

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)**Product Name: WIRELESS 2-IN-1 ADAPTER****Trade Mark: Aisidra****Test Model: AD-BA200****FCC ID: 2A2QG-BA200****Environmental Conditions**

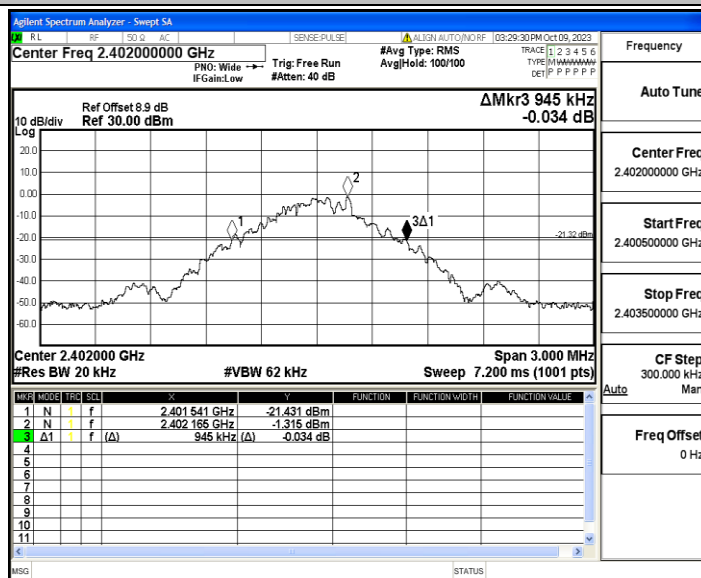
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth**Test Result**

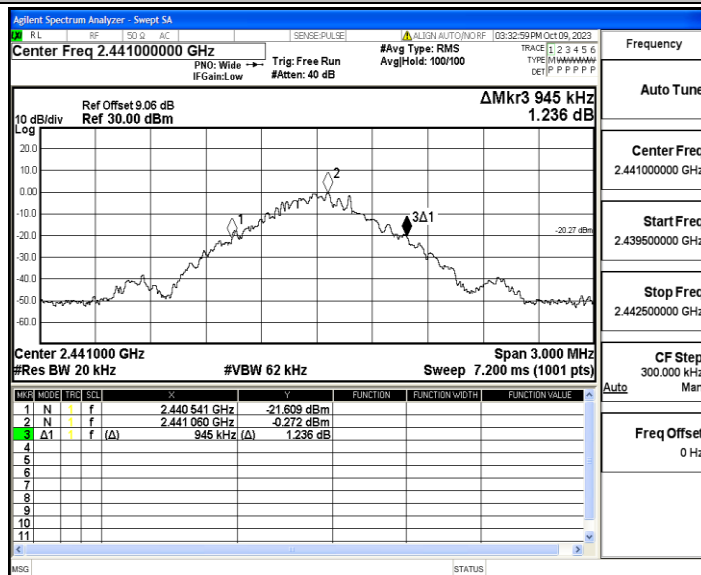
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.541	2402.486	---	---
		2441	0.945	2440.541	2441.486	---	---
		2480	0.942	2479.544	2480.486	---	---
2DH5	Ant1	2402	1.350	2401.331	2402.681	---	---
		2441	1.329	2440.337	2441.666	---	---
		2480	1.335	2479.337	2480.672	---	---
3DH5	Ant1	2402	1.347	2401.328	2402.675	---	---
		2441	1.290	2440.352	2441.642	---	---
		2480	1.350	2479.325	2480.675	---	---

Test Graphs

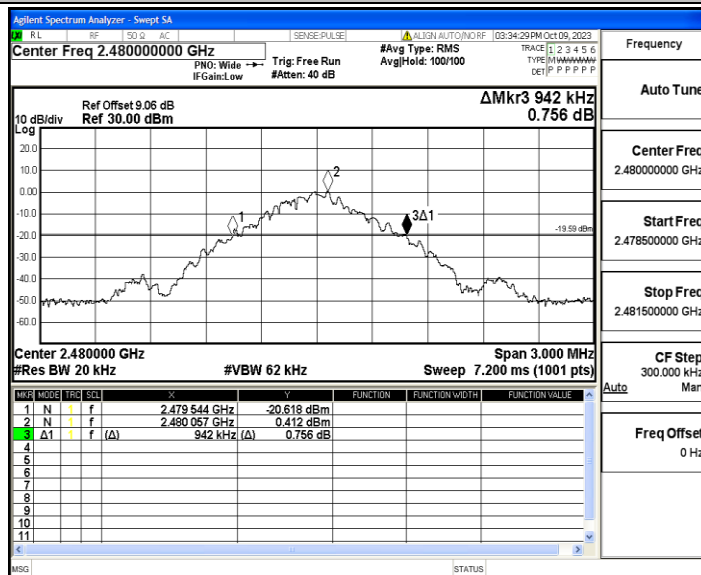
DH5_Ant1_2402



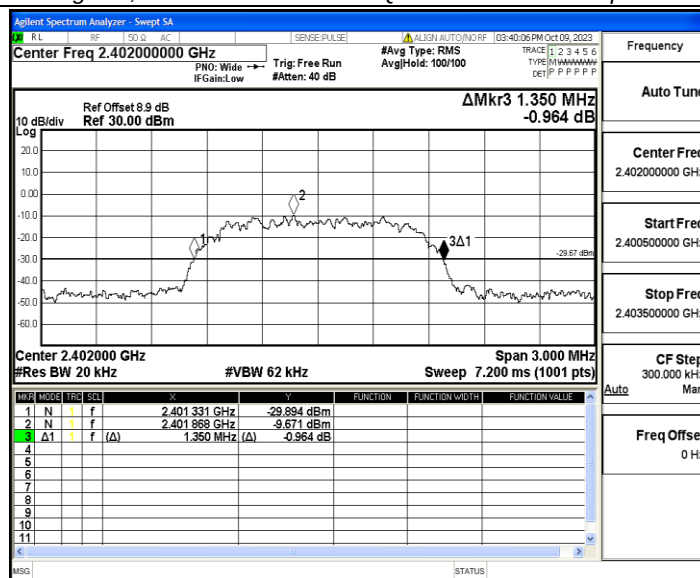
DH5_Ant1_2441



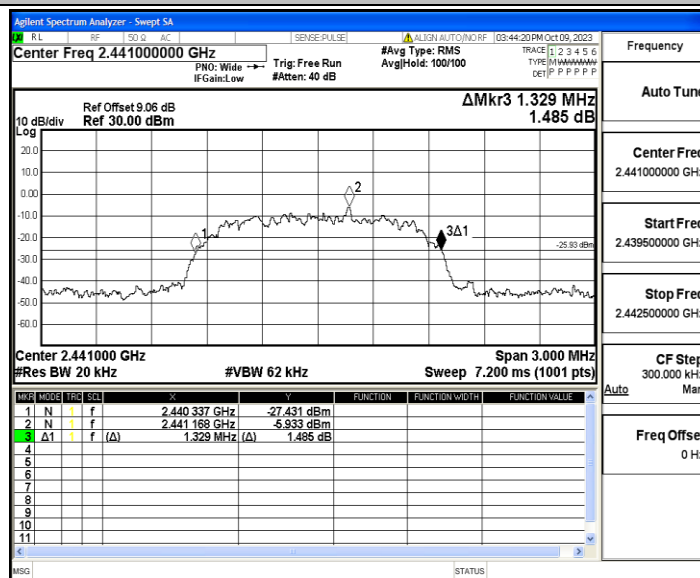
DH5_Ant1_2480



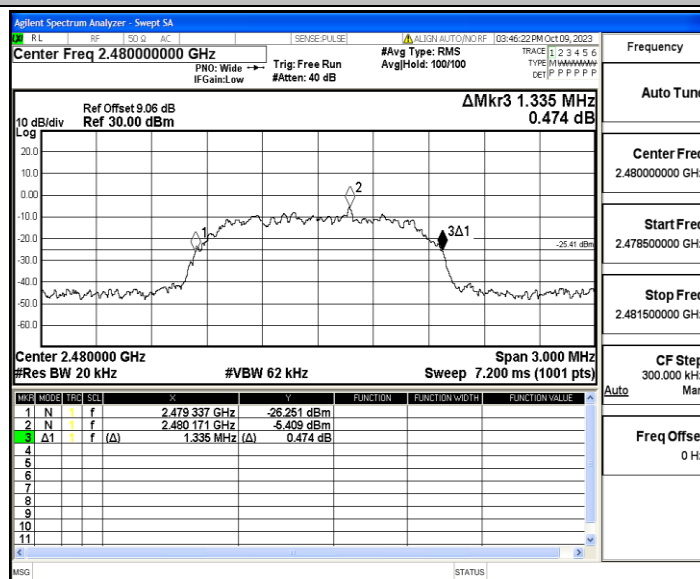
2DH5_Ant1_2402



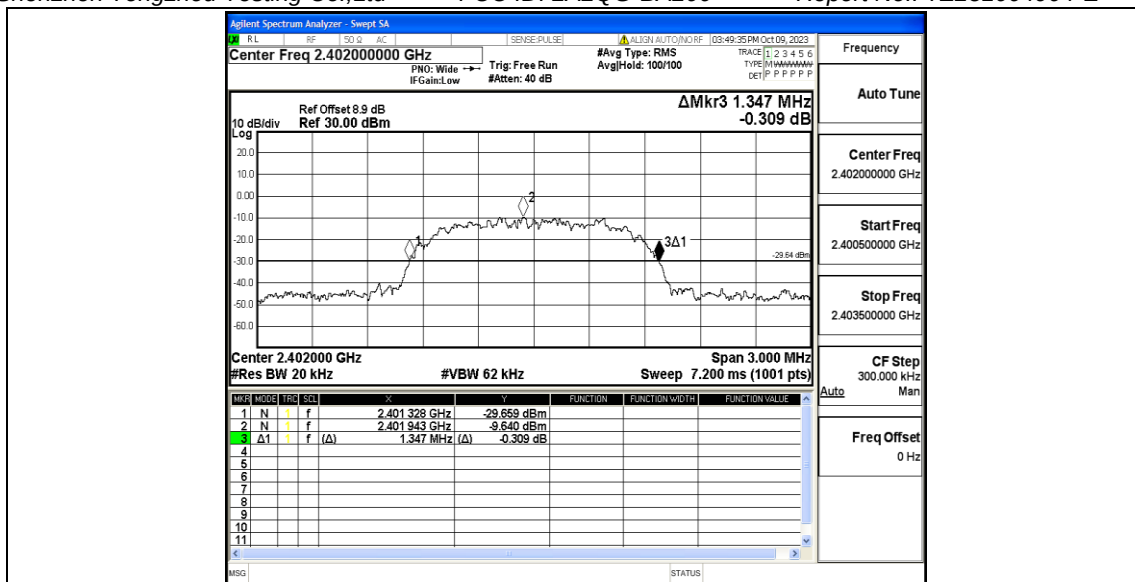
2DH5_Ant1_2441



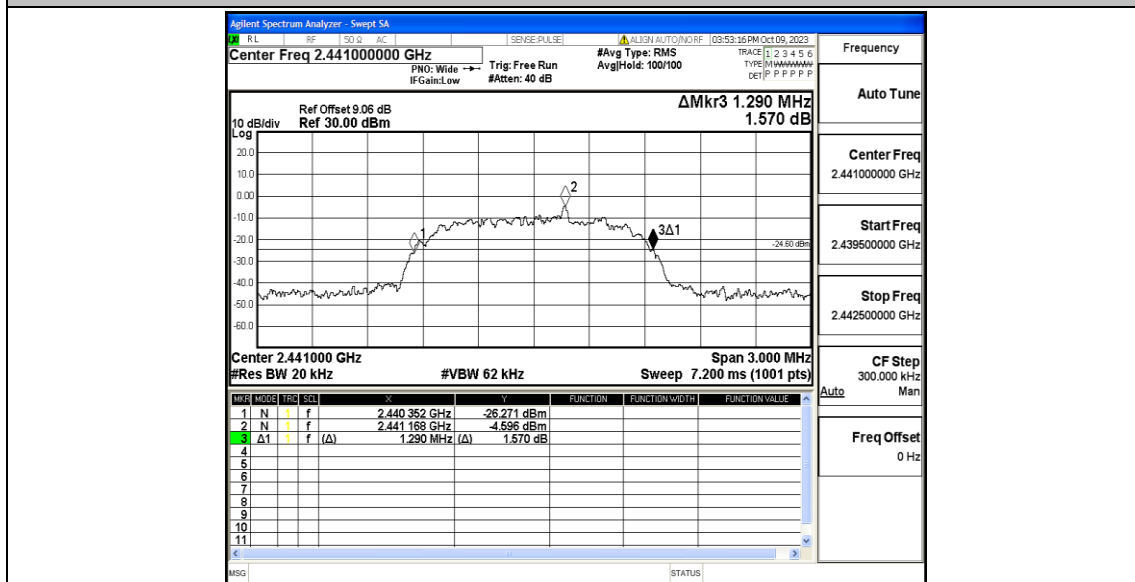
2DH5_Ant1_2480



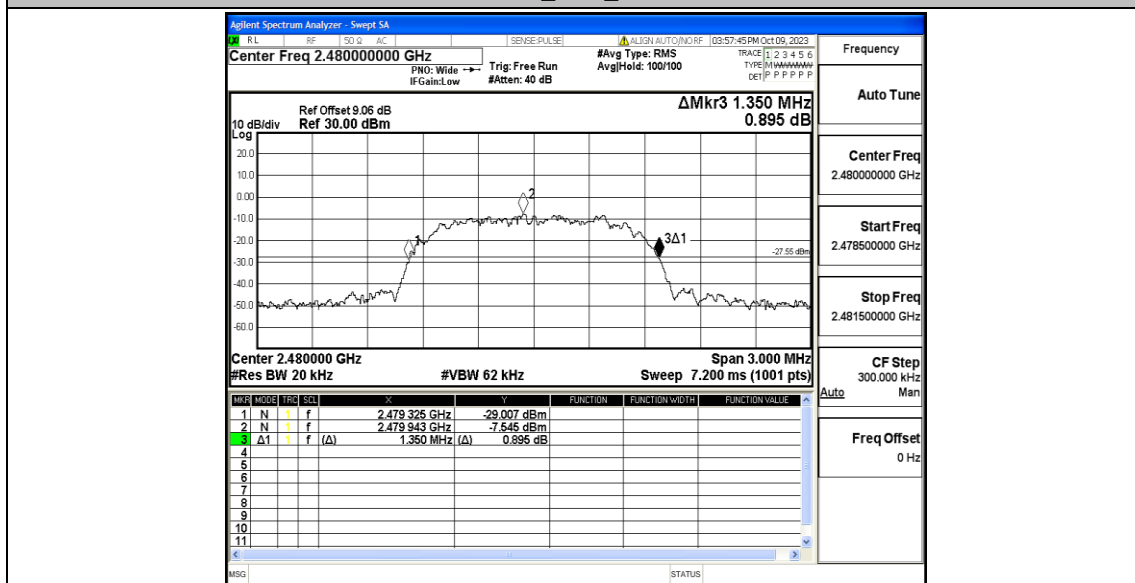
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86100	2401.5673	2402.4283	---	---
		2441	0.86116	2440.5675	2441.4286	---	---
		2480	0.85557	2479.5730	2480.4285	---	---
2DH5	Ant1	2402	1.1989	2401.4050	2402.6039	---	---
		2441	1.1976	2440.4058	2441.6034	---	---
		2480	1.1967	2479.4056	2480.6023	---	---
3DH5	Ant1	2402	1.2021	2401.3946	2402.5967	---	---
		2441	1.1975	2440.3986	2441.5961	---	---
		2480	1.1948	2479.3999	2480.5947	---	---

DH5_Ant1_2402

Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

Center Freq 2.40200000 GHz

Center Freq: 2.40200000 GHz

Trig: Free Run

#Atten: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

Ref Offset 8.9 dB

Ref 20.00 dBm

Mkr1 2.402057 GHz

-1.1516 dBm

10 dB/div

Log

Center 2.402 GHz

#Res BW 20 kHz

#VBW 62 kHz

Span 3 MHz

Sweep 7.2 ms

Occupied Bandwidth

861.00 kHz

Total Power

8.97 dBm

Transmit Freq Error

-2.197 kHz

OBW Power

99.00 %

x dB Bandwidth

1.127 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

2.40200000 GHz

CF Step

300.000 kHz

Man

Freq Offset

0 Hz

DH5_Ant1_2441

Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

Center Freq 2.44100000 GHz

Center Freq: 2.44100000 GHz

Trig: Free Run

#Atten: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

Ref Offset 9.06 dB

Ref 20.00 dBm

Mkr1 2.441057 GHz

-0.16851 dBm

10 dB/div

Log

Center 2.441 GHz

#Res BW 20 kHz

#VBW 62 kHz

Span 3 MHz

Sweep 7.2 ms

Occupied Bandwidth

861.16 kHz

Total Power

10.1 dBm

Transmit Freq Error

-1.955 kHz

OBW Power

99.00 %

x dB Bandwidth

1.128 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

2.44100000 GHz

CF Step

300.000 kHz

Man

Freq Offset

0 Hz

DH5_Ant1_2480

Agilent Spectrum Analyzer - Occupied BW

RL

RF

50 Ω

AC

Center Freq 2.48000000 GHz

Center Freq: 2.48000000 GHz

Trig: Free Run

#Atten: 30 dB

Avg/Hold: 100/100

Radio Std: None

Radio Device: BTS

Ref Offset 9.06 dB

Ref 20.00 dBm

Mkr1 2.48006 GHz

0.51643 dBm

10 dB/div

Log

Center 2.48 GHz

#Res BW 20 kHz

#VBW 62 kHz

Span 3 MHz

Sweep 7.2 ms

Occupied Bandwidth

855.57 kHz

Total Power

10.7 dBm

Transmit Freq Error

750 Hz

OBW Power

99.00 %

x dB Bandwidth

1.130 MHz

x dB

-26.00 dB

MSG

STATUS

Frequency

Center Freq

2.48000000 GHz

CF Step

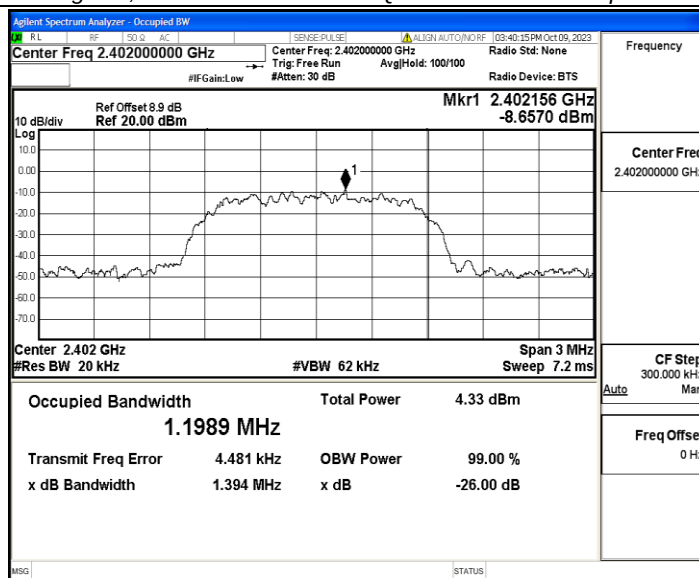
300.000 kHz

Man

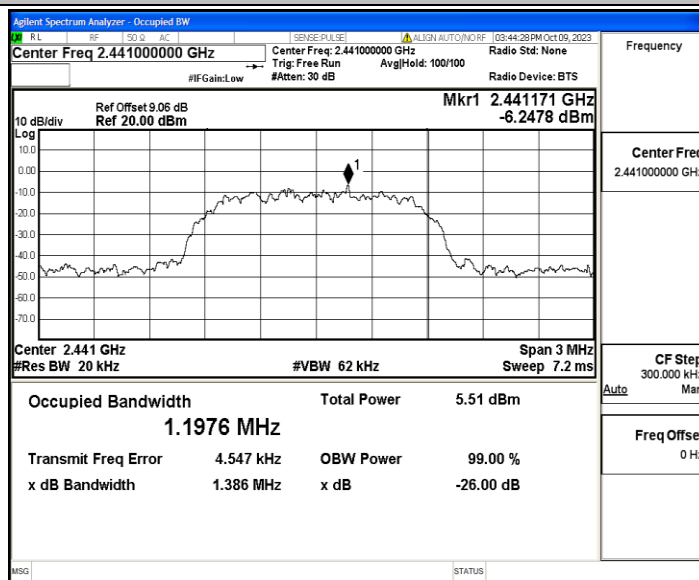
Freq Offset

0 Hz

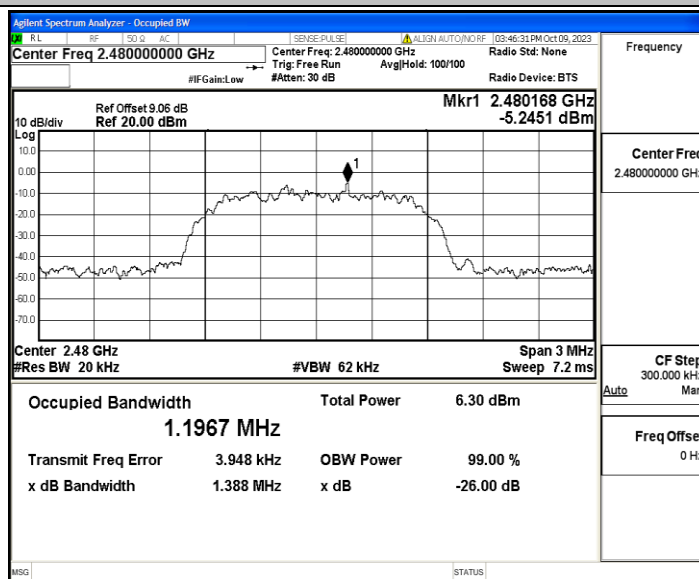
DH5_Ant1_2402



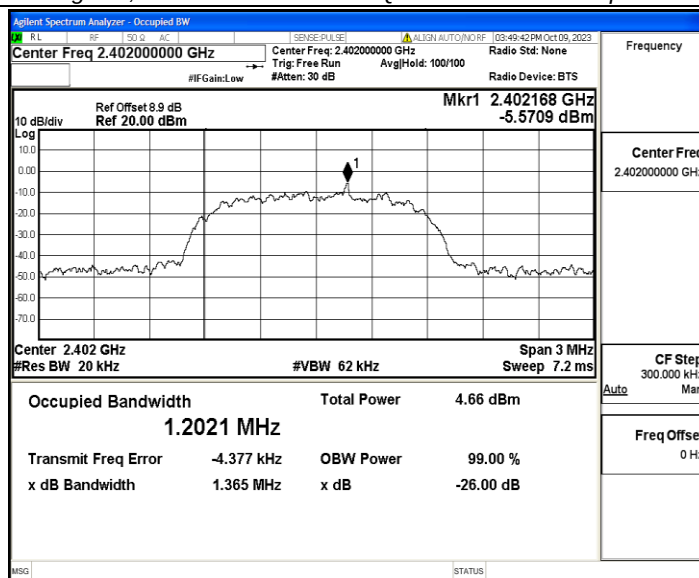
2DH5_Ant1_2441



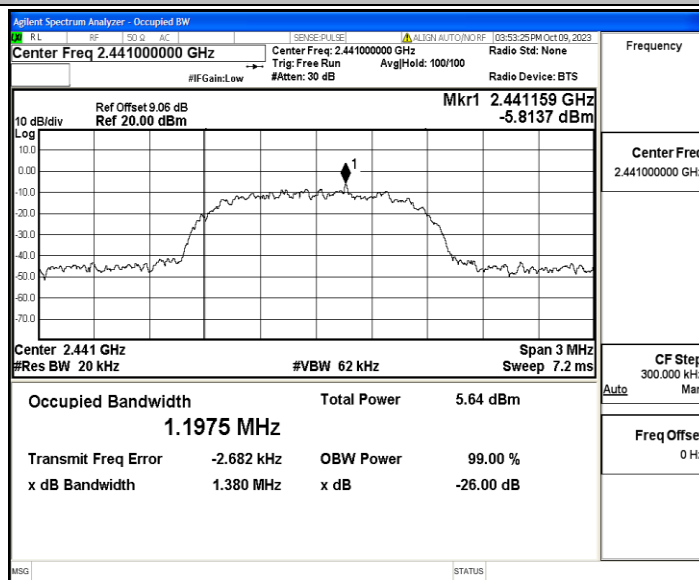
2DH5_Ant1_2480



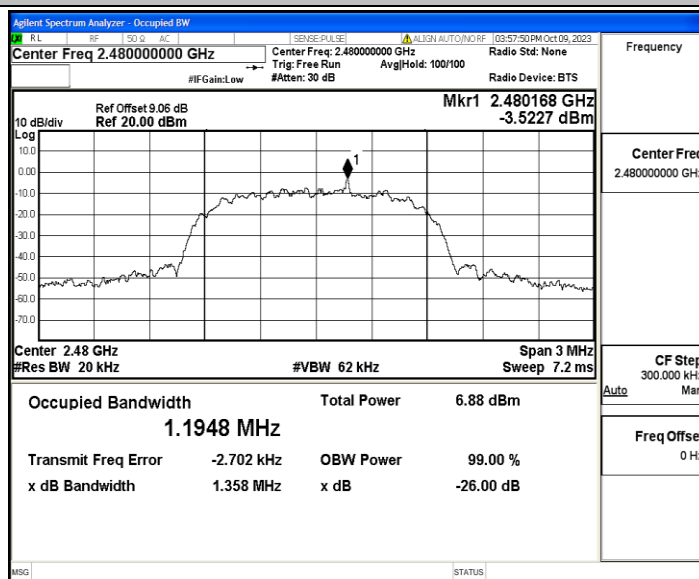
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



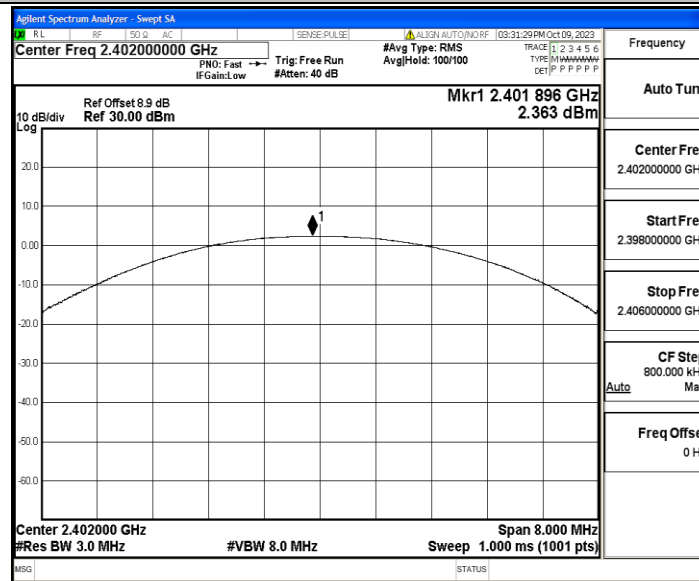
Appendix C: Maximum Peak conducted output power

Test Result

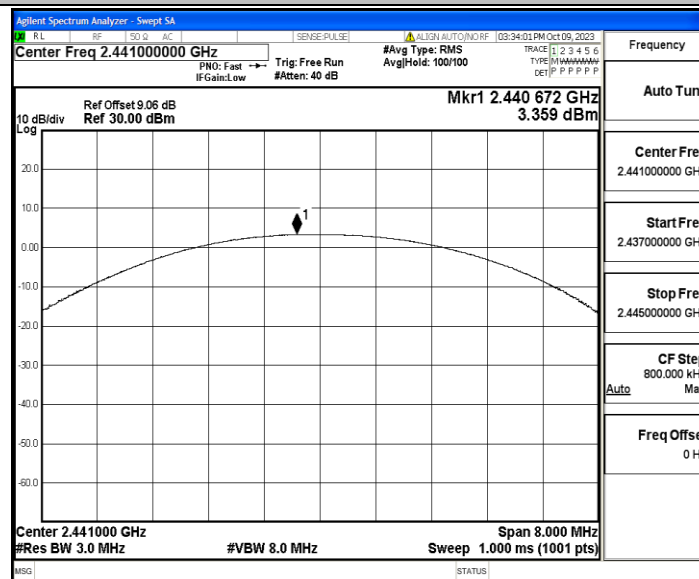
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.36	≤30	PASS
		2441	3.36	≤30	PASS
		2480	4.01	≤30	PASS
2DH5	Ant1	2402	0.34	≤20.97	PASS
		2441	1.32	≤20.97	PASS
		2480	2	≤20.97	PASS
3DH5	Ant1	2402	0.93	≤20.97	PASS
		2441	1.96	≤20.97	PASS
		2480	2.97	≤20.97	PASS

Test Graphs

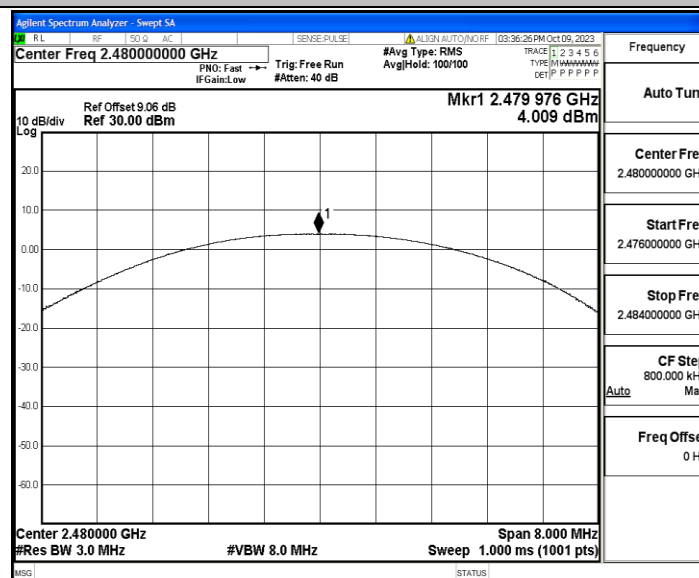
DH5_Ant1_2402



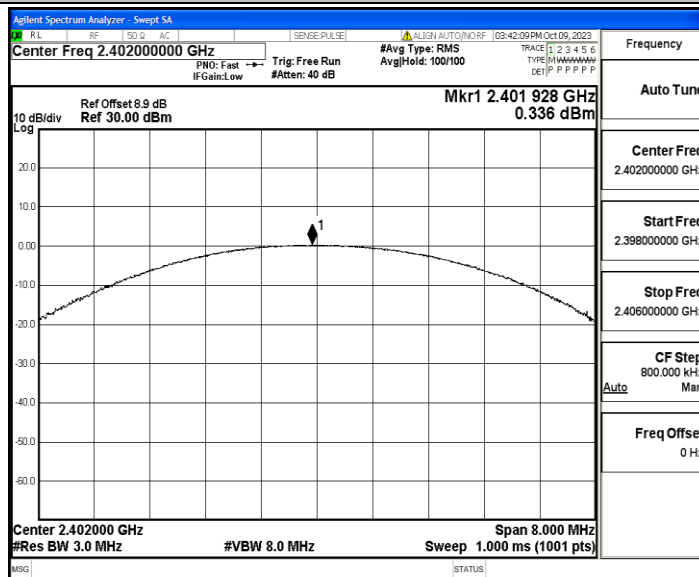
DH5_Ant1_2441



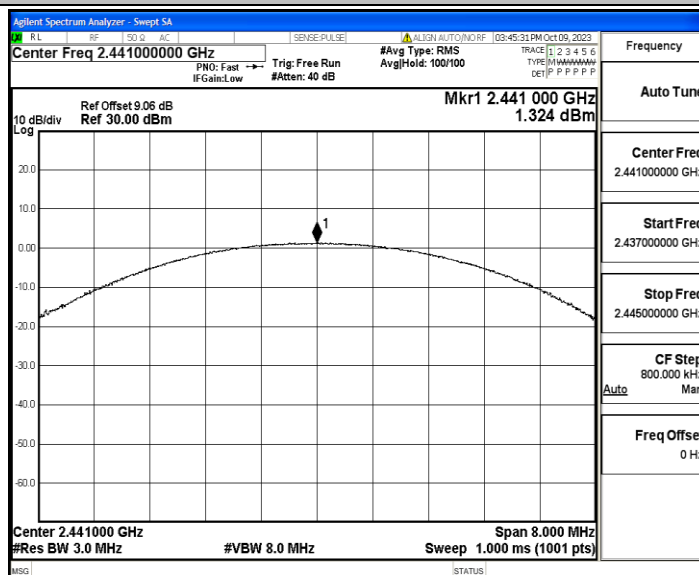
DH5_Ant1_2480



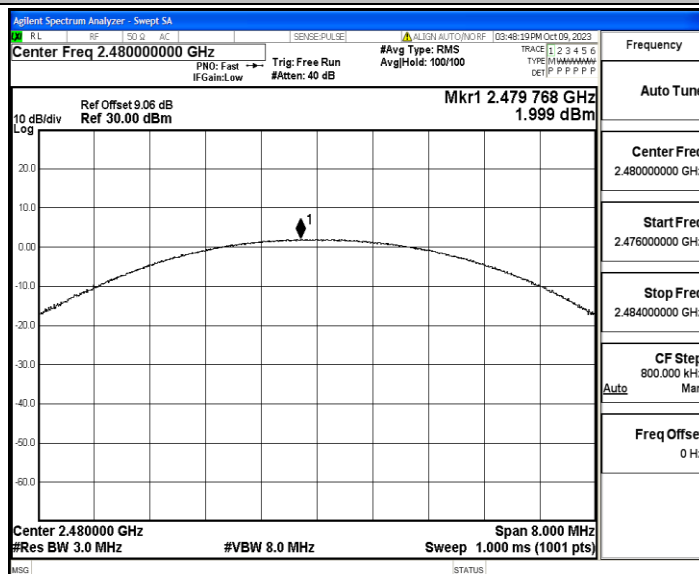
2DH5_Ant1_2402



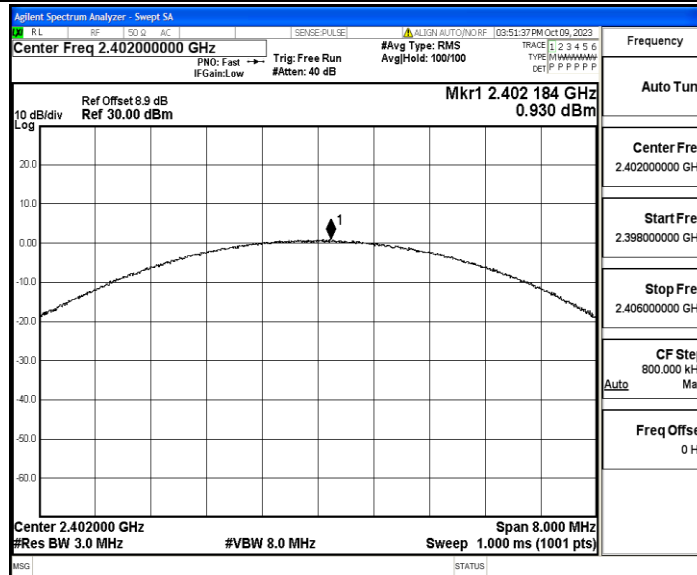
2DH5_Ant1_2441



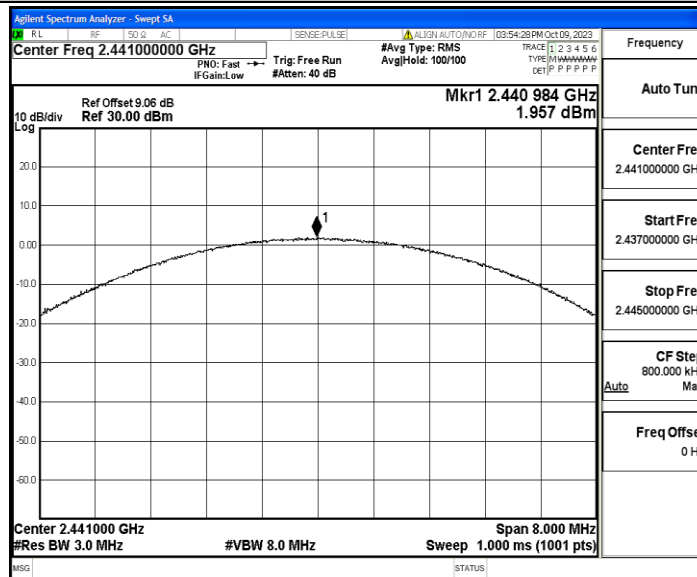
2DH5_Ant1_2480



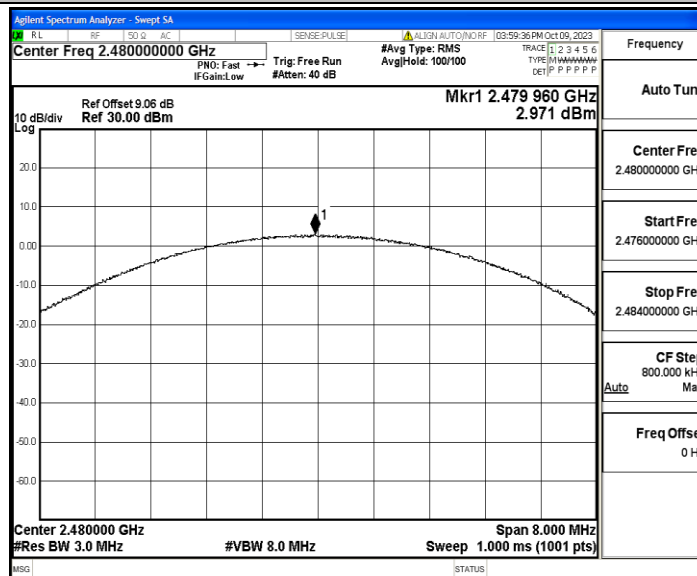
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

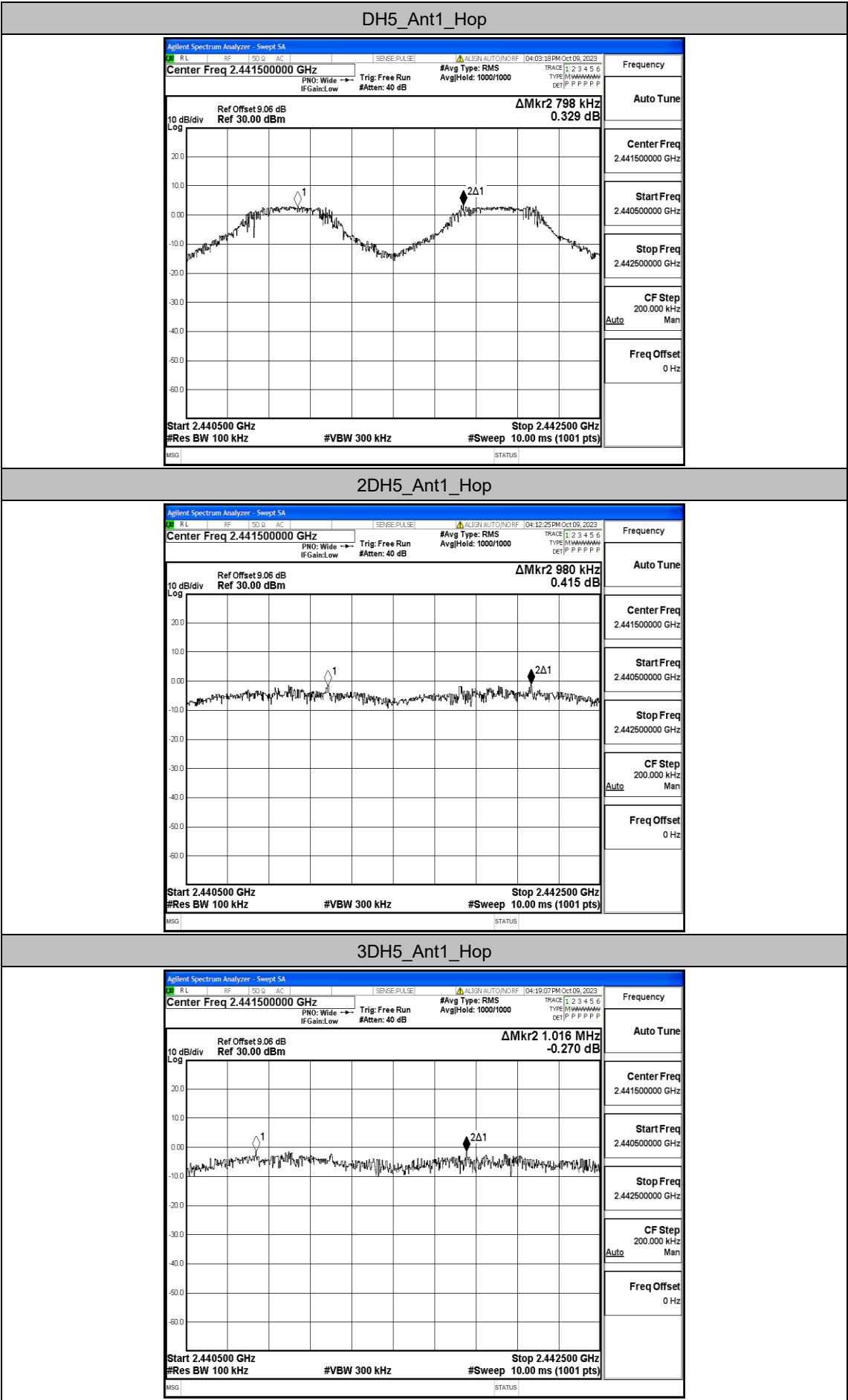


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.798	≥0.630	PASS
2DH5	Ant1	Hop	0.98	≥0.900	PASS
3DH5	Ant1	Hop	1.016	≥0.900	PASS

Test Graphs

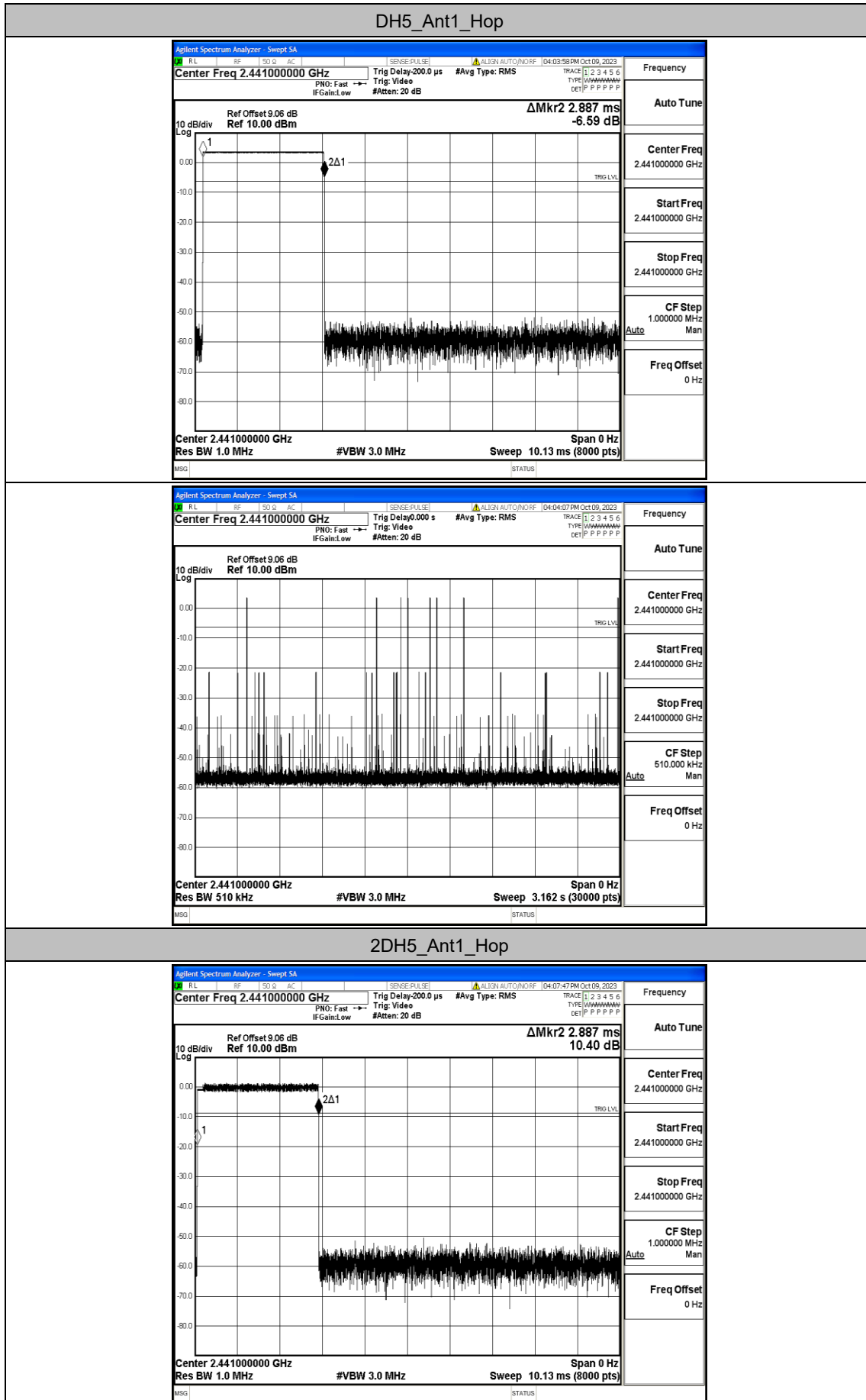


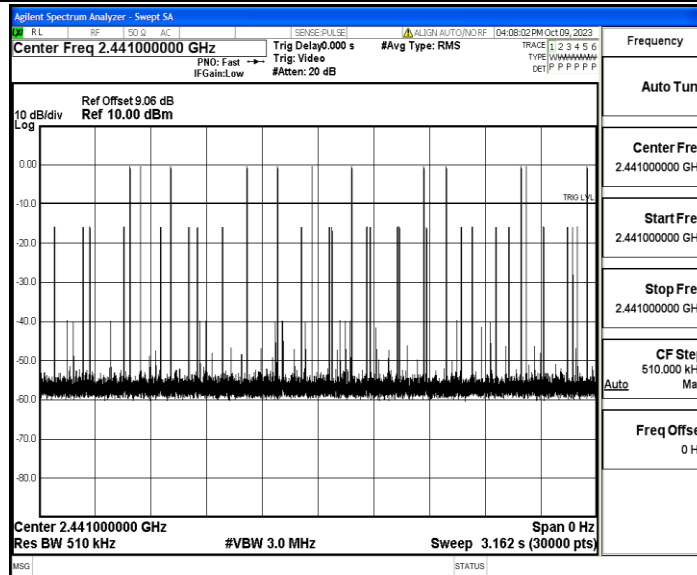
Appendix E: Time of occupancy

Test Result

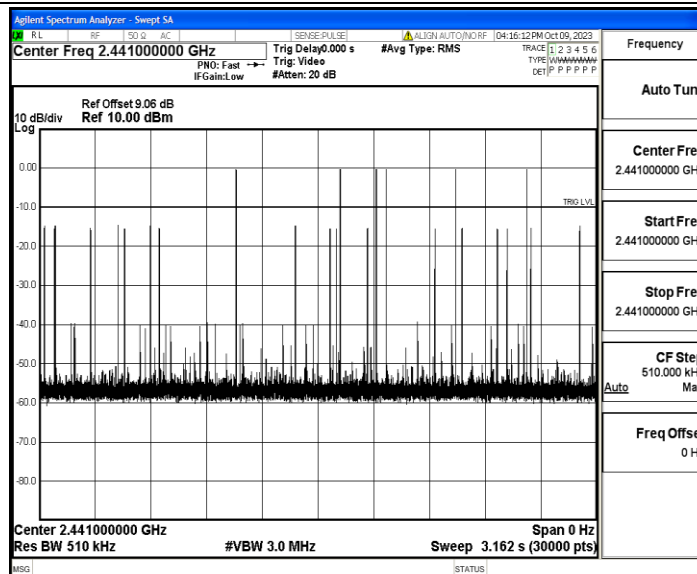
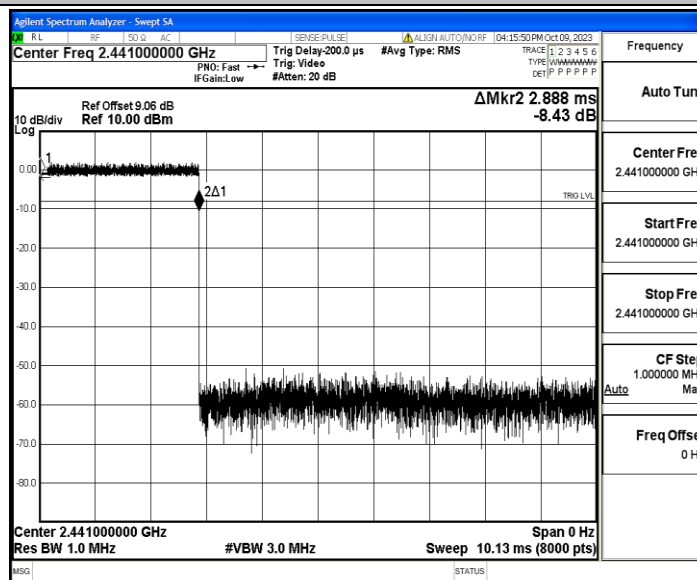
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.887	90	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.887	130	0.375	≤0.4	PASS
3DH5	Ant1	Hop	2.888	70	0.202	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

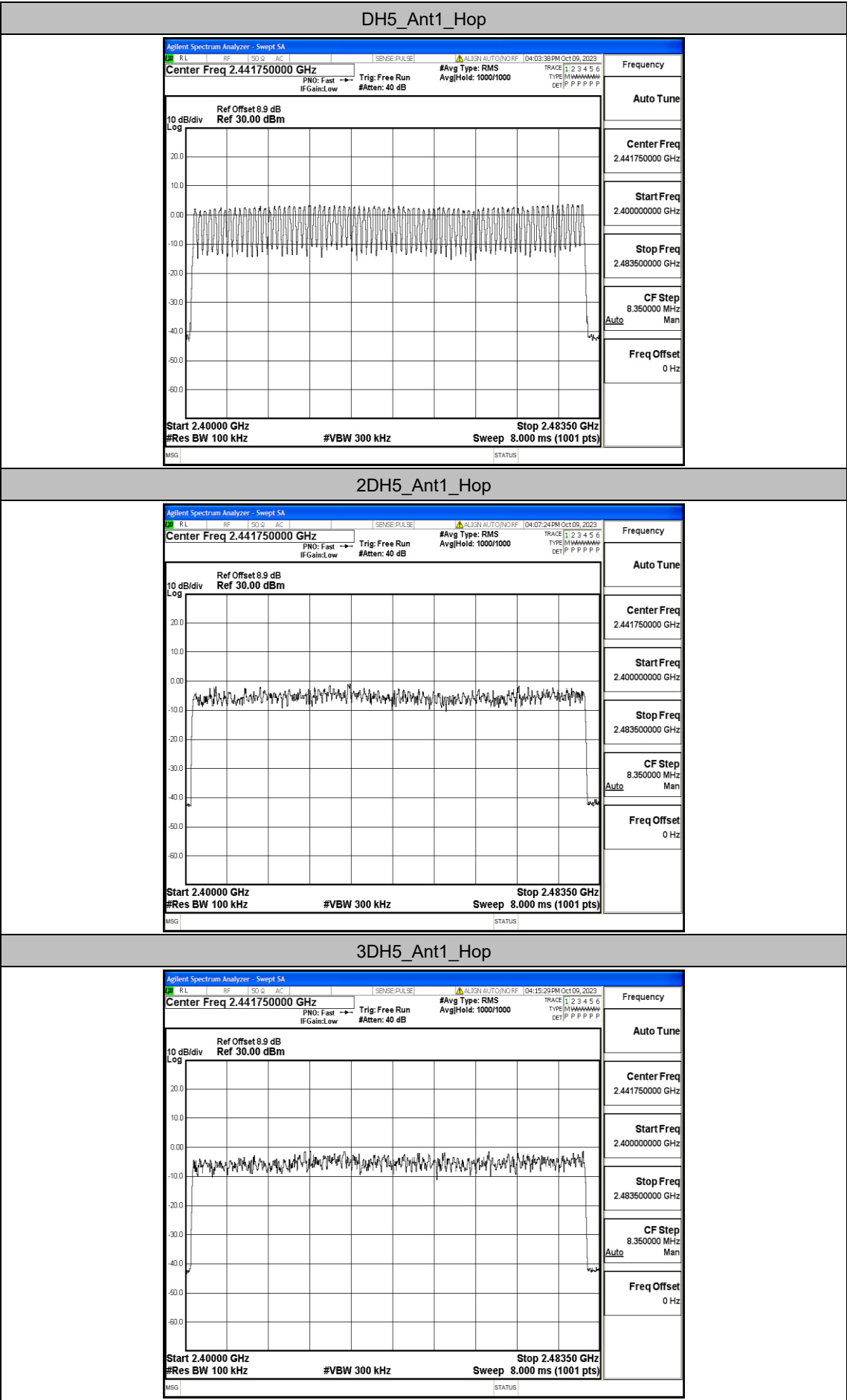


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	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



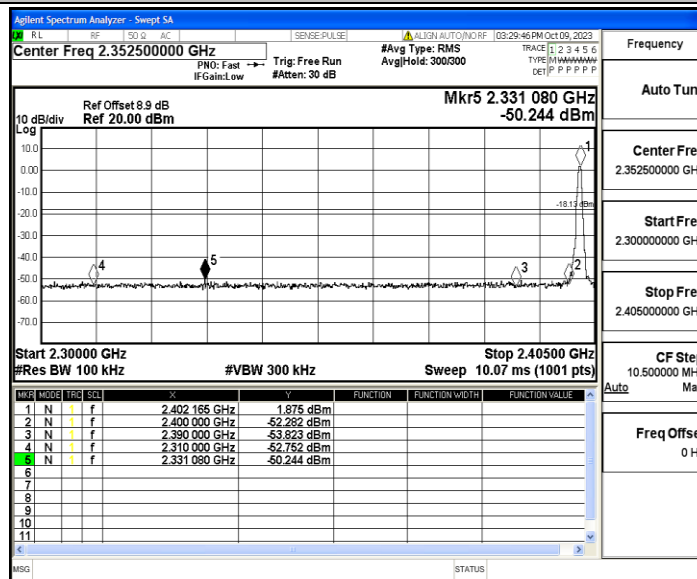
Appendix G: Band edge measurements

Test Result

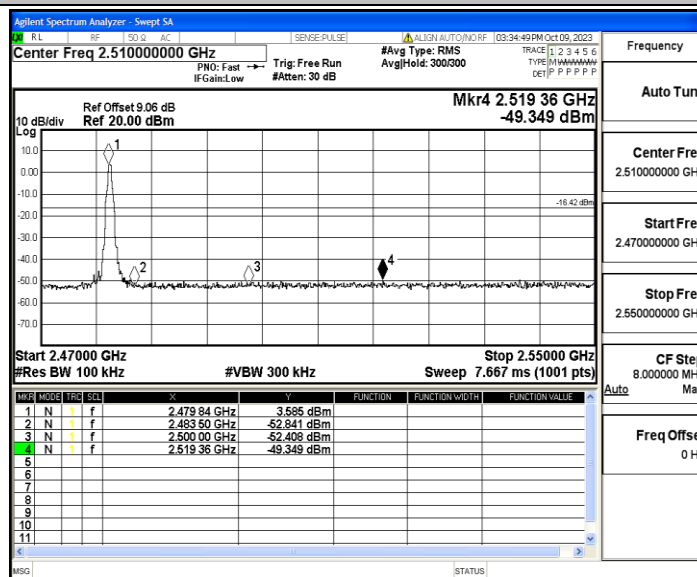
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.88	-50.24	≤ -18.13	PASS
		High	2480	3.59	-49.35	≤ -16.42	PASS
		Low	Hop_2402	1.13	-49.95	≤ -18.88	PASS
		High	Hop_2480	3.66	-49.2	≤ -16.34	PASS
2DH5	Ant1	Low	2402	-2.65	-49.41	≤ -22.65	PASS
		High	2480	-1.01	-48.86	≤ -21.01	PASS
		Low	Hop_2402	-4.28	-50.67	≤ -24.28	PASS
		High	Hop_2480	-2.39	-49.5	≤ -22.39	PASS
3DH5	Ant1	Low	2402	-2.99	-50.18	≤ -22.99	PASS
		High	2480	-1.72	-49.17	≤ -21.72	PASS
		Low	Hop_2402	-4.17	-50.63	≤ -24.17	PASS
		High	Hop_2480	-2.69	-49.05	≤ -22.69	PASS

Test Graphs

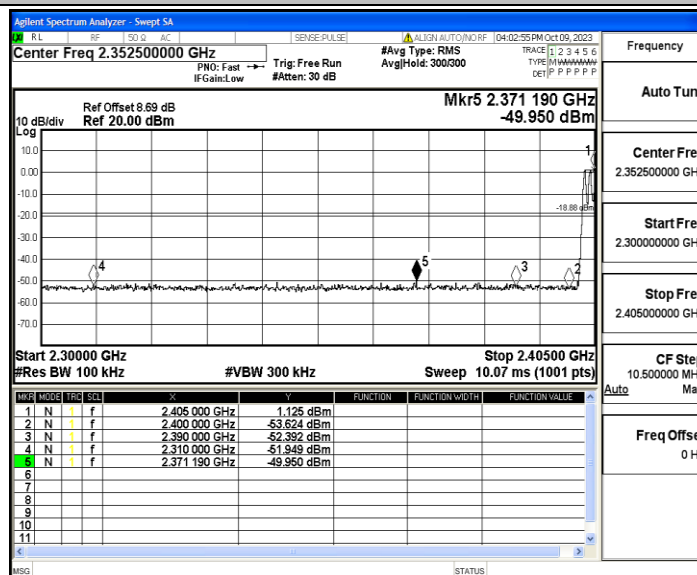
DH5_Ant1_Low_2402



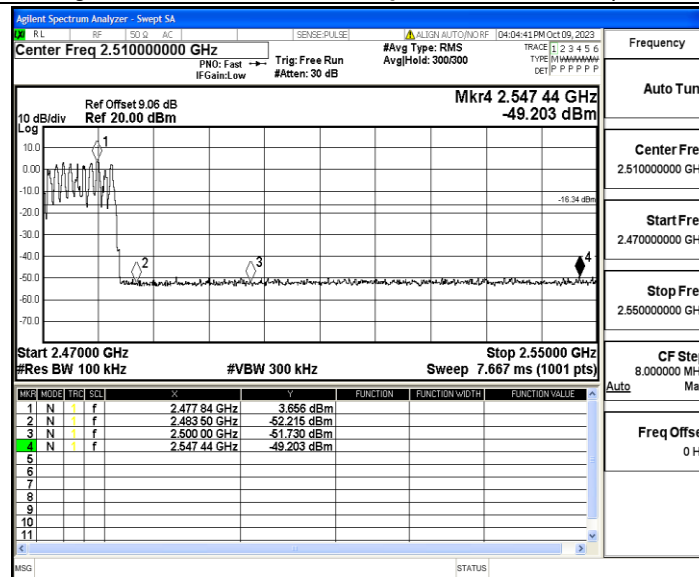
DH5_Ant1_High_2480



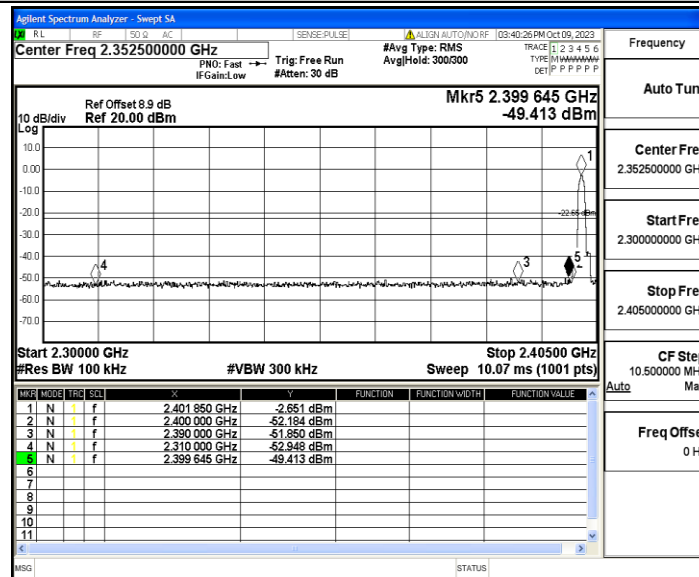
DH5_Ant1_Low_Hop_2402



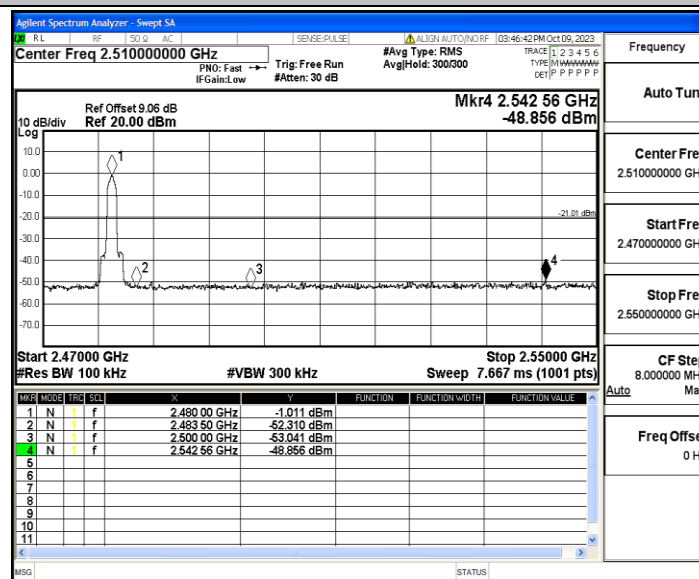
DH5_Ant1_High_Hop_2480



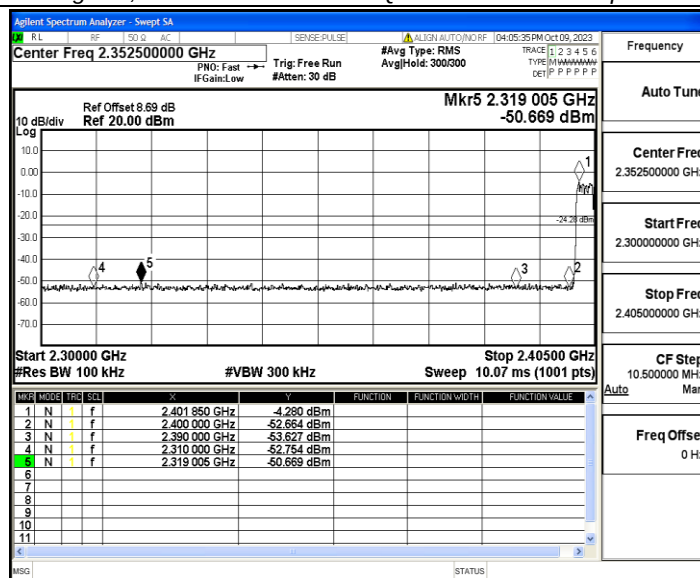
2DH5_Ant1_Low_2402



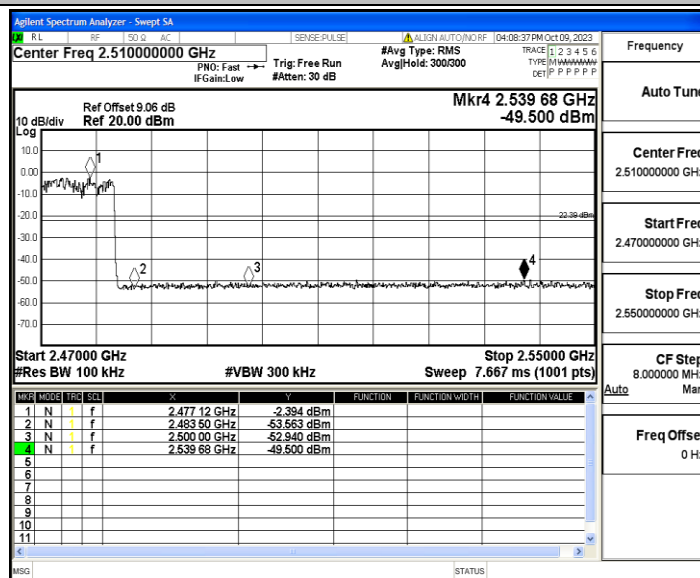
2DH5_Ant1_High_2480



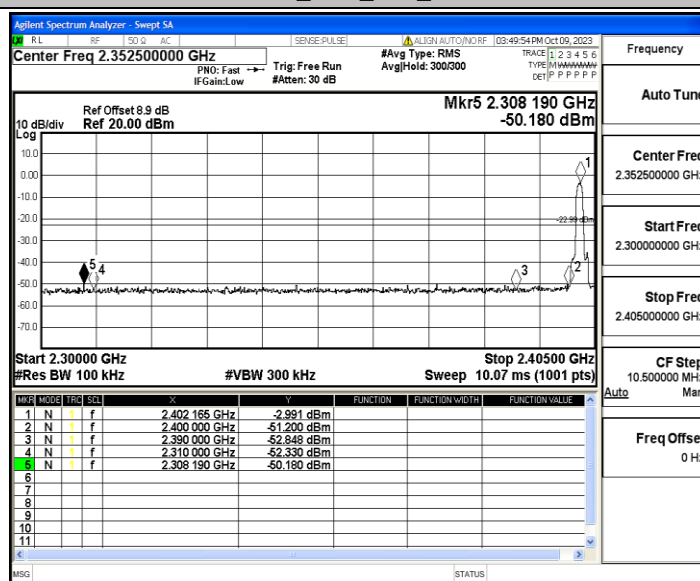
2DH5_Ant1_Low_Hop_2402



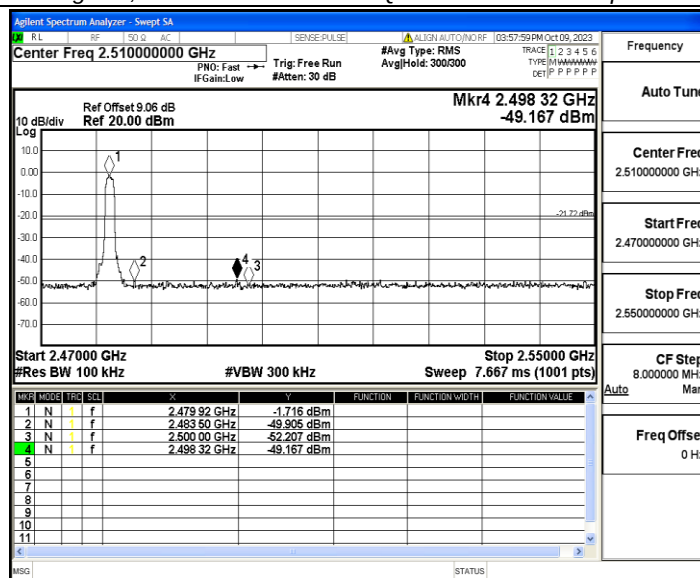
2DH5_Ant1_High_Hop_2480



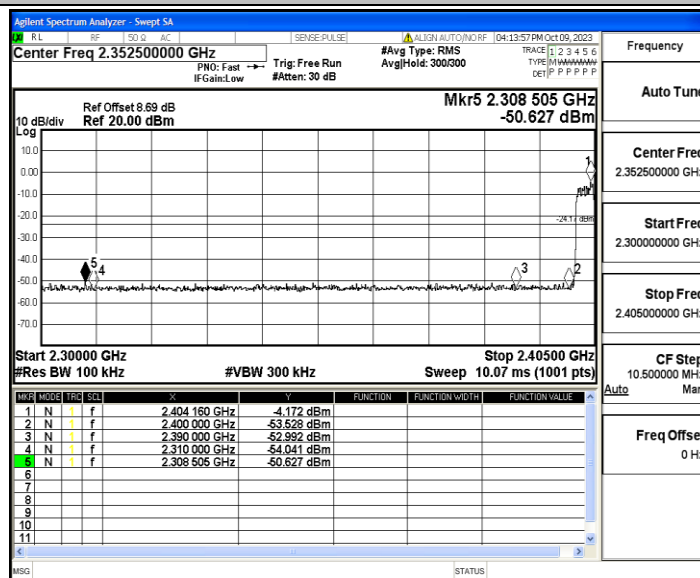
3DH5_Ant1_Low_2402



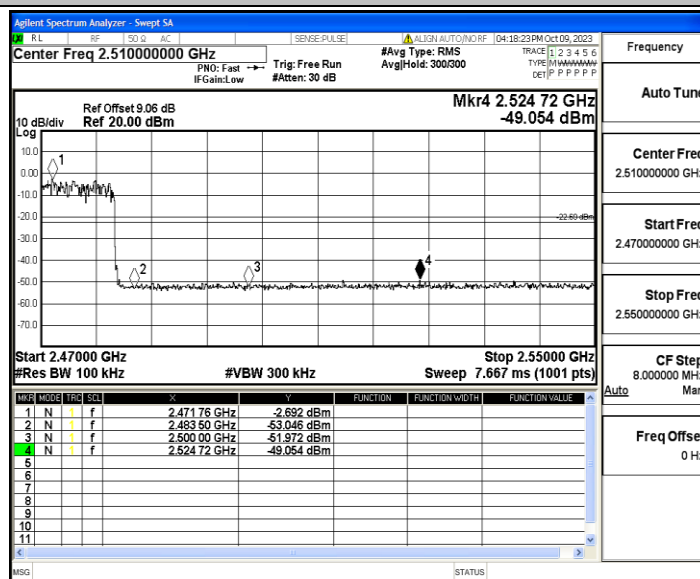
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



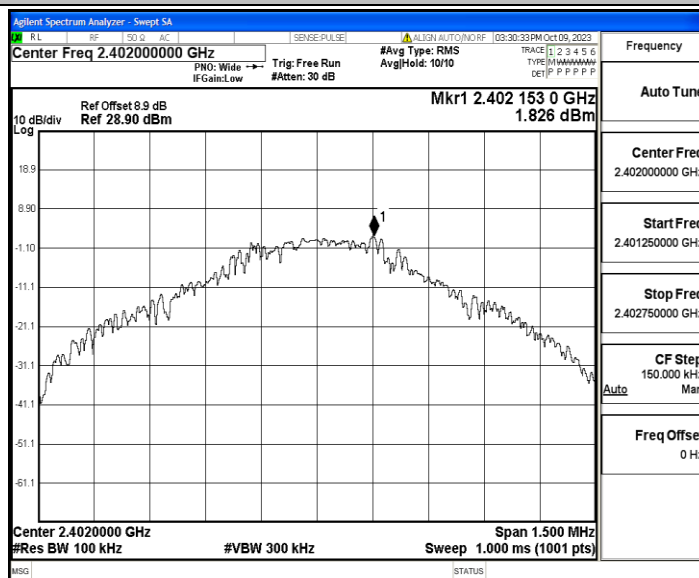
Appendix H: Conducted Spurious Emission

Test Result

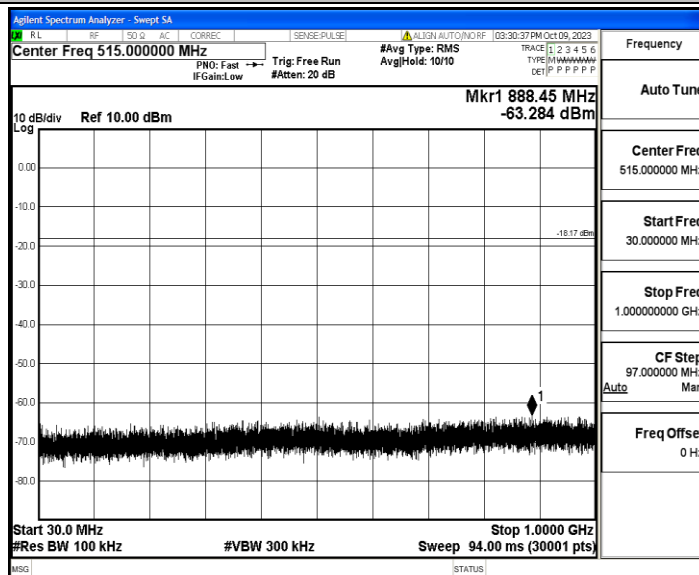
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.83	1.83	---	PASS
			30~1000	1.83	-63.28	≤-18.17	PASS
			1000~26500	1.83	-49.59	≤-18.17	PASS
		2441	Reference	2.35	2.35	---	PASS
			30~1000	2.35	-62.5	≤-17.65	PASS
			1000~26500	2.35	-50.08	≤-17.65	PASS
		2480	Reference	3.11	3.11	---	PASS
			30~1000	3.11	-62.01	≤-16.89	PASS
			1000~26500	3.11	-50.54	≤-16.89	PASS
2DH5	Ant1	2402	Reference	-2.60	-2.60	---	PASS
			30~1000	-2.60	-62.26	≤-22.6	PASS
			1000~26500	-2.60	-50.04	≤-22.6	PASS
		2441	Reference	-3.13	-3.13	---	PASS
			30~1000	-3.13	-63.11	≤-23.13	PASS
			1000~26500	-3.13	-50.4	≤-23.13	PASS
		2480	Reference	-1.46	-1.46	---	PASS
			30~1000	-1.46	-62.38	≤-21.46	PASS
			1000~26500	-1.46	-50.68	≤-21.46	PASS
3DH5	Ant1	2402	Reference	-3.40	-3.40	---	PASS
			30~1000	-3.40	-63.15	≤-23.4	PASS
			1000~26500	-3.40	-50.56	≤-23.4	PASS
		2441	Reference	-1.45	-1.45	---	PASS
			30~1000	-1.45	-62.5	≤-21.45	PASS
			1000~26500	-1.45	-50.8	≤-21.45	PASS
		2480	Reference	-2.09	-2.09	---	PASS
			30~1000	-2.09	-62.81	≤-22.09	PASS
			1000~26500	-2.09	-50.25	≤-22.09	PASS

Test Graphs

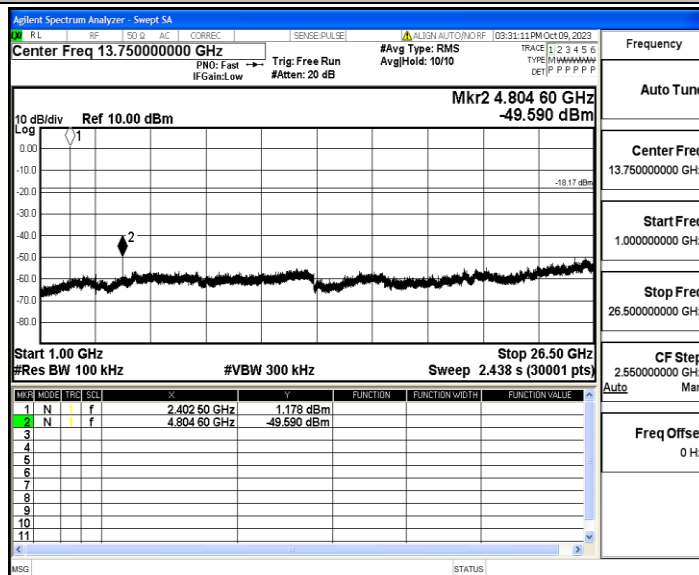
DH5_Ant1_2402_0~Reference



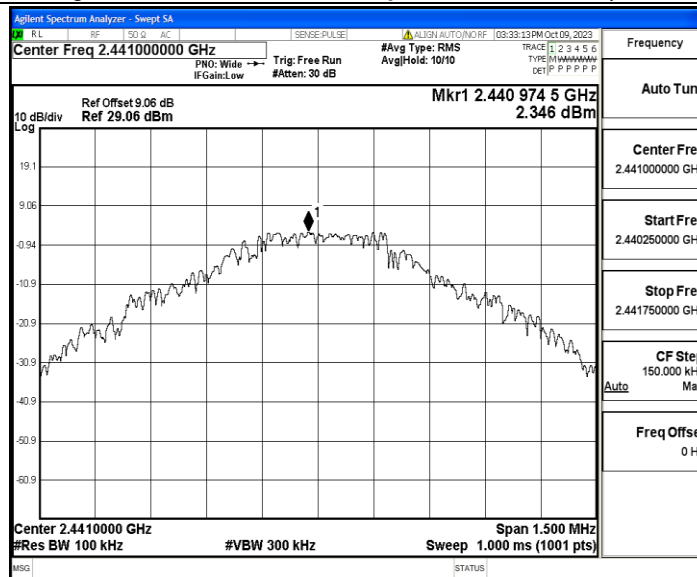
DH5_Ant1_2402_30~1000



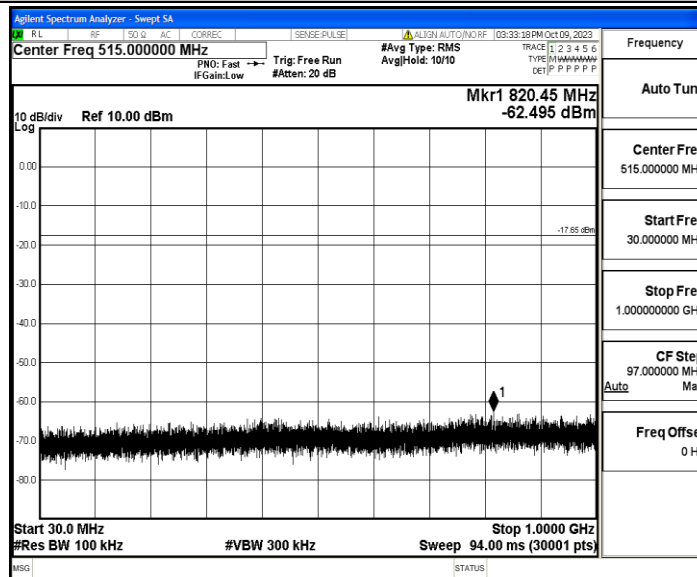
DH5_Ant1_2402_1000~26500



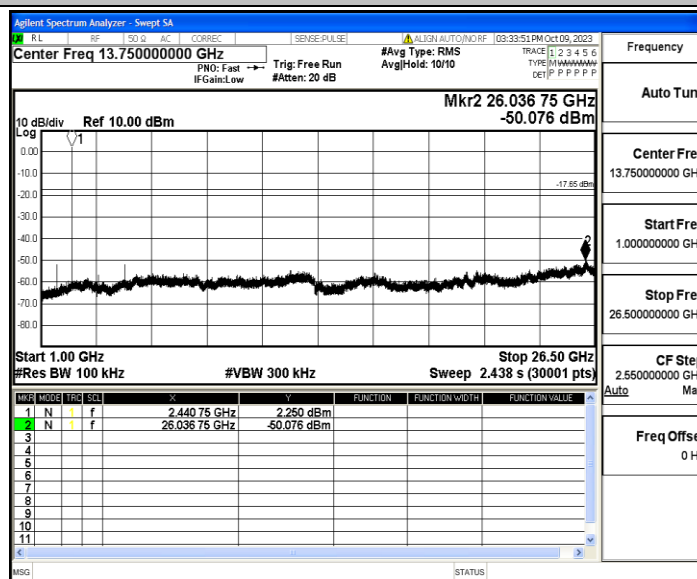
DH5_Ant1_2441_0~Reference



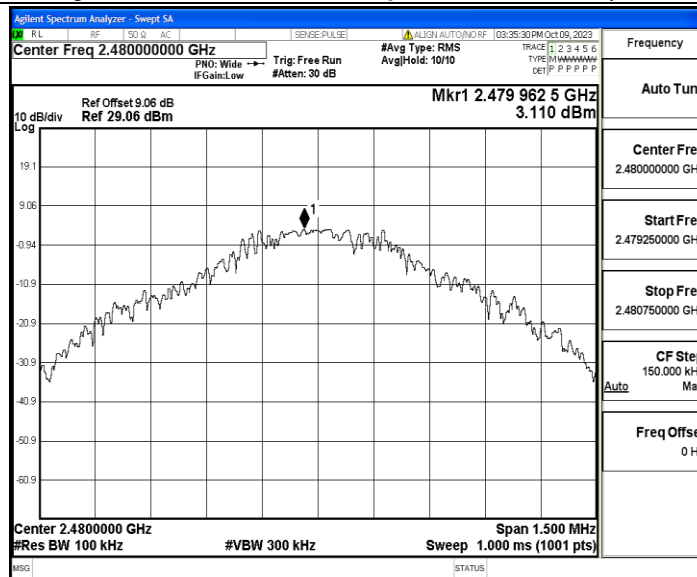
DH5_Ant1_2441_30~1000



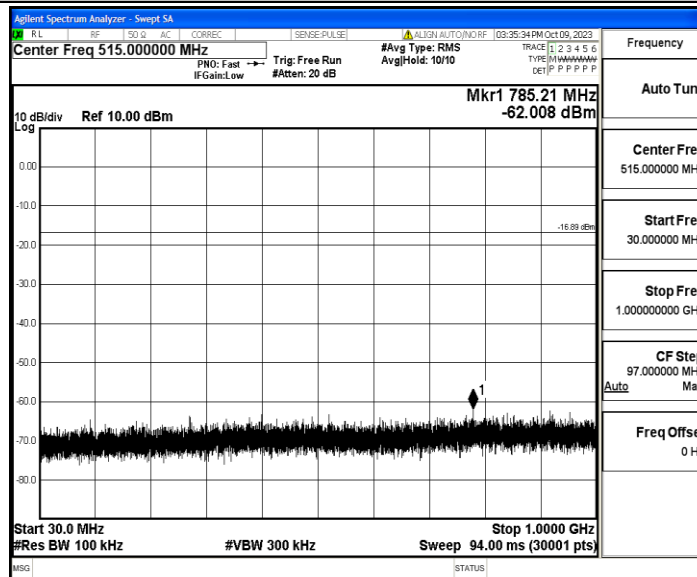
DH5_Ant1_2441_1000~26500



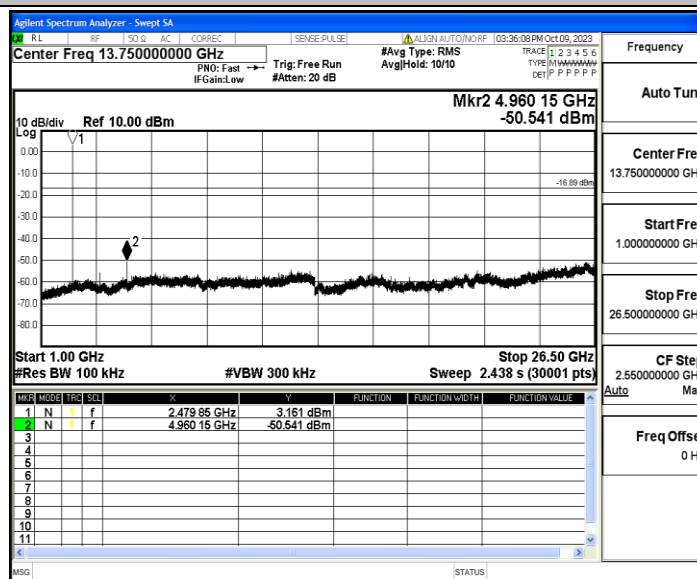
DH5_Ant1_2480_0~Reference



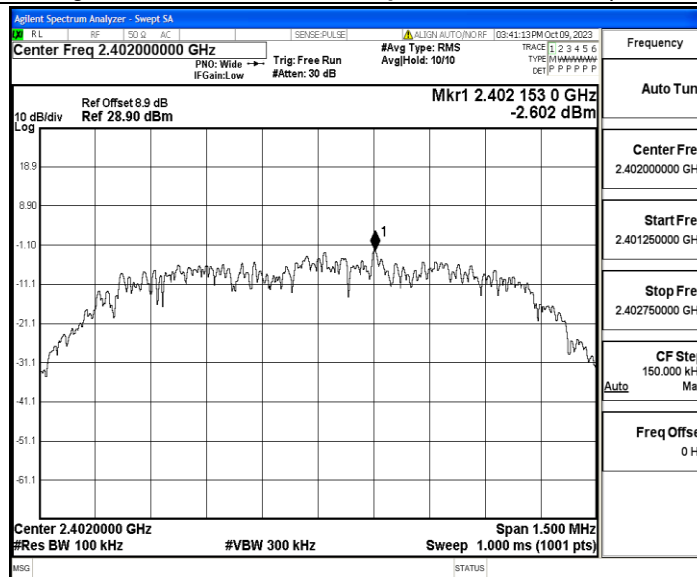
DH5_Ant1_2480_30~1000



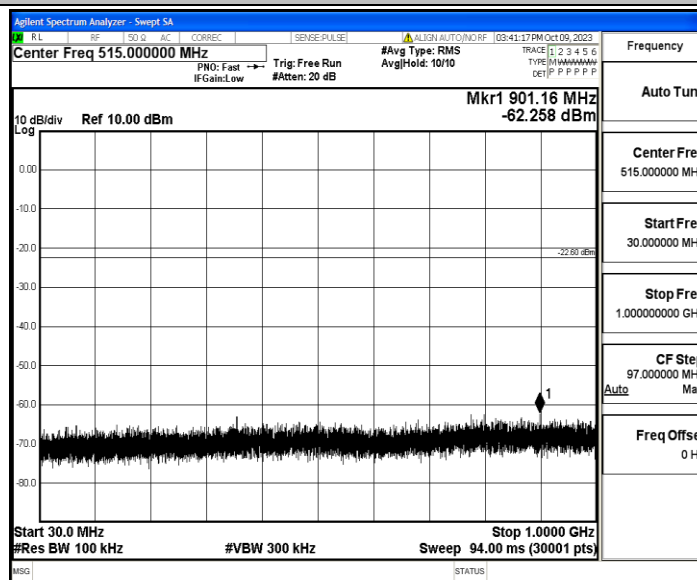
DH5_Ant1_2480_1000~26500



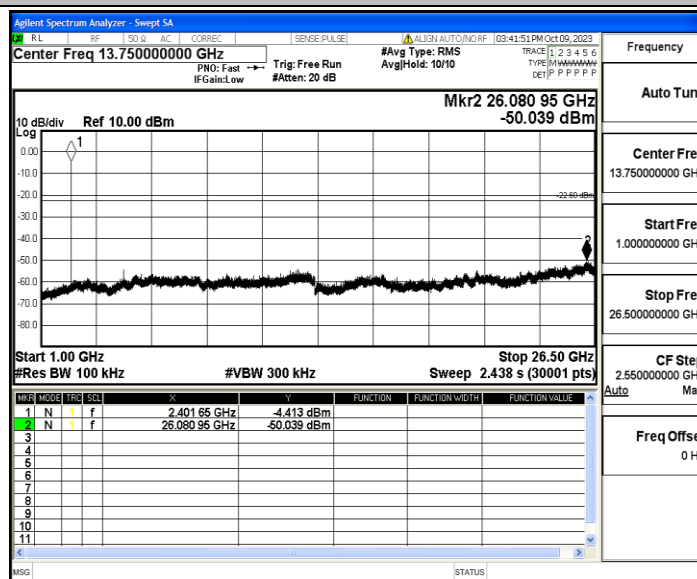
2DH5_Ant1_2402_0~Reference



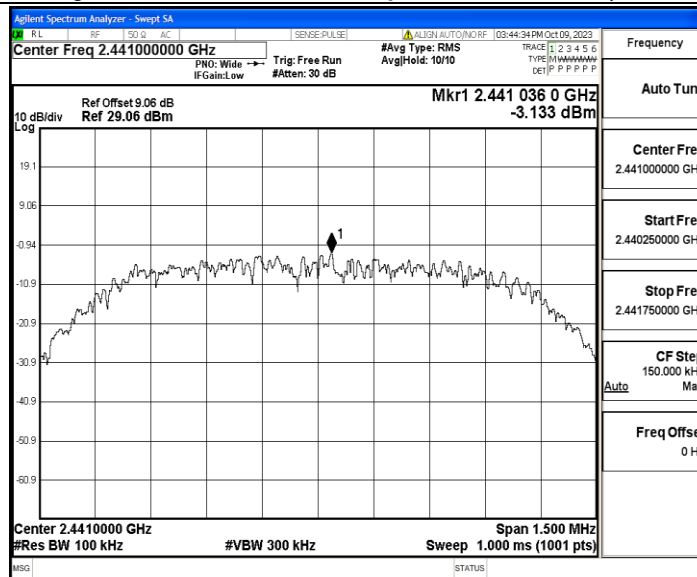
2DH5_Ant1_2402_30~1000



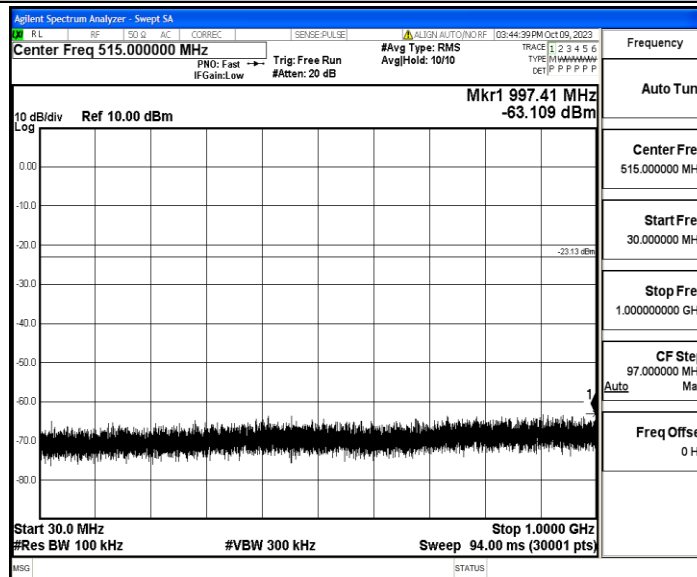
2DH5_Ant1_2402_1000~26500



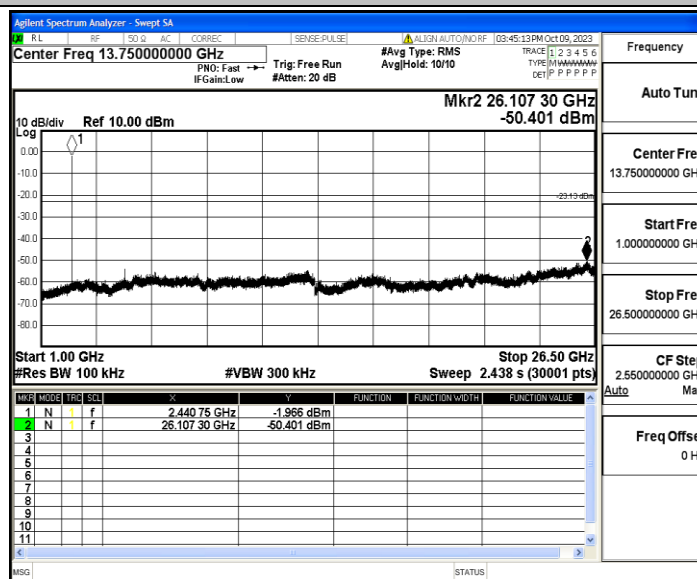
2DH5_Ant1_2441_0~Reference



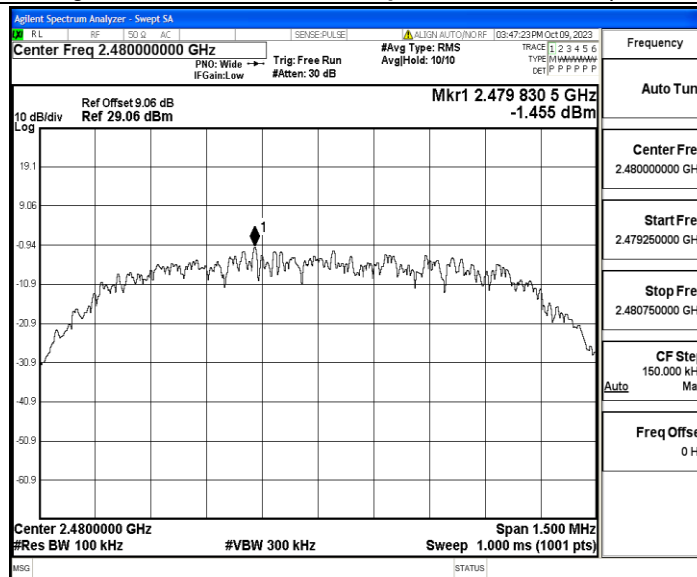
2DH5_Ant1_2441_30~1000



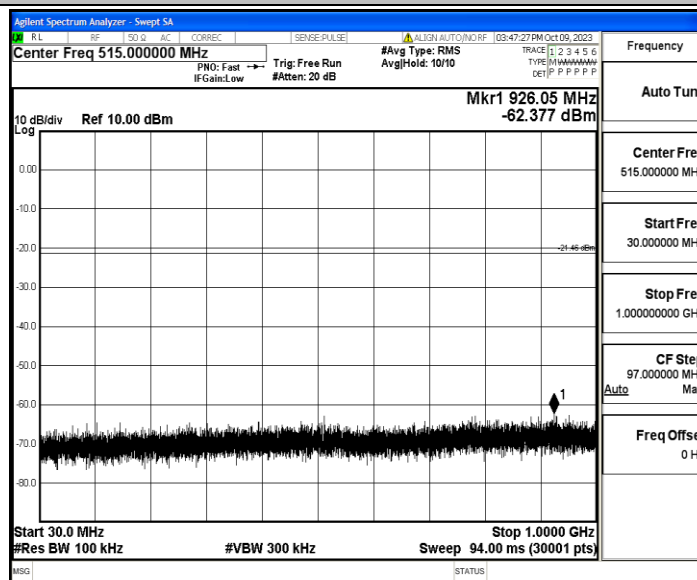
2DH5_Ant1_2441_1000~26500



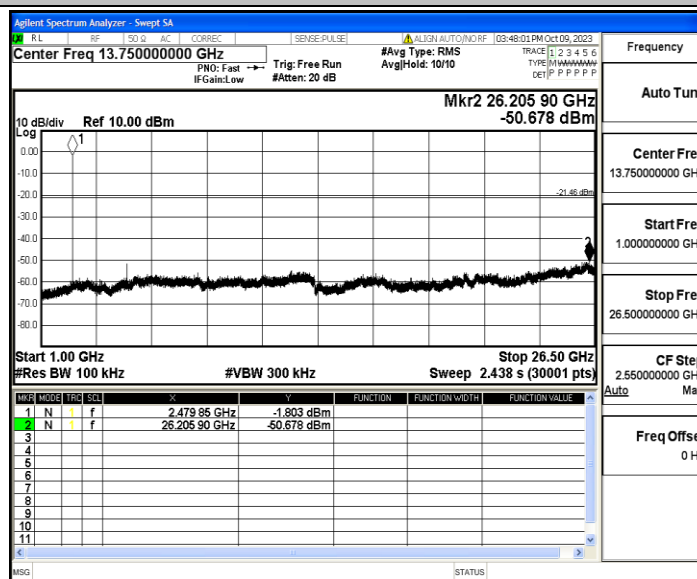
2DH5_Ant1_2480_0~Reference



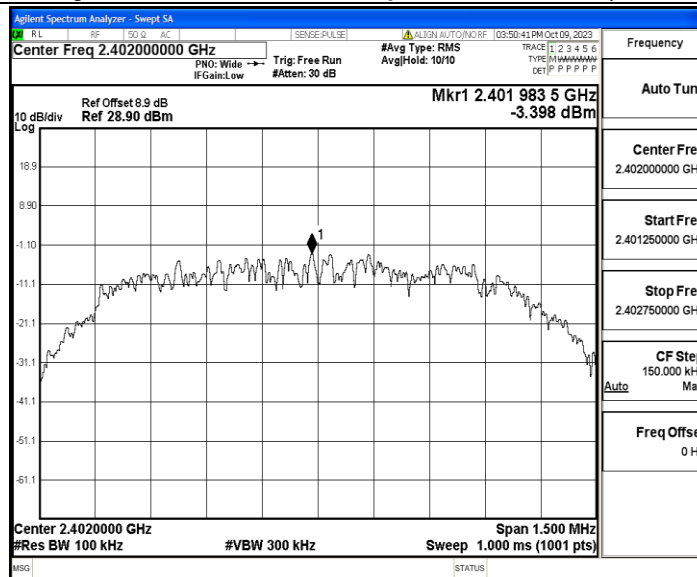
2DH5_Ant1_2480_30~1000



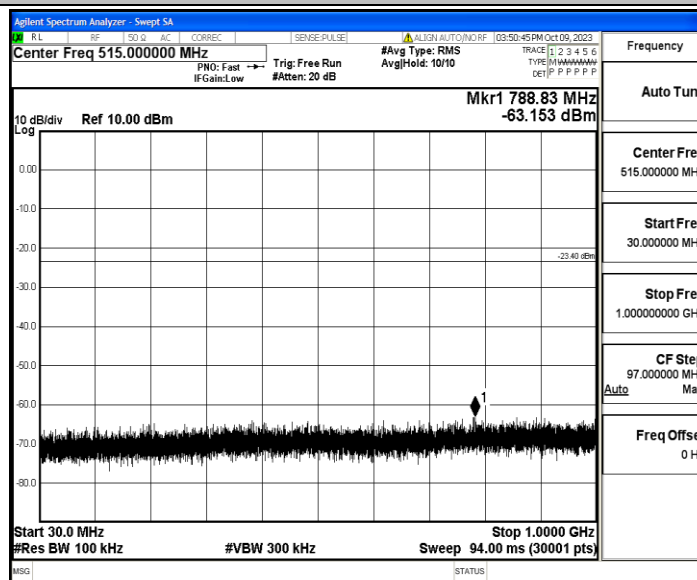
2DH5_Ant1_2480_1000~26500



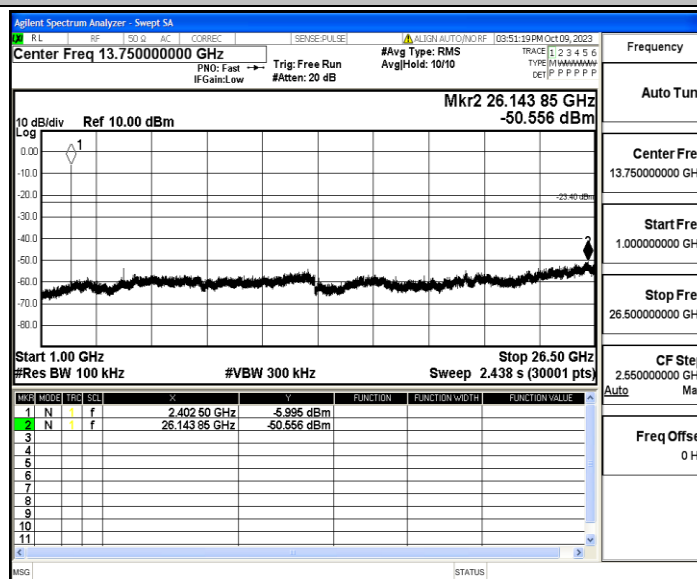
3DH5_Ant1_2402_0~Reference



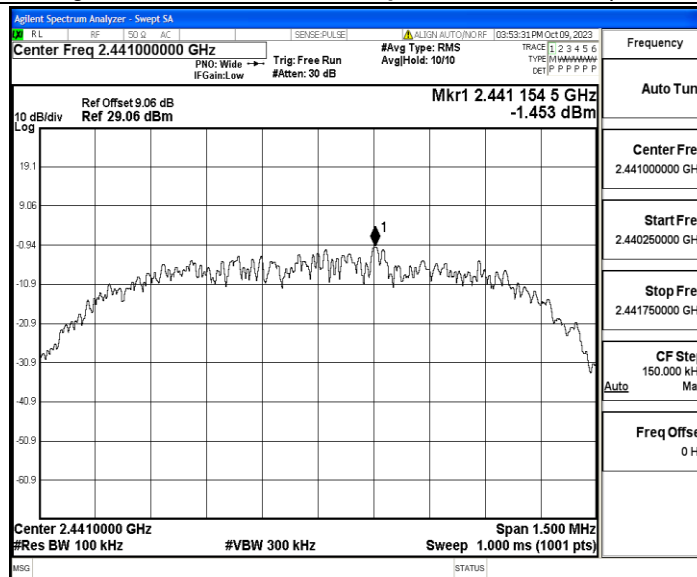
3DH5_Ant1_2402_30~1000



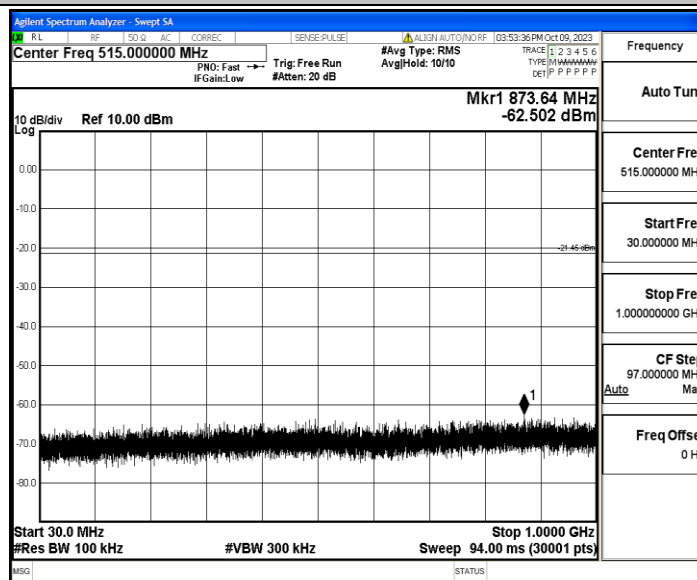
3DH5_Ant1_2402_1000~26500



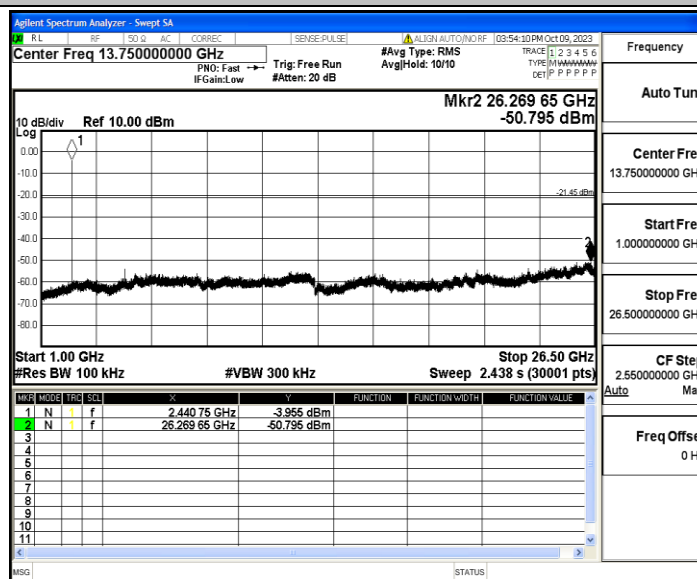
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference