

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

Product Name: Wireless Microphone

Trade Mark: singing machine

Test Model: MIC294

FCC ID: 2AAXO-MIC294B

### Environmental Conditions

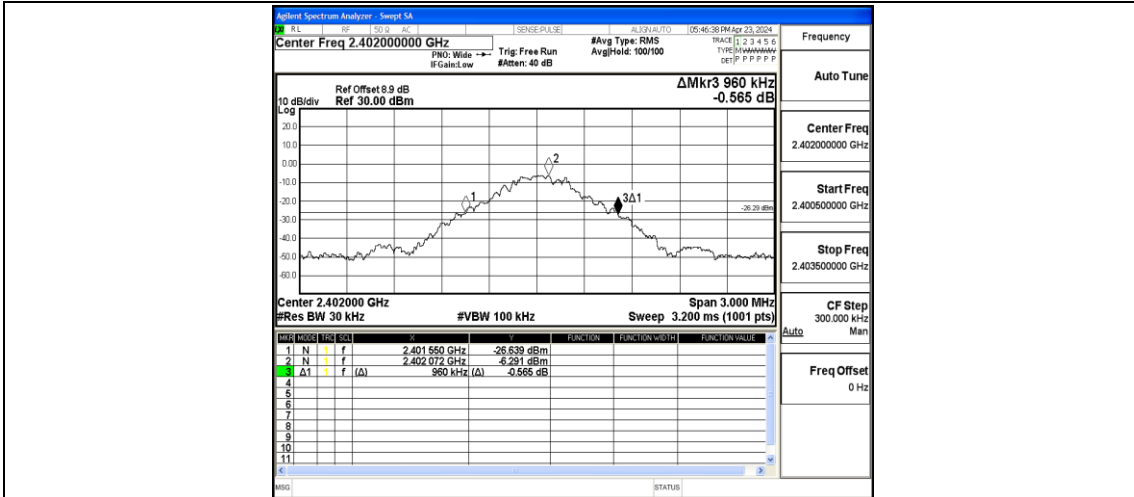
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

## Appendix A: 20dB Emission Bandwidth

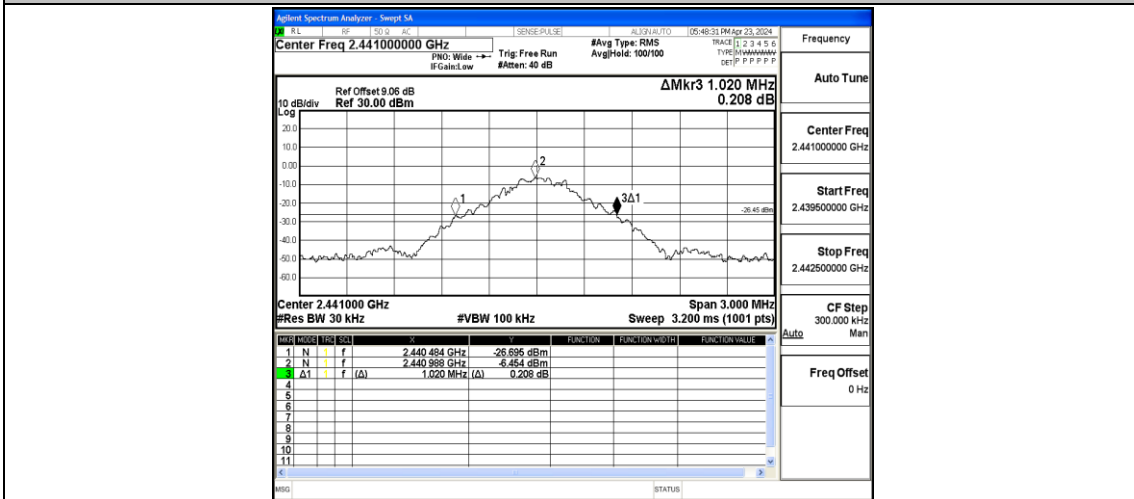
### Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.550	2402.510	---	---
DH5	Ant1	2441	1.020	2440.484	2441.504	---	---
DH5	Ant1	2480	0.969	2479.544	2480.513	---	---
2DH5	Ant1	2402	1.293	2401.379	2402.672	---	---
2DH5	Ant1	2441	1.311	2440.358	2441.669	---	---
2DH5	Ant1	2480	1.281	2479.382	2480.663	---	---
3DH5	Ant1	2402	1.314	2401.361	2402.675	---	---
3DH5	Ant1	2441	1.311	2440.361	2441.672	---	---
3DH5	Ant1	2480	1.299	2479.364	2480.663	---	---

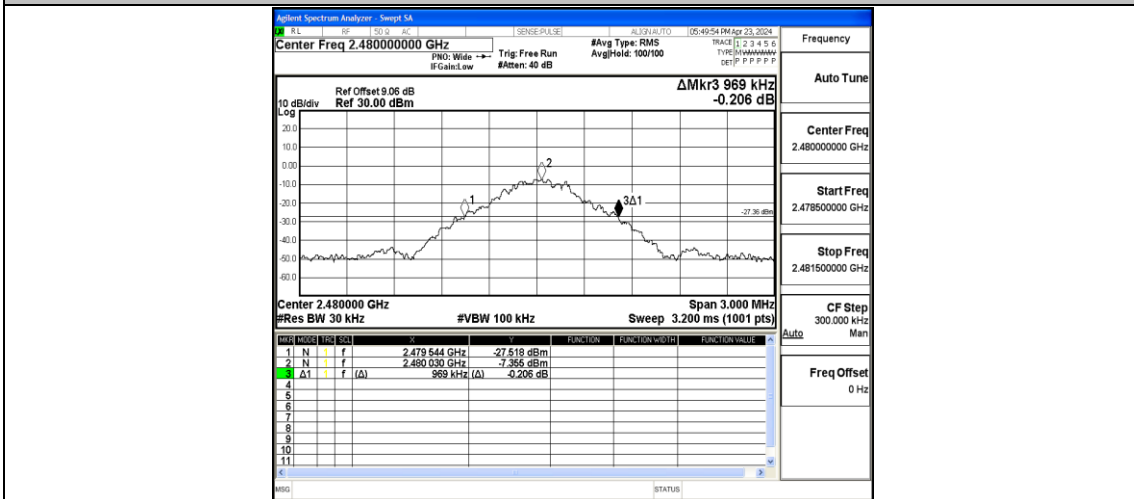
### Test Graphs



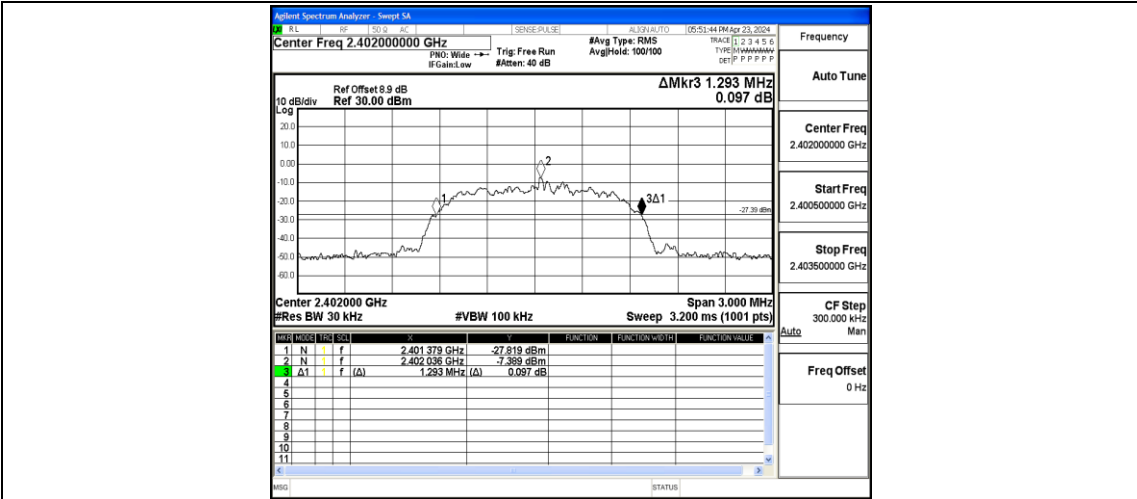
DH5-Ant1-2402



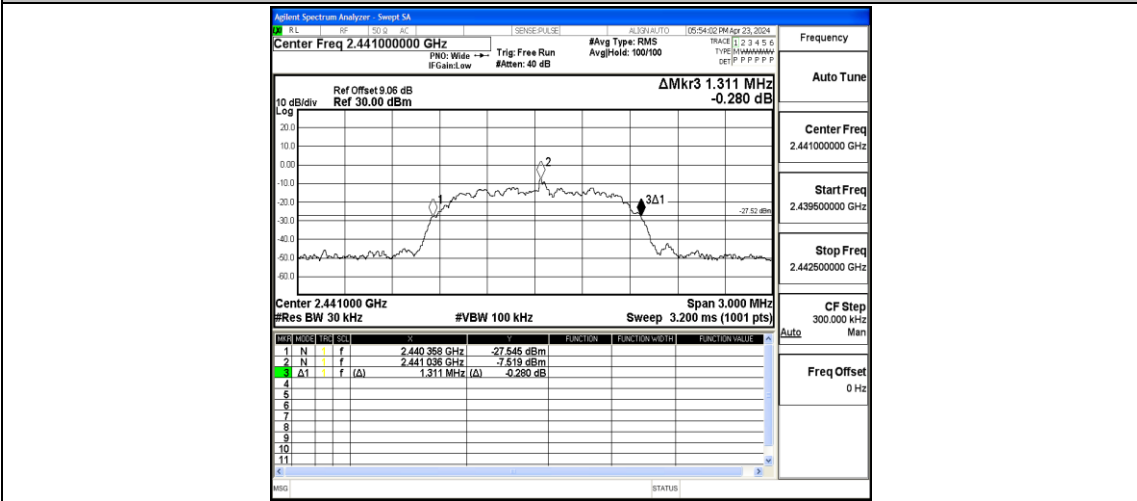
DH5-Ant1-2441



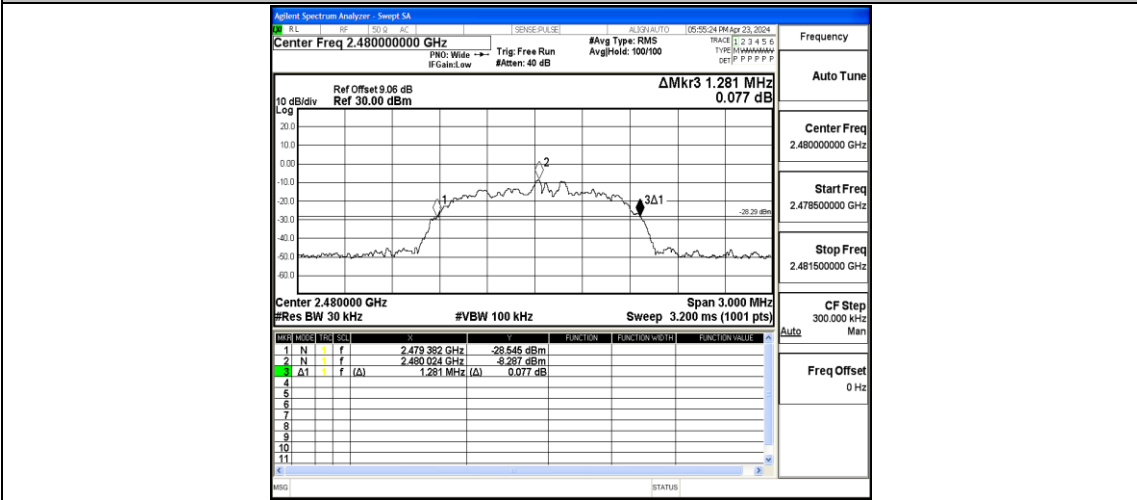
DH5-Ant1-2480



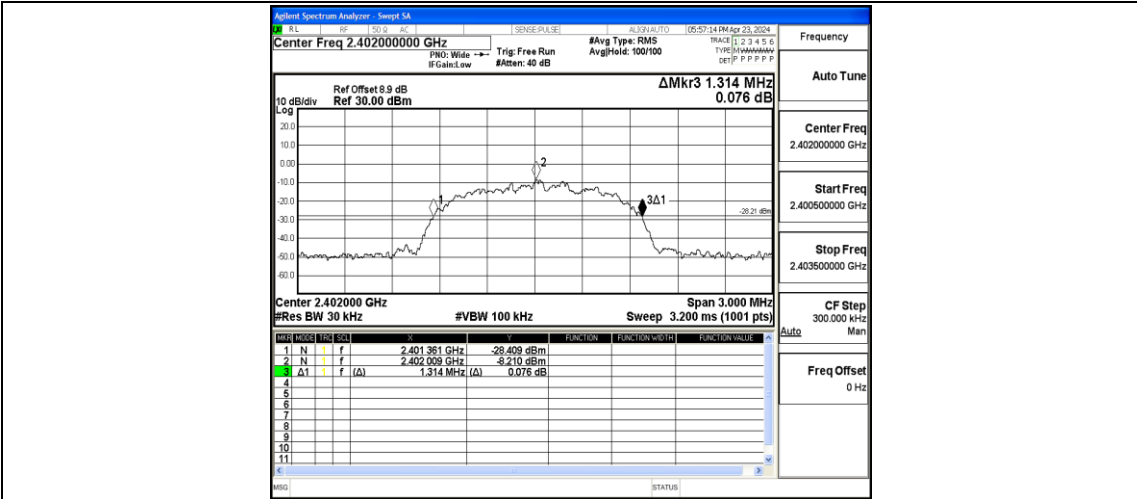
2DH5-Ant1-2402



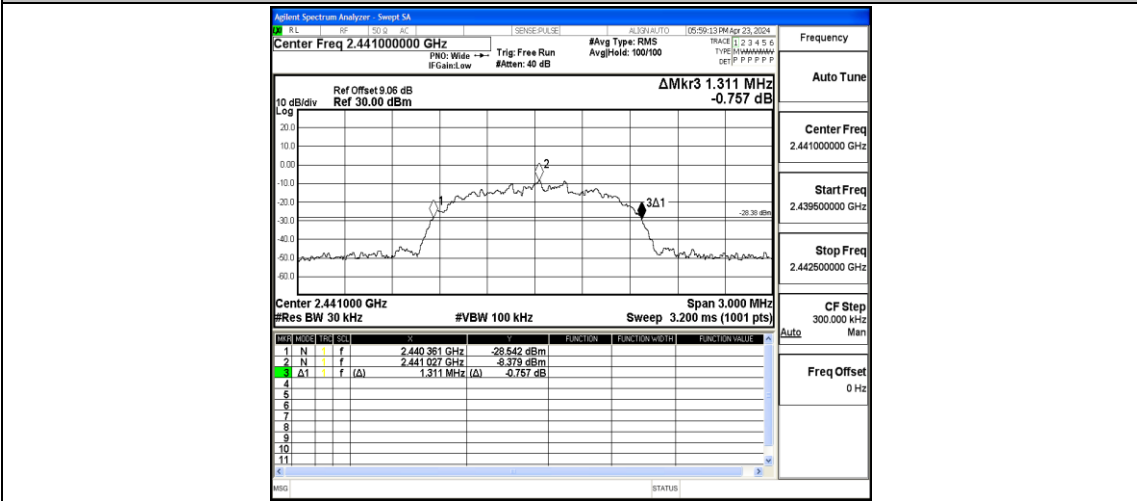
2DH5-Ant1-2441



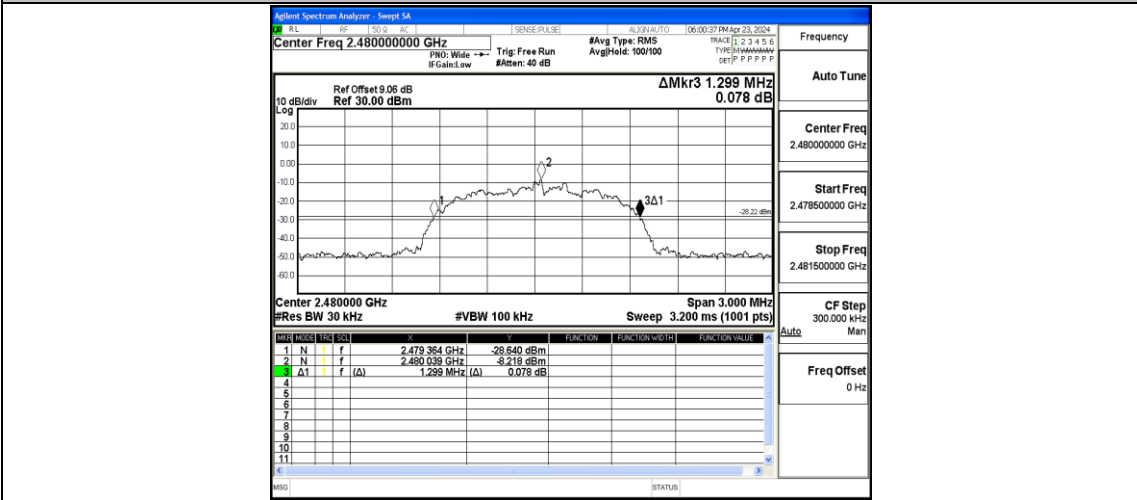
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



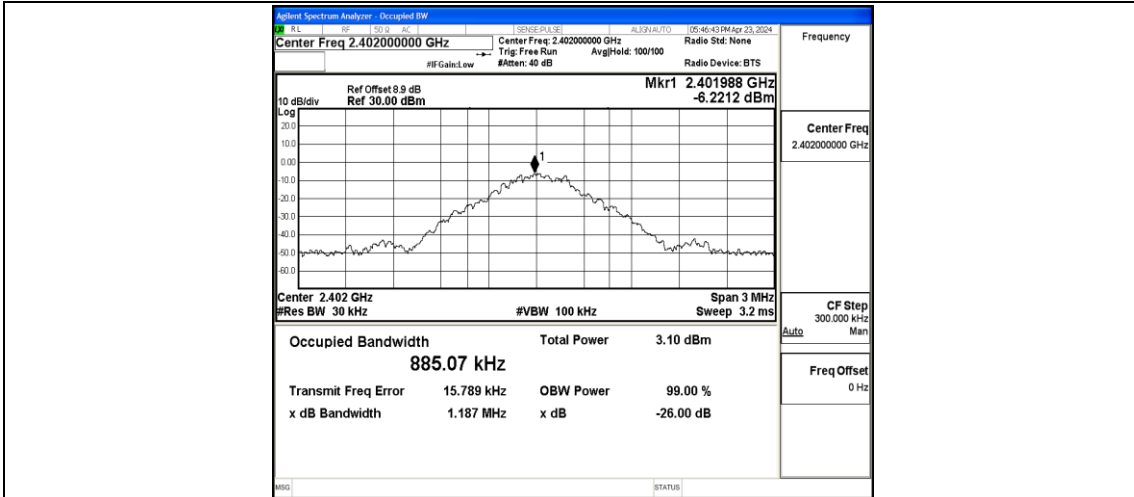
3DH5-Ant1-2480

## Appendix B: Occupied Channel Bandwidth

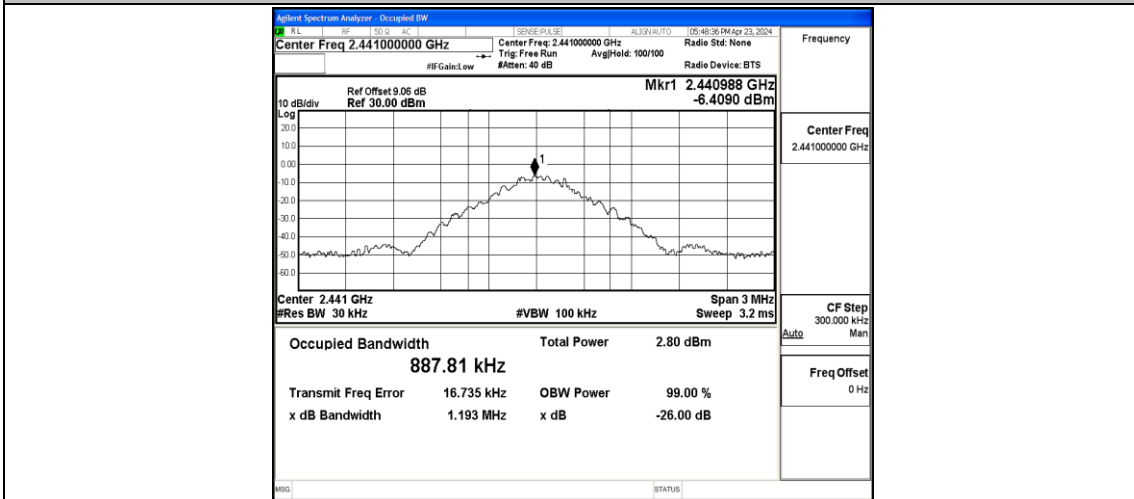
### Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88507	2401.5733	2402.4583	---	---
DH5	Ant1	2441	0.88781	2440.5728	2441.4606	---	---
DH5	Ant1	2480	0.89850	2479.5684	2480.4669	---	---
2DH5	Ant1	2402	1.1885	2401.4193	2402.6078	---	---
2DH5	Ant1	2441	1.1898	2440.4189	2441.6087	---	---
2DH5	Ant1	2480	1.1953	2479.4162	2480.6115	---	---
3DH5	Ant1	2402	1.1824	2401.4218	2402.6042	---	---
3DH5	Ant1	2441	1.1791	2440.4246	2441.6037	---	---
3DH5	Ant1	2480	1.1990	2479.4142	2480.6132	---	---

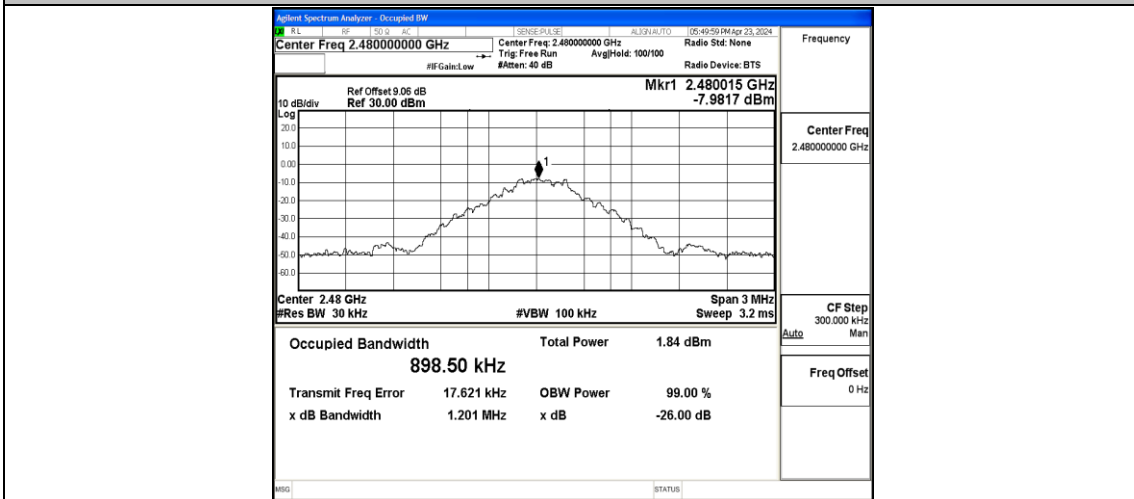
### Test Graphs



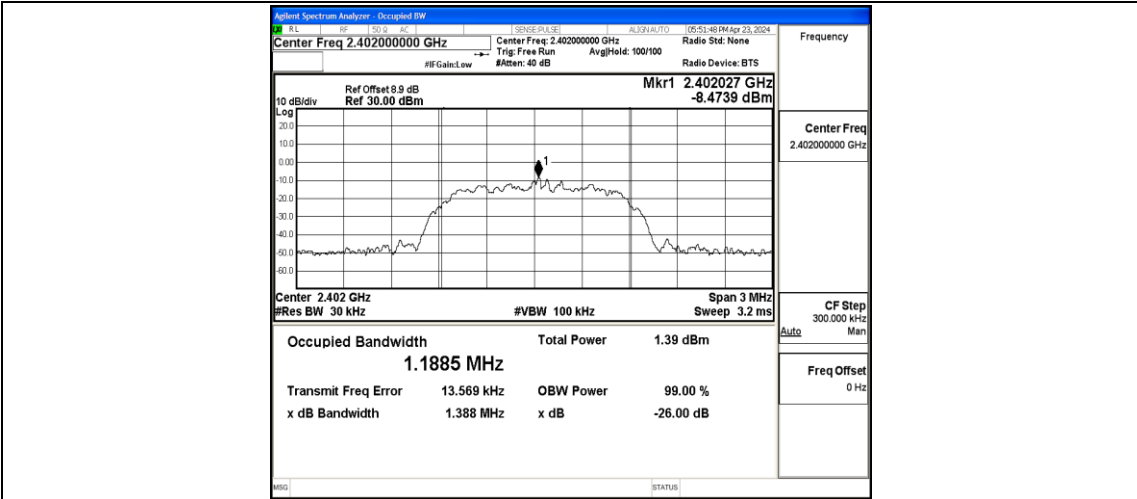
DH5-Ant1-2402



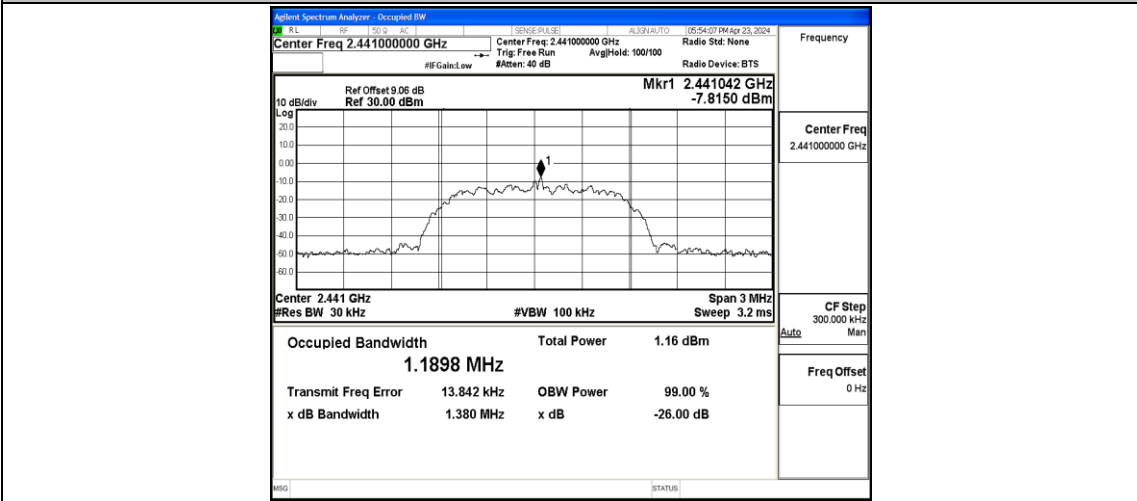
DH5-Ant1-2441



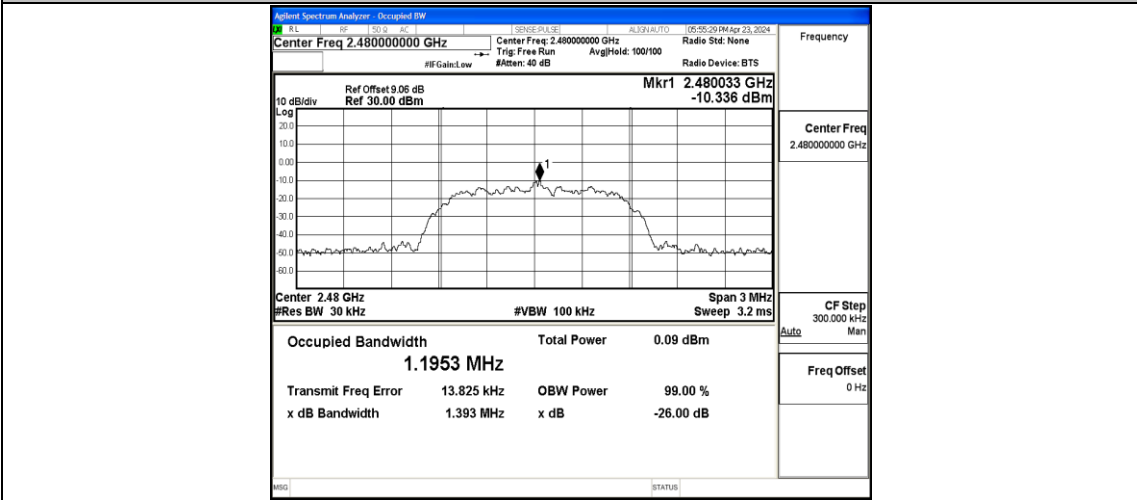
DH5-Ant1-2480



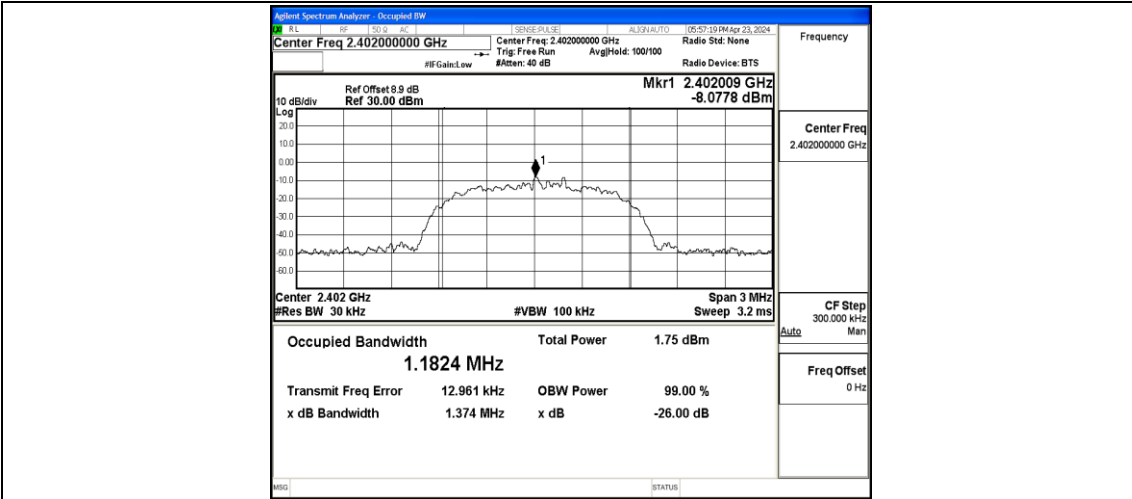
2DH5-Ant1-2402



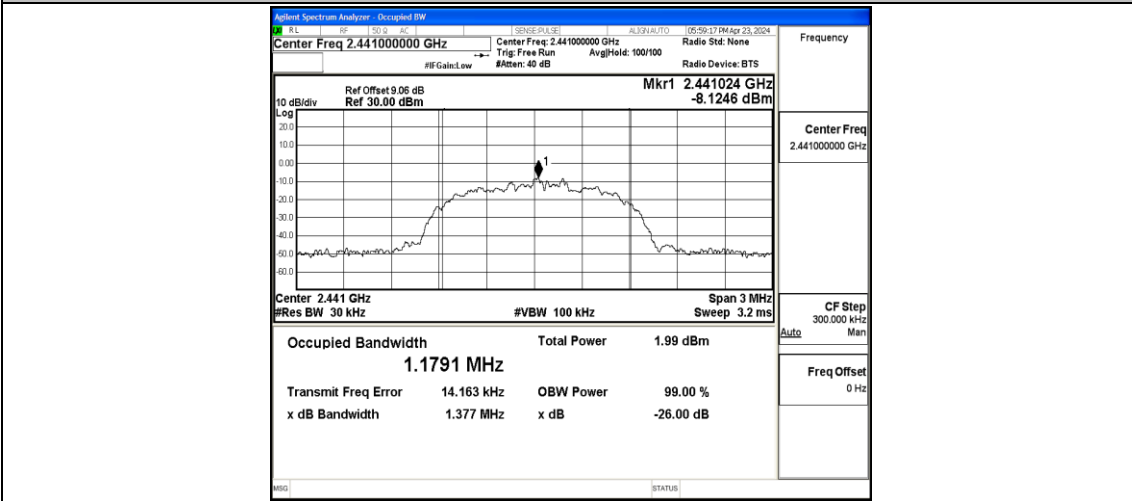
2DH5-Ant1-2441



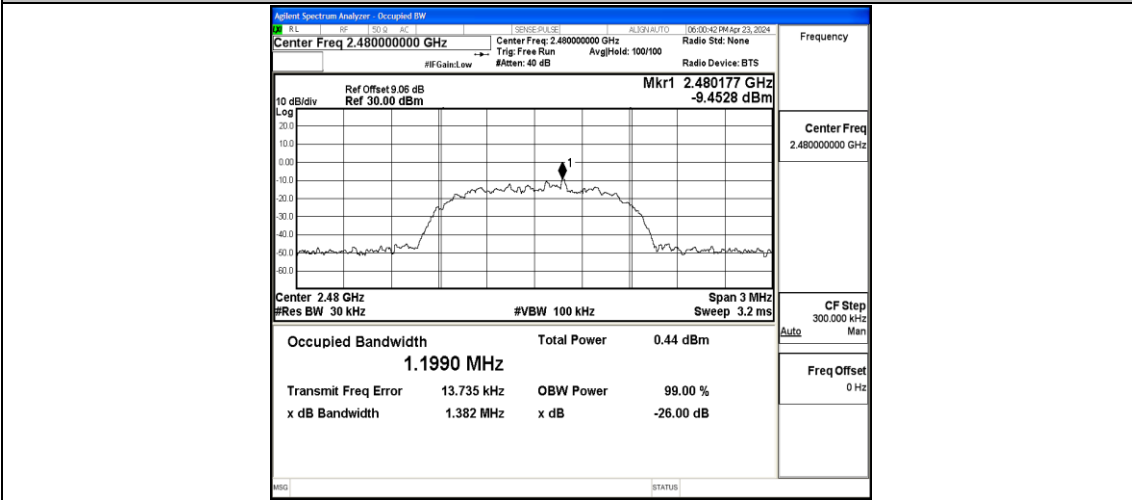
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480

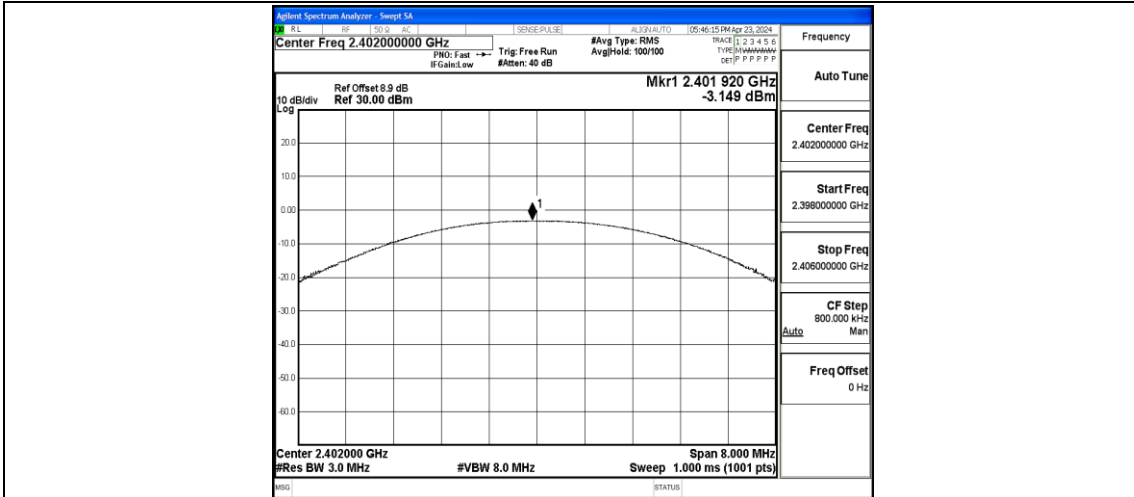


## Appendix C: Maximum peak conducted output power

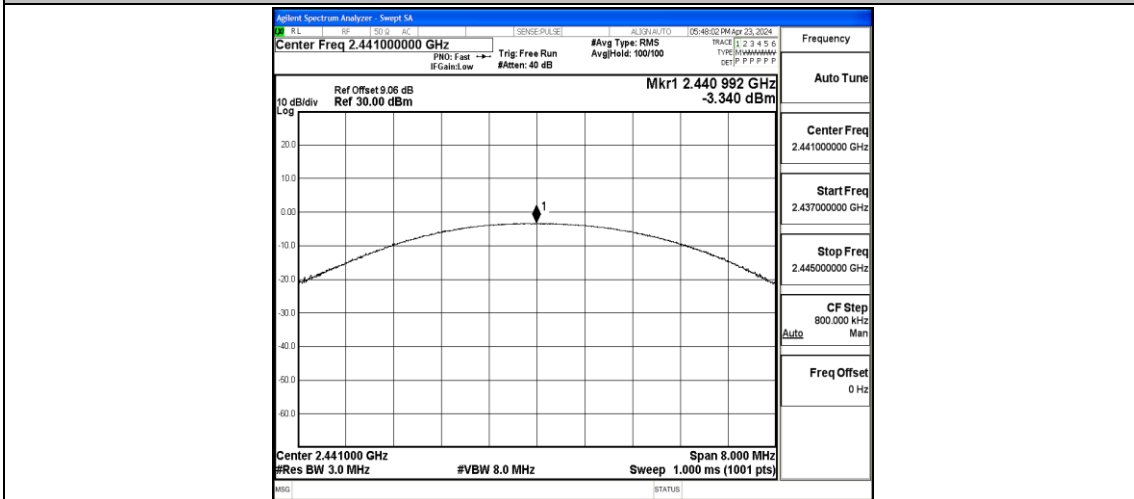
### Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.15	≤30	PASS
DH5	Ant1	2441	-3.34	≤30	PASS
DH5	Ant1	2480	-4.16	≤30	PASS
2DH5	Ant1	2402	-2.89	≤20.97	PASS
2DH5	Ant1	2441	-3.01	≤20.97	PASS
2DH5	Ant1	2480	-3.93	≤20.97	PASS
3DH5	Ant1	2402	-2.37	≤20.97	PASS
3DH5	Ant1	2441	-2.49	≤20.97	PASS
3DH5	Ant1	2480	-3.36	≤20.97	PASS

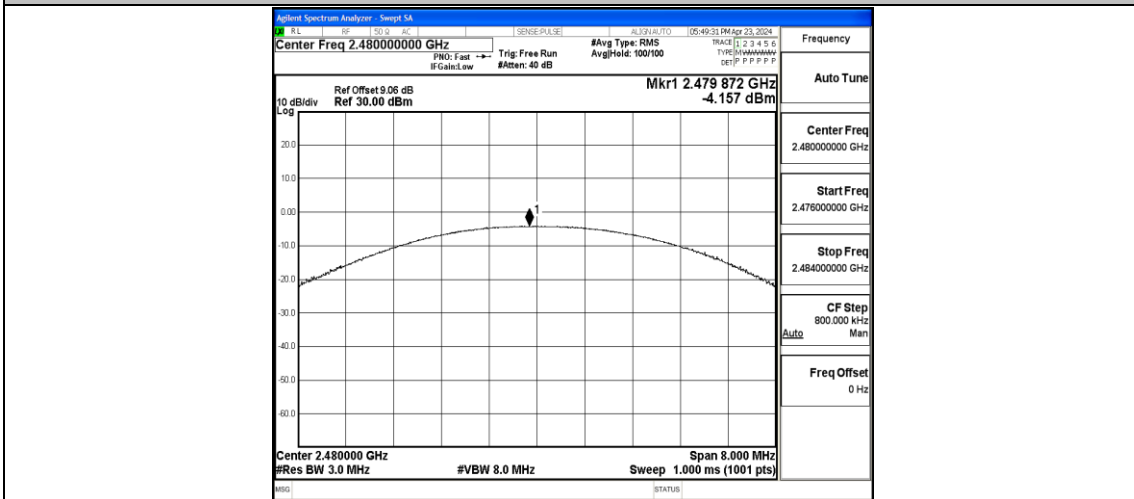
### Test Graphs



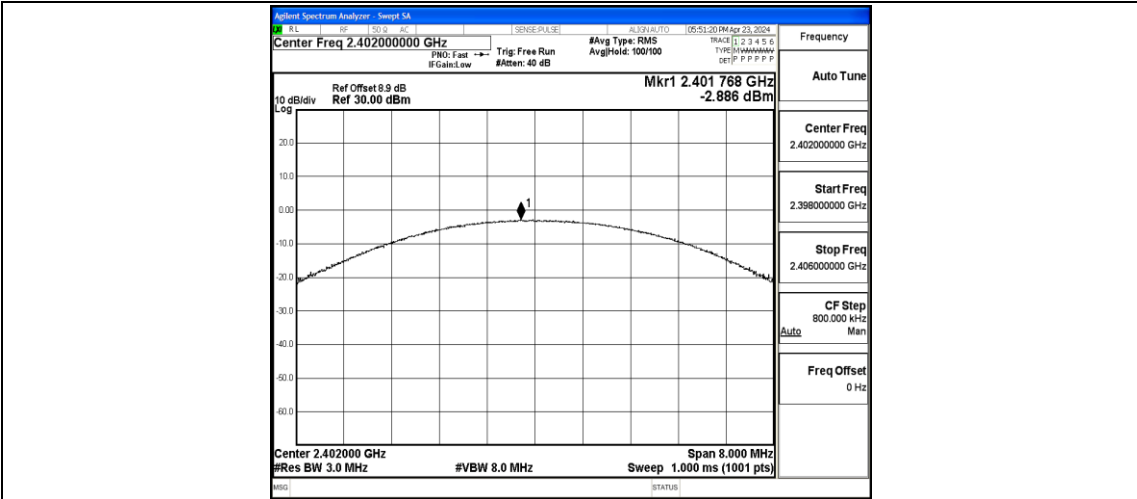
DH5-Ant1-2402-PASS



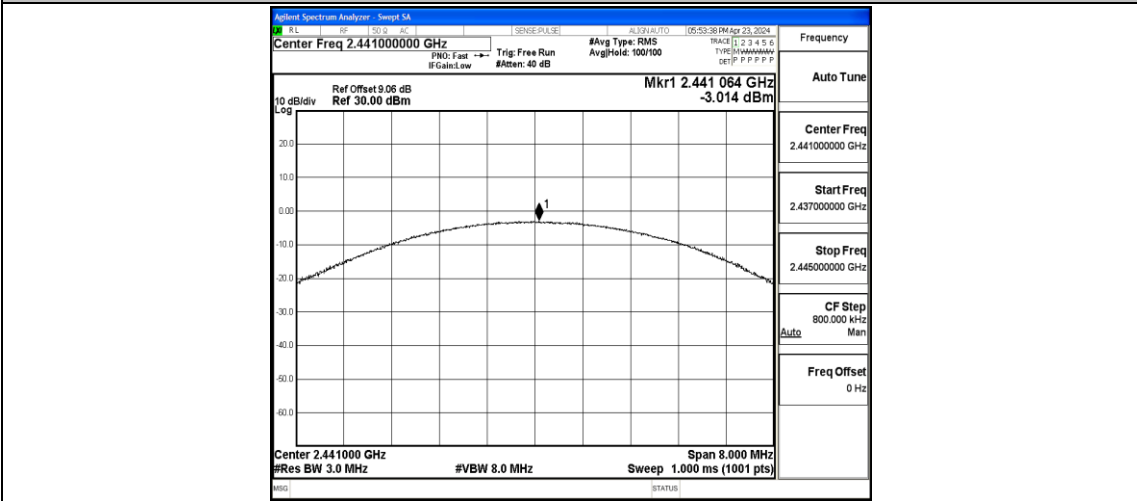
DH5-Ant1-2441-PASS



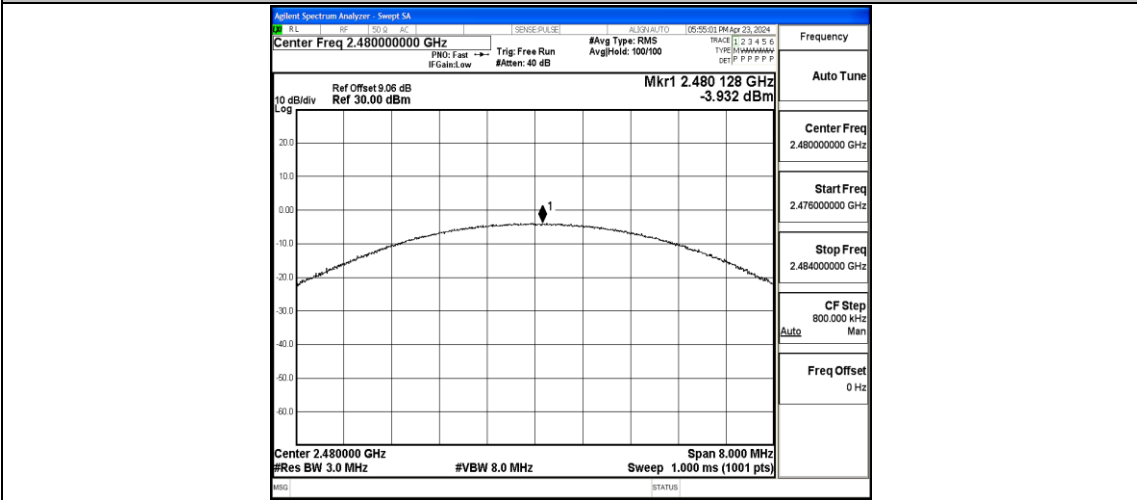
DH5-Ant1-2480-PASS



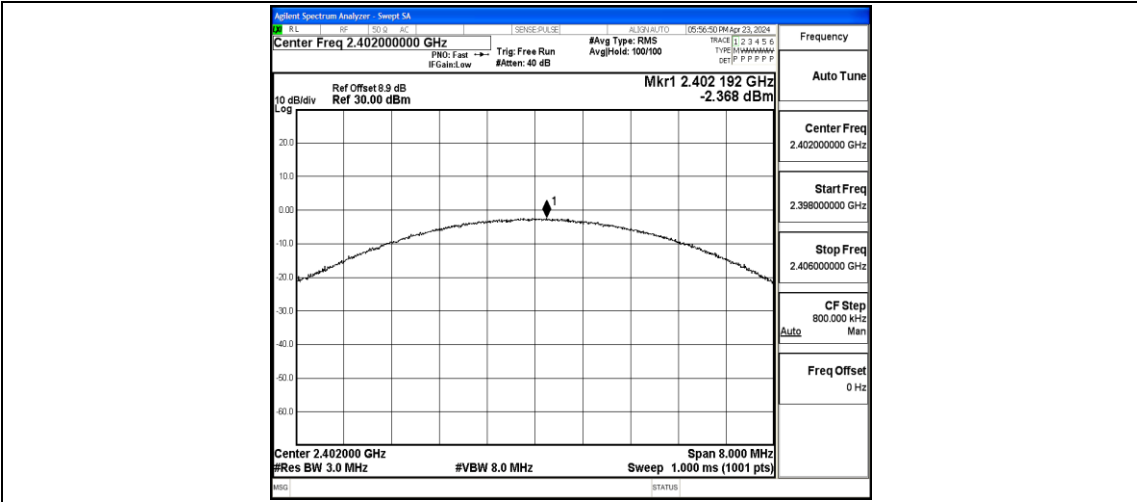
2DH5-Ant1-2402-PASS



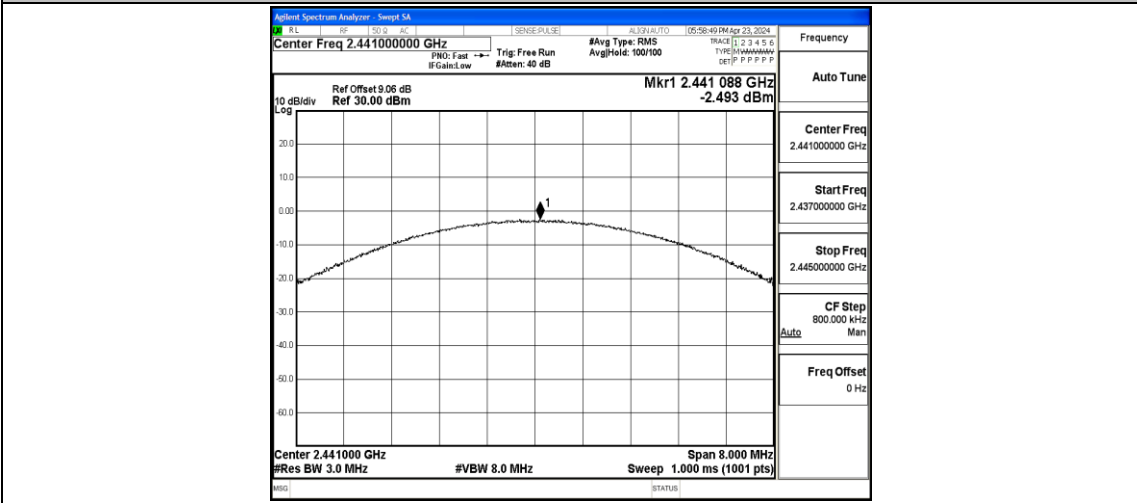
2DH5-Ant1-2441-PASS



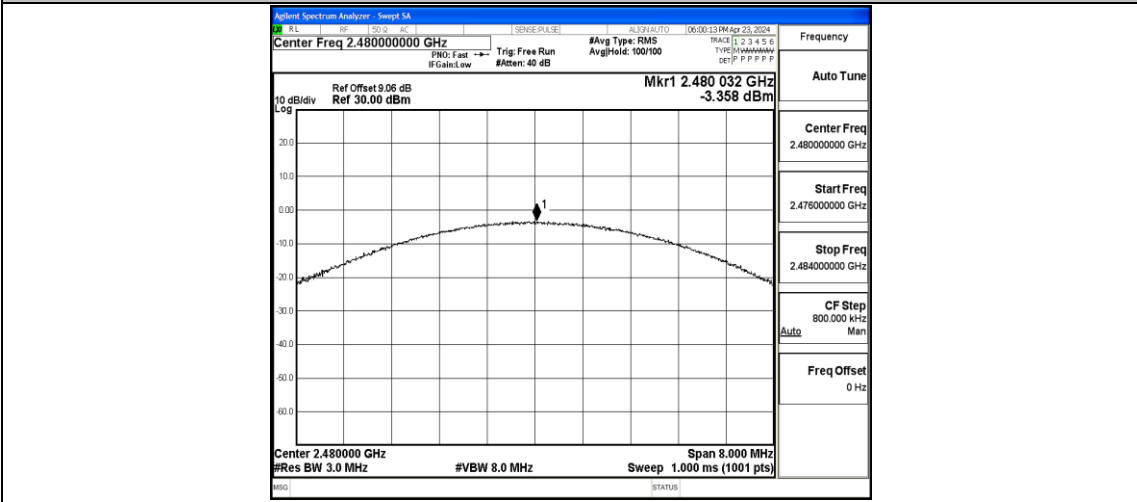
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS



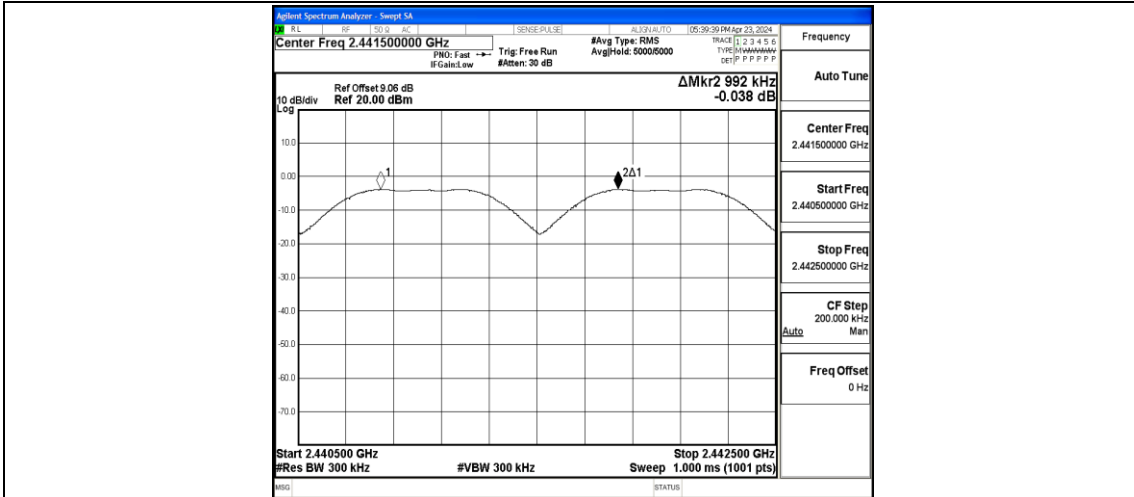
3DH5-Ant1-2480-PASS

## Appendix D: Carrier frequency separation

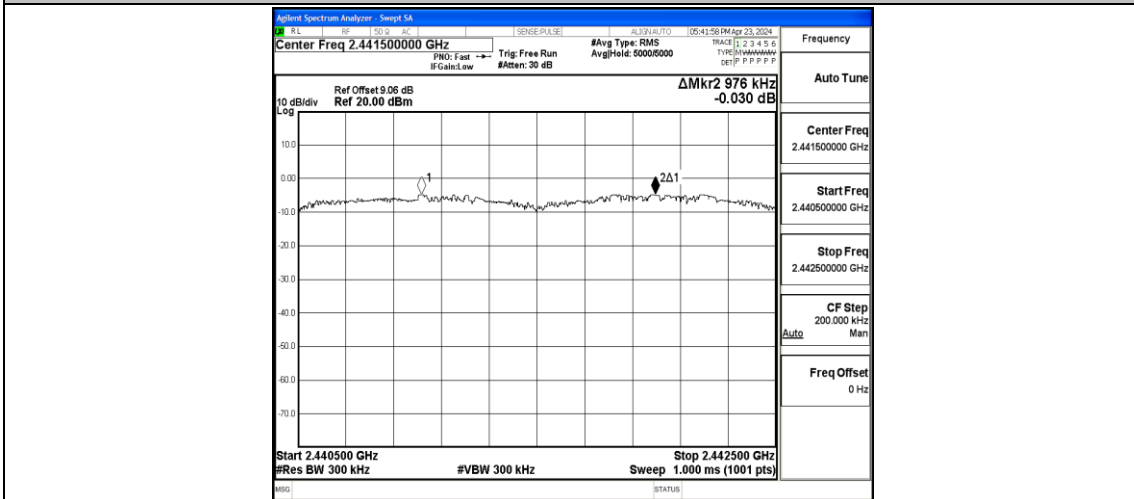
### Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	$\geq 0.025$	PASS
2DH5	Ant1	Hop	0.976	$\geq 0.025$	PASS
3DH5	Ant1	Hop	0.85	$\geq 0.025$	PASS

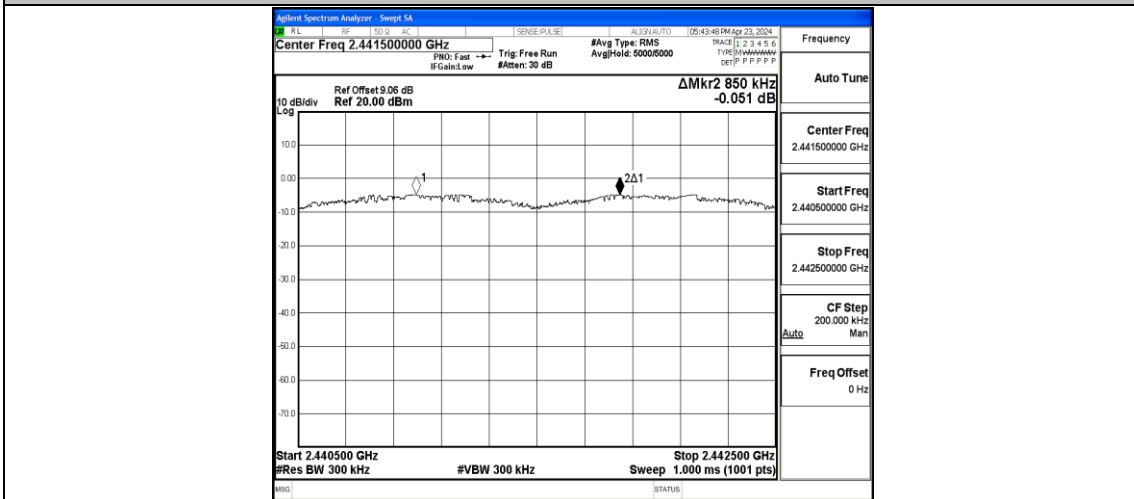
### Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



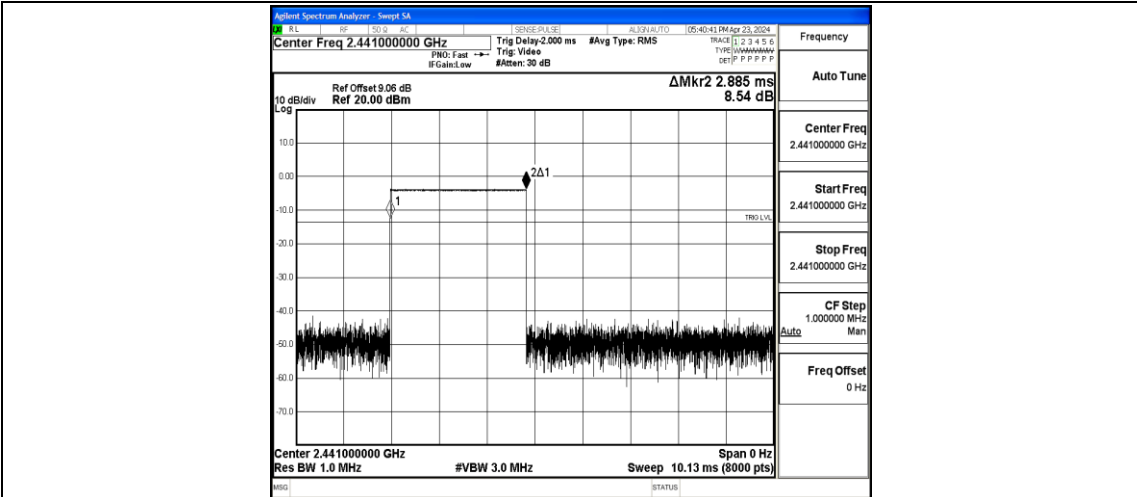
3DH5-Ant1-Hop-PASS

## Appendix E: Time of occupancy

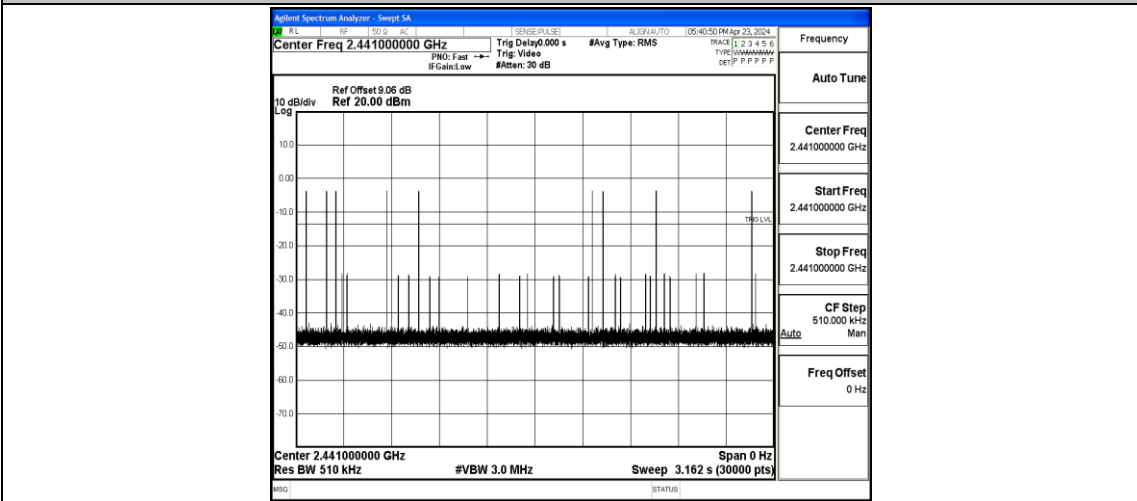
### Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	100	0.289	≤0.4	PASS
2DH5	Ant1	Hop	2.891	110	0.318	≤0.4	PASS
3DH5	Ant1	Hop	2.891	100	0.289	≤0.4	PASS

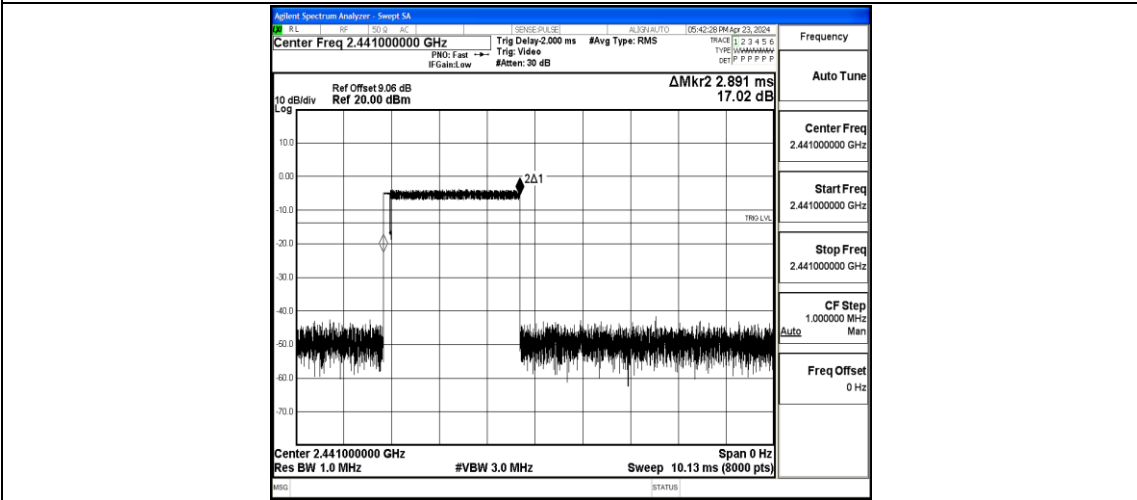
### Test Graphs



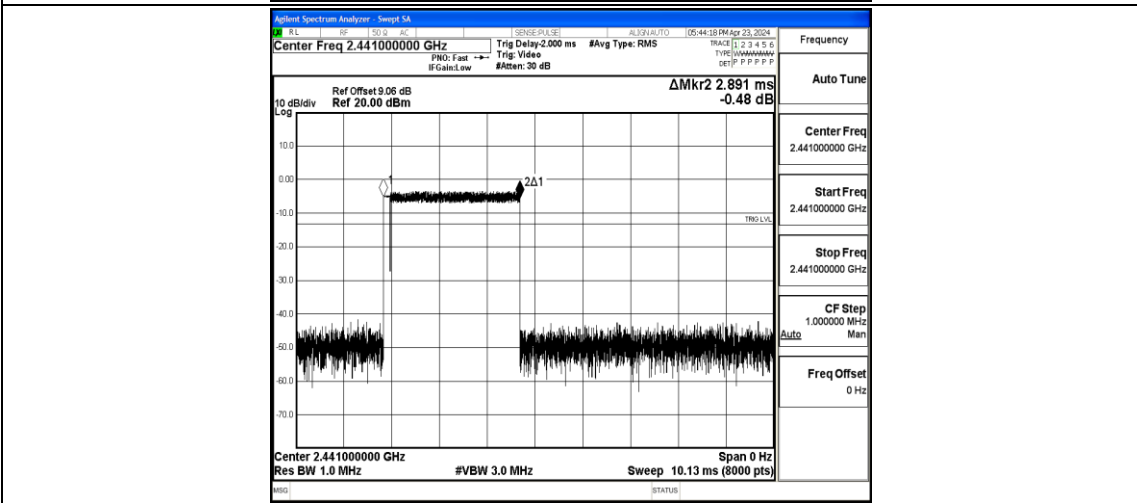
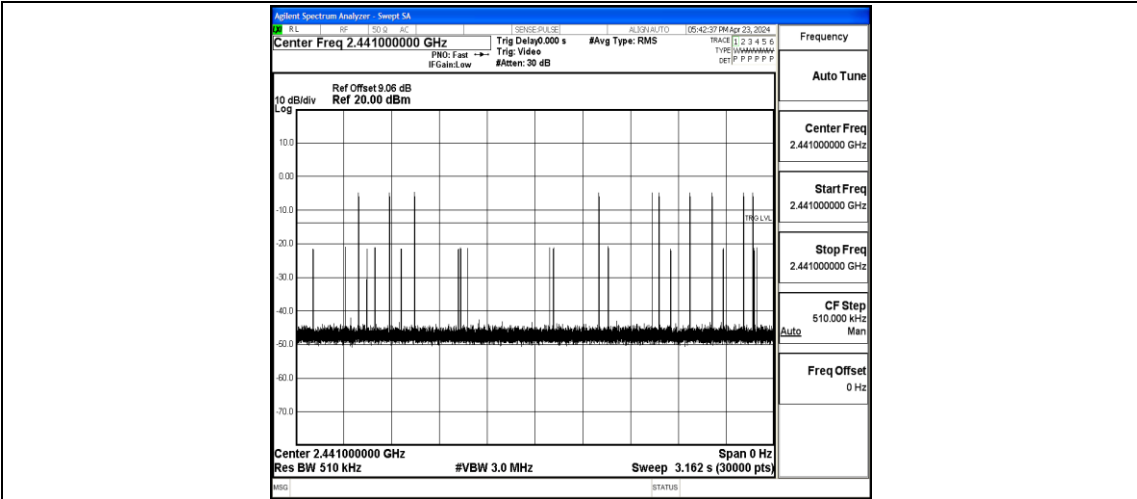
DH5-Ant1-Hop-PASS



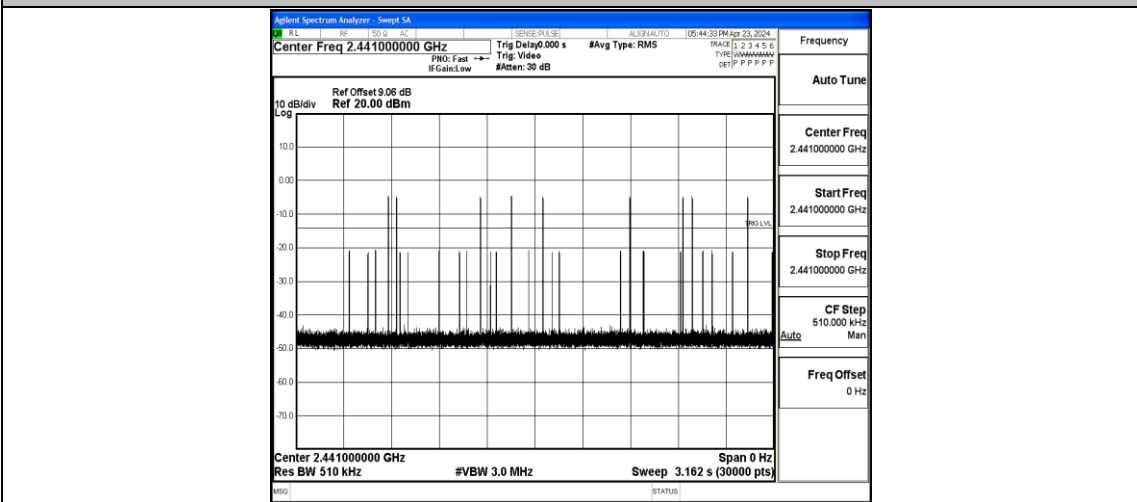
2DH5-Ant1-Hop-PASS







3DH5-Ant1-Hop-PASS

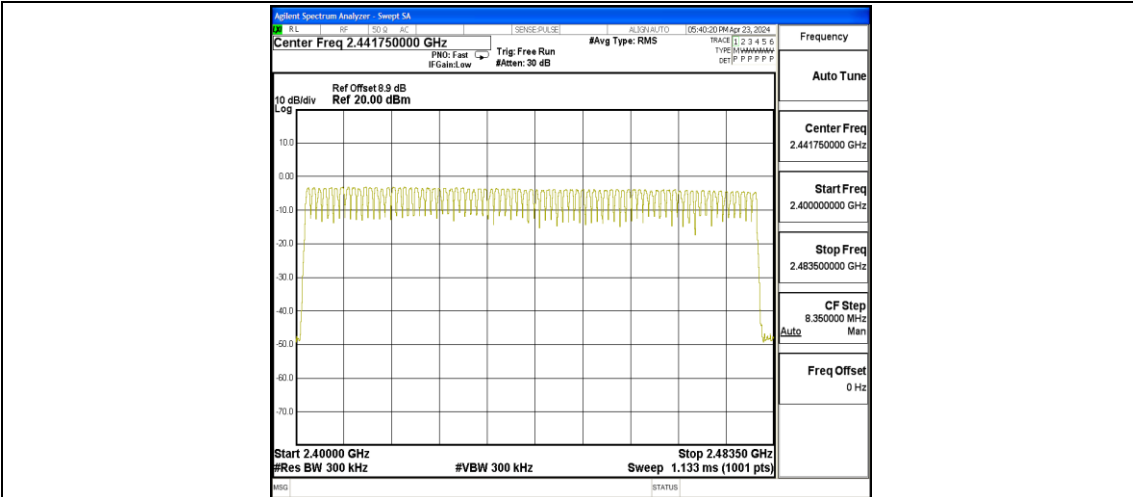


## Appendix F: Number of hopping channels

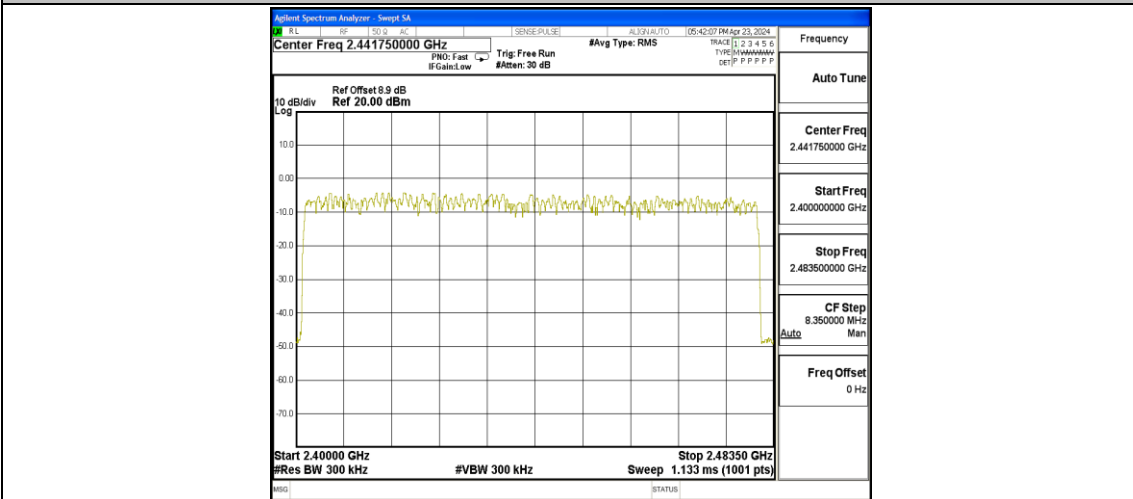
### Test Result

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

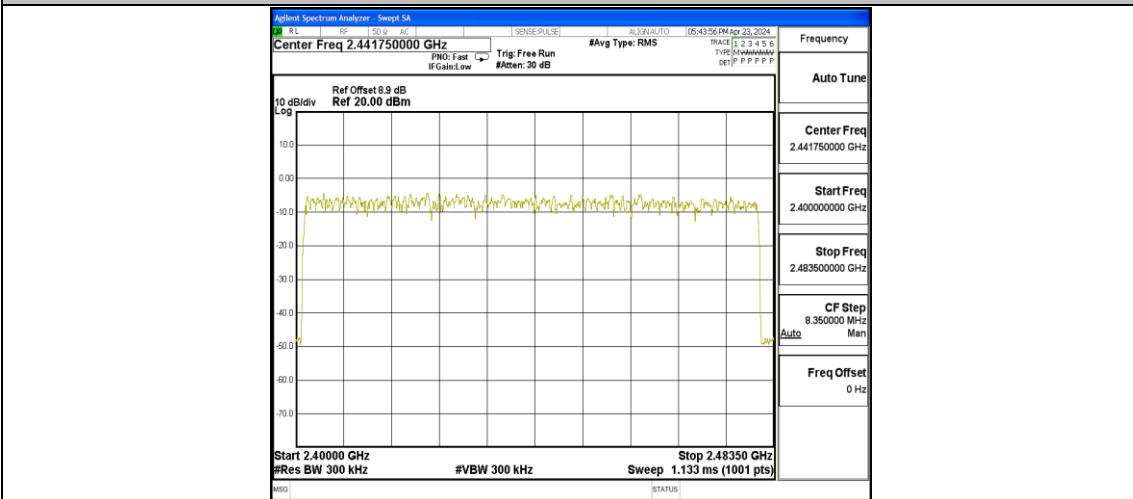
### Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



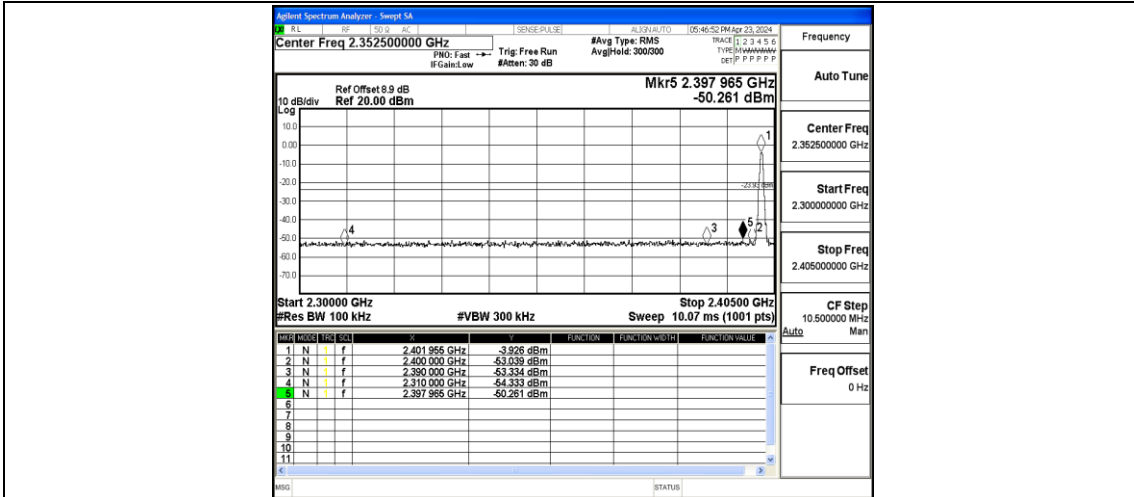
3DH5-Ant1-Hop-PASS

## Appendix G: Band edge measurements

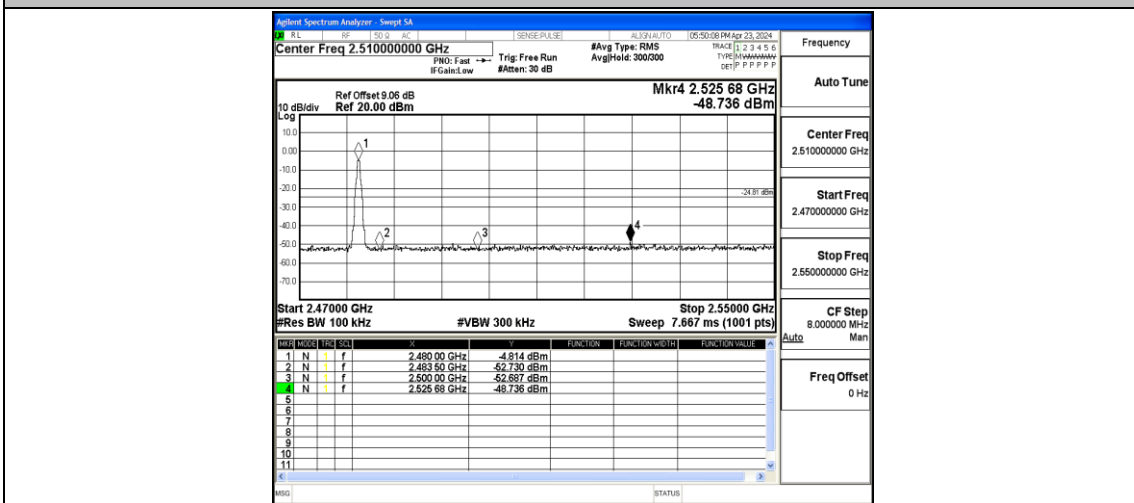
### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.93	-50.26	≤-23.93	PASS
DH5	Ant1	High	2480	-4.81	-48.74	≤-24.81	PASS
DH5	Ant1	Low	Hop_2402	-4.24	-50.72	≤-24.24	PASS
DH5	Ant1	High	Hop_2480	-4.76	-49.23	≤-24.76	PASS
2DH5	Ant1	Low	2402	-4.63	-50.08	≤-24.63	PASS
2DH5	Ant1	High	2480	-6.02	-48.15	≤-26.02	PASS
2DH5	Ant1	Low	Hop_2402	-4.82	-49.75	≤-24.82	PASS
2DH5	Ant1	High	Hop_2480	-8.22	-48.51	≤-28.22	PASS
3DH5	Ant1	Low	2402	-5.02	-50.49	≤-25.02	PASS
3DH5	Ant1	High	2480	-5.73	-49.3	≤-25.73	PASS
3DH5	Ant1	Low	Hop_2402	-5.76	-50.19	≤-25.76	PASS
3DH5	Ant1	High	Hop_2480	-5.52	-49.43	≤-25.52	PASS

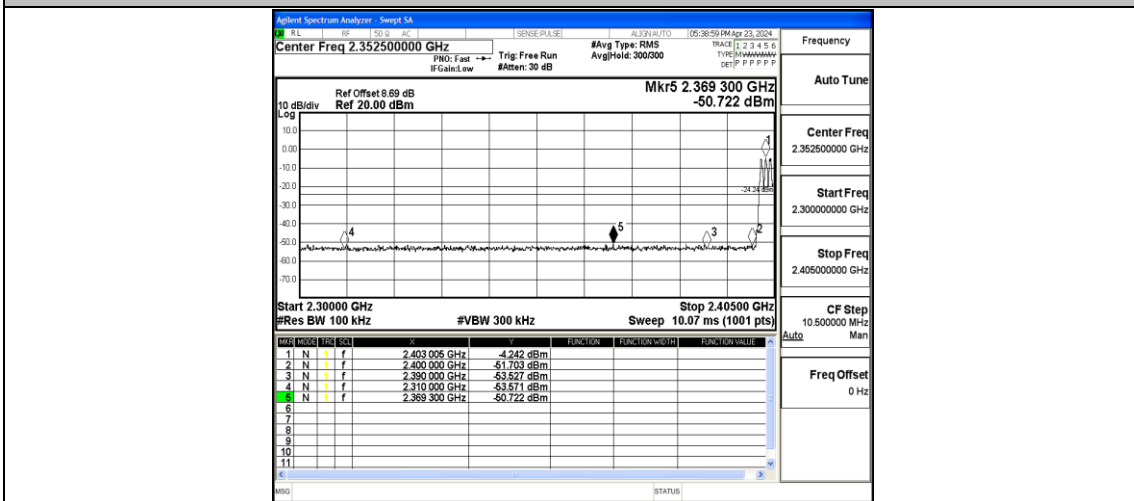
### Test Graphs



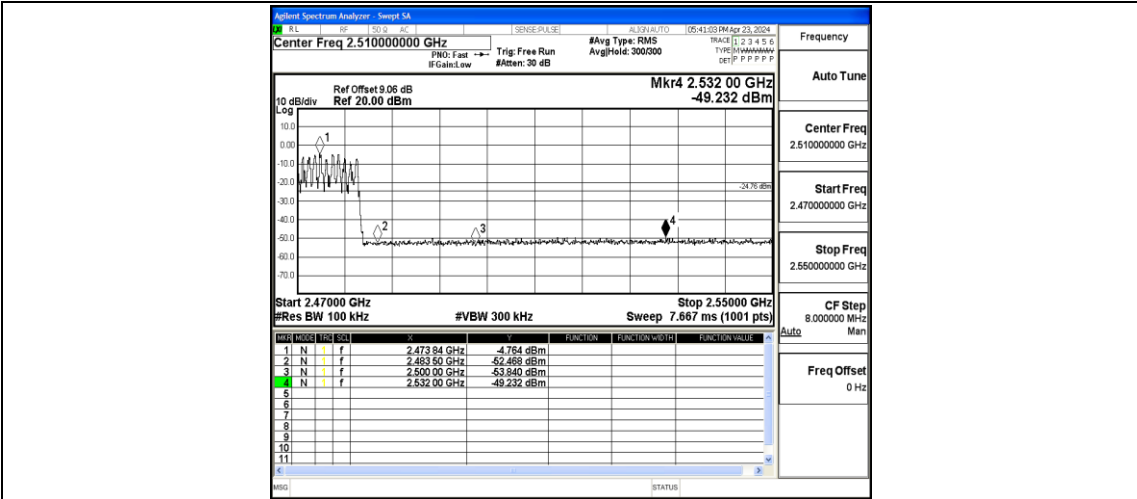
DH5-Ant1-2402-PASS



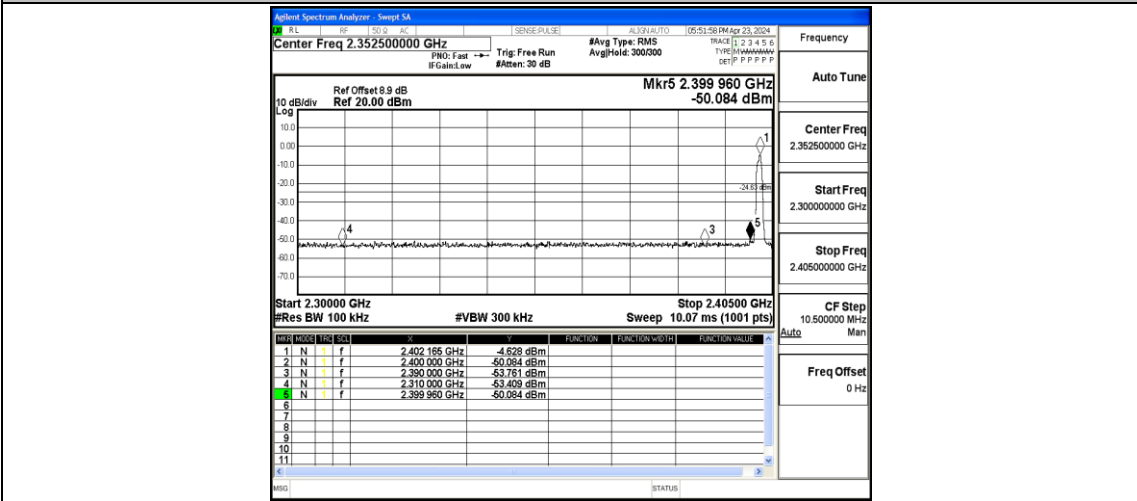
DH5-Ant1-2480-PASS



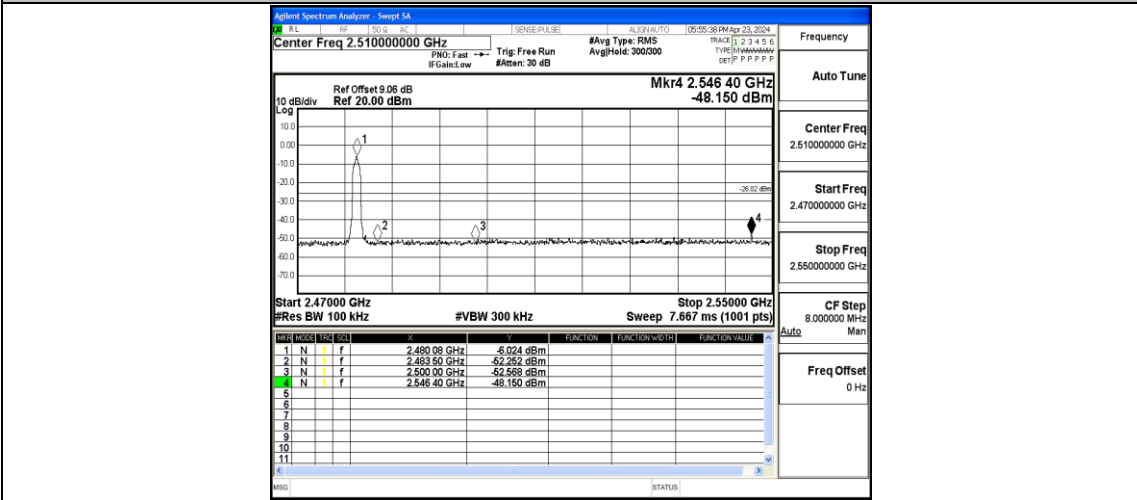
DH5-Ant1-Hop\_2402-PASS



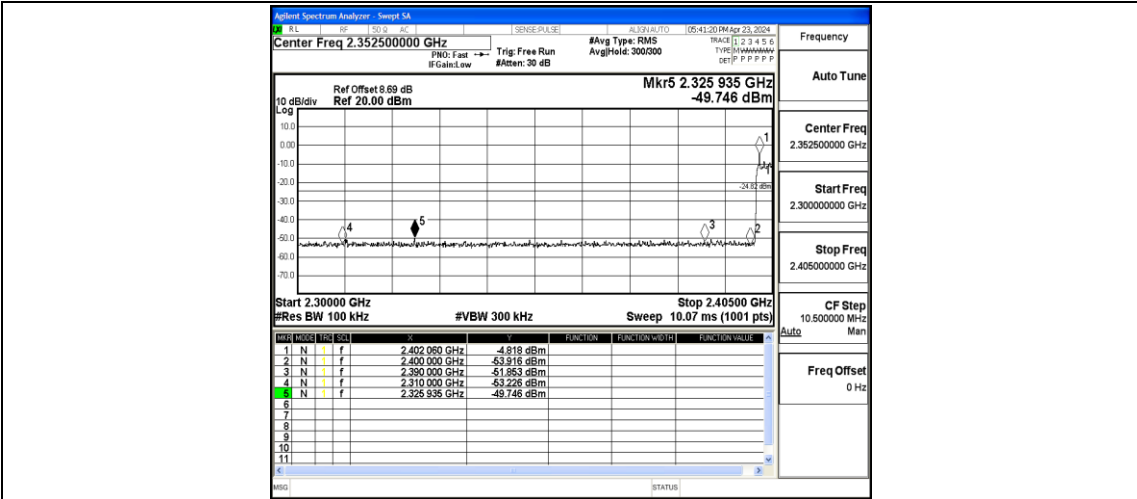
DH5-Ant1-Hop\_2480-PASS



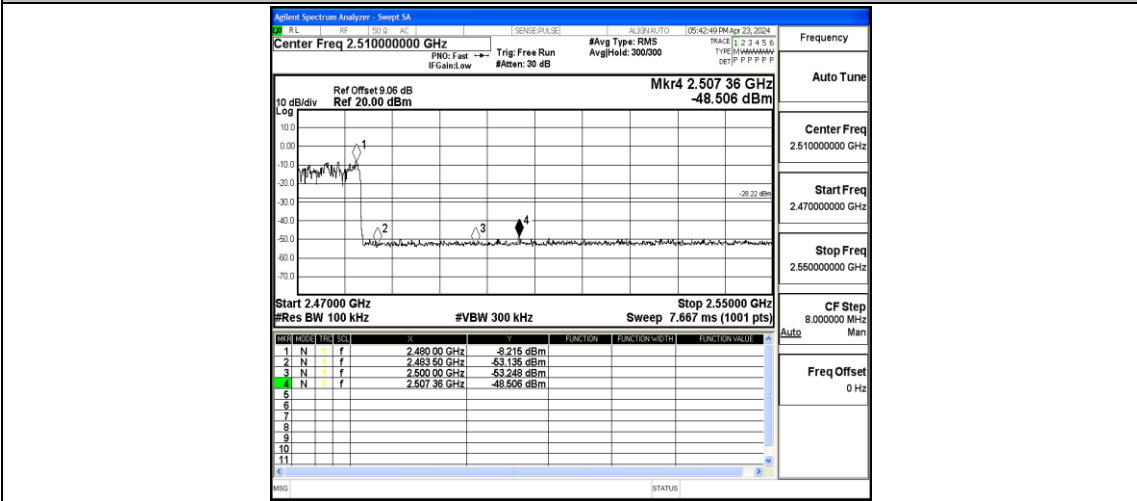
2DH5-Ant1-2402-PASS



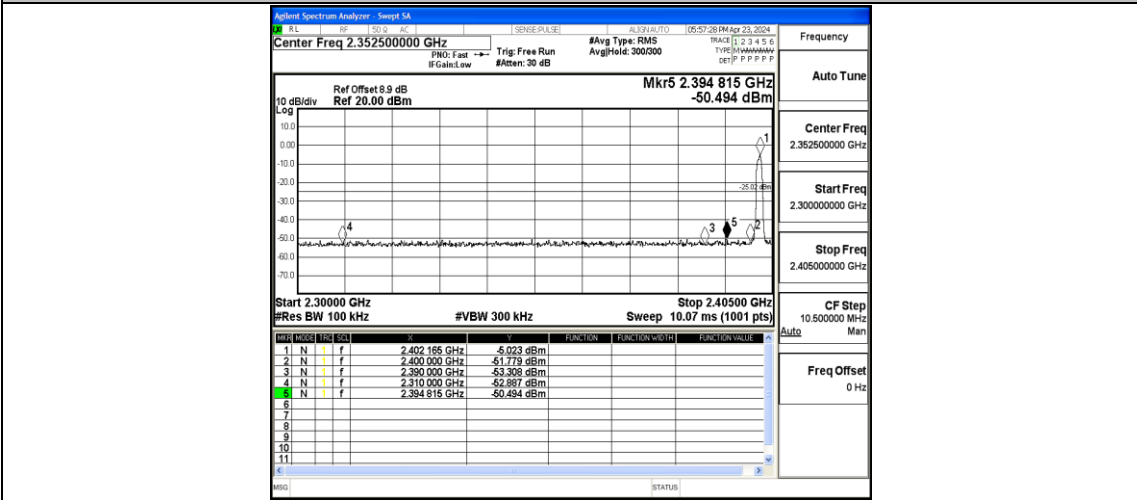
2DH5-Ant1-2480-PASS



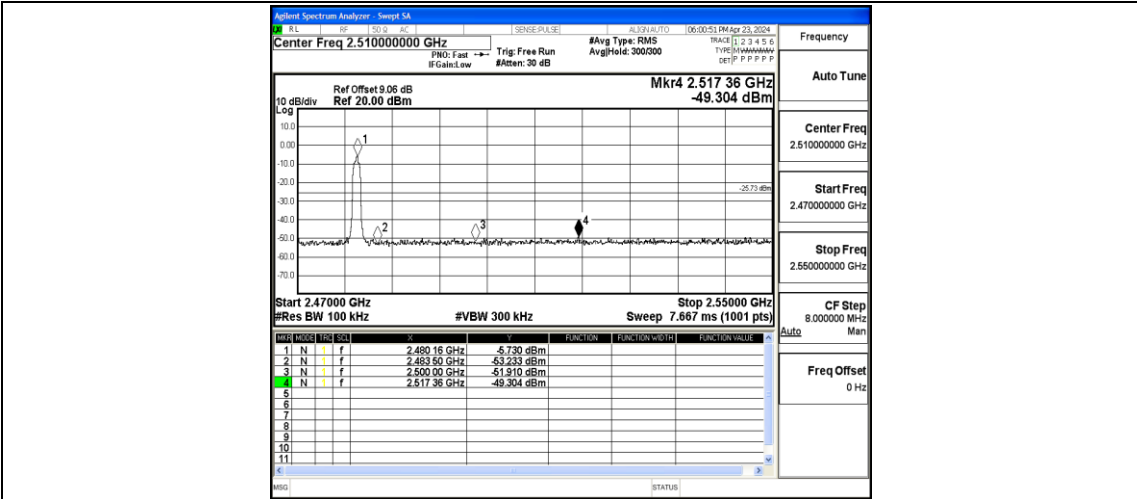
2DH5-Ant1-Hop\_2402-PASS



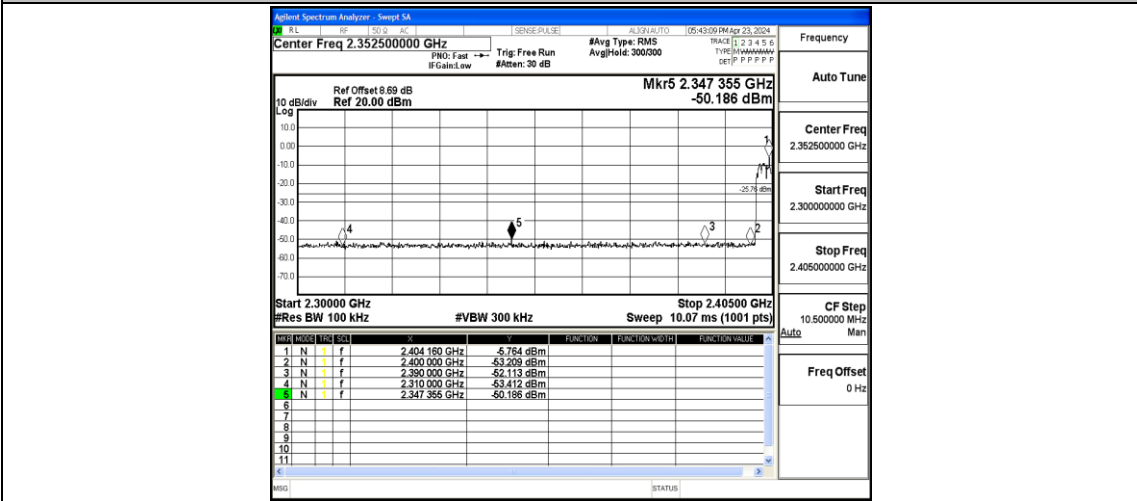
2DH5-Ant1-Hop\_2480-PASS



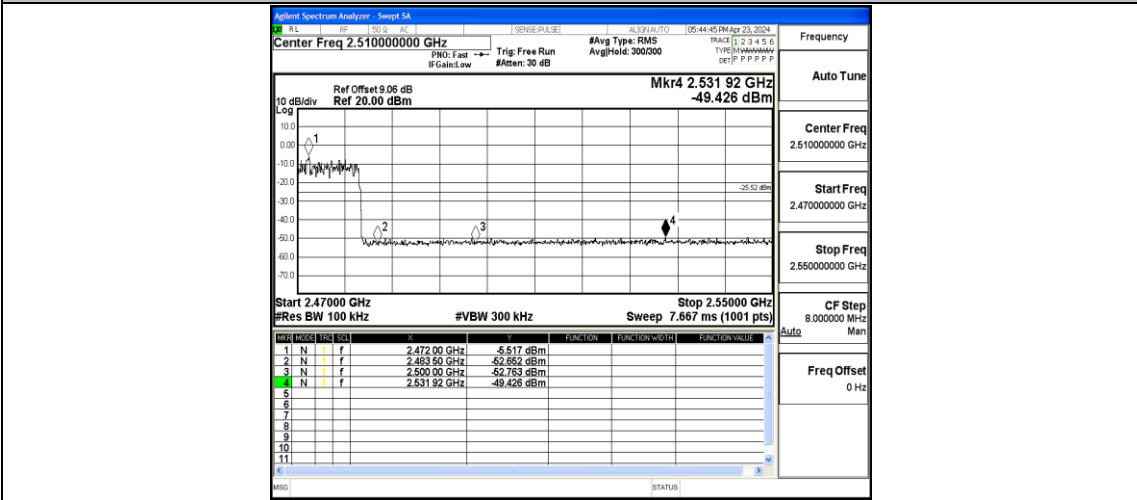
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop\_2402-PASS



3DH5-Ant1-Hop\_2480-PASS

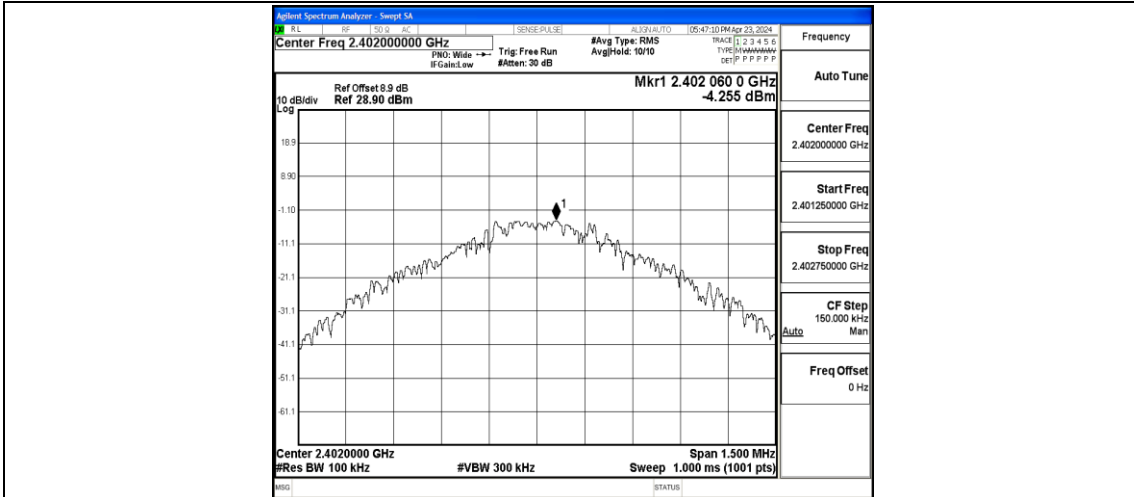


## Appendix H: Conducted Spurious Emission

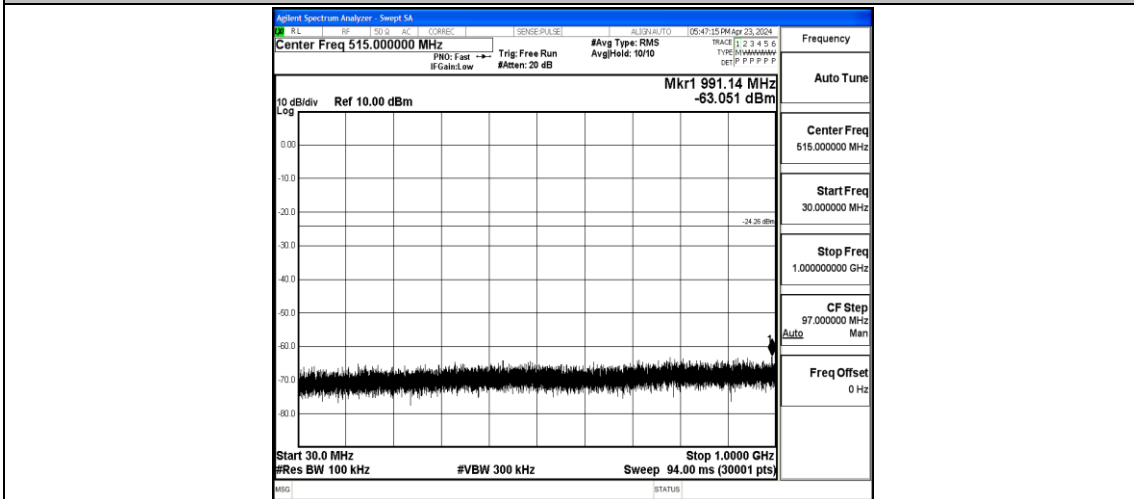
### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.26	-4.26	---	PASS
DH5	Ant1	2402	30~1000	-4.26	-63.05	≤-24.26	PASS
DH5	Ant1	2402	1000~26500	-4.26	-49.04	≤-24.26	PASS
DH5	Ant1	2441	0~Reference	-4.47	-4.47	---	PASS
DH5	Ant1	2441	30~1000	-4.47	-62.24	≤-24.47	PASS
DH5	Ant1	2441	1000~26500	-4.47	-50.33	≤-24.47	PASS
DH5	Ant1	2480	0~Reference	-5.44	-5.44	---	PASS
DH5	Ant1	2480	30~1000	-5.44	-62.16	≤-25.44	PASS
DH5	Ant1	2480	1000~26500	-5.44	-50.66	≤-25.44	PASS
2DH5	Ant1	2402	0~Reference	-6.42	-6.42	---	PASS
2DH5	Ant1	2402	30~1000	-6.42	-62.86	≤-26.42	PASS
2DH5	Ant1	2402	1000~26500	-6.42	-50.21	≤-26.42	PASS
2DH5	Ant1	2441	0~Reference	-8.72	-8.72	---	PASS
2DH5	Ant1	2441	30~1000	-8.72	-62.94	≤-28.72	PASS
2DH5	Ant1	2441	1000~26500	-8.72	-48.87	≤-28.72	PASS
2DH5	Ant1	2480	0~Reference	-9.24	-9.24	---	PASS
2DH5	Ant1	2480	30~1000	-9.24	-62.46	≤-29.24	PASS
2DH5	Ant1	2480	1000~26500	-9.24	-49.58	≤-29.24	PASS
3DH5	Ant1	2402	0~Reference	-5.60	-5.60	---	PASS
3DH5	Ant1	2402	30~1000	-5.60	-63.07	≤-25.6	PASS
3DH5	Ant1	2402	1000~26500	-5.60	-50.21	≤-25.6	PASS
3DH5	Ant1	2441	0~Reference	-5.64	-5.64	---	PASS
3DH5	Ant1	2441	30~1000	-5.64	-62.78	≤-25.64	PASS
3DH5	Ant1	2441	1000~26500	-5.64	-50.05	≤-25.64	PASS
3DH5	Ant1	2480	0~Reference	-6.66	-6.66	---	PASS
3DH5	Ant1	2480	30~1000	-6.66	-62.43	≤-26.66	PASS
3DH5	Ant1	2480	1000~26500	-6.66	-50.52	≤-26.66	PASS

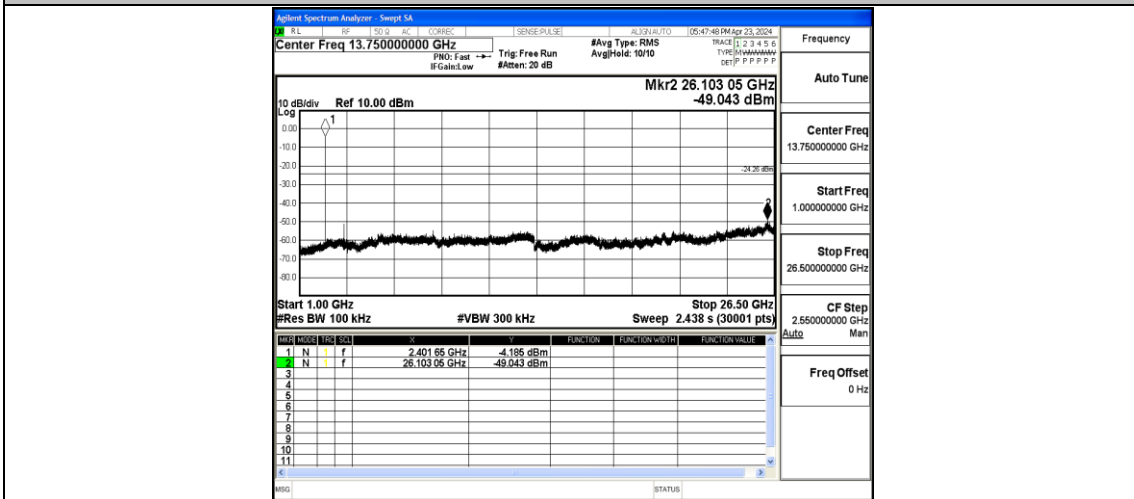
### Test Graphs



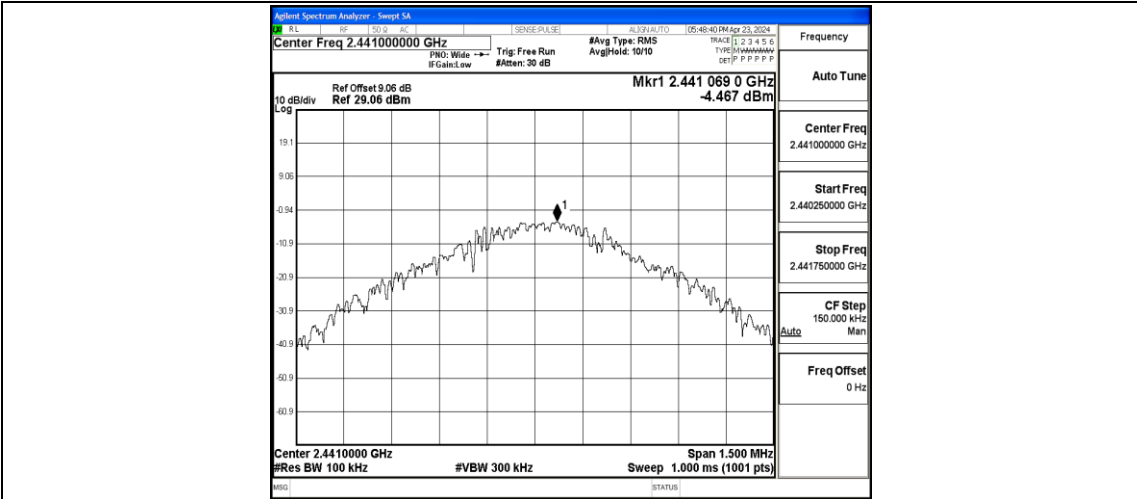
DH5-Ant1-2402-0~Reference-PASS



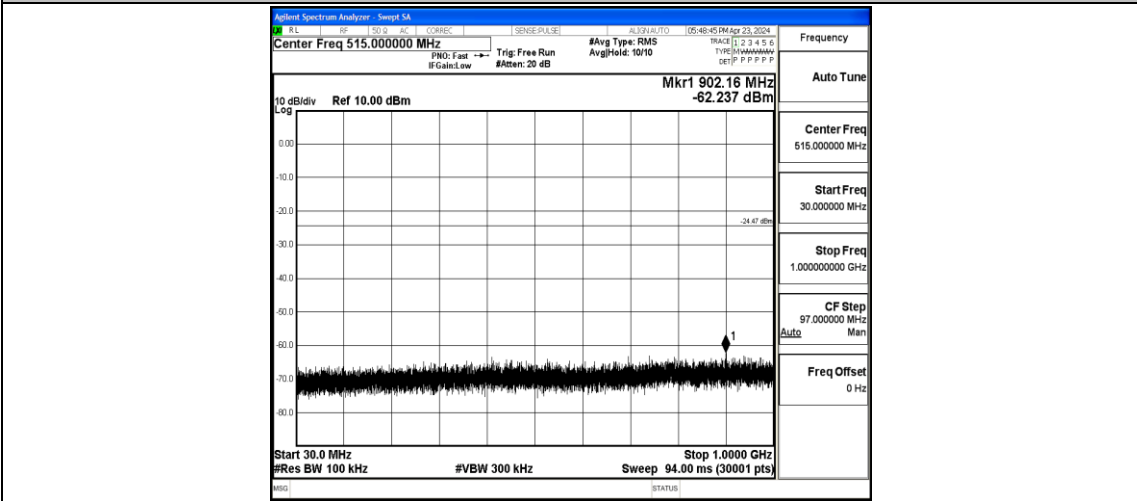
DH5-Ant1-2402-30~1000-PASS



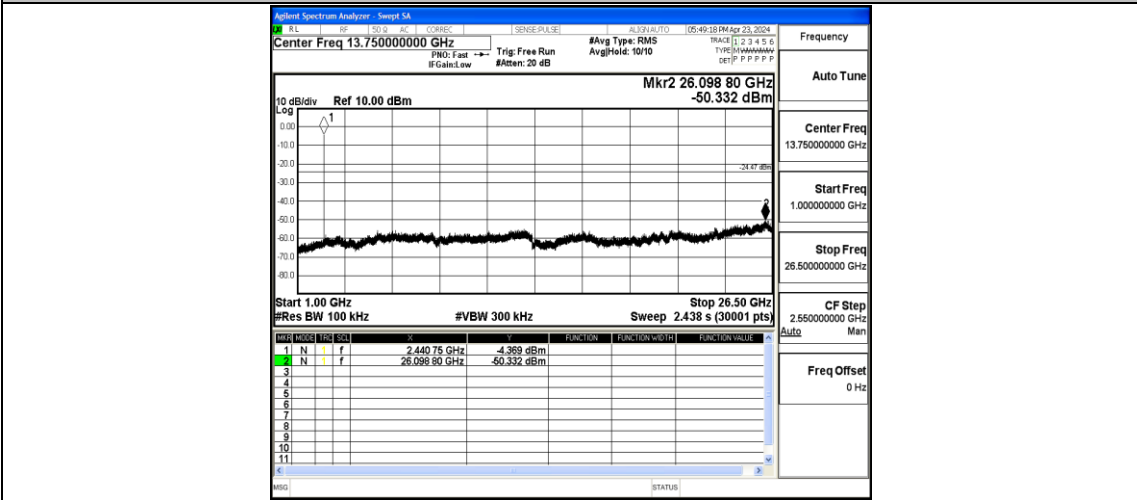
DH5-Ant1-2402-1000~26500-PASS



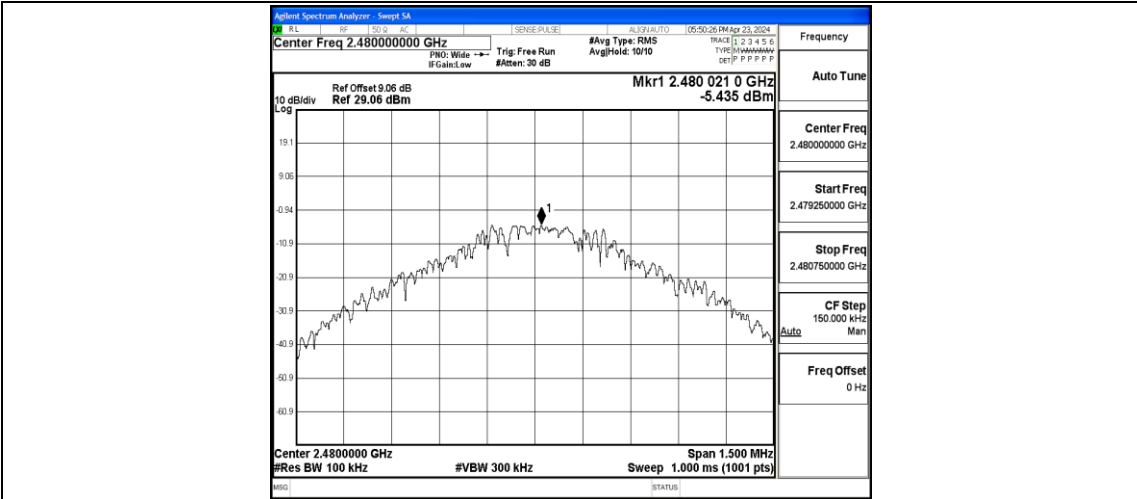
DH5-Ant1-2441-0~Reference-PASS



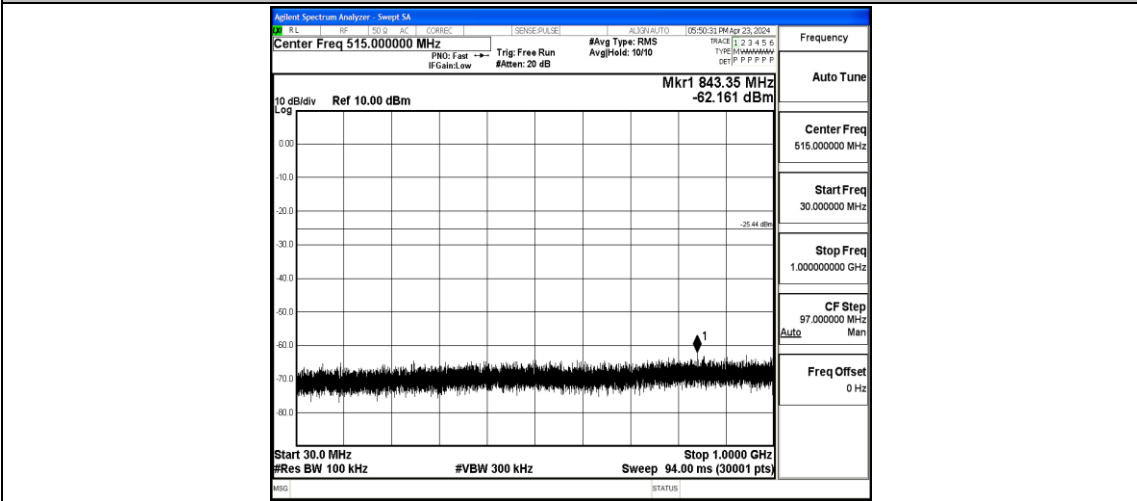
DH5-Ant1-2441-30~1000-PASS



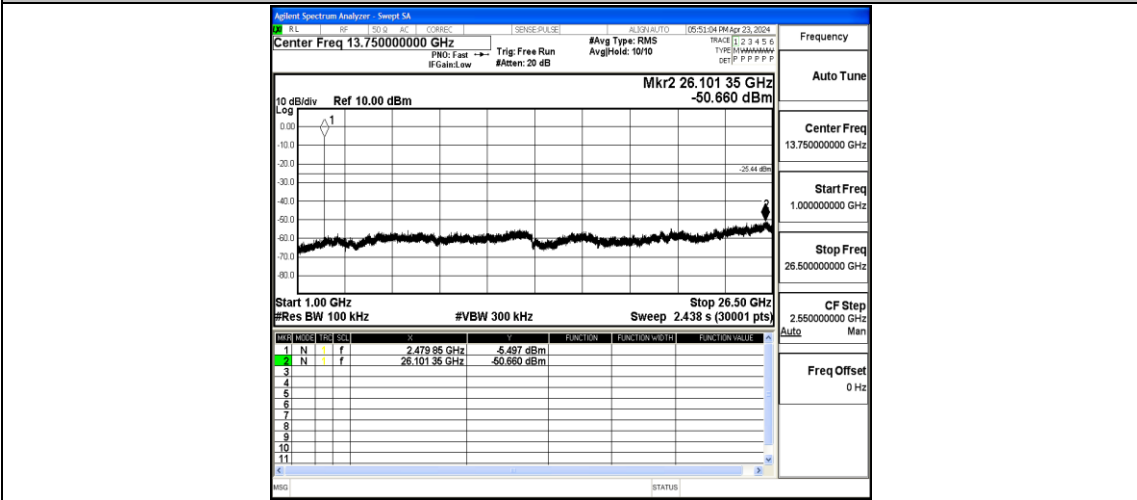
DH5-Ant1-2441-1000~26500-PASS



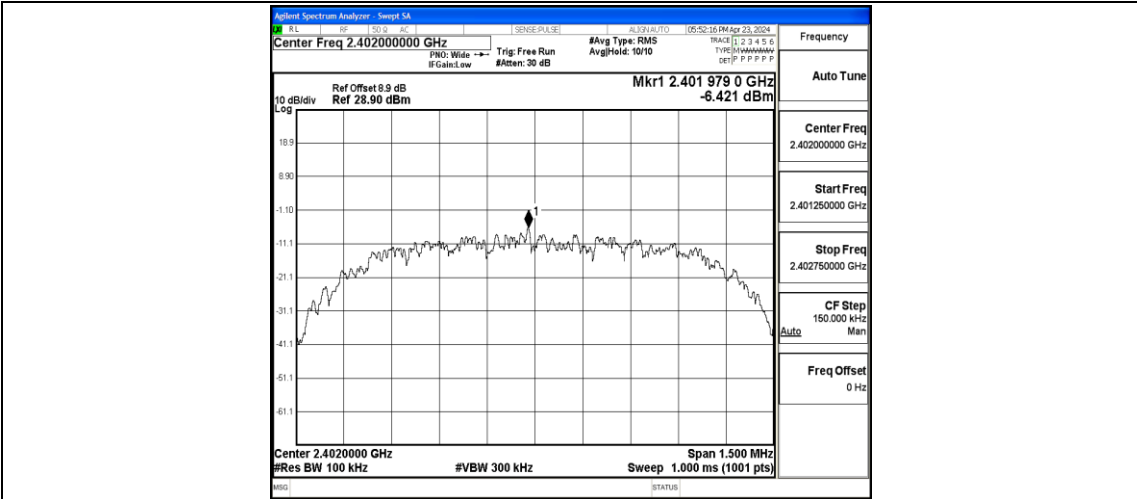
DH5-Ant1-2480-0~Reference-PASS



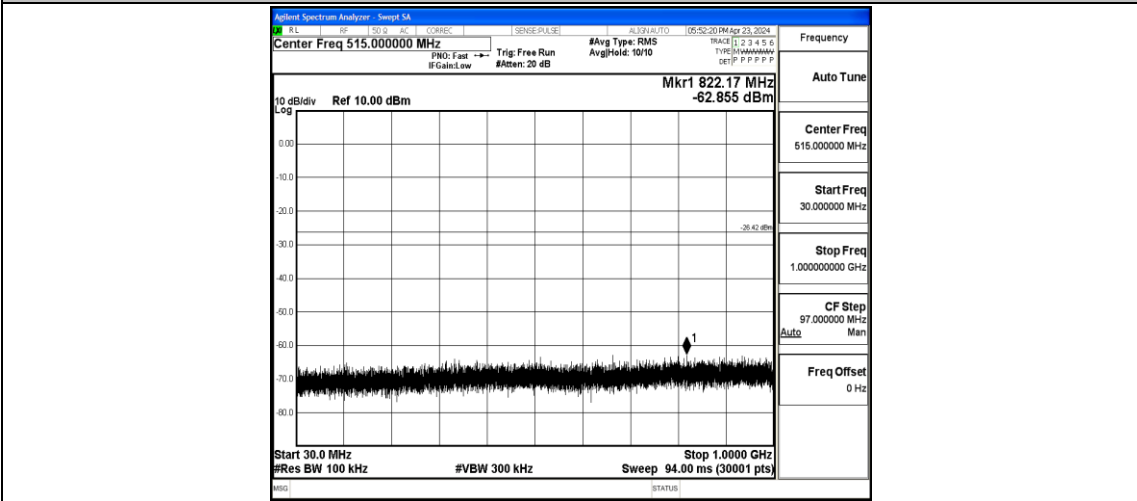
DH5-Ant1-2480-30~1000-PASS



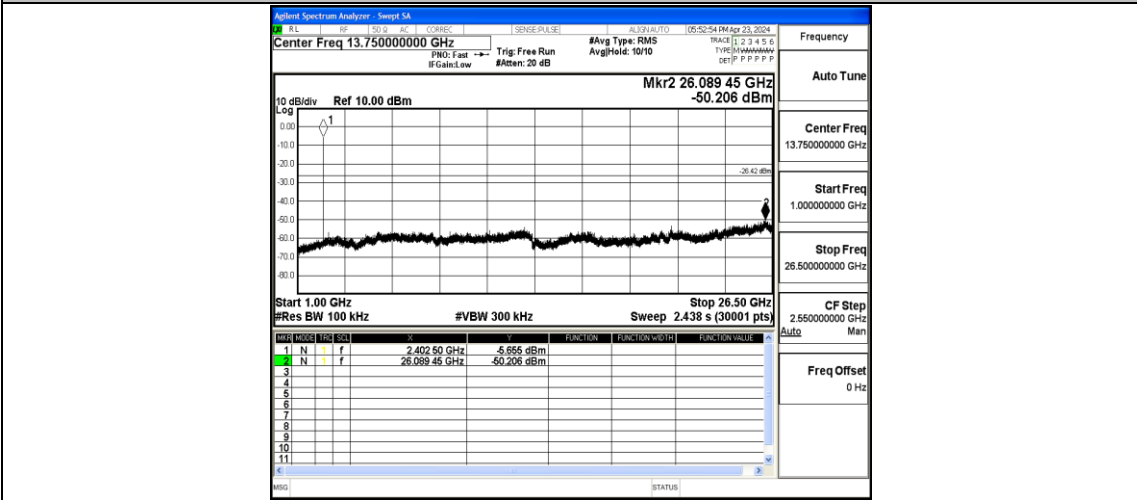
DH5-Ant1-2480-1000~26500-PASS



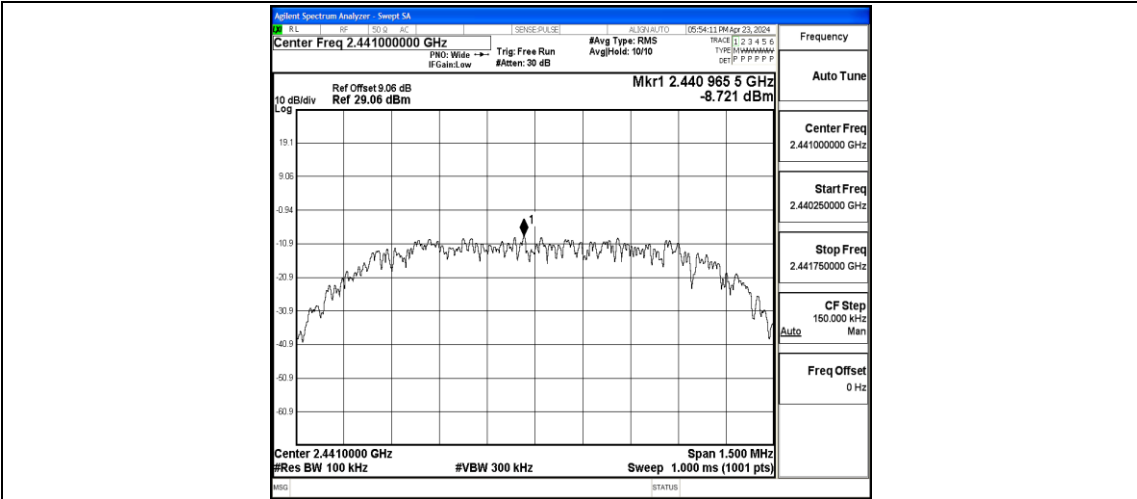
2DH5-Ant1-2402-0~Reference-PASS



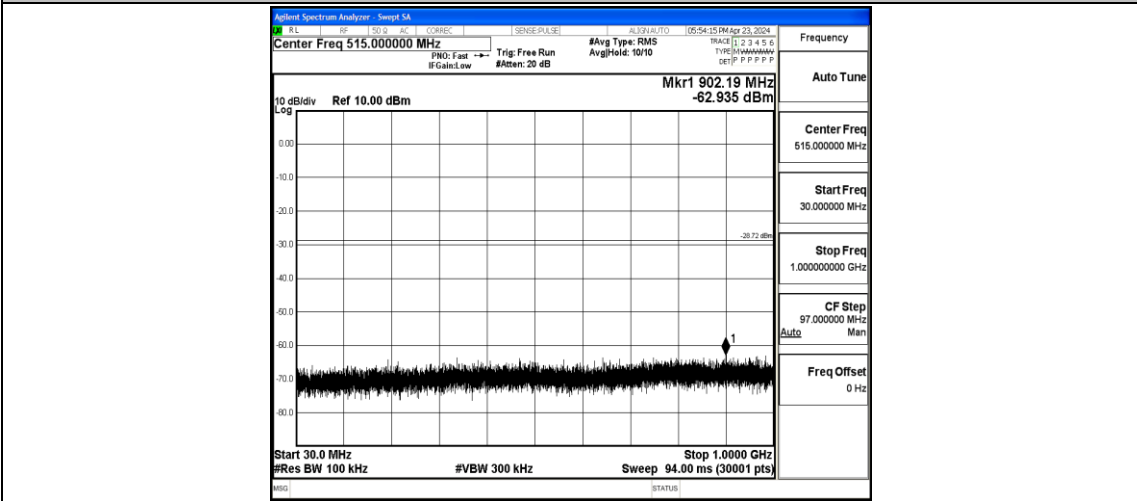
2DH5-Ant1-2402-30~1000-PASS



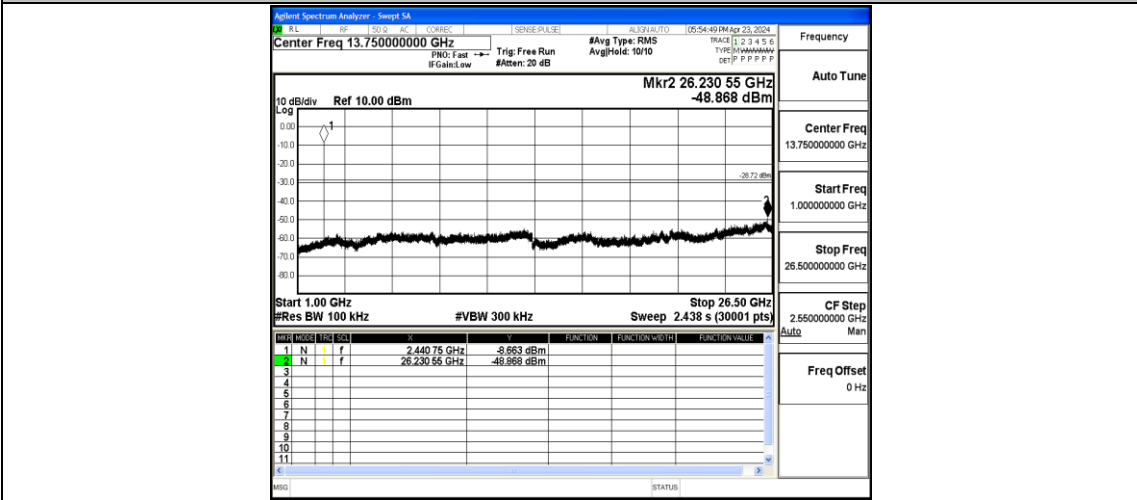
2DH5-Ant1-2402-1000~26500-PASS



2DH5-Ant1-2441-0~Reference-PASS



2DH5-Ant1-2441-30~1000-PASS



2DH5-Ant1-2441-1000~26500-PASS