

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

Product Name: Bluetooth headset

Trade Mark: ART+SOUND

Test Model: ASWH14BLG

FCC ID: 2BHI2-ASWH14BLG

Environmental Conditions

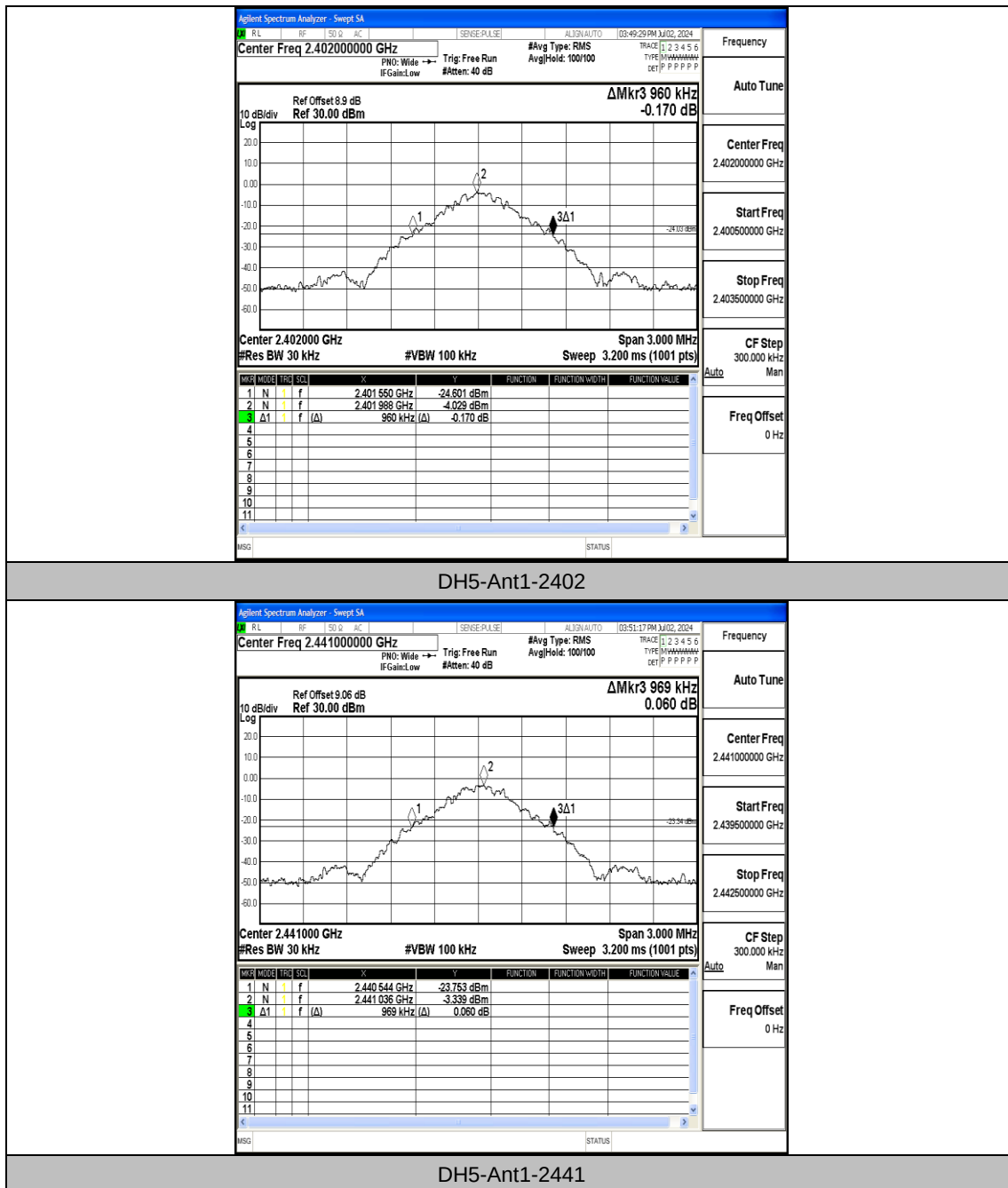
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

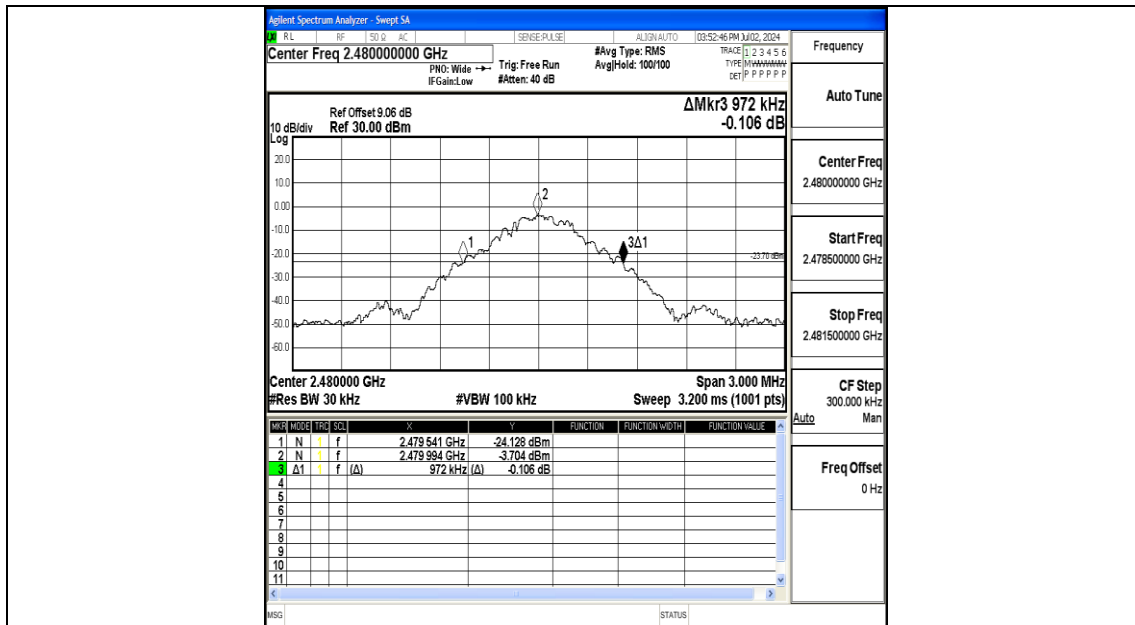
Appendix A: 20dB Emission Bandwidth

Test Result

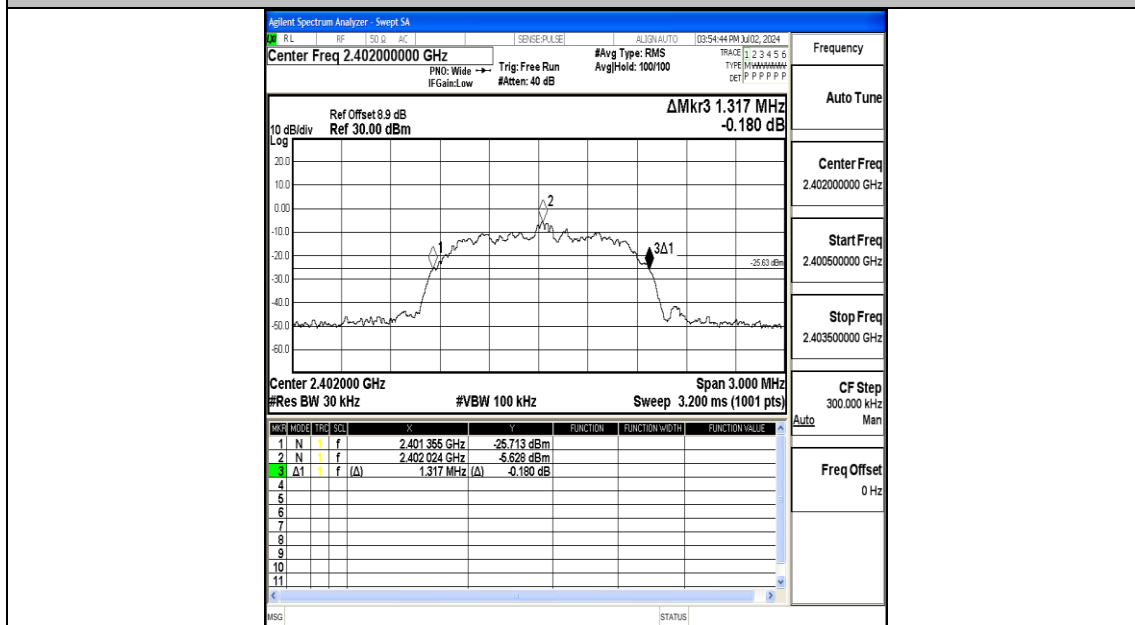
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.550	2402.510	---	---
DH5	Ant1	2441	0.969	2440.544	2441.513	---	---
DH5	Ant1	2480	0.972	2479.541	2480.513	---	---
2DH5	Ant1	2402	1.317	2401.355	2402.672	---	---
2DH5	Ant1	2441	1.314	2440.355	2441.669	---	---
2DH5	Ant1	2480	1.284	2479.382	2480.666	---	---

Test Graphs

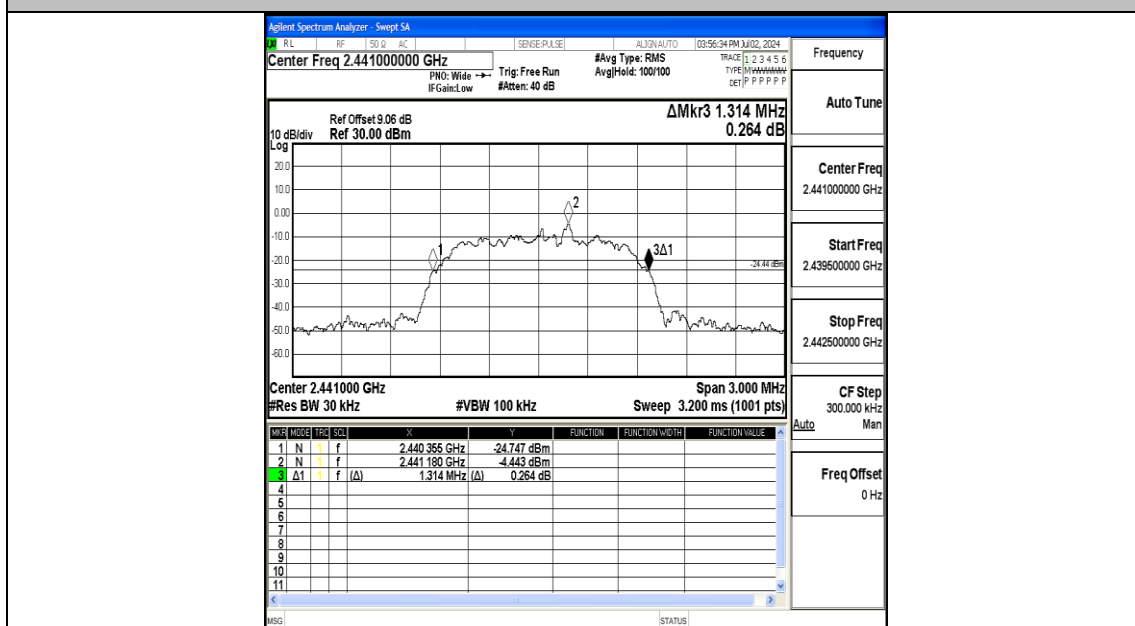




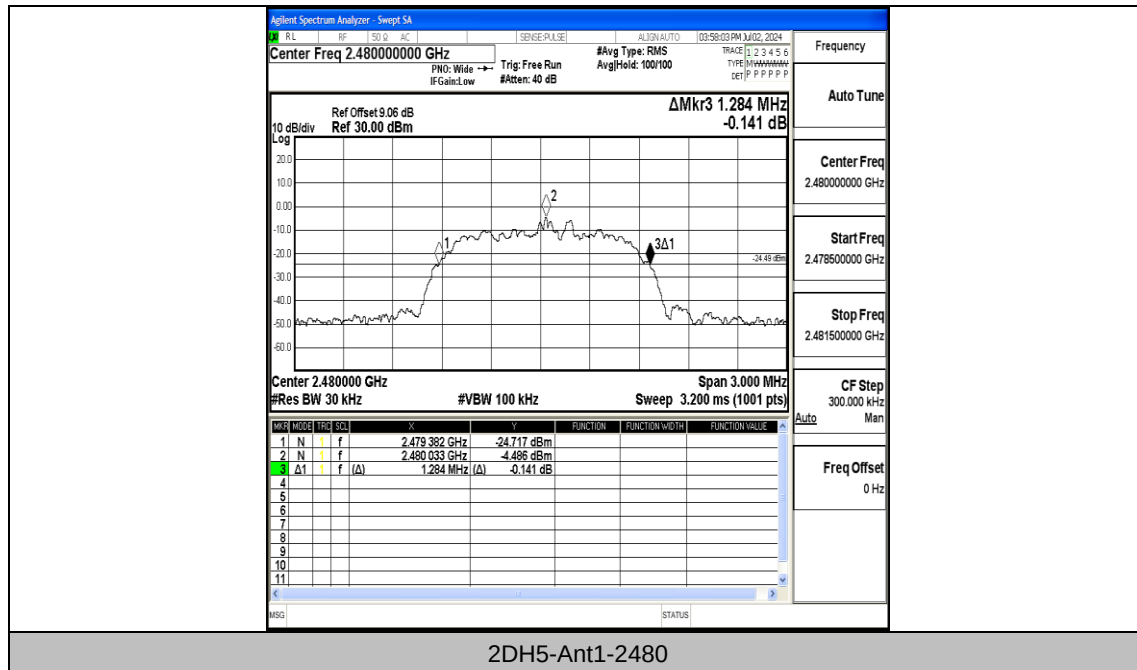
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

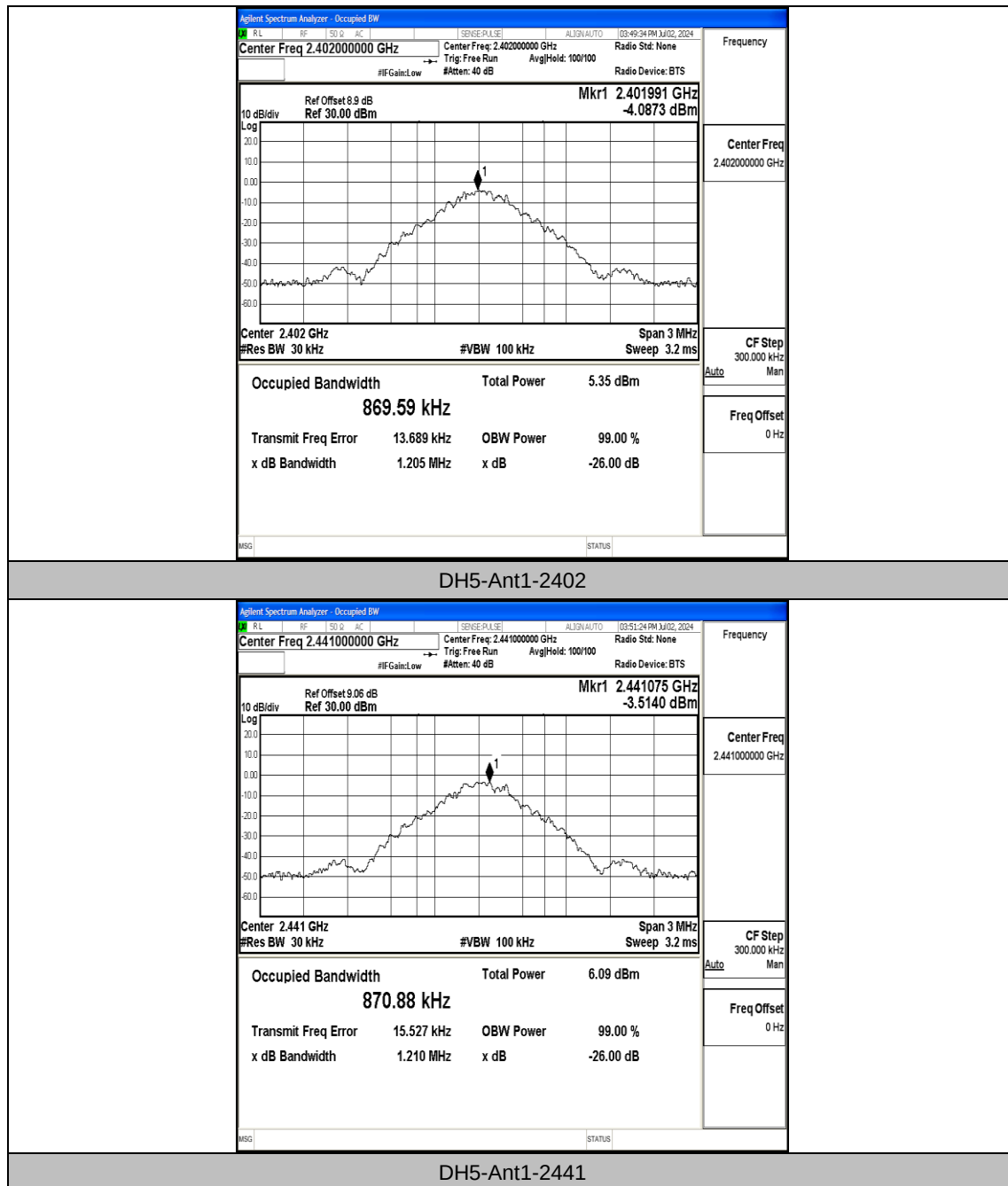


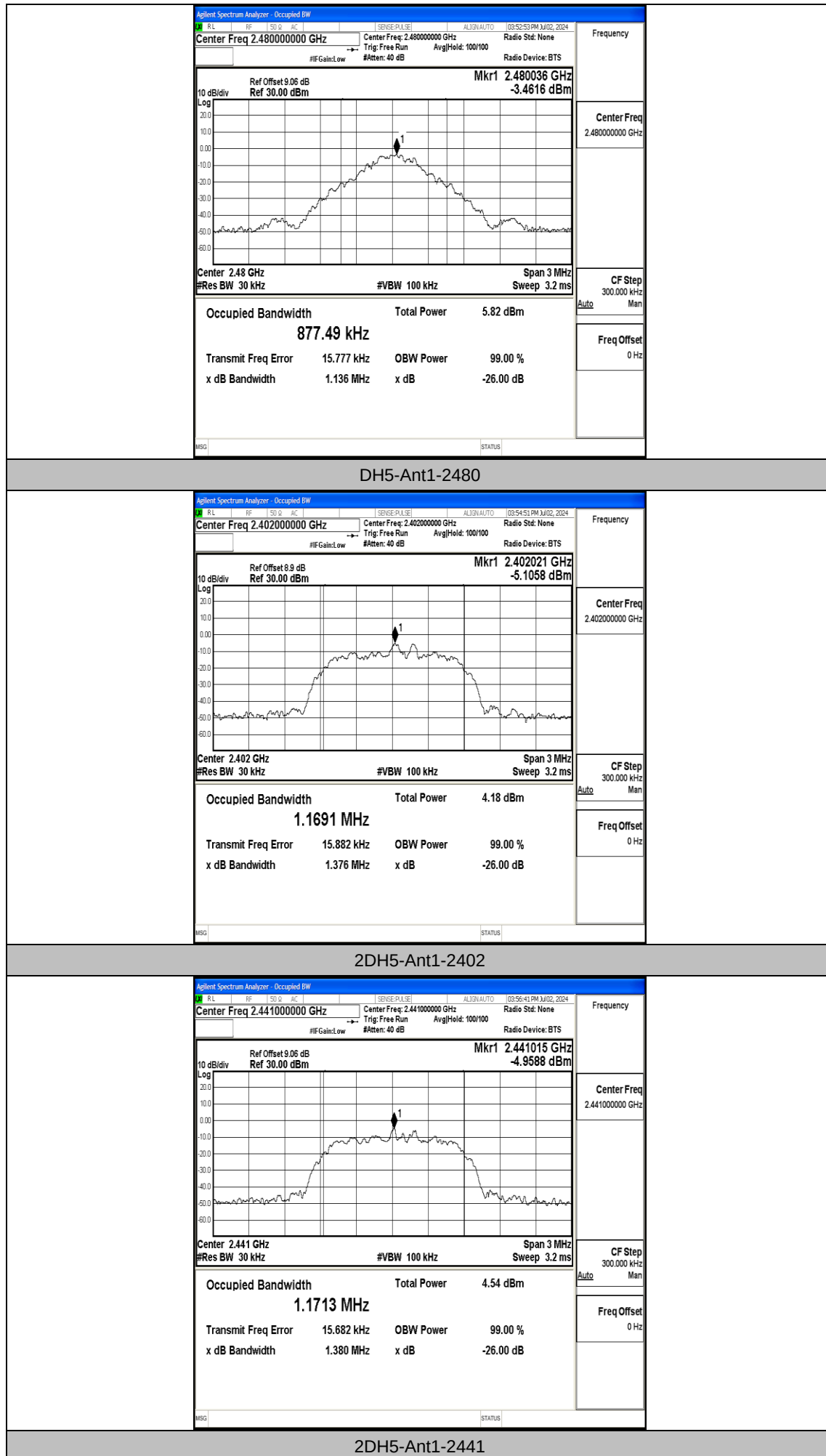
Appendix B: Occupied Channel Bandwidth

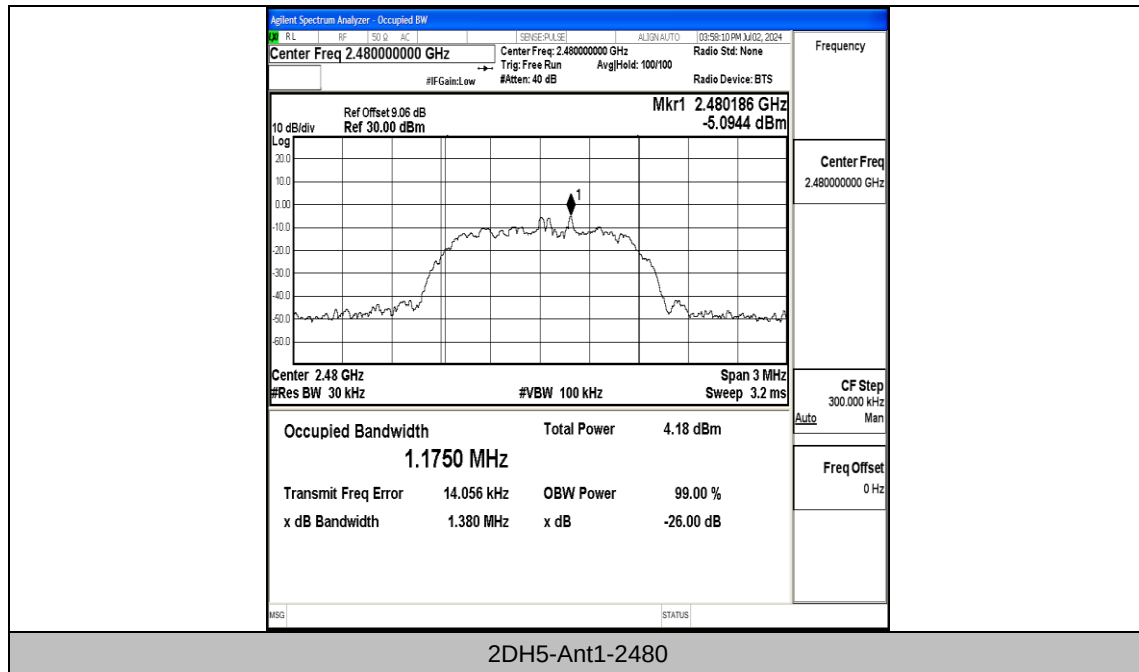
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.86959	2401.5789	2402.4485	---	---
DH5	Ant1	2441	0.87088	2440.5801	2441.4510	---	---
DH5	Ant1	2480	0.87749	2479.5770	2480.4545	---	---
2DH5	Ant1	2402	1.1691	2401.4313	2402.6004	---	---
2DH5	Ant1	2441	1.1713	2440.4300	2441.6013	---	---
2DH5	Ant1	2480	1.1750	2479.4266	2480.6016	---	---

Test Graphs





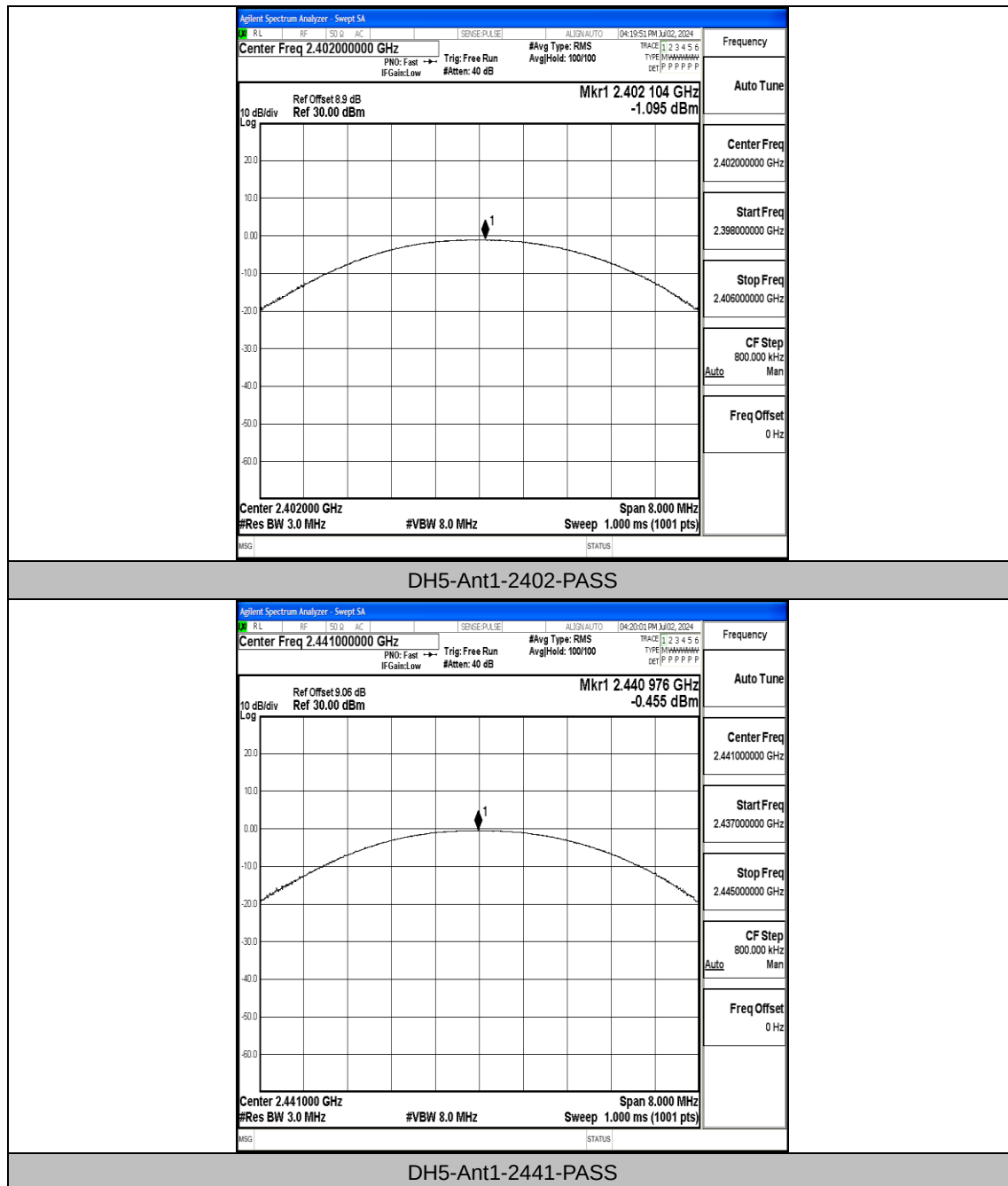


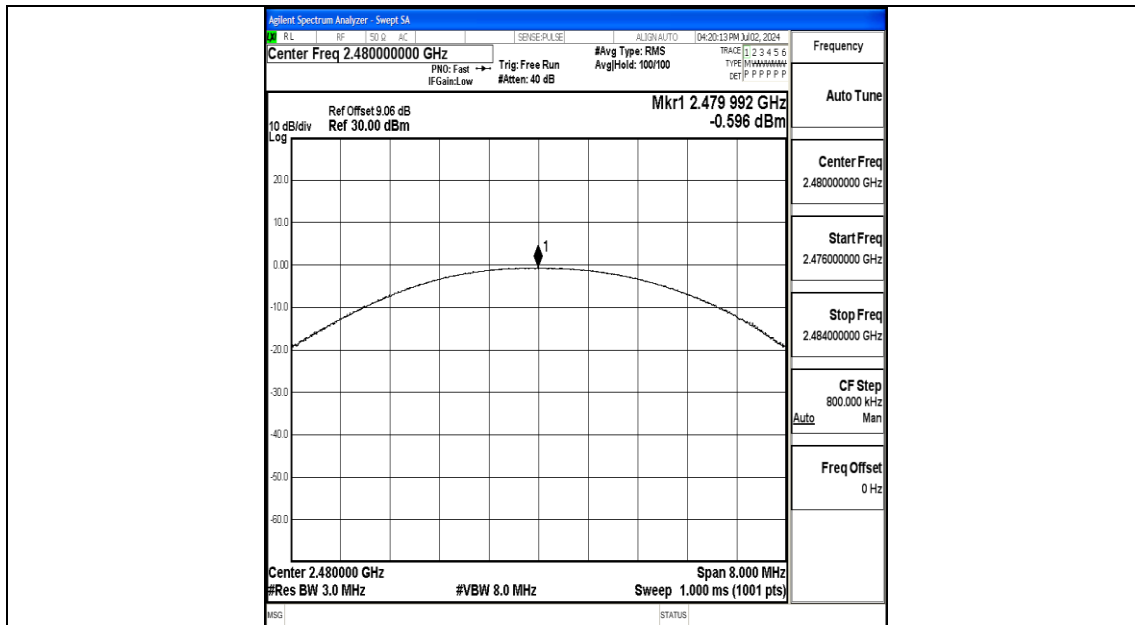
Appendix C: Maximum peak conducted output power

Test Result

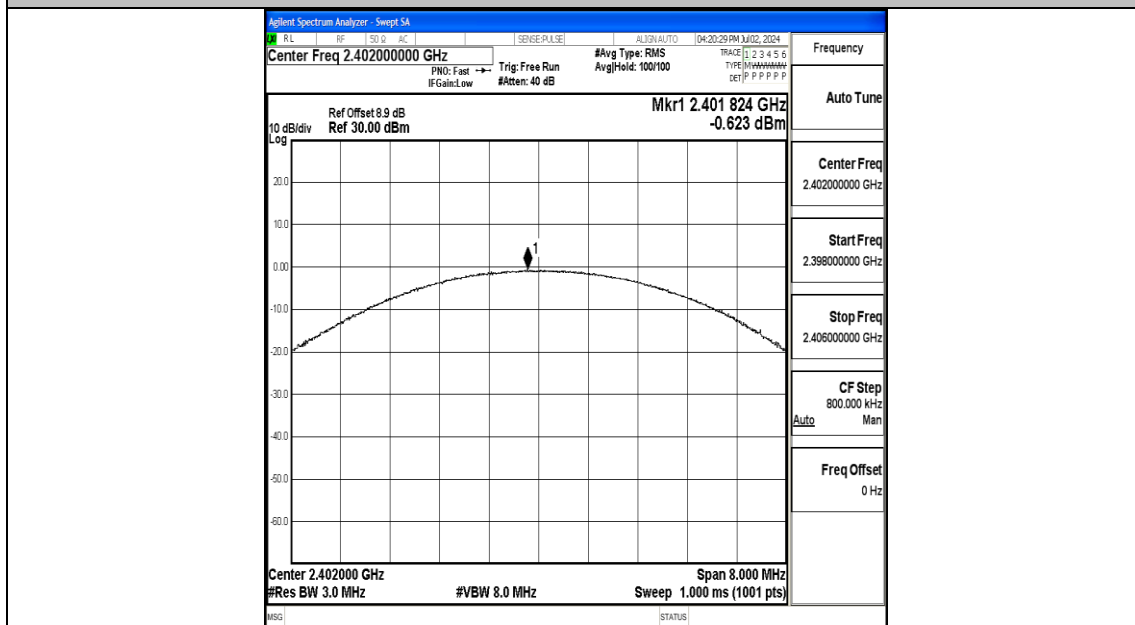
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.10	≤20.97	PASS
DH5	Ant1	2441	-0.46	≤20.97	PASS
DH5	Ant1	2480	-0.60	≤20.97	PASS
2DH5	Ant1	2402	-0.62	≤20.97	PASS
2DH5	Ant1	2441	-0.05	≤20.97	PASS
2DH5	Ant1	2480	-0.34	≤20.97	PASS

Test Graphs

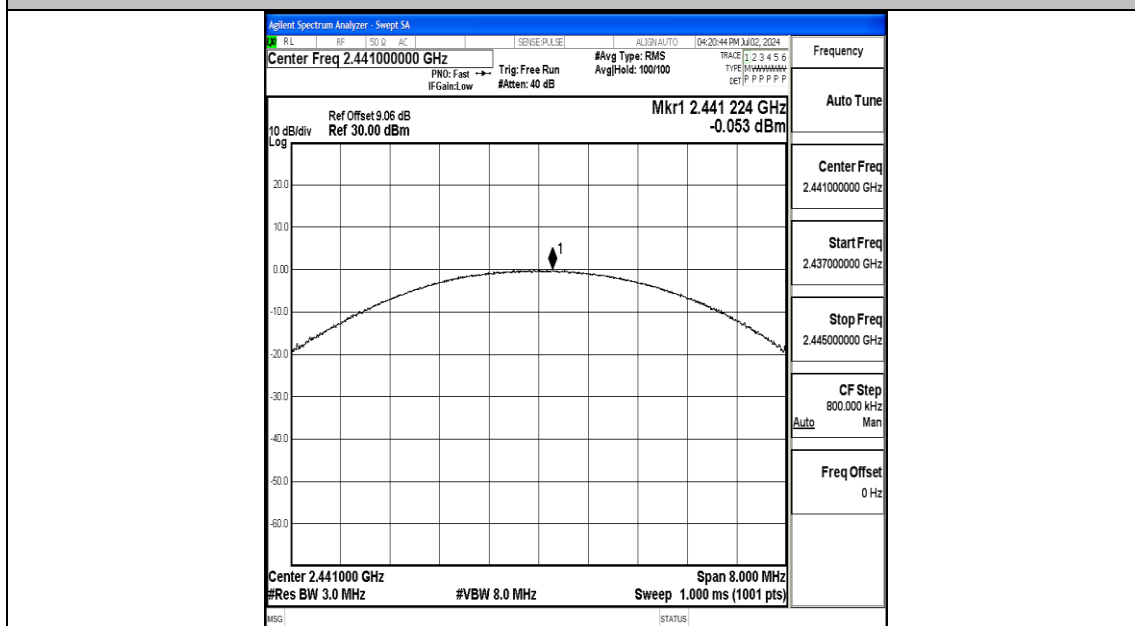




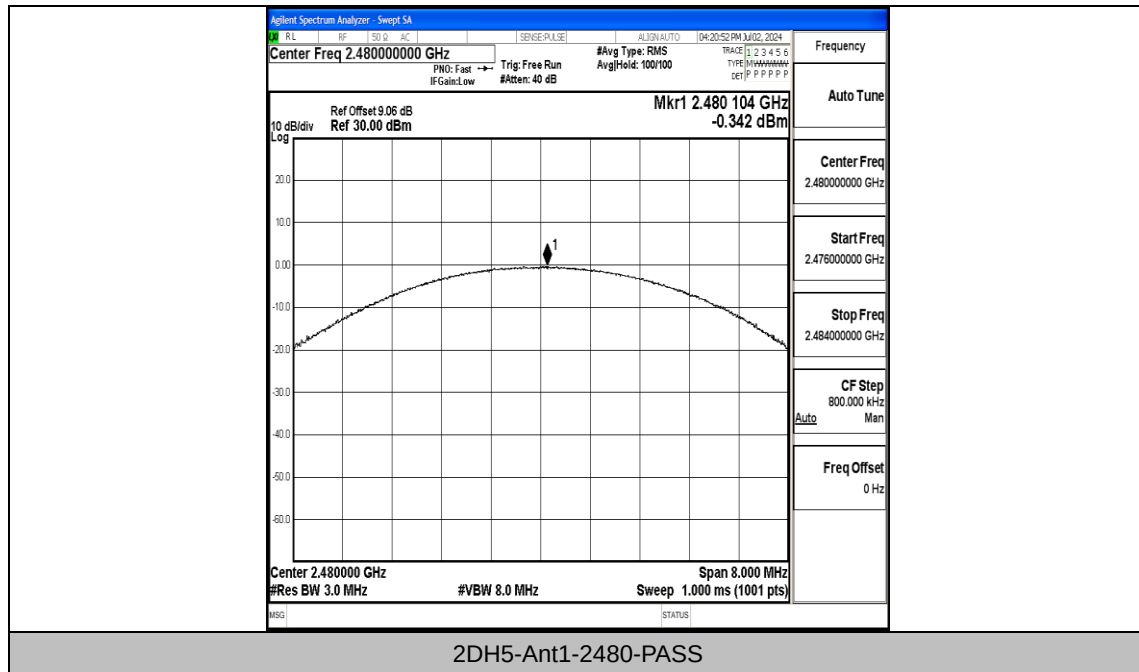
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

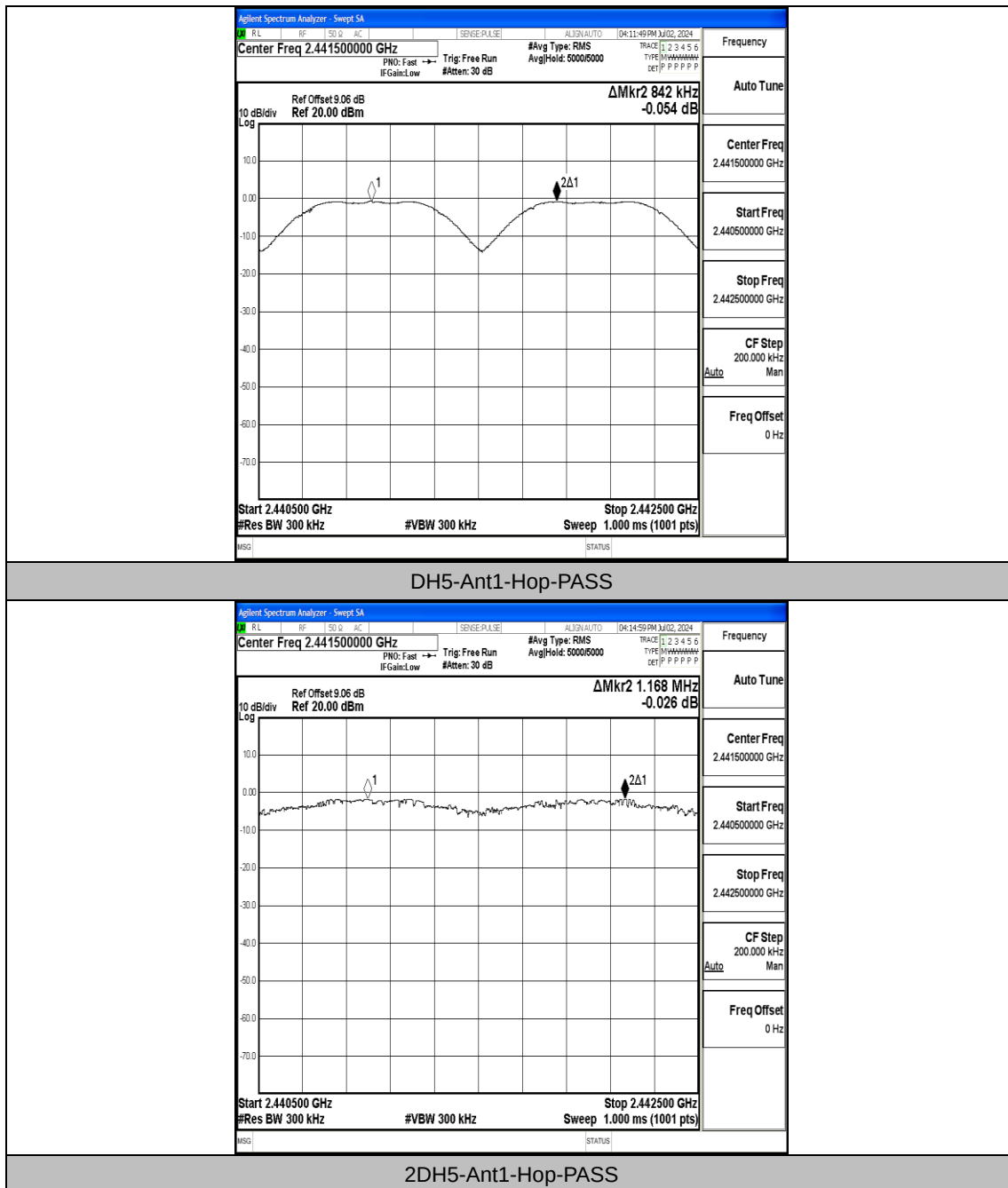


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.842	≥ 0.648	PASS
2DH5	Ant1	Hop	1.168	≥ 0.878	PASS

Test Graphs

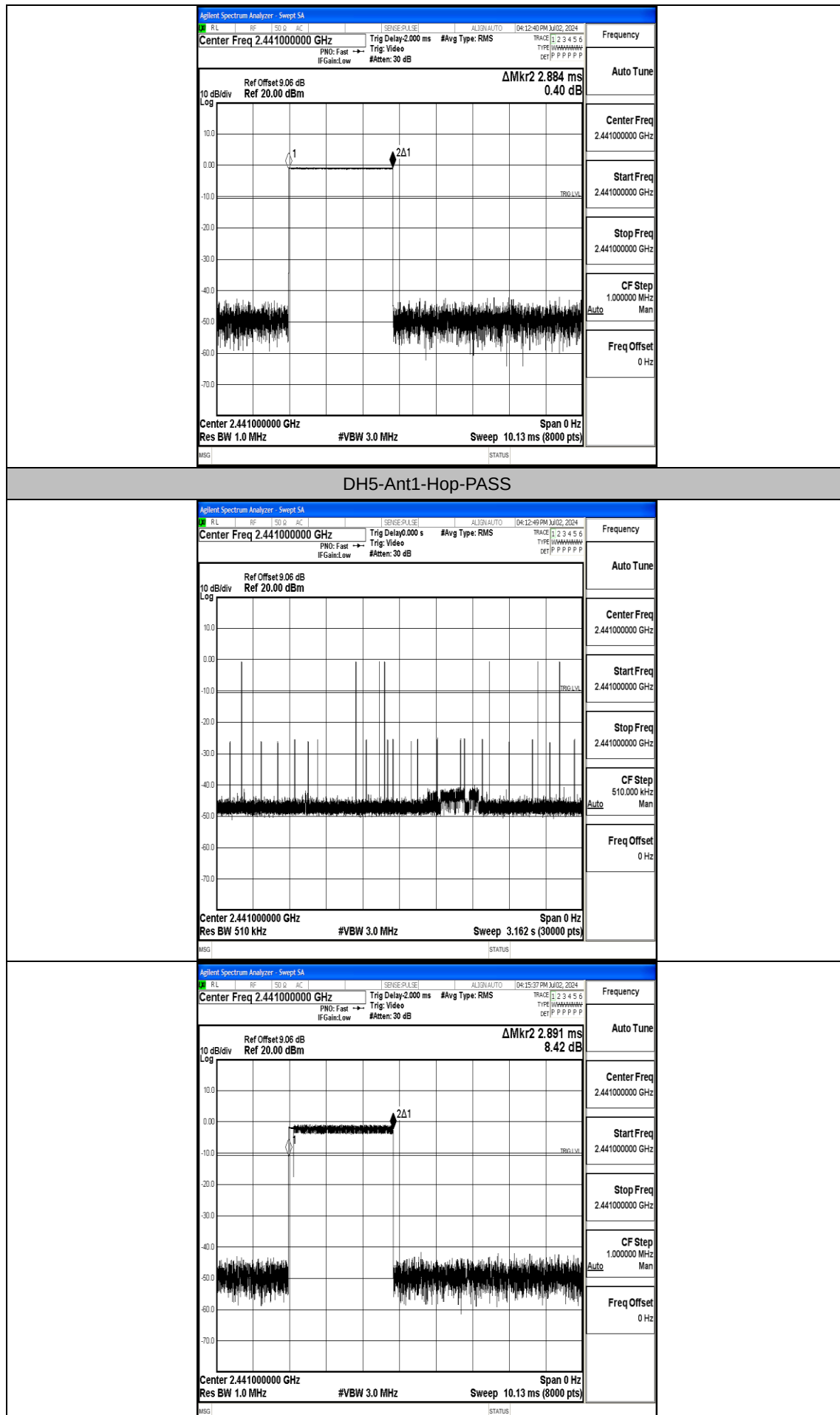


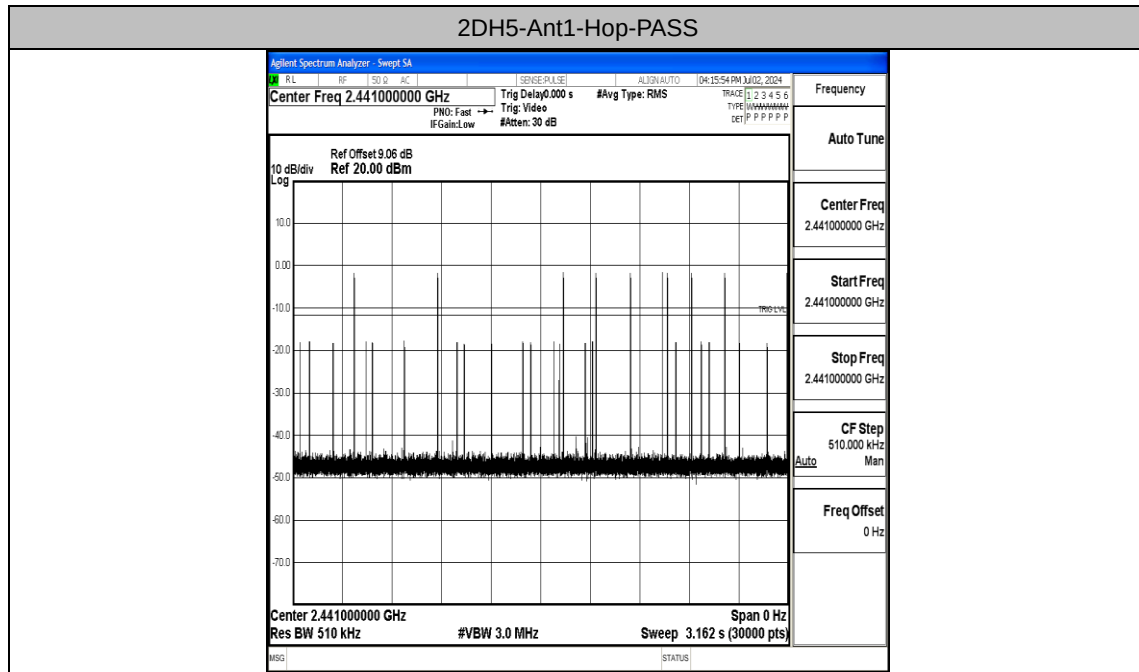
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.884	80	0.231	≤0.4	PASS
2DH5	Ant1	Hop	2.891	110	0.318	≤0.4	PASS

Test Graphs



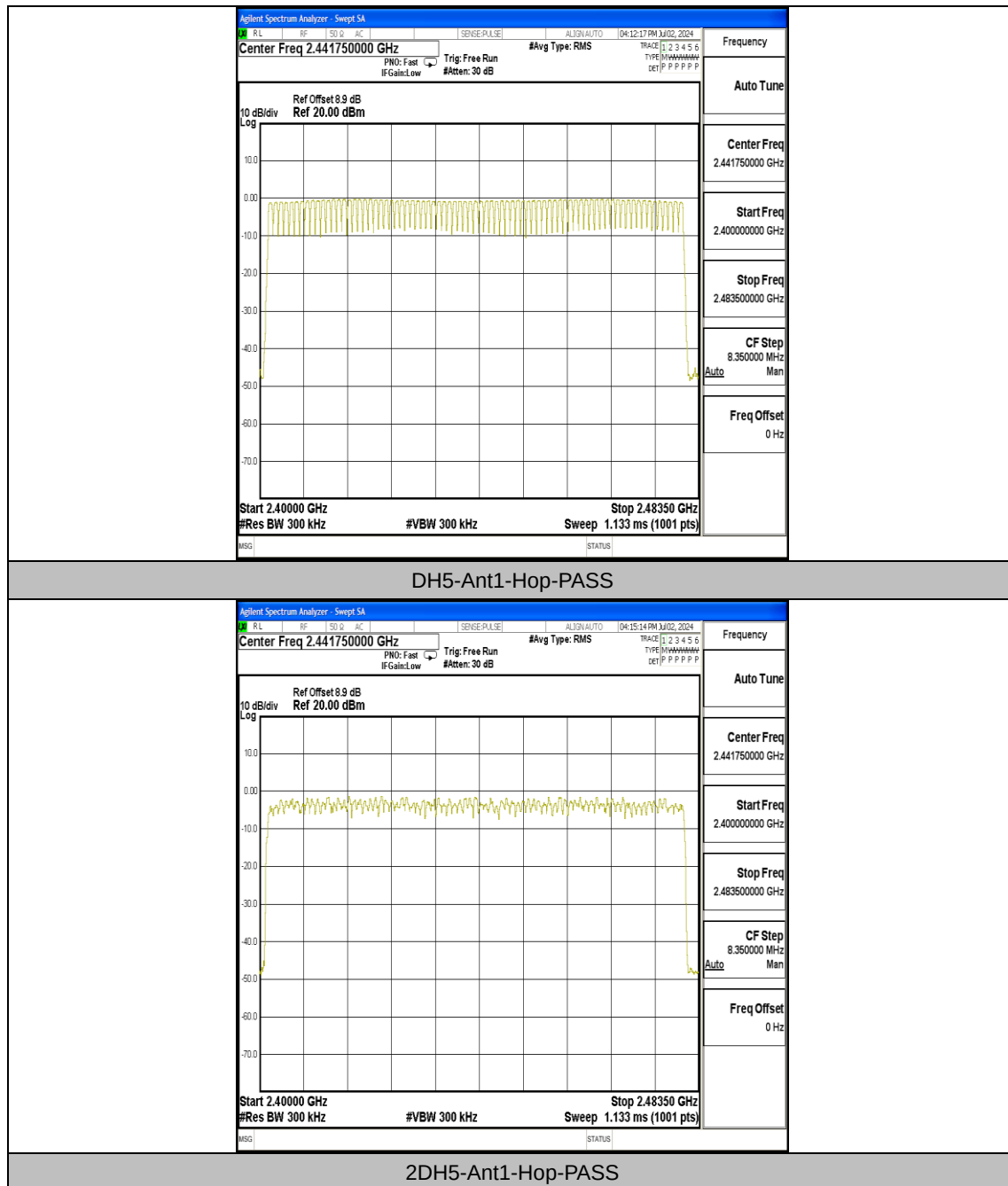


Appendix F: Number of hopping channels

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

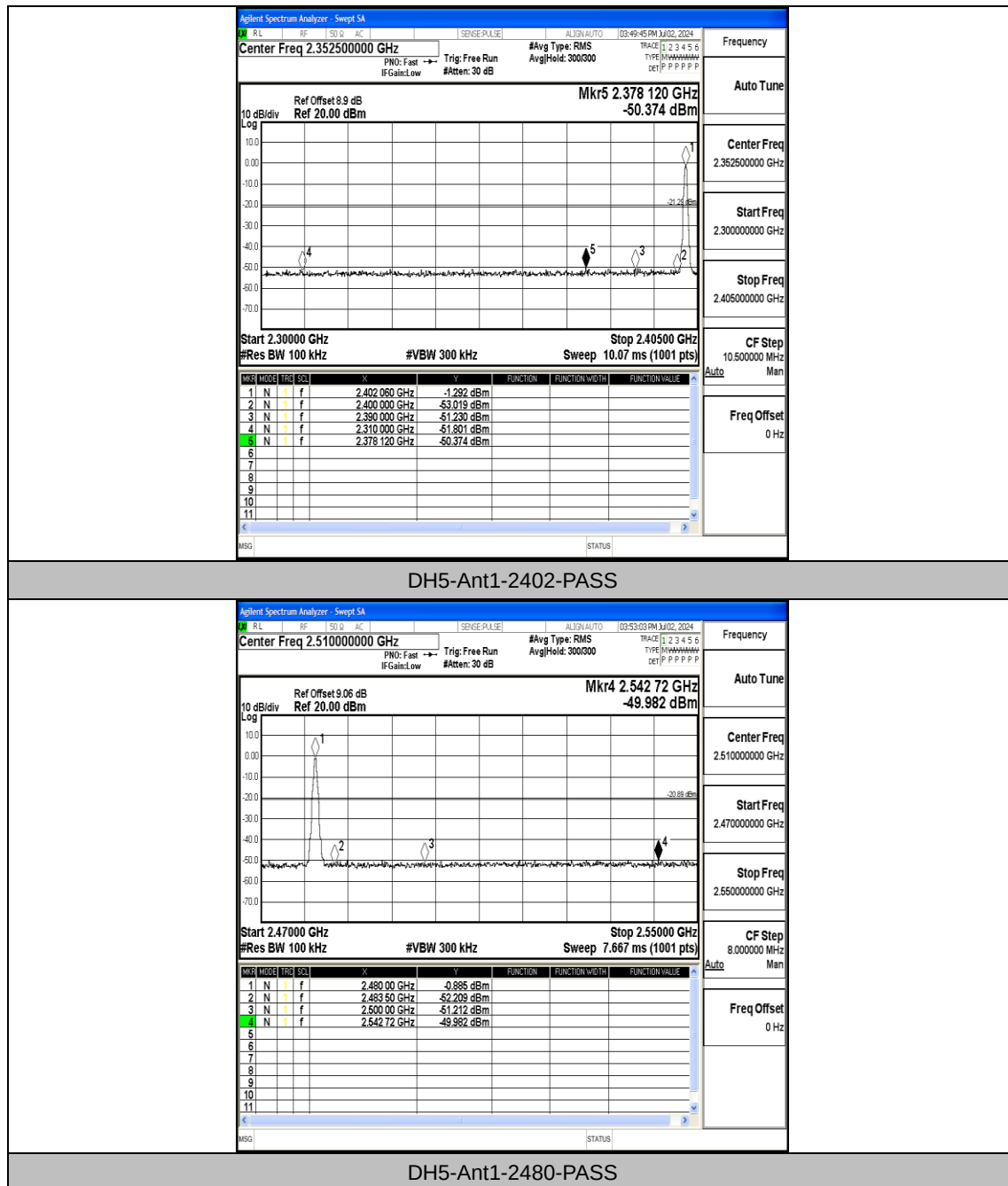


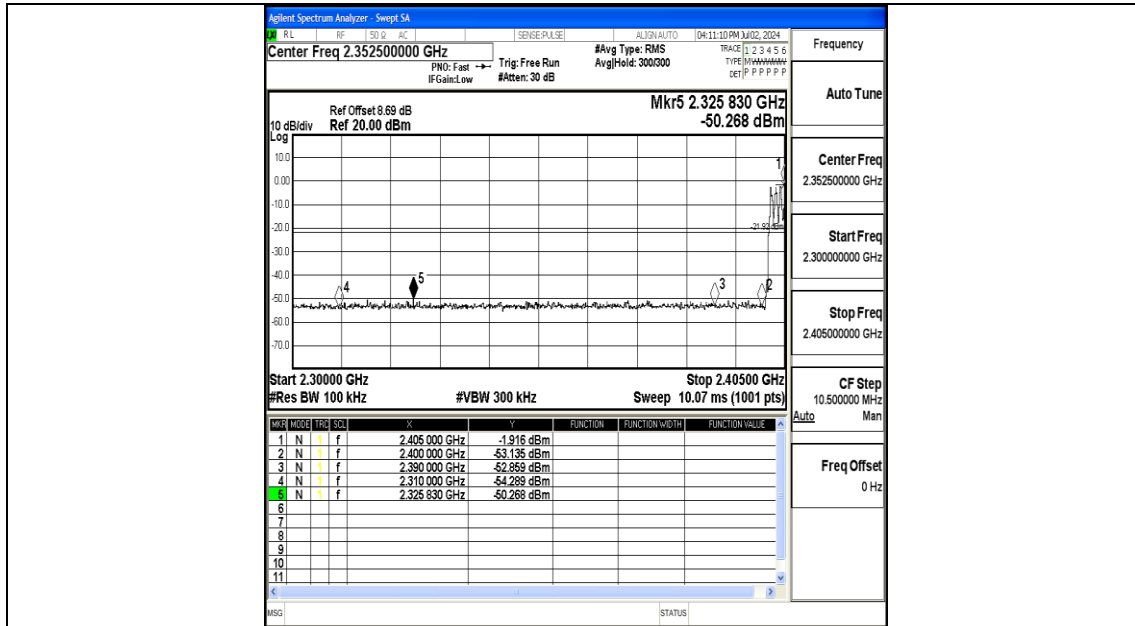
Appendix G: Band edge measurements

Test Result

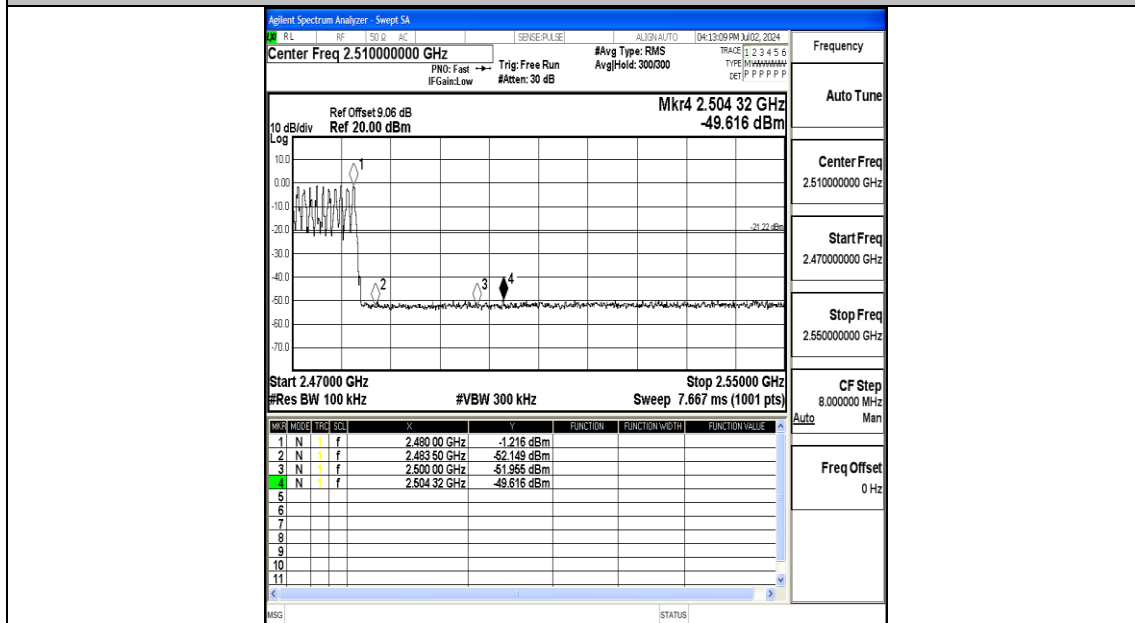
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.29	-50.37	≤ -21.29	PASS
DH5	Ant1	High	2480	-0.89	-49.98	≤ -20.89	PASS
DH5	Ant1	Low	Hop_2402	-1.92	-50.27	≤ -21.92	PASS
DH5	Ant1	High	Hop_2480	-1.22	-49.62	≤ -21.22	PASS
2DH5	Ant1	Low	2402	-2.71	-50.03	≤ -22.71	PASS
2DH5	Ant1	High	2480	-2.60	-49.78	≤ -22.6	PASS
2DH5	Ant1	Low	Hop_2402	-6.45	-50.41	≤ -26.45	PASS
2DH5	Ant1	High	Hop_2480	-4.62	-49.48	≤ -24.62	PASS

Test Graphs

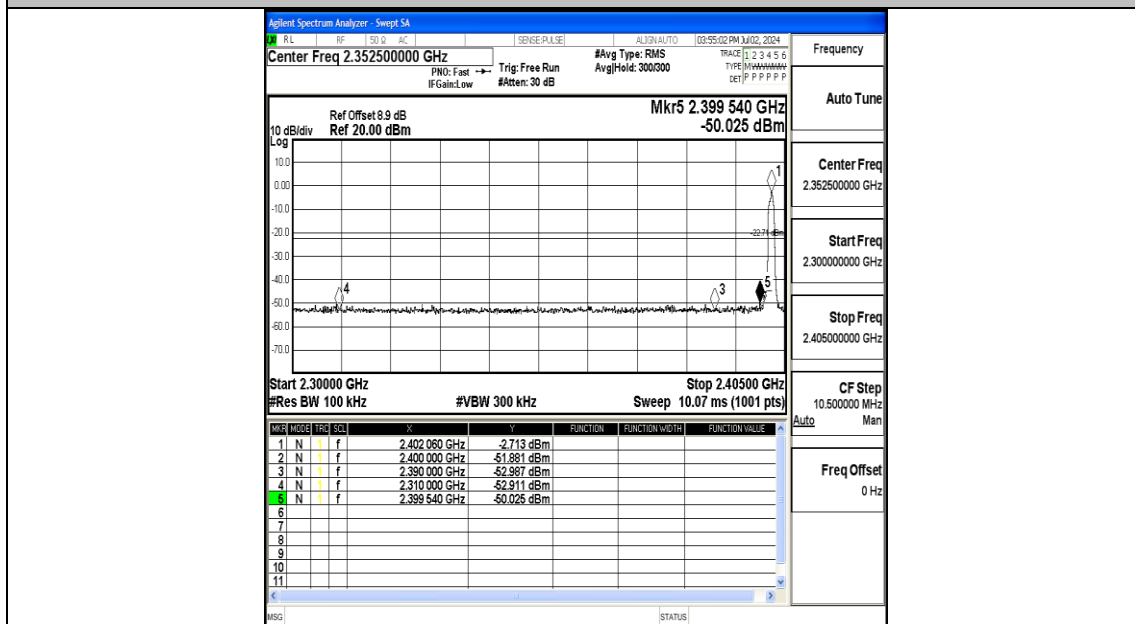




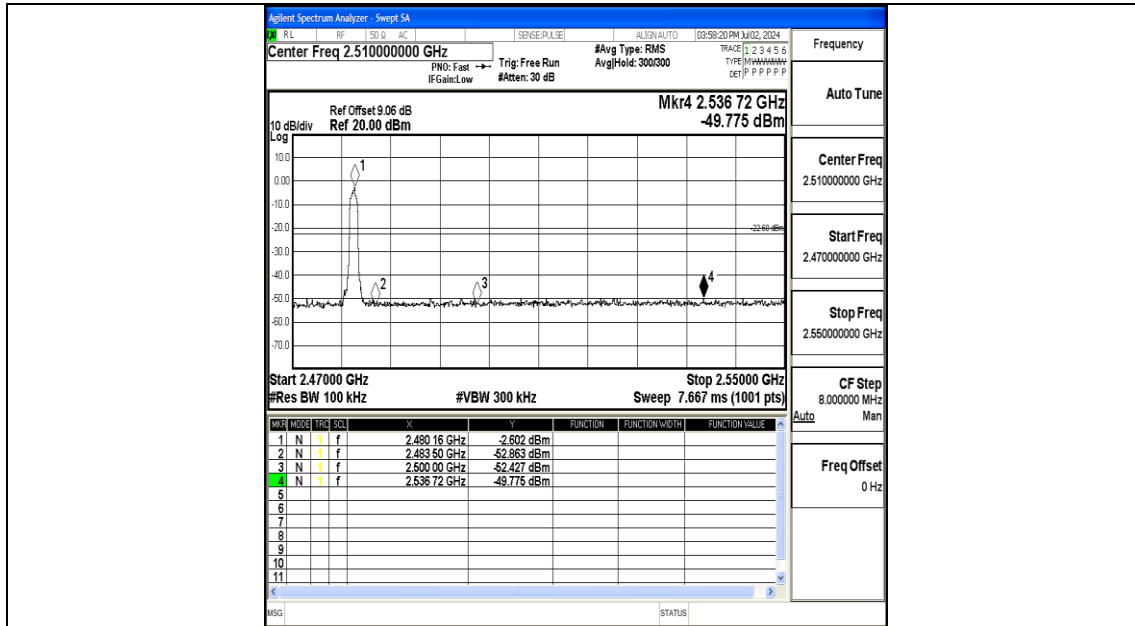
DH5-Ant1-Hop_2402-PASS



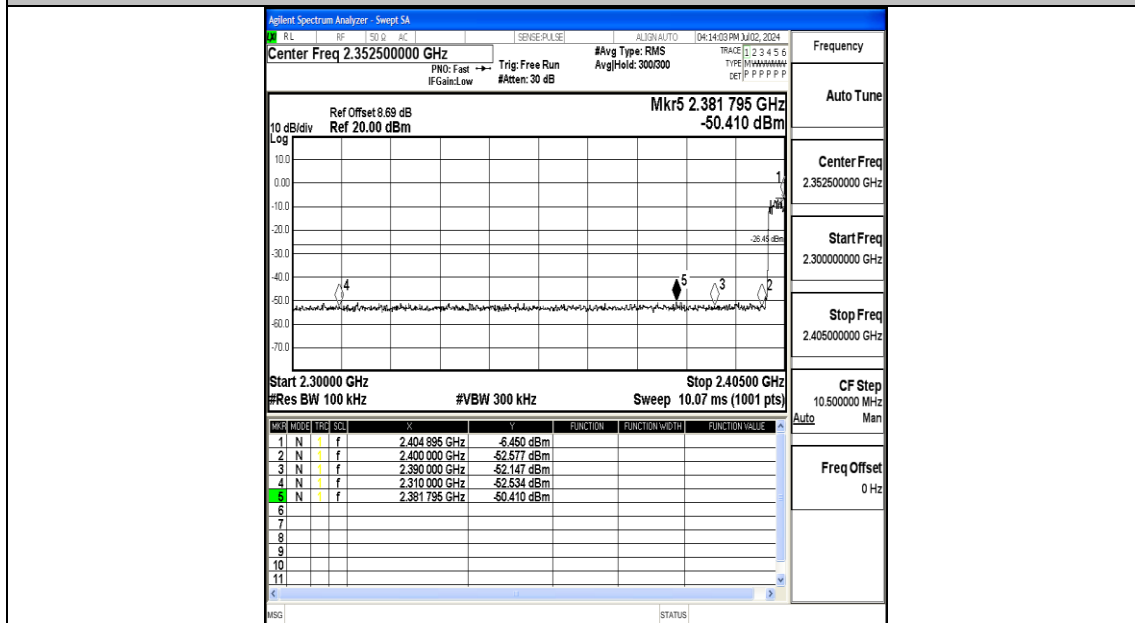
DH5-Ant1-Hop_2480-PASS



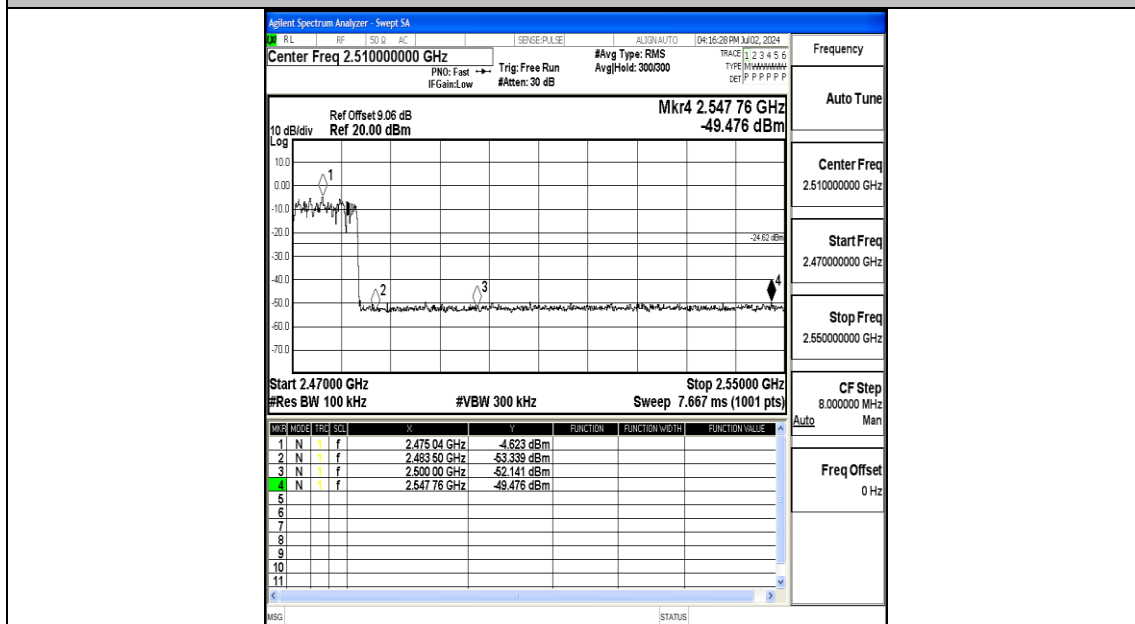
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



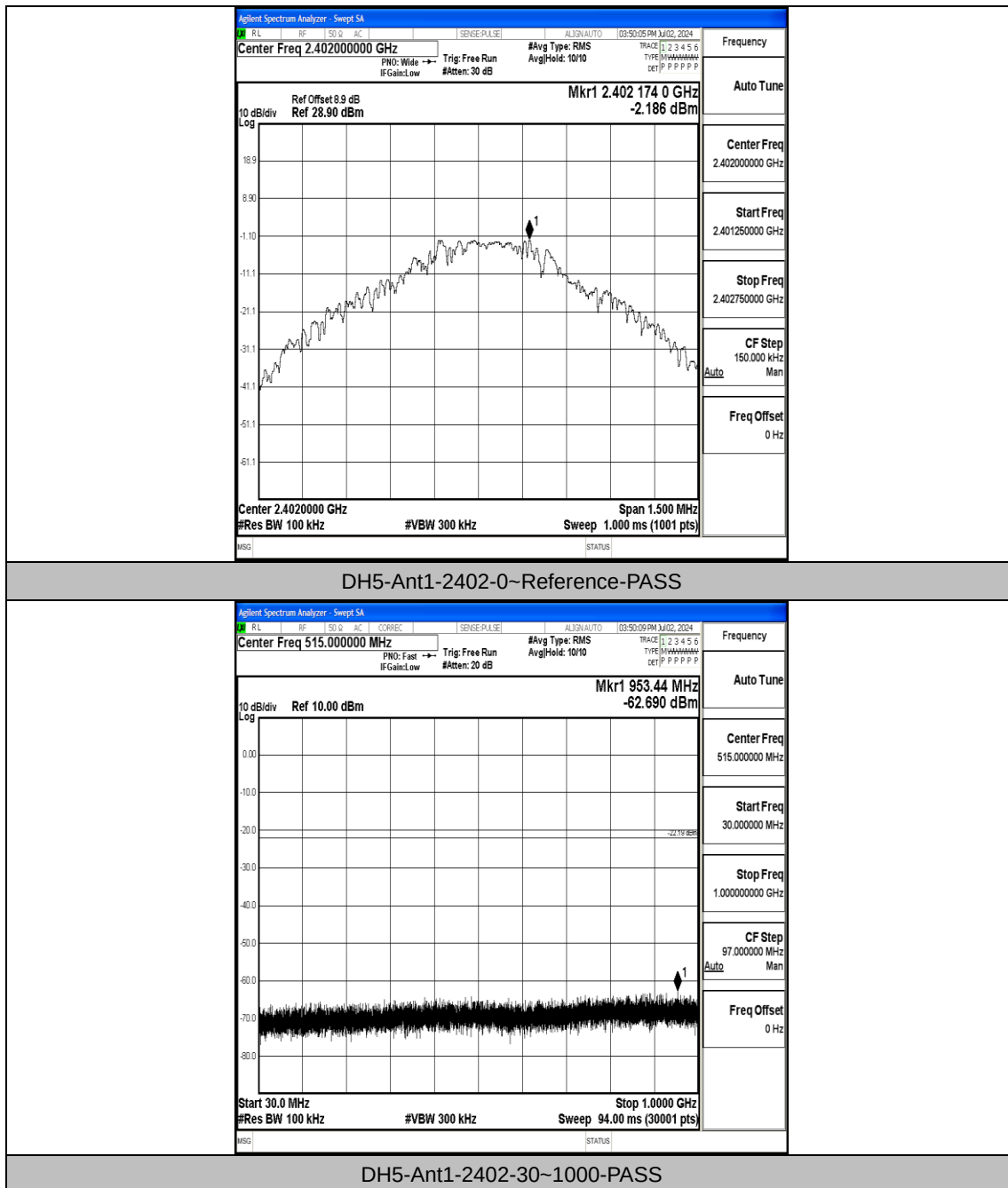
2DH5-Ant1-Hop_2480-PASS

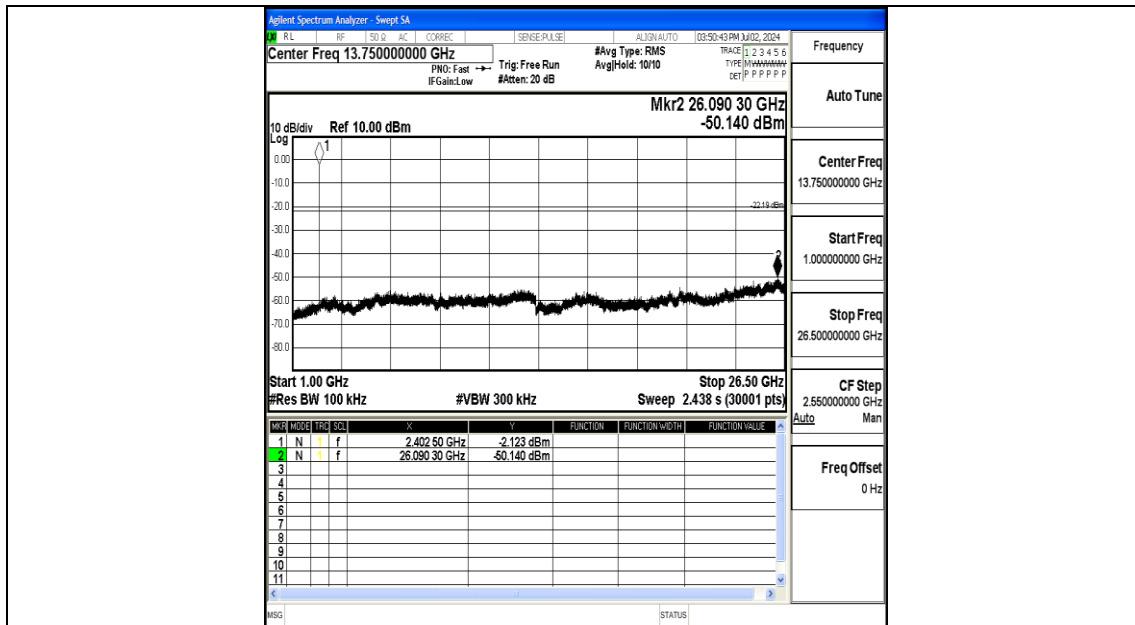
Appendix H: Conducted Spurious Emission

Test Result

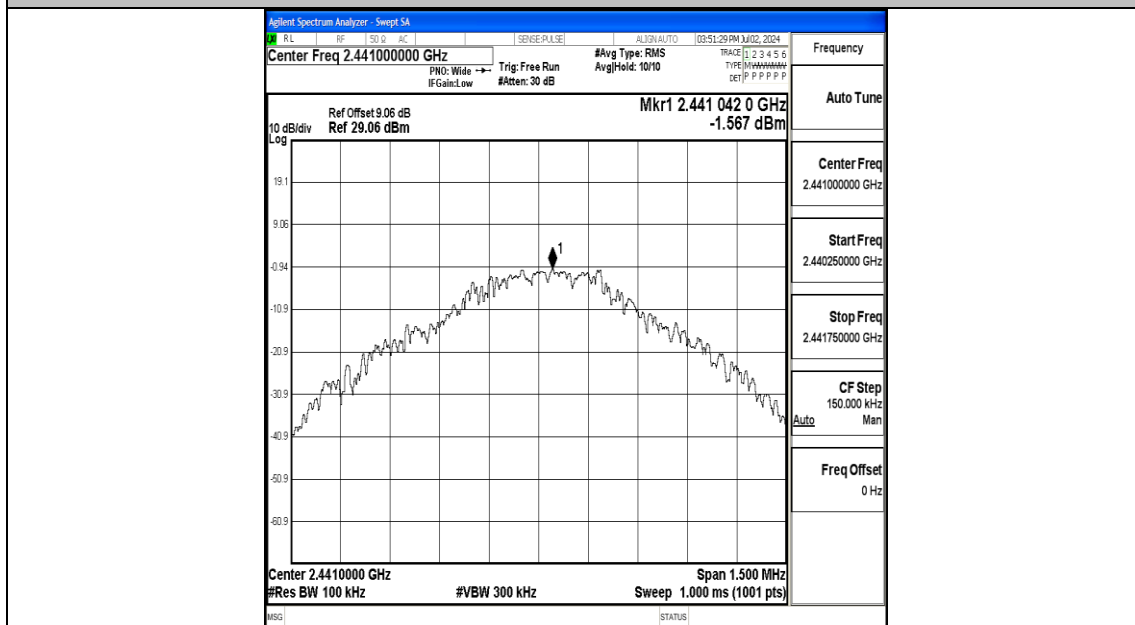
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-2.19	-2.19	---	PASS
DH5	Ant1	2402	30~1000	-2.19	-62.69	≤-22.19	PASS
DH5	Ant1	2402	1000~26500	-2.19	-50.14	≤-22.19	PASS
DH5	Ant1	2441	0~Reference	-1.57	-1.57	---	PASS
DH5	Ant1	2441	30~1000	-1.57	-62.36	≤-21.57	PASS
DH5	Ant1	2441	1000~26500	-1.57	-49.93	≤-21.57	PASS
DH5	Ant1	2480	0~Reference	-1.18	-1.18	---	PASS
DH5	Ant1	2480	30~1000	-1.18	-62.18	≤-21.18	PASS
DH5	Ant1	2480	1000~26500	-1.18	-50.48	≤-21.18	PASS
2DH5	Ant1	2402	0~Reference	-6.02	-6.02	---	PASS
2DH5	Ant1	2402	30~1000	-6.02	-63.14	≤-26.02	PASS
2DH5	Ant1	2402	1000~26500	-6.02	-48.91	≤-26.02	PASS
2DH5	Ant1	2441	0~Reference	-1.91	-1.91	---	PASS
2DH5	Ant1	2441	30~1000	-1.91	-62.52	≤-21.91	PASS
2DH5	Ant1	2441	1000~26500	-1.91	-51.04	≤-21.91	PASS
2DH5	Ant1	2480	0~Reference	-3.96	-3.96	---	PASS
2DH5	Ant1	2480	30~1000	-3.96	-61.81	≤-23.96	PASS
2DH5	Ant1	2480	1000~26500	-3.96	-49.46	≤-23.96	PASS

Test Graphs

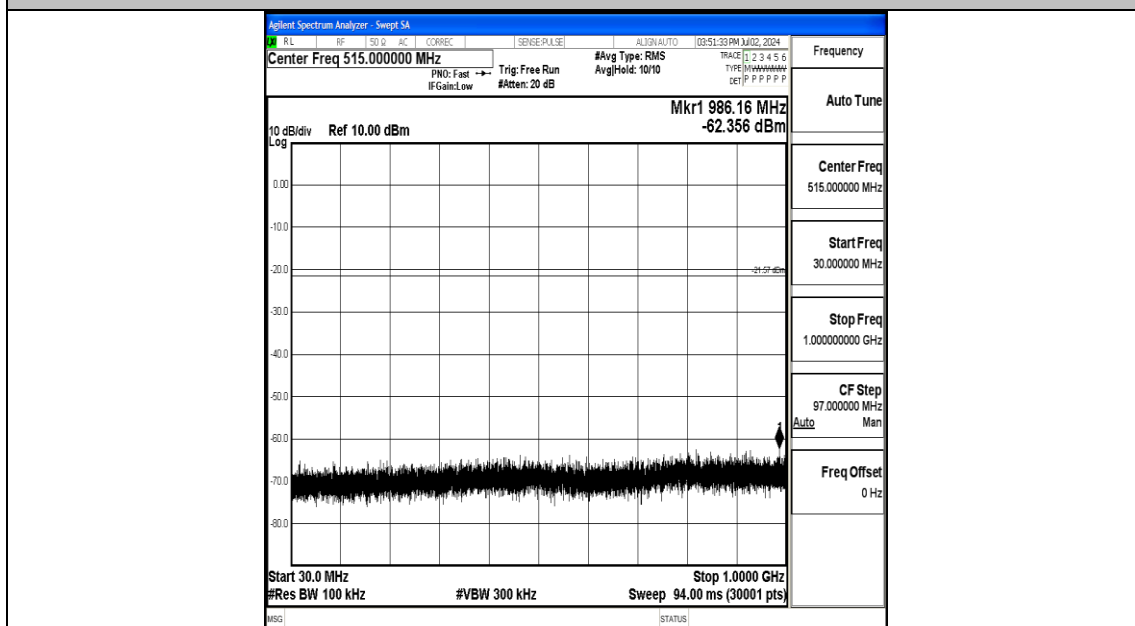




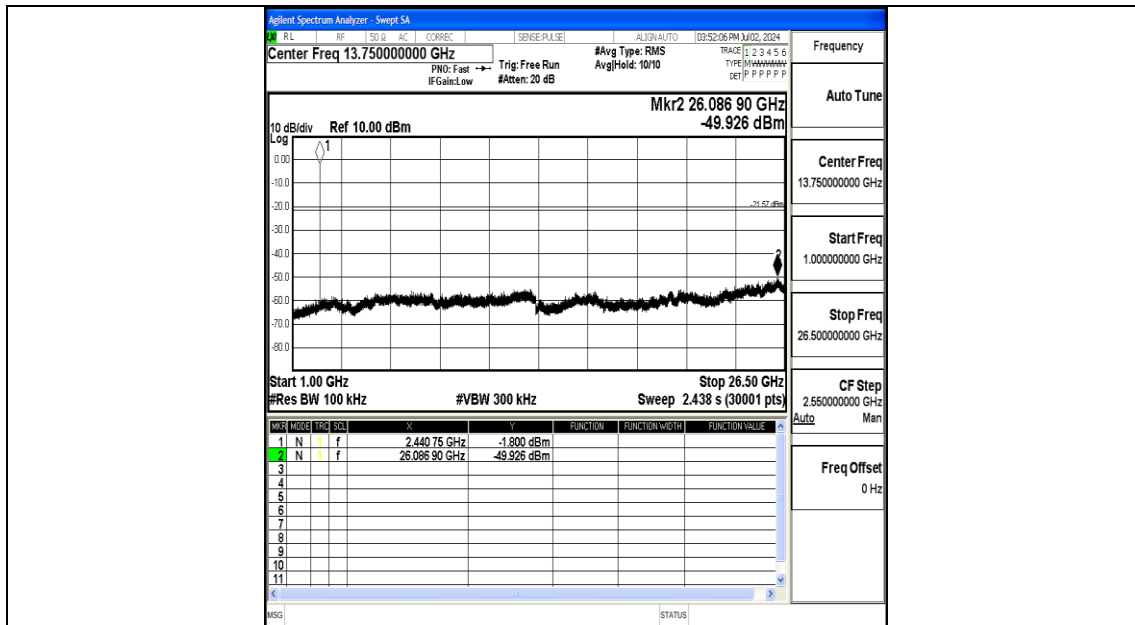
DH5-Ant1-2402-1000~26500-PASS



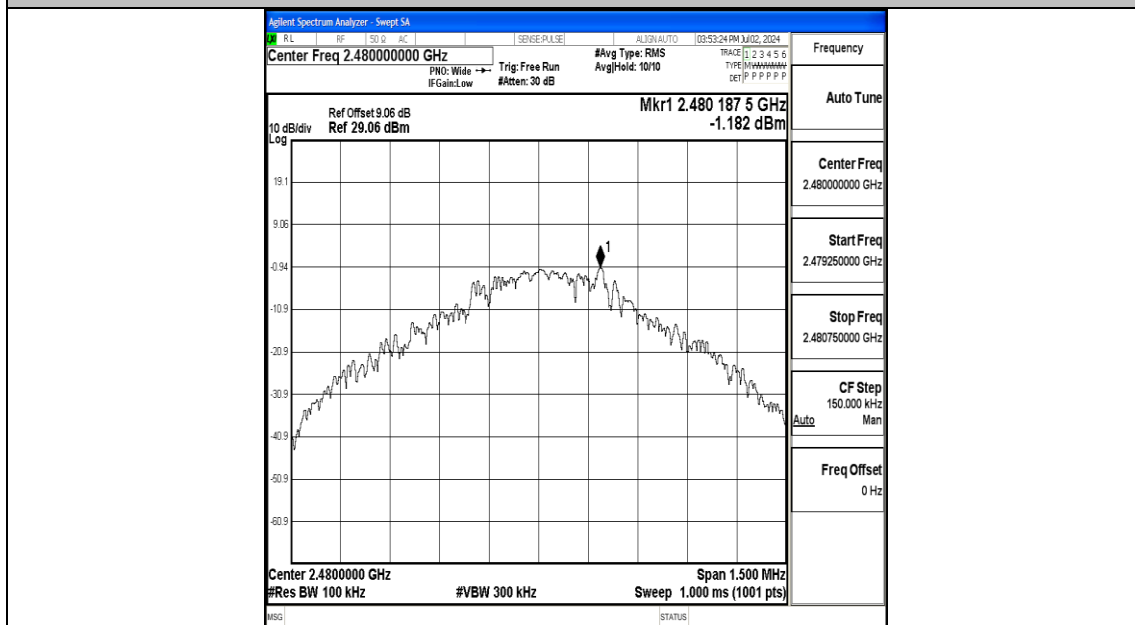
DH5-Ant1-2441-0~Reference-PASS



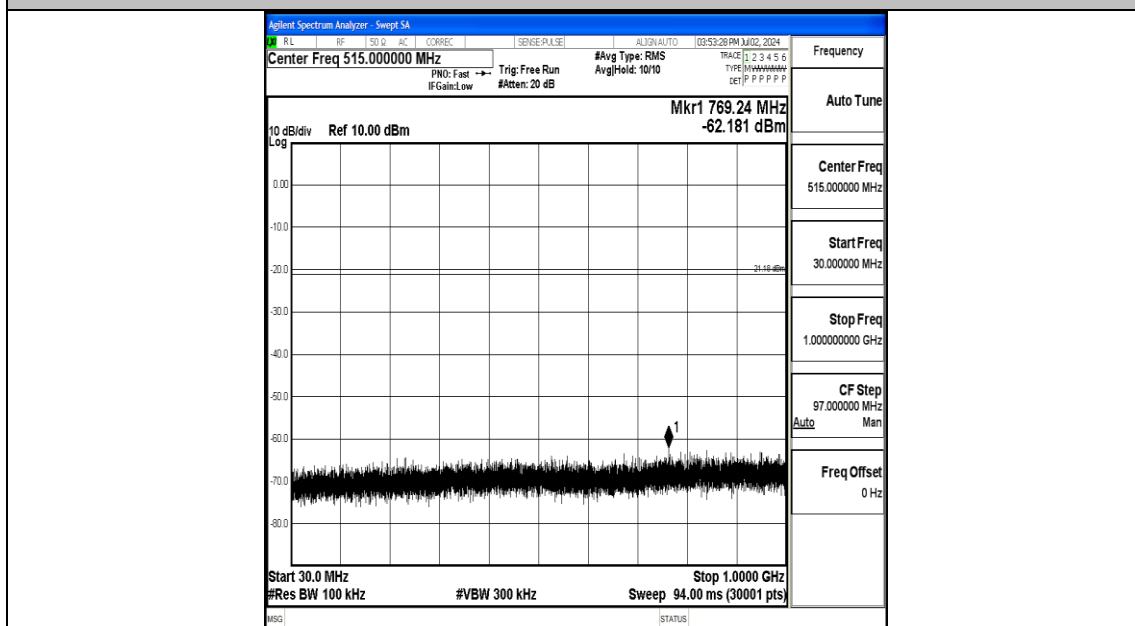
DH5-Ant1-2441-30~1000-PASS



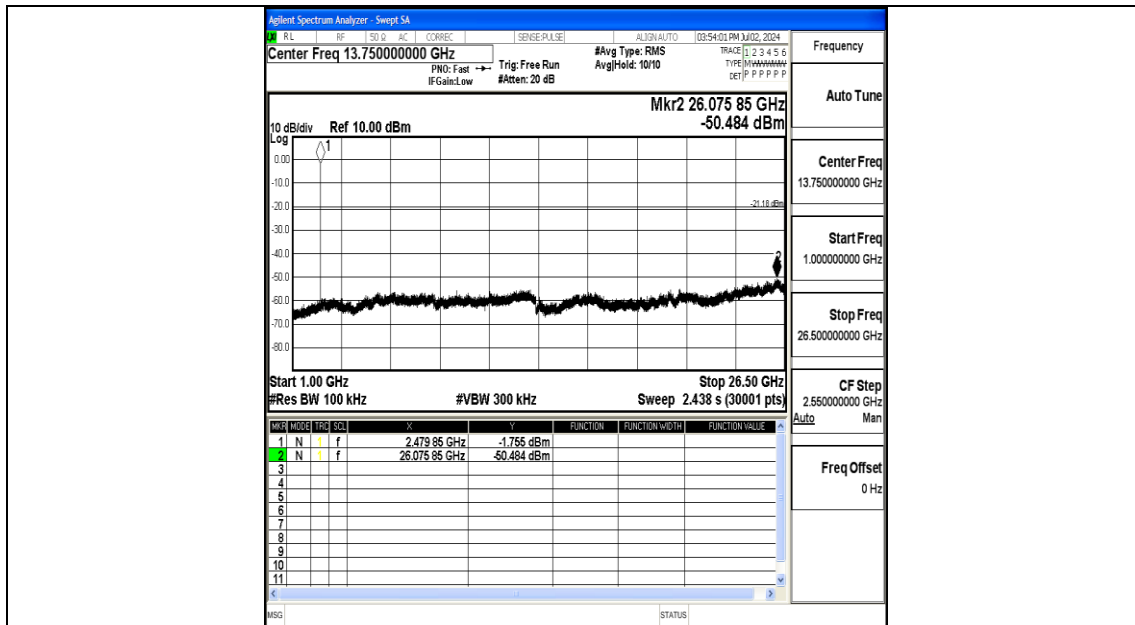
DH5-Ant1-2441-1000~26500-PASS



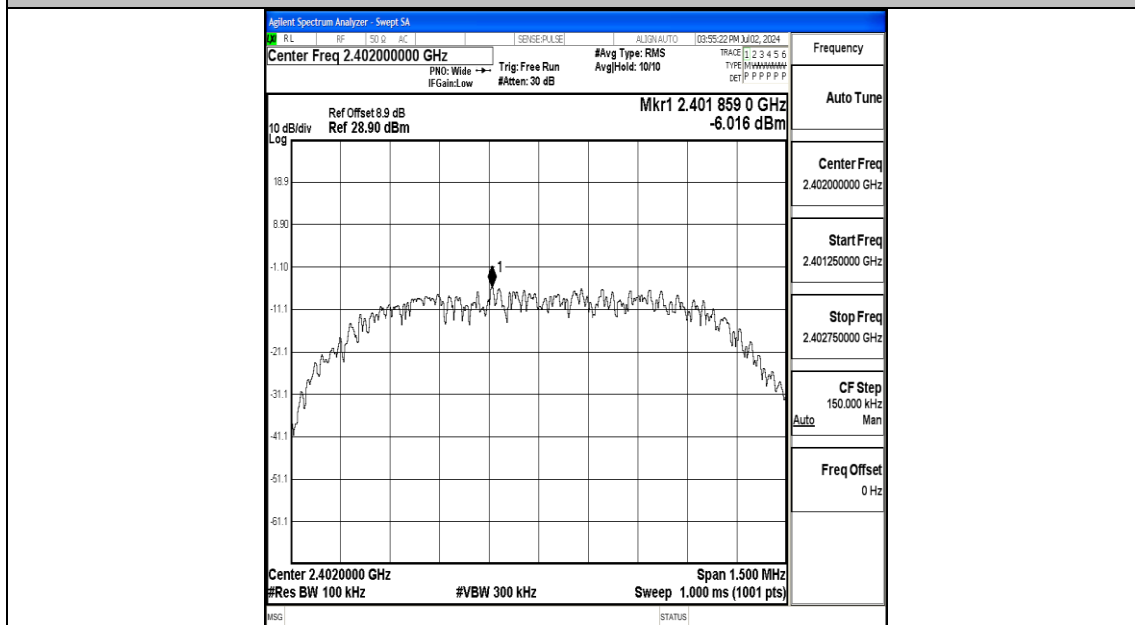
DH5-Ant1-2480-0~Reference-PASS



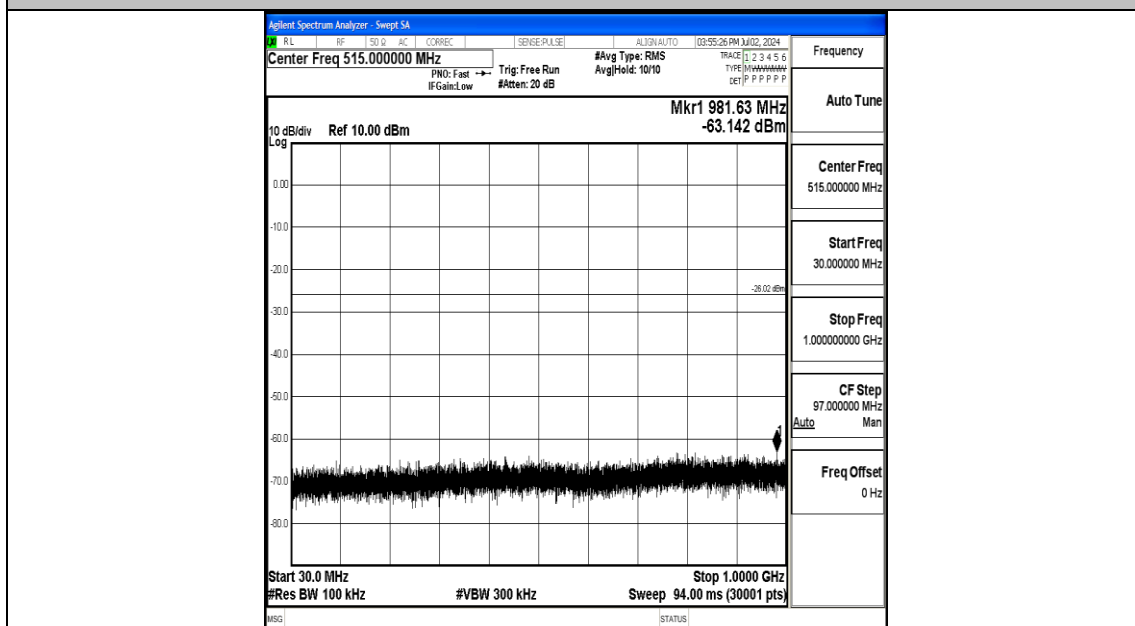
DH5-Ant1-2480-30~1000-PASS



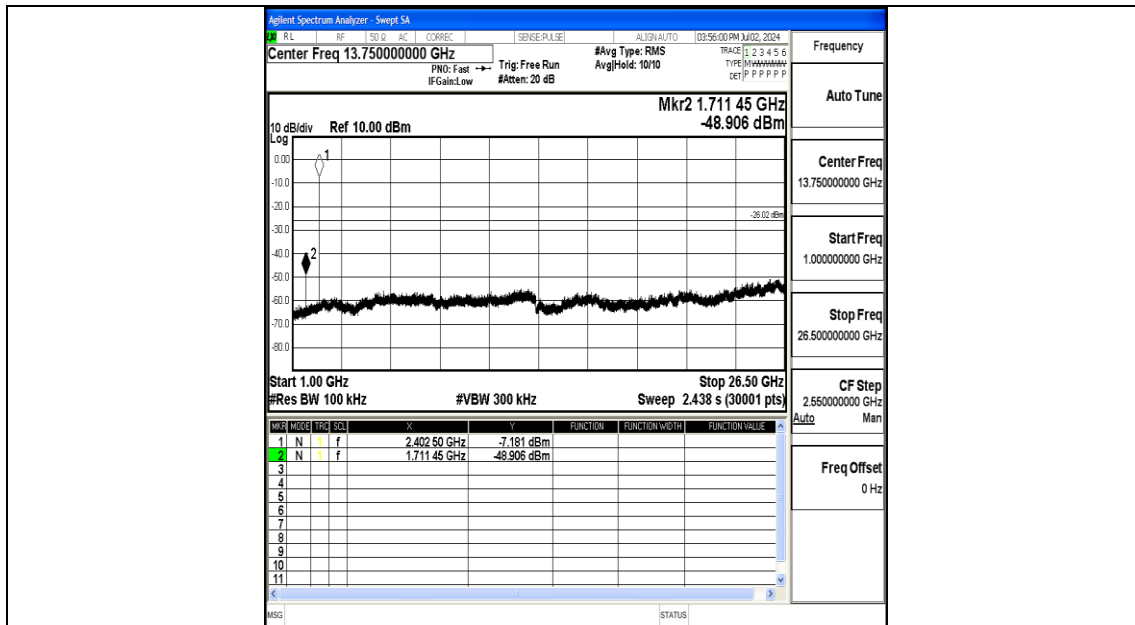
DH5-Ant1-2480-1000~26500-PASS



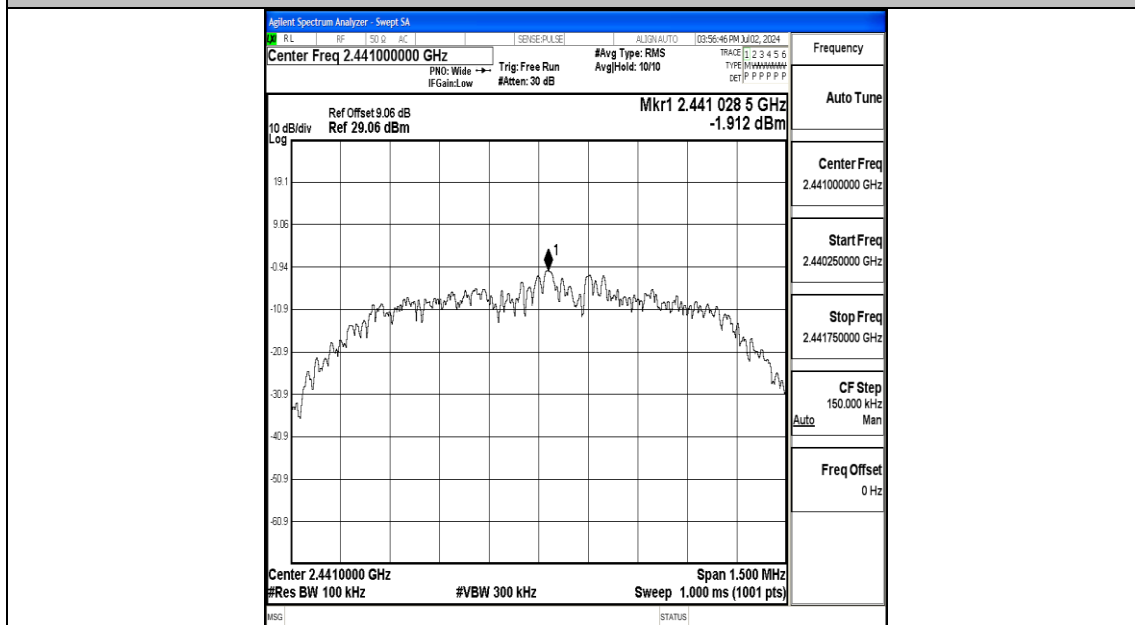
2DH5-Ant1-2402-0~Reference-PASS



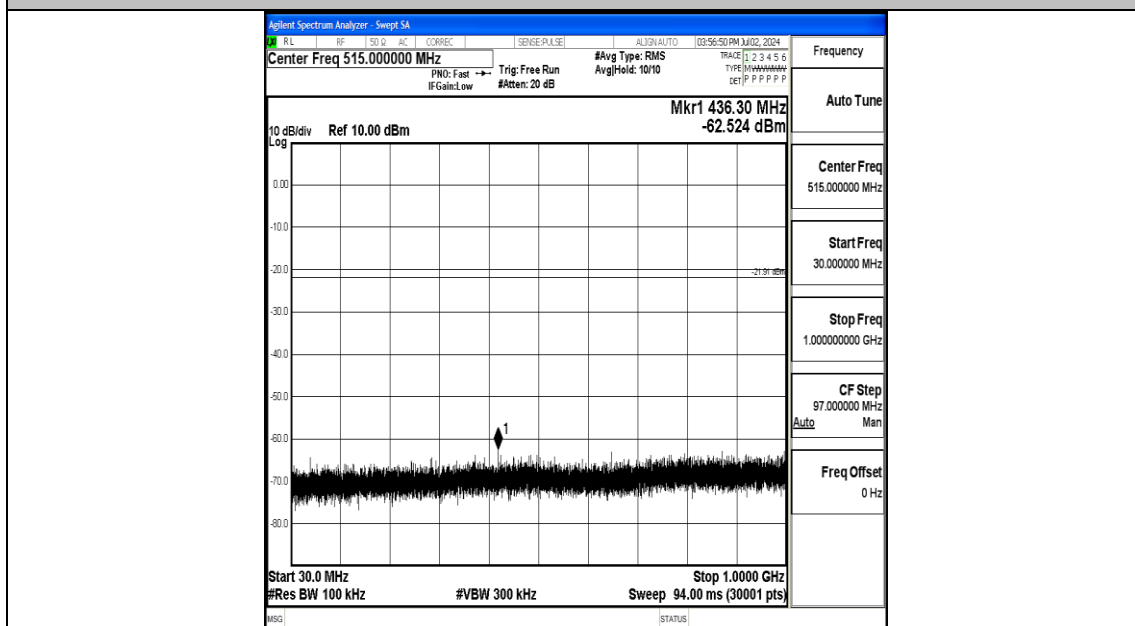
2DH5-Ant1-2402-30~1000-PASS



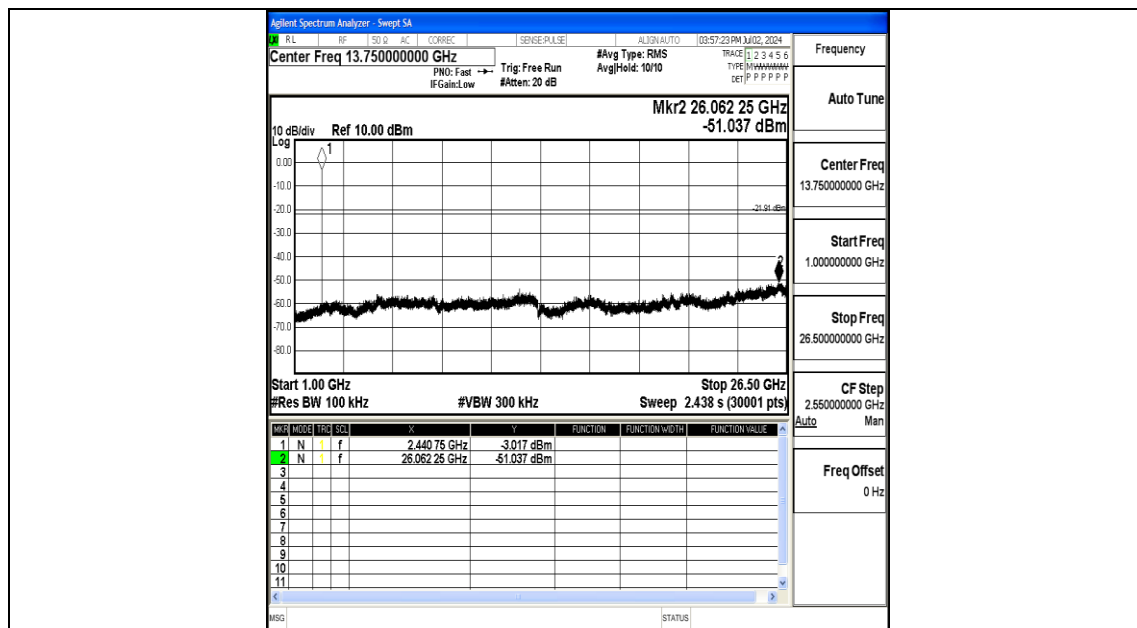
2DH5-Ant1-2402-1000~26500-PASS



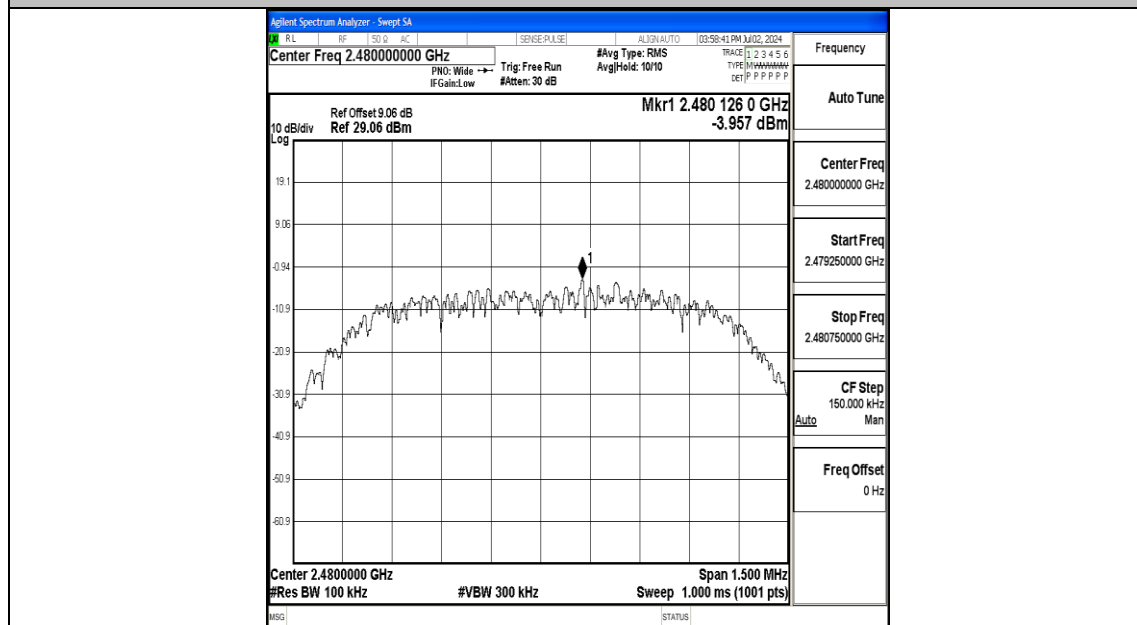
2DH5-Ant1-2441-0~Reference-PASS



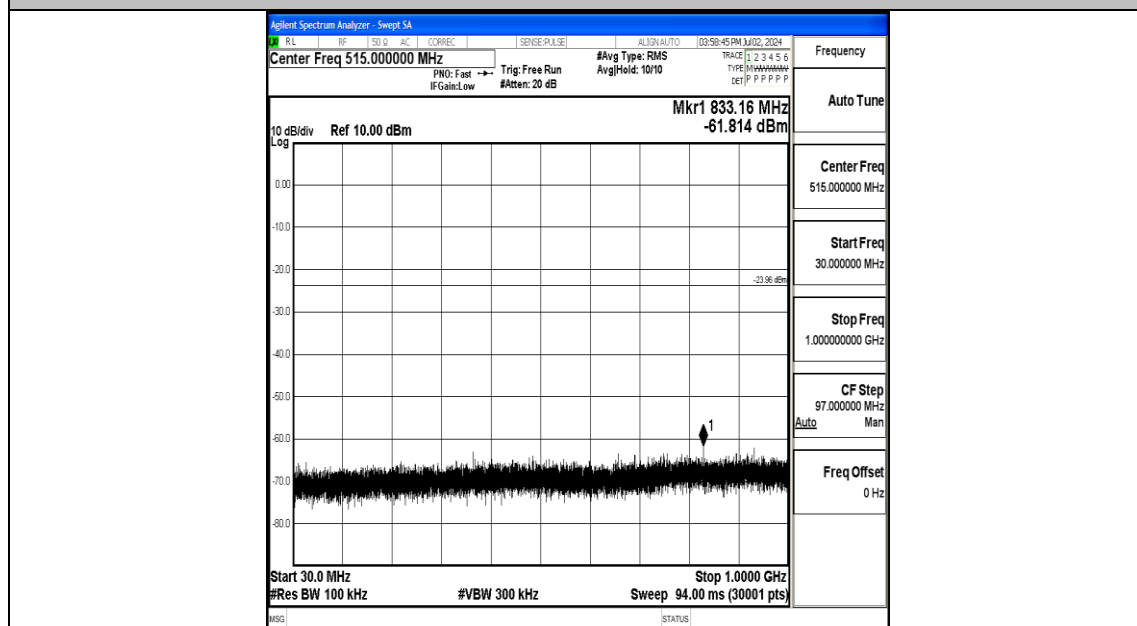
2DH5-Ant1-2441-30~1000-PASS



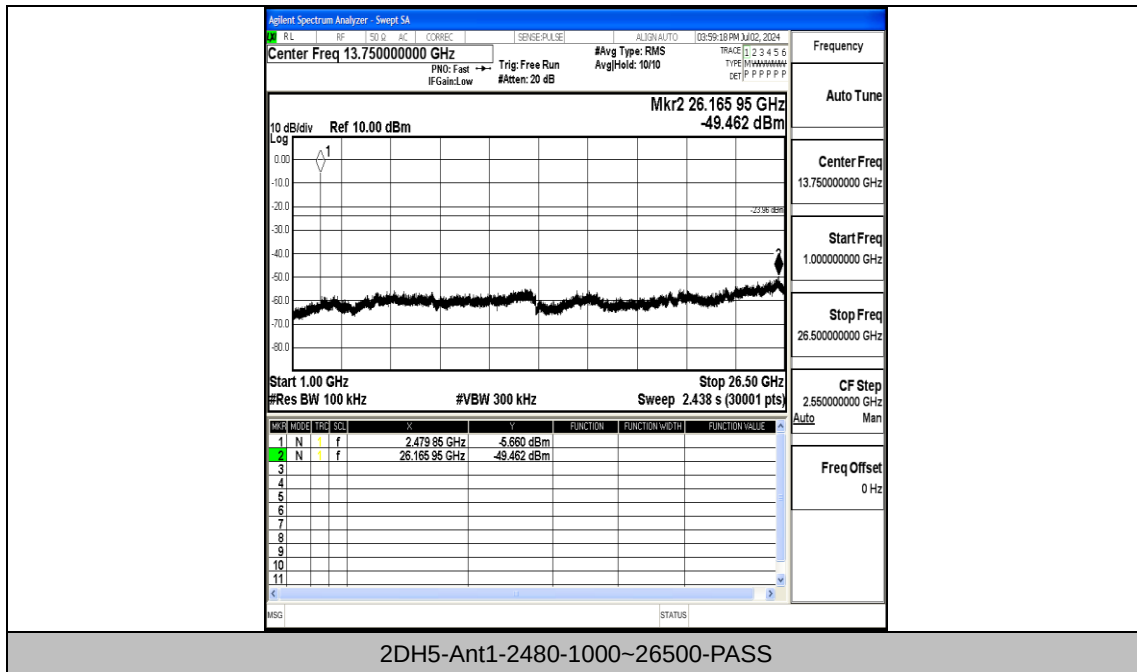
2DH5-Ant1-2441-1000~26500-PASS



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



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

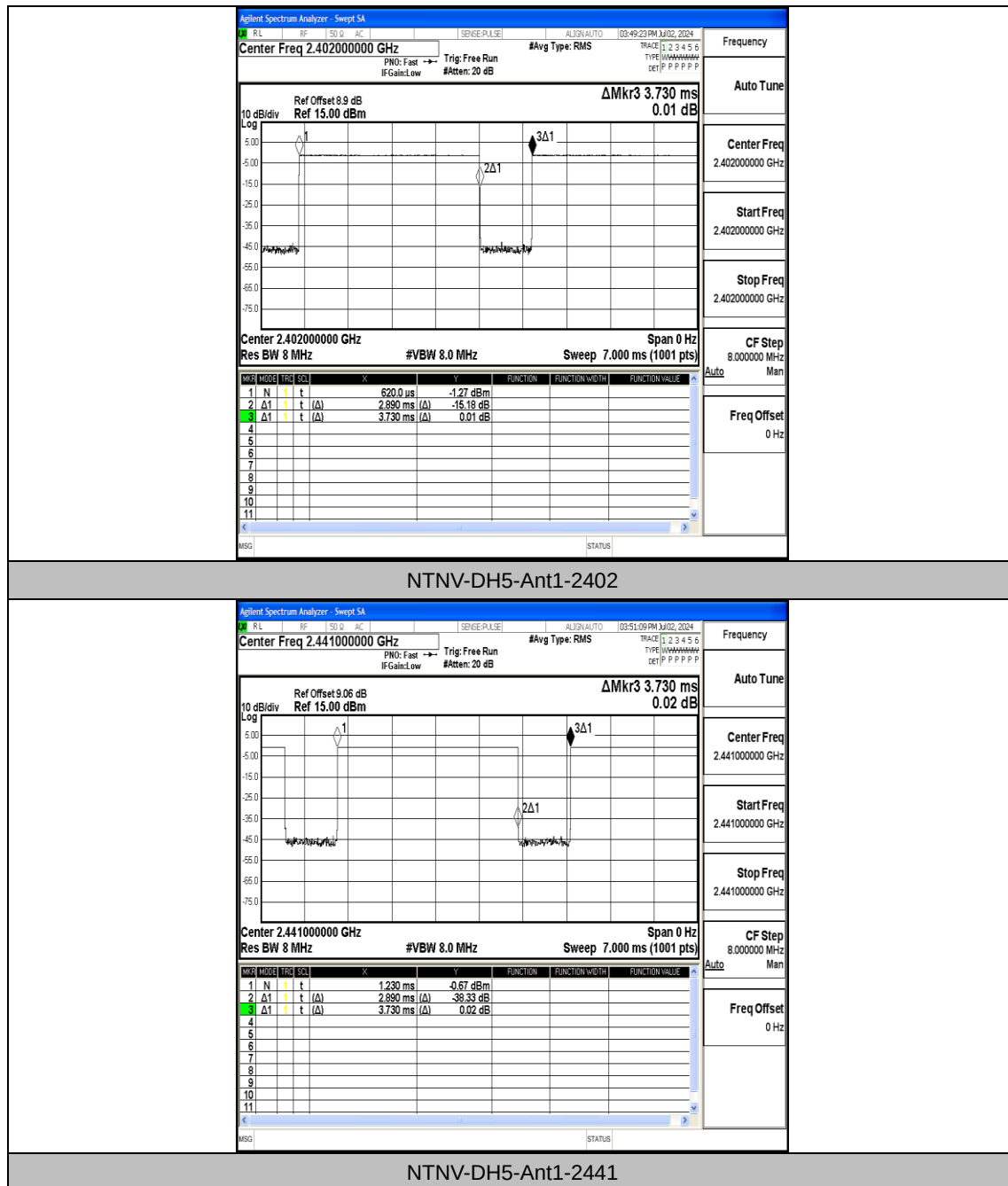


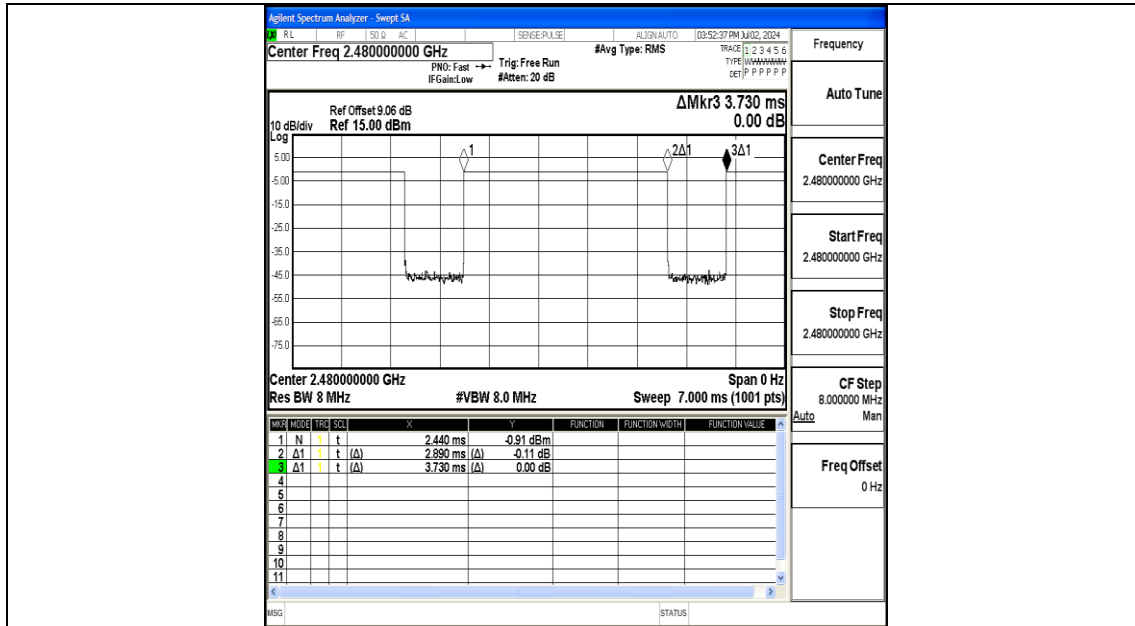
Appendix I: Duty Cycle

Test Result

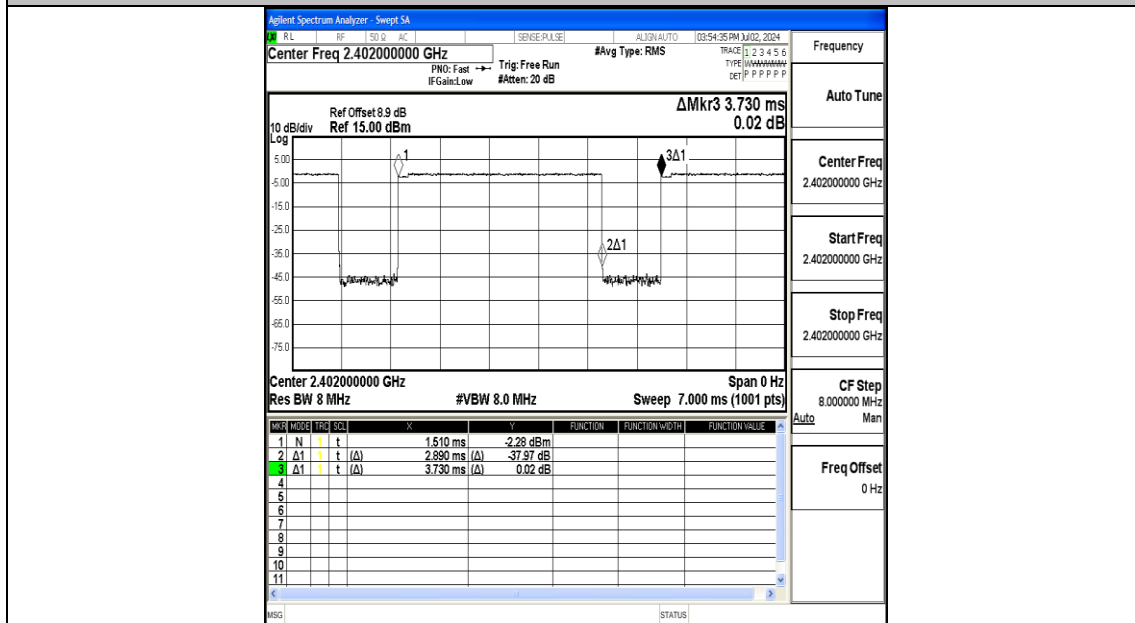
TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.89	3.73	77.48	1.11
DH5	Ant1	2441	2.89	3.73	77.48	1.11
DH5	Ant1	2480	2.89	3.73	77.48	1.11
2DH5	Ant1	2402	2.89	3.73	77.48	1.11
2DH5	Ant1	2441	2.89	3.73	77.48	1.11
2DH5	Ant1	2480	2.89	3.73	77.48	1.11

Test Graphs

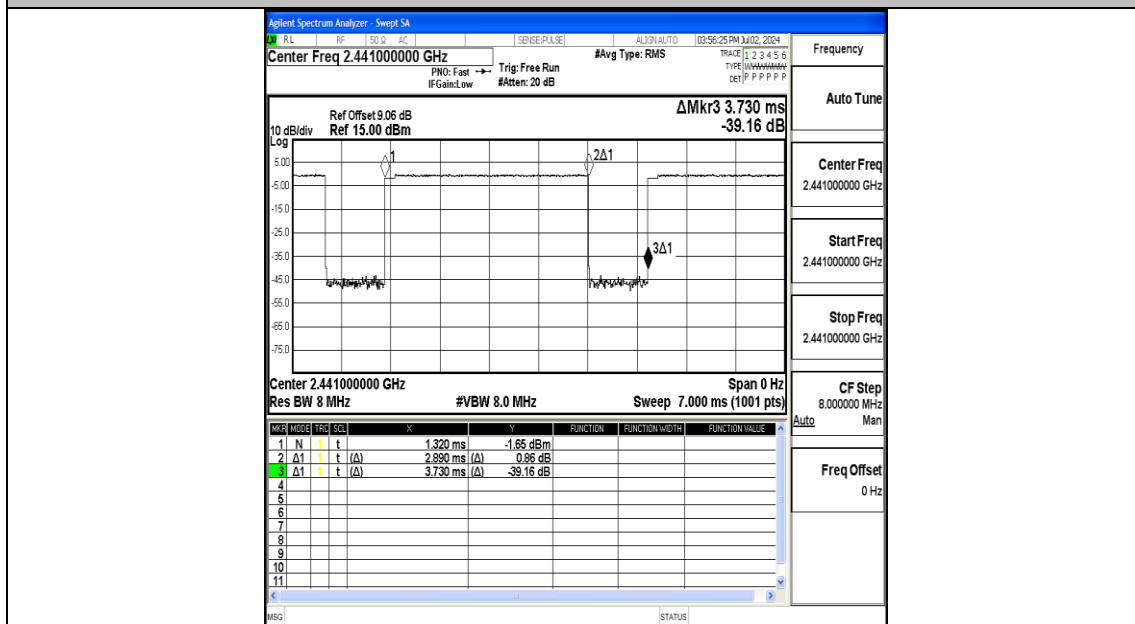




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

