

FCC Appendix RF Test Data for BT

FCC ID : 2BVDW-V06

Company : SHENZHEN KINGRING TECHNOLOGY CO.,LTD

EUT : Smart glasses

Model Number : V06

Report No. : CTA26040901601

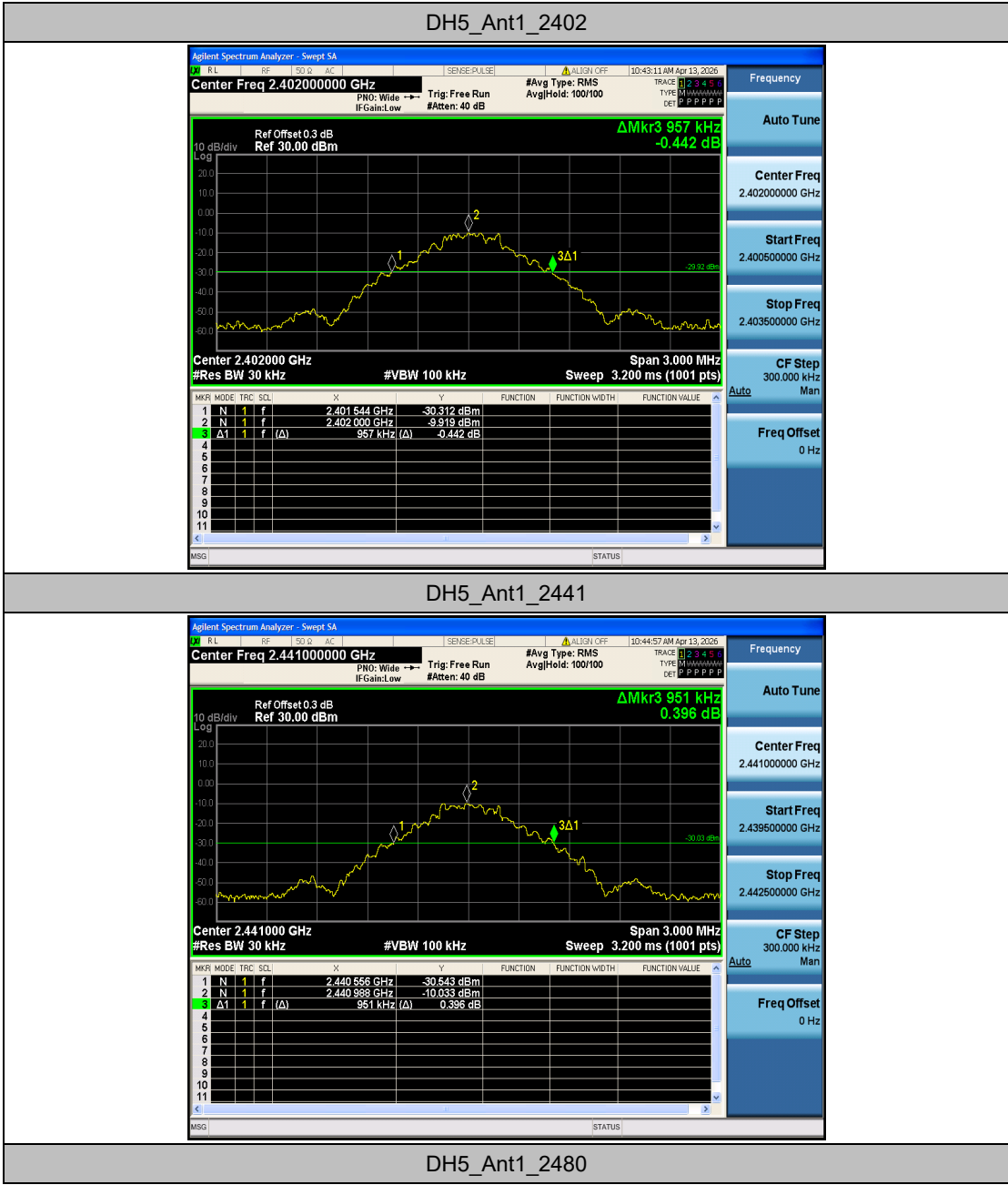
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.544	2402.501	---	---
		2441	0.951	2440.556	2441.507	---	---
		2480	0.954	2479.550	2480.504	---	---
2DH5	Ant1	2402	1.281	2401.382	2402.663	---	---
		2441	1.278	2440.385	2441.663	---	---
		2480	1.326	2479.346	2480.672	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

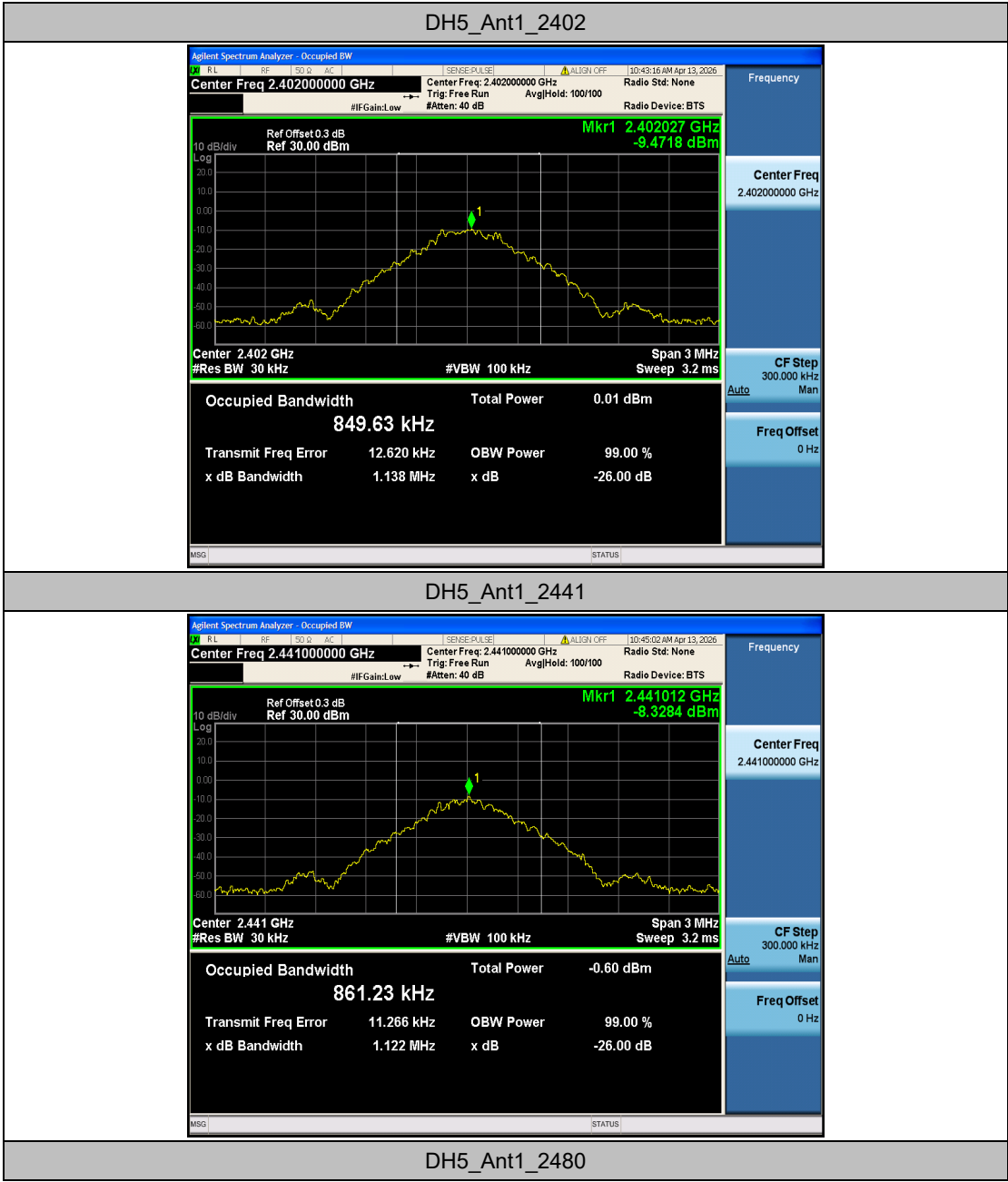


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84963	2401.5878	2402.4374	---	---
		2441	0.86123	2440.5807	2441.4419	---	---
		2480	0.86098	2479.5830	2480.4440	---	---
2DH5	Ant1	2402	1.1887	2401.4170	2402.6057	---	---
		2441	1.1839	2440.4206	2441.6045	---	---
		2480	1.1897	2479.4180	2480.6077	---	---

Test Graphs





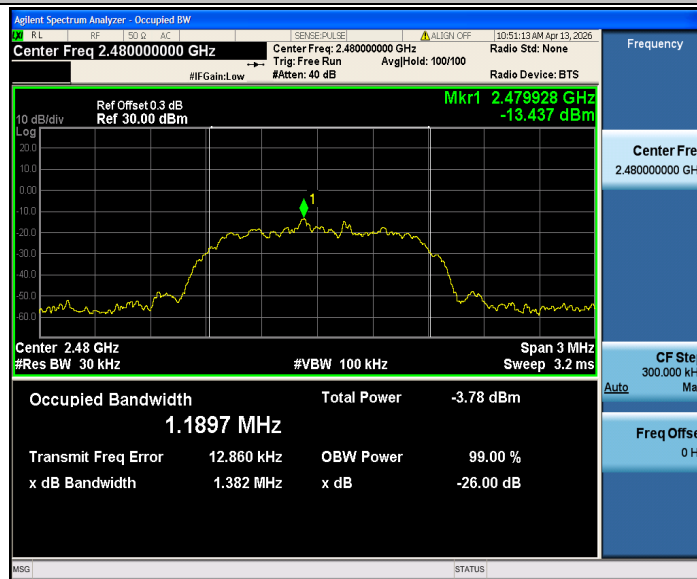
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

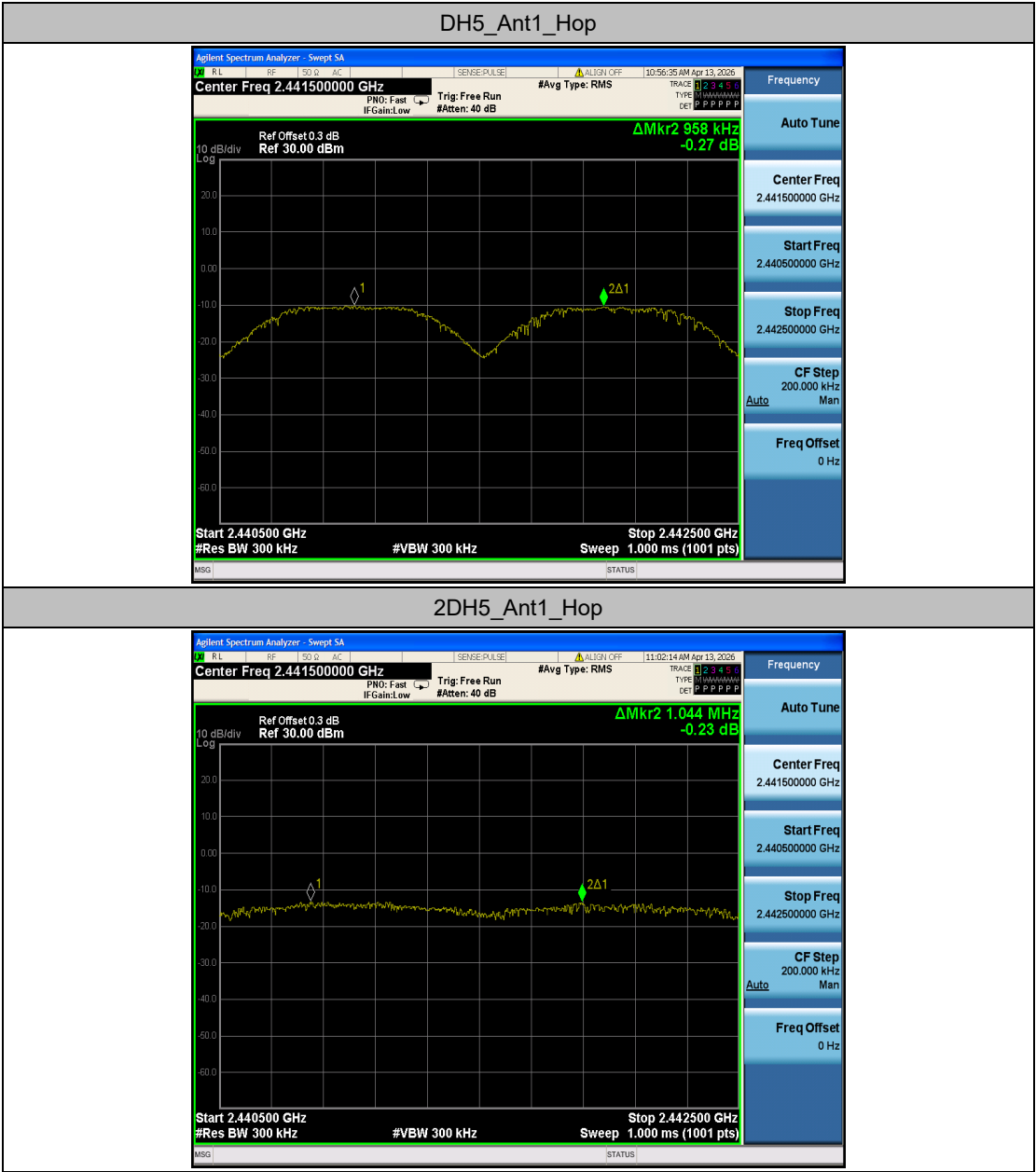
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-6.51	≤20.97	PASS
		2441	-6.83	≤20.97	PASS
		2480	-6.94	≤20.97	PASS
2DH5	Ant1	2402	-7.35	≤20.97	PASS
		2441	-7.66	≤20.97	PASS
		2480	-7.71	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.958	≥ 0.957	PASS
2DH5	Ant1	Hop	1.044	≥ 0.884	PASS

Test Graphs

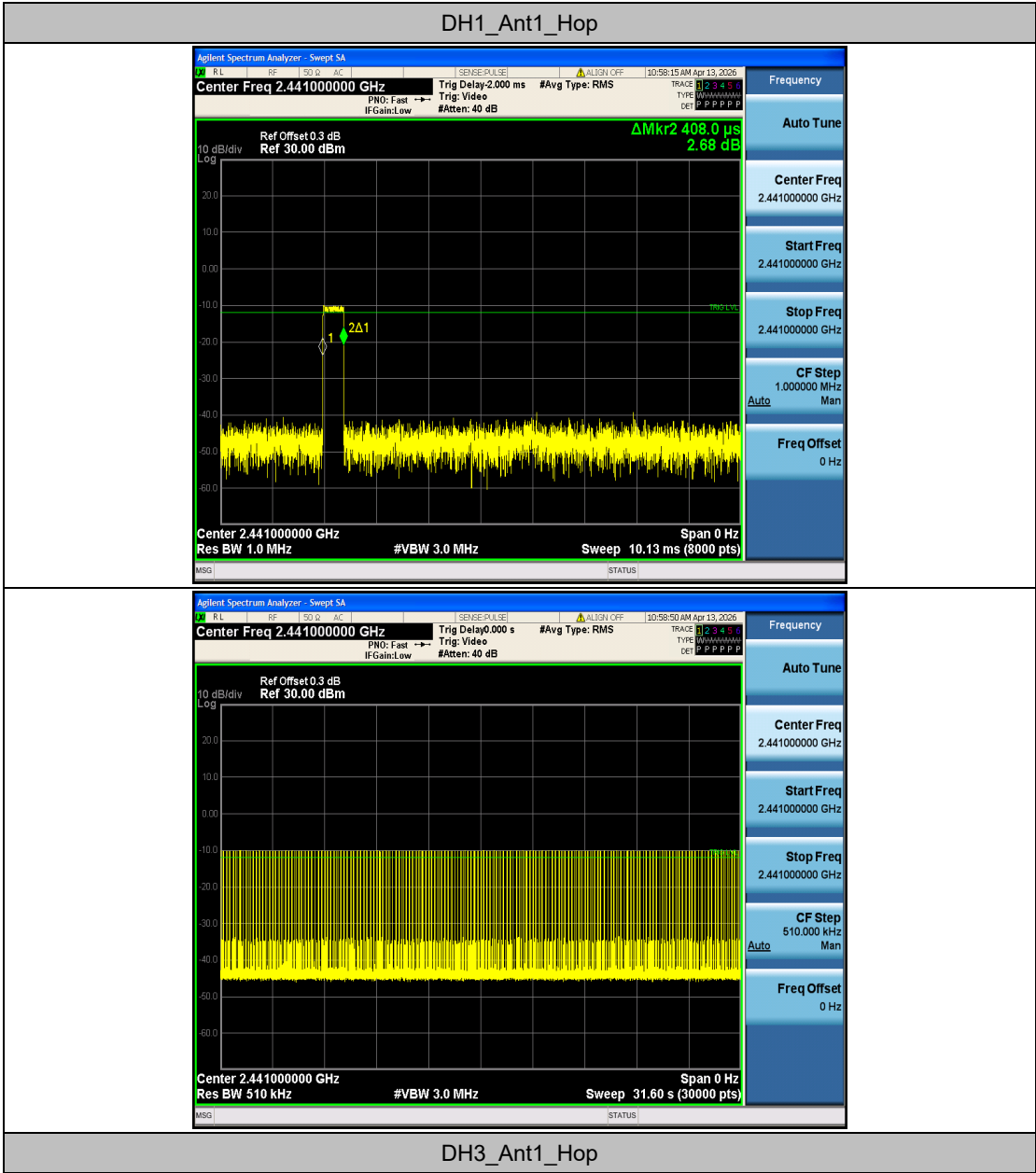


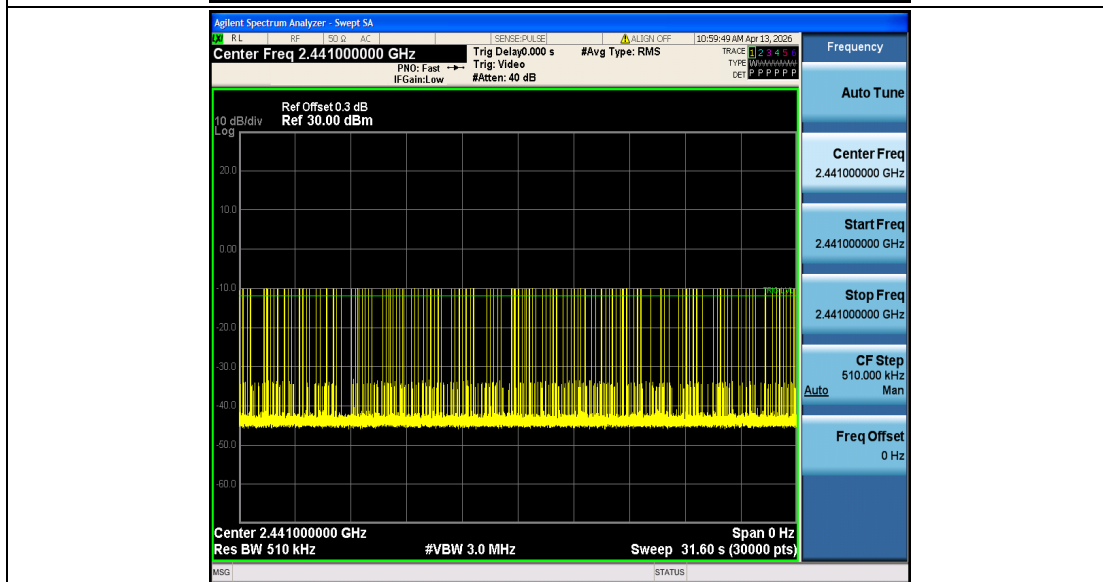
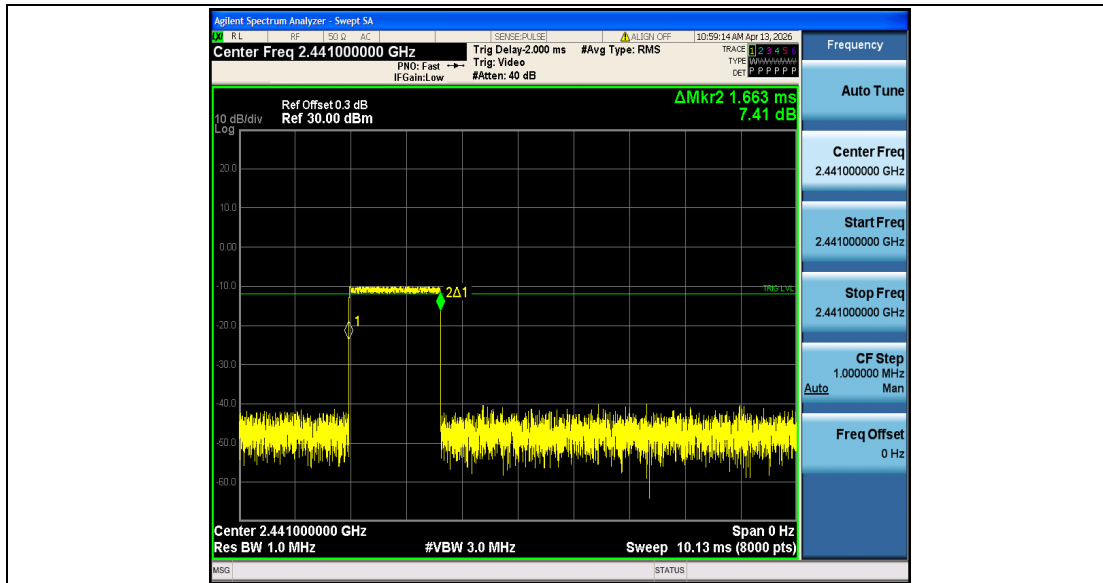
Appendix E: Time of occupancy

Test Result

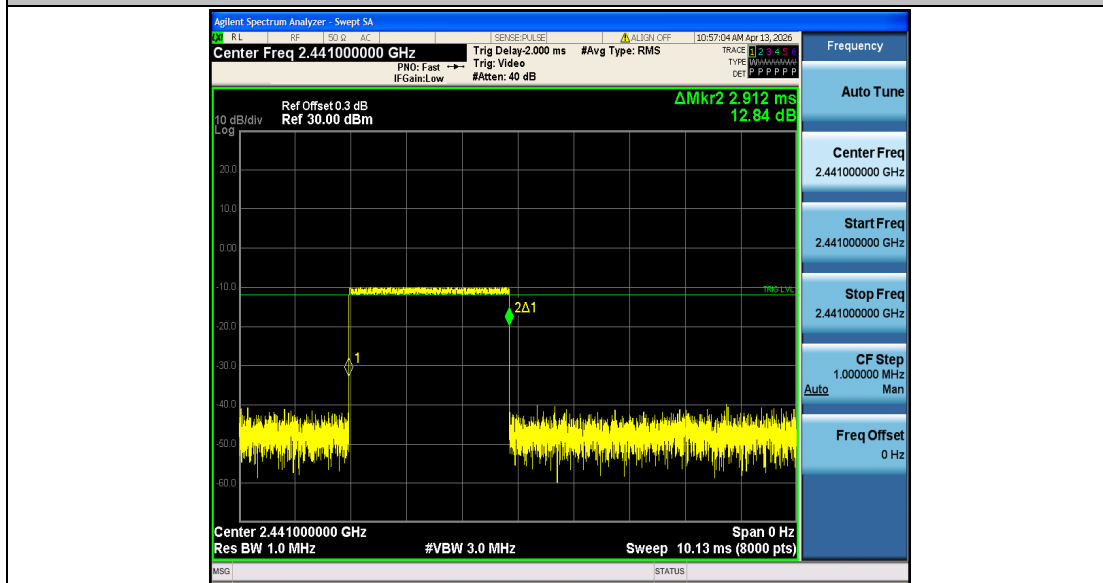
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.408	318	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.663	159	0.264	≤0.4	PASS
DH5	Ant1	Hop	2.912	105	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.418	319	0.133	≤0.4	PASS
2DH3	Ant1	Hop	1.669	152	0.254	≤0.4	PASS
2DH5	Ant1	Hop	2.918	96	0.28	≤0.4	PASS

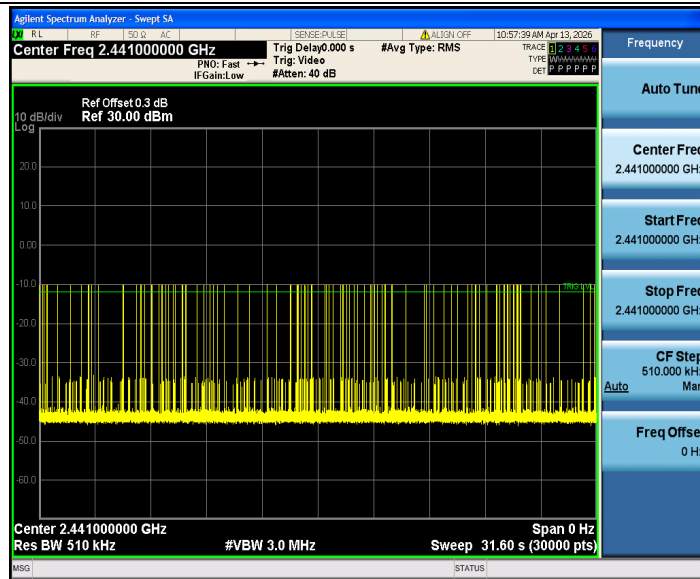
Test Graphs



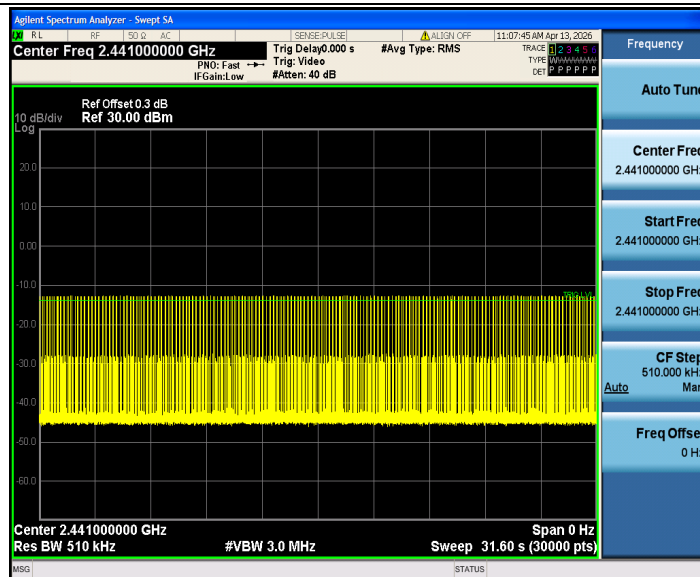
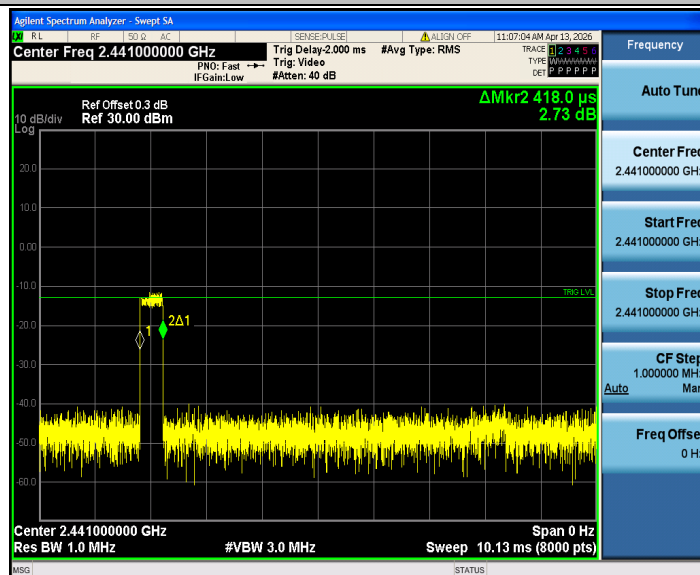


DH5_Ant1_Hop

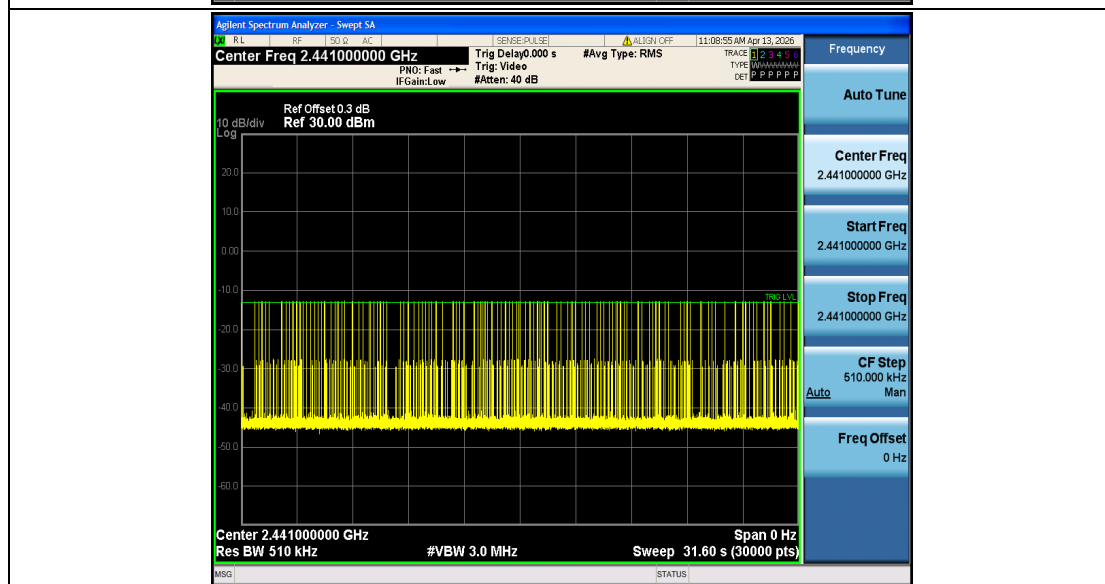
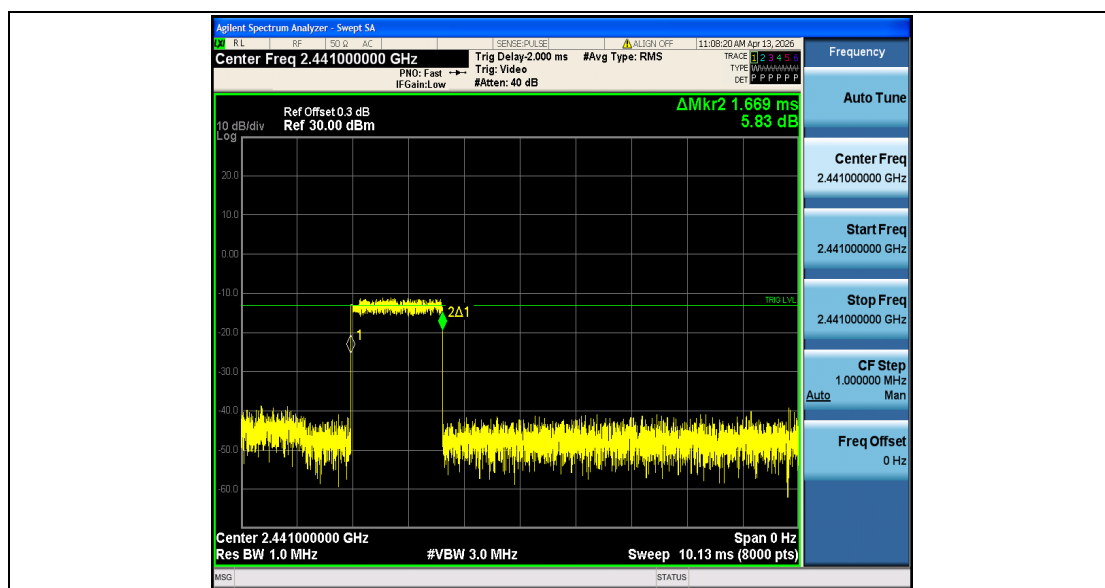




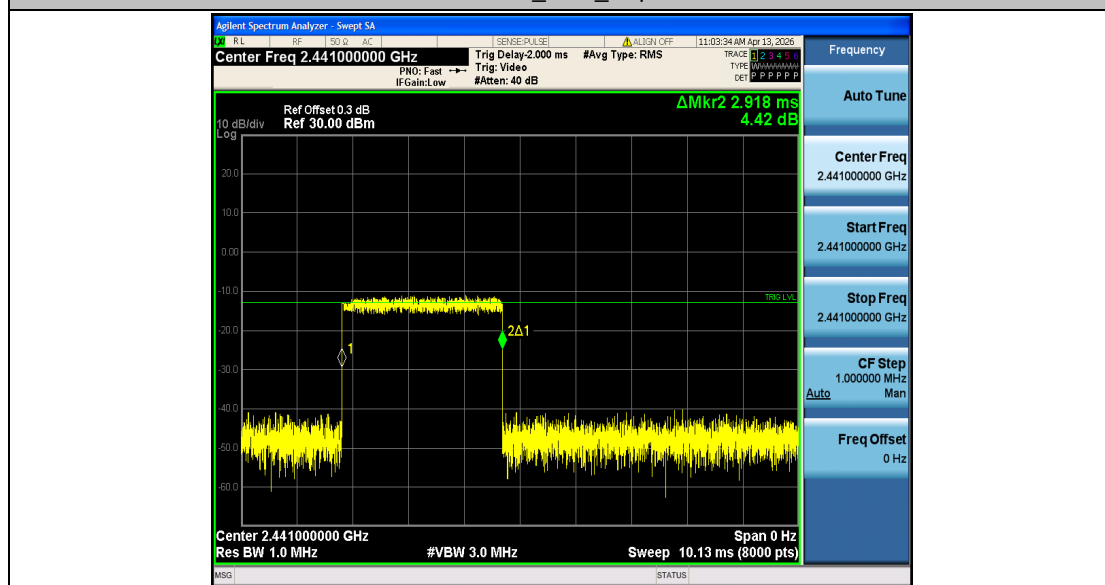
2DH1_Ant1_Hop

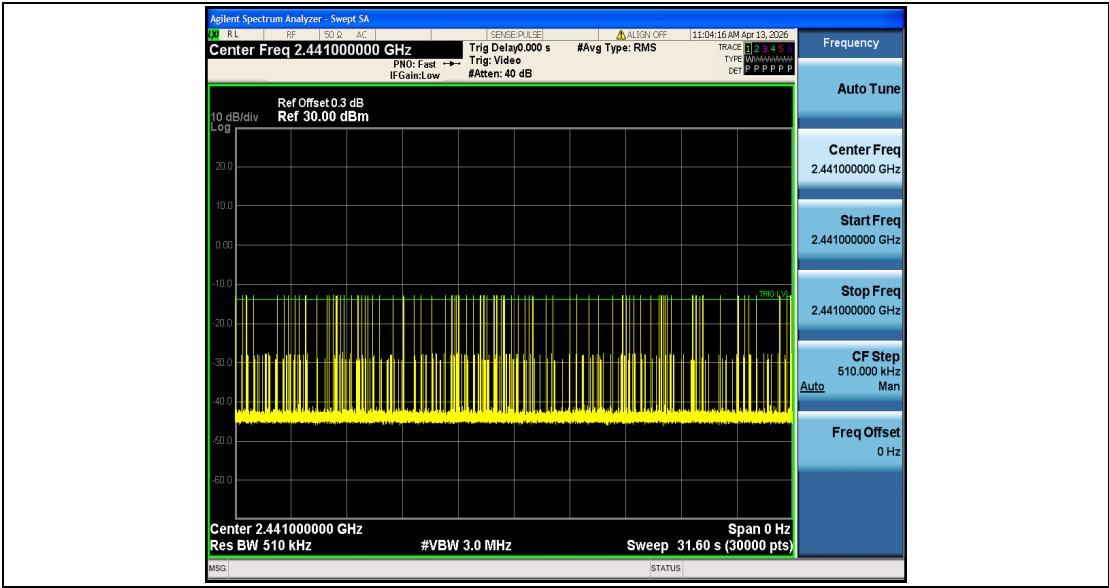


2DH3_Ant1_Hop



2DH5_Ant1_Hop



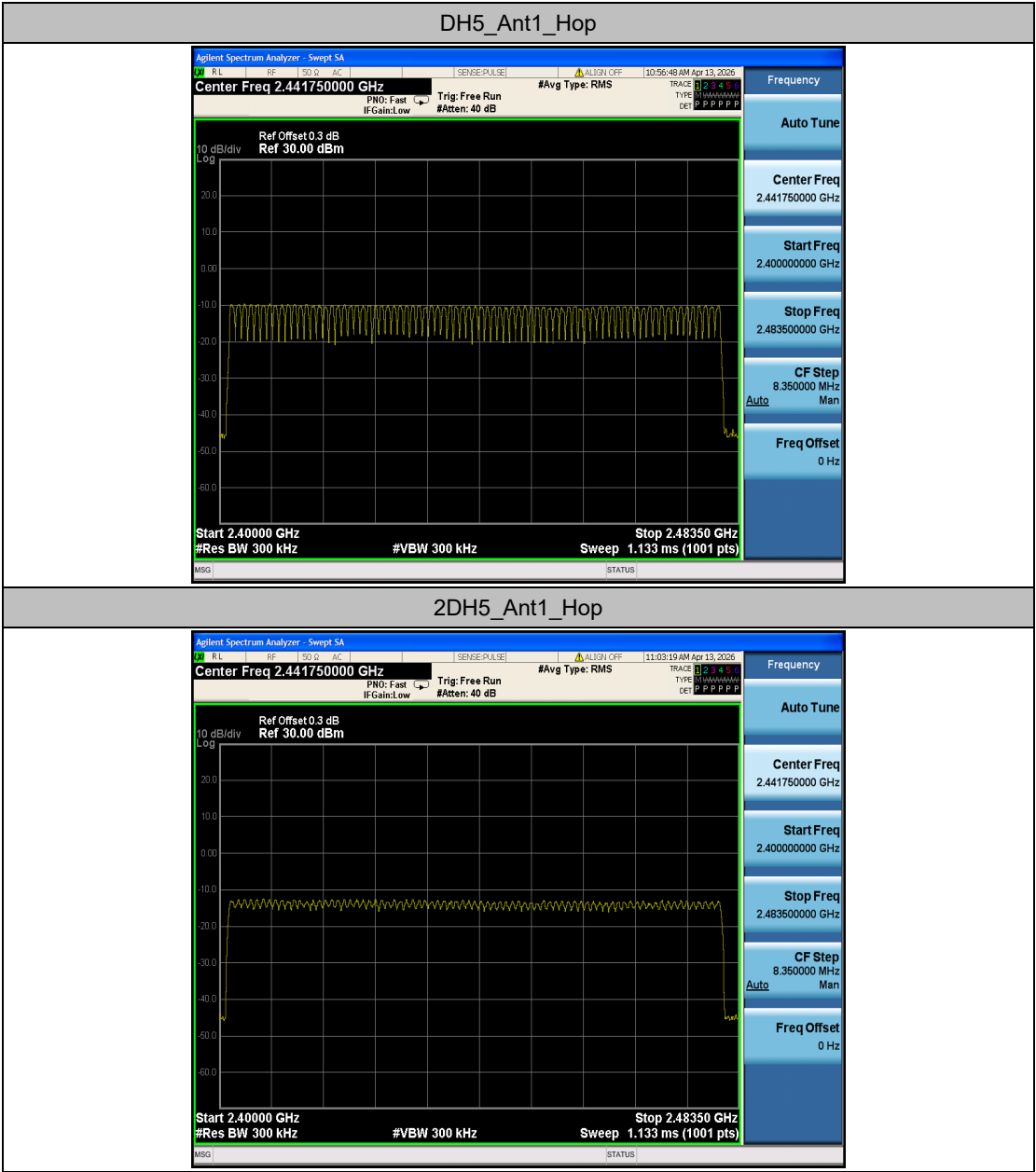


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

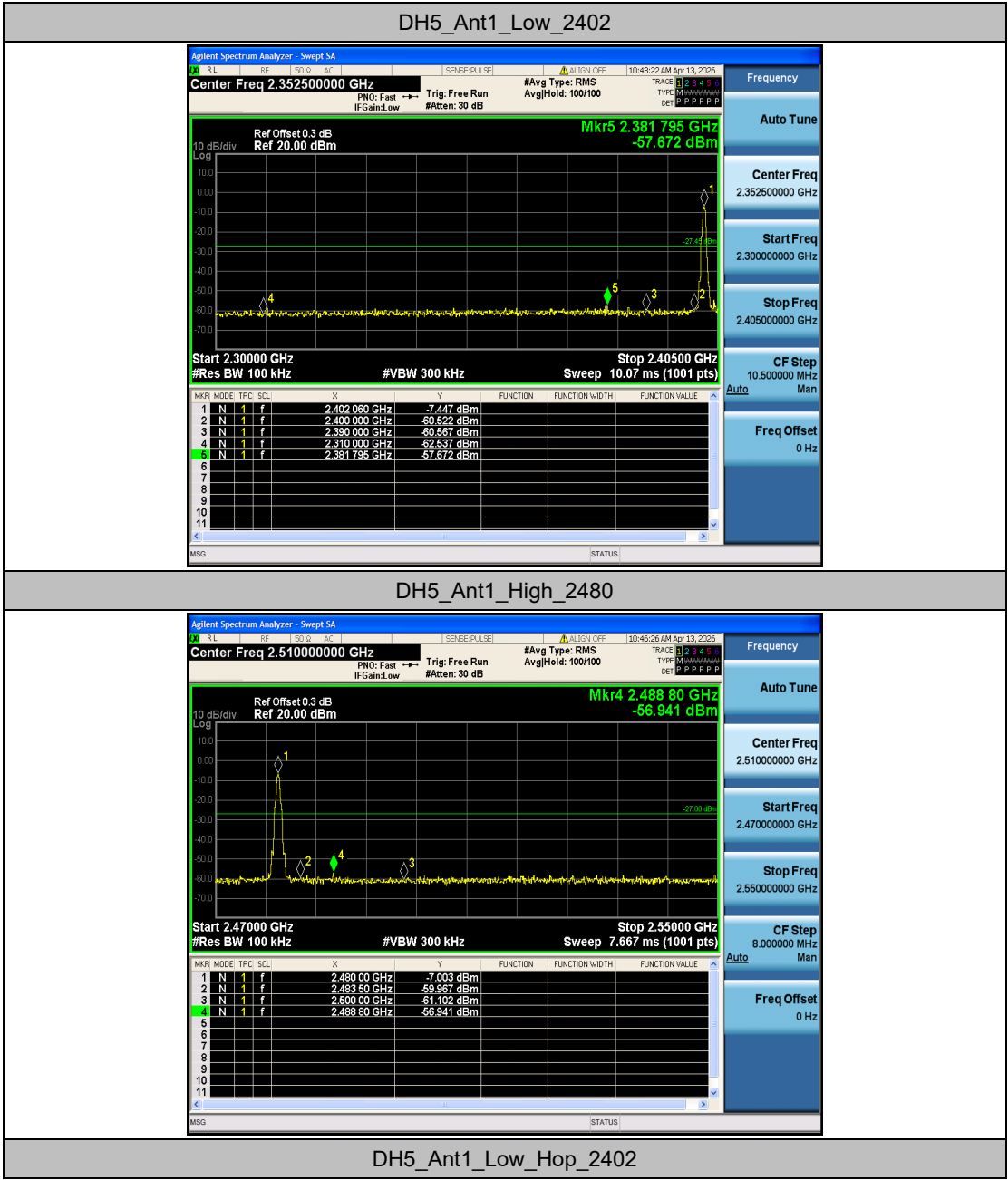


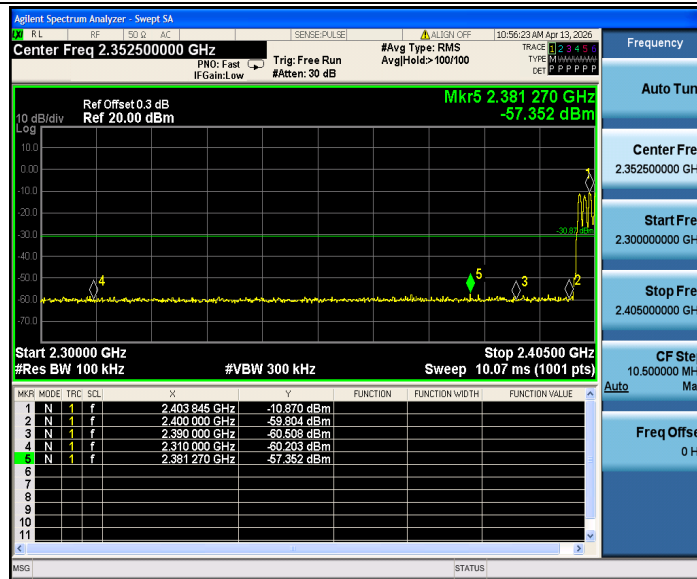
Appendix G: Band edge measurements

Test Result

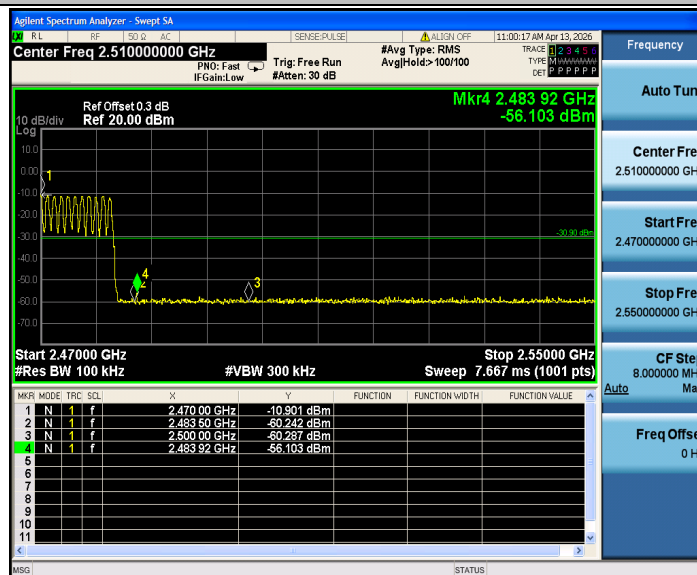
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-7.45	-57.67	≤ -27.45	PASS
		High	2480	-7.00	-56.94	≤ -27	PASS
		Low	Hop_2402	-10.87	-57.35	≤ -30.87	PASS
		High	Hop_2480	-10.90	-56.1	≤ -30.9	PASS
2DH5	Ant1	Low	2402	-11.69	-57.66	≤ -31.69	PASS
		High	2480	-10.82	-56.25	≤ -30.82	PASS
		Low	Hop_2402	-17.63	-58.66	≤ -37.63	PASS
		High	Hop_2480	-16.61	-55.95	≤ -36.61	PASS

Test Graphs

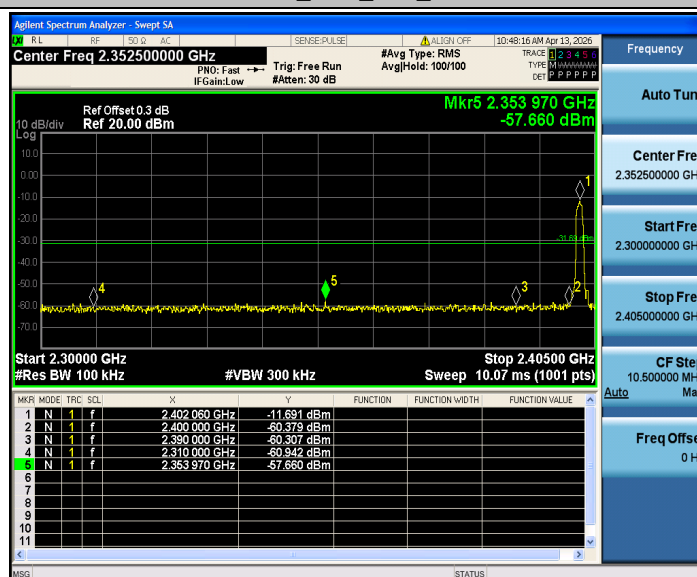




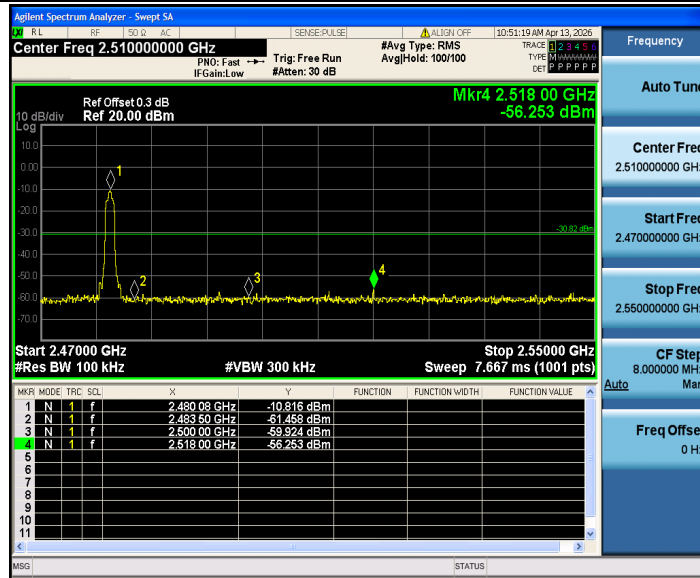
DH5_Ant1_High_Hop_2480



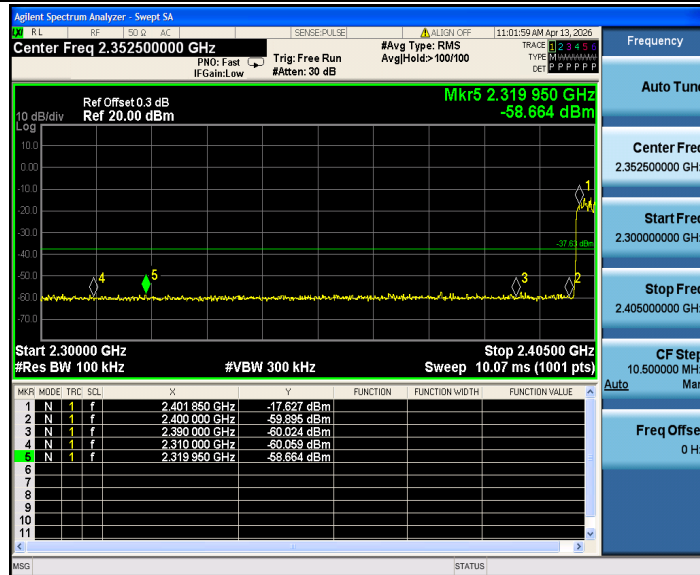
2DH5_Ant1_Low_2402



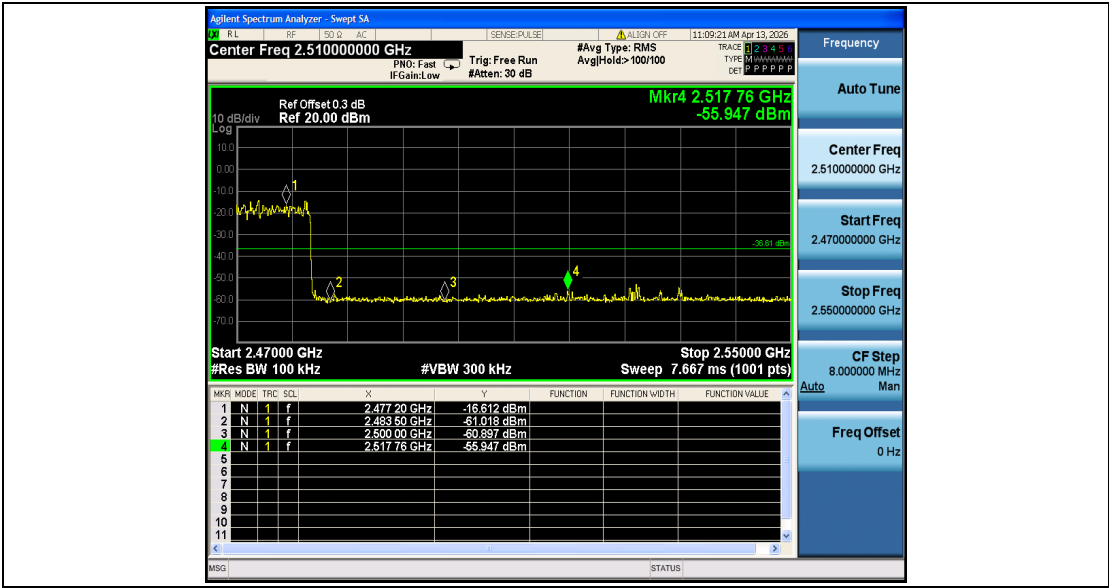
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

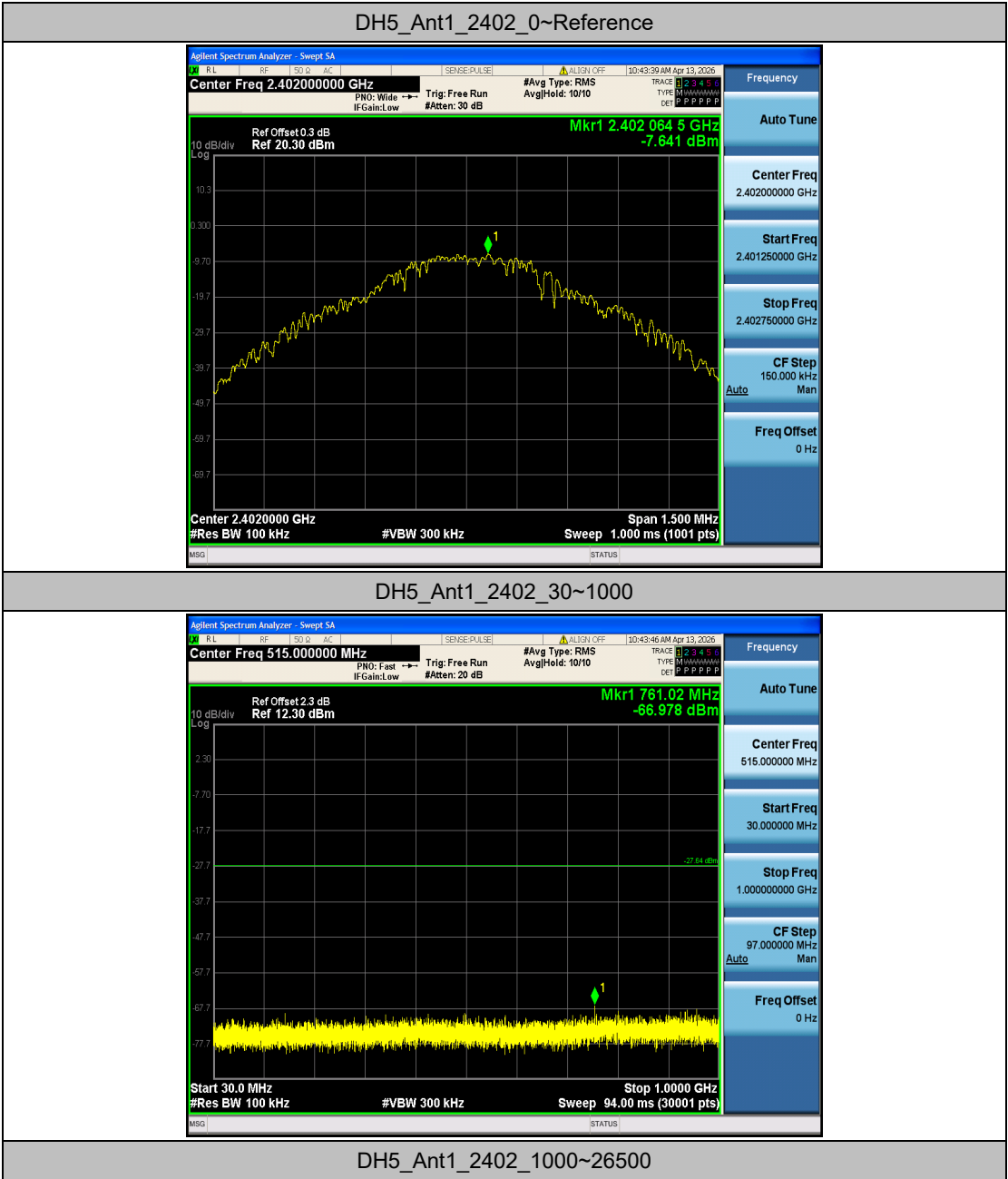


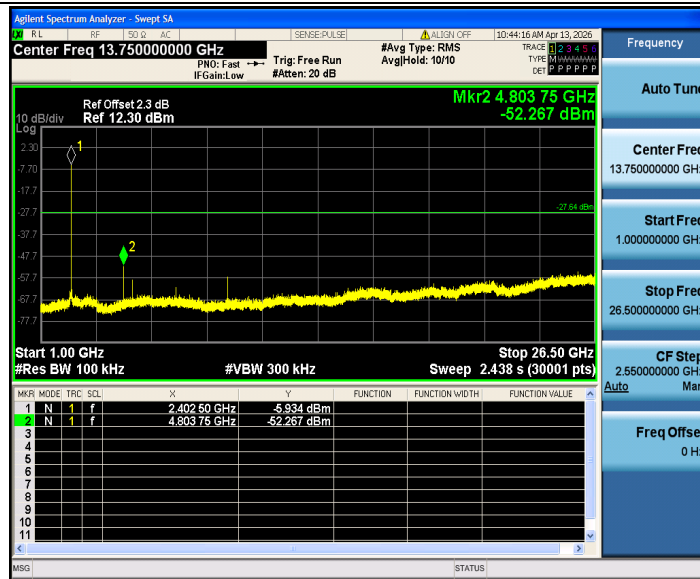
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-7.64	-7.64	---	PASS
			30~1000	-7.64	-66.98	≤-27.64	PASS
			1000~26500	-7.64	-52.27	≤-27.64	PASS
		2441	Reference	-8.22	-8.22	---	PASS
			30~1000	-8.22	-67.84	≤-28.22	PASS
			1000~26500	-8.22	-54.22	≤-28.22	PASS
		2480	Reference	-7.12	-7.12	---	PASS
			30~1000	-7.12	-68.42	≤-27.12	PASS
			1000~26500	-7.12	-54.28	≤-27.12	PASS
2DH5	Ant1	2402	Reference	-12.66	-12.66	---	PASS
			30~1000	-12.66	-67.95	≤-32.66	PASS
			1000~26500	-12.66	-54.71	≤-32.66	PASS
		2441	Reference	-11.11	-11.11	---	PASS
			30~1000	-11.11	-67.95	≤-31.11	PASS
			1000~26500	-11.11	-55.26	≤-31.11	PASS
		2480	Reference	-12.18	-12.18	---	PASS
			30~1000	-12.18	-57.78	≤-32.18	PASS
			1000~26500	-12.18	-55.42	≤-32.18	PASS

Test Graphs

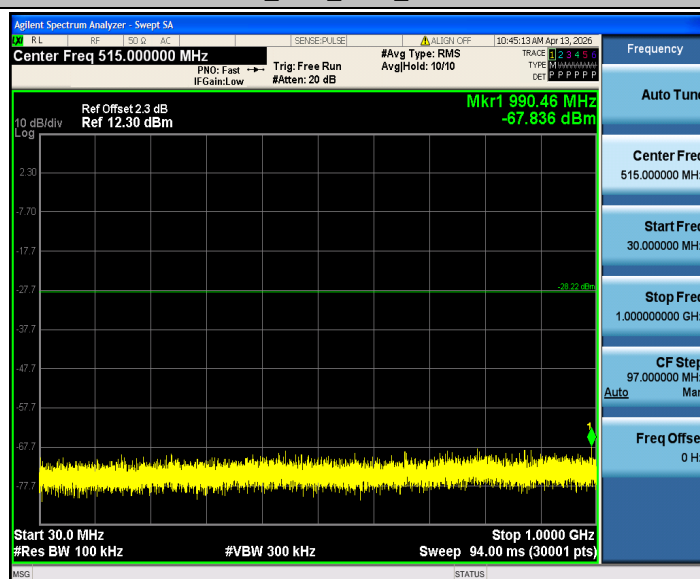




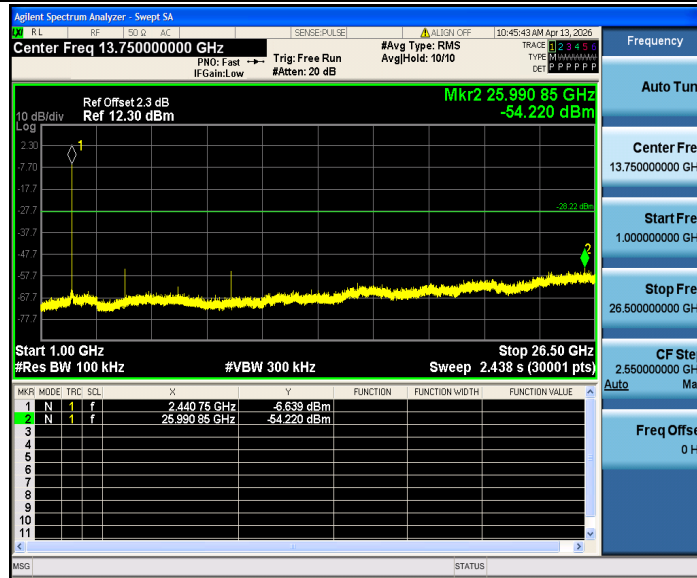
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



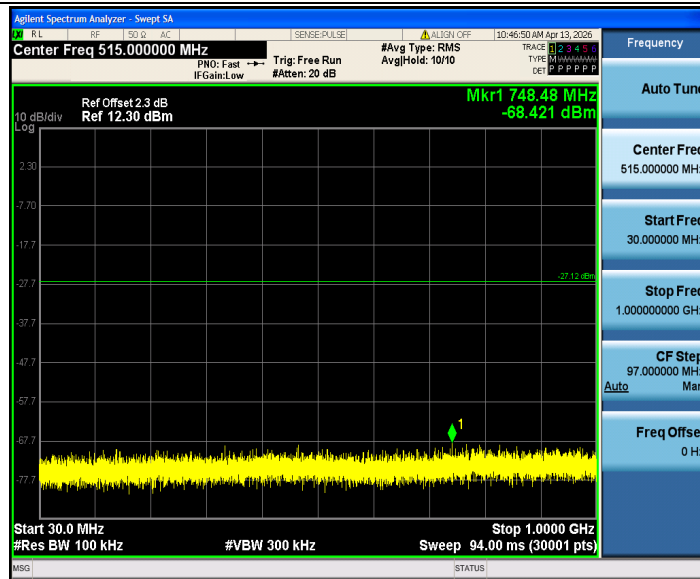
DH5_Ant1_2441_1000~26500



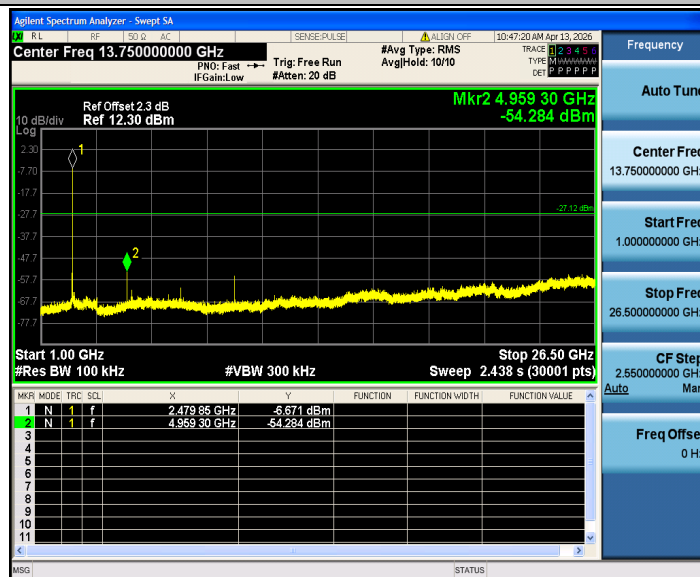
DH5_Ant1_2480_0~Reference



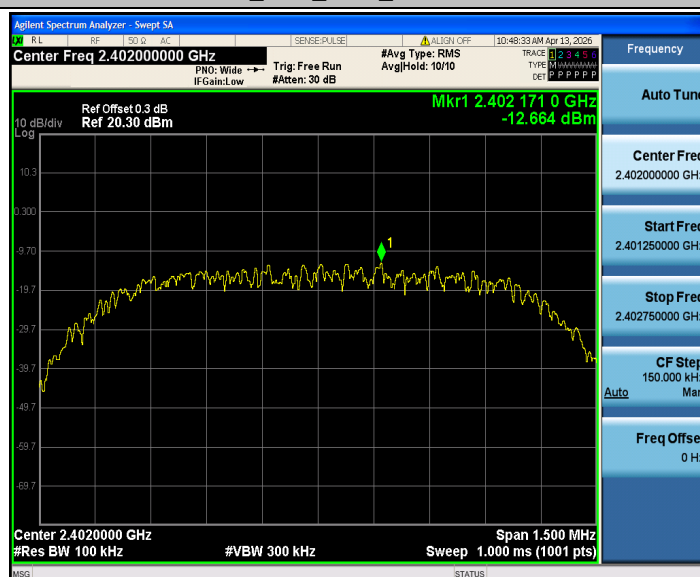
DH5_Ant1_2480_30~1000



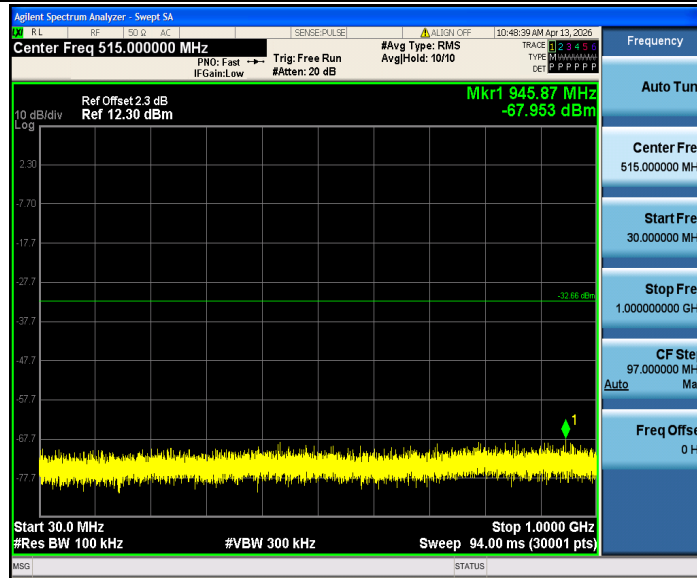
DH5_Ant1_2480_1000~26500



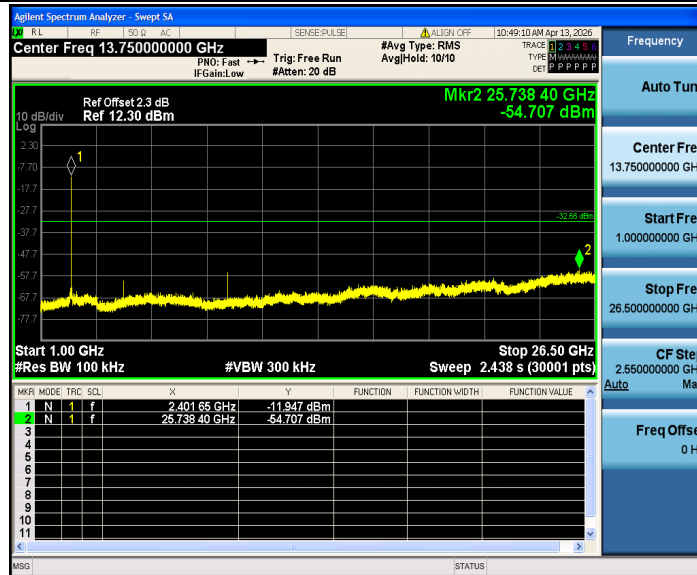
2DH5_Ant1_2402_0~Reference



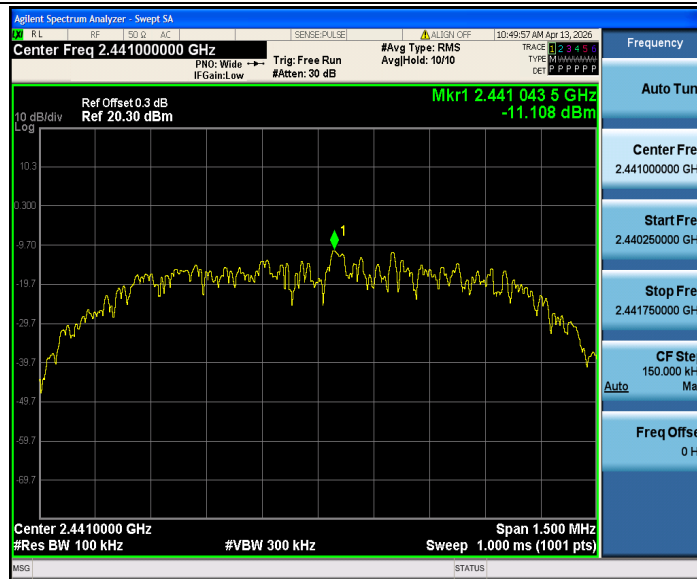
2DH5_Ant1_2402_30~1000



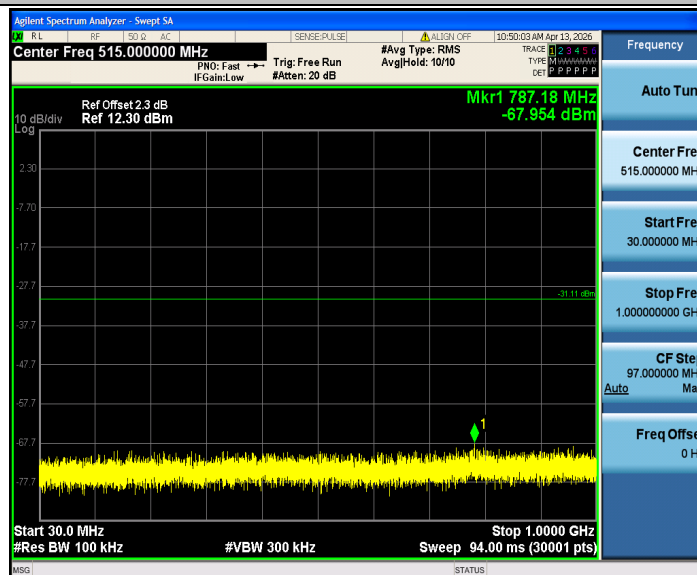
2DH5_Ant1_2402_1000~26500



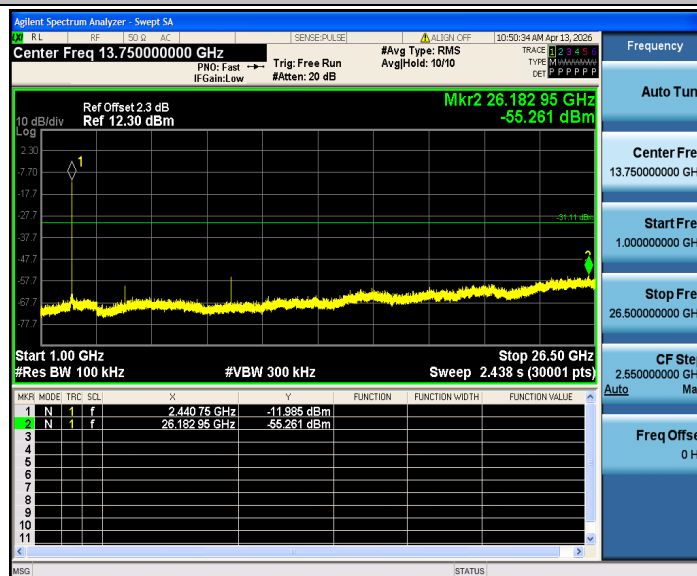
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



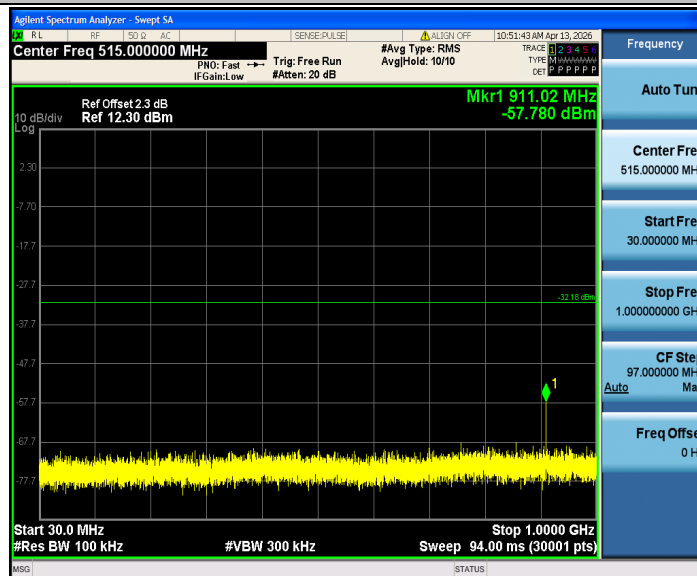
2DH5_Ant1_2441_1000~26500



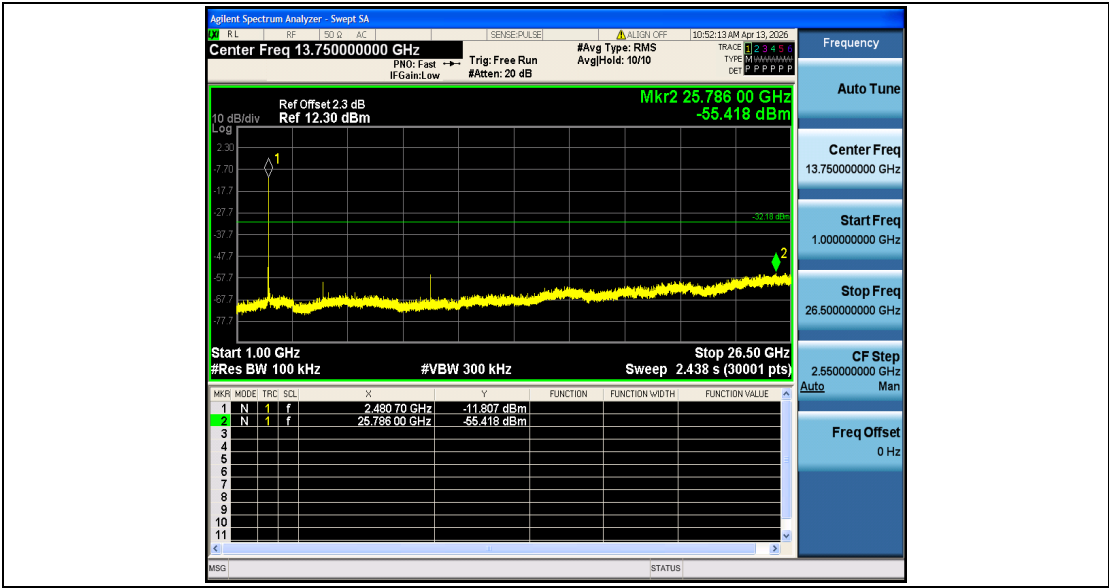
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

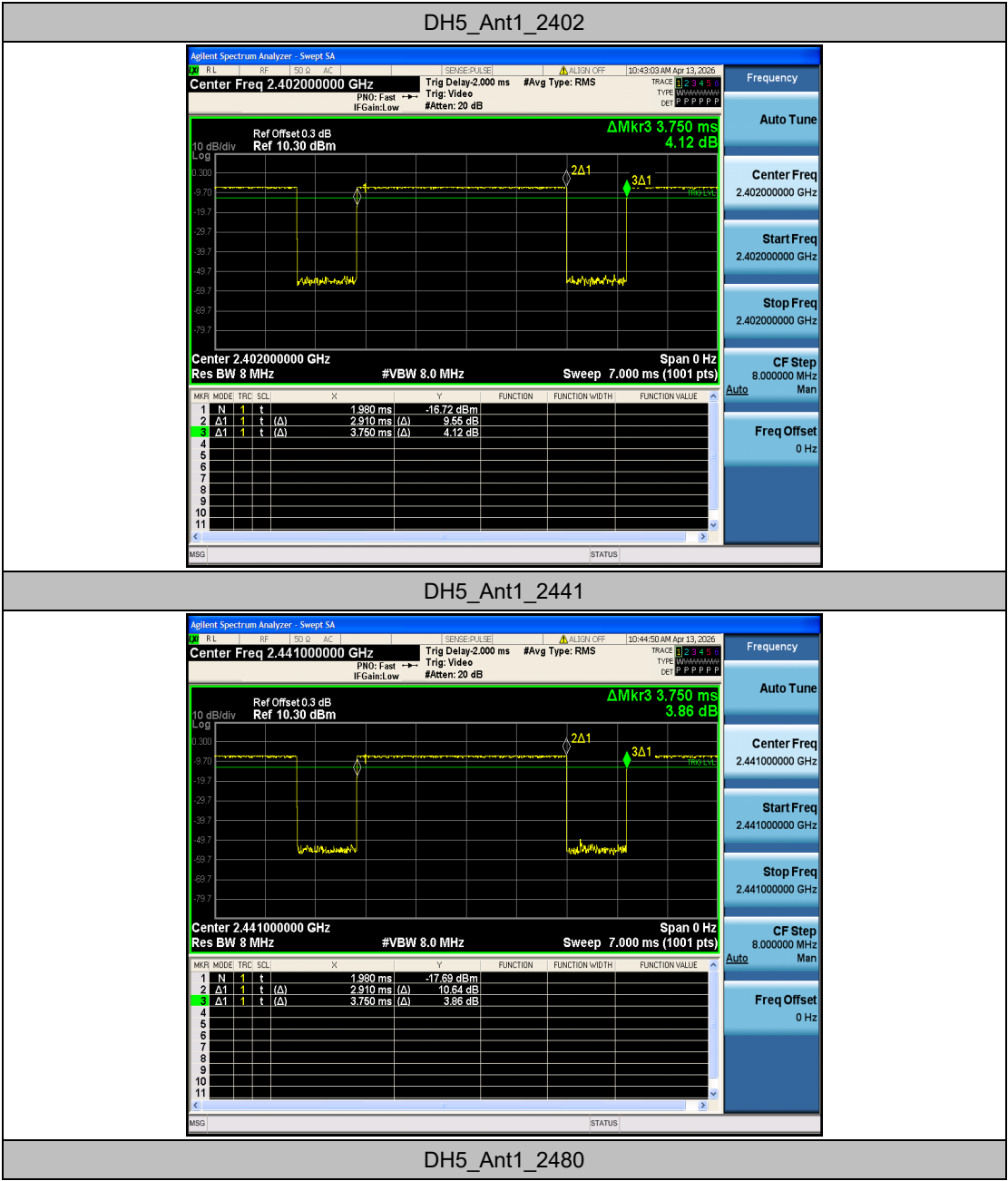


Appendix I: Duty Cycle

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	2.91	3.74	77.81	1.09	---	---

Test Graphs



DH5_Ant1_2441

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Ref Offset 0.3 dB
Ref 10.30 dBm

10 dB/div
Log

0.300

-9.70

-19.7

-29.7

-39.7

-49.7

-59.7

-69.7

-79.7

Center 2.441000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 7.000 ms (1001 pts)

Span 0 Hz

1

2

3

4

5

6

7

8

9

10

11

MSG

STATUS

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

#Atten: 20 dB

SENSE: PULSE

ALIGN: OFF

10:44:50 AM Apr 13, 2026

TRACE: P P P P P P

TYPE: W W W W W W W W

DET: P P P P P P P

ΔMkr3 3.750 ms
3.86 dB

2Δ1

3Δ1

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	1.980 ms	-17.69 dBm			
2	Δ1	1	t (Δ)	2.910 ms (Δ)	10.64 dB			
3	Δ1	1	t (Δ)	3.750 ms (Δ)	3.86 dB			

Frequency

Auto Tune

Center Freq
2.441000000 GHz

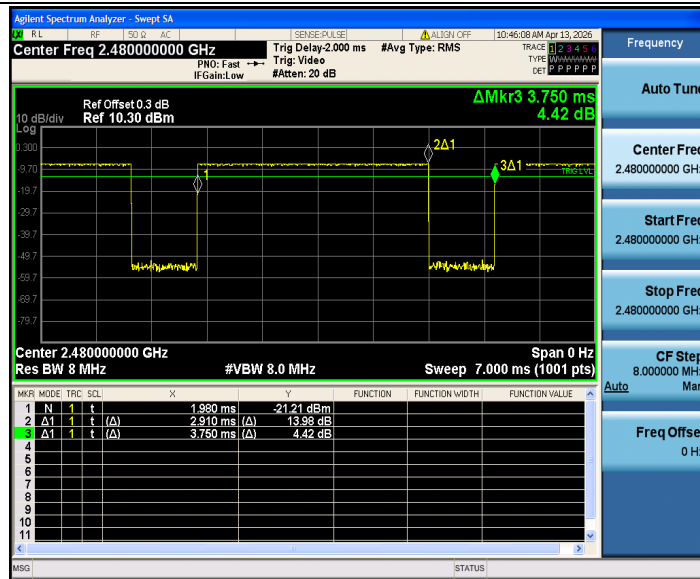
Start Freq
2.441000000 GHz

Stop Freq
2.441000000 GHz

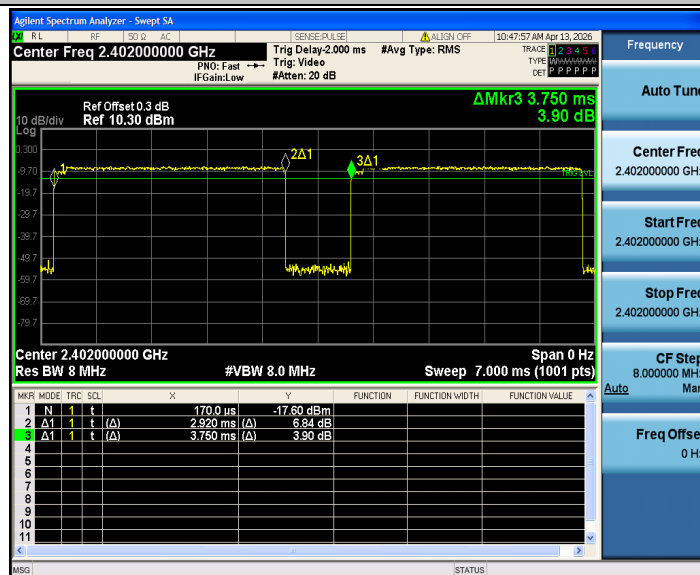
CF Step
8.000000 MHz
Auto
Man

Freq Offset
0 Hz

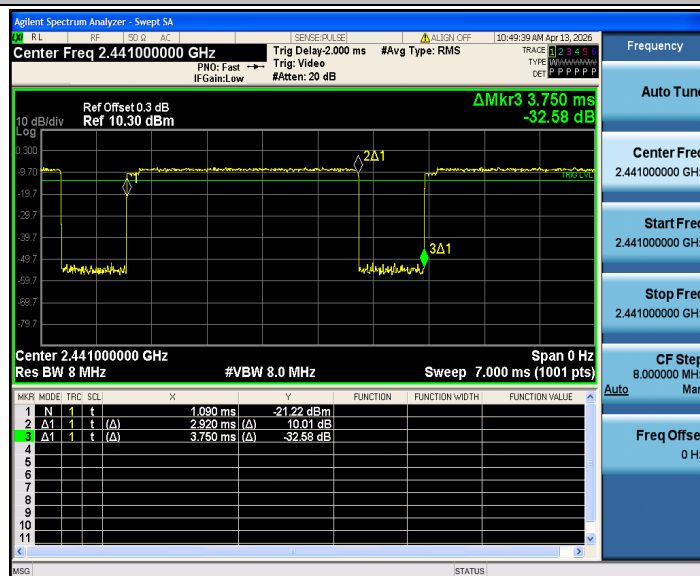
DH5_Ant1_2480



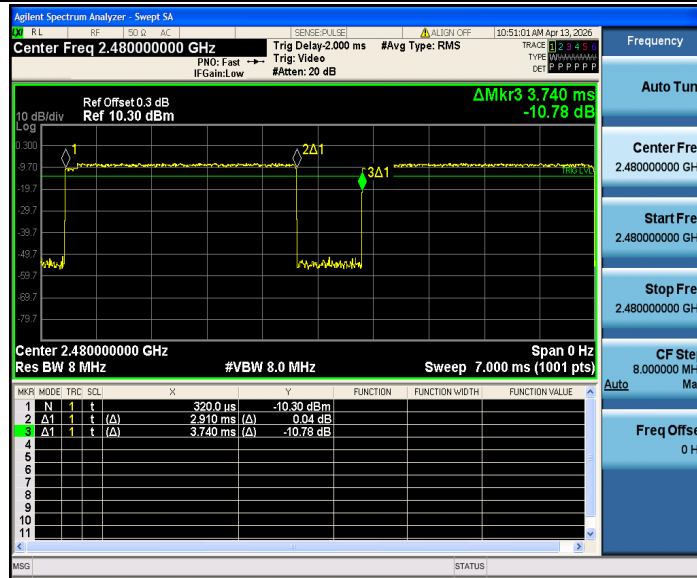
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



Appendix J: Emissions in Restricted Bands

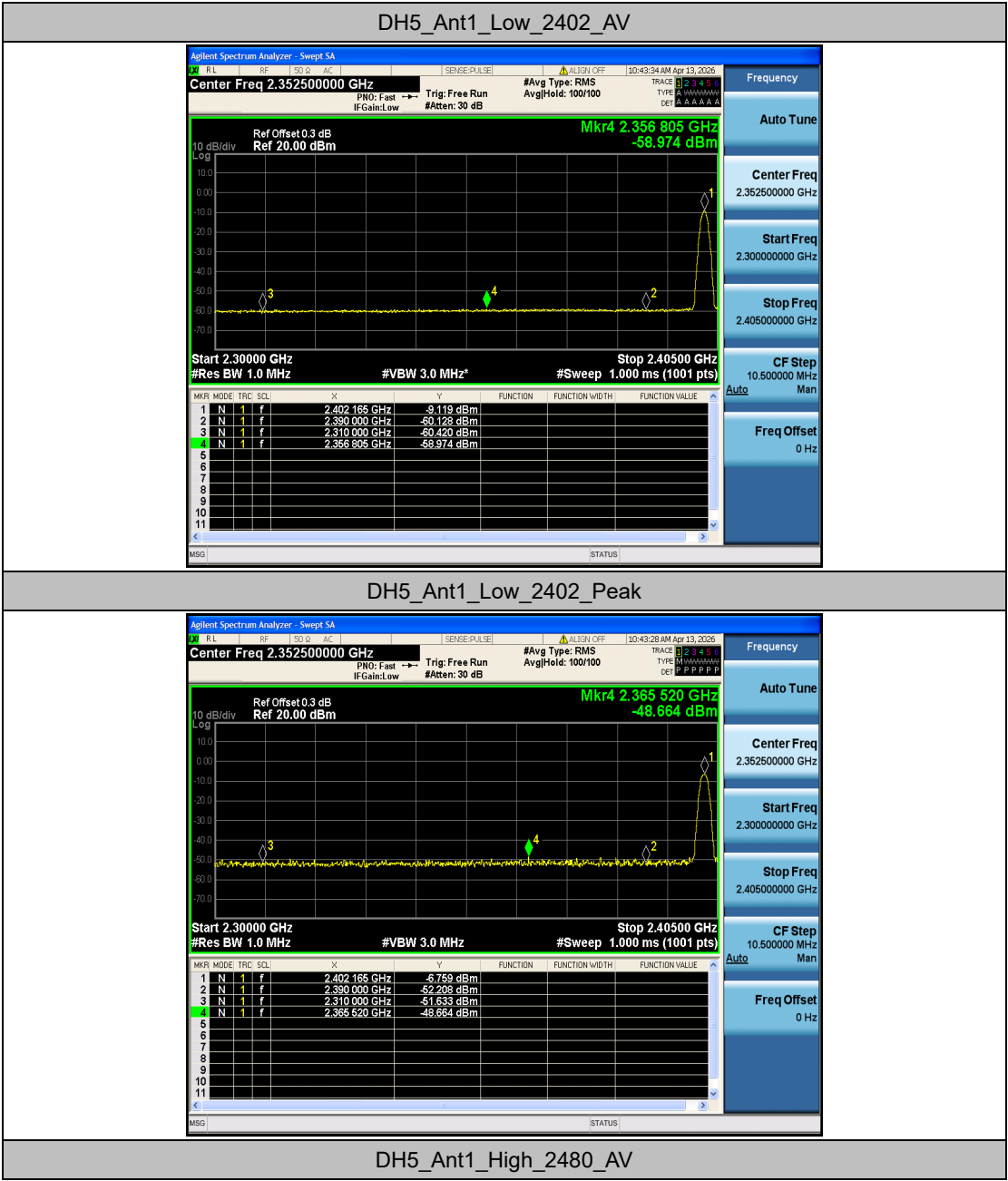
Test Result

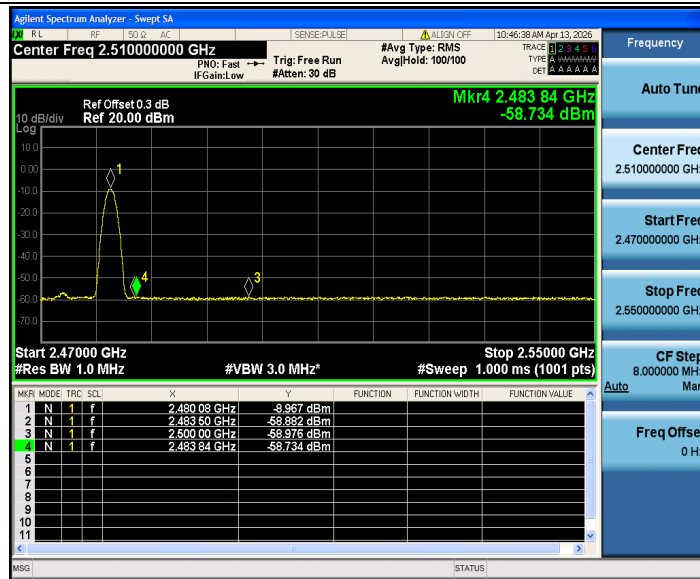
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-60.42	2.00	1.10	37.88	≤54	PASS
				AV	2356.805	-58.97	2.00	1.10	39.33	≤54	PASS
				AV	2390.000	-60.13	2.00	1.10	38.17	≤54	PASS
				Peak	2310.000	-51.63	2.00	0.00	45.57	≤74	PASS
				Peak	2365.520	-48.66	2.00	0.00	48.54	≤74	PASS
				Peak	2390.000	-52.21	2.00	0.00	44.99	≤74	PASS
		High	2480	AV	2483.500	-58.88	2.00	1.10	39.42	≤54	PASS
				AV	2483.840	-58.73	2.00	1.10	39.57	≤54	PASS
				AV	2500.000	-58.98	2.00	1.10	39.32	≤54	PASS
				Peak	2483.500	-52.43	2.00	0.00	44.77	≤74	PASS
				Peak	2494.320	-48.39	2.00	0.00	48.81	≤74	PASS
				Peak	2500.000	-52.1	2.00	0.00	45.10	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-60.19	2.00	1.09	38.10	≤54	PASS
				AV	2372.555	-58.94	2.00	1.09	39.35	≤54	PASS
				AV	2390.000	-59.99	2.00	1.09	38.30	≤54	PASS
				Peak	2310.000	-51.48	2.00	0.00	45.72	≤74	PASS
				Peak	2330.345	-48.16	2.00	0.00	49.04	≤74	PASS
				Peak	2390.000	-51.76	2.00	0.00	45.44	≤74	PASS
		High	2480	AV	2483.500	-58.71	2.00	1.09	39.58	≤54	PASS
				AV	2484.640	-58.55	2.00	1.09	39.74	≤54	PASS
				AV	2500.000	-59.7	2.00	1.09	38.59	≤54	PASS
				Peak	2483.500	-50.23	2.00	0.00	46.97	≤74	PASS
				Peak	2497.440	-48.43	2.00	0.00	48.77	≤74	PASS
				Peak	2500.000	-51.2	2.00	0.00	46.00	≤74	PASS

Note:

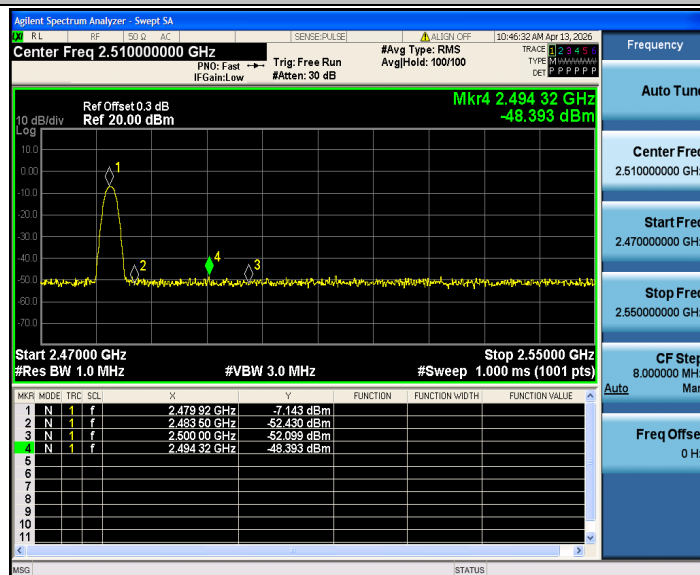
The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

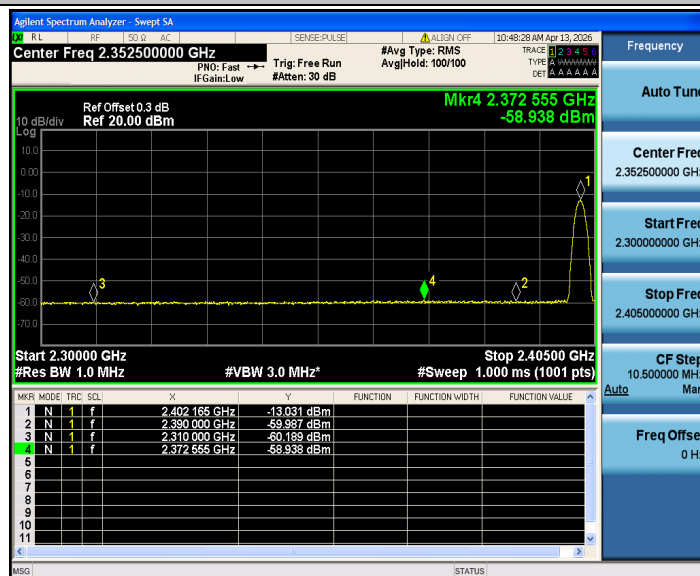




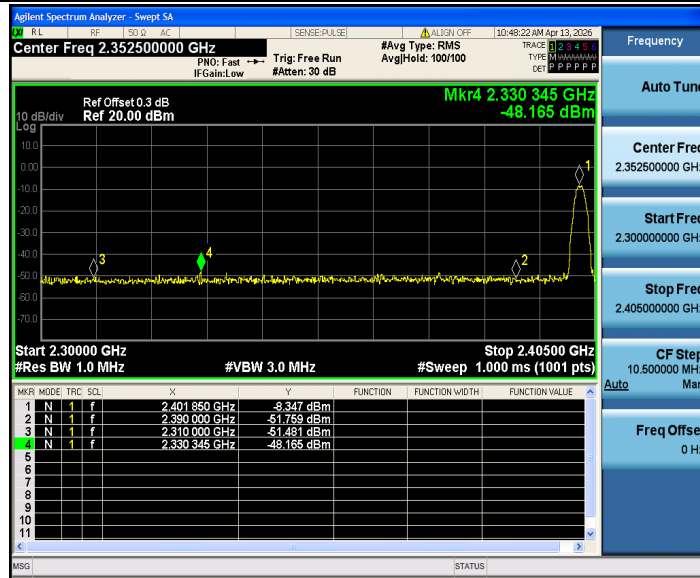
DH5_Ant1_High_2480_Peak



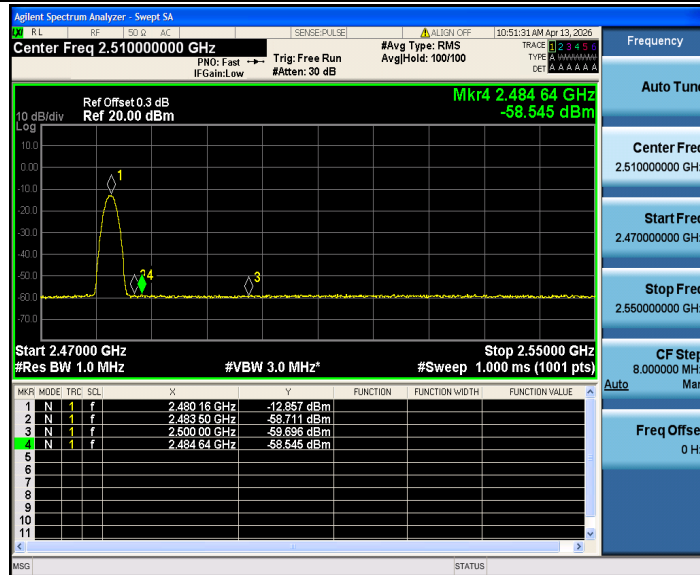
2DH5_Ant1_Low_2402_AV



2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV



2DH5_Ant1_High_2480_Peak

