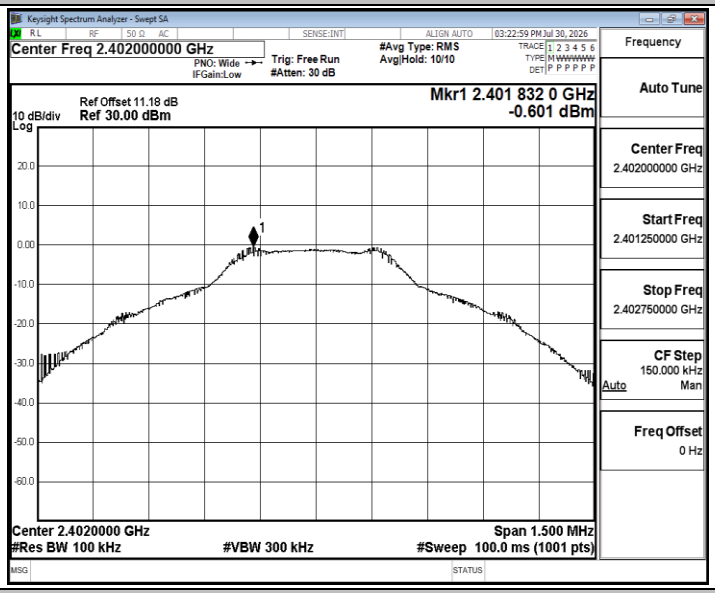
A.7 Conducted Spurious Emission

Test Result

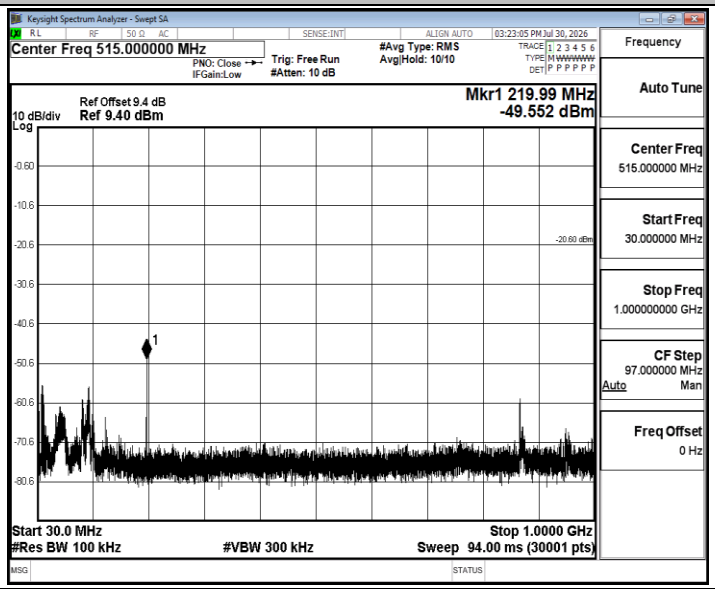
TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.60	-0.60	---	PASS
			30~1000	-0.60	-49.55	≤-20.6	PASS
			1000~26500	-0.60	-44.62	≤-20.6	PASS
		2441	Reference	0.29	0.29	---	PASS
			30~1000	0.29	-33.75	≤-19.71	PASS
			1000~26500	0.29	-44.86	≤-19.71	PASS
		2480	Reference	-0.93	-0.93	---	PASS
			30~1000	-0.93	-55.6	≤-20.93	PASS
			1000~26500	-0.93	-44.49	≤-20.93	PASS
2DH5	Ant1	2402	Reference	-0.68	-0.68	---	PASS
			30~1000	-0.68	-56.65	≤-20.68	PASS
			1000~26500	-0.68	-35.91	≤-20.68	PASS
		2441	Reference	0.19	0.19	---	PASS
			30~1000	0.19	-56.27	≤-19.81	PASS
			1000~26500	0.19	-44.04	≤-19.81	PASS
		2480	Reference	-2.52	-2.52	---	PASS
			30~1000	-2.52	-43.79	≤-22.52	PASS
			1000~26500	-2.52	-44.17	≤-22.52	PASS
3DH5	Ant1	2402	Reference	-1.33	-1.33	---	PASS
			30~1000	-1.33	-42.75	≤-21.33	PASS
			1000~26500	-1.33	-42.77	≤-21.33	PASS
		2441	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-43.58	≤-20.88	PASS
			1000~26500	-0.88	-44.02	≤-20.88	PASS
		2480	Reference	-2.52	-2.52	---	PASS
			30~1000	-2.52	-43.07	≤-22.52	PASS
			1000~26500	-2.52	-44.33	≤-22.52	PASS

Test Graphs

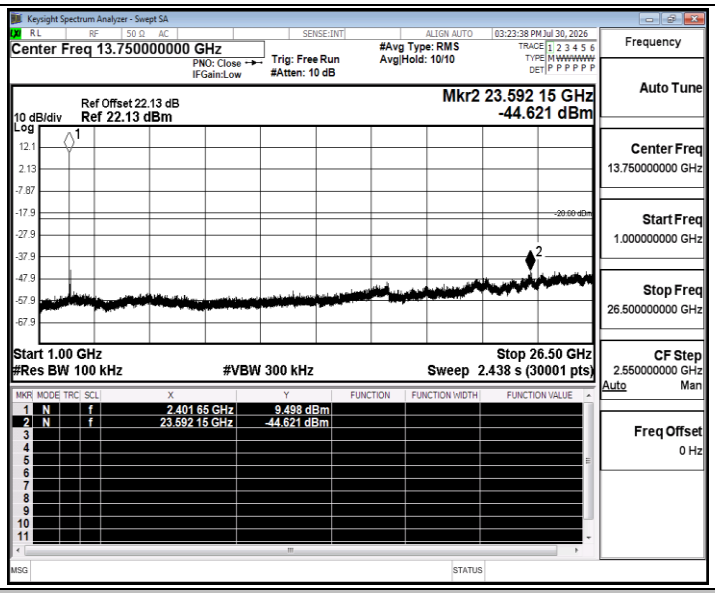
DH5_Ant1_2402_0~Reference



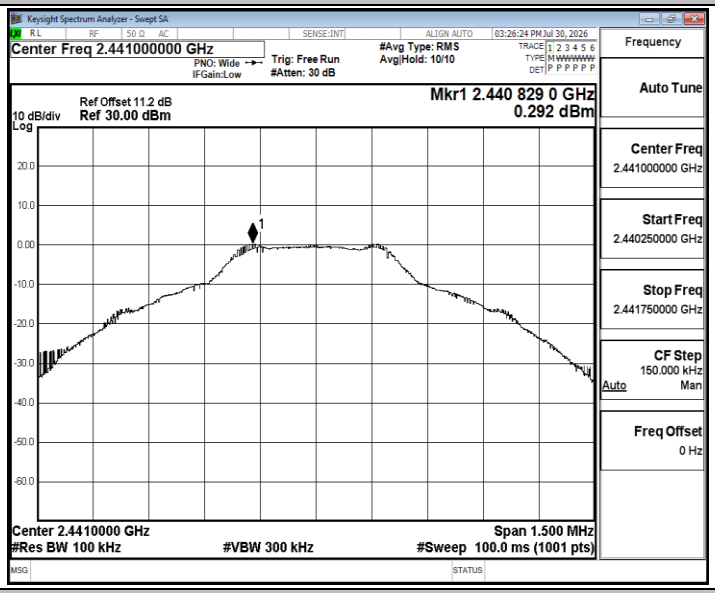
DH5_Ant1_2402_30~1000



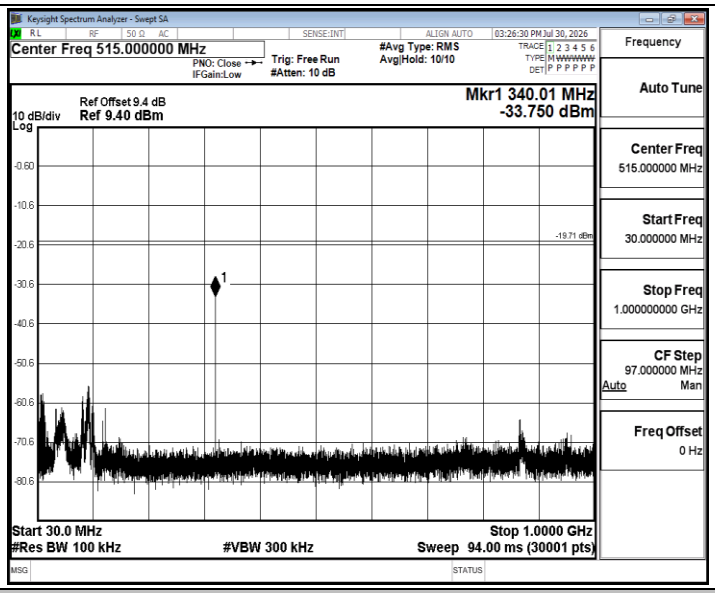
DH5_Ant1_2402_1000~26500



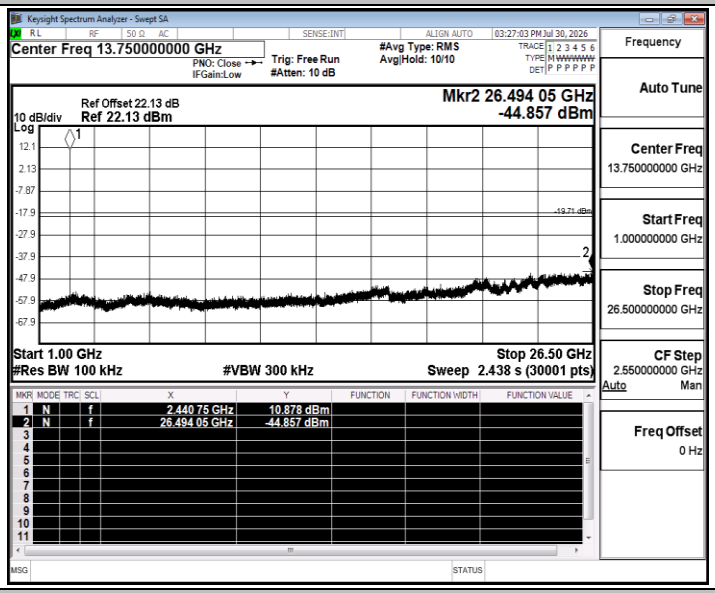
DH5_Ant1_2441_0~Reference



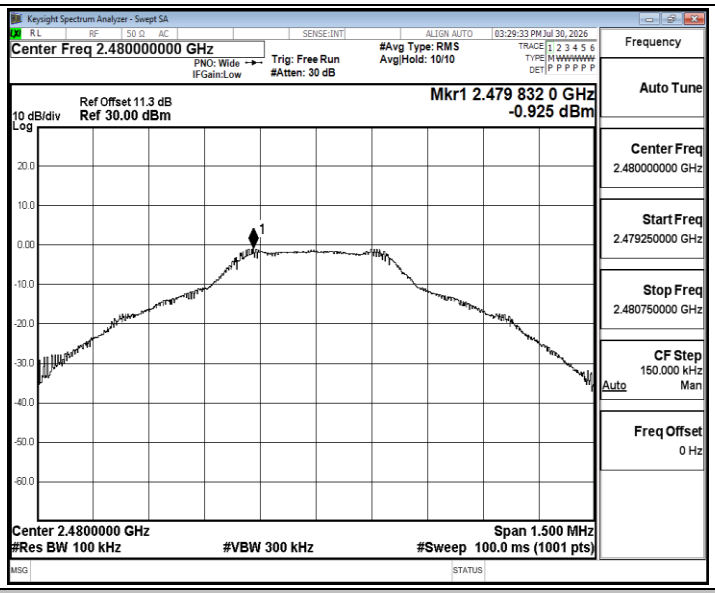
DH5_Ant1_2441_30~1000



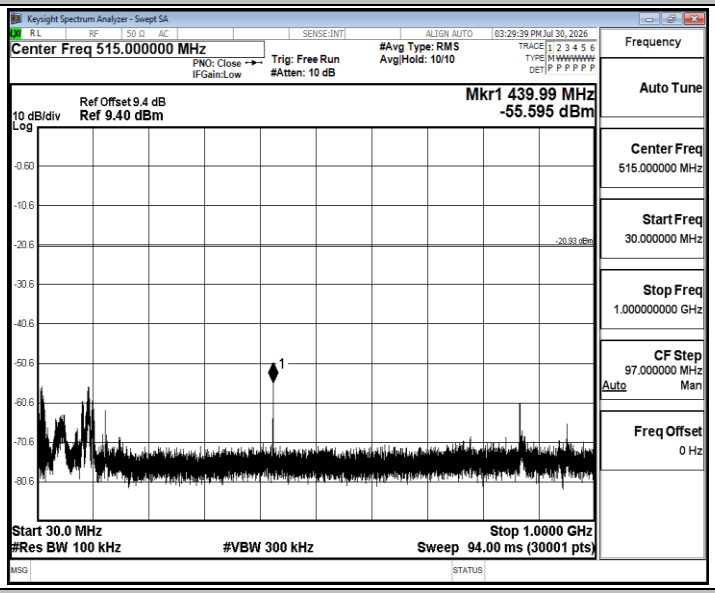
DH5_Ant1_2441_1000~26500



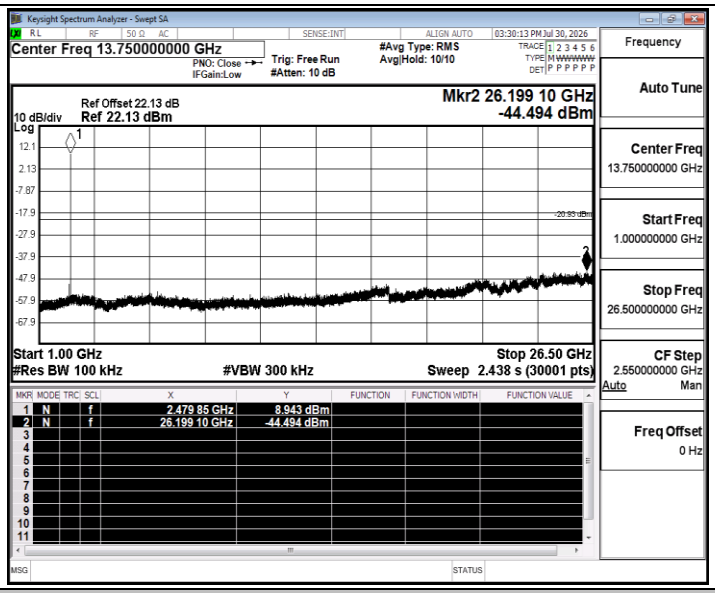
DH5_Ant1_2480_0~Reference



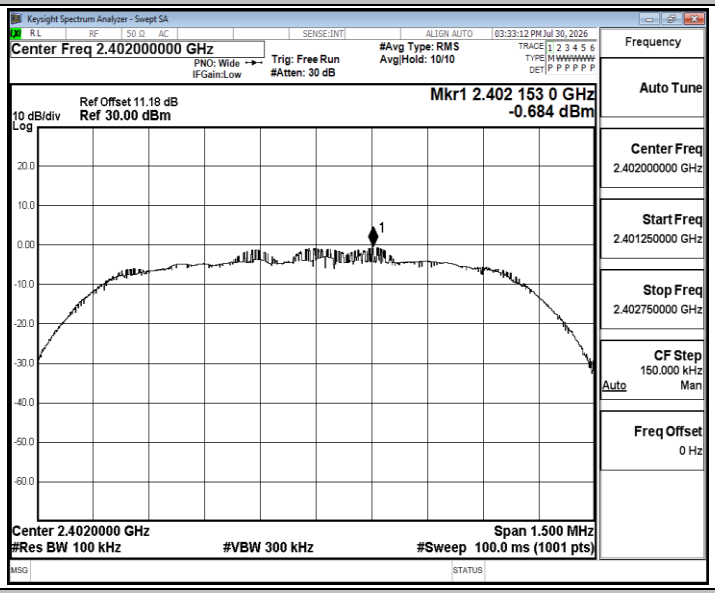
DH5_Ant1_2480_30~1000



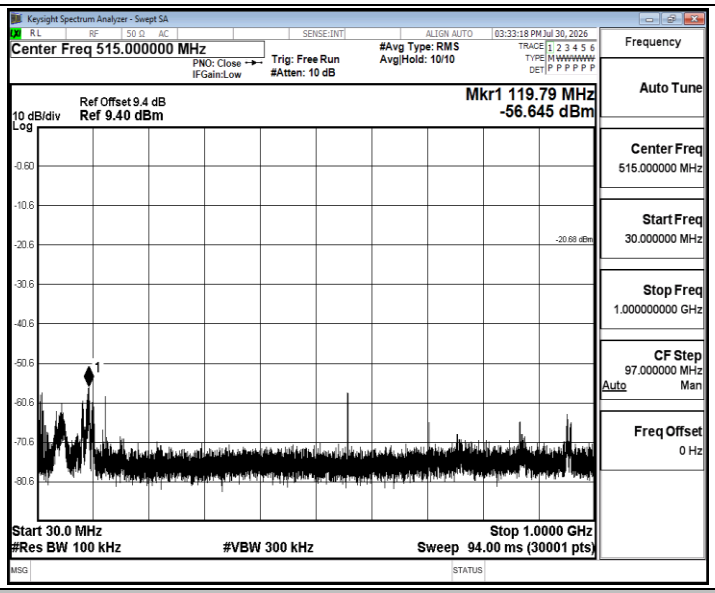
DH5_Ant1_2480_1000~26500



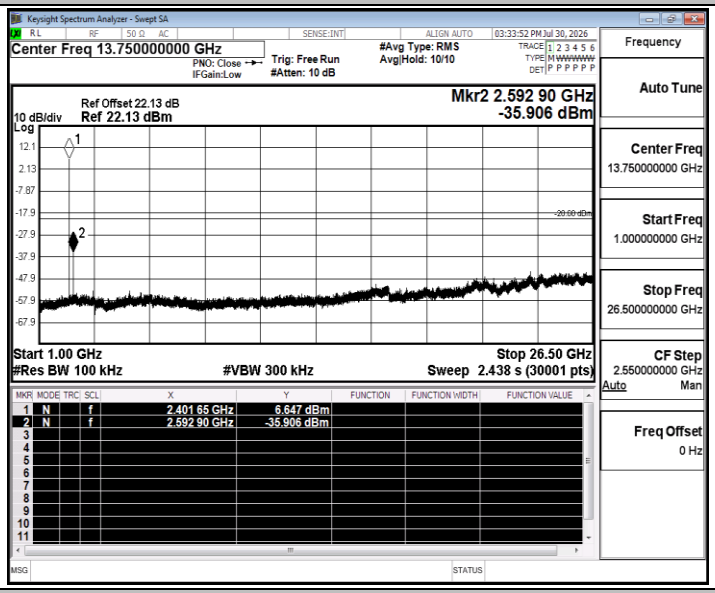
2DH5_Ant1_2402_0~Reference



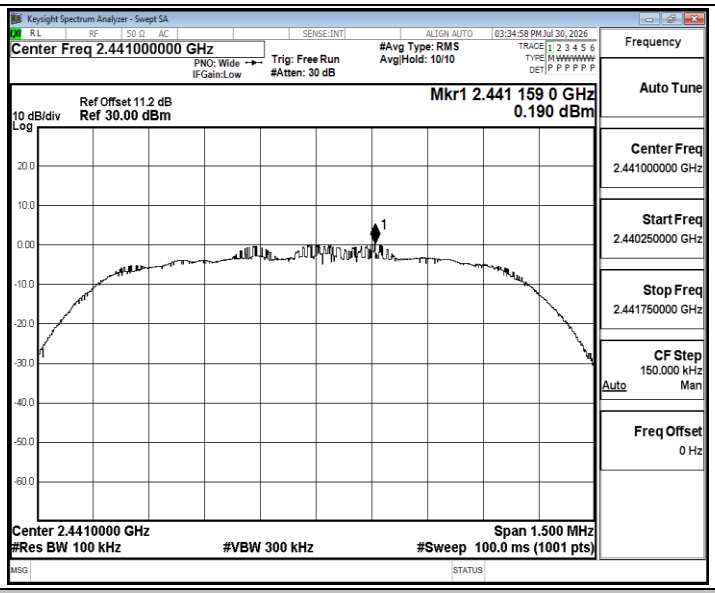
2DH5_Ant1_2402_30~1000



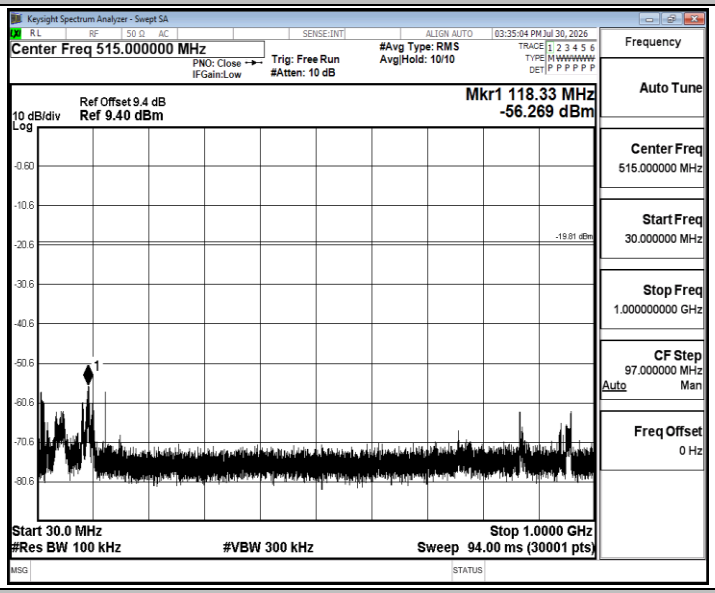
2DH5_Ant1_2402_1000~26500



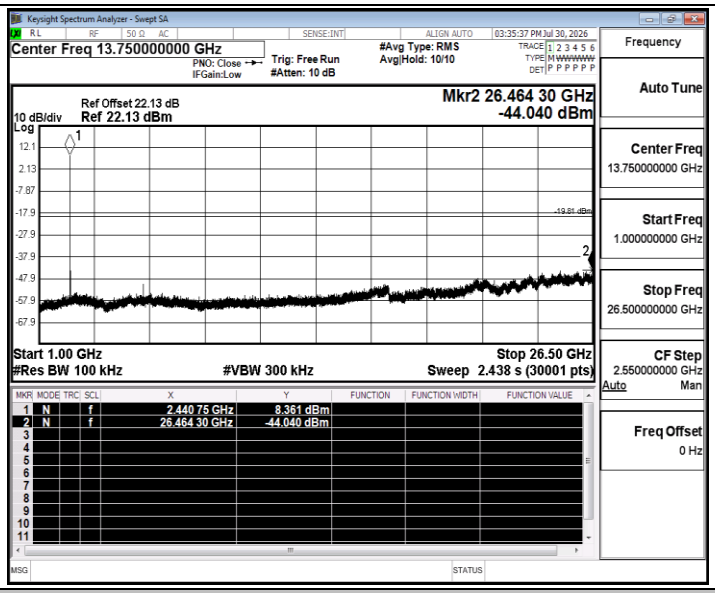
2DH5_Ant1_2441_0~Reference



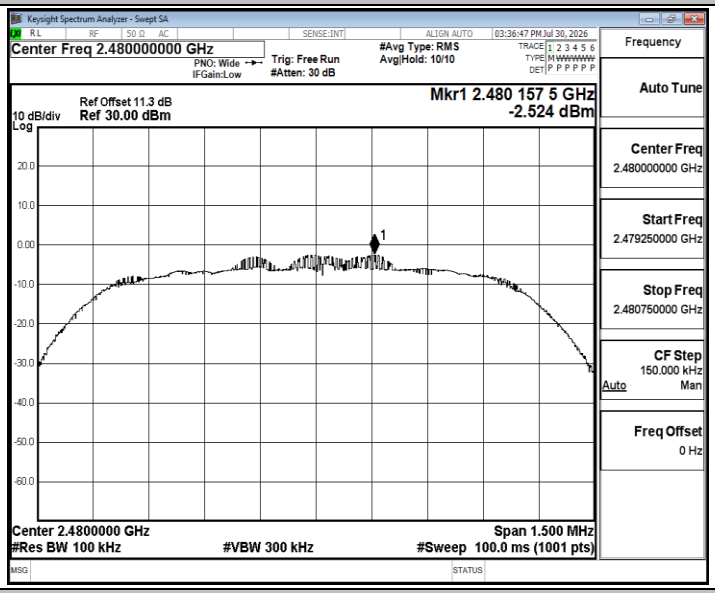
2DH5_Ant1_2441_30~1000



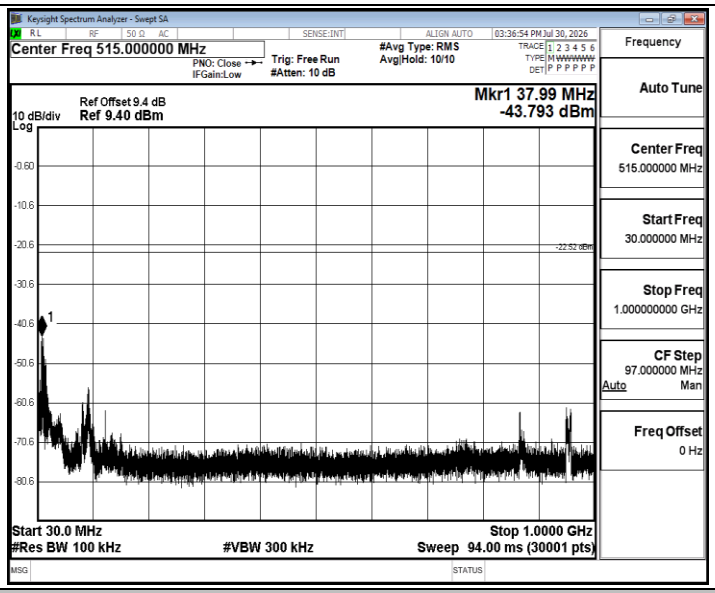
2DH5_Ant1_2441_1000~26500



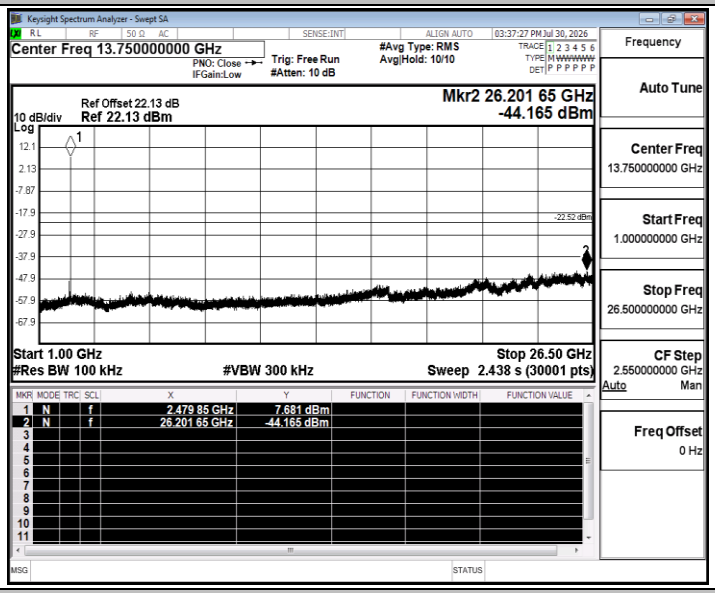
2DH5_Ant1_2480_0~Reference



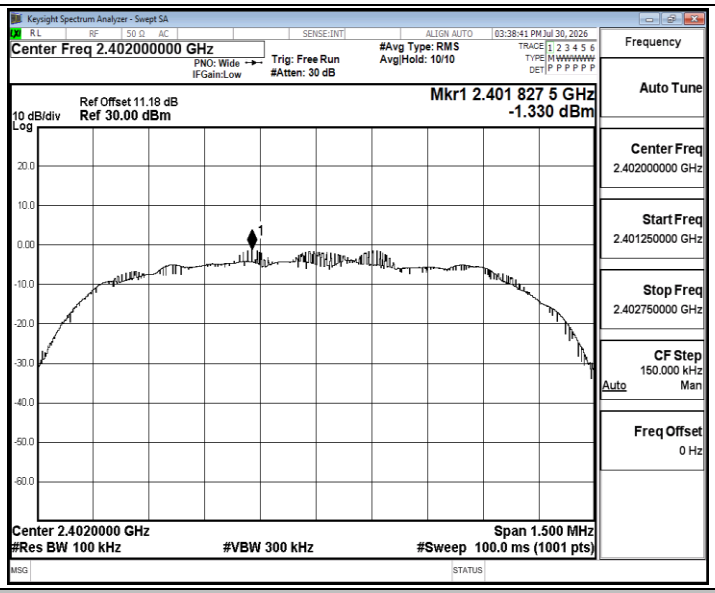
2DH5_Ant1_2480_30~1000



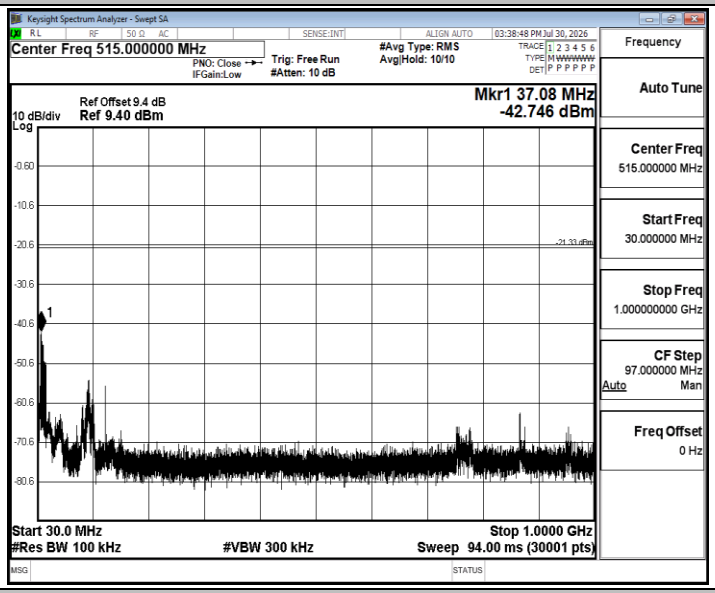
2DH5_Ant1_2480_1000~26500



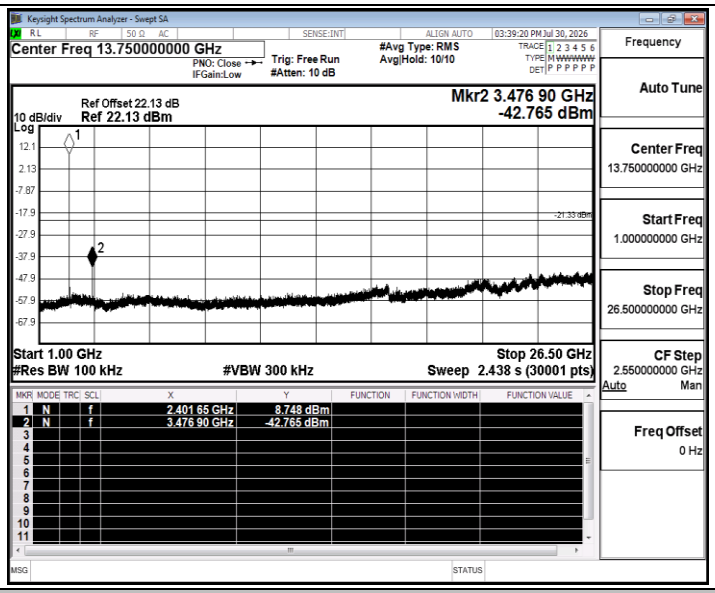
3DH5_Ant1_2402_0~Reference



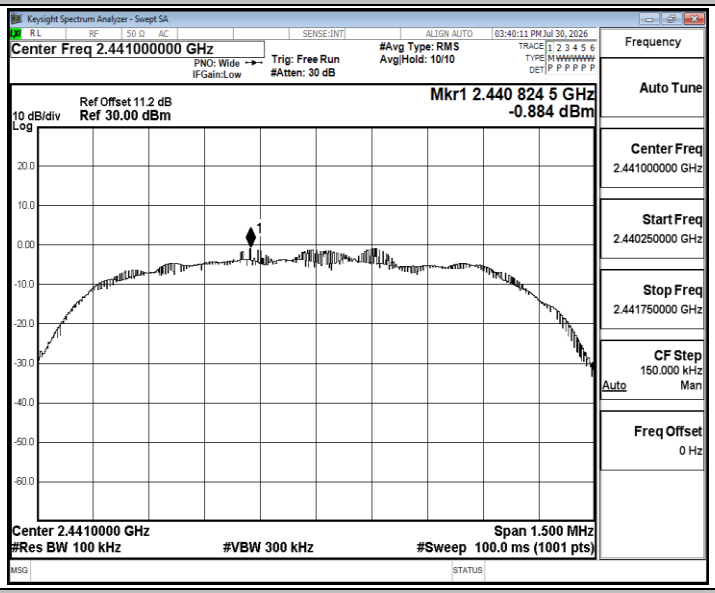
3DH5_Ant1_2402_30~1000



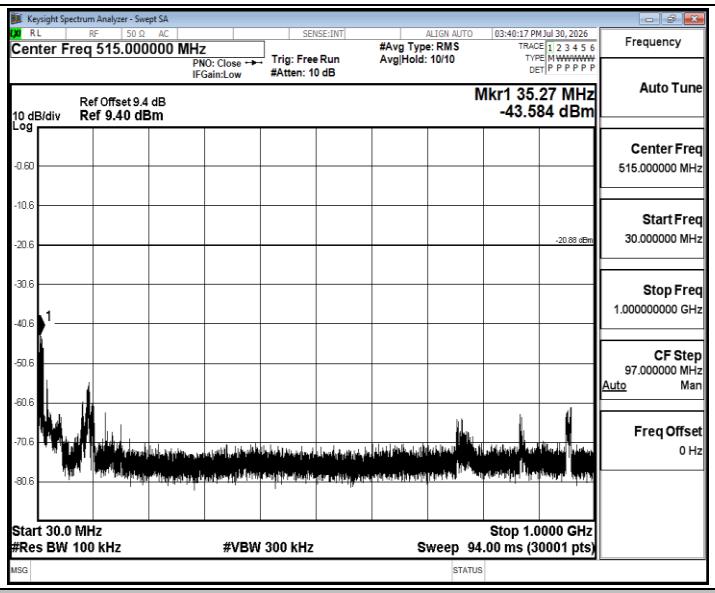
3DH5_Ant1_2402_1000~26500



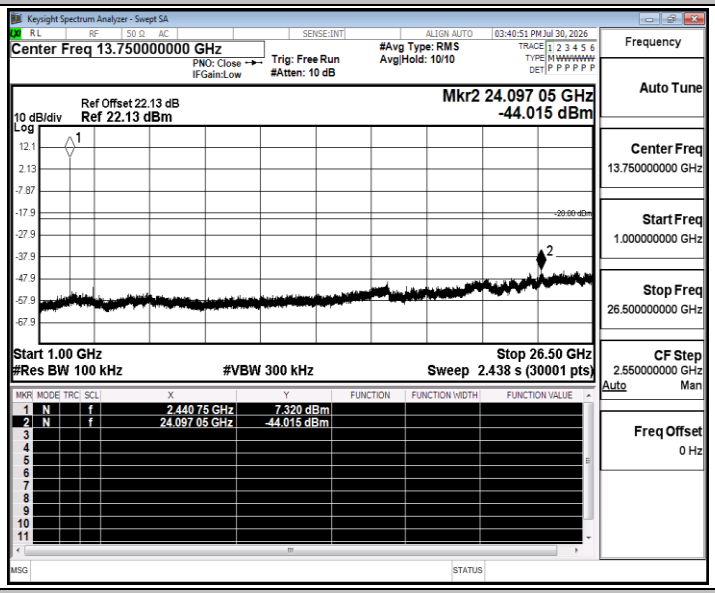
3DH5_Ant1_2441_0~Reference



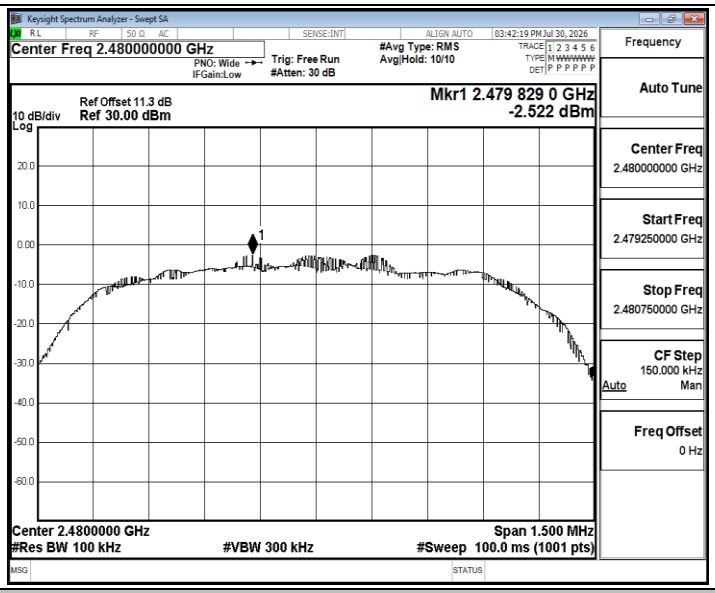
3DH5_Ant1_2441_30~1000



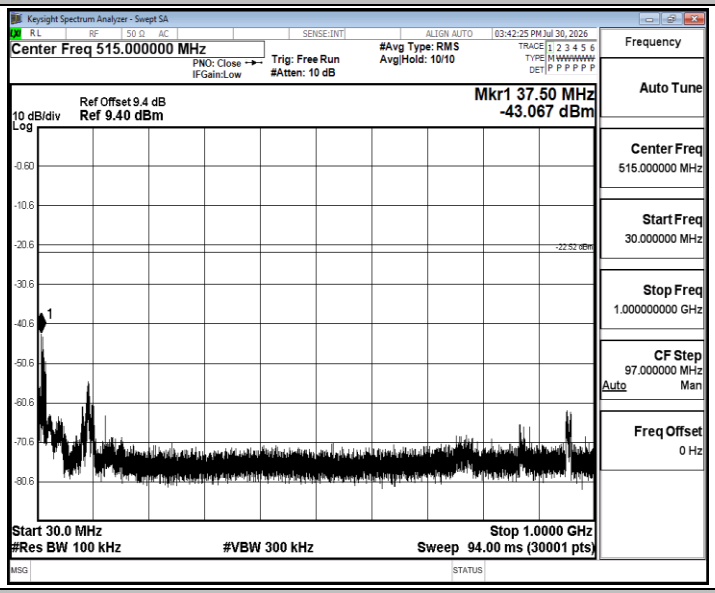
3DH5_Ant1_2441_1000~26500



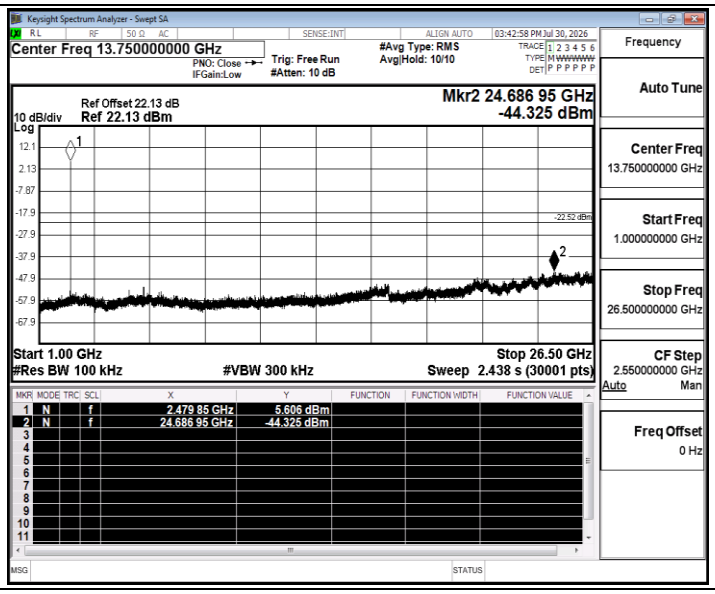
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_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
03:42:58 PM Jul 30, 2026
Frequency
Auto Tune
Ref Offset 22.13 dB
10 dB/div
Log
Ref 22.13 dBm
Mkr2 24.686 95 GHz
-44.325 dBm
12.1
2.13
-7.87
-17.9
-27.9
-37.9
-47.9
-57.9
-67.9
-22.52 dBm
Start 1.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 26.50 GHz
Sweep 2.438 s (30001 pts)
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
MKR MODE TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE
1 N f 2.479 85 GHz 5.606 dBm
2 N f 24.686 95 GHz -44.325 dBm
MSG
STATUS

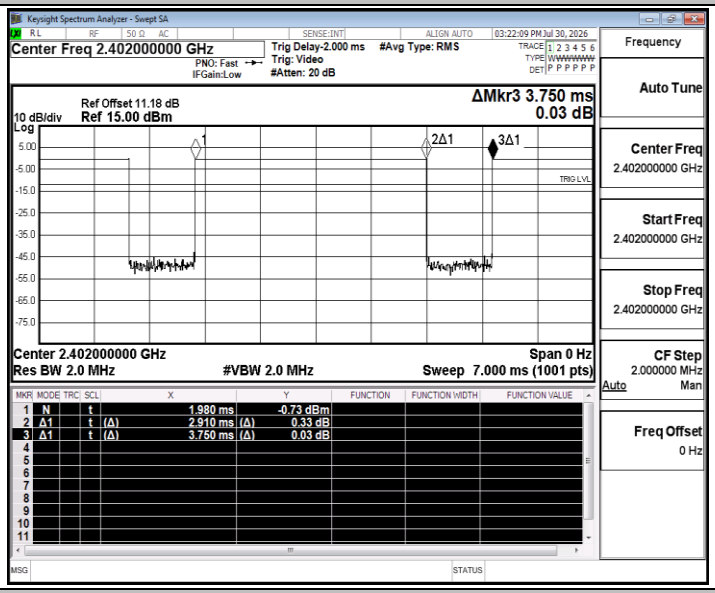
A.8 Duty Cycle

Test Result

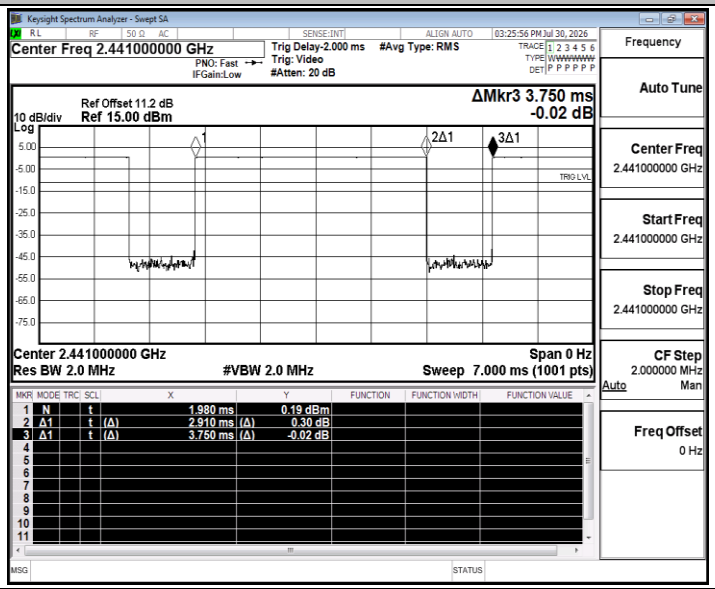
TestMode	Antenna	Freq (MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.75	77.60	1.10	---	---
2DH5	Ant1	2402	2.90	3.75	77.33	1.12	---	---
		2441	2.89	3.75	77.07	1.13	---	---
		2480	2.90	3.76	77.13	1.13	---	---
3DH5	Ant1	2402	2.89	3.75	77.07	1.13	---	---
		2441	2.90	3.75	77.33	1.12	---	---
		2480	2.90	3.75	77.33	1.12	---	---

Test Graphs

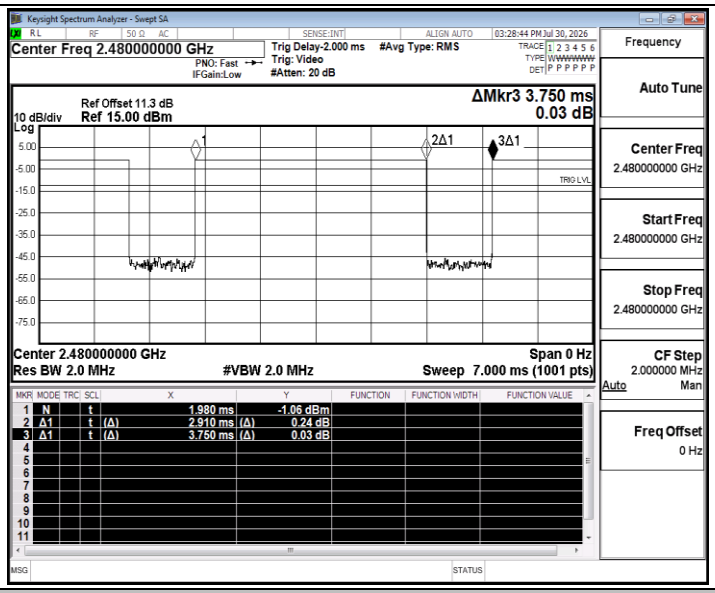
DH5_Ant1_2402



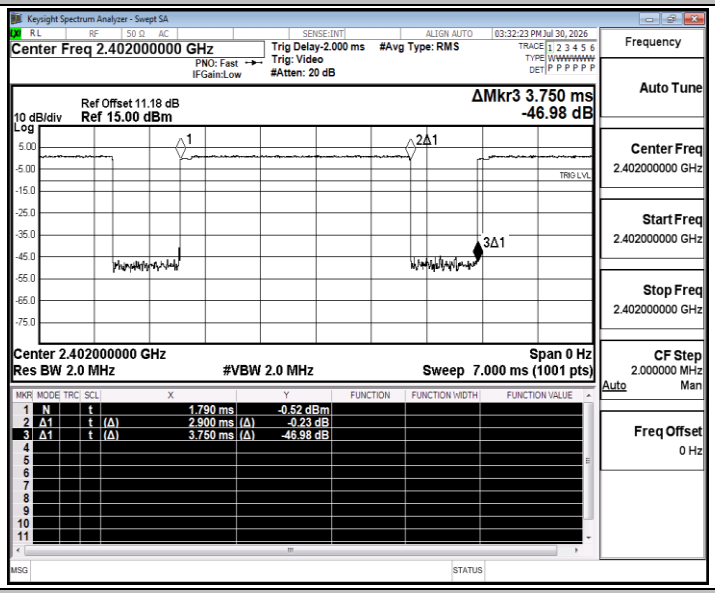
DH5_Ant1_2441



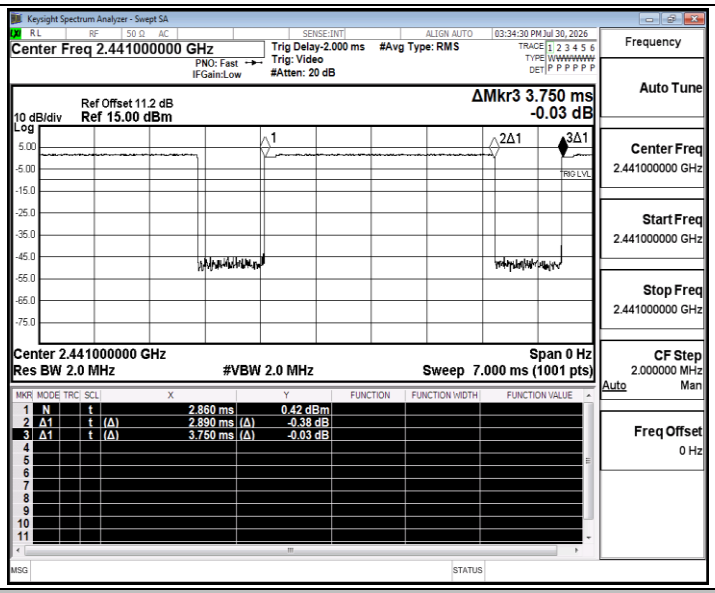
DH5_Ant1_2480



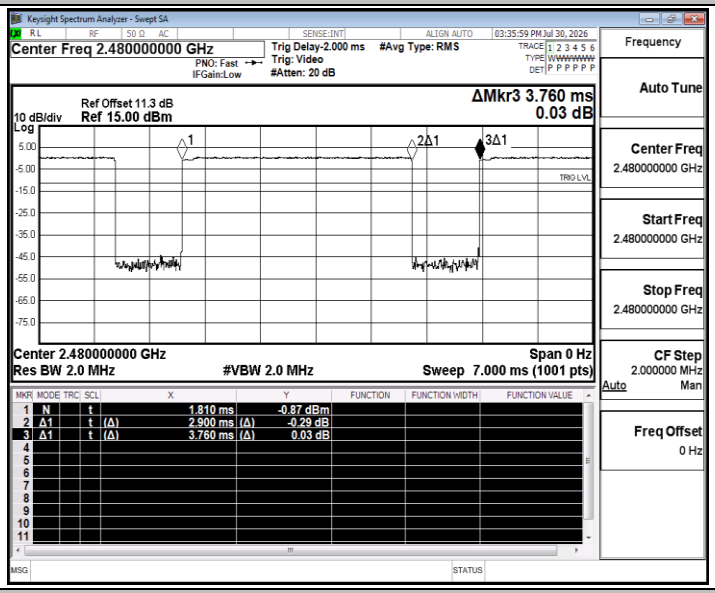
2DH5_Ant1_2402



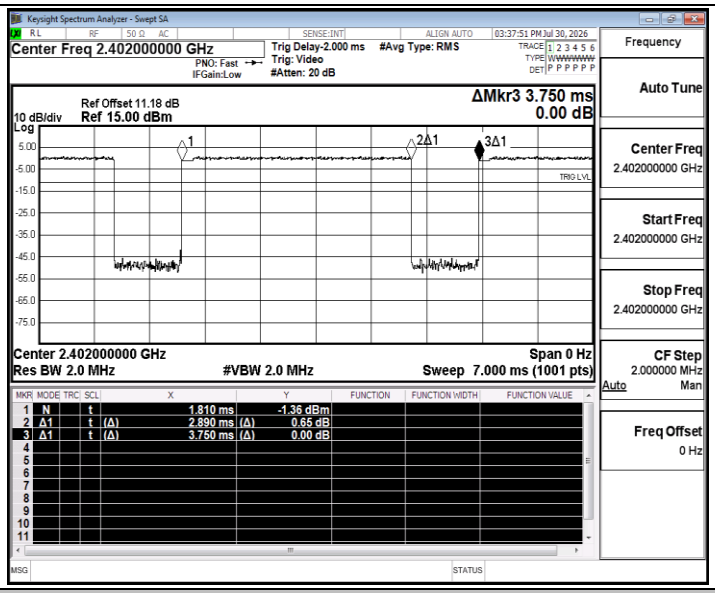
2DH5_Ant1_2441



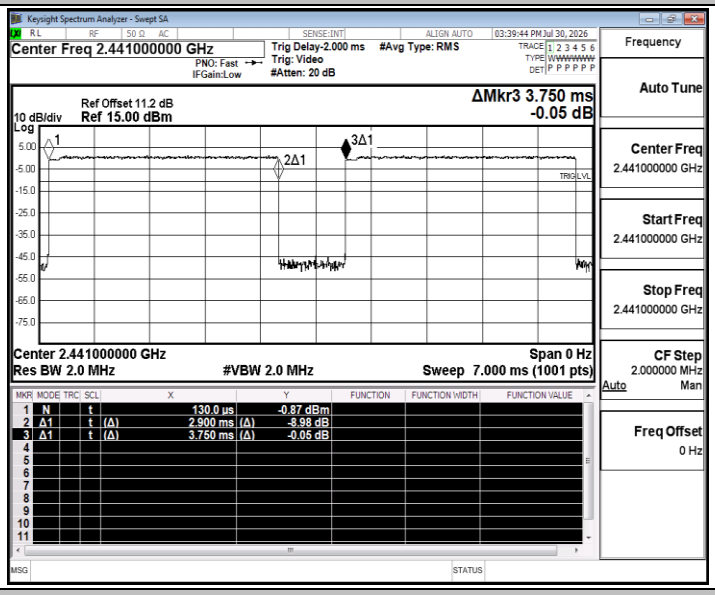
2DH5_Ant1_2480



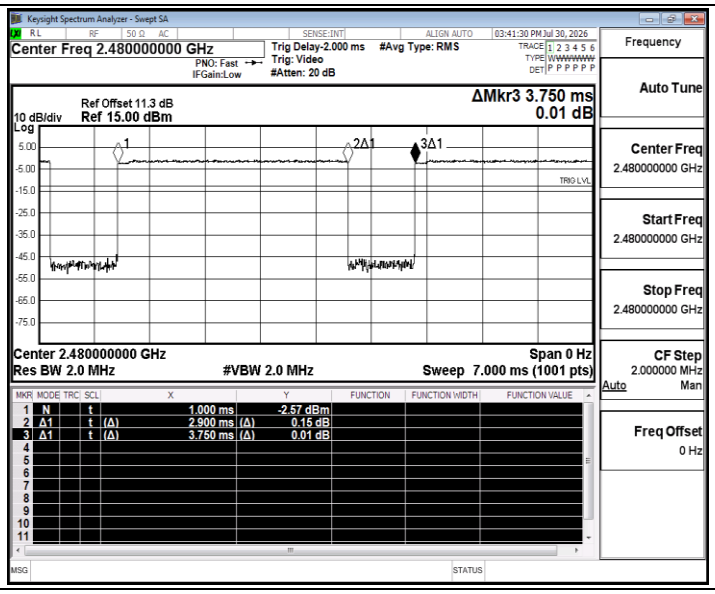
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480


Keysight Spectrum Analyzer - Swept SA
Center Freq 2.480000000 GHz
PNO: Fast
IFGain:Low
Trig Delay-2.000 ms
Trig: Video
#Avg Type: RMS
#Atten: 20 dB
03:41:30 PM Jul 30, 2026
Ref Offset 11.3 dB
10 dB/div Ref 15.00 dBm
ΔMkr3 3.750 ms
0.01 dB
Center 2.480000000 GHz
Res BW 2.0 MHz
#VBW 2.0 MHz
Span 0 Hz
Sweep 7.000 ms (1001 pts)
1 N 1 t 1.000 ms -2.57 dBm
2 Δ1 t (Δ) 2.900 ms (Δ) 0.15 dB
3 Δ1 t (Δ) 3.750 ms (Δ) 0.01 dB
Frequency
Auto Tune
Center Freq
2.480000000 GHz
Start Freq
2.480000000 GHz
Stop Freq
2.480000000 GHz
CF Step
2.000000 MHz
Auto Man
Freq Offset
0 Hz

A.9 Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq (MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-61.75	≤-44.30	2.50	1.1	37.05	≤54	PASS
				AV	2387.675	-61.13	≤-44.30	2.50	1.1	37.67	≤54	PASS
				AV	2390.000	-61.92	≤-44.30	2.50	1.1	36.88	≤54	PASS
				Peak	2310.000	-54.22	≤-23.20	2.50	0	43.48	≤74	PASS
				Peak	2386.415	-50.87	≤-23.20	2.50	0	46.83	≤74	PASS
				Peak	2390.000	-54.87	≤-23.20	2.50	0	42.83	≤74	PASS
		High	2480	AV	2483.500	-60.6	≤-44.30	2.50	1.1	38.20	≤54	PASS
				AV	2483.600	-60.55	≤-44.30	2.50	1.1	38.25	≤54	PASS
				AV	2500.000	-61.48	≤-44.30	2.50	1.1	37.32	≤54	PASS
				Peak	2483.500	-53.11	≤-23.20	2.50	0	44.59	≤74	PASS
				Peak	2494.560	-49.83	≤-23.20	2.50	0	47.87	≤74	PASS
				Peak	2500.000	-53.61	≤-23.20	2.50	0	44.09	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-53.4	≤-23.20	2.50	0	44.30	≤74	PASS
				Peak	2322.155	-50.87	≤-23.20	2.50	0	46.83	≤74	PASS
				Peak	2390.000	-52.92	≤-23.20	2.50	0	44.78	≤74	PASS
		High	Hop_2480	Peak	2483.500	-51.83	≤-23.20	2.50	0	45.87	≤74	PASS
				Peak	2494.160	-50.83	≤-23.20	2.50	0	46.87	≤74	PASS
				Peak	2500.000	-52.48	≤-23.20	2.50	0	45.22	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-62.4	≤-44.32	2.50	1.12	36.42	≤54	PASS
				AV	2341.685	-61.13	≤-44.32	2.50	1.12	37.69	≤54	PASS
				AV	2390.000	-61.91	≤-44.32	2.50	1.12	36.91	≤54	PASS
				Peak	2310.000	-54.14	≤-23.20	2.50	0	43.56	≤74	PASS
				Peak	2317.955	-50.96	≤-23.20	2.50	0	46.74	≤74	PASS
				Peak	2390.000	-53.33	≤-23.20	2.50	0	44.37	≤74	PASS
		High	2480	AV	2483.500	-59.86	≤-44.33	2.50	1.13	38.97	≤54	PASS
				AV	2483.600	-59.36	≤-44.33	2.50	1.13	39.47	≤54	PASS
				AV	2500.000	-61.72	≤-44.33	2.50	1.13	37.11	≤54	PASS
				Peak	2483.500	-47.21	≤-23.20	2.50	0	50.49	≤74	PASS
				Peak	2483.520	-47.21	≤-23.20	2.50	0	50.49	≤74	PASS
				Peak	2500.000	-53.3	≤-23.20	2.50	0	44.40	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-53.07	≤-23.20	2.50	0	44.63	≤74	PASS
				Peak	2356.700	-49.35	≤-23.20	2.50	0	48.35	≤74	PASS
				Peak	2390.000	-54.4	≤-23.20	2.50	0	43.30	≤74	PASS
		High	Hop_2480	Peak	2483.500	-53.65	≤-23.20	2.50	0	44.05	≤74	PASS

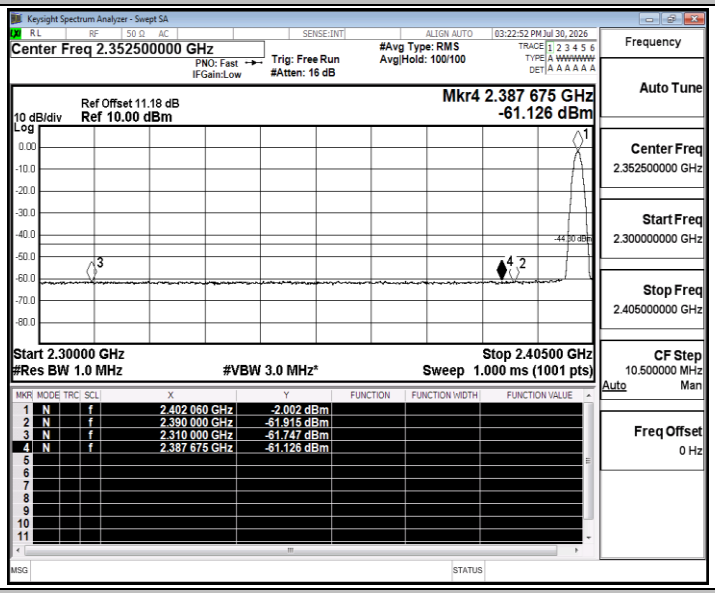
				Peak	2486.240	-51.11	≤-23.20	2.50	0	46.59	≤74	PASS
				Peak	2500.000	-53.4	≤-23.20	2.50	0	44.30	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-61.65	≤-44.33	2.50	1.13	37.18	≤54	PASS
				AV	2354.915	-61.12	≤-44.33	2.50	1.13	37.71	≤54	PASS
				AV	2390.000	-61.98	≤-44.33	2.50	1.13	36.85	≤54	PASS
				Peak	2310.000	-54.68	≤-23.20	2.50	0	43.02	≤74	PASS
				Peak	2327.615	-50.08	≤-23.20	2.50	0	47.62	≤74	PASS
				Peak	2390.000	-53.68	≤-23.20	2.50	0	44.02	≤74	PASS
		High	2480	AV	2483.500	-58.42	≤-44.32	2.50	1.12	40.40	≤54	PASS
				AV	2483.520	-58.42	≤-44.32	2.50	1.12	40.40	≤54	PASS
				AV	2500.000	-61.25	≤-44.32	2.50	1.12	37.57	≤54	PASS
				Peak	2483.500	-47.55	≤-23.20	2.50	0	50.15	≤74	PASS
				Peak	2483.600	-47.5	≤-23.20	2.50	0	50.20	≤74	PASS
				Peak	2500.000	-54.59	≤-23.20	2.50	0	43.11	≤74	PASS
		Low	Hop_2402	Peak	2310.000	-53.16	≤-23.20	2.50	0	44.54	≤74	PASS
				Peak	2310.500	-51.34	≤-23.20	2.50	0	46.36	≤74	PASS
				Peak	2390.000	-53.41	≤-23.20	2.50	0	44.29	≤74	PASS
		High	Hop_2480	Peak	2483.500	-54.11	≤-23.20	2.50	0	43.59	≤74	PASS
				Peak	2484.080	-49.54	≤-23.20	2.50	0	48.16	≤74	PASS
				Peak	2500.000	-53.74	≤-23.20	2.50	0	43.96	≤74	PASS

Note:

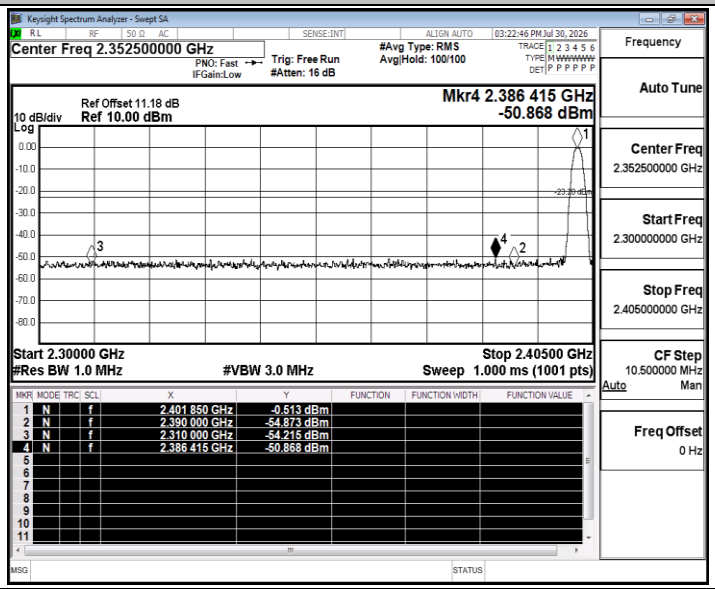
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

DH5_Ant1_Low_2402_AV



DH5_Ant1_Low_2402_Peak



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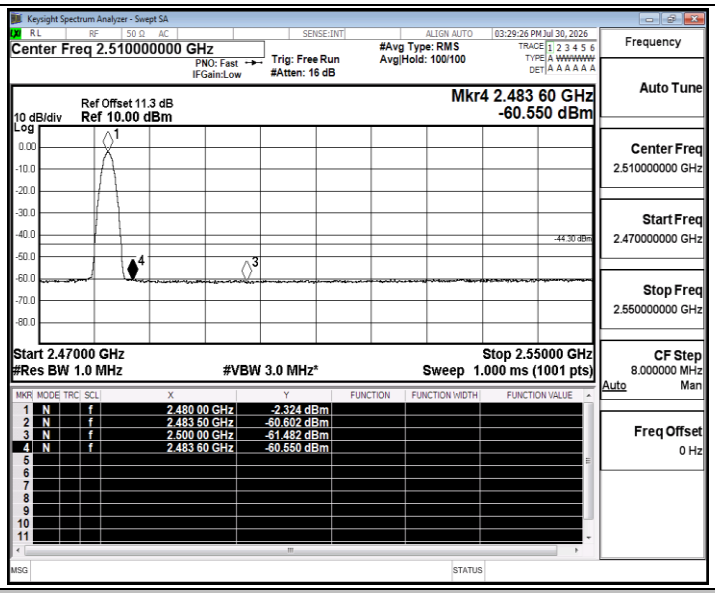

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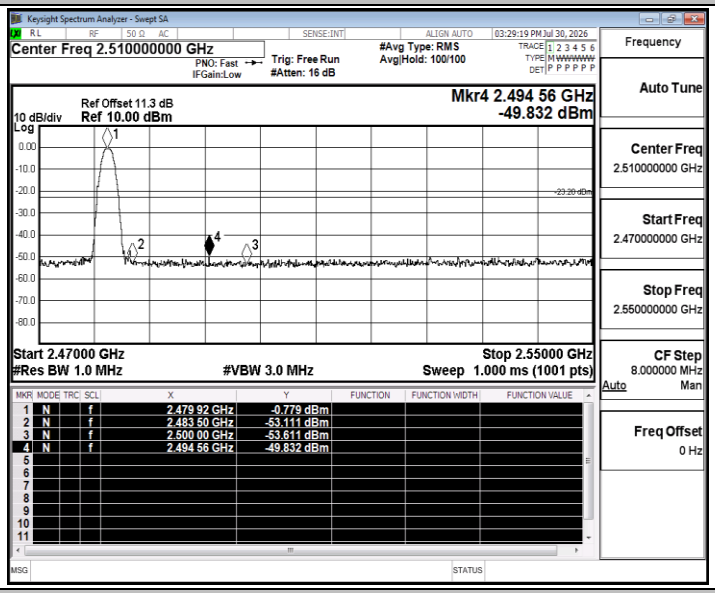

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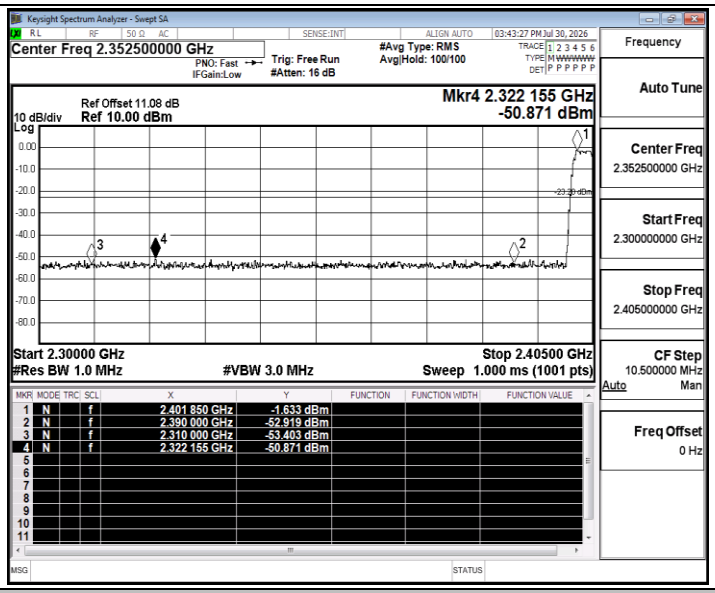

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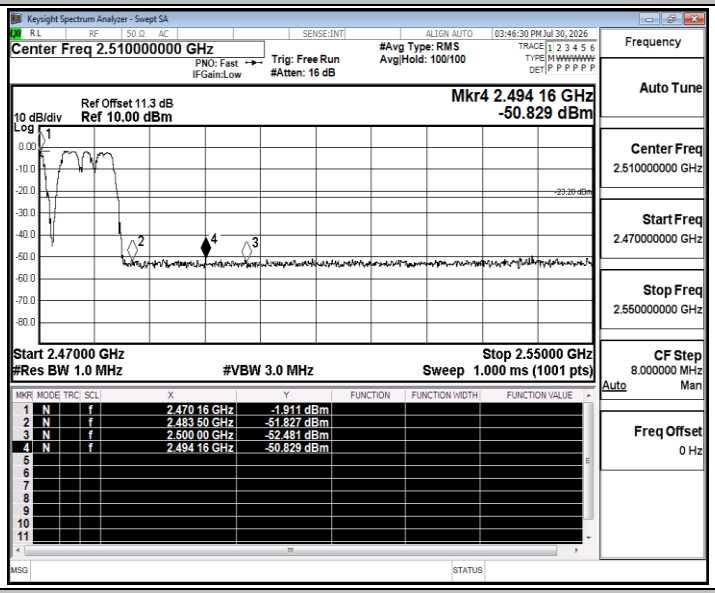

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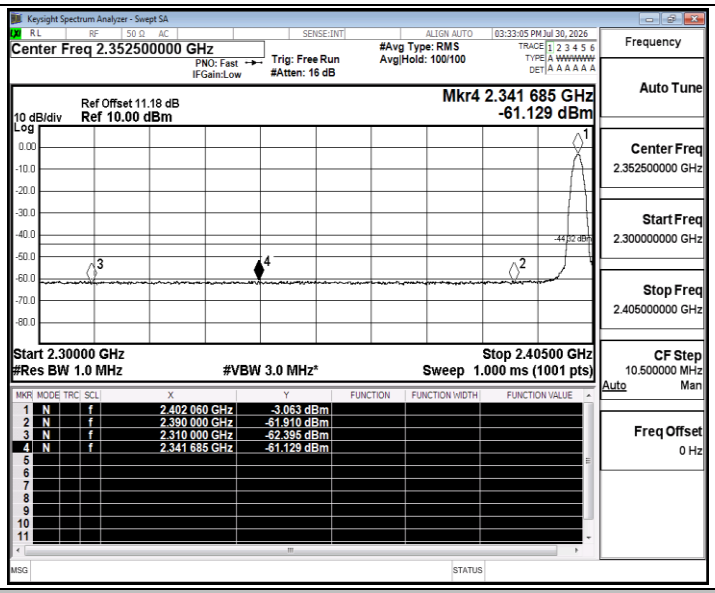

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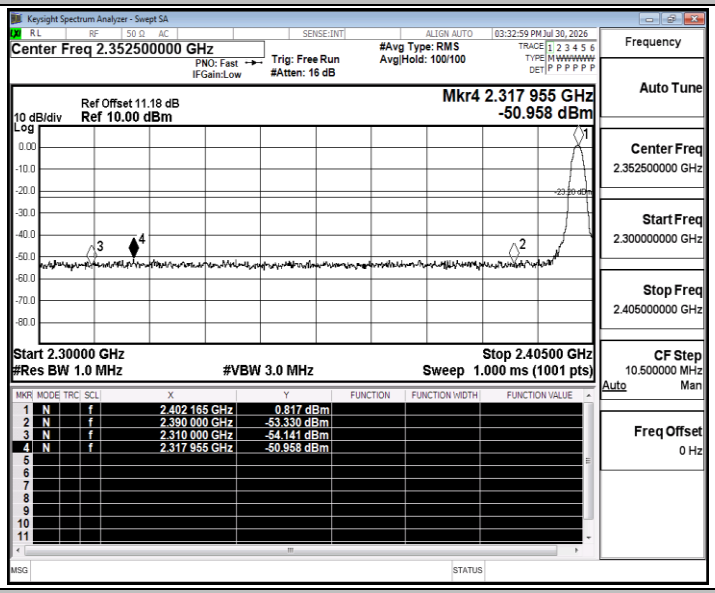

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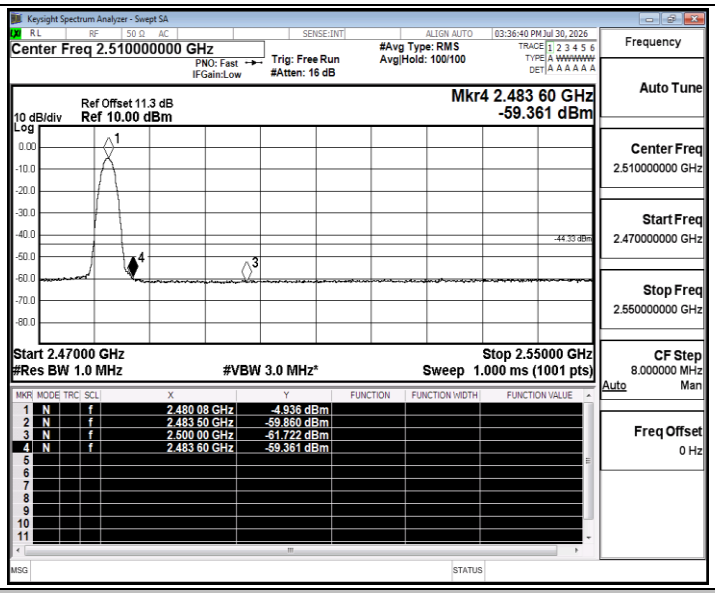

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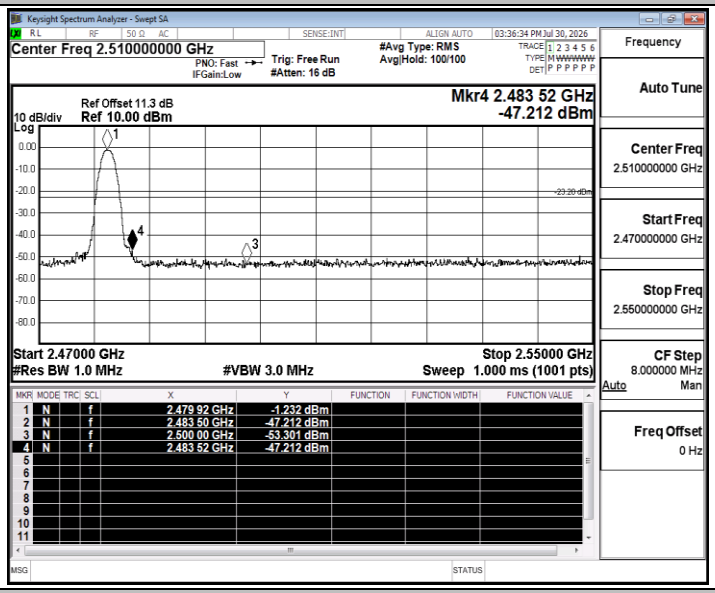

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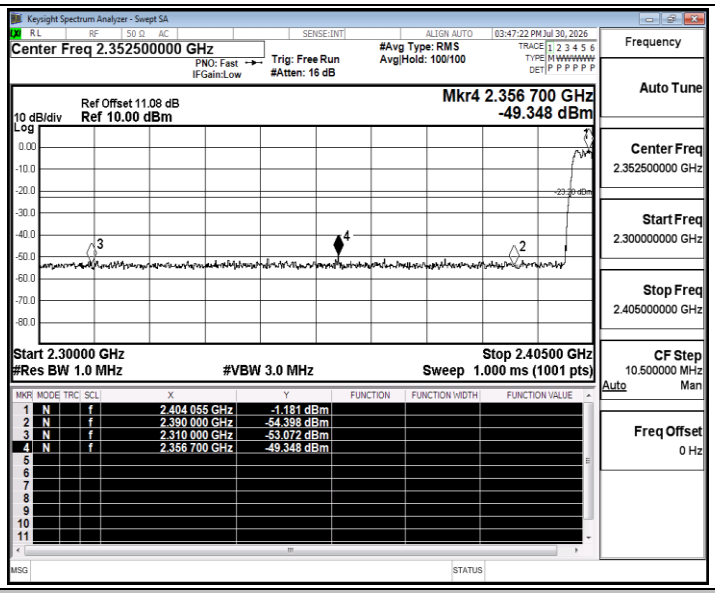

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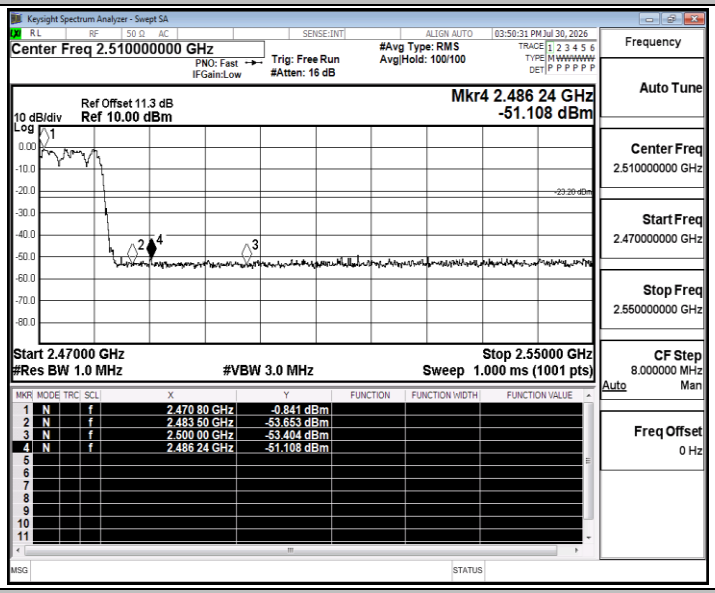

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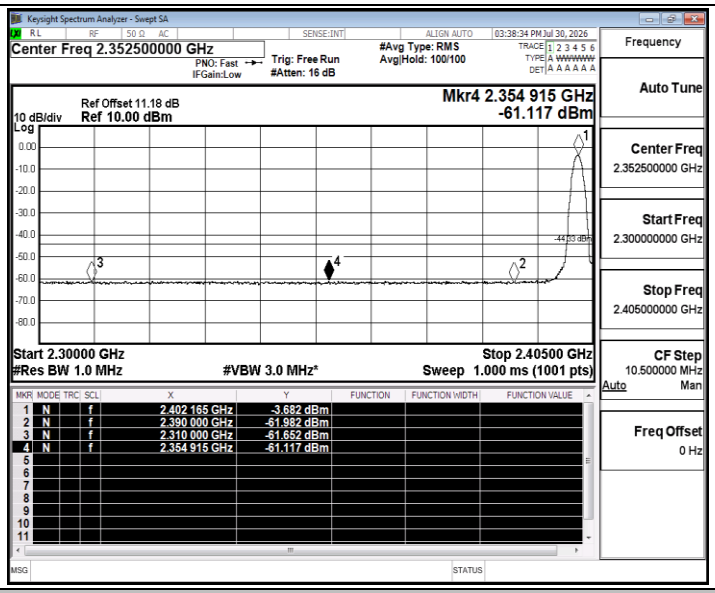

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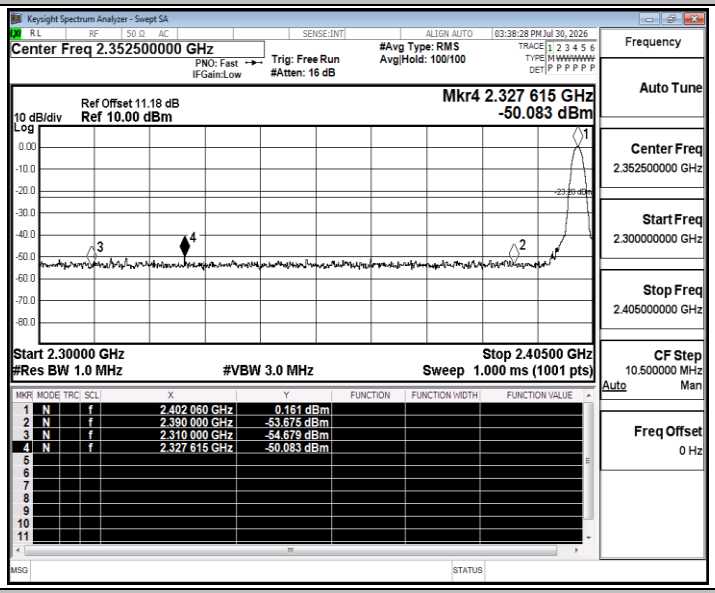

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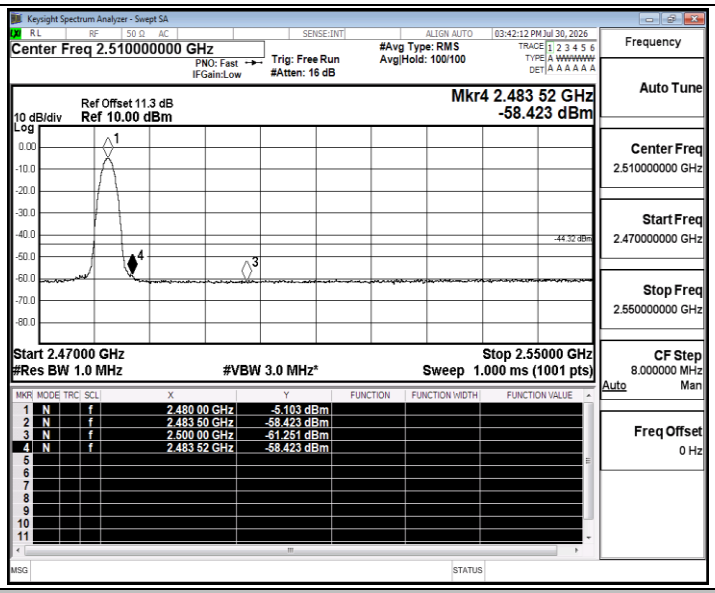

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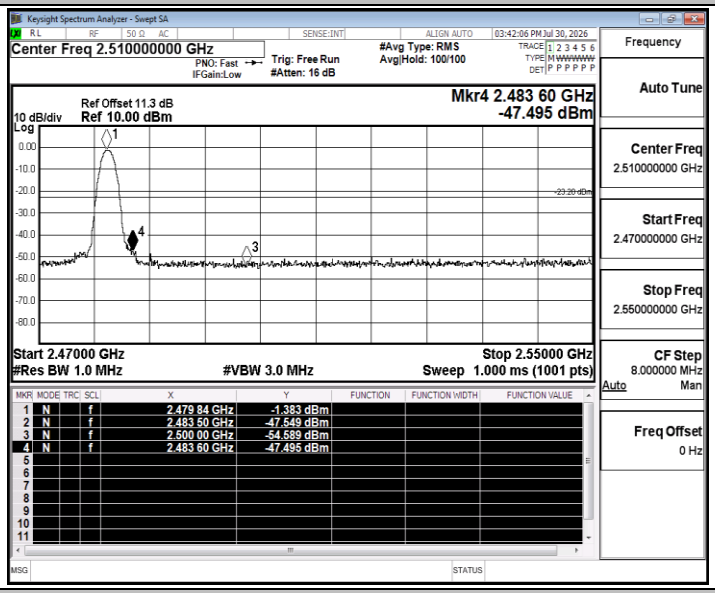

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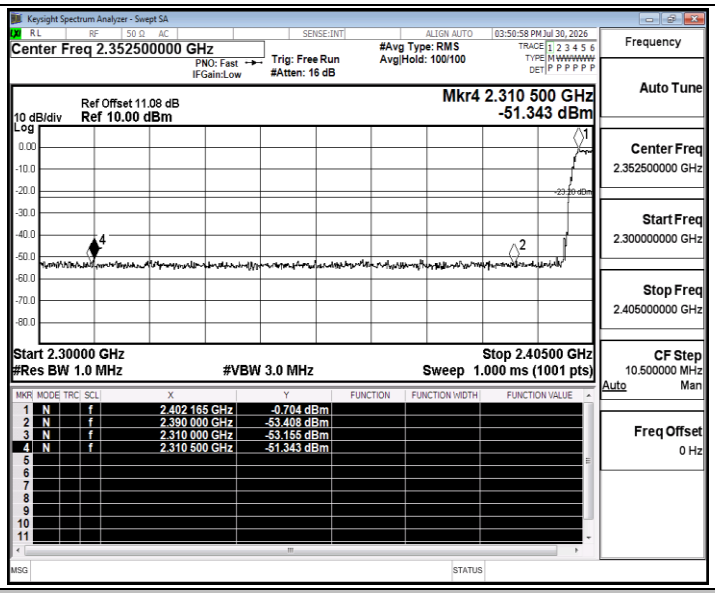
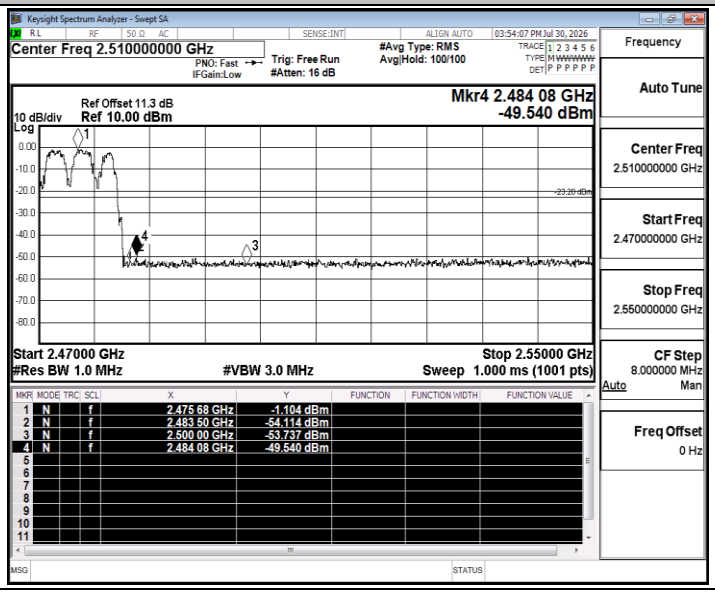
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