

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.957	2401.526	2402.483	---	---
		2441	0.957	2440.523	2441.480	---	---
		2480	1.020	2479.454	2480.474	---	---
2DH5	Ant1	2402	1.323	2401.325	2402.648	---	---
		2441	1.278	2440.358	2441.636	---	---
		2480	1.269	2479.358	2480.627	---	---
3DH5	Ant1	2402	1.290	2401.340	2402.630	---	---
		2441	1.299	2440.334	2441.633	---	---
		2480	1.281	2479.340	2480.621	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

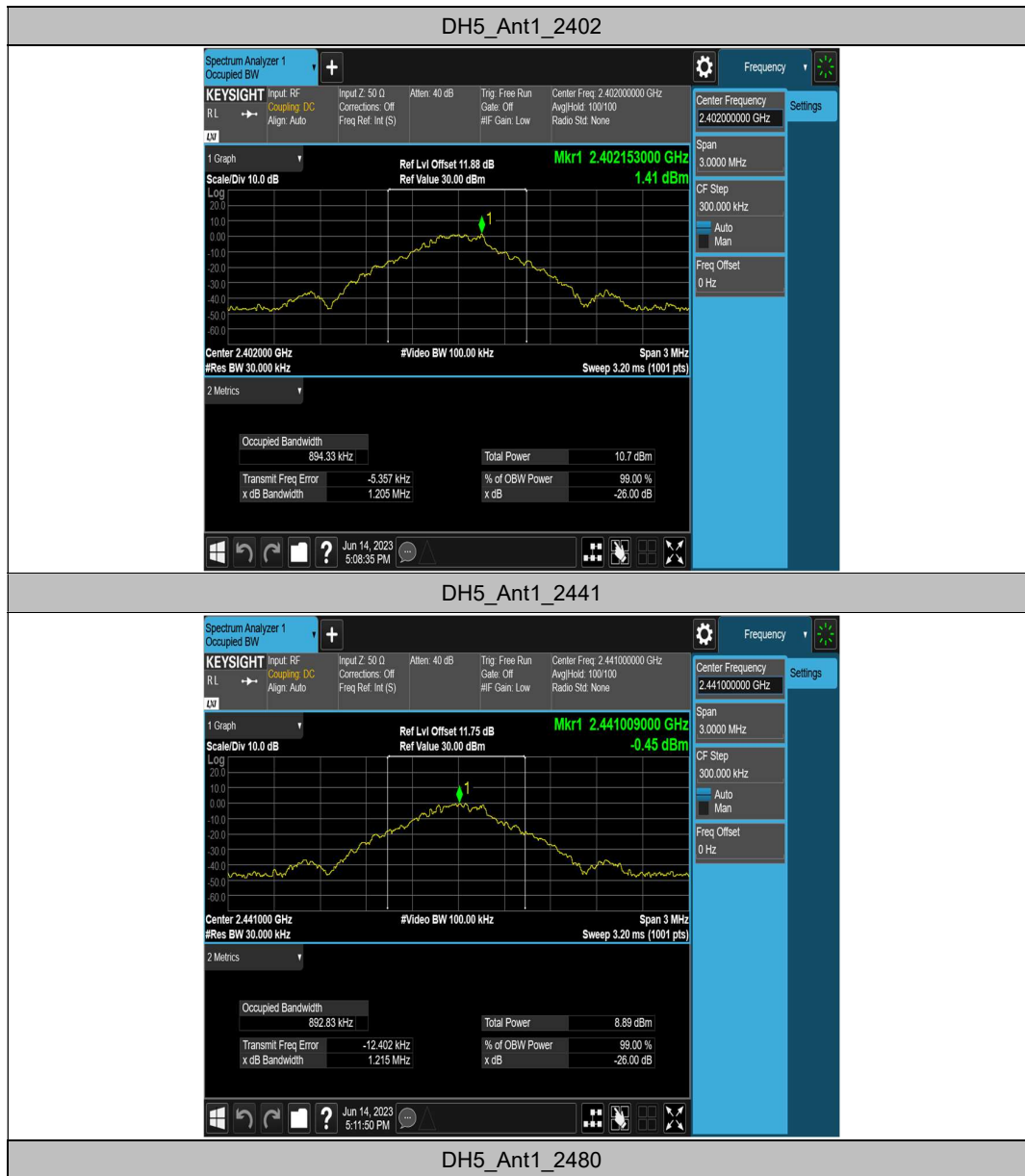


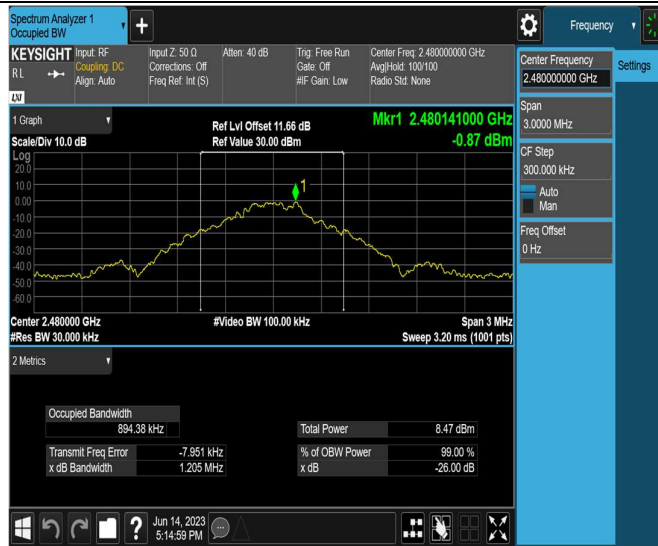
Appendix B: Occupied Channel Bandwidth

Test Result

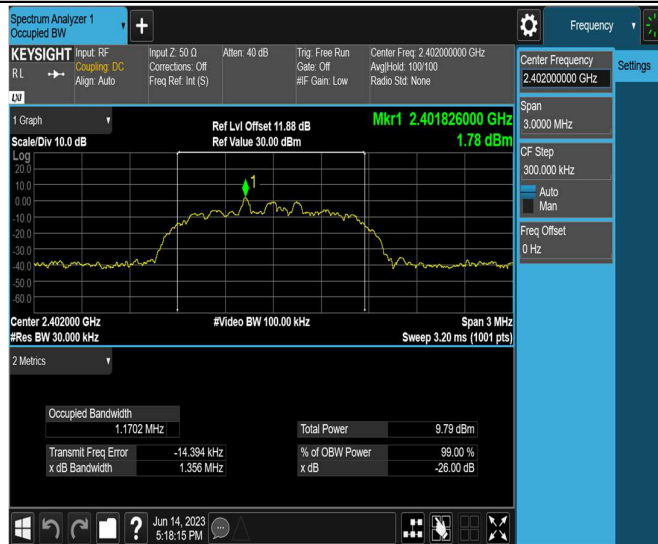
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89433	2401.5475	2402.4418	---	---
		2441	0.89283	2440.5412	2441.4340	---	---
		2480	0.89438	2479.5449	2480.4392	---	---
2DH5	Ant1	2402	1.1702	2401.4005	2402.5707	---	---
		2441	1.1771	2440.3973	2441.5744	---	---
		2480	1.1703	2479.4003	2480.5706	---	---
3DH5	Ant1	2402	1.1945	2401.3898	2402.5843	---	---
		2441	1.1679	2440.4113	2441.5792	---	---
		2480	1.1907	2479.3917	2480.5824	---	---

Test Graphs

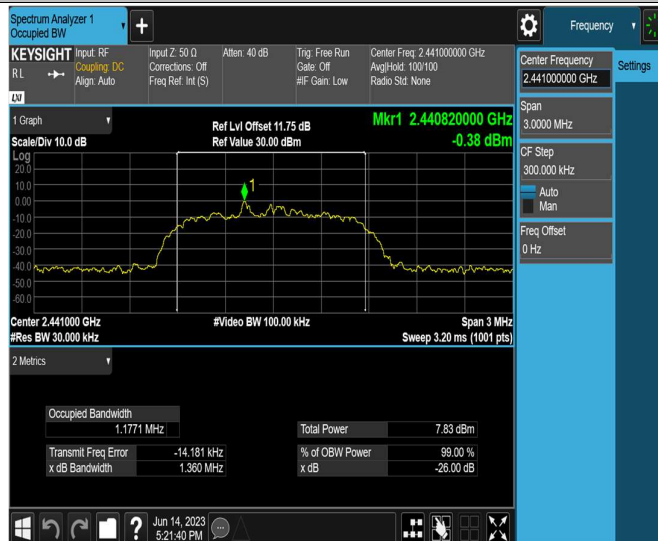




2DH5_Ant1_2402



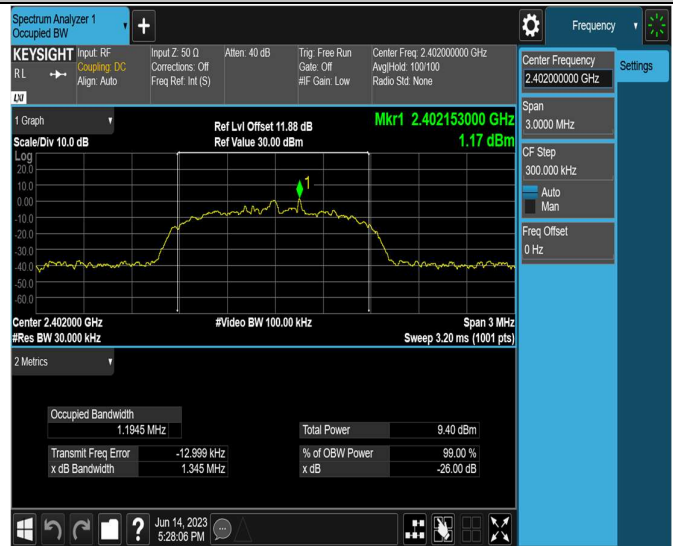
2DH5_Ant1_2441



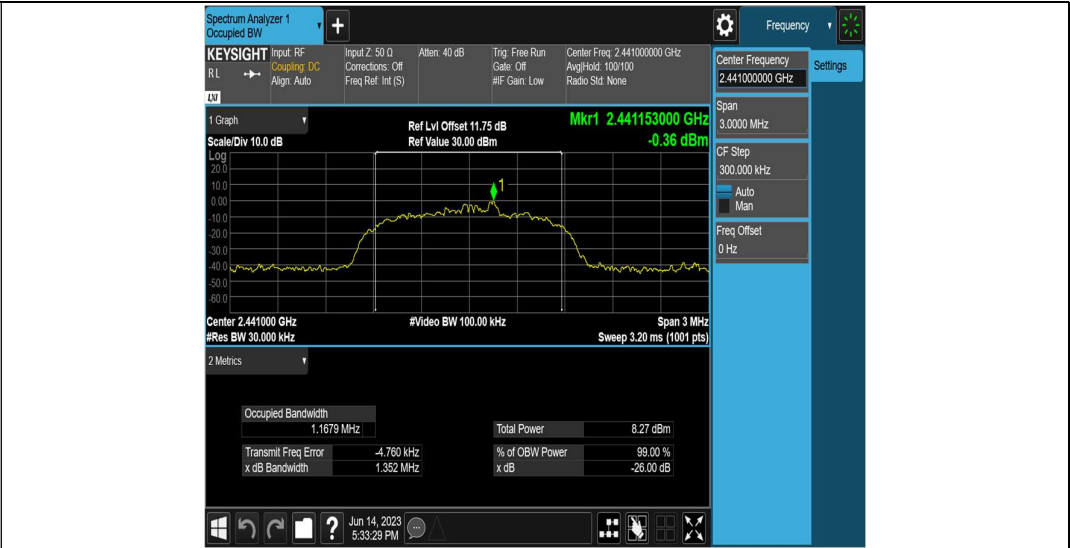
2DH5_Ant1_2480



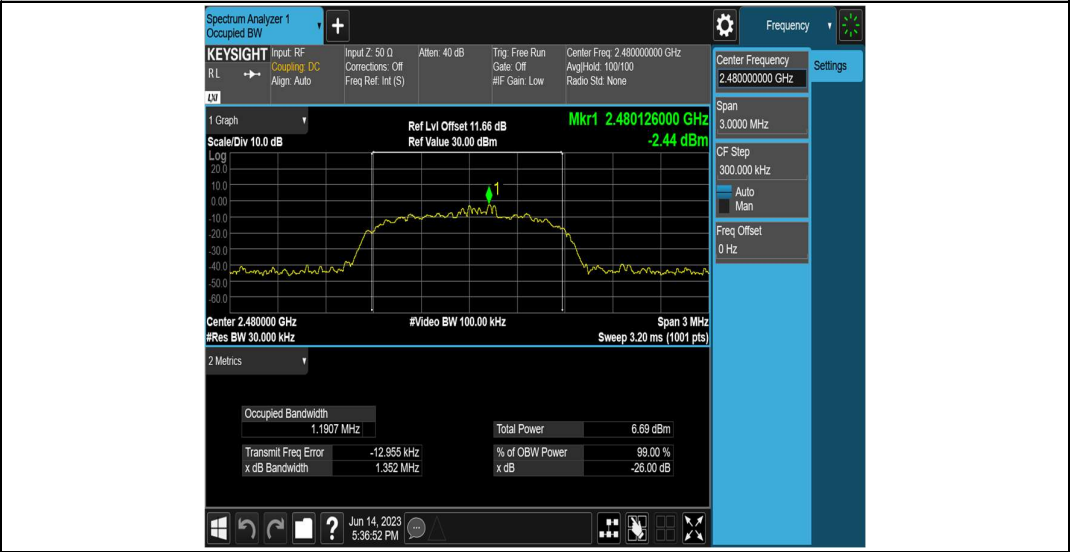
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.92	≤20.97	PASS
		2441	2.56	≤20.97	PASS
		2480	1.86	≤20.97	PASS
2DH5	Ant1	2402	3.89	≤20.97	PASS
		2441	2.48	≤20.97	PASS
		2480	1.78	≤20.97	PASS
3DH5	Ant1	2402	3.94	≤20.97	PASS
		2441	2.57	≤20.97	PASS
		2480	1.76	≤20.97	PASS

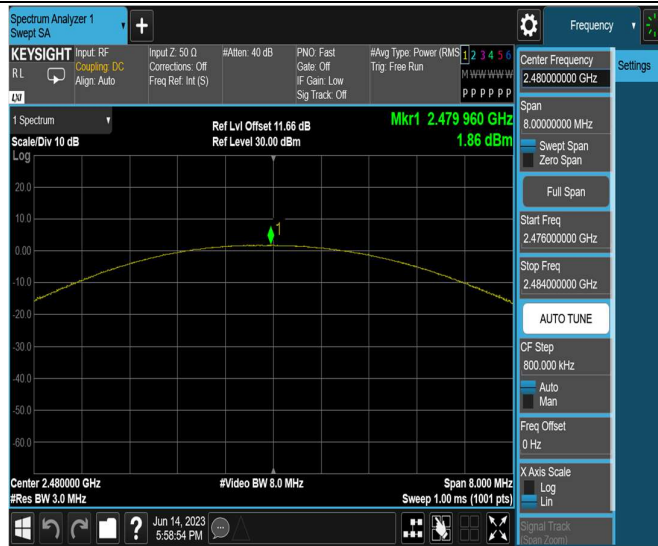
DH5_Ant1_2402



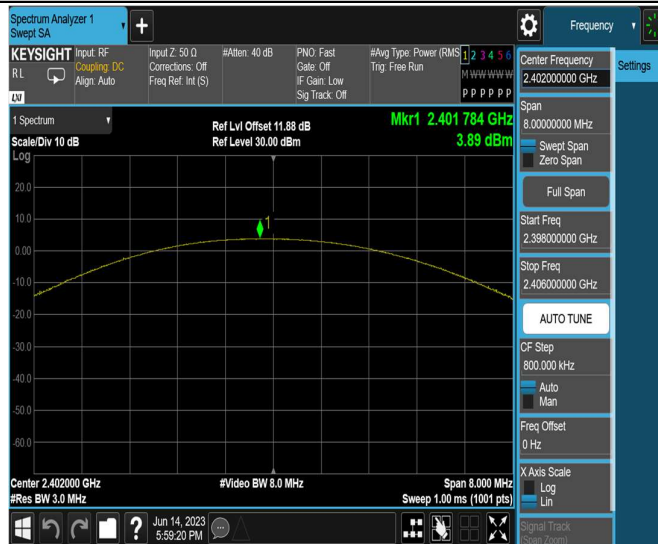
DH5_Ant1_2441



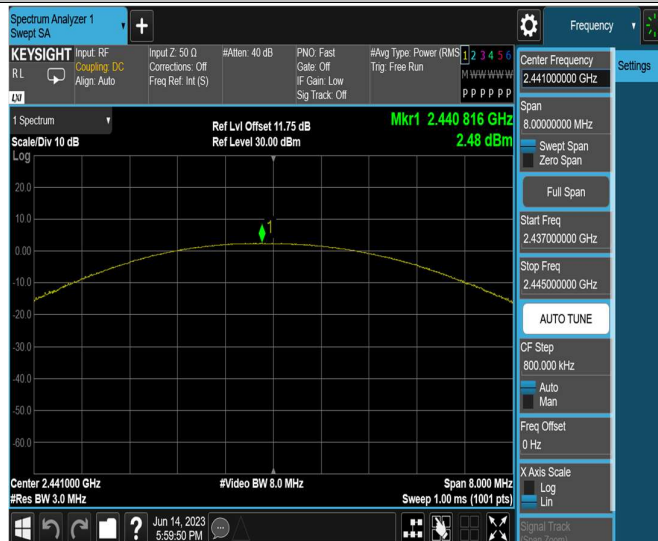
DH5_Ant1_2480



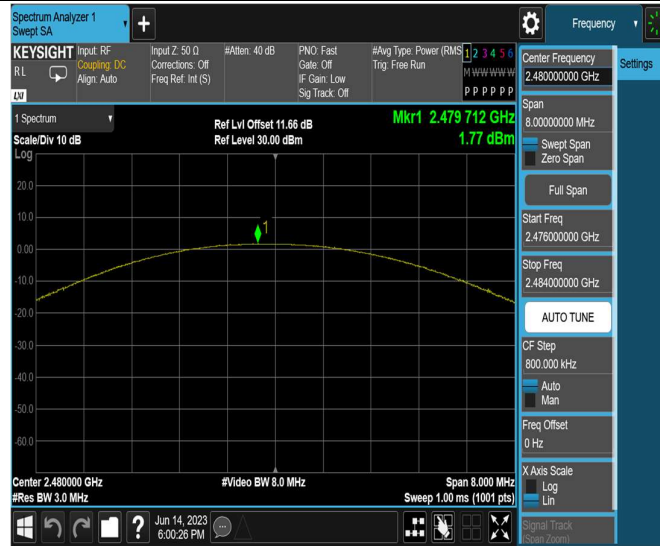
2DH5_Ant1_2402



2DH5_Ant1_2441



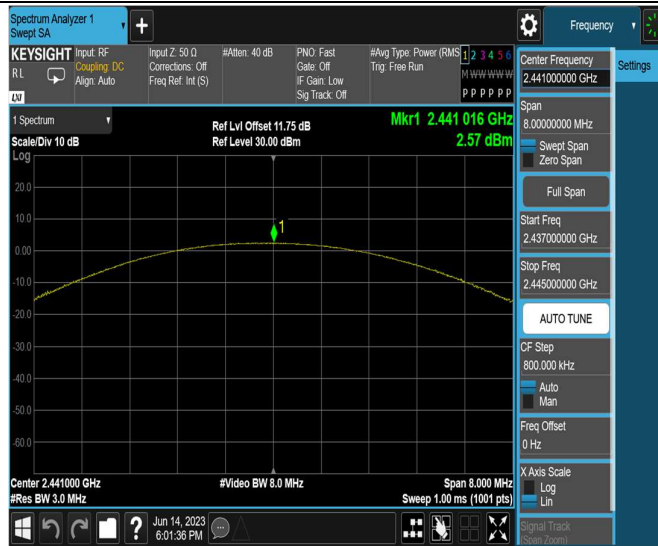
2DH5_Ant1_2480



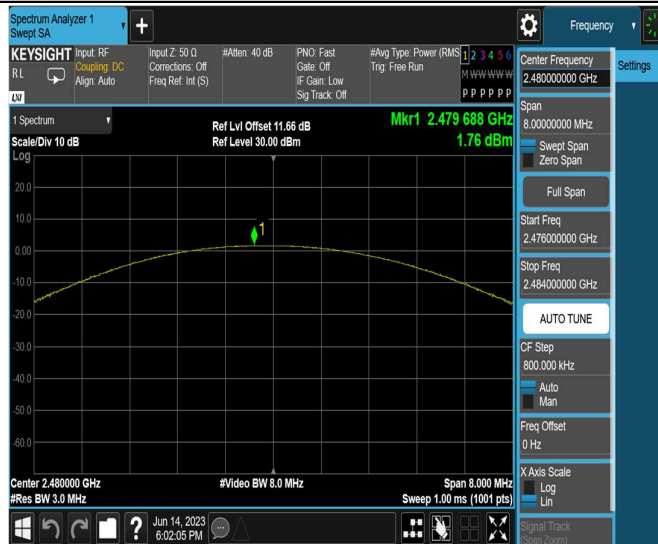
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

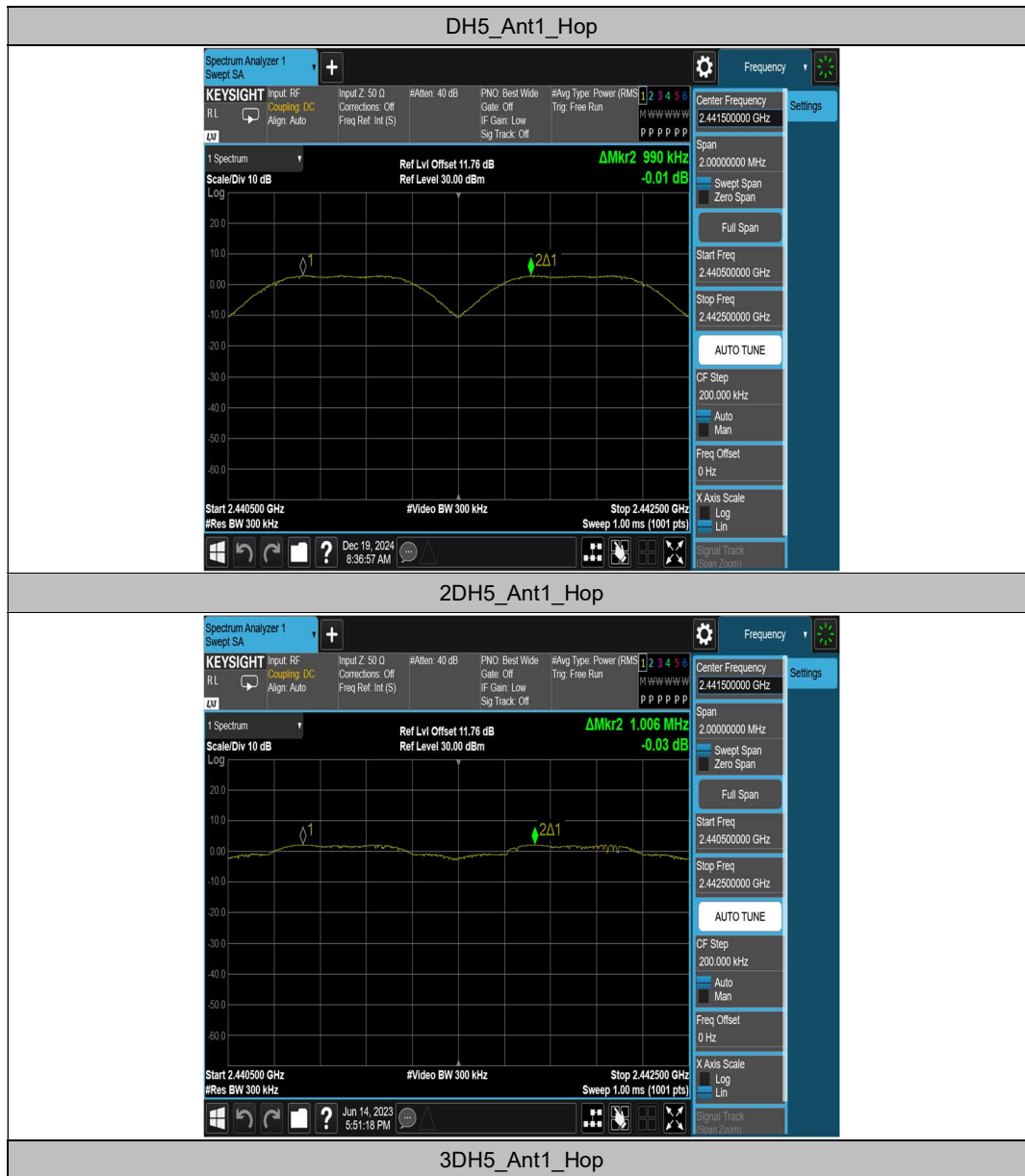


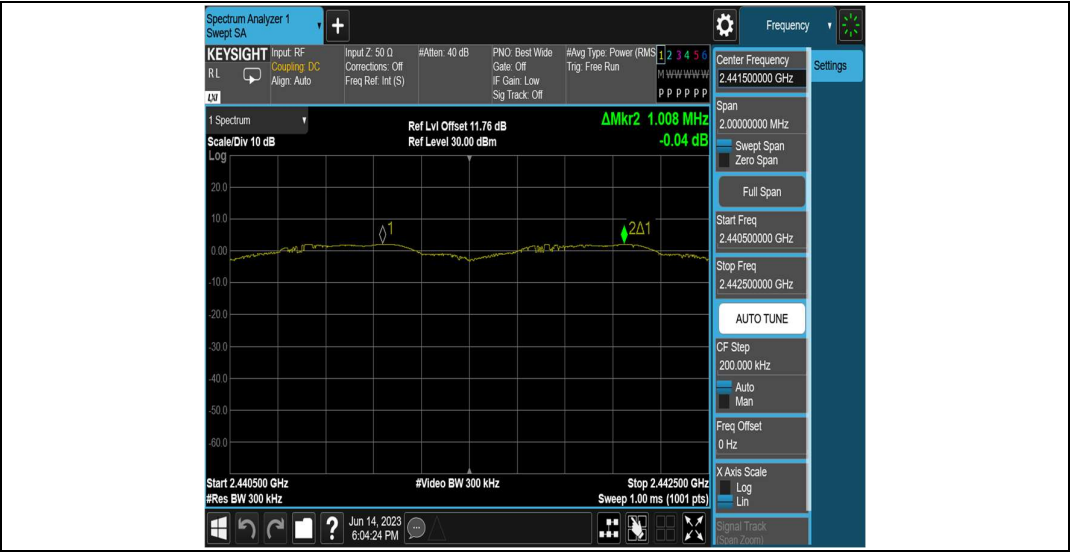
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.990	≥ 0.680	PASS
2DH5	Ant1	Hop	1.006	≥ 0.882	PASS
3DH5	Ant1	Hop	1.008	≥ 0.866	PASS

Test Graphs





Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.879	106.67	0.307	≤0.4	PASS
2DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.883	106.67	0.308	≤0.4	PASS

2DH5_Ant1_Hop

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: Coupling DC
R/L → Align Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)

#Atten: 40 dB
PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

#Avg Type: Power (RMS)
Trig: Video
Trig Delay: -2.000 ms

Center Frequency: 2.441000000 GHz
Span: 0.00000000 Hz
Start Freq: 2.441000000 GHz
Stop Freq: 2.441000000 GHz
AUTO TUNE

CF Step: 1.000000 MHz
Auto
Man

Freq Offset: 0 Hz

X Axis Scale: Log
Lin

Signal Track (Span Zoom)

1 Spectrum
Scale/Div 10 dB
Log

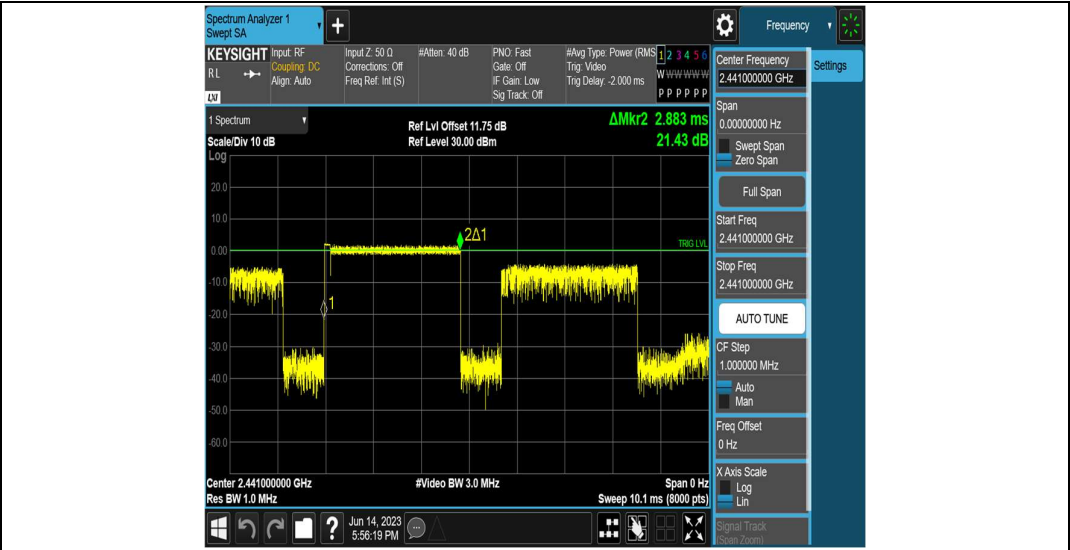
Ref Lvl Offset 11.75 dB
Ref Level 30.00 dBm

ΔMkr2 2.879 ms
15.41 dB

Center 2.441000000 GHz
Res BW 1.0 MHz
#Video BW 3.0 MHz
Span 0 Hz
Sweep 10.1 ms (8000 pts)

Jun 14, 2023 5:43:36 PM

3DH5_Ant1_Hop

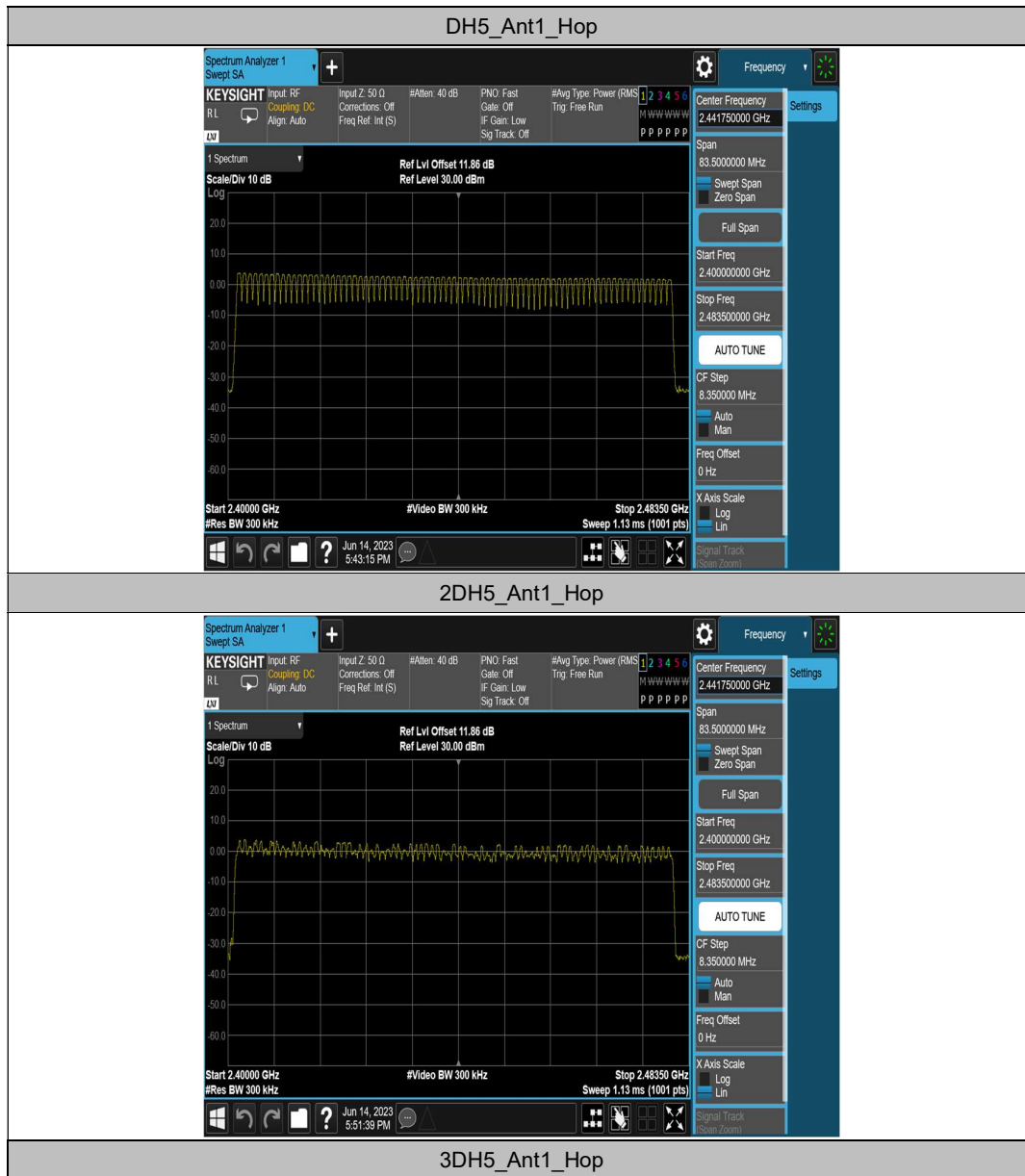


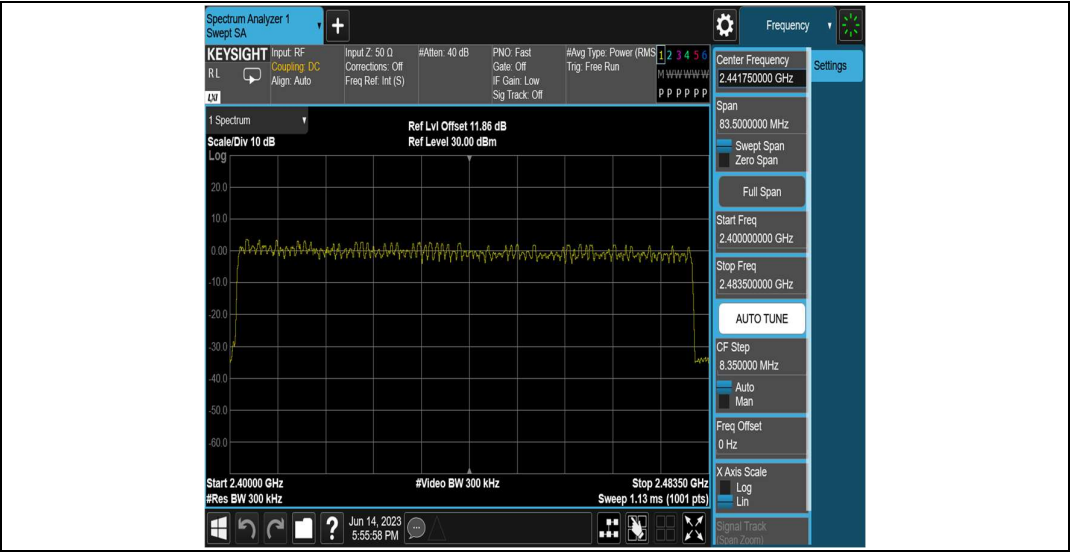
Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[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





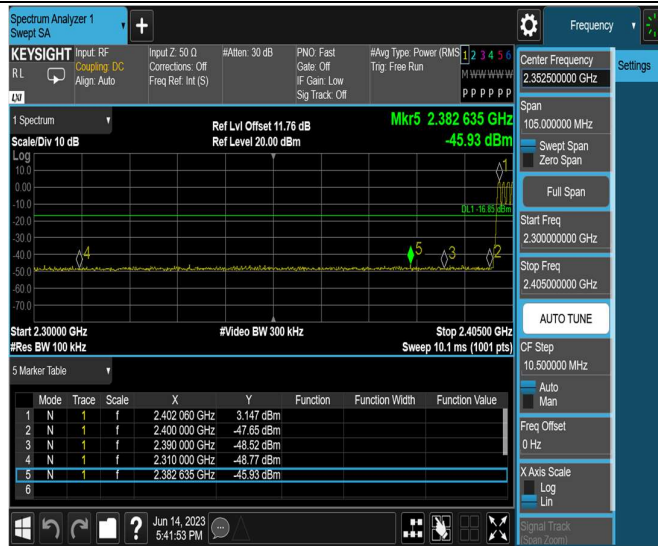
Appendix G: Band edge measurements

Test Result

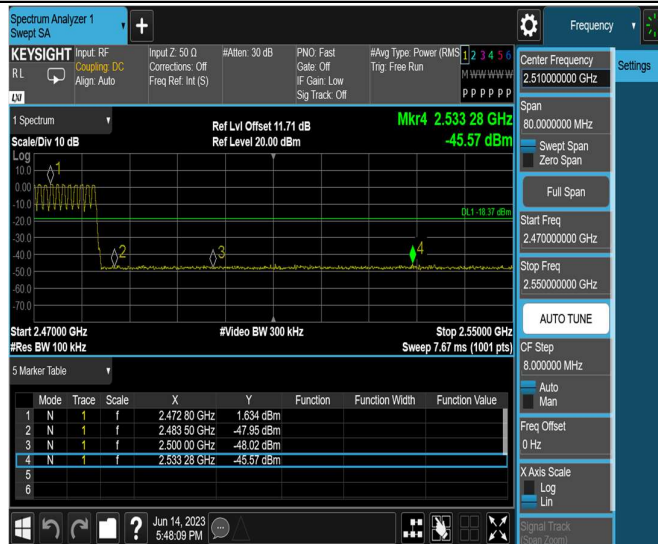
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.68	-47.22	≤-16.33	PASS
		High	2480	1.33	-46.55	≤-18.67	PASS
		Low	Hop_2402	3.15	-45.93	≤-16.85	PASS
		High	Hop_2480	1.63	-45.57	≤-18.37	PASS
2DH5	Ant1	Low	2402	3.53	-46.62	≤-16.47	PASS
		High	2480	1.34	-47.11	≤-18.67	PASS
		Low	Hop_2402	3.47	-46.17	≤-16.54	PASS
		High	Hop_2480	1.59	-45.77	≤-18.41	PASS
3DH5	Ant1	Low	2402	3.66	-47.18	≤-16.34	PASS
		High	2480	1.35	-46.69	≤-18.65	PASS
		Low	Hop_2402	3.49	-45.79	≤-16.52	PASS
		High	Hop_2480	1.36	-46.12	≤-18.64	PASS

Test Graphs





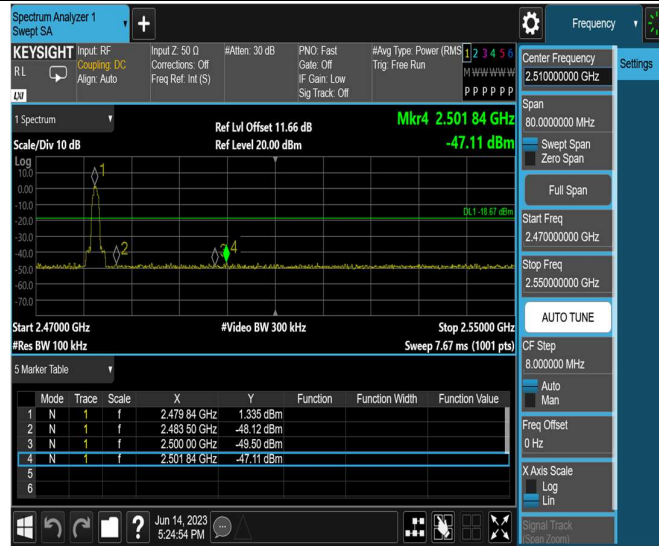
DH5_Ant1_High_Hop_2480



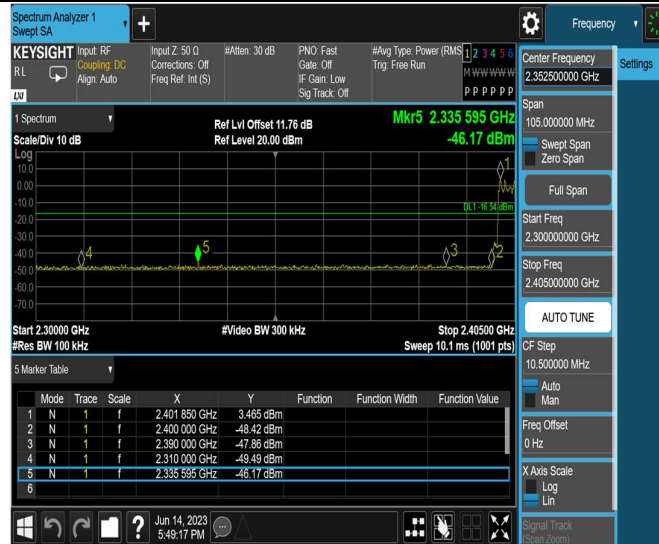
2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480