

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

Product Name: 4-in-1 wireless charger

Trade Mark: 

Test Model: DH19

FCC ID: 2BH8E-DH19

Environmental Conditions

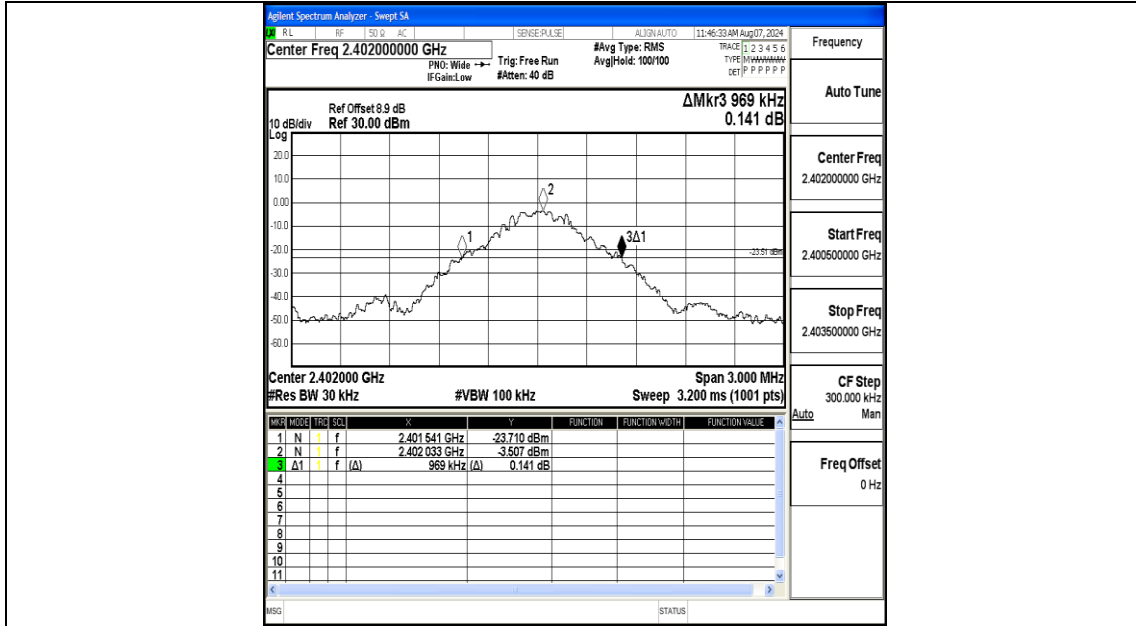
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

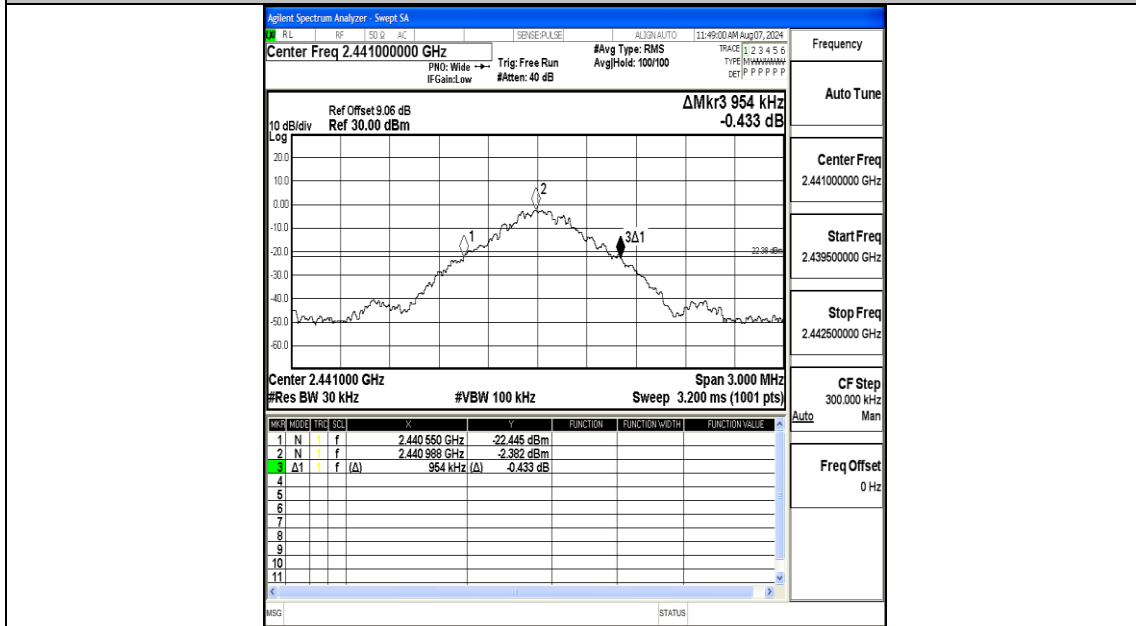
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.969	2401.541	2402.510	---	---
DH5	Ant1	2441	0.954	2440.550	2441.504	---	---
DH5	Ant1	2480	0.939	2479.553	2480.492	---	---
2DH5	Ant1	2402	1.287	2401.382	2402.669	---	---
2DH5	Ant1	2441	1.281	2440.382	2441.663	---	---
2DH5	Ant1	2480	1.287	2479.385	2480.672	---	---

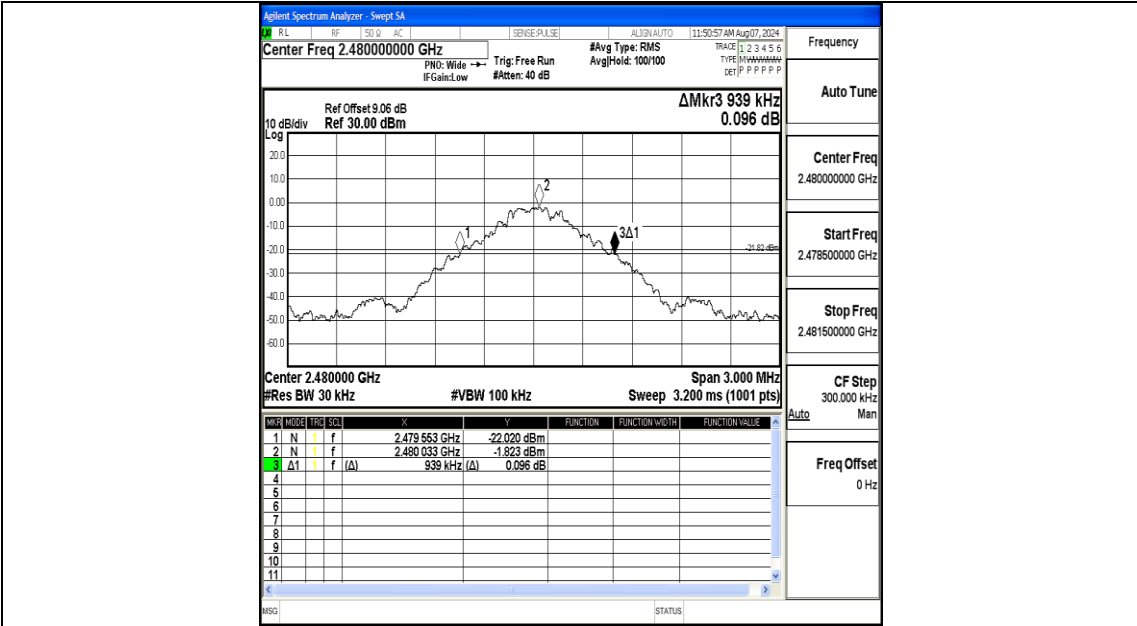
Test Graphs



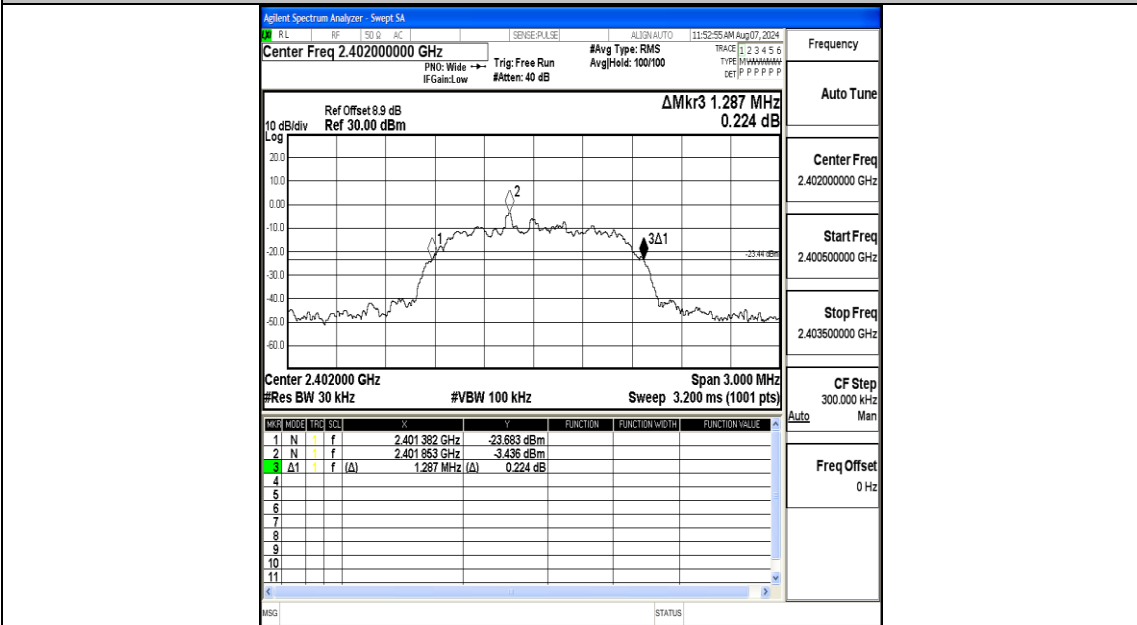
DH5-Ant1-2402



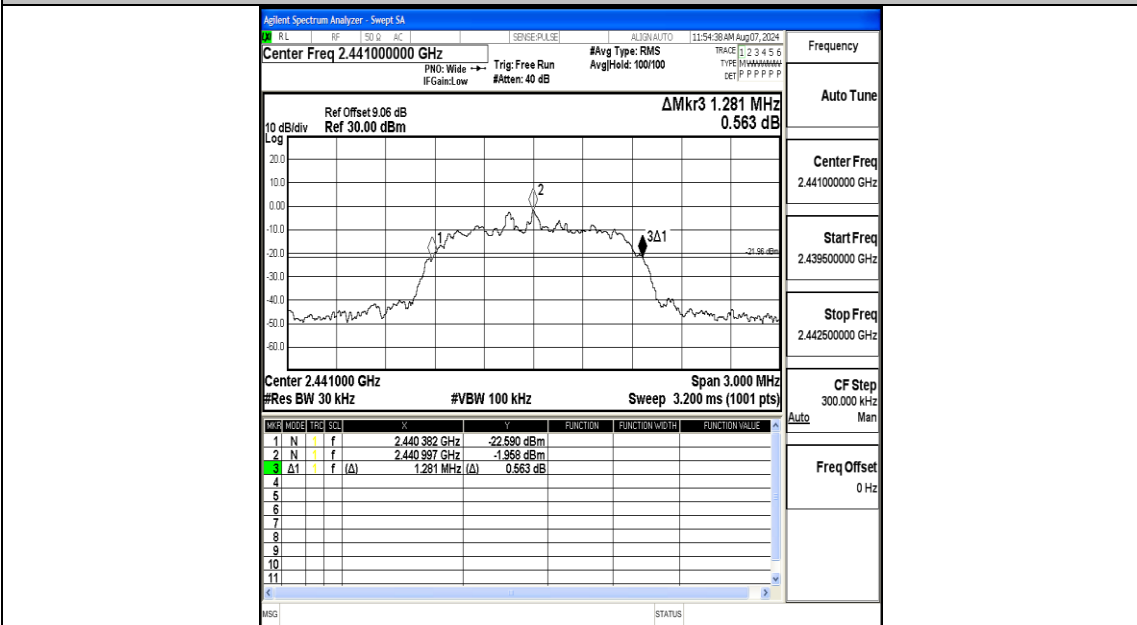
DH5-Ant1-2441



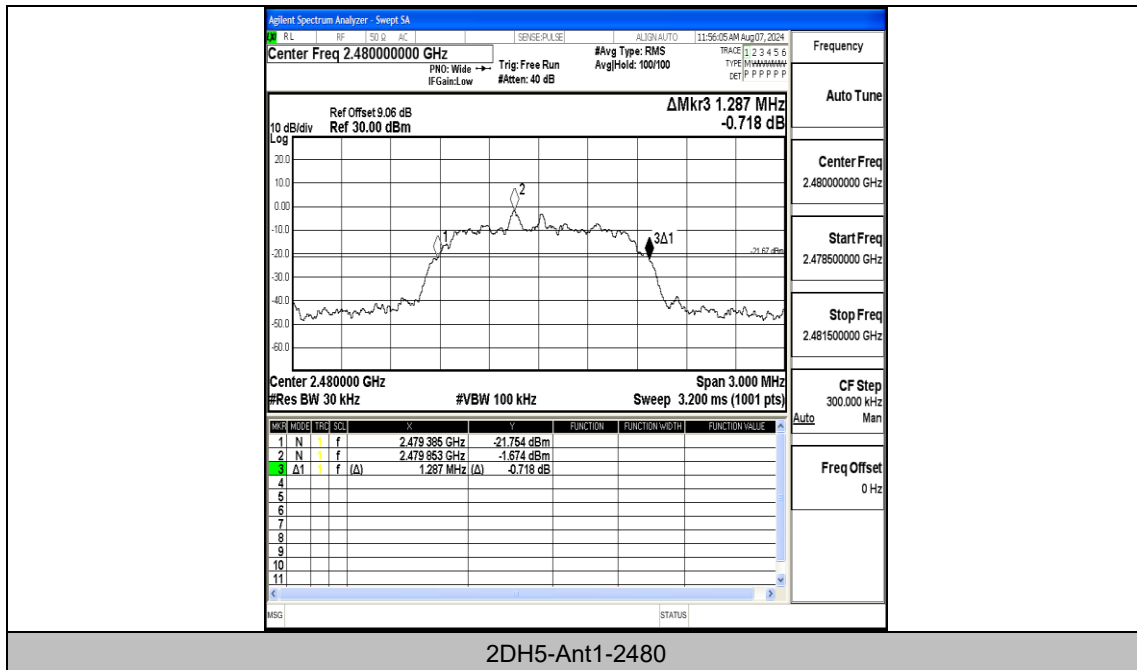
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

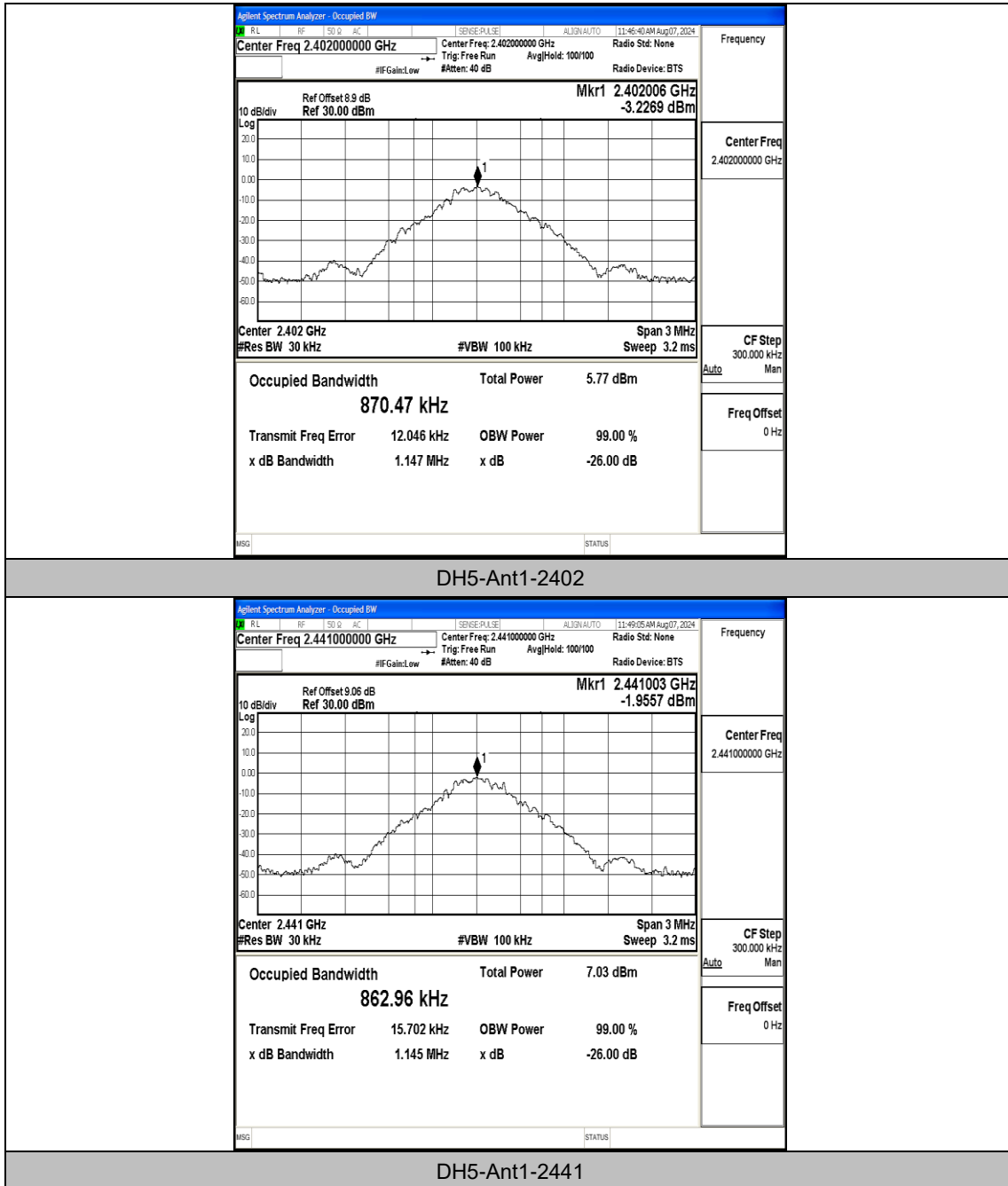


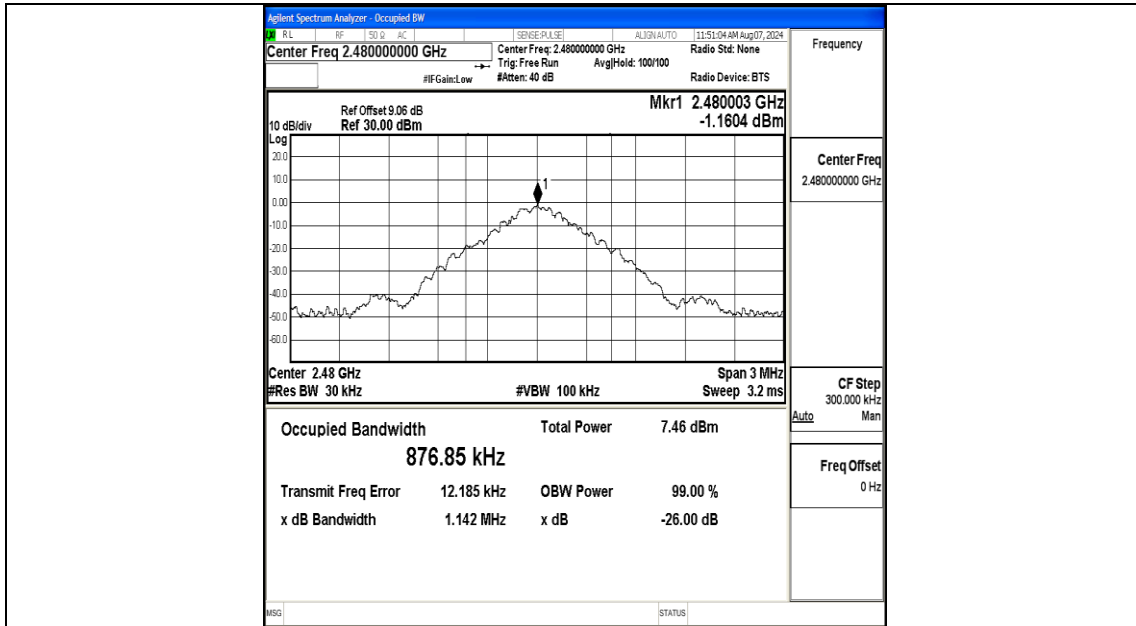
Appendix B: Occupied Channel Bandwidth

Test Result

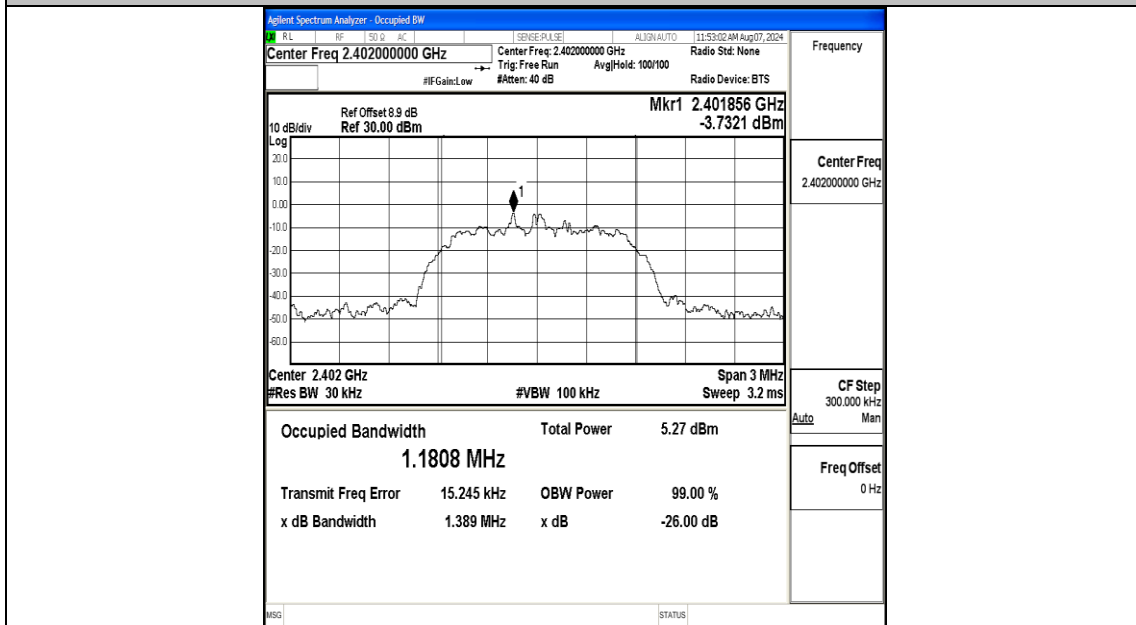
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87047	2401.5768	2402.4473	---	---
DH5	Ant1	2441	0.86296	2440.5842	2441.4472	---	---
DH5	Ant1	2480	0.87685	2479.5738	2480.4506	---	---
2DH5	Ant1	2402	1.1808	2401.4249	2402.6057	---	---
2DH5	Ant1	2441	1.1962	2440.4161	2441.6123	---	---
2DH5	Ant1	2480	1.1878	2479.4185	2480.6063	---	---

Test Graphs

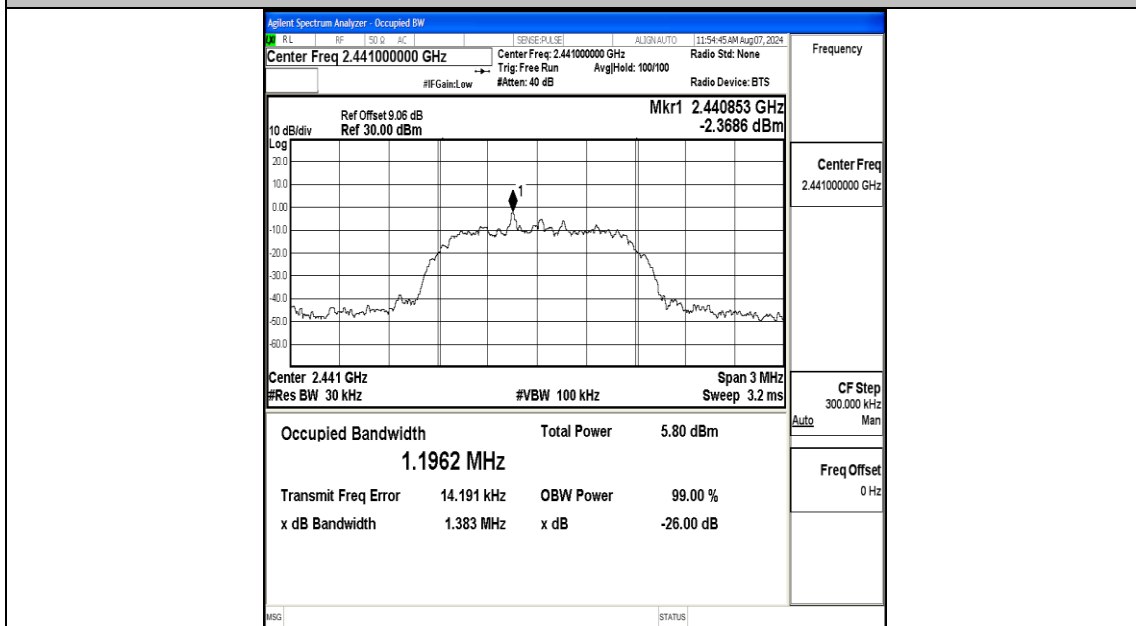




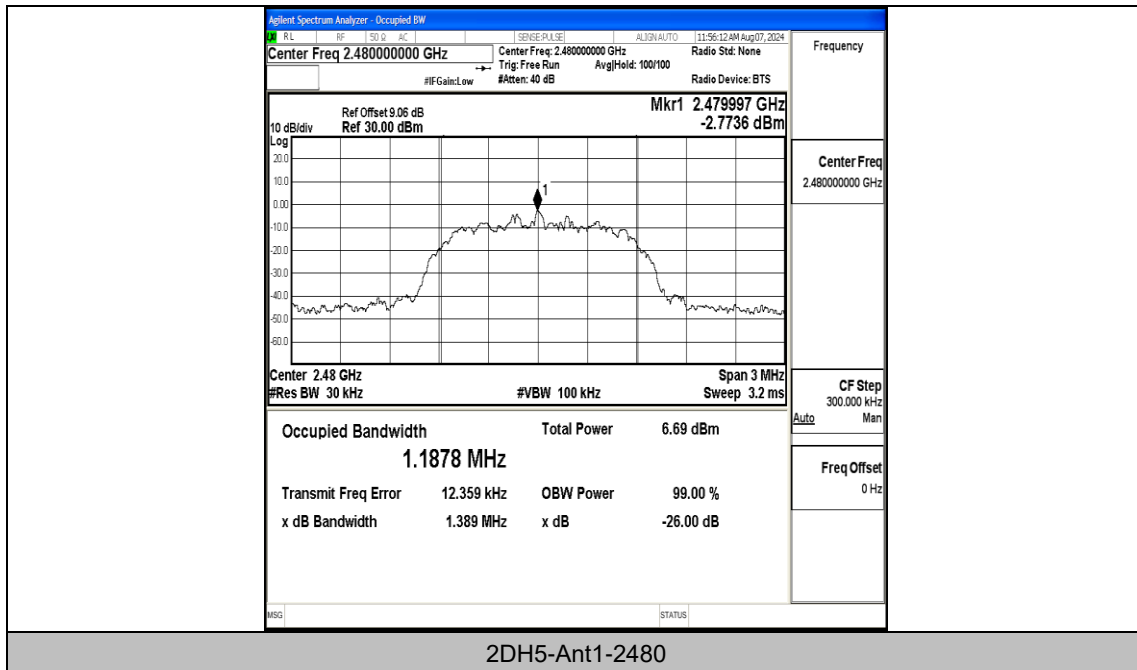
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

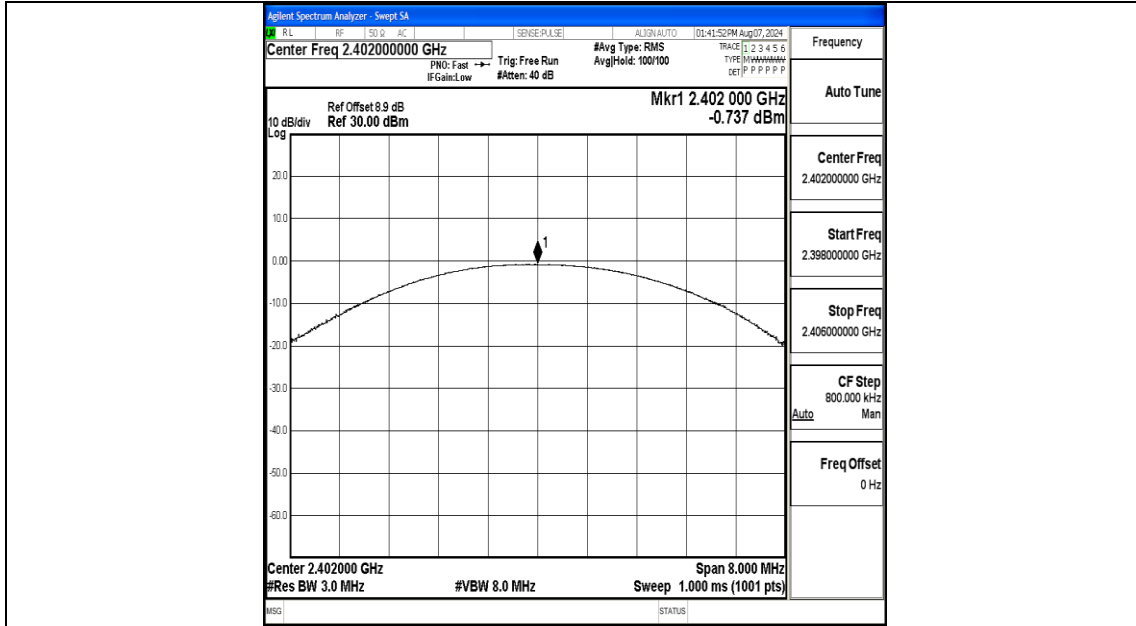


Appendix C: Maximum peak conducted output power

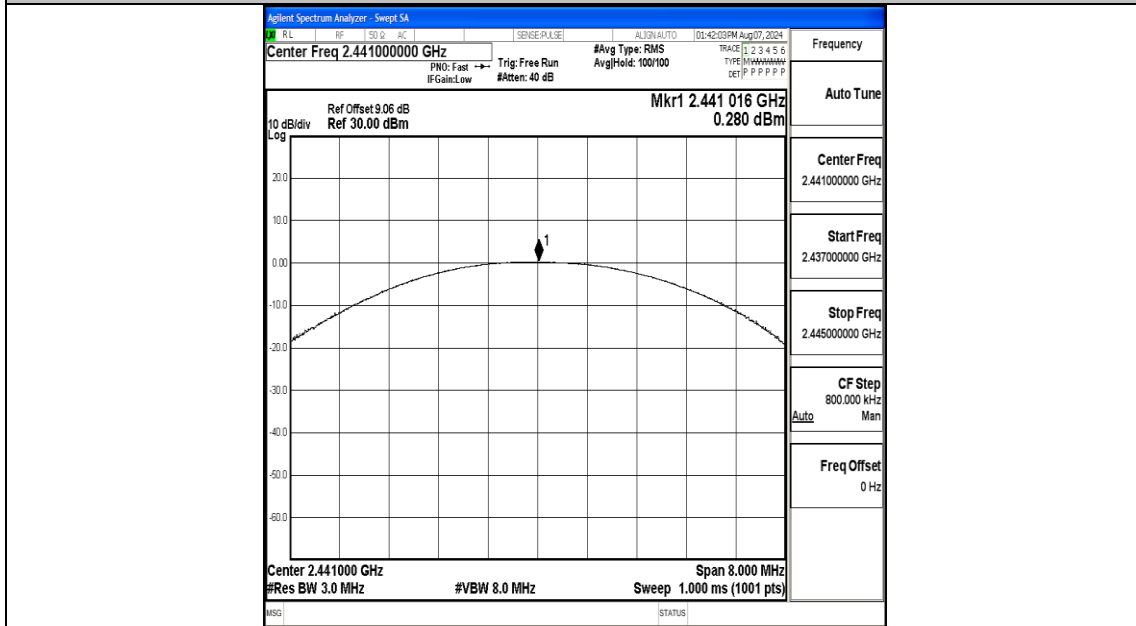
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.74	≤30	PASS
DH5	Ant1	2441	0.28	≤30	PASS
DH5	Ant1	2480	0.99	≤30	PASS
2DH5	Ant1	2402	0.03	≤20.97	PASS
2DH5	Ant1	2441	0.99	≤20.97	PASS
2DH5	Ant1	2480	1.67	≤20.97	PASS

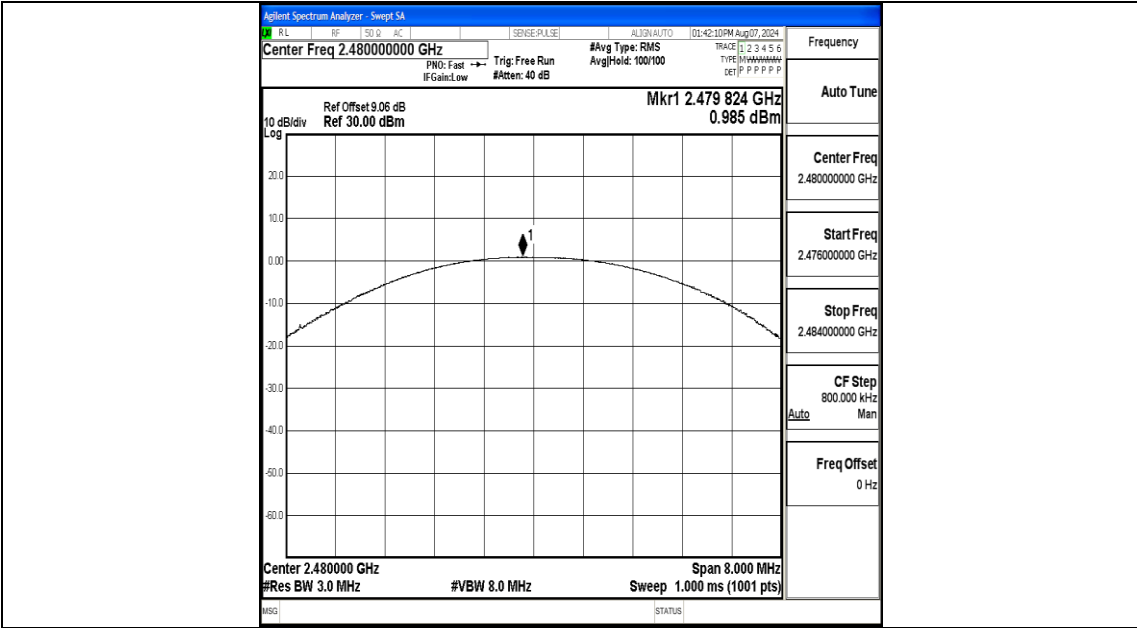
Test Graphs



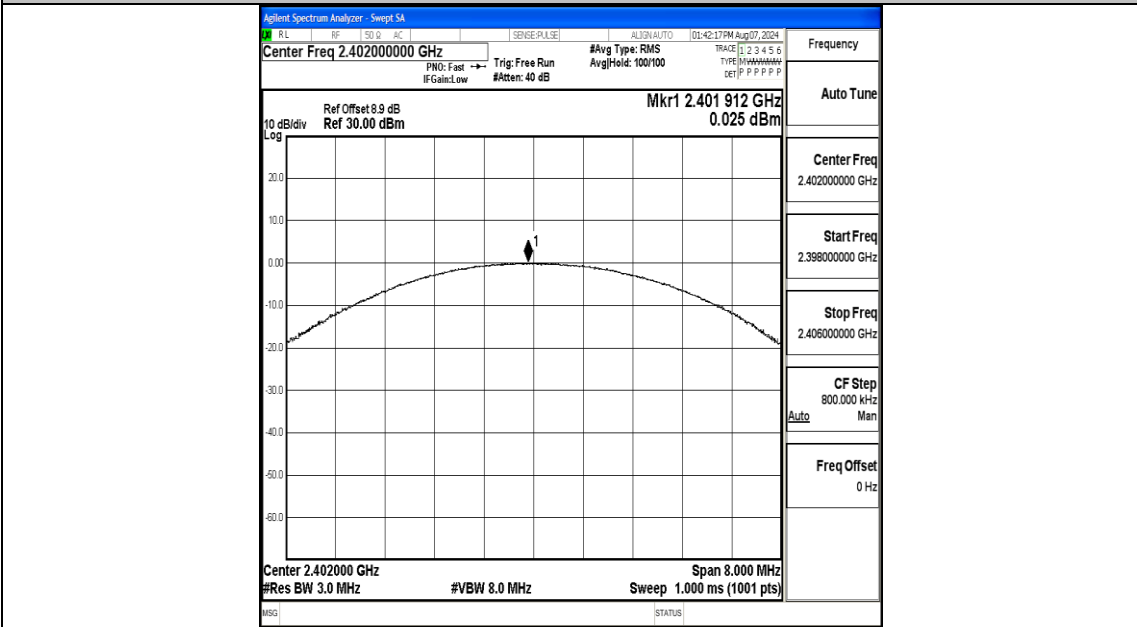
DH5-Ant1-2402-PASS



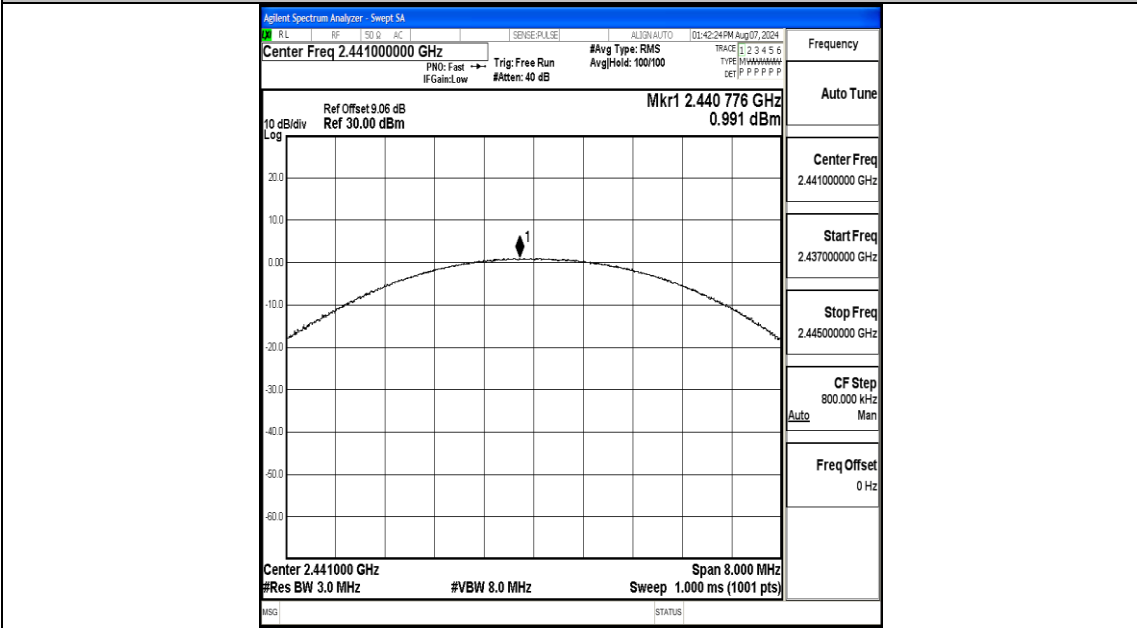
DH5-Ant1-2441-PASS



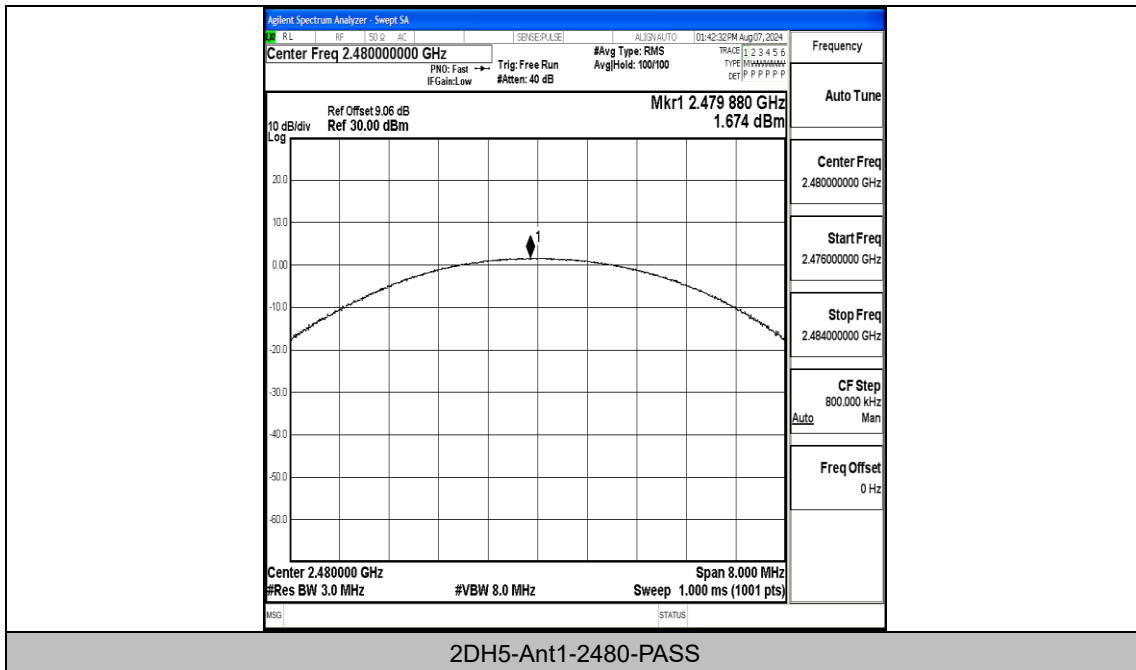
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

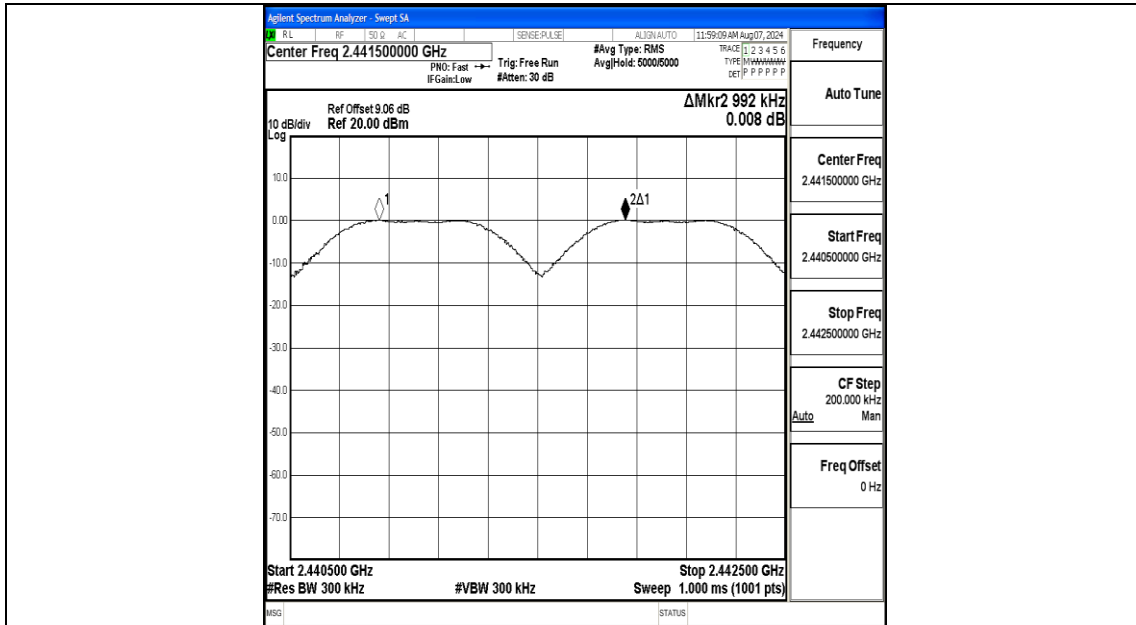


Appendix D: Carrier frequency separation

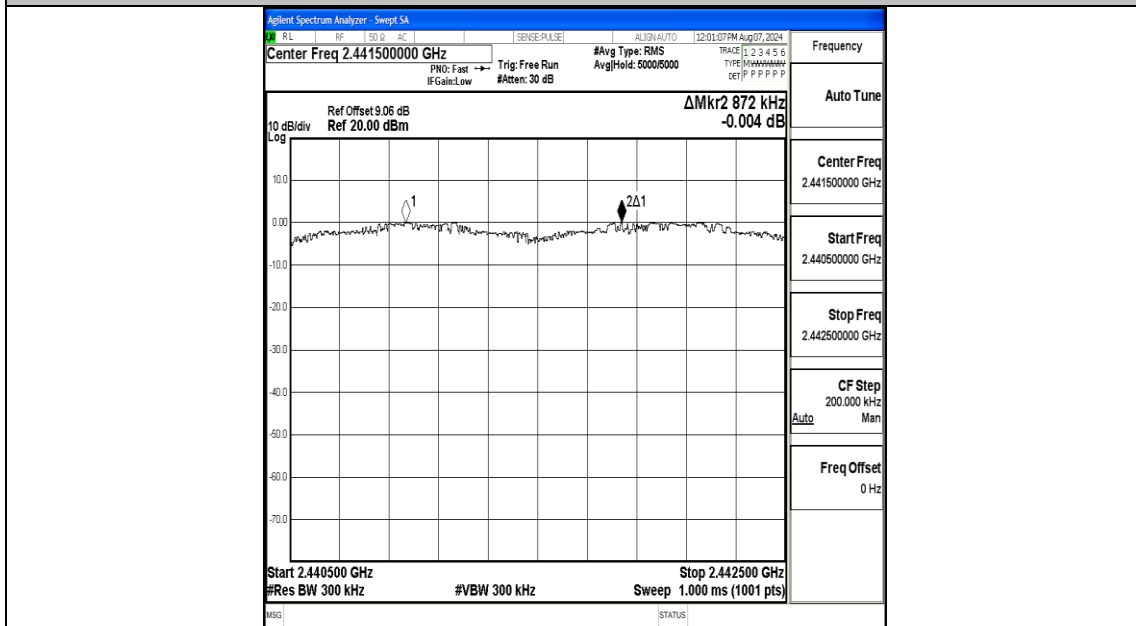
Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.992	≥ 0.969	PASS
2DH5	Ant1	Hop	0.872	≥ 0.858	PASS

Test Graphs



DH5-Ant1-Hop-PASS



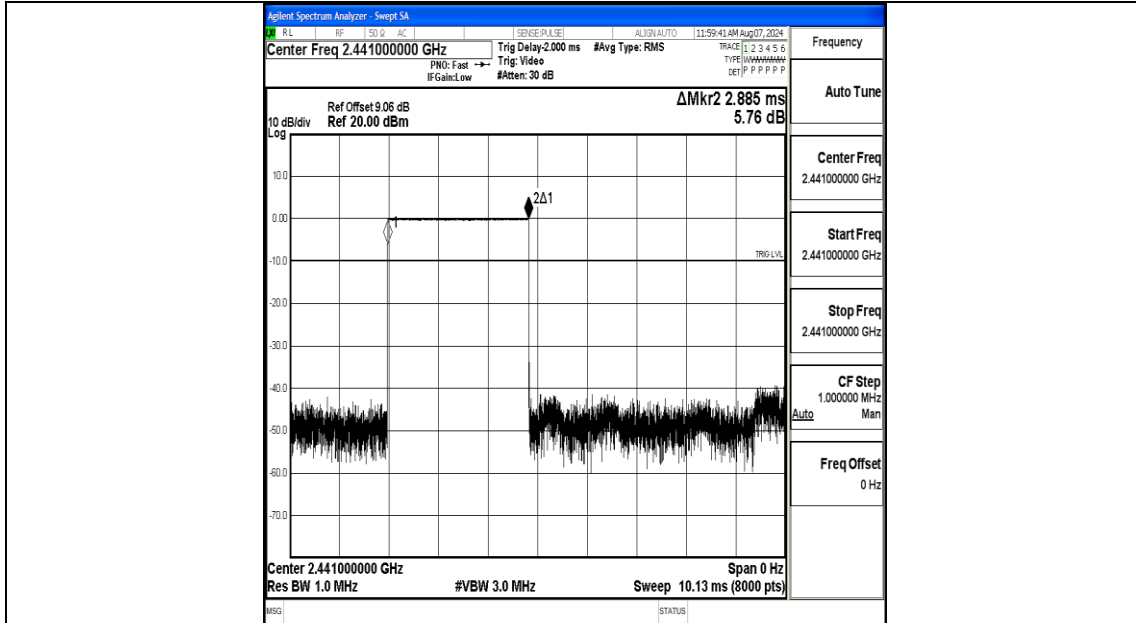
2DH5-Ant1-Hop-PASS

Appendix E: Time of occupancy

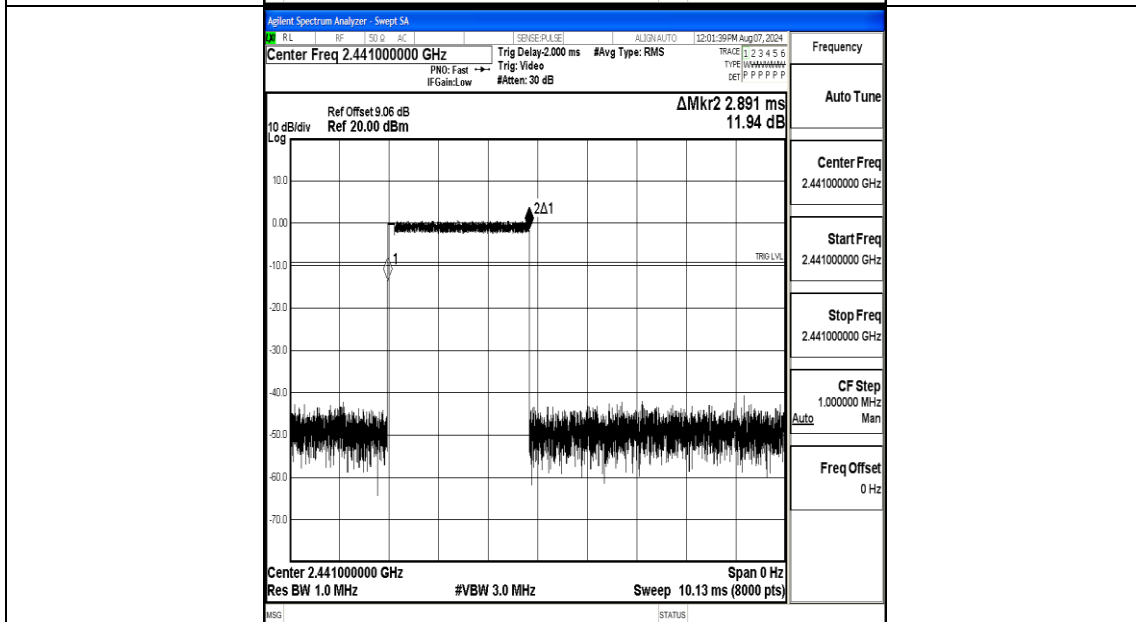
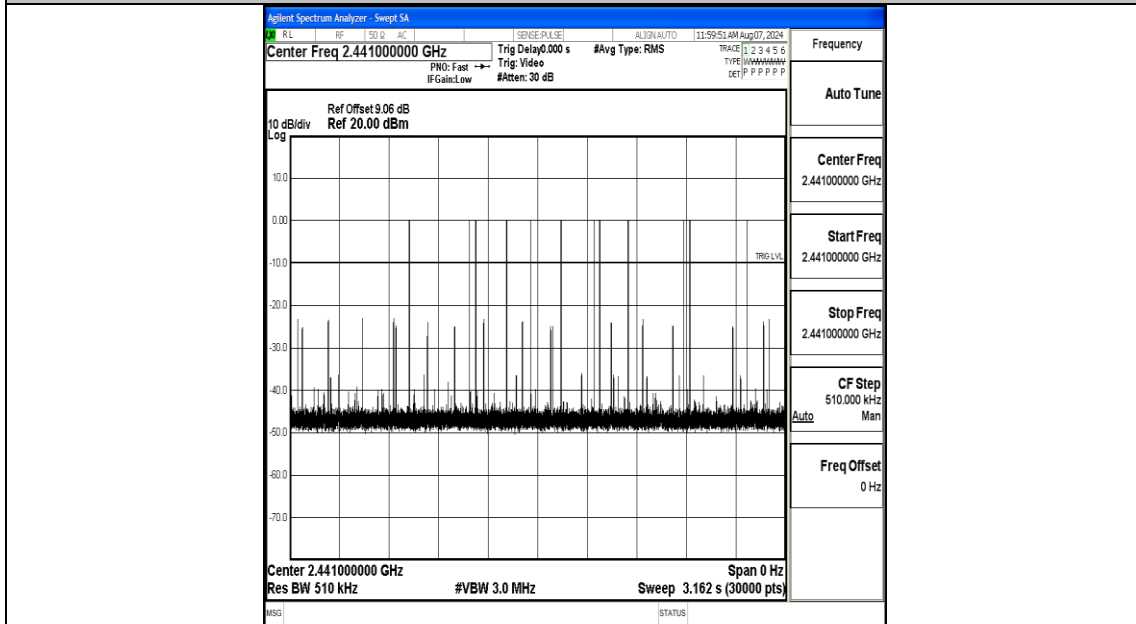
Test Result

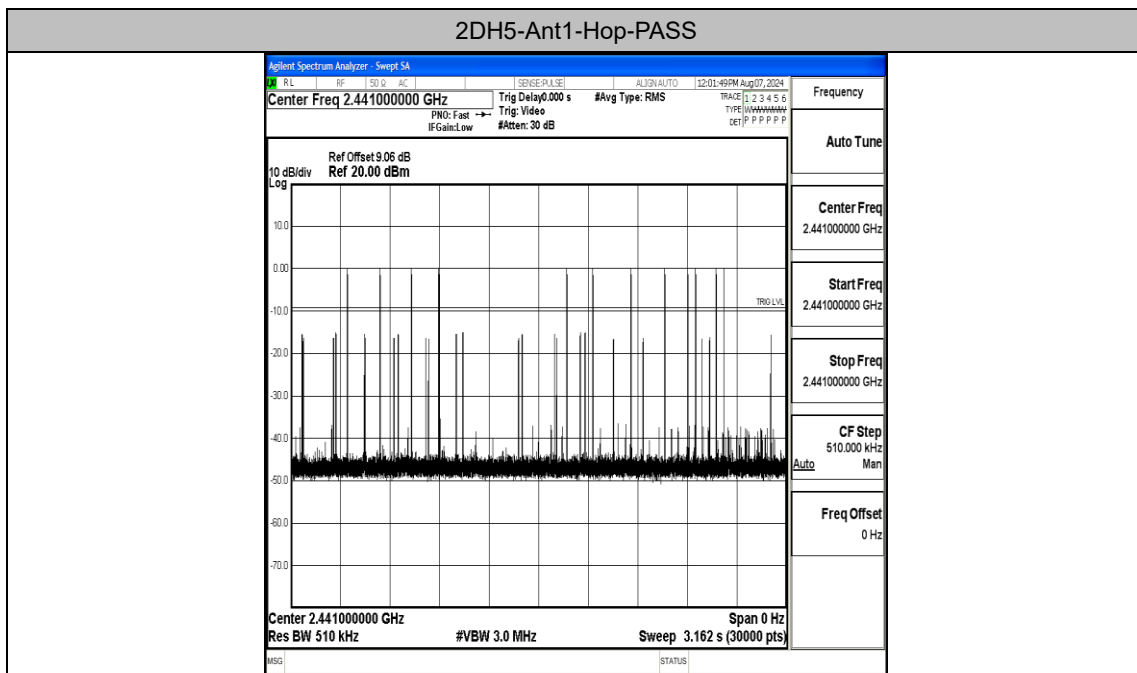
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	130	0.375	≤0.4	PASS
2DH5	Ant1	Hop	2.891	130	0.376	≤0.4	PASS

Test Graphs



DH5-Ant1-Hop-PASS



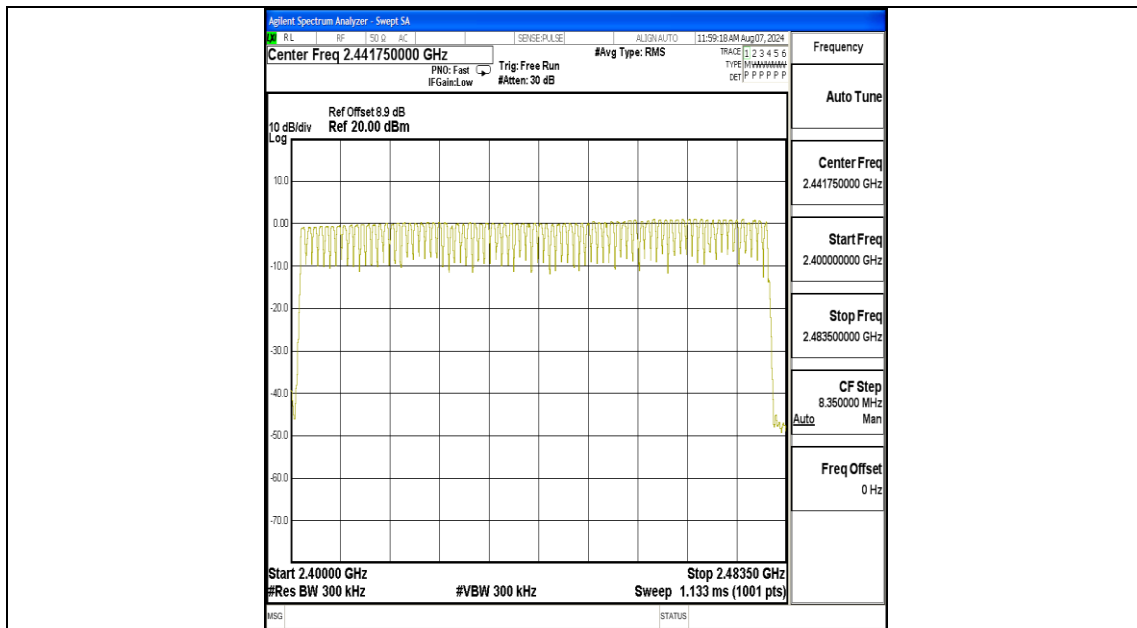


Appendix F: Number of hopping channels

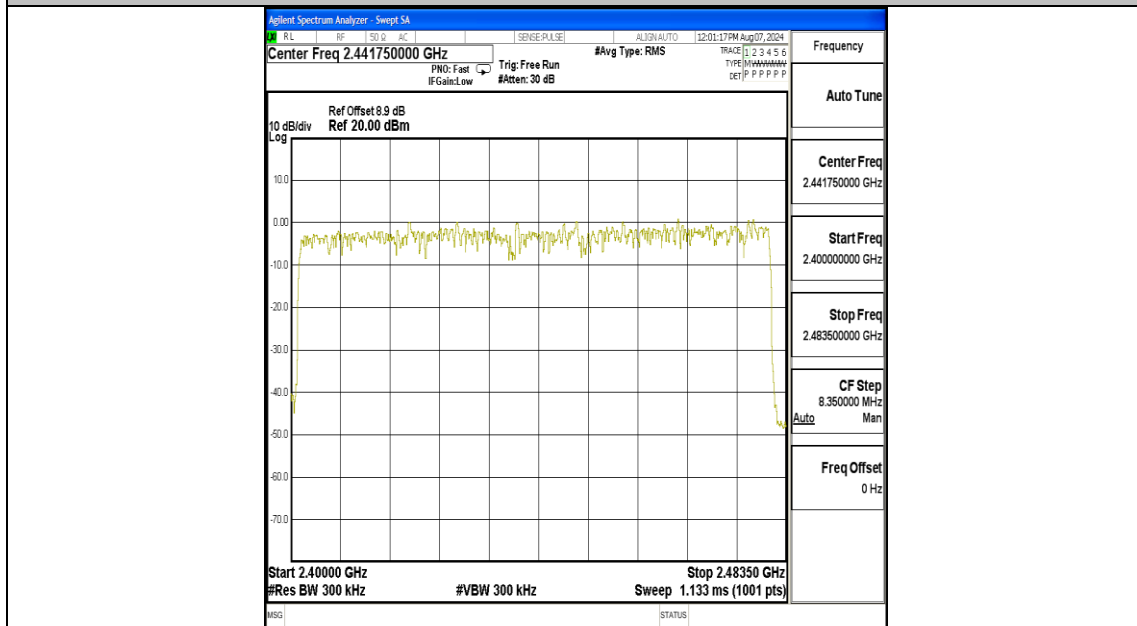
Test Result

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

Test Graphs



DH5-Ant1-Hop-PASS



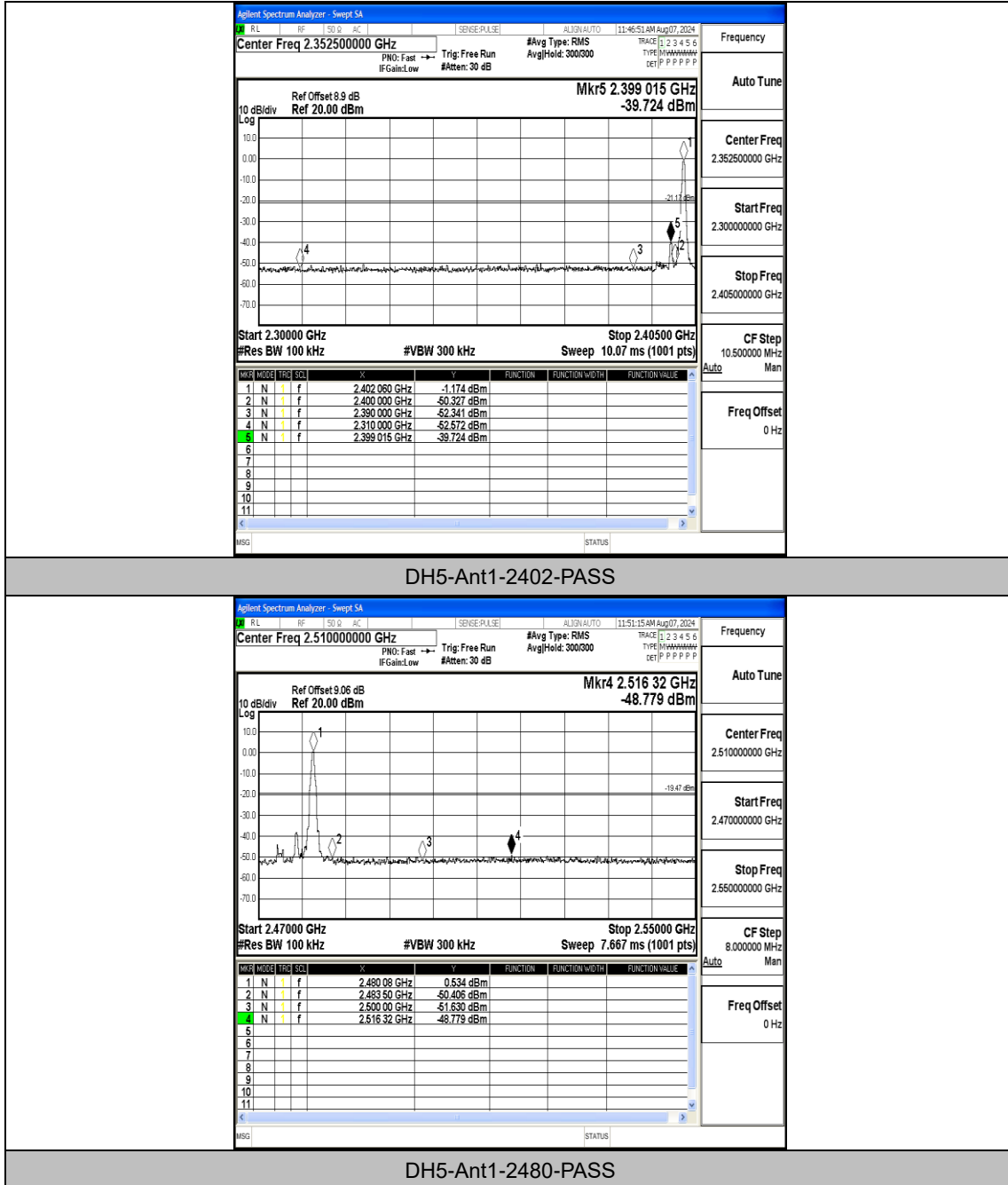
2DH5-Ant1-Hop-PASS

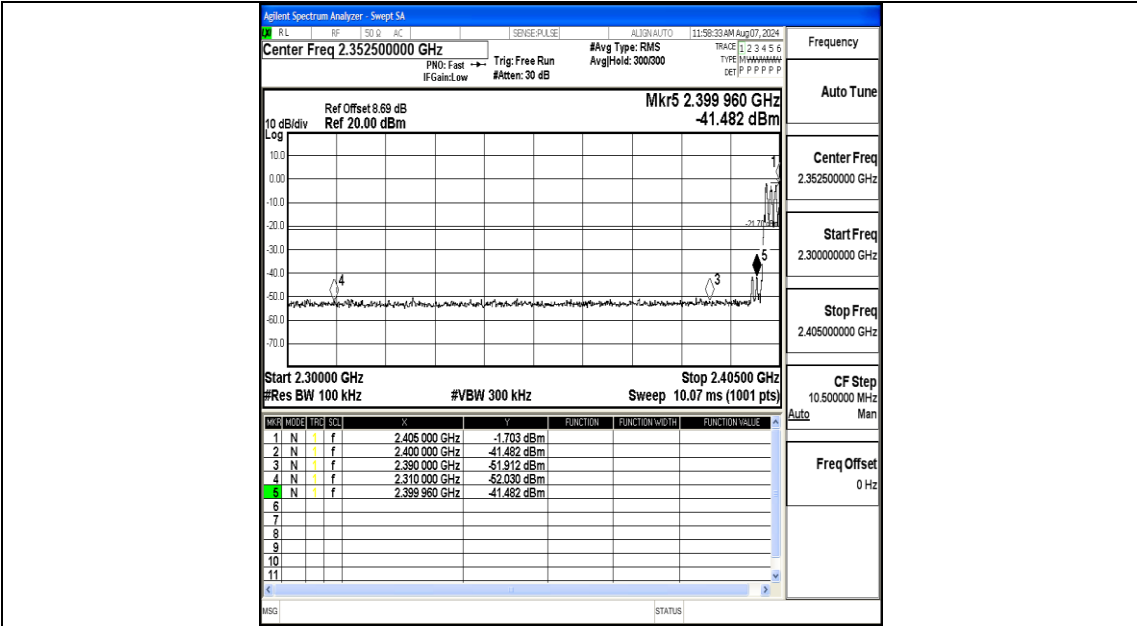
Appendix G: Band edge measurements

Test Result

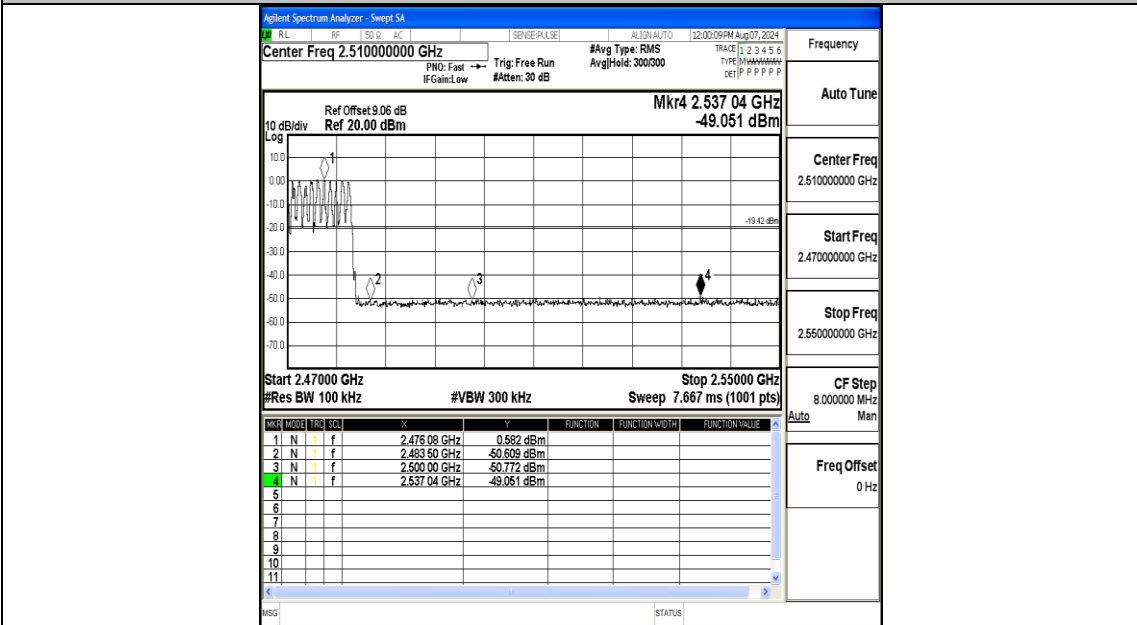
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.17	-39.72	≤-21.17	PASS
DH5	Ant1	High	2480	0.53	-48.78	≤-19.47	PASS
DH5	Ant1	Low	Hop_2402	-1.70	-41.48	≤-21.7	PASS
DH5	Ant1	High	Hop_2480	0.58	-49.05	≤-19.42	PASS
2DH5	Ant1	Low	2402	-1.03	-41.02	≤-21.03	PASS
2DH5	Ant1	High	2480	-0.50	-48.87	≤-20.5	PASS
2DH5	Ant1	Low	Hop_2402	-4.51	-47.12	≤-24.51	PASS
2DH5	Ant1	High	Hop_2480	-1.14	-47.91	≤-21.14	PASS

Test Graphs

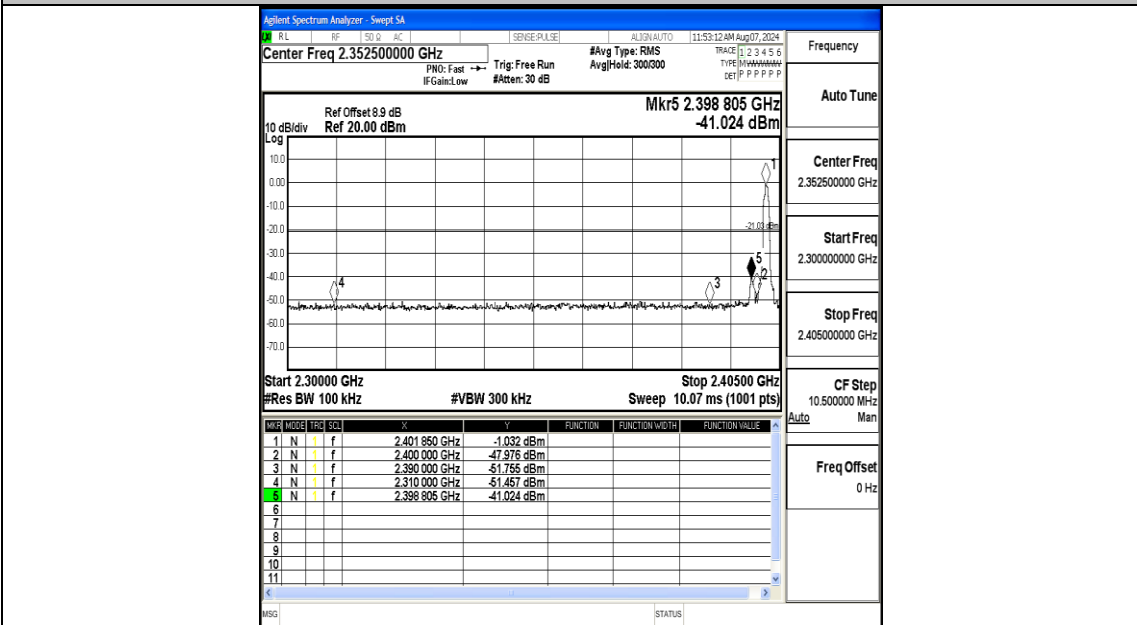




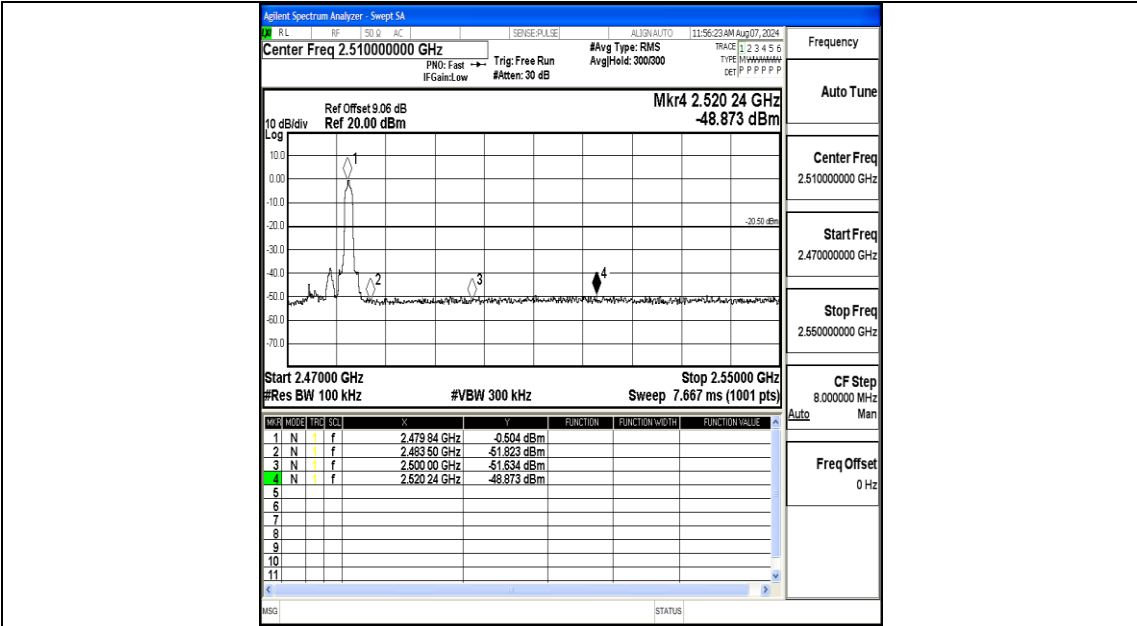
DH5-Ant1-Hop_2402-PASS



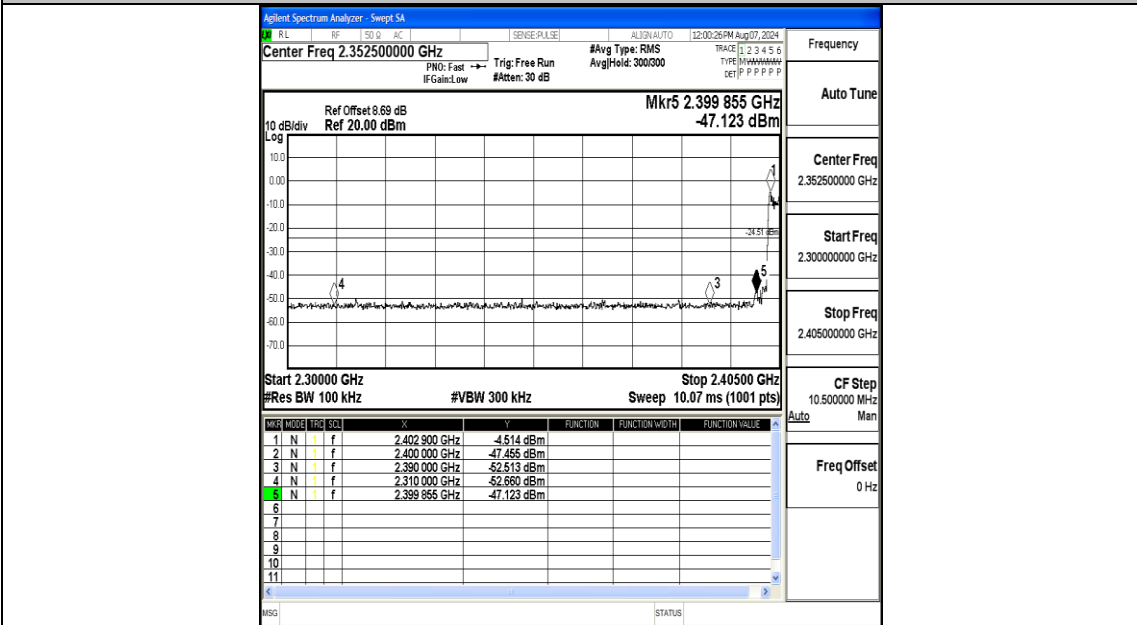
DH5-Ant1-Hop_2480-PASS



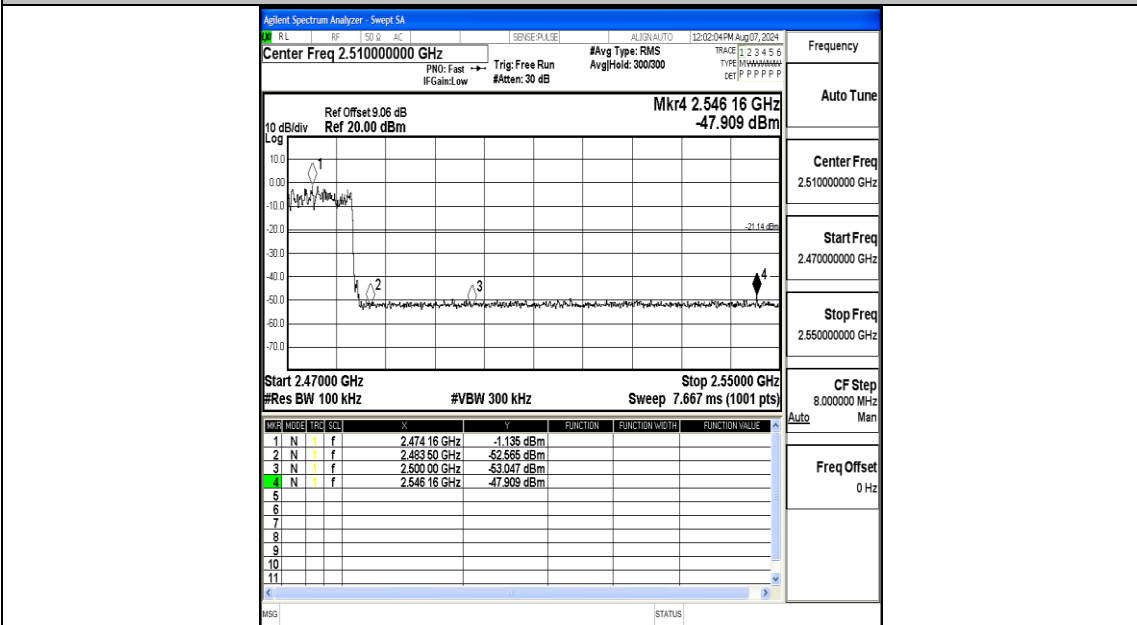
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



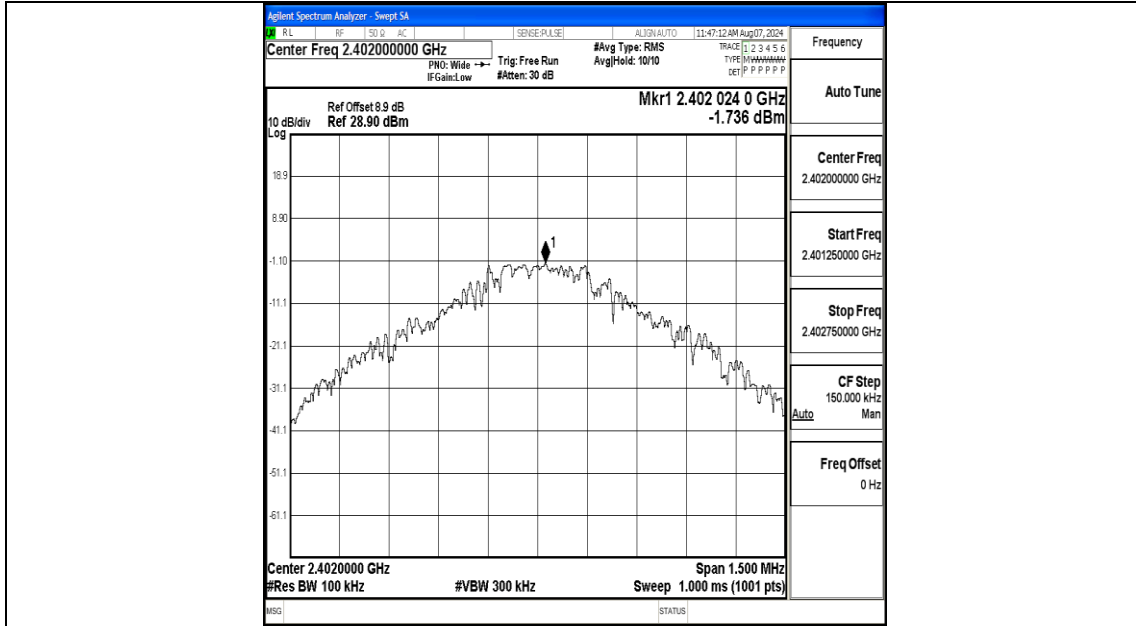
2DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

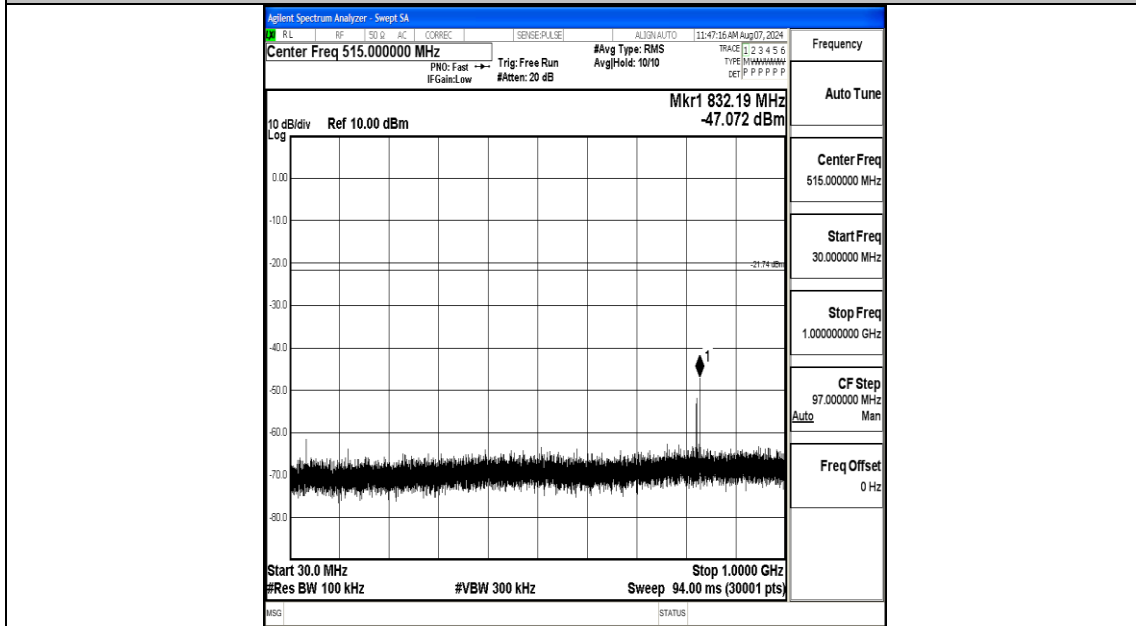
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.74	-1.74	---	PASS
DH5	Ant1	2402	30~1000	-1.74	-47.07	≤-21.74	PASS
DH5	Ant1	2402	1000~26500	-1.74	-44.6	≤-21.74	PASS
DH5	Ant1	2441	0~Reference	-0.44	-0.44	---	PASS
DH5	Ant1	2441	30~1000	-0.44	-61.98	≤-20.44	PASS
DH5	Ant1	2441	1000~26500	-0.44	-45.59	≤-20.44	PASS
DH5	Ant1	2480	0~Reference	0.06	0.06	---	PASS
DH5	Ant1	2480	30~1000	0.06	-61.07	≤-19.94	PASS
DH5	Ant1	2480	1000~26500	0.06	-47.46	≤-19.94	PASS
2DH5	Ant1	2402	0~Reference	-1.48	-1.48	---	PASS
2DH5	Ant1	2402	30~1000	-1.48	-60.76	≤-21.48	PASS
2DH5	Ant1	2402	1000~26500	-1.48	-44.05	≤-21.48	PASS
2DH5	Ant1	2441	0~Reference	-0.27	-0.27	---	PASS
2DH5	Ant1	2441	30~1000	-0.27	-61.46	≤-20.27	PASS
2DH5	Ant1	2441	1000~26500	-0.27	-49.13	≤-20.27	PASS
2DH5	Ant1	2480	0~Reference	-3.17	-3.17	---	PASS
2DH5	Ant1	2480	30~1000	-3.17	-61.06	≤-23.17	PASS
2DH5	Ant1	2480	1000~26500	-3.17	-48.47	≤-23.17	PASS

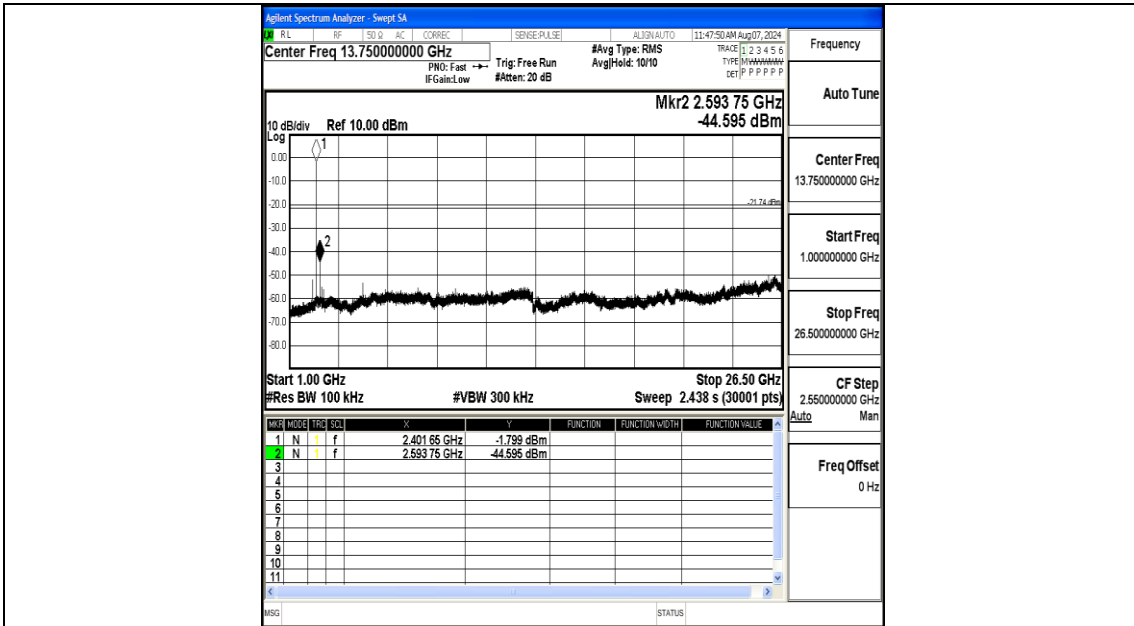
Test Graphs



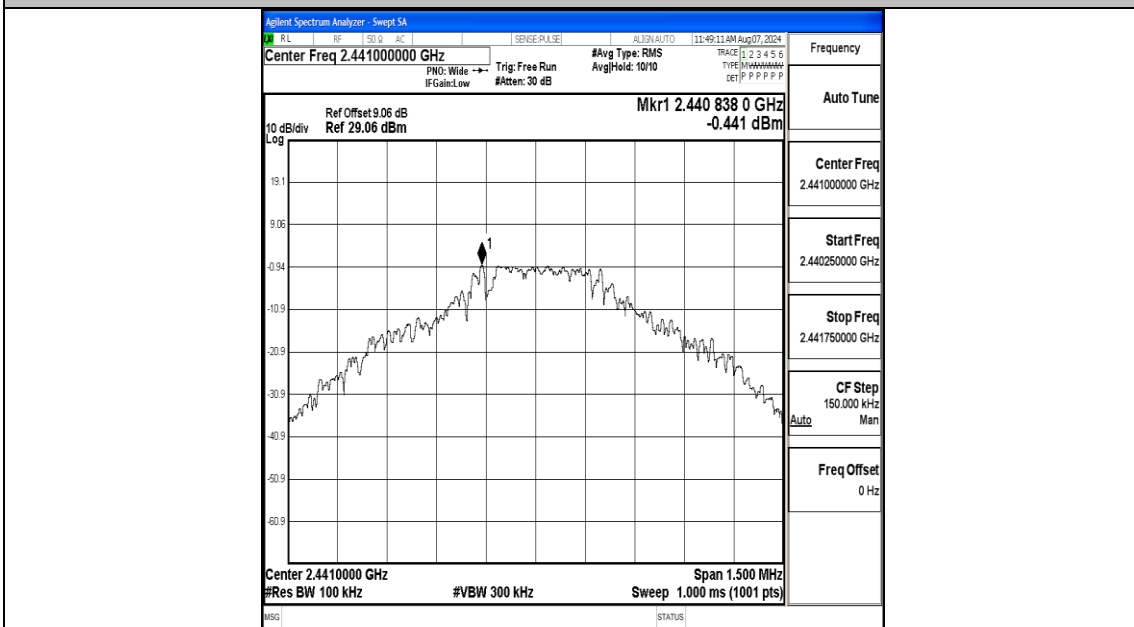
DH5-Ant1-2402-0~Reference-PASS



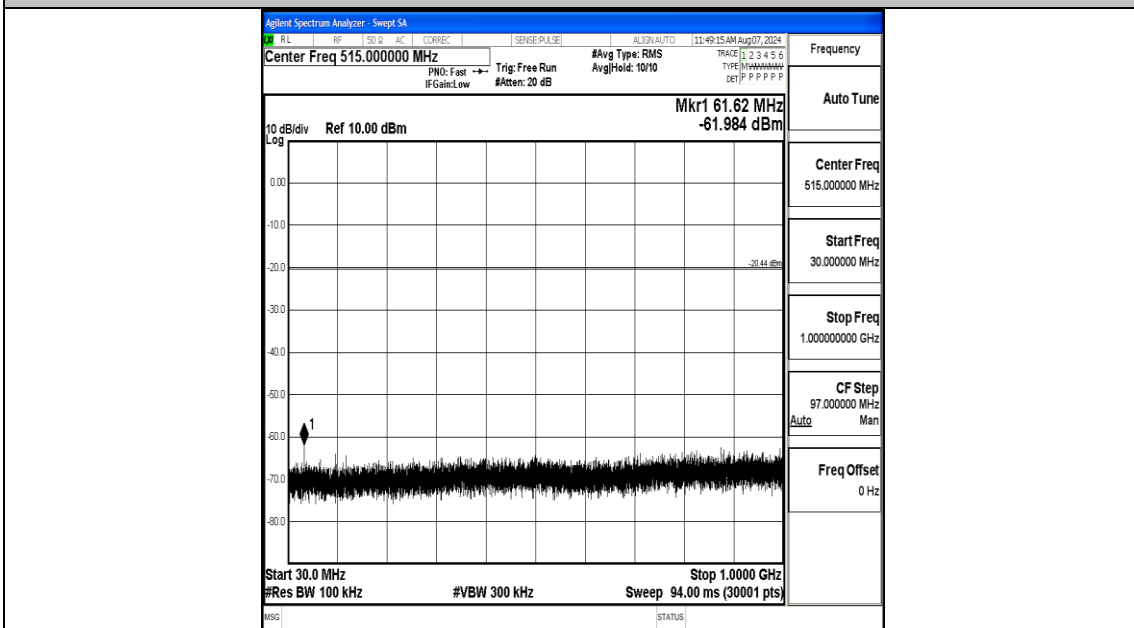
DH5-Ant1-2402-30~1000-PASS



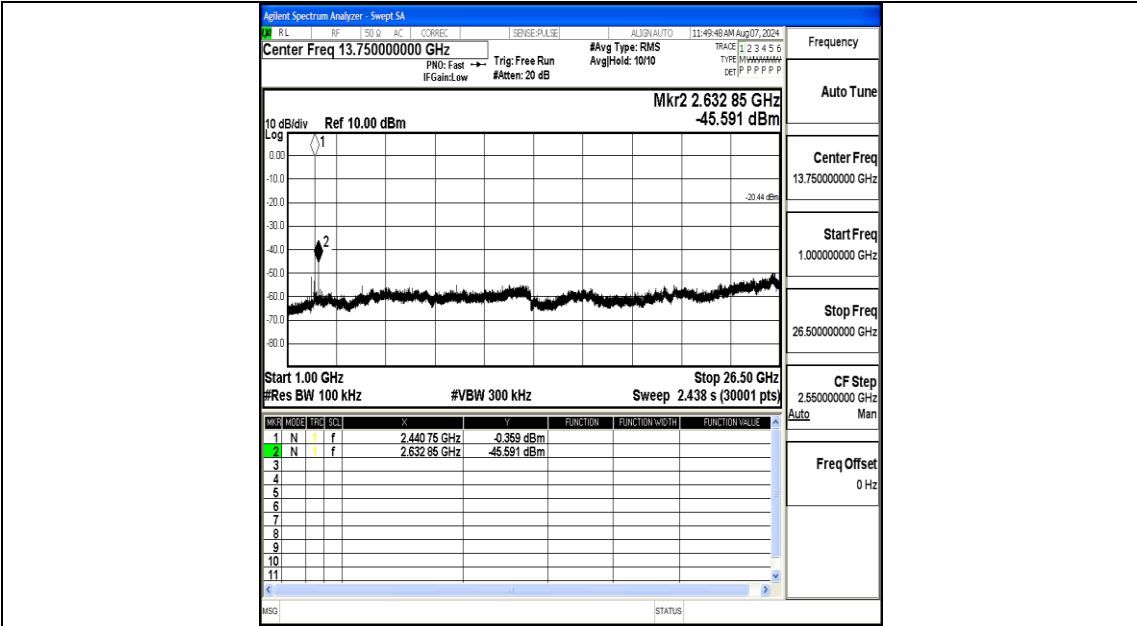
DH5-Ant1-2402-1000~26500-PASS



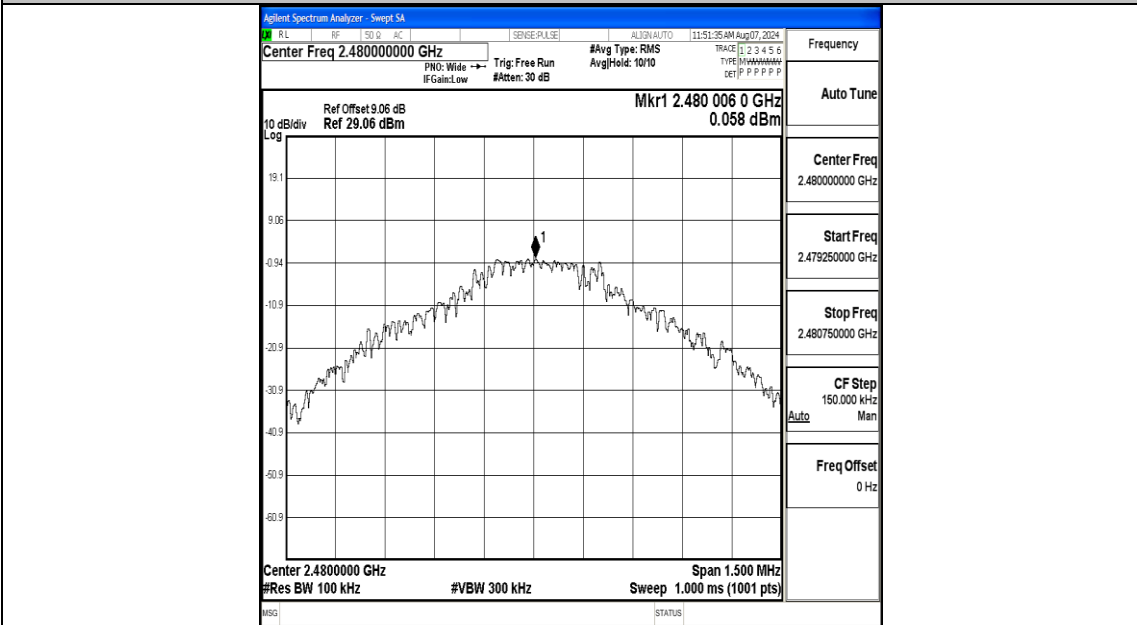
DH5-Ant1-2441-0~Reference-PASS



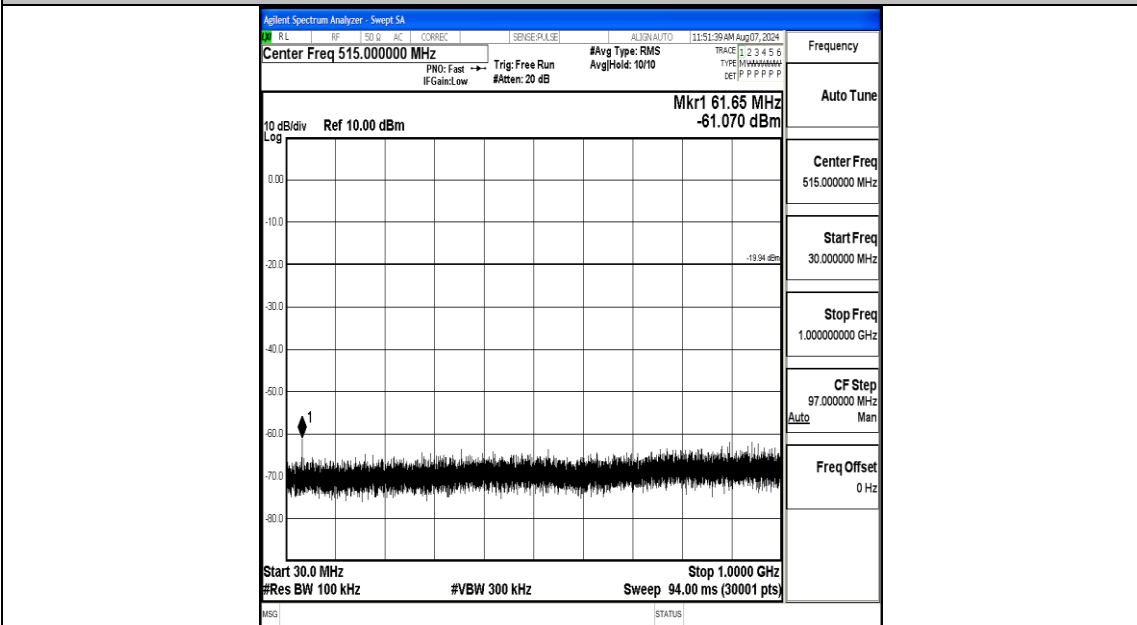
DH5-Ant1-2441-30~1000-PASS



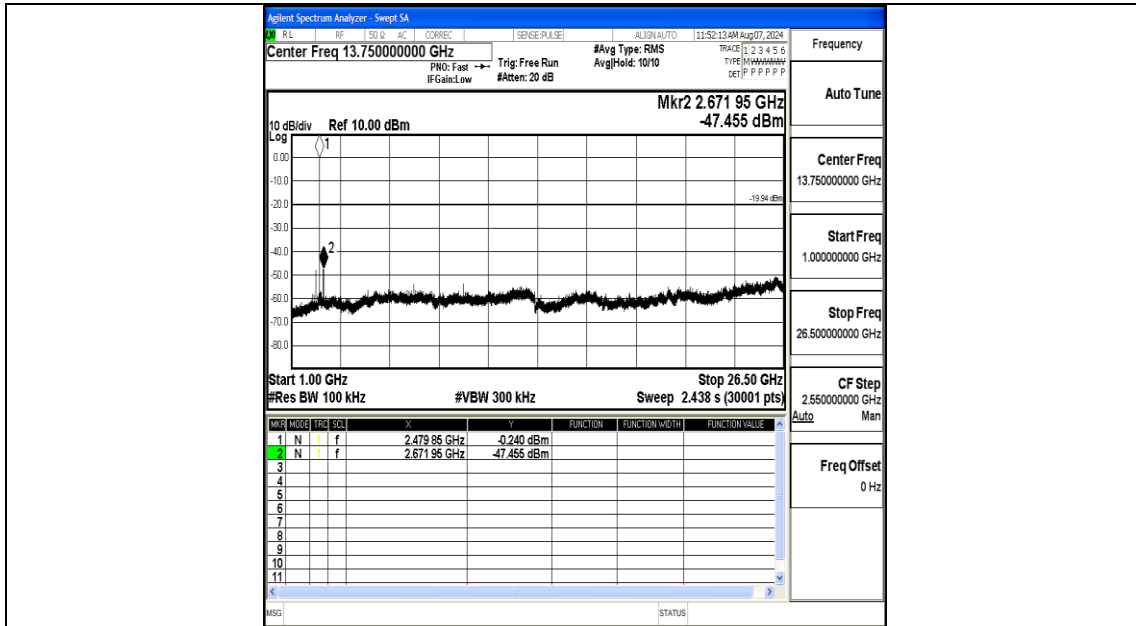
DH5-Ant1-2441-1000~26500-PASS



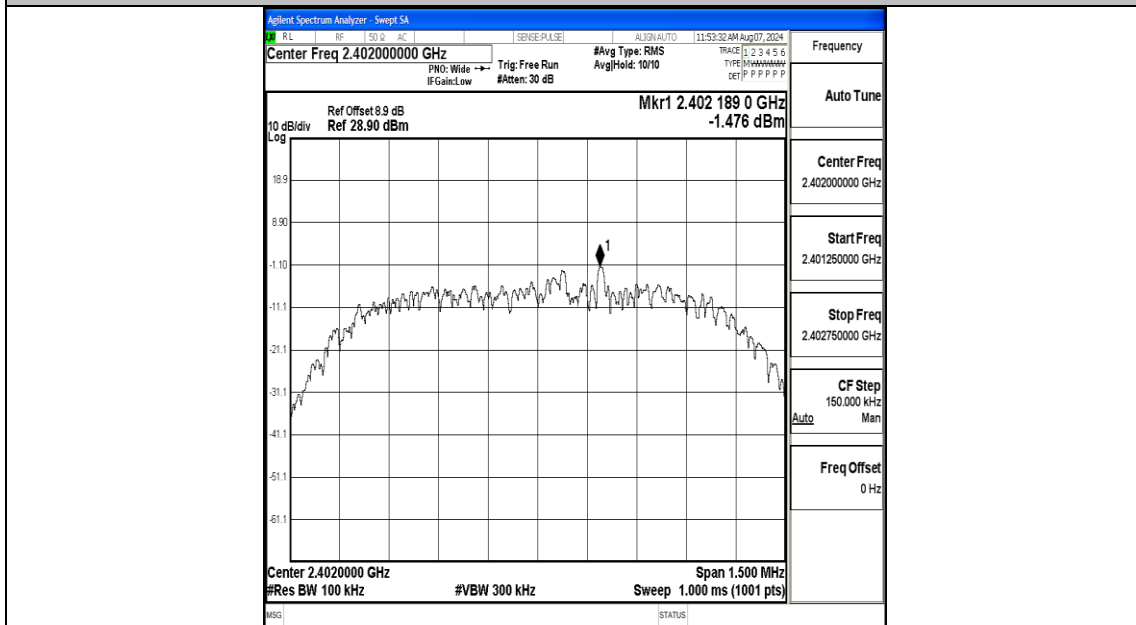
DH5-Ant1-2480-0~Reference-PASS



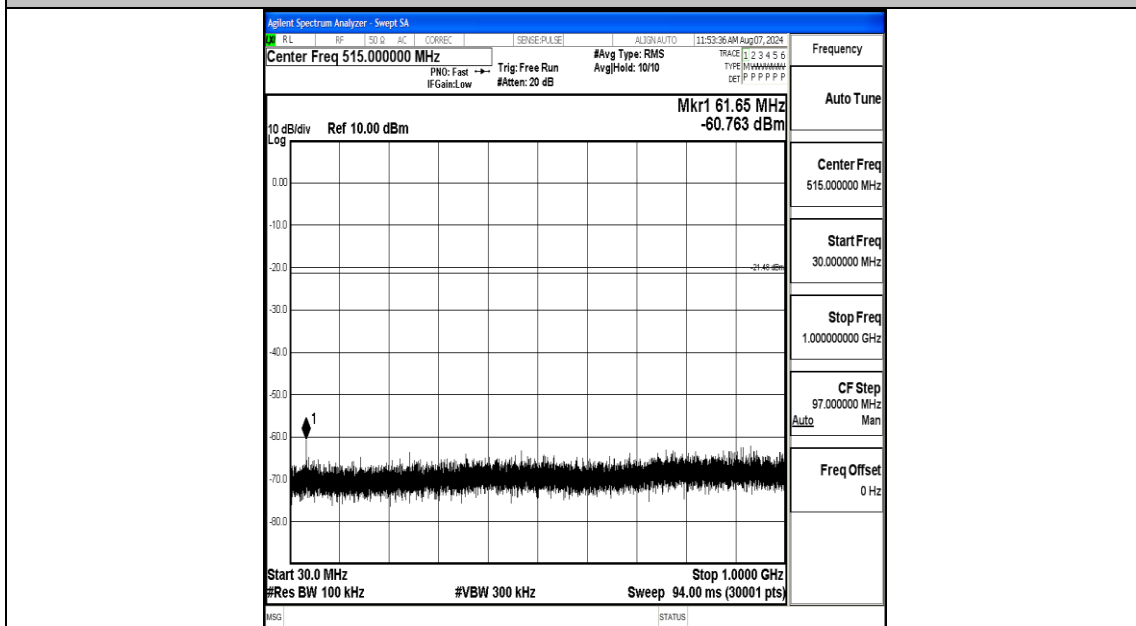
DH5-Ant1-2480-30~1000-PASS



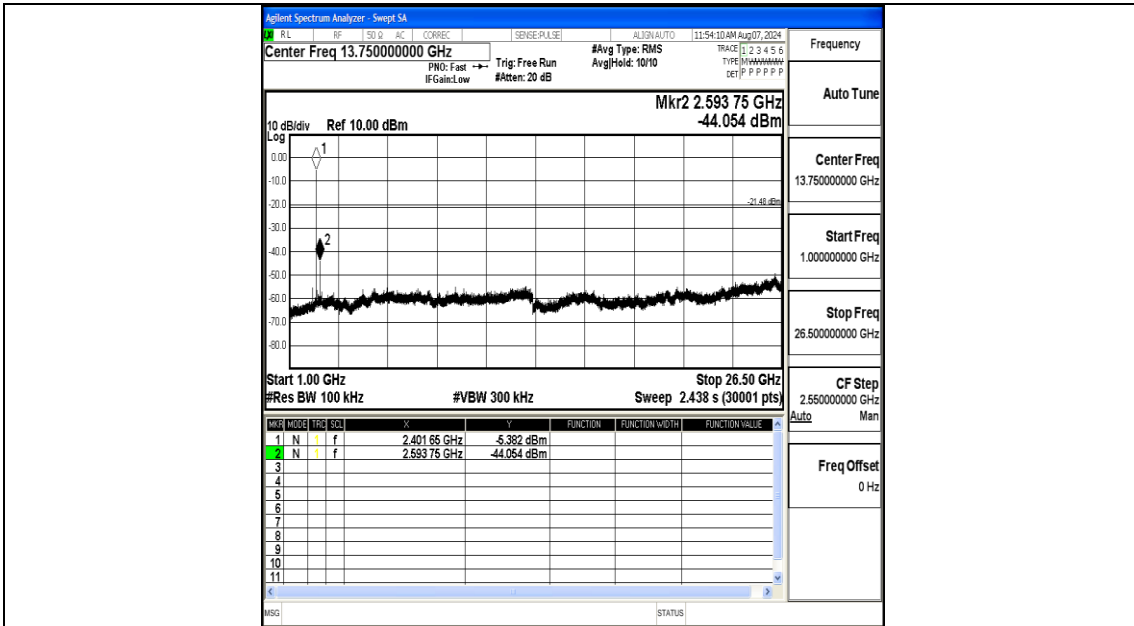
DH5-Ant1-2480-1000~26500-PASS



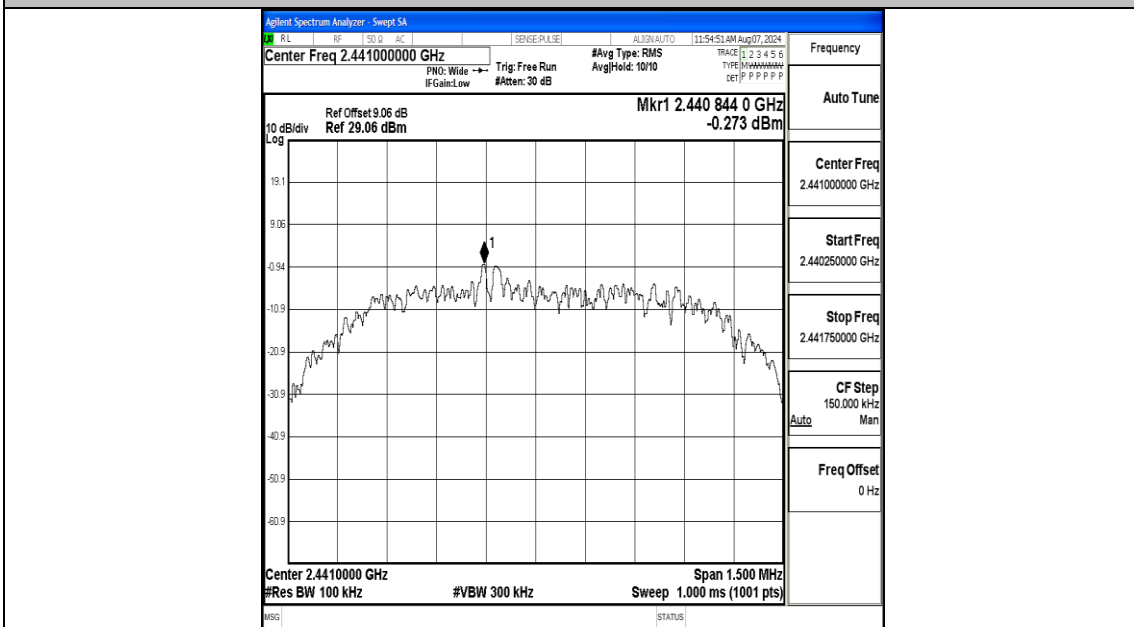
2DH5-Ant1-2402-0~Reference-PASS



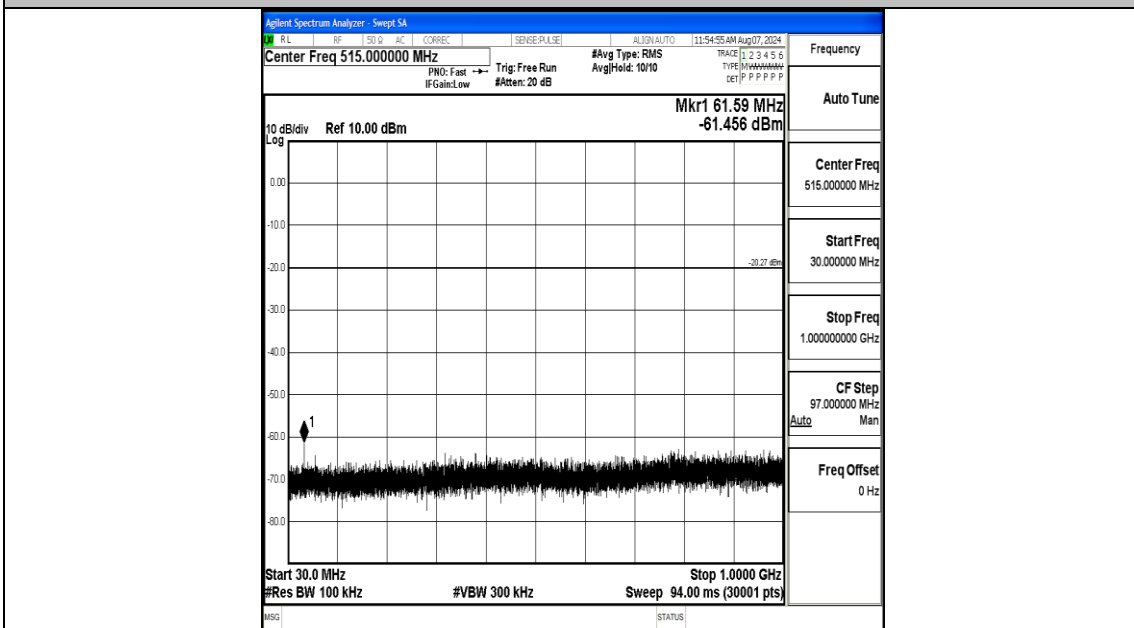
2DH5-Ant1-2402-30~1000-PASS



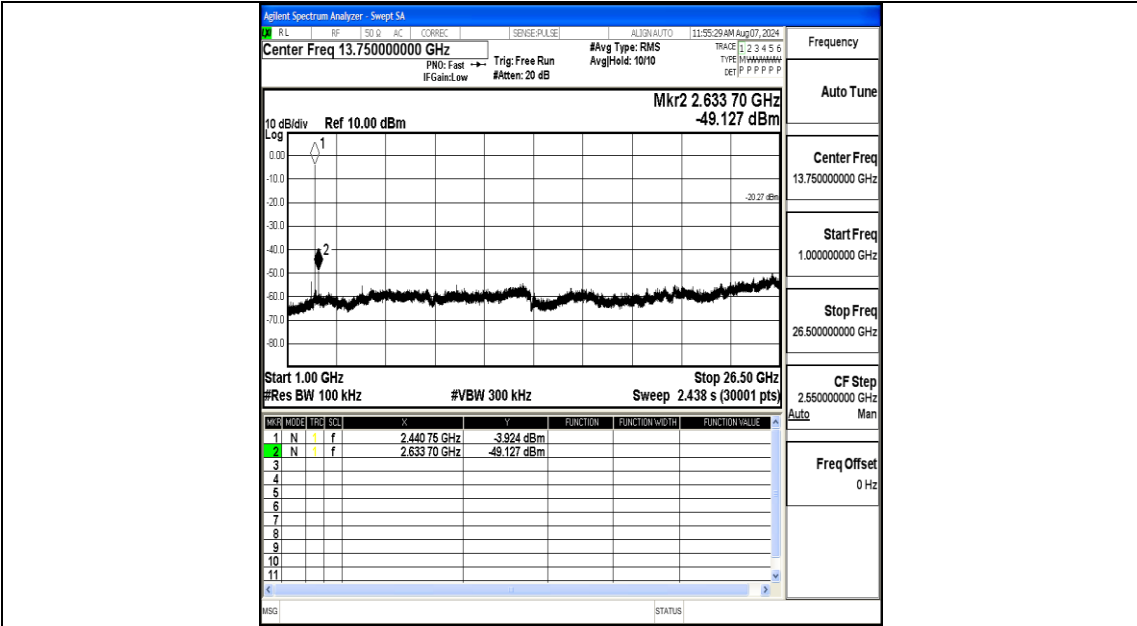
2DH5-Ant1-2402-1000~26500-PASS



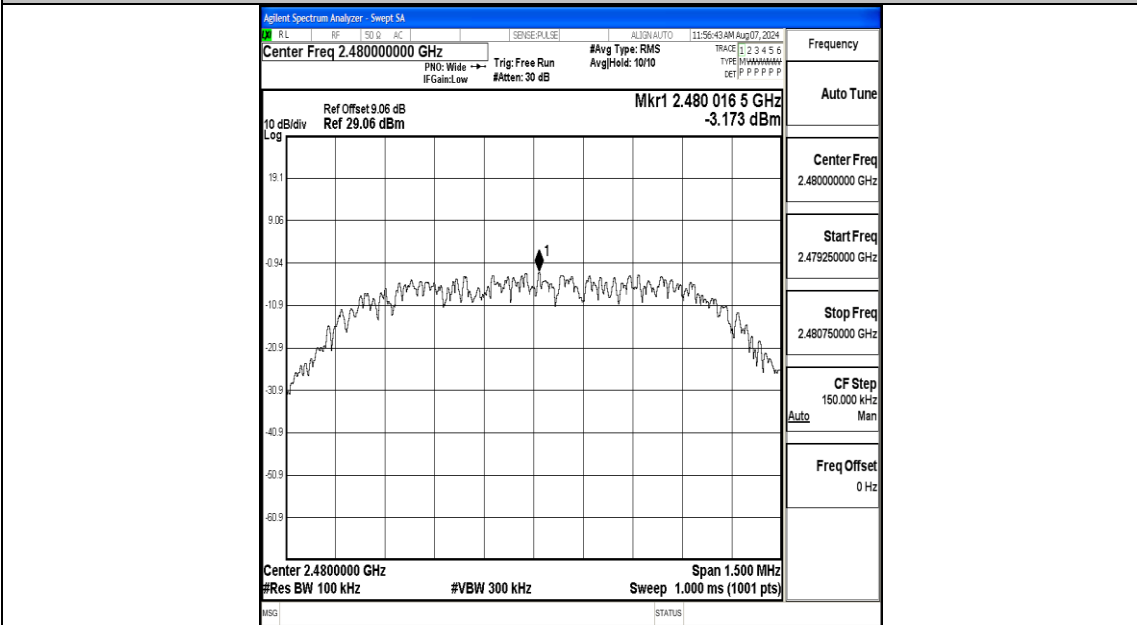
2DH5-Ant1-2441-0~Reference-PASS



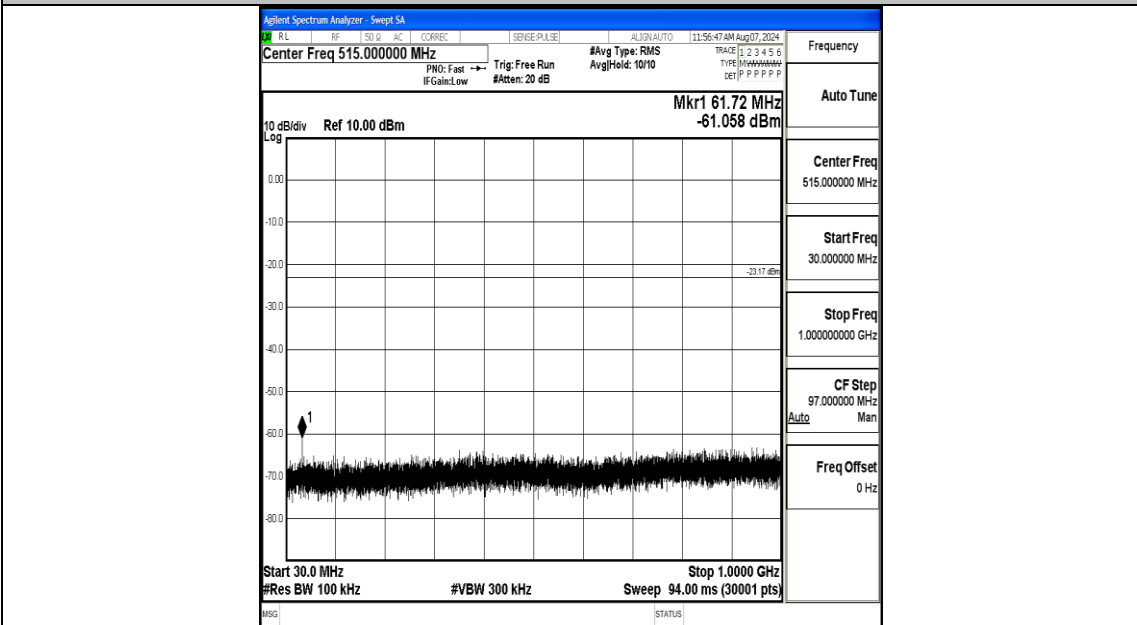
2DH5-Ant1-2441-30~1000-PASS



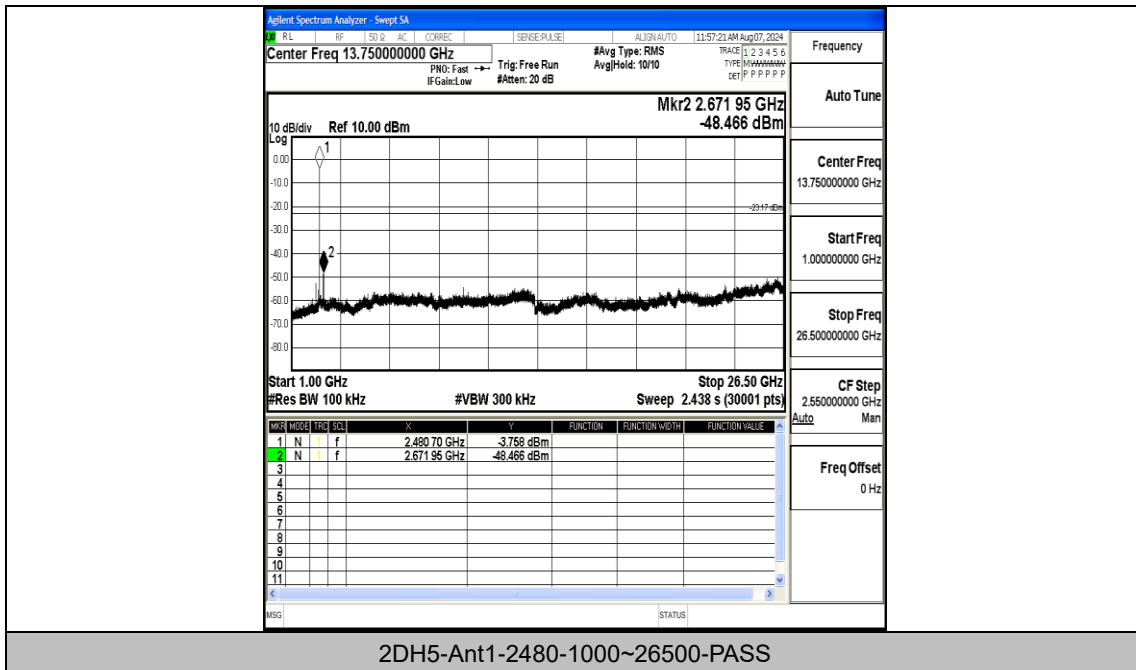
2DH5-Ant1-2441-1000~26500-PASS



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



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

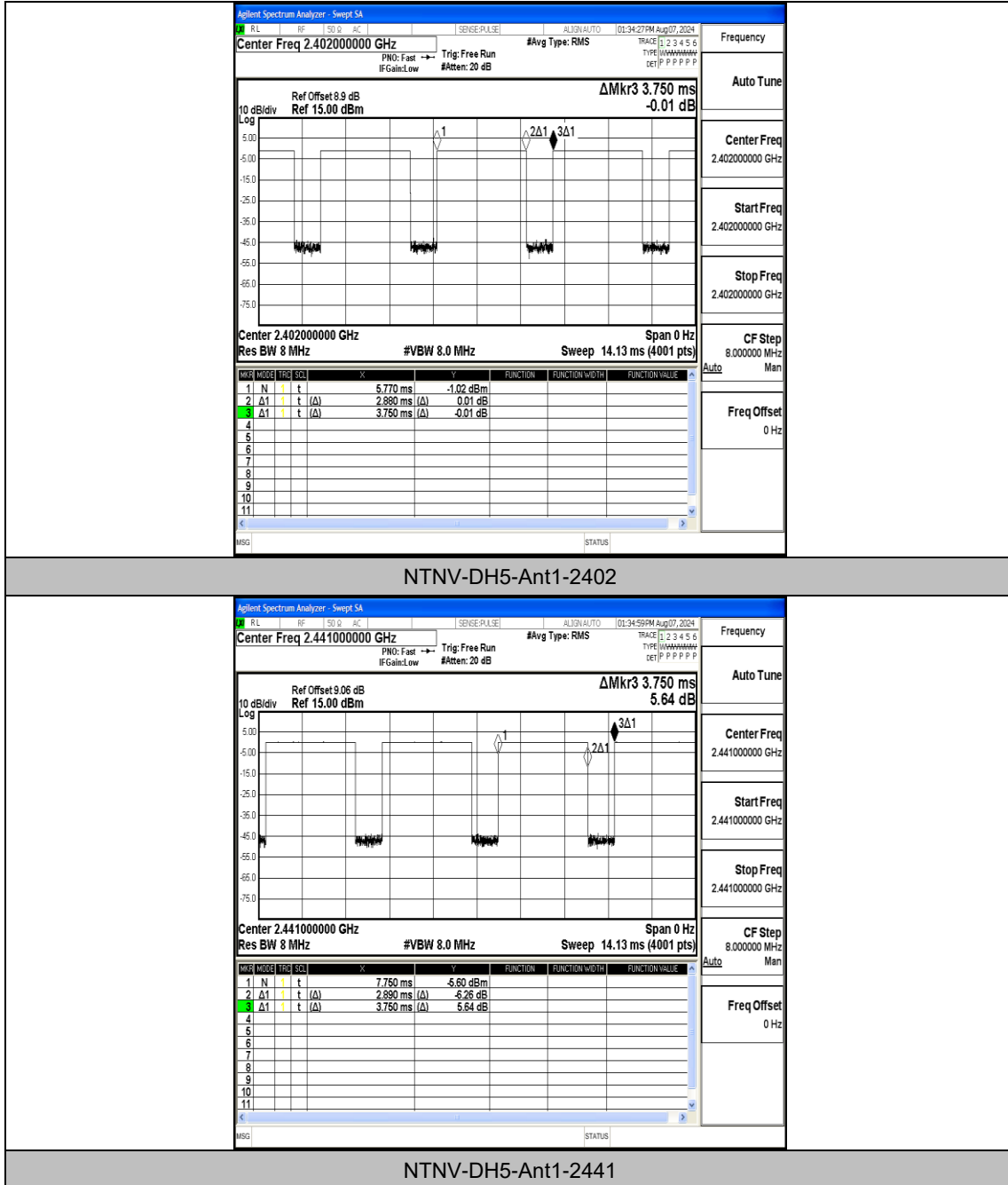


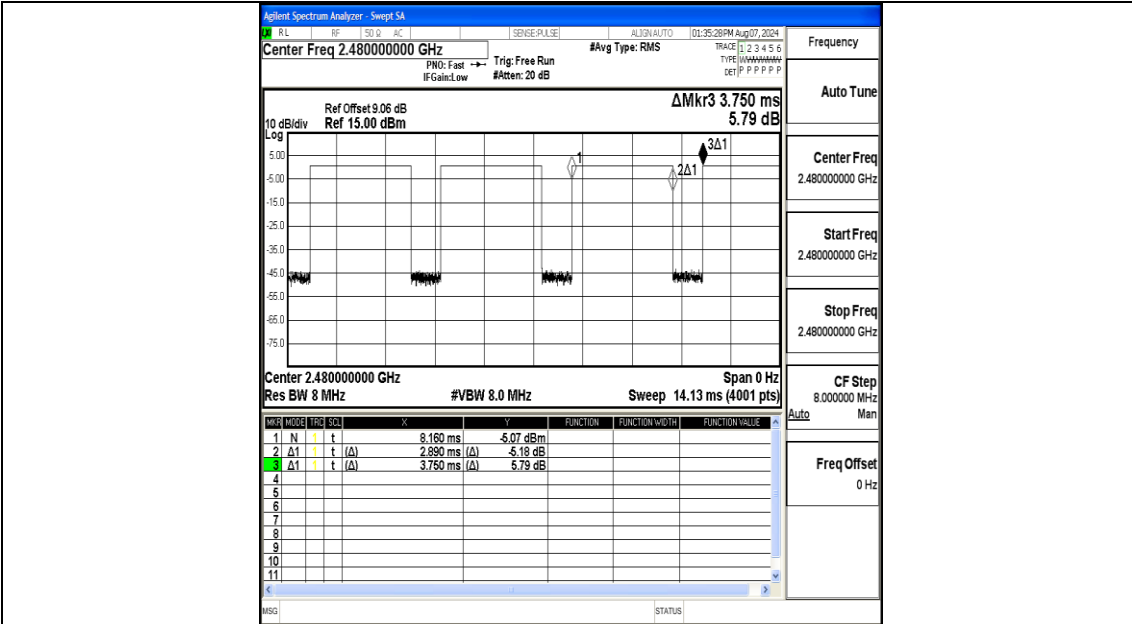
Appendix I: Duty Cycle

Test Result

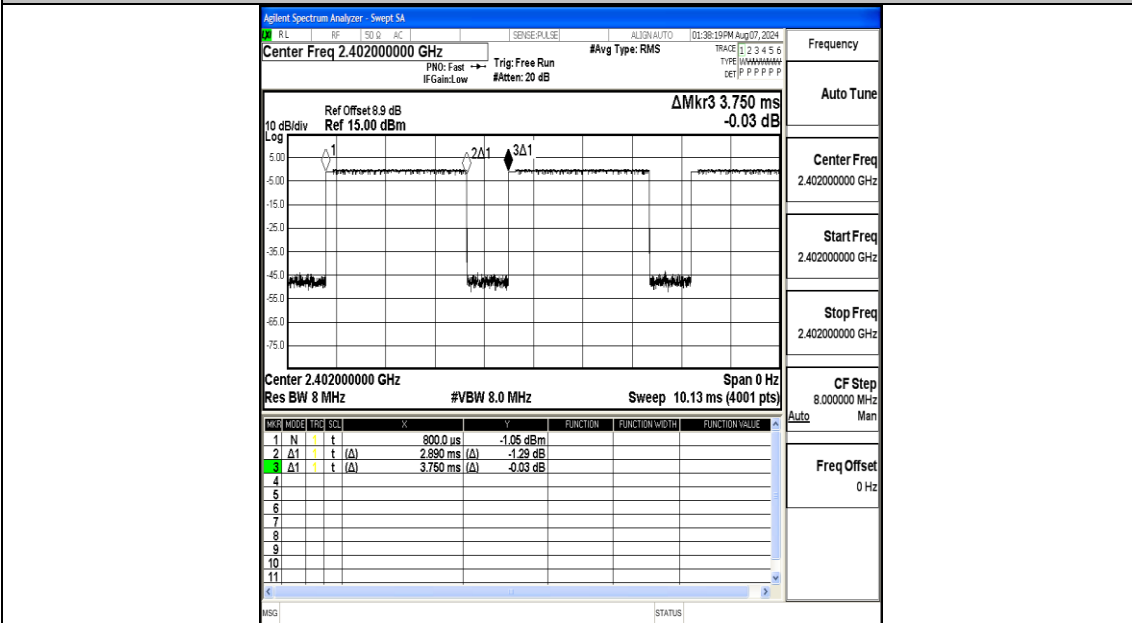
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.89	3.75	77.07	1.13
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07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

Test Graphs

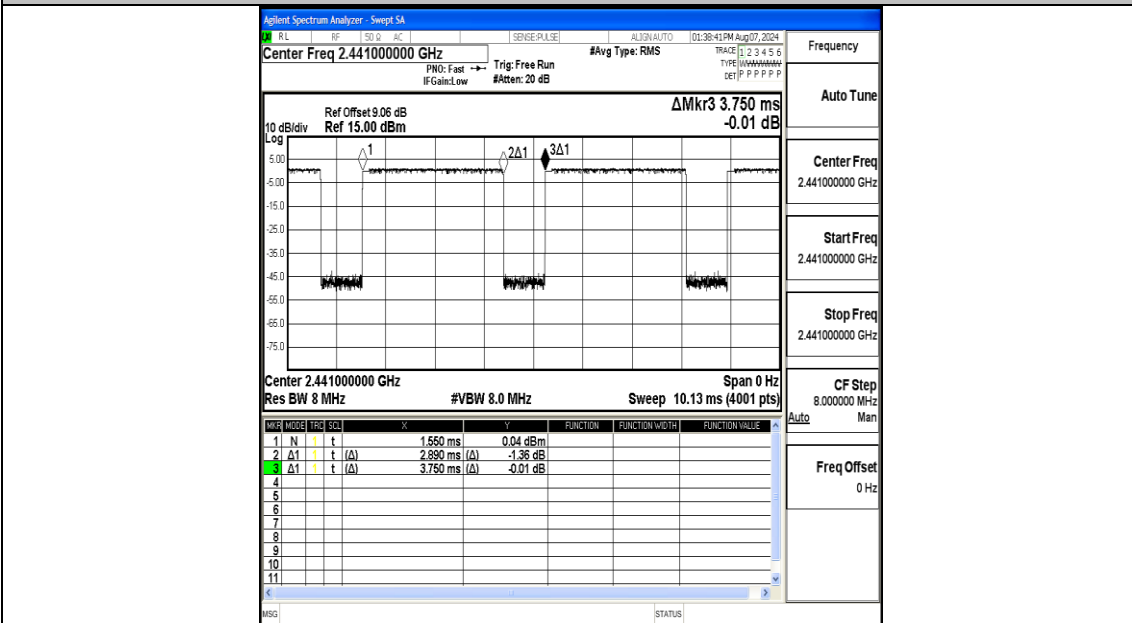




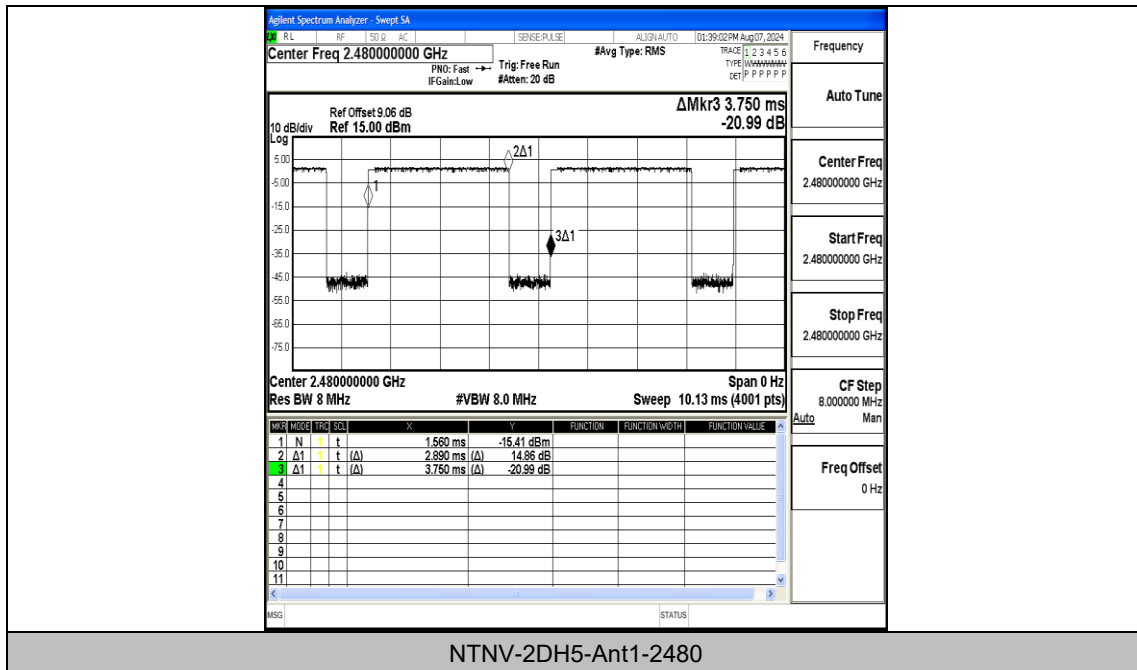
NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480