

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Falcon, HOMATICS Device

Trade Mark: CAAVO,HOMATICS

Test Model: CFWT-01 (with Tuner)

FCC ID: 2AOVU-CFWT01

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

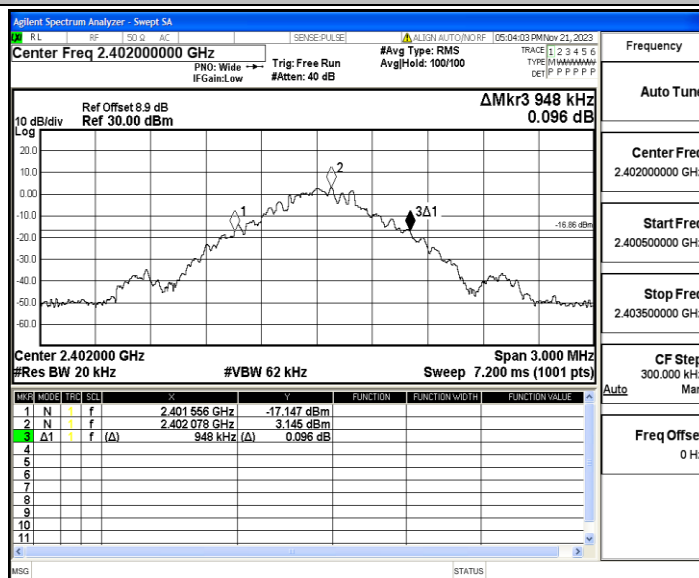
Appendix A: 20dB Emission Bandwidth

Test Result

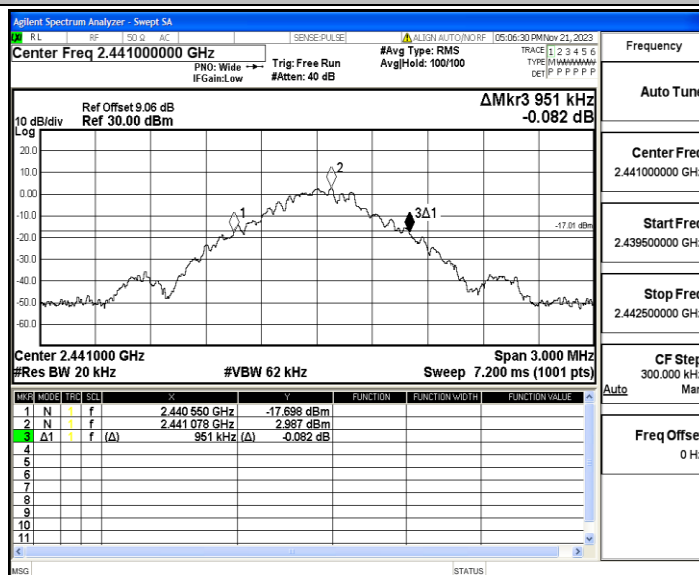
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.556	2402.504	---	---
		2441	0.951	2440.550	2441.501	---	---
		2480	0.948	2479.553	2480.501	---	---
2DH5	Ant1	2402	1.308	2401.361	2402.669	---	---
		2441	1.314	2440.358	2441.672	---	---
		2480	1.308	2479.361	2480.669	---	---
3DH5	Ant1	2402	1.278	2401.367	2402.645	---	---
		2441	1.308	2440.364	2441.672	---	---
		2480	1.293	2479.367	2480.660	---	---

Test Graphs

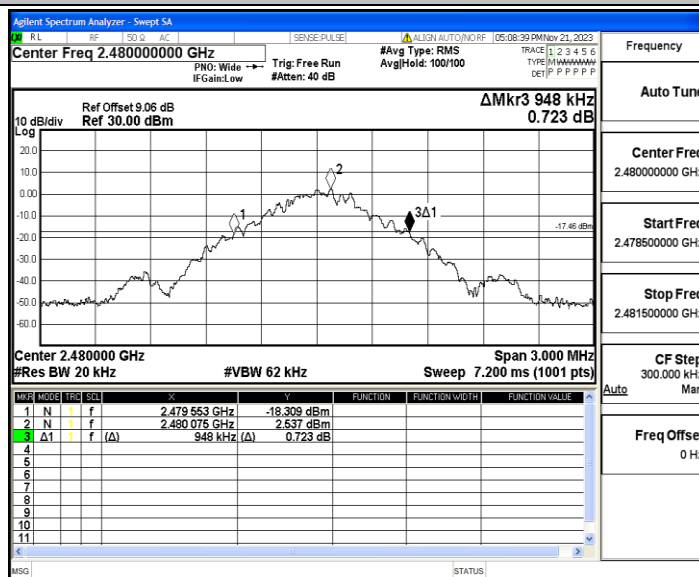
DH5_Ant1_2402



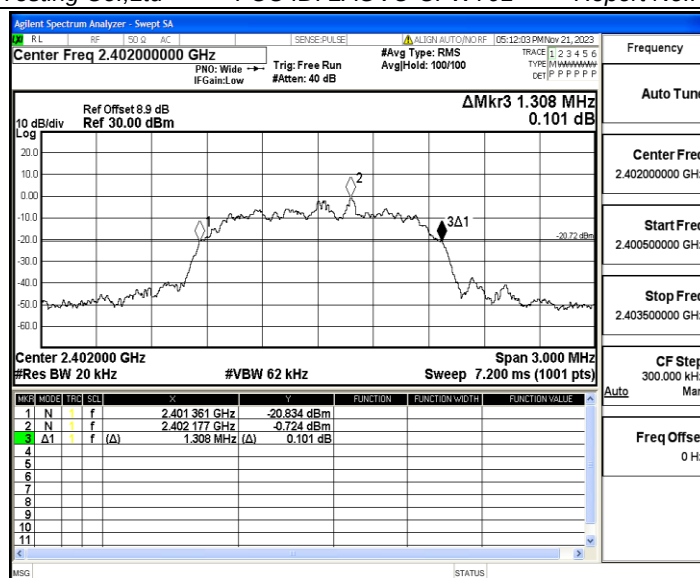
DH5_Ant1_2441



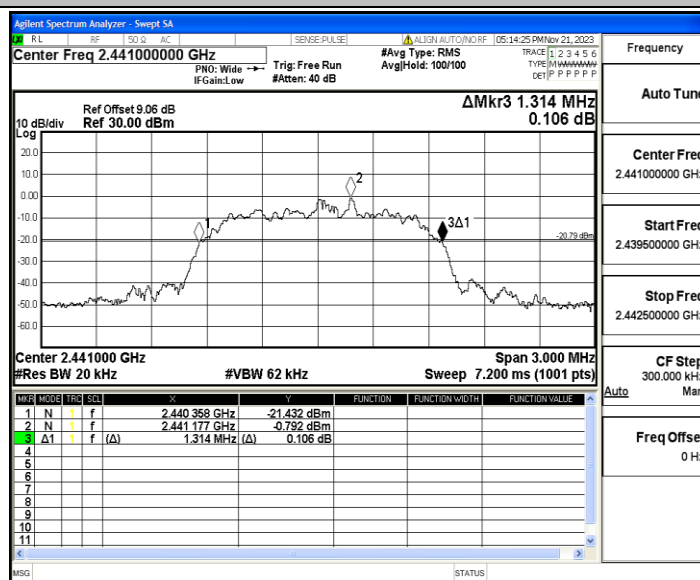
DH5_Ant1_2480



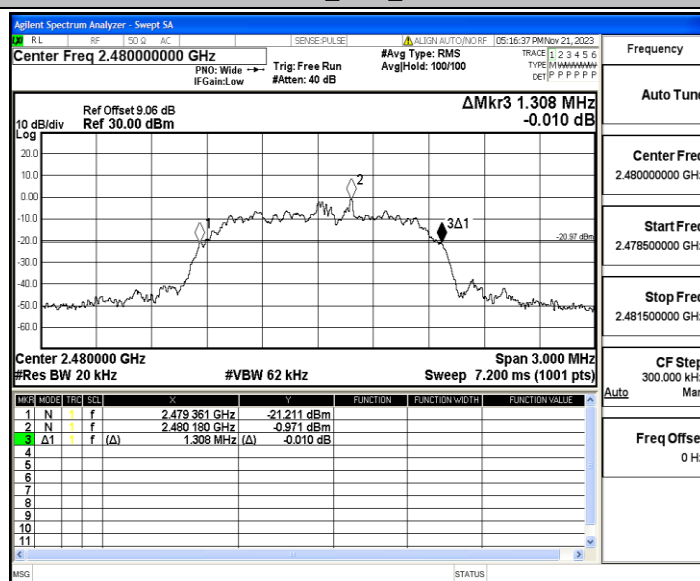
2DH5_Ant1_2402



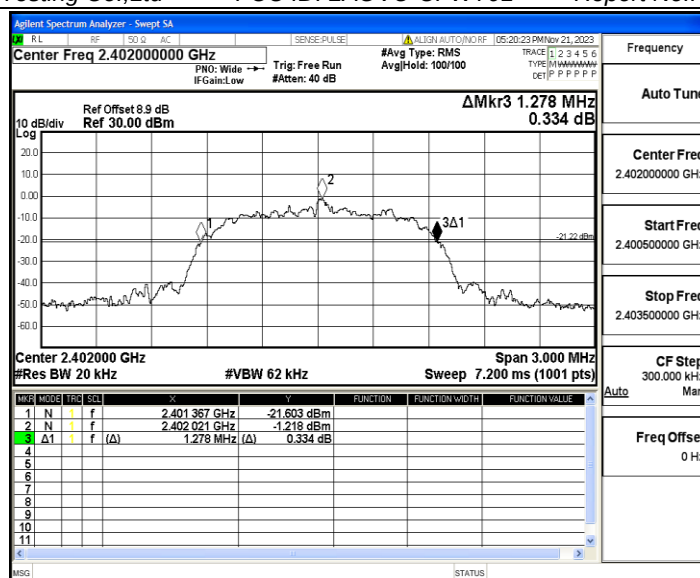
2DH5_Ant1_2441



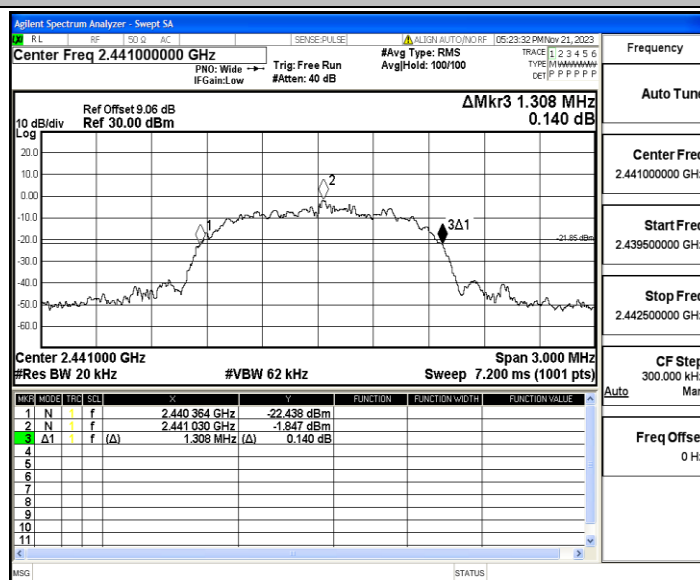
2DH5_Ant1_2480



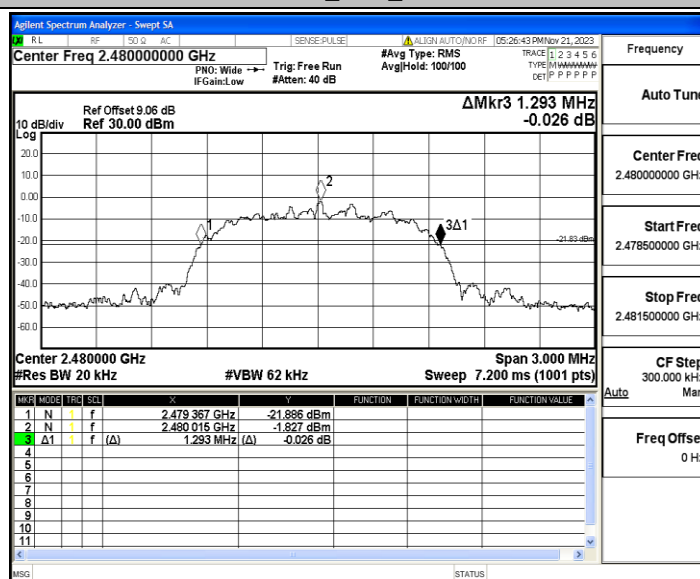
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



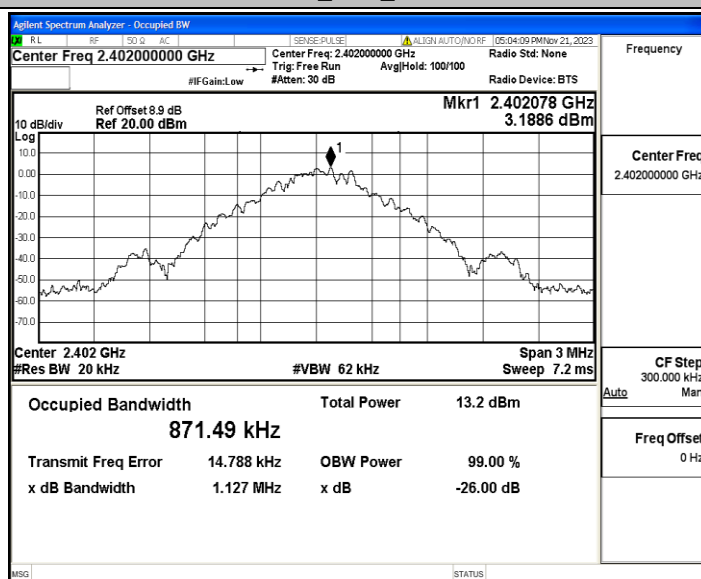
Appendix B: Occupied Channel Bandwidth

Test Result

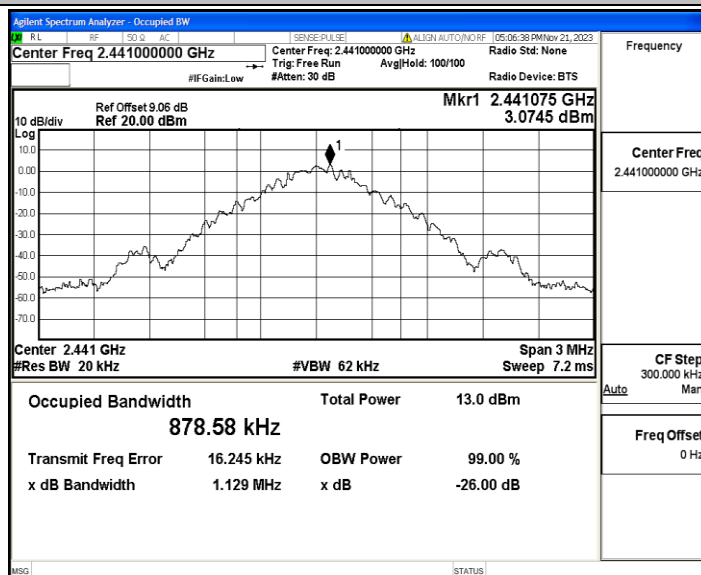
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87149	2401.5790	2402.4505	---	---
		2441	0.87858	2440.5770	2441.4555	---	---
		2480	0.86837	2479.5781	2480.4465	---	---
2DH5	Ant1	2402	1.1888	2401.4231	2402.6119	---	---
		2441	1.1878	2440.4210	2441.6088	---	---
		2480	1.1787	2479.4263	2480.6050	---	---
3DH5	Ant1	2402	1.1881	2401.4149	2402.6030	---	---
		2441	1.1844	2440.4171	2441.6015	---	---
		2480	1.1762	2479.4245	2480.6007	---	---

Test Graphs

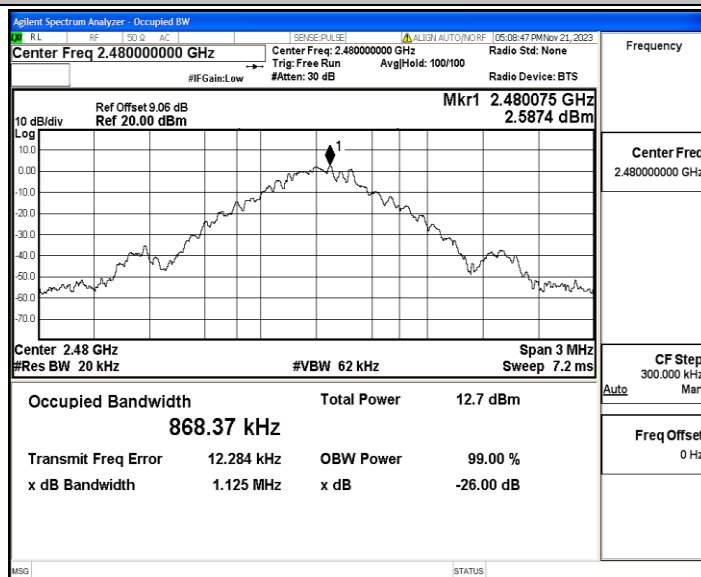
DH5_Ant1_2402



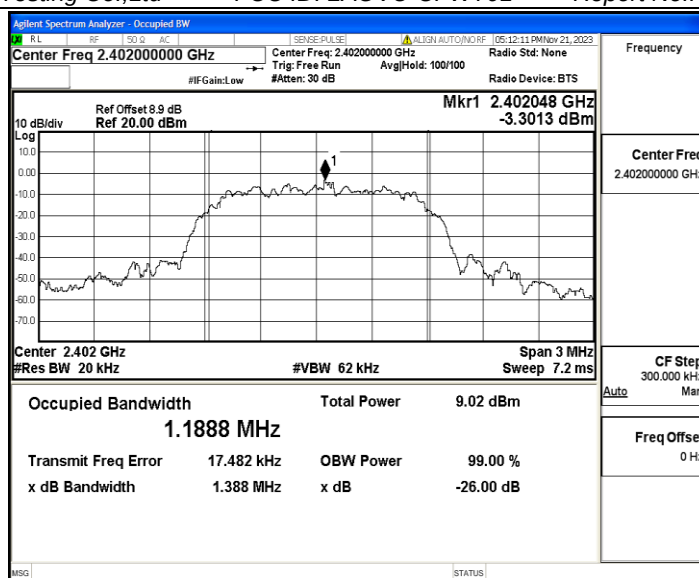
DH5_Ant1_2441



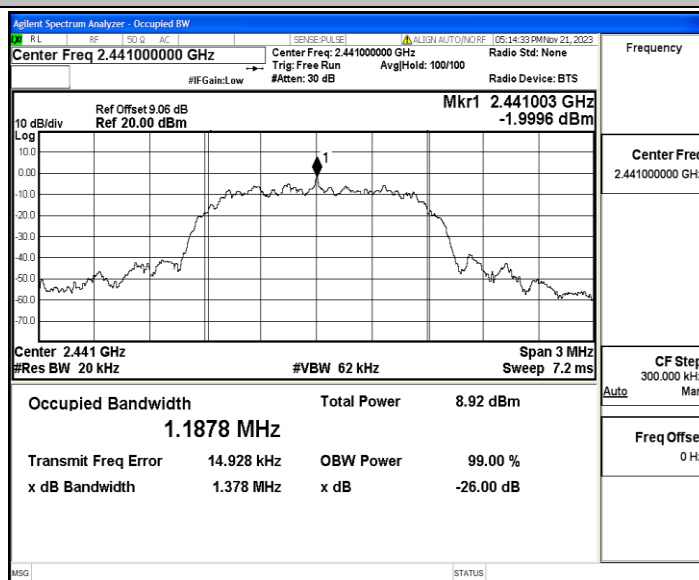
DH5_Ant1_2480



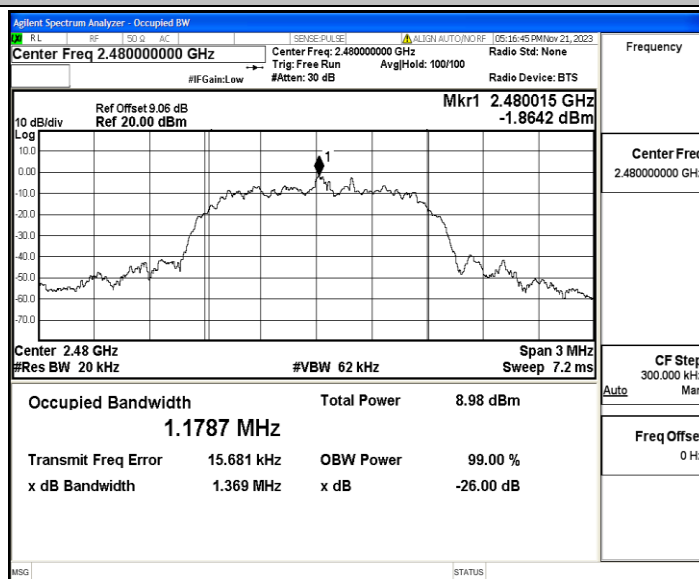
2DH5_Ant1_2402



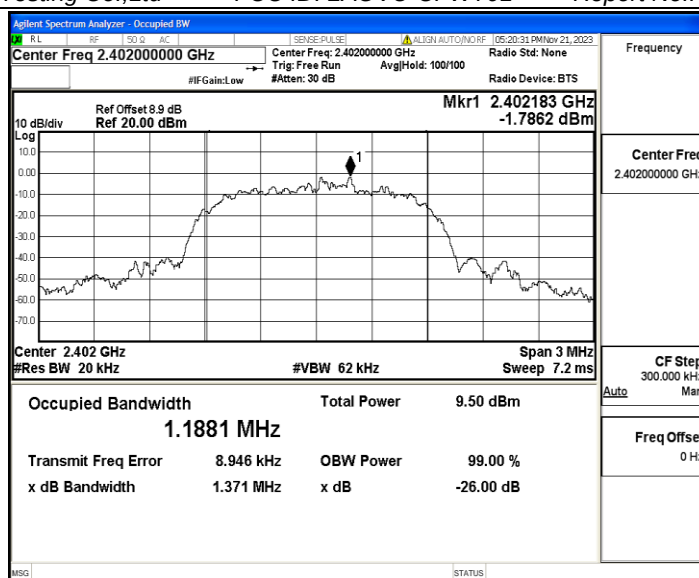
2DH5_Ant1_2441



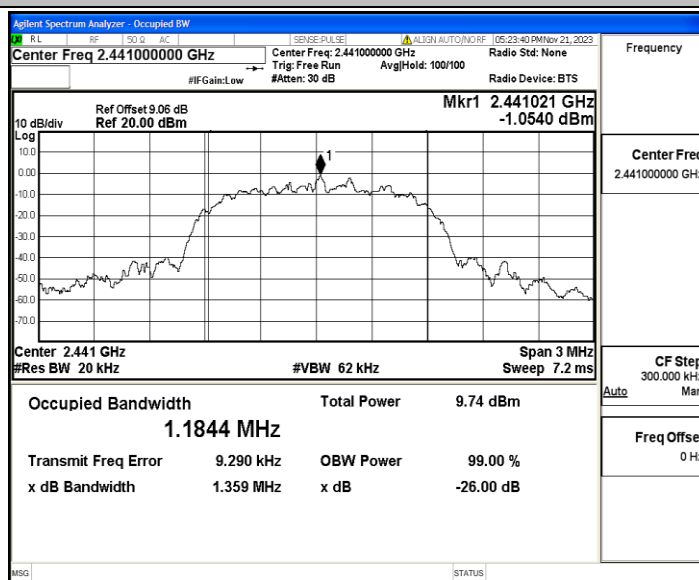
2DH5_Ant1_2480



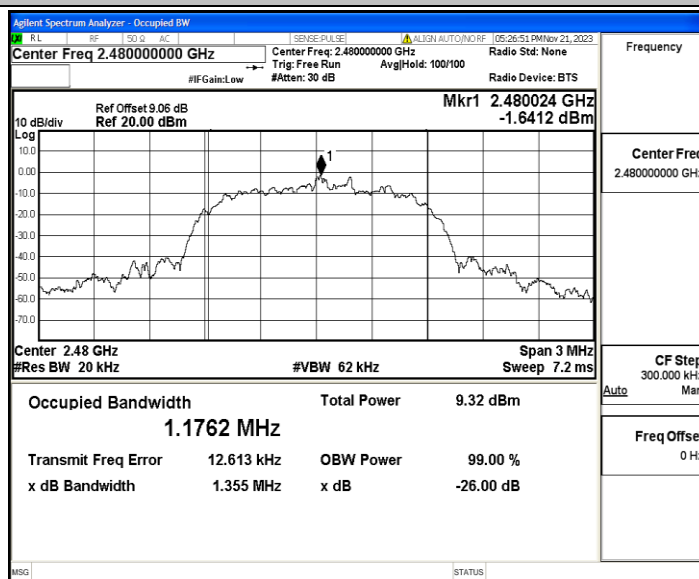
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



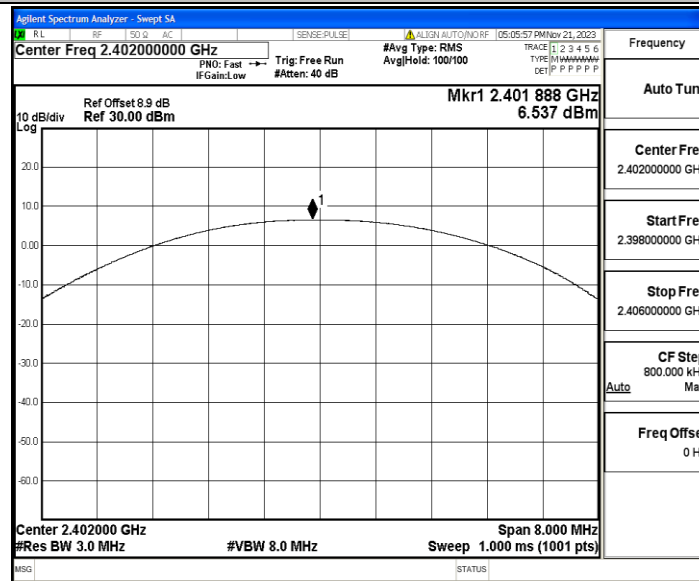
Appendix C: Maximum Peak conducted output power

Test Result

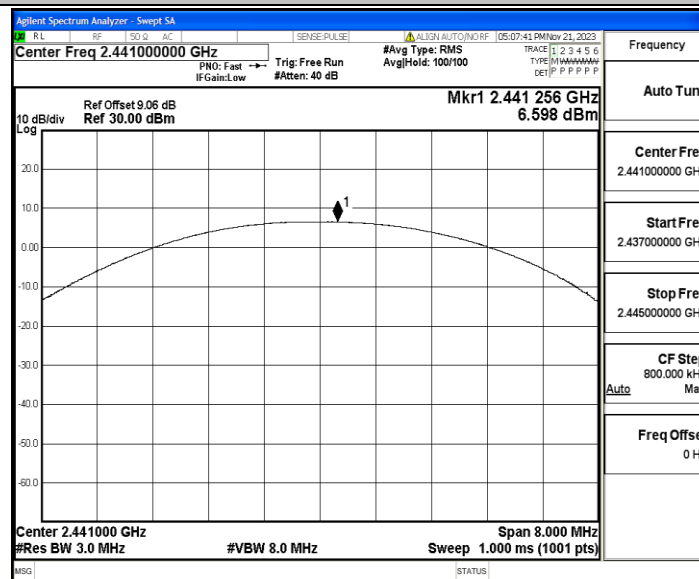
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	6.54	≤ 20.97	PASS
		2441	6.6	≤ 20.97	PASS
		2480	6.09	≤ 20.97	PASS
2DH5	Ant1	2402	4.9	≤ 20.97	PASS
		2441	5.02	≤ 20.97	PASS
		2480	4.44	≤ 20.97	PASS
3DH5	Ant1	2402	5.56	≤ 20.97	PASS
		2441	5.63	≤ 20.97	PASS
		2480	5.01	≤ 20.97	PASS

Test Graphs

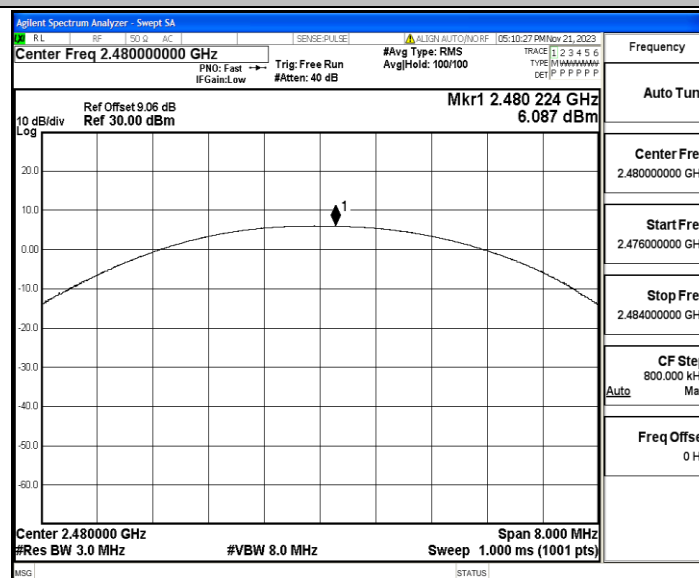
DH5_Ant1_2402



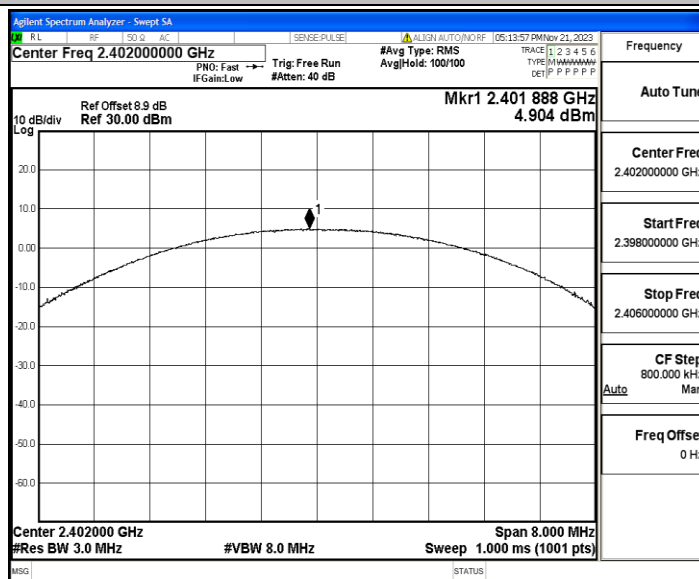
DH5_Ant1_2441



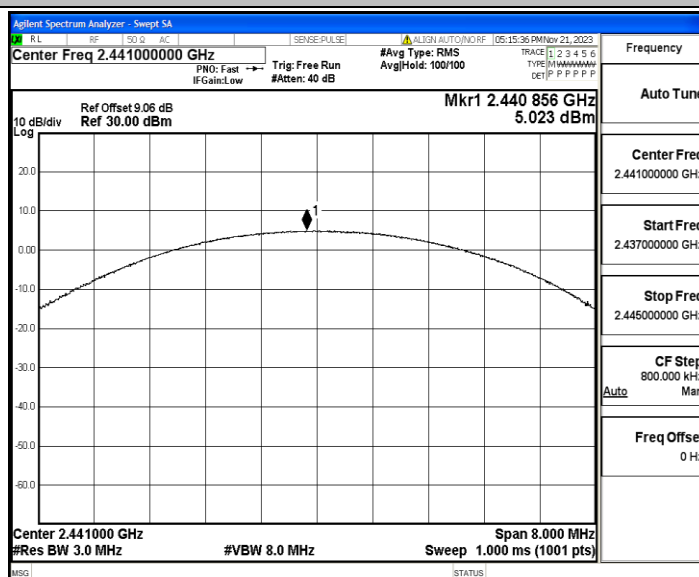
DH5_Ant1_2480



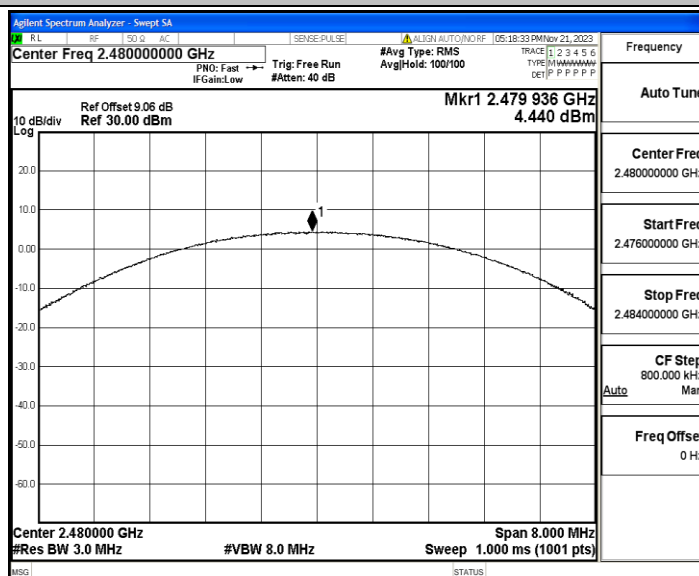
2DH5_Ant1_2402



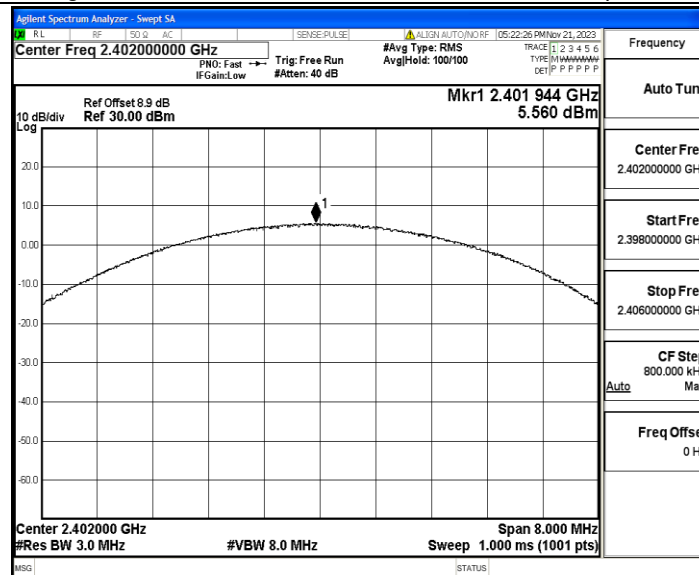
2DH5_Ant1_2441



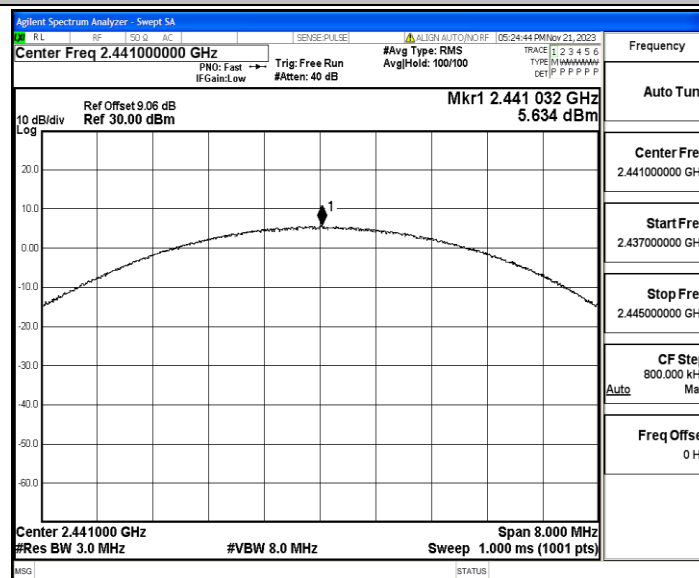
2DH5_Ant1_2480



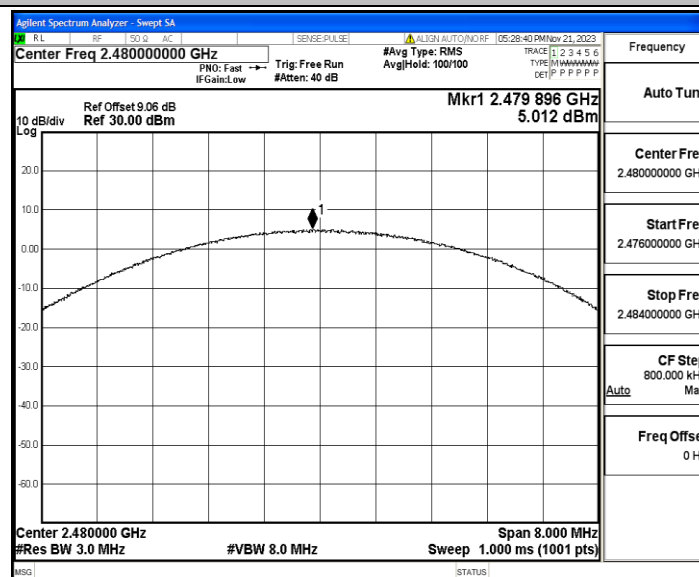
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

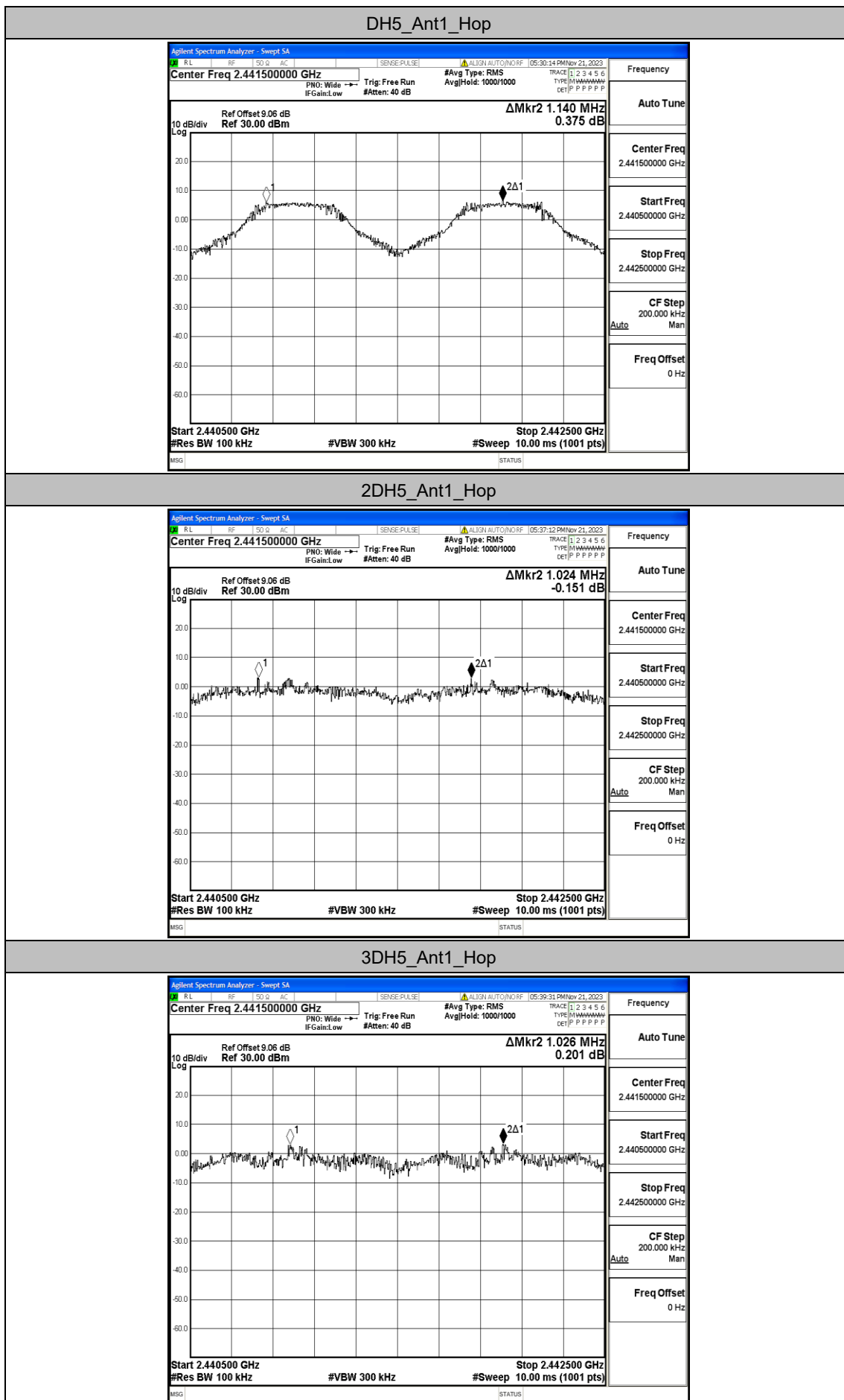


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.14	≥ 0.951	PASS
2DH5	Ant1	Hop	1.024	≥ 0.876	PASS
3DH5	Ant1	Hop	1.026	≥ 0.872	PASS

Test Graphs

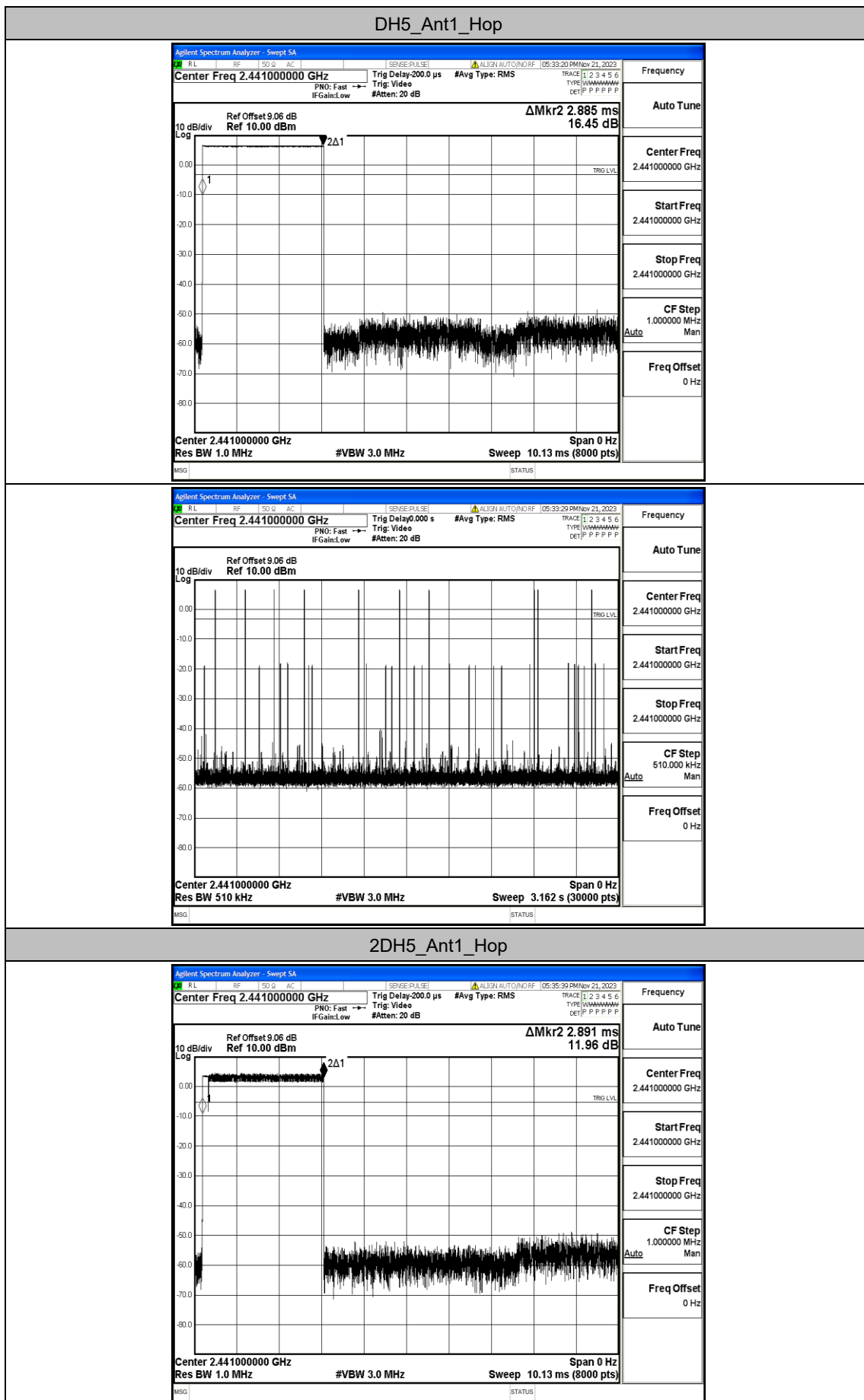


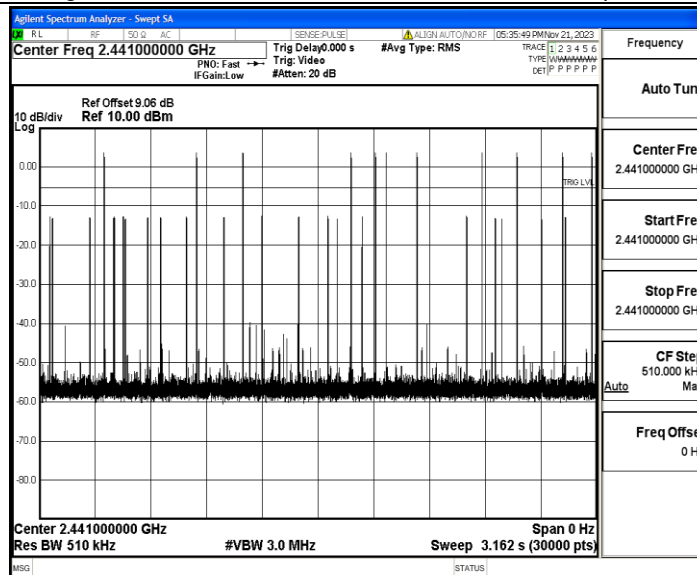
Appendix E: Time of occupancy

Test Result

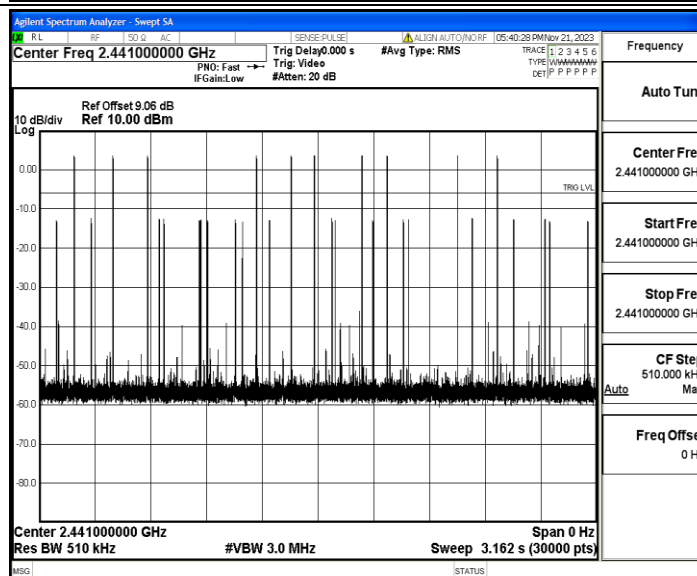
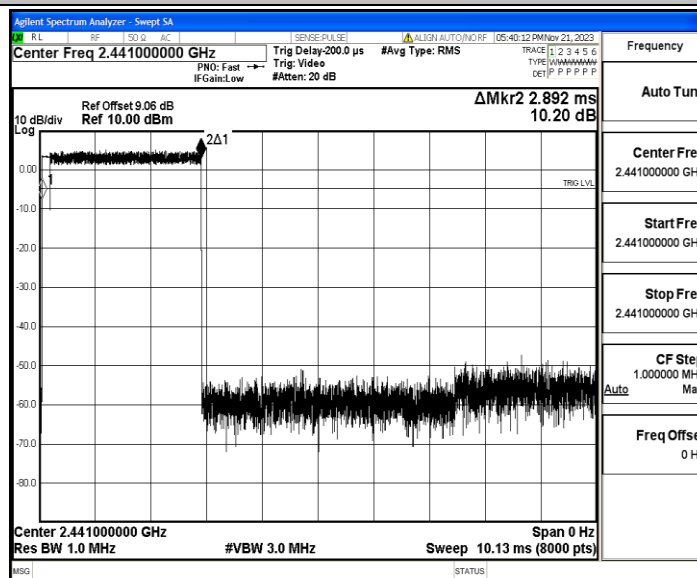
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	120	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.891	120	0.347	≤0.4	PASS
3DH5	Ant1	Hop	2.892	110	0.318	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

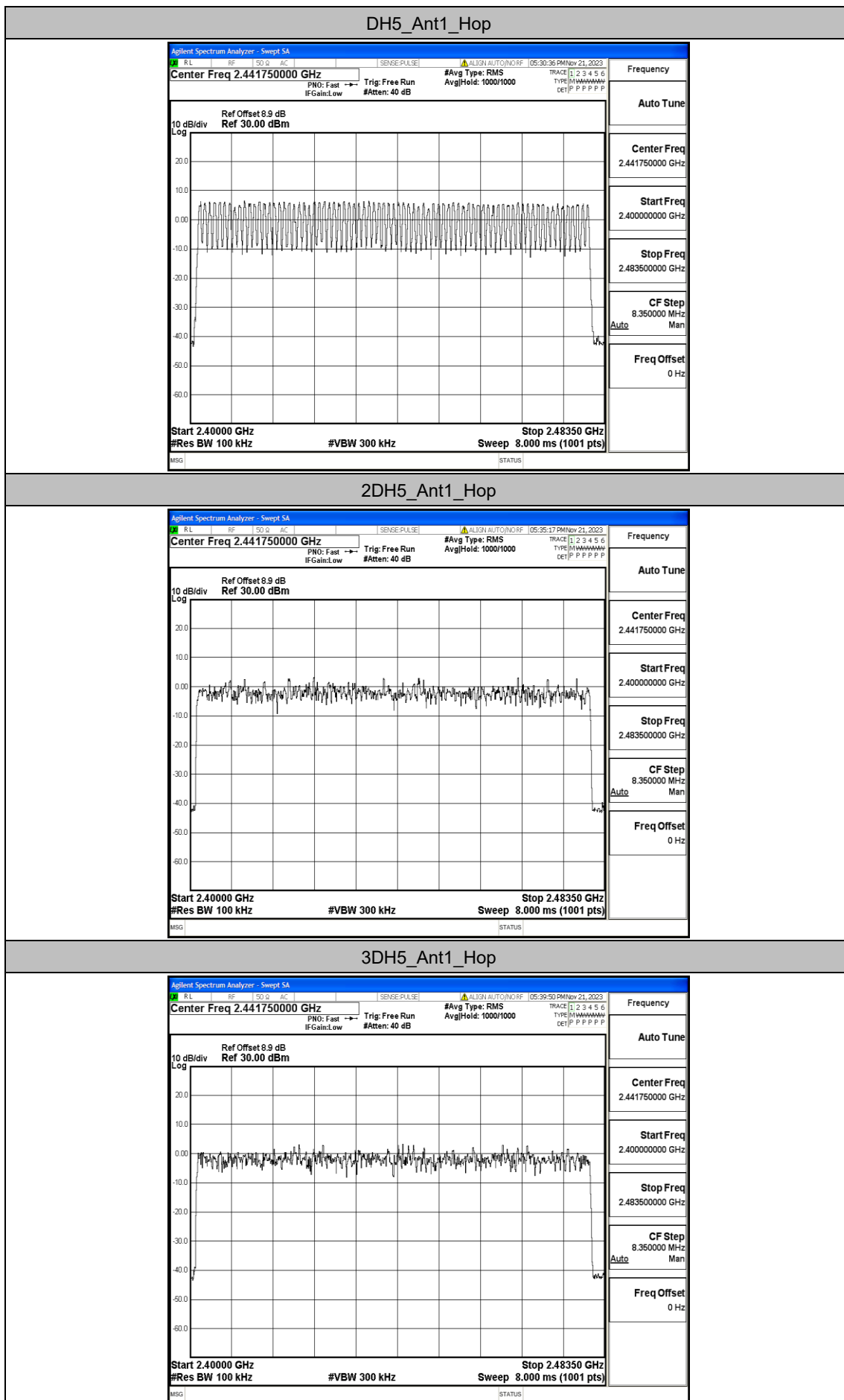


Appendix F: Number of hopping channels

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



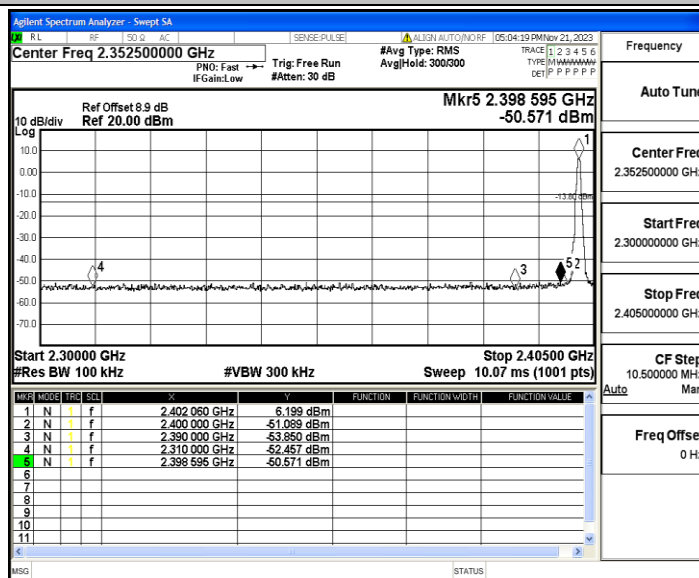
Appendix G: Band edge measurements

Test Result

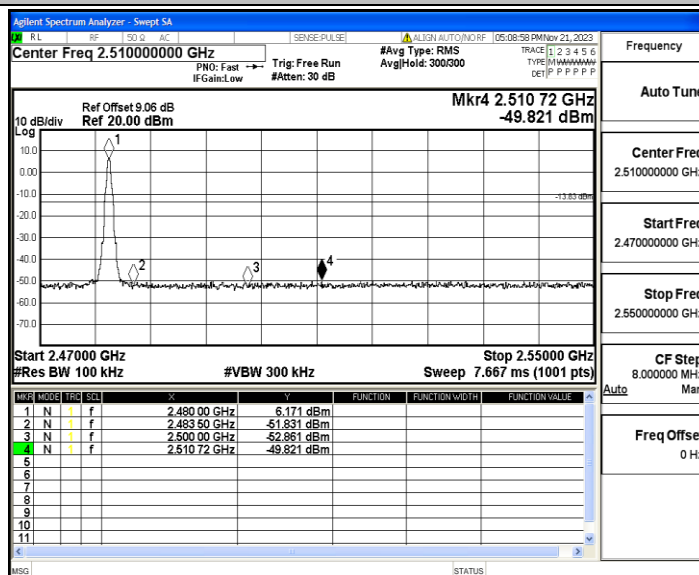
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	6.20	-50.57	≤ -13.8	PASS
		High	2480	6.17	-49.82	≤ -13.83	PASS
		Low	Hop_2402	5.77	-50.05	≤ -14.23	PASS
		High	Hop_2480	5.50	-49.39	≤ -14.5	PASS
2DH5	Ant1	Low	2402	3.32	-50.74	≤ -16.68	PASS
		High	2480	2.68	-49.19	≤ -17.32	PASS
		Low	Hop_2402	-0.65	-50.63	≤ -20.65	PASS
		High	Hop_2480	-0.41	-48.88	≤ -20.41	PASS
3DH5	Ant1	Low	2402	2.89	-50.6	≤ -17.11	PASS
		High	2480	2.91	-48.57	≤ -17.09	PASS
		Low	Hop_2402	-1.85	-49.08	≤ -21.85	PASS
		High	Hop_2480	2.06	-49.11	≤ -17.94	PASS

Test Graphs

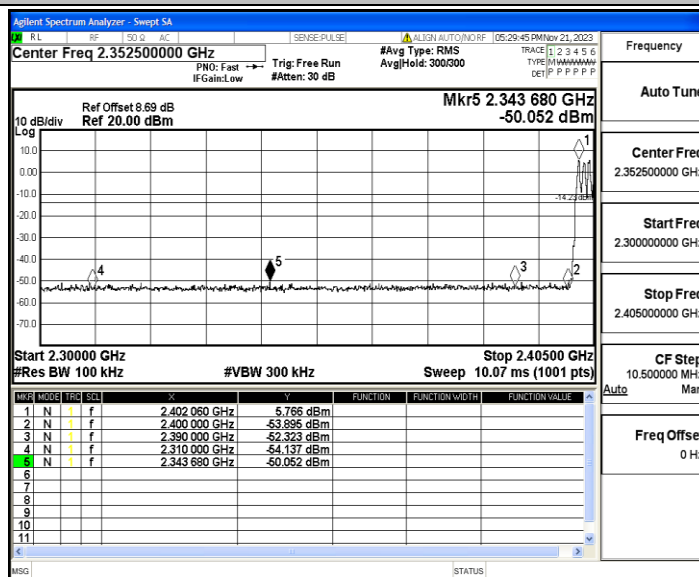
DH5_Ant1_Low_2402



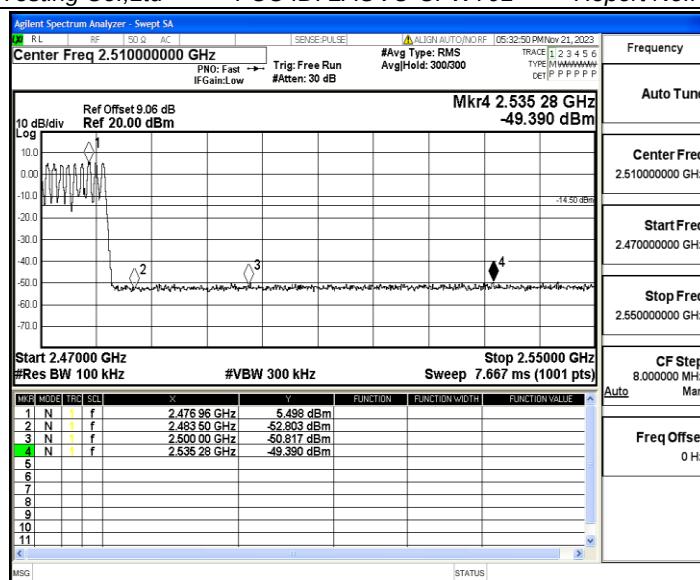
DH5_Ant1_High_2480



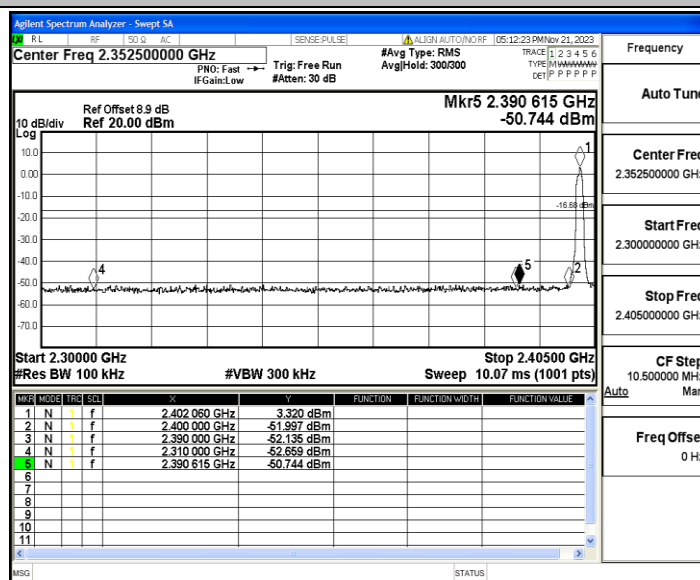
DH5_Ant1_Low_Hop_2402



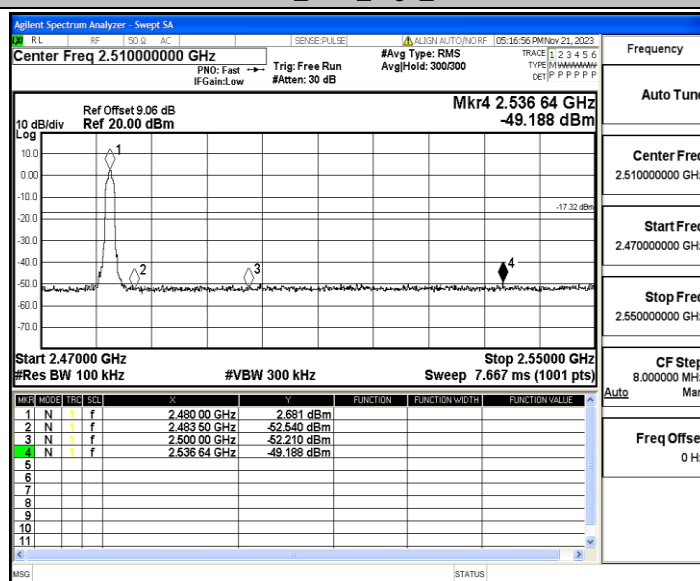
DH5_Ant1_High_Hop_2480



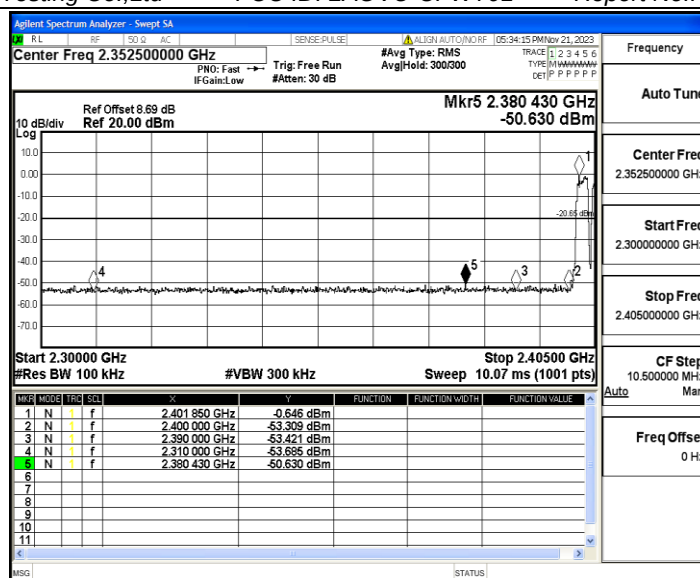
2DH5_Ant1_Low_2402



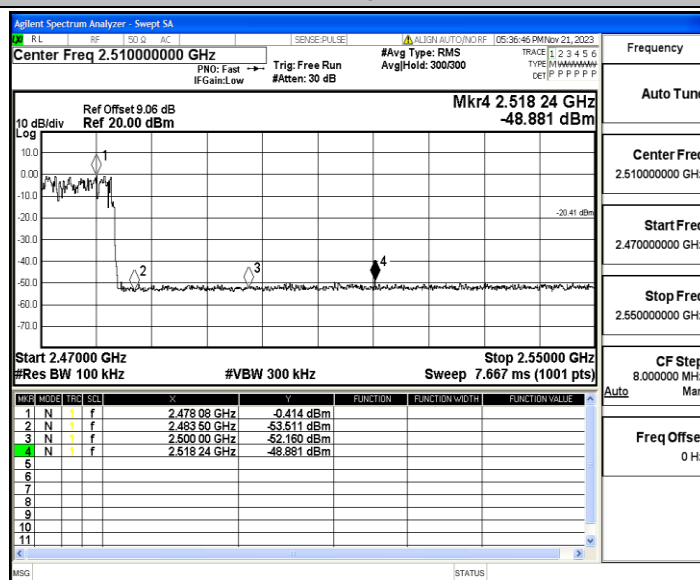
2DH5_Ant1_High_2480



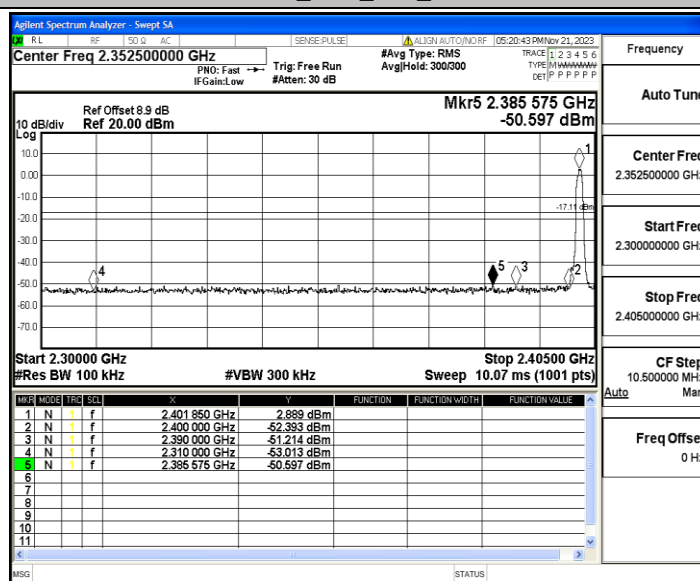
2DH5_Ant1_Low_Hop_2402



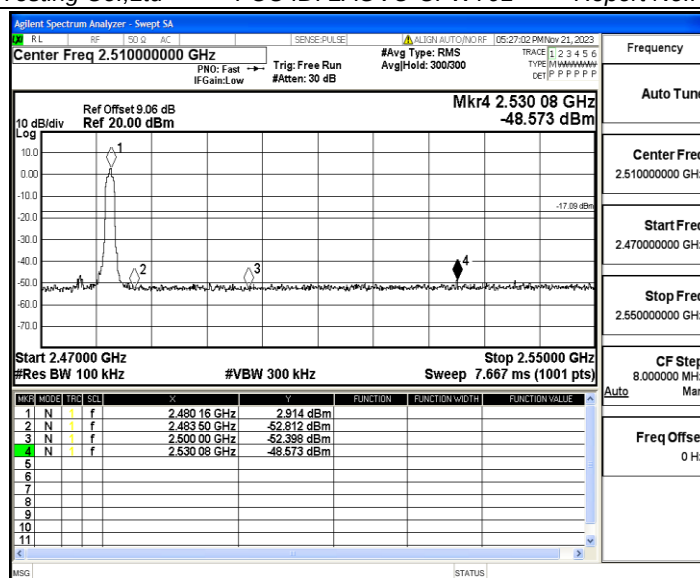
2DH5_Ant1_High_Hop_2480



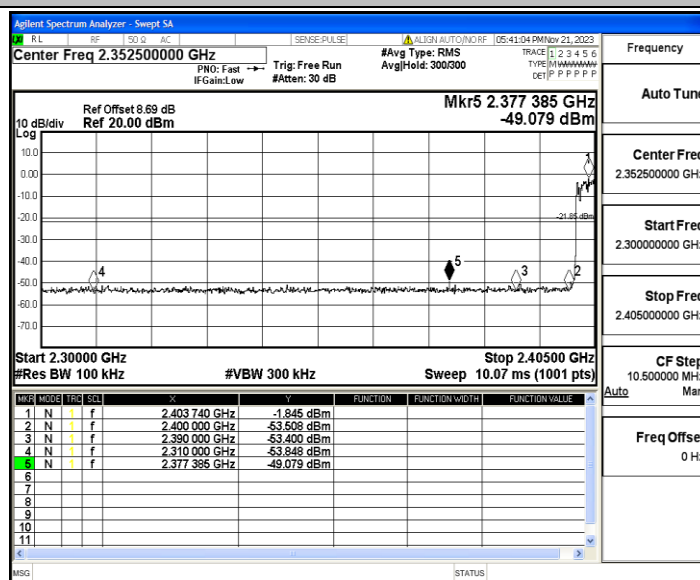
3DH5_Ant1_Low_2402



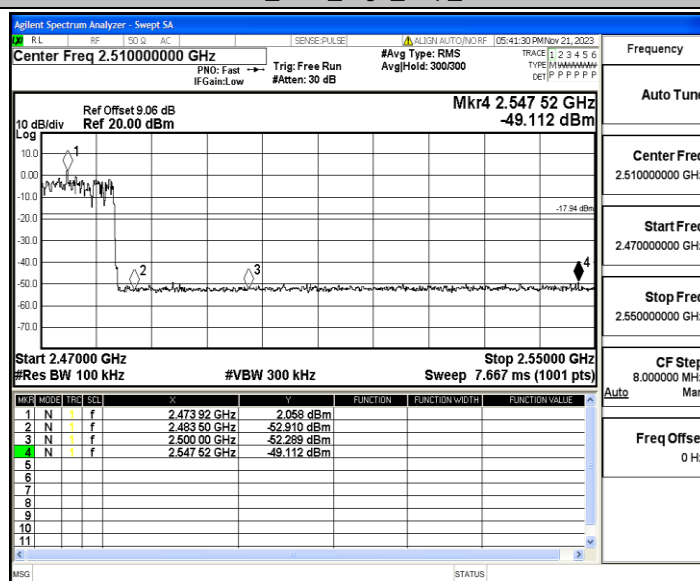
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



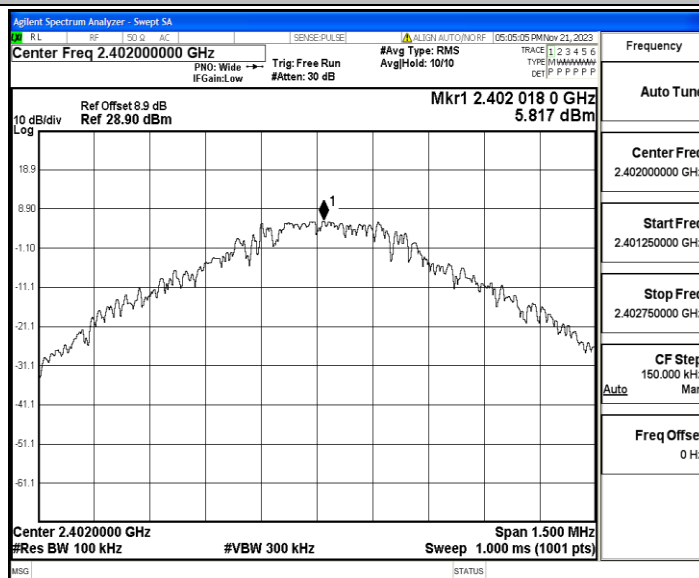
Appendix H: Conducted Spurious Emission

Test Result

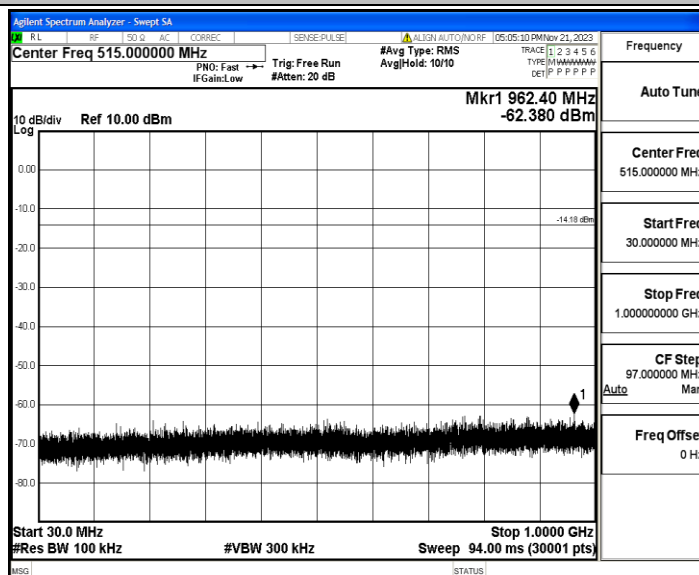
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	5.82	5.82	---	PASS
			30~1000	5.82	-62.38	≤-14.18	PASS
			1000~26500	5.82	-47.84	≤-14.18	PASS
		2441	Reference	5.72	5.72	---	PASS
			30~1000	5.72	-62.38	≤-14.28	PASS
			1000~26500	5.72	-50.1	≤-14.28	PASS
		2480	Reference	5.14	5.14	---	PASS
			30~1000	5.14	-61.94	≤-14.86	PASS
			1000~26500	5.14	-50.1	≤-14.86	PASS
2DH5	Ant1	2402	Reference	-0.03	-0.03	---	PASS
			30~1000	-0.03	-61.97	≤-20.03	PASS
			1000~26500	-0.03	-49.43	≤-20.03	PASS
		2441	Reference	0.70	0.70	---	PASS
			30~1000	0.70	-62.51	≤-19.3	PASS
			1000~26500	0.70	-50.89	≤-19.3	PASS
		2480	Reference	0.10	0.10	---	PASS
			30~1000	0.10	-62.56	≤-19.9	PASS
			1000~26500	0.10	-50.13	≤-19.9	PASS
3DH5	Ant1	2402	Reference	2.39	2.39	---	PASS
			30~1000	2.39	-62.61	≤-17.61	PASS
			1000~26500	2.39	-50.07	≤-17.61	PASS
		2441	Reference	3.38	3.38	---	PASS
			30~1000	3.38	-62.48	≤-16.62	PASS
			1000~26500	3.38	-50.05	≤-16.62	PASS
		2480	Reference	1.97	1.97	---	PASS
			30~1000	1.97	-62.78	≤-18.03	PASS
			1000~26500	1.97	-50.6	≤-18.03	PASS

Test Graphs

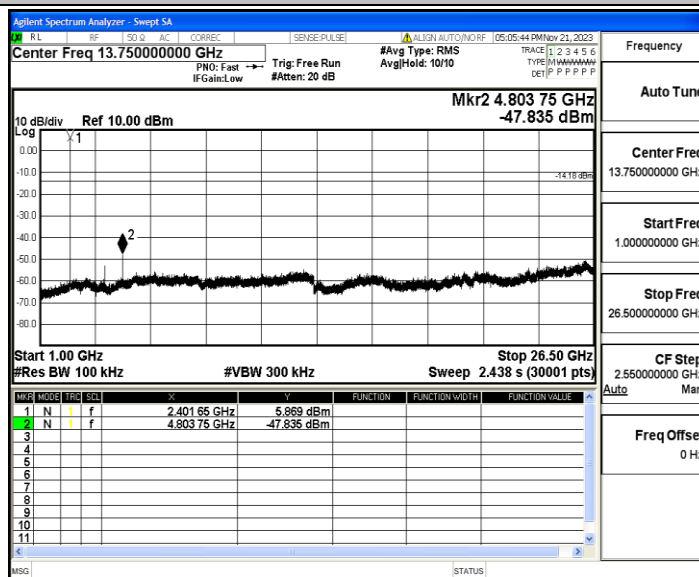
DH5_Ant1_2402_0~Reference



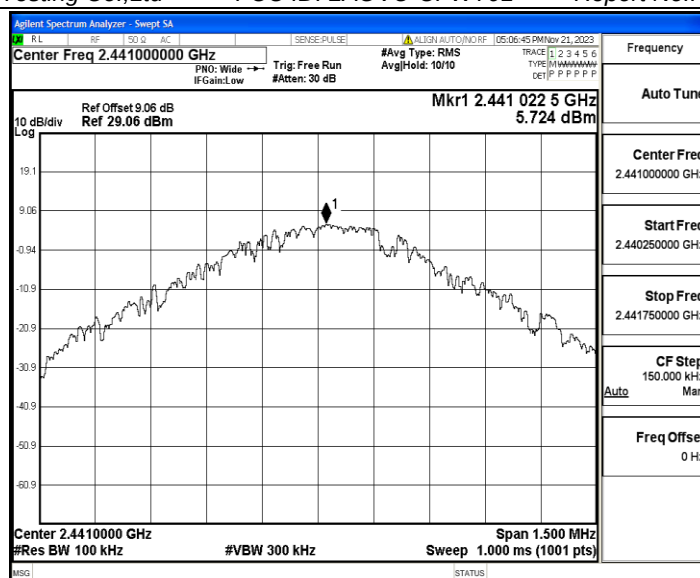
DH5_Ant1_2402_30~1000



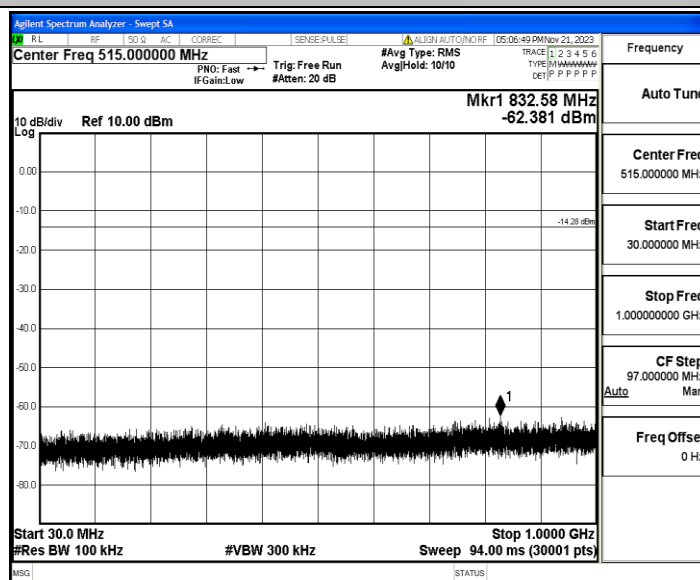
DH5_Ant1_2402_1000~26500



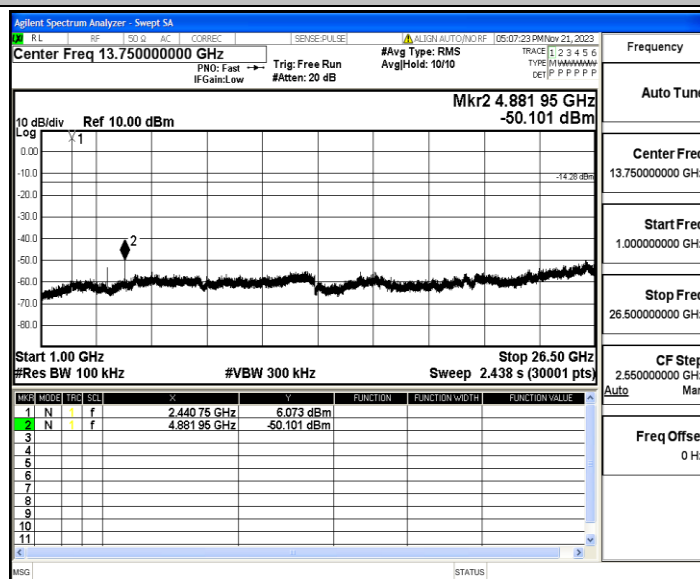
DH5_Ant1_2441_0~Reference



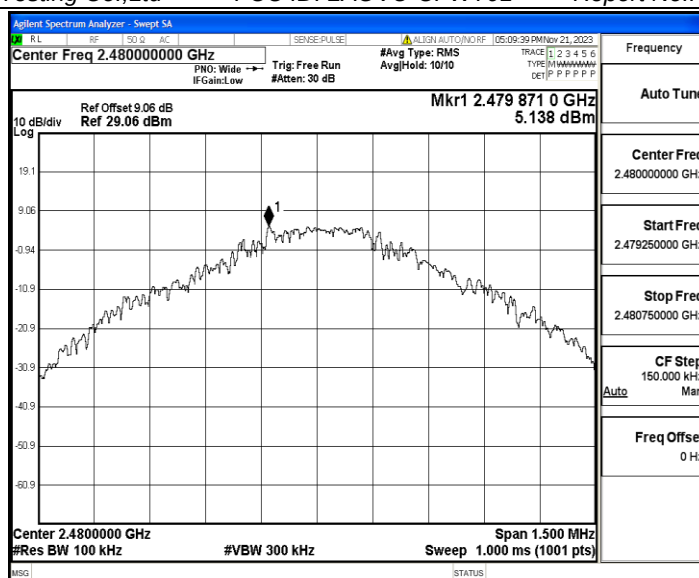
DH5_Ant1_2441_30~1000



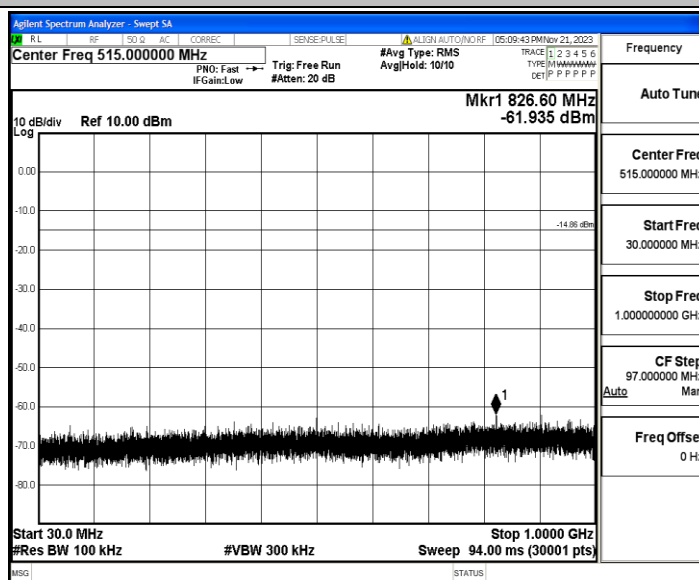
DH5_Ant1_2441_1000~26500



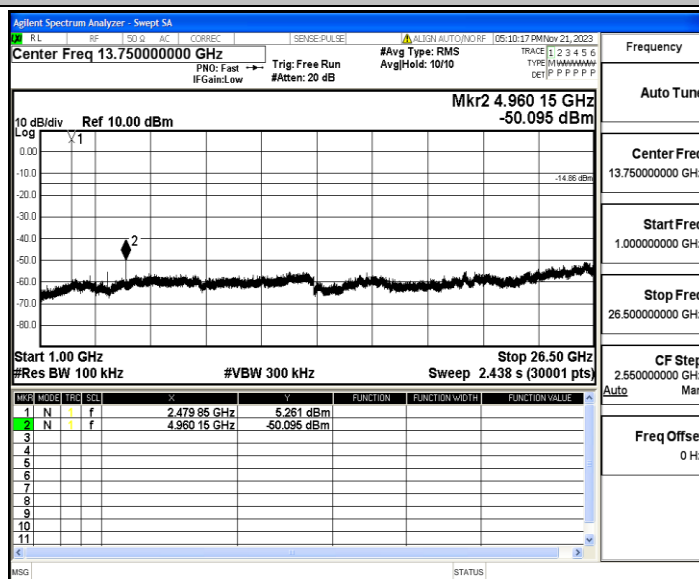
DH5_Ant1_2480_0~Reference



DH5_Ant1_2480_30~1000



DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference