

Applicant: Shenzhen EPT Electronic Technology co.,Ltd

Case No. : TH2409106-C08

EUT: Moon mini speaker

M/N: IVSP1598

Standard: FCC Part15 Subpart C, Section 15.247

Test Power Supply: NA

Ambient Condition: 25 °C, 39 %RH, 101.325 kPa

Test Date: 2024.09.27- 2024.09.29

Test Engineer: Cool

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.014	---	---		
		2441	0.948	---	---		
		2480	0.897	---	---		
2DH5	Ant1	2402	1.305	---	---		
		2441	1.350	---	---		
		2480	1.323	---	---		
3DH5	Ant1	2402	1.320	---	---		
		2441	1.284	---	---		
		2480	1.308	---	---		

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	0.96535	2401.4785	2402.4439	---	---
		2441	0.88966	2440.5034	2441.3931	---	---
		2480	0.86335	2479.4945	2480.3578	---	---
2DH5	Ant1	2402	1.2227	2401.3372	2402.5599	---	---
		2441	1.1734	2440.3623	2441.5357	---	---
		2480	1.2016	2479.3428	2480.5444	---	---
3DH5	Ant1	2402	1.1517	2401.3995	2402.5512	---	---
		2441	1.1887	2440.3483	2441.5370	---	---
		2480	1.1835	2479.3637	2480.5472	---	---

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



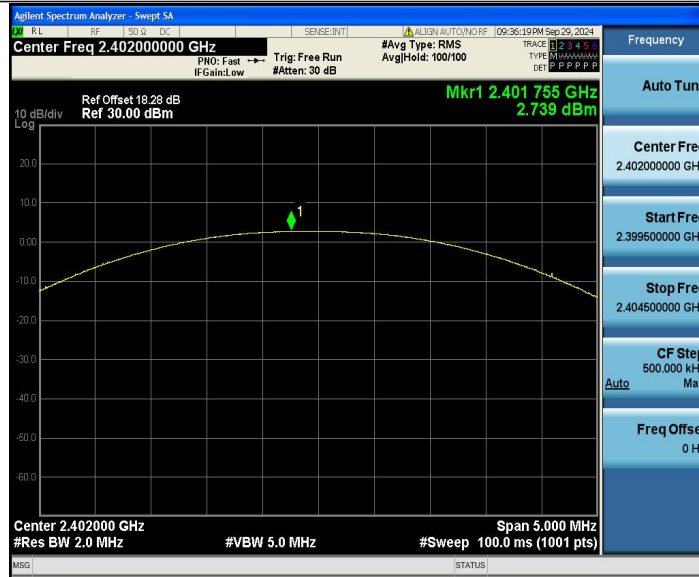
Appendix C: Maximum conducted output power

Test Result Peak

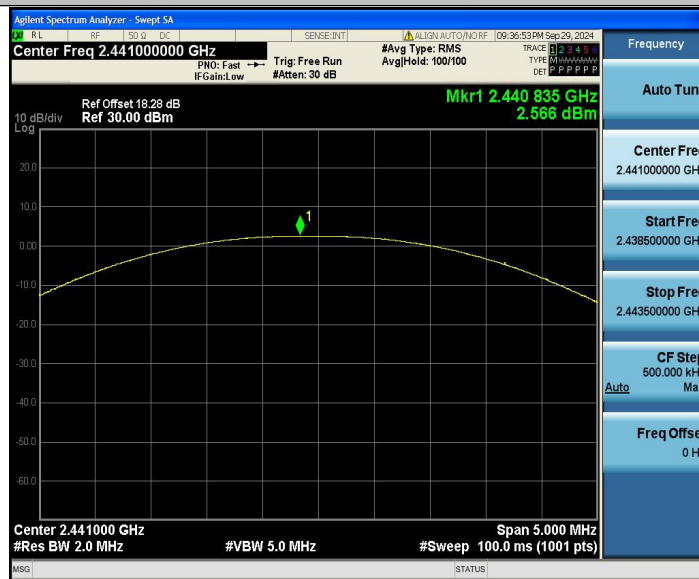
Test Mode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	2.74	≤21	PASS
		2441	2.57	≤21	PASS
		2480	2.08	≤21	PASS
2DH5	Ant1	2402	2.81	≤21	PASS
		2441	2.64	≤21	PASS
		2480	2.13	≤21	PASS
3DH5	Ant1	2402	3.43	≤21	PASS
		2441	3.29	≤21	PASS
		2480	2.75	≤21	PASS

Test Graphs

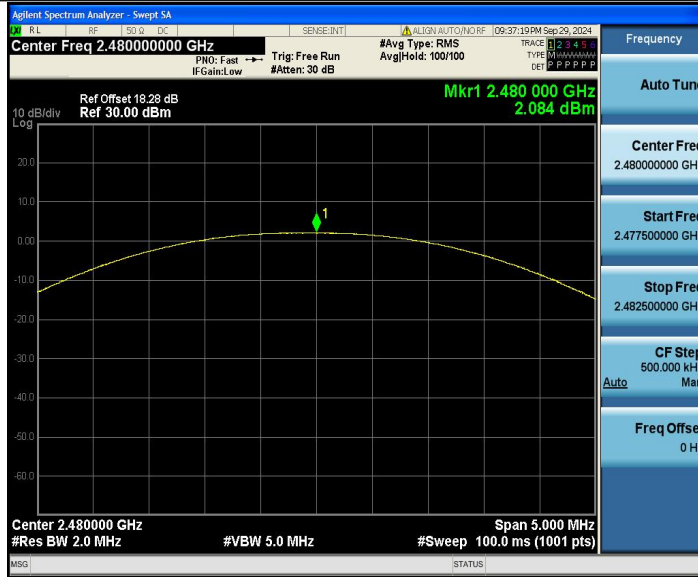
DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



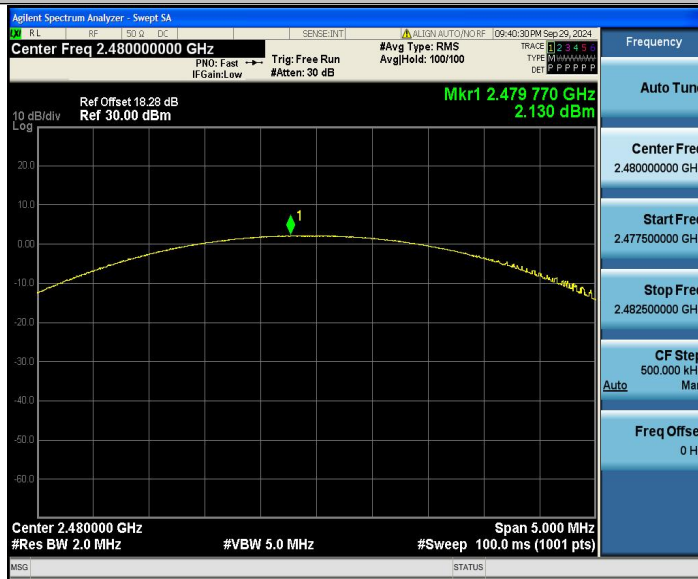
2DH5_Ant1_2402



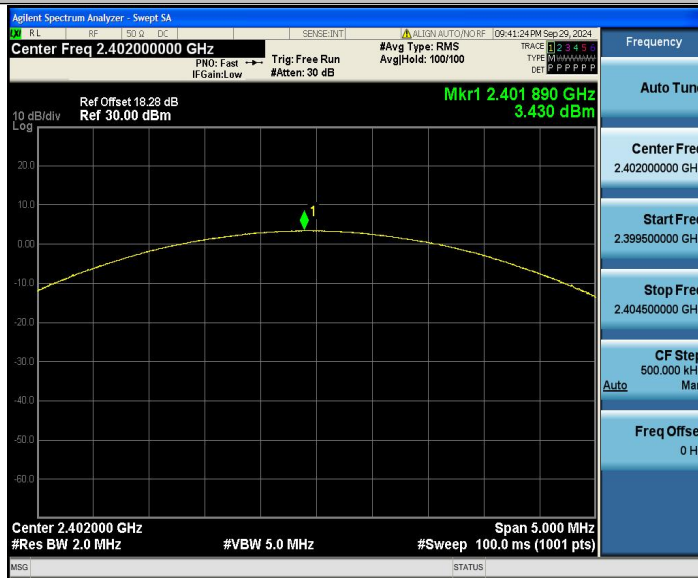
2DH5_Ant1_2441



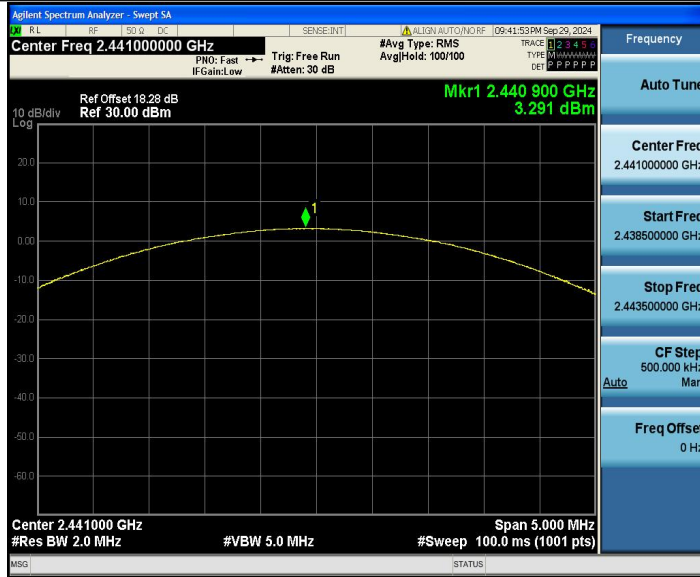
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.676	PASS
2DH5	Ant1	Hop	0.992	≥ 0.900	PASS
3DH5	Ant1	Hop	1.188	≥ 0.880	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



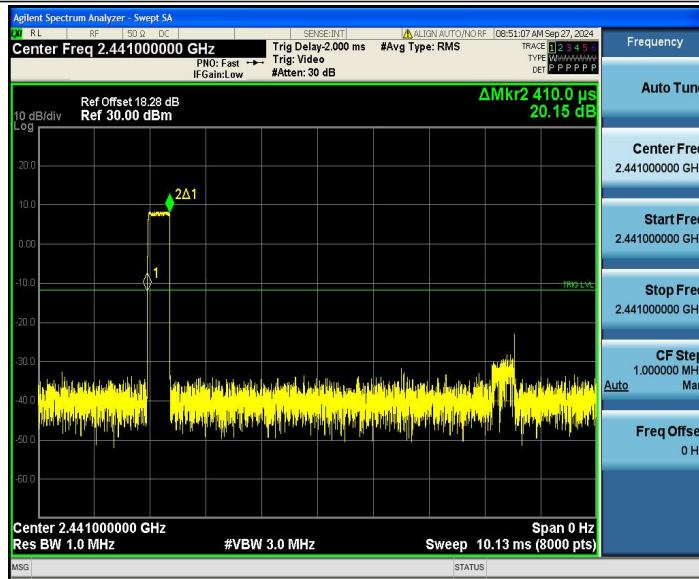
Appendix E: Time of occupancy

Test Result

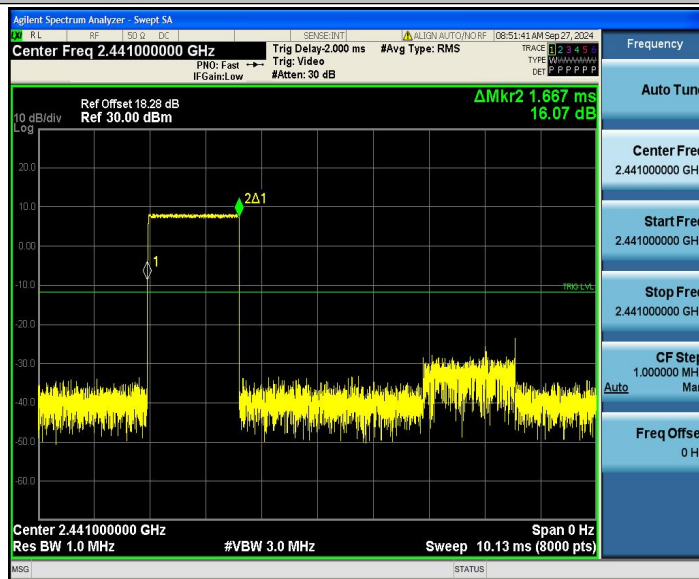
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.410	320	0.131	≤0.4	PASS
DH3	Ant1	Hop	1.667	160	0.267	≤0.4	PASS
DH5	Ant1	Hop	2.915	106.67	0.311	≤0.4	PASS
2DH1	Ant1	Hop	0.421	320	0.135	≤0.4	PASS
2DH3	Ant1	Hop	1.672	160	0.268	≤0.4	PASS
2DH5	Ant1	Hop	2.920	106.67	0.311	≤0.4	PASS
3DH1	Ant1	Hop	0.422	320	0.135	≤0.4	PASS
3DH3	Ant1	Hop	1.672	160	0.268	≤0.4	PASS
3DH5	Ant1	Hop	2.922	106.67	0.312	≤0.4	PASS

Test Graphs

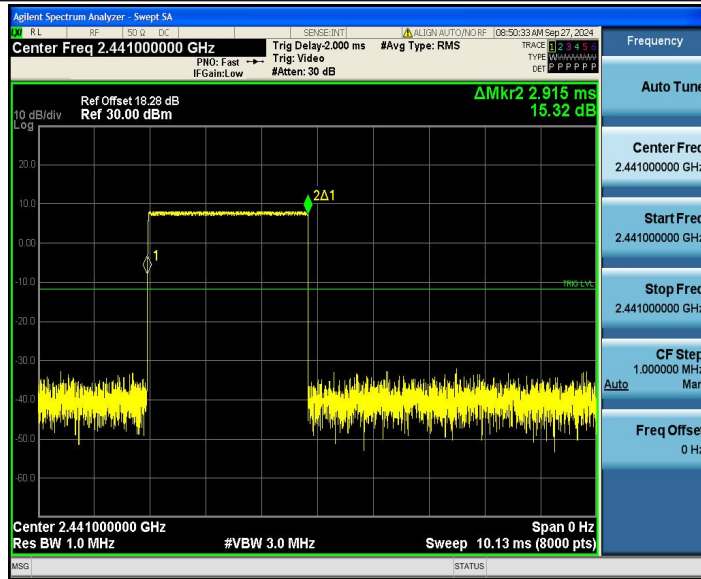
DH1_Ant1_Hop



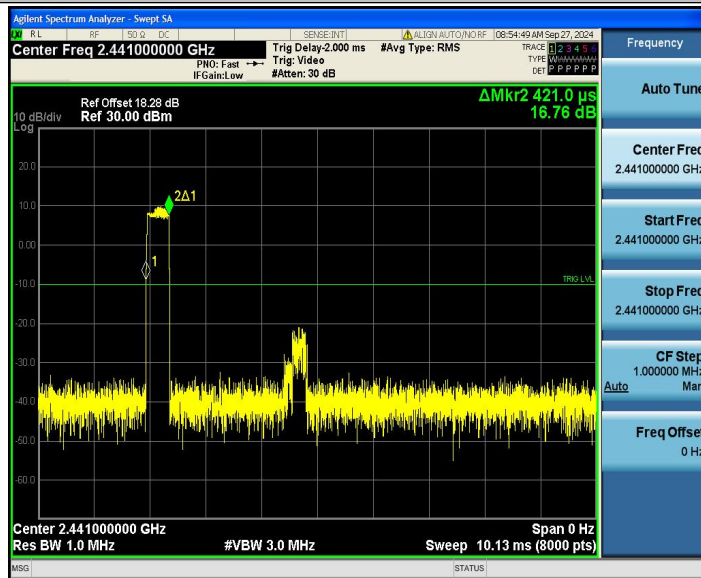
DH3_Ant1_Hop



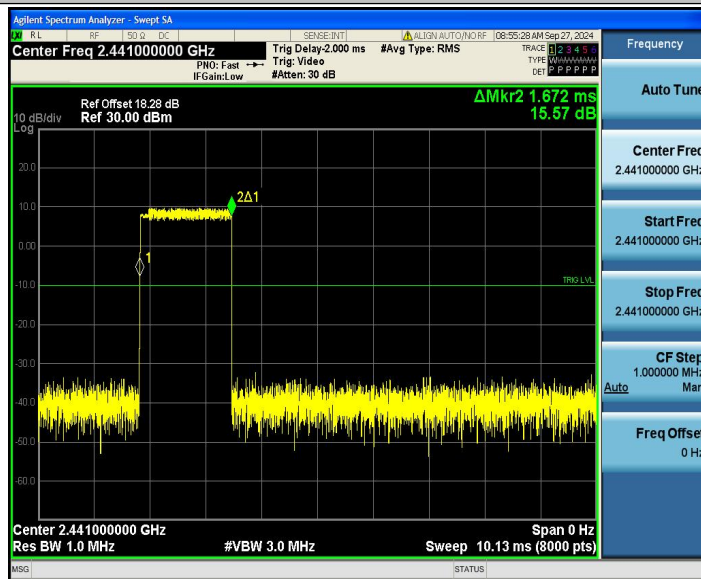
DH5_Ant1_Hop



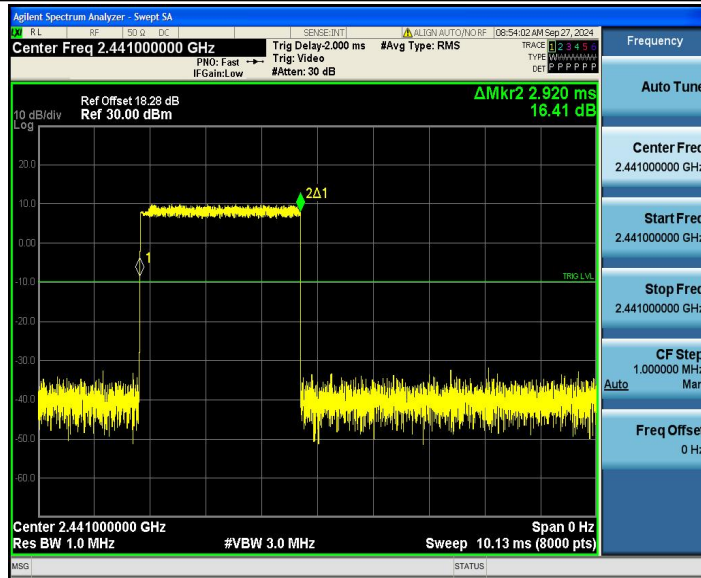
2DH1_Ant1_Hop



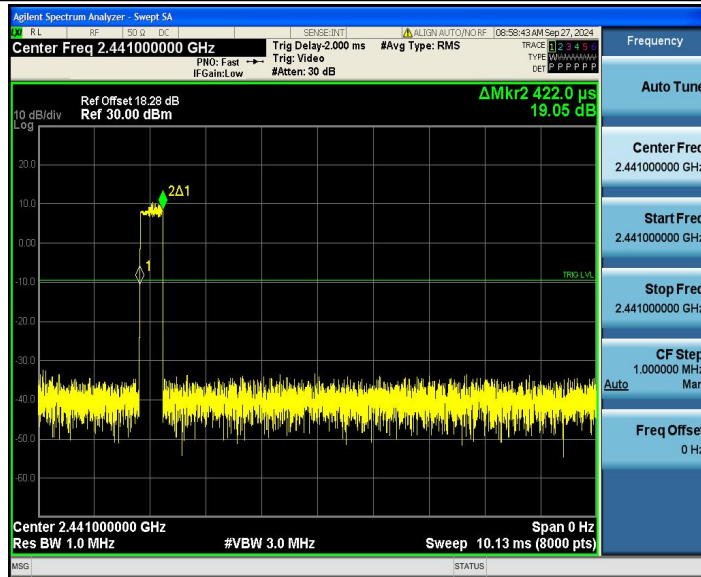
2DH3_Ant1_Hop



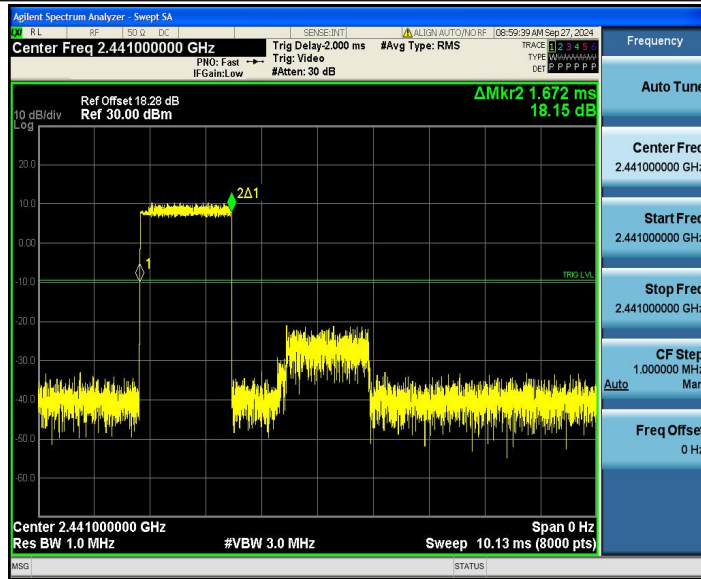
2DH5_Ant1_Hop



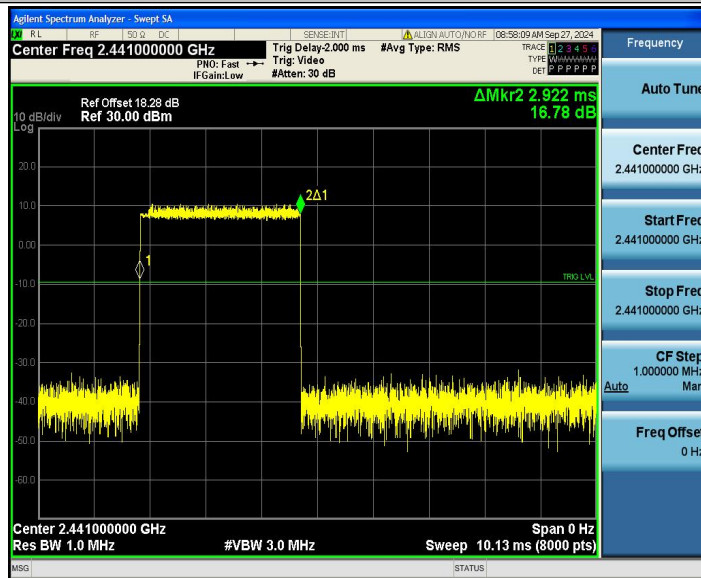
3DH1_Ant1_Hop



3DH3_Ant1_Hop



3DH5_Ant1_Hop



Appendix F: Number of hopping channels

Test Result

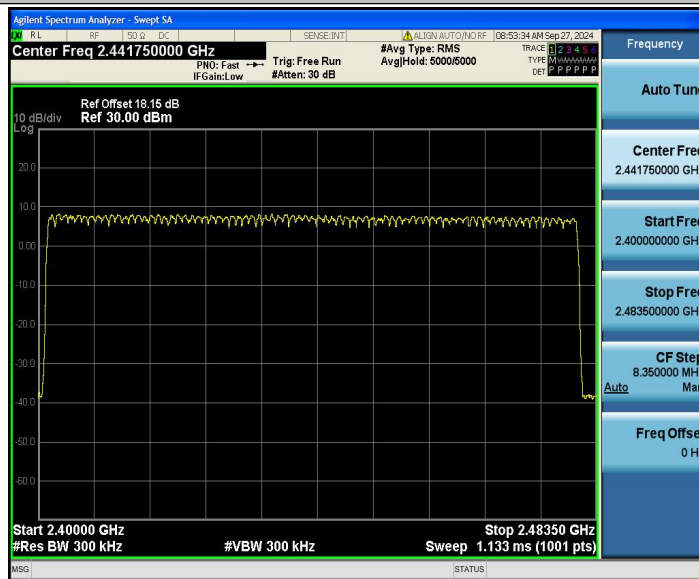
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop

