

FCC Appendix RF Test Data for BT

FCC ID : 2BS56-SMARTTV

Company : Shenzhen Beck Cross-Border Trade Co., Ltd.

EUT : Smart TV

Model Number : 14 INCH SMART TV

Report No. : CTA25101300401

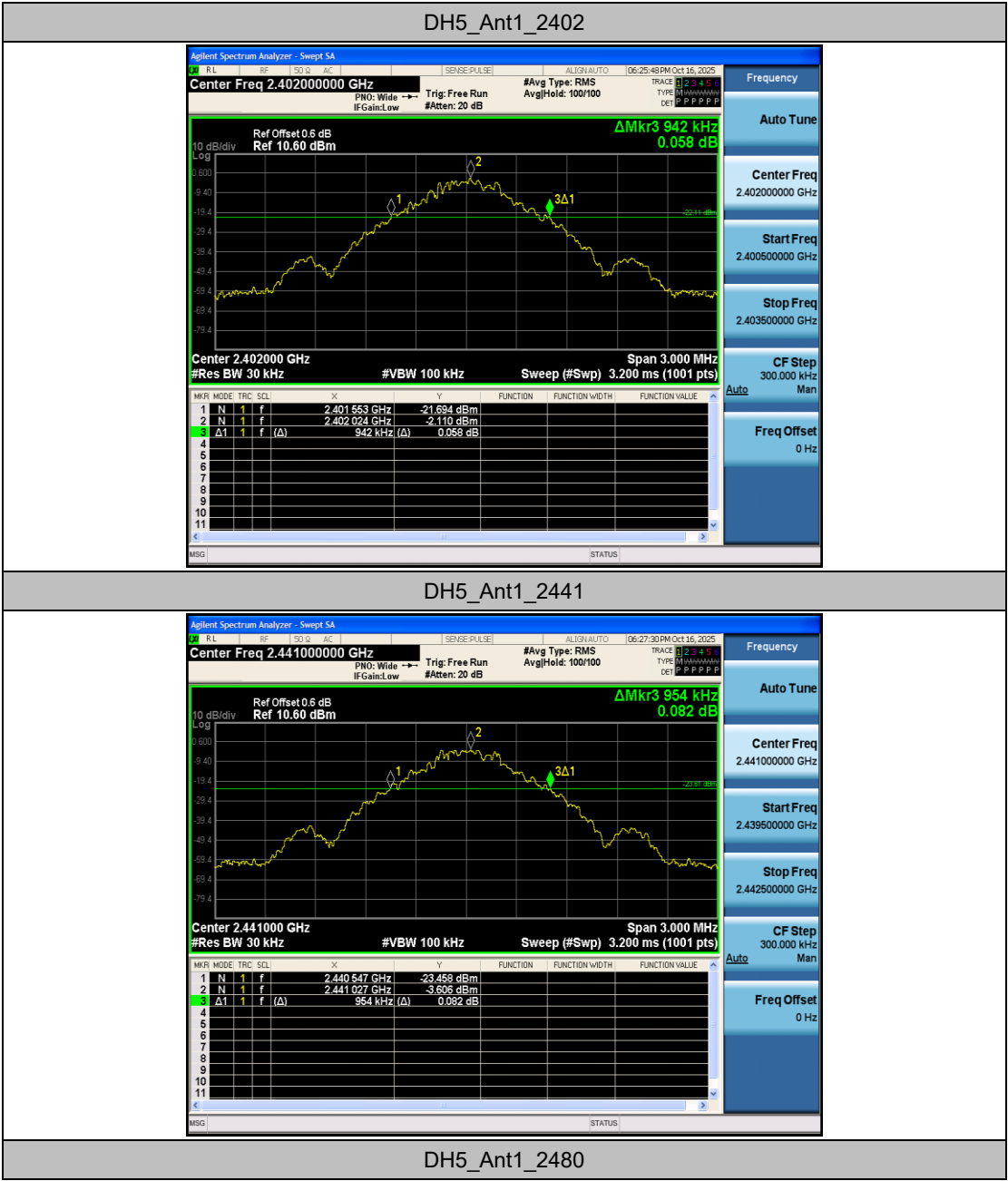
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.553	2402.495	---	---
		2441	0.954	2440.547	2441.501	---	---
		2480	0.954	2479.547	2480.501	---	---
2DH5	Ant1	2402	1.281	2401.379	2402.660	---	---
		2441	1.320	2440.349	2441.669	---	---
		2480	1.308	2479.358	2480.666	---	---
3DH5	Ant1	2402	1.308	2401.361	2402.669	---	---
		2441	1.299	2440.364	2441.663	---	---
		2480	1.332	2479.346	2480.678	---	---

Test Graphs





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

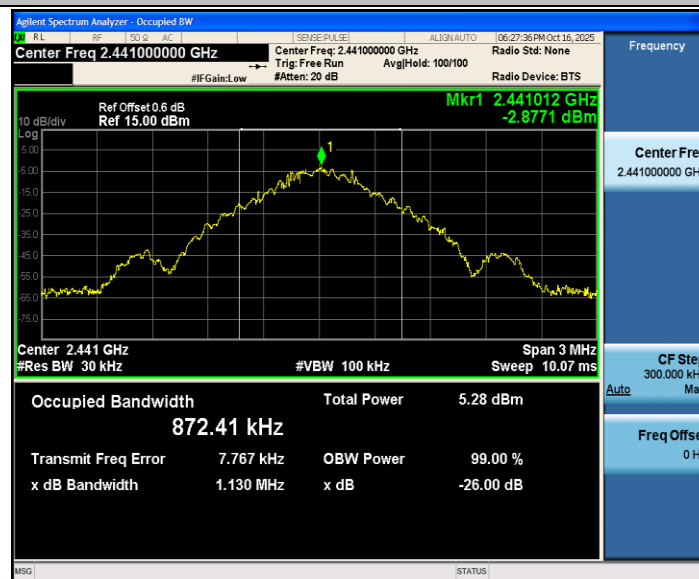
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86860	2401.5757	2402.4443	---	---
		2441	0.87241	2440.5716	2441.4440	---	---
		2480	0.86823	2479.5749	2480.4431	---	---
2DH5	Ant1	2402	1.1853	2401.4182	2402.6035	---	---
		2441	1.1849	2440.4166	2441.6015	---	---
		2480	1.1854	2479.4179	2480.6033	---	---
3DH5	Ant1	2402	1.1845	2401.4183	2402.6028	---	---
		2441	1.1835	2440.4196	2441.6031	---	---
		2480	1.1862	2479.4188	2480.6050	---	---

Test Graphs

DH5_Ant1_2402



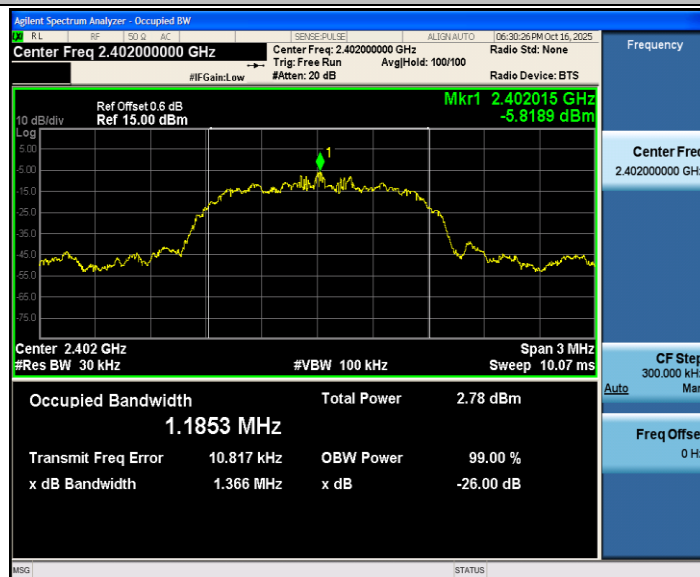
DH5_Ant1_2441



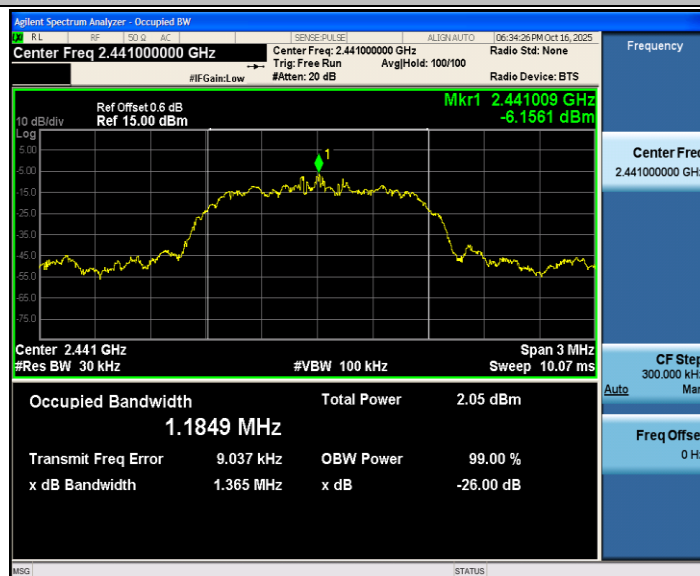
DH5_Ant1_2480



2DH5_Ant1_2402



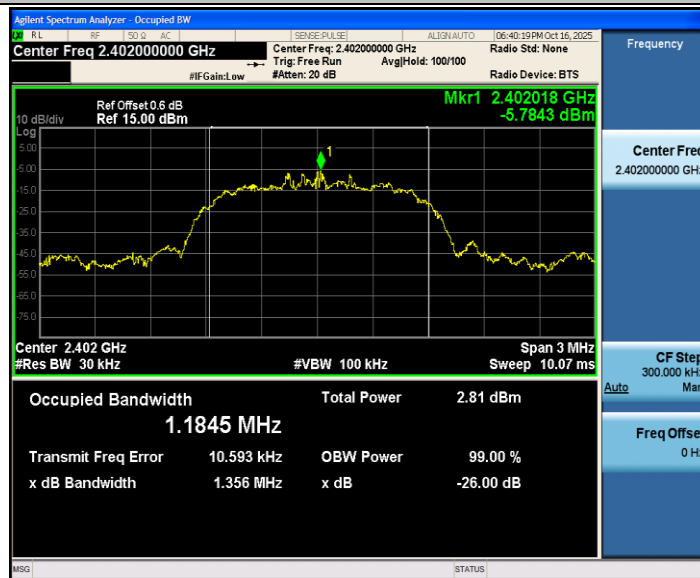
2DH5_Ant1_2441



2DH5_Ant1_2480



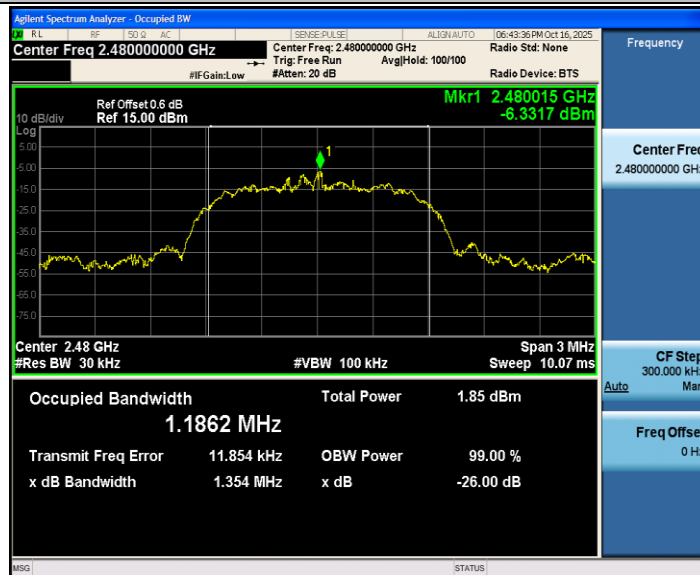
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.53	≤20.97	PASS
		2441	-0.60	≤20.97	PASS
		2480	-0.93	≤20.97	PASS
2DH5	Ant1	2402	-1.11	≤20.97	PASS
		2441	-1.69	≤20.97	PASS
		2480	-1.76	≤20.97	PASS
3DH5	Ant1	2402	-0.45	≤20.97	PASS
		2441	-1.04	≤20.97	PASS
		2480	-1.31	≤20.97	PASS

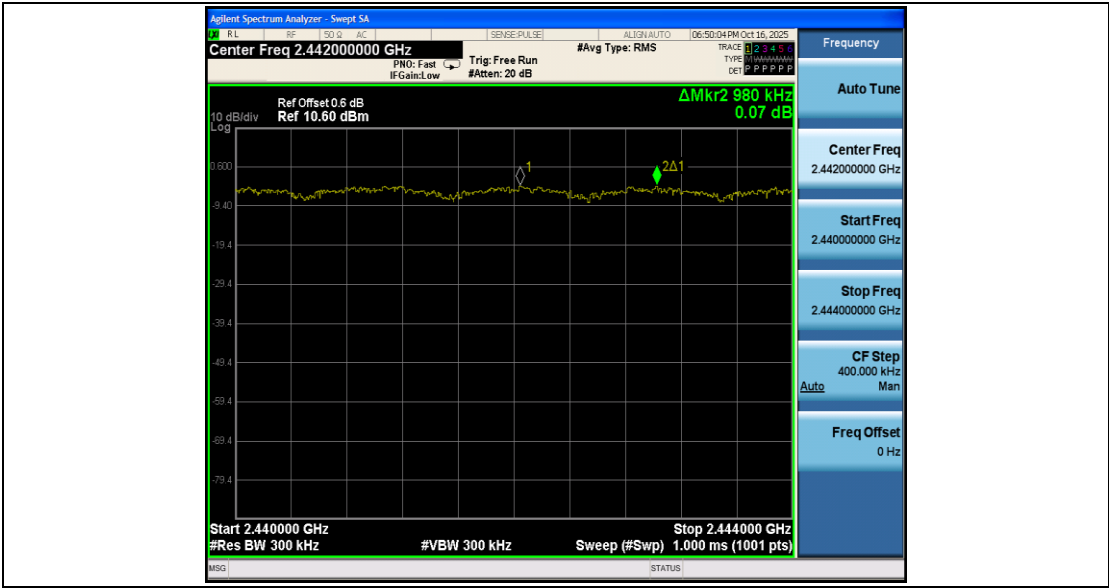
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.028	≥ 0.954	PASS
2DH5	Ant1	Hop	1.124	≥ 0.880	PASS
3DH5	Ant1	Hop	0.98	≥ 0.888	PASS

Test Graphs



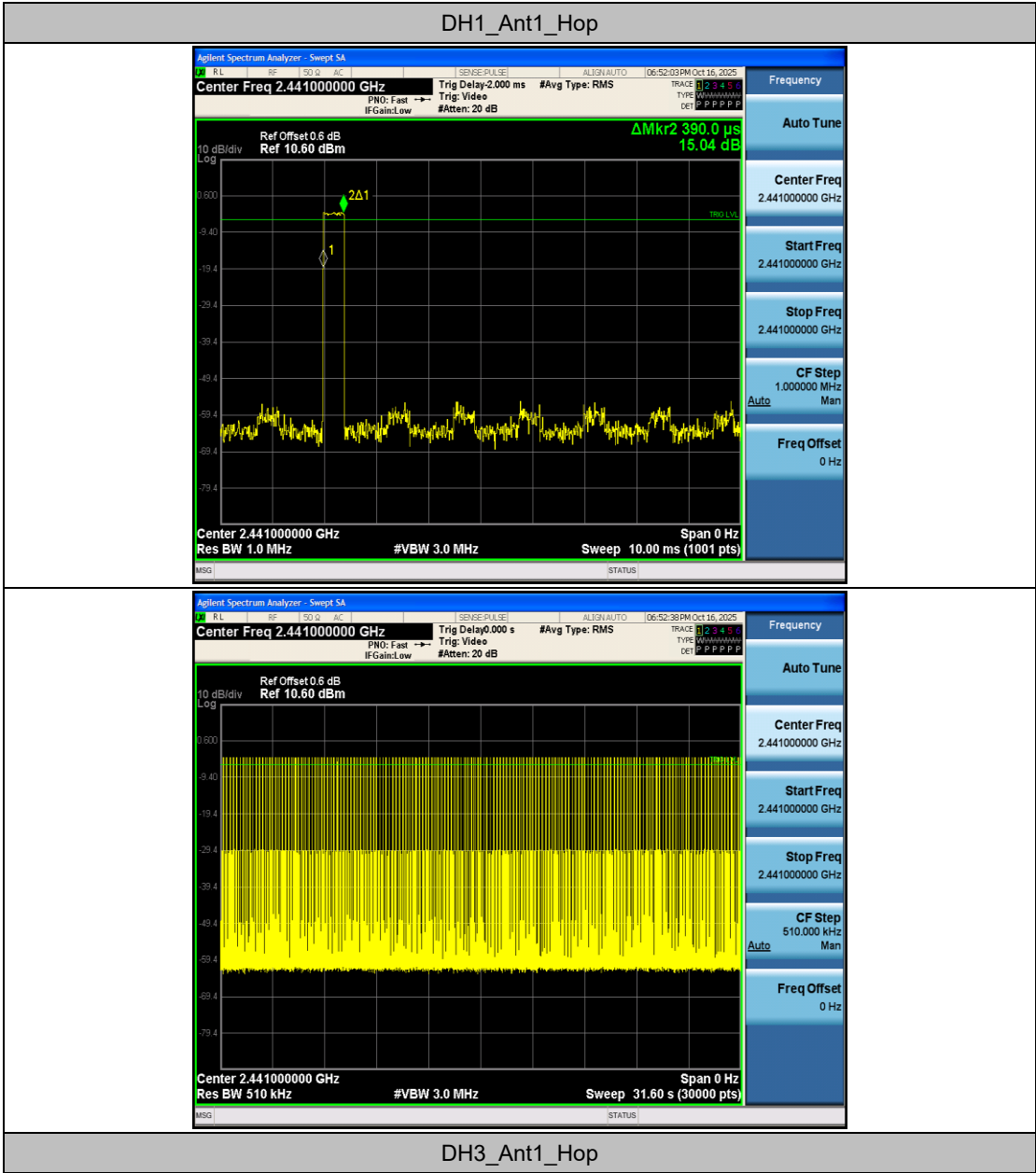


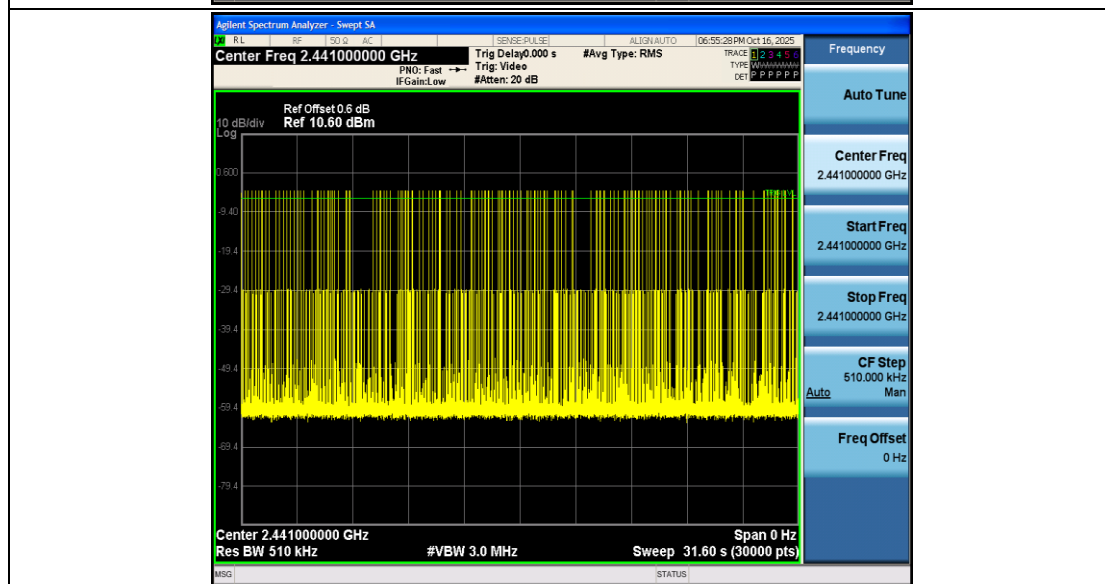
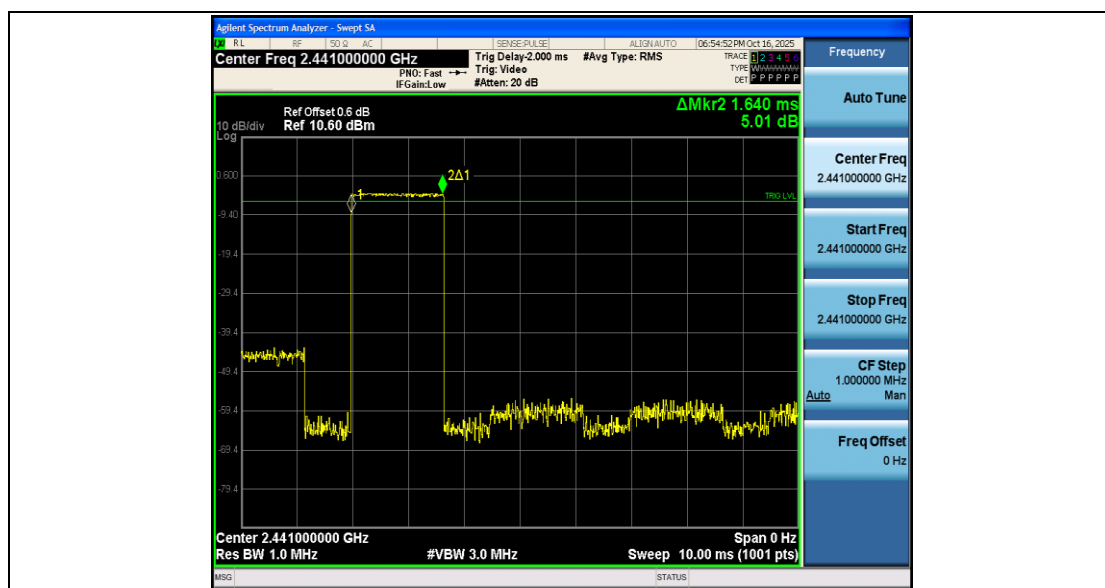
Appendix E: Time of occupancy

Test Result

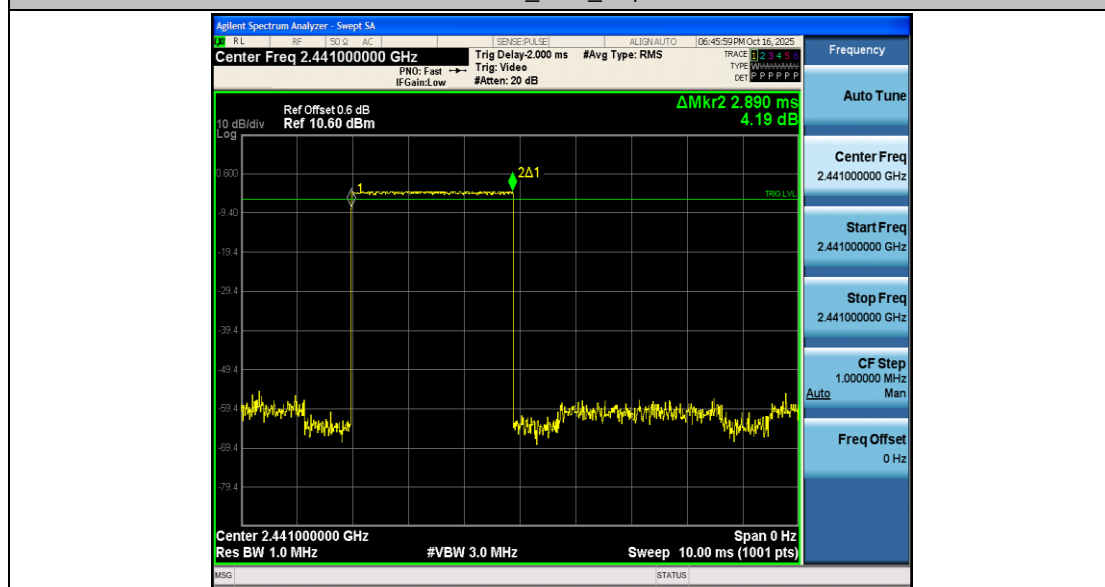
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	315	0.123	≤0.4	PASS
DH3	Ant1	Hop	1.640	158	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.890	109	0.315	≤0.4	PASS
2DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.650	159	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.900	108	0.313	≤0.4	PASS
3DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.650	153	0.252	≤0.4	PASS
3DH5	Ant1	Hop	2.900	110	0.319	≤0.4	PASS

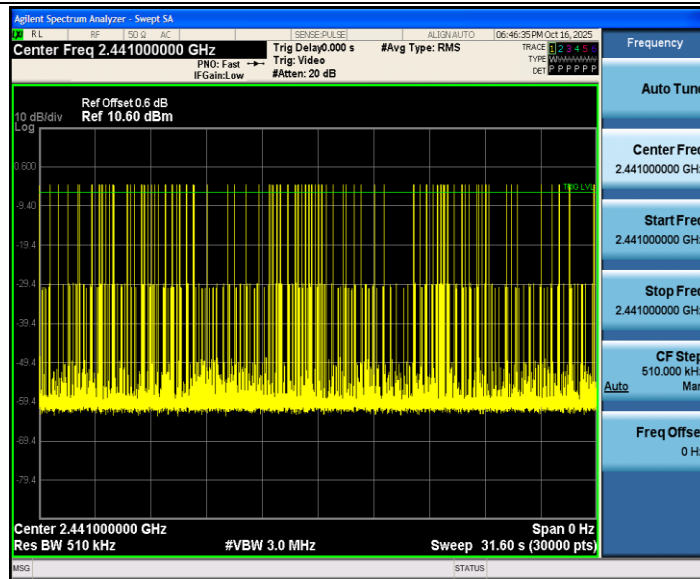
Test Graphs



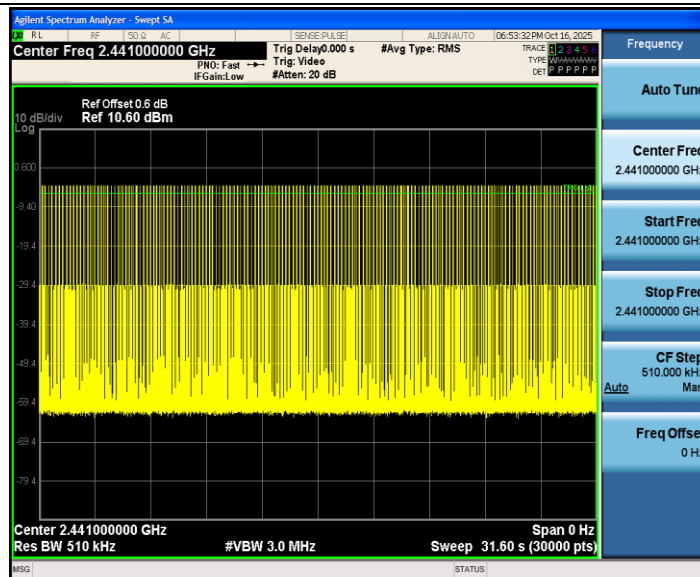
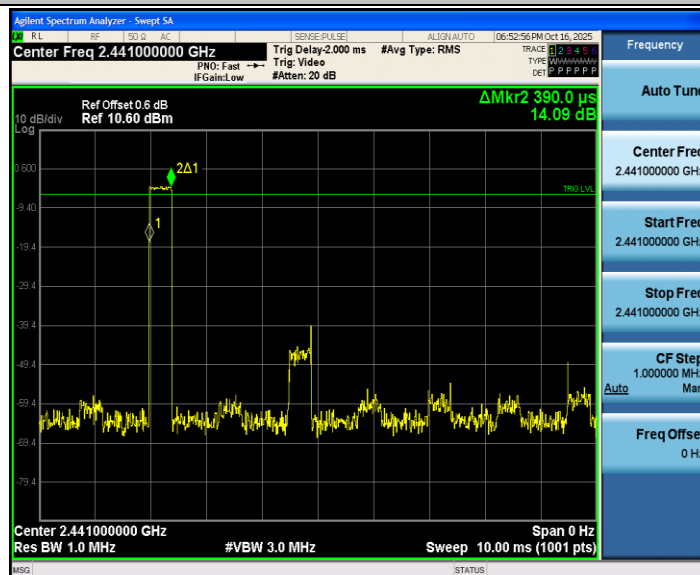


DH5_Ant1_Hop

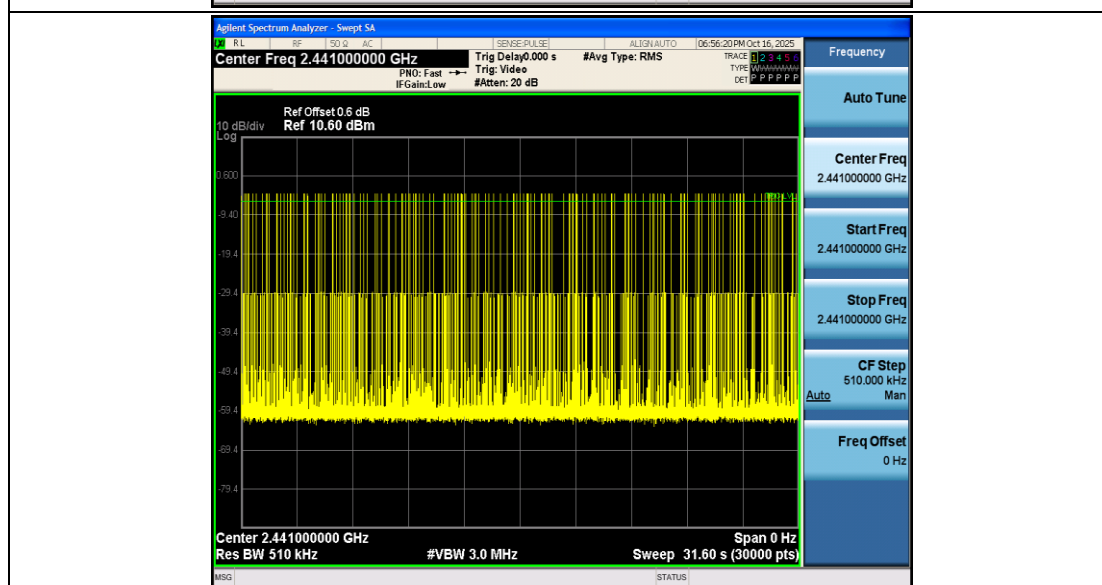




2DH1_Ant1_Hop

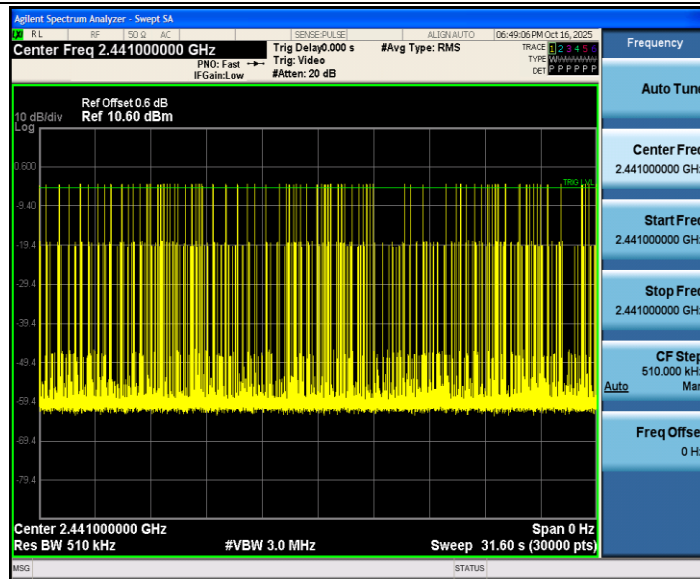


2DH3_Ant1_Hop

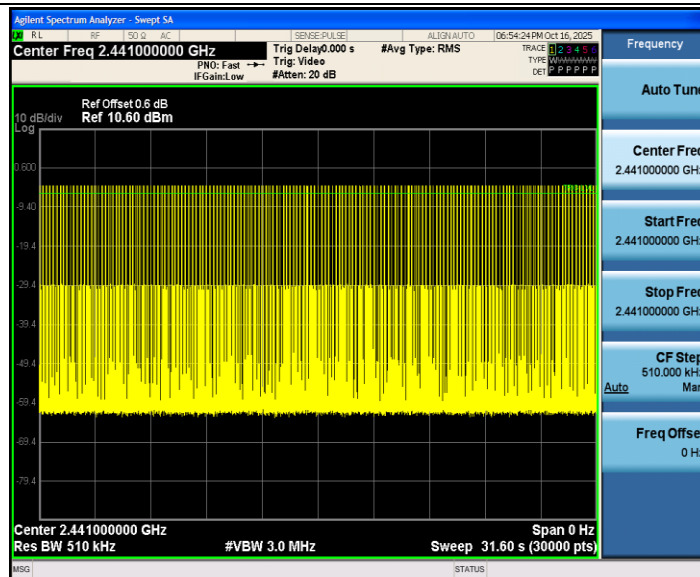
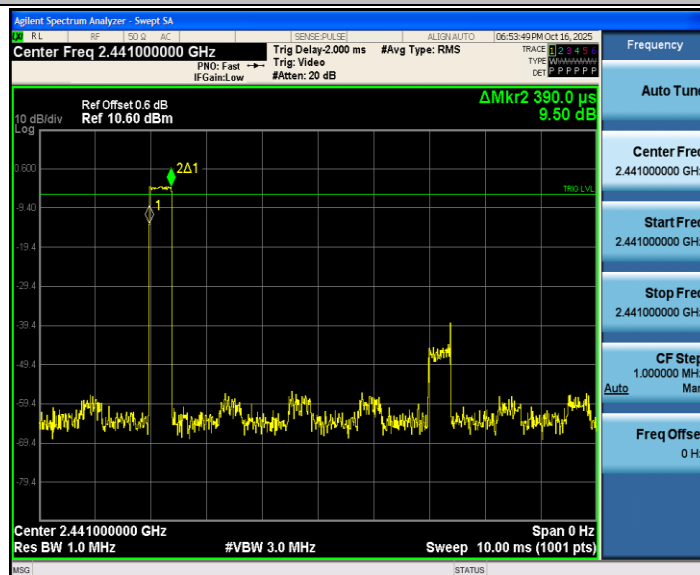


2DH5_Ant1_Hop

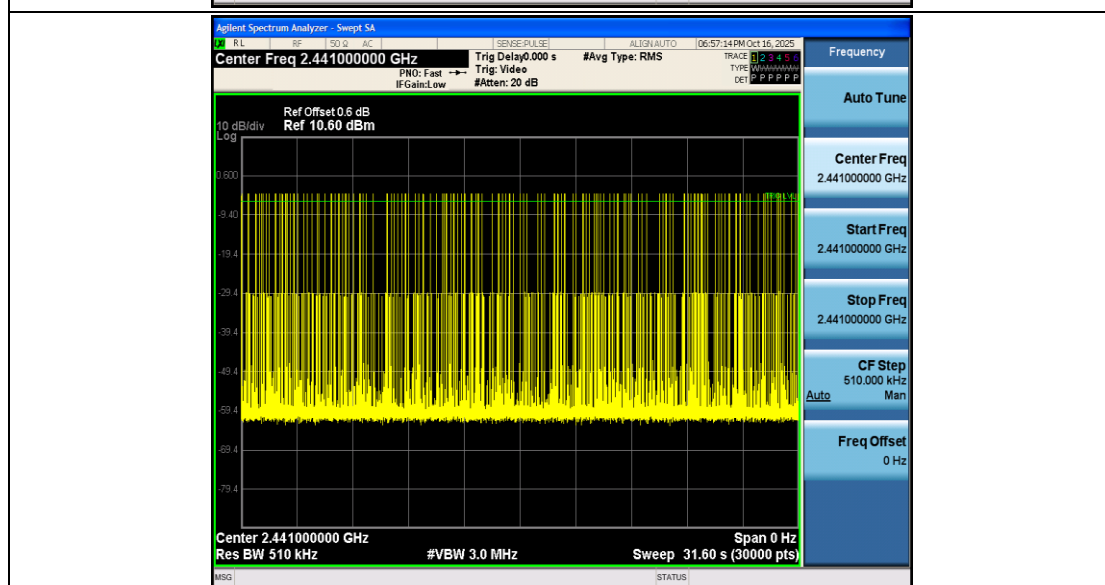




3DH1_Ant1_Hop

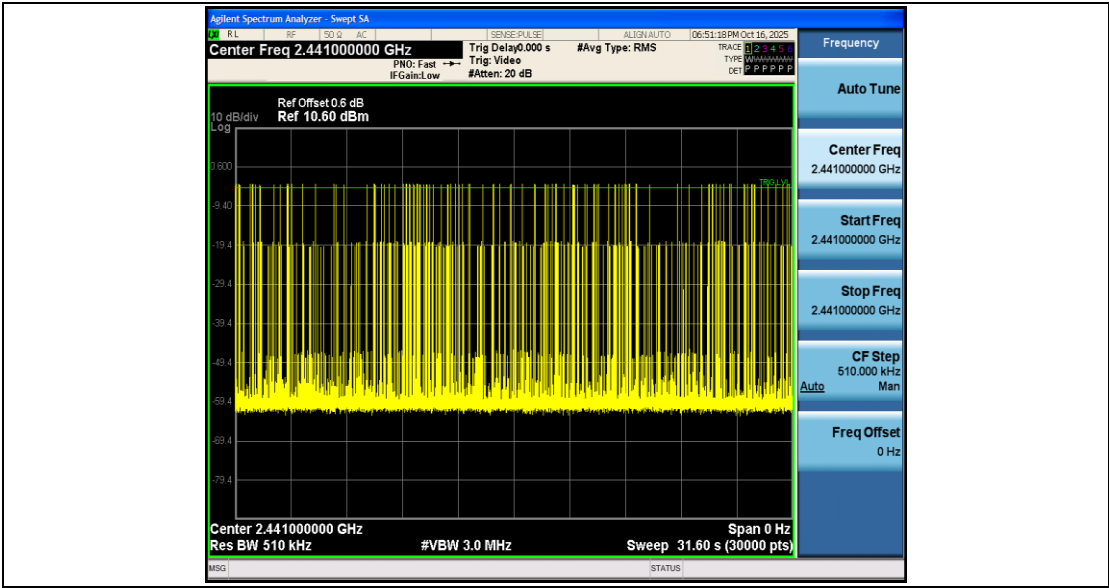


3DH3_Ant1_Hop



3DH5_Ant1_Hop





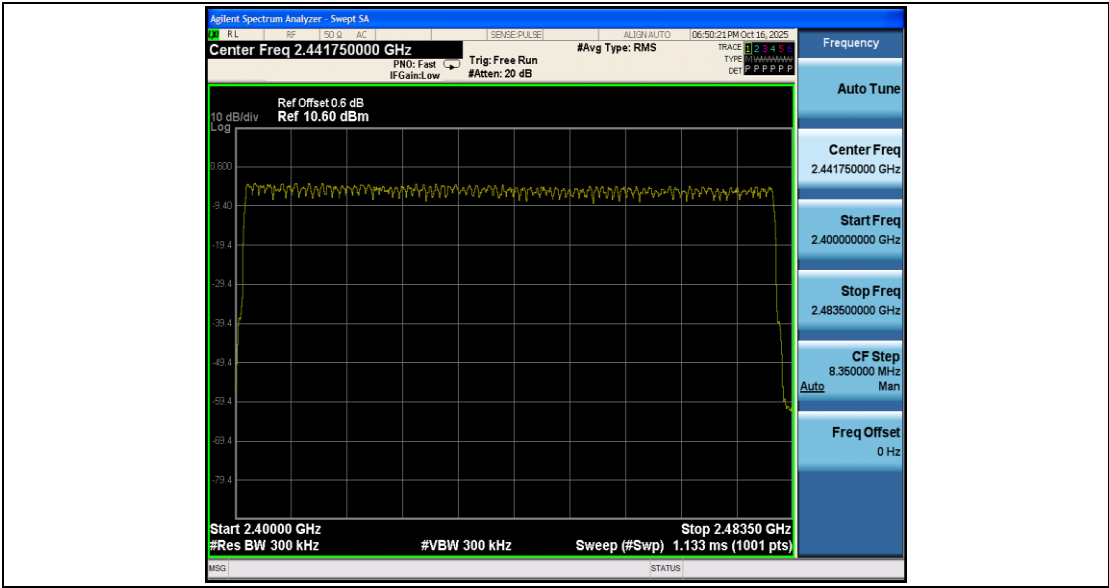
Appendix F: Number of hopping channels

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



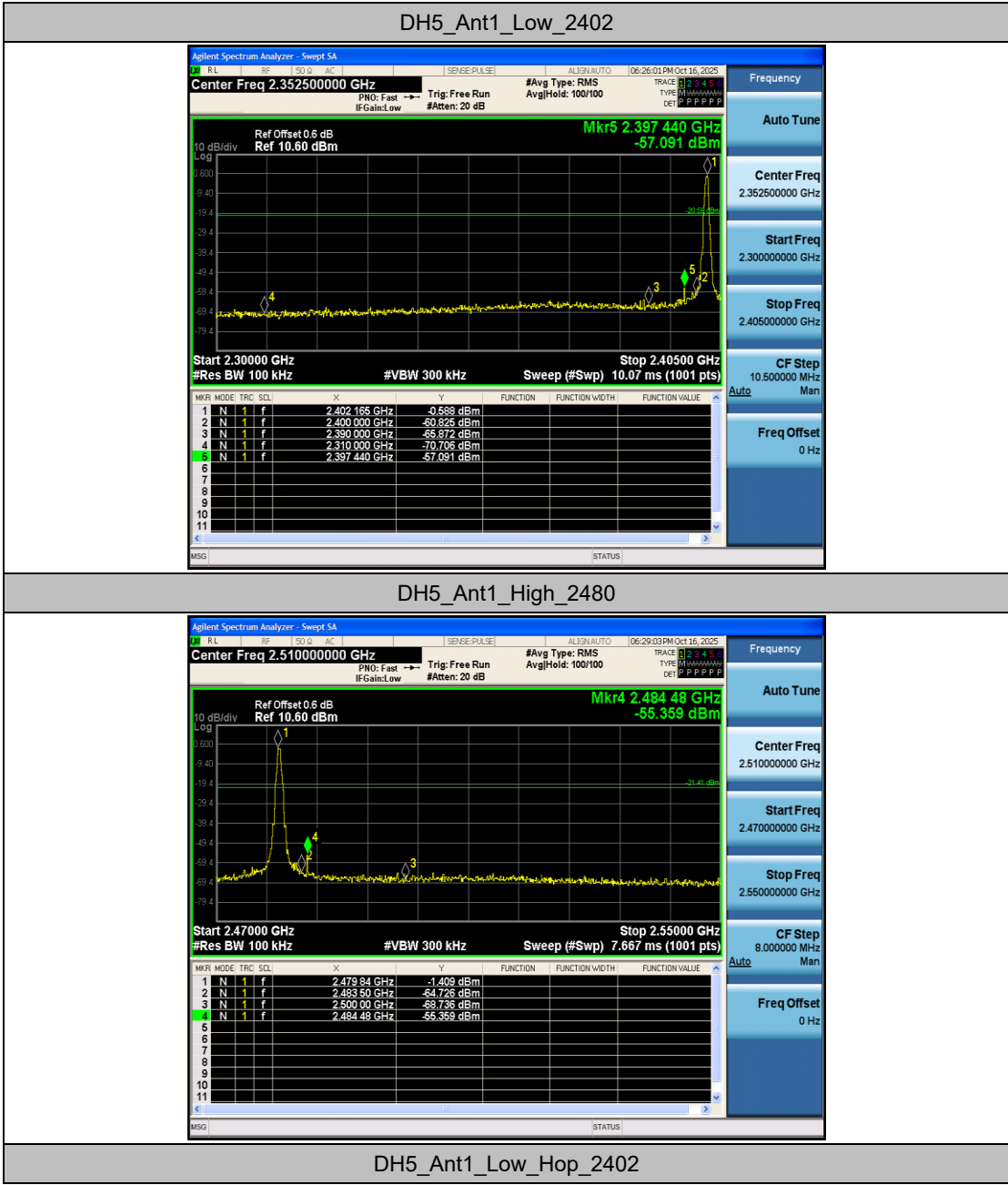


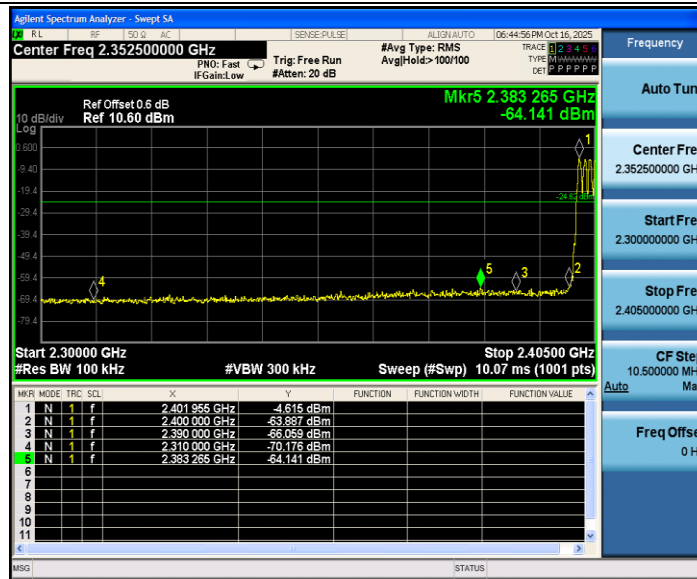
Appendix G: Band edge measurements

Test Result

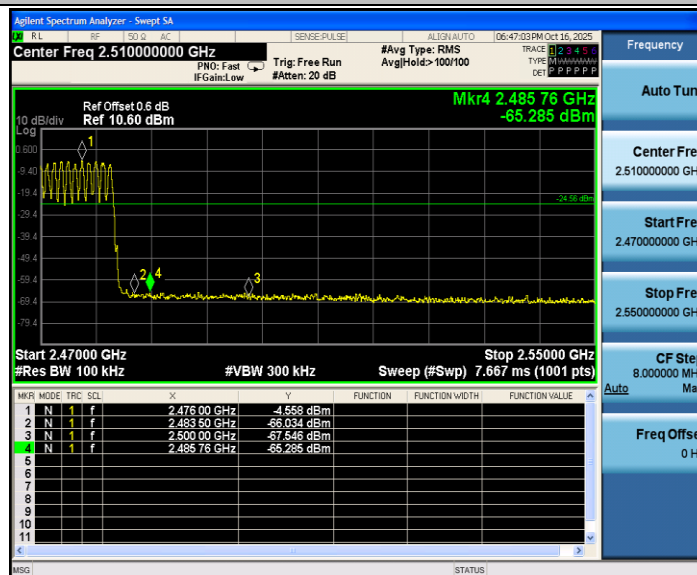
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.59	-57.09	≤-20.59	PASS
		High	2480	-1.41	-55.36	≤-21.41	PASS
		Low	Hop_2402	-4.62	-64.14	≤-24.62	PASS
		High	Hop_2480	-4.56	-65.29	≤-24.56	PASS
2DH5	Ant1	Low	2402	-4.10	-60.76	≤-24.1	PASS
		High	2480	-6.88	-57.78	≤-26.88	PASS
		Low	Hop_2402	-5.38	-62.85	≤-25.38	PASS
		High	Hop_2480	-6.10	-64.75	≤-26.1	PASS
3DH5	Ant1	Low	2402	-4.69	-55.25	≤-24.69	PASS
		High	2480	-4.87	-56.11	≤-24.87	PASS
		Low	Hop_2402	-4.54	-62.66	≤-24.54	PASS
		High	Hop_2480	-4.68	-64.77	≤-24.68	PASS

Test Graphs

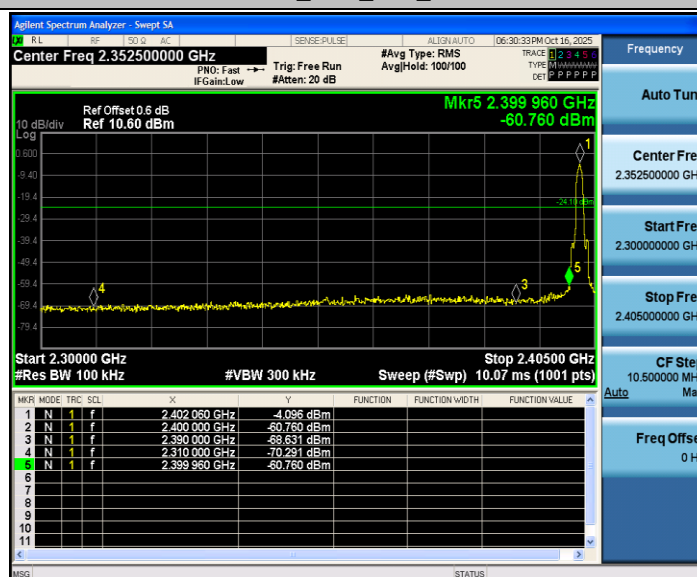




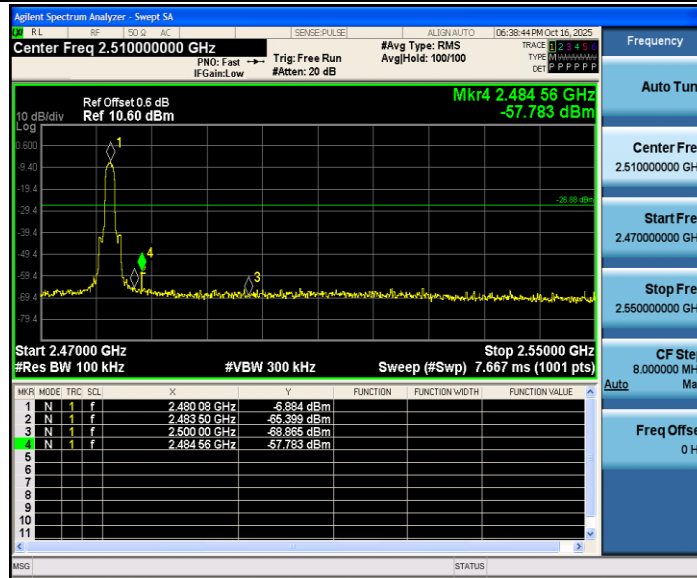
DH5_Ant1_High_Hop_2480



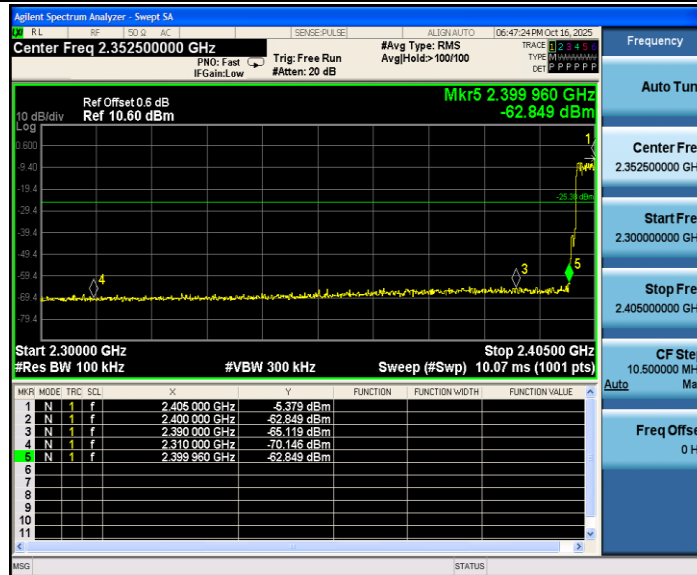
2DH5_Ant1_Low_2402



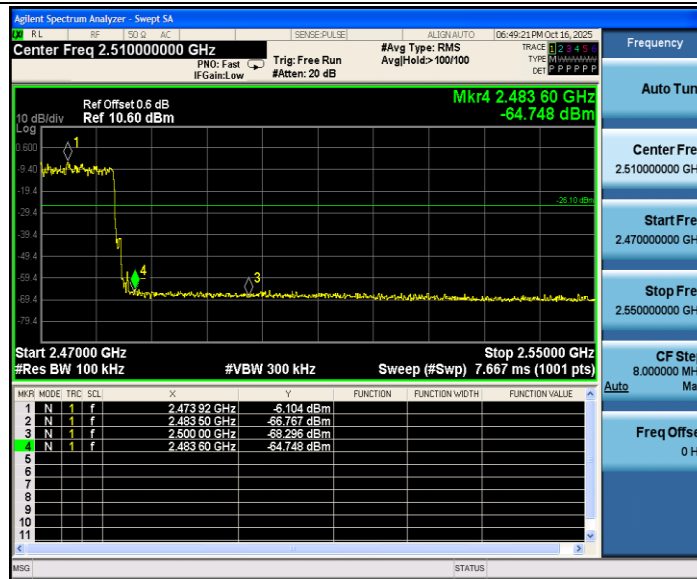
2DH5_Ant1_High_2480



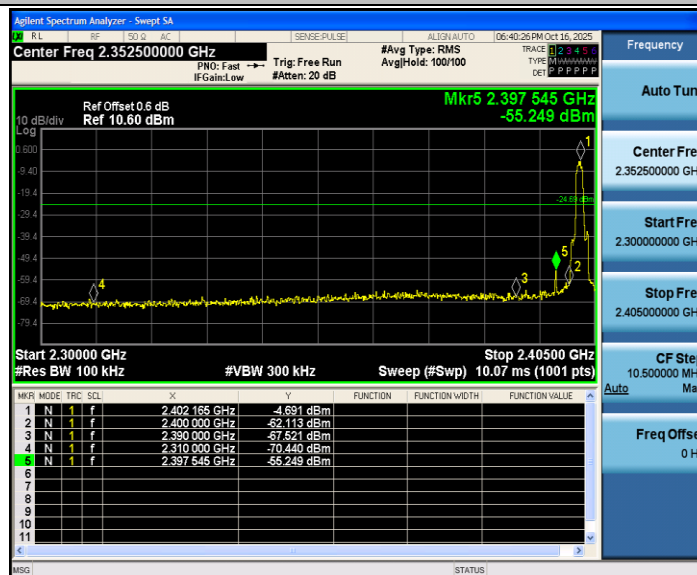
2DH5_Ant1_Low_Hop_2402



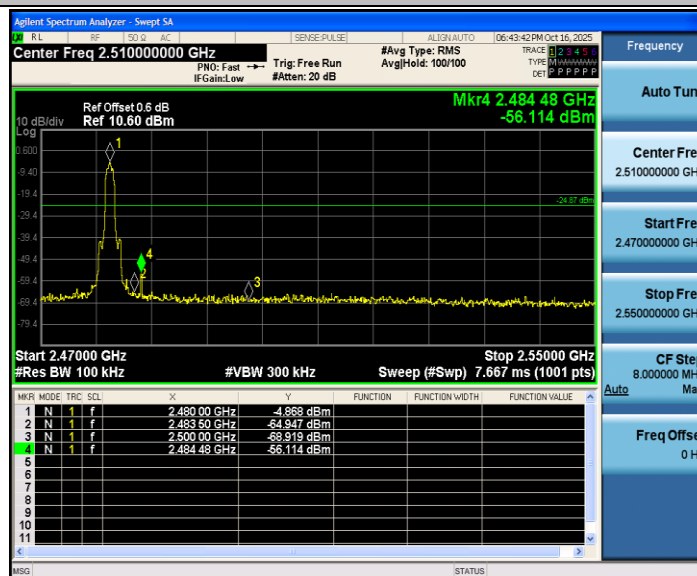
2DH5_Ant1_High_Hop_2480



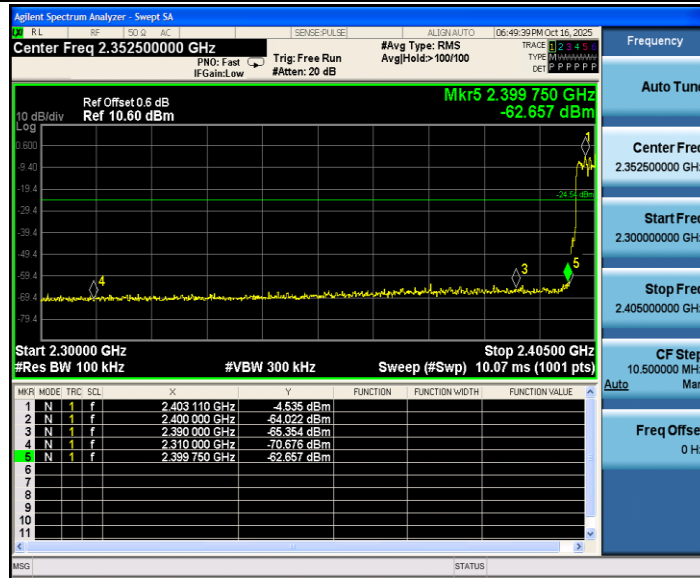
3DH5_Ant1_Low_2402



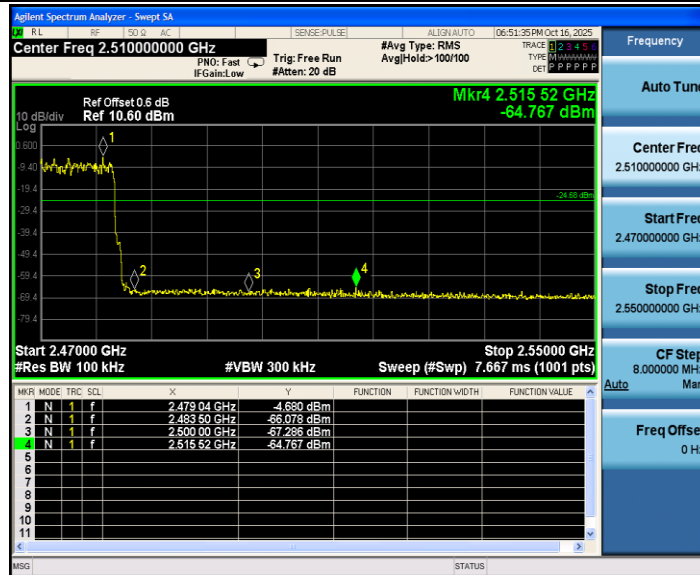
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

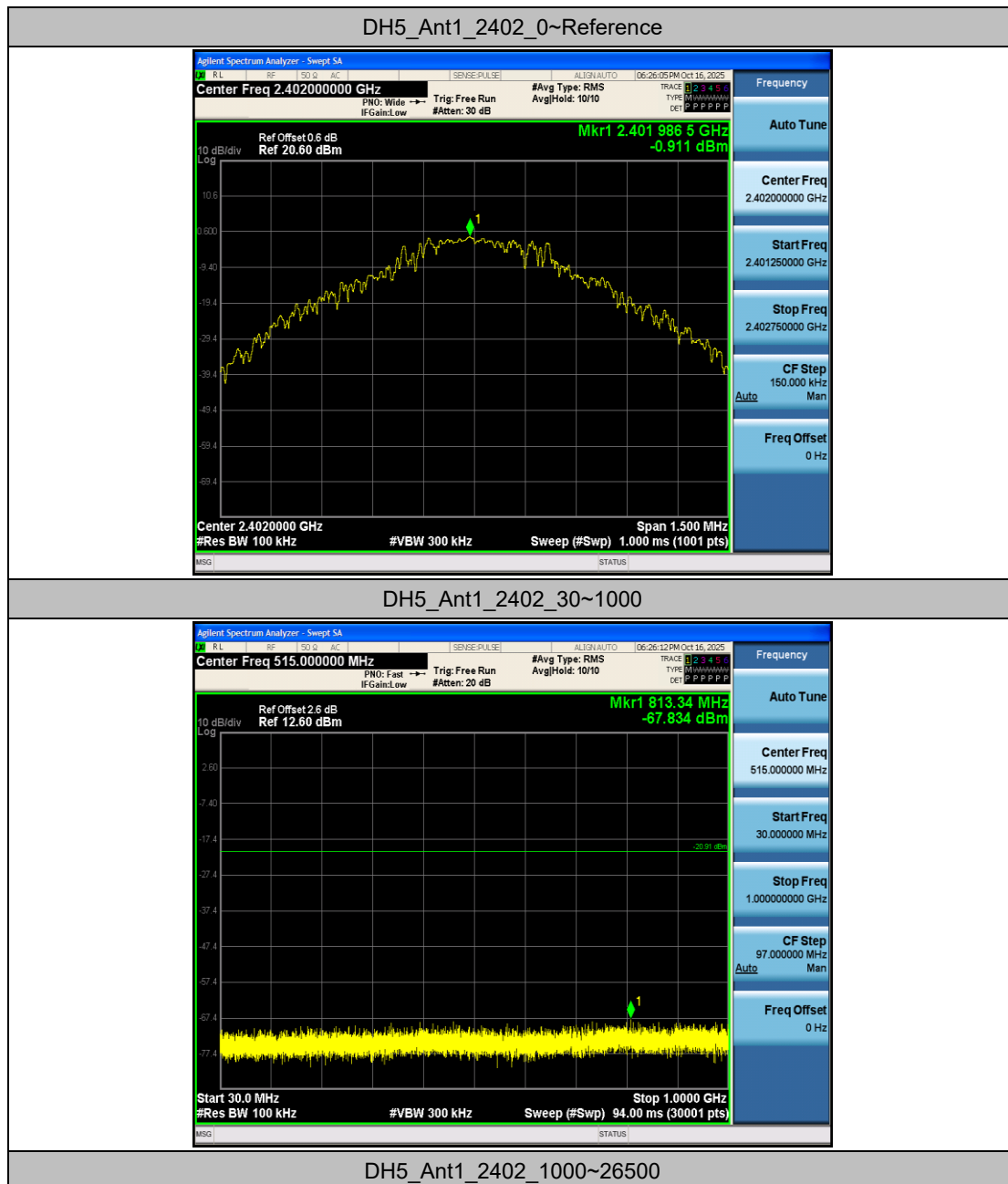


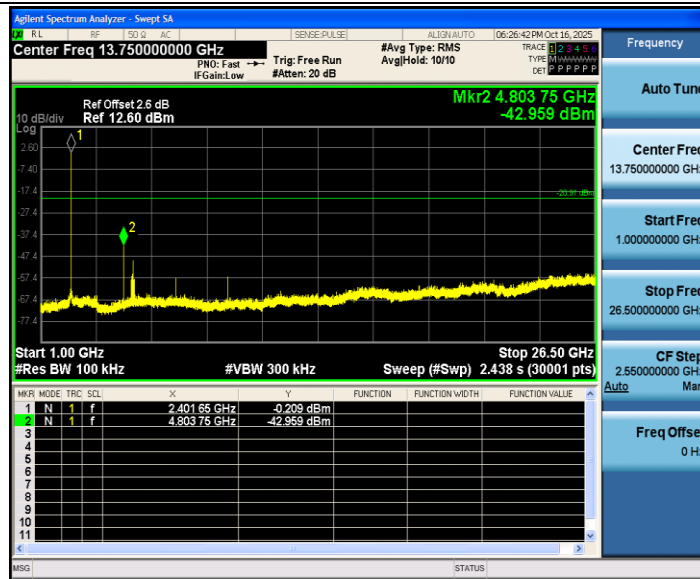
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.91	-0.91	---	PASS
			30~1000	-0.91	-67.83	≤-20.91	PASS
			1000~26500	-0.91	-42.96	≤-20.91	PASS
		2441	Reference	-1.58	-1.58	---	PASS
			30~1000	-1.58	-68.08	≤-21.58	PASS
			1000~26500	-1.58	-42.85	≤-21.58	PASS
		2480	Reference	-2.17	-2.17	---	PASS
			30~1000	-2.17	-67.24	≤-22.17	PASS
			1000~26500	-2.17	-43.71	≤-22.17	PASS
2DH5	Ant1	2402	Reference	-5.97	-5.97	---	PASS
			30~1000	-5.97	-68.14	≤-25.97	PASS
			1000~26500	-5.97	-48.35	≤-25.97	PASS
		2441	Reference	-5.88	-5.88	---	PASS
			30~1000	-5.88	-67.85	≤-25.88	PASS
			1000~26500	-5.88	-49.17	≤-25.88	PASS
		2480	Reference	-7.00	-7.00	---	PASS
			30~1000	-7.00	-68.05	≤-27	PASS
			1000~26500	-7.00	-47.59	≤-27	PASS
3DH5	Ant1	2402	Reference	-6.12	-6.12	---	PASS
			30~1000	-6.12	-67.59	≤-26.12	PASS
			1000~26500	-6.12	-48.98	≤-26.12	PASS
		2441	Reference	-6.14	-6.14	---	PASS
			30~1000	-6.14	-67.48	≤-26.14	PASS
			1000~26500	-6.14	-50.3	≤-26.14	PASS
		2480	Reference	-7.25	-7.25	---	PASS
			30~1000	-7.25	-67.5	≤-27.25	PASS
			1000~26500	-7.25	-48.37	≤-27.25	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

