

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

Product Name: VITURE One Neckband

Trade Mark: **VITURE**

Test Model: V1218

FCC ID: 2BBOT-V1218

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

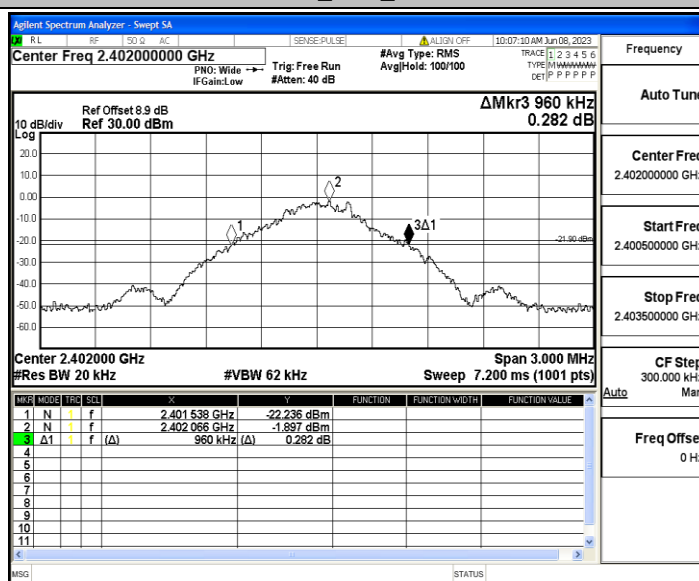
Appendix A: 20dB Emission Bandwidth

Test Result

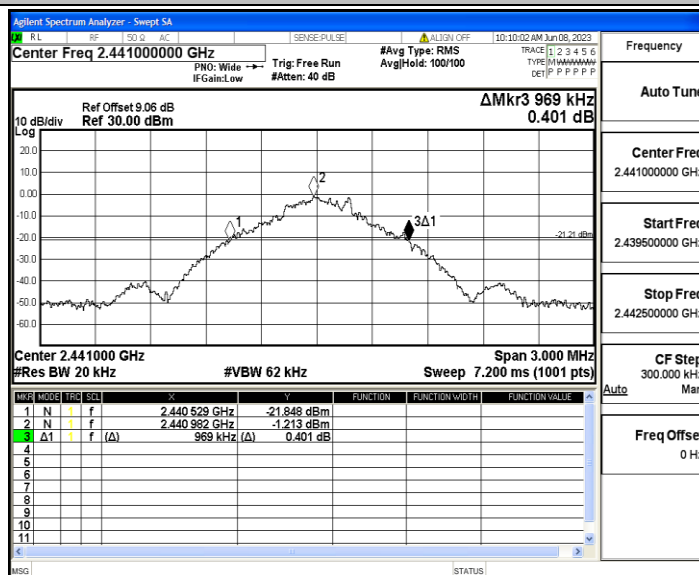
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.538	2402.498	---	---
		2441	0.969	2440.529	2441.498	---	---
		2480	0.963	2479.529	2480.492	---	---
2DH5	Ant1	2402	1.302	2401.355	2402.657	---	---
		2441	1.314	2440.346	2441.660	---	---
		2480	1.293	2479.358	2480.651	---	---
3DH5	Ant1	2402	1.290	2401.352	2402.642	---	---
		2441	1.257	2440.376	2441.633	---	---
		2480	1.284	2479.370	2480.654	---	---

Test Graphs

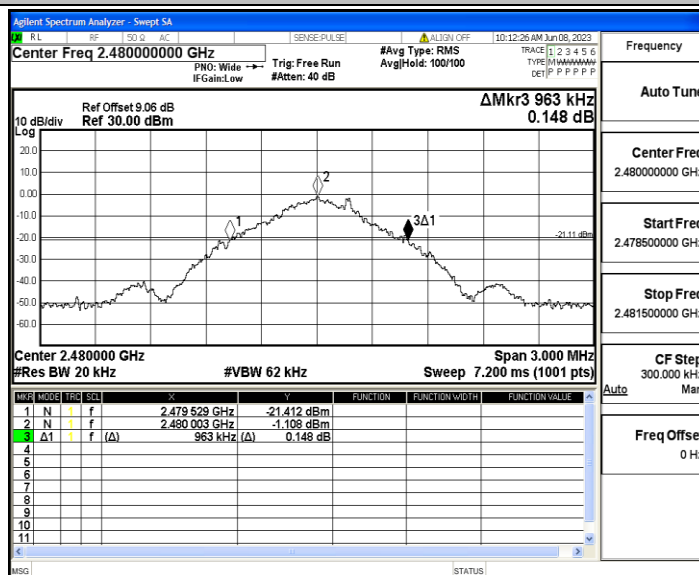
DH5_Ant1_2402



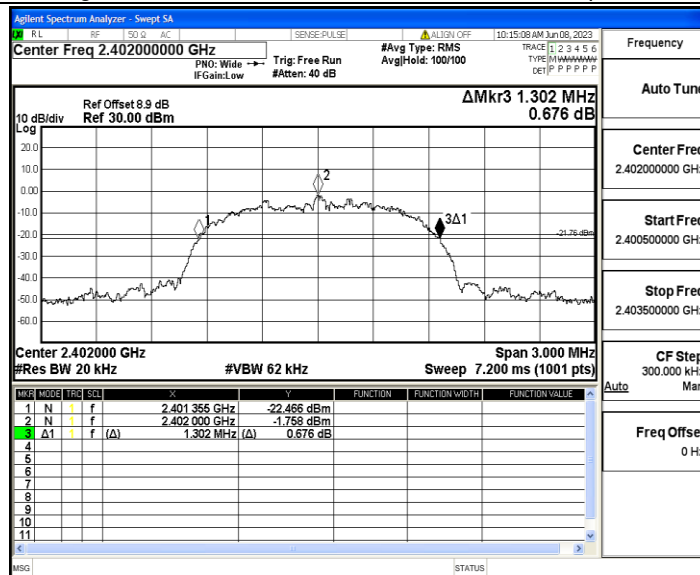
DH5_Ant1_2441



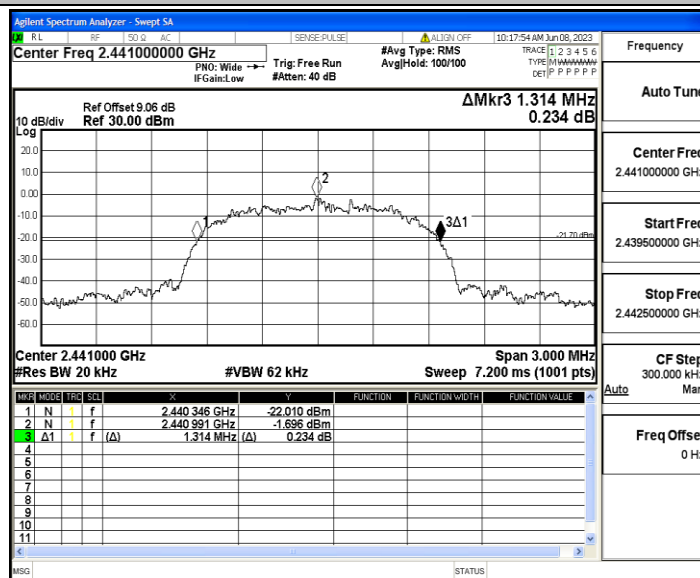
DH5_Ant1_2480



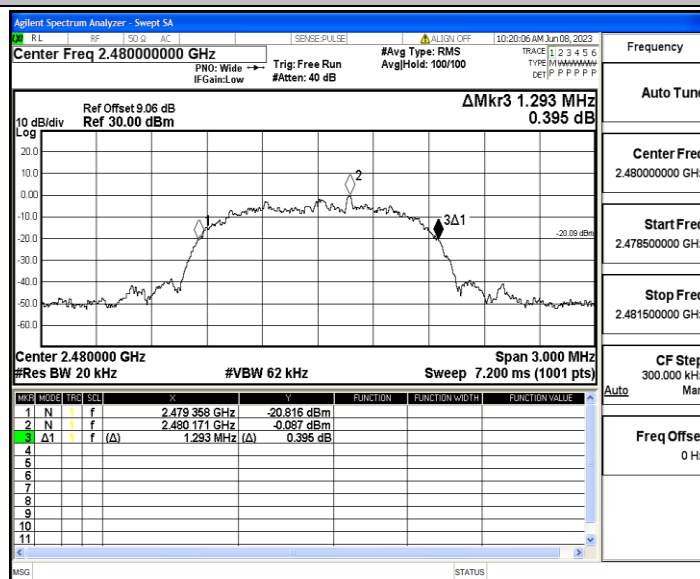
2DH5_Ant1_2402



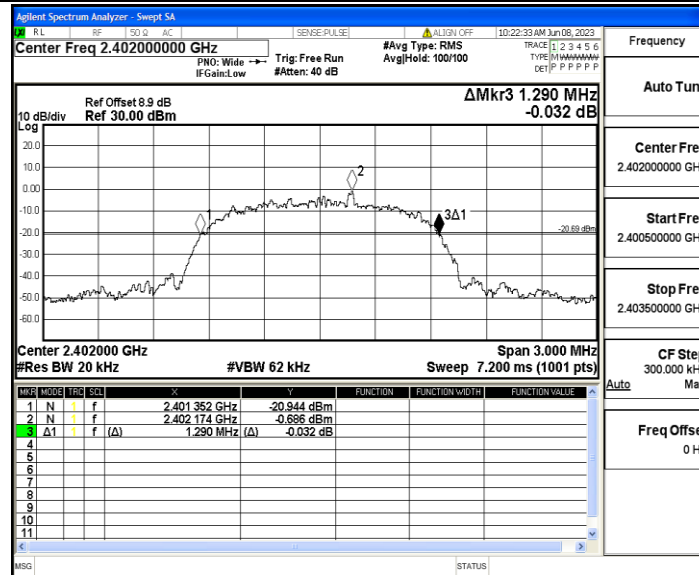
2DH5_Ant1_2441



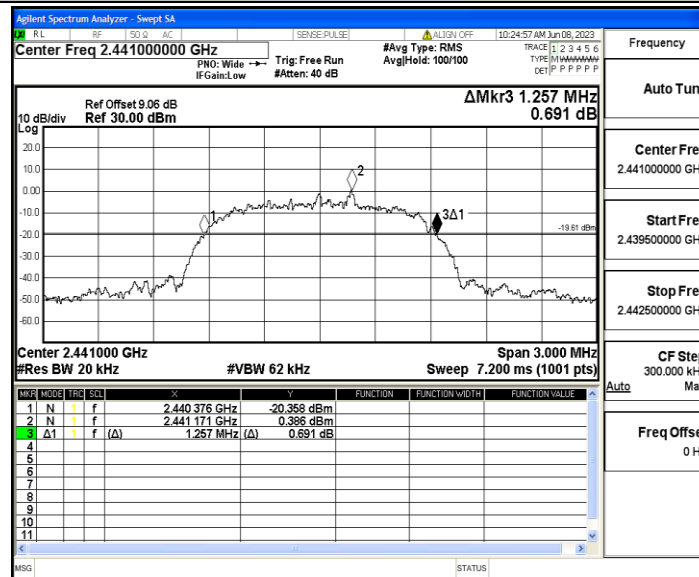
2DH5_Ant1_2480



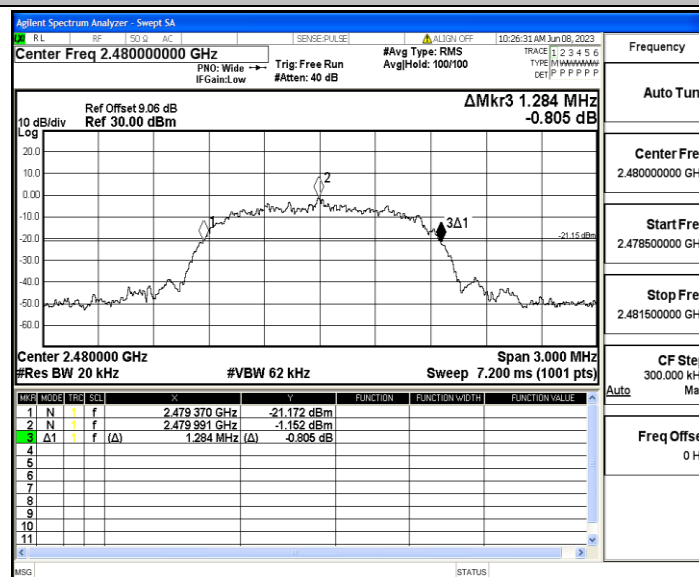
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



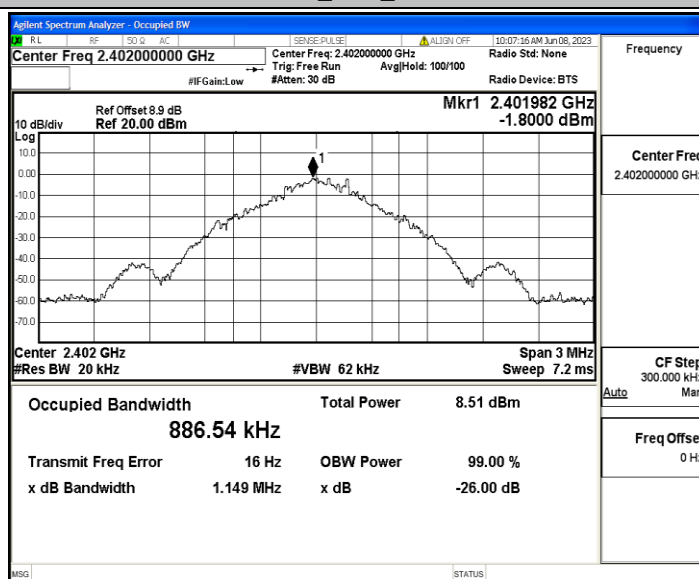
Appendix B: Occupied Channel Bandwidth

Test Result

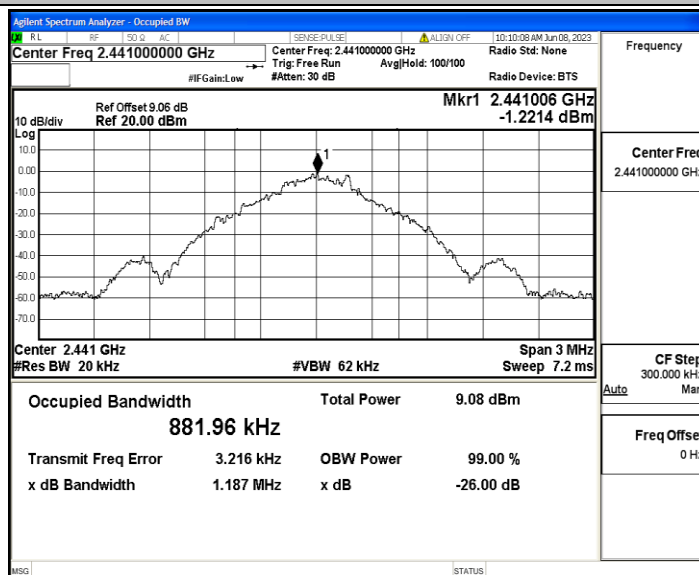
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88654	2401.5568	2402.4433	---	---
		2441	0.88196	2440.5622	2441.4442	---	---
		2480	0.89309	2479.5602	2480.4533	---	---
2DH5	Ant1	2402	1.1803	2401.4107	2402.5910	---	---
		2441	1.1781	2440.4088	2441.5869	---	---
		2480	1.1823	2479.4083	2480.5906	---	---
3DH5	Ant1	2402	1.1851	2401.4107	2402.5958	---	---
		2441	1.1638	2440.4196	2441.5834	---	---
		2480	1.1783	2479.4141	2480.5924	---	---

Test Graphs

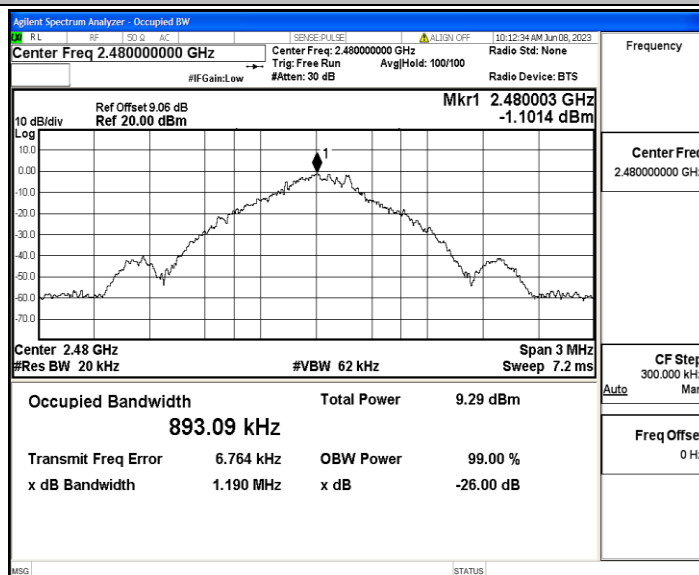
DH5_Ant1_2402



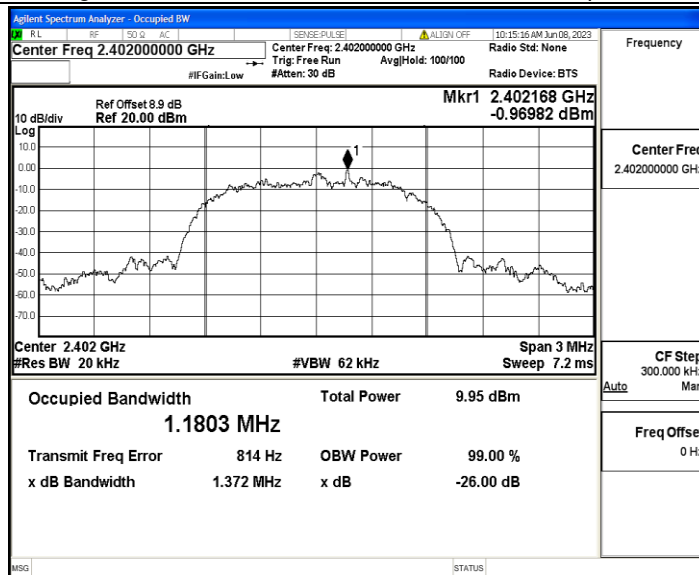
DH5_Ant1_2441



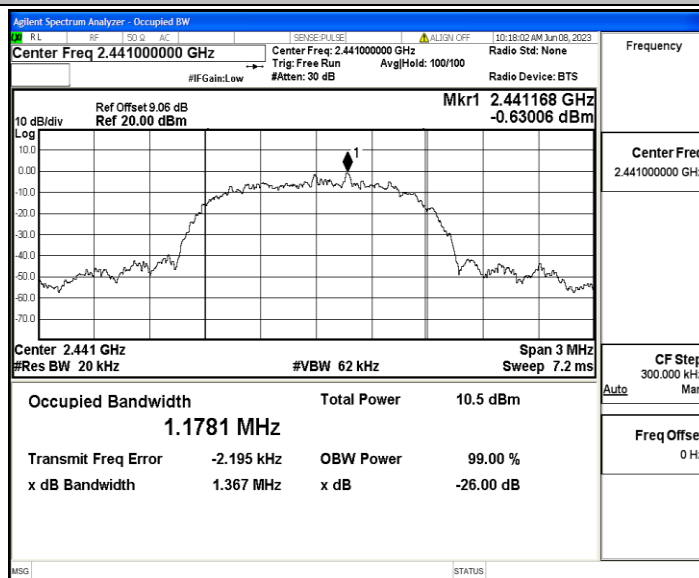
DH5_Ant1_2480



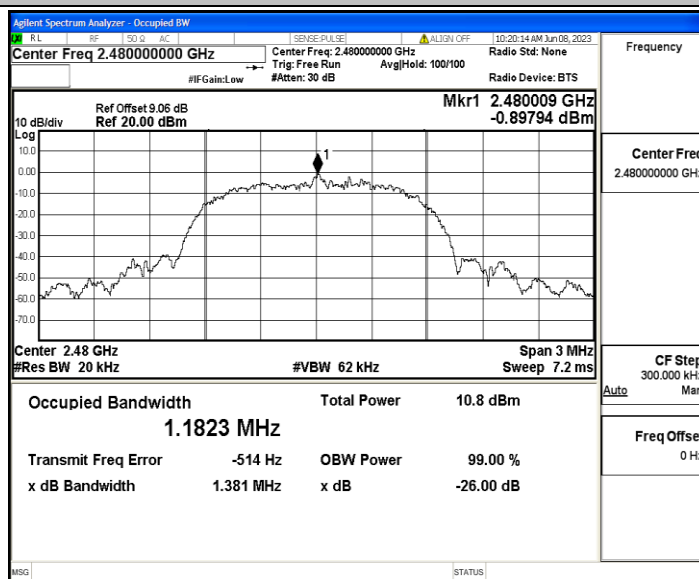
2DH5_Ant1_2402



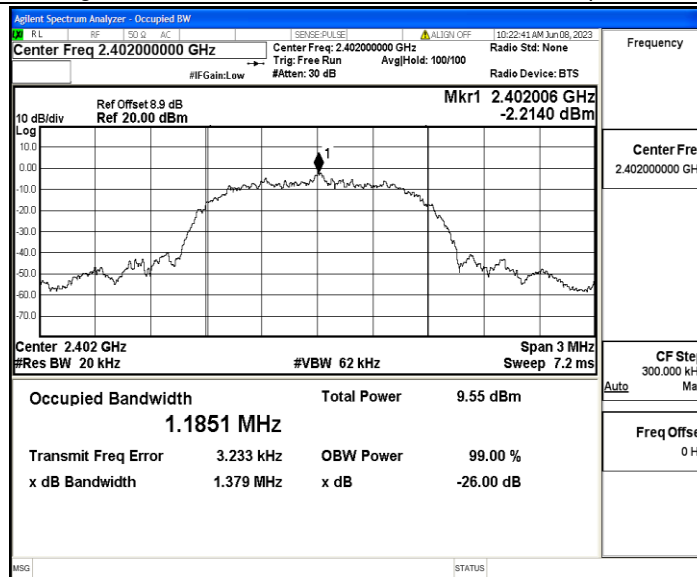
2DH5_Ant1_2441



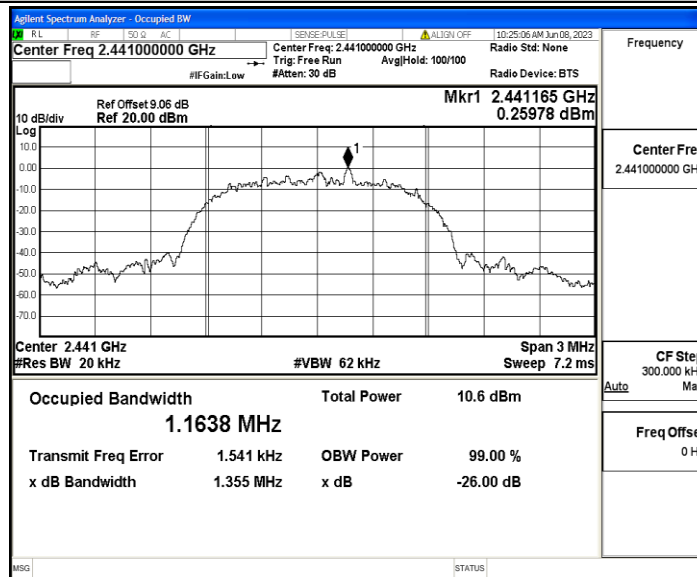
2DH5_Ant1_2480



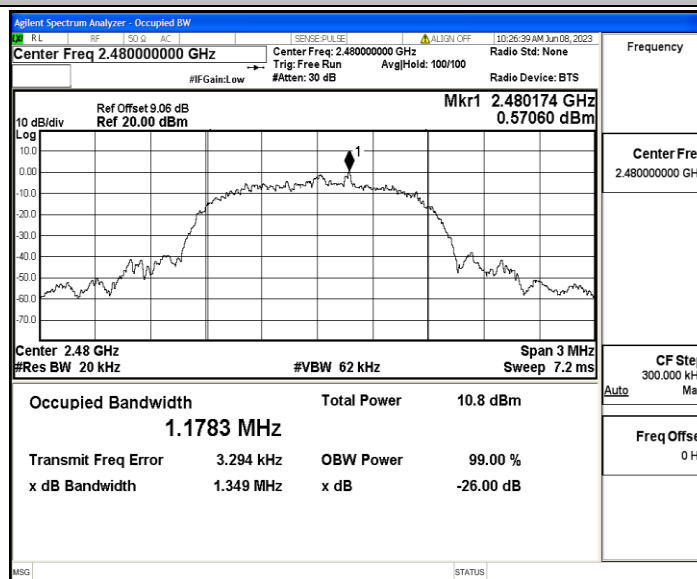
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



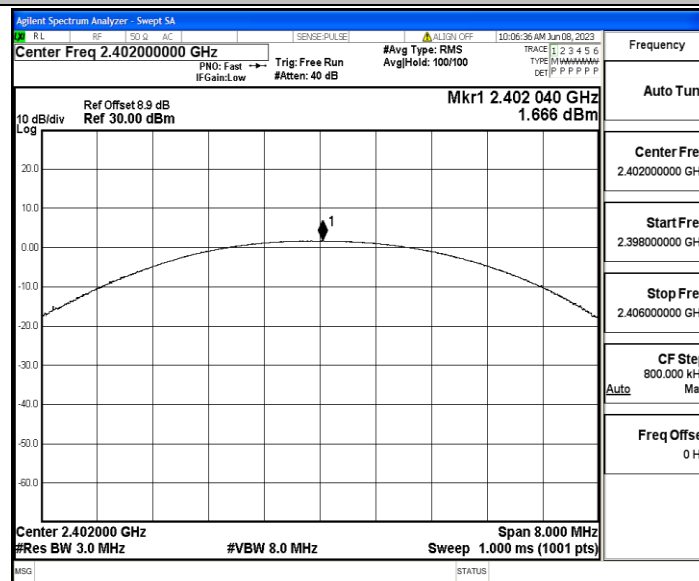
Appendix C: Maximum Peak conducted output power

Test Result

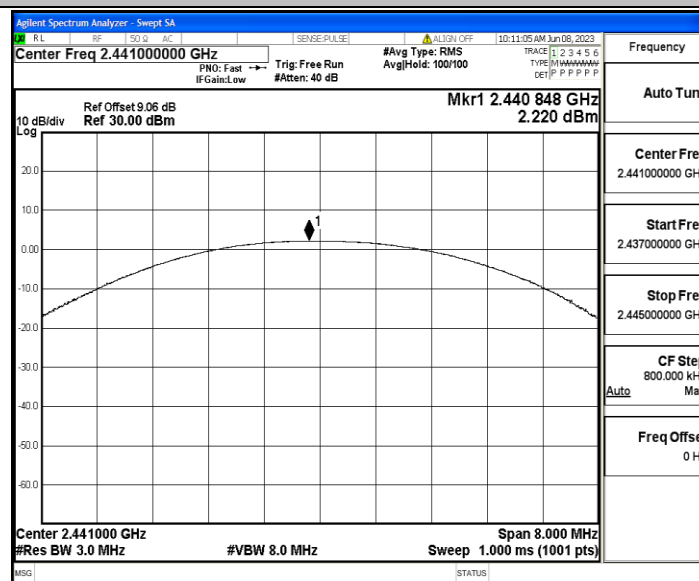
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	1.67	≤30	PASS
		2441	2.22	≤30	PASS
		2480	2.22	≤30	PASS
2DH5	Ant1	2402	2.62	≤20.97	PASS
		2441	2.86	≤20.97	PASS
		2480	2.58	≤20.97	PASS
3DH5	Ant1	2402	2.28	≤20.97	PASS
		2441	2.22	≤20.97	PASS
		2480	2.66	≤20.97	PASS

Test Graphs

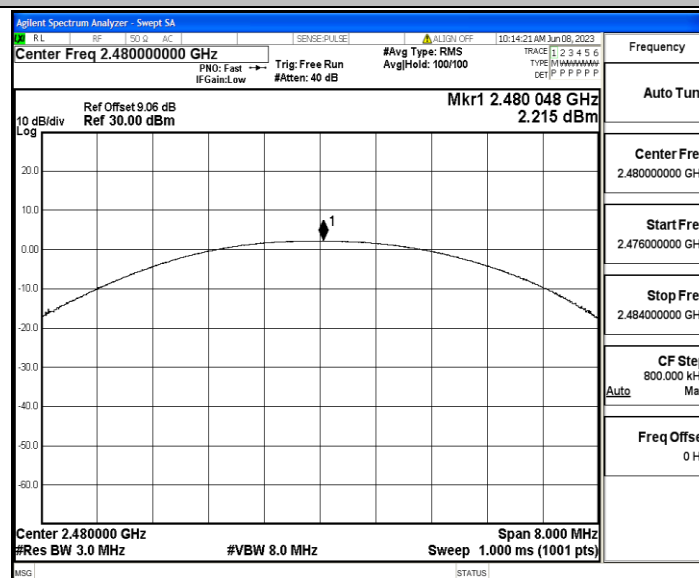
DH5_Ant1_2402



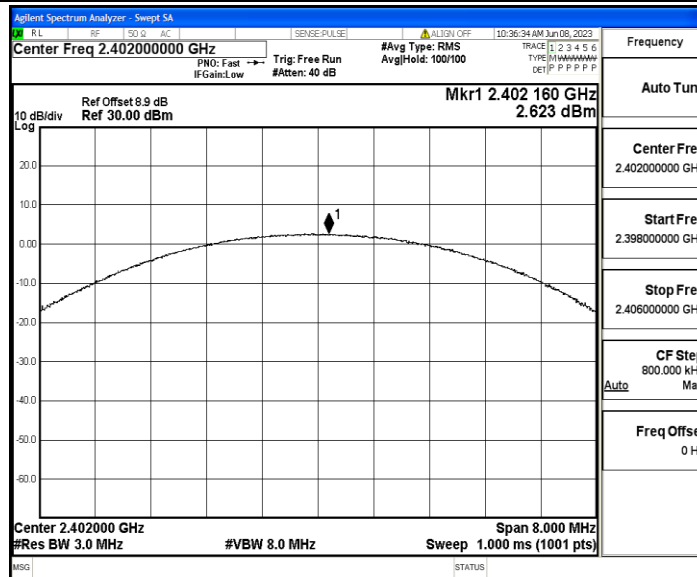
DH5_Ant1_2441



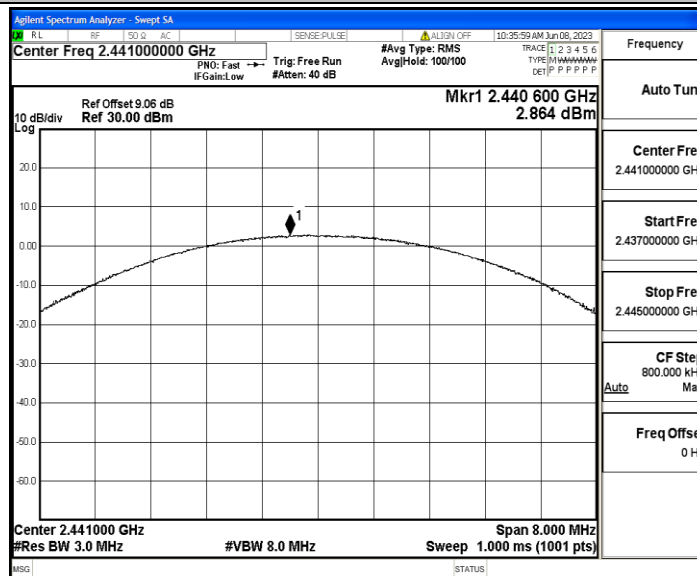
DH5_Ant1_2480



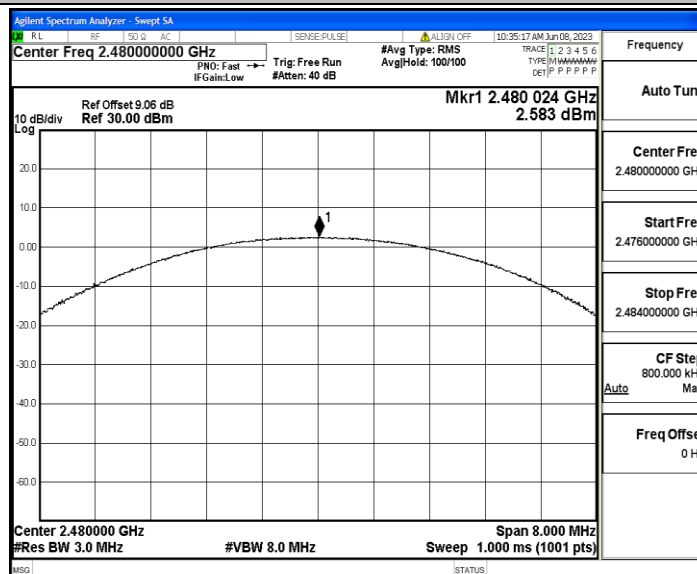
2DH5_Ant1_2402



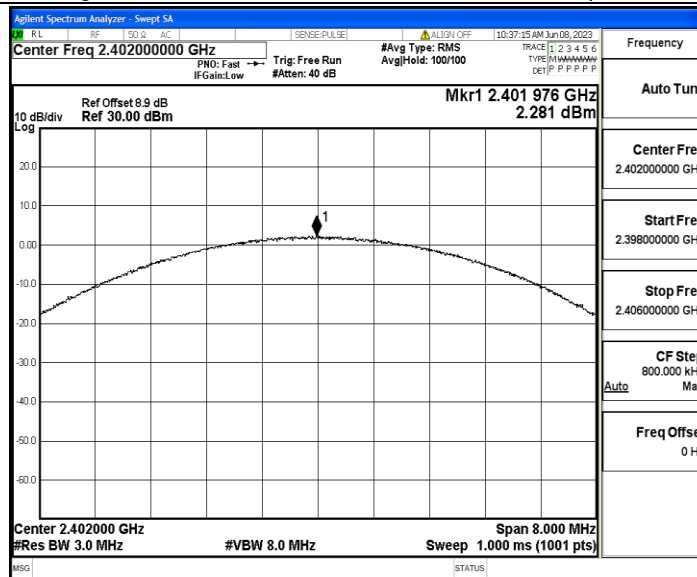
2DH5_Ant1_2441



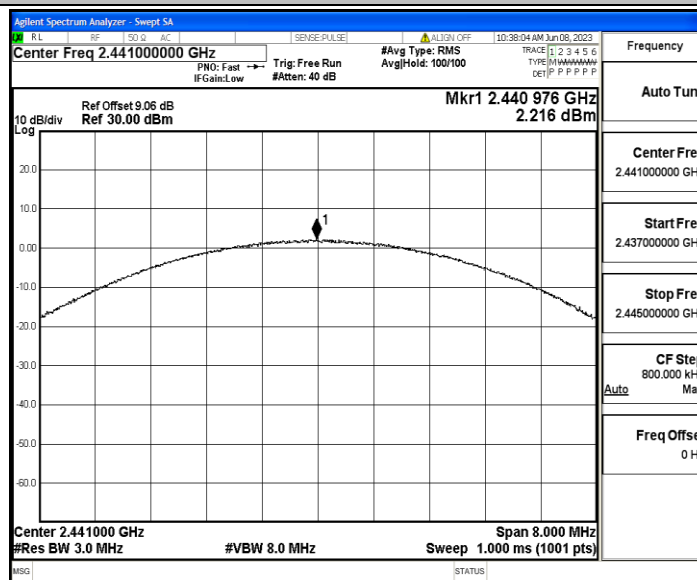
2DH5_Ant1_2480



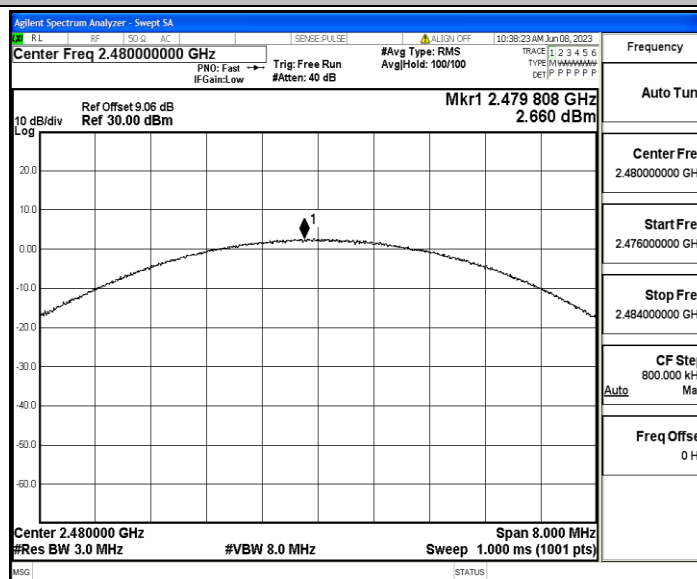
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

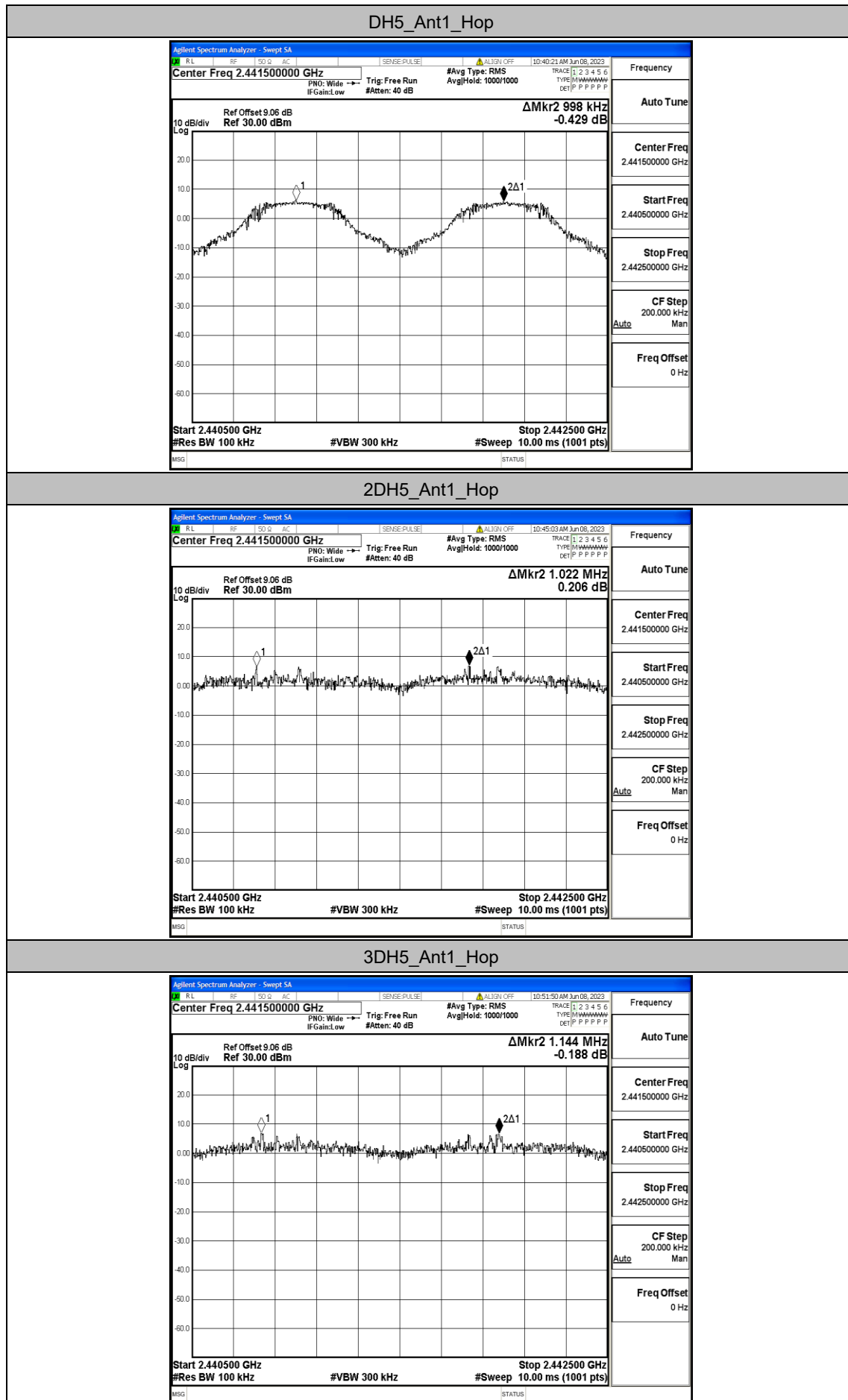


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.969	PASS
2DH5	Ant1	Hop	1.022	≥ 0.876	PASS
3DH5	Ant1	Hop	1.144	≥ 0.860	PASS

Test Graphs

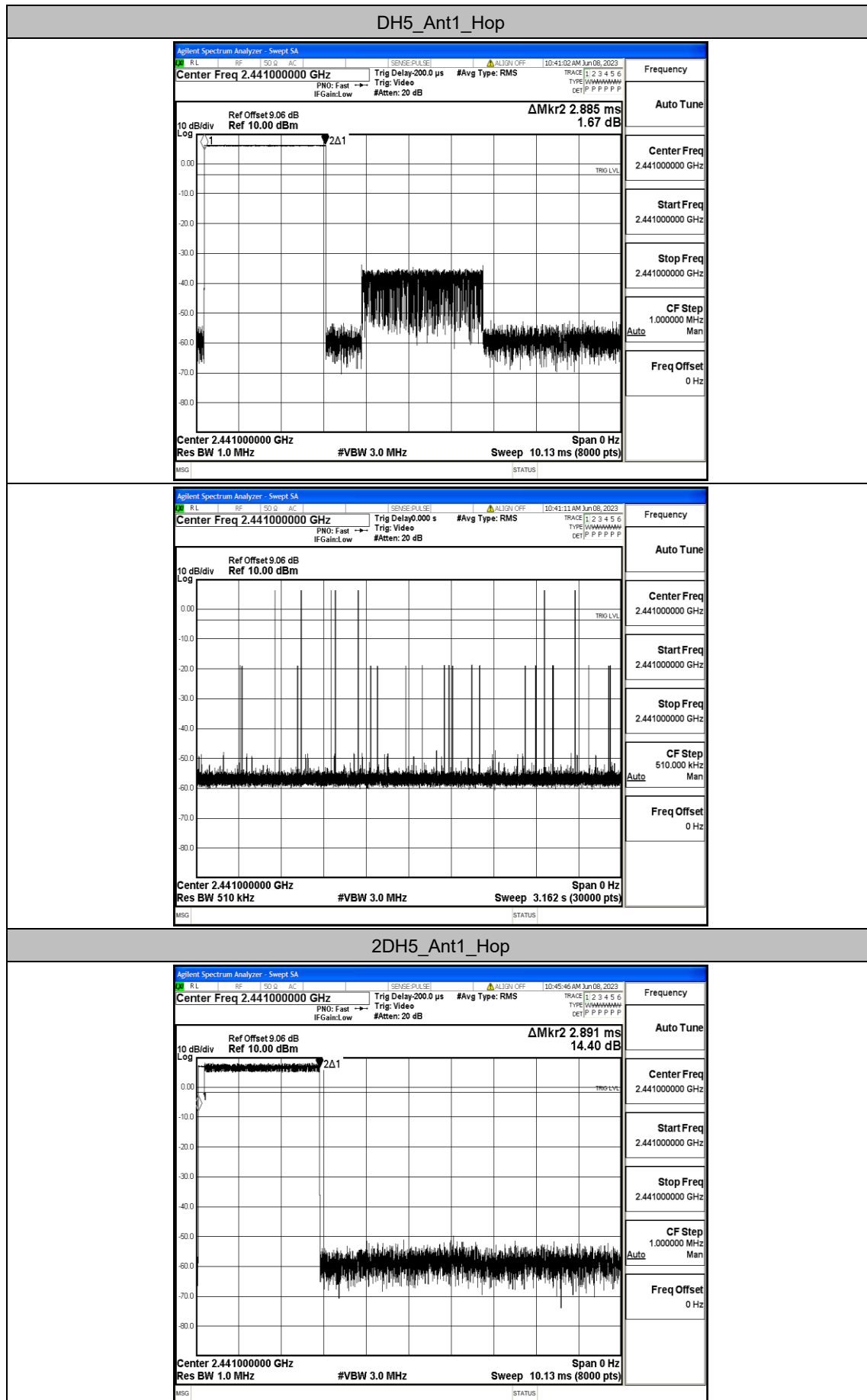


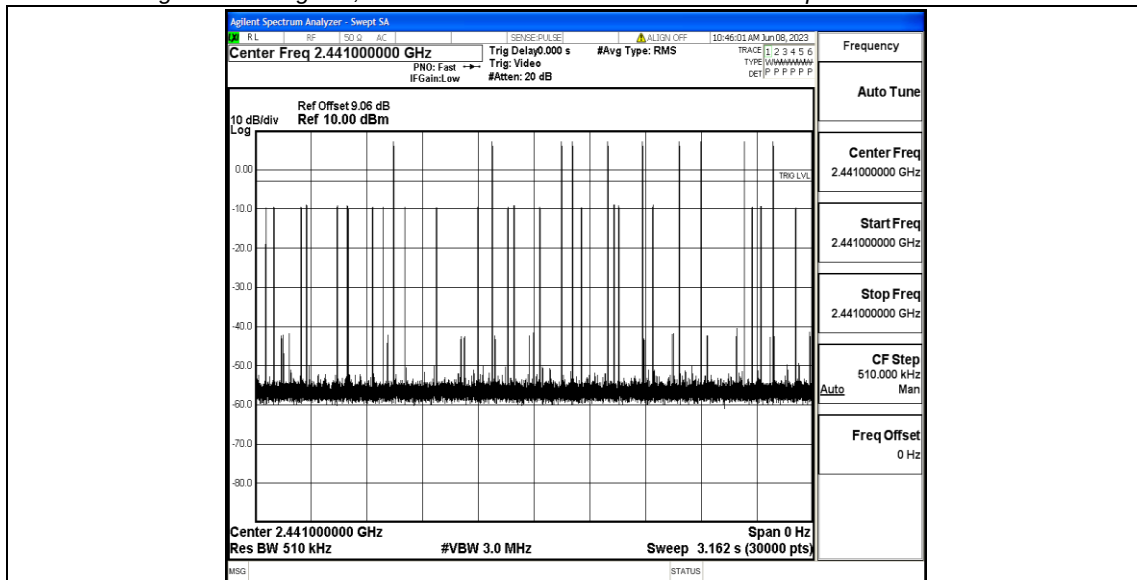
Appendix E: Time of occupancy

Test Result

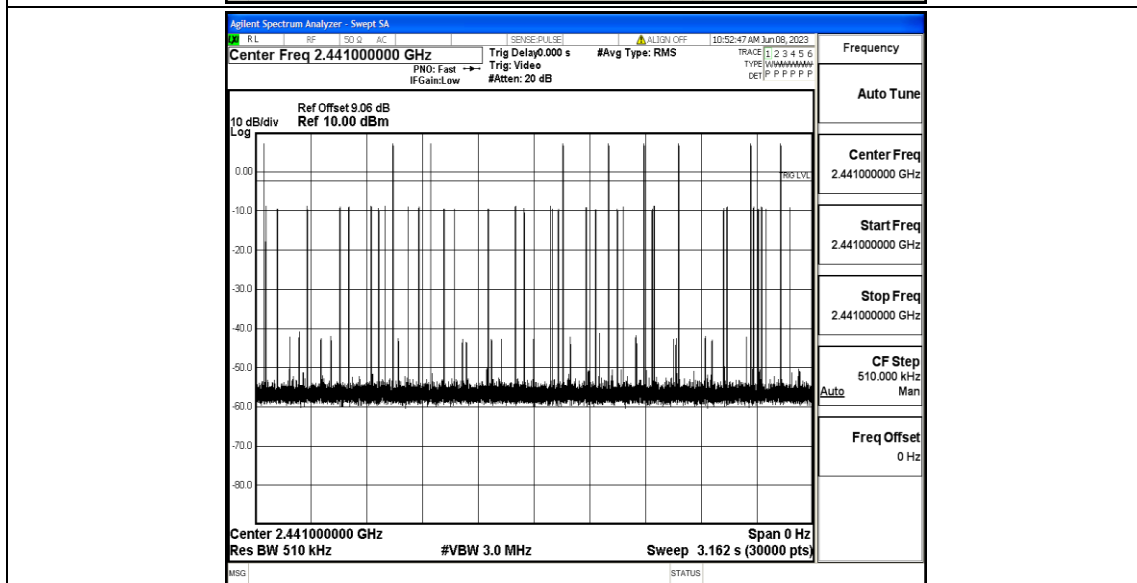
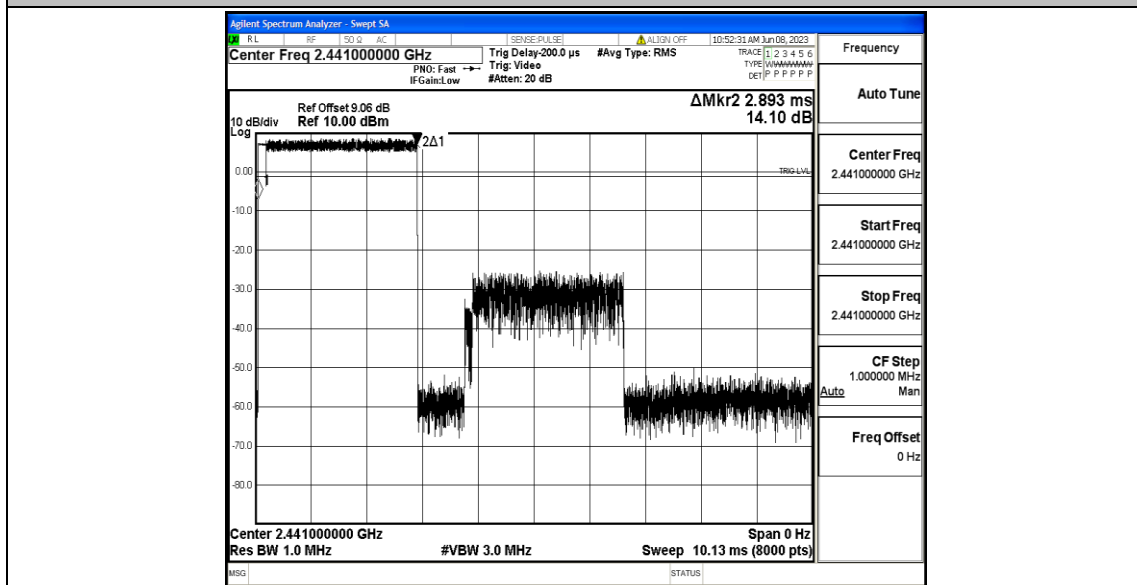
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	80	0.231	≤0.4	PASS
2DH5	Ant1	Hop	2.891	110	0.318	≤0.4	PASS
3DH5	Ant1	Hop	2.893	100	0.289	≤0.4	PASS

Test Graphs





3DH5_Ant1_Hop



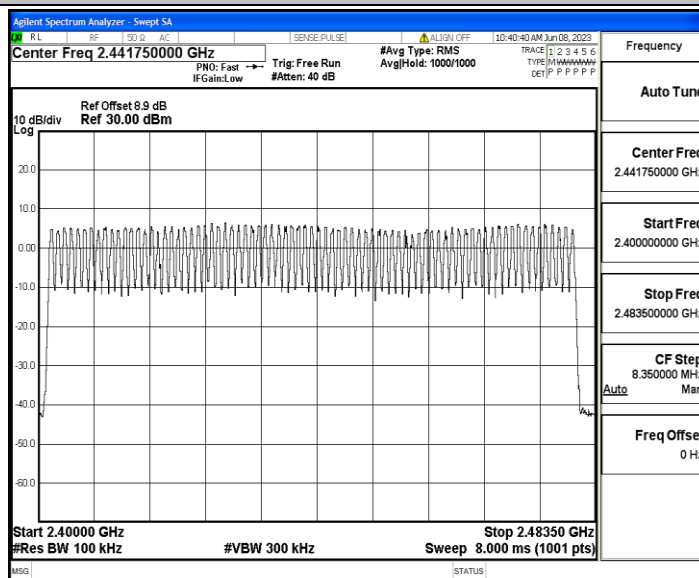
Appendix F: Number of hopping channels

Test Result

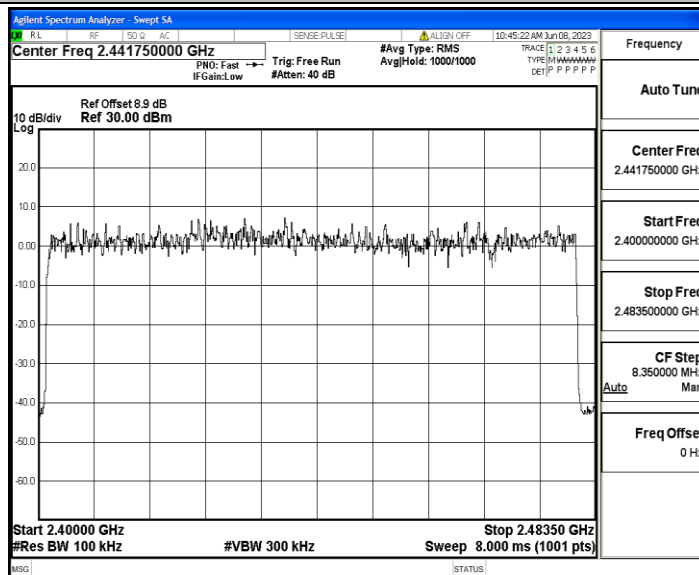
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

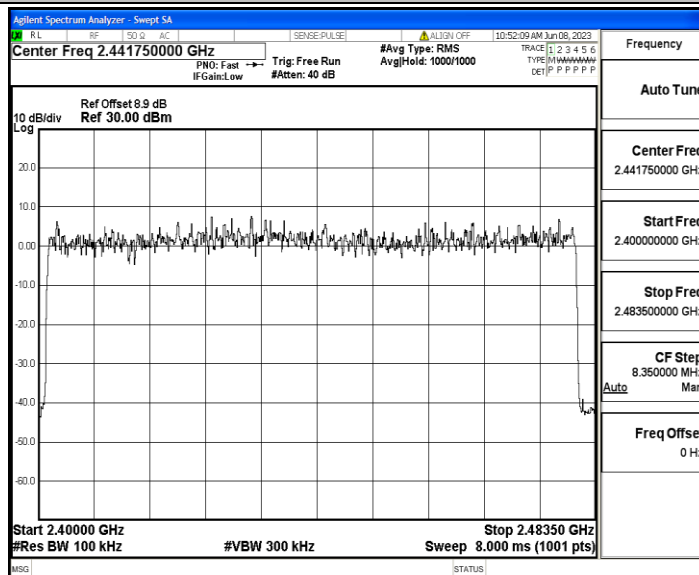
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



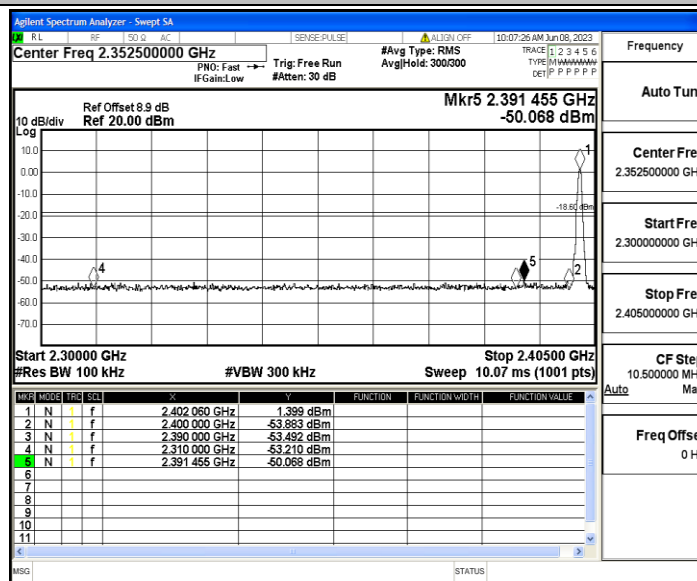
Appendix G: Band edge measurements

Test Result

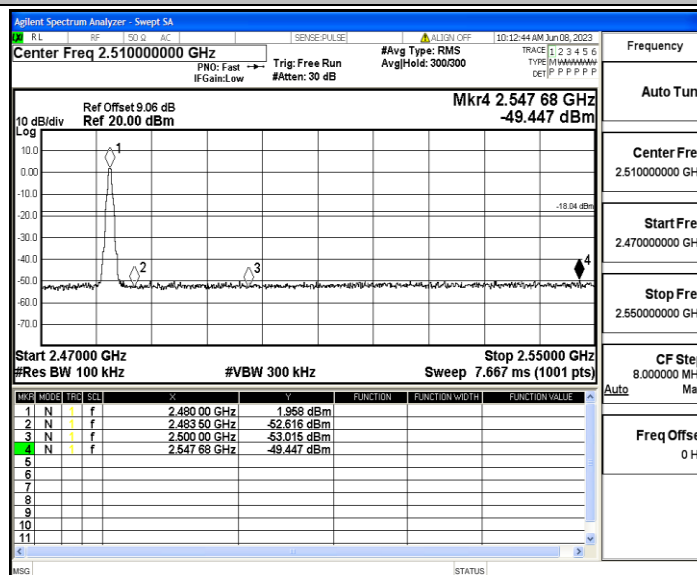
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	1.40	-50.07	≤ -18.6	PASS
		High	2480	1.96	-49.45	≤ -18.04	PASS
		Low	Hop_2402	4.89	-50.7	≤ -15.11	PASS
		High	Hop_2480	5.92	-49.51	≤ -14.09	PASS
2DH5	Ant1	Low	2402	2.80	-49.82	≤ -17.2	PASS
		High	2480	3.64	-49.35	≤ -16.36	PASS
		Low	Hop_2402	3.06	-50.37	≤ -16.94	PASS
		High	Hop_2480	6.05	-48.74	≤ -13.96	PASS
3DH5	Ant1	Low	2402	2.65	-50.33	≤ -17.35	PASS
		High	2480	4.08	-49.33	≤ -15.92	PASS
		Low	Hop_2402	2.07	-50.03	≤ -17.93	PASS
		High	Hop_2480	6.65	-49.49	≤ -13.35	PASS

Test Graphs

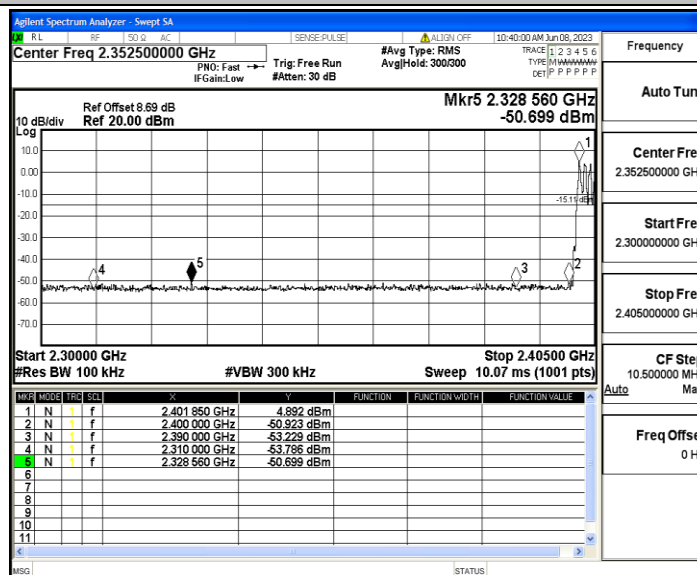
DH5_Ant1_Low_2402



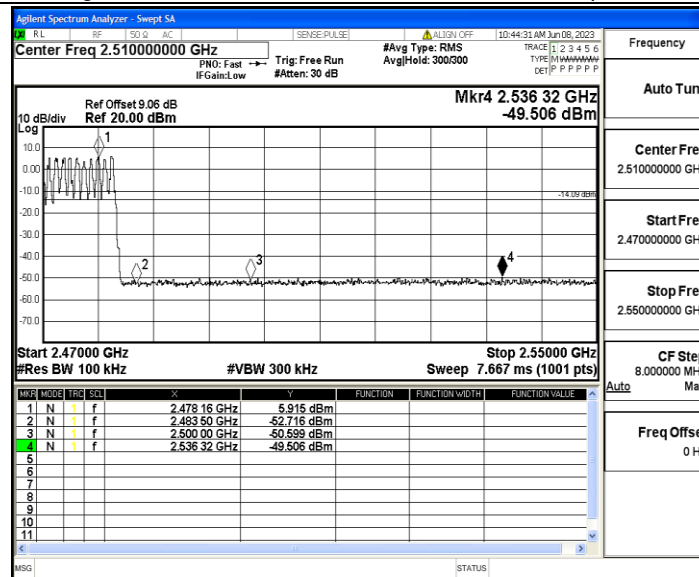
DH5_Ant1_High_2480



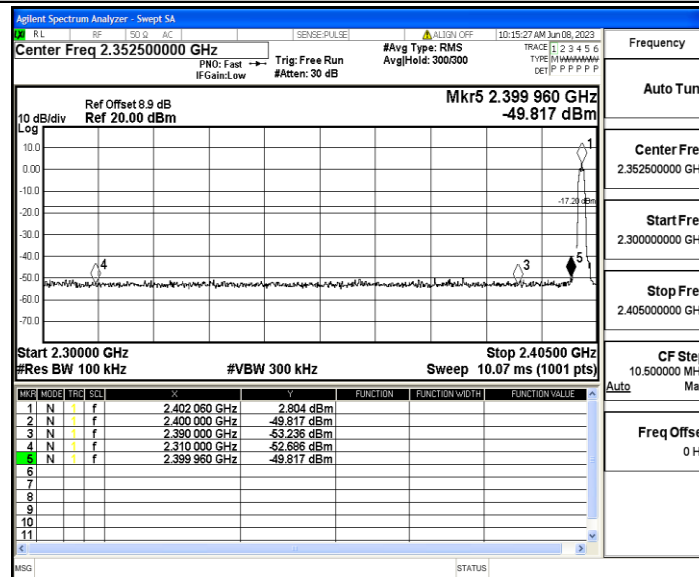
DH5_Ant1_Low_Hop_2402



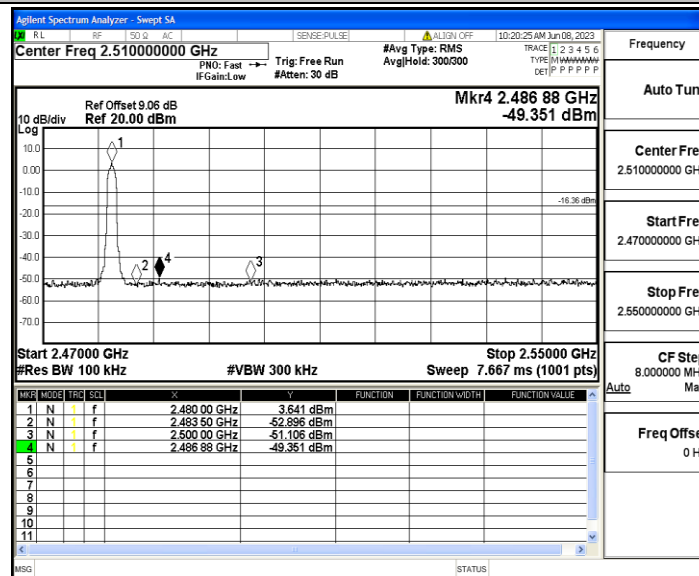
DH5_Ant1_High_Hop_2480



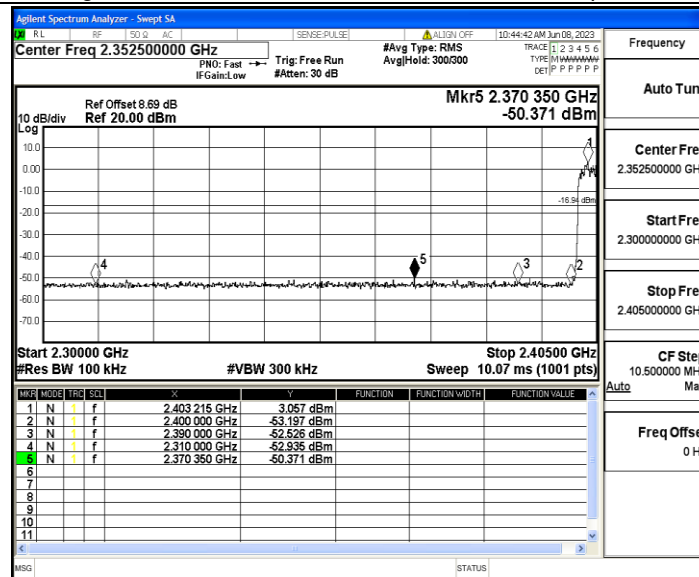
2DH5_Ant1_Low_2402



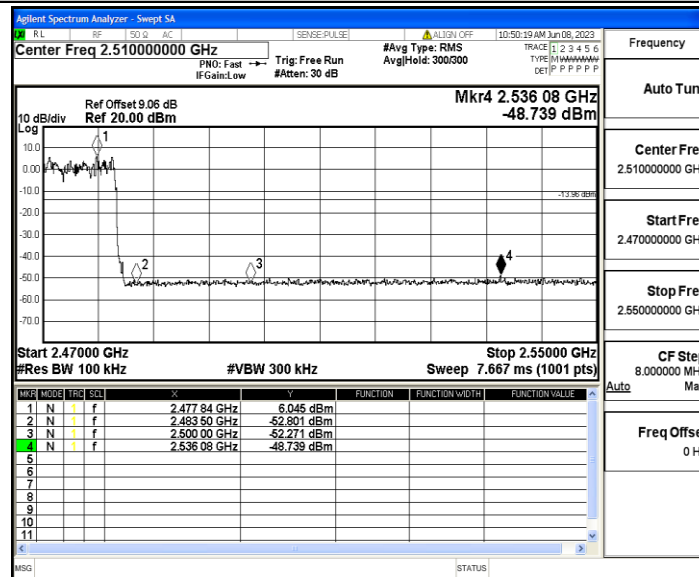
2DH5_Ant1_High_2480



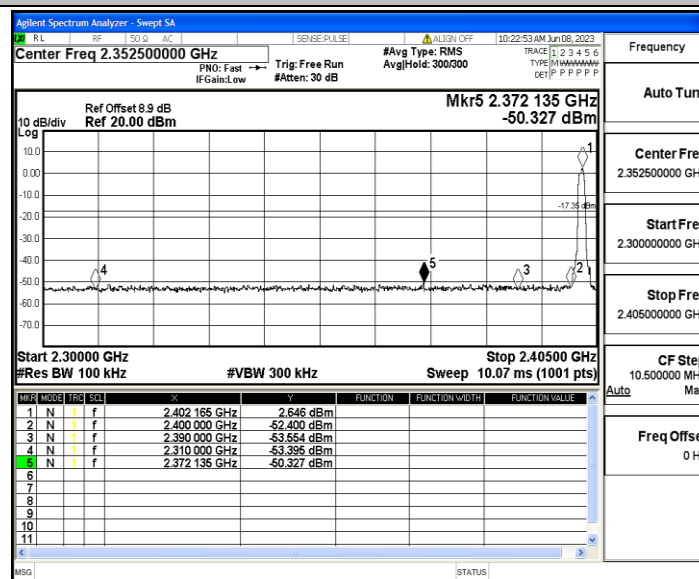
2DH5_Ant1_Low_Hop_2402



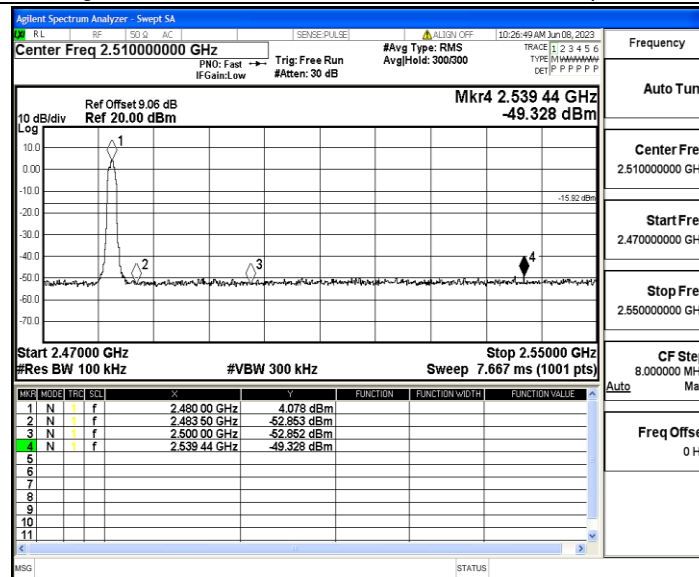
2DH5_Ant1_High_Hop_2480



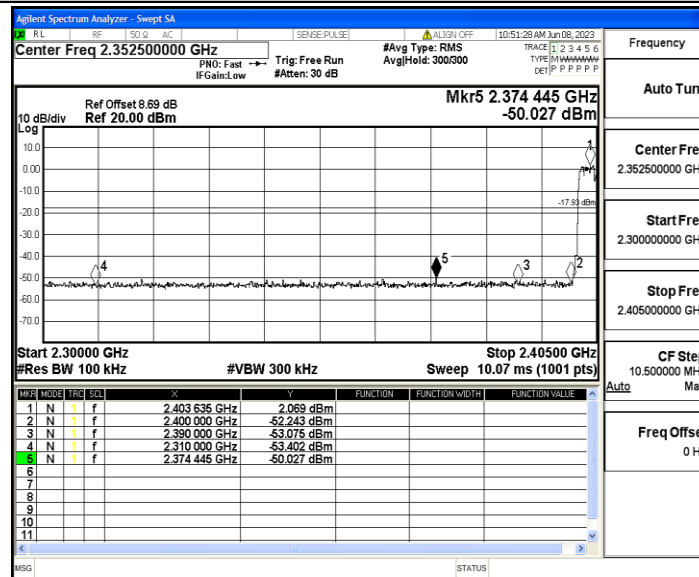
3DH5_Ant1_Low_2402



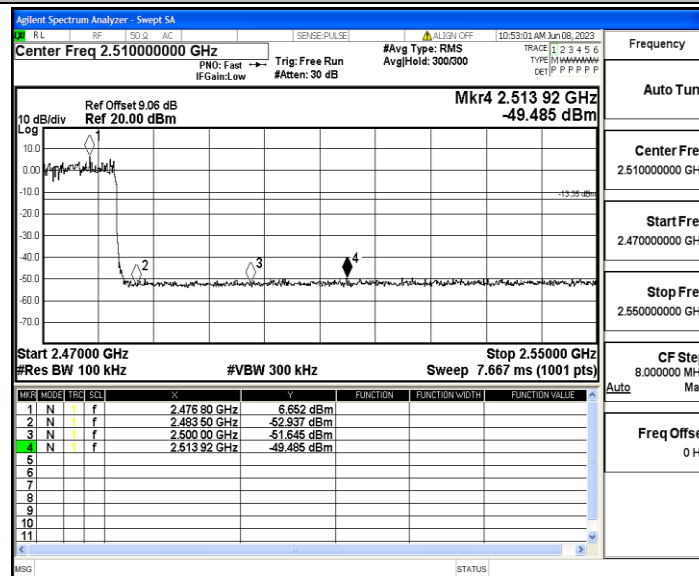
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



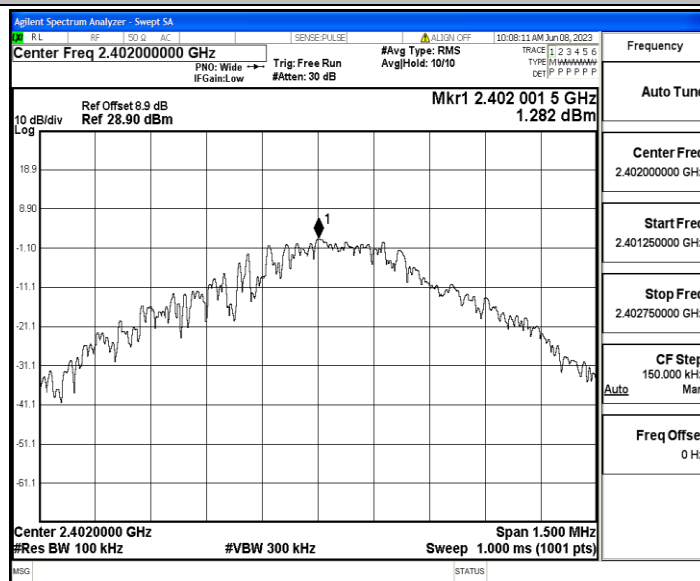
Appendix H: Conducted Spurious Emission

Test Result

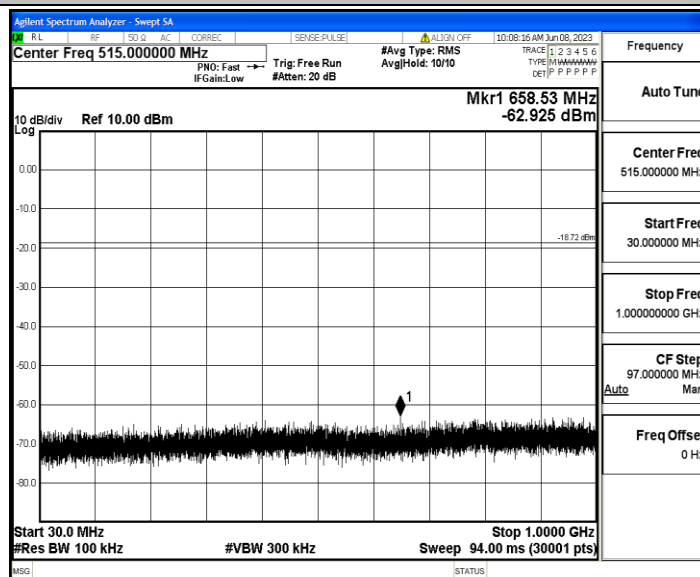
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.28	1.28	---	PASS
			30~1000	1.28	-62.93	≤-18.72	PASS
			1000~26500	1.28	-50.16	≤-18.72	PASS
		2441	Reference	1.06	1.06	---	PASS
			30~1000	1.06	-61.32	≤-18.94	PASS
			1000~26500	1.06	-49.5	≤-18.94	PASS
		2480	Reference	1.58	1.58	---	PASS
			30~1000	1.58	-63.12	≤-18.42	PASS
			1000~26500	1.58	-50.33	≤-18.42	PASS
2DH5	Ant1	2402	Reference	-0.35	-0.35	---	PASS
			30~1000	-0.35	-63.12	≤-20.35	PASS
			1000~26500	-0.35	-50.36	≤-20.35	PASS
		2441	Reference	0.11	0.11	---	PASS
			30~1000	0.11	-62.46	≤-19.89	PASS
			1000~26500	0.11	-50.33	≤-19.89	PASS
		2480	Reference	0.42	0.42	---	PASS
			30~1000	0.42	-62.17	≤-19.58	PASS
			1000~26500	0.42	-50.49	≤-19.58	PASS
3DH5	Ant1	2402	Reference	0.01	0.01	---	PASS
			30~1000	0.01	-62.86	≤-19.99	PASS
			1000~26500	0.01	-50.33	≤-19.99	PASS
		2441	Reference	2.88	2.88	---	PASS
			30~1000	2.88	-62.3	≤-17.12	PASS
			1000~26500	2.88	-49.73	≤-17.12	PASS
		2480	Reference	1.41	1.41	---	PASS
			30~1000	1.41	-63.05	≤-18.59	PASS
			1000~26500	1.41	-50.38	≤-18.59	PASS

Test Graphs

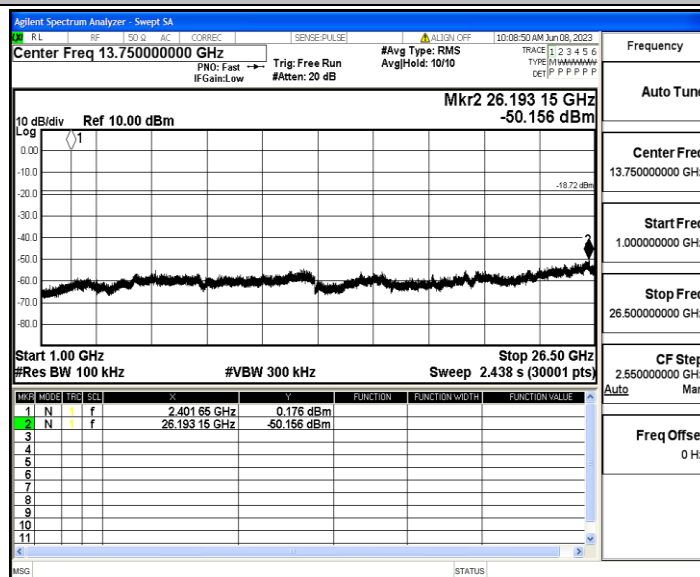
DH5_Ant1_2402_0~Reference



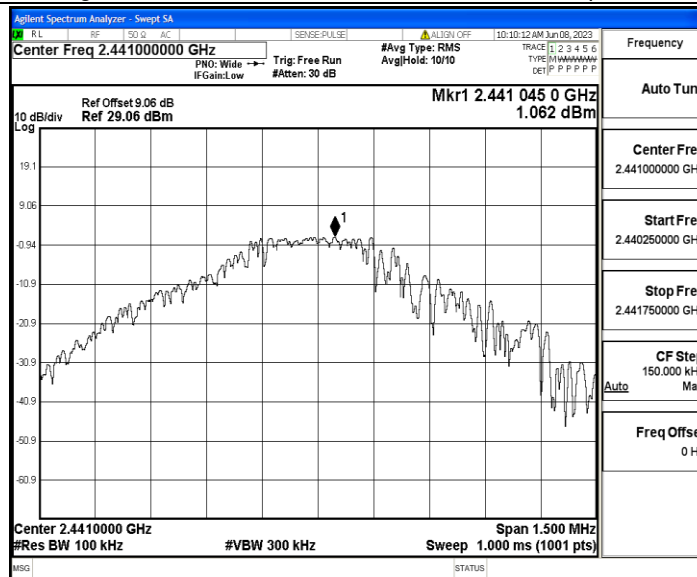
DH5_Ant1_2402_30~1000



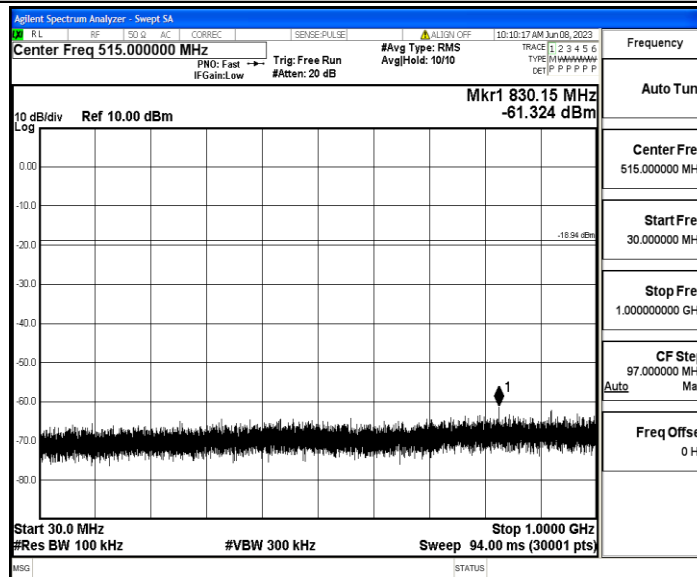
DH5_Ant1_2402_1000~26500



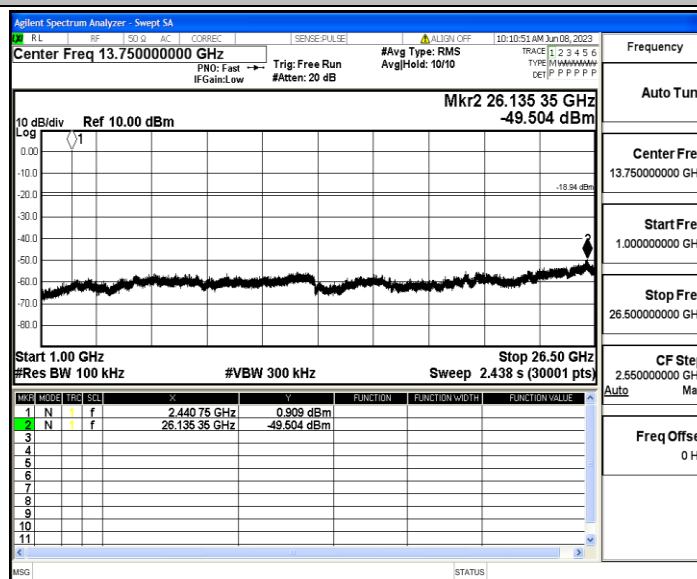
DH5_Ant1_2441_0~Reference



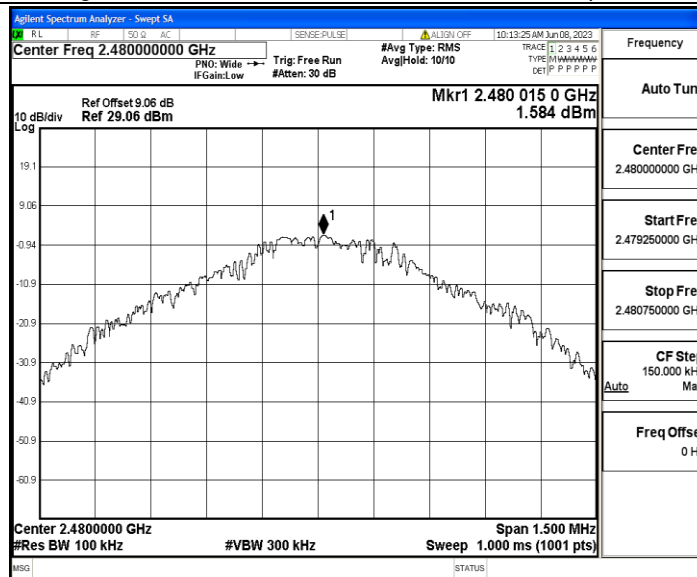
DH5_Ant1_2441_30~1000



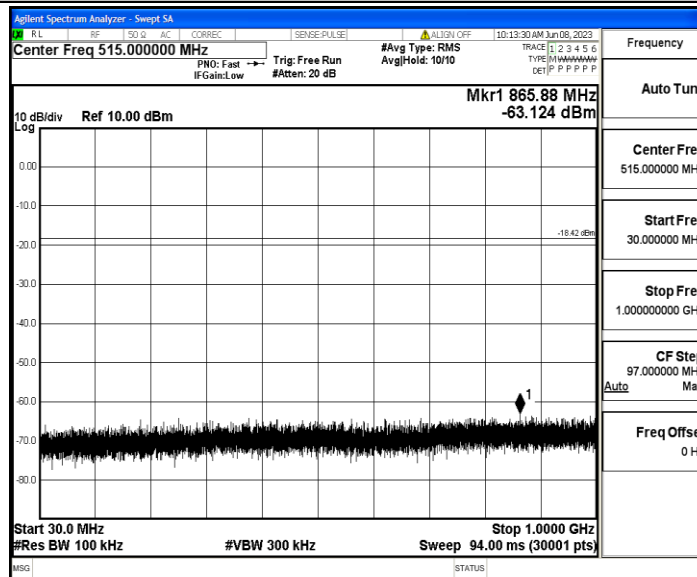
DH5_Ant1_2441_1000~26500



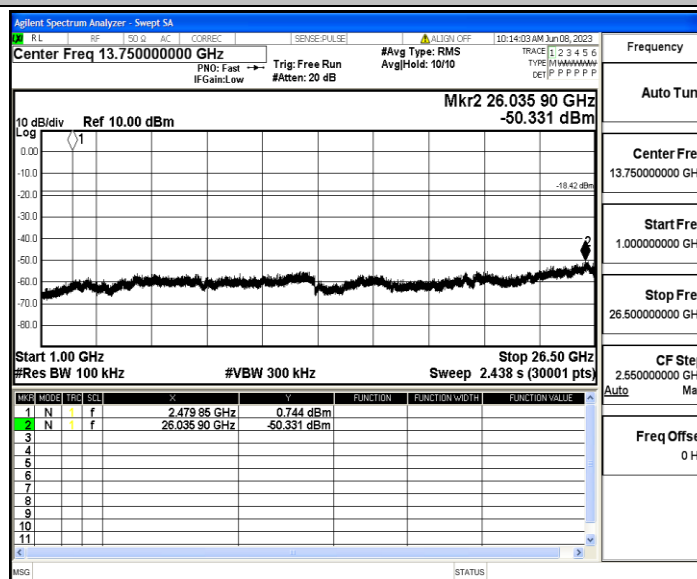
DH5_Ant1_2480_0~Reference



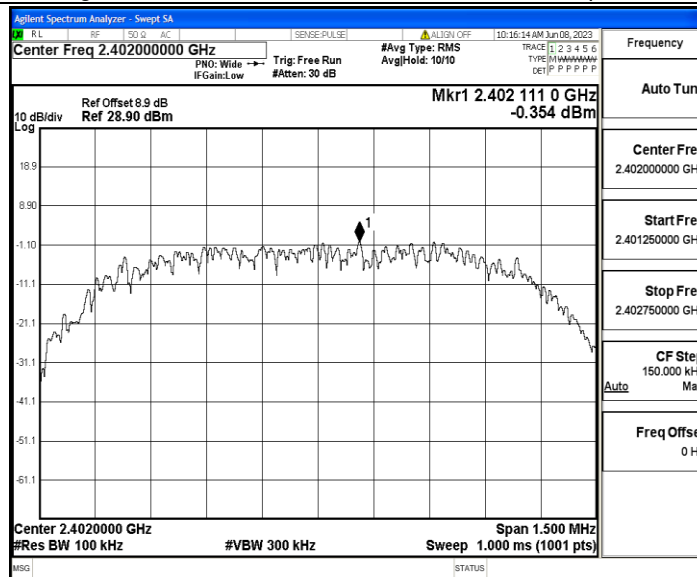
DH5_Ant1_2480_30~1000



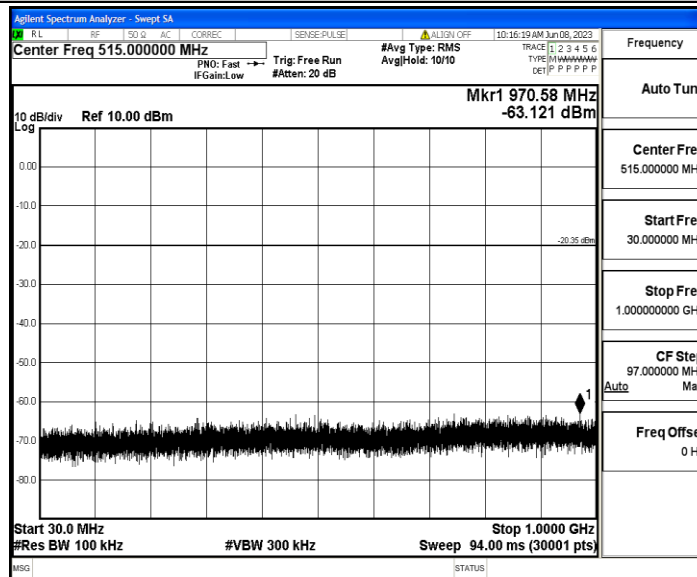
DH5_Ant1_2480_1000~26500



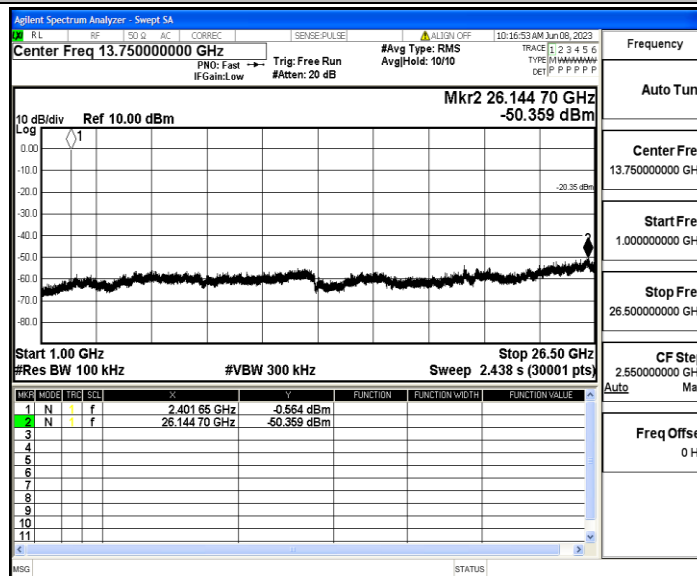
2DH5_Ant1_2402_0~Reference



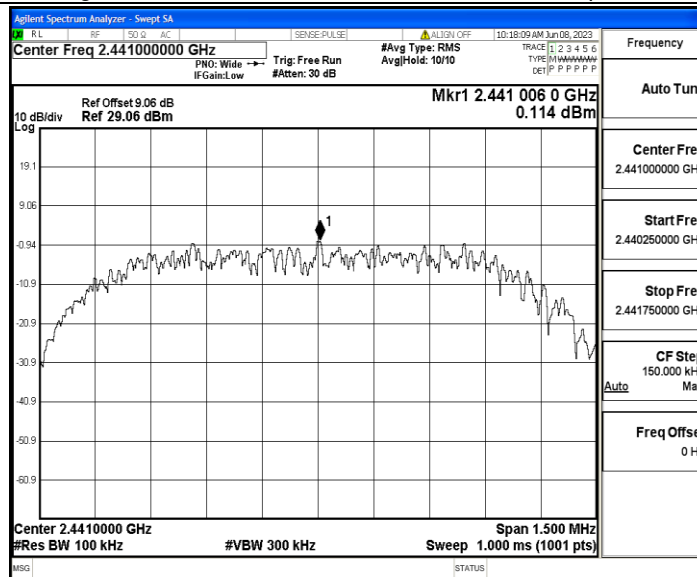
2DH5_Ant1_2402_30~1000



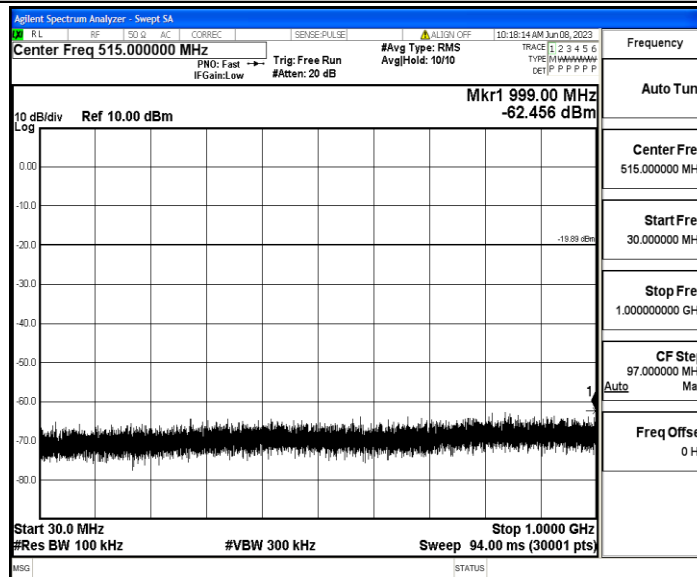
2DH5_Ant1_2402_1000~26500



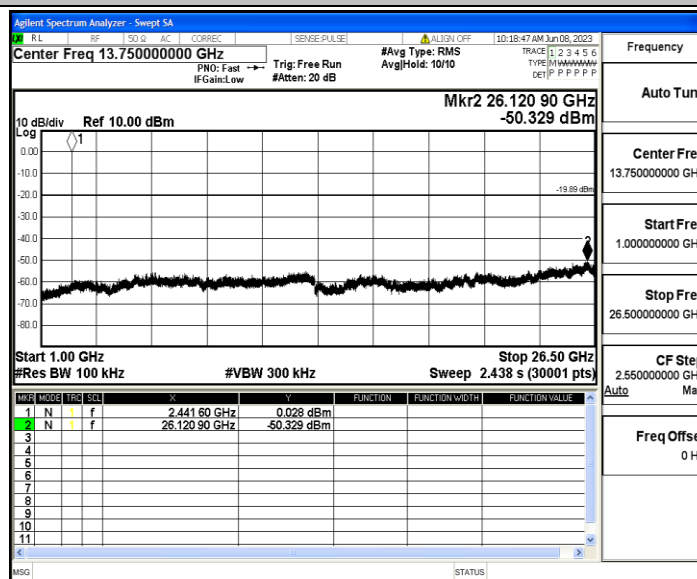
2DH5_Ant1_2441_0~Reference



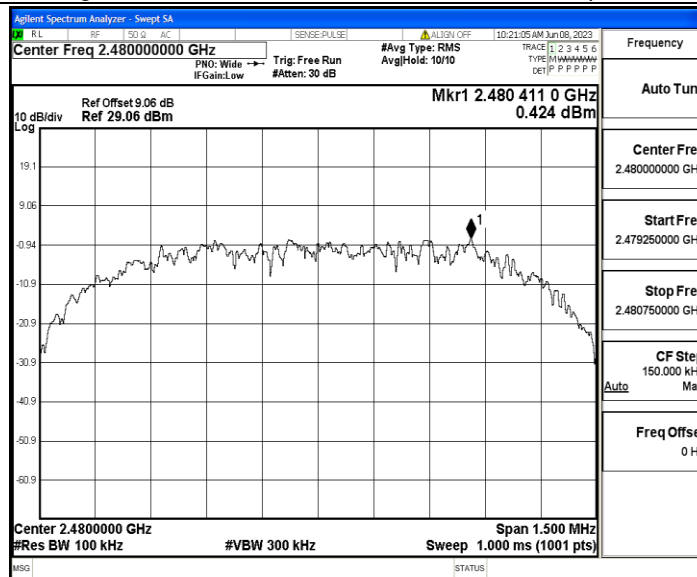
2DH5_Ant1_2441_30~1000



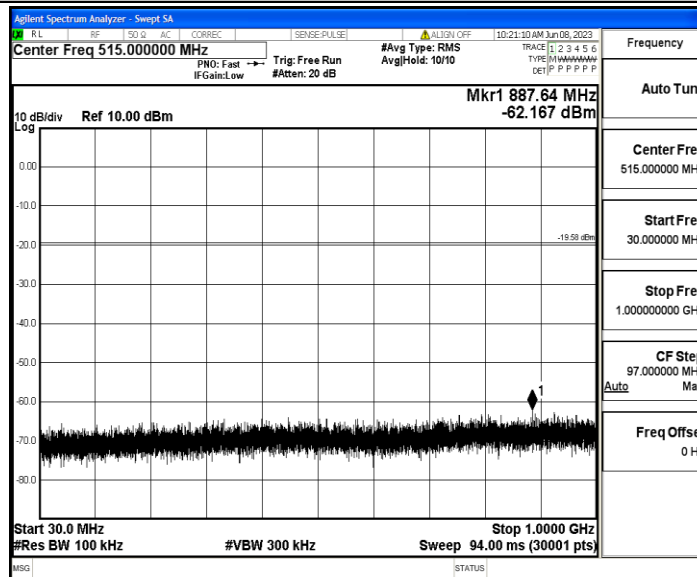
2DH5_Ant1_2441_1000~26500



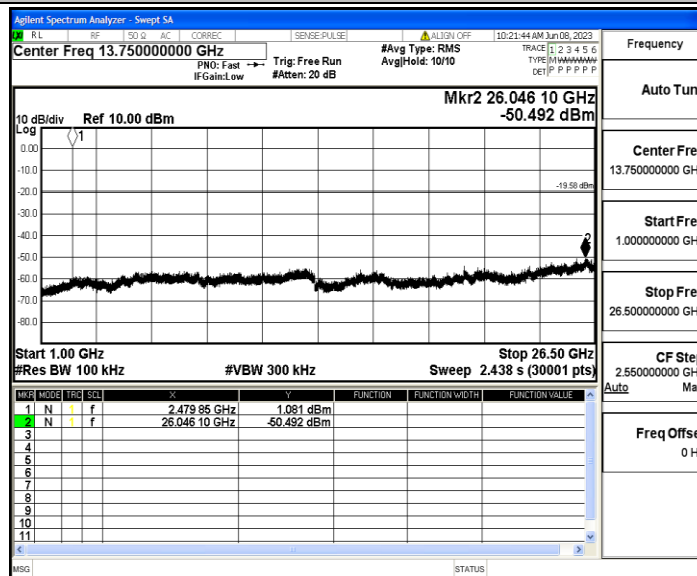
2DH5_Ant1_2480_0~Reference



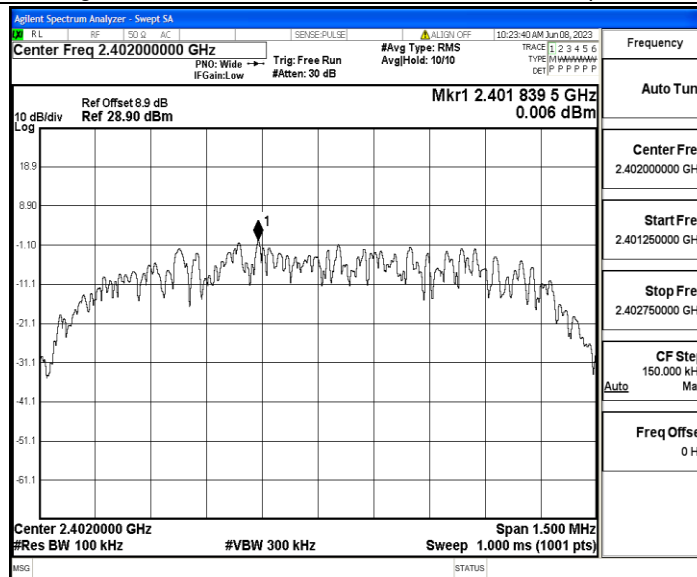
2DH5_Ant1_2480_30~1000



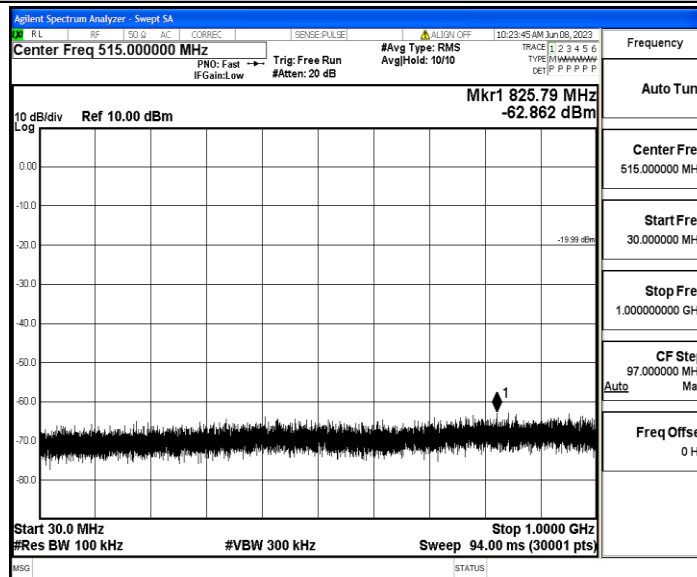
2DH5_Ant1_2480_1000~26500



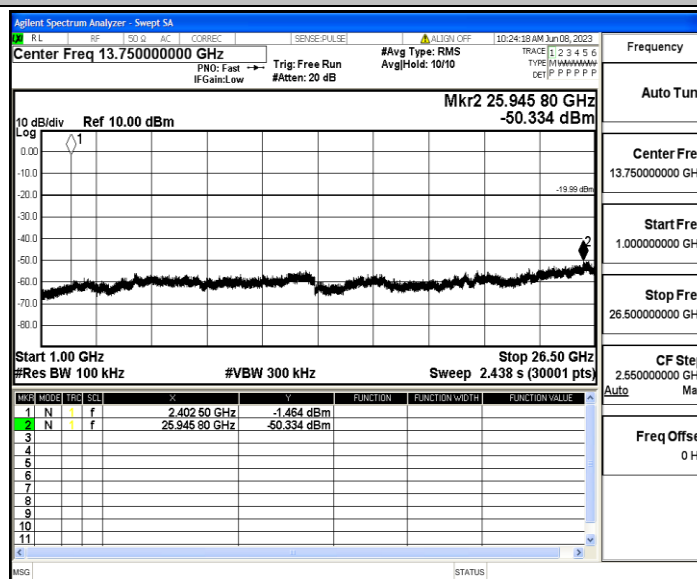
3DH5_Ant1_2402_0~Reference



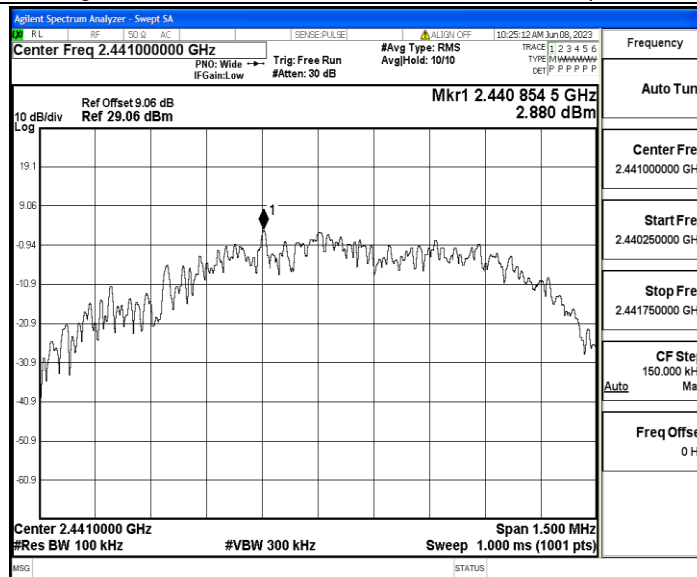
3DH5_Ant1_2402_30~1000



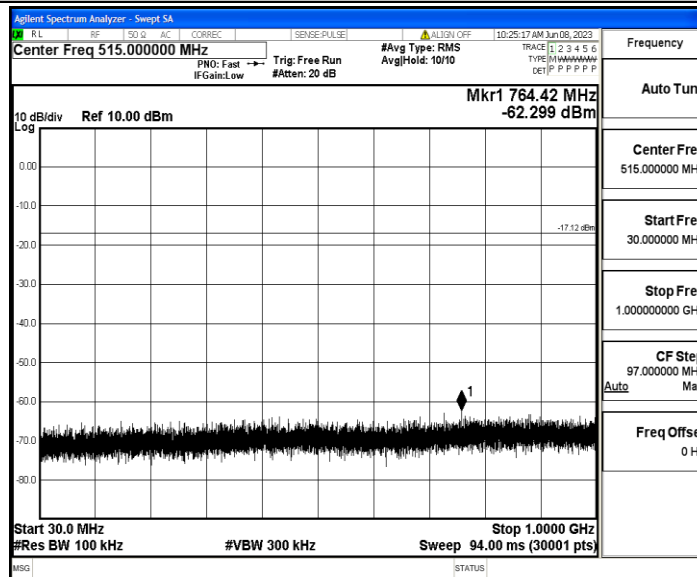
3DH5_Ant1_2402_1000~26500



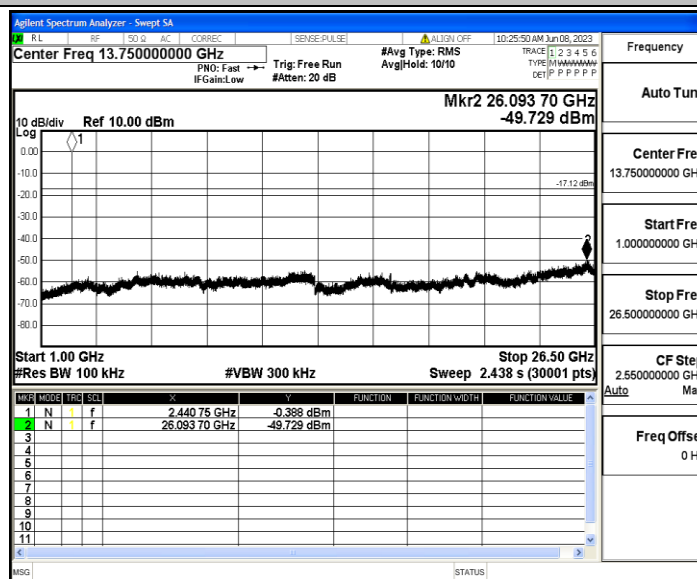
3DH5_Ant1_2441_0~Reference



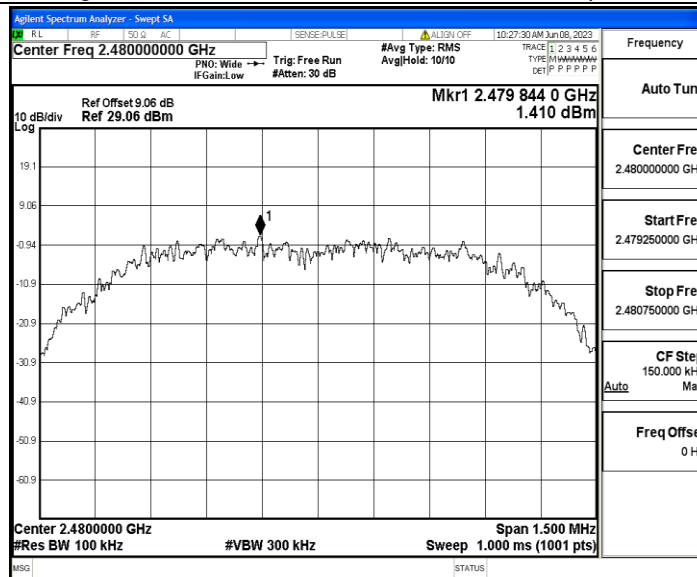
3DH5_Ant1_2441_30~1000



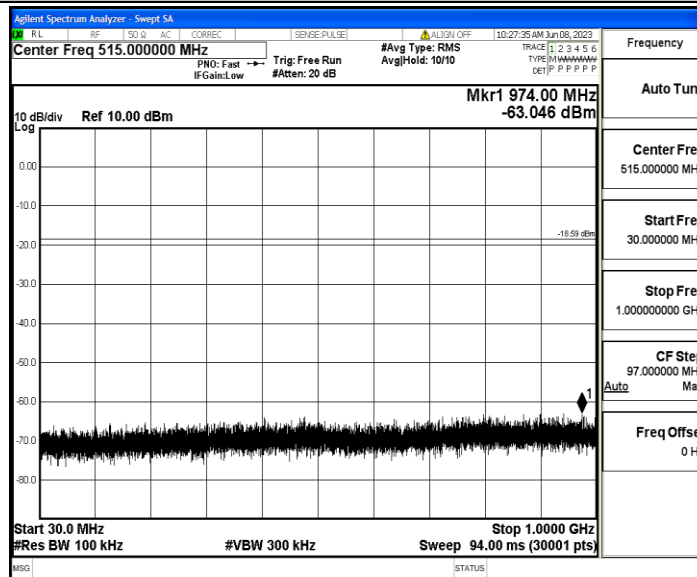
3DH5_Ant1_2441_1000~26500



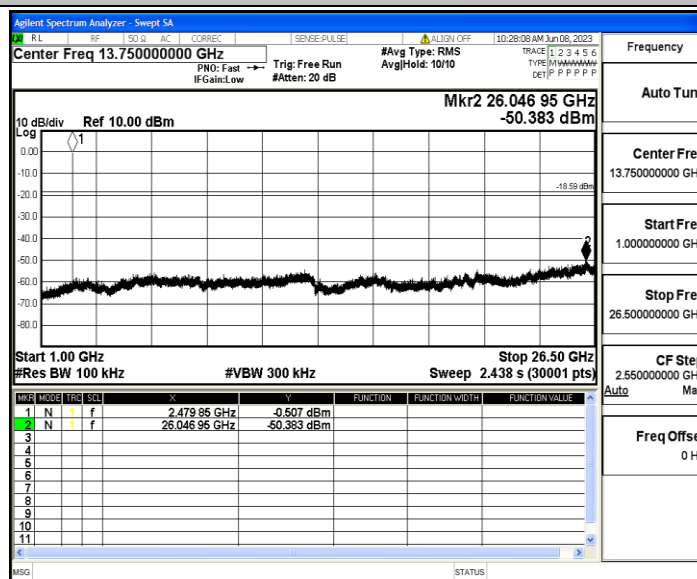
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



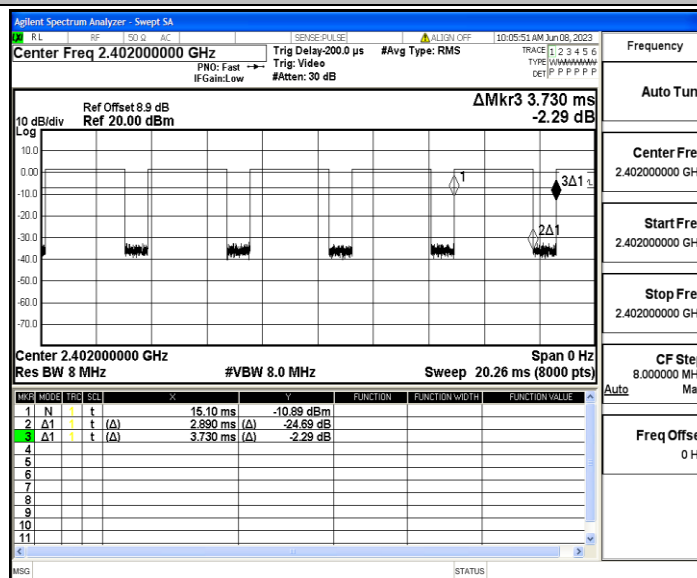
Appendix I: Duty Cycle

Test Result

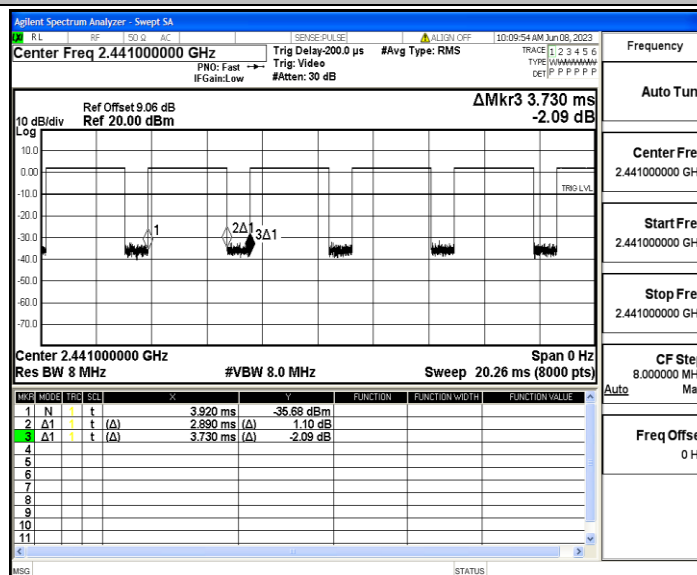
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T[kHz]
DH5	Ant1	2402	2.89	3.73	77.48	0.35
		2441	2.89	3.73	77.48	0.35
		2480	2.89	3.73	77.48	0.35
2DH5	Ant1	2402	2.88	3.73	77.21	0.35
		2441	2.88	3.73	77.21	0.35
		2480	2.89	3.74	77.27	0.35
3DH5	Ant1	2402	2.89	3.74	77.27	0.35
		2441	2.88	3.73	77.21	0.35
		2480	2.89	3.74	77.27	0.35

Test Graphs

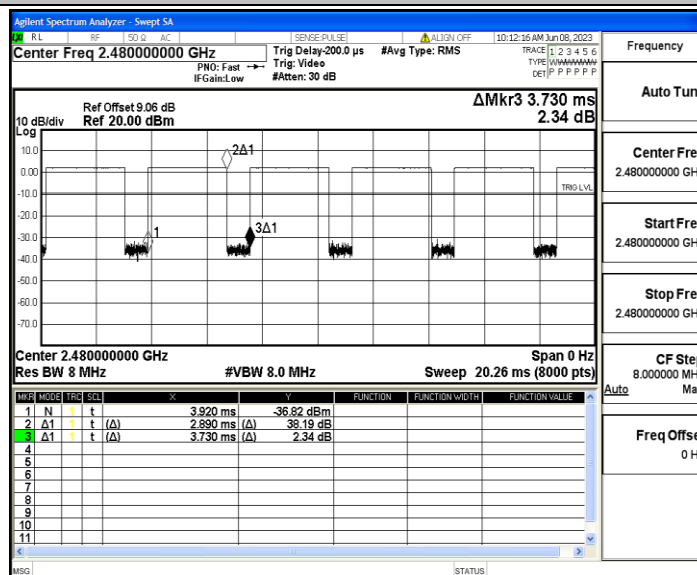
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402