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

Product Name: Boomcore P06

Trade Mark: Boomcore

Test Model: P06

FCC ID: 2BAFS-P06

Environmental Conditions

Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

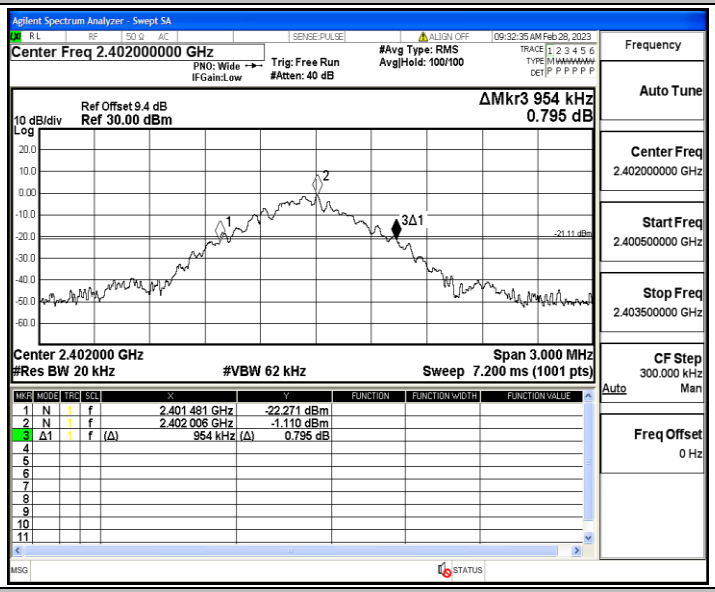
Appendix A: 20dB Emission Bandwidth

Test Result

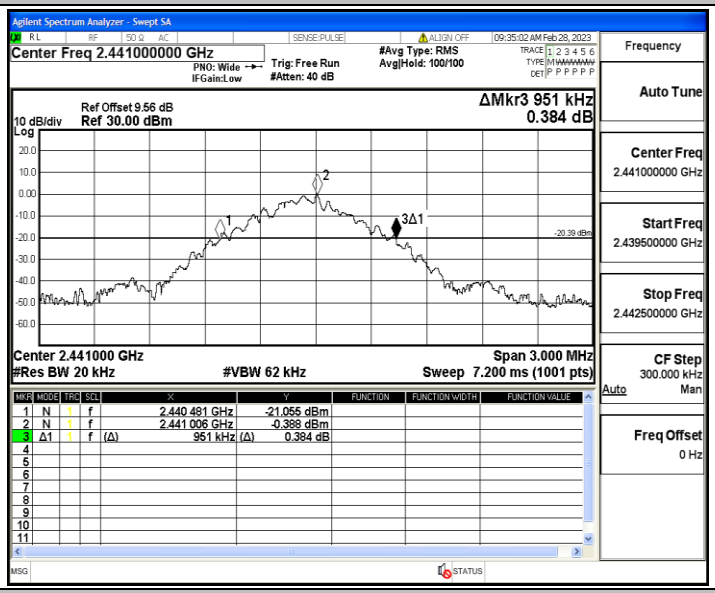
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.954	2401.481	2402.435	---	---
		2441	0.951	2440.481	2441.432	---	---
		2480	0.957	2479.481	2480.438	---	---
2DH5	Ant1	2402	1.353	2401.274	2402.627	---	---
		2441	1.356	2440.274	2441.630	---	---
		2480	1.356	2479.271	2480.627	---	---
3DH5	Ant1	2402	1.344	2401.271	2402.615	---	---
		2441	1.344	2440.271	2441.615	---	---
		2480	1.344	2479.271	2480.615	---	---

Test Graphs

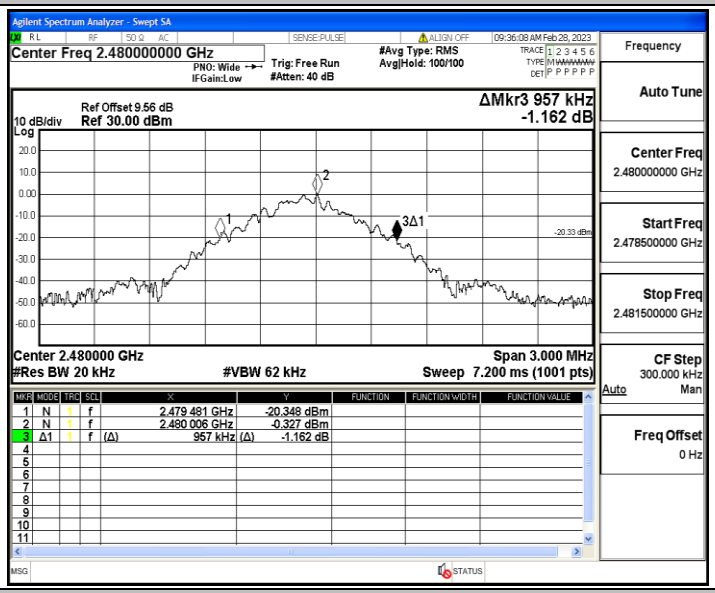
DH5_Ant1_2402



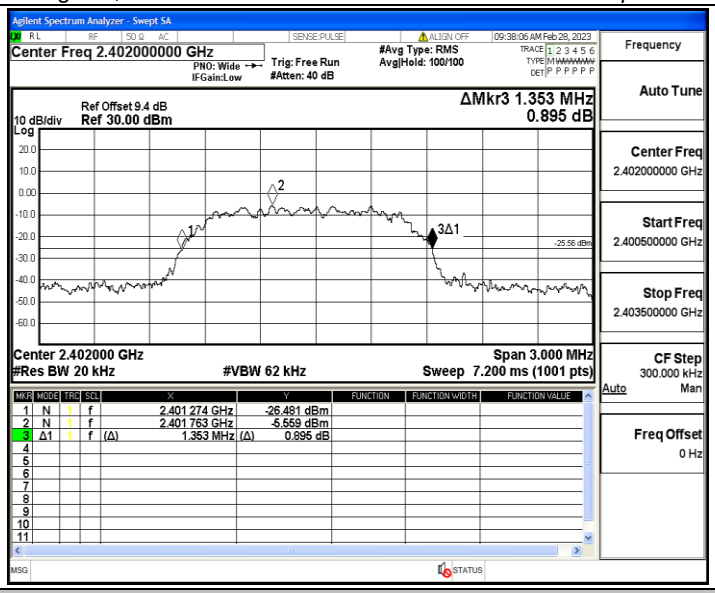
DH5_Ant1_2441



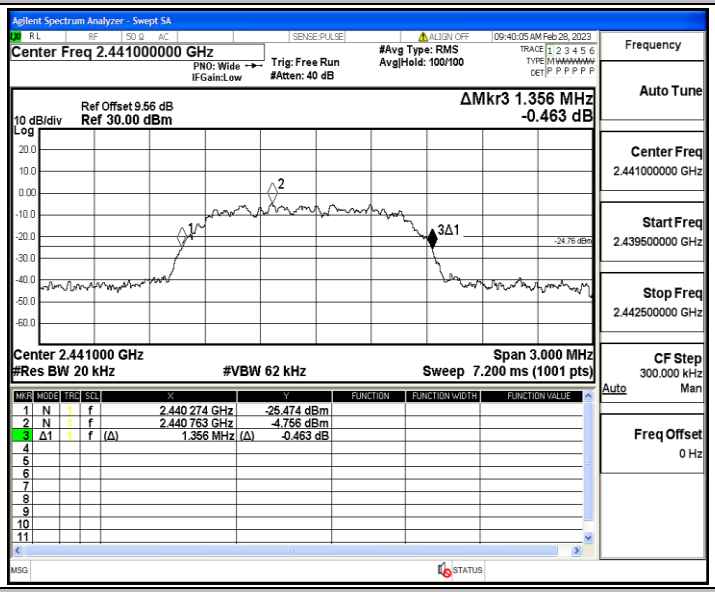
DH5_Ant1_2480



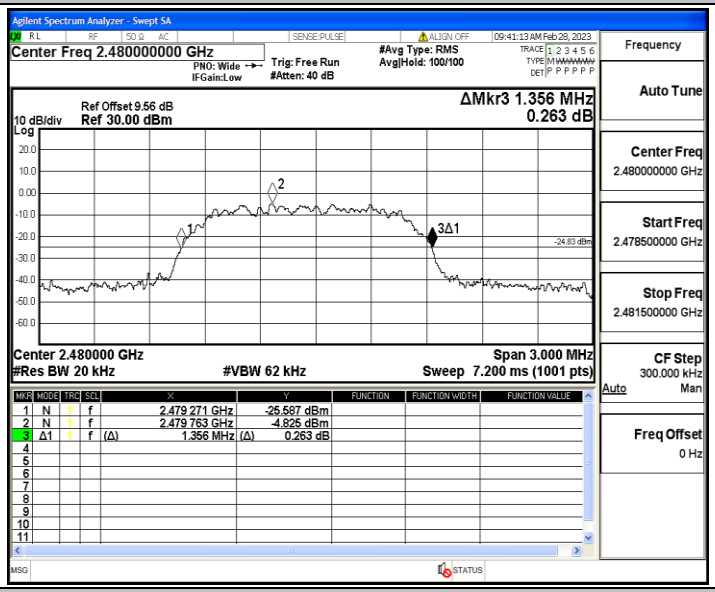
2DH5_Ant1_2402



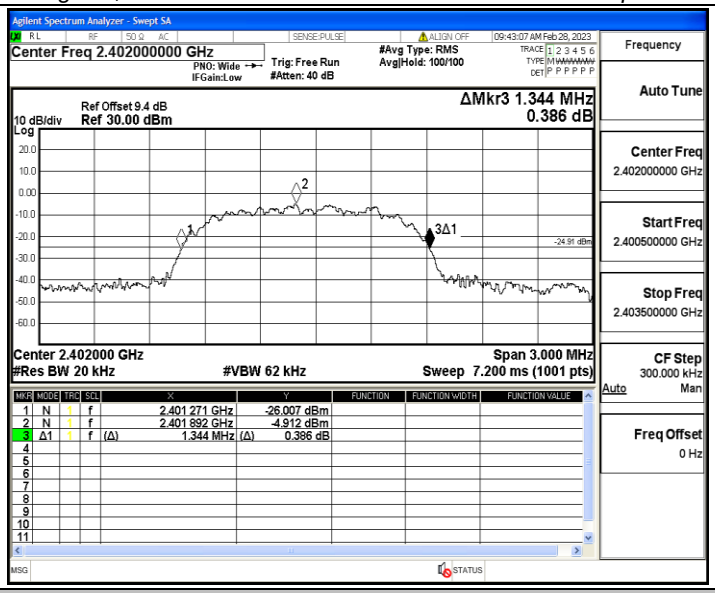
2DH5_Ant1_2441



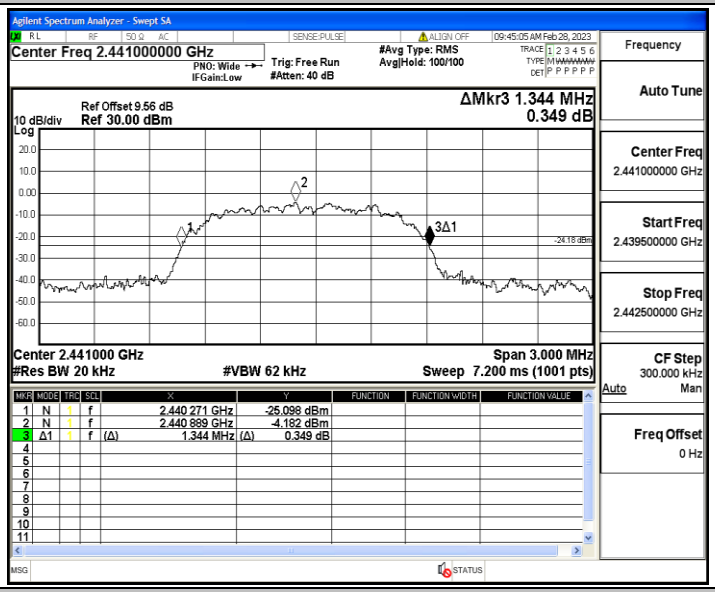
2DH5_Ant1_2480



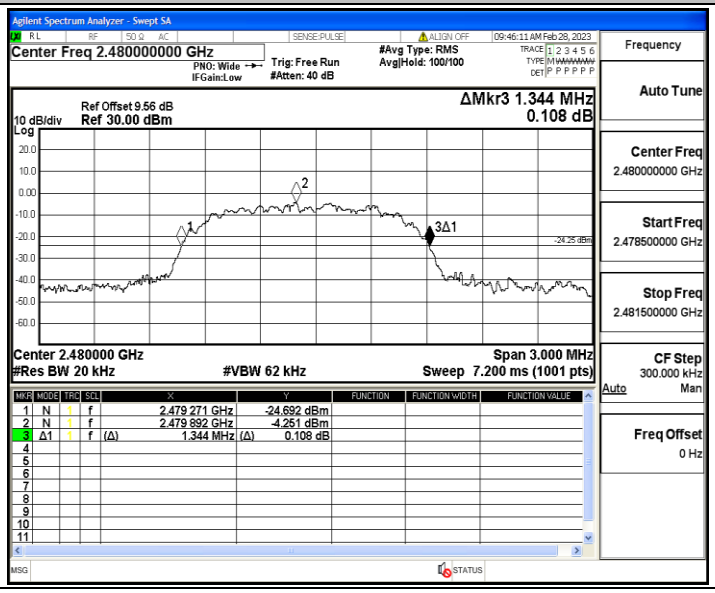
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



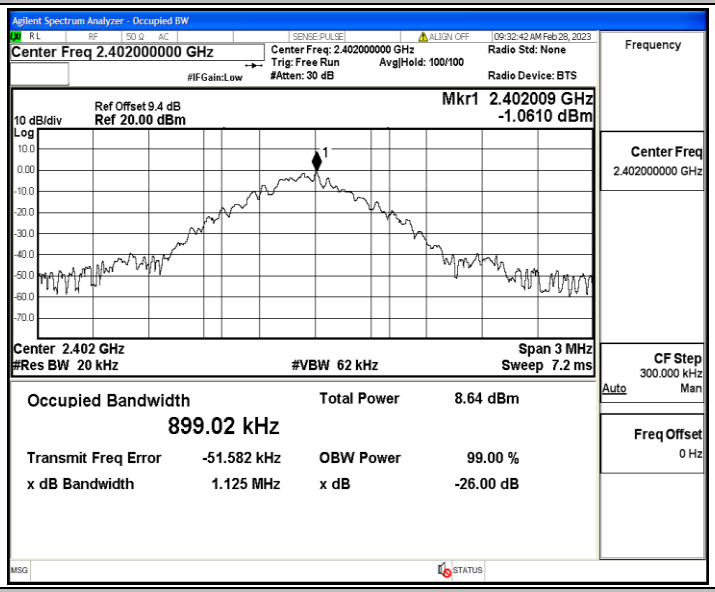
Appendix B: Occupied Channel Bandwidth

Test Result

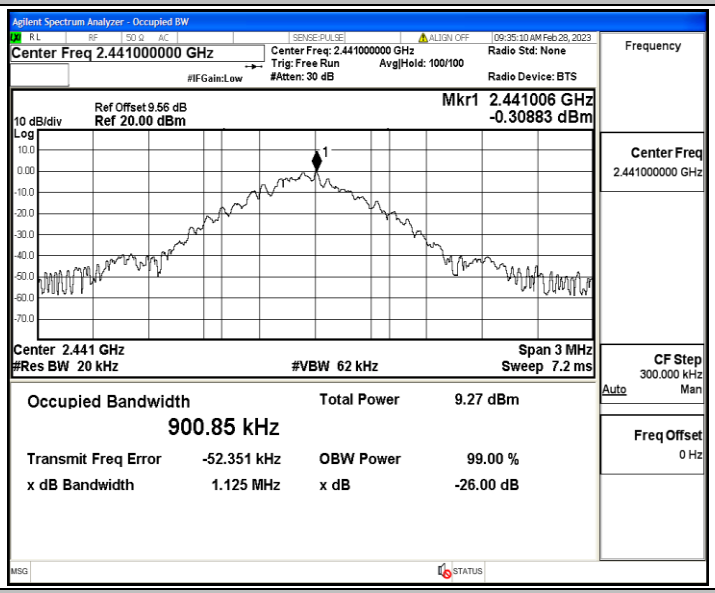
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89902	2401.4989	2402.3979	---	---
		2441	0.90085	2440.4972	2441.3981	---	---
		2480	0.89828	2479.4974	2480.3957	---	---
2DH5	Ant1	2402	1.1967	2401.3481	2402.5448	---	---
		2441	1.1960	2440.3487	2441.5447	---	---
		2480	1.1969	2479.3486	2480.5455	---	---
3DH5	Ant1	2402	1.2027	2401.3377	2402.5404	---	---
		2441	1.2007	2440.3393	2441.5400	---	---
		2480	1.2011	2479.3385	2480.5396	---	---

Test Graphs

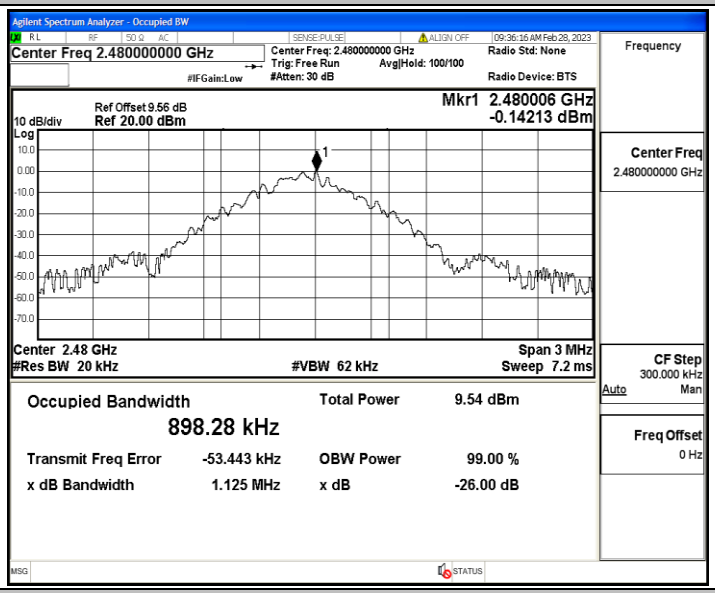
DH5_Ant1_2402



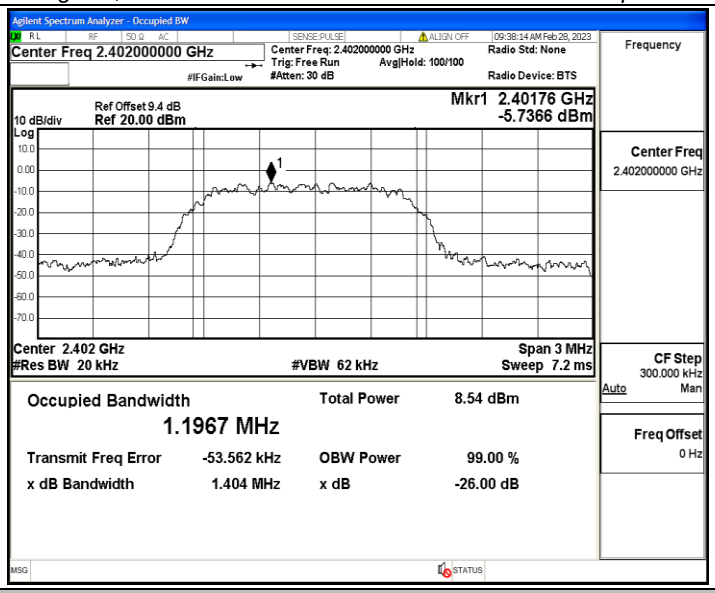
DH5_Ant1_2441



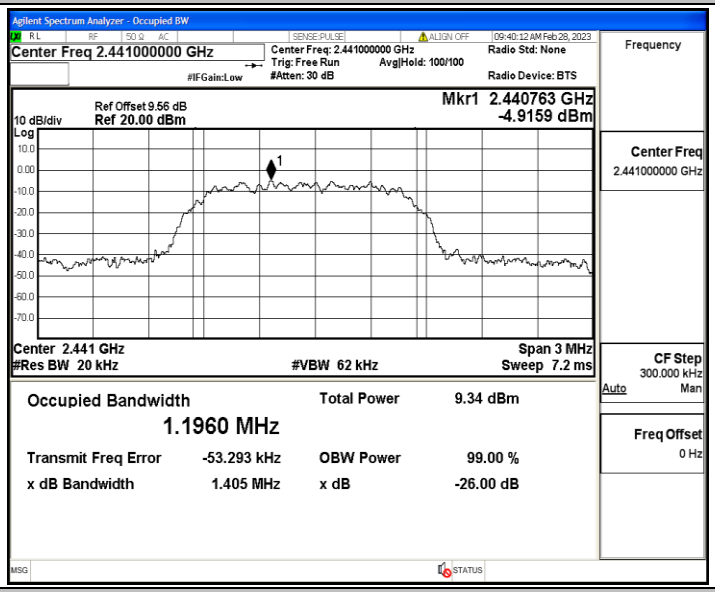
DH5_Ant1_2480



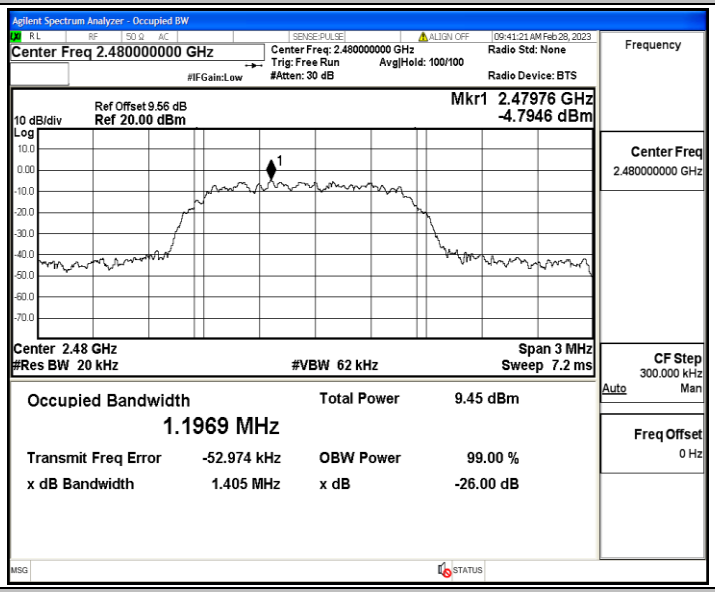
2DH5_Ant1_2402



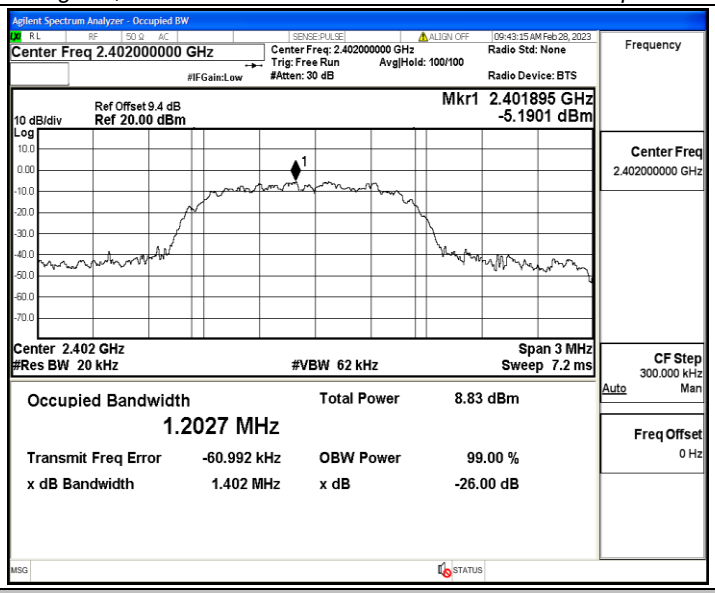
2DH5_Ant1_2441



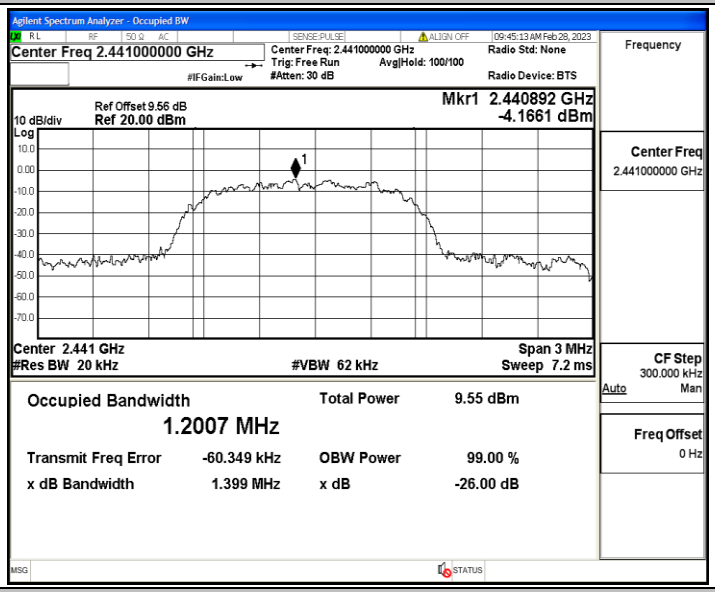
2DH5_Ant1_2480



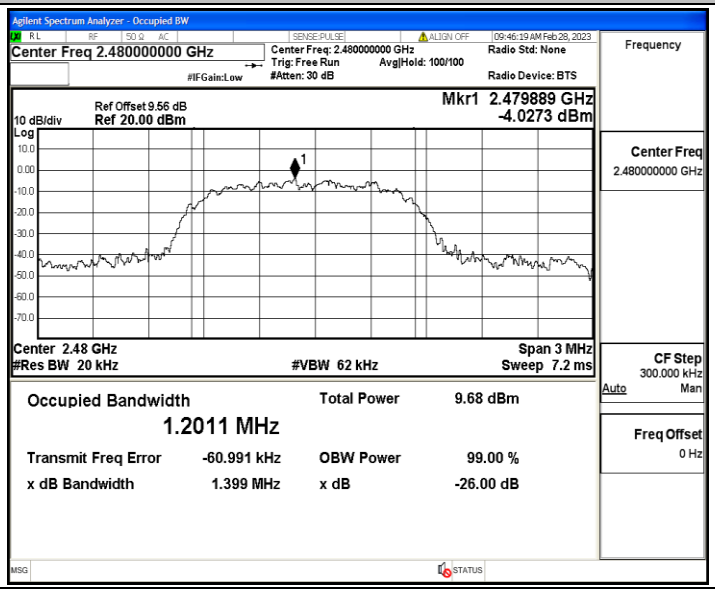
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



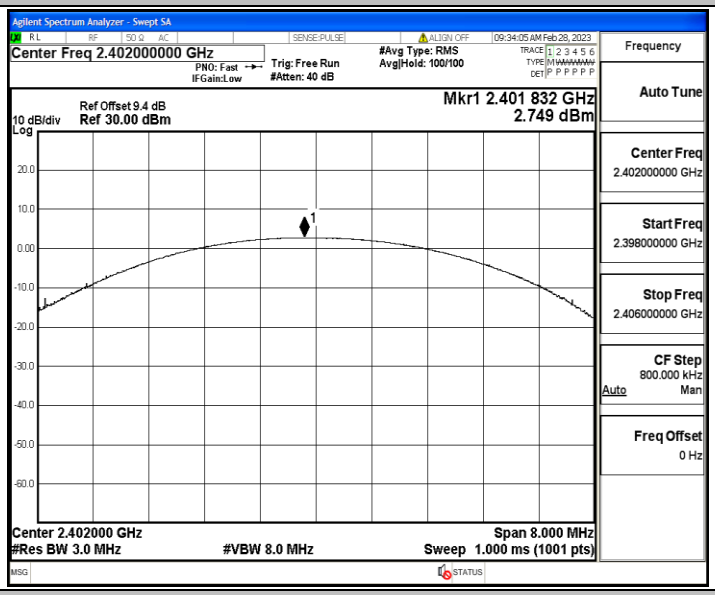
Appendix C: Maximum Peak conducted output power

Test Result

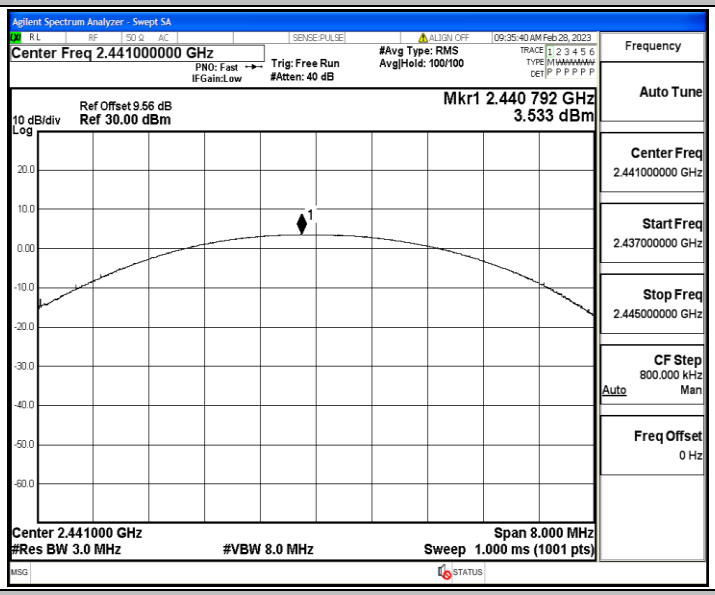
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.75	≤30.00	PASS
		2441	3.53	≤30.00	PASS
		2480	3.7	≤30.00	PASS
2DH5	Ant1	2402	4.74	≤20.97	PASS
		2441	5.53	≤20.97	PASS
		2480	5.62	≤20.97	PASS
3DH5	Ant1	2402	5.06	≤20.97	PASS
		2441	5.84	≤20.97	PASS
		2480	5.95	≤20.97	PASS

Test Graphs

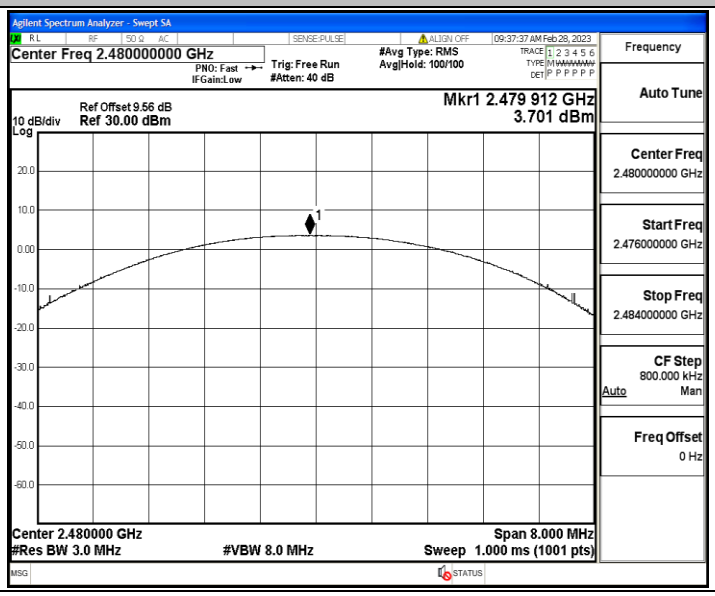
DH5_Ant1_2402



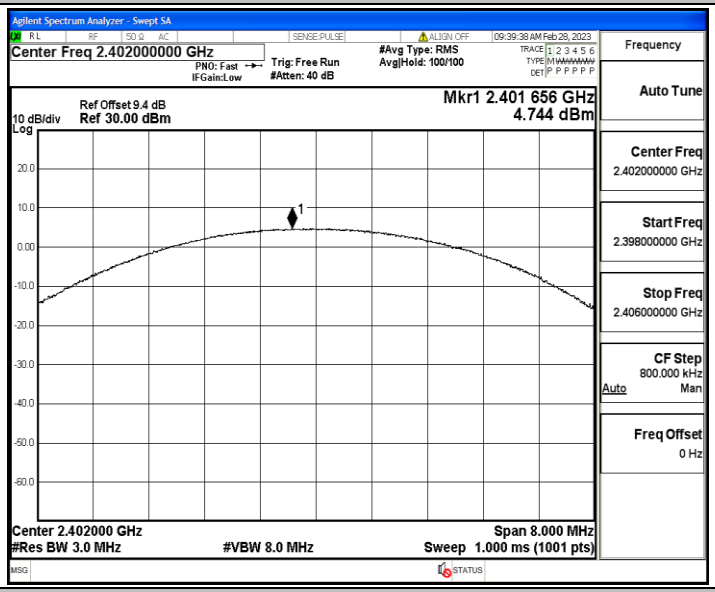
DH5_Ant1_2441



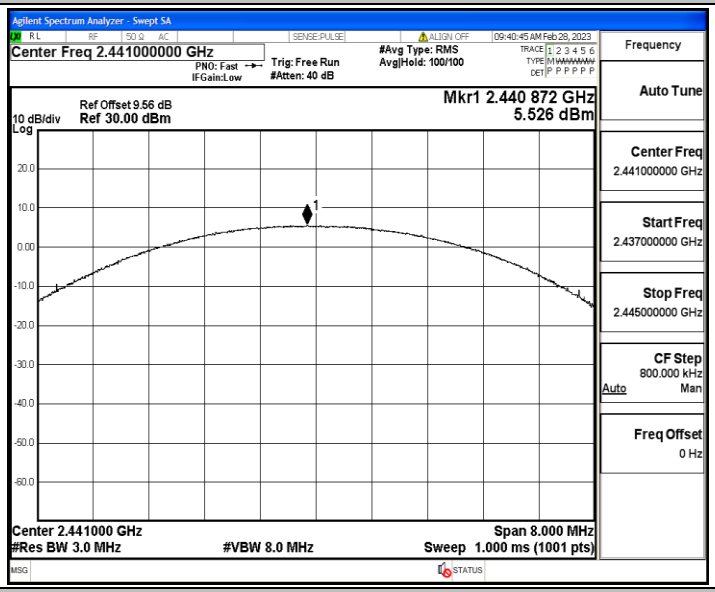
DH5_Ant1_2480



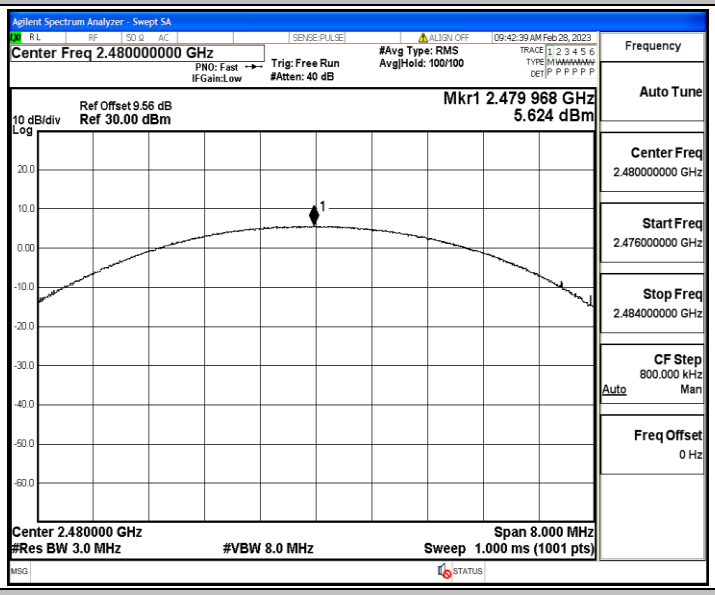
2DH5_Ant1_2402



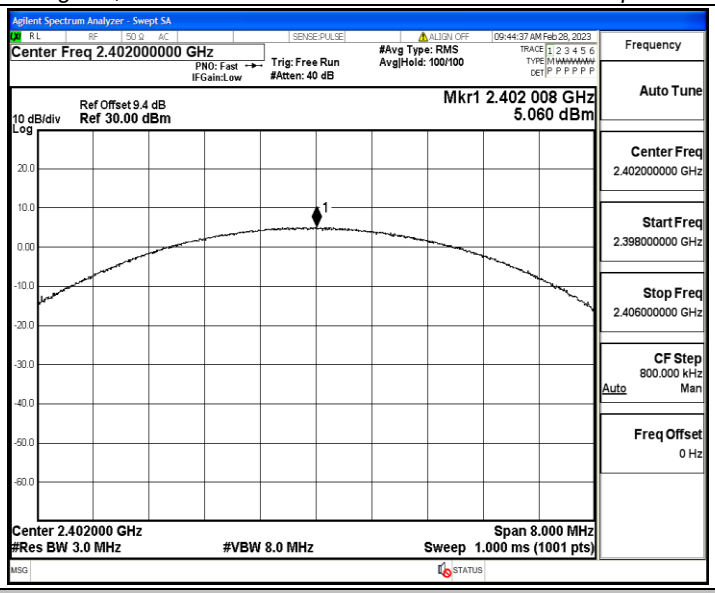
2DH5_Ant1_2441



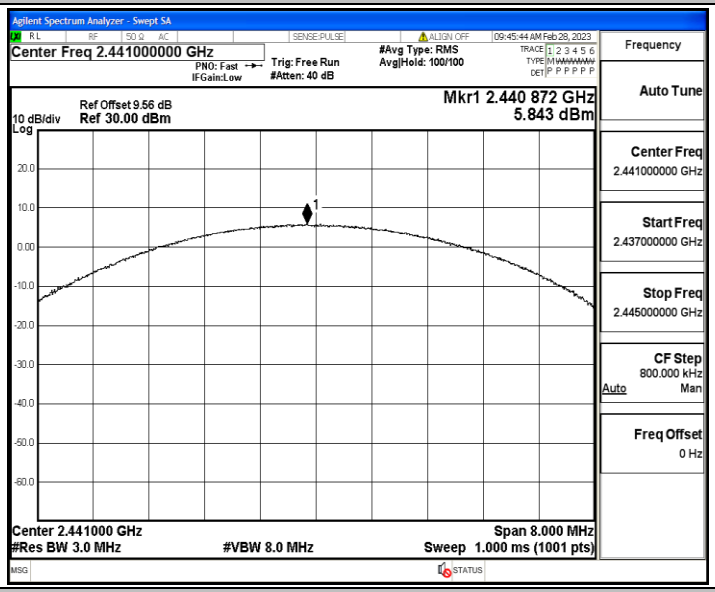
2DH5_Ant1_2480



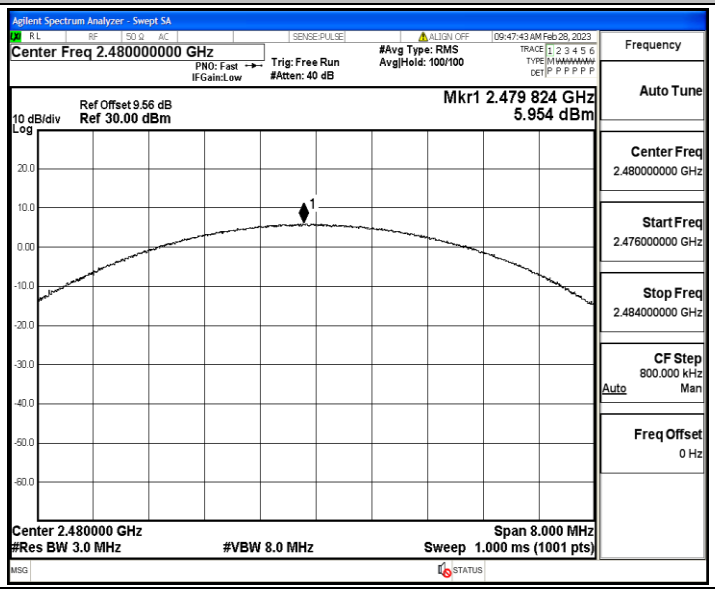
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



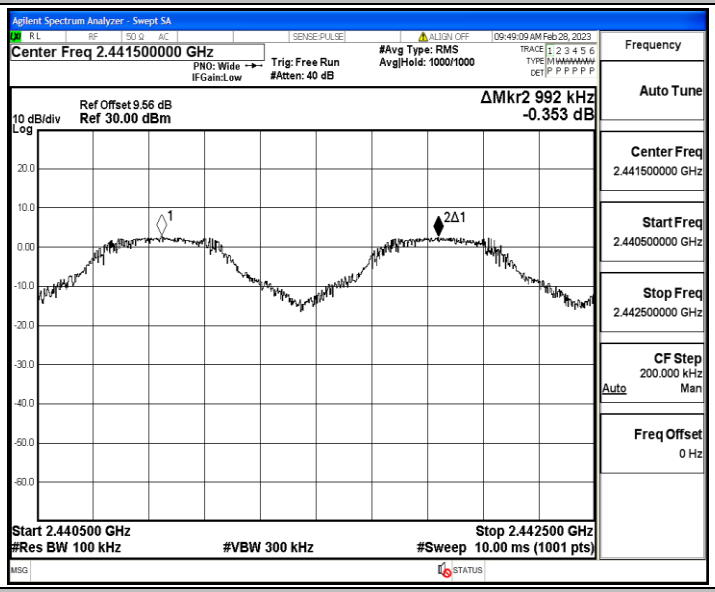
Appendix D: Carrier frequency separation

Test Result

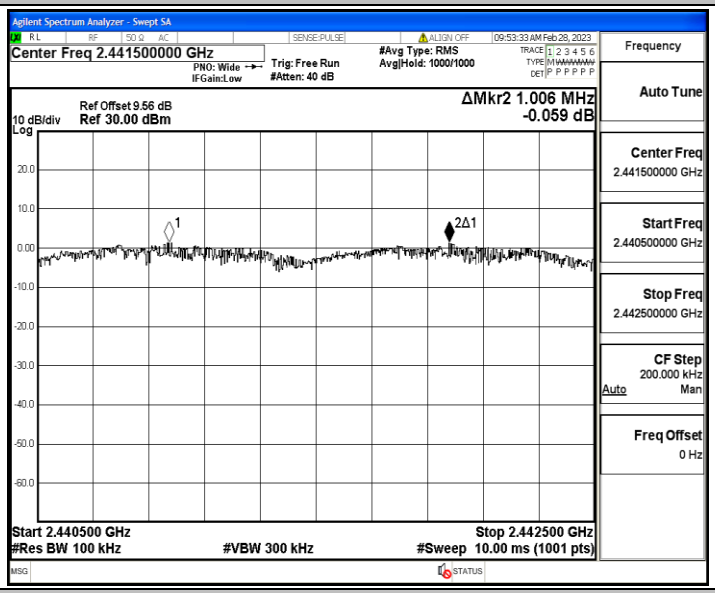
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	≥0.957	PASS
2DH5	Ant1	Hop	1.006	≥0.904	PASS
3DH5	Ant1	Hop	1.014	≥0.896	PASS

Test Graphs

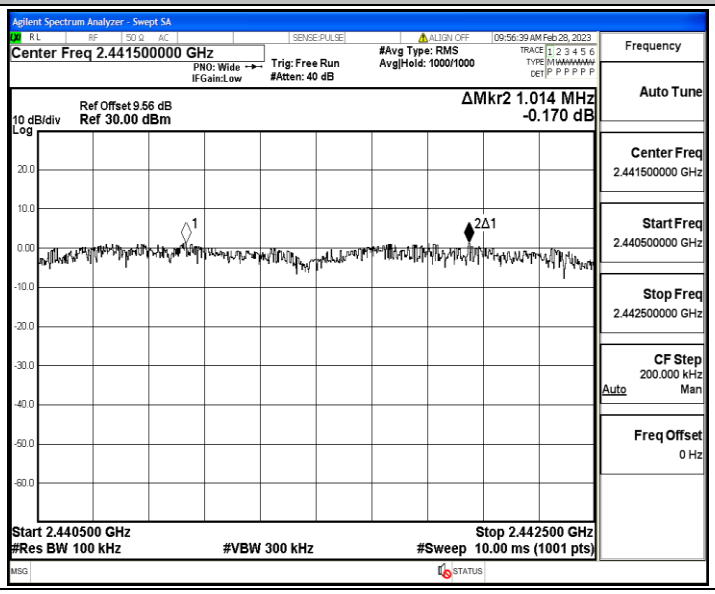
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

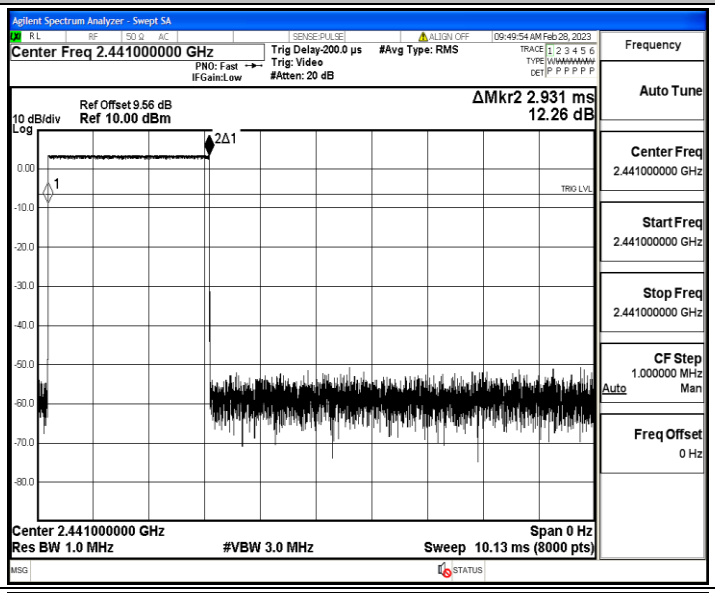
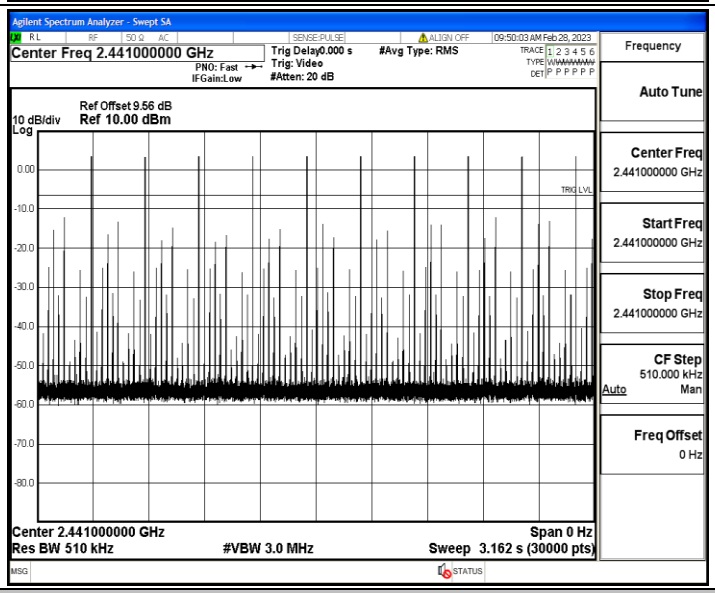
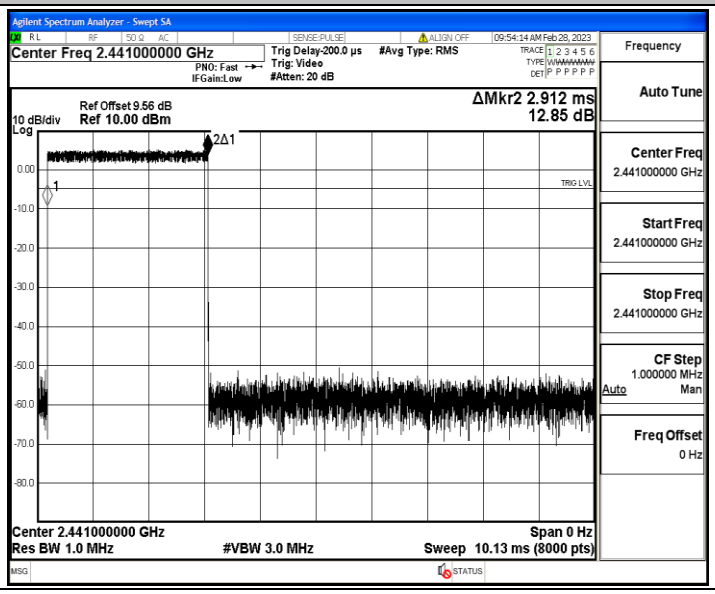


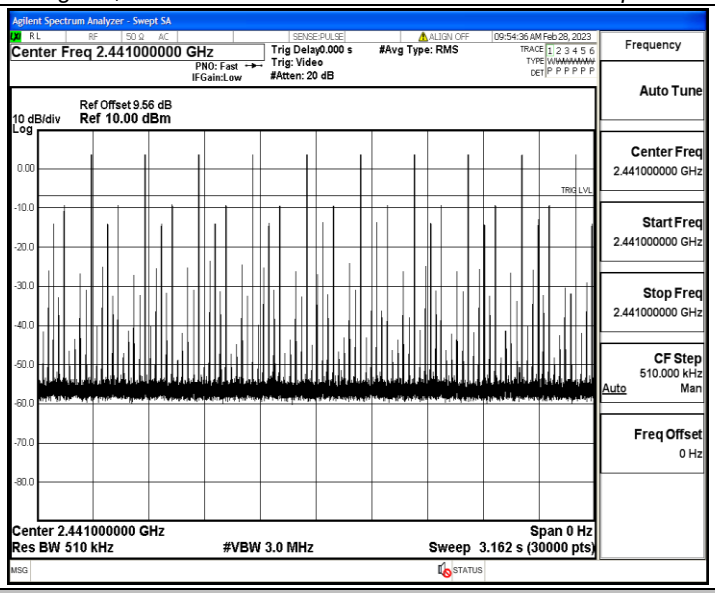
Appendix E: Time of occupancy

Test Result

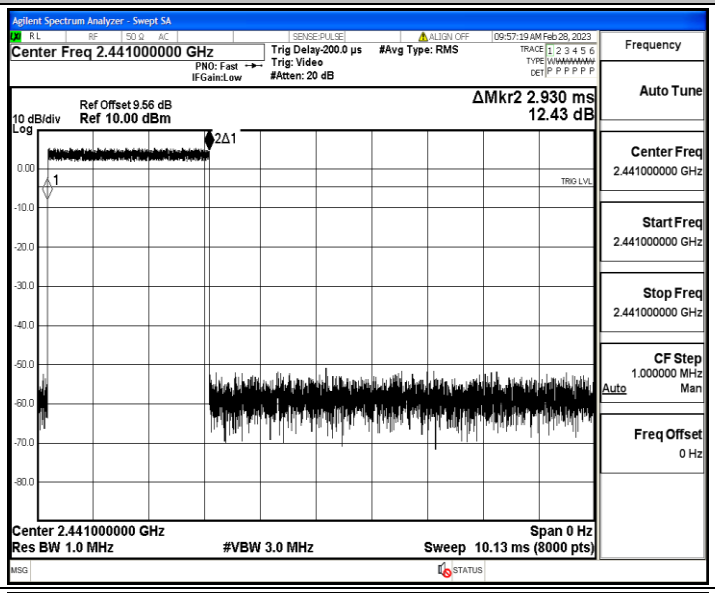
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.931	110	0.322	≤0.4	PASS
2DH5	Ant1	Hop	2.912	110	0.32	≤0.4	PASS
3DH5	Ant1	Hop	2.930	110	0.322	≤0.4	PASS

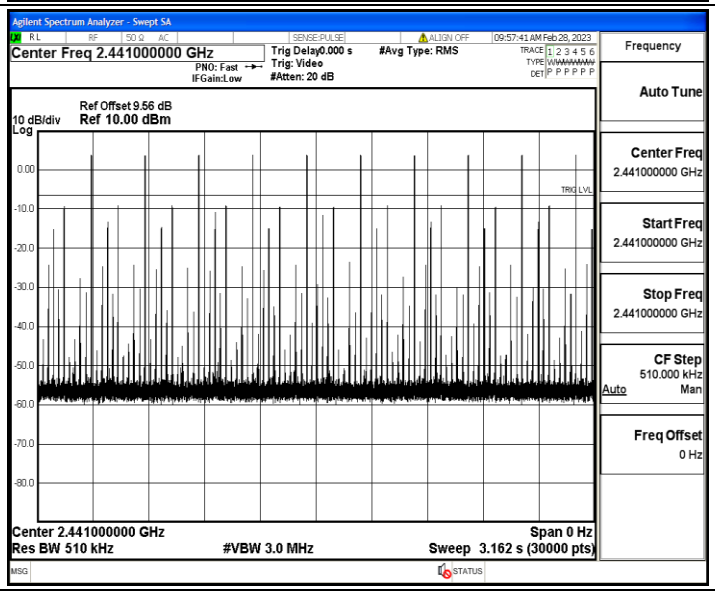
Test Graphs

DH5_Ant1_Hop


2DH5_Ant1_Hop




3DH5_Ant1_Hop





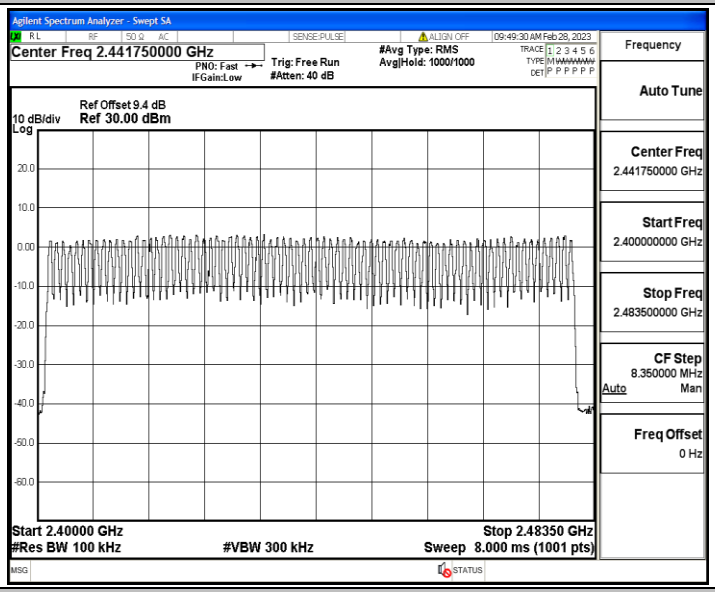
Appendix F: Number of hopping channels

Test Result

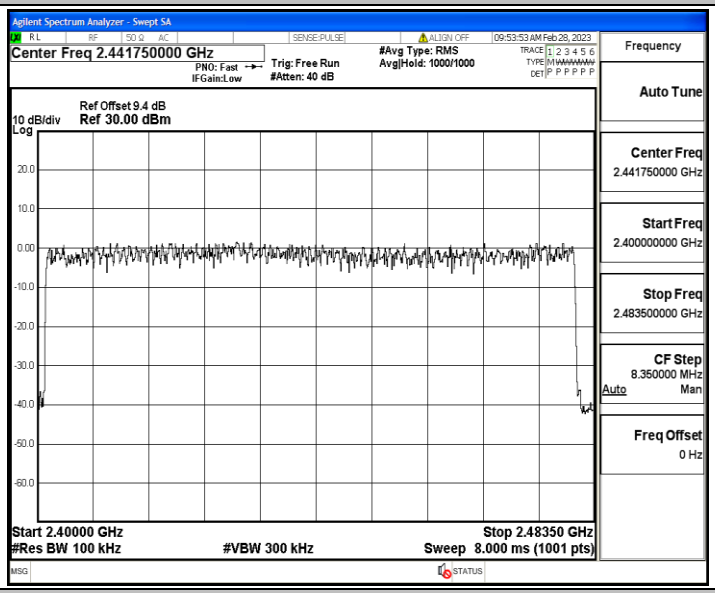
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

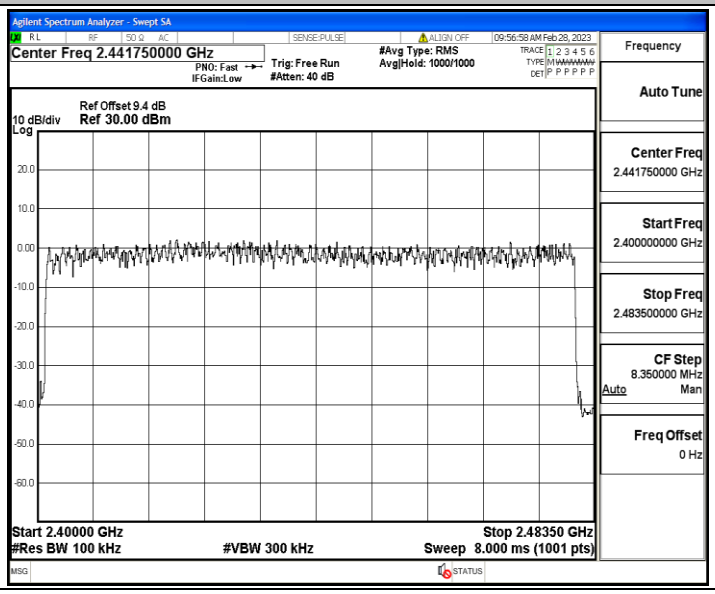
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



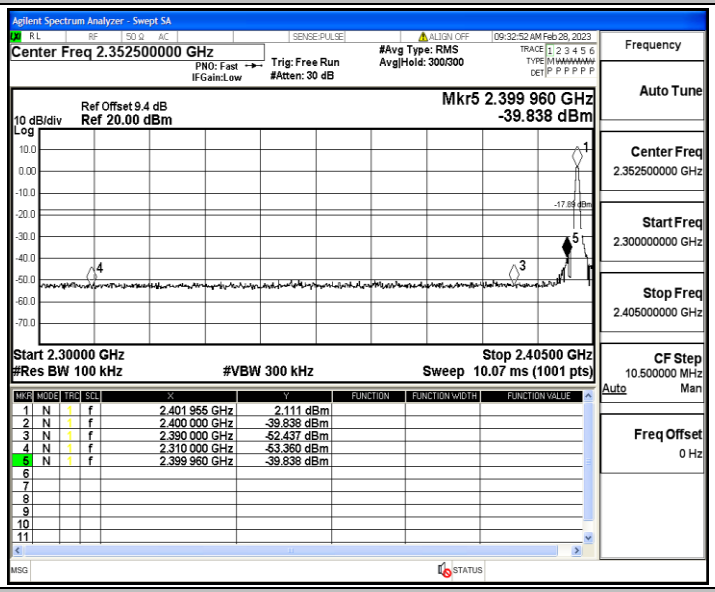
Appendix G: Band edge measurements

Test Result

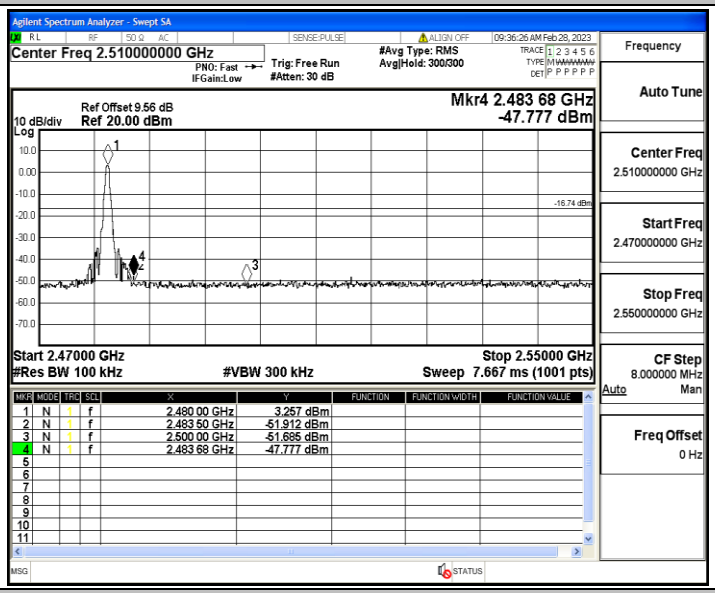
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.11	-39.84	≤-17.89	PASS
		High	2480	3.26	-47.78	≤-16.74	PASS
		Low	Hop_2402	1.12	-49.95	≤-18.88	PASS
		High	Hop_2480	2.73	-48.05	≤-17.27	PASS
2DH5	Ant1	Low	2402	0.77	-40.74	≤-19.23	PASS
		High	2480	1.39	-48.89	≤-18.61	PASS
		Low	Hop_2402	-0.16	-49.94	≤-20.16	PASS
		High	Hop_2480	1.14	-48.95	≤-18.86	PASS
3DH5	Ant1	Low	2402	0.91	-39.08	≤-19.09	PASS
		High	2480	1.92	-48.33	≤-18.09	PASS
		Low	Hop_2402	0.17	-49.86	≤-19.83	PASS
		High	Hop_2480	1.04	-48.01	≤-18.96	PASS

Test Graphs

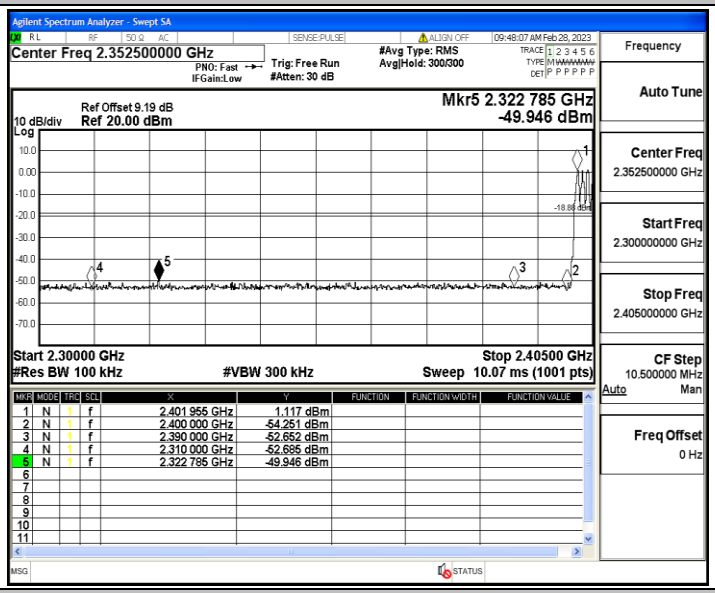
DH5_Ant1_Low_2402



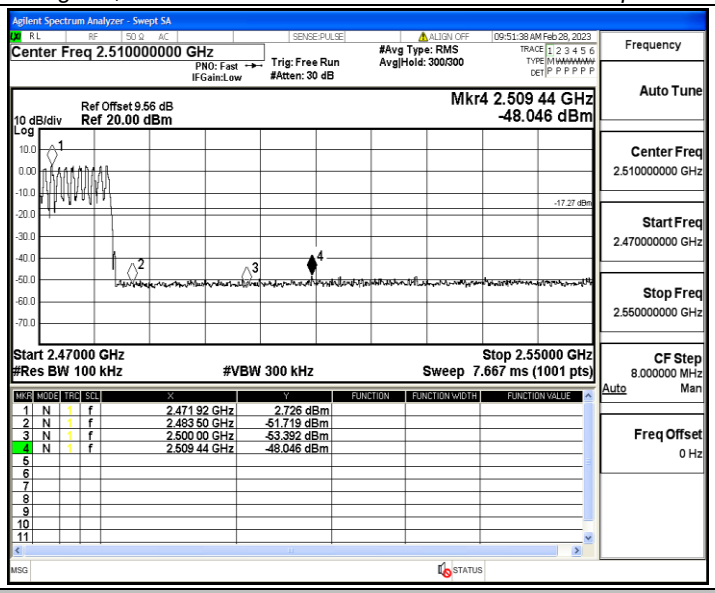
DH5_Ant1_High_2480



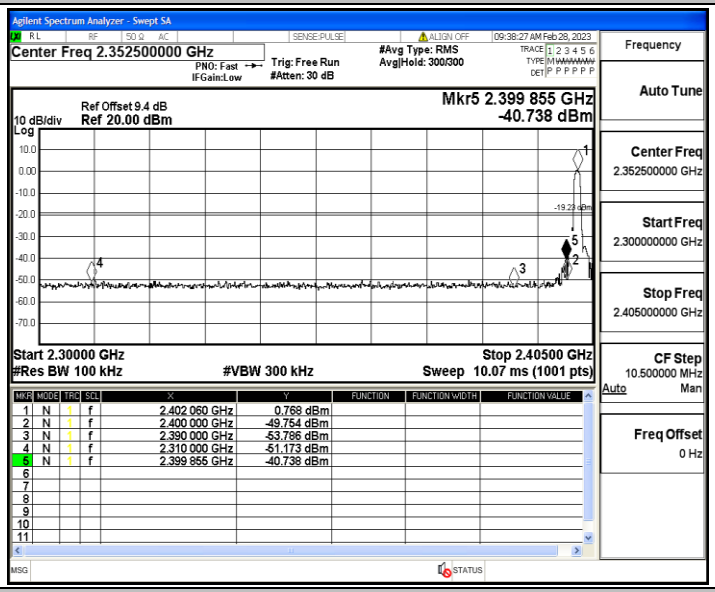
DH5_Ant1_Low_Hop_2402



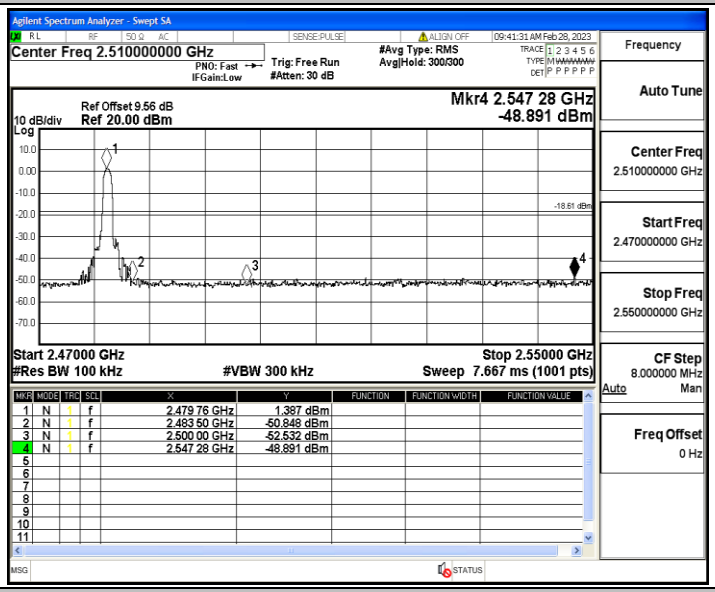
DH5_Ant1_High_Hop_2480



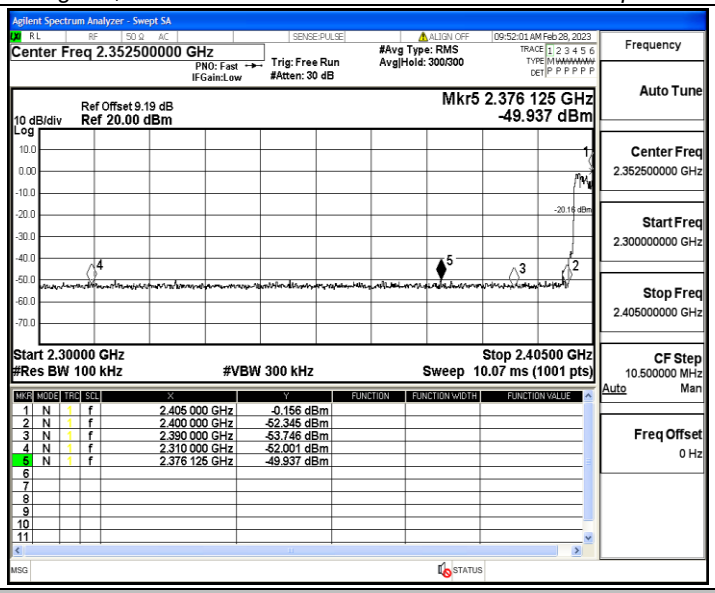
2DH5_Ant1_Low_2402



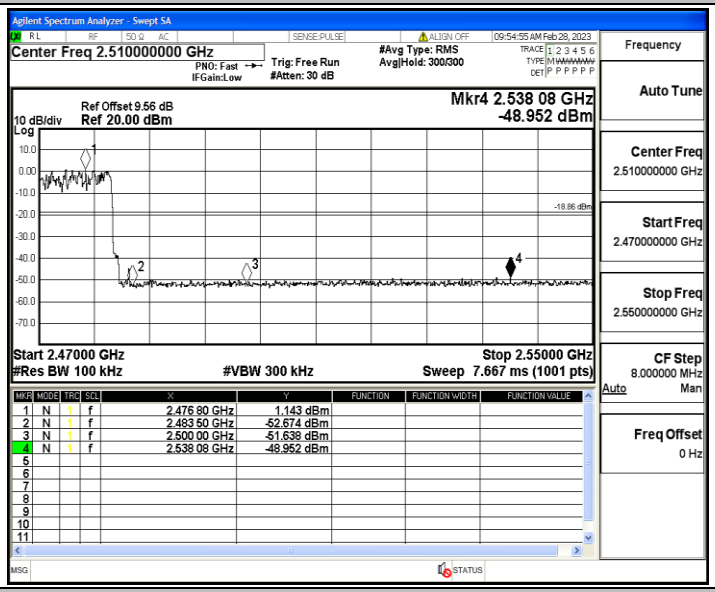
2DH5_Ant1_High_2480



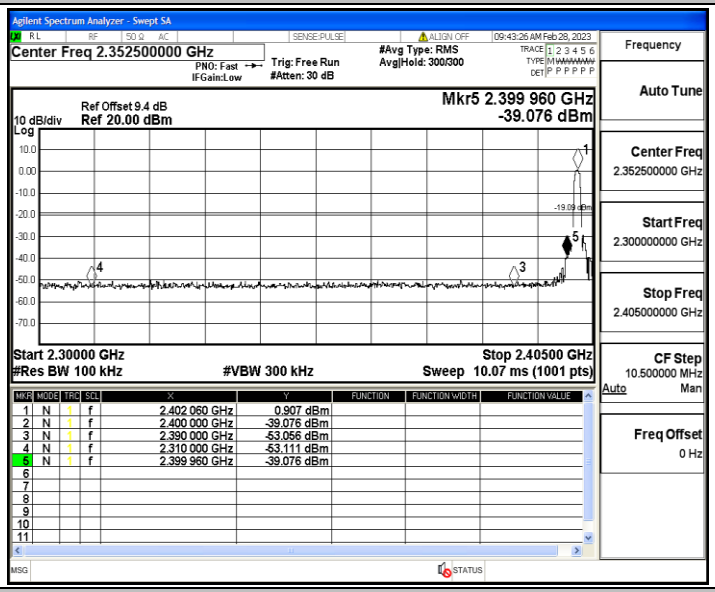
2DH5_Ant1_Low_Hop_2402



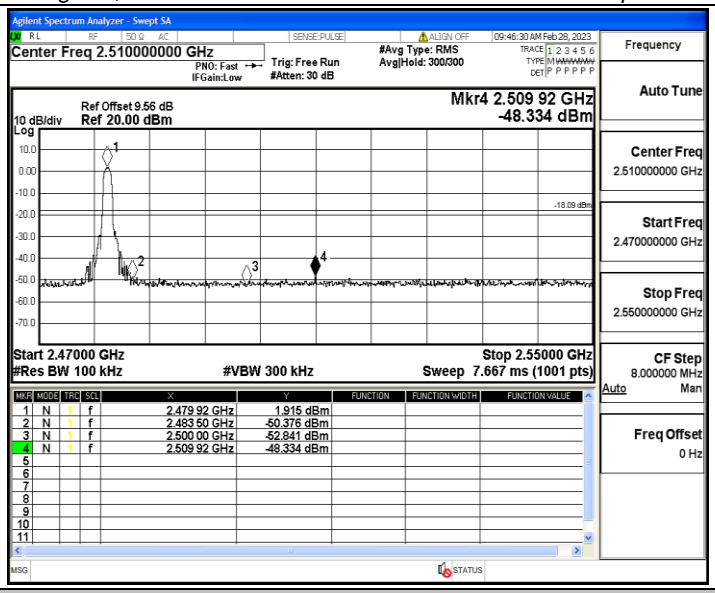
2DH5_Ant1_High_Hop_2480



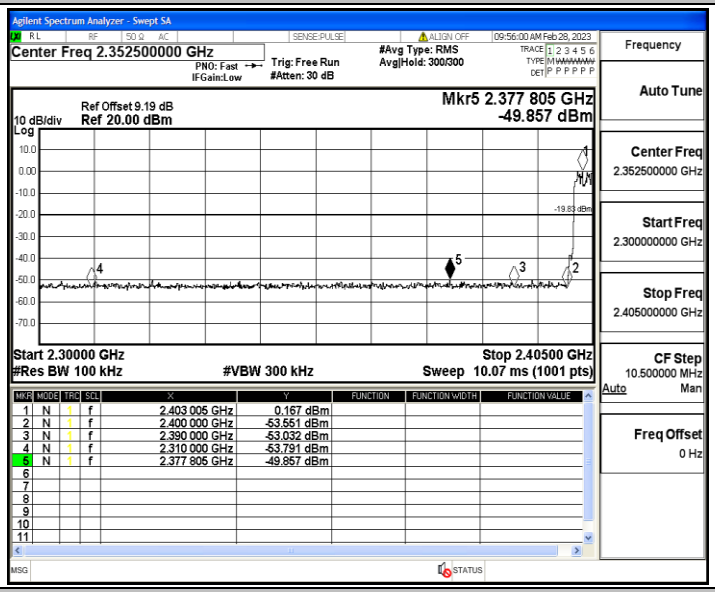
3DH5_Ant1_Low_2402



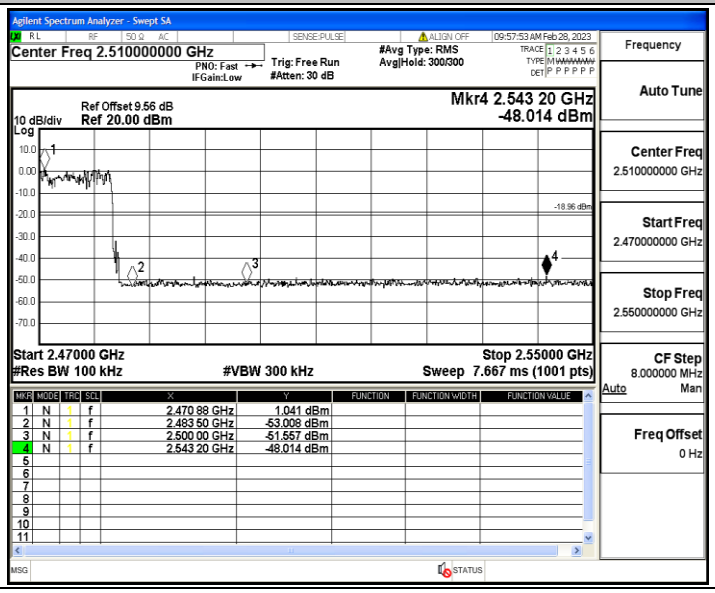
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



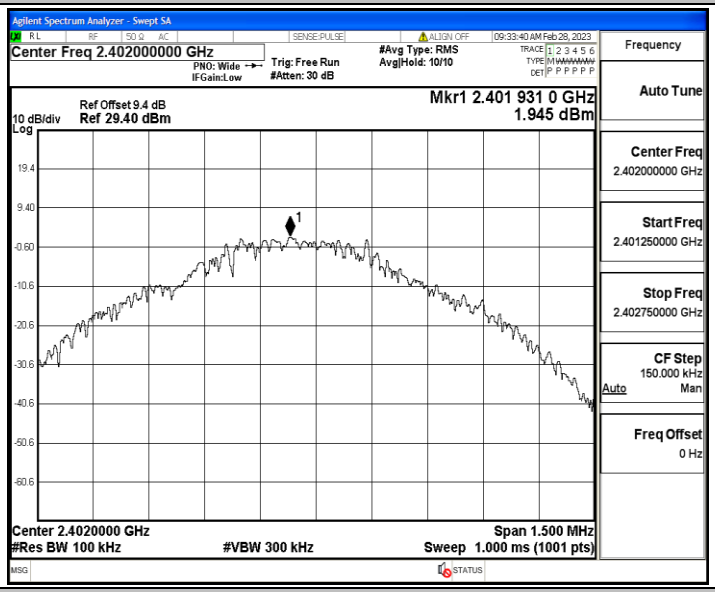
Appendix H: Conducted Spurious Emission

Test Result

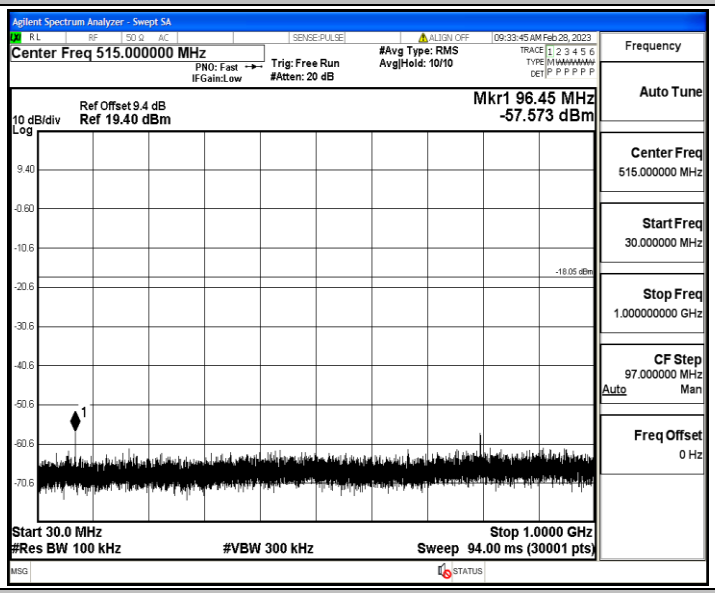
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.95	1.95	---	PASS
			30~1000	1.95	-57.57	≤-18.05	PASS
			1000~26500	1.95	-39.35	≤-18.05	PASS
		2441	Reference	2.26	2.26	---	PASS
			30~1000	2.26	-56.23	≤-17.74	PASS
			1000~26500	2.26	-37.42	≤-17.74	PASS
		2480	Reference	2.57	2.57	---	PASS
			30~1000	2.57	-55.66	≤-17.43	PASS
			1000~26500	2.57	-41.55	≤-17.43	PASS
2DH5	Ant1	2402	Reference	0.28	0.28	---	PASS
			30~1000	0.28	-58.42	≤-19.72	PASS
			1000~26500	0.28	-42.84	≤-19.72	PASS
		2441	Reference	1.33	1.33	---	PASS
			30~1000	1.33	-57.03	≤-18.67	PASS
			1000~26500	1.33	-39.75	≤-18.67	PASS
		2480	Reference	1.36	1.36	---	PASS
			30~1000	1.36	-57.25	≤-18.64	PASS
			1000~26500	1.36	-41.68	≤-18.64	PASS
3DH5	Ant1	2402	Reference	0.35	0.35	---	PASS
			30~1000	0.35	-57.09	≤-19.65	PASS
			1000~26500	0.35	-38.05	≤-19.65	PASS
		2441	Reference	0.87	0.87	---	PASS
			30~1000	0.87	-59.05	≤-19.13	PASS
			1000~26500	0.87	-41.7	≤-19.13	PASS
		2480	Reference	1.33	1.33	---	PASS
			30~1000	1.33	-57.26	≤-18.67	PASS
			1000~26500	1.33	-41.94	≤-18.67	PASS

Test Graphs

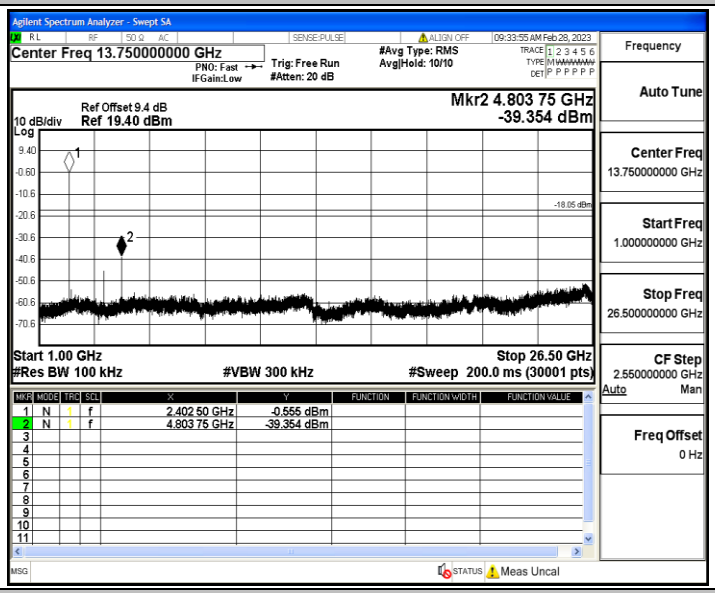
DH5_Ant1_2402_0~Reference



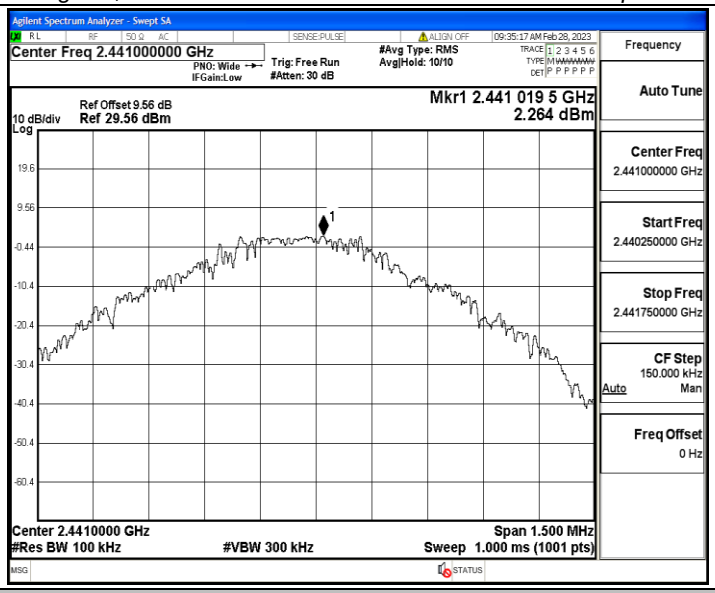
DH5_Ant1_2402_30~1000



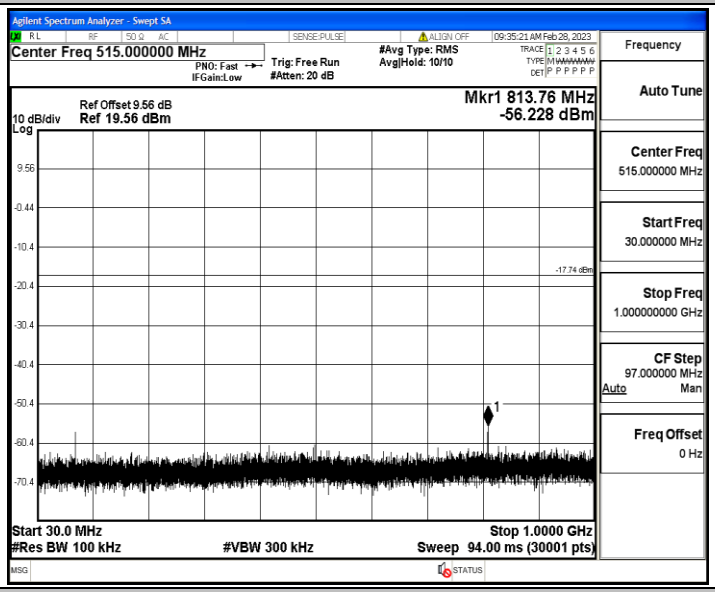
DH5_Ant1_2402_1000~26500



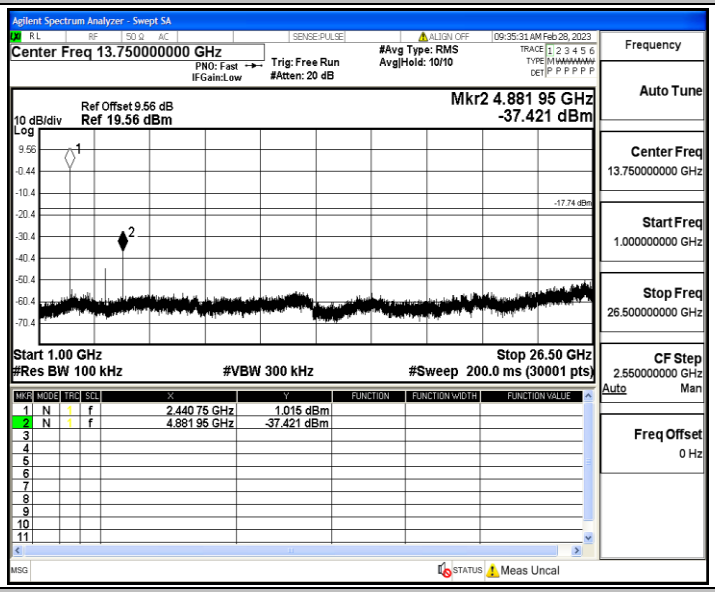
DH5_Ant1_2441_0~Reference



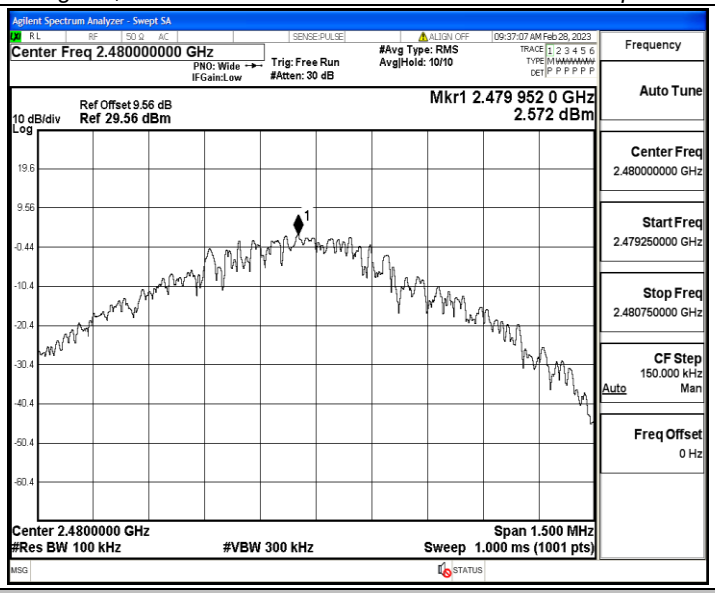
DH5_Ant1_2441_30~1000



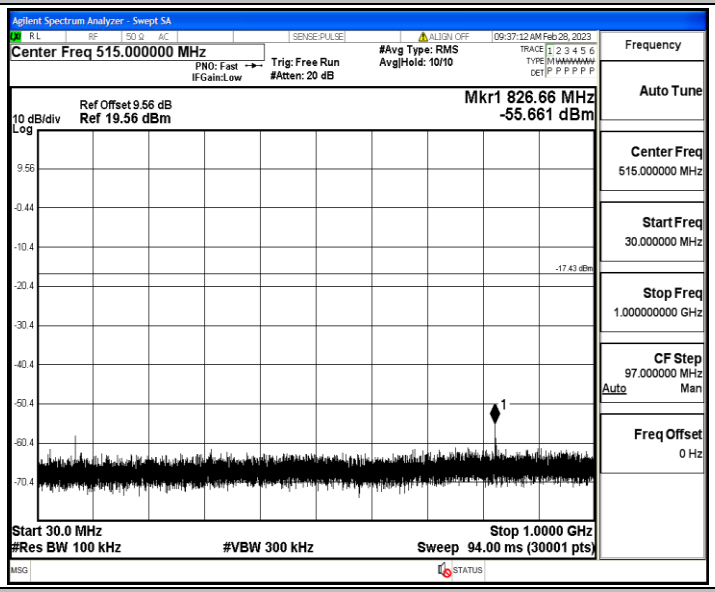
DH5_Ant1_2441_1000~26500



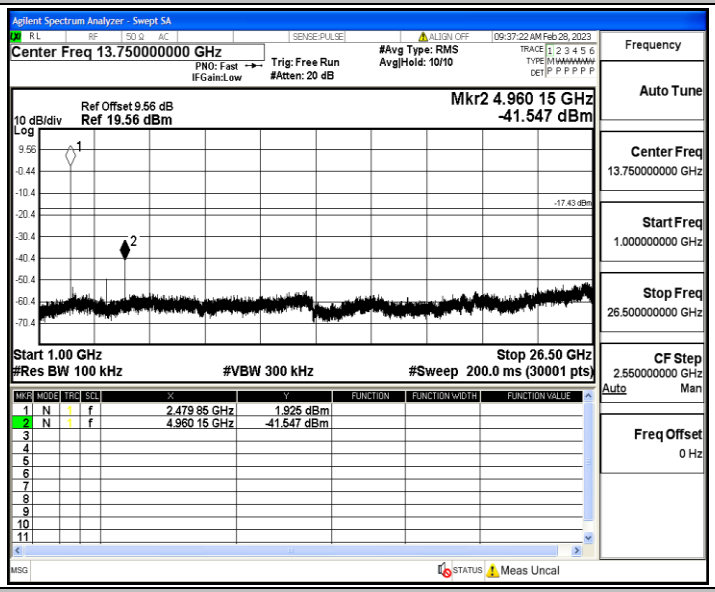
DH5_Ant1_2480_0~Reference



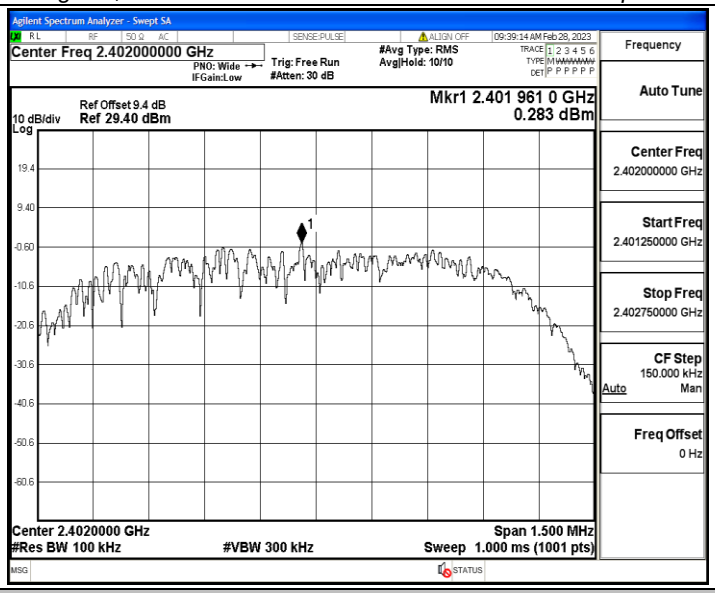
DH5_Ant1_2480_30~1000



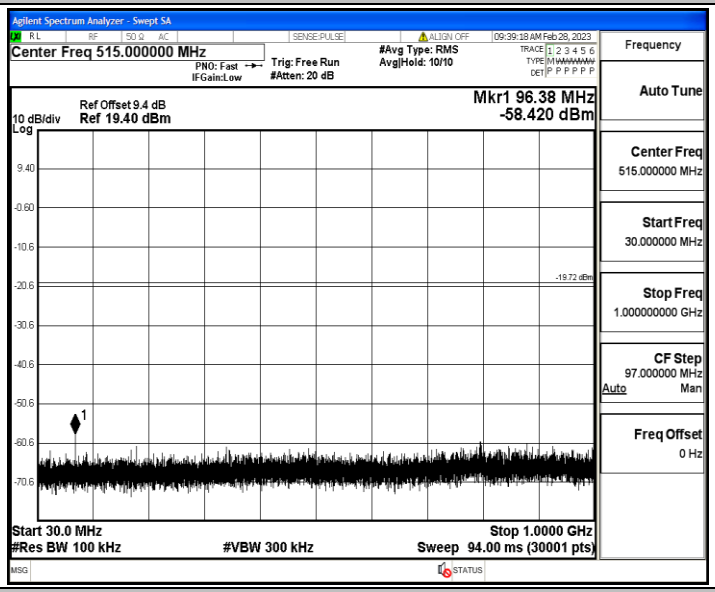
DH5_Ant1_2480_1000~26500



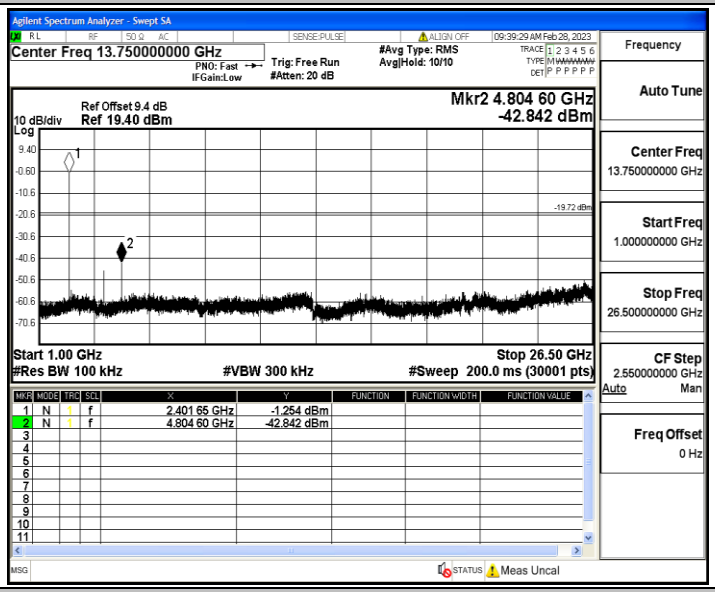
2DH5_Ant1_2402_0~Reference



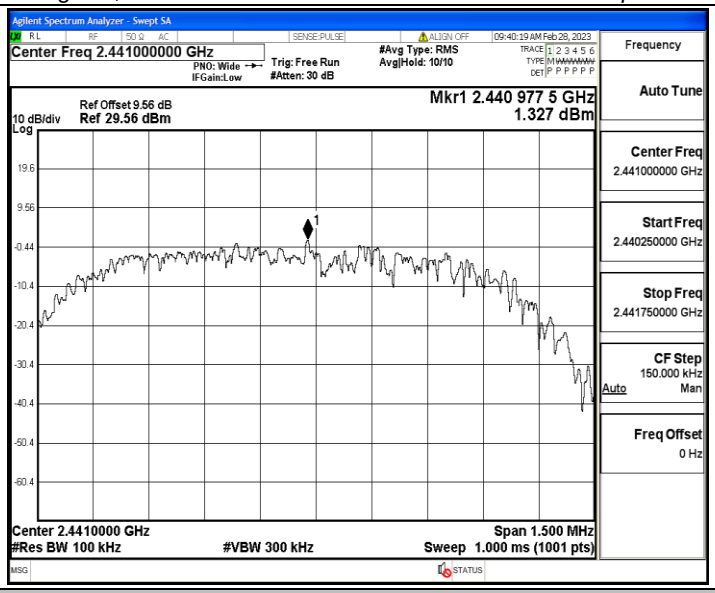
2DH5_Ant1_2402_30~1000



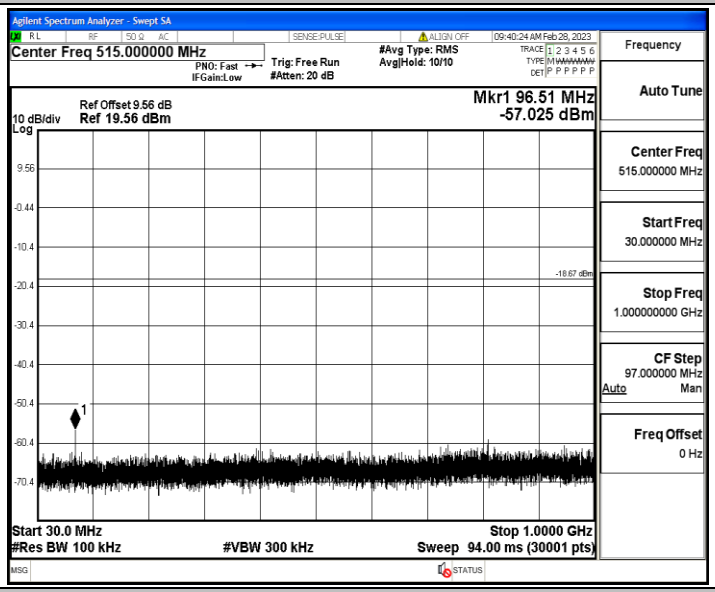
2DH5_Ant1_2402_1000~26500



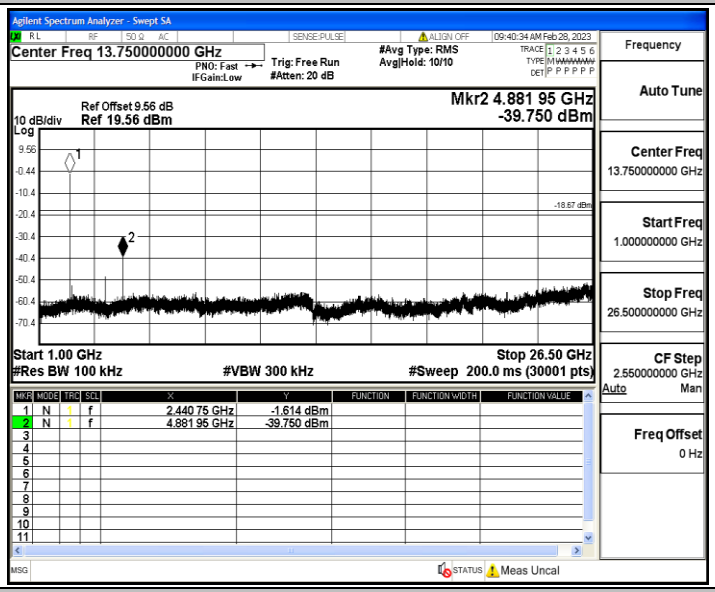
2DH5_Ant1_2441_0~Reference



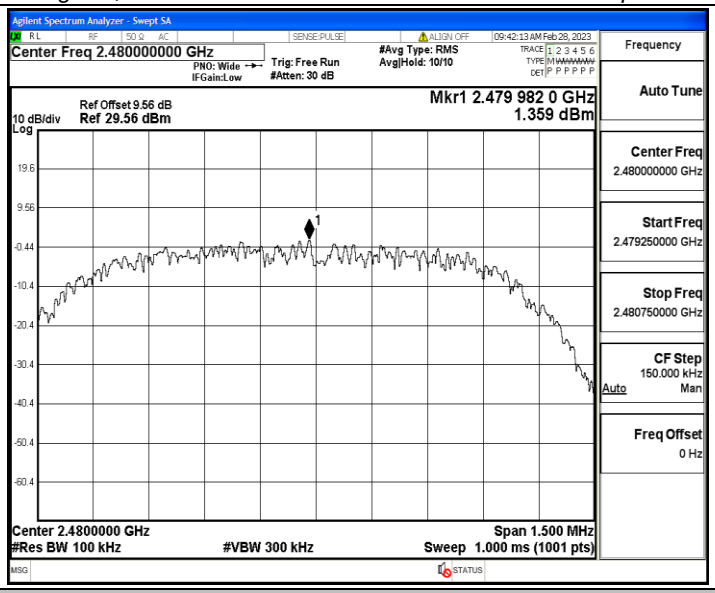
2DH5_Ant1_2441_30~1000



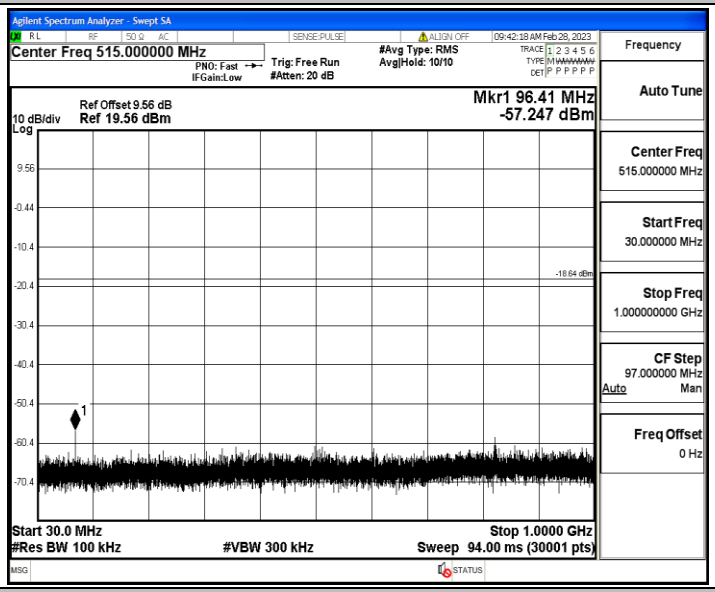
2DH5_Ant1_2441_1000~26500



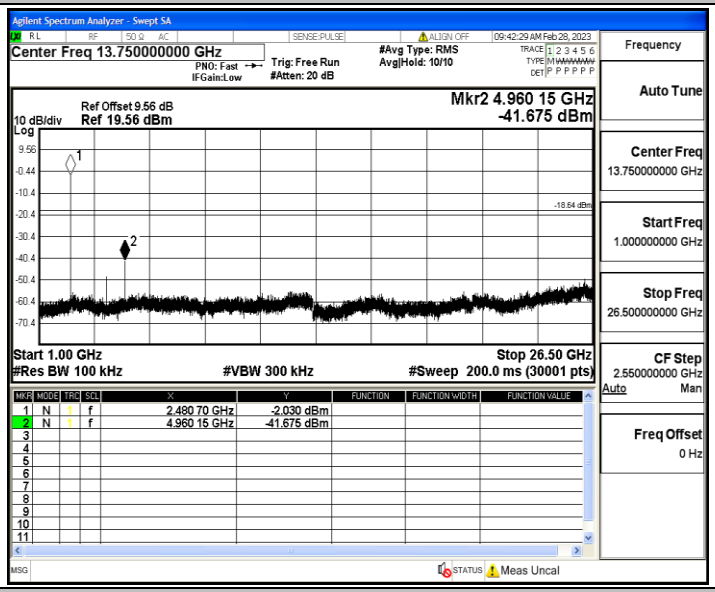
2DH5_Ant1_2480_0~Reference



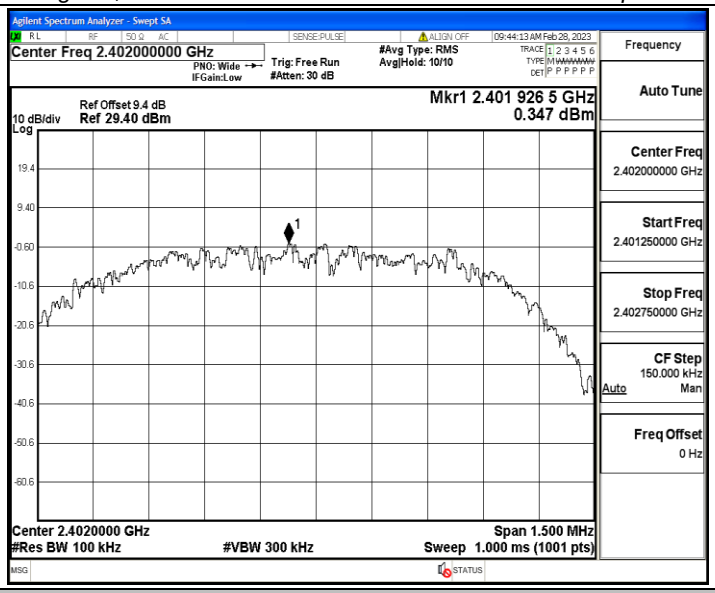
2DH5_Ant1_2480_30~1000



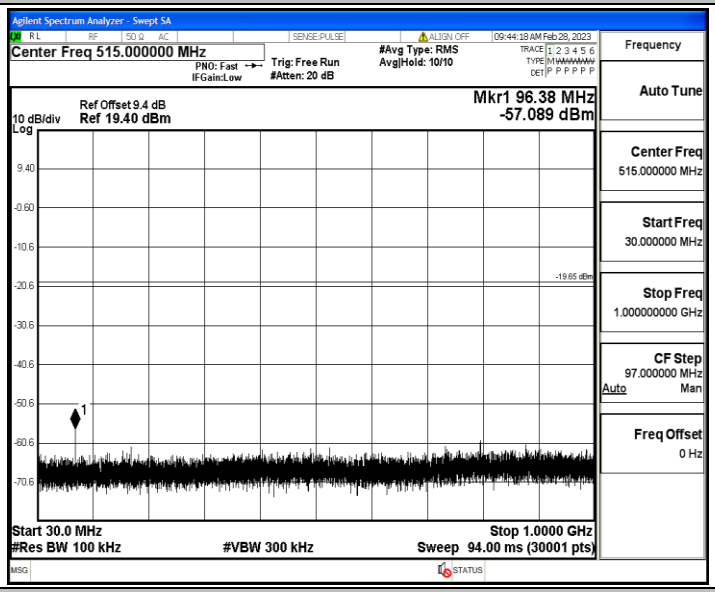
2DH5_Ant1_2480_1000~26500



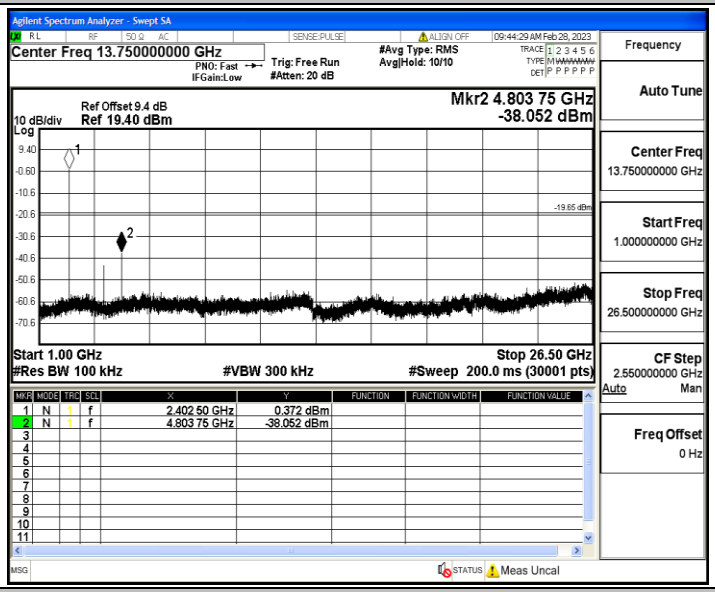
3DH5_Ant1_2402_0~Reference



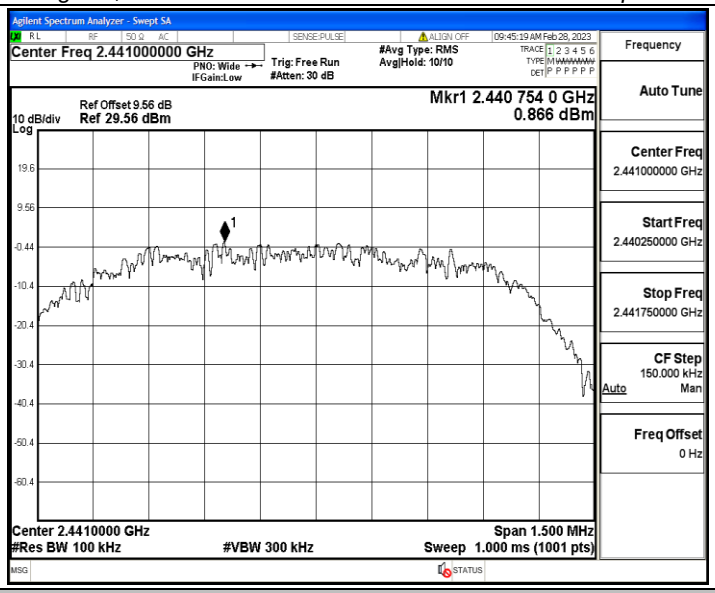
3DH5_Ant1_2402_30~1000



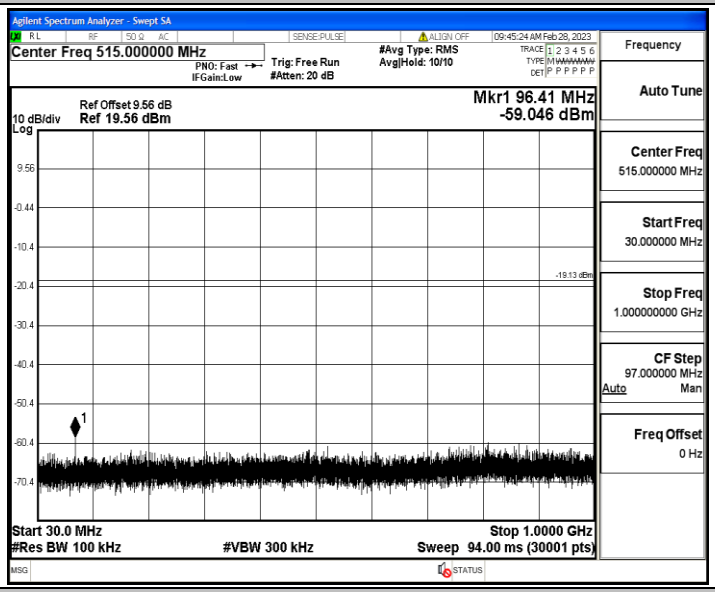
3DH5_Ant1_2402_1000~26500



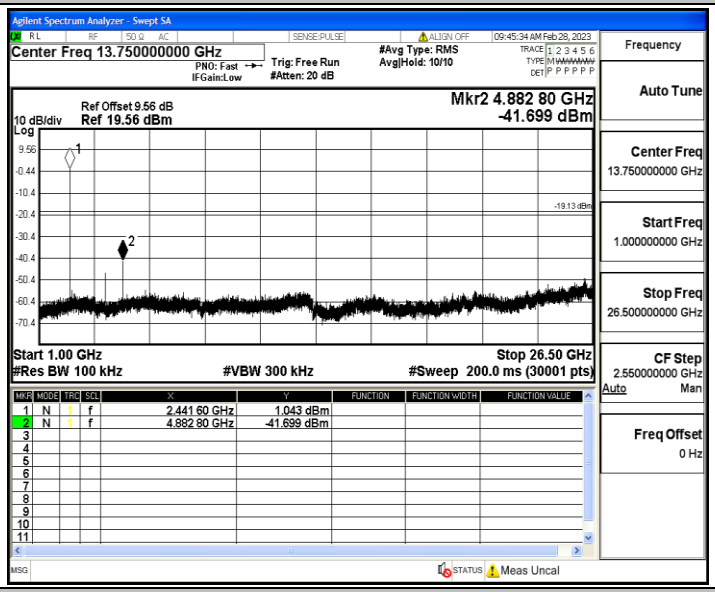
3DH5_Ant1_2441_0~Reference



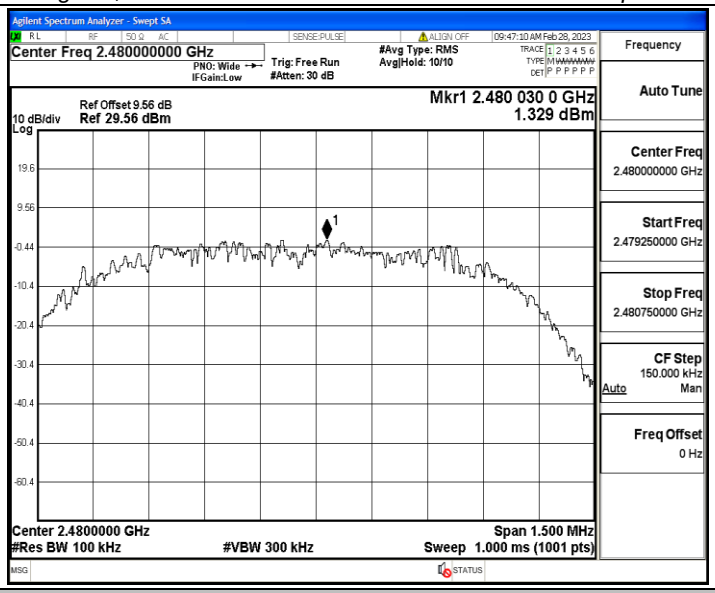
3DH5_Ant1_2441_30~1000



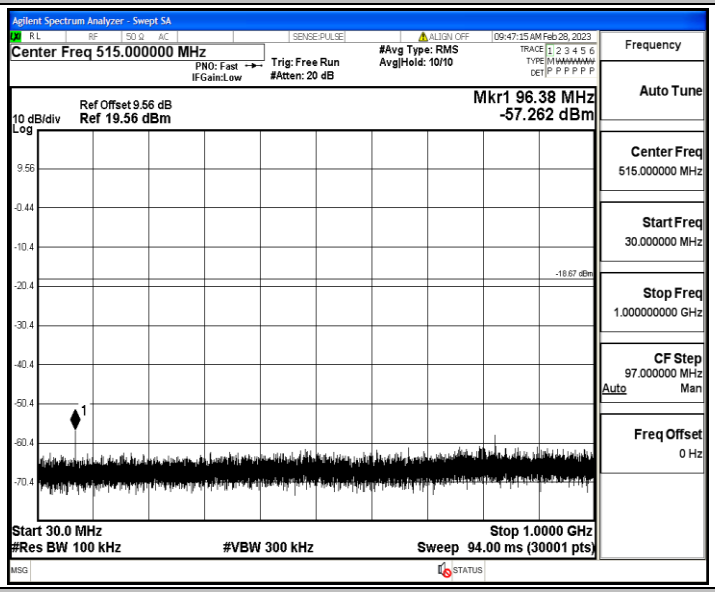
3DH5_Ant1_2441_1000~26500



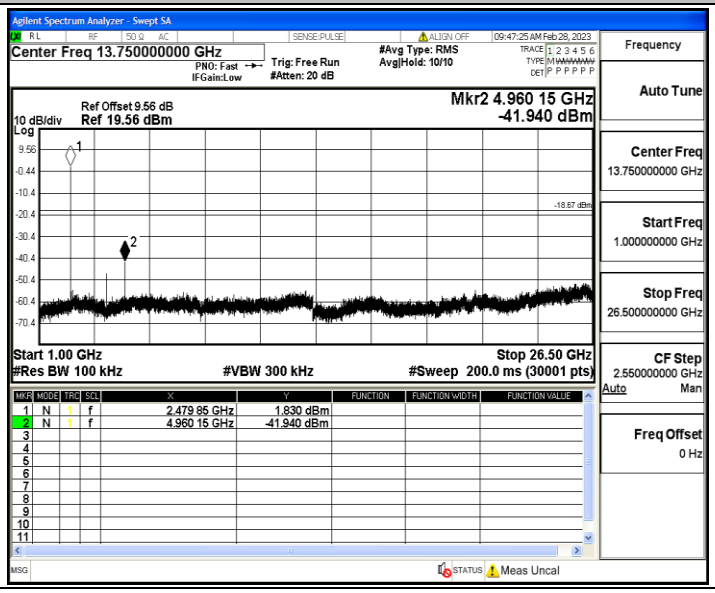
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.92	3.82	76.44	0.34
		2441	2.91	3.81	76.38	0.34
		2480	2.92	3.82	76.44	0.34
2DH5	Ant1	2402	2.91	3.81	76.38	0.34
		2441	2.93	3.82	76.70	0.34
		2480	2.93	3.83	76.50	0.34
3DH5	Ant1	2402	2.92	3.82	76.44	0.34
		2441	2.91	3.81	76.38	0.34
		2480	2.91	3.81	76.38	0.34