

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)**Product Name: Mobile Phone****Trade Mark: TG****Test Model: TGMovil****FCC ID: 2BA86TGMovil****Environmental Conditions**

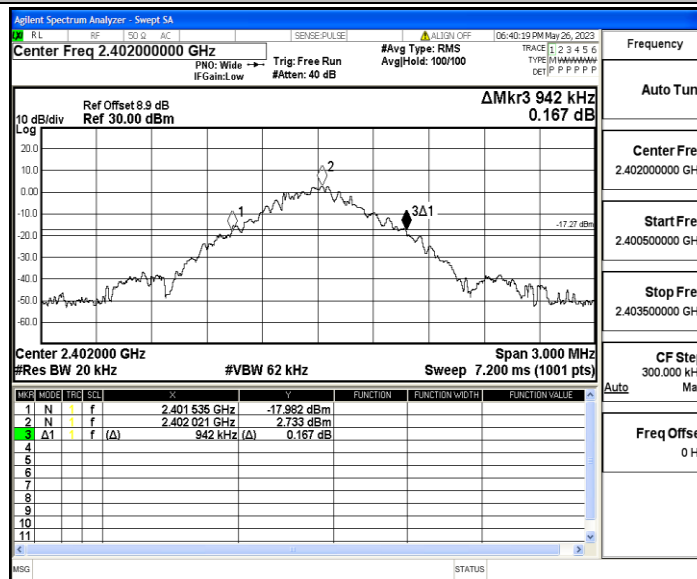
Temperature:	23.3℃
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth**Test Result**

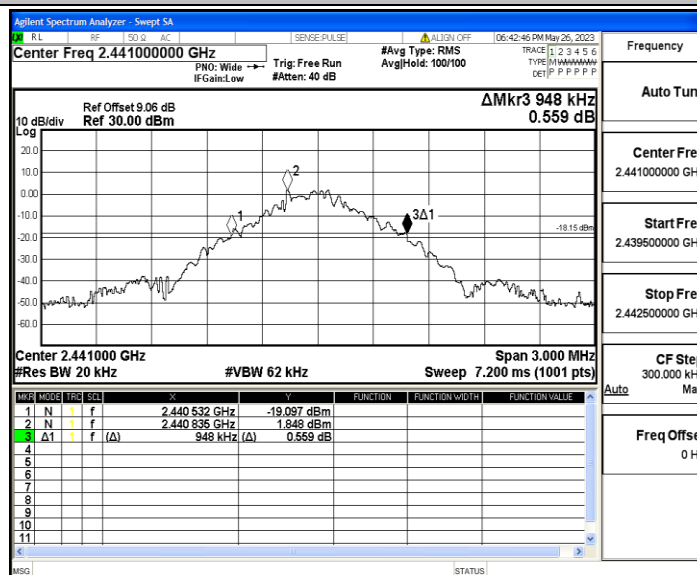
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.535	2402.477	---	---
		2441	0.948	2440.532	2441.480	---	---
		2480	0.930	2479.544	2480.474	---	---
2DH5	Ant1	2402	1.311	2401.340	2402.651	---	---
		2441	1.329	2440.328	2441.657	---	---
		2480	1.329	2479.328	2480.657	---	---
3DH5	Ant1	2402	1.281	2401.343	2402.624	---	---
		2441	1.281	2440.343	2441.624	---	---
		2480	1.293	2479.346	2480.639	---	---

Test Graphs

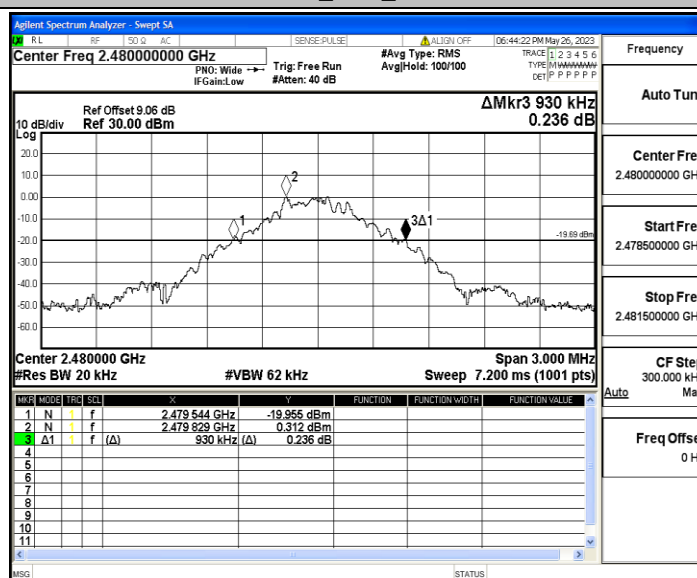
DH5_Ant1_2402



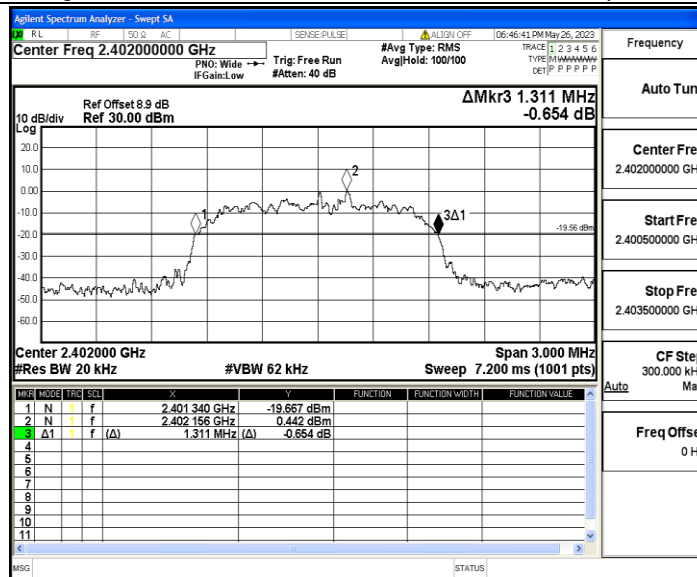
DH5_Ant1_2441



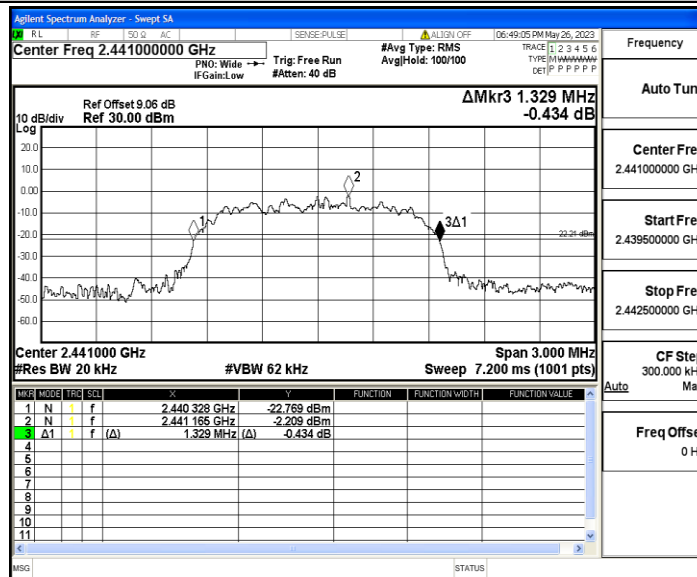
DH5_Ant1_2480



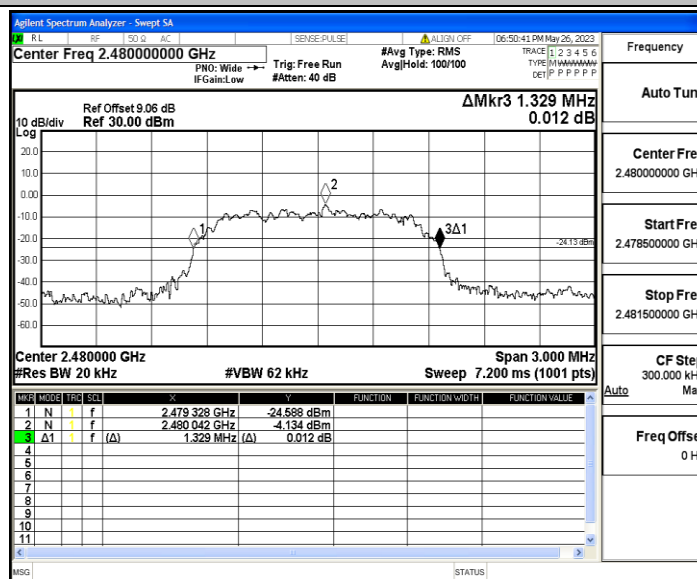
2DH5_Ant1_2402



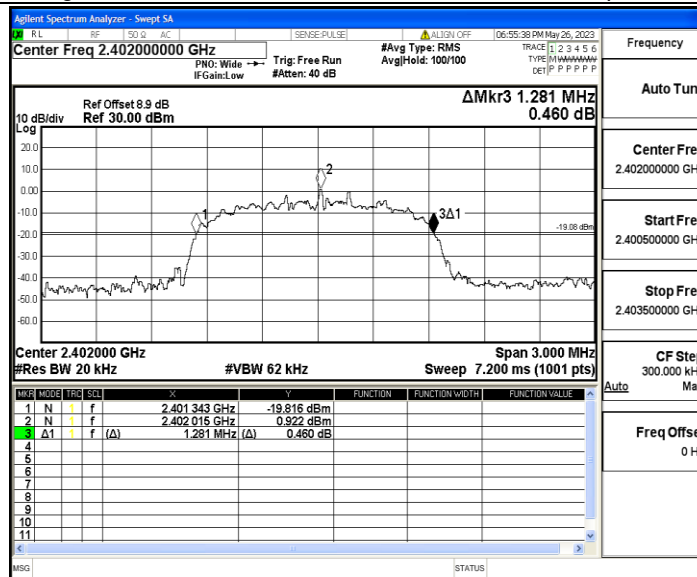
2DH5_Ant1_2441



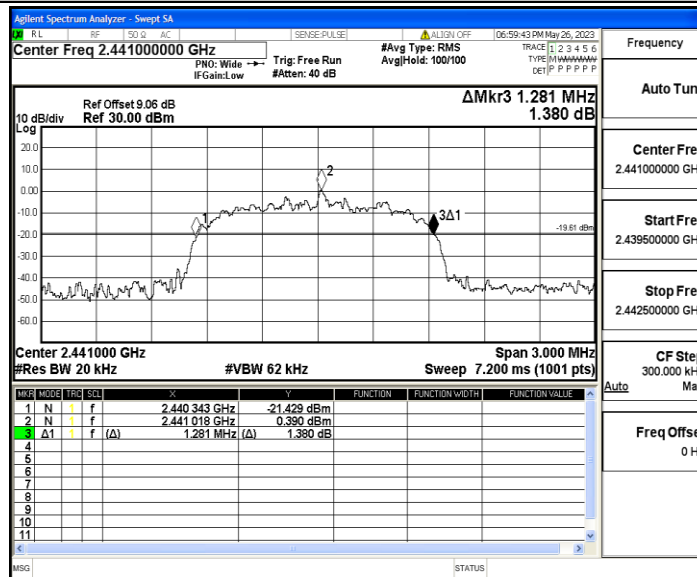
2DH5_Ant1_2480



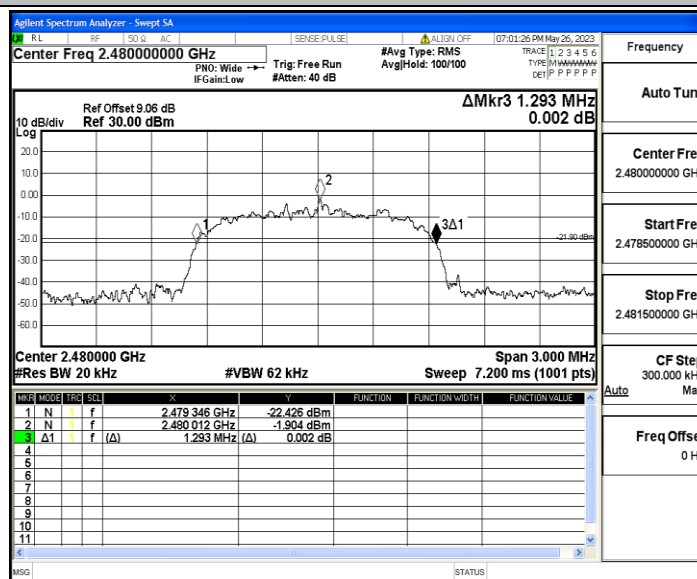
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

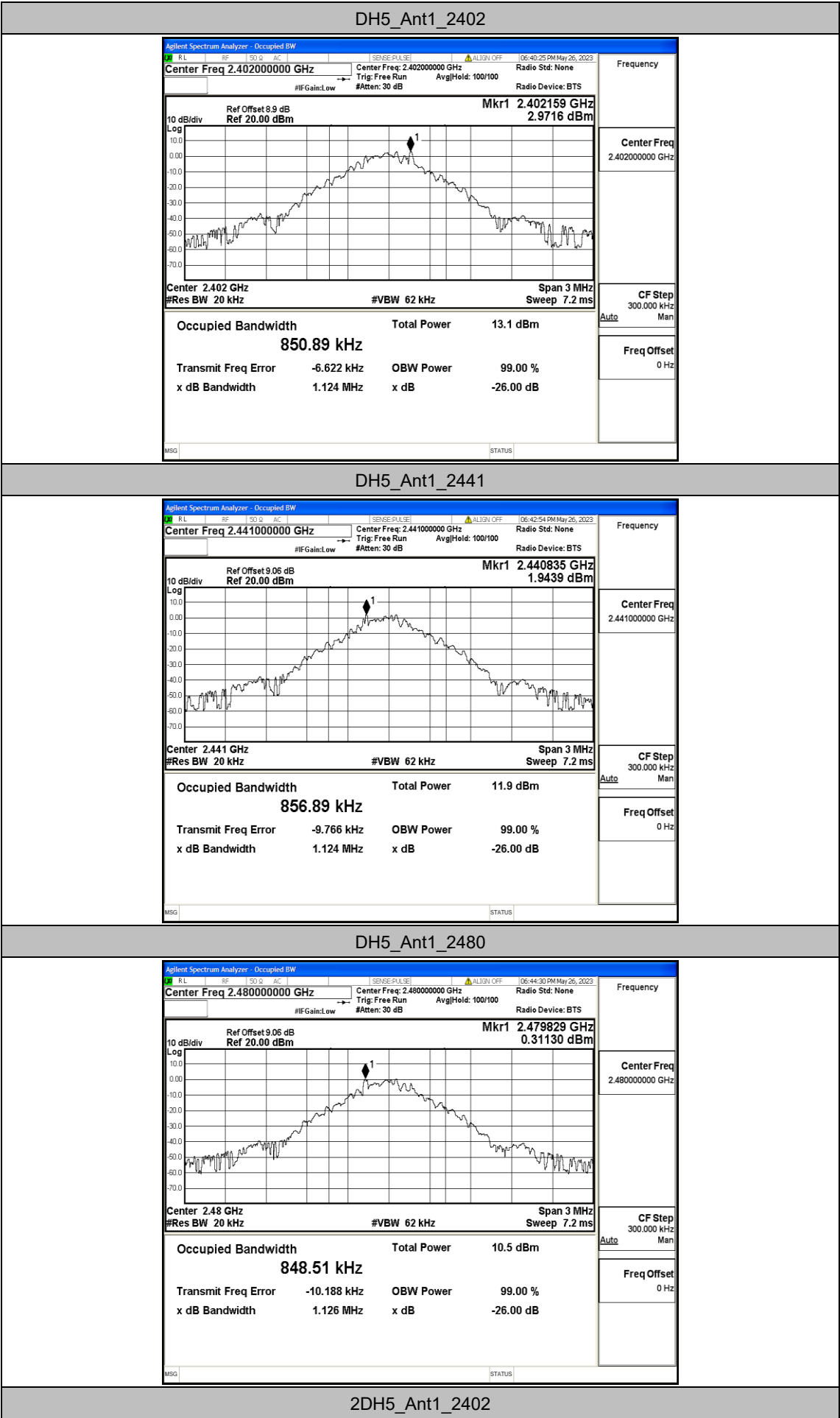


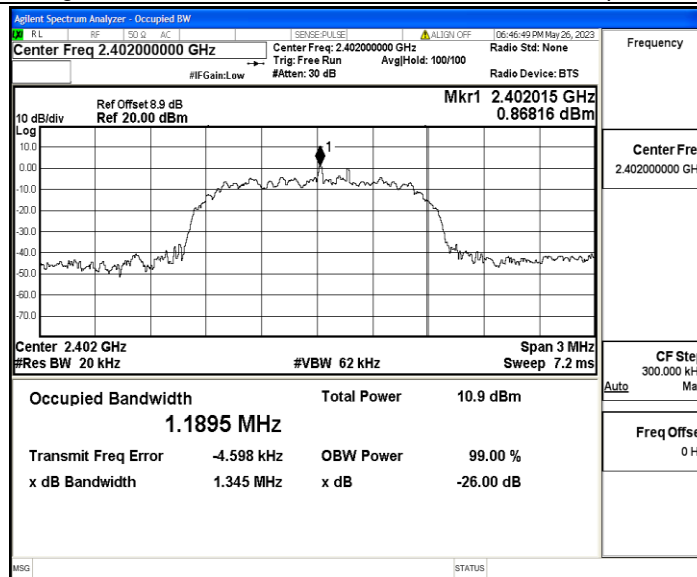
Appendix B: Occupied Channel Bandwidth

Test Result

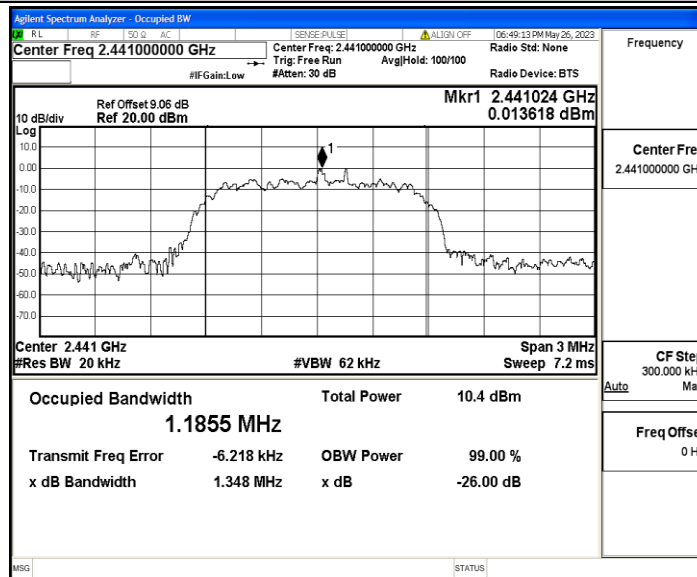
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.85089	2401.5679	2402.4188	---	---
		2441	0.85689	2440.5618	2441.4187	---	---
		2480	0.84851	2479.5656	2480.4141	---	---
2DH5	Ant1	2402	1.1895	2401.4007	2402.5902	---	---
		2441	1.1855	2440.4010	2441.5865	---	---
		2480	1.1837	2479.3999	2480.5836	---	---
3DH5	Ant1	2402	1.1908	2401.3918	2402.5826	---	---
		2441	1.1952	2440.3887	2441.5839	---	---
		2480	1.1910	2479.3913	2480.5823	---	---

Test Graphs

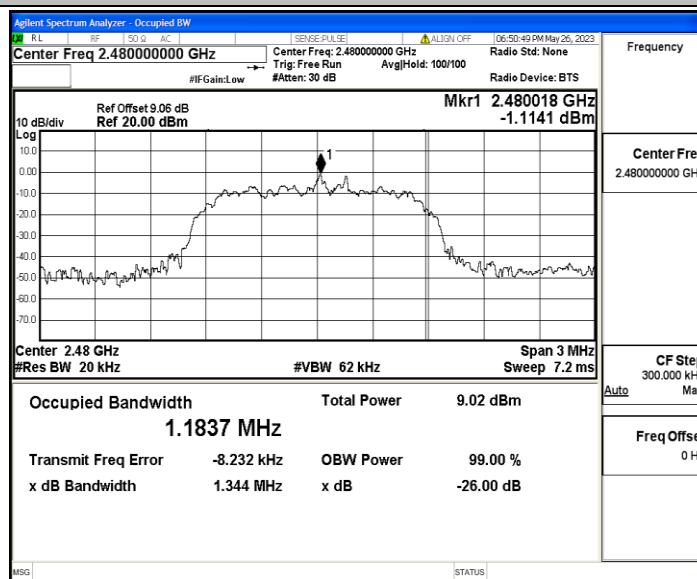




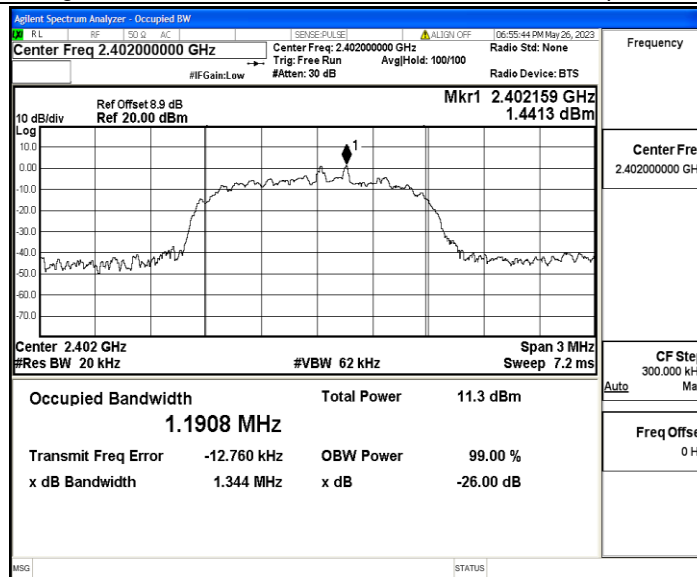
2DH5_Ant1_2441



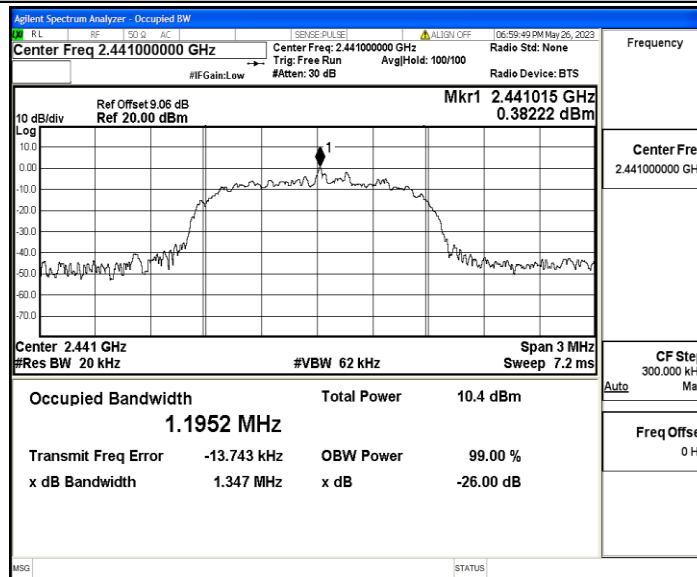
2DH5_Ant1_2480



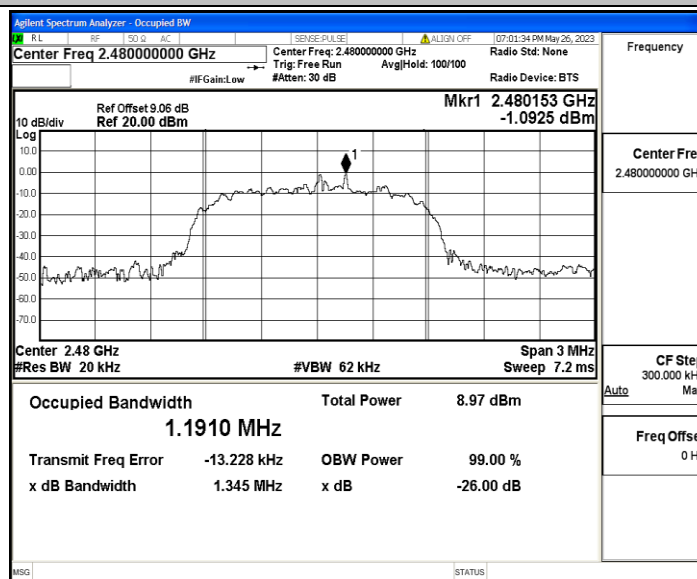
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

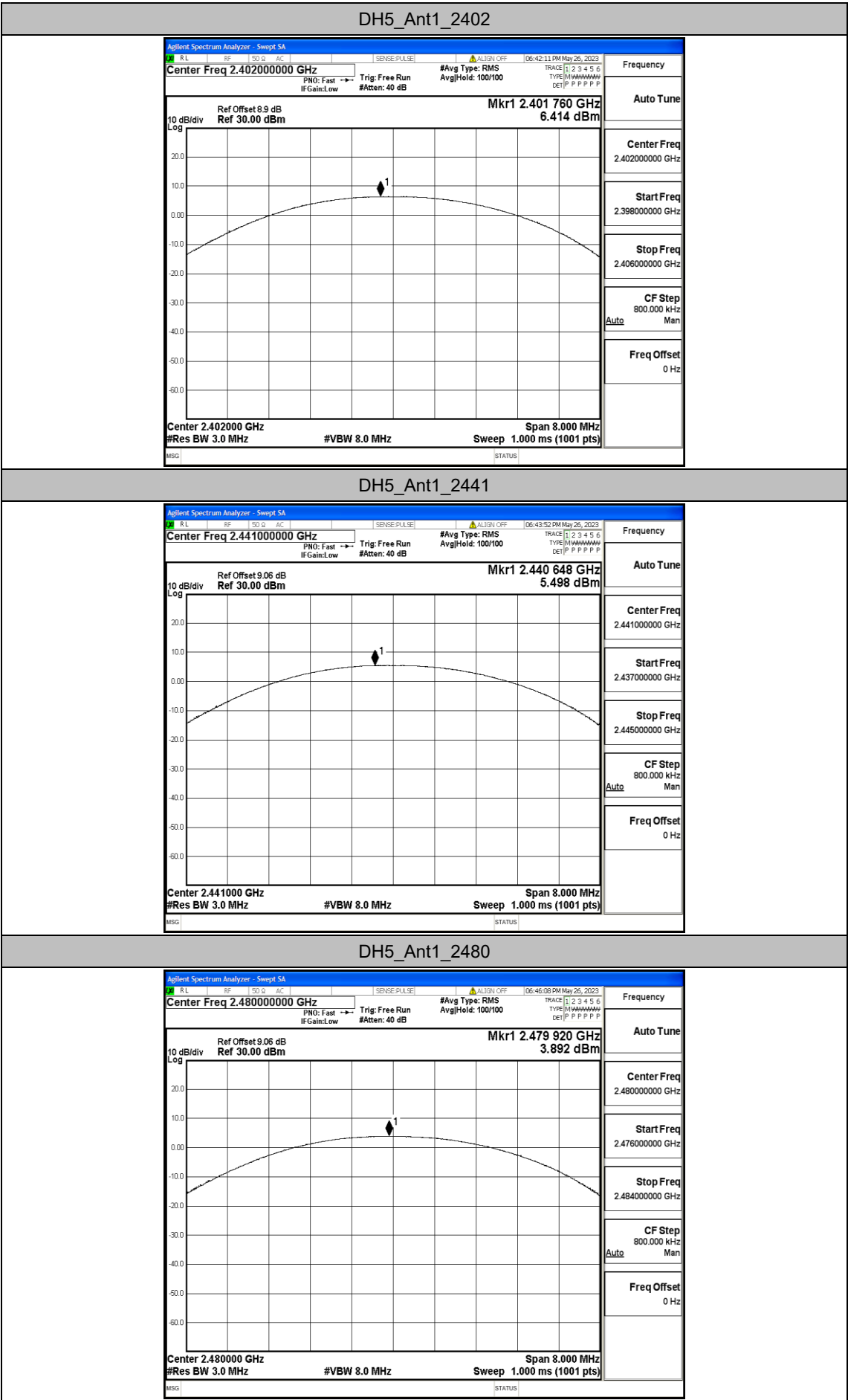


Appendix C: Maximum Peak conducted output power

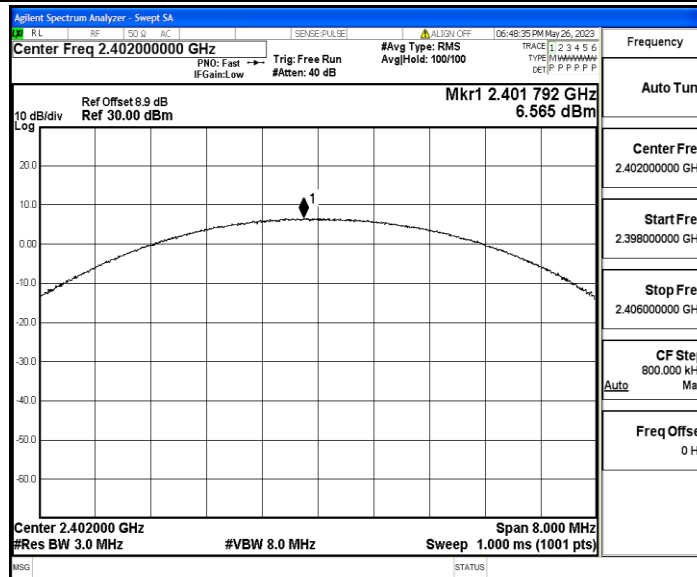
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	6.41	≤30.0	PASS
		2441	5.5	≤30.0	PASS
		2480	3.89	≤30.0	PASS
2DH5	Ant1	2402	6.57	≤20.97	PASS
		2441	6.07	≤20.97	PASS
		2480	4.59	≤20.97	PASS
3DH5	Ant1	2402	6.76	≤20.97	PASS
		2441	6.37	≤20.97	PASS
		2480	4.8	≤20.97	PASS

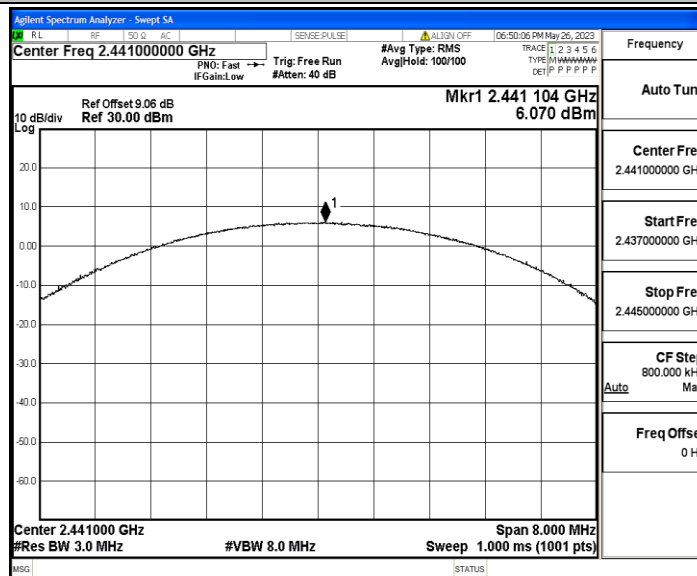
Test Graphs



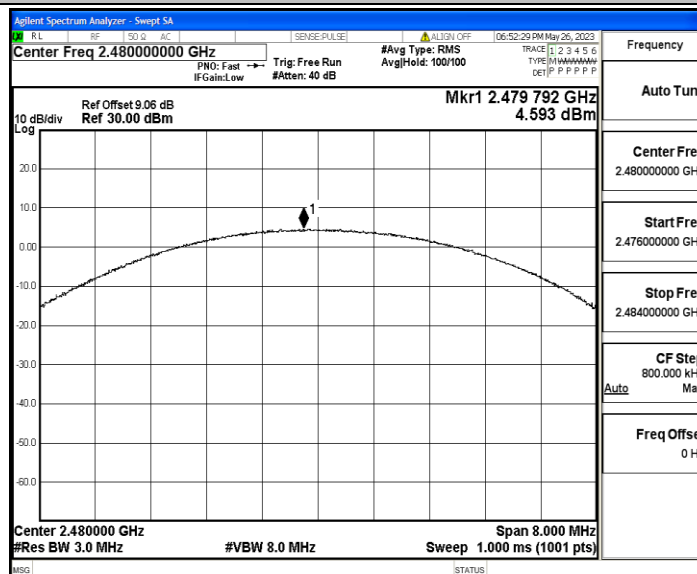
2DH5_Ant1_2402



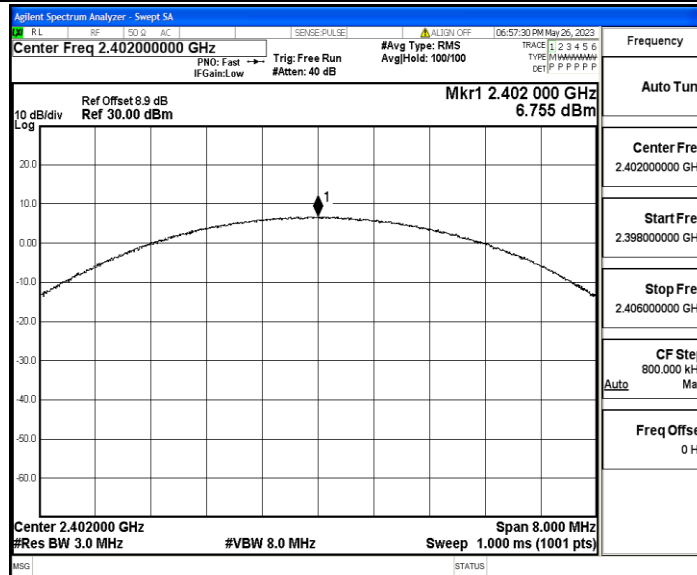
2DH5_Ant1_2441



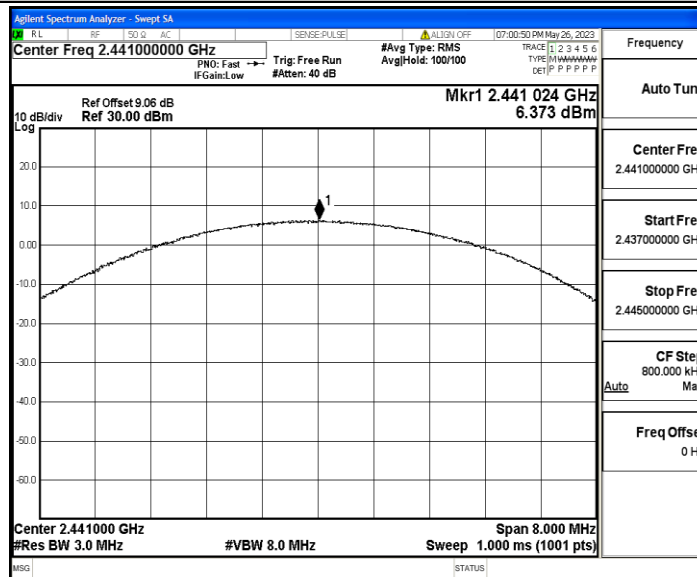
2DH5_Ant1_2480



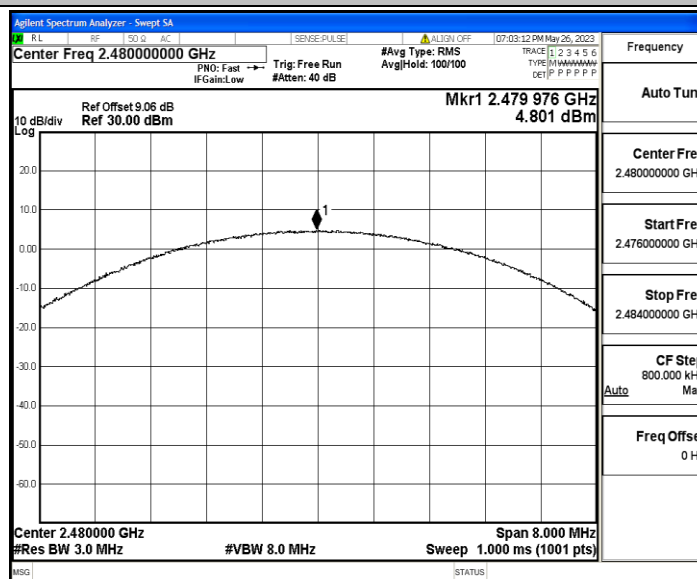
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

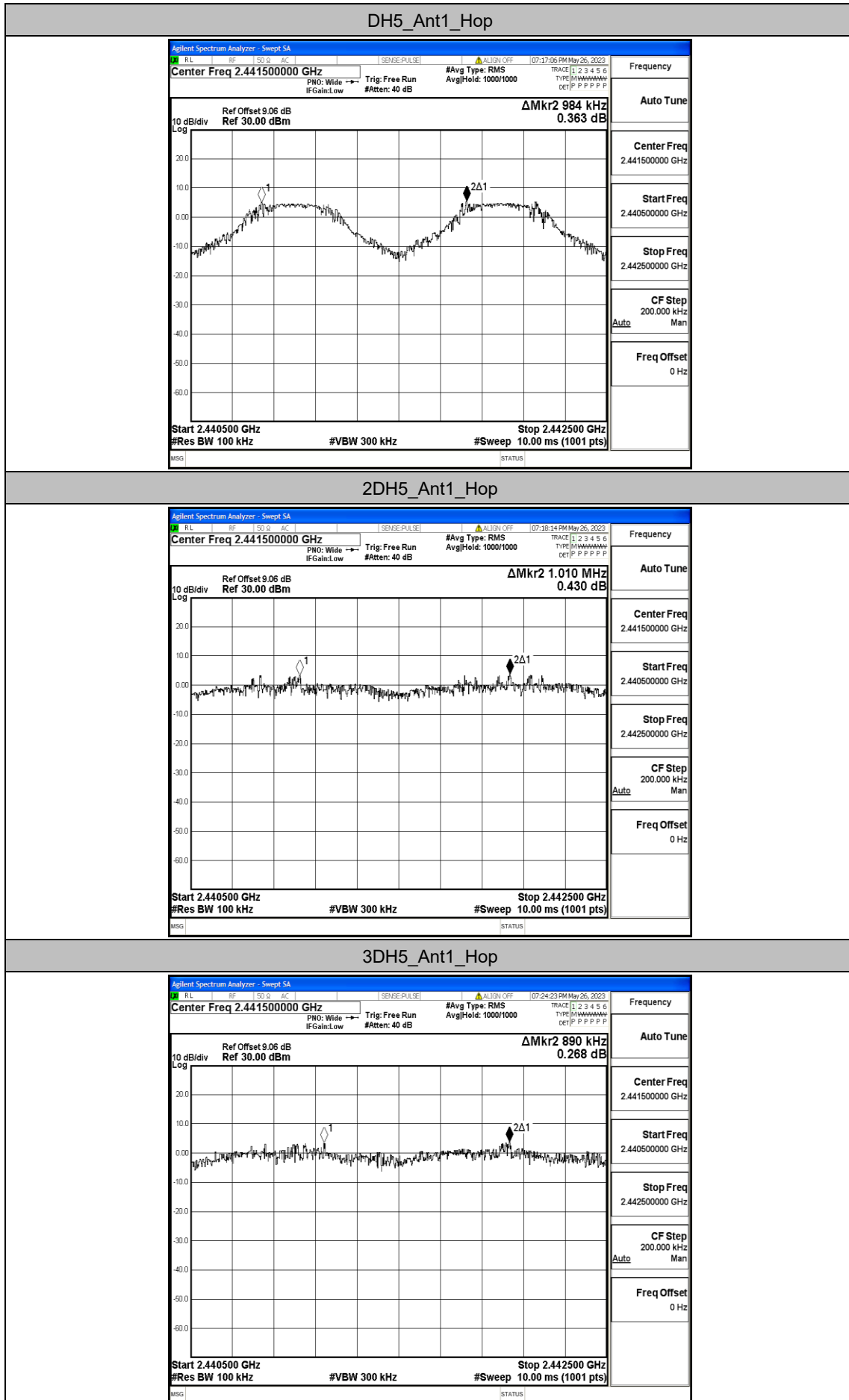


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.984	≥ 0.948	PASS
2DH5	Ant1	Hop	1.01	≥ 0.886	PASS
3DH5	Ant1	Hop	0.89	≥ 0.862	PASS

Test Graphs

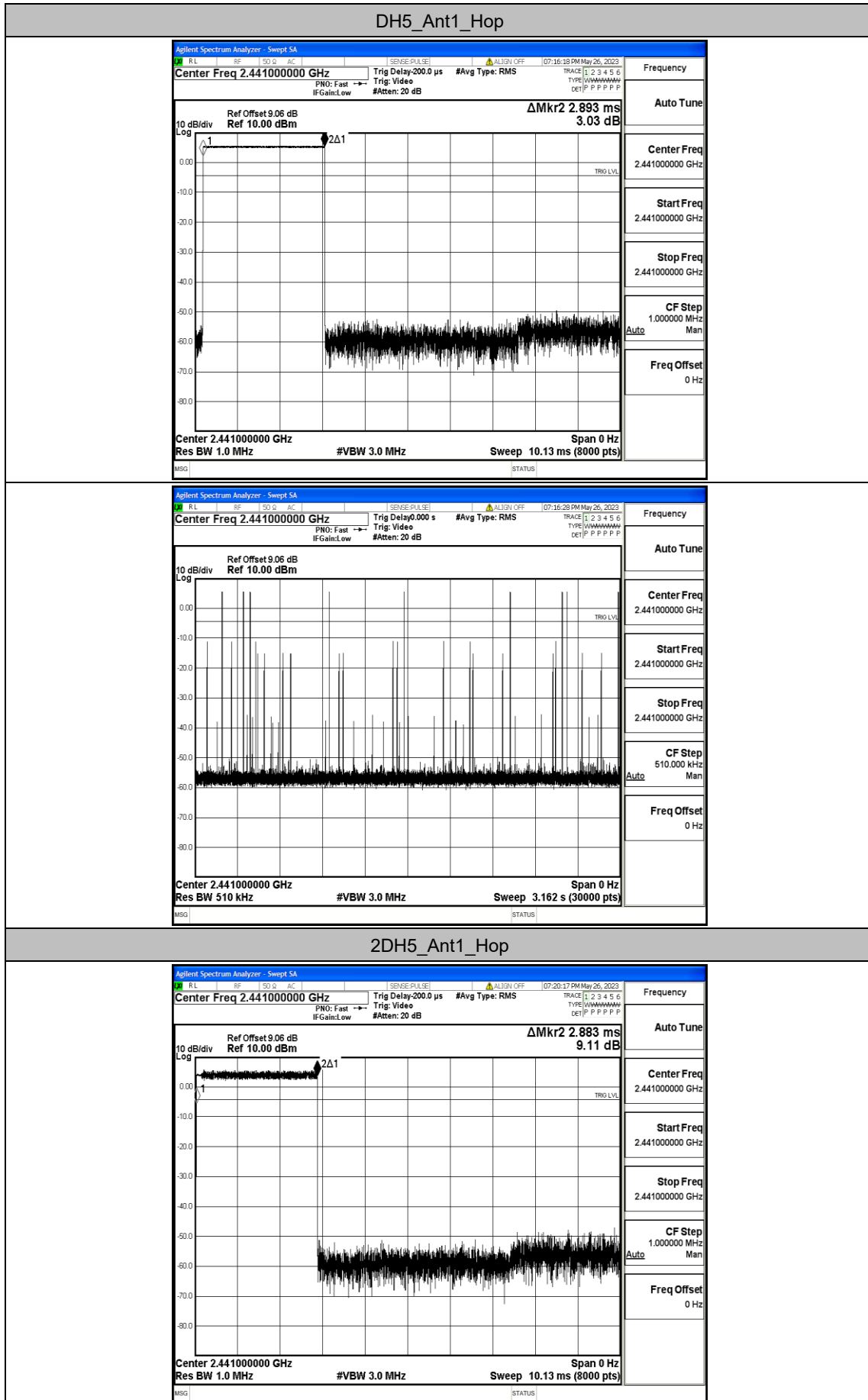


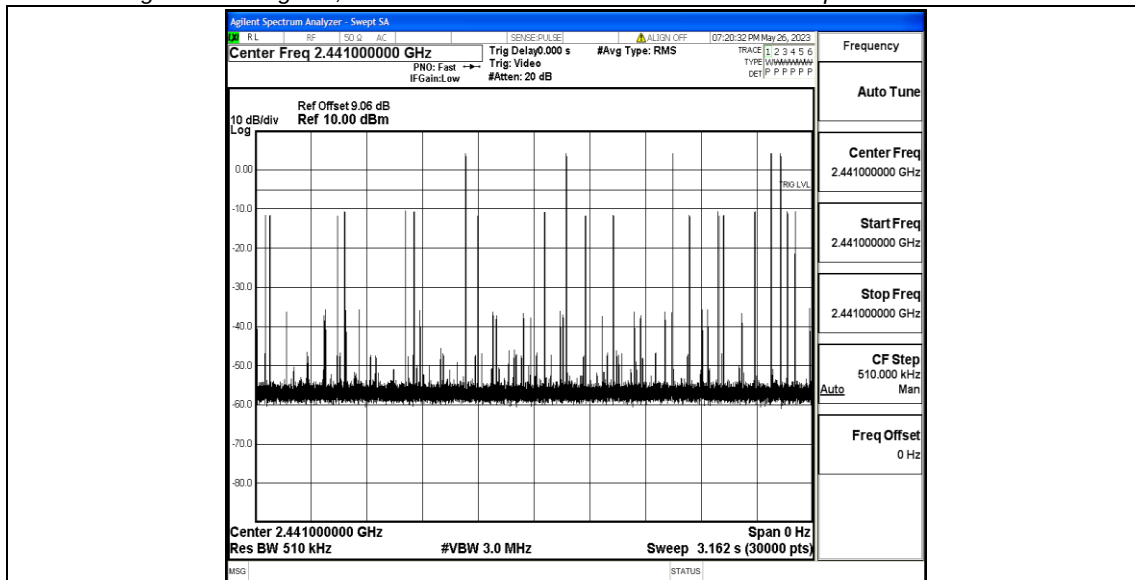
Appendix E: Time of occupancy

Test Result

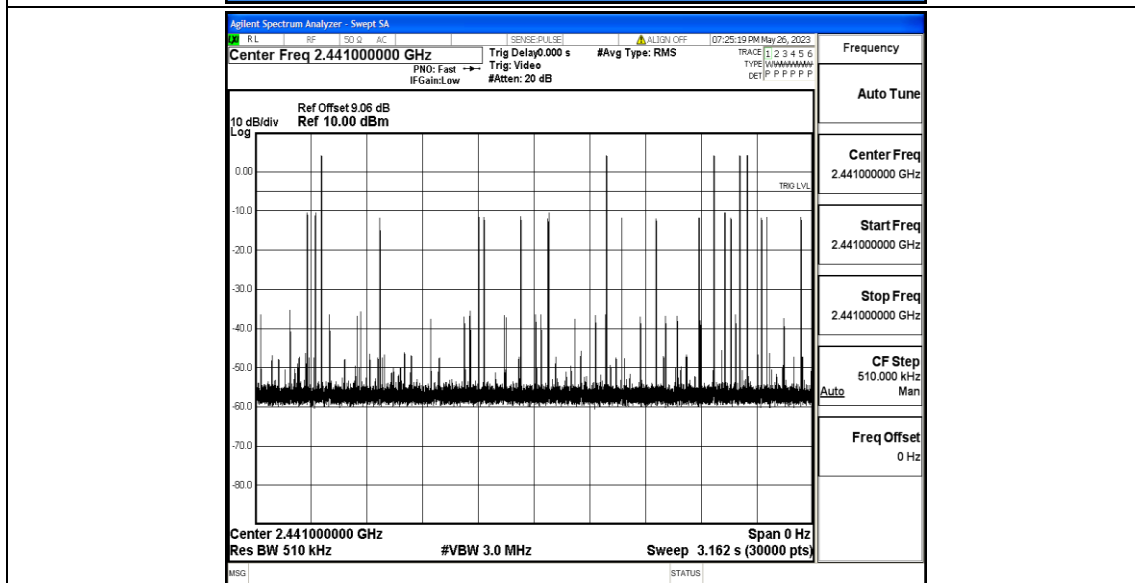
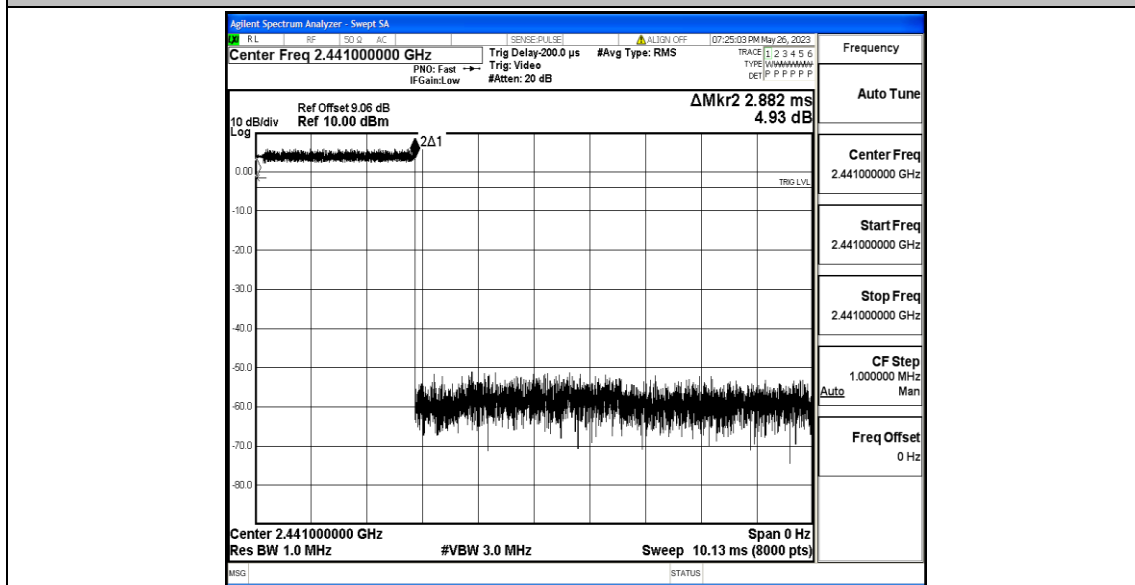
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.893	100	0.289	≤0.4	PASS
2DH5	Ant1	Hop	2.883	60	0.173	≤0.4	PASS
3DH5	Ant1	Hop	2.882	60	0.173	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop

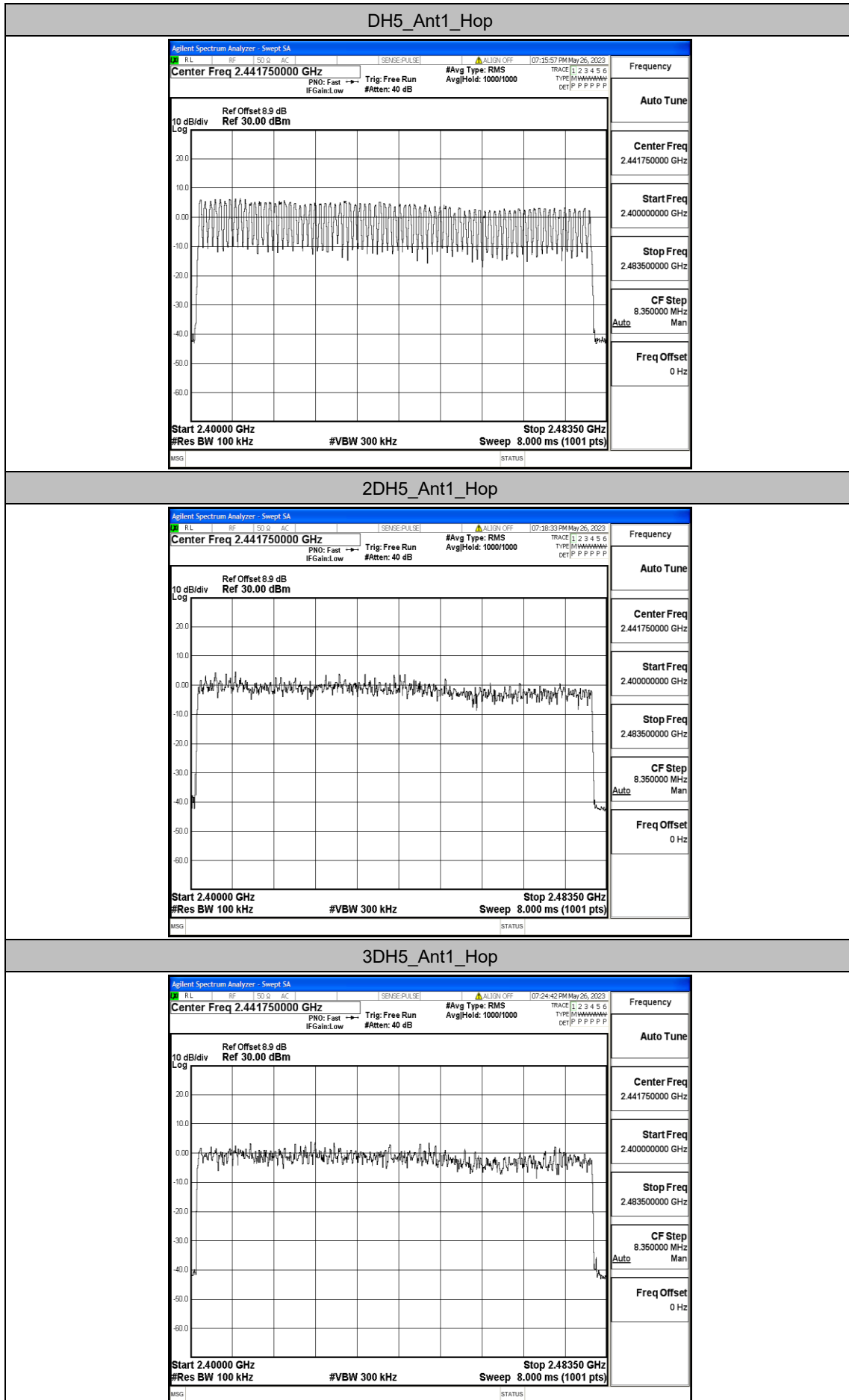


Appendix F: Number of hopping channels

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



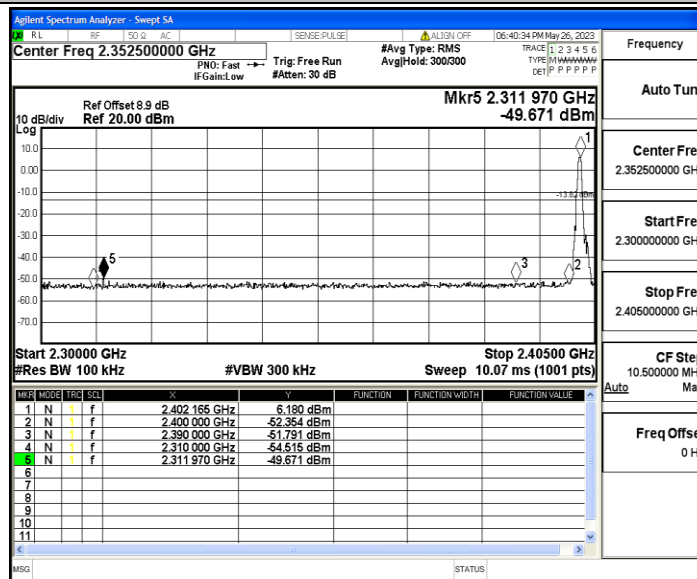
Appendix G: Band edge measurements

Test Result

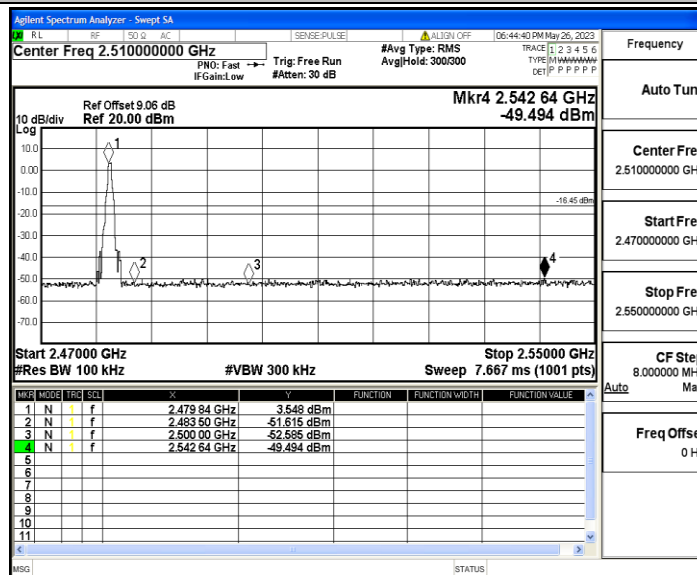
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	6.18	-49.67	≤ -13.82	PASS
		High	2480	3.55	-49.49	≤ -16.45	PASS
		Low	Hop_2402	5.81	-50.6	≤ -14.2	PASS
		High	Hop_2480	3.58	-49.43	≤ -16.42	PASS
2DH5	Ant1	Low	2402	4.00	-46.12	≤ -16	PASS
		High	2480	1.88	-49.44	≤ -18.12	PASS
		Low	Hop_2402	1.77	-50.76	≤ -18.23	PASS
		High	Hop_2480	1.63	-49.68	≤ -18.37	PASS
3DH5	Ant1	Low	2402	2.40	-46.84	≤ -17.6	PASS
		High	2480	2.13	-49.19	≤ -17.88	PASS
		Low	Hop_2402	1.41	-51.04	≤ -18.59	PASS
		High	Hop_2480	2.26	-49.43	≤ -17.74	PASS

Test Graphs

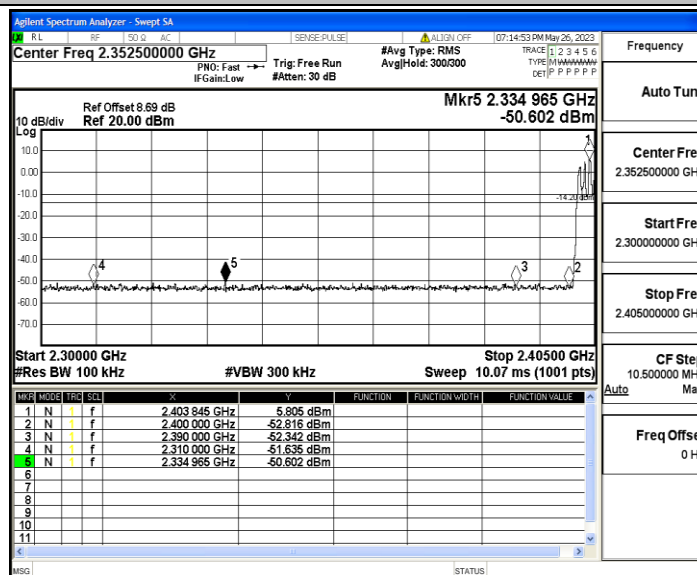
DH5_Ant1_Low_2402



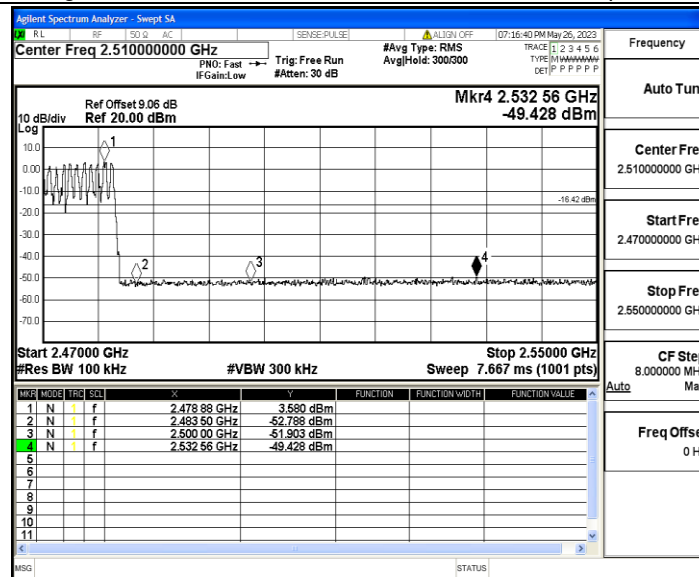
DH5_Ant1_High_2480



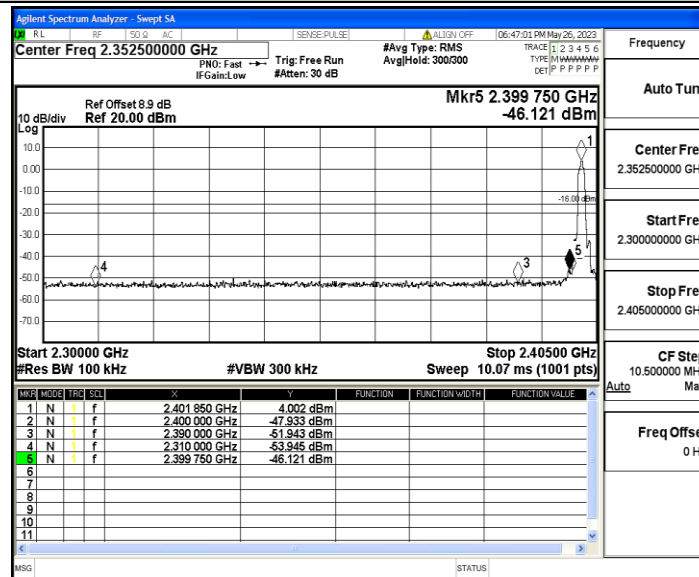
DH5_Ant1_Low_Hop_2402



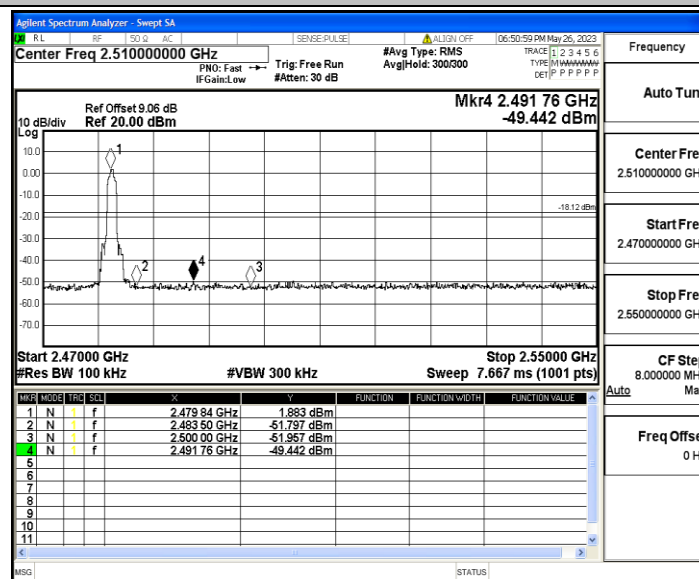
DH5_Ant1_High_Hop_2480



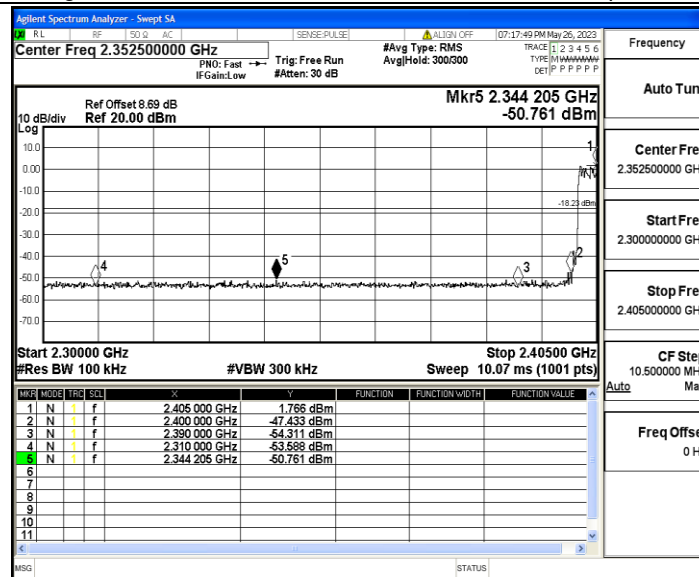
2DH5_Ant1_Low_2402



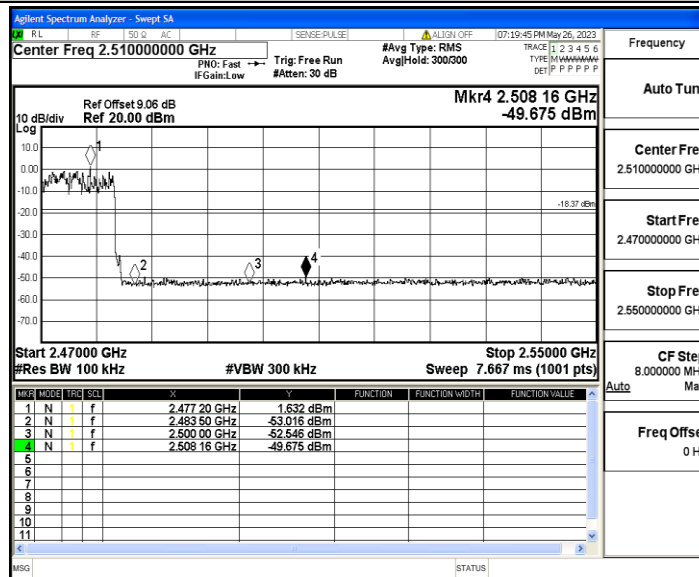
2DH5_Ant1_High_2480



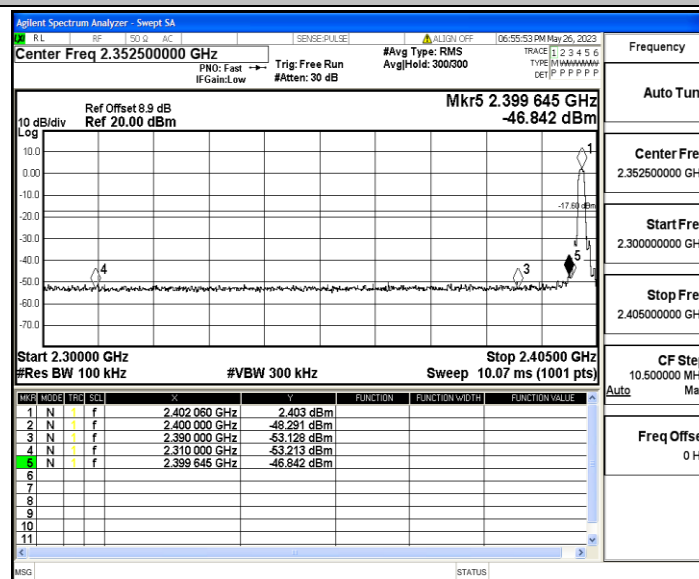
2DH5_Ant1_Low_Hop_2402



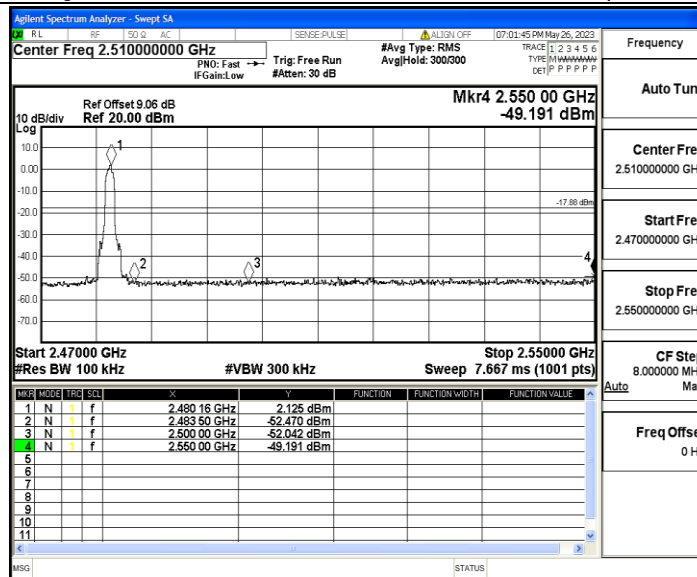
2DH5_Ant1_High_Hop_2480



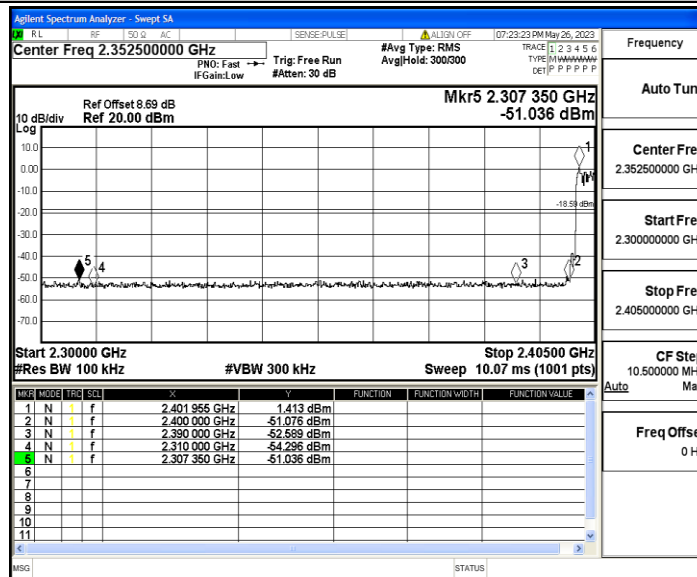
3DH5_Ant1_Low_2402



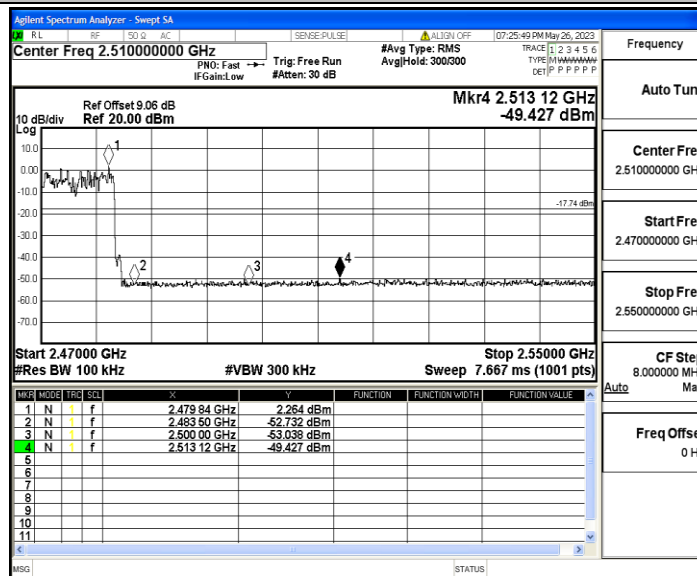
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



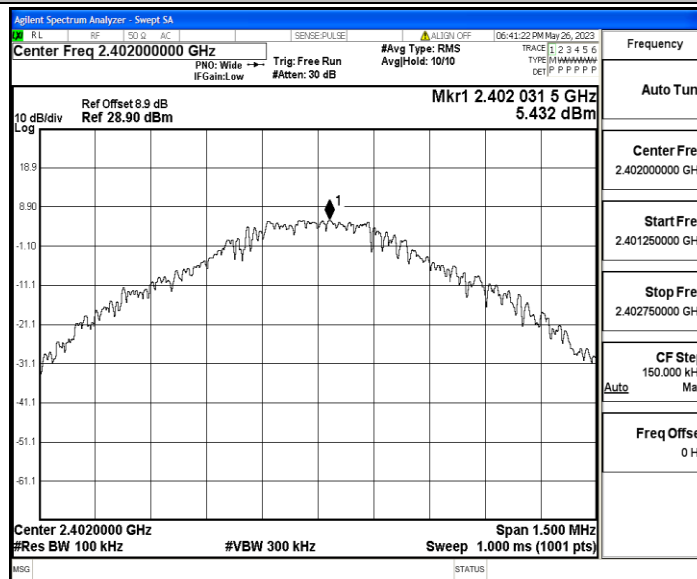
Appendix H: Conducted Spurious Emission

Test Result

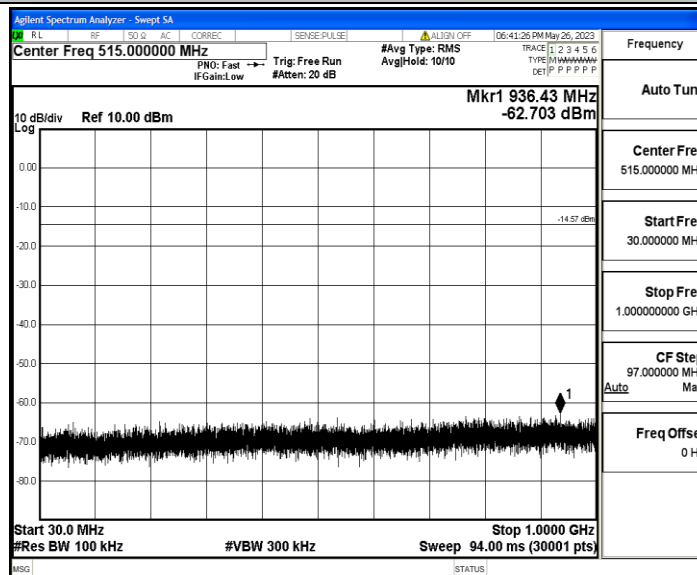
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	5.43	5.43	---	PASS
			30~1000	5.43	-62.7	≤-14.57	PASS
			1000~26500	5.43	-50.73	≤-14.57	PASS
		2441	Reference	4.41	4.41	---	PASS
			30~1000	4.41	-63.06	≤-15.59	PASS
			1000~26500	4.41	-50.14	≤-15.59	PASS
		2480	Reference	2.75	2.75	---	PASS
			30~1000	2.75	-62.86	≤-17.25	PASS
			1000~26500	2.75	-50.18	≤-17.25	PASS
2DH5	Ant1	2402	Reference	4.02	4.02	---	PASS
			30~1000	4.02	-62.5	≤-15.98	PASS
			1000~26500	4.02	-50.57	≤-15.98	PASS
		2441	Reference	2.66	2.66	---	PASS
			30~1000	2.66	-62.23	≤-17.34	PASS
			1000~26500	2.66	-50.6	≤-17.34	PASS
		2480	Reference	-1.22	-1.22	---	PASS
			30~1000	-1.22	-62.8	≤-21.22	PASS
			1000~26500	-1.22	-50.01	≤-21.22	PASS
3DH5	Ant1	2402	Reference	2.53	2.53	---	PASS
			30~1000	2.53	-62.63	≤-17.47	PASS
			1000~26500	2.53	-50.37	≤-17.47	PASS
		2441	Reference	1.61	1.61	---	PASS
			30~1000	1.61	-62.21	≤-18.39	PASS
			1000~26500	1.61	-50.25	≤-18.39	PASS
		2480	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-63.15	≤-20.49	PASS
			1000~26500	-0.49	-49.3	≤-20.49	PASS

Test Graphs

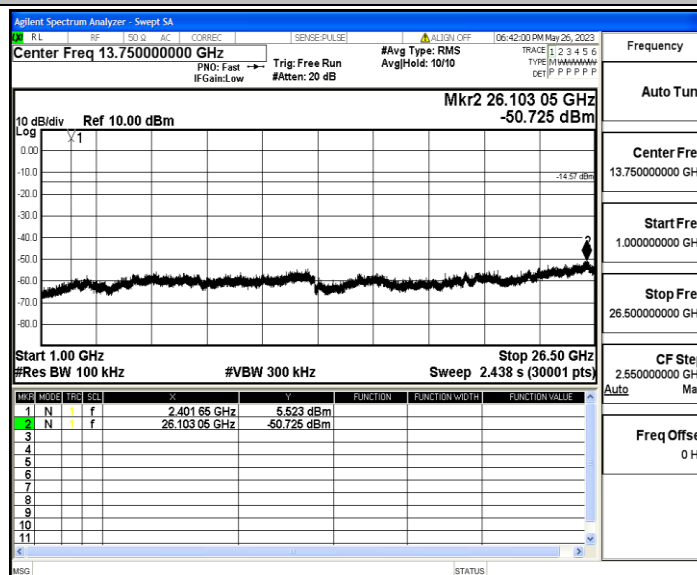
DH5_Ant1_2402_0~Reference



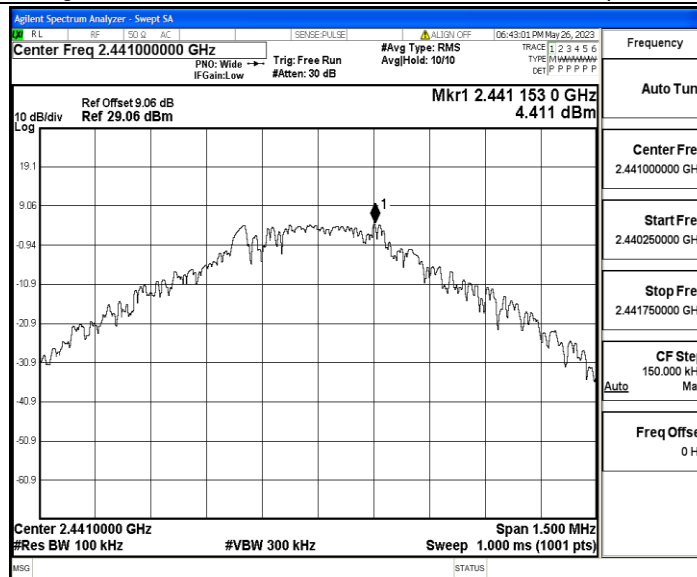
DH5_Ant1_2402_30~1000



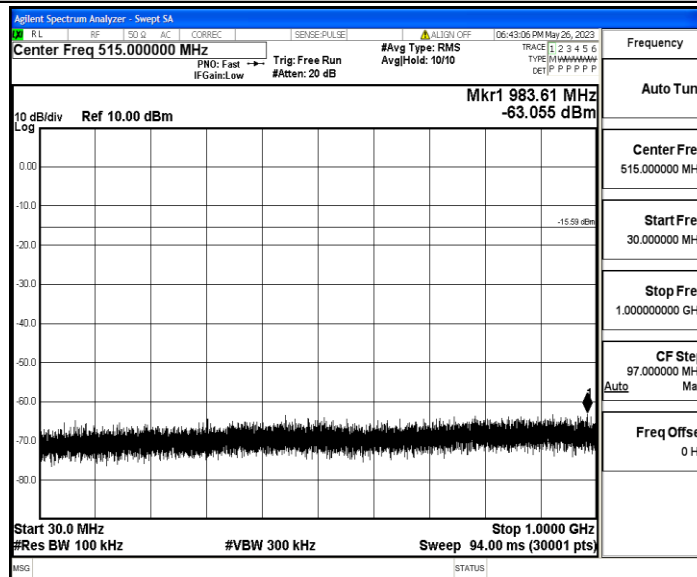
DH5_Ant1_2402_1000~26500



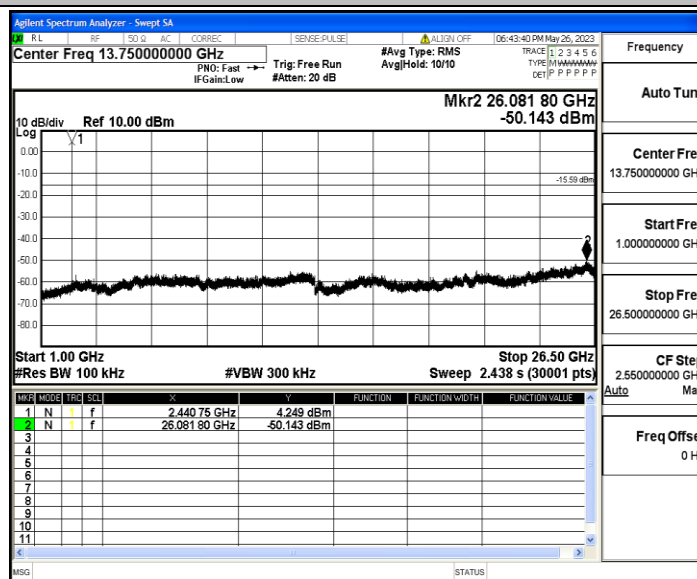
DH5_Ant1_2441_0~Reference



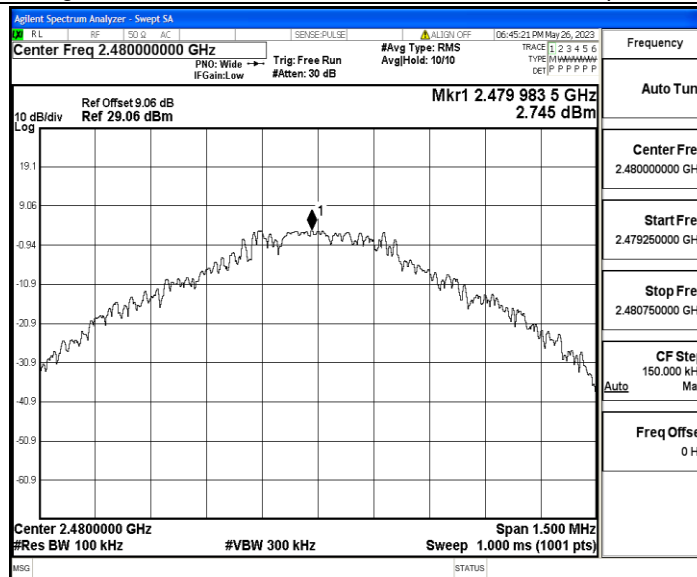
DH5_Ant1_2441_30~1000



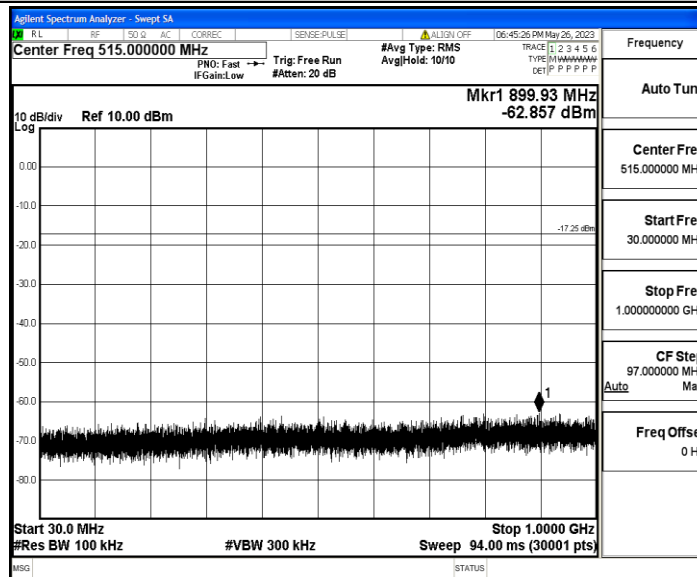
DH5_Ant1_2441_1000~26500



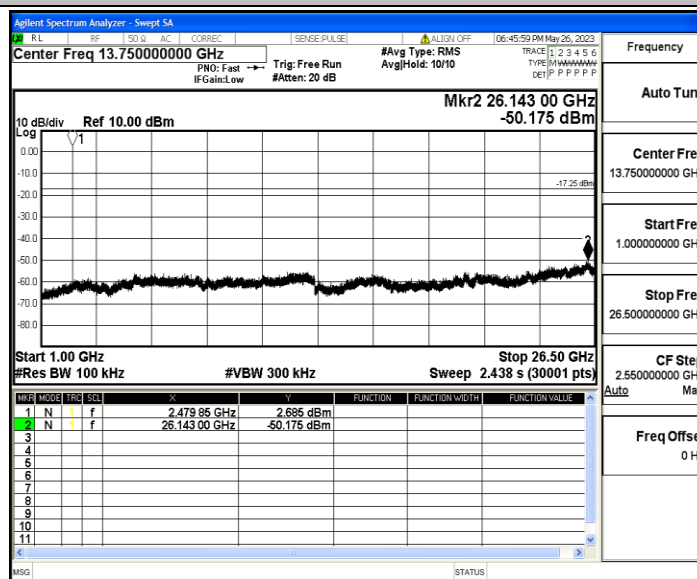
DH5_Ant1_2480_0~Reference



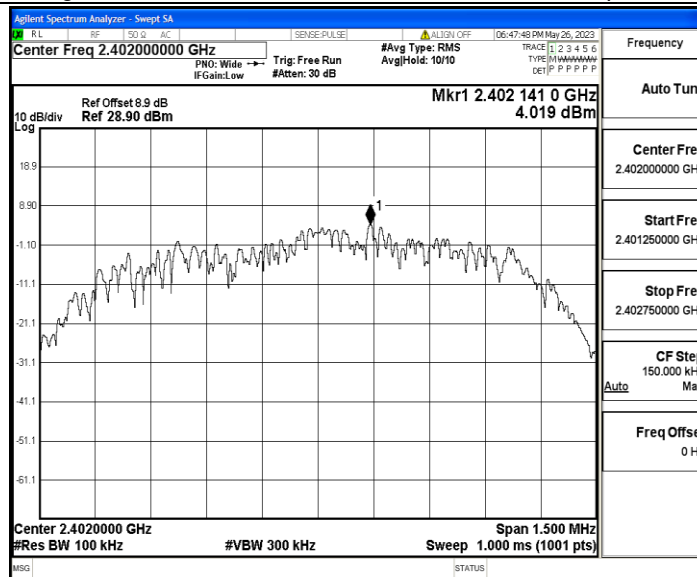
DH5_Ant1_2480_30~1000



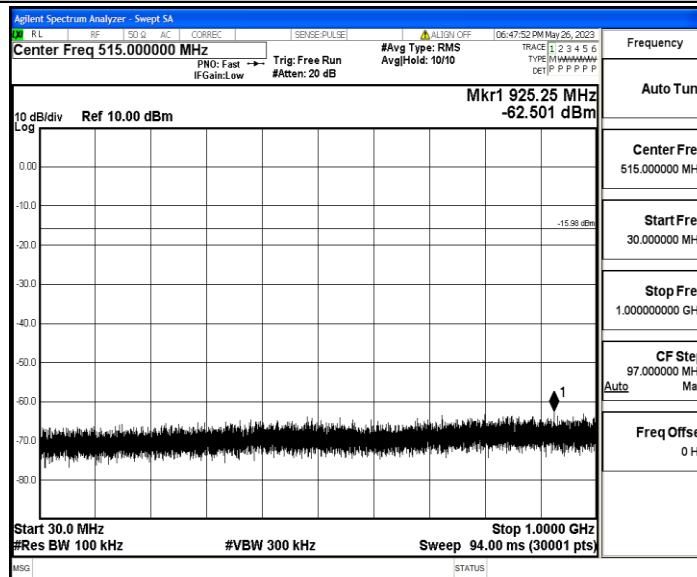
DH5_Ant1_2480_1000~26500



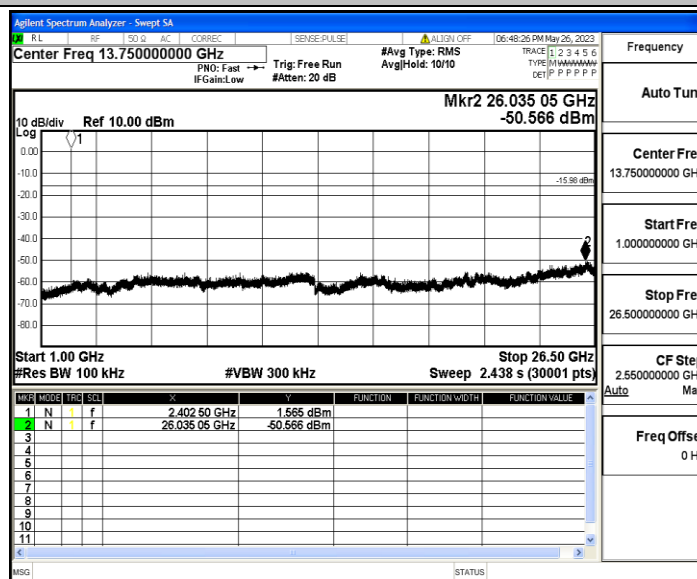
2DH5_Ant1_2402_0~Reference



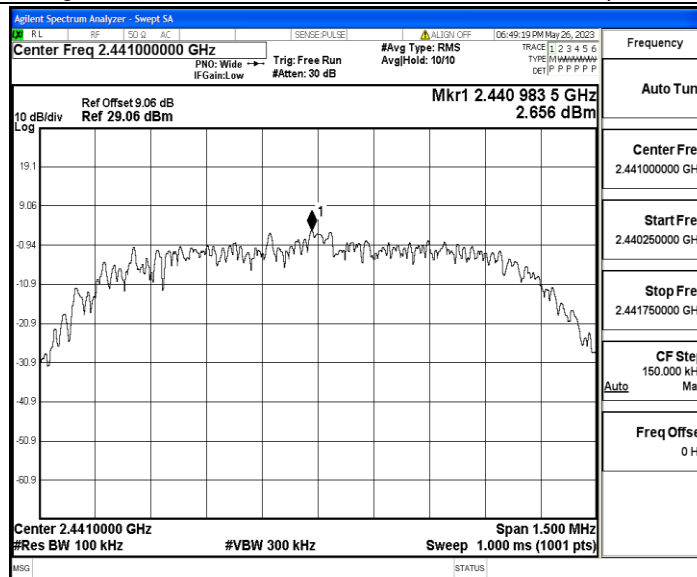
2DH5_Ant1_2402_30~1000



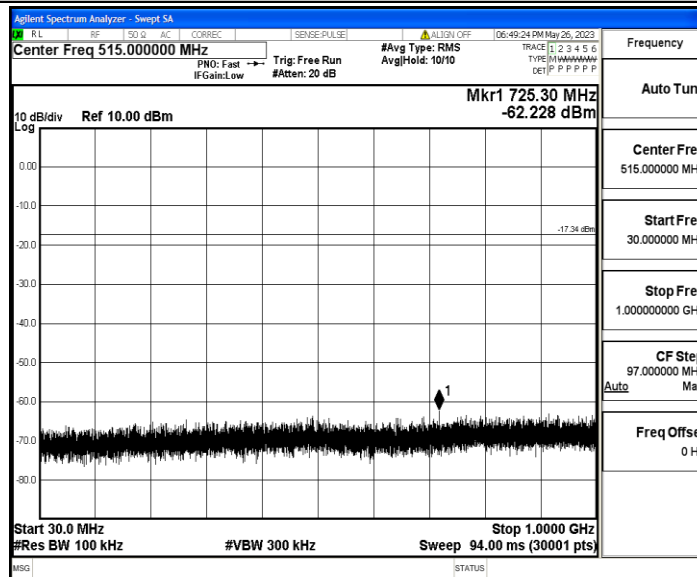
2DH5_Ant1_2402_1000~26500



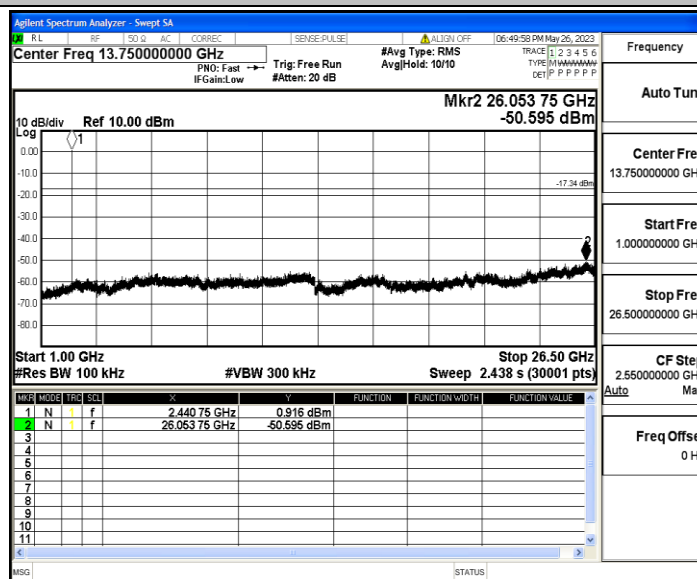
2DH5_Ant1_2441_0~Reference



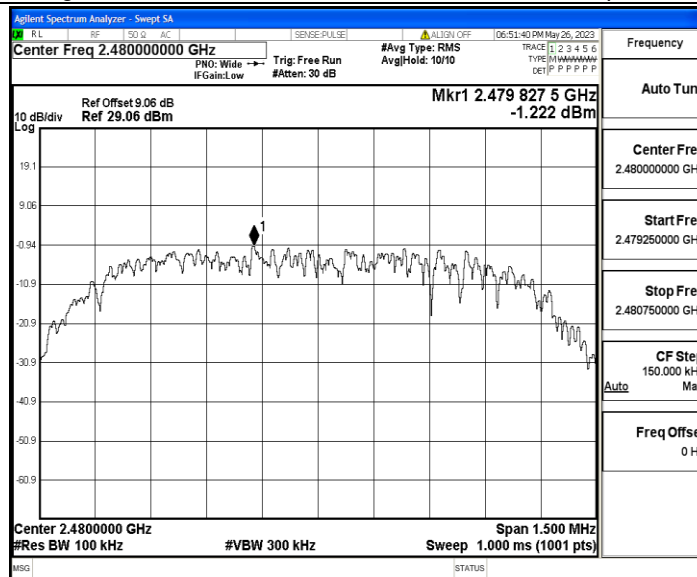
2DH5_Ant1_2441_30~1000



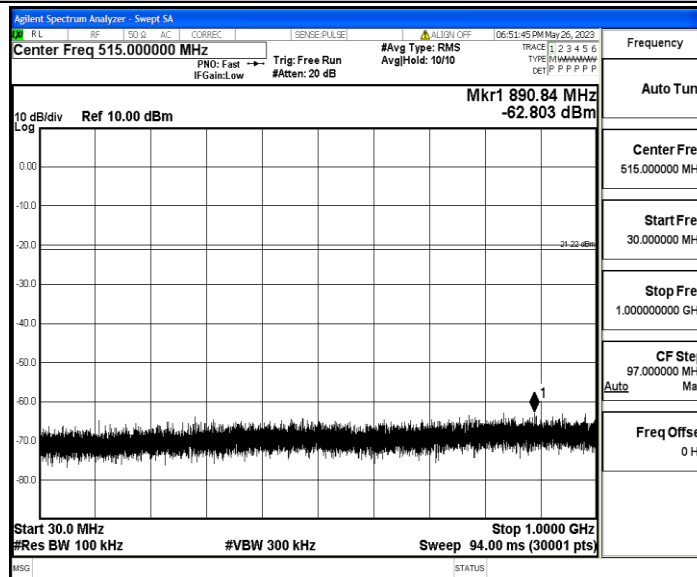
2DH5_Ant1_2441_1000~26500



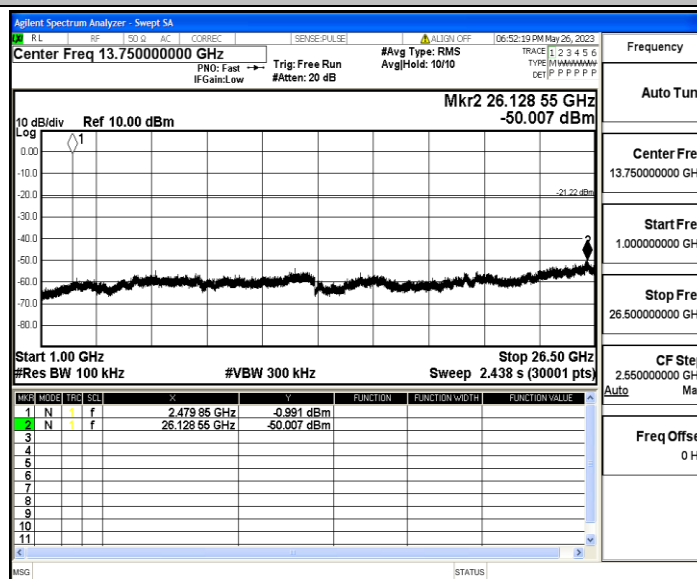
2DH5_Ant1_2480_0~Reference



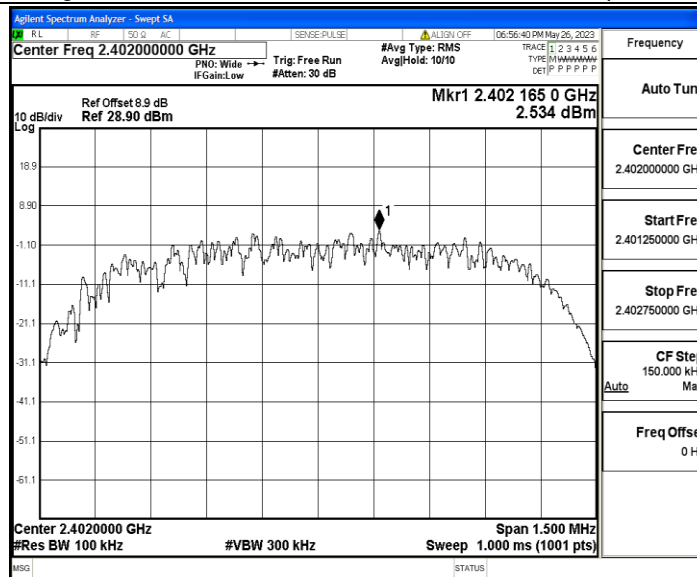
2DH5_Ant1_2480_30~1000



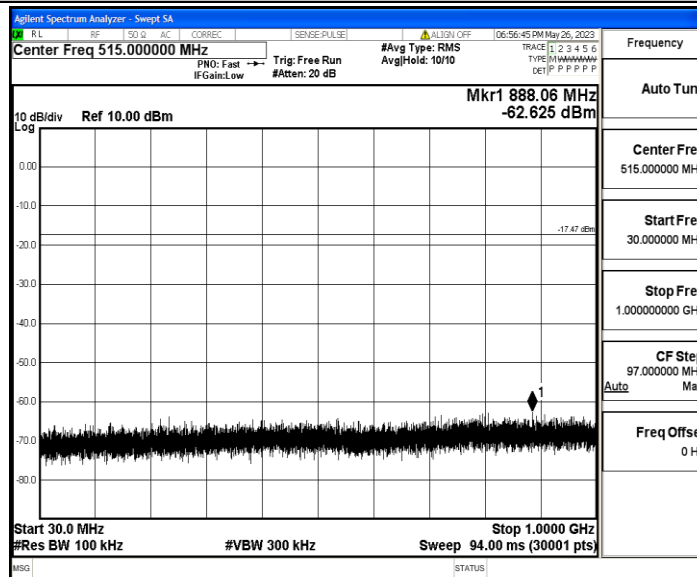
2DH5_Ant1_2480_1000~26500



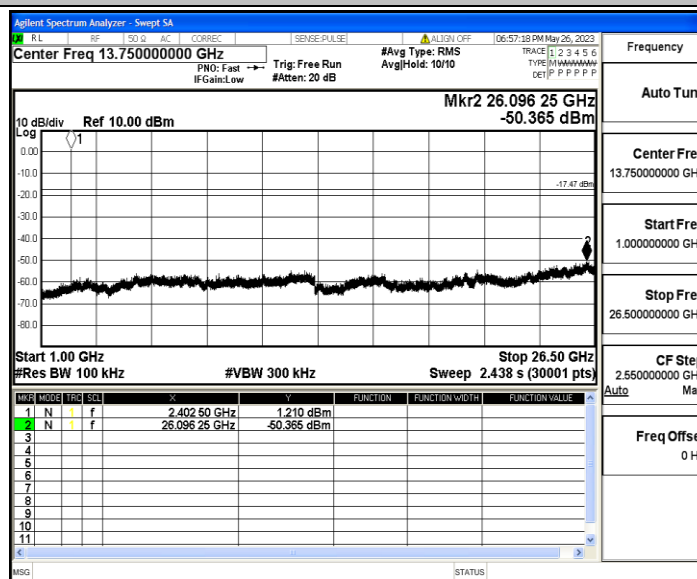
3DH5_Ant1_2402_0~Reference



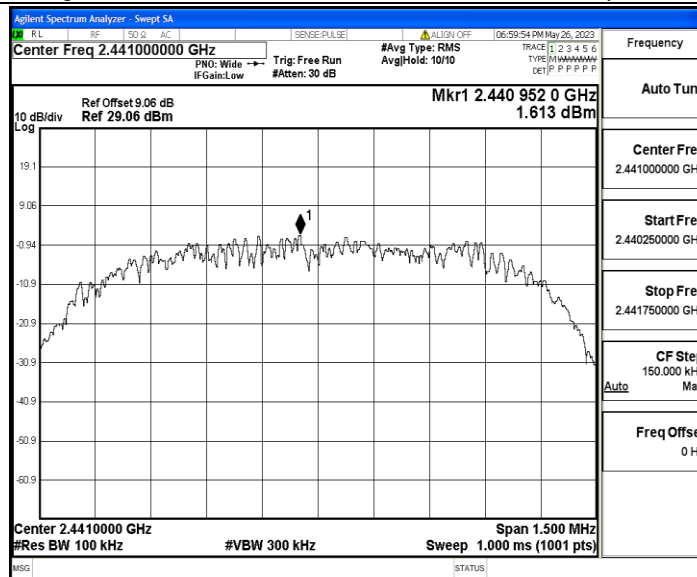
3DH5_Ant1_2402_30~1000



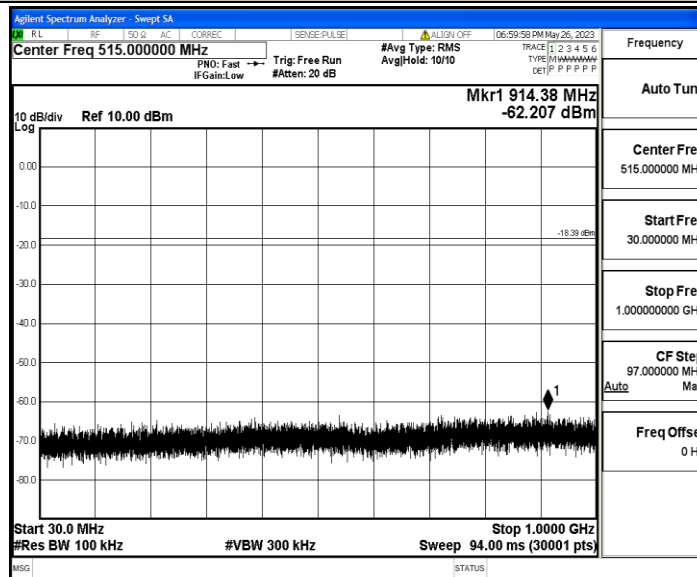
3DH5_Ant1_2402_1000~26500



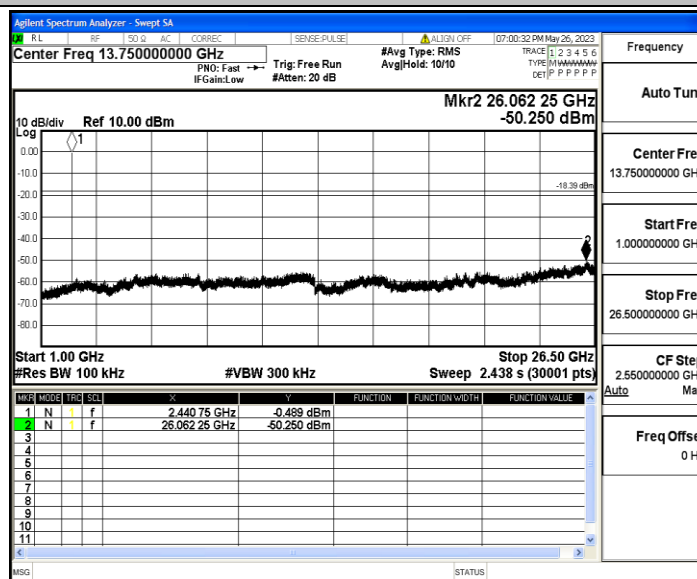
3DH5_Ant1_2441_0~Reference



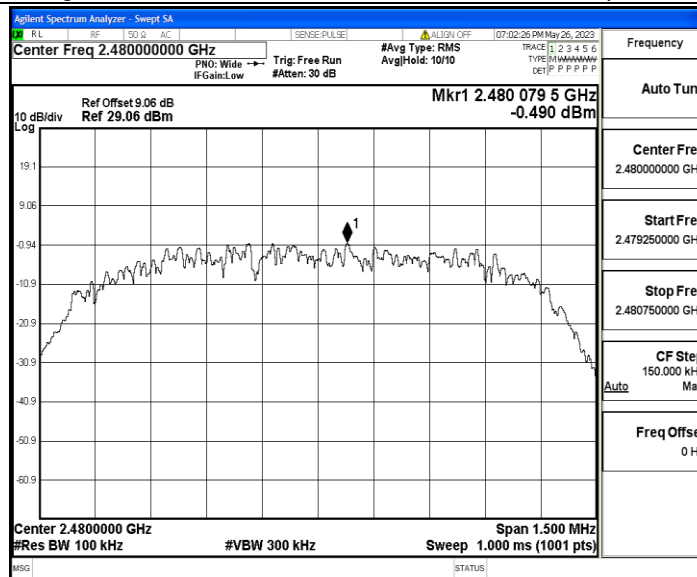
3DH5_Ant1_2441_30~1000



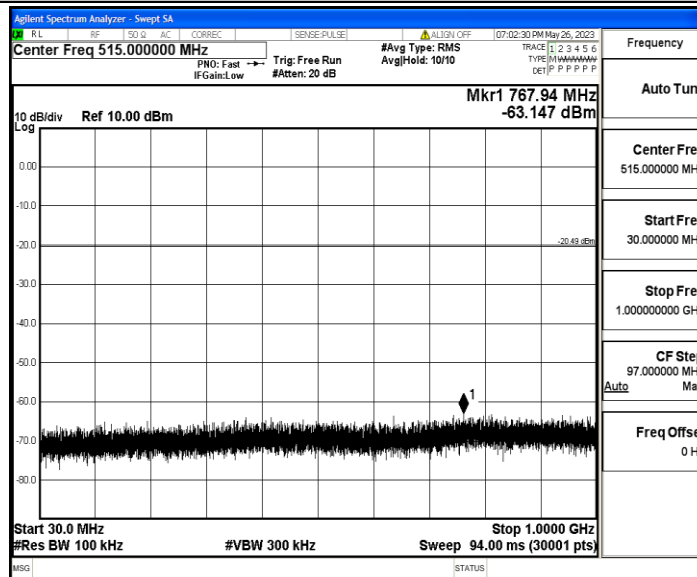
3DH5_Ant1_2441_1000~26500



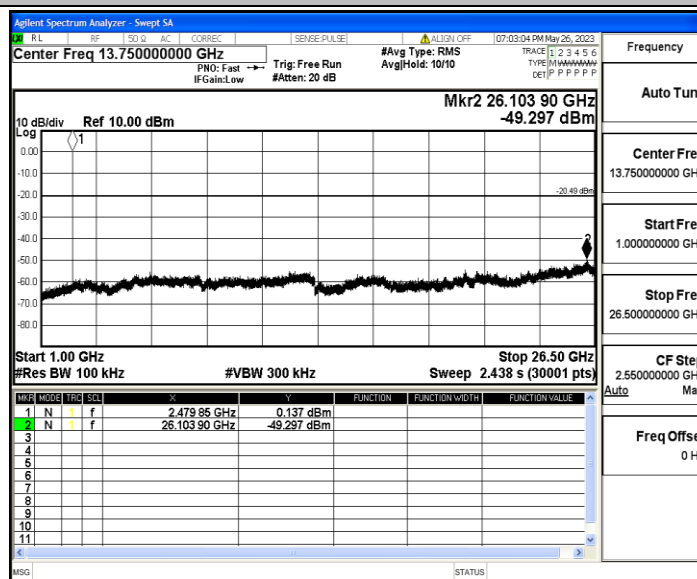
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



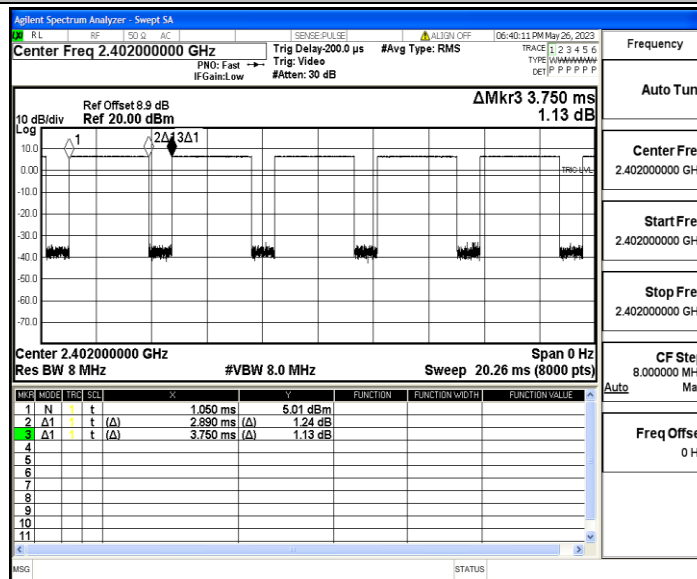
Appendix I: Duty Cycle

Test Result

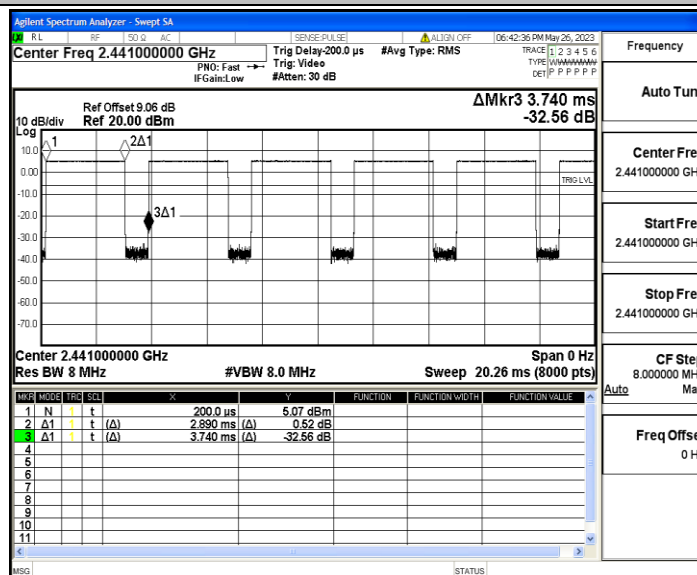
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.89	3.75	77.07	0.35
		2441	2.89	3.74	77.27	0.35
		2480	2.89	3.74	77.27	0.35
2DH5	Ant1	2402	2.89	3.75	77.07	0.35
		2441	2.89	3.75	77.07	0.35
		2480	2.88	3.74	77.01	0.35
3DH5	Ant1	2402	2.88	3.75	76.80	0.35
		2441	2.88	3.75	76.80	0.35
		2480	2.88	3.75	76.80	0.35

Test Graphs

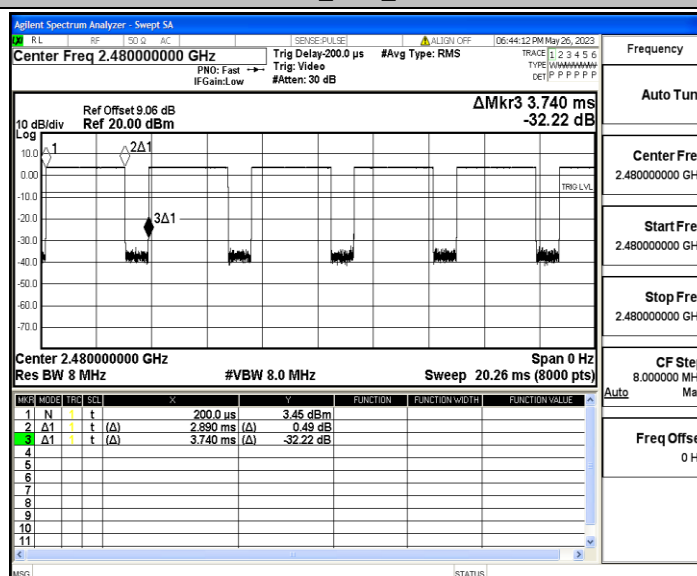
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402