

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

Product Name: Wireless Headphone

Trade Mark: N/A

Test Model: AC-137

FCC ID: 2BCRG-AC137

### Environmental Conditions

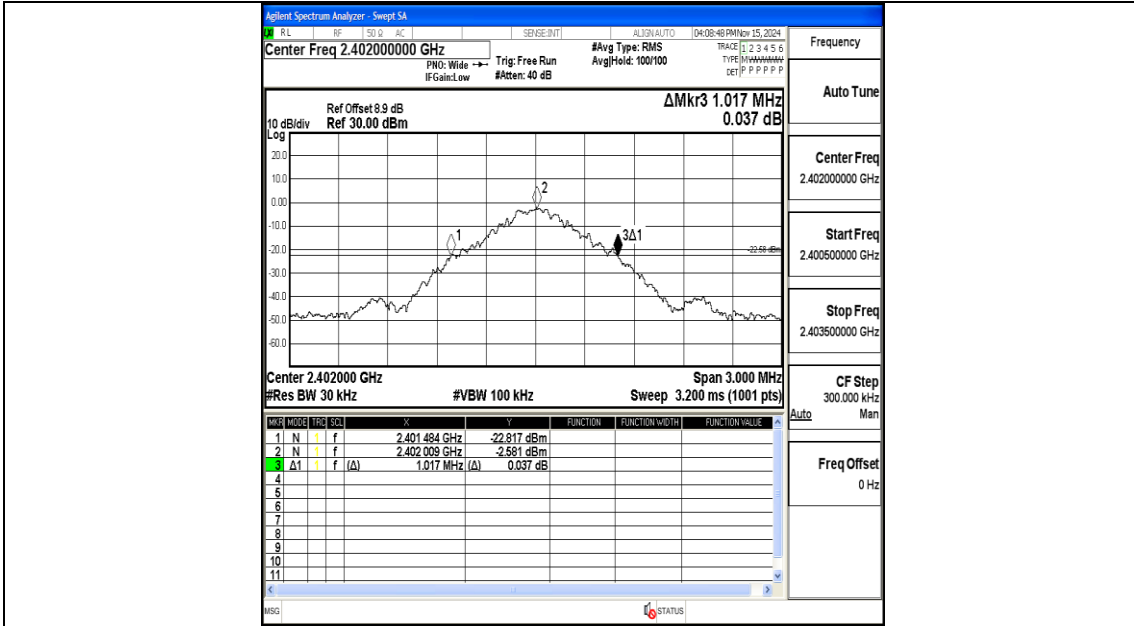
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

## Appendix A: 20dB Emission Bandwidth

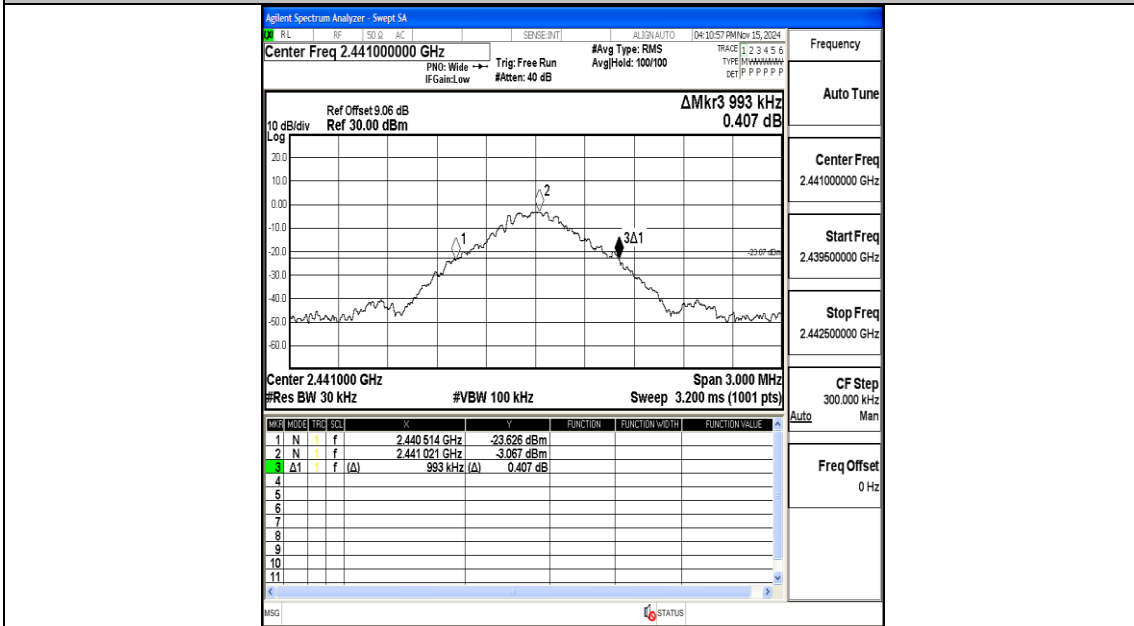
### Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	1.017	2401.484	2402.501	---	---
DH5	Ant1	2441	0.993	2440.514	2441.507	---	---
DH5	Ant1	2480	1.020	2479.487	2480.507	---	---
2DH5	Ant1	2402	1.293	2401.370	2402.663	---	---
2DH5	Ant1	2441	1.320	2440.346	2441.666	---	---
2DH5	Ant1	2480	1.287	2479.373	2480.660	---	---

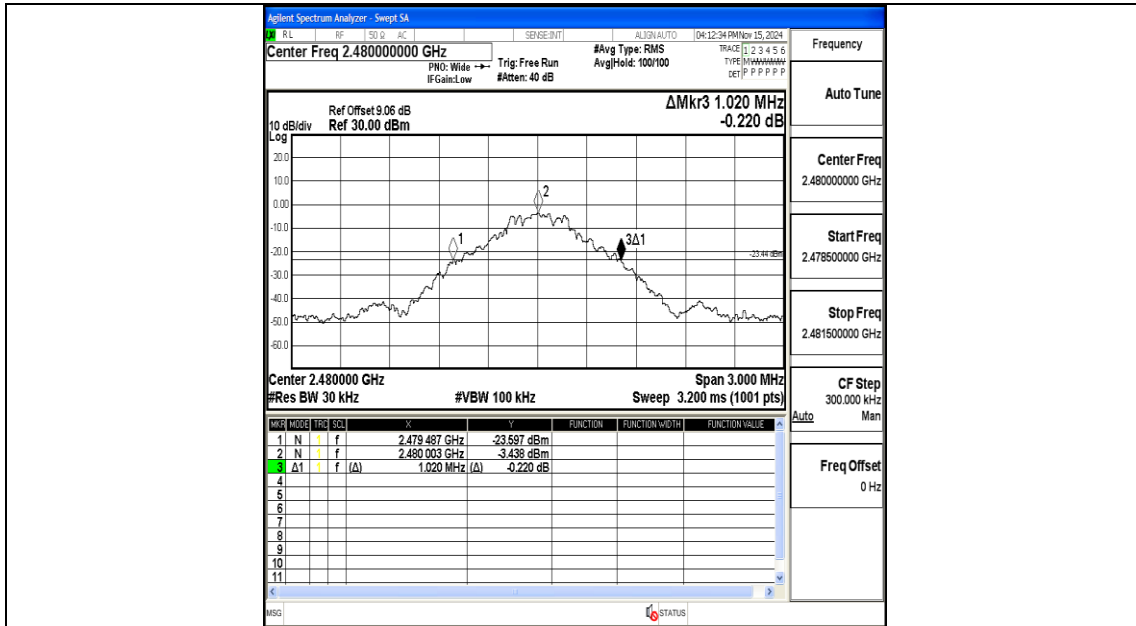
### Test Graphs



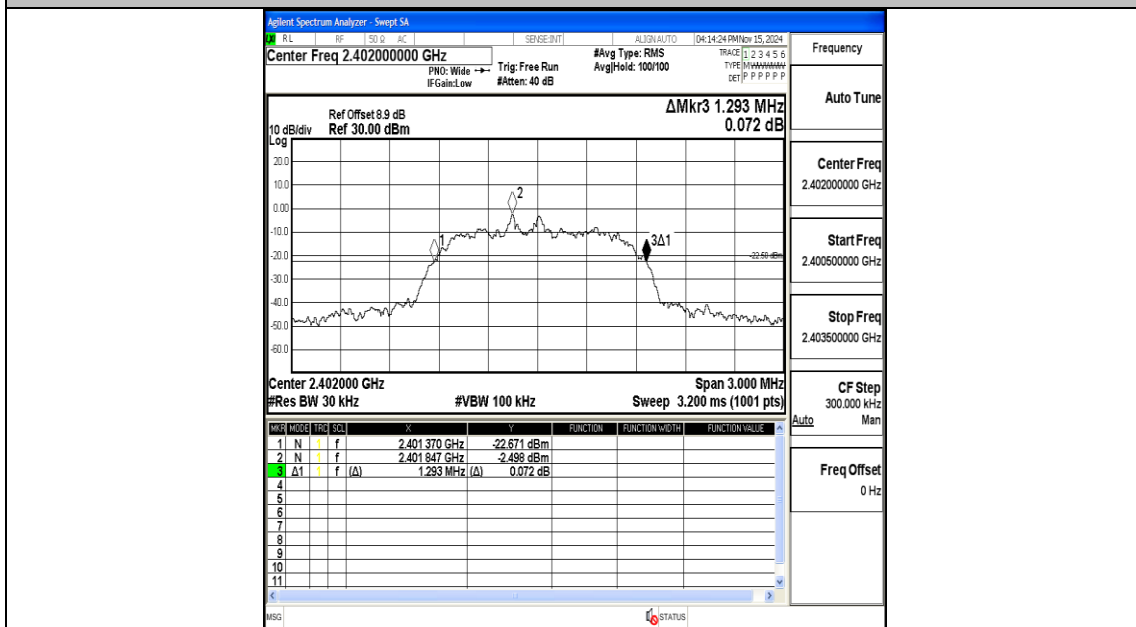
DH5-Ant1-2402



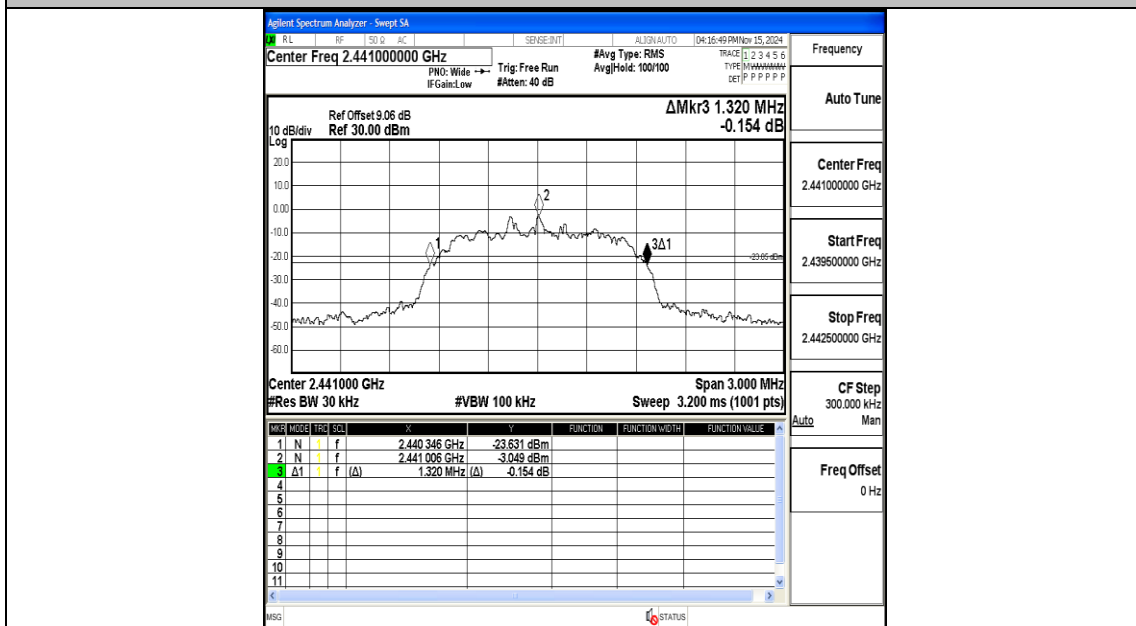
DH5-Ant1-2441



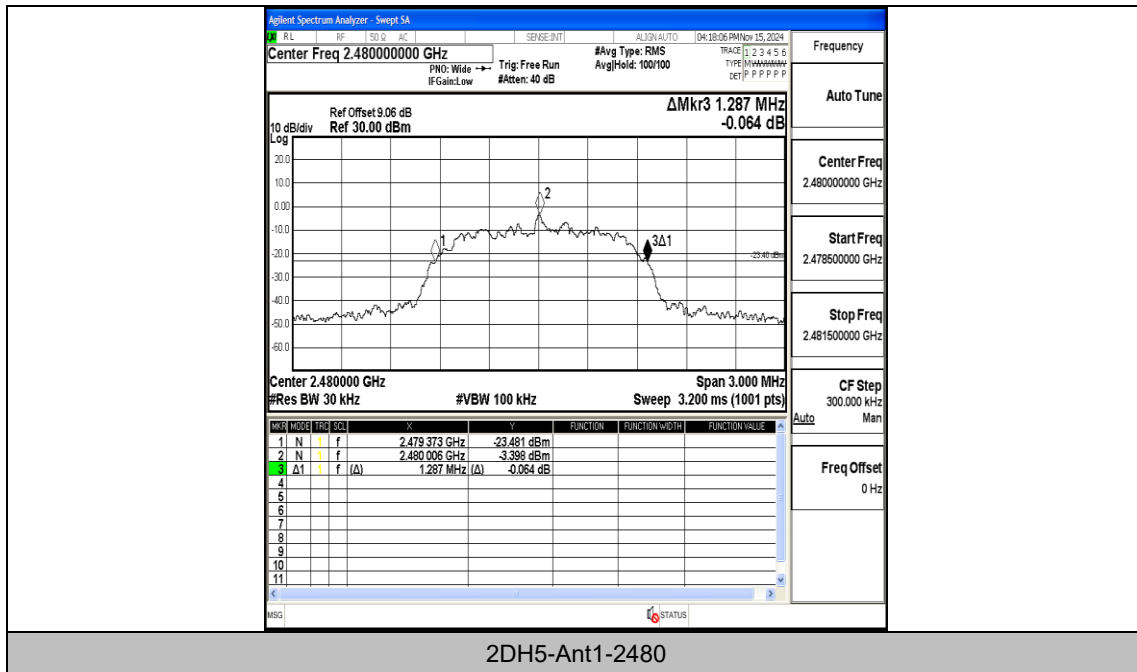
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

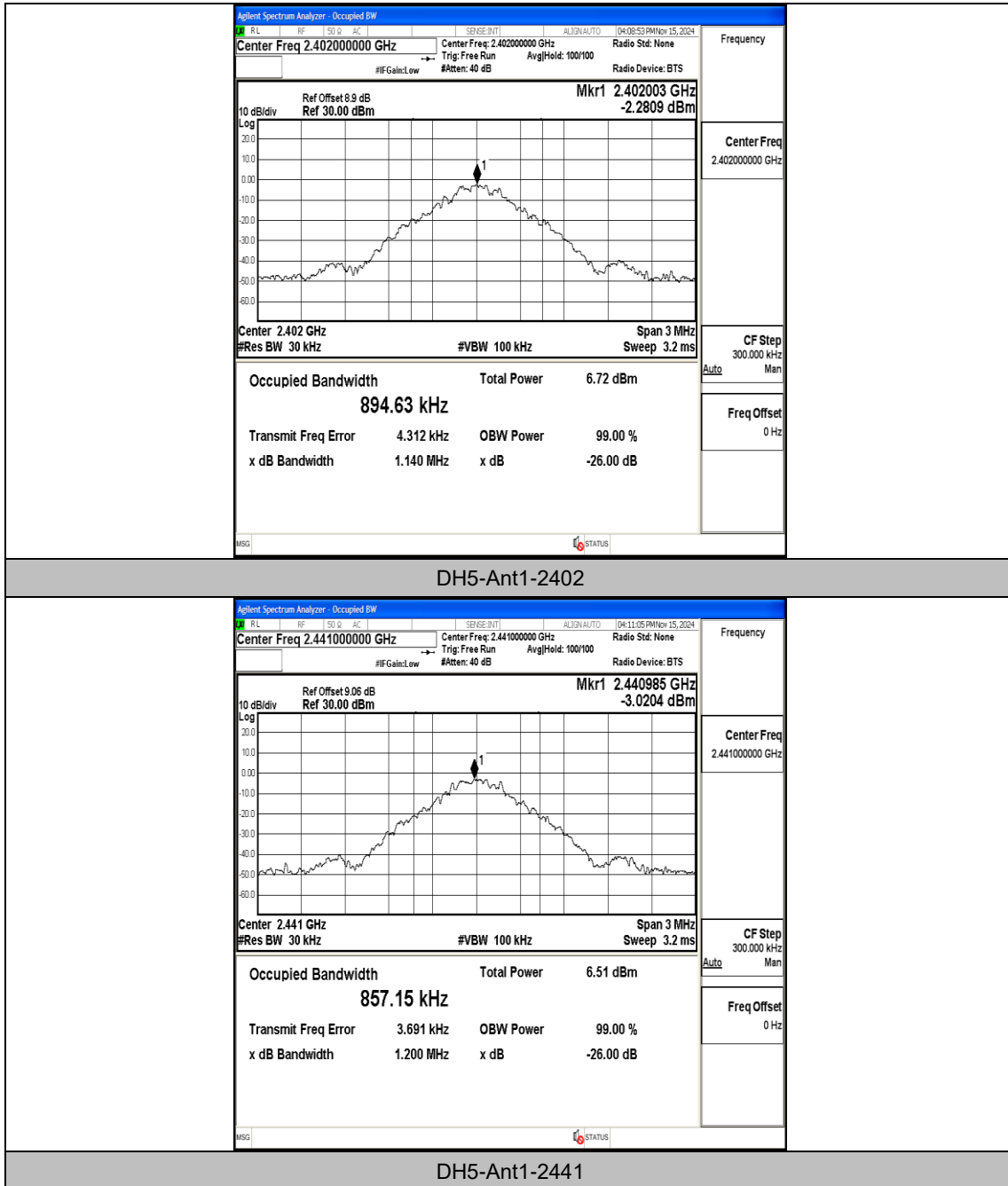


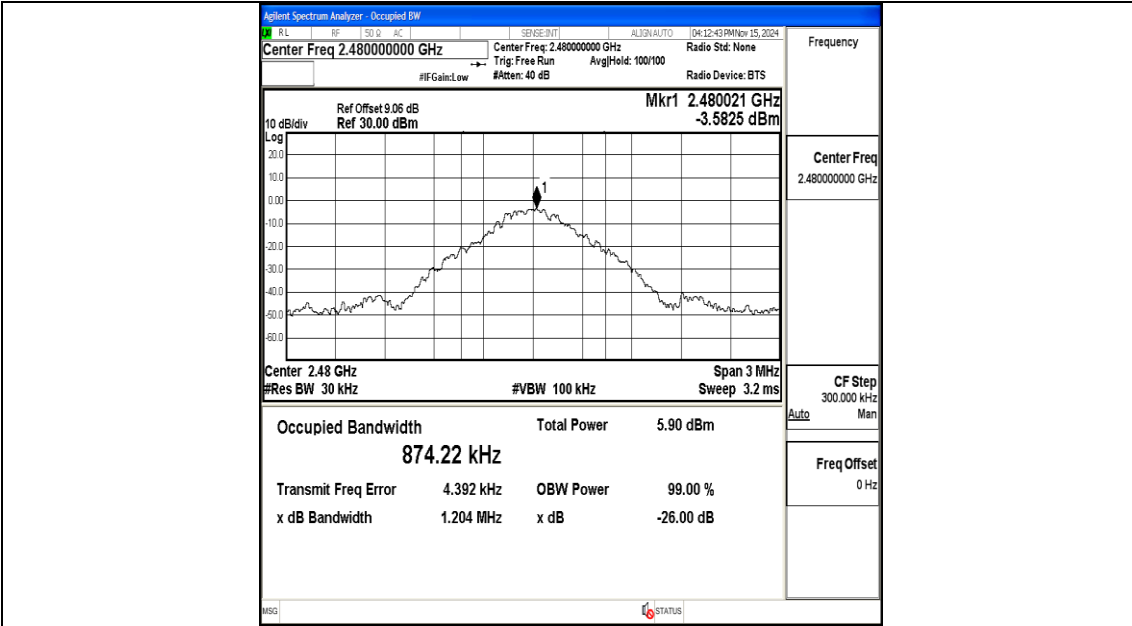
## Appendix B: Occupied Channel Bandwidth

### Test Result

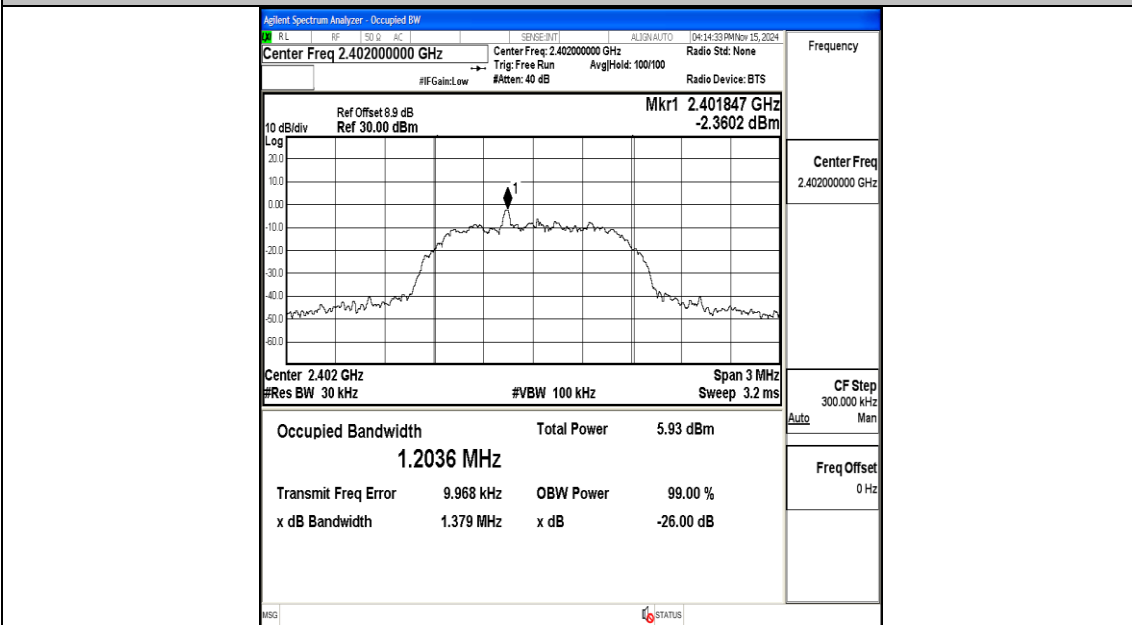
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.89463	2401.5570	2402.4516	---	---
DH5	Ant1	2441	0.85715	2440.5751	2441.4323	---	---
DH5	Ant1	2480	0.87422	2479.5673	2480.4415	---	---
2DH5	Ant1	2402	1.2036	2401.4082	2402.6118	---	---
2DH5	Ant1	2441	1.1824	2440.4127	2441.5951	---	---
2DH5	Ant1	2480	1.1955	2479.4094	2480.6049	---	---

### Test Graphs

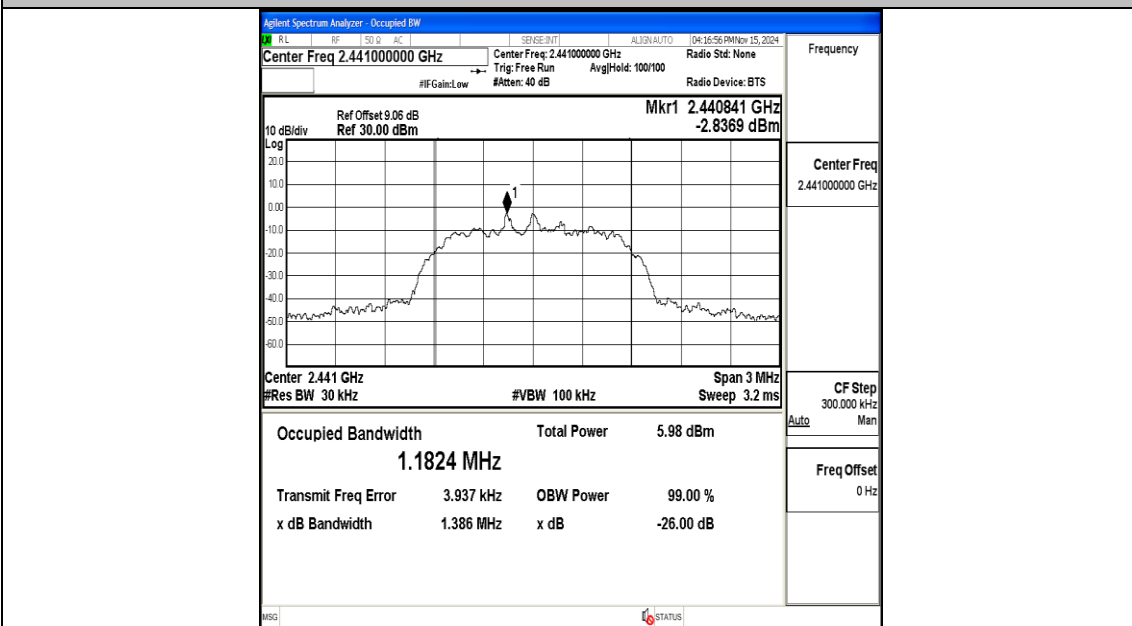




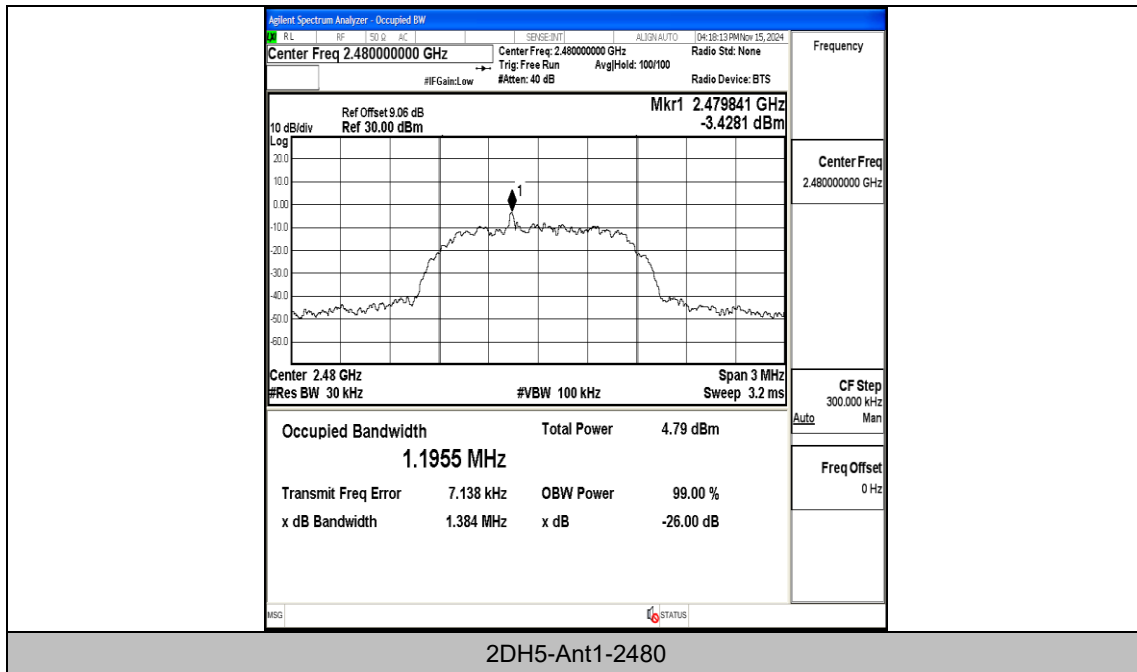
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441



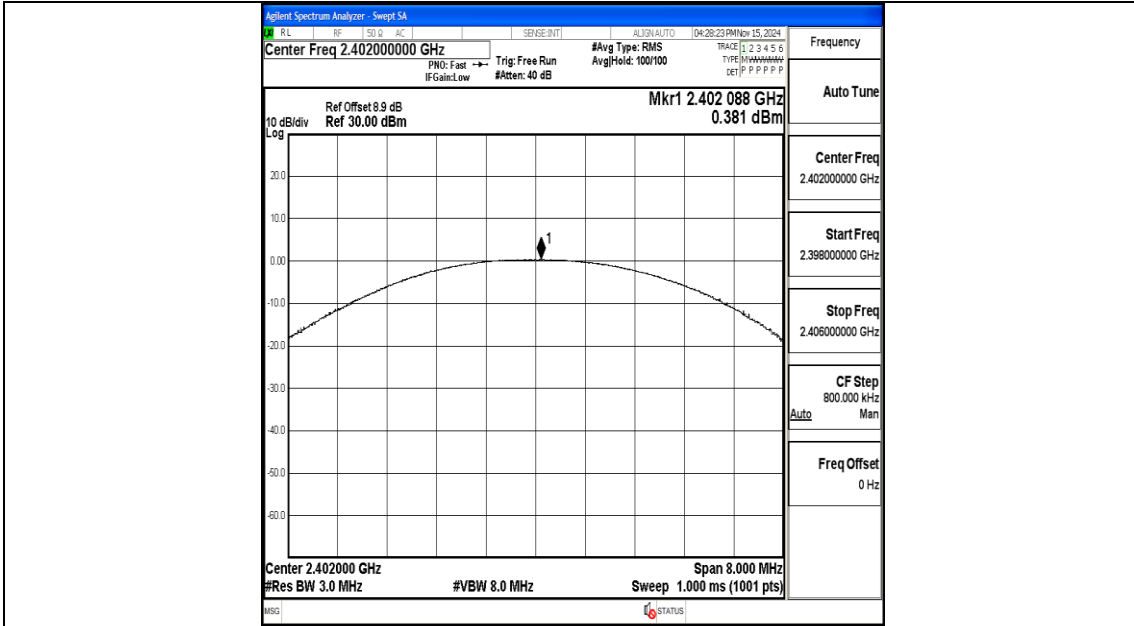


## Appendix C: Maximum peak conducted output power

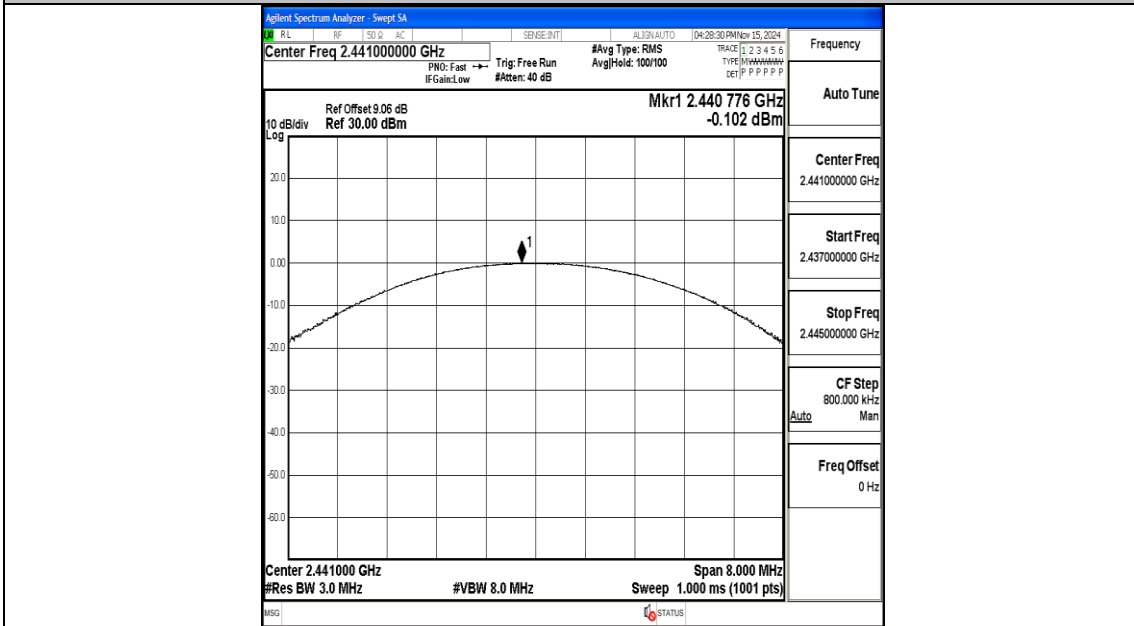
### Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	0.38	≤20.97	PASS
DH5	Ant1	2441	-0.10	≤20.97	PASS
DH5	Ant1	2480	-0.53	≤20.97	PASS
2DH5	Ant1	2402	1.16	≤20.97	PASS
2DH5	Ant1	2441	0.63	≤20.97	PASS
2DH5	Ant1	2480	0.16	≤20.97	PASS

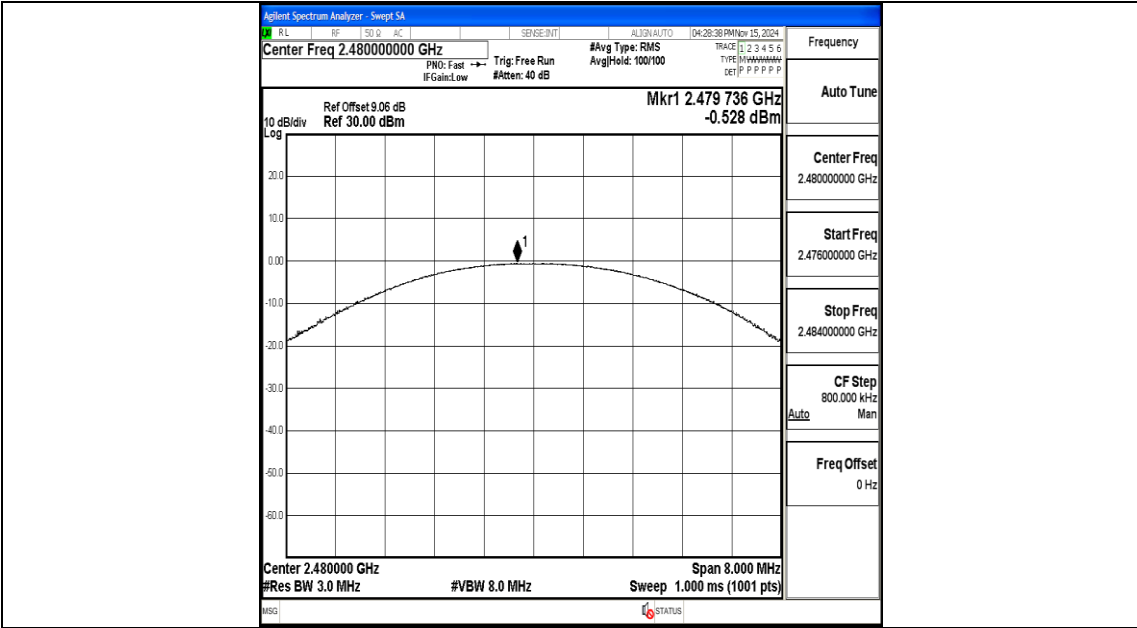
### Test Graphs



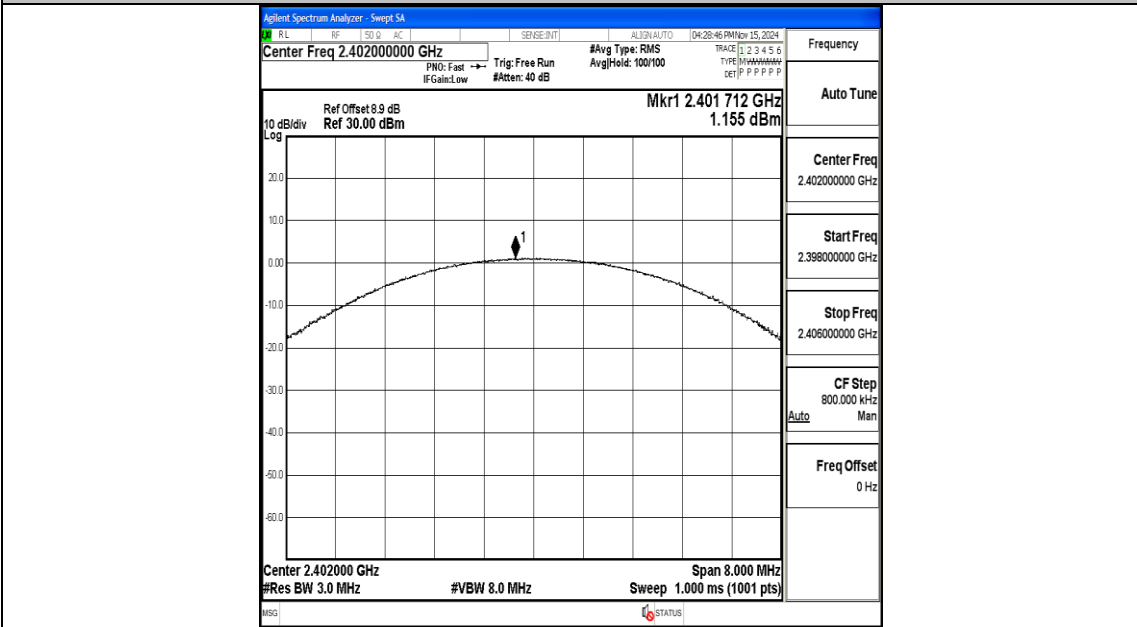
DH5-Ant1-2402-PASS



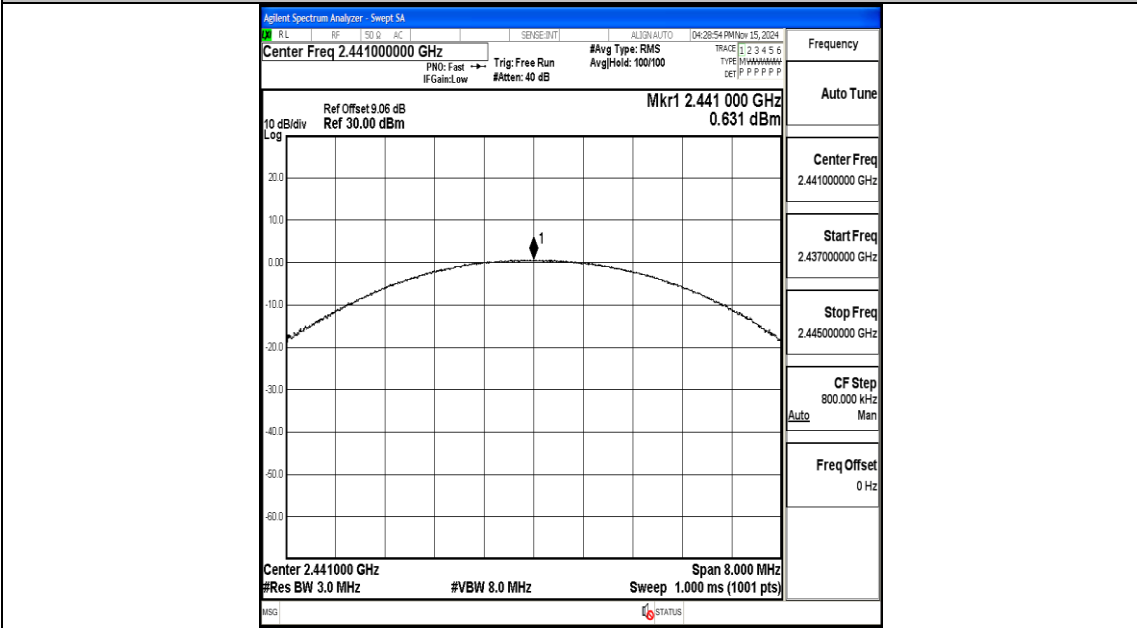
DH5-Ant1-2441-PASS



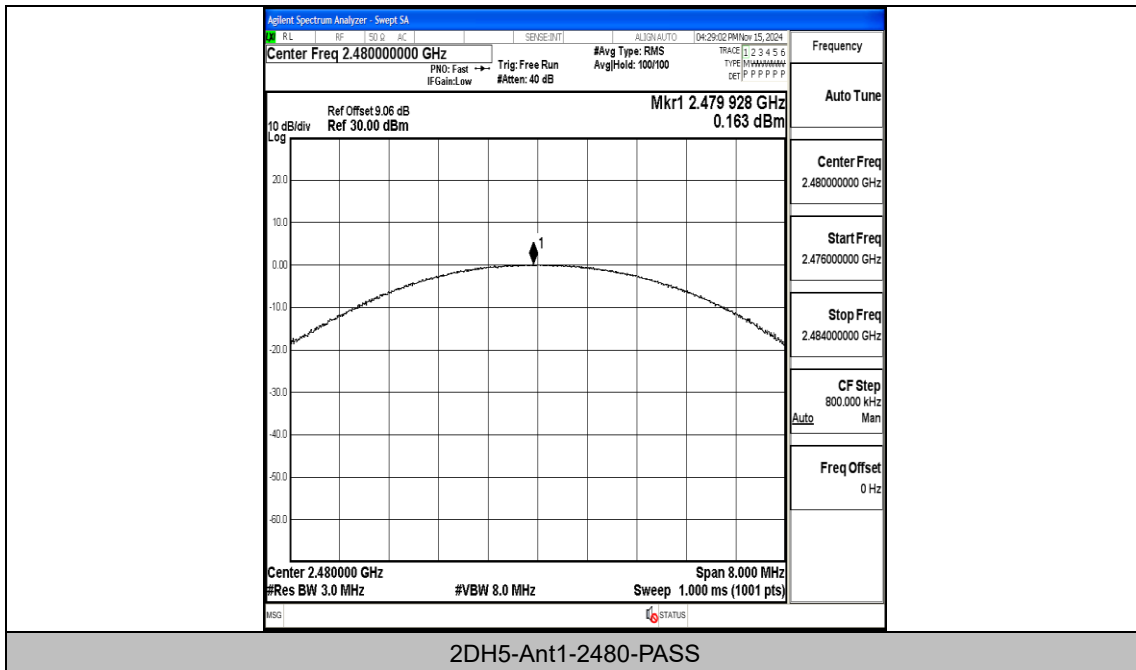
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

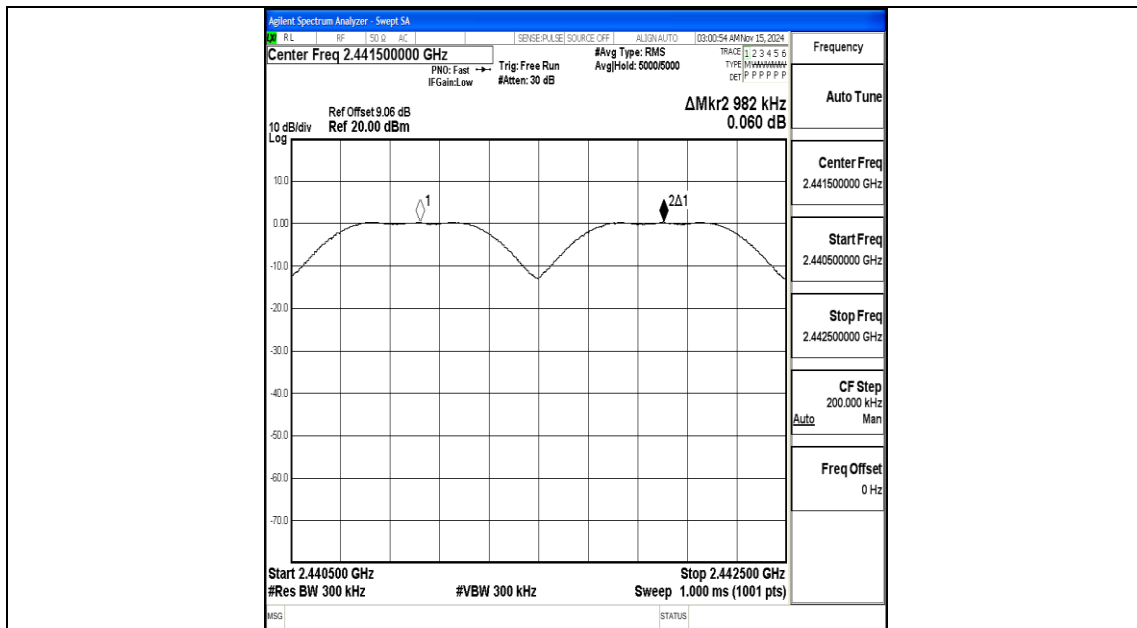


## Appendix D: Carrier frequency separation

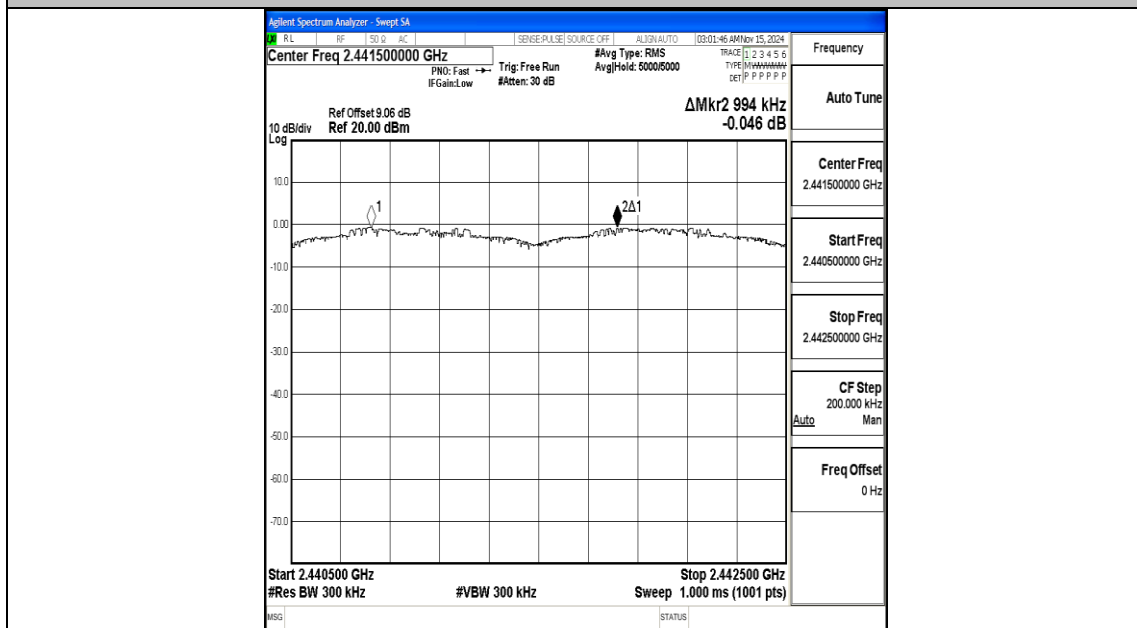
### Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.982	≥0.680	PASS
2DH5	Ant1	Hop	0.994	≥0.880	PASS

### Test Graphs



DH5-Ant1-Hop-PASS



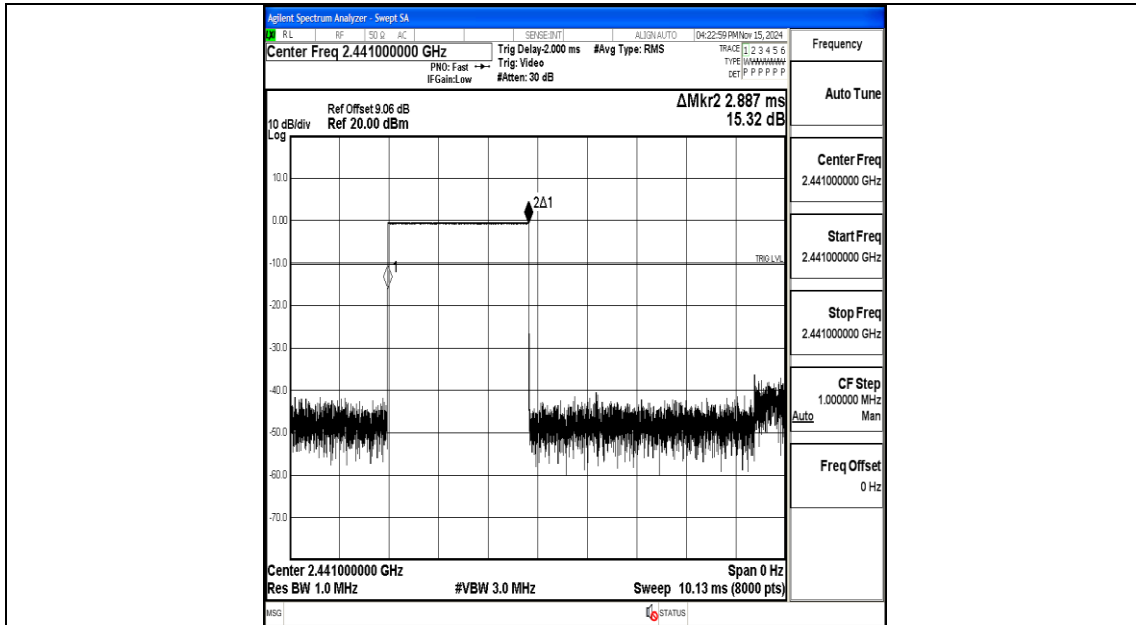
2DH5-Ant1-Hop-PASS

## Appendix E: Time of occupancy

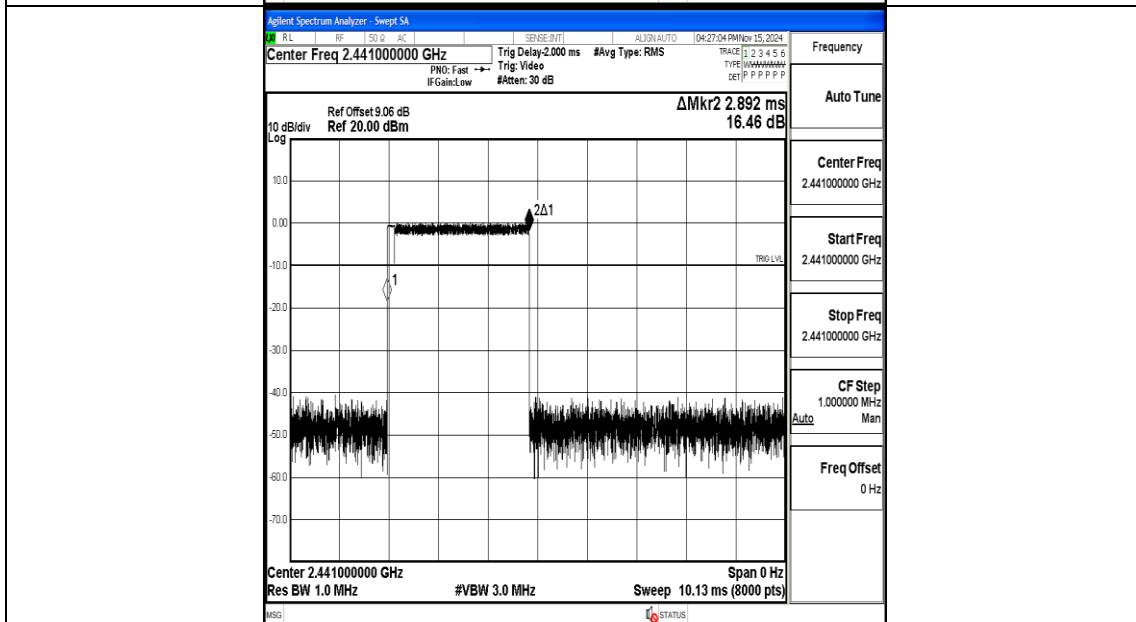
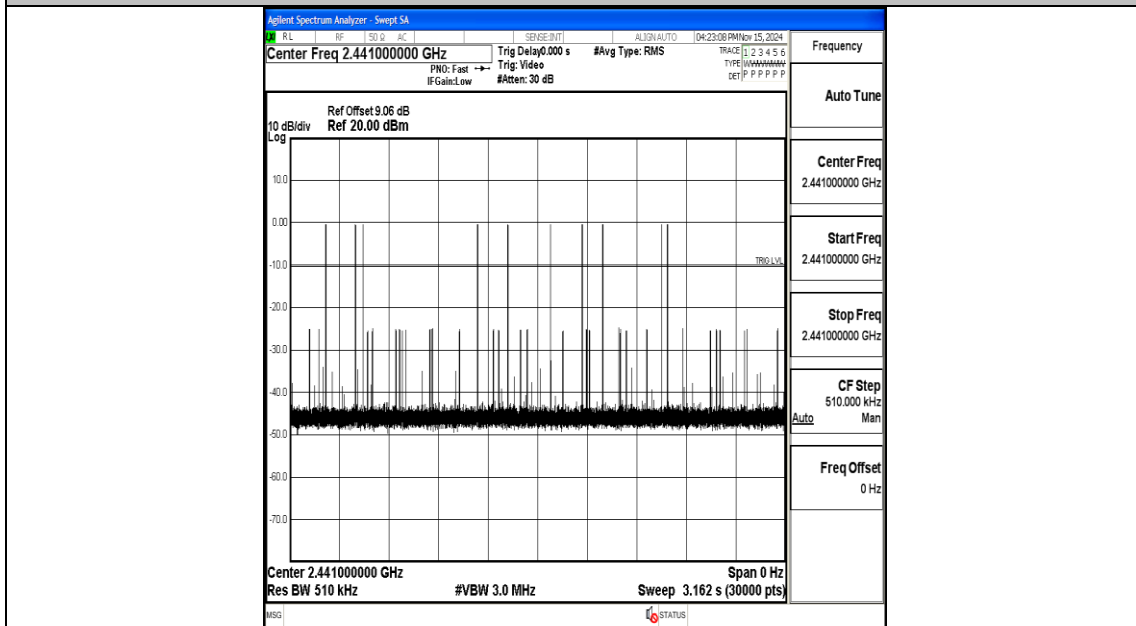
### Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.887	110	0.318	≤0.4	PASS
2DH5	Ant1	Hop	2.892	130	0.376	≤0.4	PASS

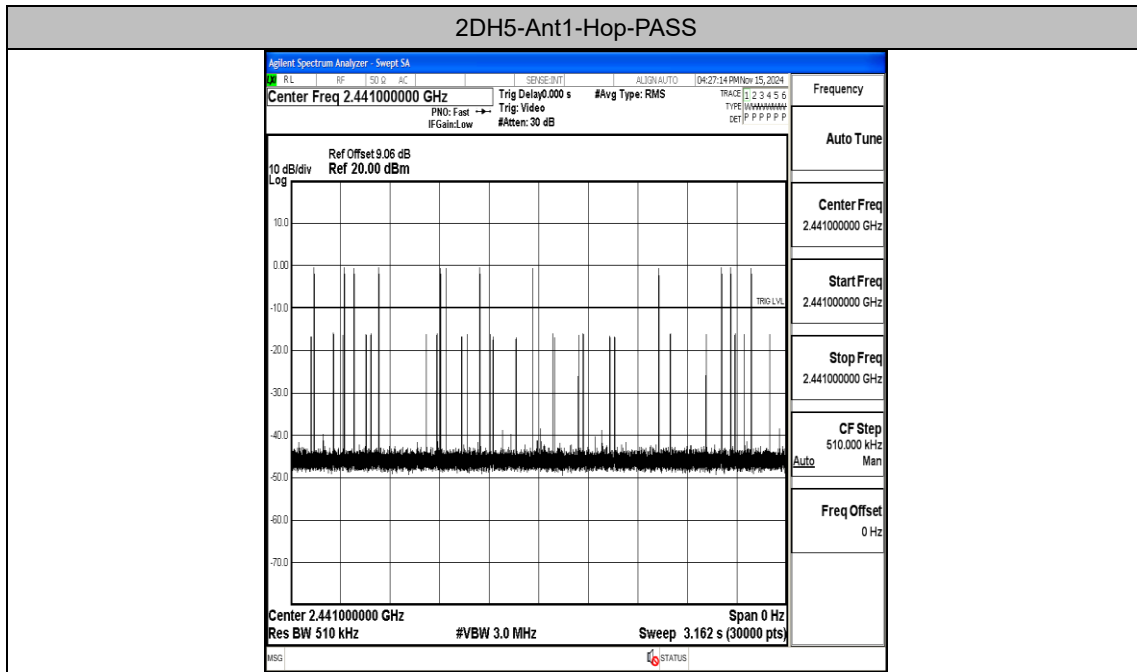
### Test Graphs



### DH5-Ant1-Hop-PASS





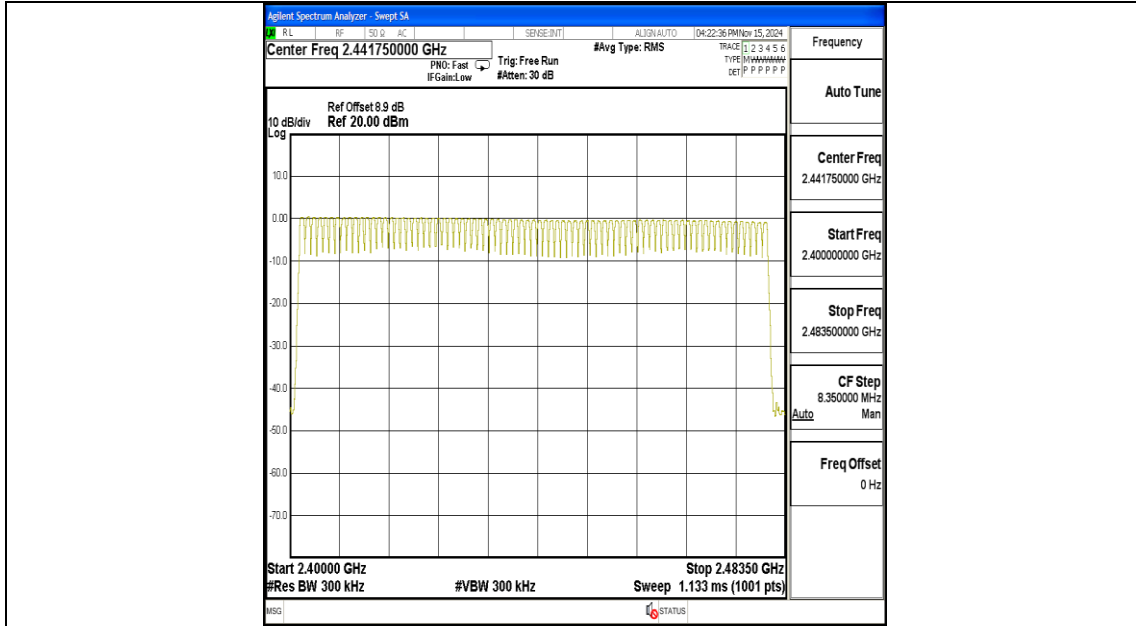


## Appendix F: Number of hopping channels

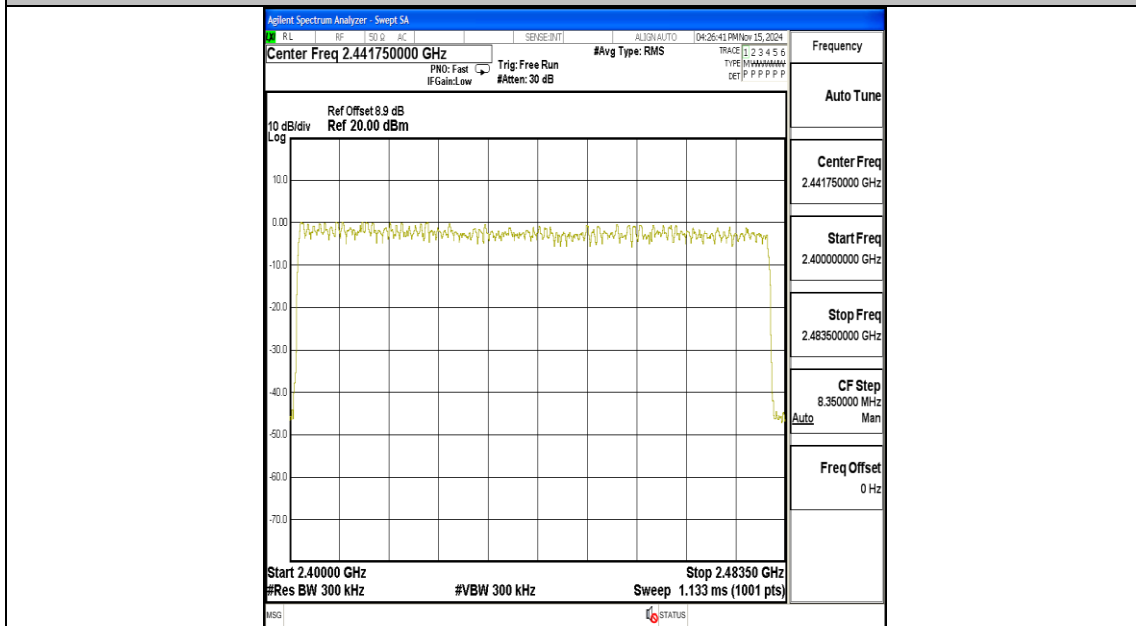
### Test Result

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

### Test Graphs



DH5-Ant1-Hop-PASS



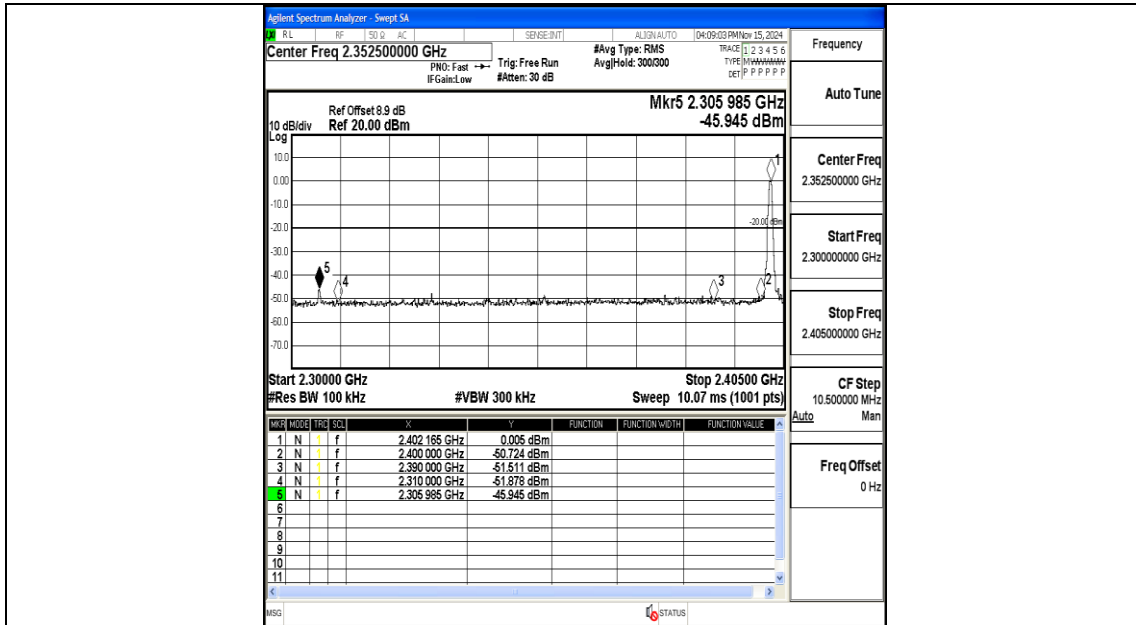
2DH5-Ant1-Hop-PASS

## Appendix G: Band edge measurements

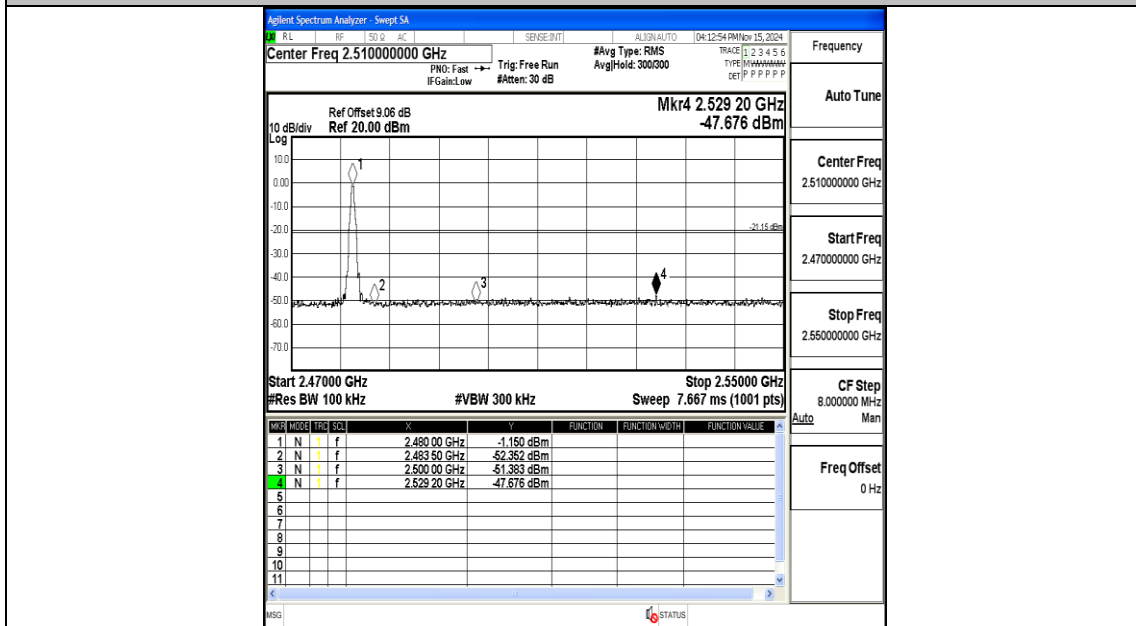
### Test Result

Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.01	-45.95	≤-20	PASS
DH5	Ant1	High	2480	-1.15	-47.68	≤-21.15	PASS
DH5	Ant1	Low	Hop_2402	-0.66	-45.98	≤-20.66	PASS
DH5	Ant1	High	Hop_2480	-1.01	-45.54	≤-21.01	PASS
2DH5	Ant1	Low	2402	-0.02	-45.87	≤-20.02	PASS
2DH5	Ant1	High	2480	-0.95	-48.23	≤-20.95	PASS
2DH5	Ant1	Low	Hop_2402	-0.25	-47.72	≤-20.25	PASS
2DH5	Ant1	High	Hop_2480	-0.80	-47.73	≤-20.8	PASS

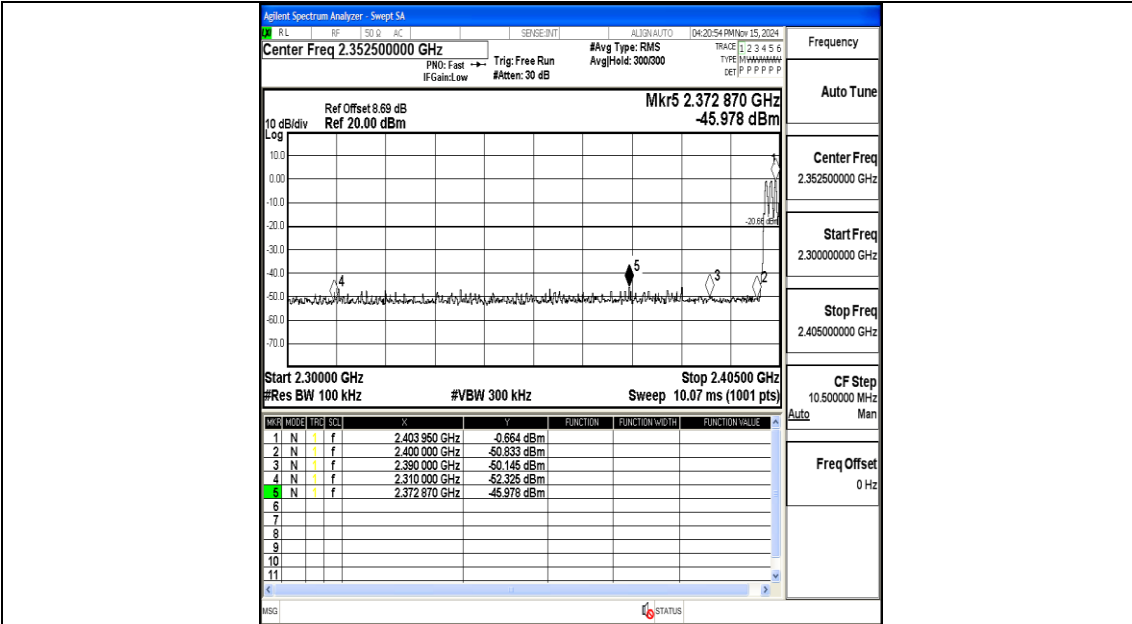
### Test Graphs



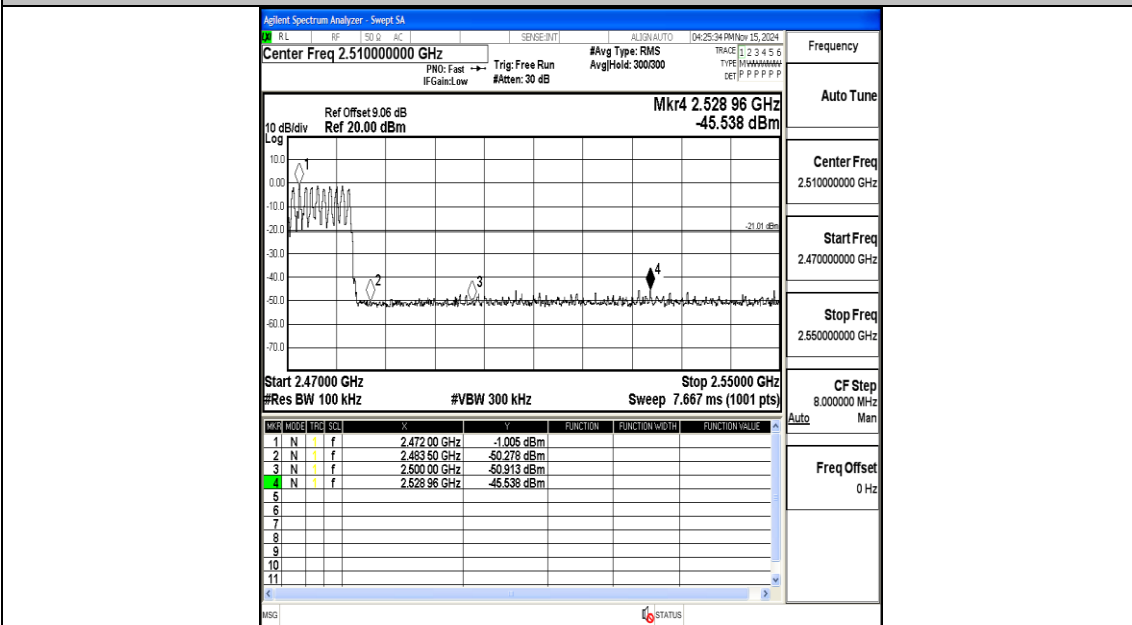
DH5-Ant1-2402-PASS



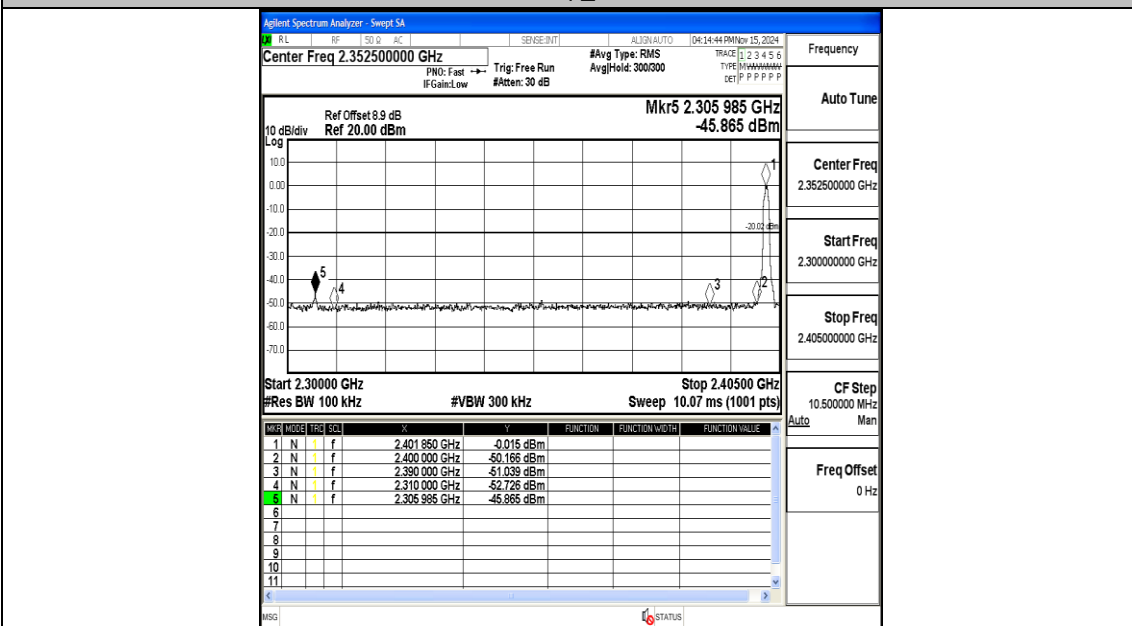
DH5-Ant1-2480-PASS



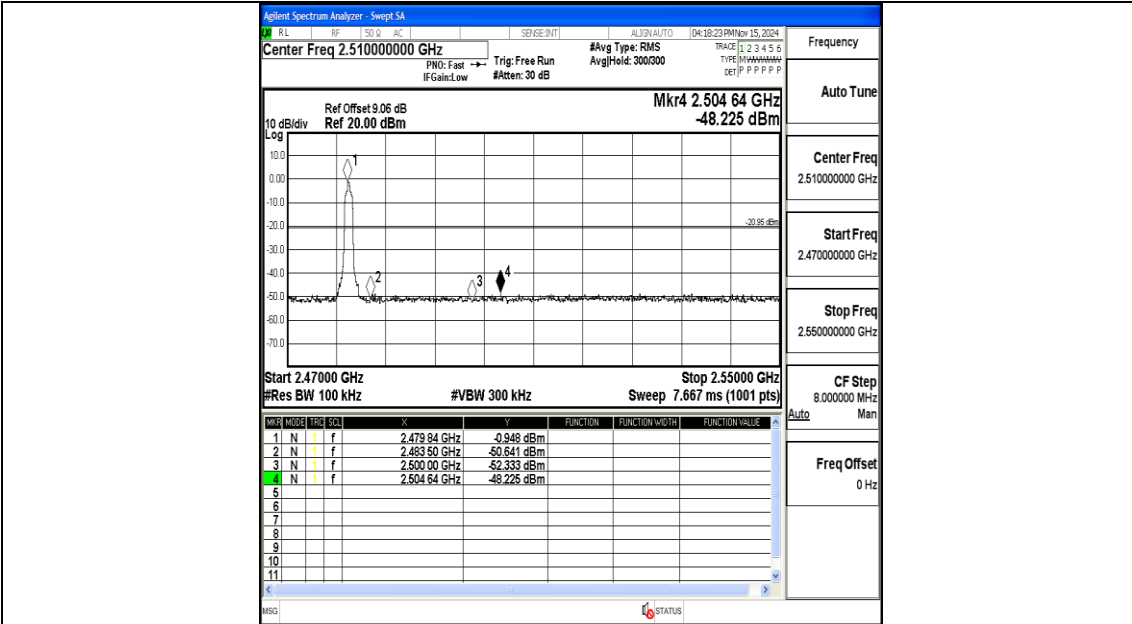
DH5-Ant1-Hop\_2402-PASS



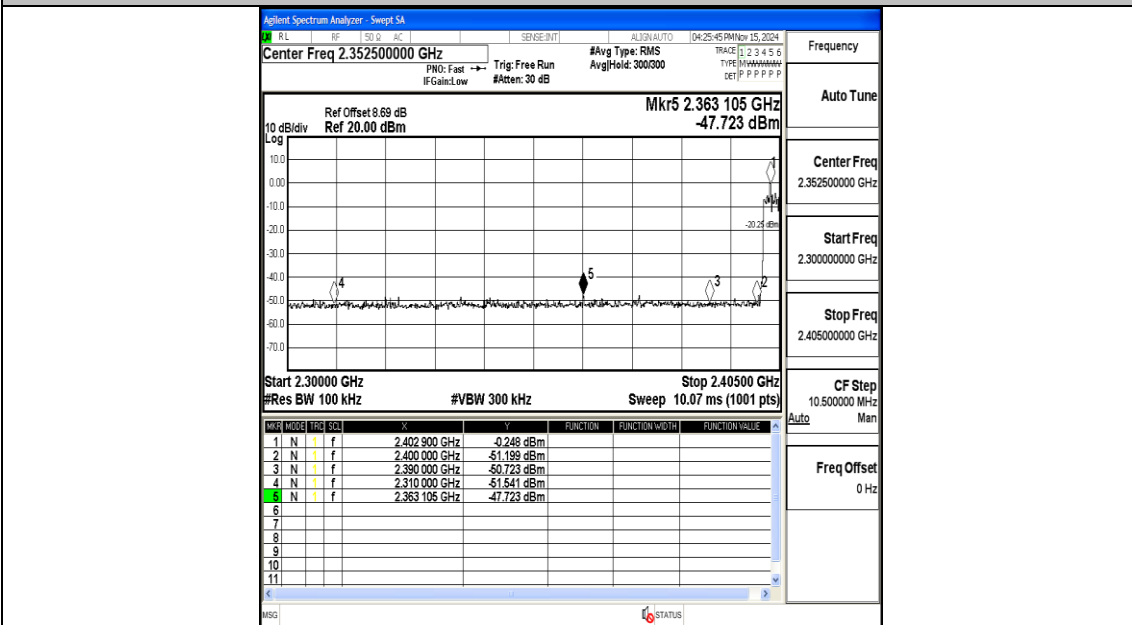
DH5-Ant1-Hop\_2480-PASS



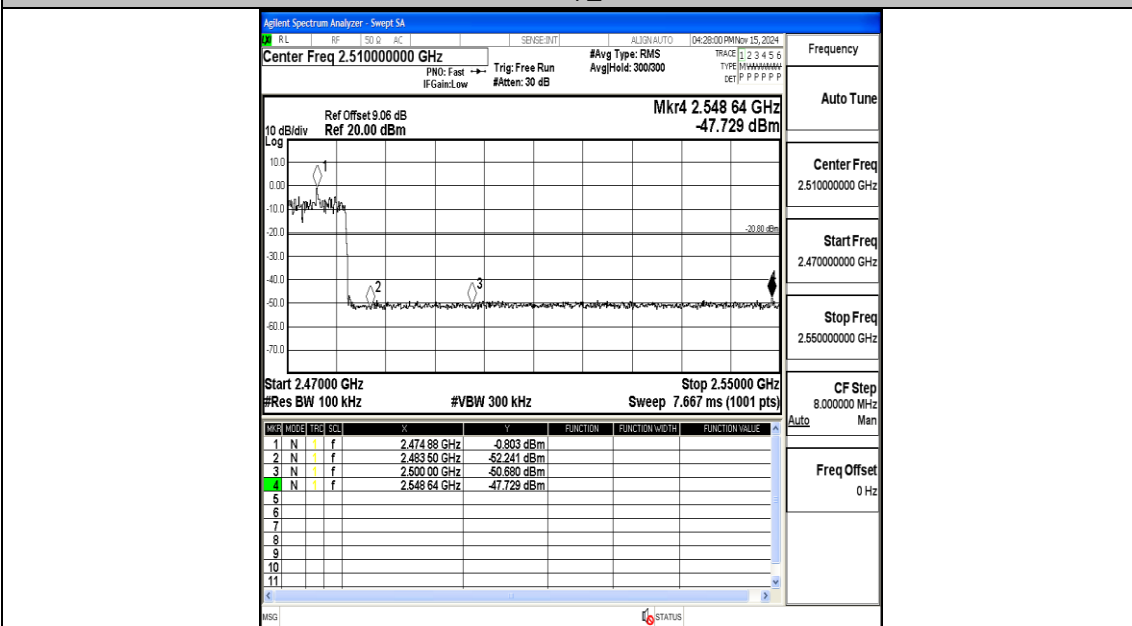
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop\_2402-PASS



2DH5-Ant1-Hop\_2480-PASS

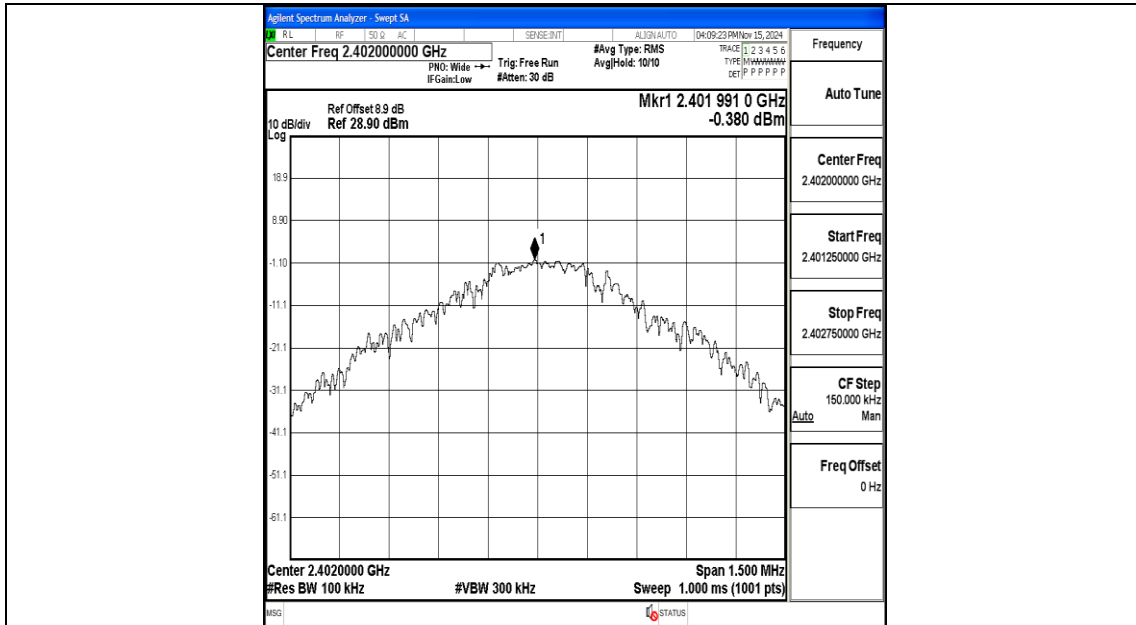
## Appendix H: Conducted Spurious Emission

### Test Result

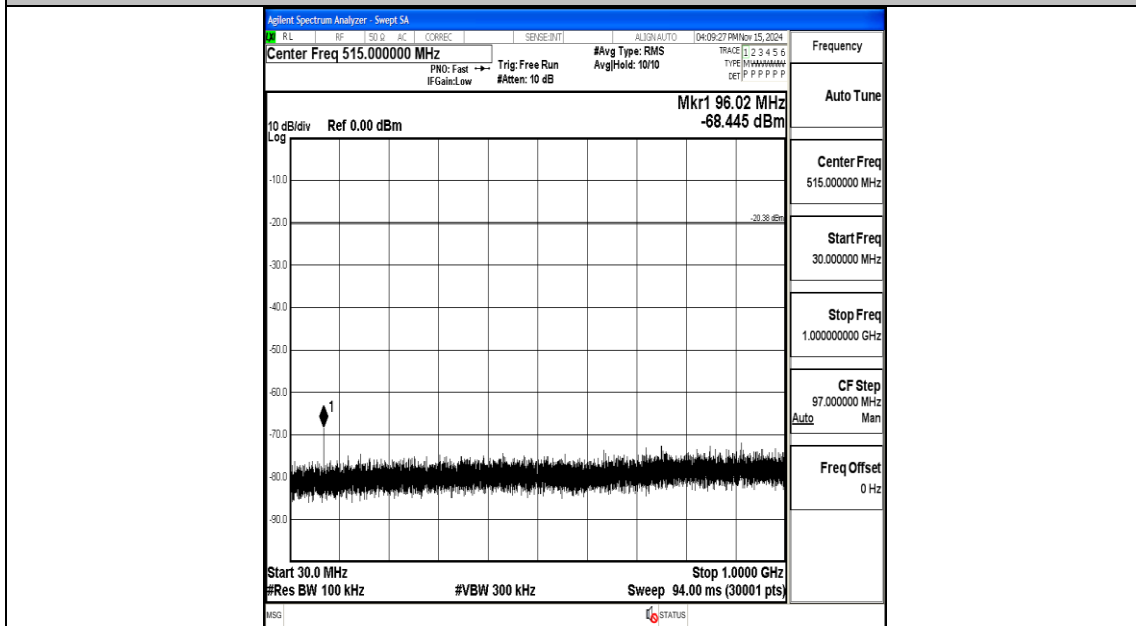
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.38	-0.38	---	PASS
DH5	Ant1	2402	30~1000	-0.38	-68.45	≤-20.38	PASS
DH5	Ant1	2402	1000~26500	-0.38	-47.36	≤-20.38	PASS
DH5	Ant1	2441	0~Reference	-1.07	-1.07	---	PASS
DH5	Ant1	2441	30~1000	-1.07	-72.71	≤-21.07	PASS
DH5	Ant1	2441	1000~26500	-1.07	-46.04	≤-21.07	PASS
DH5	Ant1	2480	0~Reference	-1.60	-1.60	---	PASS
DH5	Ant1	2480	30~1000	-1.60	-72.23	≤-21.6	PASS
DH5	Ant1	2480	1000~26500	-1.60	-43.06	≤-21.6	PASS
2DH5	Ant1	2402	0~Reference	-1.98	-1.98	---	PASS
2DH5	Ant1	2402	30~1000	-1.98	-70.2	≤-21.98	PASS
2DH5	Ant1	2402	1000~26500	-1.98	-47.19	≤-21.98	PASS
2DH5	Ant1	2441	0~Reference	-4.52	-4.52	---	PASS
2DH5	Ant1	2441	30~1000	-4.52	-73.05	≤-24.52	PASS
2DH5	Ant1	2441	1000~26500	-4.52	-45.93	≤-24.52	PASS
2DH5	Ant1	2480	0~Reference	-3.43	-3.43	---	PASS
2DH5	Ant1	2480	30~1000	-3.43	-69.9	≤-23.43	PASS
2DH5	Ant1	2480	1000~26500	-3.43	-43.04	≤-23.43	PASS



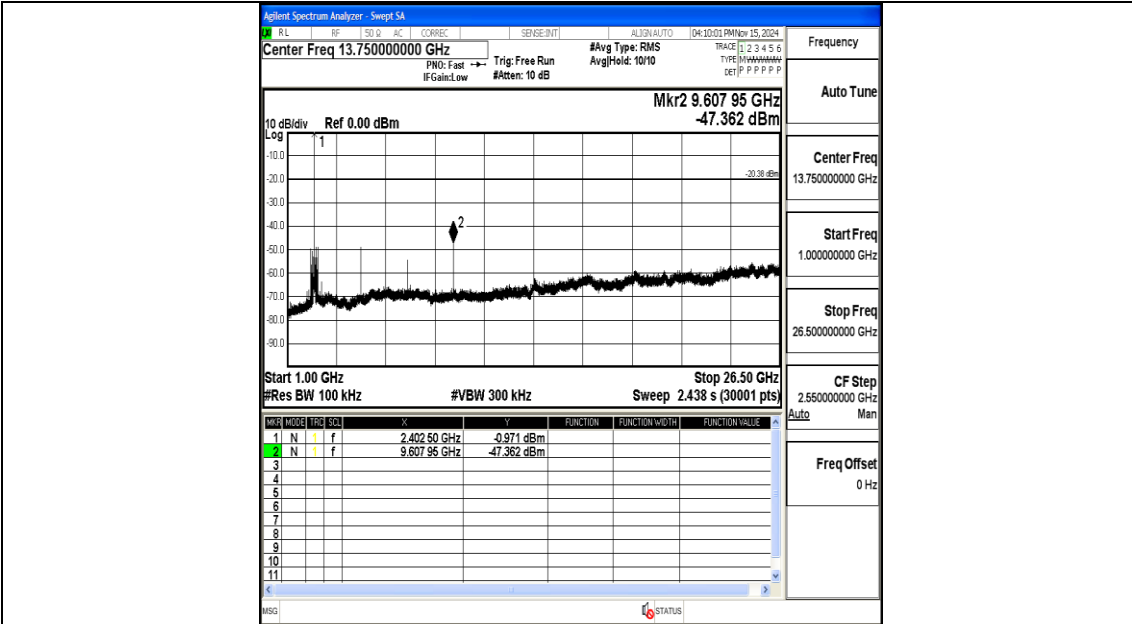
### Test Graphs



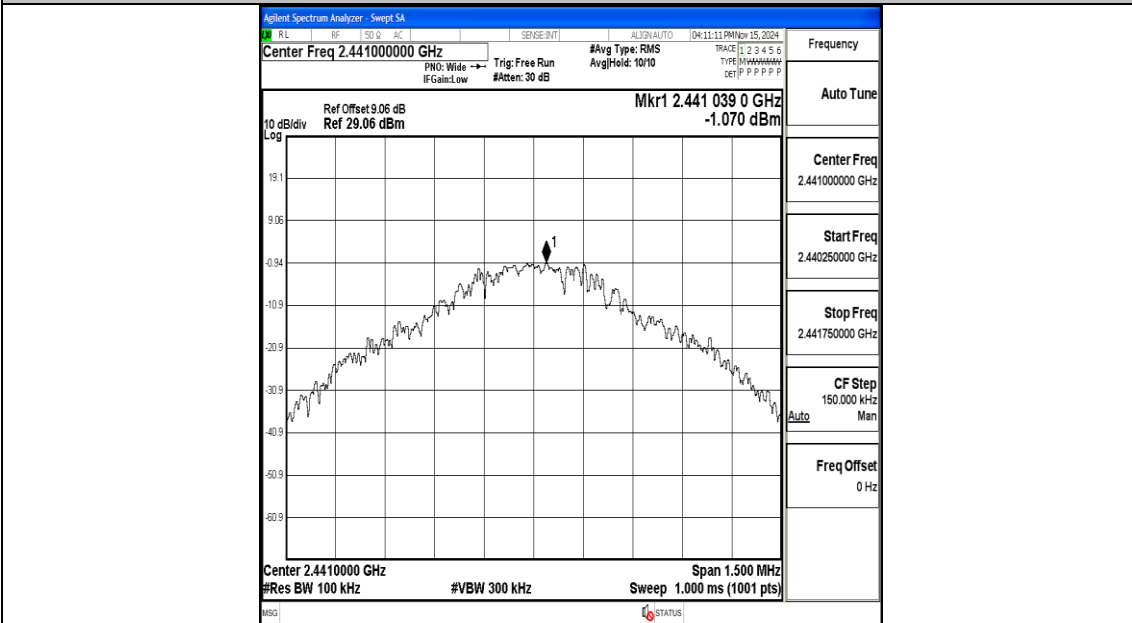
DH5-Ant1-2402-0~Reference-PASS



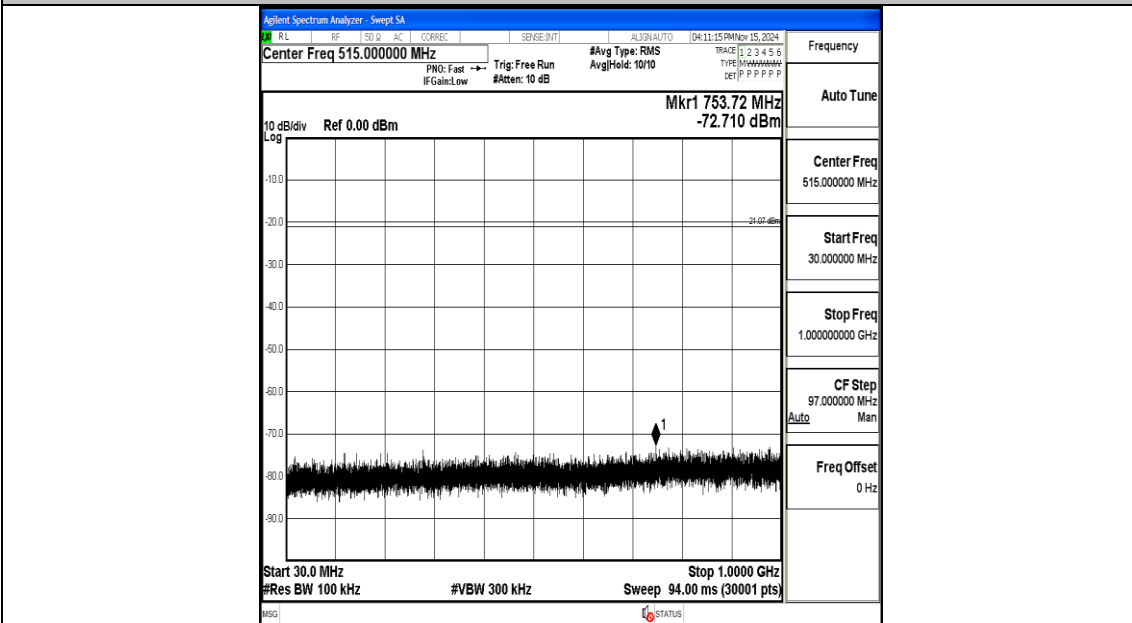
DH5-Ant1-2402-30~1000-PASS



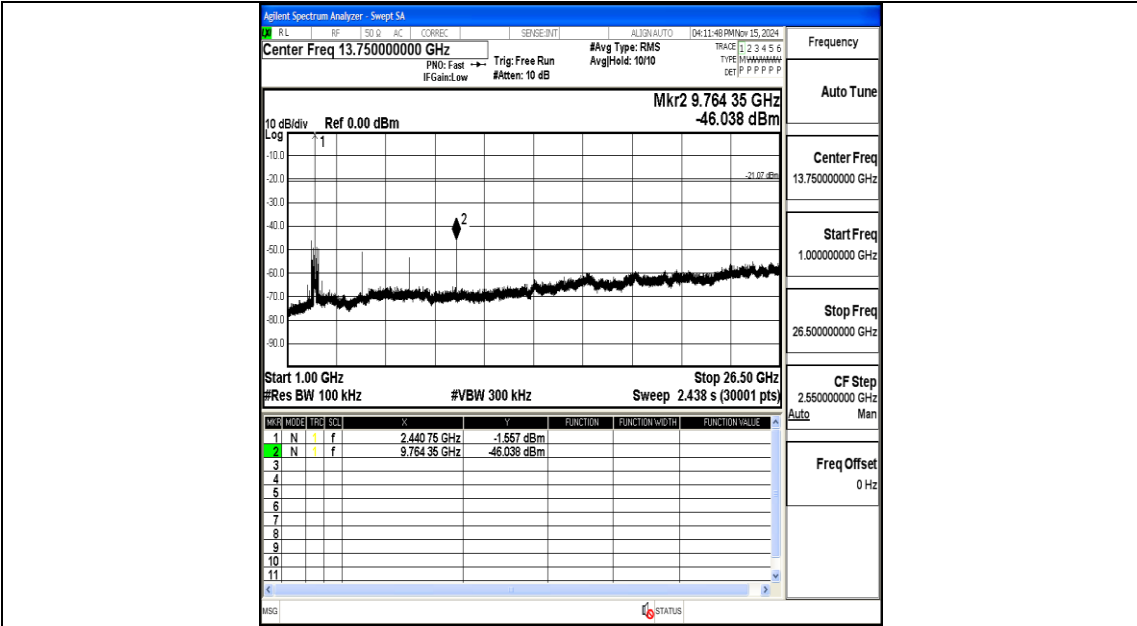
DH5-Ant1-2402-1000~26500-PASS



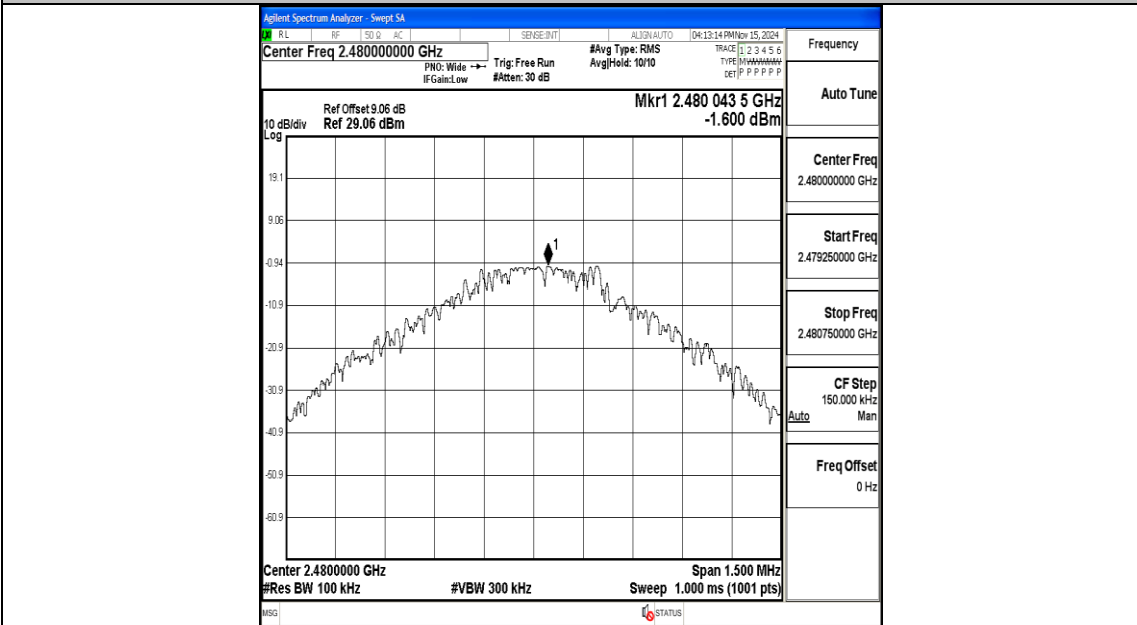
DH5-Ant1-2441-0~Reference-PASS



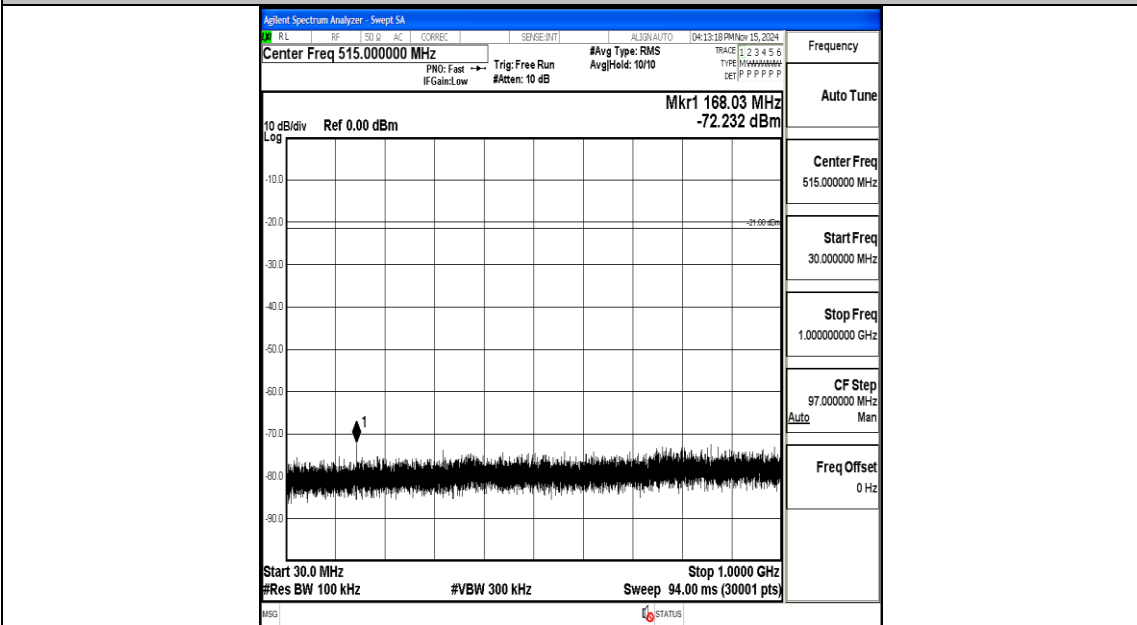
DH5-Ant1-2441-30~1000-PASS



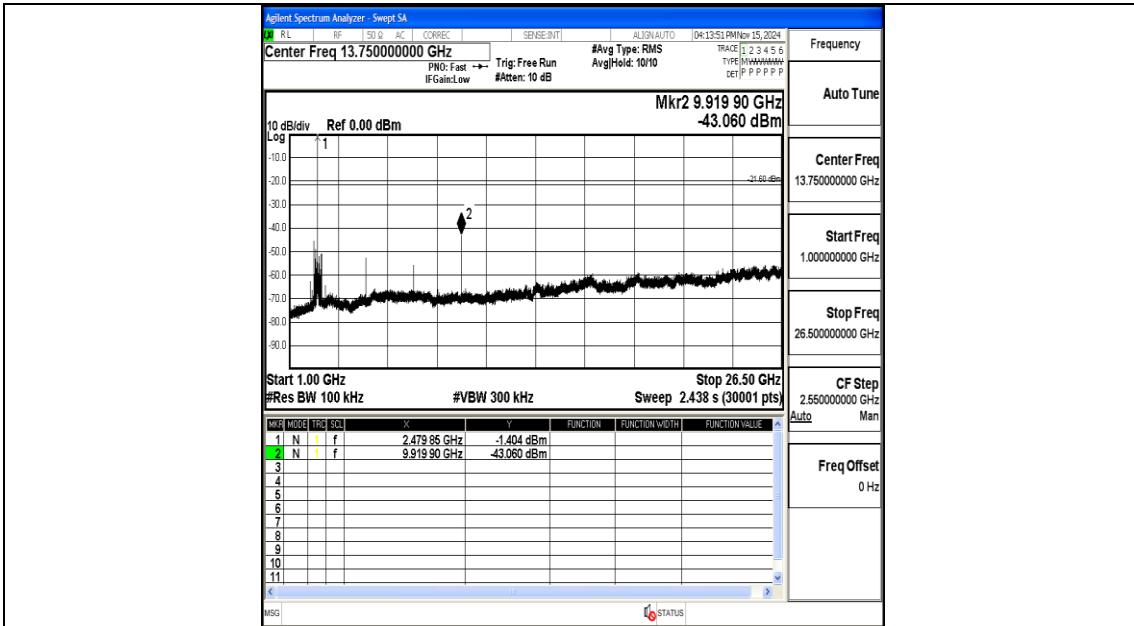
DH5-Ant1-2441-1000~26500-PASS



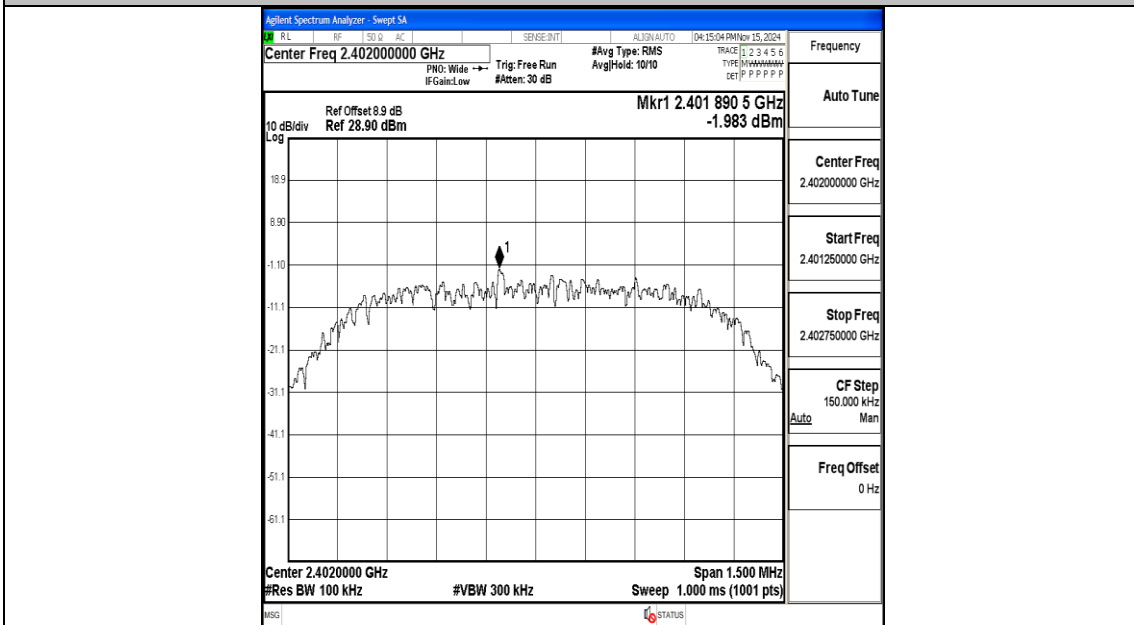
DH5-Ant1-2480-0~Reference-PASS



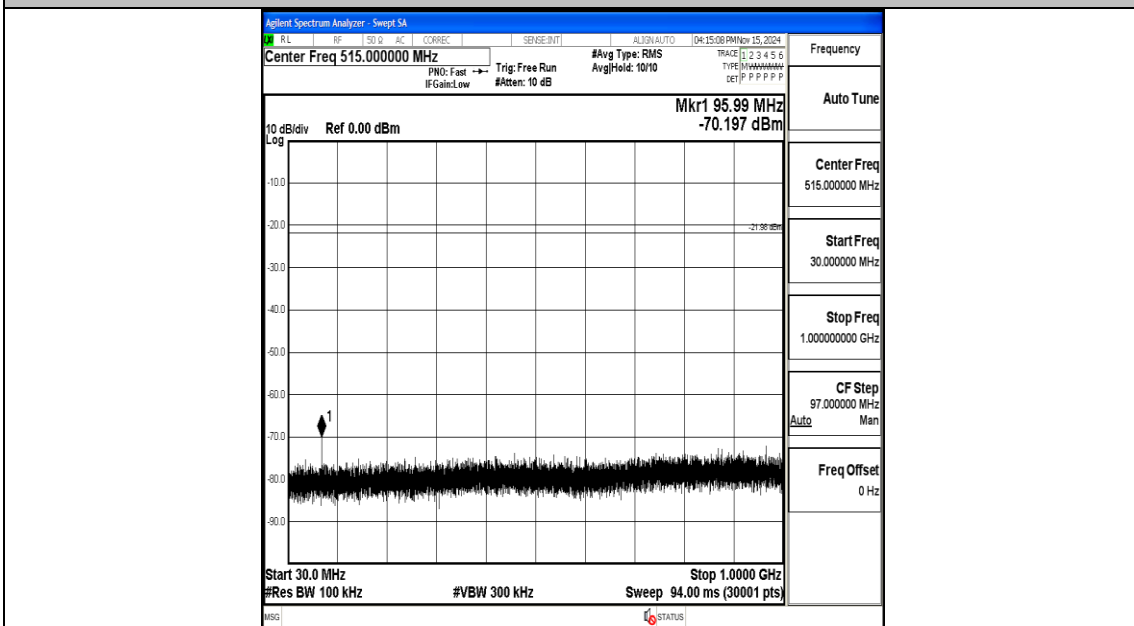
DH5-Ant1-2480-30~1000-PASS



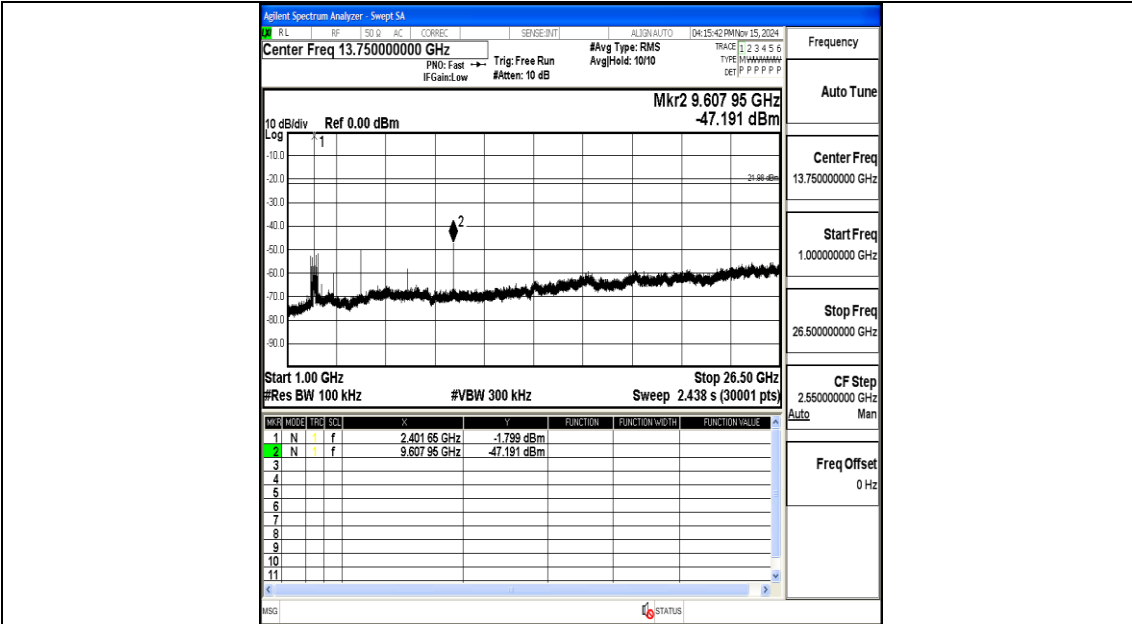
DH5-Ant1-2480-1000~26500-PASS



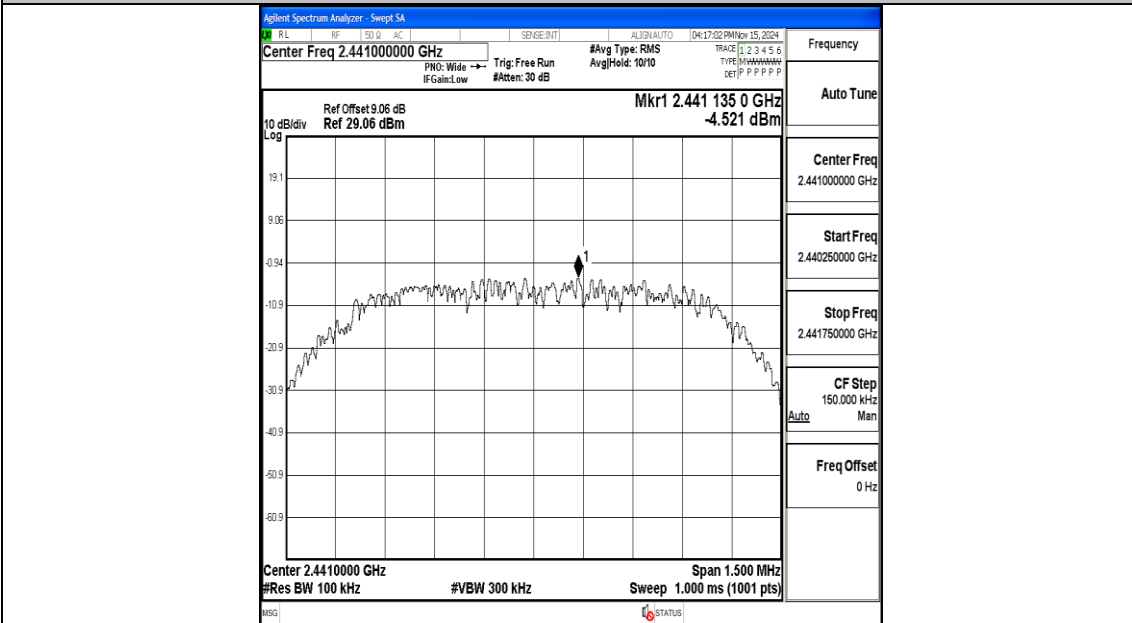
2DH5-Ant1-2402-0~Reference-PASS



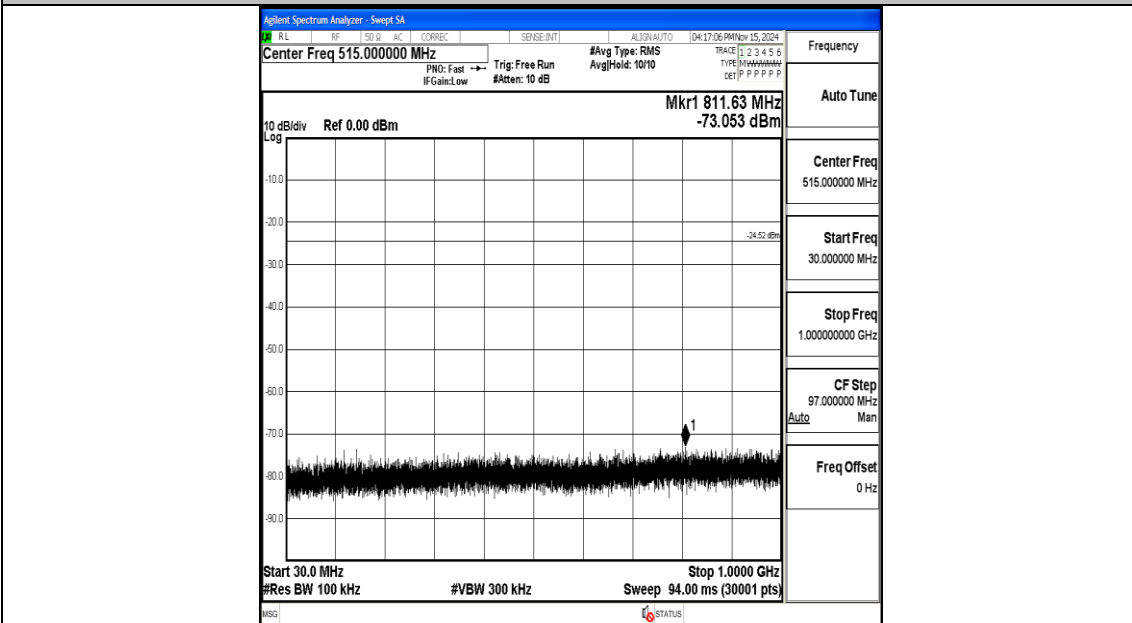
2DH5-Ant1-2402-30~1000-PASS



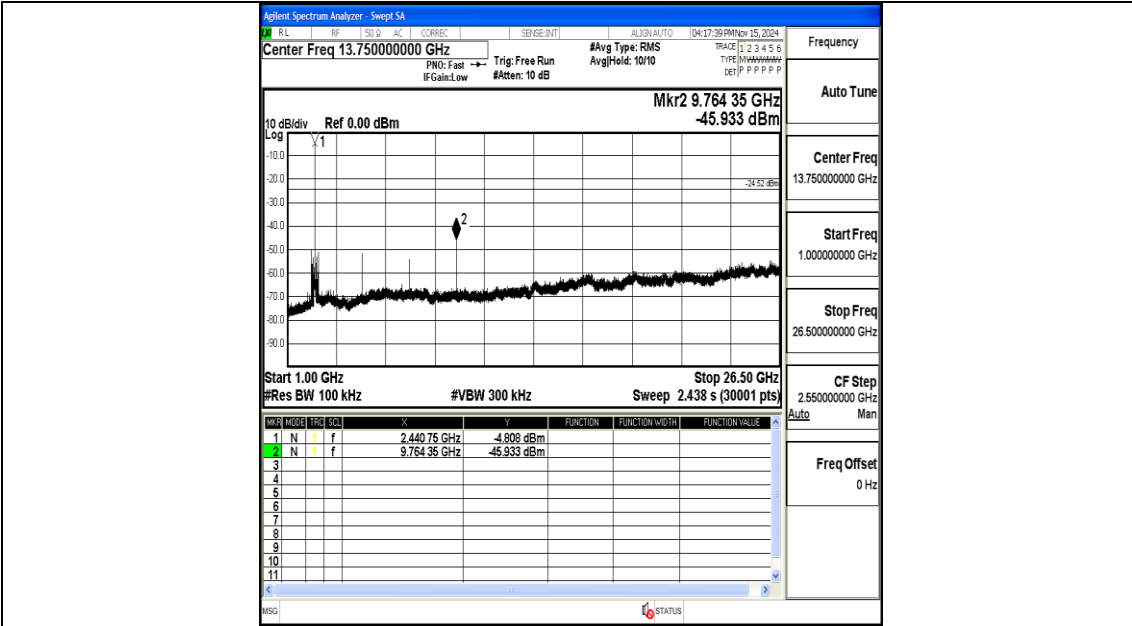
2DH5-Ant1-2402-1000~26500-PASS



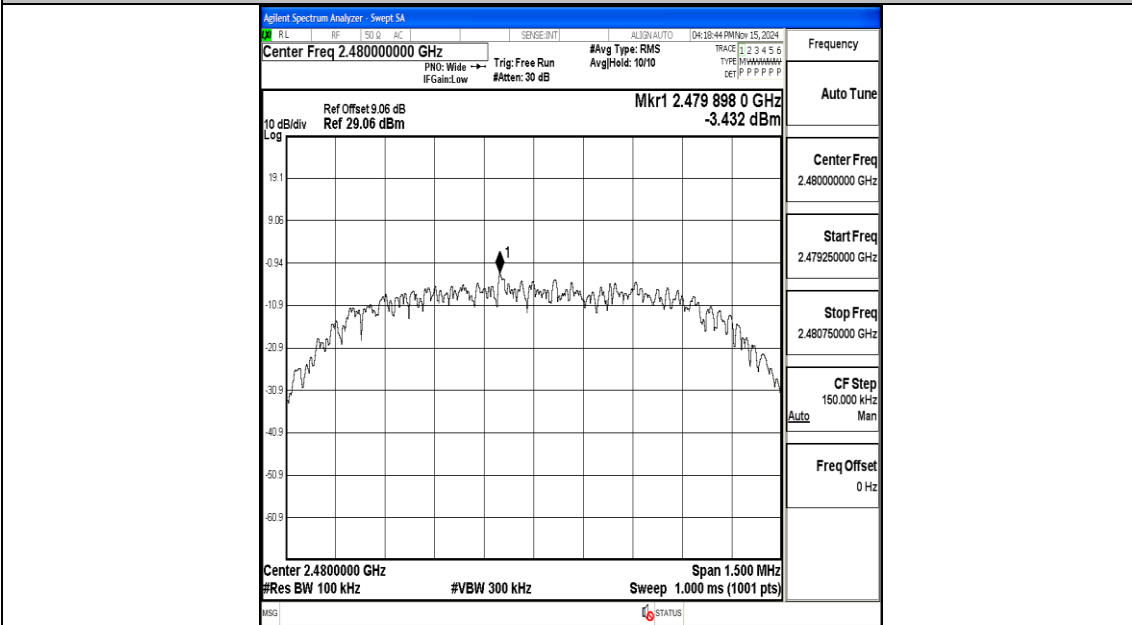
2DH5-Ant1-2441-0~Reference-PASS



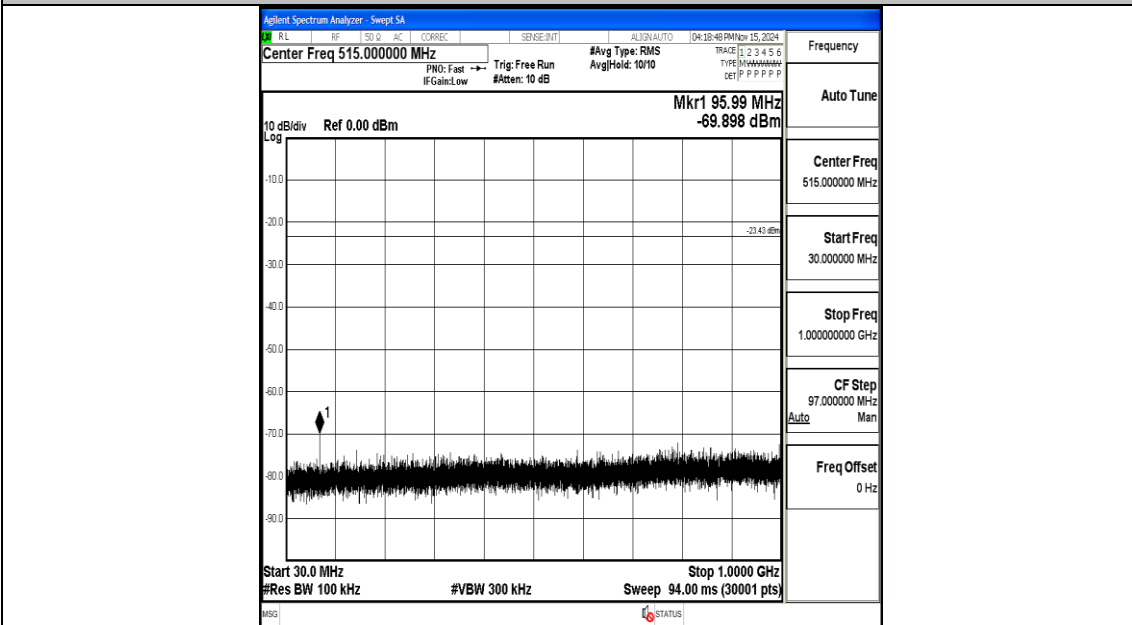
2DH5-Ant1-2441-30~1000-PASS



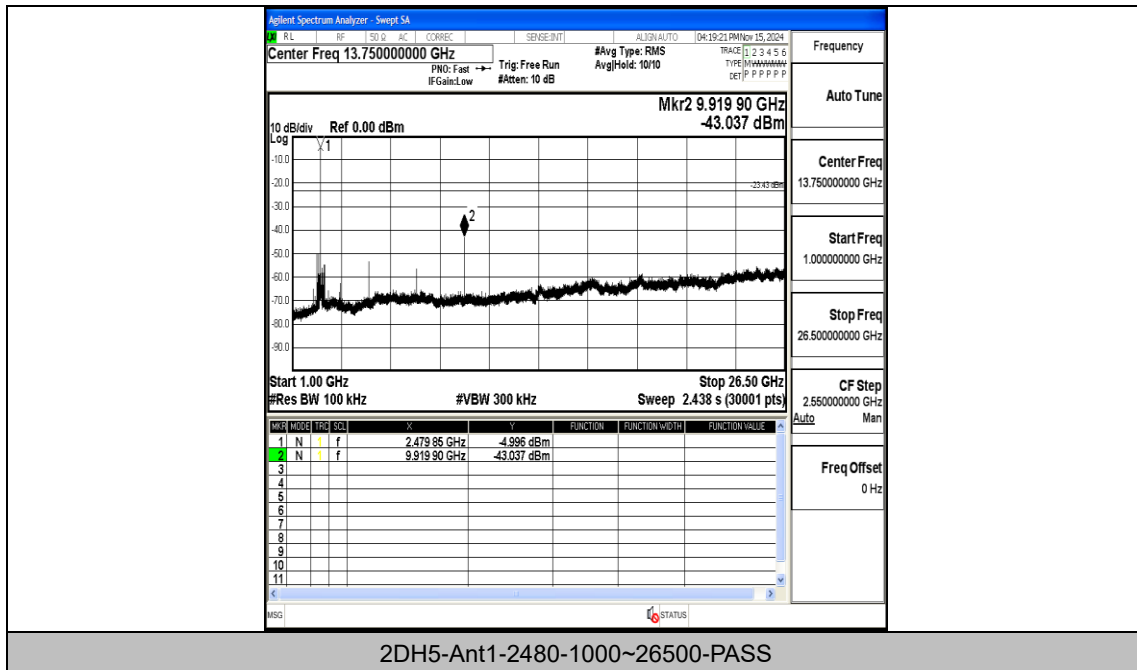
2DH5-Ant1-2441-1000~26500-PASS



2DH5-Ant1-2480-0~Reference-PASS



2DH5-Ant1-2480-30~1000-PASS



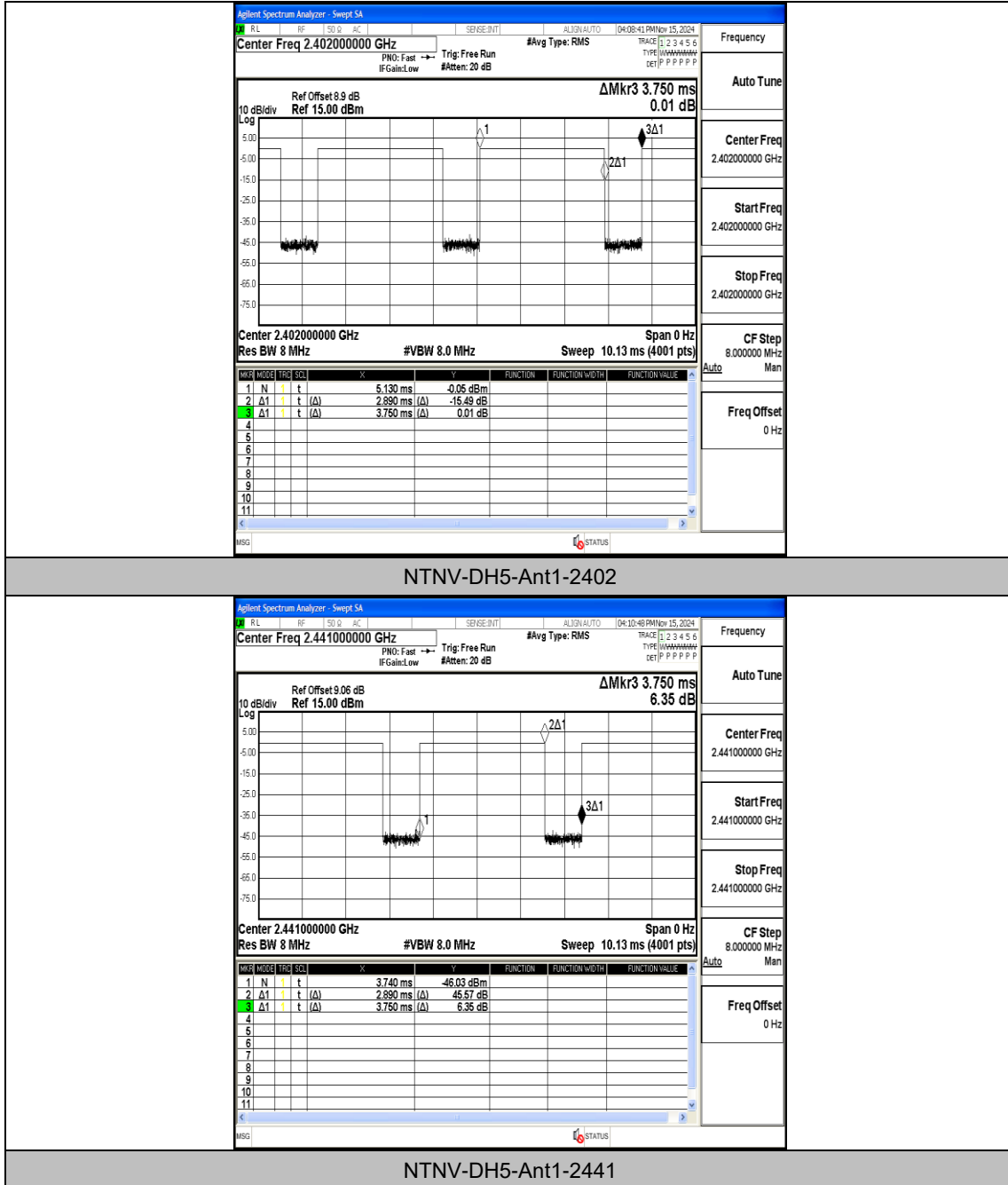
## Appendix I: Duty Cycle

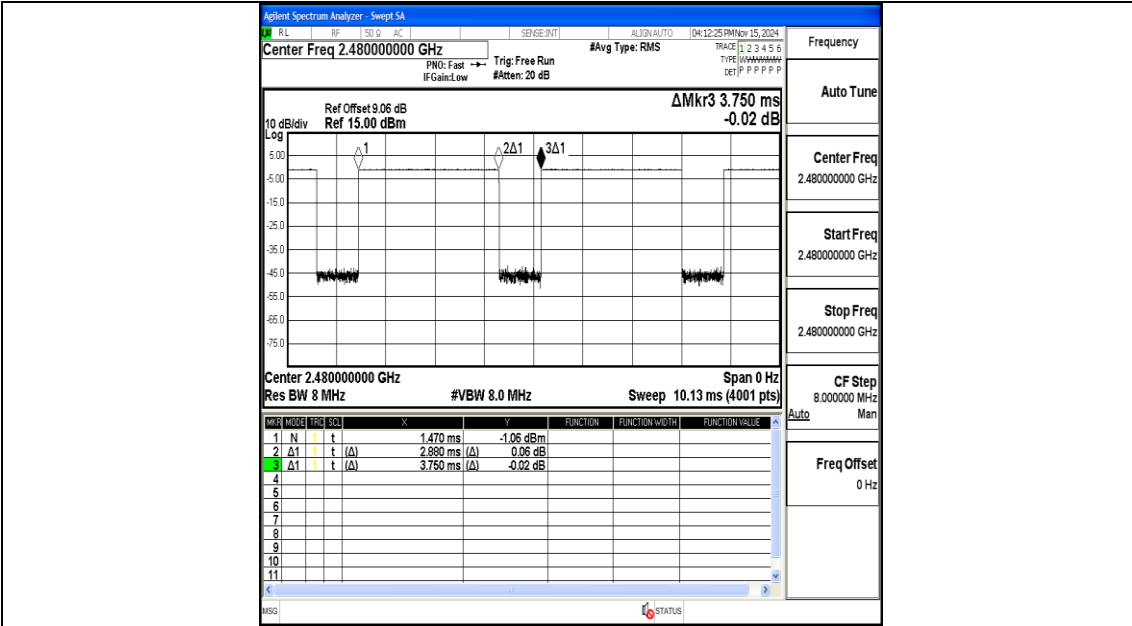
### Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.90	3.76	77.13	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13

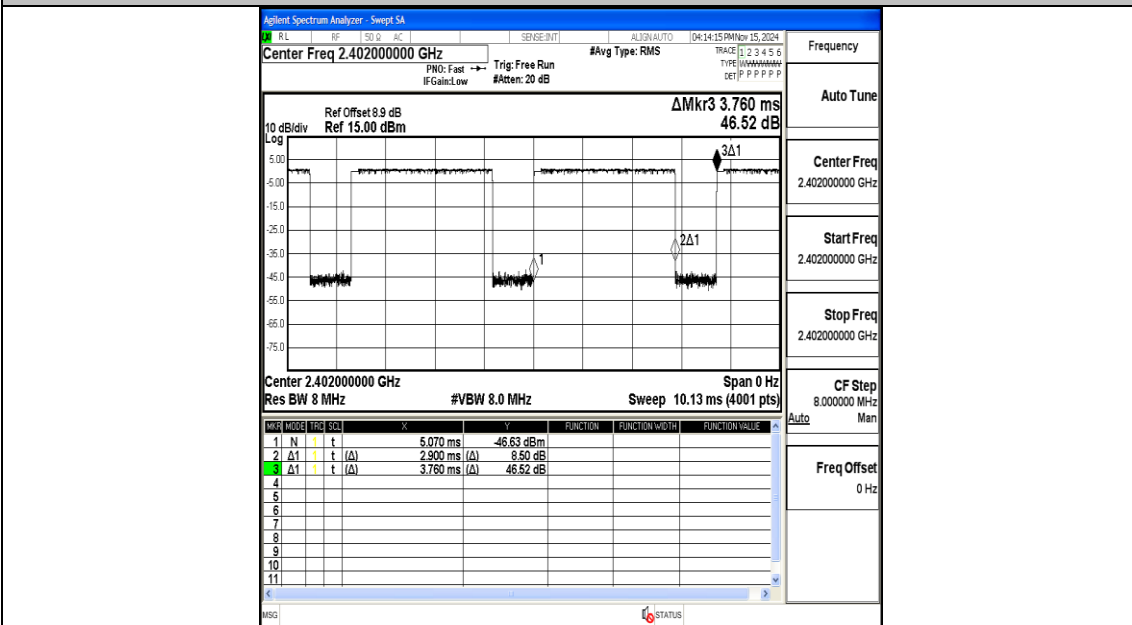


### Test Graphs

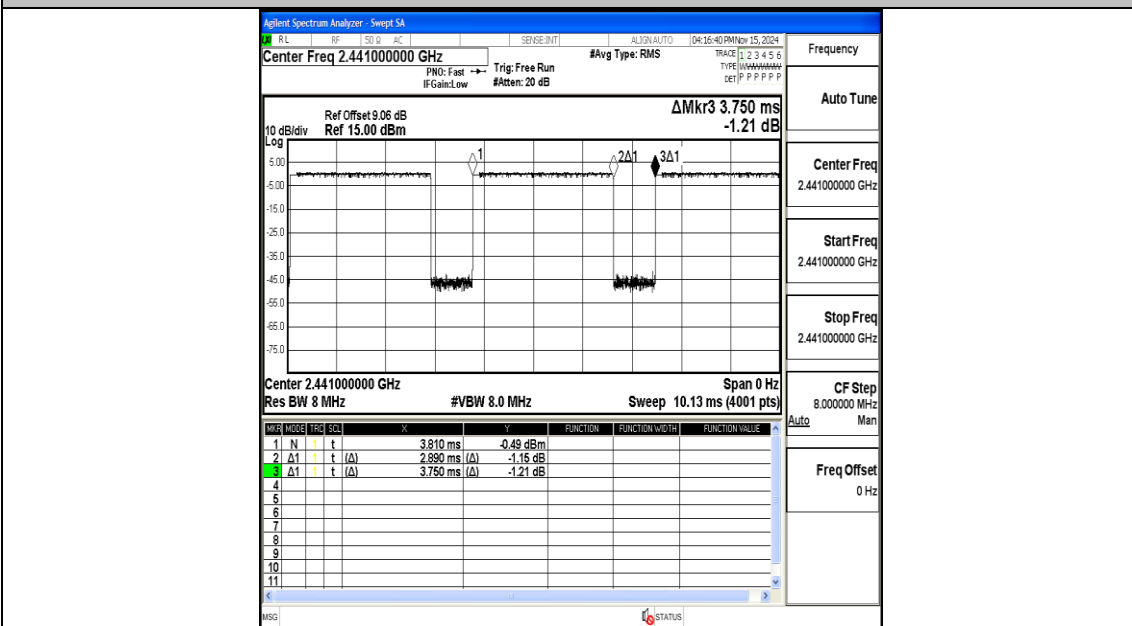




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

