

FCC Appendix RF Test Data for BT

FCC ID : 2AZW2-G15MPRO

Company : Beijing Supvan Information Technology Co., Ltd.

EUT : Label Maker

Model Number : G15M Pro

Report No. : CTA26041403102

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	0.963	2401.544	2402.507	---	---
		2441	0.954	2440.547	2441.501	---	---
		2480	0.942	2479.550	2480.492	---	---
2DH5	Ant1	2402	1.281	2401.379	2402.660	---	---
		2441	1.284	2440.379	2441.663	---	---
		2480	1.287	2479.379	2480.666	---	---
3DH5	Ant1	2402	1.308	2401.352	2402.660	---	---
		2441	1.302	2440.361	2441.663	---	---
		2480	1.311	2479.358	2480.669	---	---

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.40200000 GHz

Ref Offset 0.5 dB
Ref 30.00 dBm

Trig: Free Run
#Atten: 40 dB

#Avg Type: RMS
Avg/Hold: 100/100

Frequency

Auto Tune

Center Freq
2.40200000 GHz

Start Freq
2.40050000 GHz

Stop Freq
2.40350000 GHz

CF Step
300.000 kHz
Man

Freq Offset
0 Hz

10 dB/div
Log

Ref Offset 0.5 dB
Ref 30.00 dBm

ΔMkr3 963 kHz
-0.300 dB

Center 2.402000 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 3.000 MHz
Sweep 3.200 ms (1001 pts)

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.401544 GHz	-26.551 dBm			
2	N	1	f	2.402000 GHz	-6.263 dBm			
3	Δ	1	f (Δ)	963 kHz (Δ)	-0.300 dB			

MSO

STATUS

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Ref Offset 0.5 dB
Ref 30.00 dBm

Trig: Free Run
#Atten: 40 dB

#Avg Type: RMS
Avg/Hold: 100/100

Frequency

Auto Tune

Center Freq
2.441000000 GHz

Start Freq
2.439500000 GHz

Stop Freq
2.442500000 GHz

CF Step
300.000 kHz
Man

Freq Offset
0 Hz

10 dB/div
Log

Ref Offset 0.5 dB
Ref 30.00 dBm

ΔMkr3 954 kHz
-0.156 dB

Center 2.441000 GHz
#Res BW 30 kHz
#VBW 100 kHz
Span 3.000 MHz
Sweep 3.200 ms (1001 pts)

MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.440547 GHz	-26.292 dBm			
2	N	1	f	2.441003 GHz	-5.827 dBm			
3	Δ	1	f (Δ)	954 kHz (Δ)	-0.156 dB			

MSO

STATUS



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

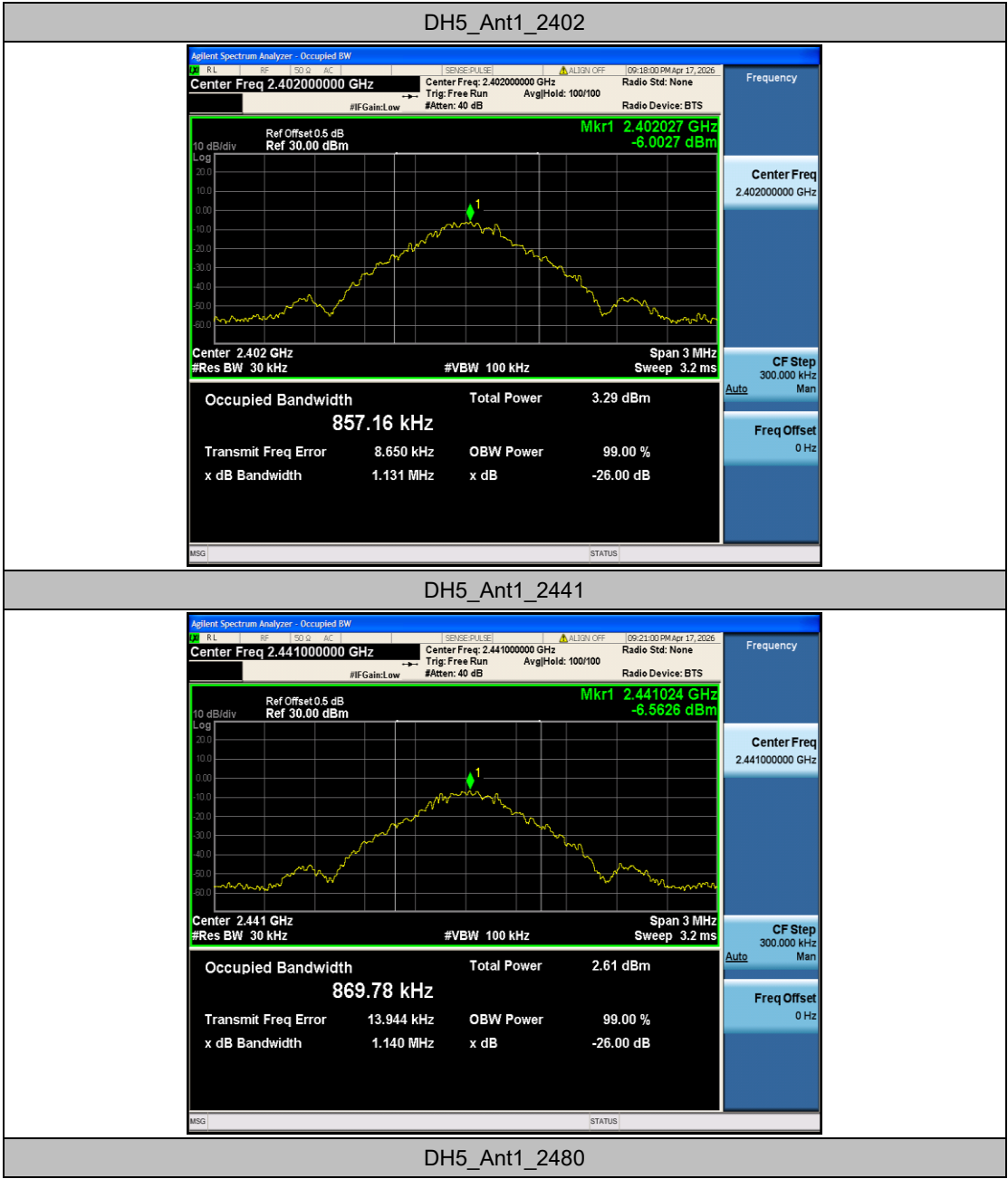


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85716	2401.5801	2402.4372	---	---
		2441	0.86978	2440.5791	2441.4488	---	---
		2480	0.85767	2479.5822	2480.4398	---	---
2DH5	Ant1	2402	1.1868	2401.4166	2402.6034	---	---
		2441	1.1917	2440.4142	2441.6059	---	---
		2480	1.1928	2479.4151	2480.6079	---	---
3DH5	Ant1	2402	1.1900	2401.4165	2402.6065	---	---
		2441	1.1880	2440.4156	2441.6036	---	---
		2480	1.1891	2479.4180	2480.6071	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



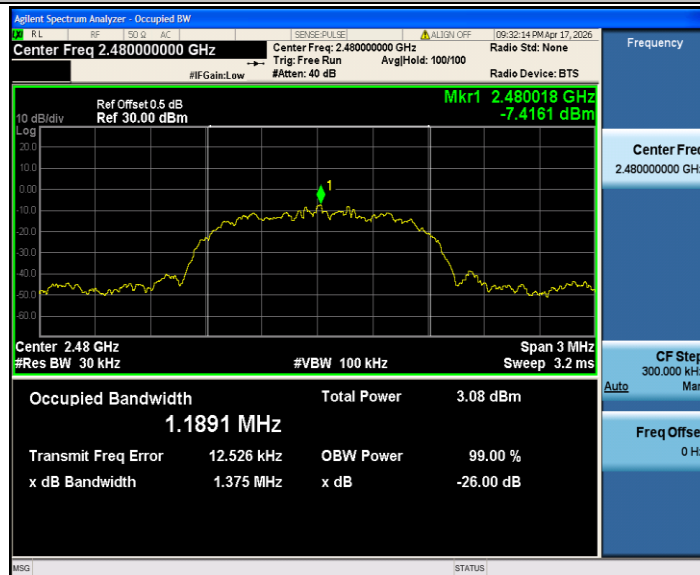
3DH5_Ant1_2402



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	-3.19	≤20.97	PASS
		2441	-3.43	≤20.97	PASS
		2480	-3.41	≤20.97	PASS
2DH5	Ant1	2402	-0.58	≤20.97	PASS
		2441	-0.80	≤20.97	PASS
		2480	-0.83	≤20.97	PASS
3DH5	Ant1	2402	-0.19	≤20.97	PASS
		2441	-0.53	≤20.97	PASS
		2480	-0.46	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.032	≥ 0.963	PASS
2DH5	Ant1	Hop	1.176	≥ 0.858	PASS
3DH5	Ant1	Hop	1.16	≥ 0.874	PASS

Test Graphs



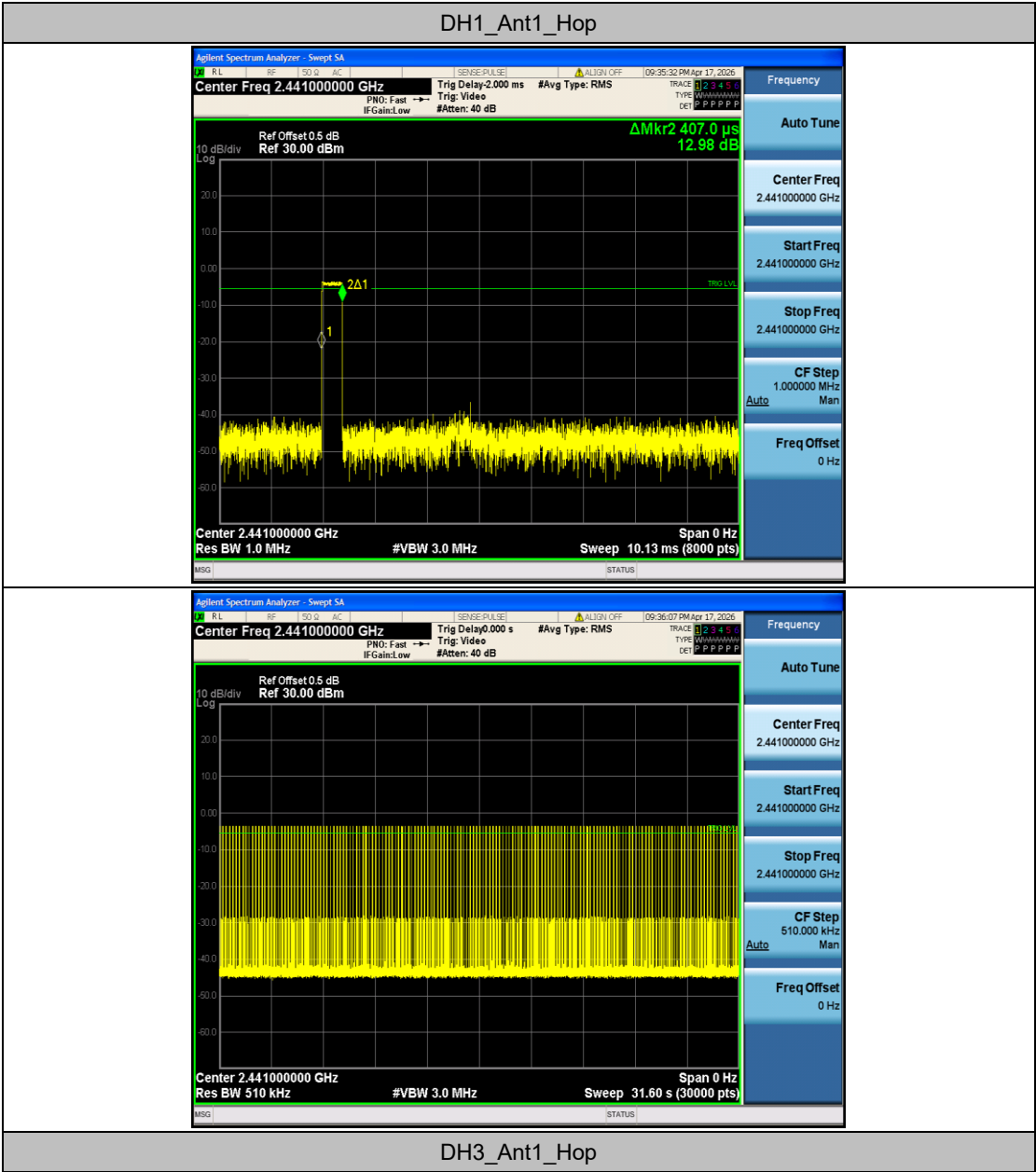


Appendix E: Time of occupancy

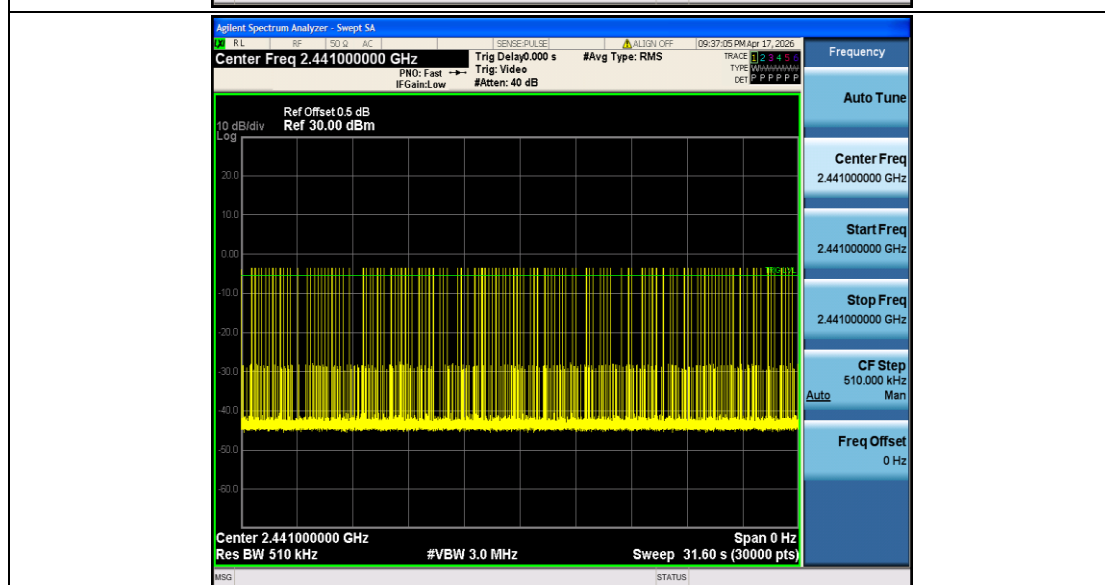
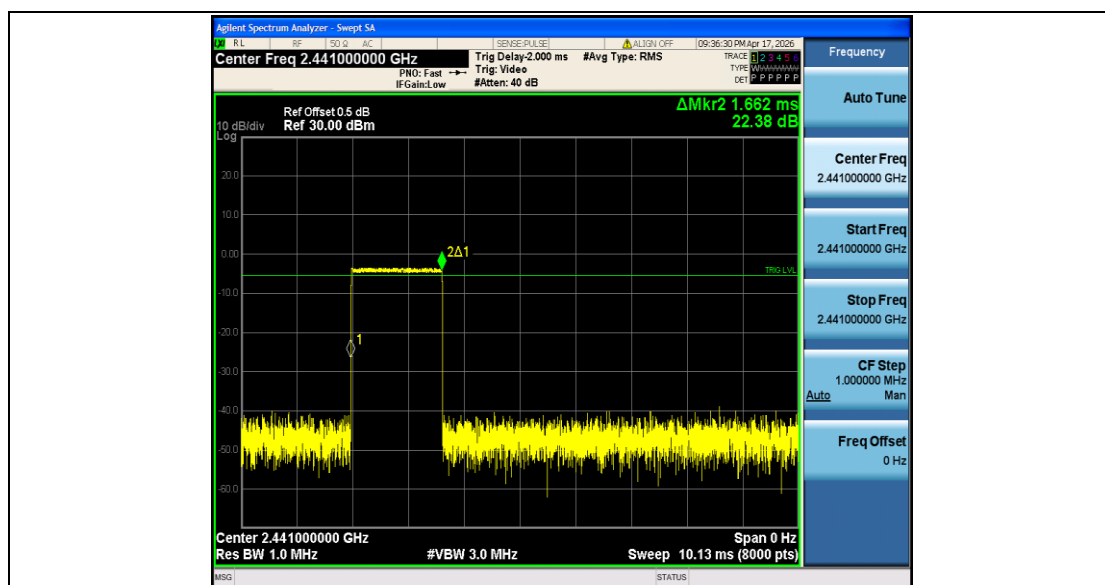
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	319	0.13	≤0.4	PASS
DH3	Ant1	Hop	1.662	165	0.274	≤0.4	PASS
DH5	Ant1	Hop	2.910	124	0.361	≤0.4	PASS
2DH1	Ant1	Hop	0.415	318	0.132	≤0.4	PASS
2DH3	Ant1	Hop	1.667	153	0.255	≤0.4	PASS
2DH5	Ant1	Hop	2.915	109	0.318	≤0.4	PASS
3DH1	Ant1	Hop	0.415	317	0.132	≤0.4	PASS
3DH3	Ant1	Hop	1.666	164	0.273	≤0.4	PASS
3DH5	Ant1	Hop	2.917	118	0.344	≤0.4	PASS

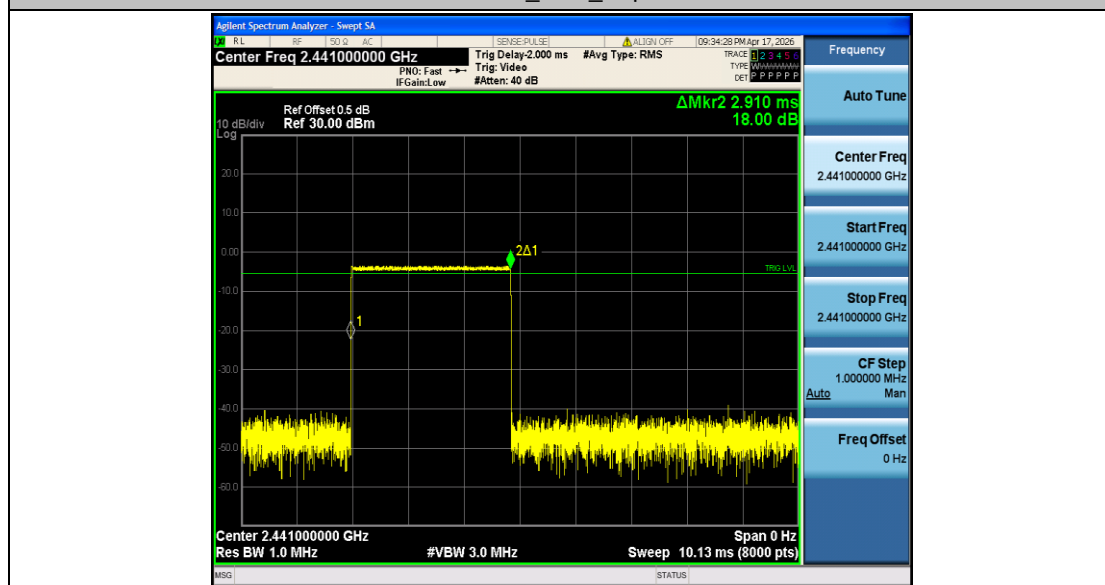
Test Graphs

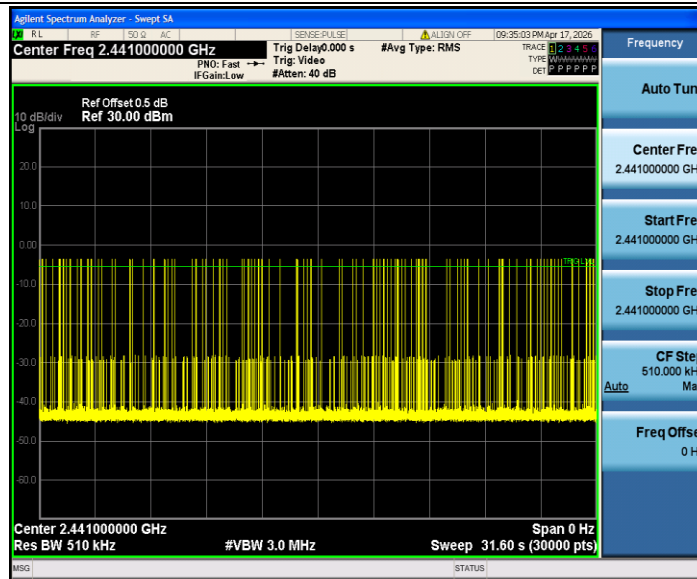


DH3_Ant1_Hop

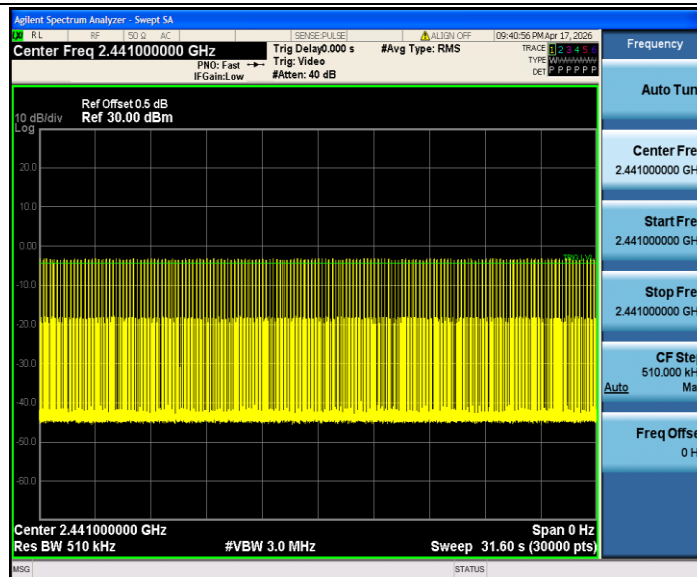
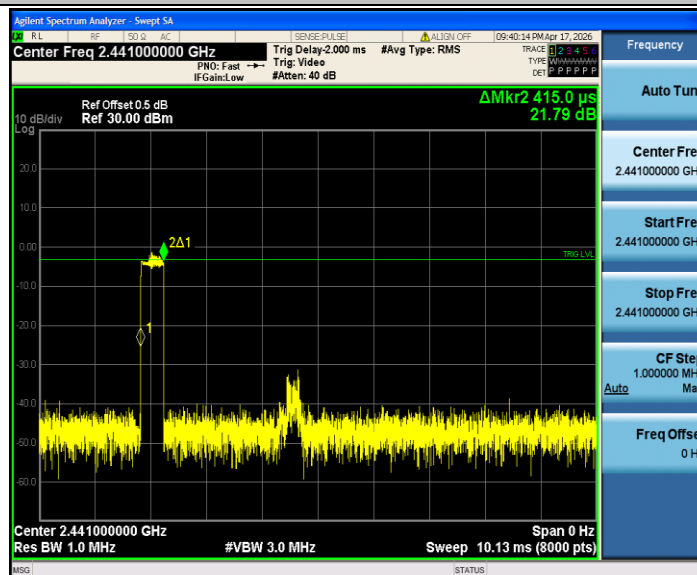


DH5_Ant1_Hop

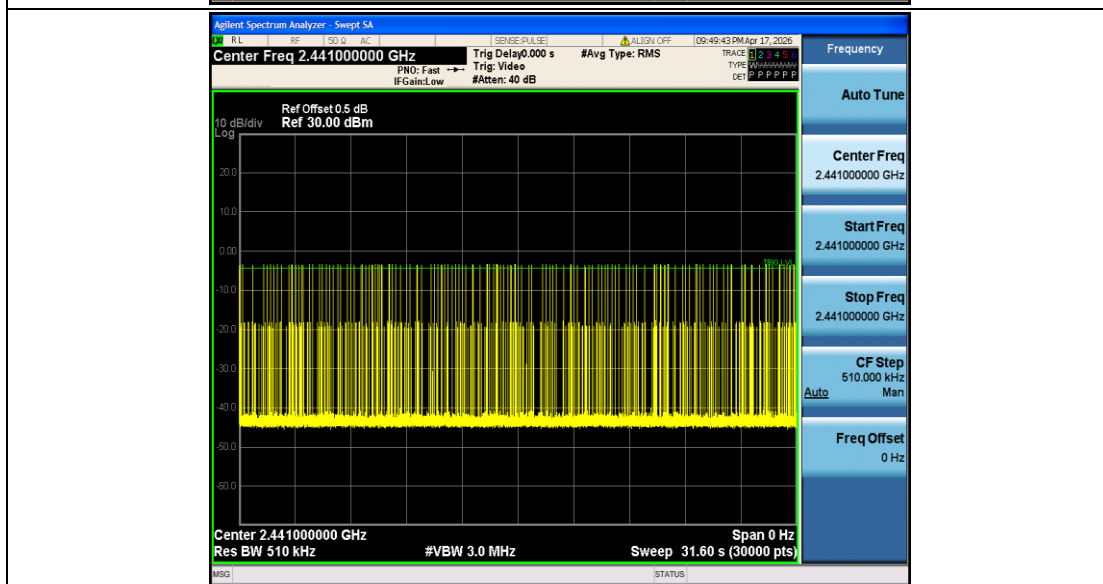
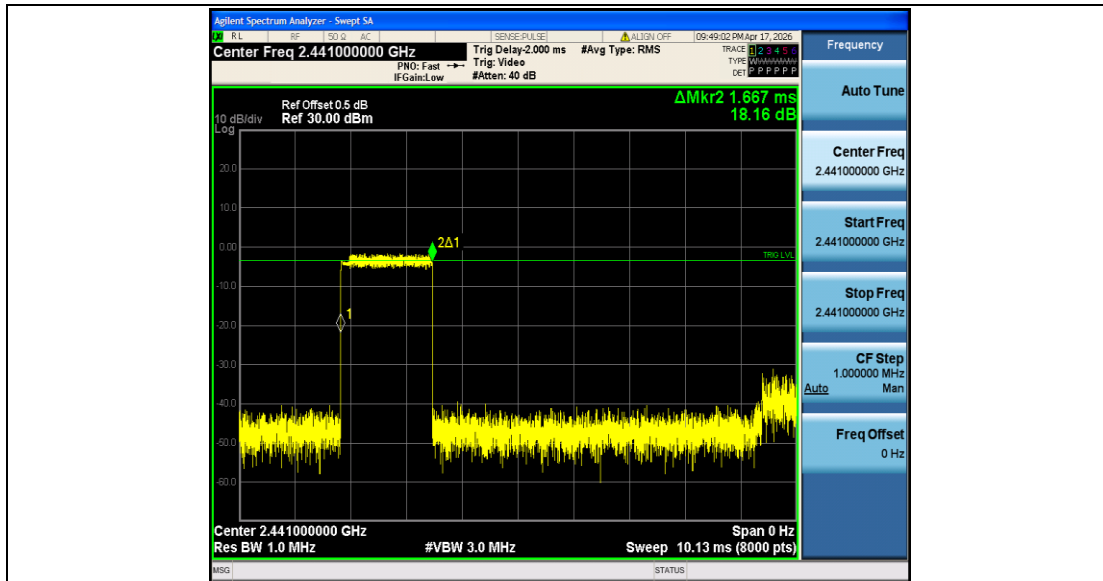




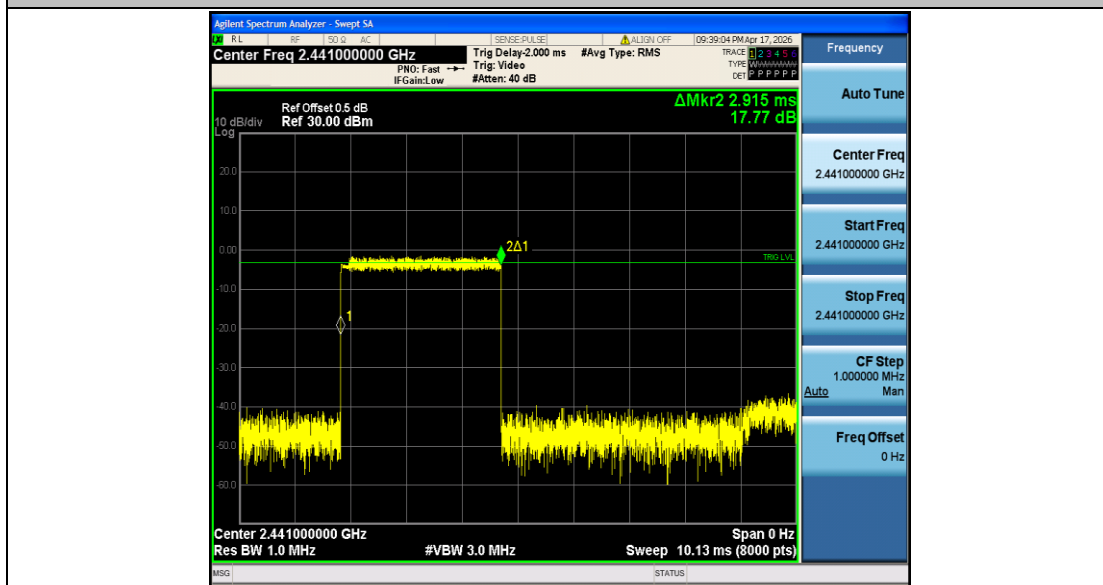
2DH1_Ant1_Hop

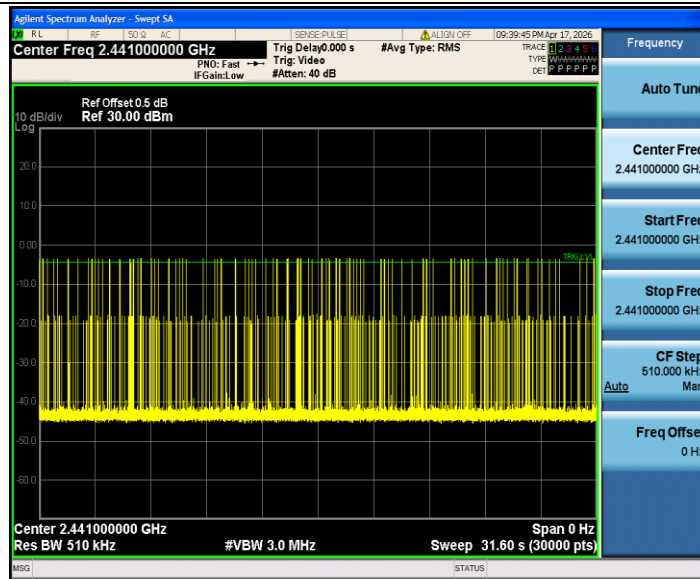


2DH3_Ant1_Hop

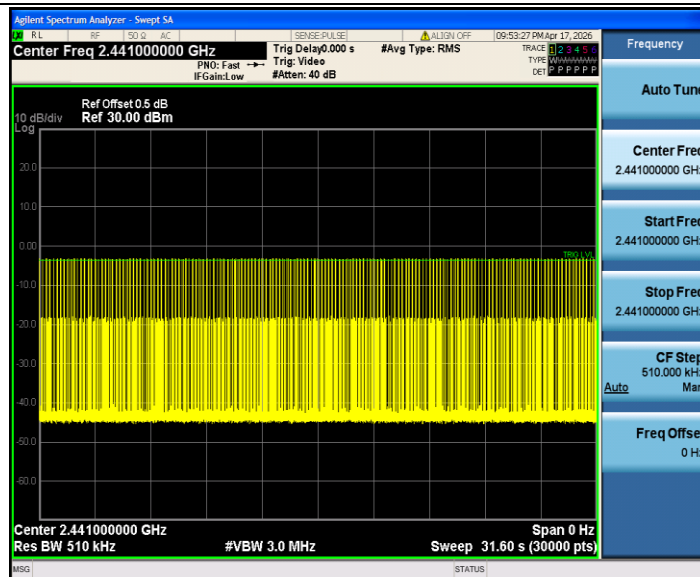
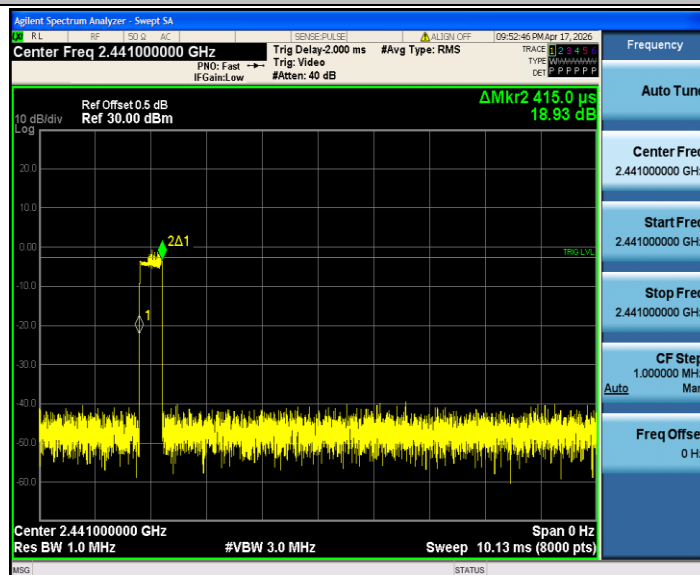


2DH5_Ant1_Hop

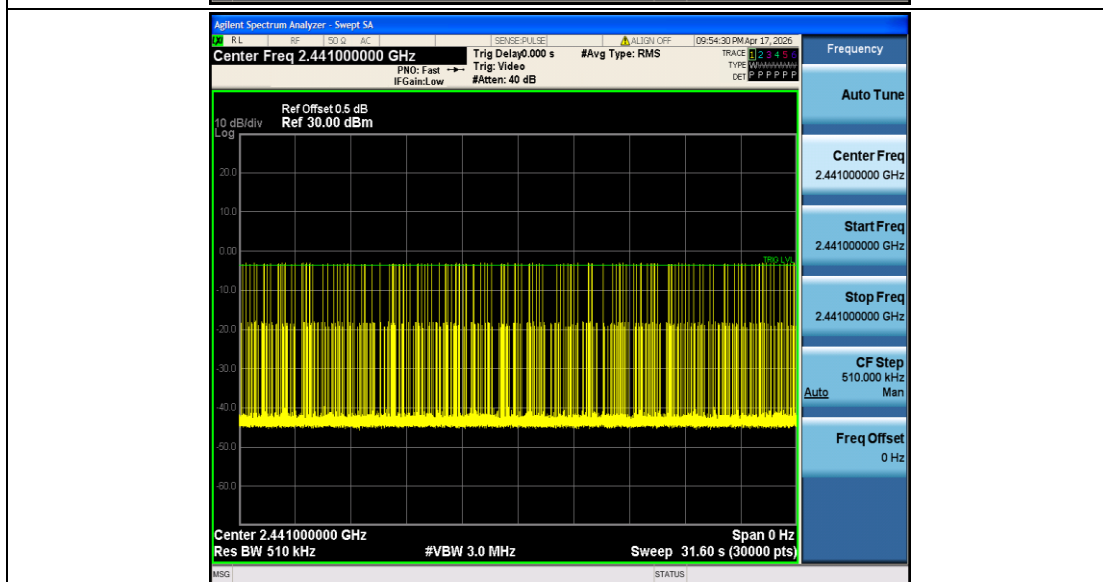
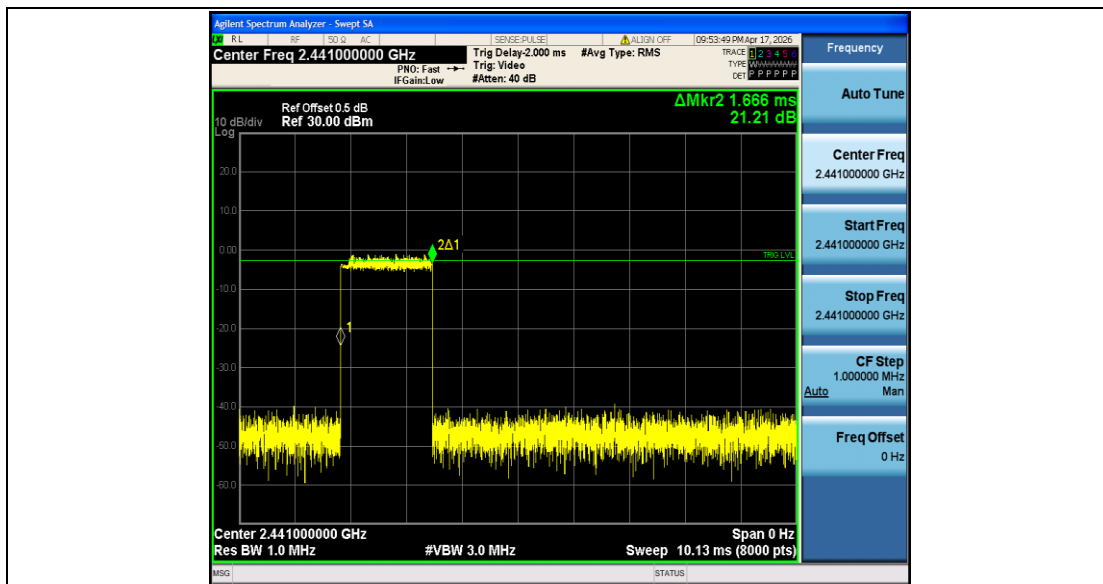




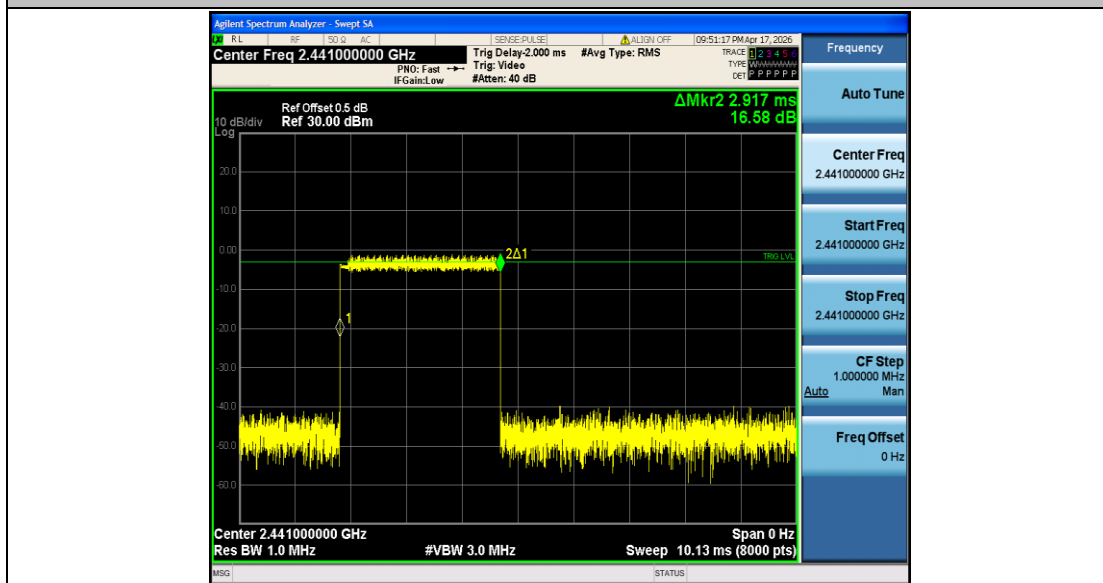
3DH1_Ant1_Hop

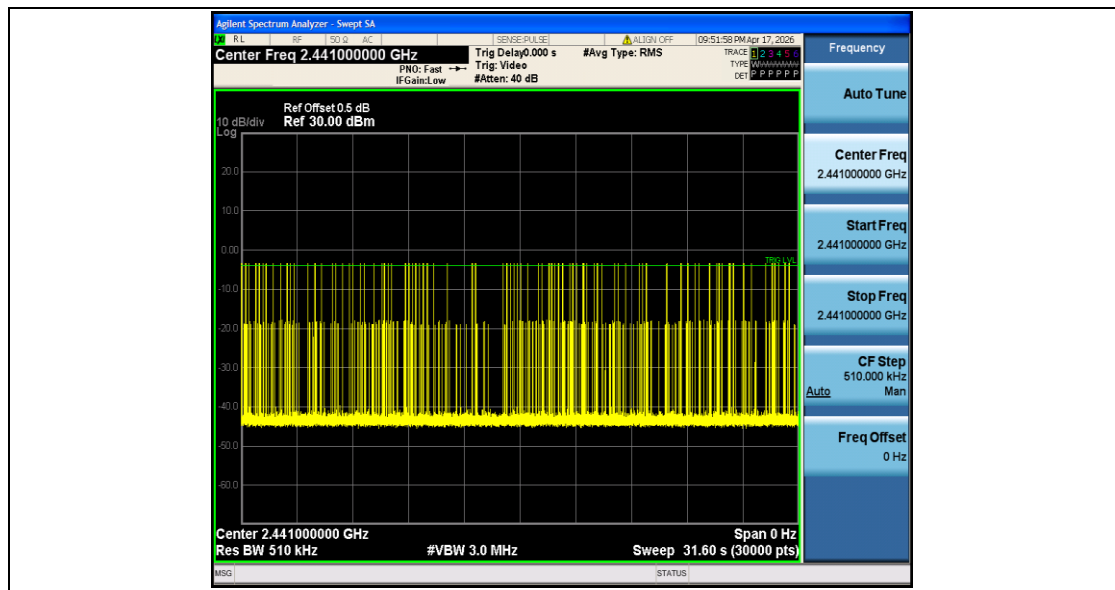


3DH3_Ant1_Hop



3DH5_Ant1_Hop



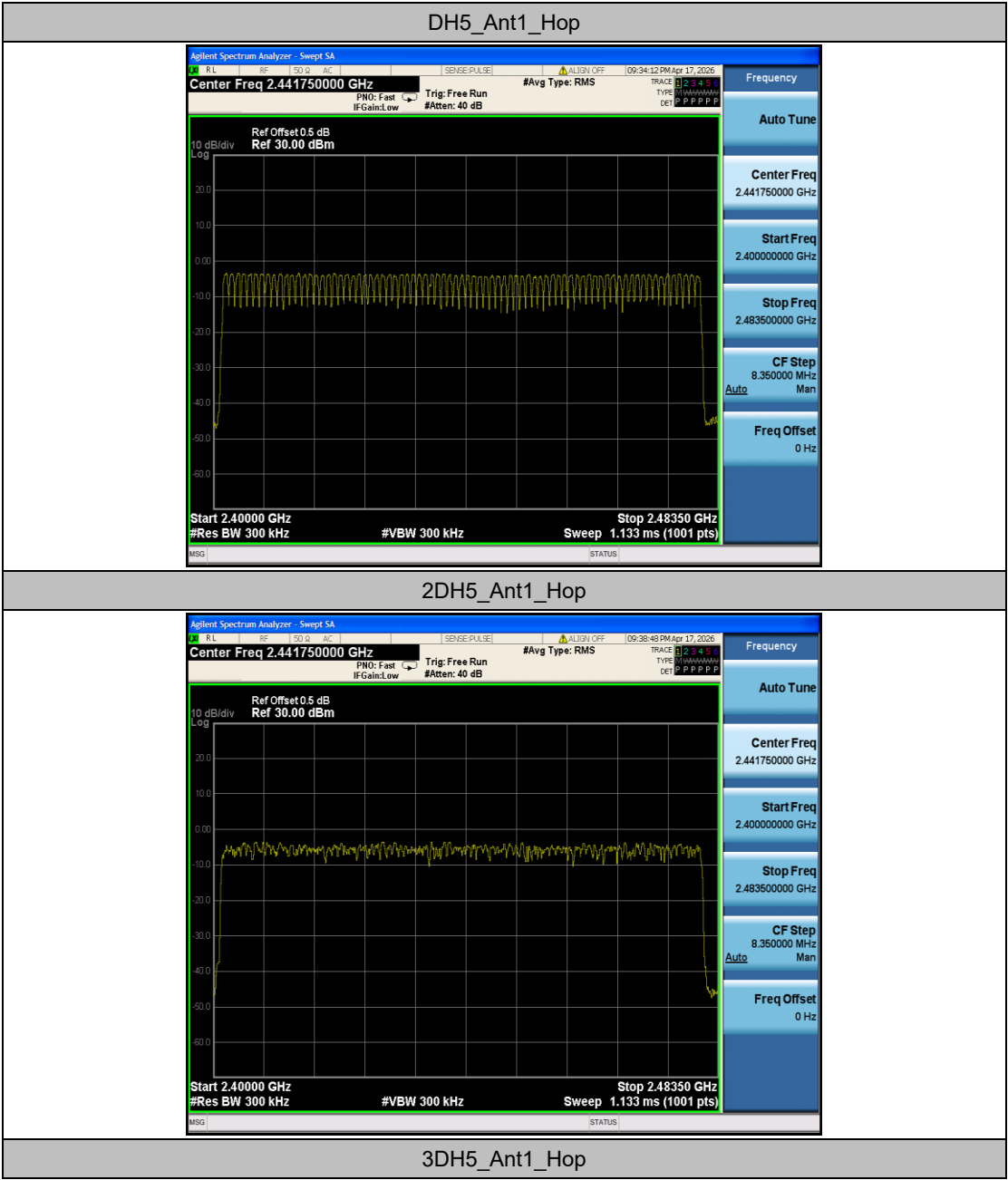


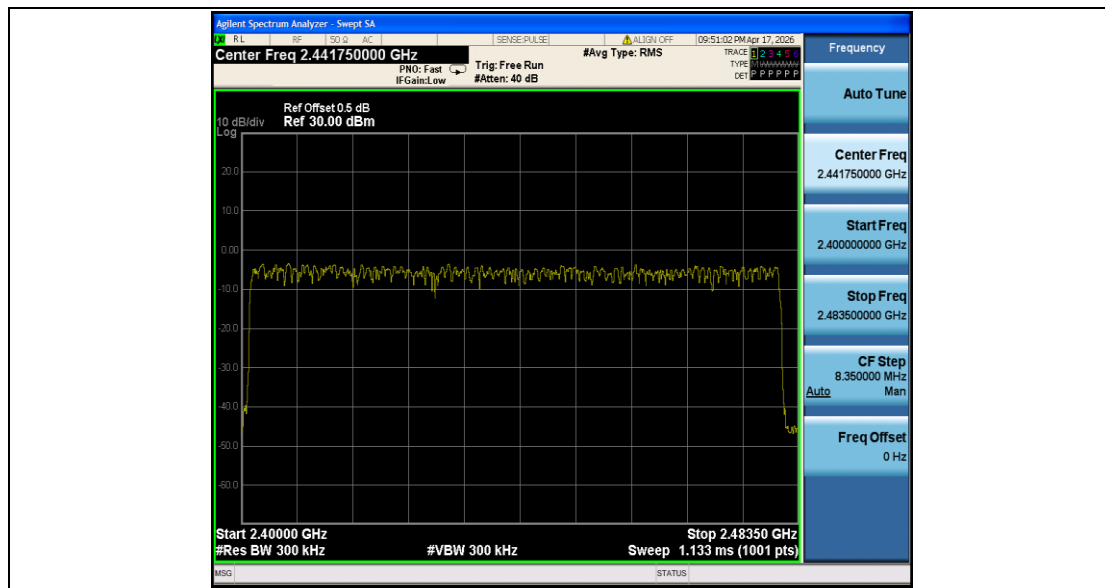
Appendix F: Number of hopping channels

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



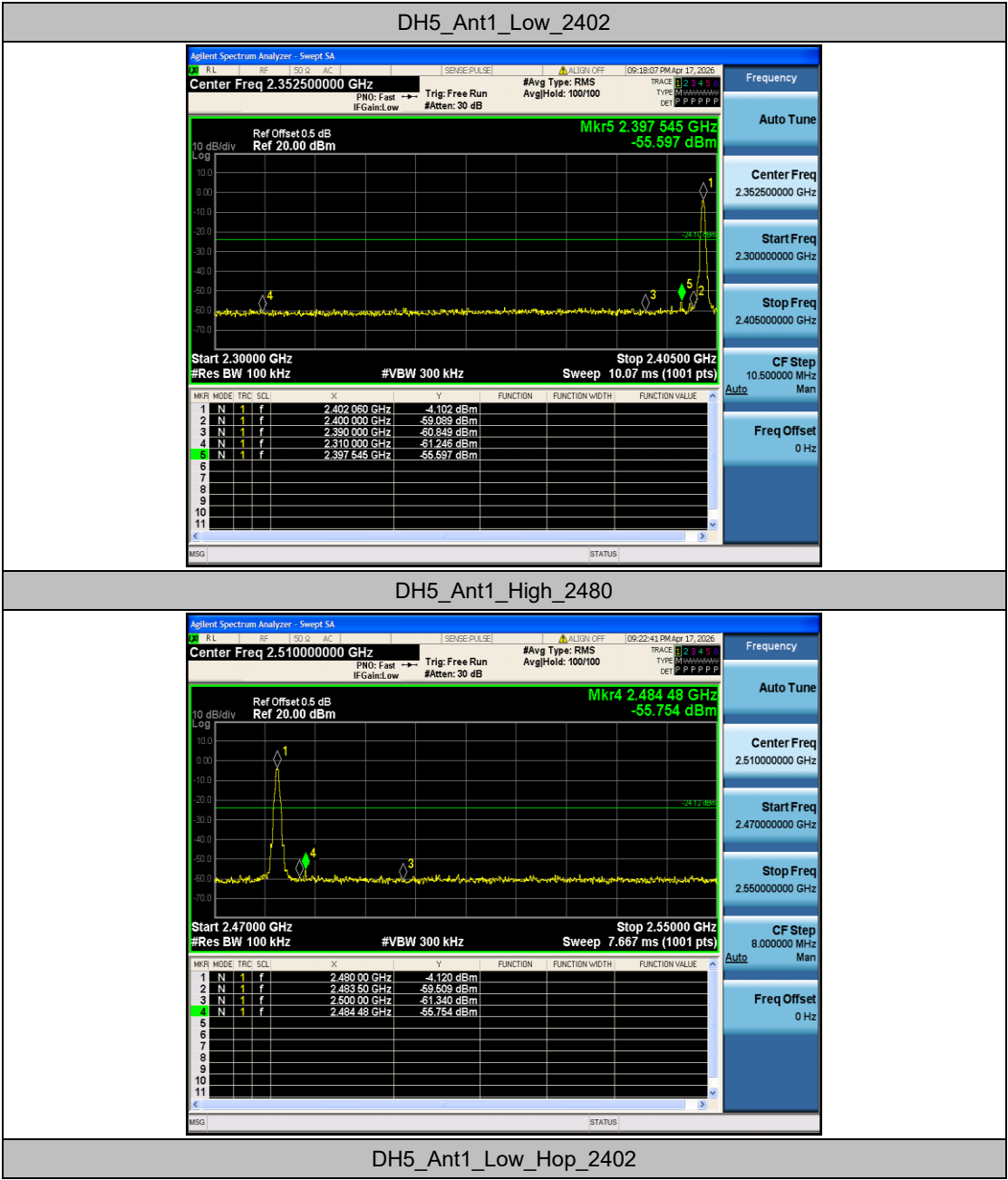


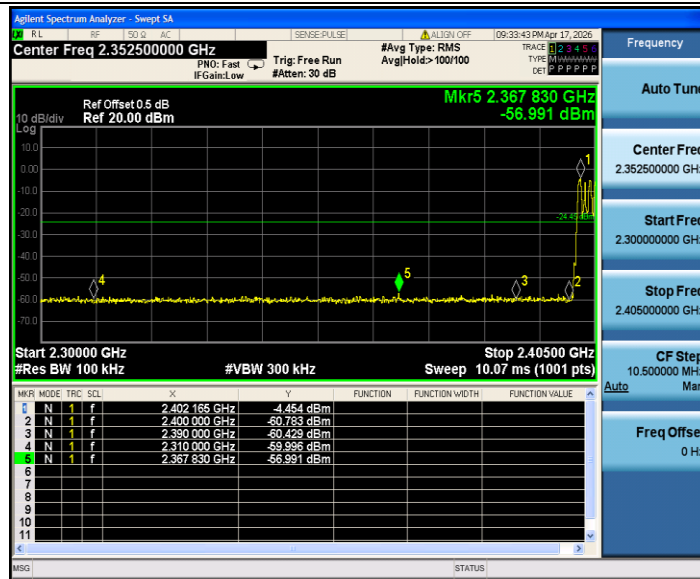
Appendix G: Band edge measurements

Test Result

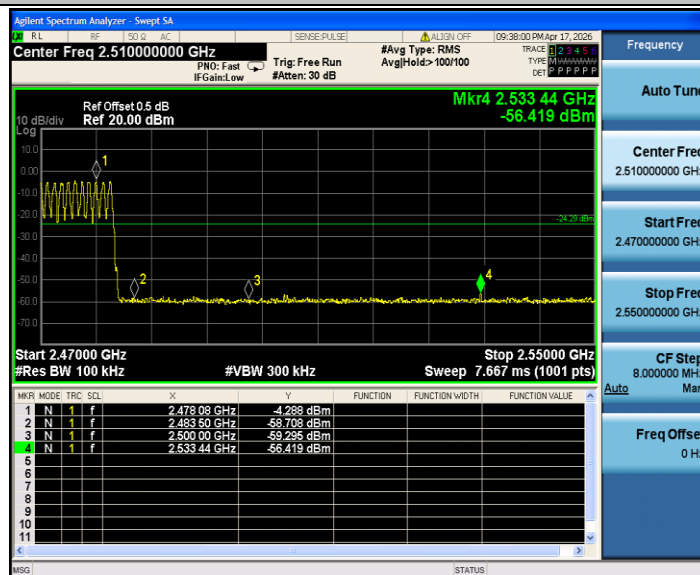
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.10	-55.6	≤-24.1	PASS
		High	2480	-4.12	-55.75	≤-24.12	PASS
		Low	Hop_2402	-4.45	-56.99	≤-24.45	PASS
		High	Hop_2480	-4.29	-56.42	≤-24.29	PASS
2DH5	Ant1	Low	2402	-4.46	-57.56	≤-24.46	PASS
		High	2480	-4.46	-58.01	≤-24.46	PASS
		Low	Hop_2402	-6.56	-56.51	≤-26.56	PASS
		High	Hop_2480	-4.77	-56.88	≤-24.77	PASS
3DH5	Ant1	Low	2402	-4.26	-57.92	≤-24.26	PASS
		High	2480	-3.67	-56.46	≤-23.67	PASS
		Low	Hop_2402	-6.06	-57.28	≤-26.06	PASS
		High	Hop_2480	-3.65	-57.36	≤-23.65	PASS

Test Graphs





DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402

