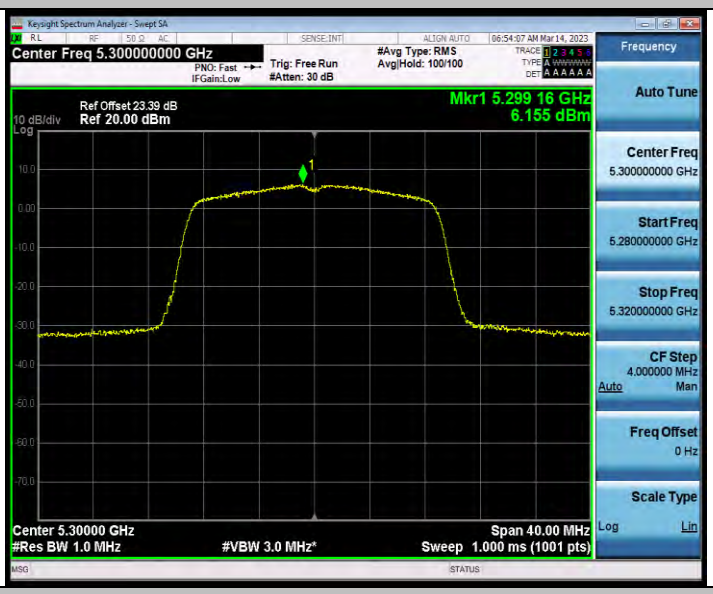
11AC20SISO_Ant1_5300



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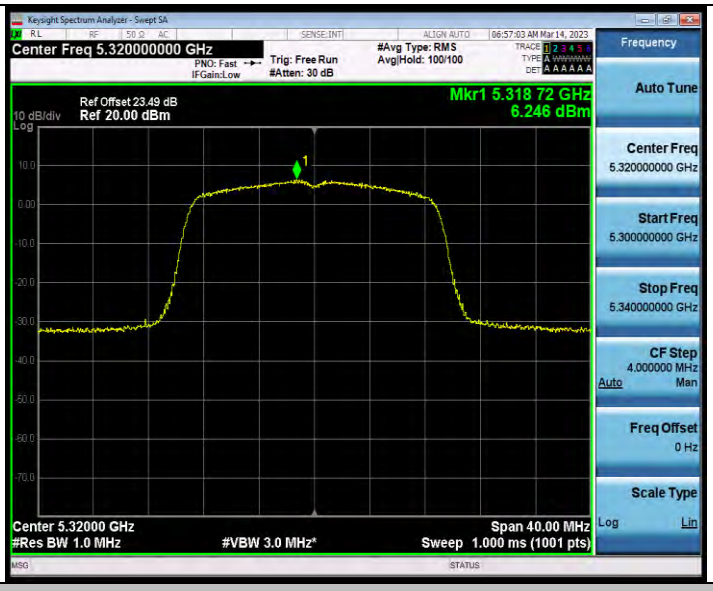

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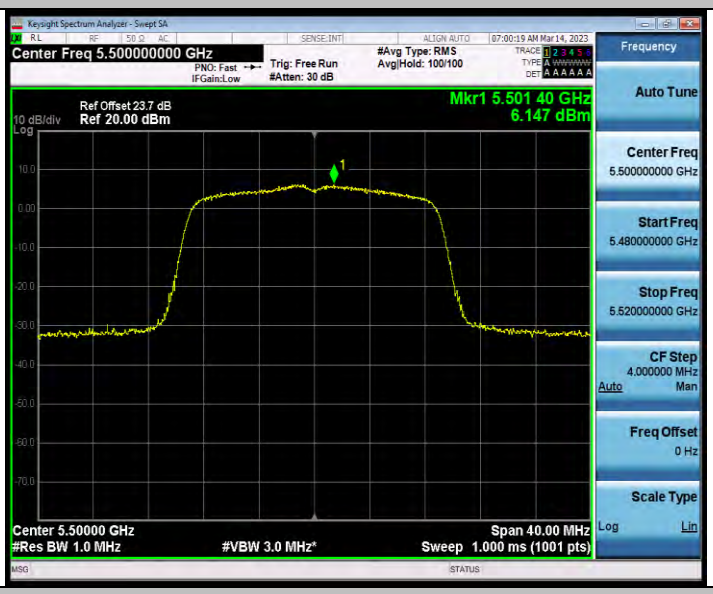

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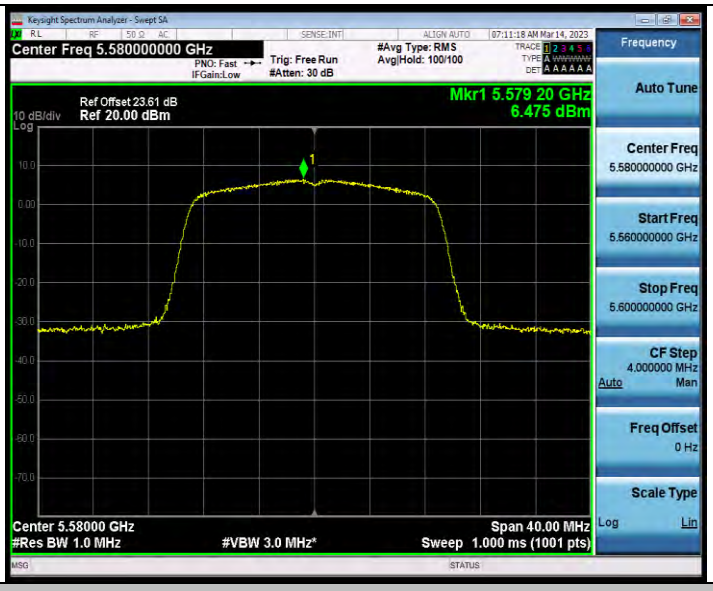

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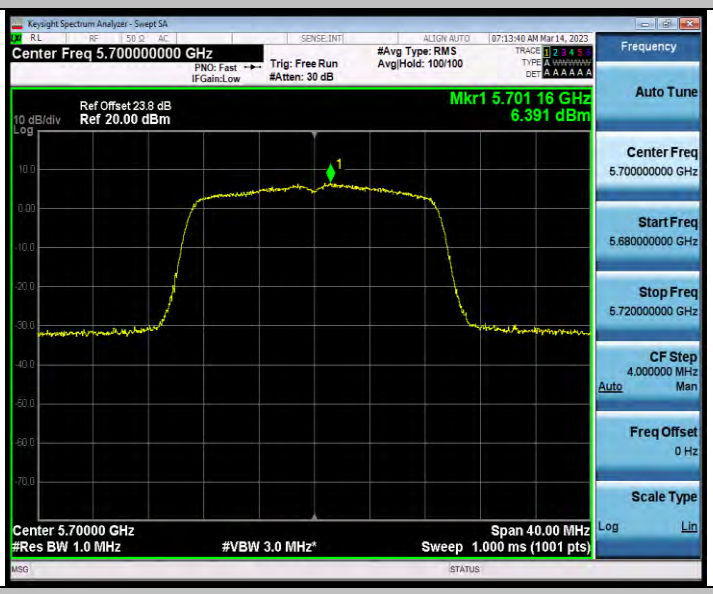

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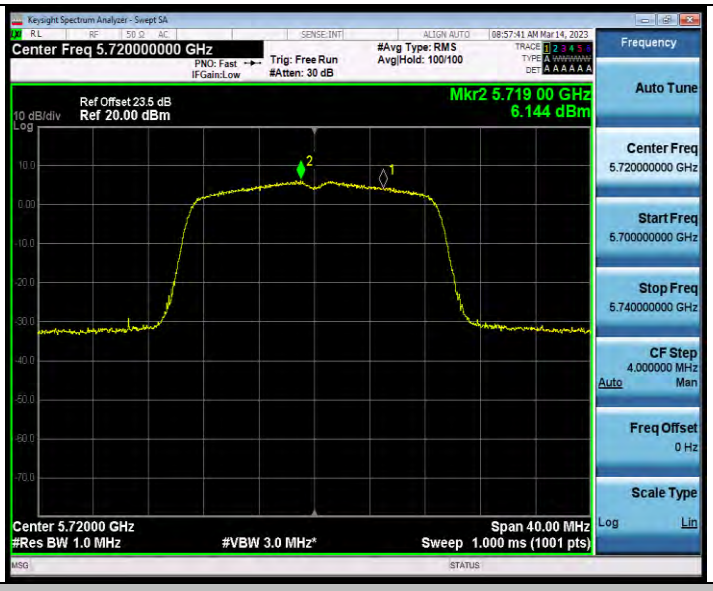

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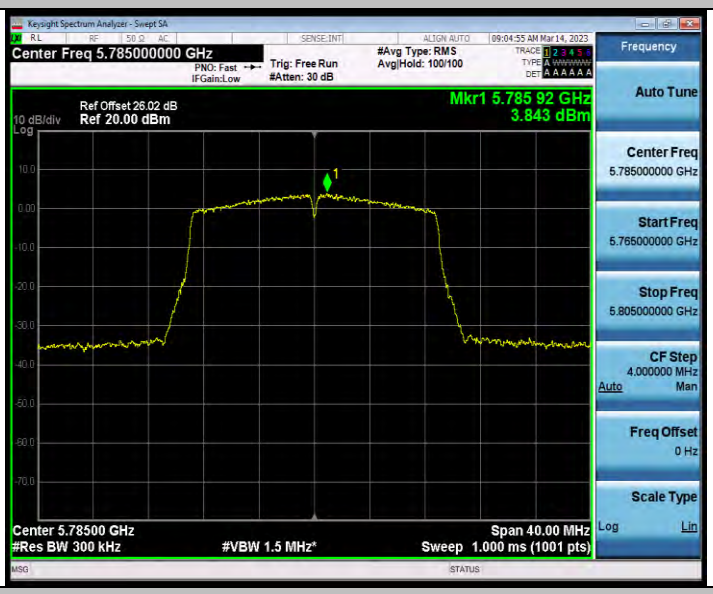
11AC20SISO_Ant1_5785



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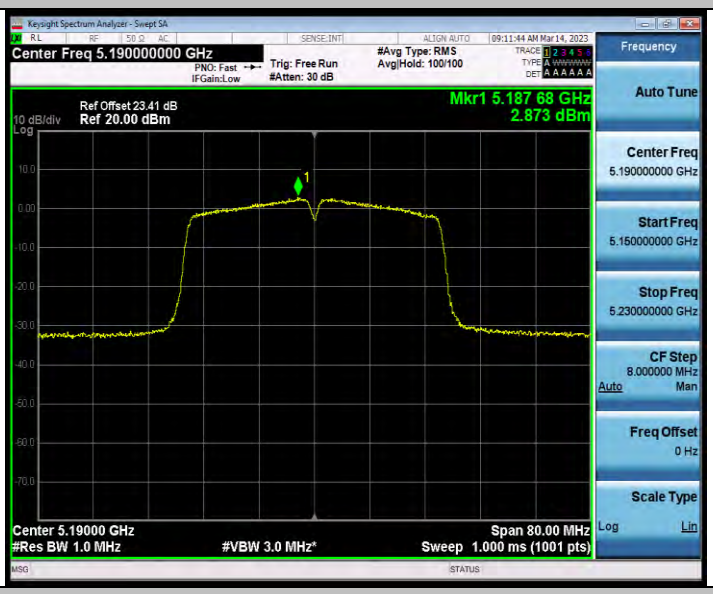
11AC40SISO_Ant1_5190



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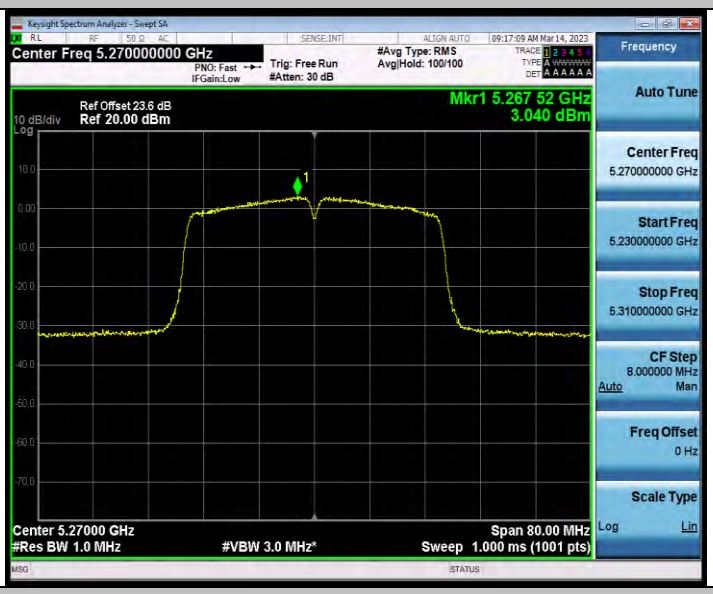
11AC40SISO_Ant1_5270



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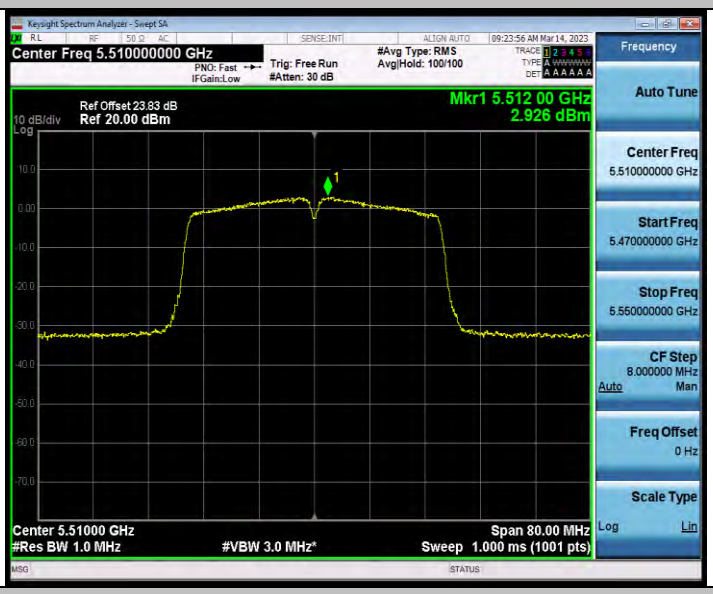
11AC40SISO_Ant1_5510



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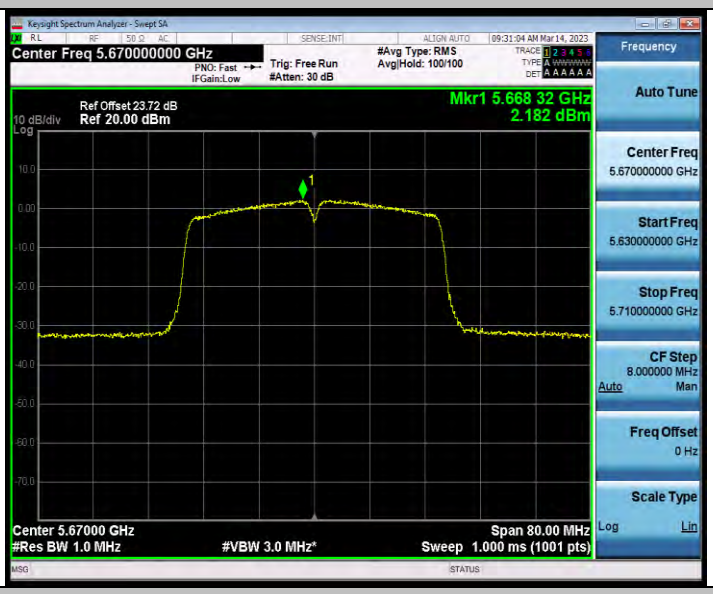
11AC40SISO_Ant1_5670



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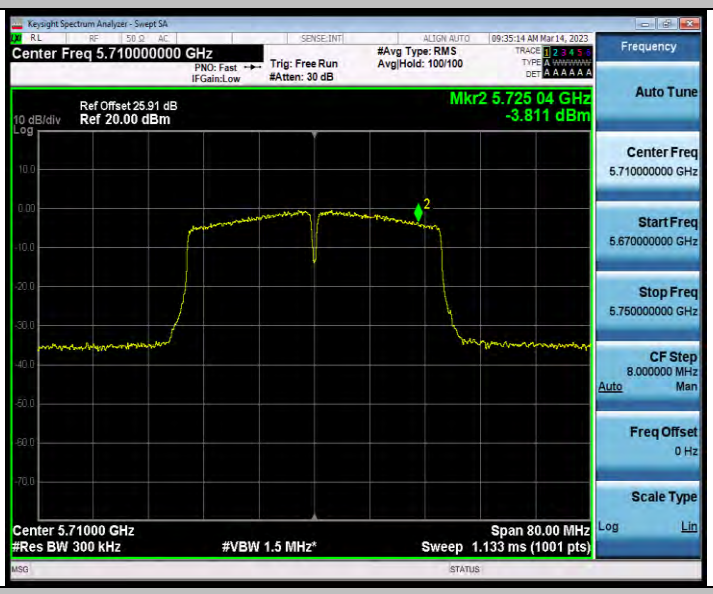
11AC40SISO_Ant1_5710_UNII-3



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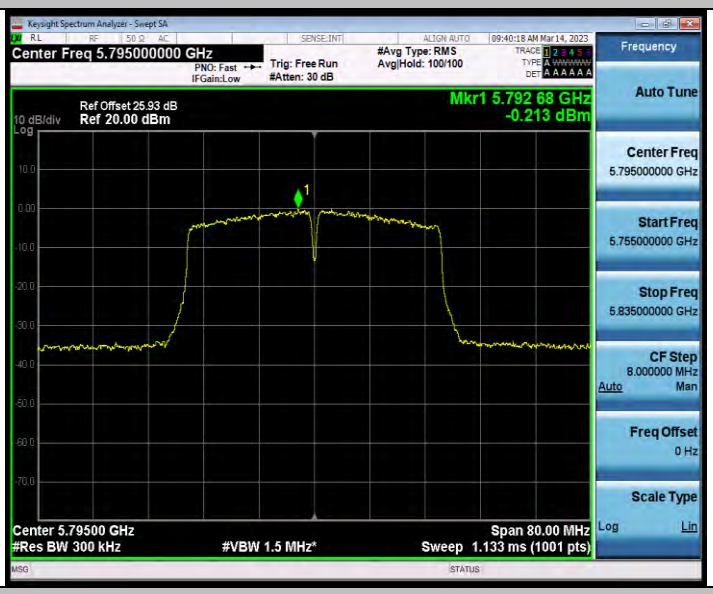

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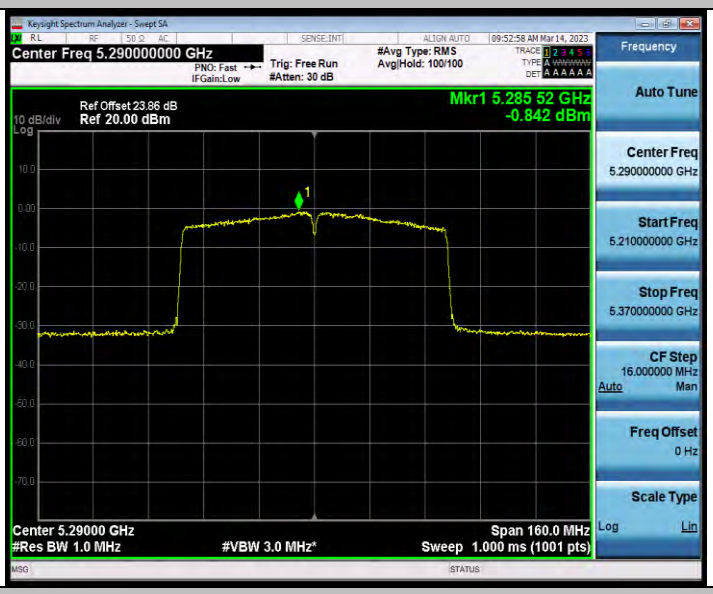

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