

FCC Appendix RF Test Data for BT

FCC ID : 2BG2G-ADS

Company : Shanghai Forsung industry Co.,Ltd

EUT : Audio display stand

Model Number : ADS-BY-G-04(AM 200&Zero)

Report No. : CTA25110501101

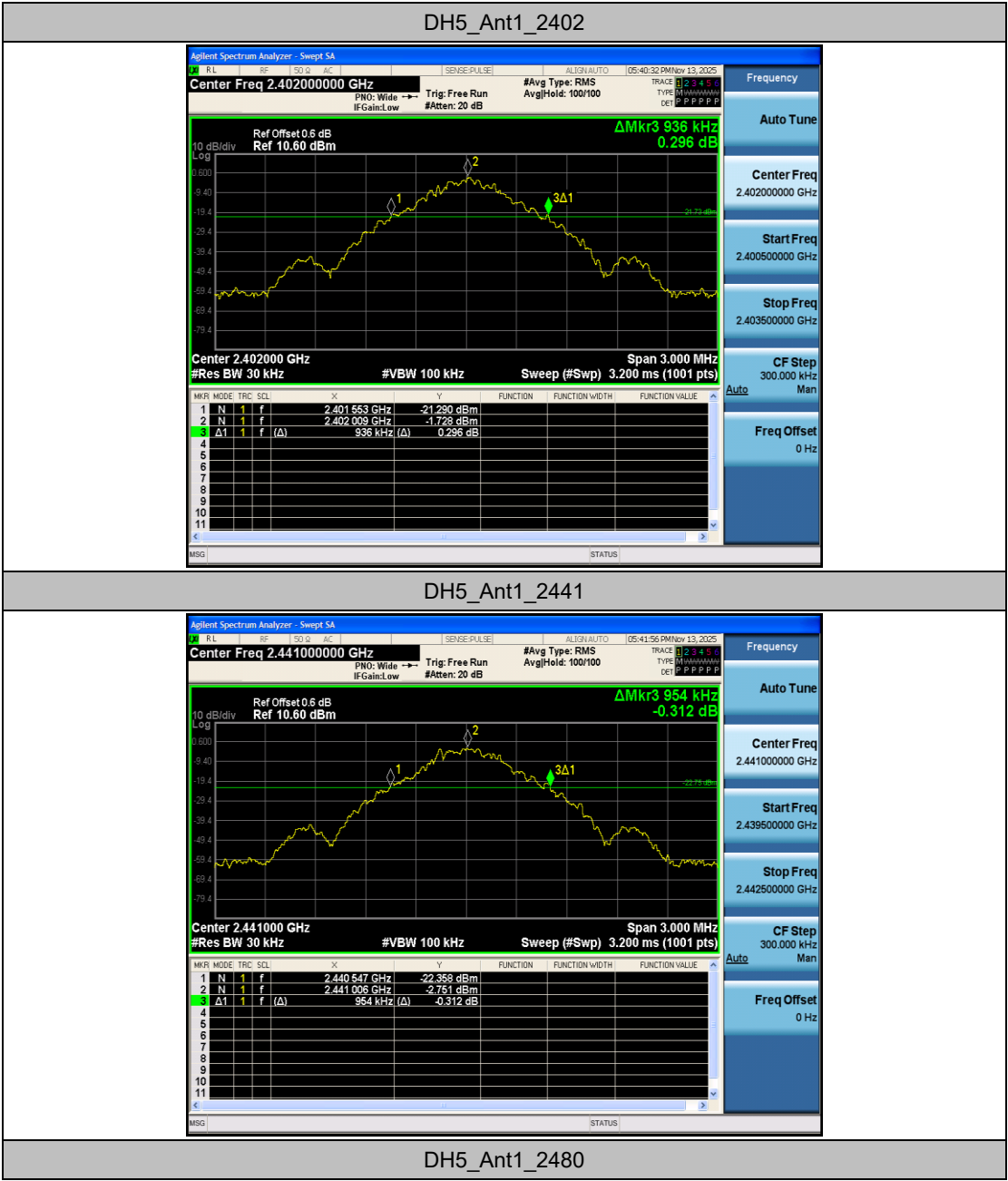
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.936	2401.553	2402.489	---	---
		2441	0.954	2440.547	2441.501	---	---
		2480	0.945	2479.550	2480.495	---	---
2DH5	Ant1	2402	1.317	2401.349	2402.666	---	---
		2441	1.314	2440.352	2441.666	---	---
		2480	1.332	2479.343	2480.675	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



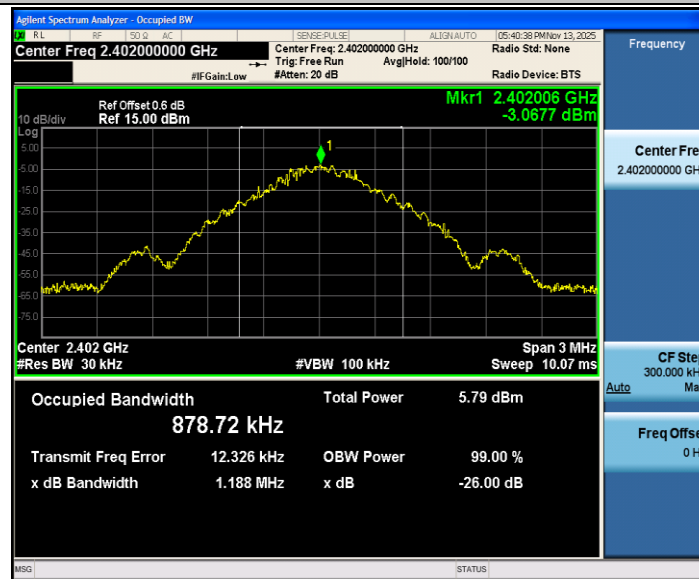
Appendix B: Occupied Channel Bandwidth

Test Result

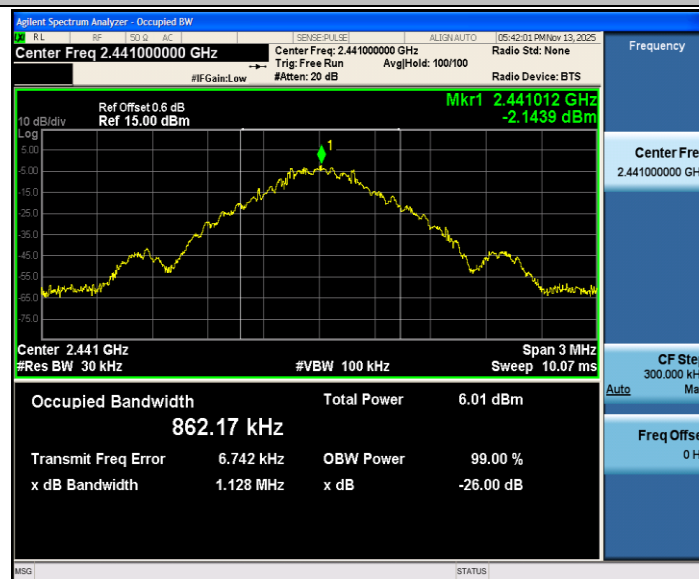
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87872	2401.5730	2402.4517	---	---
		2441	0.86217	2440.5757	2441.4378	---	---
		2480	0.87384	2479.5717	2480.4456	---	---
2DH5	Ant1	2402	1.1918	2401.4158	2402.6076	---	---
		2441	1.1843	2440.4185	2441.6028	---	---
		2480	1.1936	2479.4138	2480.6074	---	---

Test Graphs

DH5_Ant1_2402



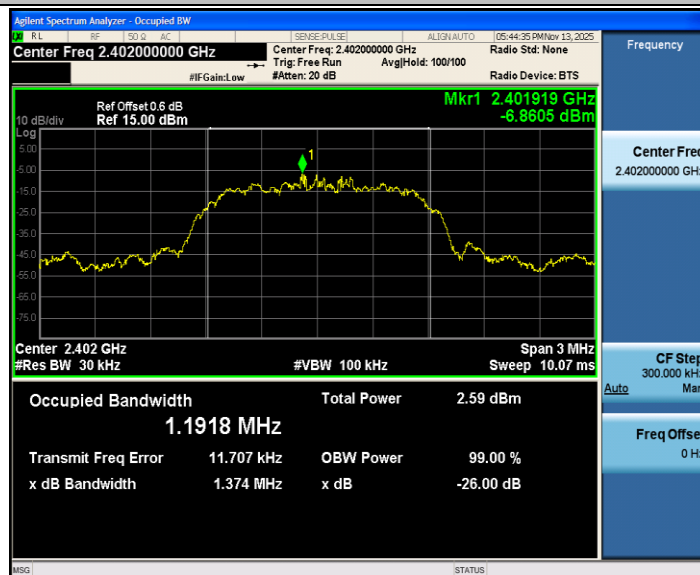
DH5_Ant1_2441



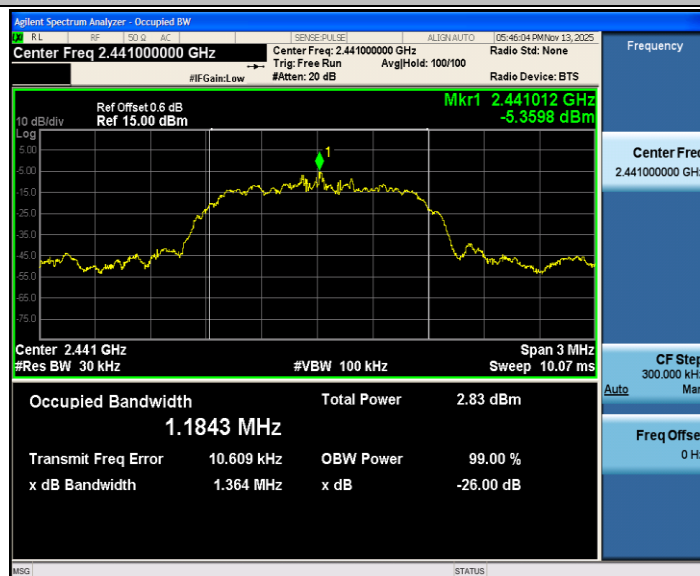
DH5_Ant1_2480



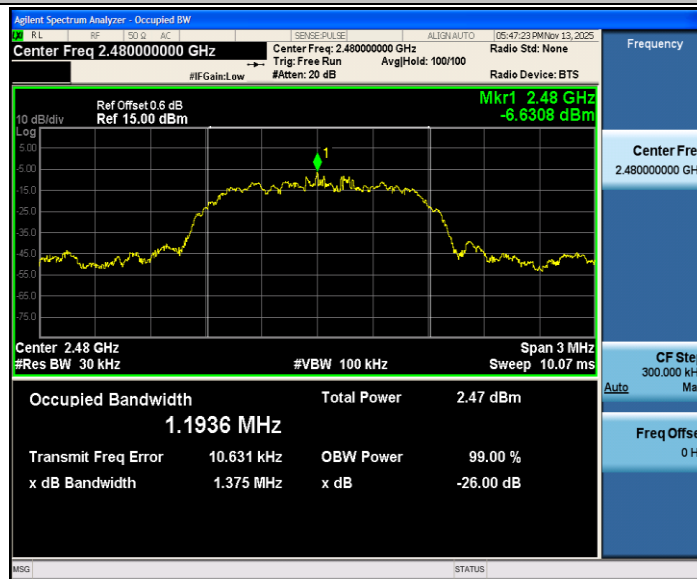
2DH5_Ant1_2402



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	0.05	≤20.97	PASS
		2441	0.00	≤20.97	PASS
		2480	0.03	≤20.97	PASS
2DH5	Ant1	2402	-0.79	≤20.97	PASS
		2441	-0.81	≤20.97	PASS
		2480	-0.74	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.024	≥ 0.954	PASS
2DH5	Ant1	Hop	1.088	≥ 0.888	PASS

Test Graphs

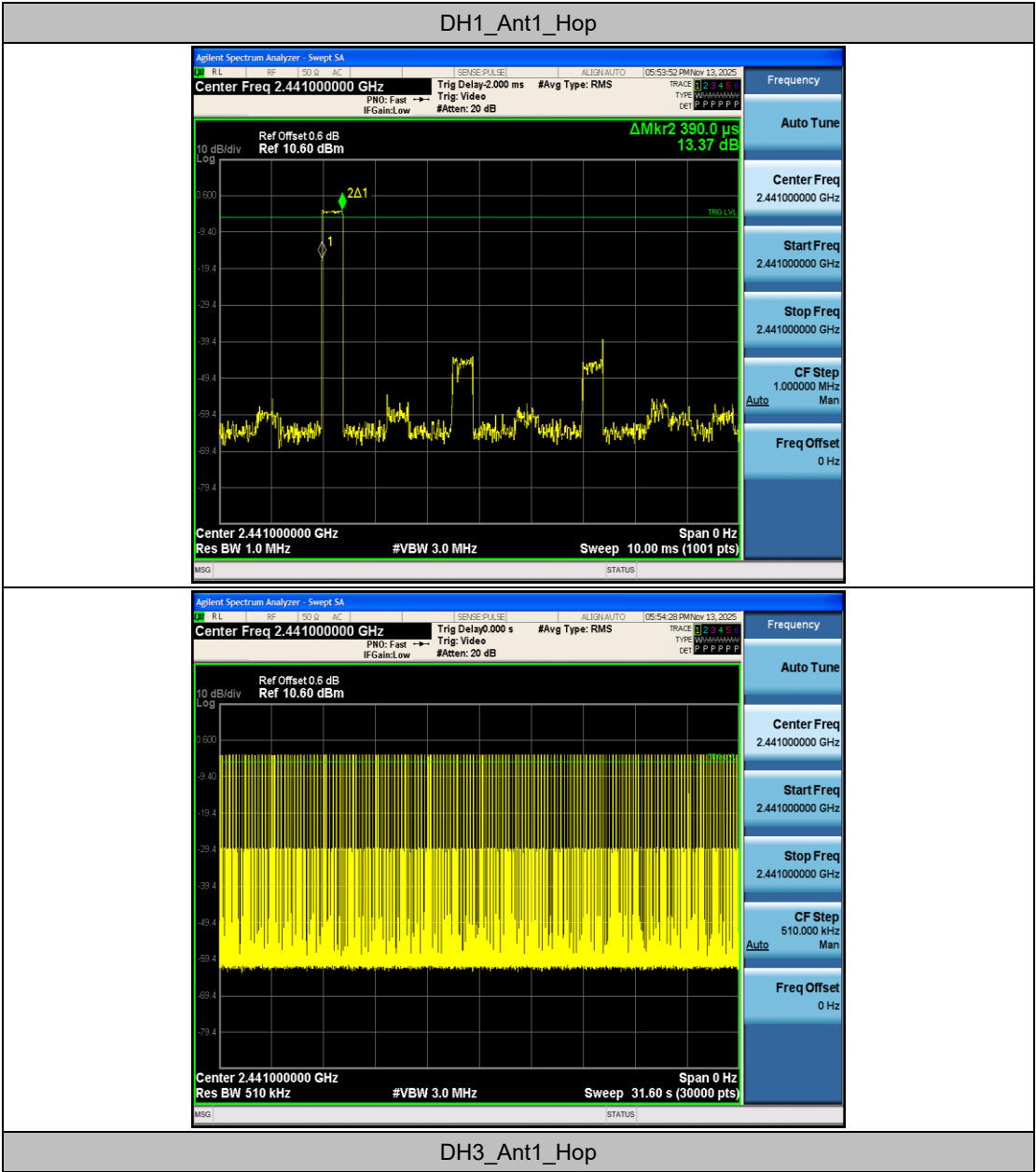


Appendix E: Time of occupancy

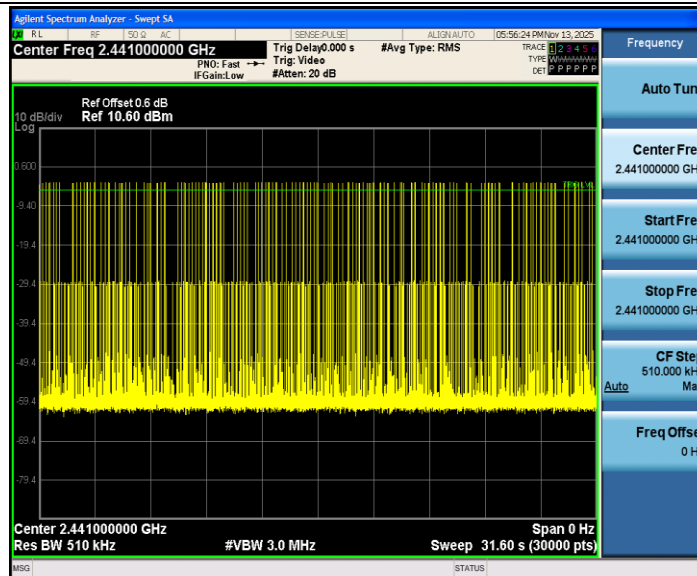
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	315	0.123	≤0.4	PASS
DH3	Ant1	Hop	1.650	163	0.269	≤0.4	PASS
DH5	Ant1	Hop	2.900	94	0.273	≤0.4	PASS
2DH1	Ant1	Hop	0.390	313	0.122	≤0.4	PASS
2DH3	Ant1	Hop	1.650	167	0.276	≤0.4	PASS
2DH5	Ant1	Hop	2.890	103	0.298	≤0.4	PASS

Test Graphs

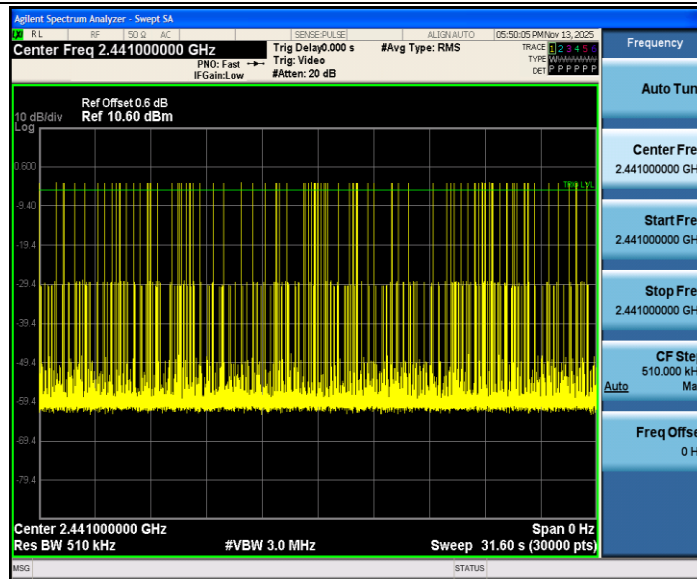


DH3_Ant1_Hop

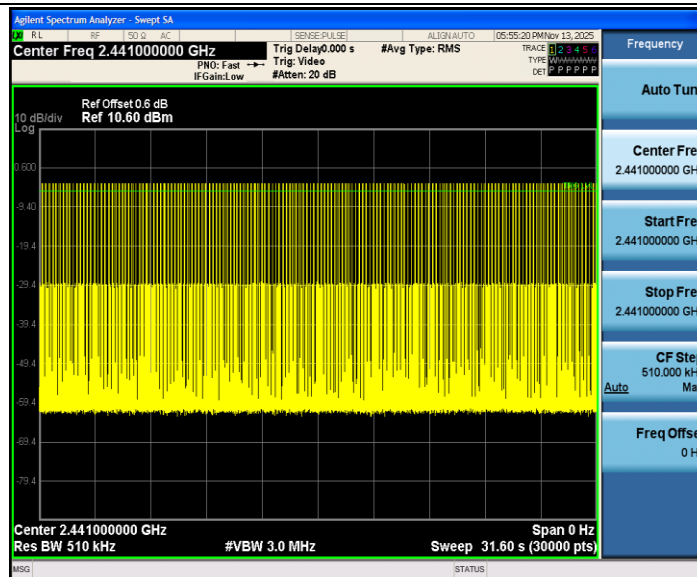
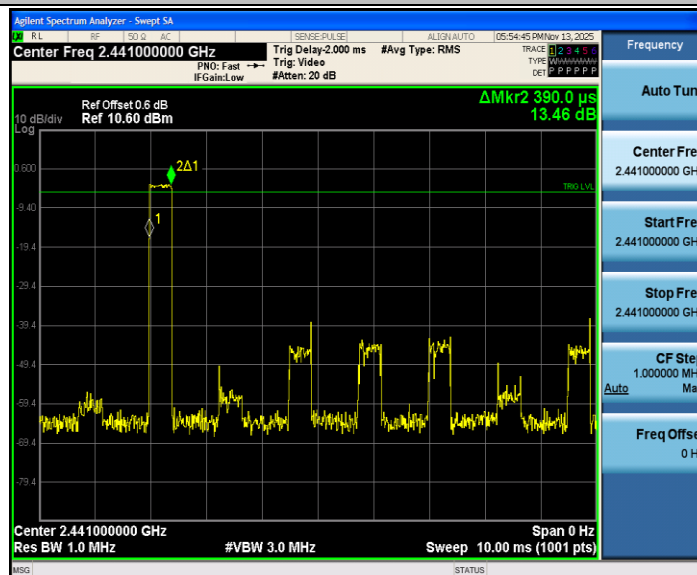


DH5_Ant1_Hop

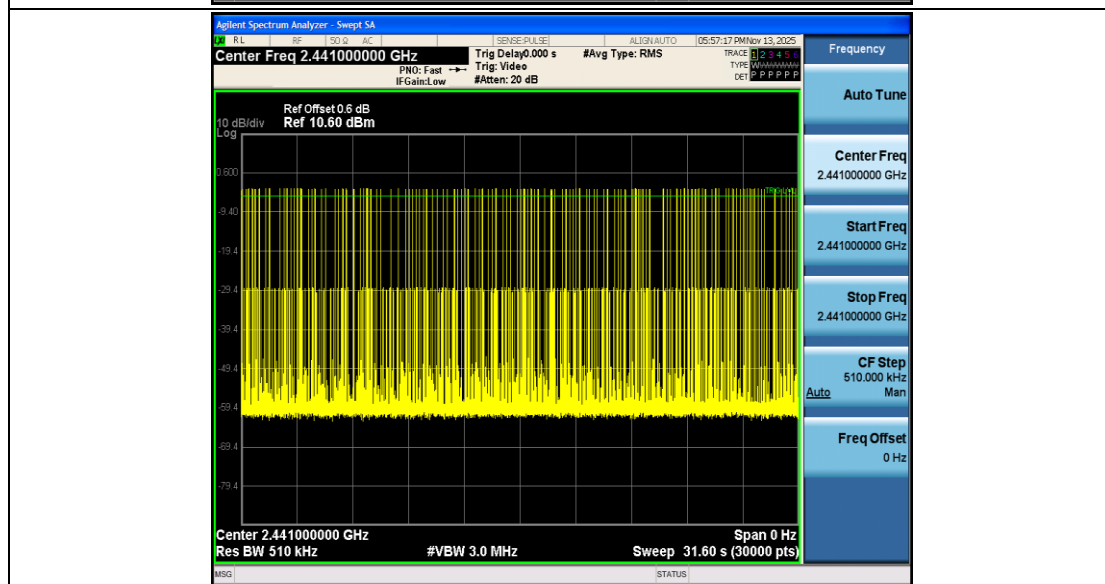




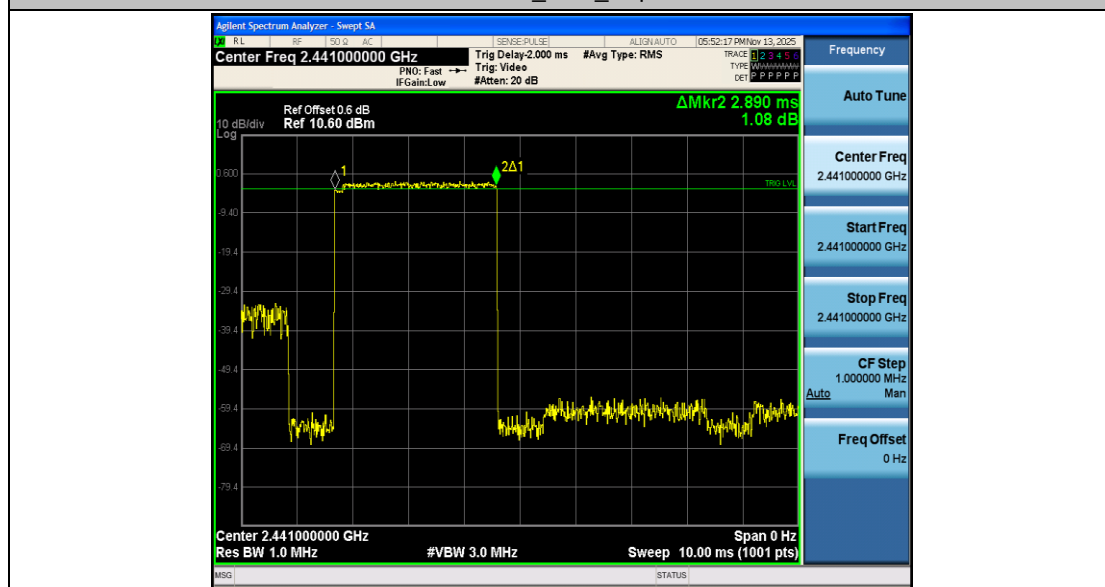
2DH1_Ant1_Hop

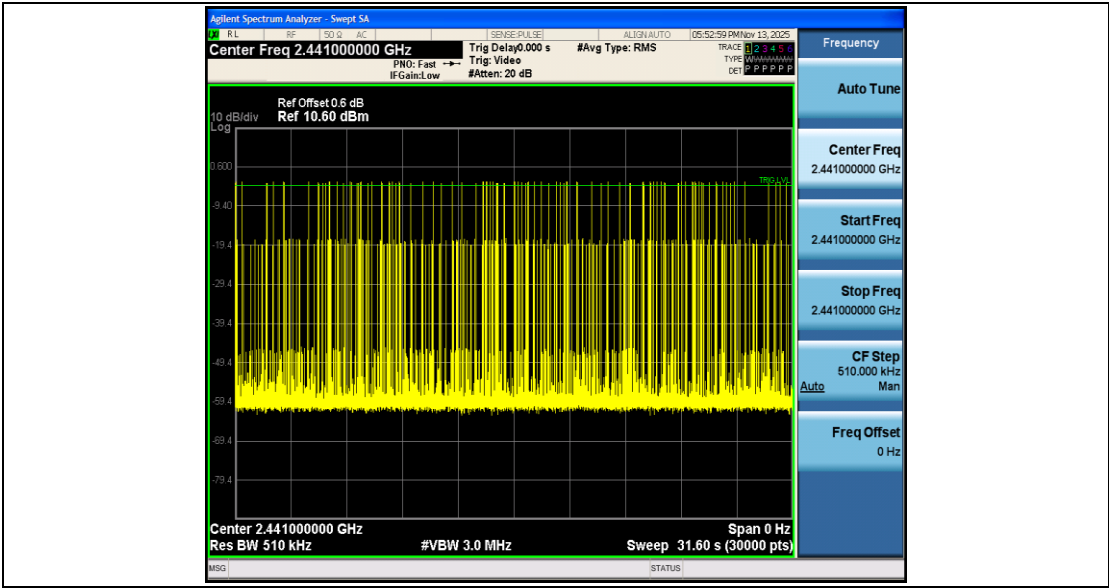


2DH3_Ant1_Hop



2DH5_Ant1_Hop



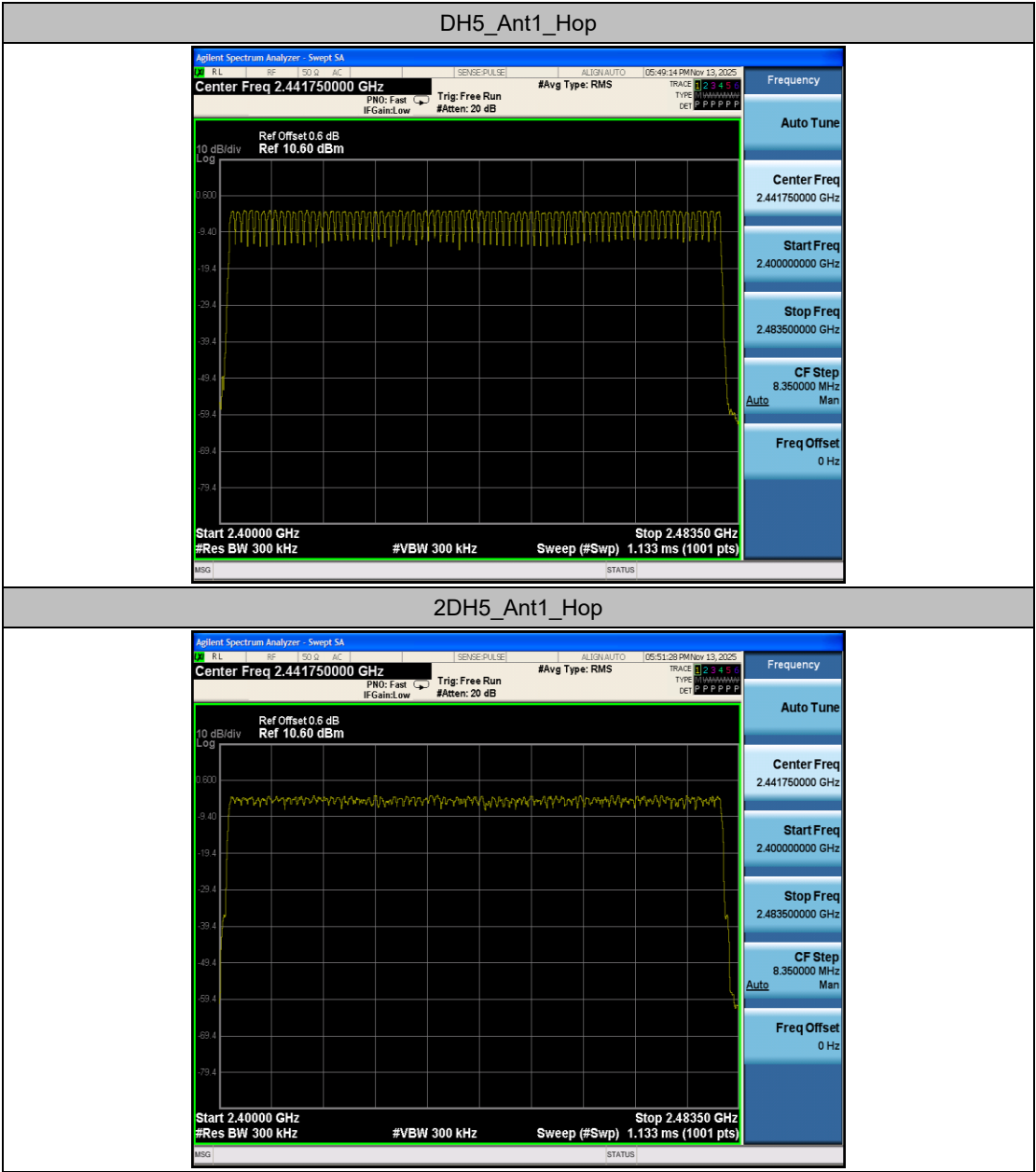


Appendix F: Number of hopping channels

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

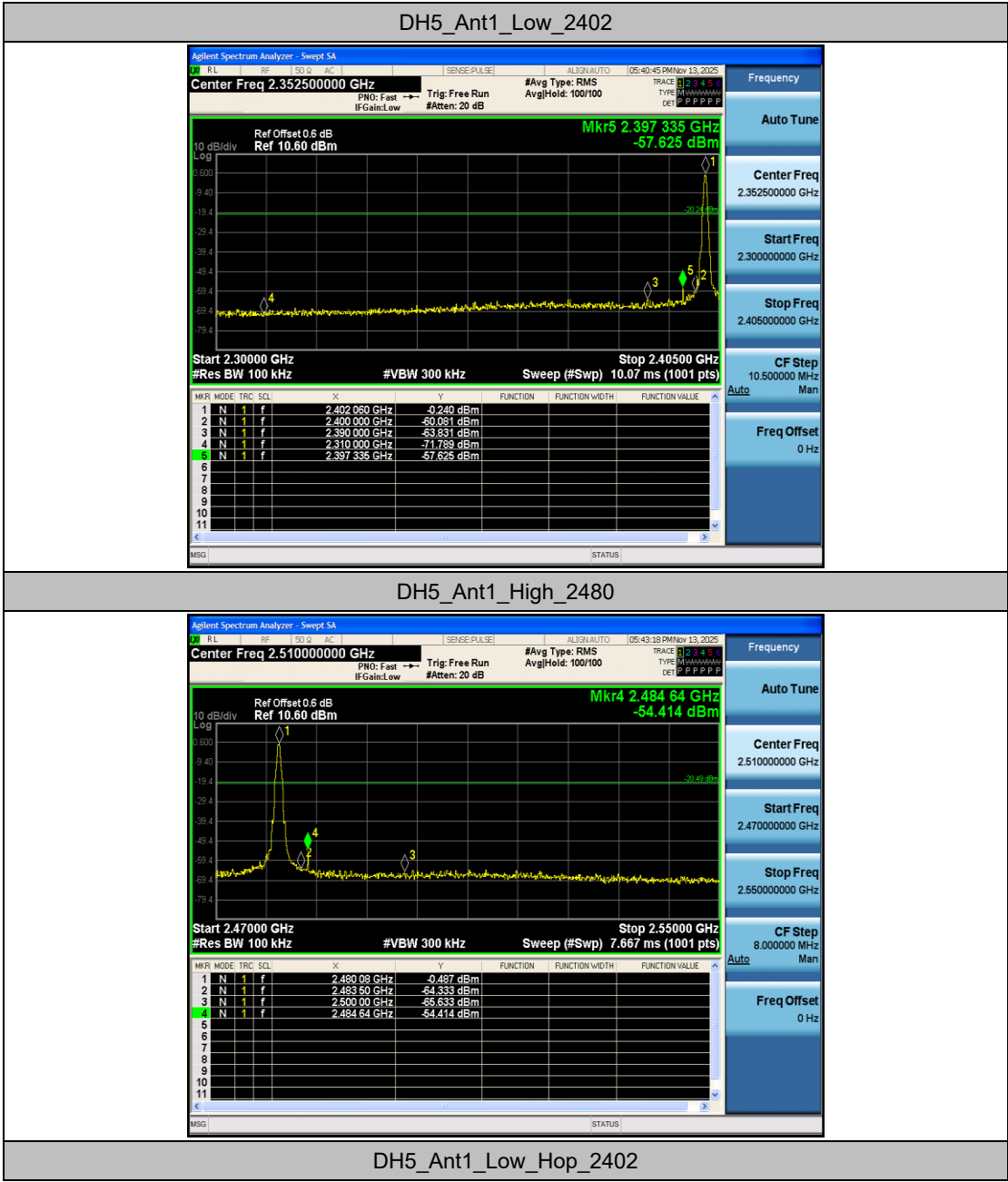


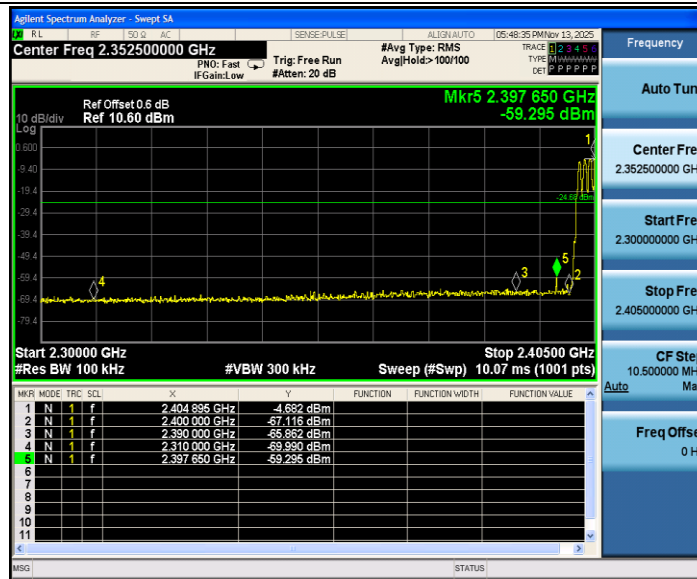
Appendix G: Band edge measurements

Test Result

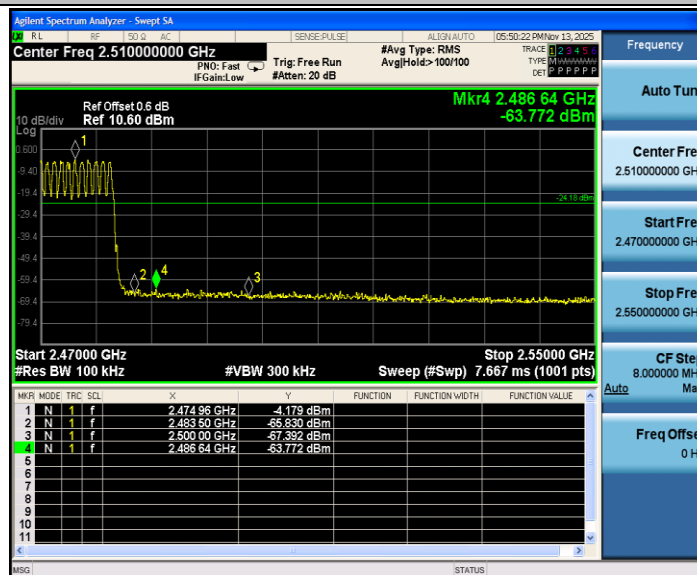
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.24	-57.63	≤-20.24	PASS
		High	2480	-0.49	-54.41	≤-20.49	PASS
		Low	Hop_2402	-4.68	-59.3	≤-24.68	PASS
		High	Hop_2480	-4.18	-63.77	≤-24.18	PASS
2DH5	Ant1	Low	2402	-3.62	-61.4	≤-23.62	PASS
		High	2480	-5.09	-55.65	≤-25.09	PASS
		Low	Hop_2402	-3.78	-56.47	≤-23.78	PASS
		High	Hop_2480	-3.56	-57.65	≤-23.56	PASS

Test Graphs

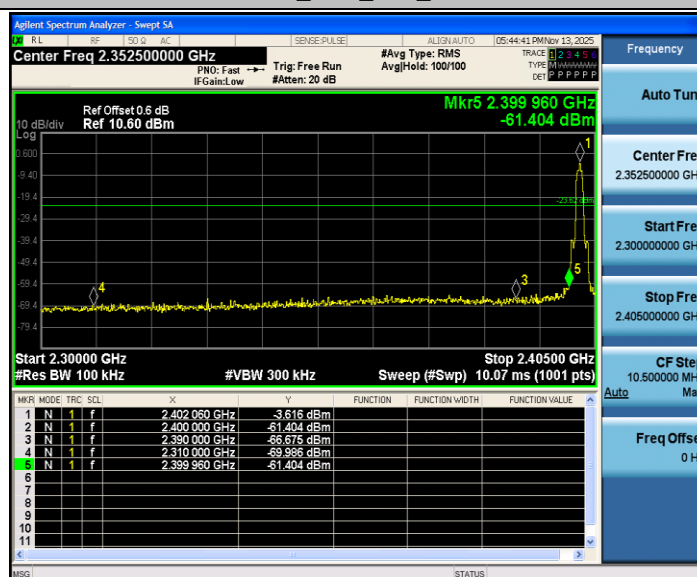




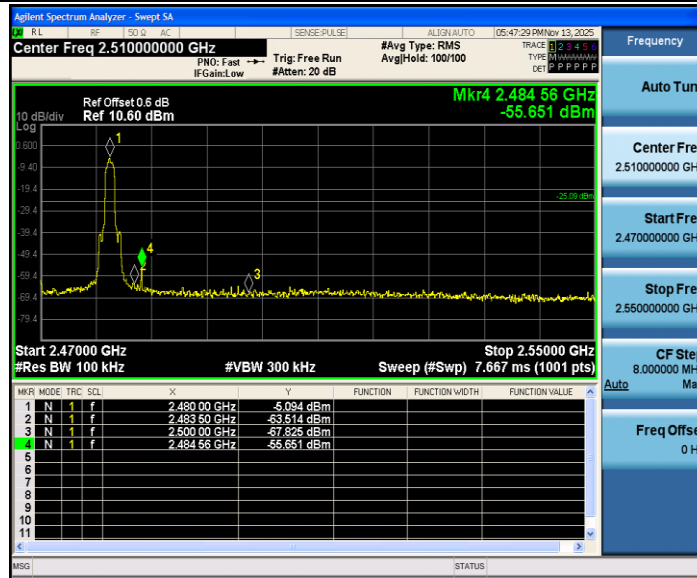
DH5_Ant1_High_Hop_2480



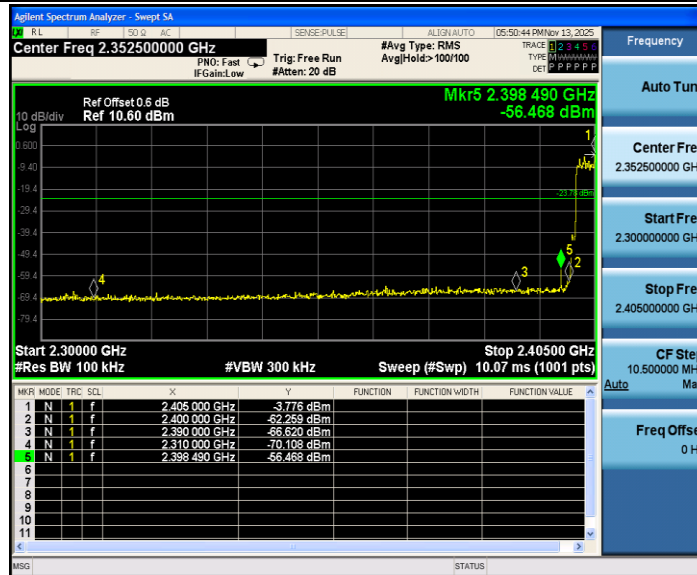
2DH5_Ant1_Low_2402



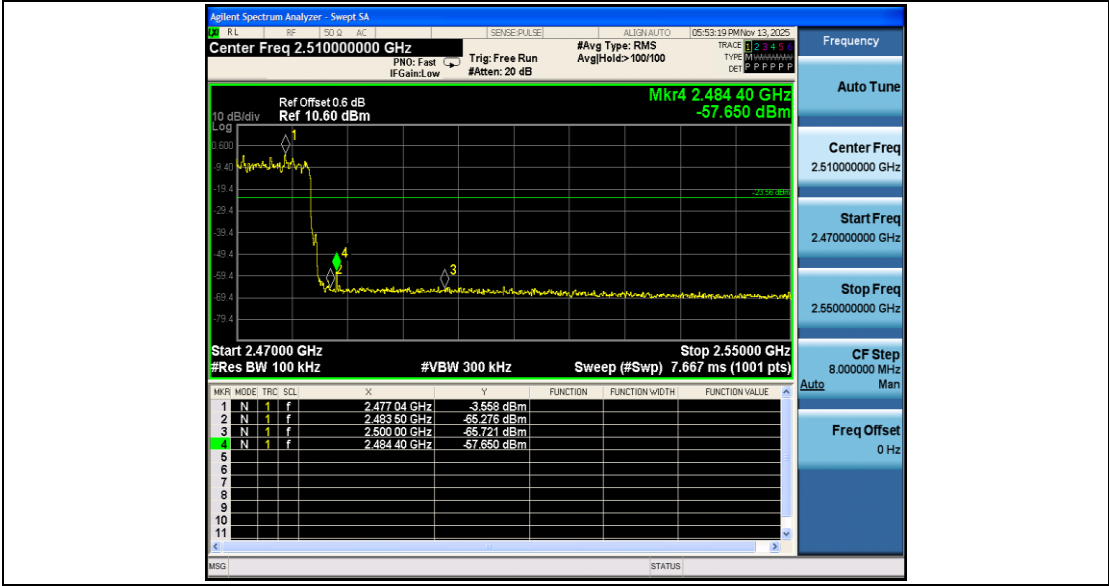
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480

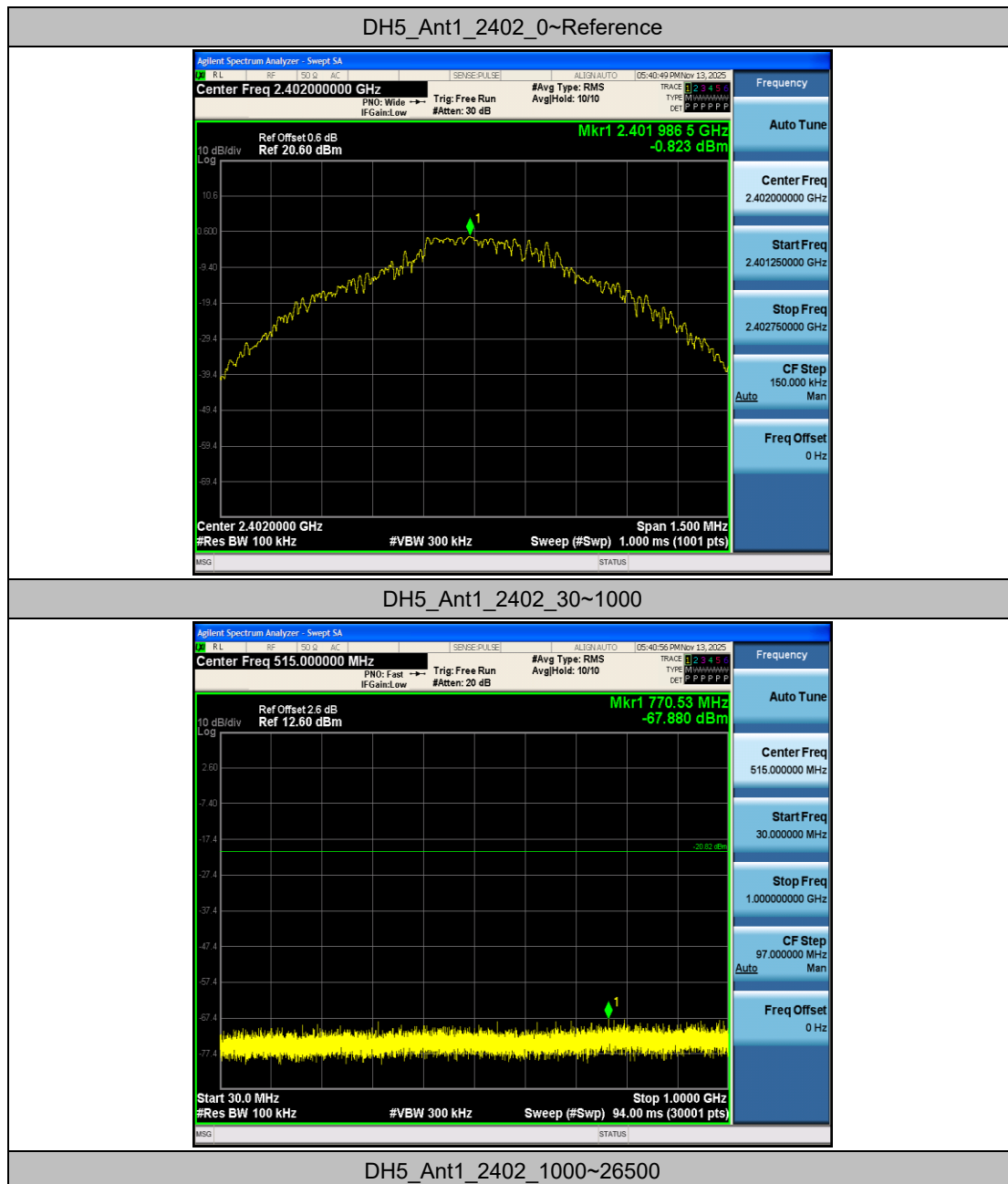


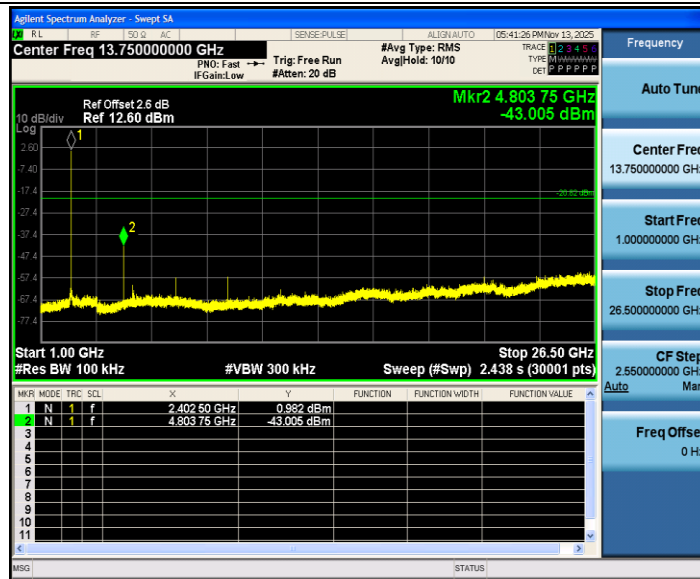
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.82	-0.82	---	PASS
			30~1000	-0.82	-67.88	≤-20.82	PASS
			1000~26500	-0.82	-43.01	≤-20.82	PASS
		2441	Reference	-1.01	-1.01	---	PASS
			30~1000	-1.01	-64.75	≤-21.01	PASS
			1000~26500	-1.01	-41.23	≤-21.01	PASS
		2480	Reference	-0.91	-0.91	---	PASS
			30~1000	-0.91	-59.56	≤-20.91	PASS
			1000~26500	-0.91	-43.23	≤-20.91	PASS
2DH5	Ant1	2402	Reference	-5.21	-5.21	---	PASS
			30~1000	-5.21	-56.03	≤-25.21	PASS
			1000~26500	-5.21	-33.13	≤-25.21	PASS
		2441	Reference	-4.67	-4.67	---	PASS
			30~1000	-4.67	-32.91	≤-24.67	PASS
			1000~26500	-4.67	-46.7	≤-24.67	PASS
		2480	Reference	-4.64	-4.64	---	PASS
			30~1000	-4.64	-60.87	≤-24.64	PASS
			1000~26500	-4.64	-48.85	≤-24.64	PASS

Test Graphs

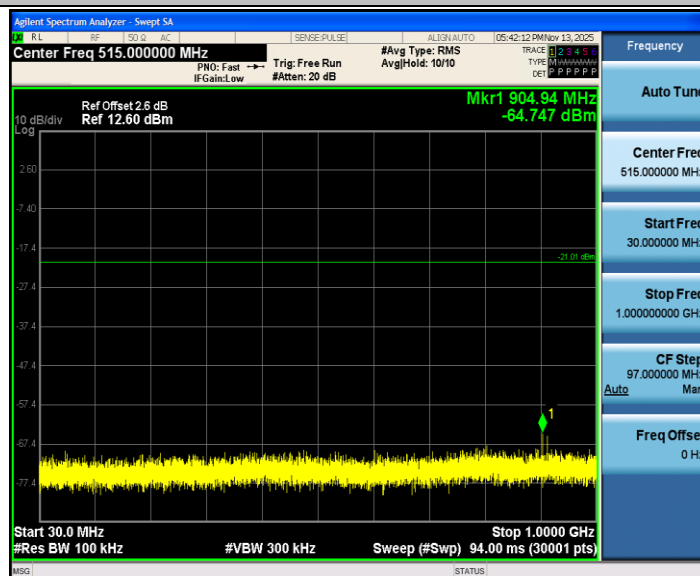




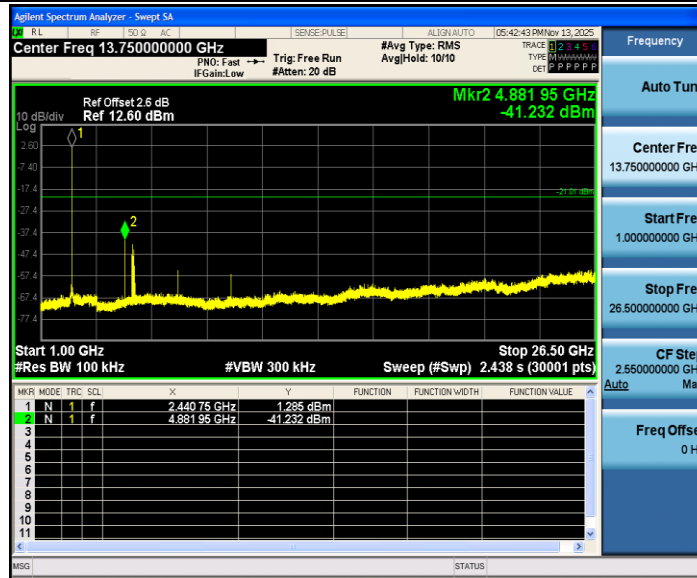
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



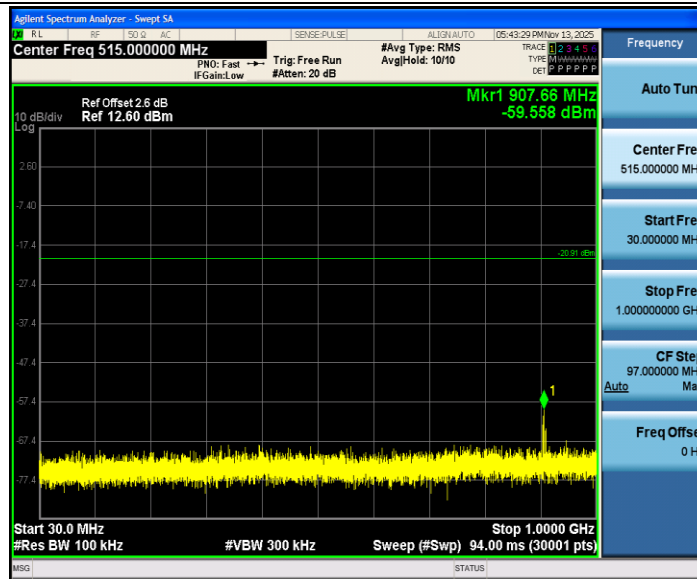
DH5_Ant1_2441_1000~26500



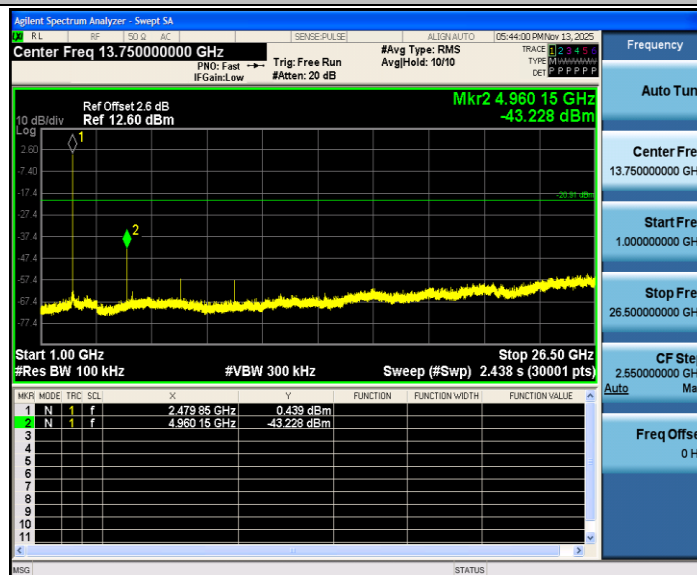
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



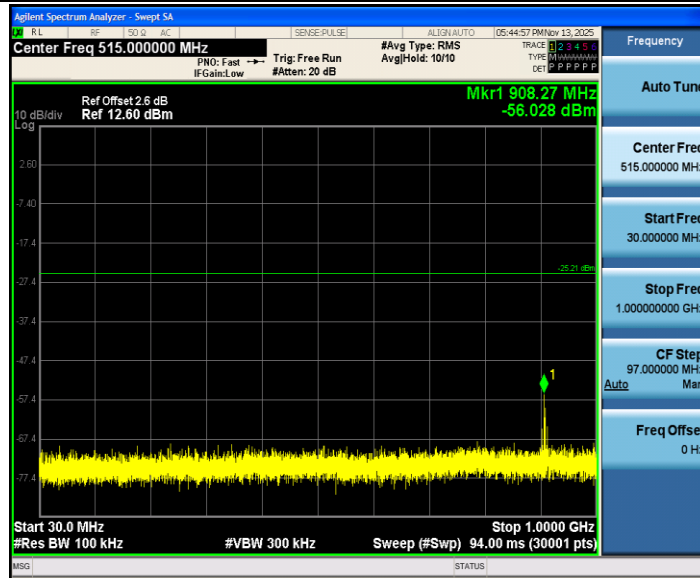
DH5_Ant1_2480_1000~26500



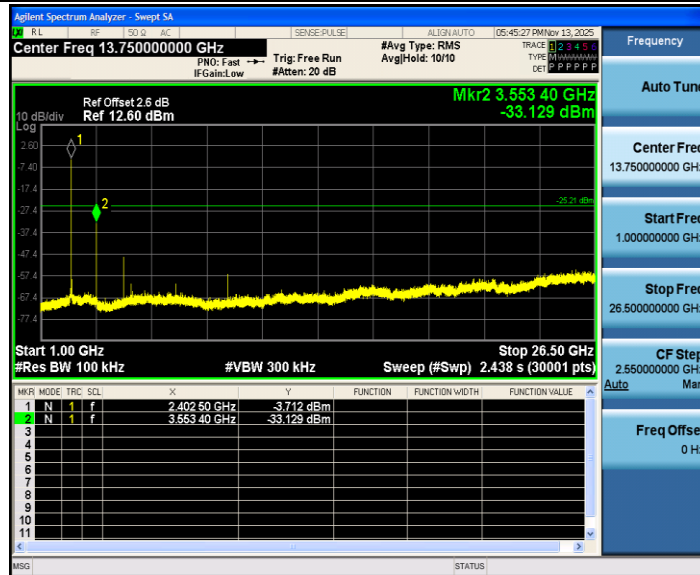
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



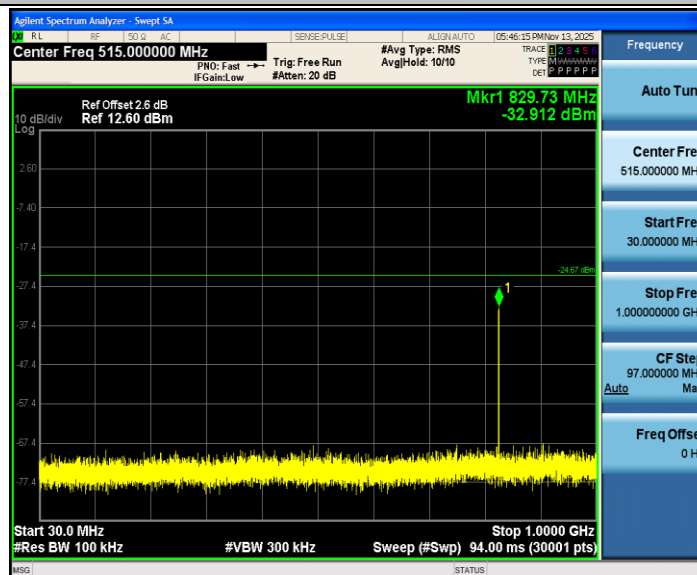
2DH5_Ant1_2402_1000~26500



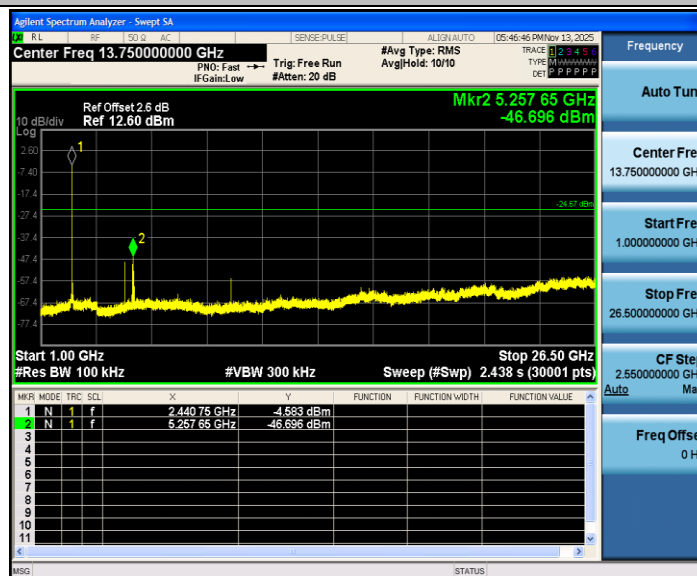
2DH5_Ant1_2441_0~Reference



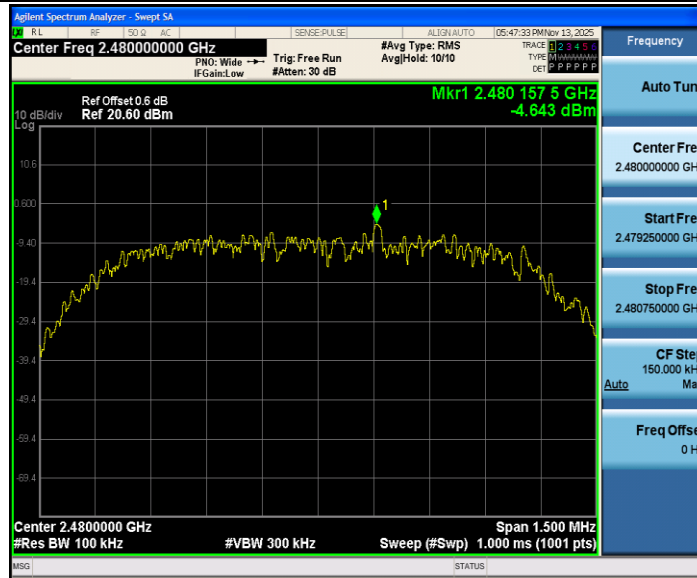
2DH5_Ant1_2441_30~1000



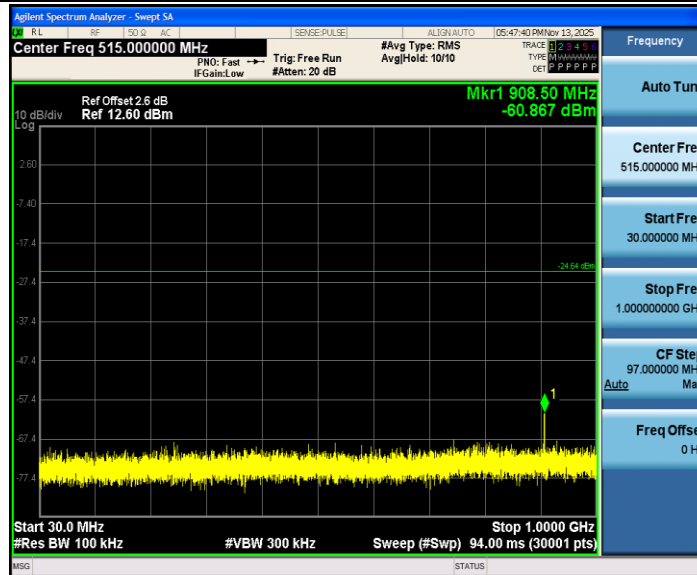
2DH5_Ant1_2441_1000~26500



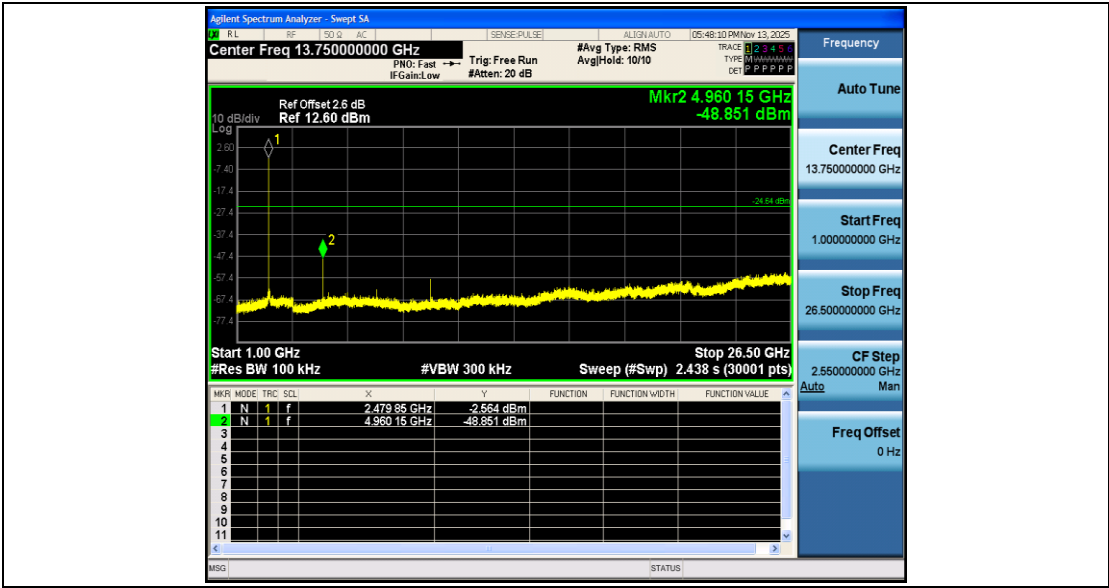
2DH5_Ant1_2480_0~Reference



2DH5_Ant1_2480_30~1000



2DH5_Ant1_2480_1000~26500

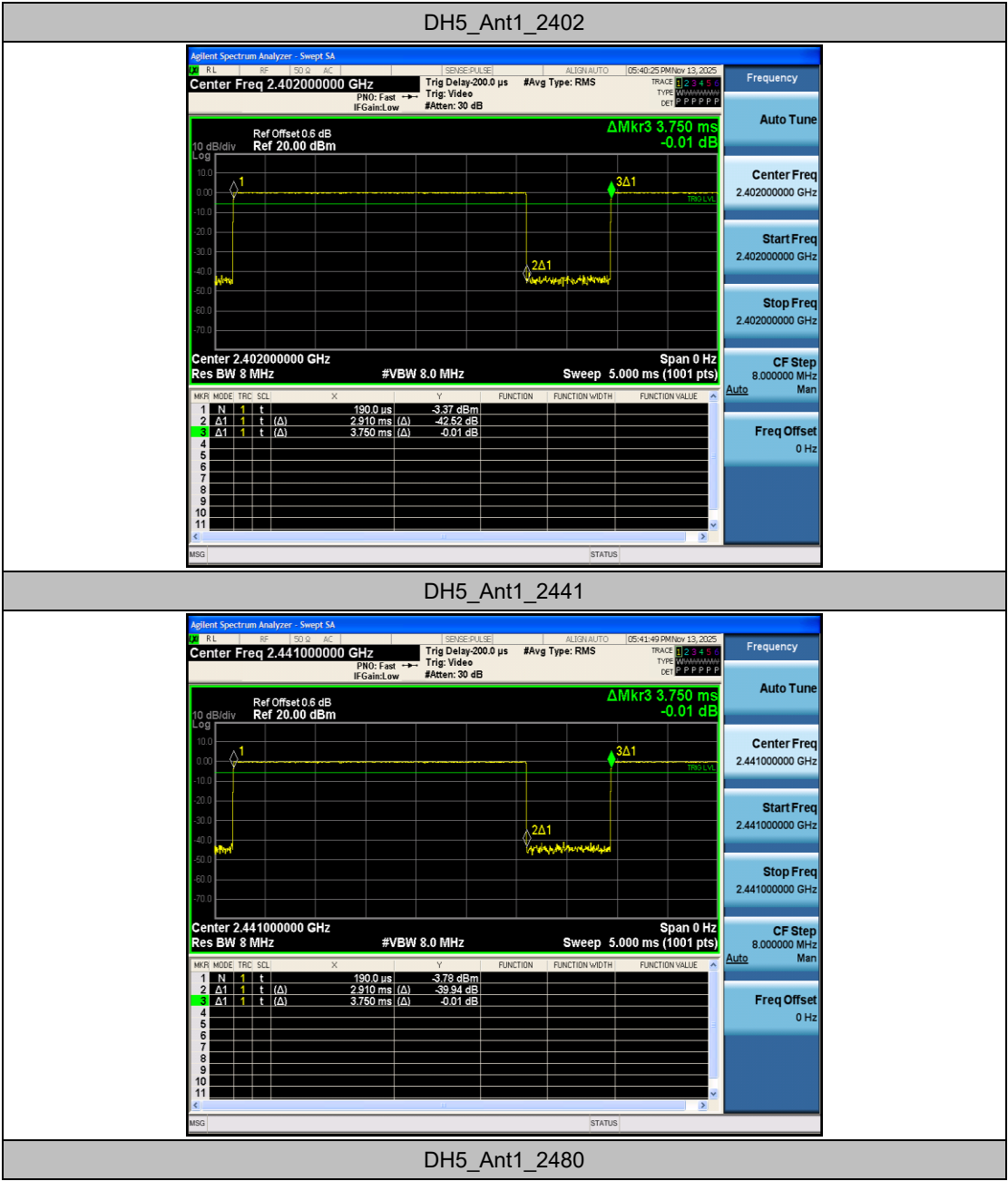


Appendix I: Duty Cycle

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	2.92	3.75	77.87	1.09	---	---
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	---	---

Test Graphs



DH5_Ant1_2441

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Ref Offset 0.6 dB
Ref 20.00 dBm

10 dB/div
Log

1

2

3

4

5

6

7

8

9

10

11

MSG

STATUS

SENSE: PULSE

ALIGN: AUTO

05:41:49 PM Nov 13, 2025

Trig Delay: 200.0 μ s

#Avg Type: RMS

PRN: Fast

IF Gain: Low

Trig: Video

#Atten: 30 dB

TYPE: W

DET: P P P P P

Auto Tune

Center Freq
2.441000000 GHz

Start Freq
2.441000000 GHz

Stop Freq
2.441000000 GHz

CF Step
8.0000000 MHz
Auto
Man

Freq Offset
0 Hz

Center 2.441000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 5.000 ms (1001 pts)

Span 0 Hz

1

2

3

4

5

6

7

8

9

10

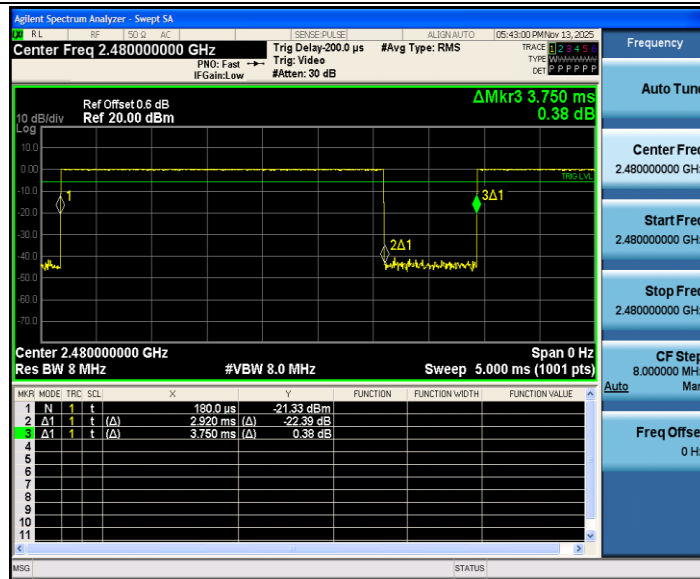
11

MSG

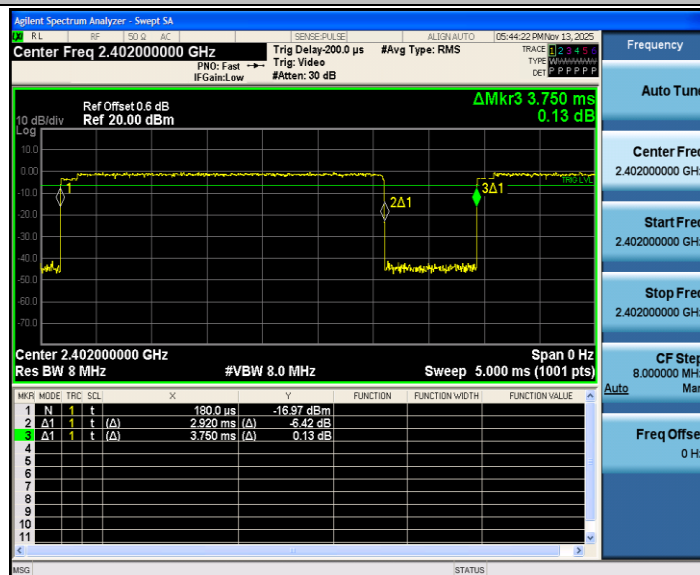
STATUS

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t	190.0 μ s	-3.78 dBm			
2	Δ 1	1	t	2.910 ms (Δ)	-39.94 dB			
3	Δ 1	1	t	3.750 ms (Δ)	-0.01 dB			

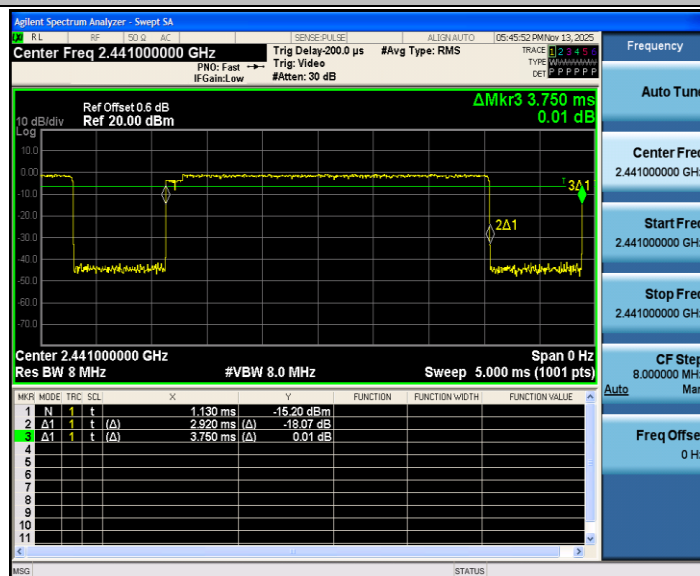
DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480

