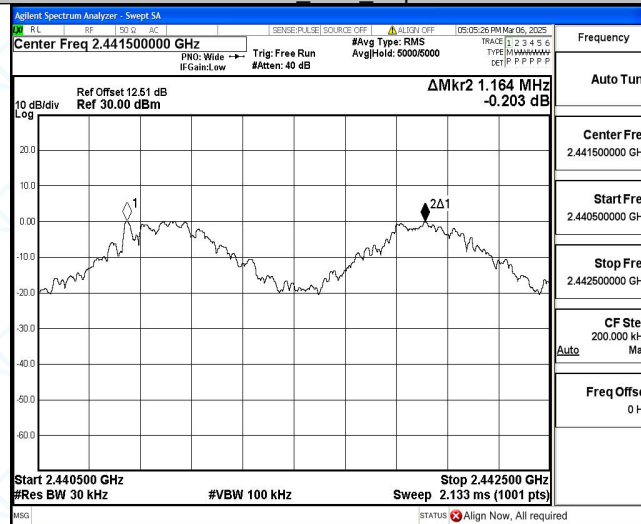


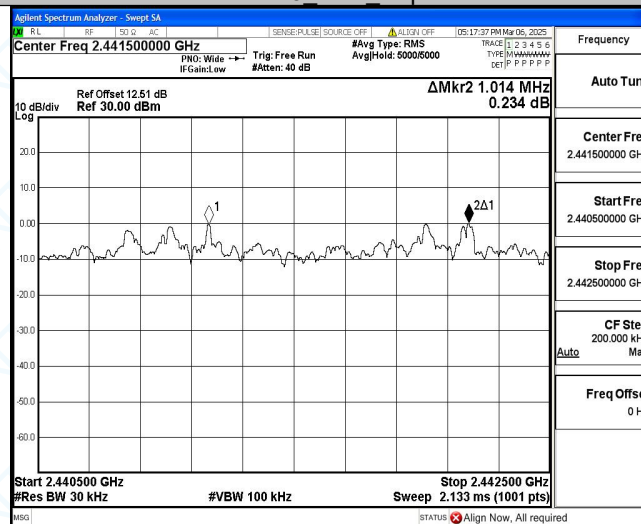


Test Graphs

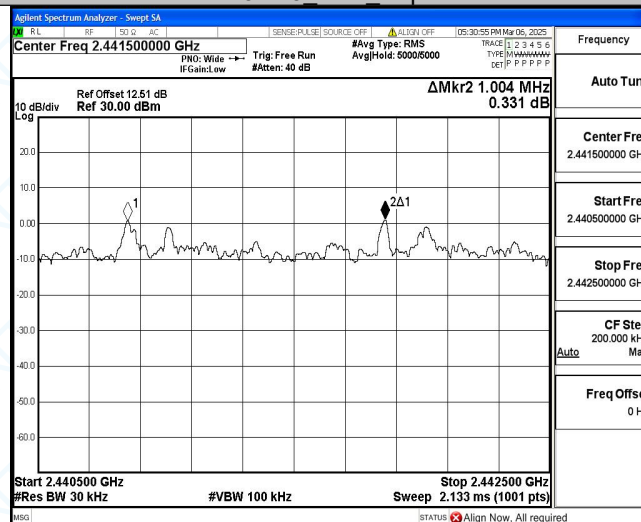
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





Appendix D: Dwell Time

Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.375	320	0.12	≤0.4	PASS
DH3	Ant1	Hop	1.631	160	0.261	≤0.4	PASS
DH5	Ant1	Hop	2.879	106.67	0.307	≤0.4	PASS
2DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.637	160	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.885	106.67	0.308	≤0.4	PASS
3DH1	Ant1	Hop	0.385	320	0.123	≤0.4	PASS
3DH3	Ant1	Hop	1.635	160	0.262	≤0.4	PASS
3DH5	Ant1	Hop	1.637	106.67	0.175	≤0.4	PASS



Page: 46 / 65

Ref Offset 12.61 dB
 Ref 22.51 dBm
 Center Freq 2.441000000 GHz
 Res BW 1.0 MHz
 #VBW 3.0 MHz
 Span 0 Hz
 Sweep 10.13 ms (8000 pts)

10 dB/div
 Log

2Δ1
 1
 TR0 LVL

Agilent Spectrum Analyzer - Sweep SA

SENSE: Pk [A] | SOURCE: OFF | ALTV: OFF | 05:09:15 PM Mar 06, 2025

Center Freq 2.441000000 GHz Trig Delay: 2.000 ms #Avg Type: RMS
PNO: Fast → Trig: Video IF Gain: Low #Atten: 20 dB

Frequency Auto Tuning

Ref Offset 12.51 dB **ΔMkr2 1.631 ms**
Ref 22.51 dBm **14.88 dB**

10 dB/div Log

12.5
7.49
-12.5
-17.5
-22.5
-27.5
-32.5
-37.5
-47.5
-57.5
-67.5

TRF LVL

Center Freq 2.441000000 GHz
Start Freq 2.441000000 GHz
Stop Freq 2.441000000 GHz
CF Step 1.000000 MHz
Auto
Freq Offset 0 Hz

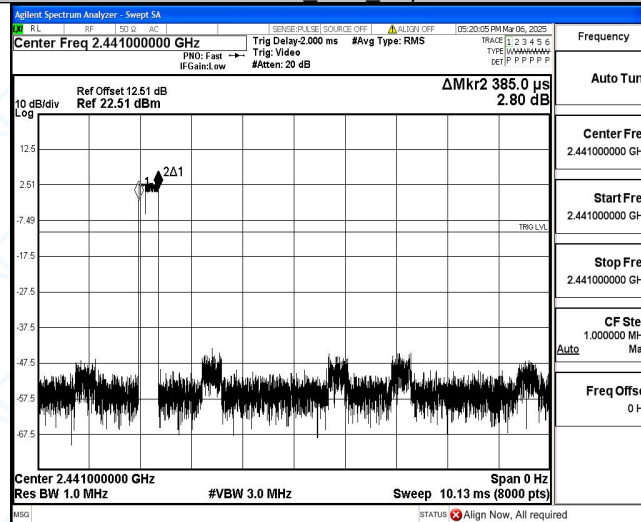
Center 2.441000000 GHz **Span 0 Hz**
Res BW 1.0 MHz **#VBW 3.0 MHz** **Sweep 10.13 ms (8000 pts)**

STATUS ☒ Align Now. All required

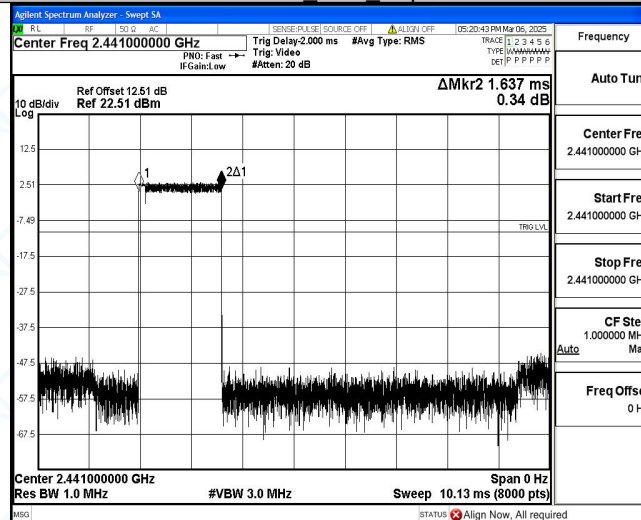
The screenshot displays the Agilent Spectrum Analyzer interface. The main display shows a signal spectrum with a reference level of 22.51 dBm. A marker is placed at 2.879 ms, indicating a signal level of 20 dB. The frequency is centered at 2.441 GHz. The resolution bandwidth (RBW) is 3.0 MHz, and the span is 0 Hz. The display is set to a log scale for the y-axis (dBm) and a linear scale for the x-axis (frequency). The status bar at the bottom indicates the current settings: Center Freq 2.441000000 GHz, Res BW 1.0 MHz, #VBW 3.0 MHz, Sweep 10.13 ms (8000 pts), Span 0 Hz, and a status message: STATUS: Align Now. All required.



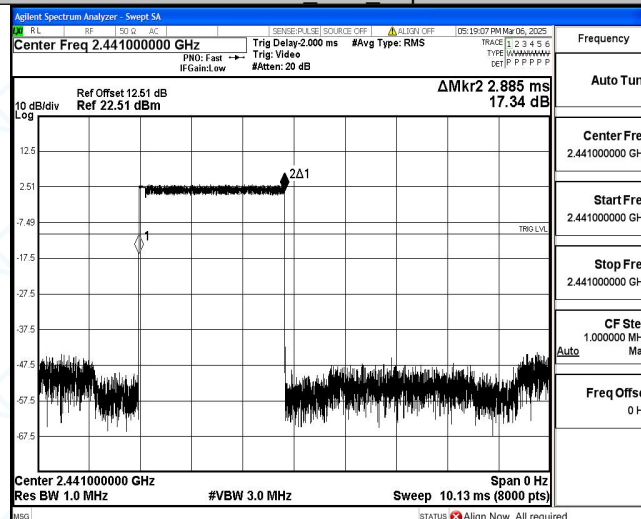
2DH1 Ant1 Hop



2DH3 Ant1 Hop

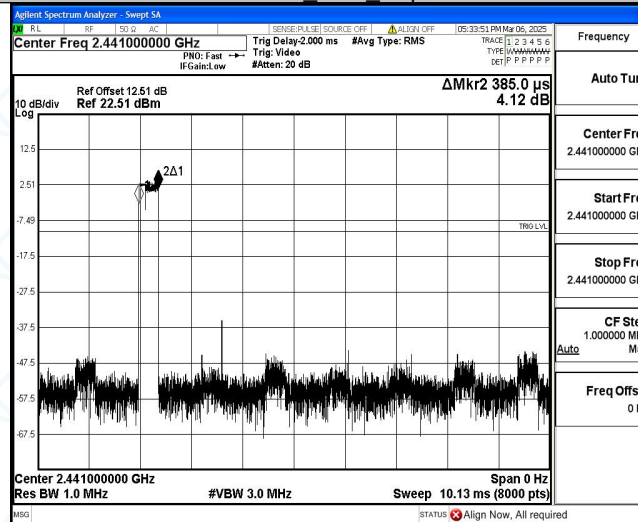


2DH5 Ant1 Hop

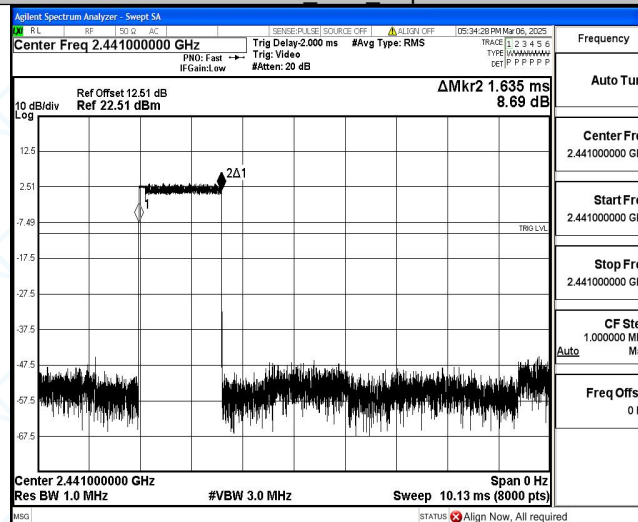




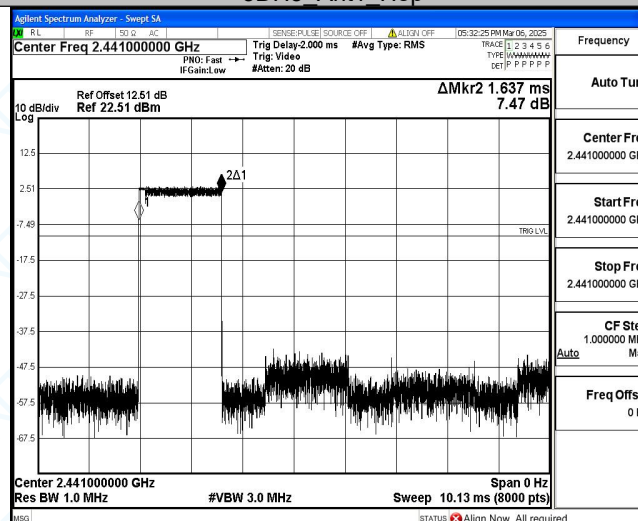
3DH1 Ant1 Hop



3DH3 Ant1 Hop



3DH5 Ant1 Hop





Appendix E: Number of hopping channels

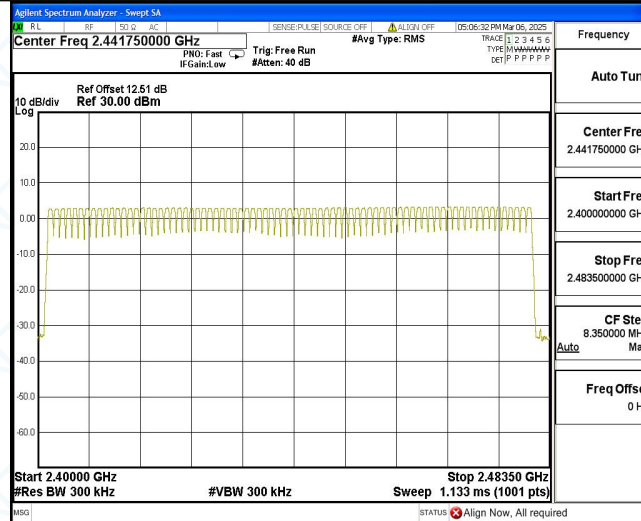
Test Result

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

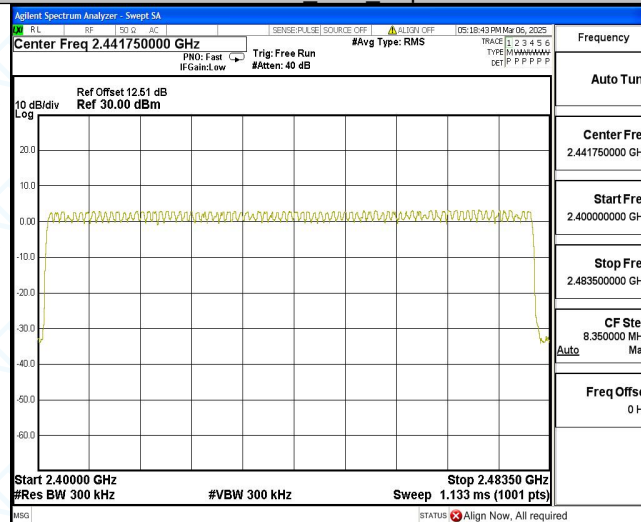


Test Graphs

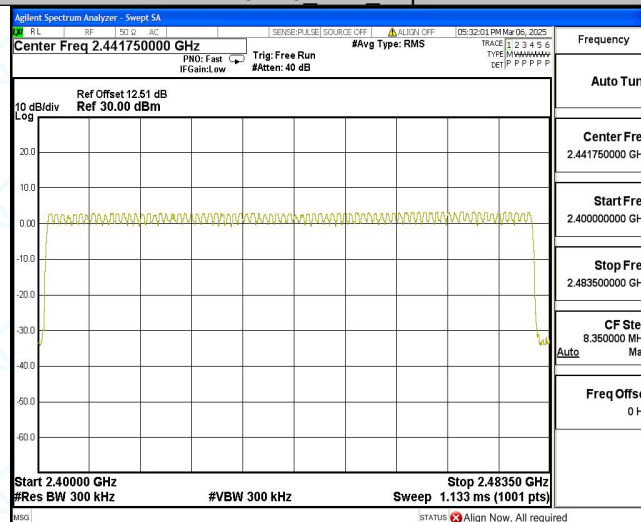
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





Appendix F: Band edge measurements

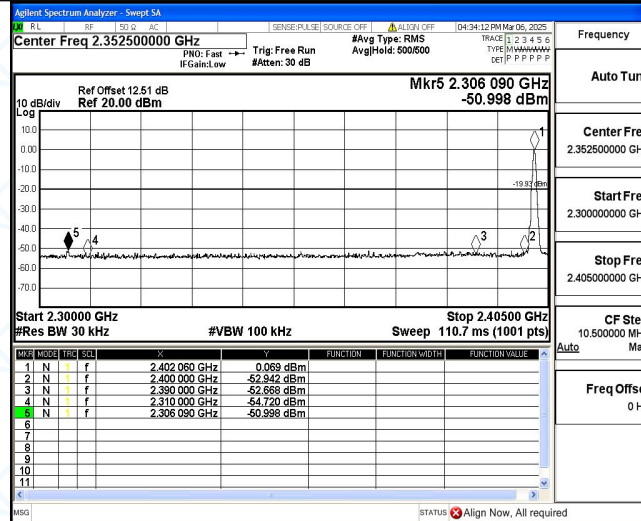
Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.07	-51	≤ -19.93	PASS
		High	2480	0.43	-50.52	≤ -19.57	PASS
		Low	Hop_2402	-0.35	-49.56	≤ -20.35	PASS
		High	Hop_2480	0.69	-47.31	≤ -19.32	PASS
2DH5	Ant1	Low	2402	-0.08	-50.11	≤ -20.08	PASS
		High	2480	-1.37	-50.51	≤ -21.37	PASS
		Low	Hop_2402	-4.75	-50.21	≤ -24.75	PASS
		High	Hop_2480	-2.31	-48.86	≤ -22.31	PASS
3DH5	Ant1	Low	2402	0.14	-50.58	≤ -19.86	PASS
		High	2480	-3.19	-50.1	≤ -23.19	PASS
		Low	Hop_2402	0.43	-50.3	≤ -19.58	PASS
		High	Hop_2480	0.52	-47.2	≤ -19.48	PASS

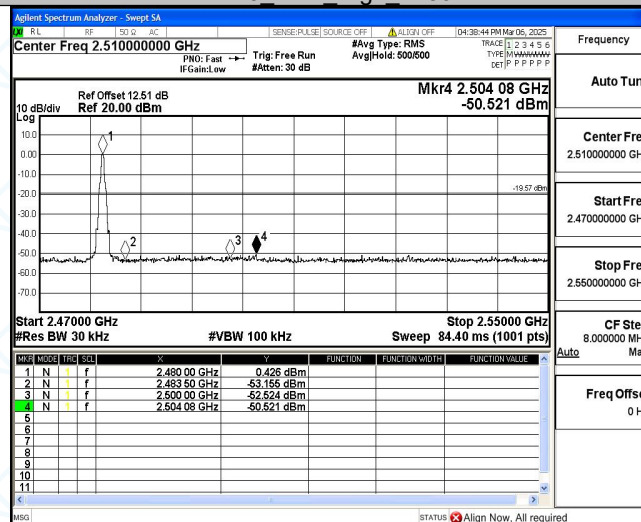


Test Graphs

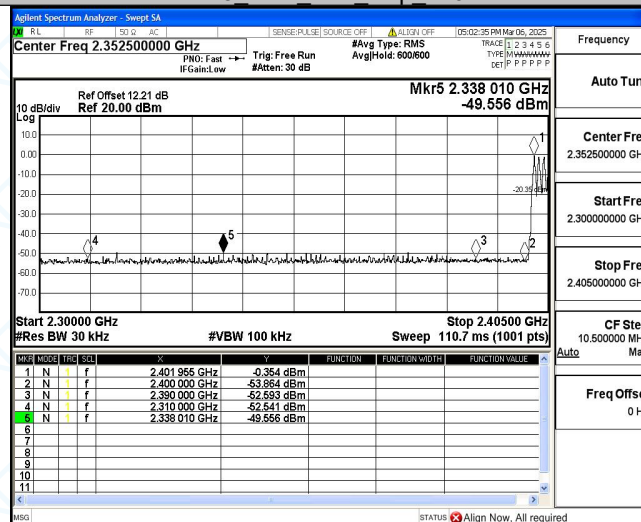
DH5 Ant1 Low 2402



DH5 Ant1 High 2480

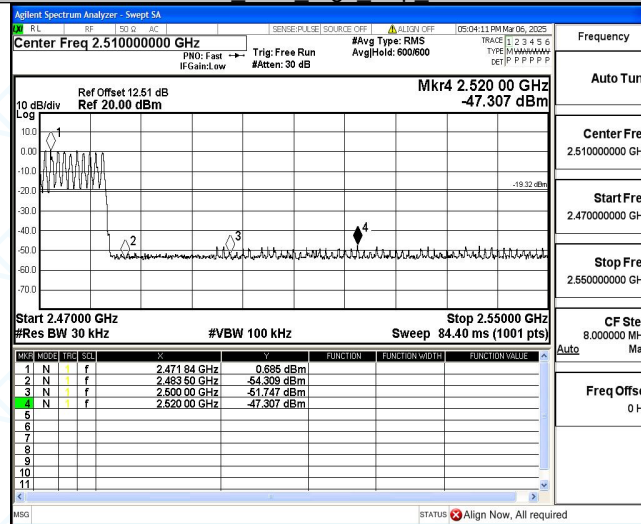


DH5 Ant1 Low Hop 2402

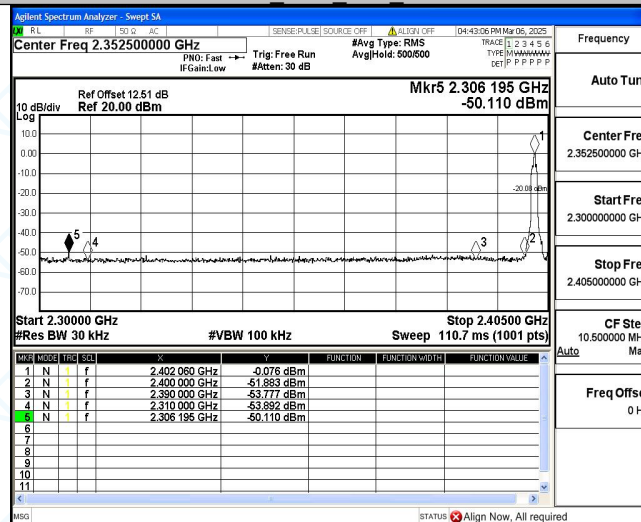




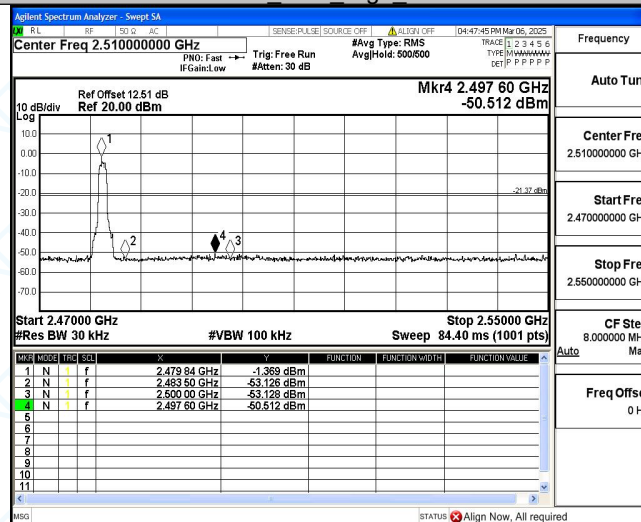
DH5 Ant1 High Hop 2480



2DH5 Ant1 Low 2402

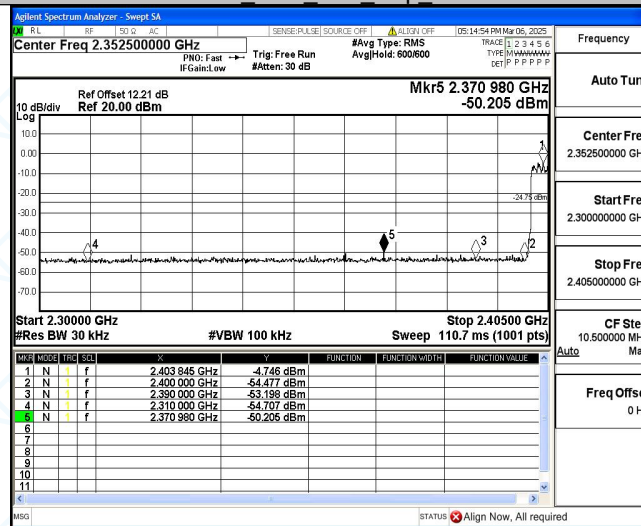


2DH5 Ant1 High 2480

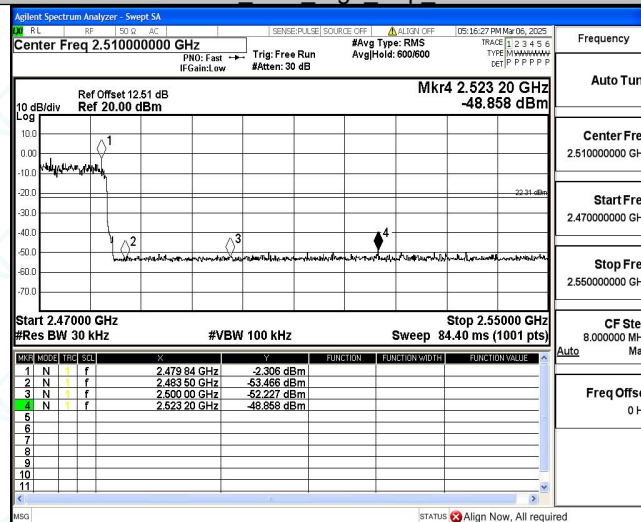




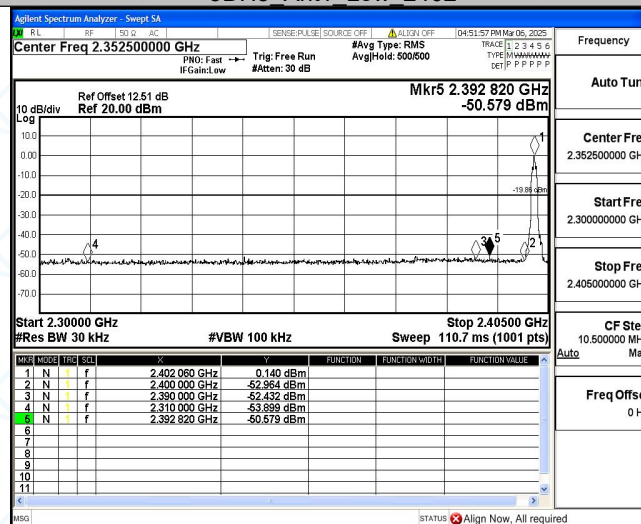
2DH5 Ant1 Low Hop 2402



2DH5 Ant1 High Hop 2480

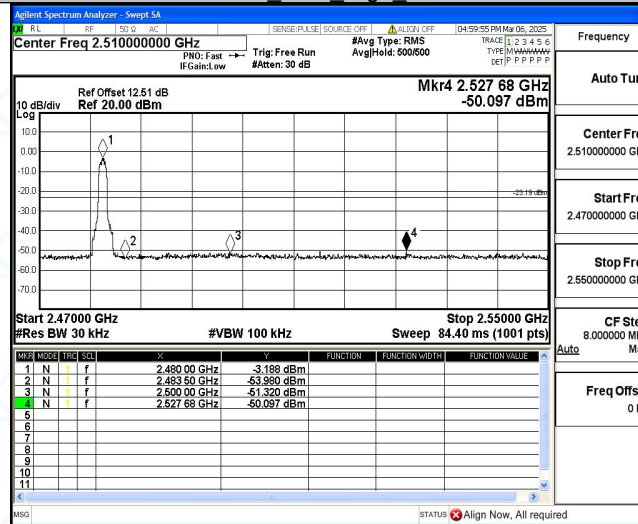


3DH5 Ant1 Low 2402

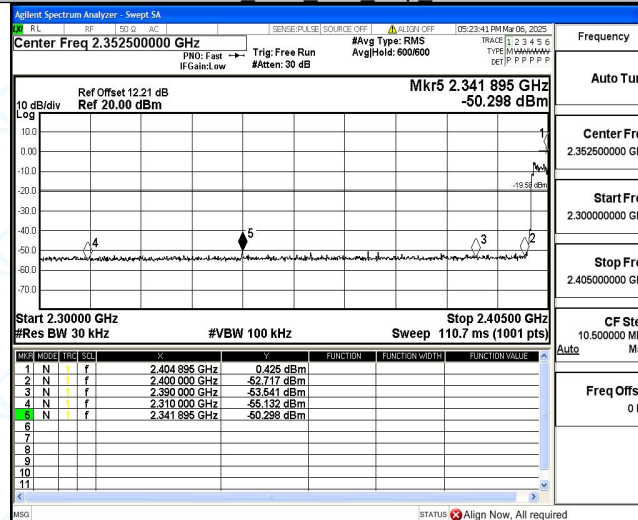




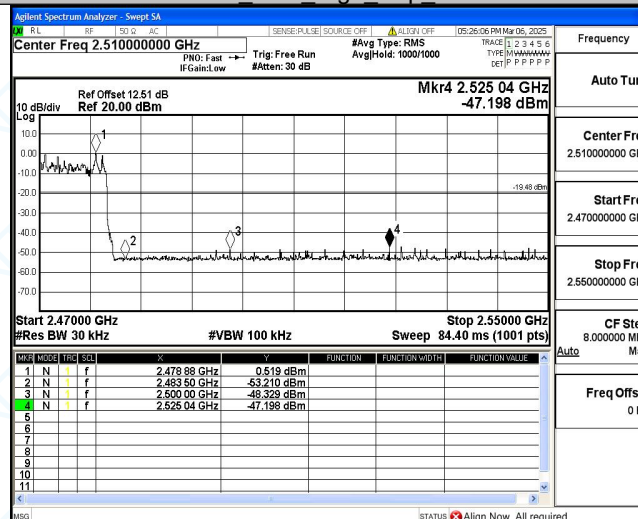
3DH5 Ant1 High 2480



3DH5 Ant1 Low Hop 2402



3DH5 Ant1 High Hop 2480





Appendix G: Conducted Spurious Emission

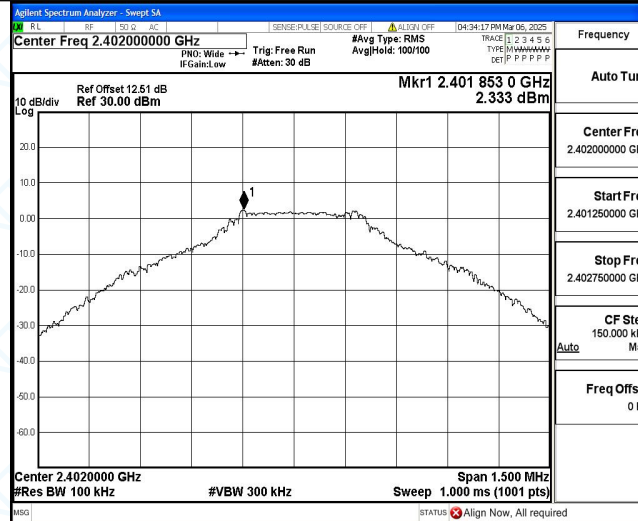
Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.33	2.33	---	PASS
			30~1000	2.33	-42.17	≤ -17.67	PASS
			1000~26500	2.33	-40.98	≤ -17.67	PASS
		2441	Reference	2.03	2.03	---	PASS
			30~1000	2.03	-49.92	≤ -17.97	PASS
			1000~26500	2.03	-41.46	≤ -17.97	PASS
		2480	Reference	2.40	2.40	---	PASS
			30~1000	2.40	-48.67	≤ -17.6	PASS
			1000~26500	2.40	-39.77	≤ -17.6	PASS
2DH5	Ant1	2402	Reference	1.40	1.40	---	PASS
			30~1000	1.40	-53.09	≤ -18.6	PASS
			1000~26500	1.40	-40.44	≤ -18.6	PASS
		2441	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-32.75	≤ -18	PASS
			1000~26500	2.00	-41.28	≤ -18	PASS
		2480	Reference	2.64	2.64	---	PASS
			30~1000	2.64	-53.53	≤ -17.36	PASS
			1000~26500	2.64	-40.06	≤ -17.36	PASS
3DH5	Ant1	2402	Reference	2.38	2.38	---	PASS
			30~1000	2.38	-52.64	≤ -17.62	PASS
			1000~26500	2.38	-40.35	≤ -17.62	PASS
		2441	Reference	2.43	2.43	---	PASS
			30~1000	2.43	-50.53	≤ -17.57	PASS
			1000~26500	2.43	-41.4	≤ -17.57	PASS
		2480	Reference	2.71	2.71	---	PASS
			30~1000	2.71	-54.06	≤ -17.29	PASS
			1000~26500	2.71	-40.84	≤ -17.29	PASS

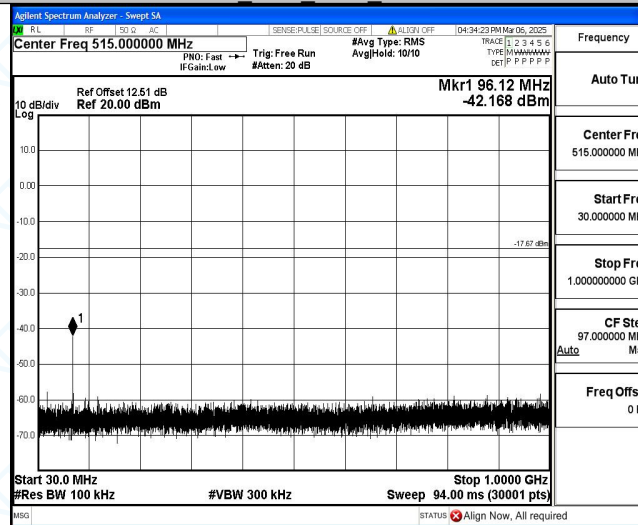


Test Graphs

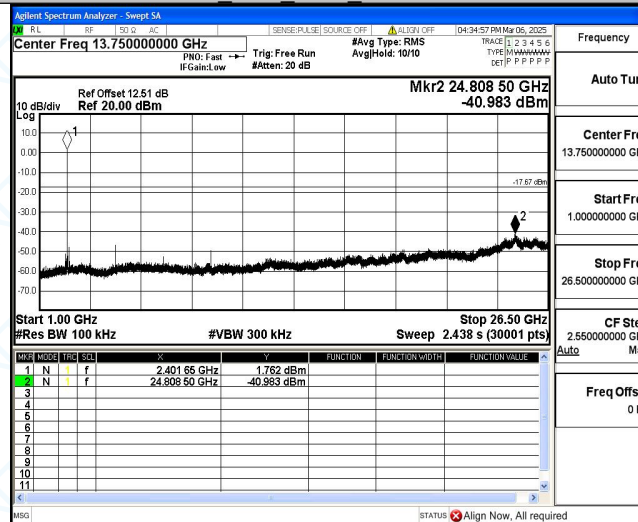
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000

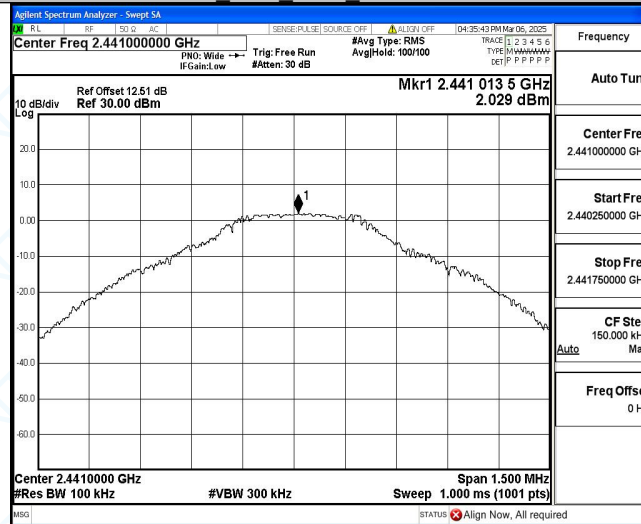


DH5_Ant1_2402_1000~26500

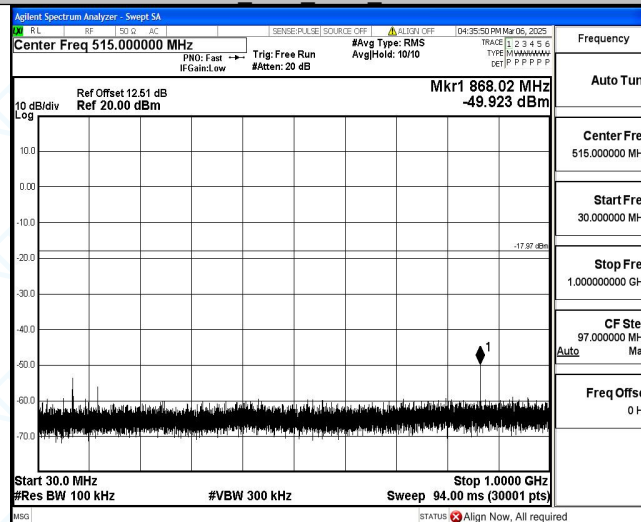




DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



DH5_Ant1_2441_1000~26500

