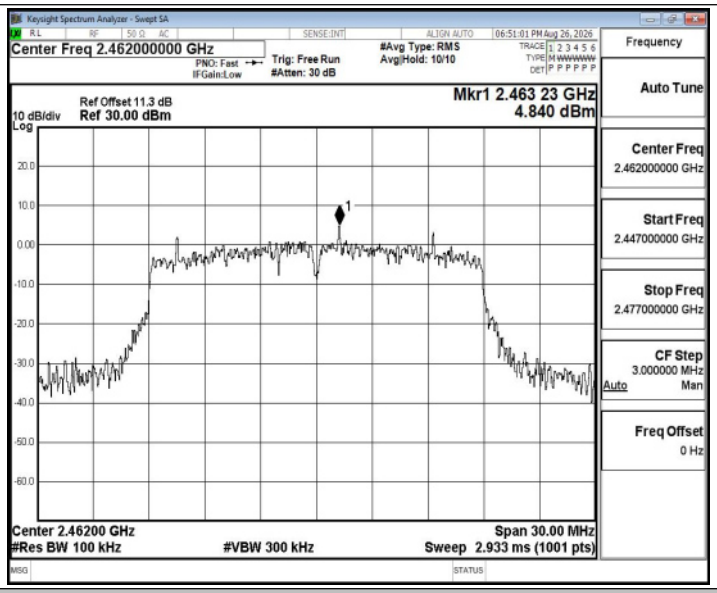
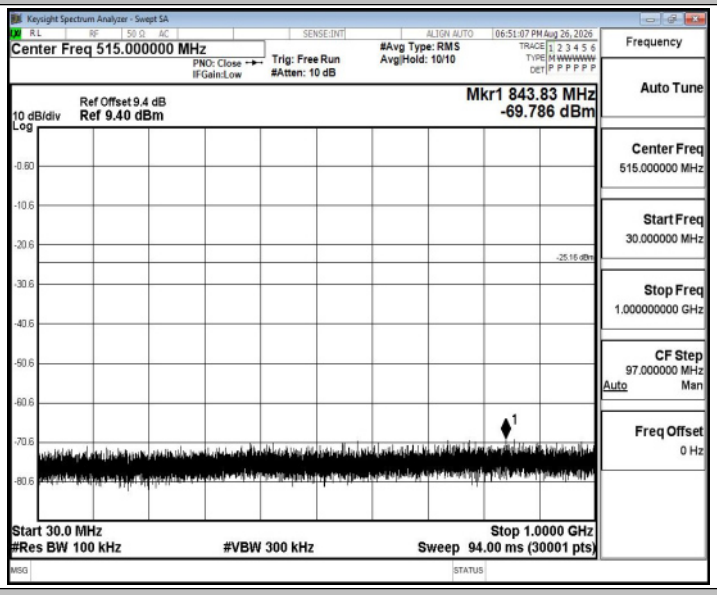
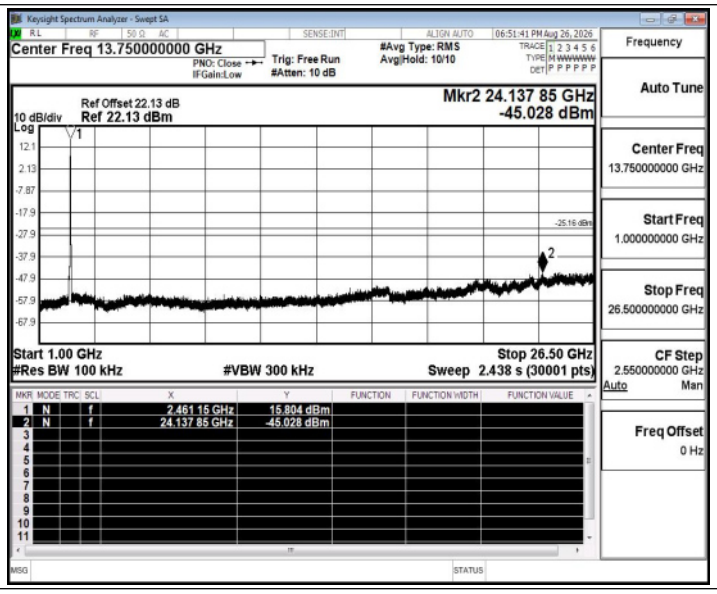


11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500

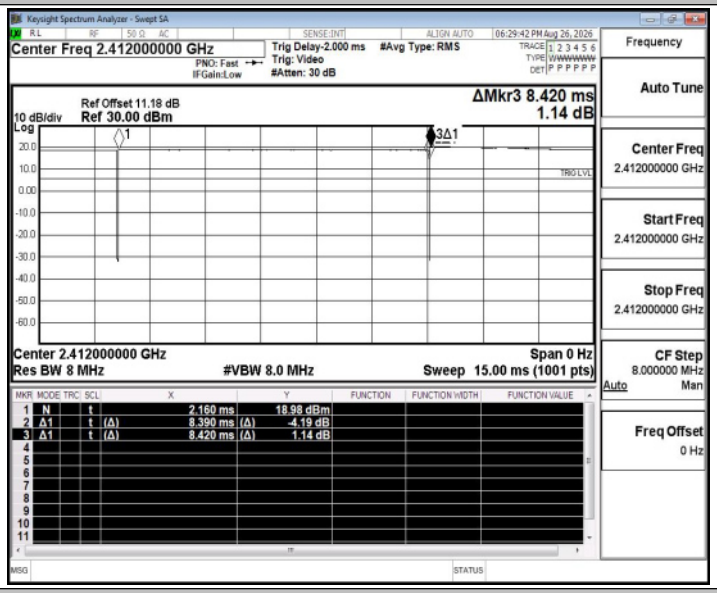
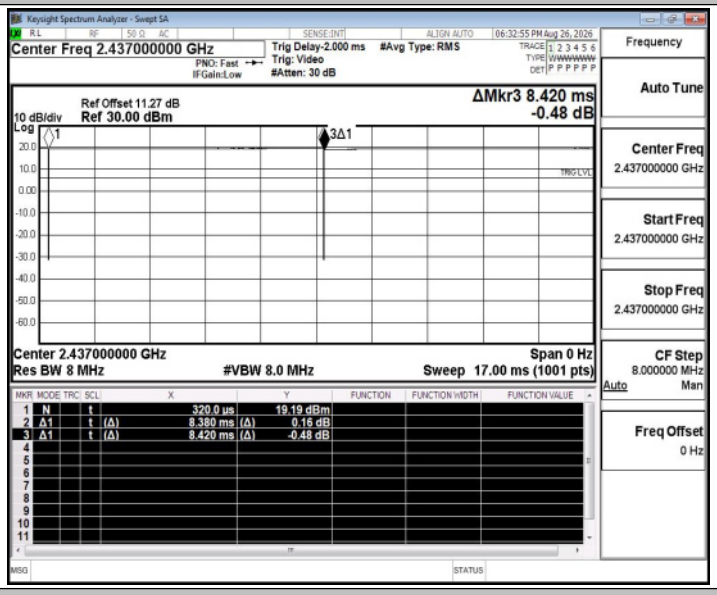

Keysight Spectrum Analyzer - Swept SA
Center Freq 13.750000000 GHz
PNO: Close
IFGain:Low
Trig: Free Run
#Atten: 10 dB
#Avg Type: RMS
Avg|Hold: 10/10
06:51:41 PM Aug 26, 2026
Frequency
Auto Tune
Ref Offset 22.13 dB
10 dB/div
Ref 22.13 dBm
Log
Mkr2 24.137 85 GHz
-45.028 dBm
-25.16 dBm
Center Freq
13.750000000 GHz
Start Freq
1.000000000 GHz
Stop Freq
26.500000000 GHz
Start 1.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.438 s (30001 pts)
CF Step
2.550000000 GHz
Auto
Man
Freq Offset
0 Hz
1 N 1 f 2.461 15 GHz 15.804 dBm
2 N 1 f 24.137 85 GHz -45.028 dBm
MSG
STATUS

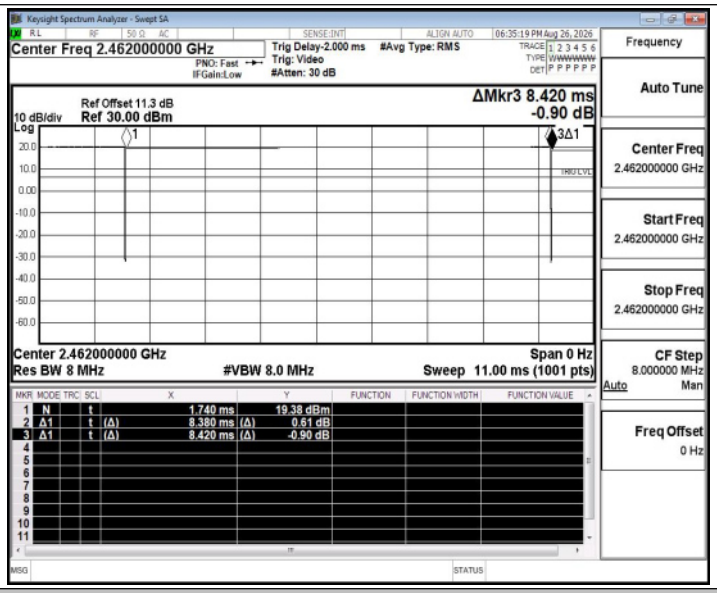
B.6 Duty Cycle

Test Result

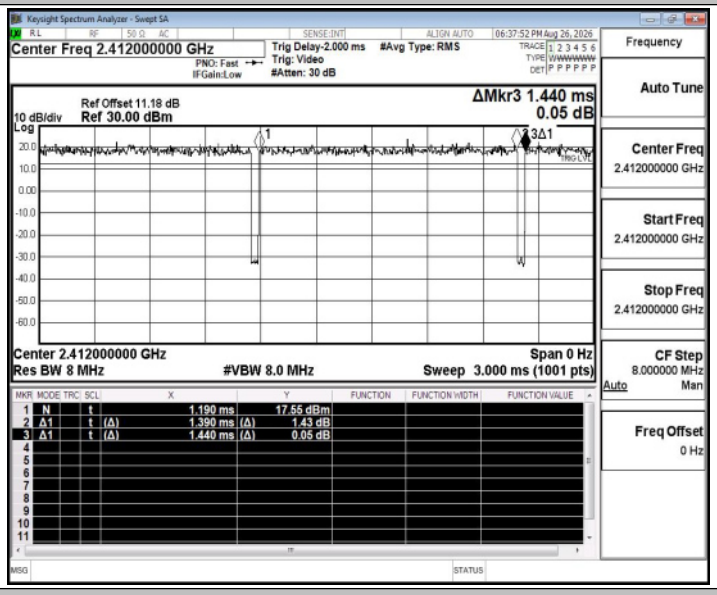
TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	xFactor
11B	Ant1	2412	8.39	8.42	99.64	0.02
		2437	8.38	8.42	99.52	0.02
		2462	8.38	8.42	99.52	0.02
11G	Ant1	2412	1.39	1.44	96.53	0.15
		2437	1.39	1.43	97.20	0.12
		2462	1.40	1.44	97.22	0.12
11N20SISO	Ant1	2412	1.30	1.35	96.30	0.16
		2437	1.30	1.34	97.01	0.13
		2462	1.29	1.34	96.27	0.17

Test Graphs

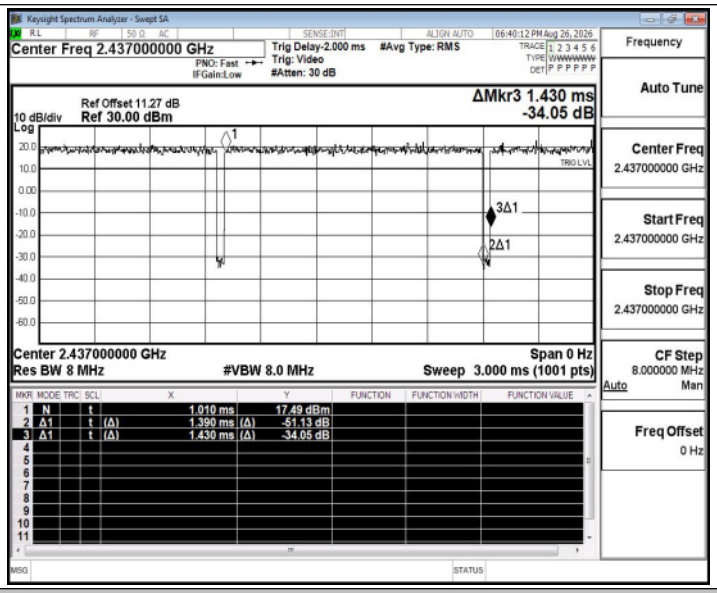
11B_Ant1_2412

11B_Ant1_2437

11B_Ant1_2462



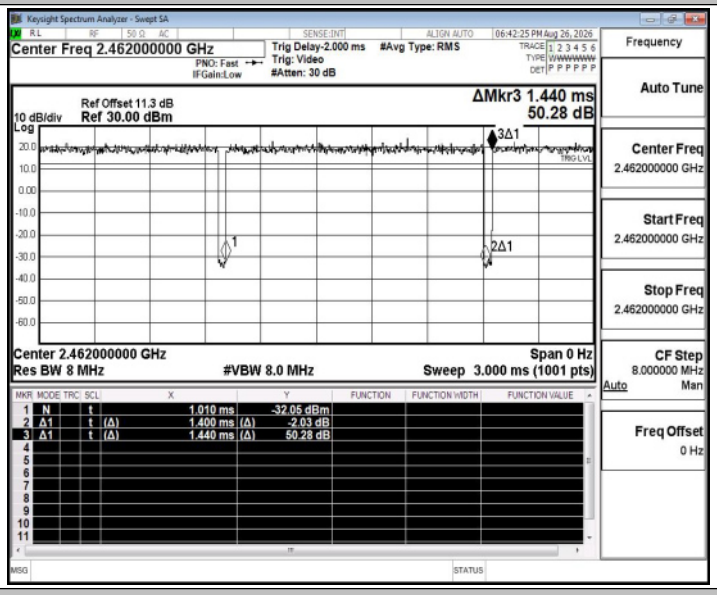
11G_Ant1_2412



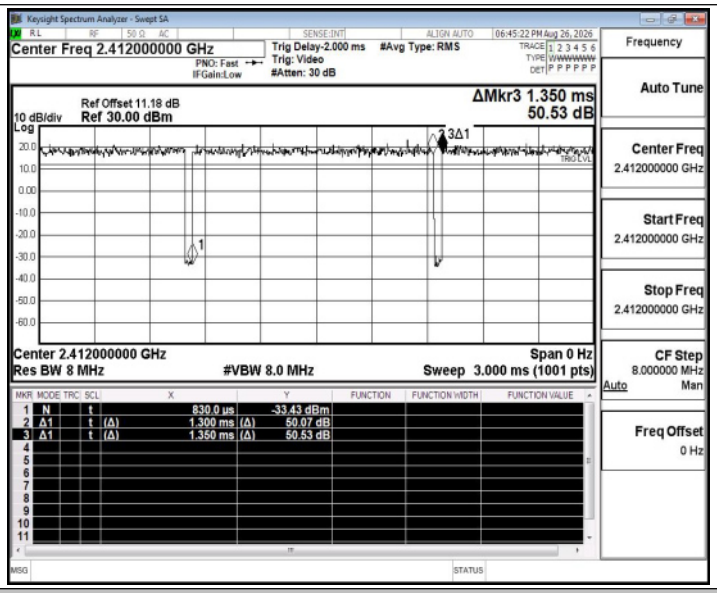
11G_Ant1_2437



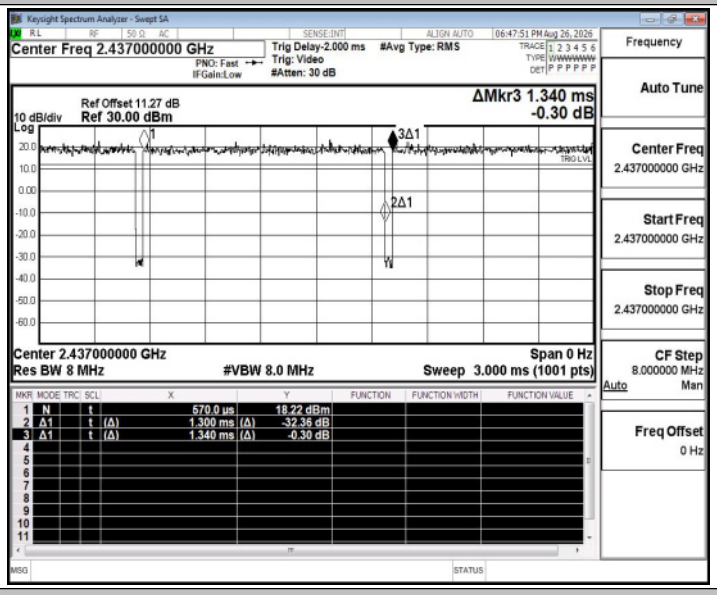
11G_Ant1_2462



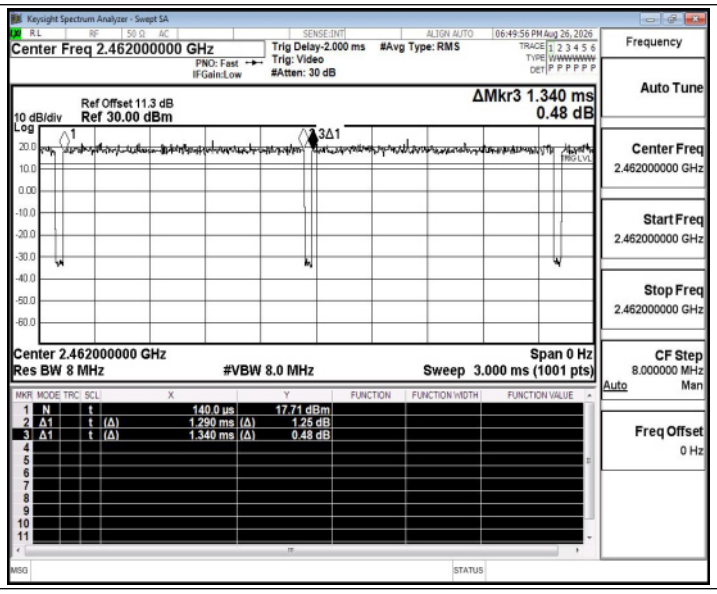
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462


Keysight Spectrum Analyzer - Swept SA
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig Delay-2.000 ms
Trig: Video
#Avg Type: RMS
#Atten: 30 dB
06:49:56 PM Aug 26, 2026
Ref Offset 11.3 dB
10 dB/div Ref 30.00 dBm
Log
ΔMkr3 1.340 ms
0.48 dB
Center 2.462000000 GHz
Res BW 8 MHz
#VBW 8.0 MHz
Span 0 Hz
Sweep 3.000 ms (1001 pts)
1 N 1 t 140.0 µs 17.71 dBm
2 Δ1 t (Δ) 1.290 ms (Δ) 1.25 dB
3 Δ1 t (Δ) 1.340 ms (Δ) 0.48 dB
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.462000000 GHz
Stop Freq
2.462000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

B.7 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-47.49	≤-43.22	2.0	0.02	49.79	≤54	PASS
				AV	2384.240	-45.21	≤-43.22	2.0	0.02	52.07	≤54	PASS
				AV	2390.000	-46.53	≤-43.22	2.0	0.02	50.75	≤54	PASS
				Peak	2310.000	-42.97	≤-23.20	2.0	0.00	54.29	≤74	PASS
				Peak	2330.680	-36.48	≤-23.20	2.0	0.00	60.78	≤74	PASS
				Peak	2390.000	-42.16	≤-23.20	2.0	0.00	55.1	≤74	PASS
		High	2462	AV	2483.500	-48.17	≤-43.22	2.0	0.02	49.11	≤54	PASS
				AV	2495.880	-45.77	≤-43.22	2.0	0.02	51.51	≤54	PASS
				AV	2500.000	-46.75	≤-43.22	2.0	0.02	50.53	≤54	PASS
				Peak	2483.500	-40.67	≤-23.20	2.0	0.00	56.59	≤74	PASS
				Peak	2488.400	-37.26	≤-23.20	2.0	0.00	60	≤74	PASS
				Peak	2500.000	-42.45	≤-23.20	2.0	0.00	54.81	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-57.94	≤-43.35	2.0	0.15	39.47	≤54	PASS
				AV	2389.830	-48.52	≤-43.35	2.0	0.15	48.89	≤54	PASS
				AV	2390.000	-48.74	≤-43.35	2.0	0.15	48.67	≤54	PASS
				Peak	2310.000	-48.68	≤-23.20	2.0	0.00	48.58	≤74	PASS
				Peak	2389.830	-33.29	≤-23.20	2.0	0.00	63.97	≤74	PASS
				Peak	2390.000	-38.3	≤-23.20	2.0	0.00	58.96	≤74	PASS
		High	2462	AV	2483.500	-48.02	≤-43.32	2.0	0.12	49.36	≤54	PASS
				AV	2483.670	-47.76	≤-43.32	2.0	0.12	49.62	≤54	PASS
				AV	2500.000	-54.52	≤-43.32	2.0	0.12	42.86	≤54	PASS
				Peak	2483.500	-36.45	≤-23.20	2.0	0.00	60.81	≤74	PASS
				Peak	2483.670	-36.15	≤-23.20	2.0	0.00	61.11	≤74	PASS
				Peak	2500.000	-46.07	≤-23.20	2.0	0.00	51.19	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-57.96	≤-43.36	2.0	0.16	39.46	≤54	PASS
				AV	2389.830	-47.21	≤-43.36	2.0	0.16	50.21	≤54	PASS
				AV	2390.000	-47.26	≤-43.36	2.0	0.16	50.16	≤54	PASS
				Peak	2310.000	-50.64	≤-23.20	2.0	0.00	46.62	≤74	PASS
				Peak	2388.530	-31.83	≤-23.20	2.0	0.00	65.43	≤74	PASS
				Peak	2390.000	-35.81	≤-23.20	2.0	0.00	61.45	≤74	PASS
		High	2462	AV	2483.500	-46.4	≤-43.37	2.0	0.17	51.03	≤54	PASS
				AV	2483.670	-46.2	≤-43.37	2.0	0.17	51.23	≤54	PASS
				AV	2500.000	-54.08	≤-43.37	2.0	0.17	43.35	≤54	PASS
				Peak	2483.500	-33.62	≤-23.20	2.0	0.00	63.64	≤74	PASS
				Peak	2483.780	-32.4	≤-23.20	2.0	0.00	64.86	≤74	PASS

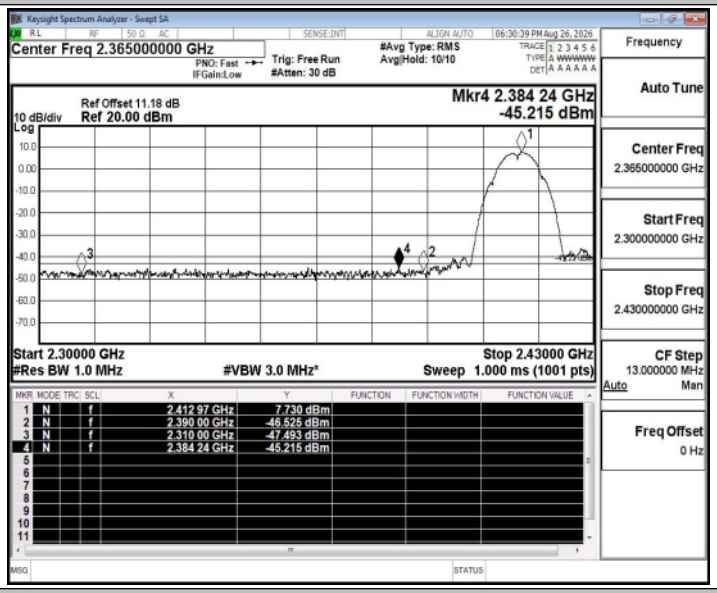
				Peak	2500.000	-46.6	≤-23.20	2.0	0.00	50.66	≤74	PASS

Note：

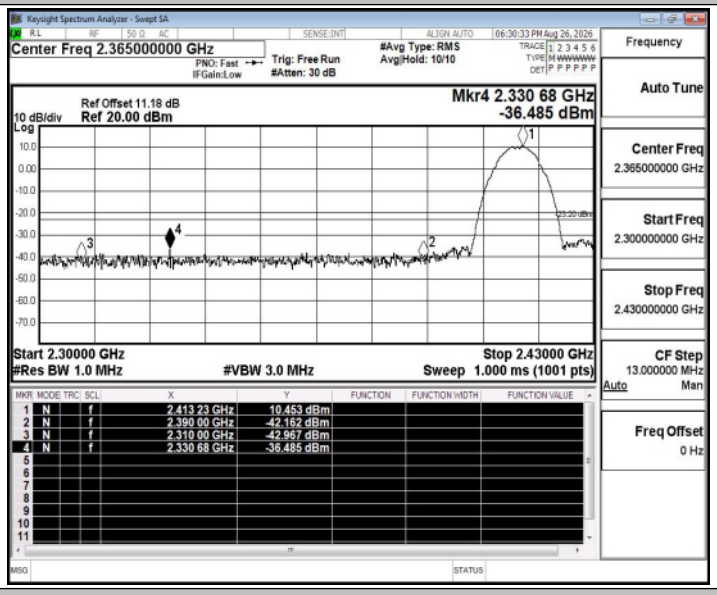
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

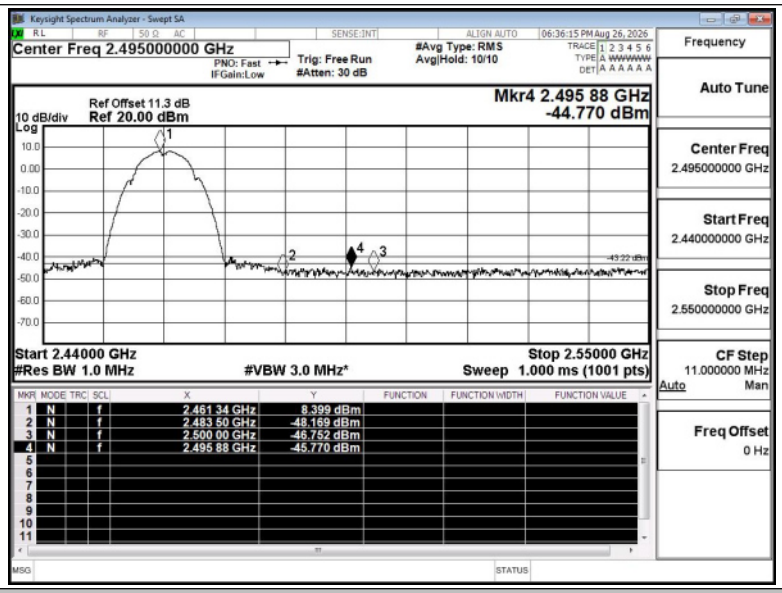
11B_Ant1_Low_2412_AV



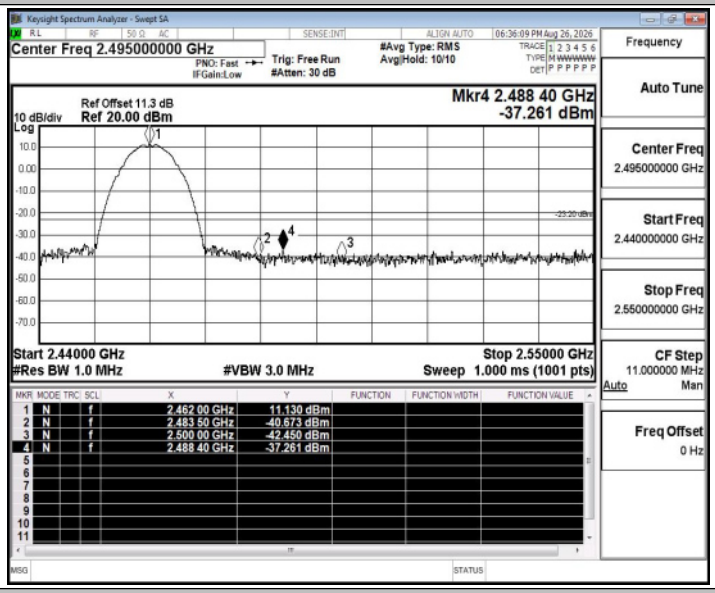
11B_Ant1_Low_2412_Peak



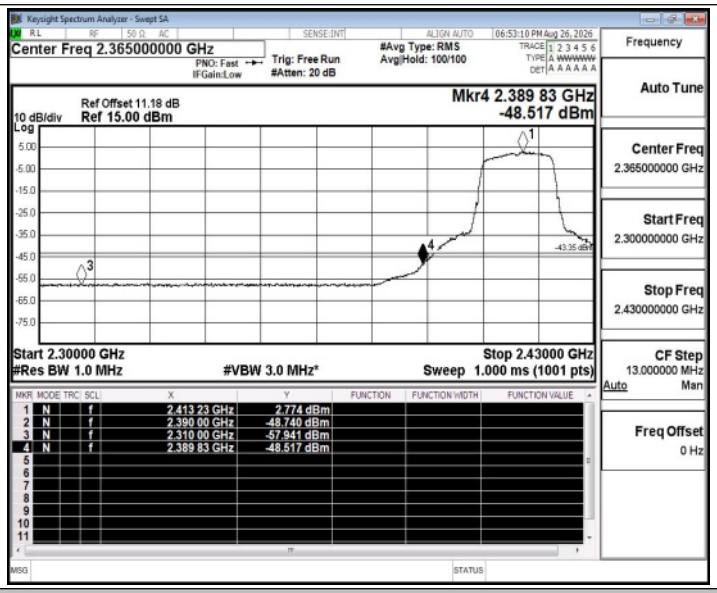
11B_Ant1_High_2462_AV



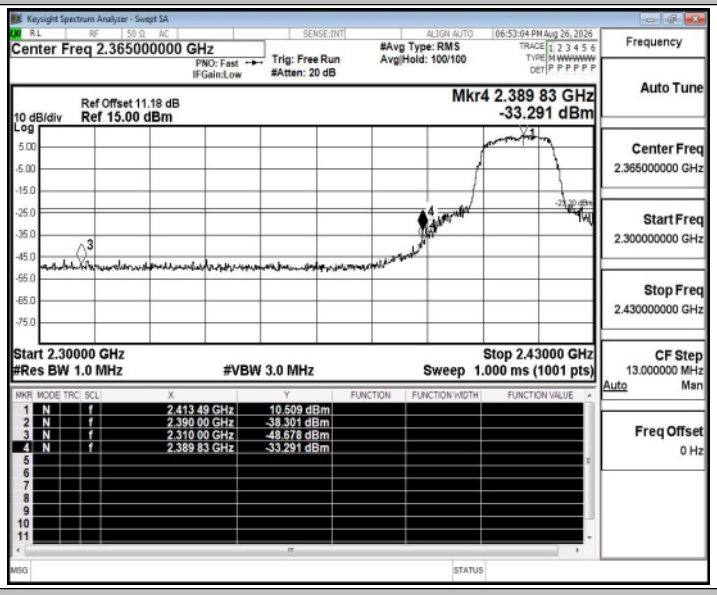
11B_Ant1_High_2462_Peak



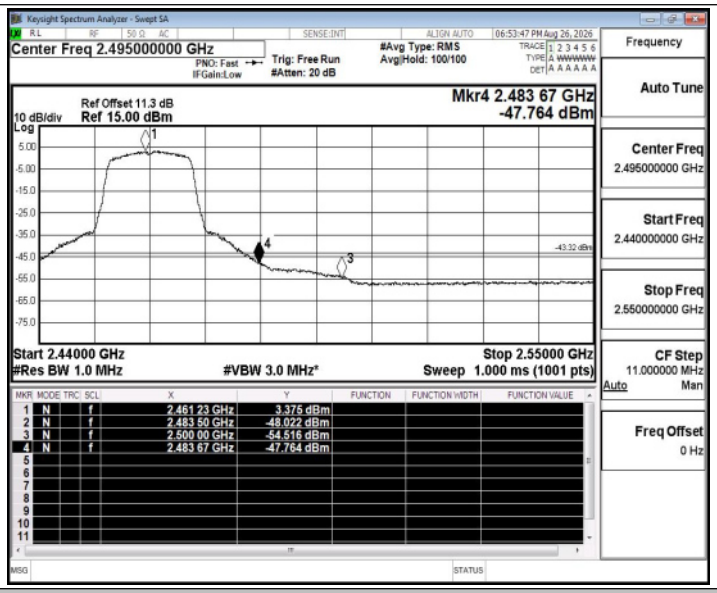
11G_Ant1_Low_2412_AV



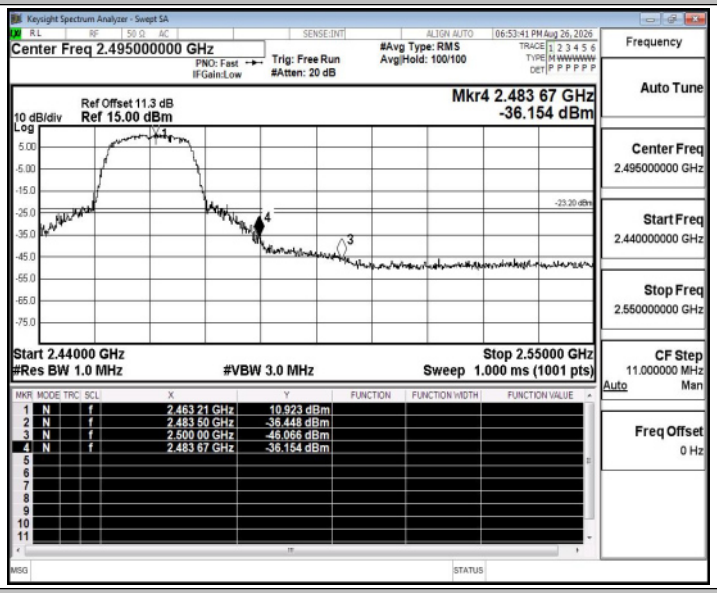
11G_Ant1_Low_2412_Peak



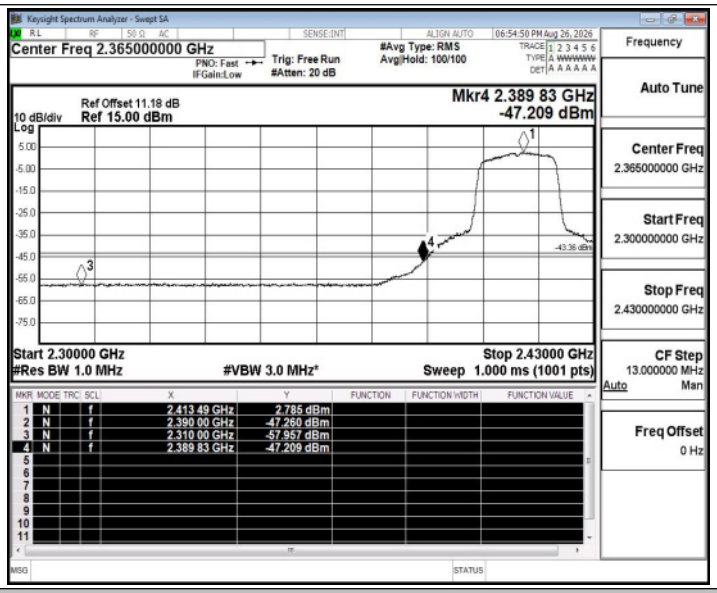
11G_Ant1_High_2462_AV



11G_Ant1_High_2462_Peak



11N20SISO_Ant1_Low_2412_AV



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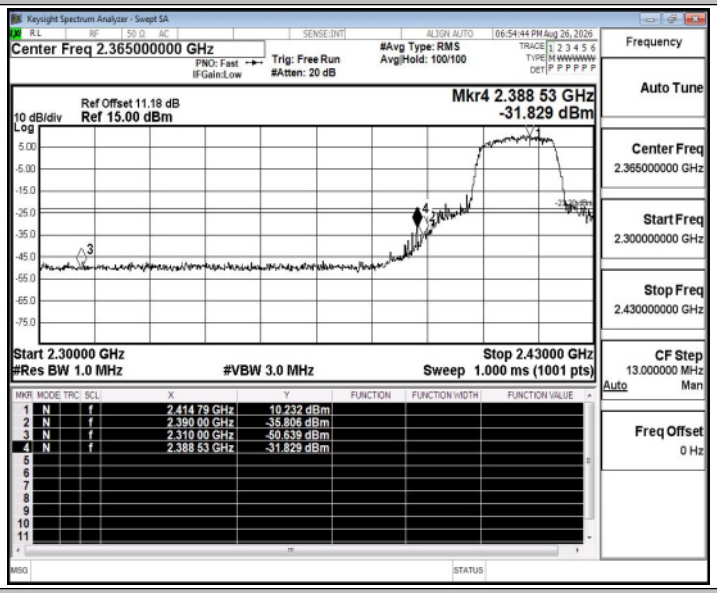
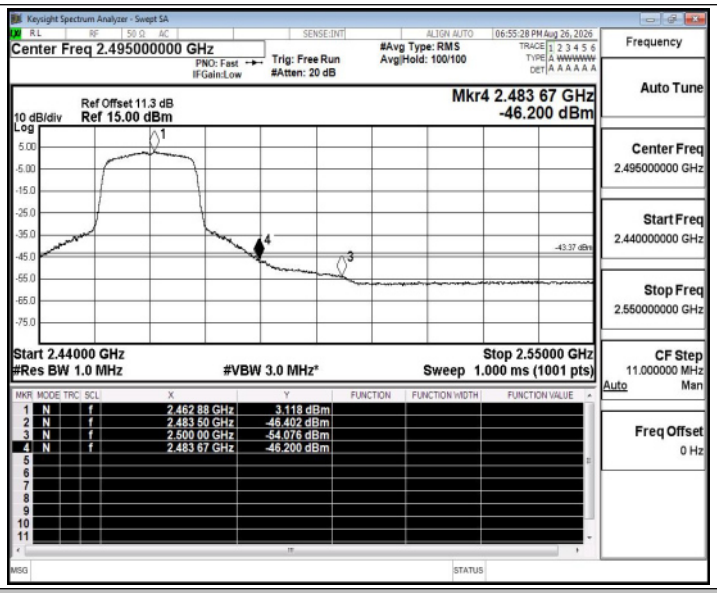
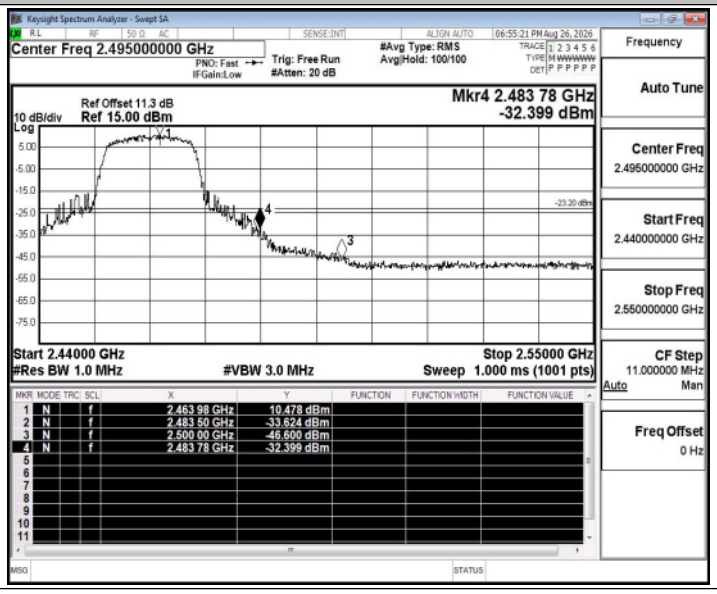


11N20SISO_Ant1_High_2462_AV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