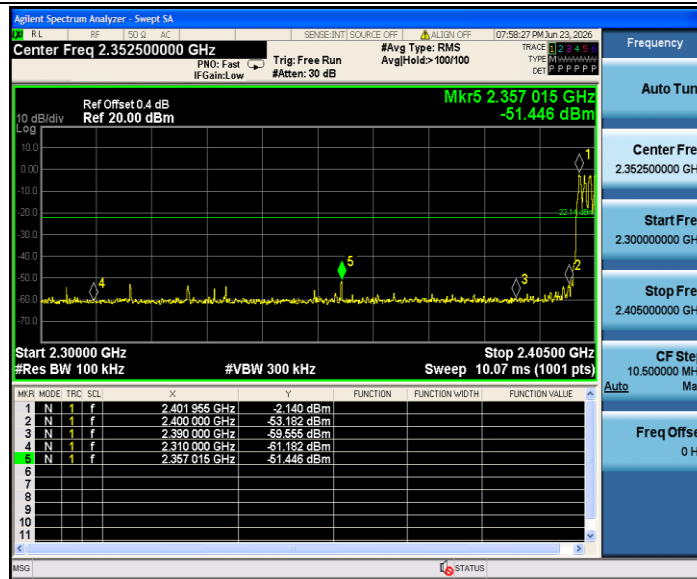
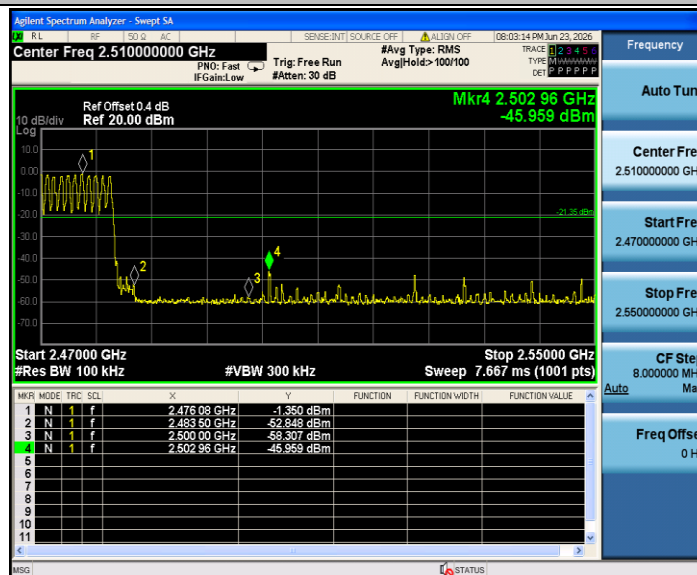
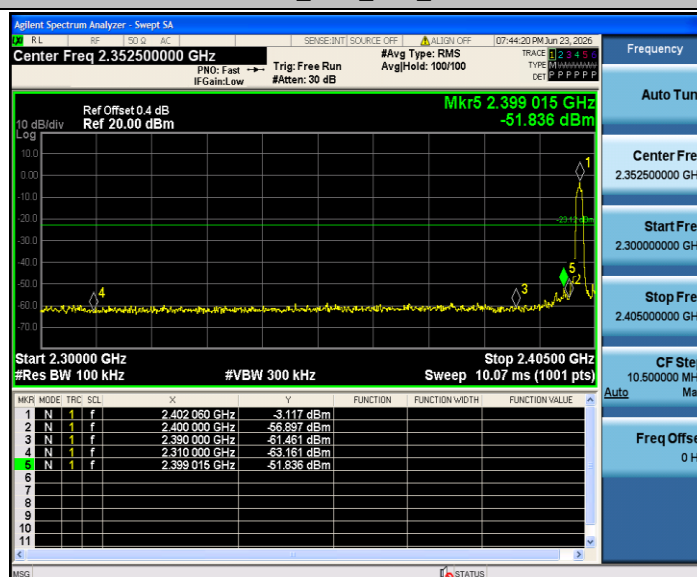




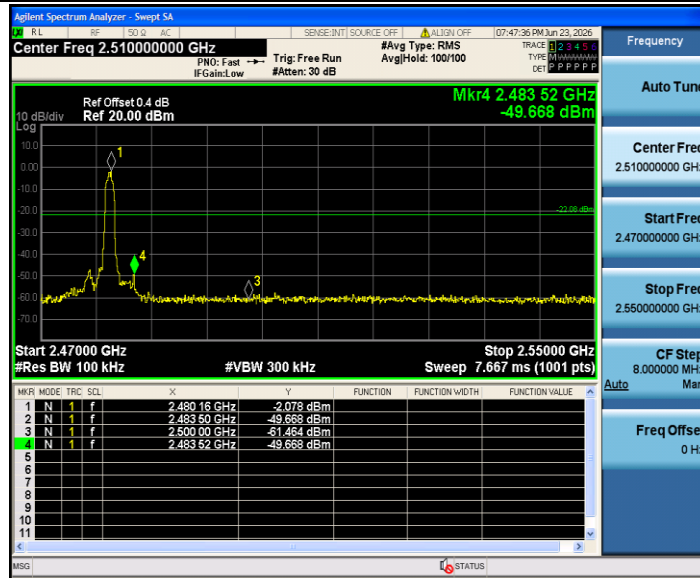
DH5_Ant1_High_Hop_2480



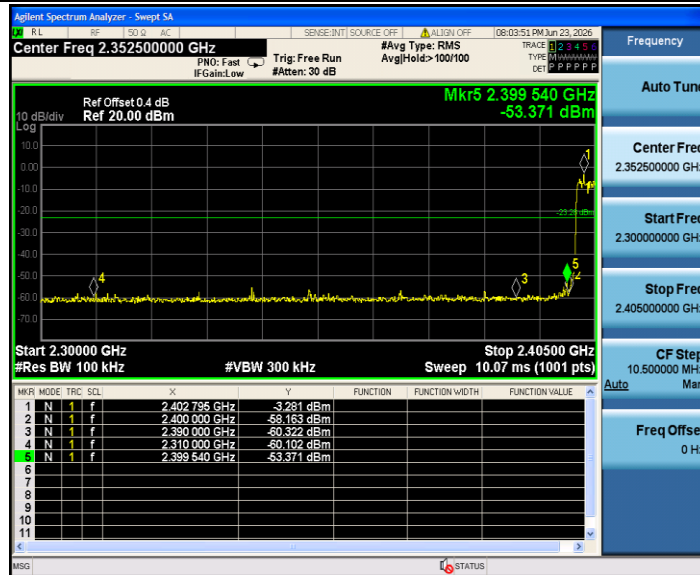
2DH5_Ant1_Low_2402



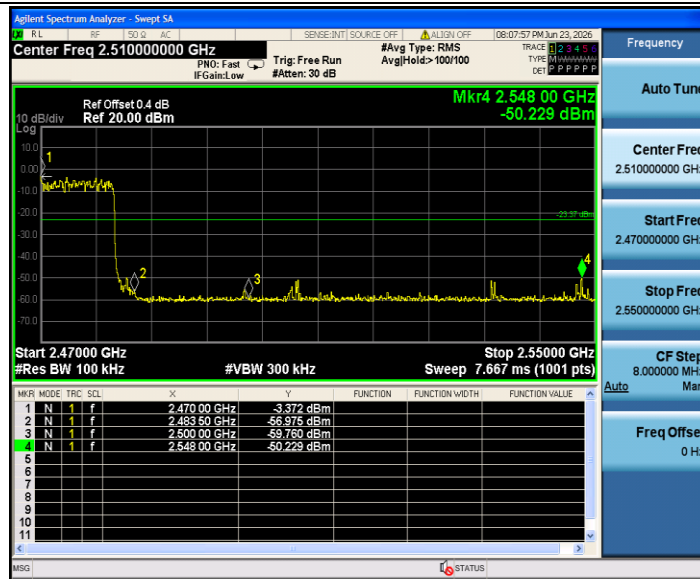
2DH5_Ant1_High_2480



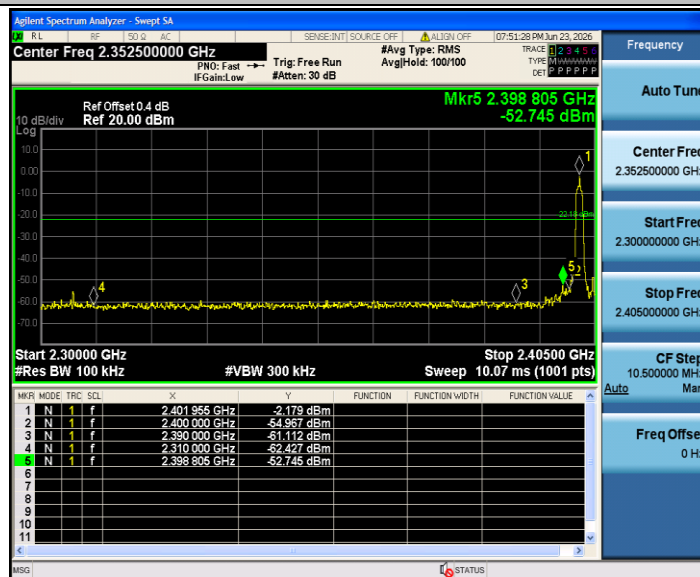
2DH5_Ant1_Low_Hop_2402



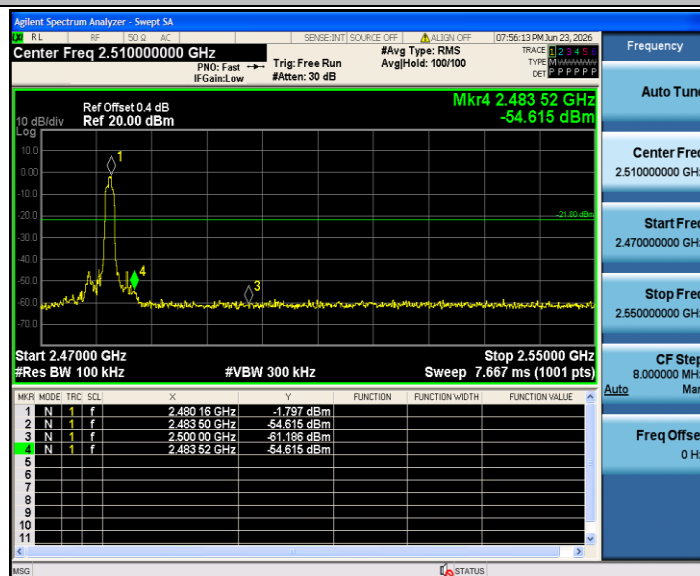
2DH5_Ant1_High_Hop_2480



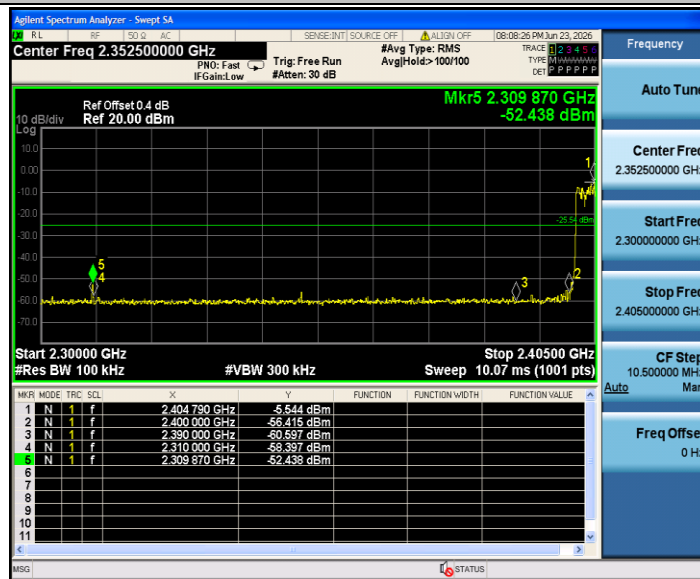
3DH5_Ant1_Low_2402



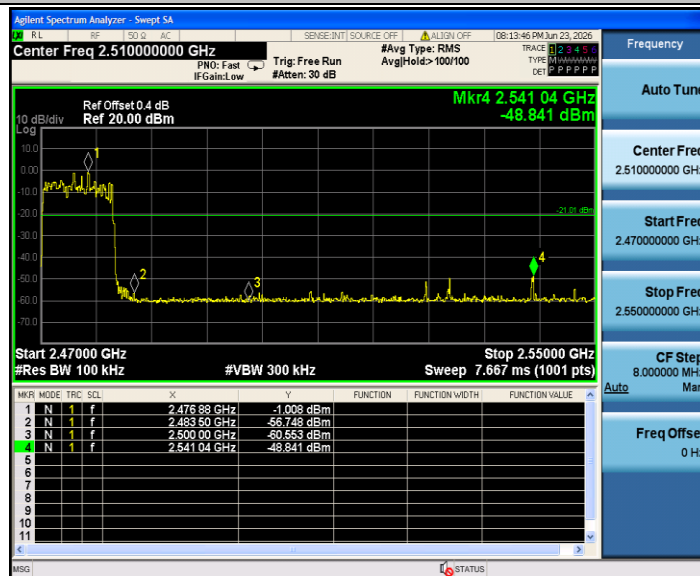
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

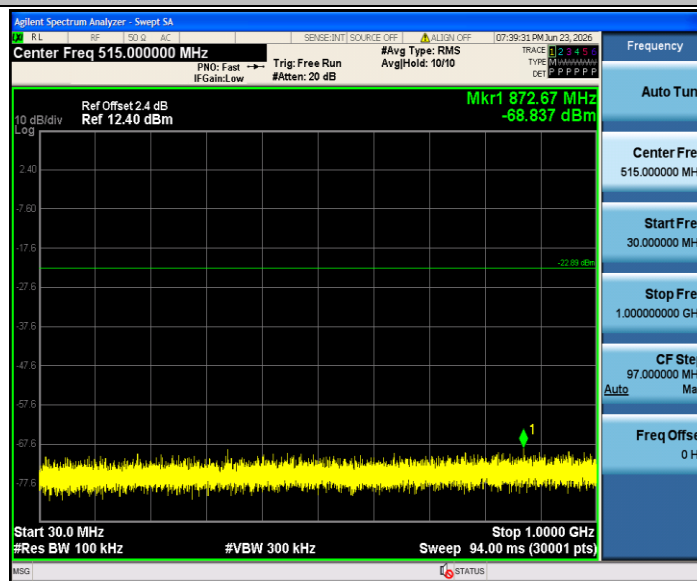
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.89	-2.89	---	PASS
			30~1000	-2.89	-68.84	≤-22.89	PASS
			1000~26500	-2.89	-40.47	≤-22.89	PASS
		2441	Reference	-2.24	-2.24	---	PASS
			30~1000	-2.24	-69.14	≤-22.24	PASS
			1000~26500	-2.24	-42.36	≤-22.24	PASS
		2480	Reference	-1.86	-1.86	---	PASS
			30~1000	-1.86	-69.21	≤-21.86	PASS
			1000~26500	-1.86	-40.14	≤-21.86	PASS
2DH5	Ant1	2402	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-64.71	≤-23.29	PASS
			1000~26500	-3.29	-40.37	≤-23.29	PASS
		2441	Reference	-6.05	-6.05	---	PASS
			30~1000	-6.05	-68.59	≤-26.05	PASS
			1000~26500	-6.05	-42.25	≤-26.05	PASS
		2480	Reference	-2.49	-2.49	---	PASS
			30~1000	-2.49	-68.7	≤-22.49	PASS
			1000~26500	-2.49	-39.95	≤-22.49	PASS
3DH5	Ant1	2402	Reference	-1.95	-1.95	---	PASS
			30~1000	-1.95	-69.01	≤-21.95	PASS
			1000~26500	-1.95	-40.75	≤-21.95	PASS
		2441	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-68.28	≤-21.32	PASS
			1000~26500	-1.32	-42.51	≤-21.32	PASS
		2480	Reference	-0.98	-0.98	---	PASS
			30~1000	-0.98	-64.87	≤-20.98	PASS
			1000~26500	-0.98	-40.22	≤-20.98	PASS

Test Graphs

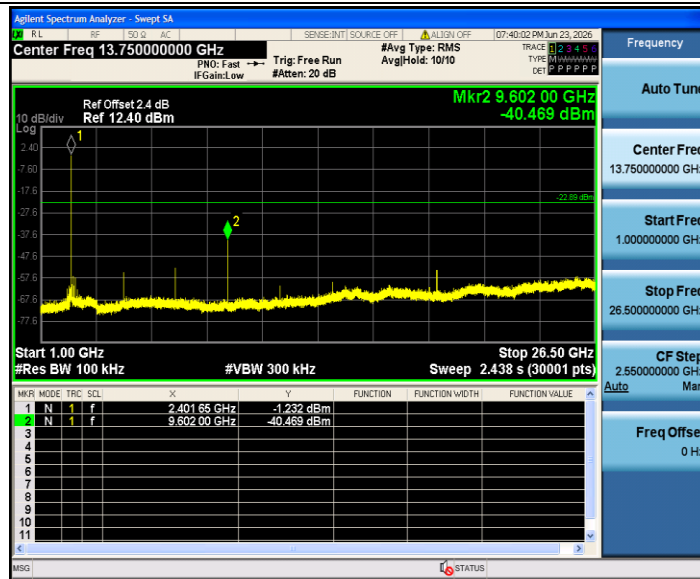
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



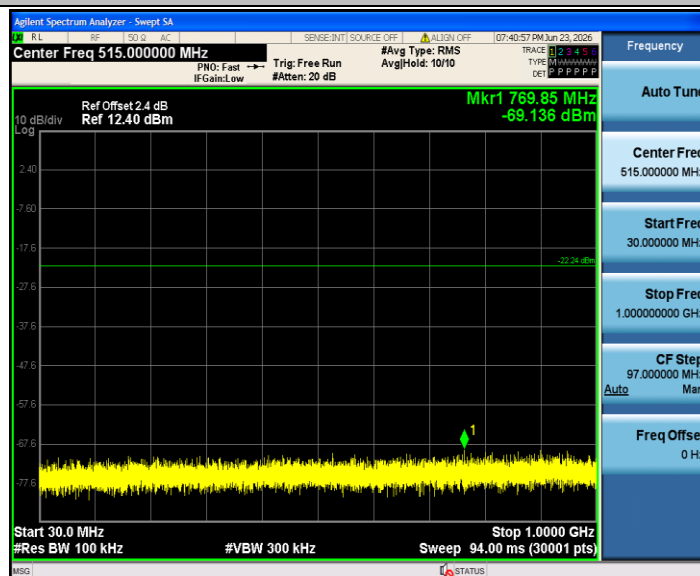
DH5_Ant1_2402_1000~26500



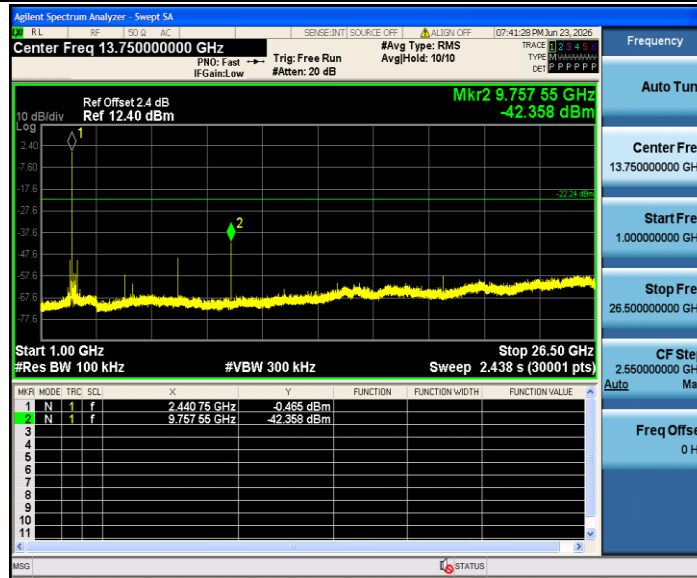
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



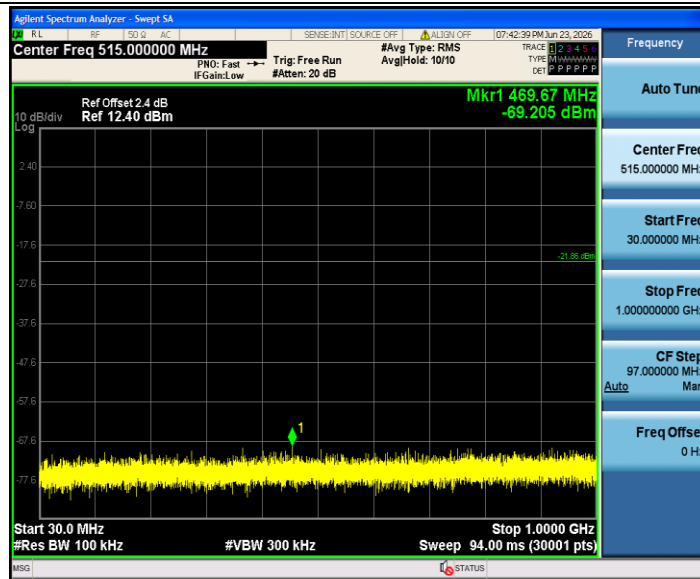
DH5_Ant1_2441_1000~26500



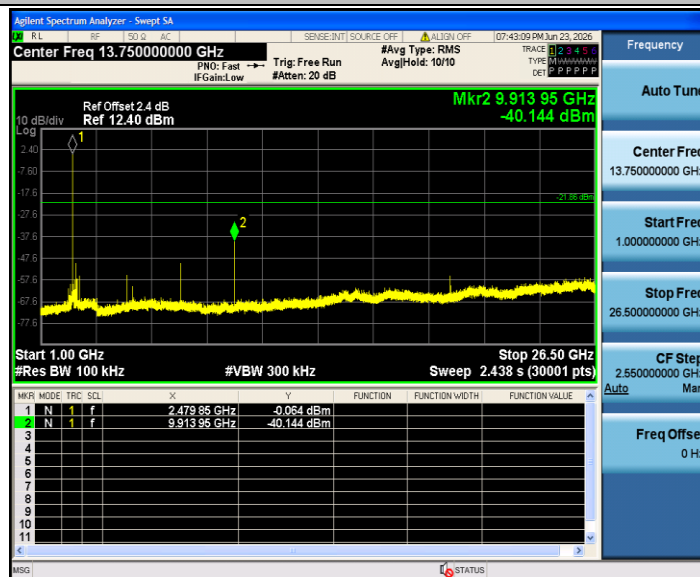
DH5_Ant1_2480_0~Reference



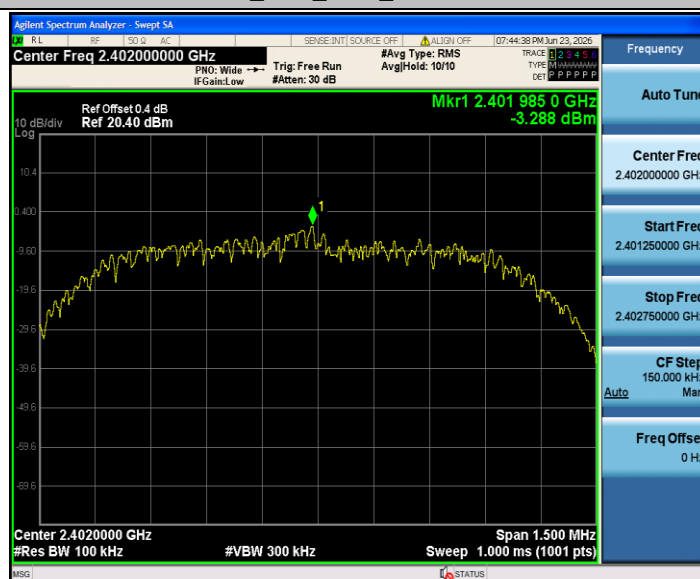
DH5_Ant1_2480_30~1000



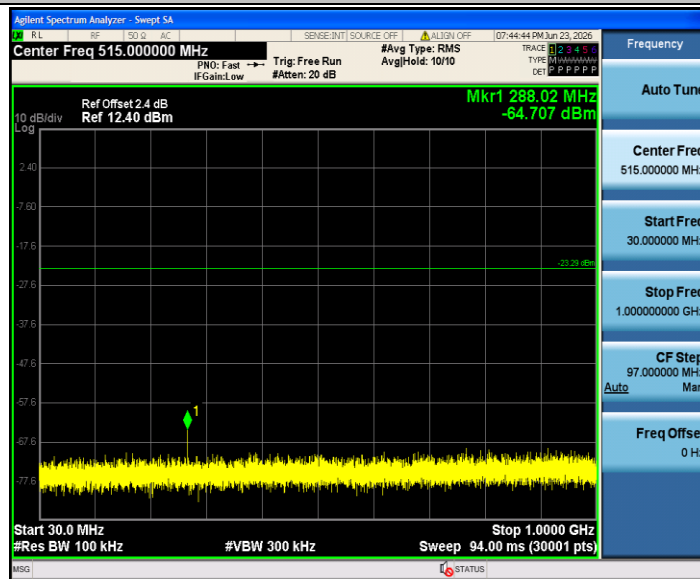
DH5_Ant1_2480_1000~26500



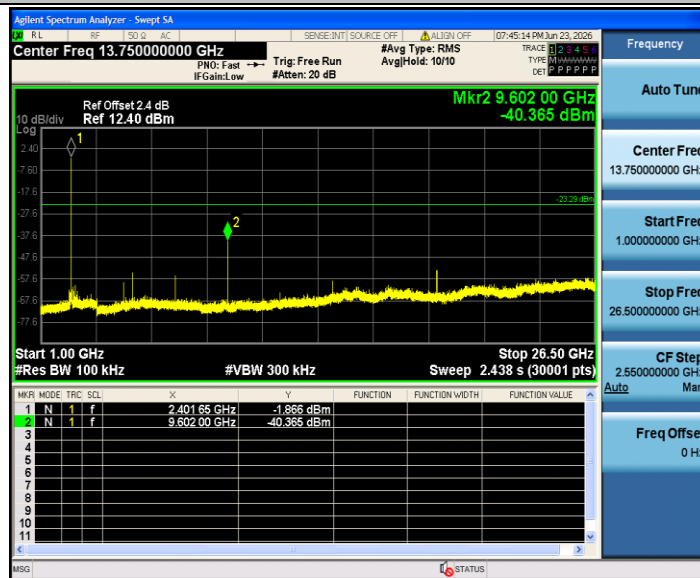
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



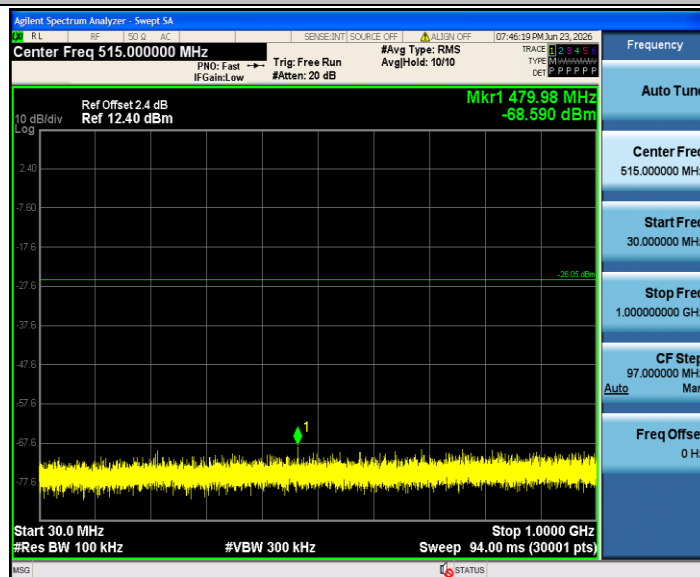
2DH5_Ant1_2402_1000~26500



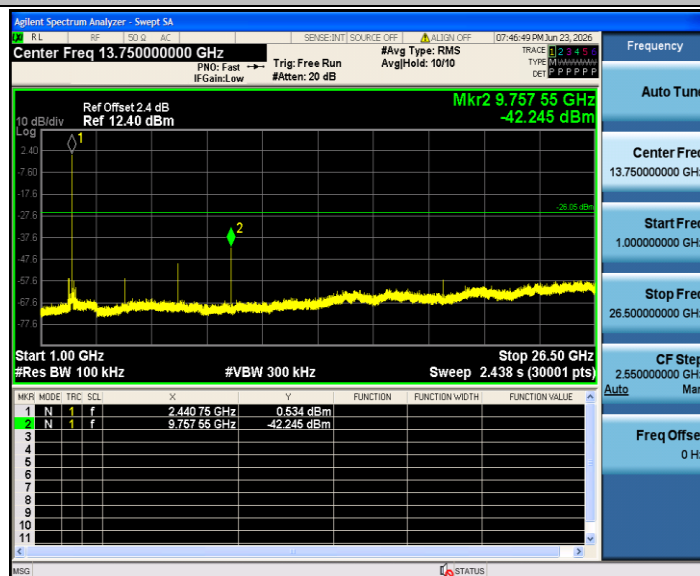
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



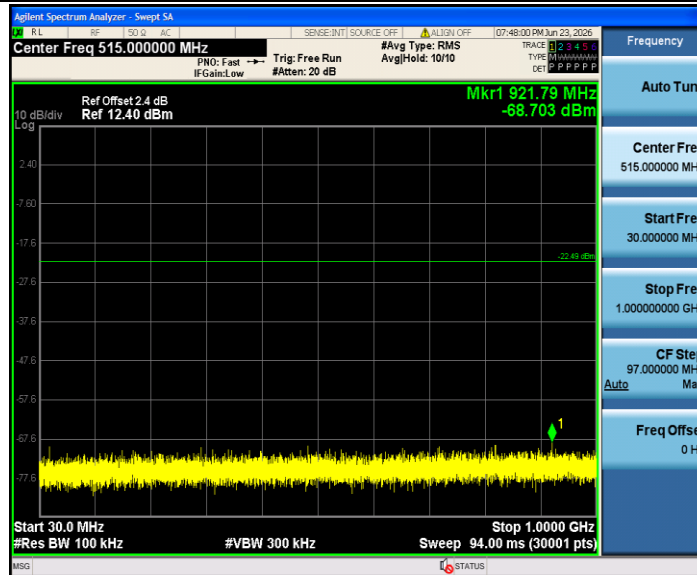
2DH5_Ant1_2441_1000~26500



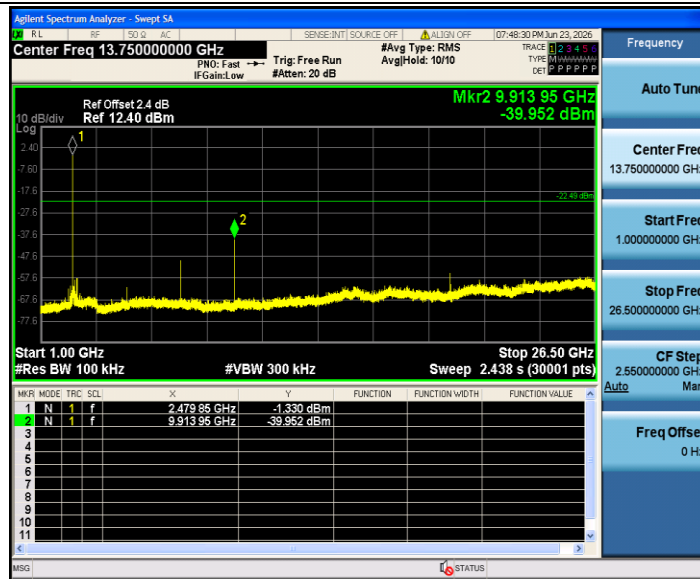
2DH5_Ant1_2480_0~Reference



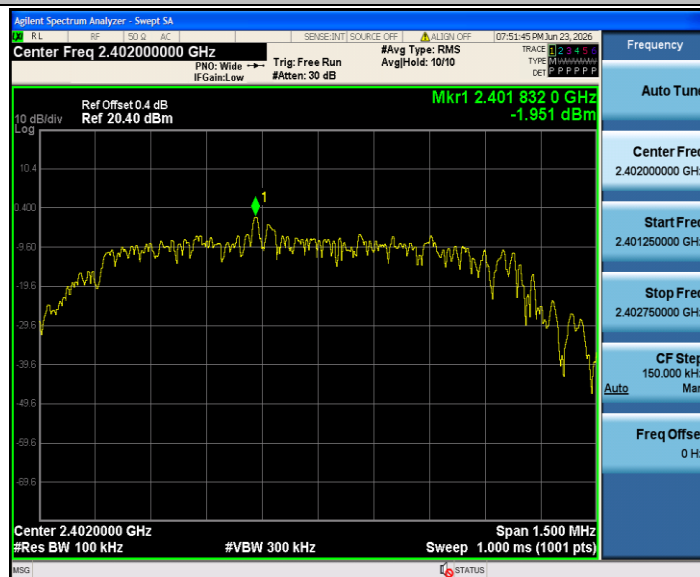
2DH5_Ant1_2480_30~1000



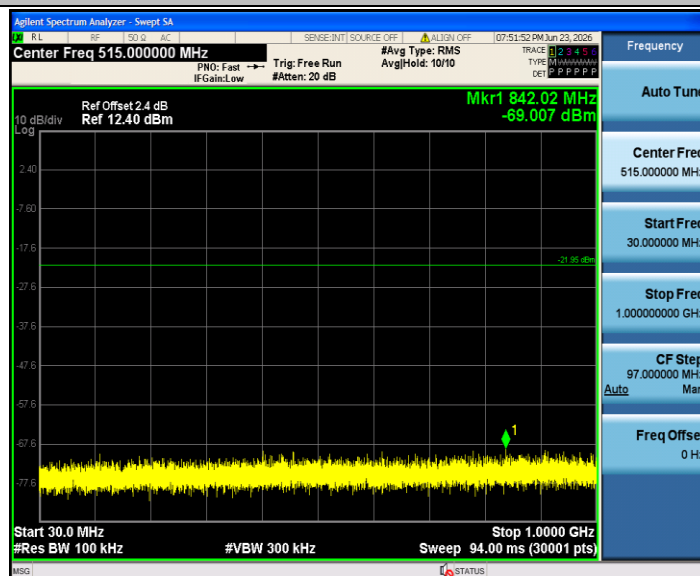
2DH5_Ant1_2480_1000~26500



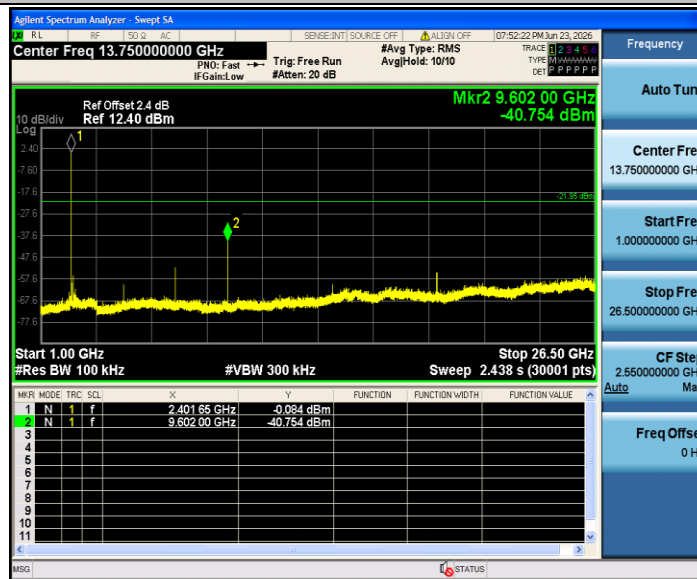
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



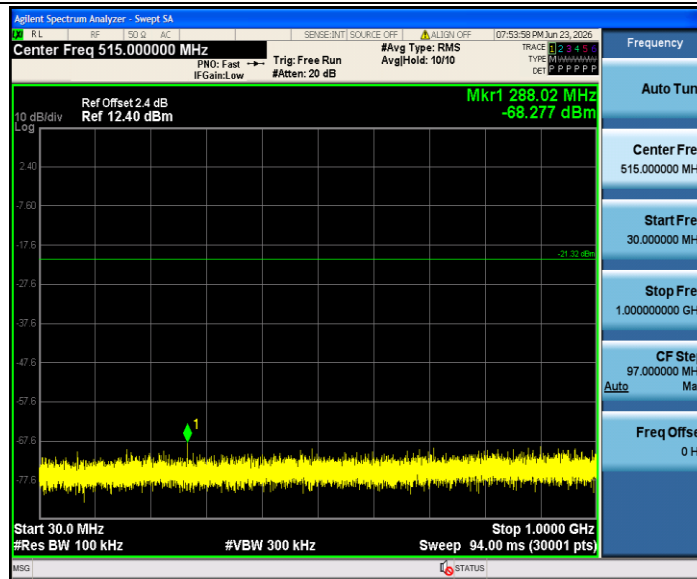
3DH5_Ant1_2402_1000~26500



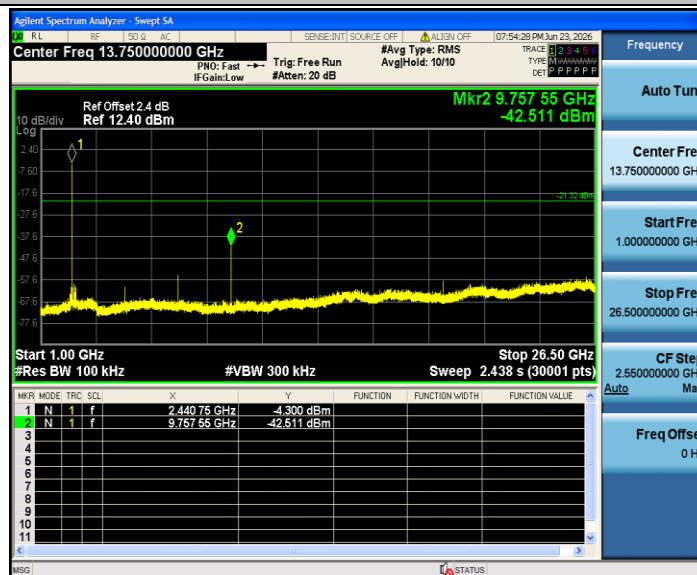
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



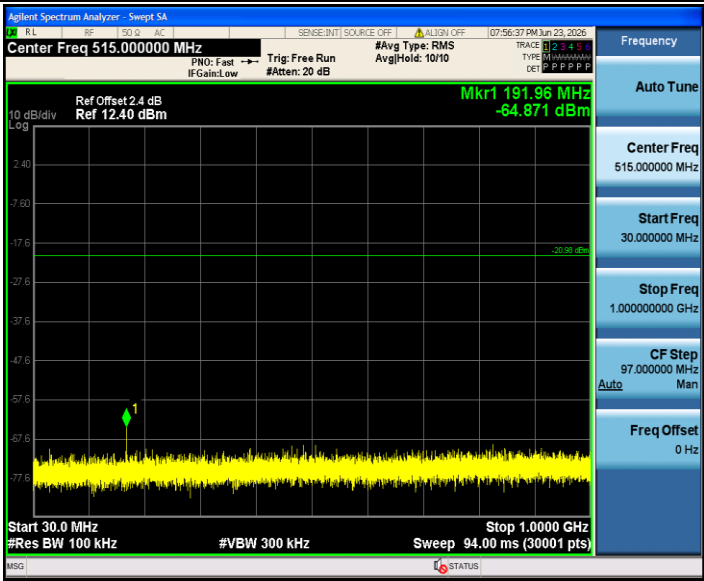
3DH5_Ant1_2441_1000~26500



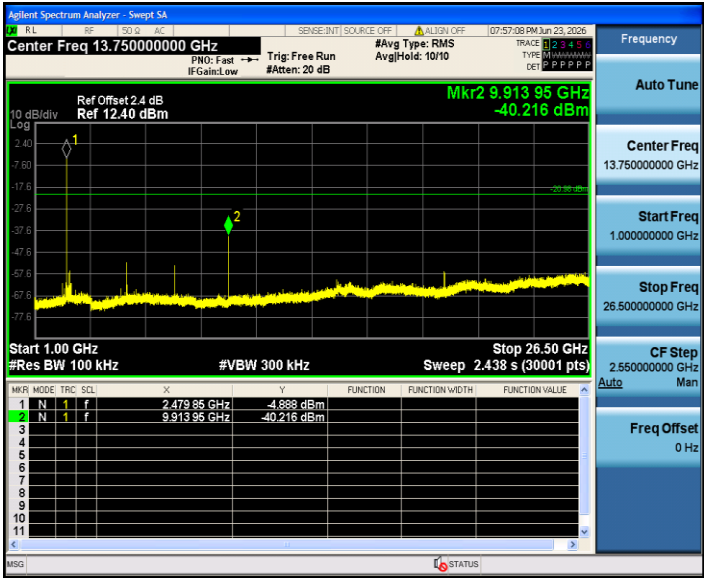
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix I: 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	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.75	77.87	1.09	---	---
3DH5	Ant1	2402	2.92	3.76	77.66	1.10	---	---
		2441	2.92	3.75	77.87	1.09	---	---
		2480	2.92	3.75	77.87	1.09	---	---

DH5_Ant1_2402

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.402000000 GHz

Trig Delay: 2.000 ms

Trig: Video

#Aven: 20 dB

Ref Offset 0.4 dB

Ref 10.40 dBm

ΔMkr3 3.750 ms

4.39 dB

Center 2.402000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 7.000 ms (1001 pts)

Span 0 Hz

CF Step 8.000000 MHz

Freq Offset 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.980 ms	-13.31 dBm			
2	Δ1	1	t	2.910 ms (Δ)	2.45 dB			
3	Δ1	1	t	3.750 ms (Δ)	4.39 dB			

DH5_Ant1_2441

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms

Trig: Video

#Aven: 20 dB

Ref Offset 0.4 dB

Ref 10.40 dBm

ΔMkr3 3.750 ms

3.64 dB

Center 2.441000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

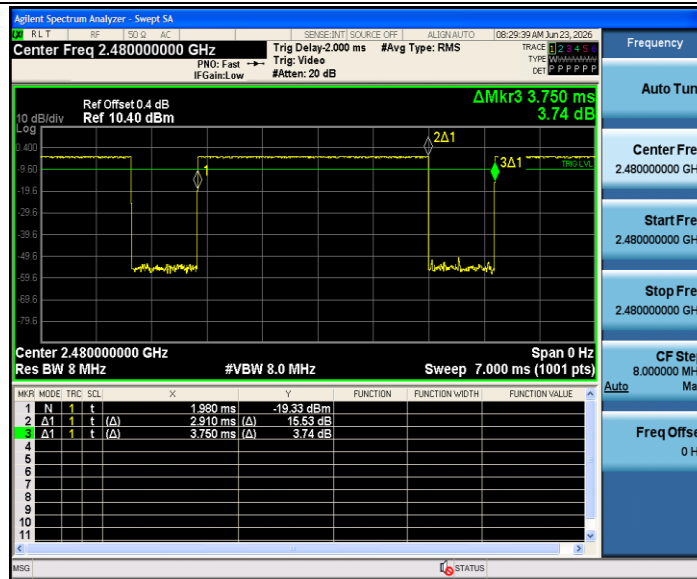
Sweep 7.000 ms (1001 pts)

Span 0 Hz

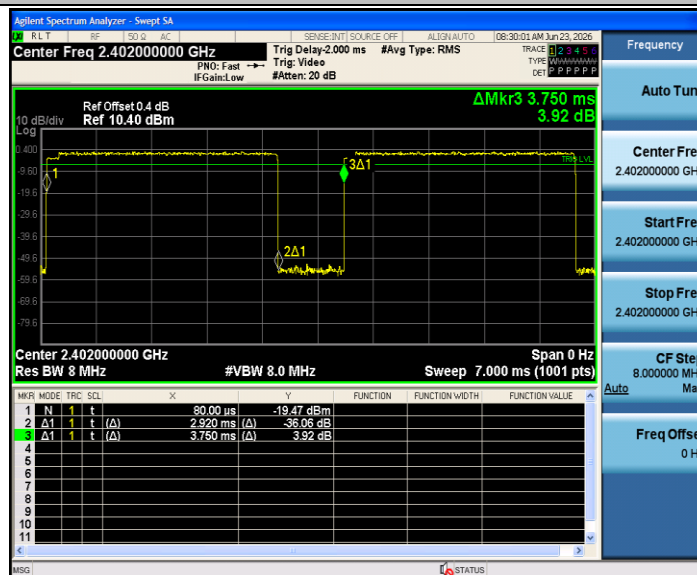
CF Step 8.000000 MHz

Freq Offset 0 Hz

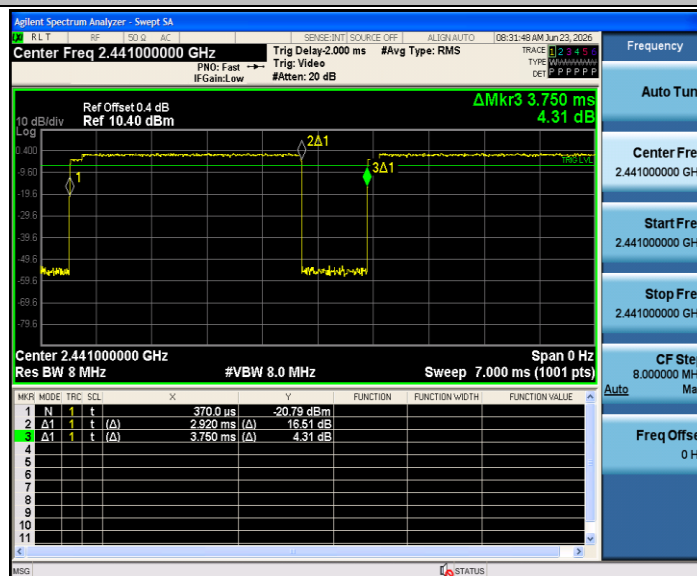
MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.980 ms	-19.10 dBm			
2	Δ1	1	t	2.910 ms (Δ)	15.49 dB			
3	Δ1	1	t	3.750 ms (Δ)	3.64 dB			



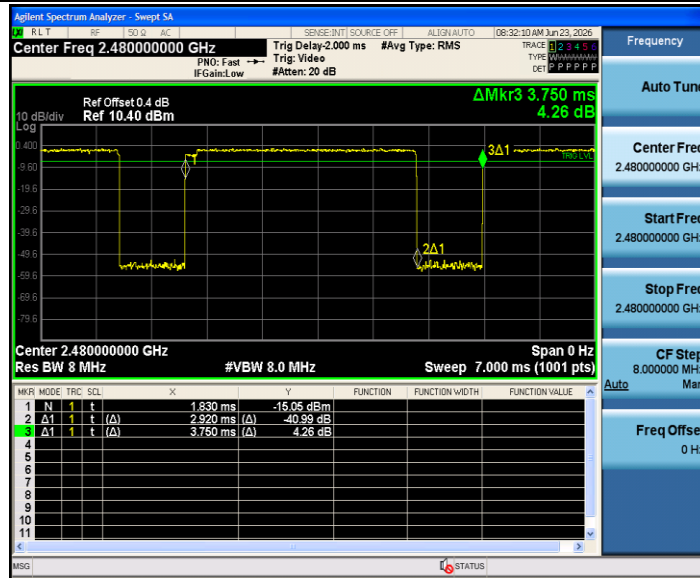
2DH5_Ant1_2402



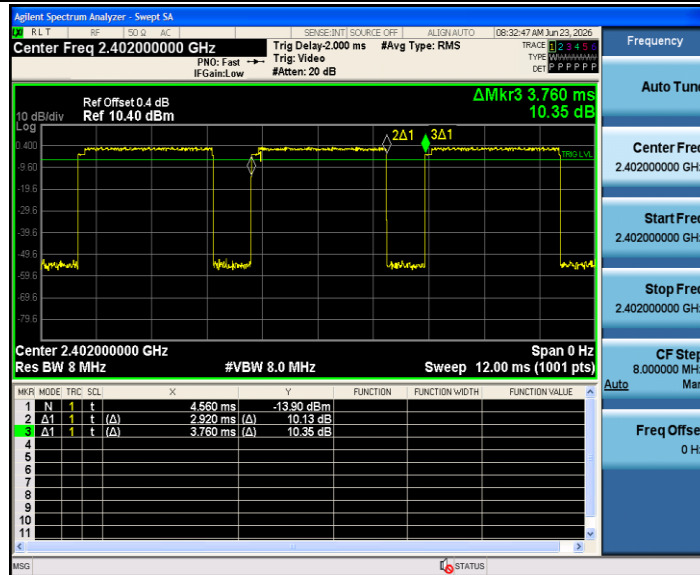
2DH5_Ant1_2441



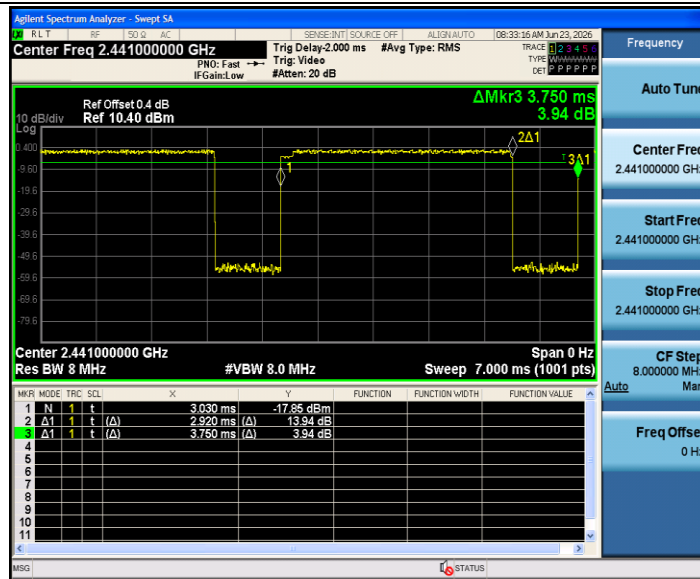
2DH5_Ant1_2480



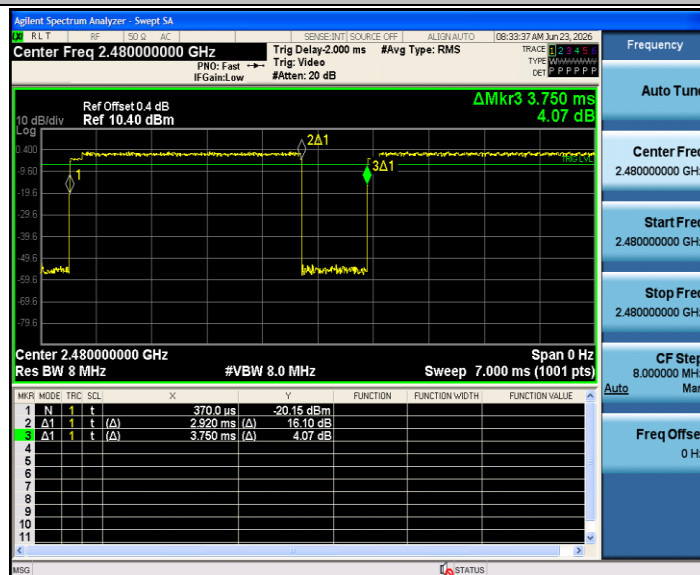
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix J: Emissions in Restricted Bands

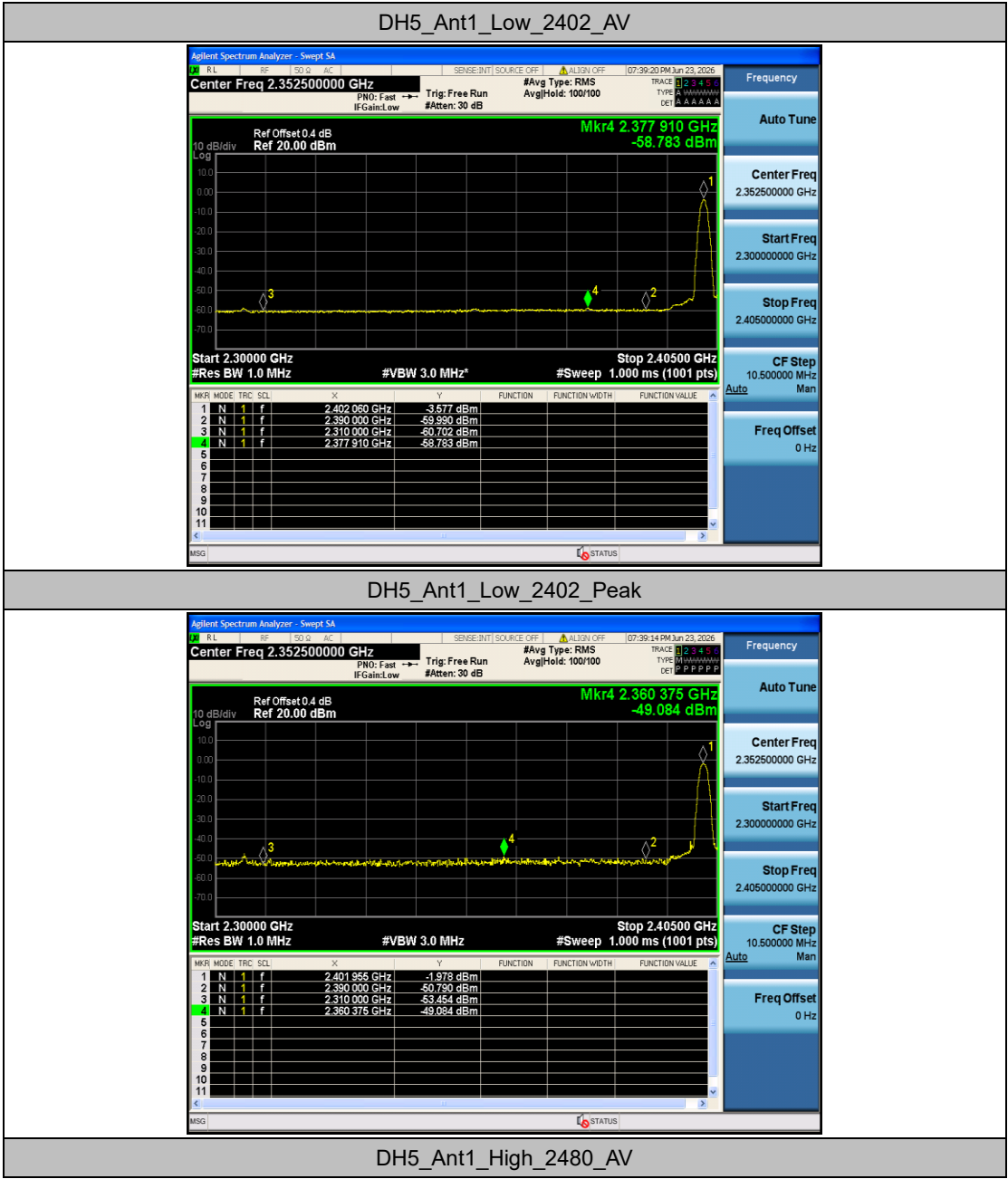
Test Result

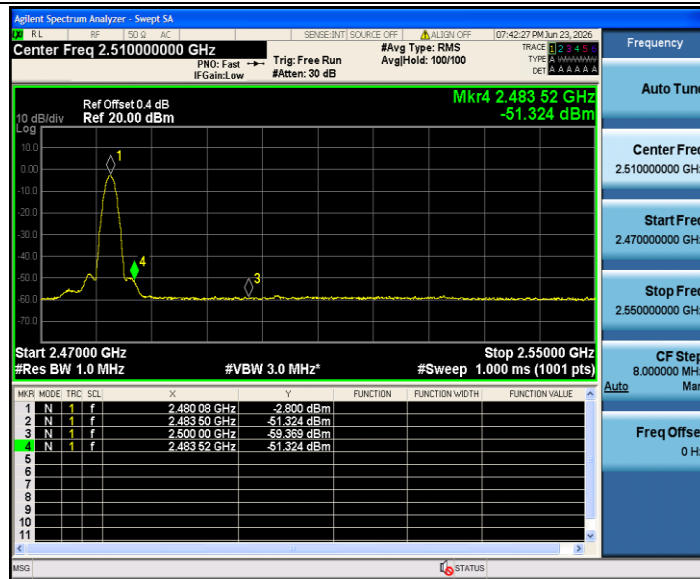
TestMod e	Antenn a	ChNam e	Freq(M Hz)	Detecto r	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdic t
DH5	Ant1	Low	2402	AV	2310.000	-60.7	2.00	1.10	37.6	≤54	PASS
				AV	2377.910	-58.78	2.00	1.10	39.52	≤54	PASS
				AV	2390.000	-59.99	2.00	1.10	38.31	≤54	PASS
				Peak	2310.000	-53.45	2.00	0.00	43.75	≤74	PASS
				Peak	2360.375	-49.08	2.00	0.00	48.12	≤74	PASS
				Peak	2390.000	-50.79	2.00	0.00	46.41	≤74	PASS
		High	2480	AV	2483.500	-51.32	2.00	1.10	46.98	≤54	PASS
				AV	2483.520	-51.32	2.00	1.10	46.98	≤54	PASS
				AV	2500.000	-59.37	2.00	1.10	38.93	≤54	PASS
				Peak	2483.500	-45.02	2.00	0.00	52.18	≤74	PASS
				Peak	2484.720	-44.82	2.00	0.00	52.38	≤74	PASS
				Peak	2500.000	-51.97	2.00	0.00	45.23	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-61.77	2.00	1.09	36.52	≤54	PASS
				AV	2377.910	-58.88	2.00	1.09	39.41	≤54	PASS
				AV	2390.000	-59.96	2.00	1.09	38.33	≤54	PASS
				Peak	2310.000	-52.77	2.00	0.00	44.43	≤74	PASS
				Peak	2378.120	-48.63	2.00	0.00	48.57	≤74	PASS
				Peak	2390.000	-52.54	2.00	0.00	44.66	≤74	PASS
		High	2480	AV	2483.500	-54.46	2.00	1.09	43.83	≤54	PASS
				AV	2483.600	-54.02	2.00	1.09	44.27	≤54	PASS
				AV	2500.000	-59.5	2.00	1.09	38.79	≤54	PASS
				Peak	2483.500	-46.26	2.00	0.00	50.94	≤74	PASS
				Peak	2485.680	-45.51	2.00	0.00	51.69	≤74	PASS
				Peak	2500.000	-51.44	2.00	0.00	45.76	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-60.97	2.00	1.10	37.33	≤54	PASS
				AV	2381.480	-59.47	2.00	1.10	38.83	≤54	PASS
				AV	2390.000	-59.85	2.00	1.10	38.45	≤54	PASS
				Peak	2310.000	-52.23	2.00	0.00	44.97	≤74	PASS
				Peak	2359.115	-48.53	2.00	0.00	48.67	≤74	PASS
				Peak	2390.000	-52.18	2.00	0.00	45.02	≤74	PASS
		High	2480	AV	2483.500	-57.36	2.00	1.09	40.93	≤54	PASS
				AV	2483.600	-56.82	2.00	1.09	41.47	≤54	PASS
				AV	2500.000	-59.87	2.00	1.09	38.42	≤54	PASS
				Peak	2483.500	-45.55	2.00	0.00	51.65	≤74	PASS
				Peak	2484.080	-45.29	2.00	0.00	51.91	≤74	PASS
				Peak	2500.000	-50.07	2.00	0.00	47.13	≤74	PASS

Note:

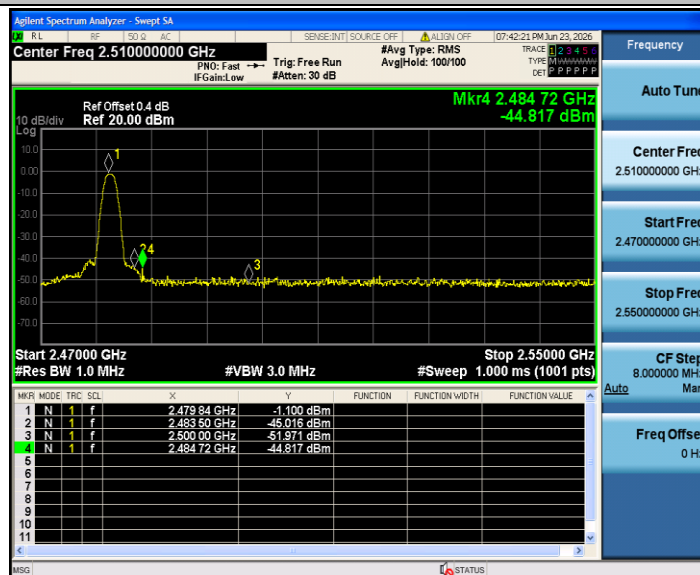
1. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

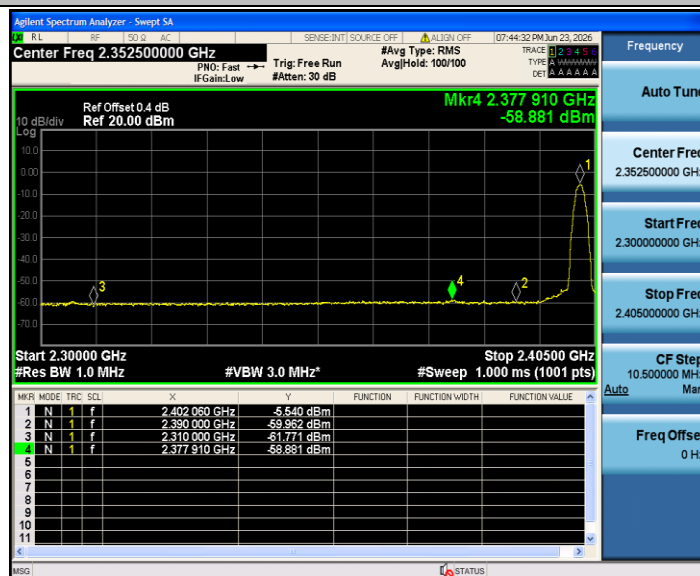




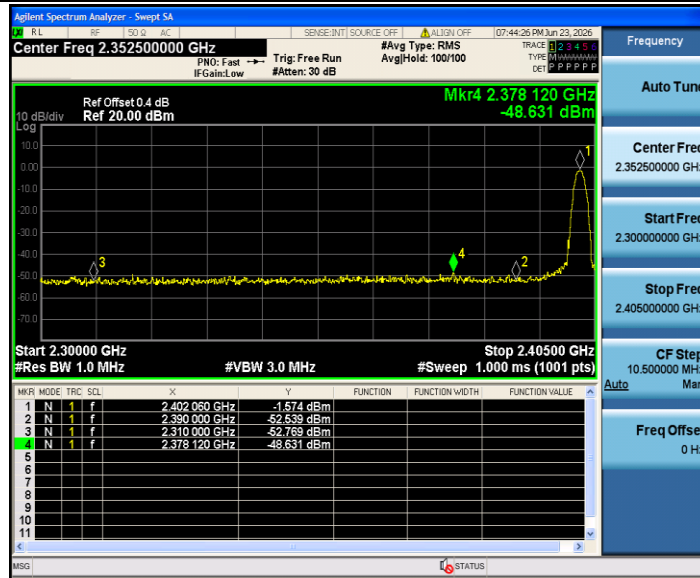
DH5_Ant1_High_2480_Peak



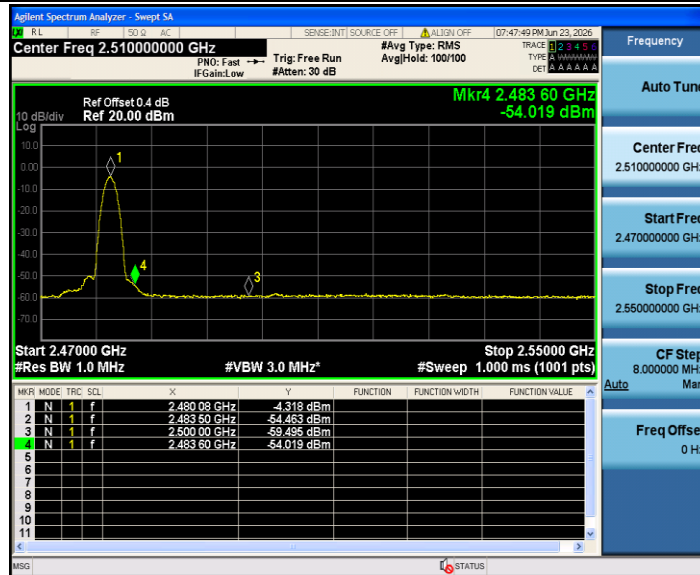
2DH5_Ant1_Low_2402_AV



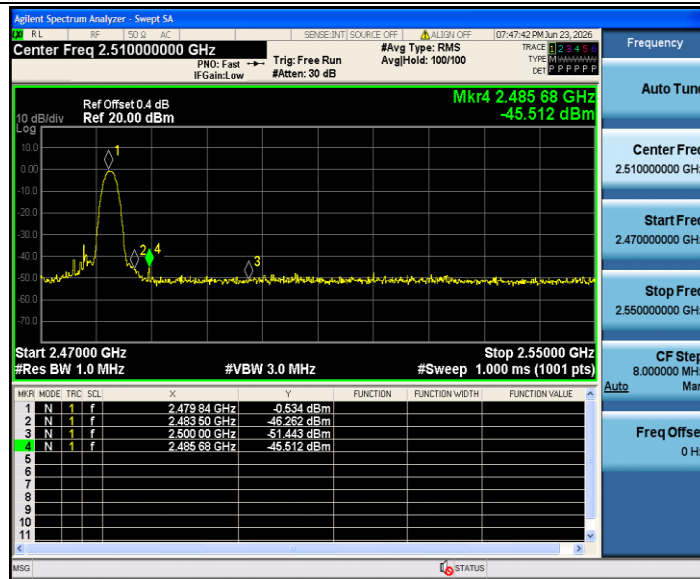
2DH5_Ant1_Low_2402_Peak



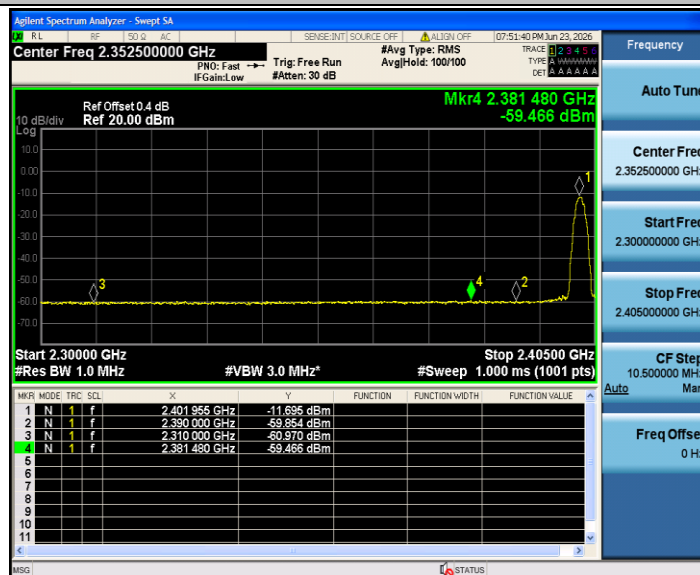
2DH5_Ant1_High_2480_AV



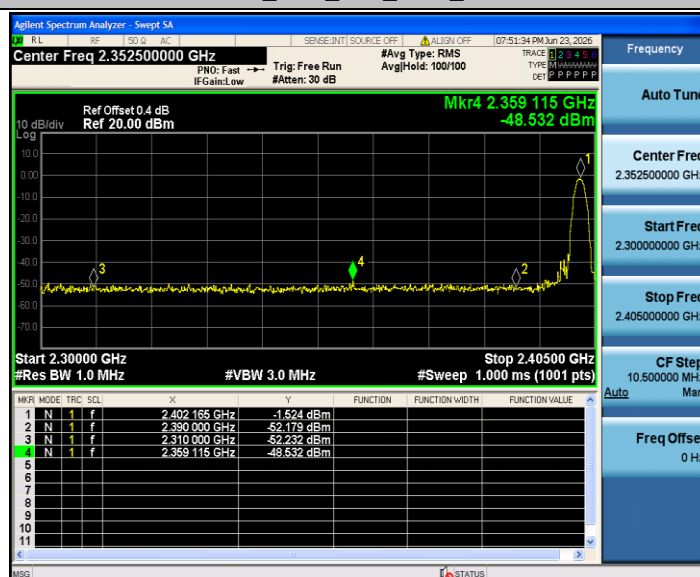
2DH5_Ant1_High_2480_Peak



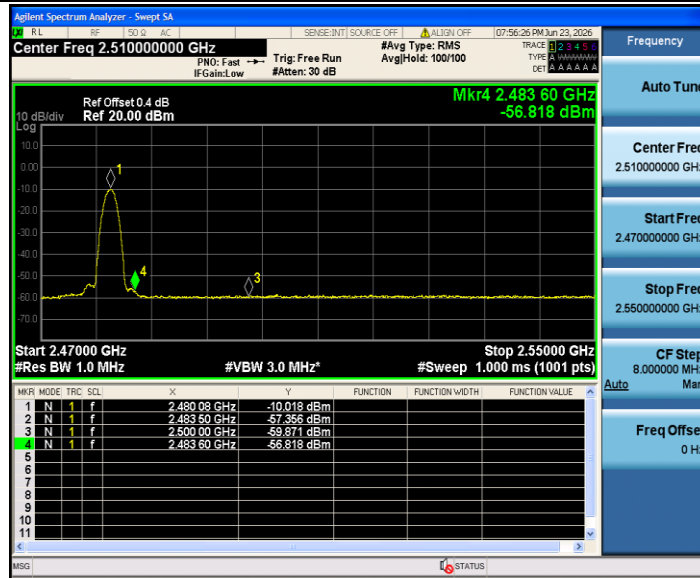
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

