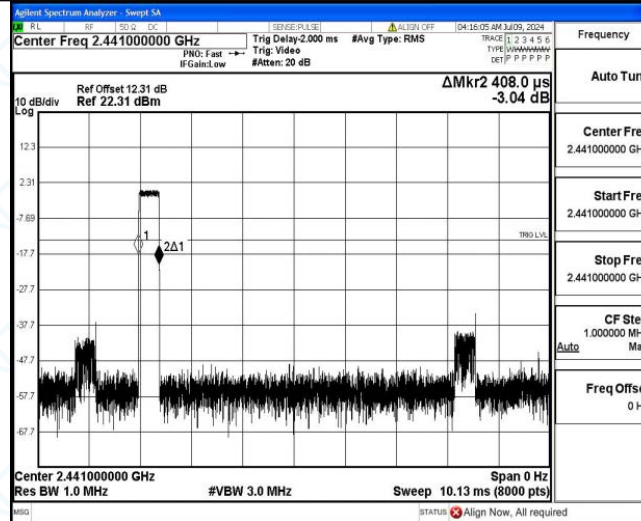
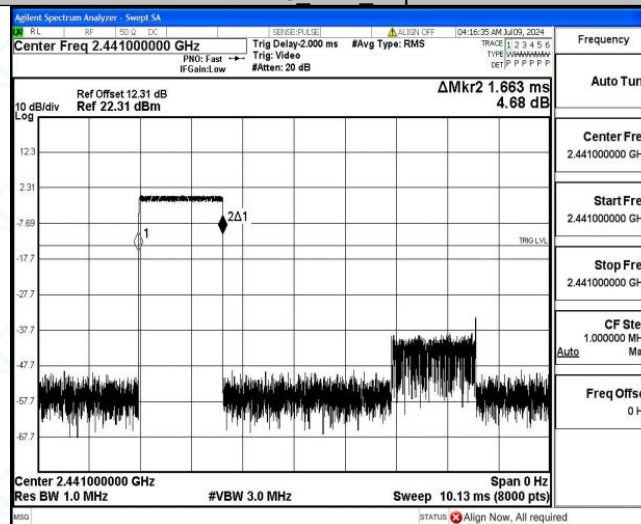


Test Graphs

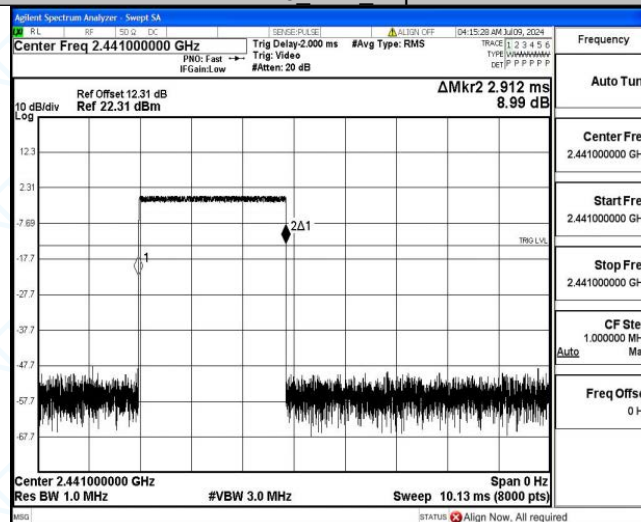
DH1 Ant1 Hop



DH3_Ant1_Hop

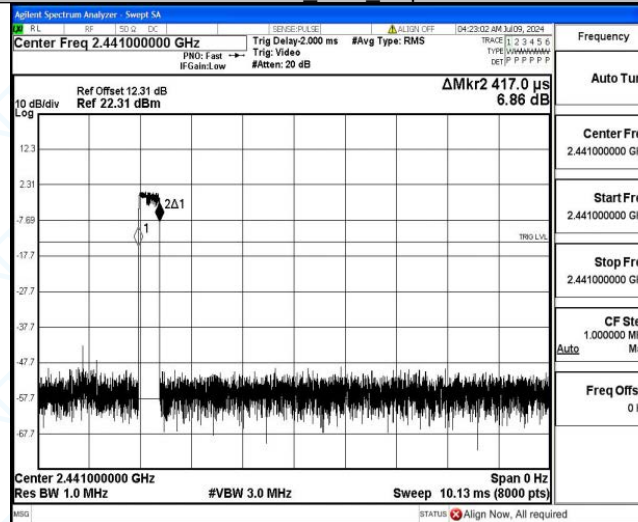


DH5_Ant1_Hop

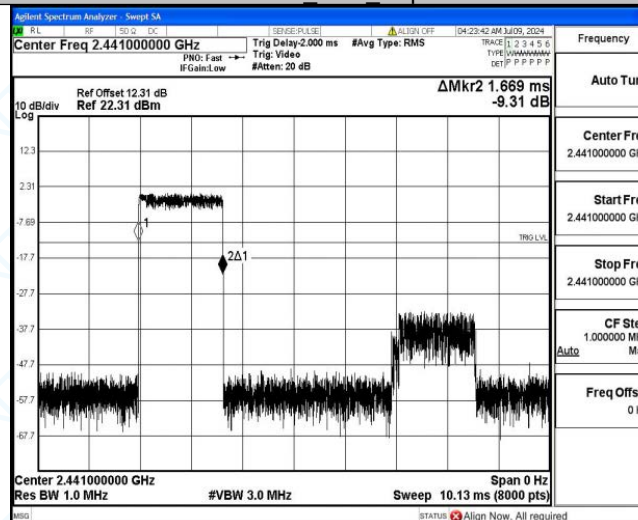




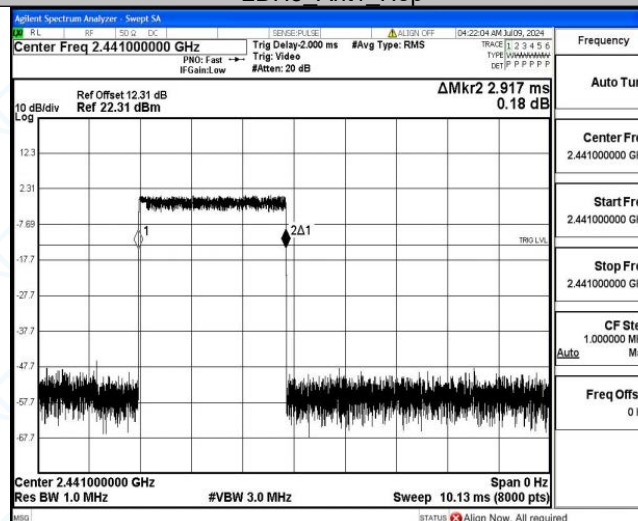
2DH1 Ant1 Hop



2DH3 Ant1 Hop



2DH5 Ant1 Hop





Agilent Spectrum Analyzer - Sweep 5A

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms #Avg Type: RMS

PRF: Fast IF Gain: Low #Atten: 20 dB

04/36/23 AM 3:09, 2024

TRACE 1: 2 3 4 5
TYPE: VVVVVVVVVV
DEF: P P P P P

Frequency

Auto Tun

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

10 dB/div

Ref Offset 12.31 dB

Ref 22.31 dBm

Δ Mkr2 419.0 μ s

2.71 dB

12.3

2.31

7.68

17.7

27.7

37.7

47.7

57.7

67.7

TR0 LVL

Center 2.441000000 GHz

Res BW 1.0 MHz

#VBW 3.0 MHz

Sweep 10.13 ms (8000 pts)

Span 0 Hz

STATUS Align Now. All required

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Ref Offset: 12.31 dB

Ref 22.31 dBm

Span 0 Hz

Res BW 1.0 MHz

#VBW 3.0 MHz

Sweep 10.13 ms (8000 pts)

DMkr2 1.669 ms

-4.83 dB

2d1

10 dBdiv

Log

12.3

2.31

7.68

17.7

27.7

37.7

47.7

57.7

67.7

Center Freq 2.441000000 GHz

Start Freq 2.441000000 GHz

Stop Freq 2.441000000 GHz

CF Step 1.0000000 MHz

Auto

Freq Offset 0 Hz

STATUS ☒ Align Now. All required

Ref Offset 12.31 dB
Ref 22.31 dBm

Center Freq 2.441000000 GHz
Res BW 1.0 MHz
#VBW 3.0 MHz
Sweep 10.13 ms (8000 pts)

DMkr2 2.921 ms
-3.90 dB

10 dB/div
Log

12.3
2.31
-7.68
-17.7
-27.7
-37.7
-47.7
-57.7
-67.7

1
2d1

TR02 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



Appendix F: Number of hopping channels

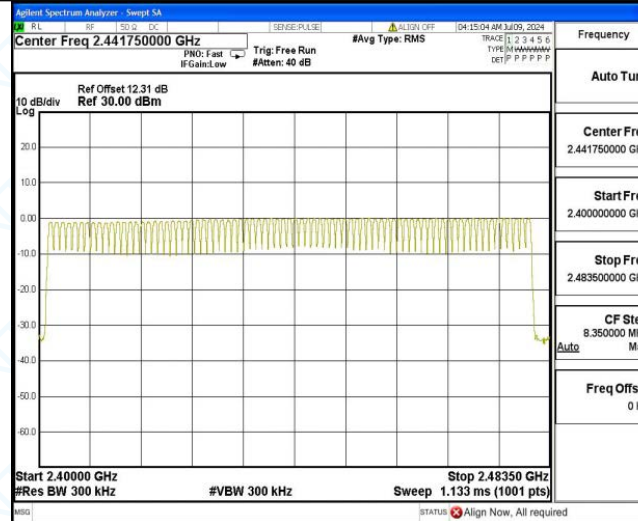
Test Result

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

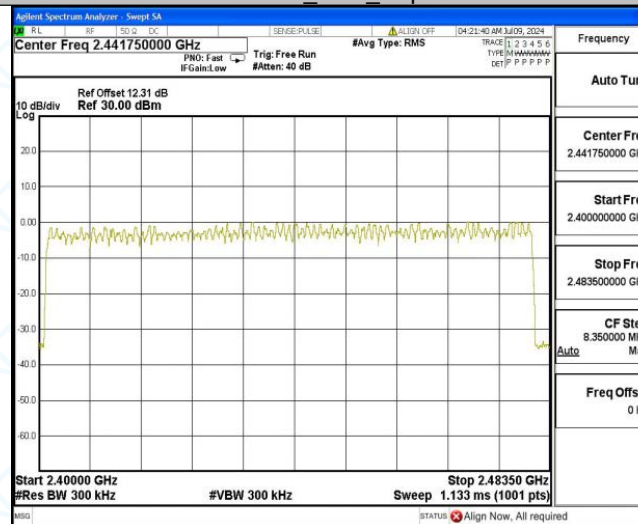


Test Graphs

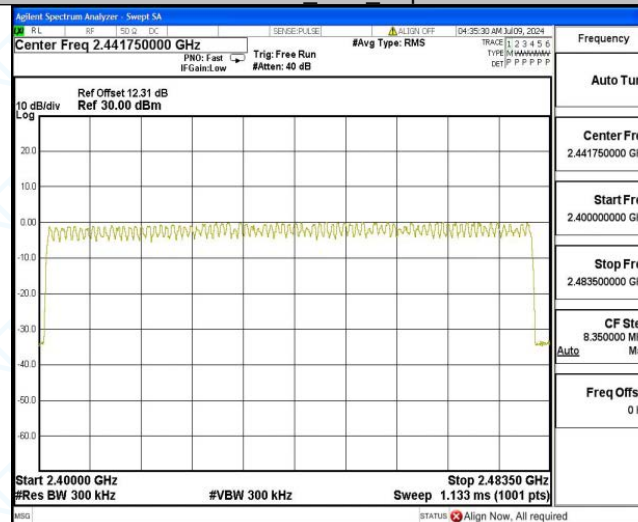
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop





Appendix F: Band edge measurements

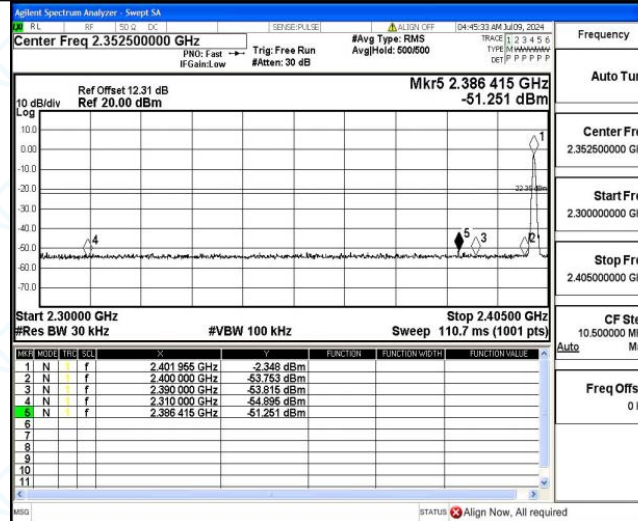
Test Result

Test Mode	Antenna	Ch Name	Freq(MHz)	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.35	-51.25	≤-22.35	PASS
		High	2480	-1.20	-48.35	≤-21.2	PASS
		Low	Hop_2402	-4.61	-52.6	≤-24.61	PASS
		High	Hop_2480	-2.75	-50.33	≤-22.75	PASS
2DH5	Ant1	Low	2402	-2.84	-51.89	≤-22.84	PASS
		High	2480	-4.26	-51.5	≤-24.26	PASS
		Low	Hop_2402	-6.08	-52.34	≤-26.08	PASS
		High	Hop_2480	-1.98	-51.55	≤-21.98	PASS
3DH5	Ant1	Low	2402	-2.81	-51.96	≤-22.81	PASS
		High	2480	-1.23	-50.26	≤-21.23	PASS
		Low	Hop_2402	-2.63	-52.3	≤-22.63	PASS
		High	Hop_2480	-1.67	-51.35	≤-21.67	PASS

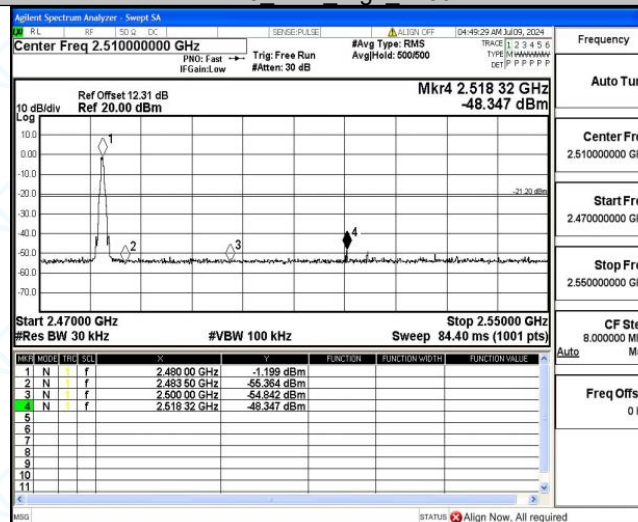


Test Graphs

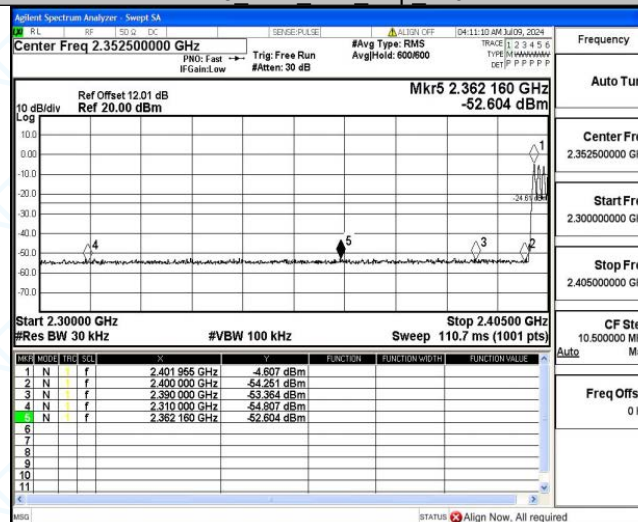
DH5_Ant1_Low_2402



DH5_Ant1_High_2480

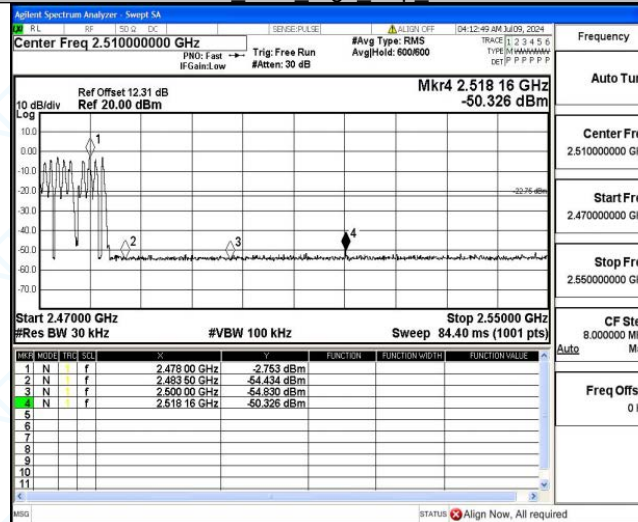


DH5_Ant1_Low_Hop_2402

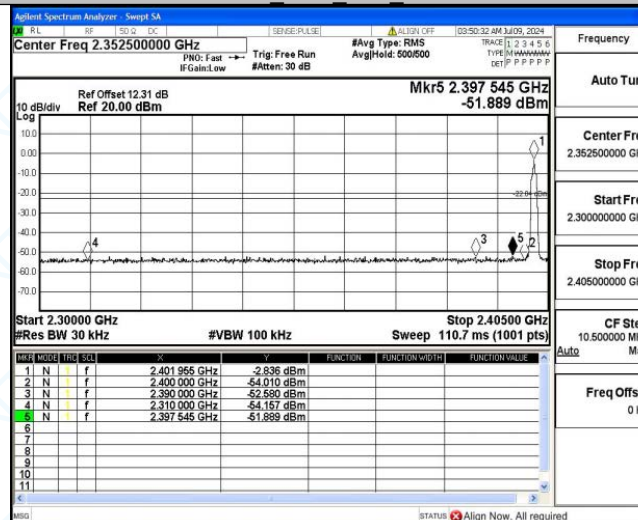




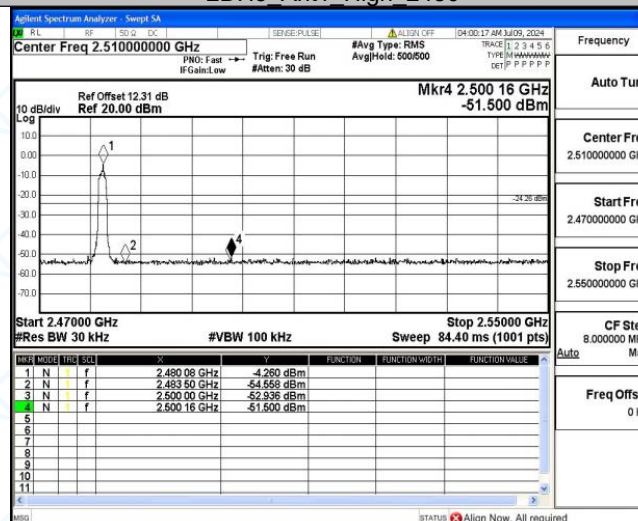
DH5 Ant1 High Hop 2480



2DH5 Ant1 Low 2402

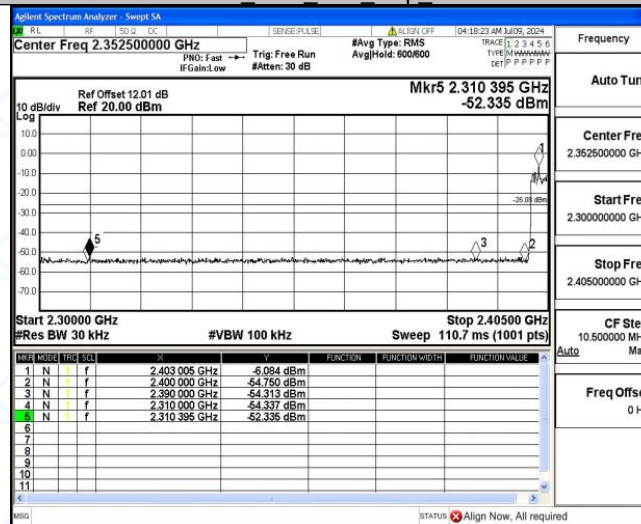


2DH5 Ant1 High 2480

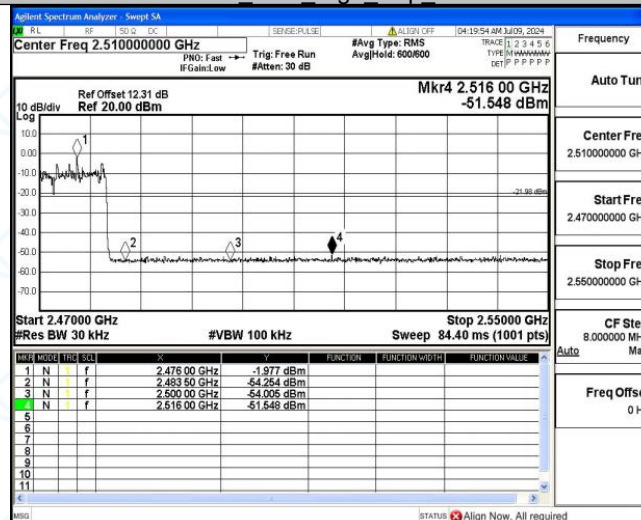




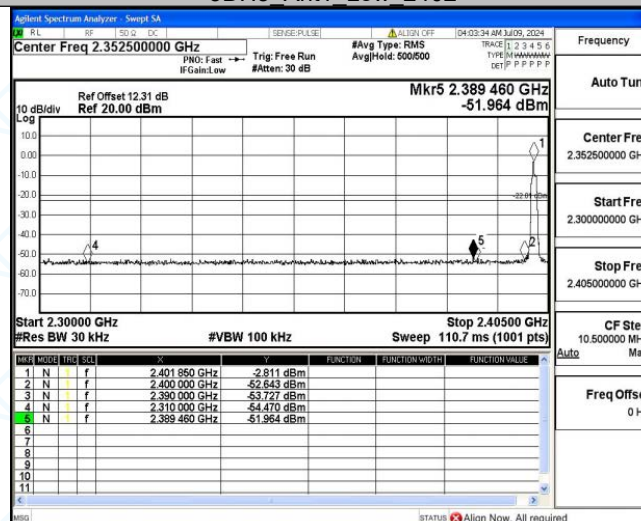
2DH5 Ant1 Low Hop 2402



2DH5 Ant1 High Hop 2480

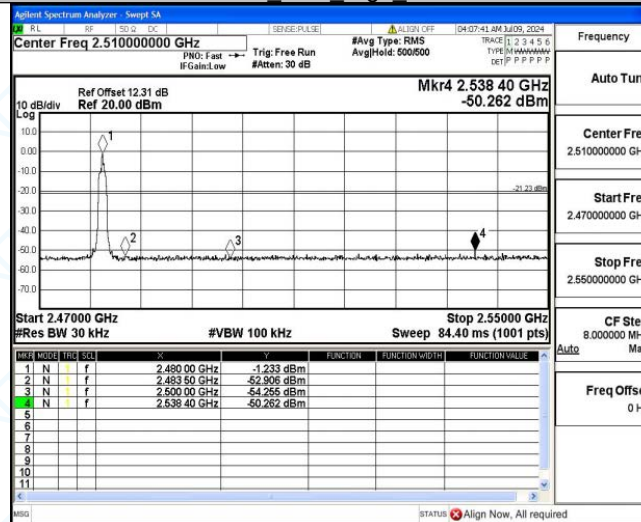


3DH5 Ant1 Low 2402

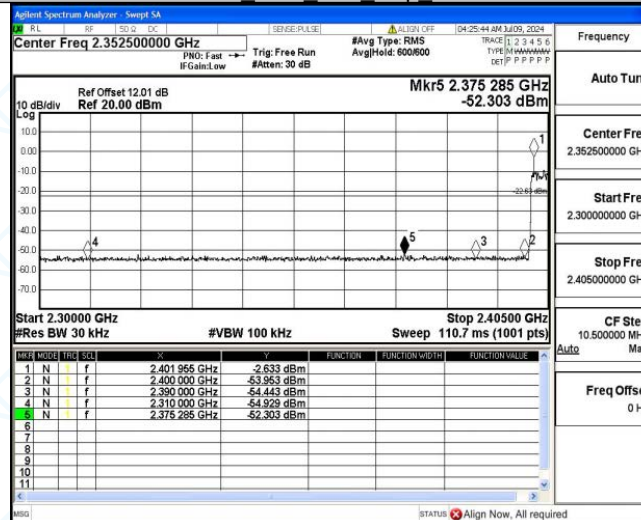




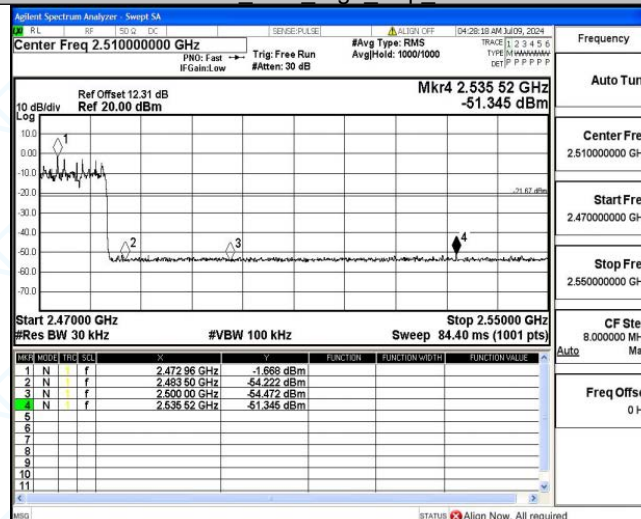
3DH5 Ant1 High 2480



3DH5 Ant1 Low Hop 2402



3DH5 Ant1 High Hop 2480





Appendix F: Conducted Spurious Emission

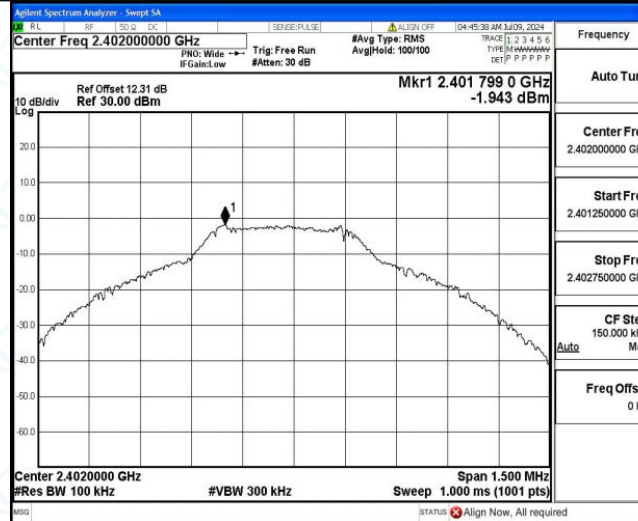
Test Result

Test Mode	Antenna	Freq(MHz)	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-1.94	-1.94	---	PASS
			30~1000	-1.94	-59.35	≤ -21.94	PASS
			1000~26500	-1.94	-40.29	≤ -21.94	PASS
		2441	Reference	-0.83	-0.83	---	PASS
			30~1000	-0.83	-59.11	≤ -20.83	PASS
			1000~26500	-0.83	-43.43	≤ -20.83	PASS
		2480	Reference	-0.83	-0.83	---	PASS
			30~1000	-0.83	-58.81	≤ -20.83	PASS
			1000~26500	-0.83	-44.9	≤ -20.83	PASS
2DH5	Ant1	2402	Reference	-2.08	-2.08	---	PASS
			30~1000	-2.08	-59.31	≤ -22.08	PASS
			1000~26500	-2.08	-46.06	≤ -22.08	PASS
		2441	Reference	-0.89	-0.89	---	PASS
			30~1000	-0.89	-59.35	≤ -20.89	PASS
			1000~26500	-0.89	-33.2	≤ -20.89	PASS
		2480	Reference	-0.84	-0.84	---	PASS
			30~1000	-0.84	-59.12	≤ -20.84	PASS
			1000~26500	-0.84	-49.56	≤ -20.84	PASS
3DH5	Ant1	2402	Reference	-2.02	-2.02	---	PASS
			30~1000	-2.02	-59.15	≤ -22.02	PASS
			1000~26500	-2.02	-42.45	≤ -22.02	PASS
		2441	Reference	-0.86	-0.86	---	PASS
			30~1000	-0.86	-59.12	≤ -20.86	PASS
			1000~26500	-0.86	-47.11	≤ -20.86	PASS
		2480	Reference	-1.31	-1.31	---	PASS
			30~1000	-1.31	-59.43	≤ -21.31	PASS
			1000~26500	-1.31	-45.01	≤ -21.31	PASS

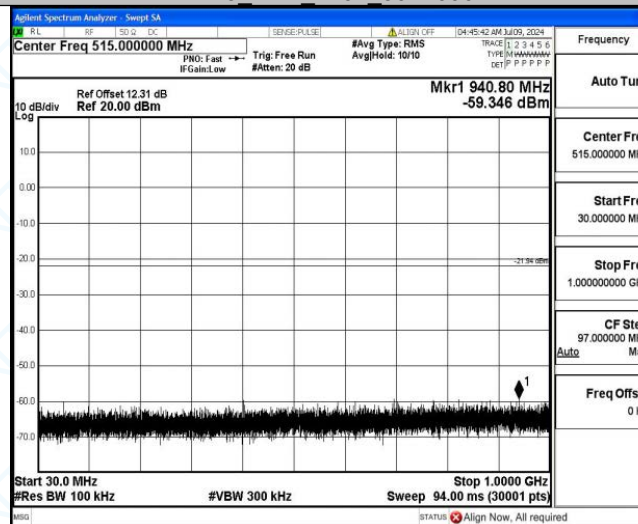


Test Graphs

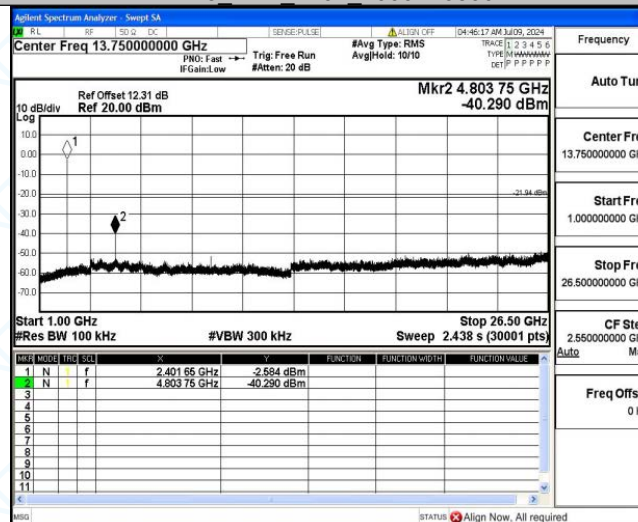
DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000

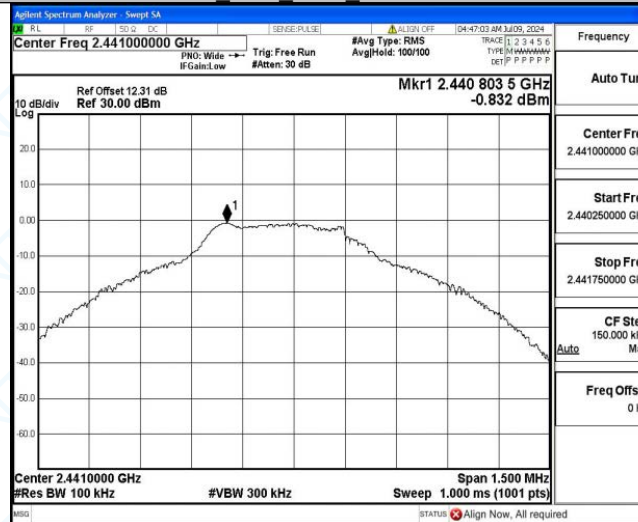


DH5_Ant1_2402_1000~26500

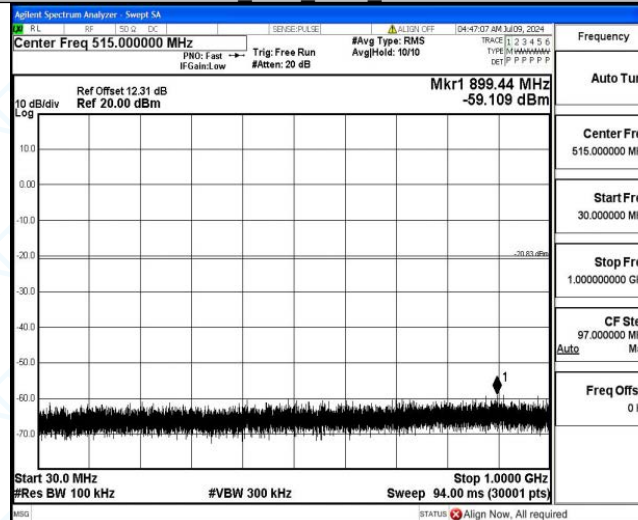




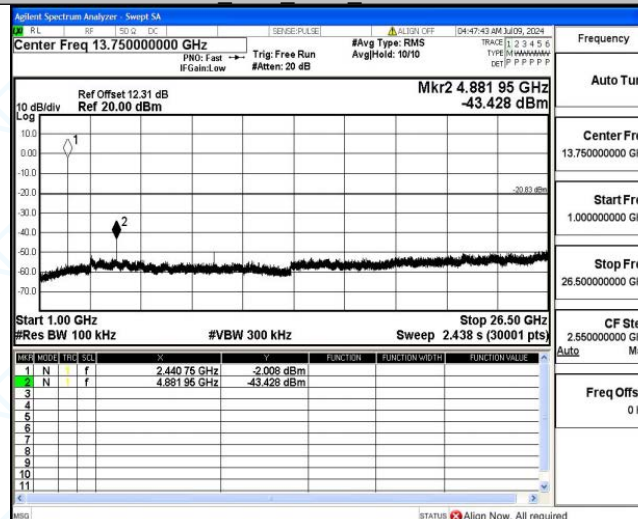
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

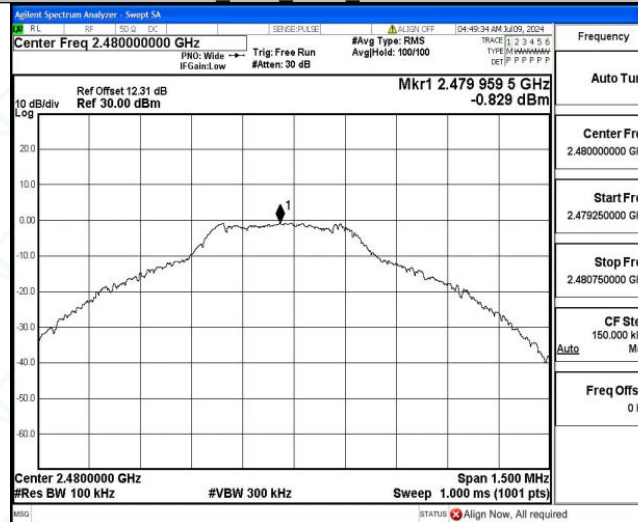


DH5_Ant1_2441_1000~26500

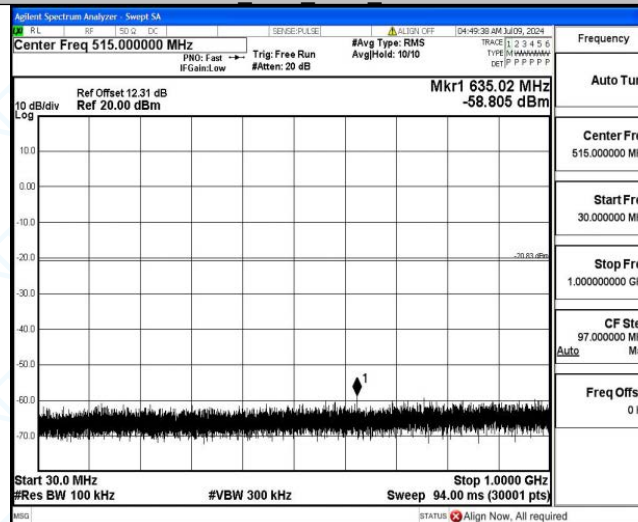




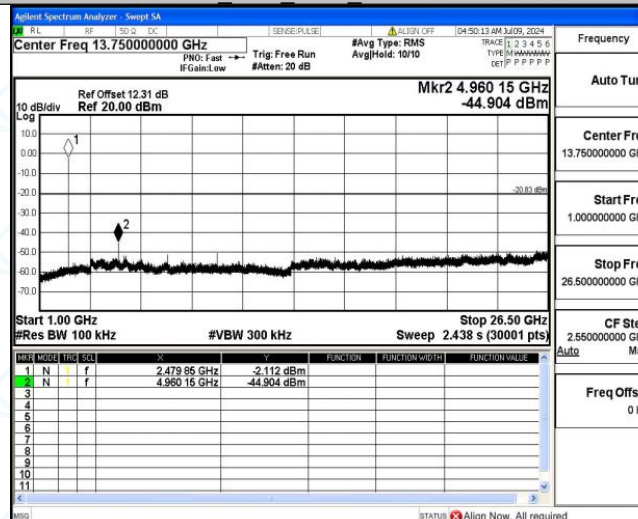
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000

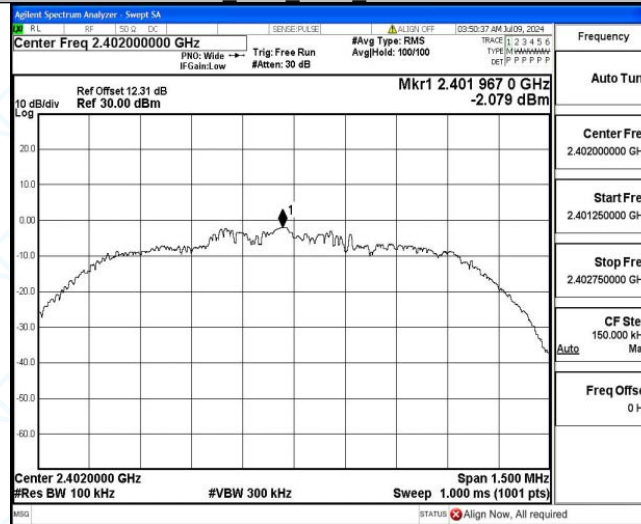


DH5_Ant1_2480_1000~26500

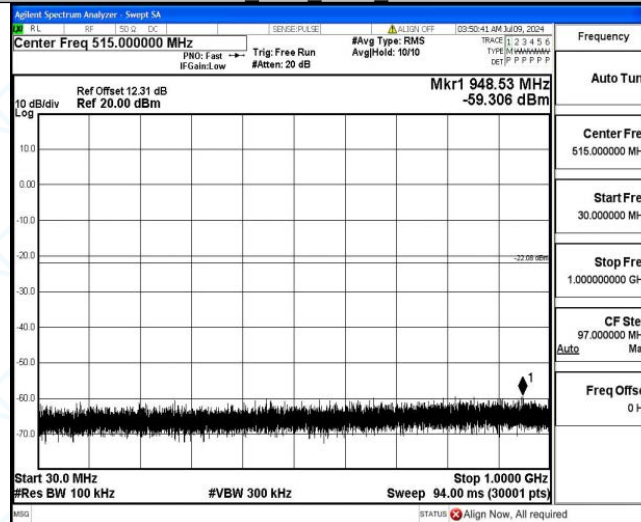




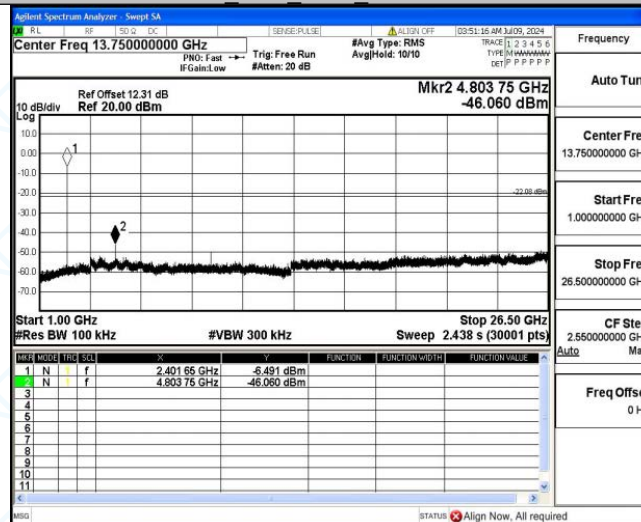
2DH5 Ant1 2402 0~Reference



2DH5 Ant1 2402 30~1000

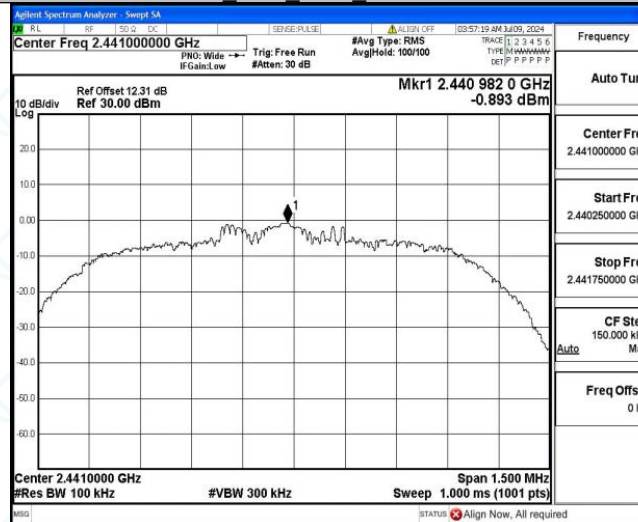


2DH5 Ant1 2402 1000~26500

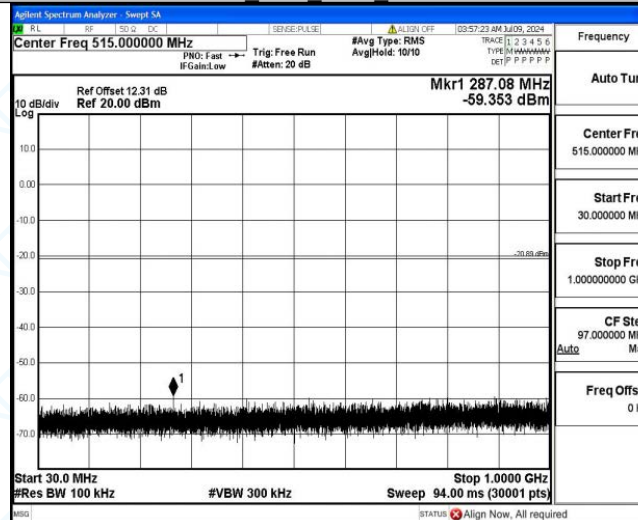




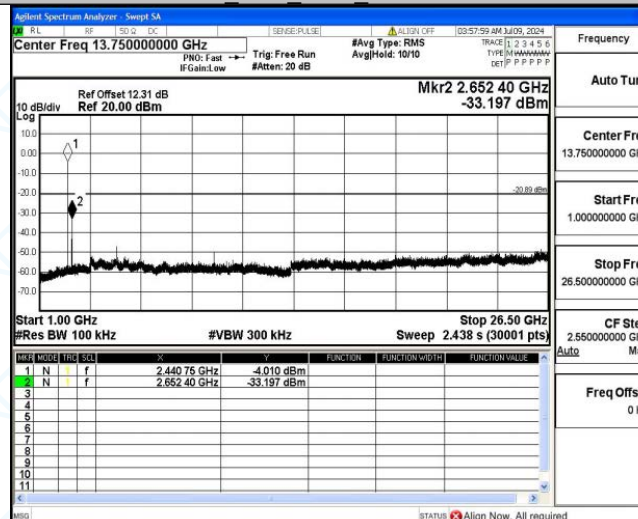
2DH5 Ant1 2441 0~Reference



2DH5 Ant1 2441 30~1000

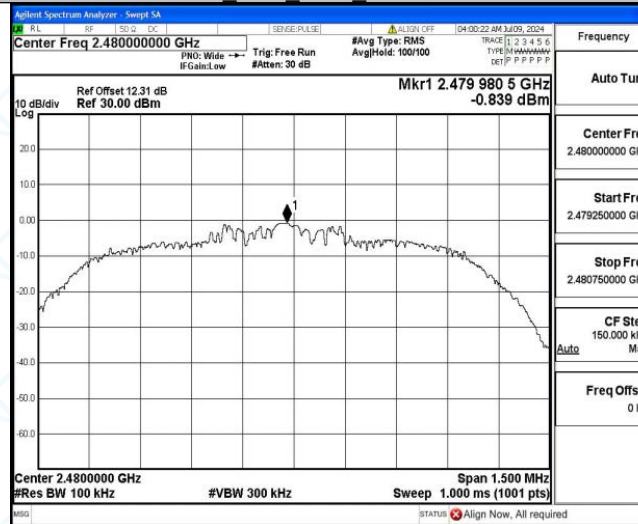


2DH5 Ant1 2441 1000~26500

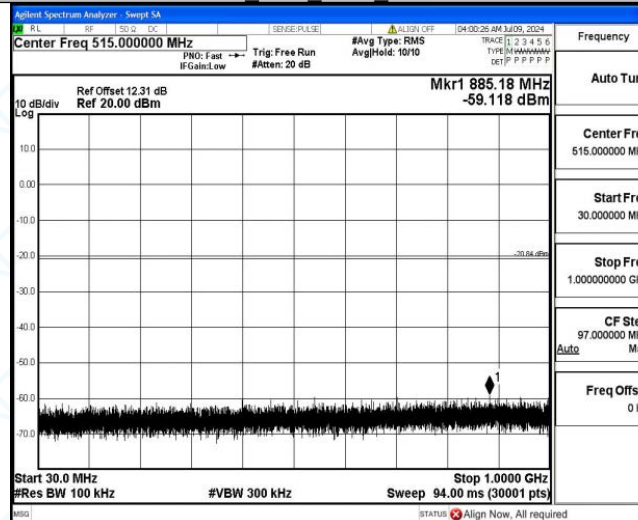




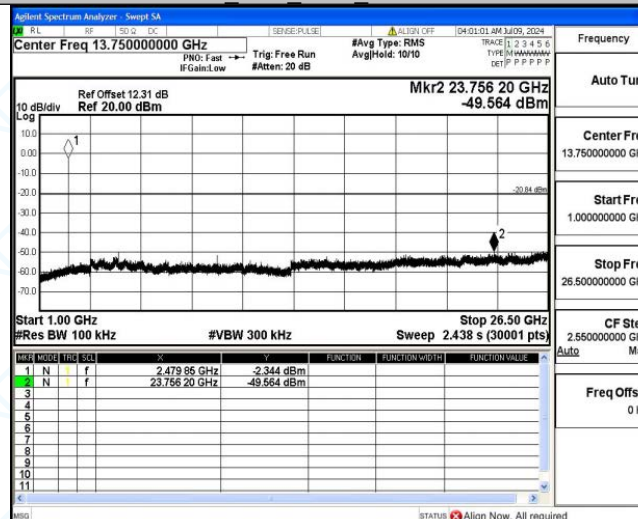
2DH5 Ant1 2480 0~Reference



2DH5 Ant1 2480 30~1000

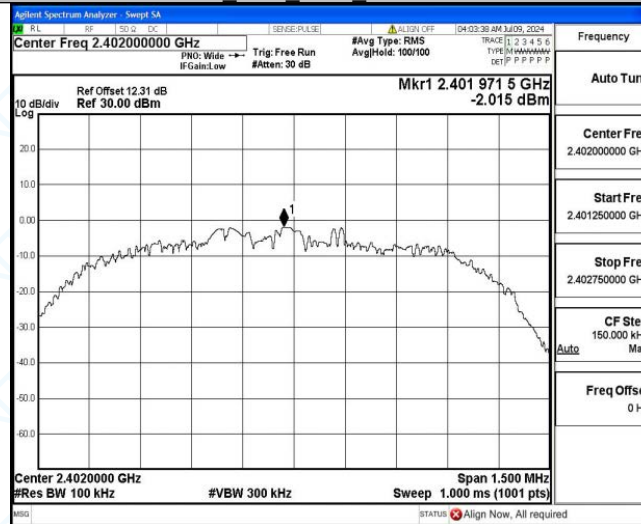


2DH5 Ant1 2480 1000~26500

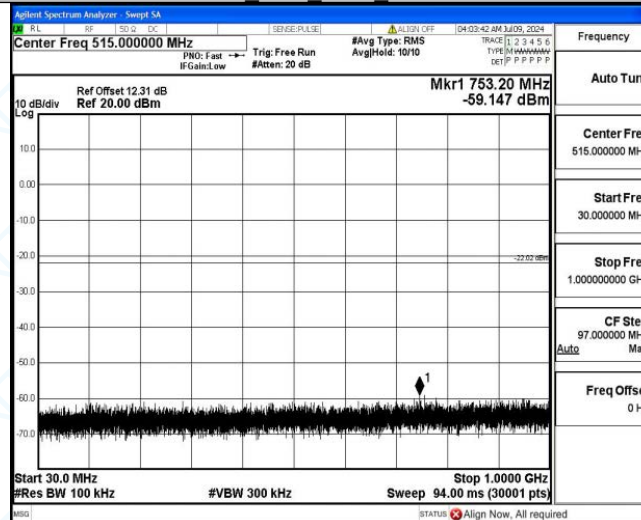




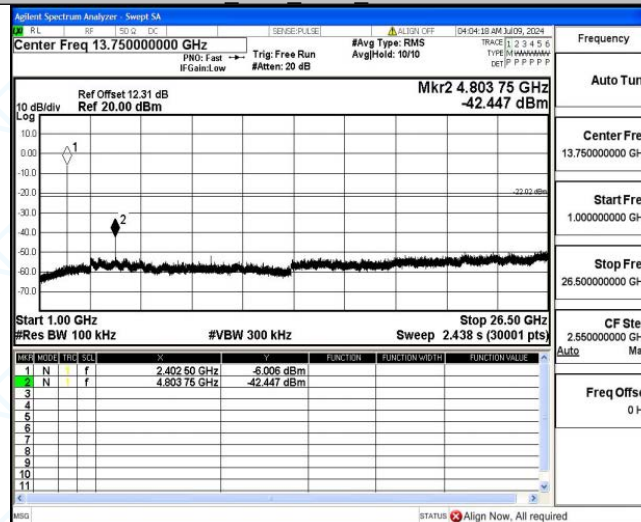
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000

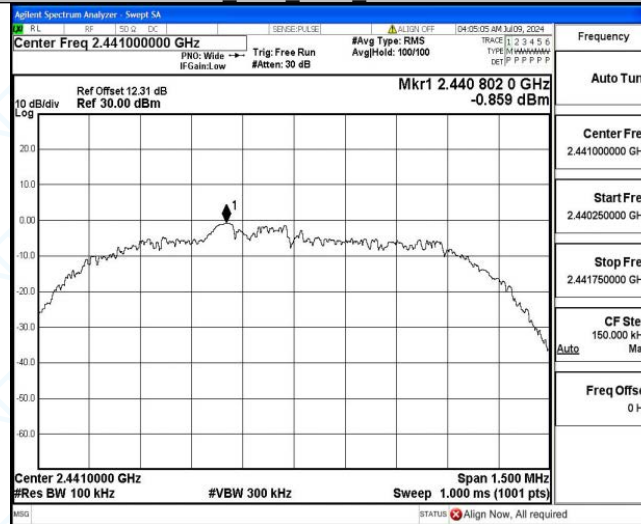


3DH5_Ant1_2402_1000~26500

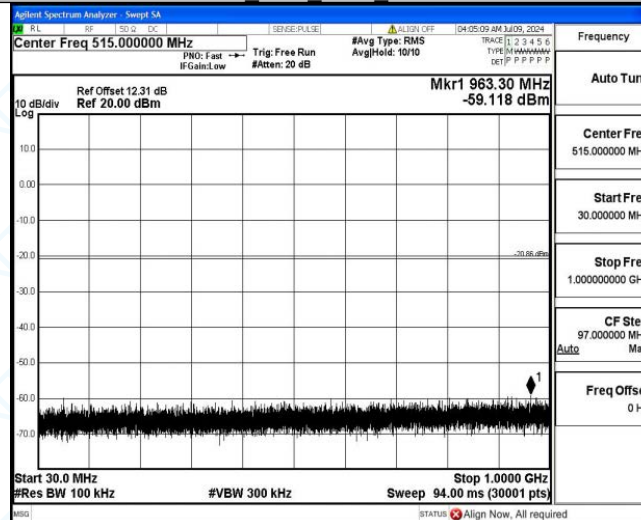




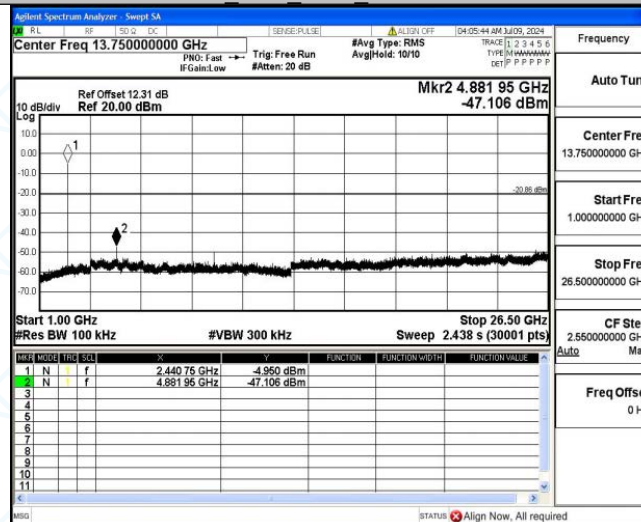
3DH5 Ant1 2441 0~Reference



3DH5 Ant1 2441 30~1000

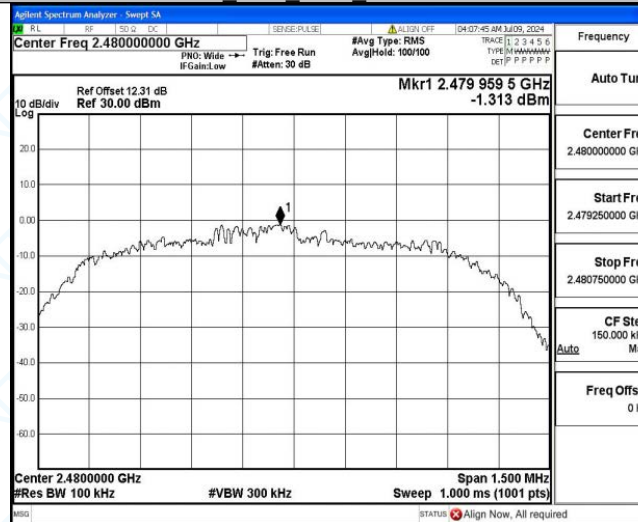


3DH5 Ant1 2441 1000~26500

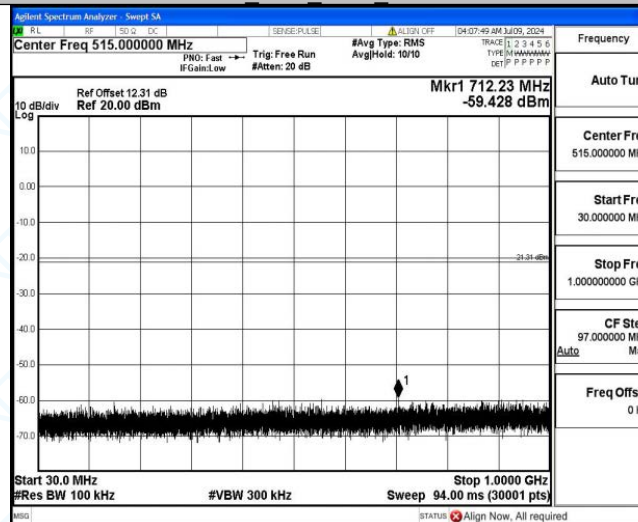




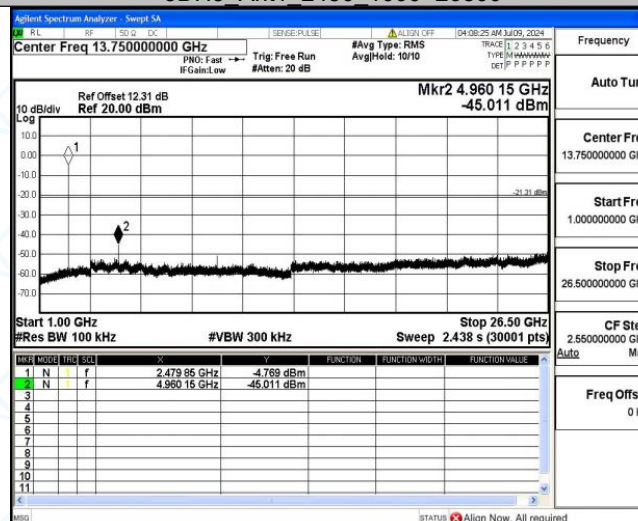
3DH5 Ant1 2480 0~Reference



3DH5 Ant1 2480 30~1000



3DH5 Ant1 2480 1000~26500



The End Report

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