



Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Turntable Hi-Fi System with Speakers

Test Model: HP-H2409

Environmental Conditions

Temperature:	23.5°C
Relative Humidity:	52.3%
ATM Pressure:	100.0 kPa
Test Engineer:	Jerry Chu
Supervised by:	Nick Peng



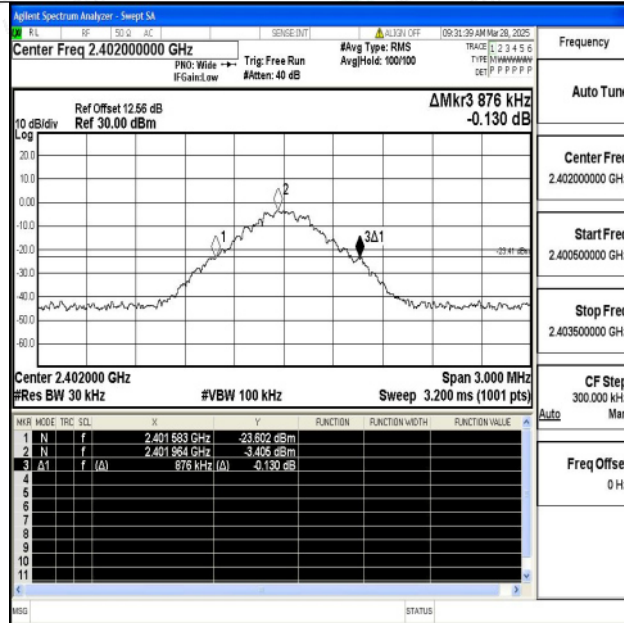
A.1 20dB Emission Bandwidth

Test Result

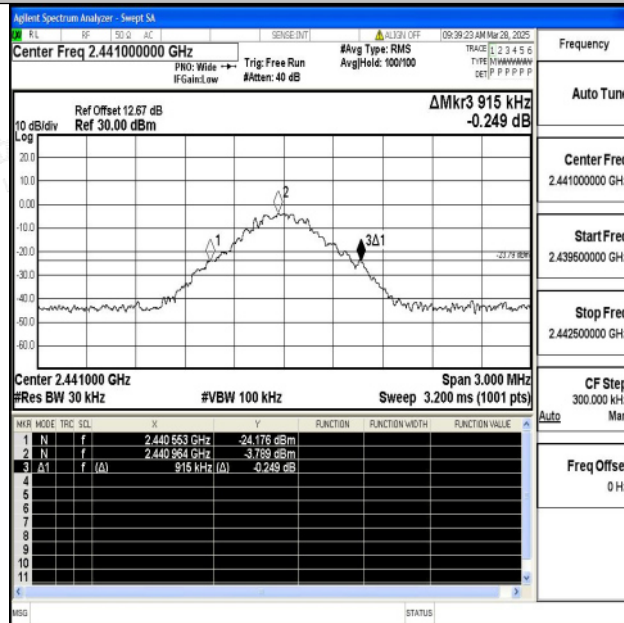
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.876	2401.583	2402.459	---	---
DH5	Ant1	2441	0.915	2440.553	2441.468	---	---
DH5	Ant1	2480	0.918	2479.550	2480.468	---	---
2DH5	Ant1	2402	1.284	2401.361	2402.645	---	---
2DH5	Ant1	2441	1.347	2440.319	2441.666	---	---
2DH5	Ant1	2480	1.302	2479.346	2480.648	---	---
3DH5	Ant1	2402	1.293	2401.346	2402.639	---	---
3DH5	Ant1	2441	1.308	2440.334	2441.642	---	---
3DH5	Ant1	2480	1.293	2479.343	2480.636	---	---



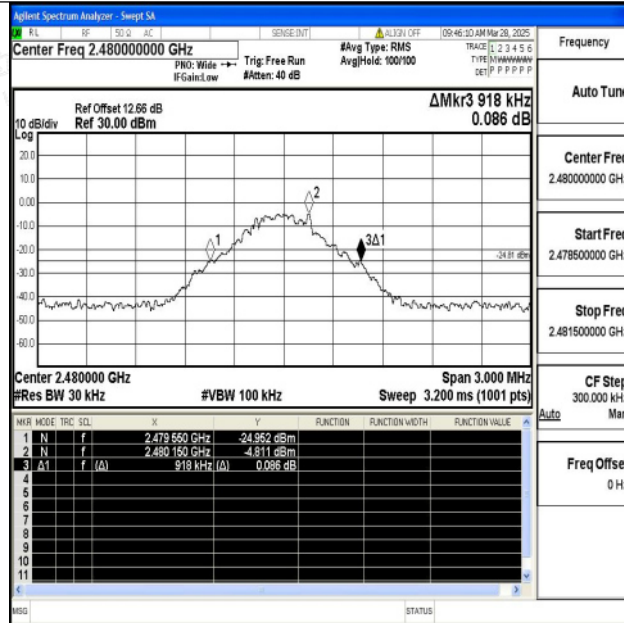
Test Graphs



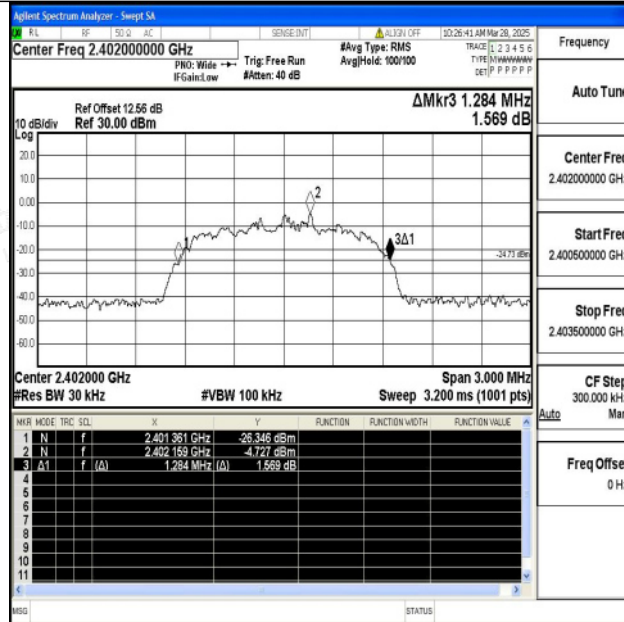
DH5-Ant1-2402



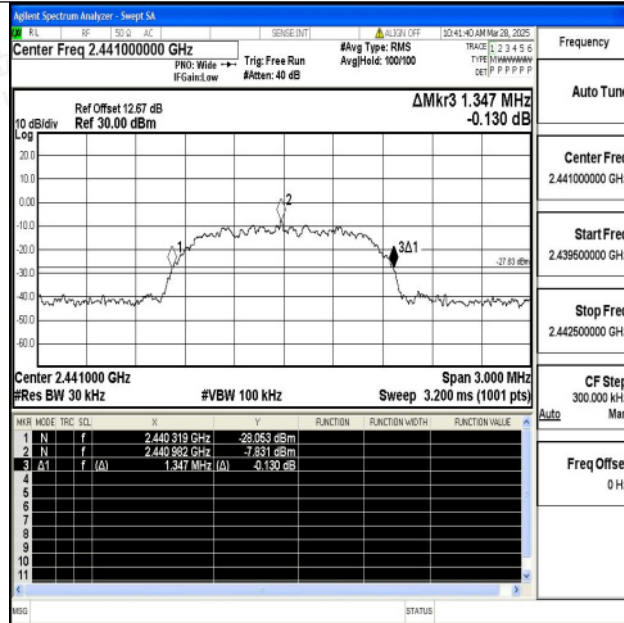
DH5-Ant1-2441



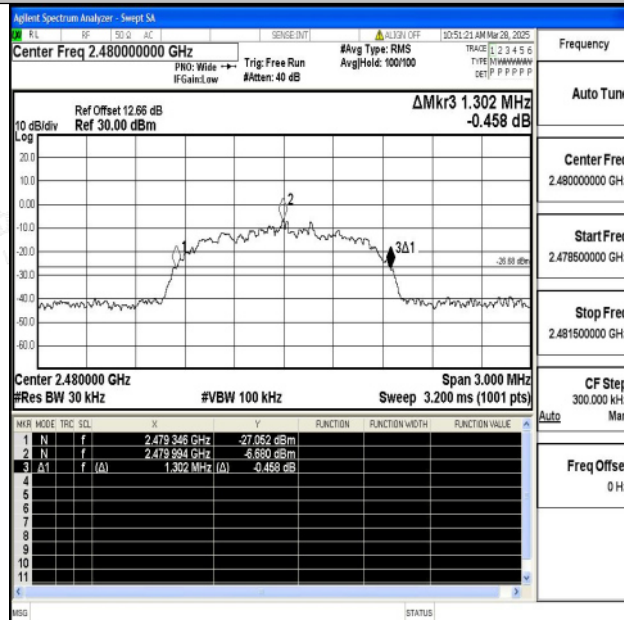
DH5-Ant1-2480



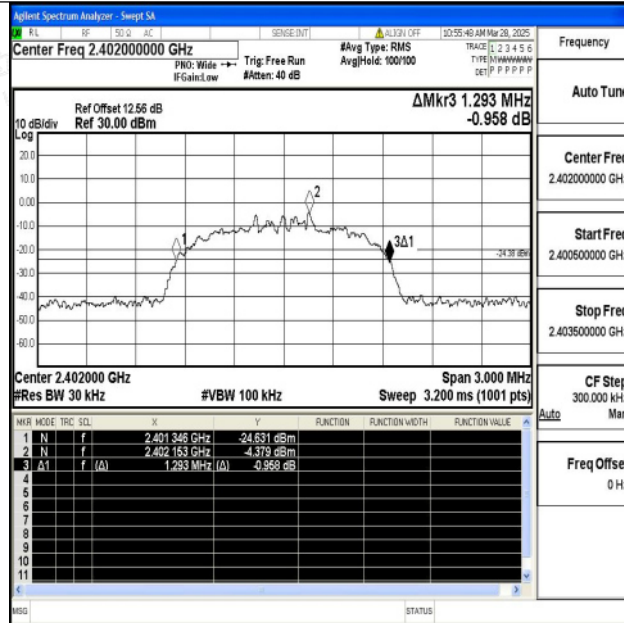
2DH5-Ant1-2402



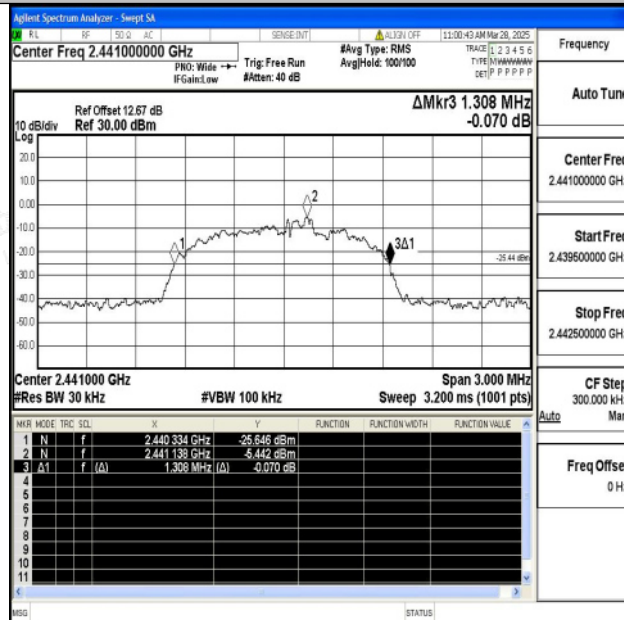
2DH5-Ant1-2441



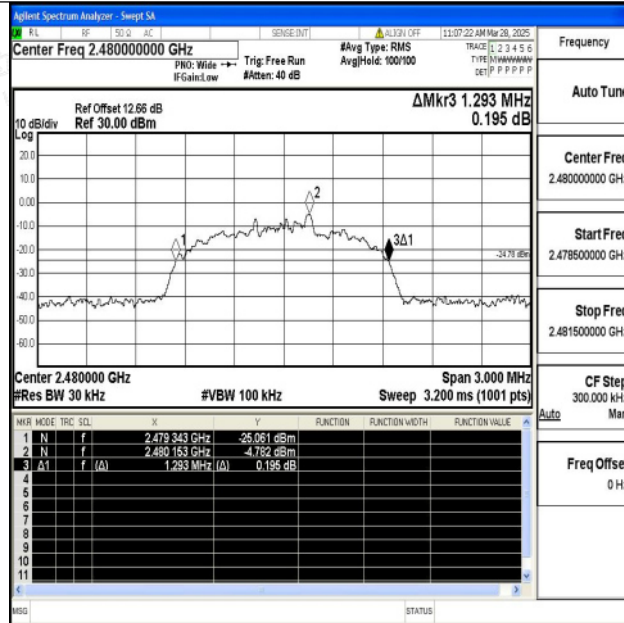
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



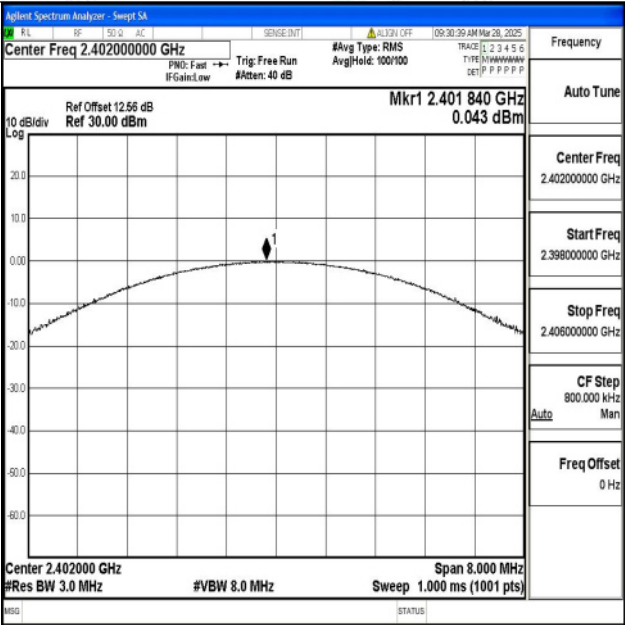
A.2 Maximum conducted output power

Test Result Peak

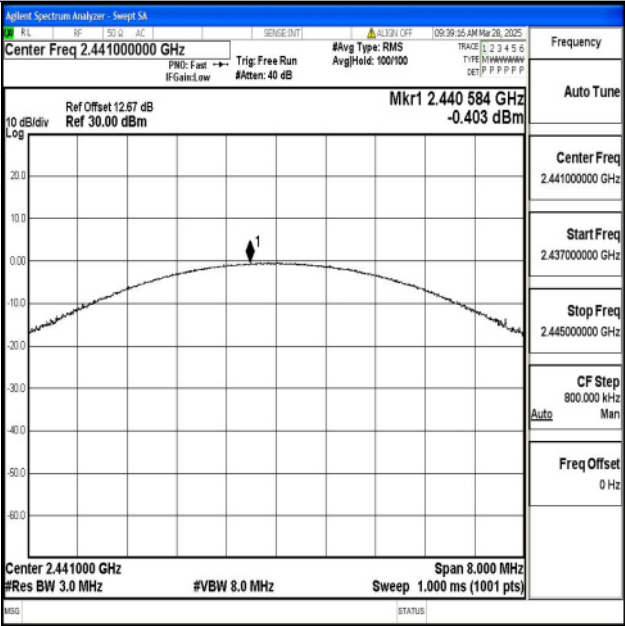
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.04	21	PASS
DH5	Ant1	2441	-0.40	21	PASS
DH5	Ant1	2480	-1.50	21	PASS
2DH5	Ant1	2402	0.17	21	PASS
2DH5	Ant1	2441	-0.33	21	PASS
2DH5	Ant1	2480	-1.48	21	PASS
3DH5	Ant1	2402	0.12	21	PASS
3DH5	Ant1	2441	-0.41	21	PASS
3DH5	Ant1	2480	-1.47	21	PASS



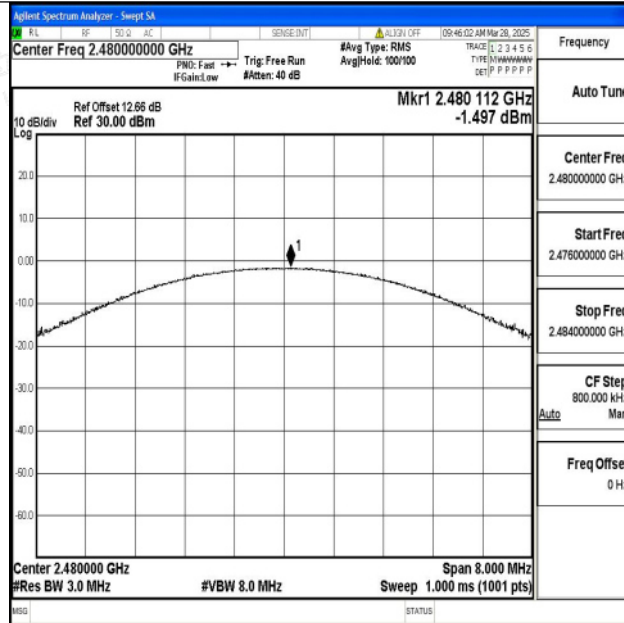
Test Graphs



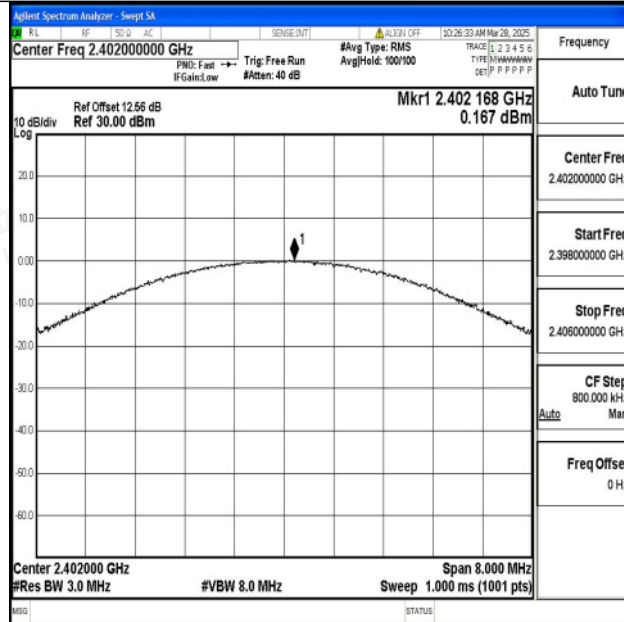
DH5-Ant1-2402-PASS



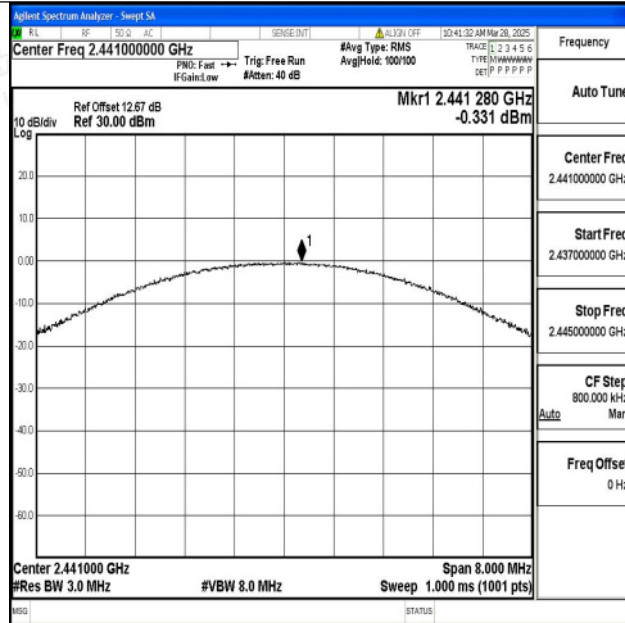
DH5-Ant1-2441-PASS



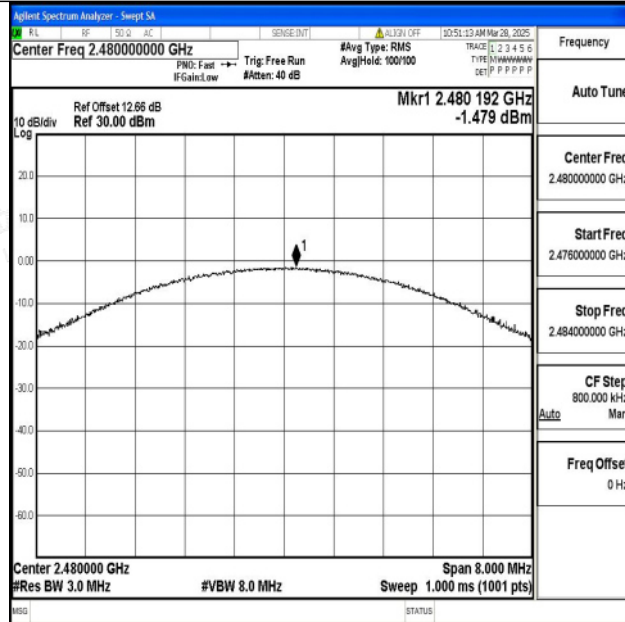
DH5-Ant1-2480-PASS



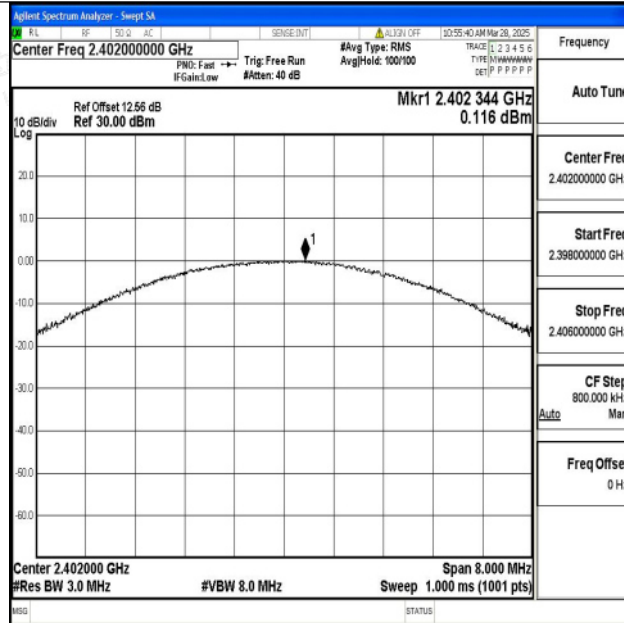
2DH5-Ant1-2402-PASS



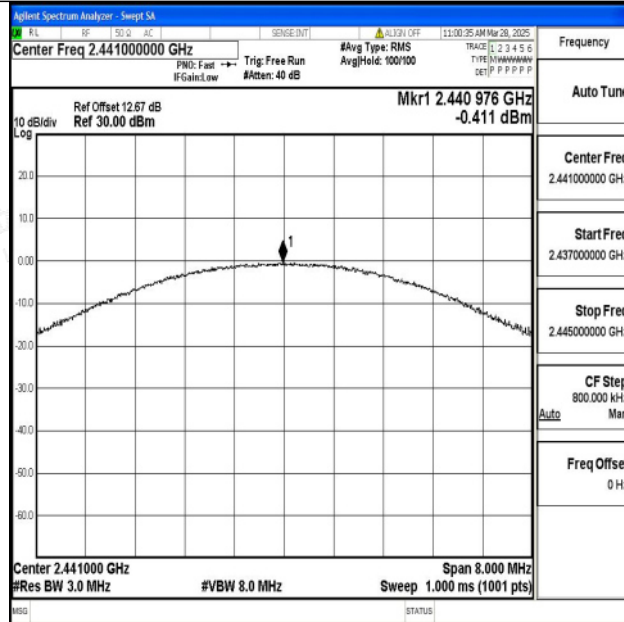
2DH5-Ant1-2441-PASS



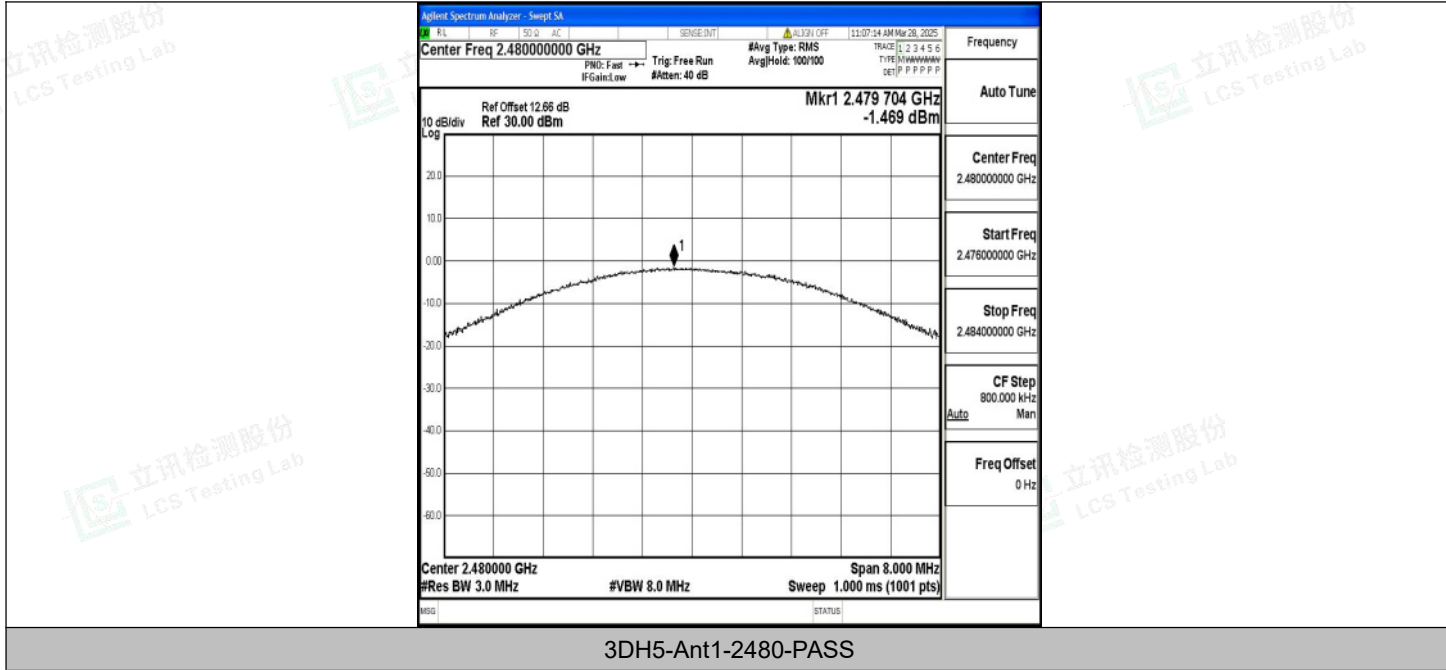
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS





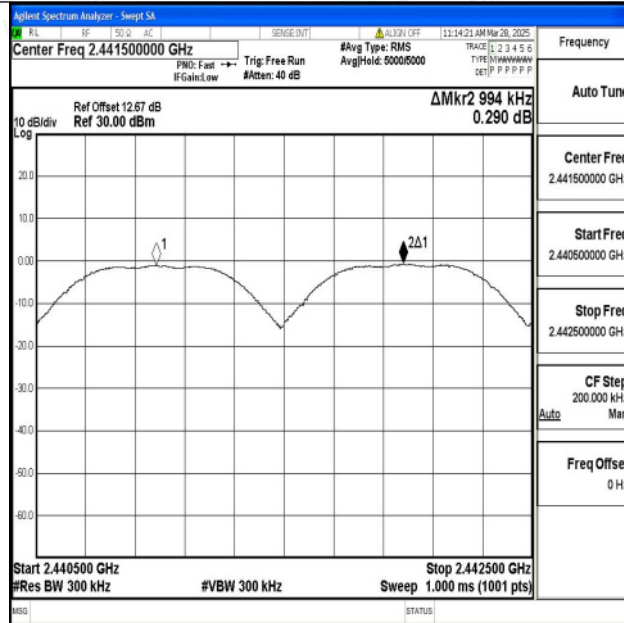
A.3 Carrier frequency separation

Test Result

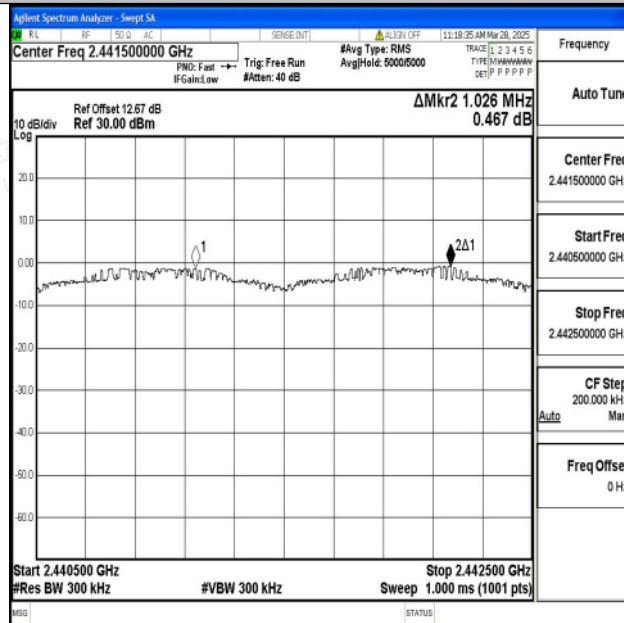
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥ 0.918	PASS
2DH5	Ant1	Hop	1.026	≥ 0.898	PASS
3DH5	Ant1	Hop	1	≥ 0.872	PASS



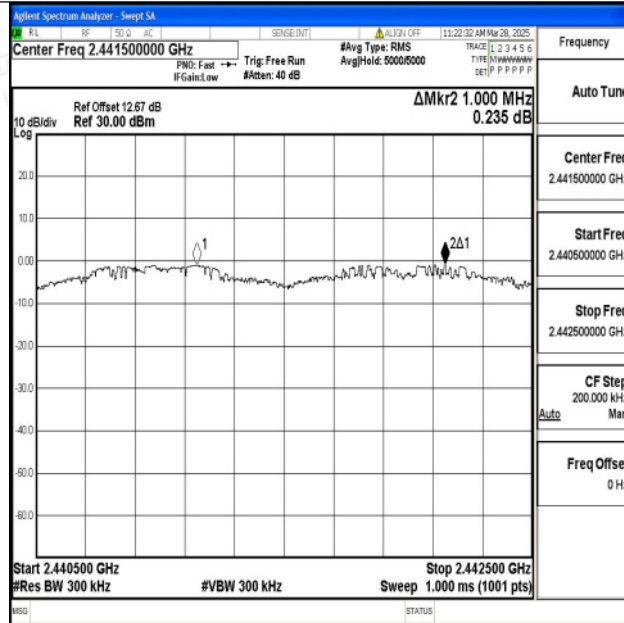
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



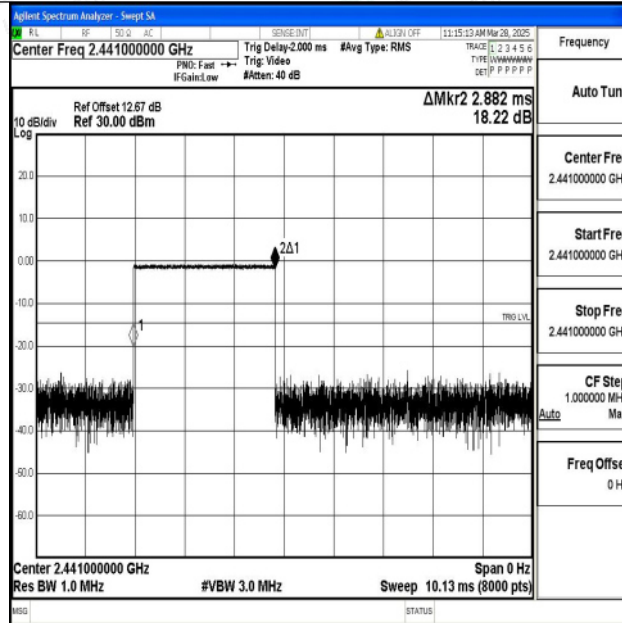
A.4 Time of occupancy

Test Result

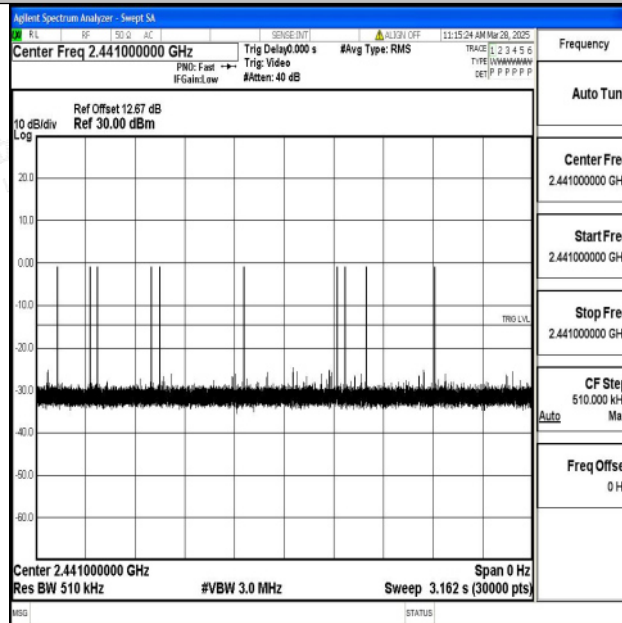
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.882	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.883	100	0.288	≤0.4	PASS
3DH5	Ant1	Hop	2.885	70	0.202	≤0.4	PASS

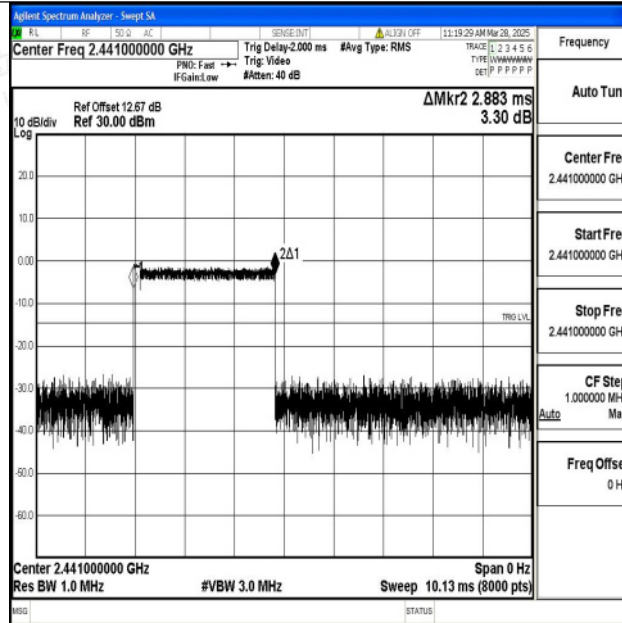


Test Graphs

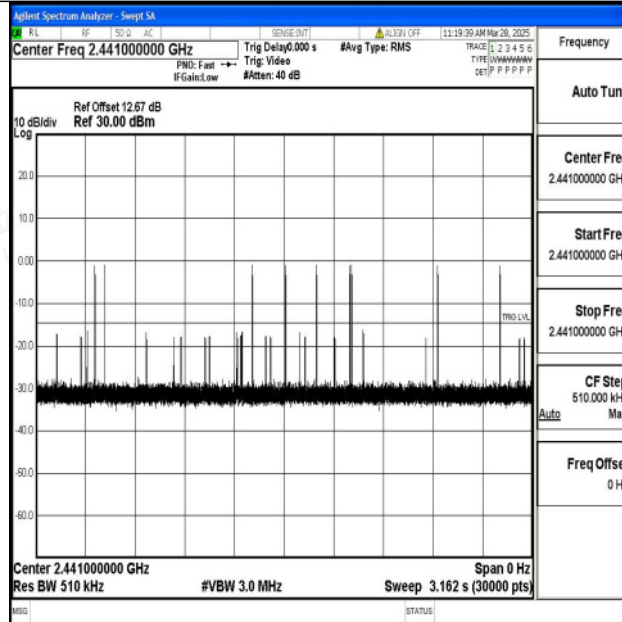


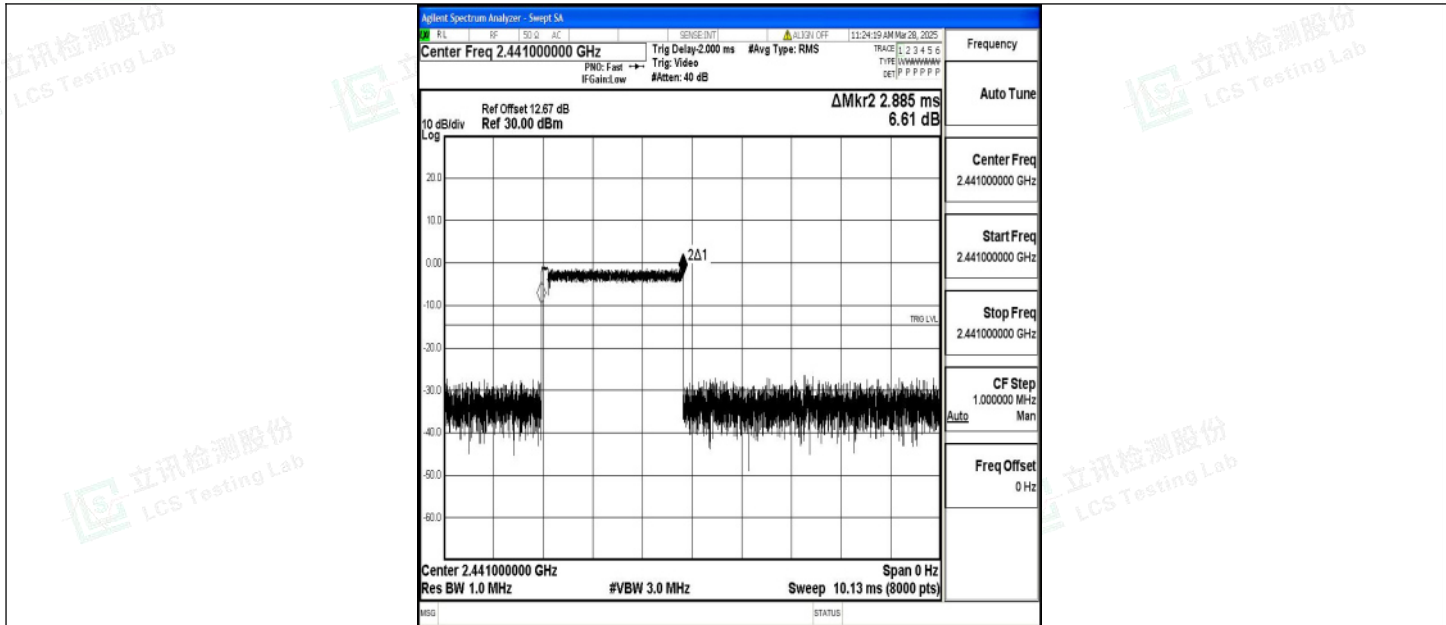
DH5-Ant1-Hop-PASS



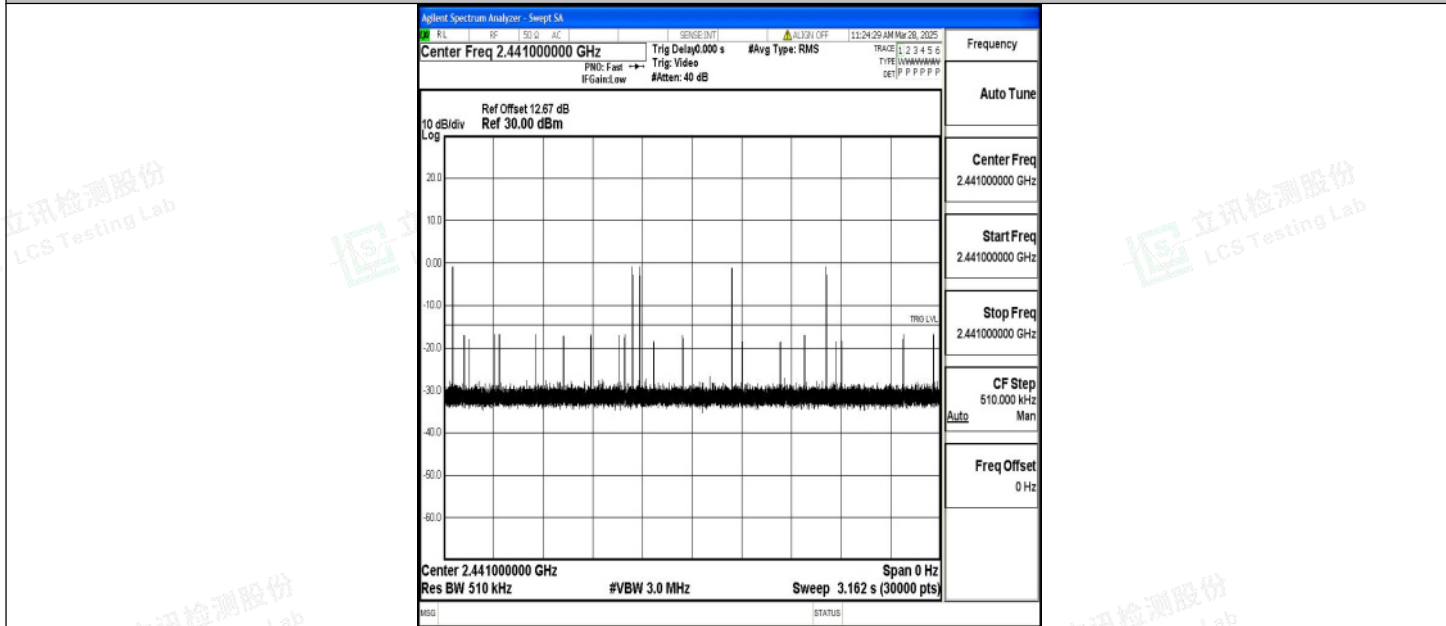


2DH5-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS





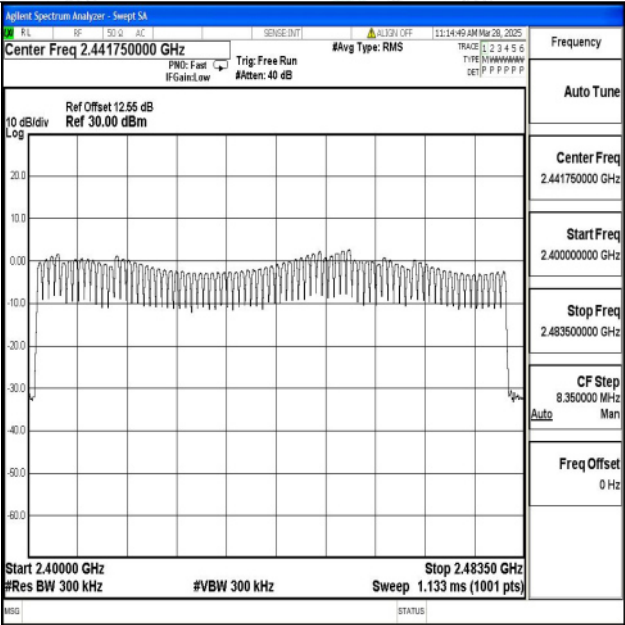
A.5 Number of hopping channels

Test Result

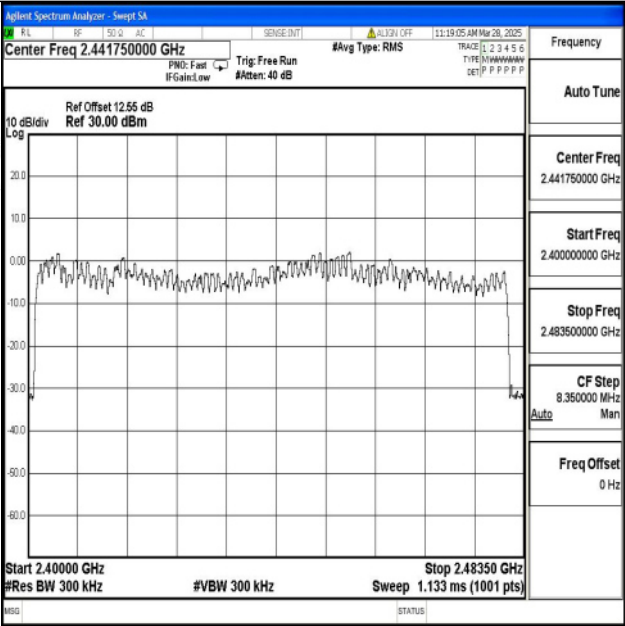
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



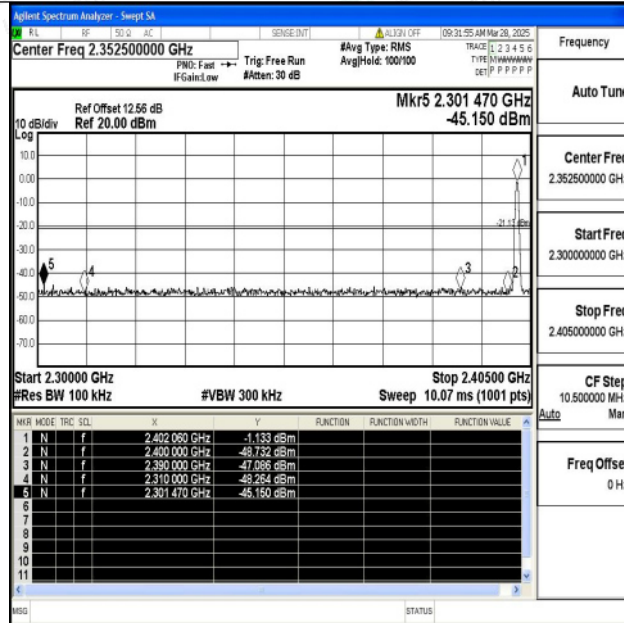
A.6 Band edge measurements

Test Result

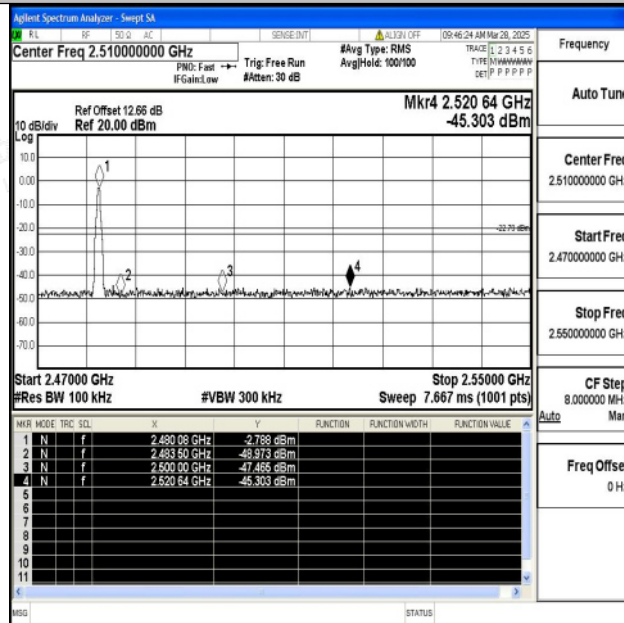
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.13	-45.15	≤ -21.13	PASS
DH5	Ant1	High	2480	-2.79	-45.3	≤ -22.79	PASS
DH5	Ant1	Low	Hop_2402	1.66	-44.12	≤ -18.34	PASS
DH5	Ant1	High	Hop_2480	-2.92	-44.16	≤ -22.92	PASS
2DH5	Ant1	Low	2402	-4.44	-45.03	≤ -24.44	PASS
2DH5	Ant1	High	2480	-3.82	-44.42	≤ -23.82	PASS
2DH5	Ant1	Low	Hop_2402	-1.66	-44.71	≤ -21.66	PASS
2DH5	Ant1	High	Hop_2480	-2.95	-43.98	≤ -22.95	PASS
3DH5	Ant1	Low	2402	-0.66	-44.99	≤ -20.66	PASS
3DH5	Ant1	High	2480	-2.90	-44.83	≤ -22.9	PASS
3DH5	Ant1	Low	Hop_2402	-3.78	-44.56	≤ -23.78	PASS
3DH5	Ant1	High	Hop_2480	-3.33	-43.98	≤ -23.33	PASS



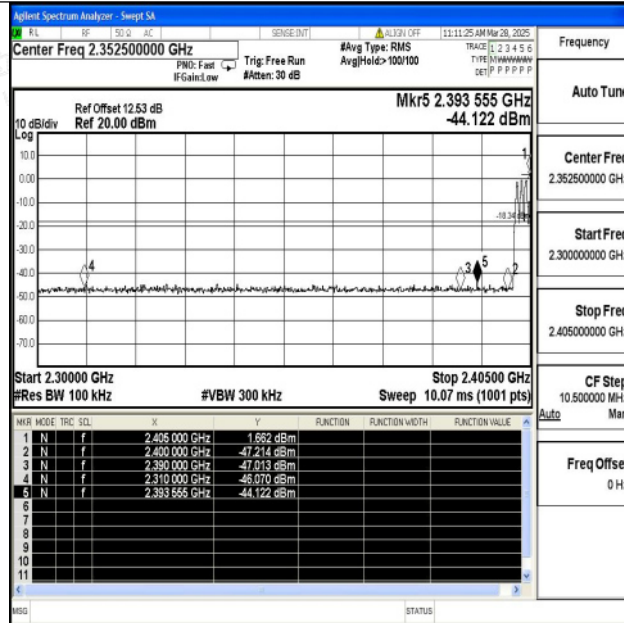
Test Graphs



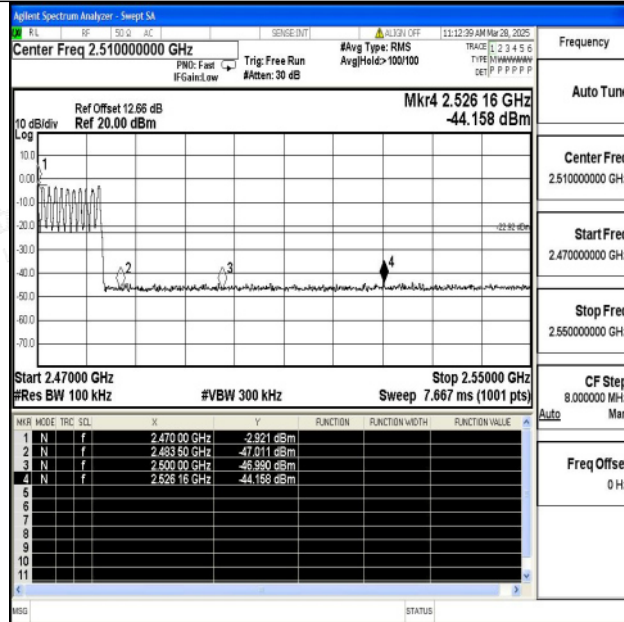
DH5-Ant1-2402-PASS



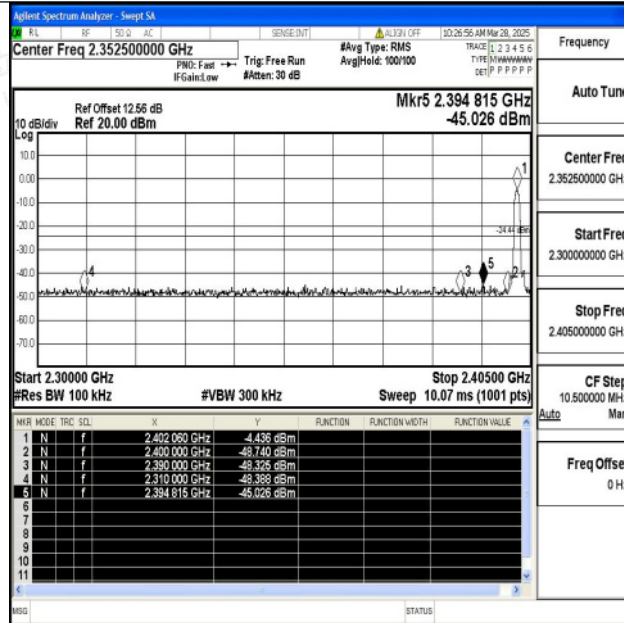
DH5-Ant1-2480-PASS



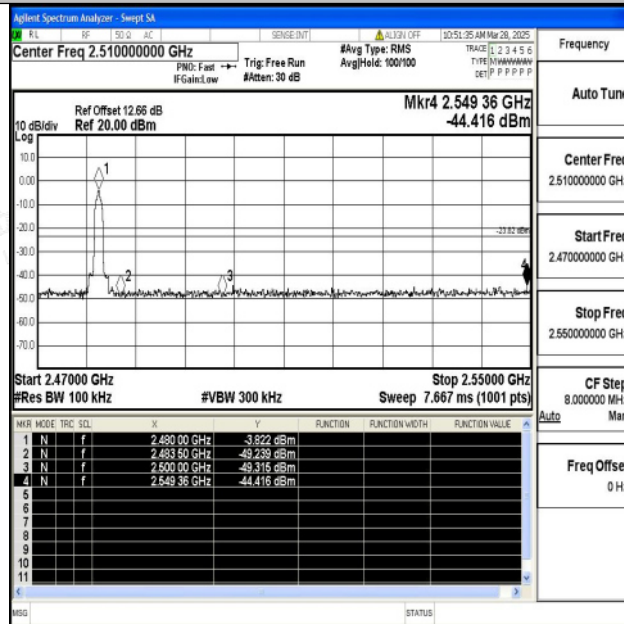
DH5-Ant1-Hop_2402-PASS



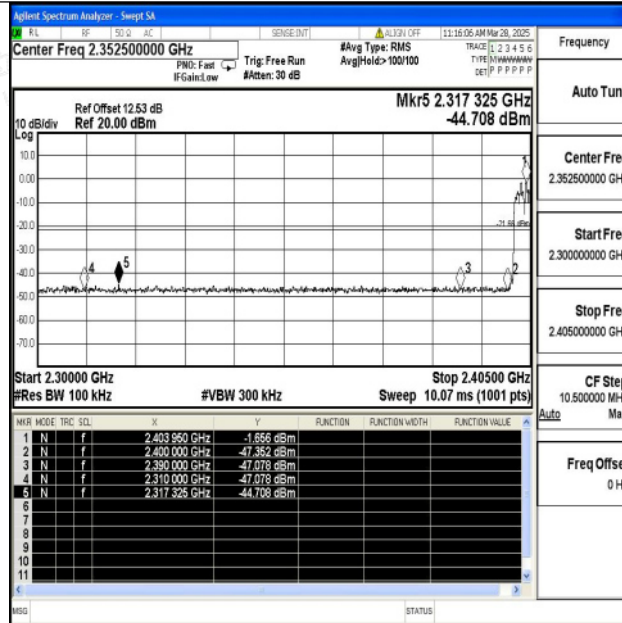
DH5-Ant1-Hop_2480-PASS



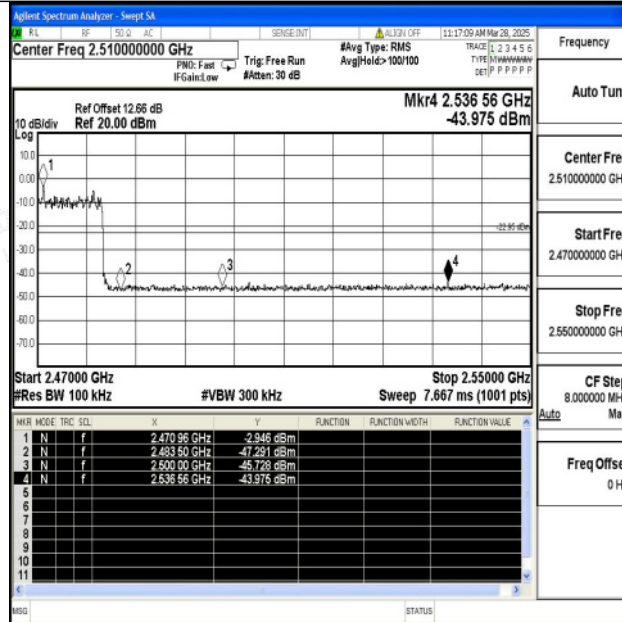
2DH5-Ant1-2402-PASS



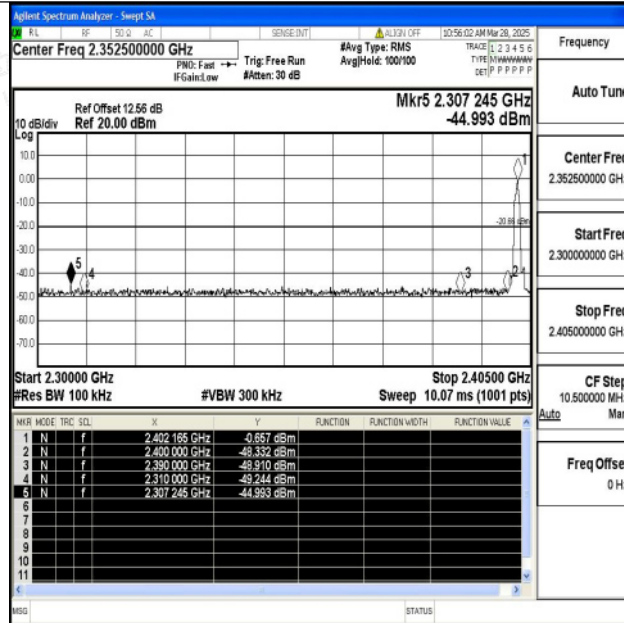
2DH5-Ant1-2480-PASS



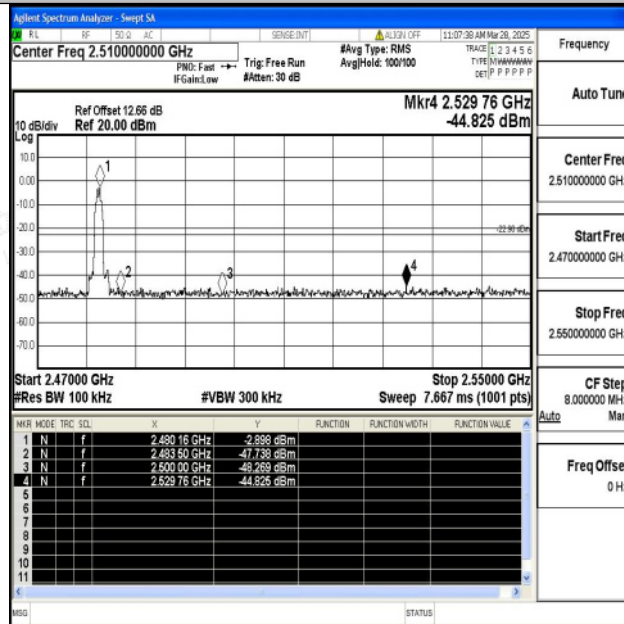
2DH5-Ant1-Hop_2402-PASS



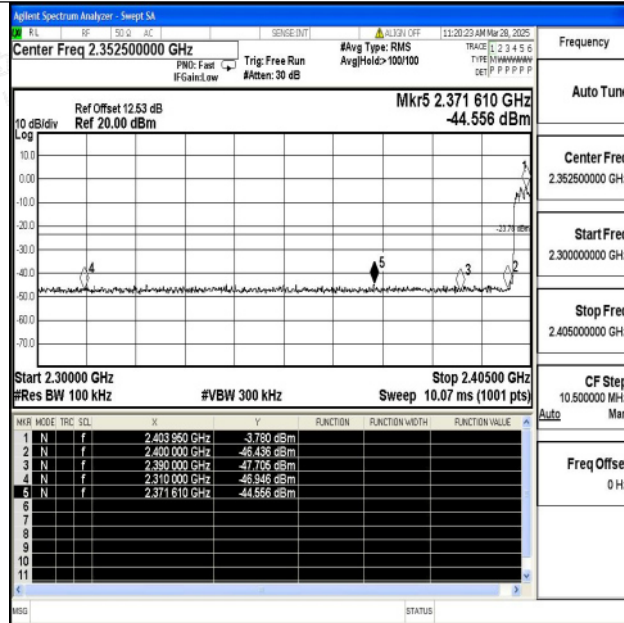
2DH5-Ant1-Hop_2480-PASS



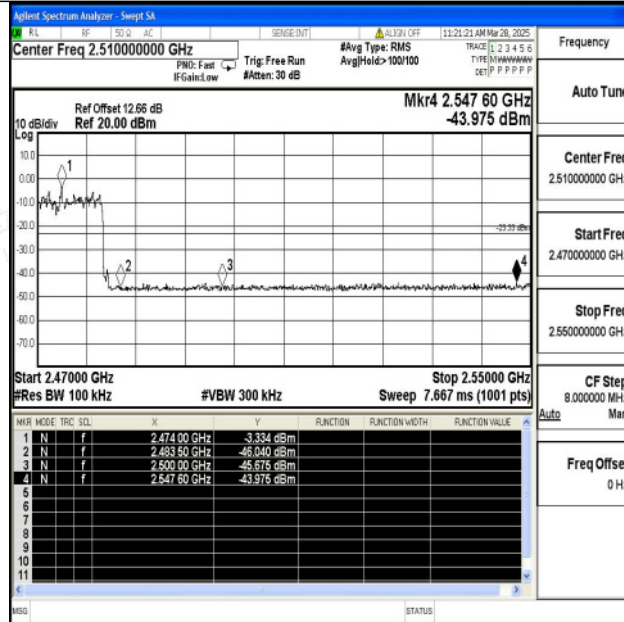
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



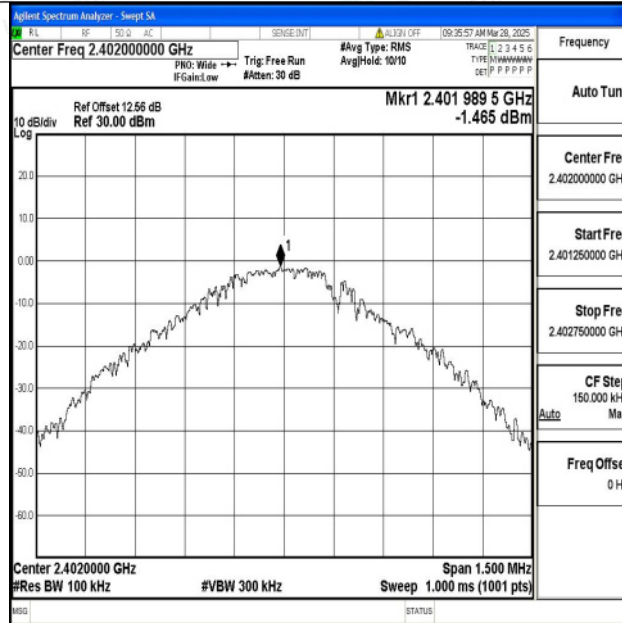
A.7 Conducted Spurious Emission

Test Result

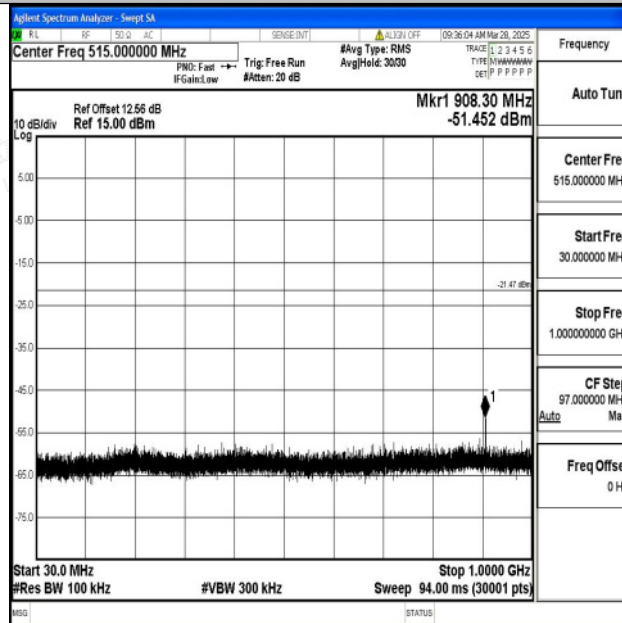
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.47	-1.47	---	PASS
DH5	Ant1	2402	30~1000	-1.47	-51.45	≤ -21.47	PASS
DH5	Ant1	2402	1000~26500	-1.47	-41.56	≤ -21.47	PASS
DH5	Ant1	2441	0~Reference	-1.97	-1.97	---	PASS
DH5	Ant1	2441	30~1000	-1.97	-56.68	≤ -21.97	PASS
DH5	Ant1	2441	1000~26500	-1.97	-41.54	≤ -21.97	PASS
DH5	Ant1	2480	0~Reference	-3.24	-3.24	---	PASS
DH5	Ant1	2480	30~1000	-3.24	-57.05	≤ -23.24	PASS
DH5	Ant1	2480	1000~26500	-3.24	-41.61	≤ -23.24	PASS
2DH5	Ant1	2402	0~Reference	-4.84	-4.84	---	PASS
2DH5	Ant1	2402	30~1000	-4.84	-55.45	≤ -24.84	PASS
2DH5	Ant1	2402	1000~26500	-4.84	-41.19	≤ -24.84	PASS
2DH5	Ant1	2441	0~Reference	-6.33	-6.33	---	PASS
2DH5	Ant1	2441	30~1000	-6.33	-55.64	≤ -26.33	PASS
2DH5	Ant1	2441	1000~26500	-6.33	-41.32	≤ -26.33	PASS
2DH5	Ant1	2480	0~Reference	-3.60	-3.60	---	PASS
2DH5	Ant1	2480	30~1000	-3.60	-56.55	≤ -23.6	PASS
2DH5	Ant1	2480	1000~26500	-3.60	-40.95	≤ -23.6	PASS
3DH5	Ant1	2402	0~Reference	-5.09	-5.09	---	PASS
3DH5	Ant1	2402	30~1000	-5.09	-57.13	≤ -25.09	PASS
3DH5	Ant1	2402	1000~26500	-5.09	-41.13	≤ -25.09	PASS
3DH5	Ant1	2441	0~Reference	-5.53	-5.53	---	PASS
3DH5	Ant1	2441	30~1000	-5.53	-57.01	≤ -25.53	PASS
3DH5	Ant1	2441	1000~26500	-5.53	-40.29	≤ -25.53	PASS
3DH5	Ant1	2480	0~Reference	-6.71	-6.71	---	PASS
3DH5	Ant1	2480	30~1000	-6.71	-56.62	≤ -26.71	PASS
3DH5	Ant1	2480	1000~26500	-6.71	-41.05	≤ -26.71	PASS



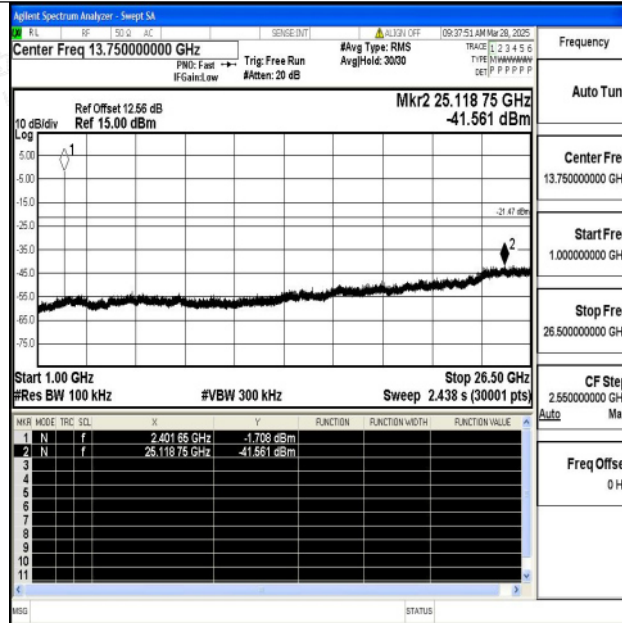
Test Graphs

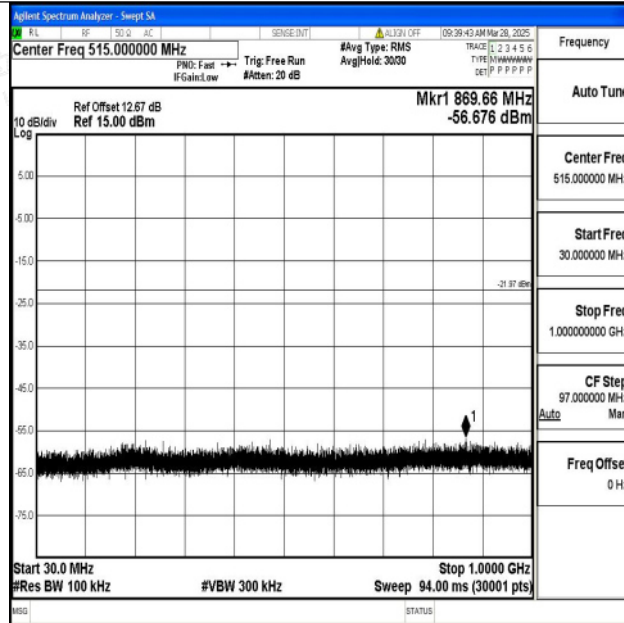


DH5-Ant1-2402-0~Reference-PASS

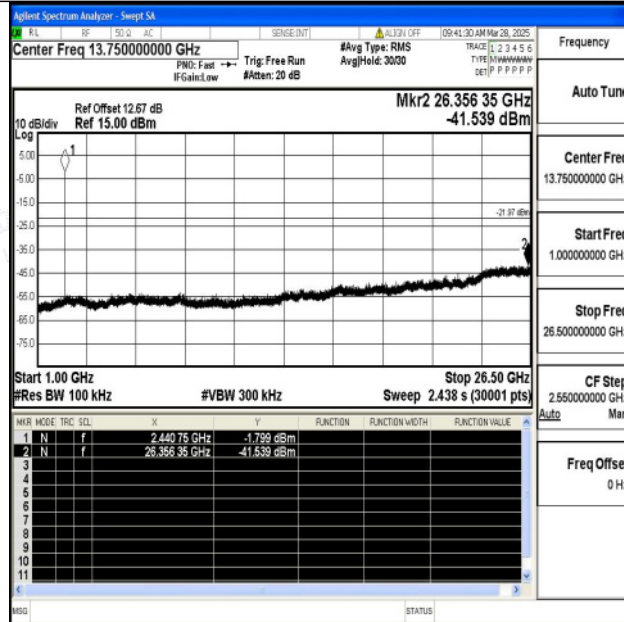


DH5-Ant1-2402-30~1000-PASS

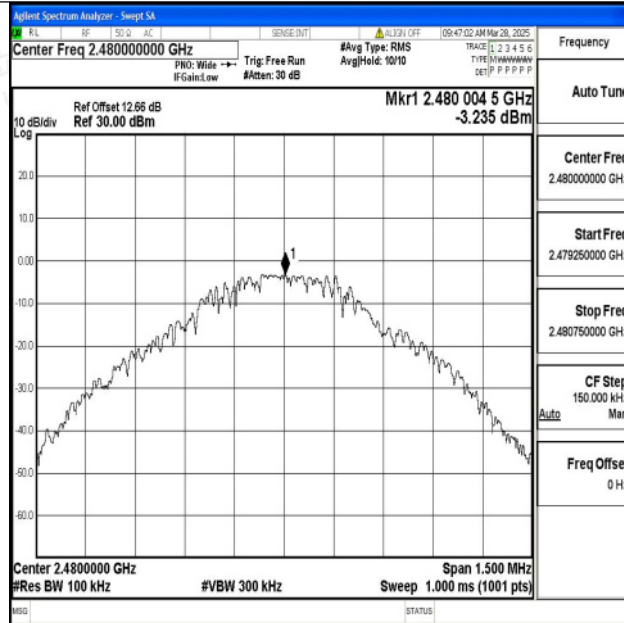




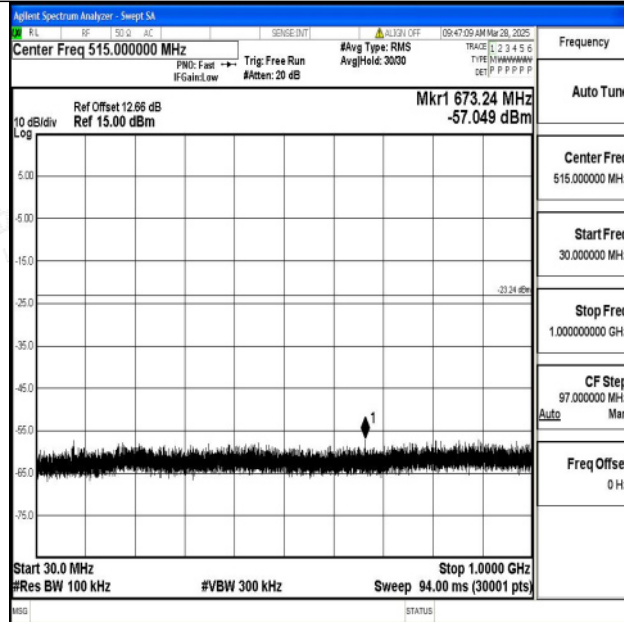
DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS



DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS