

Appendix II EDR+BR Test Data**Applicant:** HUIZHOU JUSTPRO MUSICAL INSTRUMENTS CO., LIMITED**Report No:** DLE-251106031R**EUT:** Mini Guitar Amp**M/N:** Q-3M**Standard:**FCC Part15 Subpart C, Section 15.247**Test Power Supply:** DC 3.7V**Ambient Condition:** 24.7 °C, 52 %RH, 101.325 kPa**Test Date:** 2025.11.08**Test Engineer:** Ken Tan*Ken Tan*

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]
DH5	Ant1	2402	1.029	---	---
		2441	0.963	---	---
		2480	0.984	---	---
2DH5	Ant1	2402	1.251	---	---
		2441	1.290	---	---
		2480	1.314	---	---
3DH5	Ant1	2402	1.272	---	---
		2441	1.290	---	---
		2480	1.200	---	---

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	0.88238	2401.5689	2402.4513	---	---
		2441	0.92270	2440.5027	2441.4254	---	---
		2480	0.88092	2479.5714	2480.4523	---	---
2DH5	Ant1	2402	1.2013	2401.3796	2402.5809	---	---
		2441	1.1723	2440.4012	2441.5735	---	---
		2480	1.1562	2479.3951	2480.5513	---	---
3DH5	Ant1	2402	1.1765	2401.4057	2402.5822	---	---
		2441	1.1926	2440.3943	2441.5869	---	---
		2480	1.1279	2479.4256	2480.5535	---	---

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 Peak

Test Mode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	6.47	≤20.97	PASS
		2441	6.73	≤20.97	PASS
		2480	7.27	≤20.97	PASS
2DH5	Ant1	2402	6.48	≤20.97	PASS
		2441	6.78	≤20.97	PASS
		2480	7.32	≤20.97	PASS
3DH5	Ant1	2402	6.59	≤20.97	PASS
		2441	6.89	≤20.97	PASS
		2480	7.43	≤20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[kHz]	Limit[kHz]	Verdict
DH5	Ant1	Hop	0.978	0.686	PASS
2DH5	Ant1	Hop	1.006	0.876	PASS
3DH5	Ant1	Hop	1.360	0.860	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



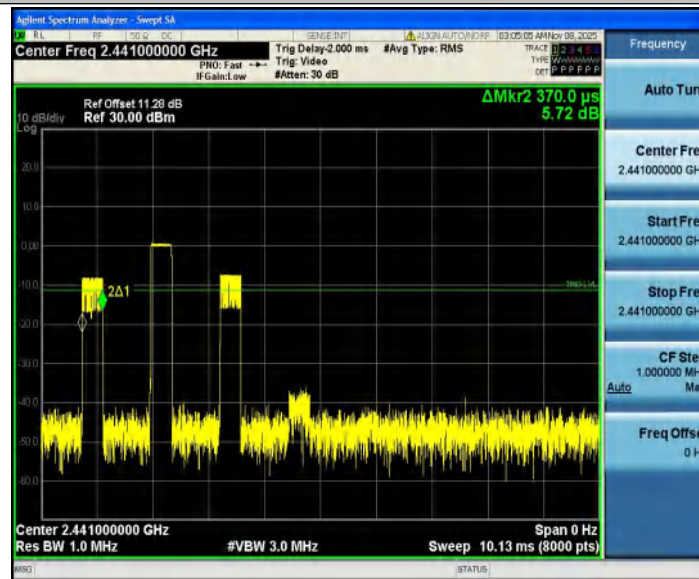
Appendix E: Time of occupancy

Test Result

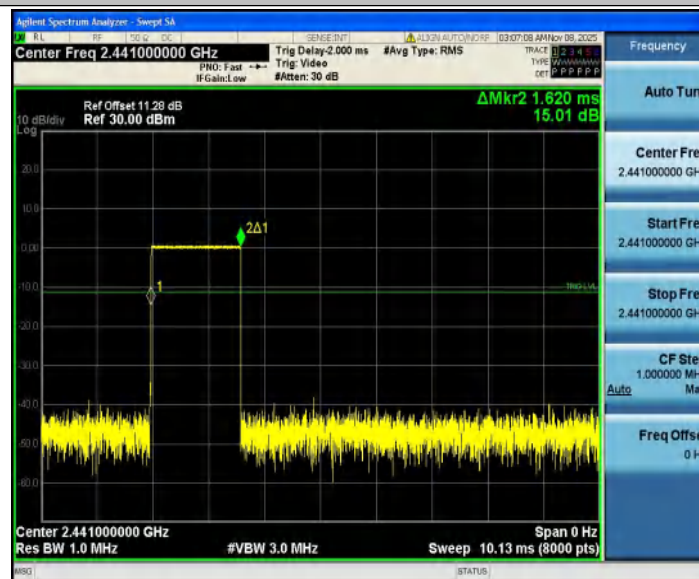
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.370	320	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.620	160	0.259	≤0.4	PASS
DH5	Ant1	Hop	2.868	106.67	0.306	≤0.4	PASS
2DH1	Ant1	Hop	0.379	320	0.121	≤0.4	PASS
2DH3	Ant1	Hop	1.631	160	0.261	≤0.4	PASS
2DH5	Ant1	Hop	2.879	106.67	0.307	≤0.4	PASS
3DH1	Ant1	Hop	0.379	320	0.121	≤0.4	PASS
3DH3	Ant1	Hop	1.629	160	0.261	≤0.4	PASS
3DH5	Ant1	Hop	2.880	106.67	0.307	≤0.4	PASS

Test Graphs

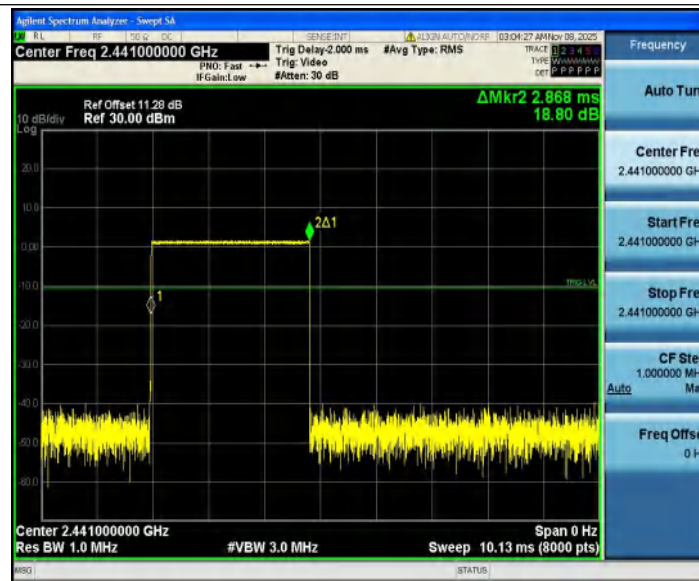
DH1_Ant1_Hop



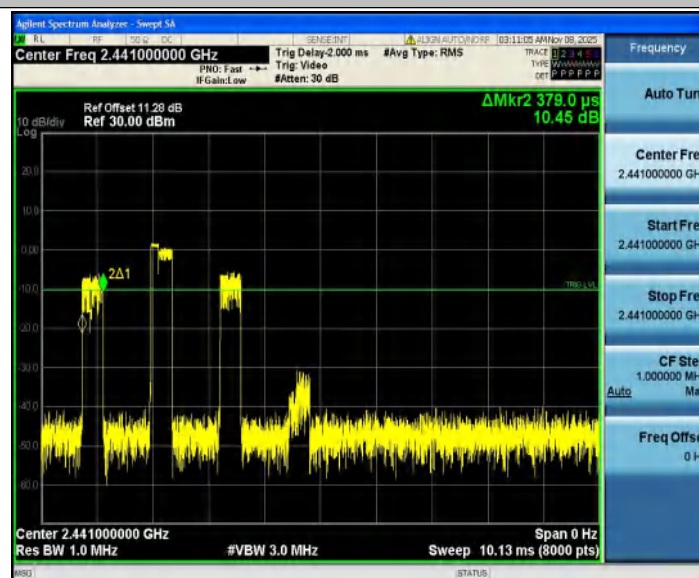
DH3_Ant1_Hop



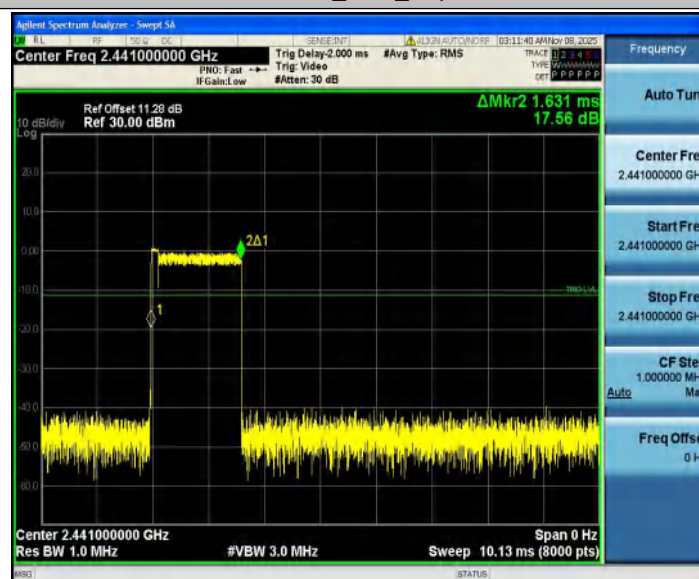
DH5_Ant1_Hop



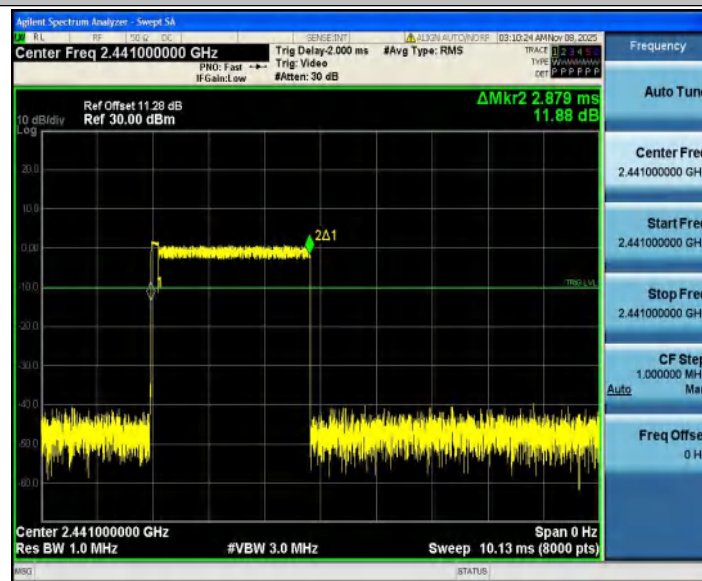
2DH1_Ant1_Hop



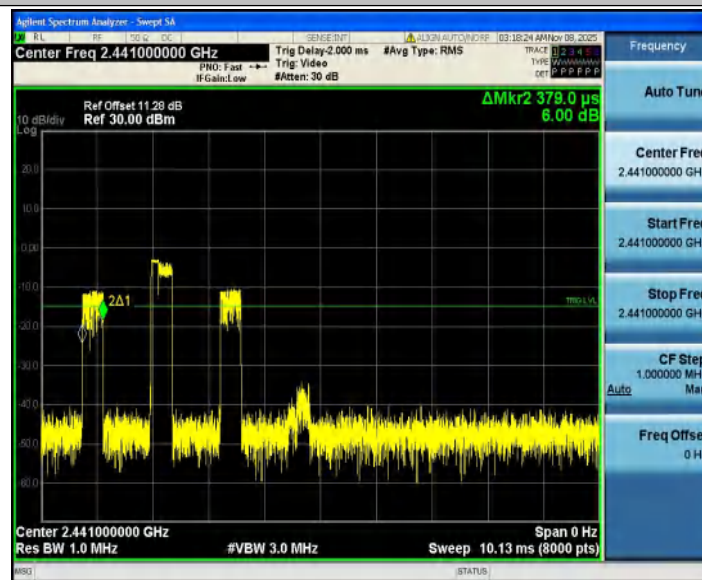
2DH3_Ant1_Hop



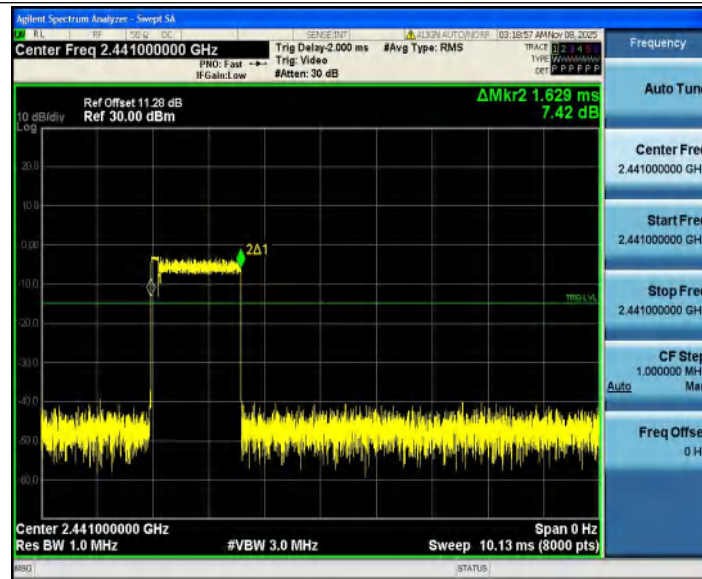
2DH5_Ant1_Hop



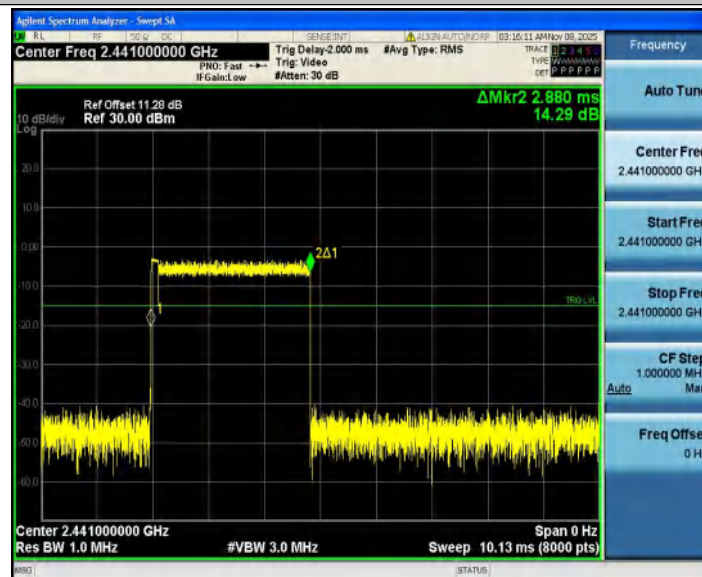
3DH1_Ant1_Hop



3DH3_Ant1_Hop



3DH5_Ant1_Hop

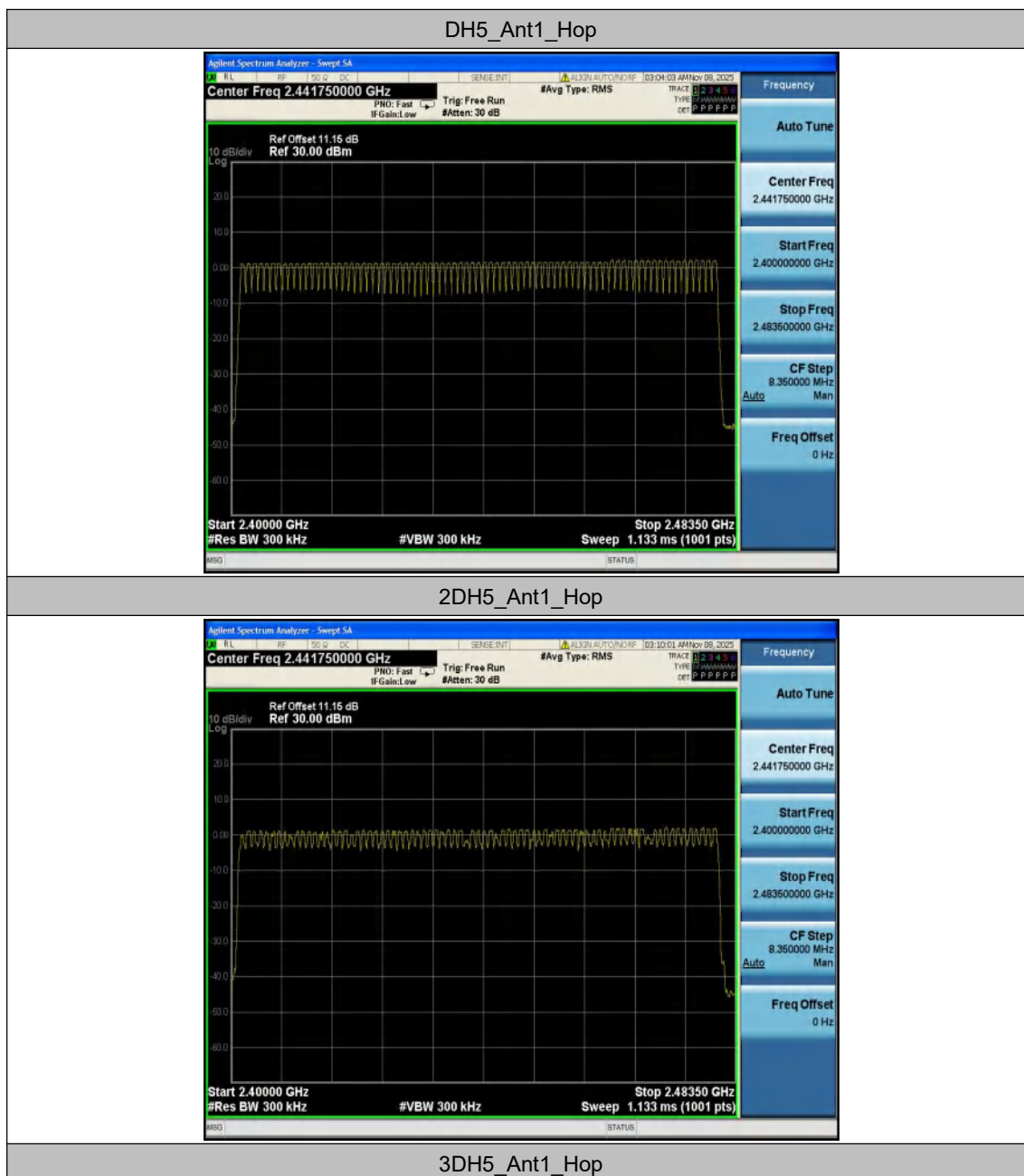


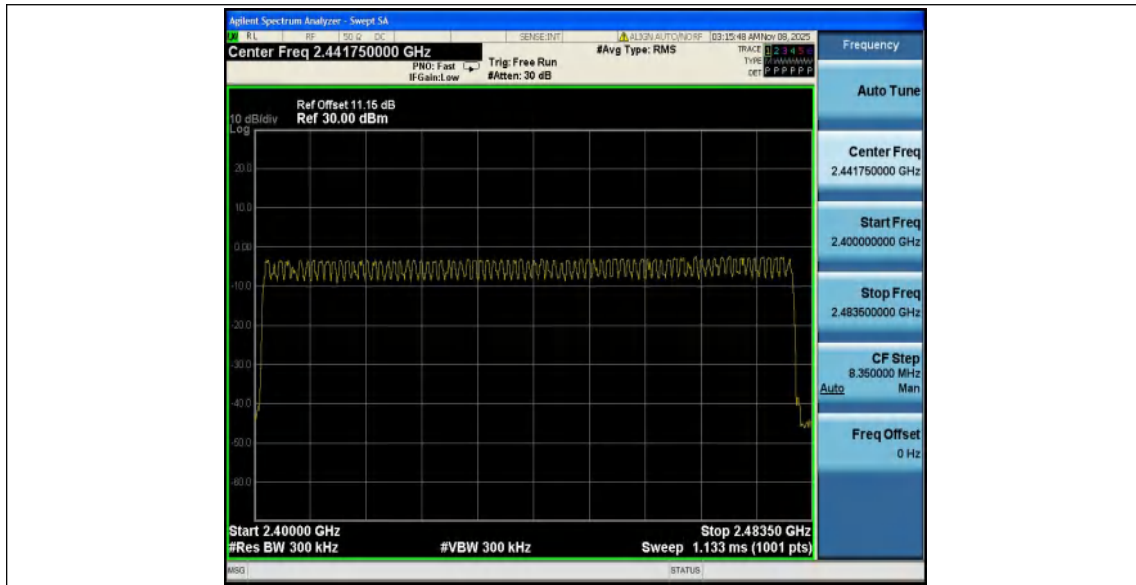
Appendix F: Number of hopping channels

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





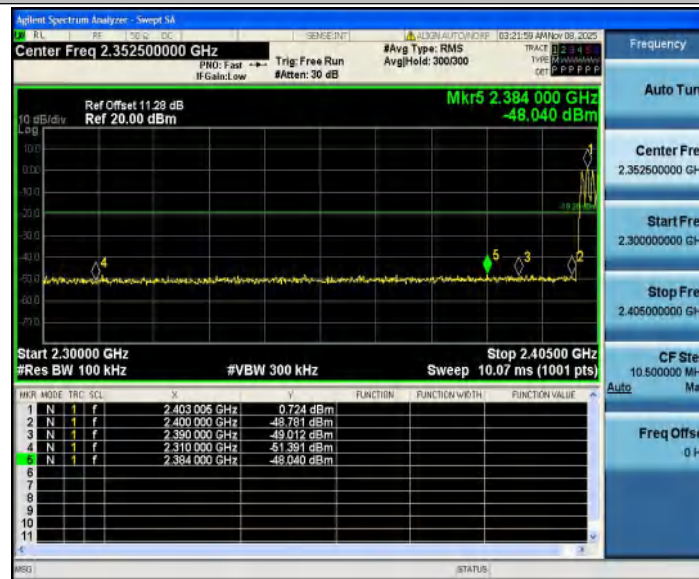
Appendix G: Band edge measurements

Test Result

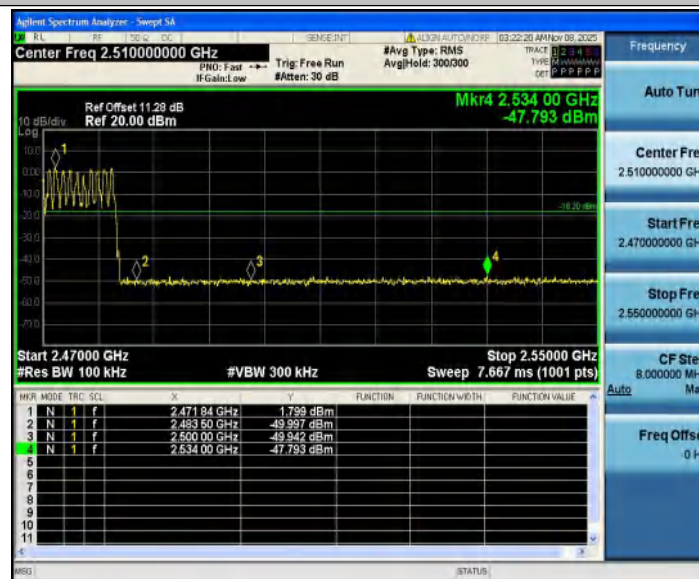
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.72	-48.04	≤ -19.28	PASS
		High	2480	1.80	-47.79	≤ -18.2	PASS
		Low	Hop_2402	-2.00	-40.82	≤ -22	PASS
		High	Hop_2480	-1.89	-40.69	≤ -21.89	PASS
2DH5	Ant1	Low	2402	-4.34	-47.64	≤ -24.34	PASS
		High	2480	-0.94	-47.95	≤ -20.94	PASS
		Low	Hop_2402	-6.69	-40.79	≤ -26.69	PASS
		High	Hop_2480	-3.45	-41.39	≤ -23.45	PASS
3DH5	Ant1	Low	2402	-6.89	-47.73	≤ -26.89	PASS
		High	2480	-4.01	-48.15	≤ -24.01	PASS
		Low	Hop_2402	-3.00	-40.88	≤ -23	PASS
		High	Hop_2480	-1.12	-40.77	≤ -21.12	PASS

Test Graphs

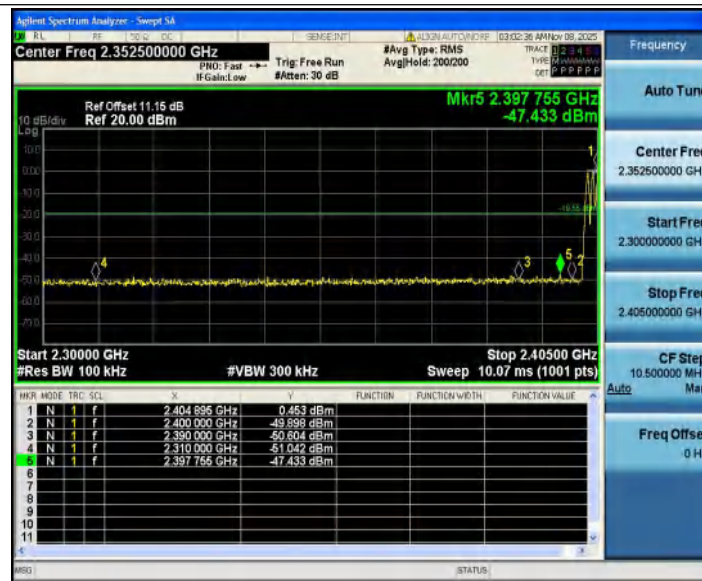
DH5_Ant1_Low_2402



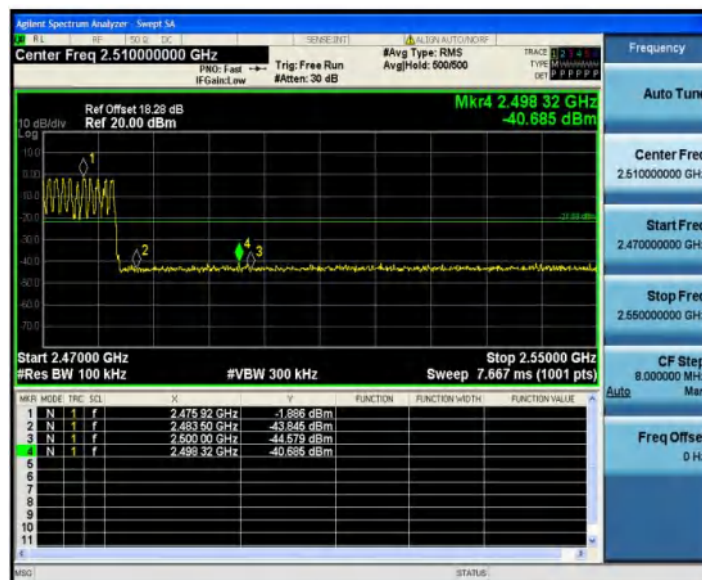
DH5_Ant1_High_2480



DH5_Ant1_Low_Hop_2402



DH5_Ant1_High_Hop_2480



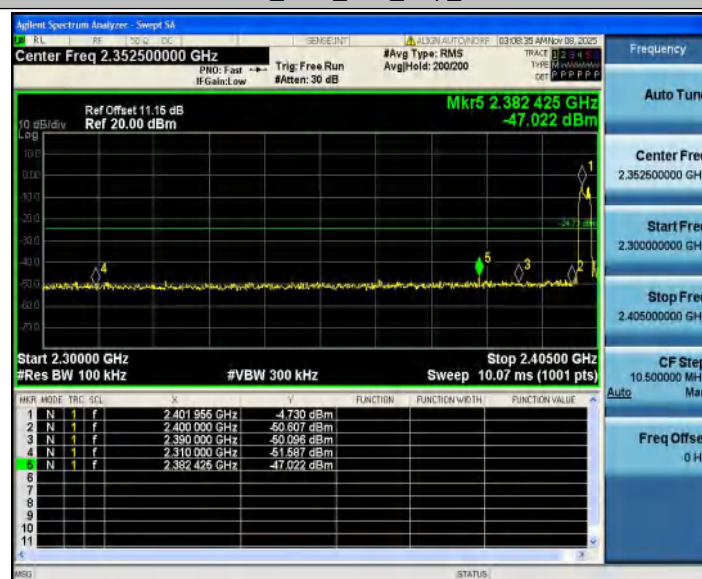
2DH5_Ant1_Low_2402



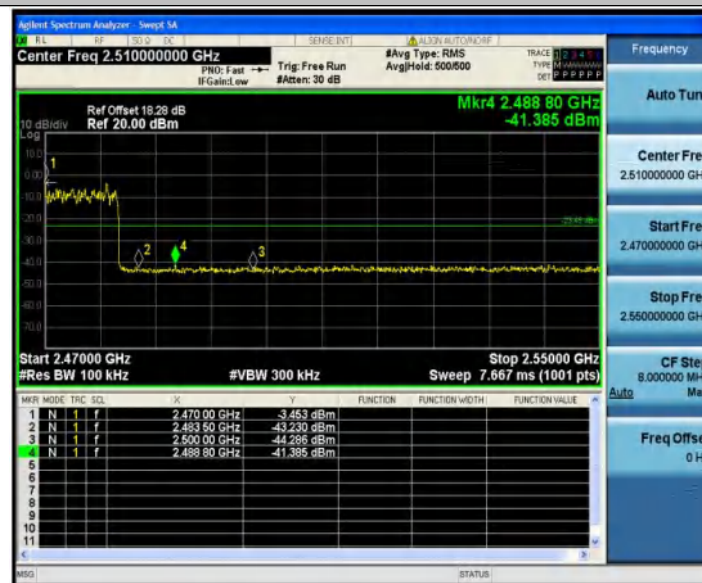
2DH5_Ant1_High_2480



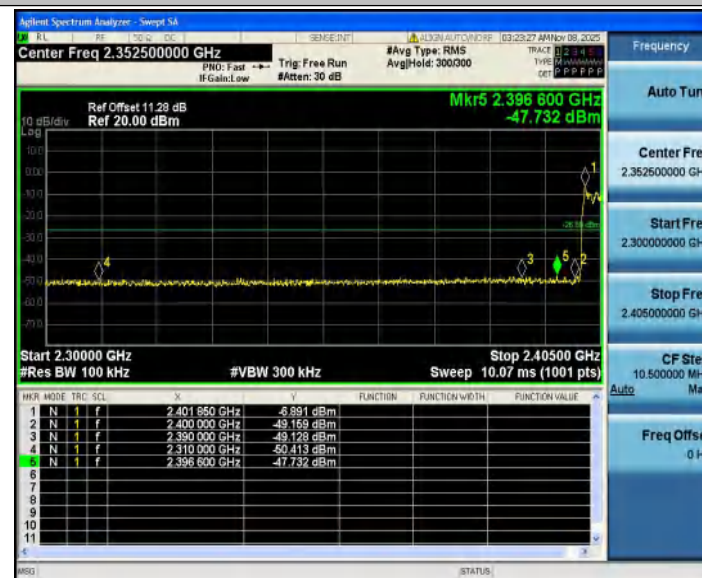
2DH5_Ant1_Low_Hop_2402



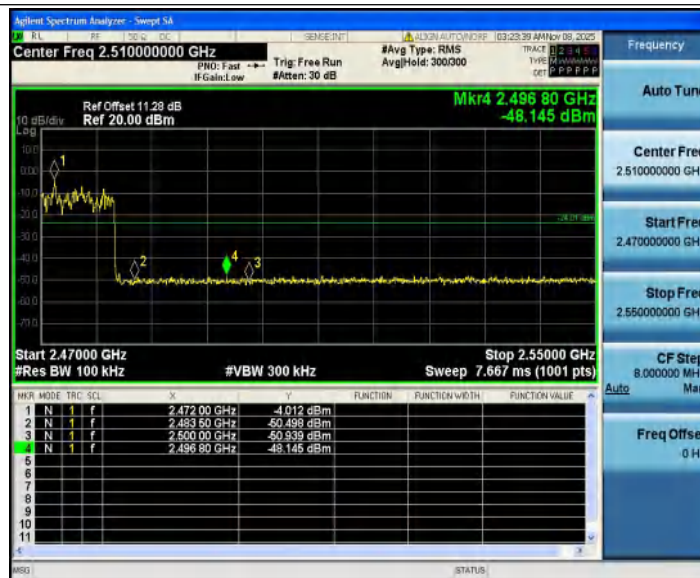
2DH5_Ant1_High_Hop_2480



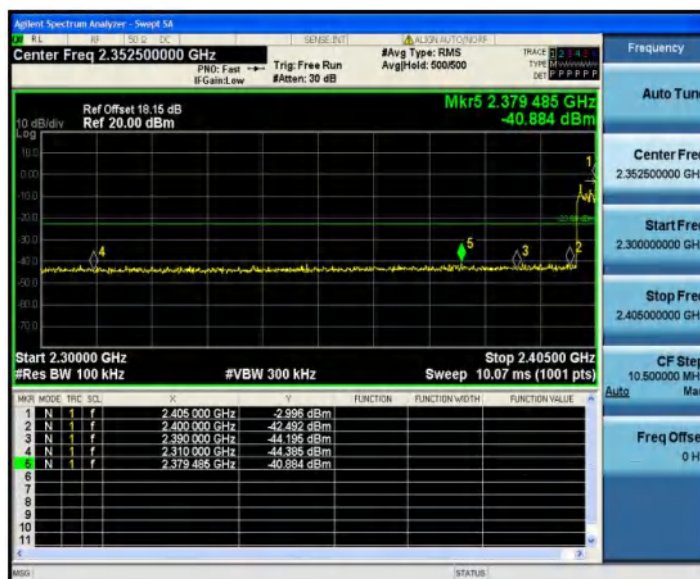
3DH5_Ant1_Low_2402



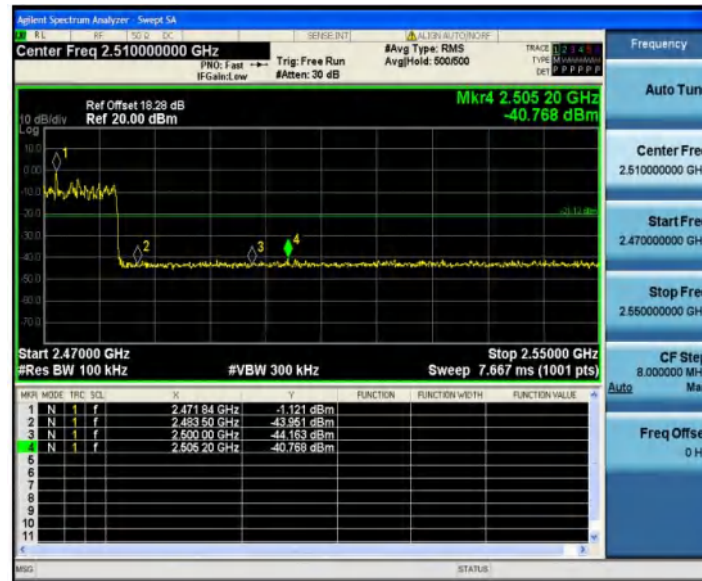
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480



Appendix H: Conducted Spurious Emission

Test Result

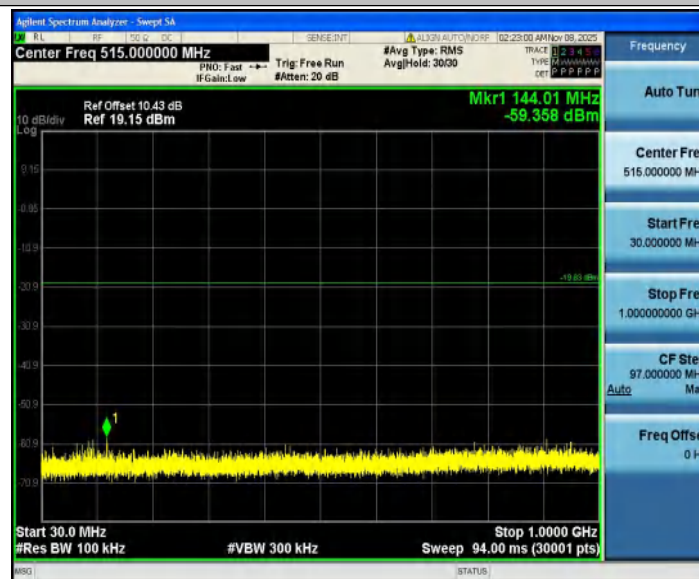
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	0.17	0.17	---	PASS
			30~1000	0.17	-59.36	≤-19.83	PASS
			1000~26500	0.17	-27.52	≤-19.83	PASS
		2441	Reference	1.08	1.08	---	PASS
			30~1000	1.08	-59.8	≤-18.92	PASS
			1000~26500	1.08	-29.84	≤-18.92	PASS
		2480	Reference	1.24	1.24	---	PASS
			30~1000	1.24	-58.31	≤-18.76	PASS
			1000~26500	1.24	-31.26	≤-18.76	PASS
2DH5	Ant1	2402	Reference	-0.38	-0.38	---	PASS
			30~1000	-0.38	-59.4	≤-20.38	PASS
			1000~26500	-0.38	-34.82	≤-20.38	PASS
		2441	Reference	-0.50	-0.50	---	PASS
			30~1000	-0.50	-59.82	≤-20.5	PASS
			1000~26500	-0.50	-30.63	≤-20.5	PASS
		2480	Reference	-1.72	-1.72	---	PASS
			30~1000	-1.72	-60.45	≤-21.72	PASS
			1000~26500	-1.72	-33.78	≤-21.72	PASS
3DH5	Ant1	2402	Reference	-0.27	-0.27	---	PASS
			30~1000	-0.27	-58.27	≤-20.27	PASS
			1000~26500	-0.27	-34.02	≤-20.27	PASS
		2441	Reference	-3.54	-3.54	---	PASS
			30~1000	-3.54	-58.55	≤-23.54	PASS
			1000~26500	-3.54	-33.4	≤-23.54	PASS
		2480	Reference	1.73	1.73	---	PASS
			30~1000	1.73	-57.65	≤-18.27	PASS
			1000~26500	1.73	-36.42	≤-18.27	PASS

Test Graphs

DH5_Ant1_2402_0~Reference



DH5_Ant1_2402_30~1000



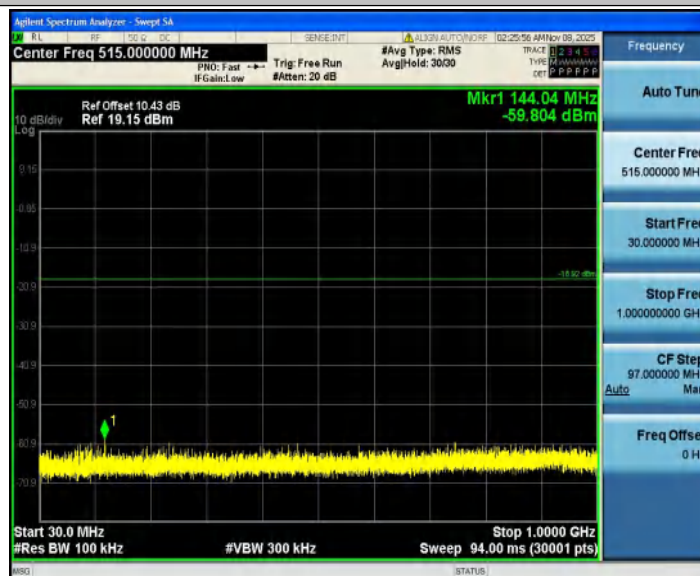
DH5_Ant1_2402_1000~26500



DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000



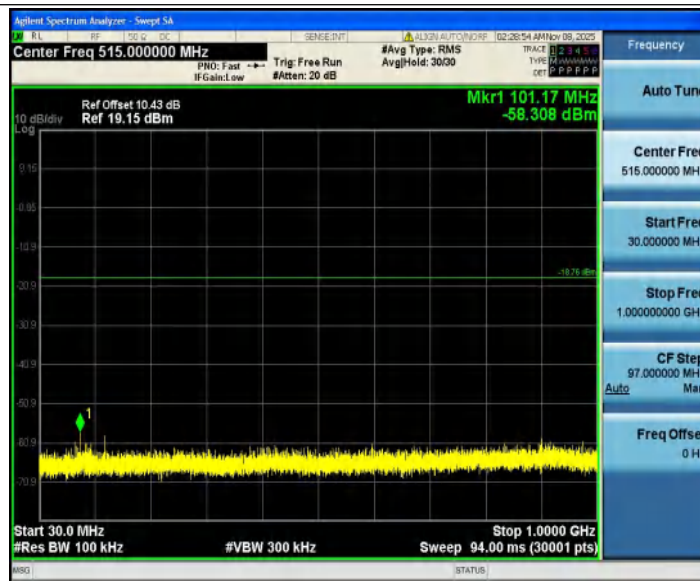
DH5_Ant1_2441_1000~26500



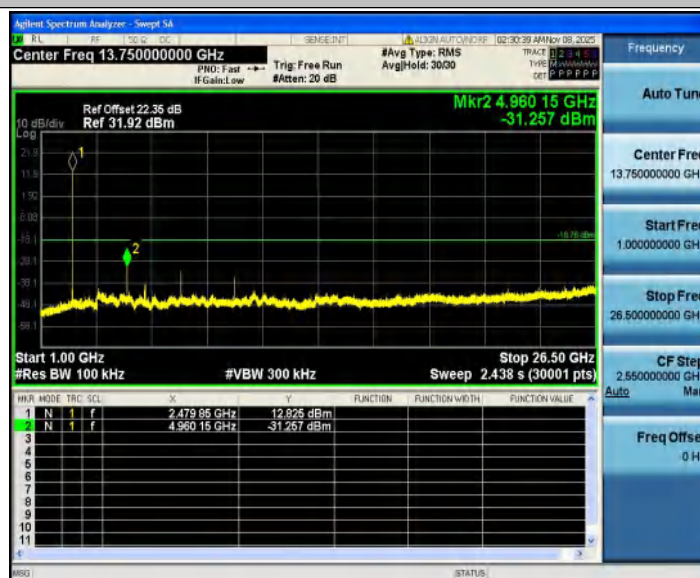
DH5_Ant1_2480_0~Reference



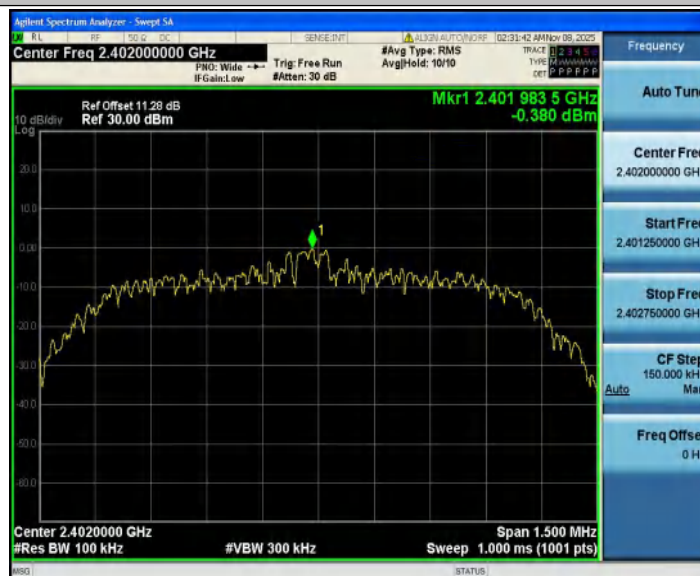
DH5_Ant1_2480_30~1000



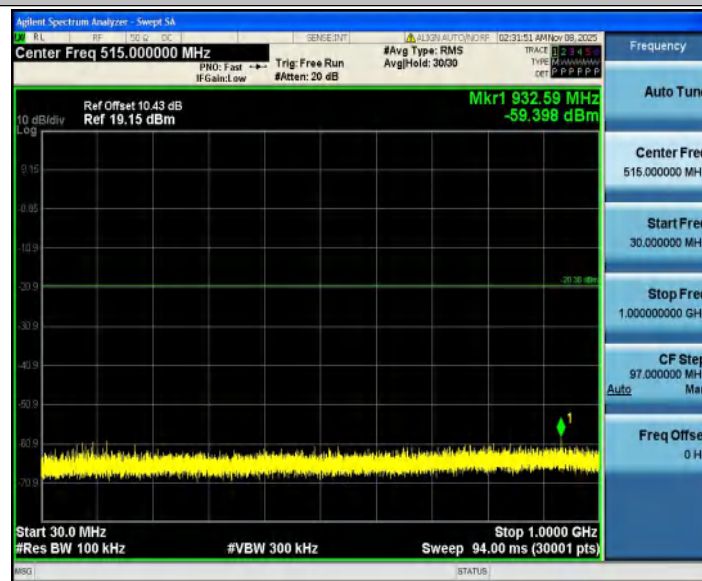
DH5_Ant1_2480_1000~26500



2DH5_Ant1_2402_0~Reference



2DH5_Ant1_2402_30~1000



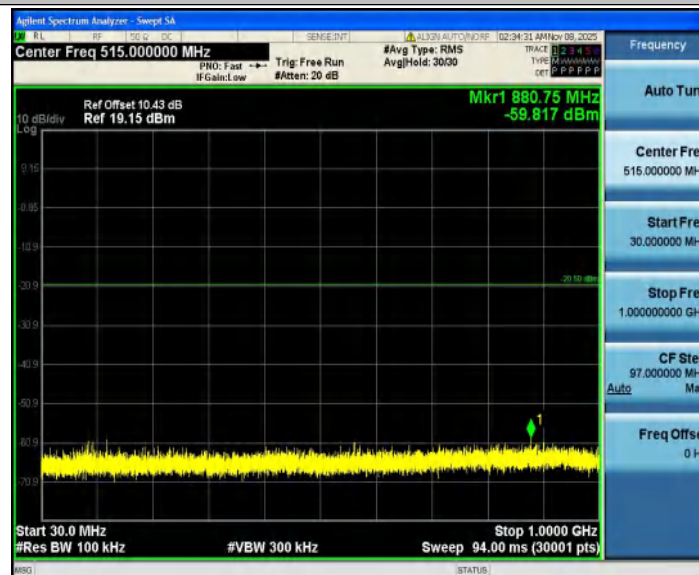
2DH5_Ant1_2402_1000~26500



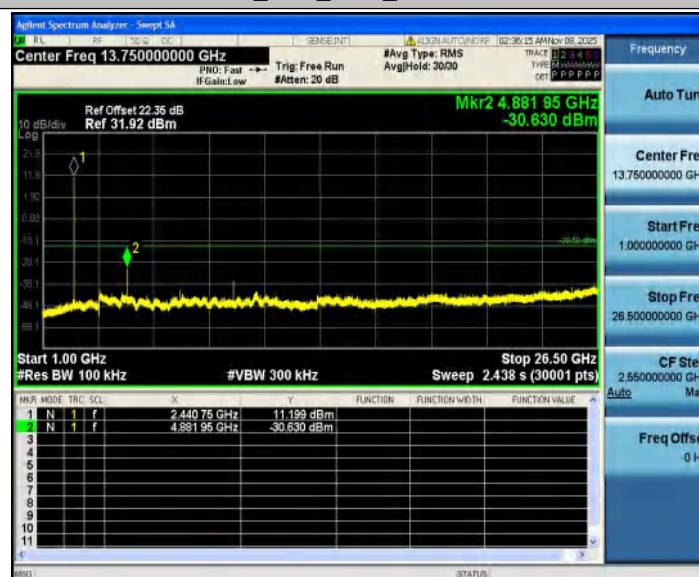
2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000



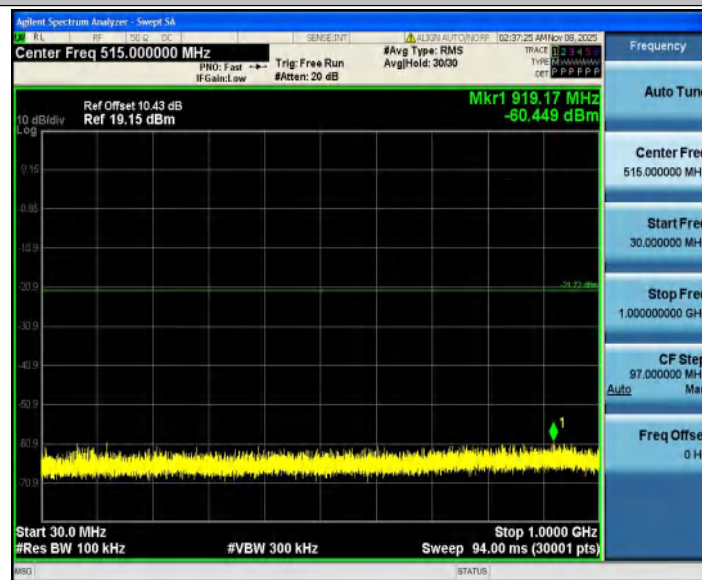
2DH5_Ant1_2441_1000~26500



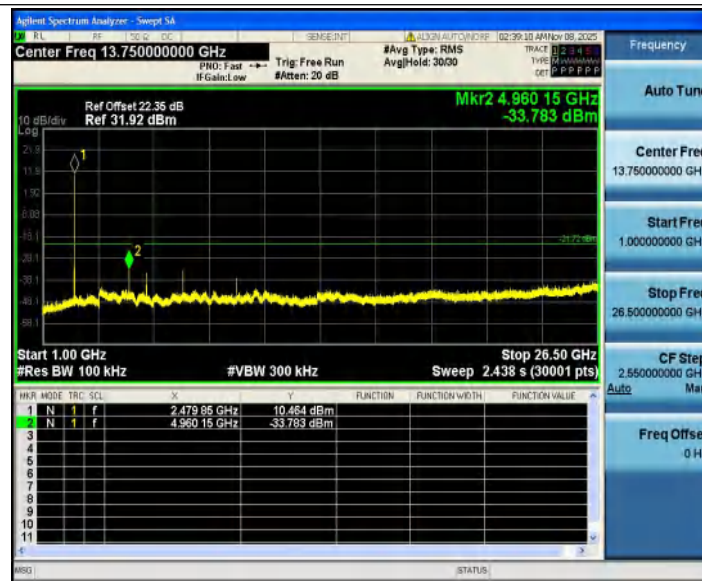
2DH5_Ant1_2480_0~Reference



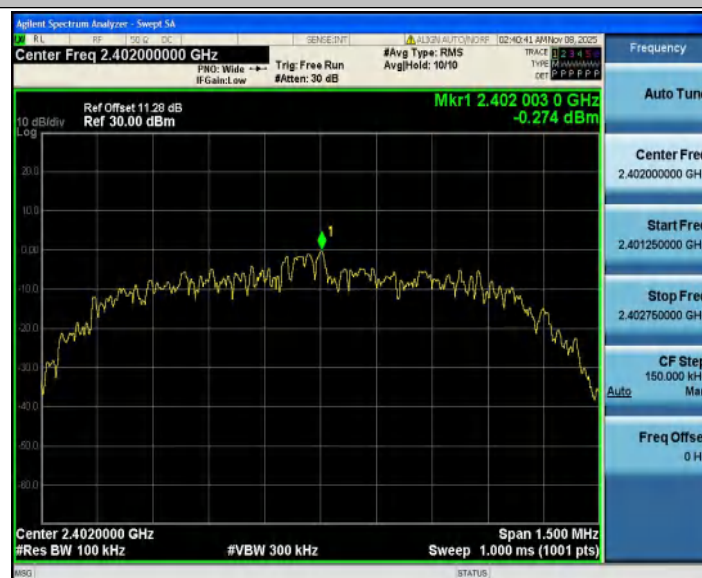
2DH5_Ant1_2480_30~1000



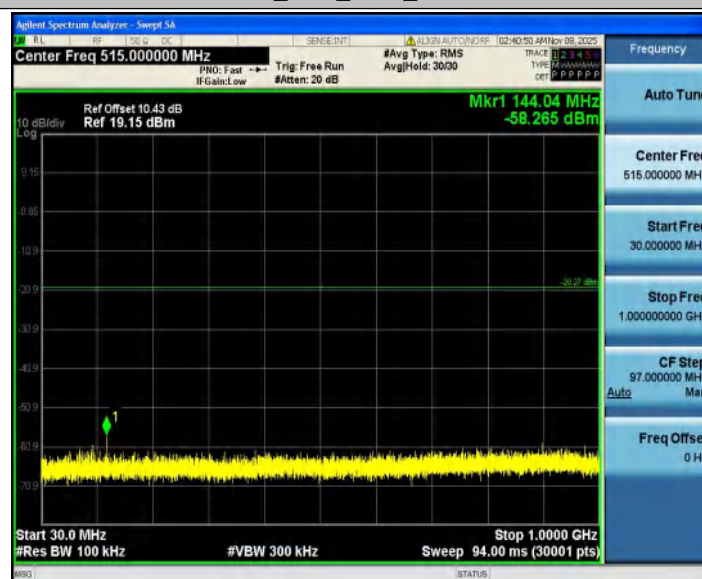
2DH5_Ant1_2480_1000~26500



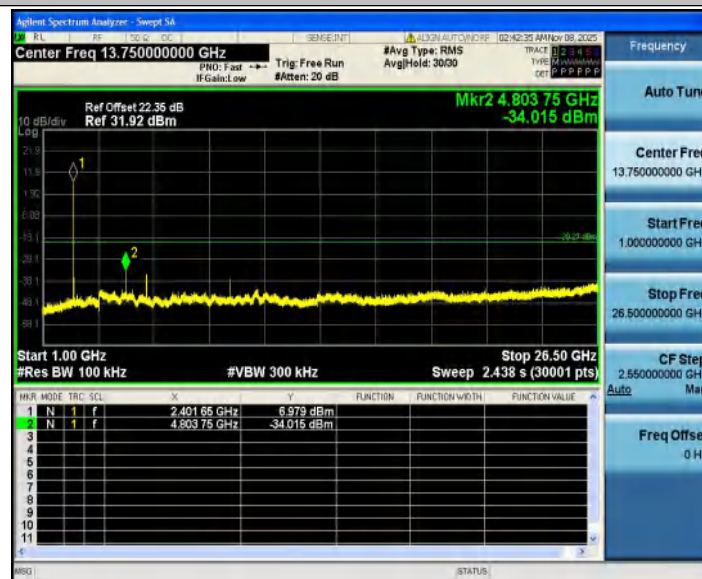
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



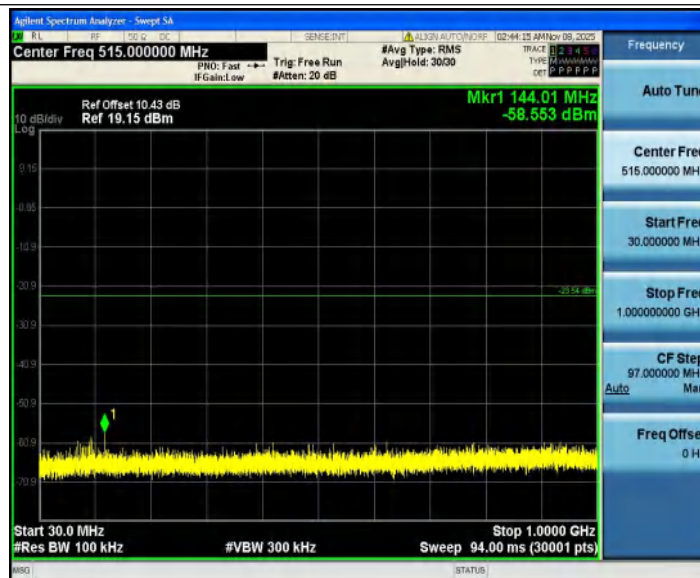
3DH5_Ant1_2402_1000~26500



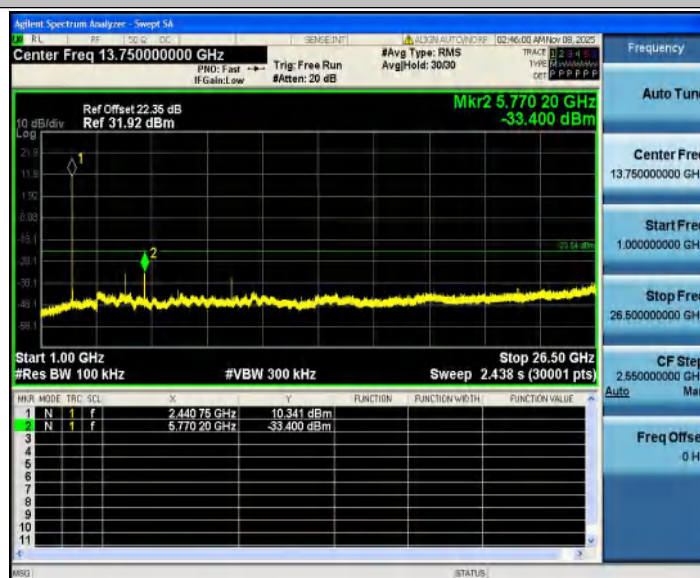
3DH5_Ant1_2441_0~Reference



3DH5_Ant1_2441_30~1000



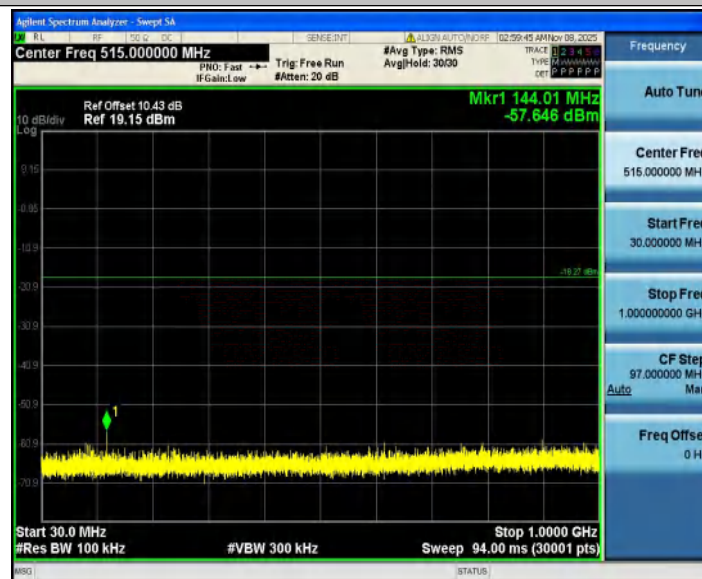
3DH5_Ant1_2441_1000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500

