

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.963	2401.526	2402.489	---	---
		2441	0.957	2440.535	2441.492	---	---
		2480	0.966	2479.529	2480.495	---	---
2DH5	Ant1	2402	1.353	2401.331	2402.684	---	---
		2441	1.356	2440.334	2441.690	---	---
		2480	1.356	2479.334	2480.690	---	---
3DH5	Ant1	2402	1.311	2401.352	2402.663	---	---
		2441	1.314	2440.355	2441.669	---	---
		2480	1.314	2479.355	2480.669	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

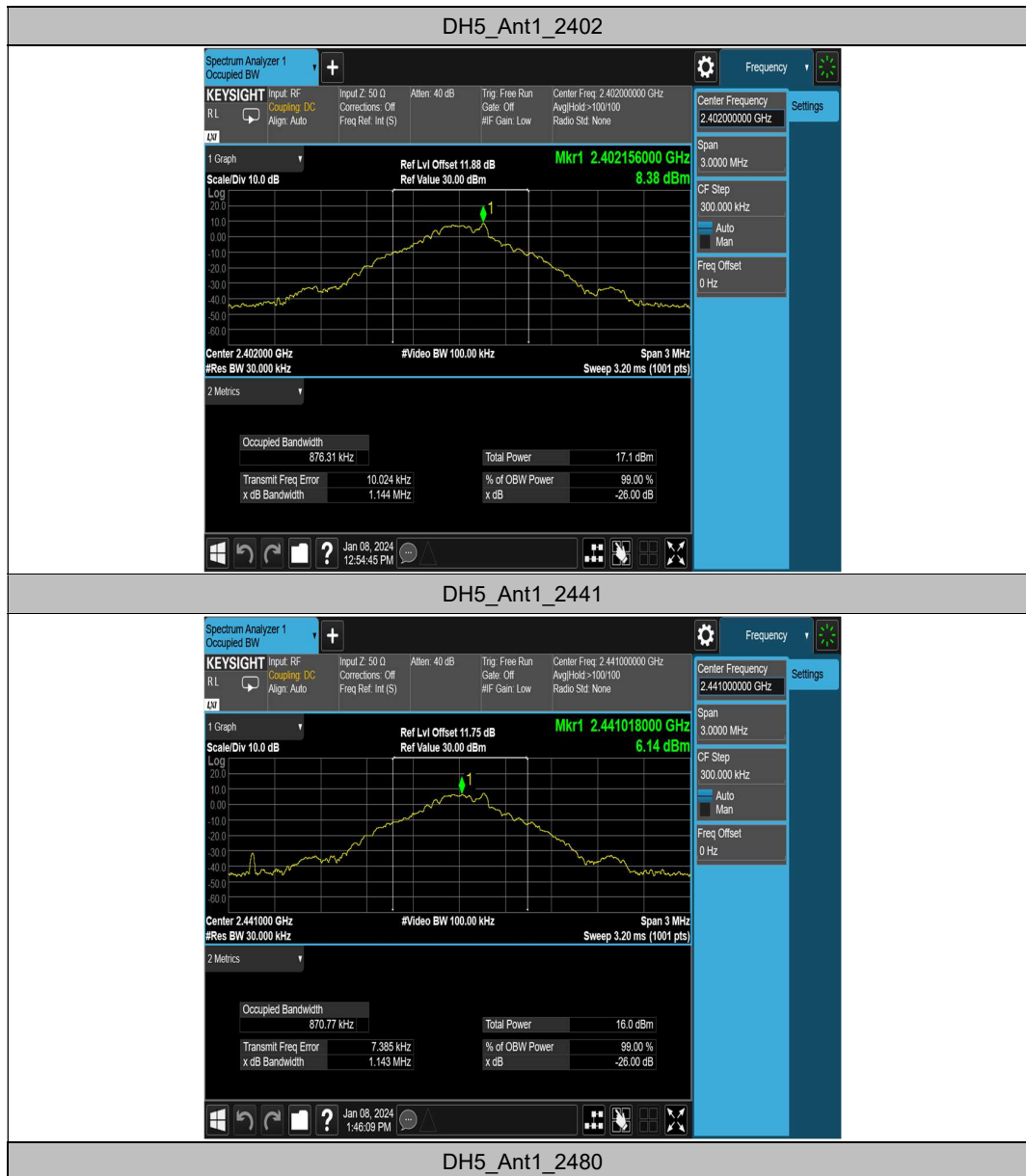


Appendix B: Occupied Channel Bandwidth

Test Result

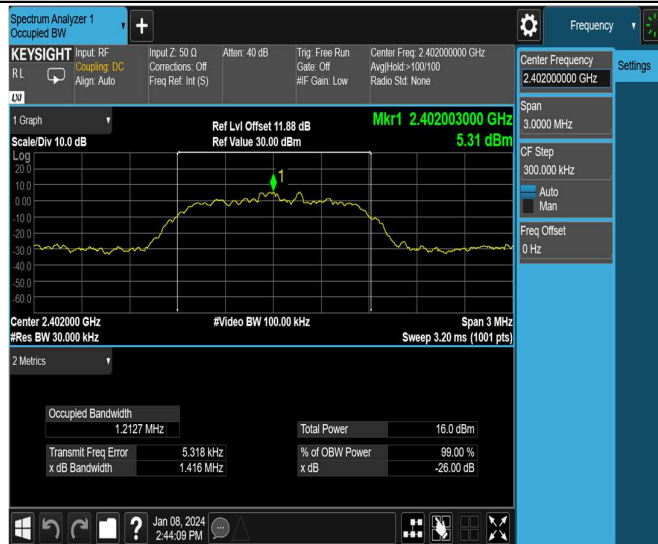
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87280	2401.5729	2402.4457	---	---
		2441	0.87146	2440.5716	2441.4430	---	---
		2480	0.88180	2479.5738	2480.4556	---	---
2DH5	Ant1	2402	1.2140	2401.3982	2402.6122	---	---
		2441	1.2126	2440.4008	2441.6134	---	---
		2480	1.2086	2479.4048	2480.6134	---	---
3DH5	Ant1	2402	1.2249	2401.3870	2402.6119	---	---
		2441	1.2238	2440.3901	2441.6139	---	---
		2480	1.2168	2479.3963	2480.6131	---	---

Test Graphs

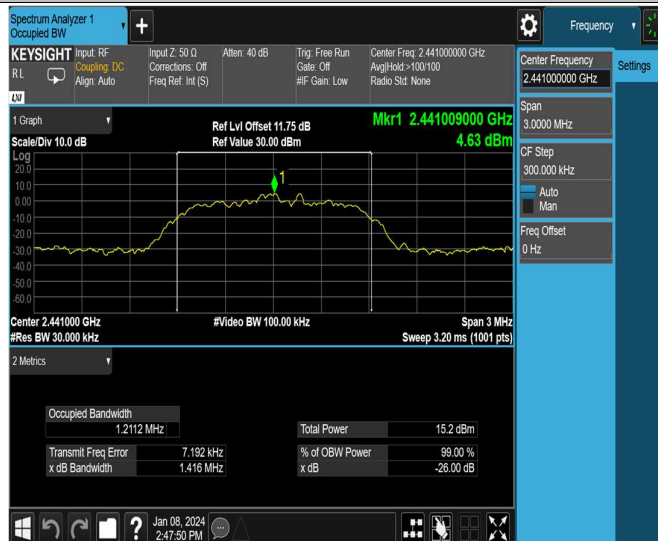




2DH5_Ant1_2402



2DH5_Ant1_2441



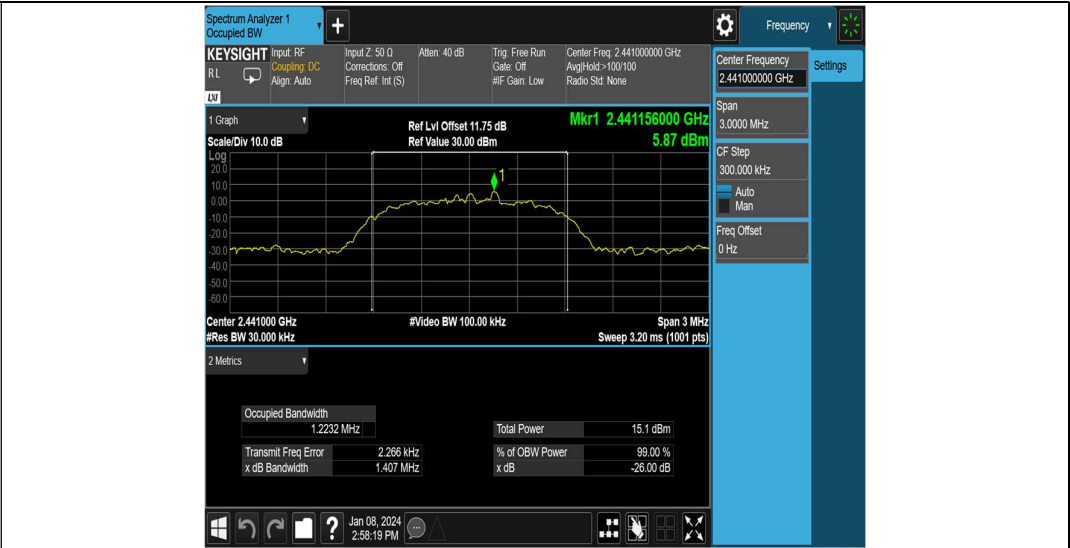
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

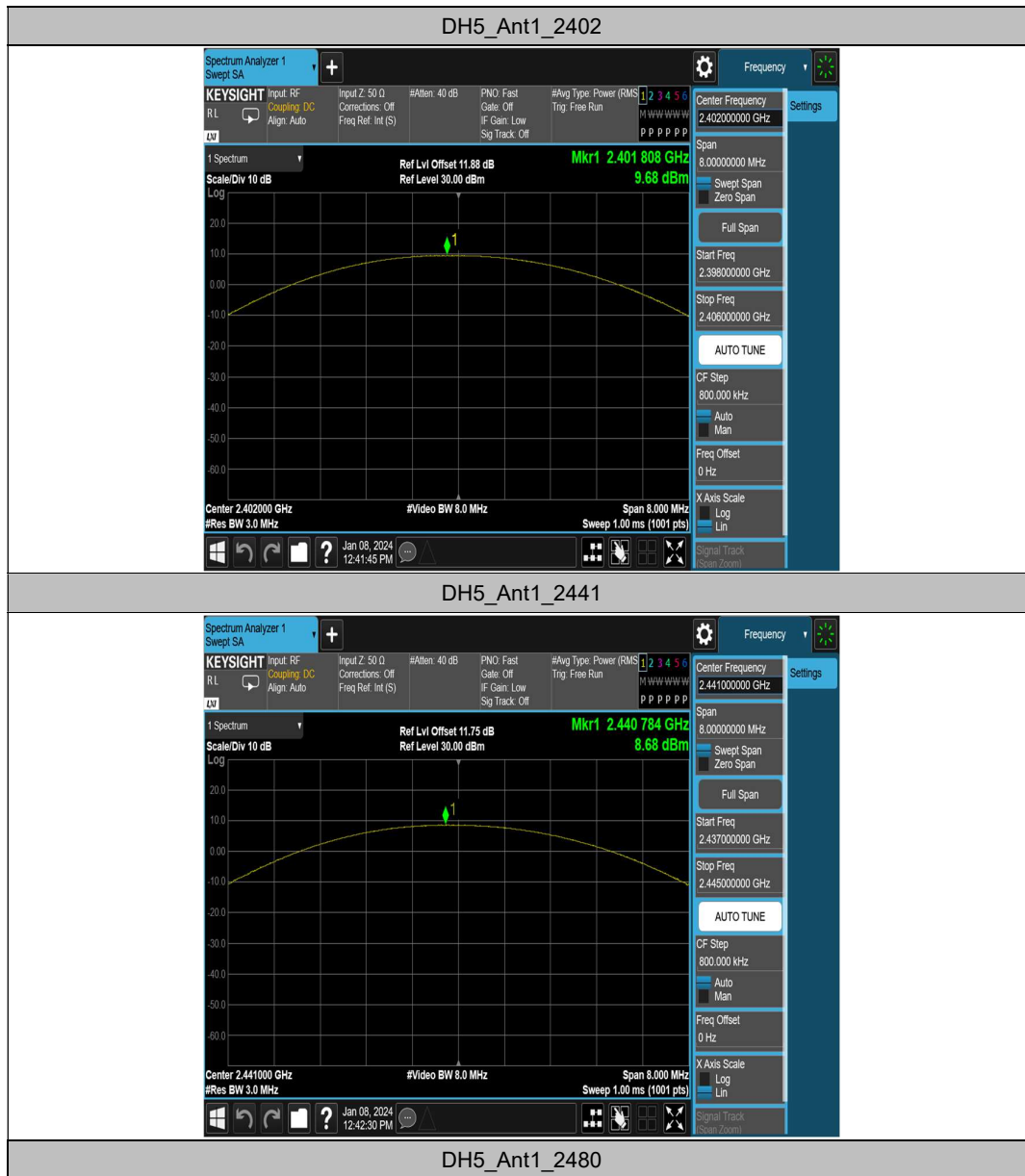


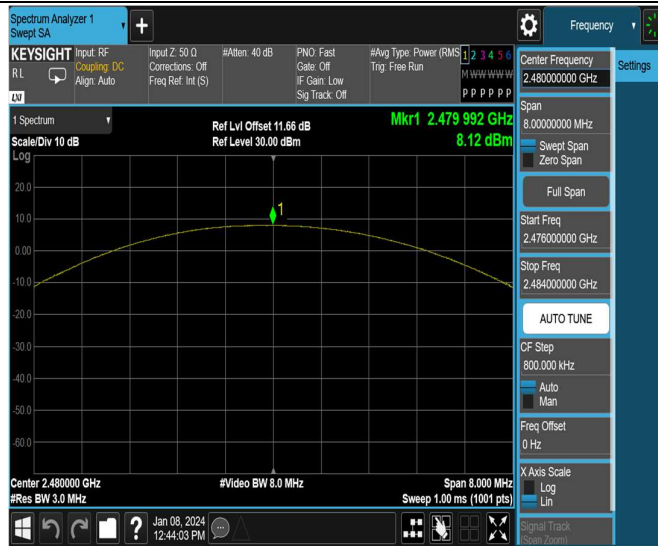
Appendix C: Maximum conducted output power

Test Result Peak

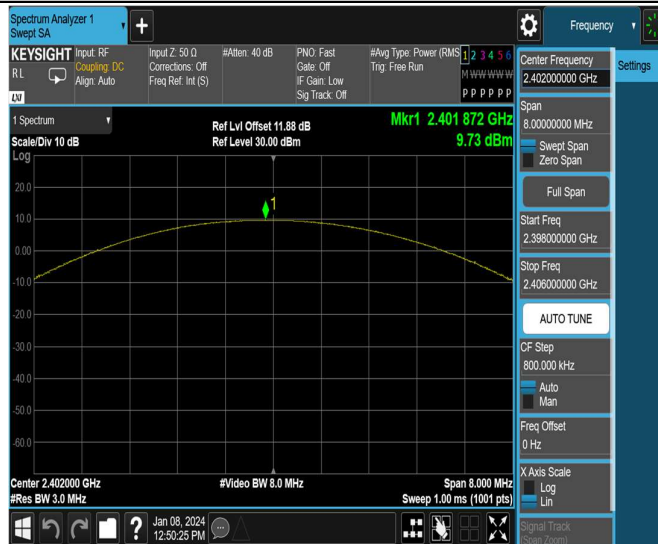
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	E.I.R.P[dBm]	E.I.R.P Limit[dBm]	Verdict
DH5	Ant1	2402	9.68	≤20.97	10.44	≤20.97	PASS
		2441	8.68	≤20.97	9.44	≤20.97	PASS
		2480	8.12	≤20.97	8.88	≤20.97	PASS
2DH5	Ant1	2402	9.73	≤20.97	10.49	≤20.97	PASS
		2441	8.73	≤20.97	9.49	≤20.97	PASS
		2480	8.28	≤20.97	9.04	≤20.97	PASS
3DH5	Ant1	2402	10.01	≤20.97	10.77	≤20.97	PASS
		2441	8.99	≤20.97	9.75	≤20.97	PASS
		2480	8.48	≤20.97	9.24	≤20.97	PASS

Test Graphs





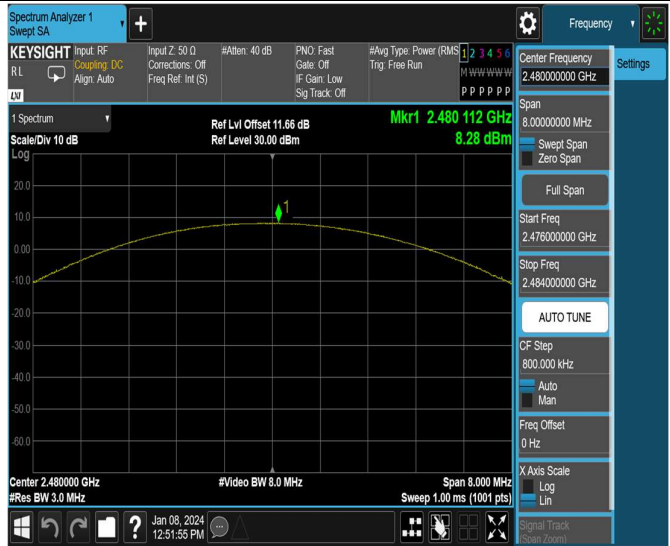
2DH5_Ant1_2402



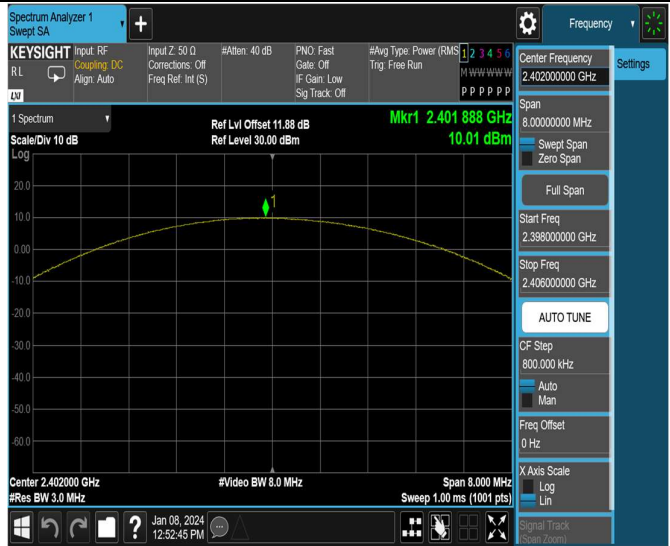
2DH5_Ant1_2441



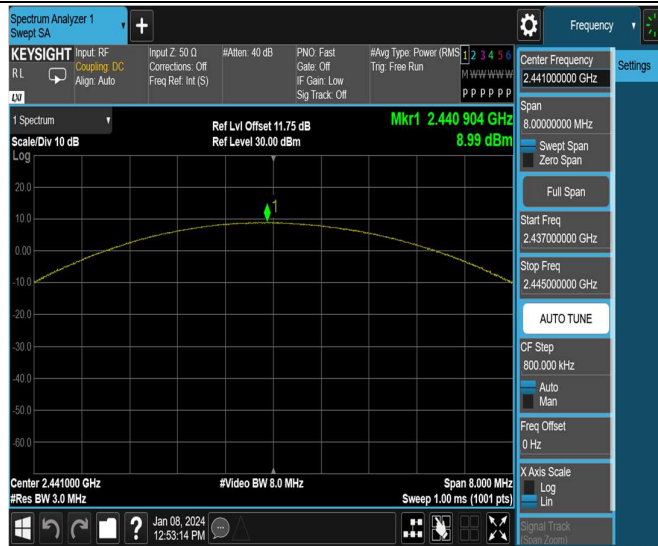
2DH5_Ant1_2480



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	1.004	≥ 0.966	PASS
2DH5	Ant1	Hop	1.278	≥ 0.904	PASS
3DH5	Ant1	Hop	1.164	≥ 0.876	PASS

Test Graphs



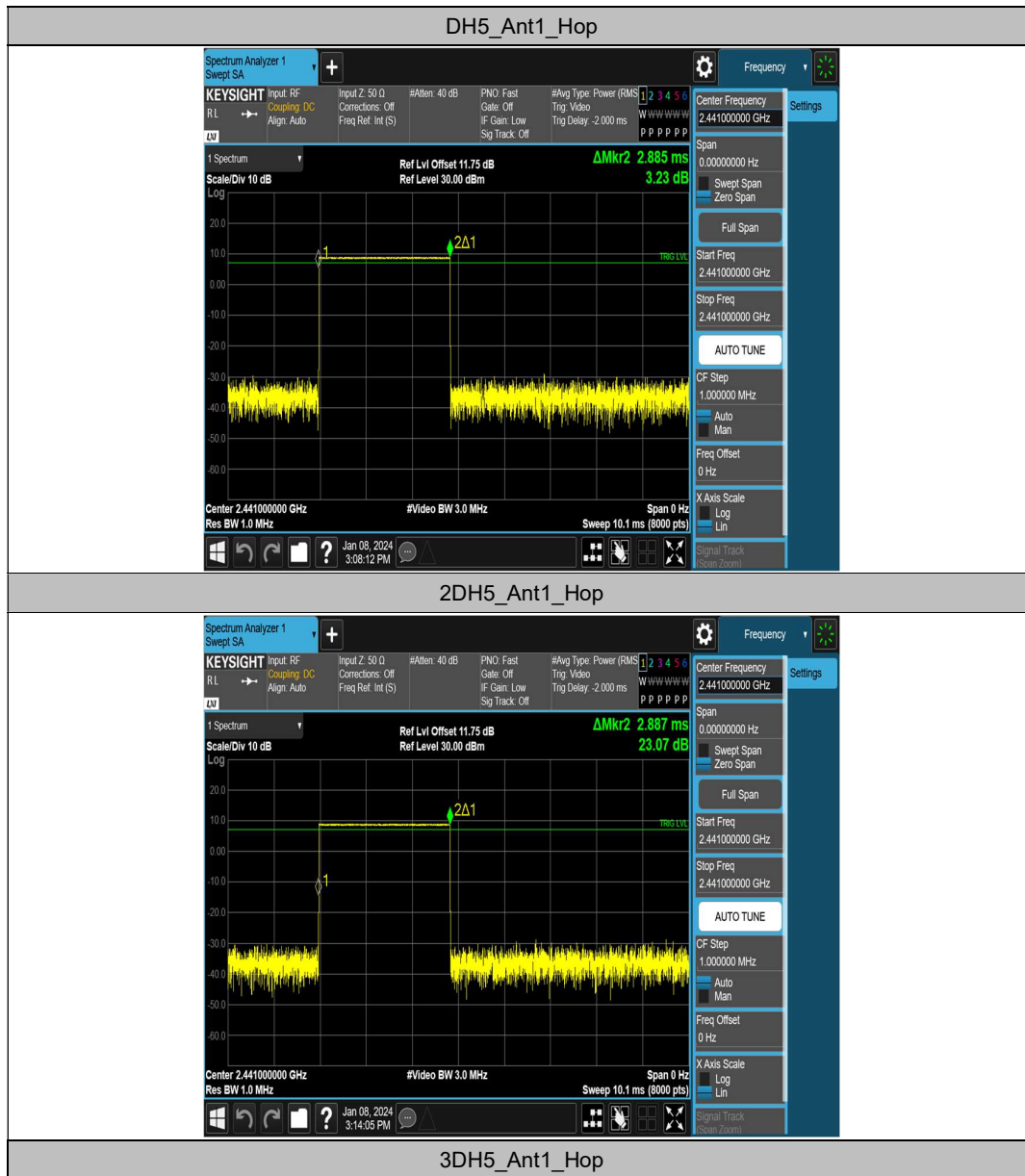


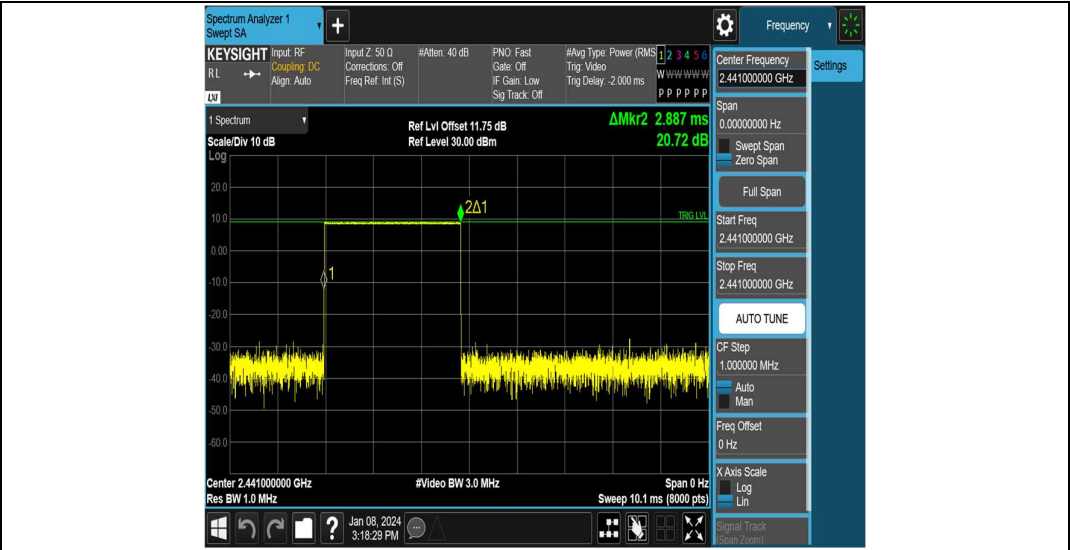
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS
2DH5	Ant1	Hop	2.887	106.67	0.308	≤0.4	PASS
3DH5	Ant1	Hop	2.887	106.67	0.308	≤0.4	PASS

Test Graphs





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

2DH5_Ant1_Hop

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input: RF Coupling: DC Corrections: Off #Atten: 40 dB PNO: Fast Gate: Off #Avg Type: Power (RMS) 1 2 3 4 5 6
RL Align: Auto Freq Ref: Int (S) Trg: Free Run M W W W W W W W P P P P P P

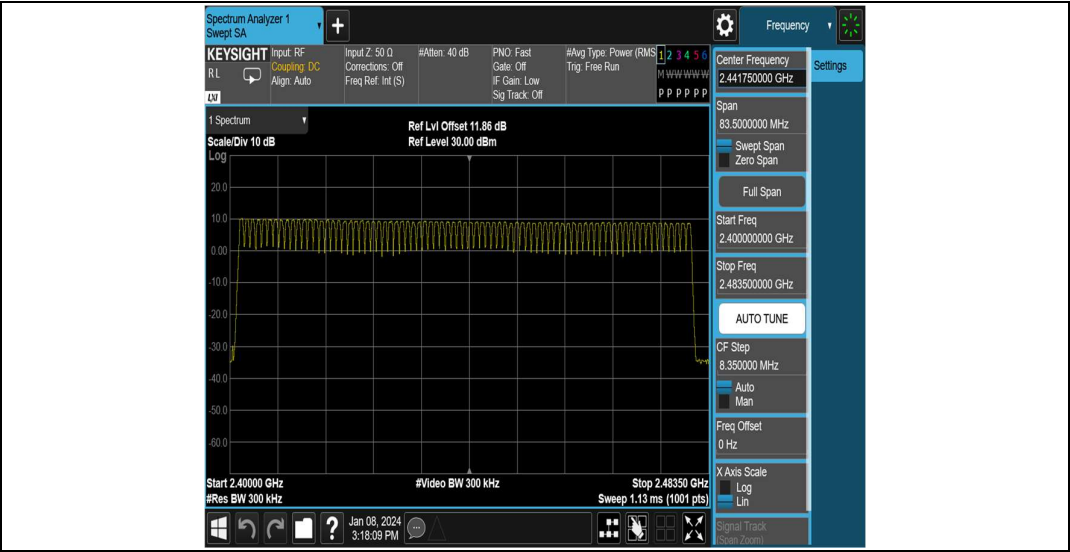
1 Spectrum Ref Lvl Offset 11.86 dB
Scale/Div 10 dB Ref Level 30.00 dBm
Log

Start 2.40000 GHz #Video BW 300 kHz Stop 2.48350 GHz
#Res BW 300 kHz Sweep 1.13 ms (1001 pts)

Center Frequency 2.441750000 GHz
Span 83.500000 MHz
Sweep Span Zero Span
Full Span
Start Freq 2.400000000 GHz
Stop Freq 2.483500000 GHz
AUTO TUNE
CF Step 8.350000 MHz
Auto Man
Freq Offset 0 Hz
X Axis Scale Log Lin
Signal Track (Scan Zoom)

Jan 08, 2024 3:07:51 PM

3DH5_Ant1_Hop



Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	9.51	-46.85	≤-10.49	PASS
		High	2480	8.41	-46.92	≤-11.59	PASS
		Low	Hop_2402	9.71	-46.28	≤-10.29	PASS
		High	Hop_2480	8.36	-45.76	≤-11.64	PASS
2DH5	Ant1	Low	2402	7.92	-43.5	≤-12.09	PASS
		High	2480	6.44	-46.96	≤-13.56	PASS
		Low	Hop_2402	9.22	-47.2	≤-10.79	PASS
		High	Hop_2480	7.99	-46.42	≤-12.01	PASS
3DH5	Ant1	Low	2402	8.04	-43.27	≤-11.96	PASS
		High	2480	6.44	-46.04	≤-13.56	PASS
		Low	Hop_2402	9.60	-46.07	≤-10.41	PASS
		High	Hop_2480	8.37	-46.26	≤-11.63	PASS