

RF Test Data for BT(BDR/EDR) (Conducted Measurement)**Product Name: MP3 Player****Trade Mark: N/A****Test Model: M301****FCC ID: 2ASNBM301****Environmental Conditions**

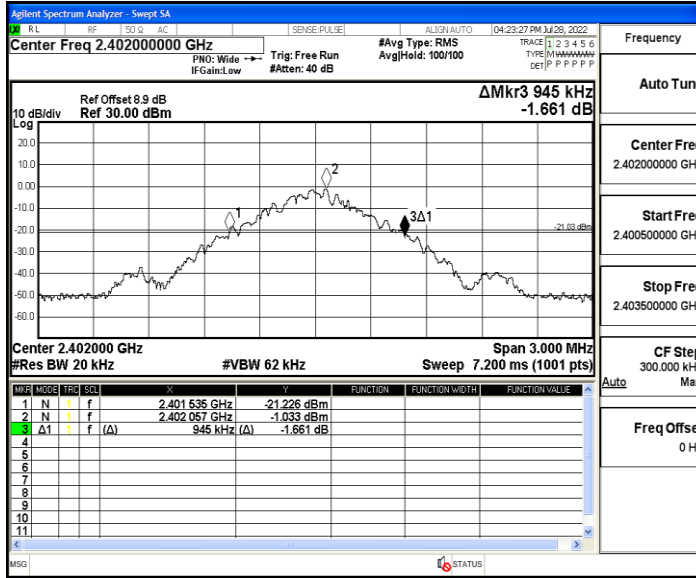
Temperature:	25.5°C
Relative Humidity:	55%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

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

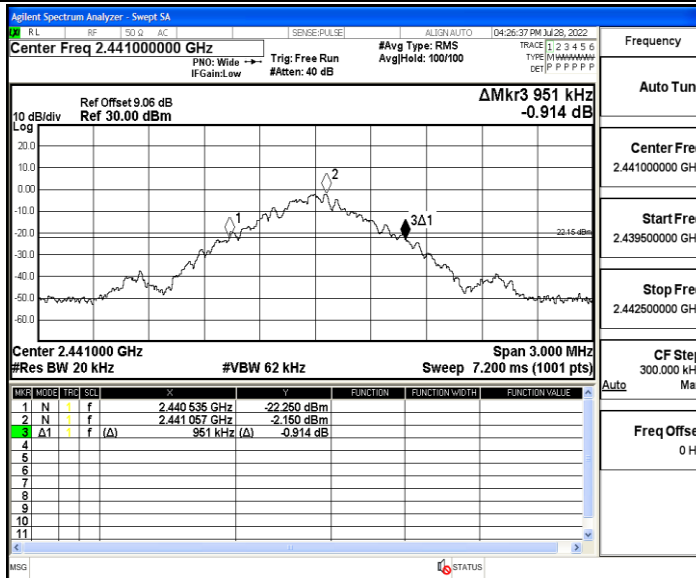
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.945	2401.535	2402.480	---	---
		2441	0.951	2440.535	2441.486	---	---
		2480	0.954	2479.532	2480.486	---	---
2DH5	Ant1	2402	1.305	2401.340	2402.645	---	---
		2441	1.341	2440.328	2441.669	---	---
		2480	1.326	2479.334	2480.660	---	---
3DH5	Ant1	2402	1.278	2401.349	2402.627	---	---
		2441	1.254	2440.358	2441.612	---	---
		2480	1.266	2479.352	2480.618	---	---

Test Graphs

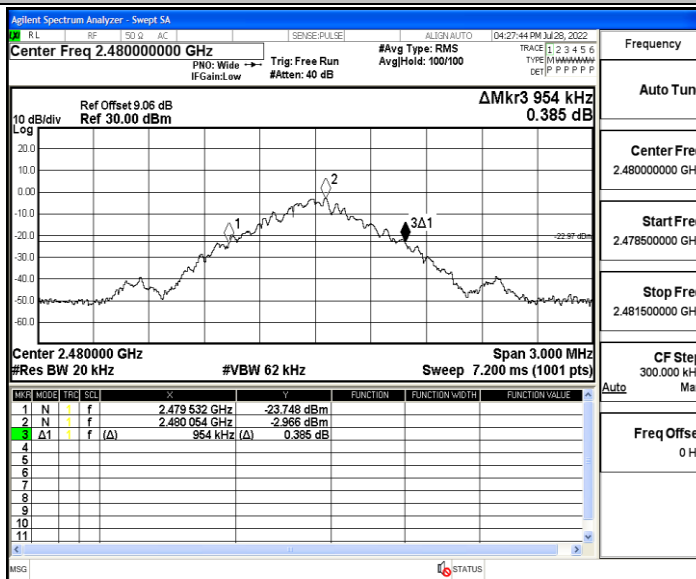
DH5_Ant1_2402



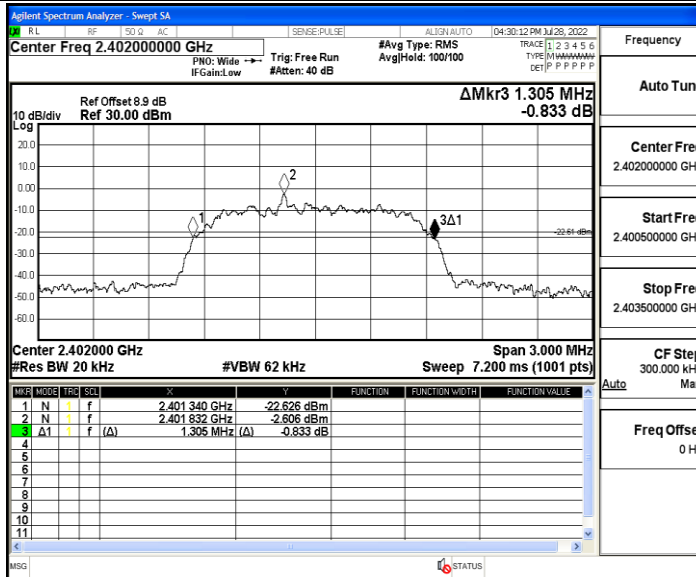
DH5_Ant1_2441



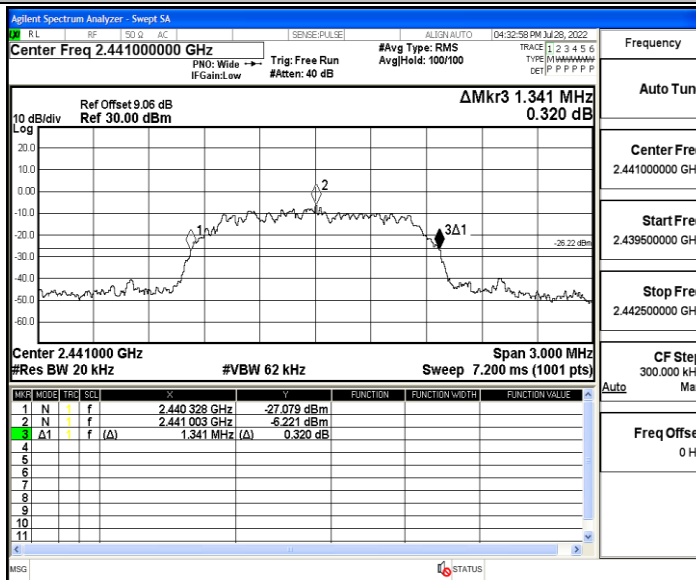
DH5_Ant1_2480



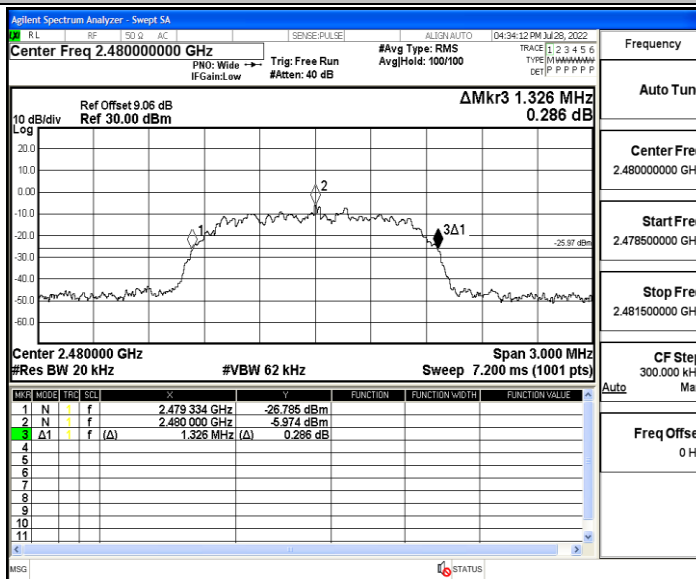
2DH5_Ant1_2402



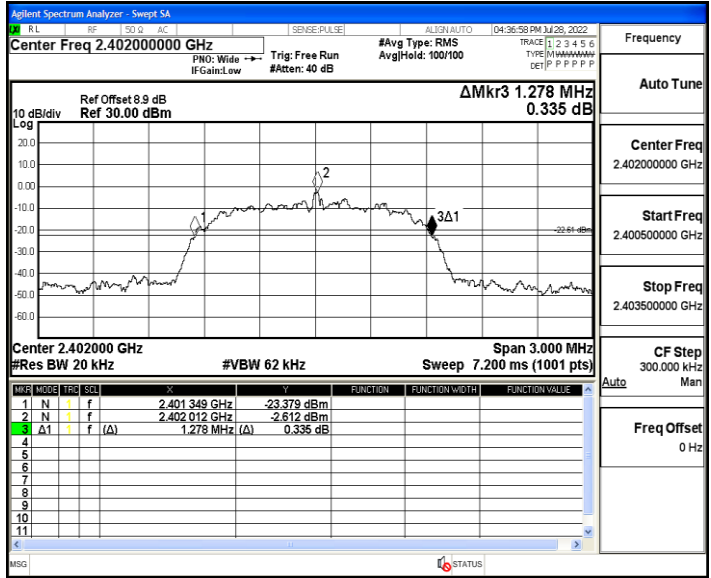
2DH5_Ant1_2441



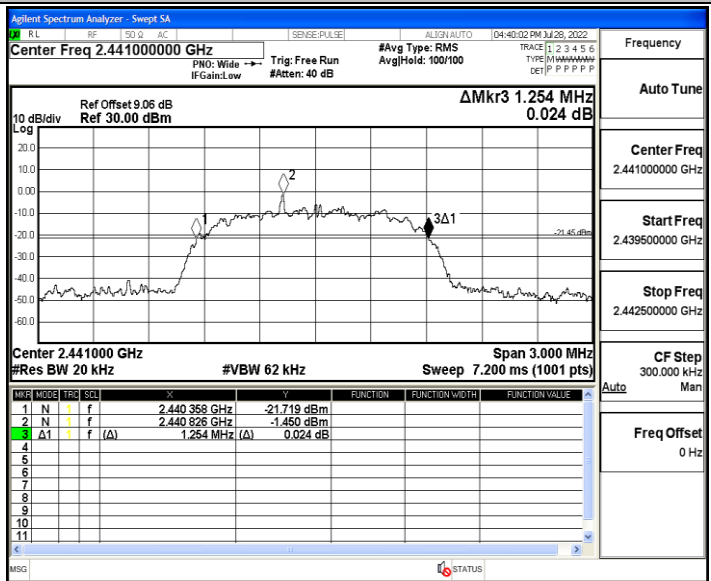
2DH5_Ant1_2480



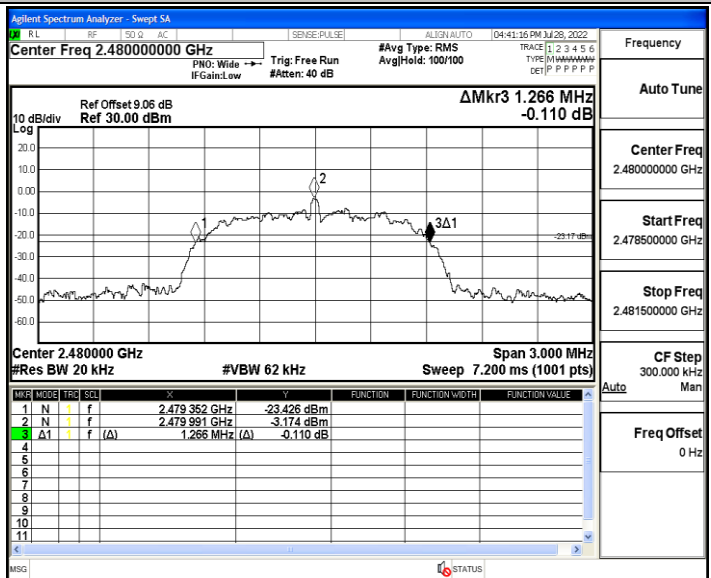
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



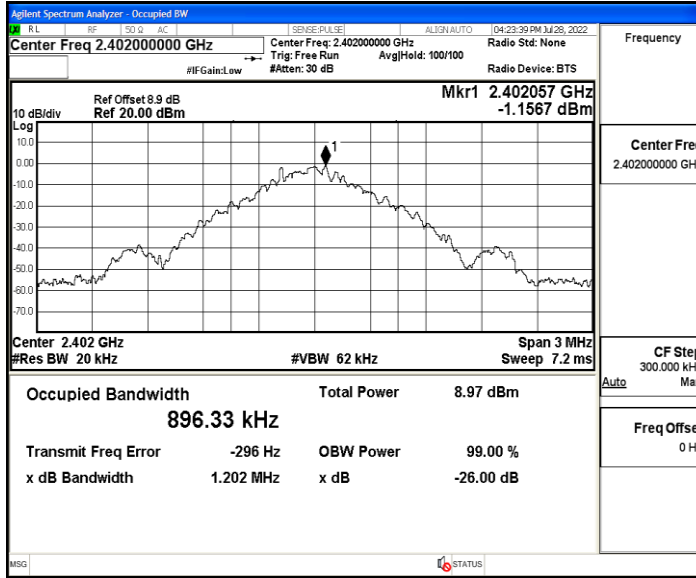
Appendix B: Occupied Channel Bandwidth

Test Result

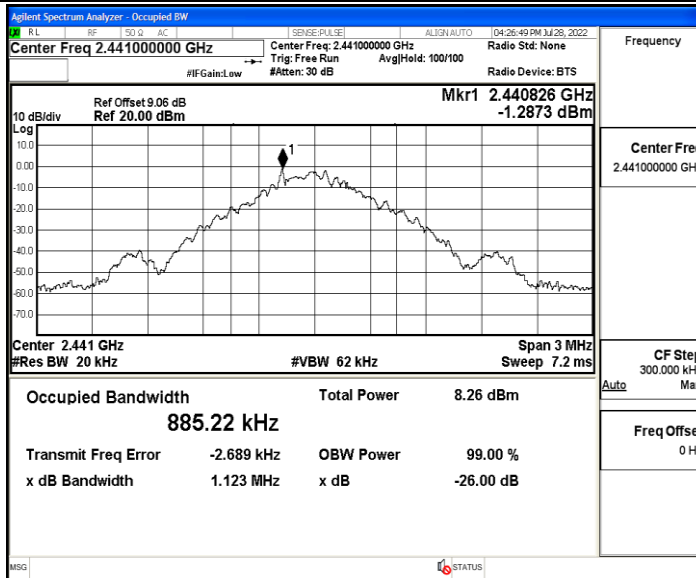
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89633	2401.552	2402.448	---	---
		2441	0.88522	2440.555	2441.440	---	---
		2480	0.88695	2479.553	2480.440	---	---
2DH5	Ant1	2402	1.1727	2401.408	2402.581	---	---
		2441	1.1719	2440.405	2441.577	---	---
		2480	1.1814	2479.404	2480.585	---	---
3DH5	Ant1	2402	1.1737	2401.405	2402.579	---	---
		2441	1.1718	2440.407	2441.579	---	---
		2480	1.1684	2479.409	2480.578	---	---

Test Graphs

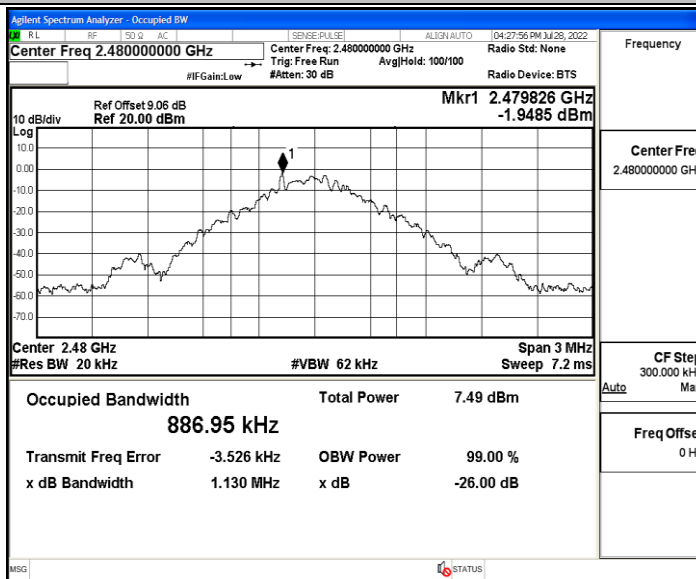
DH5_Ant1_2402



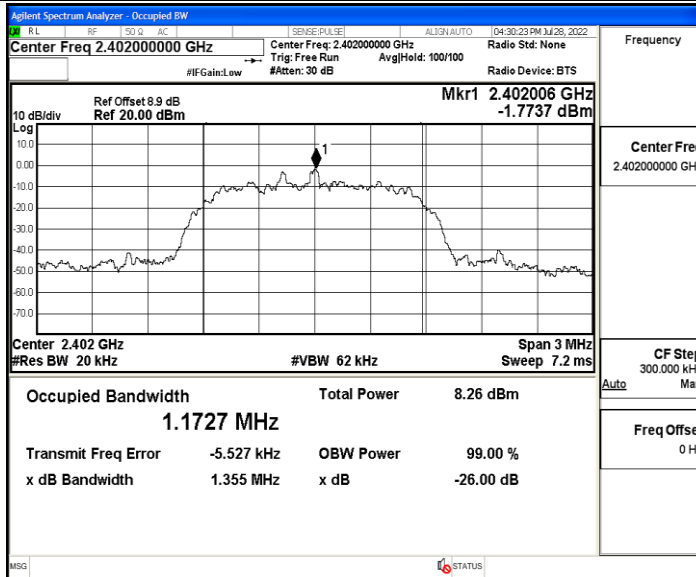
DH5_Ant1_2441



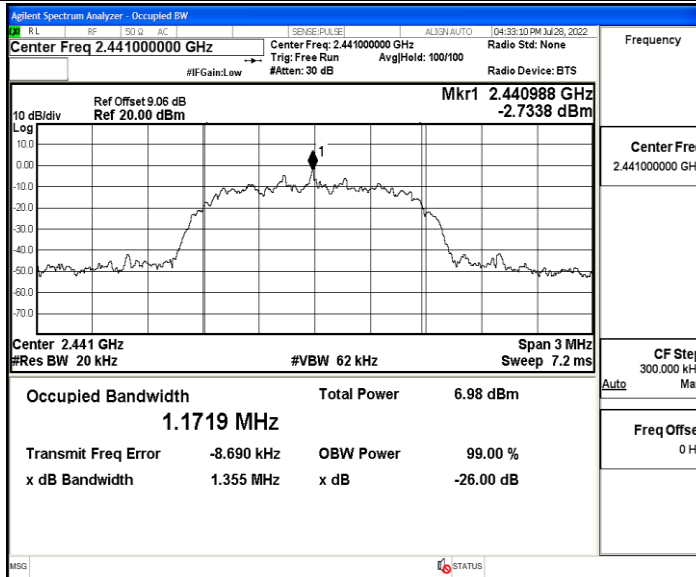
DH5_Ant1_2480



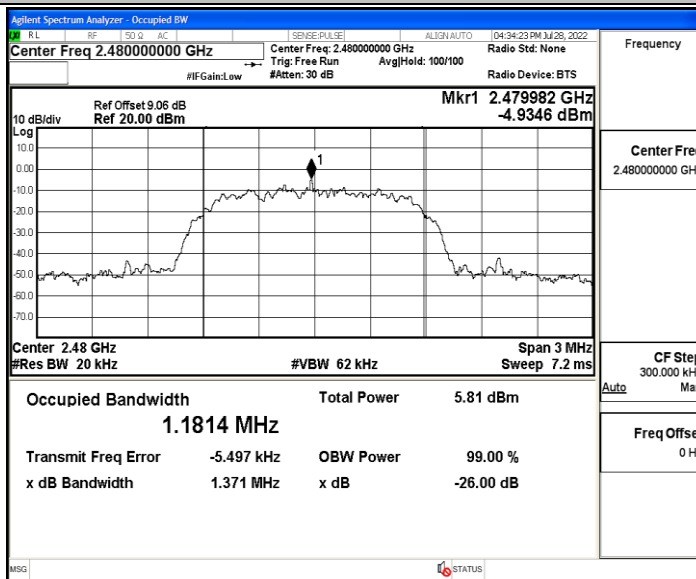
2DH5_Ant1_2402



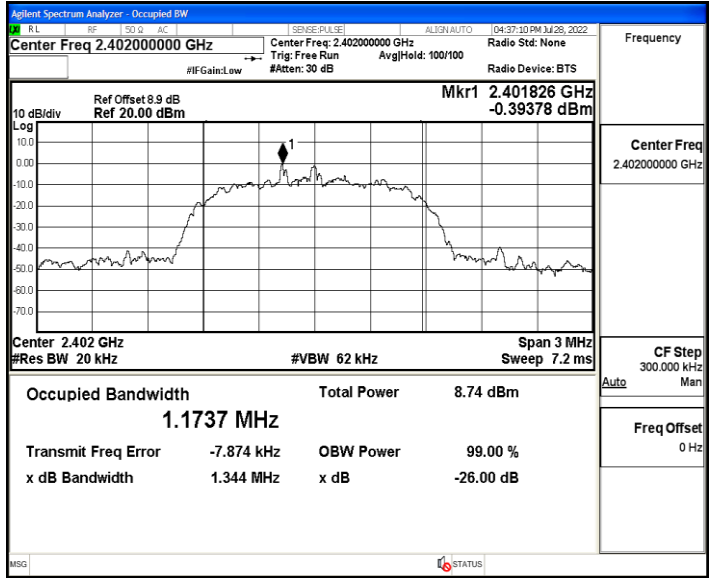
2DH5_Ant1_2441



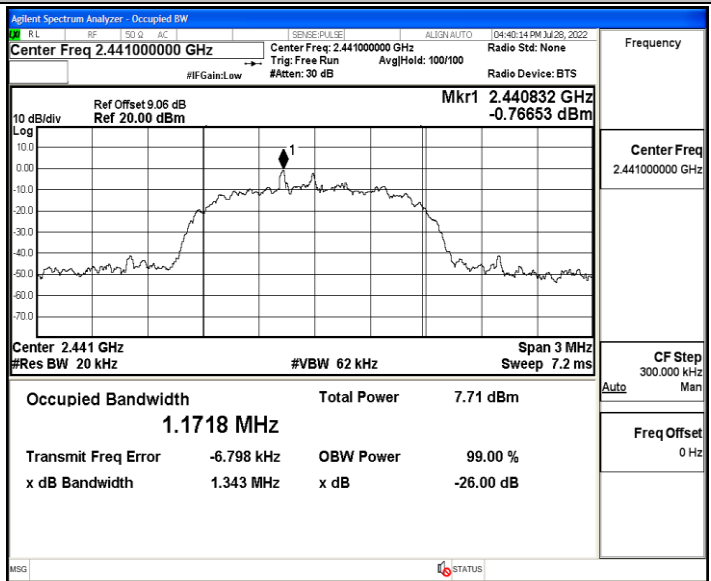
2DH5_Ant1_2480



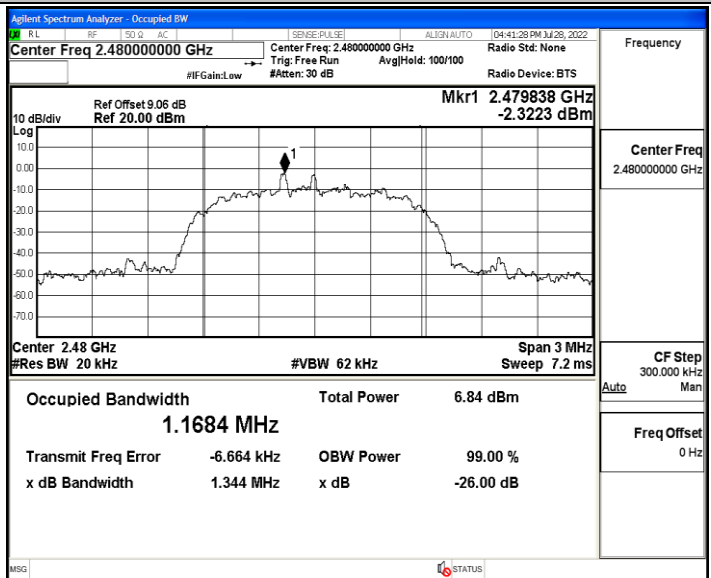
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



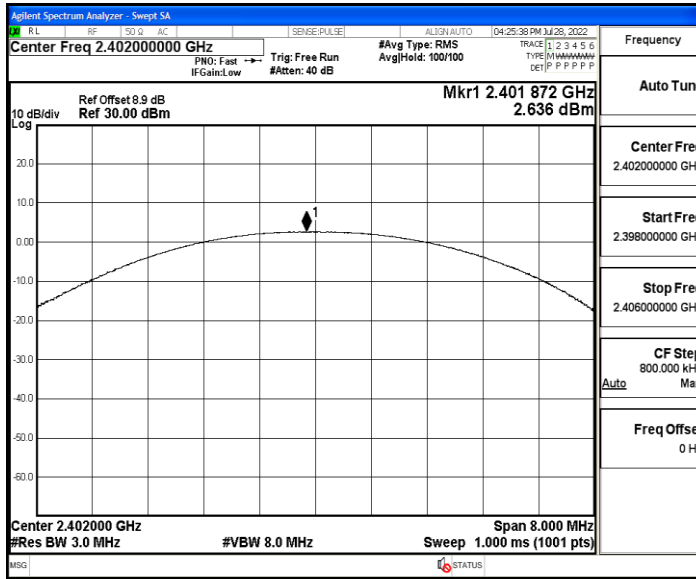
Appendix C: Maximum Peak conducted output power

Test Result

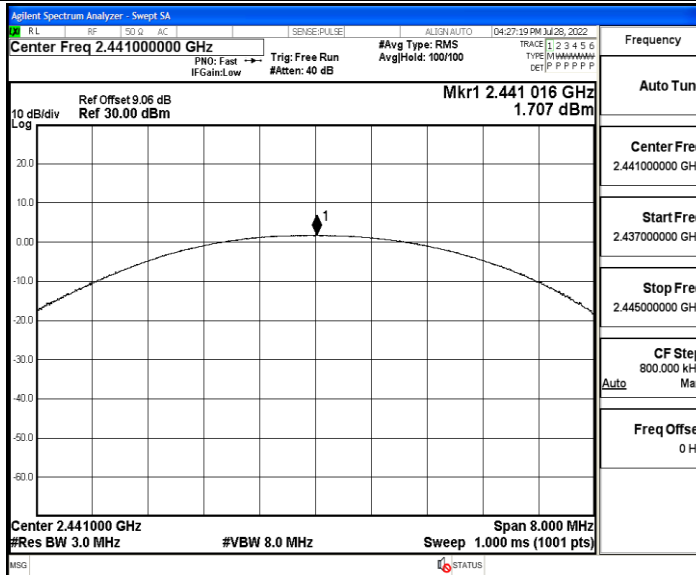
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	2.64	≤30	PASS
		2441	1.71	≤30	PASS
		2480	0.88	≤30	PASS
2DH5	Ant1	2402	3.22	≤20.97	PASS
		2441	2.3	≤20.97	PASS
		2480	1.44	≤20.97	PASS
3DH5	Ant1	2402	3.82	≤20.97	PASS
		2441	2.83	≤20.97	PASS
		2480	1.97	≤20.97	PASS

Test Graphs

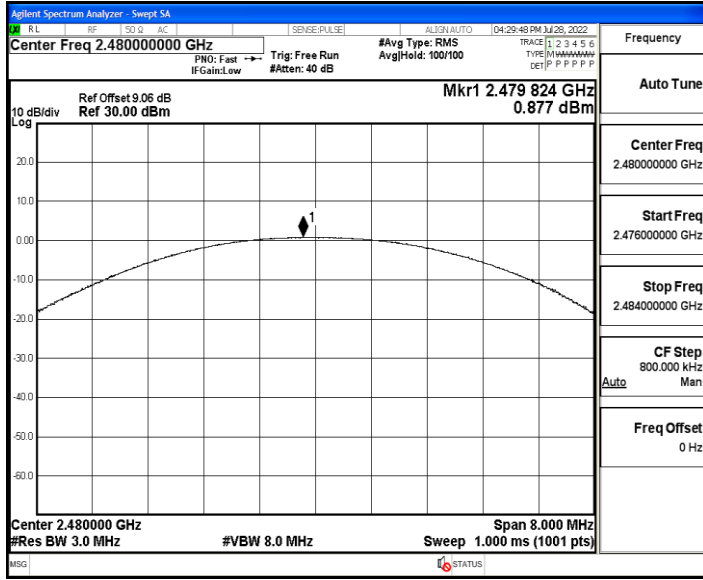
DH5_Ant1_2402



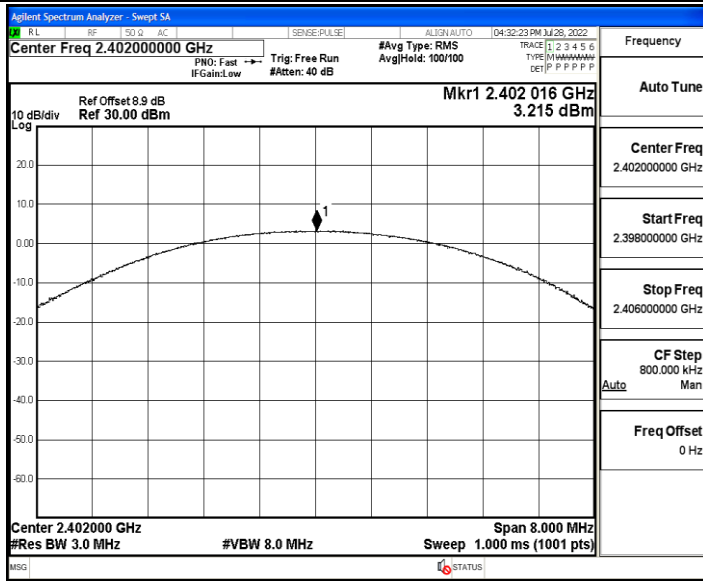
DH5_Ant1_2441



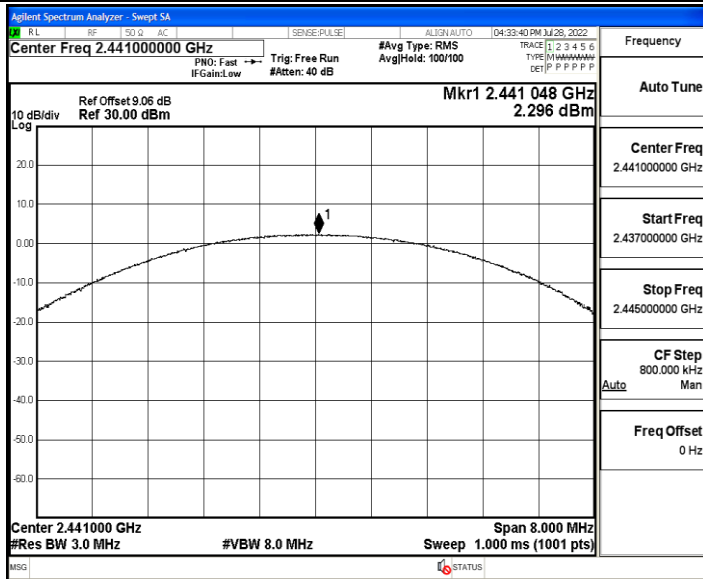
DH5_Ant1_2480



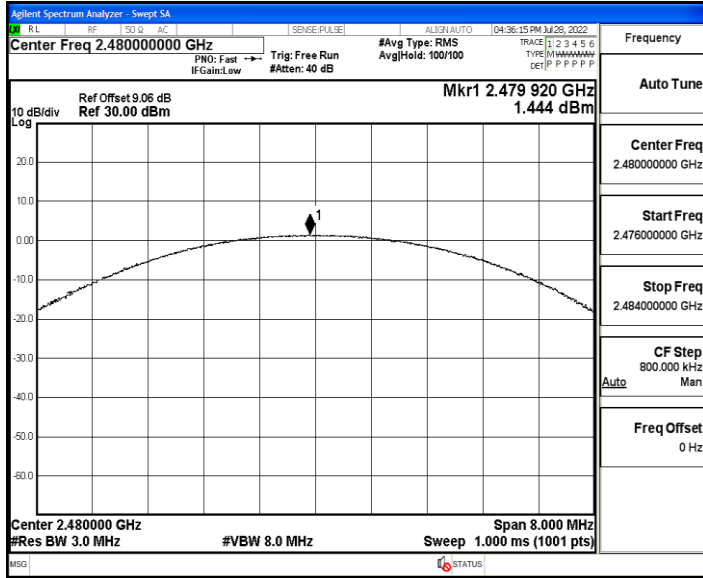
2DH5_Ant1_2402



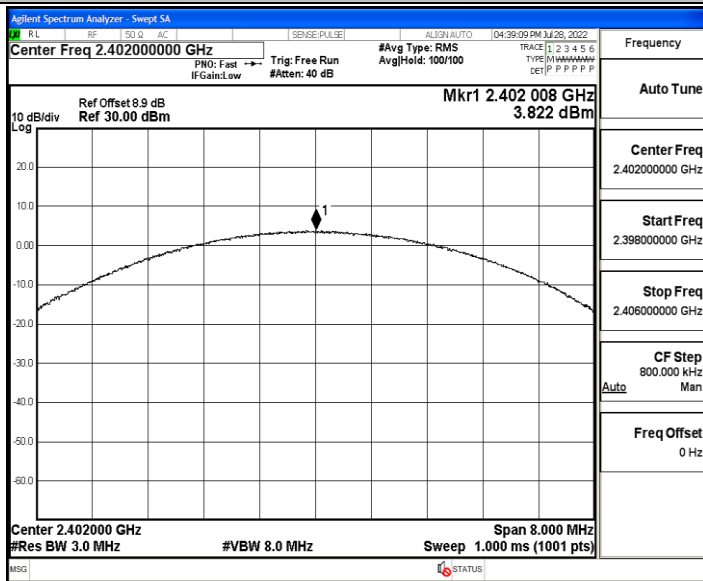
2DH5_Ant1_2441



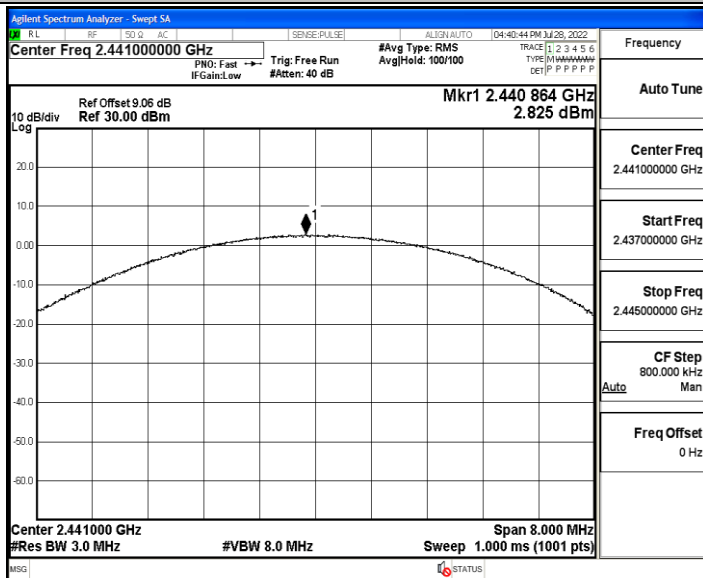
2DH5_Ant1_2480



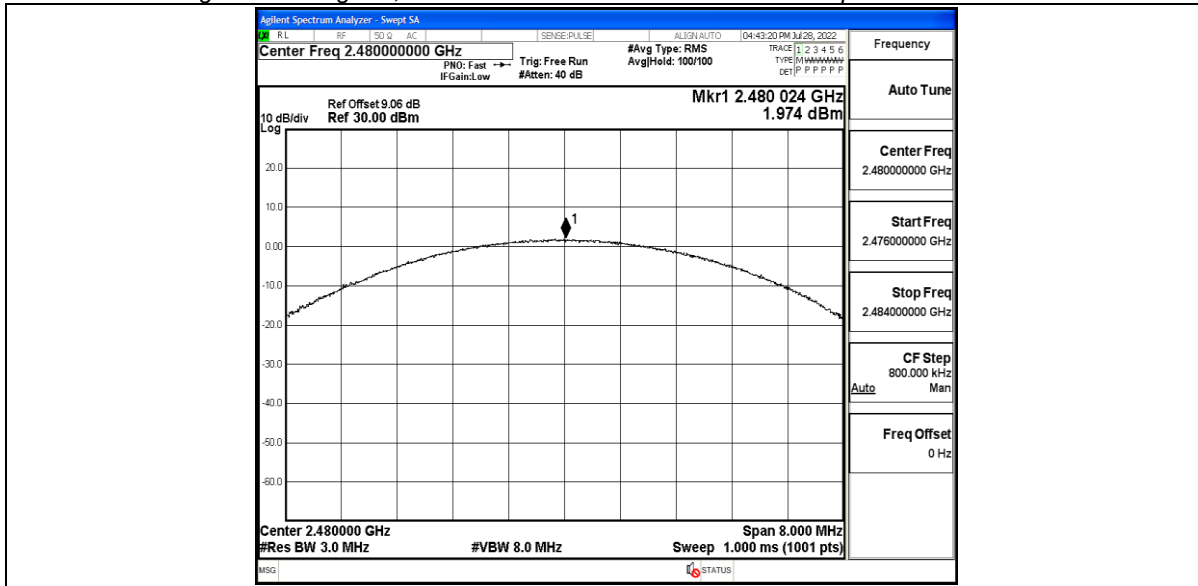
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.83	≥0.636	PASS
2DH5	Ant1	Hop	1.114	≥0.894	PASS
3DH5	Ant1	Hop	0.994	≥0.852	PASS

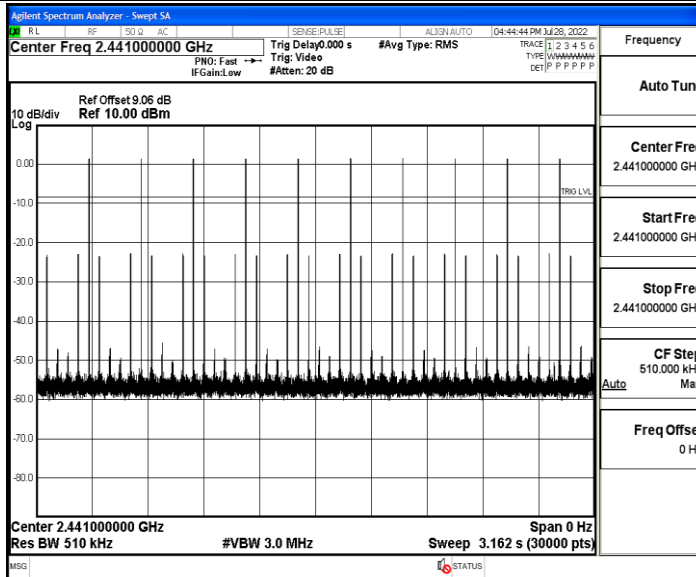
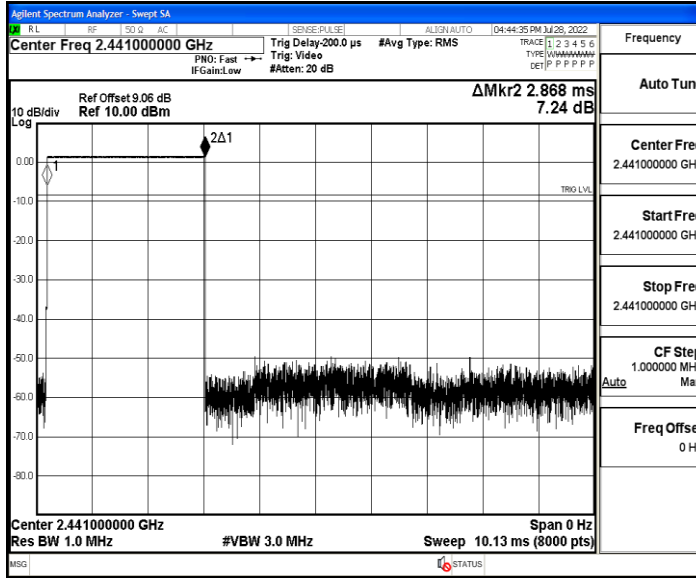
Appendix E: Time of occupancy

Test Result

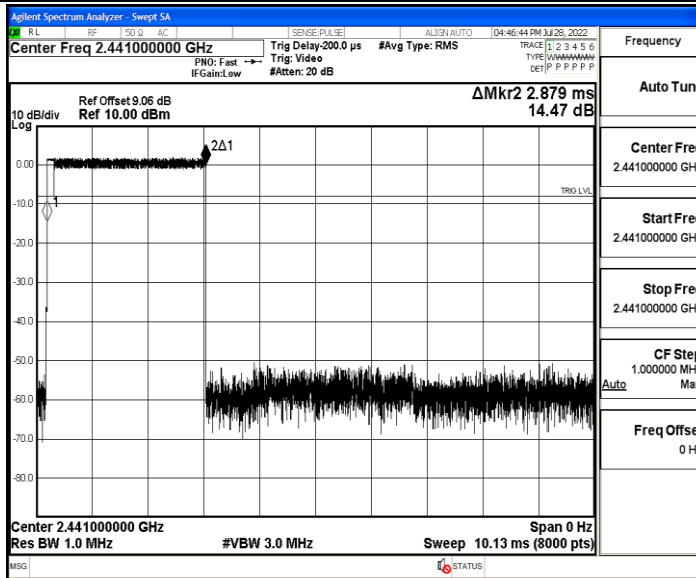
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.87	110	0.315	≤0.4	PASS
2DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS

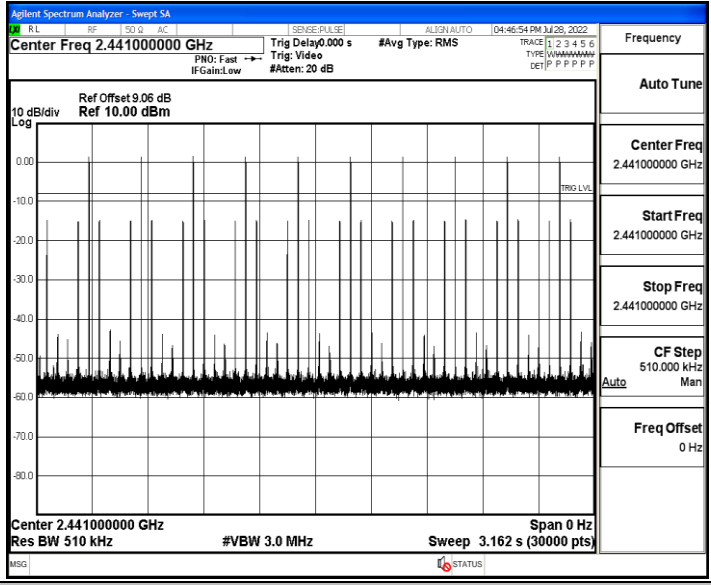
Test Graphs

DH5_Ant1_Hop

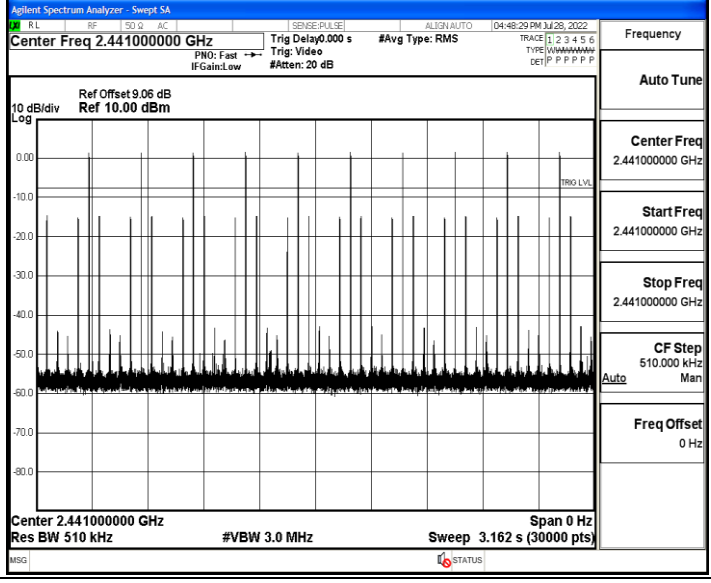
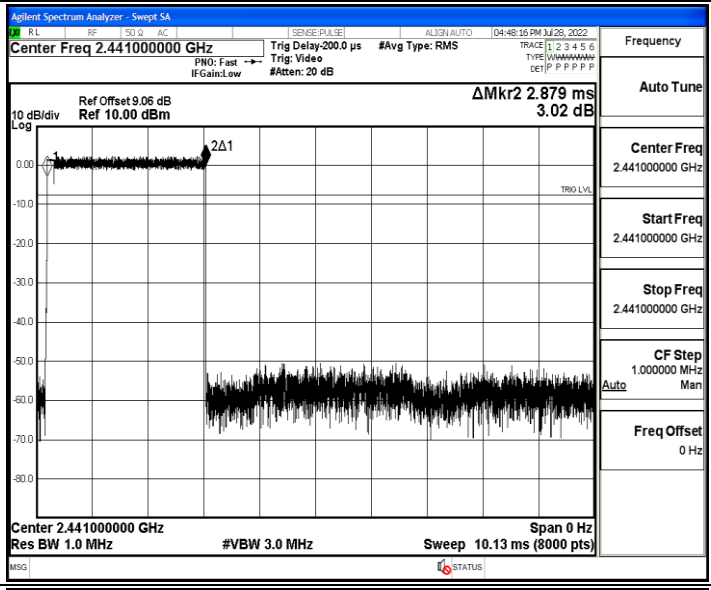


2DH5_Ant1_Hop





3DH5_Ant1_Hop



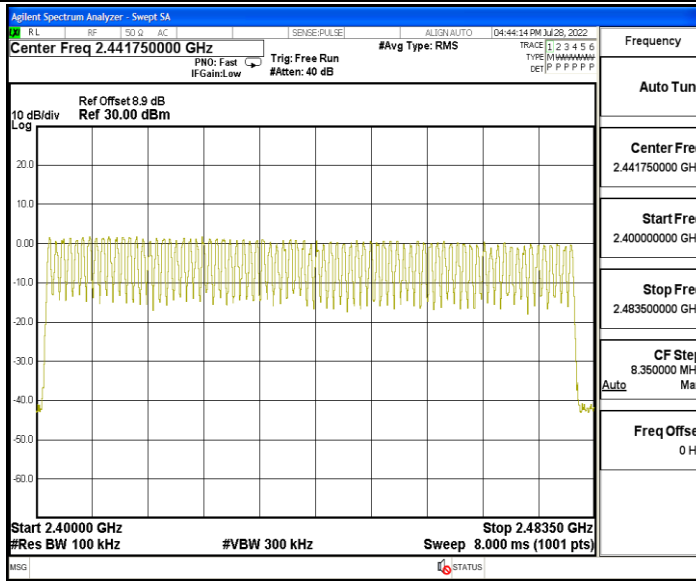
Appendix F: Number of hopping channels

Test Result

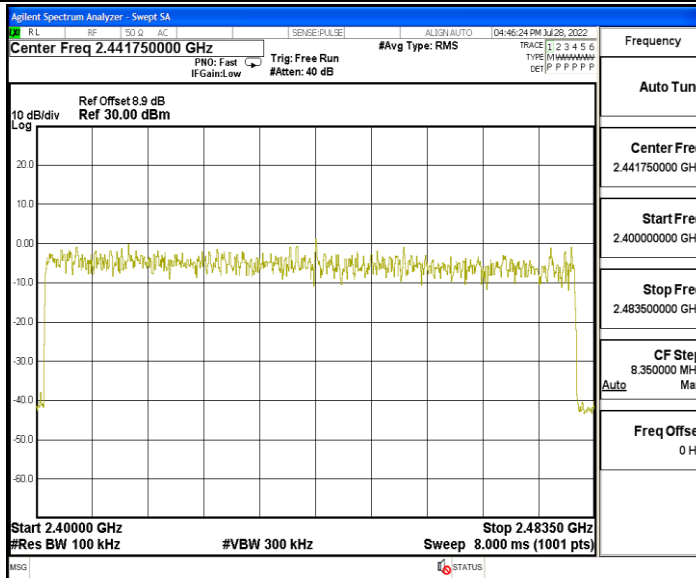
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

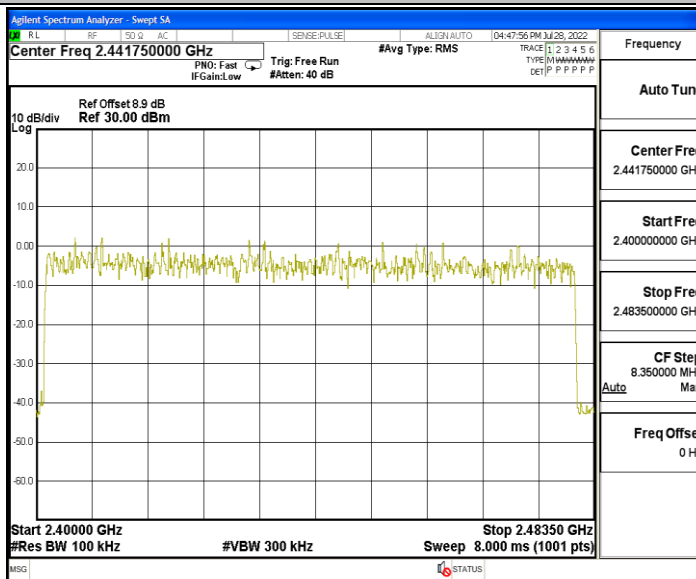
DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



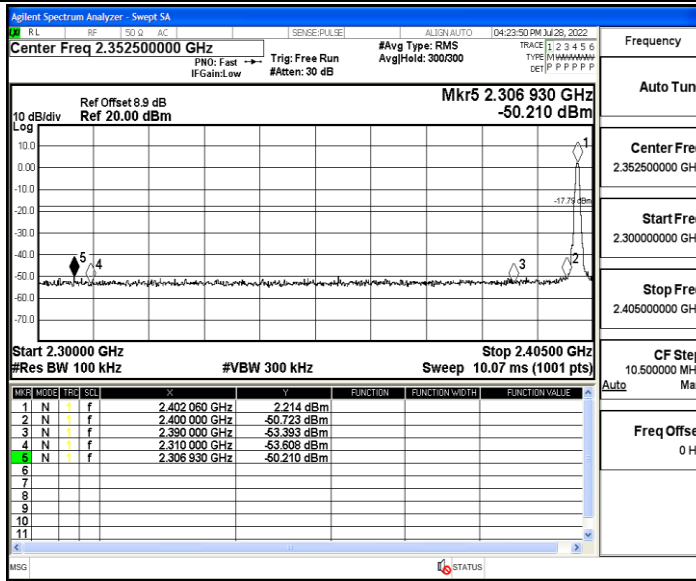
Appendix G: Band edge measurements

Test Result

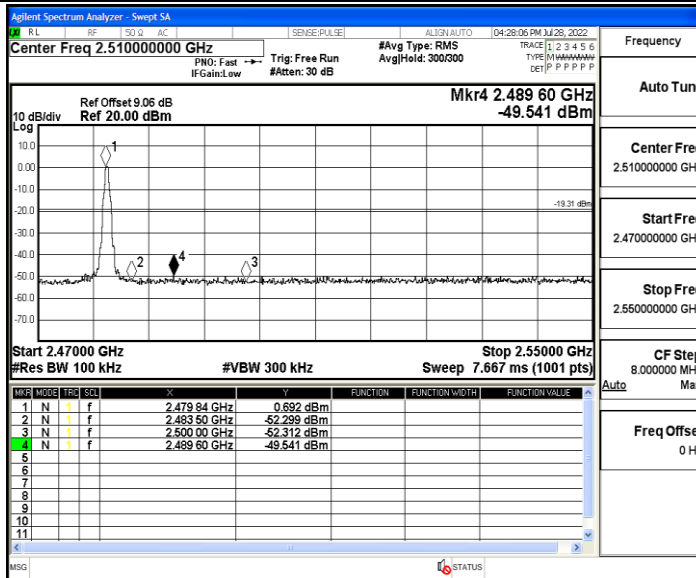
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	2.21	-50.21	≤-17.79	PASS
		High	2480	0.69	-49.54	≤-19.31	PASS
		Low	Hop_2402	1.88	-49.36	≤-18.12	PASS
		High	Hop_2480	0.49	-49.43	≤-19.51	PASS
2DH5	Ant1	Low	2402	2.25	-50.03	≤-17.75	PASS
		High	2480	-0.02	-48.94	≤-20.02	PASS
		Low	Hop_2402	-1.16	-50.94	≤-21.16	PASS
		High	Hop_2480	-1.99	-49.34	≤-21.99	PASS
3DH5	Ant1	Low	2402	2.36	-49.39	≤-17.64	PASS
		High	2480	-0.84	-49.62	≤-20.84	PASS
		Low	Hop_2402	1.94	-50.49	≤-18.06	PASS
		High	Hop_2480	0.73	-49.44	≤-19.27	PASS

Test Graphs

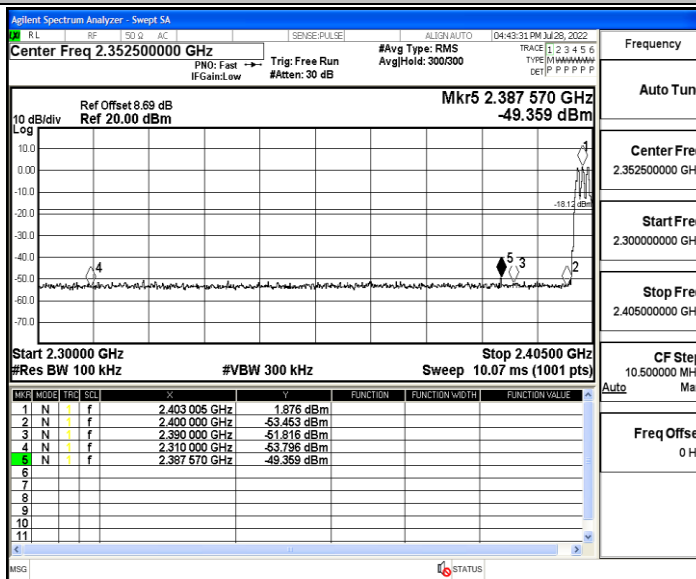
DH5_Ant1_Low_2402



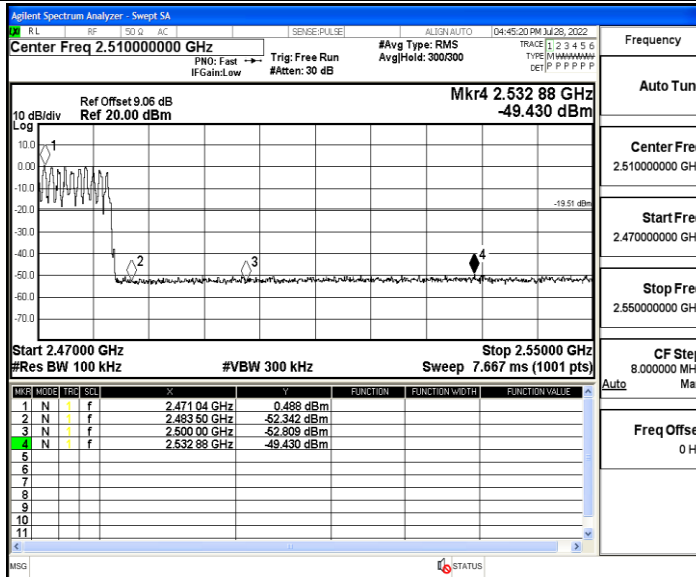
DH5_Ant1_High_2480



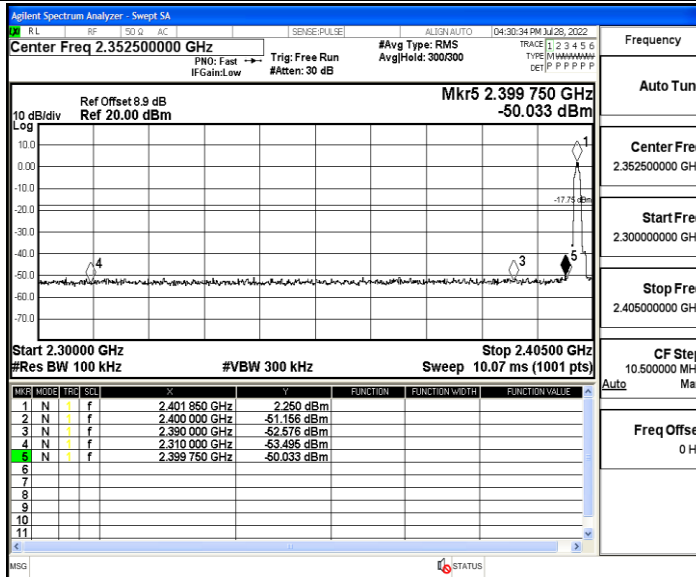
DH5_Ant1_Low_Hop_2402



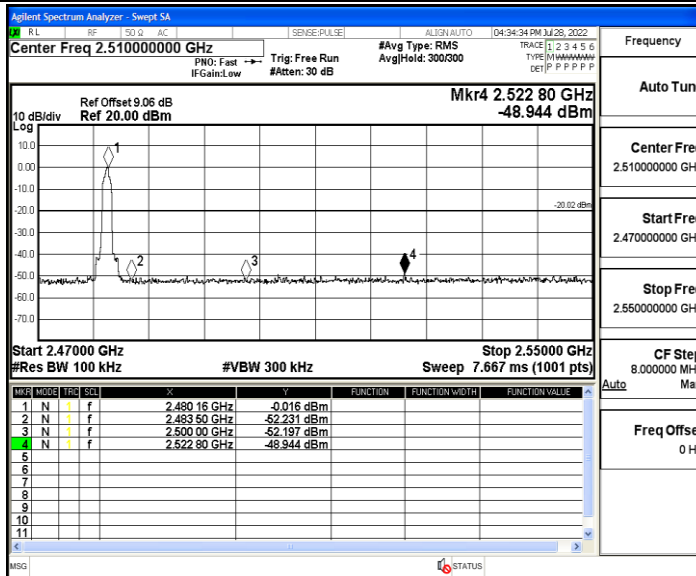
DH5_Ant1_High_Hop_2480



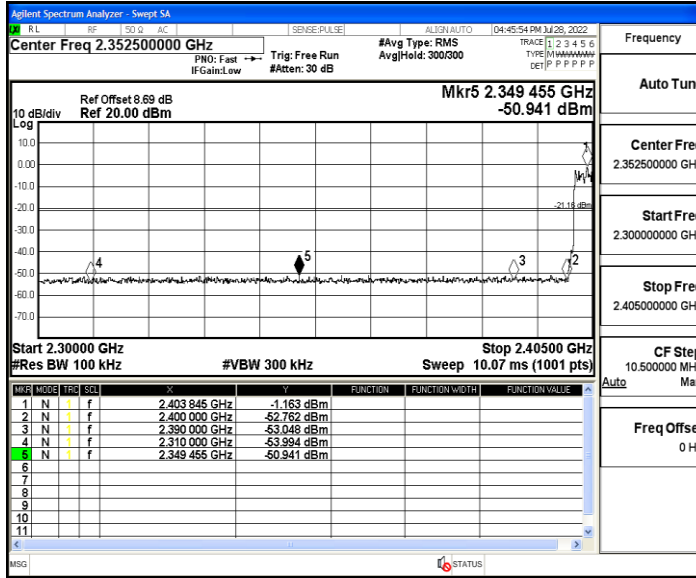
2DH5_Ant1_Low_2402



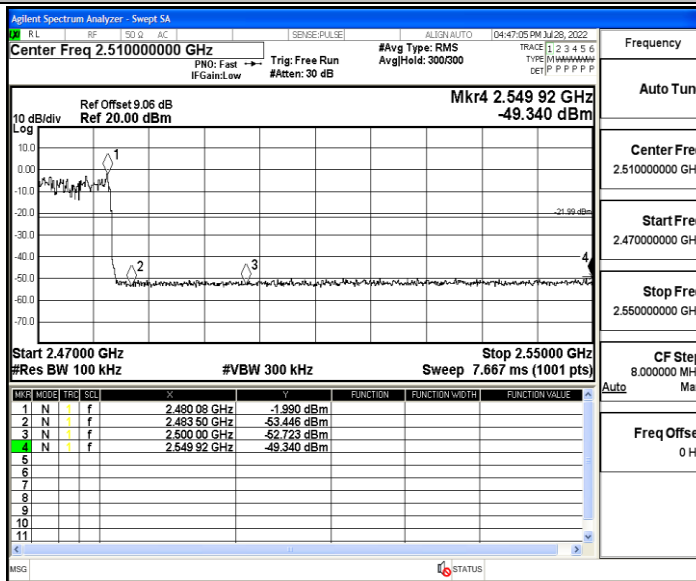
2DH5_Ant1_High_2480



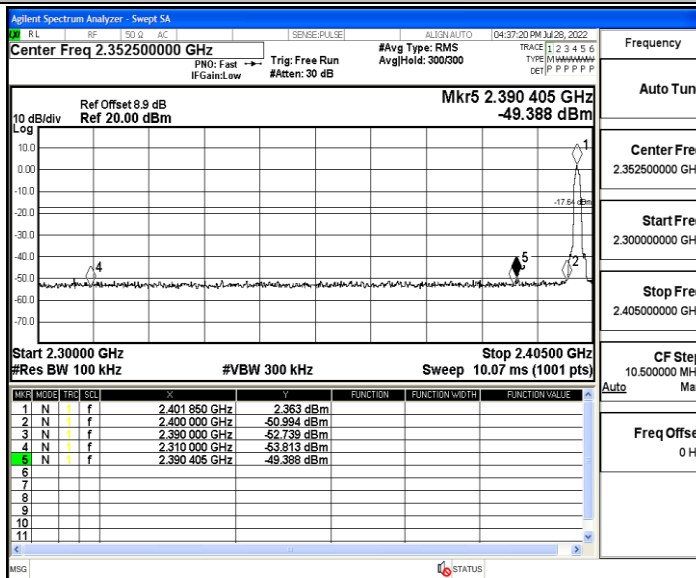
2DH5_Ant1_Low_Hop_2402



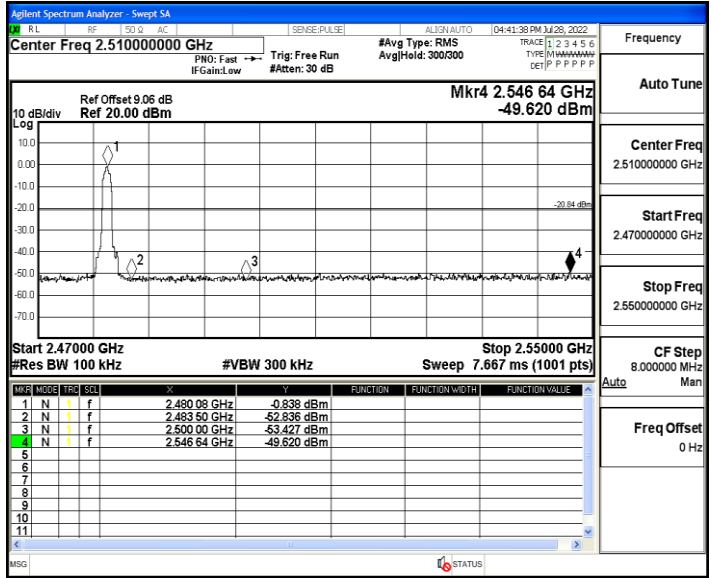
2DH5_Ant1_High_Hop_2480



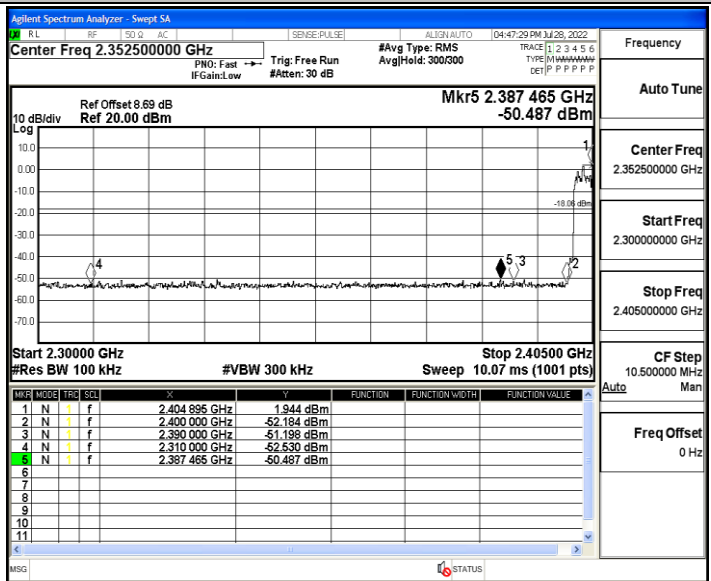
3DH5_Ant1_Low_2402



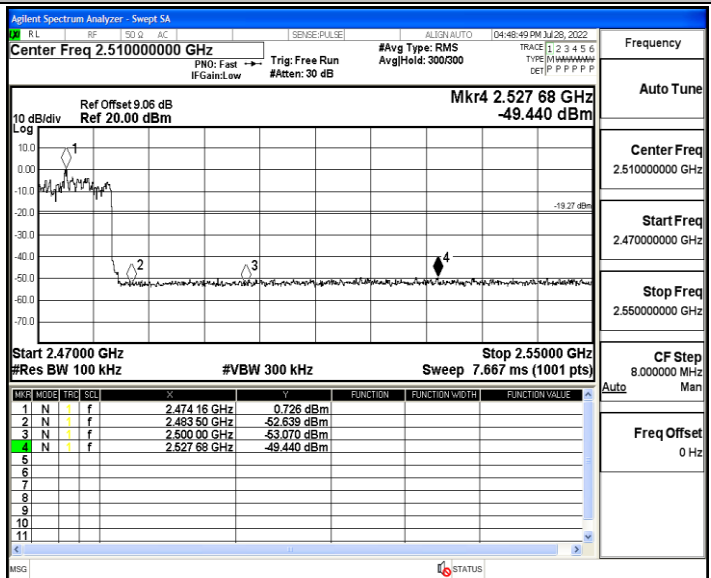
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



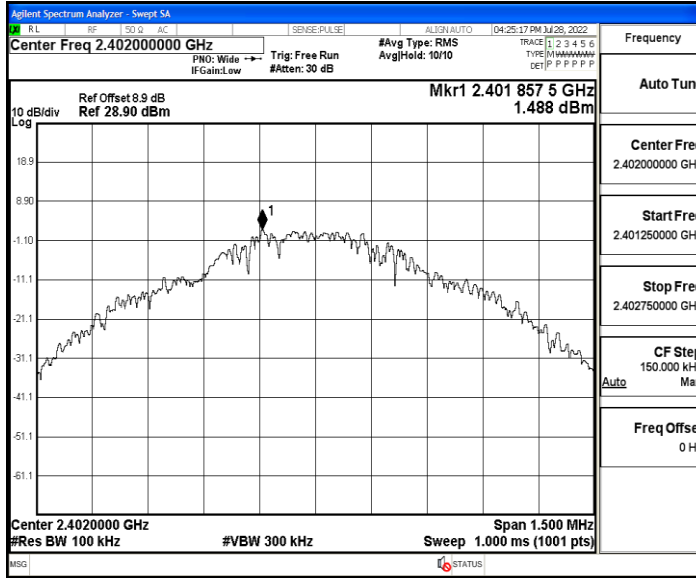
Appendix H: Conducted Spurious Emission

Test Result

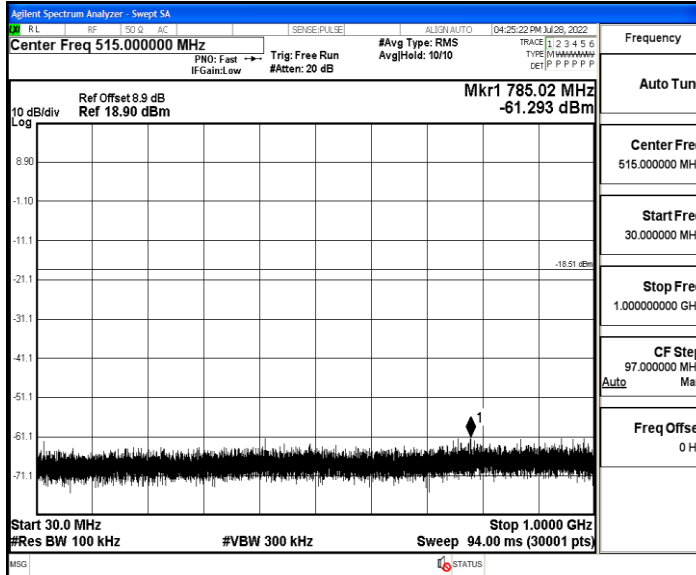
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	1.49	1.49	---	PASS
			30~1000	1.49	-61.29	≤-18.51	PASS
			1000~26500	1.49	-46.47	≤-18.51	PASS
		2441	Reference	0.68	0.68	---	PASS
			30~1000	0.68	-61.28	≤-19.32	PASS
			1000~26500	0.68	-51.22	≤-19.32	PASS
		2480	Reference	0.26	0.26	---	PASS
			30~1000	0.26	-61.09	≤-19.74	PASS
			1000~26500	0.26	-50.97	≤-19.74	PASS
2DH5	Ant1	2402	Reference	-0.98	-0.98	---	PASS
			30~1000	-0.98	-61.37	≤-20.98	PASS
			1000~26500	-0.98	-51.74	≤-20.98	PASS
		2441	Reference	-2.52	-2.52	---	PASS
			30~1000	-2.52	-61.83	≤-22.52	PASS
			1000~26500	-2.52	-48.59	≤-22.52	PASS
		2480	Reference	-3.29	-3.29	---	PASS
			30~1000	-3.29	-61.53	≤-23.29	PASS
			1000~26500	-3.29	-50.69	≤-23.29	PASS
3DH5	Ant1	2402	Reference	0.93	0.93	---	PASS
			30~1000	0.93	-61.66	≤-19.07	PASS
			1000~26500	0.93	-48.55	≤-19.07	PASS
		2441	Reference	0.09	0.09	---	PASS
			30~1000	0.09	-61.51	≤-19.91	PASS
			1000~26500	0.09	-51.1	≤-19.91	PASS
		2480	Reference	-1.85	-1.85	---	PASS
			30~1000	-1.85	-60.9	≤-21.85	PASS
			1000~26500	-1.85	-51.35	≤-21.85	PASS

Test Graphs

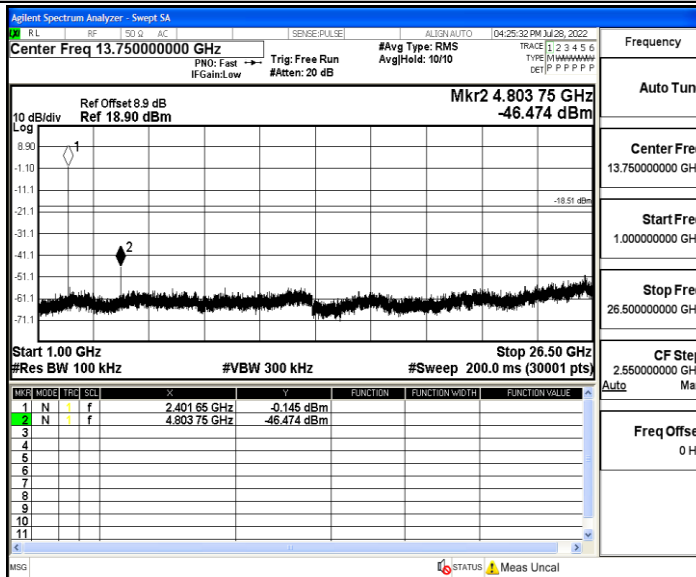
DH5_Ant1_2402_0~Reference



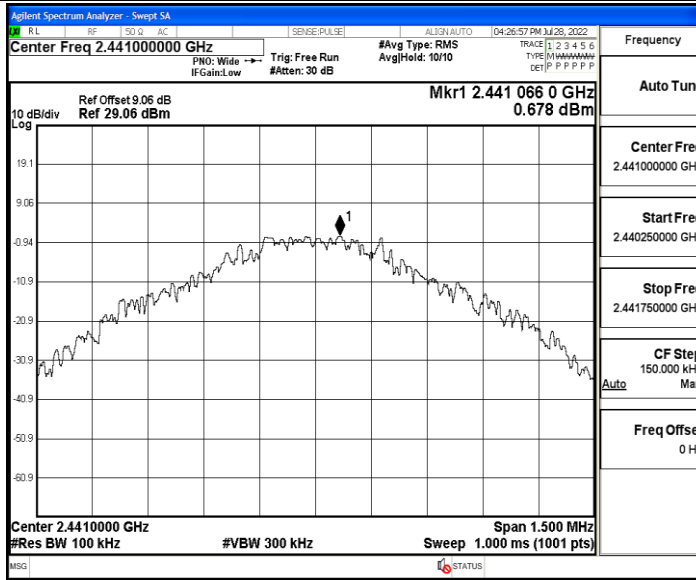
DH5_Ant1_2402_30~1000



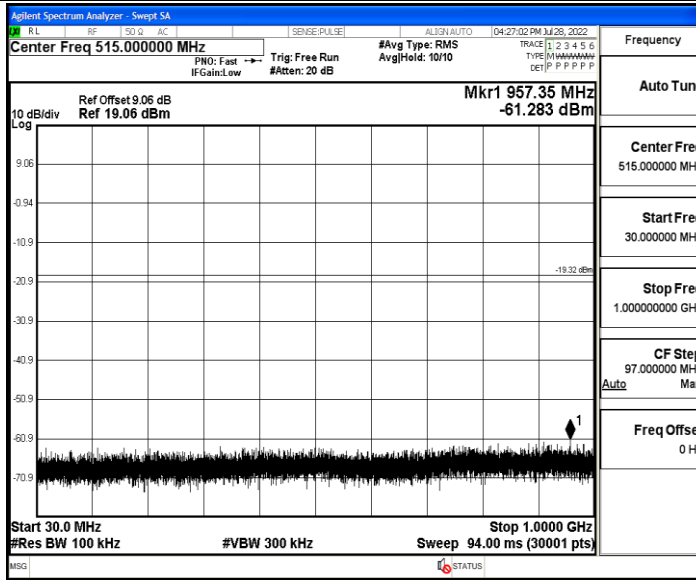
DH5_Ant1_2402_1000~26500



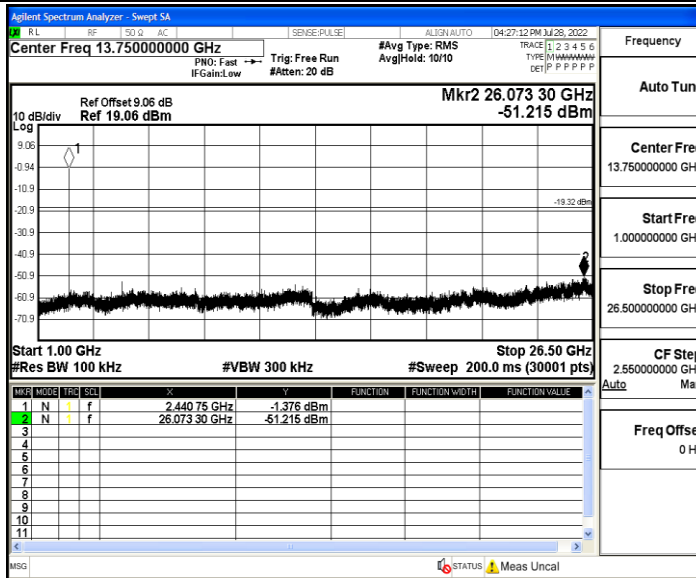
DH5_Ant1_2441_0~Reference



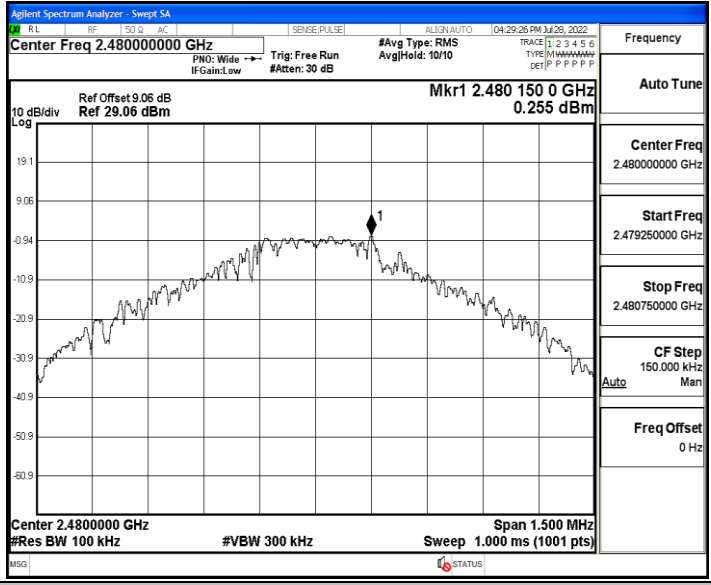
DH5_Ant1_2441_30~1000



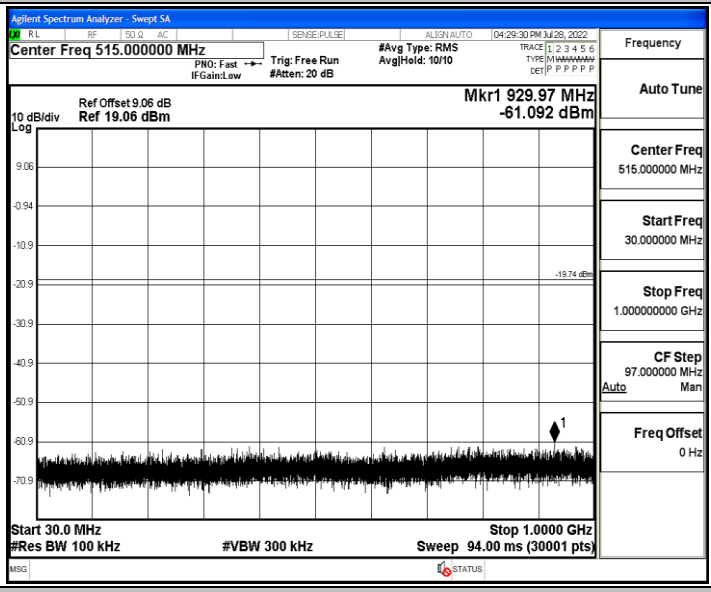
DH5_Ant1_2441_1000~26500



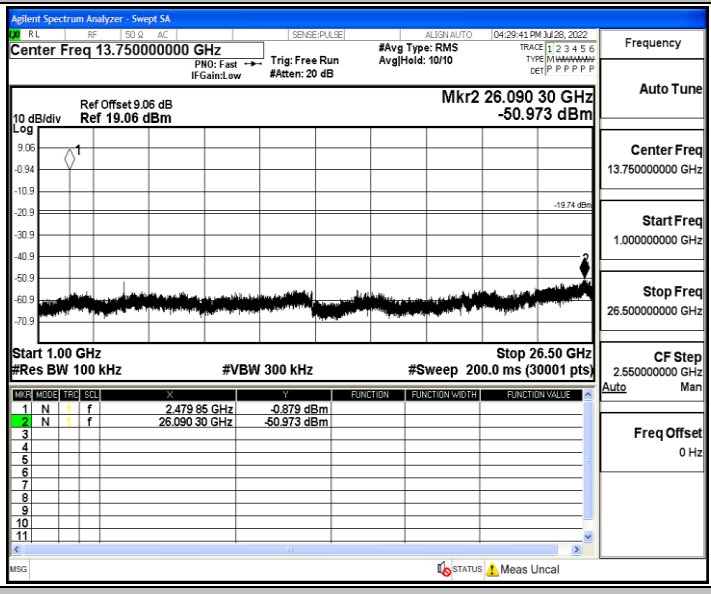
DH5_Ant1_2480_0~Reference



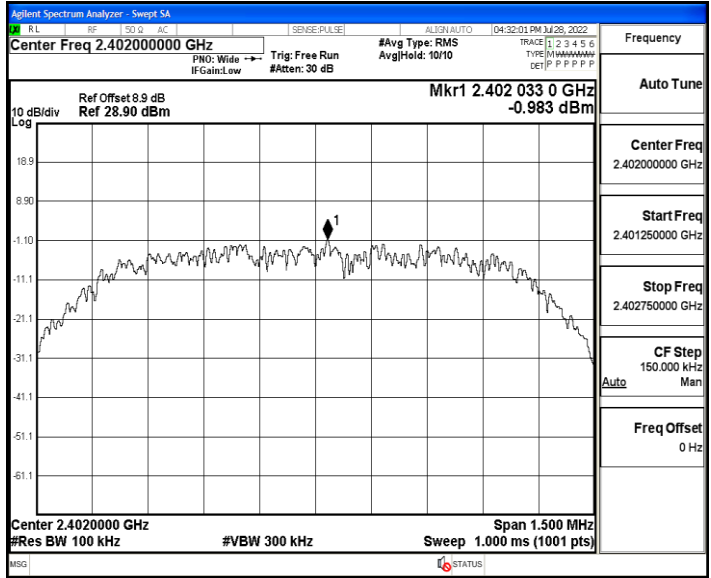
DH5_Ant1_2480_30~1000



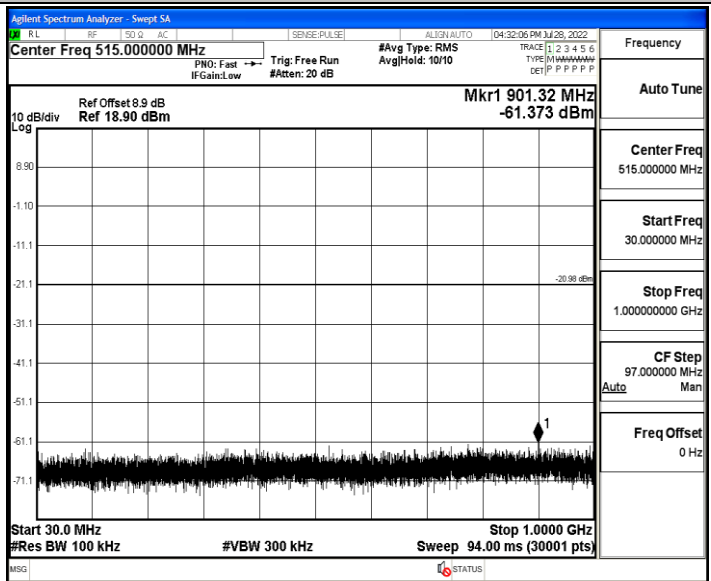
DH5_Ant1_2480_1000~26500



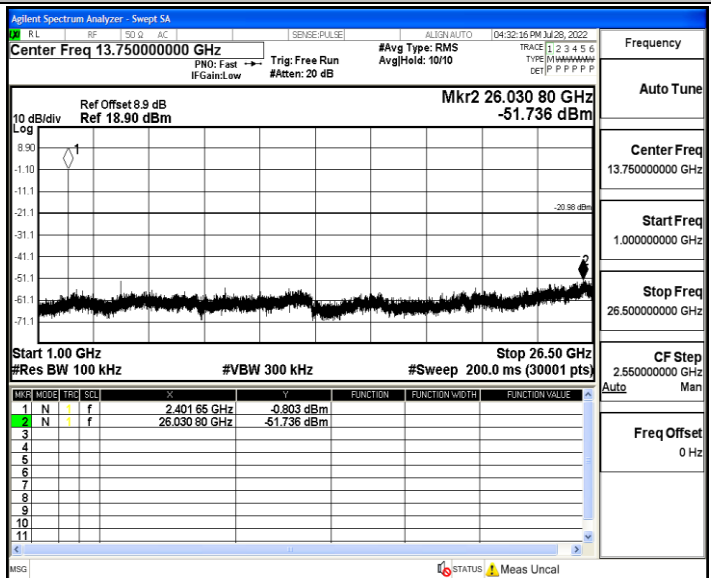
2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference