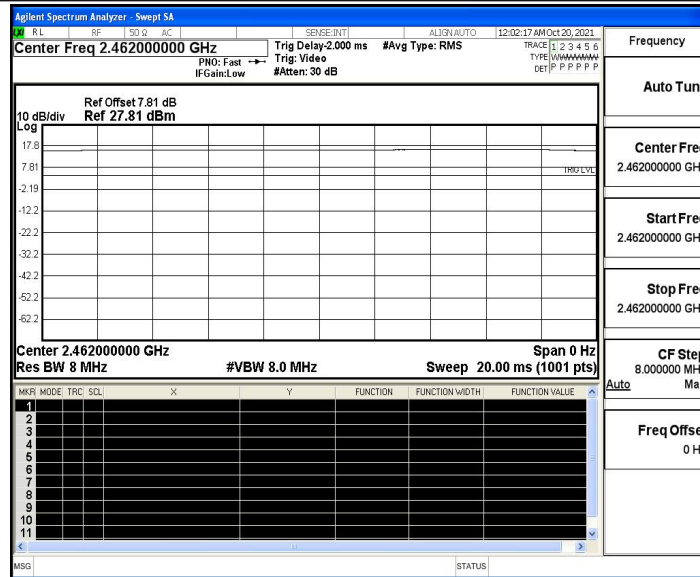
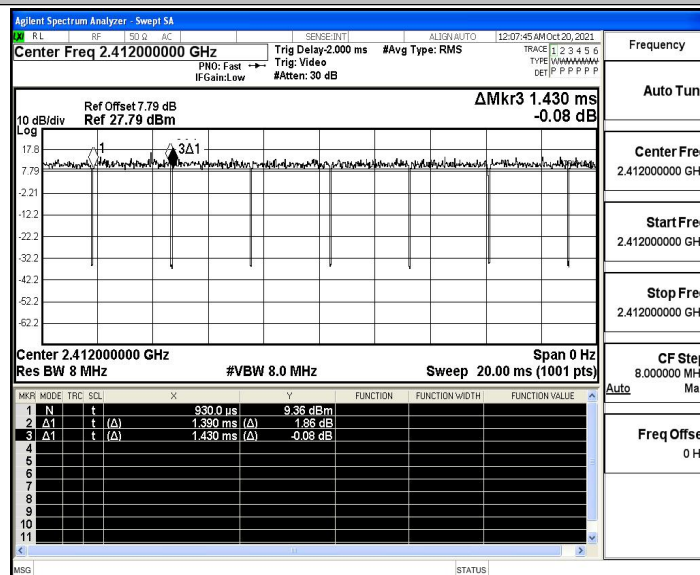
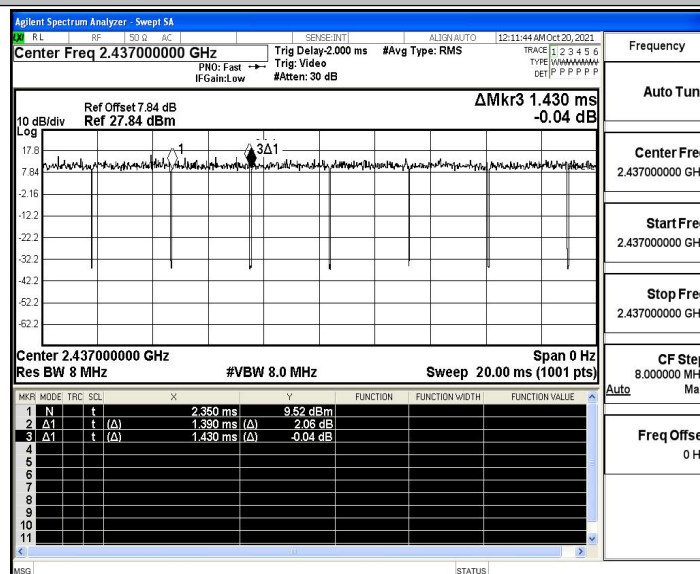


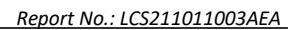


11G_Ant1_2412



11G_Ant1_2437





Agilent Spectrum Analyzer - Sweep SA

F L RF SO G AC MODE: INT ALGN: AUTO 12:14:25 AM Oct 20, 2021

Center Freq 2.462000000 GHz Trig Delay: 2.000 ms #Avg Type: RMS TRACE [1 2 3 4 5 6]
PNO: Fast Trig: Video TYPE: UNWAV
IF Gain: Low #Att: 30 dB DEF: P P P P P

Frequency
 Auto Tun

Center Freq
 2.462000000 GHz

Start Freq
 2.462000000 GHz

Stop Freq
 2.462000000 GHz

CF Step
 8.000000 MHz

Auto
 Manual

Freq Offset
 0 Hz

Ref Offset 7.81 dB
 Ref 27.81 dBm

ΔMkr3 1.430 ms
-0.13 dB

10 dB/div
 Log

Center 2.462000000 GHz
 Res BW 8 MHz
 #VBW 8.0 MHz
 Span 0 Hz
 Sweep 20.00 ms (1001 pts)

MKR	MODE	TRC	SQ	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	t		7.880 ms	8.44 dBm			
2	Δ1	t	(Δ)	1.390 ms (Δ)	3.02 dB			
3	Δ1	t	(Δ)	1.430 ms (Δ)	-0.13 dB			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Agilent Spectrum Analyzer - Sweep SA

F L RF 50 G AC SERIES: INT1 ALGN: AUTO 12:18:25 AM Oct 20, 2021

Center Freq 2.412000000 GHz Trig Delay: 2.000 ms #Avg Type: RMS TRACE [1] 2 3 4 5 6
PHO: Fast Trig: Video TYPE: DMM DEF: P P P P P
IF Gain: Low #Atten: 30 dB

Ref Offset 7.79 dB **ΔMkr3 1.340 ms**
Ref 27.79 dBm **-0.12 dB**

10 dB/div Log
 17.8
 7.79
 -2.21
 -12.2
 -22.2
 -32.2
 -42.2
 -52.2
 -62.2

Center 2.412000000 GHz Span 0 Hz
Res BW 8 MHz #VBW 8.0 MHz Sweep 20.00 ms (1001 pts)

MKR	MODE	TRC	SQL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N			8.530 ms	7.75 dBm			
2	A1		t (Δ)	1.300 ms (Δ)	2.31 dB			
3	A1		t (Δ)	1.340 ms (Δ)	-0.12 dB			
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tun

Center Fre
2.412000000 GHz

Start Fre
2.412000000 GHz

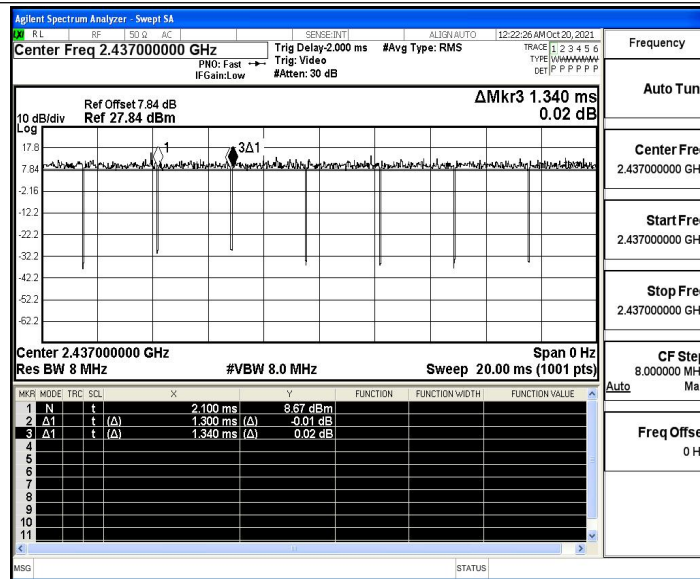
Stop Fre
2.412000000 GHz

CF Ste
8.000000 MHz

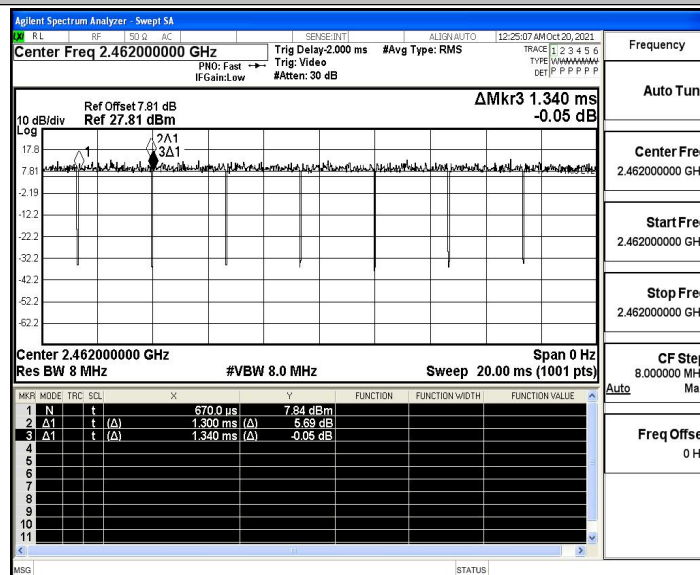
Auto Ma

Freq Offse
0 Hz

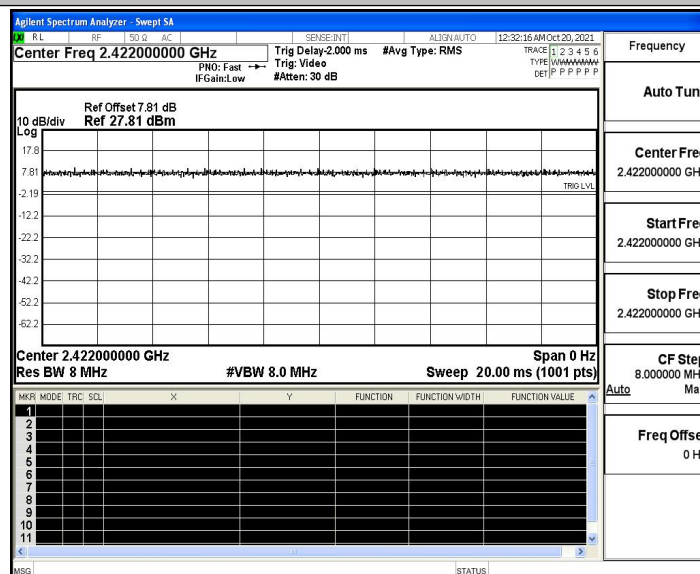
38



11N20SISO_Ant1_2462

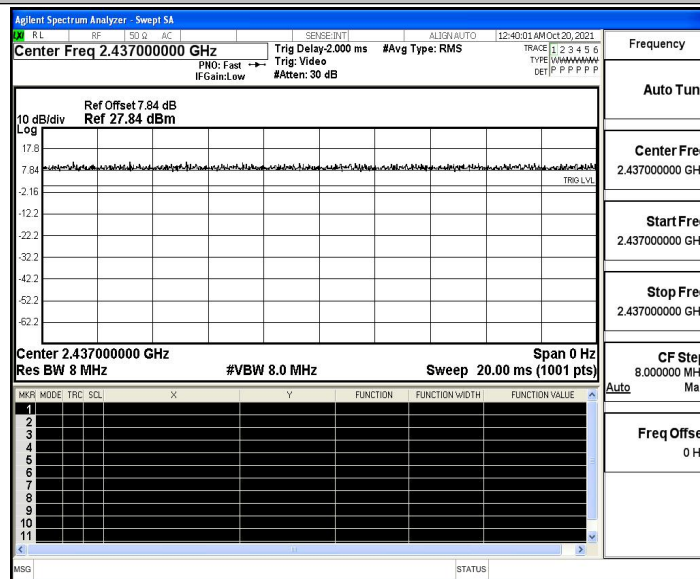


11N40SISO_Ant1_2422

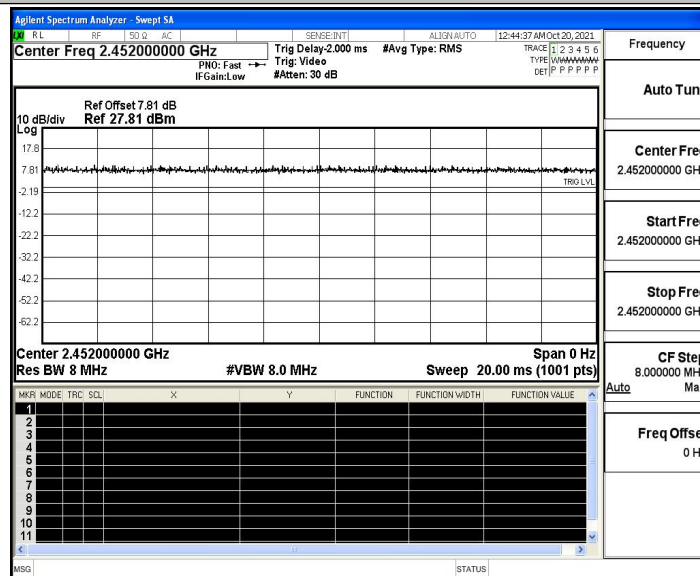




11N40SISO_Ant1_2437



11N40SISO_Ant1_2452





A.7 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-49.49	≤-41.20	45.71	≤54	PASS
				AV	2384.760	-48.99	≤-41.20	46.21	≤54	PASS
				AV	2390.000	-49.06	≤-41.20	46.14	≤54	PASS
				Peak	2310.000	-44.59	≤-21.20	50.61	≤74	PASS
				Peak	2383.720	-39.83	≤-21.20	55.37	≤74	PASS
				Peak	2390.000	-42.48	≤-21.20	52.72	≤74	PASS
		High	2462	AV	2483.500	-48.43	≤-41.20	46.77	≤54	PASS
				AV	2488.070	-47.19	≤-41.20	48.01	≤54	PASS
				AV	2500.000	-48.56	≤-41.20	46.64	≤54	PASS
				Peak	2483.500	-42.39	≤-21.20	52.81	≤74	PASS
				Peak	2488.290	-38.96	≤-21.20	56.24	≤74	PASS
				Peak	2500.000	-41.01	≤-21.20	54.19	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-48.92	≤-41.20	46.28	≤54	PASS
				AV	2389.830	-48.41	≤-41.20	46.79	≤54	PASS
				AV	2390.000	-48.44	≤-41.20	46.76	≤54	PASS
				Peak	2310.000	-43.22	≤-21.20	51.98	≤74	PASS
				Peak	2374.230	-38.8	≤-21.20	56.40	≤74	PASS
				Peak	2390.000	-41.5	≤-21.20	53.70	≤74	PASS
		High	2462	AV	2483.500	-47.4	≤-41.20	47.80	≤54	PASS
				AV	2487.960	-45.6	≤-41.20	49.60	≤54	PASS
				AV	2500.000	-48.03	≤-41.20	47.17	≤54	PASS
				Peak	2483.500	-41.62	≤-21.20	53.58	≤74	PASS
				Peak	2488.070	-37.51	≤-21.20	57.69	≤74	PASS
				Peak	2500.000	-40.98	≤-21.20	54.22	≤74	PASS
11N20SIS O	Ant1	Low	2412	AV	2310.000	-49.07	≤-41.20	46.13	≤54	PASS
				AV	2384.500	-48.42	≤-41.20	46.78	≤54	PASS
				AV	2390.000	-48.59	≤-41.20	46.61	≤54	PASS
				Peak	2310.000	-41.62	≤-21.20	53.58	≤74	PASS
				Peak	2364.610	-39.6	≤-21.20	55.60	≤74	PASS
				Peak	2390.000	-41.11	≤-21.20	54.09	≤74	PASS
		High	2462	AV	2483.500	-47.57	≤-41.20	47.63	≤54	PASS
				AV	2487.960	-45.51	≤-41.20	49.69	≤54	PASS
				AV	2500.000	-48.09	≤-41.20	47.11	≤54	PASS
				Peak	2483.500	-40.06	≤-21.20	55.14	≤74	PASS
				Peak	2493.350	-38.3	≤-21.20	56.90	≤74	PASS
				Peak	2500.000	-41.35	≤-21.20	53.85	≤74	PASS



11N40SIS O	Ant1	Low	2422	AV	2310.000	-49.52	≤-41.20	45.68	≤54	PASS
				AV	2389.960	-49.04	≤-41.20	46.16	≤54	PASS
				AV	2390.000	-49.04	≤-41.20	46.16	≤54	PASS
				Peak	2310.000	-43.88	≤-21.20	51.32	≤74	PASS
				Peak	2388.530	-38.82	≤-21.20	56.38	≤74	PASS
				Peak	2390.000	-43.29	≤-21.20	51.91	≤74	PASS
		High	2452	AV	2483.500	-48.11	≤-41.20	47.09	≤54	PASS
				AV	2485.100	-48.06	≤-41.20	47.14	≤54	PASS
				AV	2500.000	-48.54	≤-41.20	46.66	≤54	PASS
				Peak	2483.500	-42.91	≤-21.20	52.29	≤74	PASS
				Peak	2496.870	-39.44	≤-21.20	55.76	≤74	PASS
				Peak	2500.000	-42.85	≤-21.20	52.35	≤74	PASS

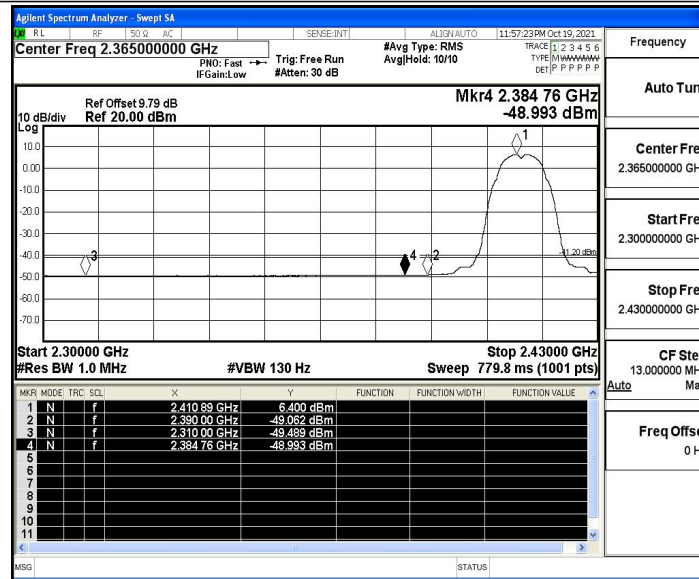
Note:

1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

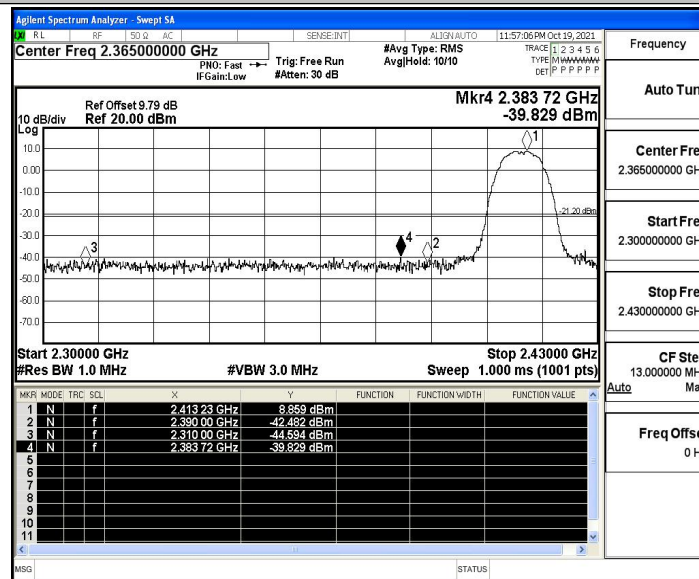


Test Graphs

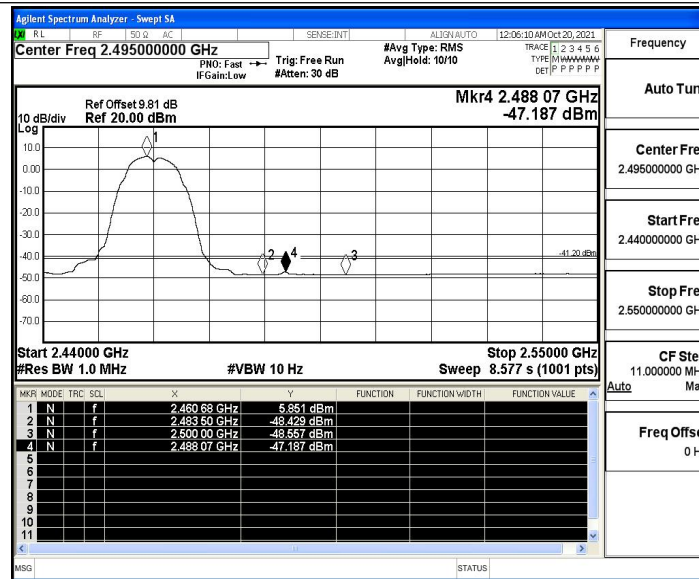
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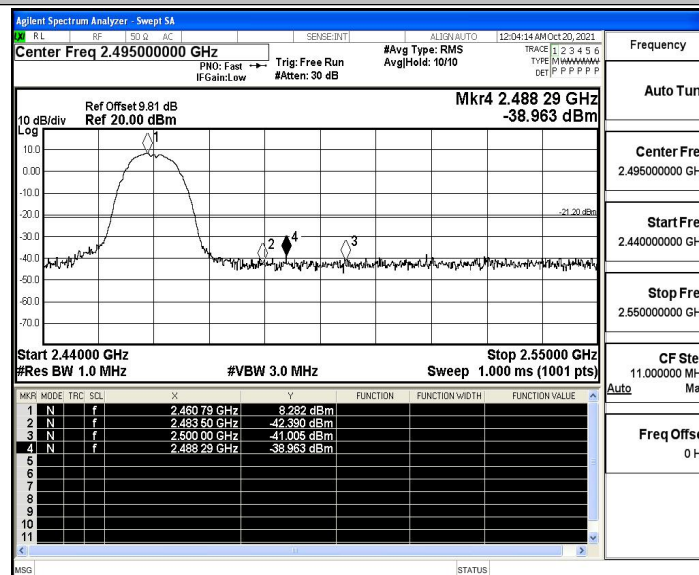
11B_Ant1_Low_2412_Peak



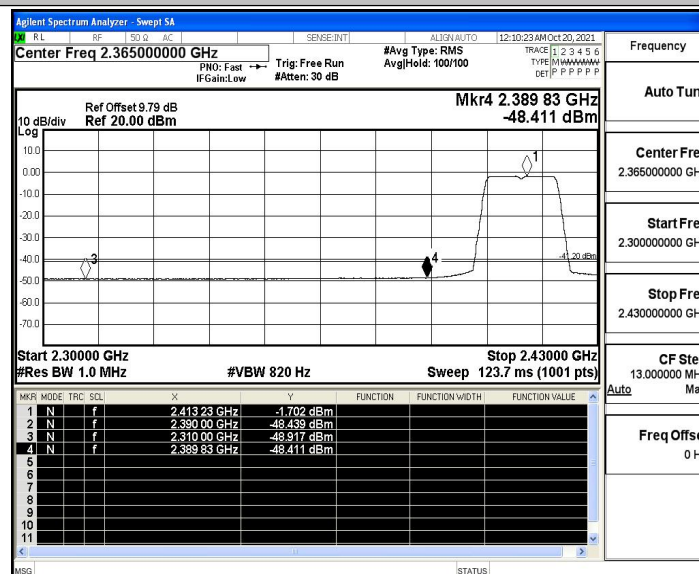
11B_Ant1_High_2462_AV



11B_Ant1_High_2462_Peak

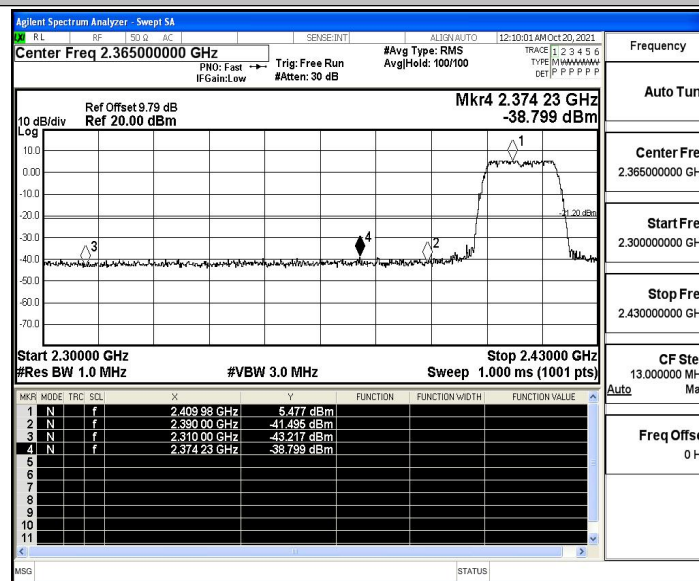


11G_Ant1_Low_2412_AV

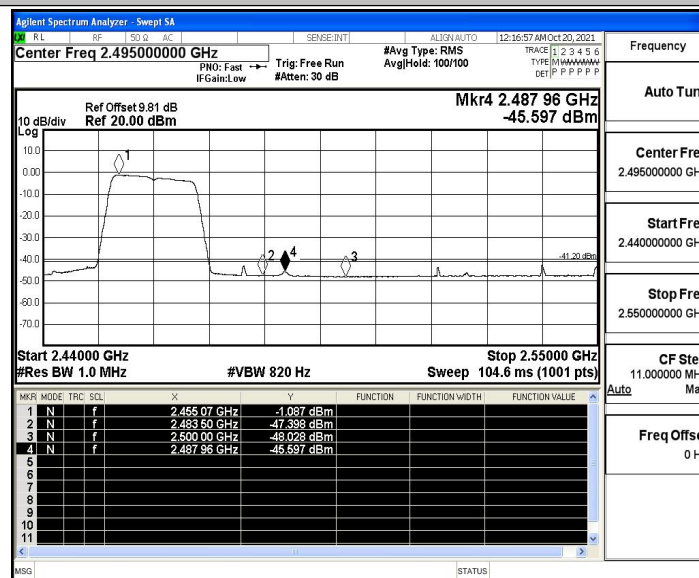




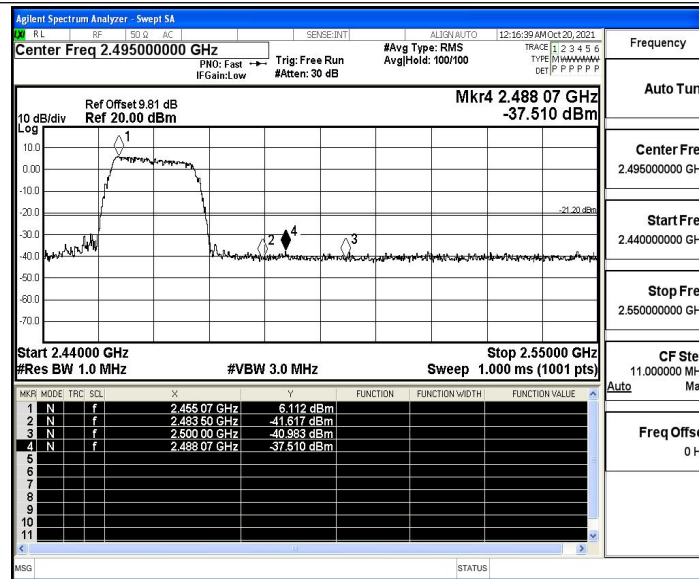
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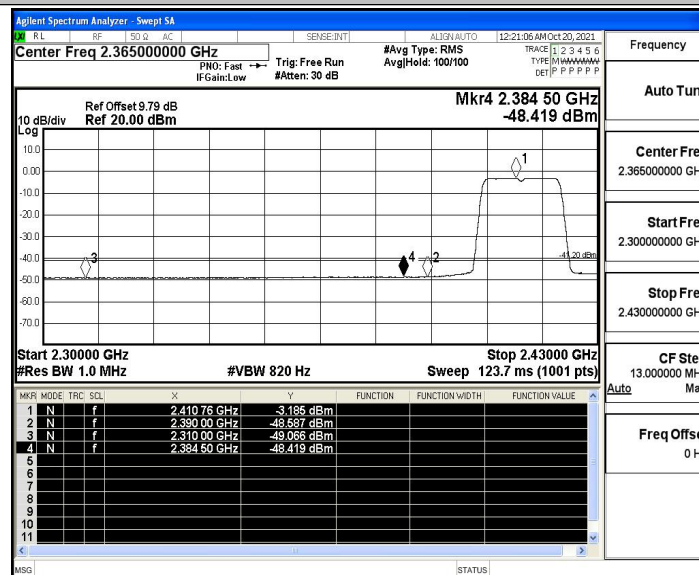
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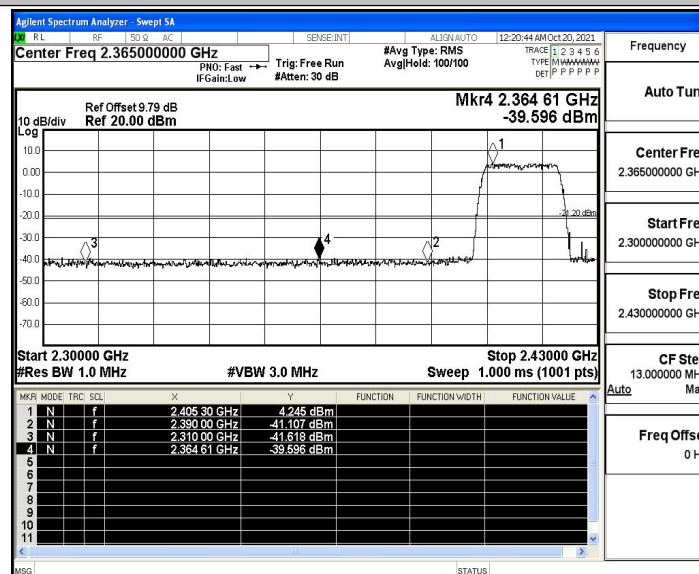
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11N20SISO_Ant1_Low_2412_AV

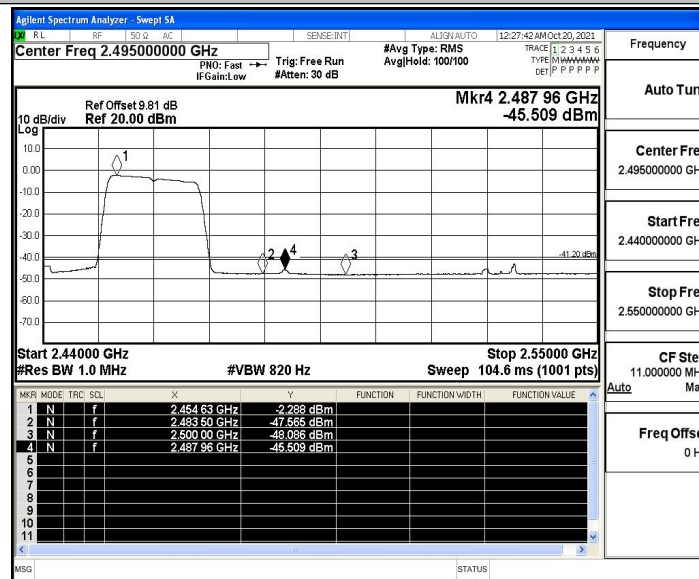


11N20SISO_Ant1_Low_2412_Peak

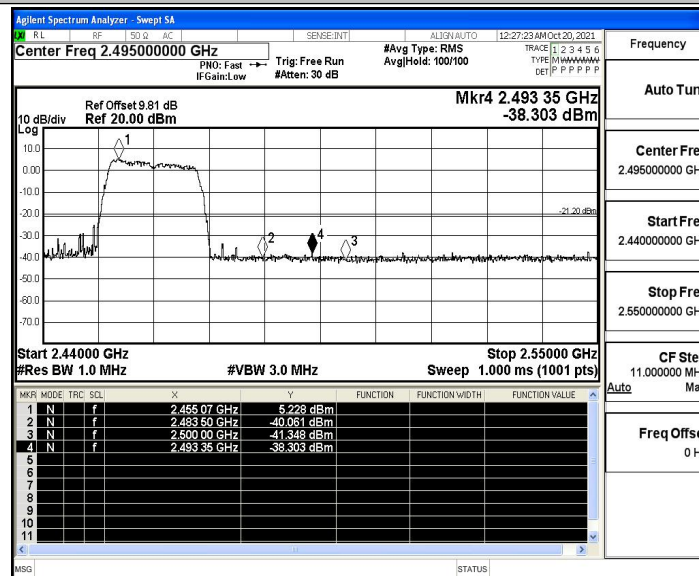




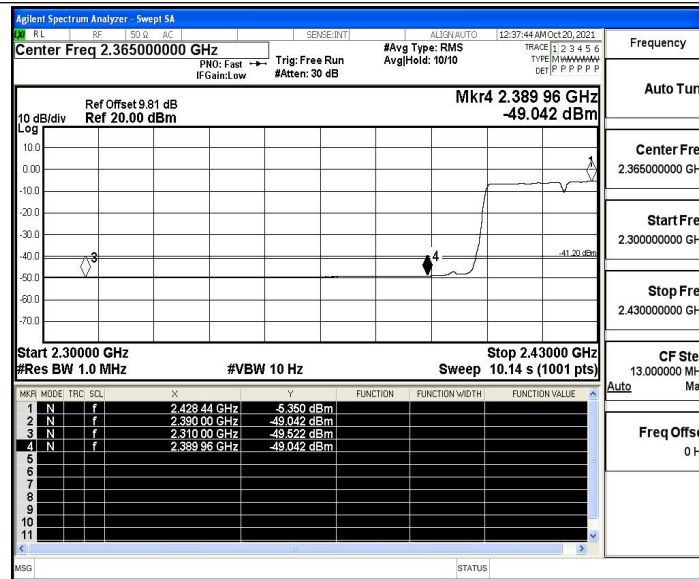
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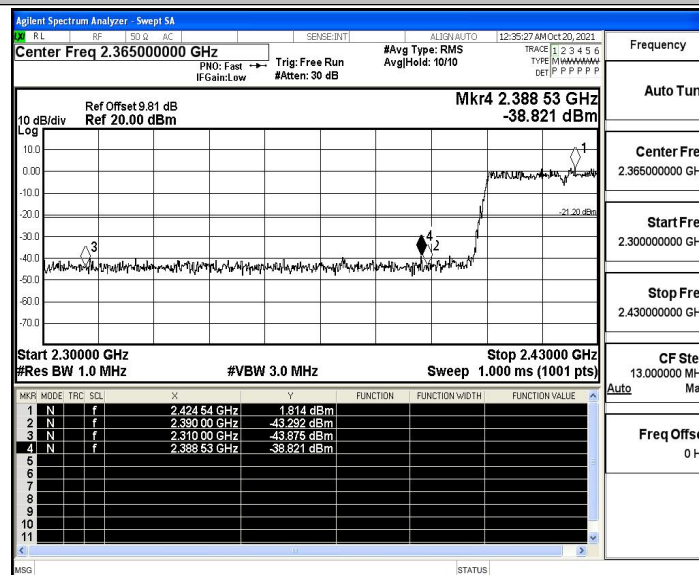
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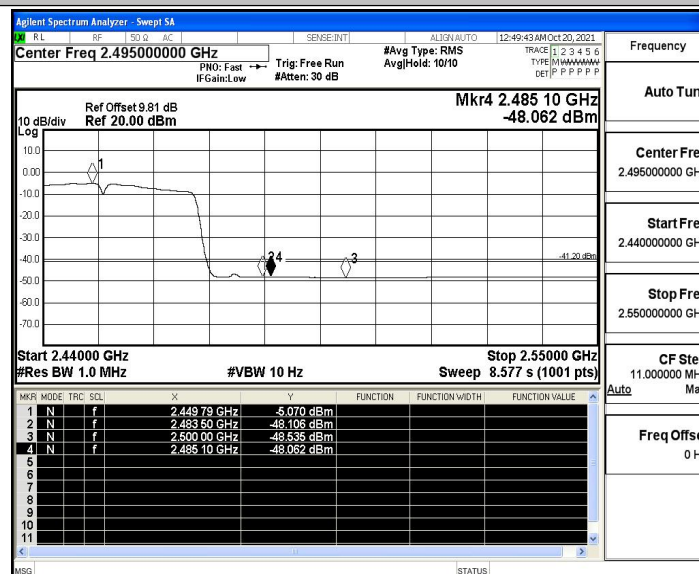
11N40SISO_Ant1_Low_2422_AV



11N40SISO_Ant1_Low_2422_Peak



11N40SISO_Ant1_High_2452_AV





11N40SISO_Ant1_High_2452_Peak

