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

Product Name: Smart phone

Trade Mark: KRIP

Test Model: K50

FCC ID: 2APX7K50

Environmental Conditions

Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Nancy Li
Supervised by:	Hugo Chen

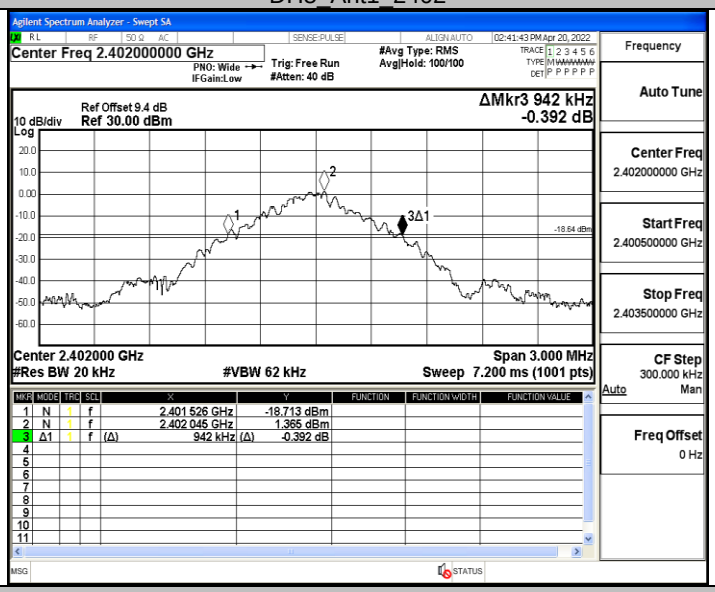
Appendix A: 20dB Emission Bandwidth

Test Result

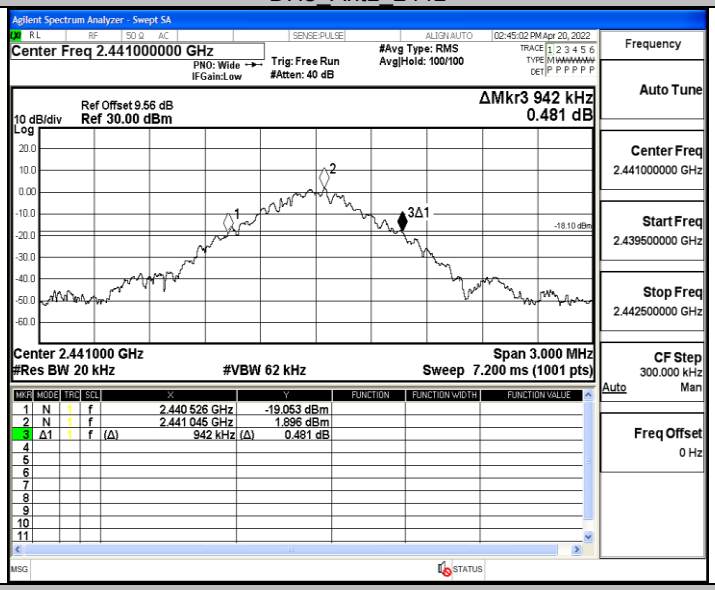
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.942	2401.526	2402.468	---	---
		2441	0.942	2440.526	2441.468	---	---
		2480	0.939	2479.529	2480.468	---	---
2DH5	Ant1	2402	1.317	2401.331	2402.648	---	---
		2441	1.317	2440.331	2441.648	---	---
		2480	1.326	2479.328	2480.654	---	---
3DH5	Ant1	2402	1.272	2401.346	2402.618	---	---
		2441	1.302	2440.337	2441.639	---	---
		2480	1.284	2479.349	2480.633	---	---

Test Graphs

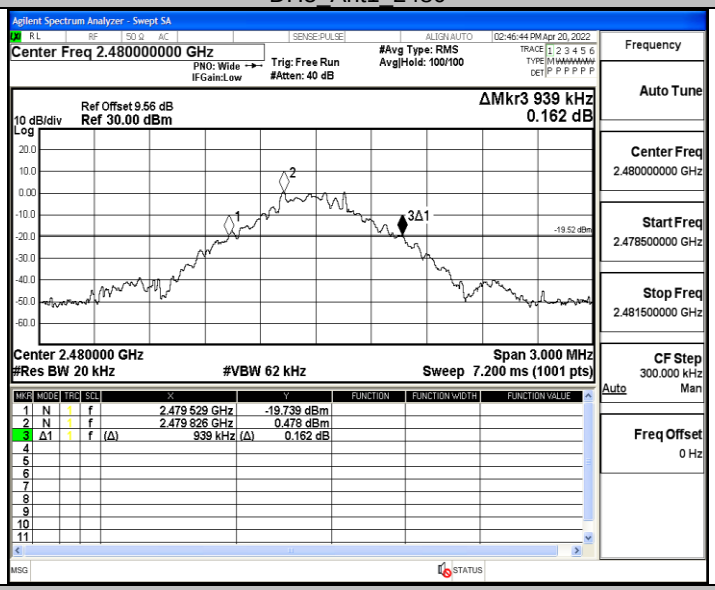
DH5_Ant1_2402



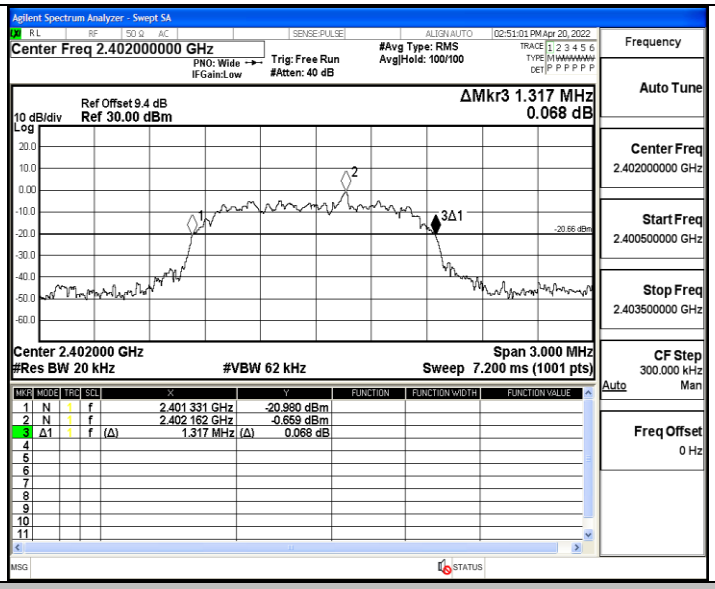
DH5_Ant1_2441



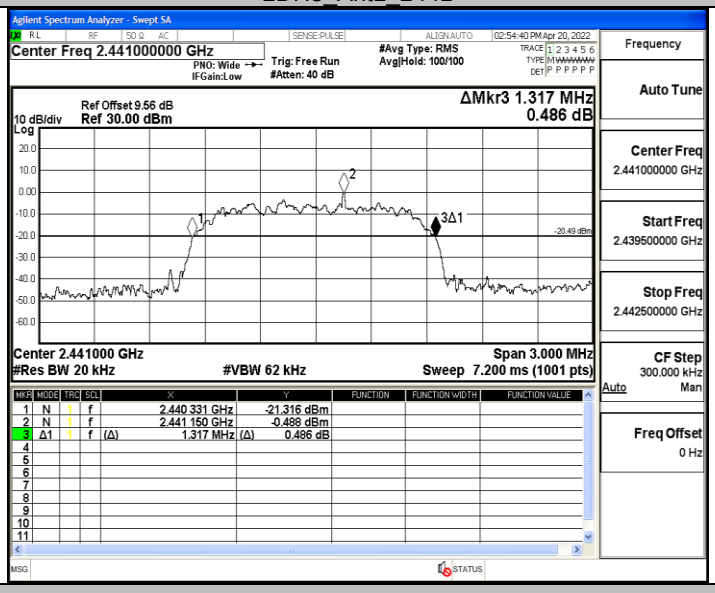
DH5_Ant1_2480



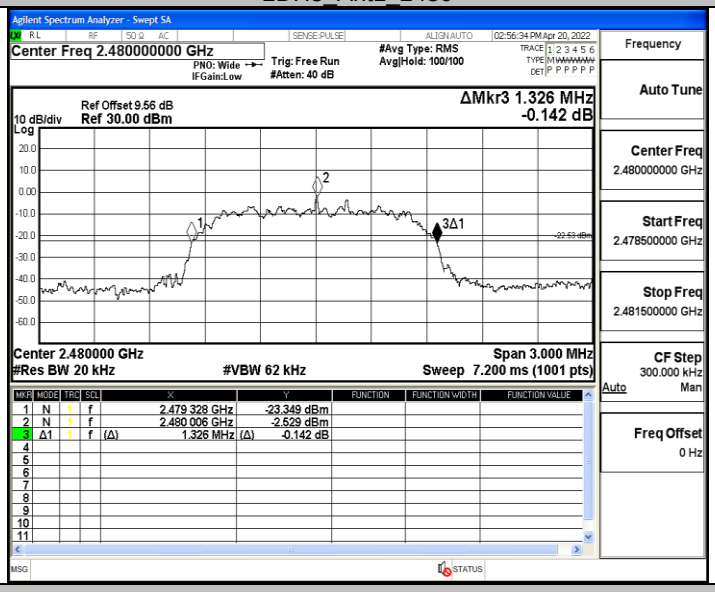
2DH5_Ant1_2402



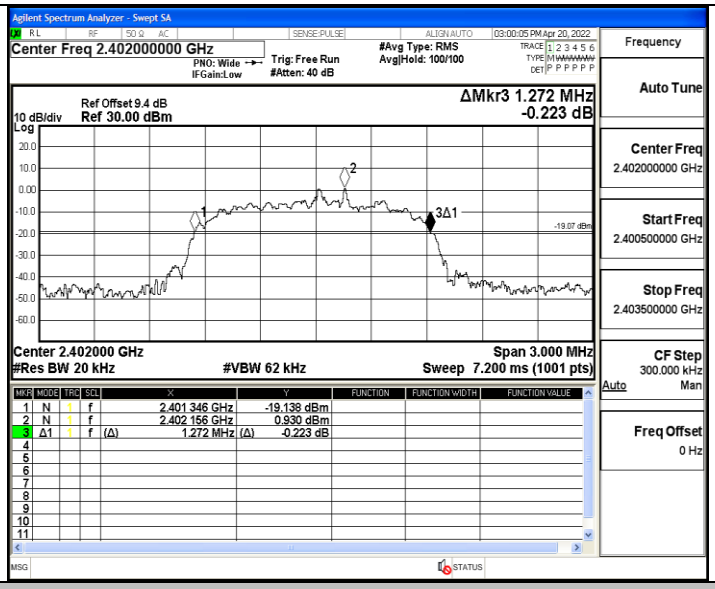
2DH5_Ant1_2441



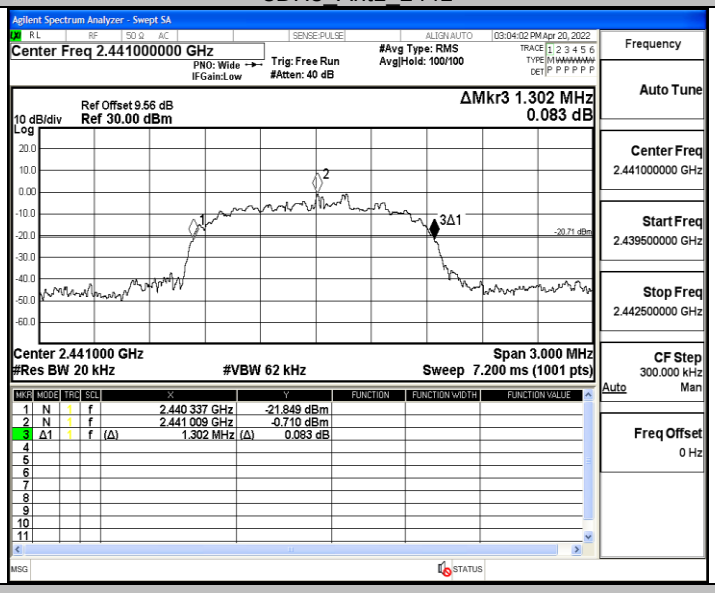
2DH5_Ant1_2480



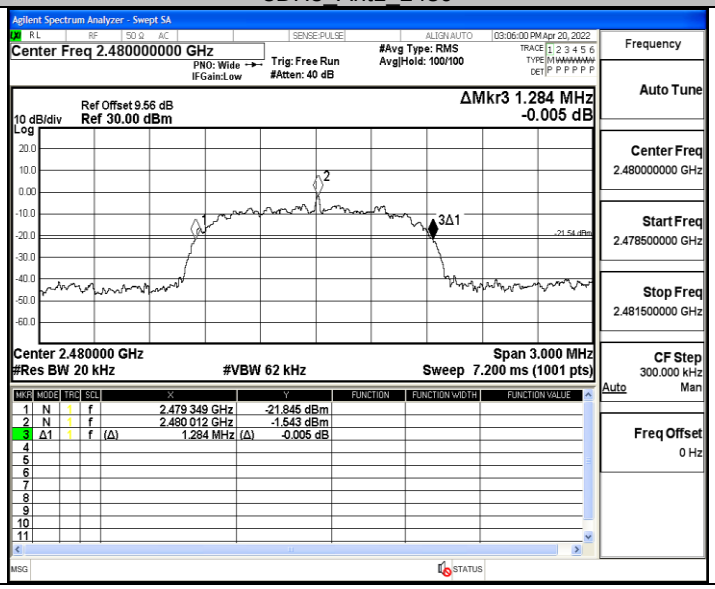
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



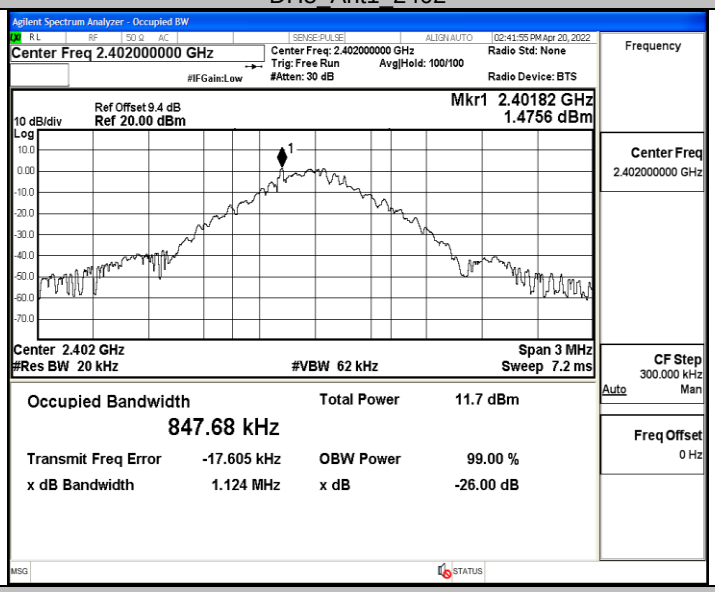
Appendix B: Occupied Channel Bandwidth

Test Result

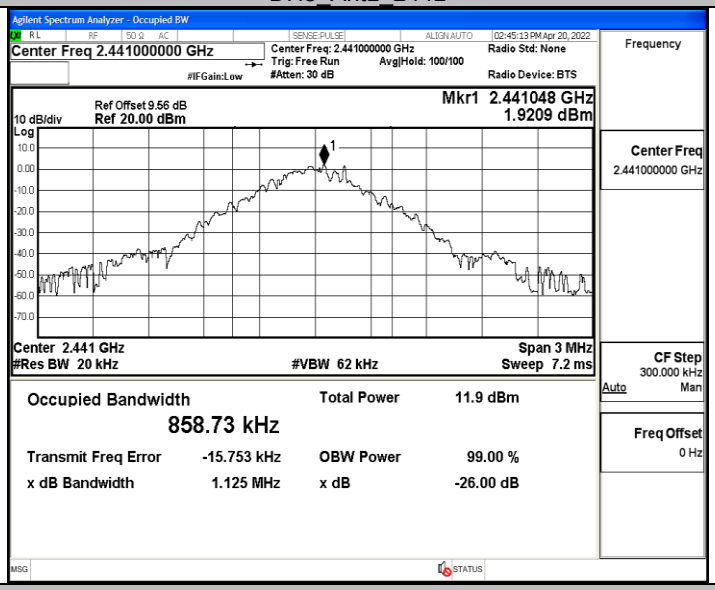
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.84768	2401.559	2402.406	---	---
		2441	0.85873	2440.555	2441.414	---	---
		2480	0.83759	2479.567	2480.404	---	---
2DH5	Ant1	2402	1.1881	2401.396	2402.584	---	---
		2441	1.1858	2440.398	2441.584	---	---
		2480	1.1876	2479.397	2480.584	---	---
3DH5	Ant1	2402	1.1950	2401.387	2402.582	---	---
		2441	1.1988	2440.385	2441.584	---	---
		2480	1.1989	2479.384	2480.583	---	---

Test Graphs

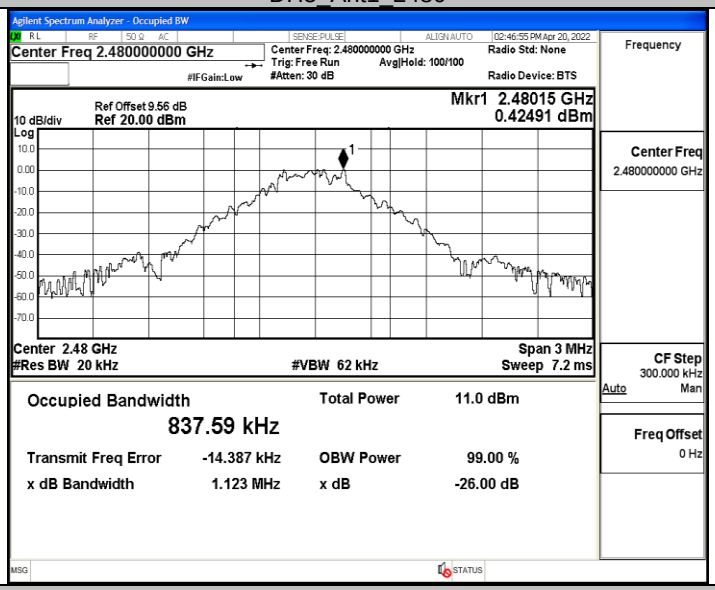
DH5_Ant1_2402



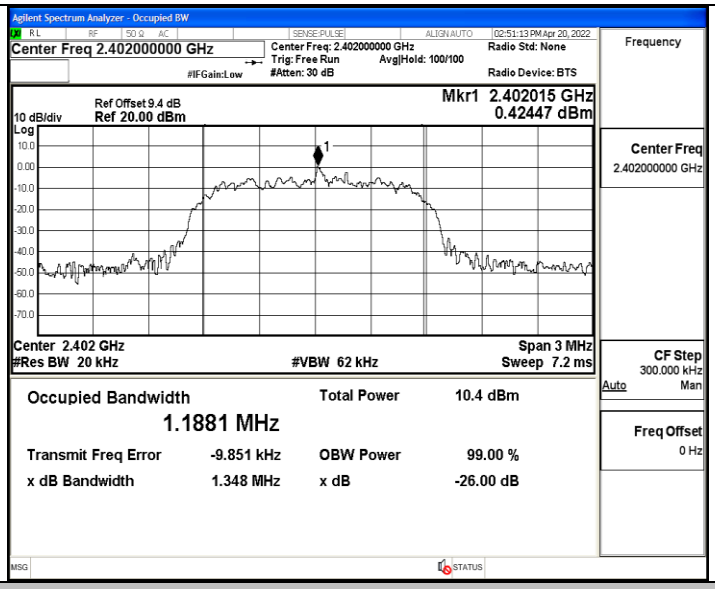
DH5_Ant1_2441



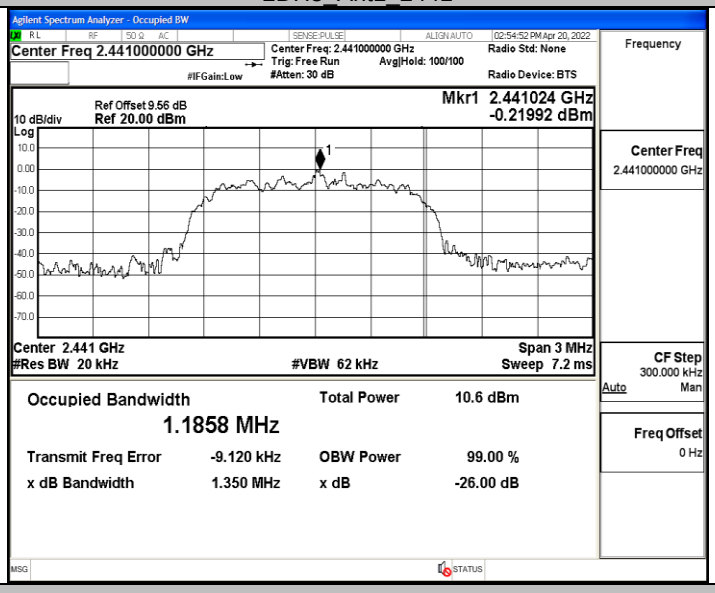
DH5_Ant1_2480



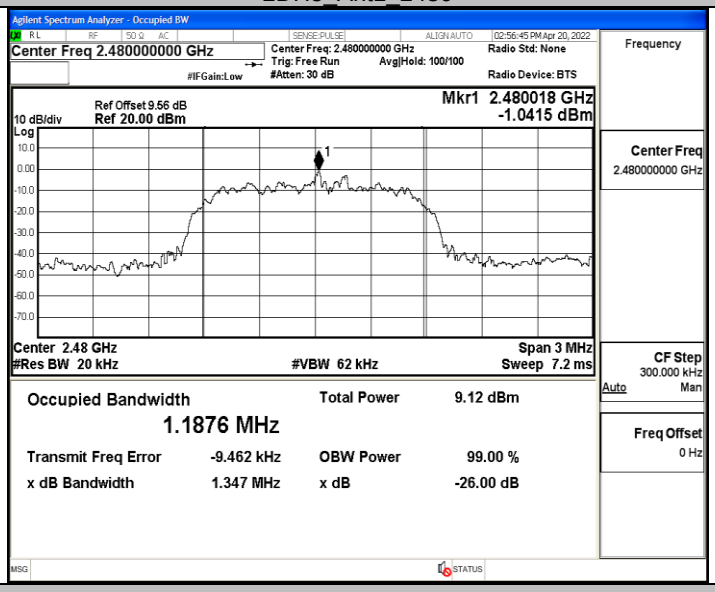
2DH5_Ant1_2402



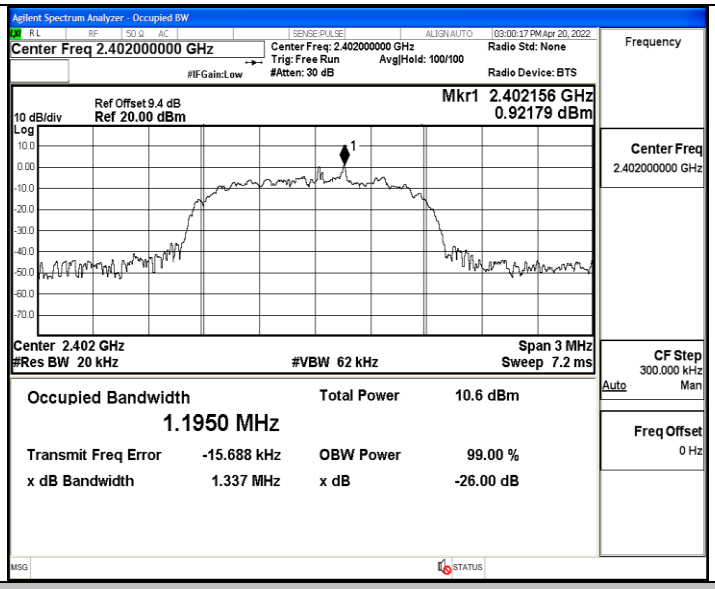
2DH5_Ant1_2441



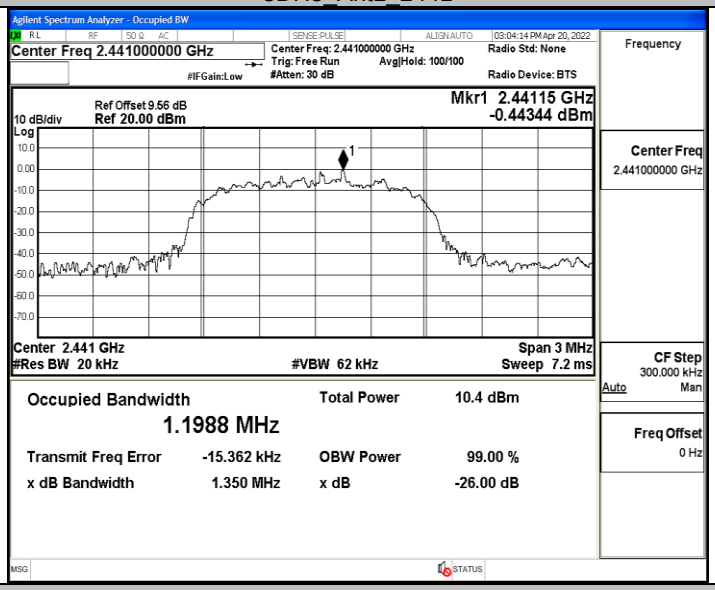
2DH5_Ant1_2480



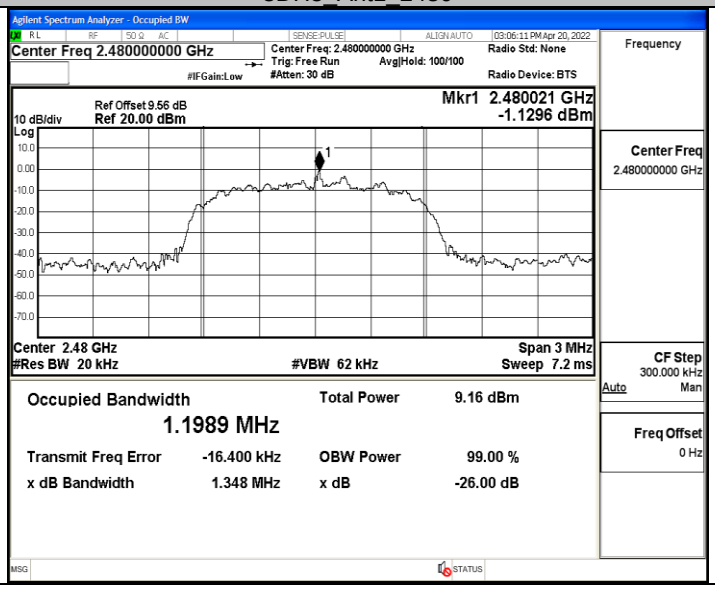
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



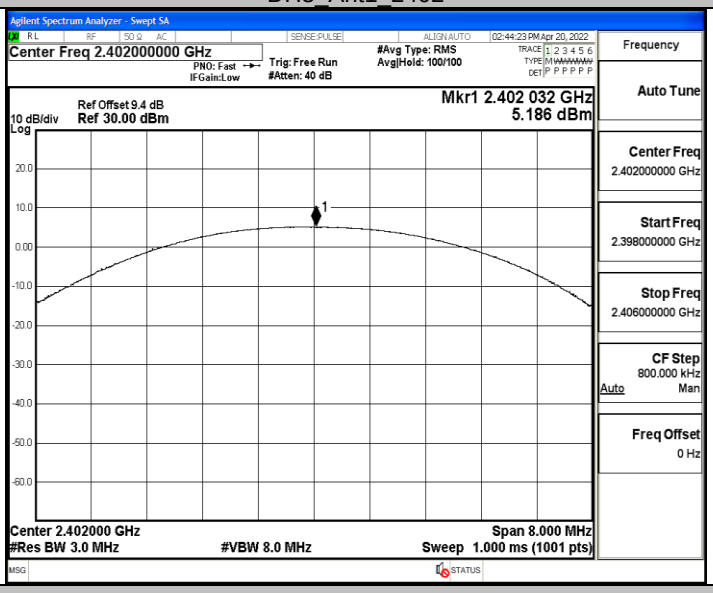
Appendix C: Maximum conducted output power

Test Result

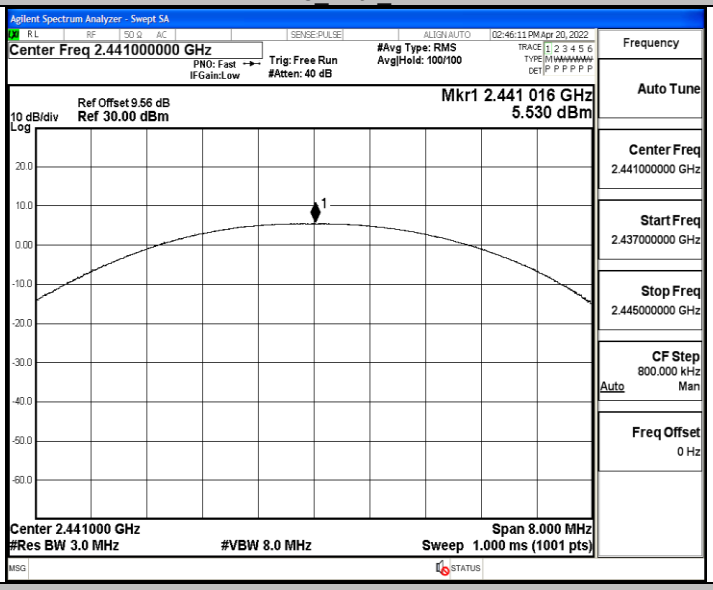
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	5.19	≤30.0	PASS
		2441	5.53	≤30.0	PASS
		2480	4.04	≤30.0	PASS
2DH5	Ant1	2402	6.08	≤20.97	PASS
		2441	6.21	≤20.97	PASS
		2480	4.61	≤20.97	PASS
3DH5	Ant1	2402	6.43	≤20.97	PASS
		2441	6.48	≤20.97	PASS
		2480	4.89	≤20.97	PASS

Test Graphs

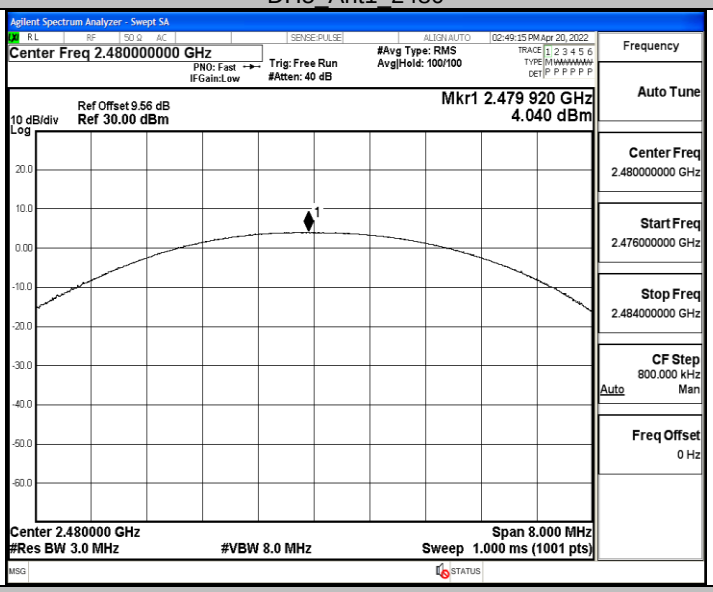
DH5_Ant1_2402



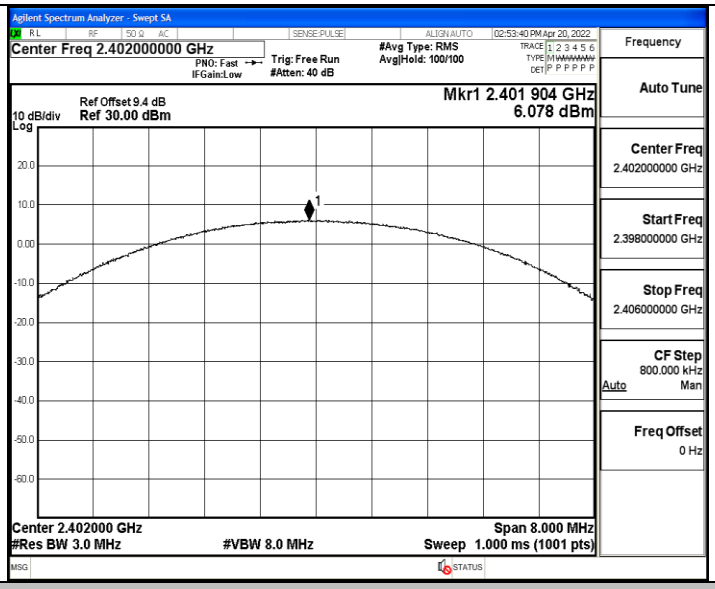
DH5_Ant1_2441



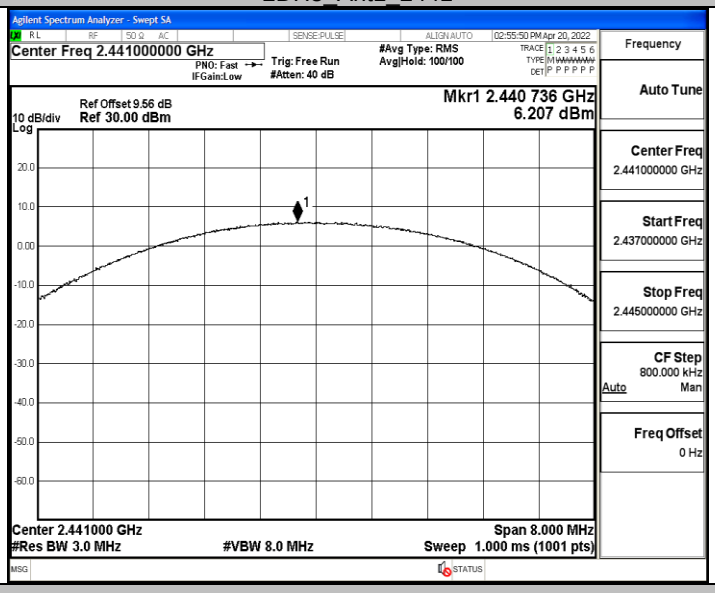
DH5_Ant1_2480



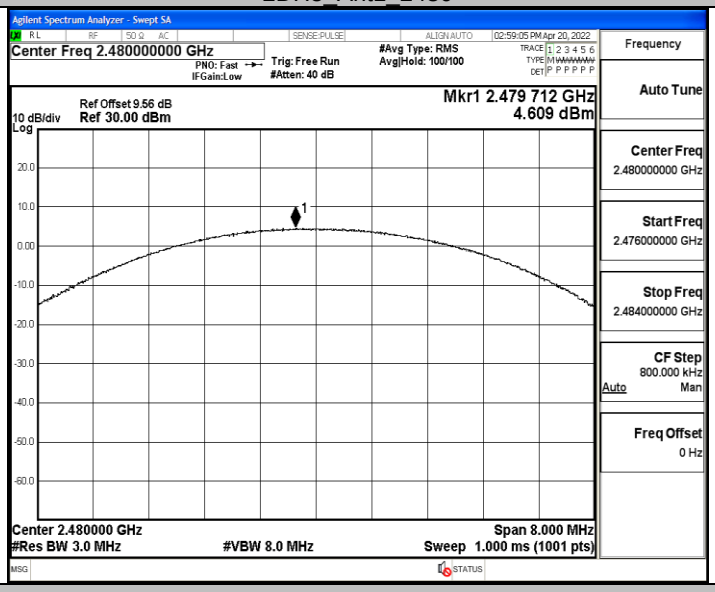
2DH5_Ant1_2402



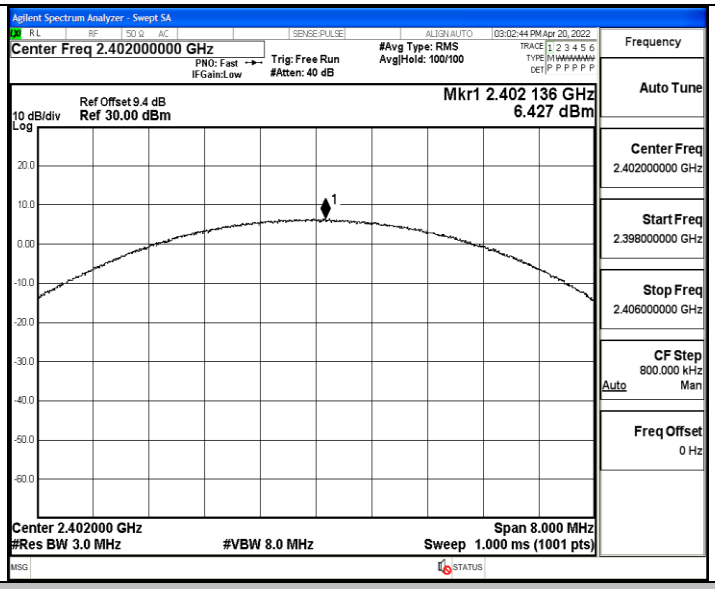
2DH5_Ant1_2441



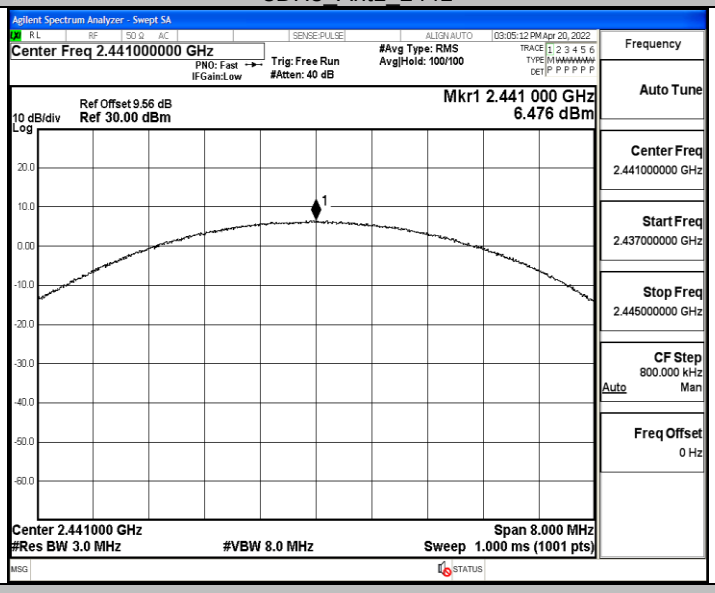
2DH5_Ant1_2480



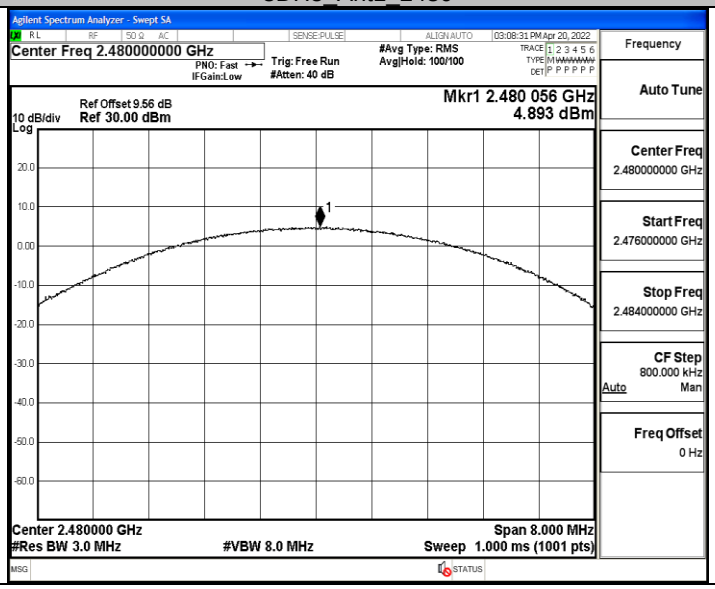
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



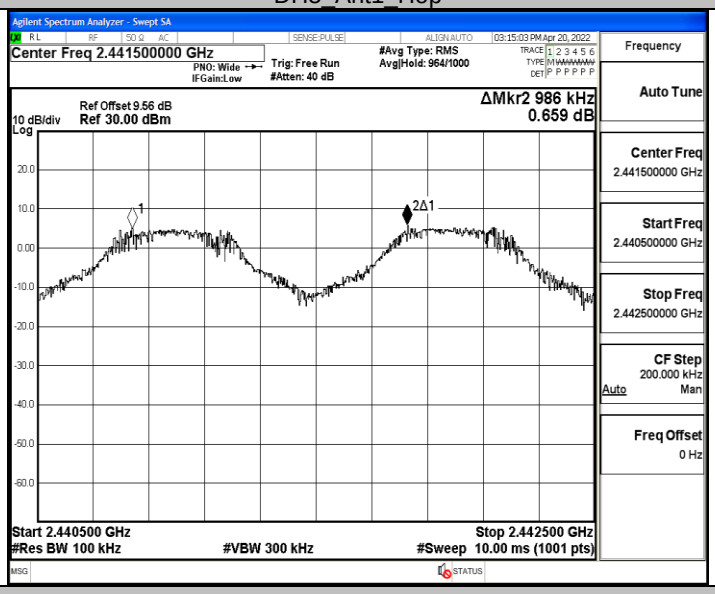
Appendix D: Carrier frequency separation

Test Result

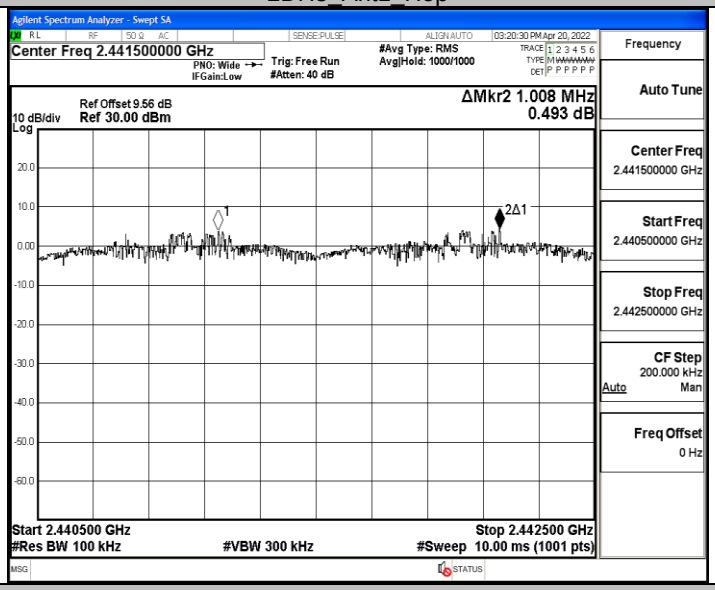
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.986	≥0.942	PASS
2DH5	Ant1	Hop	1.008	≥0.884	PASS
3DH5	Ant1	Hop	0.994	≥0.868	PASS

Test Graphs

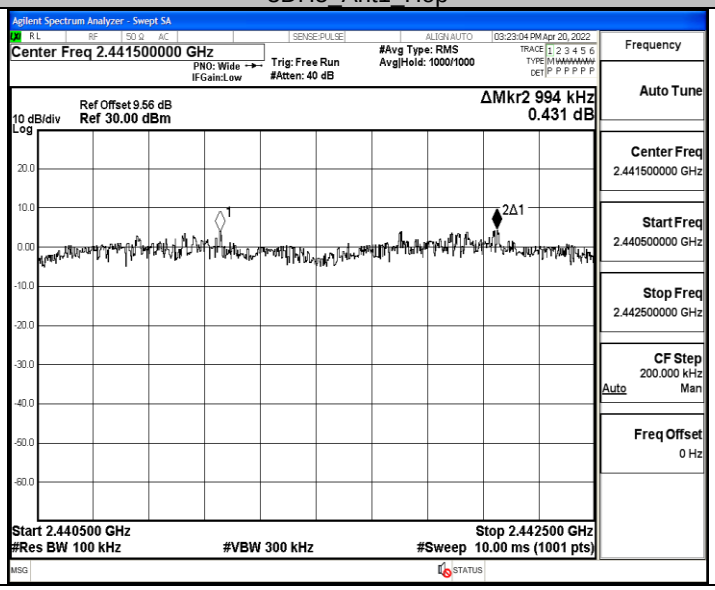
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



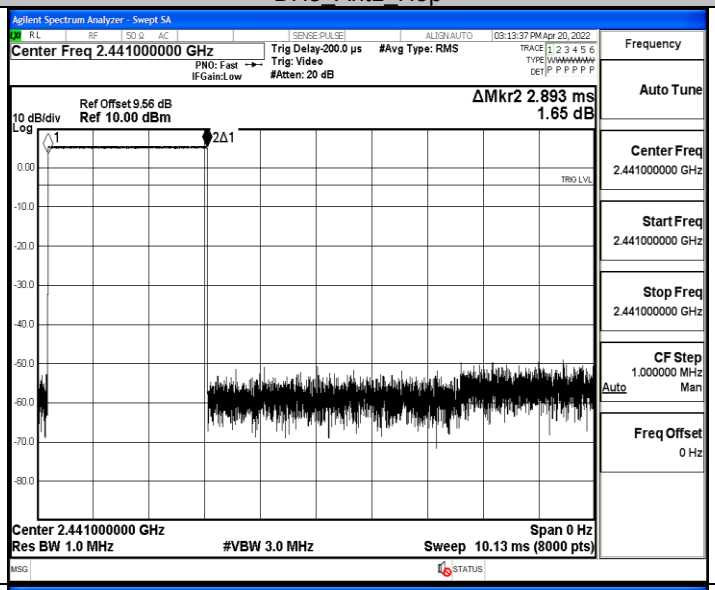
Appendix E: Time of occupancy

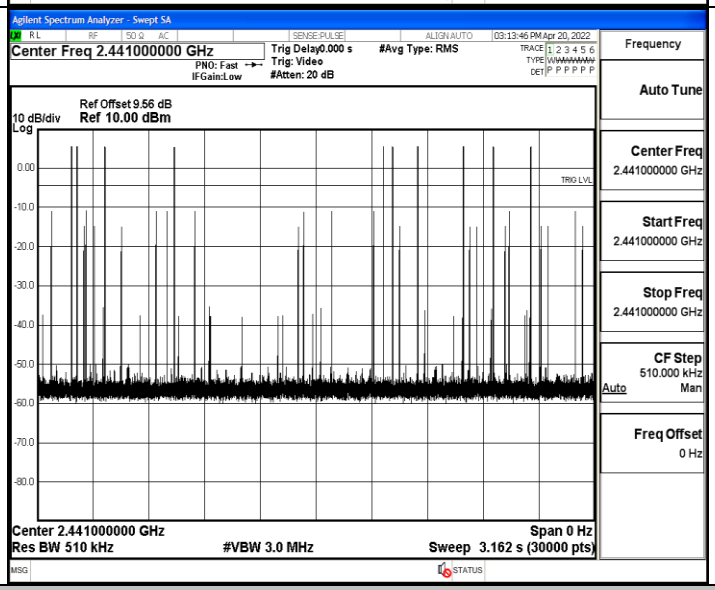
Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.89	110	0.318	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.88	80	0.231	≤0.4	PASS

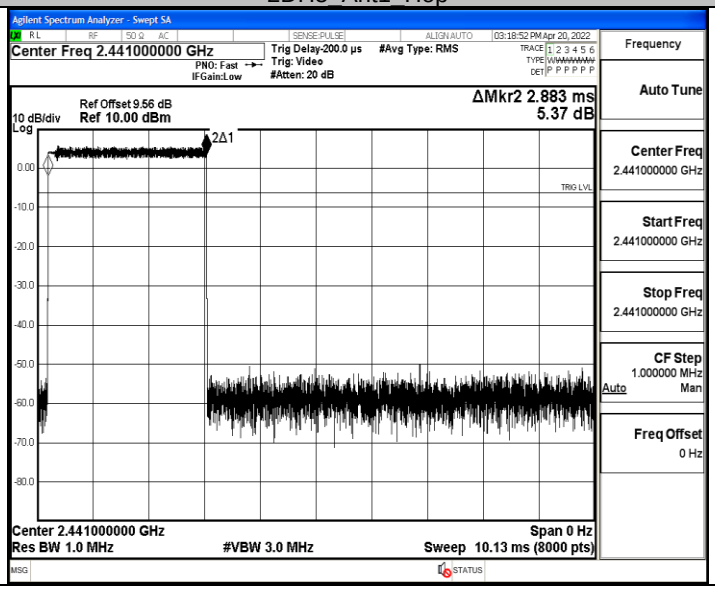
Test Graphs

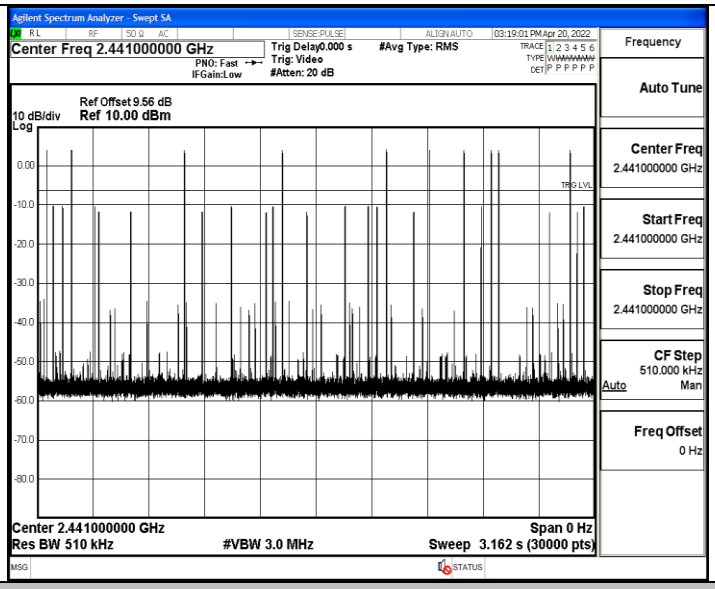
DH5_Ant1_Hop



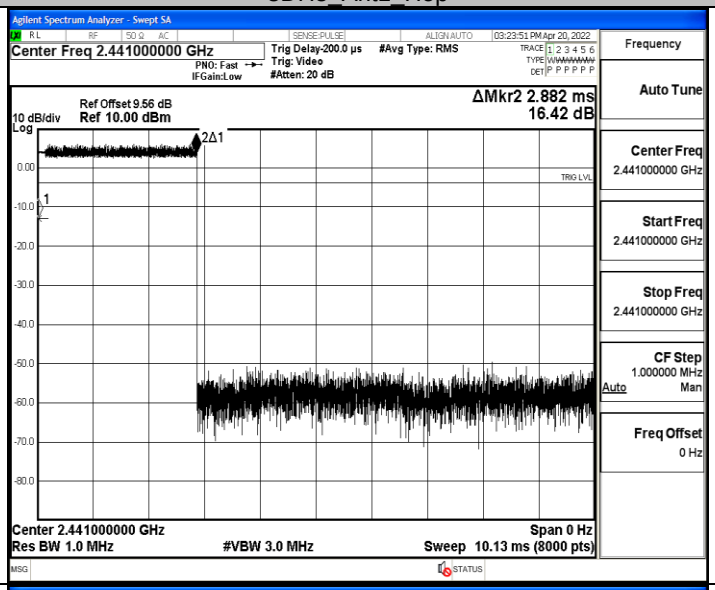


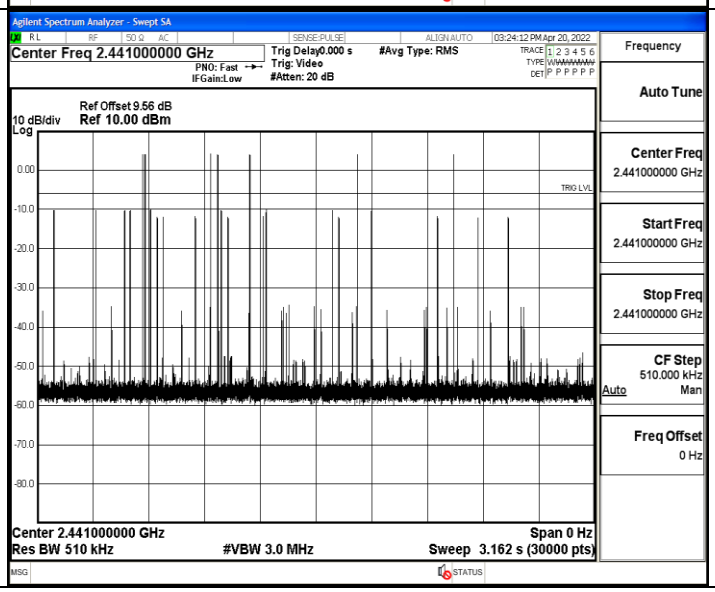
2DH5_Ant1_Hop





3DH5_Ant1_Hop





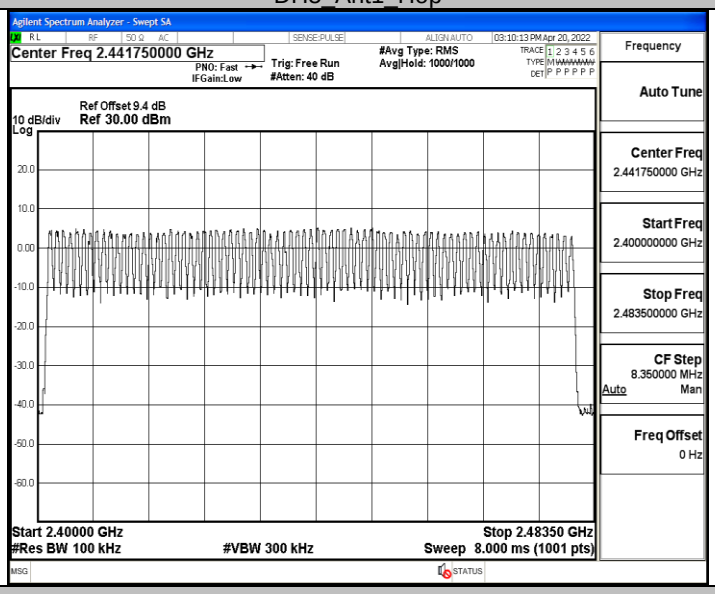
Appendix F: Number of hopping channels

Test Result

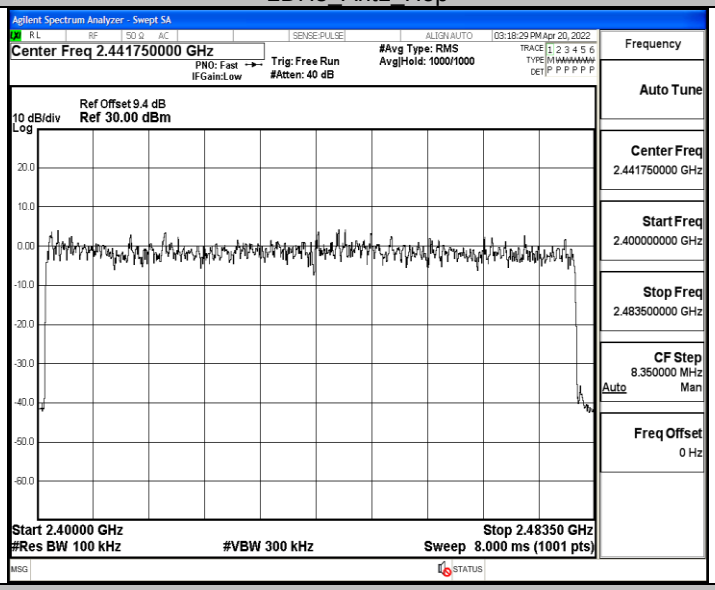
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

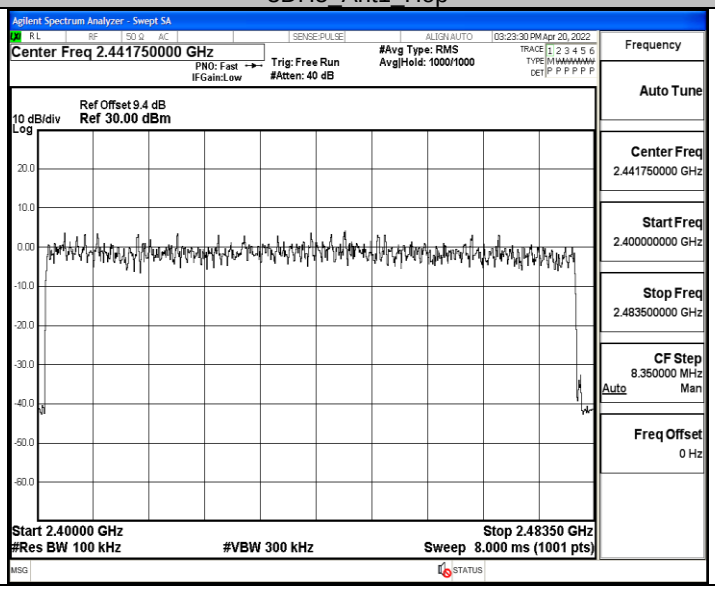
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



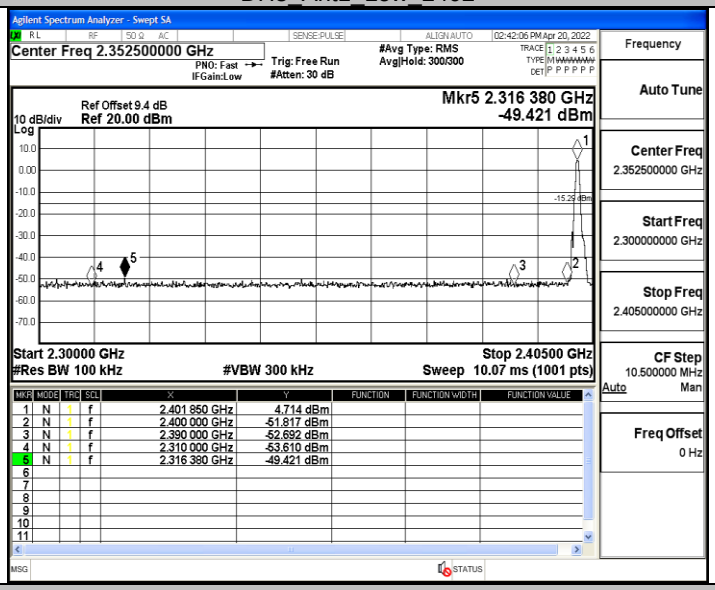
Appendix G: Band edge measurements

Test Result

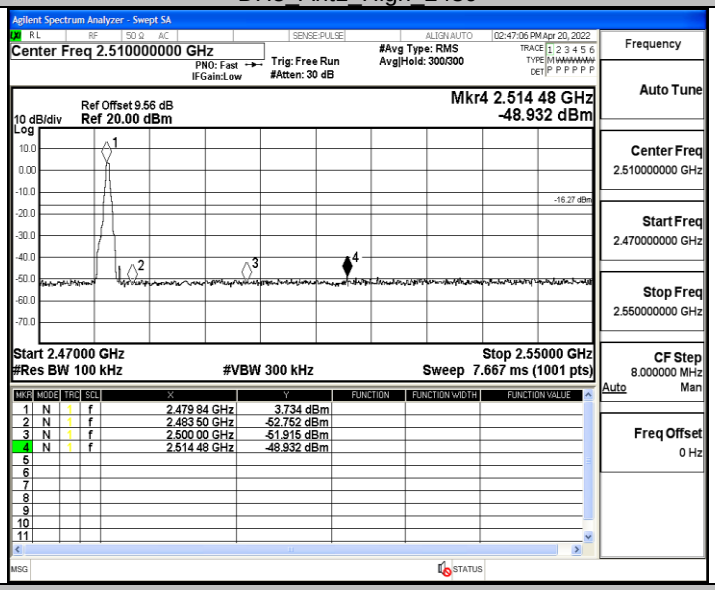
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.71	-49.42	≤-15.29	PASS
		High	2480	3.73	-48.93	≤-16.27	PASS
		Low	Hop_2402	4.08	-50.48	≤-15.92	PASS
		High	Hop_2480	4.08	-48.58	≤-15.92	PASS
2DH5	Ant1	Low	2402	3.65	-49.28	≤-16.35	PASS
		High	2480	2.09	-48.52	≤-17.92	PASS
		Low	Hop_2402	3.60	-50.42	≤-16.4	PASS
		High	Hop_2480	3.02	-49.21	≤-16.98	PASS
3DH5	Ant1	Low	2402	3.87	-49.55	≤-16.14	PASS
		High	2480	2.34	-48.82	≤-17.66	PASS
		Low	Hop_2402	0.60	-49.87	≤-19.4	PASS
		High	Hop_2480	2.63	-49.02	≤-17.37	PASS

Test Graphs

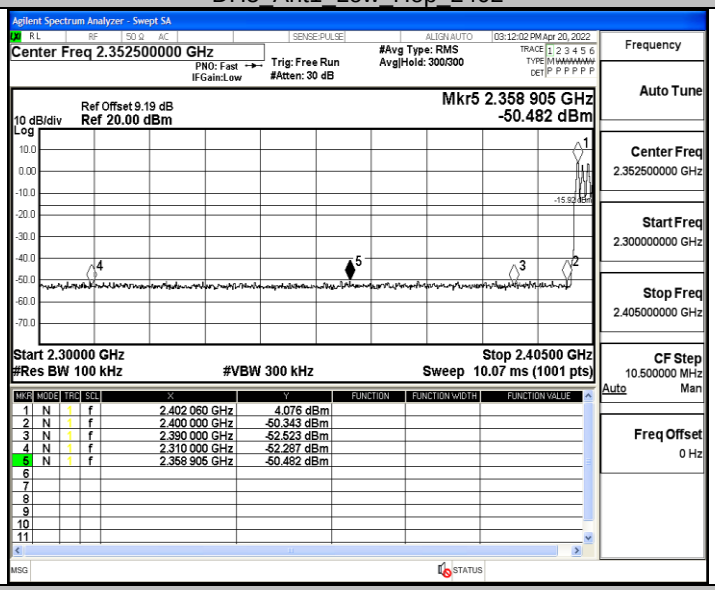
DH5_Ant1_Low_2402



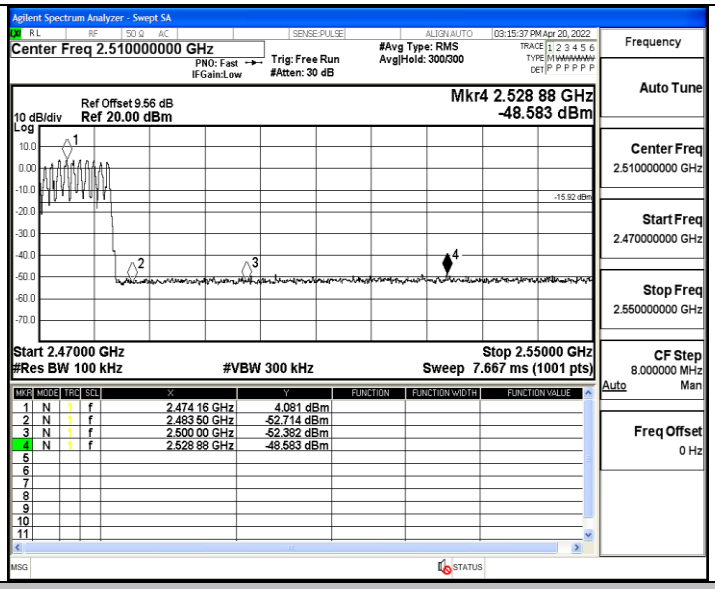
DH5_Ant1_High_2480



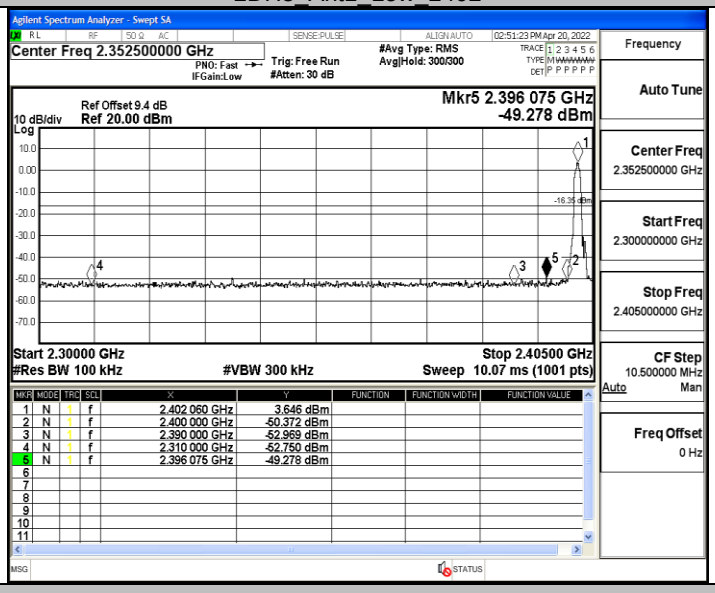
DH5_Ant1_Low_Hop_2402



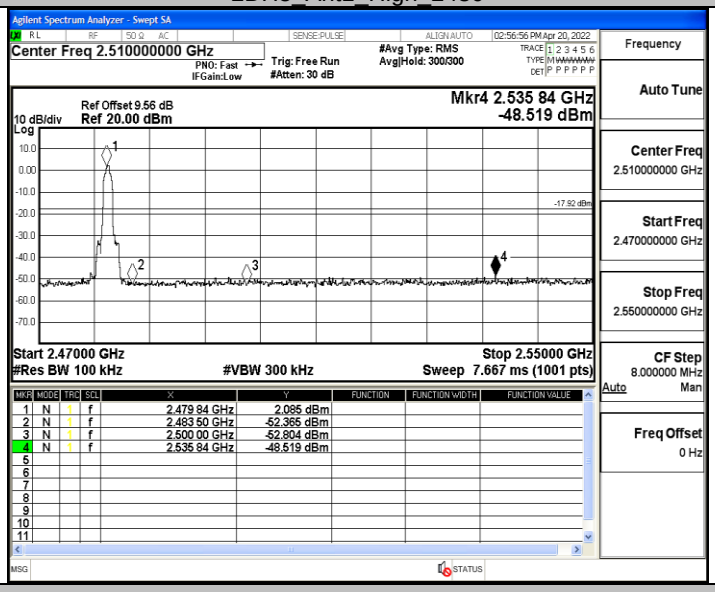
DH5_Ant1_High_Hop_2480



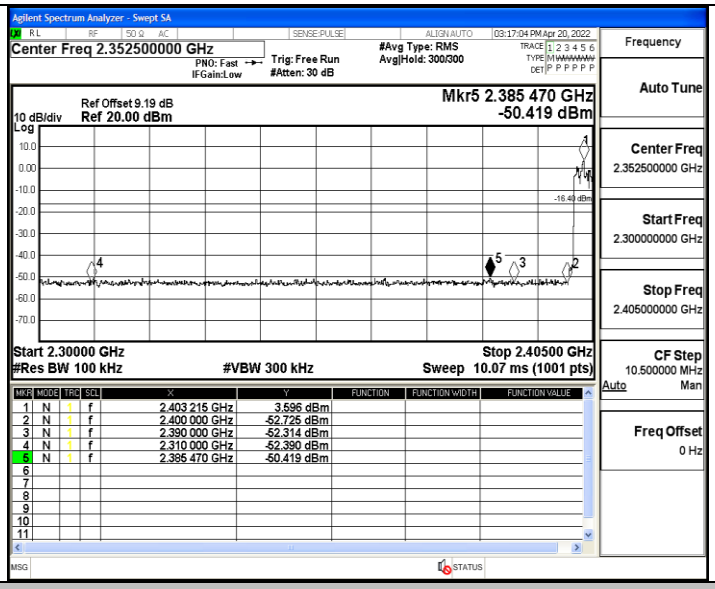
2DH5_Ant1_Low_2402



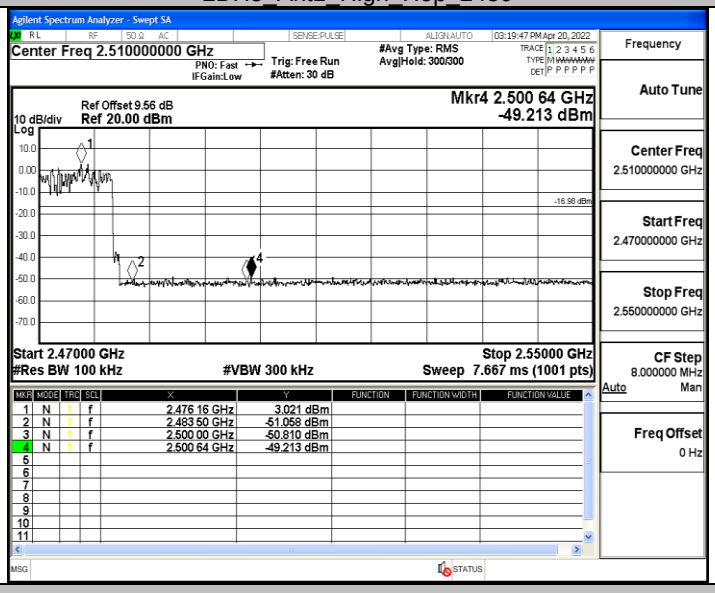
2DH5_Ant1_High_2480



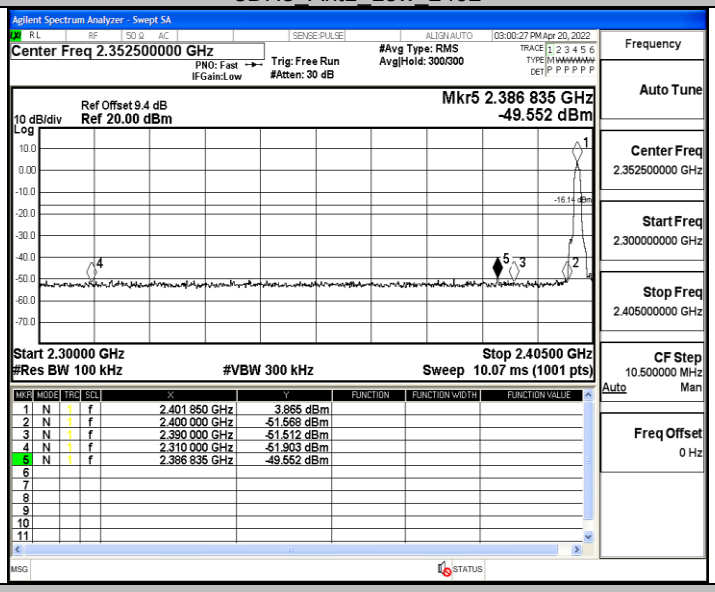
2DH5_Ant1_Low_Hop_2402



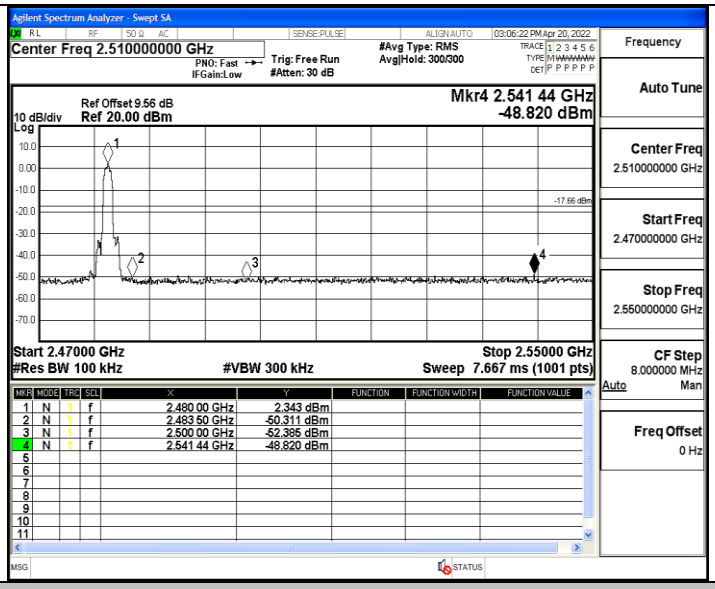
2DH5_Ant1_High_Hop_2480



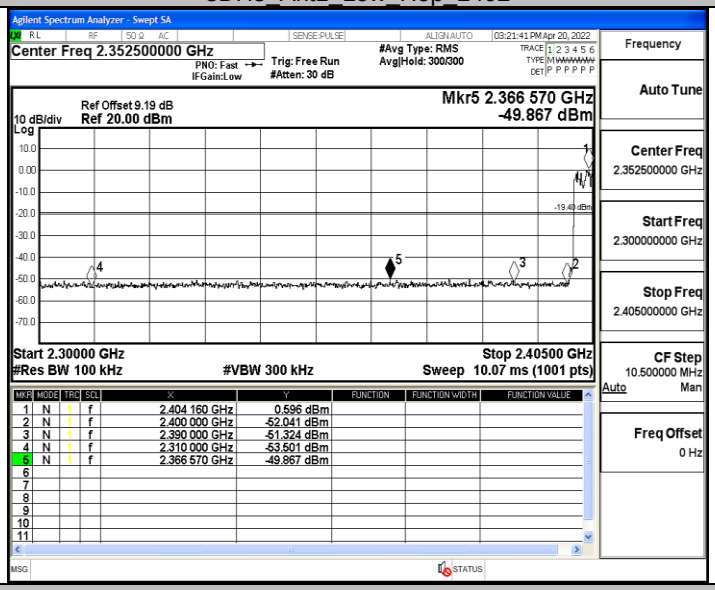
3DH5_Ant1_Low_2402



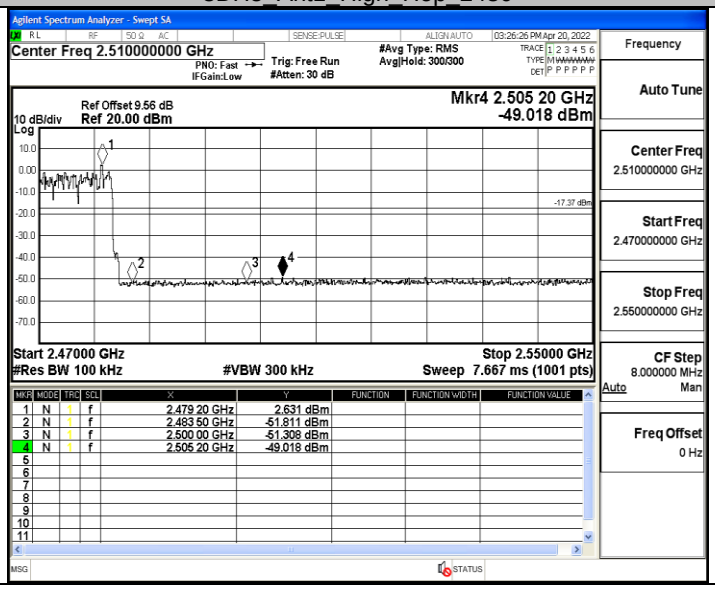
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



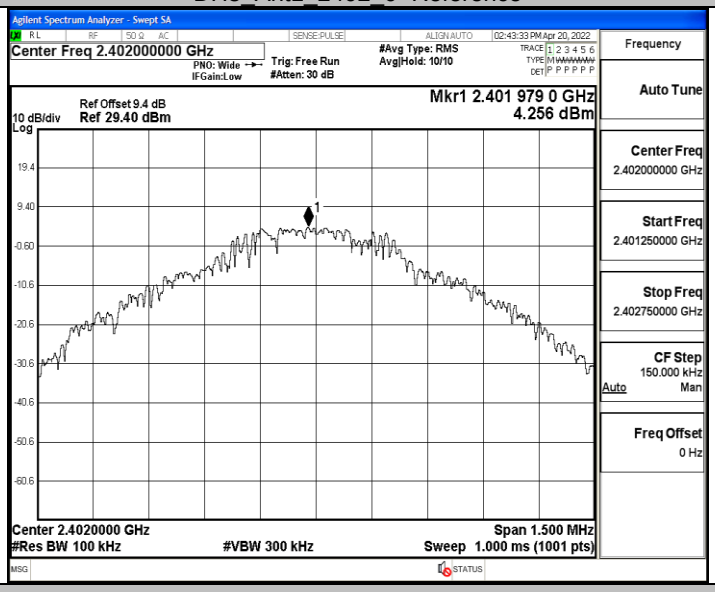
Appendix H: Conducted Spurious Emission

Test Result

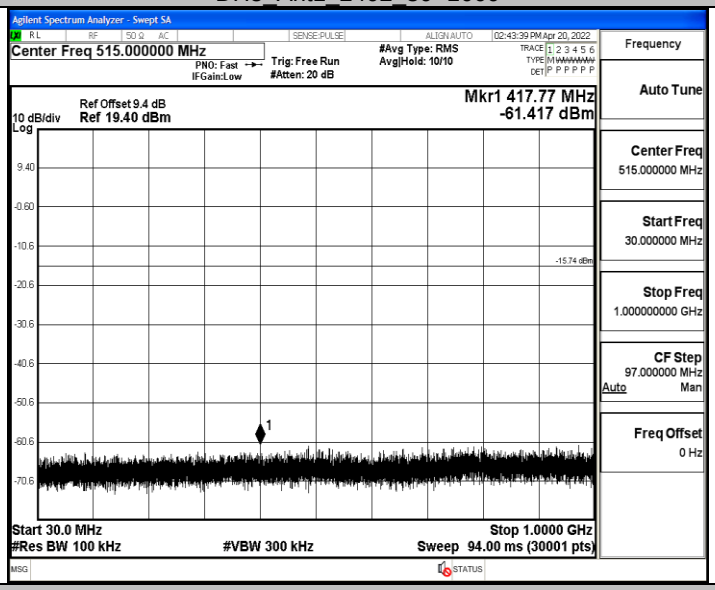
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	4.26	4.26	---	PASS
			30~1000	4.26	-61.42	≤-15.74	PASS
			1000~26500	4.26	-51.09	≤-15.74	PASS
		2441	Reference	4.68	4.68	---	PASS
			30~1000	4.68	-59.99	≤-15.32	PASS
			1000~26500	4.68	-50.57	≤-15.32	PASS
		2480	Reference	3.00	3.00	---	PASS
			30~1000	3.00	-61.07	≤-17	PASS
			1000~26500	3.00	-50.59	≤-17	PASS
2DH5	Ant1	2402	Reference	3.82	3.82	---	PASS
			30~1000	3.82	-61.79	≤-16.18	PASS
			1000~26500	3.82	-50.83	≤-16.18	PASS
		2441	Reference	2.97	2.97	---	PASS
			30~1000	2.97	-60.02	≤-17.03	PASS
			1000~26500	2.97	-51.22	≤-17.03	PASS
		2480	Reference	0.34	0.34	---	PASS
			30~1000	0.34	-61.28	≤-19.66	PASS
			1000~26500	0.34	-50.86	≤-19.66	PASS
3DH5	Ant1	2402	Reference	1.82	1.82	---	PASS
			30~1000	1.82	-60.49	≤-18.18	PASS
			1000~26500	1.82	-51.34	≤-18.18	PASS
		2441	Reference	3.42	3.42	---	PASS
			30~1000	3.42	-60.81	≤-16.58	PASS
			1000~26500	3.42	-49.23	≤-16.58	PASS
		2480	Reference	0.70	0.70	---	PASS
			30~1000	0.70	-60.3	≤-19.3	PASS
			1000~26500	0.70	-50.58	≤-19.3	PASS

Test Graphs

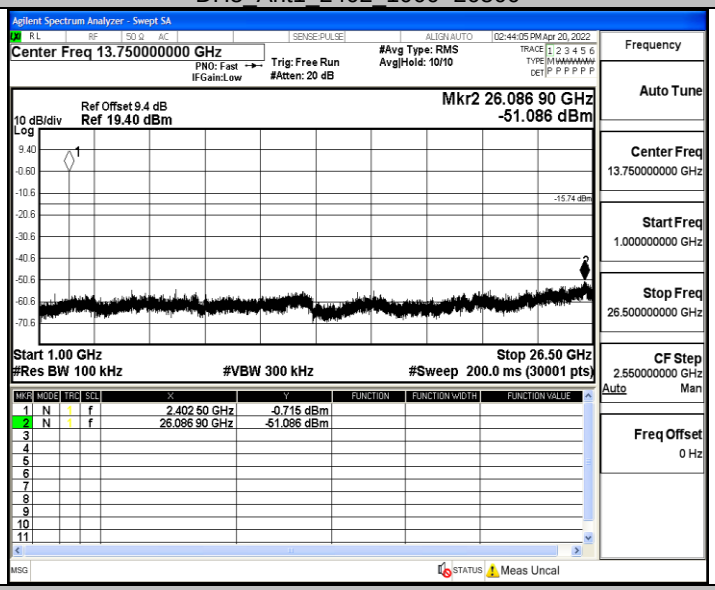
DH5_Ant1_2402_0~Reference



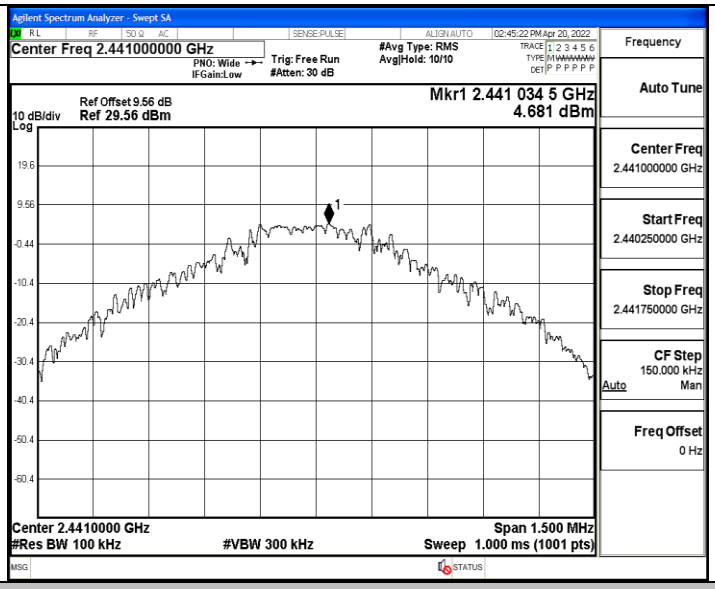
DH5_Ant1_2402_30~1000



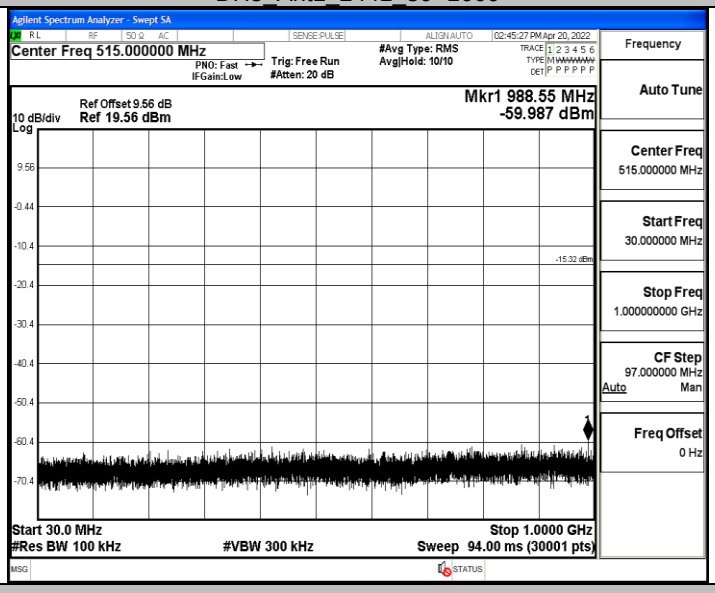
DH5_Ant1_2402_1000~26500



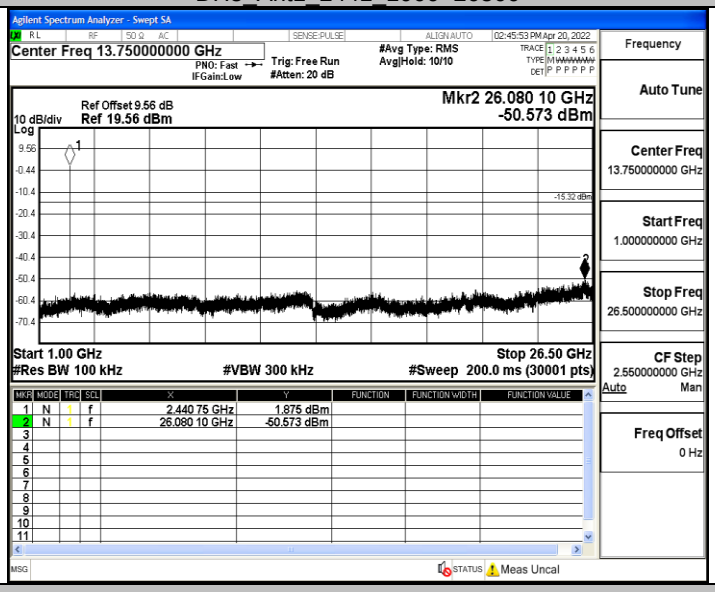
DH5_Ant1_2441_0~Reference



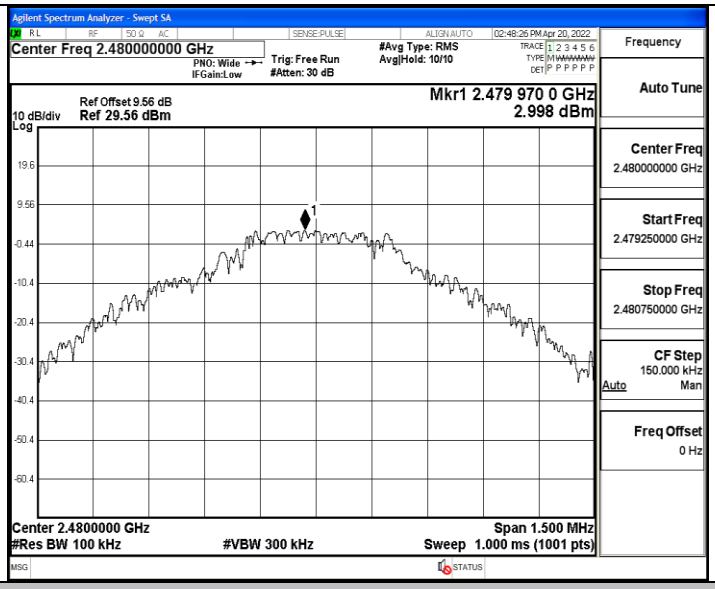
DH5_Ant1_2441_30~1000



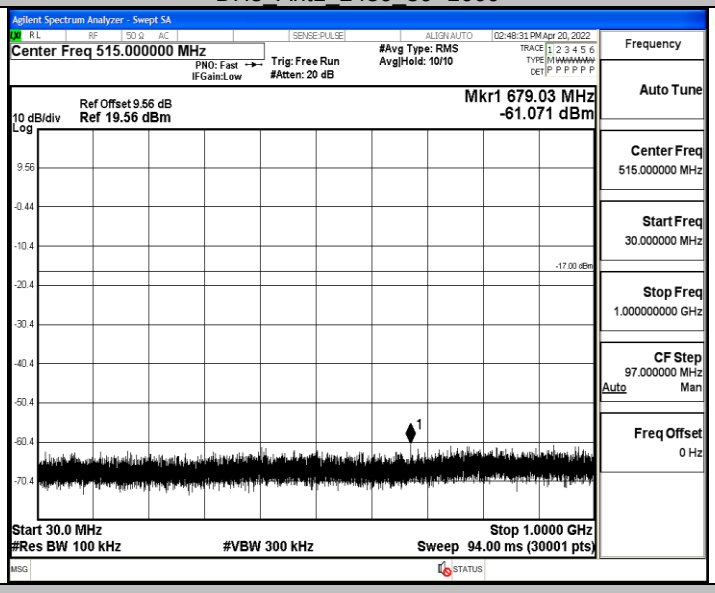
DH5_Ant1_2441_1000~26500



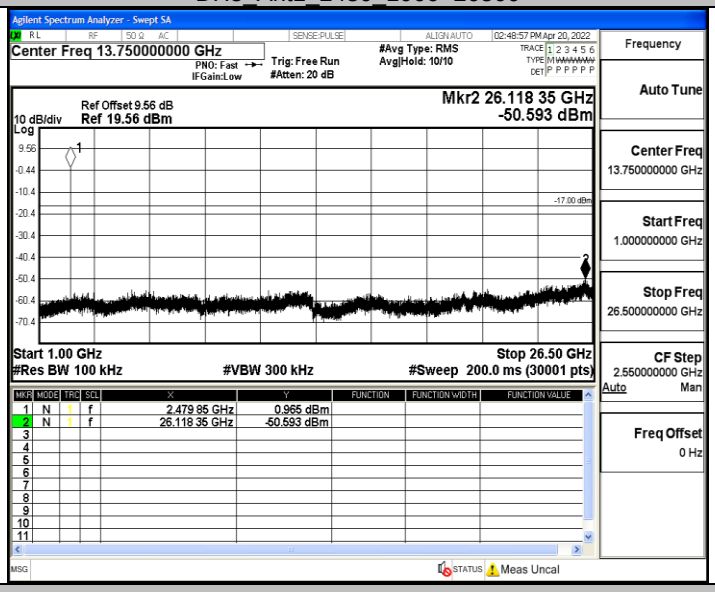
DH5_Ant1_2480_0~Reference



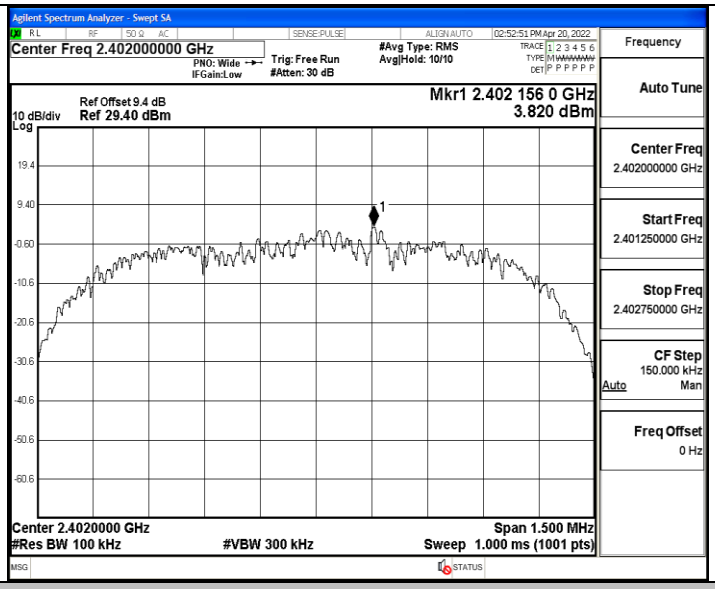
DH5_Ant1_2480_30~1000



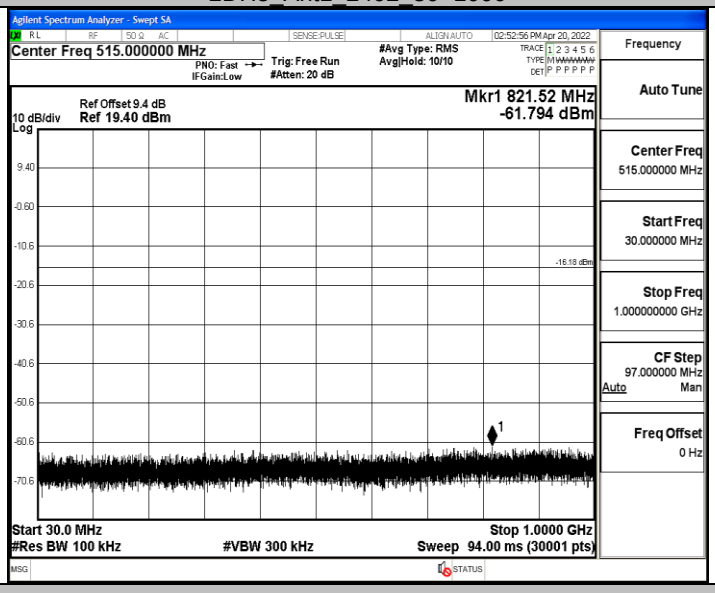
DH5_Ant1_2480_1000~26500



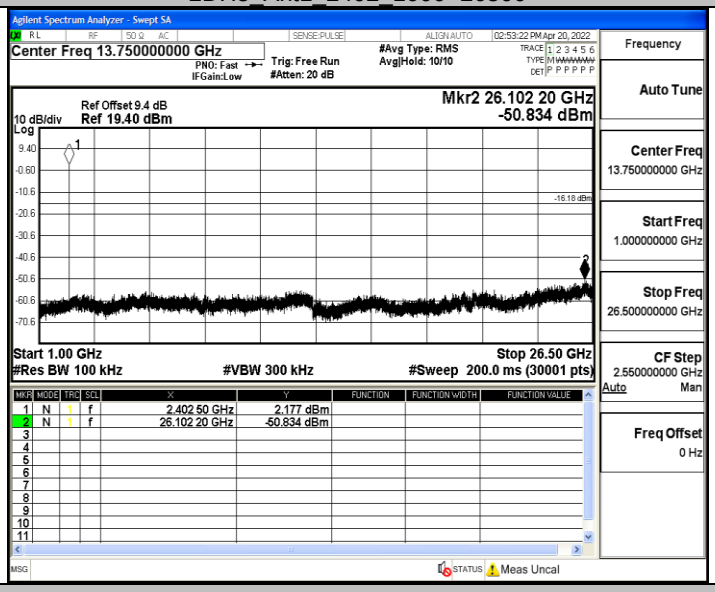
2DH5_Ant1_2402_0~Reference



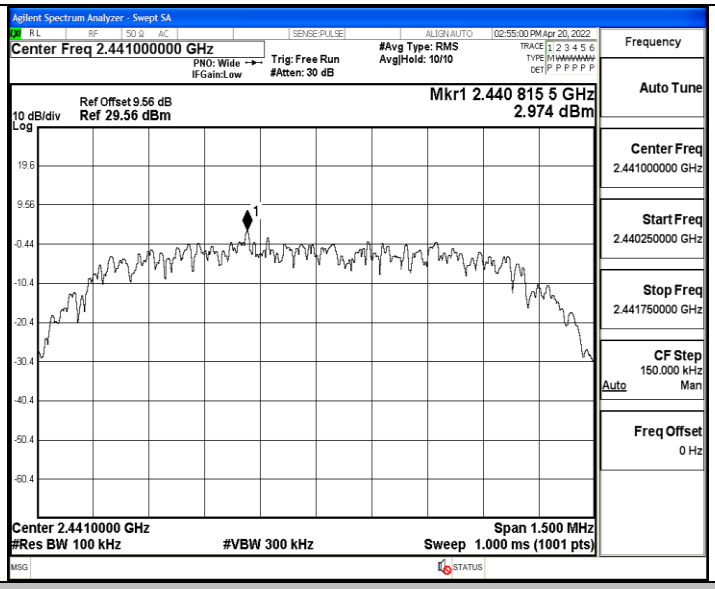
2DH5_Ant1_2402_30~1000



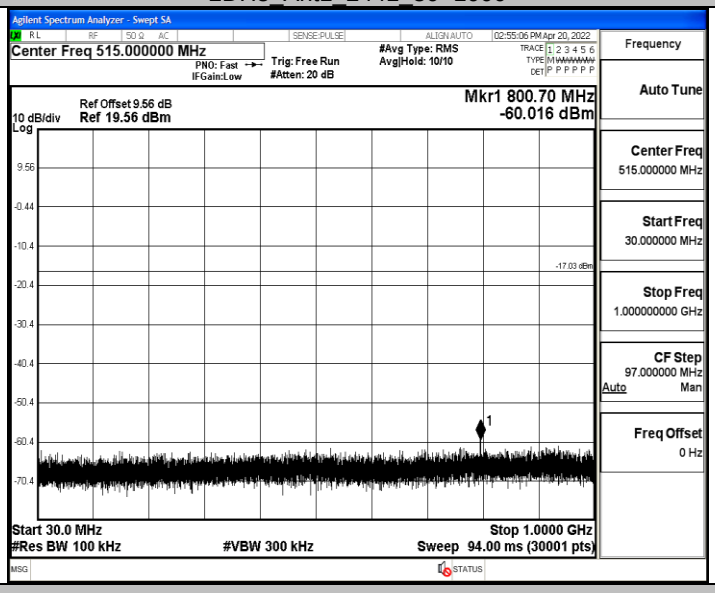
2DH5_Ant1_2402_1000~26500



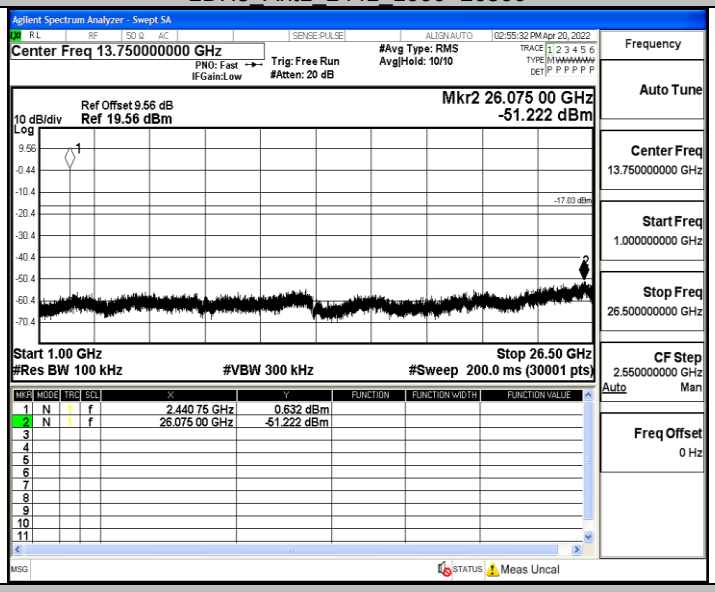
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



2DH5_Ant1_2441_1000~26500



2DH5_Ant1_2480_0~Reference