

## Appendix Test Data for BT(BDR/EDR) (Conducted Measurement)

Product Name: Wireless Earbuds

Trade Mark: N/A

Test Model: AI1014

FCC ID: 2AL9B-AI1014

### Environmental Conditions

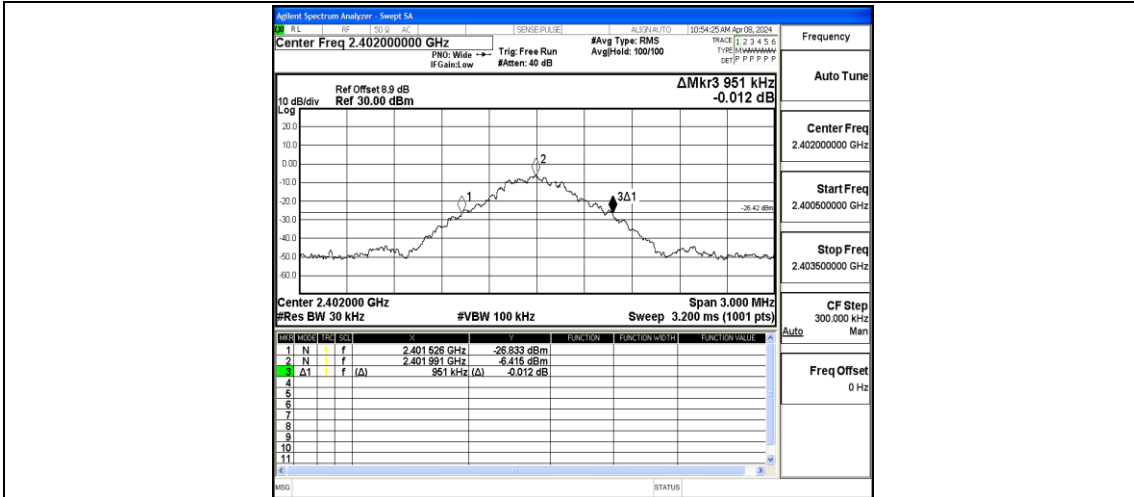
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

## Appendix A: 20dB Emission Bandwidth

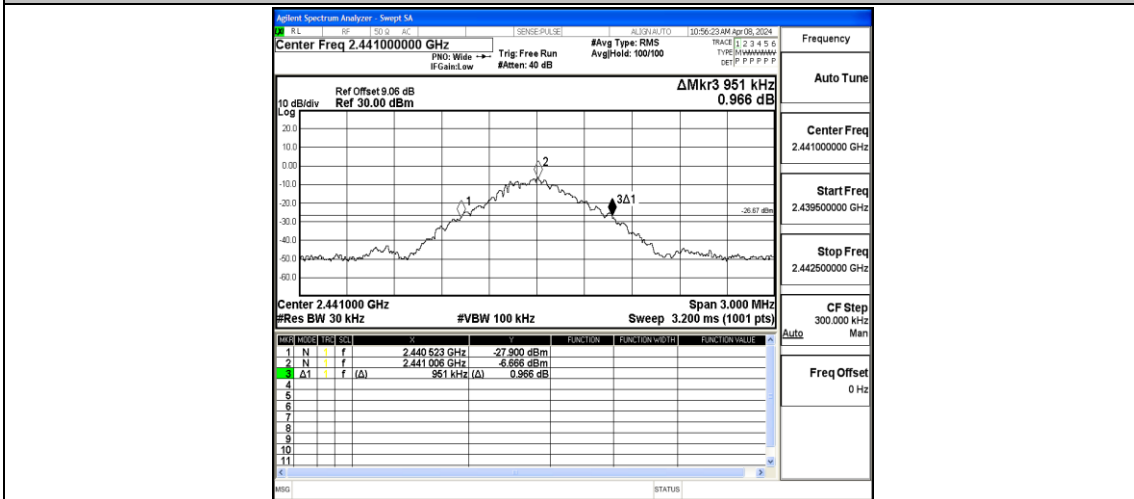
### Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.951	2401.526	2402.477	---	---
DH5	Ant1	2441	0.951	2440.523	2441.474	---	---
DH5	Ant1	2480	0.948	2479.523	2480.471	---	---
2DH5	Ant1	2402	1.272	2401.367	2402.639	---	---
2DH5	Ant1	2441	1.326	2440.322	2441.648	---	---
2DH5	Ant1	2480	1.278	2479.358	2480.636	---	---
3DH5	Ant1	2402	1.278	2401.346	2402.624	---	---
3DH5	Ant1	2441	1.302	2440.346	2441.648	---	---
3DH5	Ant1	2480	1.266	2479.346	2480.612	---	---

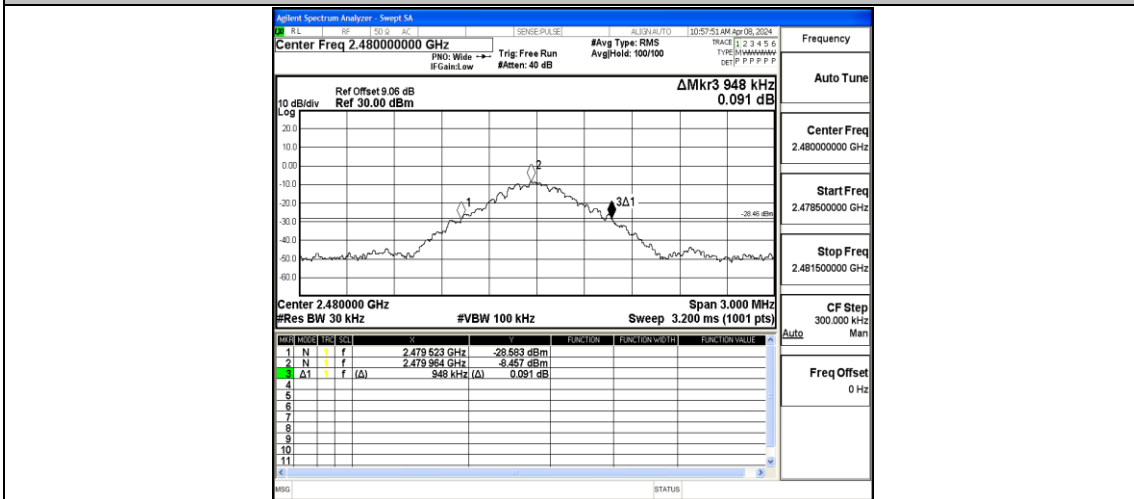
### Test Graphs



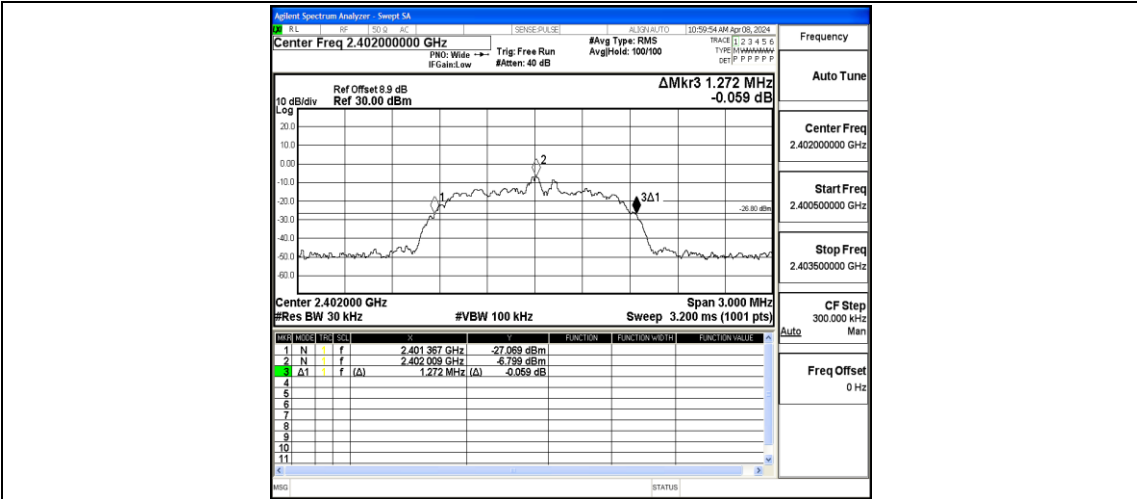
DH5-Ant1-2402



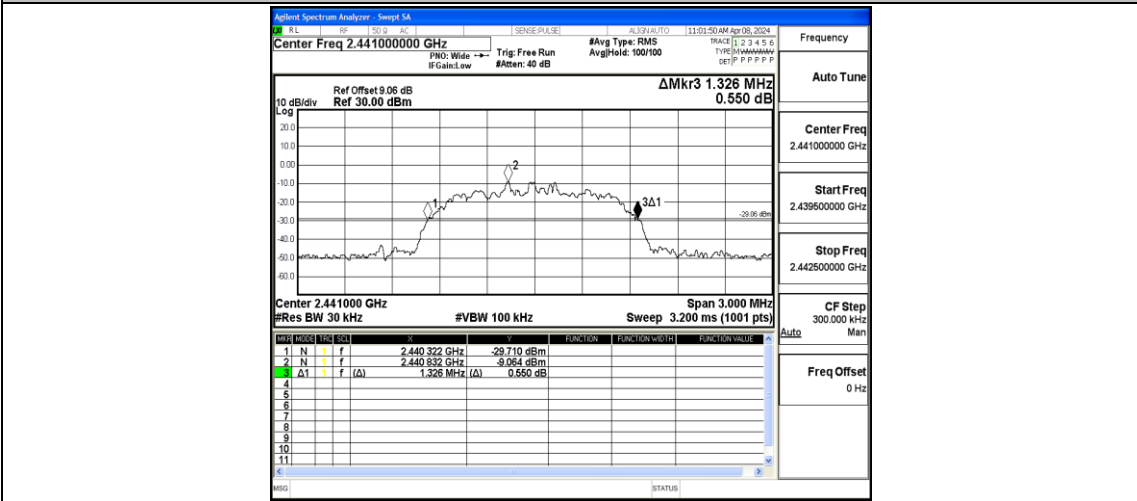
DH5-Ant1-2441



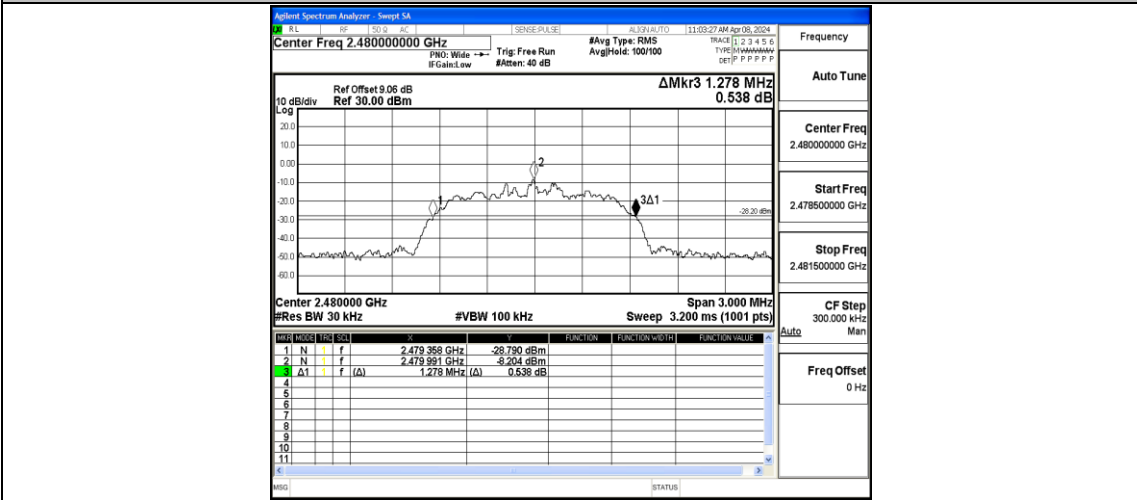
DH5-Ant1-2480



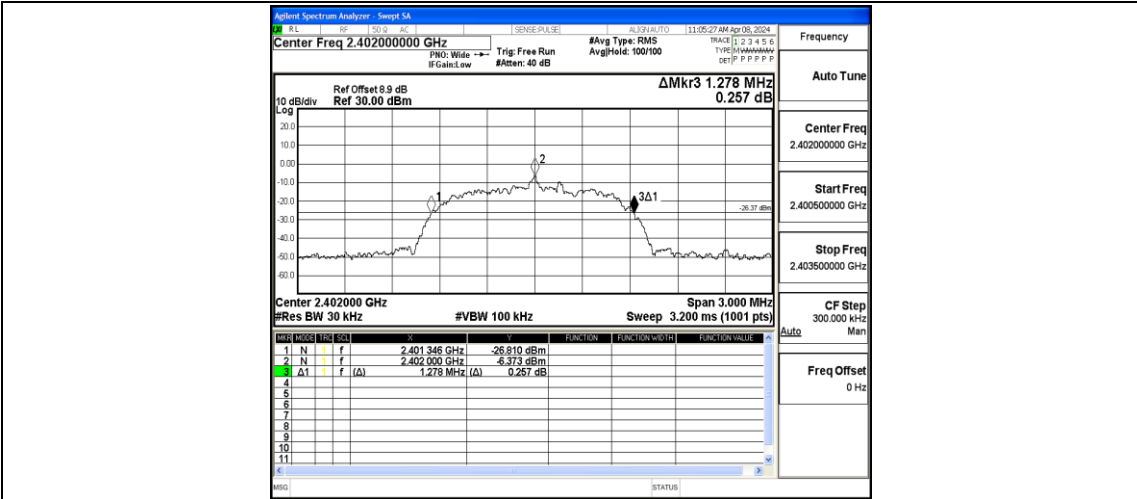
2DH5-Ant1-2402



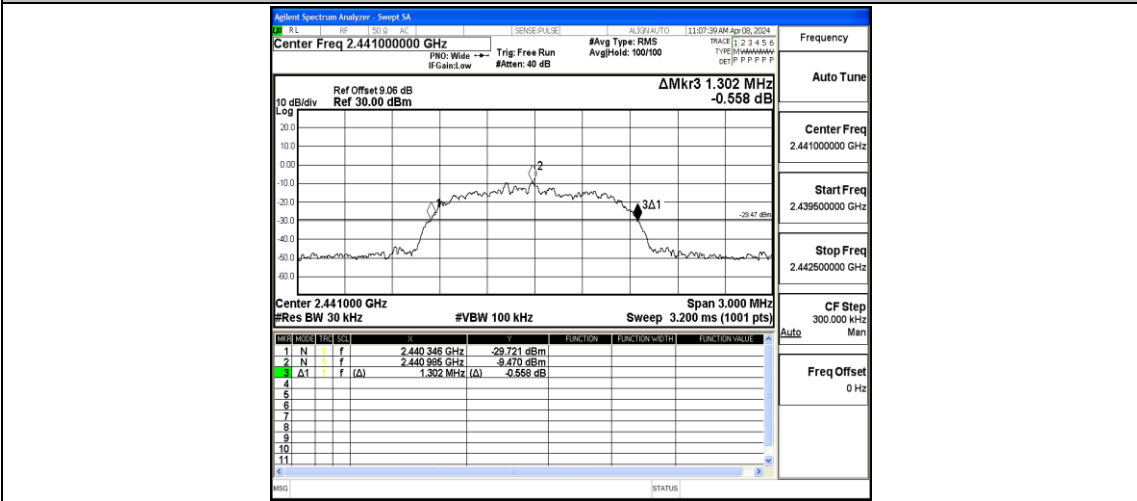
2DH5-Ant1-2441



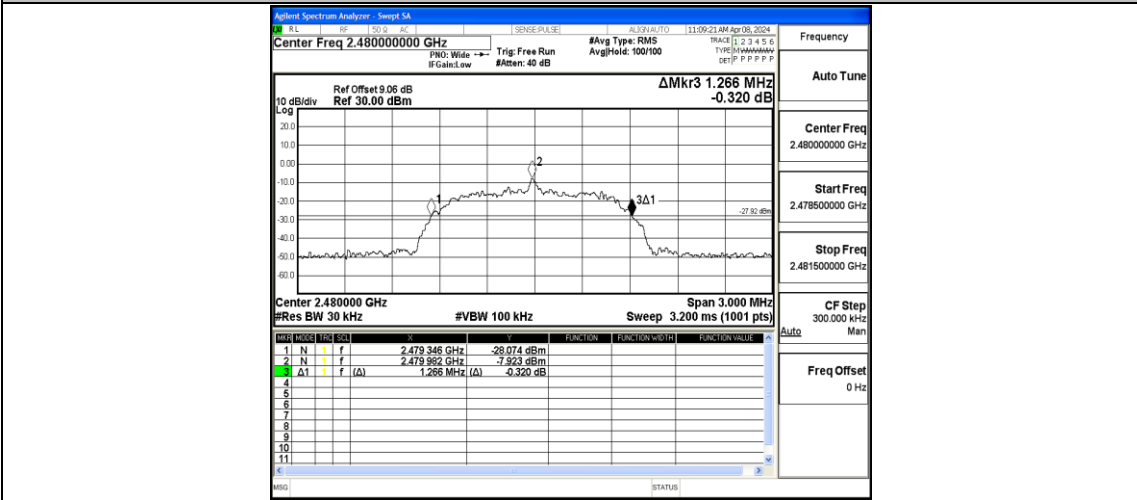
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



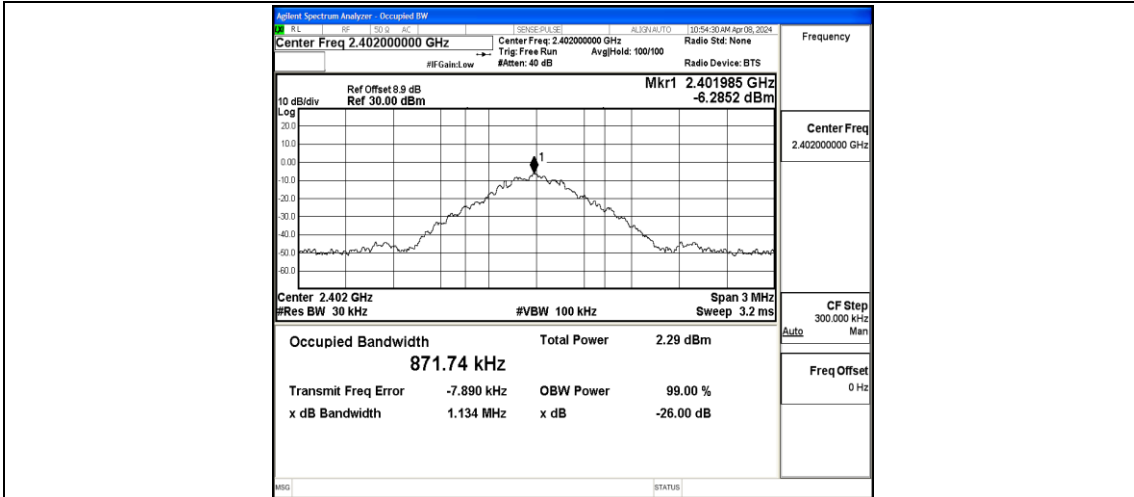
3DH5-Ant1-2480

## Appendix B: Occupied Channel Bandwidth

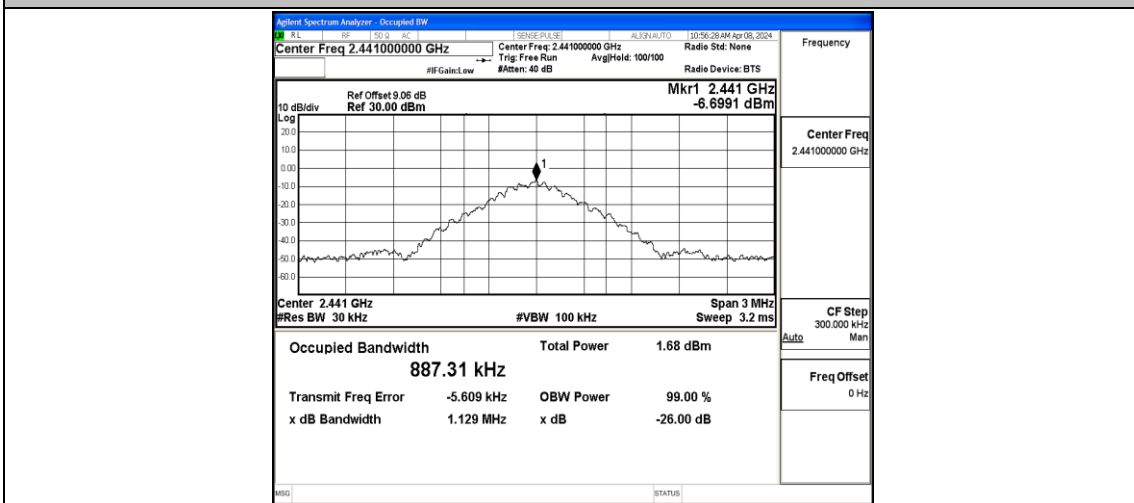
### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87174	2401.5562	2402.4280	---	---
DH5	Ant1	2441	0.88731	2440.5507	2441.4380	---	---
DH5	Ant1	2480	0.87332	2479.5535	2480.4268	---	---
2DH5	Ant1	2402	1.1872	2401.3989	2402.5861	---	---
2DH5	Ant1	2441	1.1886	2440.3948	2441.5834	---	---
2DH5	Ant1	2480	1.1884	2479.3966	2480.5850	---	---
3DH5	Ant1	2402	1.1972	2401.3888	2402.5860	---	---
3DH5	Ant1	2441	1.1751	2440.4012	2441.5763	---	---
3DH5	Ant1	2480	1.1819	2479.3989	2480.5808	---	---

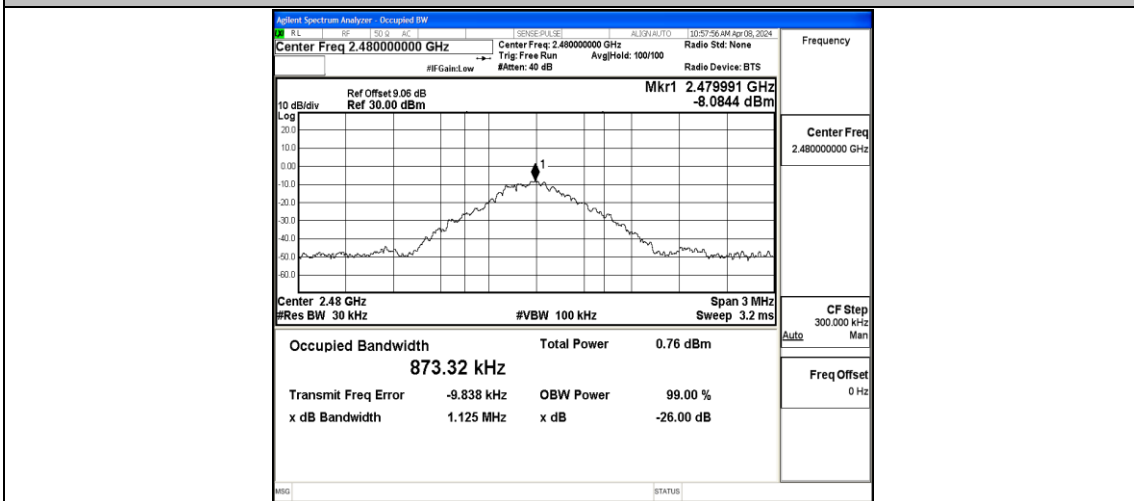
### Test Graphs



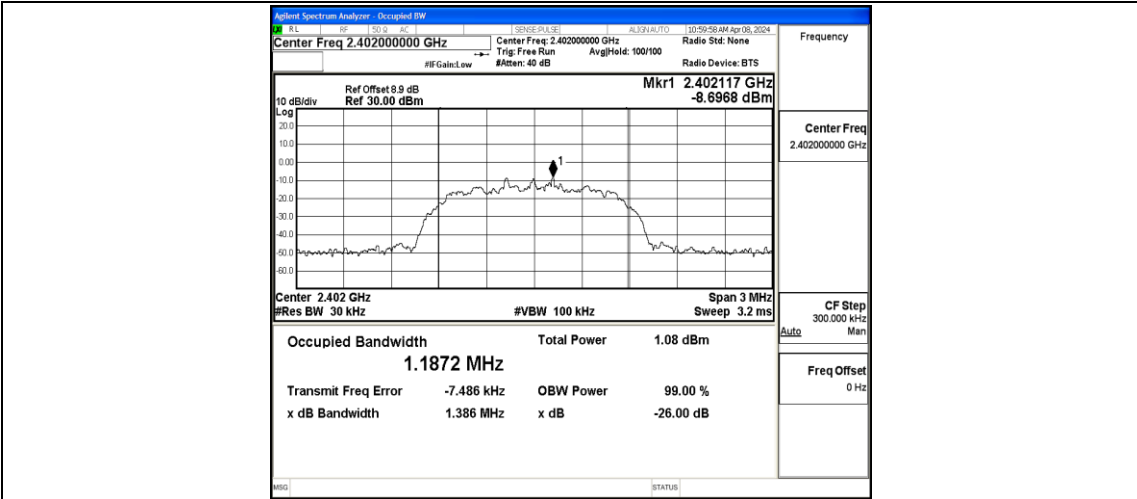
DH5-Ant1-2402



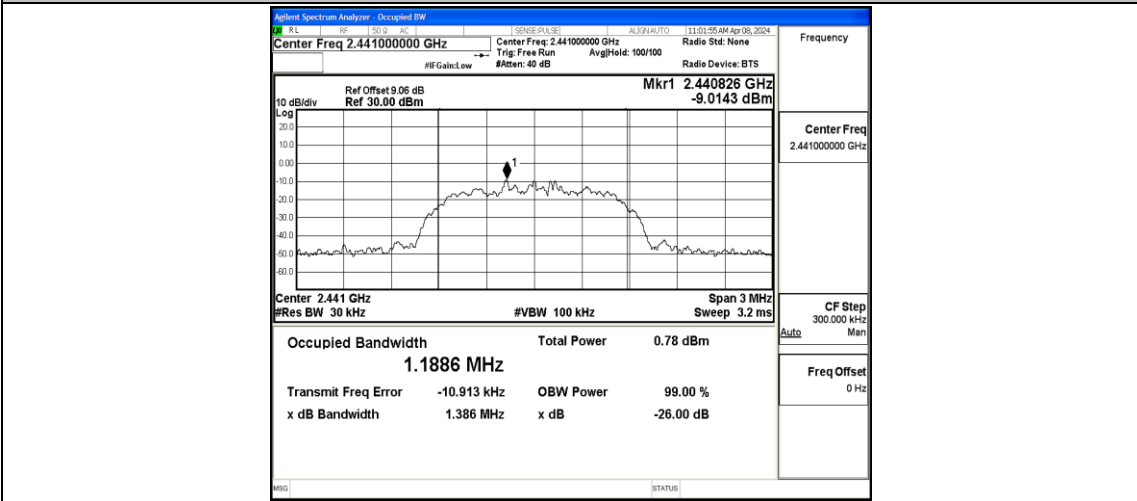
DH5-Ant1-2441



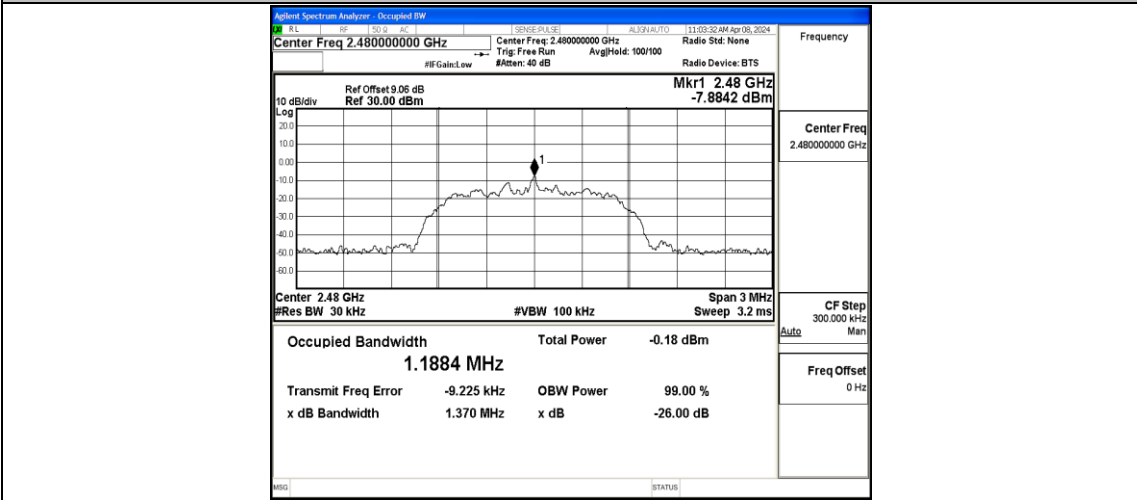
DH5-Ant1-2480



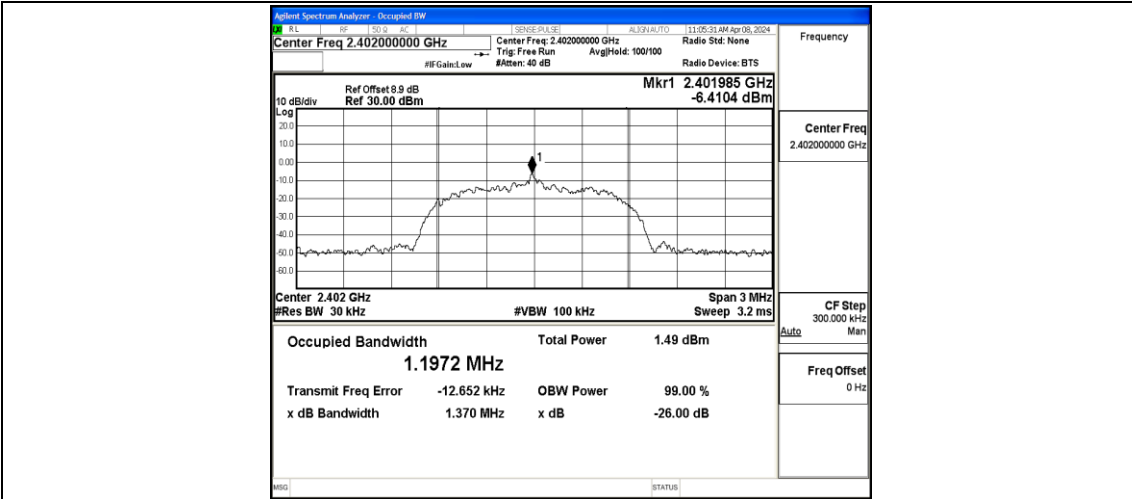
2DH5-Ant1-2402



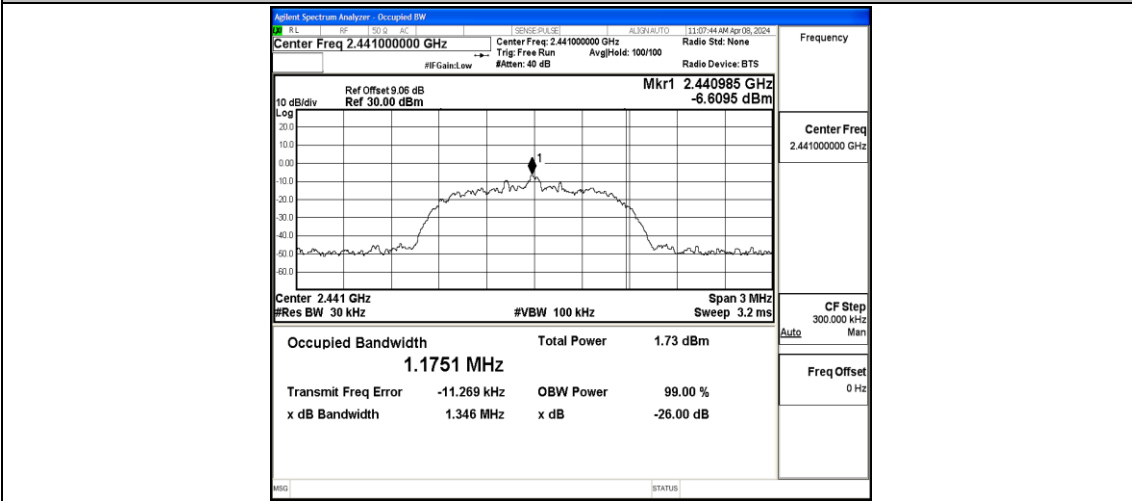
2DH5-Ant1-2441



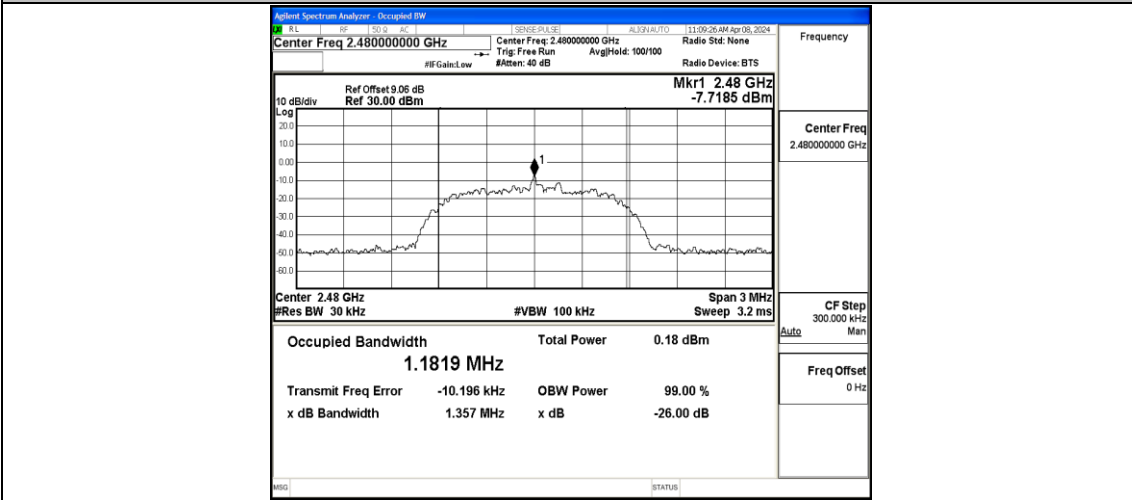
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

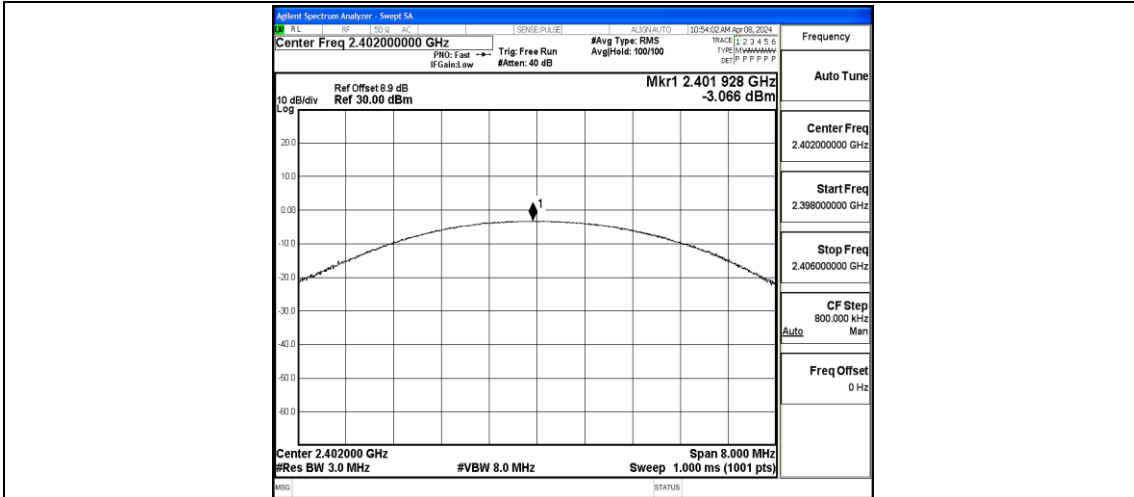


## Appendix C: Maximum peak conducted output power

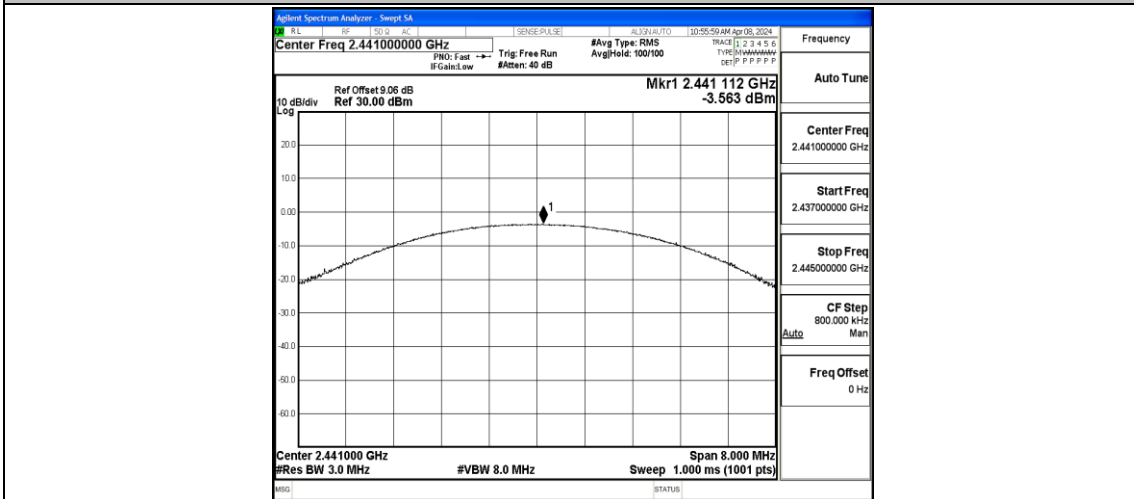
### Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.07	≤30	PASS
DH5	Ant1	2441	-3.56	≤30	PASS
DH5	Ant1	2480	-4.67	≤30	PASS
2DH5	Ant1	2402	-2.95	≤20.97	PASS
2DH5	Ant1	2441	-3.15	≤20.97	PASS
2DH5	Ant1	2480	-4.28	≤20.97	PASS
3DH5	Ant1	2402	-2.24	≤20.97	PASS
3DH5	Ant1	2441	-2.63	≤20.97	PASS
3DH5	Ant1	2480	-3.92	≤20.97	PASS

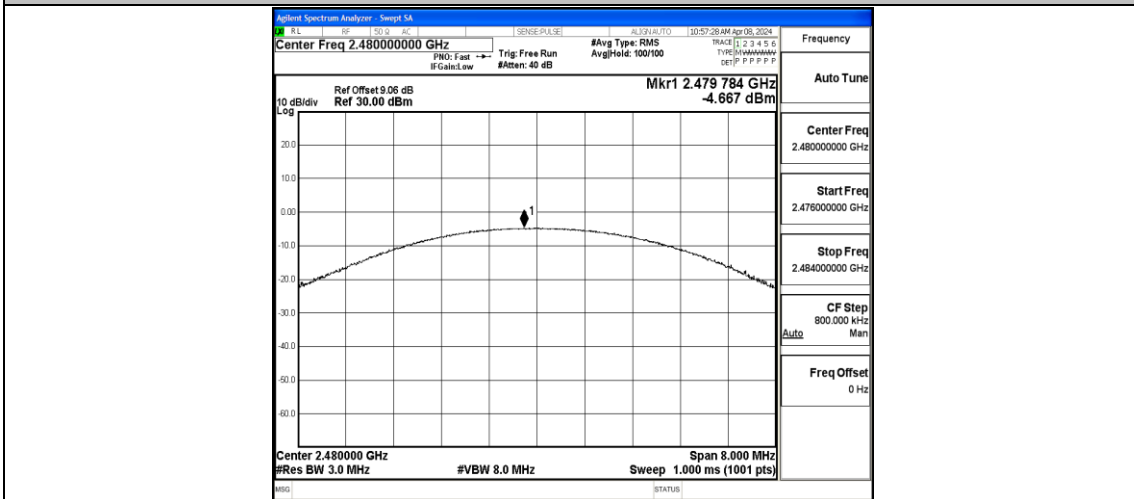
### Test Graphs



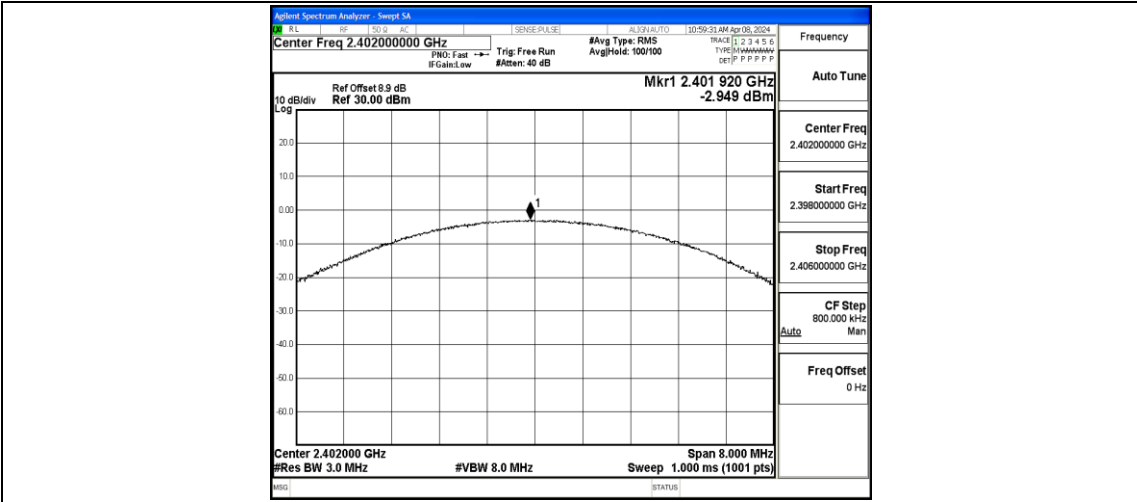
DH5-Ant1-2402-PASS



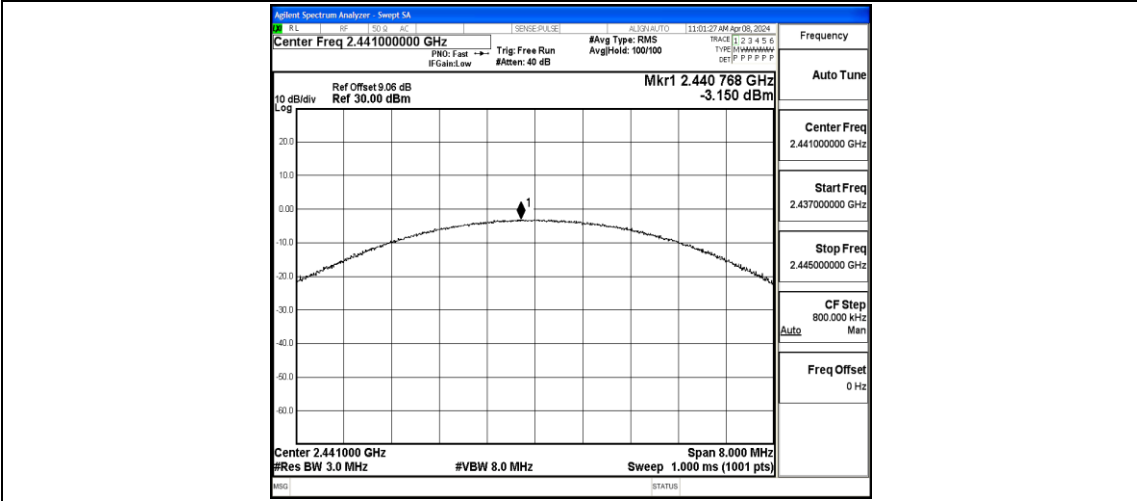
DH5-Ant1-2441-PASS



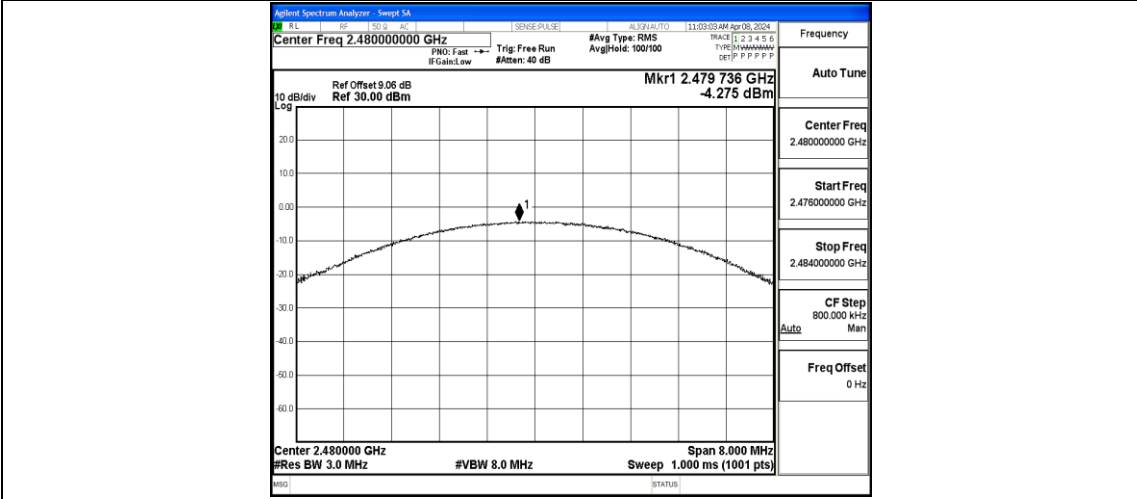
DH5-Ant1-2480-PASS



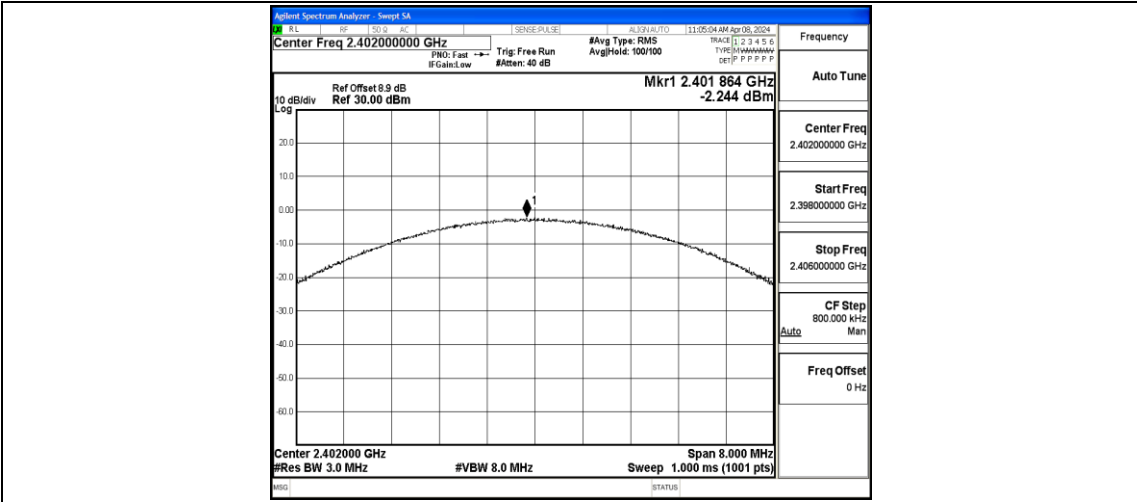
2DH5-Ant1-2402-PASS



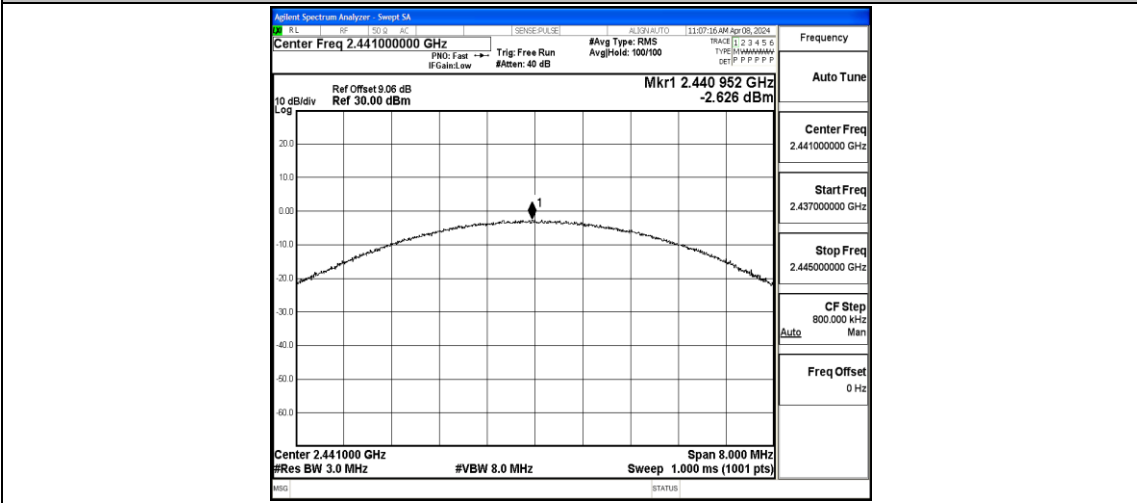
2DH5-Ant1-2441-PASS



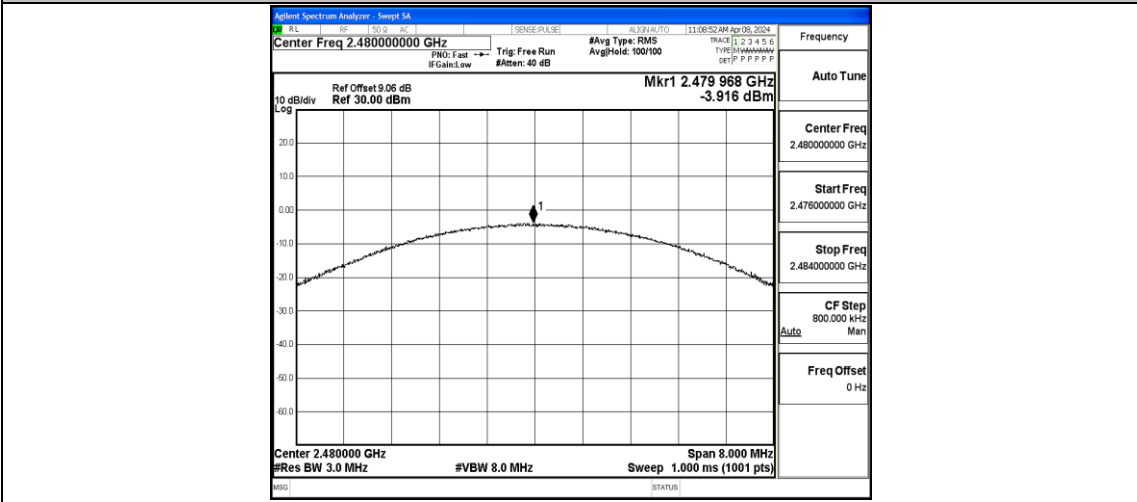
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



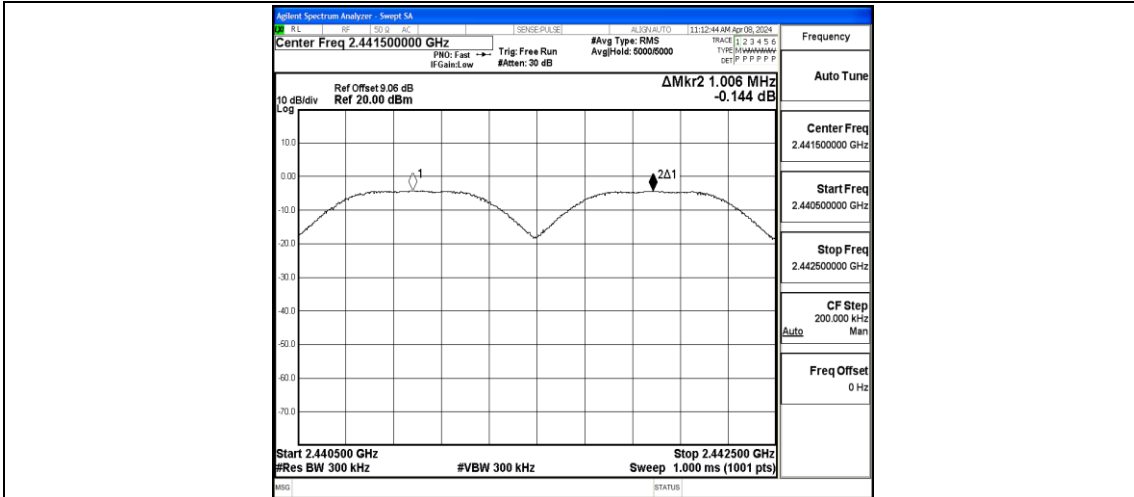
3DH5-Ant1-2480-PASS

## Appendix D: Carrier frequency separation

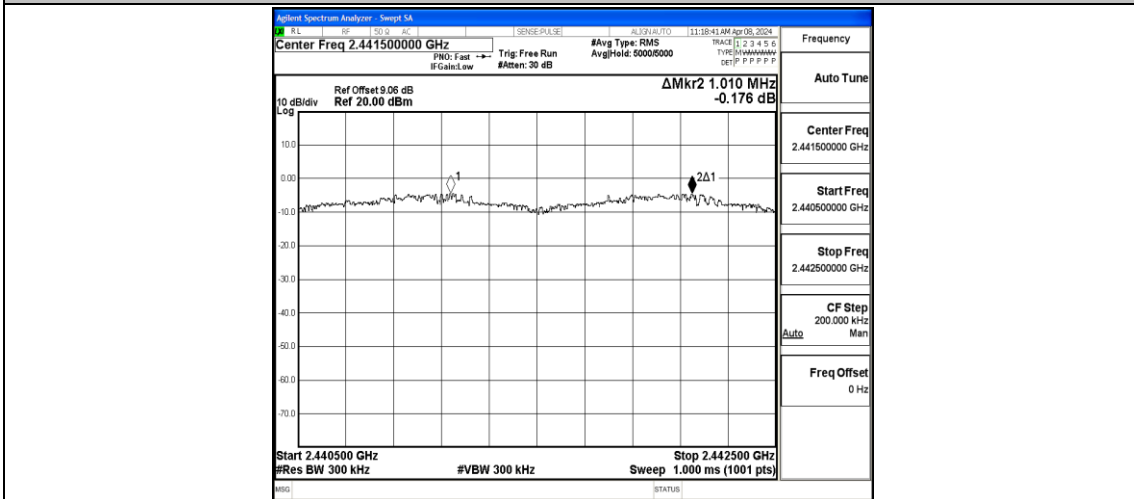
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	$\geq 0.951$	PASS
2DH5	Ant1	Hop	1.01	$\geq 0.884$	PASS
3DH5	Ant1	Hop	0.982	$\geq 0.868$	PASS

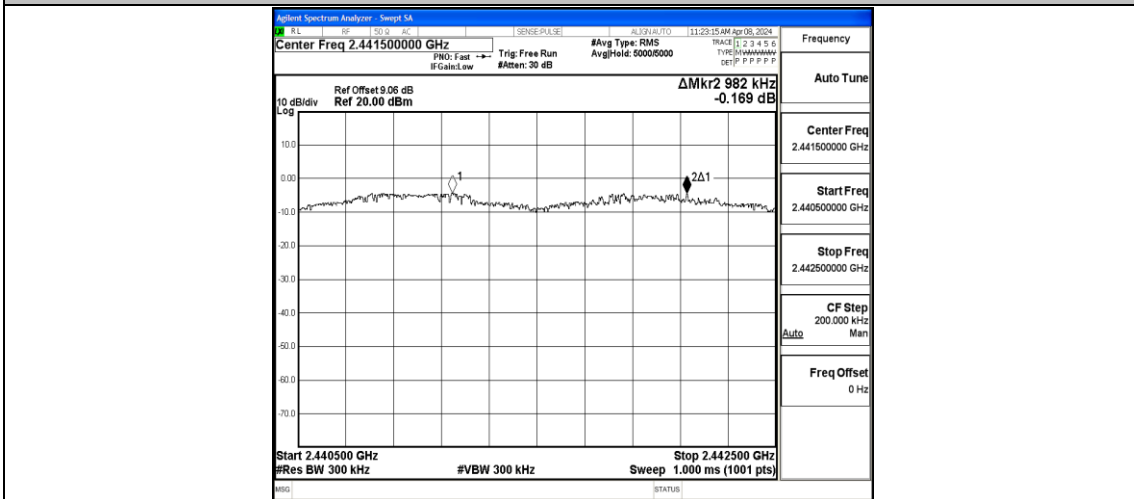
### Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



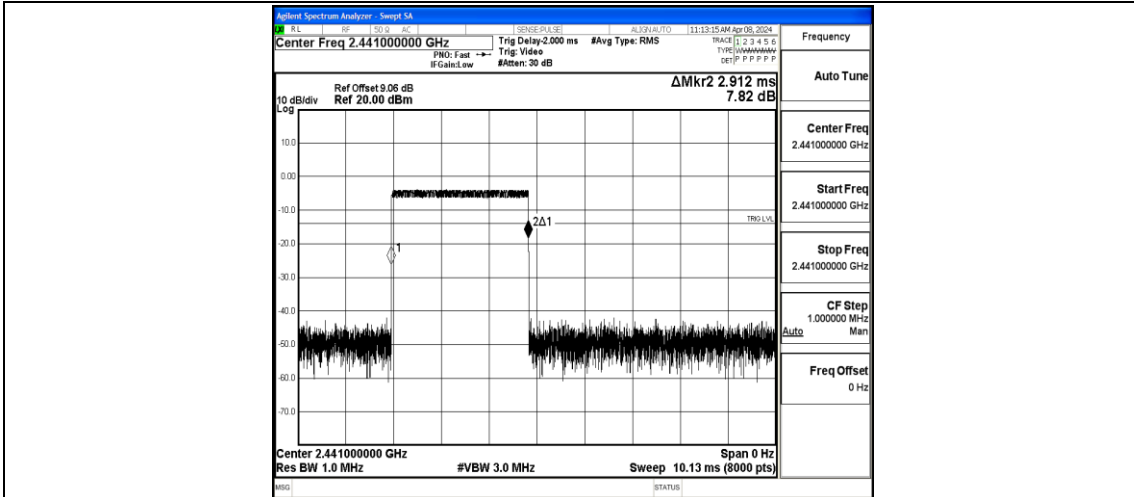
3DH5-Ant1-Hop-PASS

## Appendix E: Time of occupancy

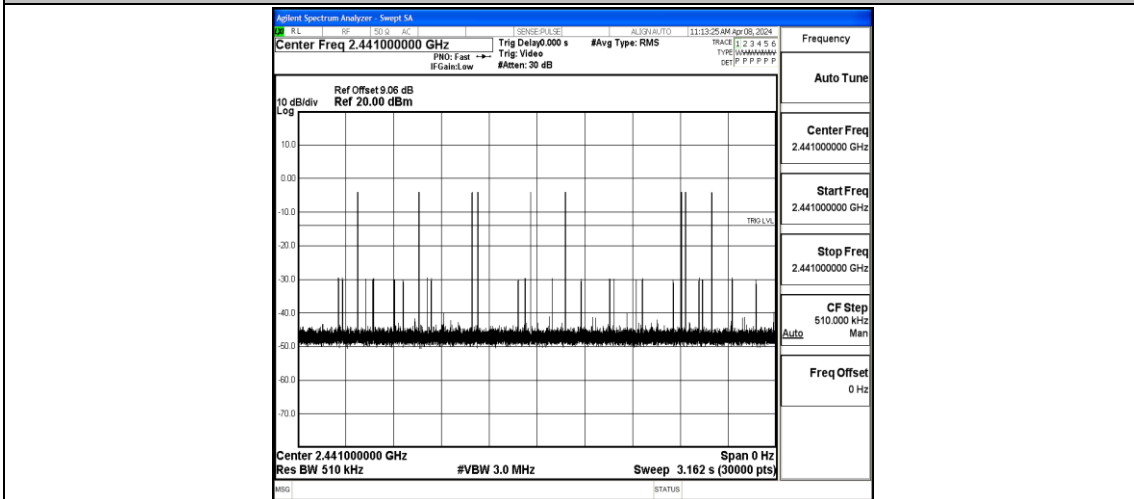
### Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.912	100	0.291	≤0.4	PASS
2DH5	Ant1	Hop	2.917	120	0.35	≤0.4	PASS
3DH5	Ant1	Hop	2.921	120	0.351	≤0.4	PASS

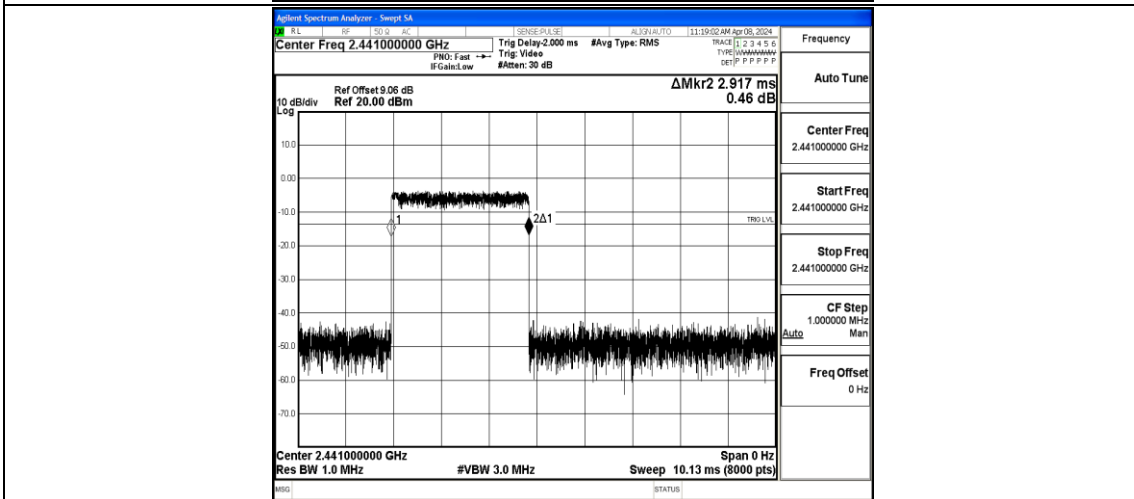
### Test Graphs



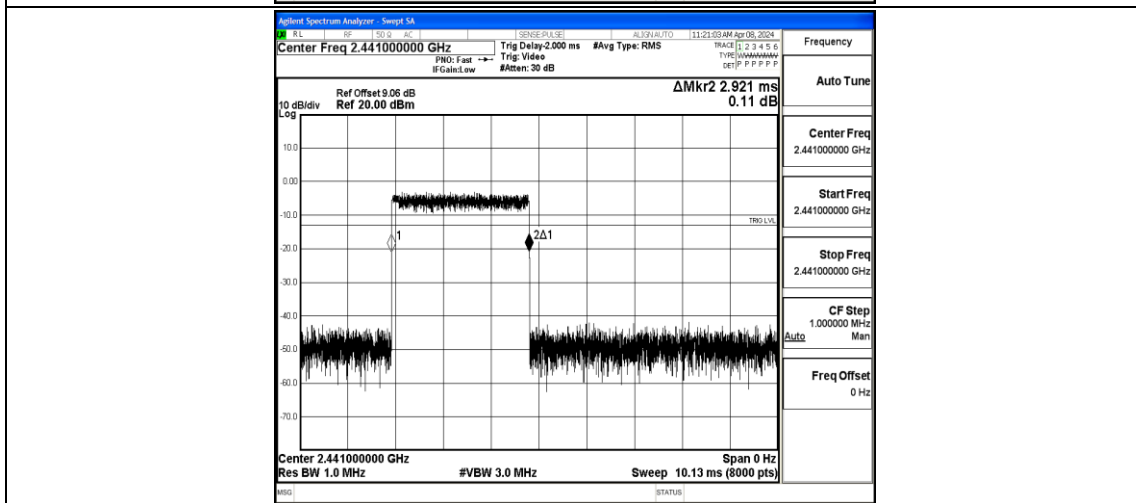
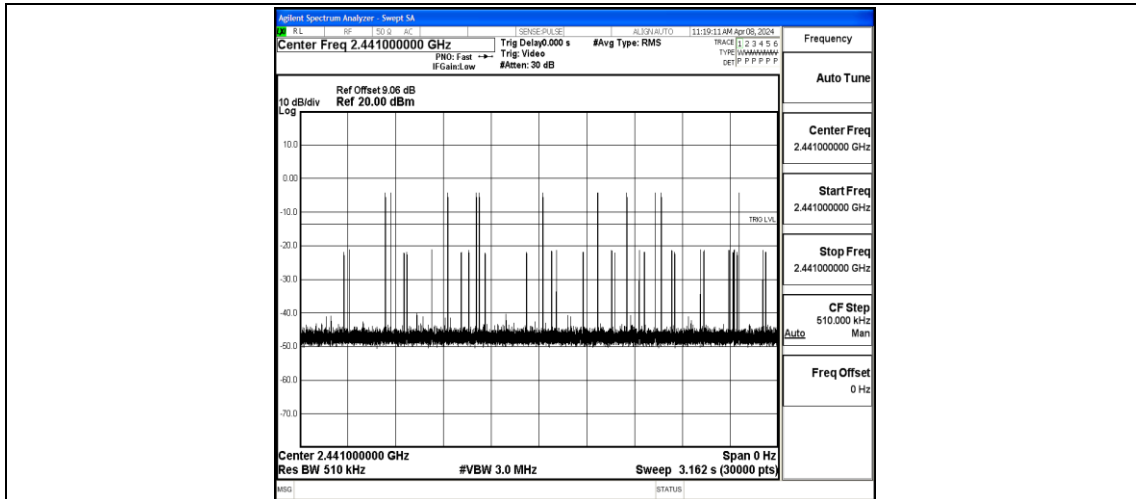
DH5-Ant1-Hop-PASS



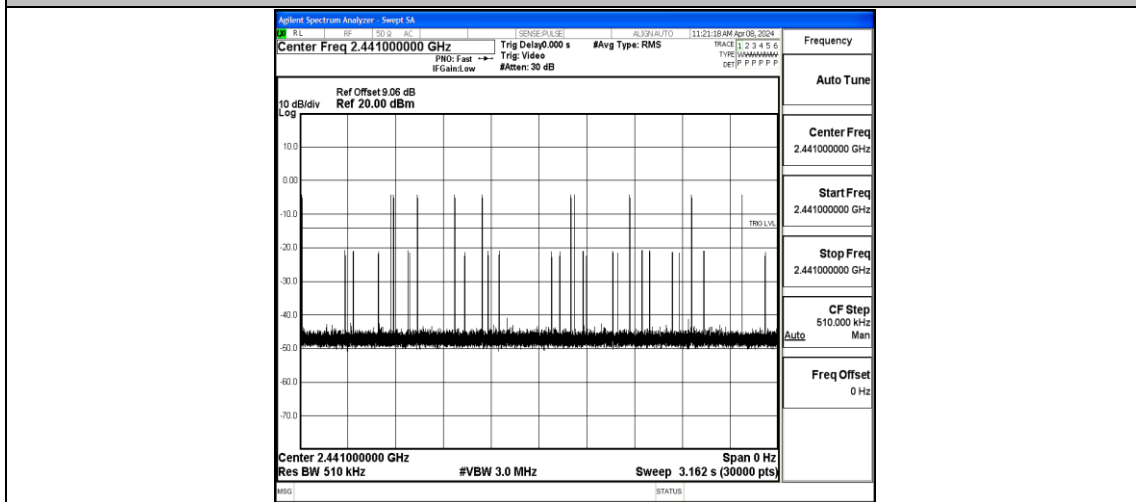
2DH5-Ant1-Hop-PASS







3DH5-Ant1-Hop-PASS

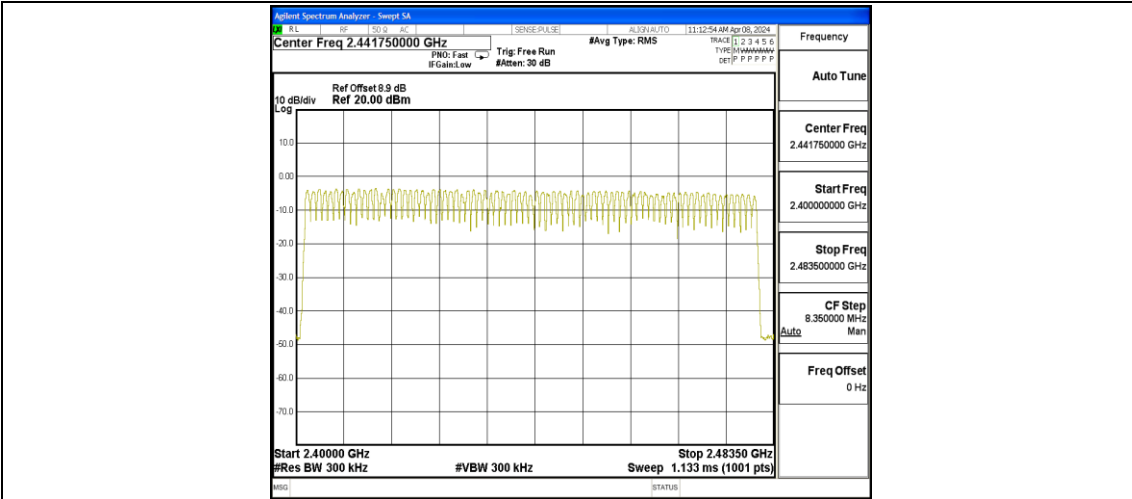


## Appendix F: Number of hopping channels

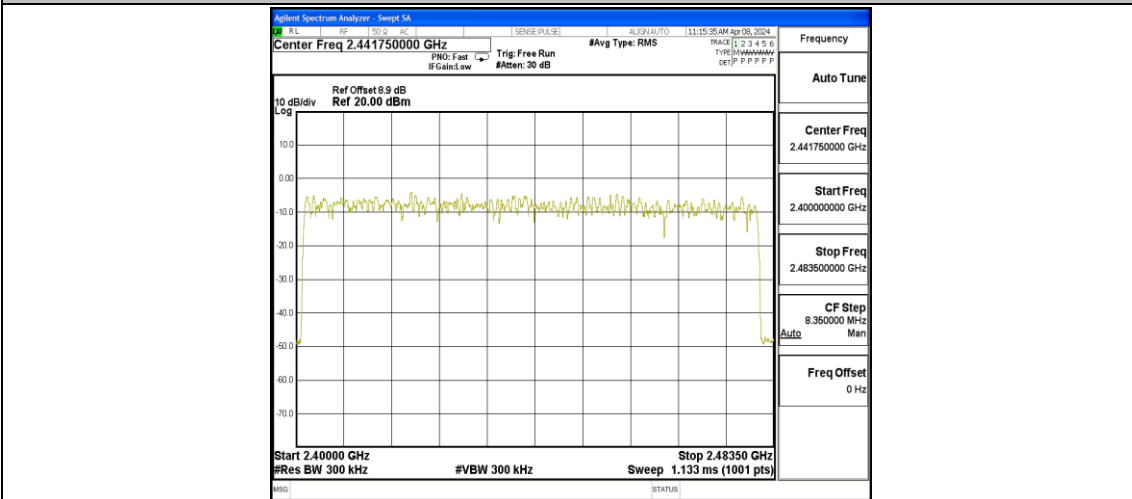
### Test Result

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

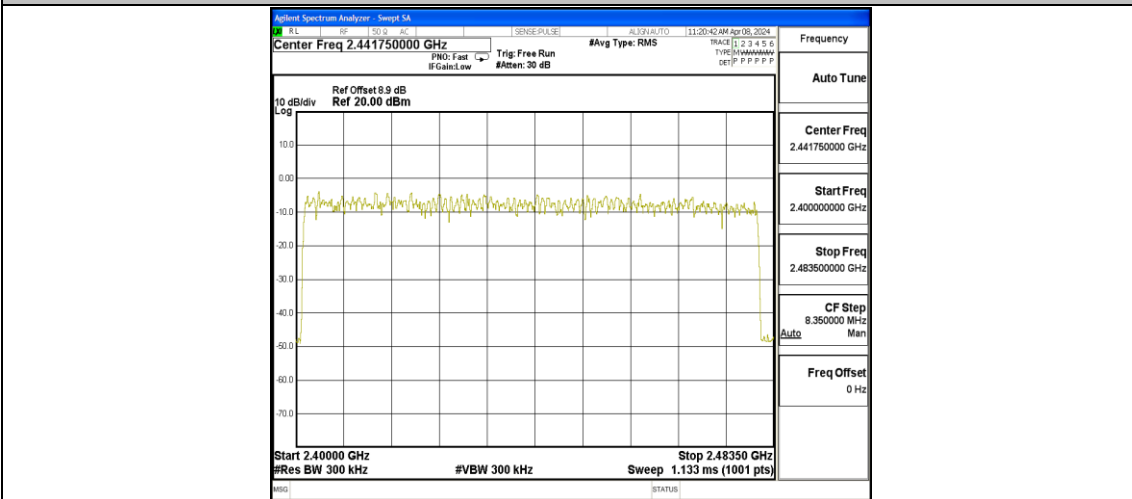
### Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



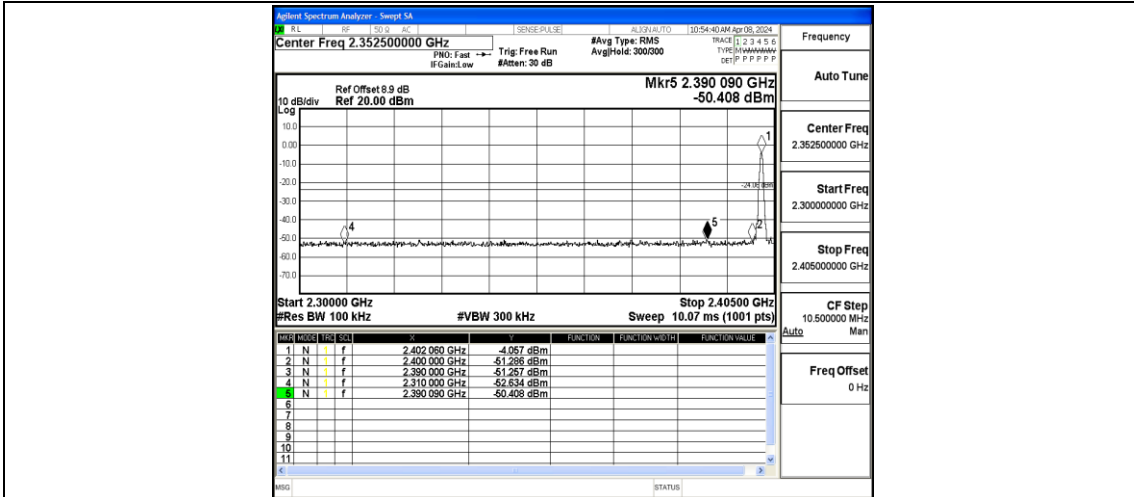
3DH5-Ant1-Hop-PASS

## Appendix G: Band edge measurements

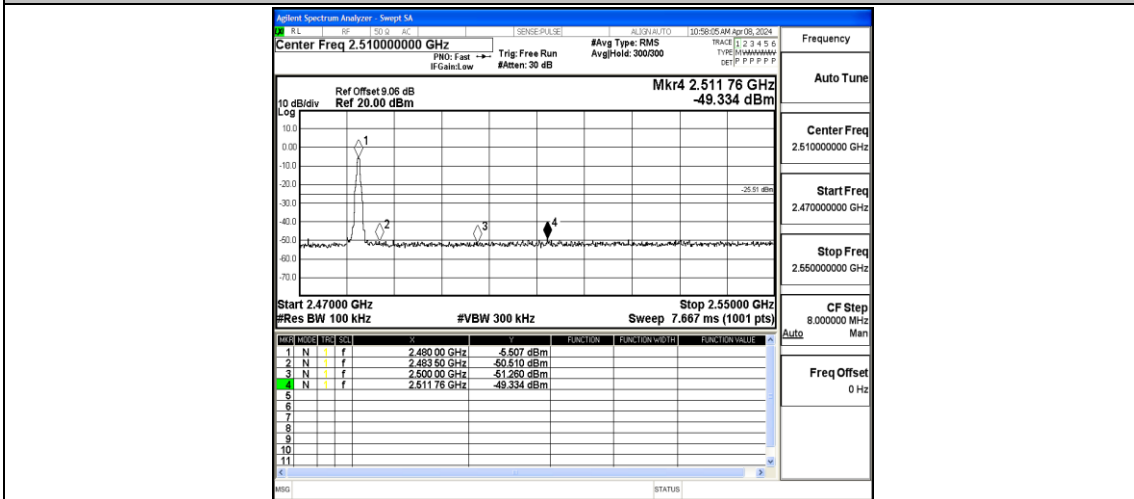
### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.06	-50.41	≤-24.06	PASS
DH5	Ant1	High	2480	-5.51	-49.33	≤-25.51	PASS
DH5	Ant1	Low	Hop_2402	-4.40	-50.62	≤-24.4	PASS
DH5	Ant1	High	Hop_2480	-6.08	-48.97	≤-26.08	PASS
2DH5	Ant1	Low	2402	-4.86	-50.58	≤-24.86	PASS
2DH5	Ant1	High	2480	-6.26	-48.81	≤-26.26	PASS
2DH5	Ant1	Low	Hop_2402	-4.98	-50.66	≤-24.98	PASS
2DH5	Ant1	High	Hop_2480	-8.16	-49.59	≤-28.16	PASS
3DH5	Ant1	Low	2402	-4.59	-50.26	≤-24.59	PASS
3DH5	Ant1	High	2480	-6.21	-49.32	≤-26.21	PASS
3DH5	Ant1	Low	Hop_2402	-8.89	-50.51	≤-28.89	PASS
3DH5	Ant1	High	Hop_2480	-6.10	-48.95	≤-26.1	PASS

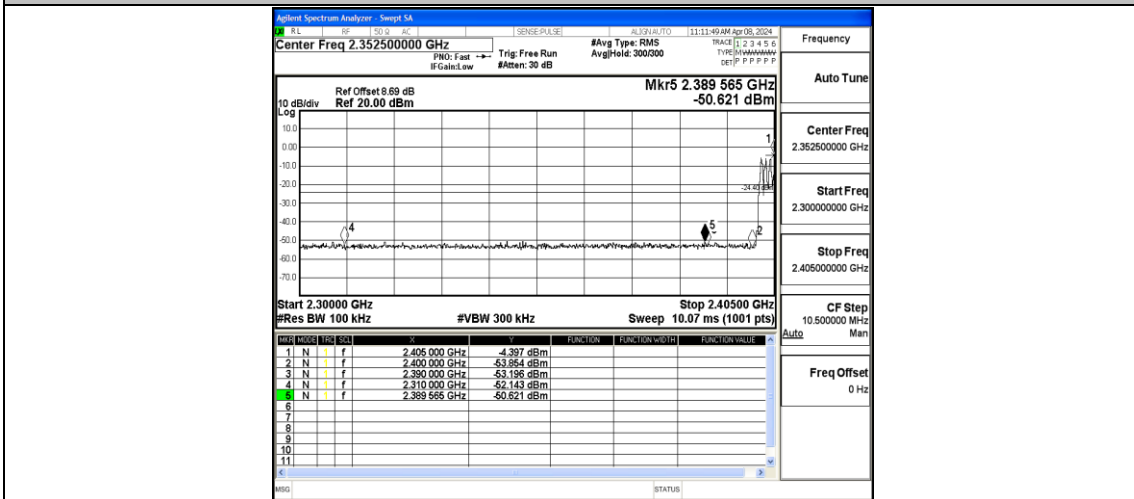
### Test Graphs



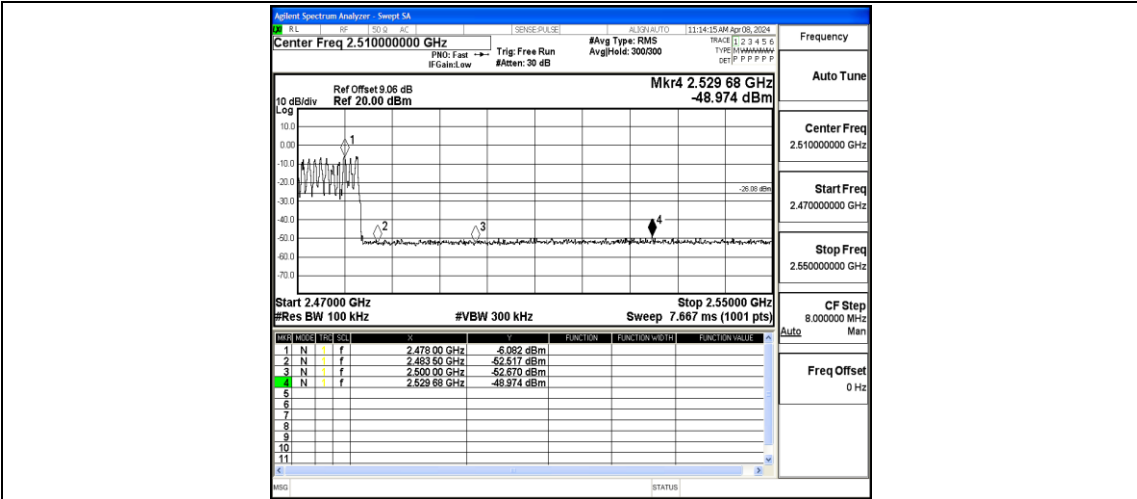
DH5-Ant1-2402-PASS



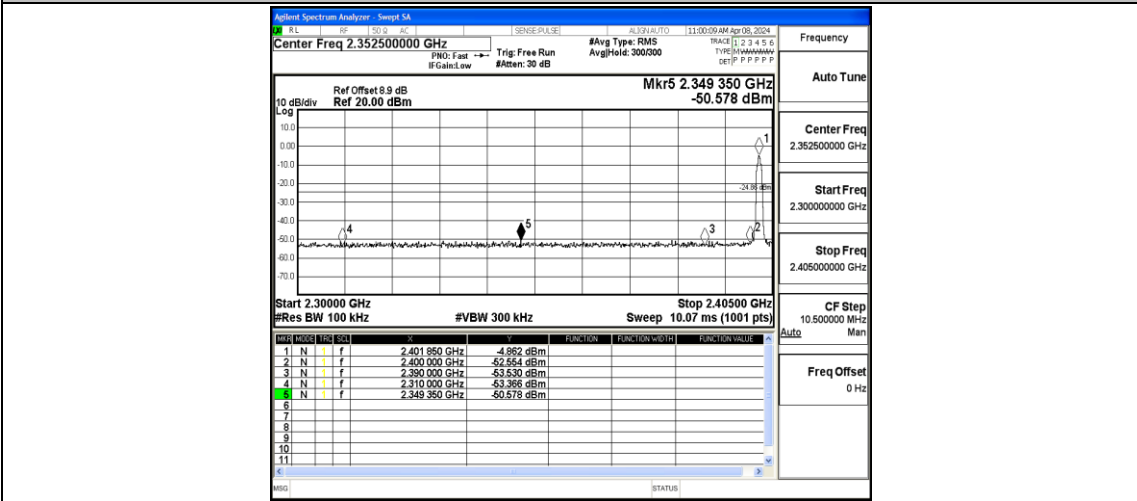
DH5-Ant1-2480-PASS



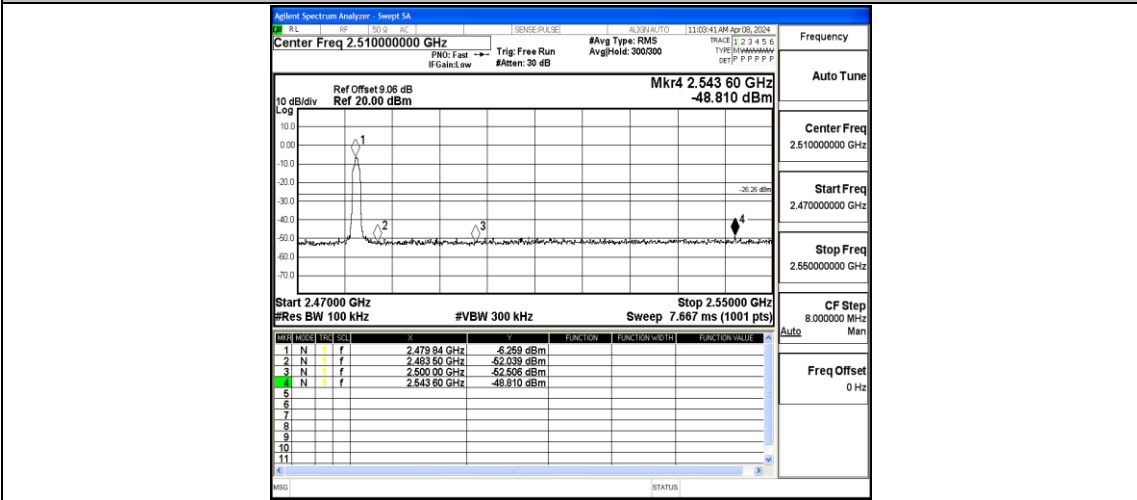
DH5-Ant1-Hop\_2402-PASS



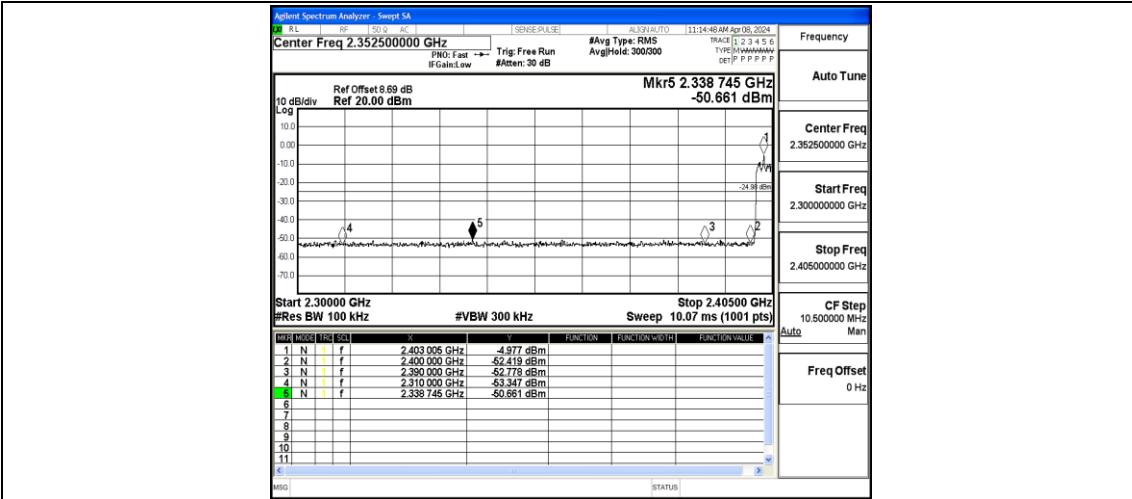
DH5-Ant1-Hop\_2480-PASS



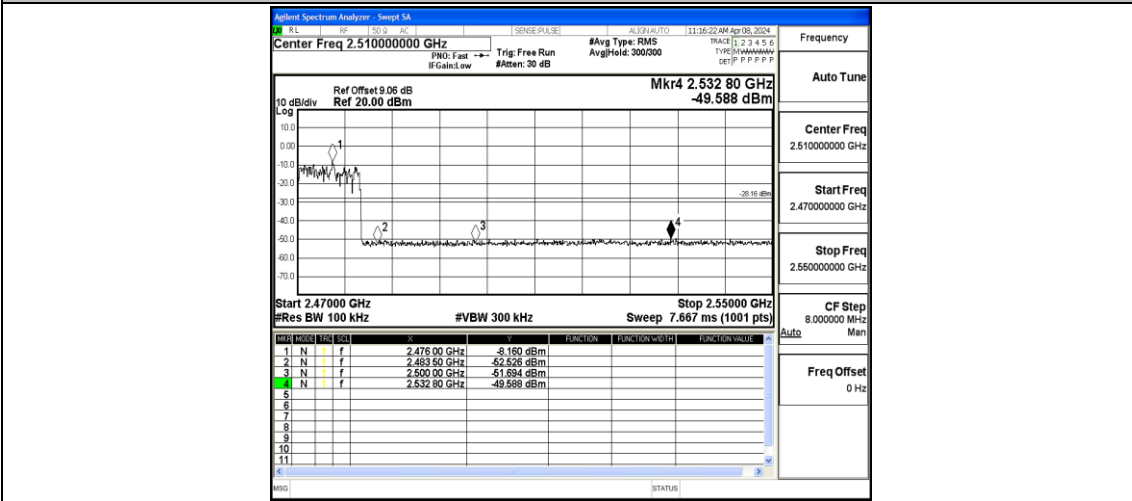
2DH5-Ant1-2402-PASS



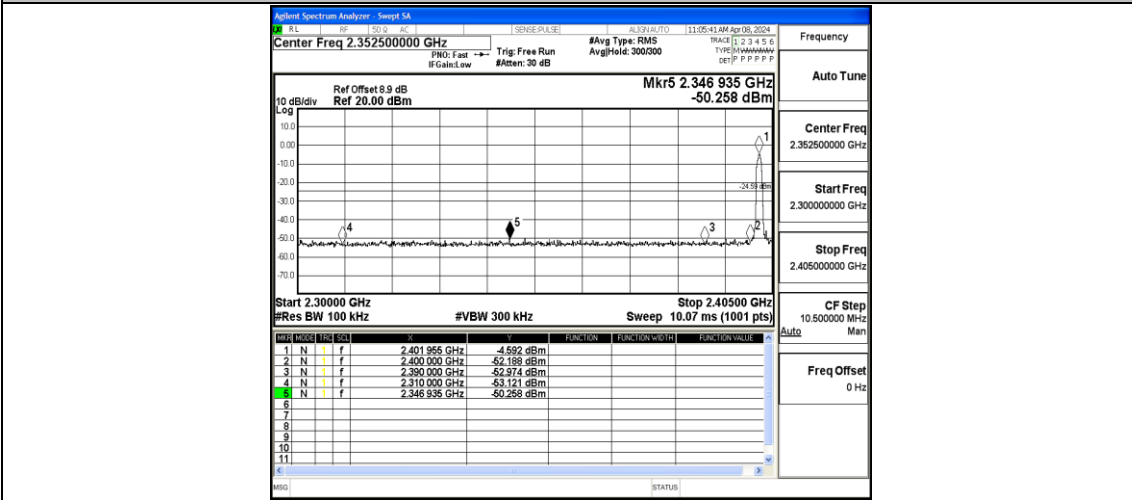
2DH5-Ant1-2480-PASS



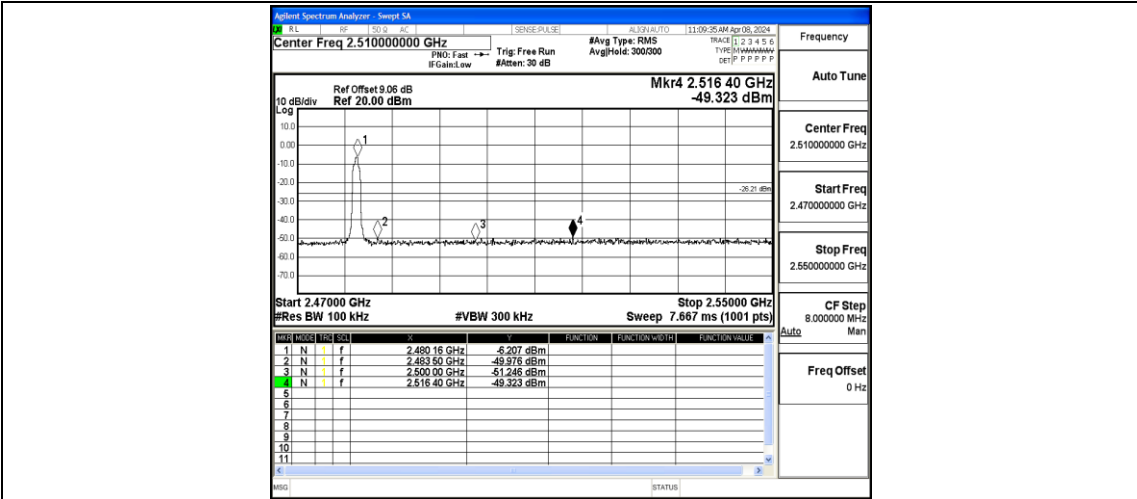
2DH5-Ant1-Hop\_2402-PASS



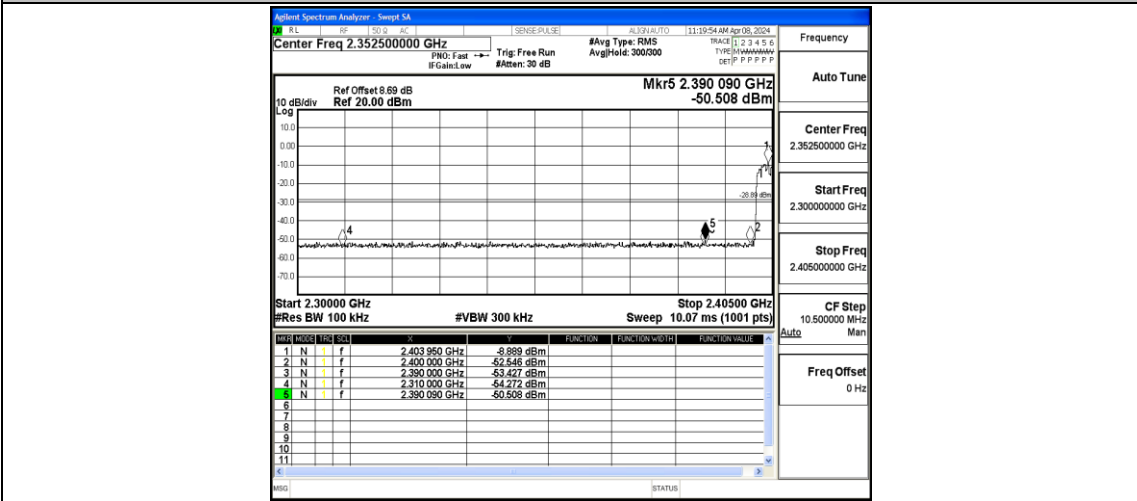
2DH5-Ant1-Hop\_2480-PASS



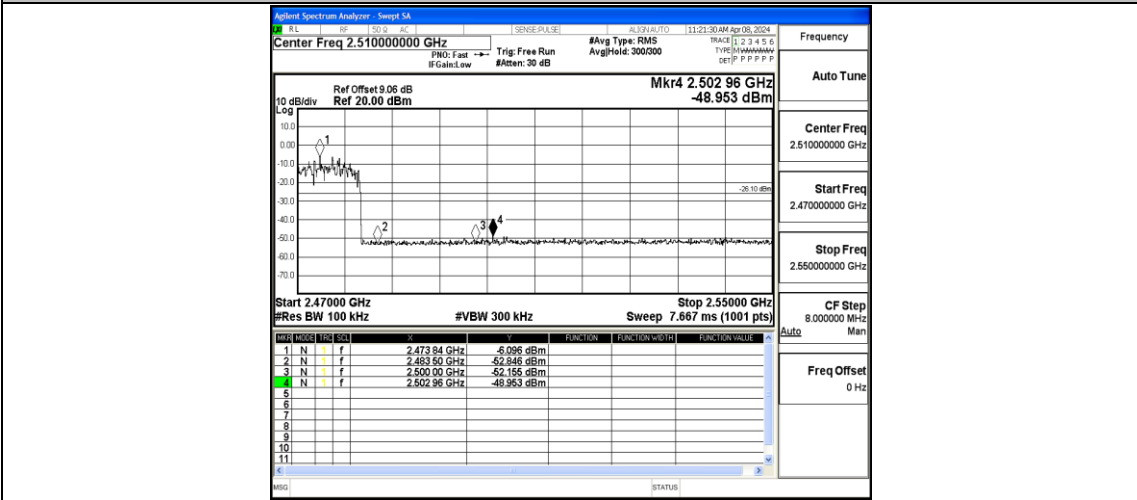
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop\_2402-PASS



3DH5-Ant1-Hop\_2480-PASS

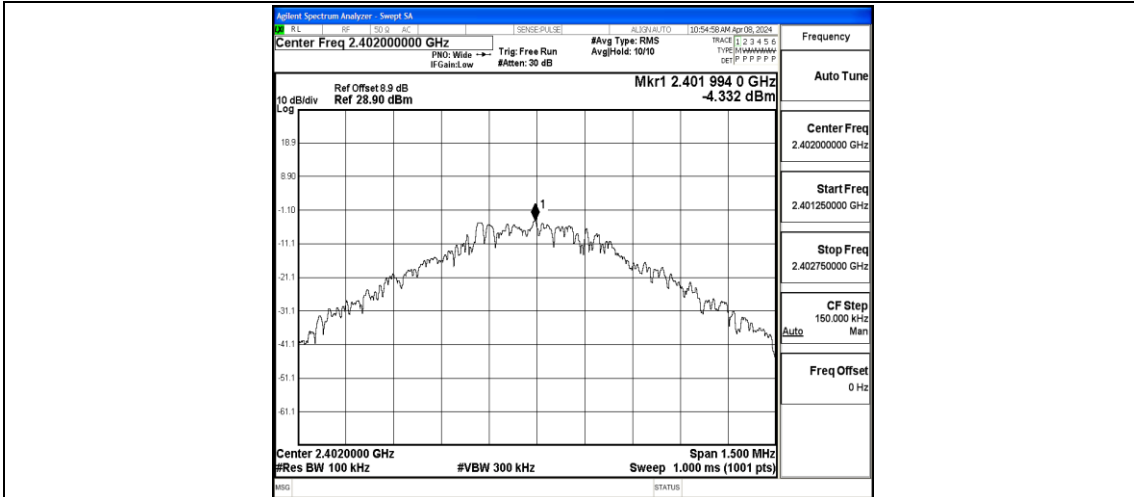


## Appendix H: Conducted Spurious Emission

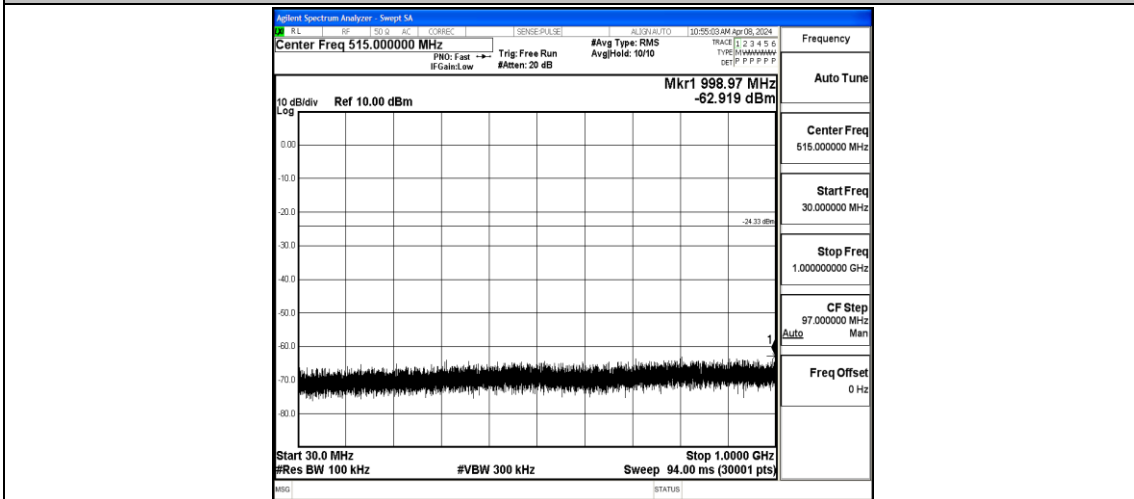
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.33	-4.33	---	PASS
DH5	Ant1	2402	30~1000	-4.33	-62.92	≤-24.33	PASS
DH5	Ant1	2402	1000~26500	-4.33	-38.44	≤-24.33	PASS
DH5	Ant1	2441	0~Reference	-4.75	-4.75	---	PASS
DH5	Ant1	2441	30~1000	-4.75	-62.66	≤-24.75	PASS
DH5	Ant1	2441	1000~26500	-4.75	-39.71	≤-24.75	PASS
DH5	Ant1	2480	0~Reference	-6.55	-6.55	---	PASS
DH5	Ant1	2480	30~1000	-6.55	-62.39	≤-26.55	PASS
DH5	Ant1	2480	1000~26500	-6.55	-41.07	≤-26.55	PASS
2DH5	Ant1	2402	0~Reference	-6.95	-6.95	---	PASS
2DH5	Ant1	2402	30~1000	-6.95	-62.27	≤-26.95	PASS
2DH5	Ant1	2402	1000~26500	-6.95	-44.2	≤-26.95	PASS
2DH5	Ant1	2441	0~Reference	-8.33	-8.33	---	PASS
2DH5	Ant1	2441	30~1000	-8.33	-62.98	≤-28.33	PASS
2DH5	Ant1	2441	1000~26500	-8.33	-41.69	≤-28.33	PASS
2DH5	Ant1	2480	0~Reference	-9.61	-9.61	---	PASS
2DH5	Ant1	2480	30~1000	-9.61	-61.91	≤-29.61	PASS
2DH5	Ant1	2480	1000~26500	-9.61	-41.17	≤-29.61	PASS
3DH5	Ant1	2402	0~Reference	-5.84	-5.84	---	PASS
3DH5	Ant1	2402	30~1000	-5.84	-62.97	≤-25.84	PASS
3DH5	Ant1	2402	1000~26500	-5.84	-44.79	≤-25.84	PASS
3DH5	Ant1	2441	0~Reference	-7.01	-7.01	---	PASS
3DH5	Ant1	2441	30~1000	-7.01	-62.73	≤-27.01	PASS
3DH5	Ant1	2441	1000~26500	-7.01	-42.75	≤-27.01	PASS
3DH5	Ant1	2480	0~Reference	-9.36	-9.36	---	PASS
3DH5	Ant1	2480	30~1000	-9.36	-61.49	≤-29.36	PASS
3DH5	Ant1	2480	1000~26500	-9.36	-41.24	≤-29.36	PASS

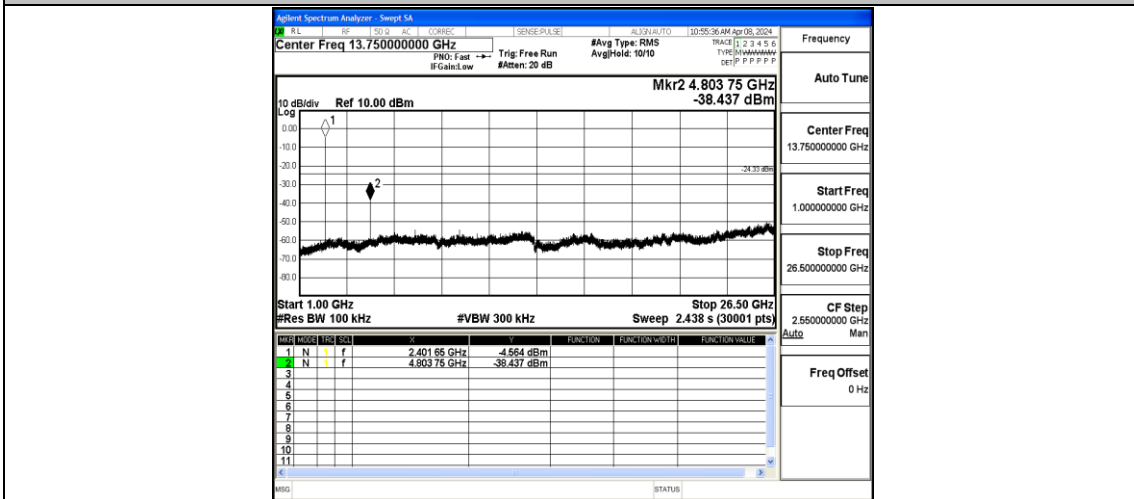
### Test Graphs



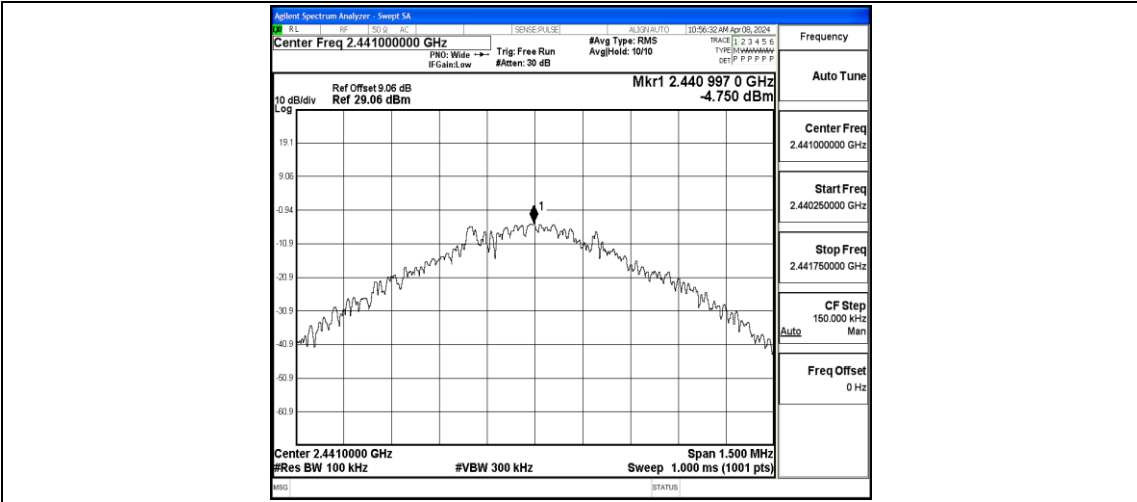
DH5-Ant1-2402-0~Reference-PASS



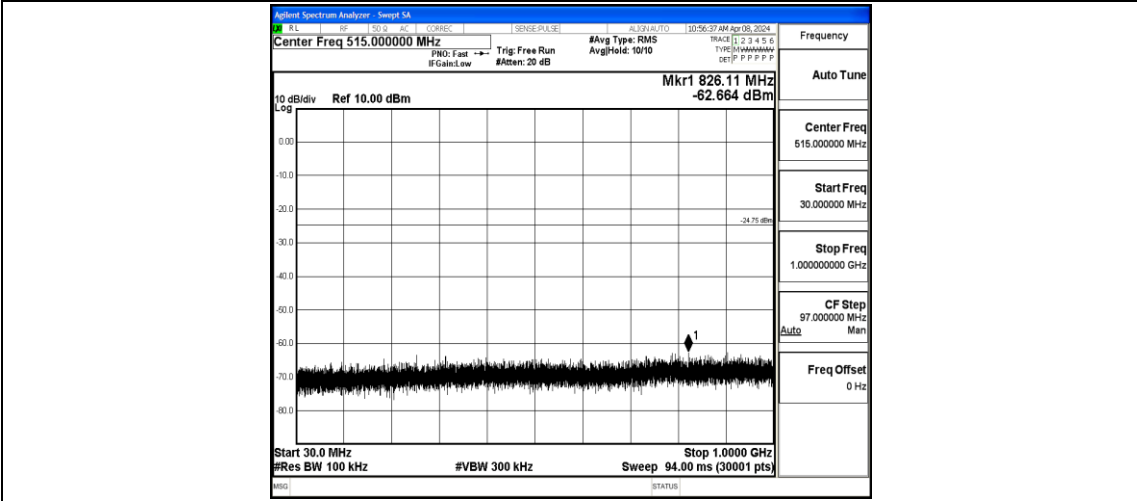
DH5-Ant1-2402-30~1000-PASS



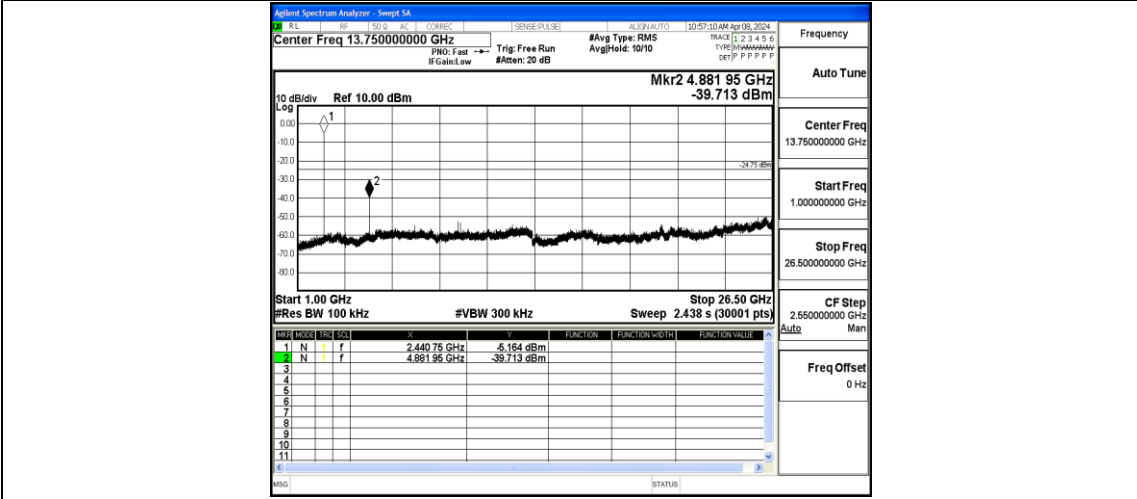
DH5-Ant1-2402-1000~26500-PASS



DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS



DH5-Ant1-2441-1000~26500-PASS