

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

Product Name: Bluetooth Audio Receiver

Trade Mark: N/A

Test Model: MBT-RXv2

FCC ID: 2AD9E-MBTRXV2

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

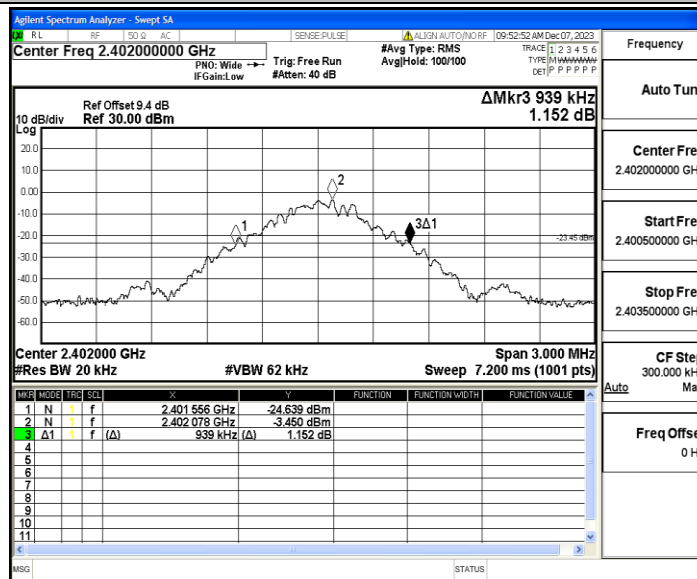
Appendix A: 20dB Emission Bandwidth

Test Result

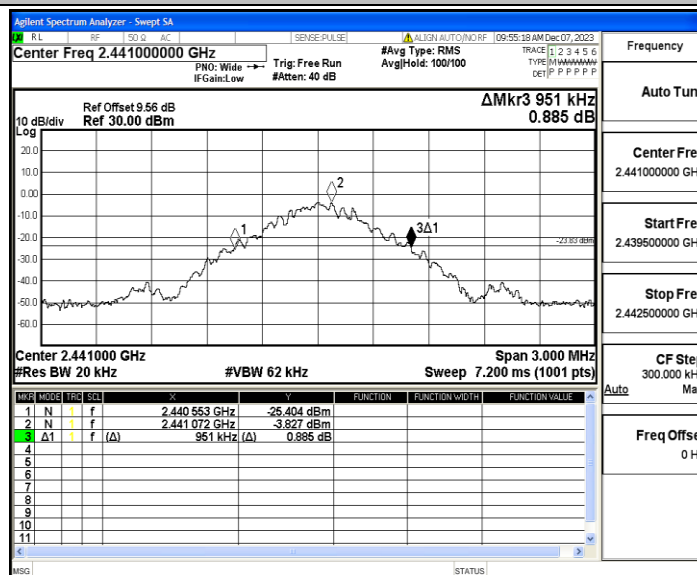
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.556	2402.495	---	---
		2441	0.951	2440.553	2441.504	---	---
		2480	0.948	2479.556	2480.504	---	---
2DH5	Ant1	2402	1.263	2401.388	2402.651	---	---
		2441	1.260	2440.388	2441.648	---	---
		2480	1.299	2479.364	2480.663	---	---
3DH5	Ant1	2402	1.293	2401.364	2402.657	---	---
		2441	1.308	2440.367	2441.675	---	---
		2480	1.305	2479.364	2480.669	---	---

Test Graphs

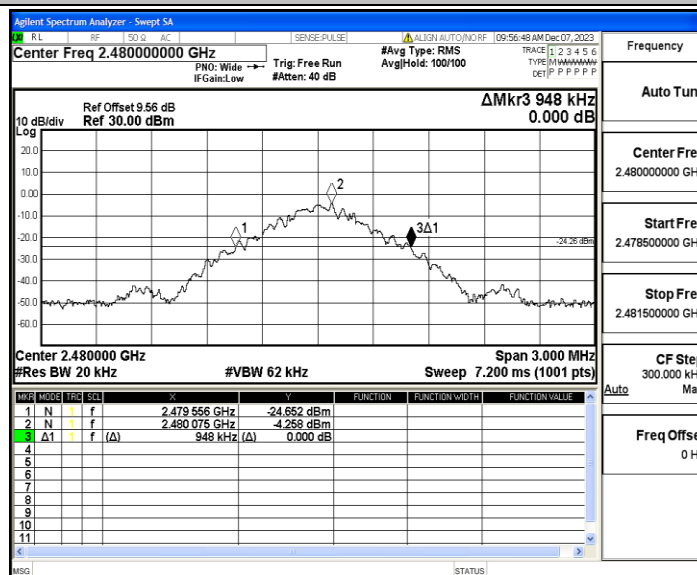
DH5_Ant1_2402



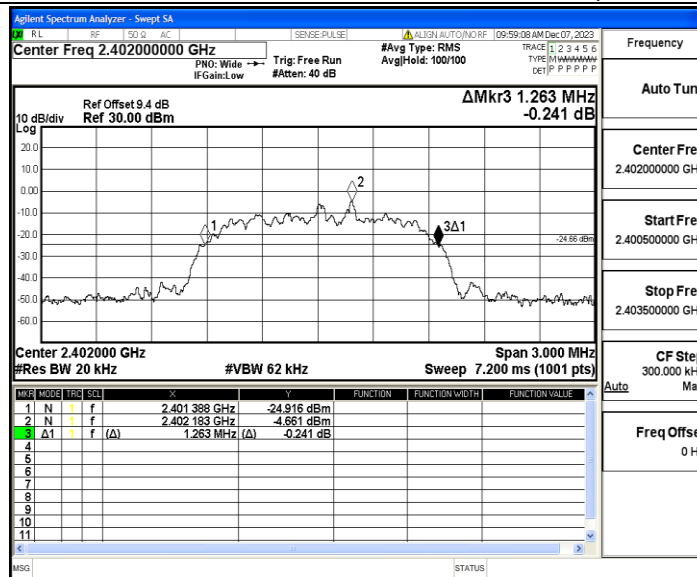
DH5_Ant1_2441



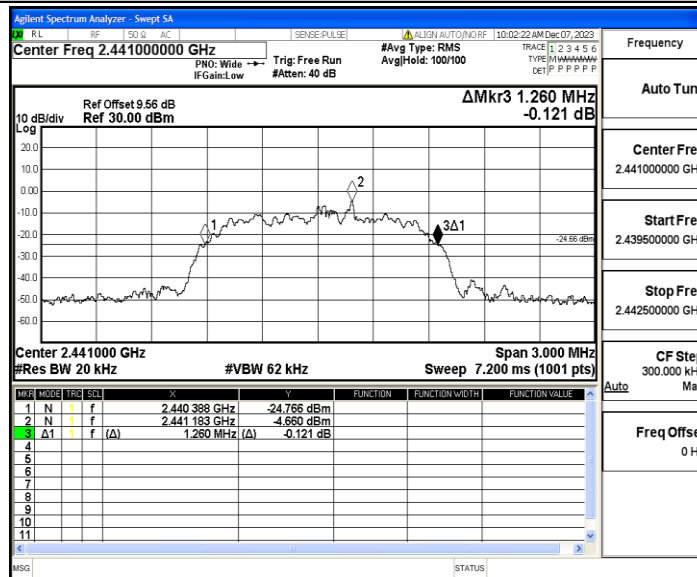
DH5_Ant1_2480



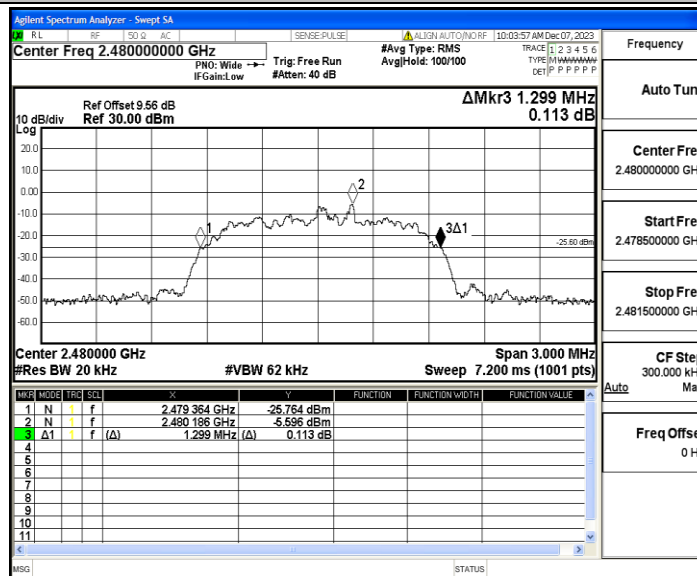
2DH5_Ant1_2402



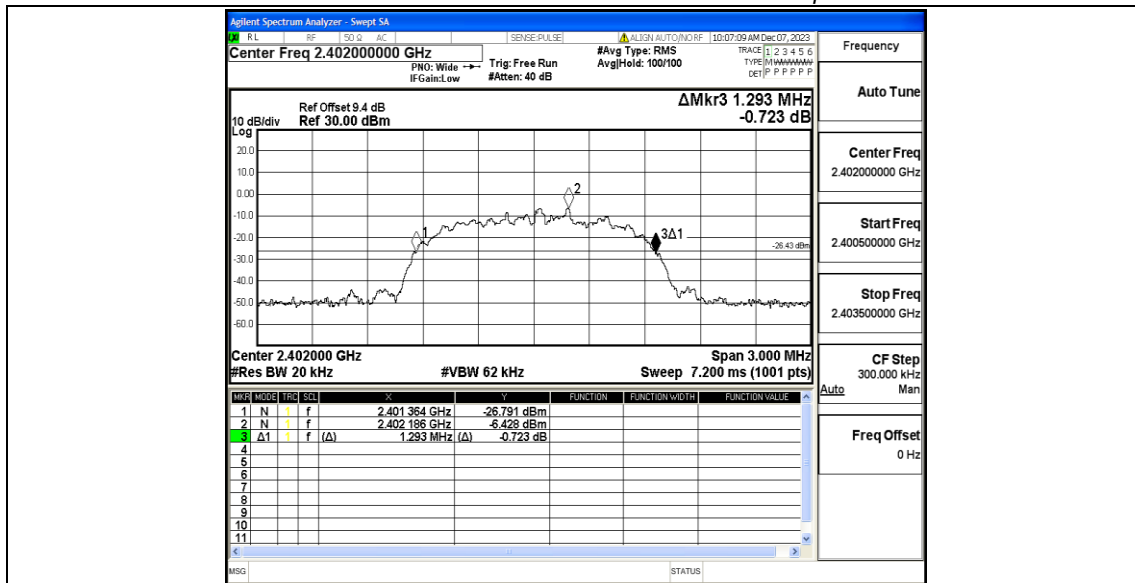
2DH5_Ant1_2441



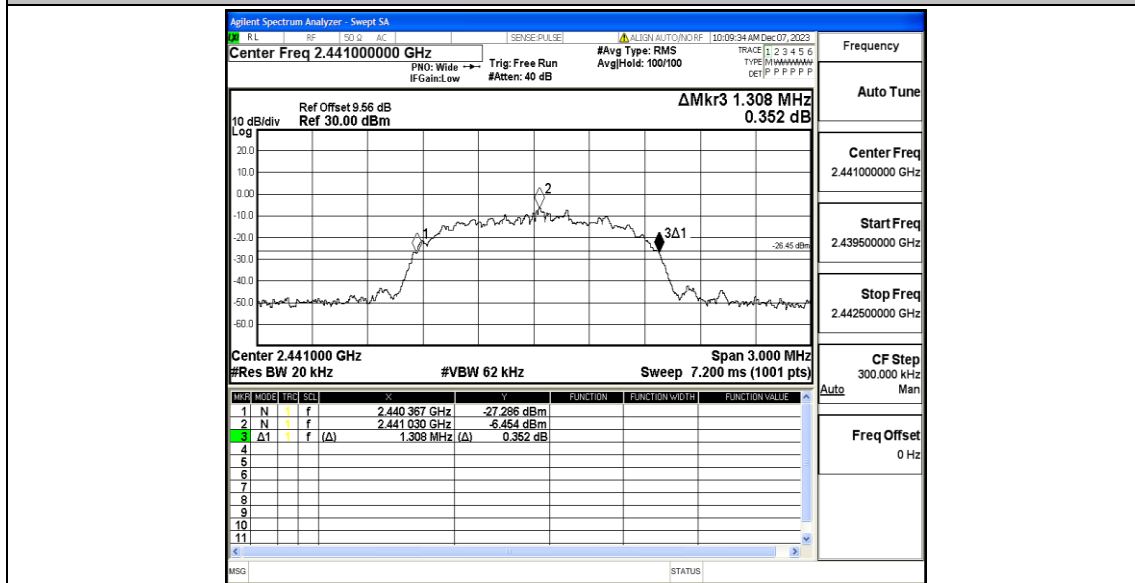
2DH5_Ant1_2480



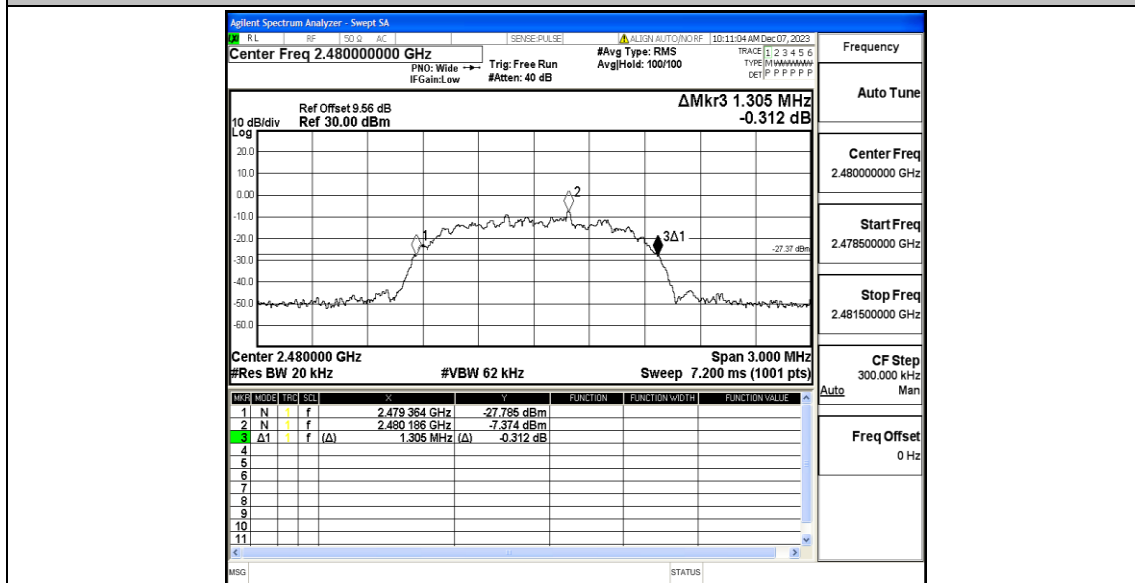
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



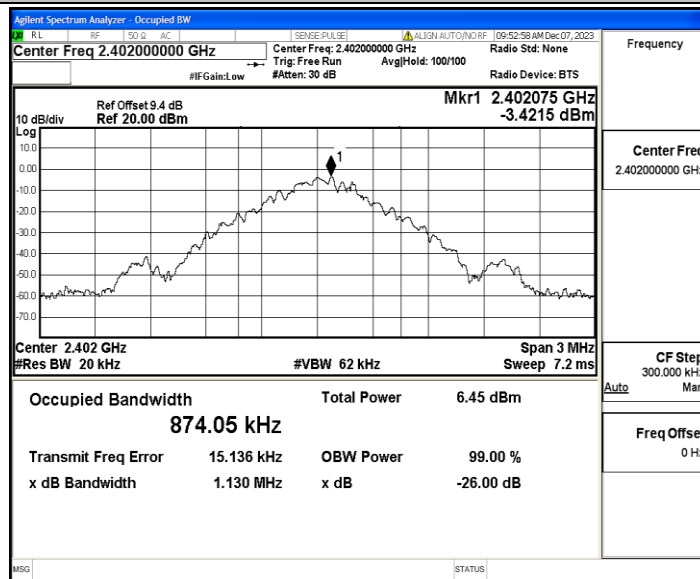
Appendix B: Occupied Channel Bandwidth

Test Result

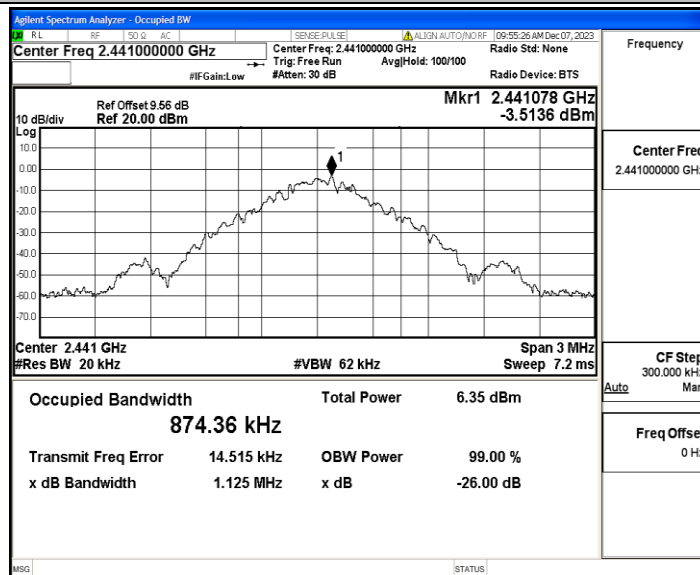
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87405	2401.5781	2402.4522	---	---
		2441	0.87436	2440.5773	2441.4517	---	---
		2480	0.87840	2479.5780	2480.4564	---	---
2DH5	Ant1	2402	1.1844	2401.4244	2402.6088	---	---
		2441	1.1734	2440.4288	2441.6022	---	---
		2480	1.1727	2479.4292	2480.6019	---	---
3DH5	Ant1	2402	1.1793	2401.4222	2402.6015	---	---
		2441	1.1749	2440.4266	2441.6015	---	---
		2480	1.1790	2479.4235	2480.6025	---	---

Test Graphs

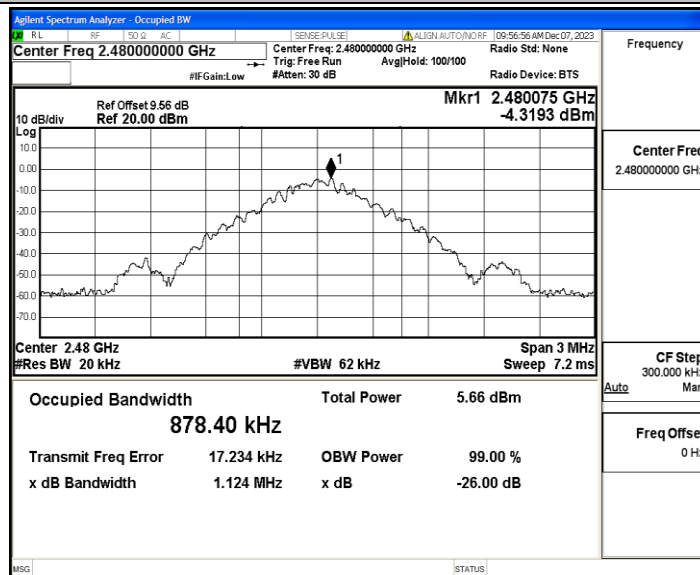
DH5_Ant1_2402



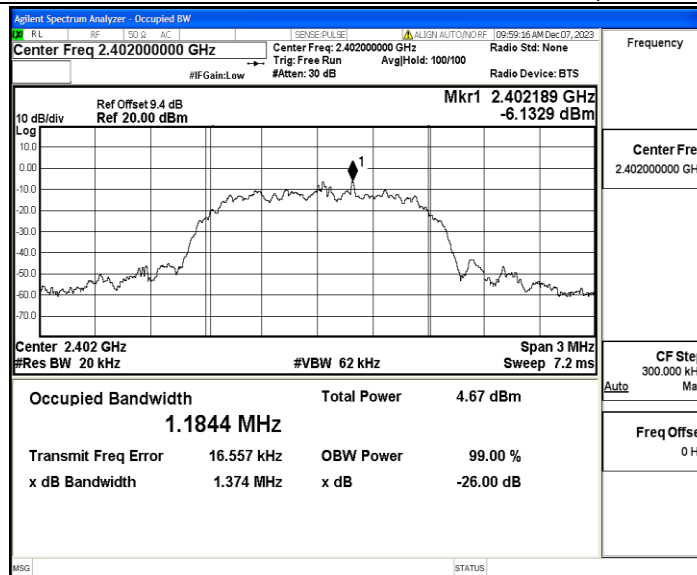
DH5_Ant1_2441



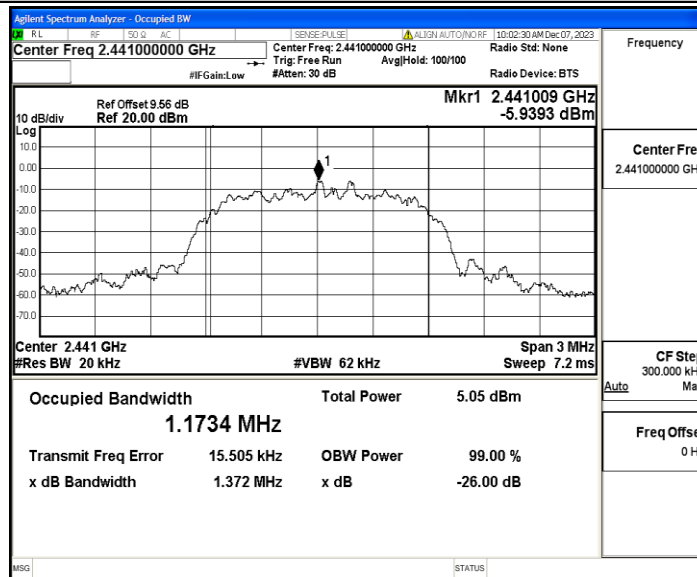
DH5_Ant1_2480



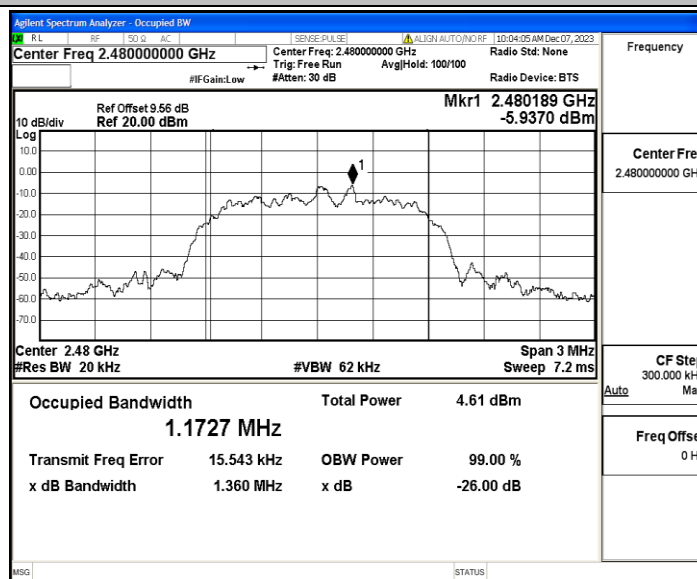
2DH5_Ant1_2402



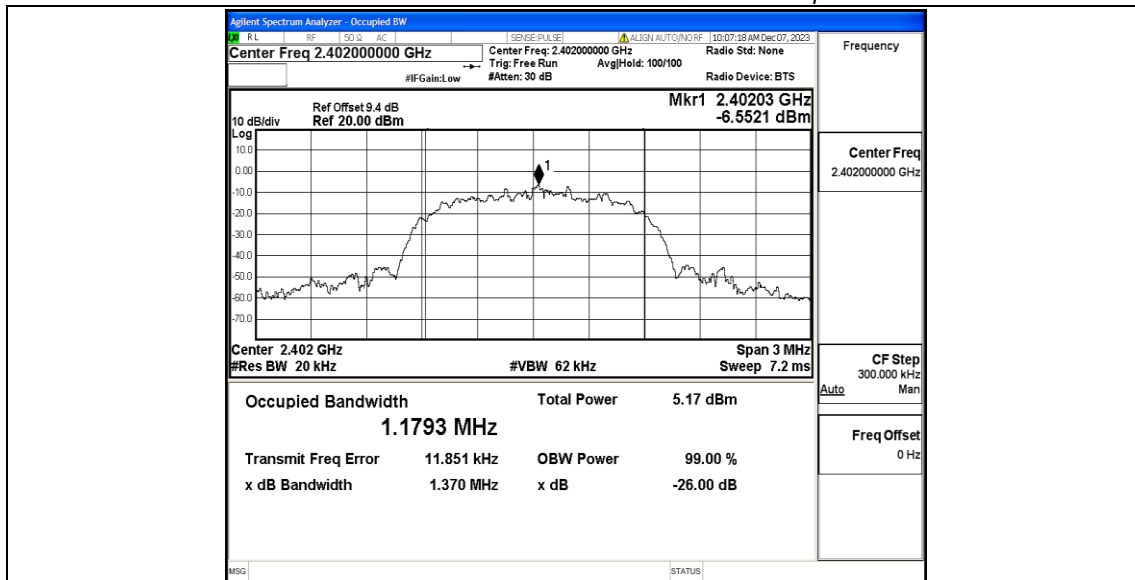
2DH5_Ant1_2441



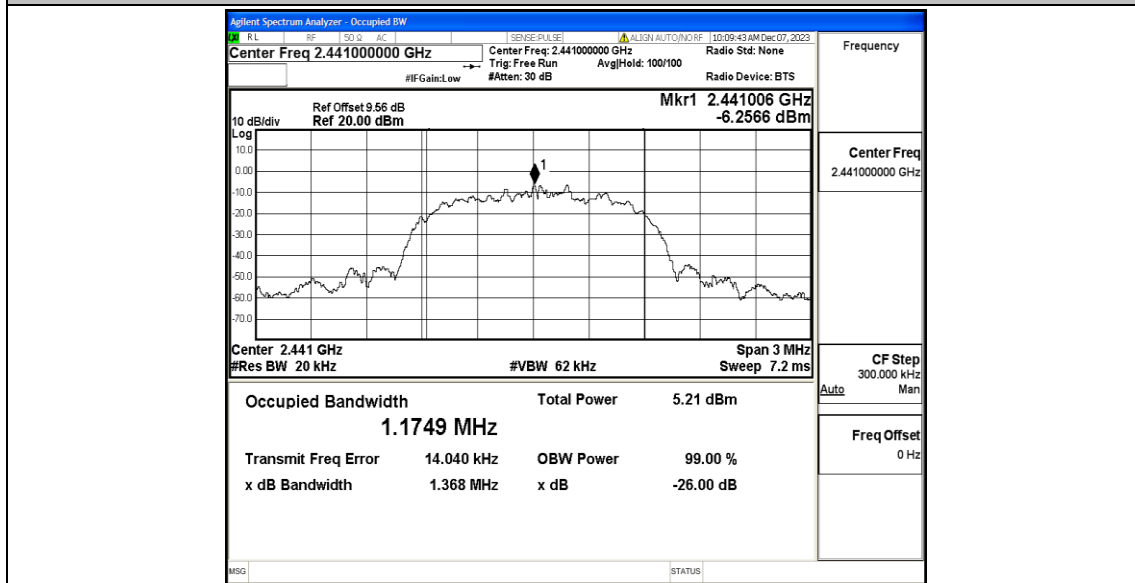
2DH5_Ant1_2480



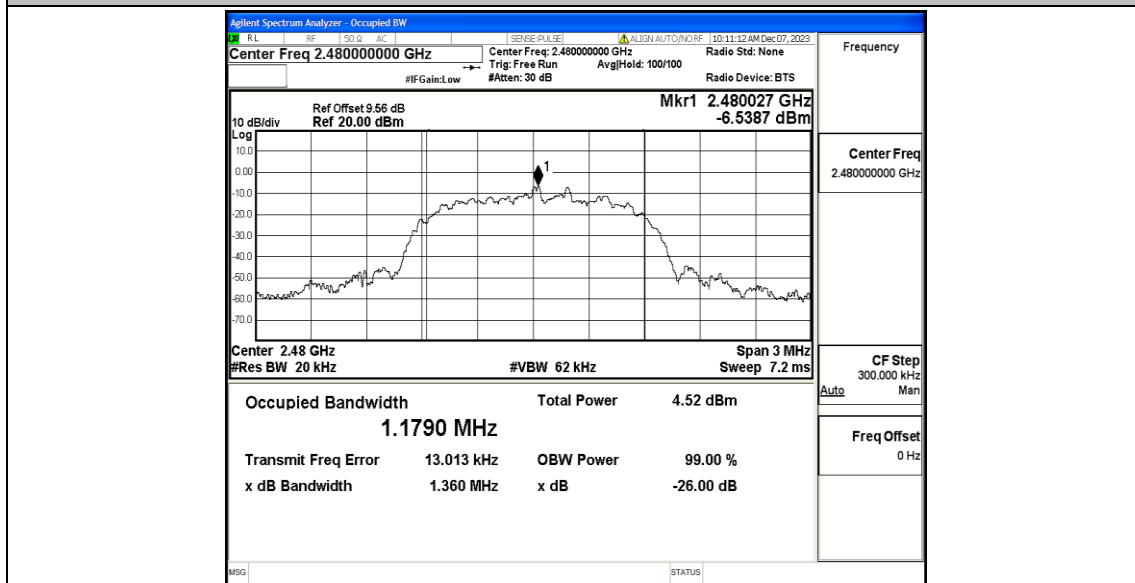
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



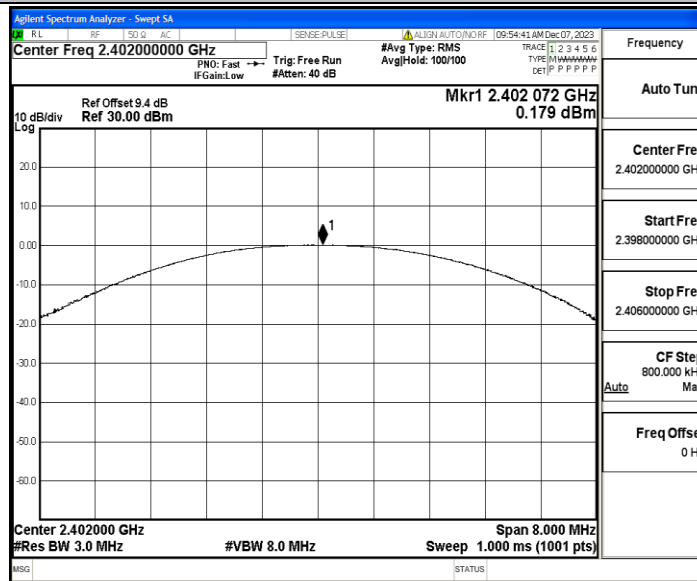
Appendix C: Maximum Peak conducted output power

Test Result

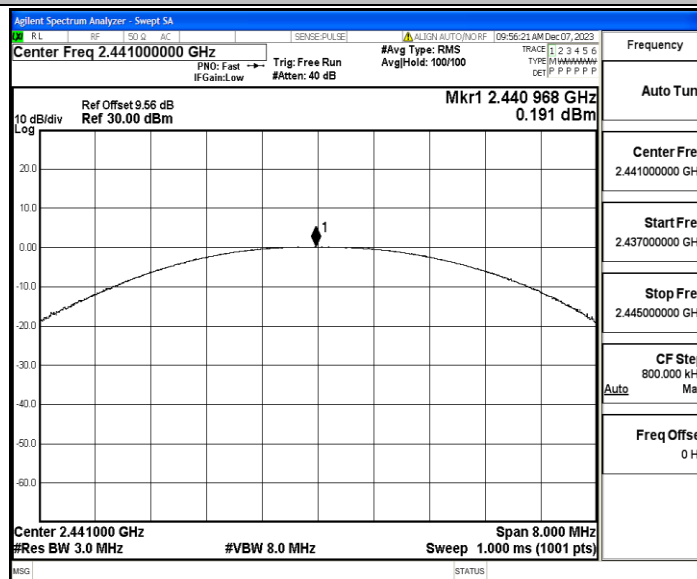
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	0.18	≤30	PASS
		2441	0.19	≤30	PASS
		2480	-0.46	≤30	PASS
2DH5	Ant1	2402	0.52	≤20.97	PASS
		2441	0.47	≤20.97	PASS
		2480	-0.2	≤20.97	PASS
3DH5	Ant1	2402	0.94	≤20.97	PASS
		2441	1.05	≤20.97	PASS
		2480	0.29	≤20.97	PASS

Test Graphs

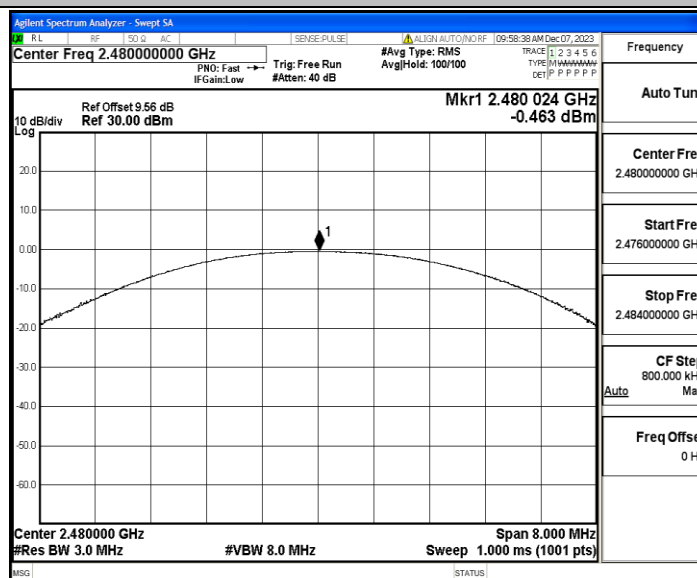
DH5_Ant1_2402



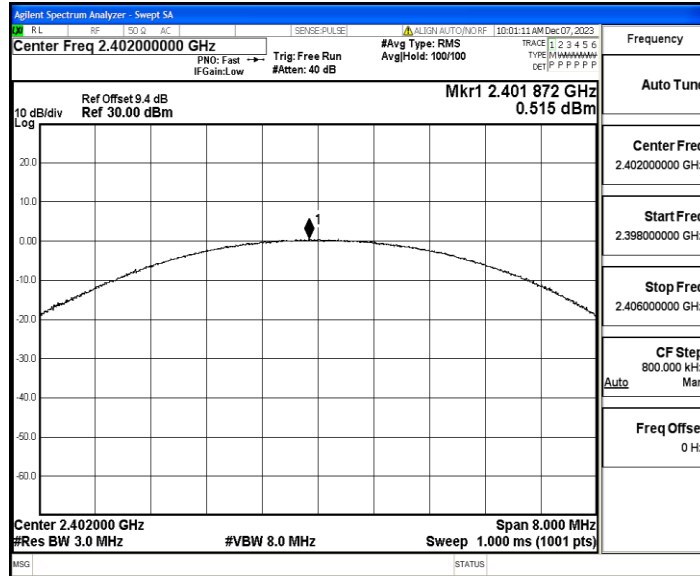
DH5_Ant1_2441



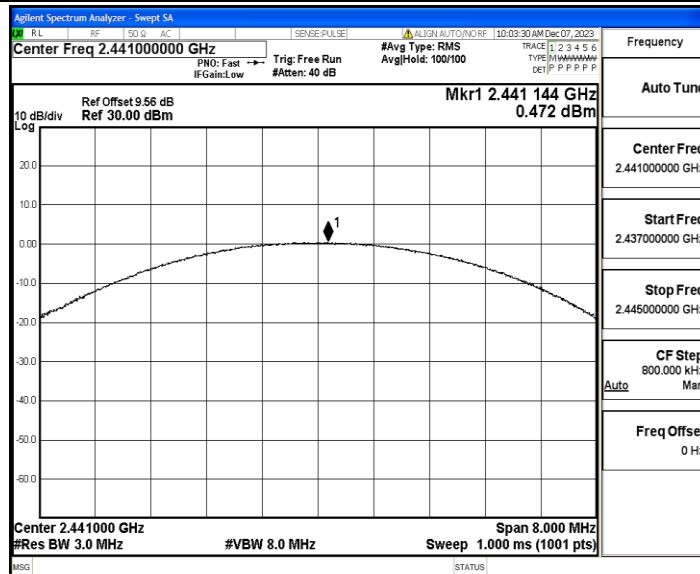
DH5_Ant1_2480



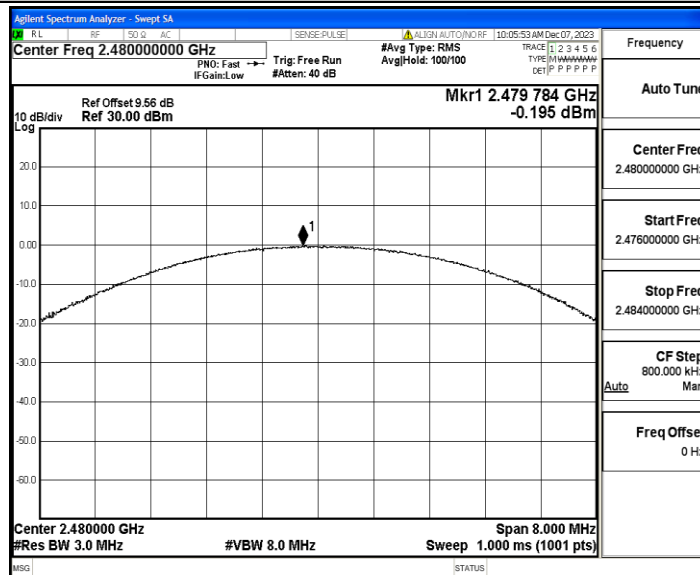
2DH5_Ant1_2402



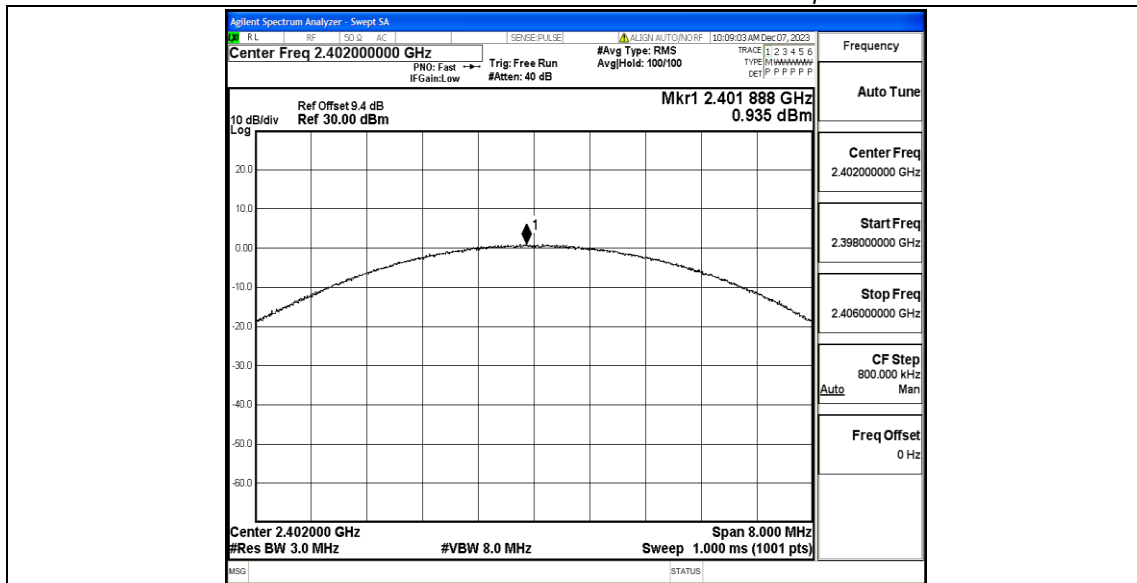
2DH5_Ant1_2441



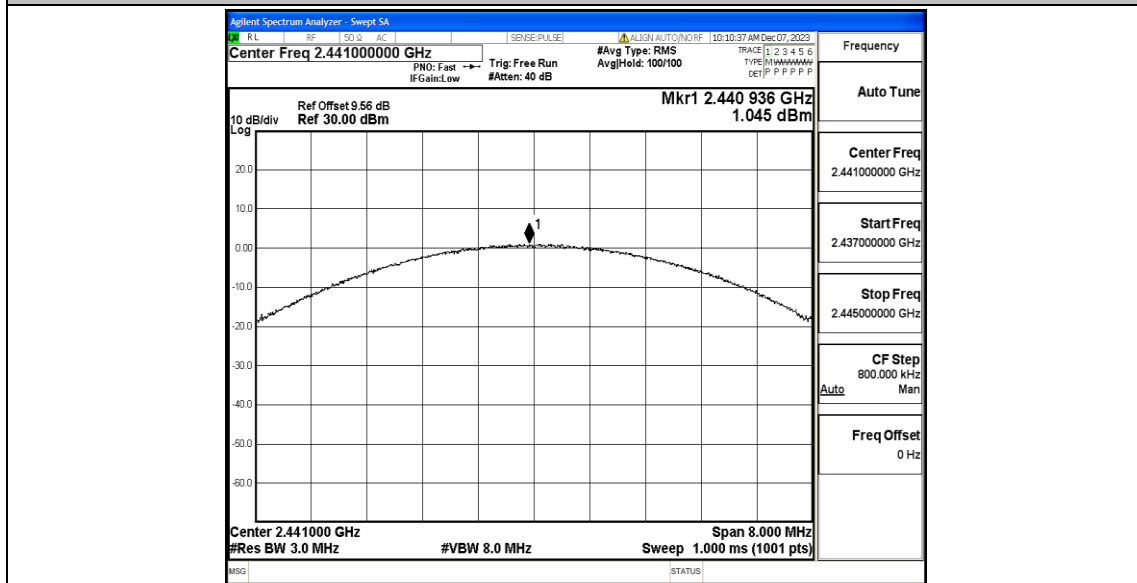
2DH5_Ant1_2480



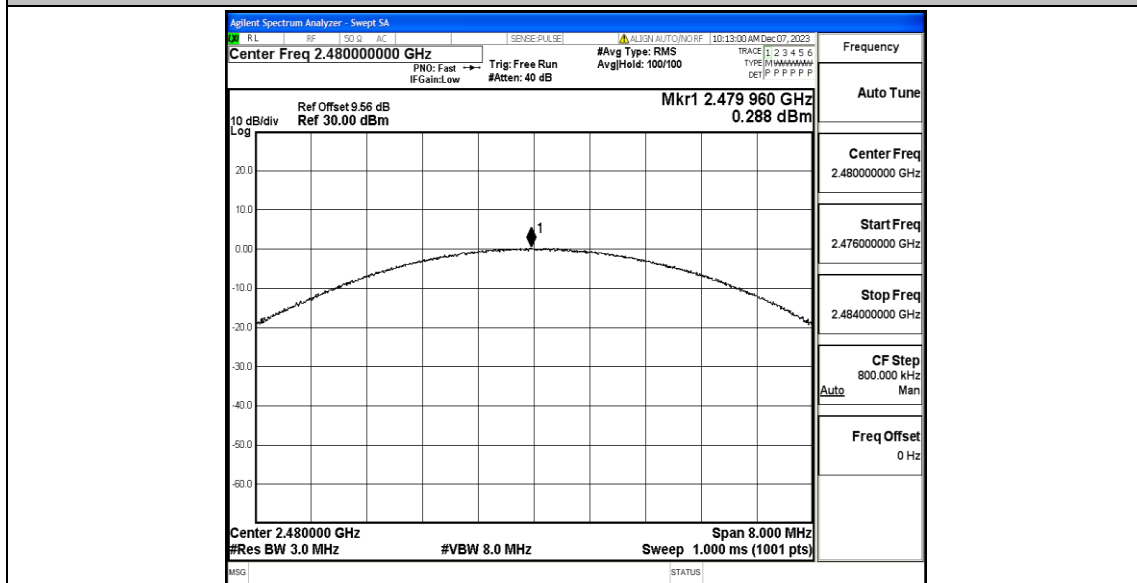
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



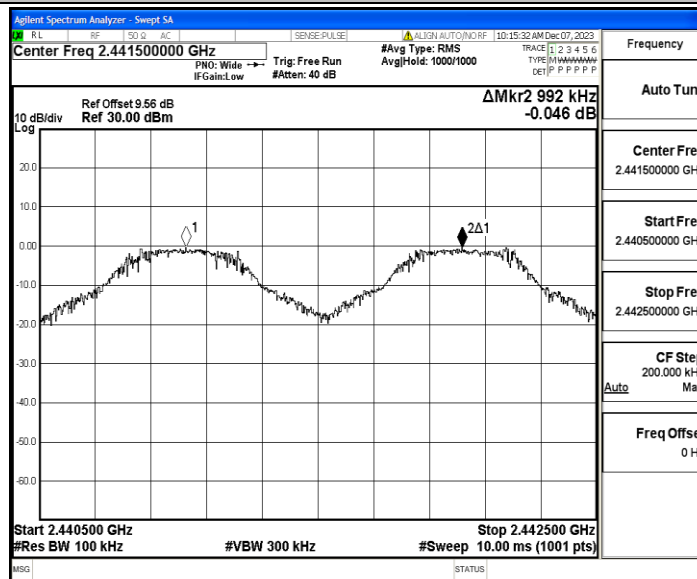
Appendix D: Carrier frequency separation

Test Result

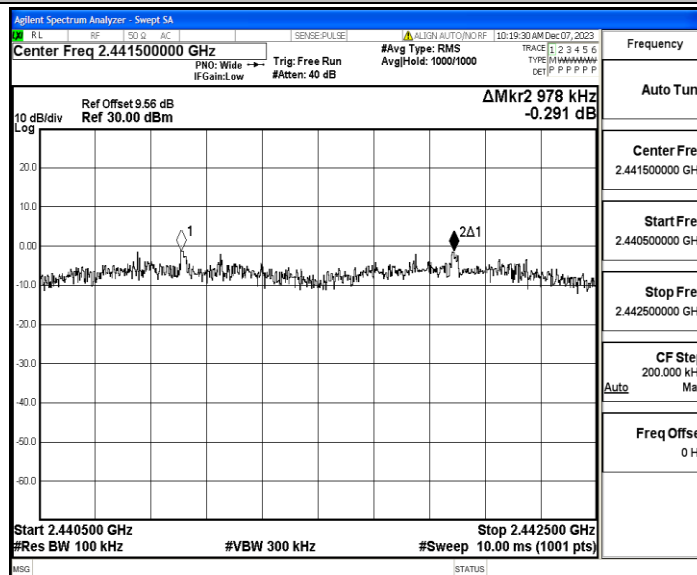
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	≥ 0.951	PASS
2DH5	Ant1	Hop	0.978	≥ 0.866	PASS
3DH5	Ant1	Hop	1.172	≥ 0.872	PASS

Test Graphs

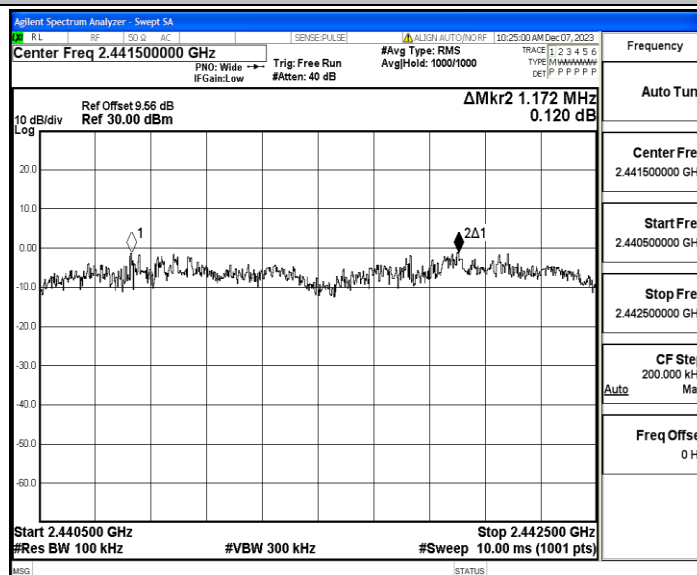
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

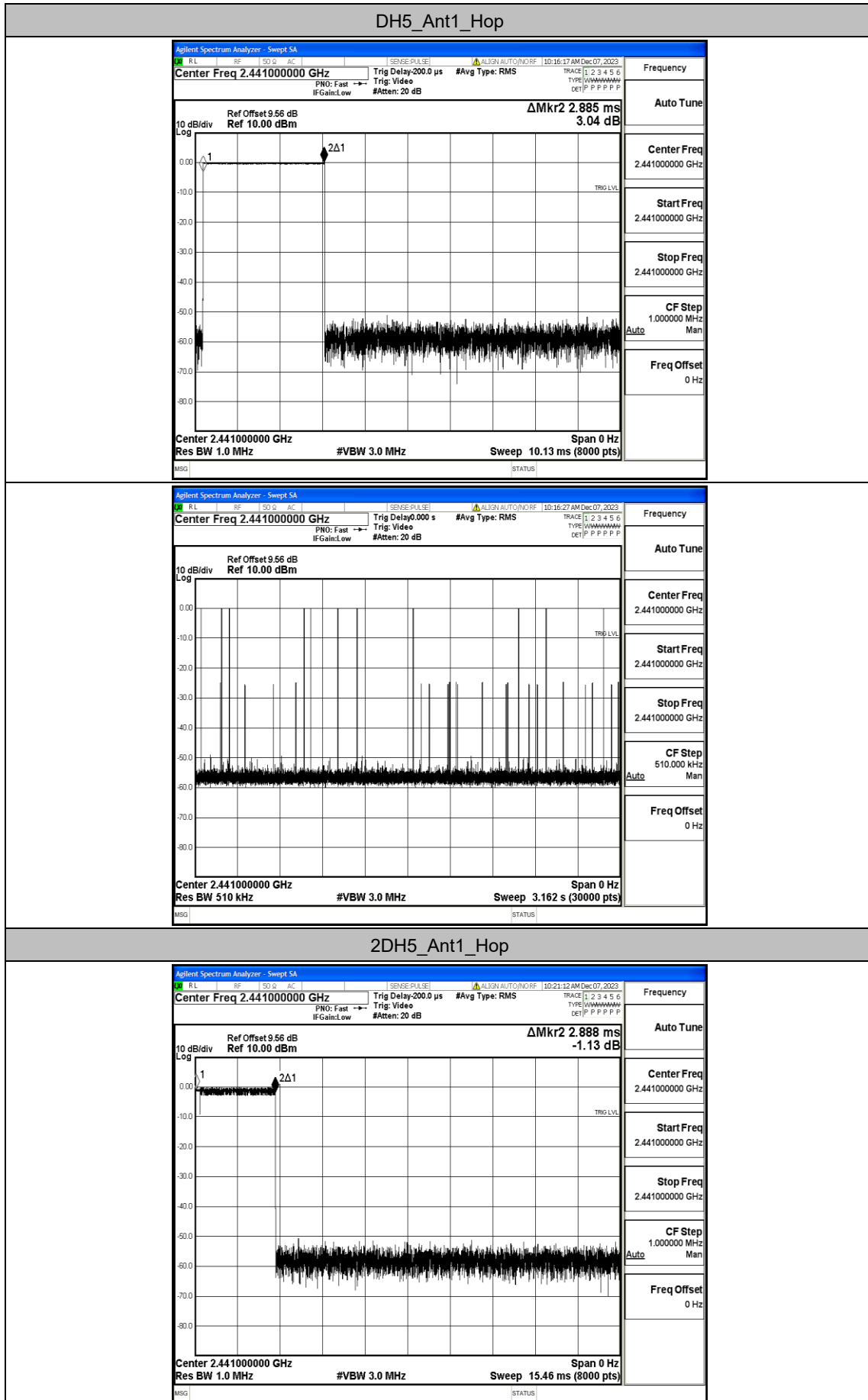


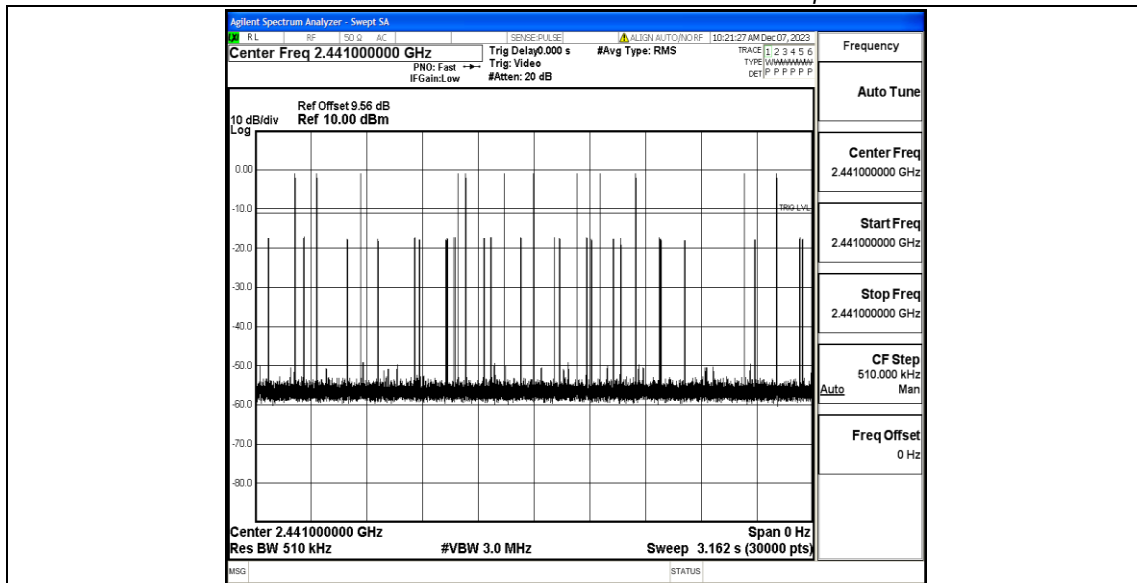
Appendix E: Time of occupancy

Test Result

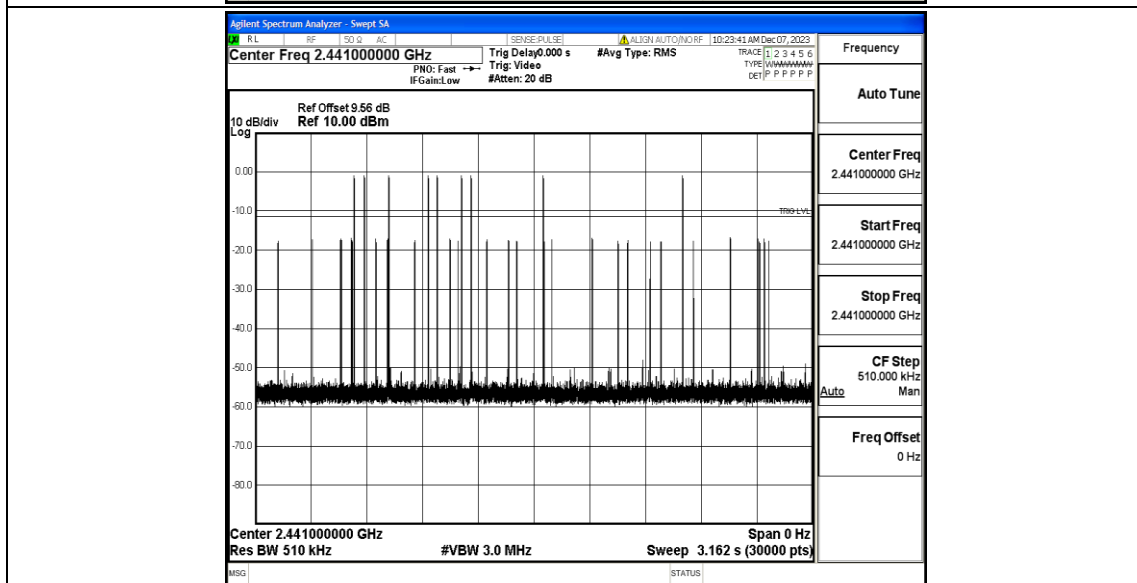
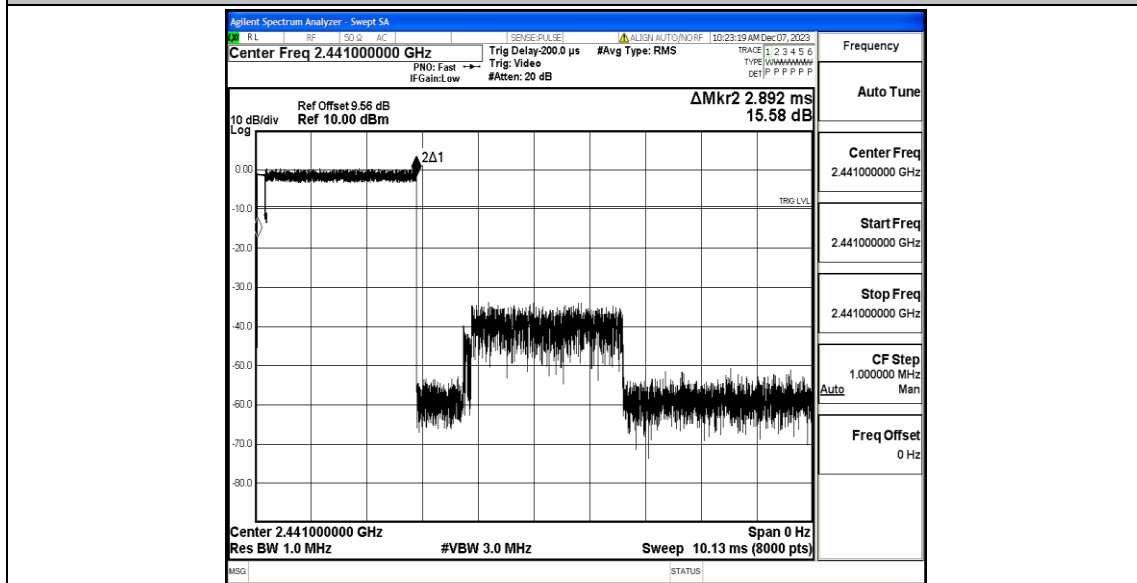
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	120	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.888	130	0.375	≤0.4	PASS
3DH5	Ant1	Hop	2.892	100	0.289	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop



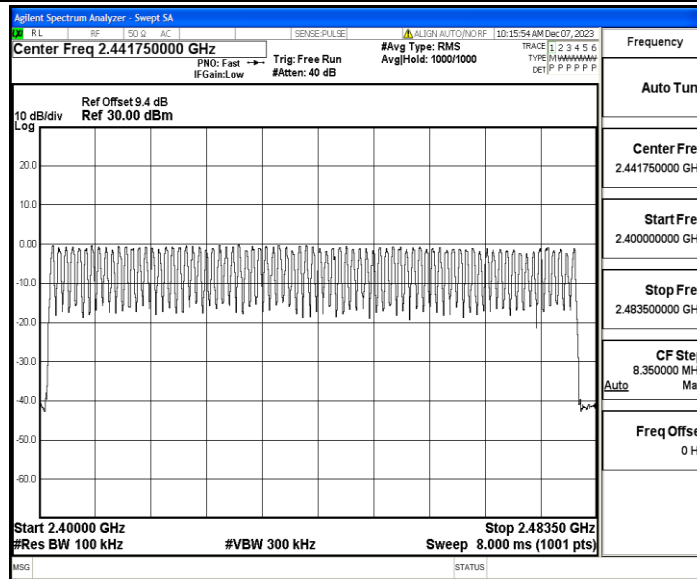
Appendix F: Number of hopping channels

Test Result

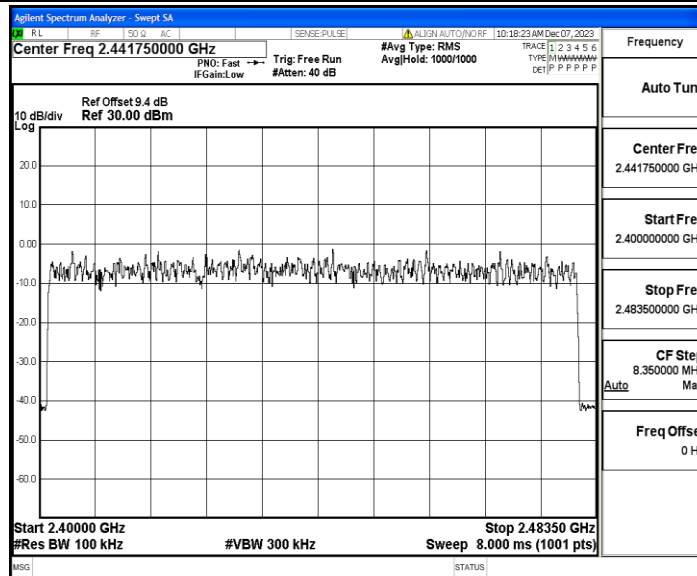
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

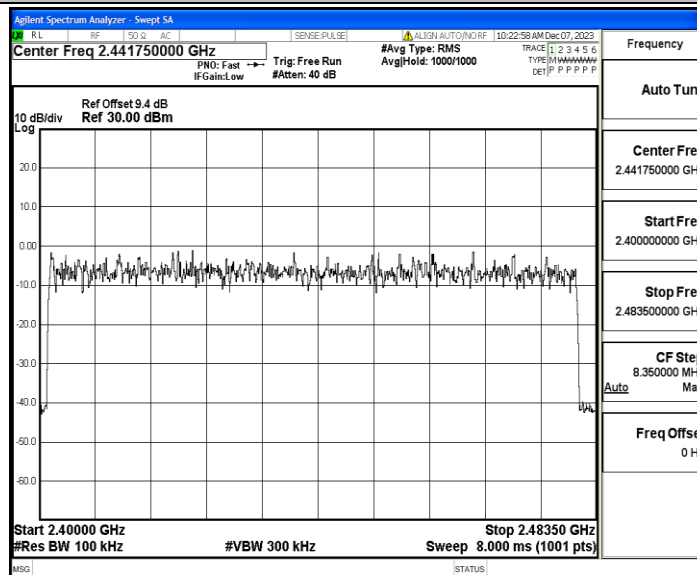
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



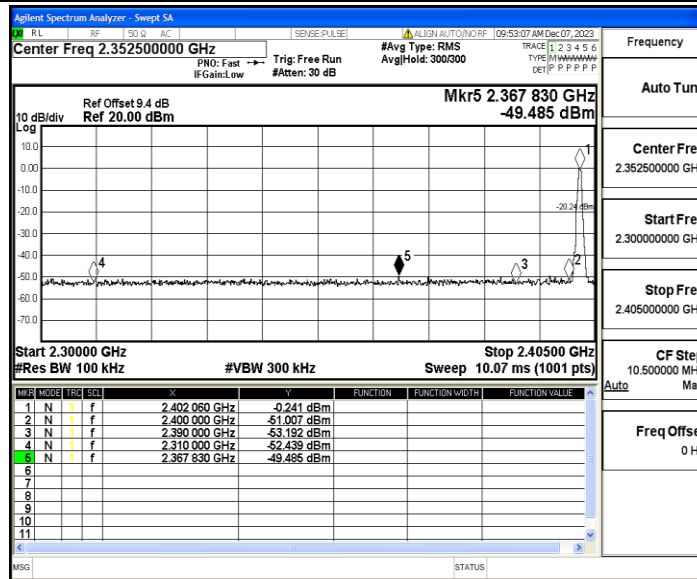
Appendix G: Band edge measurements

Test Result

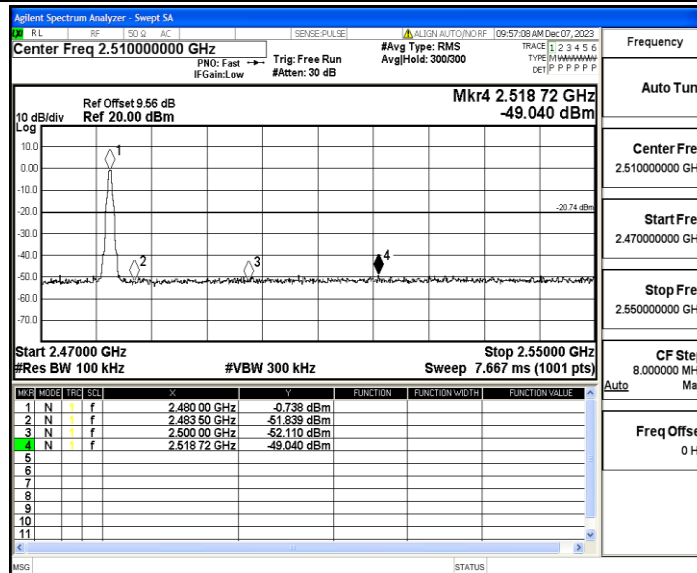
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.24	-49.49	≤ -20.24	PASS
		High	2480	-0.74	-49.04	≤ -20.74	PASS
		Low	Hop_2402	-1.19	-50.28	≤ -21.19	PASS
		High	Hop_2480	-1.30	-49	≤ -21.3	PASS
2DH5	Ant1	Low	2402	-1.53	-49.85	≤ -21.53	PASS
		High	2480	-1.81	-49.16	≤ -21.81	PASS
		Low	Hop_2402	-3.41	-49.84	≤ -23.41	PASS
		High	Hop_2480	-3.91	-48.95	≤ -23.91	PASS
3DH5	Ant1	Low	2402	-1.56	-49.8	≤ -21.56	PASS
		High	2480	-2.61	-49.06	≤ -22.61	PASS
		Low	Hop_2402	-3.98	-50.11	≤ -23.98	PASS
		High	Hop_2480	-4.55	-49.41	≤ -24.55	PASS

Test Graphs

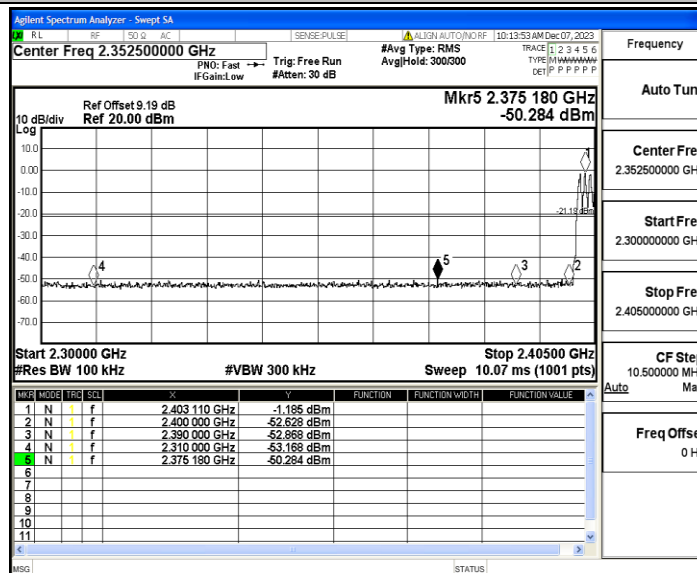
DH5_Ant1_Low_2402



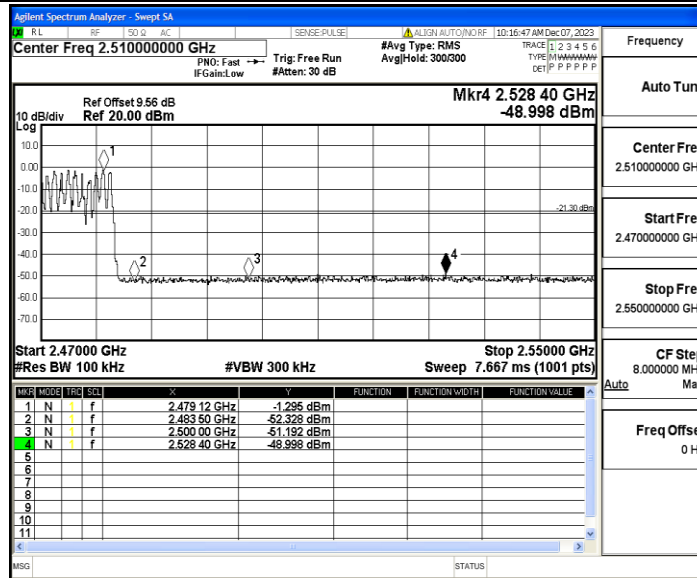
DH5_Ant1_High_2480



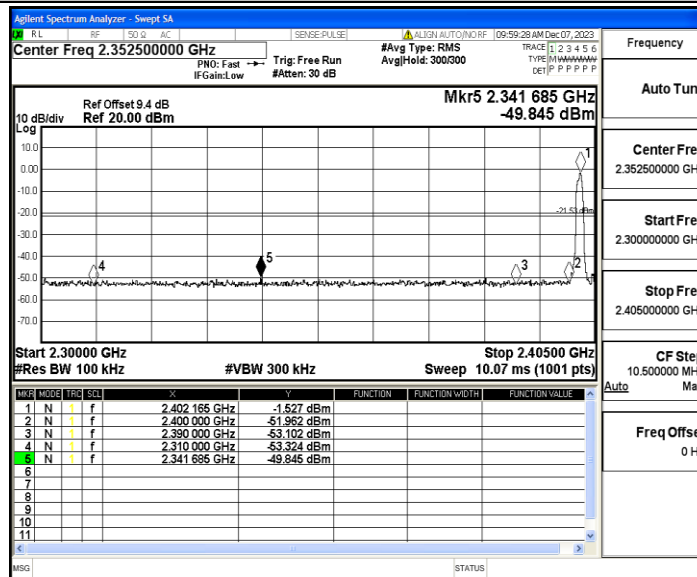
DH5_Ant1_Low_Hop_2402



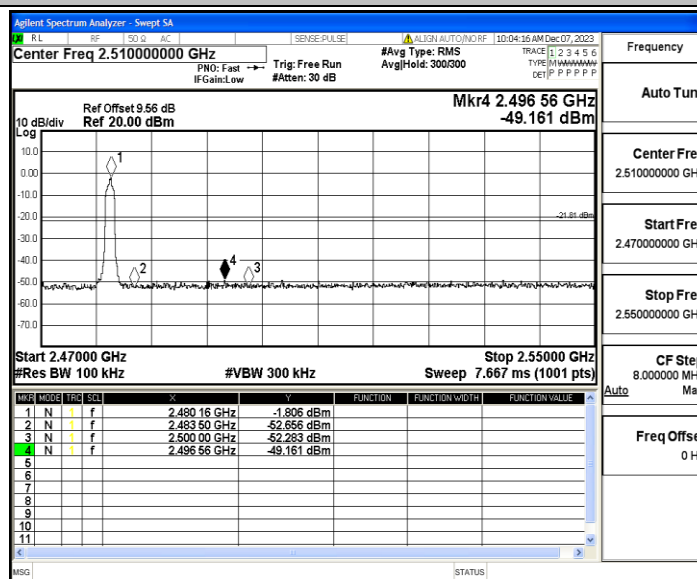
DH5_Ant1_High_Hop_2480



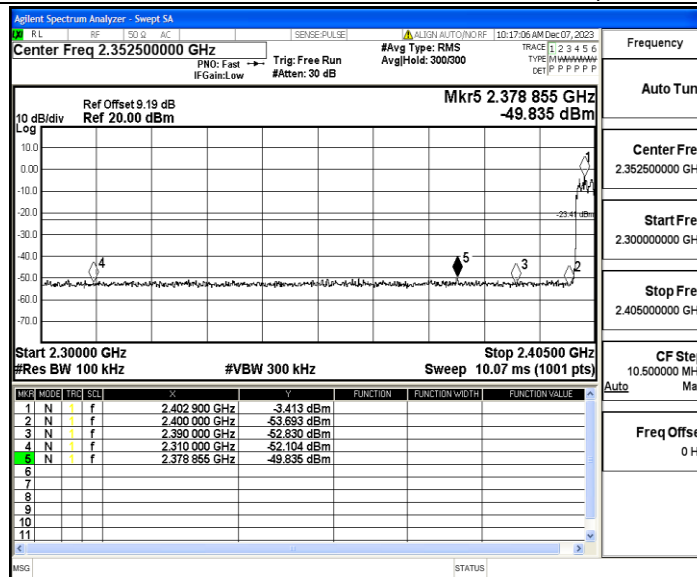
2DH5_Ant1_Low_2402



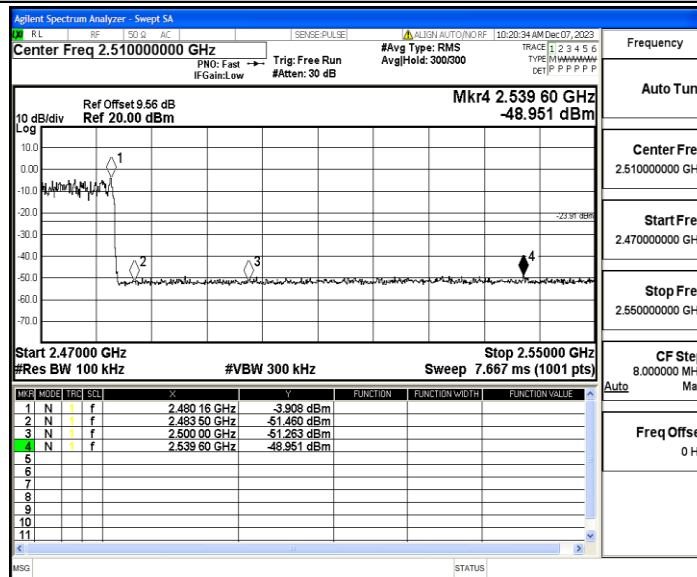
2DH5_Ant1_High_2480



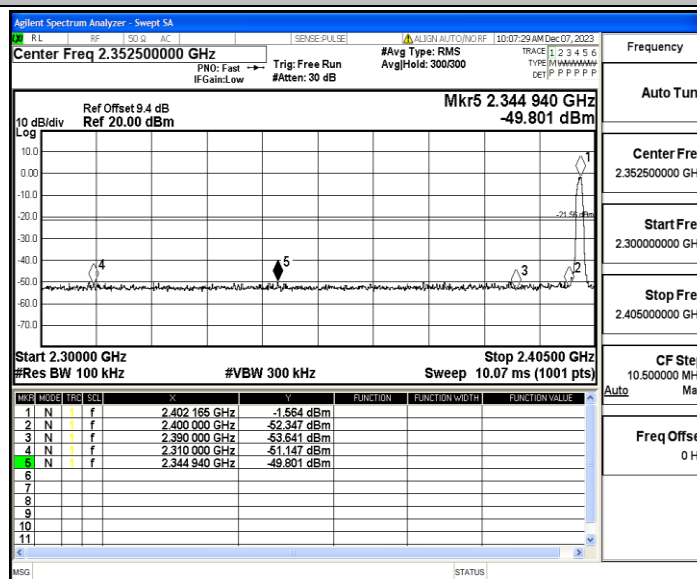
2DH5_Ant1_Low_Hop_2402



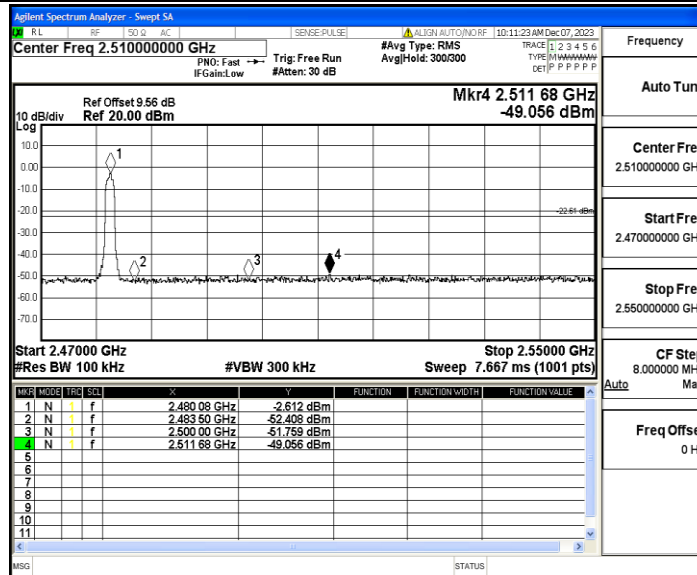
2DH5_Ant1_High_Hop_2480



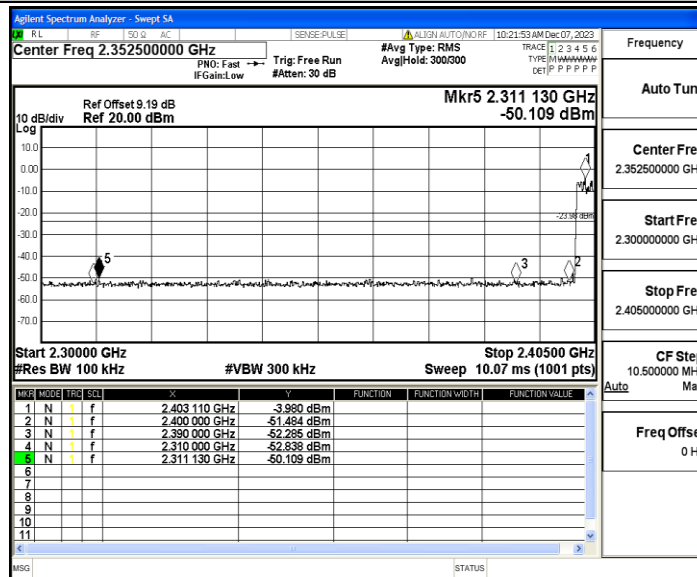
3DH5_Ant1_Low_2402



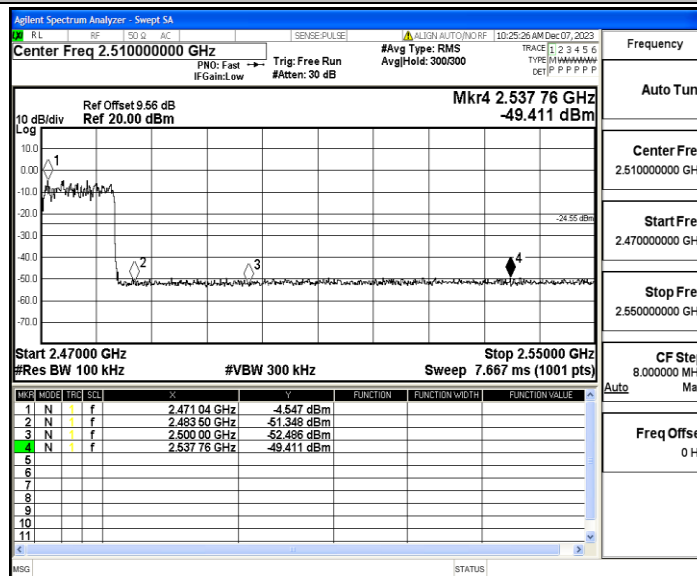
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



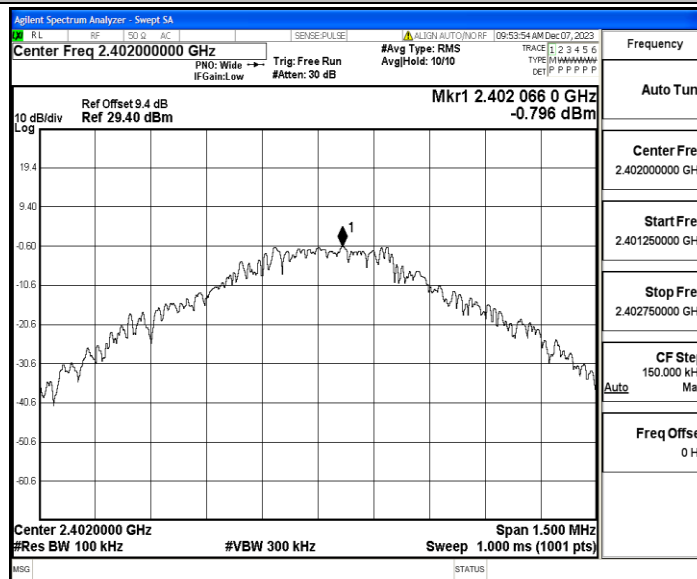
Appendix H: Conducted Spurious Emission

Test Result

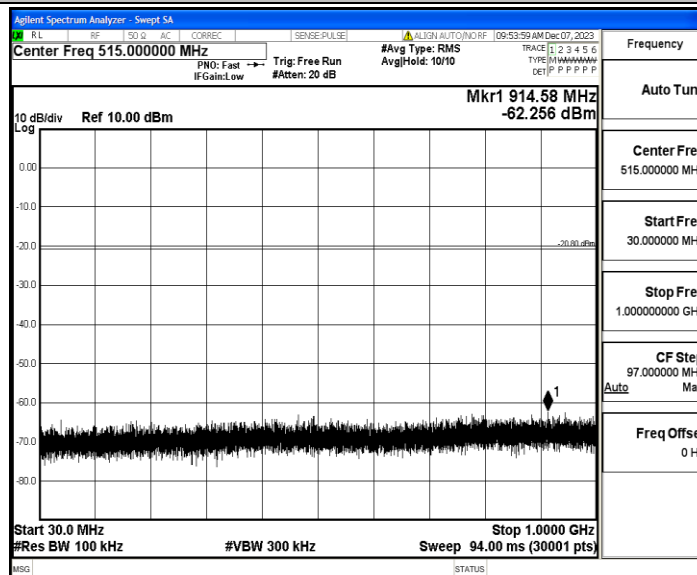
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.80	-0.80	---	PASS
			30~1000	-0.80	-62.26	≤-20.8	PASS
			1000~26500	-0.80	-50.3	≤-20.8	PASS
		2441	Reference	-0.94	-0.94	---	PASS
			30~1000	-0.94	-62.53	≤-20.94	PASS
			1000~26500	-0.94	-50.26	≤-20.94	PASS
		2480	Reference	-1.55	-1.55	---	PASS
			30~1000	-1.55	-62.64	≤-21.55	PASS
			1000~26500	-1.55	-49.85	≤-21.55	PASS
2DH5	Ant1	2402	Reference	-2.64	-2.64	---	PASS
			30~1000	-2.64	-62.85	≤-22.64	PASS
			1000~26500	-2.64	-49.5	≤-22.64	PASS
		2441	Reference	-4.67	-4.67	---	PASS
			30~1000	-4.67	-61.95	≤-24.67	PASS
			1000~26500	-4.67	-49.8	≤-24.67	PASS
		2480	Reference	-4.02	-4.02	---	PASS
			30~1000	-4.02	-62.51	≤-24.02	PASS
			1000~26500	-4.02	-49.15	≤-24.02	PASS
3DH5	Ant1	2402	Reference	-4.04	-4.04	---	PASS
			30~1000	-4.04	-62.57	≤-24.04	PASS
			1000~26500	-4.04	-49.53	≤-24.04	PASS
		2441	Reference	-1.83	-1.83	---	PASS
			30~1000	-1.83	-62.31	≤-21.83	PASS
			1000~26500	-1.83	-49.77	≤-21.83	PASS
		2480	Reference	-1.88	-1.88	---	PASS
			30~1000	-1.88	-61.91	≤-21.88	PASS
			1000~26500	-1.88	-49.86	≤-21.88	PASS

Test Graphs

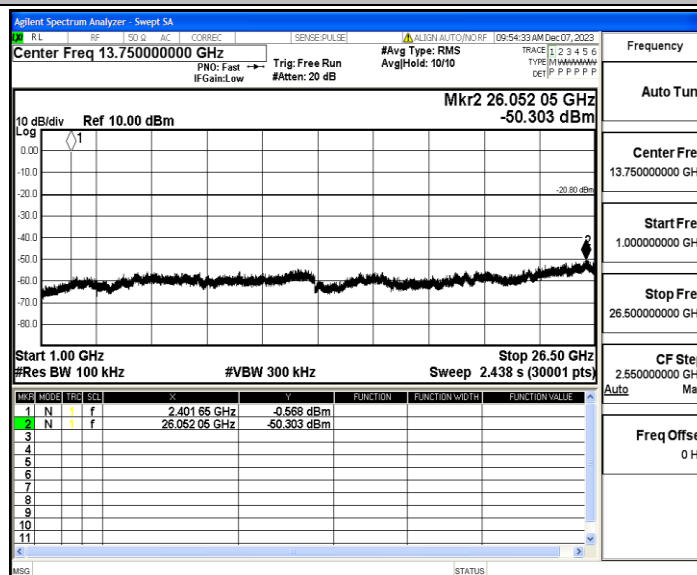
DH5_Ant1_2402_0~Reference



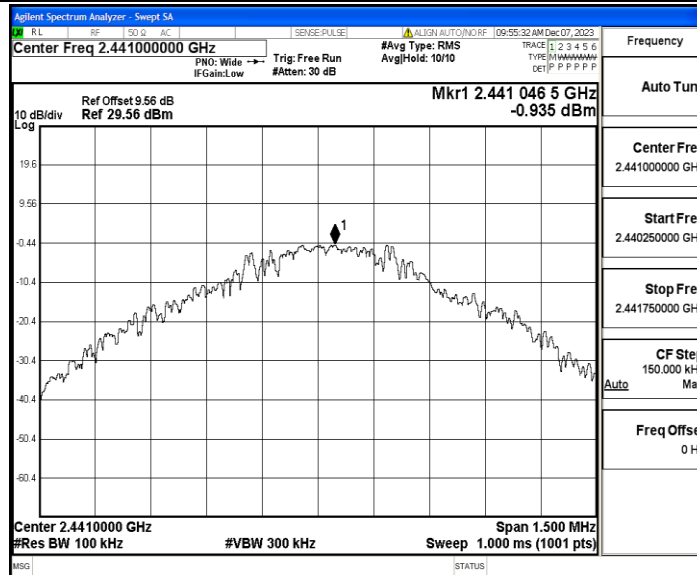
DH5_Ant1_2402_30~1000



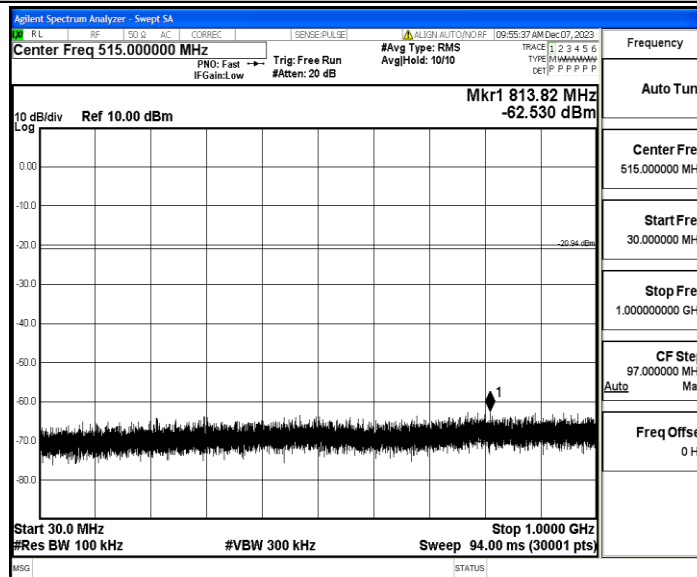
DH5_Ant1_2402_1000~26500



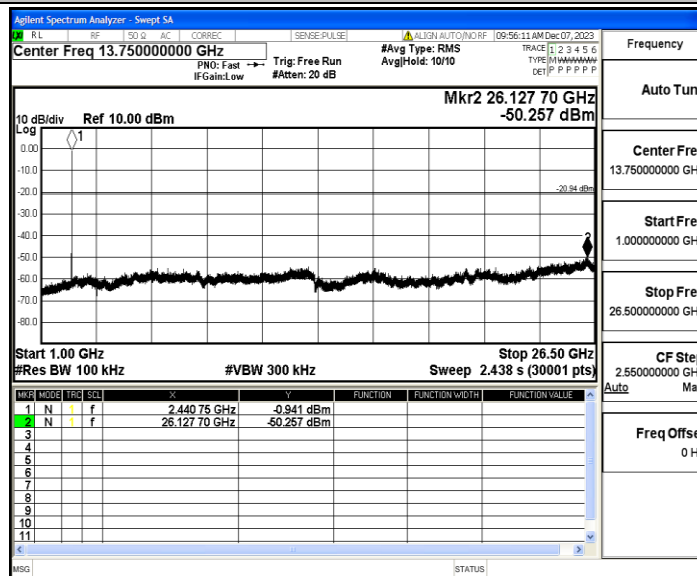
DH5_Ant1_2441_0~Reference



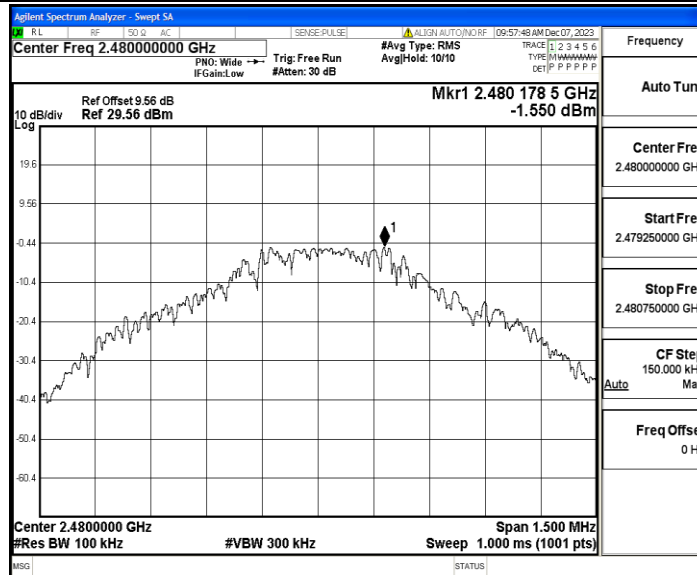
DH5_Ant1_2441_30~1000



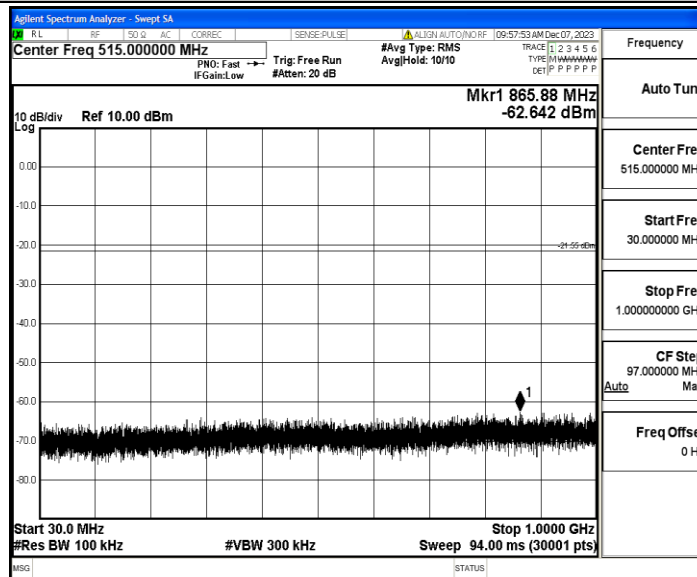
DH5_Ant1_2441_1000~26500



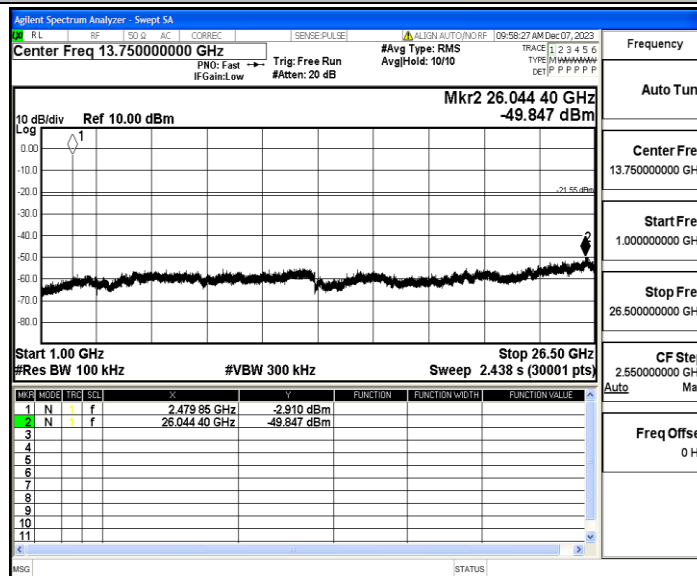
DH5_Ant1_2480_0~Reference



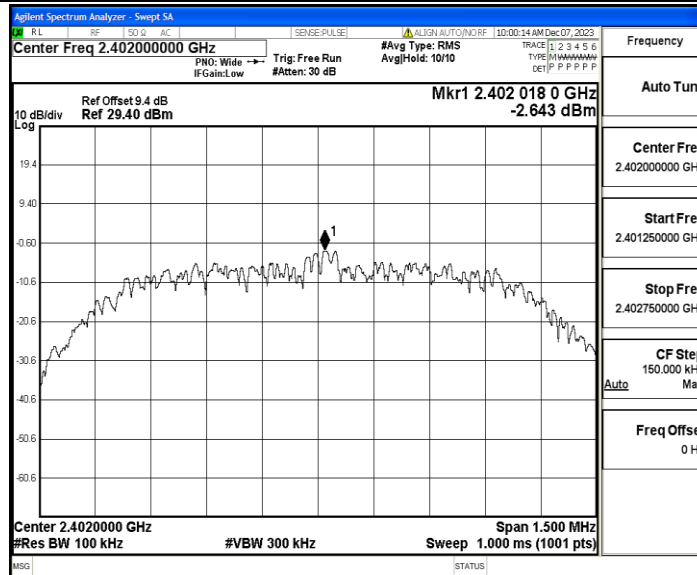
DH5_Ant1_2480_30~1000



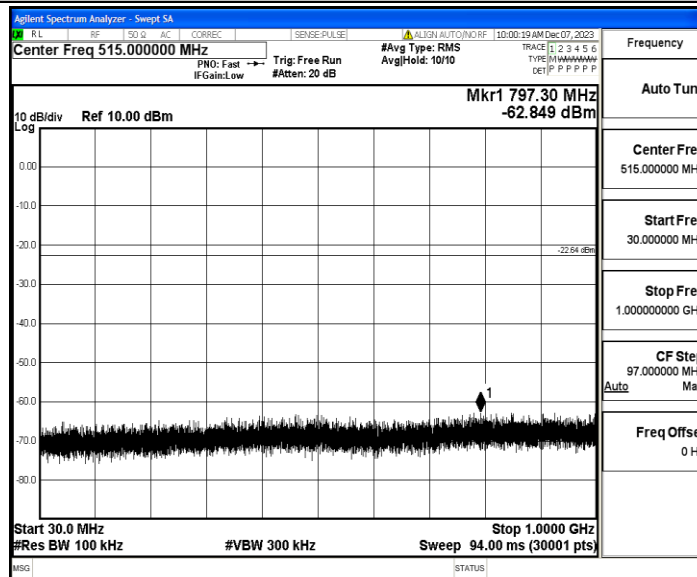
DH5_Ant1_2480_1000~26500



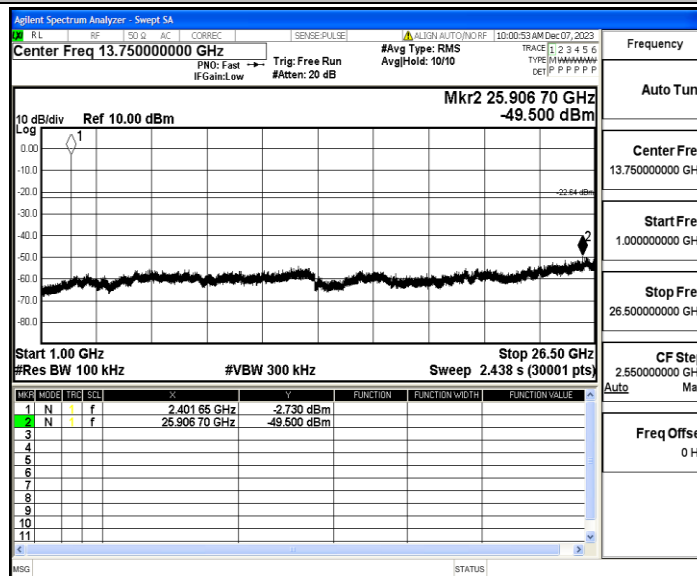
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference