

FCC Appendix RF Test Data for BT

FCC ID : 2ASORQ6

Company : Shenzhen Jianida Electronics Co. Ltd.

EUT : Surveillance camera

Model Number : Q6

Report No. : CTA25112001901

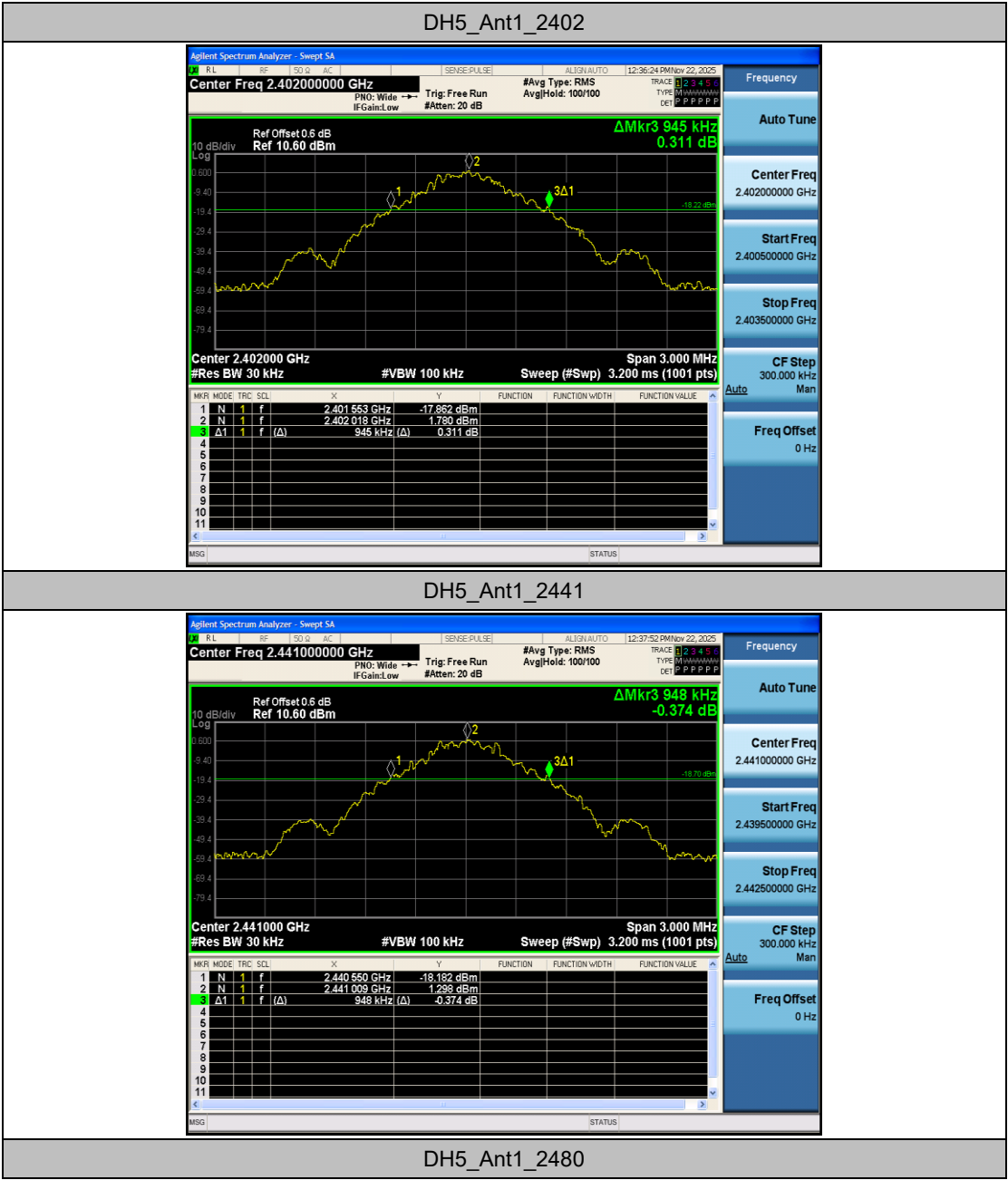
Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.553	2402.498	---	---
		2441	0.948	2440.550	2441.498	---	---
		2480	0.954	2479.550	2480.504	---	---
2DH5	Ant1	2402	1.332	2401.343	2402.675	---	---
		2441	1.320	2440.346	2441.666	---	---
		2480	1.311	2479.355	2480.666	---	---
3DH5	Ant1	2402	1.281	2401.382	2402.663	---	---
		2441	1.317	2440.352	2441.669	---	---
		2480	1.326	2479.346	2480.672	---	---

Test Graphs





2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

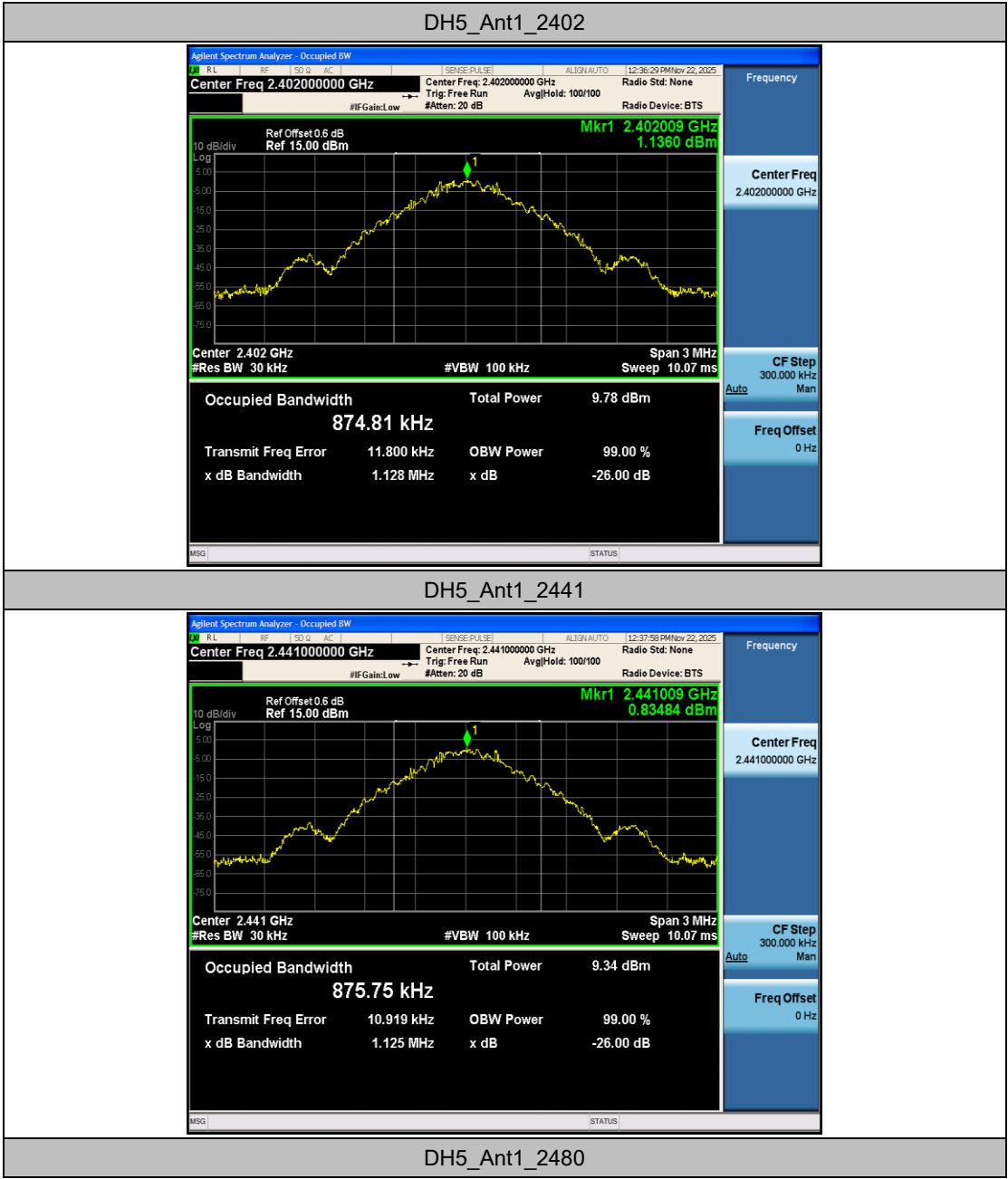


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87481	2401.5744	2402.4492	---	---
		2441	0.87575	2440.5730	2441.4488	---	---
		2480	0.87159	2479.5730	2480.4446	---	---
2DH5	Ant1	2402	1.1940	2401.4135	2402.6075	---	---
		2441	1.1923	2440.4146	2441.6069	---	---
		2480	1.1875	2479.4173	2480.6048	---	---
3DH5	Ant1	2402	1.1925	2401.4146	2402.6071	---	---
		2441	1.1845	2440.4188	2441.6033	---	---
		2480	1.1919	2479.4177	2480.6096	---	---

Test Graphs





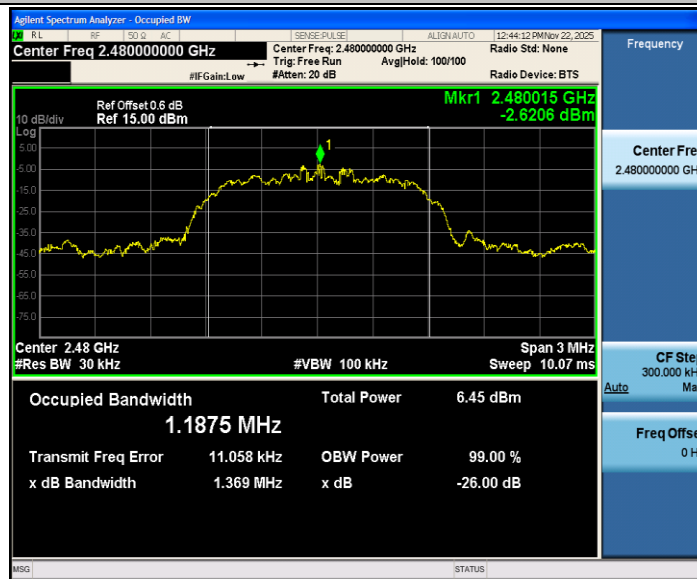
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

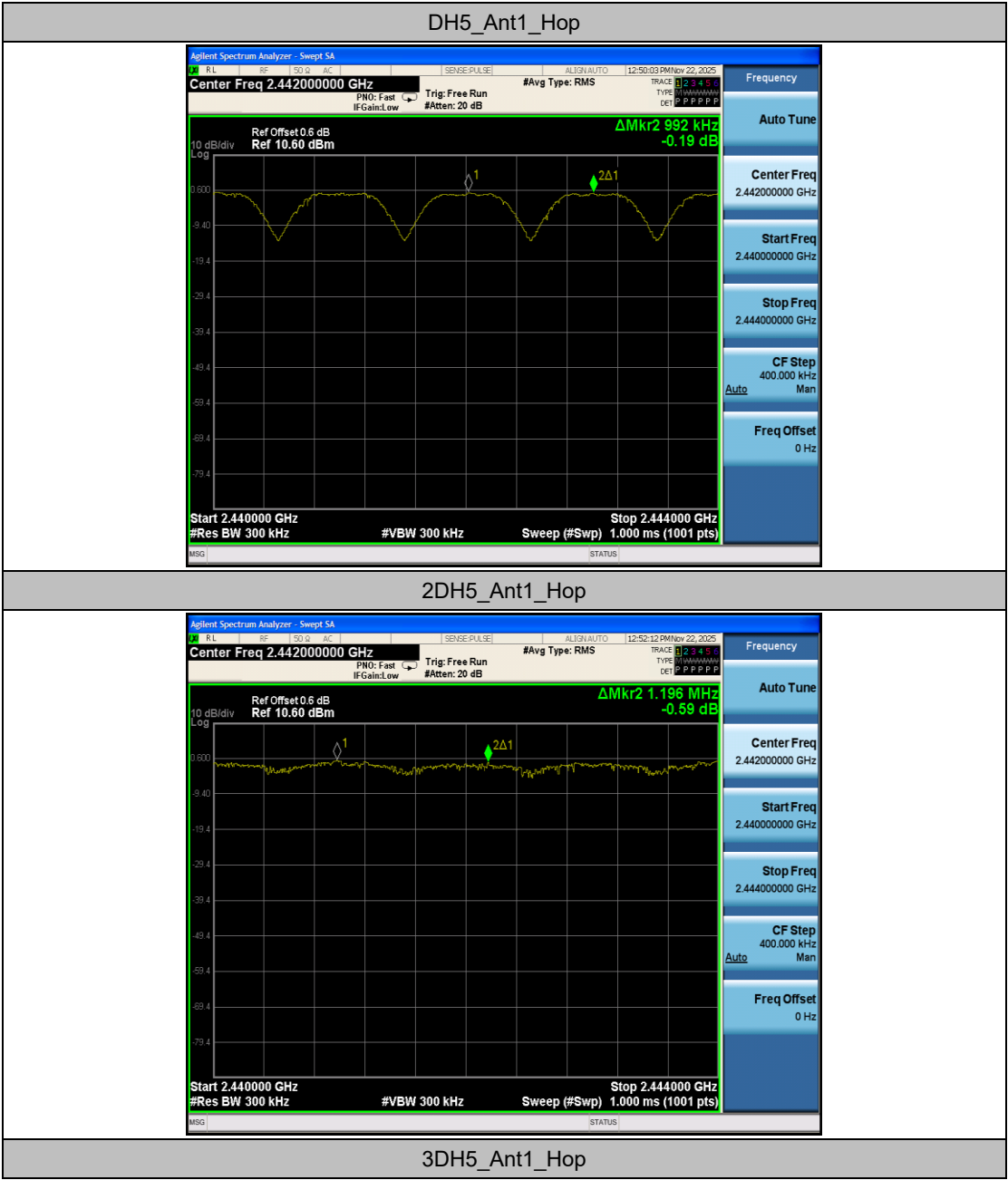
Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	3.71	≤20.97	PASS
		2441	3.42	≤20.97	PASS
		2480	3.34	≤20.97	PASS
2DH5	Ant1	2402	3.02	≤20.97	PASS
		2441	2.71	≤20.97	PASS
		2480	2.62	≤20.97	PASS
3DH5	Ant1	2402	3.01	≤20.97	PASS
		2441	2.71	≤20.97	PASS
		2480	2.64	≤20.97	PASS

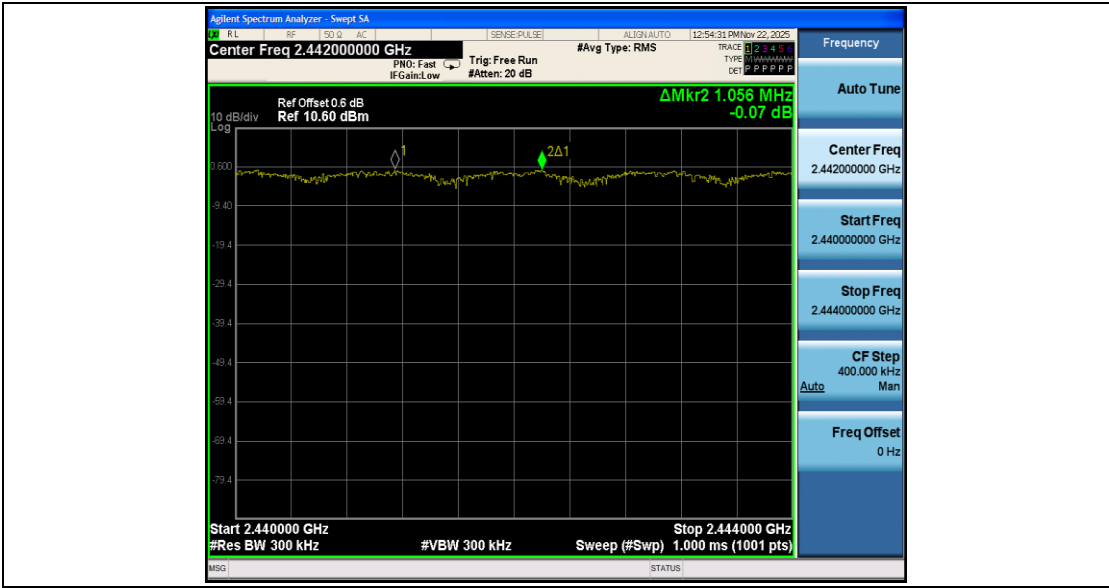
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	≥ 0.954	PASS
2DH5	Ant1	Hop	1.196	≥ 0.888	PASS
3DH5	Ant1	Hop	1.056	≥ 0.884	PASS

Test Graphs



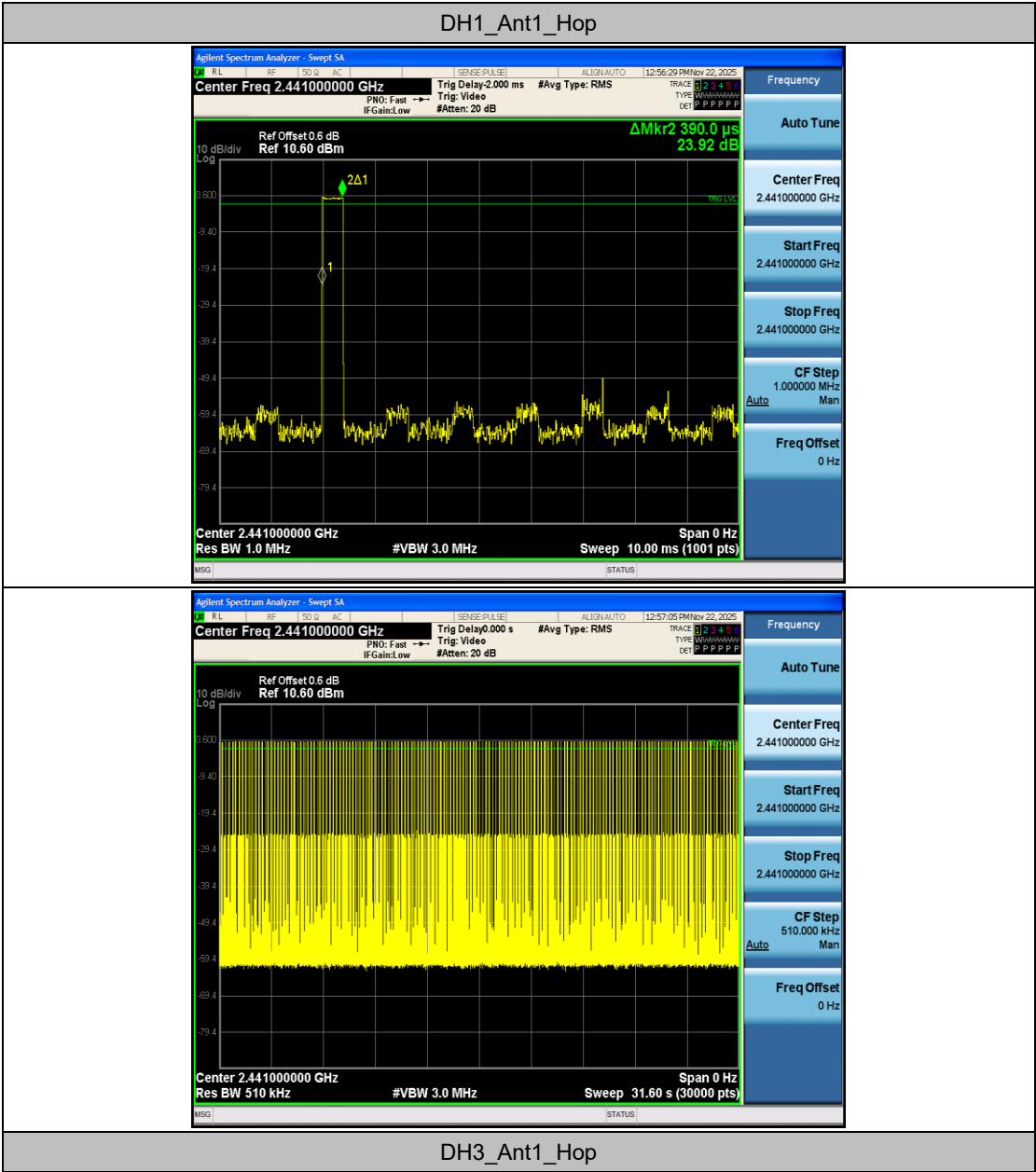


Appendix E: Time of occupancy

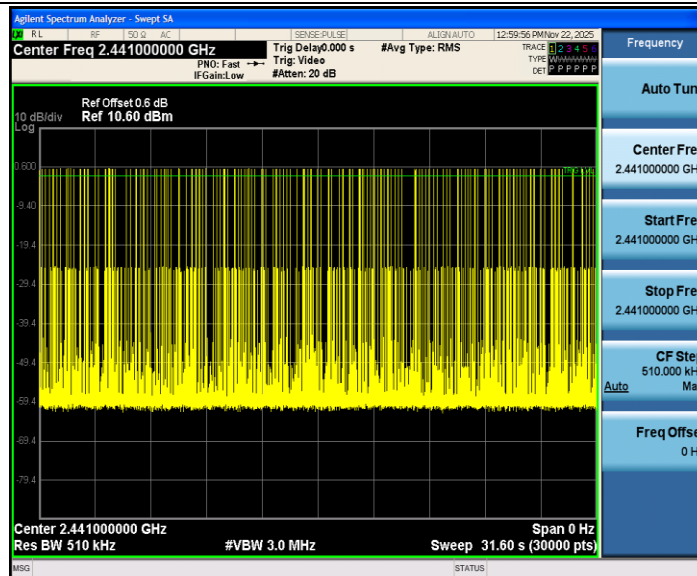
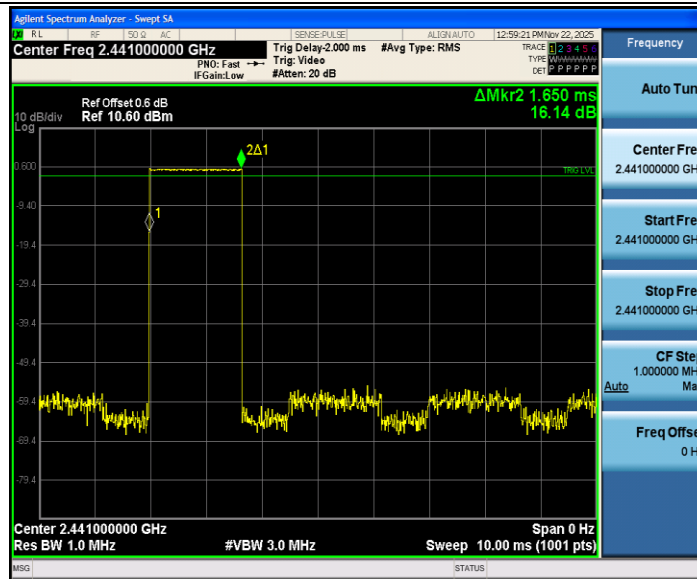
Test Result

TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	317	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.650	166	0.274	≤0.4	PASS
DH5	Ant1	Hop	2.890	106	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.390	316	0.123	≤0.4	PASS
2DH3	Ant1	Hop	1.640	159	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.900	101	0.293	≤0.4	PASS
3DH1	Ant1	Hop	0.390	318	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.640	161	0.264	≤0.4	PASS
3DH5	Ant1	Hop	2.900	110	0.319	≤0.4	PASS

Test Graphs



DH3_Ant1_Hop

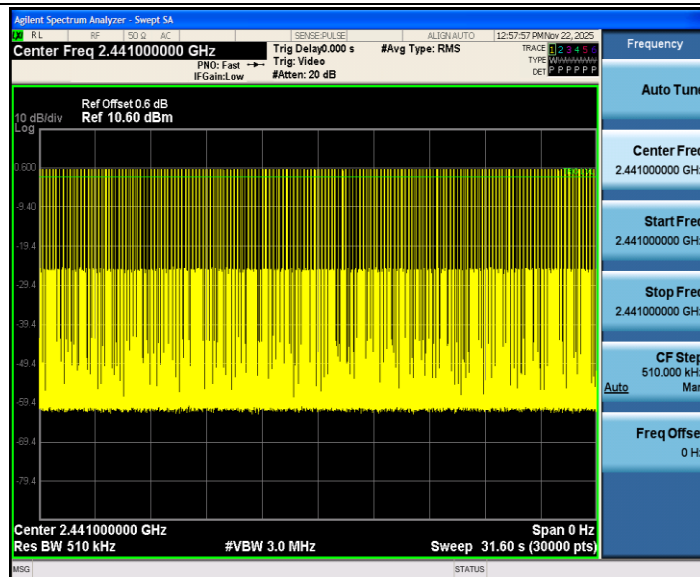
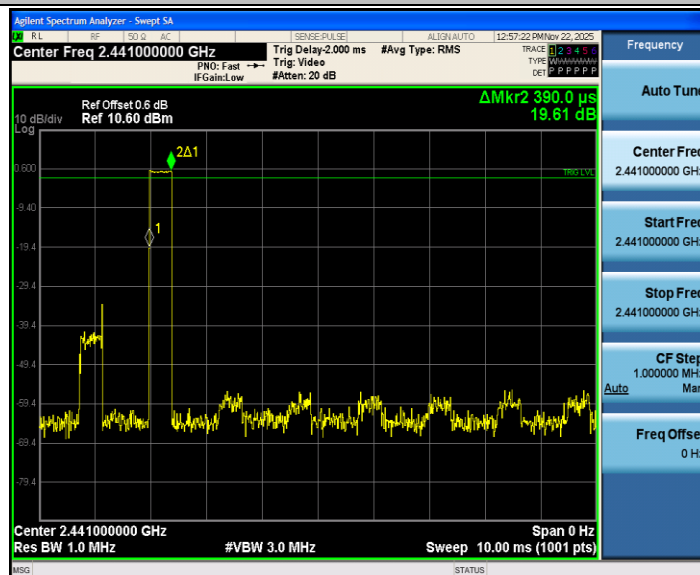


DH5_Ant1_Hop

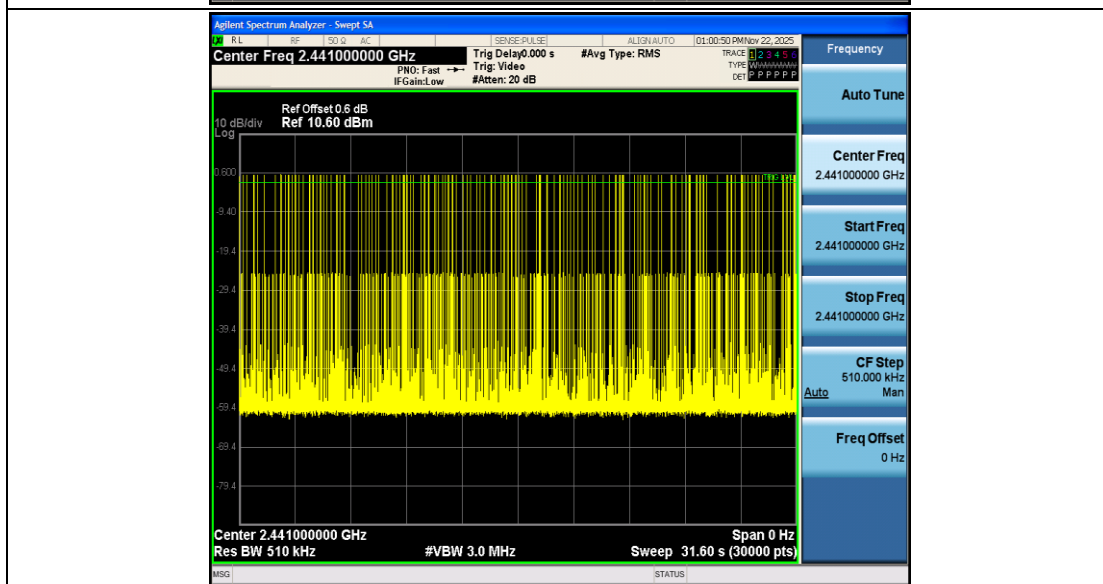




2DH1_Ant1_Hop

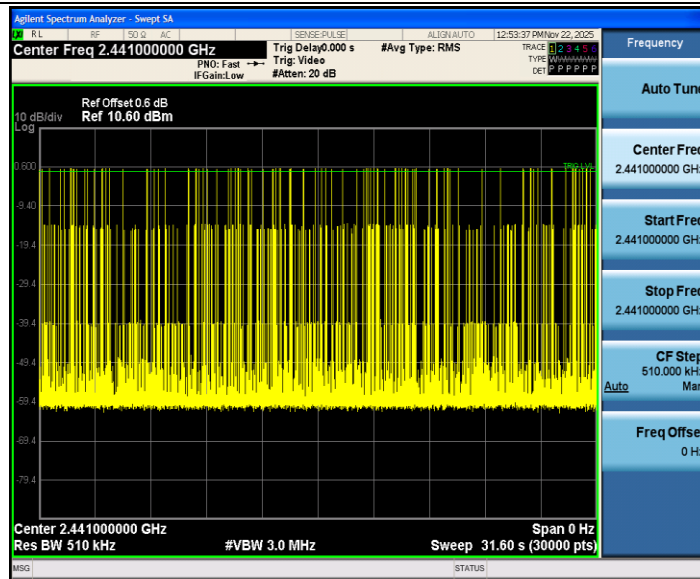


2DH3_Ant1_Hop

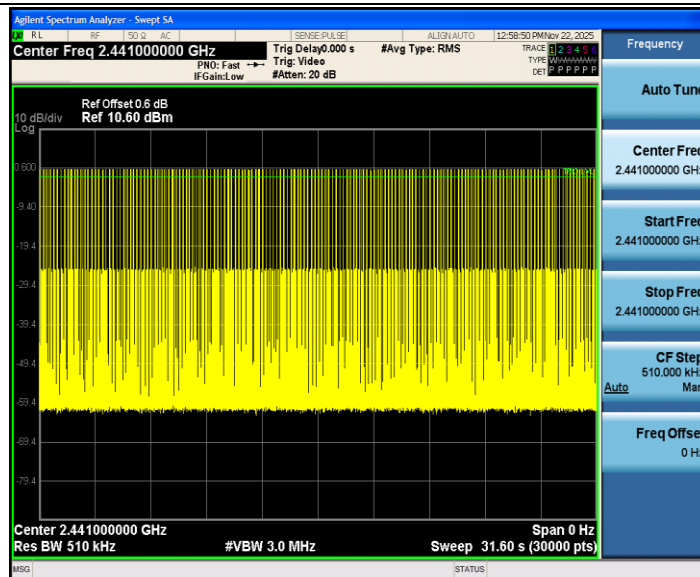
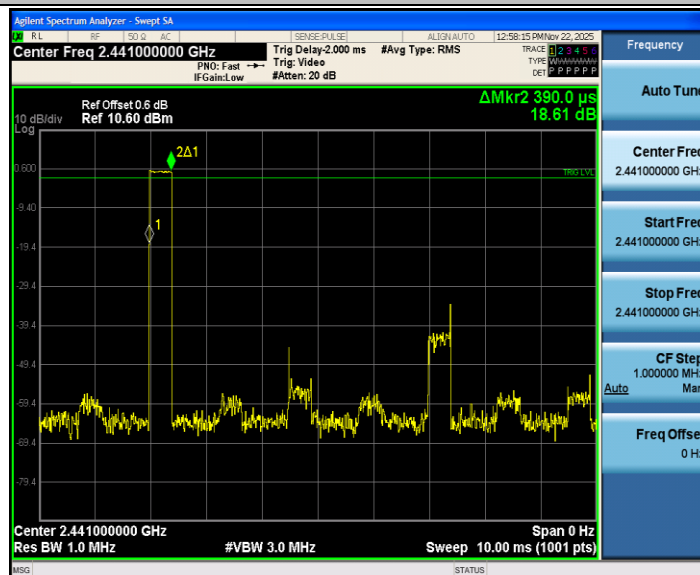


2DH5_Ant1_Hop

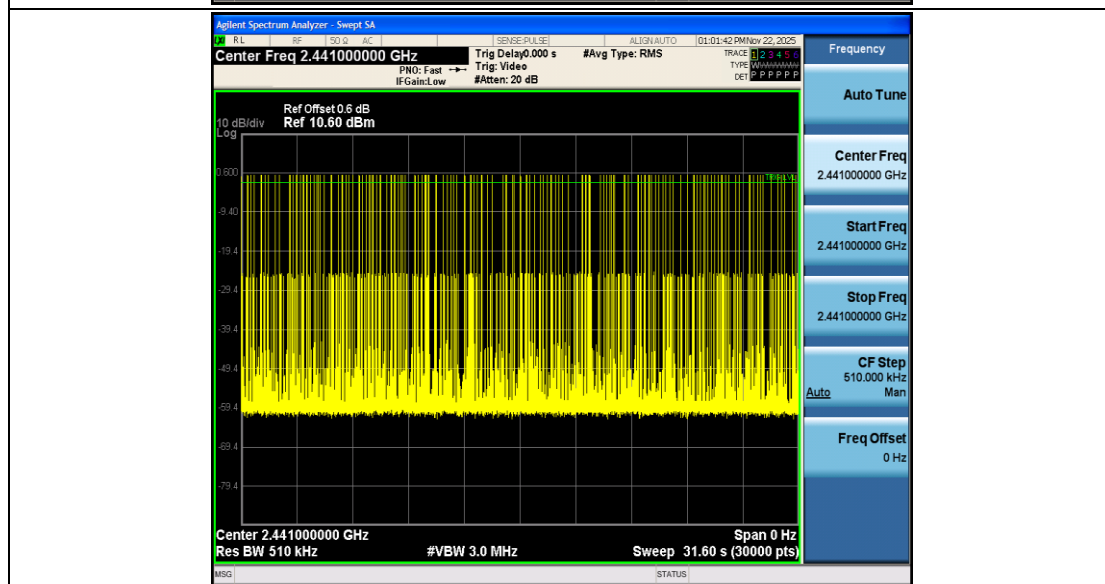
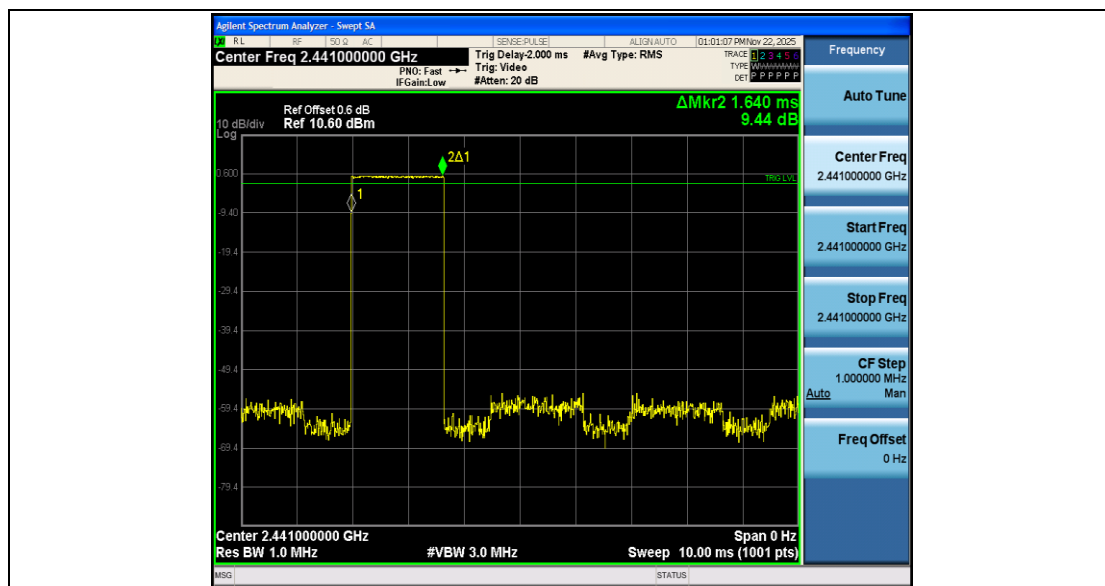




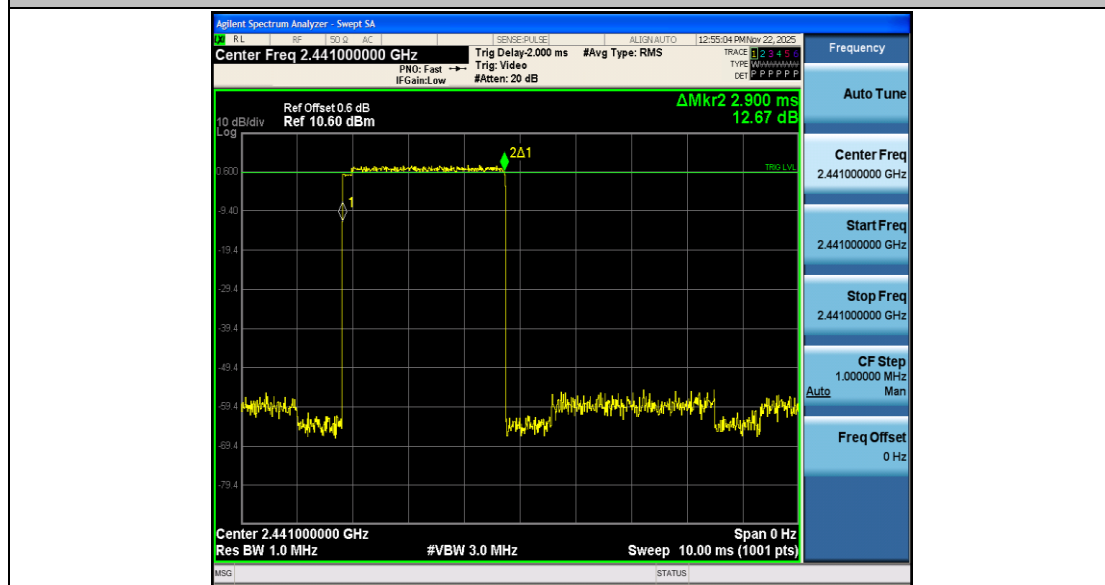
3DH1_Ant1_Hop

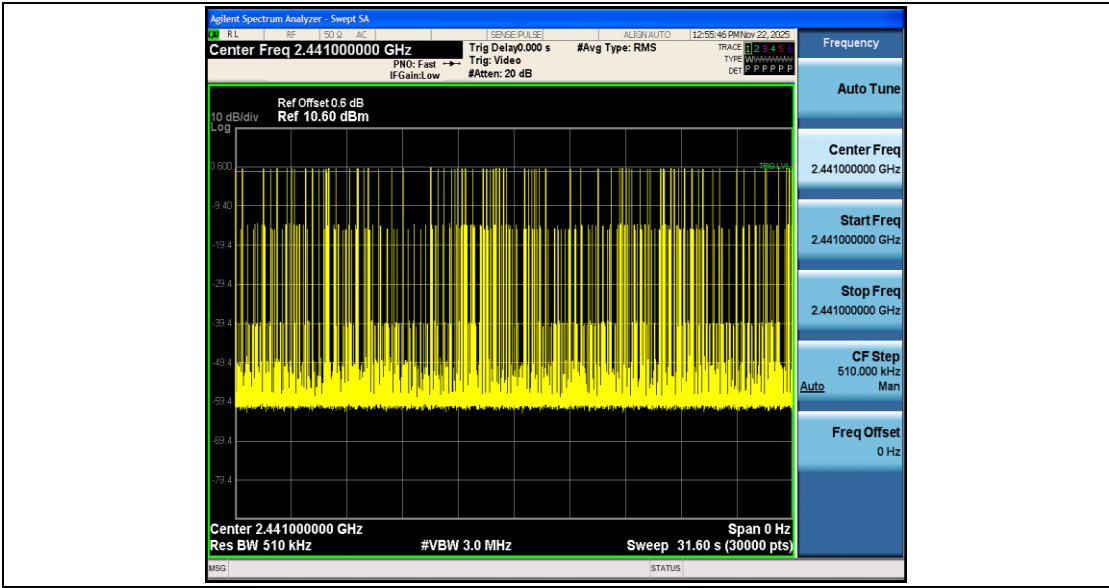


3DH3_Ant1_Hop



3DH5_Ant1_Hop





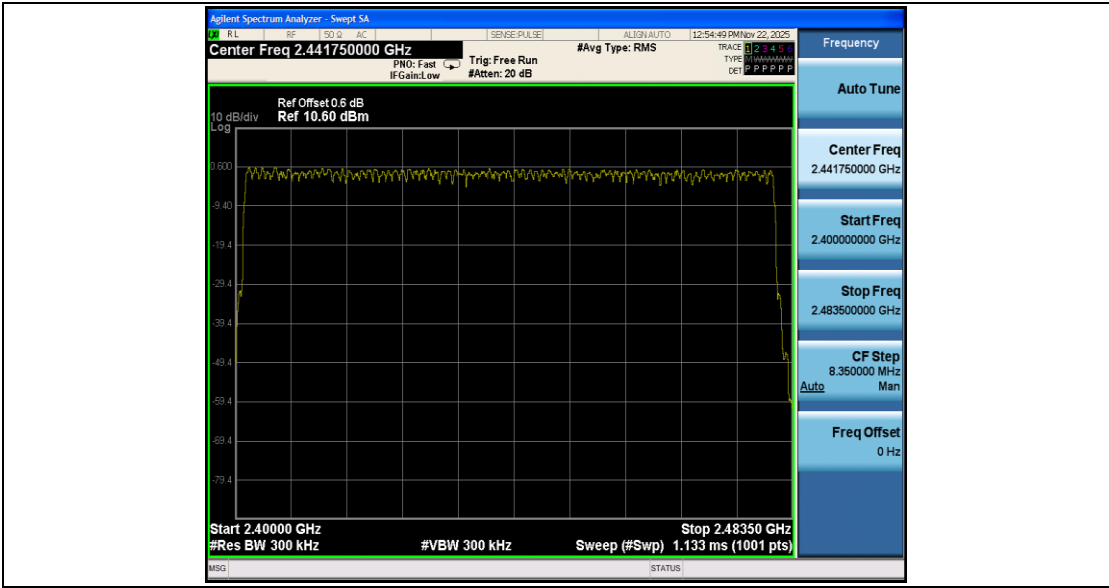
Appendix F: Number of hopping channels

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



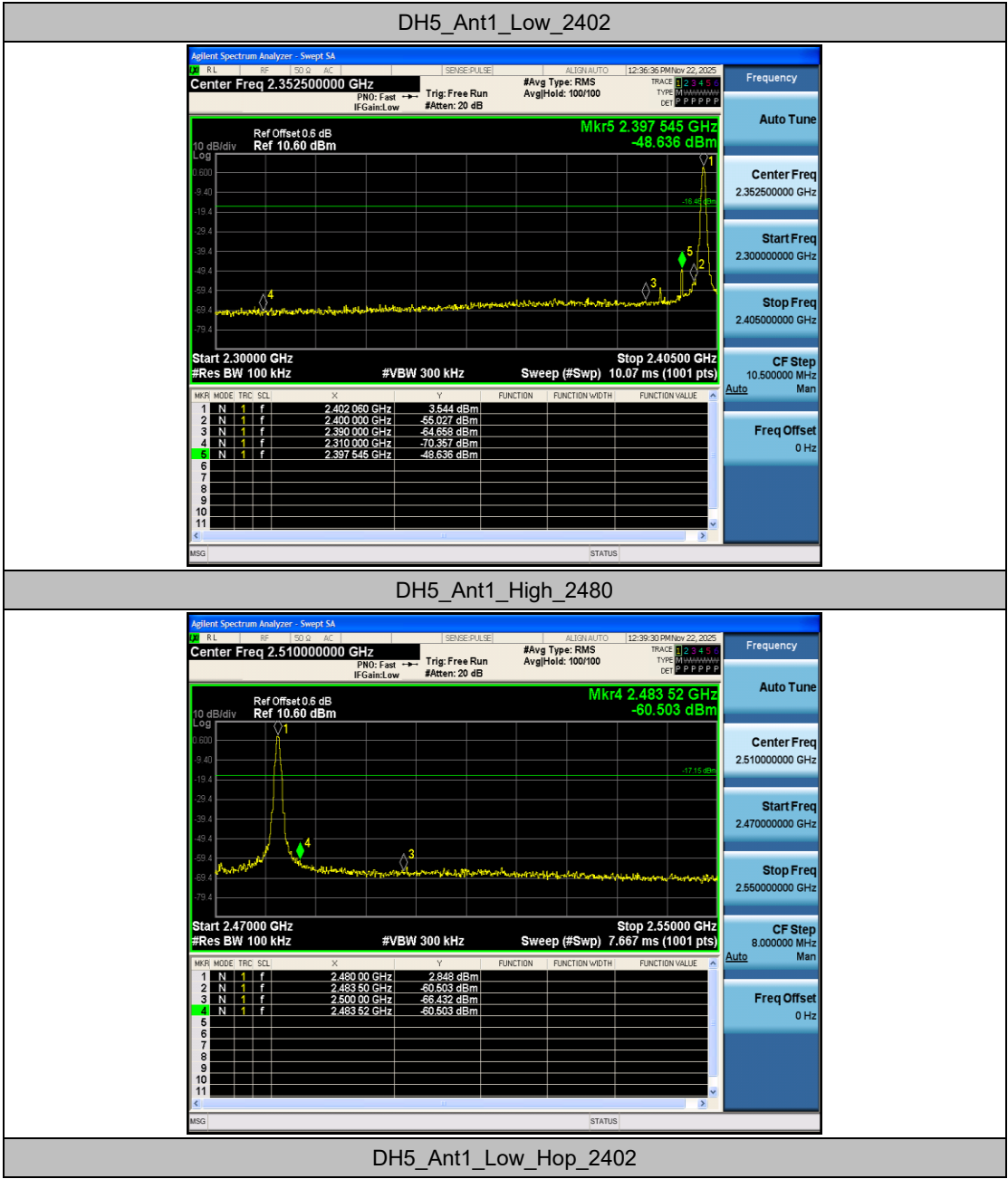


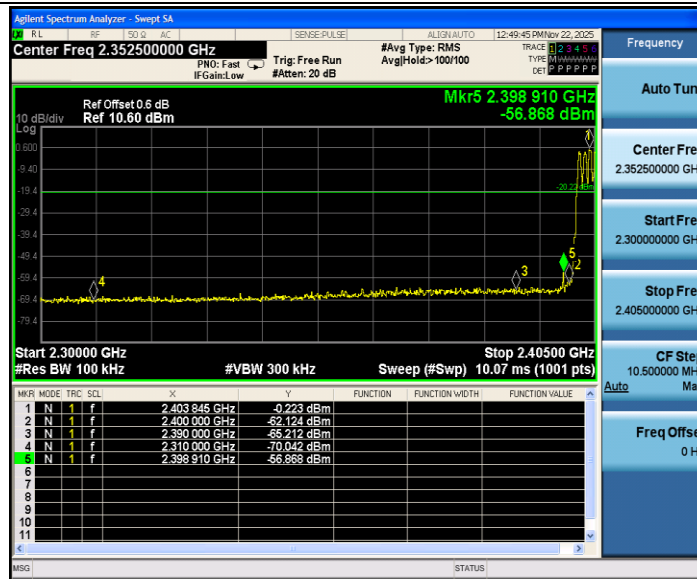
Appendix G: Band edge measurements

Test Result

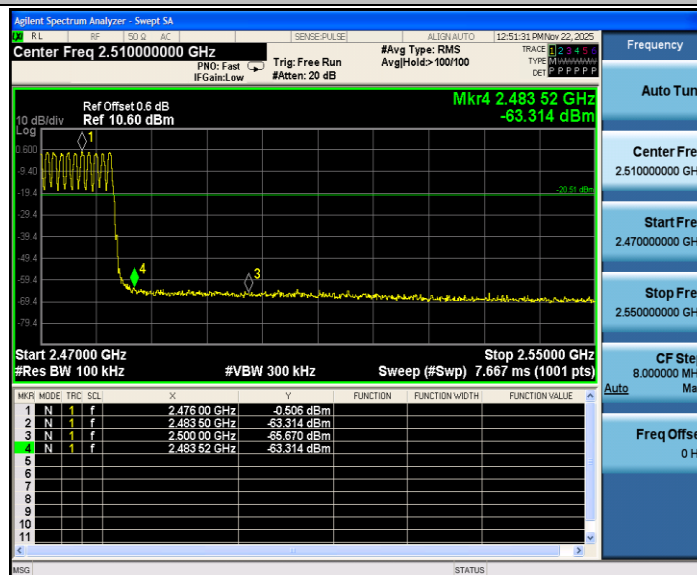
TestMode	Antenna	ChName	Freq(MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	3.54	-48.64	≤-16.46	PASS
		High	2480	2.85	-60.5	≤-17.15	PASS
		Low	Hop_2402	-0.22	-56.87	≤-20.22	PASS
		High	Hop_2480	-0.51	-63.31	≤-20.51	PASS
2DH5	Ant1	Low	2402	-0.64	-50.33	≤-20.64	PASS
		High	2480	-0.53	-54.2	≤-20.53	PASS
		Low	Hop_2402	0.37	-54.07	≤-19.63	PASS
		High	Hop_2480	-0.12	-63.43	≤-20.12	PASS
3DH5	Ant1	Low	2402	-0.92	-49.76	≤-20.92	PASS
		High	2480	-1.38	-52.86	≤-21.38	PASS
		Low	Hop_2402	-2.92	-54.55	≤-22.92	PASS
		High	Hop_2480	-1.64	-63.42	≤-21.64	PASS

Test Graphs

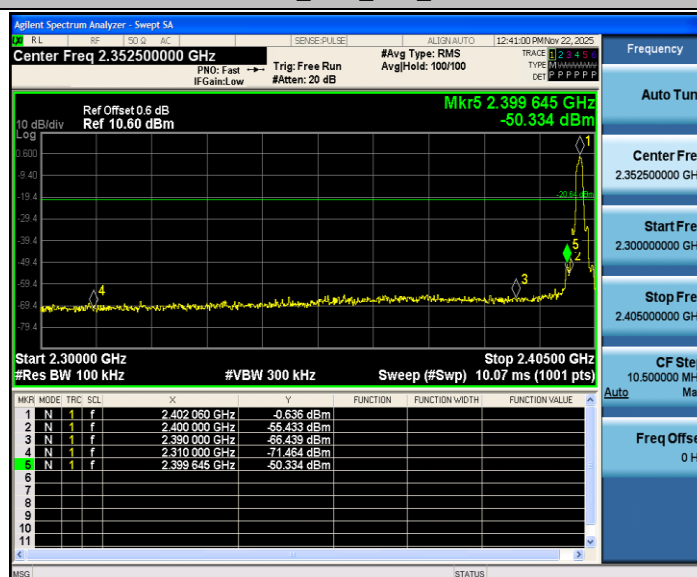




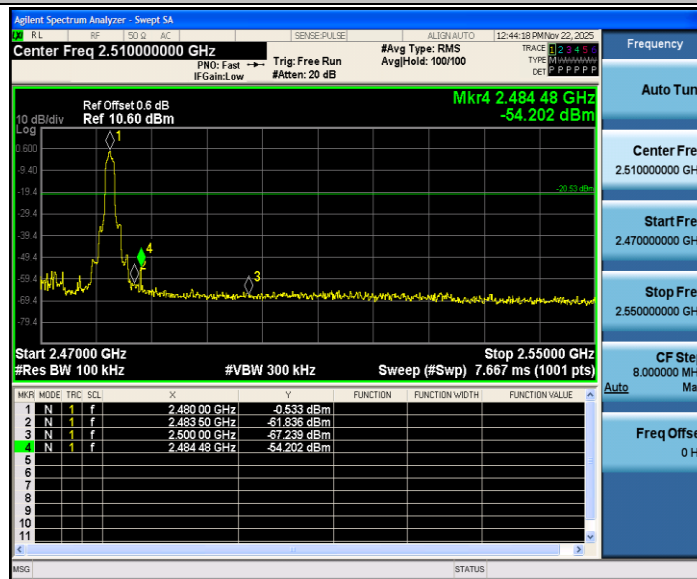
DH5_Ant1_High_Hop_2480



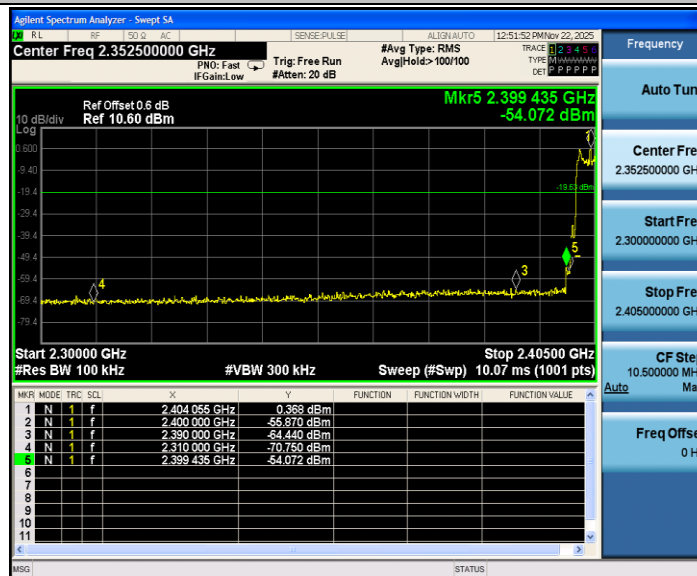
2DH5_Ant1_Low_2402



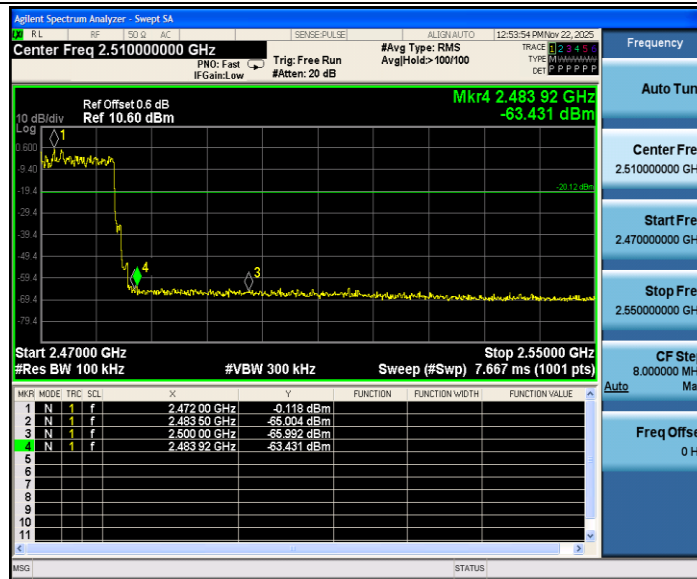
2DH5_Ant1_High_2480



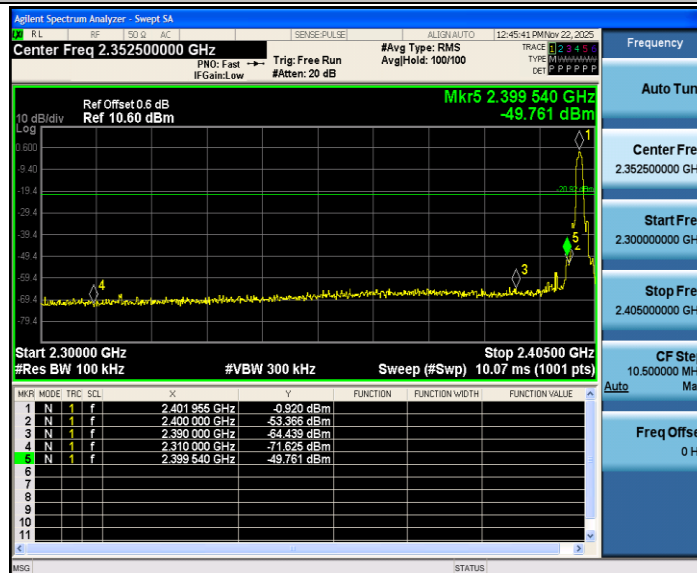
2DH5_Ant1_Low_Hop_2402



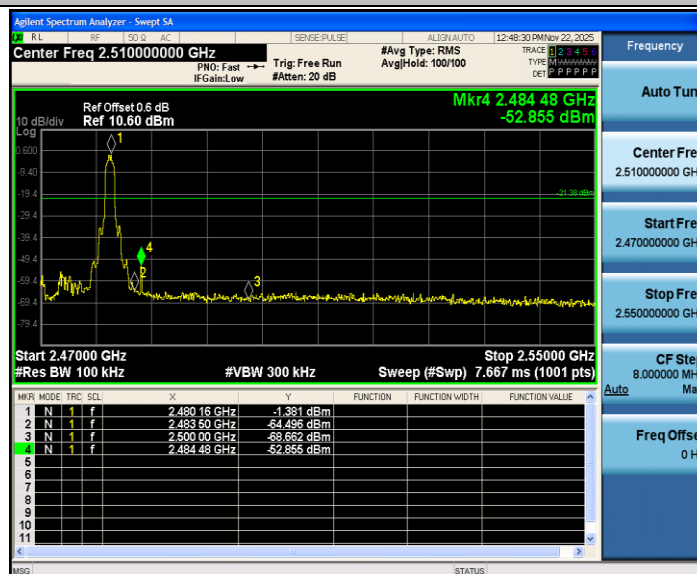
2DH5_Ant1_High_Hop_2480



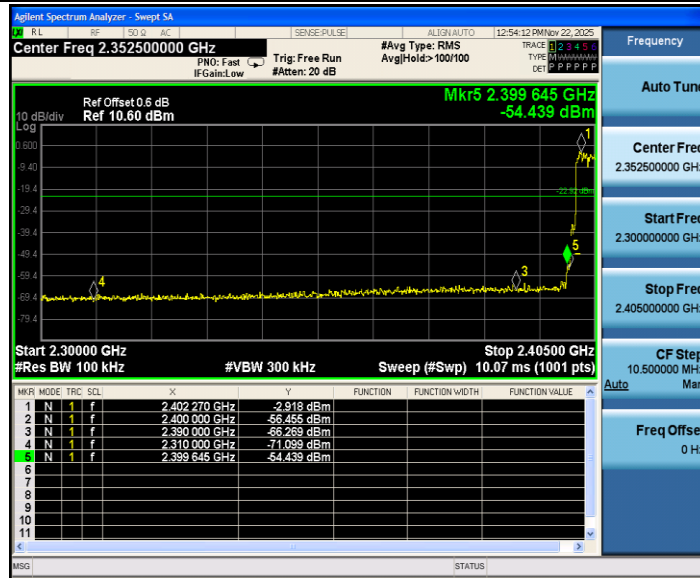
3DH5_Ant1_Low_2402



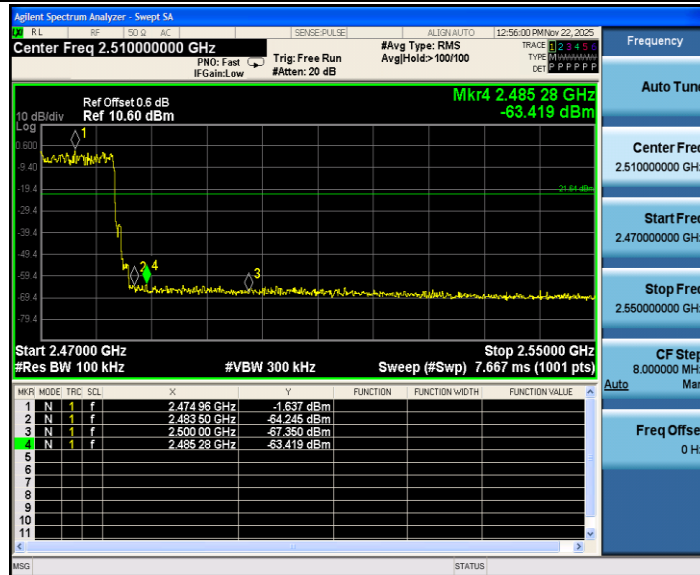
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

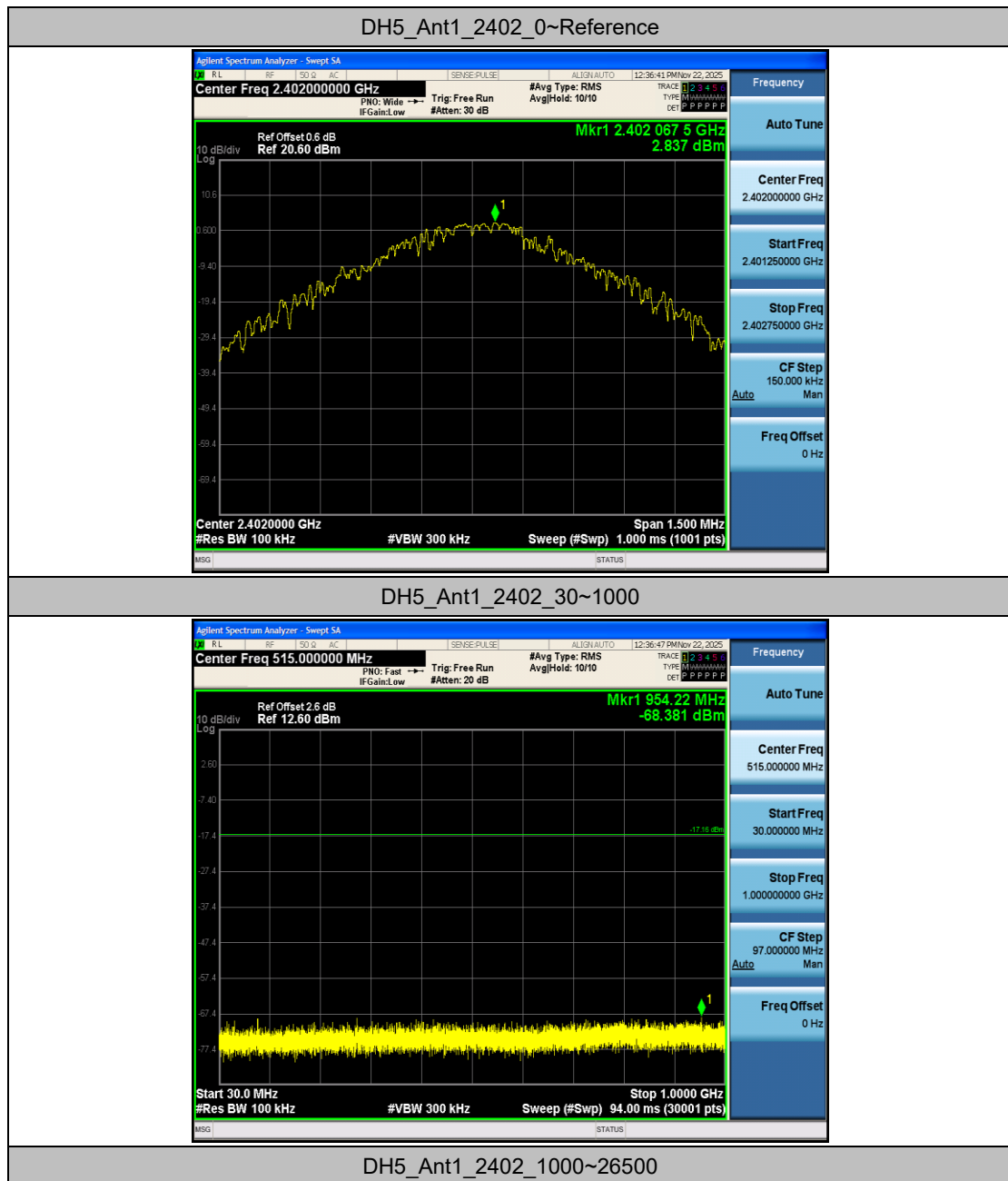


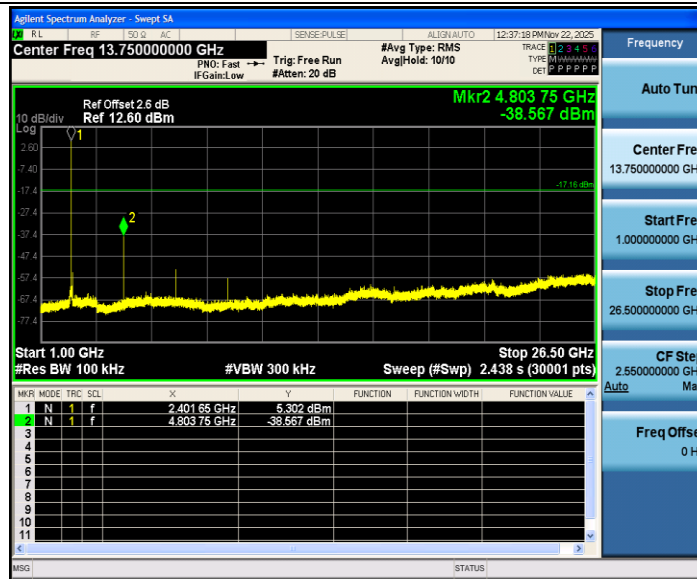
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	2.84	2.84	---	PASS
			30~1000	2.84	-68.38	≤-17.16	PASS
			1000~26500	2.84	-38.57	≤-17.16	PASS
		2441	Reference	2.34	2.34	---	PASS
			30~1000	2.34	-59.57	≤-17.66	PASS
			1000~26500	2.34	-38.2	≤-17.66	PASS
		2480	Reference	2.86	2.86	---	PASS
			30~1000	2.86	-25.38	≤-17.14	PASS
			1000~26500	2.86	-38.64	≤-17.14	PASS
2DH5	Ant1	2402	Reference	-1.72	-1.72	---	PASS
			30~1000	-1.72	-60.98	≤-21.72	PASS
			1000~26500	-1.72	-43.29	≤-21.72	PASS
		2441	Reference	-2.64	-2.64	---	PASS
			30~1000	-2.64	-39.28	≤-22.64	PASS
			1000~26500	-2.64	-45.02	≤-22.64	PASS
		2480	Reference	-2.23	-2.23	---	PASS
			30~1000	-2.23	-62.58	≤-22.23	PASS
			1000~26500	-2.23	-43.68	≤-22.23	PASS
3DH5	Ant1	2402	Reference	-1.47	-1.47	---	PASS
			30~1000	-1.47	-58.07	≤-21.47	PASS
			1000~26500	-1.47	-43.64	≤-21.47	PASS
		2441	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-64.14	≤-20.56	PASS
			1000~26500	-0.56	-42.24	≤-20.56	PASS
		2480	Reference	-1.51	-1.51	---	PASS
			30~1000	-1.51	-58.81	≤-21.51	PASS
			1000~26500	-1.51	-43.45	≤-21.51	PASS

Test Graphs





DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

