

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

Product Name: TRUE WIRELESS STEREO BT EARPHONES

Trade Mark: aigo

Test Model: TU01

FCC ID: 2ASNB-TU01

Environmental Conditions

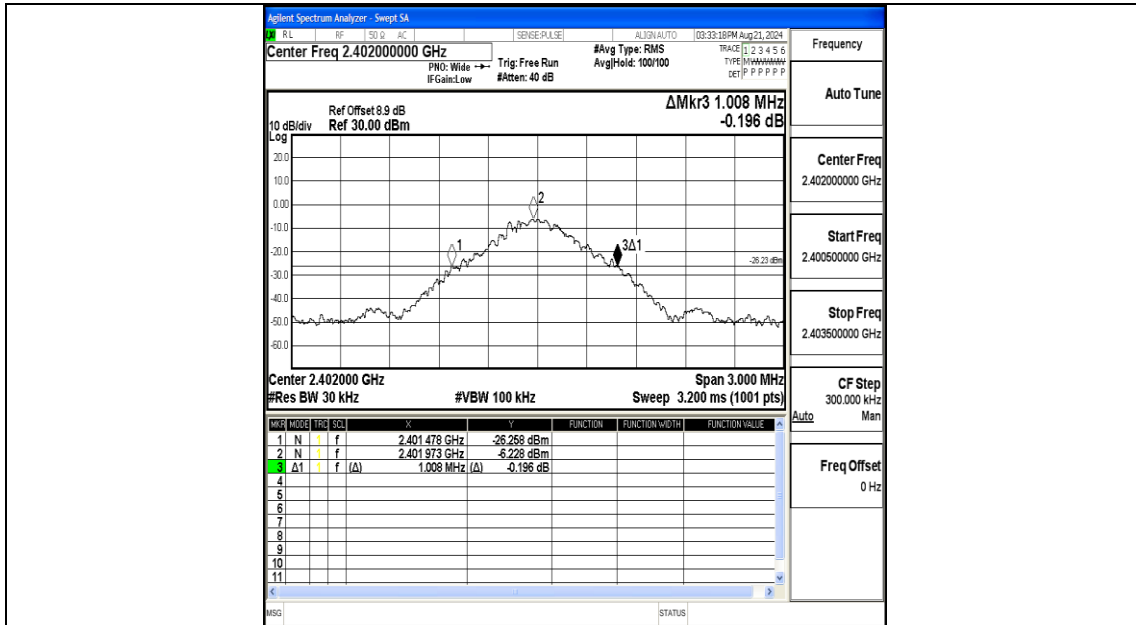
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

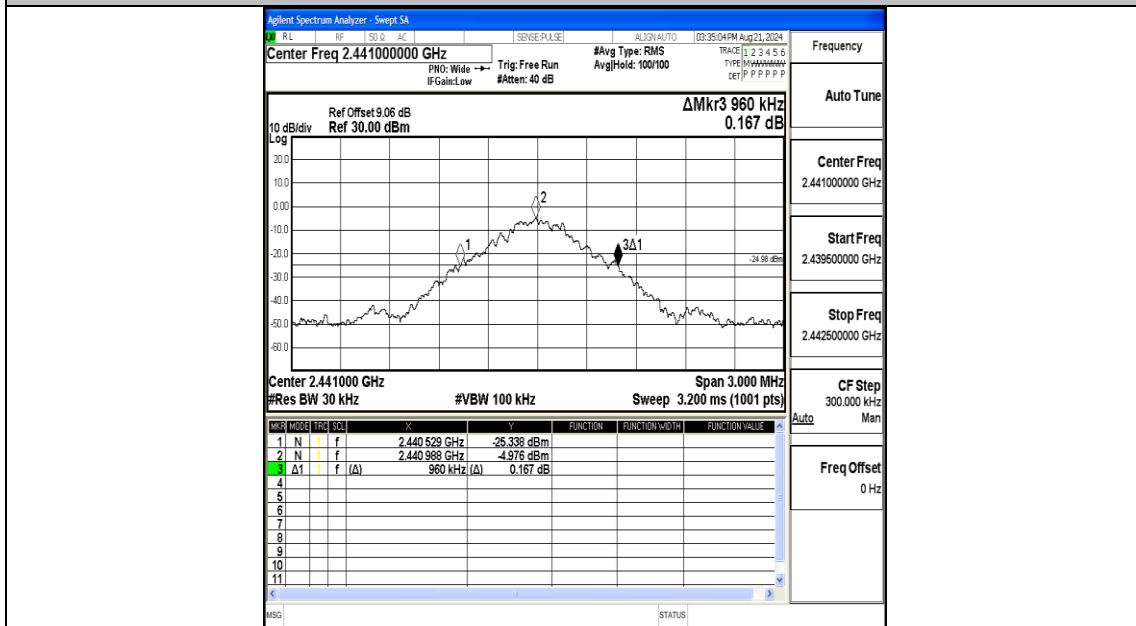
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.008	2401.478	2402.486	---	---
DH5	Ant1	2441	0.960	2440.529	2441.489	---	---
DH5	Ant1	2480	1.002	2479.493	2480.495	---	---
2DH5	Ant1	2402	1.317	2401.331	2402.648	---	---
2DH5	Ant1	2441	1.293	2440.361	2441.654	---	---
2DH5	Ant1	2480	1.293	2479.358	2480.651	---	---

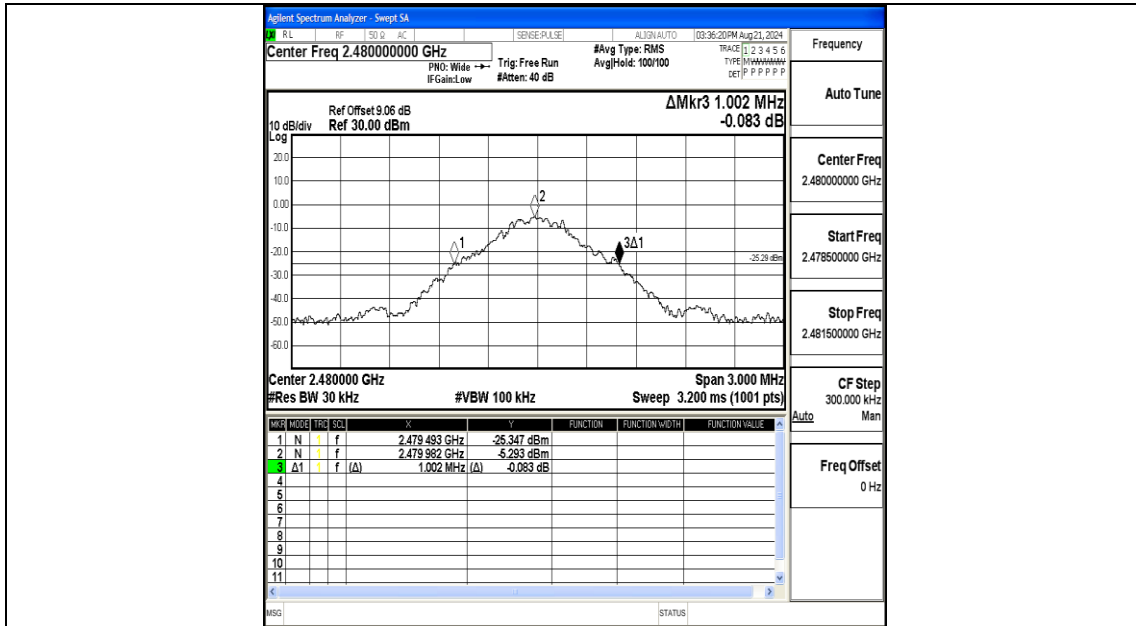
Test Graphs



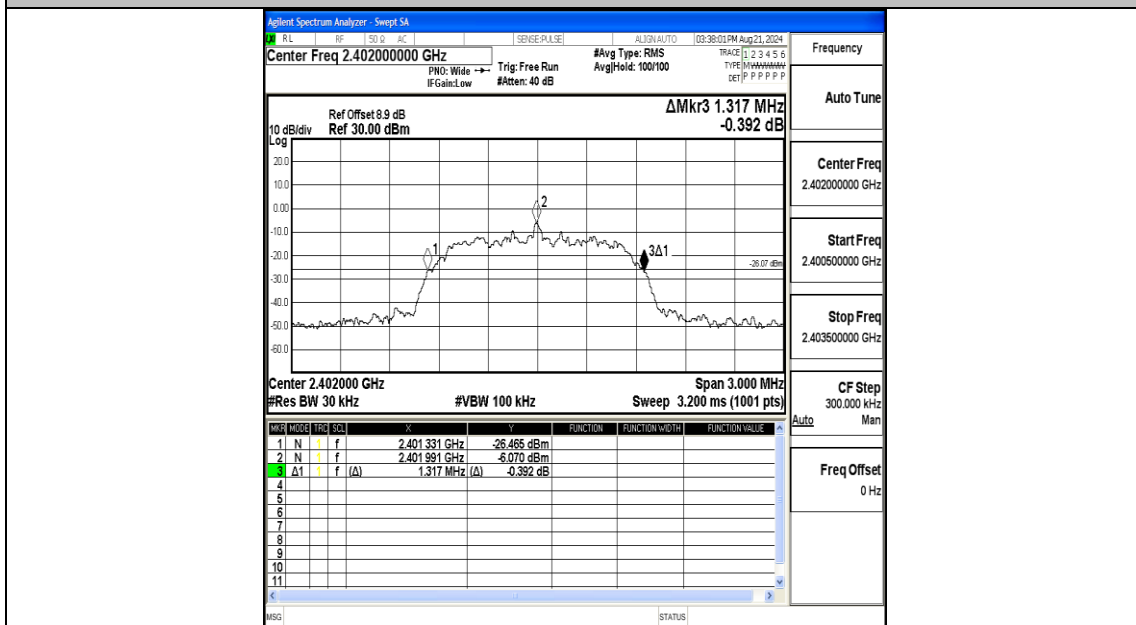
DH5-Ant1-2402



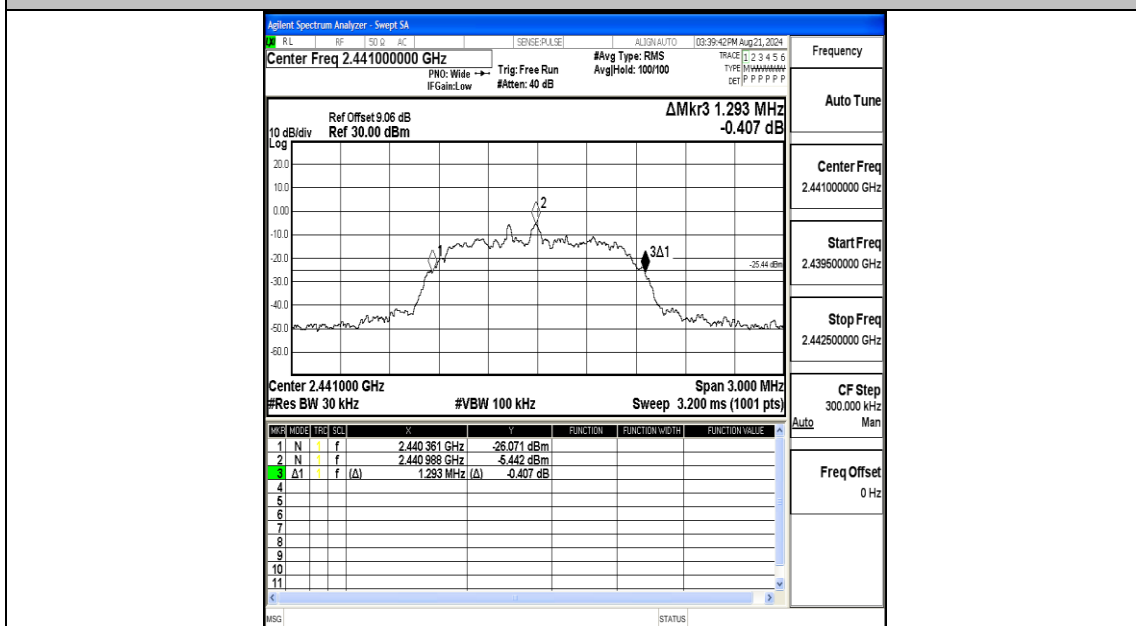
DH5-Ant1-2441



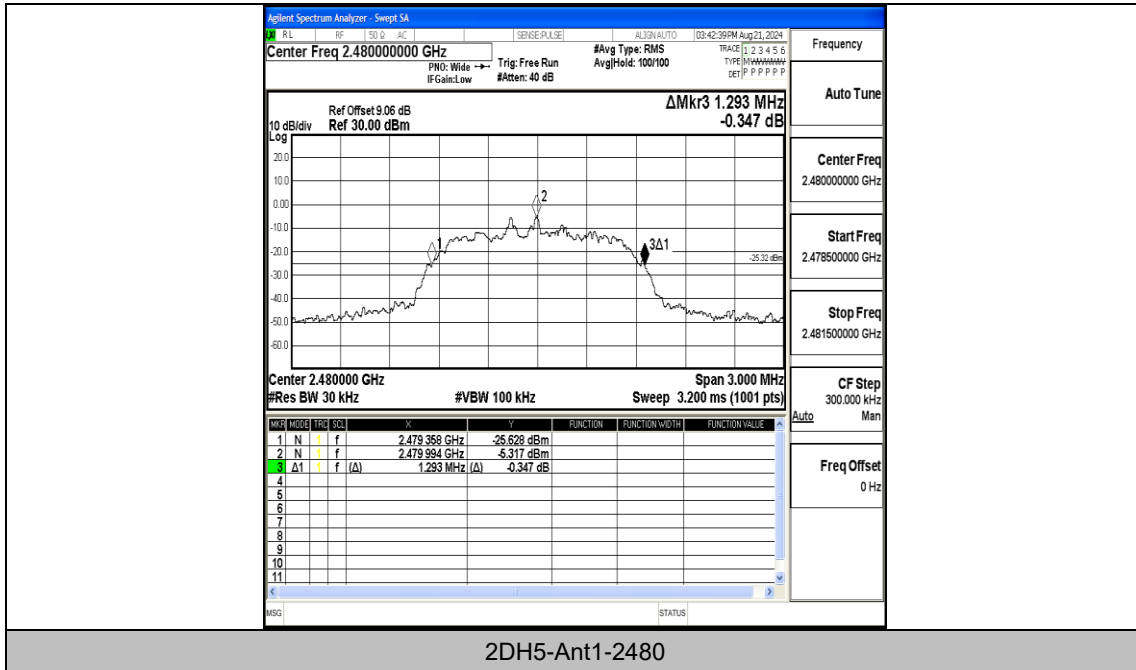
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

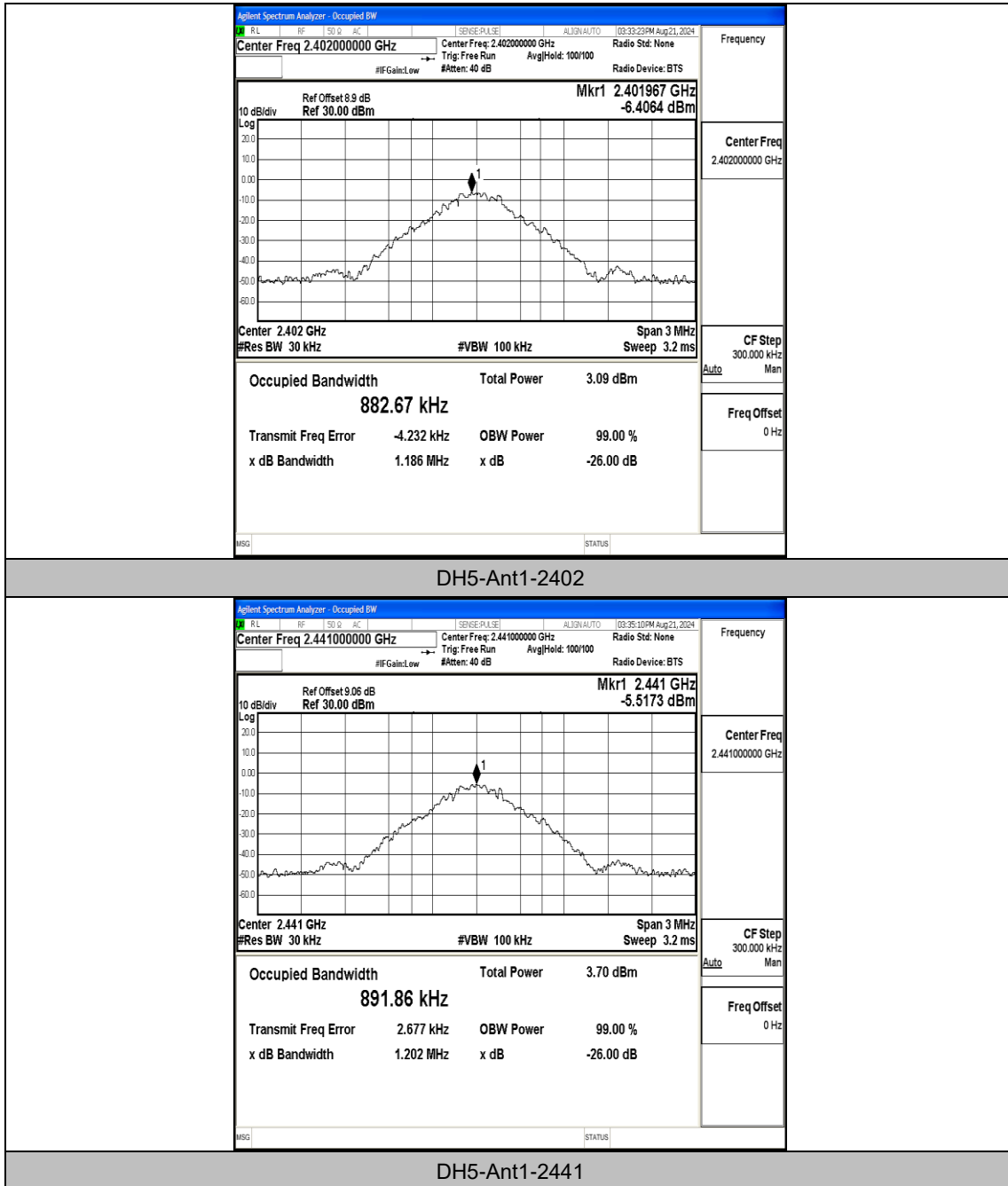


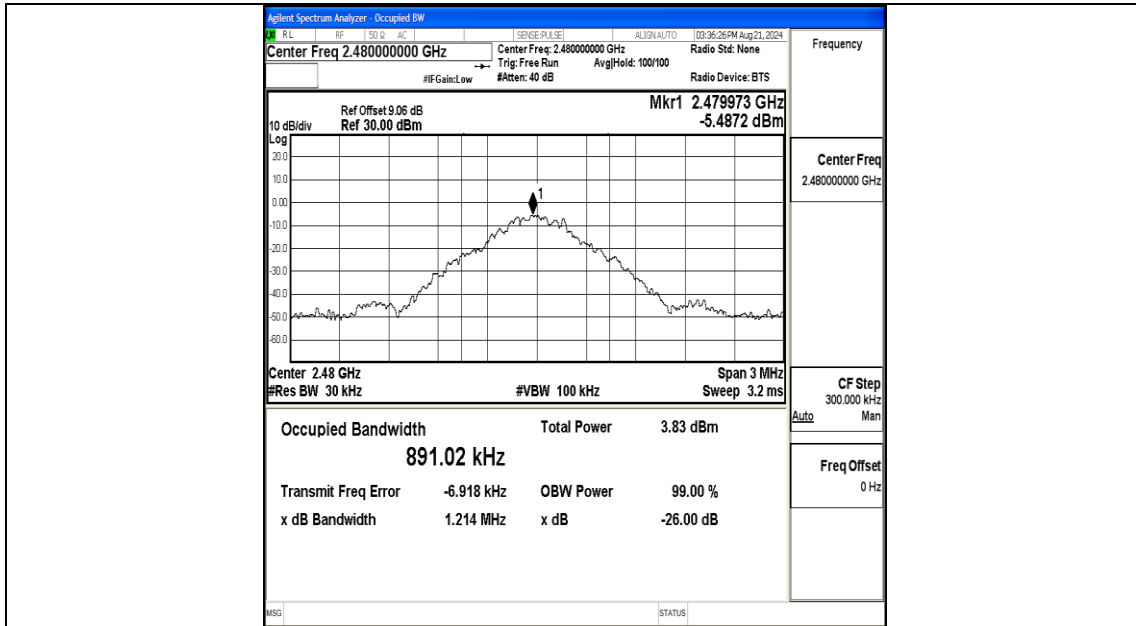
Appendix B: Occupied Channel Bandwidth

Test Result

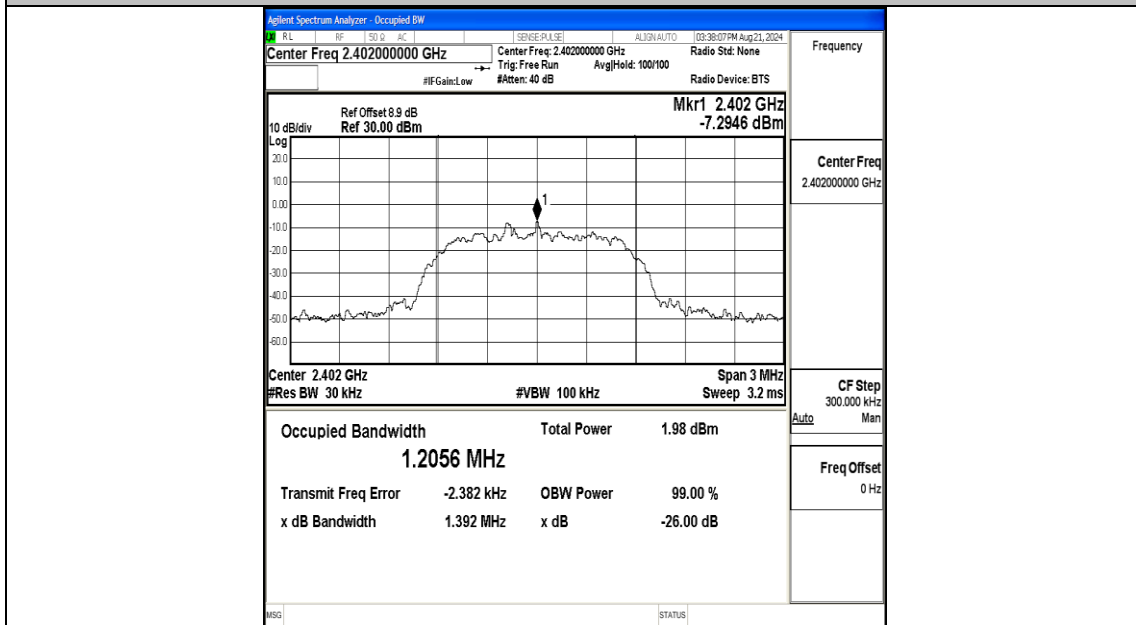
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88267	2401.5544	2402.4371	---	---
DH5	Ant1	2441	0.89186	2440.5568	2441.4486	---	---
DH5	Ant1	2480	0.89102	2479.5476	2480.4386	---	---
2DH5	Ant1	2402	1.2056	2401.3948	2402.6004	---	---
2DH5	Ant1	2441	1.1957	2440.3982	2441.5939	---	---
2DH5	Ant1	2480	1.1993	2479.3974	2480.5967	---	---

Test Graphs

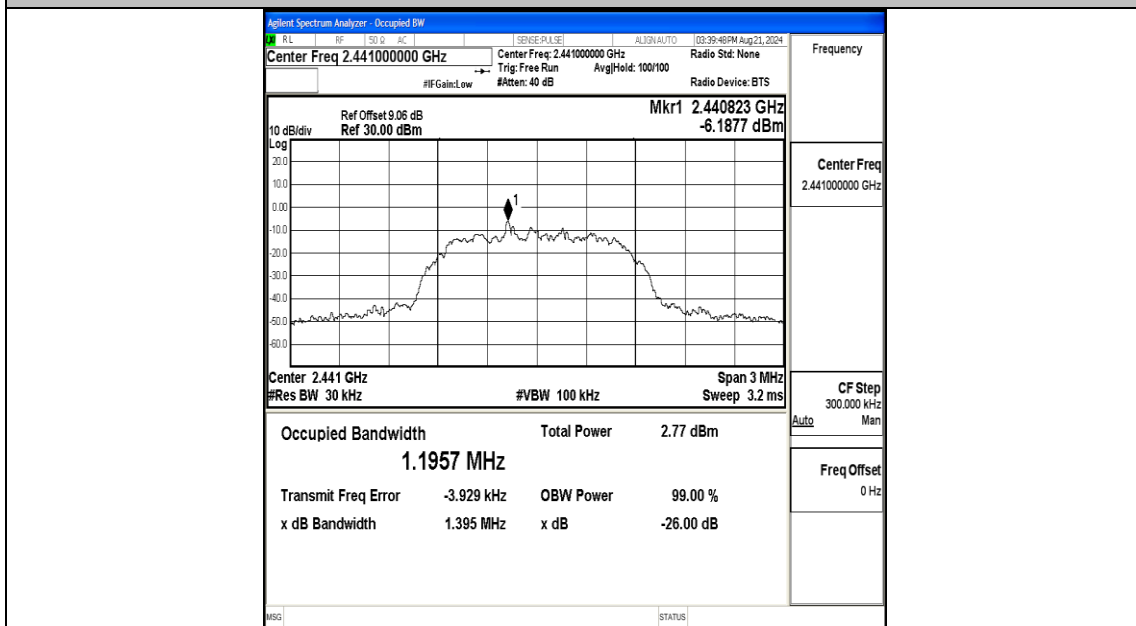




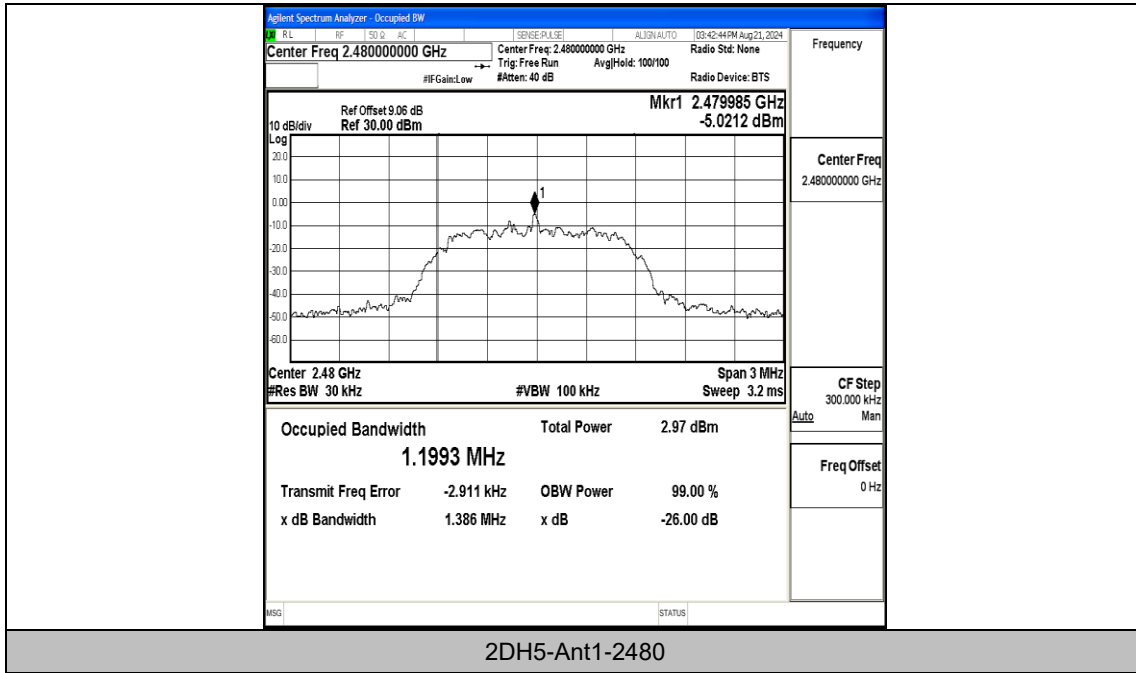
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

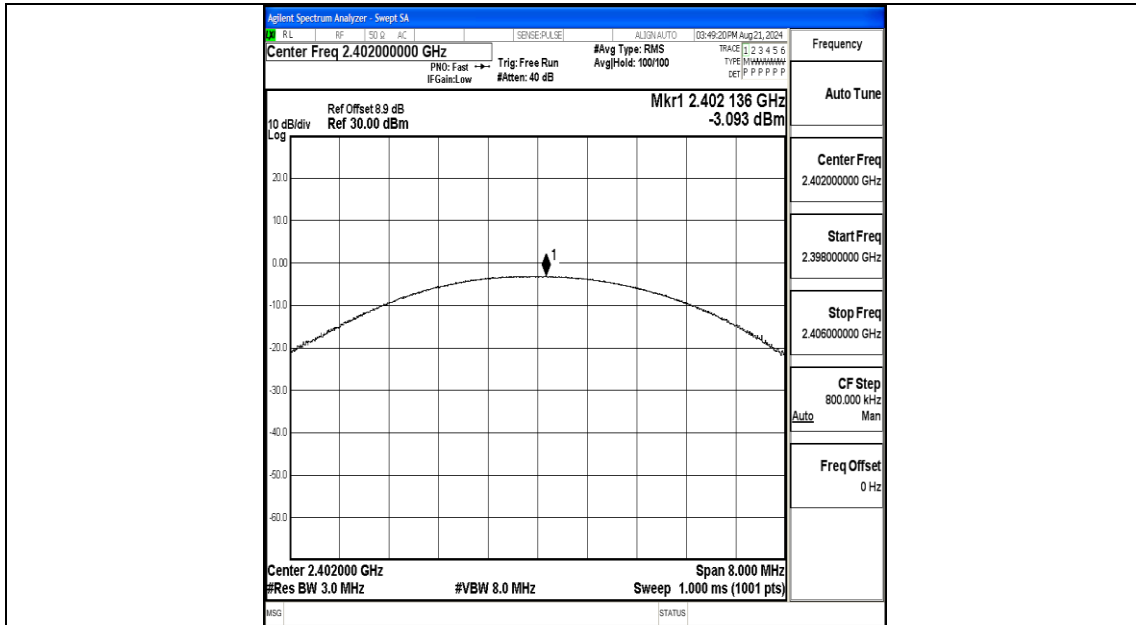


Appendix C: Maximum peak conducted output power

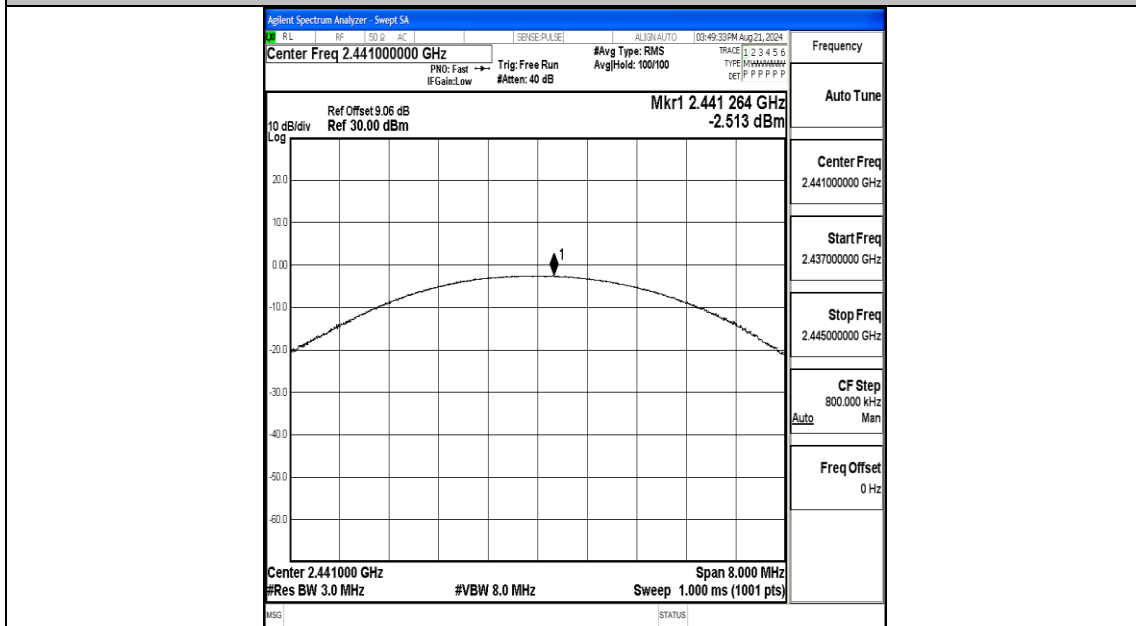
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.09	≤30	PASS
DH5	Ant1	2441	-2.51	≤30	PASS
DH5	Ant1	2480	-2.43	≤30	PASS
2DH5	Ant1	2402	-2.42	≤20.97	PASS
2DH5	Ant1	2441	-1.80	≤20.97	PASS
2DH5	Ant1	2480	-1.75	≤20.97	PASS

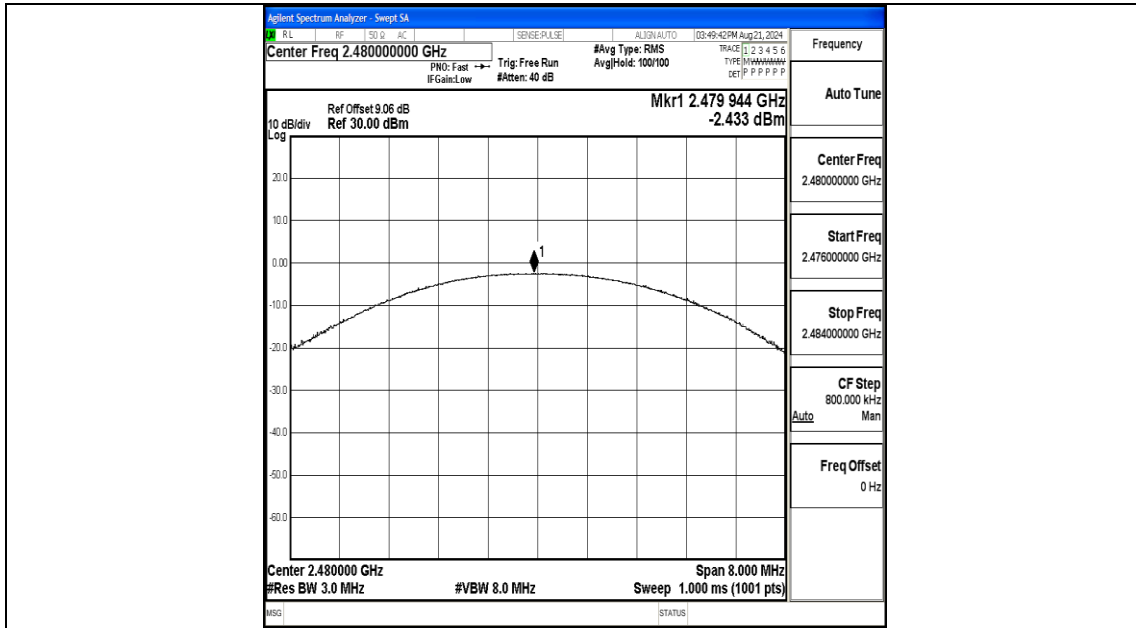
Test Graphs



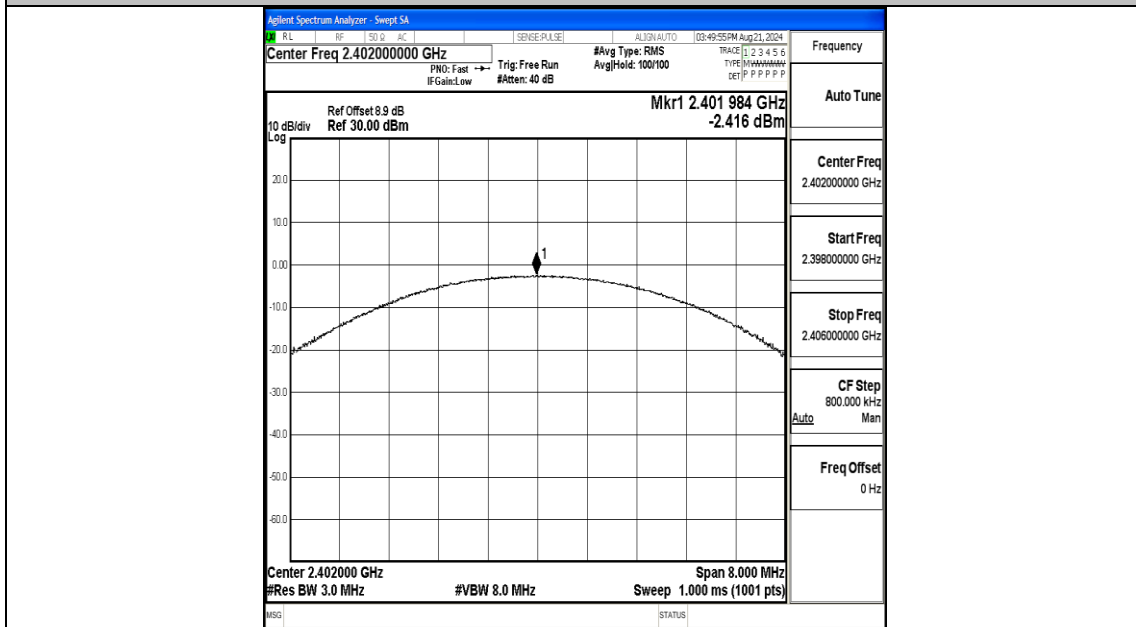
DH5-Ant1-2402-PASS



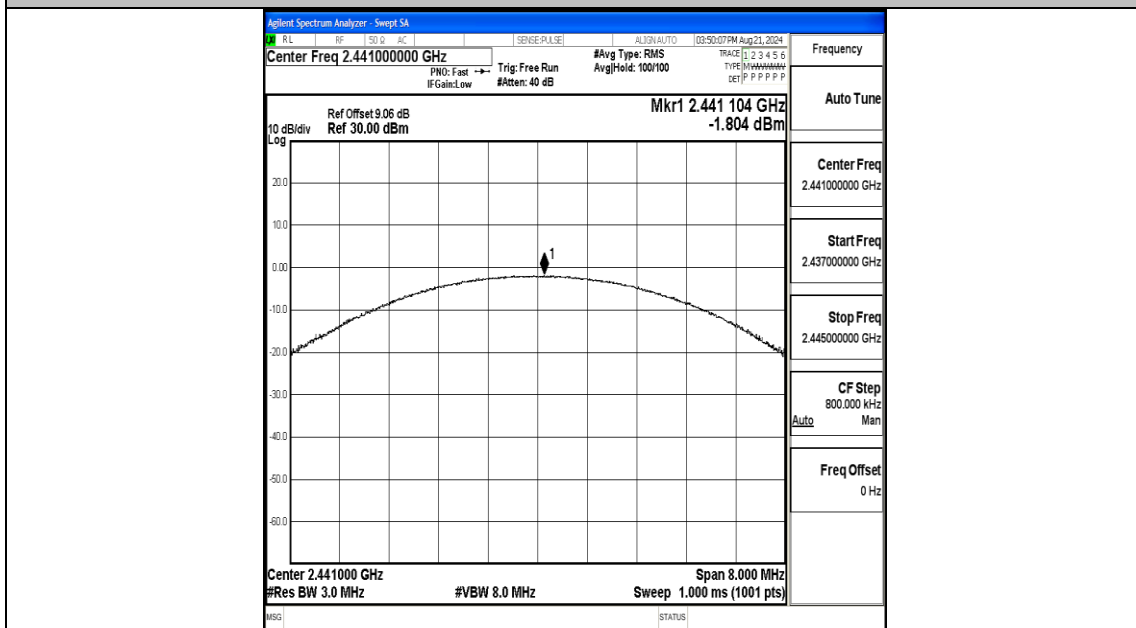
DH5-Ant1-2441-PASS



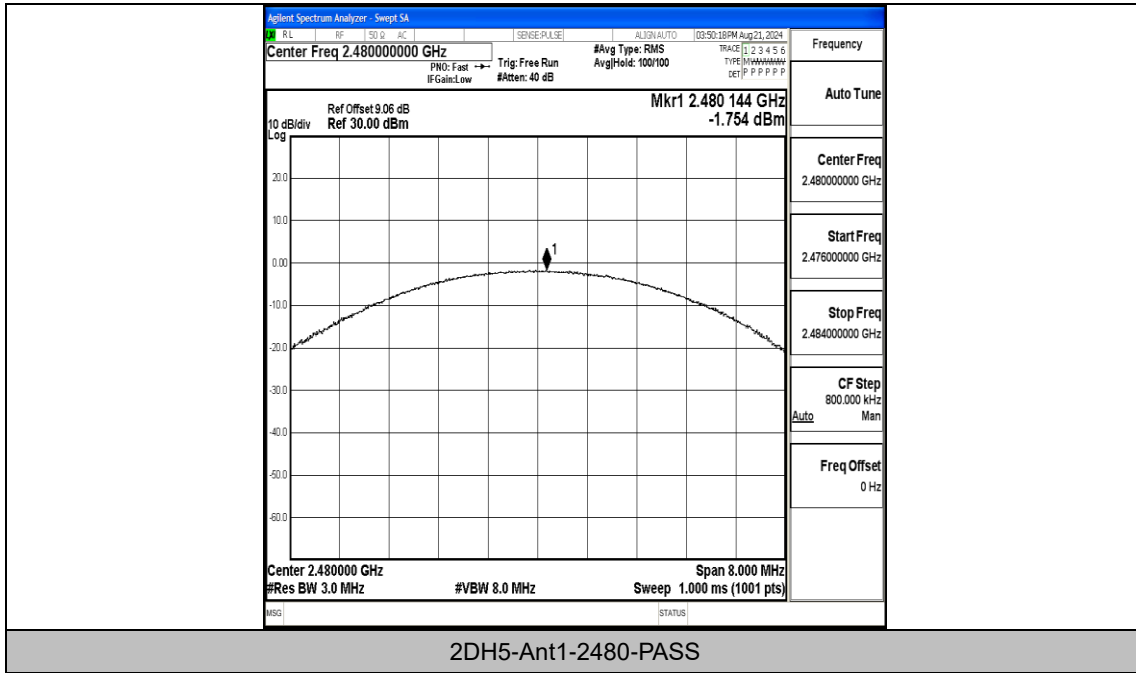
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

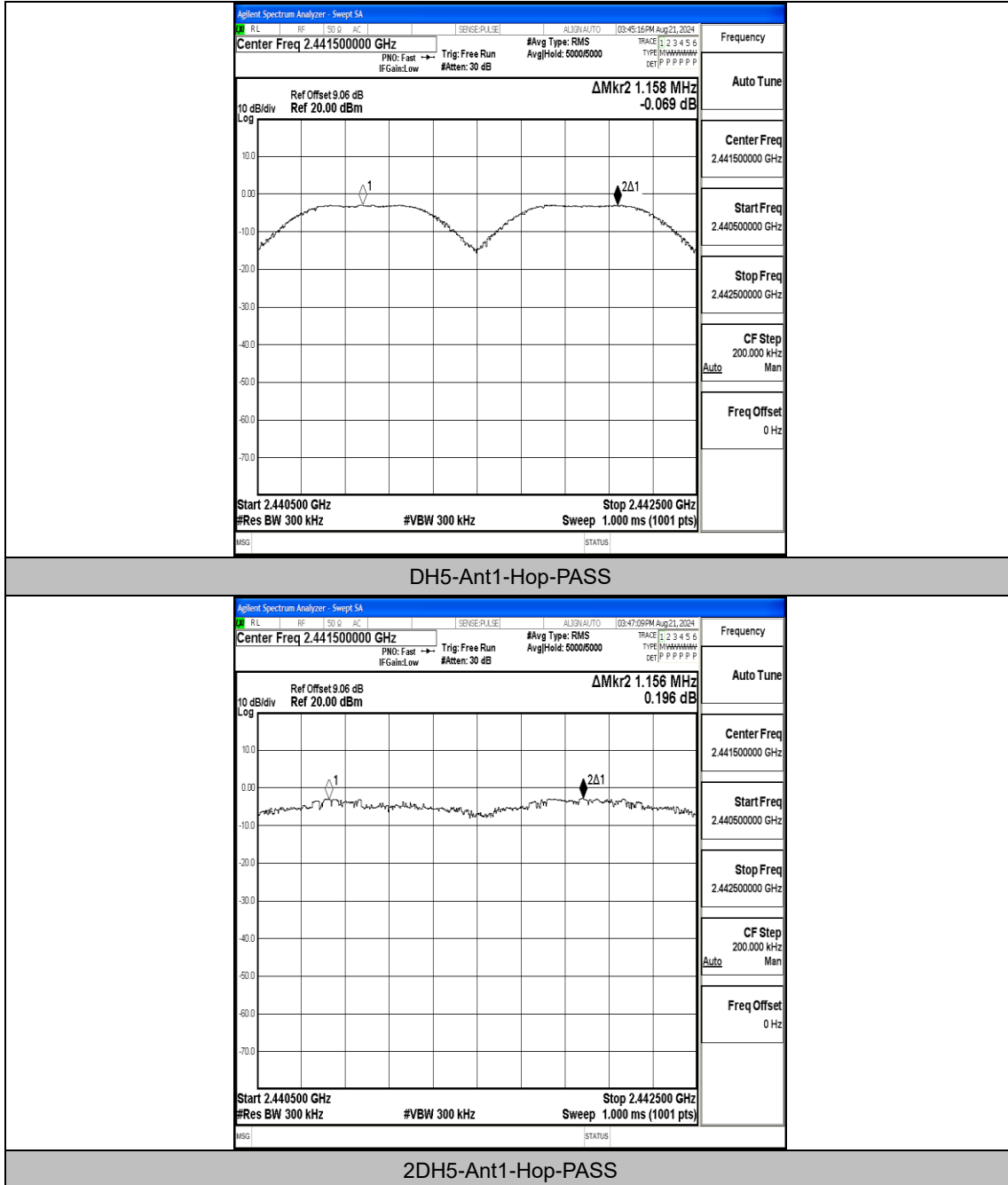


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.158	≥ 1.008	PASS
2DH5	Ant1	Hop	1.156	≥ 0.878	PASS

Test Graphs

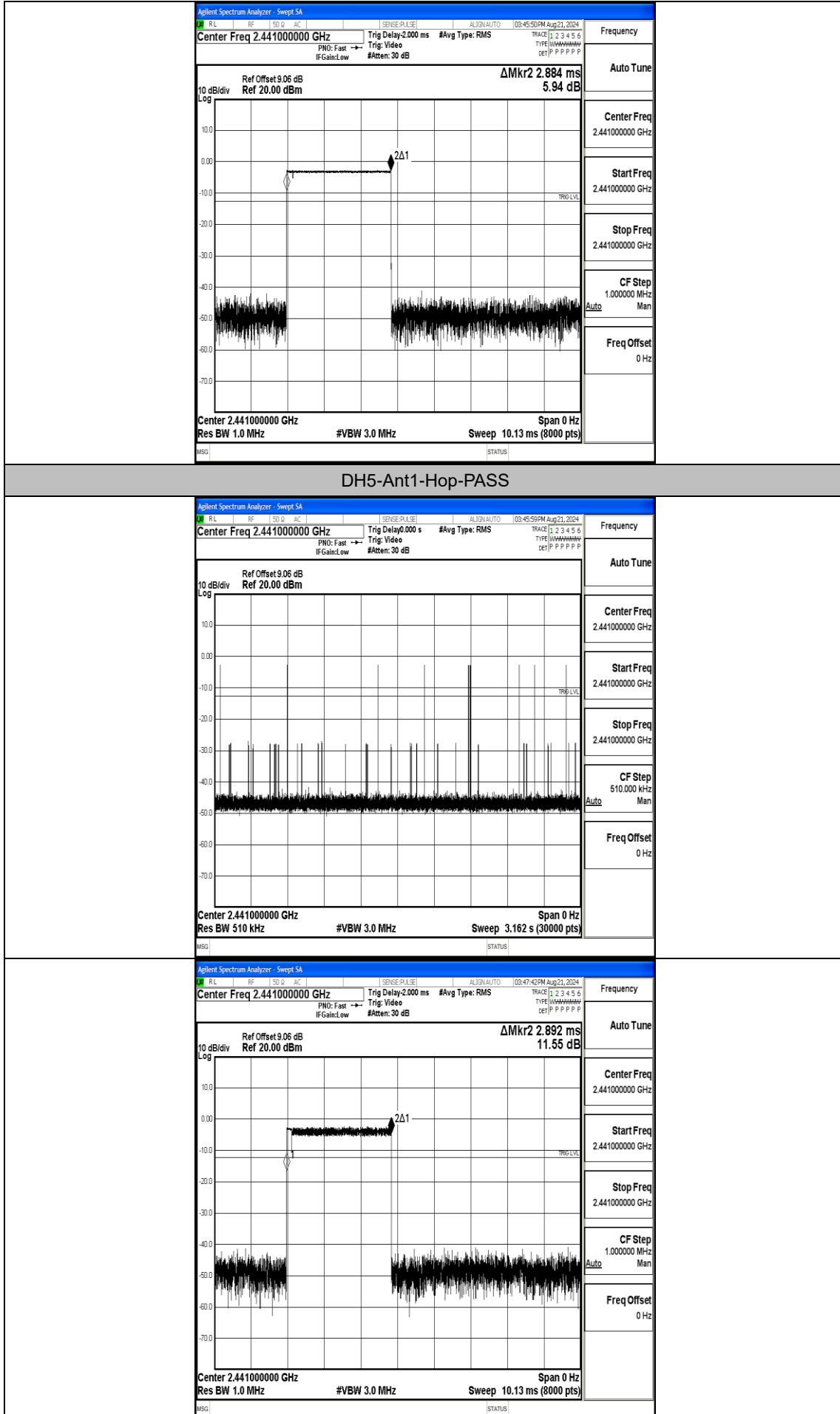


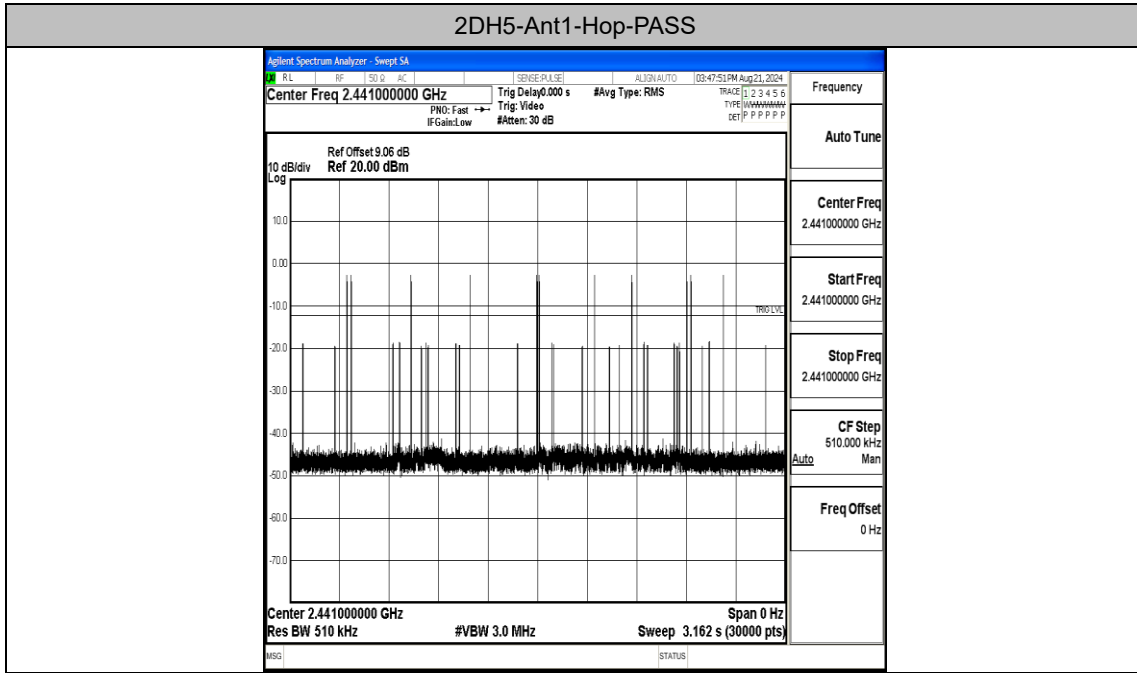
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.884	100	0.288	≤0.4	PASS
2DH5	Ant1	Hop	2.892	120	0.347	≤0.4	PASS

Test Graphs



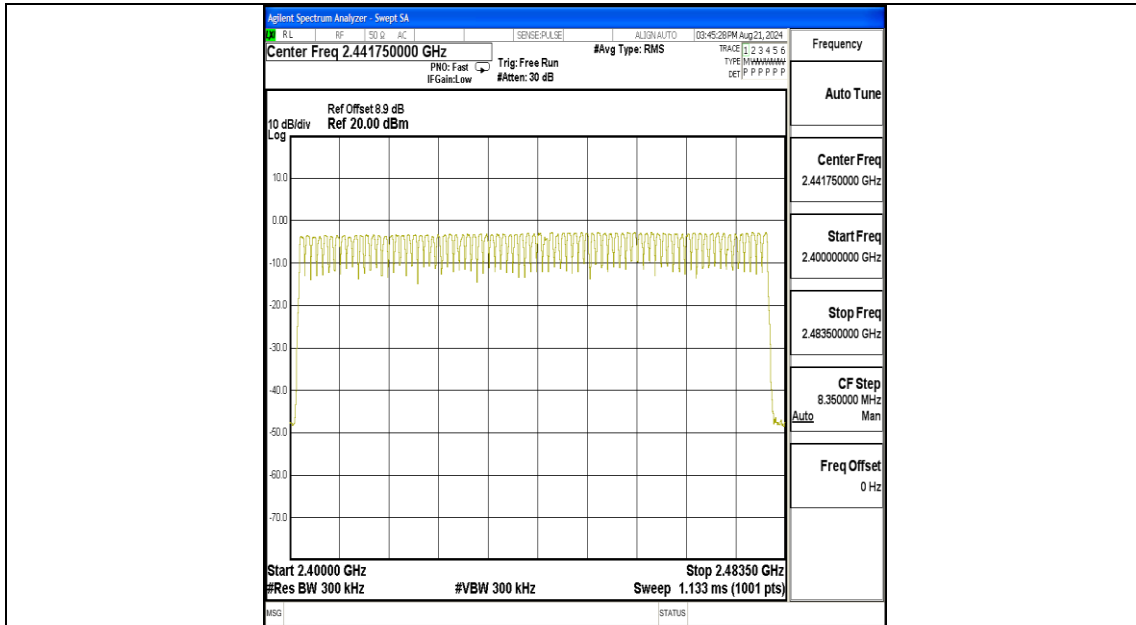


Appendix F: Number of hopping channels

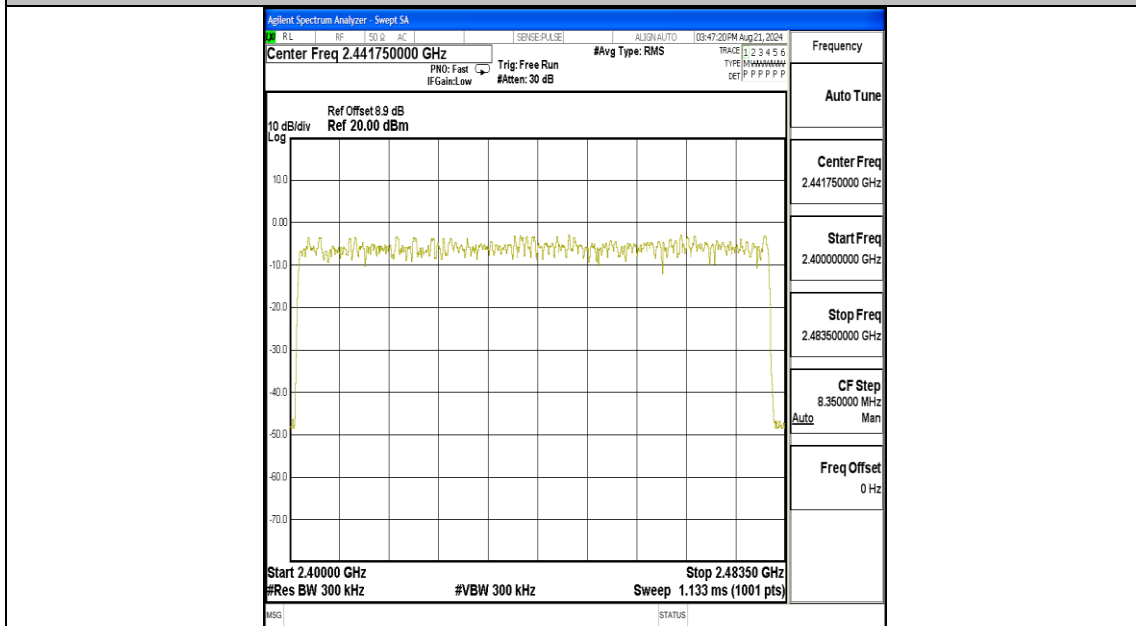
Test Result

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



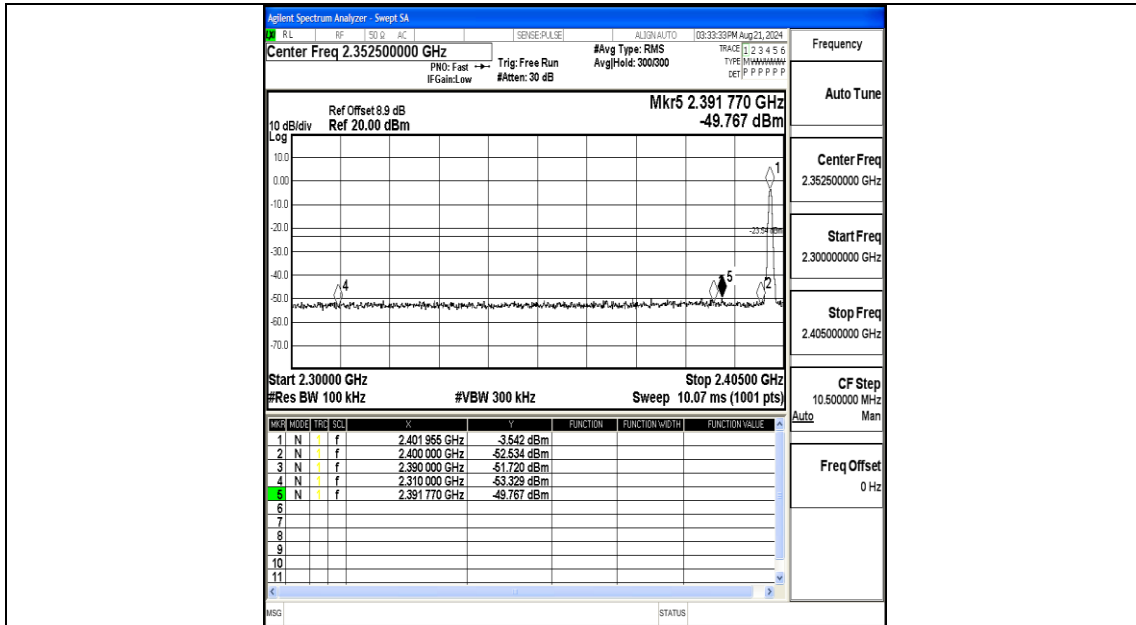
2DH5-Ant1-Hop-PASS

Appendix G: Band edge measurements

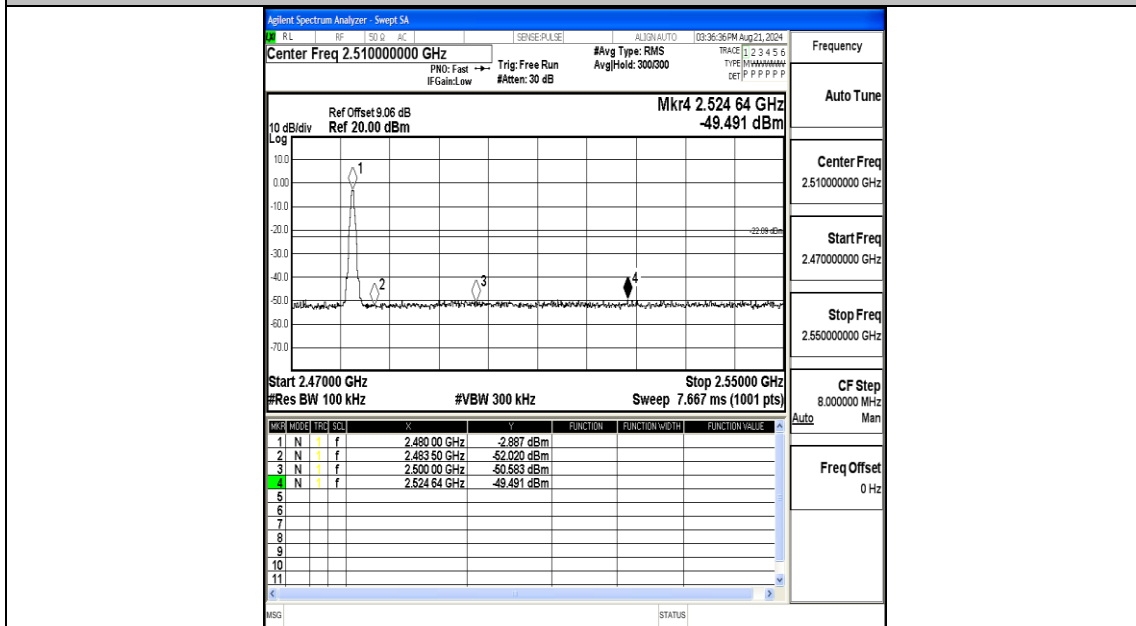
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-3.54	-49.77	≤-23.54	PASS
DH5	Ant1	High	2480	-2.89	-49.49	≤-22.89	PASS
DH5	Ant1	Low	Hop_2402	-4.88	-50.4	≤-24.88	PASS
DH5	Ant1	High	Hop_2480	-3.05	-49.79	≤-23.05	PASS
2DH5	Ant1	Low	2402	-3.65	-50	≤-23.65	PASS
2DH5	Ant1	High	2480	-2.96	-48.32	≤-22.96	PASS
2DH5	Ant1	Low	Hop_2402	-3.98	-49.89	≤-23.98	PASS
2DH5	Ant1	High	Hop_2480	-6.08	-49.33	≤-26.08	PASS

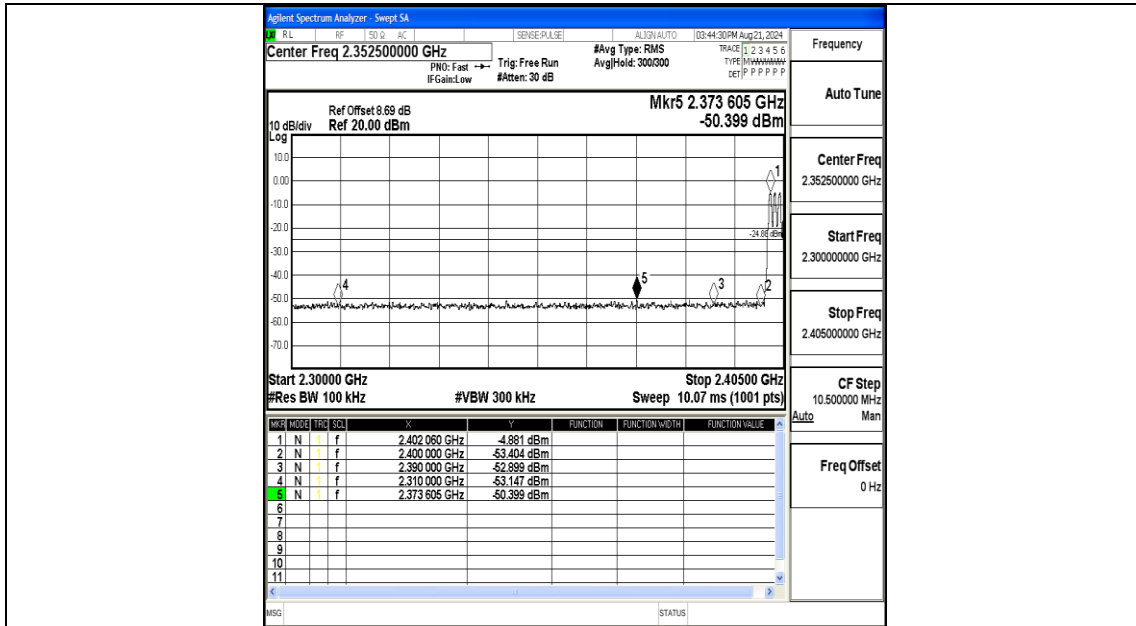
Test Graphs



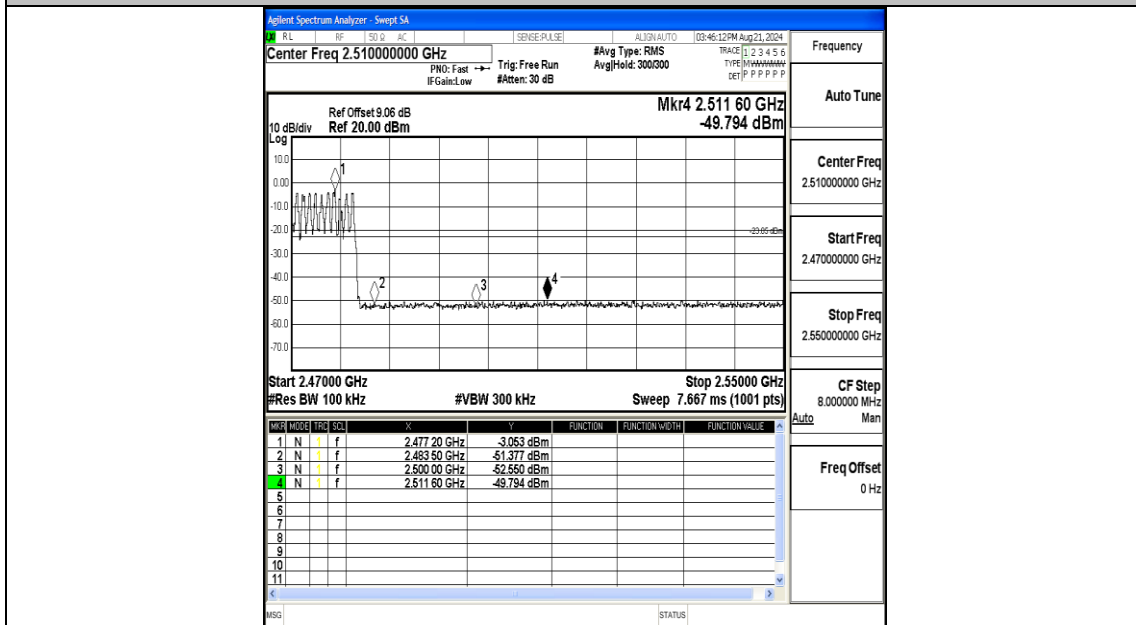
DH5-Ant1-2402-PASS



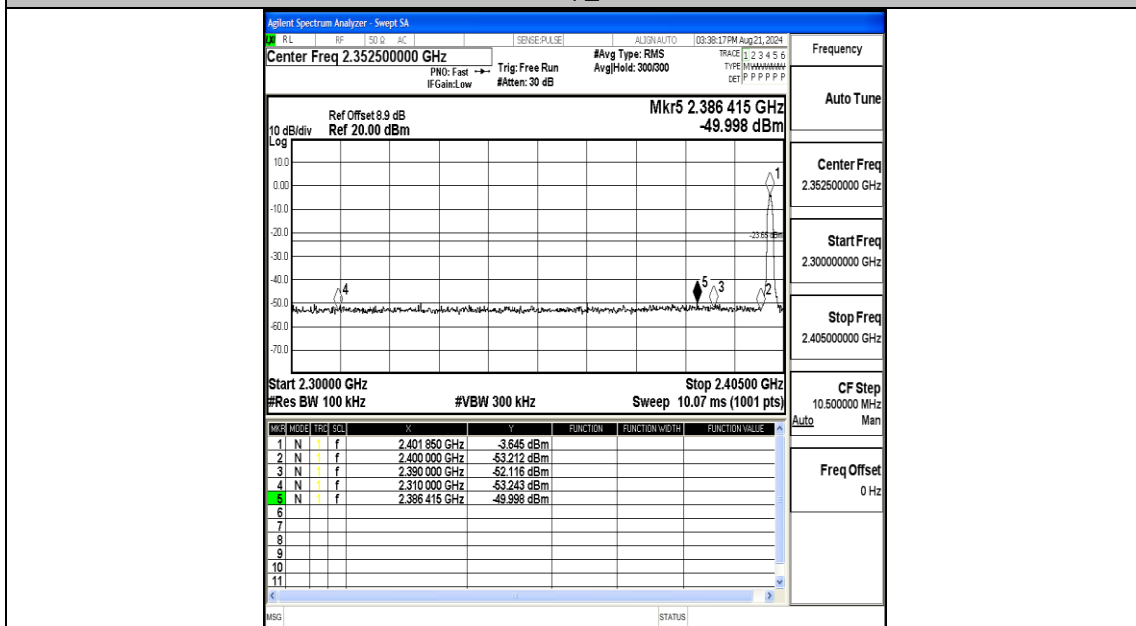
DH5-Ant1-2480-PASS



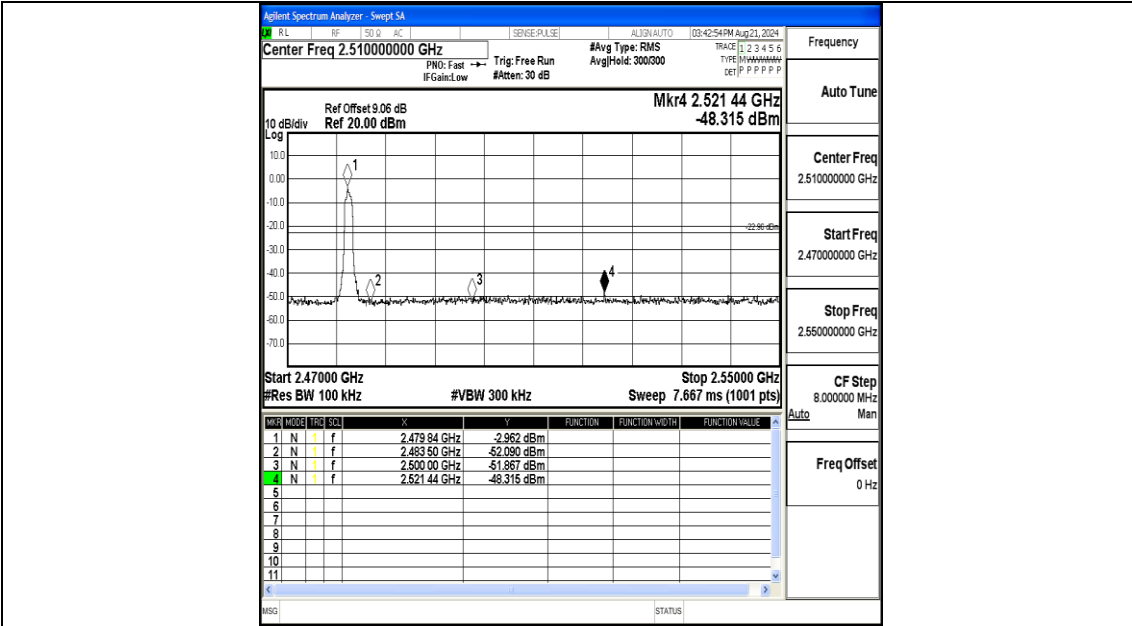
DH5-Ant1-Hop_2402-PASS



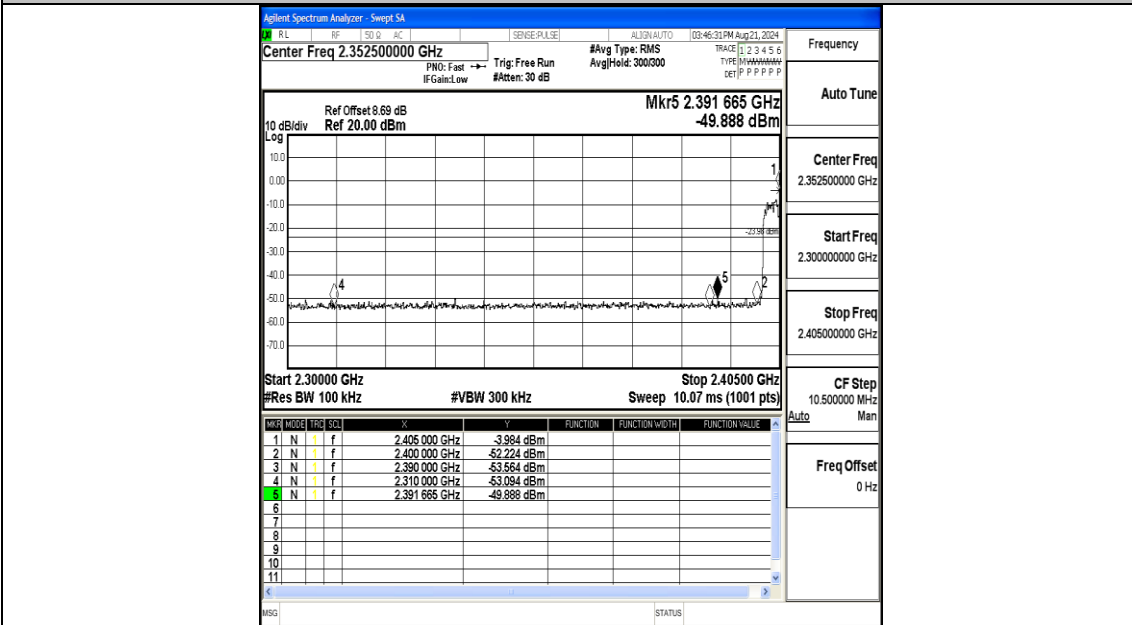
DH5-Ant1-Hop_2480-PASS



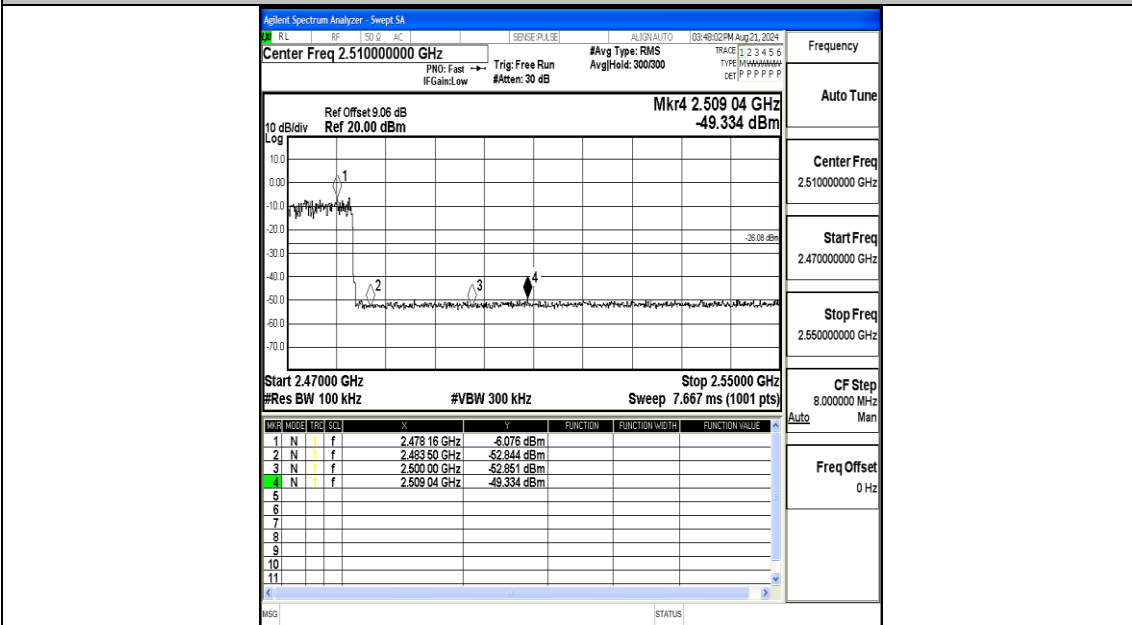
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



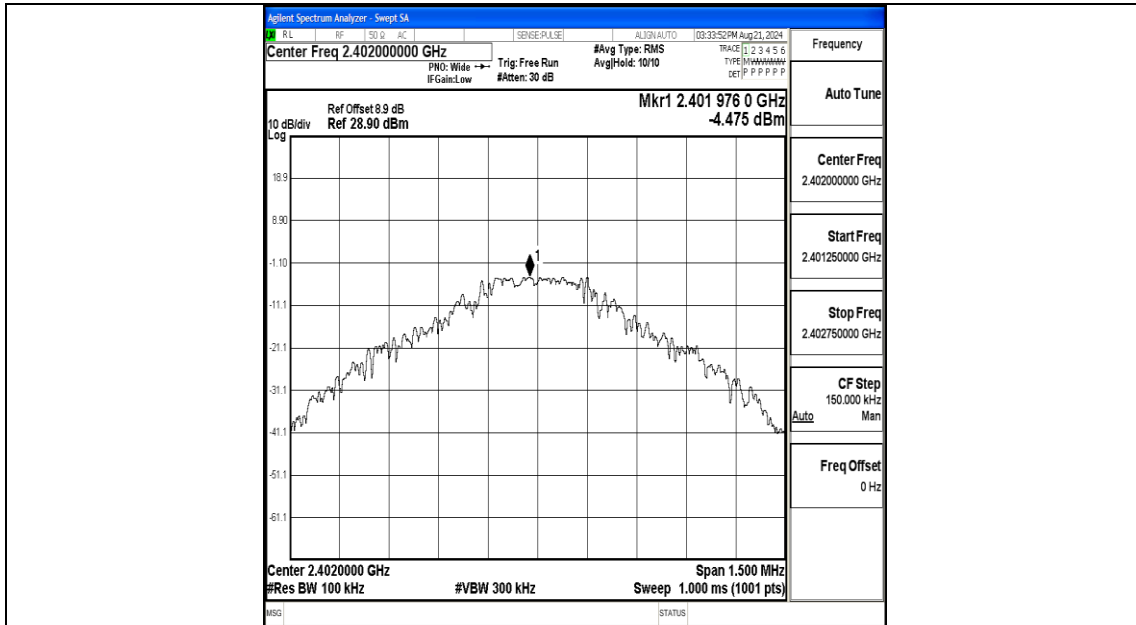
2DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

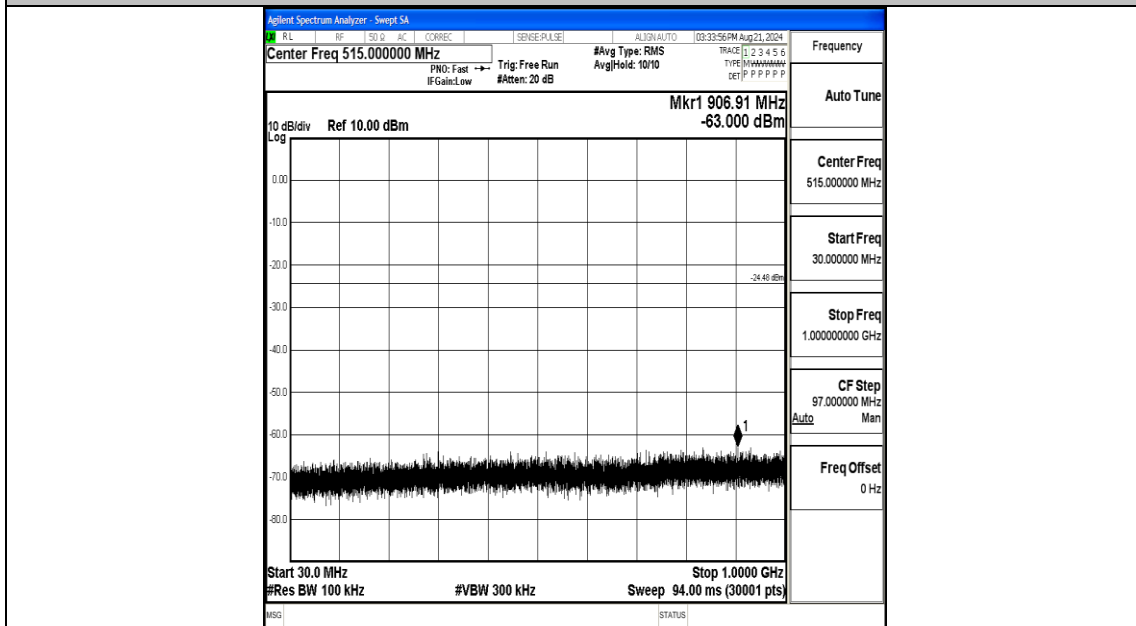
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.48	-4.48	---	PASS
DH5	Ant1	2402	30~1000	-4.48	-63	≤-24.48	PASS
DH5	Ant1	2402	1000~26500	-4.48	-47.64	≤-24.48	PASS
DH5	Ant1	2441	0~Reference	-3.69	-3.69	---	PASS
DH5	Ant1	2441	30~1000	-3.69	-62.22	≤-23.69	PASS
DH5	Ant1	2441	1000~26500	-3.69	-44.38	≤-23.69	PASS
DH5	Ant1	2480	0~Reference	-3.58	-3.58	---	PASS
DH5	Ant1	2480	30~1000	-3.58	-62.83	≤-23.58	PASS
DH5	Ant1	2480	1000~26500	-3.58	-45.26	≤-23.58	PASS
2DH5	Ant1	2402	0~Reference	-5.72	-5.72	---	PASS
2DH5	Ant1	2402	30~1000	-5.72	-62.9	≤-25.72	PASS
2DH5	Ant1	2402	1000~26500	-5.72	-47.08	≤-25.72	PASS
2DH5	Ant1	2441	0~Reference	-6.91	-6.91	---	PASS
2DH5	Ant1	2441	30~1000	-6.91	-62.74	≤-26.91	PASS
2DH5	Ant1	2441	1000~26500	-6.91	-44.74	≤-26.91	PASS
2DH5	Ant1	2480	0~Reference	-3.27	-3.27	---	PASS
2DH5	Ant1	2480	30~1000	-3.27	-62.73	≤-23.27	PASS
2DH5	Ant1	2480	1000~26500	-3.27	-45.47	≤-23.27	PASS

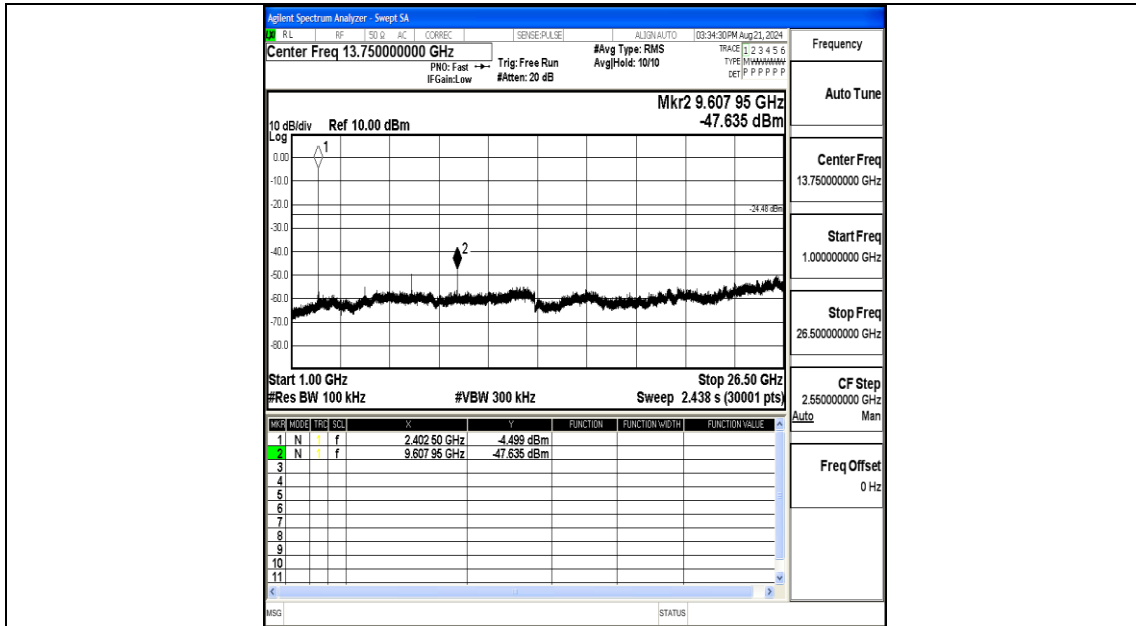
Test Graphs



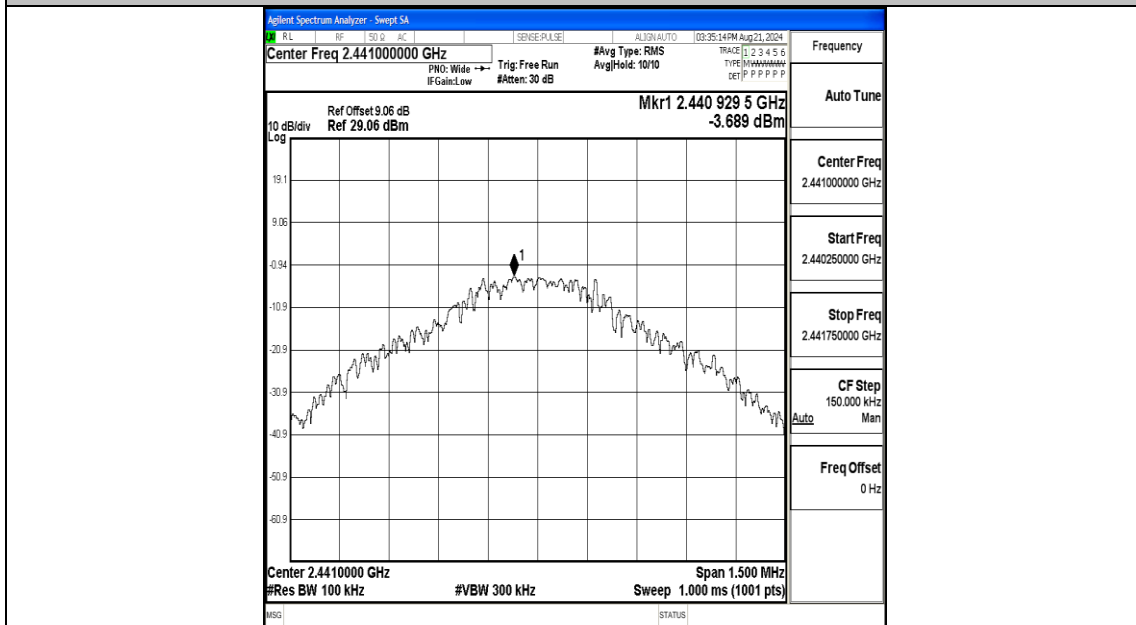
DH5-Ant1-2402-0~Reference-PASS



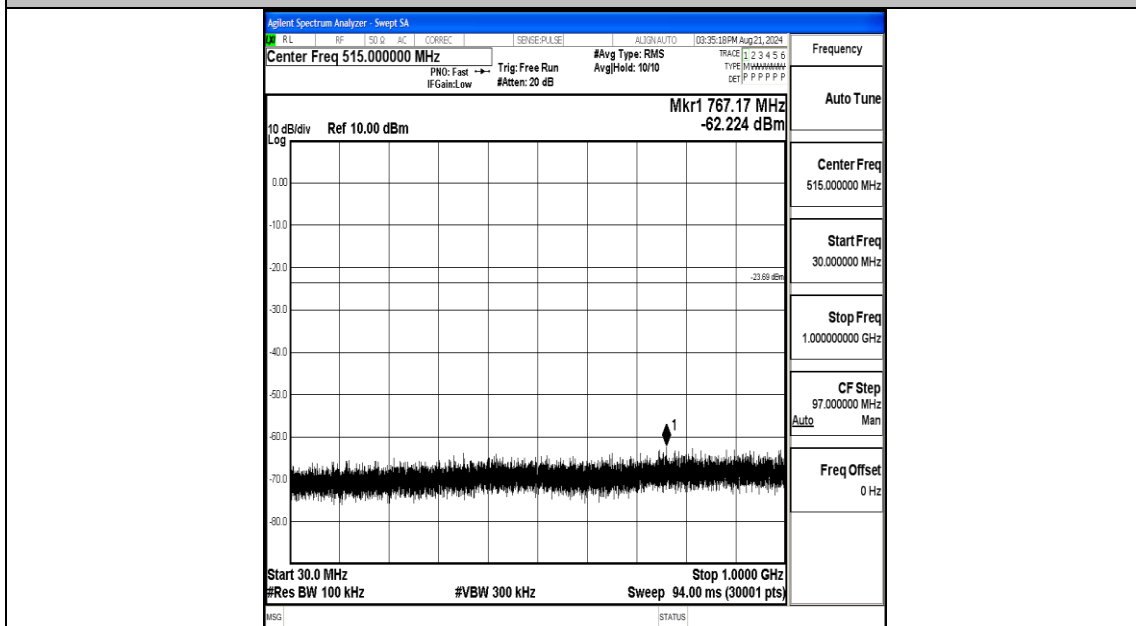
DH5-Ant1-2402-30~1000-PASS



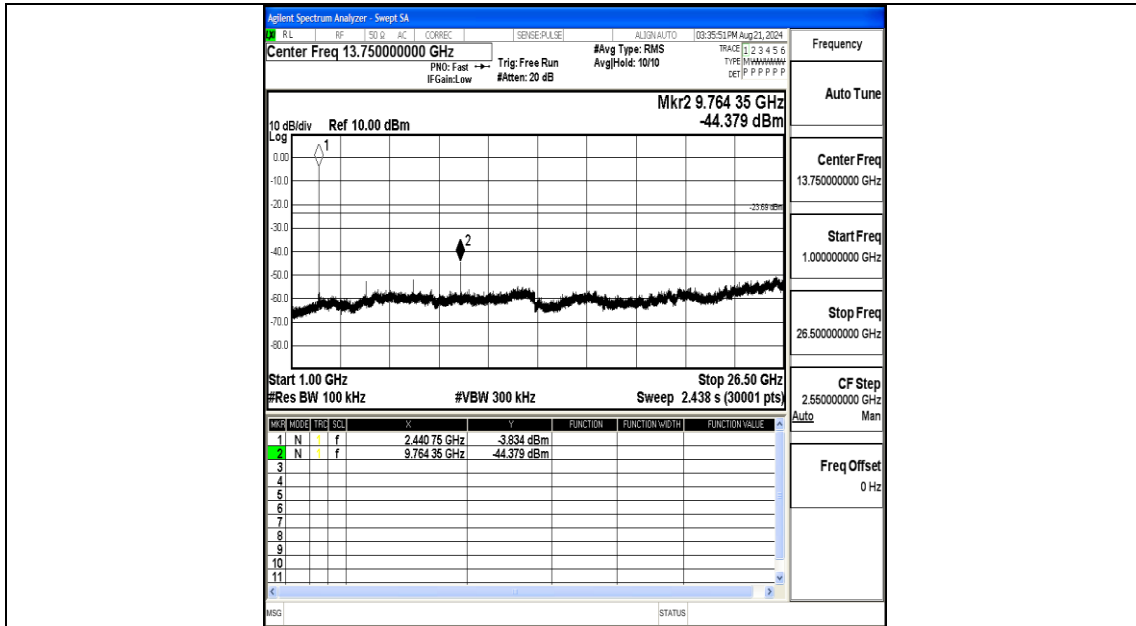
DH5-Ant1-2402-1000~26500-PASS



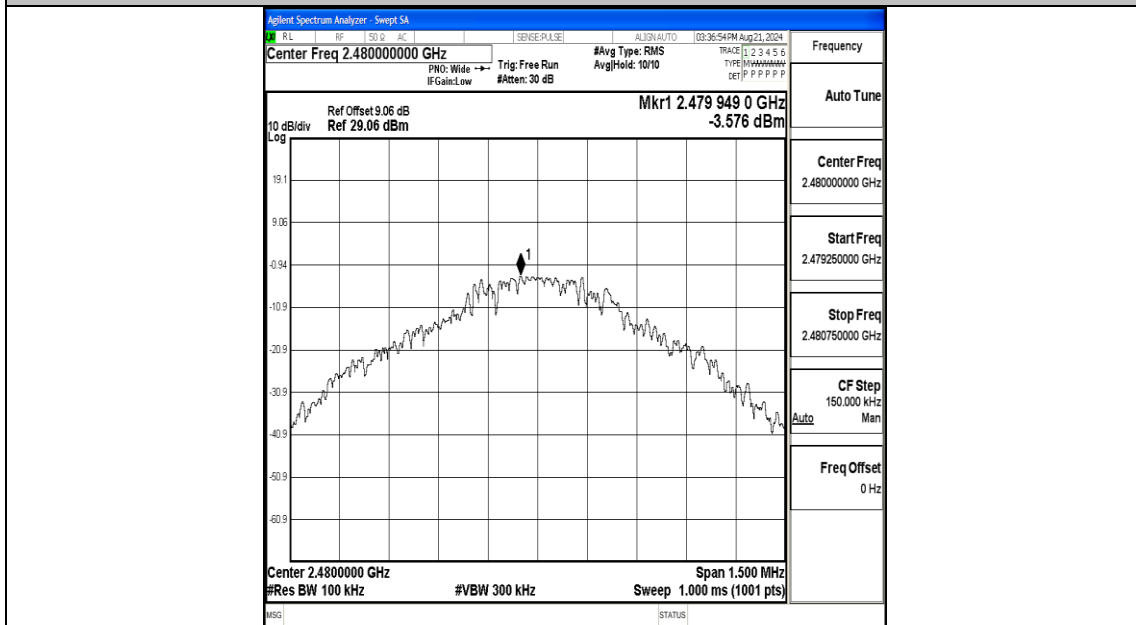
DH5-Ant1-2441-0~Reference-PASS



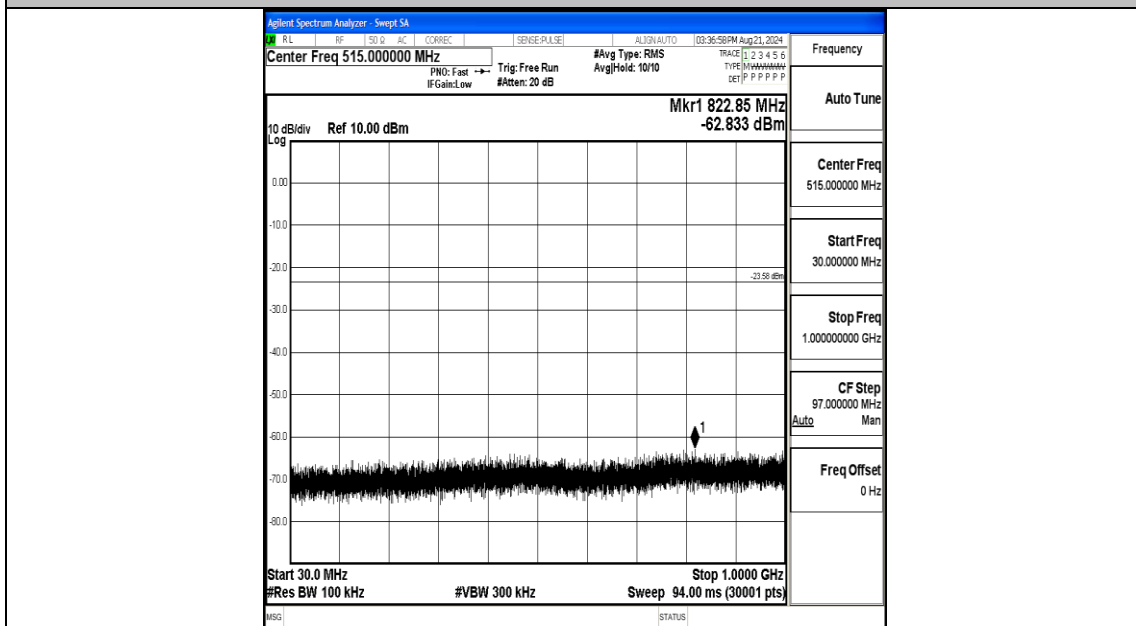
DH5-Ant1-2441-30~1000-PASS



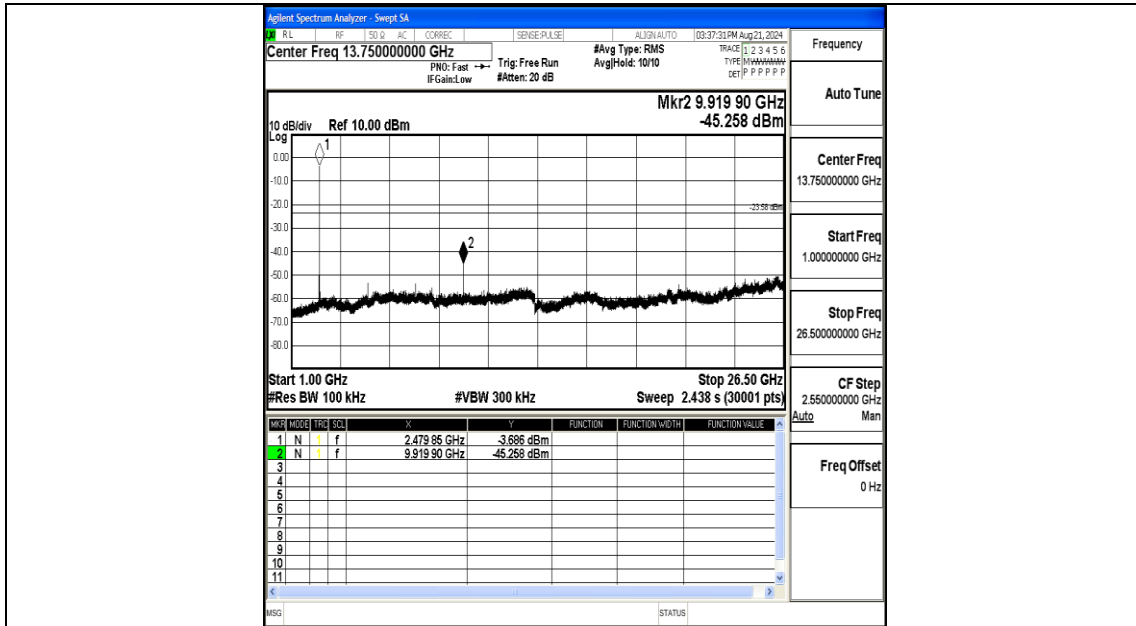
DH5-Ant1-2441-1000~26500-PASS



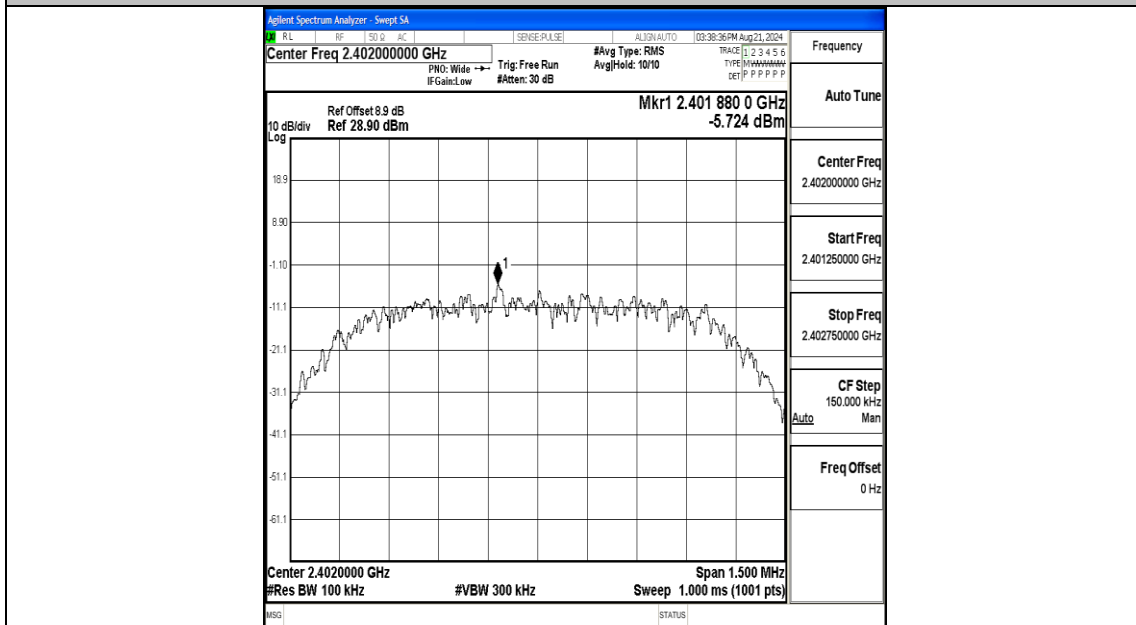
DH5-Ant1-2480-0~Reference-PASS



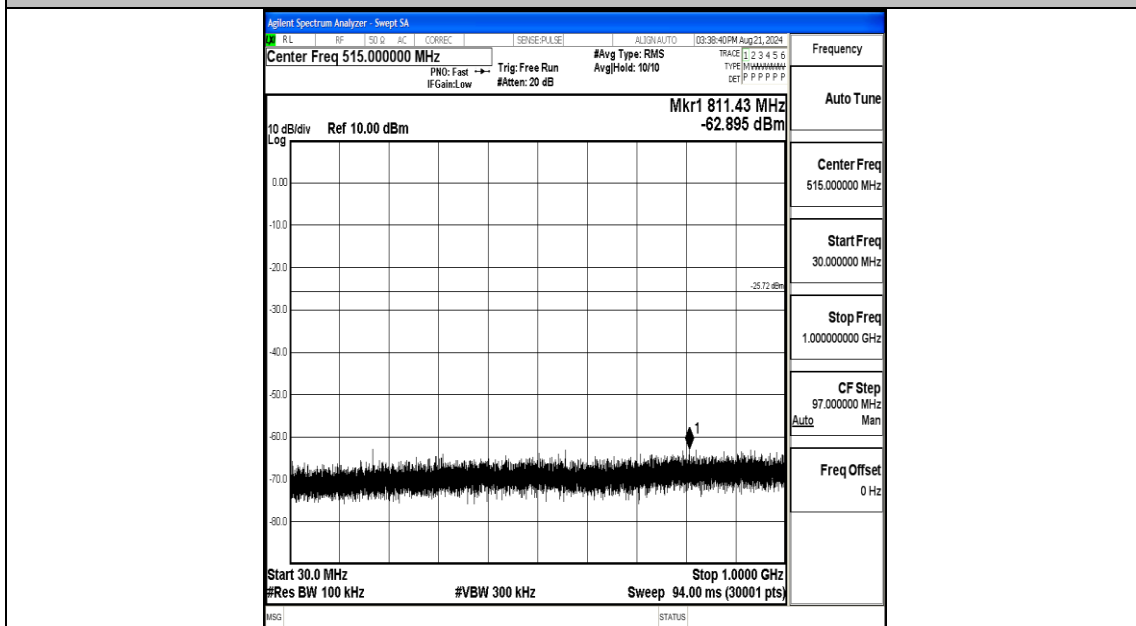
DH5-Ant1-2480-30~1000-PASS



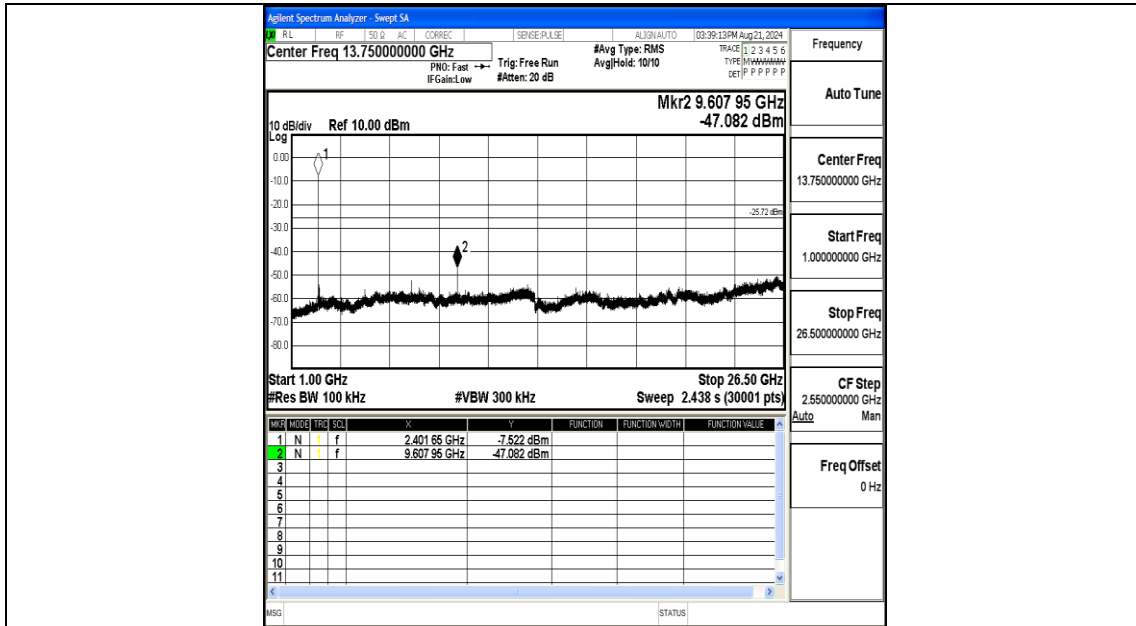
DH5-Ant1-2480-1000~26500-PASS



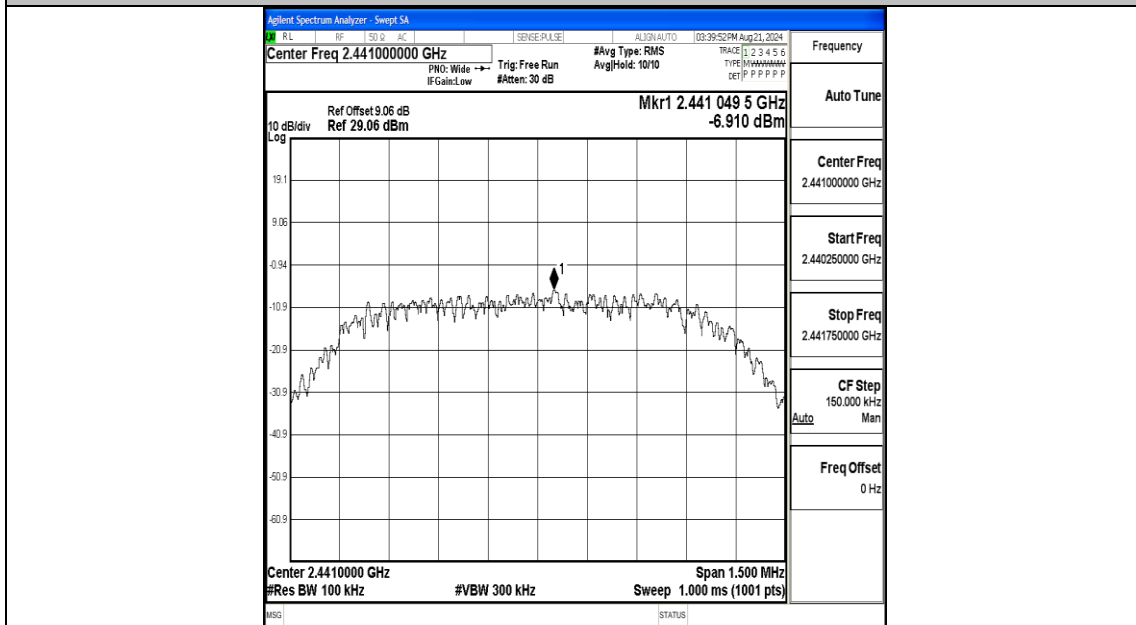
2DH5-Ant1-2402-0~Reference-PASS



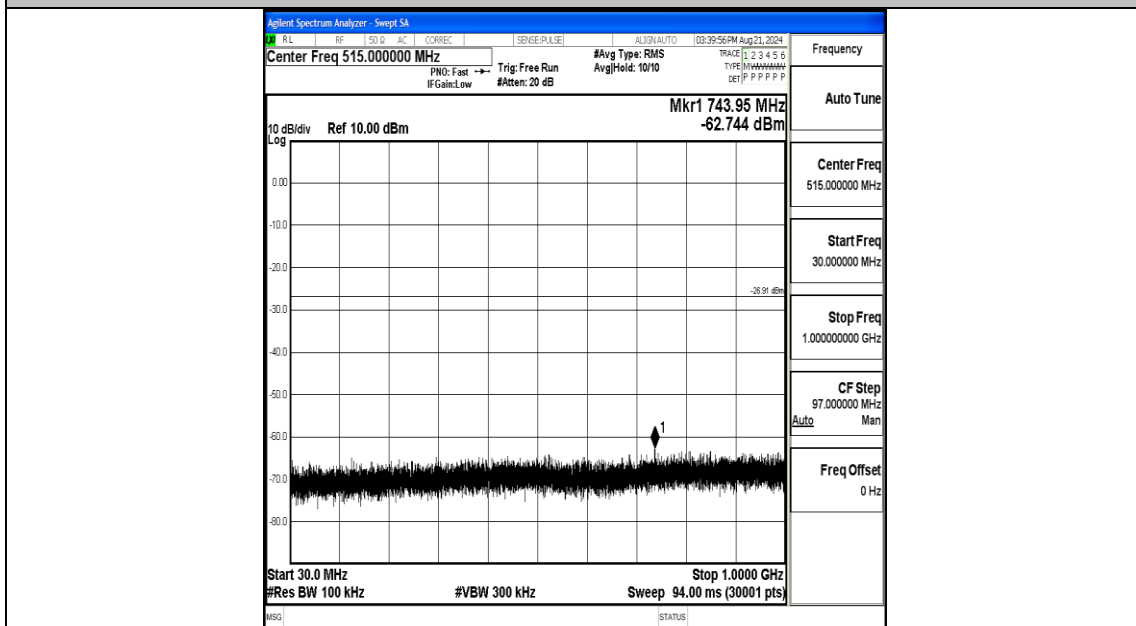
2DH5-Ant1-2402-30~1000-PASS



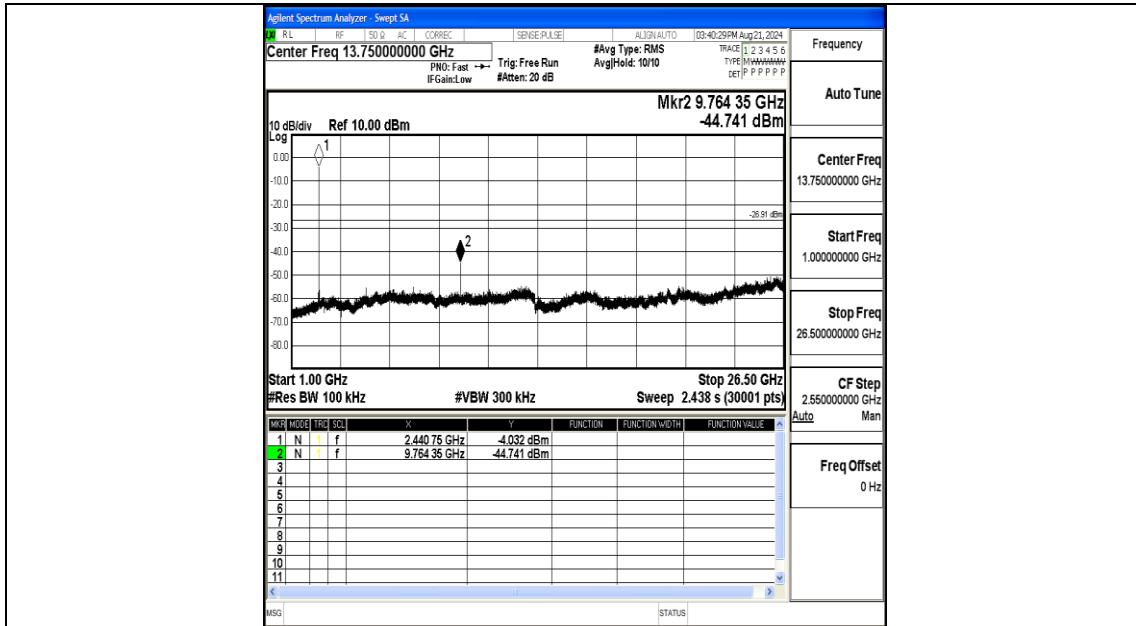
2DH5-Ant1-2402-1000~26500-PASS



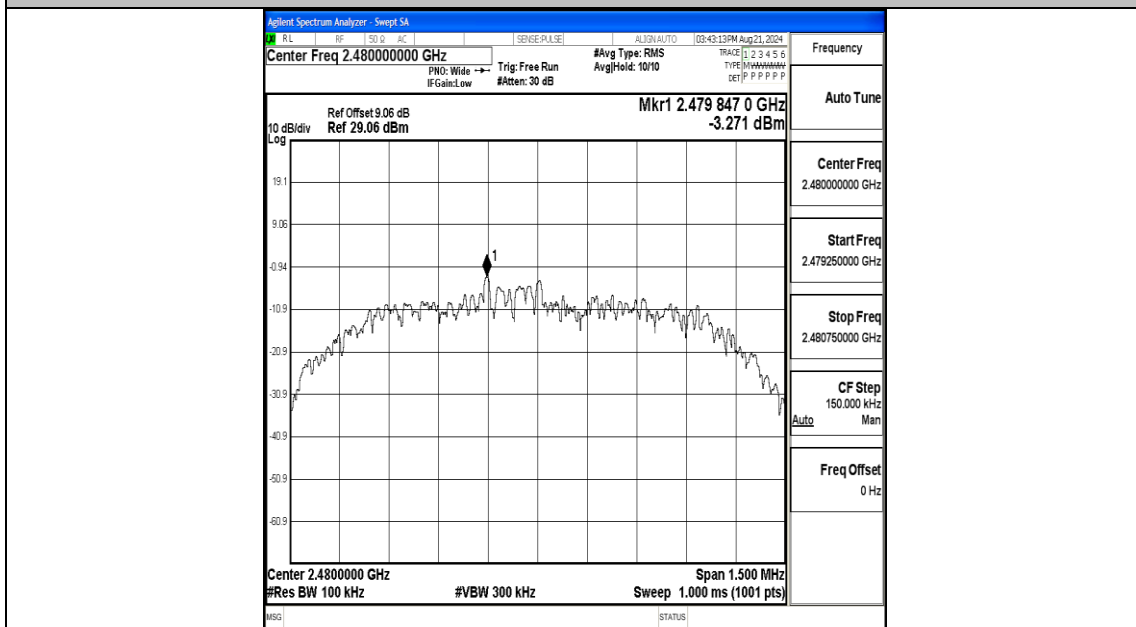
2DH5-Ant1-2441-0~Reference-PASS



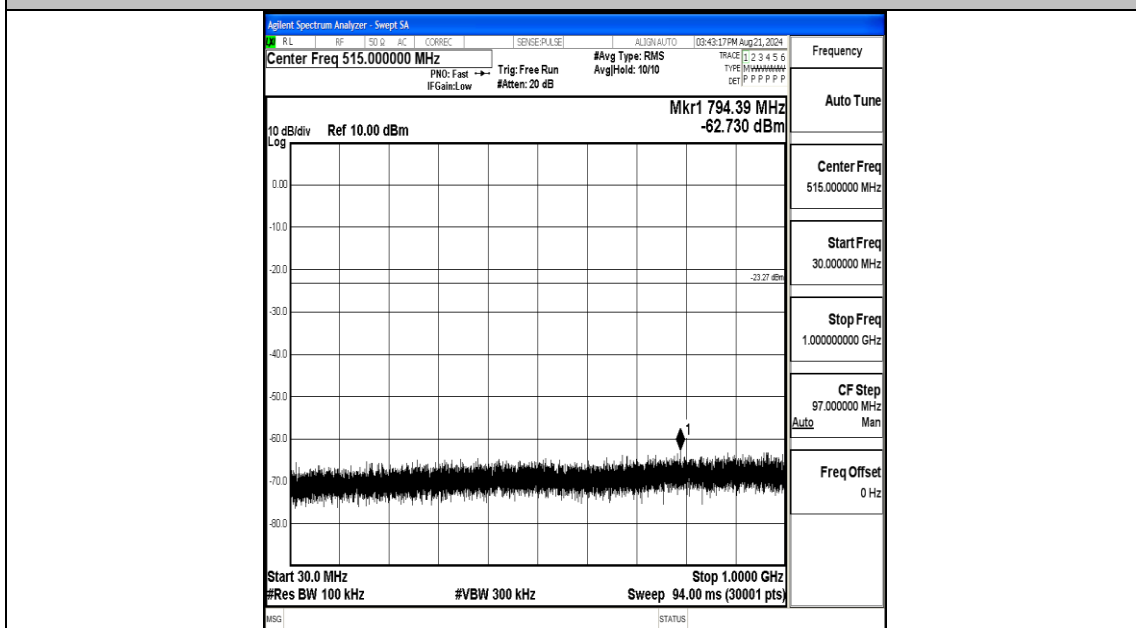
2DH5-Ant1-2441-30~1000-PASS



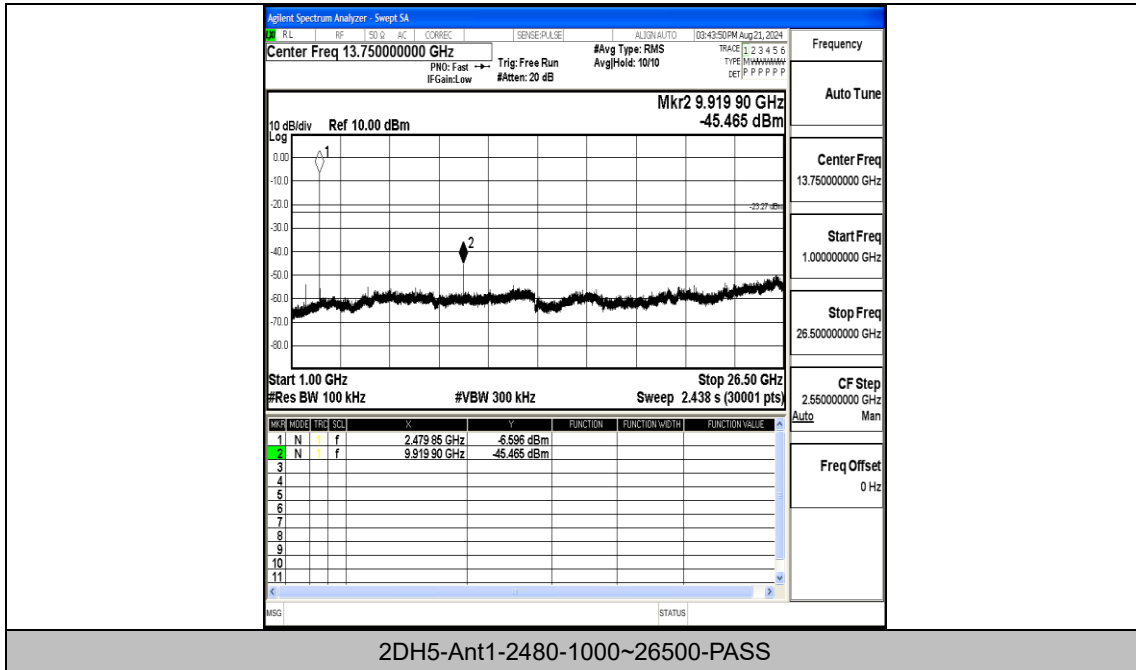
2DH5-Ant1-2441-1000~26500-PASS



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



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

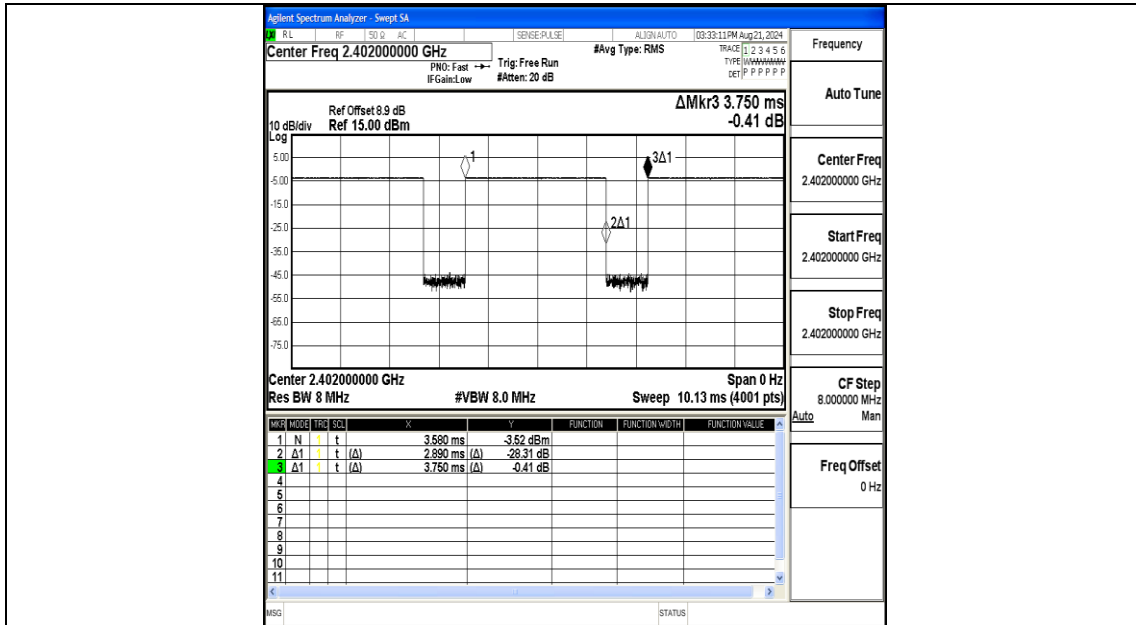


Appendix I: Duty Cycle

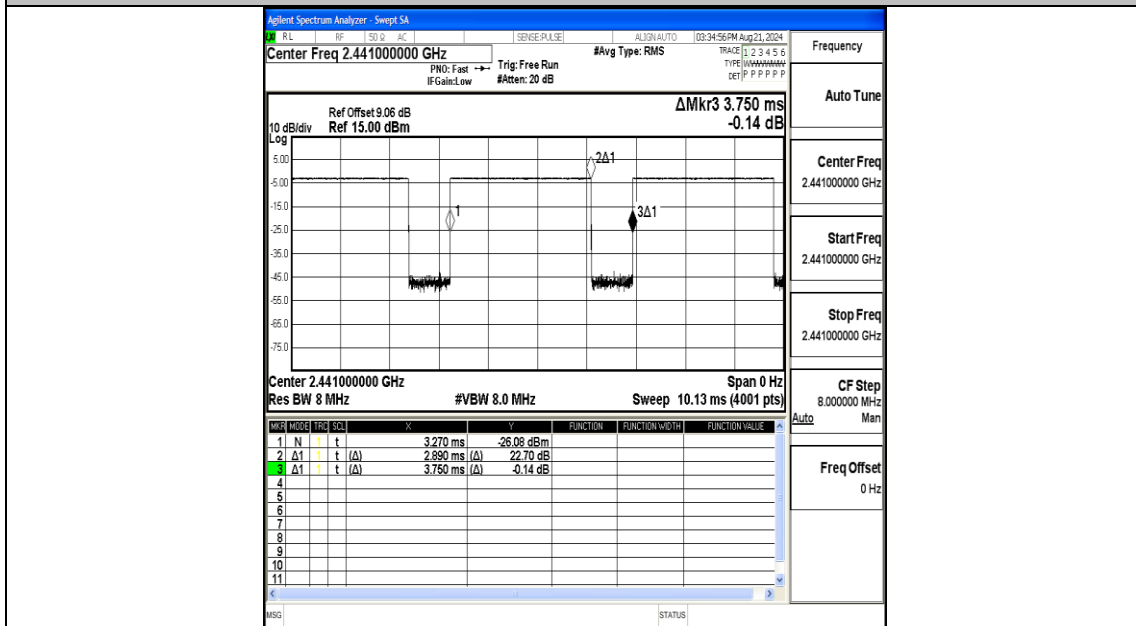
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	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	2.89	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

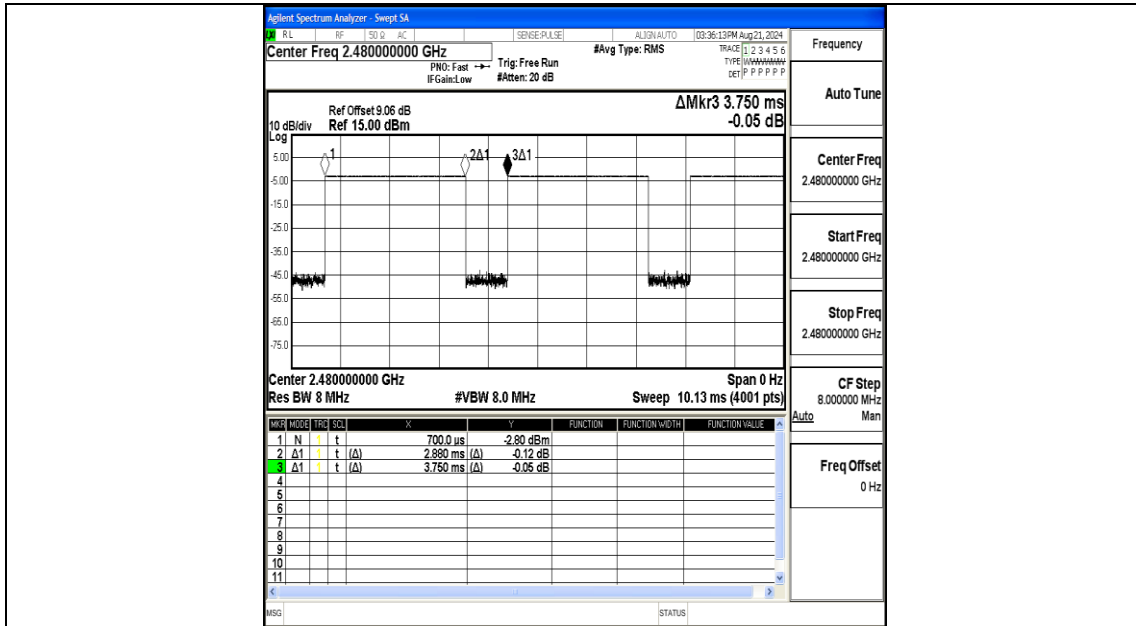
Test Graphs



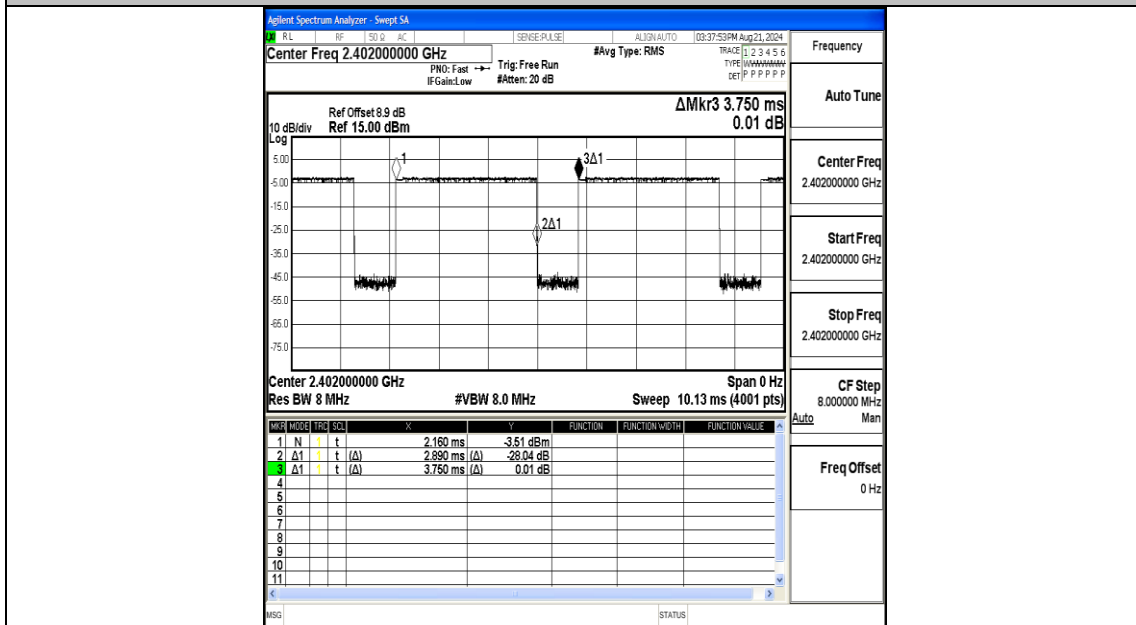
NTVN-DH5-Ant1-2402



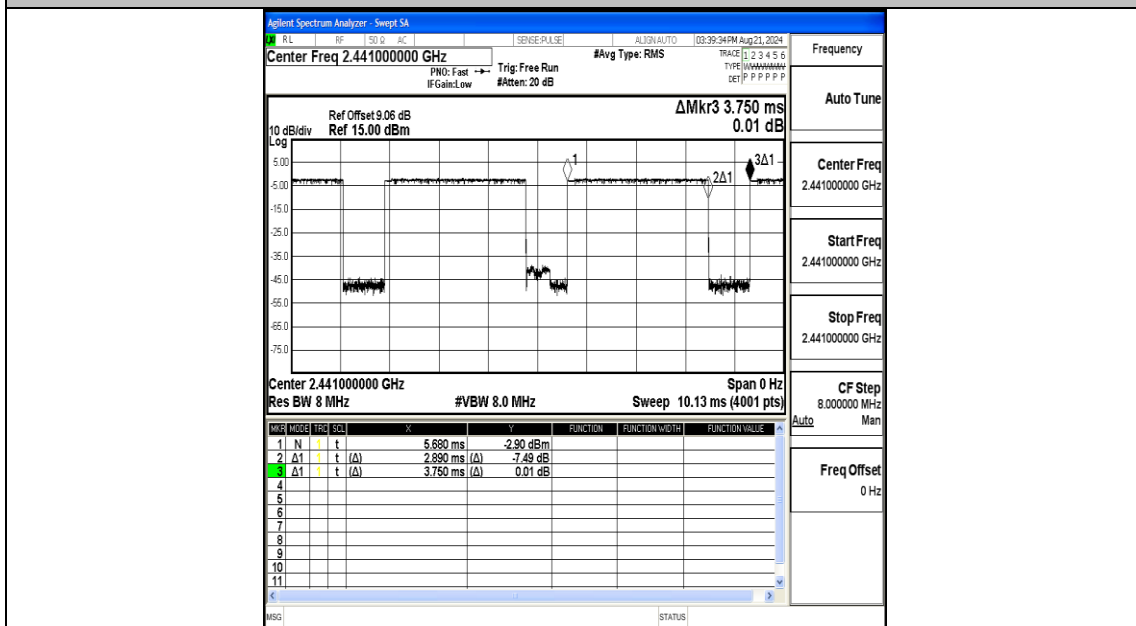
NTVN-DH5-Ant1-2441



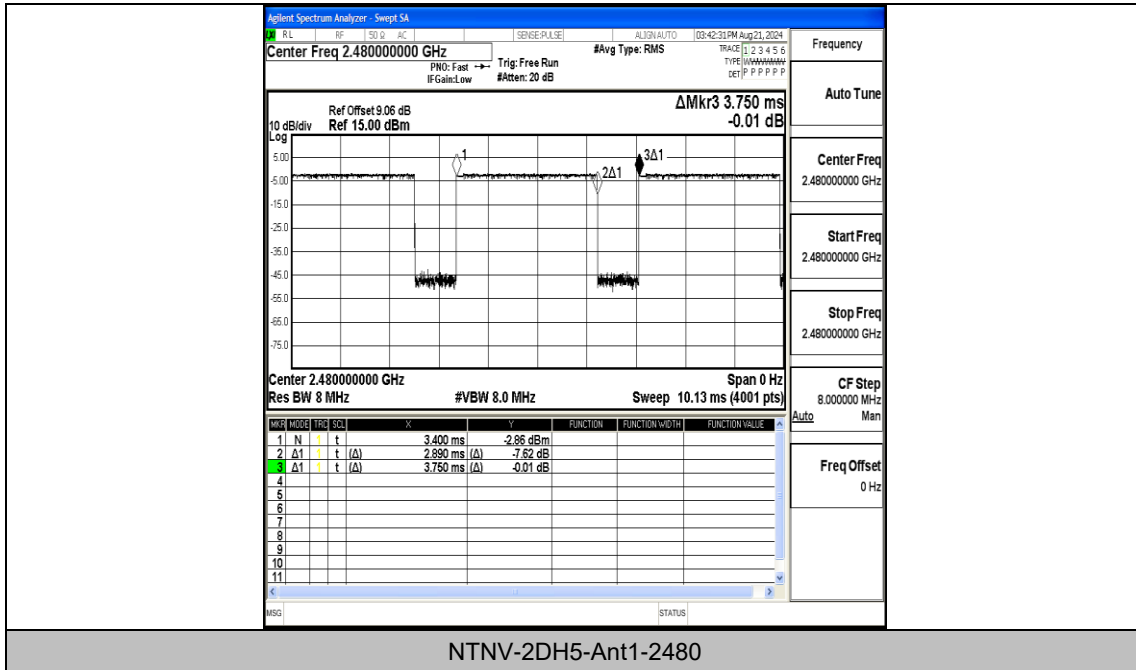
NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480