

FCC Appendix RF Test Data for BT

FCC ID : 2BDD5-V6MAX

Company : Shenzhen SHOCII Technology Co, Ltd

EUT : Smart Glasses

Model Number : V6 Max

Report No. : CTA26010800101

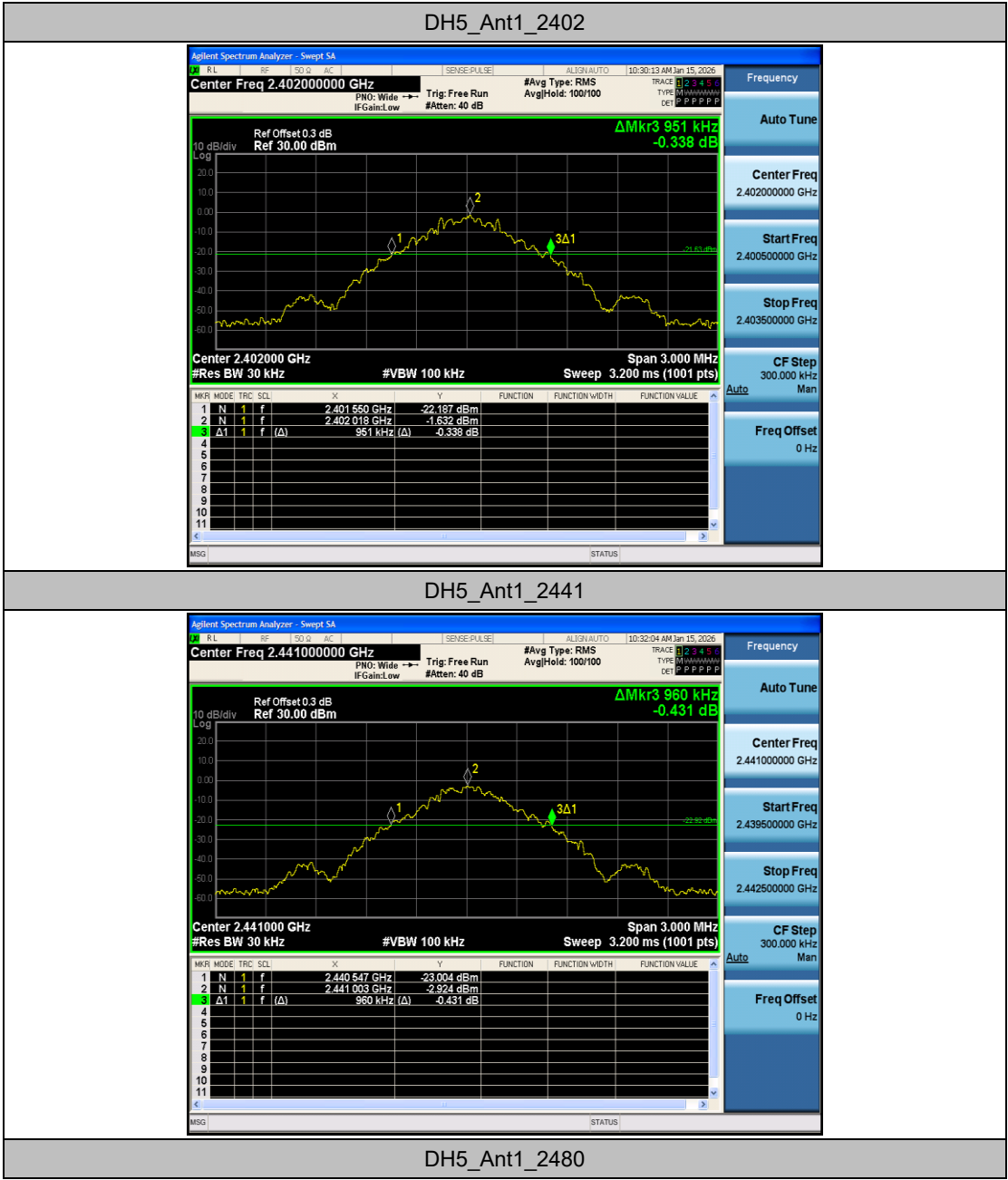
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.550	2402.501	---	---
		2441	0.960	2440.547	2441.507	---	---
		2480	0.969	2479.541	2480.510	---	---
2DH5	Ant1	2402	1.320	2401.352	2402.672	---	---
		2441	1.347	2440.337	2441.684	---	---
		2480	1.365	2479.331	2480.696	---	---
3DH5	Ant1	2402	1.347	2401.337	2402.684	---	---
		2441	1.335	2440.340	2441.675	---	---
		2480	1.287	2479.379	2480.666	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

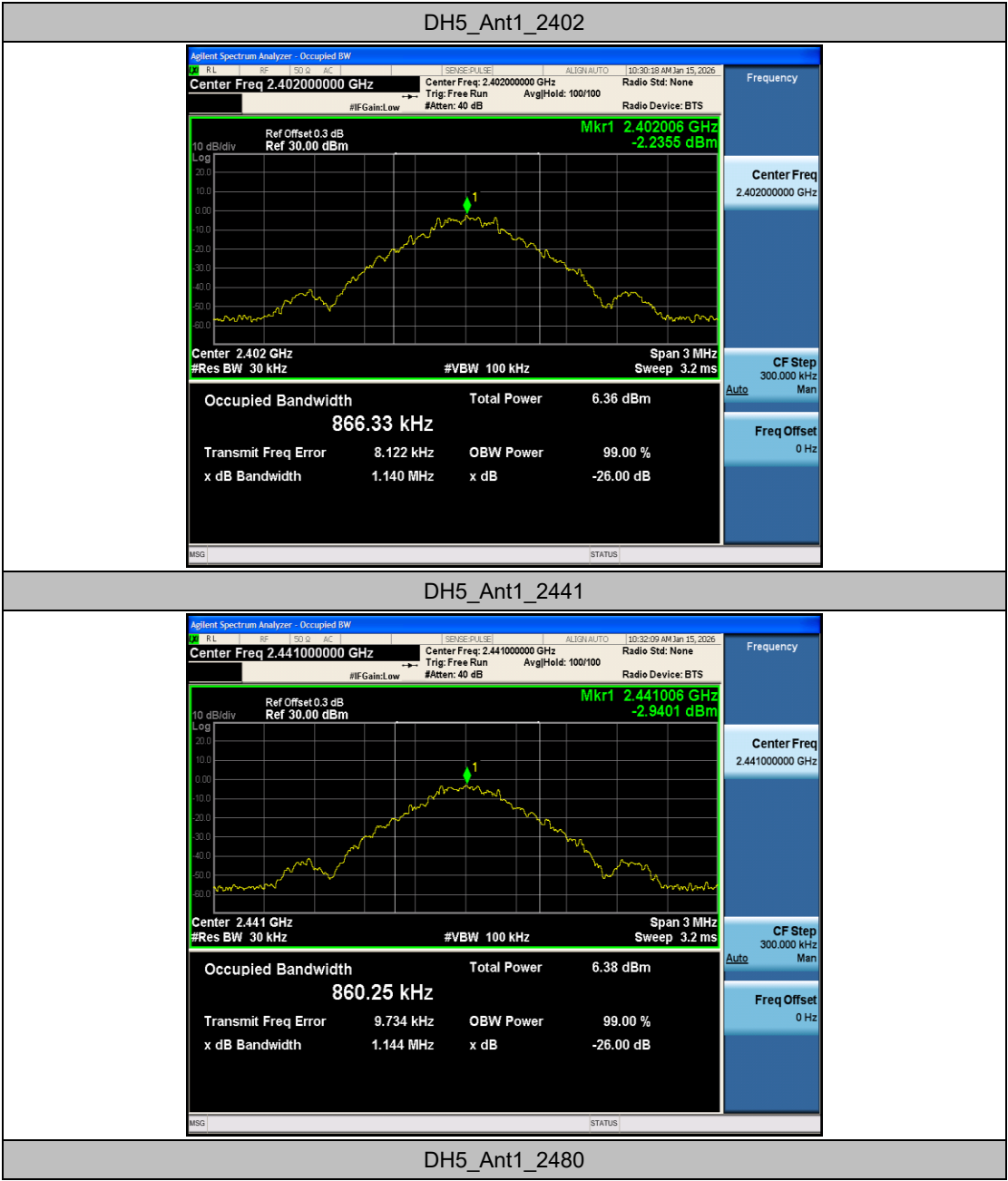


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86633	2401.5750	2402.4413	---	---
		2441	0.86025	2440.5796	2441.4399	---	---
		2480	0.85859	2479.5818	2480.4404	---	---
2DH5	Ant1	2402	1.1842	2401.4165	2402.6007	---	---
		2441	1.1946	2440.4134	2441.6080	---	---
		2480	1.1864	2479.4186	2480.6050	---	---
3DH5	Ant1	2402	1.1882	2401.4170	2402.6052	---	---
		2441	1.1810	2440.4245	2441.6055	---	---
		2480	1.1828	2479.4207	2480.6035	---	---

Test Graphs





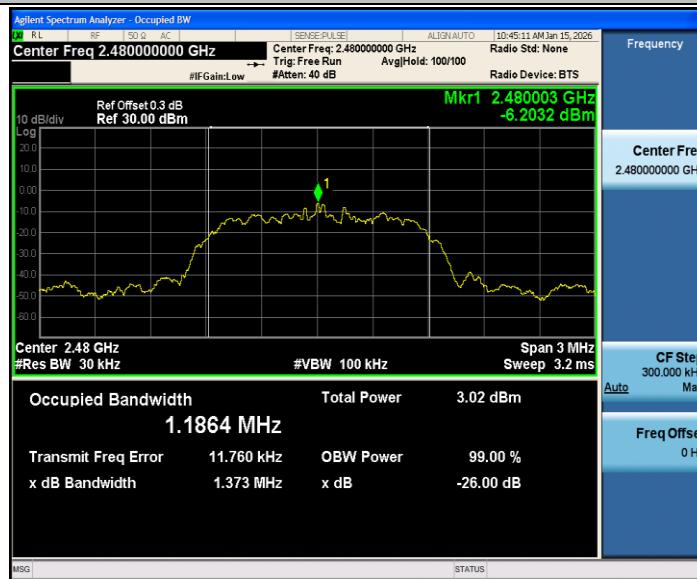
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Left:

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.11	≤20.97	PASS
		2441	-0.18	≤20.97	PASS
		2480	-0.16	≤20.97	PASS
2DH5	Ant1	2402	-0.77	≤20.97	PASS
		2441	-1.05	≤20.97	PASS
		2480	-1.00	≤20.97	PASS
3DH5	Ant1	2402	-0.74	≤20.97	PASS
		2441	-1.04	≤20.97	PASS
		2480	-1.01	≤20.97	PASS

Right:

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.27	≤20.97	PASS
		2441	-0.24	≤20.97	PASS
		2480	-0.38	≤20.97	PASS
2DH5	Ant1	2402	-0.59	≤20.97	PASS
		2441	-1.34	≤20.97	PASS
		2480	-1.27	≤20.97	PASS
3DH5	Ant1	2402	-0.59	≤20.97	PASS
		2441	-1.16	≤20.97	PASS
		2480	-1.21	≤20.97	PASS

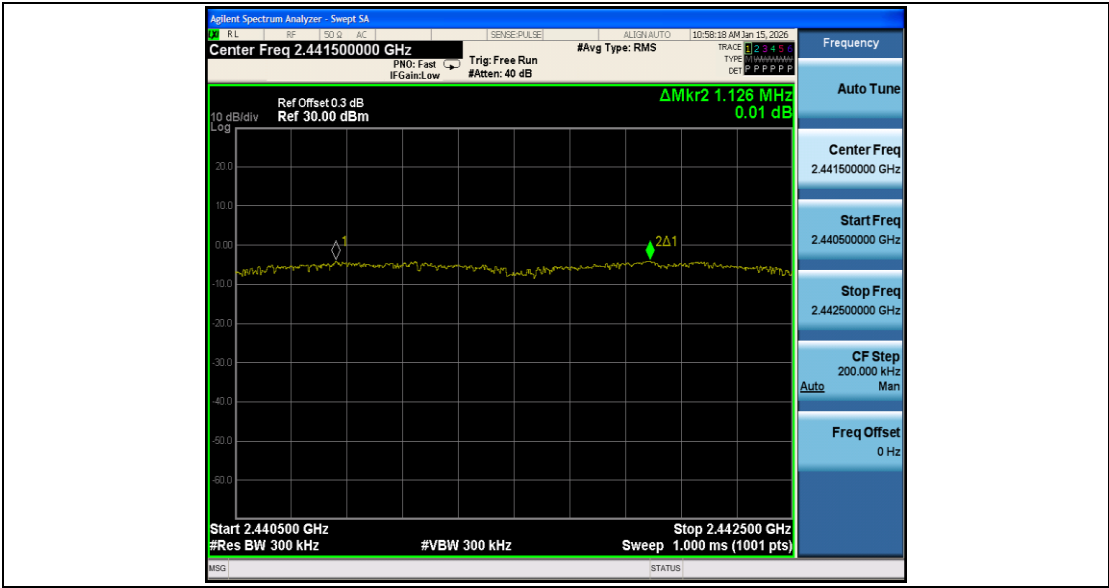
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.002	≥ 0.969	PASS
2DH5	Ant1	Hop	0.99	≥ 0.910	PASS
3DH5	Ant1	Hop	1.126	≥ 0.898	PASS

Test Graphs



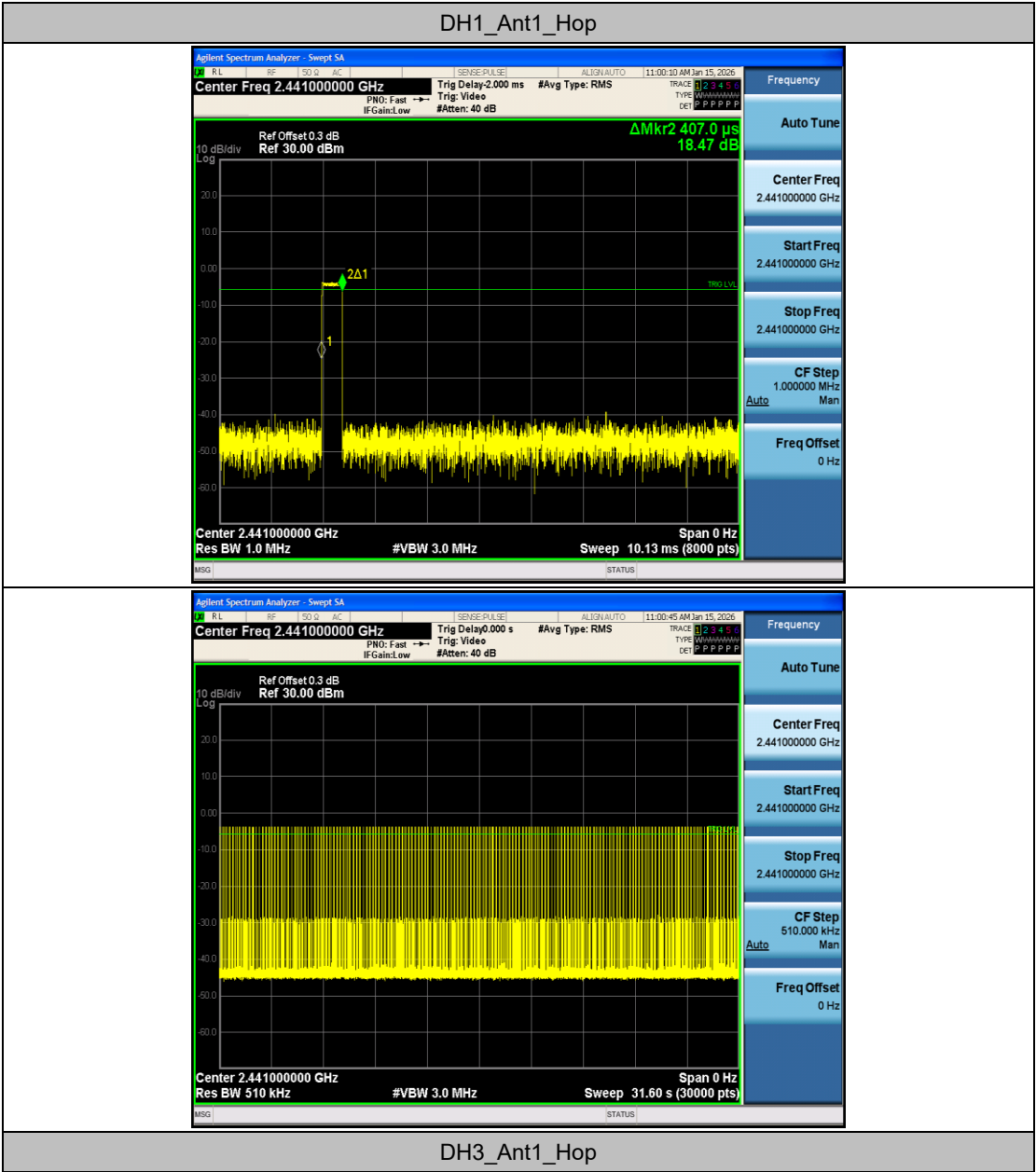


Appendix E: Time of occupancy

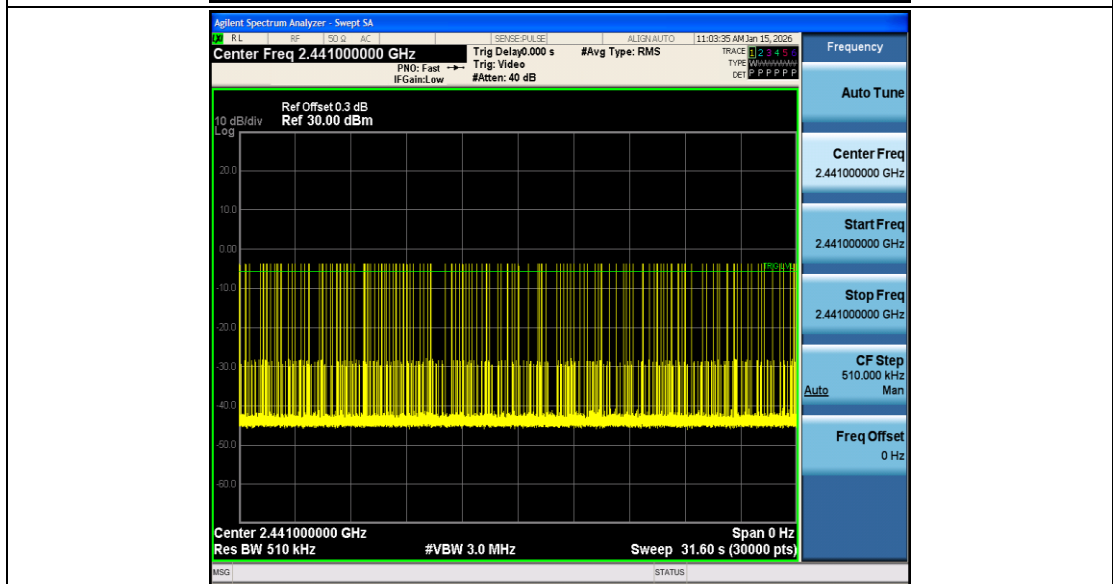
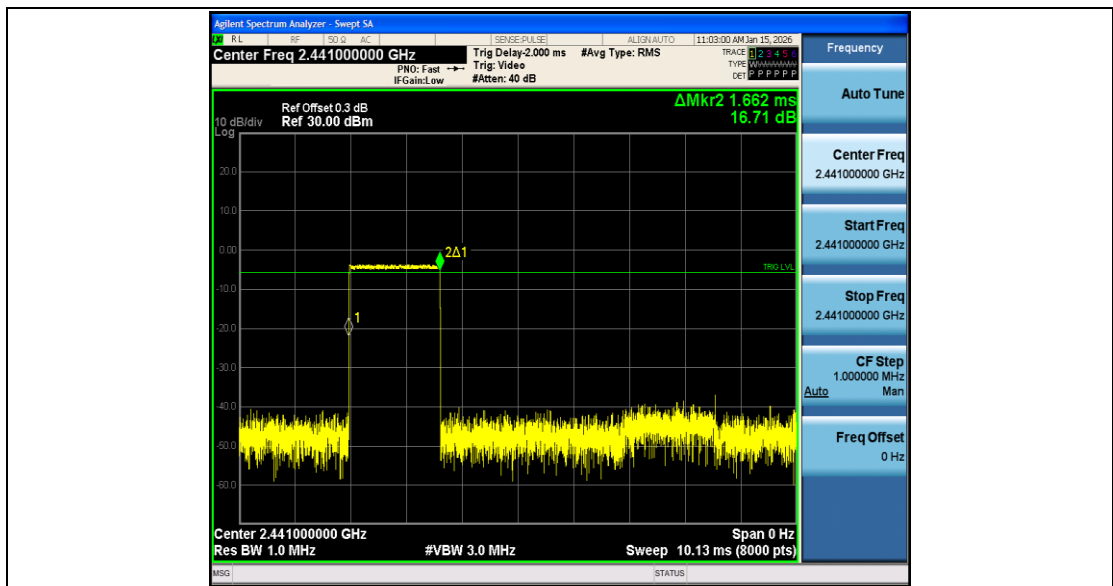
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.407	318	0.129	≤0.4	PASS
DH3	Ant1	Hop	1.662	154	0.256	≤0.4	PASS
DH5	Ant1	Hop	2.910	111	0.323	≤0.4	PASS
2DH1	Ant1	Hop	0.405	319	0.129	≤0.4	PASS
2DH3	Ant1	Hop	1.662	165	0.274	≤0.4	PASS
2DH5	Ant1	Hop	2.916	105	0.306	≤0.4	PASS
3DH1	Ant1	Hop	0.407	319	0.13	≤0.4	PASS
3DH3	Ant1	Hop	1.661	159	0.264	≤0.4	PASS
3DH5	Ant1	Hop	2.916	109	0.318	≤0.4	PASS

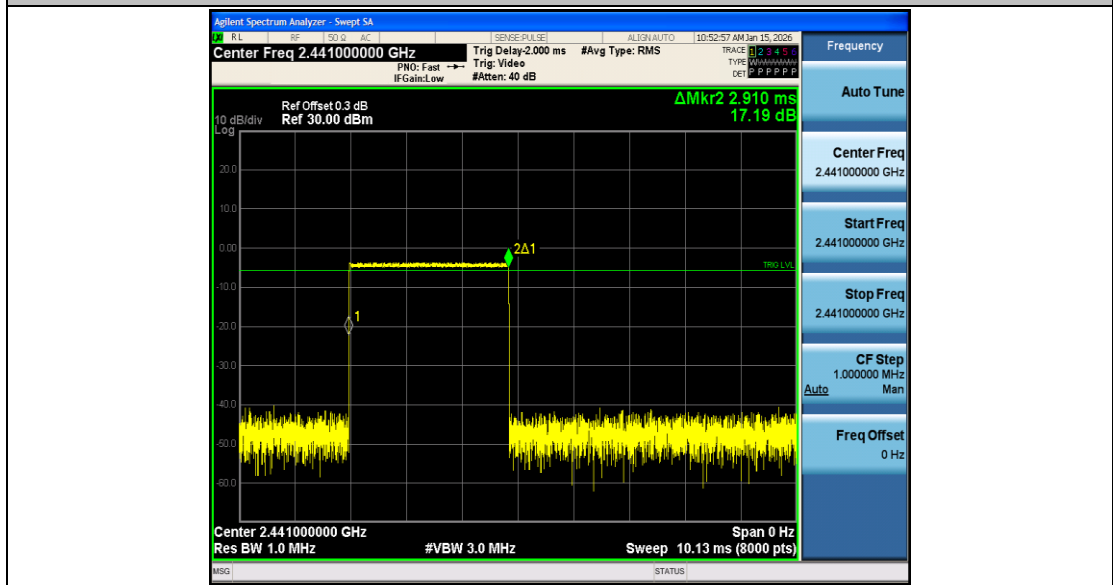
Test Graphs

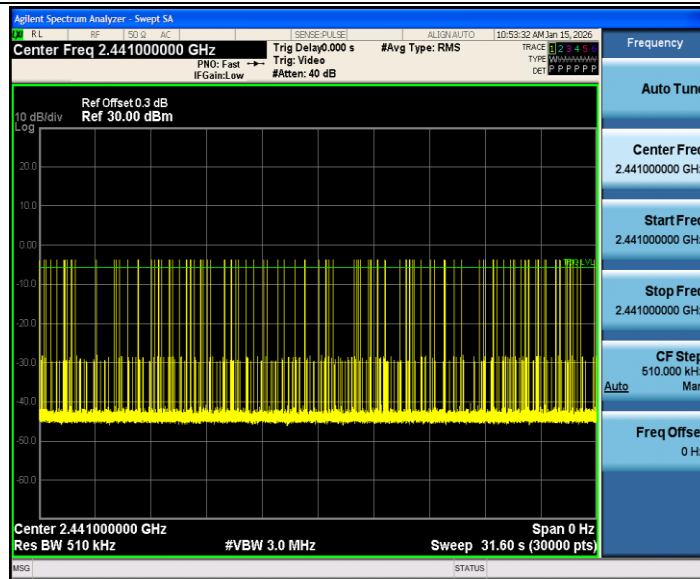


DH3_Ant1_Hop

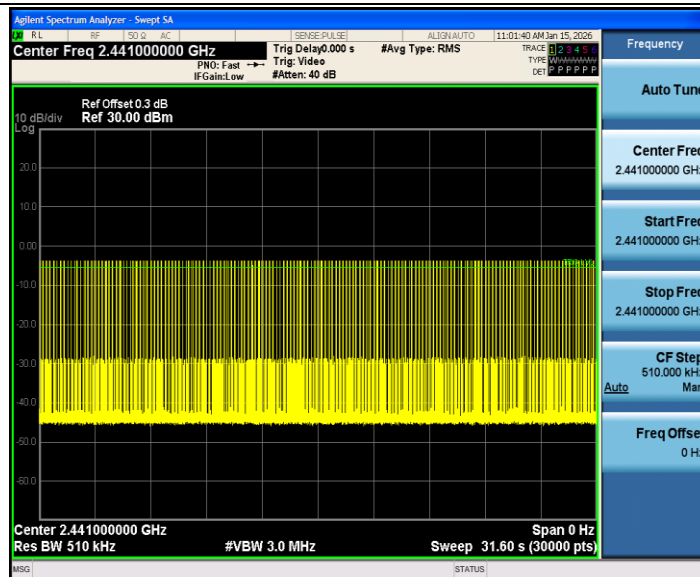
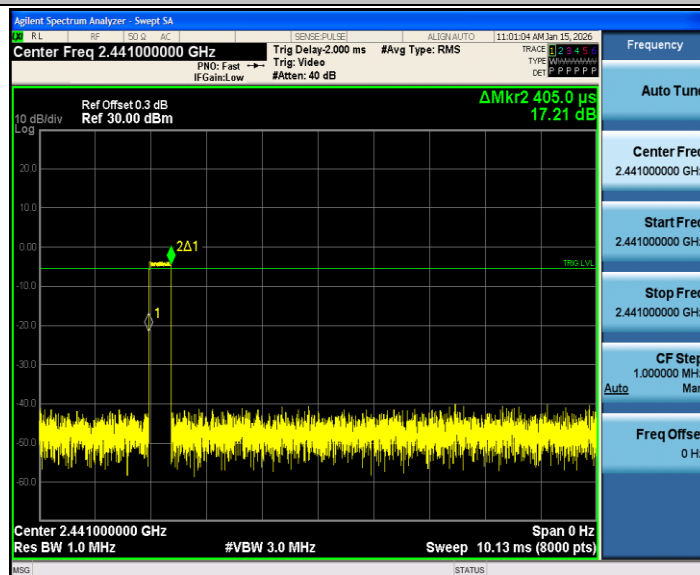


DH5_Ant1_Hop

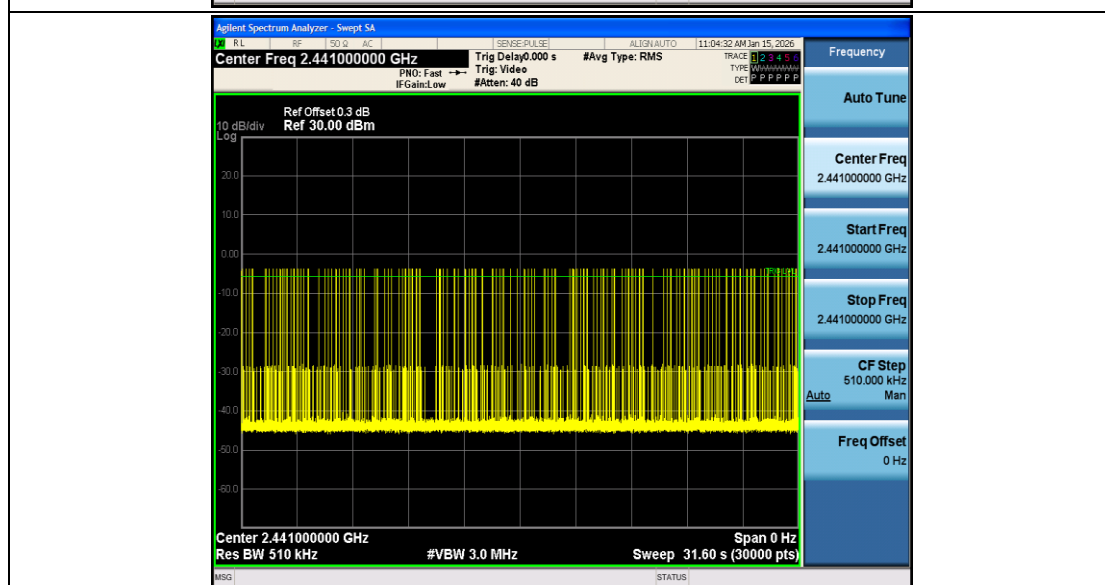
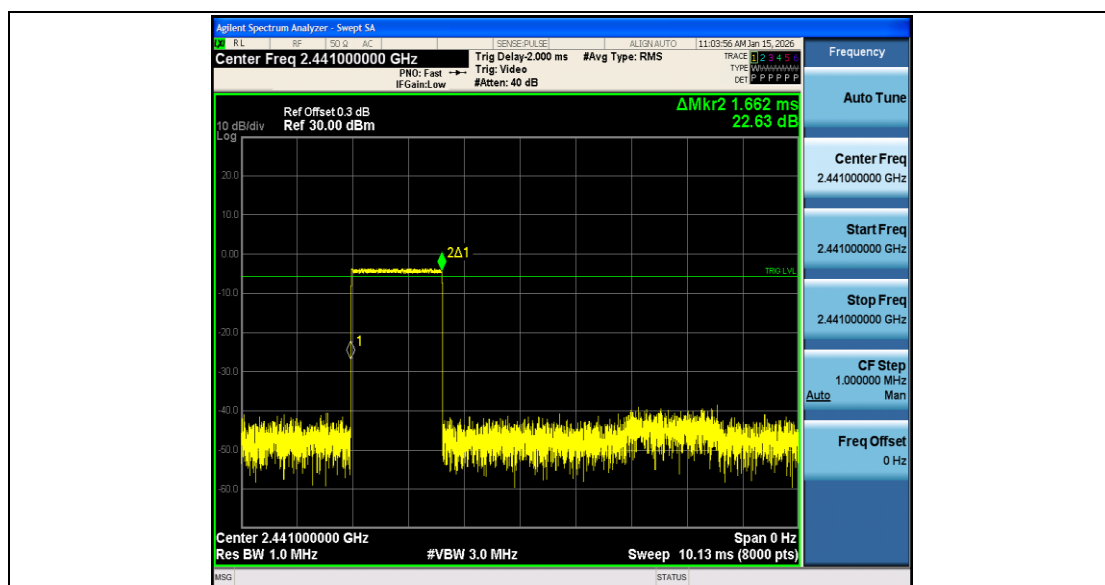




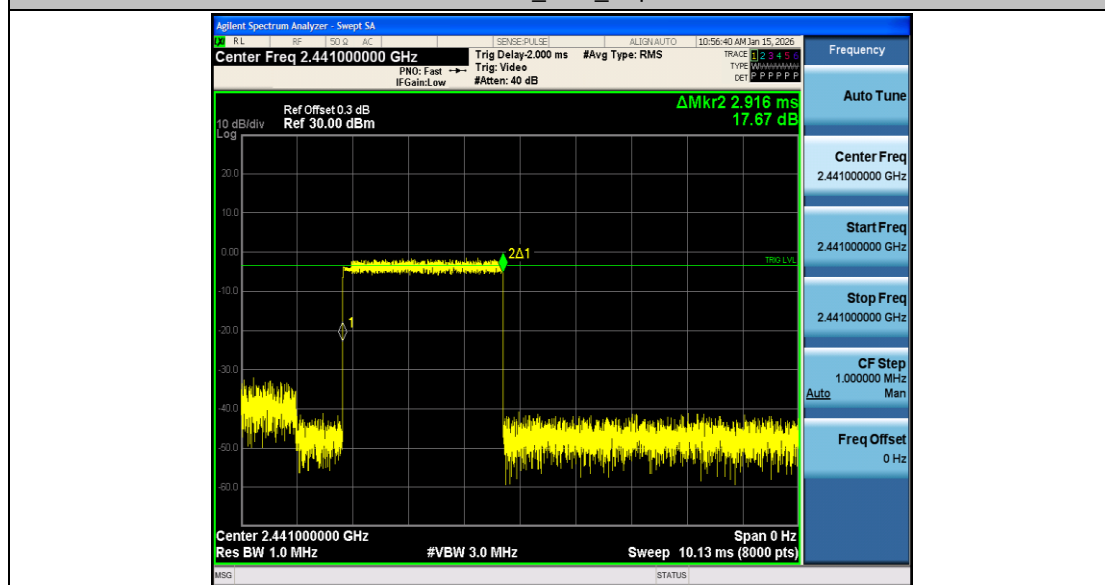
2DH1_Ant1_Hop

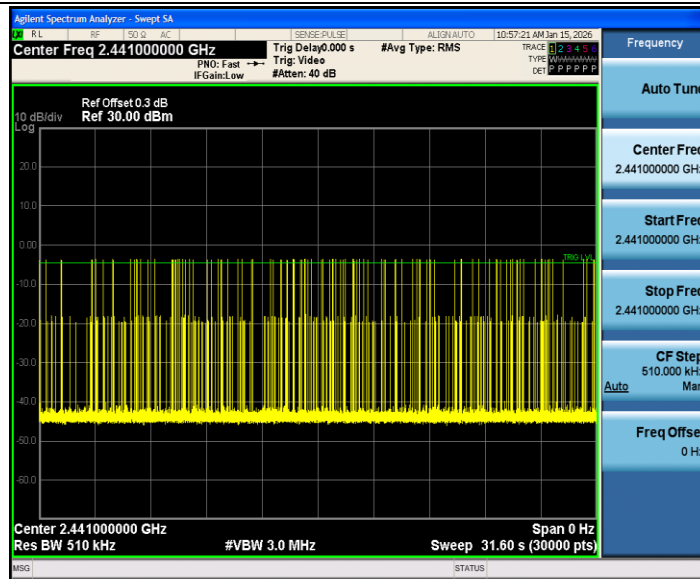


2DH3_Ant1_Hop

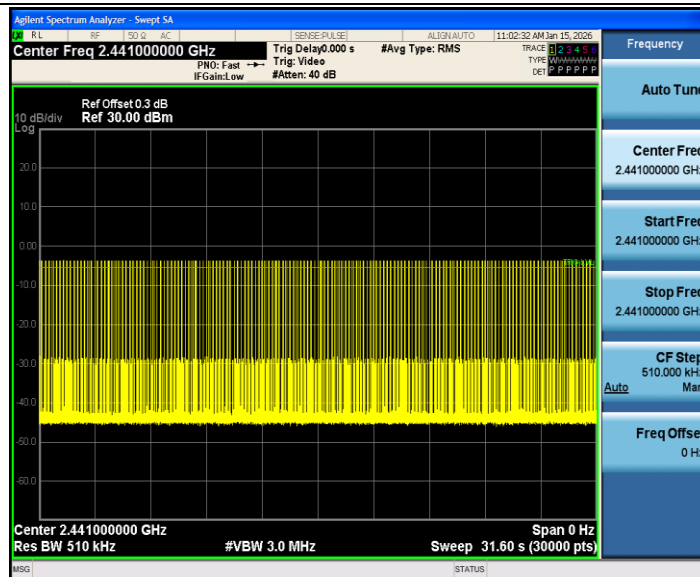
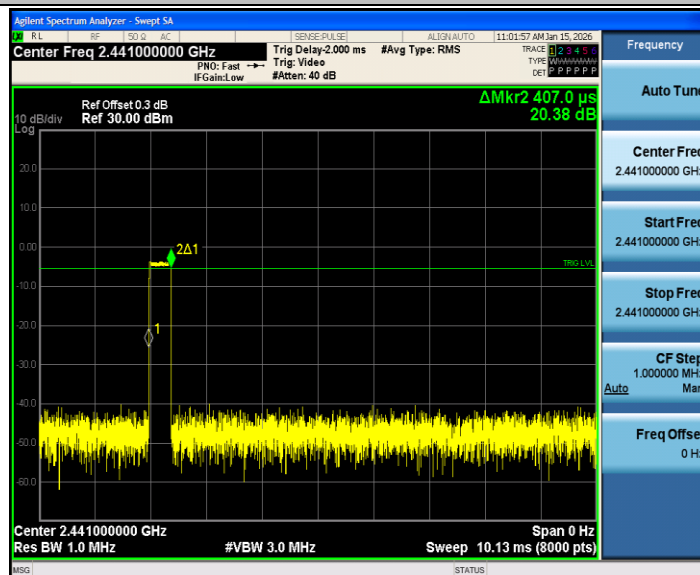


2DH5_Ant1_Hop

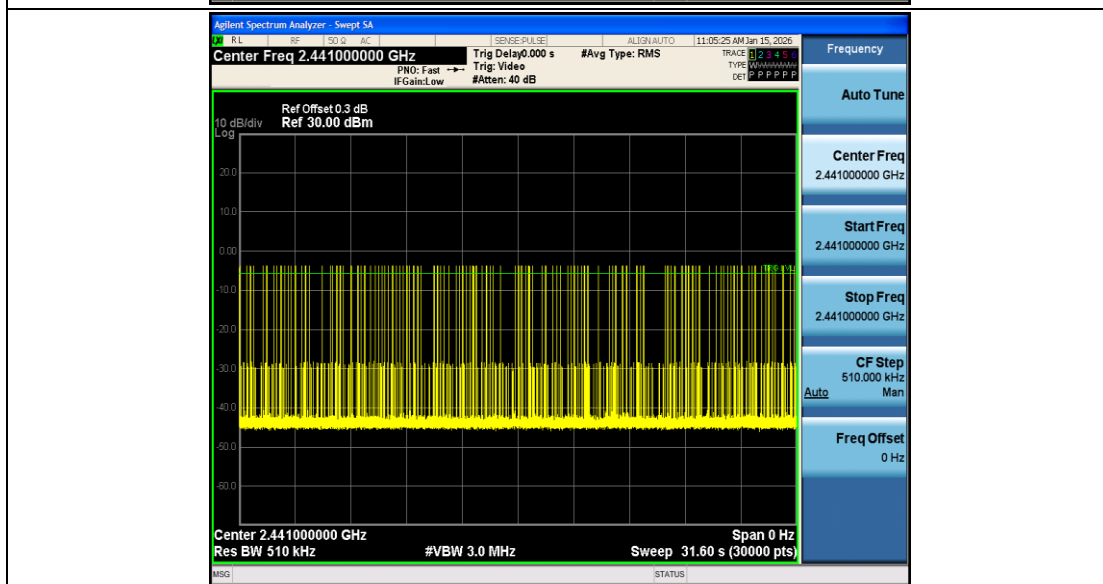
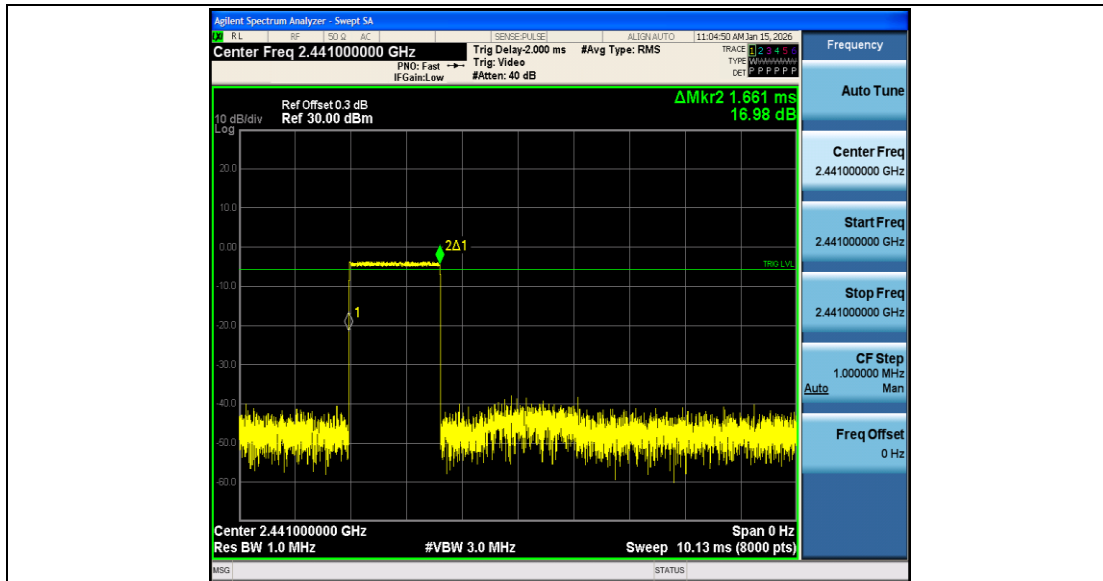




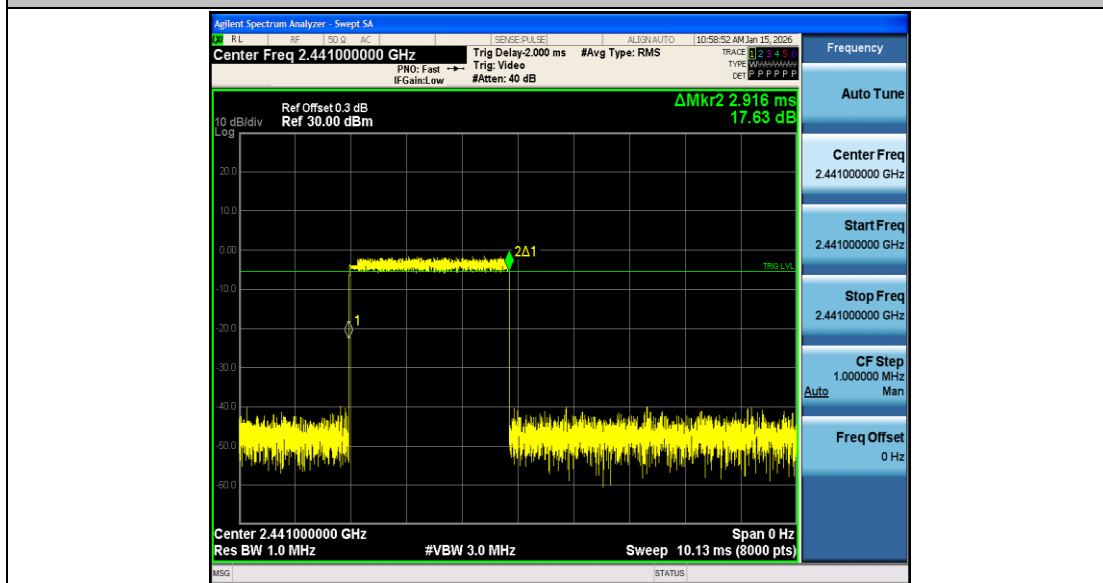
3DH1_Ant1_Hop

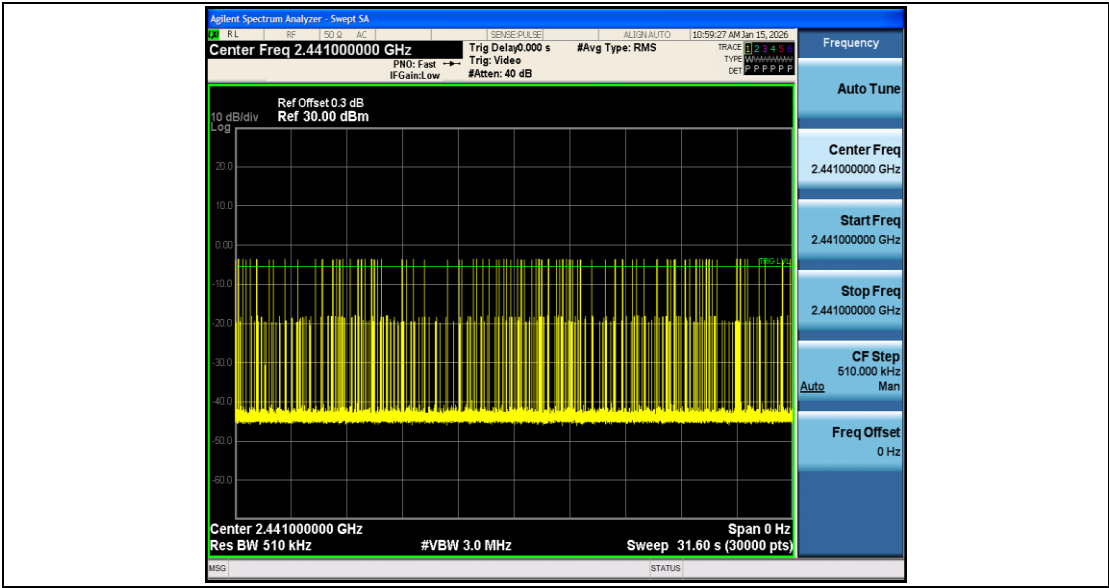


3DH3_Ant1_Hop



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

DH5_Ant1_Hop

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441750000 GHz

Ref Offset 0.3 dB
Ref 30.00 dBm

Start 2.400000 GHz
#Res BW 300 kHz

Stop 2.483500 GHz
#VBW 300 kHz
Sweep 1.133 ms (1001 pts)

Frequency

Auto Tune

Center Freq
2.441750000 GHz

Start Freq
2.400000000 GHz

Stop Freq
2.483500000 GHz

CF Step
8.350000 MHz
Auto

Freq Offset
0 Hz

2DH5_Ant1_Hop

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441750000 GHz

Ref Offset 0.3 dB
Ref 30.00 dBm

Start 2.400000 GHz
#Res BW 300 kHz

Stop 2.483500 GHz
#VBW 300 kHz
Sweep 1.133 ms (1001 pts)

Frequency

Auto Tune

Center Freq
2.441750000 GHz

Start Freq
2.400000000 GHz

Stop Freq
2.483500000 GHz

CF Step
8.350000 MHz
Auto

Freq Offset
0 Hz

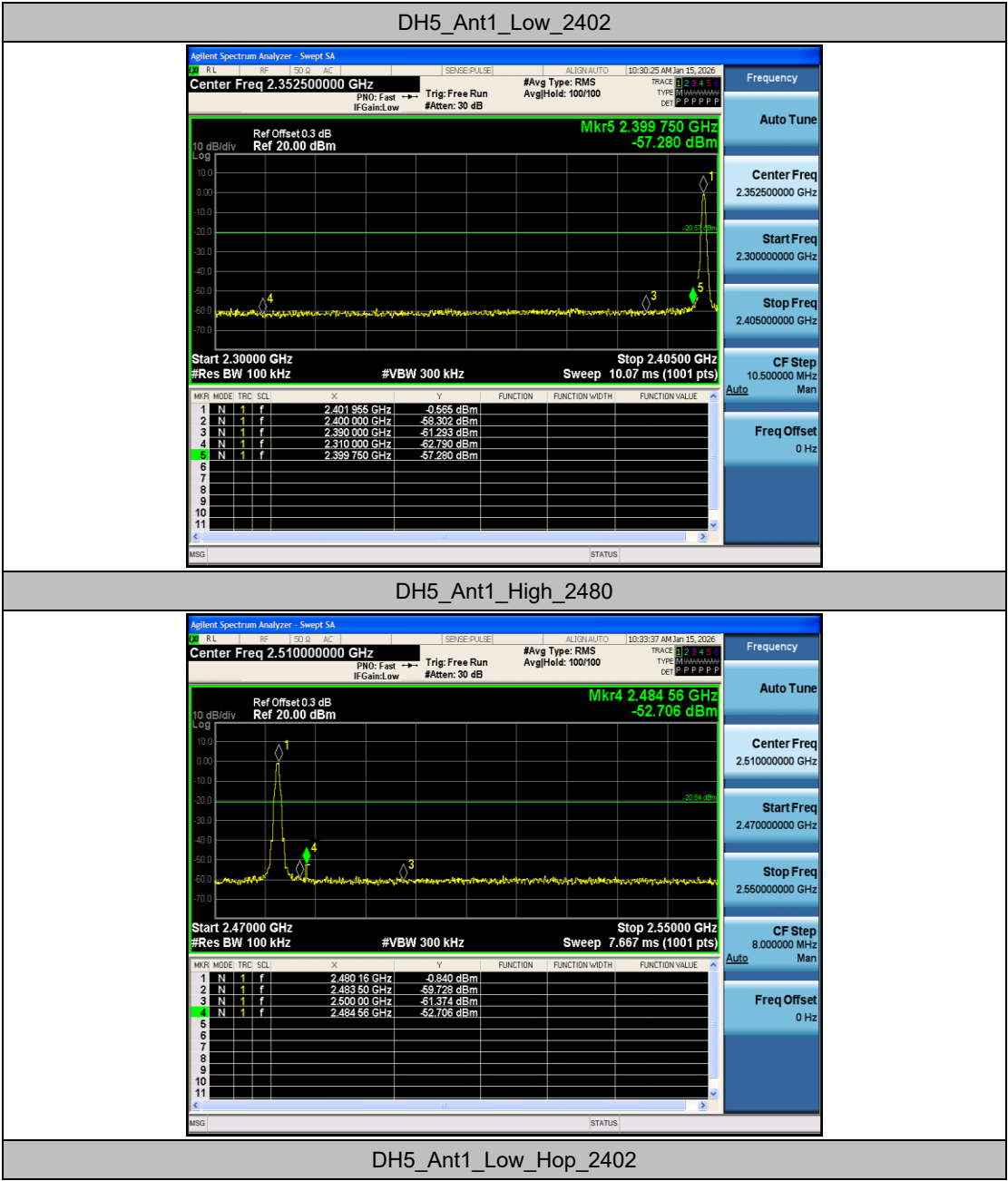
3DH5_Ant1_Hop

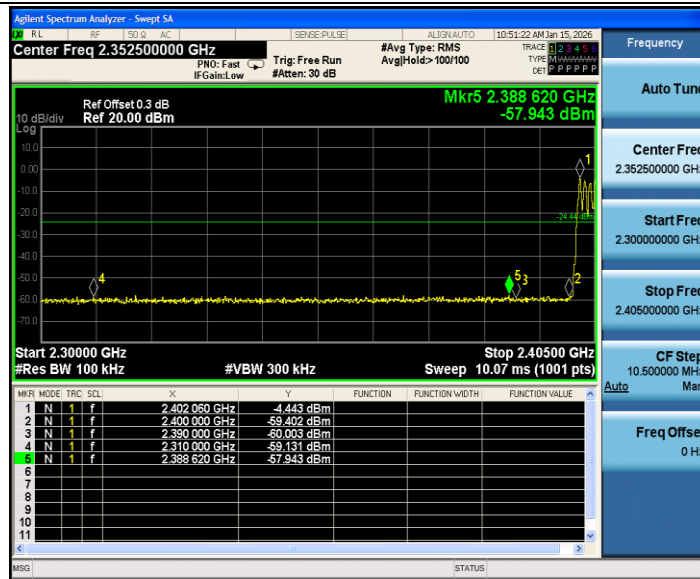
Appendix G: Band edge measurements

Test Result

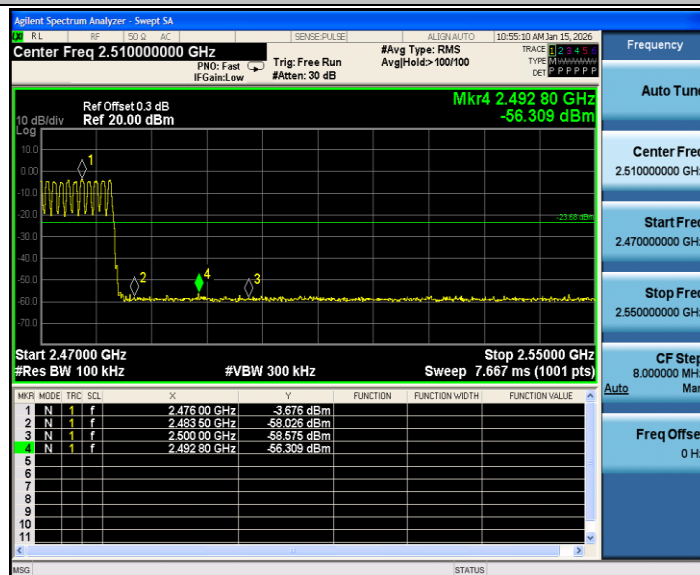
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.57	-57.28	≤-20.57	PASS
		High	2480	-0.84	-52.71	≤-20.84	PASS
		Low	Hop_2402	-4.44	-57.94	≤-24.44	PASS
		High	Hop_2480	-3.68	-56.31	≤-23.68	PASS
2DH5	Ant1	Low	2402	-3.51	-56.45	≤-23.51	PASS
		High	2480	-3.83	-57.78	≤-23.83	PASS
		Low	Hop_2402	-5.44	-57.16	≤-25.44	PASS
		High	Hop_2480	-4.77	-54.17	≤-24.77	PASS
3DH5	Ant1	Low	2402	-3.46	-57.58	≤-23.46	PASS
		High	2480	-3.71	-57.44	≤-23.71	PASS
		Low	Hop_2402	-4.95	-57.9	≤-24.95	PASS
		High	Hop_2480	-4.29	-57.63	≤-24.29	PASS

Test Graphs

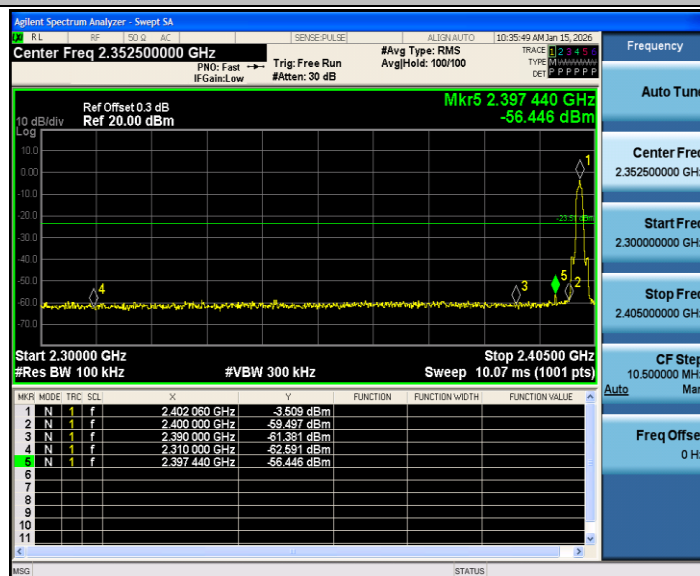




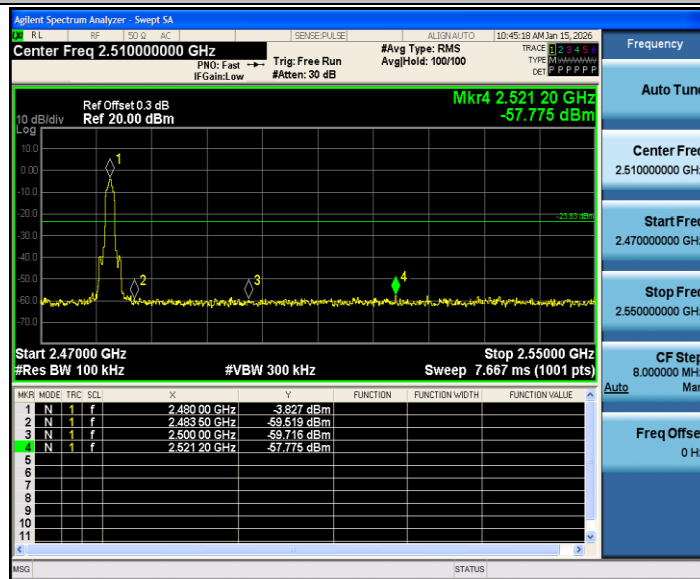
DH5_Ant1_High_Hop_2480



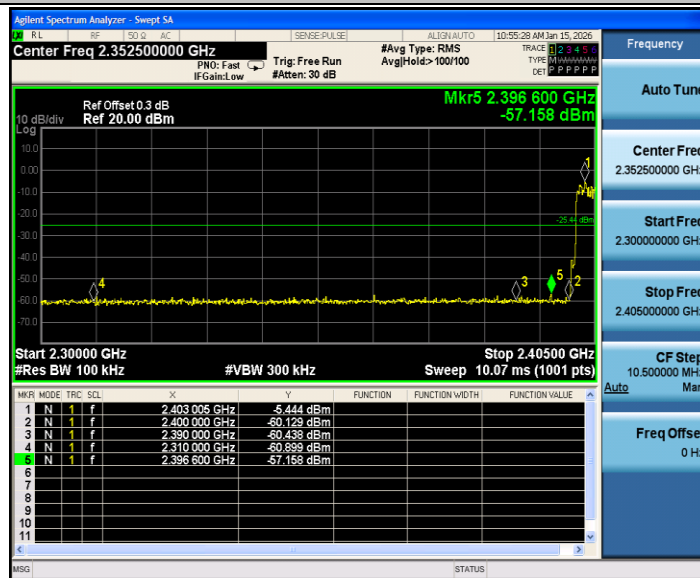
2DH5_Ant1_Low_2402



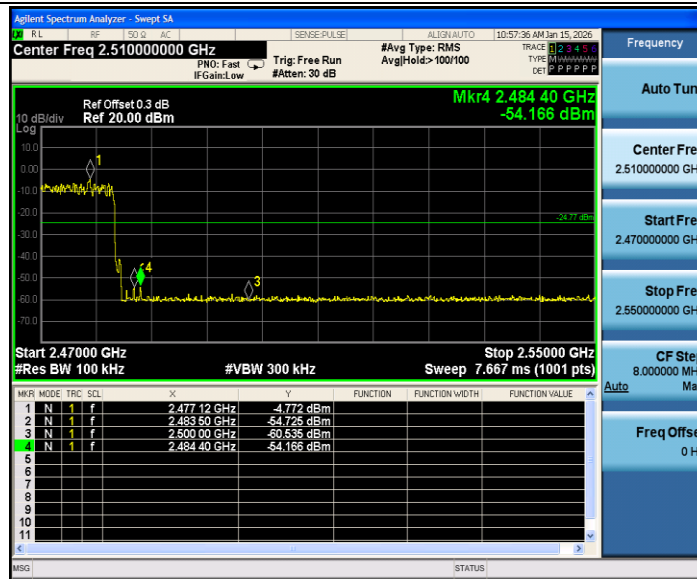
2DH5_Ant1_High_2480



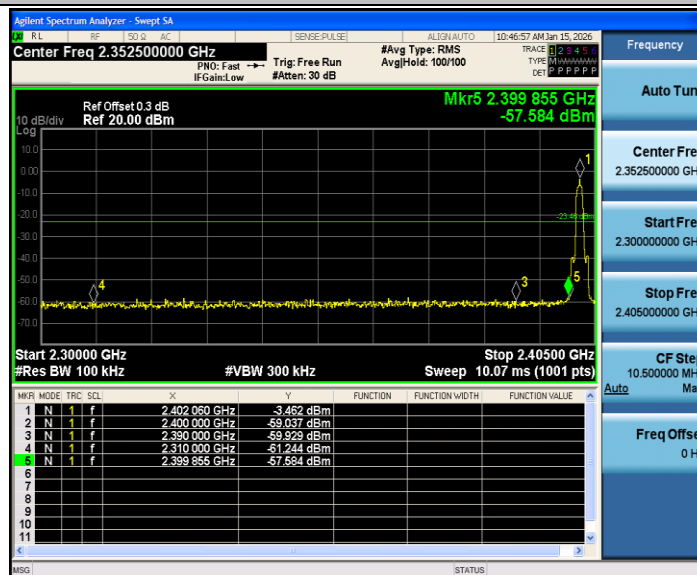
2DH5_Ant1_Low_Hop_2402



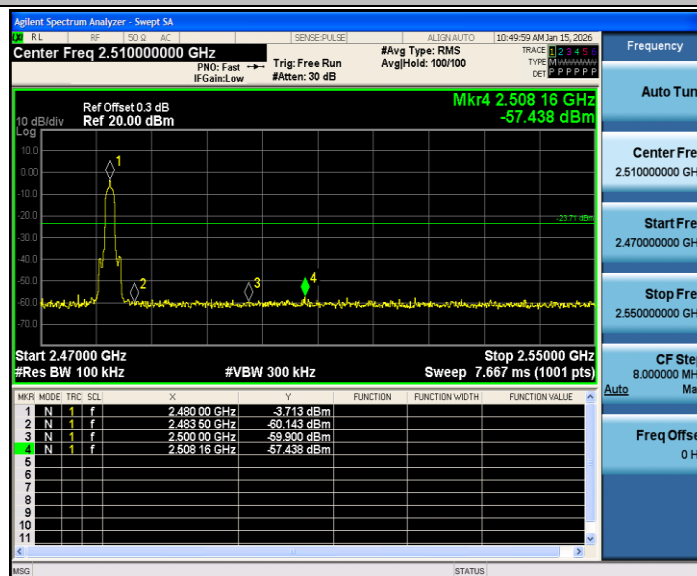
2DH5_Ant1_High_Hop_2480



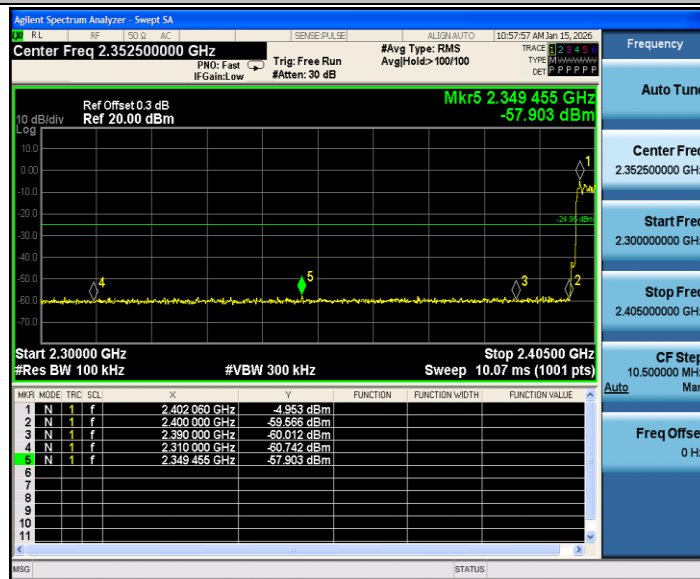
3DH5_Ant1_Low_2402



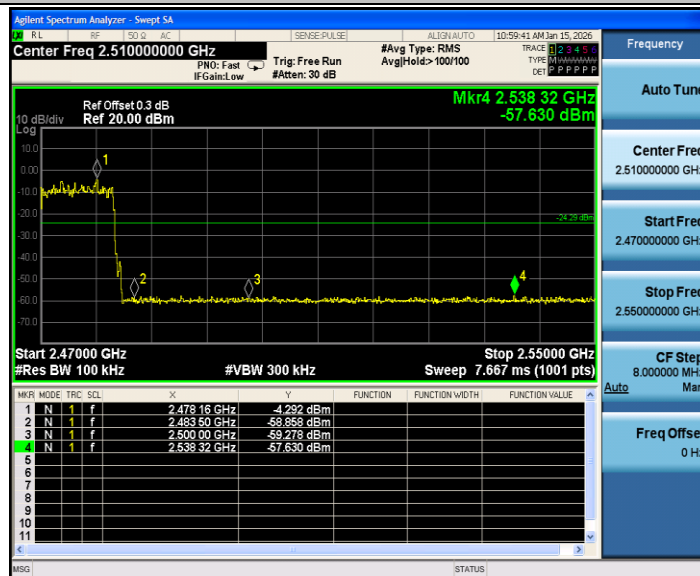
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

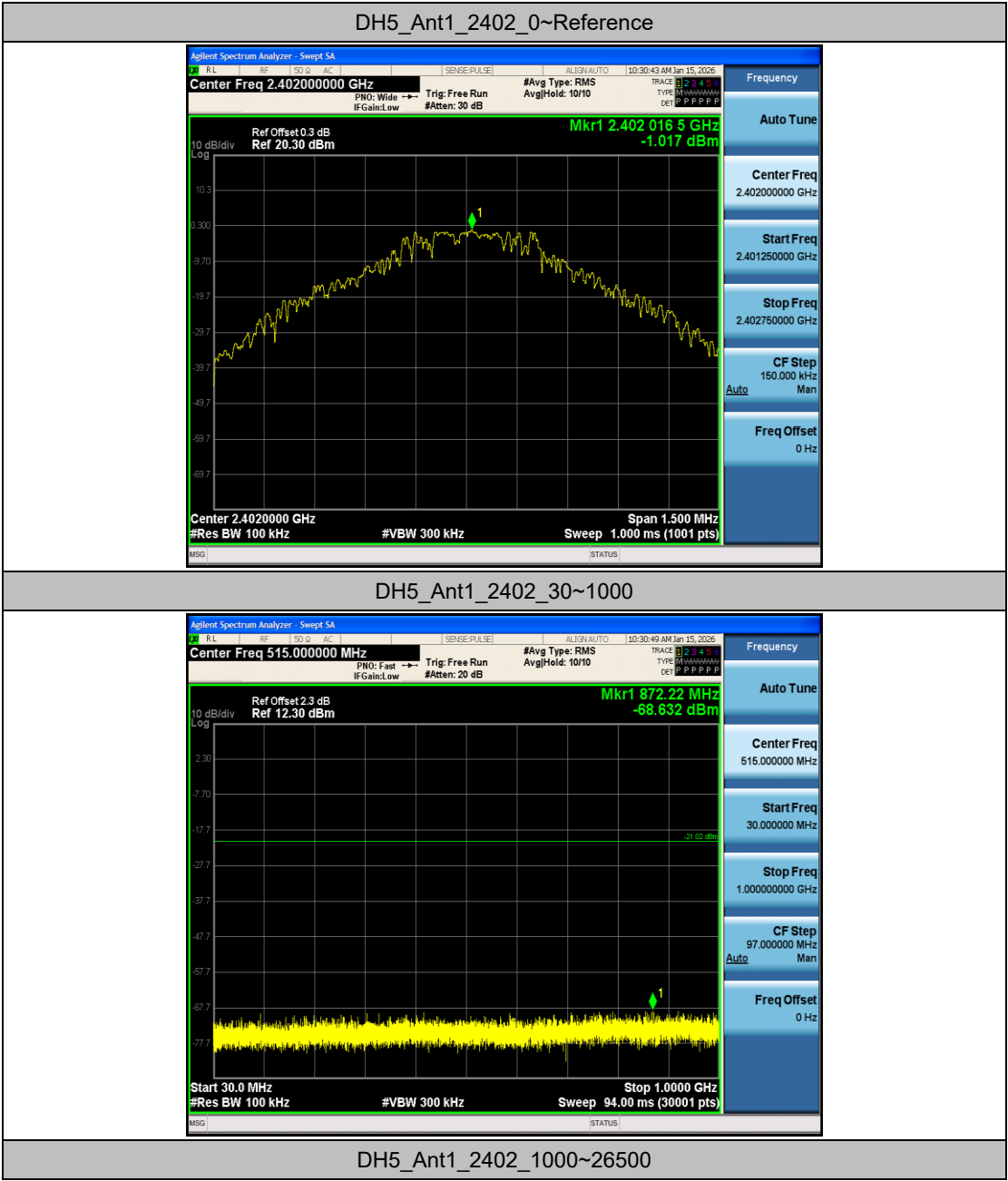


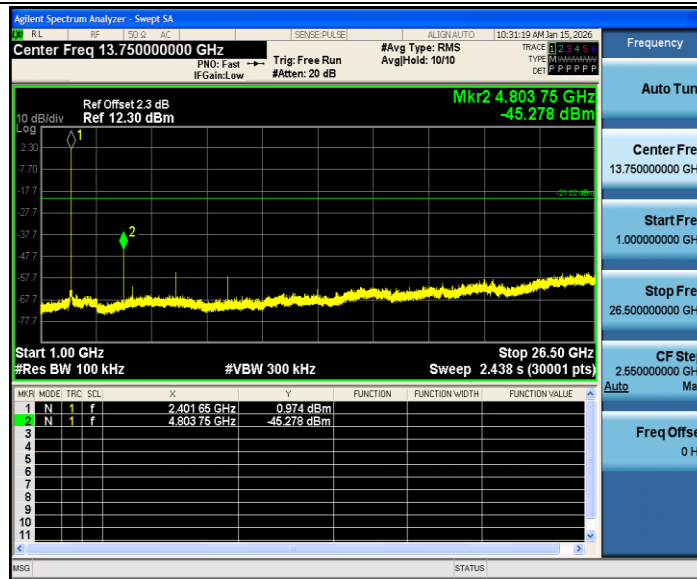
Appendix H: Conducted Spurious Emission

Test Result

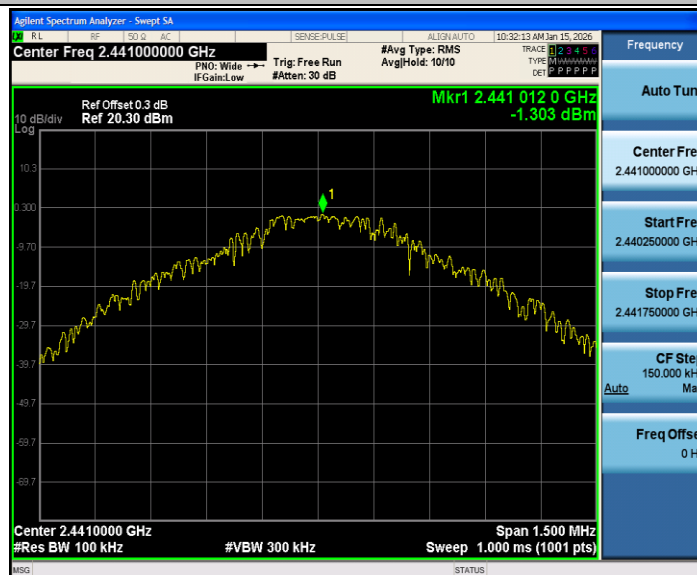
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.02	-1.02	---	PASS
			30~1000	-1.02	-68.63	≤-21.02	PASS
			1000~26500	-1.02	-45.28	≤-21.02	PASS
		2441	Reference	-1.30	-1.30	---	PASS
			30~1000	-1.30	-68.49	≤-21.3	PASS
			1000~26500	-1.30	-44.31	≤-21.3	PASS
		2480	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-68.17	≤-20.85	PASS
			1000~26500	-0.85	-44.68	≤-20.85	PASS
2DH5	Ant1	2402	Reference	-3.94	-3.94	---	PASS
			30~1000	-3.94	-63.5	≤-23.94	PASS
			1000~26500	-3.94	-52.82	≤-23.94	PASS
		2441	Reference	-6.19	-6.19	---	PASS
			30~1000	-6.19	-67.74	≤-26.19	PASS
			1000~26500	-6.19	-51.29	≤-26.19	PASS
		2480	Reference	-6.52	-6.52	---	PASS
			30~1000	-6.52	-68.5	≤-26.52	PASS
			1000~26500	-6.52	-49.61	≤-26.52	PASS
3DH5	Ant1	2402	Reference	-4.63	-4.63	---	PASS
			30~1000	-4.63	-63.18	≤-24.63	PASS
			1000~26500	-4.63	-51.14	≤-24.63	PASS
		2441	Reference	-5.86	-5.86	---	PASS
			30~1000	-5.86	-68.2	≤-25.86	PASS
			1000~26500	-5.86	-47.53	≤-25.86	PASS
		2480	Reference	-7.23	-7.23	---	PASS
			30~1000	-7.23	-67.42	≤-27.23	PASS
			1000~26500	-7.23	-48.88	≤-27.23	PASS

Test Graphs

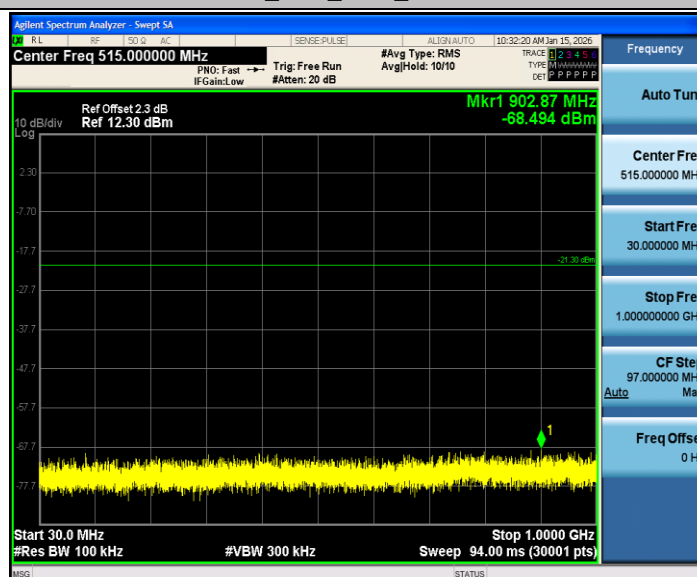




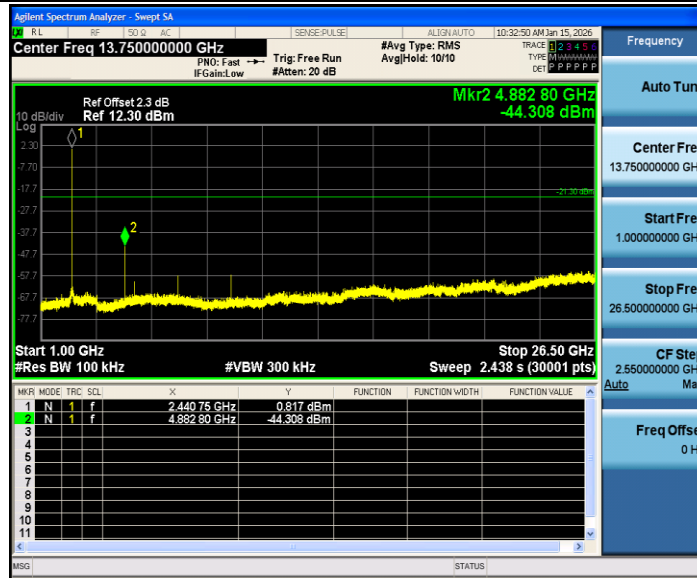
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



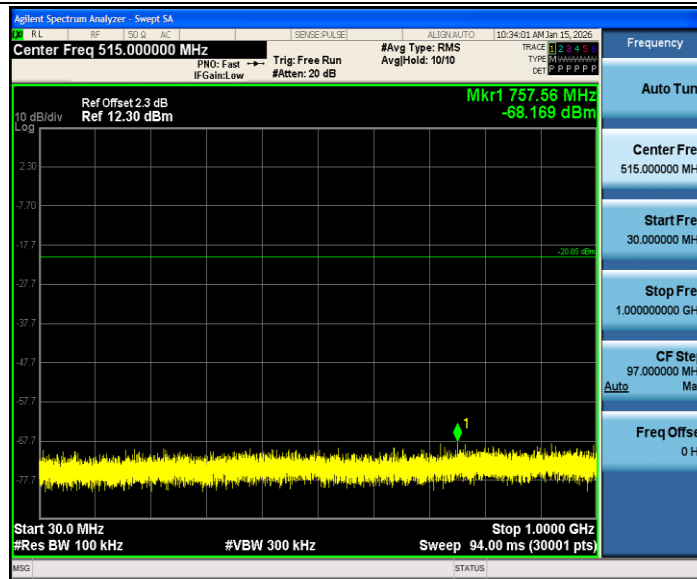
DH5_Ant1_2441_1000~26500



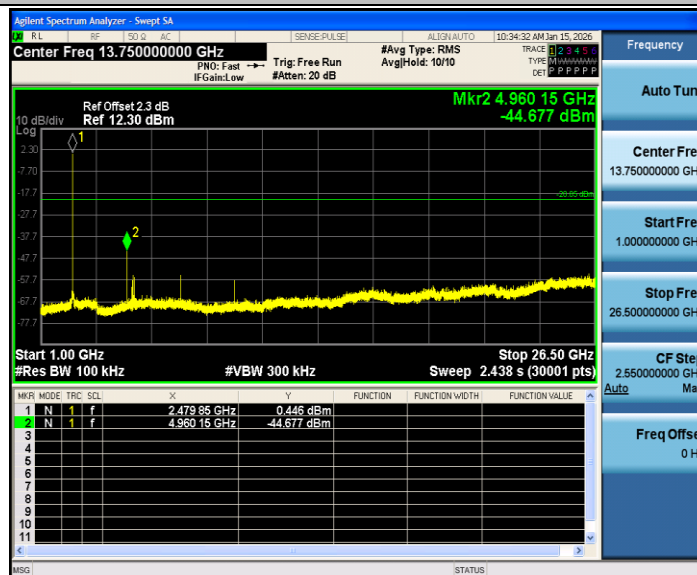
DH5_Ant1_2480_0~Reference



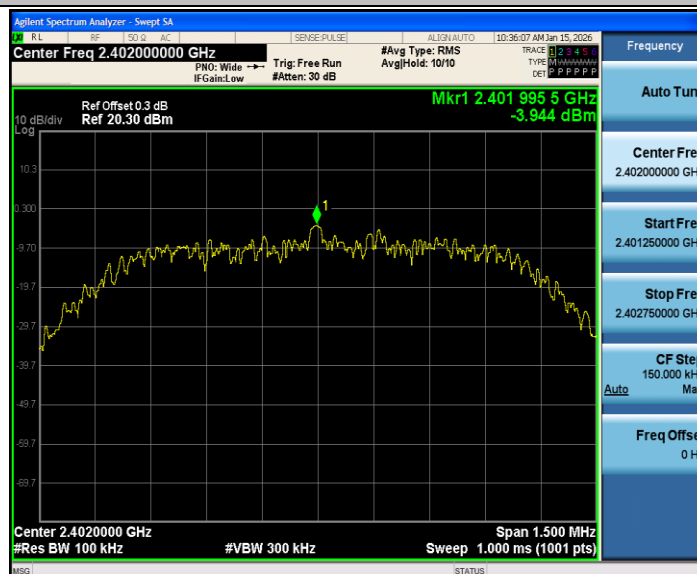
DH5_Ant1_2480_30~1000



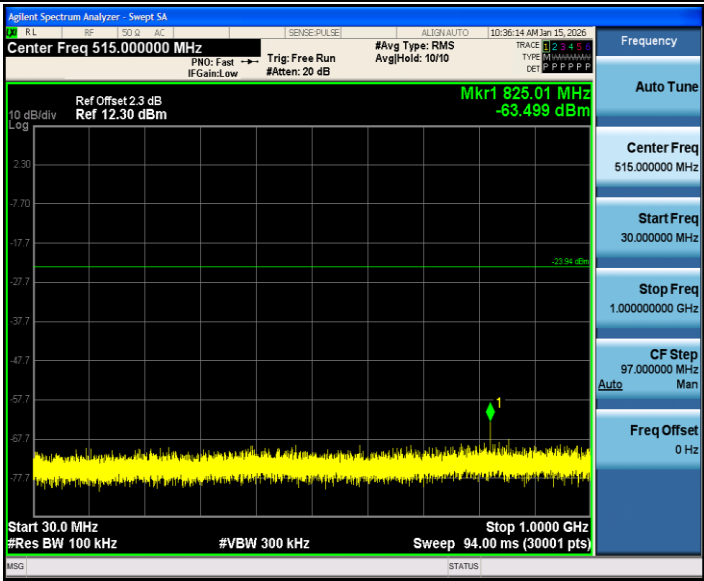
DH5_Ant1_2480_1000~26500



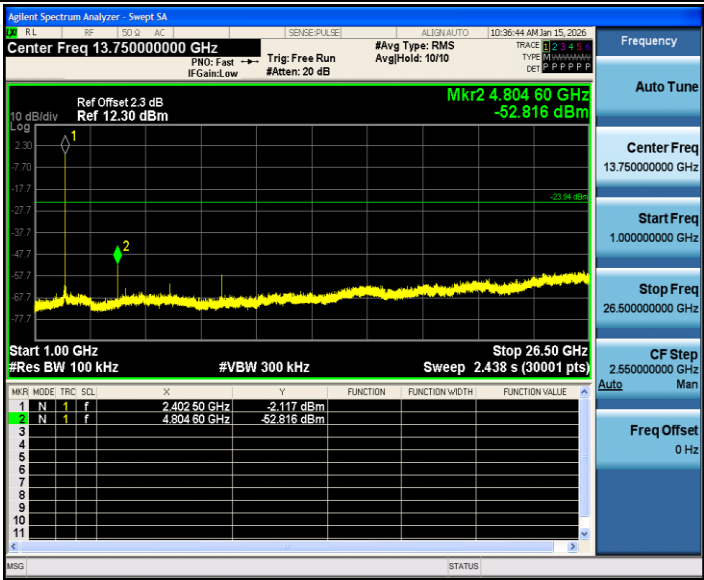
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference