Appendix for Bluetooth BR/EDR mode

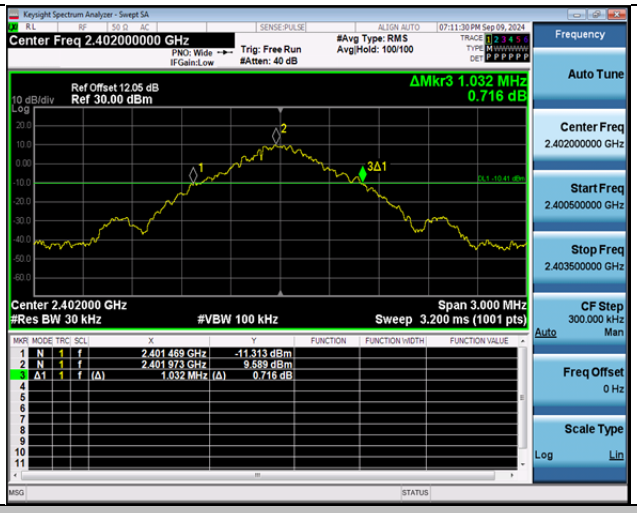
Product Name: InTOUCH07A-AllyW
Model No: InAIO070A

Appendix A: 20dB Emission Bandwidth

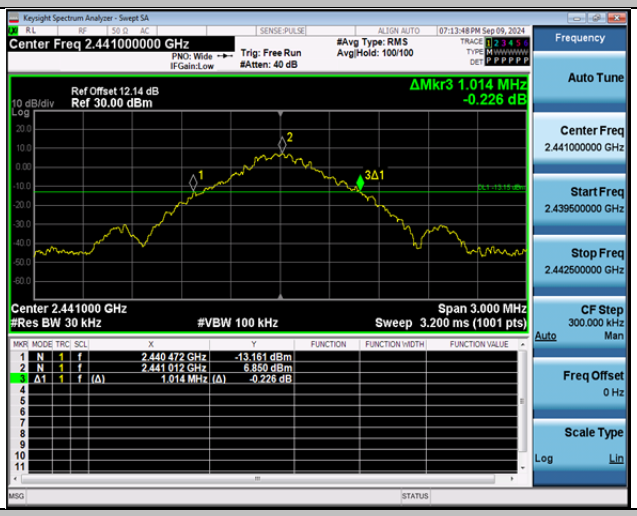
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.032	2401.469	2402.501	---	---
DH5	Ant1	2441	1.014	2440.472	2441.486	---	---
DH5	Ant1	2480	1.008	2479.487	2480.495	---	---
2DH5	Ant1	2402	1.335	2401.331	2402.666	---	---
2DH5	Ant1	2441	1.293	2440.364	2441.657	---	---
2DH5	Ant1	2480	1.326	2479.337	2480.663	---	---
3DH5	Ant1	2402	1.326	2401.340	2402.666	---	---
3DH5	Ant1	2441	1.320	2440.343	2441.663	---	---
3DH5	Ant1	2480	1.317	2479.343	2480.660	---	---

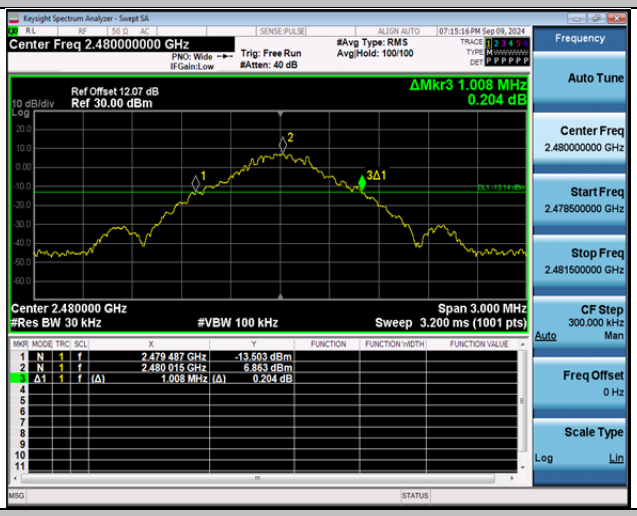
Test Graphs



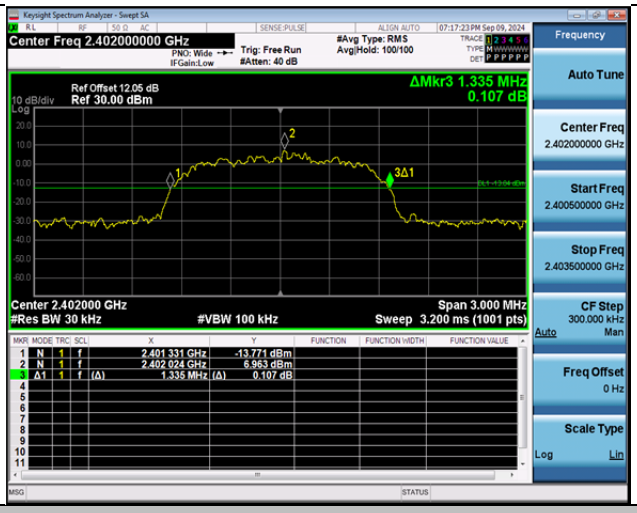
DH5-Ant1-2402



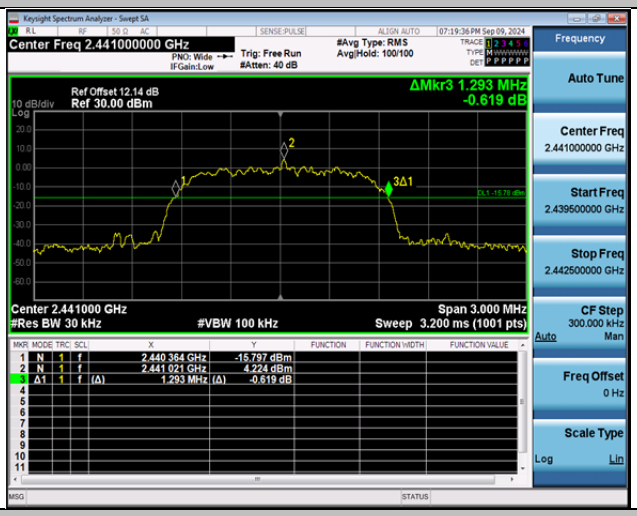
DH5-Ant1-2441



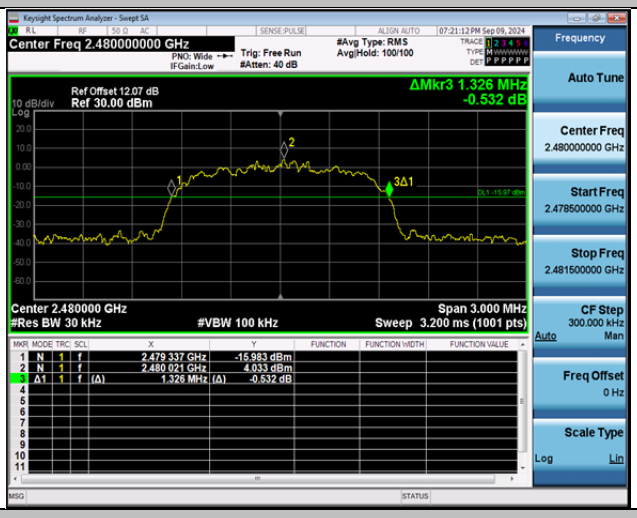
DH5-Ant1-2480



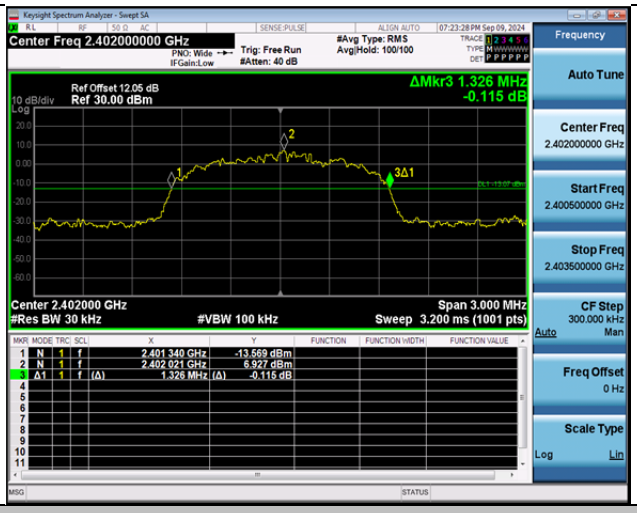
2DH5-Ant1-2402



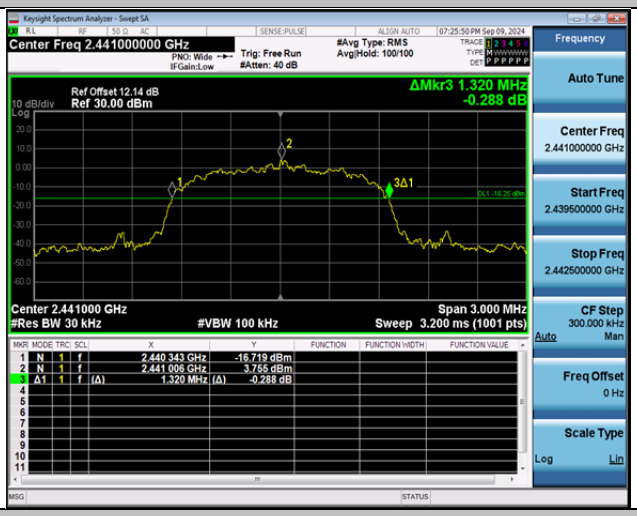
2DH5-Ant1-2441



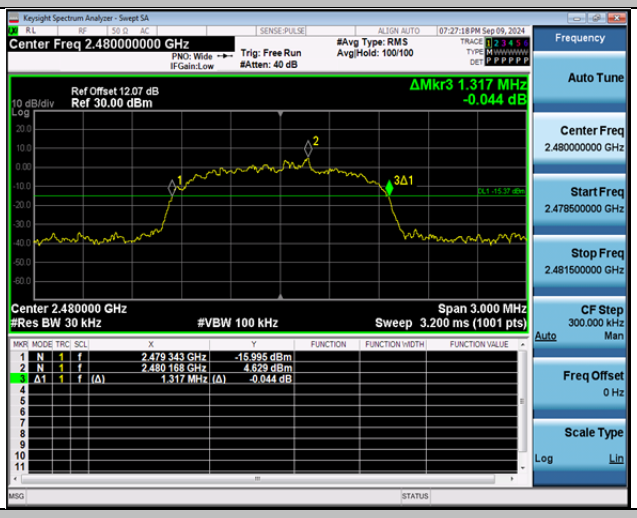
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



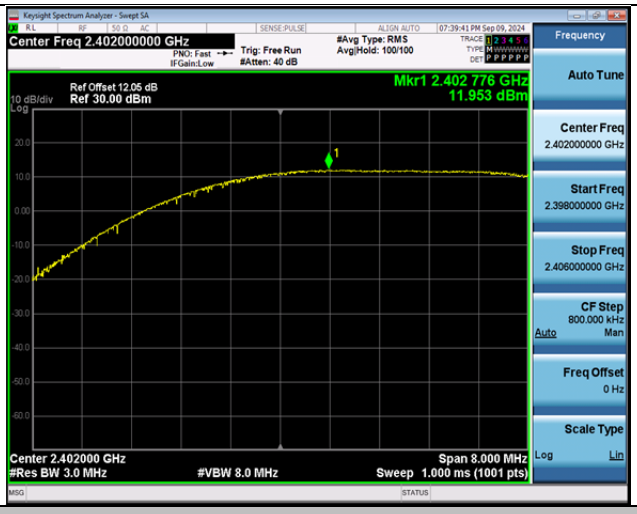
3DH5-Ant1-2480

Appendix B: Maximum conducted output power

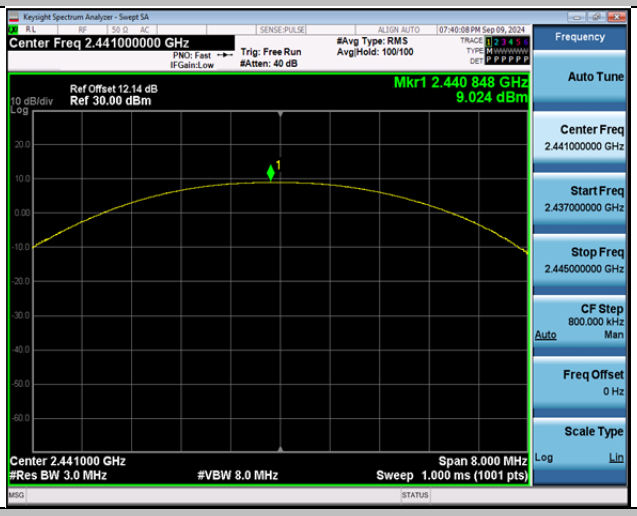
Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	11.95	≤20.97	PASS
DH5	Ant1	2441	9.02	≤20.97	PASS
DH5	Ant1	2480	8.97	≤20.97	PASS
2DH5	Ant1	2402	11.49	≤20.97	PASS
2DH5	Ant1	2441	9.37	≤20.97	PASS
2DH5	Ant1	2480	8.90	≤20.97	PASS
3DH5	Ant1	2402	12.10	≤20.97	PASS
3DH5	Ant1	2441	9.06	≤20.97	PASS
3DH5	Ant1	2480	9.01	≤20.97	PASS

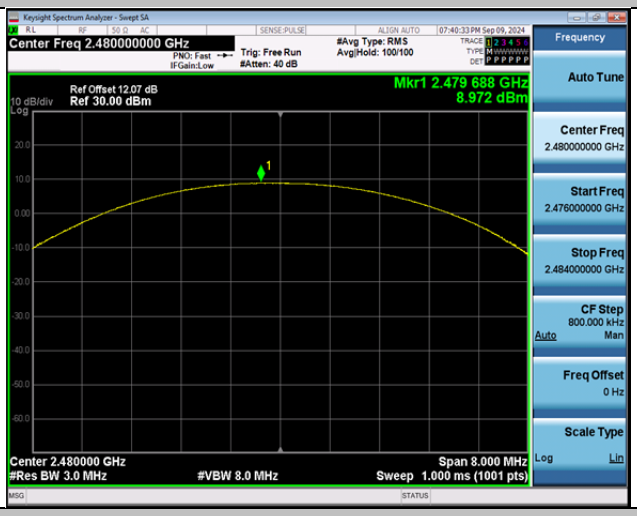
Test Graphs



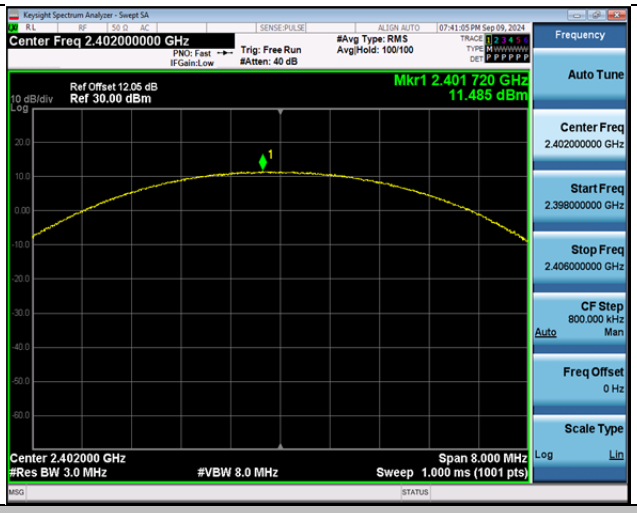
DH5-Ant1-2402-PASS



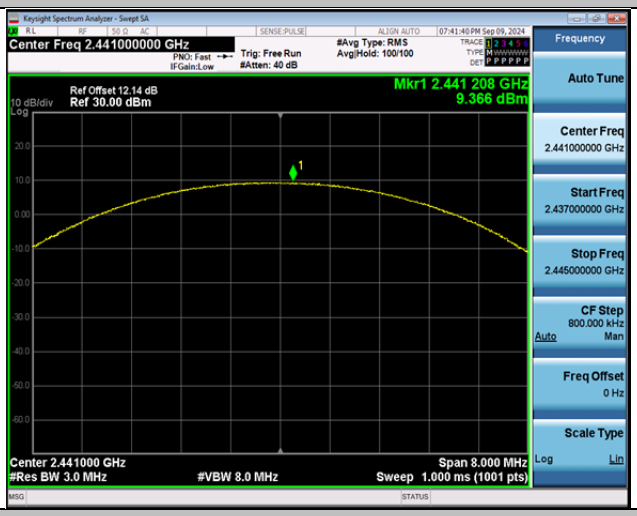
DH5-Ant1-2441-PASS



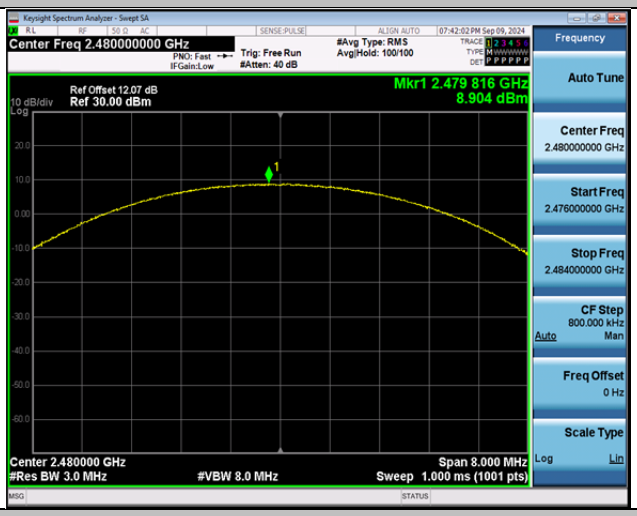
DH5-Ant1-2480-PASS



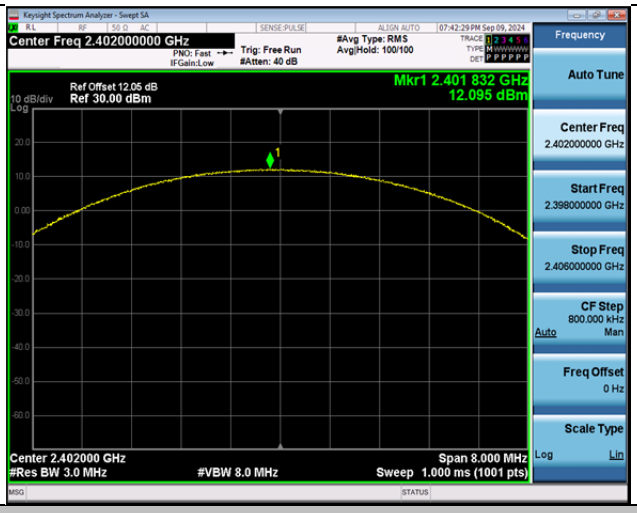
2DH5-Ant1-2402-PASS



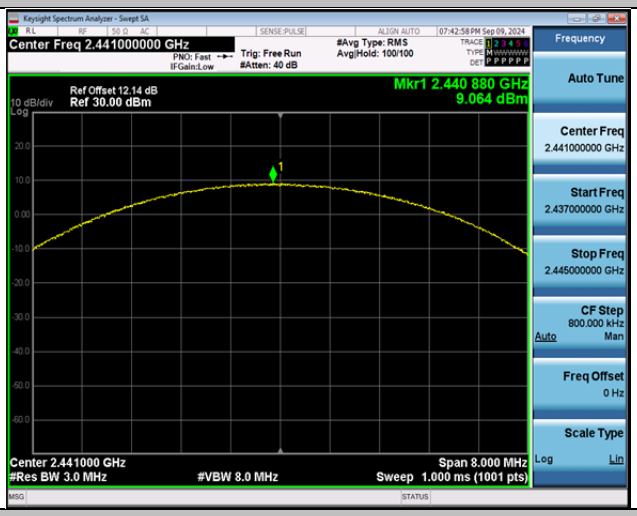
2DH5-Ant1-2441-PASS



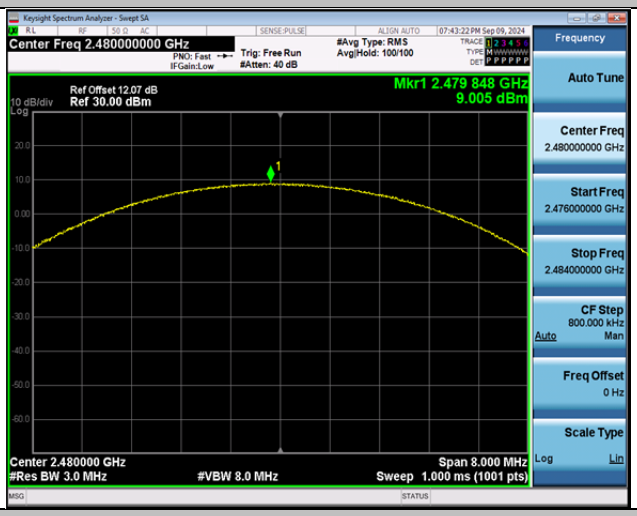
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



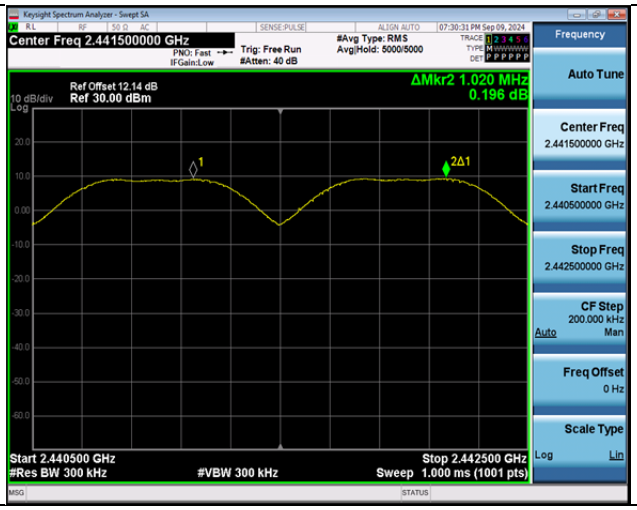
3DH5-Ant1-2480-PASS

Appendix C: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.02	≥0.688	PASS
2DH5	Ant1	Hop	0.982	≥0.890	PASS
3DH5	Ant1	Hop	1.012	≥0.884	PASS

Test Graphs



DH5-Ant1-Hop-PASS

2DH5-Ant1-Hop-PASS

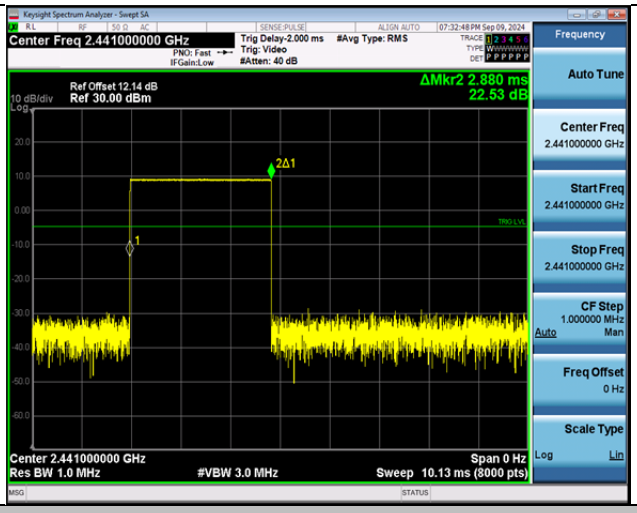
3DH5-Ant1-Hop-PASS

Appendix D: Time of occupancy

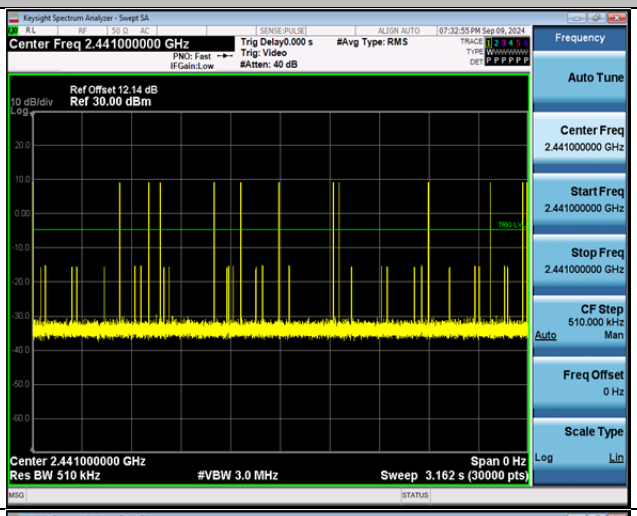
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.880	130	0.374	≤0.4	PASS
2DH5	Ant1	Hop	2.883	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.885	90	0.26	≤0.4	PASS

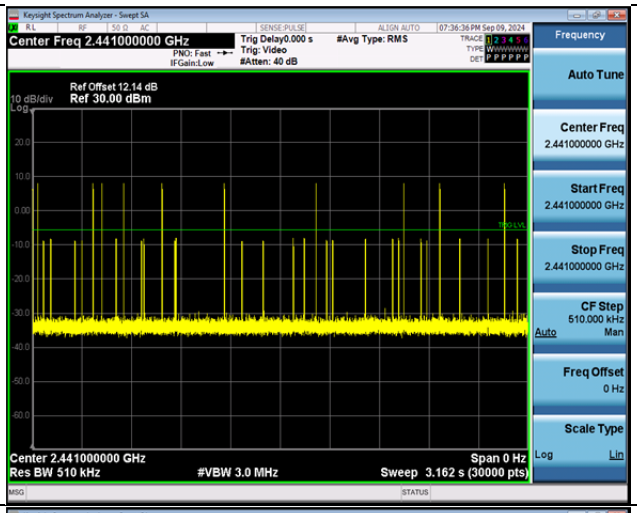
Test Graphs

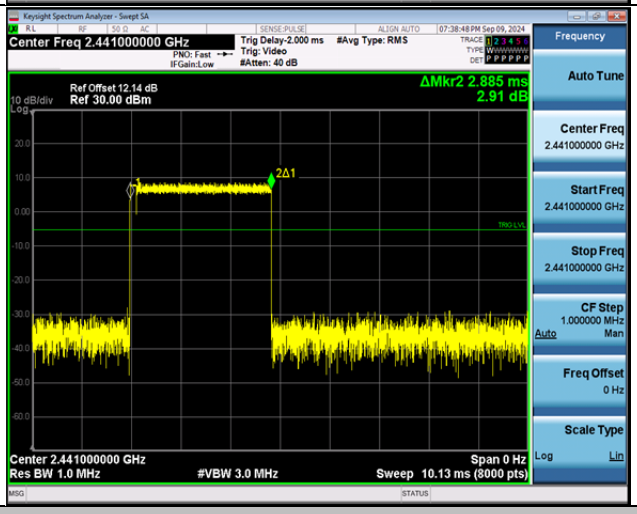


DH5-Ant1-Hop-PASS

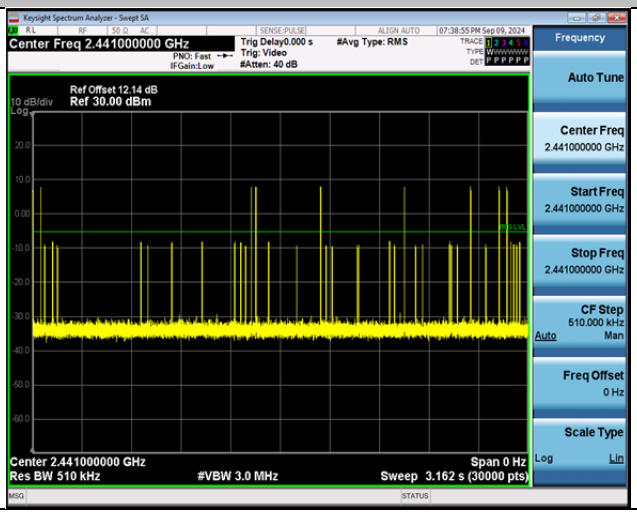


2DH5-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS

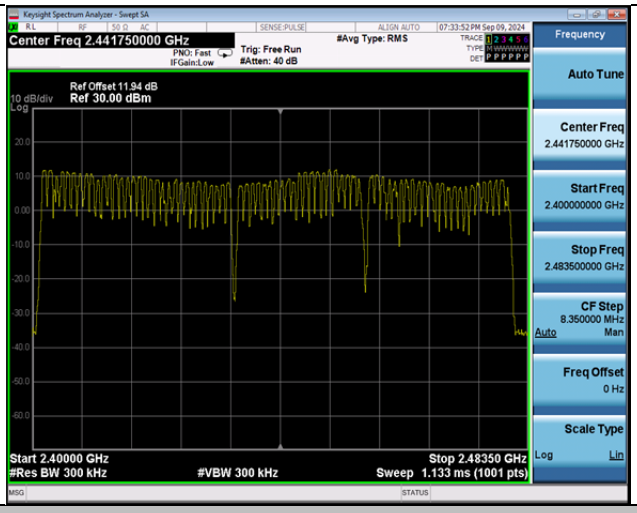


Appendix E: Number of hopping channels

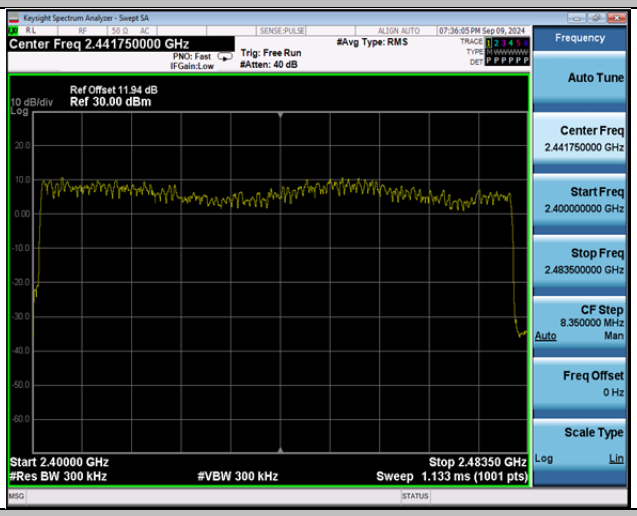
Test Result

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

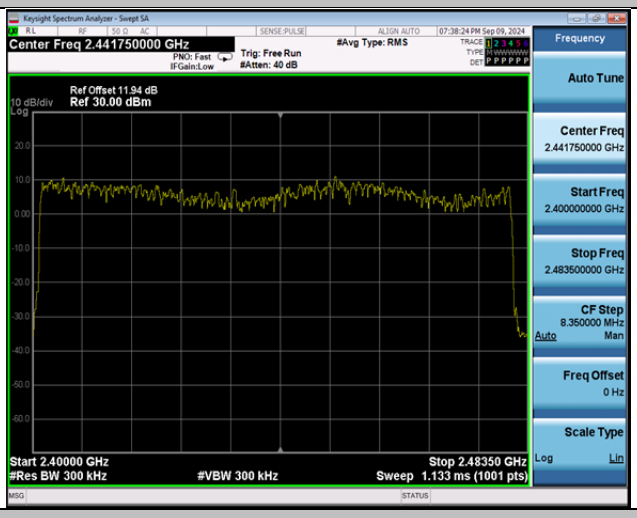
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



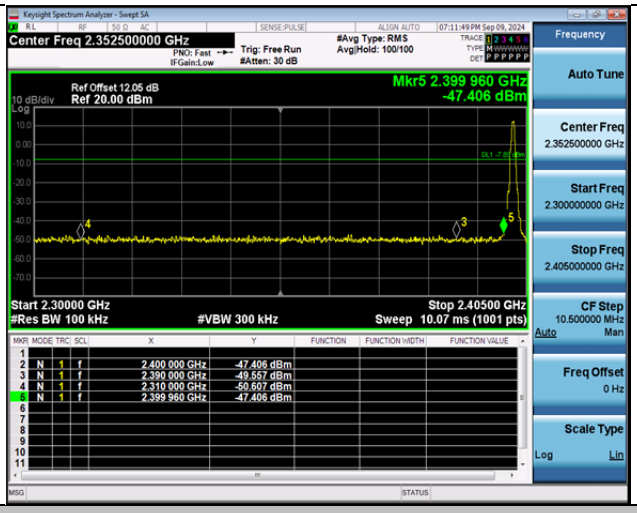
3DH5-Ant1-Hop-PASS

Appendix F: Band edge measurements

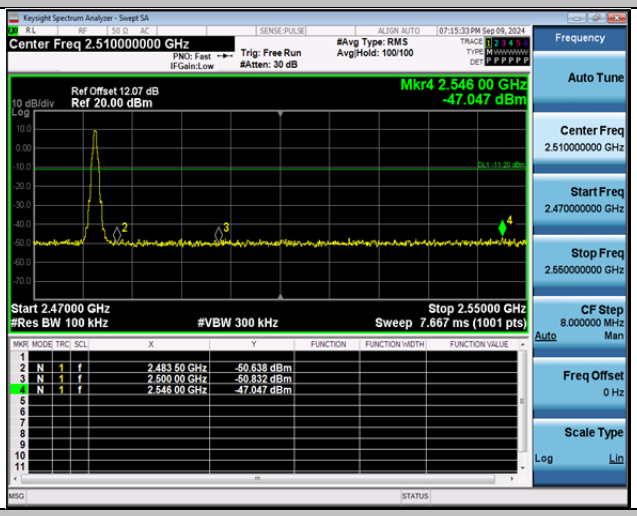
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	12.11	-47.41	≤-7.89	PASS
DH5	Ant1	High	2480	8.80	-47.05	≤-11.2	PASS
DH5	Ant1	Low	Hop_2402	10.42	-45.96	≤-9.58	PASS
DH5	Ant1	High	Hop_2480	7.42	-46.83	≤-12.58	PASS
2DH5	Ant1	Low	2402	11.26	-41.95	≤-8.74	PASS
2DH5	Ant1	High	2480	8.52	-47.18	≤-11.48	PASS
2DH5	Ant1	Low	Hop_2402	8.56	-46.3	≤-11.44	PASS
2DH5	Ant1	High	Hop_2480	3.93	-46.68	≤-16.07	PASS
3DH5	Ant1	Low	2402	10.48	-41.06	≤-9.52	PASS
3DH5	Ant1	High	2480	8.02	-47	≤-11.98	PASS
3DH5	Ant1	Low	Hop_2402	5.34	-47.05	≤-14.66	PASS
3DH5	Ant1	High	Hop_2480	3.45	-47.12	≤-16.55	PASS

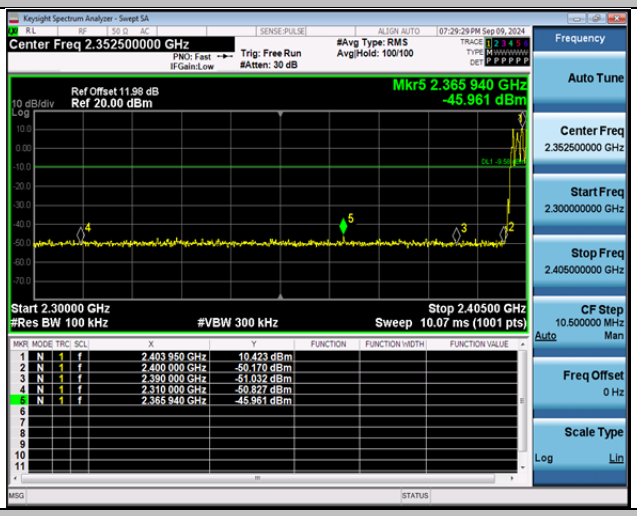
Test Graphs



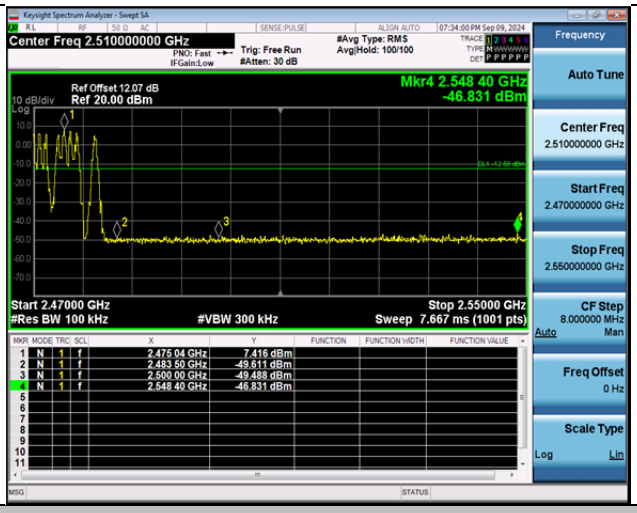
DH5-Ant1-2402-PASS



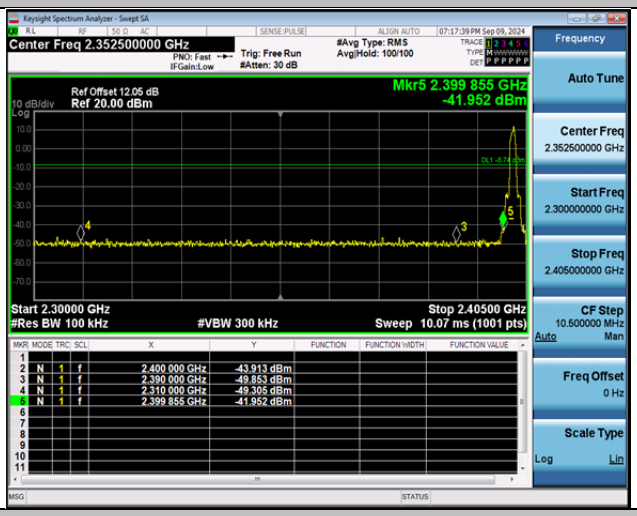
DH5-Ant1-2480-PASS



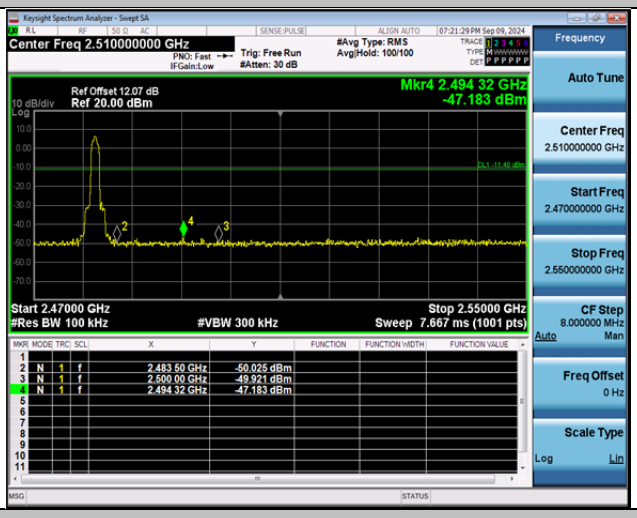
DH5-Ant1-Hop_2402-PASS



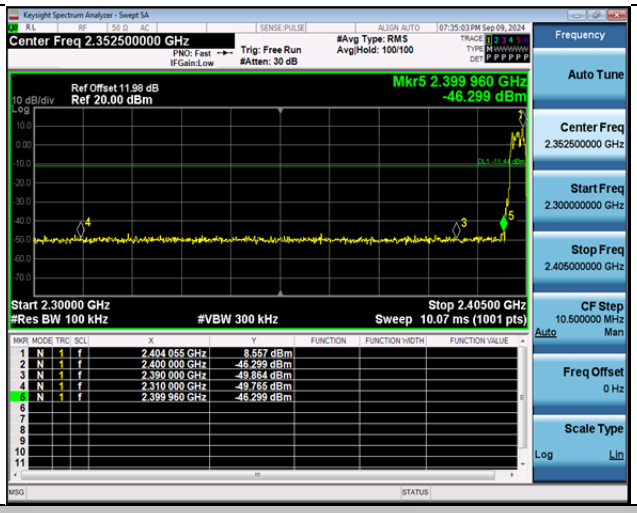
DH5-Ant1-Hop_2480-PASS



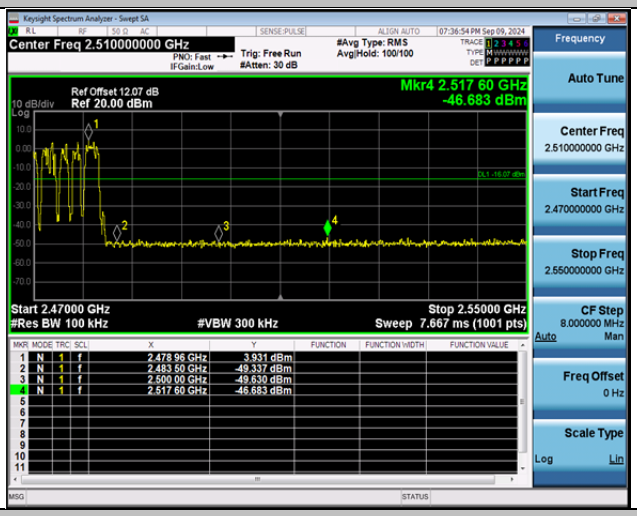
2DH5-Ant1-2402-PASS



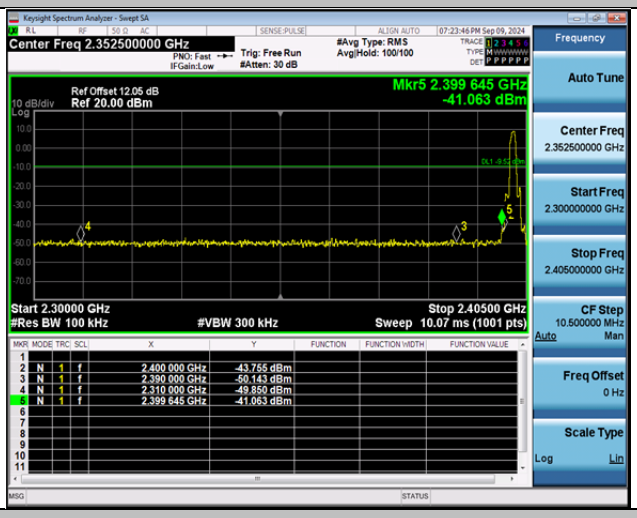
2DH5-Ant1-2480-PASS



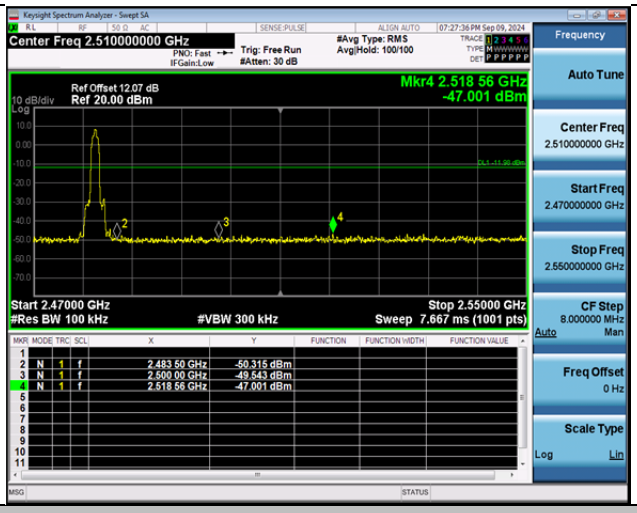
2DH5-Ant1-Hop_2402-PASS



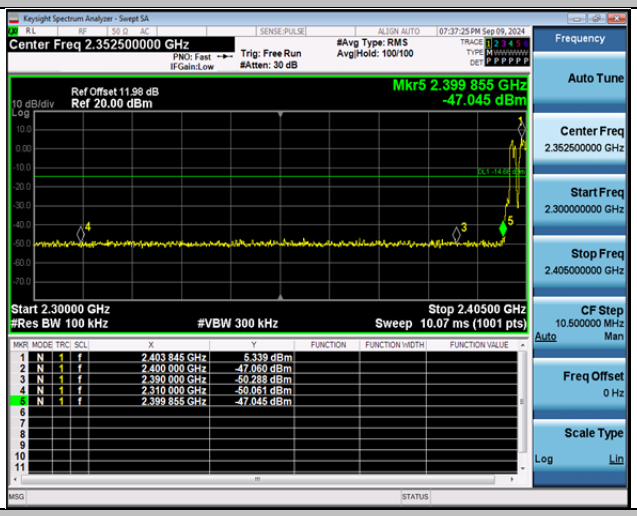
2DH5-Ant1-Hop_2480-PASS



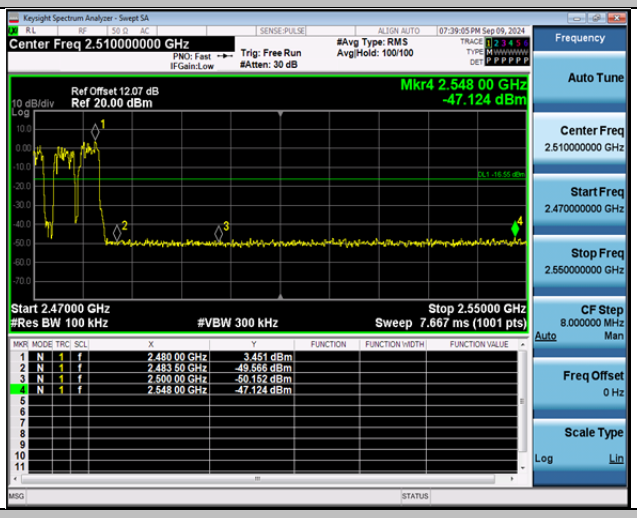
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS

Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	30~1000	12.11	-59.2	≤-7.89	PASS
DH5	Ant1	2402	1000~26500	12.11	-43.76	≤-7.89	PASS
DH5	Ant1	2441	30~1000	9.32	-58.82	≤-10.68	PASS
DH5	Ant1	2441	1000~26500	9.32	-44.19	≤-10.68	PASS
DH5	Ant1	2480	30~1000	8.80	-41.22	≤-11.2	PASS
DH5	Ant1	2480	1000~26500	8.80	-44.4	≤-11.2	PASS
2DH5	Ant1	2402	30~1000	11.26	-58.91	≤-8.74	PASS
2DH5	Ant1	2402	1000~26500	11.26	-43.86	≤-8.74	PASS
2DH5	Ant1	2441	30~1000	8.00	-58.89	≤-12	PASS
2DH5	Ant1	2441	1000~26500	8.00	-42.98	≤-12	PASS
2DH5	Ant1	2480	30~1000	8.52	-54.29	≤-11.48	PASS
2DH5	Ant1	2480	1000~26500	8.52	-42.82	≤-11.48	PASS
3DH5	Ant1	2402	30~1000	10.48	-58.48	≤-9.52	PASS
3DH5	Ant1	2402	1000~26500	10.48	-43.65	≤-9.52	PASS
3DH5	Ant1	2441	30~1000	7.56	-58.87	≤-12.44	PASS
3DH5	Ant1	2441	1000~26500	7.56	-44.39	≤-12.44	PASS
3DH5	Ant1	2480	30~1000	8.02	-58.6	≤-11.98	PASS
3DH5	Ant1	2480	1000~26500	8.02	-43.95	≤-11.98	PASS