

FCC Appendix RF Test Data for BT

FCC ID : 2BU85-T30

Company : JIAHANG TECHNOLOGY (HONG KONG) CO.,LIMITED

EUT : Tablet PC

Model Number : T30

Report No. : CTA26032000902

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	0.960	2401.541	2402.501	---	---
		2441	0.939	2440.553	2441.492	---	---
		2480	0.960	2479.541	2480.501	---	---
2DH5	Ant1	2402	1.341	2401.340	2402.681	---	---
		2441	1.314	2440.346	2441.660	---	---
		2480	1.281	2479.382	2480.663	---	---
3DH5	Ant1	2402	1.290	2401.361	2402.651	---	---
		2441	1.308	2440.358	2441.666	---	---
		2480	1.290	2479.364	2480.654	---	---

DH5_Ant1_2402

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.40200000 GHz

Ref Offset 0.4 dB
Ref 30.00 dBm

Trig: Free Run
#Atten: 40 dB

#Avg Type: RMS
AvgHold: 100/100

Span 3.000 MHz
Sweep 3.200 ms (1001 pts)

#Res BW 30 kHz
#VBW 100 kHz

ΔMkr3 960 kHz
-0.587 dB

MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.401541 GHz	-26.725 dBm			
2	N	1	f	2.401922 GHz	-6.464 dBm			
3	Δ	1	f (Δ)	960 kHz (Δ)	-0.587 dB			

DH5_Ant1_2441

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Ref Offset 0.4 dB
Ref 30.00 dBm

Trig: Free Run
#Atten: 40 dB

#Avg Type: RMS
AvgHold: 100/100

Span 3.000 MHz
Sweep 3.200 ms (1001 pts)

#Res BW 30 kHz
#VBW 100 kHz

ΔMkr3 939 kHz
-0.234 dB

MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.440553 GHz	-26.404 dBm			
2	N	1	f	2.441012 GHz	-5.333 dBm			
3	Δ	1	f (Δ)	939 kHz (Δ)	-0.234 dB			



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

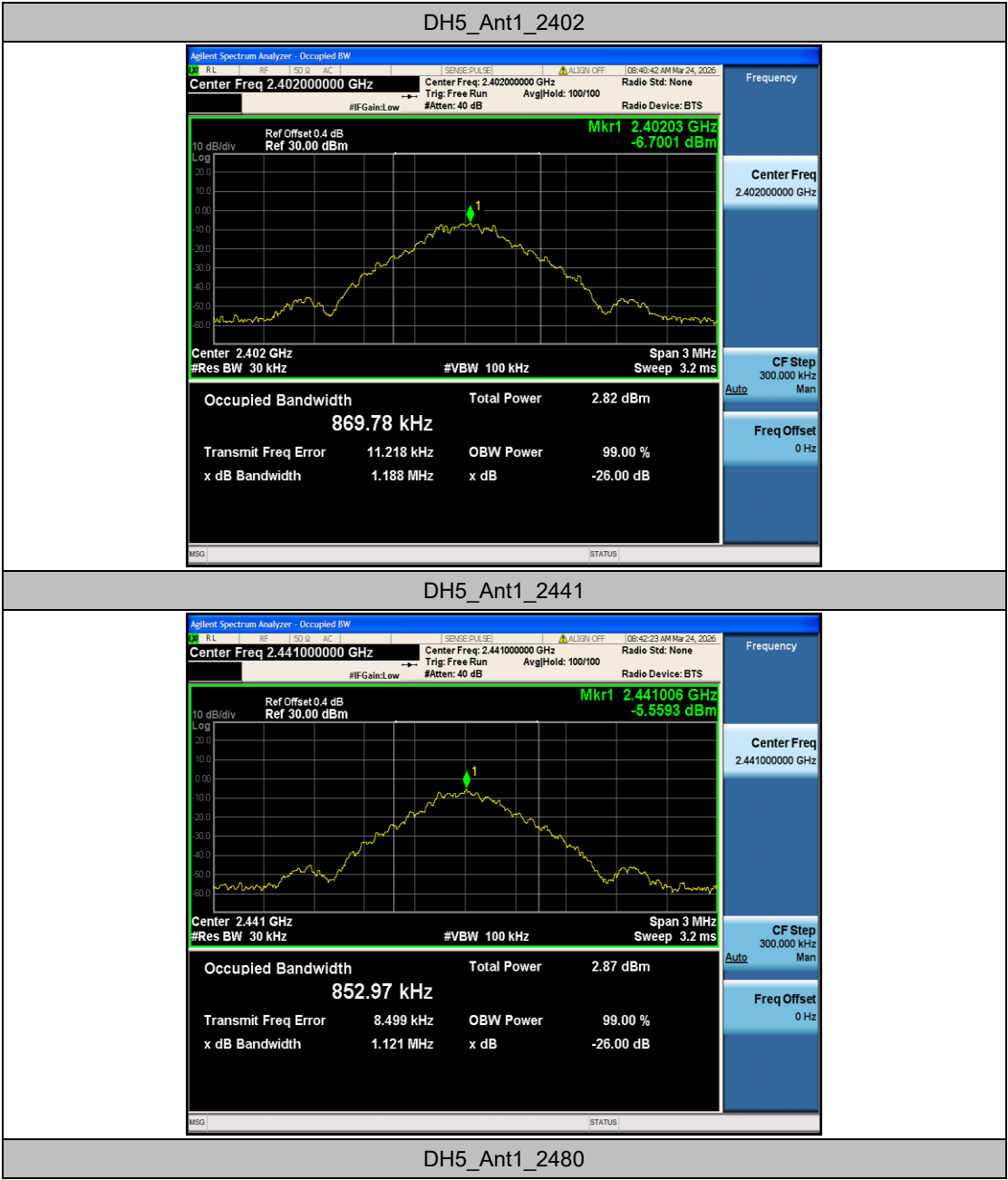


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86978	2401.5763	2402.4461	---	---
		2441	0.85297	2440.5820	2441.4350	---	---
		2480	0.86710	2479.5735	2480.4406	---	---
2DH5	Ant1	2402	1.1914	2401.4119	2402.6033	---	---
		2441	1.1763	2440.4203	2441.5966	---	---
		2480	1.1898	2479.4139	2480.6037	---	---
3DH5	Ant1	2402	1.1987	2401.4112	2402.6099	---	---
		2441	1.1795	2440.4200	2441.5995	---	---
		2480	1.1834	2479.4231	2480.6065	---	---

Test Graphs





2DH5_Ant1_2402



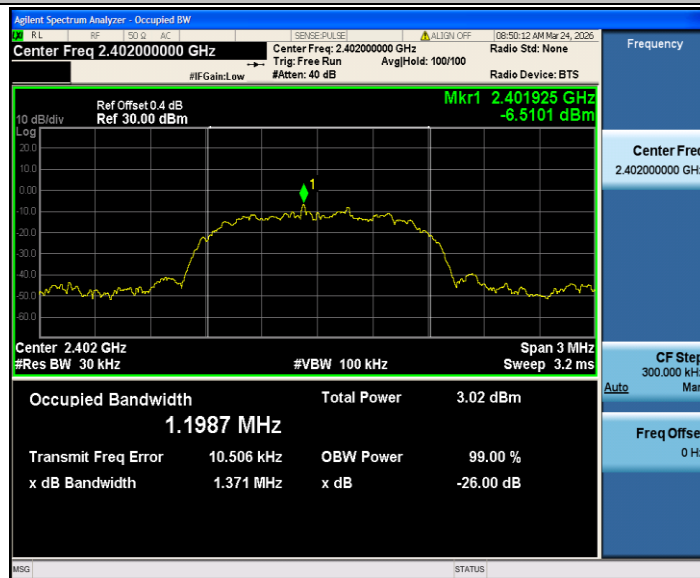
2DH5_Ant1_2441



2DH5_Ant1_2480



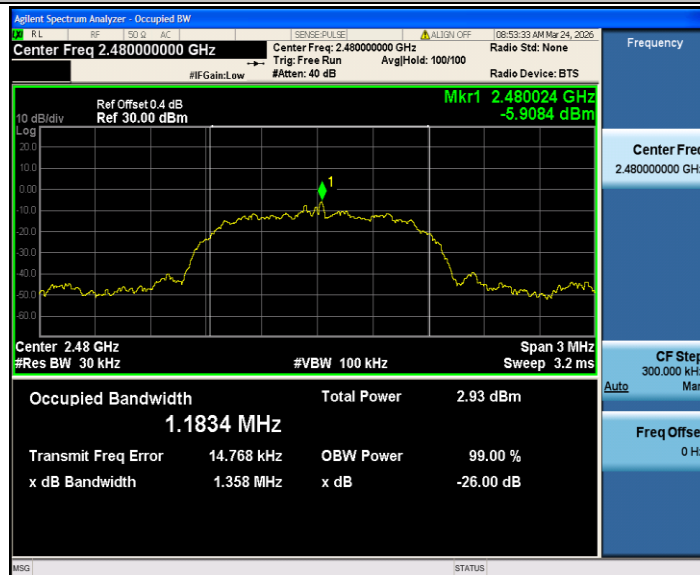
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_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	-3.43	≤20.97	PASS
		2441	-3.75	≤20.97	PASS
		2480	-3.85	≤20.97	PASS
2DH5	Ant1	2402	-0.82	≤20.97	PASS
		2441	-1.13	≤20.97	PASS
		2480	-1.27	≤20.97	PASS
3DH5	Ant1	2402	-0.48	≤20.97	PASS
		2441	-0.82	≤20.97	PASS
		2480	-0.91	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.976	≥ 0.960	PASS
2DH5	Ant1	Hop	1.044	≥ 0.894	PASS
3DH5	Ant1	Hop	1.016	≥ 0.872	PASS

Test Graphs



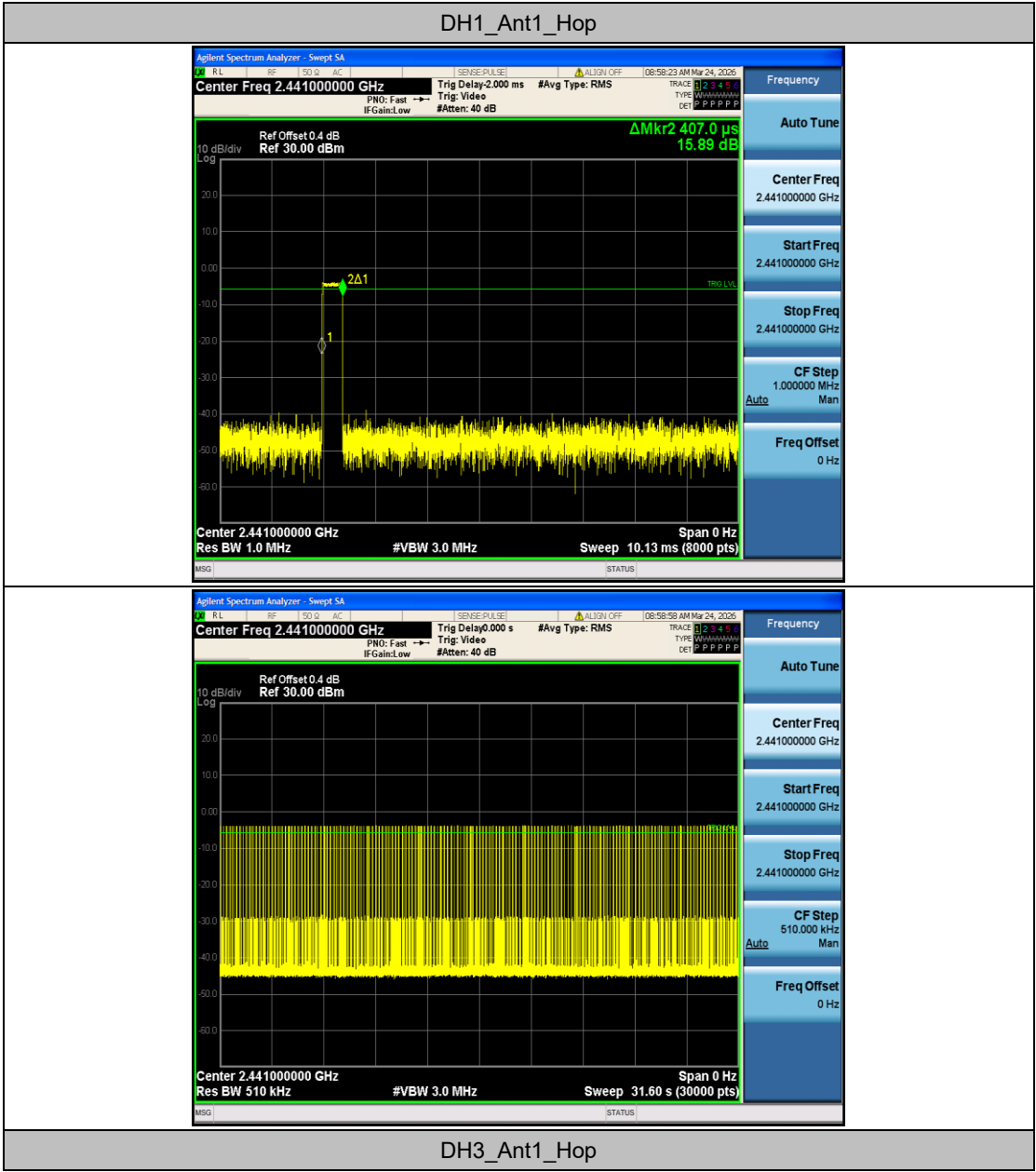


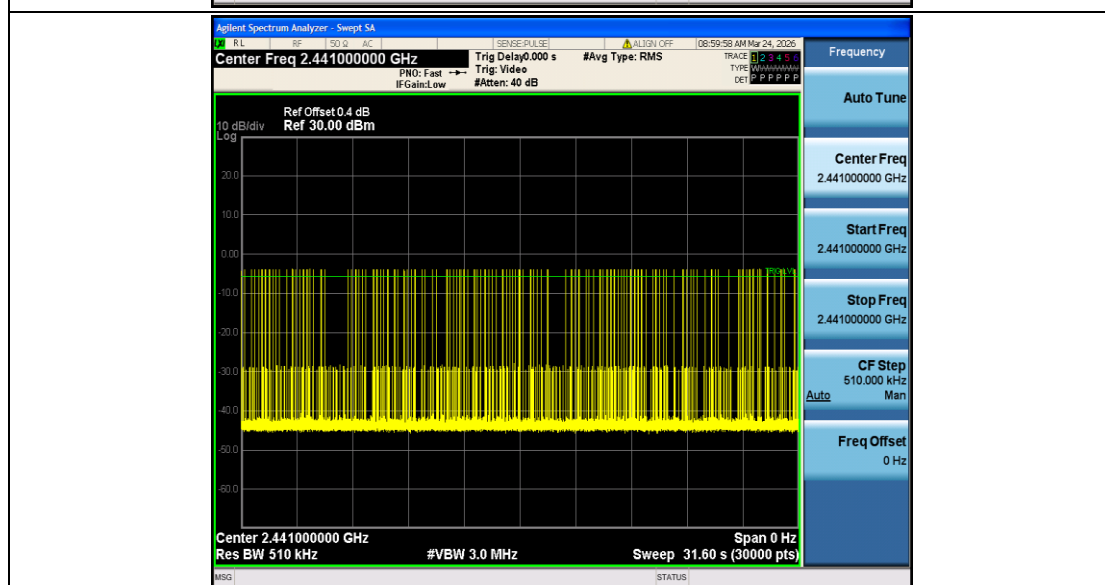
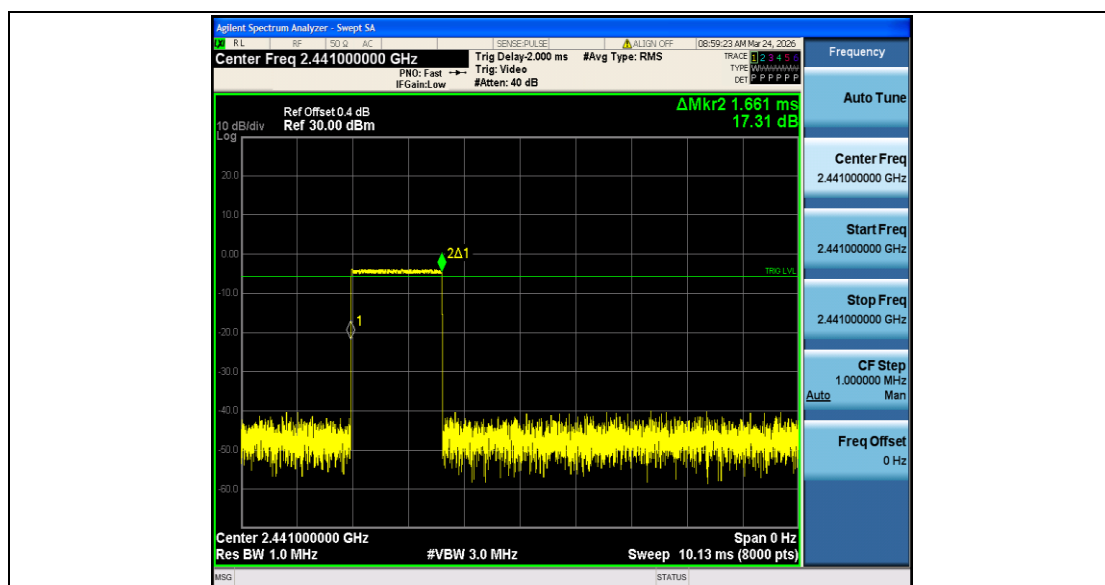
Appendix E: Time of occupancy

Test Result

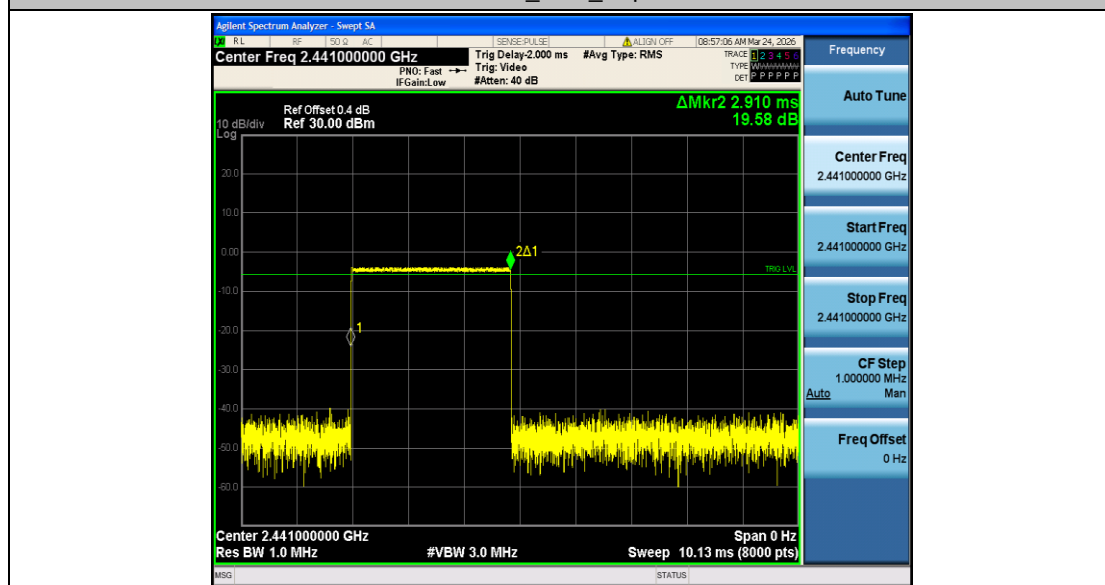
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	320	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.661	156	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.910	103	0.3	≤0.4	PASS
2DH1	Ant1	Hop	0.414	319	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.668	172	0.287	≤0.4	PASS
2DH5	Ant1	Hop	2.915	116	0.338	≤0.4	PASS
3DH1	Ant1	Hop	0.417	319	0.133	≤0.4	PASS
3DH3	Ant1	Hop	1.666	157	0.262	≤0.4	PASS
3DH5	Ant1	Hop	2.916	111	0.324	≤0.4	PASS

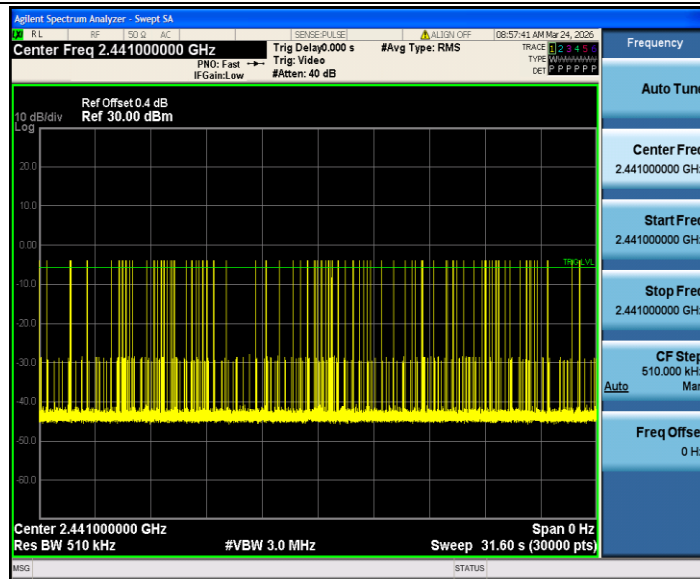
Test Graphs



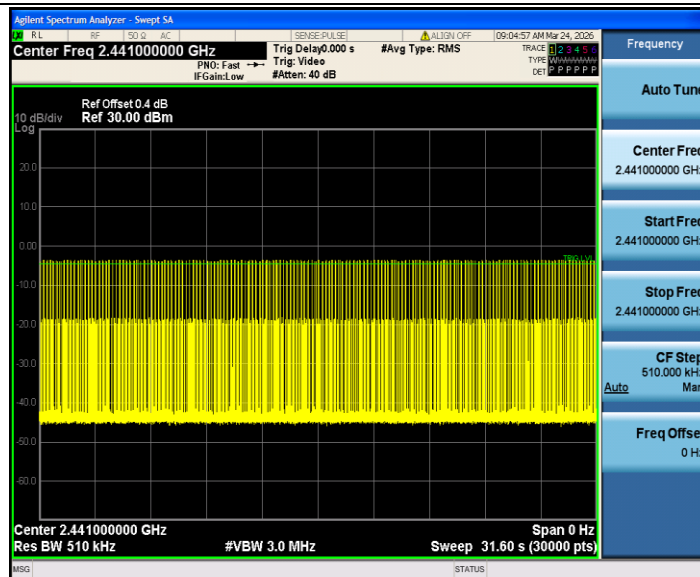
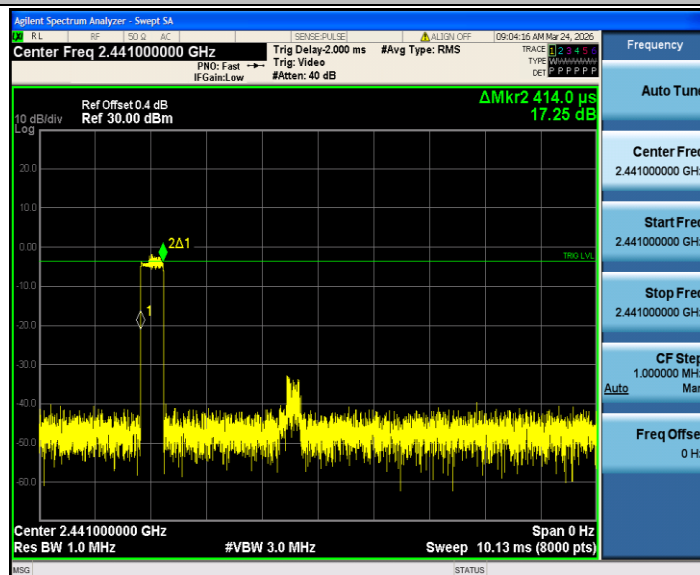


DH5_Ant1_Hop

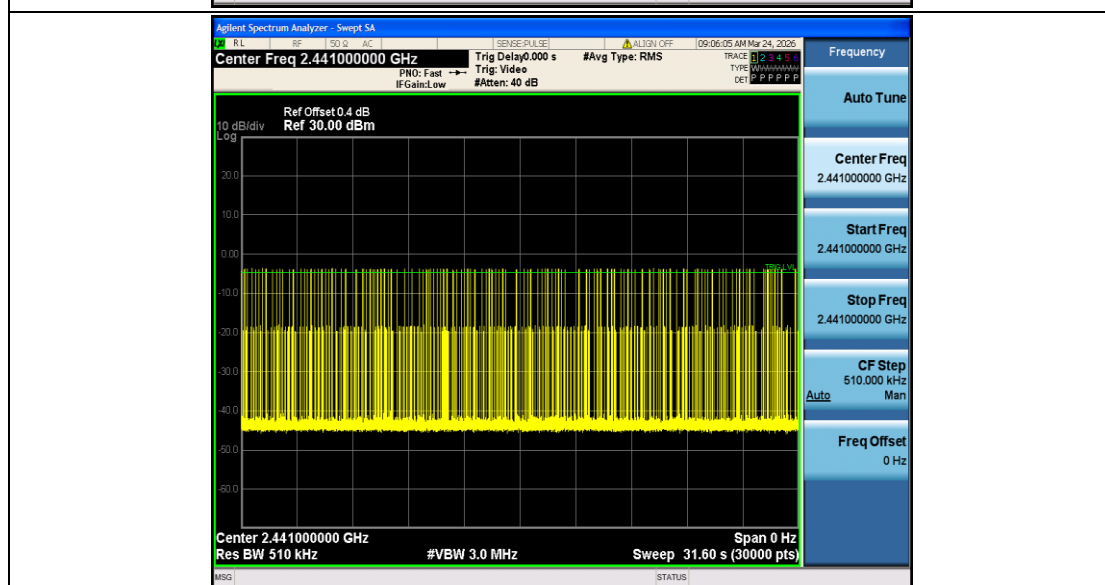
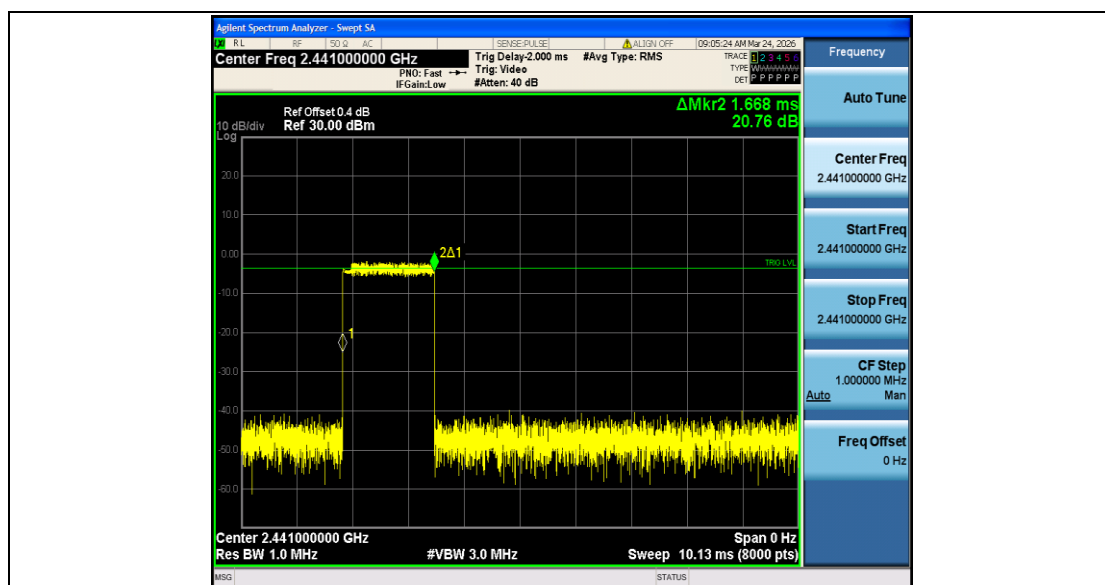




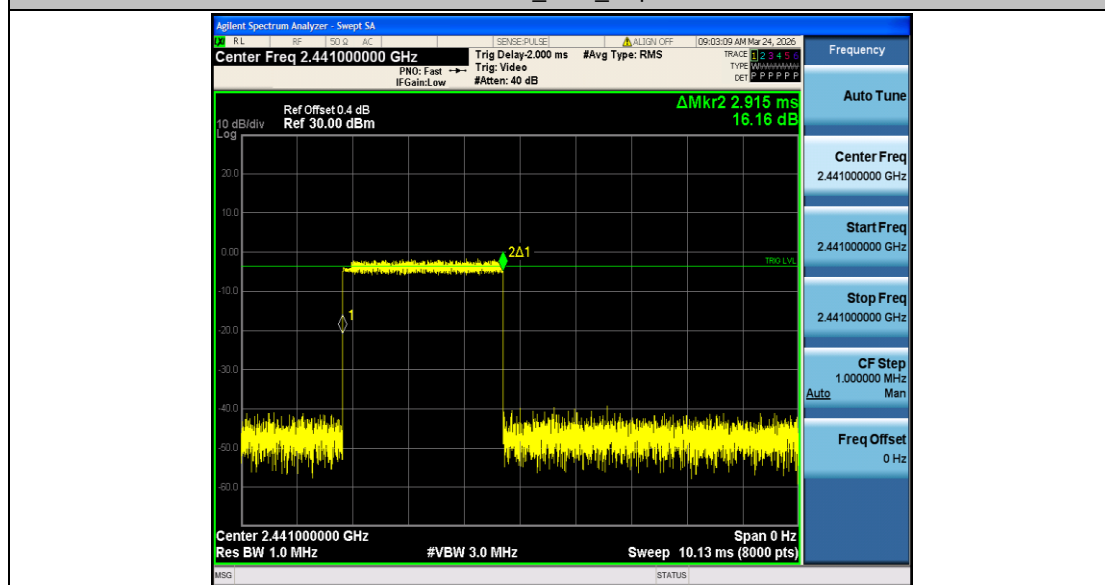
2DH1_Ant1_Hop

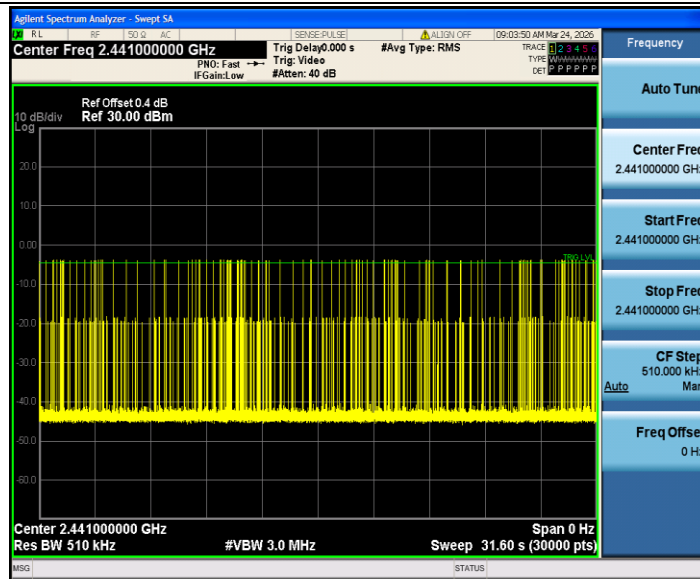


2DH3_Ant1_Hop

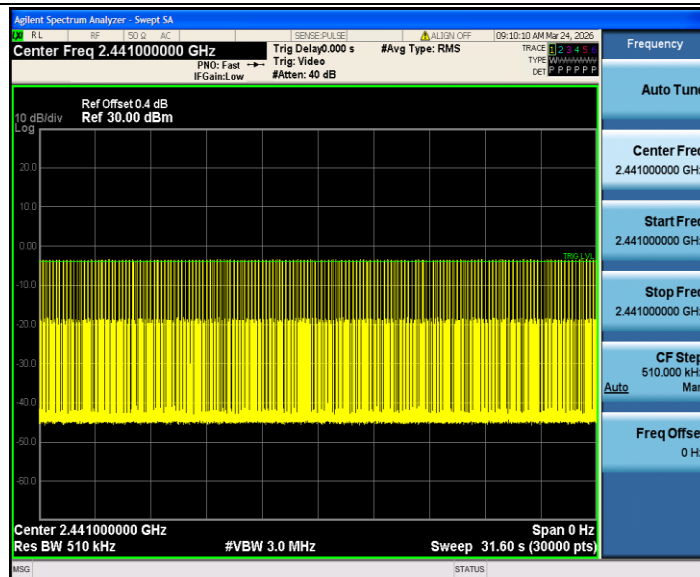
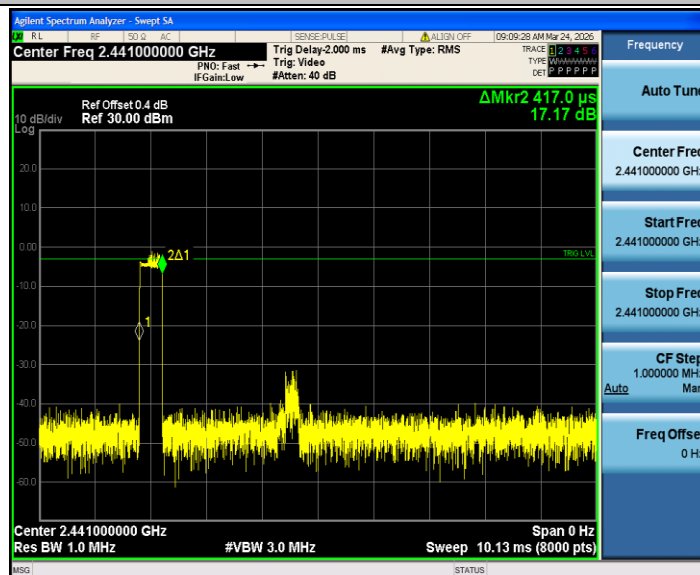


2DH5_Ant1_Hop

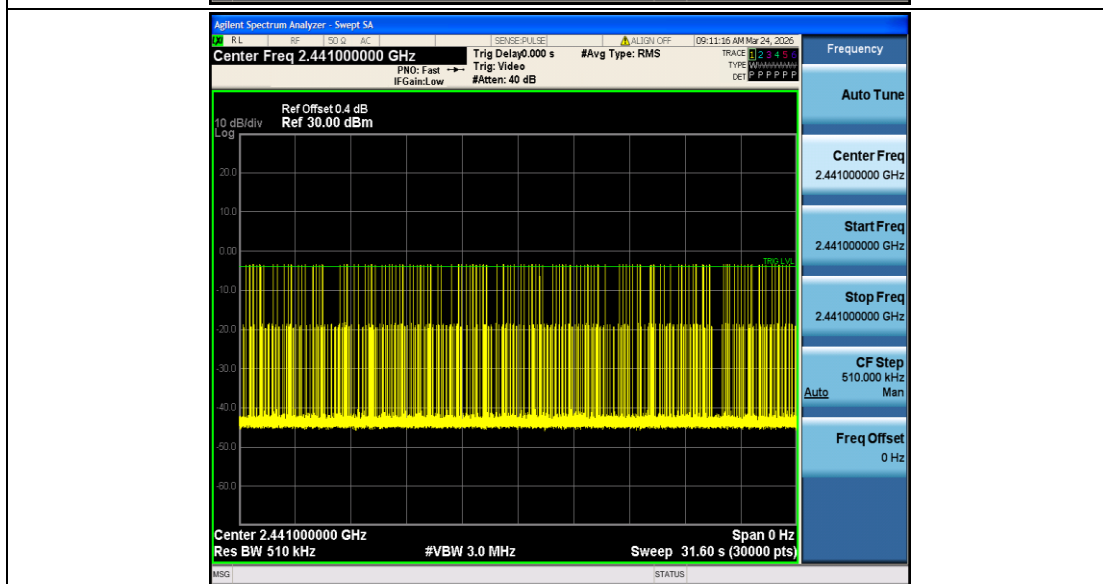
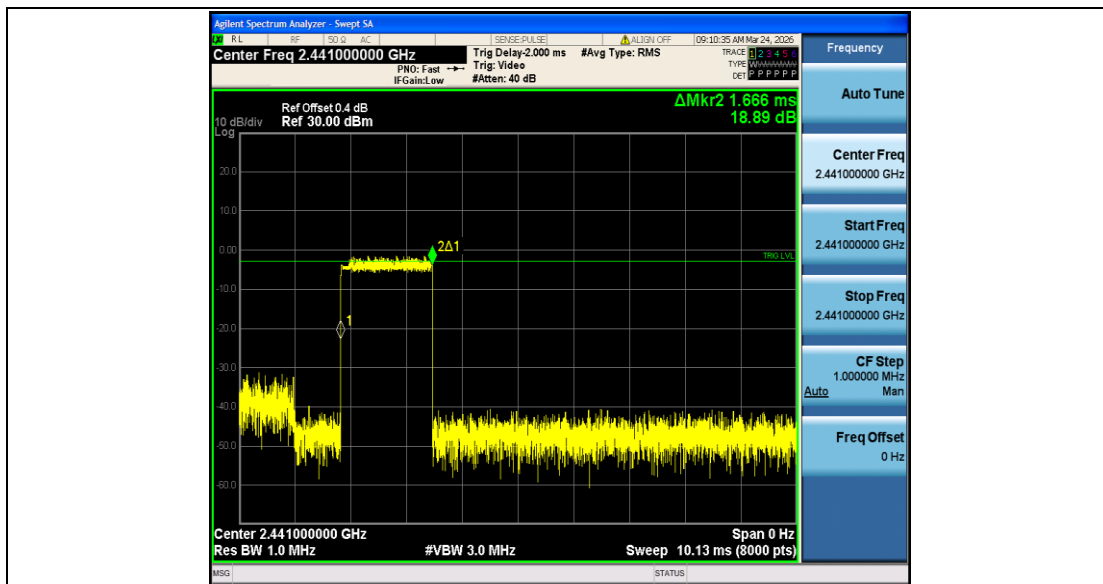




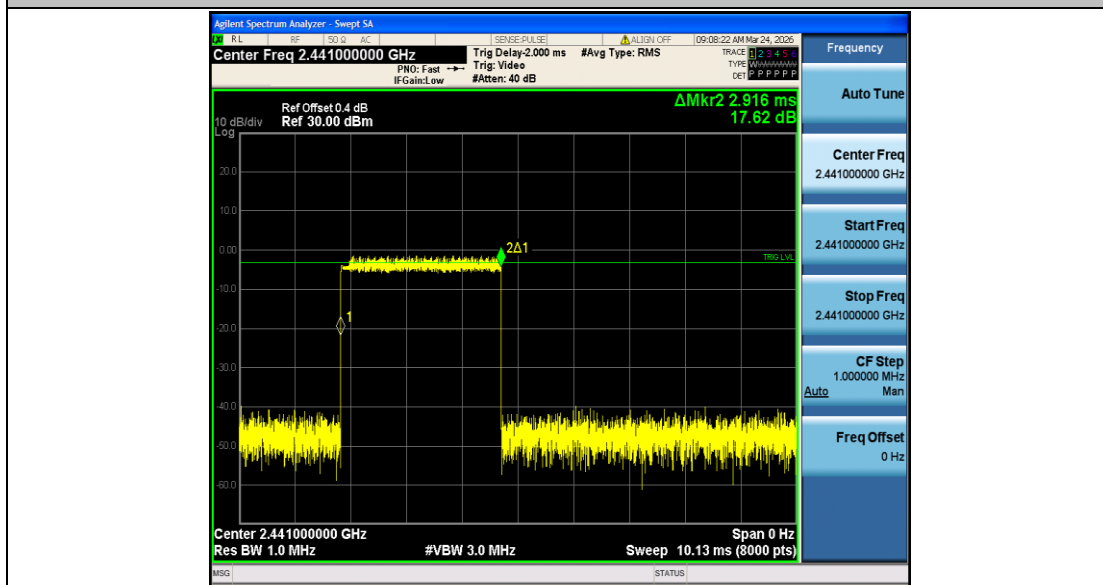
3DH1_Ant1_Hop

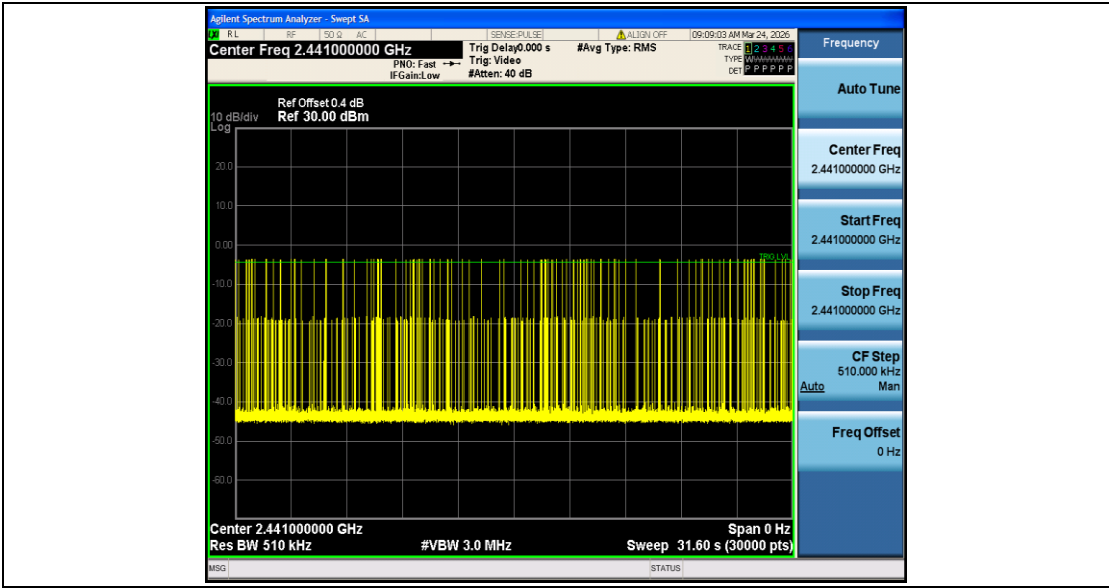


3DH3_Ant1_Hop



3DH5_Ant1_Hop



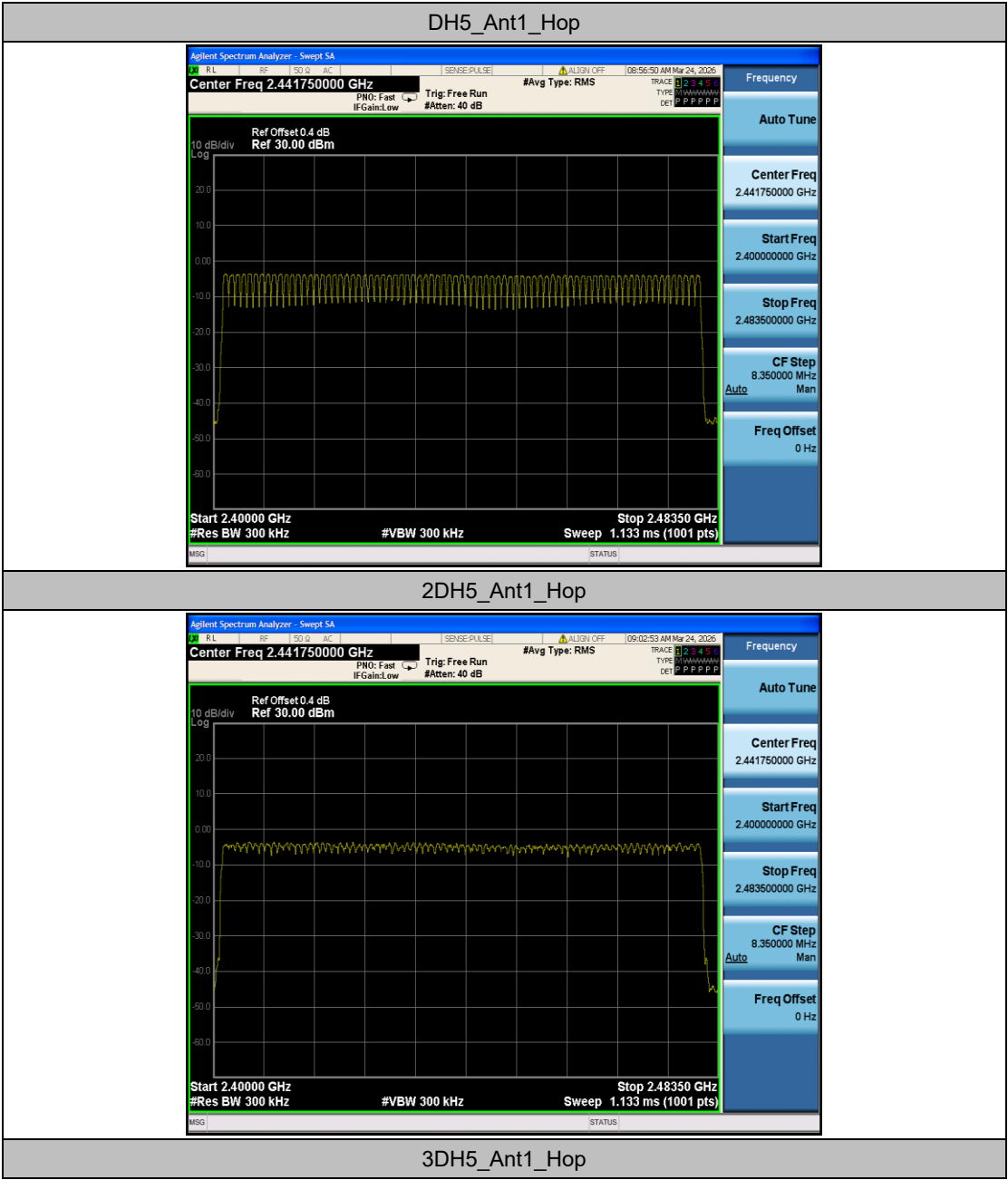


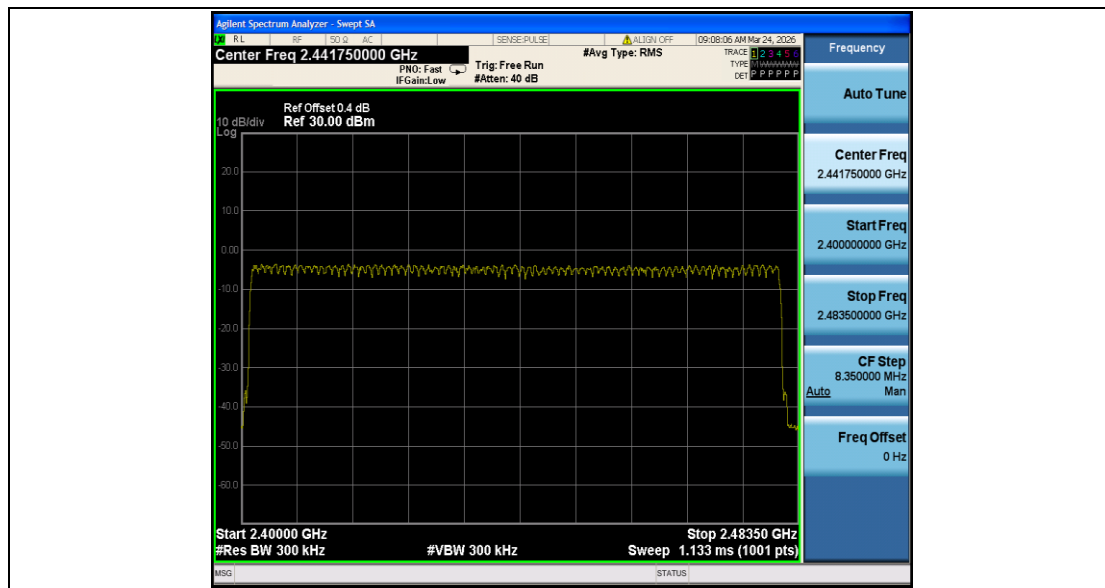
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



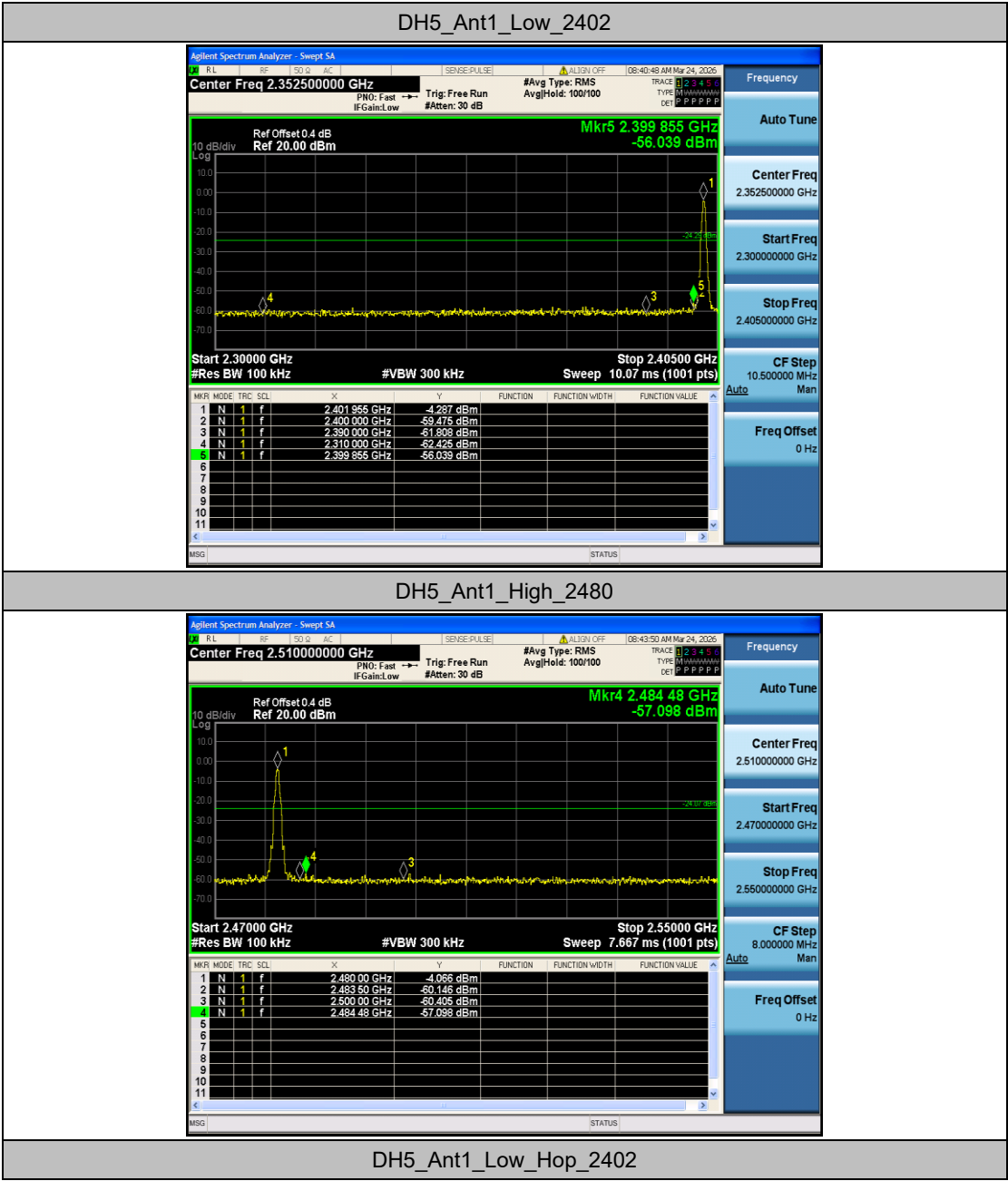


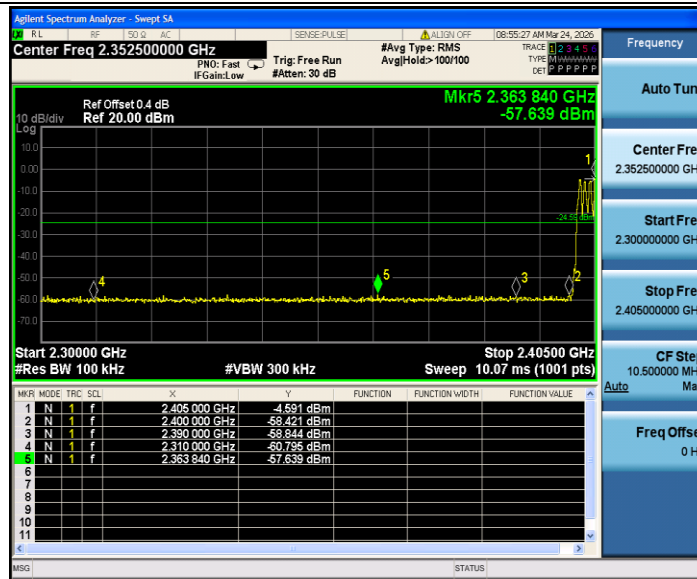
Appendix G: Band edge measurements

Test Result

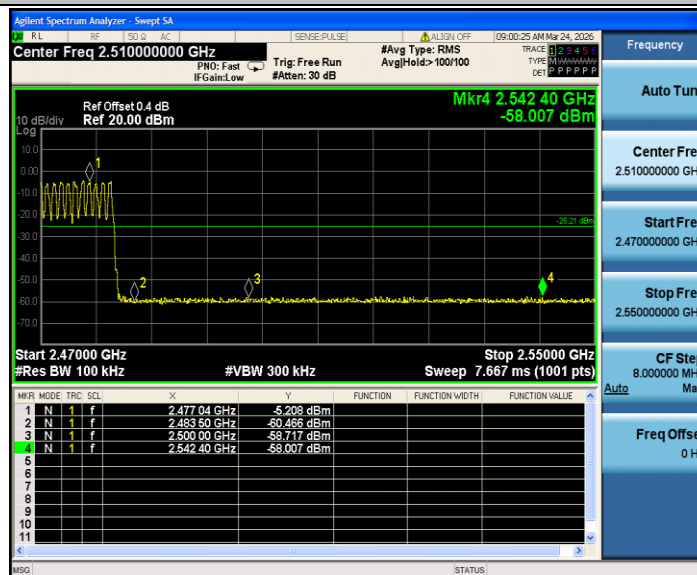
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.29	-56.04	≤-24.29	PASS
		High	2480	-4.07	-57.1	≤-24.07	PASS
		Low	Hop_2402	-4.59	-57.64	≤-24.59	PASS
		High	Hop_2480	-5.21	-58.01	≤-25.21	PASS
2DH5	Ant1	Low	2402	-4.31	-55.59	≤-24.31	PASS
		High	2480	-5.08	-57.64	≤-25.08	PASS
		Low	Hop_2402	-6.49	-57.13	≤-26.49	PASS
		High	Hop_2480	-7.68	-56.74	≤-27.68	PASS
3DH5	Ant1	Low	2402	-5.56	-57.58	≤-25.56	PASS
		High	2480	-4.72	-57.49	≤-24.72	PASS
		Low	Hop_2402	-7.50	-57.68	≤-27.5	PASS
		High	Hop_2480	-4.83	-57.16	≤-24.83	PASS

Test Graphs

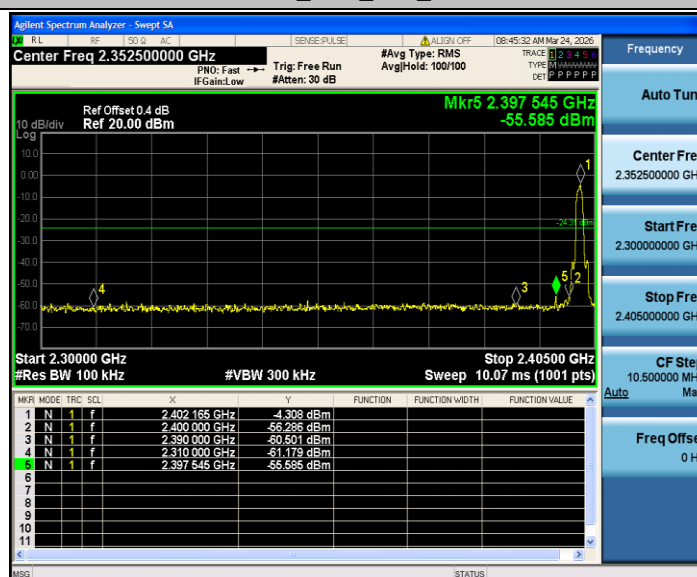




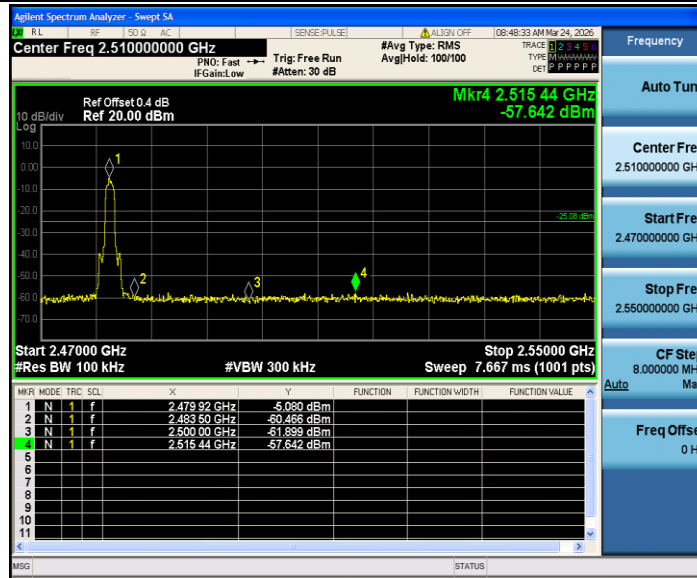
DH5_Ant1_High_Hop_2480



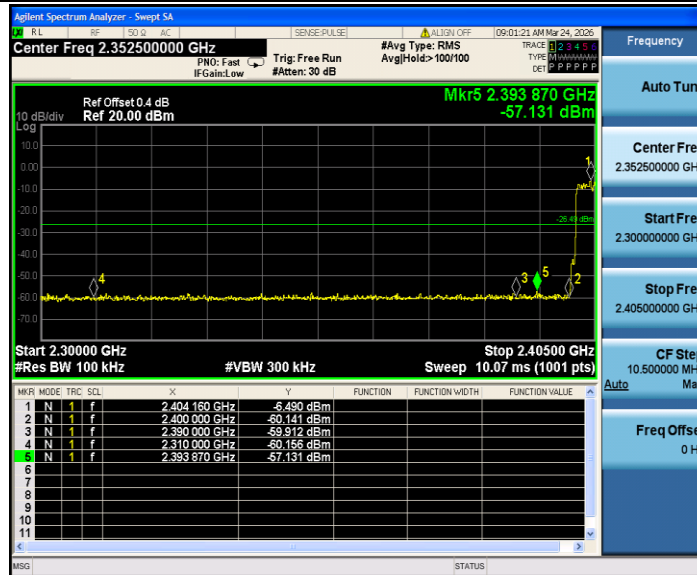
2DH5_Ant1_Low_2402



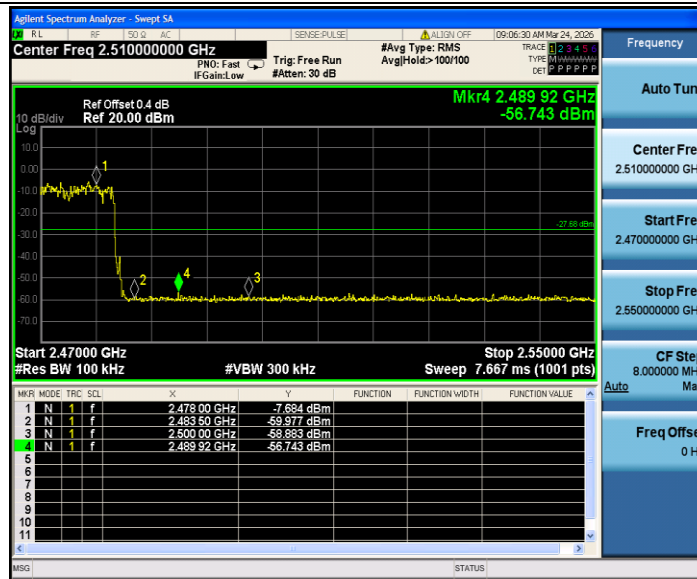
2DH5_Ant1_High_2480



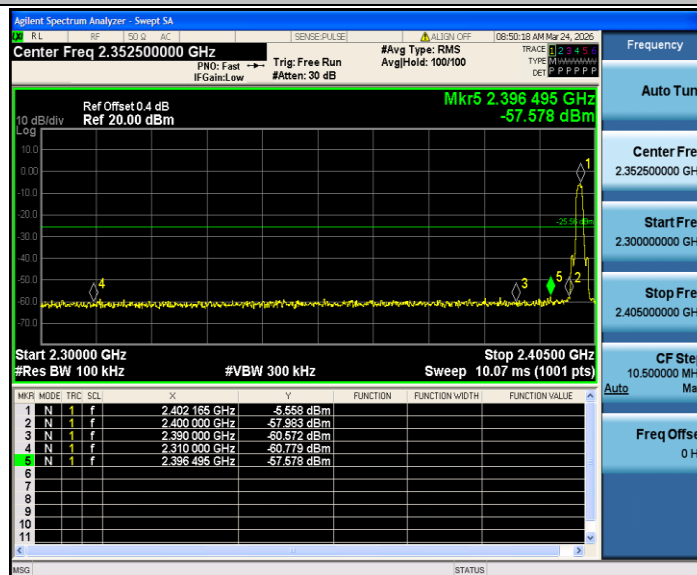
2DH5_Ant1_Low_Hop_2402



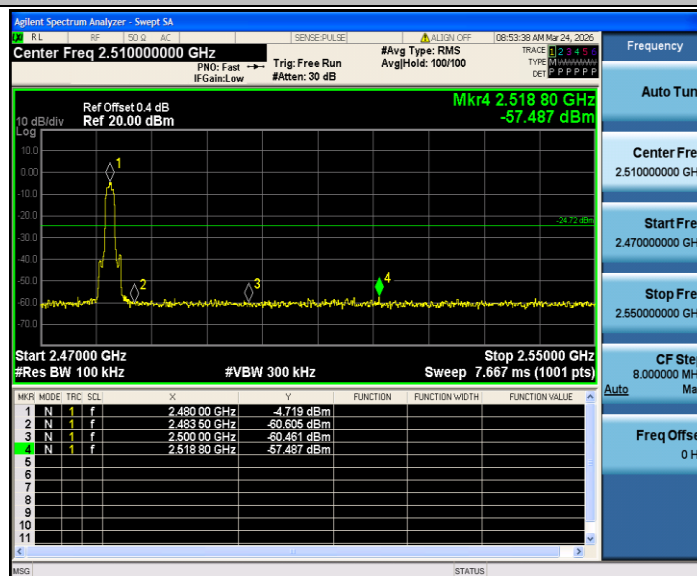
2DH5_Ant1_High_Hop_2480



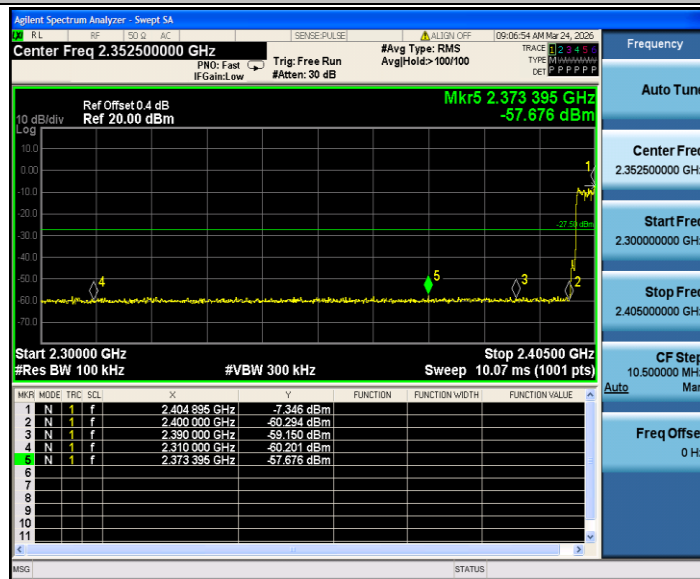
3DH5_Ant1_Low_2402



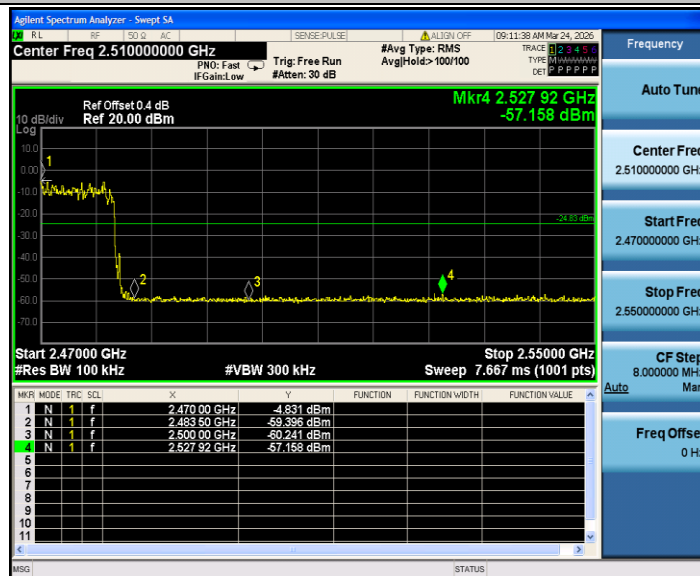
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

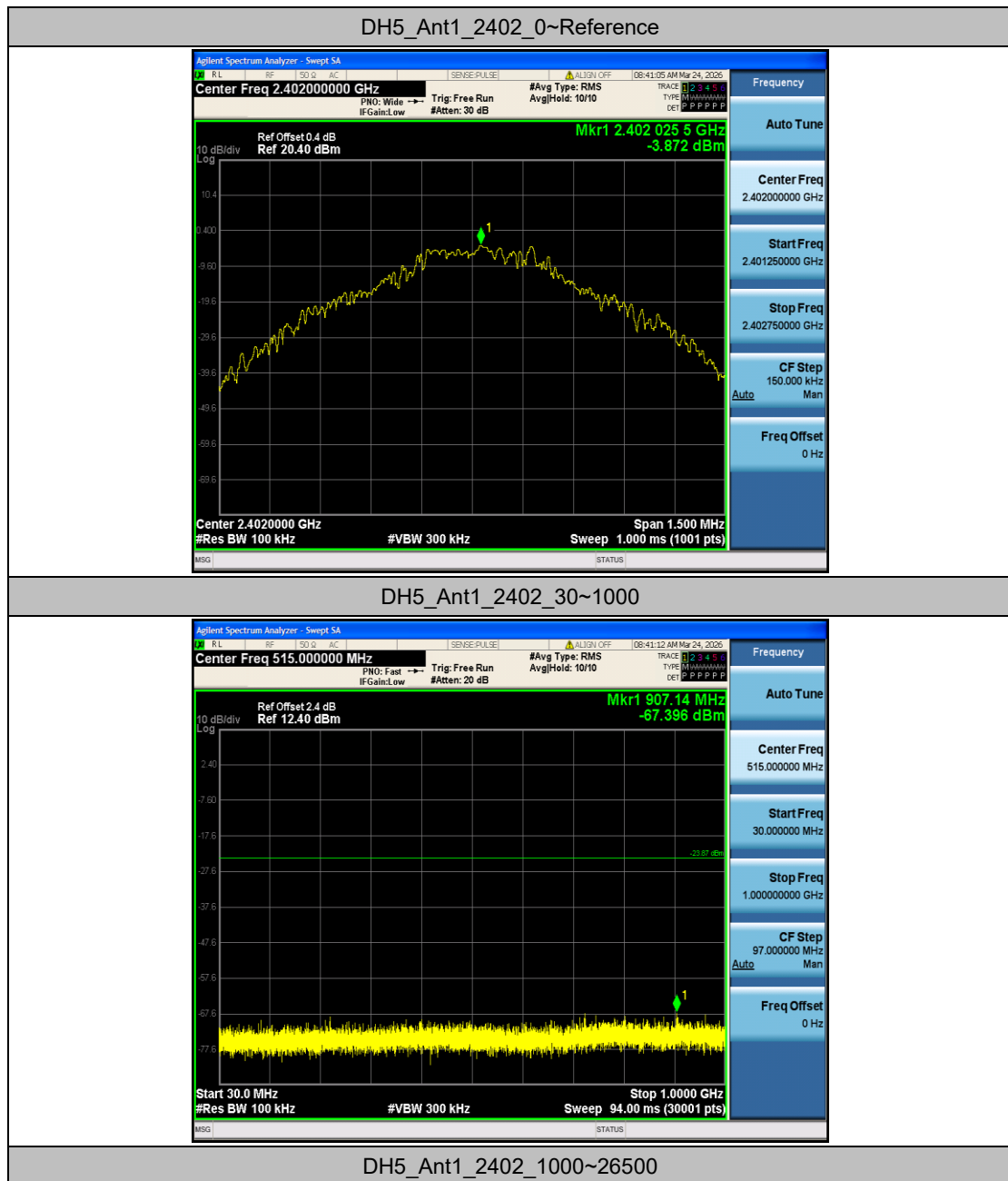


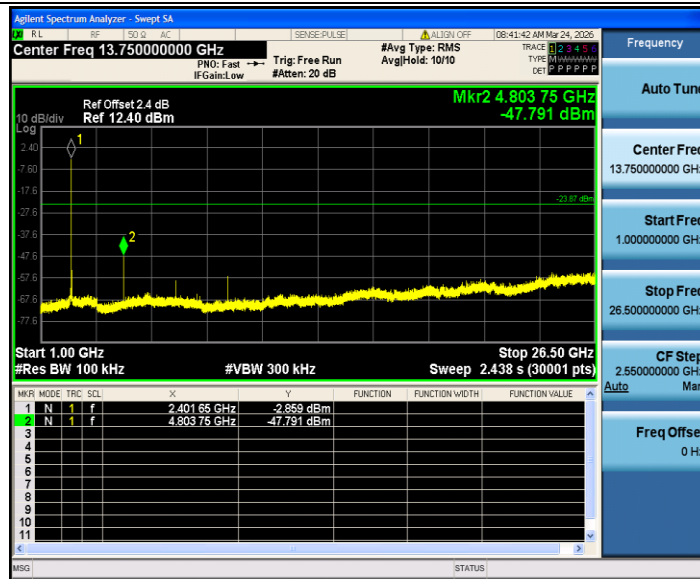
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-3.87	-3.87	---	PASS
			30~1000	-3.87	-67.4	≤-23.87	PASS
			1000~26500	-3.87	-47.79	≤-23.87	PASS
		2441	Reference	-4.80	-4.80	---	PASS
			30~1000	-4.80	-68.09	≤-24.8	PASS
			1000~26500	-4.80	-48.17	≤-24.8	PASS
		2480	Reference	-5.06	-5.06	---	PASS
			30~1000	-5.06	-67.83	≤-25.06	PASS
			1000~26500	-5.06	-49.07	≤-25.06	PASS
2DH5	Ant1	2402	Reference	-6.27	-6.27	---	PASS
			30~1000	-6.27	-67.38	≤-26.27	PASS
			1000~26500	-6.27	-49.99	≤-26.27	PASS
		2441	Reference	-7.62	-7.62	---	PASS
			30~1000	-7.62	-67.2	≤-27.62	PASS
			1000~26500	-7.62	-47.93	≤-27.62	PASS
		2480	Reference	-4.71	-4.71	---	PASS
			30~1000	-4.71	-63.01	≤-24.71	PASS
			1000~26500	-4.71	-35.7	≤-24.71	PASS
3DH5	Ant1	2402	Reference	-6.30	-6.30	---	PASS
			30~1000	-6.30	-63.7	≤-26.3	PASS
			1000~26500	-6.30	-50.35	≤-26.3	PASS
		2441	Reference	-6.58	-6.58	---	PASS
			30~1000	-6.58	-67.84	≤-26.58	PASS
			1000~26500	-6.58	-49.72	≤-26.58	PASS
		2480	Reference	-5.13	-5.13	---	PASS
			30~1000	-5.13	-67.8	≤-25.13	PASS
			1000~26500	-5.13	-49.67	≤-25.13	PASS

Test Graphs

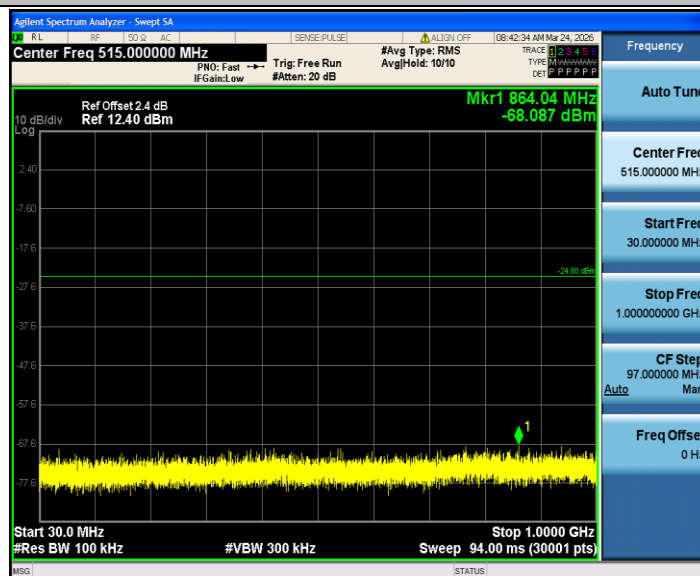




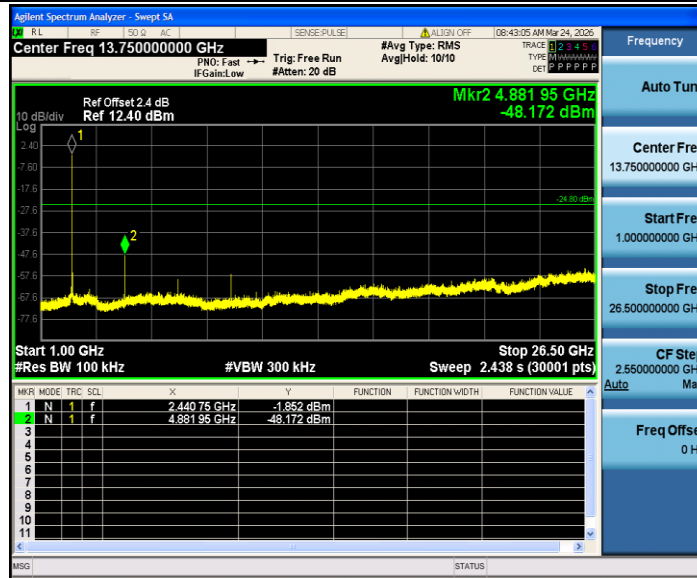
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000