

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

Product Name: TRUE WIRELESS EARBUDS

Trade Mark: BarbetSound

Test Model: RT67

FCC ID: 2ATOY-RT67

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

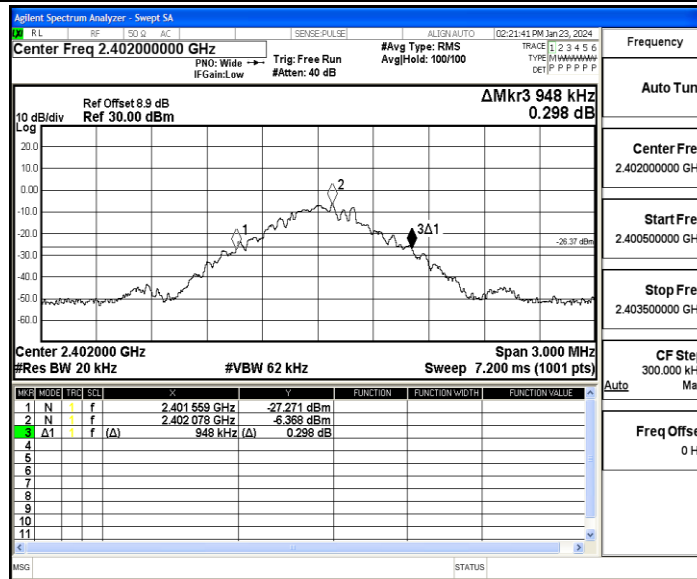
Appendix A: 20dB Emission Bandwidth

Test Result

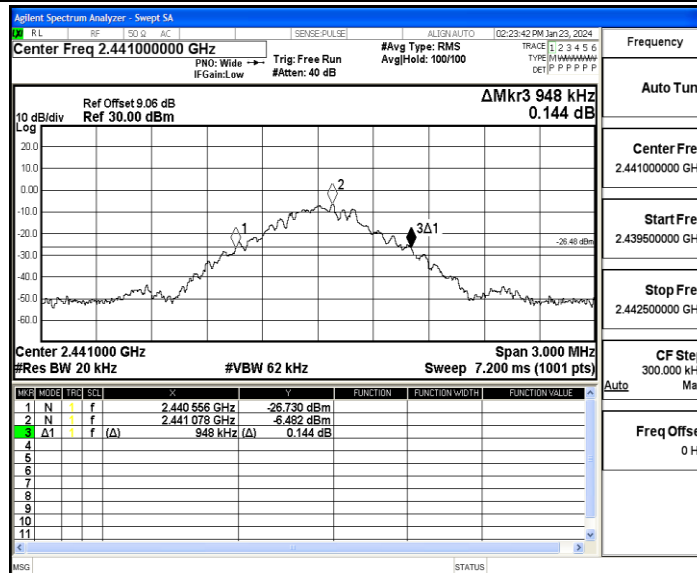
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.948	2401.559	2402.507	---	---
		2441	0.948	2440.556	2441.504	---	---
		2480	0.945	2479.559	2480.504	---	---
2DH5	Ant1	2402	1.317	2401.358	2402.675	---	---
		2441	1.311	2440.361	2441.672	---	---
		2480	1.326	2479.355	2480.681	---	---
3DH5	Ant1	2402	1.305	2401.367	2402.672	---	---
		2441	1.296	2440.370	2441.666	---	---
		2480	1.305	2479.370	2480.675	---	---

Test Graphs

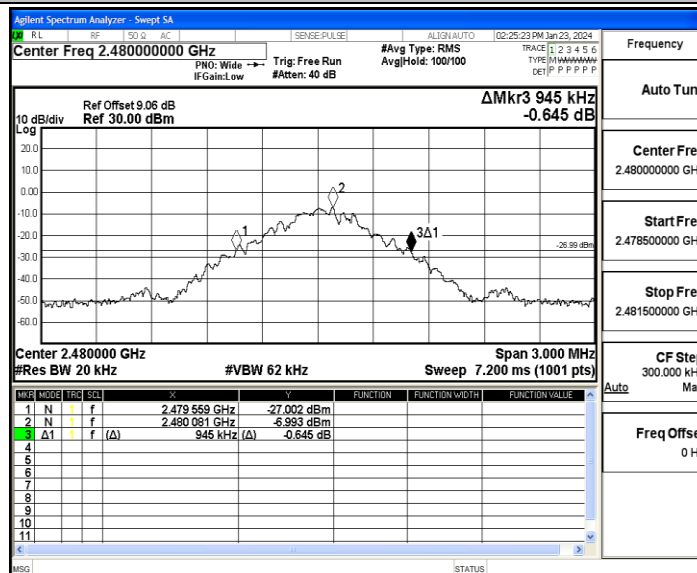
DH5_Ant1_2402



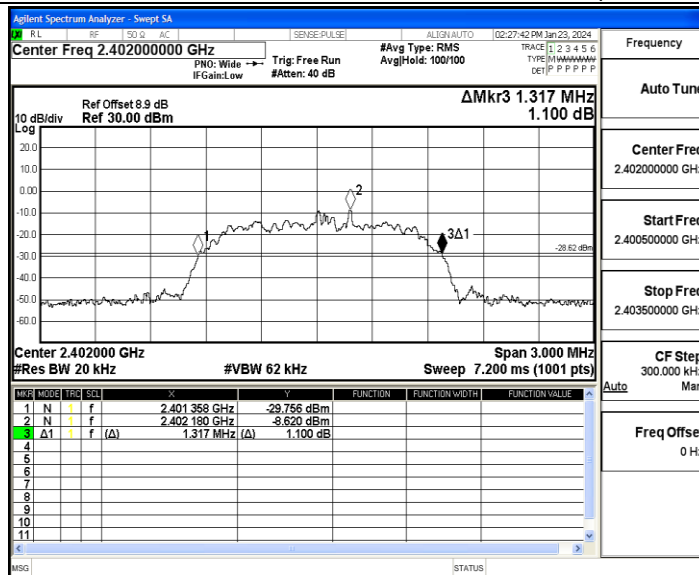
DH5_Ant1_2441



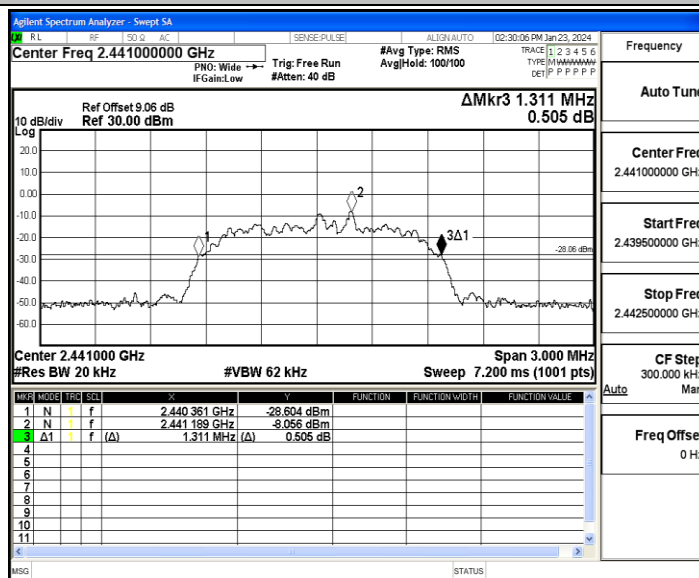
DH5_Ant1_2480



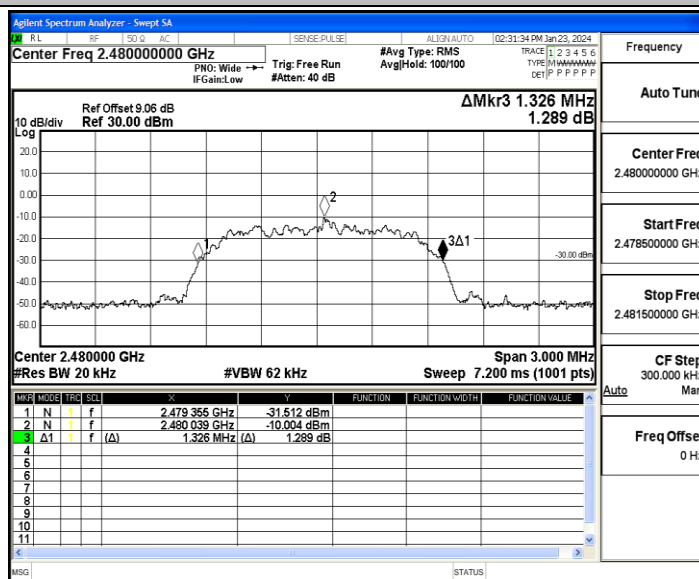
2DH5_Ant1_2402



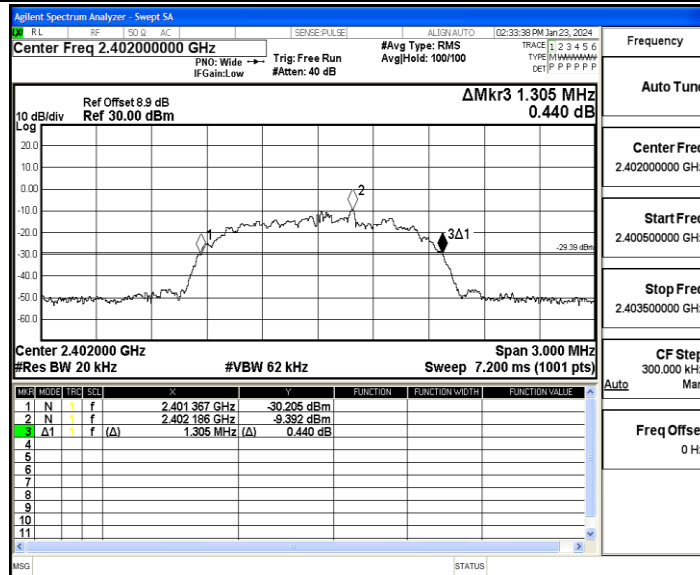
2DH5_Ant1_2441



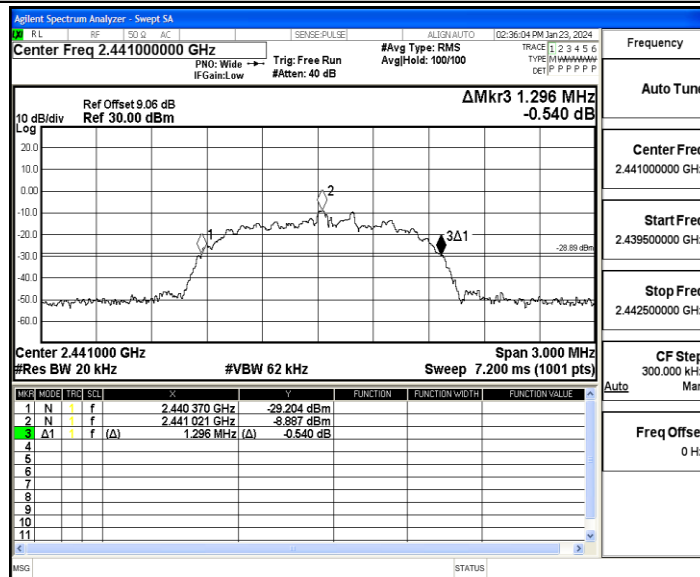
2DH5_Ant1_2480



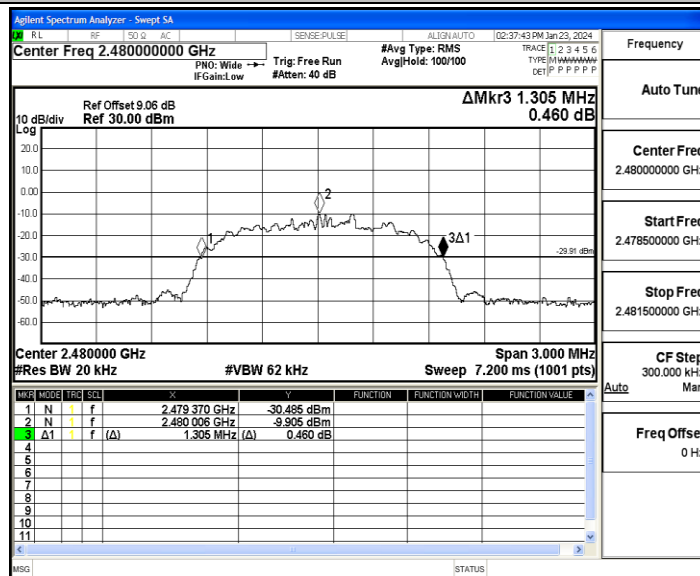
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



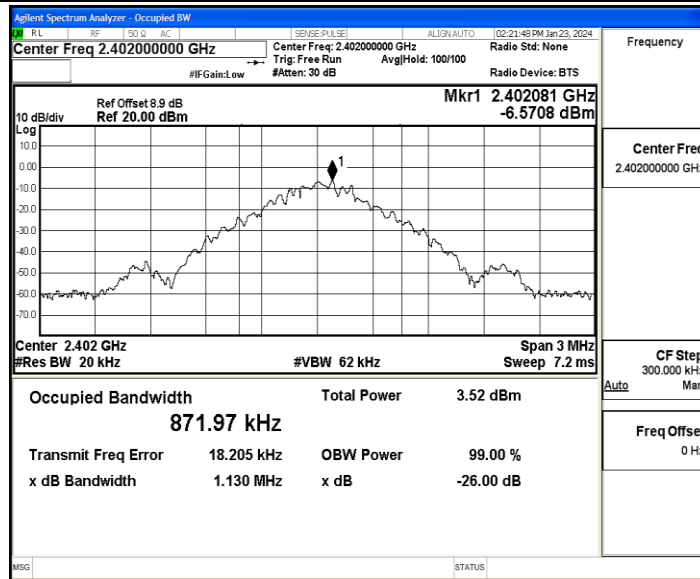
Appendix B: Occupied Channel Bandwidth

Test Result

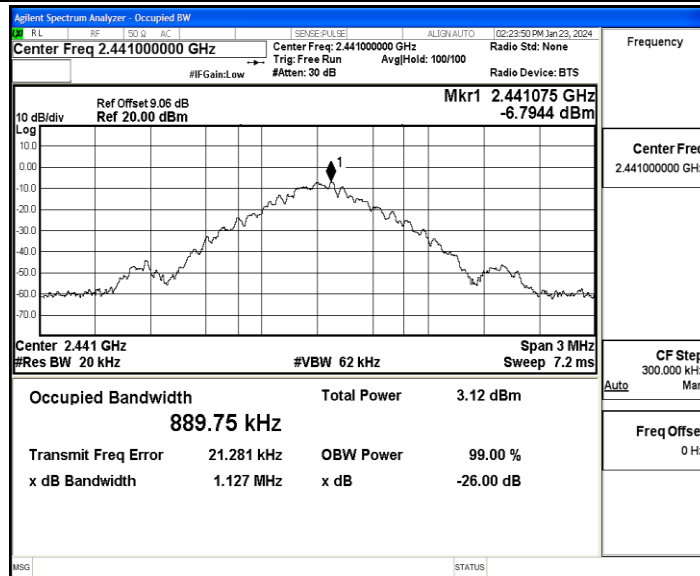
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87197	2401.5822	2402.4542	---	---
		2441	0.88975	2440.5764	2441.4662	---	---
		2480	0.86520	2479.5819	2480.4471	---	---
2DH5	Ant1	2402	1.1760	2401.4303	2402.6063	---	---
		2441	1.1801	2440.4284	2441.6085	---	---
		2480	1.1783	2479.4285	2480.6068	---	---
3DH5	Ant1	2402	1.1776	2401.4243	2402.6019	---	---
		2441	1.1816	2440.4223	2441.6039	---	---
		2480	1.1810	2479.4234	2480.6044	---	---

Test Graphs

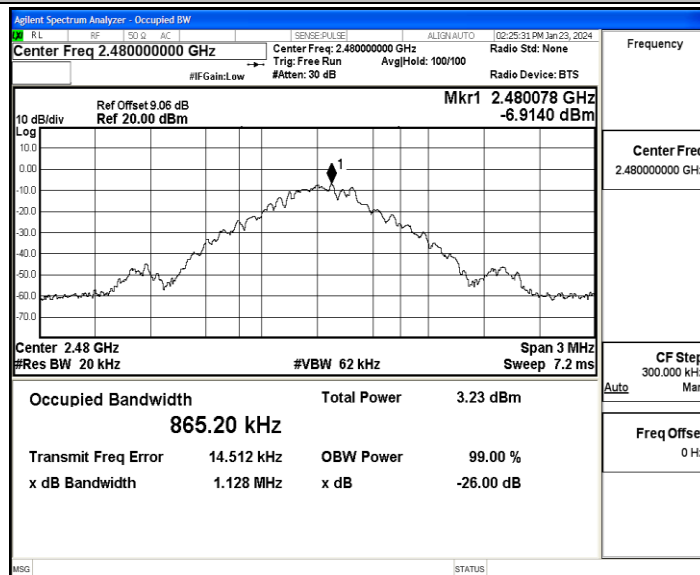
DH5_Ant1_2402



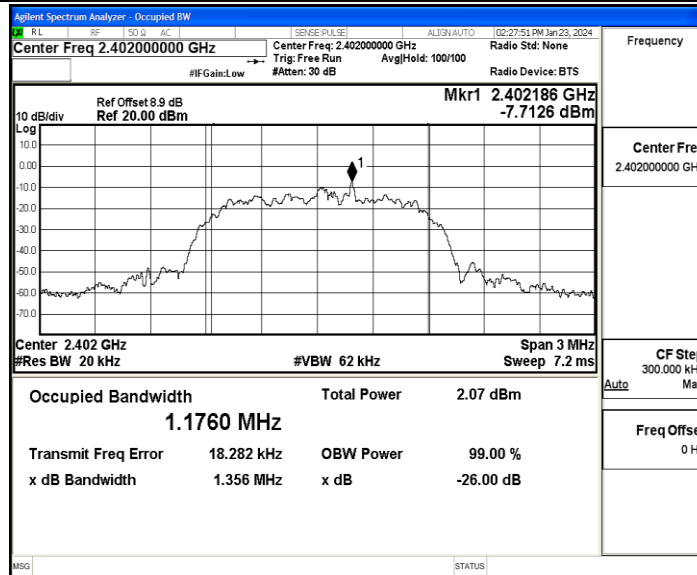
DH5_Ant1_2441



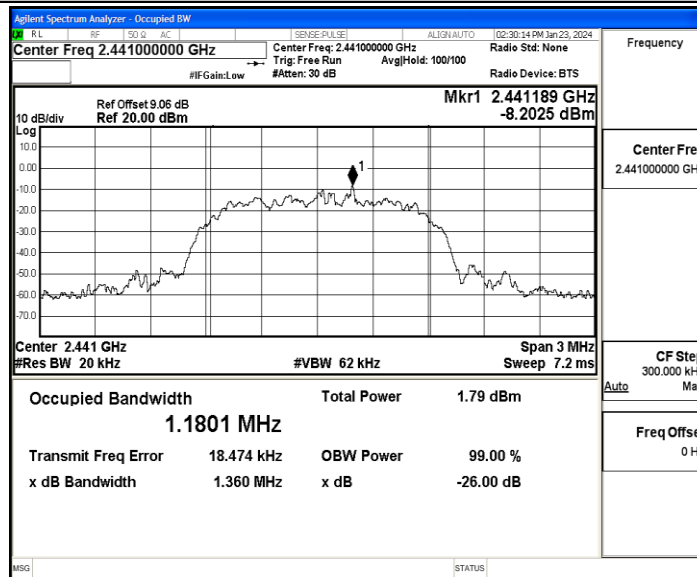
DH5_Ant1_2480



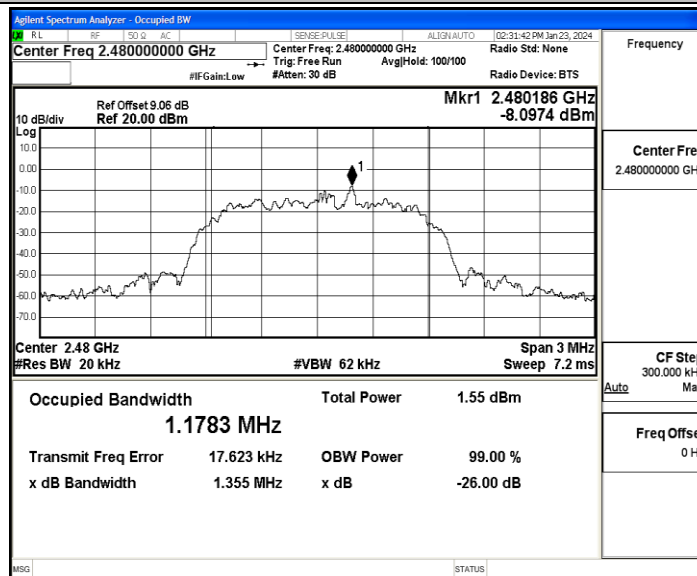
2DH5_Ant1_2402



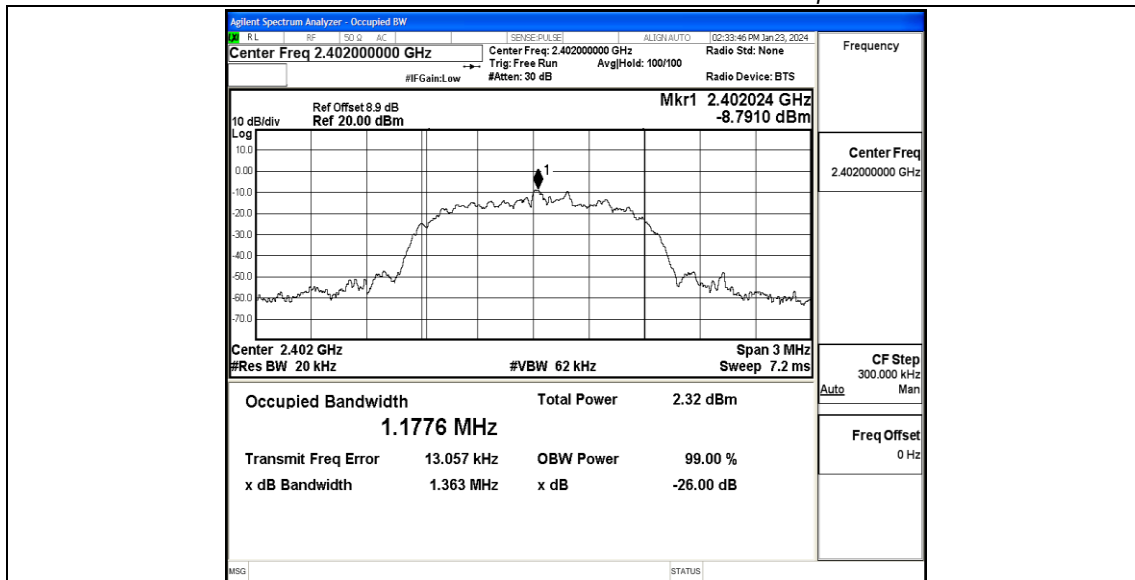
2DH5_Ant1_2441



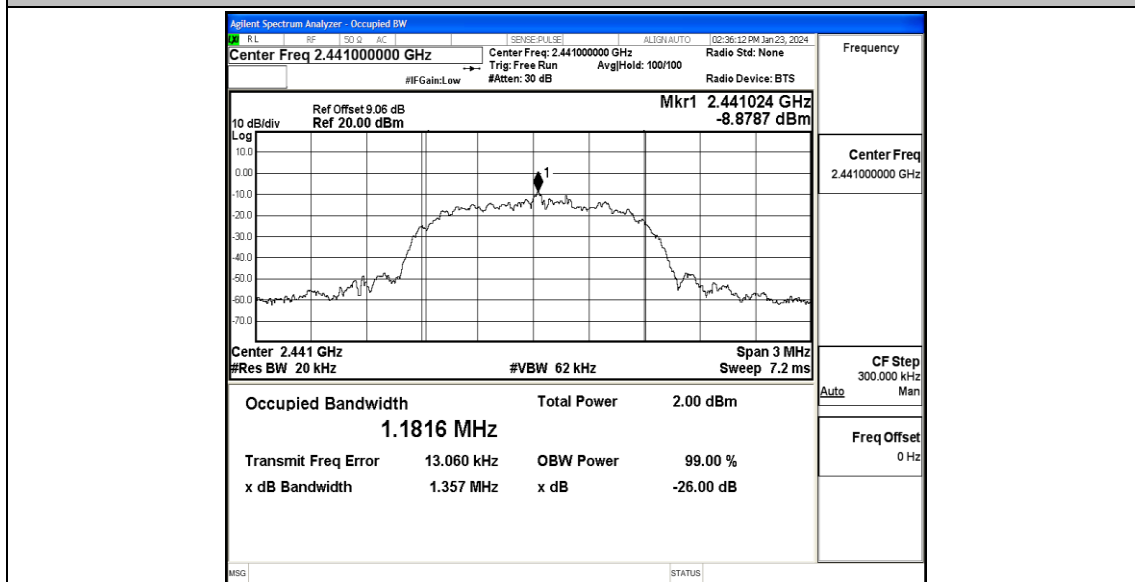
2DH5_Ant1_2480



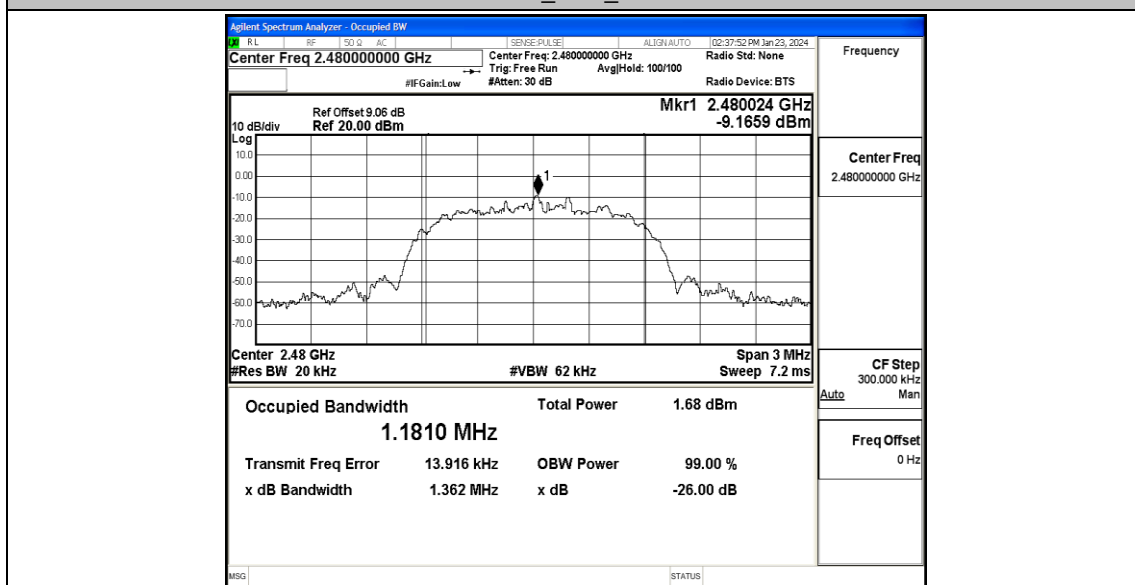
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



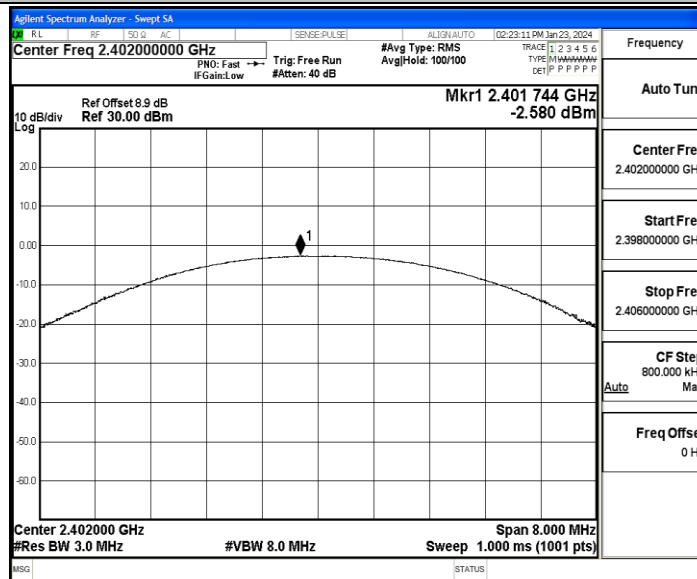
Appendix C: Maximum Peak conducted output power

Test Result

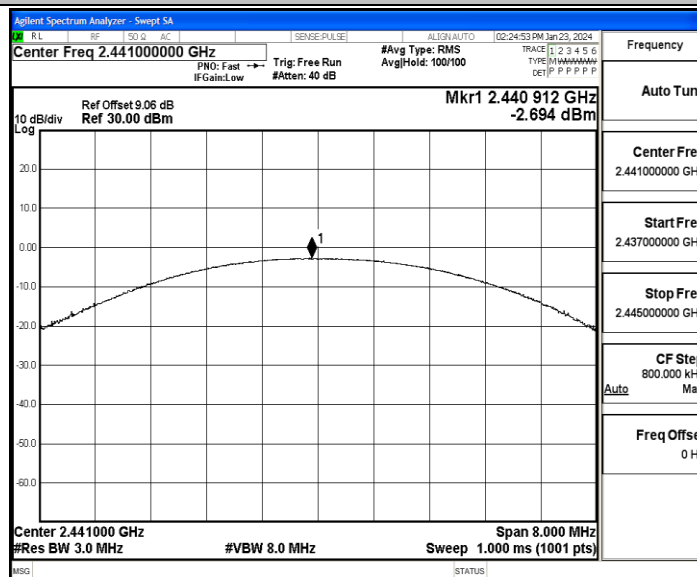
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	-2.58	≤30	PASS
		2441	-2.69	≤30	PASS
		2480	-3.05	≤30	PASS
2DH5	Ant1	2402	-2.42	≤20.97	PASS
		2441	-2.49	≤20.97	PASS
		2480	-2.95	≤20.97	PASS
3DH5	Ant1	2402	-1.97	≤20.97	PASS
		2441	-1.97	≤20.97	PASS
		2480	-2.37	≤20.97	PASS

Test Graphs

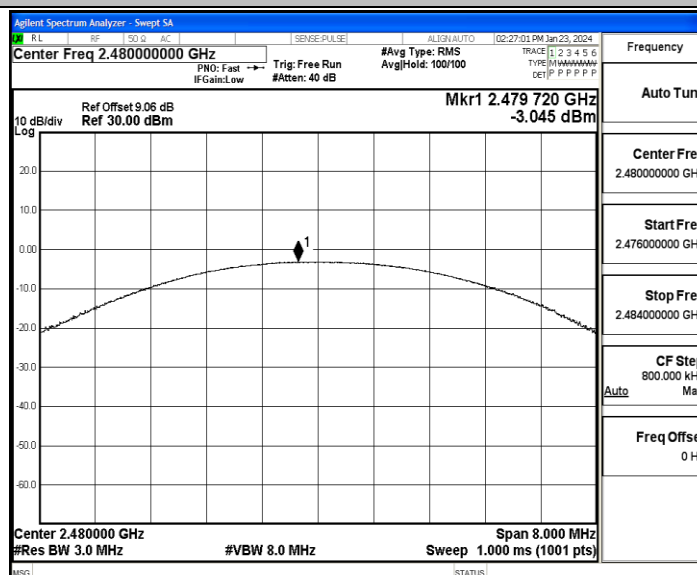
DH5_Ant1_2402



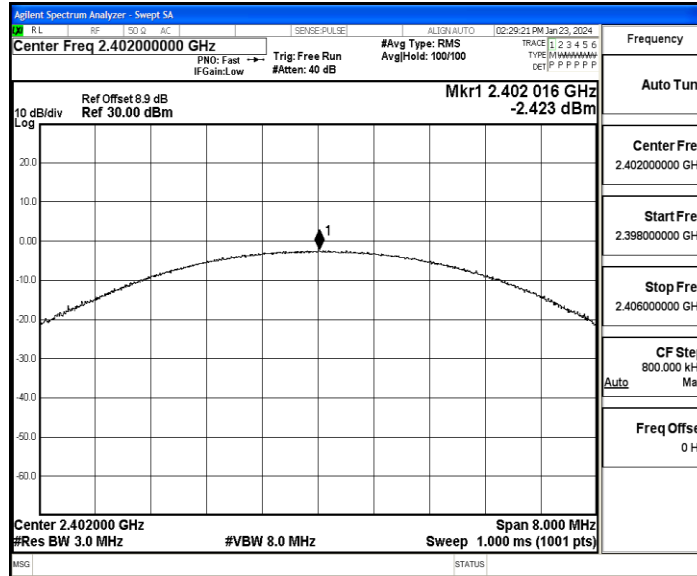
DH5_Ant1_2441



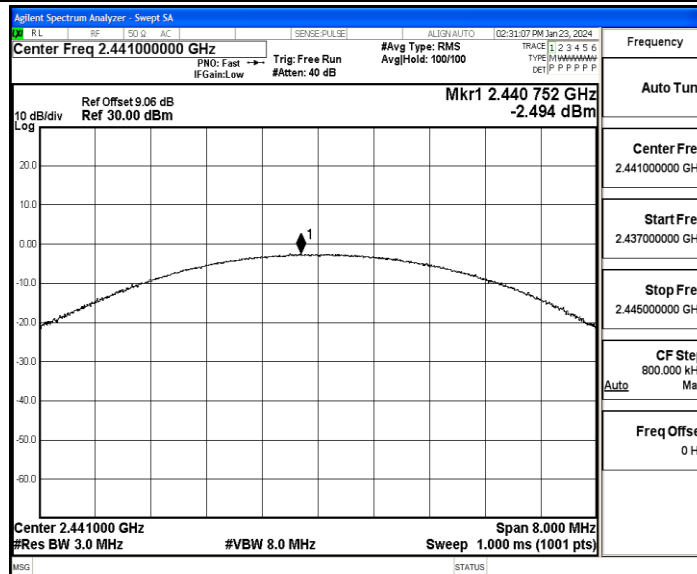
DH5_Ant1_2480



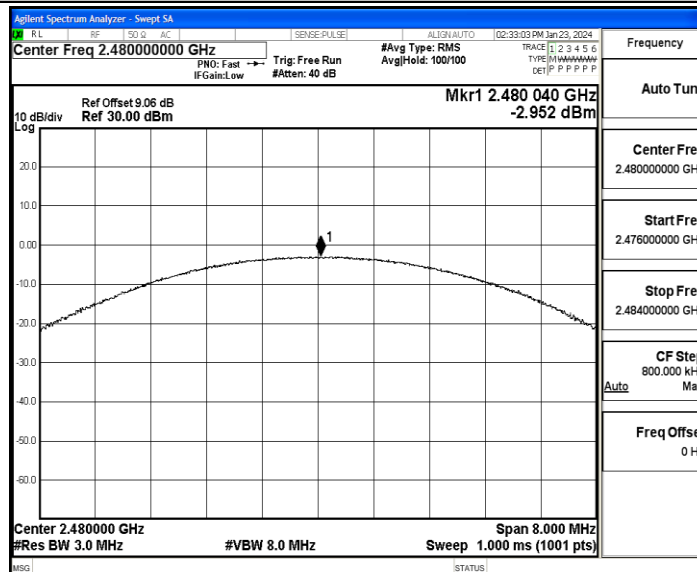
2DH5_Ant1_2402



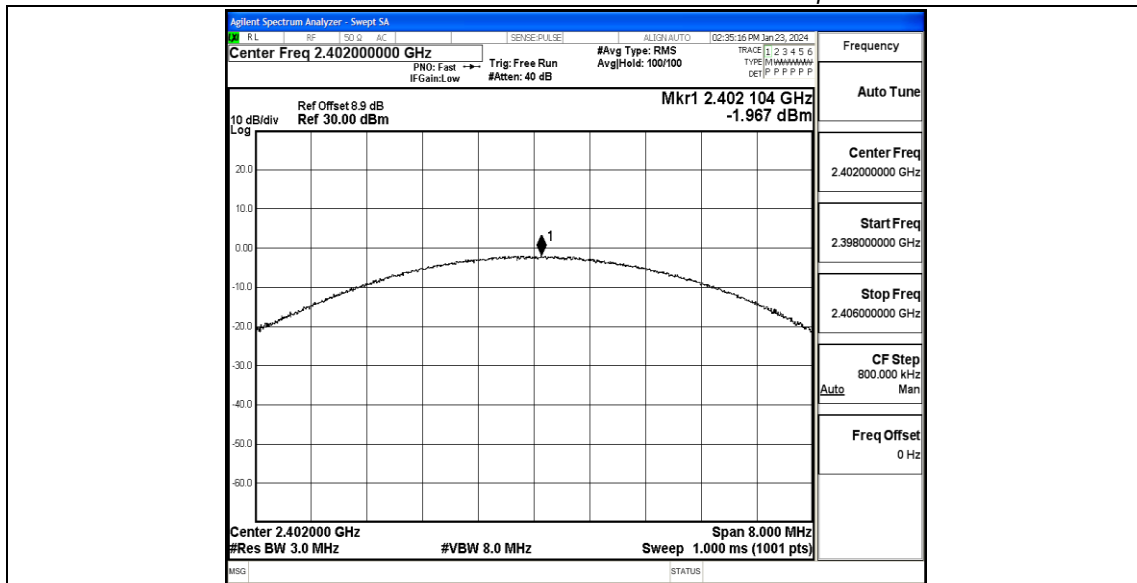
2DH5_Ant1_2441



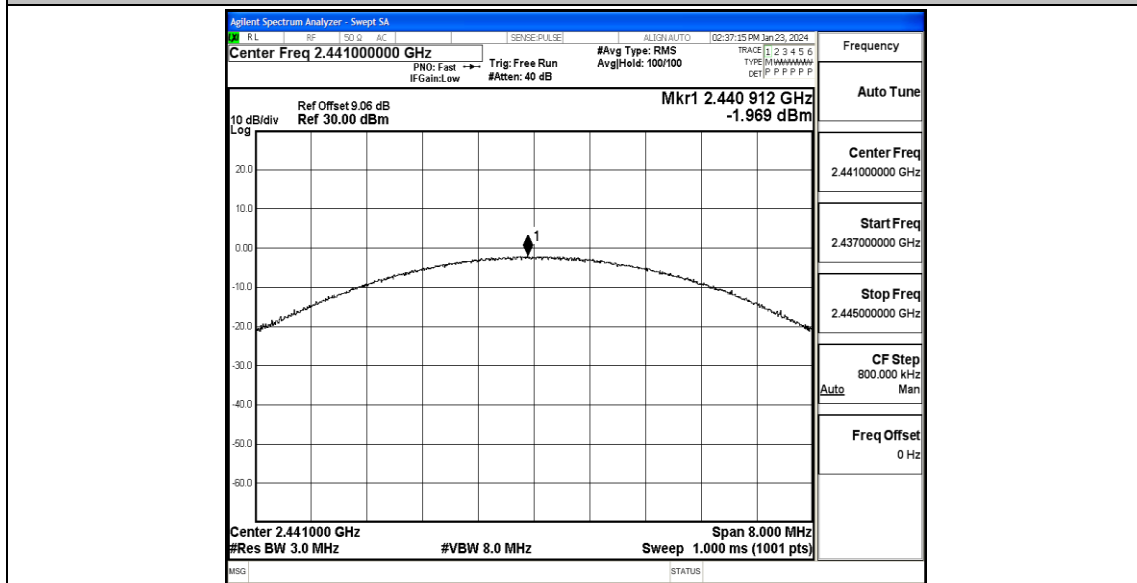
2DH5_Ant1_2480



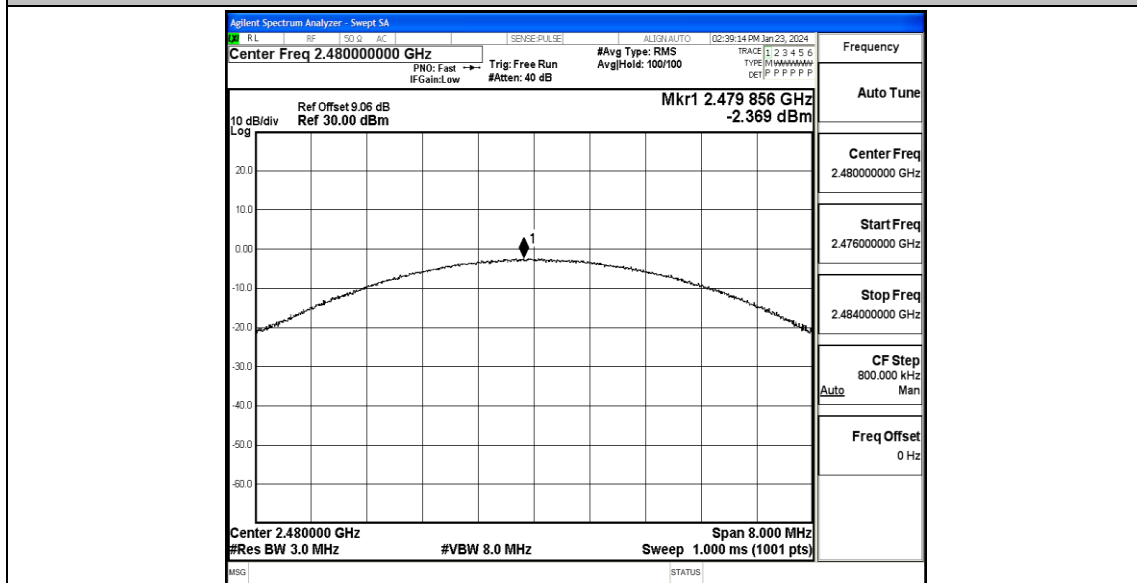
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



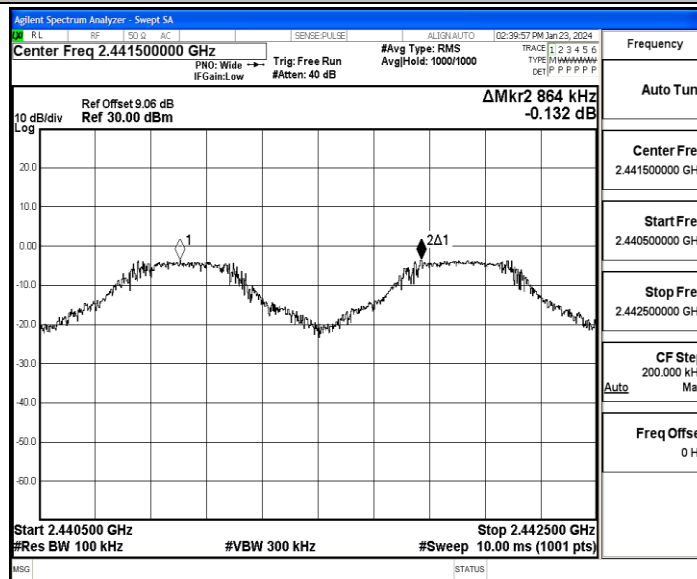
Appendix D: Carrier frequency separation

Test Result

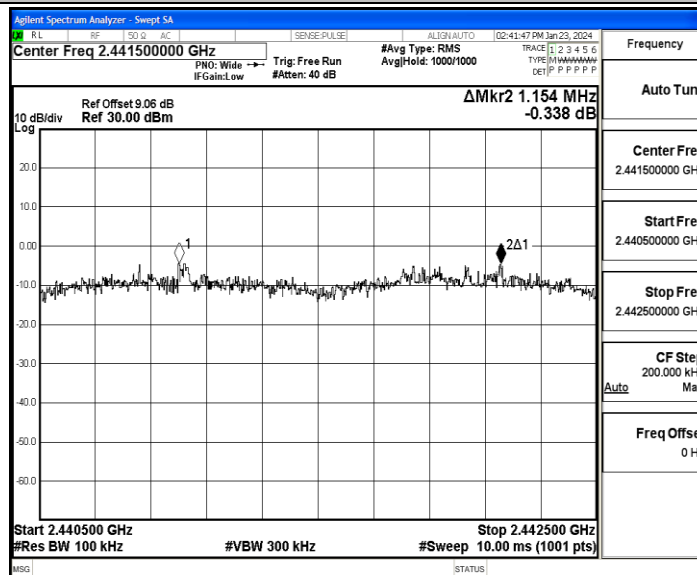
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.864	≥ 0.632	PASS
2DH5	Ant1	Hop	1.154	≥ 0.884	PASS
3DH5	Ant1	Hop	1.158	≥ 0.870	PASS

Test Graphs

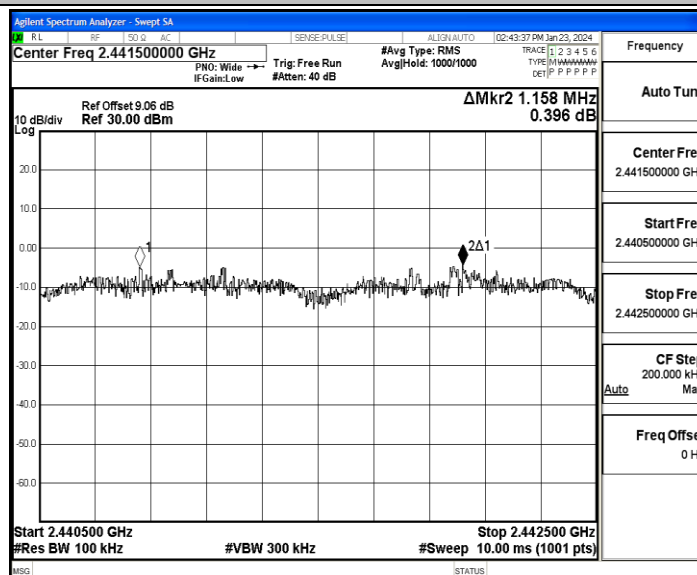
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

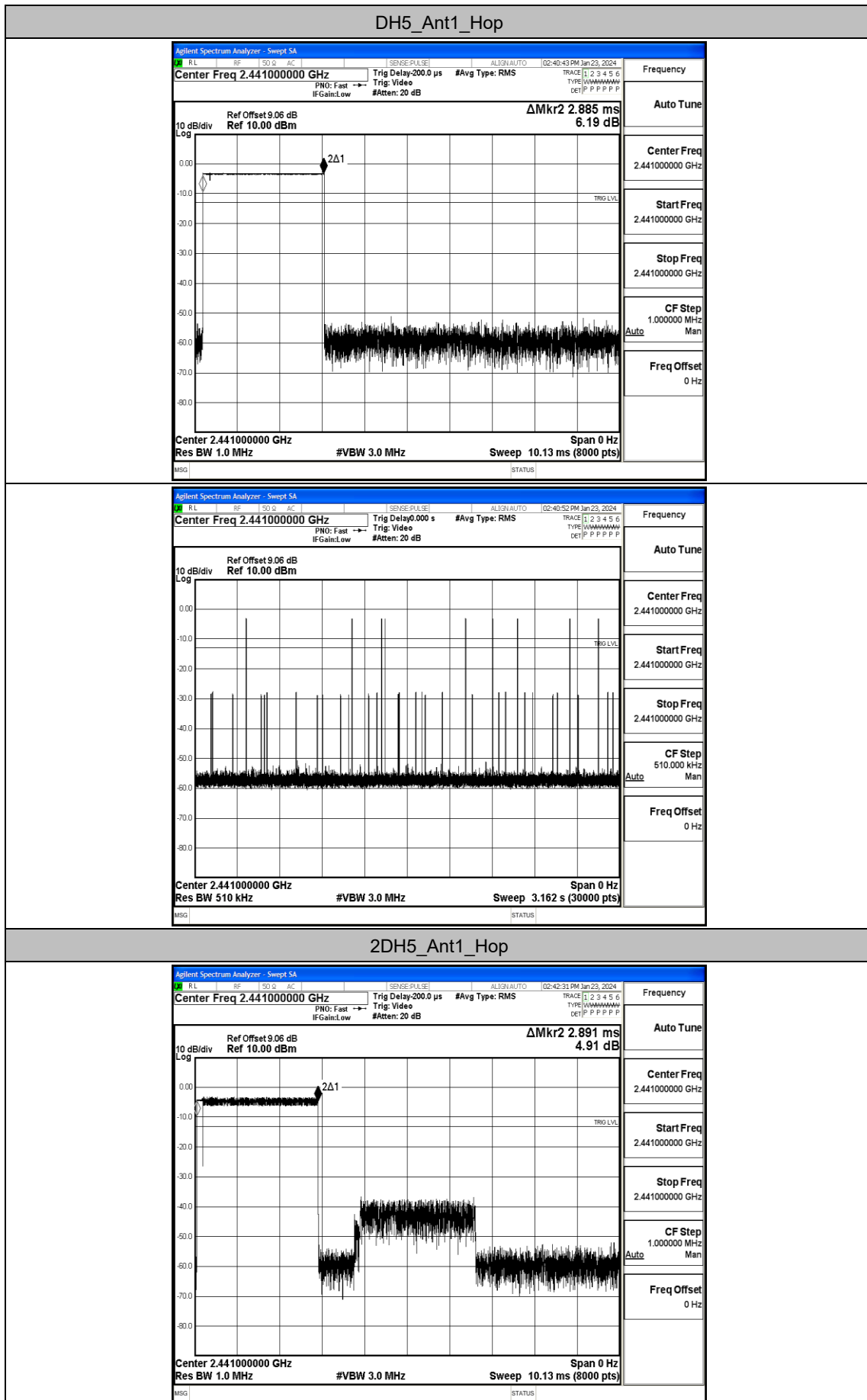


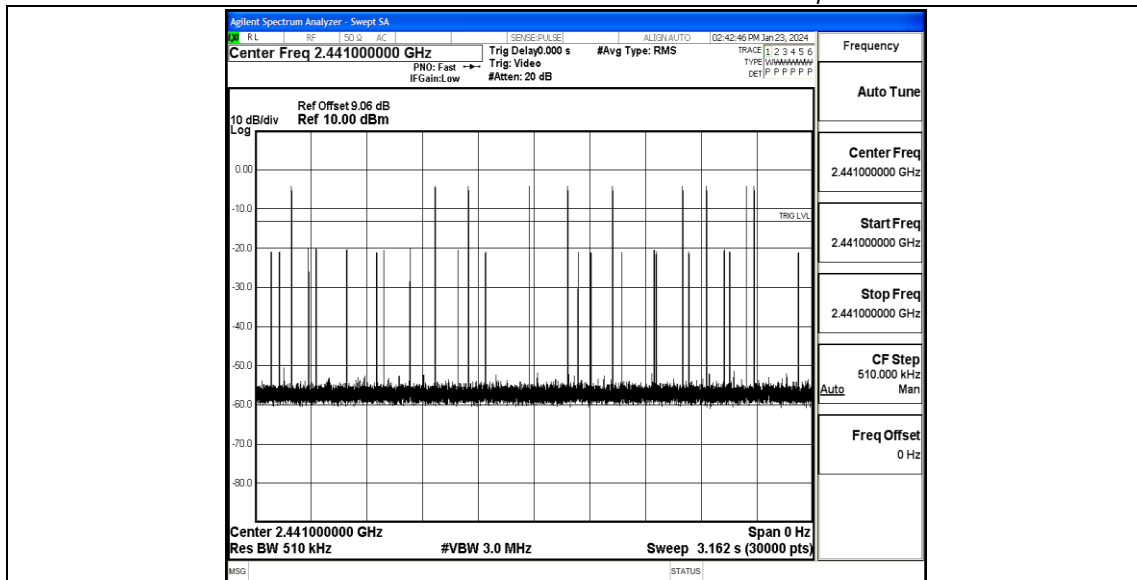
Appendix E: Time of occupancy

Test Result

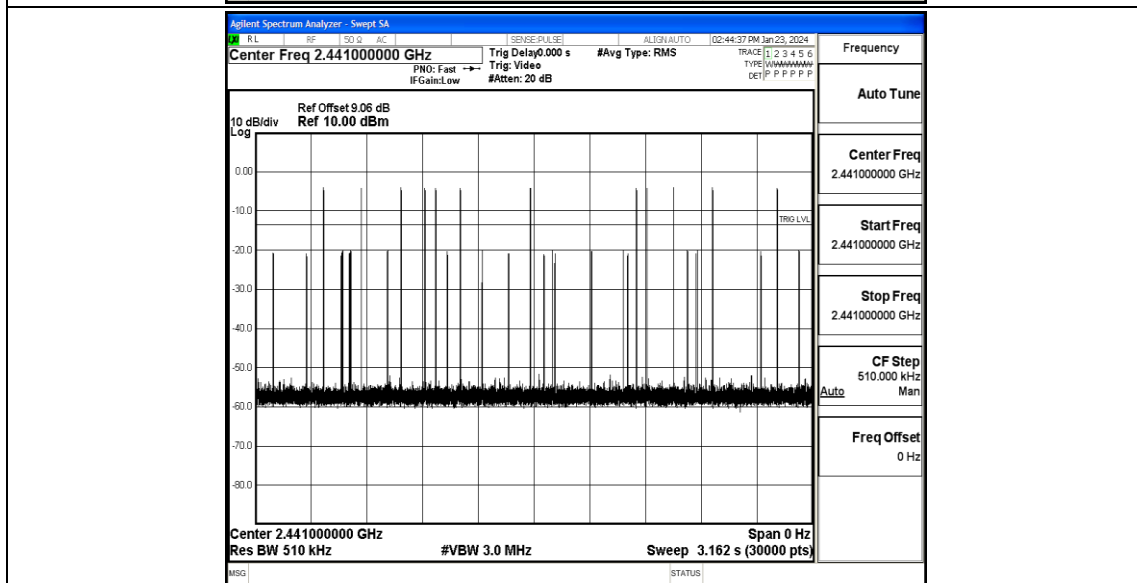
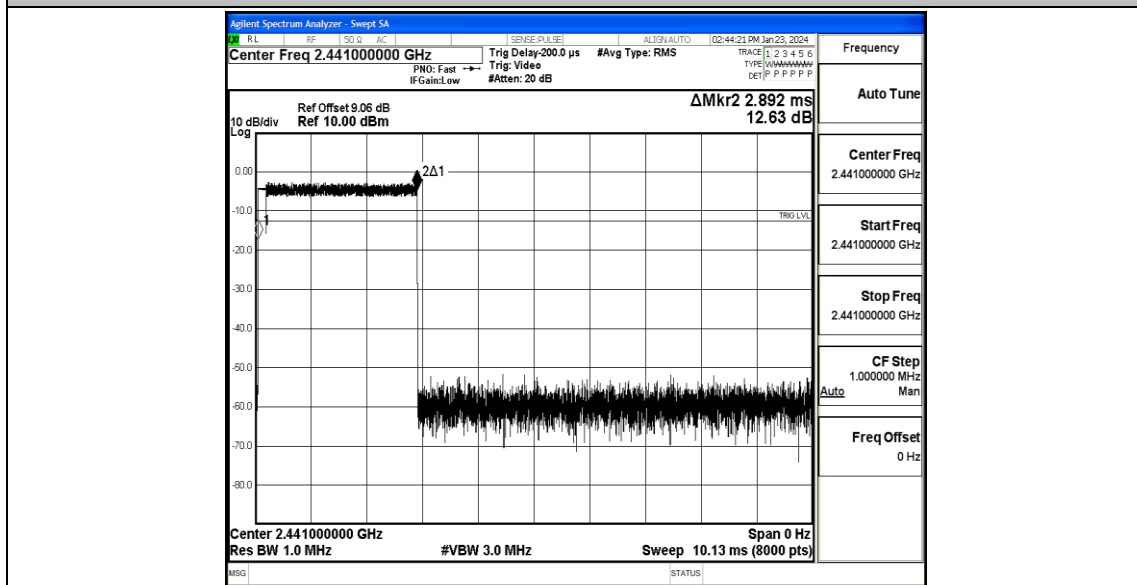
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	100	0.289	≤0.4	PASS
2DH5	Ant1	Hop	2.891	110	0.318	≤0.4	PASS
3DH5	Ant1	Hop	2.892	130	0.376	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop



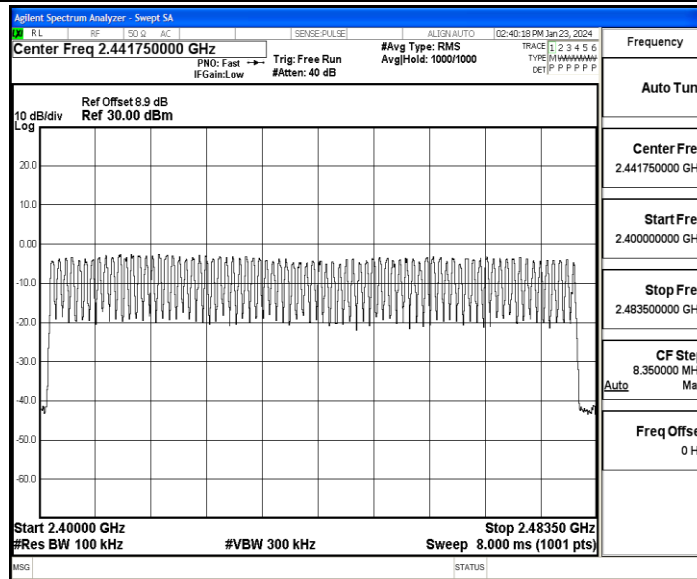
Appendix F: Number of hopping channels

Test Result

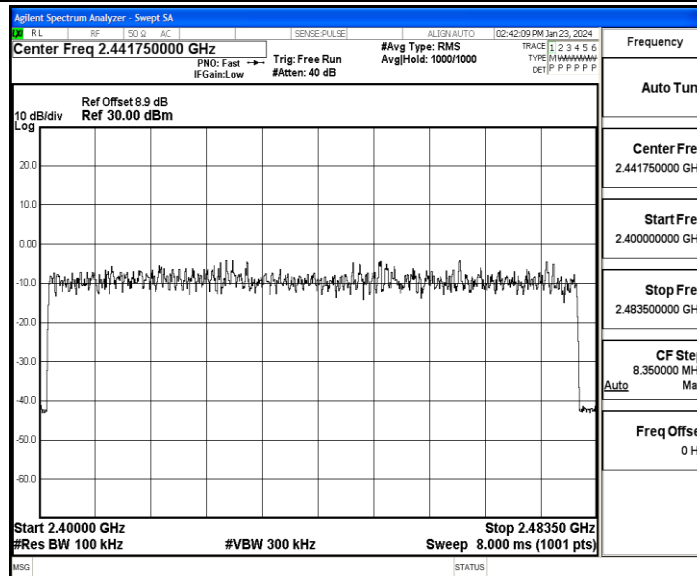
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

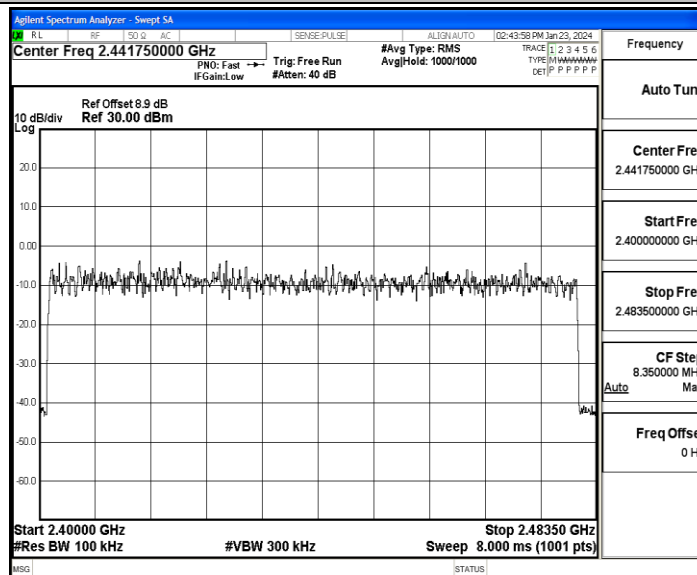
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



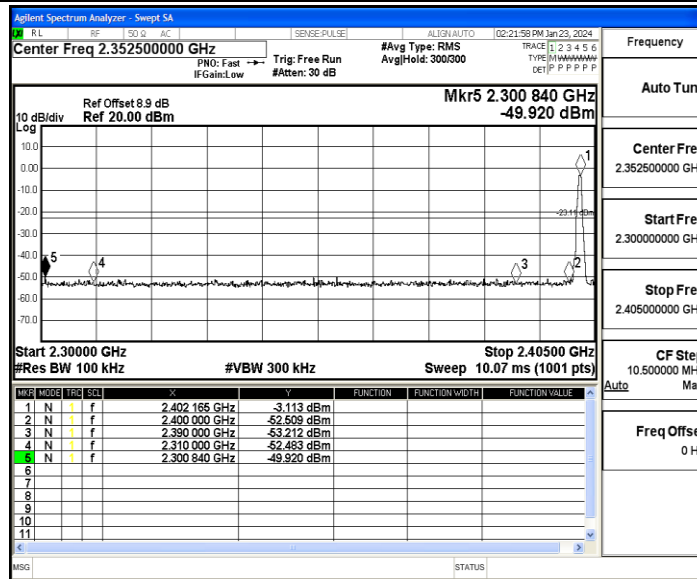
Appendix G: Band edge measurements

Test Result

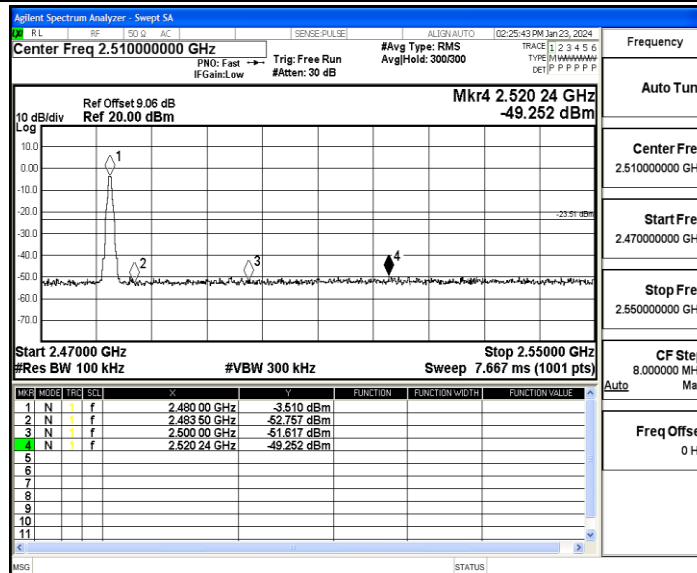
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.11	-49.92	≤ -23.11	PASS
		High	2480	-3.51	-49.25	≤ -23.51	PASS
		Low	Hop_2402	-3.69	-50.38	≤ -23.69	PASS
		High	Hop_2480	-3.27	-49.77	≤ -23.27	PASS
2DH5	Ant1	Low	2402	-4.23	-50.72	≤ -24.23	PASS
		High	2480	-4.49	-49.39	≤ -24.49	PASS
		Low	Hop_2402	-4.71	-50.78	≤ -24.71	PASS
		High	Hop_2480	-5.43	-49.82	≤ -25.43	PASS
3DH5	Ant1	Low	2402	-4.47	-50.16	≤ -24.47	PASS
		High	2480	-4.72	-49.7	≤ -24.72	PASS
		Low	Hop_2402	-6.44	-50.39	≤ -26.44	PASS
		High	Hop_2480	-4.23	-49.97	≤ -24.23	PASS

Test Graphs

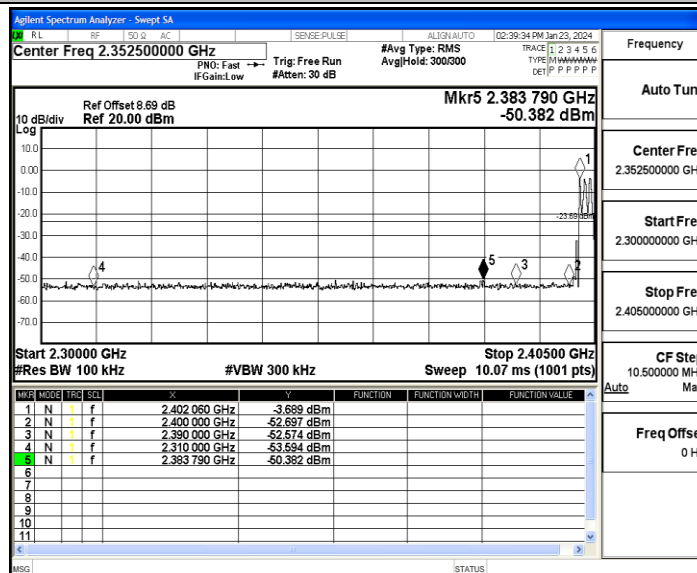
DH5_Ant1_Low_2402



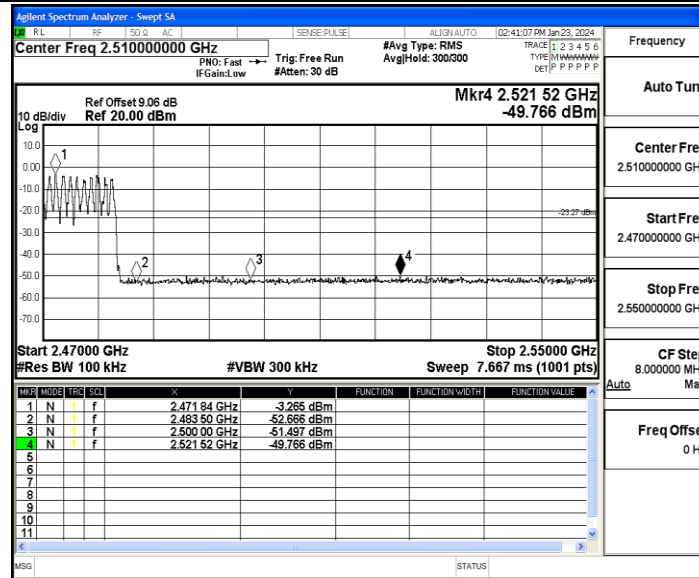
DH5_Ant1_High_2480



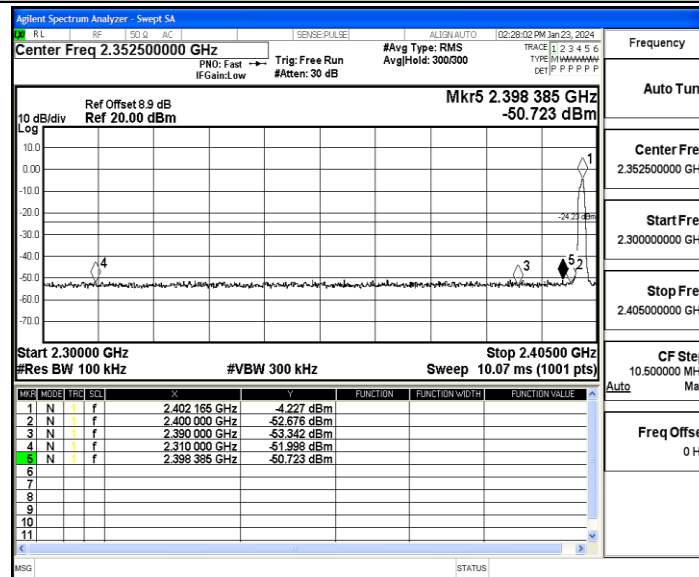
DH5_Ant1_Low_Hop_2402



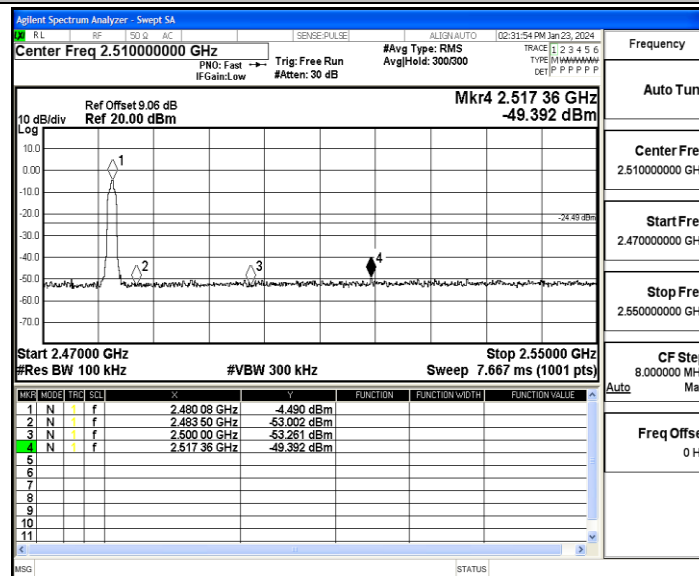
DH5_Ant1_High_Hop_2480



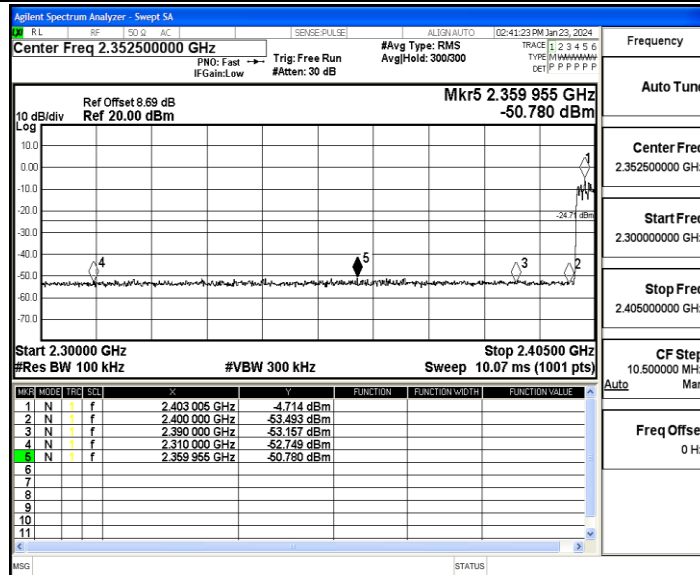
2DH5_Ant1_Low_2402



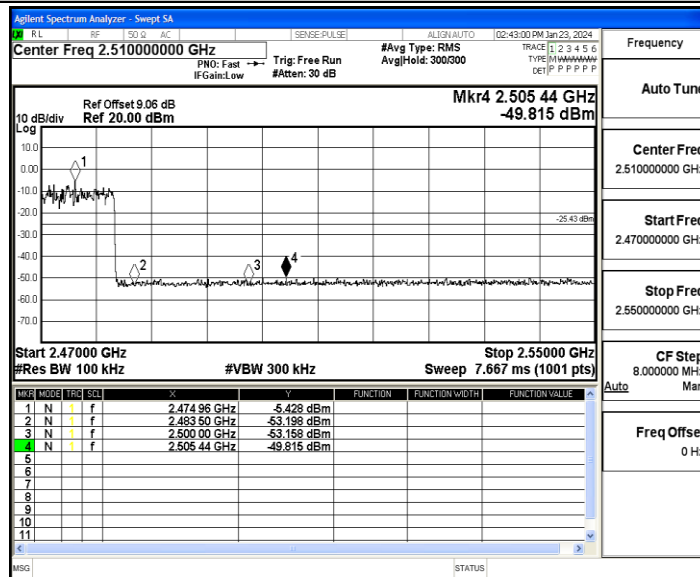
2DH5_Ant1_High_2480



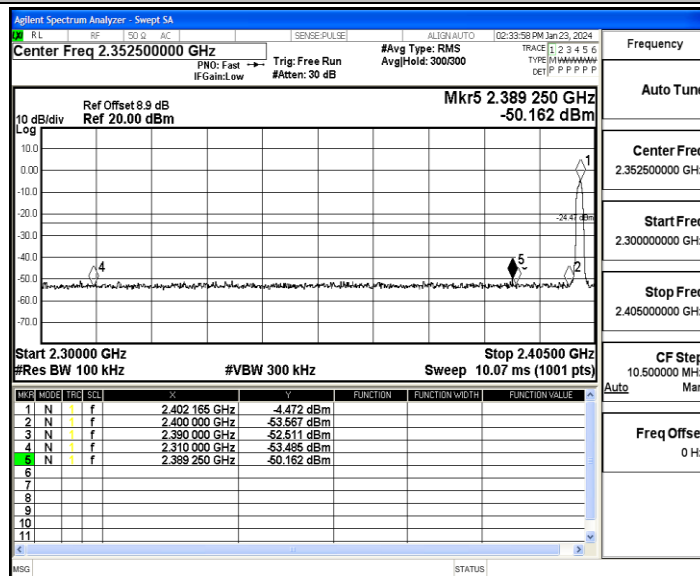
2DH5_Ant1_Low_Hop_2402



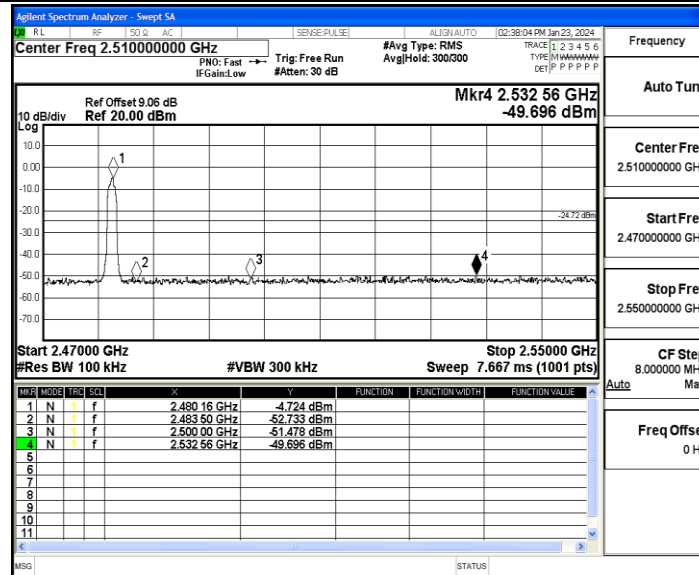
2DH5_Ant1_High_Hop_2480



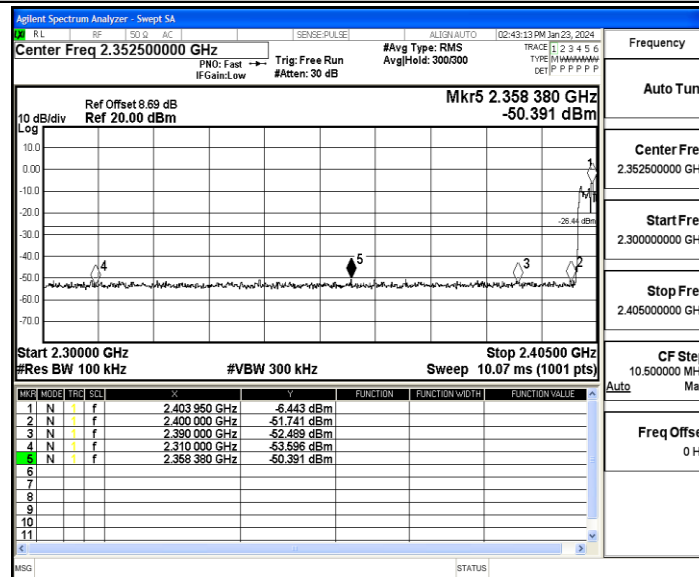
3DH5_Ant1_Low_2402



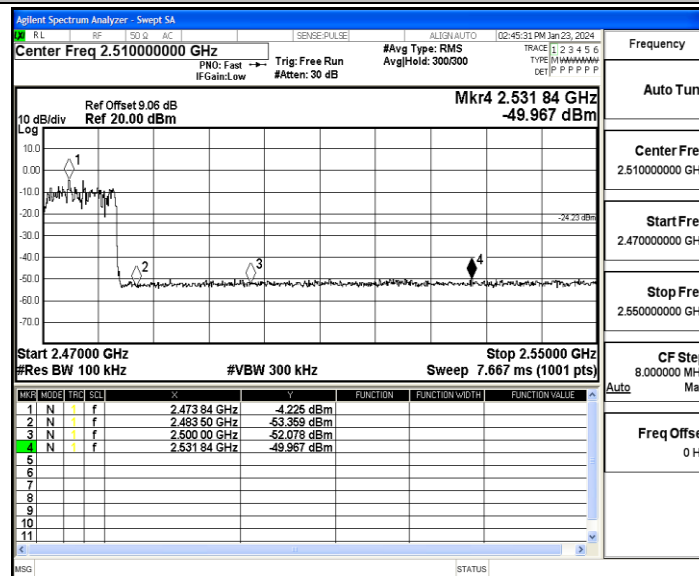
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



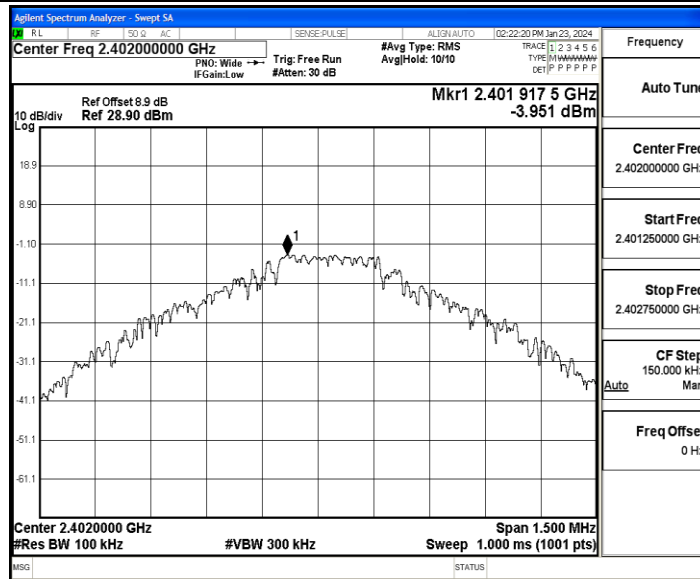
Appendix H: Conducted Spurious Emission

Test Result

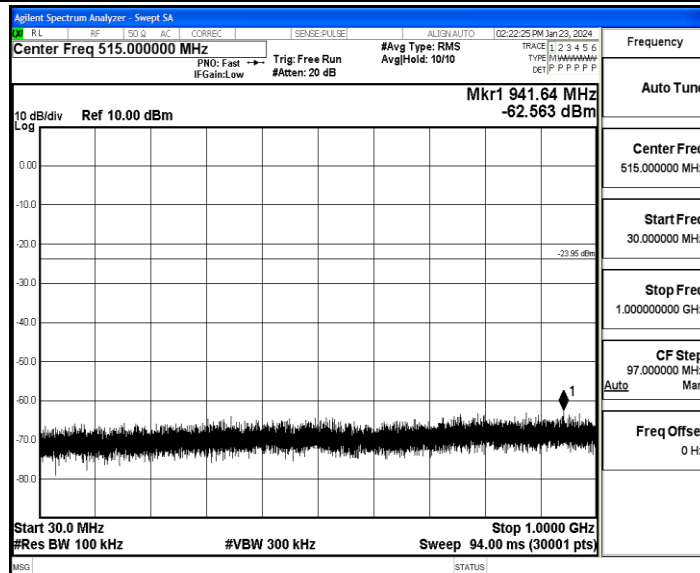
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-3.95	-3.95	---	PASS
			30~1000	-3.95	-62.56	≤-23.95	PASS
			1000~26500	-3.95	-49.17	≤-23.95	PASS
		2441	Reference	-3.88	-3.88	---	PASS
			30~1000	-3.88	-62.13	≤-23.88	PASS
			1000~26500	-3.88	-50.45	≤-23.88	PASS
		2480	Reference	-4.36	-4.36	---	PASS
			30~1000	-4.36	-62.99	≤-24.36	PASS
			1000~26500	-4.36	-50.94	≤-24.36	PASS
2DH5	Ant1	2402	Reference	-8.04	-8.04	---	PASS
			30~1000	-8.04	-62.16	≤-28.04	PASS
			1000~26500	-8.04	-50.77	≤-28.04	PASS
		2441	Reference	-8.18	-8.18	---	PASS
			30~1000	-8.18	-62.94	≤-28.18	PASS
			1000~26500	-8.18	-49.85	≤-28.18	PASS
		2480	Reference	-5.47	-5.47	---	PASS
			30~1000	-5.47	-62.52	≤-25.47	PASS
			1000~26500	-5.47	-50.88	≤-25.47	PASS
3DH5	Ant1	2402	Reference	-7.12	-7.12	---	PASS
			30~1000	-7.12	-62.69	≤-27.12	PASS
			1000~26500	-7.12	-51.08	≤-27.12	PASS
		2441	Reference	-6.89	-6.89	---	PASS
			30~1000	-6.89	-62.75	≤-26.89	PASS
			1000~26500	-6.89	-50.99	≤-26.89	PASS
		2480	Reference	-8.09	-8.09	---	PASS
			30~1000	-8.09	-62.29	≤-28.09	PASS
			1000~26500	-8.09	-51.33	≤-28.09	PASS

Test Graphs

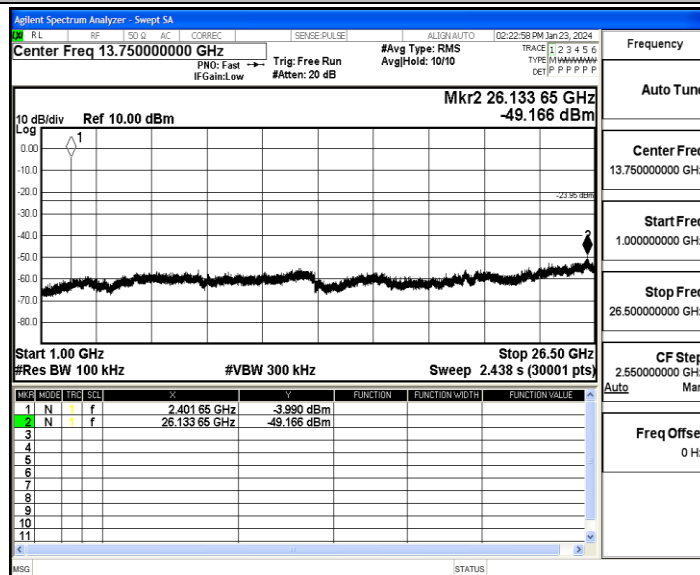
DH5_Ant1_2402_0~Reference



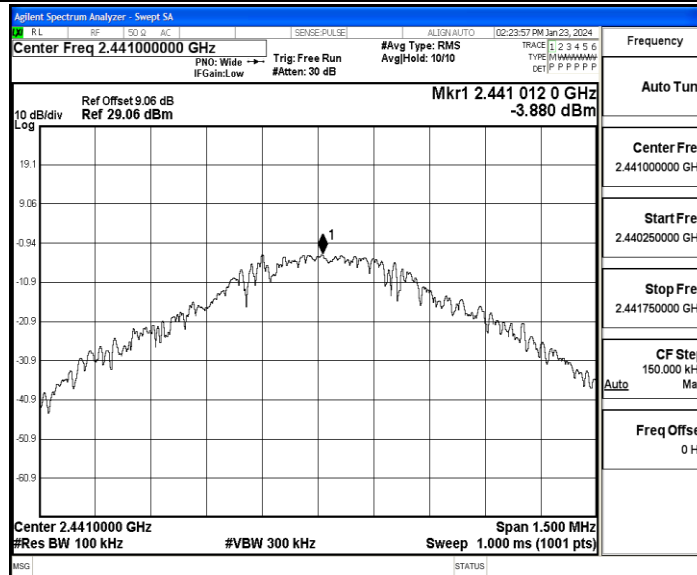
DH5_Ant1_2402_30~1000



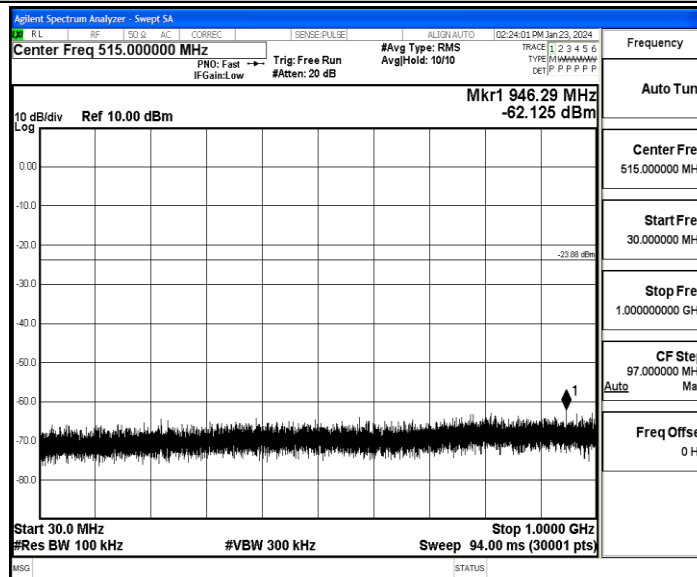
DH5_Ant1_2402_1000~26500



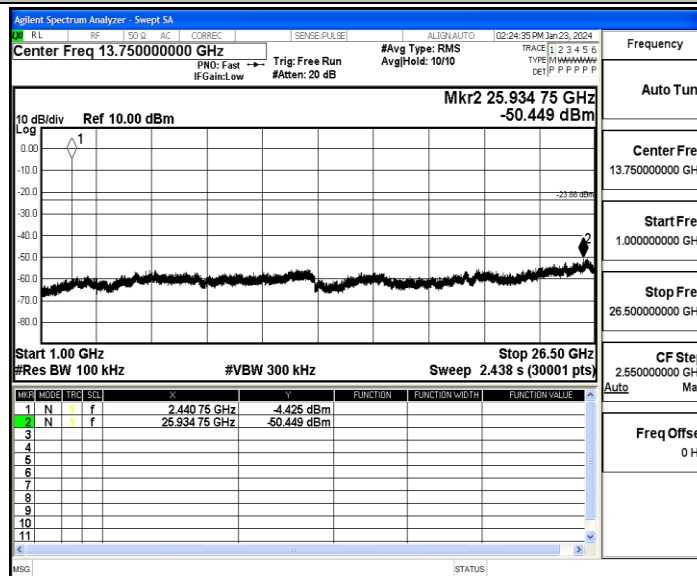
DH5_Ant1_2441_0~Reference



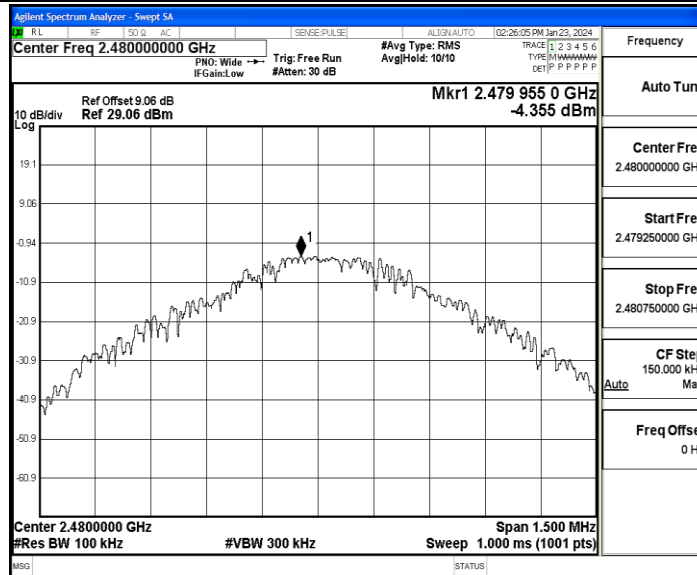
DH5_Ant1_2441_30~1000



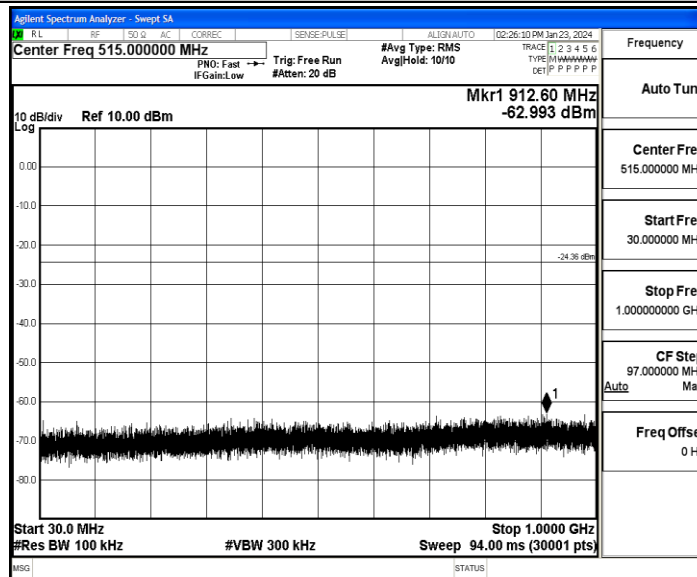
DH5_Ant1_2441_1000~26500



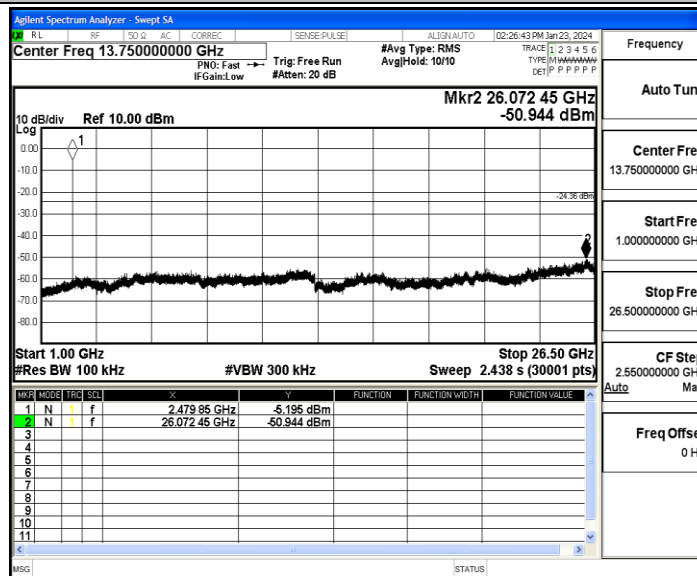
DH5_Ant1_2480_0~Reference



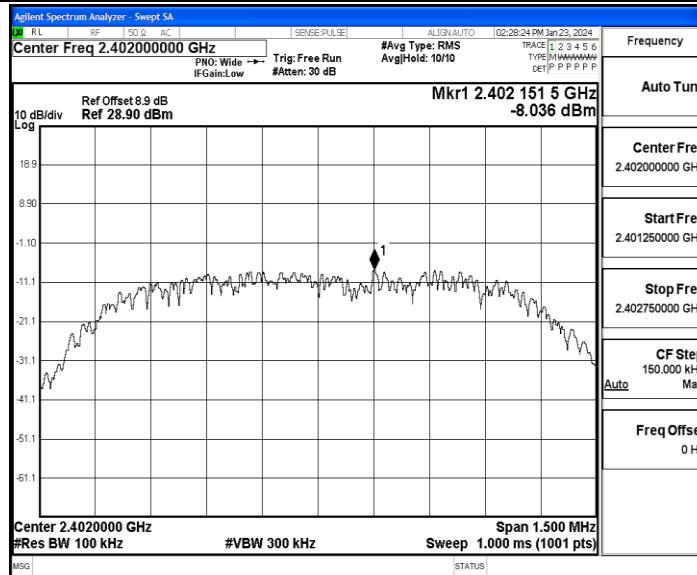
DH5_Ant1_2480_30~1000



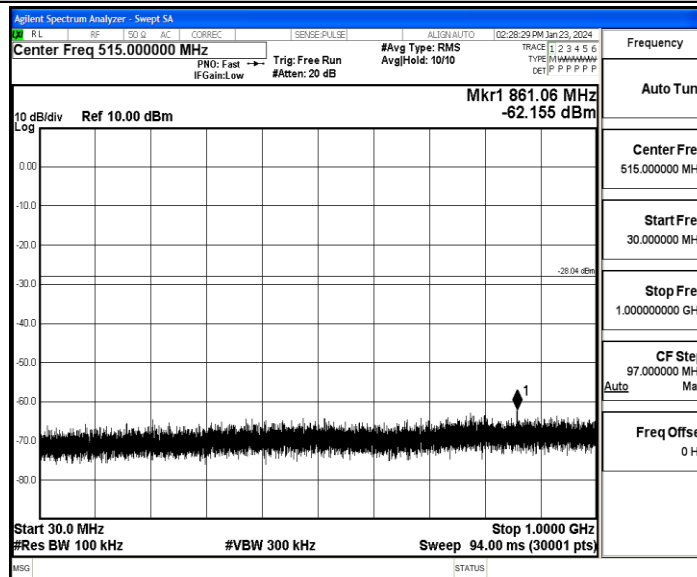
DH5_Ant1_2480_1000~26500



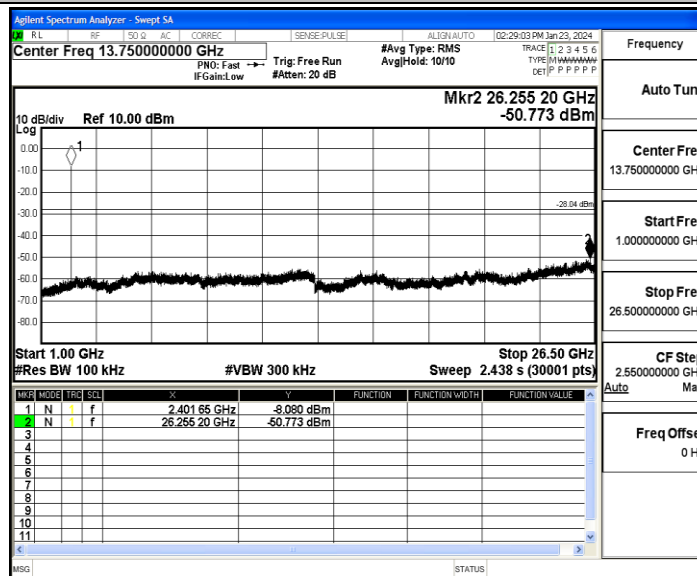
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference