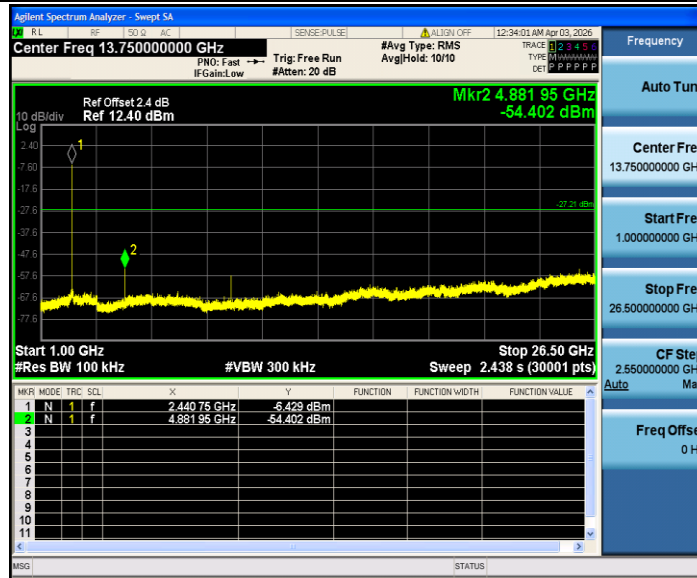
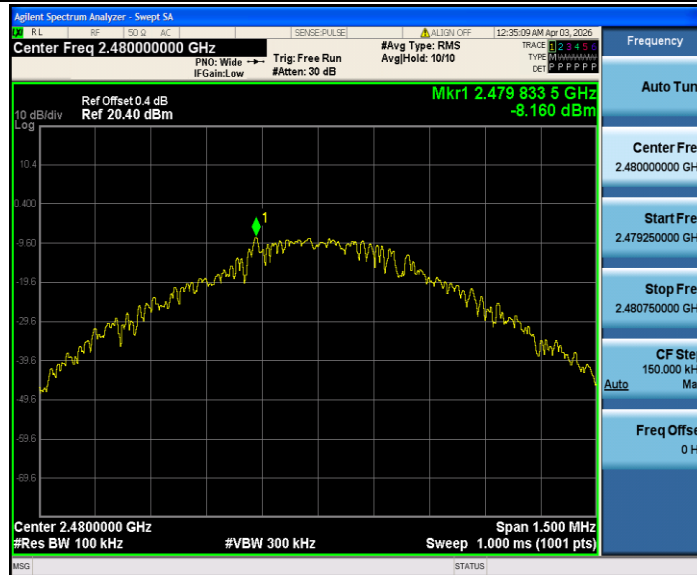


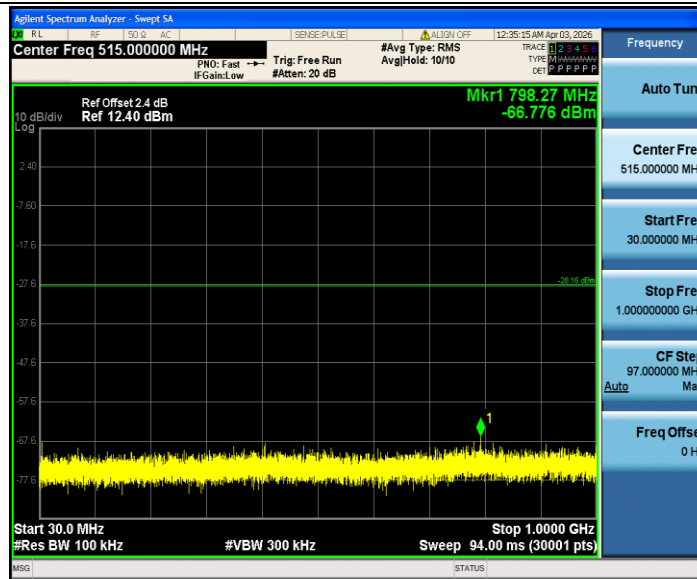
DH5_Ant1_2441_1000~26500



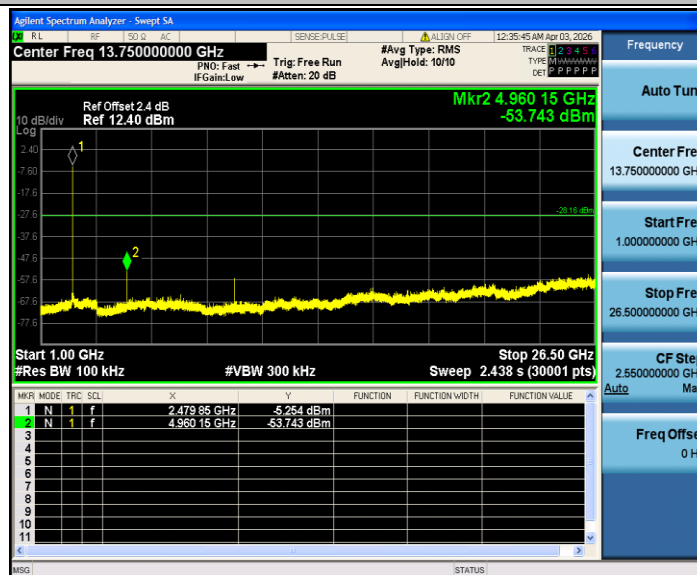
DH5_Ant1_2480_0~Reference



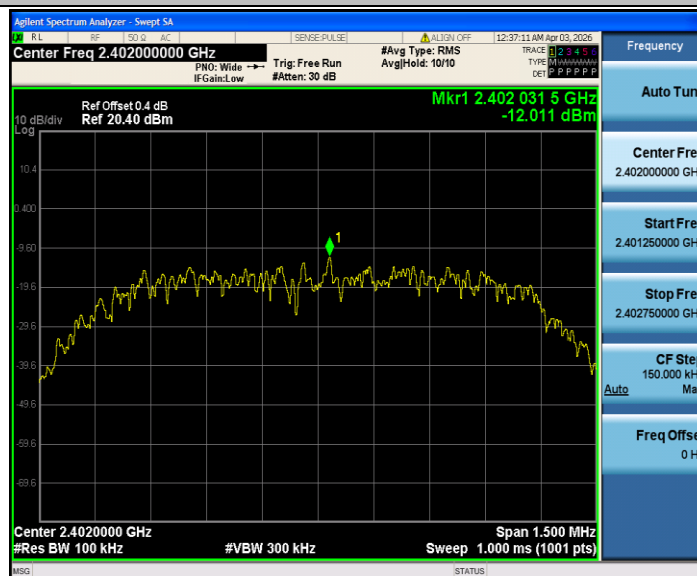
DH5_Ant1_2480_30~1000



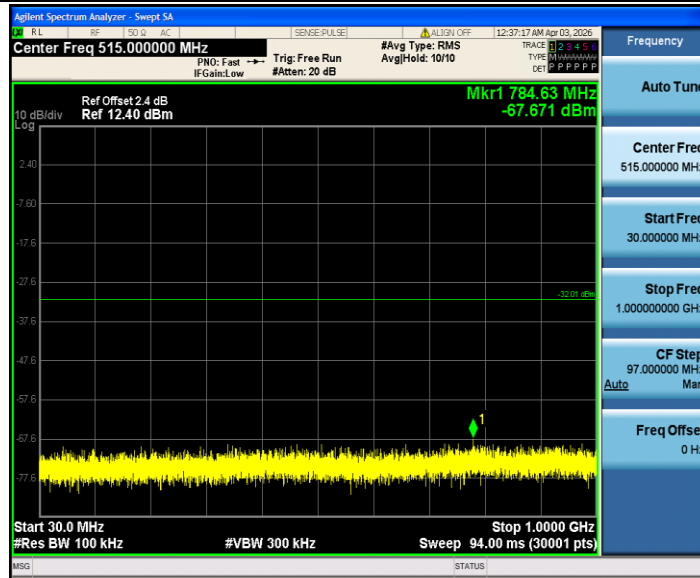
DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



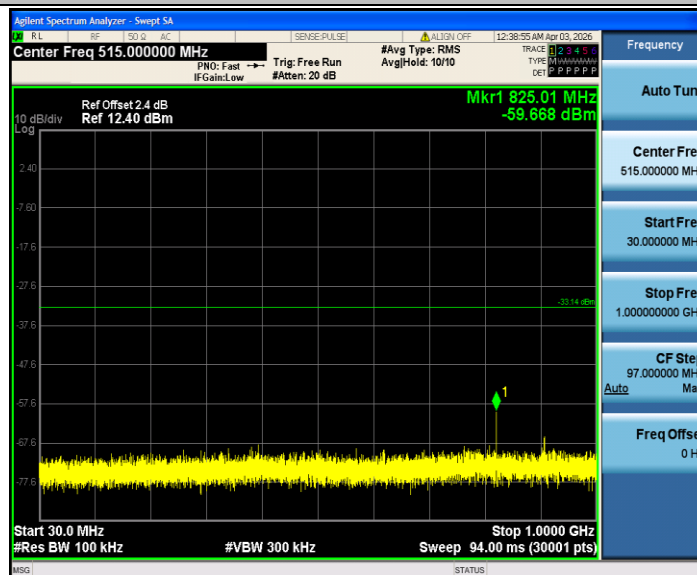
2DH5_Ant1_2402_1000~26500



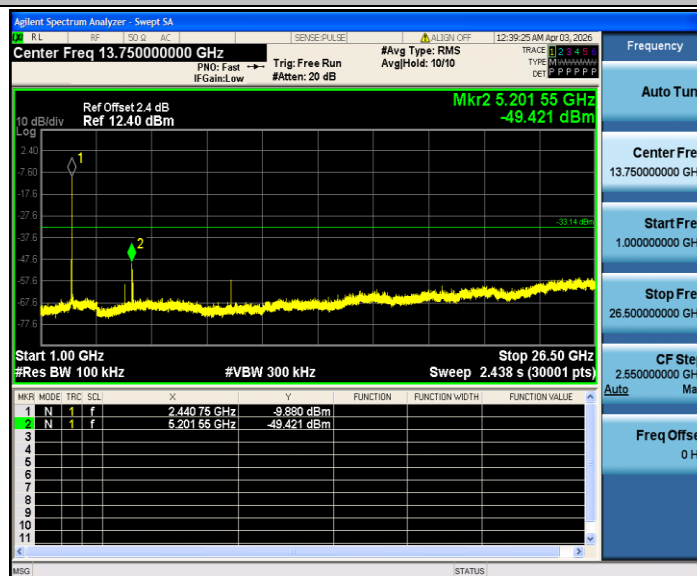
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



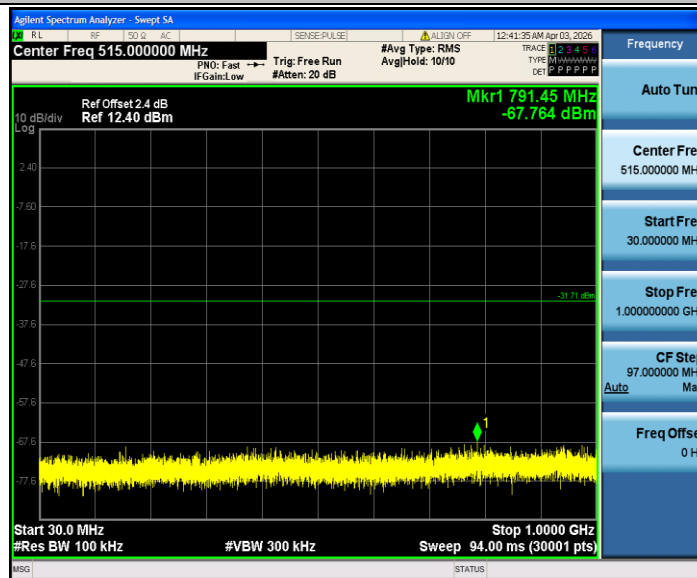
2DH5_Ant1_2441_1000~26500



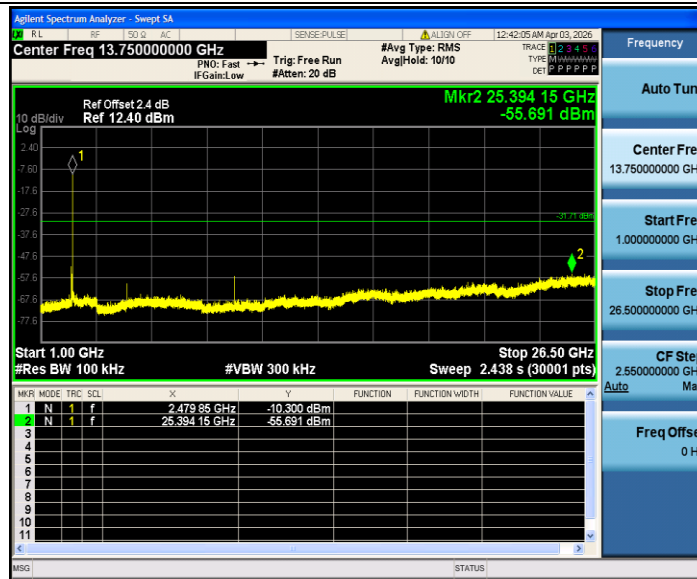
2DH5_Ant1_2480_0~Reference



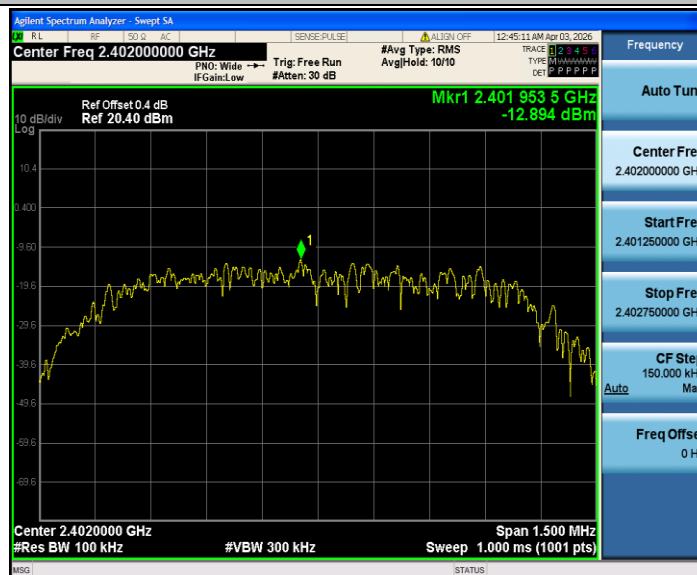
2DH5_Ant1_2480_30~1000



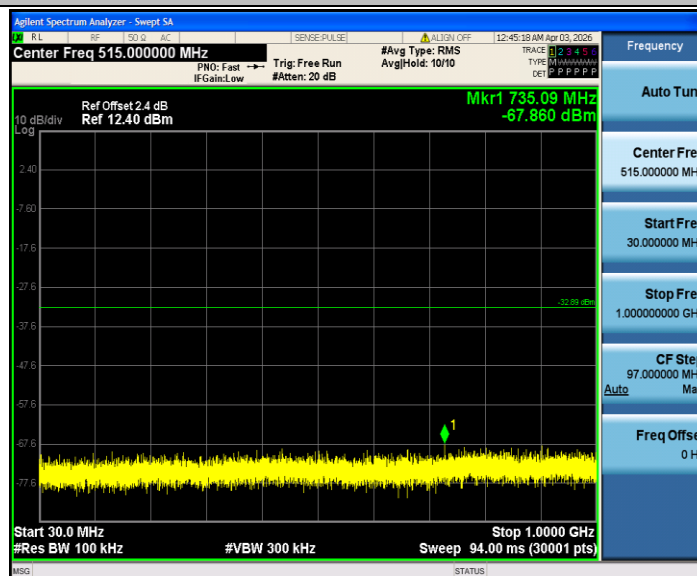
2DH5_Ant1_2480_1000~26500



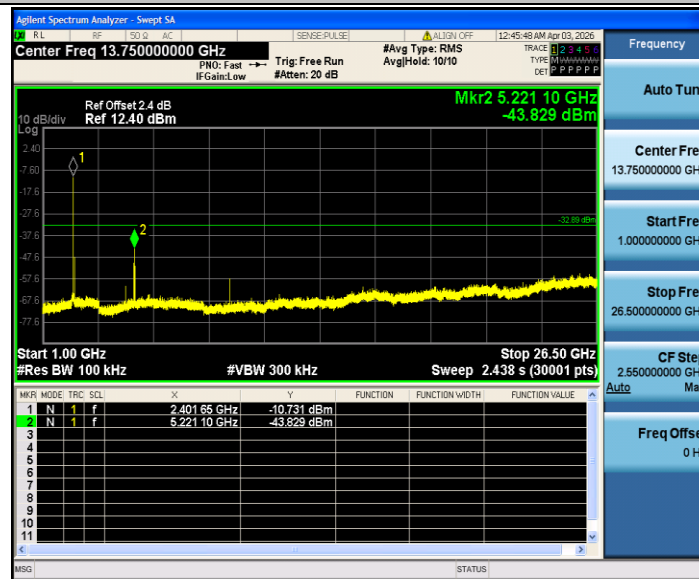
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



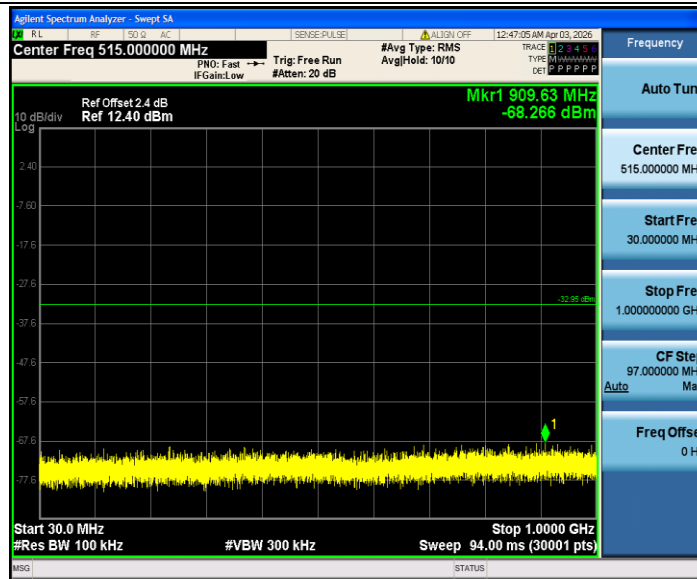
3DH5_Ant1_2402_1000~26500



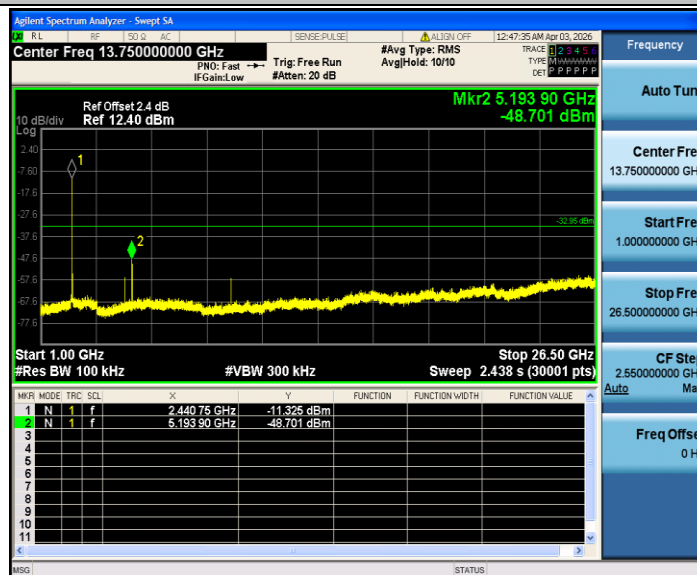
3DH5_Ant1_2441_0~Reference



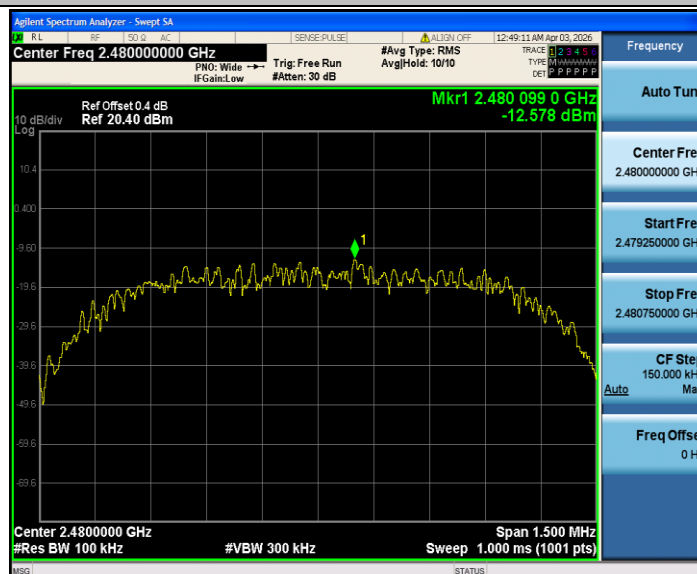
3DH5_Ant1_2441_30~1000



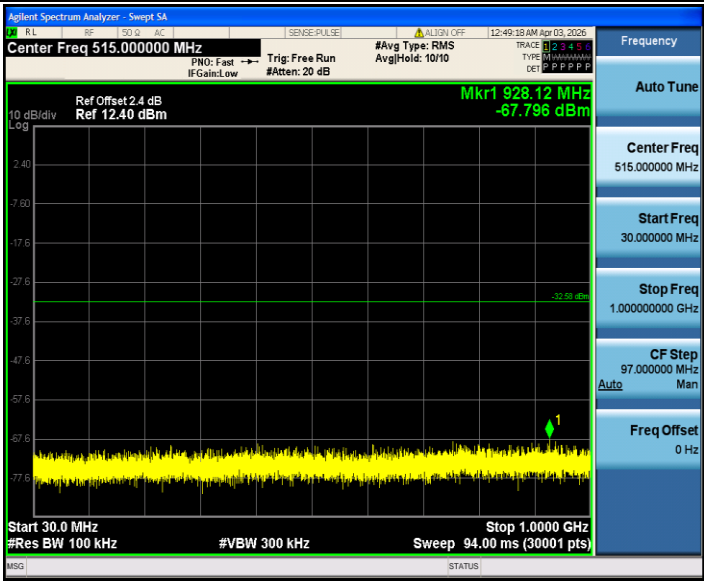
3DH5_Ant1_2441_1000~26500



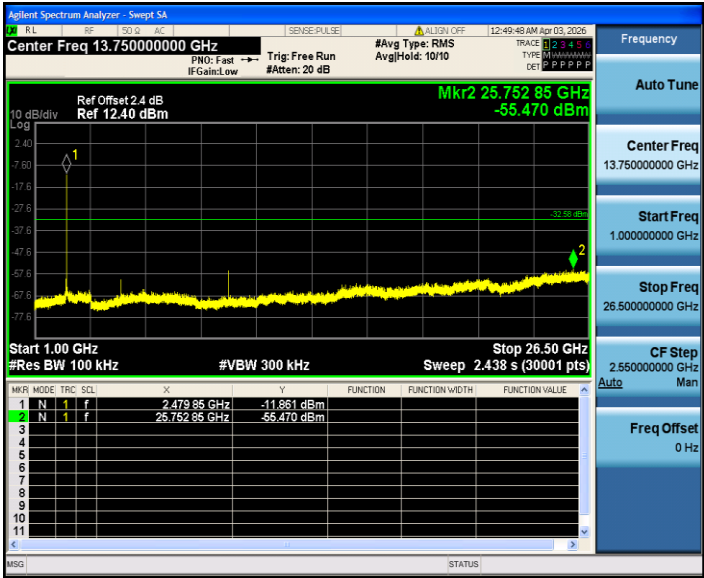
3DH5_Ant1_2480_0~Reference



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	2.92	3.75	77.87	1.09	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.91	3.74	77.81	1.09	---	---
2DH5	Ant1	2402	2.91	3.75	77.60	1.10	---	---
		2441	2.91	3.75	77.60	1.10	---	---
		2480	2.92	3.75	77.87	1.09	---	---
3DH5	Ant1	2402	2.92	3.75	77.87	1.09	---	---
		2441	2.92	3.76	77.66	1.10	---	---
		2480	2.92	3.76	77.66	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 2.402000000 GHz, a span of 0 Hz, and a sweep time of 7.000 ms. The bottom screenshot is for DH5_Ant1_2441, showing a center frequency of 2.441000000 GHz, a span of 0 Hz, and a sweep time of 7.000 ms. Both screenshots show a log scale plot with a reference level of 10.40 dBm and a reference offset of 0.4 dB. The plots show a signal with a peak at 3.750 ms (3Δ1) and a peak at 3.750 ms (3Δ1). The bottom screenshot also shows a peak at 2.910 ms (2Δ1). The right side of the interface displays the frequency settings and the center frequency, start frequency, stop frequency, and CF step.

Figure 10: Agilent Spectrum Analyzer - Sweep SA

Top Screenshot: DH5_Ant1_2402

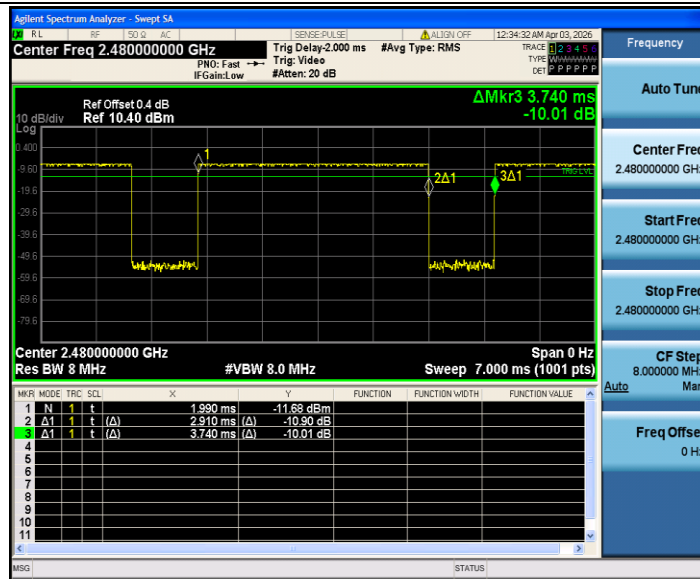
- Center Freq: 2.402000000 GHz
- Trig Delay: 2.000 ms
- #Avg Type: RMS
- Ref Offset: 0.4 dB
- Ref: 10.40 dBm
- ΔMkr3: 3.750 ms
- 6.96 dB
- Center 2.402000000 GHz
- Res BW 8 MHz
- #VBW 8.0 MHz
- Sweep 7.000 ms (1001 pts)
- Span 0 Hz
- CF Step 8.000000 MHz
- Freq Offset 0 Hz

MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.980 ms	-26.88 dBm			
2	Δ1	1	t	(Δ)	2.920 ms	(Δ)	0.35 dB	
3	Δ1	1	t	(Δ)	3.750 ms	(Δ)	6.96 dB	

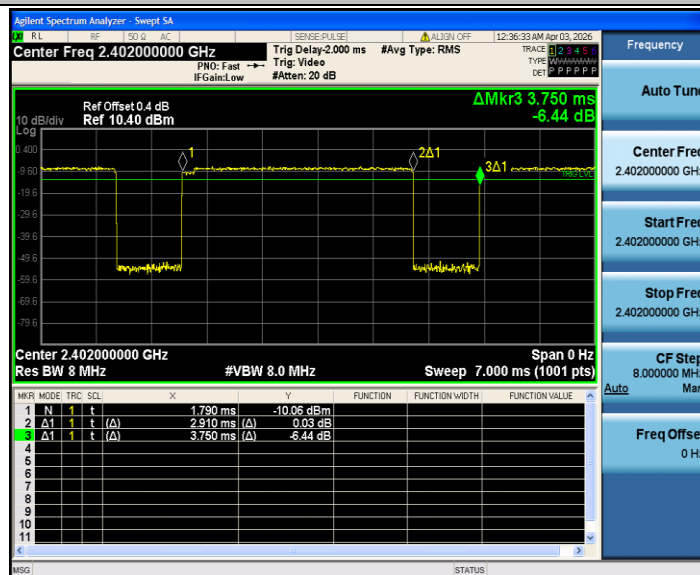
Bottom Screenshot: DH5_Ant1_2441

- Center Freq: 2.441000000 GHz
- Trig Delay: 2.000 ms
- #Avg Type: RMS
- Ref Offset: 0.4 dB
- Ref: 10.40 dBm
- ΔMkr3: 3.750 ms
- 4.10 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

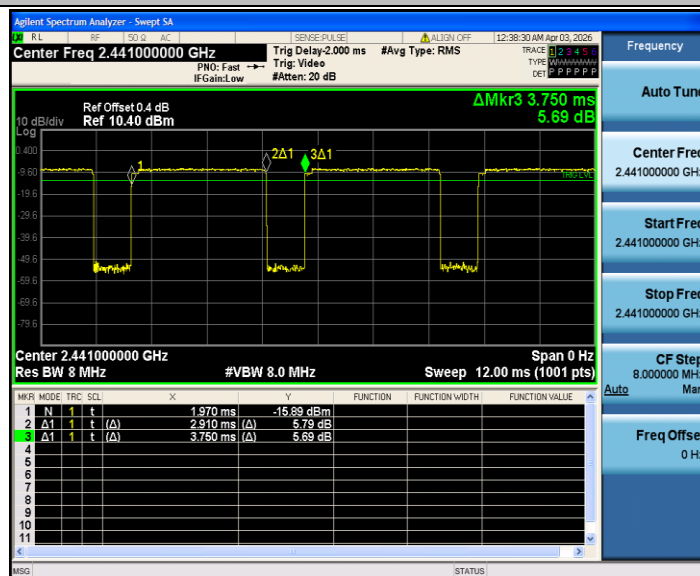
MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.980 ms	-21.72 dBm			
2	Δ1	1	t	(Δ)	2.910 ms	(Δ)	14.67 dB	
3	Δ1	1	t	(Δ)	3.750 ms	(Δ)	4.10 dB	



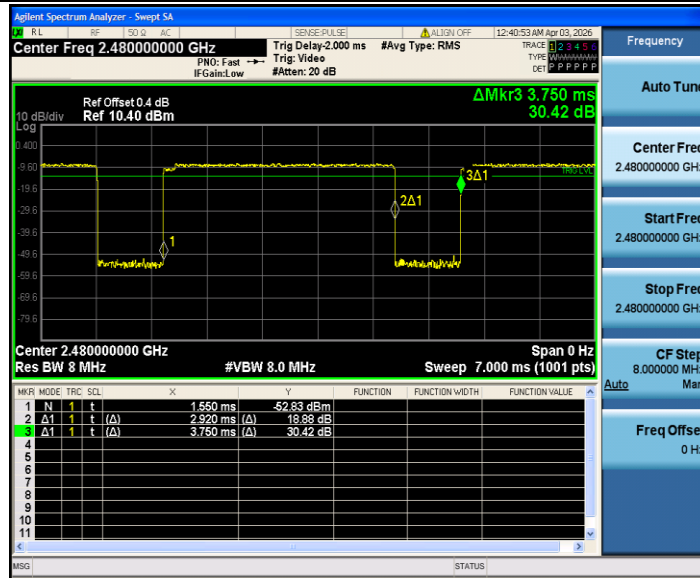
2DH5_Ant1_2402



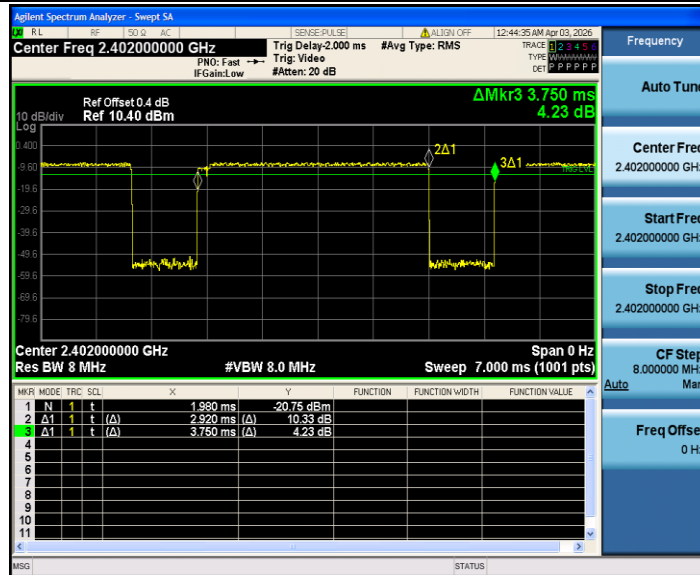
2DH5_Ant1_2441



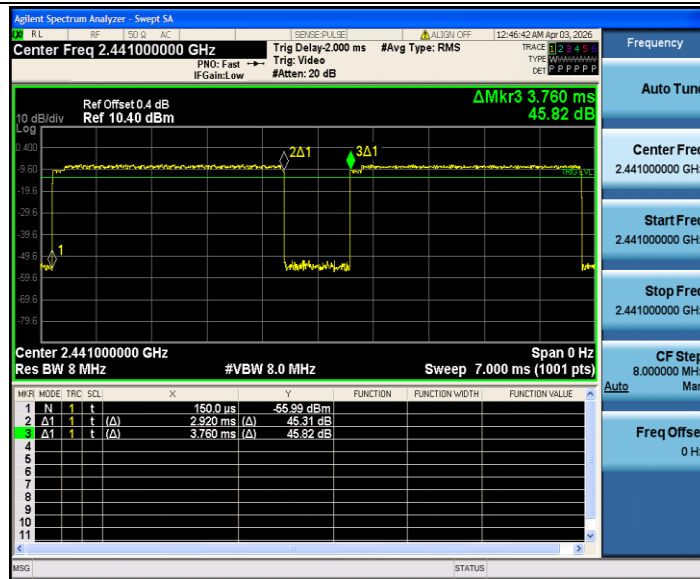
2DH5_Ant1_2480



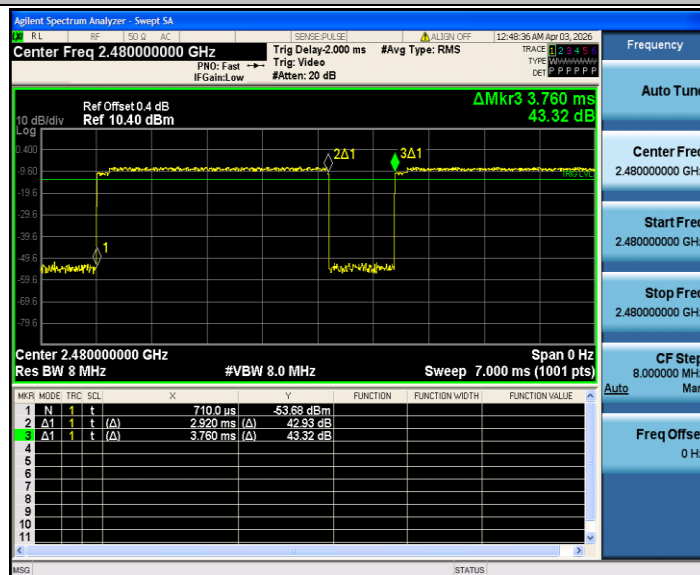
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix J: Emissions in Restricted Bands

Test Result

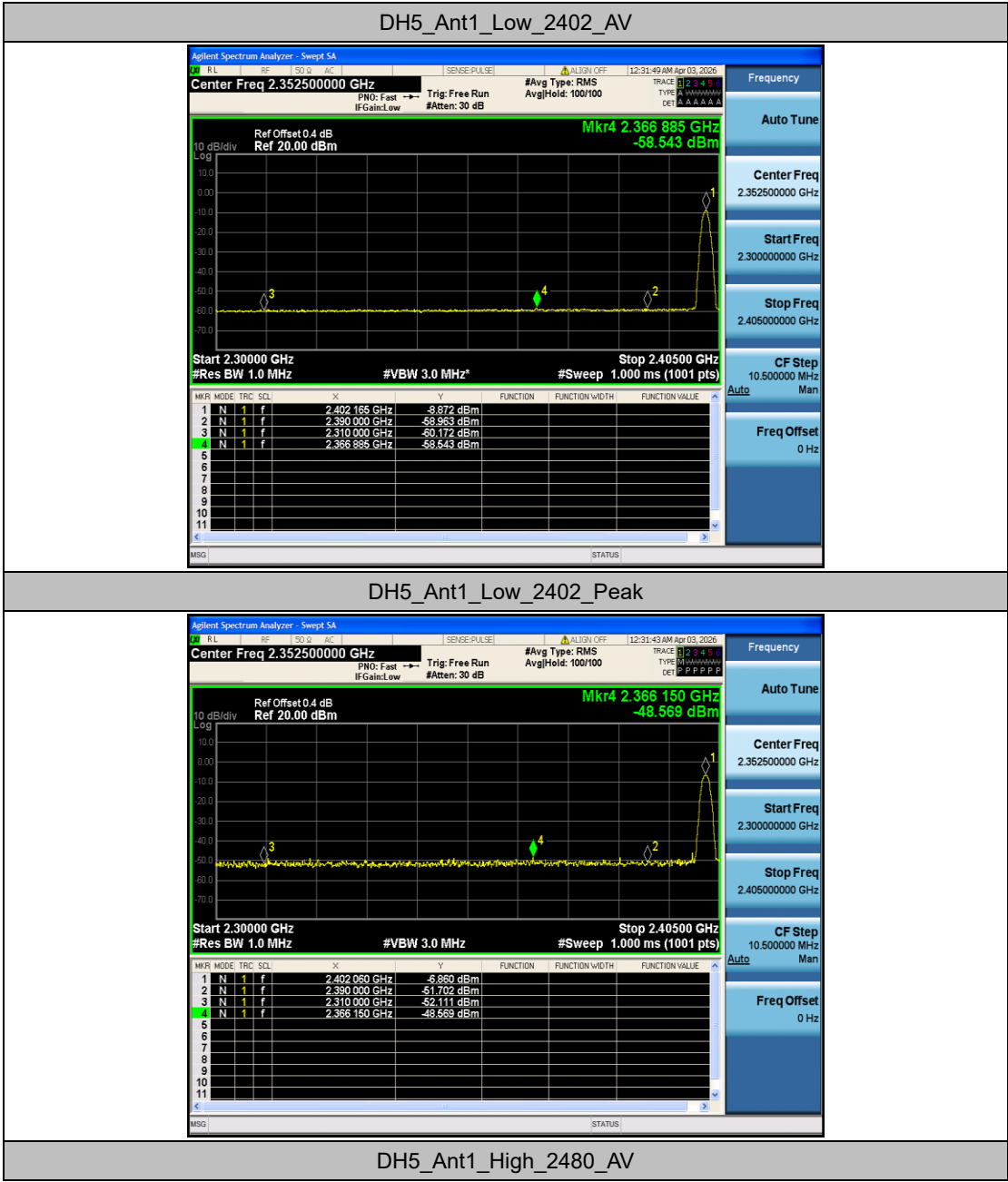
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-60.17	2.00	1.09	38.12	≤54	PASS
				AV	2366.885	-58.54	2.00	1.09	39.75	≤54	PASS
				AV	2390.000	-58.96	2.00	1.09	39.33	≤54	PASS
				Peak	2310.000	-52.11	2.00	0.00	45.09	≤74	PASS
				Peak	2366.150	-48.57	2.00	0.00	48.63	≤74	PASS
				Peak	2390.000	-51.7	2.00	0.00	45.50	≤74	PASS
		High	2480	AV	2483.500	-59.14	2.00	1.09	39.15	≤54	PASS
				AV	2484.640	-58.36	2.00	1.09	39.93	≤54	PASS
				AV	2500.000	-58.79	2.00	1.09	39.50	≤54	PASS
				Peak	2483.500	-50.2	2.00	0.00	47.00	≤74	PASS
				Peak	2485.280	-47.86	2.00	0.00	49.34	≤74	PASS
				Peak	2500.000	-51.9	2.00	0.00	45.30	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-59.52	2.00	1.10	38.78	≤54	PASS
				AV	2384.840	-58.63	2.00	1.10	39.67	≤54	PASS
				AV	2390.000	-59.51	2.00	1.10	38.79	≤54	PASS
				Peak	2310.000	-52.65	2.00	0.00	44.55	≤74	PASS
				Peak	2387.885	-49.18	2.00	0.00	48.02	≤74	PASS
				Peak	2390.000	-52.45	2.00	0.00	44.75	≤74	PASS

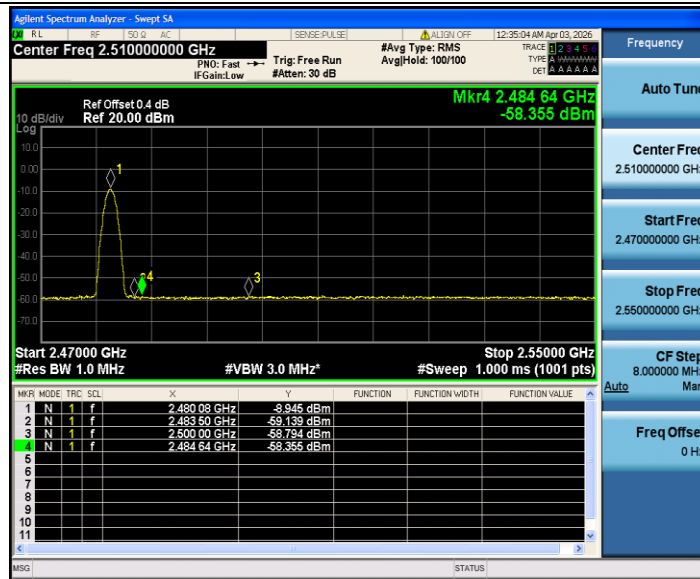
		High	2480	AV	2483.500	-58.96	2.00	1.09	39.33	≤54	PASS
				AV	2496.000	-58.33	2.00	1.09	39.96	≤54	PASS
				AV	2500.000	-59.27	2.00	1.09	39.02	≤54	PASS
				Peak	2483.500	-51.43	2.00	0.00	45.77	≤74	PASS
				Peak	2499.280	-48.34	2.00	0.00	48.86	≤74	PASS
				Peak	2500.000	-49.46	2.00	0.00	47.74	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-60.19	2.00	1.09	38.10	≤54	PASS
				AV	2384.105	-58.65	2.00	1.09	39.64	≤54	PASS
				AV	2390.000	-59.99	2.00	1.09	38.30	≤54	PASS
				Peak	2310.000	-52.85	2.00	0.00	44.35	≤74	PASS
				Peak	2377.280	-47.97	2.00	0.00	49.23	≤74	PASS
				Peak	2390.000	-51.3	2.00	0.00	45.90	≤74	PASS
		High	2480	AV	2483.500	-58.89	2.00	1.10	39.41	≤54	PASS
				AV	2493.280	-58.39	2.00	1.10	39.91	≤54	PASS
				AV	2500.000	-59.28	2.00	1.10	39.02	≤54	PASS
				Peak	2483.500	-52.01	2.00	0.00	45.19	≤74	PASS
				Peak	2486.080	-48.36	2.00	0.00	48.84	≤74	PASS
				Peak	2500.000	-50.37	2.00	0.00	46.83	≤74	PASS

Note:

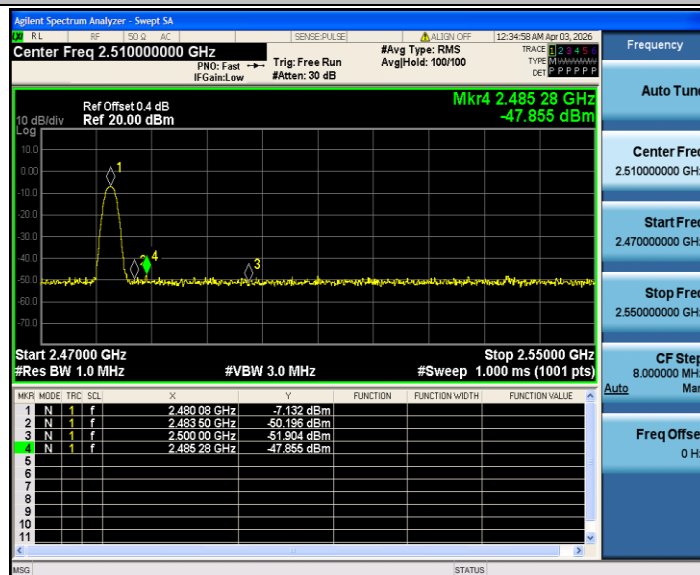
1. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

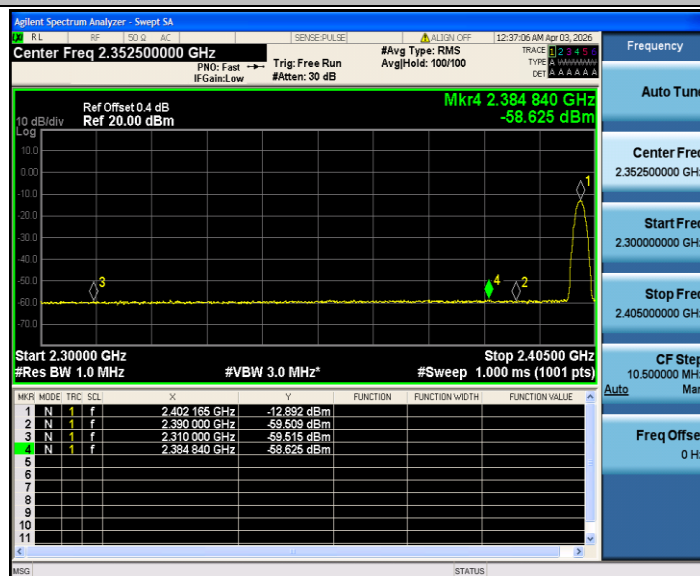




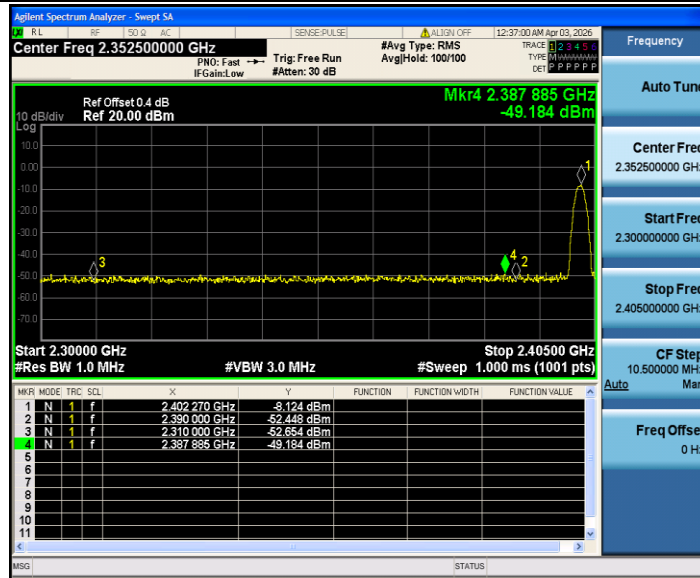
DH5_Ant1_High_2480_Peak



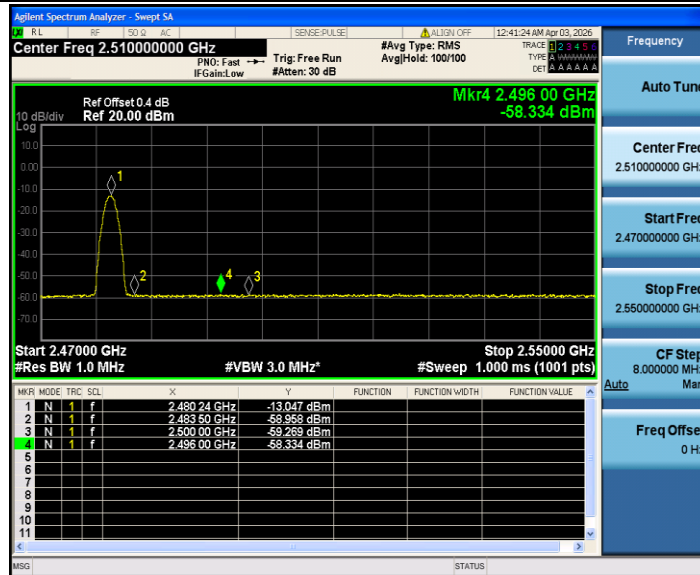
2DH5_Ant1_Low_2402_AV



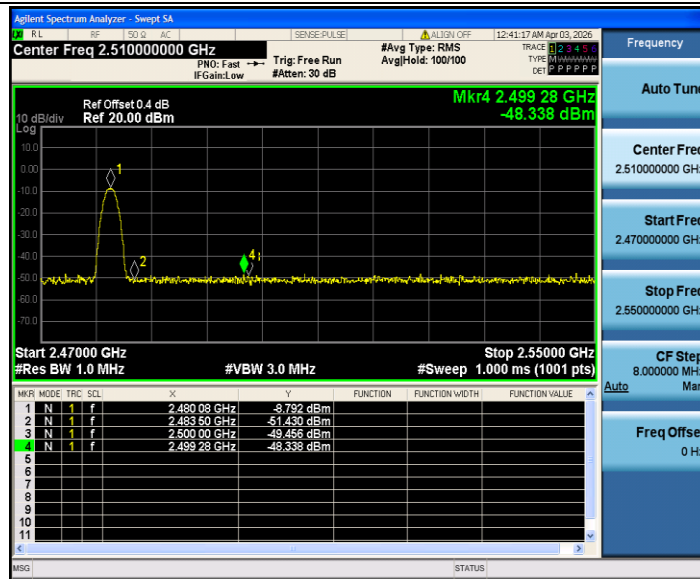
2DH5_Ant1_Low_2402_Peak



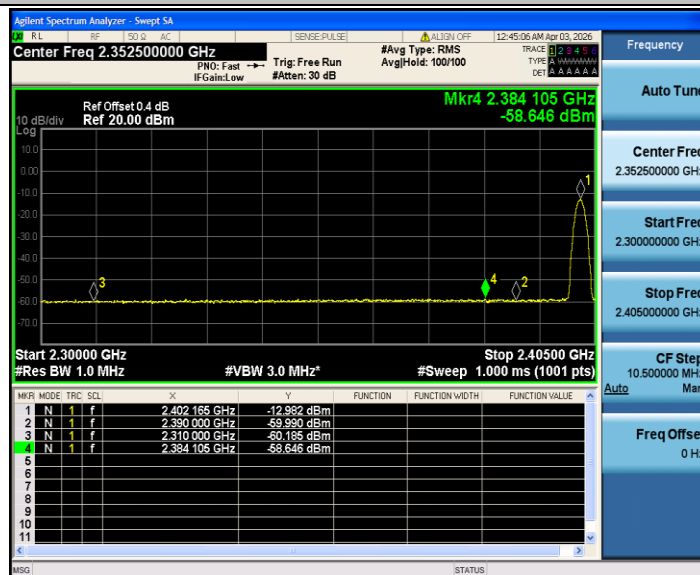
2DH5_Ant1_High_2480_AV



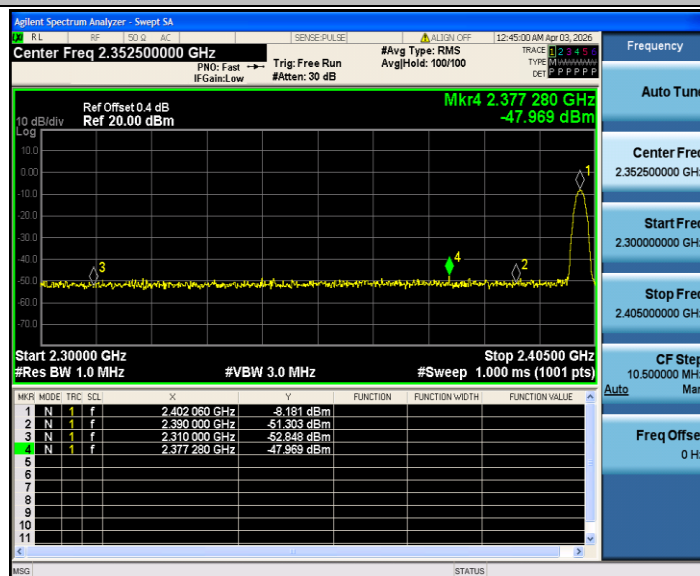
2DH5_Ant1_High_2480_Peak



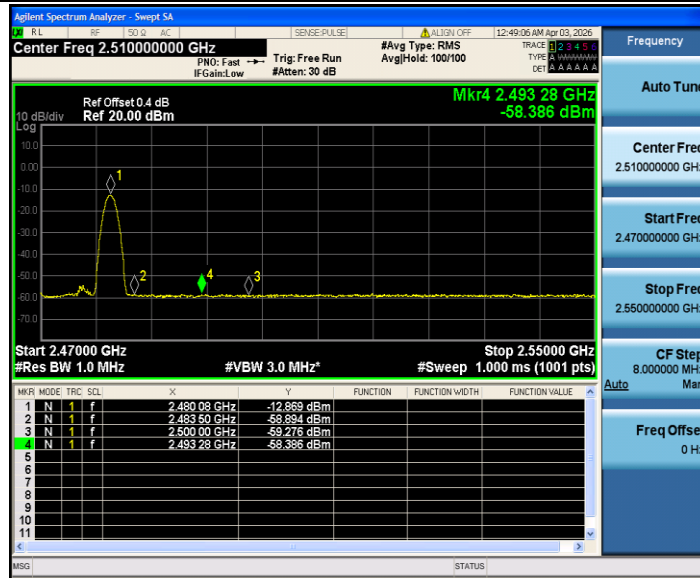
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

