

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

Product Name: BLUETOOTH HEADSET

Trade Mark: N/A

Test Model: BH919

FCC ID: 2BKNN-BH919

Environmental Conditions

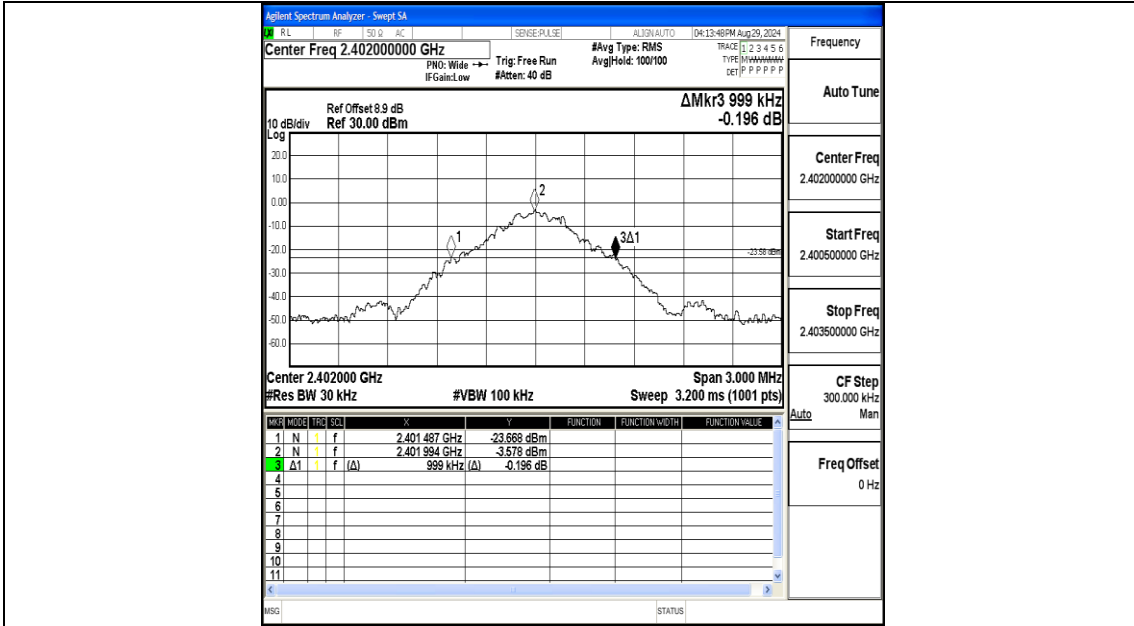
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

Appendix A: 20dB Emission Bandwidth

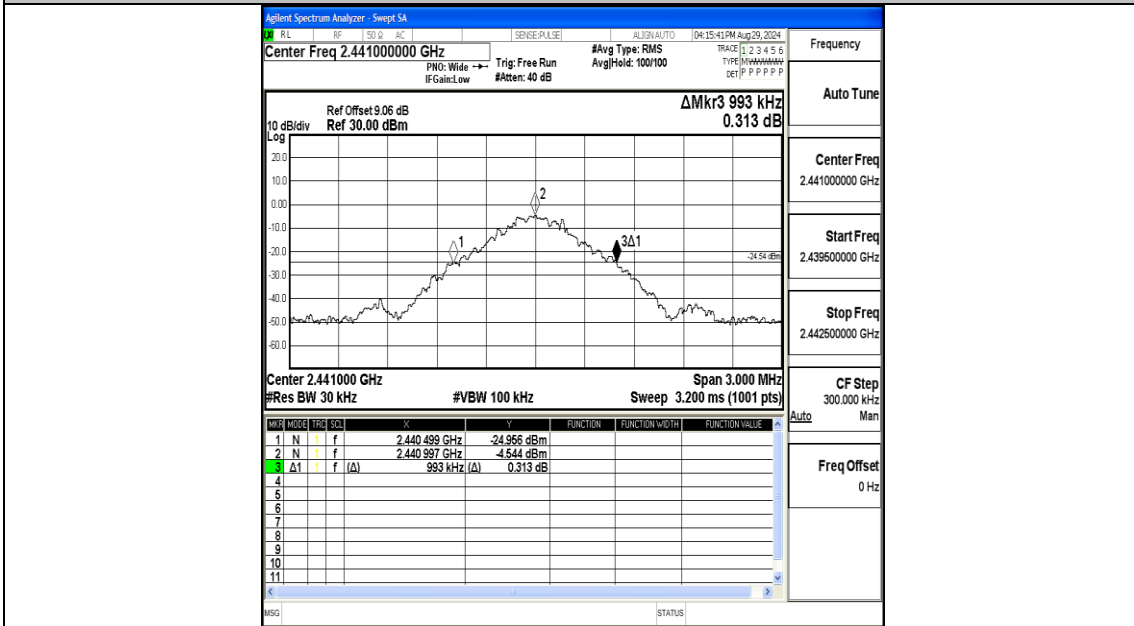
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.999	2401.487	2402.486	---	---
DH5	Ant1	2441	0.993	2440.499	2441.492	---	---
DH5	Ant1	2480	1.023	2479.475	2480.498	---	---
2DH5	Ant1	2402	1.296	2401.361	2402.657	---	---
2DH5	Ant1	2441	1.320	2440.343	2441.663	---	---
2DH5	Ant1	2480	1.317	2479.337	2480.654	---	---

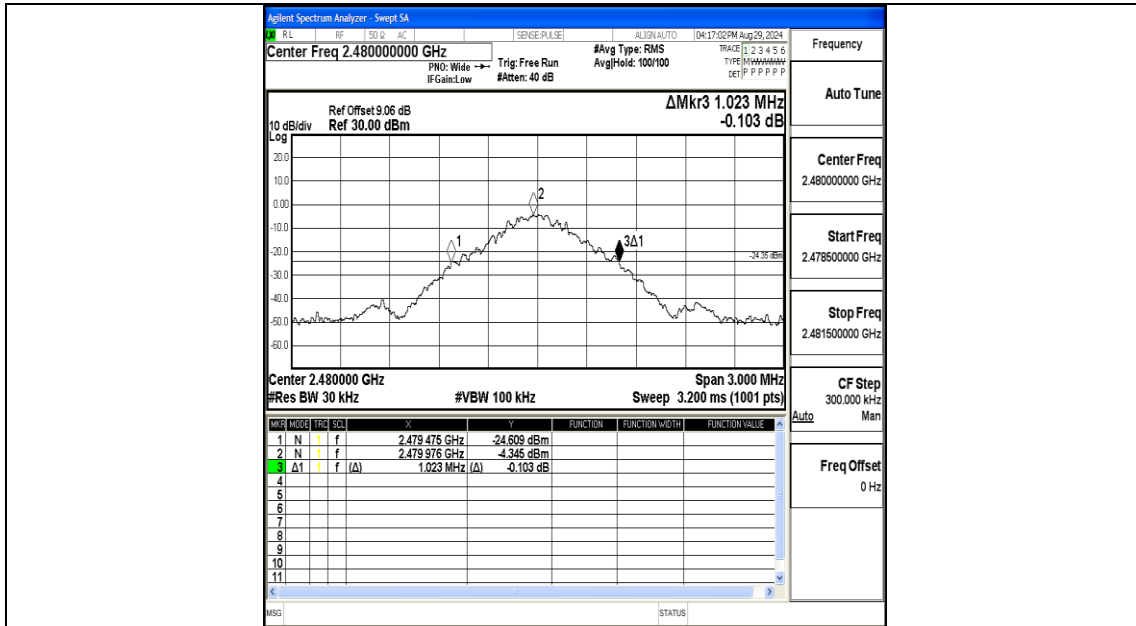
Test Graphs



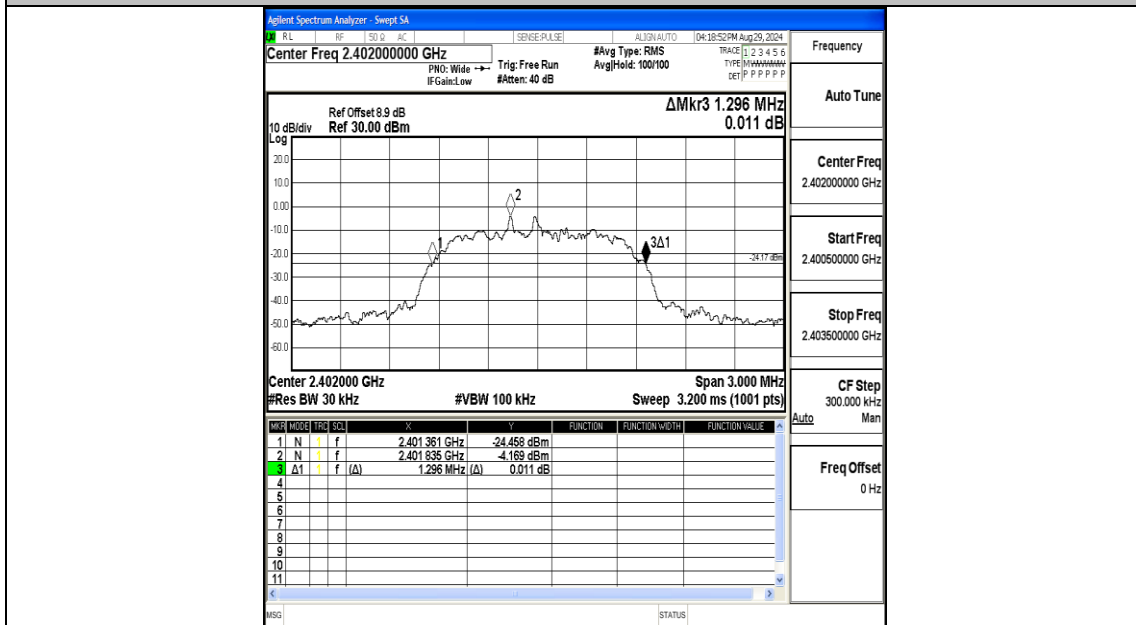
DH5-Ant1-2402



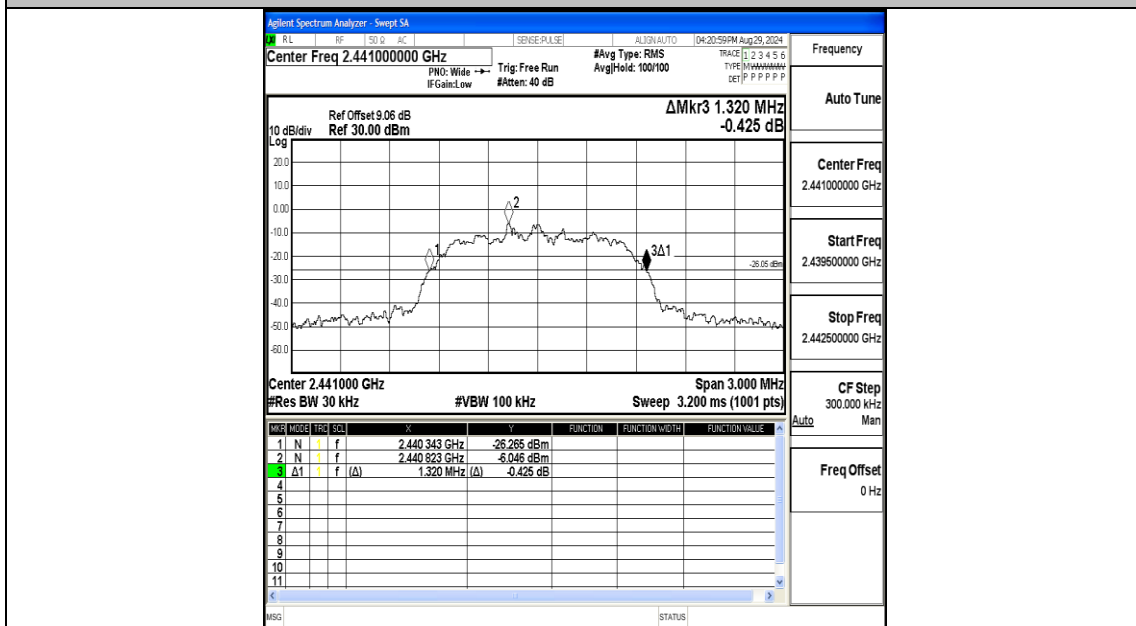
DH5-Ant1-2441



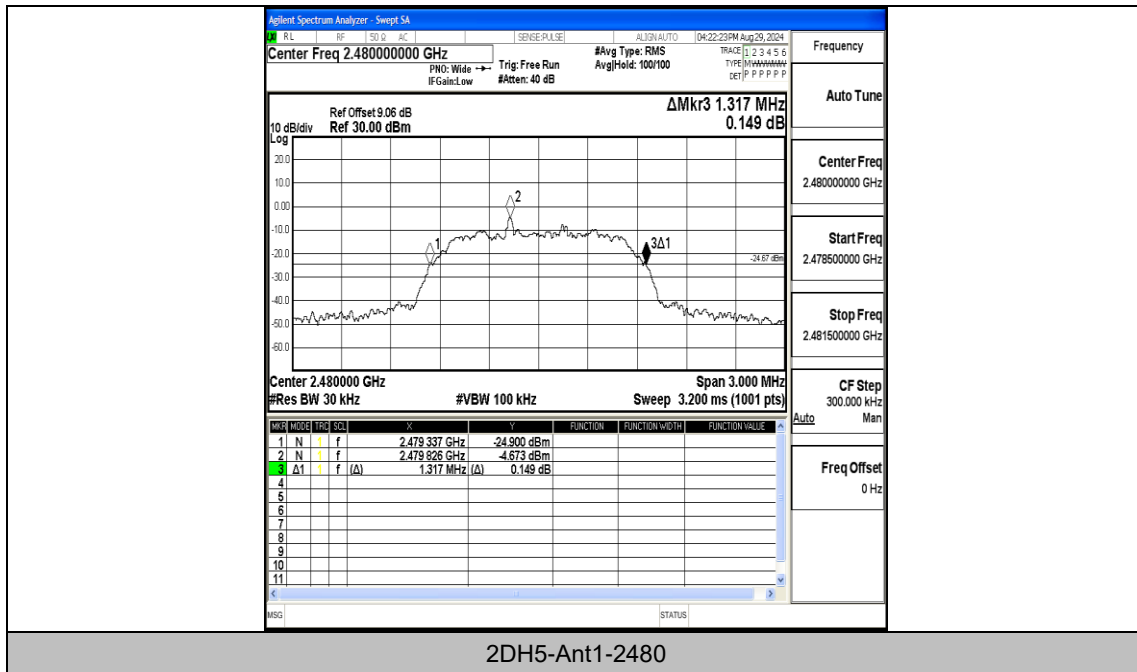
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

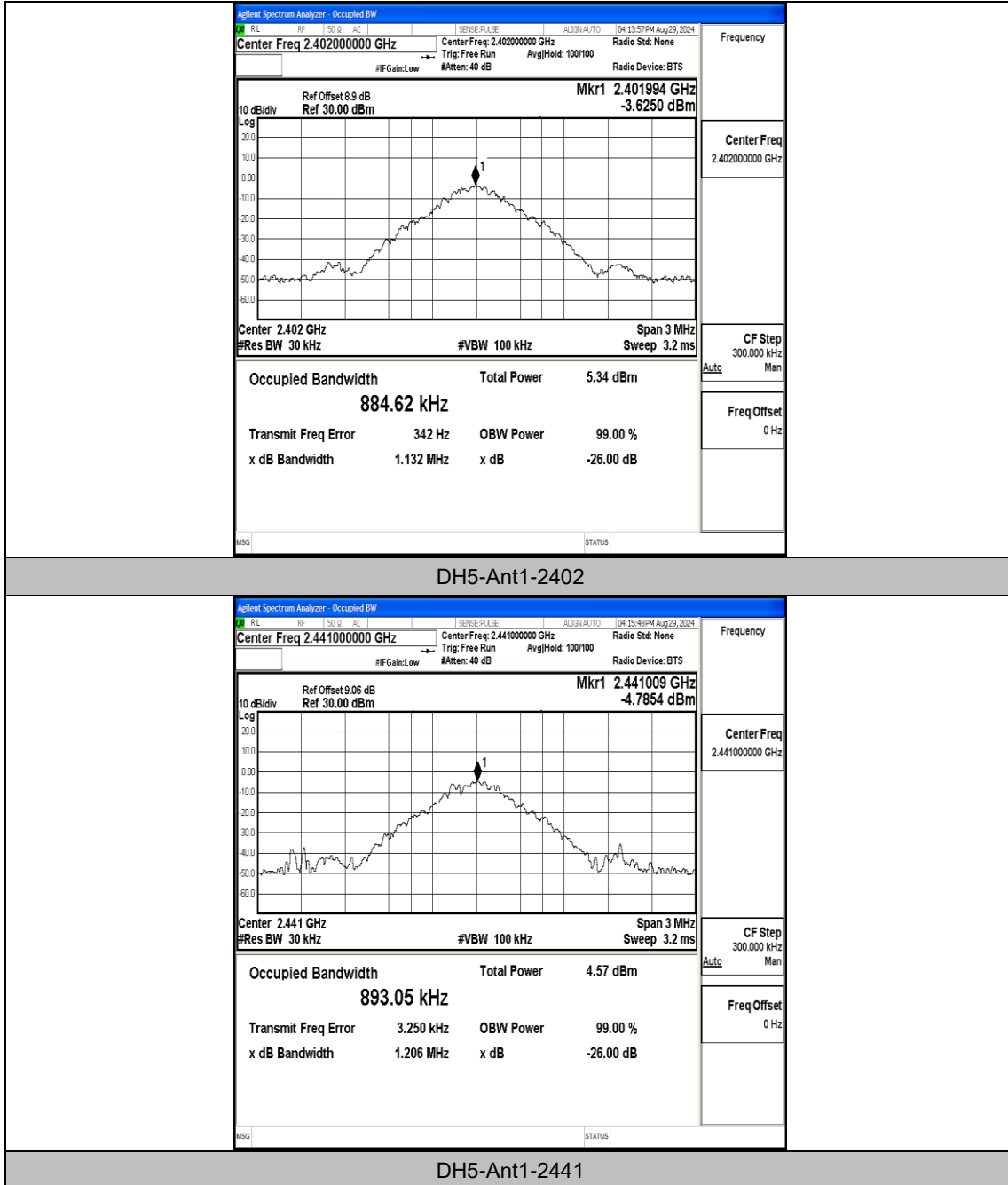


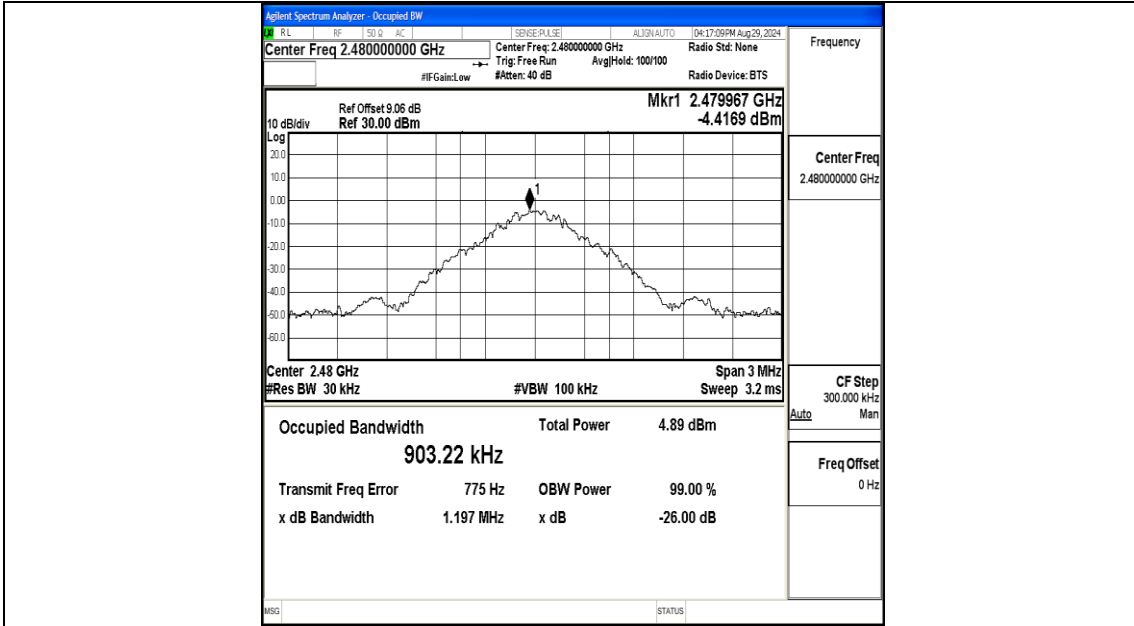
Appendix B: Occupied Channel Bandwidth

Test Result

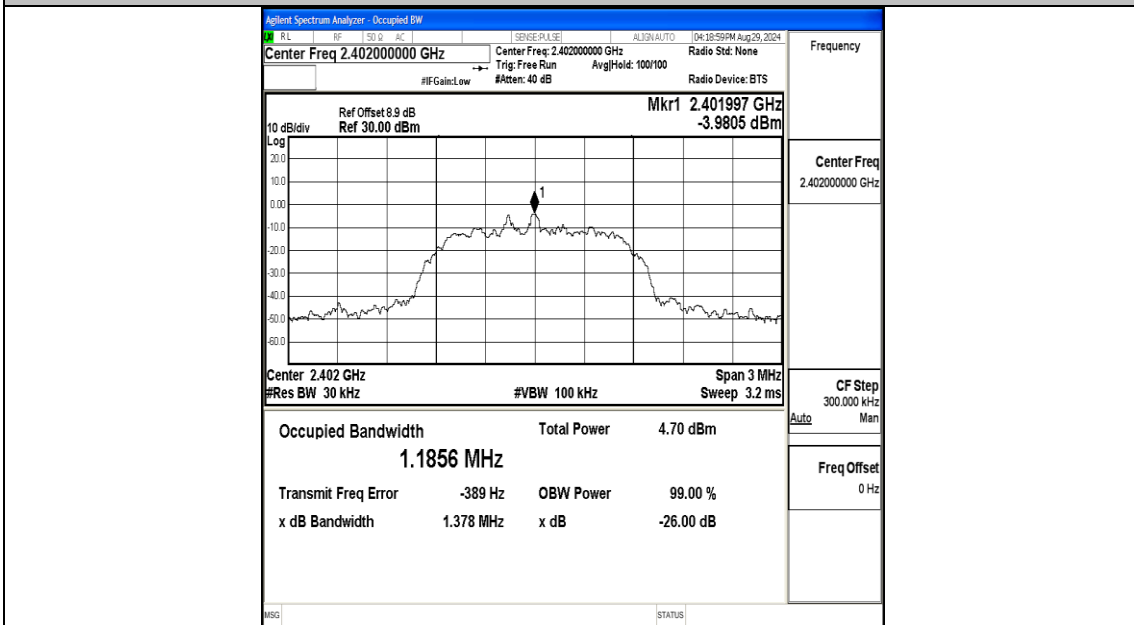
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88462	2401.5580	2402.4427	---	---
DH5	Ant1	2441	0.89305	2440.5567	2441.4498	---	---
DH5	Ant1	2480	0.90322	2479.5492	2480.4524	---	---
2DH5	Ant1	2402	1.1856	2401.4068	2402.5924	---	---
2DH5	Ant1	2441	1.1784	2440.4090	2441.5874	---	---
2DH5	Ant1	2480	1.1901	2479.4023	2480.5924	---	---

Test Graphs

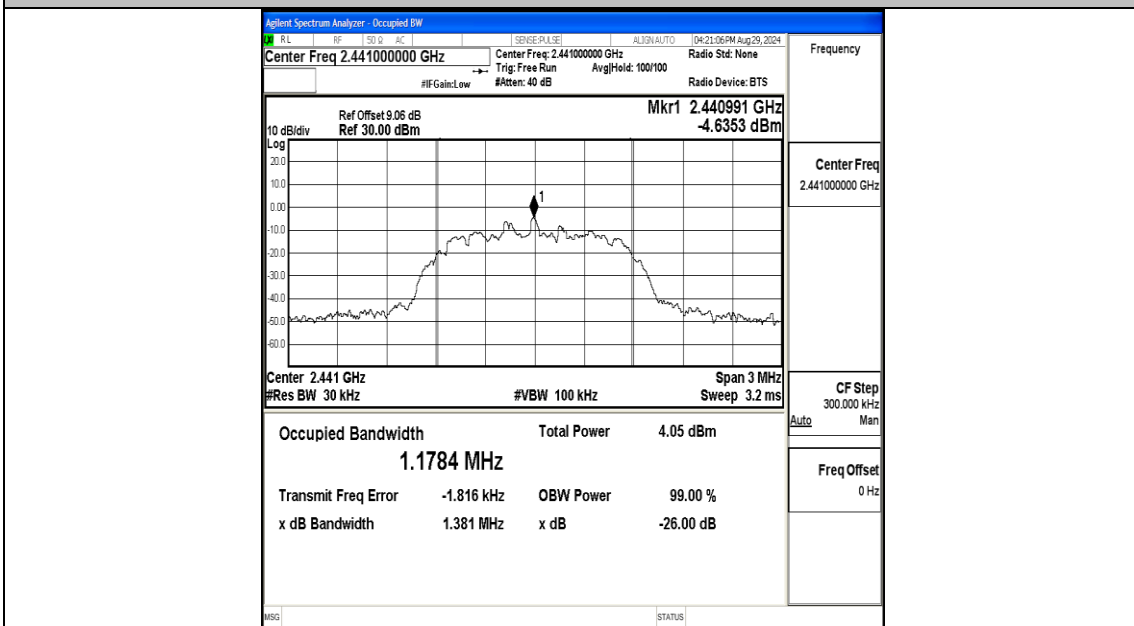




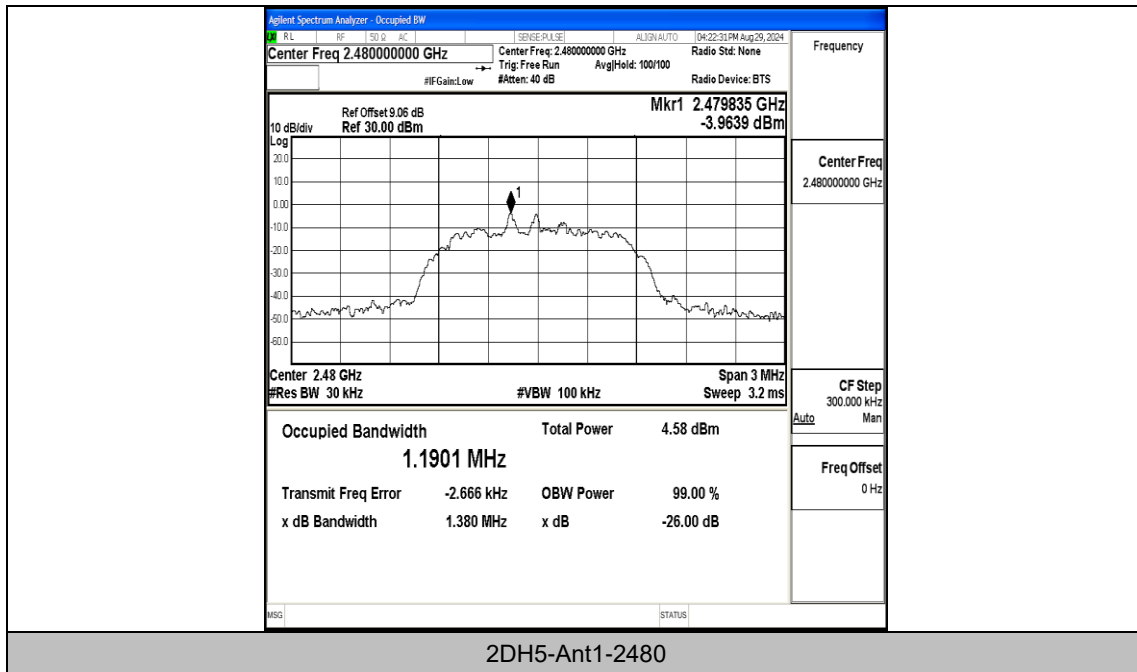
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

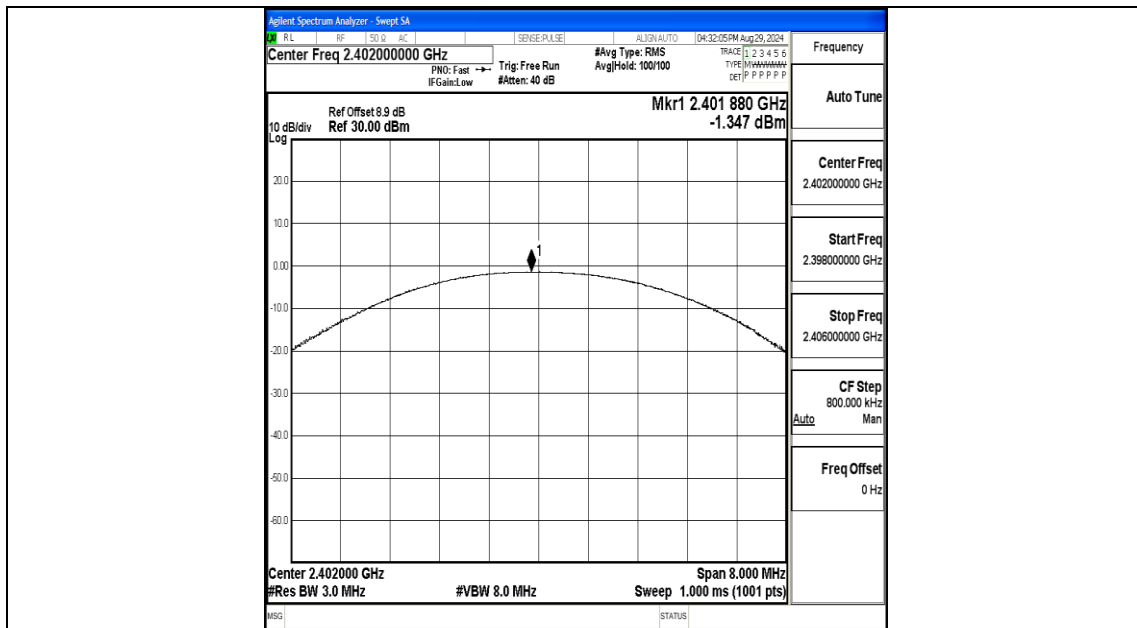


Appendix C: Maximum peak conducted output power

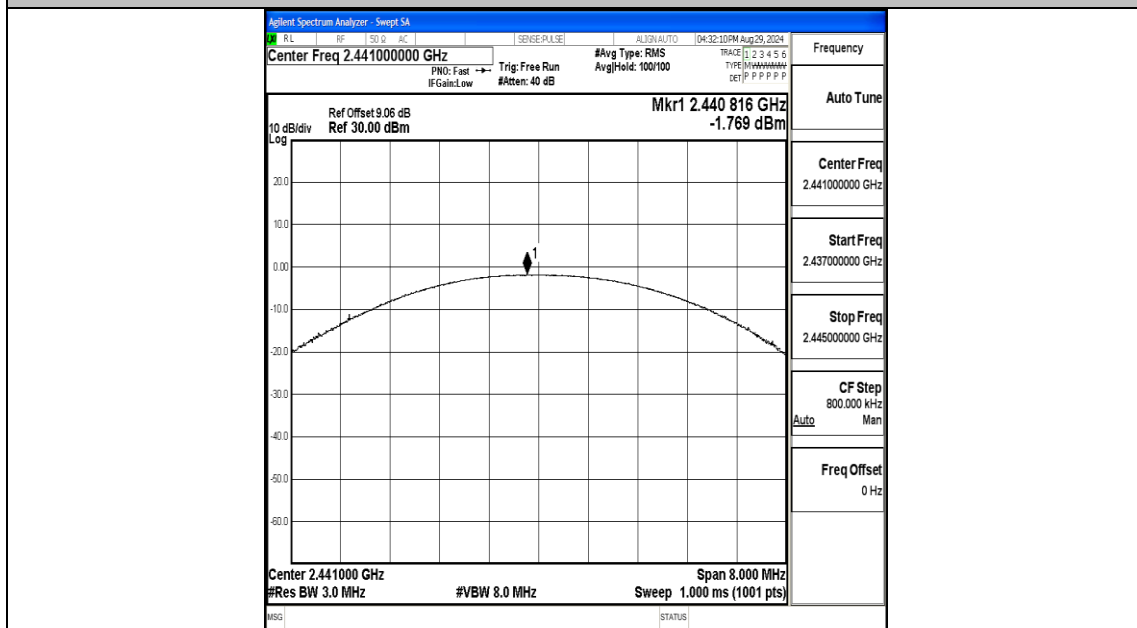
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.35	≤20.97	PASS
DH5	Ant1	2441	-1.77	≤20.97	PASS
DH5	Ant1	2480	-1.30	≤20.97	PASS
2DH5	Ant1	2402	-0.57	≤20.97	PASS
2DH5	Ant1	2441	-1.12	≤20.97	PASS
2DH5	Ant1	2480	-0.63	≤20.97	PASS

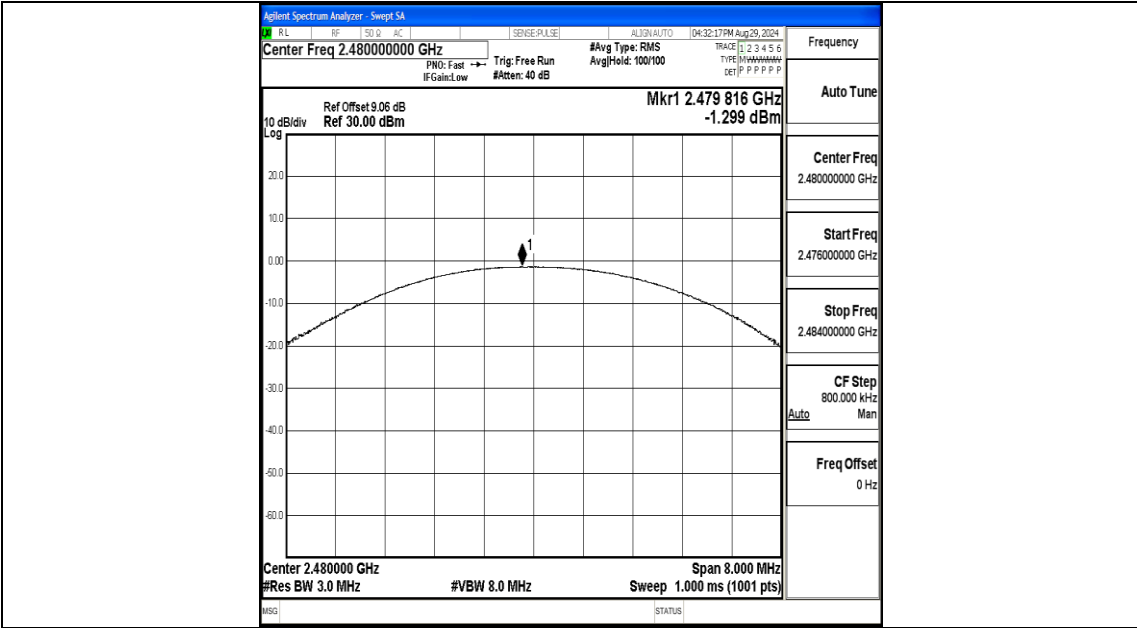
Test Graphs



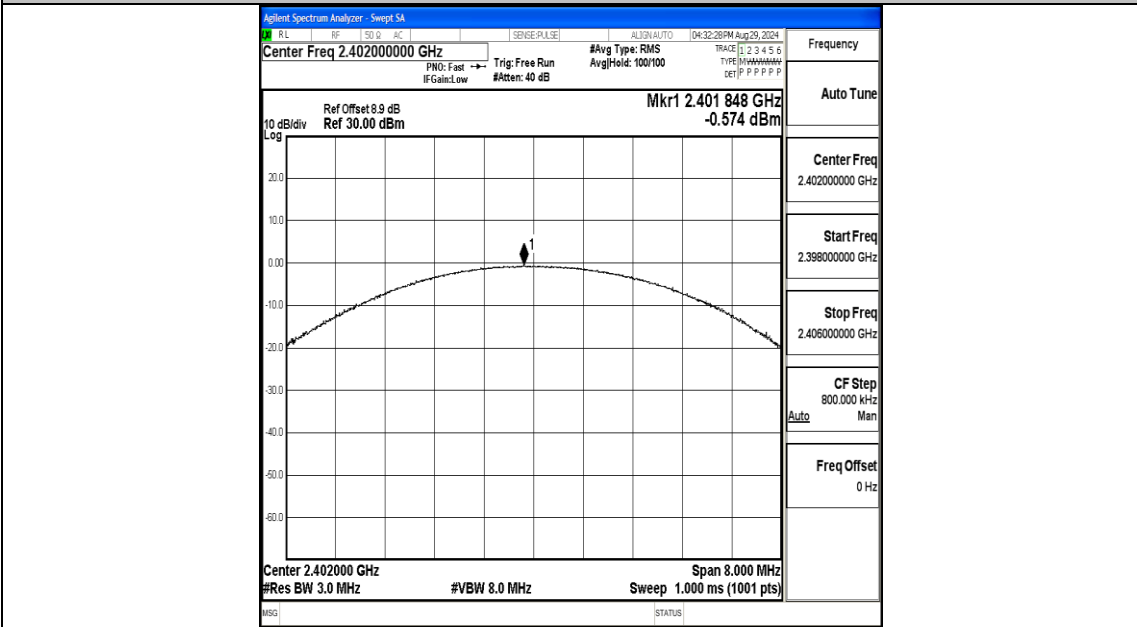
DH5-Ant1-2402-PASS



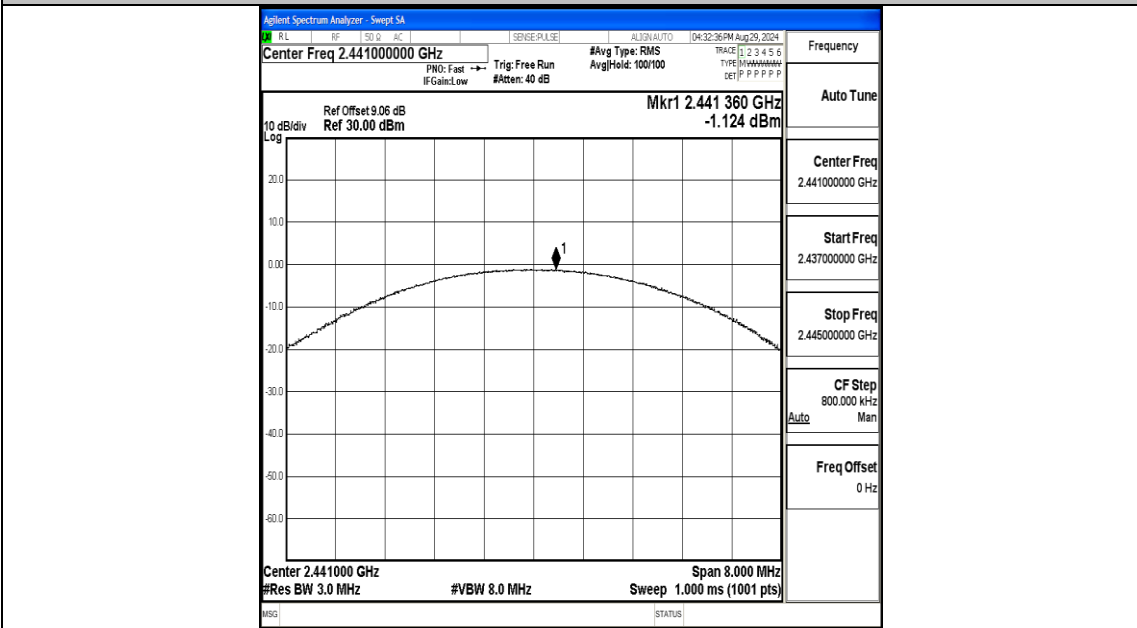
DH5-Ant1-2441-PASS



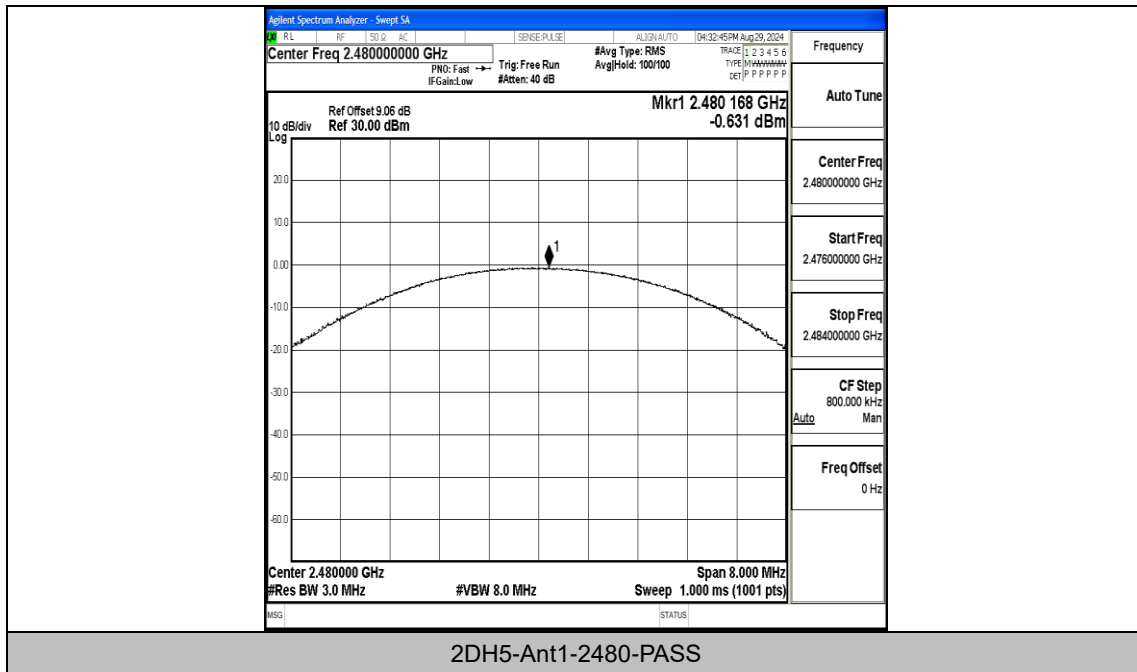
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

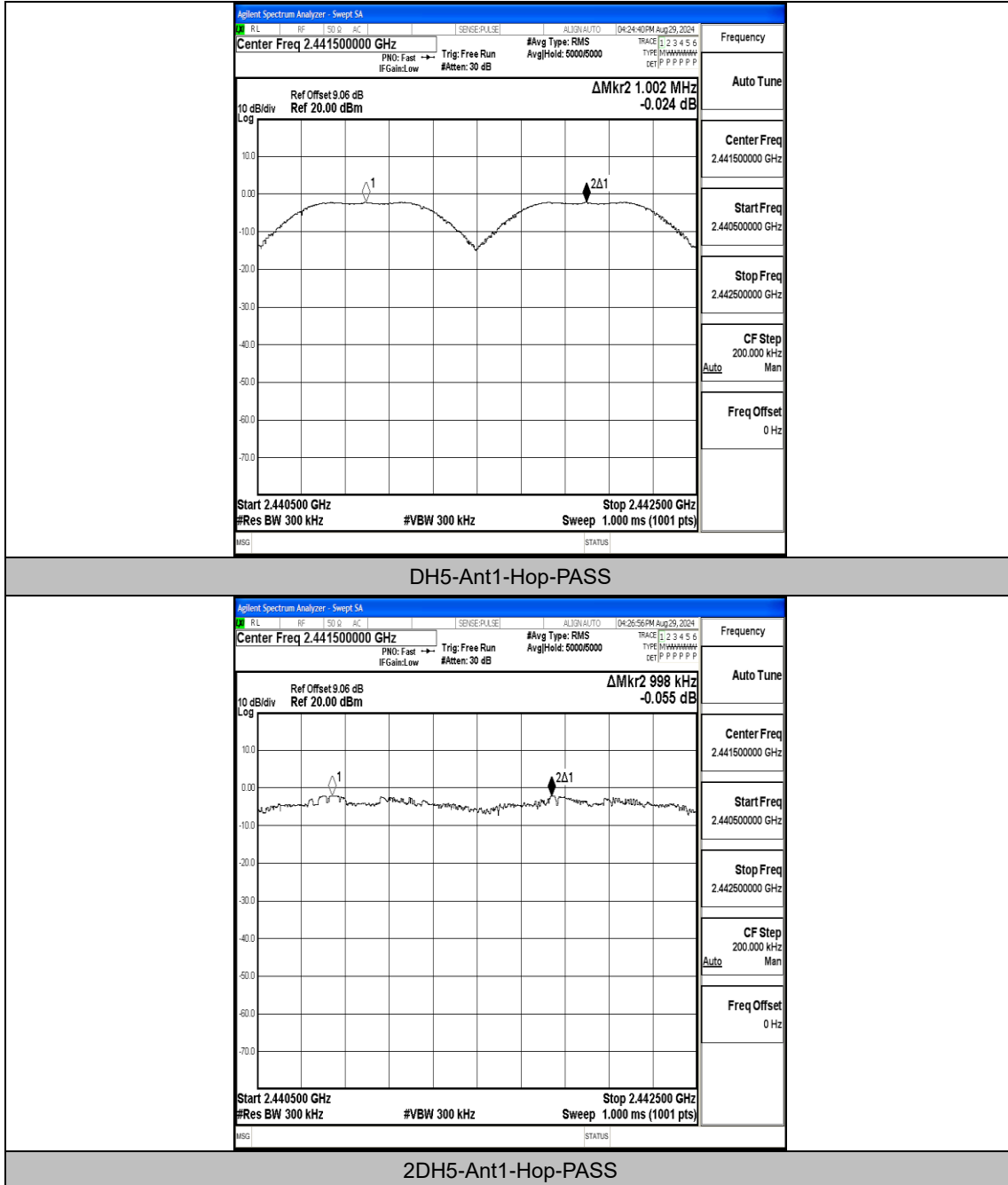


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.002	≥ 0.682	PASS
2DH5	Ant1	Hop	0.998	≥ 0.880	PASS

Test Graphs

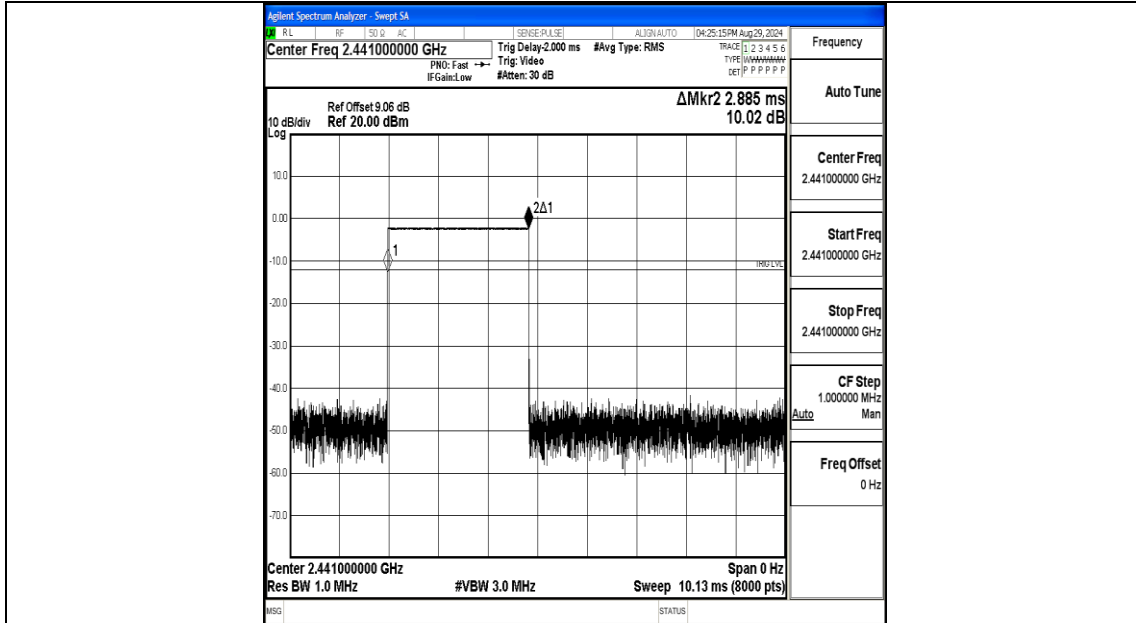


Appendix E: Time of occupancy

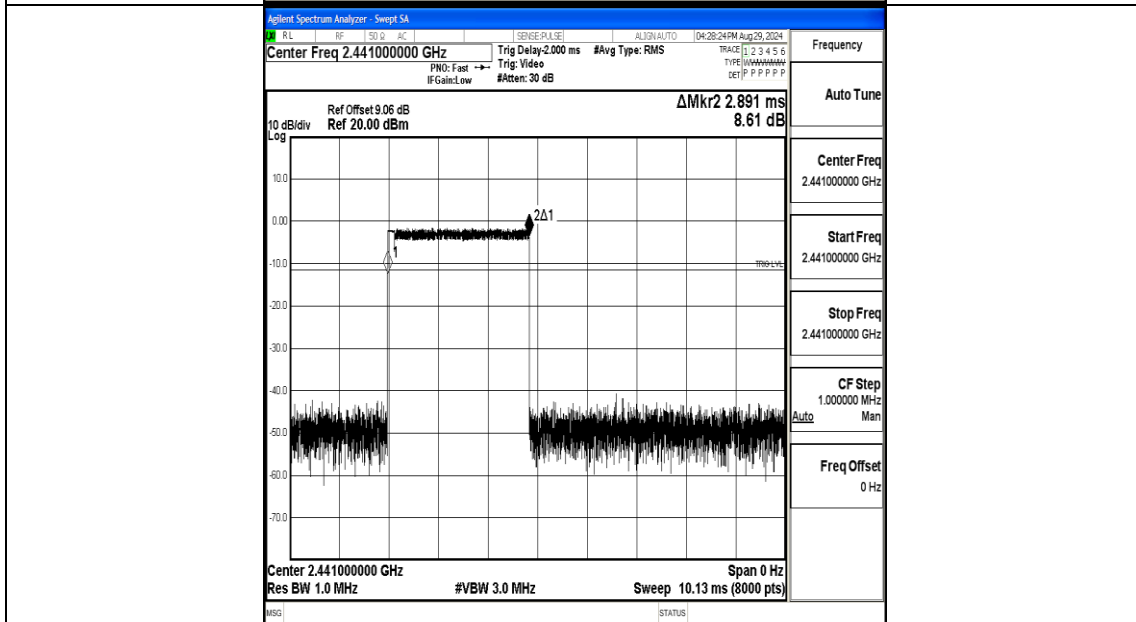
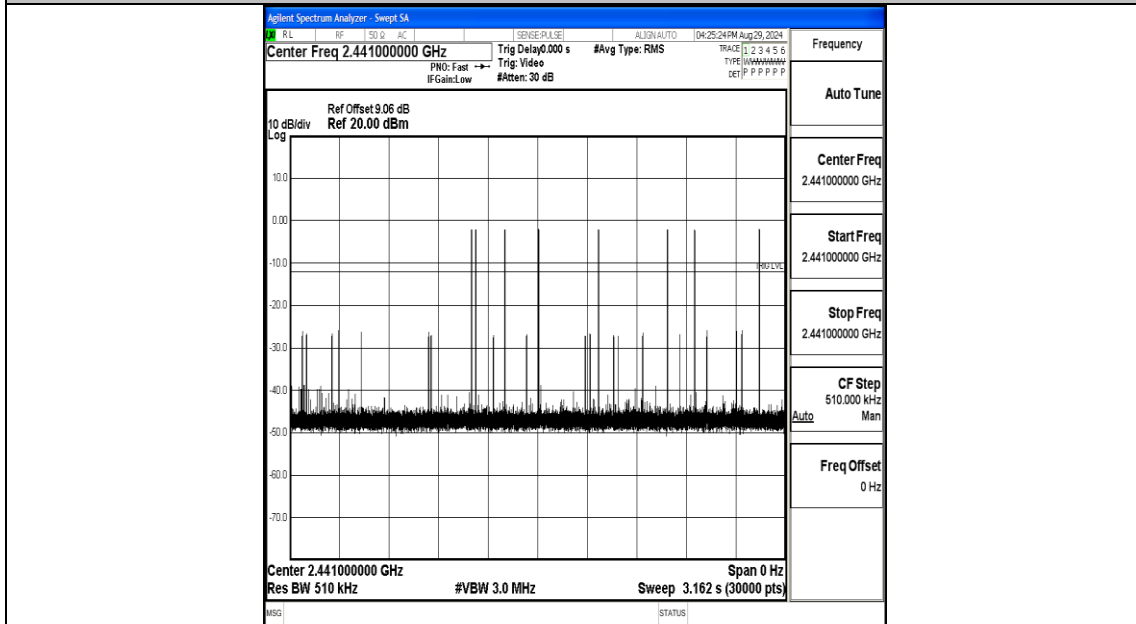
Test Result

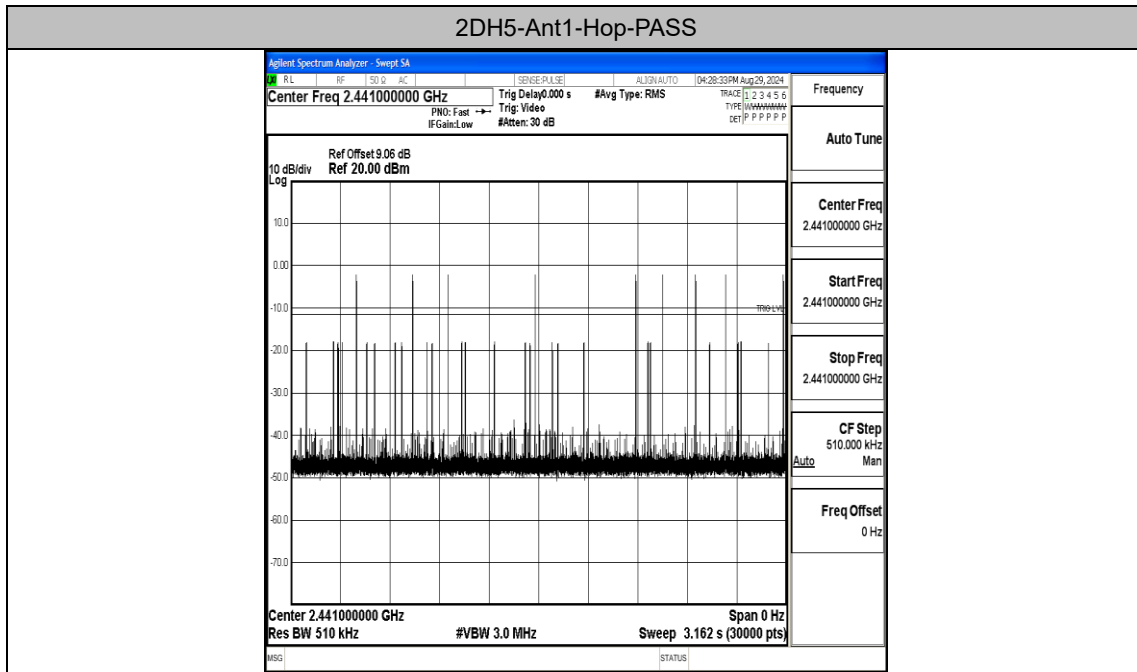
TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	90	0.26	≤0.4	PASS
2DH5	Ant1	Hop	2.891	100	0.289	≤0.4	PASS

Test Graphs



DH5-Ant1-Hop-PASS



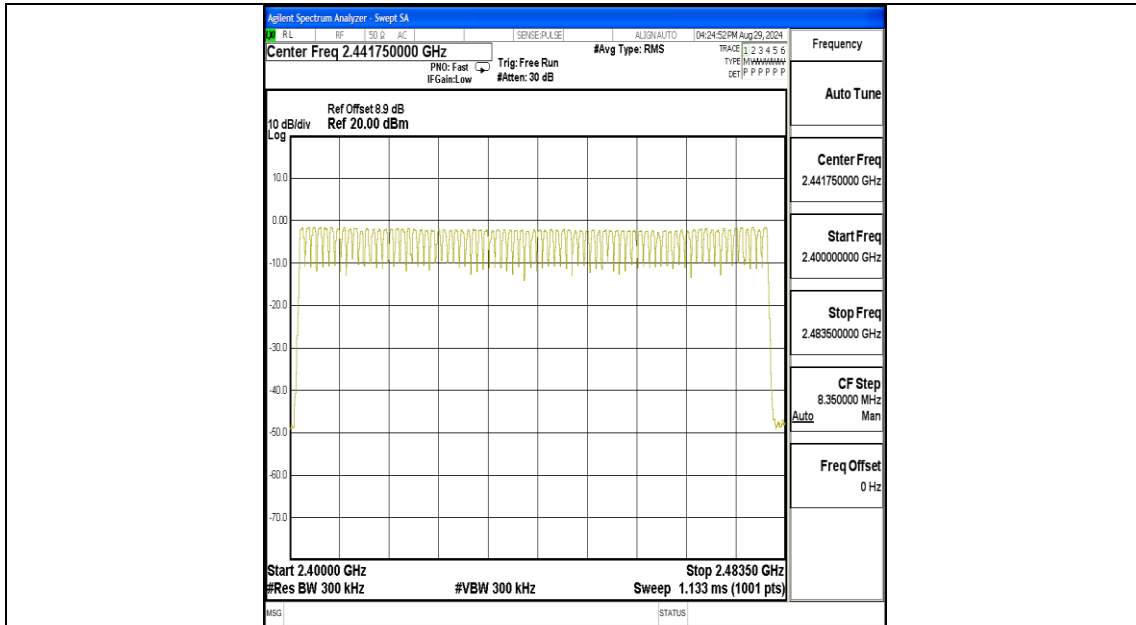


Appendix F: Number of hopping channels

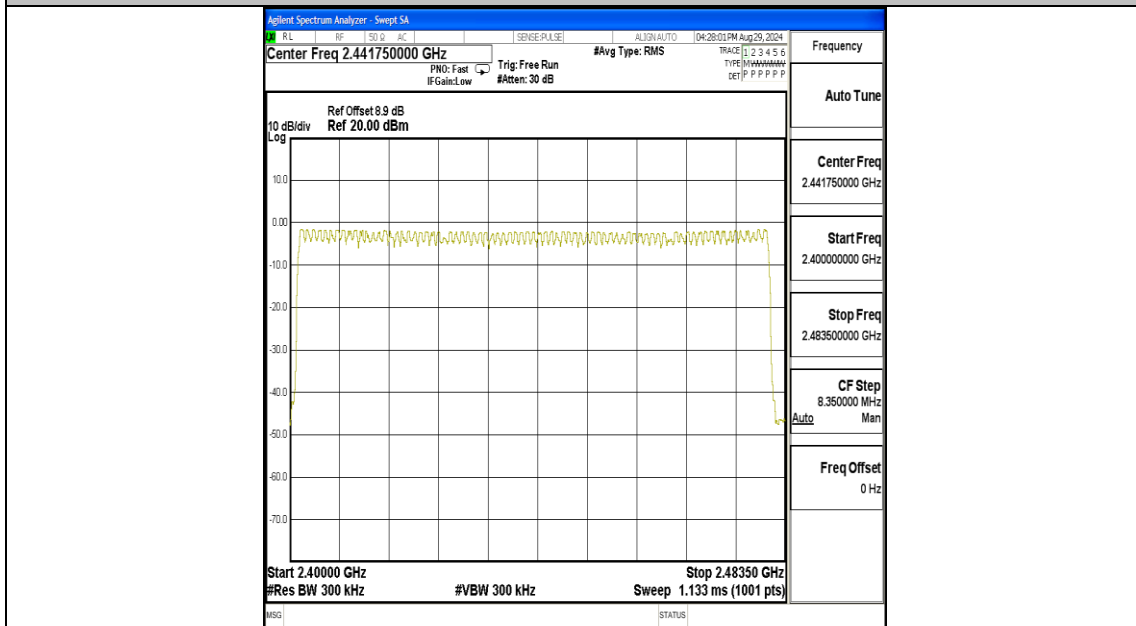
Test Result

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



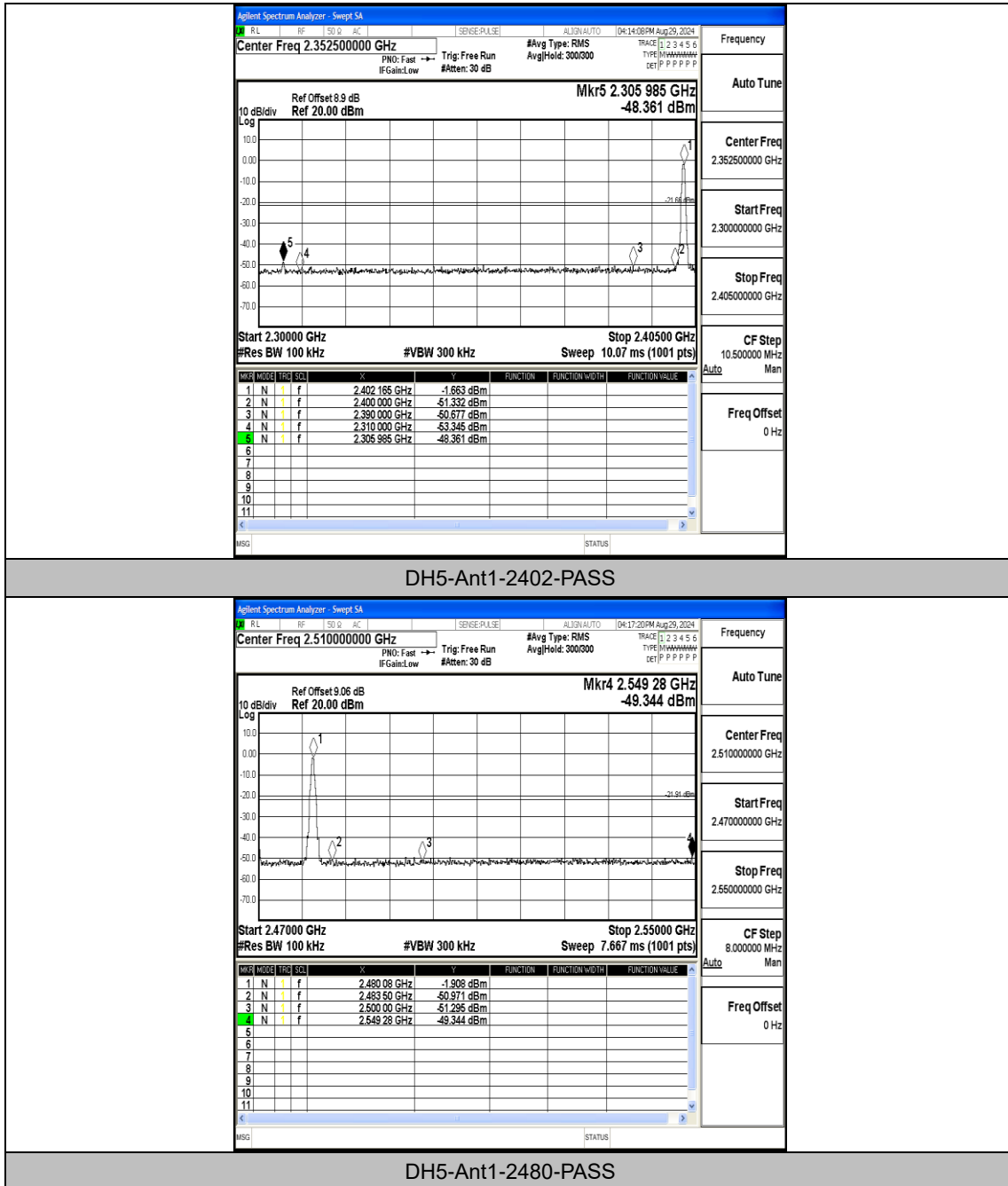
2DH5-Ant1-Hop-PASS

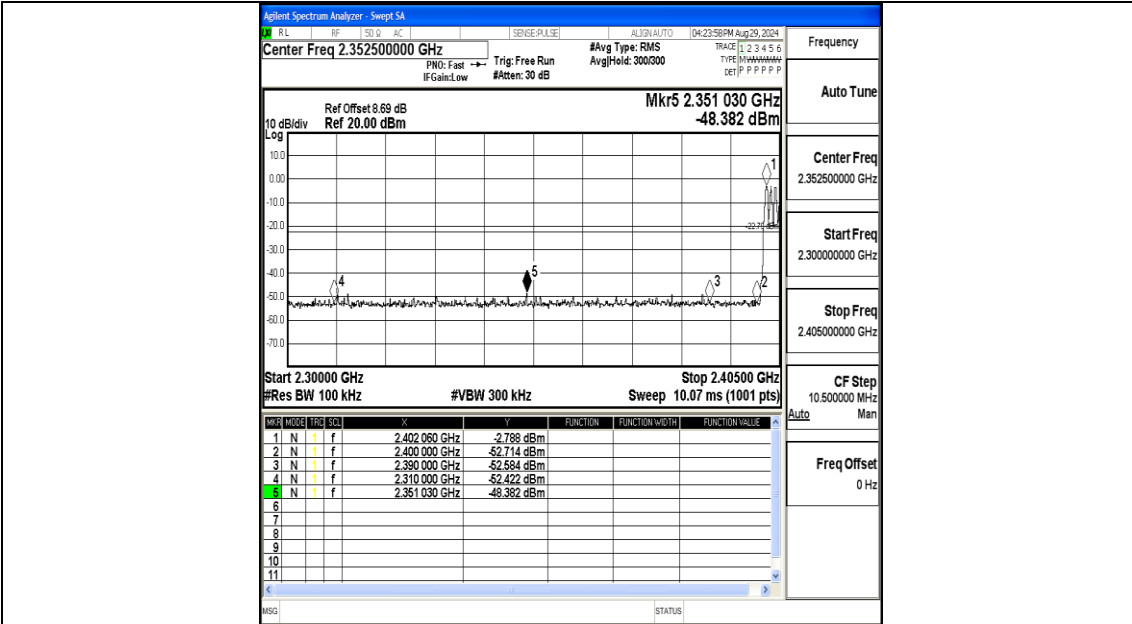
Appendix G: Band edge measurements

Test Result

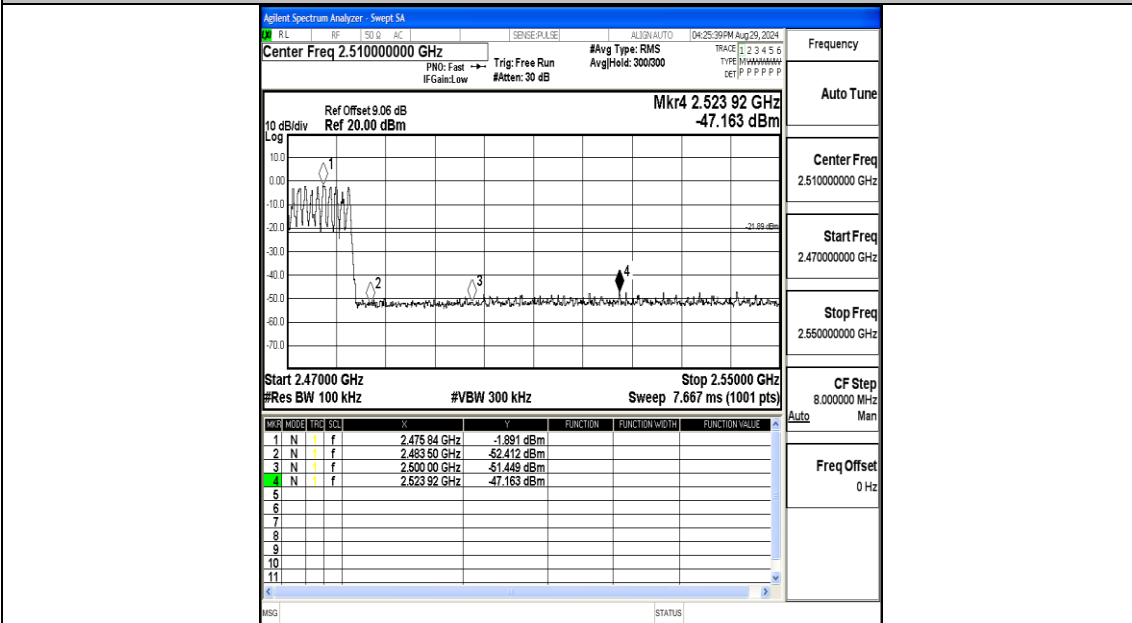
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.66	-48.36	≤-21.66	PASS
DH5	Ant1	High	2480	-1.91	-49.34	≤-21.91	PASS
DH5	Ant1	Low	Hop_2402	-2.79	-48.38	≤-22.79	PASS
DH5	Ant1	High	Hop_2480	-1.89	-47.16	≤-21.89	PASS
2DH5	Ant1	Low	2402	-2.03	-49.66	≤-22.03	PASS
2DH5	Ant1	High	2480	-1.70	-49.41	≤-21.7	PASS
2DH5	Ant1	Low	Hop_2402	-2.81	-49.64	≤-22.81	PASS
2DH5	Ant1	High	Hop_2480	-1.85	-48.8	≤-21.85	PASS

Test Graphs

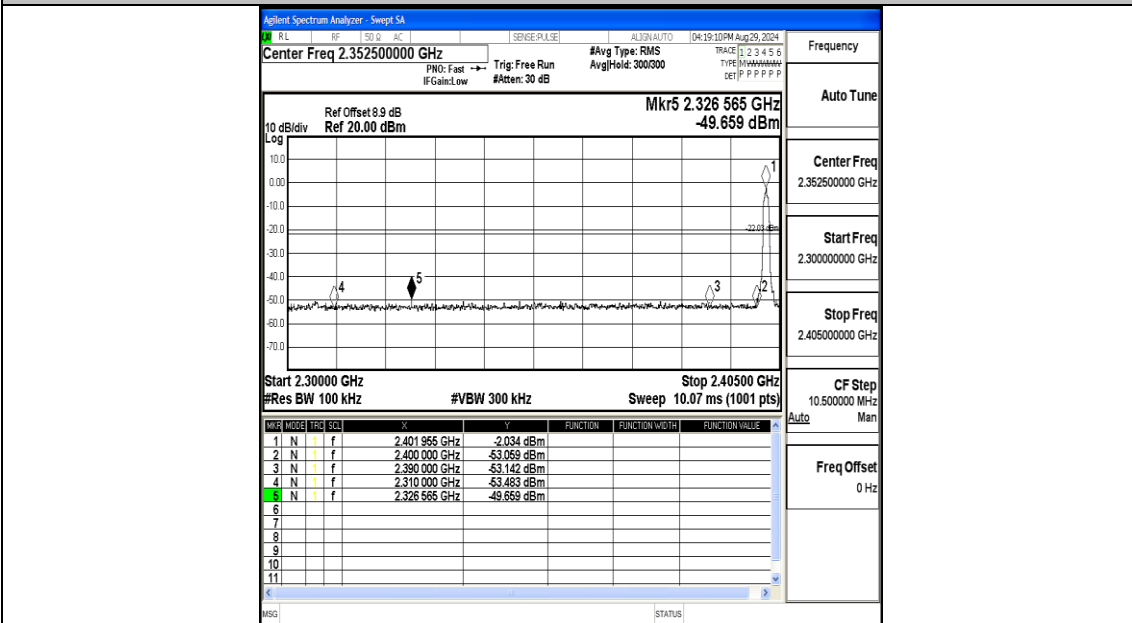




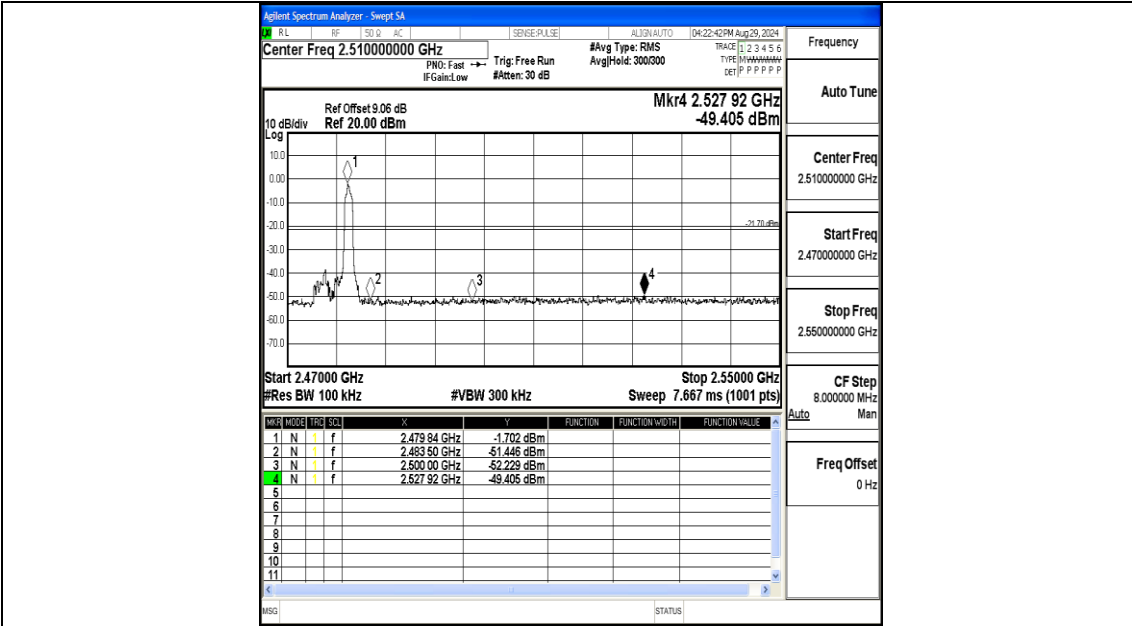
DH5-Ant1-Hop_2402-PASS



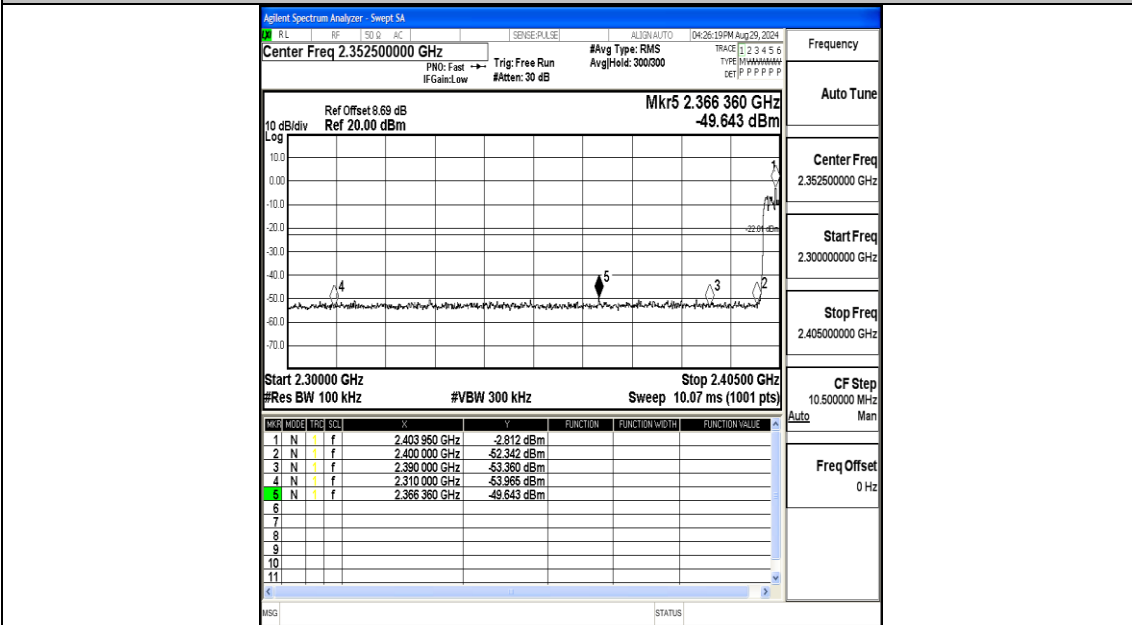
DH5-Ant1-Hop_2480-PASS



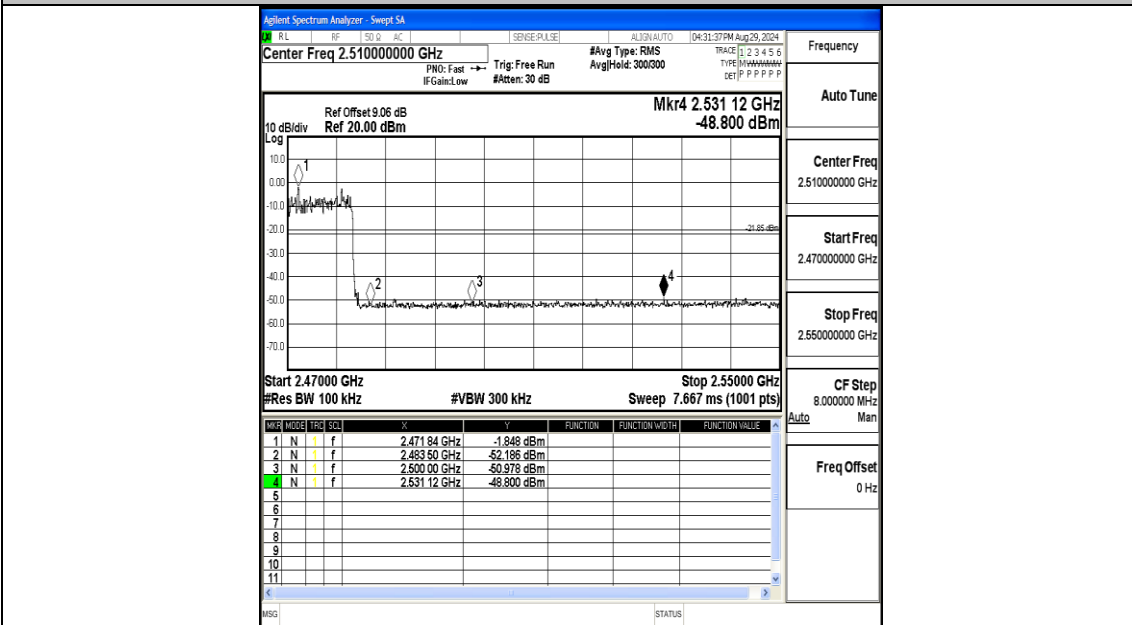
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



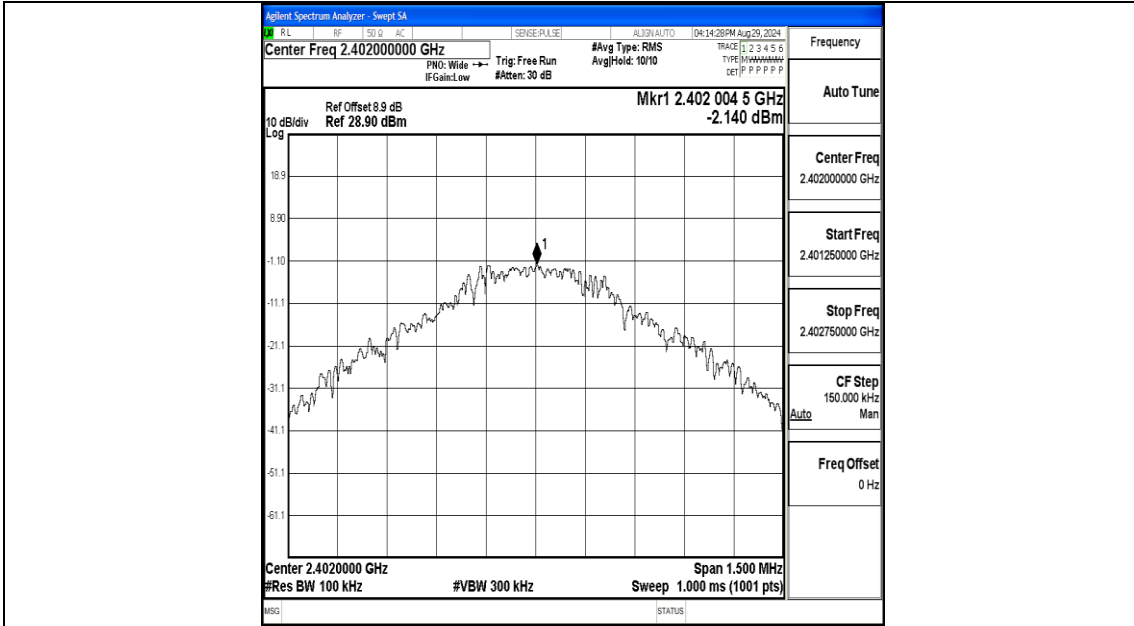
2DH5-Ant1-Hop_2480-PASS

Appendix H: Conducted Spurious Emission

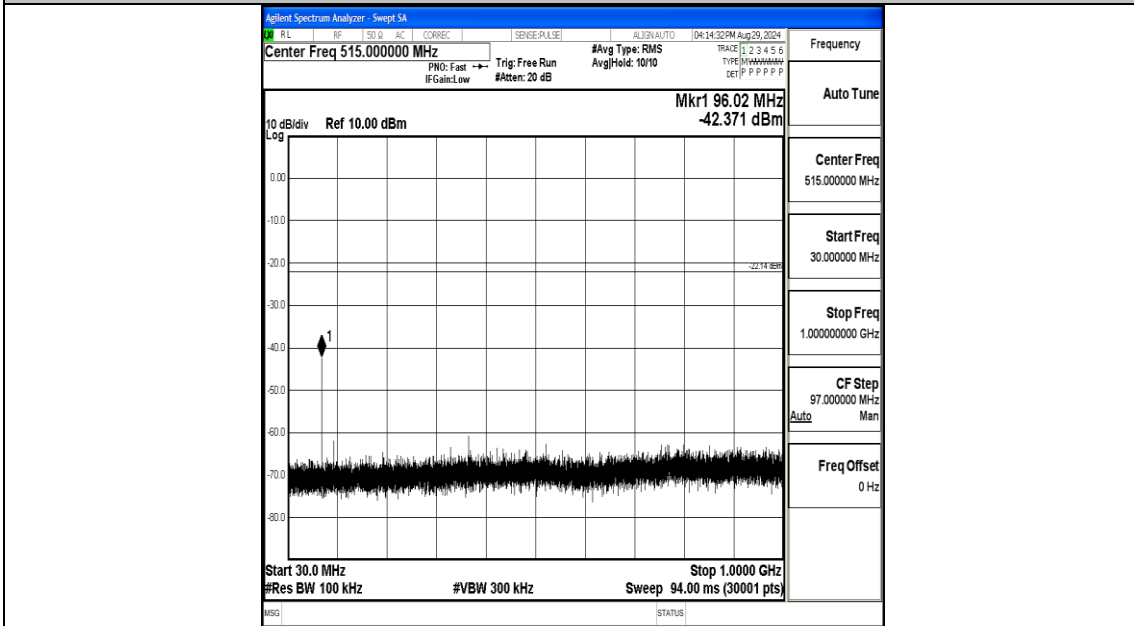
Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-2.14	-2.14	---	PASS
DH5	Ant1	2402	30~1000	-2.14	-42.37	≤-22.14	PASS
DH5	Ant1	2402	1000~26500	-2.14	-43.45	≤-22.14	PASS
DH5	Ant1	2441	0~Reference	-3.10	-3.10	---	PASS
DH5	Ant1	2441	30~1000	-3.10	-43.39	≤-23.1	PASS
DH5	Ant1	2441	1000~26500	-3.10	-41.76	≤-23.1	PASS
DH5	Ant1	2480	0~Reference	-2.55	-2.55	---	PASS
DH5	Ant1	2480	30~1000	-2.55	-57.41	≤-22.55	PASS
DH5	Ant1	2480	1000~26500	-2.55	-42.2	≤-22.55	PASS
2DH5	Ant1	2402	0~Reference	-2.87	-2.87	---	PASS
2DH5	Ant1	2402	30~1000	-2.87	-42.45	≤-22.87	PASS
2DH5	Ant1	2402	1000~26500	-2.87	-43.18	≤-22.87	PASS
2DH5	Ant1	2441	0~Reference	-2.59	-2.59	---	PASS
2DH5	Ant1	2441	30~1000	-2.59	-60.22	≤-22.59	PASS
2DH5	Ant1	2441	1000~26500	-2.59	-41.44	≤-22.59	PASS
2DH5	Ant1	2480	0~Reference	-2.28	-2.28	---	PASS
2DH5	Ant1	2480	30~1000	-2.28	-52.87	≤-22.28	PASS
2DH5	Ant1	2480	1000~26500	-2.28	-41.4	≤-22.28	PASS

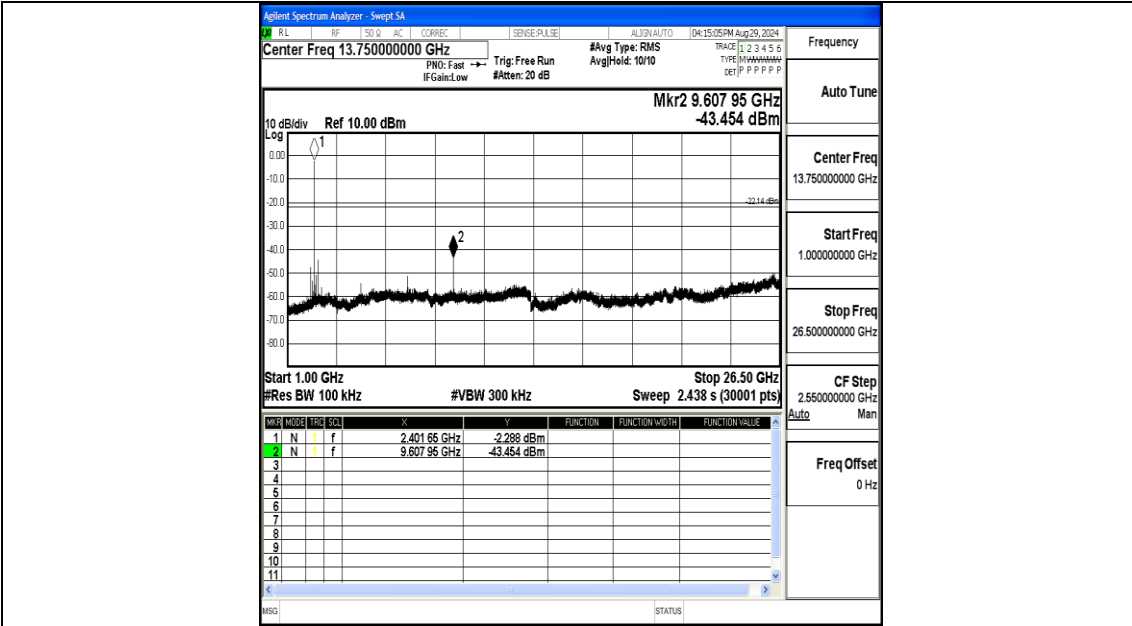
Test Graphs



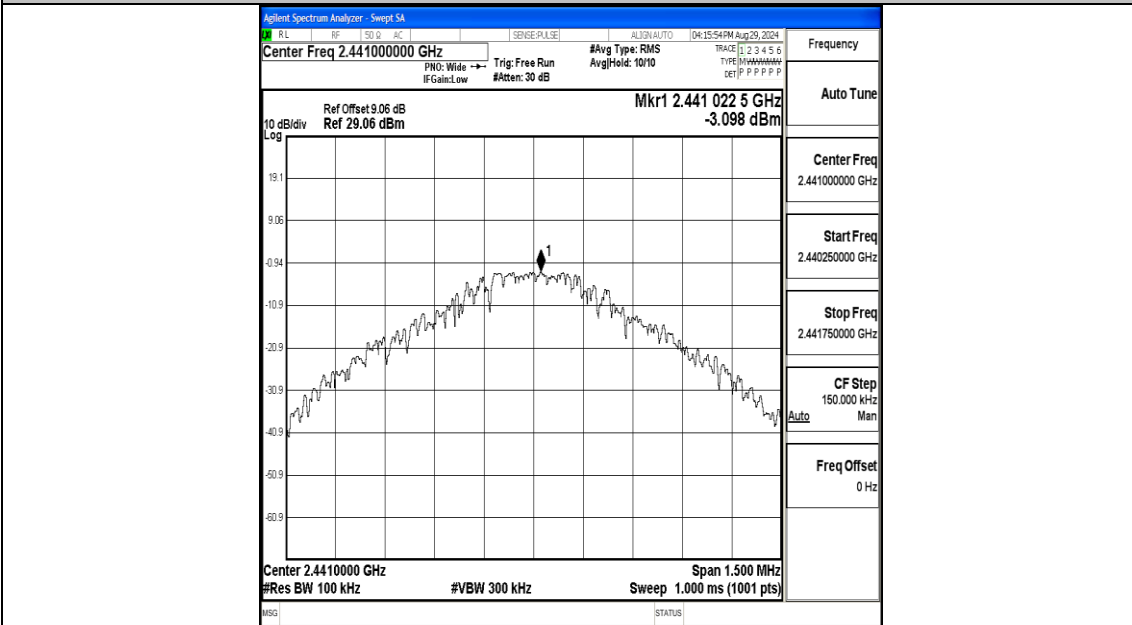
DH5-Ant1-2402-0~Reference-PASS



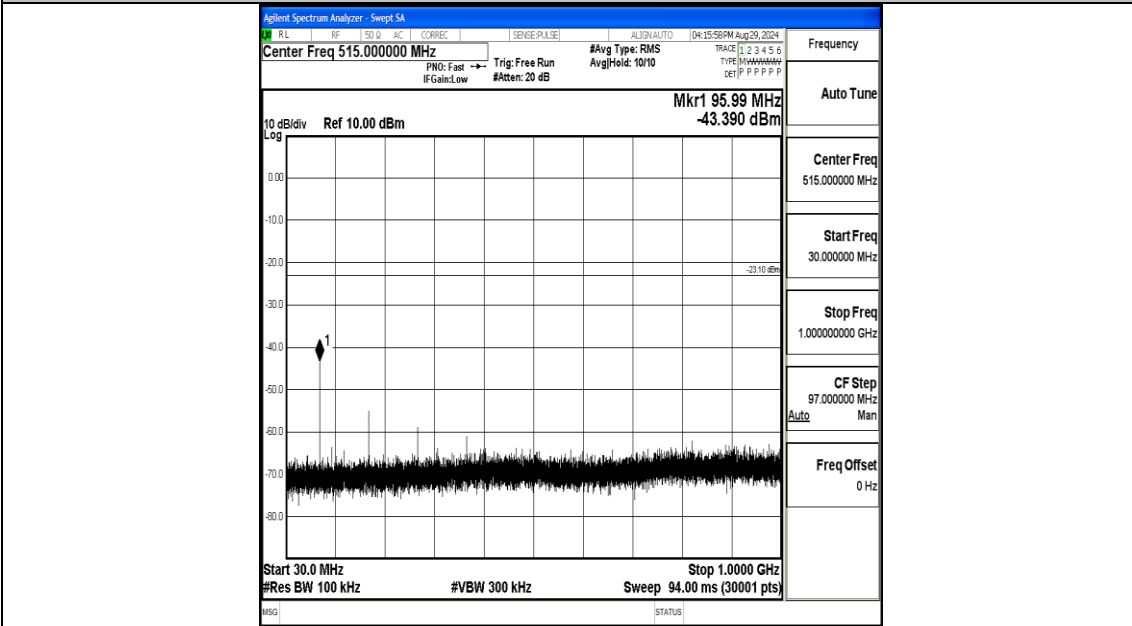
DH5-Ant1-2402-30~1000-PASS



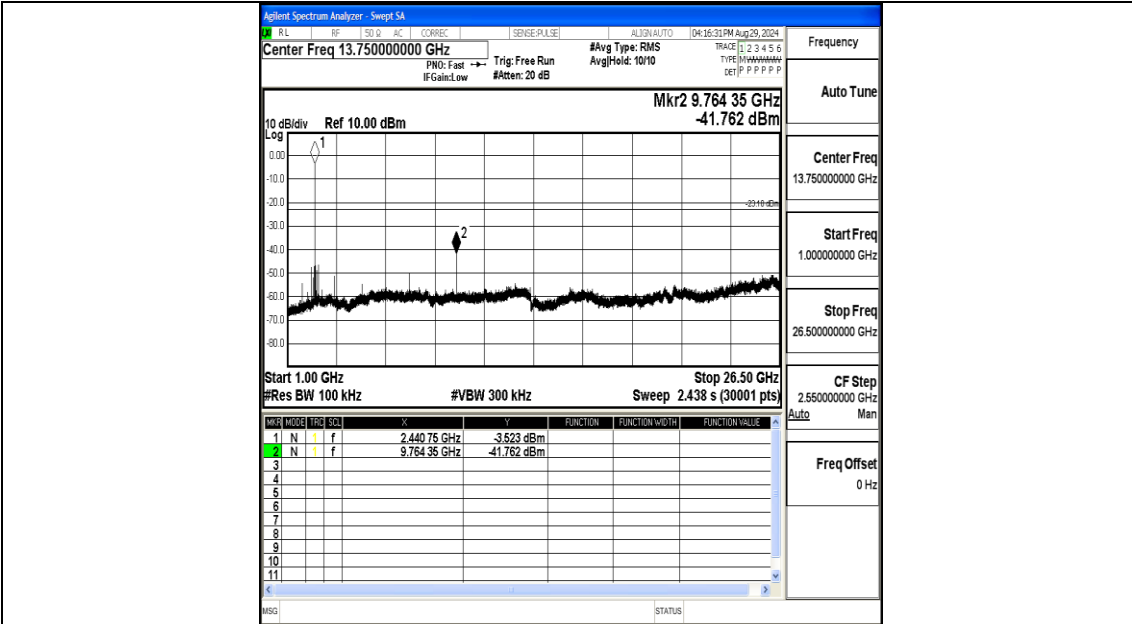
DH5-Ant1-2402-1000~26500-PASS



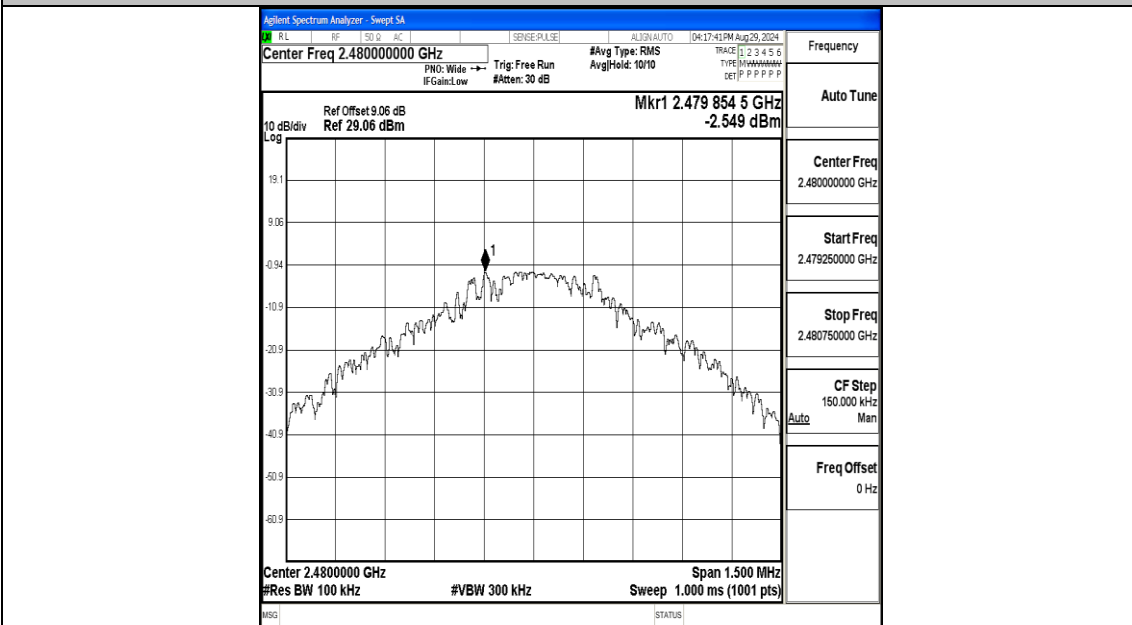
DH5-Ant1-2441-0~Reference-PASS



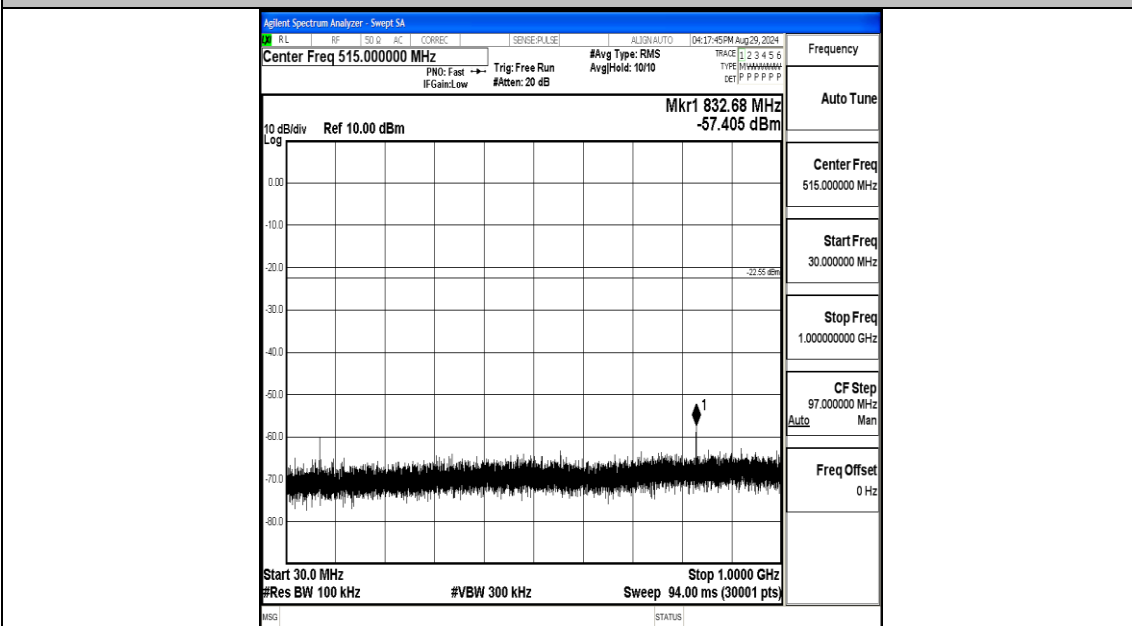
DH5-Ant1-2441-30~1000-PASS



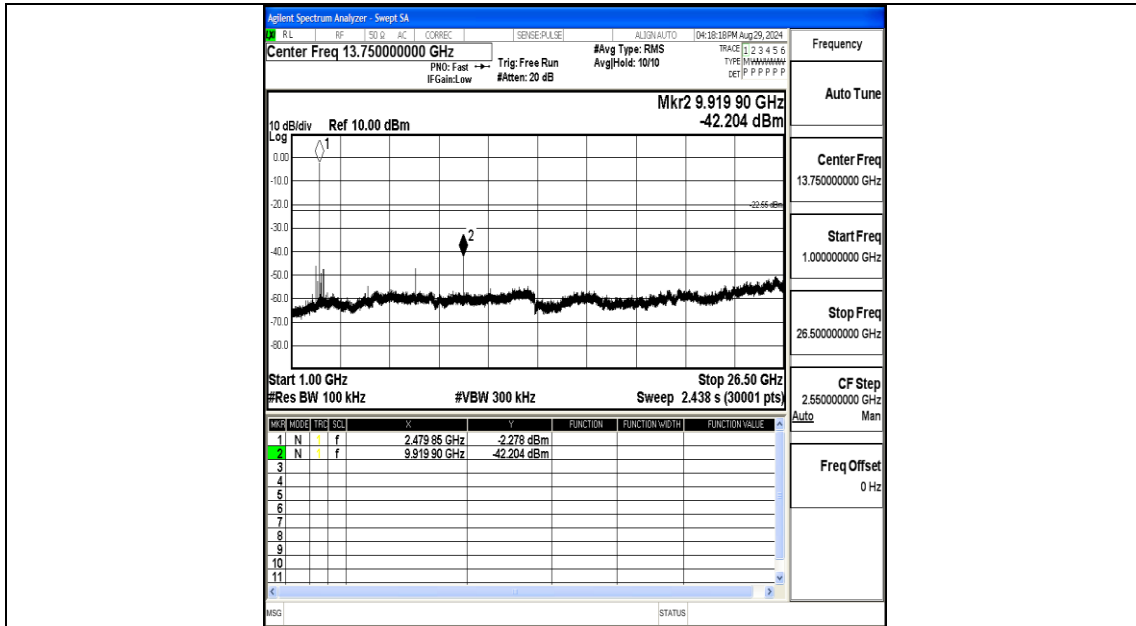
DH5-Ant1-2441-1000~26500-PASS



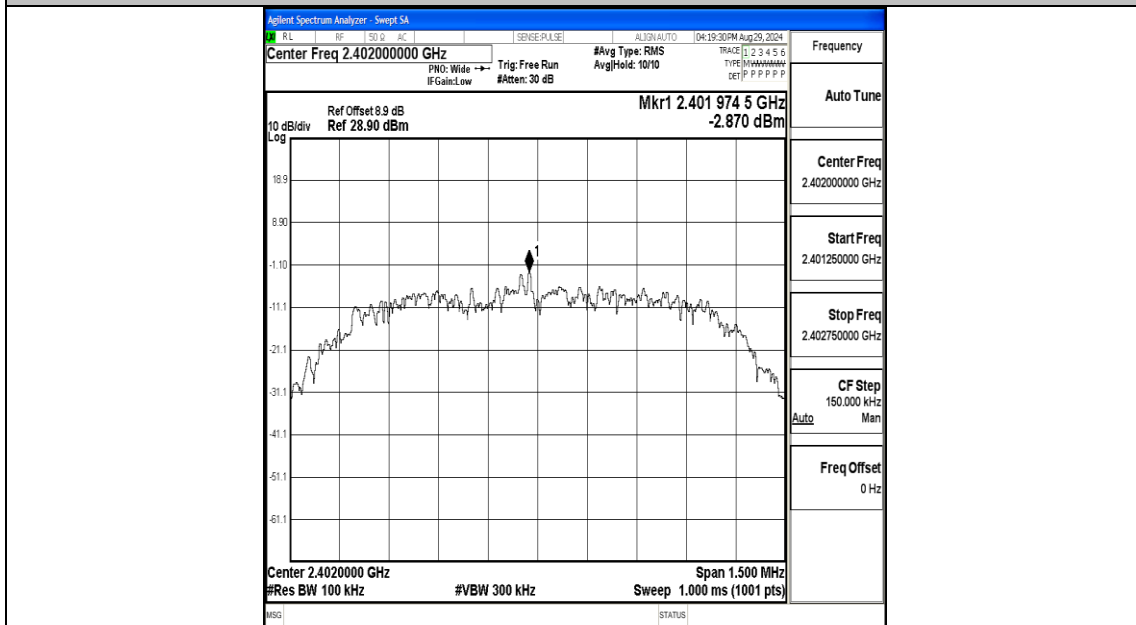
DH5-Ant1-2480-0~Reference-PASS



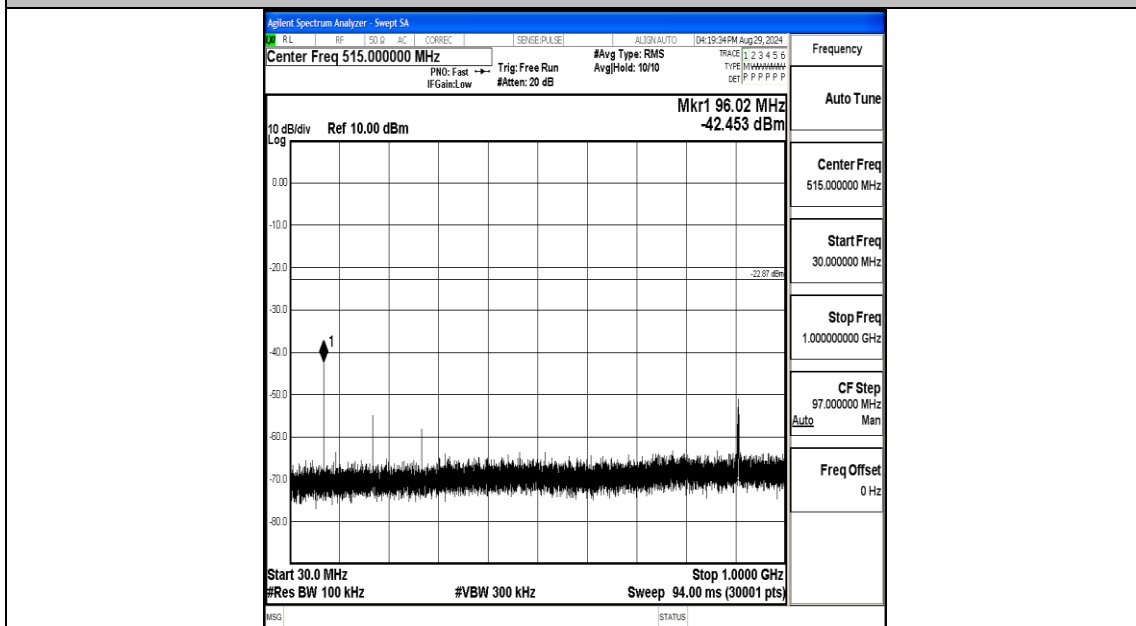
DH5-Ant1-2480-30~1000-PASS



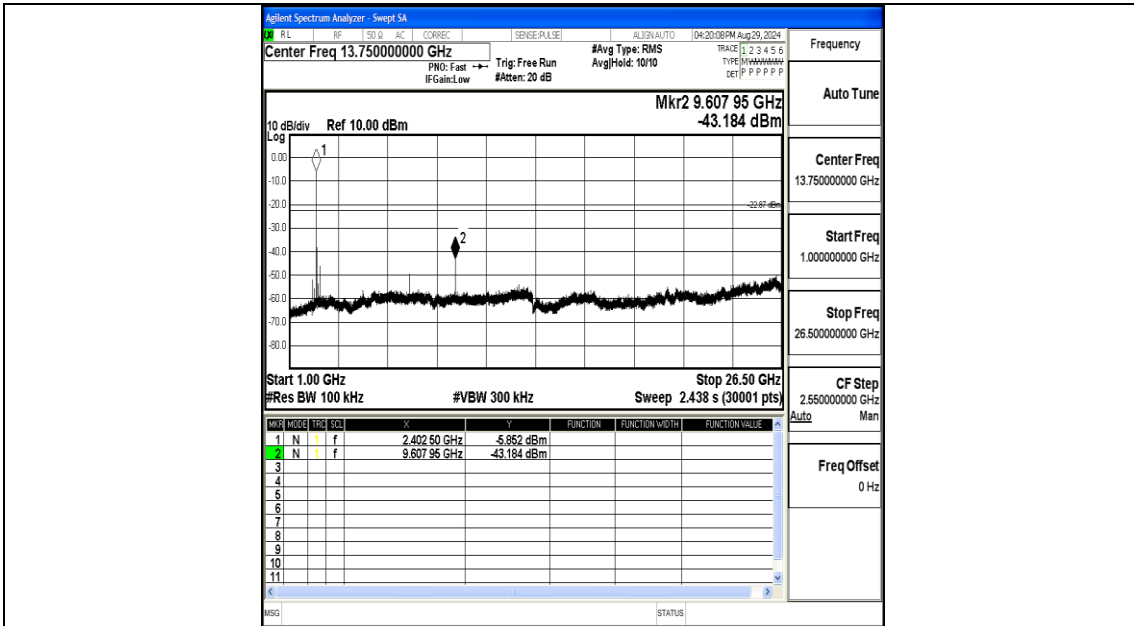
DH5-Ant1-2480-1000~26500-PASS



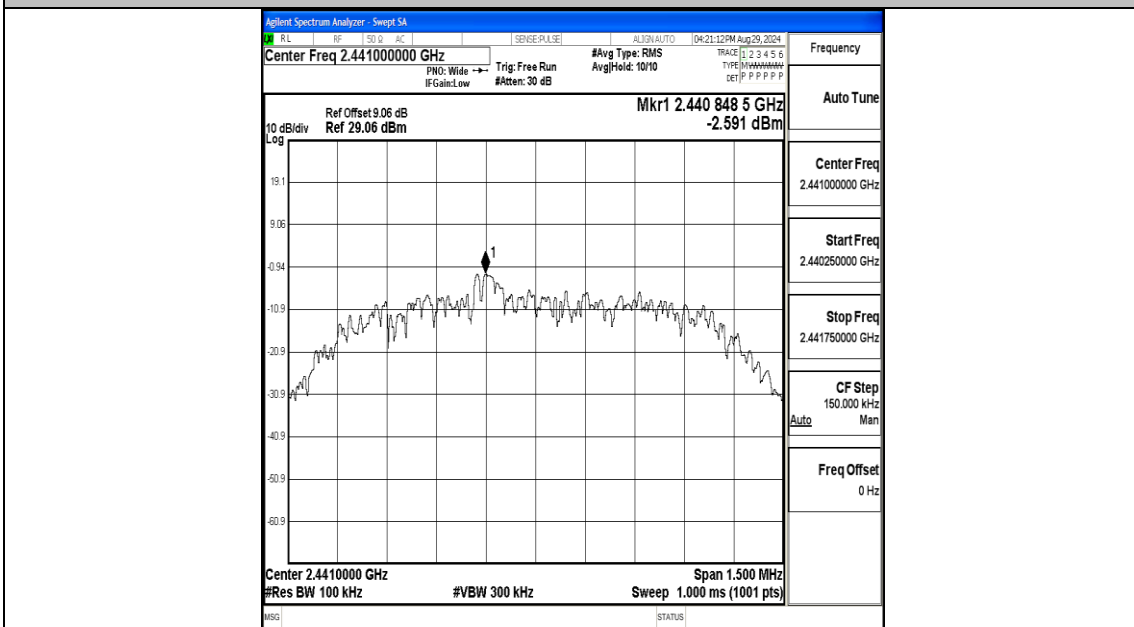
2DH5-Ant1-2402-0~Reference-PASS



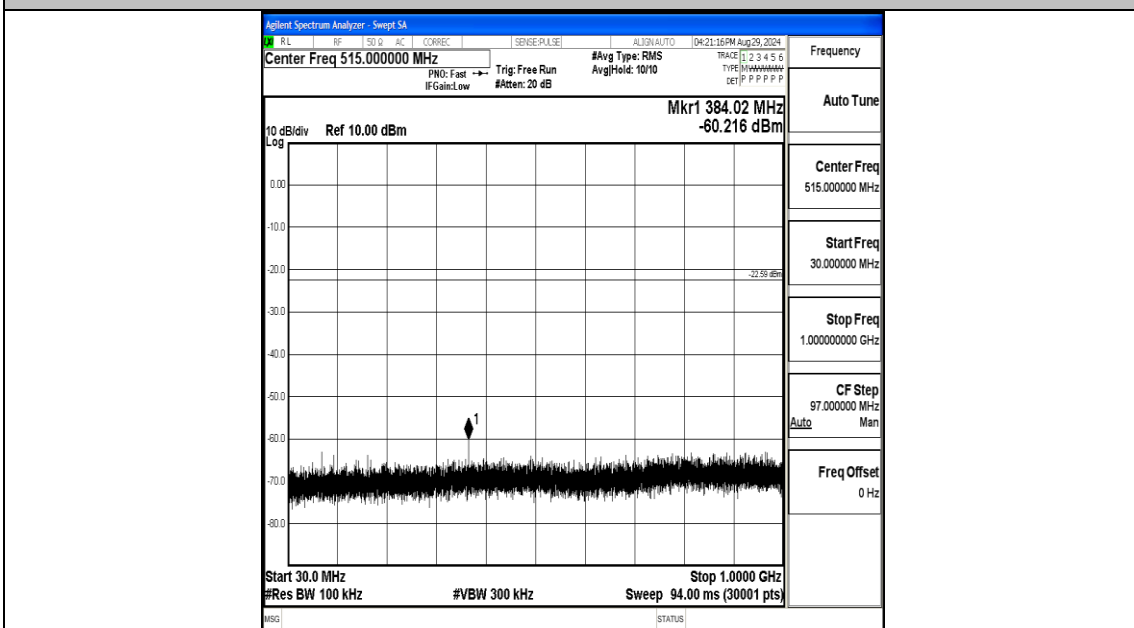
2DH5-Ant1-2402-30~1000-PASS



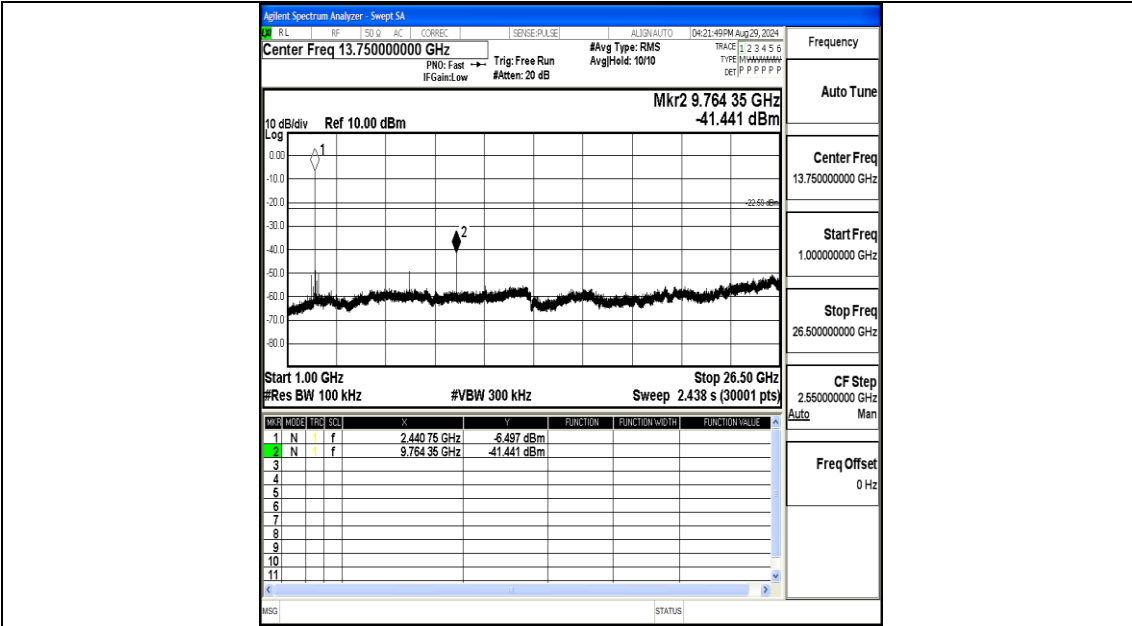
2DH5-Ant1-2402-1000~26500-PASS



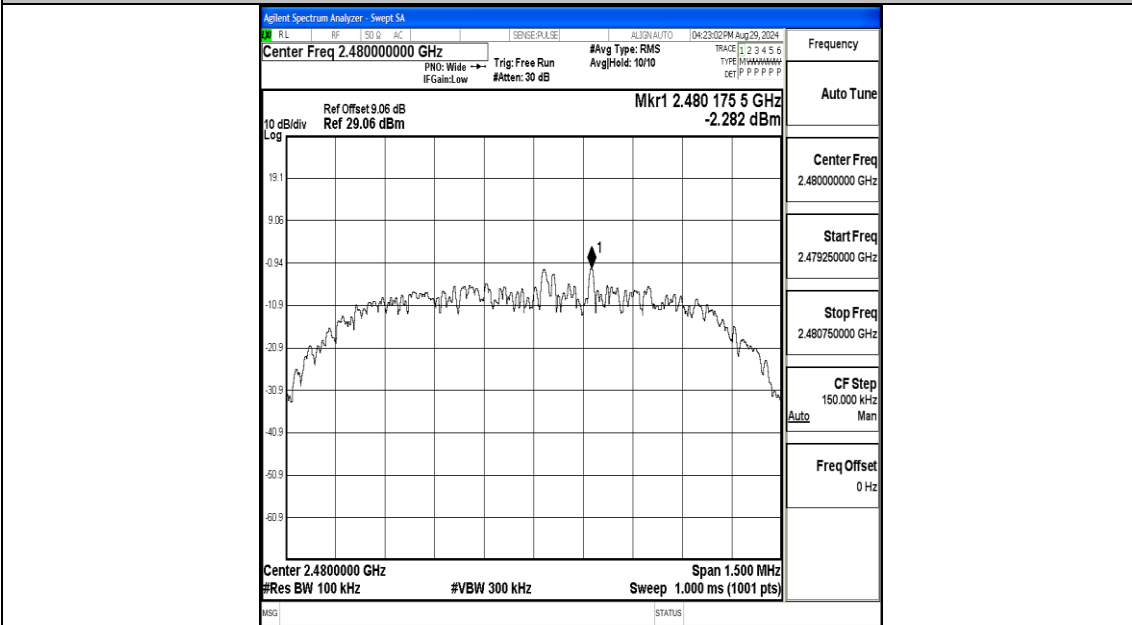
2DH5-Ant1-2441-0~Reference-PASS



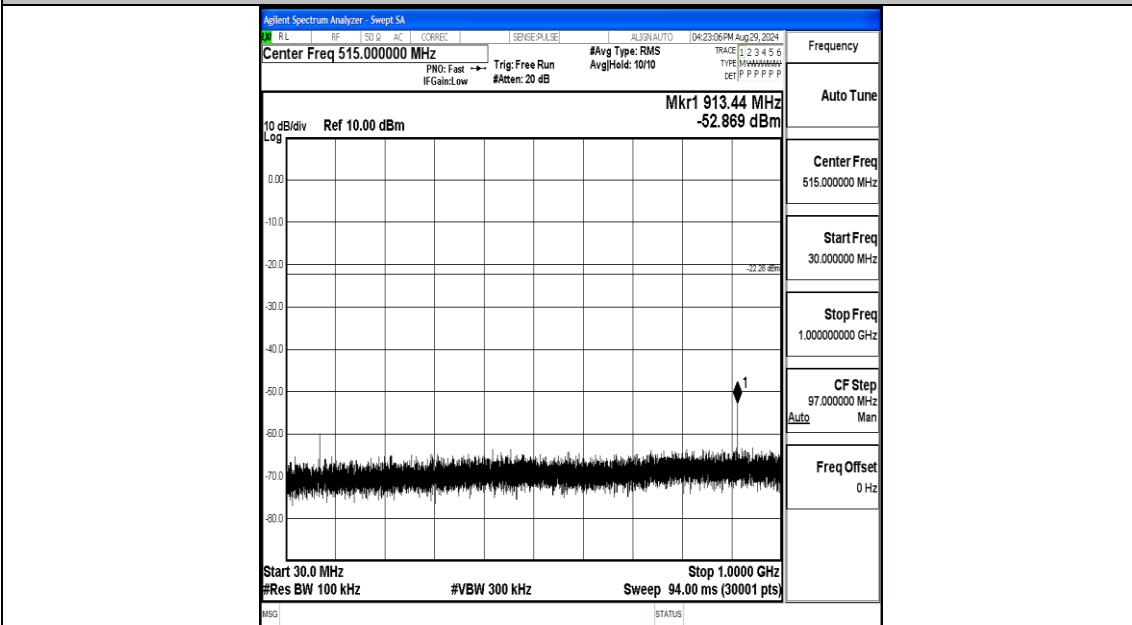
2DH5-Ant1-2441-30~1000-PASS



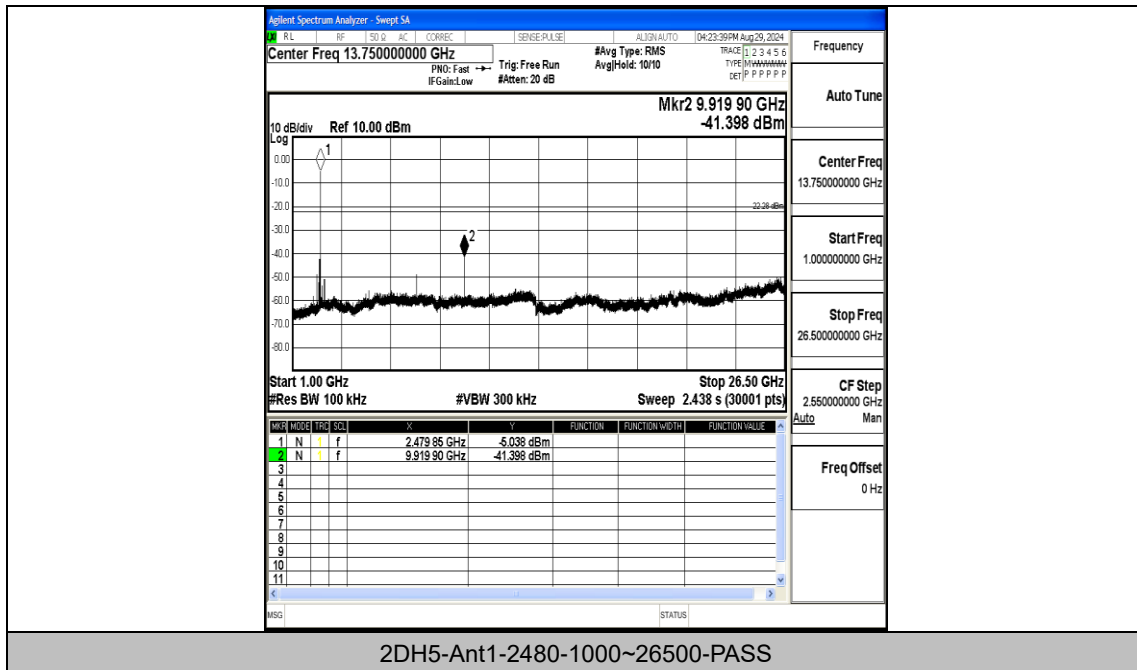
2DH5-Ant1-2441-1000~26500-PASS



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



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

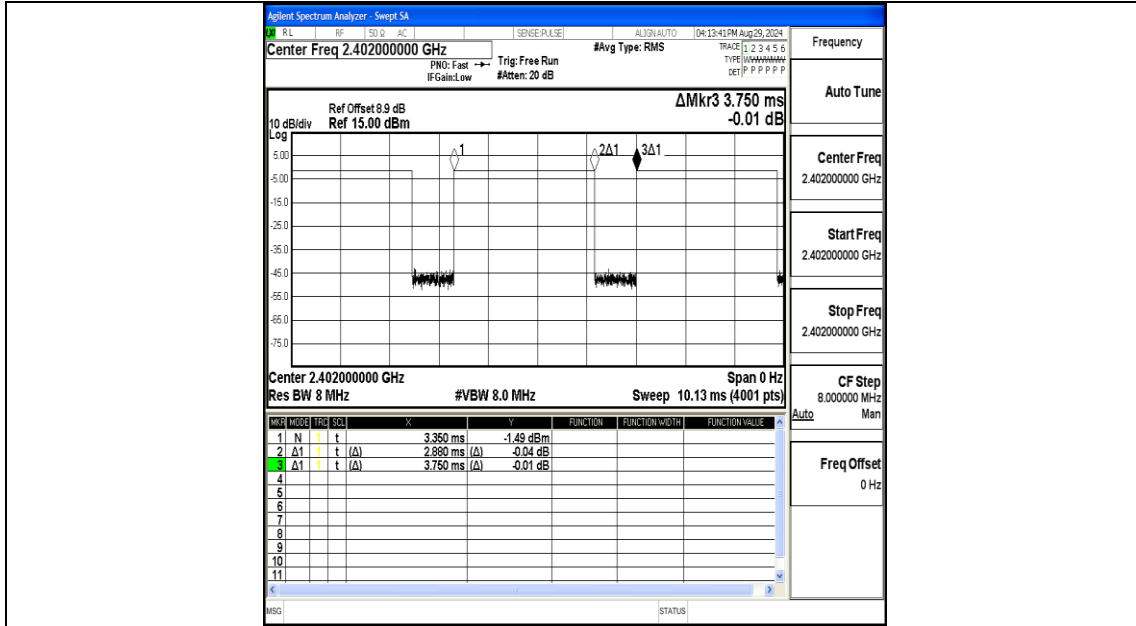


Appendix I: Duty Cycle

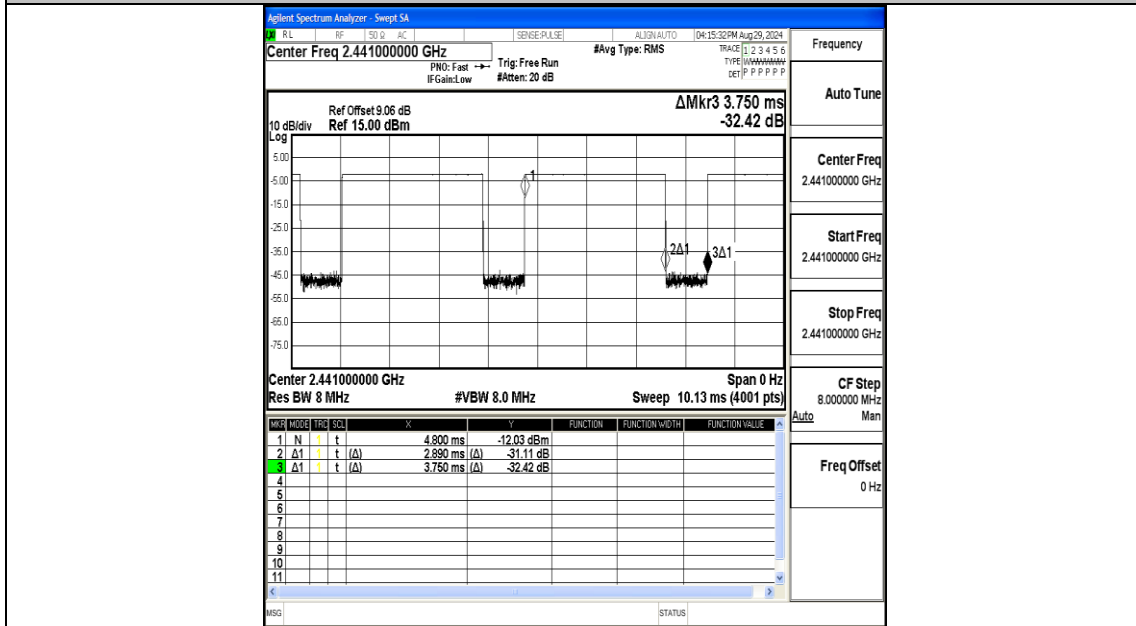
Test Result

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	2.90	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

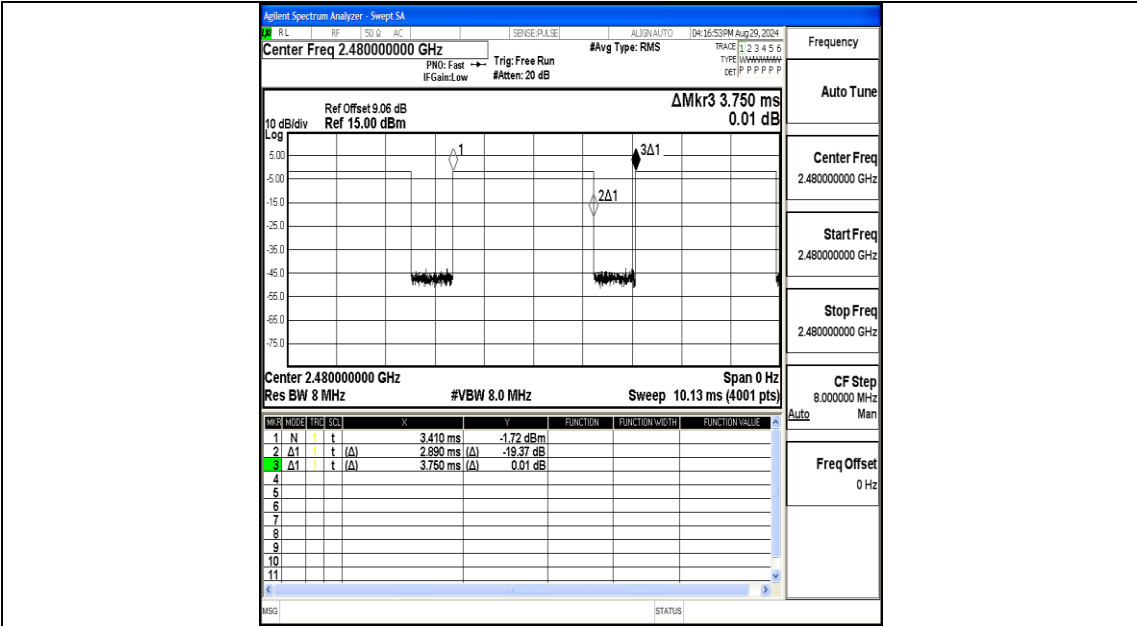
Test Graphs



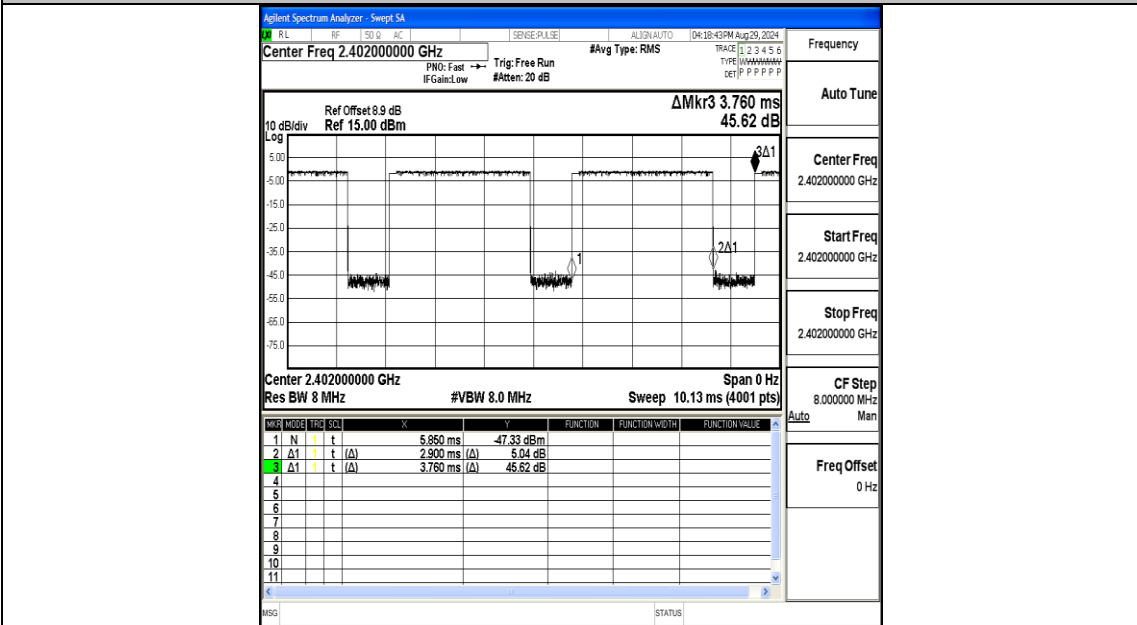
NTNV-DH5-Ant1-2402



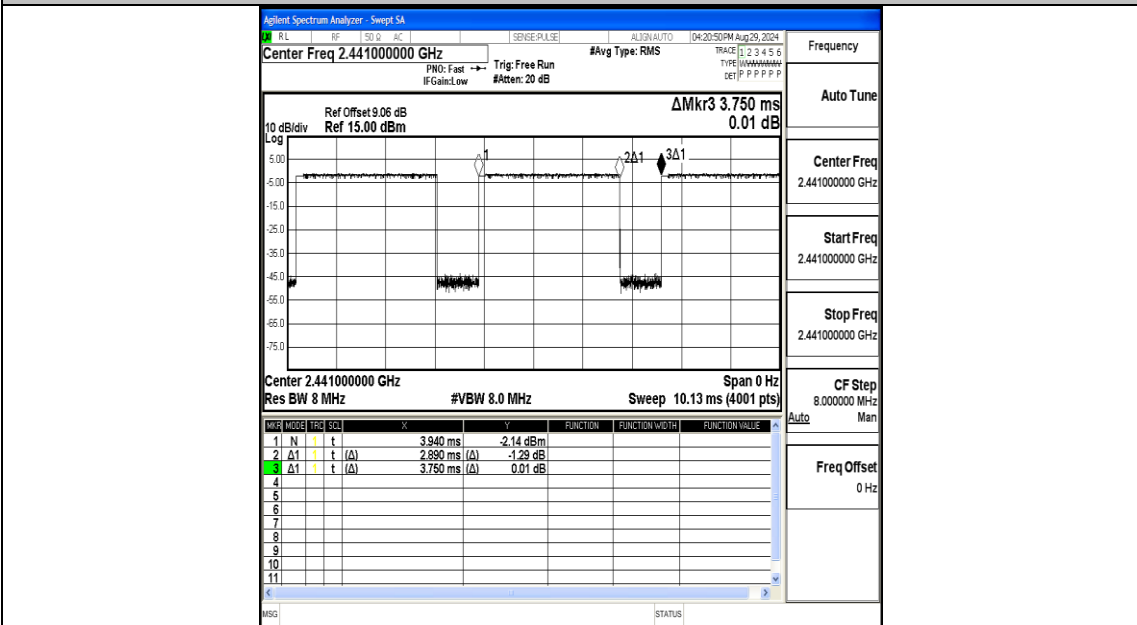
NTNV-DH5-Ant1-2441



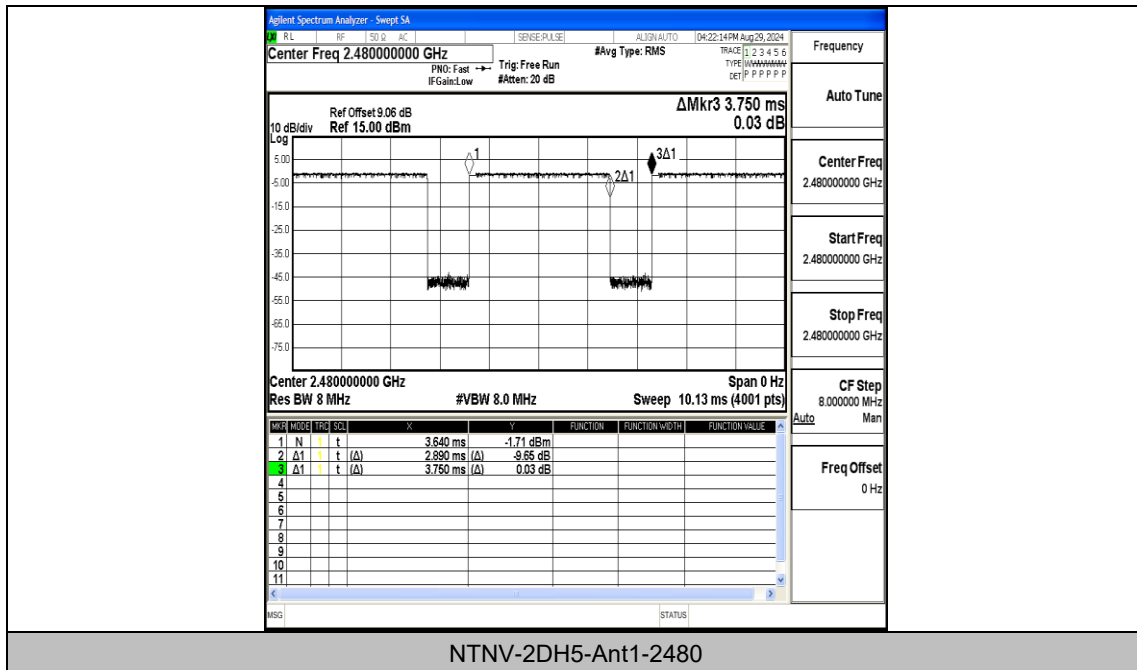
NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480