

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

Product Name: 4K Set Top Box

Trade Mark: Homatics

Test Model: SN6BKHA

FCC ID: 2AOVU-SN6BKHA

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

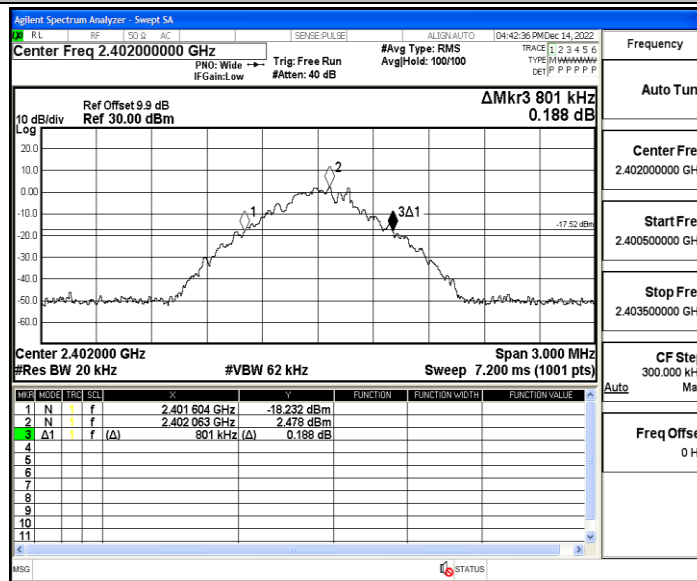
Appendix A: 20dB Emission Bandwidth

Test Result

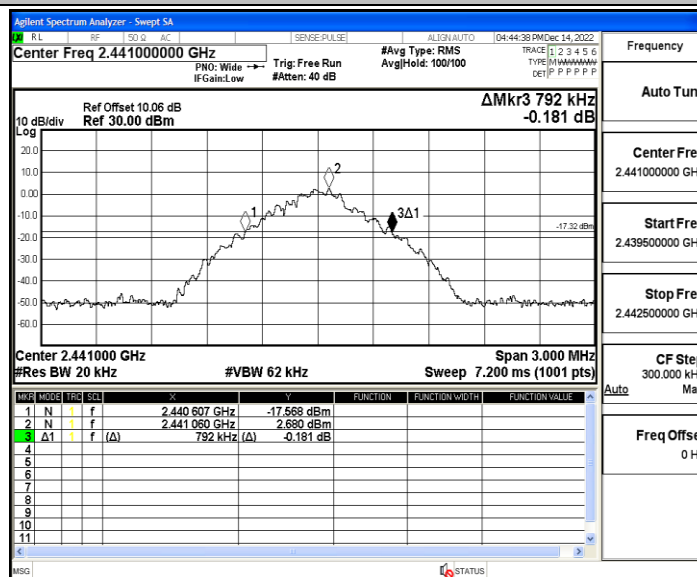
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant3	2402	0.801	2401.604	2402.405	---	---
		2441	0.792	2440.607	2441.399	---	---
		2480	0.798	2479.607	2480.405	---	---
2DH5	Ant3	2402	1.209	2401.400	2402.609	---	---
		2441	1.260	2440.373	2441.633	---	---
		2480	1.248	2479.379	2480.627	---	---
3DH5	Ant3	2402	1.251	2401.367	2402.618	---	---
		2441	1.269	2440.358	2441.627	---	---
		2480	1.305	2479.349	2480.654	---	---

Test Graphs

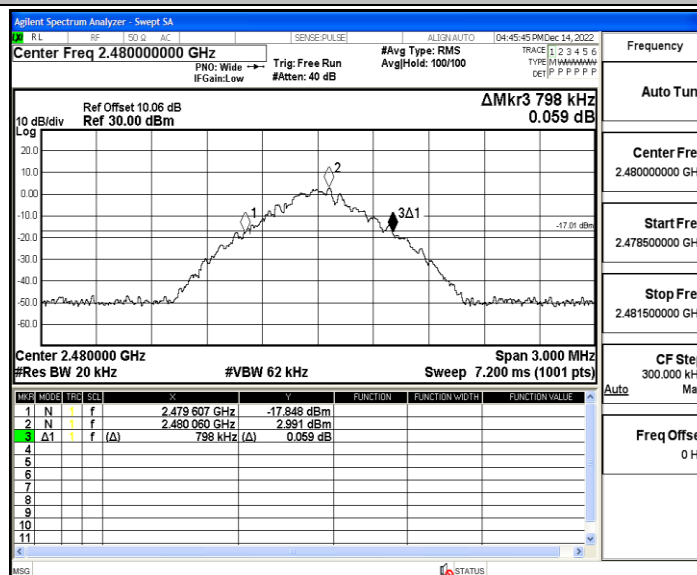
DH5_Ant3_2402



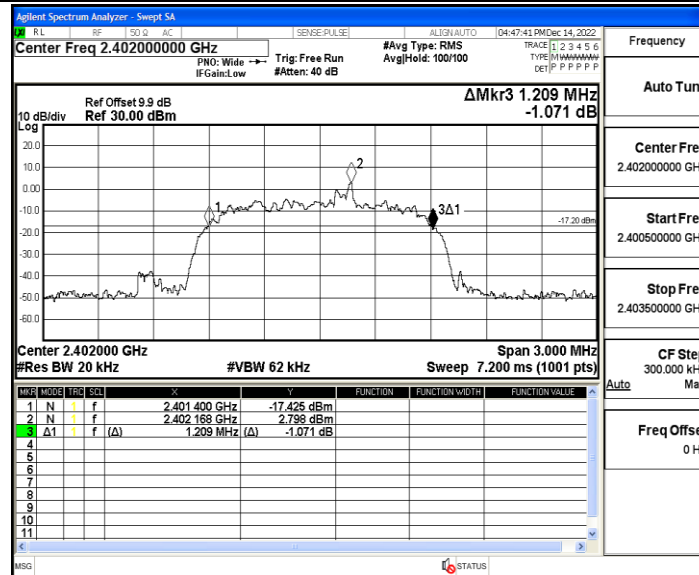
DH5_Ant3_2441



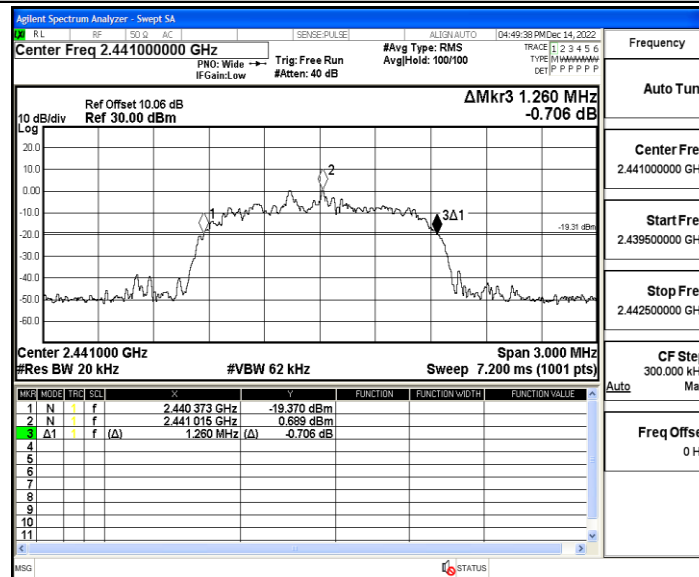
DH5_Ant3_2480



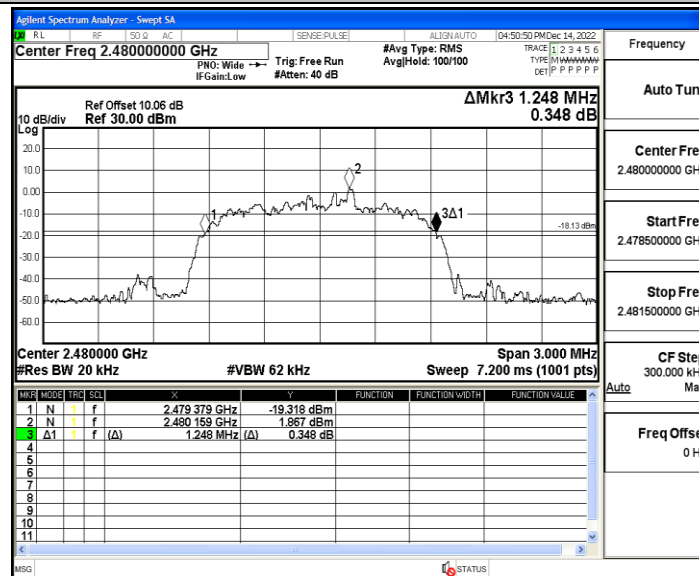
2DH5_Ant3_2402



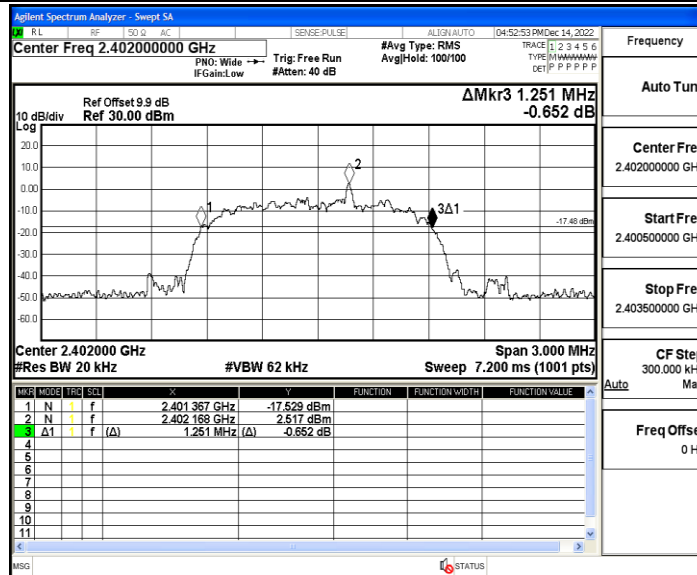
2DH5_Ant3_2441



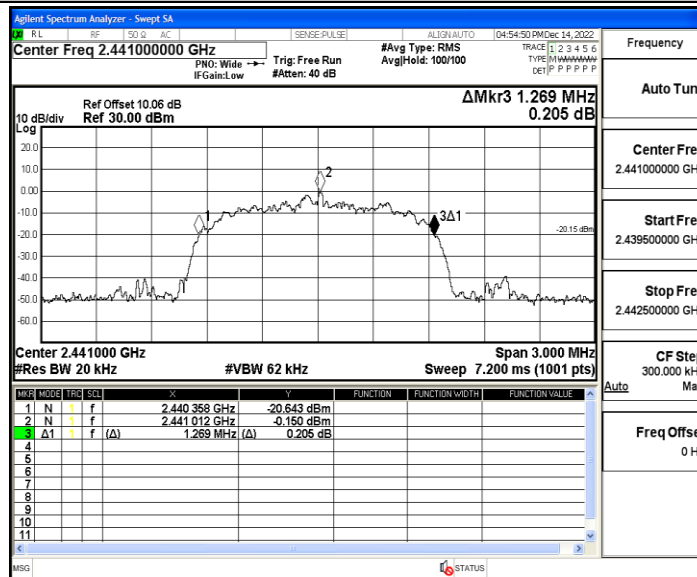
2DH5_Ant3_2480



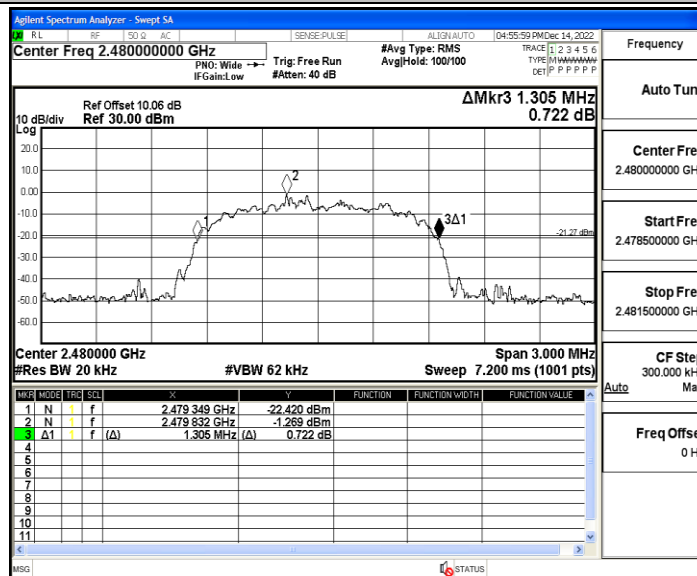
3DH5_Ant3_2402



3DH5_Ant3_2441



3DH5_Ant3_2480



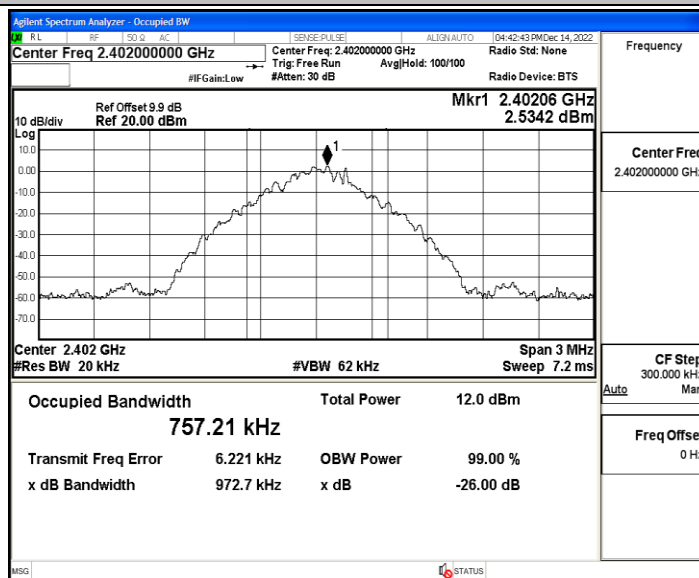
Appendix B: Occupied Channel Bandwidth

Test Result

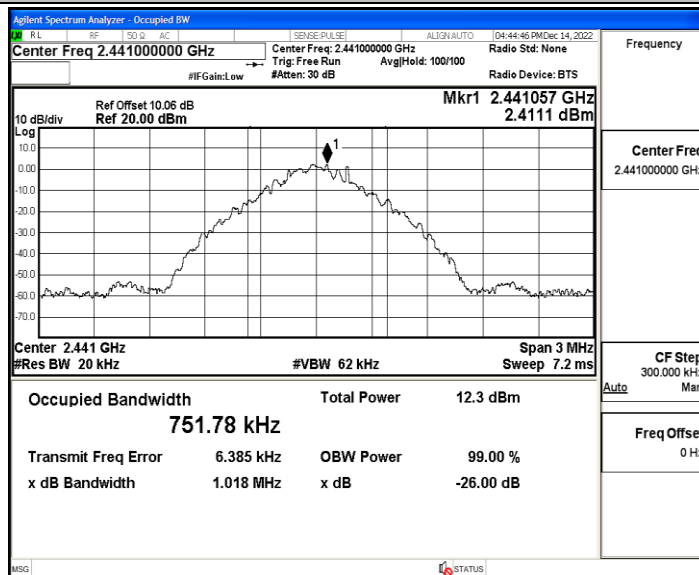
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant3	2402	0.75721	2401.6276	2402.3848	---	---
		2441	0.75178	2440.6305	2441.3823	---	---
		2480	0.75033	2479.6304	2480.3807	---	---
2DH5	Ant3	2402	1.1661	2401.4174	2402.5835	---	---
		2441	1.1666	2440.4162	2441.5828	---	---
		2480	1.1588	2479.4204	2480.5792	---	---
3DH5	Ant3	2402	1.1656	2401.4195	2402.5851	---	---
		2441	1.1694	2440.4147	2441.5841	---	---
		2480	1.1783	2479.4091	2480.5874	---	---

Test Graphs

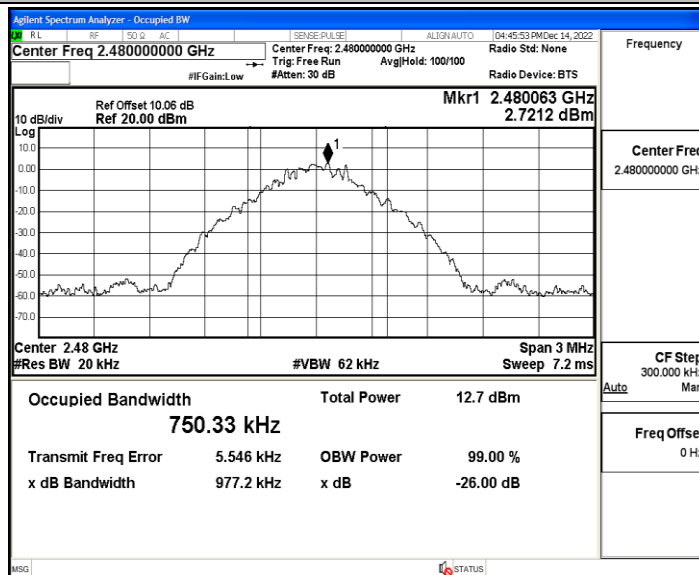
DH5_Ant3_2402



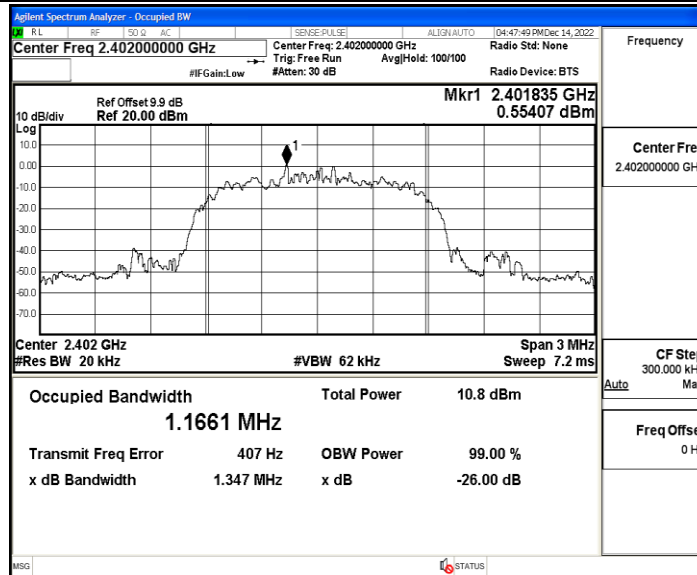
DH5_Ant3_2441



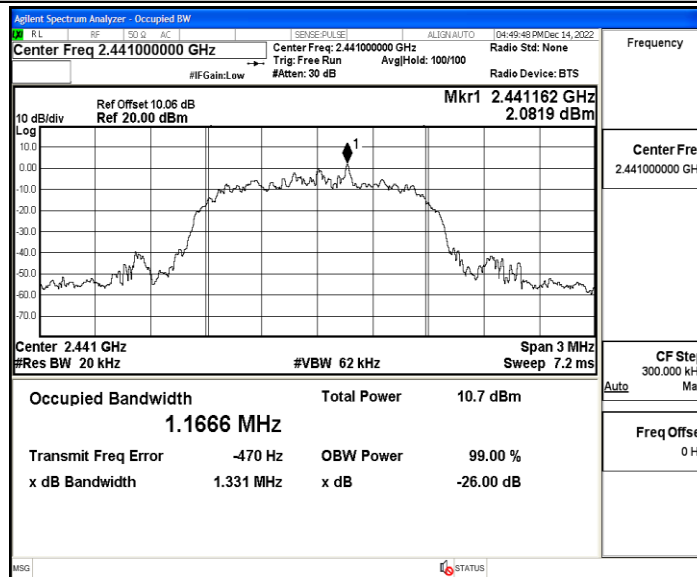
DH5_Ant3_2480



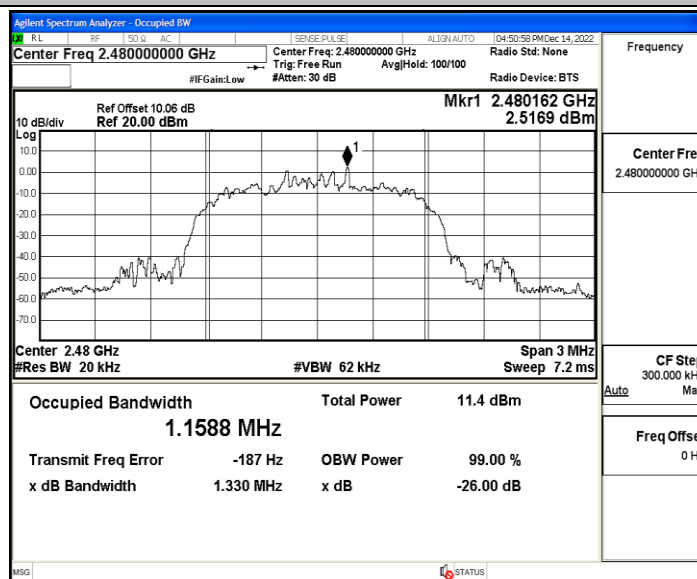
2DH5_Ant3_2402



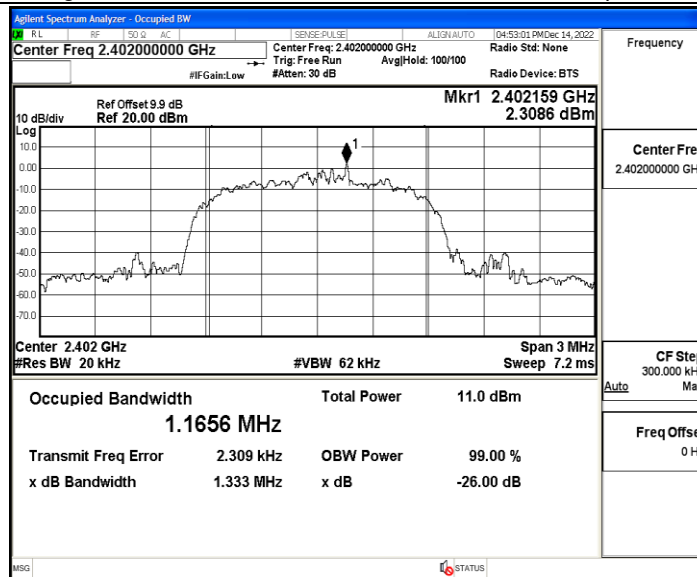
2DH5_Ant3_2441



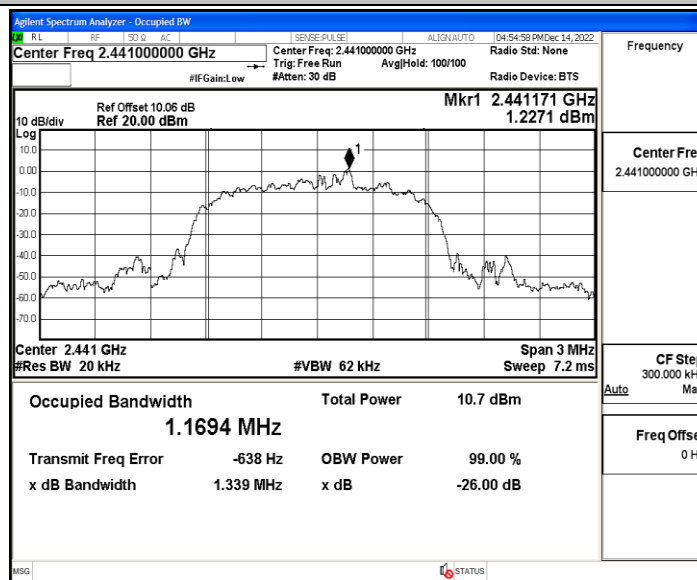
2DH5_Ant3_2480



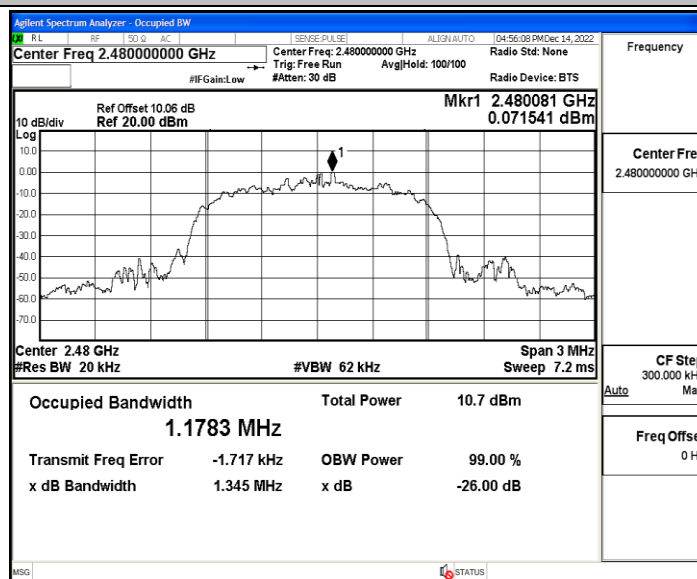
3DH5_Ant3_2402



3DH5_Ant3_2441



3DH5_Ant3_2480



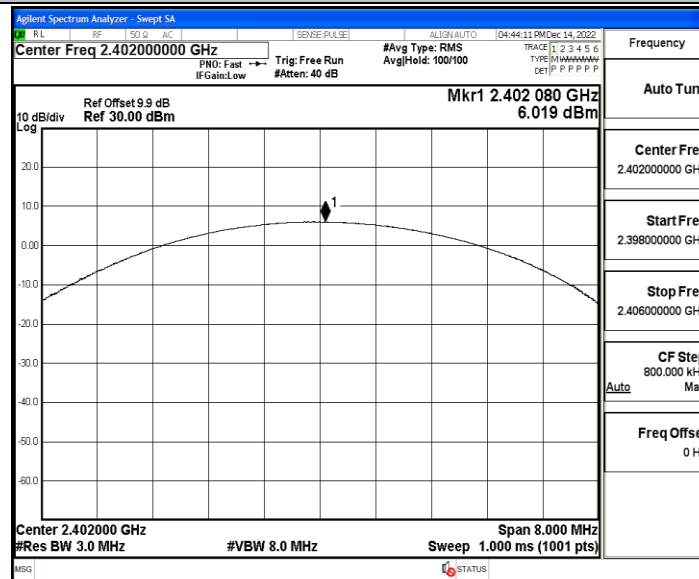
Appendix C: Maximum Peak conducted output power

Test Result

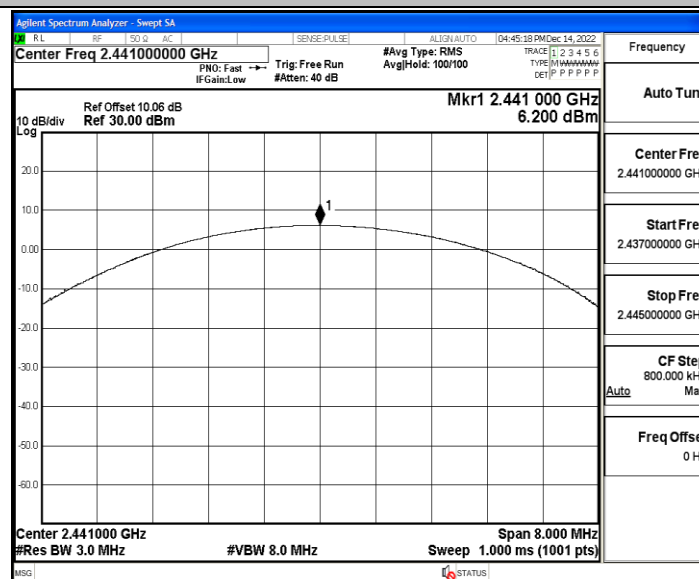
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant3	2402	6.02	≤30.00	PASS
		2441	6.2	≤30.00	PASS
		2480	6.43	≤30.00	PASS
2DH5	Ant3	2402	6.32	≤20.97	PASS
		2441	5.97	≤20.97	PASS
		2480	6.26	≤20.97	PASS
3DH5	Ant3	2402	6.49	≤20.97	PASS
		2441	6.13	≤20.97	PASS
		2480	6.35	≤20.97	PASS

Test Graphs

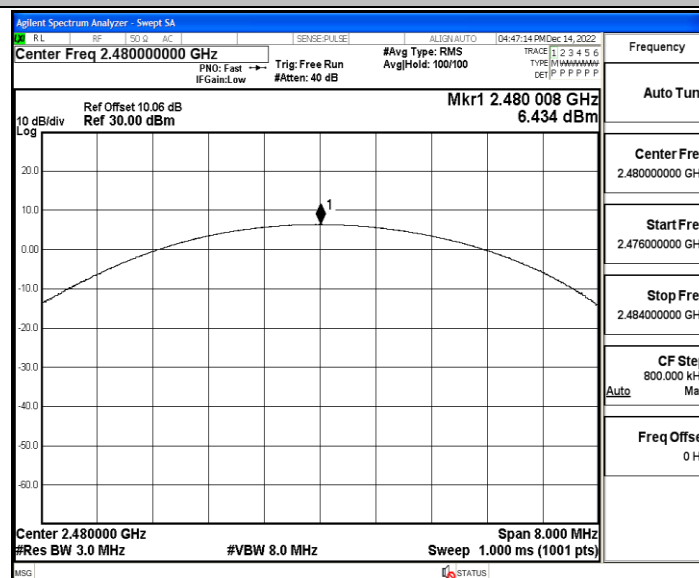
DH5_Ant3_2402



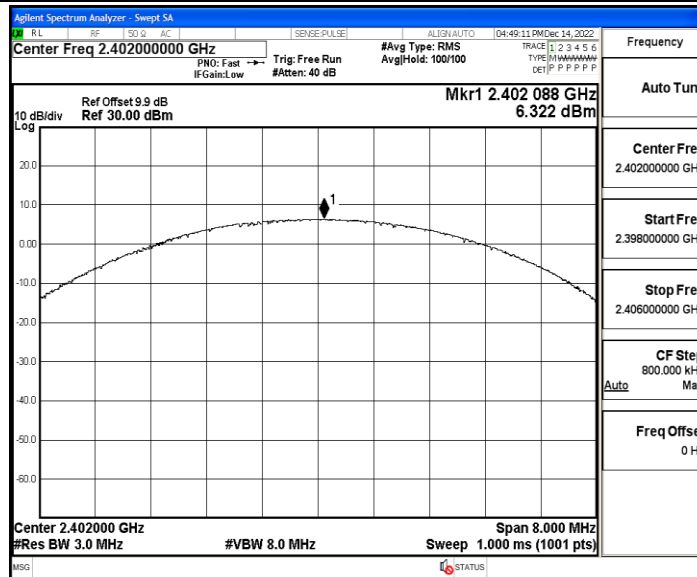
DH5_Ant3_2441



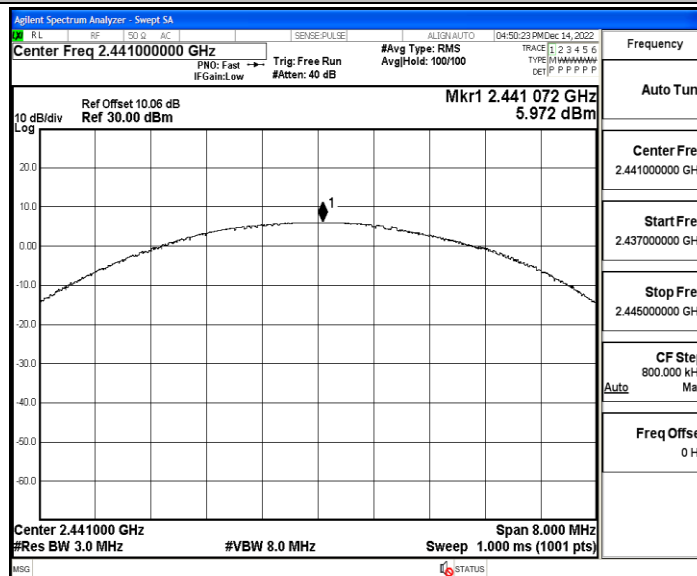
DH5_Ant3_2480



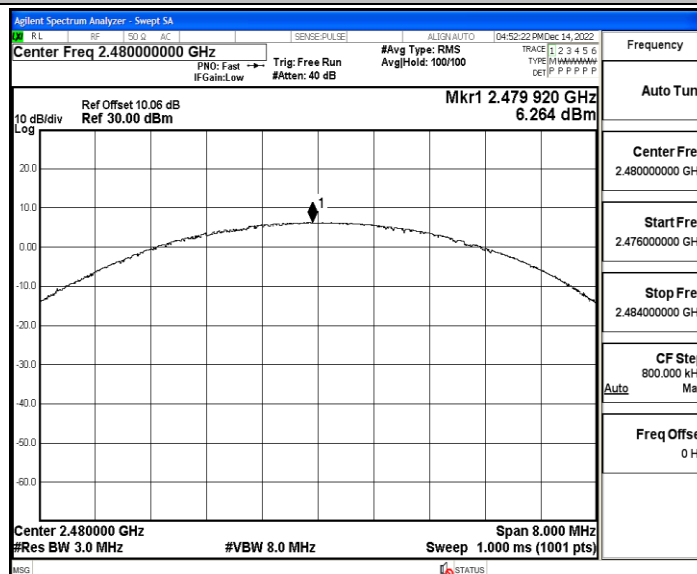
2DH5_Ant3_2402



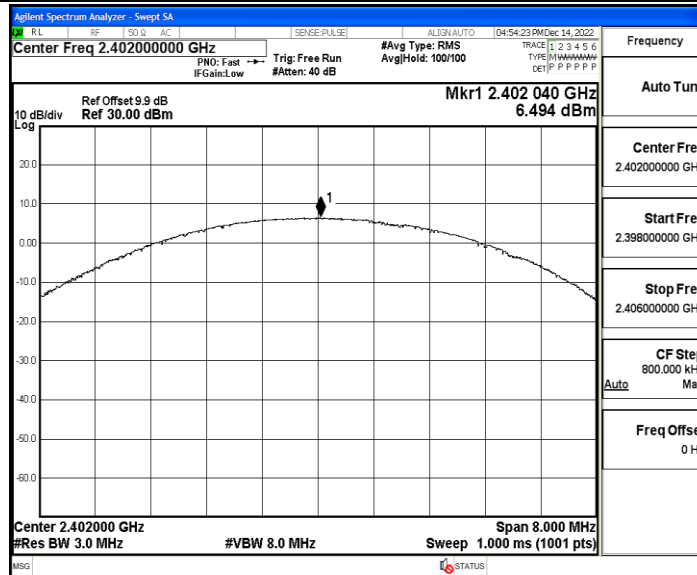
2DH5_Ant3_2441



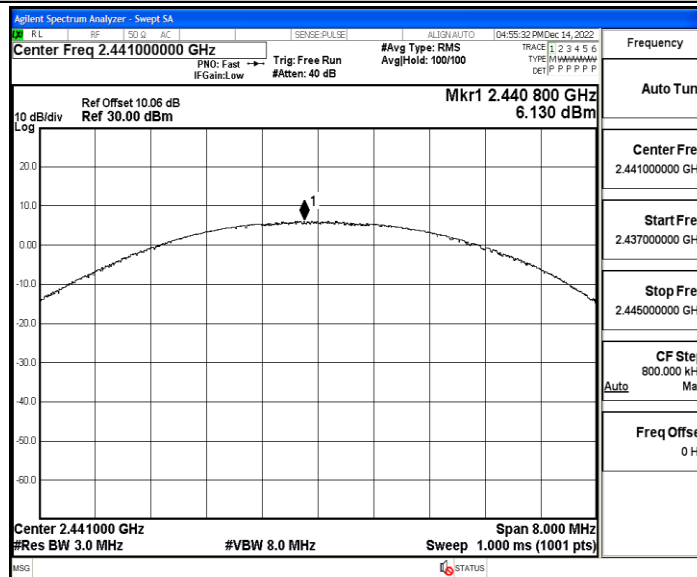
2DH5_Ant3_2480



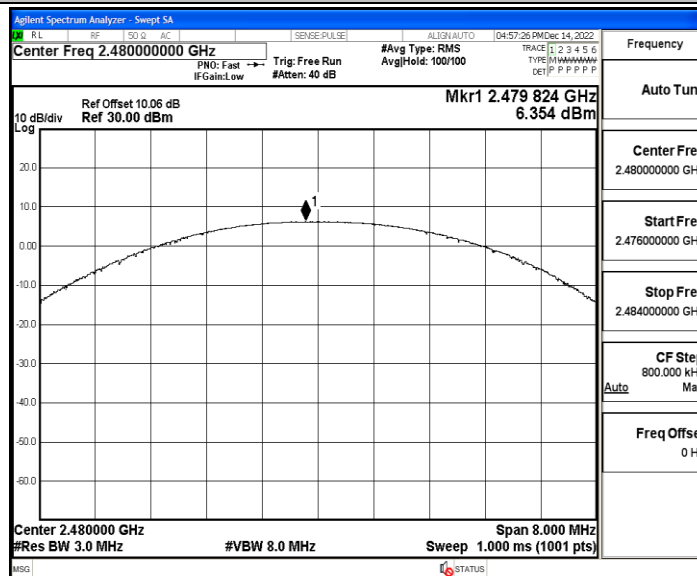
3DH5_Ant3_2402



3DH5_Ant3_2441



3DH5_Ant3_2480

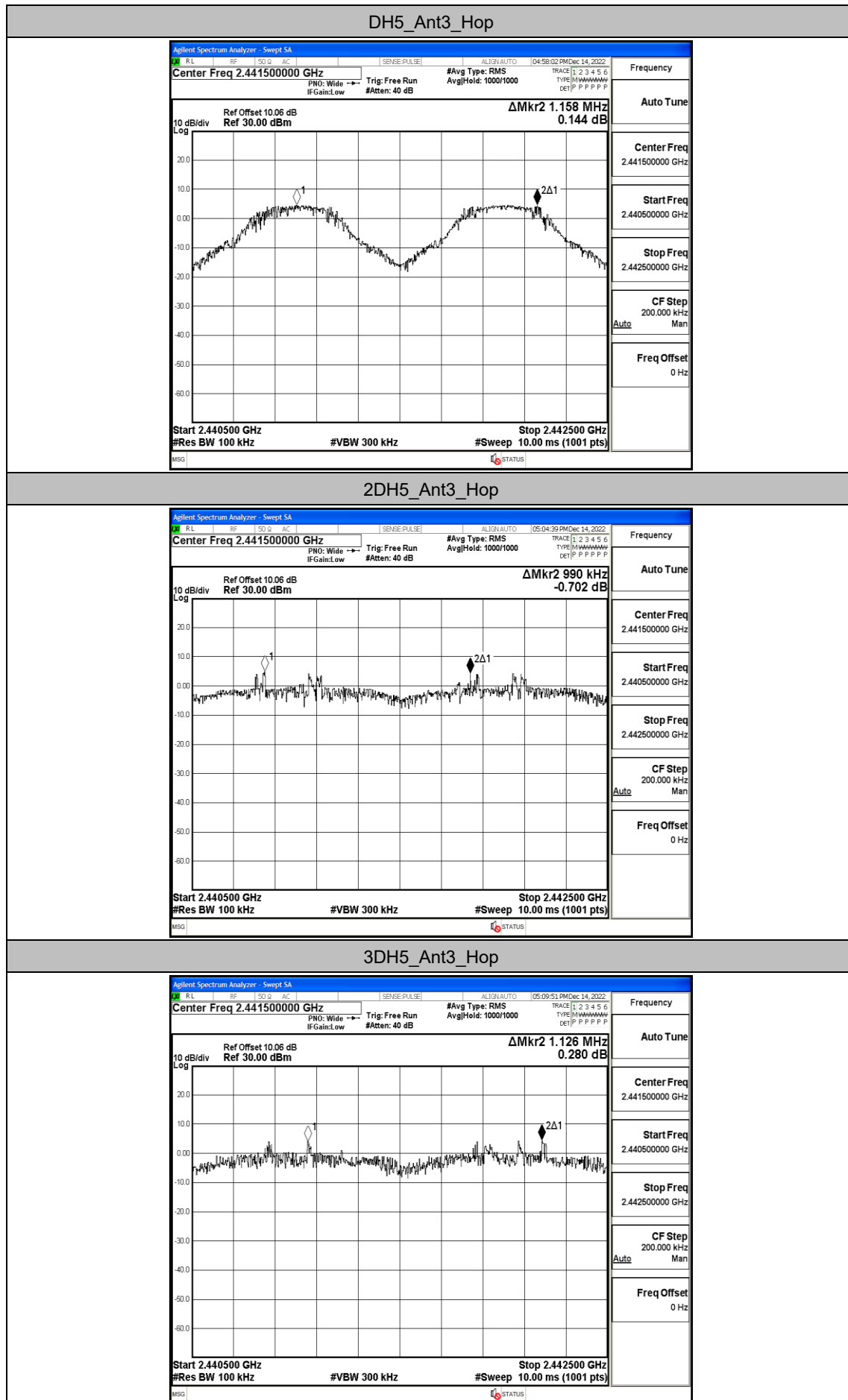


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant3	Hop	1.158	≥ 0.801	PASS
2DH5	Ant3	Hop	0.99	≥ 0.840	PASS
3DH5	Ant3	Hop	1.126	≥ 0.870	PASS

Test Graphs

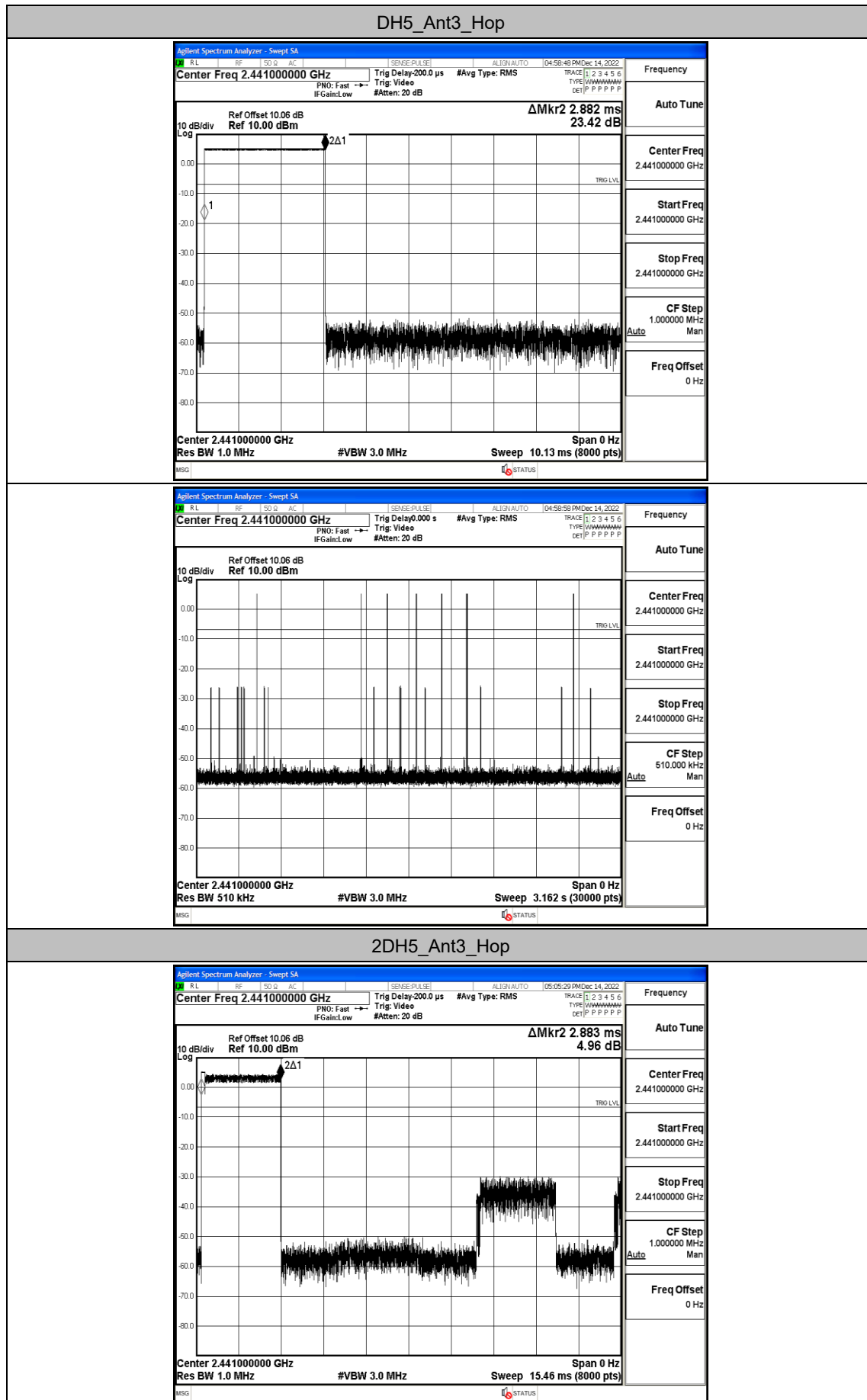


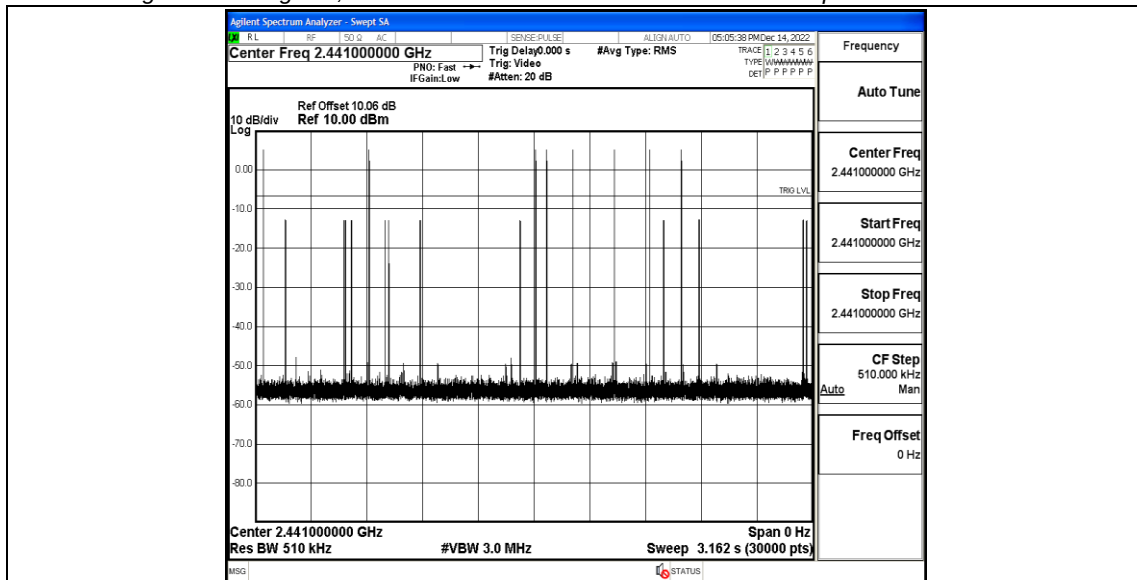
Appendix E: Time of occupancy

Test Result

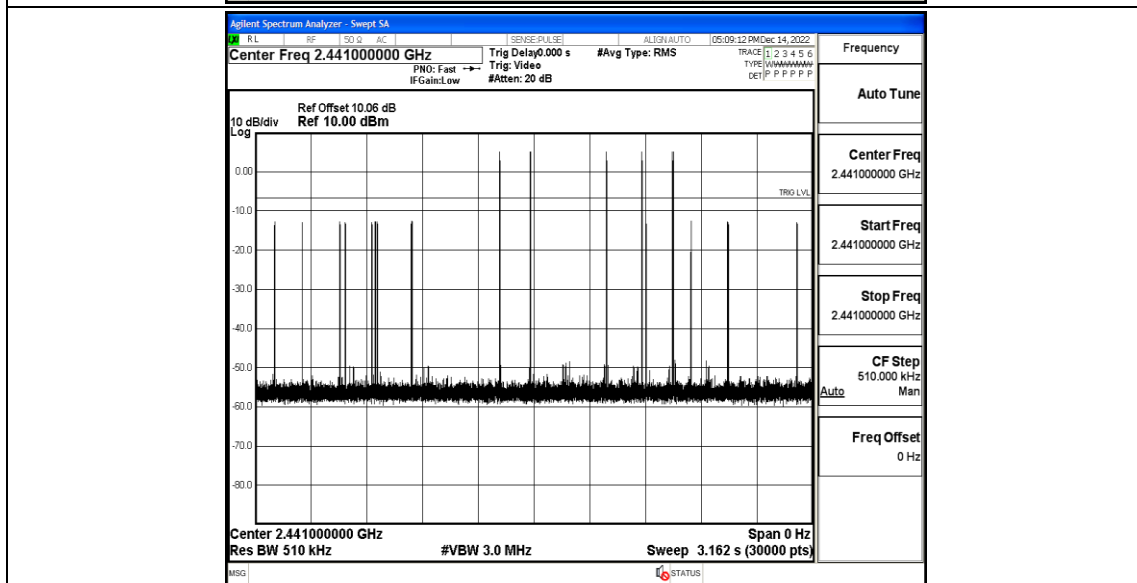
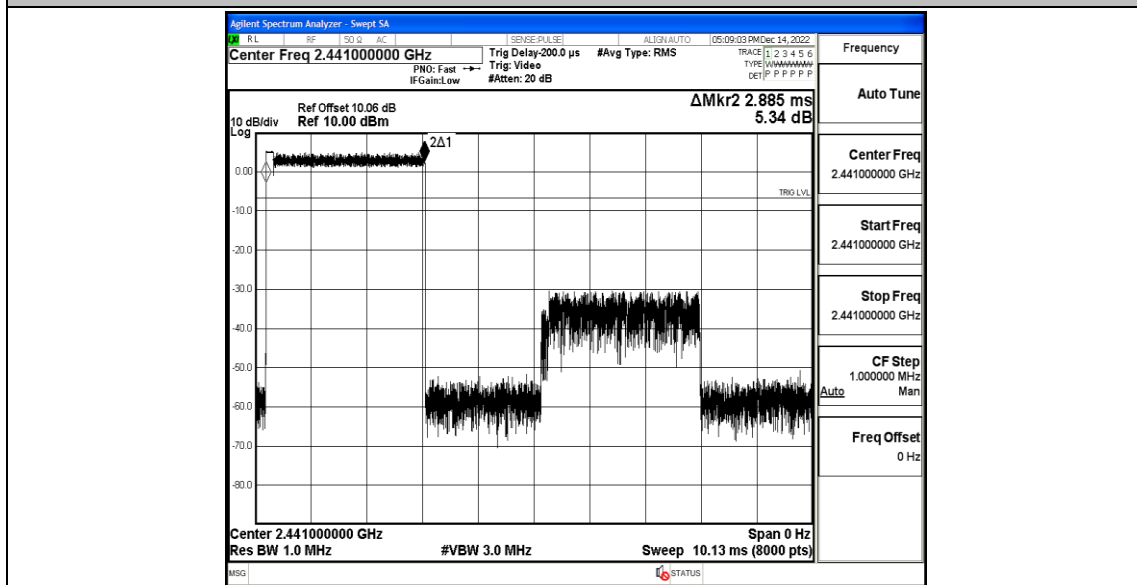
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant3	Hop	2.882	90	0.259	≤0.4	PASS
2DH5	Ant3	Hop	2.883	90	0.259	≤0.4	PASS
3DH5	Ant3	Hop	2.885	80	0.231	≤0.4	PASS

Test Graphs





3DH5_Ant3_Hop

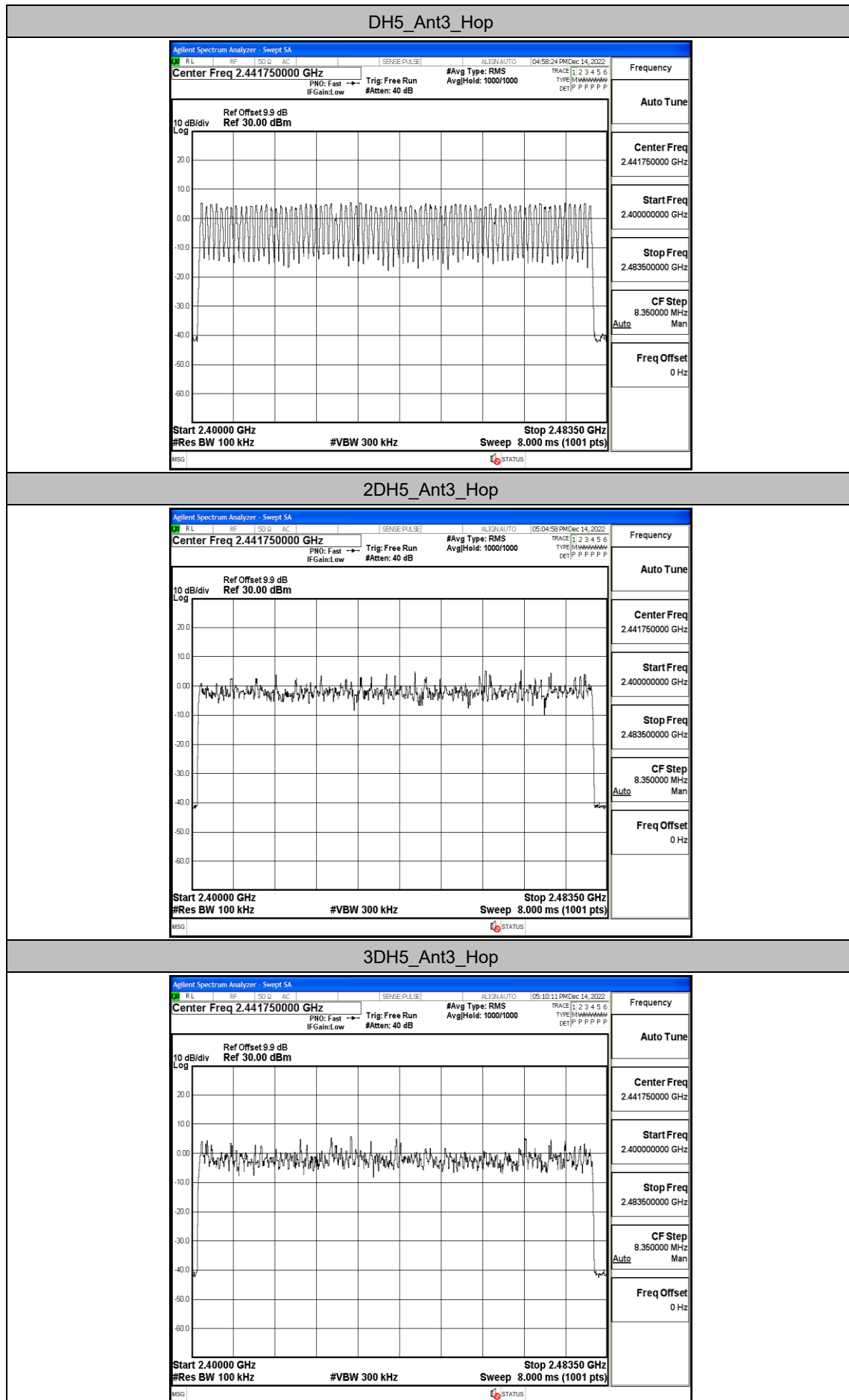


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant3	Hop	79	≥15	PASS
2DH5	Ant3	Hop	79	≥15	PASS
3DH5	Ant3	Hop	79	≥15	PASS

Test Graphs



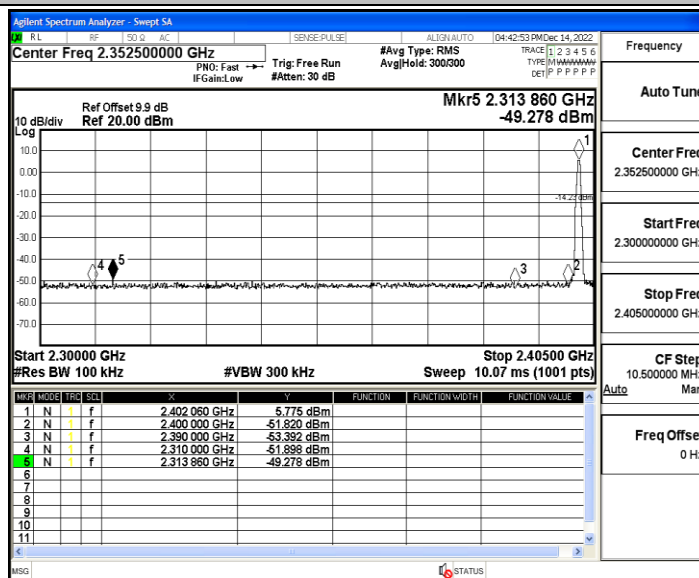
Appendix G: Band edge measurements

Test Result

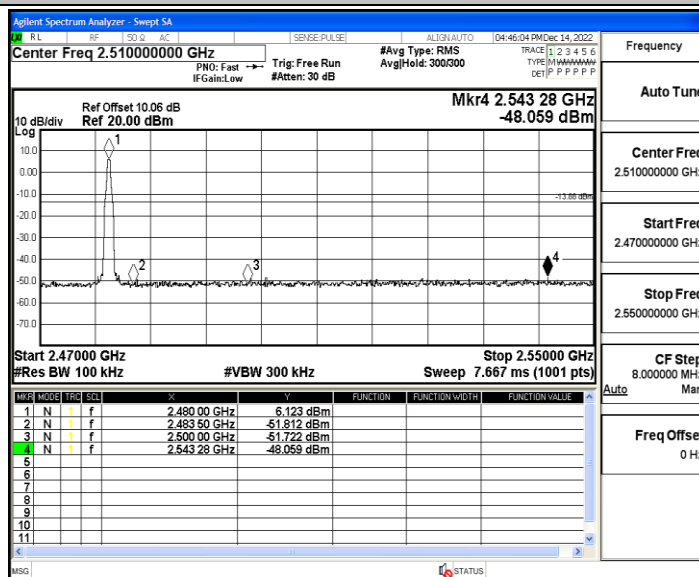
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant3	Low	2402	5.78	-49.28	≤ -14.23	PASS
		High	2480	6.12	-48.06	≤ -13.88	PASS
		Low	Hop_2402	5.08	-49.6	≤ -14.92	PASS
		High	Hop_2480	6.05	-48.42	≤ -13.95	PASS
2DH5	Ant3	Low	2402	6.19	-49	≤ -13.81	PASS
		High	2480	4.56	-48.79	≤ -15.44	PASS
		Low	Hop_2402	0.04	-49.73	≤ -19.96	PASS
		High	Hop_2480	5.70	-48.66	≤ -14.31	PASS
3DH5	Ant3	Low	2402	6.03	-49.53	≤ -13.97	PASS
		High	2480	6.12	-48.95	≤ -13.88	PASS
		Low	Hop_2402	-1.08	-49.43	≤ -21.08	PASS
		High	Hop_2480	1.60	-48.55	≤ -18.4	PASS

Test Graphs

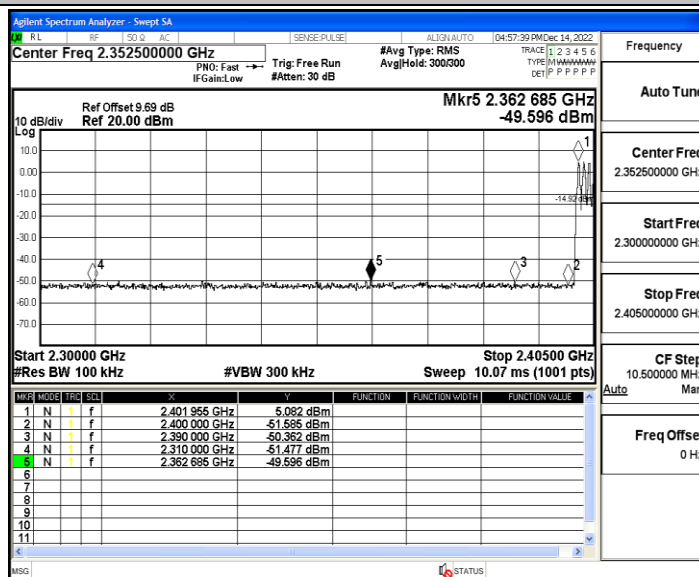
DH5_Ant3_Low_2402



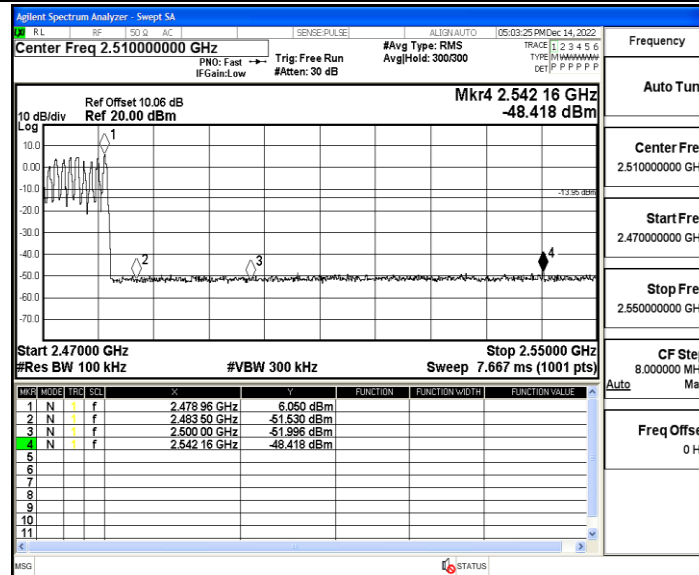
DH5_Ant3_High_2480



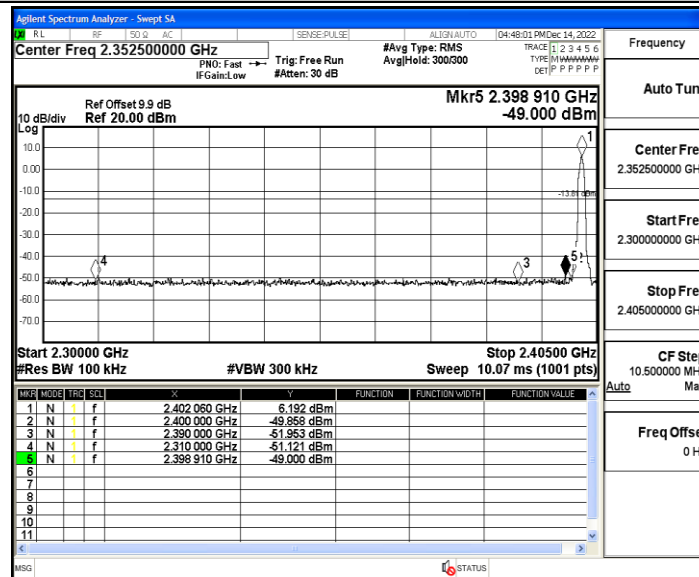
DH5_Ant3_Low_Hop_2402



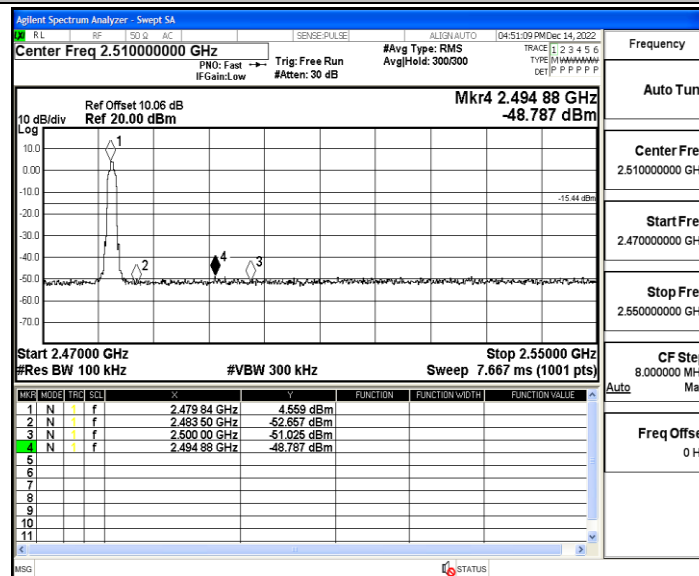
DH5_Ant3_High_Hop_2480



2DH5_Ant3_Low_2402



2DH5_Ant3_High_2480



2DH5_Ant3_Low_Hop_2402