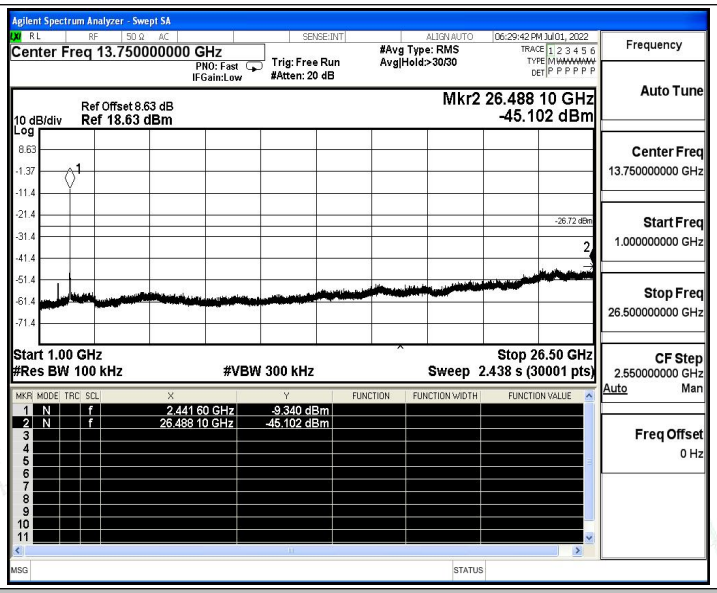
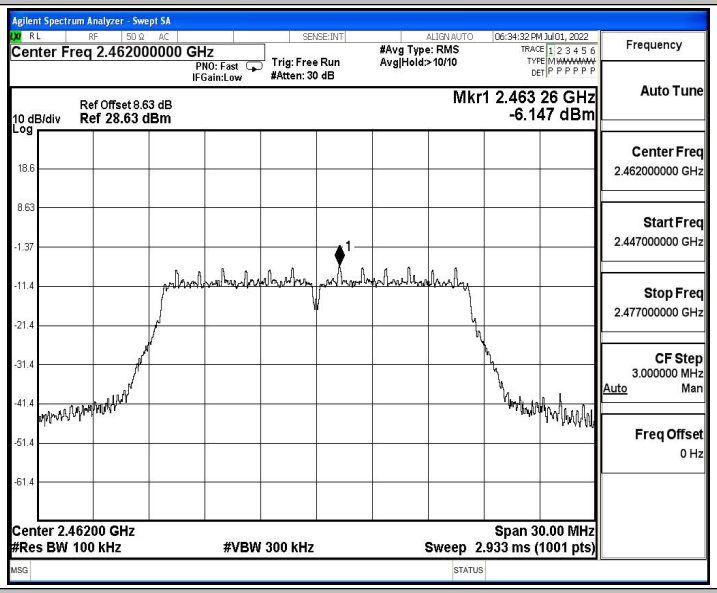


11G_Ant1_2462_0~Reference



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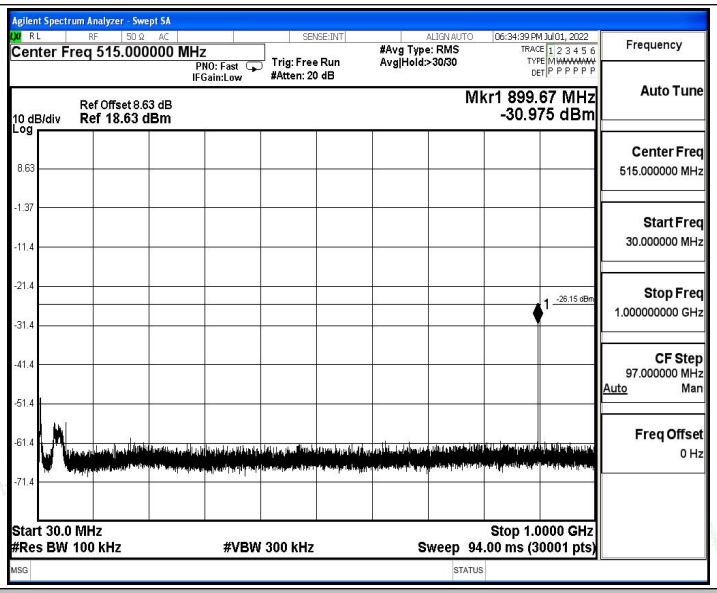

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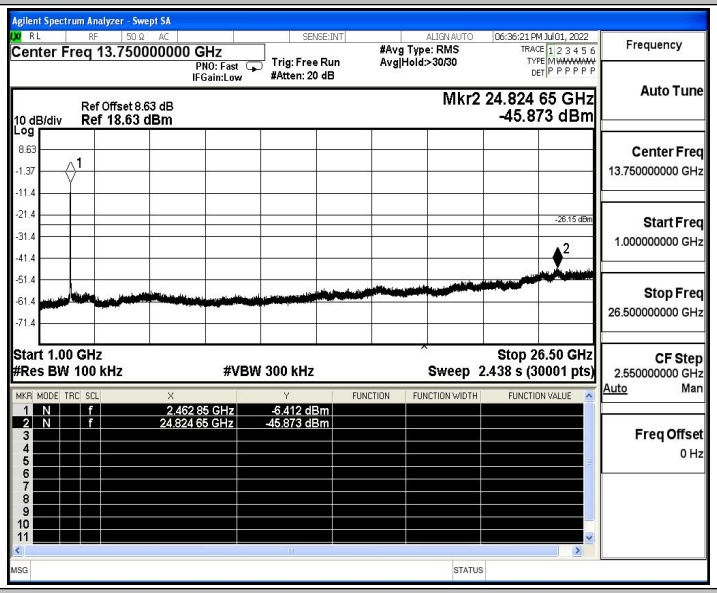
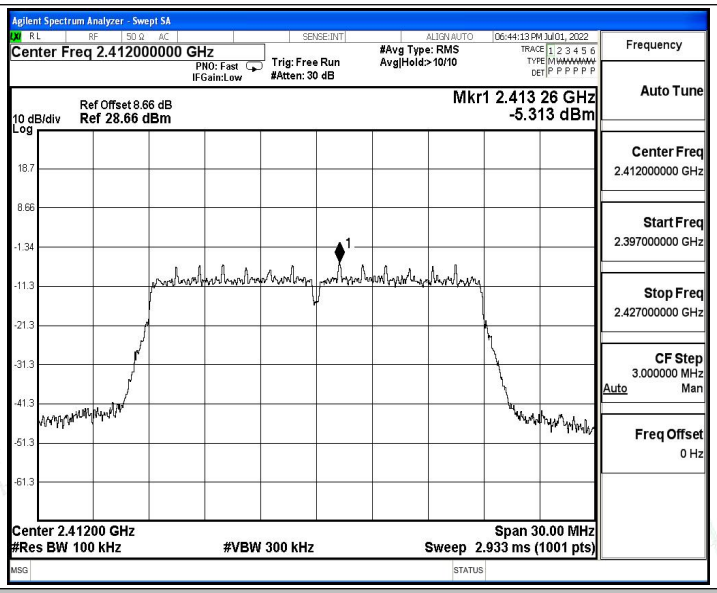


11N20SISO_Ant1_2412_0~Reference



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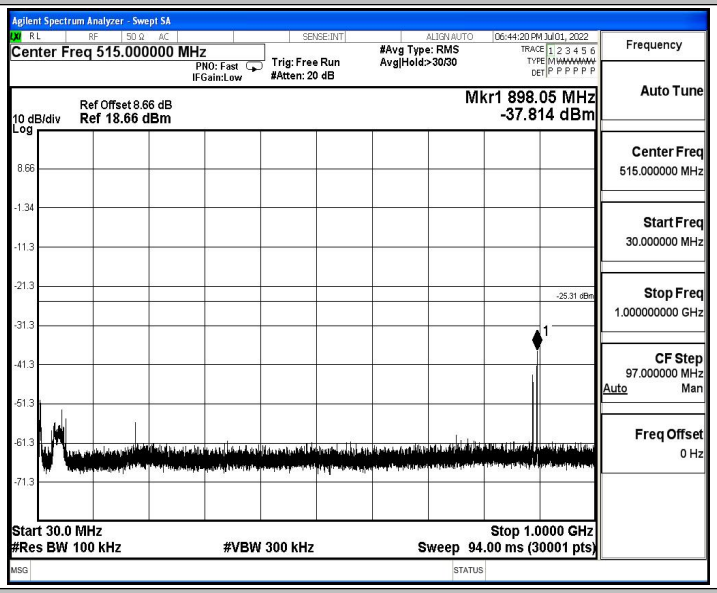

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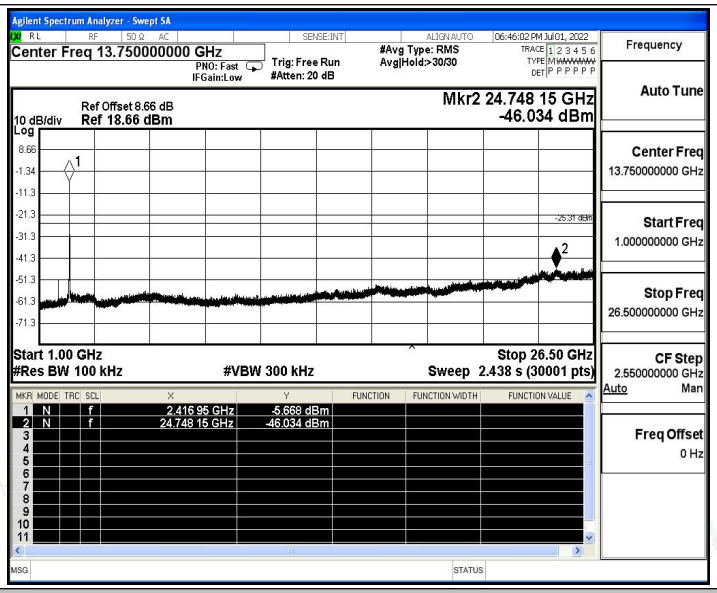

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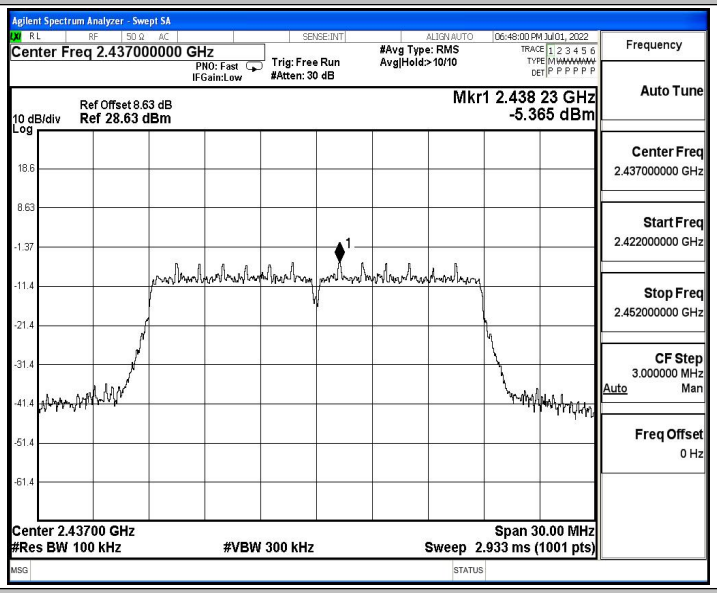

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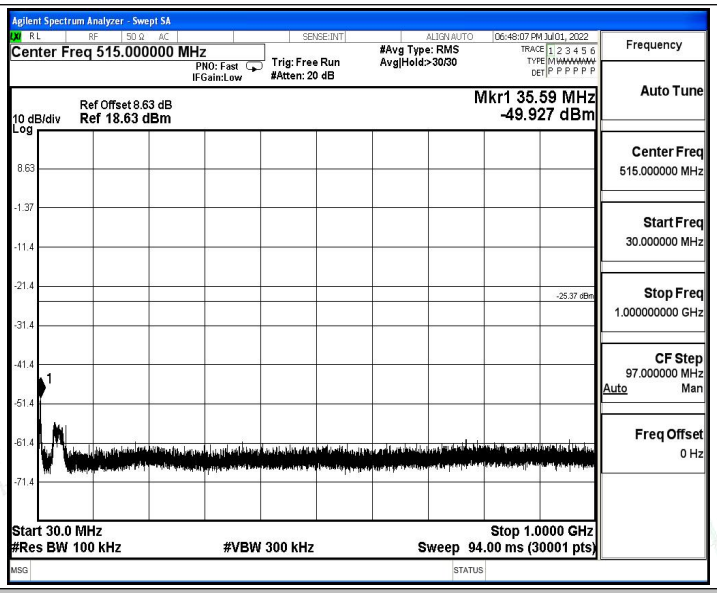

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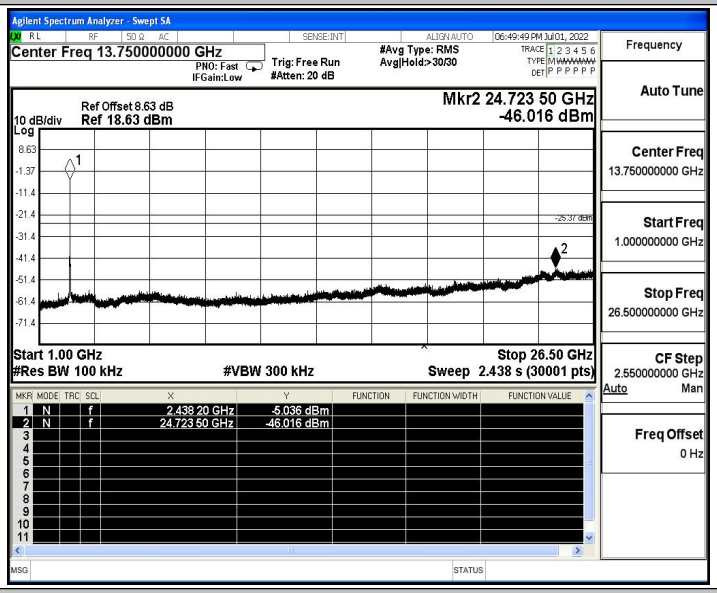

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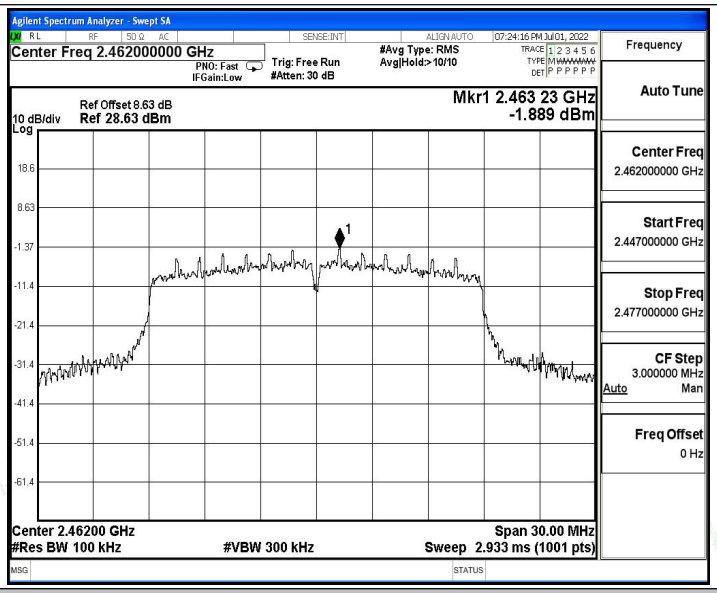

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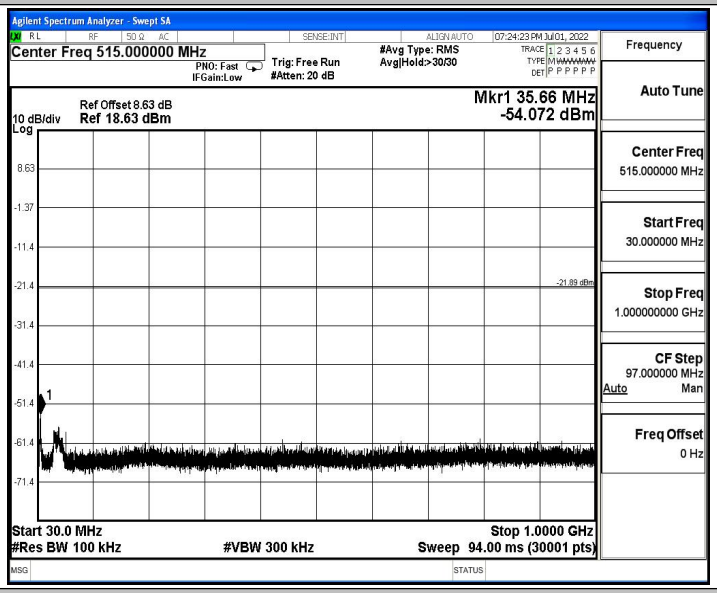
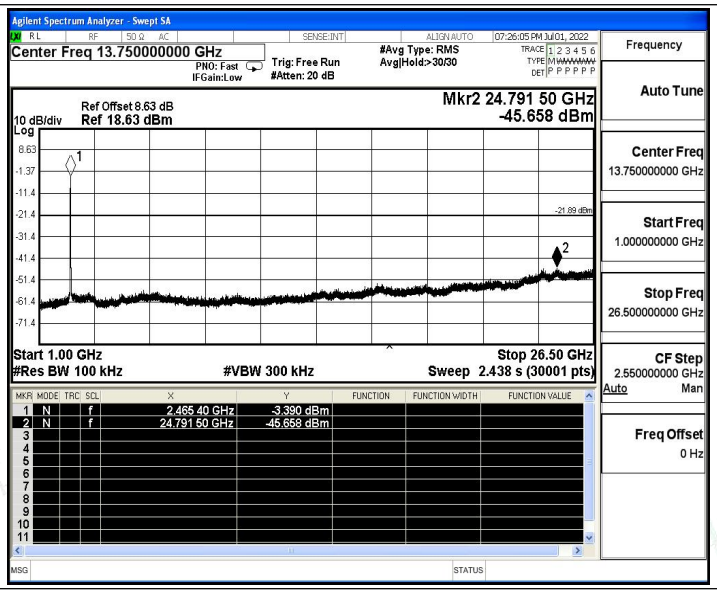


11N20SISO_Ant1_2462_1000~26500


Agilent Spectrum Analyzer - Swept SA
Center Freq 13.750000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold:>30/30
07:26:05 PM Jul 01, 2022
Ref Offset 8.63 dB
10 dB/div Ref 18.63 dBm
Log
Mkr2 24.791 50 GHz
-45.658 dBm
-21.89 dBm
Start 1.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.438 s (30001 pts)
1 N f 2.465 40 GHz -3.390 dBm
2 N f 24.791 50 GHz -45.658 dBm
Frequency
Auto Tune
Center Freq 13.750000000 GHz
Start Freq 1.000000000 GHz
Stop Freq 26.500000000 GHz
CF Step 2.550000000 GHz
Auto Man
Freq Offset 0 Hz

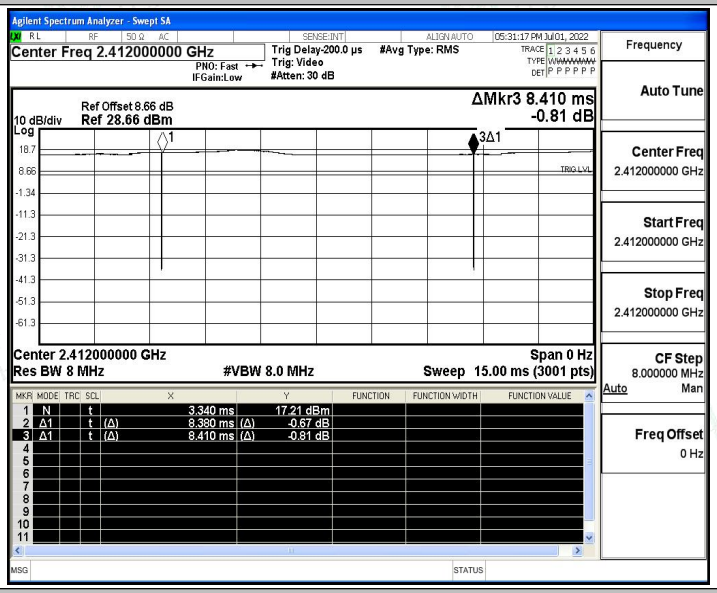
B.6 Duty Cycle

Test Result

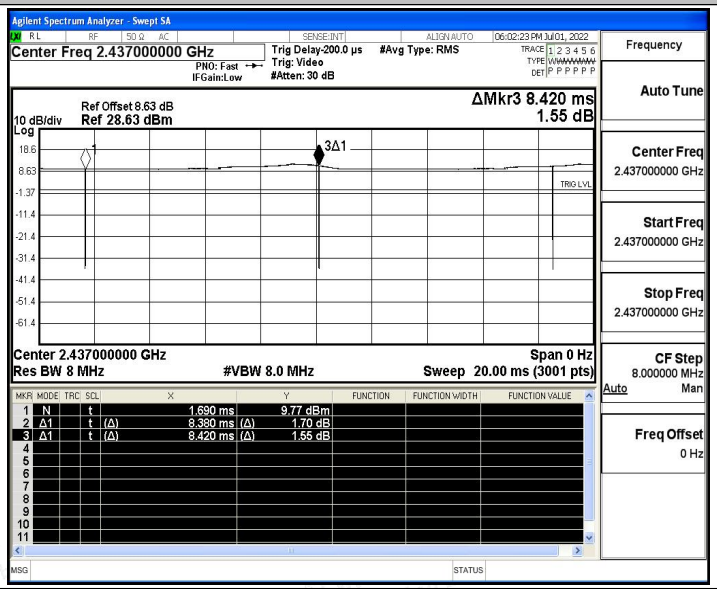
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
11B	Ant1	2412	8.38	8.41	99.64	---	---
		2437	8.38	8.42	99.52	---	---
		2462	8.38	8.41	99.64	---	---
11G	Ant1	2412	1.39	1.43	97.20	---	---
		2437	1.39	1.43	97.20	---	---
		2462	1.39	1.43	97.20	---	---
11N20SISO	Ant1	2412	1.30	1.34	97.01	---	---
		2437	1.30	1.34	97.01	---	---
		2462	1.30	1.34	97.01	---	---

Test Graphs

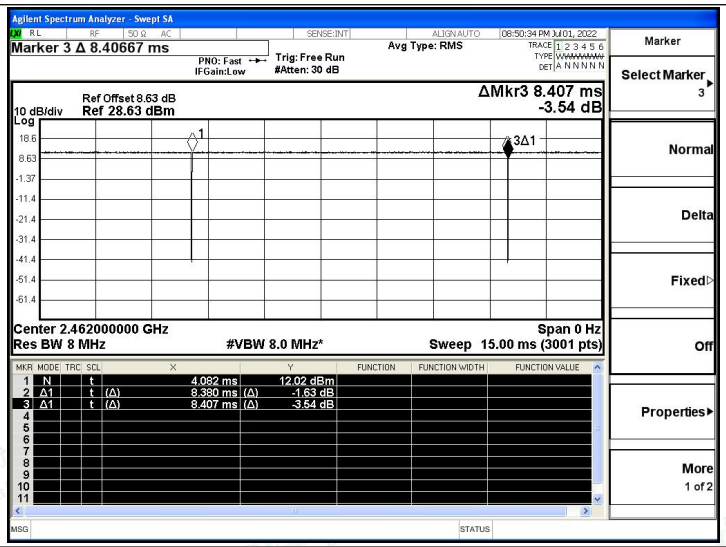
11B_Ant1_2412



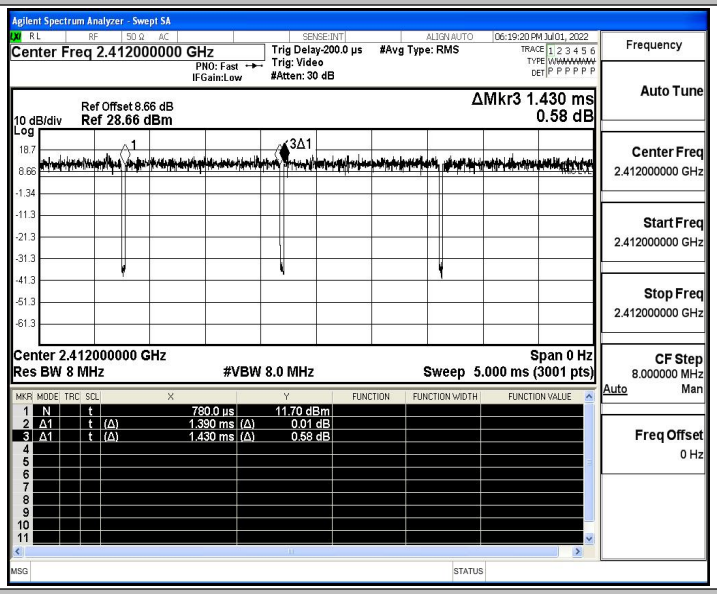
11B_Ant1_2437



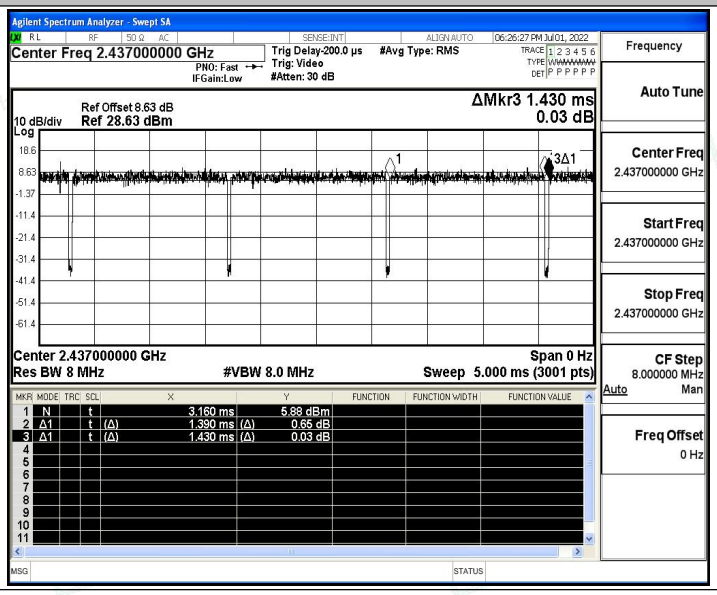
11B_Ant1_2462



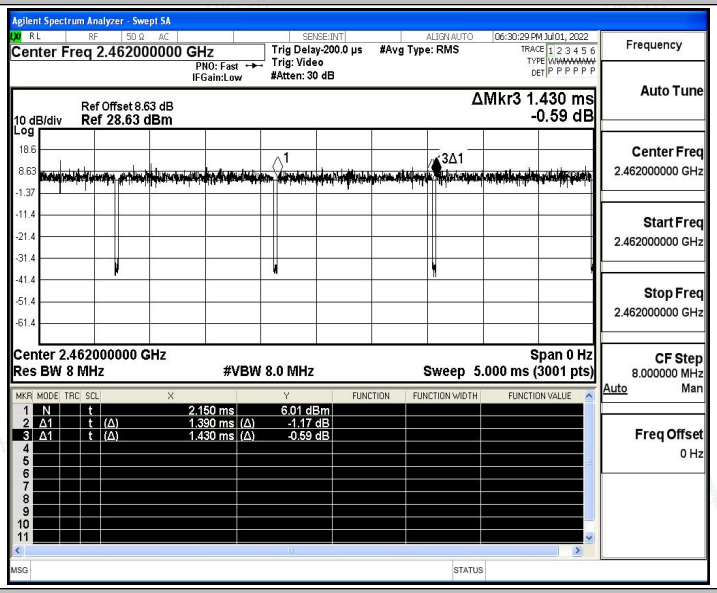
11G_Ant1_2412



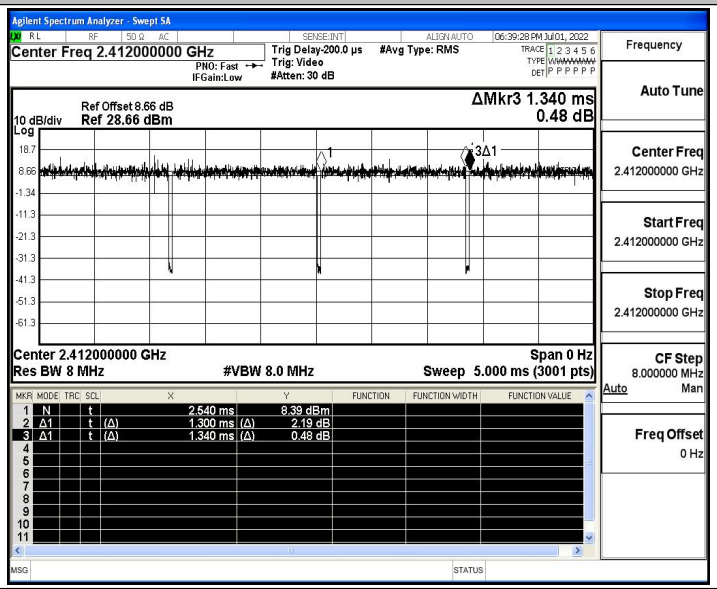
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



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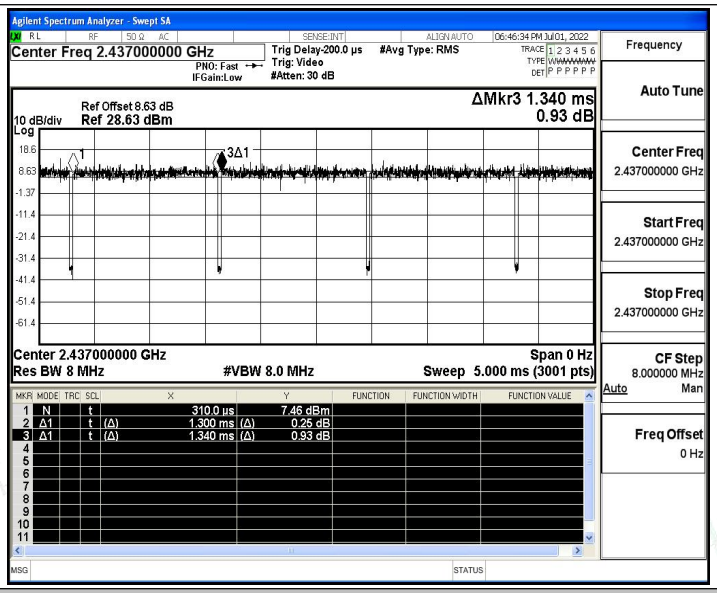

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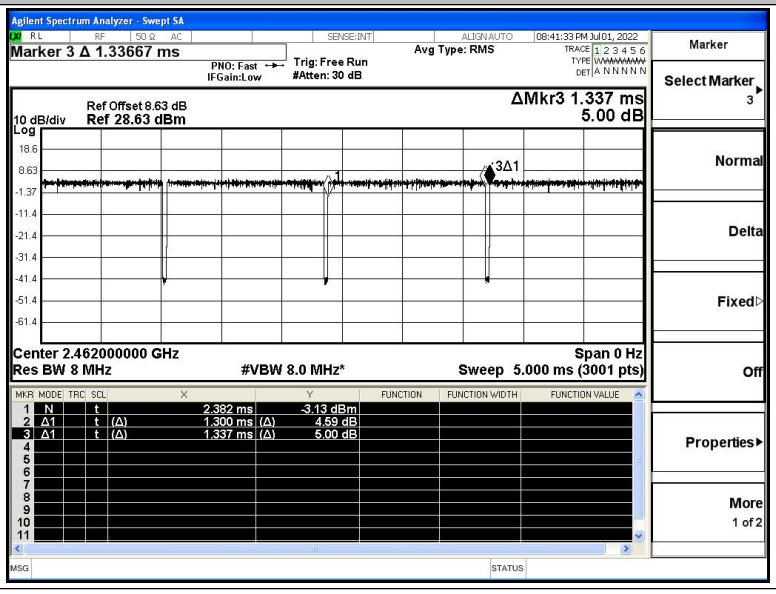


B.7 Emissions in Restricted Bands

Test Result

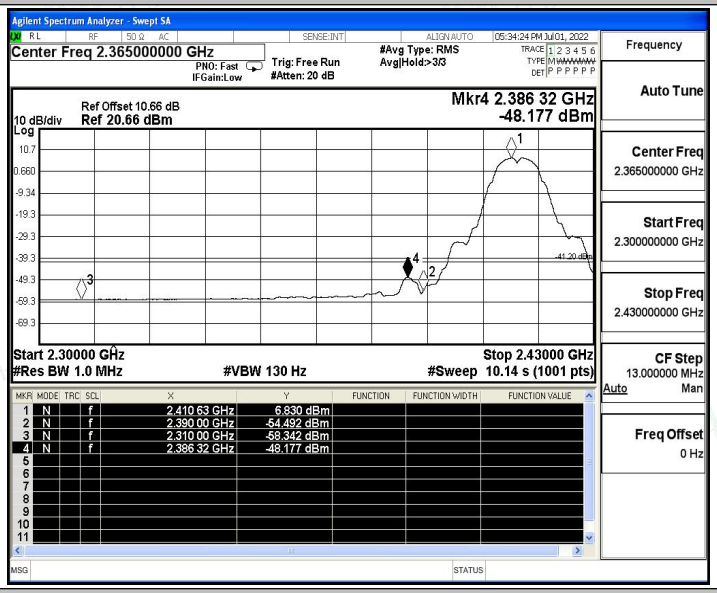
TestMode	Antenna	ChName	Channel	Detector	Freq. [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
11B	Ant1	Low	2412	AV	2310.000	-58.34	≤-41.20	36.86	≤54	PASS
				AV	2386.320	-48.18	≤-41.20	47.02	≤54	PASS
				AV	2390.000	-54.49	≤-41.20	40.71	≤54	PASS
				Peak	2310.000	-47.85	≤-21.20	47.35	≤74	PASS
				Peak	2386.580	-40.62	≤-21.20	54.58	≤74	PASS
				Peak	2390.000	-44.44	≤-21.20	50.76	≤74	PASS
		High	2462	AV	2483.500	-55.75	≤-41.20	39.45	≤54	PASS
				AV	2486.860	-55.69	≤-41.20	39.51	≤54	PASS
				AV	2500.000	-57	≤-41.20	38.20	≤54	PASS
				Peak	2483.500	-45.03	≤-21.20	50.17	≤74	PASS
				Peak	2488.620	-44.67	≤-21.20	50.53	≤74	PASS
				Peak	2500.000	-46.89	≤-21.20	48.31	≤74	PASS
11G	Ant1	Low	2412	AV	2310.000	-57.38	≤-41.20	37.82	≤54	PASS
				AV	2389.960	-45.57	≤-41.20	49.63	≤54	PASS
				AV	2390.000	-45.57	≤-41.20	49.63	≤54	PASS
				Peak	2310.000	-47.57	≤-21.20	47.63	≤74	PASS
				Peak	2388.400	-29.54	≤-21.20	65.66	≤74	PASS
				Peak	2390.000	-29.93	≤-21.20	65.27	≤74	PASS
		High	2462	AV	2483.500	-50.64	≤-41.20	44.56	≤54	PASS
				AV	2483.560	-50.78	≤-41.20	44.42	≤54	PASS
				AV	2500.000	-55.32	≤-41.20	39.88	≤54	PASS
				Peak	2483.500	-30.83	≤-21.20	64.37	≤74	PASS
				Peak	2483.780	-32.27	≤-21.20	62.93	≤74	PASS
				Peak	2500.000	-44.42	≤-21.20	50.78	≤74	PASS
11N20SISO	Ant1	Low	2412	AV	2310.000	-57.71	≤-41.20	37.49	≤54	PASS
				AV	2389.960	-50.14	≤-41.20	45.06	≤54	PASS
				AV	2390.000	-50.14	≤-41.20	45.06	≤54	PASS
				Peak	2310.000	-47.84	≤-21.20	47.36	≤74	PASS
				Peak	2389.440	-32.64	≤-21.20	62.56	≤74	PASS
				Peak	2390.000	-32.66	≤-21.20	62.54	≤74	PASS
		High	2462	AV	2483.500	-46.59	≤-41.20	48.61	≤54	PASS
				AV	2483.670	-46.17	≤-41.20	49.03	≤54	PASS
				AV	2500.000	-54.43	≤-41.20	40.77	≤54	PASS
				Peak	2483.500	-27.66	≤-21.20	67.54	≤74	PASS
				Peak	2483.890	-26.17	≤-21.20	69.03	≤74	PASS
				Peak	2500.000	-43.58	≤-21.20	51.62	≤74	PASS

Note：

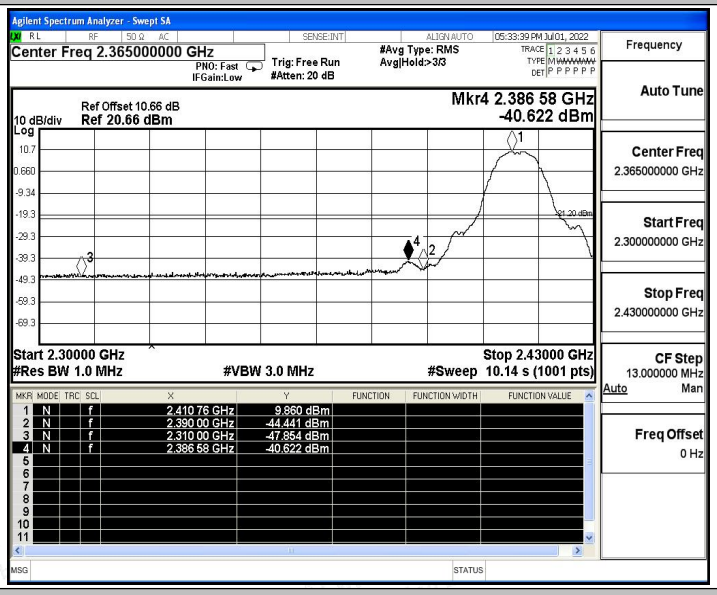
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

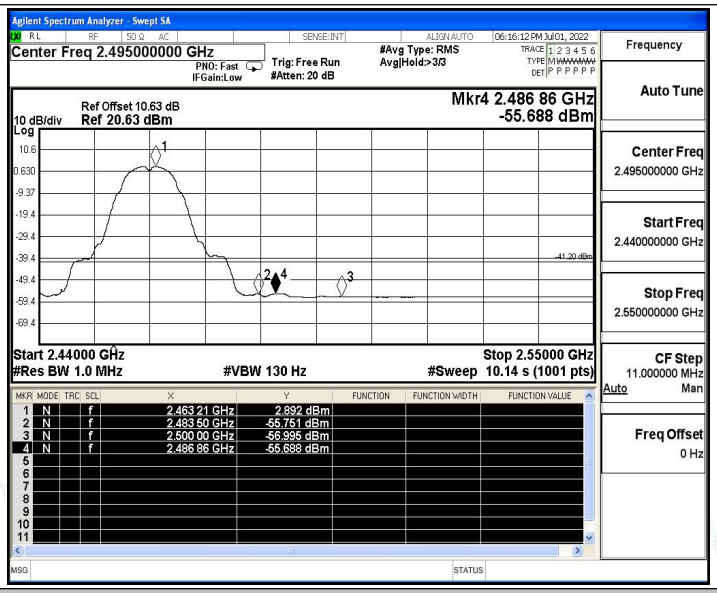
11B_Ant1_Low_2412_AV



11B_Ant1_Low_2412_Peak



11B_Ant1_High_2462_AV



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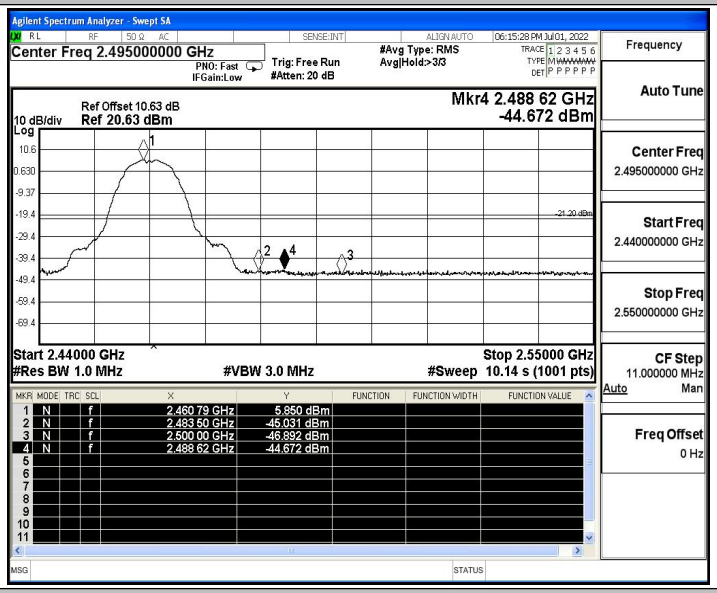

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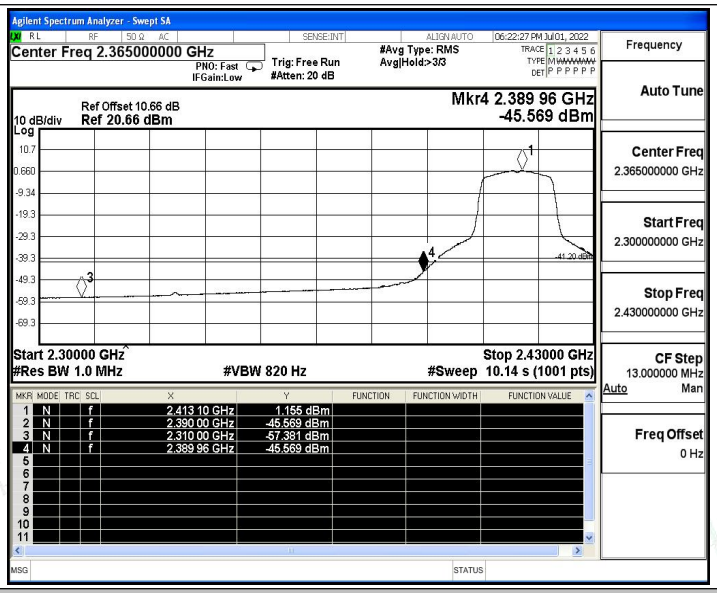

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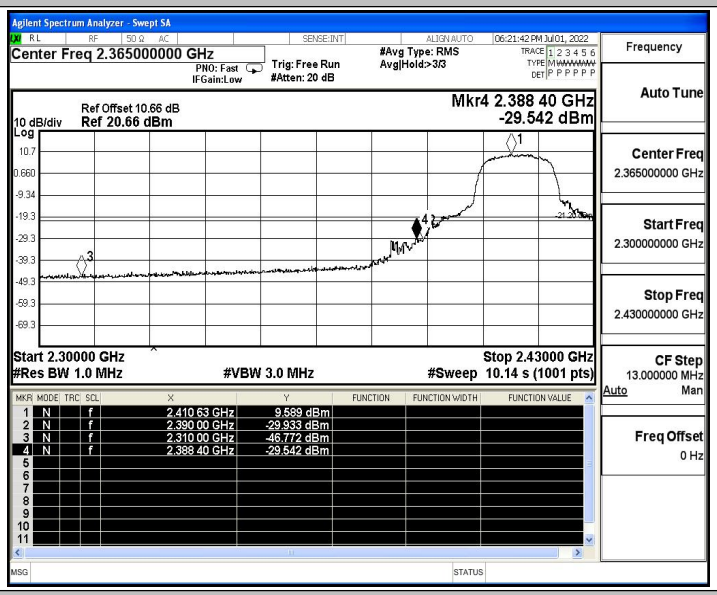

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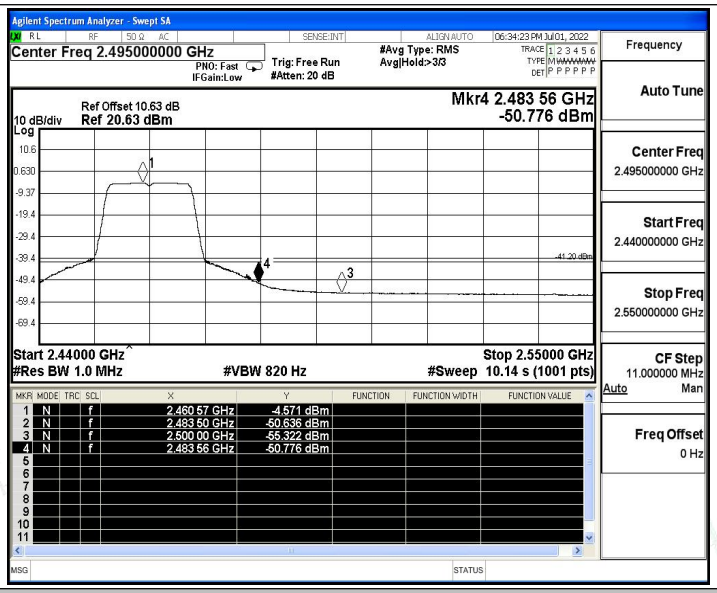

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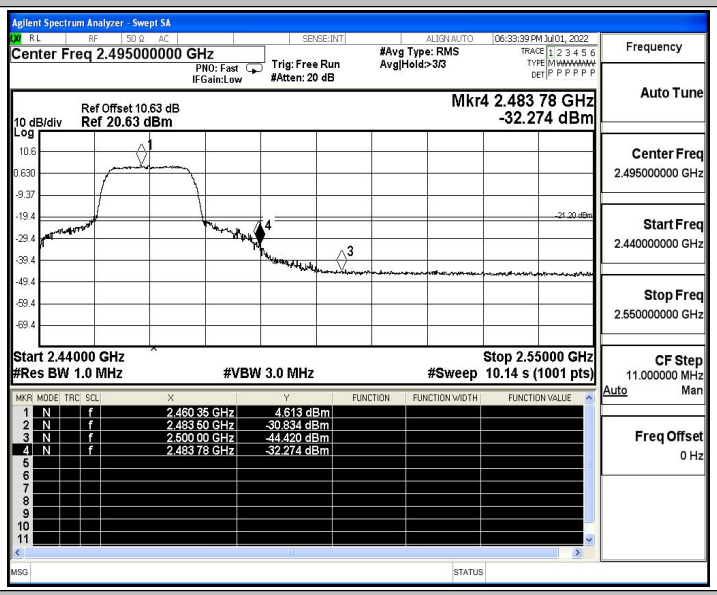

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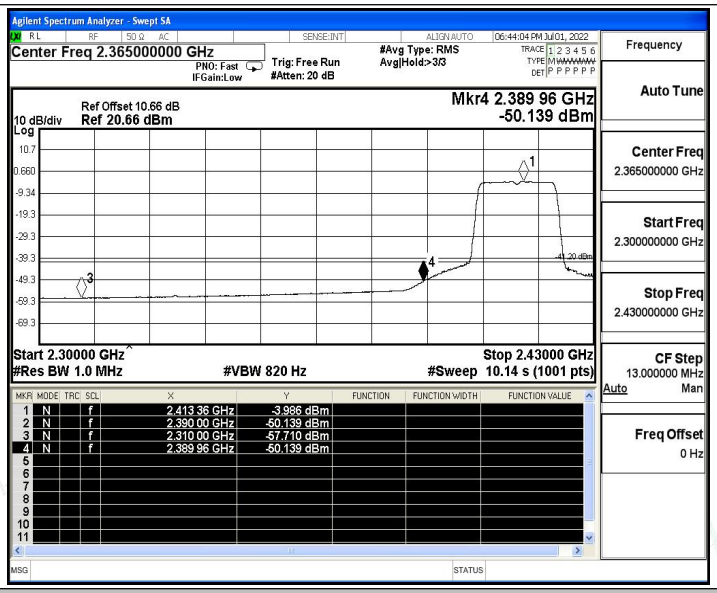

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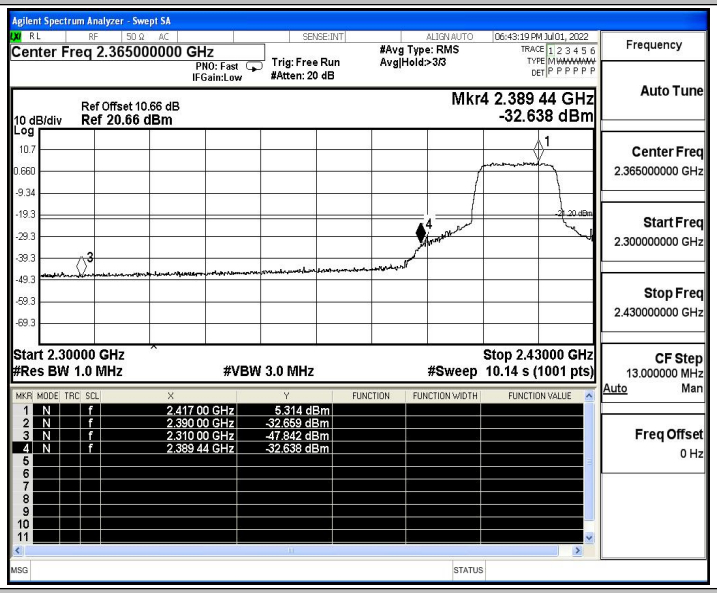

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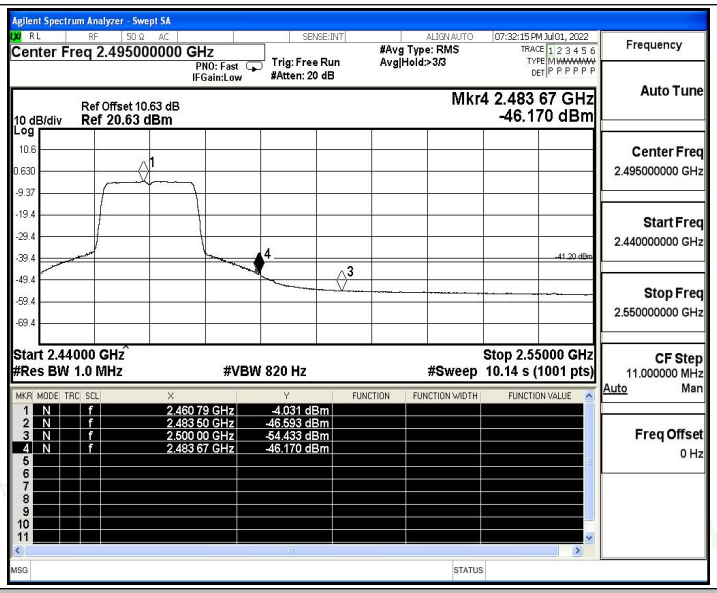
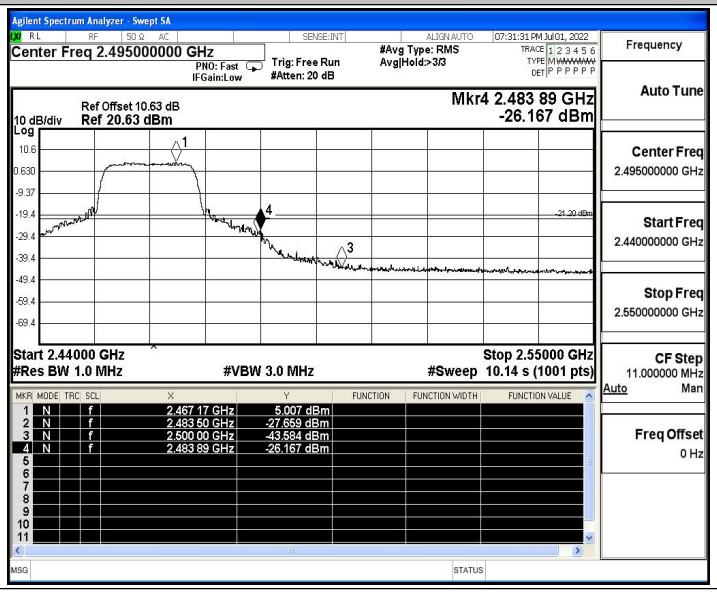
11N20SISO_Ant1_High_2462_Peak