

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.535	2402.480	---	---
		2441	0.954	2440.535	2441.489	---	---
		2480	0.948	2479.535	2480.483	---	---
2DH5	Ant1	2402	1.278	2401.364	2402.642	---	---
		2441	1.272	2440.367	2441.639	---	---
		2480	1.278	2479.364	2480.642	---	---
3DH5	Ant1	2402	1.251	2401.361	2402.612	---	---
		2441	1.290	2440.349	2441.639	---	---
		2480	1.260	2479.358	2480.618	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

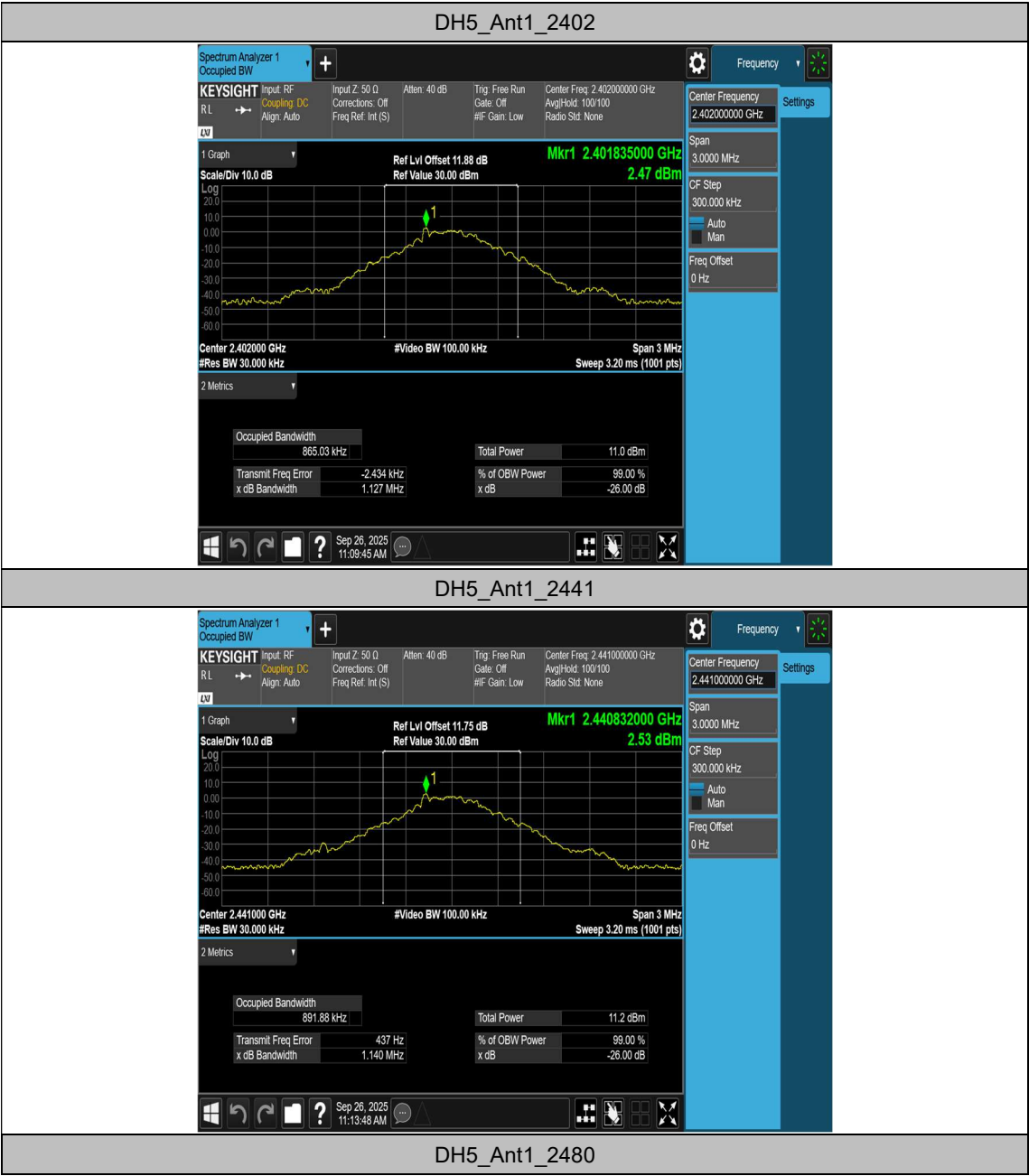


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86503	2401.5651	2402.4301	---	---
		2441	0.89188	2440.5545	2441.4464	---	---
		2480	0.88518	2479.5532	2480.4384	---	---
2DH5	Ant1	2402	1.1735	2401.4075	2402.5810	---	---
		2441	1.1759	2440.4061	2441.5820	---	---
		2480	1.1824	2479.4027	2480.5851	---	---
3DH5	Ant1	2402	1.1668	2401.4140	2402.5808	---	---
		2441	1.1666	2440.4134	2441.5800	---	---
		2480	1.1727	2479.4119	2480.5846	---	---

Test Graphs





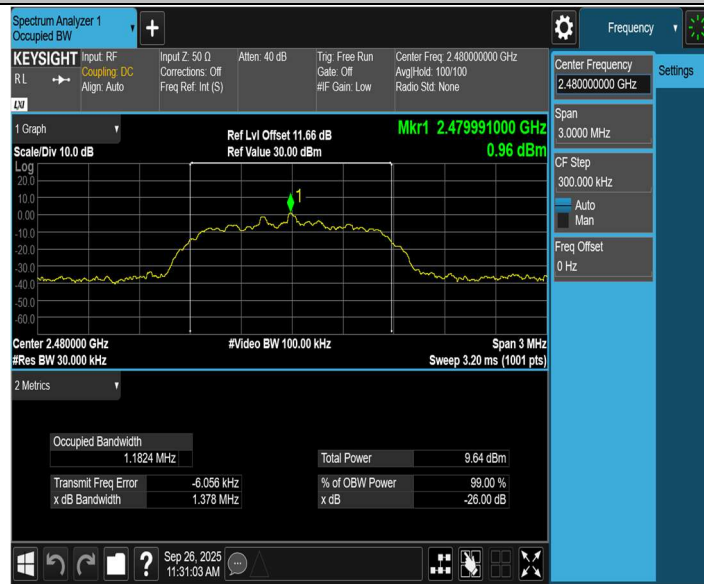
2DH5_Ant1_2402



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	4.04	≤ 20.97	PASS
		2441	3.91	≤ 20.97	PASS
		2480	3.79	≤ 20.97	PASS
2DH5	Ant1	2402	3.86	≤ 20.97	PASS
		2441	3.77	≤ 20.97	PASS
		2480	3.67	≤ 20.97	PASS
3DH5	Ant1	2402	4.13	≤ 20.97	PASS
		2441	4.05	≤ 20.97	PASS
		2480	3.91	≤ 20.97	PASS

Test Graphs



DH5_Ant1_2441

Spectrum Analyzer 1
Swept SA

KEYSIGHT
Input: RF
Coupling: DC
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: Free Run

1 2 3 4 5 6
M M M M M M
P P P P P P

Center Frequency
2.44100000 GHz

Span
8.00000000 MHz

Swept Span
Zero Span

Full Span

Start Freq
2.437000000 GHz

Stop Freq
2.445000000 GHz

AUTO TUNE

CF Step
800.000 kHz

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
Mkr1 2.440736 GHz
3.91 dBmCenter 2.441000 GHz
#Res BW 3.0 MHz
#Video BW 8.0 MHz
Span 8.000 MHz
Sweep 1.00 ms (1001 pts)Sep 26, 2025
11:59:58 AM

DH5_Ant1_2480



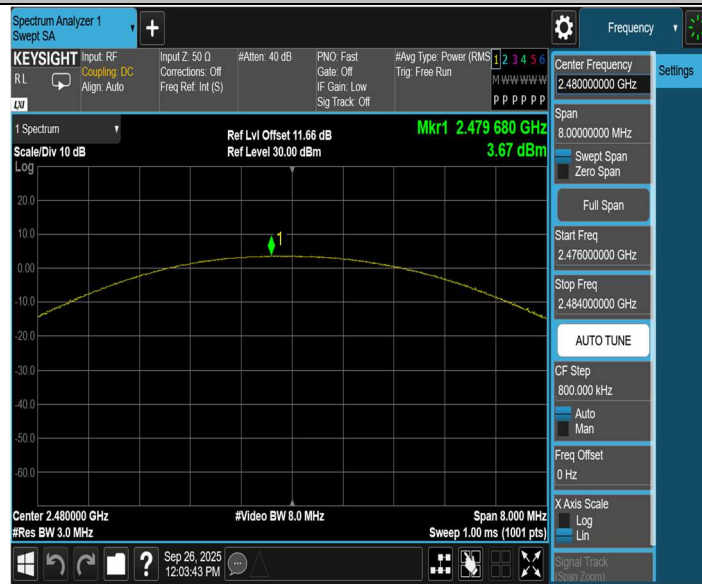
2DH5_Ant1_2402



2DH5_Ant1_2441



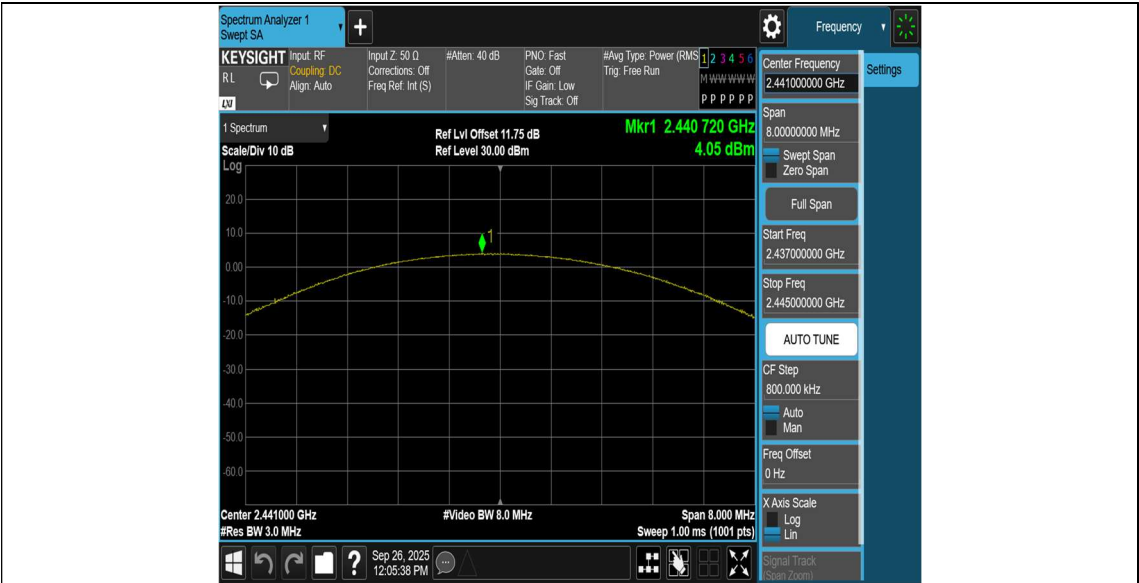
2DH5_Ant1_2480



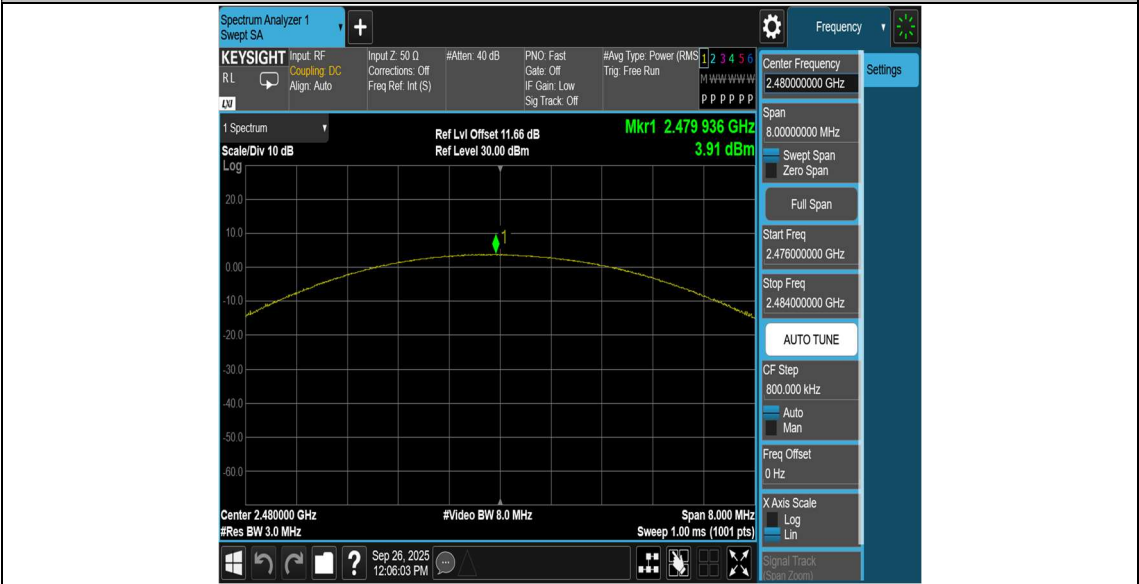
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



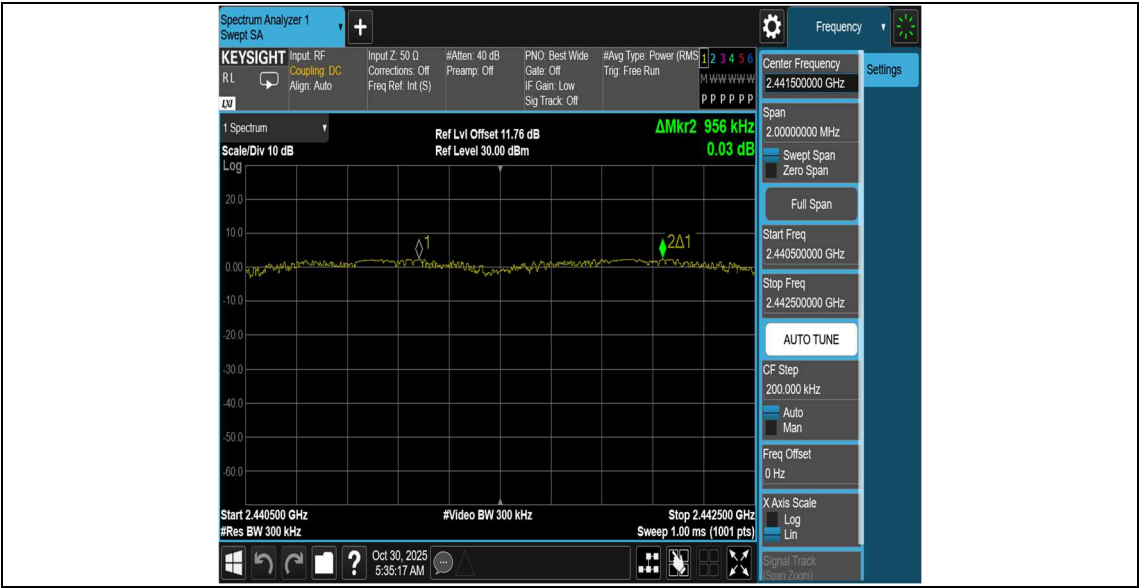
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.698	≥ 0.636	PASS
2DH5	Ant1	Hop	0.990	≥ 0.852	PASS
3DH5	Ant1	Hop	0.956	≥ 0.860	PASS

Test Graphs



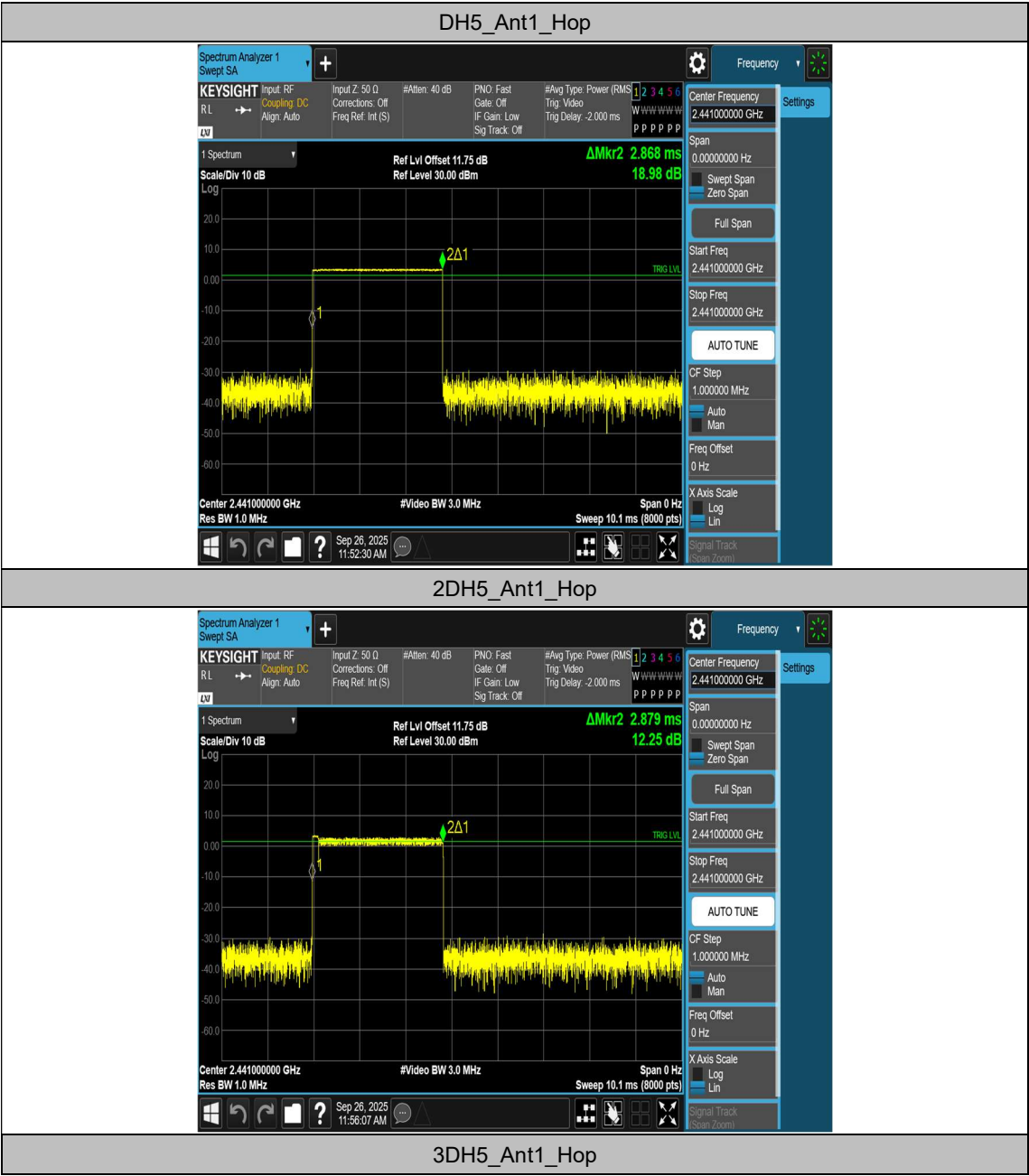


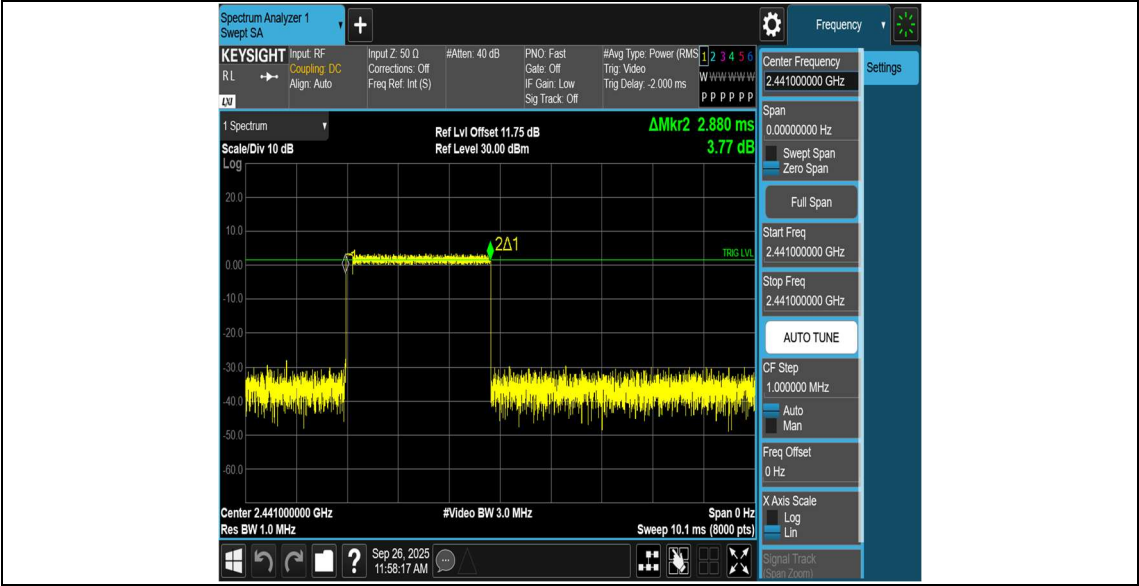
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.868	106.67	0.306	≤0.4	PASS
2DH5	Ant1	Hop	2.879	106.67	0.307	≤0.4	PASS
3DH5	Ant1	Hop	2.880	106.67	0.307	≤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

Test Graphs



2DH5_Ant1_Hop

Spectrum Analyzer 1
Swept SA

KEYSIGHT
Input: RF
Coupling: DC
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: Free Run

1 2 3 4 5 6
M N W W W W W
P P P P P P

Center Frequency
2.441750000 GHz

Span
83.5000000 MHz
Swept Span
Zero Span
Full Span

Start Freq
2.400000000 GHz

Stop Freq
2.483500000 GHz

AUTO TUNE

CF Step
8.3500000 MHz
Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

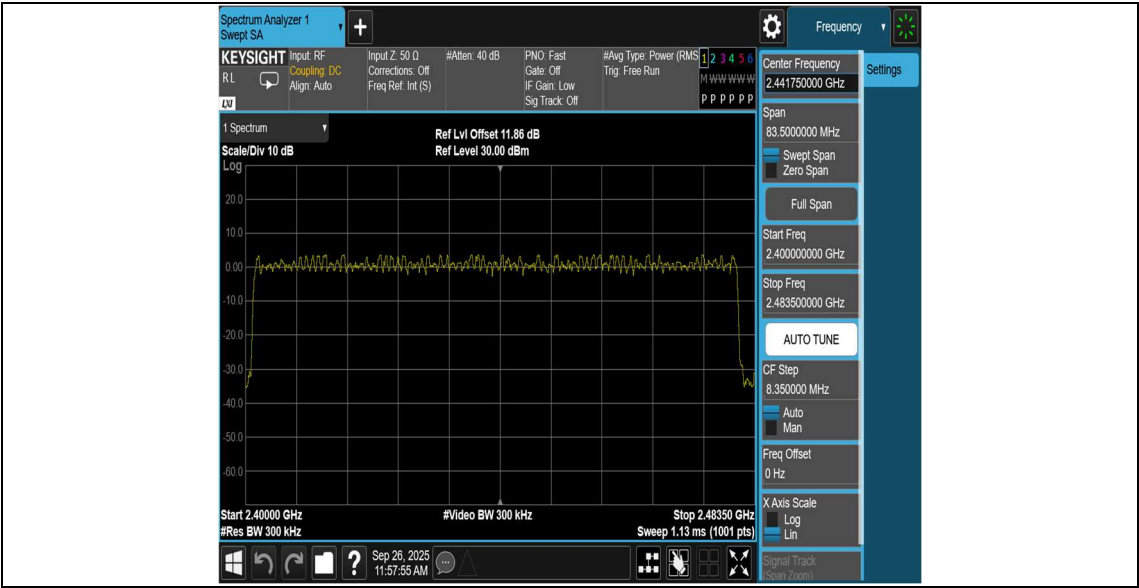
Signal Track
(Span Zoom)

1 Spectrum
Scale/Div 10 dB
Log
Ref Lvl Offset 11.86 dB
Ref Level 30.00 dBmStart 2.40000 GHz
#Res BW 300 kHz

#Video BW 300 kHz

Stop 2.48350 GHz
Sweep 1.13 ms (1001 pts)Sep 26, 2025
11:53:44 AM

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	3.53	-46.29	≤-16.47	PASS
		High	2480	3.36	-46.05	≤-16.64	PASS
		Low	Hop_2402	3.20	-46.27	≤-16.8	PASS
		High	Hop_2480	2.94	-46.47	≤-17.06	PASS
2DH5	Ant1	Low	2402	3.26	-47.35	≤-16.74	PASS
		High	2480	2.90	-46.79	≤-17.1	PASS
		Low	Hop_2402	-1.29	-46.93	≤-21.29	PASS
		High	Hop_2480	2.26	-46.39	≤-17.75	PASS
3DH5	Ant1	Low	2402	3.53	-46.7	≤-16.48	PASS
		High	2480	3.39	-46.41	≤-16.61	PASS
		Low	Hop_2402	3.39	-45.77	≤-16.61	PASS
		High	Hop_2480	1.24	-46.19	≤-18.76	PASS

Test Graphs



DH5_Ant1_High_2480

Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF
Coupling: DC
Align: Auto

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

#Atten: 30 dB

PNO: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

#Avg Type: Power (RMS)
Trig: Free Run

1 2 3 4 5 6
M M M M M M
P P P P P P

Center Frequency
2.510000000 GHz

Span
80.0000000 MHz

Swept Span
Zero Span

Full Span

Start Freq
2.470000000 GHz

Stop Freq
2.550000000 GHz

AUTO TUNE

CF Step
8.000000 MHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track
(Open Zoom)

1 Spectrum

Ref Lvl Offset 11.66 dB
Ref Level 20.00 dBm

Mkr4 2.534 56 GHz
-46.05 dBm

Log

10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0

Start 2.47000 GHz
#Res BW 100 kHz

#Video BW 300 kHz

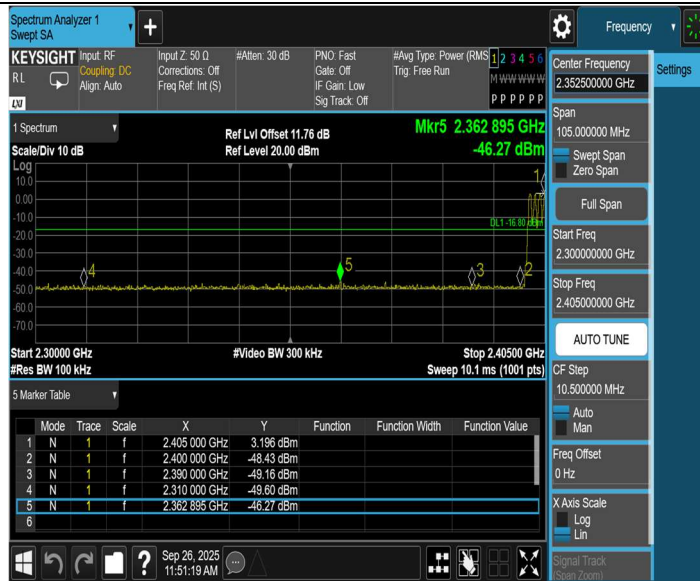
Stop 2.55000 GHz
Sweep 7.67 ms (1001 pts)

5 Marker Table

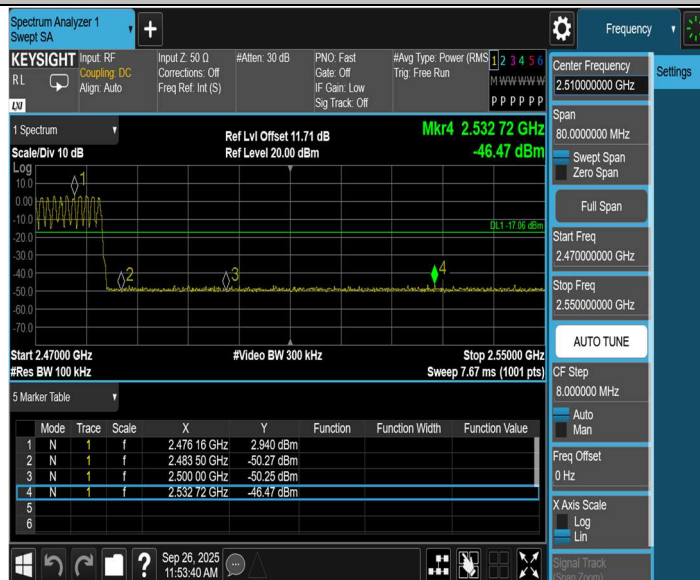
	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.479 84 GHz	3.360 dBm			
2	N	1	f	2.483 50 GHz	-48.40 dBm			
3	N	1	f	2.500 00 GHz	-48.63 dBm			
4	N	1	f	2.534 56 GHz	-46.05 dBm			
5								
6								

Sep 26, 2025
11:17:56 AM

DH5_Ant1_Low_Hop_2402



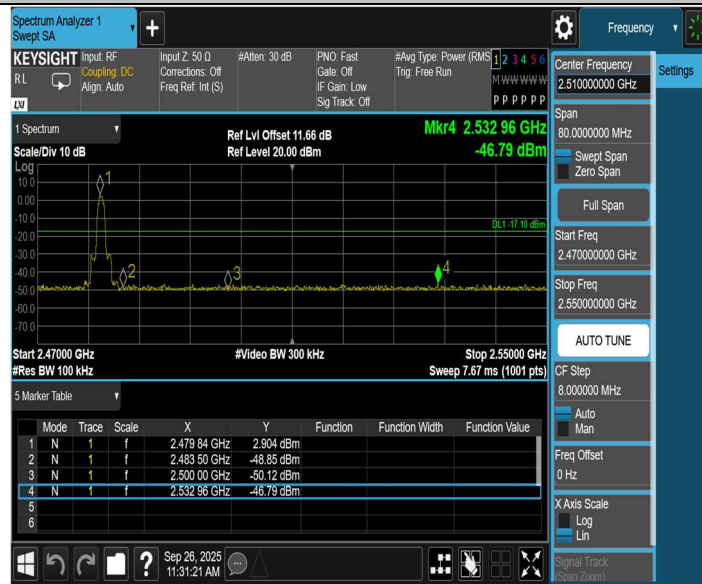
DH5_Ant1_High_Hop_2480



2DH5_Ant1_Low_2402



2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480