

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

Product Name: SET TOP BOX

Trade Mark: STAVIX

Test Model: MK-OM02-AM

FCC ID: 2A4GF-AO908AB

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

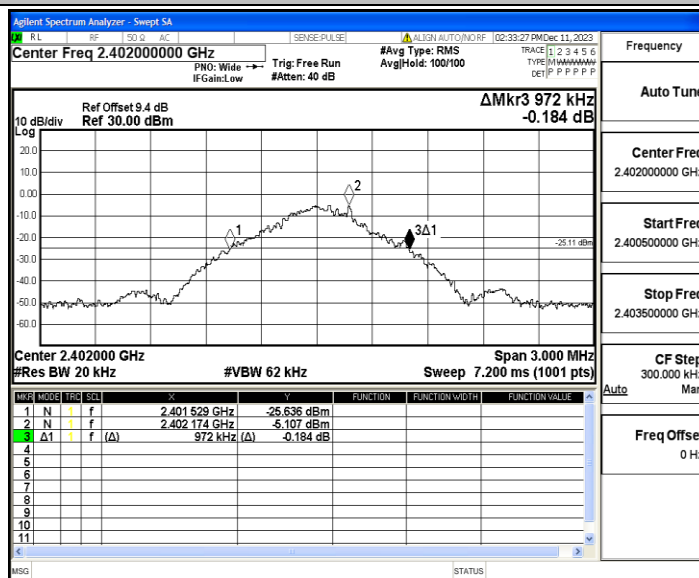
Appendix A: 20dB Emission Bandwidth

Test Result

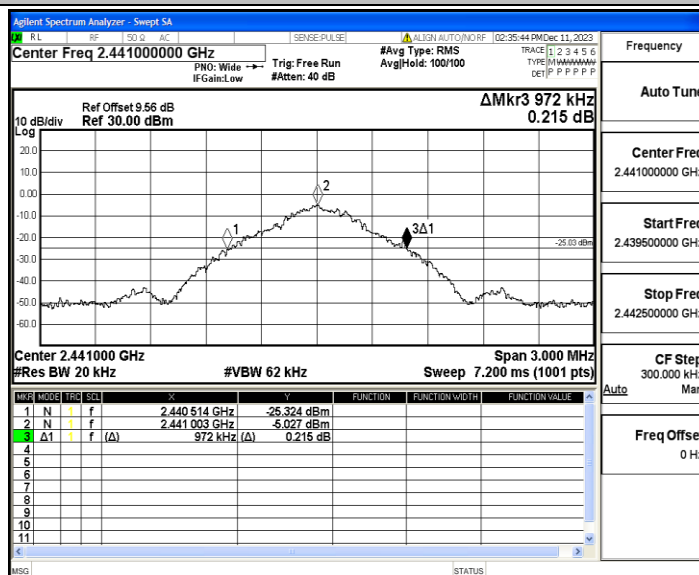
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.972	2401.529	2402.501	---	---
		2441	0.972	2440.514	2441.486	---	---
		2480	0.966	2479.520	2480.486	---	---
2DH5	Ant1	2402	1.320	2401.349	2402.669	---	---
		2441	1.290	2440.355	2441.645	---	---
		2480	1.287	2479.361	2480.648	---	---
3DH5	Ant1	2402	1.266	2401.376	2402.642	---	---
		2441	1.278	2440.355	2441.633	---	---
		2480	1.269	2479.376	2480.645	---	---

Test Graphs

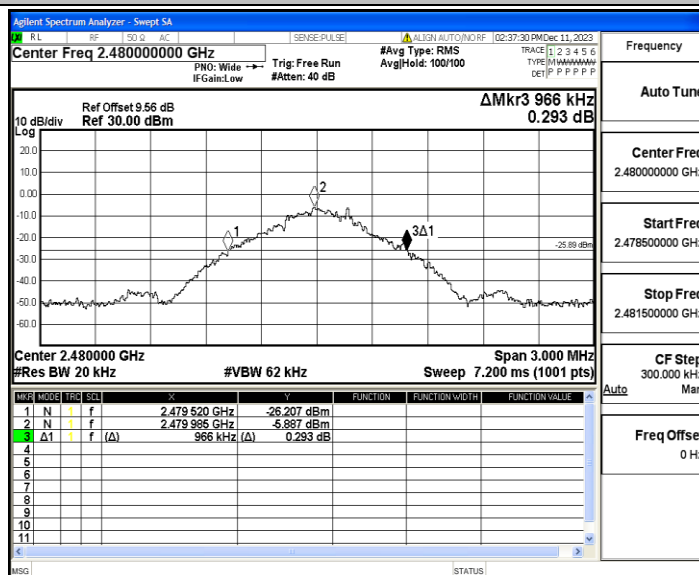
DH5_Ant1_2402



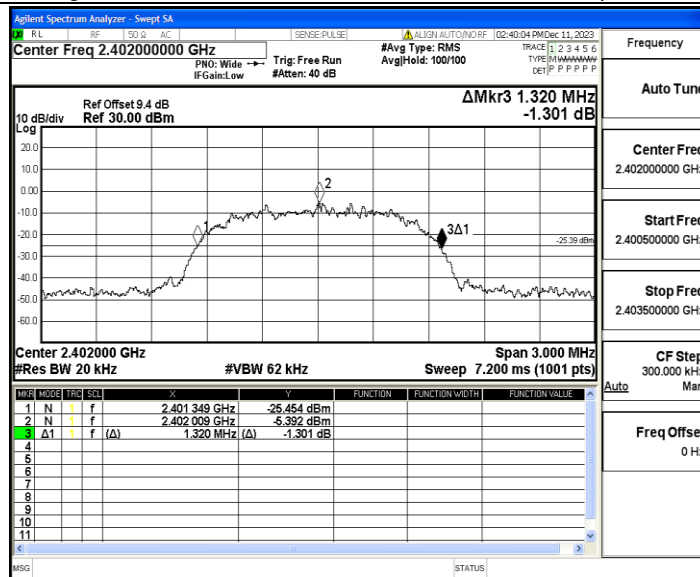
DH5_Ant1_2441



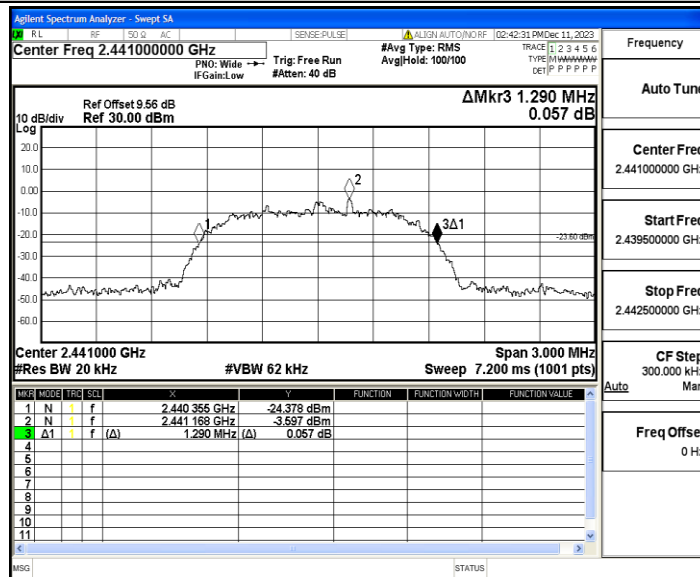
DH5_Ant1_2480



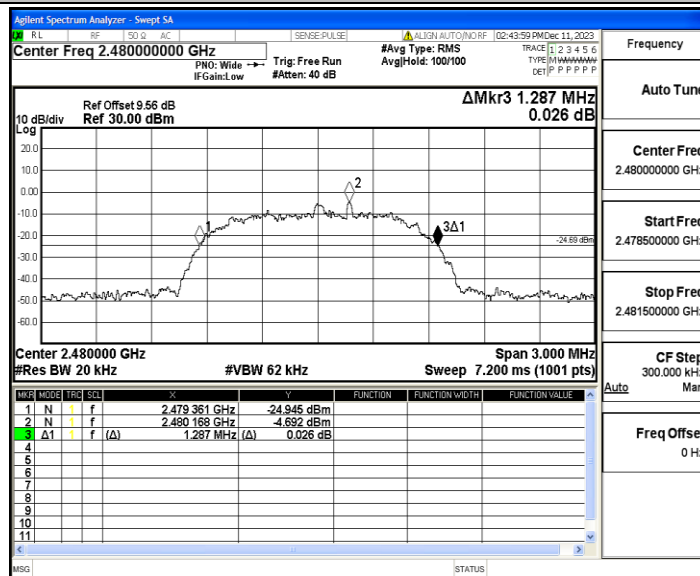
2DH5_Ant1_2402



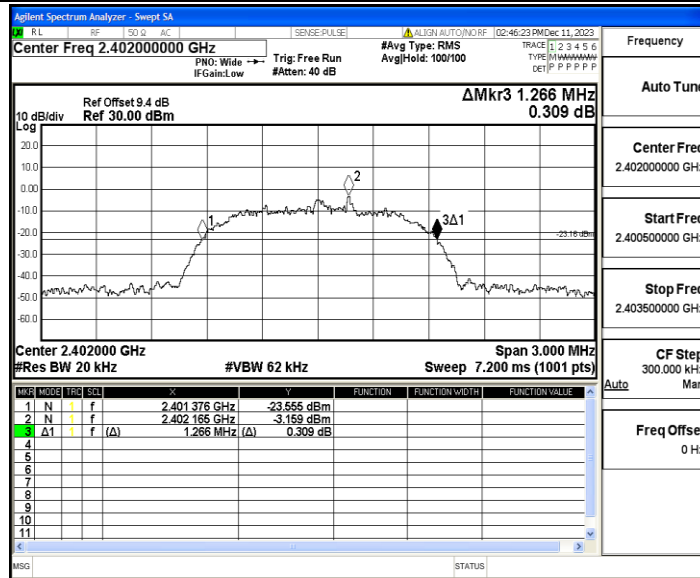
2DH5_Ant1_2441



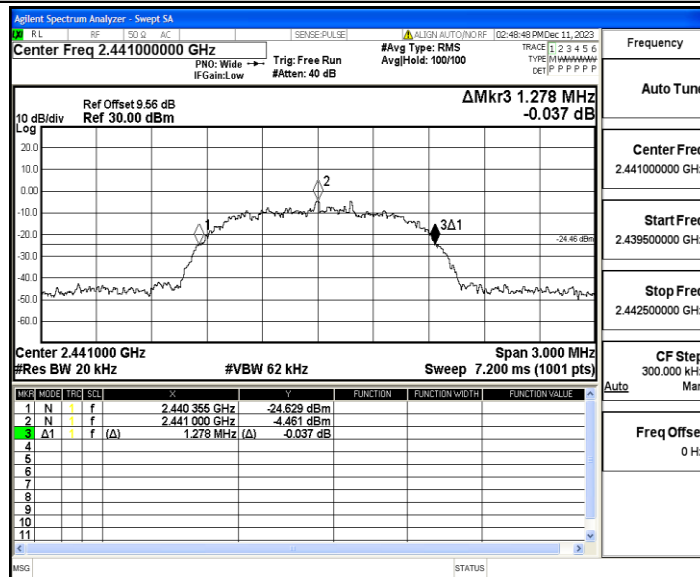
2DH5_Ant1_2480



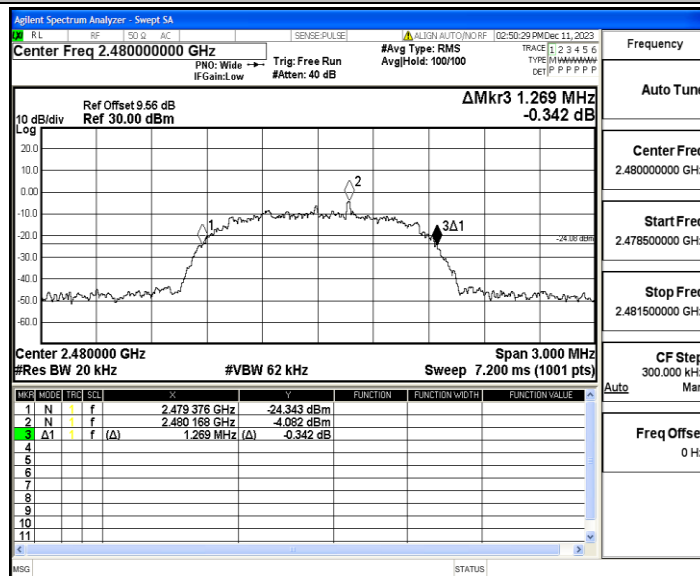
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



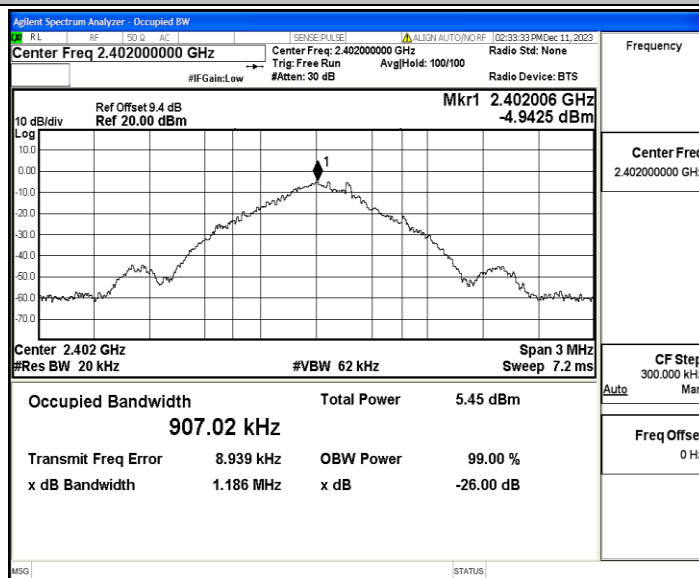
Appendix B: Occupied Channel Bandwidth

Test Result

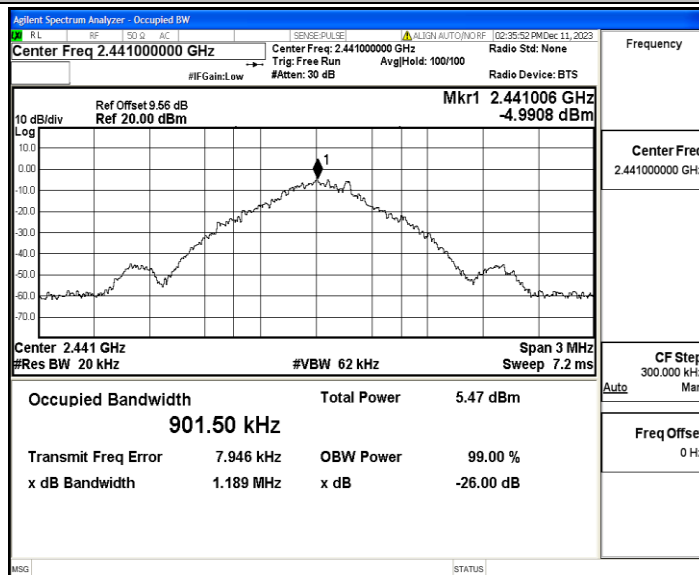
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.90702	2401.5554	2402.4625	---	---
		2441	0.90150	2440.5572	2441.4587	---	---
		2480	0.89772	2479.5631	2480.4608	---	---
2DH5	Ant1	2402	1.1825	2401.4108	2402.5933	---	---
		2441	1.1865	2440.4058	2441.5923	---	---
		2480	1.1765	2479.4126	2480.5891	---	---
3DH5	Ant1	2402	1.1815	2401.4179	2402.5994	---	---
		2441	1.1844	2440.4135	2441.5979	---	---
		2480	1.1788	2479.4153	2480.5941	---	---

Test Graphs

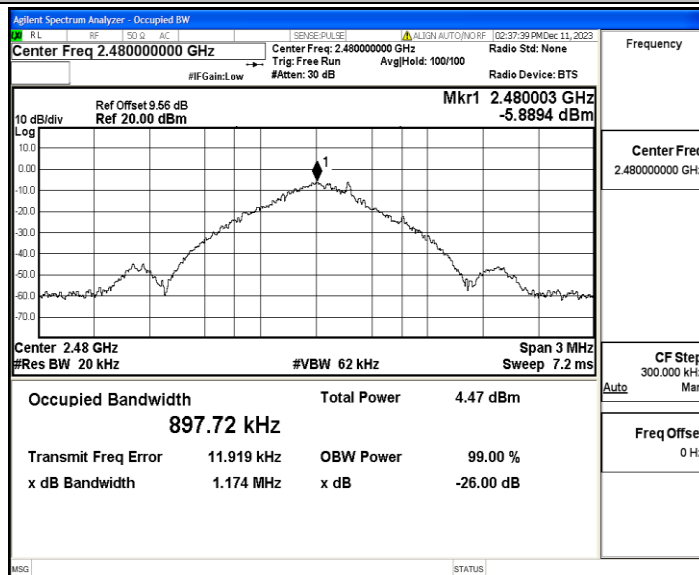
DH5_Ant1_2402



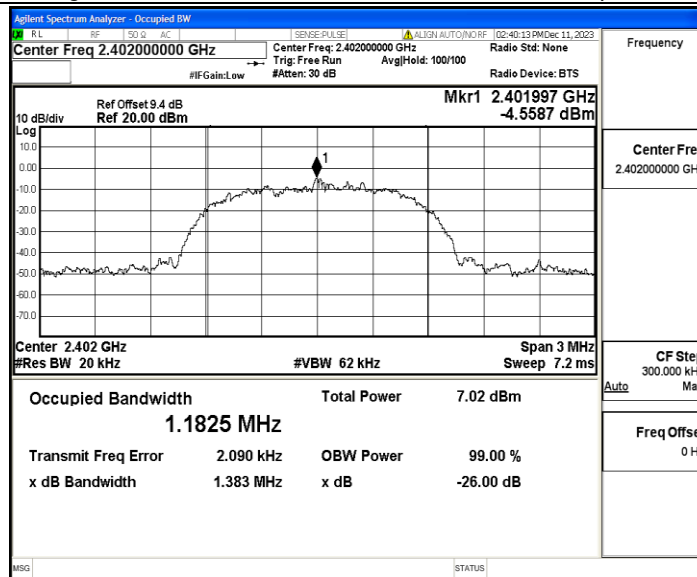
DH5_Ant1_2441



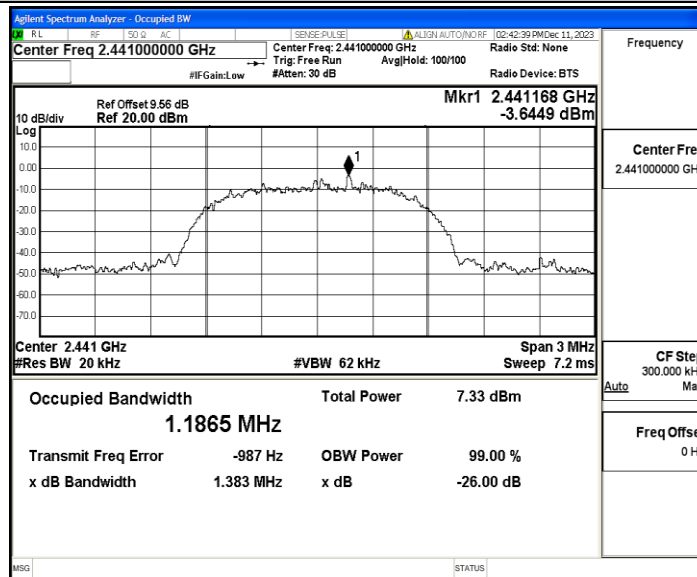
DH5_Ant1_2480



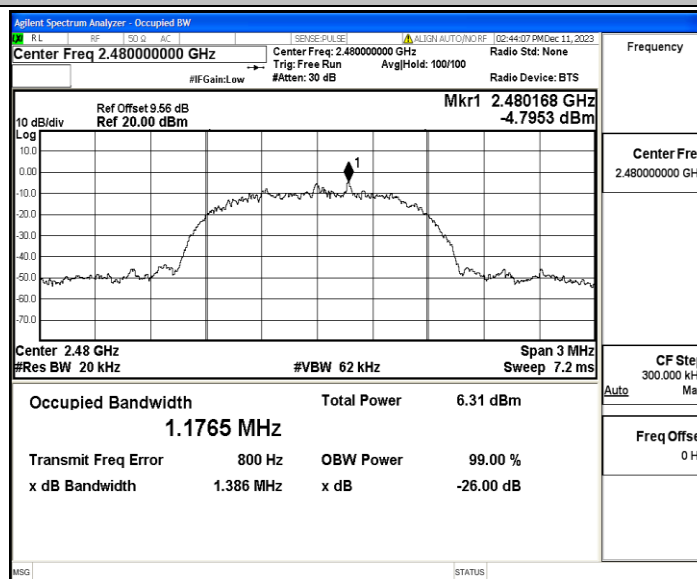
2DH5_Ant1_2402



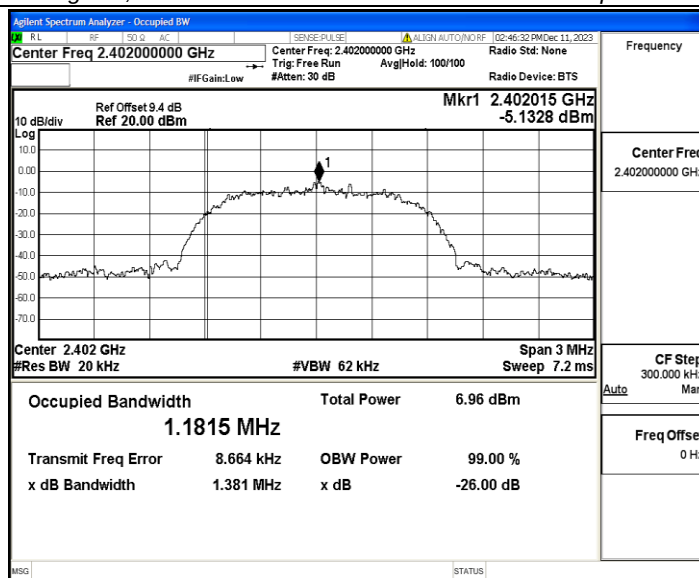
2DH5_Ant1_2441



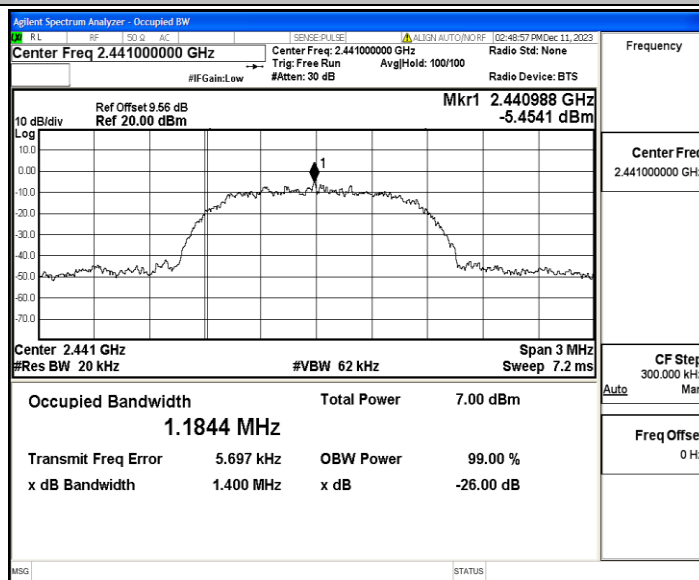
2DH5_Ant1_2480



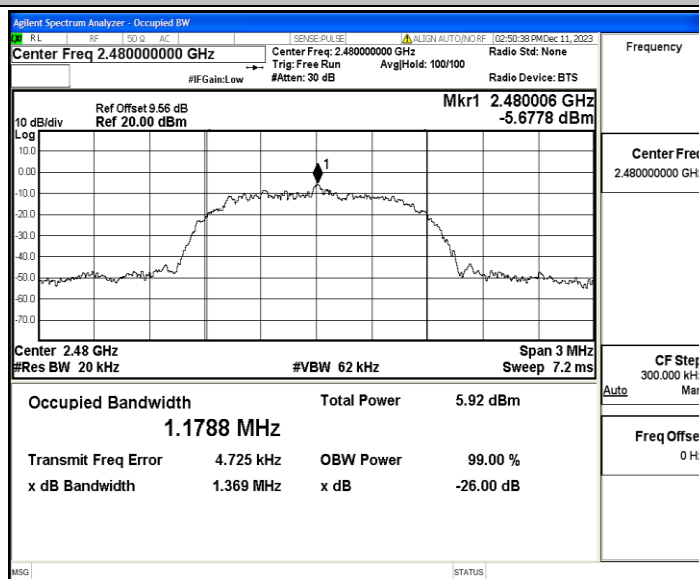
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



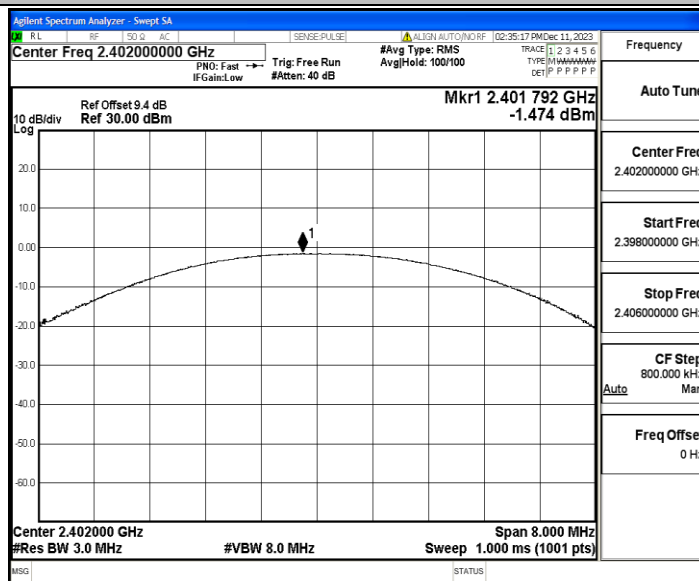
Appendix C: Maximum Peak conducted output power

Test Result

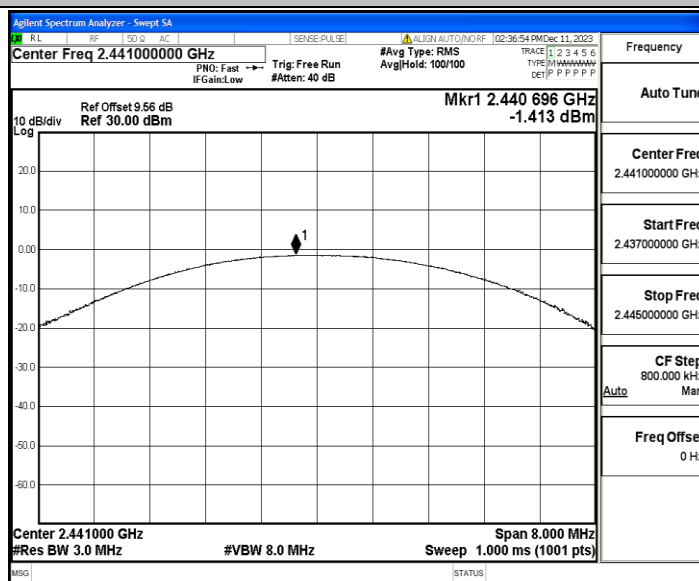
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-1.47	≤20.97	PASS
		2441	-1.41	≤20.97	PASS
		2480	-2.42	≤20.97	PASS
2DH5	Ant1	2402	1.84	≤20.97	PASS
		2441	1.96	≤20.97	PASS
		2480	0.9	≤20.97	PASS
3DH5	Ant1	2402	2.29	≤20.97	PASS
		2441	2.48	≤20.97	PASS
		2480	1.23	≤20.97	PASS

Test Graphs

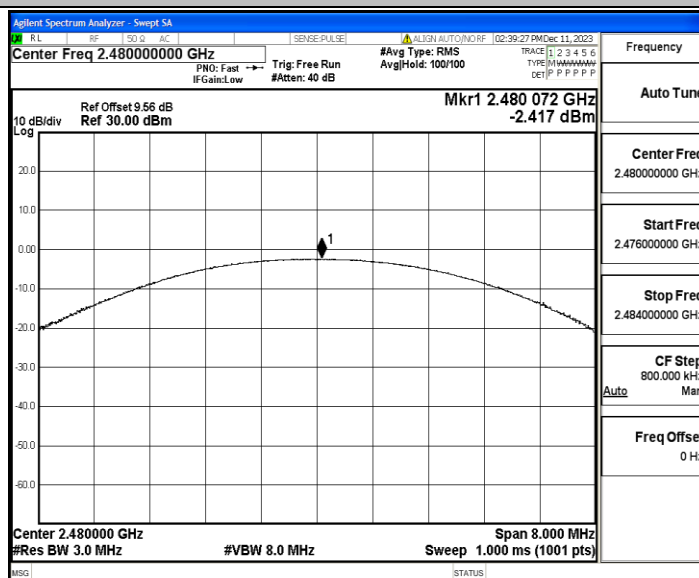
DH5_Ant1_2402



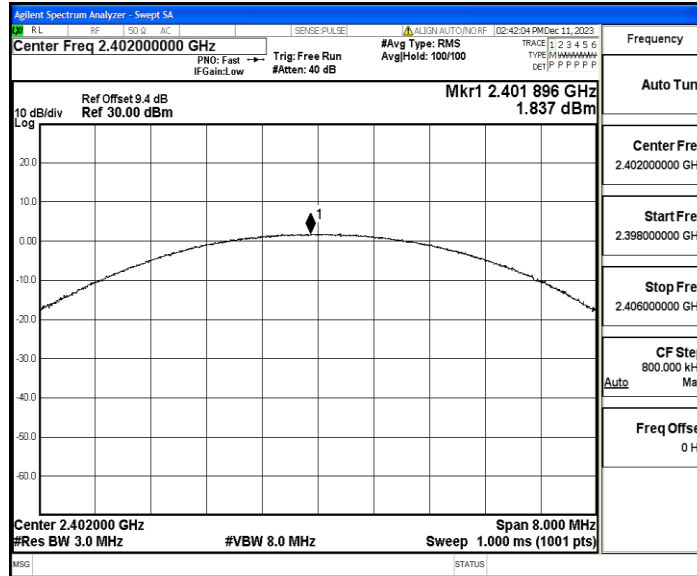
DH5_Ant1_2441



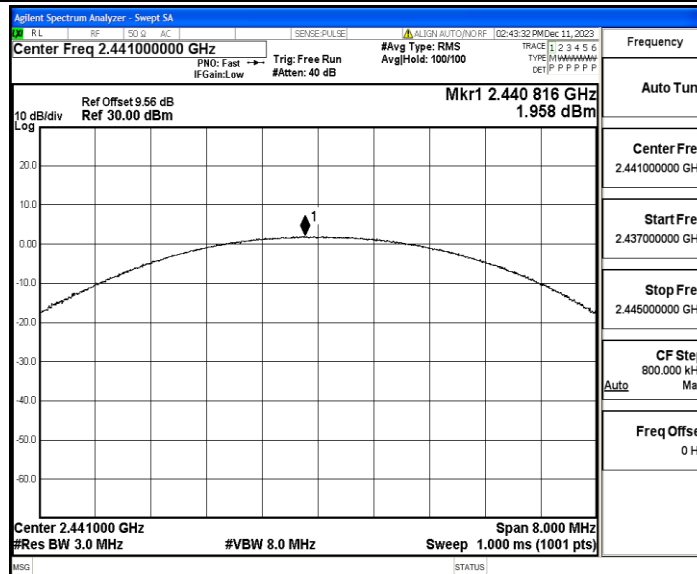
DH5_Ant1_2480



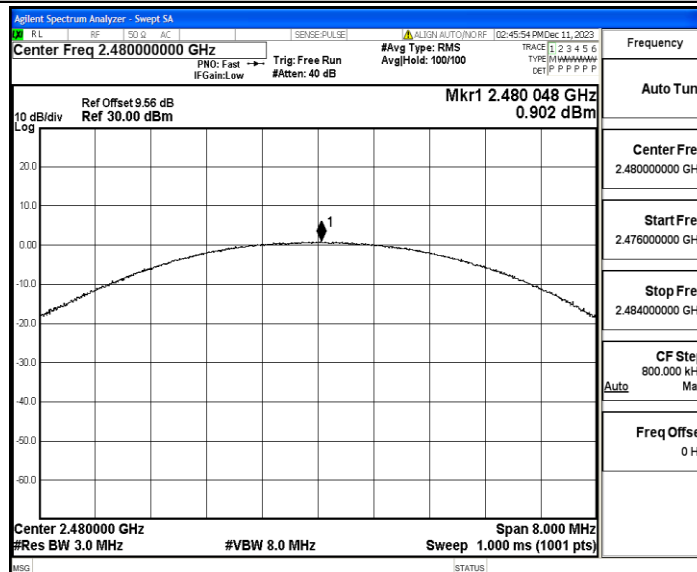
2DH5_Ant1_2402



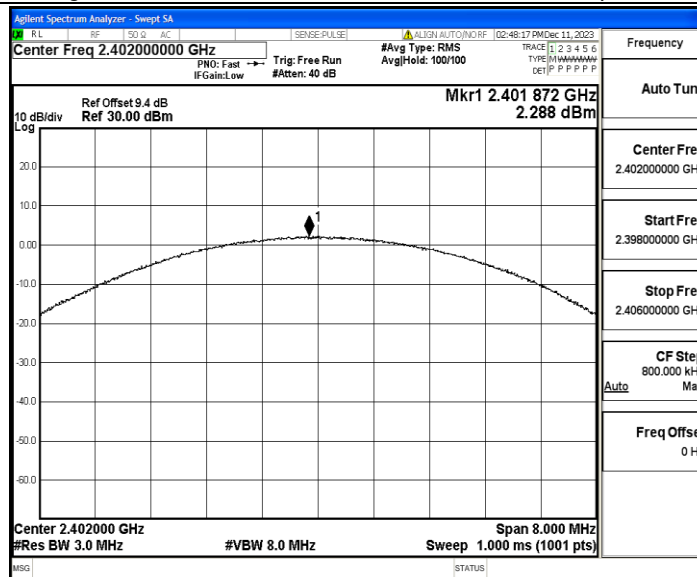
2DH5_Ant1_2441



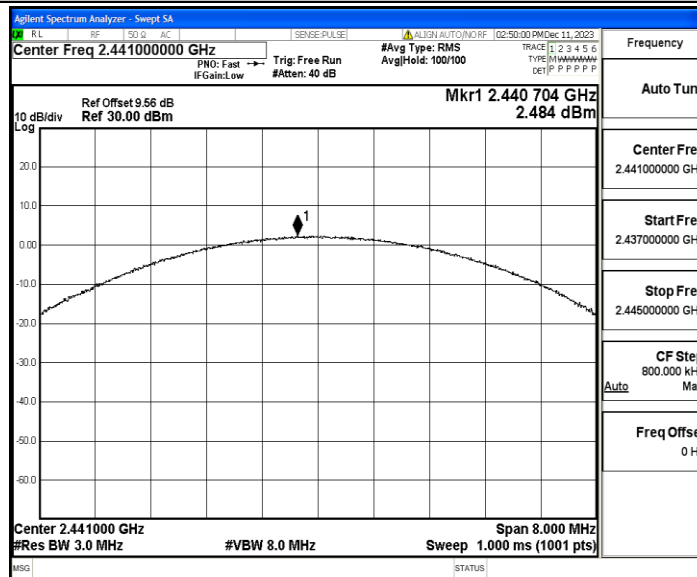
2DH5_Ant1_2480



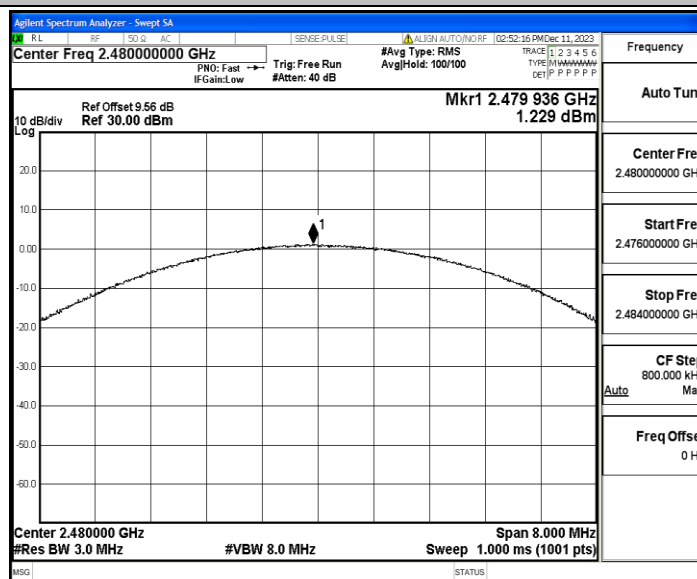
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

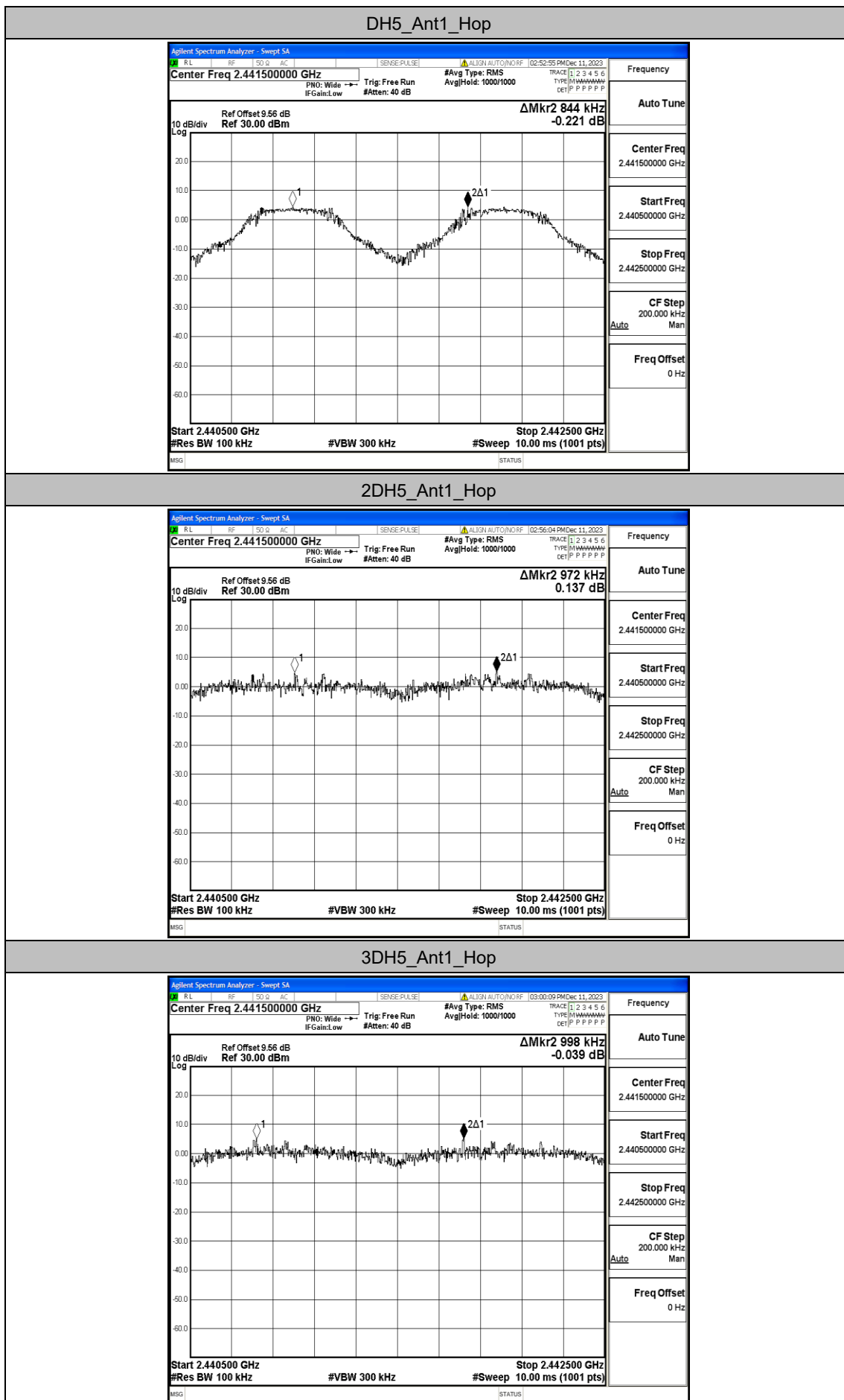


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.844	≥ 0.648	PASS
2DH5	Ant1	Hop	0.972	≥ 0.880	PASS
3DH5	Ant1	Hop	0.998	≥ 0.852	PASS

Test Graphs

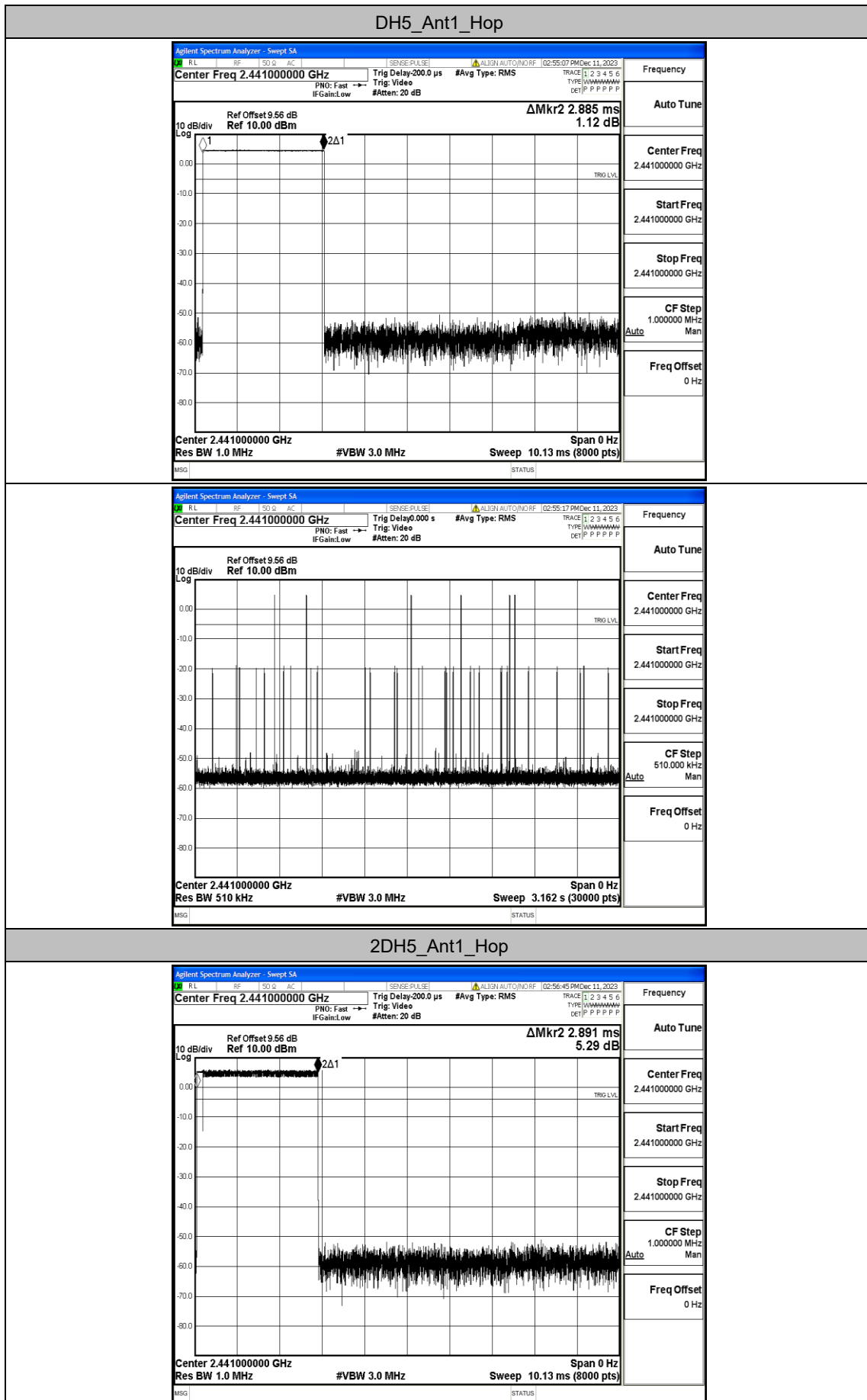


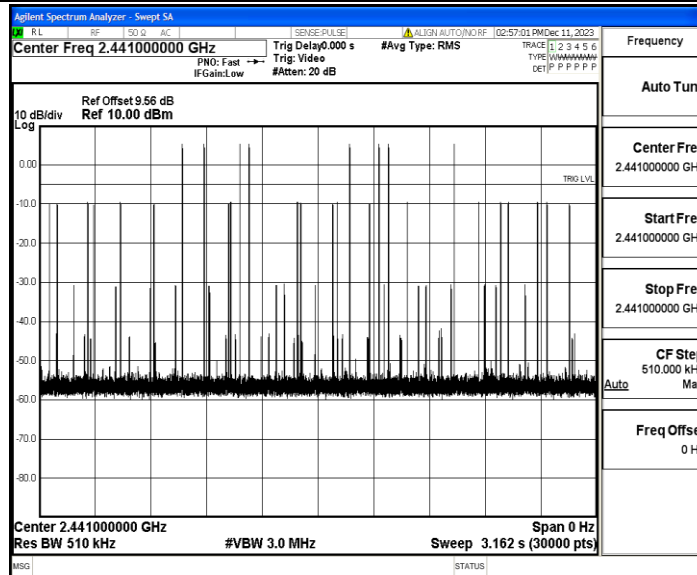
Appendix E: Time of occupancy

Test Result

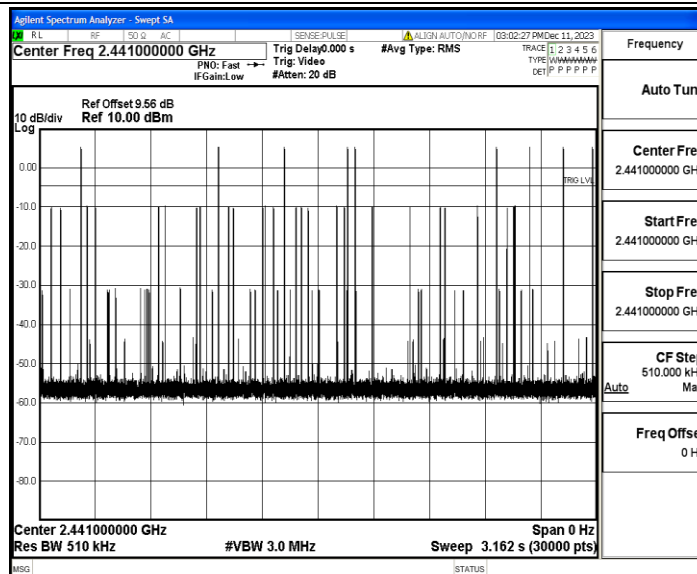
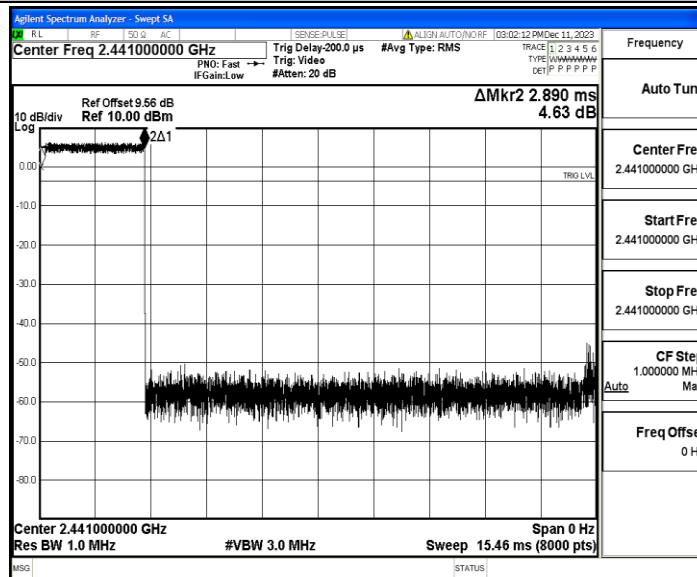
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	70	0.202	≤0.4	PASS
2DH5	Ant1	Hop	2.891	90	0.26	≤0.4	PASS
3DH5	Ant1	Hop	2.890	100	0.289	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

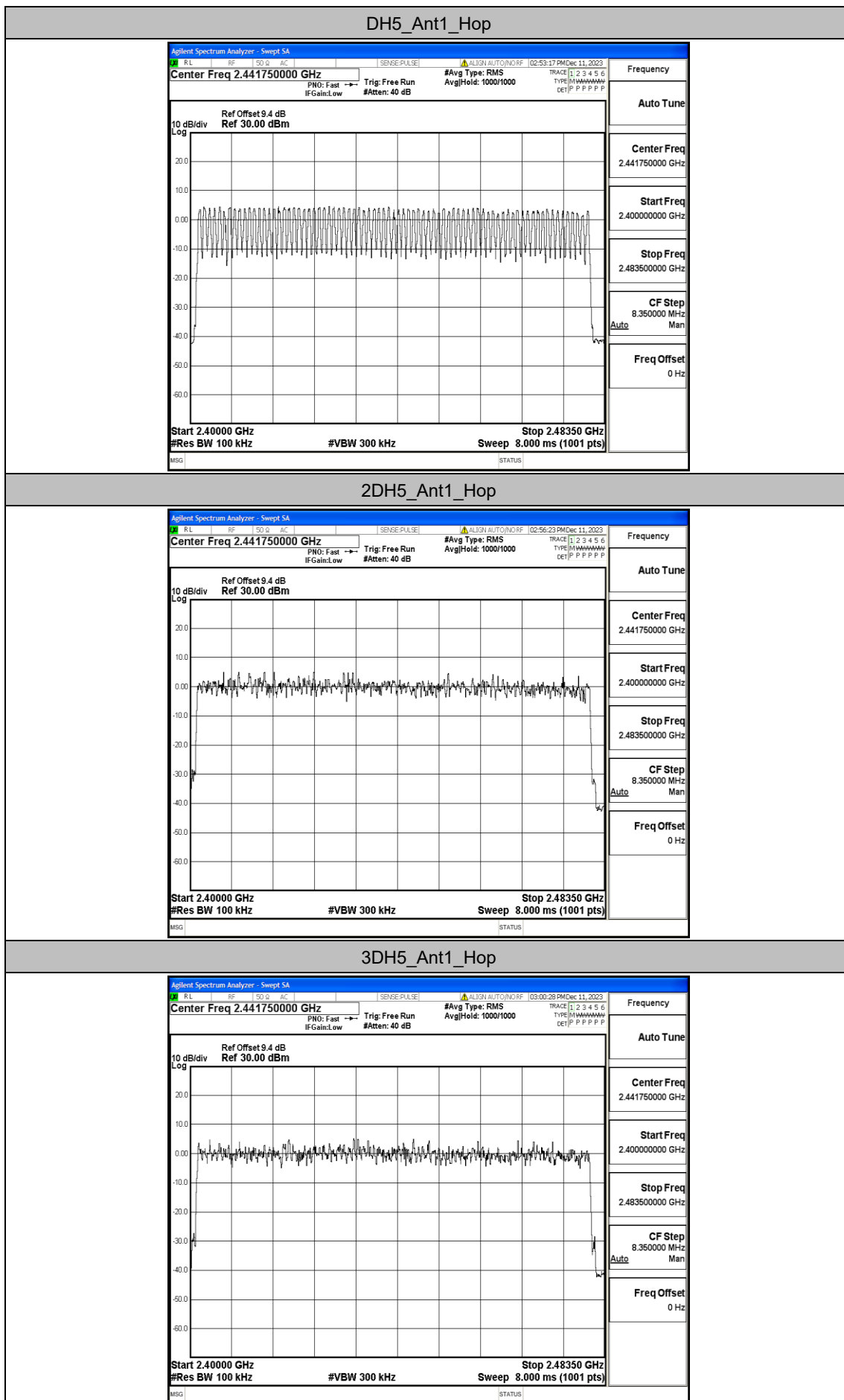


Appendix F: Number of hopping channels

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



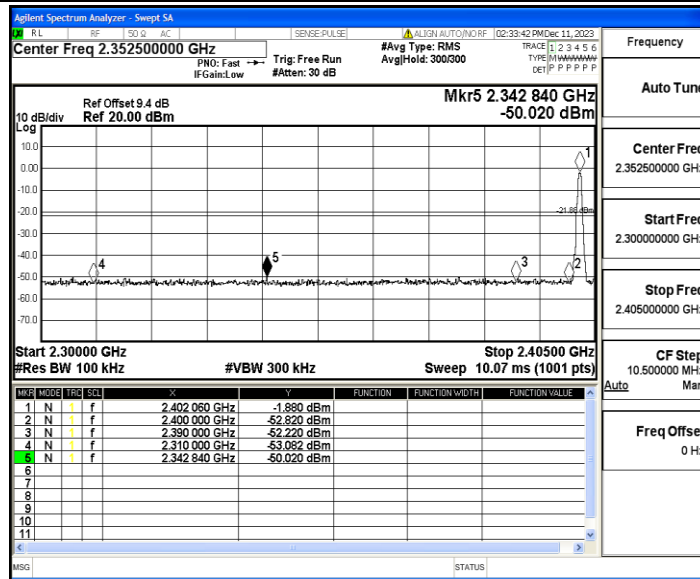
Appendix G: Band edge measurements

Test Result

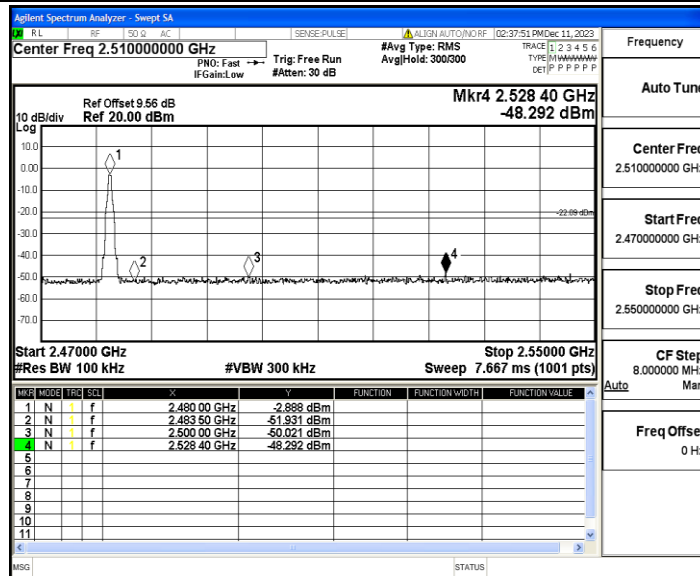
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.88	-50.02	≤ -21.88	PASS
		High	2480	-2.89	-48.29	≤ -22.89	PASS
		Low	Hop_2402	4.26	-50.15	≤ -15.74	PASS
		High	Hop_2480	3.54	-49.09	≤ -16.46	PASS
2DH5	Ant1	Low	2402	0.32	-49.93	≤ -19.68	PASS
		High	2480	-0.50	-48.64	≤ -20.5	PASS
		Low	Hop_2402	1.52	-49.79	≤ -18.49	PASS
		High	Hop_2480	3.33	-48.93	≤ -16.67	PASS
3DH5	Ant1	Low	2402	-0.23	-49.57	≤ -20.23	PASS
		High	2480	-0.82	-48.82	≤ -20.82	PASS
		Low	Hop_2402	2.63	-50.48	≤ -17.37	PASS
		High	Hop_2480	4.27	-49.28	≤ -15.73	PASS

Test Graphs

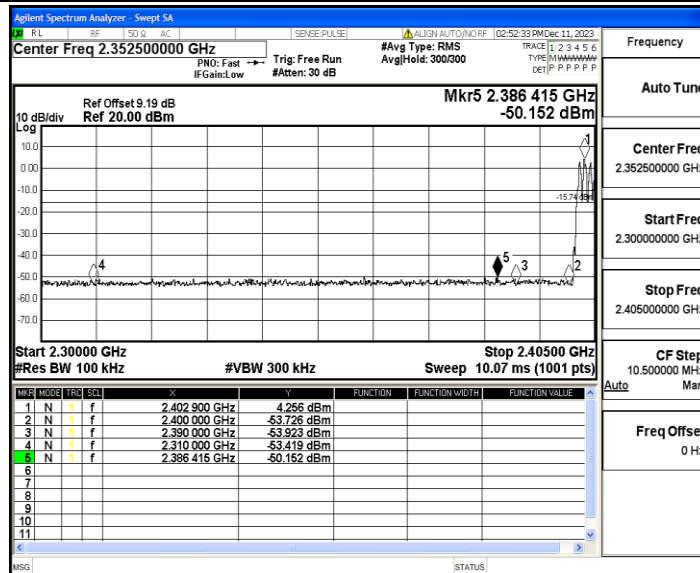
DH5_Ant1_Low_2402



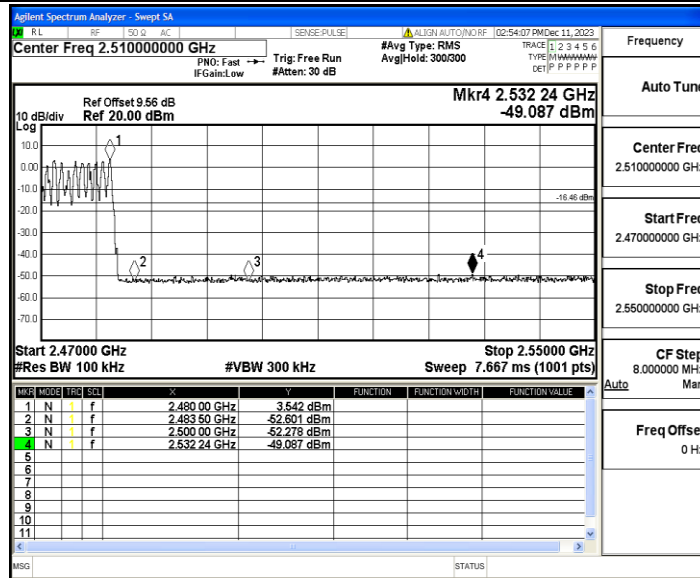
DH5_Ant1_High_2480



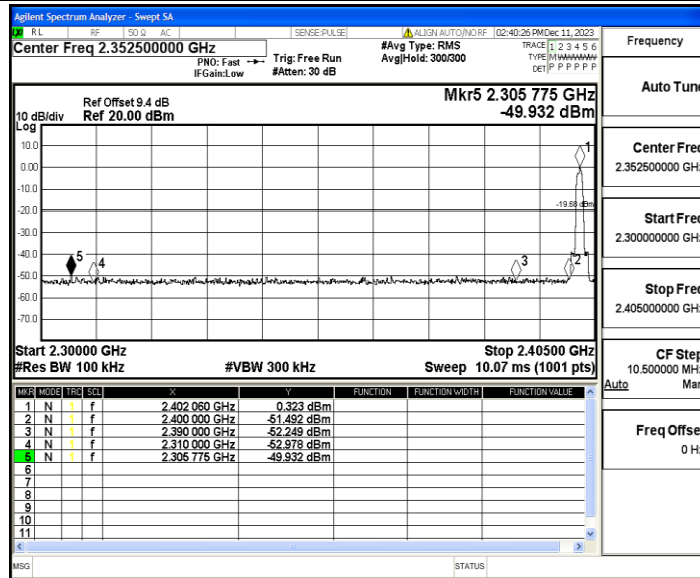
DH5_Ant1_Low_Hop_2402



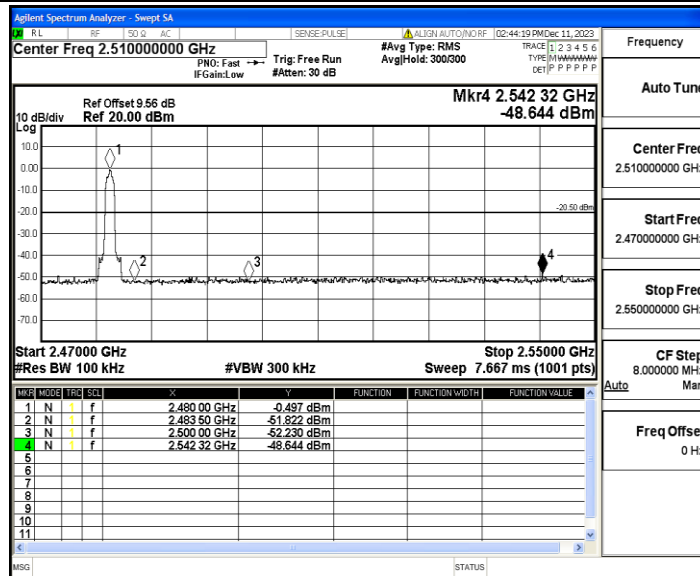
DH5_Ant1_High_Hop_2480



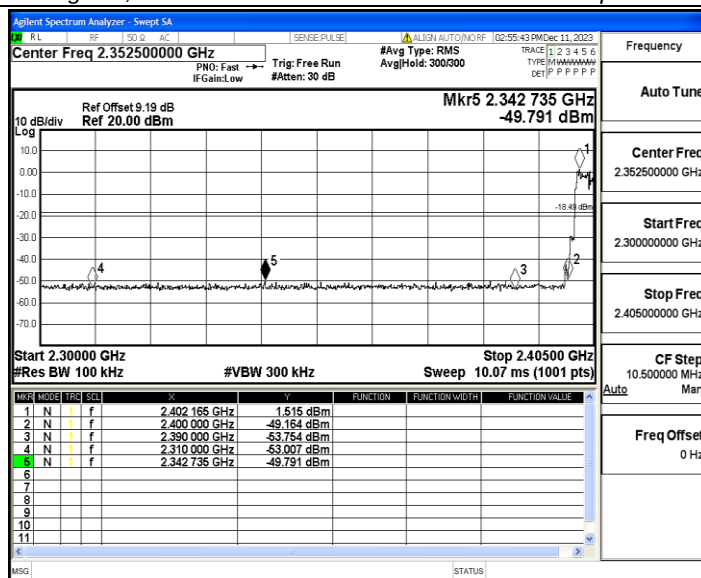
2DH5_Ant1_Low_2402



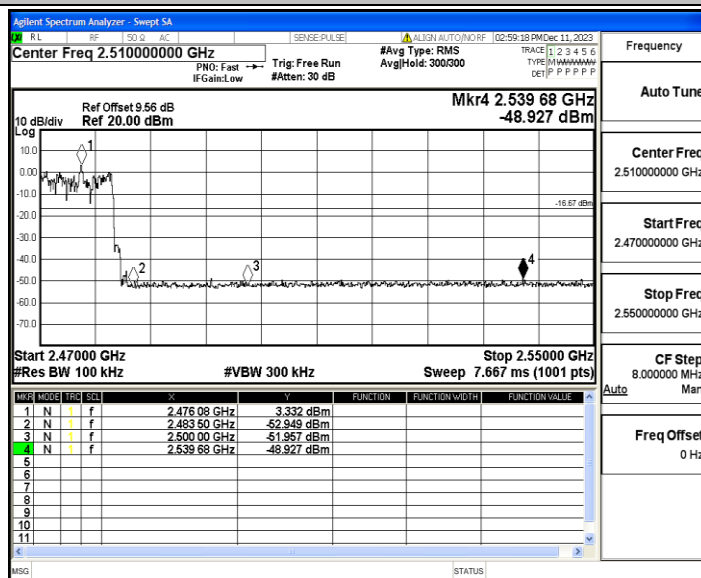
2DH5_Ant1_High_2480



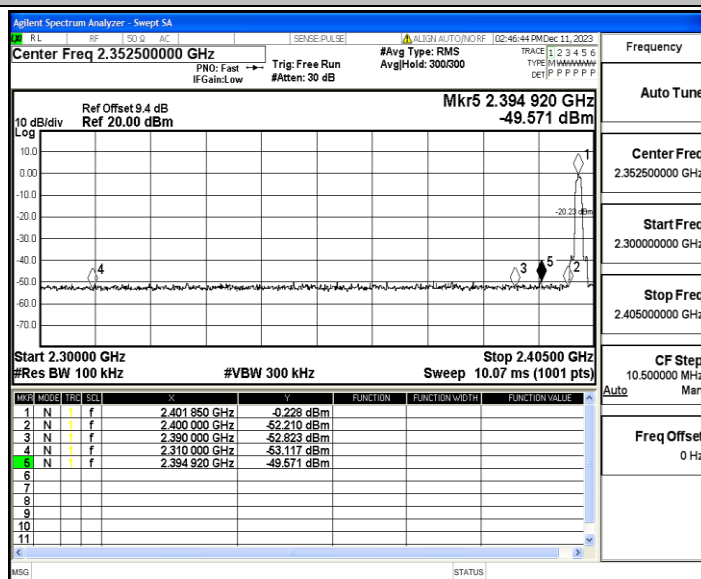
2DH5_Ant1_Low_Hop_2402



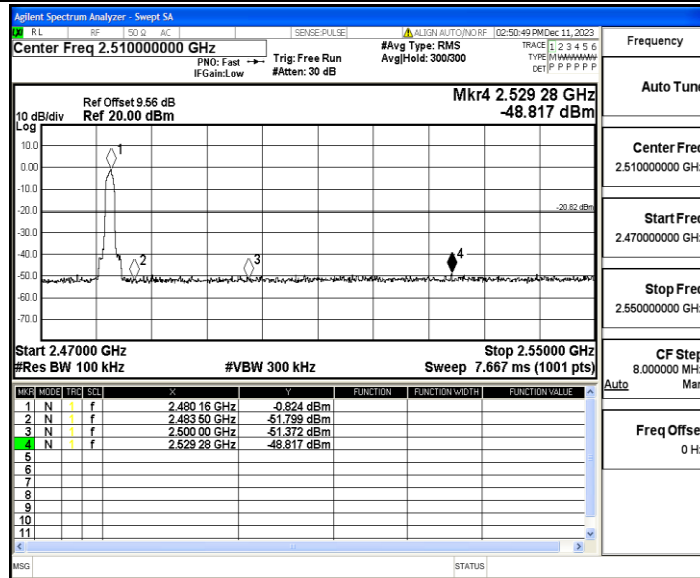
2DH5_Ant1_High_Hop_2480



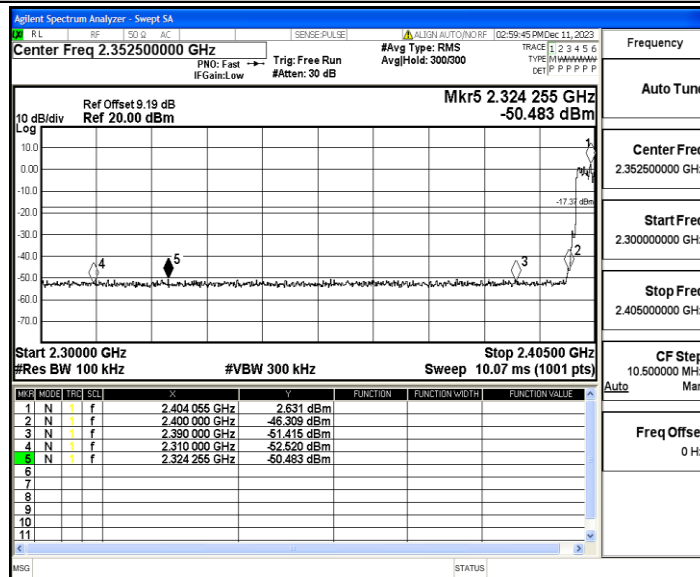
3DH5_Ant1_Low_2402



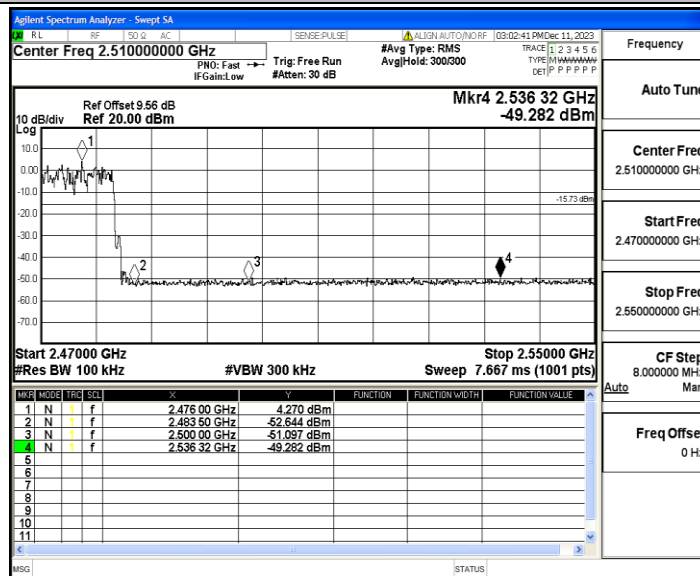
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



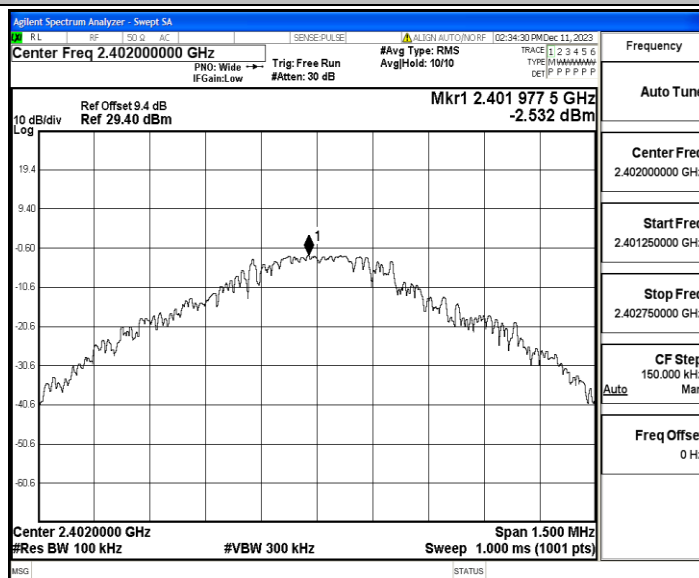
Appendix H: Conducted Spurious Emission

Test Result

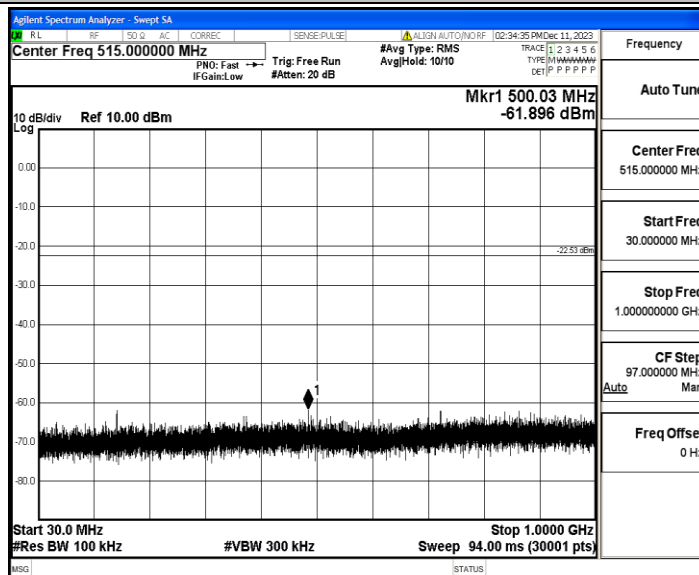
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-2.53	-2.53	---	PASS
			30~1000	-2.53	-61.9	≤-22.53	PASS
			1000~26500	-2.53	-50.14	≤-22.53	PASS
		2441	Reference	-1.87	-1.87	---	PASS
			30~1000	-1.87	-61.87	≤-21.87	PASS
			1000~26500	-1.87	-49.84	≤-21.87	PASS
		2480	Reference	-3.81	-3.81	---	PASS
			30~1000	-3.81	-61.98	≤-23.81	PASS
			1000~26500	-3.81	-49.8	≤-23.81	PASS
2DH5	Ant1	2402	Reference	-1.21	-1.21	---	PASS
			30~1000	-1.21	-61.99	≤-21.21	PASS
			1000~26500	-1.21	-49.17	≤-21.21	PASS
		2441	Reference	-2.94	-2.94	---	PASS
			30~1000	-2.94	-61.94	≤-22.94	PASS
			1000~26500	-2.94	-50	≤-22.94	PASS
		2480	Reference	-3.32	-3.32	---	PASS
			30~1000	-3.32	-62.23	≤-23.32	PASS
			1000~26500	-3.32	-49.94	≤-23.32	PASS
3DH5	Ant1	2402	Reference	-0.85	-0.85	---	PASS
			30~1000	-0.85	-61	≤-20.85	PASS
			1000~26500	-0.85	-49.63	≤-20.85	PASS
		2441	Reference	-2.54	-2.54	---	PASS
			30~1000	-2.54	-60.61	≤-22.54	PASS
			1000~26500	-2.54	-49.17	≤-22.54	PASS
		2480	Reference	-2.15	-2.15	---	PASS
			30~1000	-2.15	-61.53	≤-22.15	PASS
			1000~26500	-2.15	-49.73	≤-22.15	PASS

Test Graphs

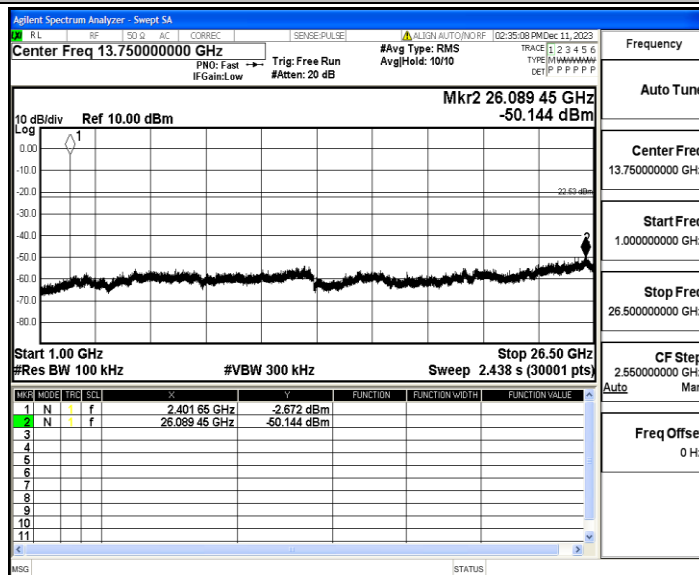
DH5_Ant1_2402_0~Reference



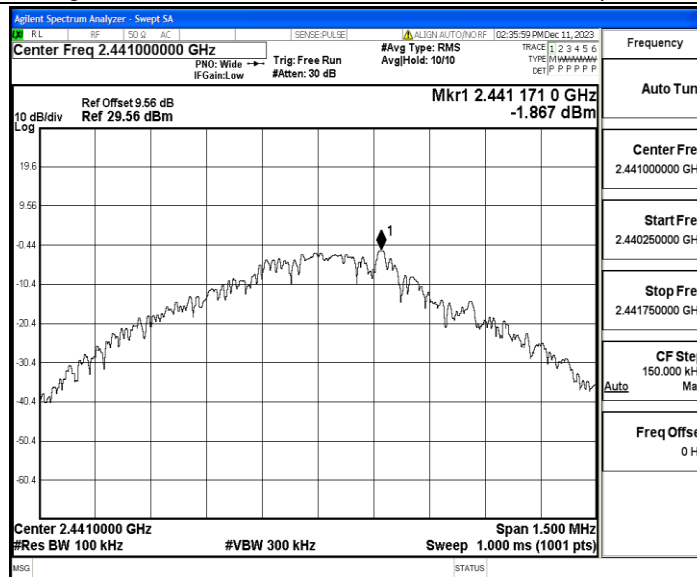
DH5_Ant1_2402_30~1000



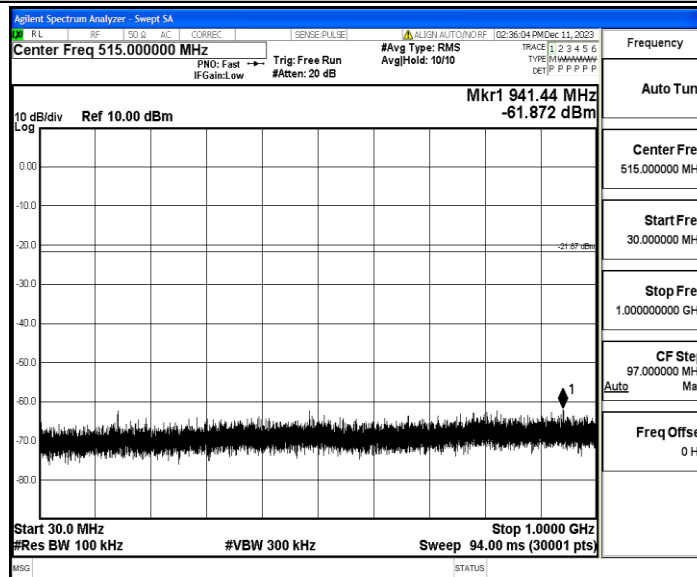
DH5_Ant1_2402_1000~26500



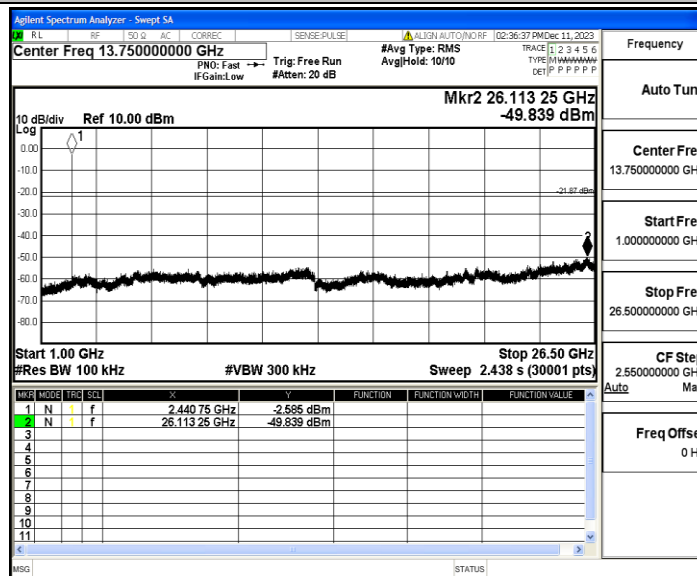
DH5_Ant1_2441_0~Reference



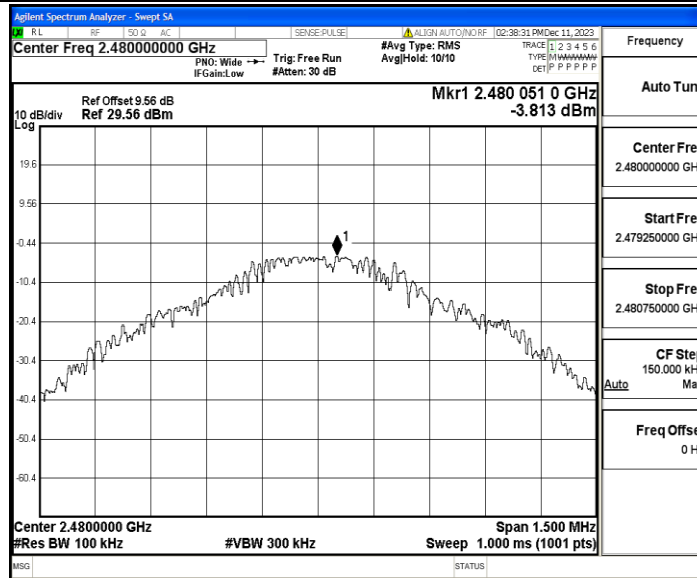
DH5_Ant1_2441_30~1000



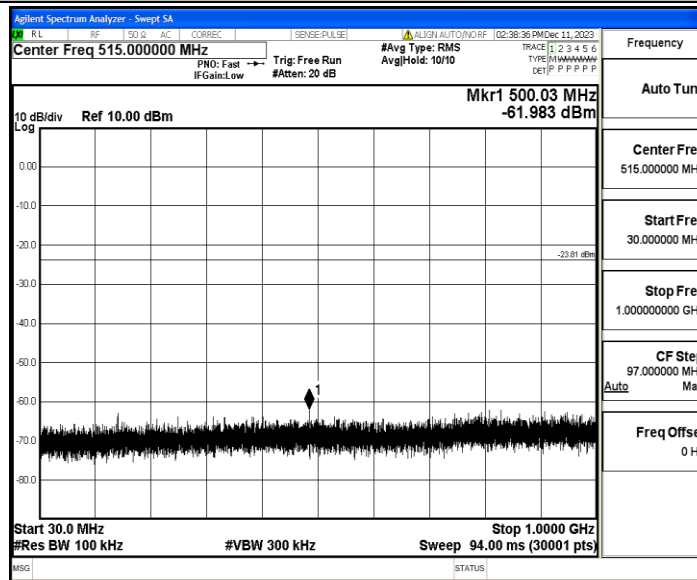
DH5_Ant1_2441_1000~26500



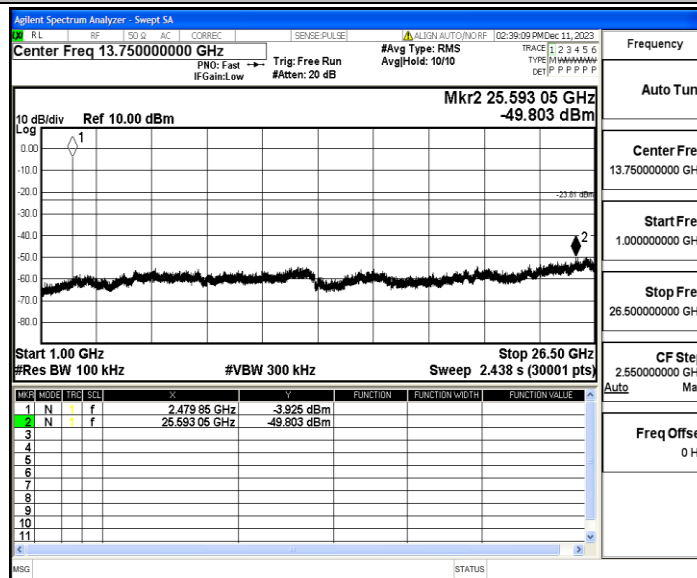
DH5_Ant1_2480_0~Reference



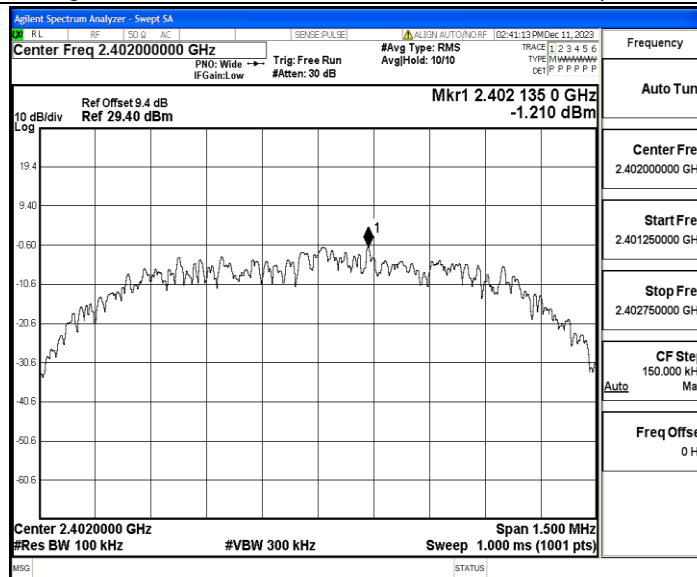
DH5_Ant1_2480_30~1000



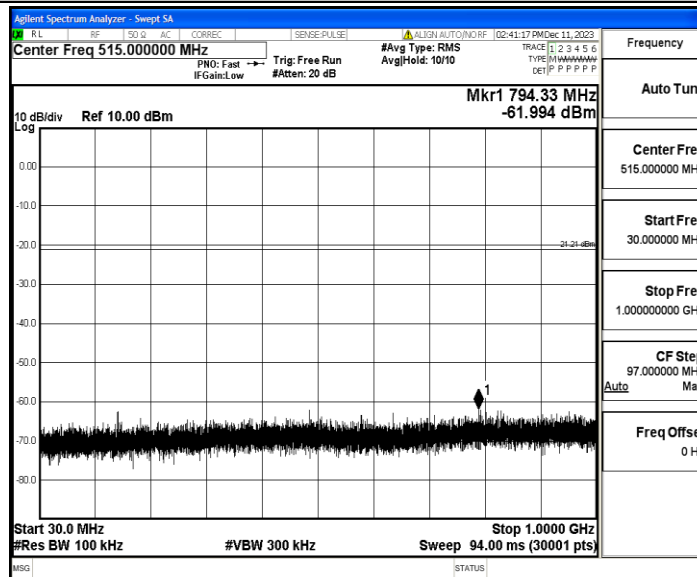
DH5_Ant1_2480_1000~26500



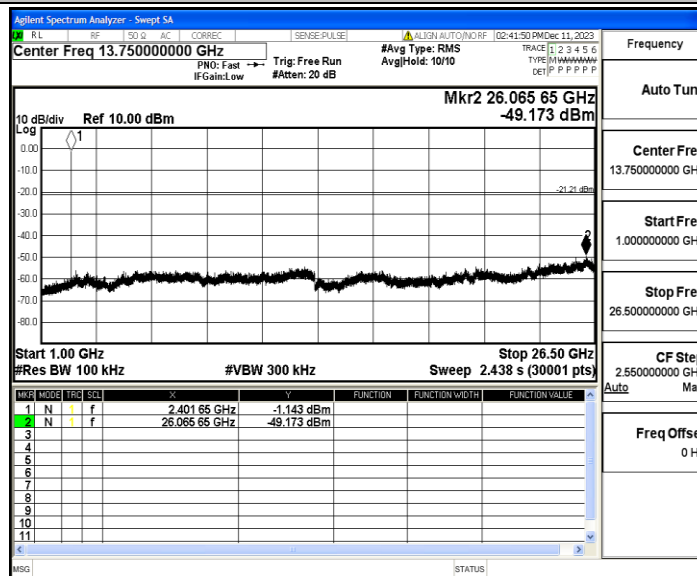
2DH5_Ant1_2402_0~Reference



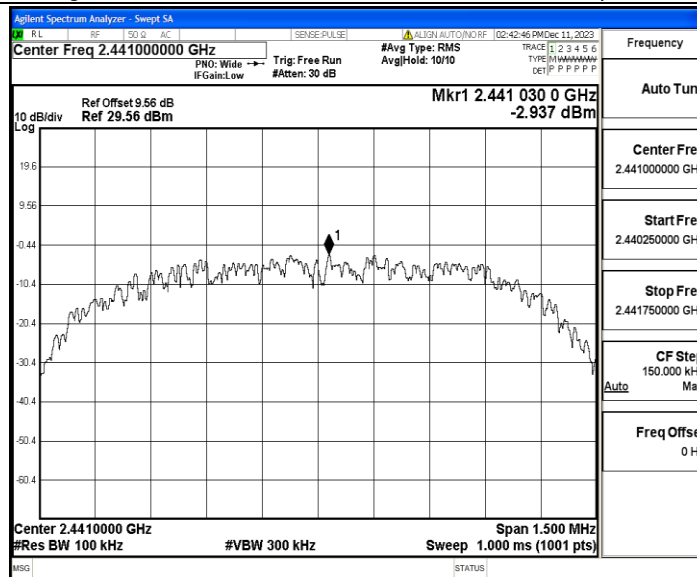
2DH5_Ant1_2402_30~1000



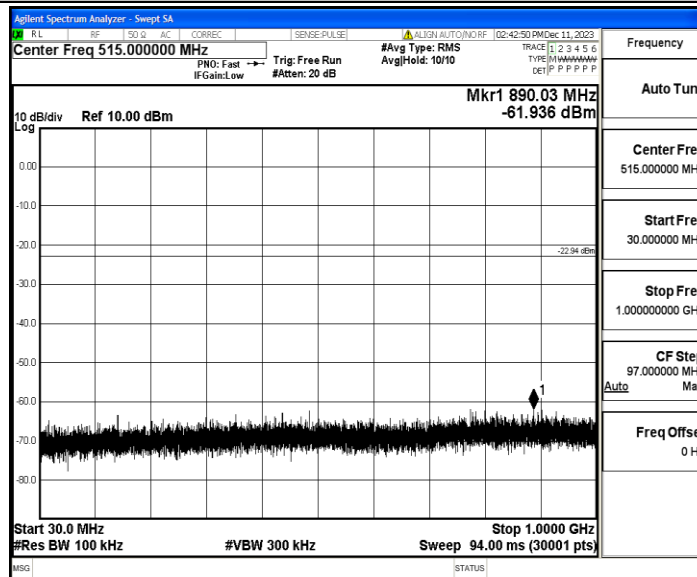
2DH5_Ant1_2402_1000~26500



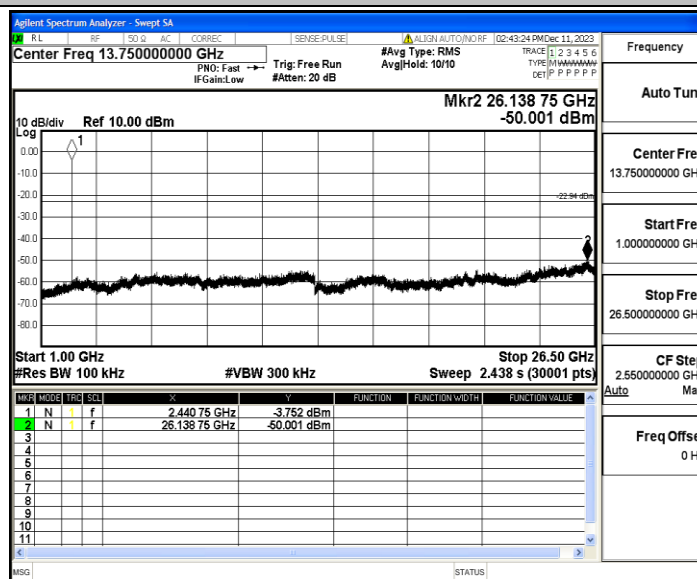
2DH5_Ant1_2441_0~Reference



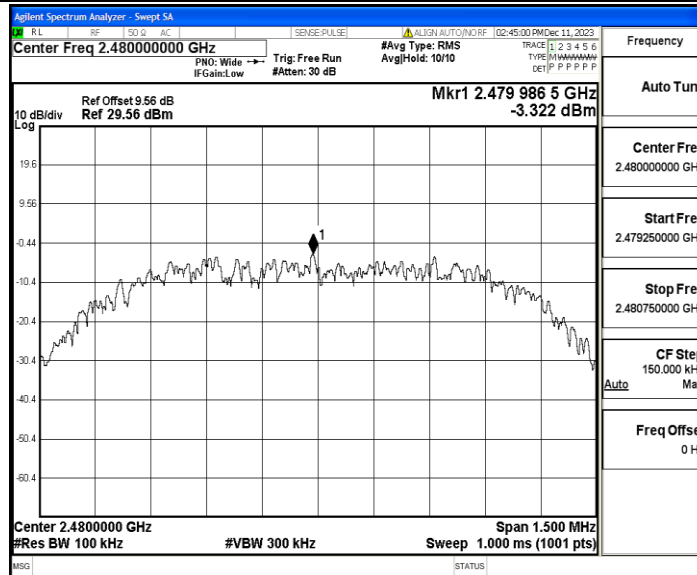
2DH5_Ant1_2441_30~1000



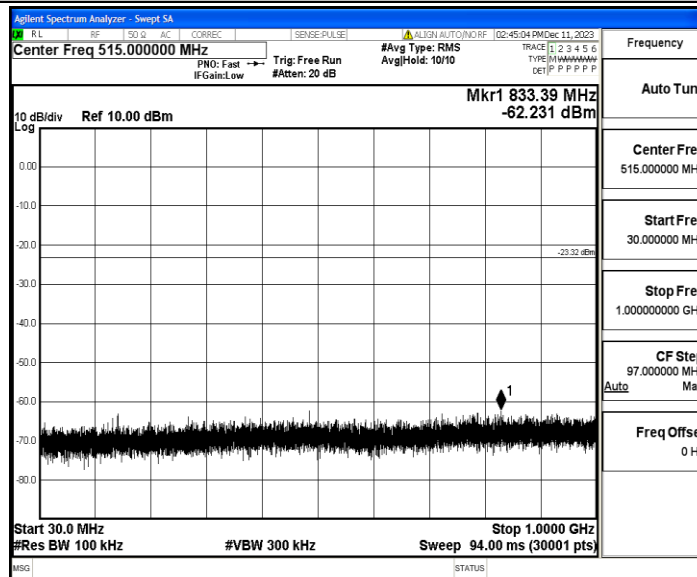
2DH5_Ant1_2441_1000~26500



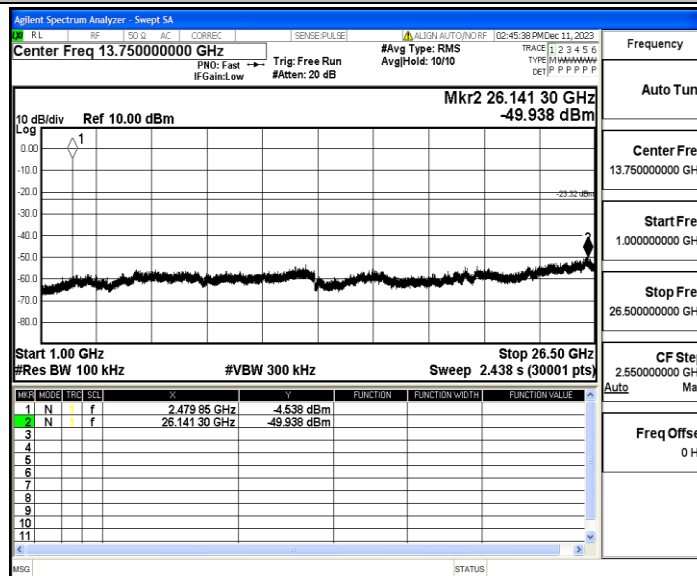
2DH5_Ant1_2480_0~Reference



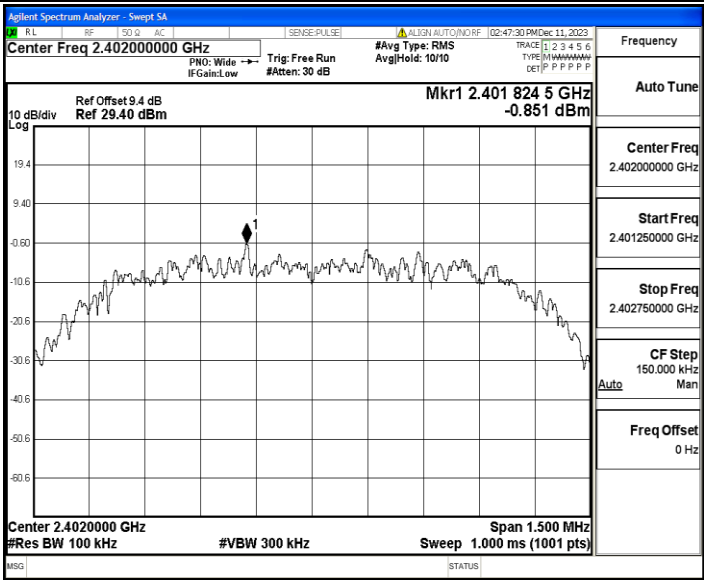
2DH5_Ant1_2480_30~1000



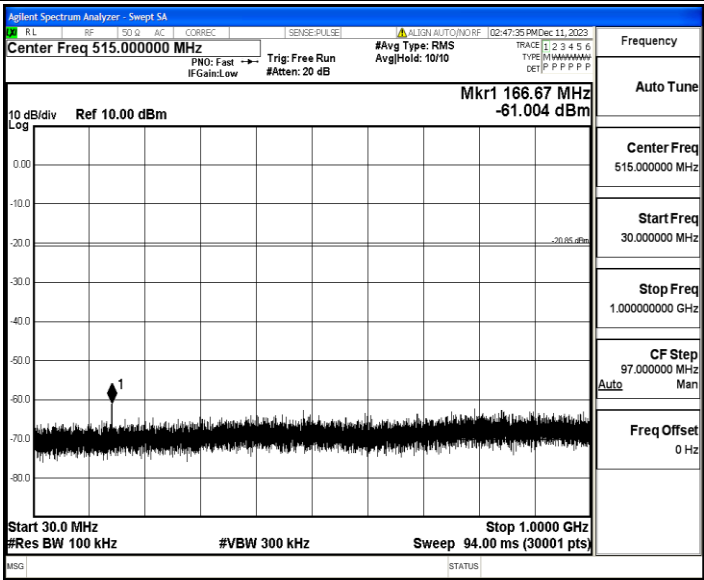
2DH5_Ant1_2480_1000~26500



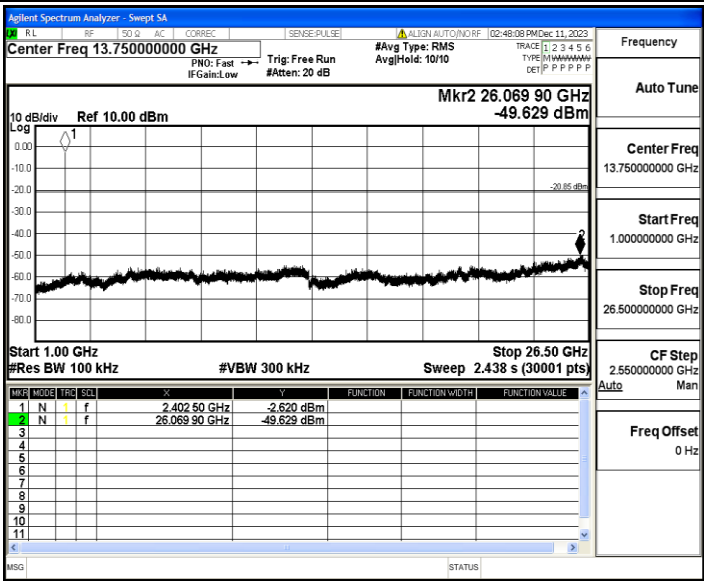
3DH5_Ant1_2402_0~Reference



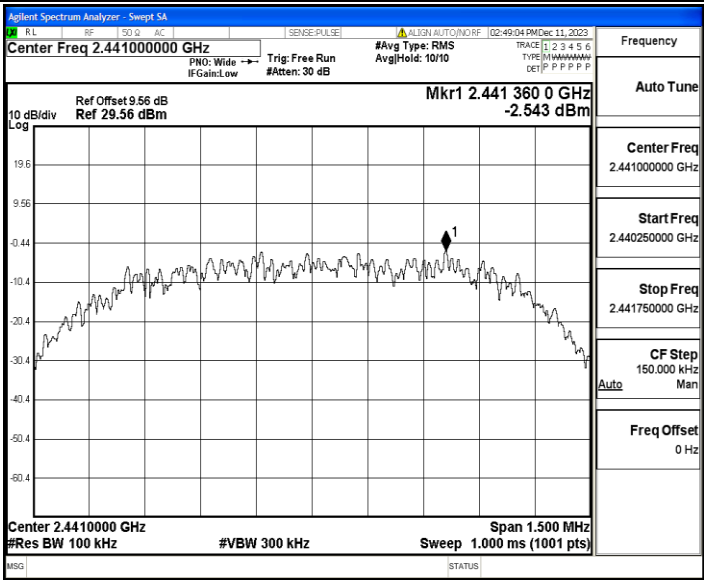
3DH5_Ant1_2402_30~1000



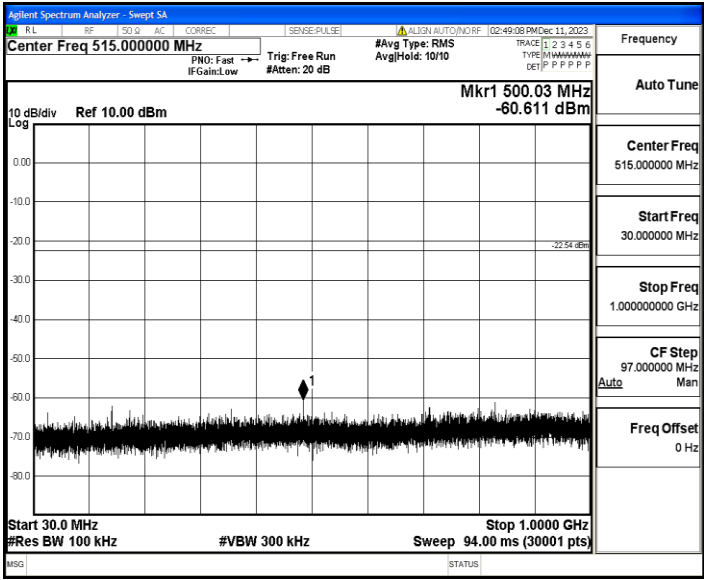
3DH5_Ant1_2402_1000~26500



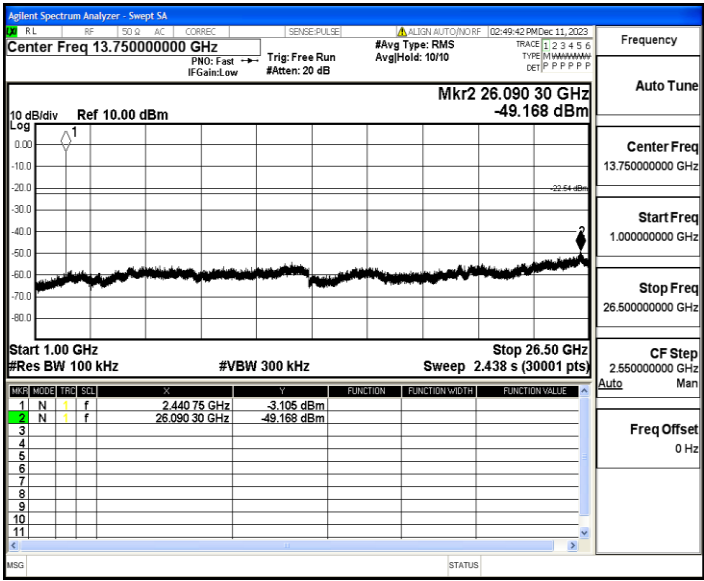
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference