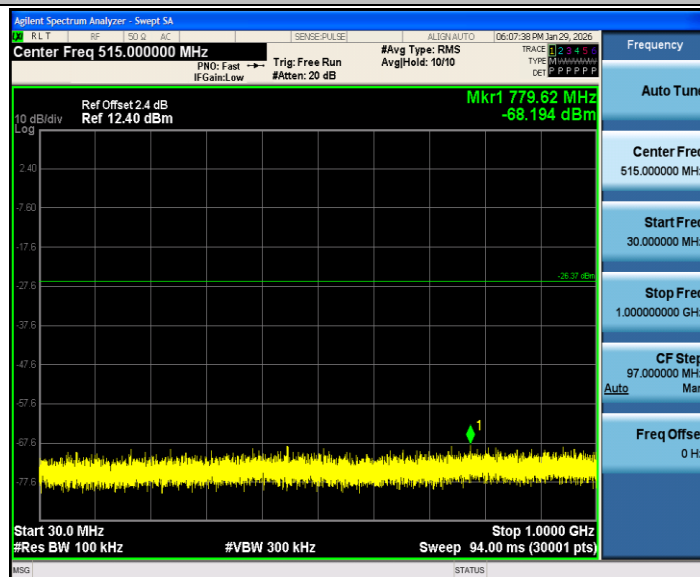
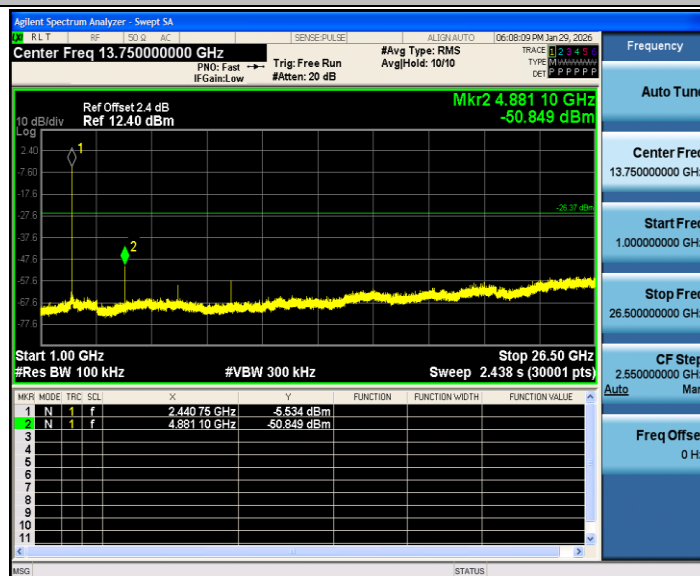




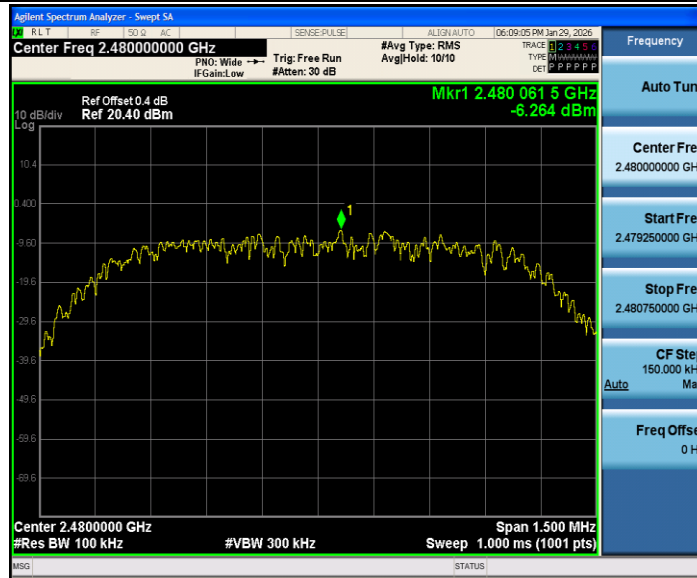
2DH5_Ant1_2441_30~1000



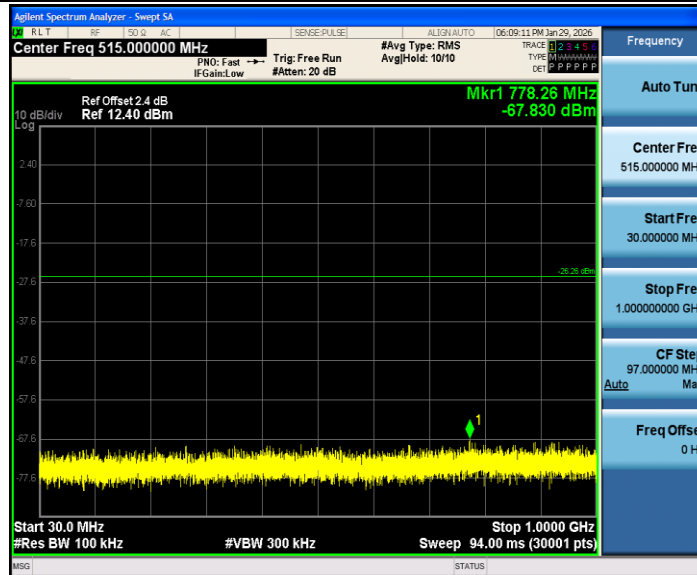
2DH5_Ant1_2441_1000~26500



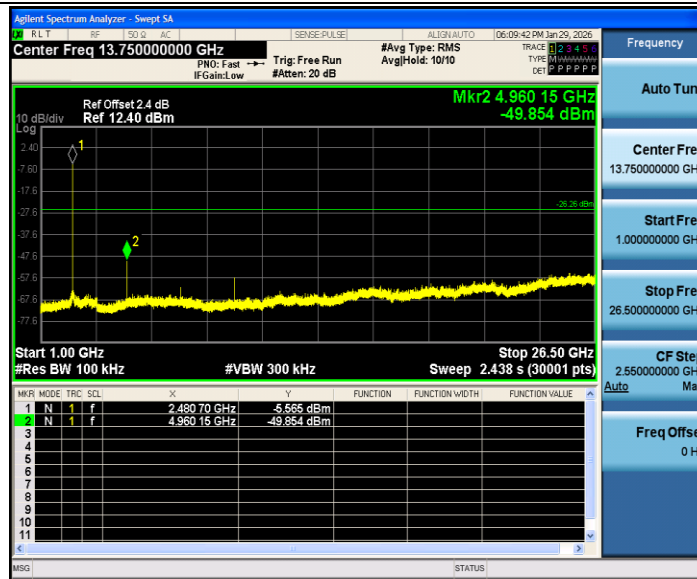
2DH5_Ant1_2480_0~Reference



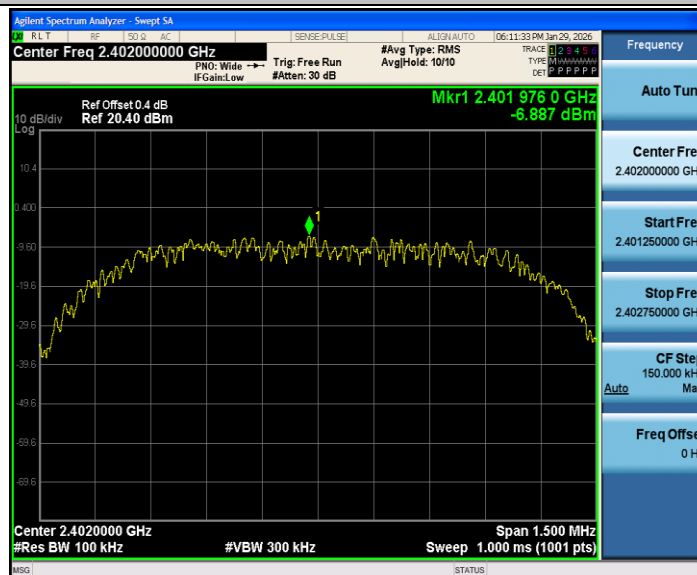
2DH5_Ant1_2480_30~1000



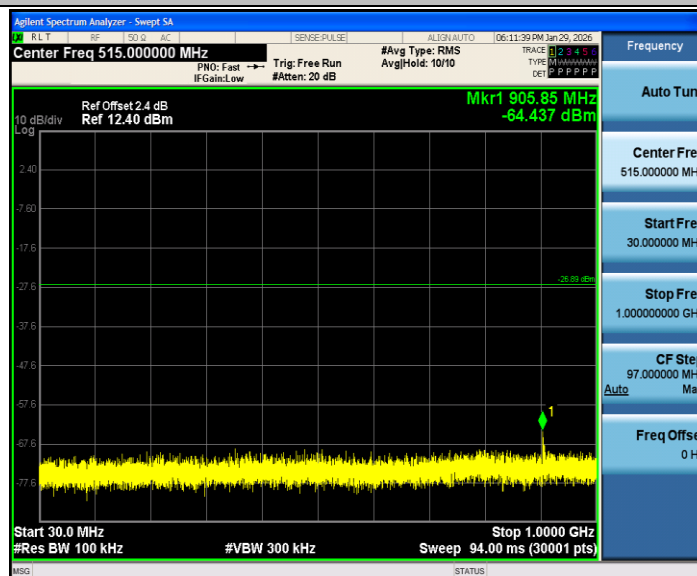
2DH5_Ant1_2480_1000~26500



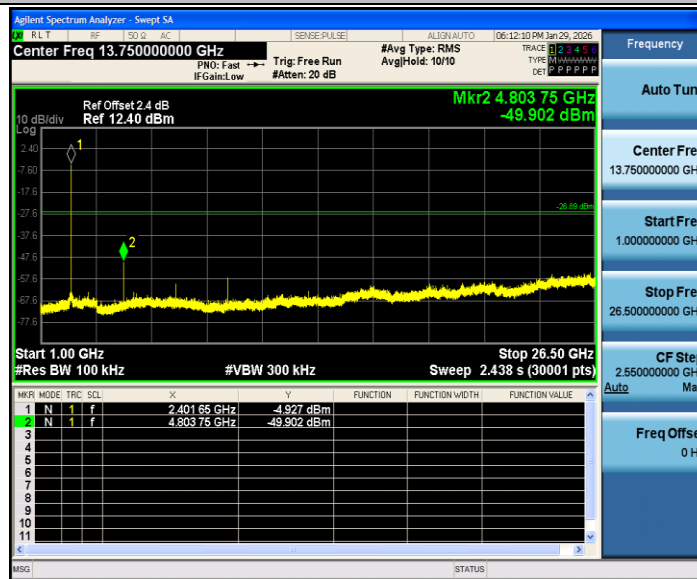
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



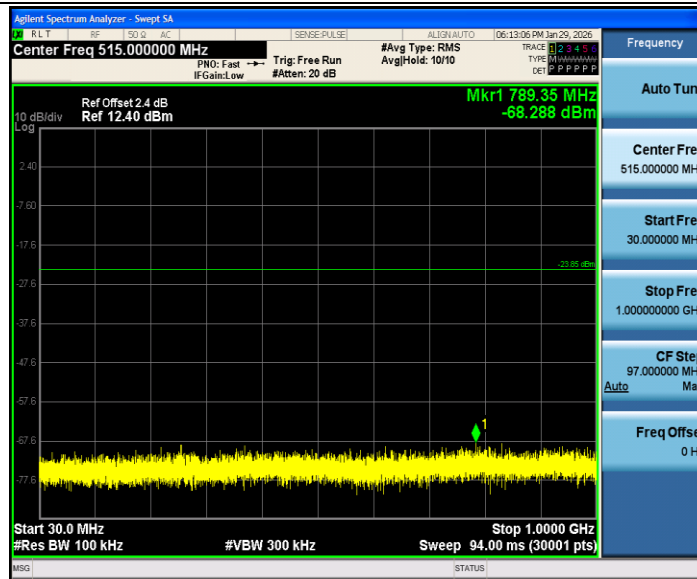
3DH5_Ant1_2402_1000~26500



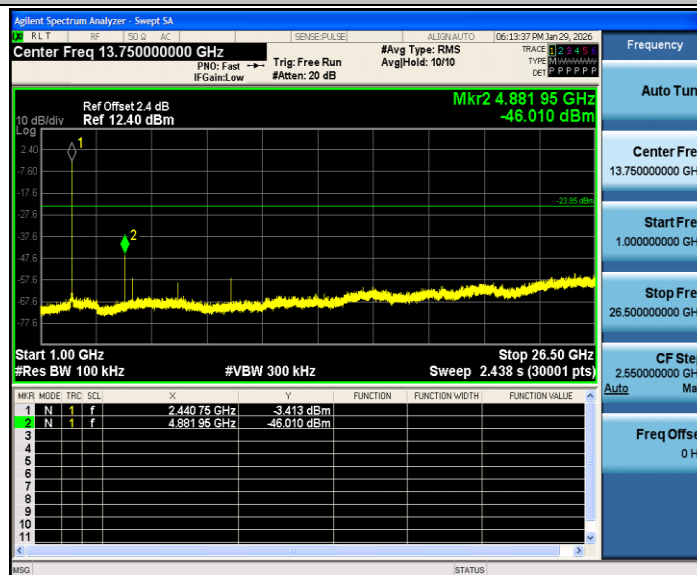
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



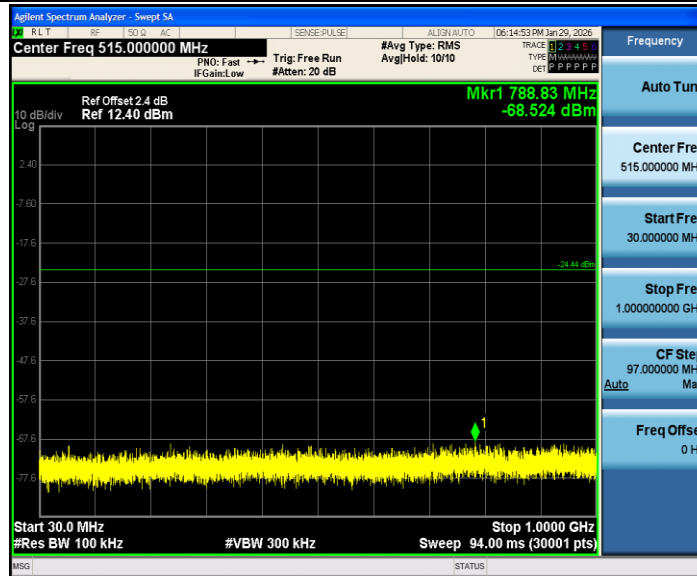
3DH5_Ant1_2441_1000~26500



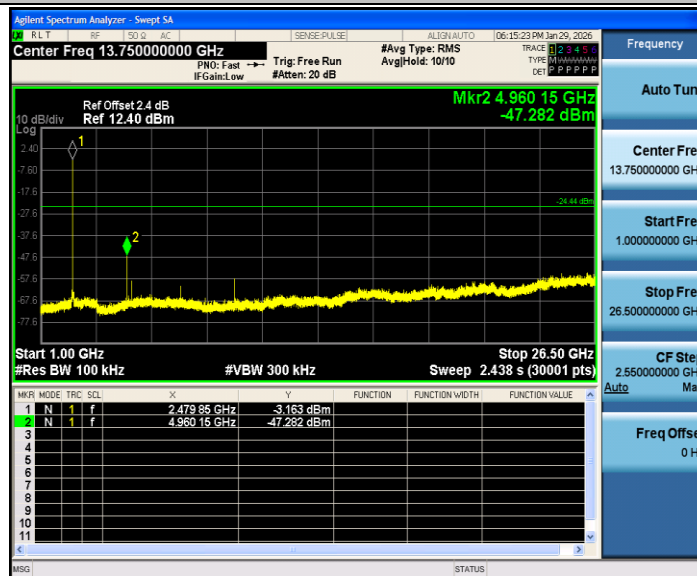
3DH5_Ant1_2480_0~Reference



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	2.91	3.74	77.81	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	2.91	3.75	77.60	1.10	---	---

Figure 10 shows two screenshots of the Agilent Spectrum Analyzer interface, displaying the results of a sweep measurement. The top screenshot is for DH5_Ant1_2402, showing a center frequency of 2.40200000 GHz, a span of 0 Hz, and a resolution bandwidth of 8 MHz. The bottom screenshot is for DH5_Ant1_2441, showing a center frequency of 2.44100000 GHz, a span of 0 Hz, and a resolution bandwidth of 8 MHz. Both screenshots show a signal trace with a peak at 2.402 GHz and a peak at 2.441 GHz. The peak at 2.402 GHz is labeled with a power level of -14.58 dBm and a bandwidth of 3.750 ms. The peak at 2.441 GHz is labeled with a power level of -12.25 dBm and a bandwidth of 3.750 ms. The screenshots also show the measurement settings, including the sweep rate, resolution bandwidth, and span.

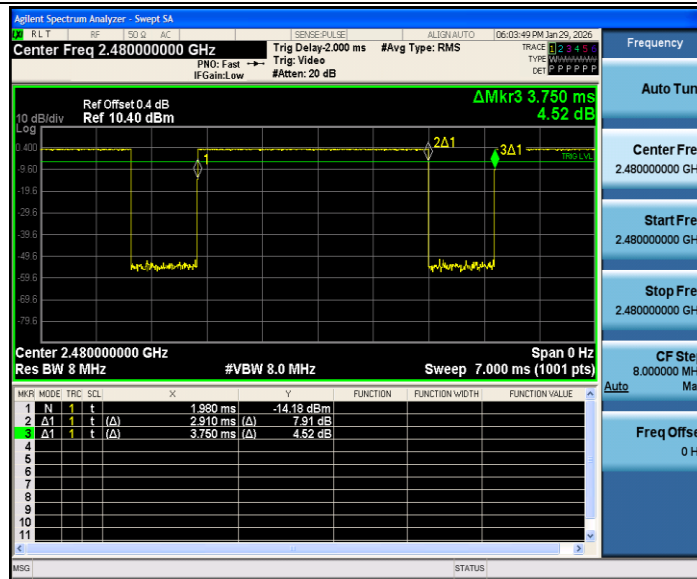
Figure 10: Agilent Spectrum Analyzer - Sweep SA

Top Screenshot: DH5_Ant1_2402

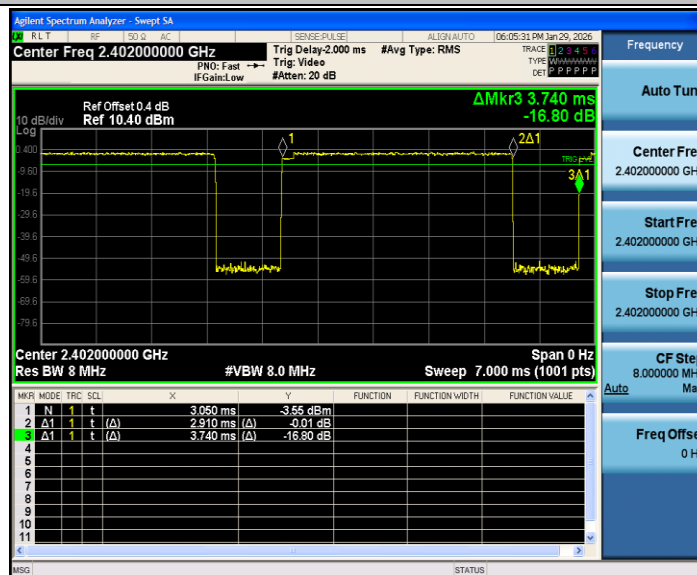
- Center Freq: 2.40200000 GHz
- Ref Offset: 0.4 dB
- Ref: 10.40 dBm
- Trig Delay: 2.000 ms
- Trig: Video
- Avg Type: RMS
- Span: 0 Hz
- Res BW: 8 MHz
- #VBW: 8.0 MHz
- Sweep: 7.000 ms (1001 pts)
- Peak 1: 2.402 GHz, -14.58 dBm, 3.750 ms
- Peak 2: 2.441 GHz, -11.34 dBm, 3.750 ms

Bottom Screenshot: DH5_Ant1_2441

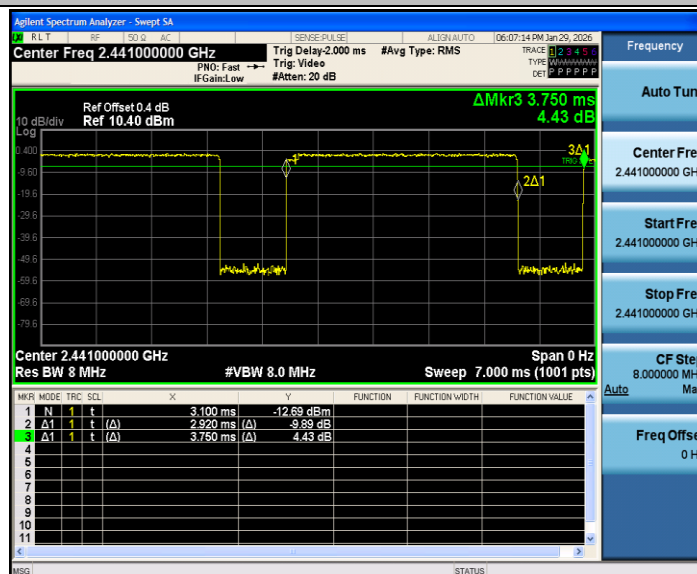
- Center Freq: 2.44100000 GHz
- Ref Offset: 0.4 dB
- Ref: 10.40 dBm
- Trig Delay: 2.000 ms
- Trig: Video
- Avg Type: RMS
- Span: 0 Hz
- Res BW: 8 MHz
- #VBW: 8.0 MHz
- Sweep: 7.000 ms (1001 pts)
- Peak 1: 2.402 GHz, -9.41 dBm, 3.750 ms
- Peak 2: 2.441 GHz, -12.25 dBm, 3.750 ms



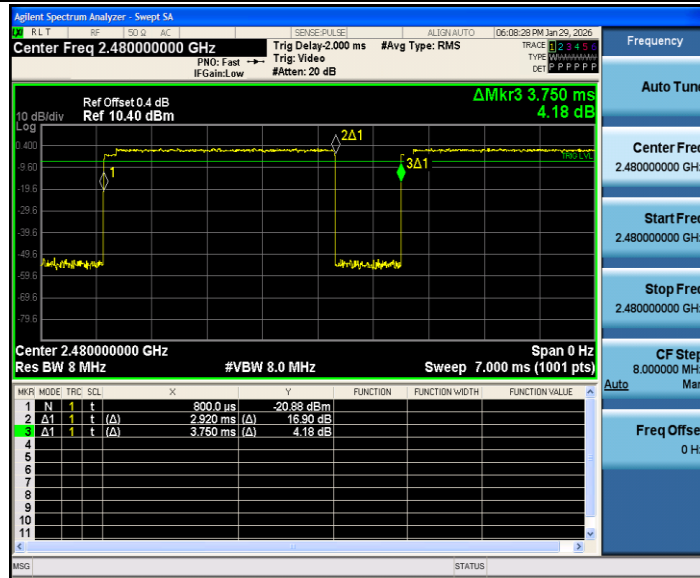
2DH5_Ant1_2402



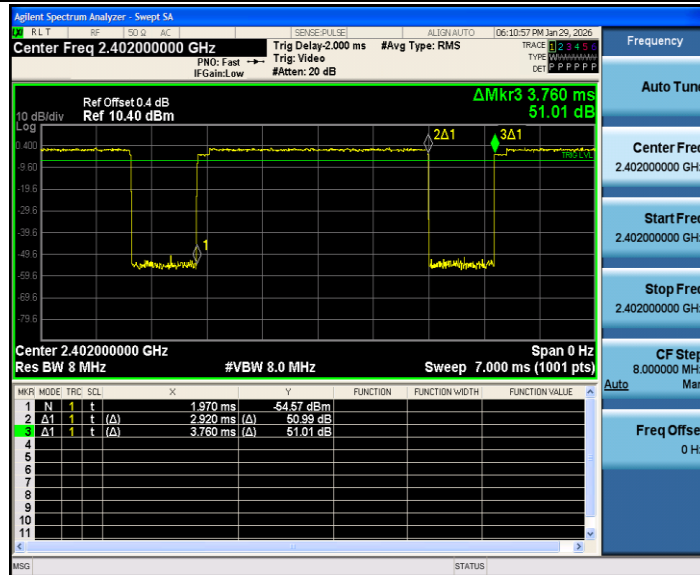
2DH5_Ant1_2441



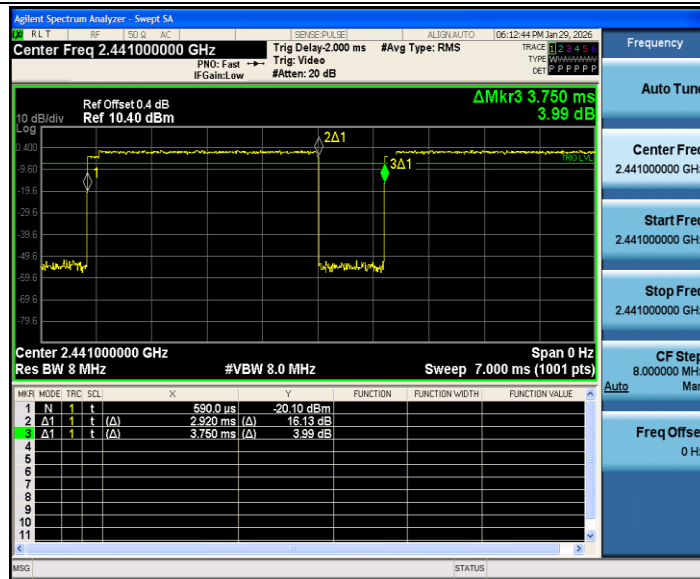
2DH5_Ant1_2480



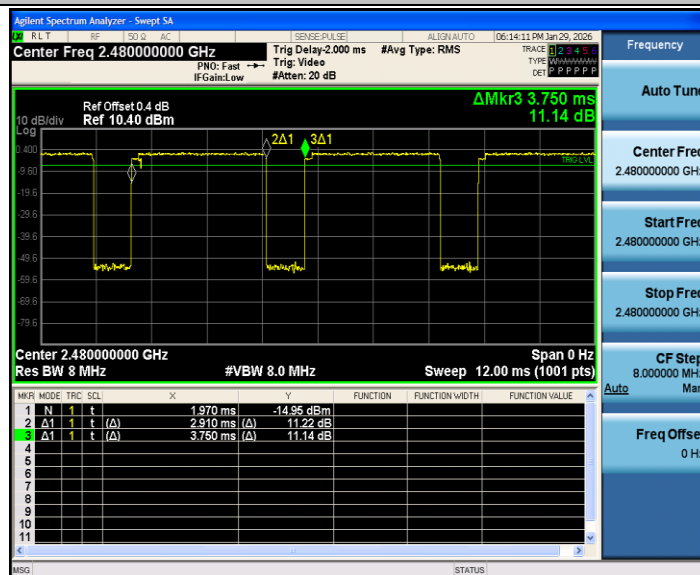
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



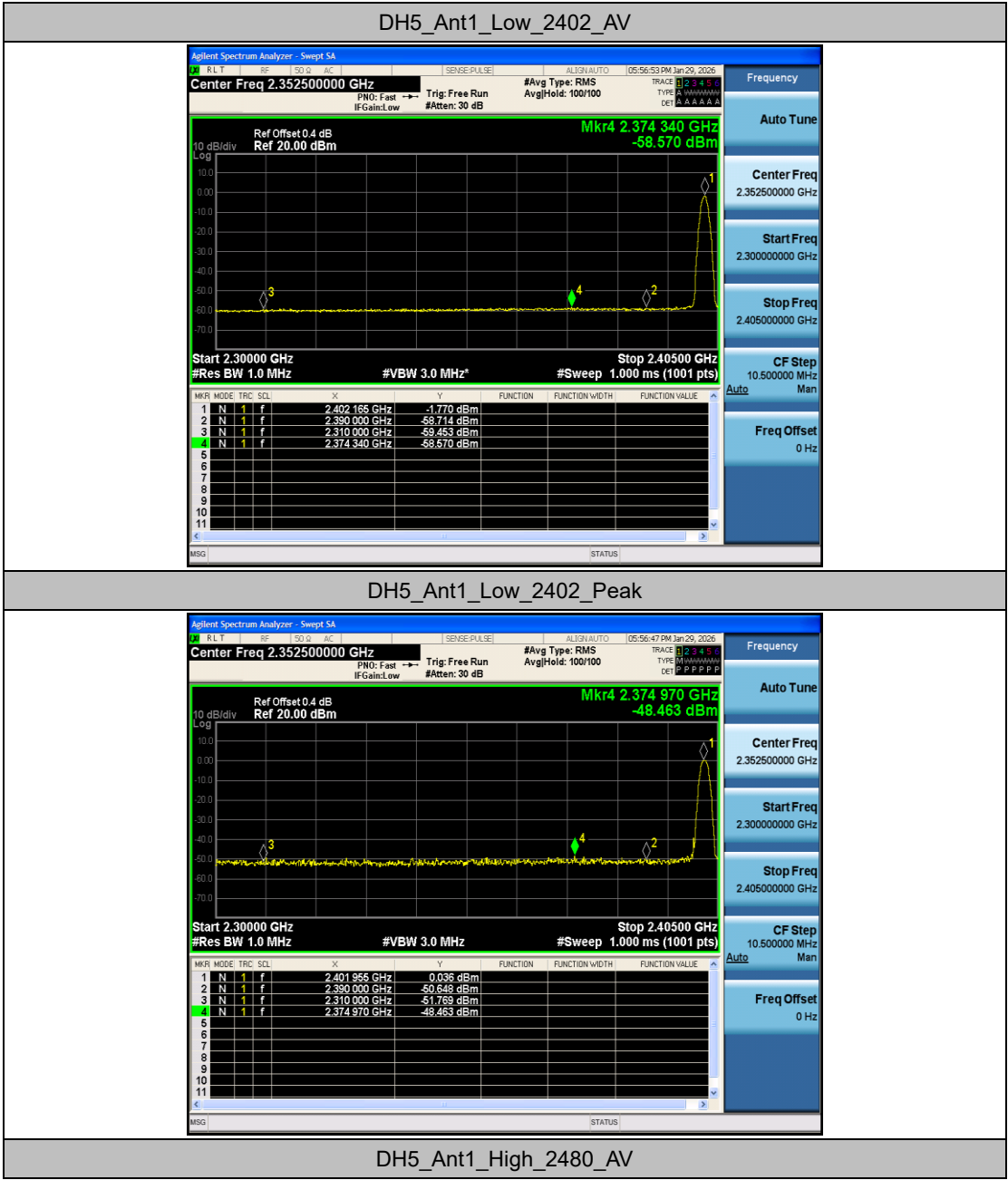
Appendix J: Emissions in Restricted Bands

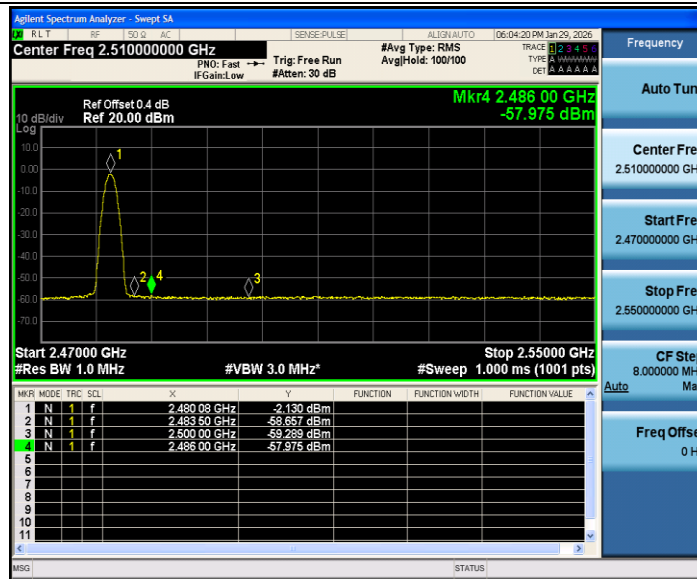
Test Result

TestMod e	Antenn a	ChNam e	Freq(MH z)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-59.45	2.00	1.10	38.85	≤54	PASS
				AV	2374.340	-58.57	2.00	1.10	39.73	≤54	PASS
				AV	2390.000	-58.71	2.00	1.10	39.59	≤54	PASS
				Peak	2310.000	-51.77	2.00	0.00	45.43	≤74	PASS
				Peak	2374.970	-48.46	2.00	0.00	48.74	≤74	PASS
				Peak	2390.000	-50.65	2.00	0.00	46.55	≤74	PASS
		High	2480	AV	2483.500	-58.66	2.00	1.10	39.64	≤54	PASS
				AV	2486.000	-57.98	2.00	1.10	40.32	≤54	PASS
				AV	2500.000	-59.29	2.00	1.10	39.01	≤54	PASS
				Peak	2483.500	-51.63	2.00	0.00	45.57	≤74	PASS
				Peak	2484.560	-44.87	2.00	0.00	52.33	≤74	PASS
				Peak	2500.000	-50.81	2.00	0.00	46.39	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-59.82	2.00	1.09	38.47	≤54	PASS
				AV	2389.565	-58.71	2.00	1.09	39.58	≤54	PASS
				AV	2390.000	-59.28	2.00	1.09	39.01	≤54	PASS
				Peak	2310.000	-52.17	2.00	0.00	45.03	≤74	PASS
				Peak	2366.255	-48.1	2.00	0.00	49.10	≤74	PASS
				Peak	2390.000	-52.1	2.00	0.00	45.10	≤74	PASS
		High	2480	AV	2483.500	-58.8	2.00	1.09	39.49	≤54	PASS
				AV	2484.000	-58.31	2.00	1.09	39.98	≤54	PASS
				AV	2500.000	-59.06	2.00	1.09	39.23	≤54	PASS
				Peak	2483.500	-49.66	2.00	0.00	47.54	≤74	PASS
				Peak	2497.040	-48.86	2.00	0.00	48.34	≤74	PASS
				Peak	2500.000	-51.56	2.00	0.00	45.64	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-60.29	2.00	1.10	38.01	≤54	PASS
				AV	2373.290	-58.52	2.00	1.10	39.78	≤54	PASS
				AV	2390.000	-59.53	2.00	1.10	38.77	≤54	PASS
				Peak	2310.000	-51.03	2.00	0.00	46.17	≤74	PASS
				Peak	2360.375	-48.76	2.00	0.00	48.44	≤74	PASS
				Peak	2390.000	-51.33	2.00	0.00	45.87	≤74	PASS
		High	2480	AV	2483.500	-58.69	2.00	1.10	39.61	≤54	PASS
				AV	2483.920	-58.12	2.00	1.10	40.18	≤54	PASS
				AV	2500.000	-59.09	2.00	1.10	39.21	≤54	PASS
				Peak	2483.500	-50.81	2.00	0.00	46.39	≤74	PASS
				Peak	2484.320	-48.31	2.00	0.00	48.89	≤74	PASS
				Peak	2500.000	-51.92	2.00	0.00	45.28	≤74	PASS

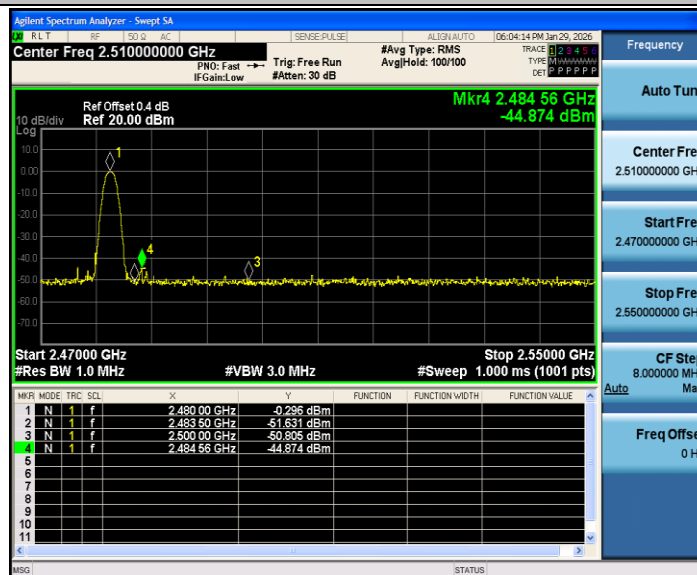
Note: The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

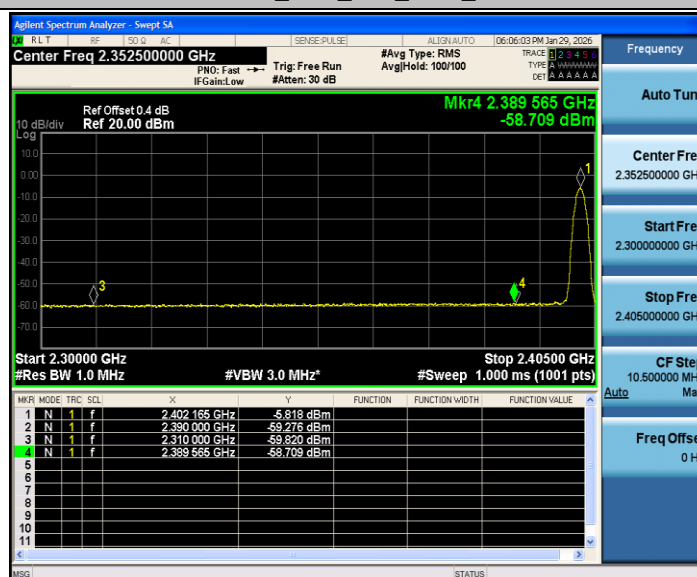




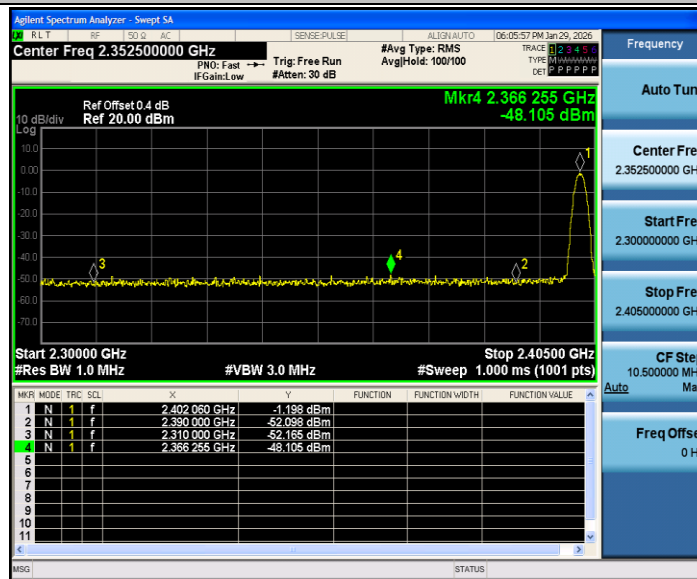
DH5_Ant1_High_2480_Peak



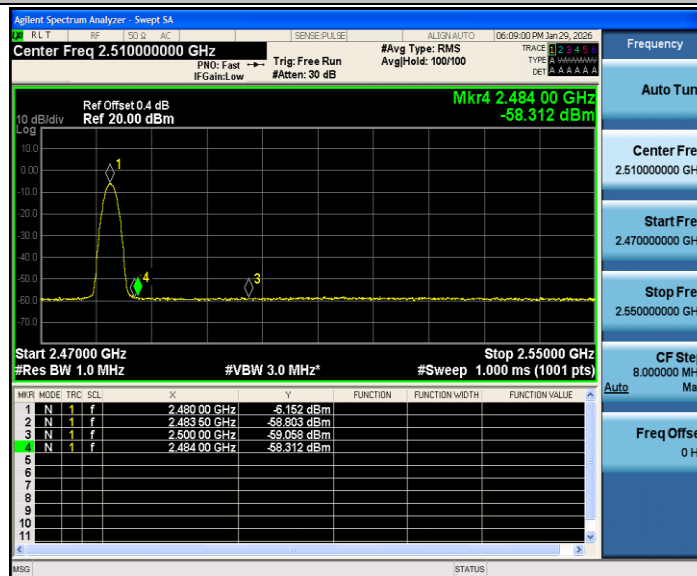
2DH5_Ant1_Low_2402_AV



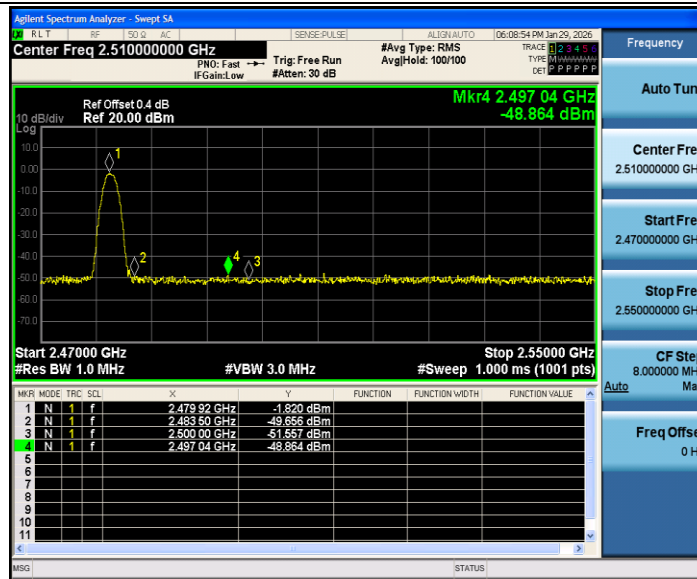
2DH5_Ant1_Low_2402_Peak



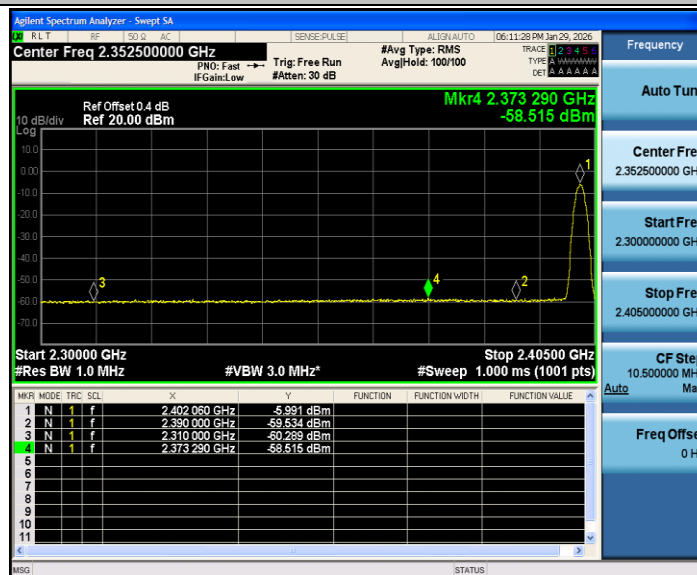
2DH5_Ant1_High_2480_AV



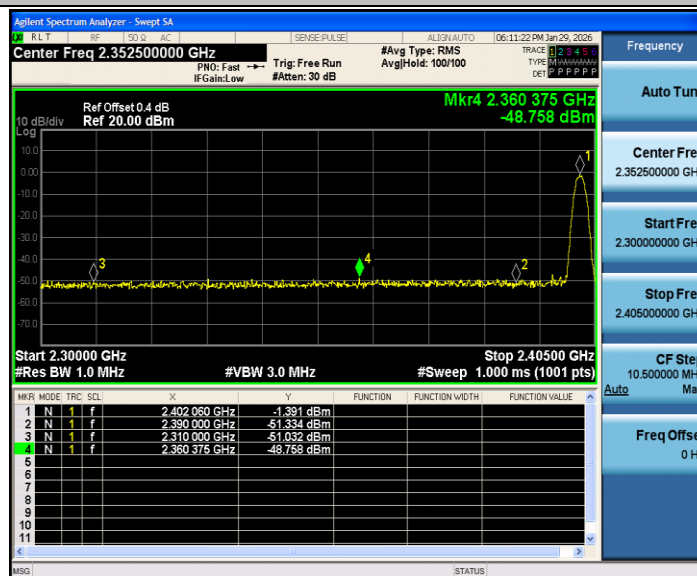
2DH5_Ant1_High_2480_Peak



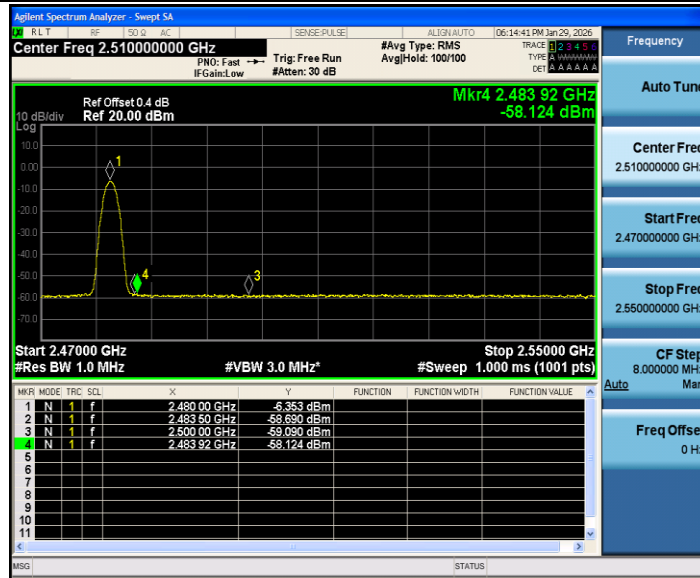
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

