

Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)**Product Name: NucBox7****Trade Mark: GMKtec****Test Model: KB7****FCC ID: 2AXUD-KB7****Environmental Conditions**

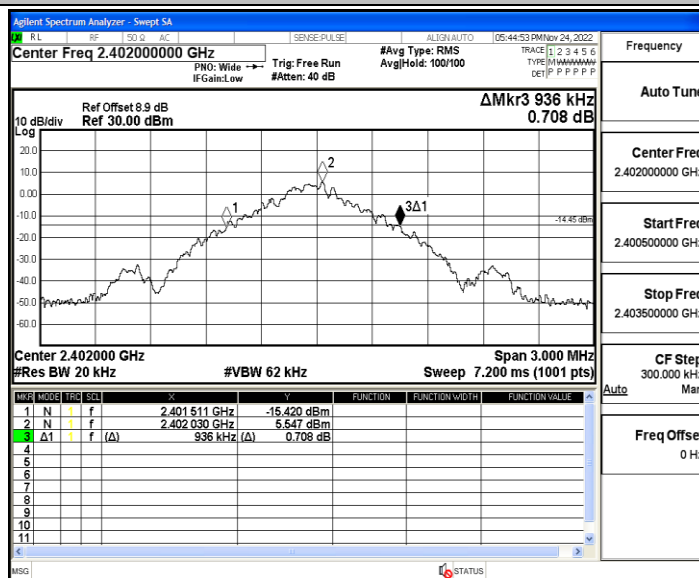
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

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

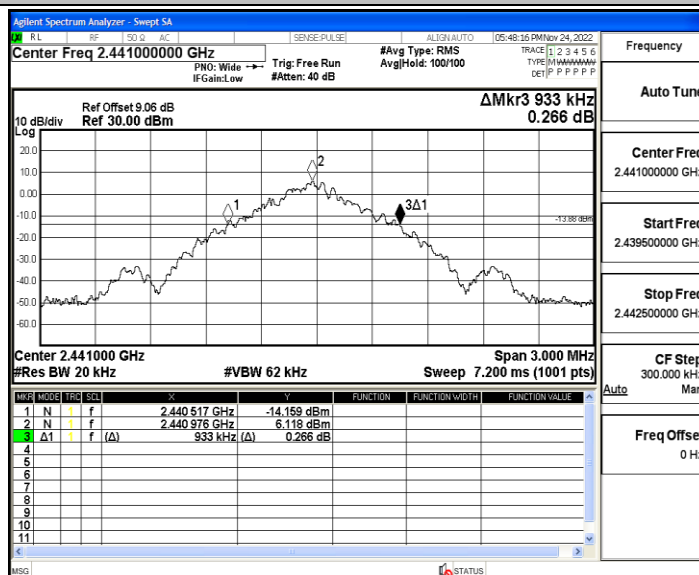
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant2	2402	0.936	2401.511	2402.447	---	---
		2441	0.933	2440.517	2441.450	---	---
		2480	0.945	2479.508	2480.453	---	---
2DH5	Ant2	2402	1.428	2401.244	2402.672	---	---
		2441	1.530	2440.205	2441.735	---	---
		2480	1.545	2479.199	2480.744	---	---
3DH5	Ant2	2402	1.539	2401.202	2402.741	---	---
		2441	1.404	2440.271	2441.675	---	---
		2480	1.494	2479.241	2480.735	---	---

Test Graphs

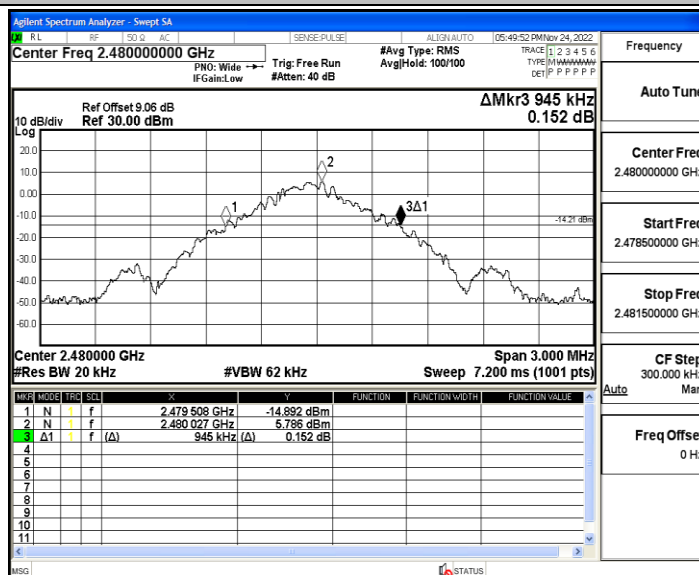
DH5_Ant2_2402



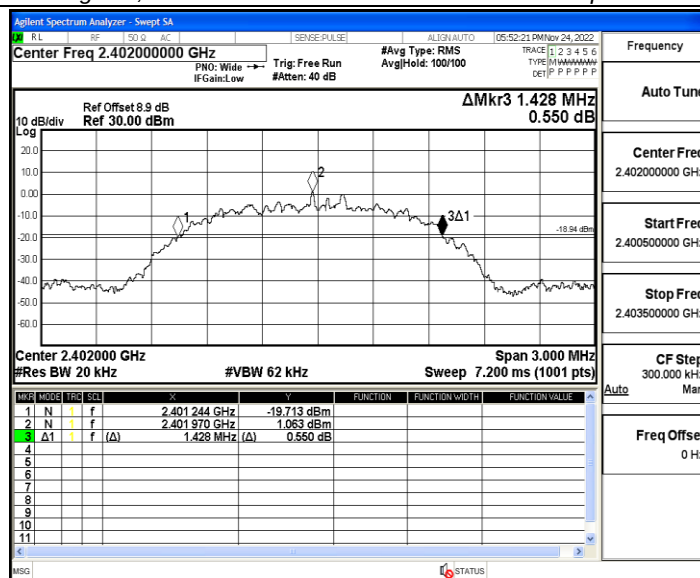
DH5_Ant2_2441



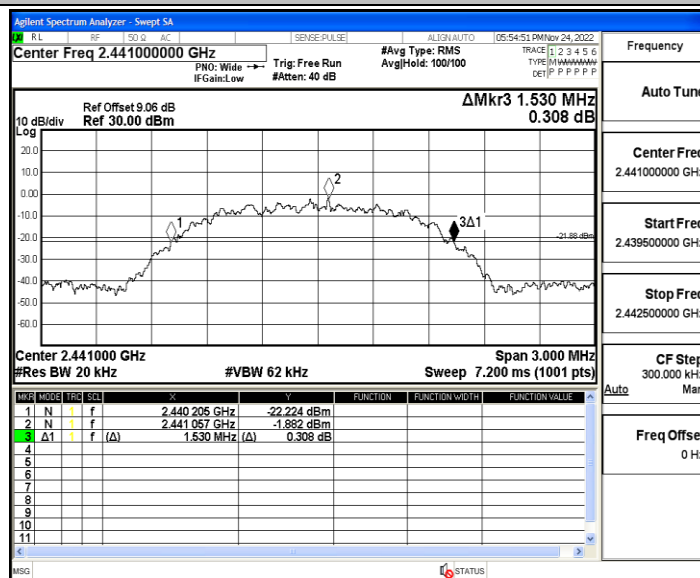
DH5_Ant2_2480



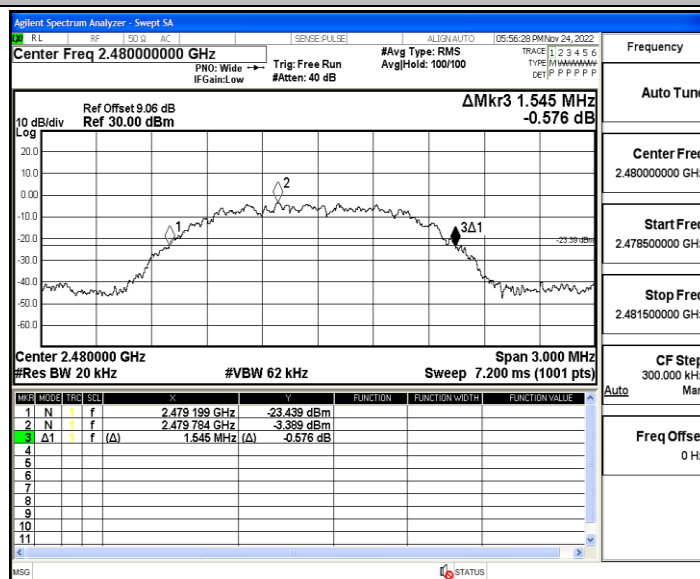
2DH5_Ant2_2402



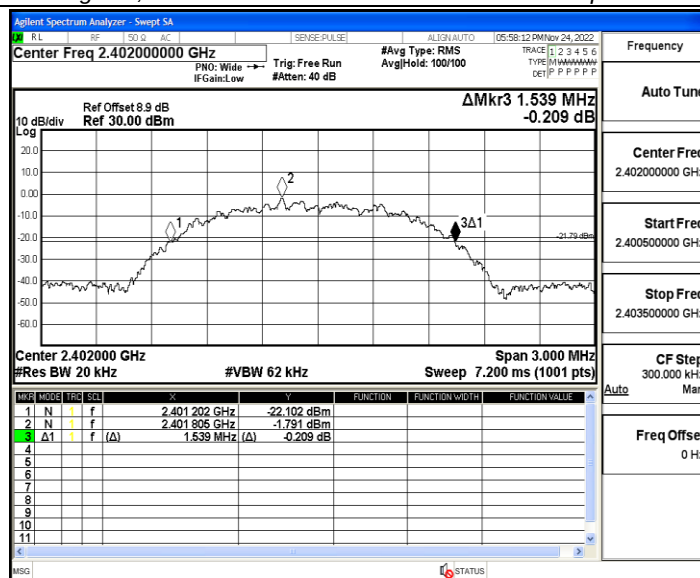
2DH5_Ant2_2441



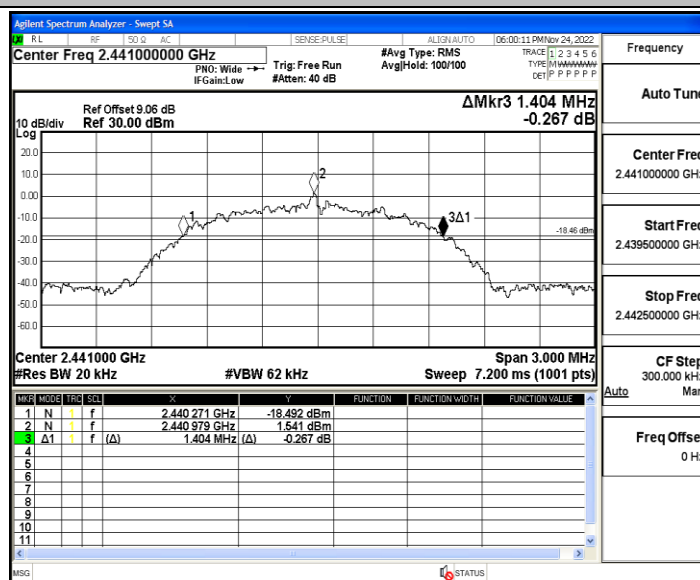
2DH5_Ant2_2480



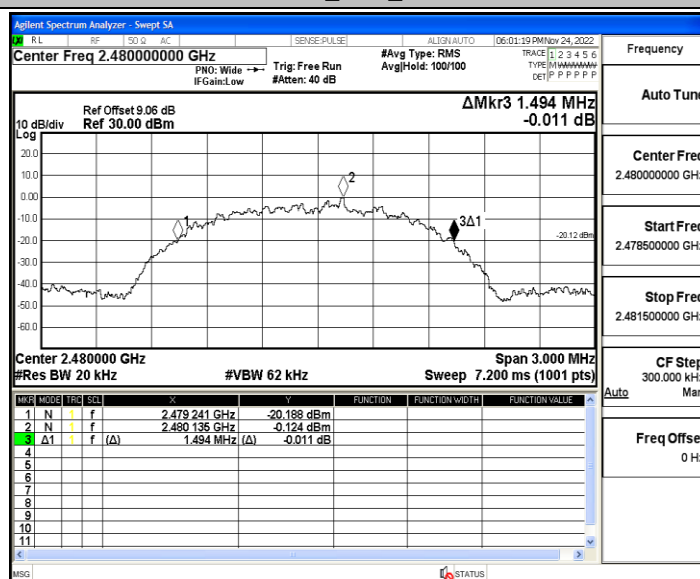
3DH5_Ant2_2402



3DH5_Ant2_2441



3DH5_Ant2_2480



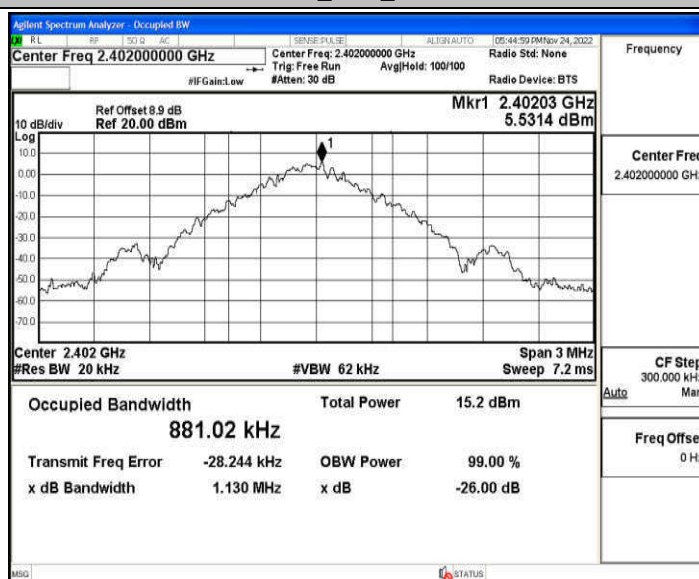
Appendix B: Occupied Channel Bandwidth

Test Result

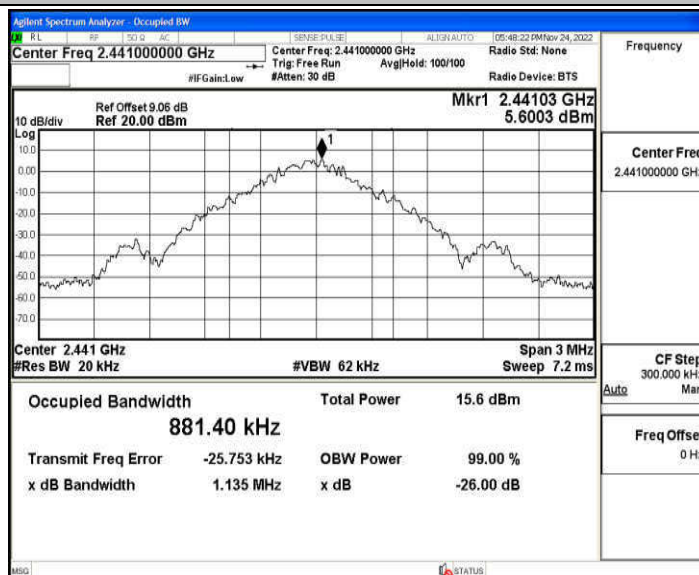
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant2	2402	0.88102	2401.5313	2402.4123	---	---
		2441	0.88140	2440.5336	2441.4150	---	---
		2480	0.87003	2479.5337	2480.4037	---	---
2DH5	Ant2	2402	1.3597	2401.2874	2402.6471	---	---
		2441	1.3604	2440.2899	2441.6503	---	---
		2480	1.3586	2479.2867	2480.6453	---	---
3DH5	Ant2	2402	1.3661	2401.2908	2402.6569	---	---
		2441	1.3622	2440.2934	2441.6556	---	---
		2480	1.3597	2479.2914	2480.6511	---	---

Test Graphs

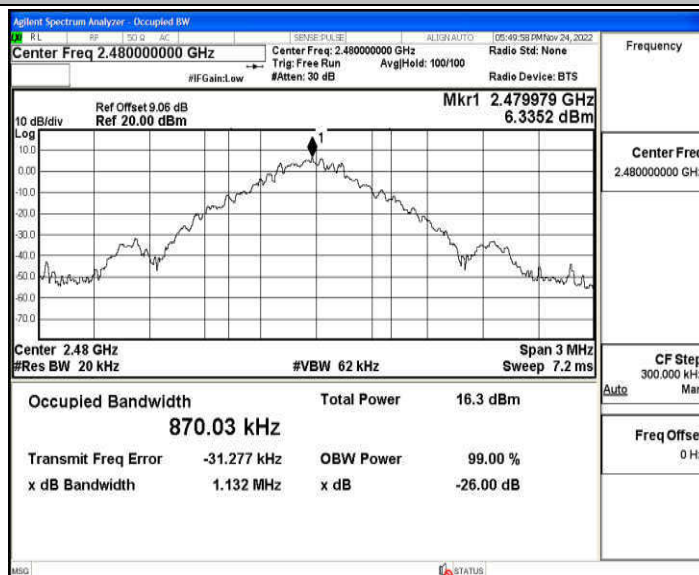
DH5_Ant2_2402



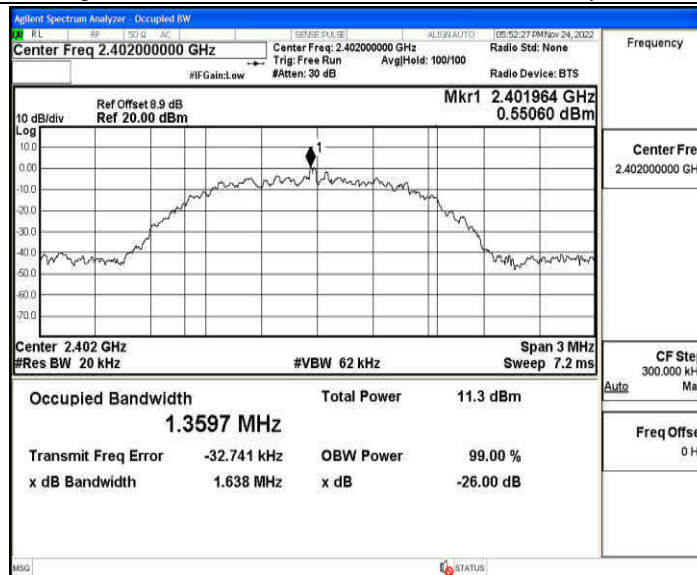
DH5_Ant2_2441



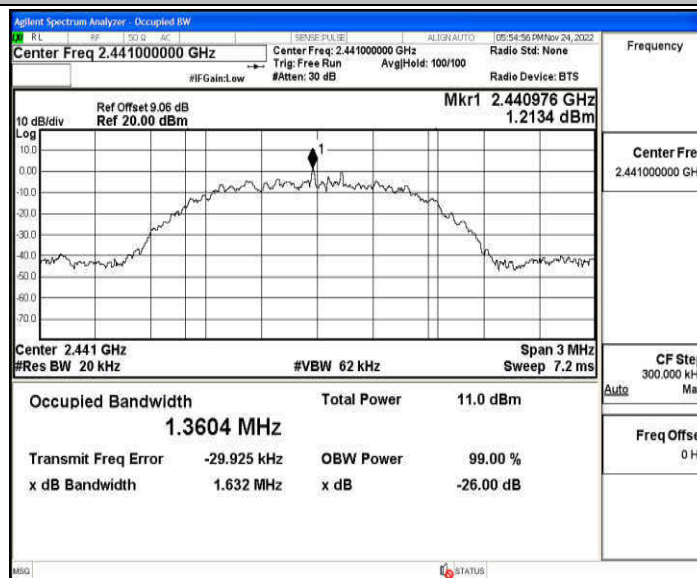
DH5_Ant2_2480



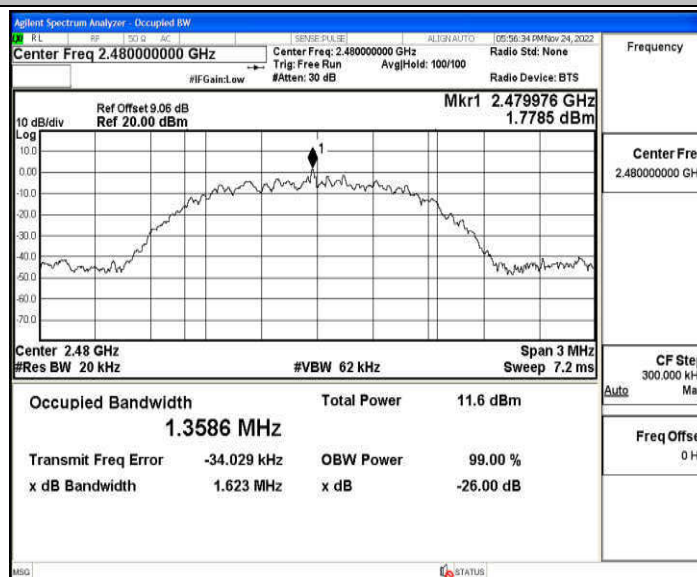
2DH5_Ant2_2402



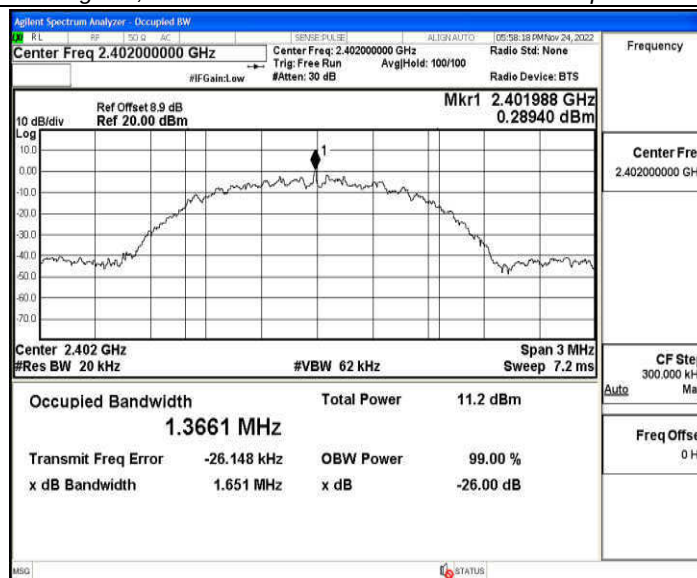
2DH5_Ant2_2441



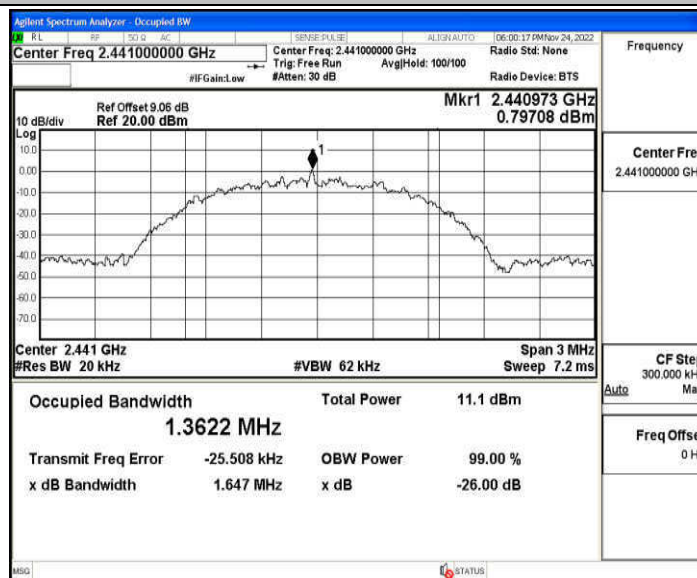
2DH5_Ant2_2480



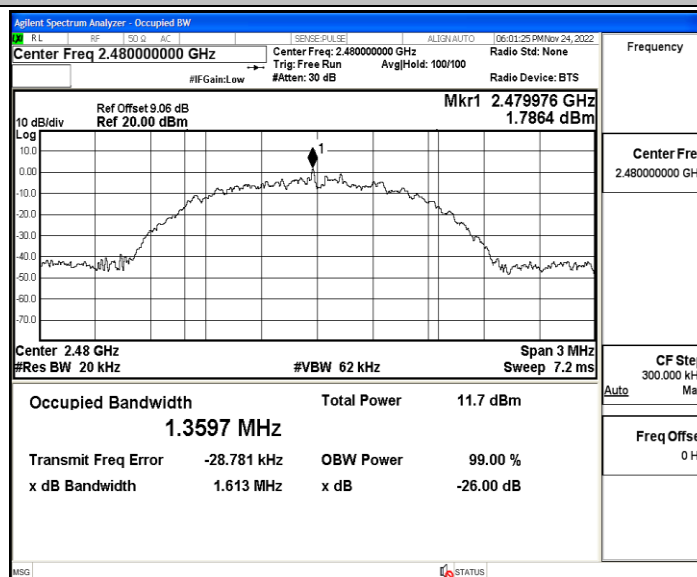
3DH5_Ant2_2402



3DH5_Ant2_2441



3DH5_Ant2_2480



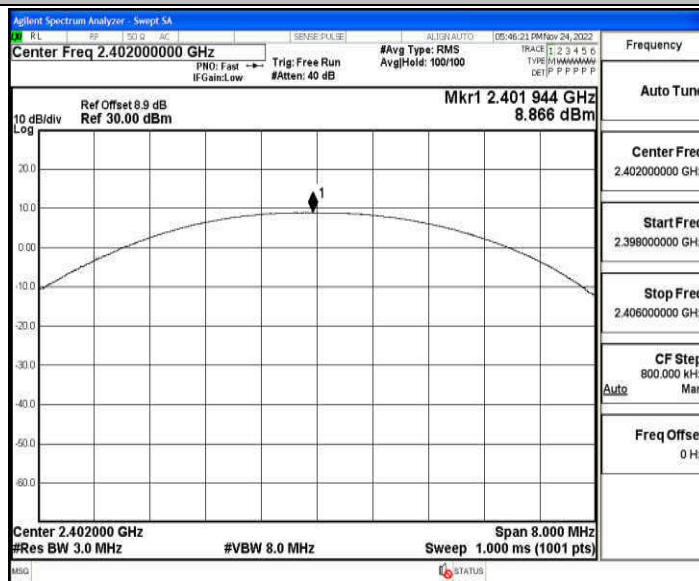
Appendix C: Maximum Peak conducted output power

Test Result

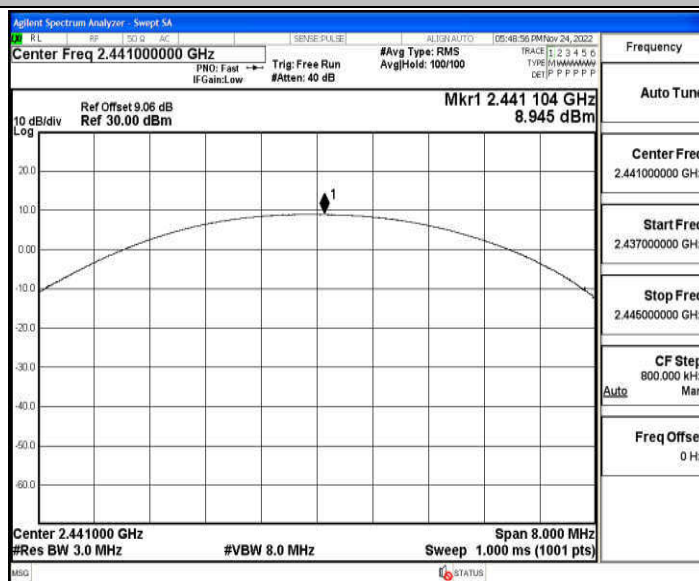
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant2	2402	8.87	≤20.97	PASS
		2441	8.95	≤20.97	PASS
		2480	9.33	≤20.97	PASS
2DH5	Ant2	2402	6.49	≤20.97	PASS
		2441	6.31	≤20.97	PASS
		2480	6.76	≤20.97	PASS
3DH5	Ant2	2402	6.67	≤20.97	PASS
		2441	6.48	≤20.97	PASS
		2480	6.92	≤20.97	PASS

Test Graphs

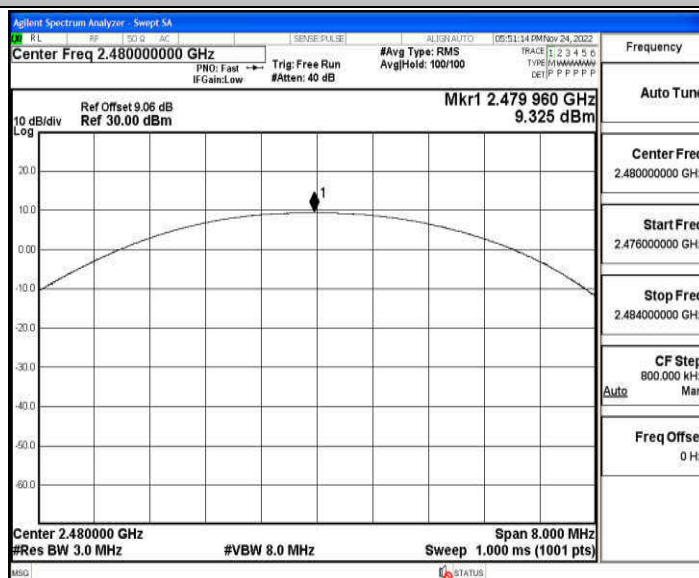
DH5_Ant2_2402



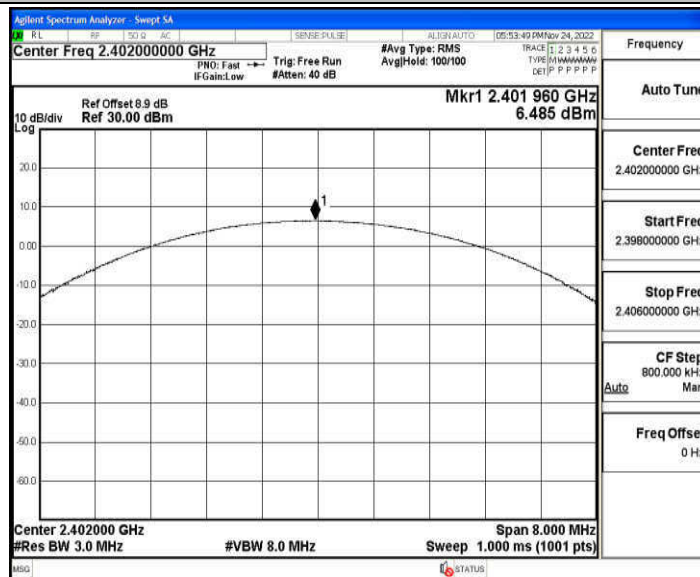
DH5_Ant2_2441



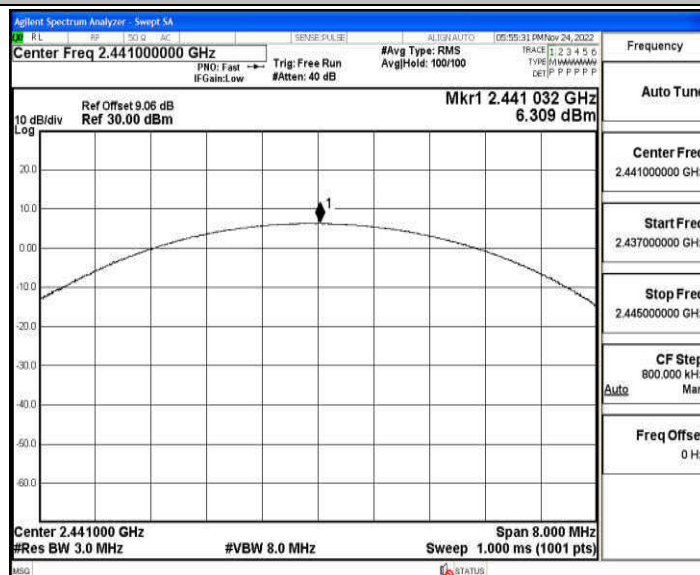
DH5_Ant2_2480



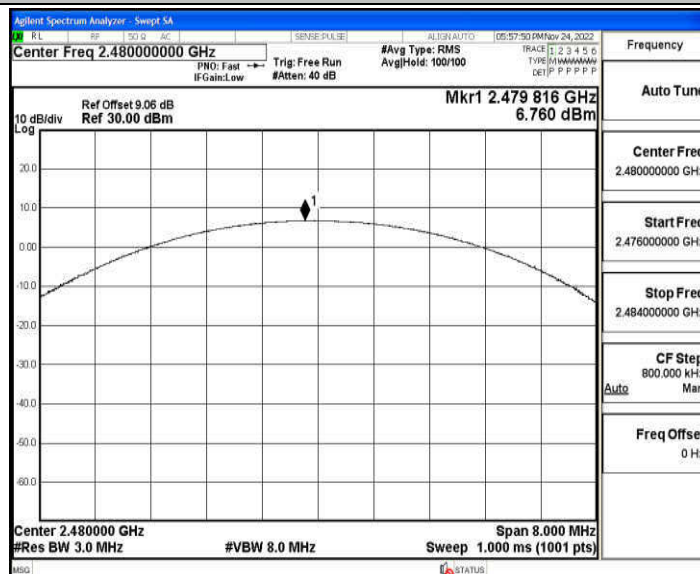
2DH5_Ant2_2402



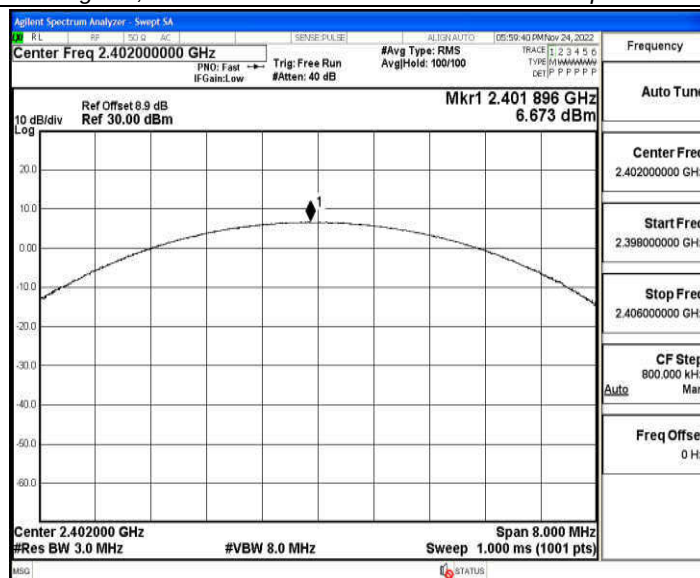
2DH5_Ant2_2441



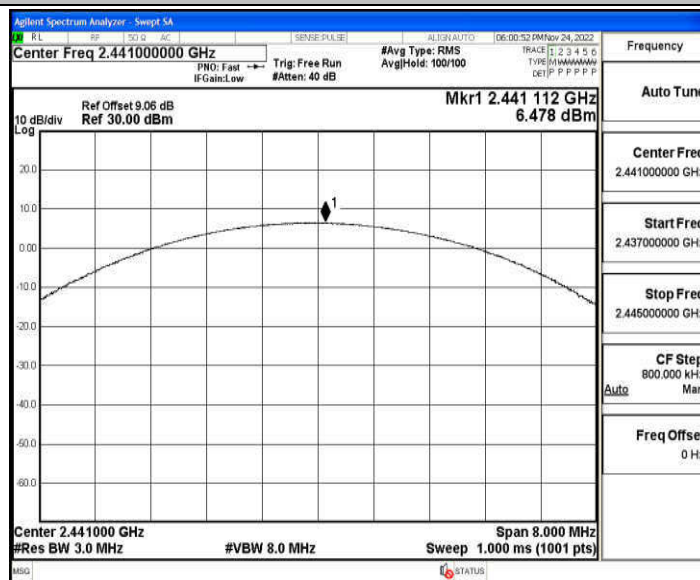
2DH5_Ant2_2480



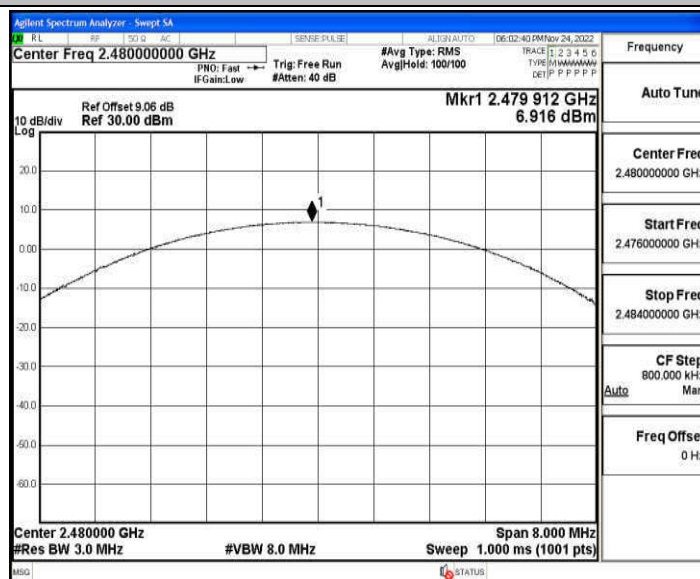
3DH5_Ant2_2402



3DH5_Ant2_2441



3DH5_Ant2_2480



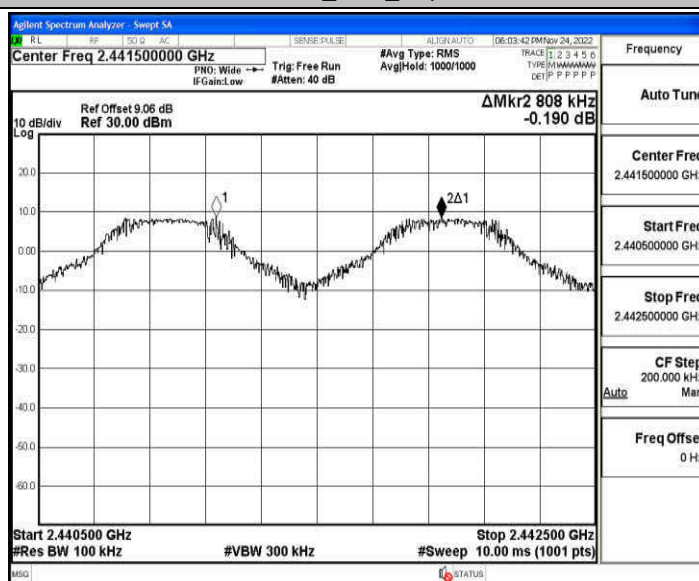
Appendix D: Carrier frequency separation

Test Result

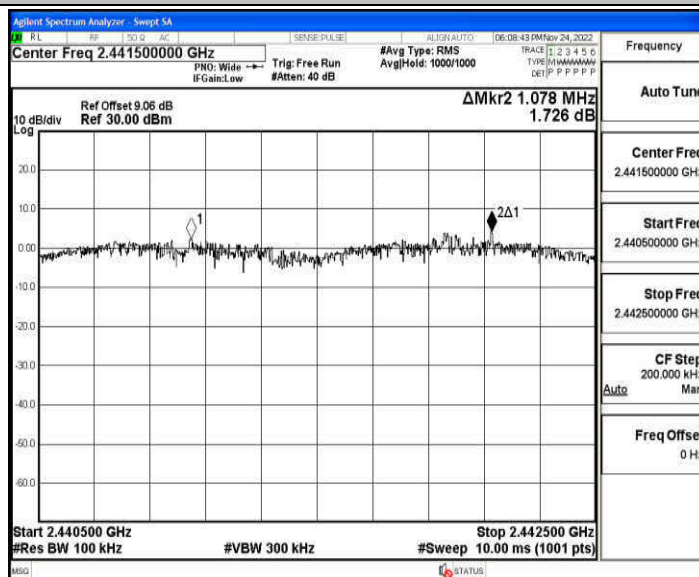
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant2	Hop	0.808	≥ 0.630	PASS
2DH5	Ant2	Hop	1.078	≥ 1.030	PASS
3DH5	Ant2	Hop	1.166	≥ 1.026	PASS

Test Graphs

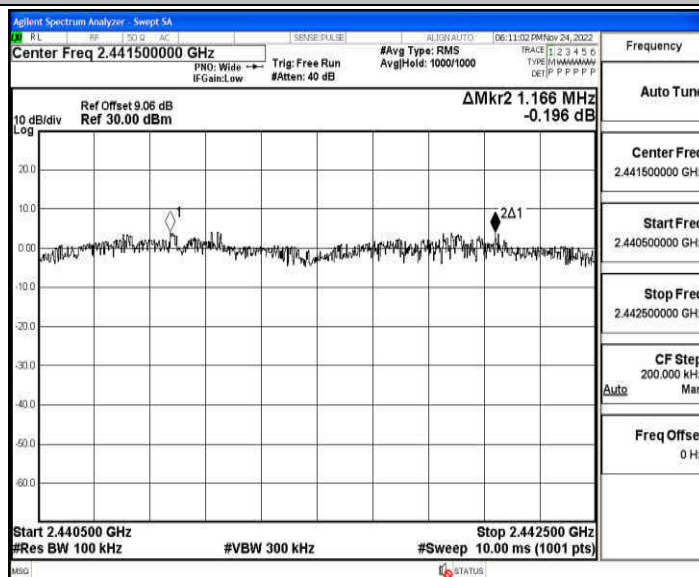
DH5_Ant2_Hop



2DH5_Ant2_Hop



3DH5_Ant2_Hop

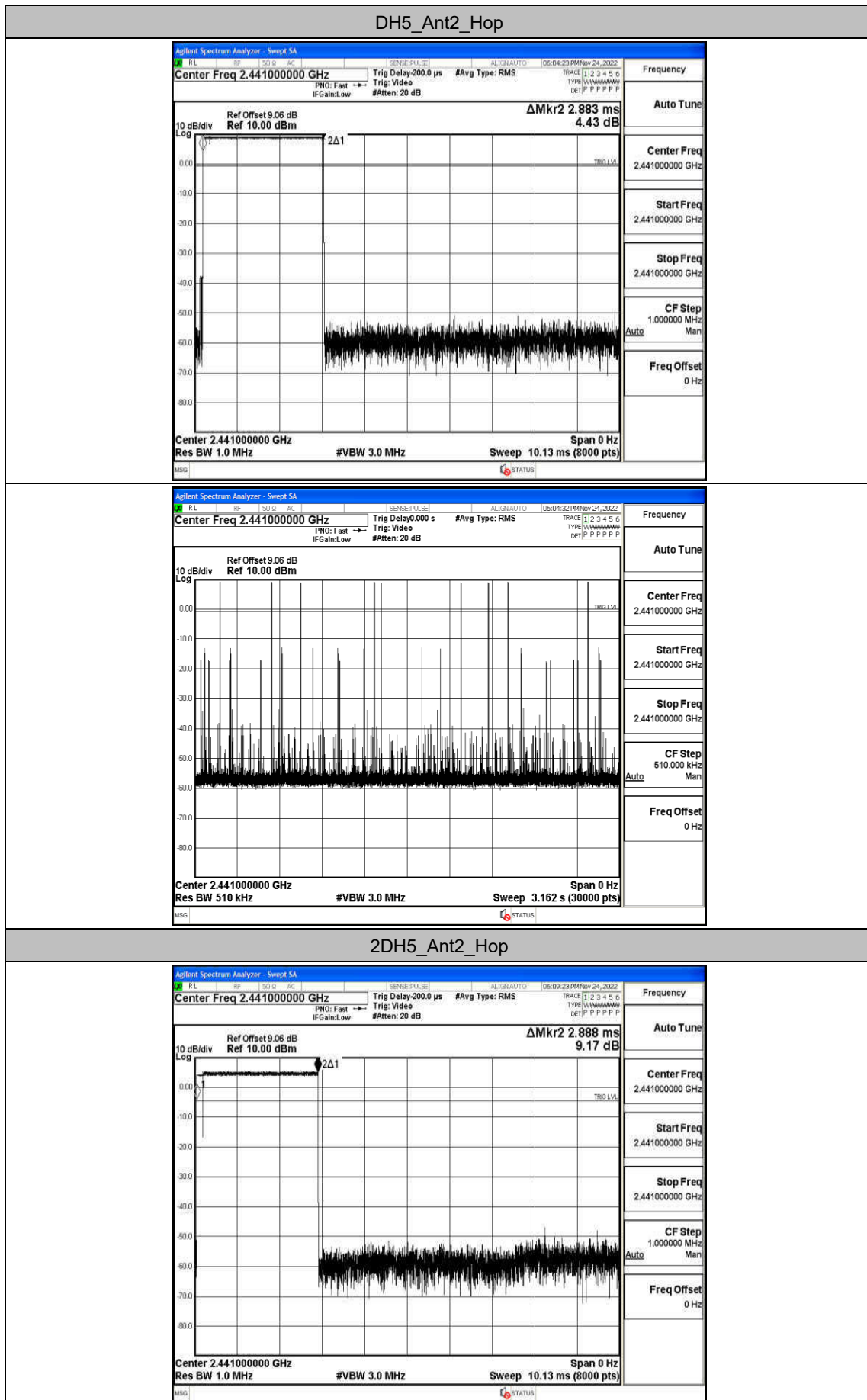


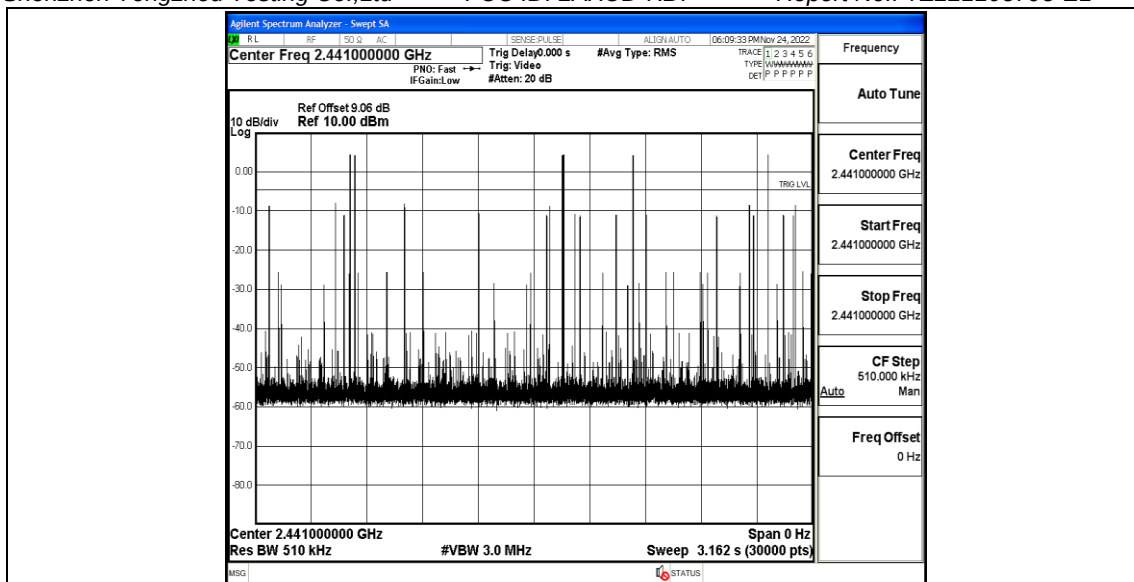
Appendix E: Time of occupancy

Test Result

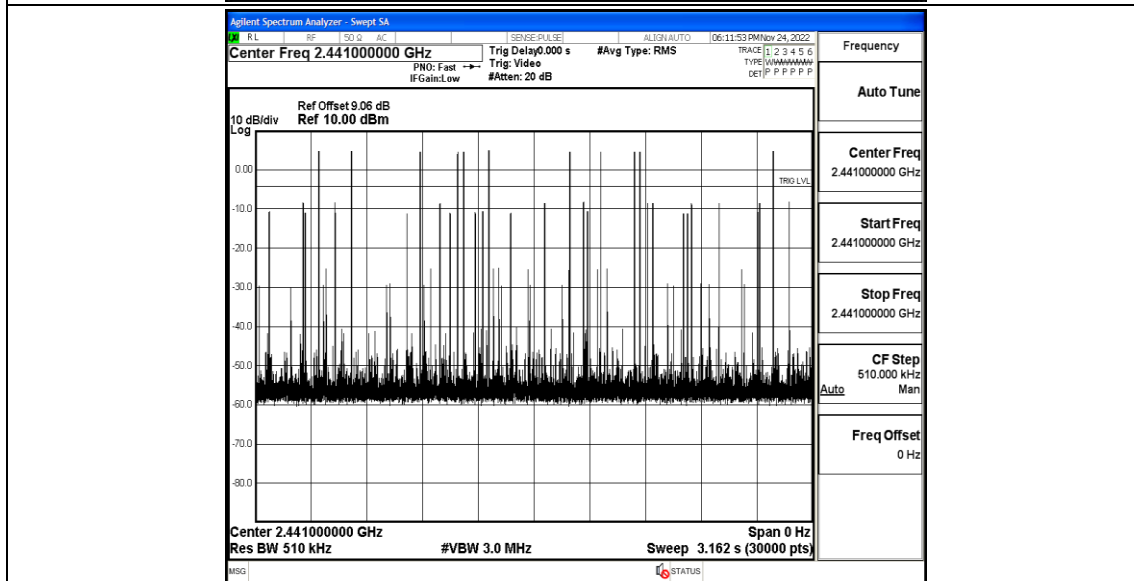
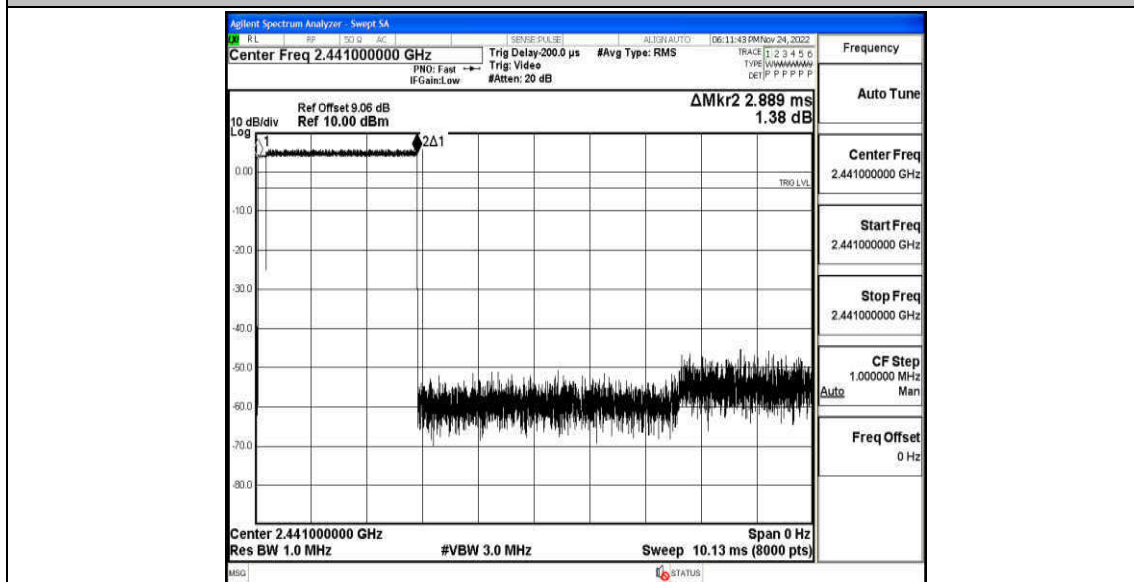
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant2	Hop	2.883	100	0.288	≤0.4	PASS
2DH5	Ant2	Hop	2.888	70	0.202	≤0.4	PASS
3DH5	Ant2	Hop	2.889	120	0.347	≤0.4	PASS

Test Graphs





3DH5_Ant2_Hop

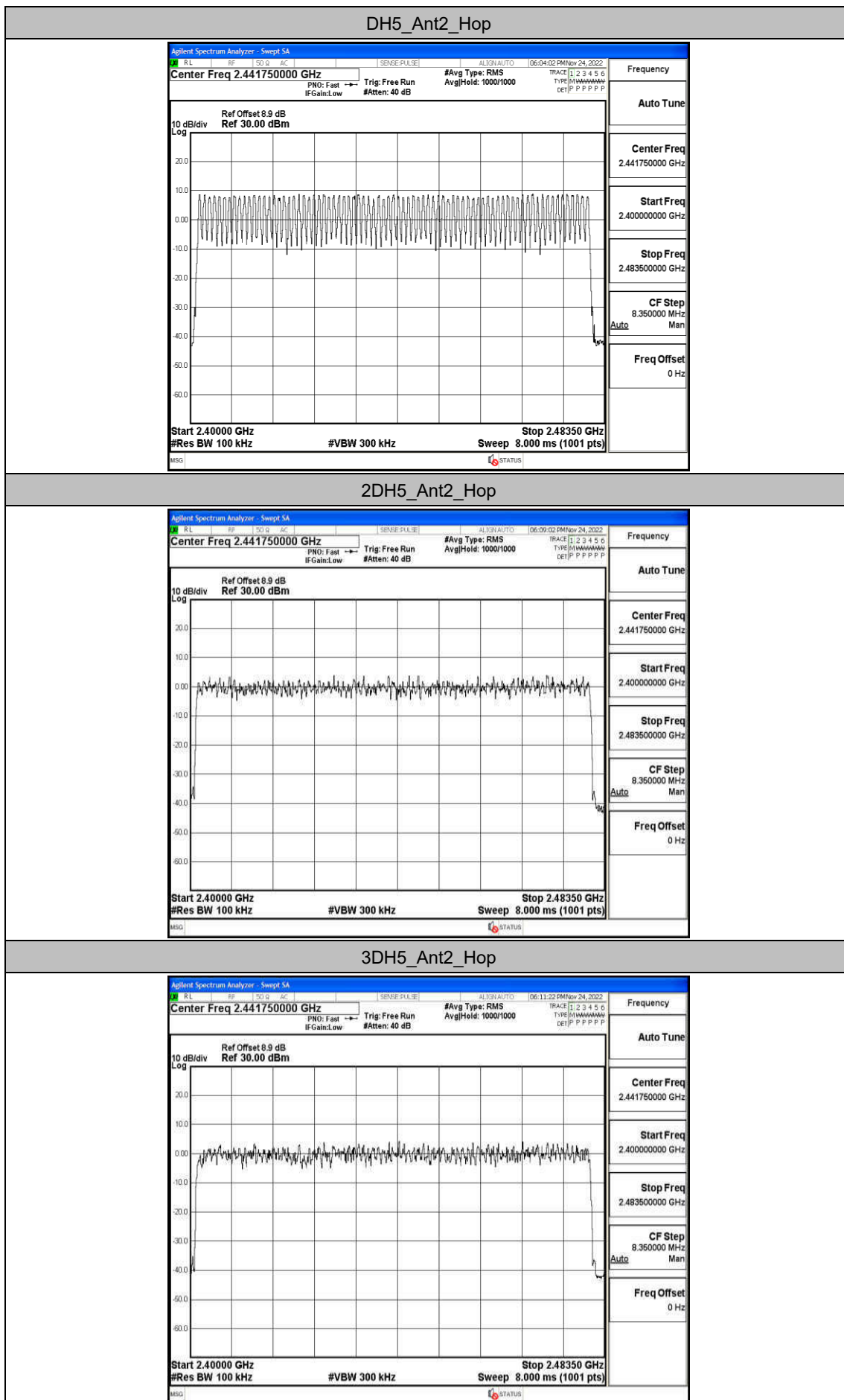


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant2	Hop	79	≥15	PASS
2DH5	Ant2	Hop	79	≥15	PASS
3DH5	Ant2	Hop	79	≥15	PASS

Test Graphs



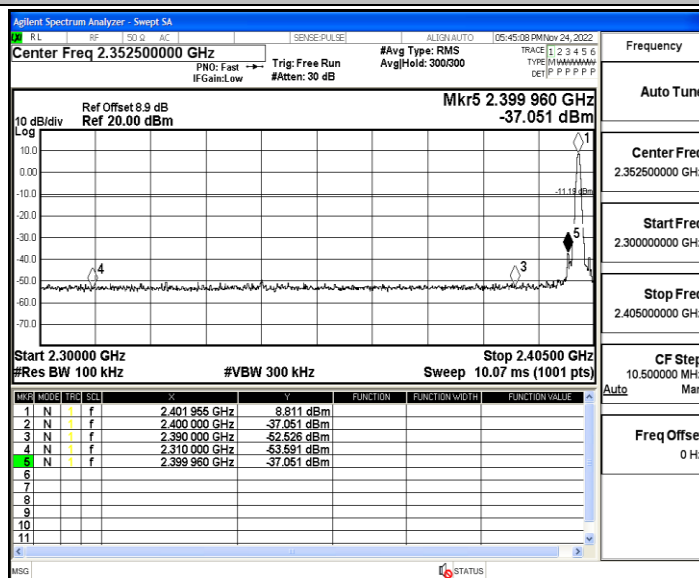
Appendix G: Band edge measurements

Test Result

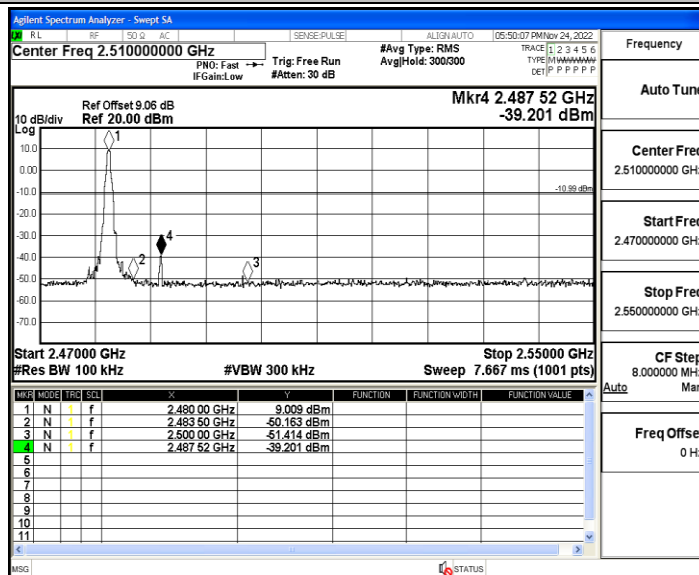
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant2	Low	2402	8.81	-37.05	≤-11.19	PASS
		High	2480	9.01	-39.2	≤-10.99	PASS
		Low	Hop_2402	8.16	-49.53	≤-11.84	PASS
		High	Hop_2480	9.27	-48.52	≤-10.73	PASS
2DH5	Ant2	Low	2402	3.98	-45.28	≤-16.02	PASS
		High	2480	3.59	-38.27	≤-16.41	PASS
		Low	Hop_2402	1.32	-49.38	≤-18.68	PASS
		High	Hop_2480	3.31	-49.32	≤-16.69	PASS
3DH5	Ant2	Low	2402	3.55	-41.08	≤-16.46	PASS
		High	2480	4.37	-49.35	≤-15.63	PASS
		Low	Hop_2402	1.35	-50.12	≤-18.65	PASS
		High	Hop_2480	3.94	-49.17	≤-16.06	PASS

Test Graphs

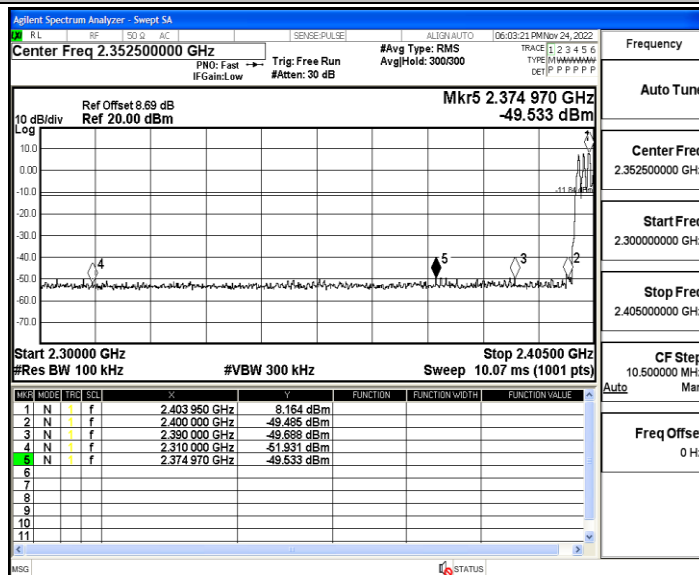
DH5_Ant2_Low_2402



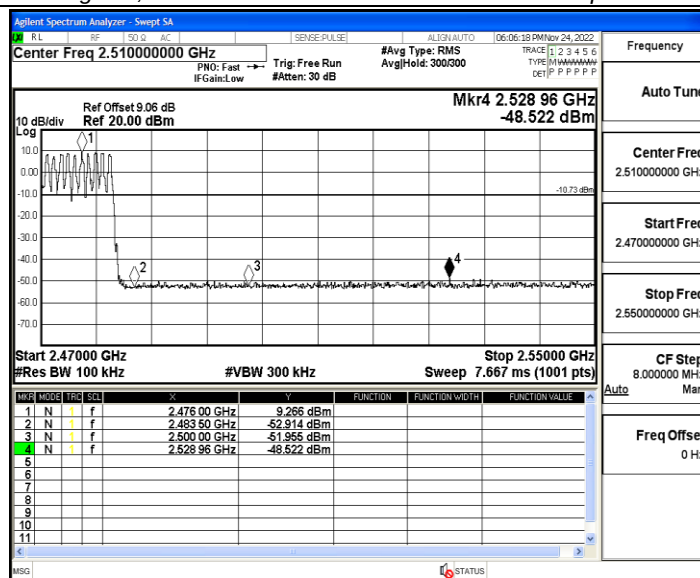
DH5_Ant2_High_2480



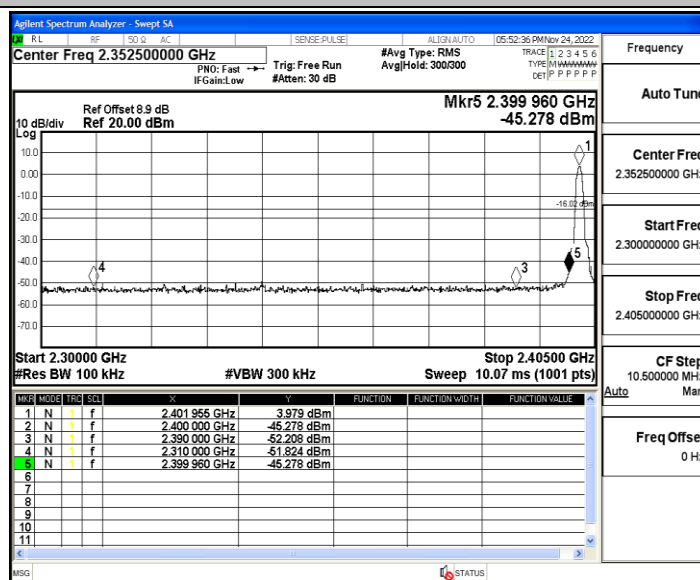
DH5_Ant2_Low_Hop_2402



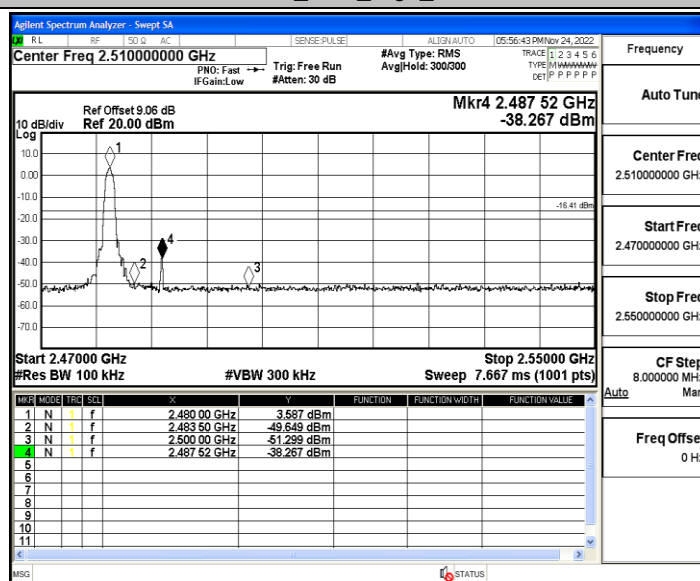
DH5_Ant2_High_Hop_2480



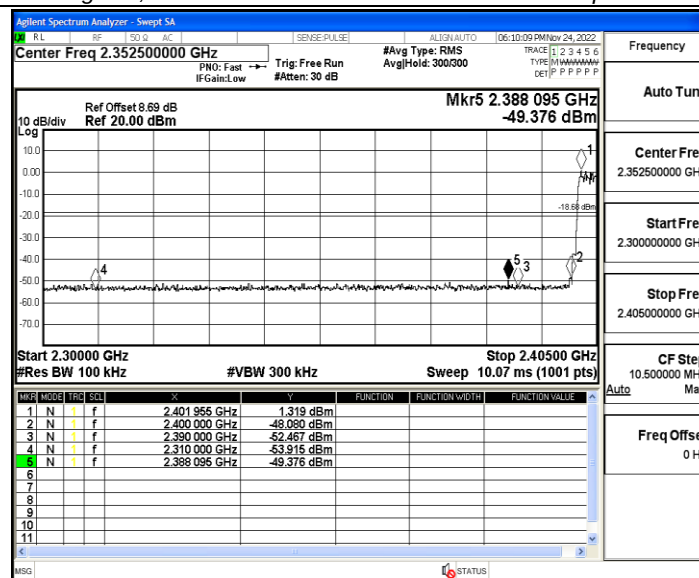
2DH5_Ant2_Low_2402



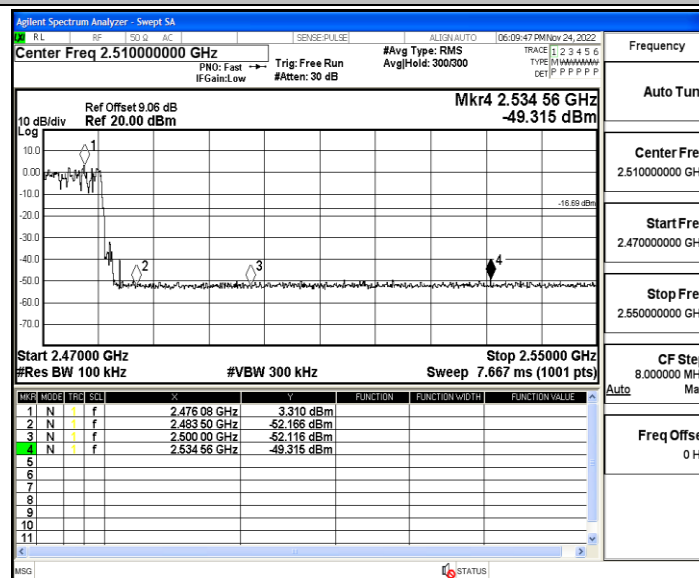
2DH5_Ant2_High_2480



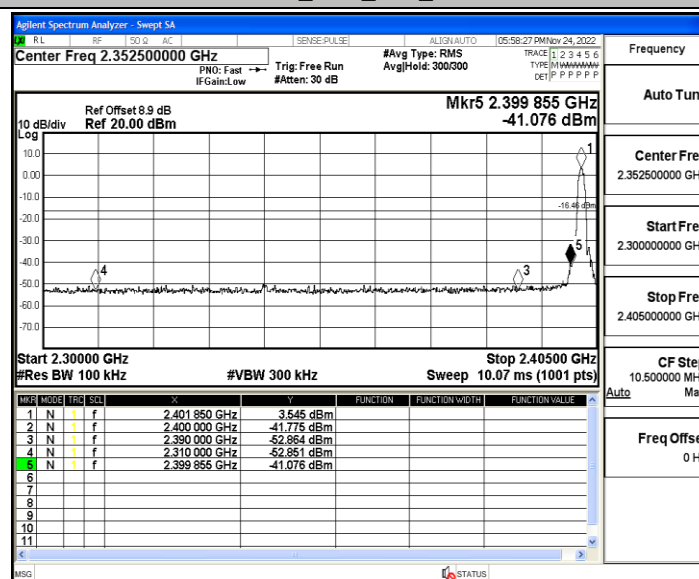
2DH5_Ant2_Low_Hop_2402



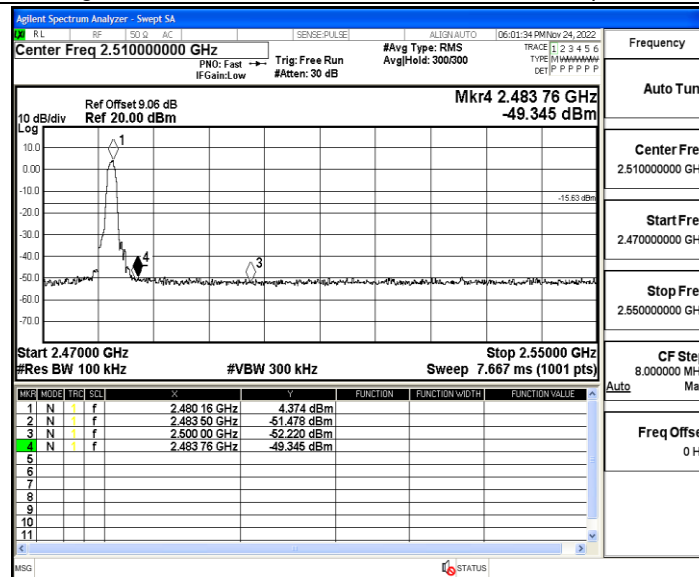
2DH5_Ant2_High_Hop_2480



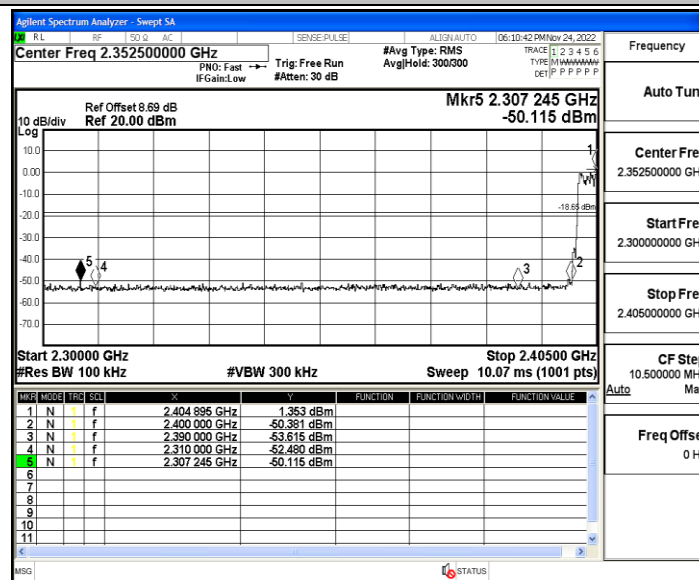
3DH5_Ant2_Low_2402



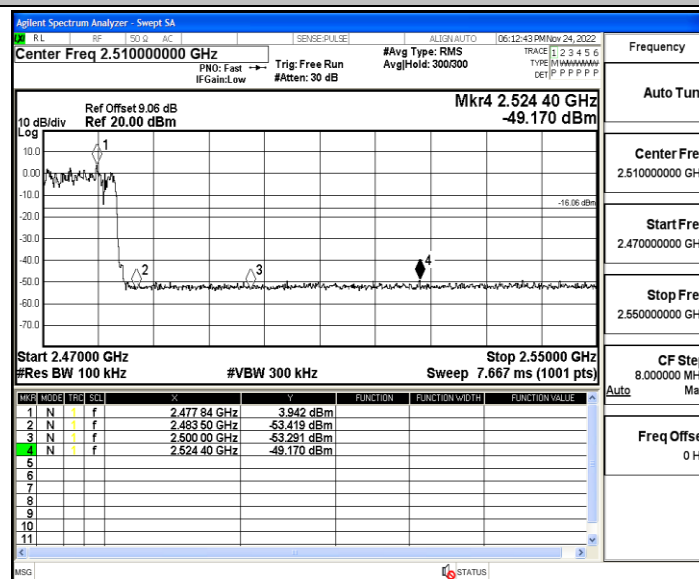
3DH5_Ant2_High_2480



3DH5_Ant2_Low_Hop_2402



3DH5_Ant2_High_Hop_2480



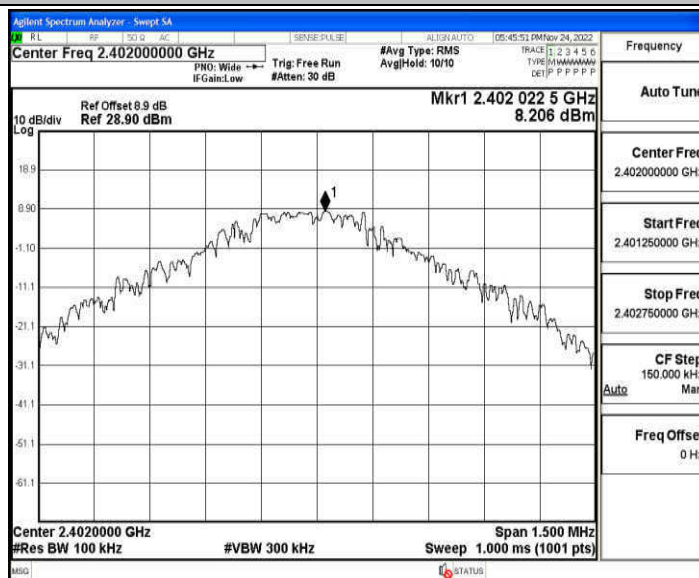
Appendix H: Conducted Spurious Emission

Test Result

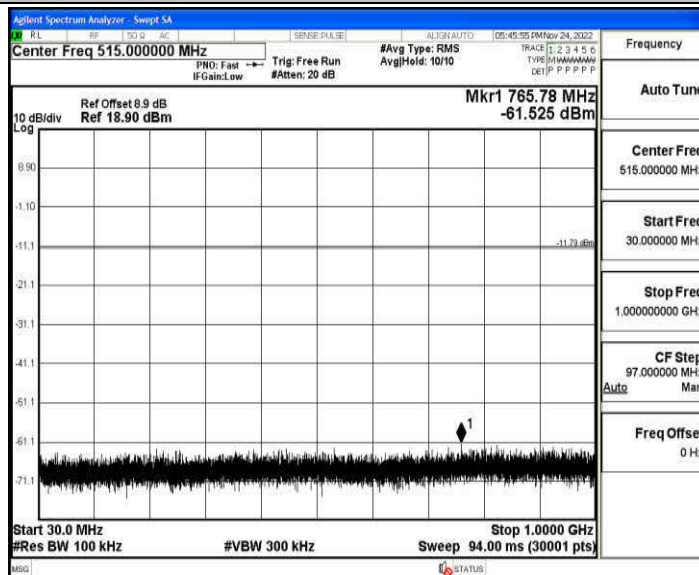
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant2	2402	Reference	8.21	8.21	---	PASS
			30~1000	8.21	-61.53	≤-11.79	PASS
			1000~26500	8.21	-52.14	≤-11.79	PASS
		2441	Reference	8.02	8.02	---	PASS
			30~1000	8.02	-61.42	≤-11.98	PASS
			1000~26500	8.02	-51.89	≤-11.98	PASS
		2480	Reference	8.67	8.67	---	PASS
			30~1000	8.67	-61.87	≤-11.33	PASS
			1000~26500	8.67	-51.02	≤-11.33	PASS
2DH5	Ant2	2402	Reference	2.00	2.00	---	PASS
			30~1000	2.00	-61.07	≤-18	PASS
			1000~26500	2.00	-52.22	≤-18	PASS
		2441	Reference	3.77	3.77	---	PASS
			30~1000	3.77	-60.34	≤-16.23	PASS
			1000~26500	3.77	-51.03	≤-16.23	PASS
		2480	Reference	1.88	1.88	---	PASS
			30~1000	1.88	-61.82	≤-18.12	PASS
			1000~26500	1.88	-51.41	≤-18.12	PASS
3DH5	Ant2	2402	Reference	4.10	4.10	---	PASS
			30~1000	4.10	-61.56	≤-15.9	PASS
			1000~26500	4.10	-51.74	≤-15.9	PASS
		2441	Reference	2.15	2.15	---	PASS
			30~1000	2.15	-60.05	≤-17.85	PASS
			1000~26500	2.15	-51.42	≤-17.85	PASS
		2480	Reference	2.56	2.56	---	PASS
			30~1000	2.56	-61.12	≤-17.44	PASS
			1000~26500	2.56	-52.18	≤-17.44	PASS

Test Graphs

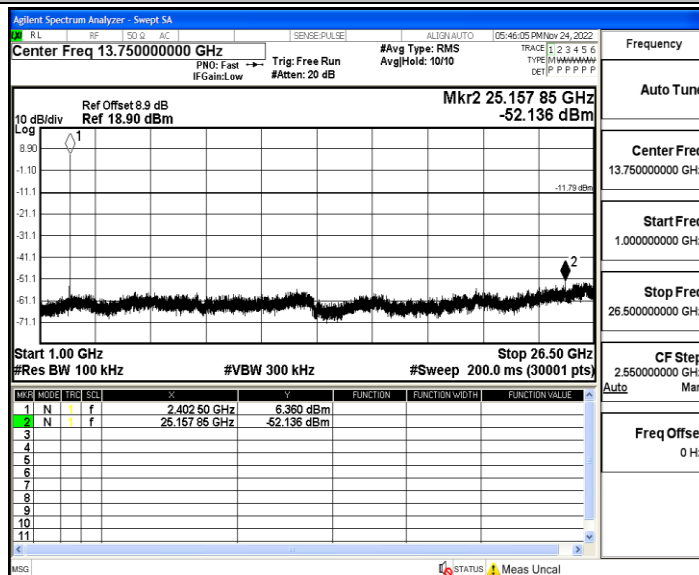
DH5_Ant2_2402_0~Reference



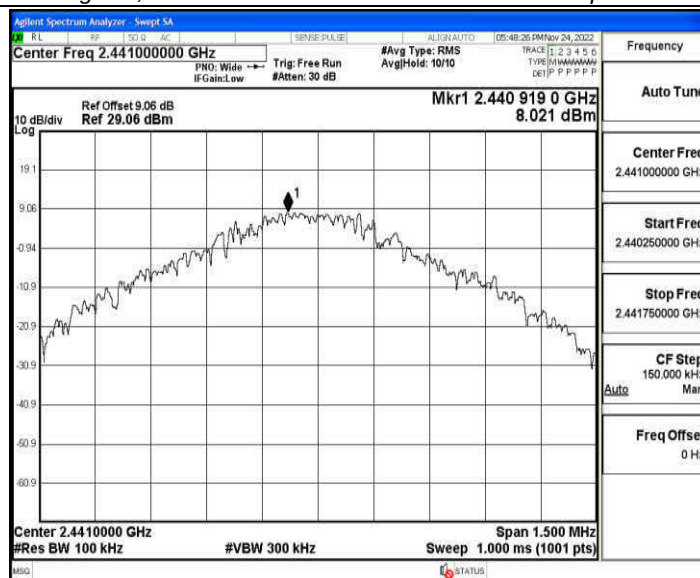
DH5_Ant2_2402_30~1000



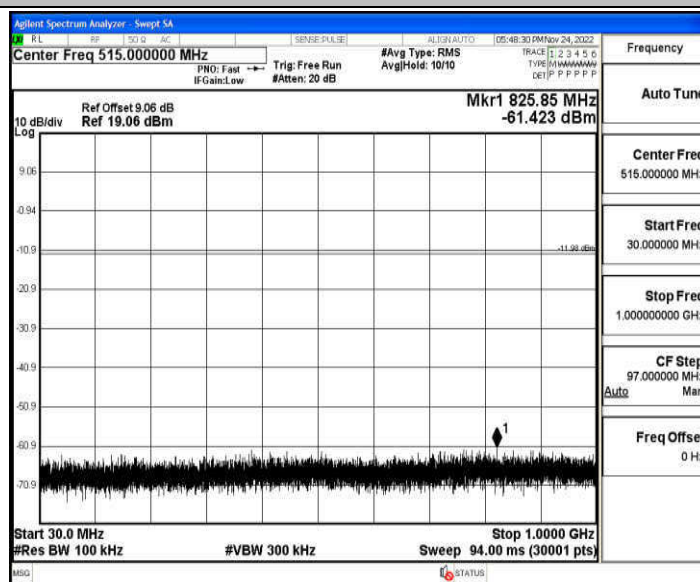
DH5_Ant2_2402_1000~26500



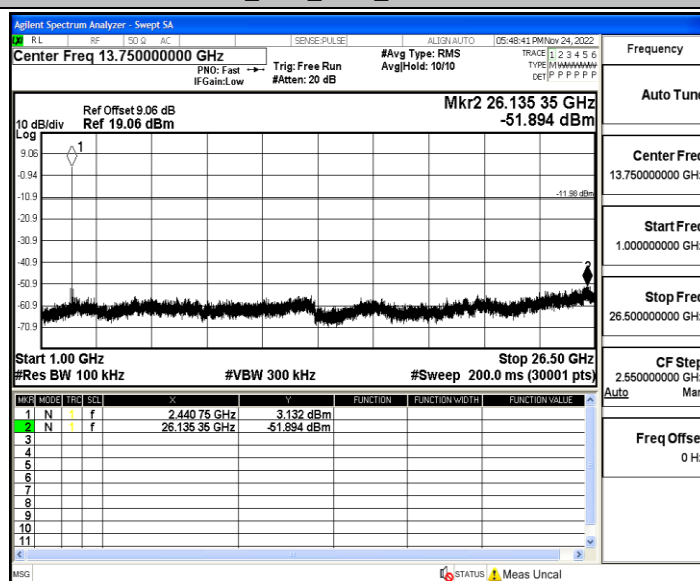
DH5_Ant2_2441_0~Reference



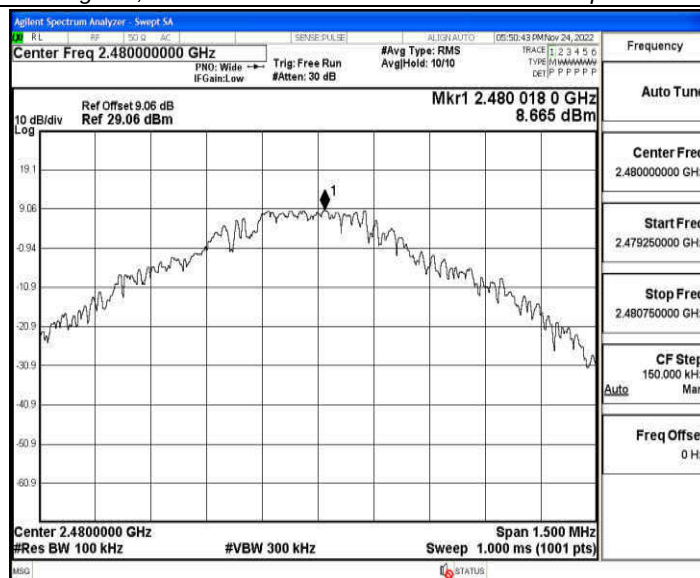
DH5_Ant2_2441_30~1000



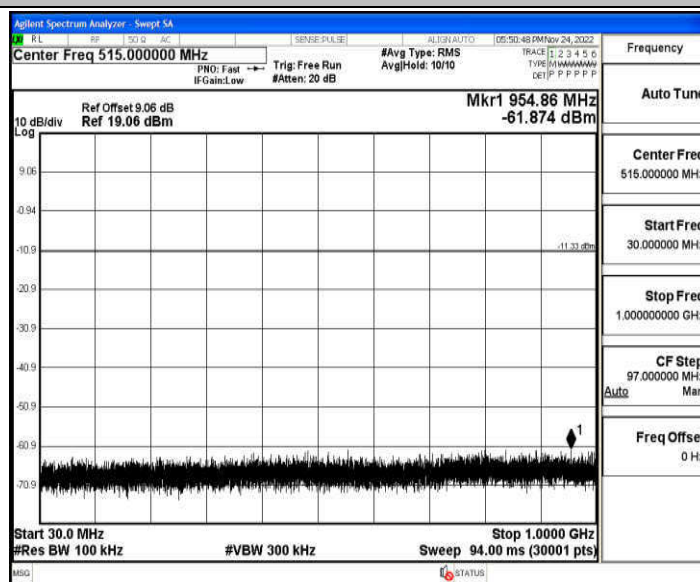
DH5_Ant2_2441_1000~26500



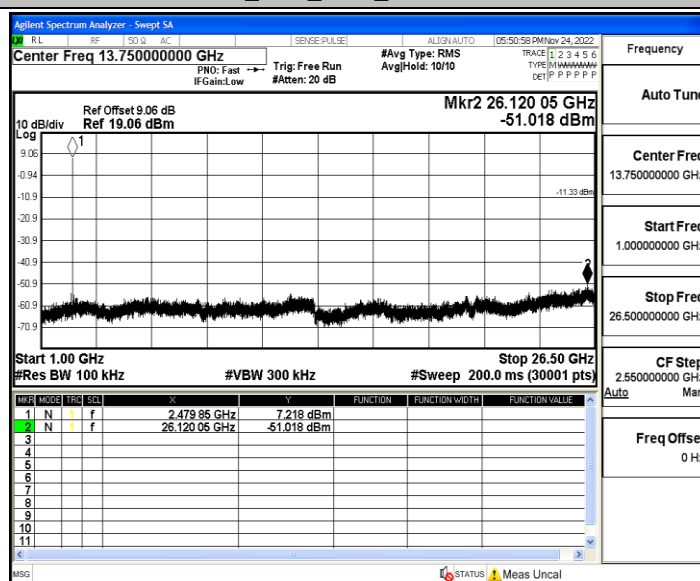
DH5_Ant2_2480_0~Reference



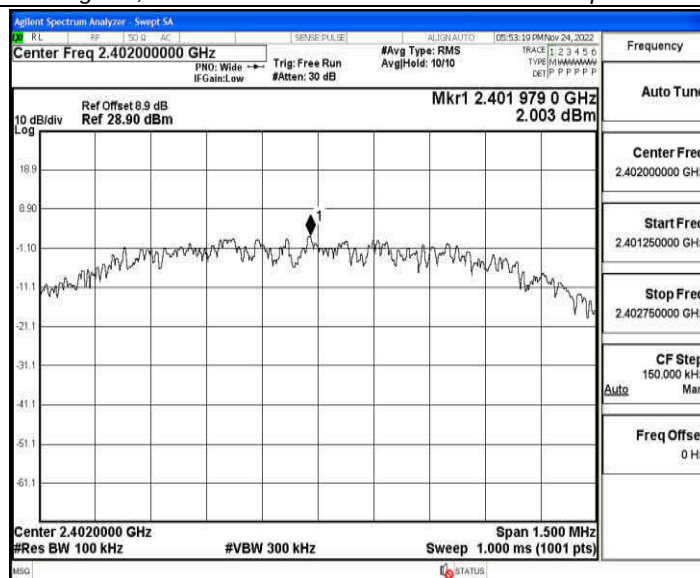
DH5_Ant2_2480_30~1000



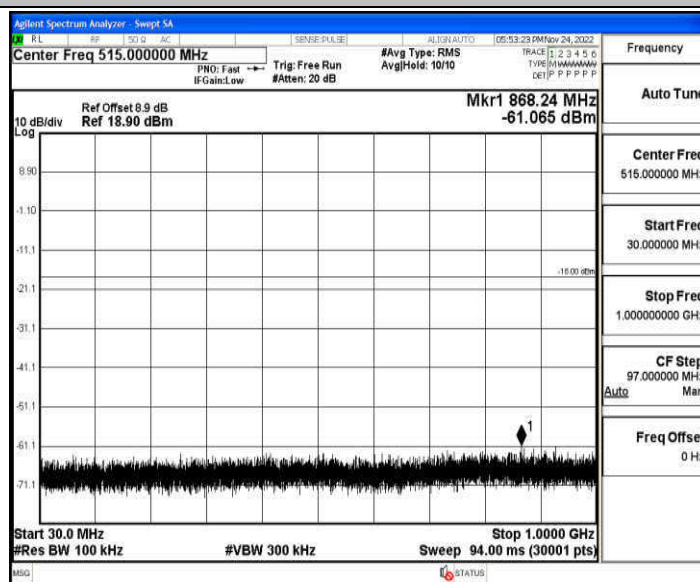
DH5_Ant2_2480_1000~26500



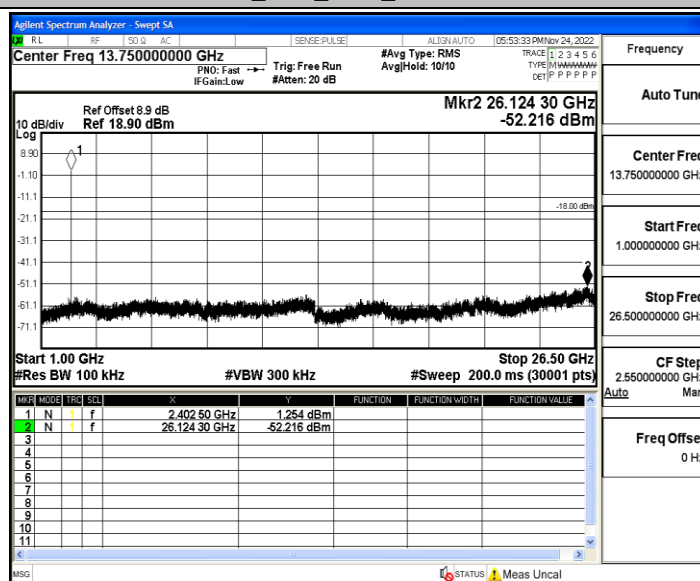
2DH5_Ant2_2402_0~Reference



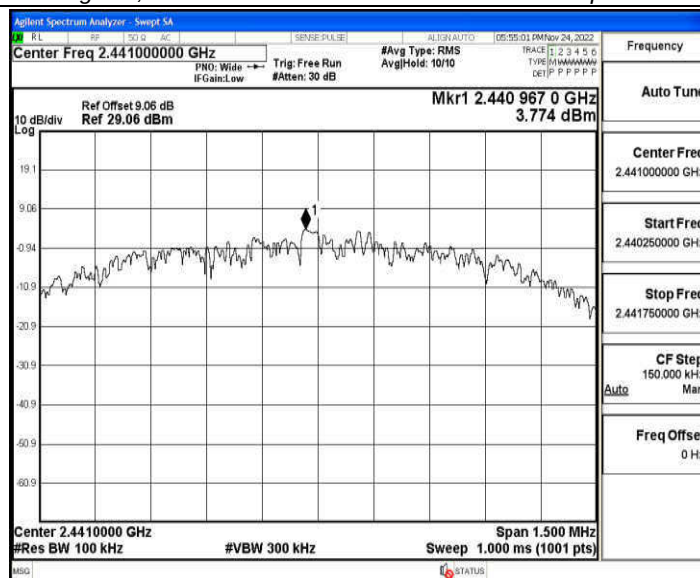
2DH5_Ant2_2402_30~1000



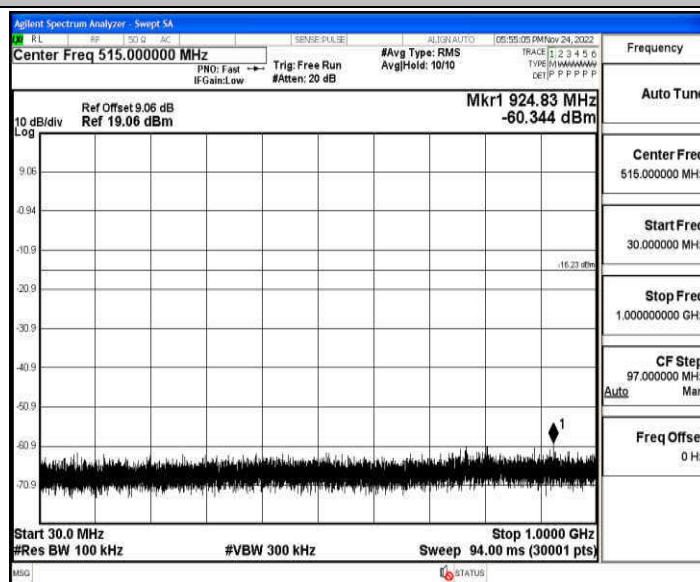
2DH5_Ant2_2402_1000~26500



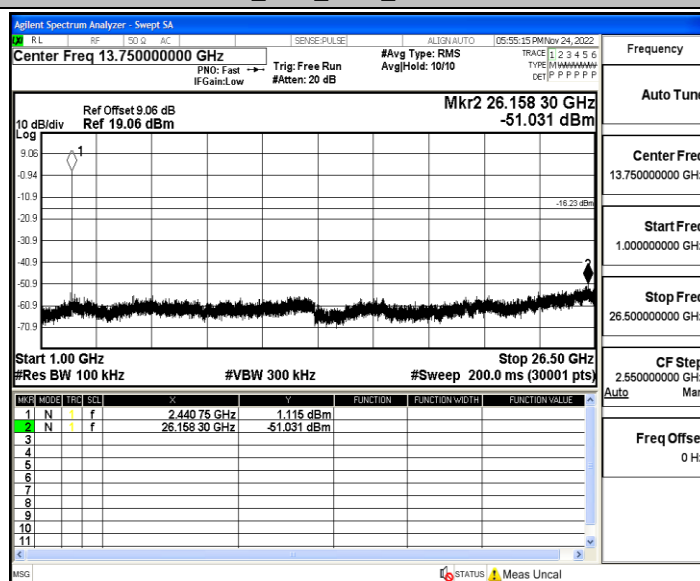
2DH5_Ant2_2441_0~Reference



2DH5_Ant2_2441_30~1000



2DH5_Ant2_2441_1000~26500



2DH5_Ant2_2480_0~Reference