

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

Product Name: Wireless Speaker

Trade Mark: N/A

Test Model: TM001

FCC ID: 2BHXF-TM001

Environmental Conditions

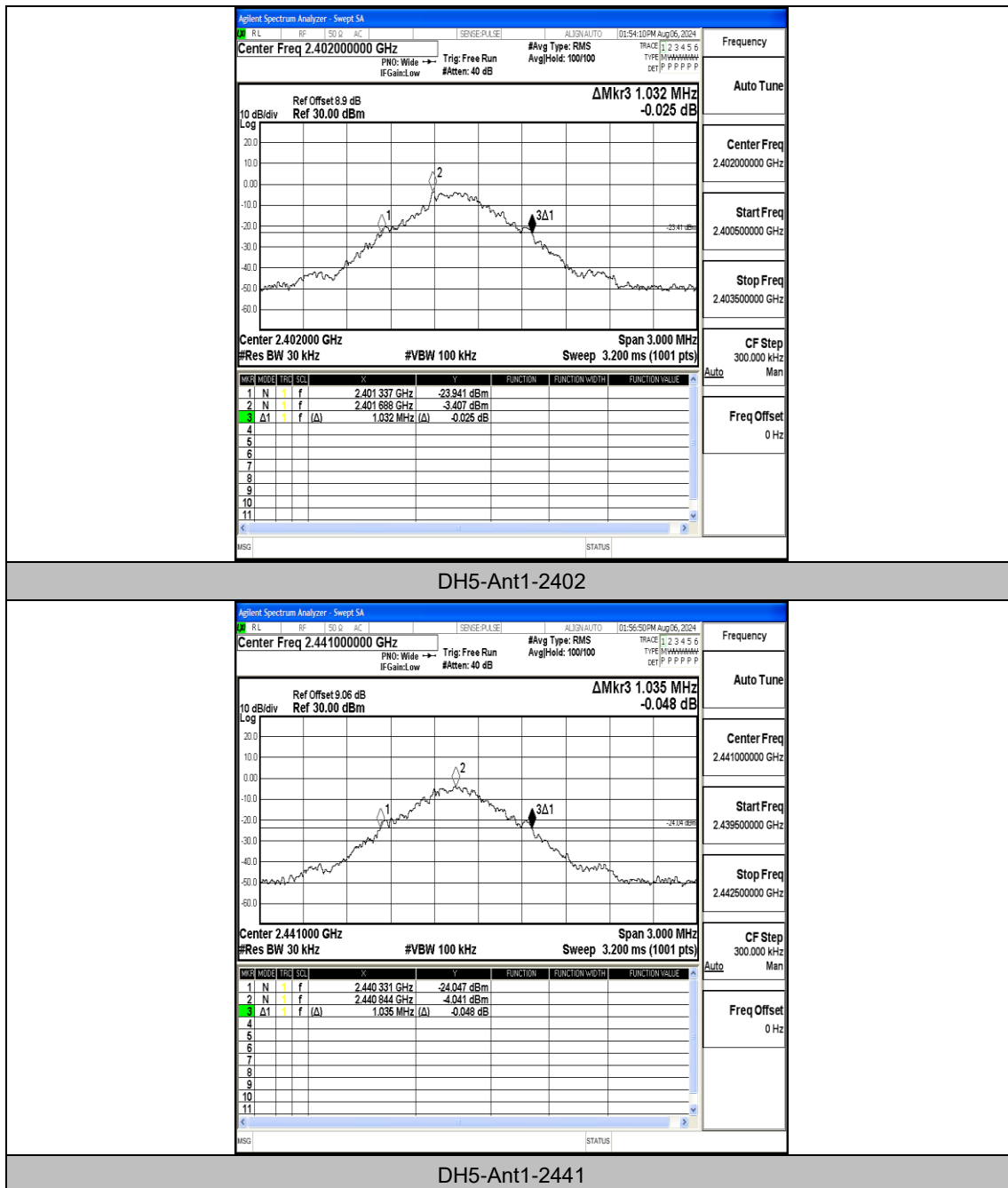
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

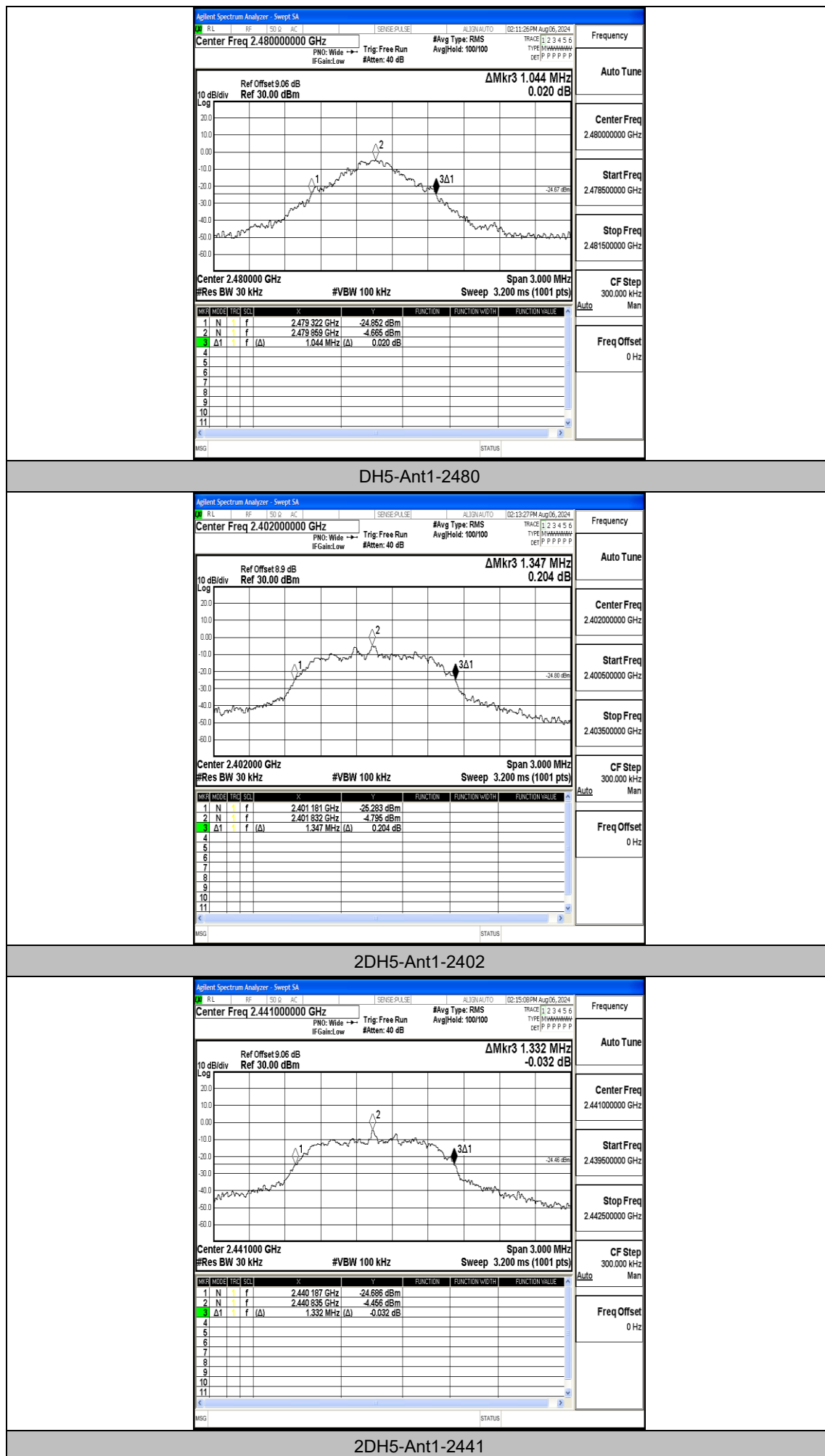
Appendix A: 20dB Emission Bandwidth

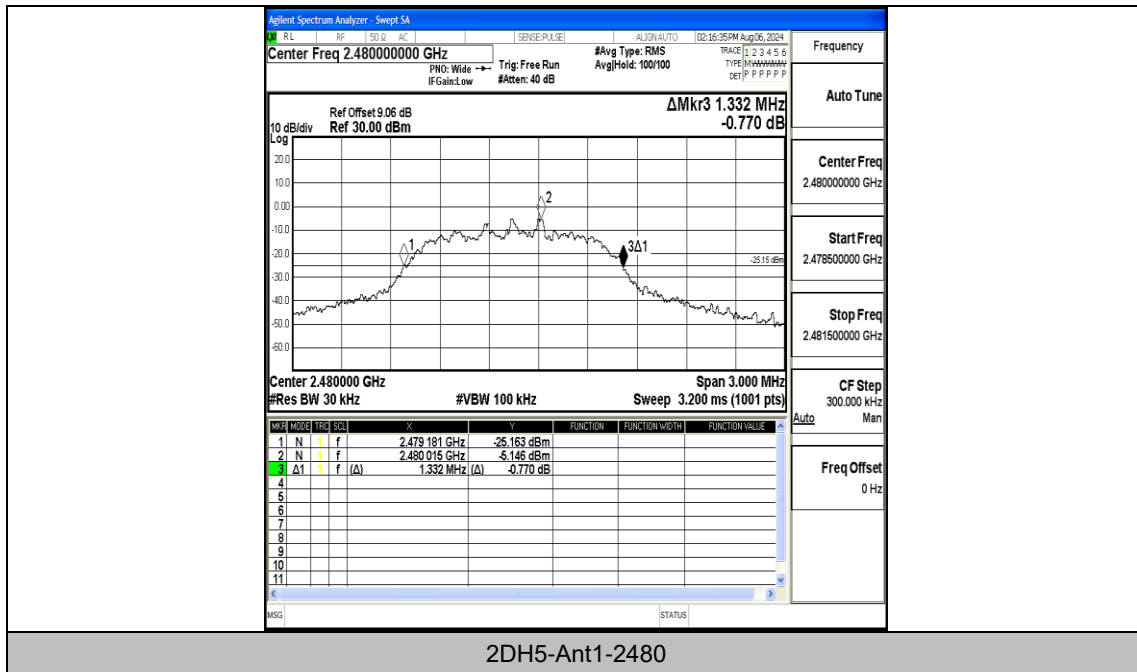
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.032	2401.337	2402.369	---	---
DH5	Ant1	2441	1.035	2440.331	2441.366	---	---
DH5	Ant1	2480	1.044	2479.322	2480.366	---	---
2DH5	Ant1	2402	1.347	2401.181	2402.528	---	---
2DH5	Ant1	2441	1.332	2440.187	2441.519	---	---
2DH5	Ant1	2480	1.332	2479.181	2480.513	---	---

Test Graphs





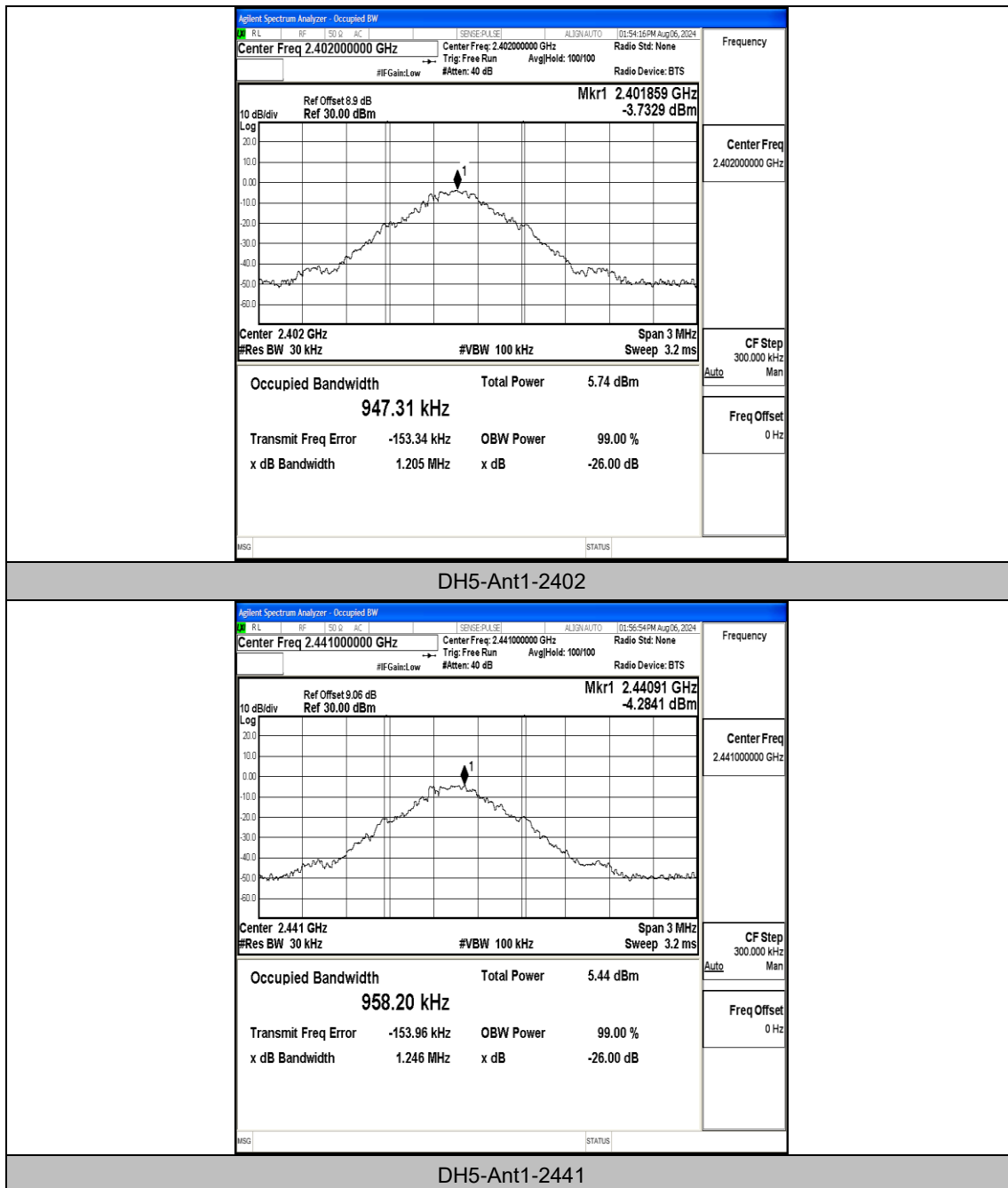


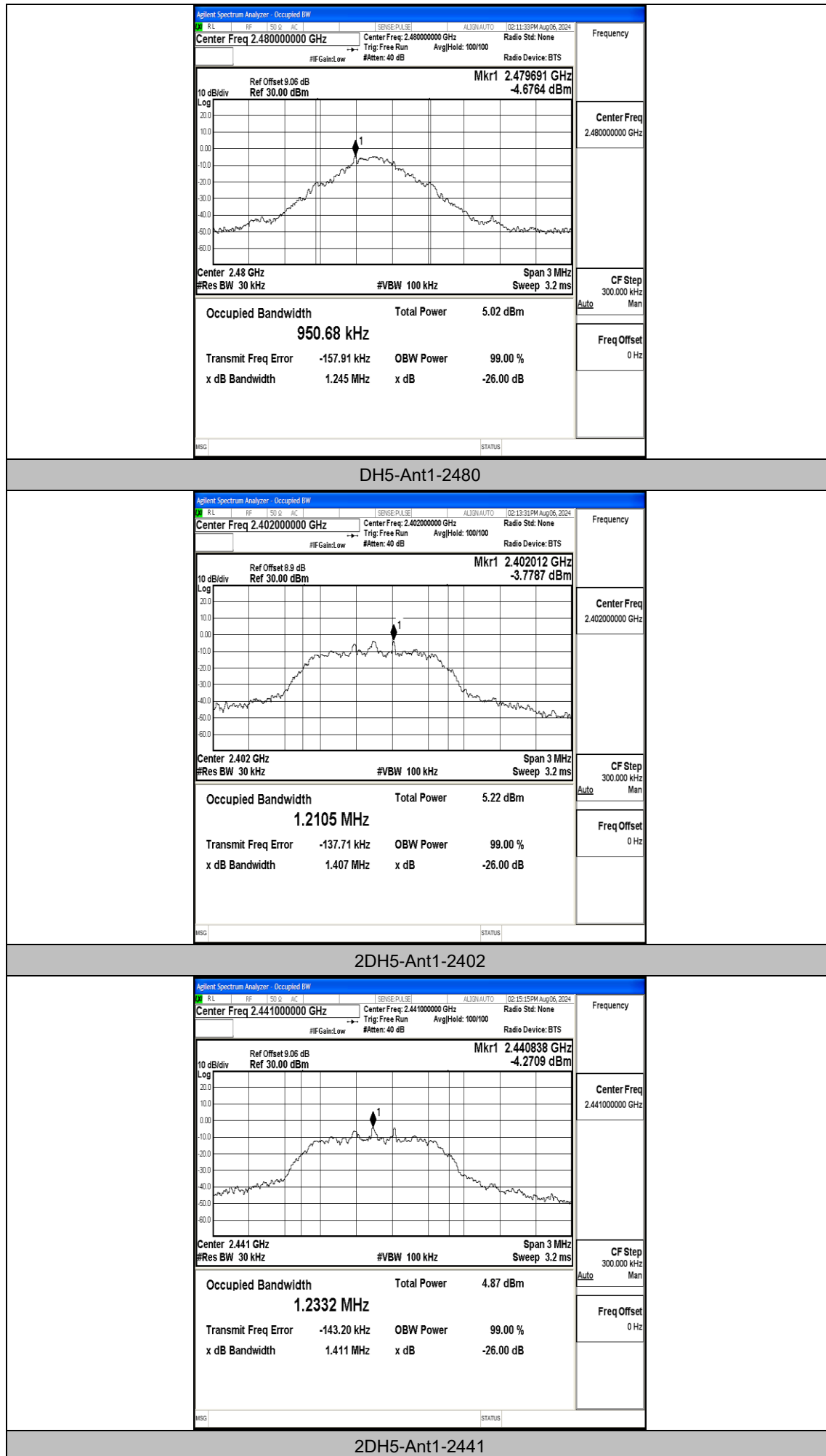
Appendix B: Occupied Channel Bandwidth

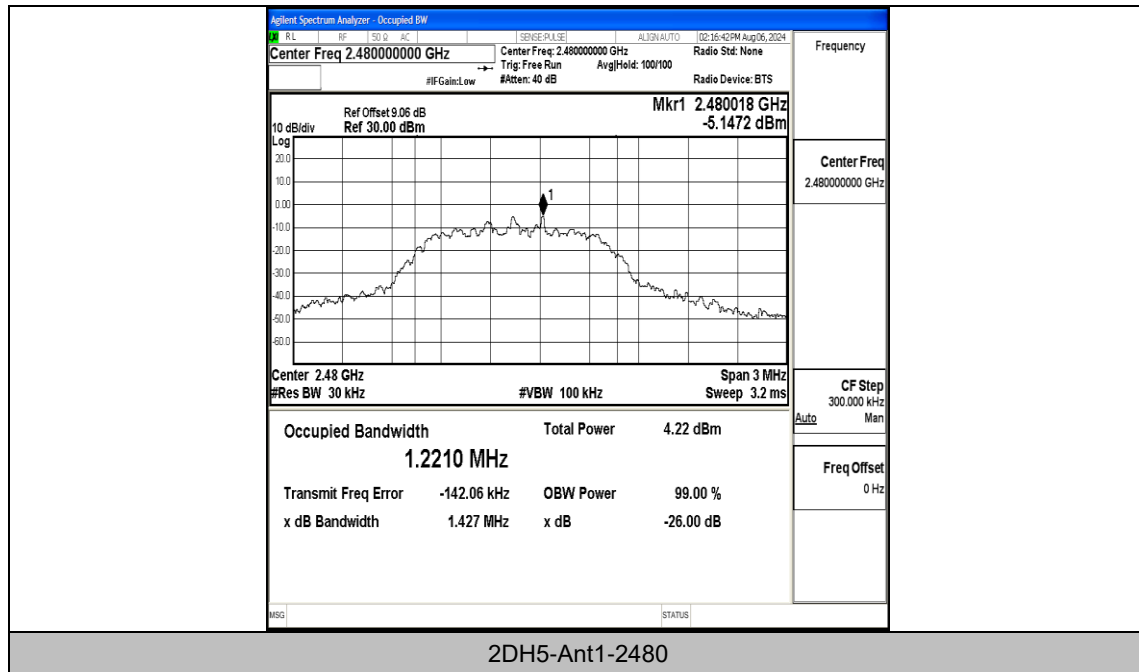
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.94731	2401.3730	2402.3203	---	---
DH5	Ant1	2441	0.95820	2440.3669	2441.3251	---	---
DH5	Ant1	2480	0.95068	2479.3668	2480.3174	---	---
2DH5	Ant1	2402	1.2105	2401.2570	2402.4675	---	---
2DH5	Ant1	2441	1.2332	2440.2402	2441.4734	---	---
2DH5	Ant1	2480	1.2210	2479.2474	2480.4684	---	---

Test Graphs





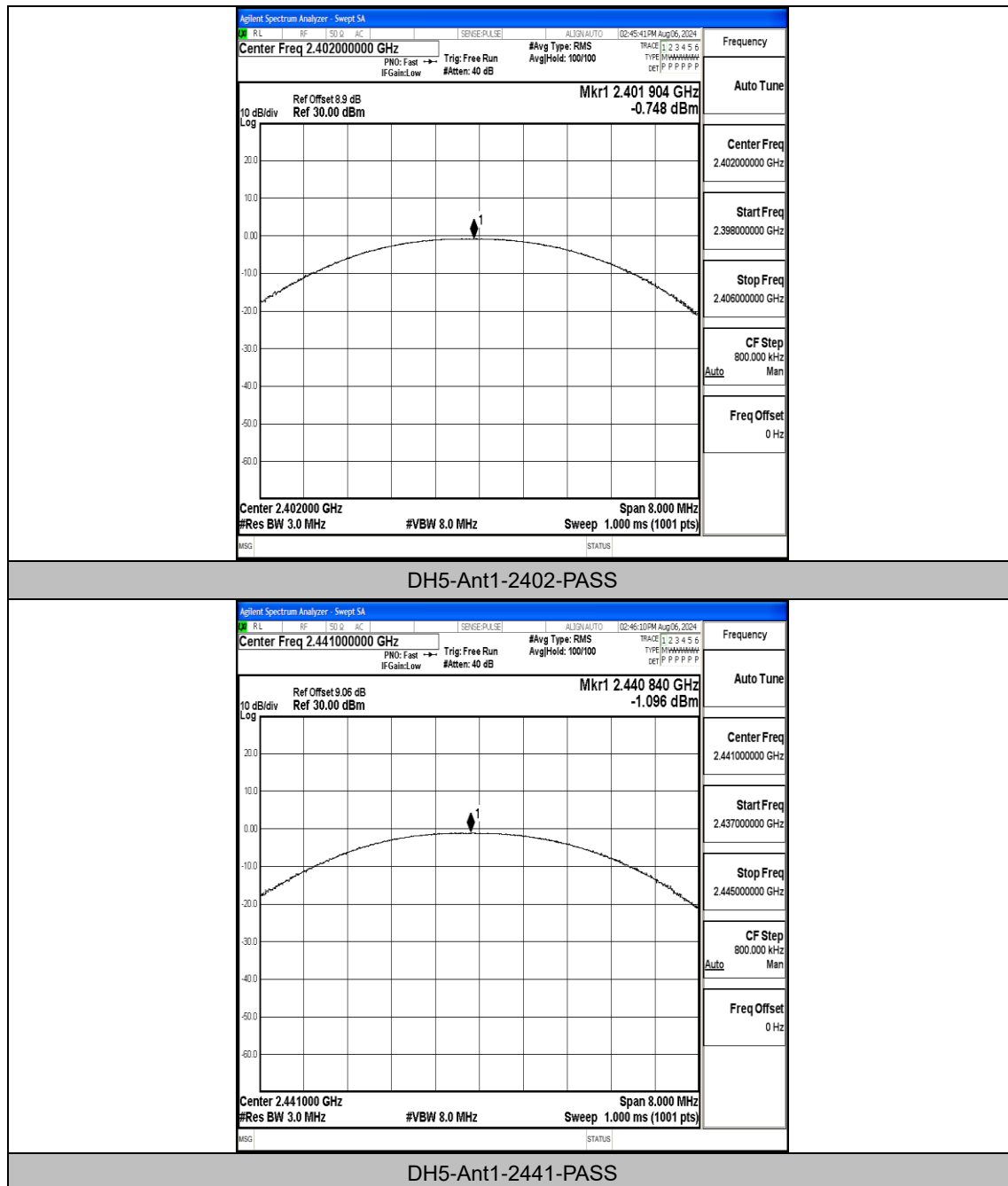


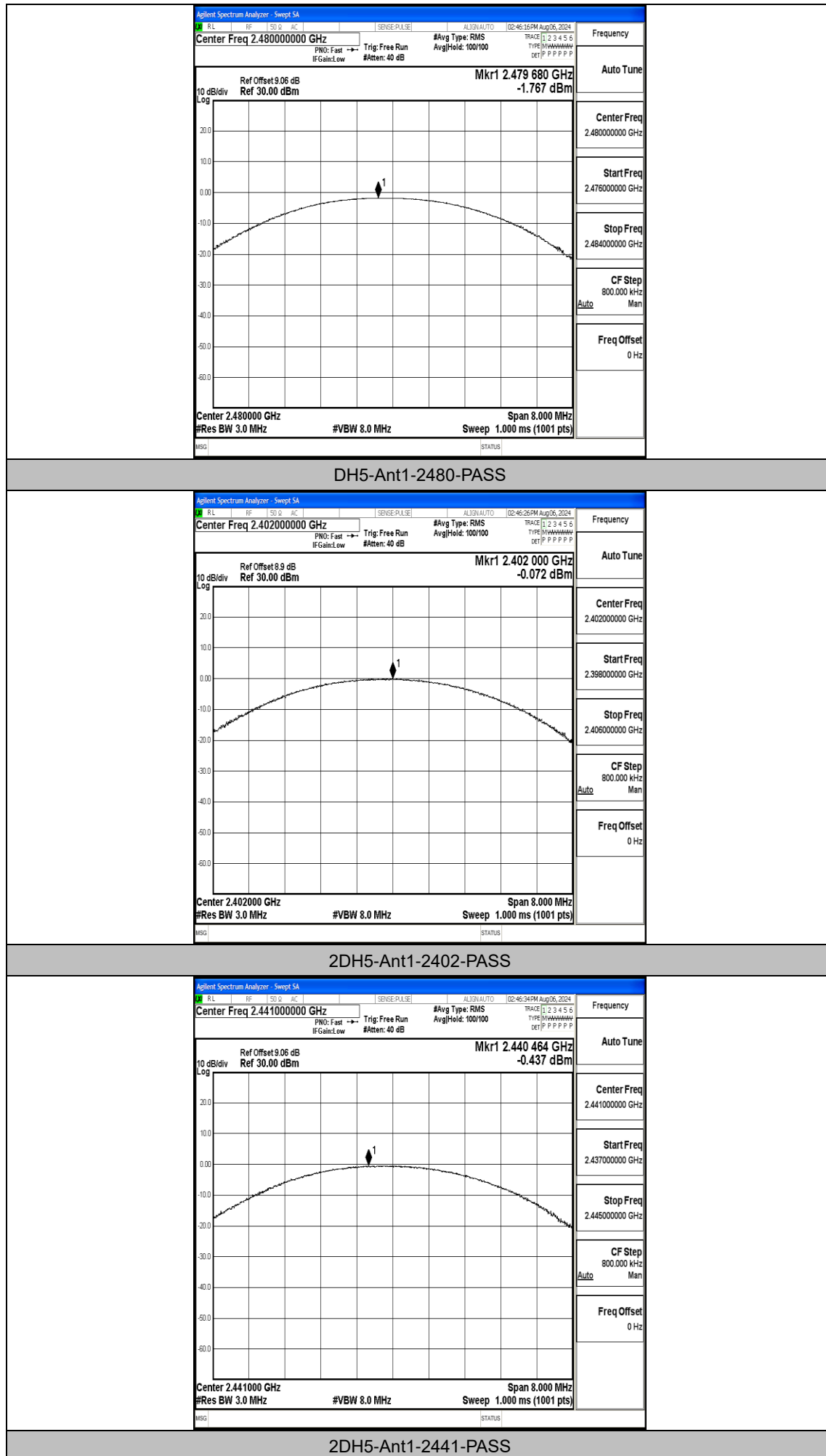
Appendix C: Maximum peak conducted output power

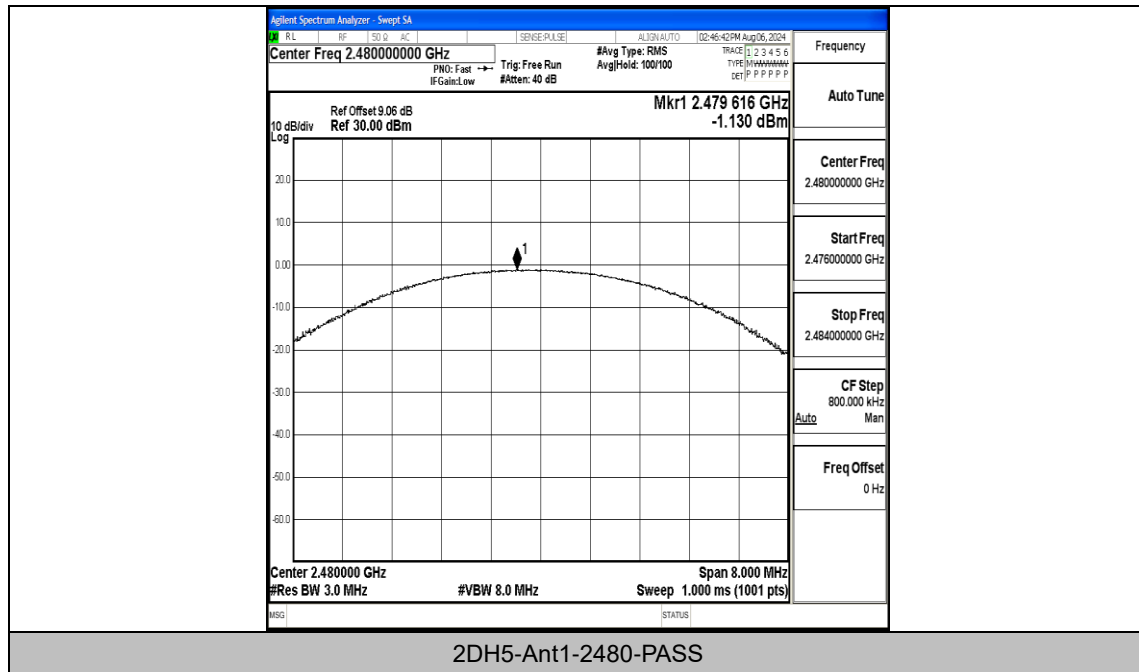
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.75	≤20.97	PASS
DH5	Ant1	2441	-1.10	≤20.97	PASS
DH5	Ant1	2480	-1.77	≤20.97	PASS
2DH5	Ant1	2402	-0.07	≤20.97	PASS
2DH5	Ant1	2441	-0.44	≤20.97	PASS
2DH5	Ant1	2480	-1.13	≤20.97	PASS

Test Graphs





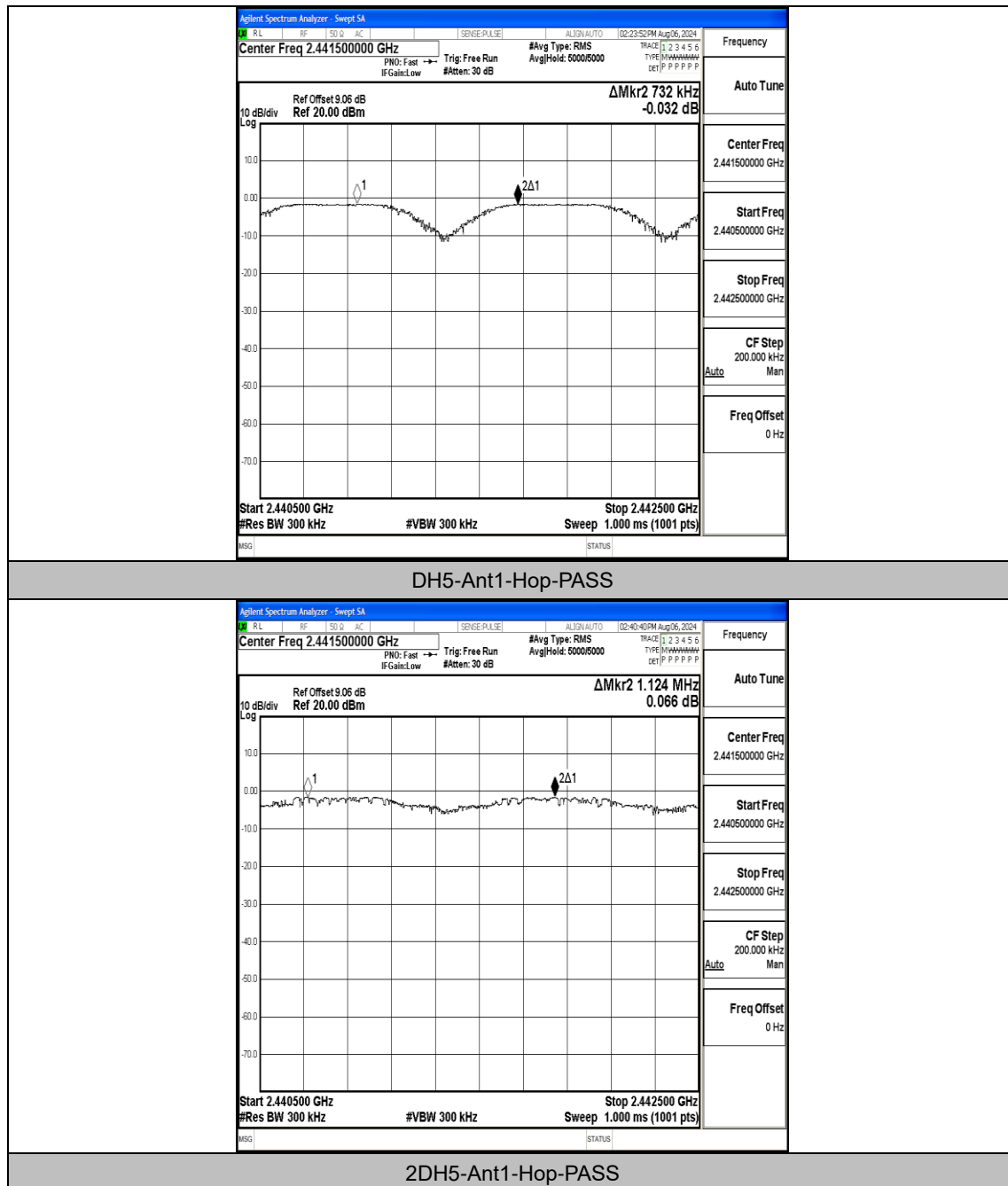


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.732	≥ 0.696	PASS
2DH5	Ant1	Hop	1.124	≥ 0.898	PASS

Test Graphs

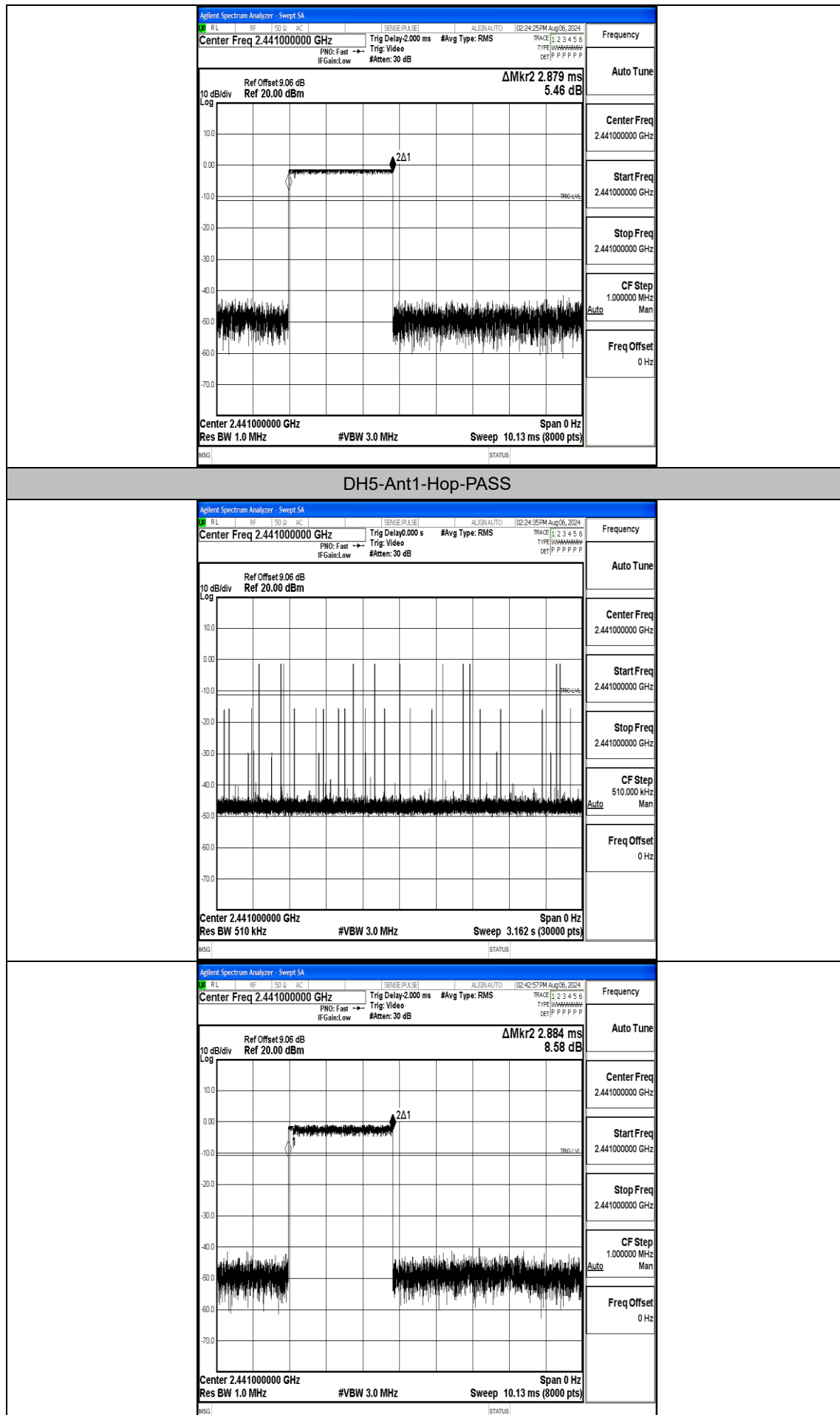


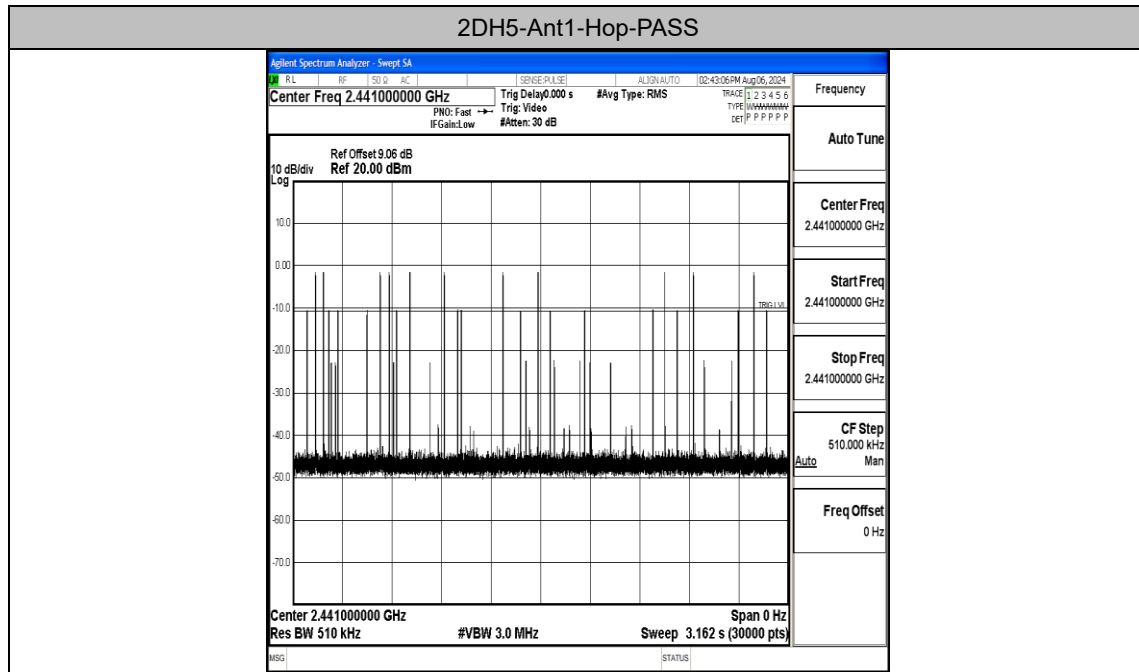
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.879	120	0.345	≤0.4	PASS
2DH5	Ant1	Hop	2.884	120	0.346	≤0.4	PASS

Test Graphs



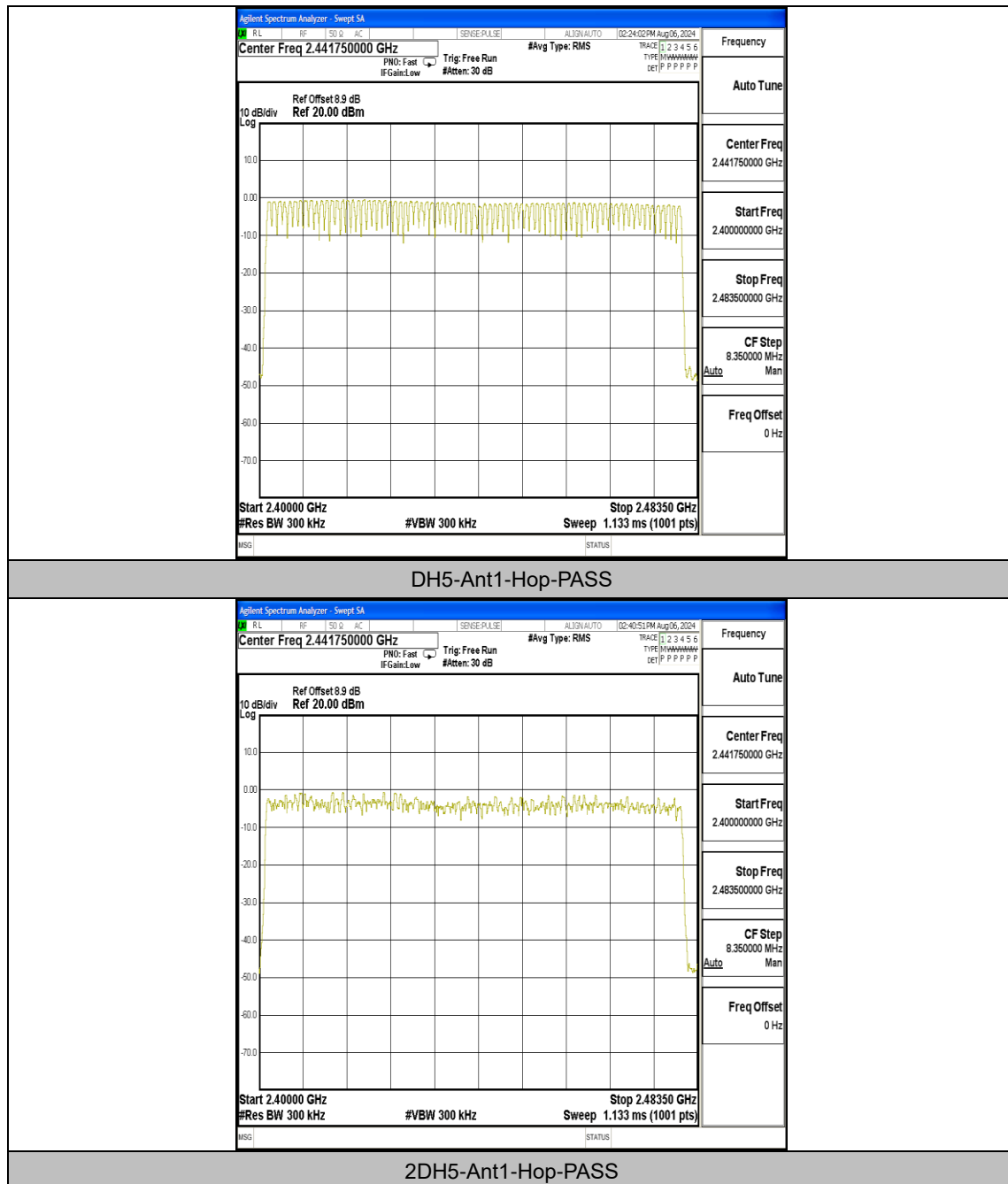


Appendix F: Number of hopping channels

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

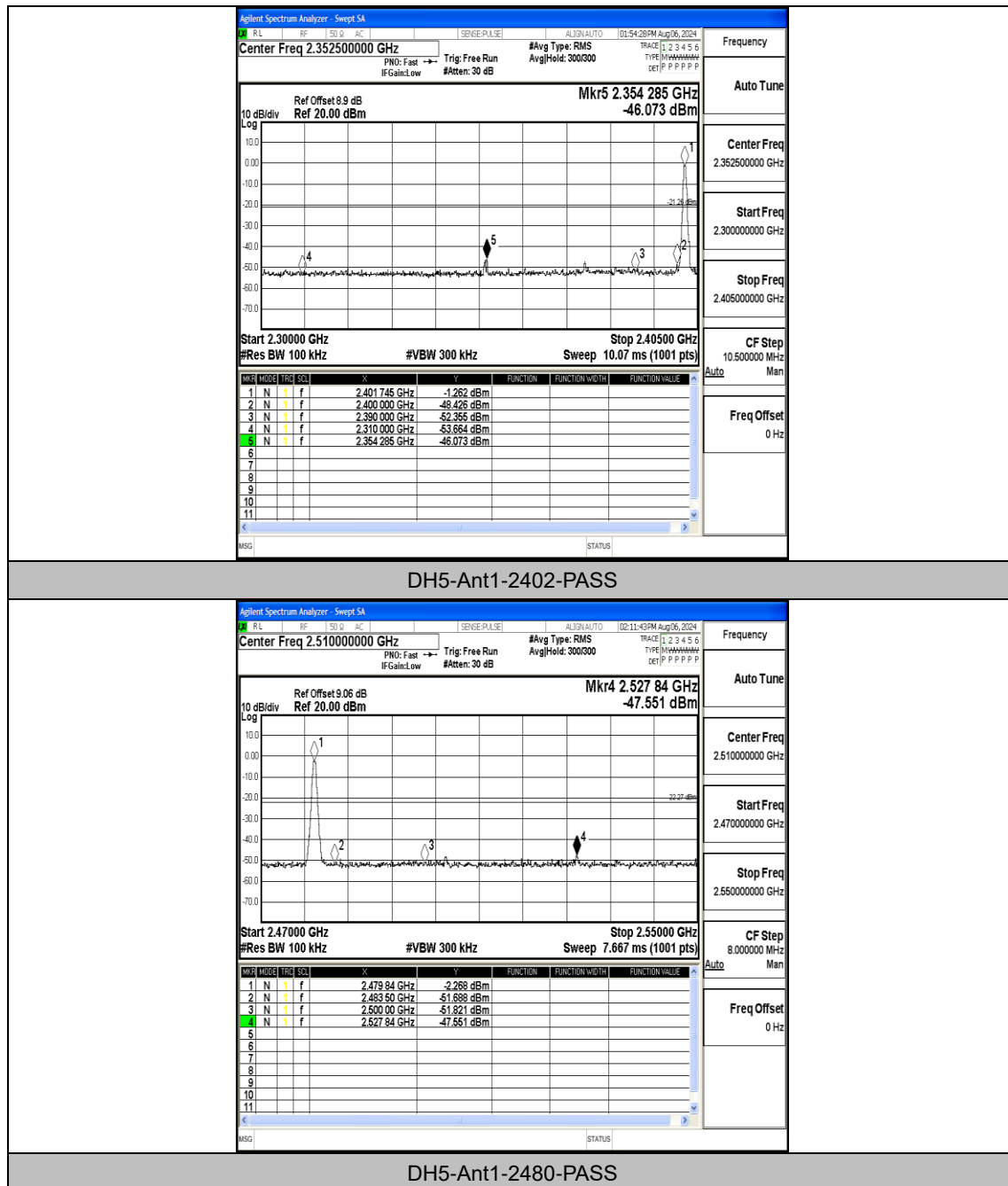


Appendix G: Band edge measurements

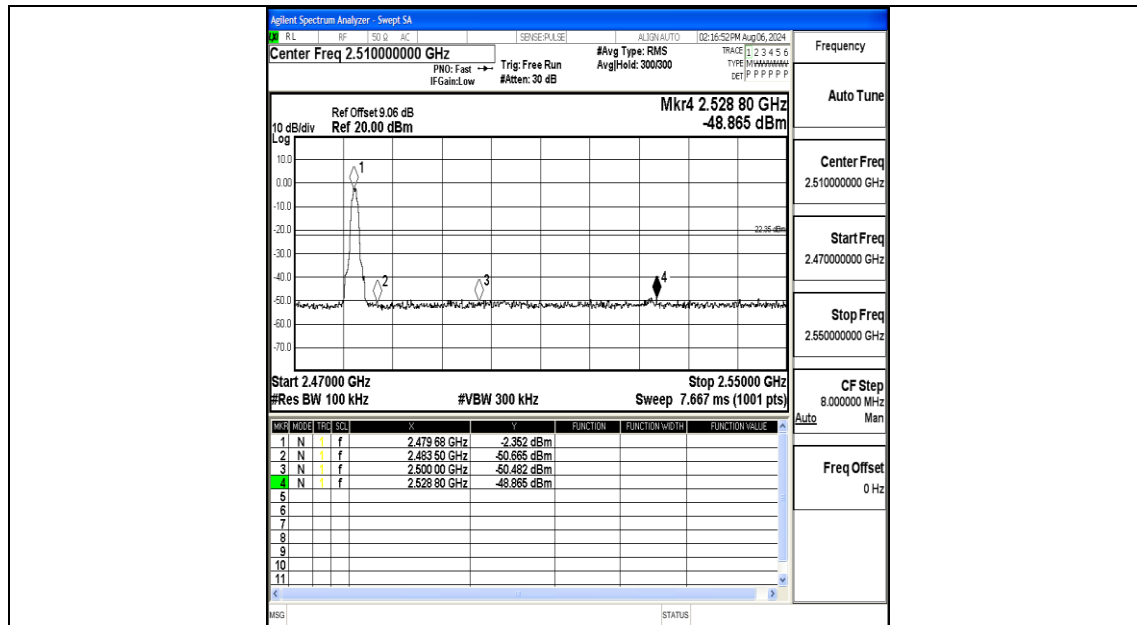
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.26	-46.07	≤ -21.26	PASS
DH5	Ant1	High	2480	-2.27	-47.55	≤ -22.27	PASS
DH5	Ant1	Low	Hop_2402	-1.71	-47.38	≤ -21.71	PASS
DH5	Ant1	High	Hop_2480	-2.42	-46.9	≤ -22.42	PASS
2DH5	Ant1	Low	2402	-1.29	-47.92	≤ -21.29	PASS
2DH5	Ant1	High	2480	-2.35	-48.87	≤ -22.35	PASS
2DH5	Ant1	Low	Hop_2402	-5.40	-48.38	≤ -25.4	PASS
2DH5	Ant1	High	Hop_2480	-5.64	-48.52	≤ -25.64	PASS

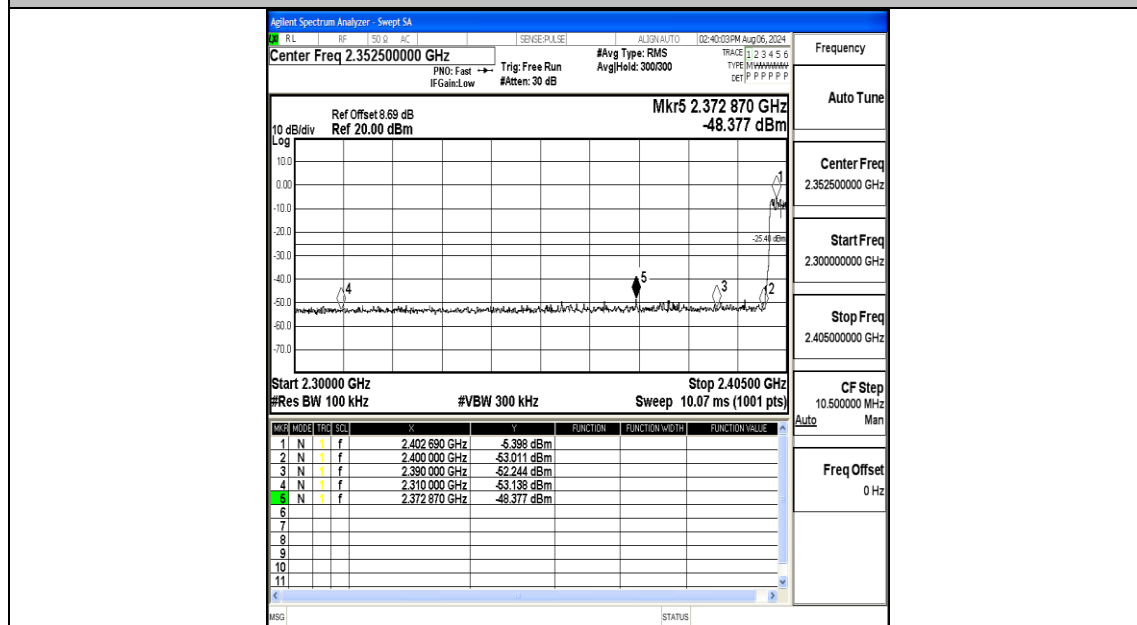
Test Graphs



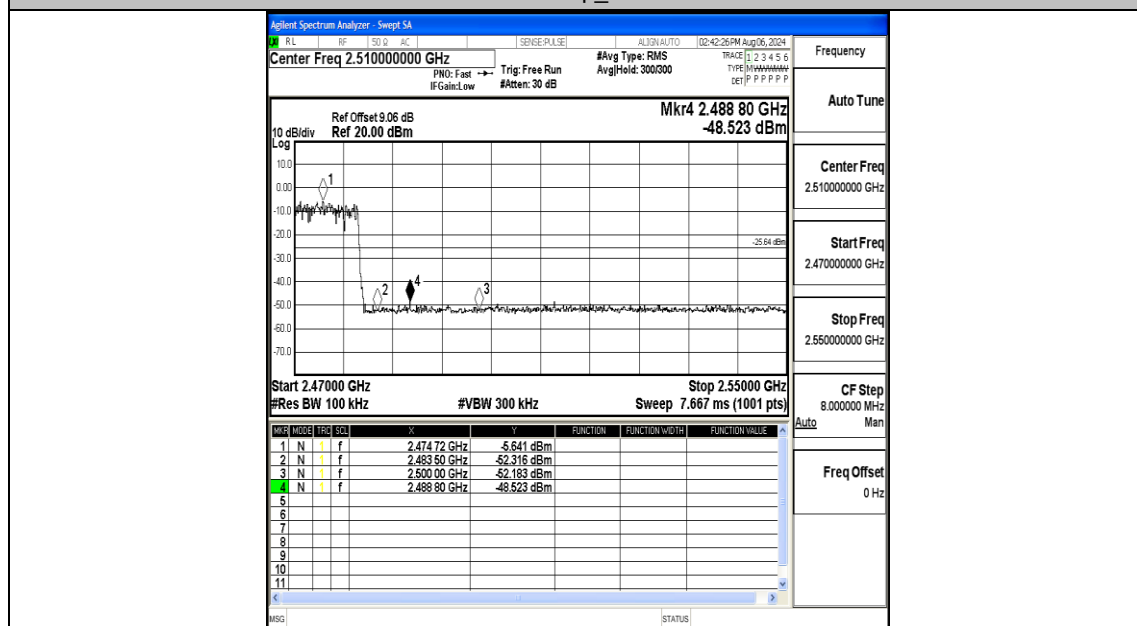




2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



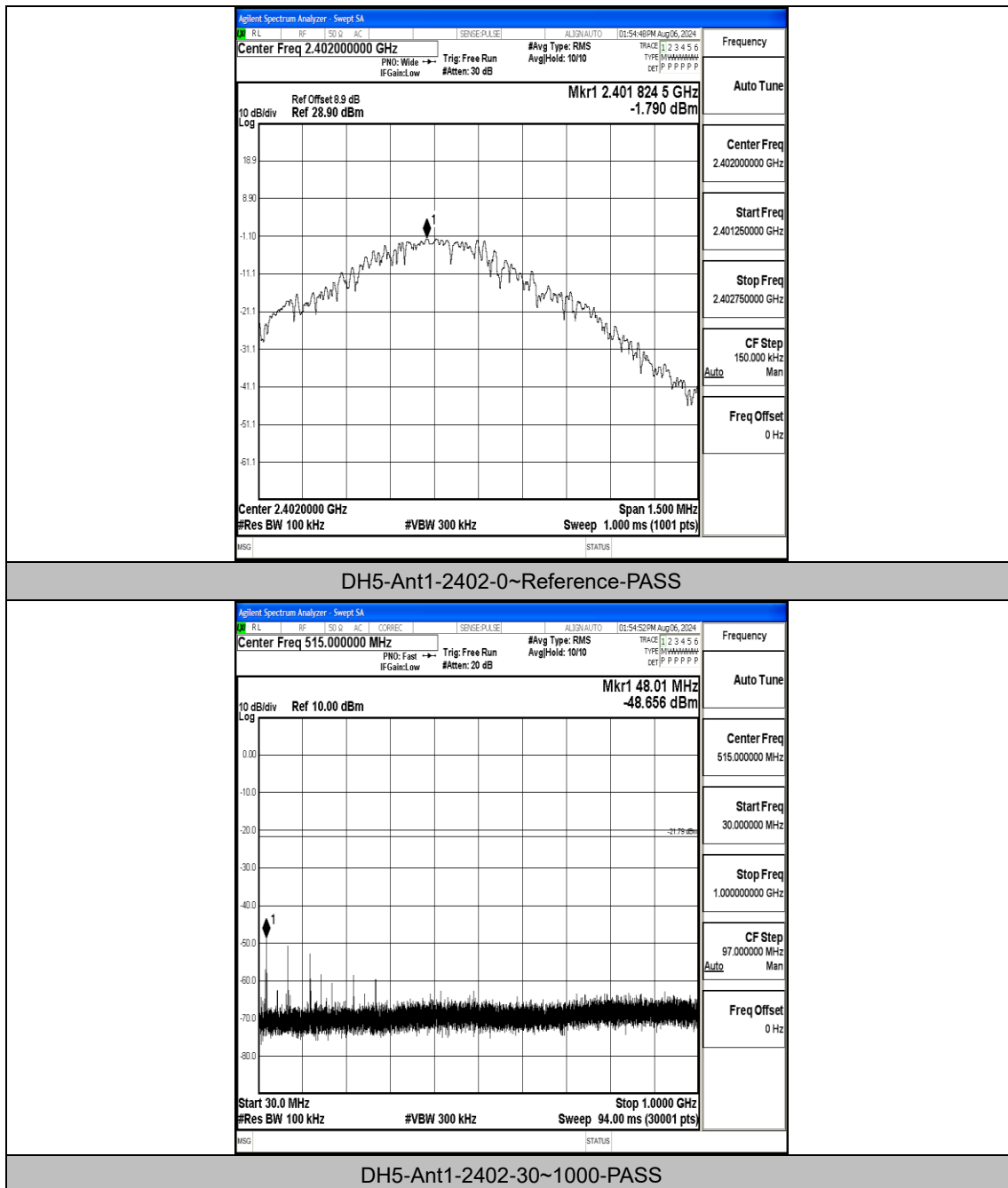
2DH5-Ant1-Hop_2480-PASS

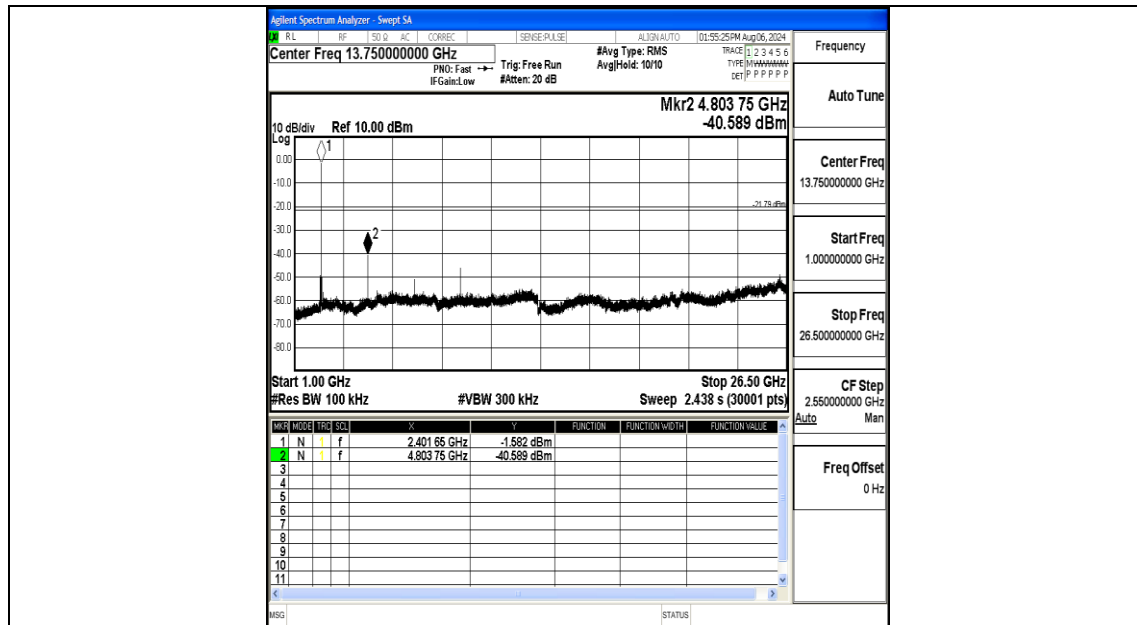
Appendix H: Conducted Spurious Emission

Test Result

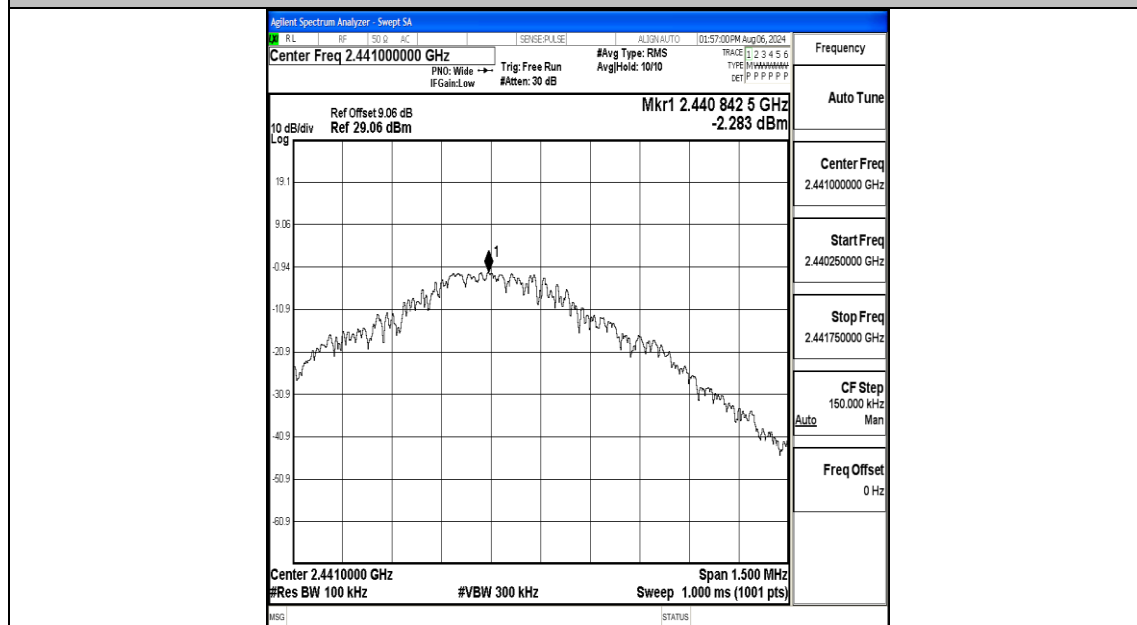
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.79	-1.79	---	PASS
DH5	Ant1	2402	30~1000	-1.79	-48.66	≤-21.79	PASS
DH5	Ant1	2402	1000~26500	-1.79	-40.59	≤-21.79	PASS
DH5	Ant1	2441	0~Reference	-2.28	-2.28	---	PASS
DH5	Ant1	2441	30~1000	-2.28	-47.11	≤-22.28	PASS
DH5	Ant1	2441	1000~26500	-2.28	-37.9	≤-22.28	PASS
DH5	Ant1	2480	0~Reference	-2.68	-2.68	---	PASS
DH5	Ant1	2480	30~1000	-2.68	-48.63	≤-22.68	PASS
DH5	Ant1	2480	1000~26500	-2.68	-36.93	≤-22.68	PASS
2DH5	Ant1	2402	0~Reference	-4.02	-4.02	---	PASS
2DH5	Ant1	2402	30~1000	-4.02	-47.47	≤-24.02	PASS
2DH5	Ant1	2402	1000~26500	-4.02	-40.38	≤-24.02	PASS
2DH5	Ant1	2441	0~Reference	-3.22	-3.22	---	PASS
2DH5	Ant1	2441	30~1000	-3.22	-47.72	≤-23.22	PASS
2DH5	Ant1	2441	1000~26500	-3.22	-41.48	≤-23.22	PASS
2DH5	Ant1	2480	0~Reference	-5.84	-5.84	---	PASS
2DH5	Ant1	2480	30~1000	-5.84	-48.34	≤-25.84	PASS
2DH5	Ant1	2480	1000~26500	-5.84	-40.9	≤-25.84	PASS

Test Graphs

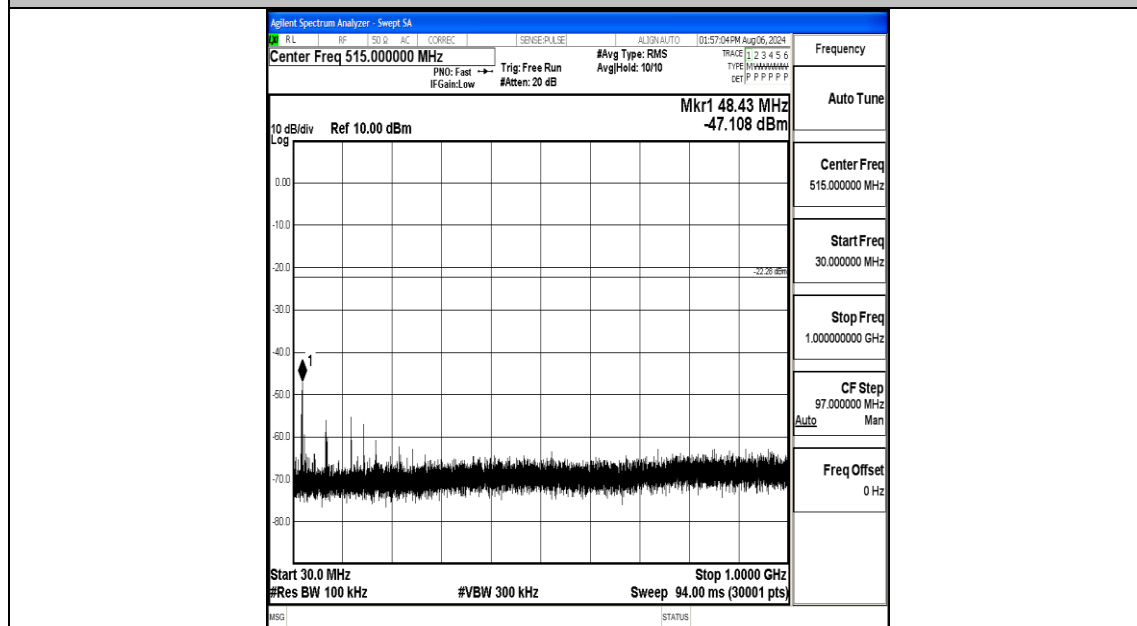




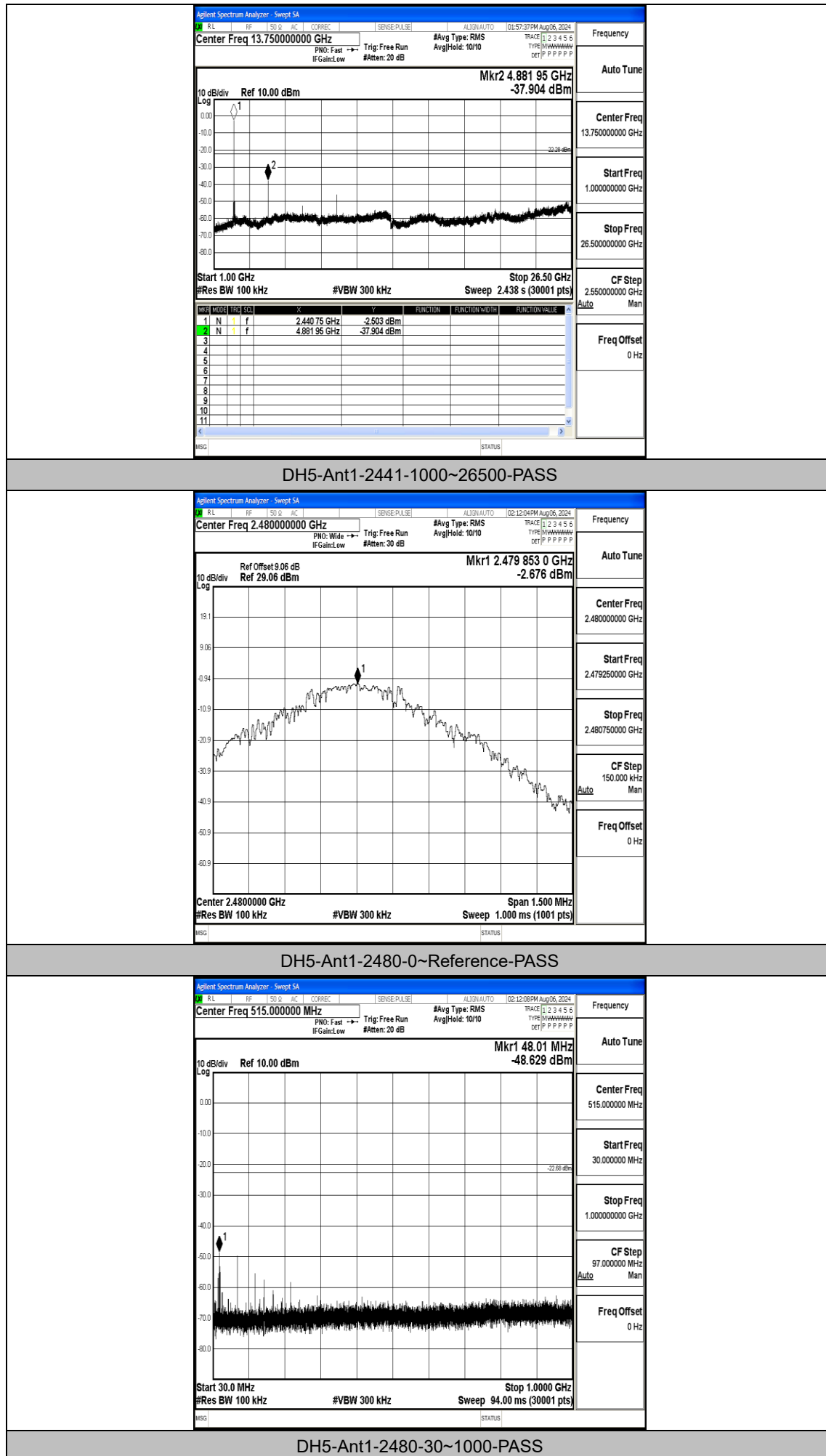
DH5-Ant1-2402-1000~26500-PASS

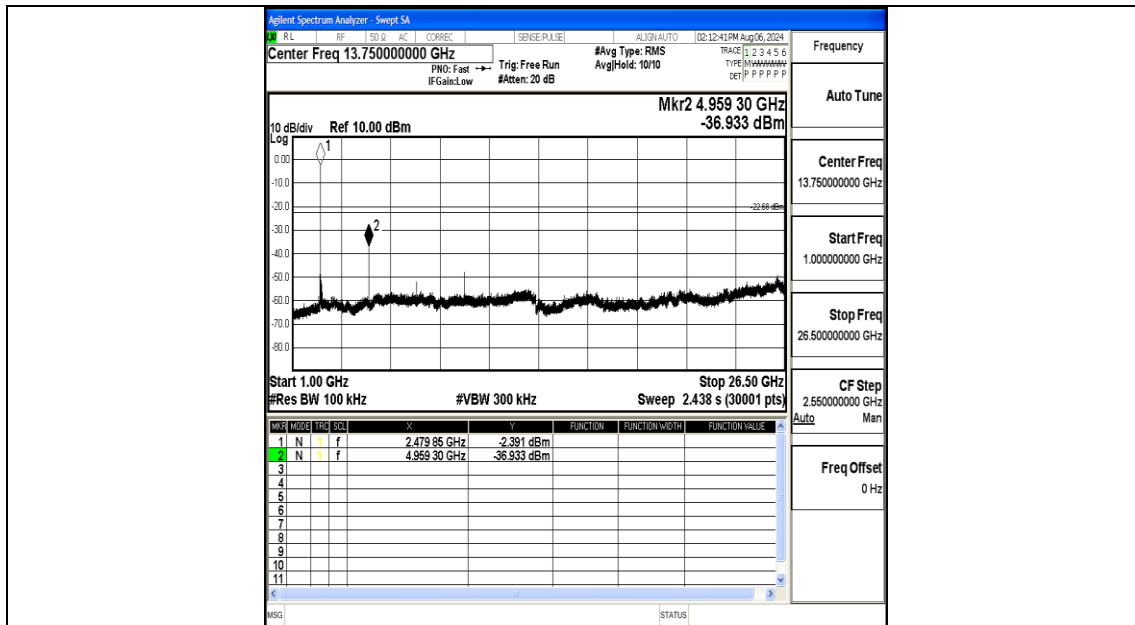


DH5-Ant1-2441-0~Reference-PASS

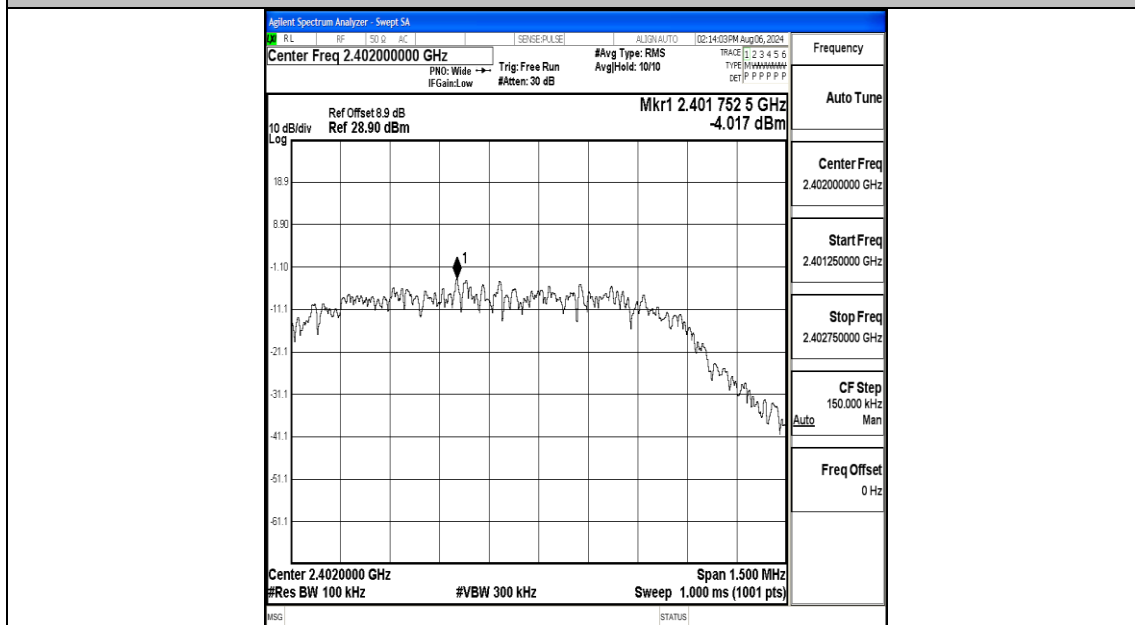


DH5-Ant1-2441-30~1000-PASS

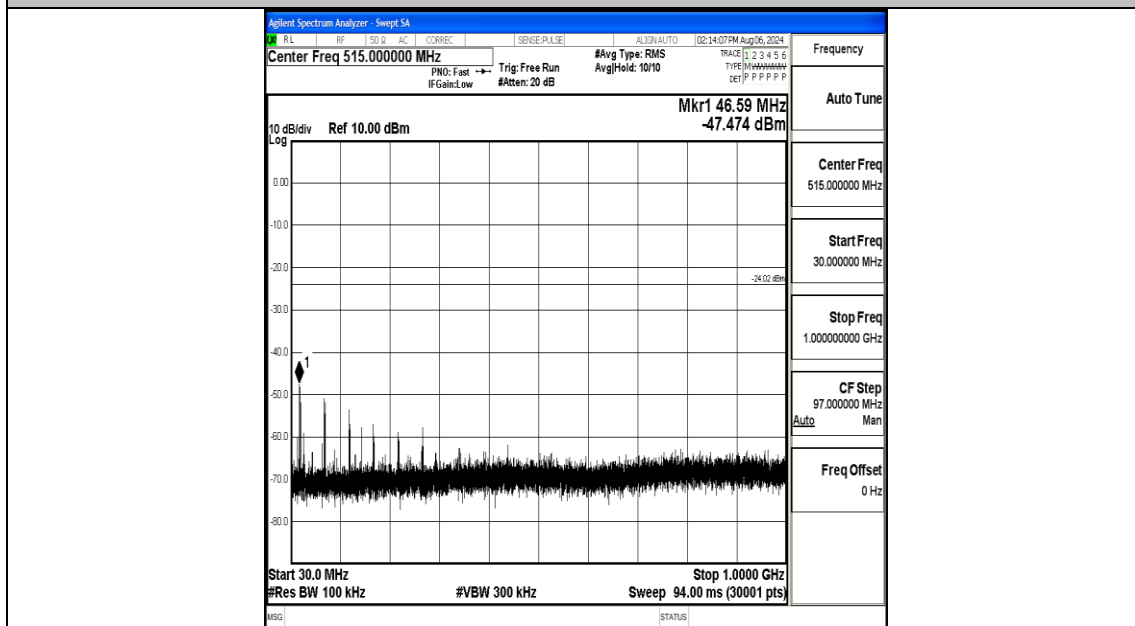




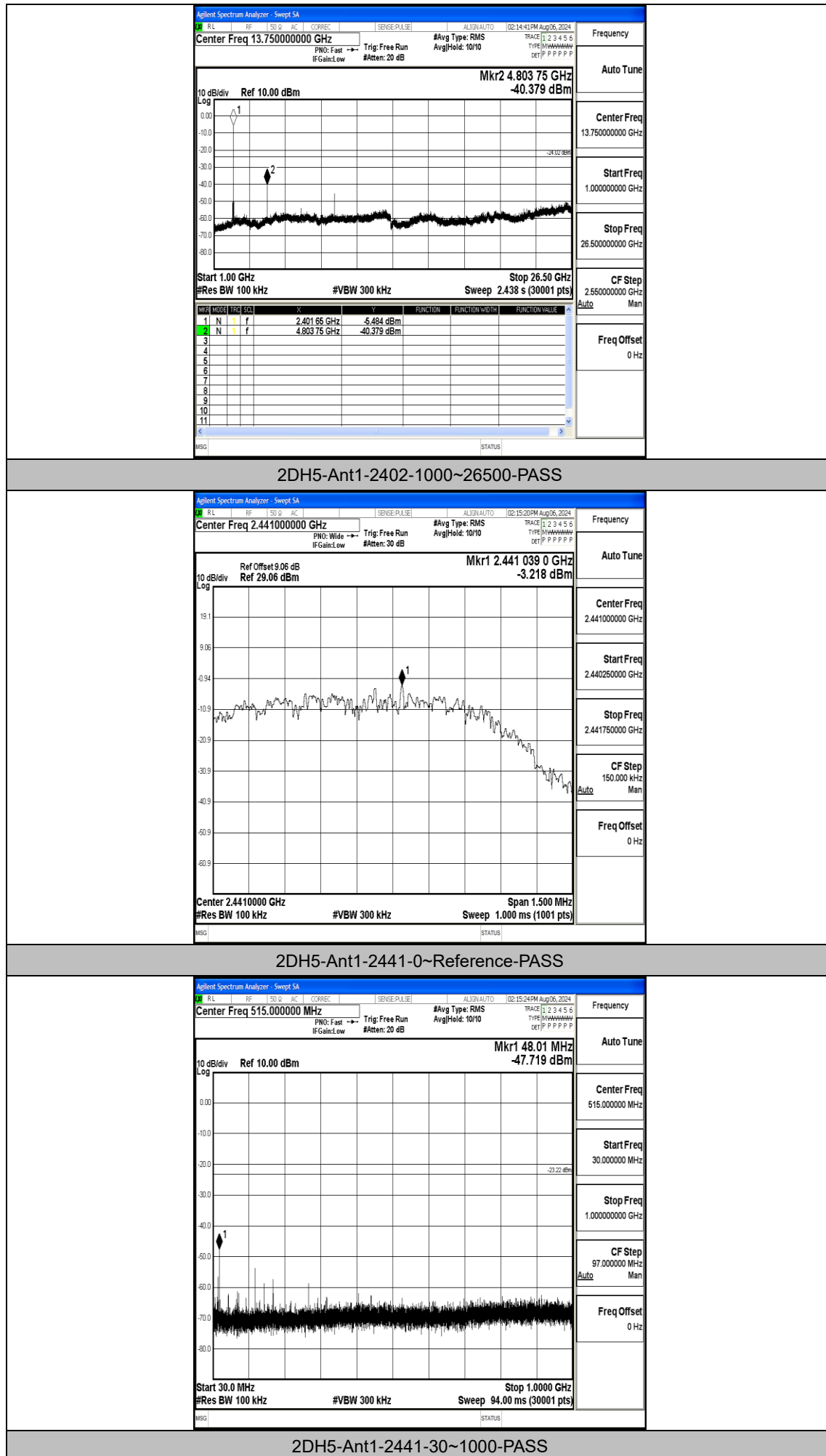
DH5-Ant1-2480-1000~26500-PASS

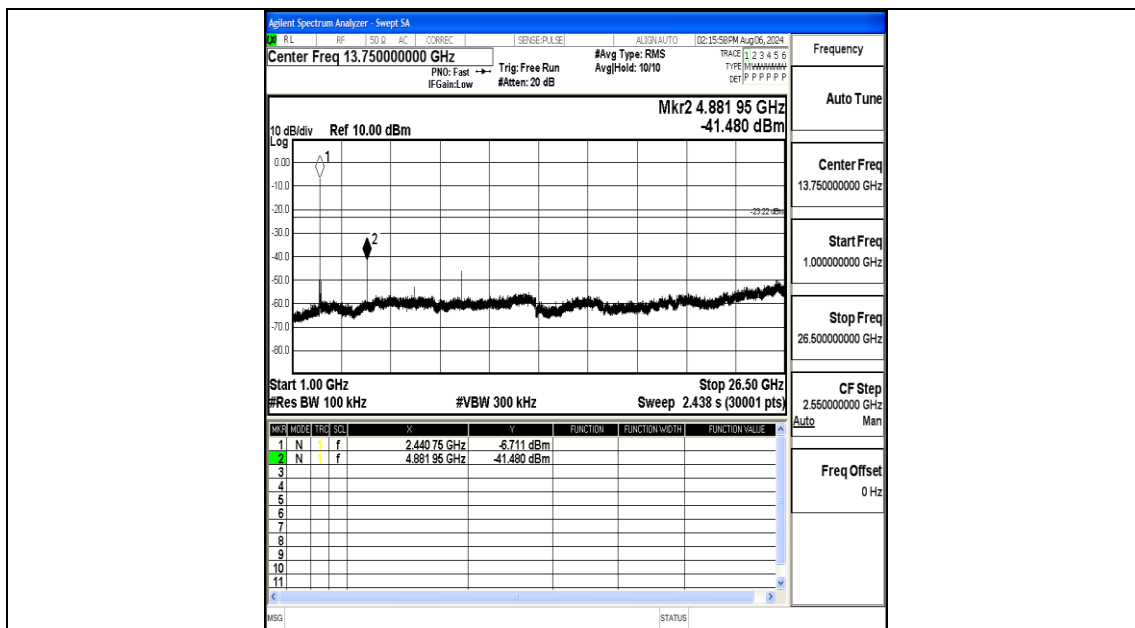


2DH5-Ant1-2402-0~Reference-PASS

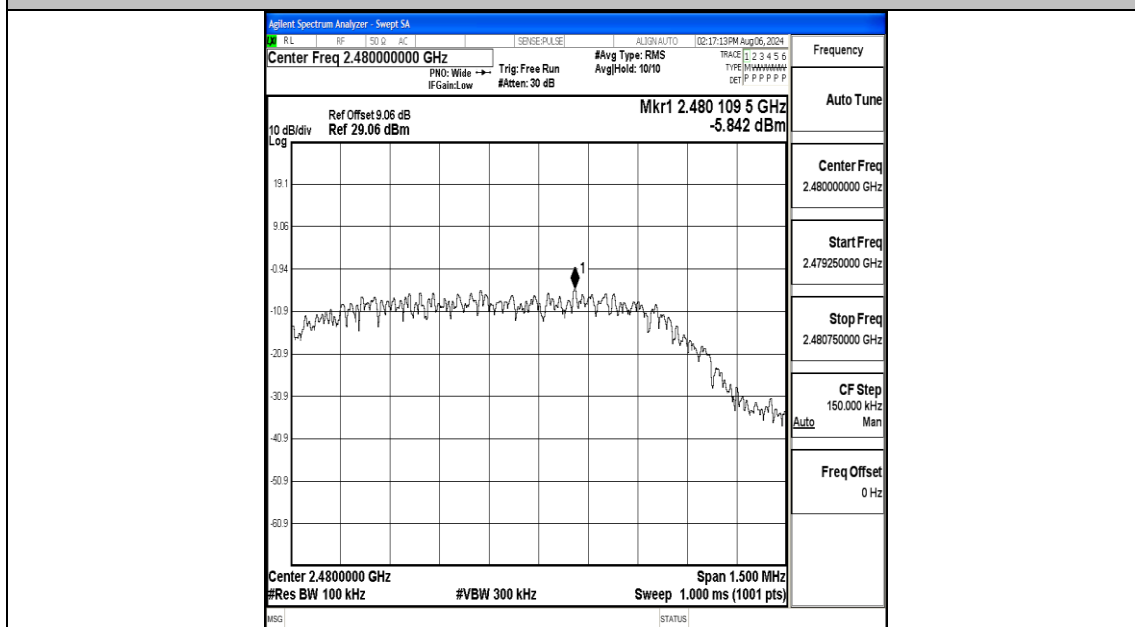


2DH5-Ant1-2402-30~1000-PASS

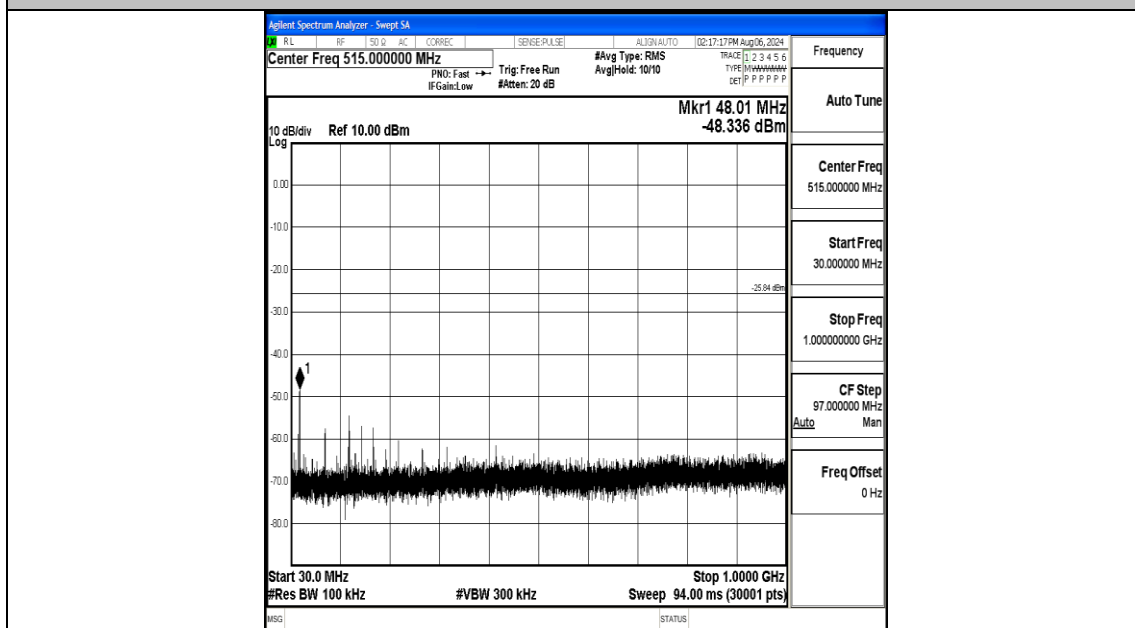




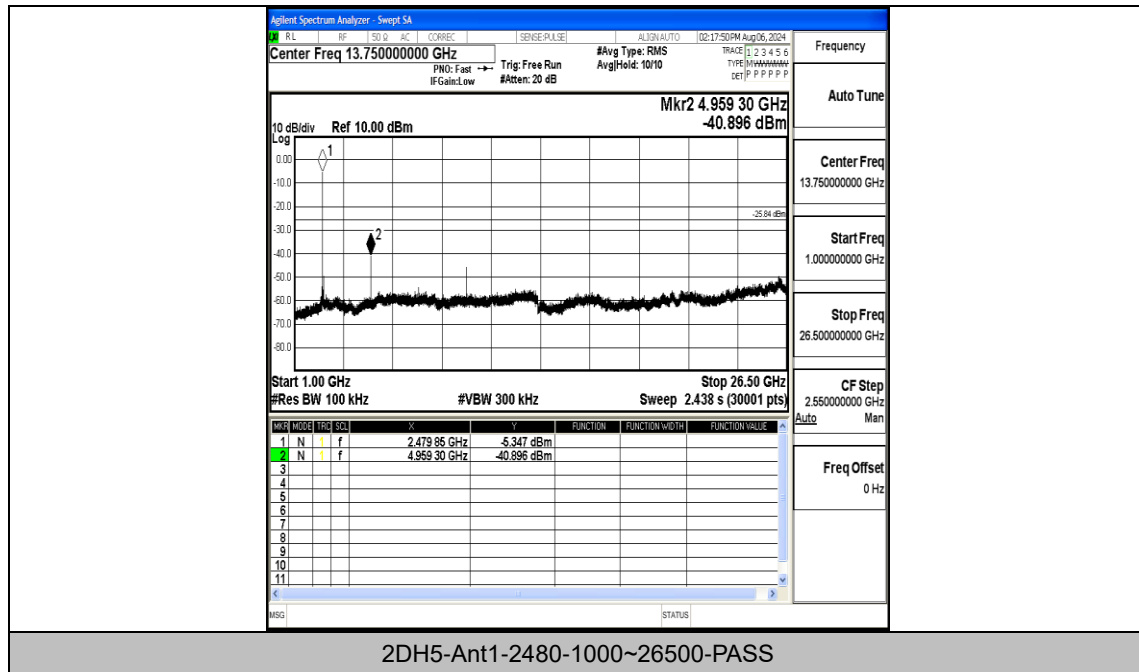
2DH5-Ant1-2441-1000~26500-PASS



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



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

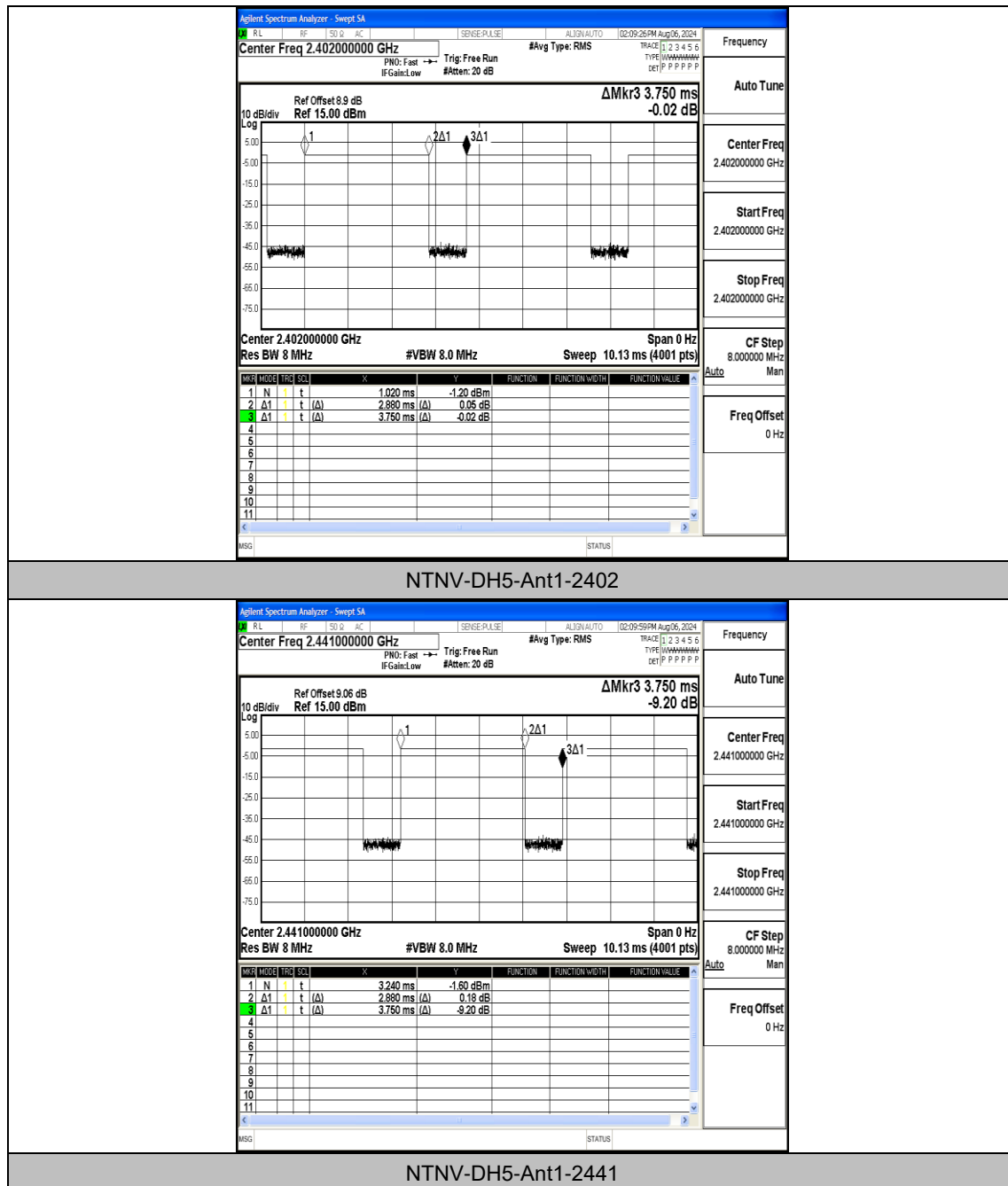


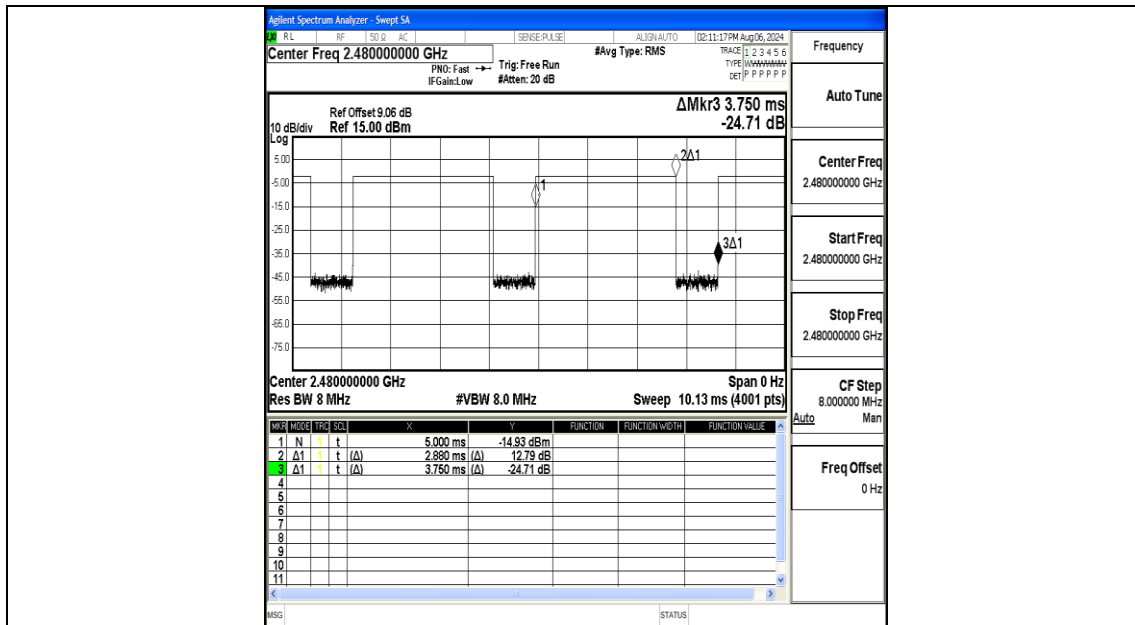
Appendix I: Duty Cycle

Test Result

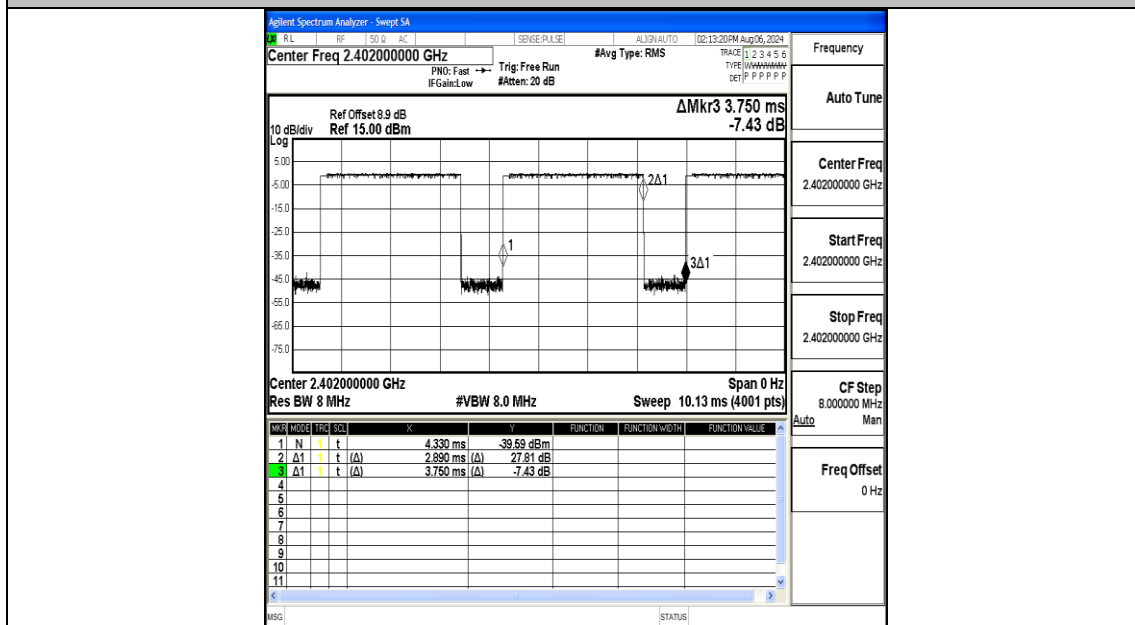
TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.76	76.86	1.14
2DH5	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs

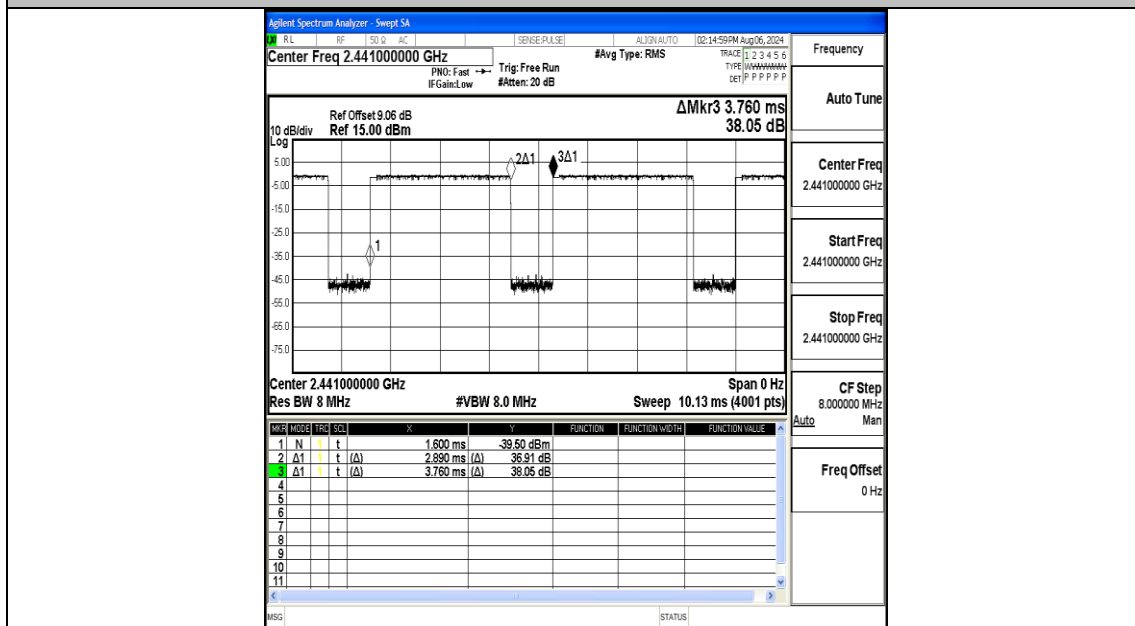




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

