

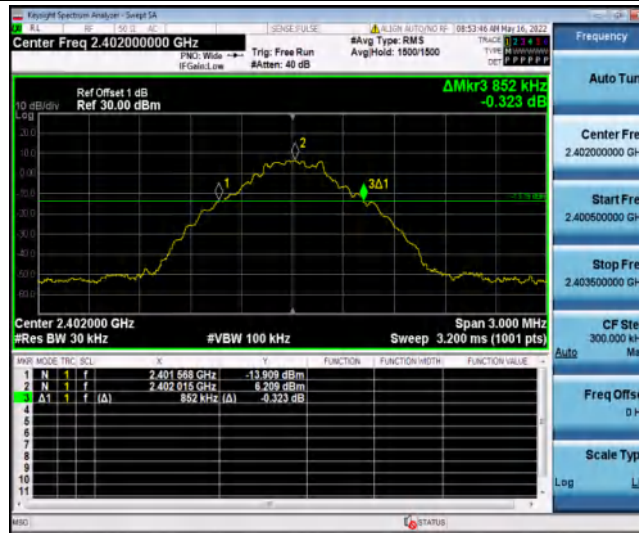
Annex for FCC BT

Test Report No. :CTL2203279012-WF03

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

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.852	2401.568	2402.420	---	PASS
		2441	0.849	2440.571	2441.420	---	PASS
		2480	0.849	2479.568	2480.417	---	PASS
2DH5	Ant1	2402	1.269	2401.373	2402.642	---	PASS
		2441	1.272	2440.370	2441.642	---	PASS
		2480	1.272	2479.370	2480.642	---	PASS
3DH5	Ant1	2402	1.281	2401.355	2402.636	---	PASS
		2441	1.272	2440.358	2441.630	---	PASS
		2480	1.272	2479.358	2480.630	---	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



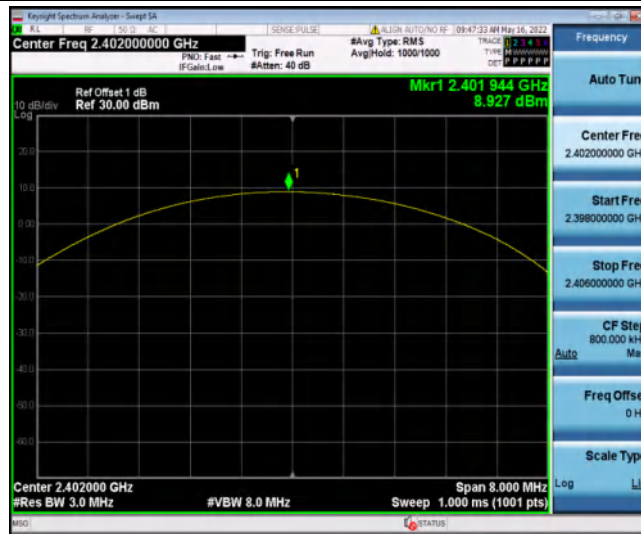
3DH5_Ant1_2480

Appendix B: Maximum conducted output power

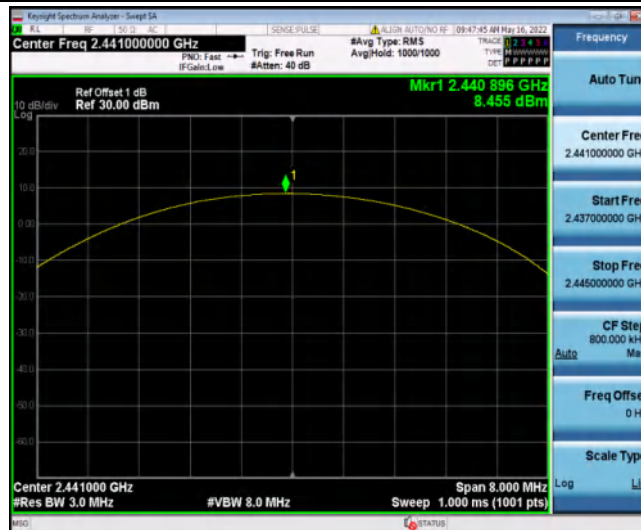
Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	8.93	≤30	PASS
		2441	8.46	≤30	PASS
		2480	8.53	≤30	PASS
2DH5	Ant1	2402	8.09	≤20.97	PASS
		2441	7.69	≤20.97	PASS
		2480	7.82	≤20.97	PASS
3DH5	Ant1	2402	8.13	≤20.97	PASS
		2441	7.71	≤20.97	PASS
		2480	7.82	≤20.97	PASS

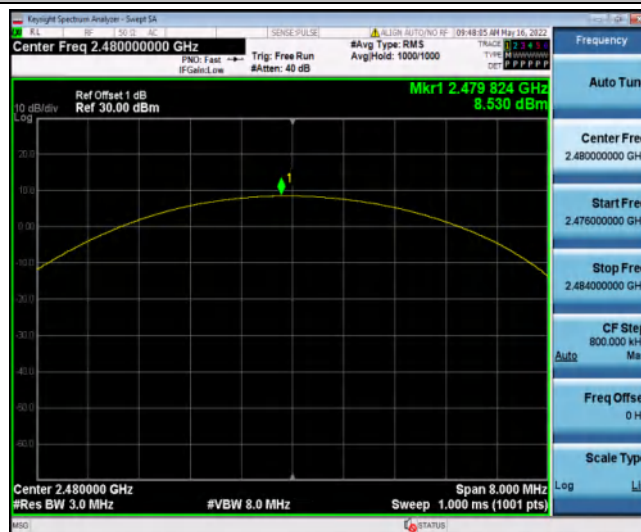
Test Graphs



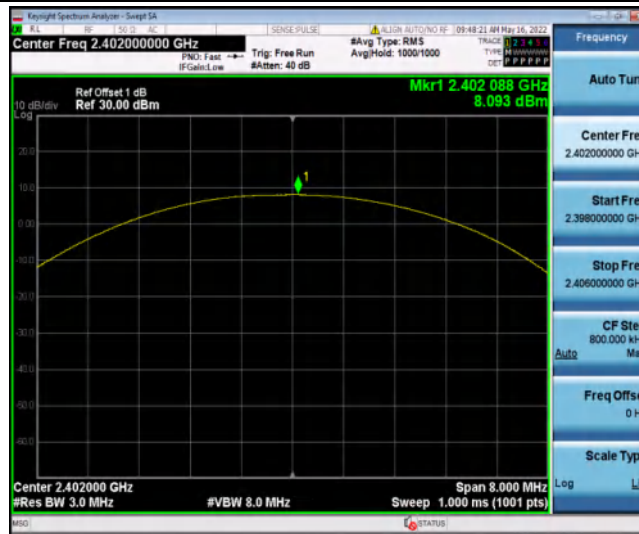
DH5_Ant1_2402



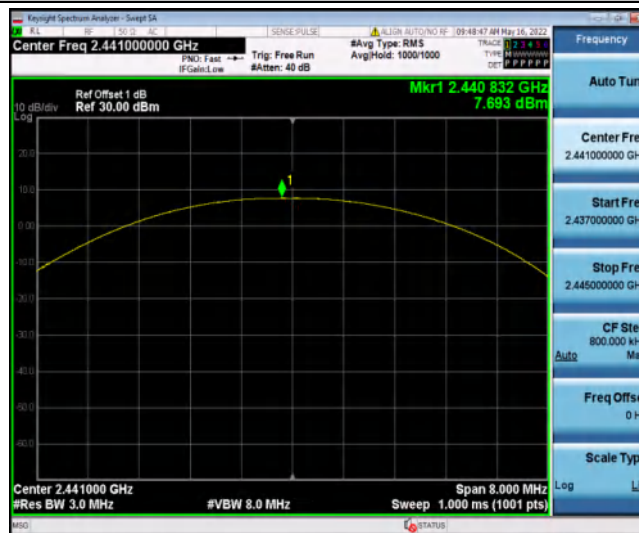
DH5_Ant1_2441



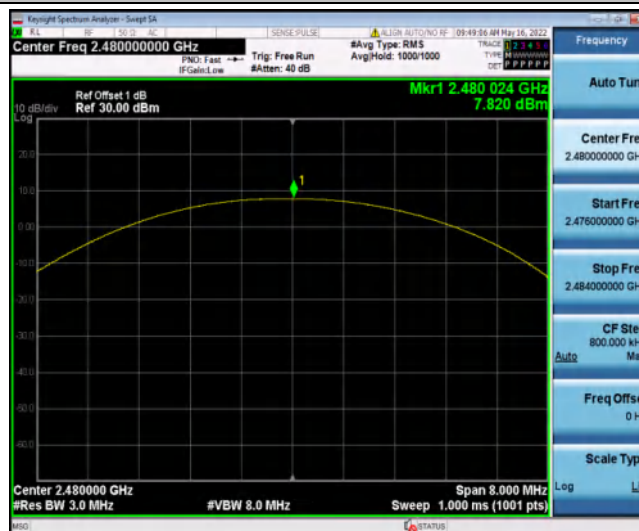
DH5_Ant1_2480



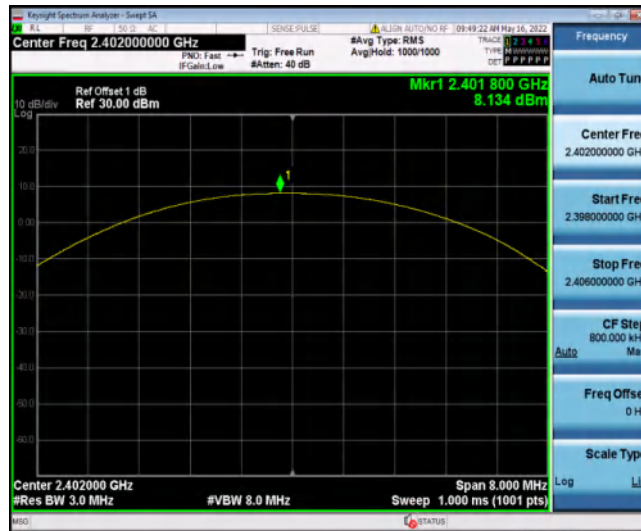
2DH5_Ant1_2402



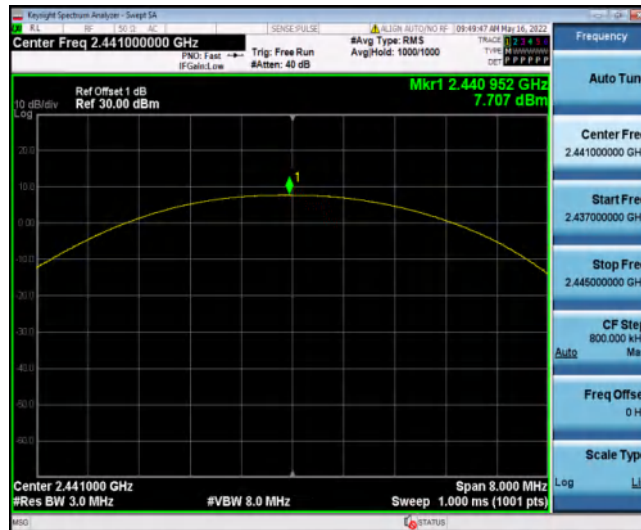
2DH5_Ant1_2441



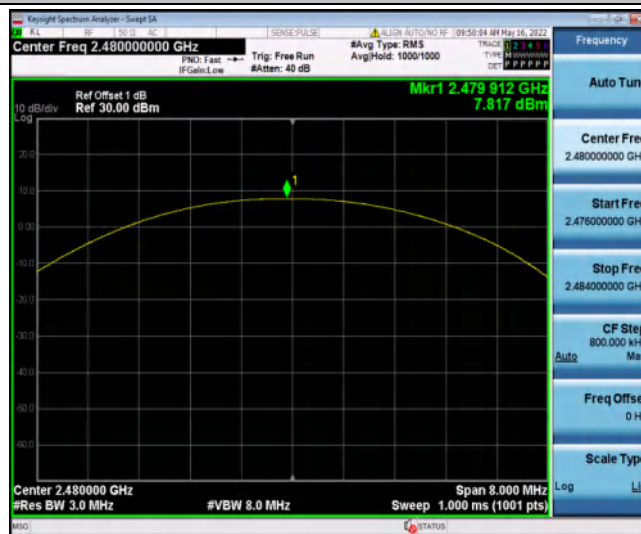
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480

Appendix C: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.852	PASS
2DH5	Ant1	Hop	1.002	≥ 0.848	PASS
3DH5	Ant1	Hop	1.002	≥ 0.854	PASS

Appendix D: Time of occupancy

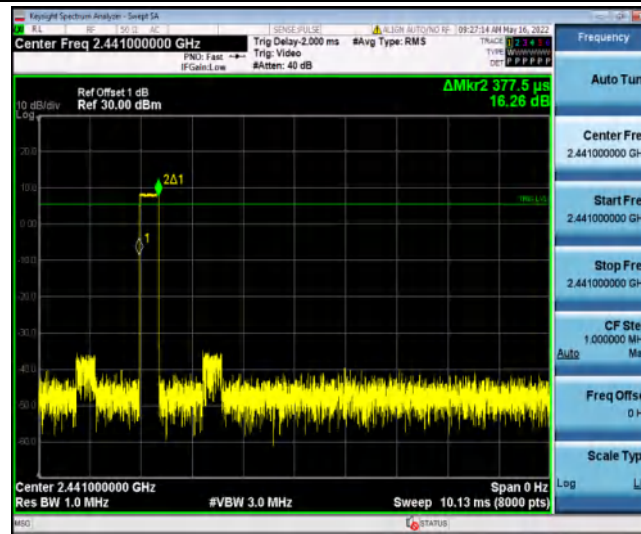
Test Result

TestMode	Antenna	Channel	Pulse time [ms]	Total pulse [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	330	0.125	≤0.4	PASS
DH3	Ant1	Hop	1.63	190	0.31	≤0.4	PASS
DH5	Ant1	Hop	2.88	110	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.38	330	0.127	≤0.4	PASS
2DH3	Ant1	Hop	1.64	190	0.311	≤0.4	PASS
2DH5	Ant1	Hop	2.88	120	0.346	≤0.4	PASS
3DH1	Ant1	Hop	0.39	330	0.127	≤0.4	PASS
3DH3	Ant1	Hop	1.63	180	0.294	≤0.4	PASS
3DH5	Ant1	Hop	2.89	120	0.346	≤0.4	PASS

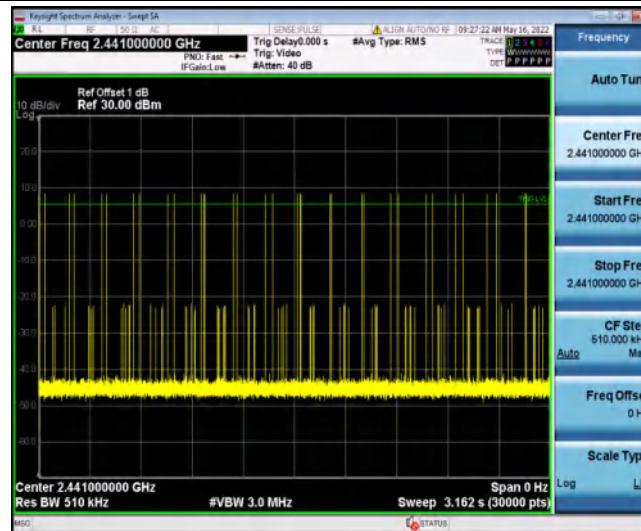
Note: (1) Dwell time=Pulse time (ms) × Total Pulse number s

(2) Total Pulse number= Pulse number in 3.16 s × 10

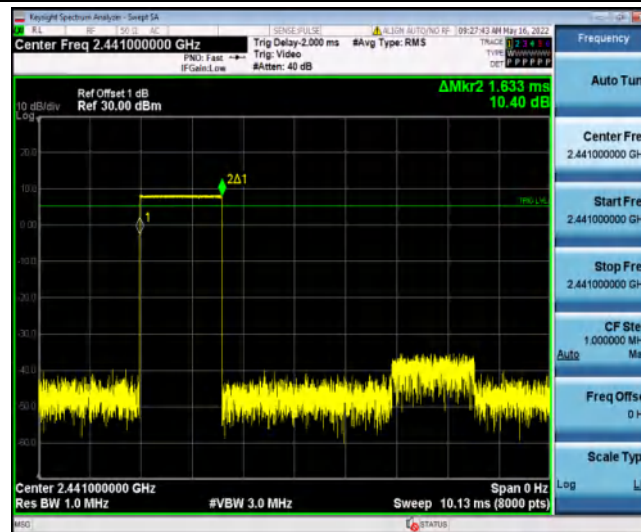
Test Graphs



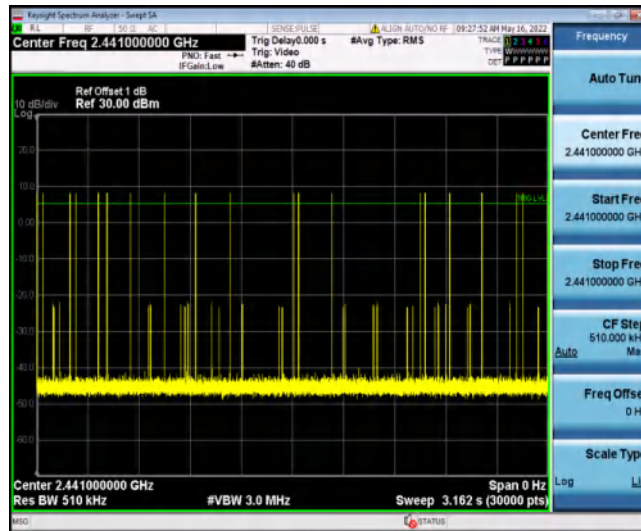
DH1_Ant1_Hop



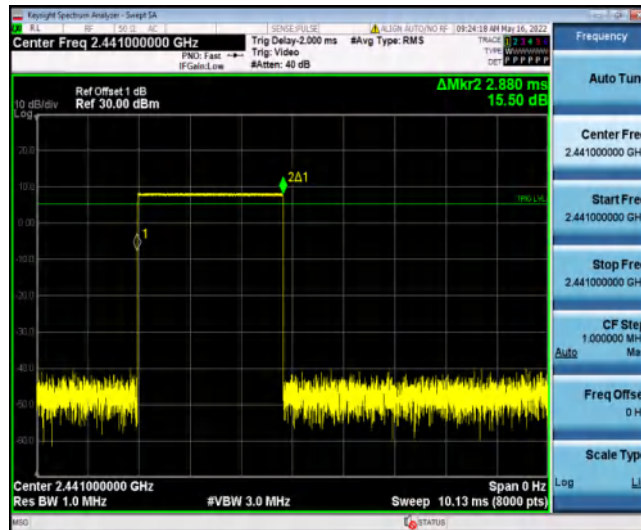
DH1_Ant1_Hop



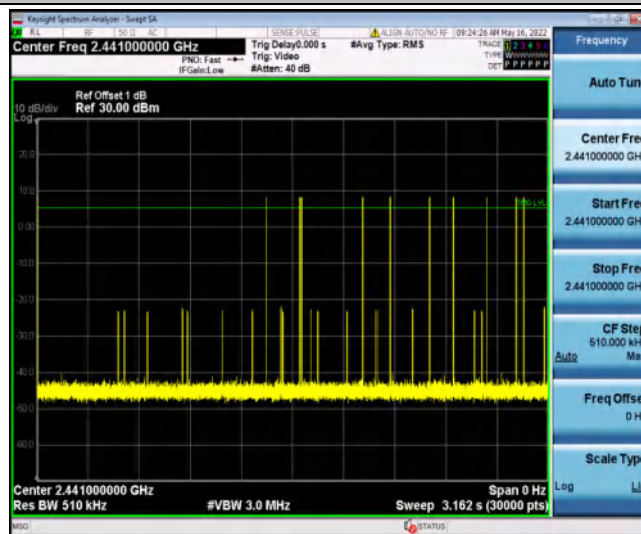
DH3_Ant1_Hop



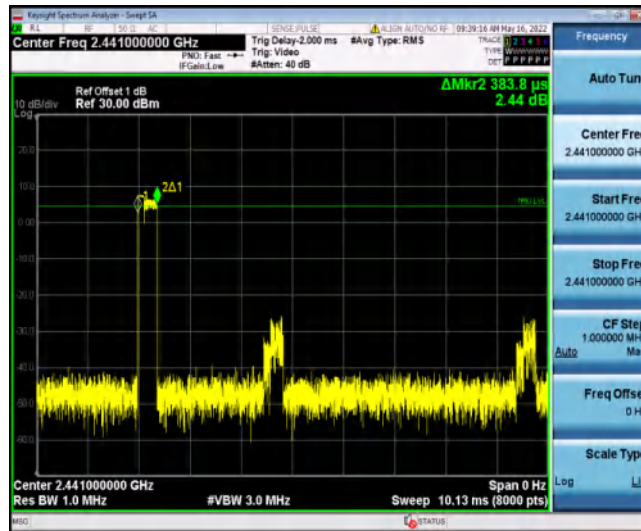
DH3_Ant1_Hop



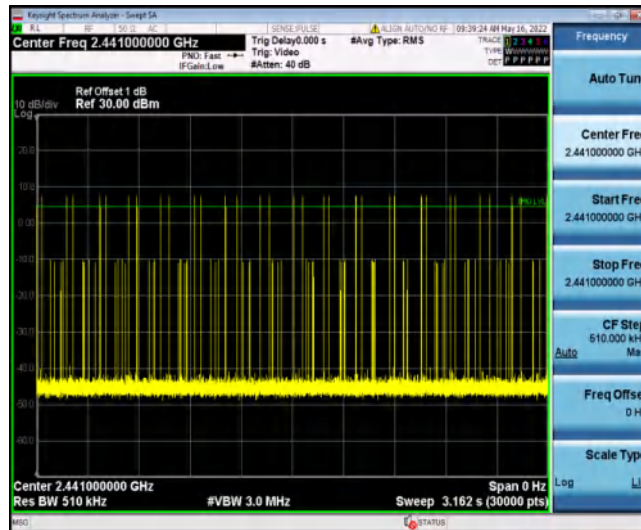
DH5_Ant1_Hop



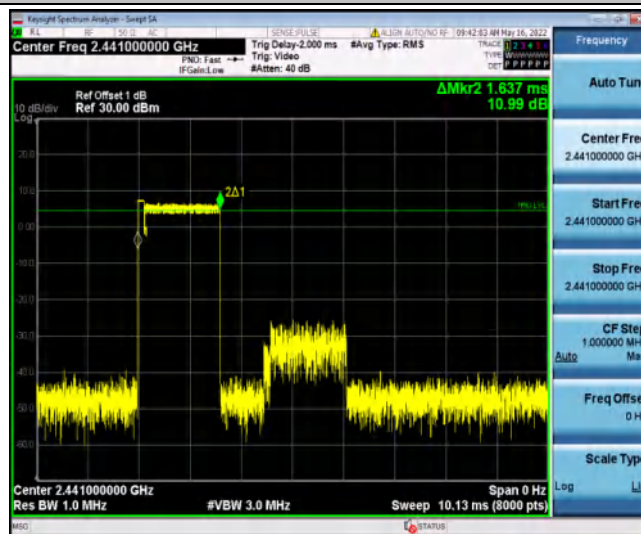
DH5_Ant1_Hop



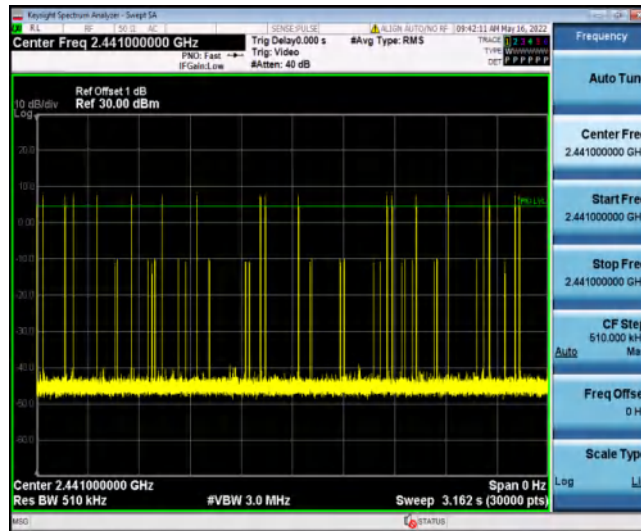
2DH1_Ant1_Hop



2DH1_Ant1_Hop



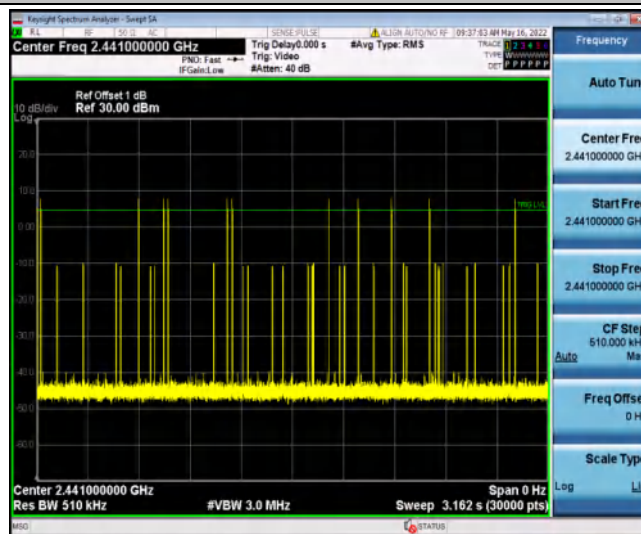
2DH3_Ant1_Hop



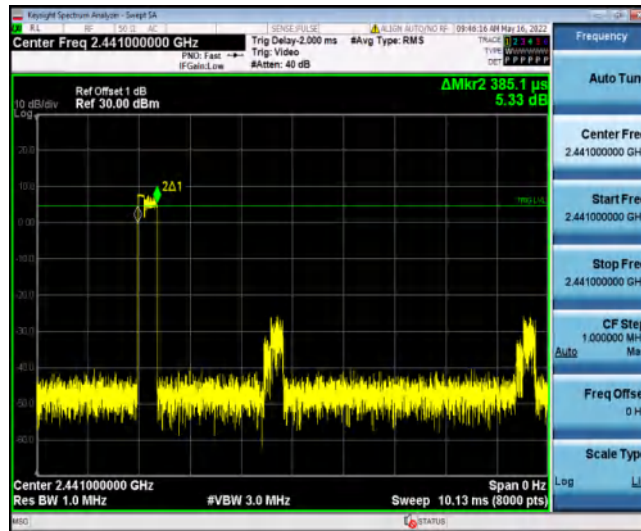
2DH3_Ant1_Hop



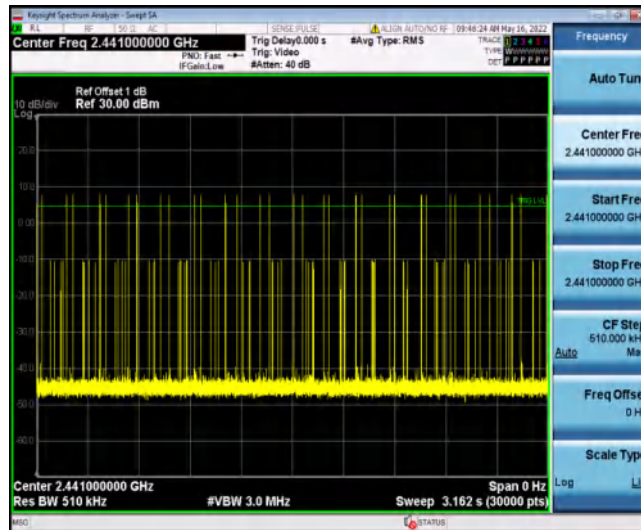
2DH5_Ant1_Hop



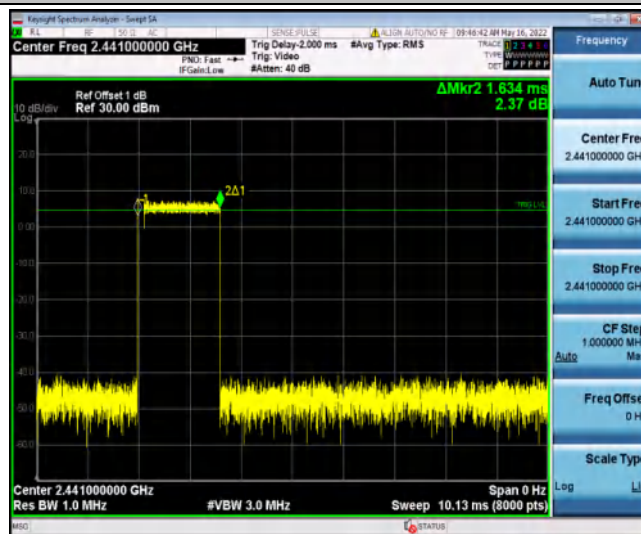
2DH5_Ant1_Hop



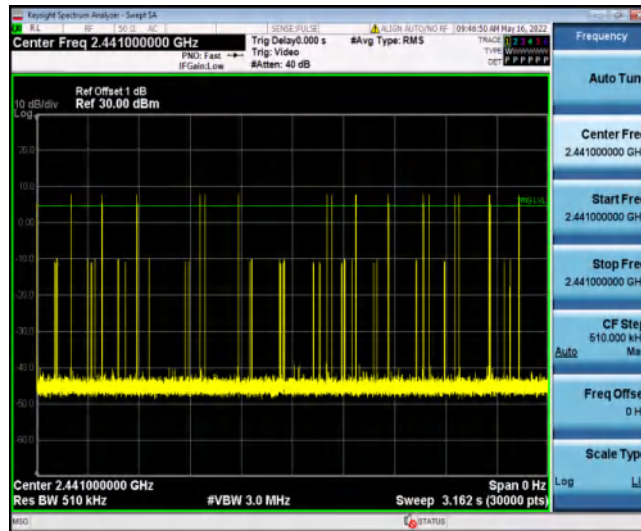
3DH1_Ant1_Hop



3DH1_Ant1_Hop



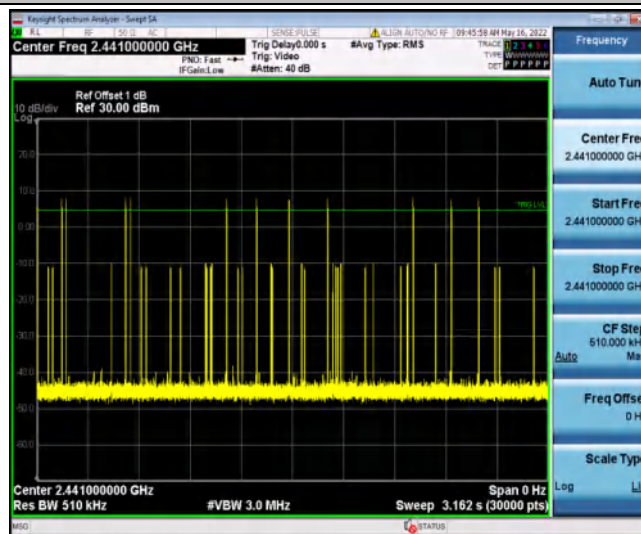
3DH3_Ant1_Hop



3DH3_Ant1_Hop



3DH5_Ant1_Hop



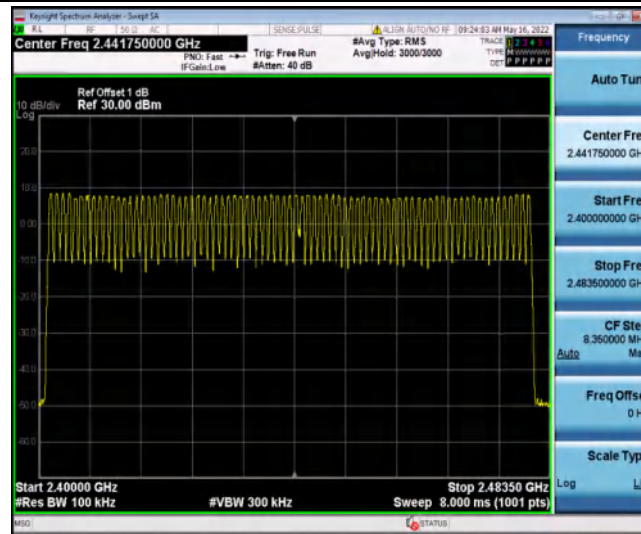
3DH5_Ant1_Hop

Appendix E: Number of hopping channels

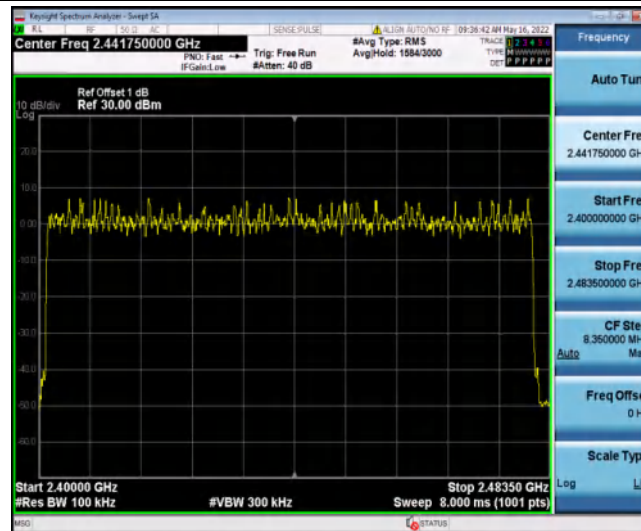
Test Result

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

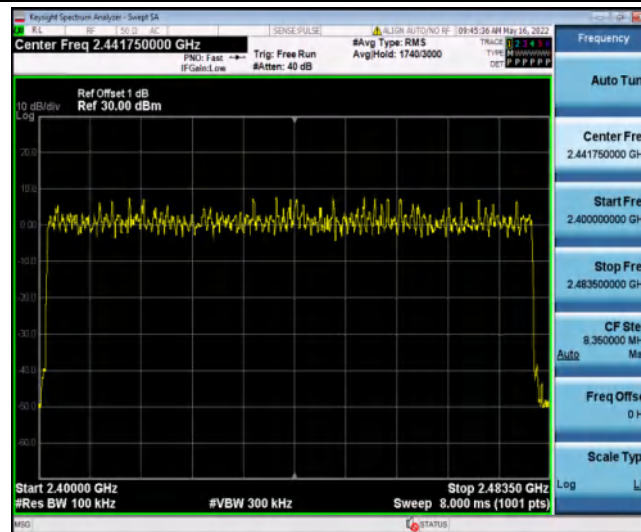
Test Graphs



DH5_Ant1_Hop



2DH5_Ant1_Hop



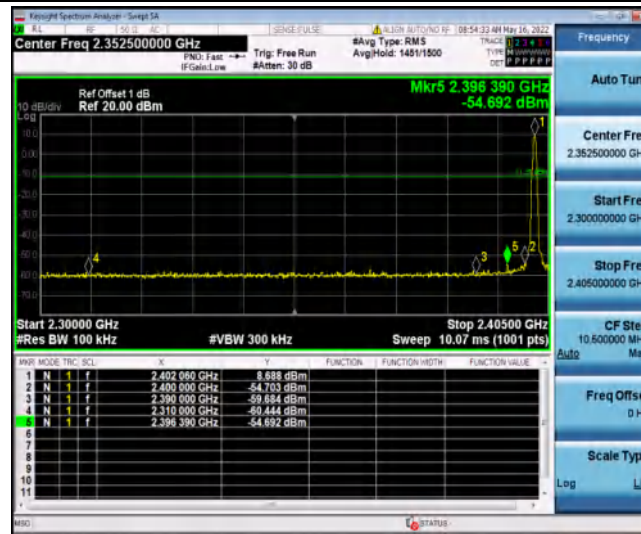
3DH5_Ant1_Hop

Appendix F: Band edge measurements

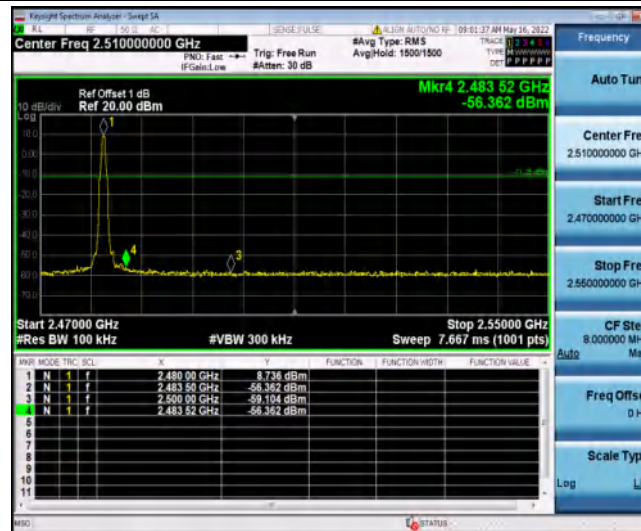
Test Result

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	8.69	-54.69	≤ -11.31	PASS
		High	2480	8.74	-56.36	≤ -11.26	PASS
		Low	Hop_2402	8.44	-57.74	≤ -11.56	PASS
		High	Hop_2480	7.80	-56.44	≤ -12.2	PASS
2DH5	Ant1	Low	2402	7.87	-53.73	≤ -12.13	PASS
		High	2480	8.11	-56.41	≤ -11.89	PASS
		Low	Hop_2402	5.75	-57.34	≤ -14.26	PASS
		High	Hop_2480	6.64	-55.9	≤ -13.36	PASS
3DH5	Ant1	Low	2402	8.25	-54.24	≤ -11.75	PASS
		High	2480	7.68	-56.74	≤ -12.32	PASS
		Low	Hop_2402	7.90	-56.41	≤ -12.1	PASS
		High	Hop_2480	7.02	-56.78	≤ -12.98	PASS

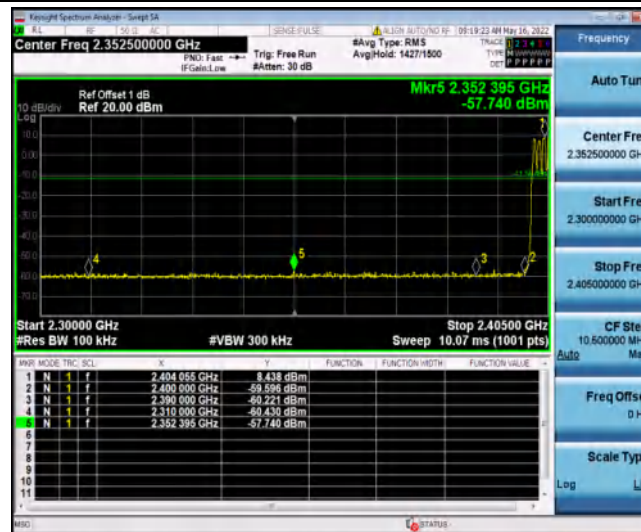
Test Graphs



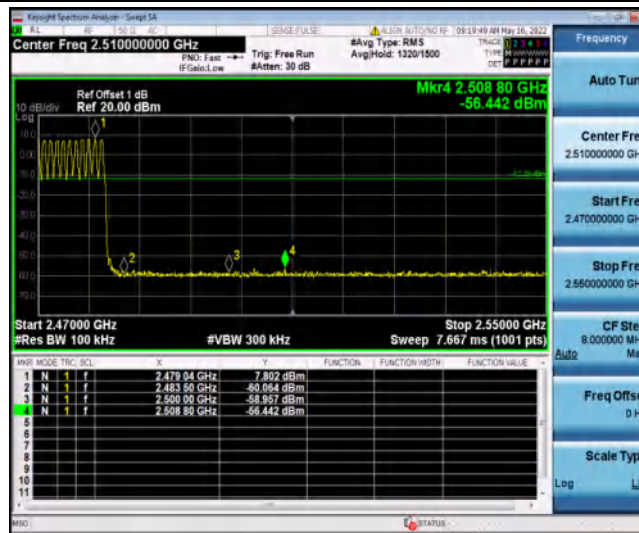
DH5_Ant1_Low_2402



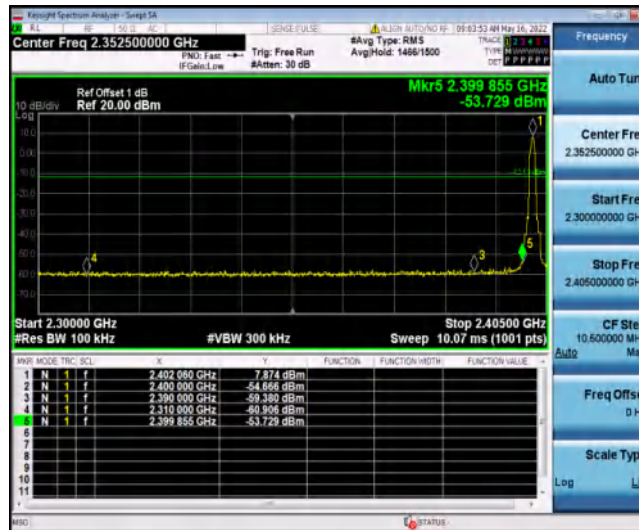
DH5_Ant1_High_2480



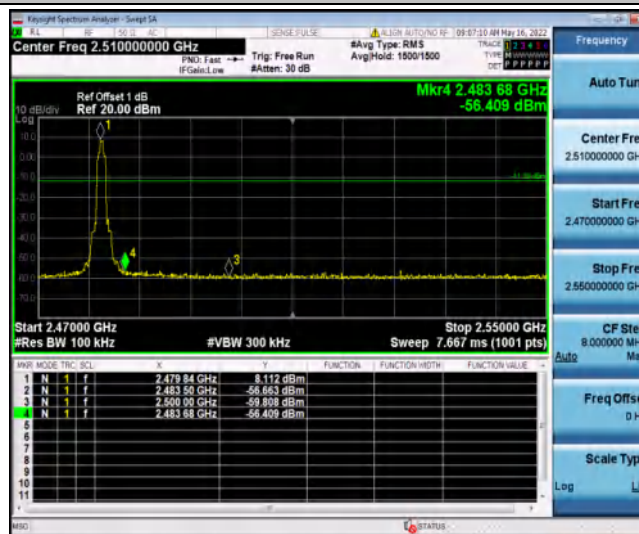
DH5_Ant1_Low_Hop_2402



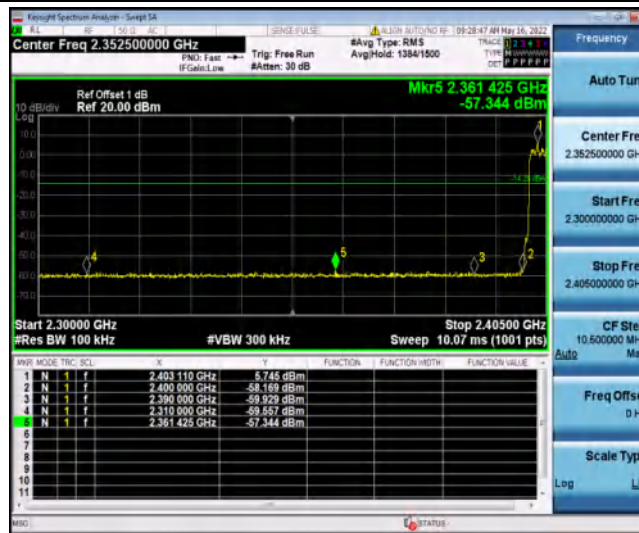
DH5_Ant1_High_Hop_2480



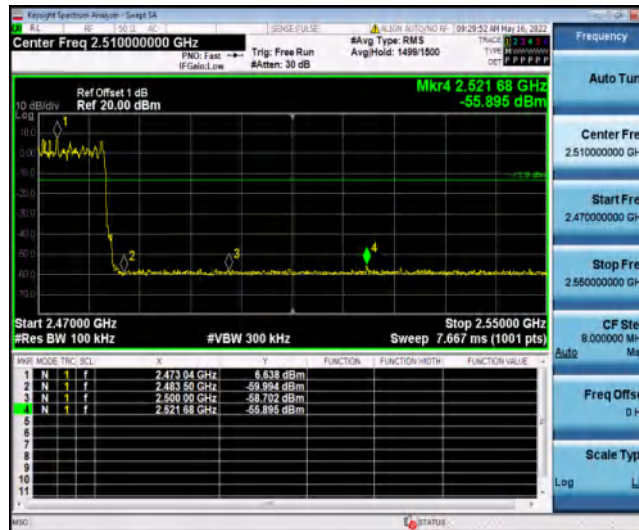
2DH5_Ant1_Low_2402



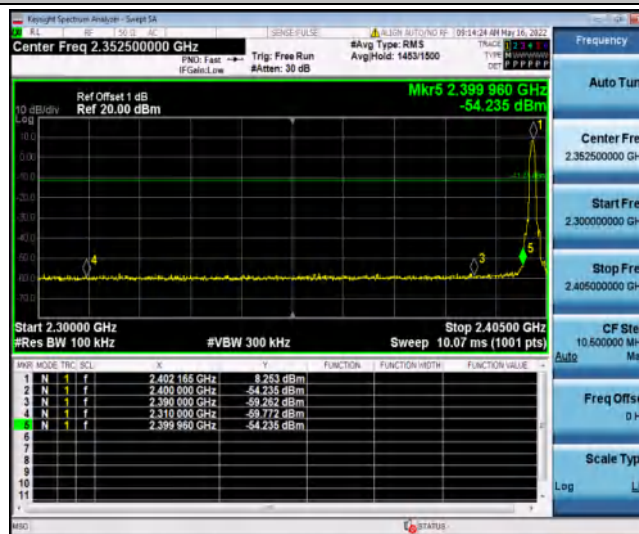
2DH5_Ant1_High_2480



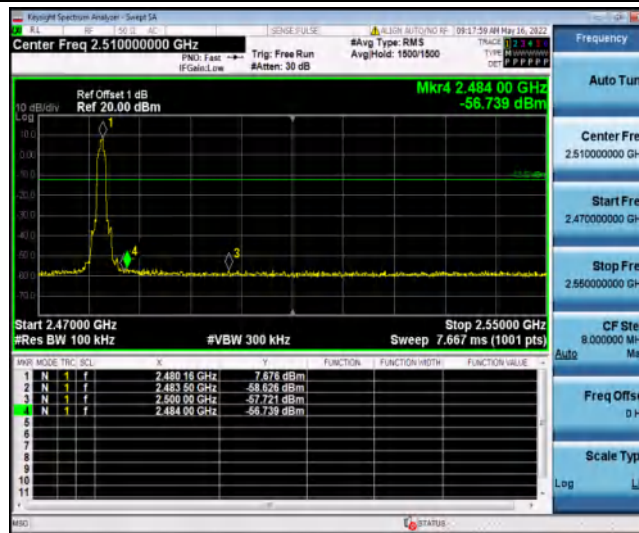
2DH5_Ant1_Low_Hop_2402



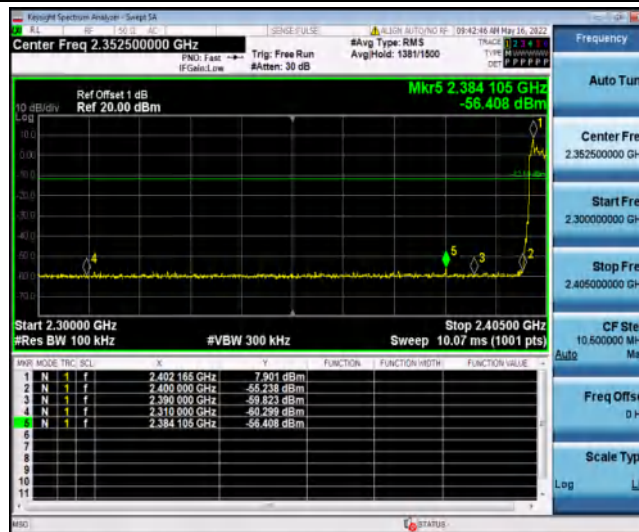
2DH5_Ant1_High_Hop_2480



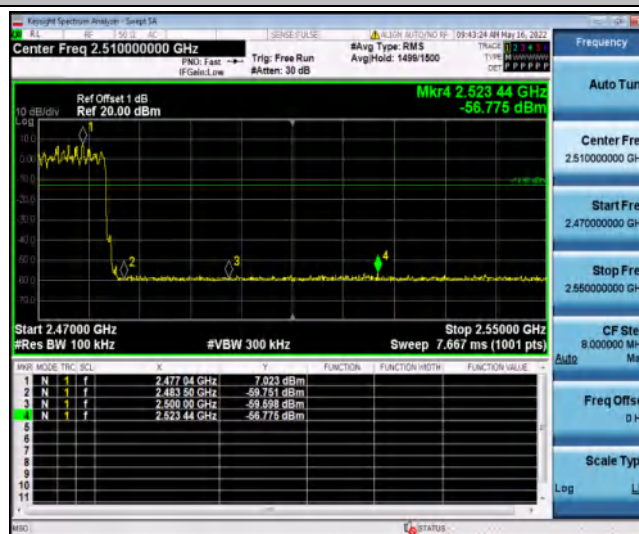
3DH5_Ant1_Low_2402



3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



3DH5_Ant1_High_Hop_2480

Appendix G: Conducted Spurious Emission

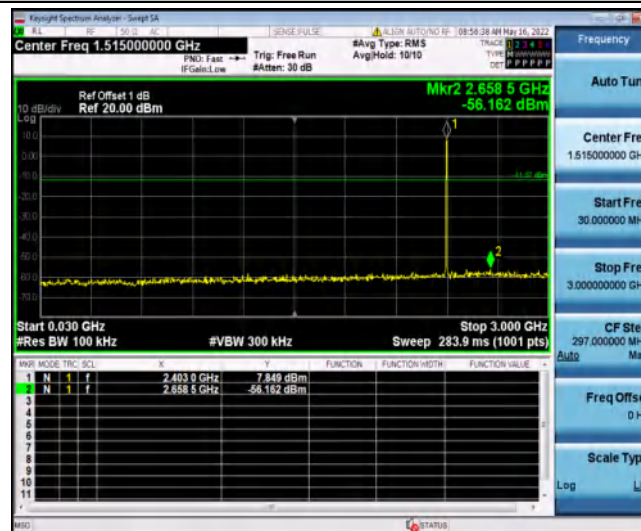
Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	8.13	8.13	---	PASS
			30~3000	8.13	-56.16	≤ -11.87	PASS
			3000~26500	8.13	-45.57	≤ -11.87	PASS
		2441	Reference	7.82	7.82	---	PASS
			30~3000	7.82	-56.98	≤ -12.18	PASS
			3000~26500	7.82	-44.91	≤ -12.18	PASS
		2480	Reference	8.43	8.43	---	PASS
			30~3000	8.43	-56.77	≤ -11.57	PASS
			3000~26500	8.43	-44.25	≤ -11.57	PASS
2DH5	Ant1	2402	Reference	7.32	7.32	---	PASS
			30~3000	7.32	-57.16	≤ -12.68	PASS
			3000~26500	7.32	-45.2	≤ -12.68	PASS
		2441	Reference	6.72	6.72	---	PASS
			30~3000	6.72	-56.12	≤ -13.28	PASS
			3000~26500	6.72	-44.79	≤ -13.28	PASS
		2480	Reference	7.53	7.53	---	PASS
			30~3000	7.53	-56.67	≤ -12.47	PASS
			3000~26500	7.53	-45.02	≤ -12.47	PASS
3DH5	Ant1	2402	Reference	7.72	7.72	---	PASS
			30~3000	7.72	-56.08	≤ -12.28	PASS
			3000~26500	7.72	-45.62	≤ -12.28	PASS
		2441	Reference	7.29	7.29	---	PASS
			30~3000	7.29	-56.47	≤ -12.71	PASS
			3000~26500	7.29	-45.08	≤ -12.71	PASS
		2480	Reference	7.51	7.51	---	PASS
			30~3000	7.51	-55.77	≤ -12.49	PASS
			3000~26500	7.51	-45.67	≤ -12.49	PASS

Test Graphs



DH5_Ant1_2402_0~Reference



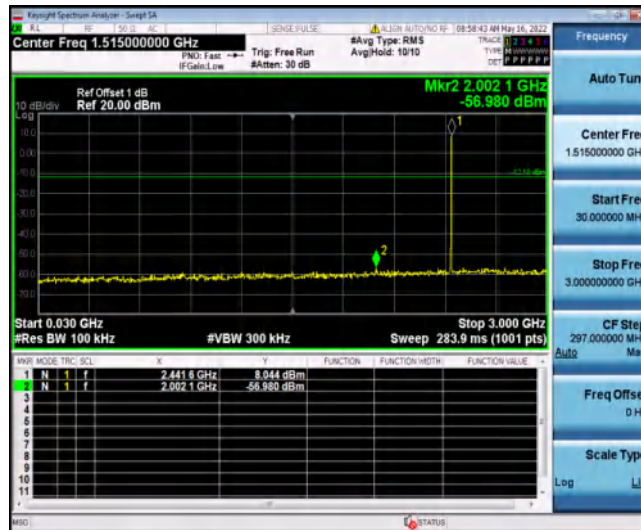
DH5_Ant1_2402_30~3000



DH5_Ant1_2402_3000~26500



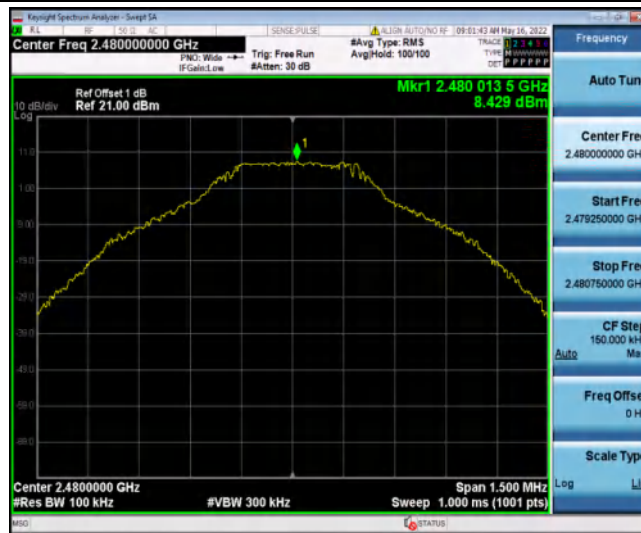
DH5_Ant1_2441_0~Reference



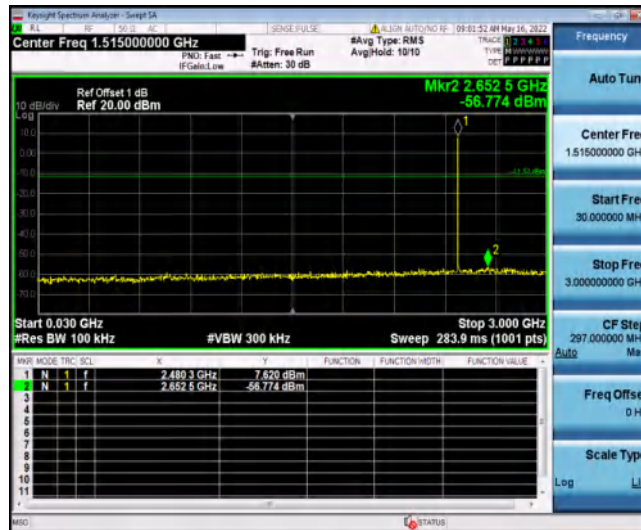
DH5_Ant1_2441_30~3000



DH5_Ant1_2441_3000~26500



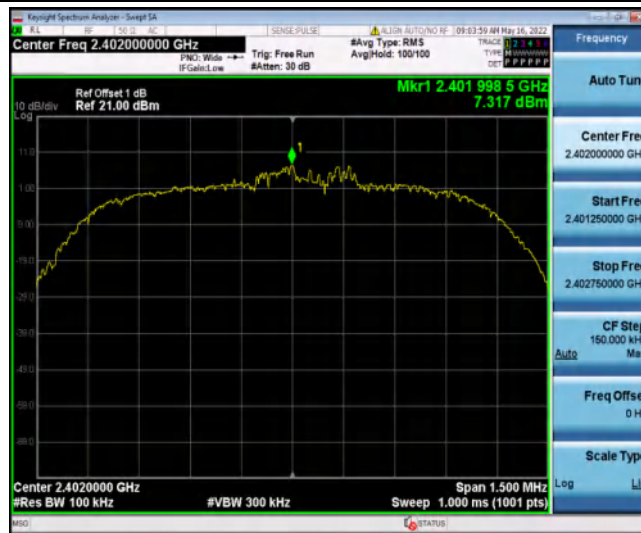
DH5_Ant1_2480_0~Reference



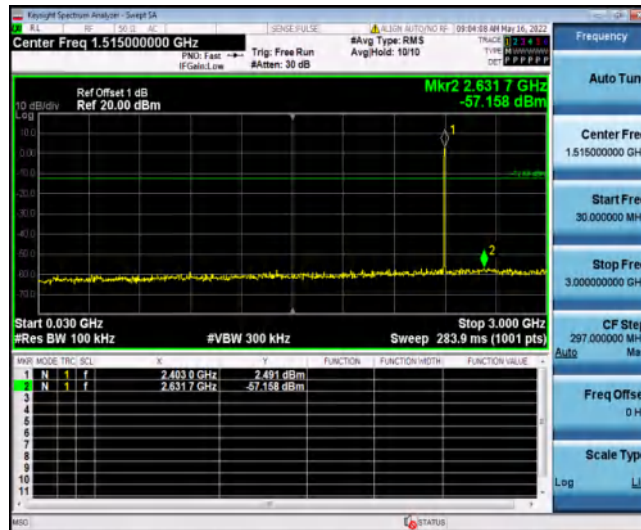
DH5_Ant1_2480_30~3000



DH5_Ant1_2480_3000~26500



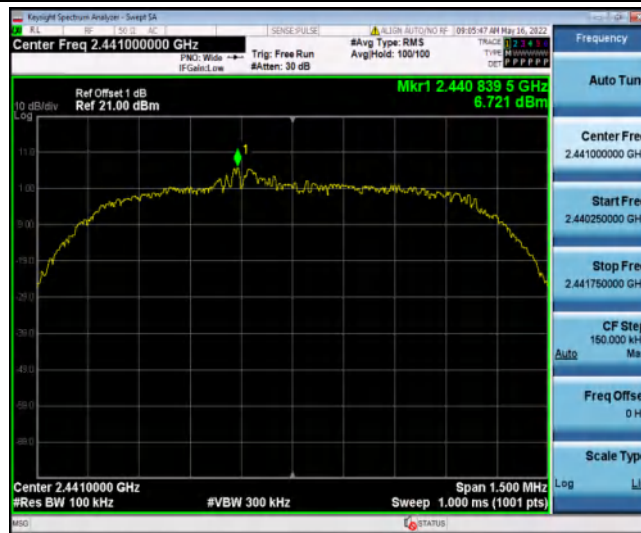
2DH5_Ant1_2402_0~Reference



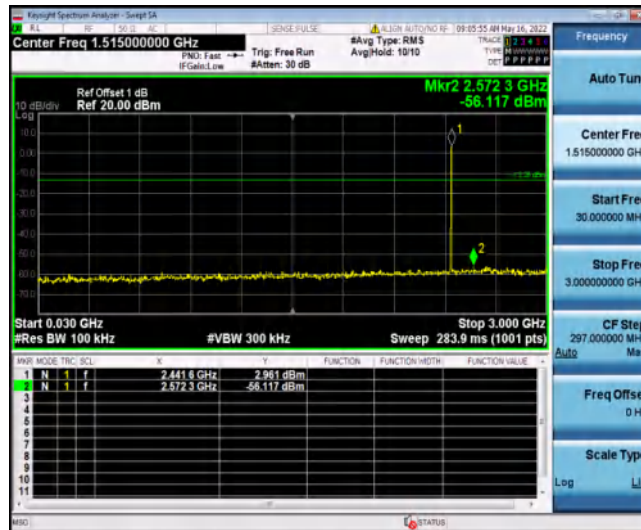
2DH5_Ant1_2402_30~3000



2DH5_Ant1_2402_3000~26500



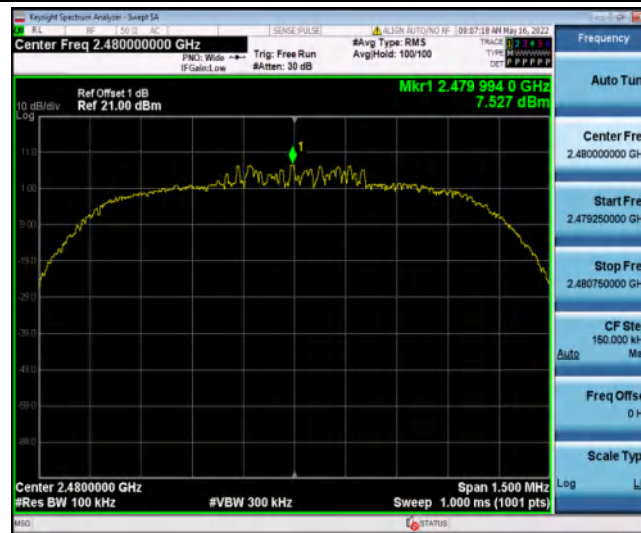
2DH5_Ant1_2441_0~Reference



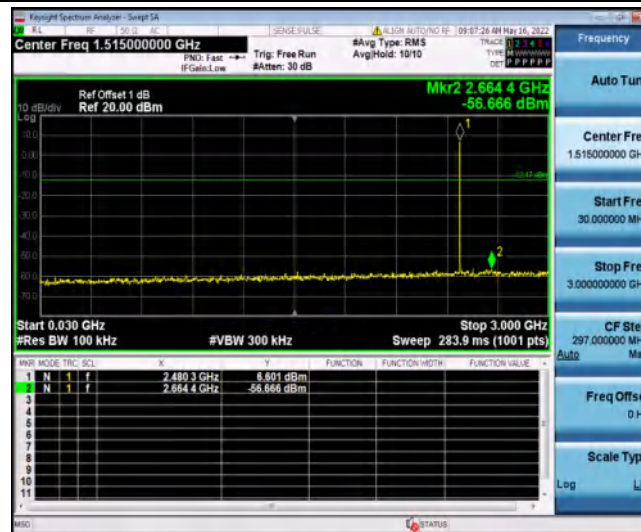
2DH5_Ant1_2441_30~3000



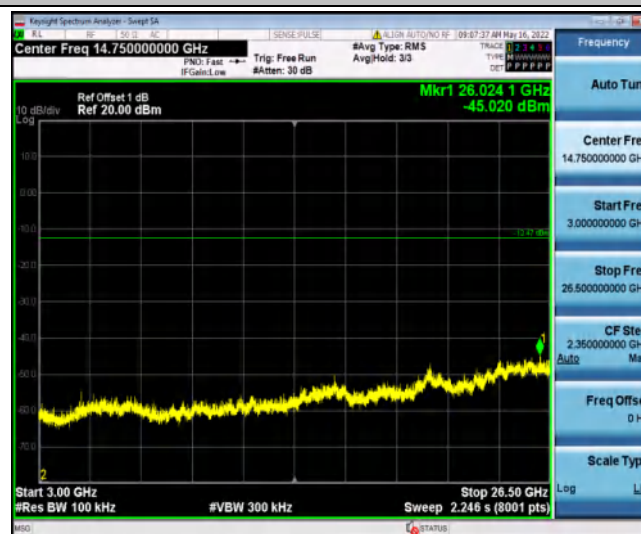
2DH5_Ant1_2441_3000~26500



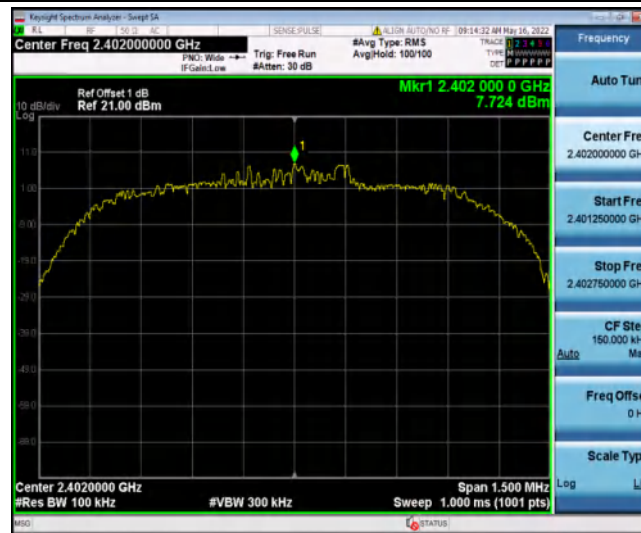
2DH5_Ant1_2480_0~Reference



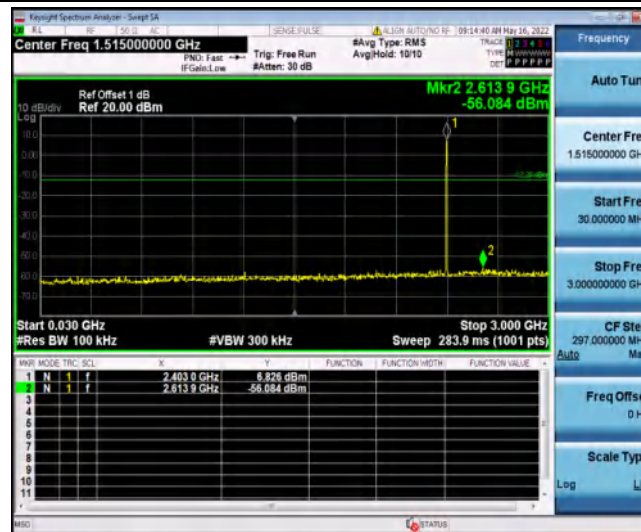
2DH5_Ant1_2480_30~3000



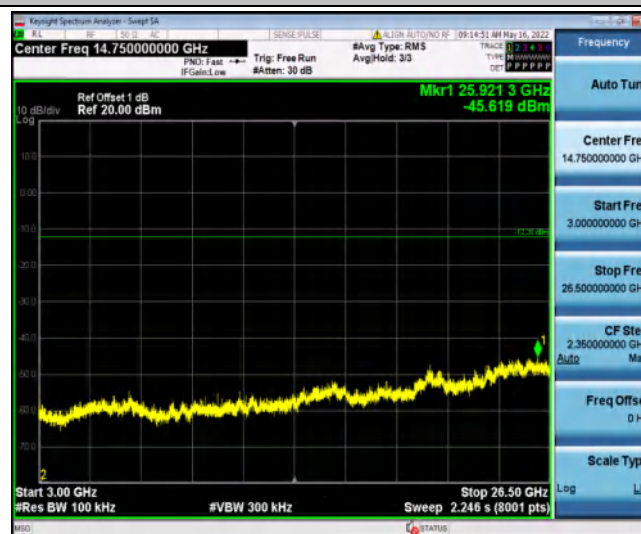
2DH5_Ant1_2480_3000~26500



3DH5_Ant1_2402_0~Reference



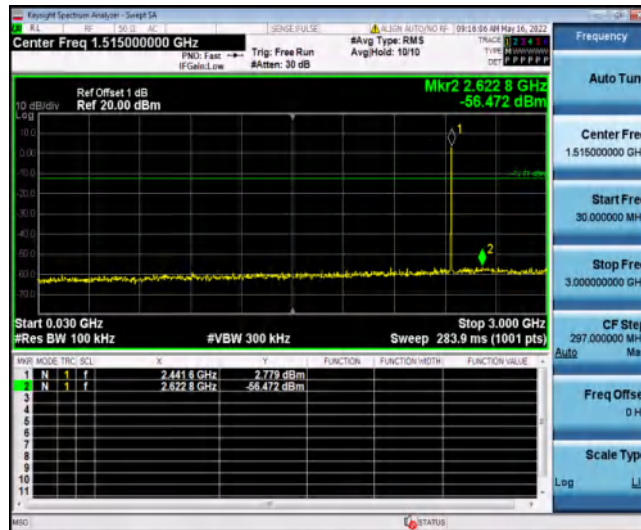
3DH5_Ant1_2402_30~3000



3DH5_Ant1_2402_3000~26500



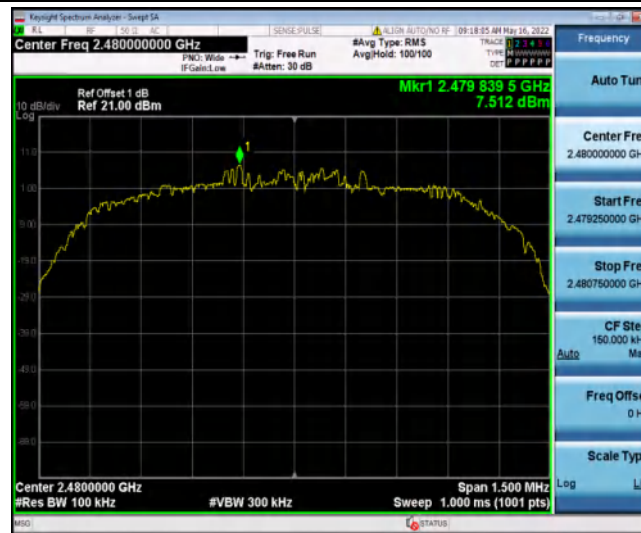
3DH5_Ant1_2441_0~Reference



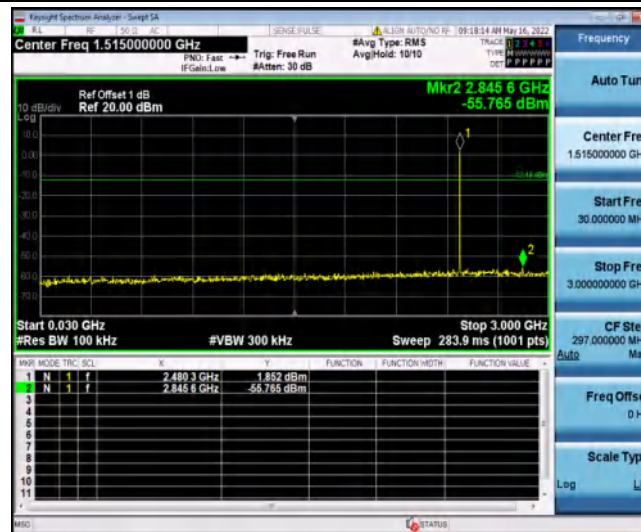
3DH5_Ant1_2441_30~3000



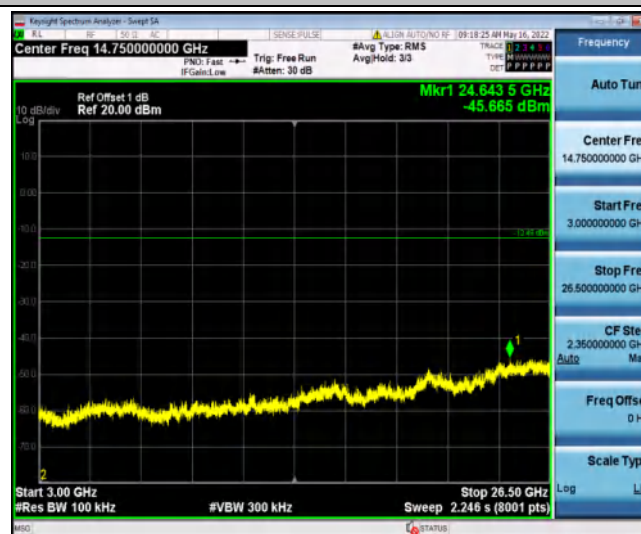
3DH5_Ant1_2441_3000~26500



3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~3000



3DH5_Ant1_2480_3000~26500

***** End *****