

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

Product Name: Boston - Bear Speaker

Trade Mark: Boston

Test Model: BTB24024

FCC ID: 2A00Y-BTB24024

Environmental Conditions

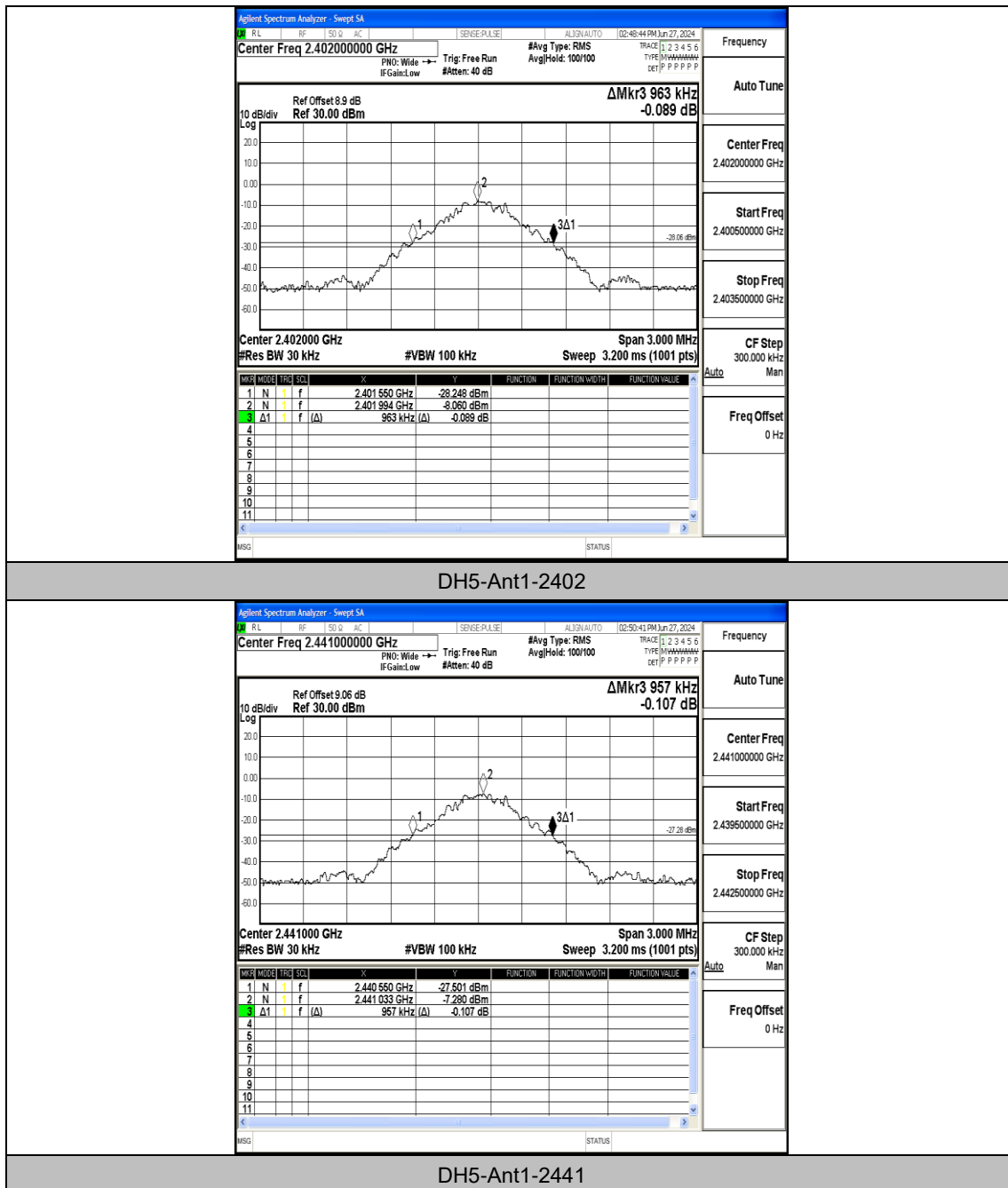
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

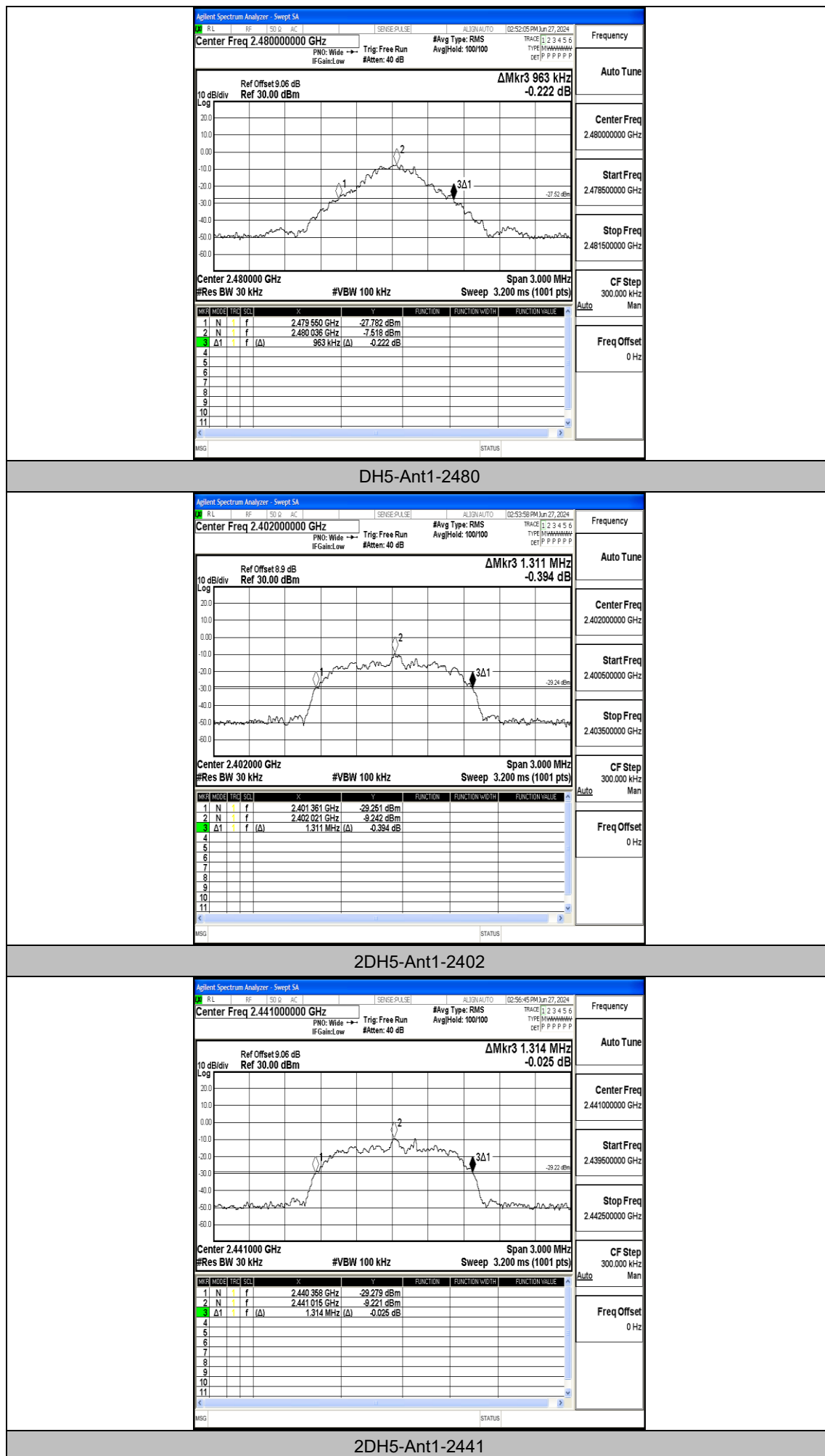
Appendix A: 20dB Emission Bandwidth

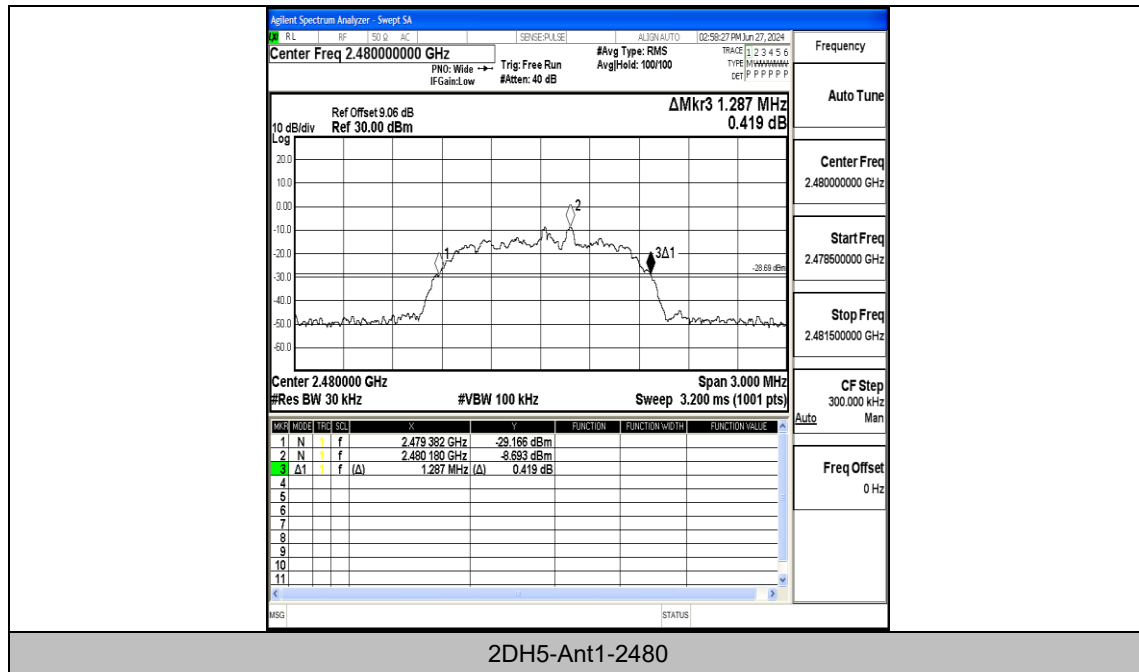
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.963	2401.550	2402.513	---	---
DH5	Ant1	2441	0.957	2440.550	2441.507	---	---
DH5	Ant1	2480	0.963	2479.550	2480.513	---	---
2DH5	Ant1	2402	1.311	2401.361	2402.672	---	---
2DH5	Ant1	2441	1.314	2440.358	2441.672	---	---
2DH5	Ant1	2480	1.287	2479.382	2480.669	---	---

Test Graphs





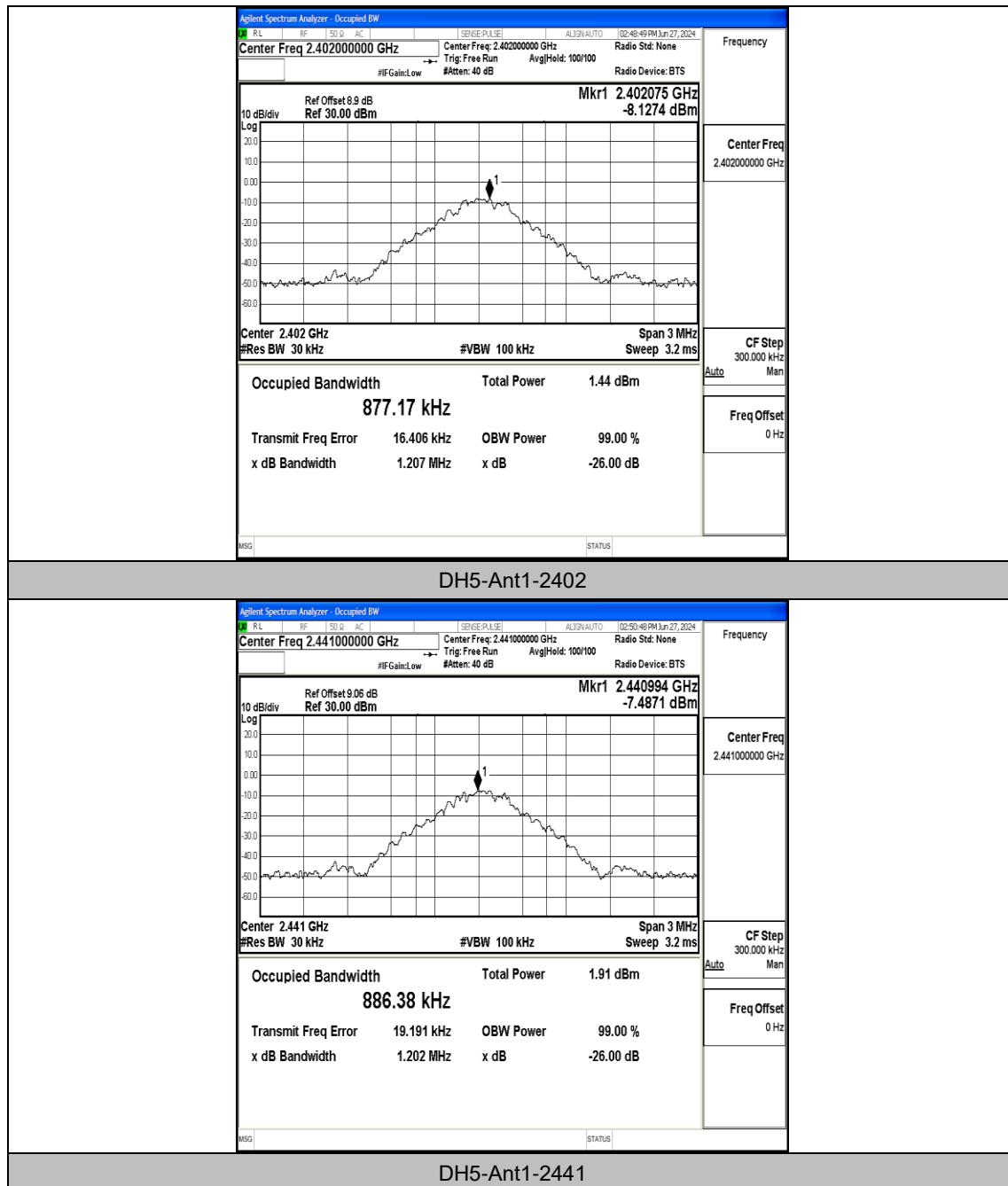


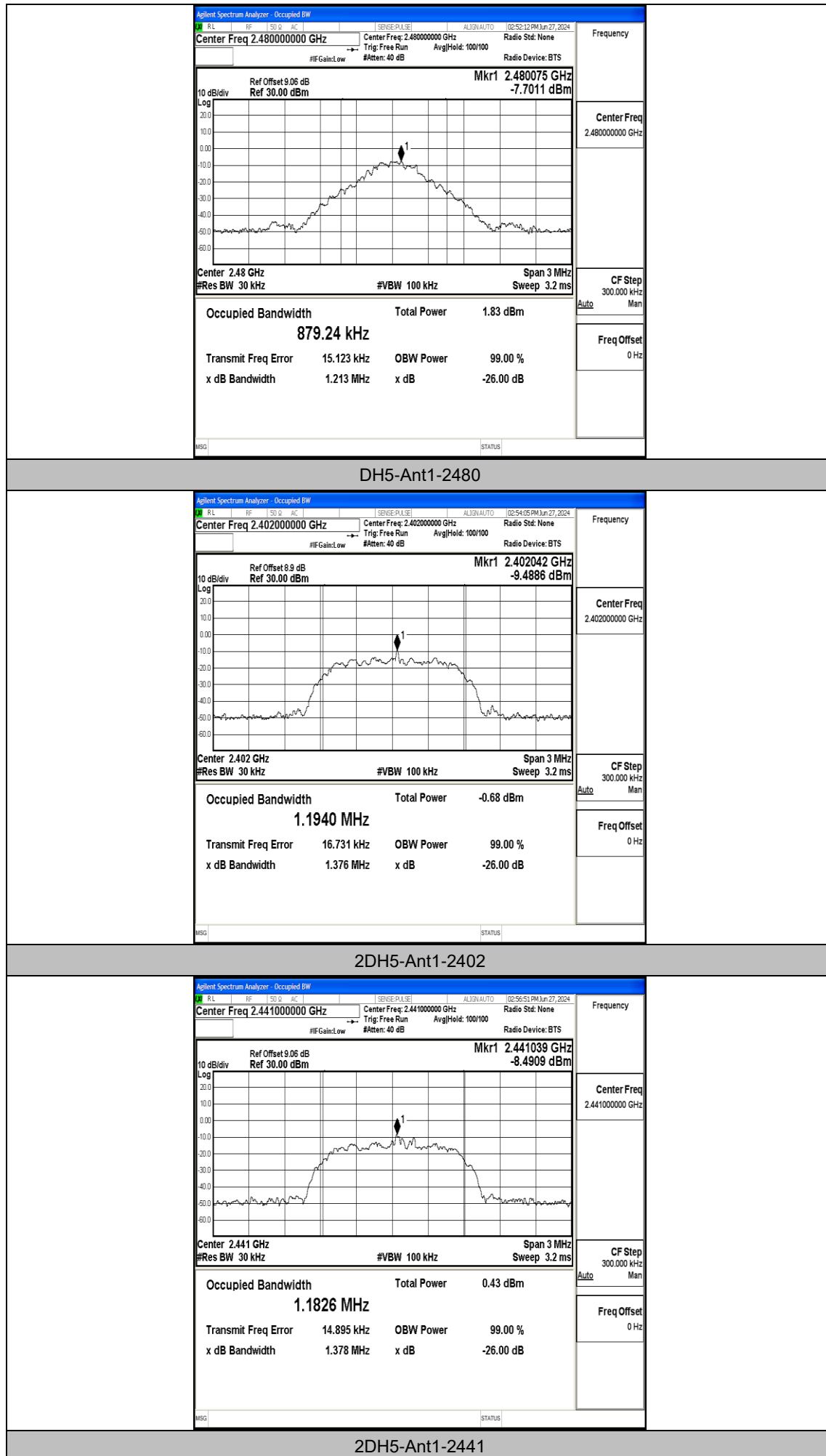
Appendix B: Occupied Channel Bandwidth

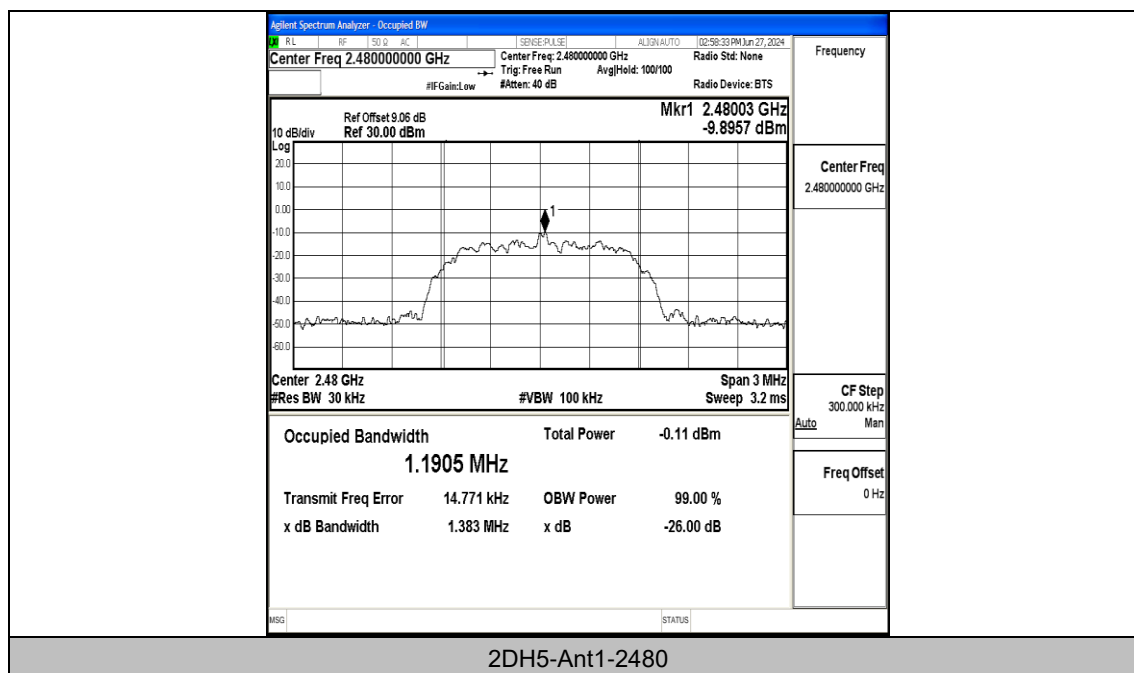
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87717	2401.5778	2402.4550	---	---
DH5	Ant1	2441	0.88638	2440.5760	2441.4624	---	---
DH5	Ant1	2480	0.87924	2479.5755	2480.4547	---	---
2DH5	Ant1	2402	1.1940	2401.4197	2402.6137	---	---
2DH5	Ant1	2441	1.1826	2440.4236	2441.6062	---	---
2DH5	Ant1	2480	1.1905	2479.4195	2480.6100	---	---

Test Graphs





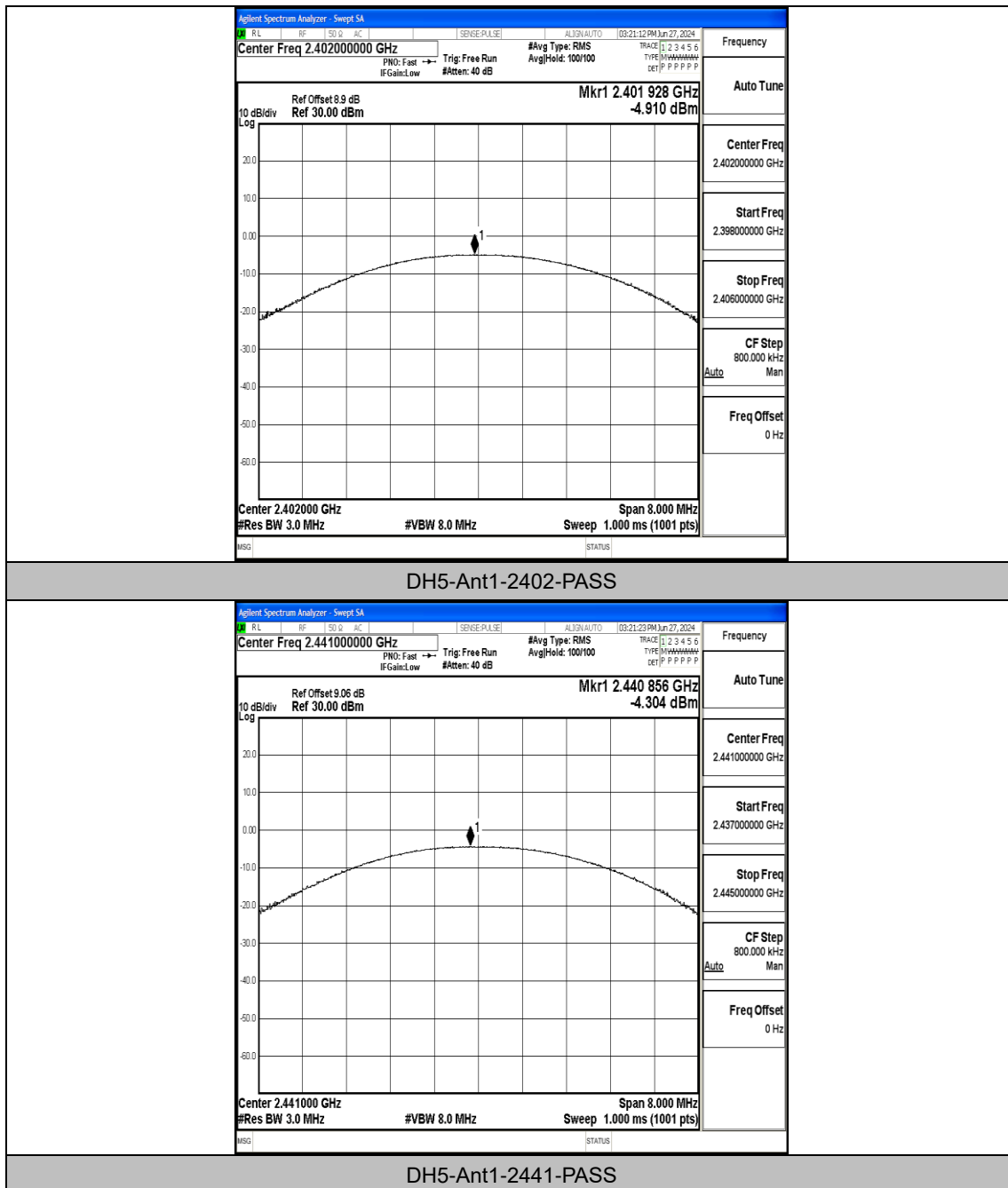


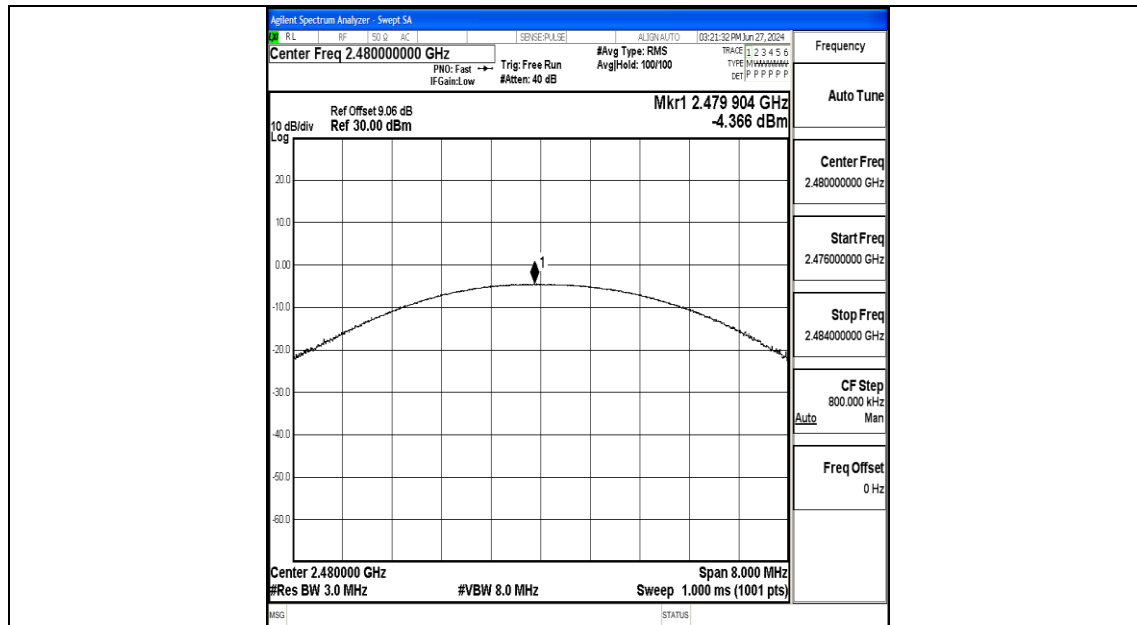
Appendix C: Maximum peak conducted output power

Test Result

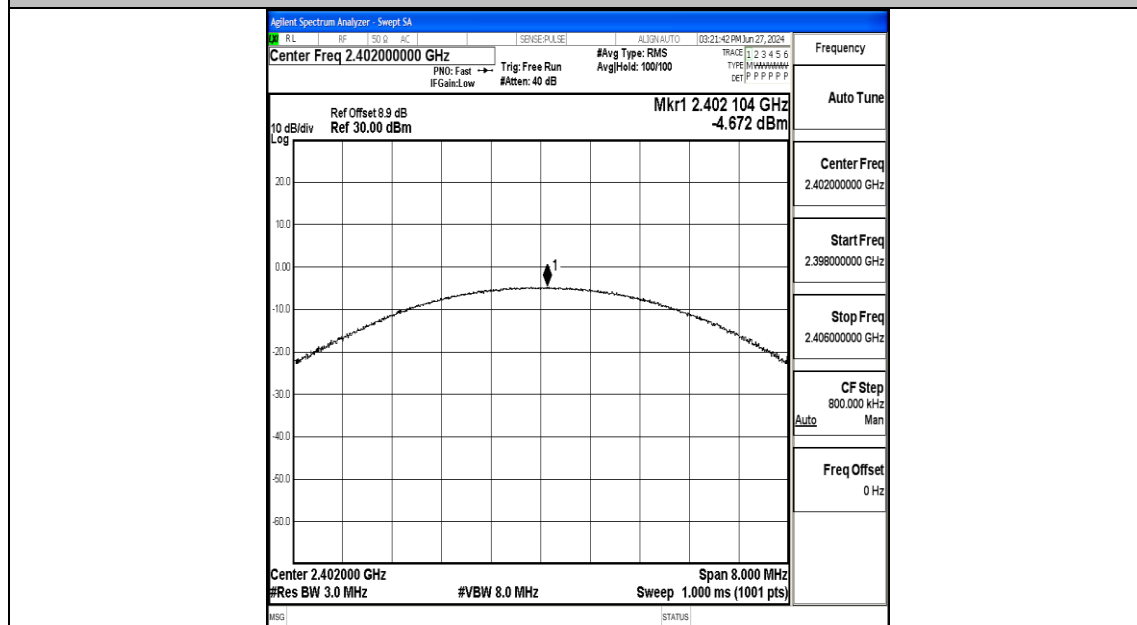
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-4.91	≤30	PASS
DH5	Ant1	2441	-4.30	≤30	PASS
DH5	Ant1	2480	-4.37	≤30	PASS
2DH5	Ant1	2402	-4.67	≤20.97	PASS
2DH5	Ant1	2441	-4.14	≤20.97	PASS
2DH5	Ant1	2480	-4.27	≤20.97	PASS

Test Graphs

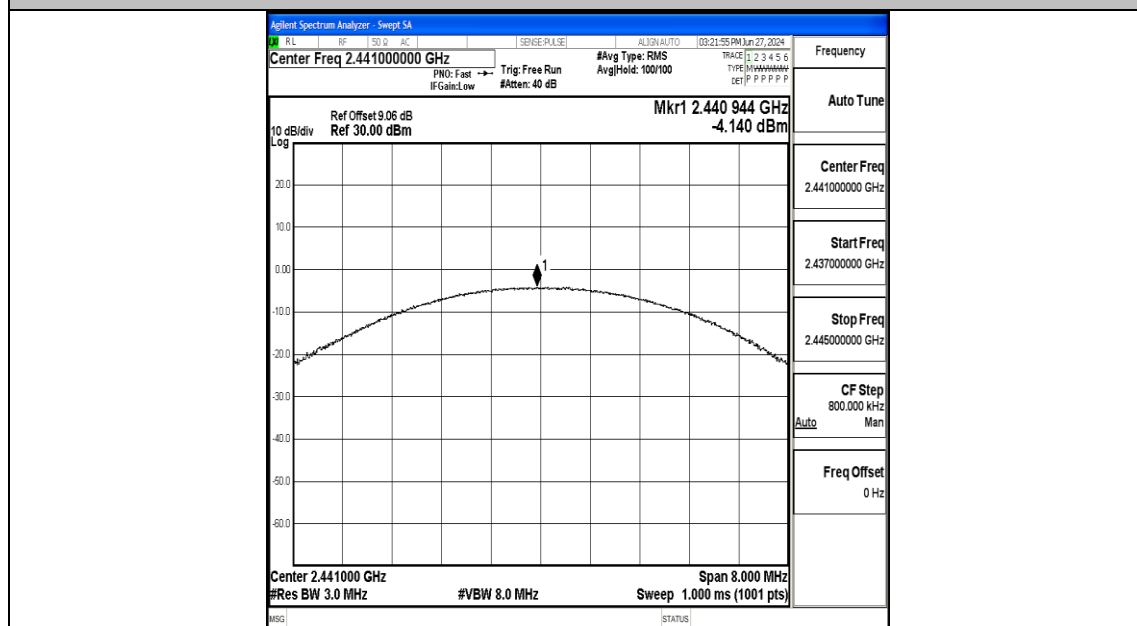




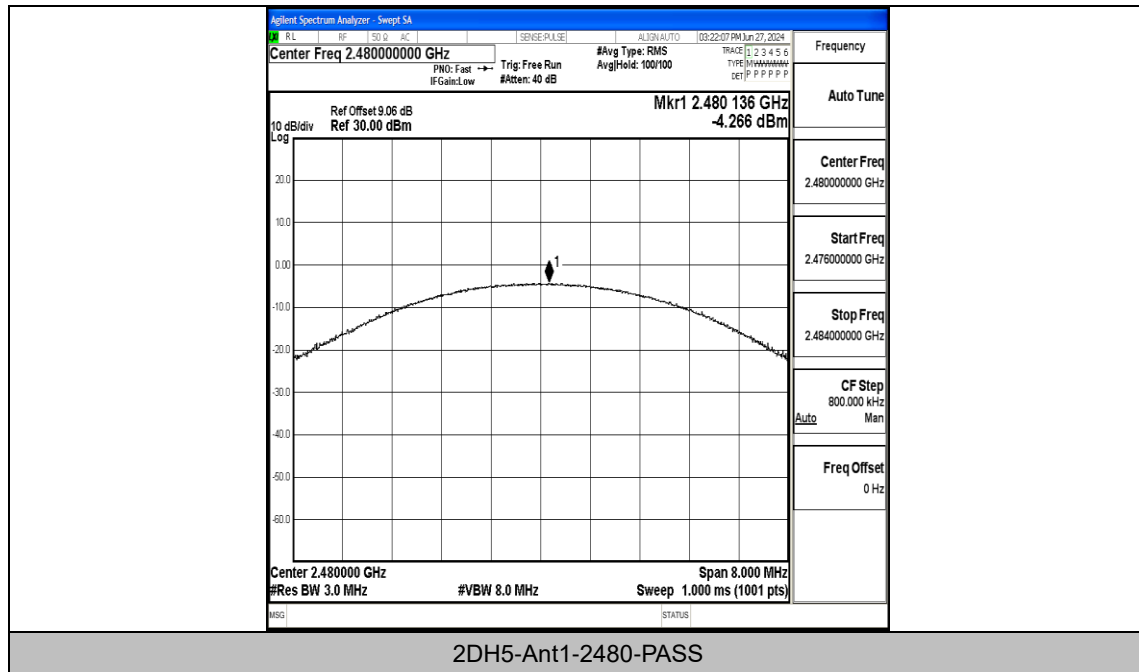
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

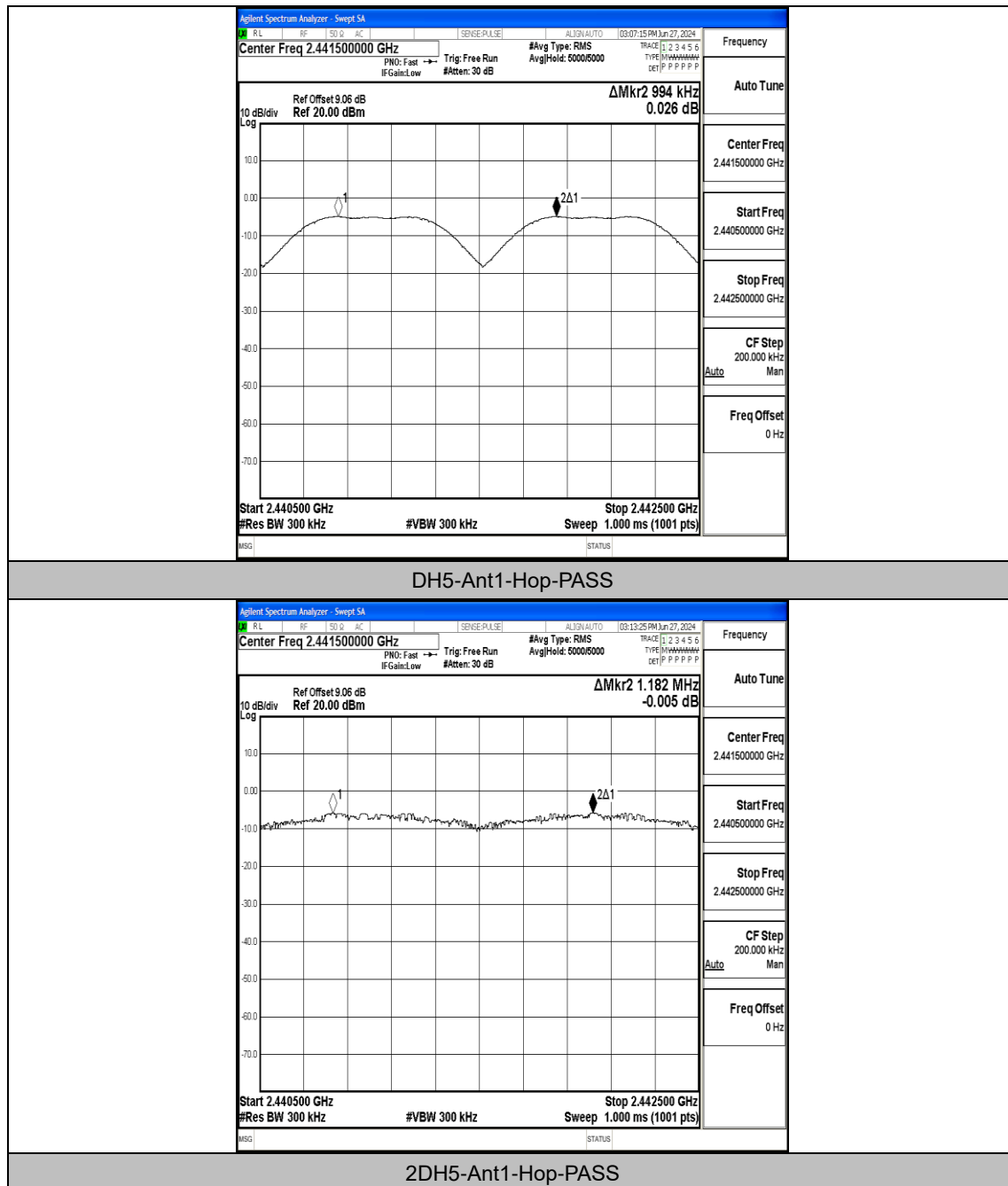


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥ 0.963	PASS
2DH5	Ant1	Hop	1.182	≥ 0.876	PASS

Test Graphs

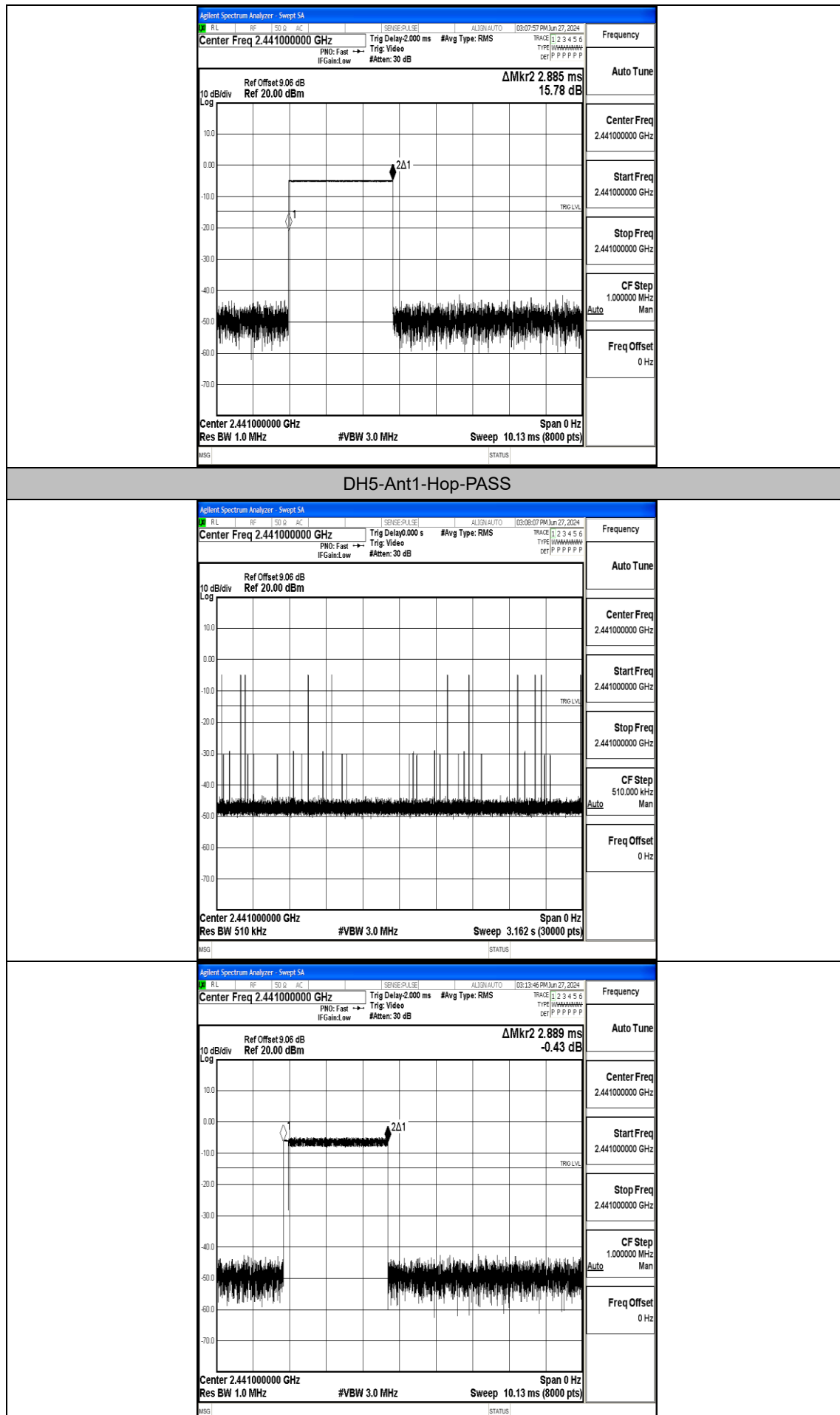


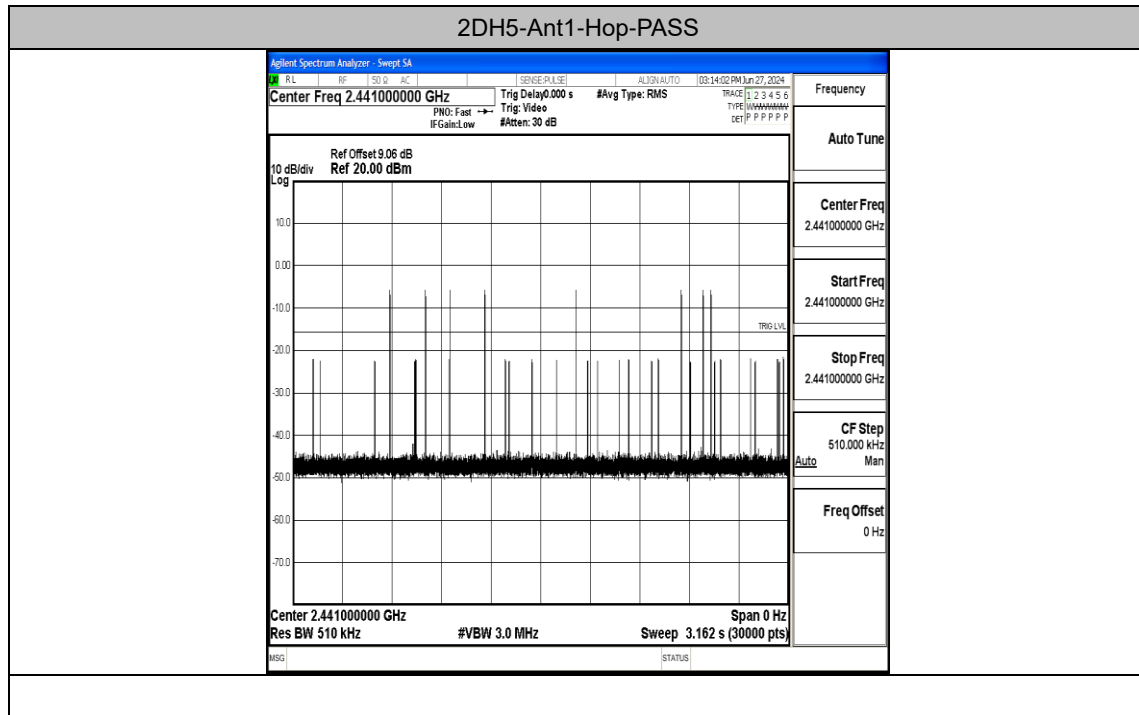
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	120	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.889	90	0.26	≤0.4	PASS

Test Graphs



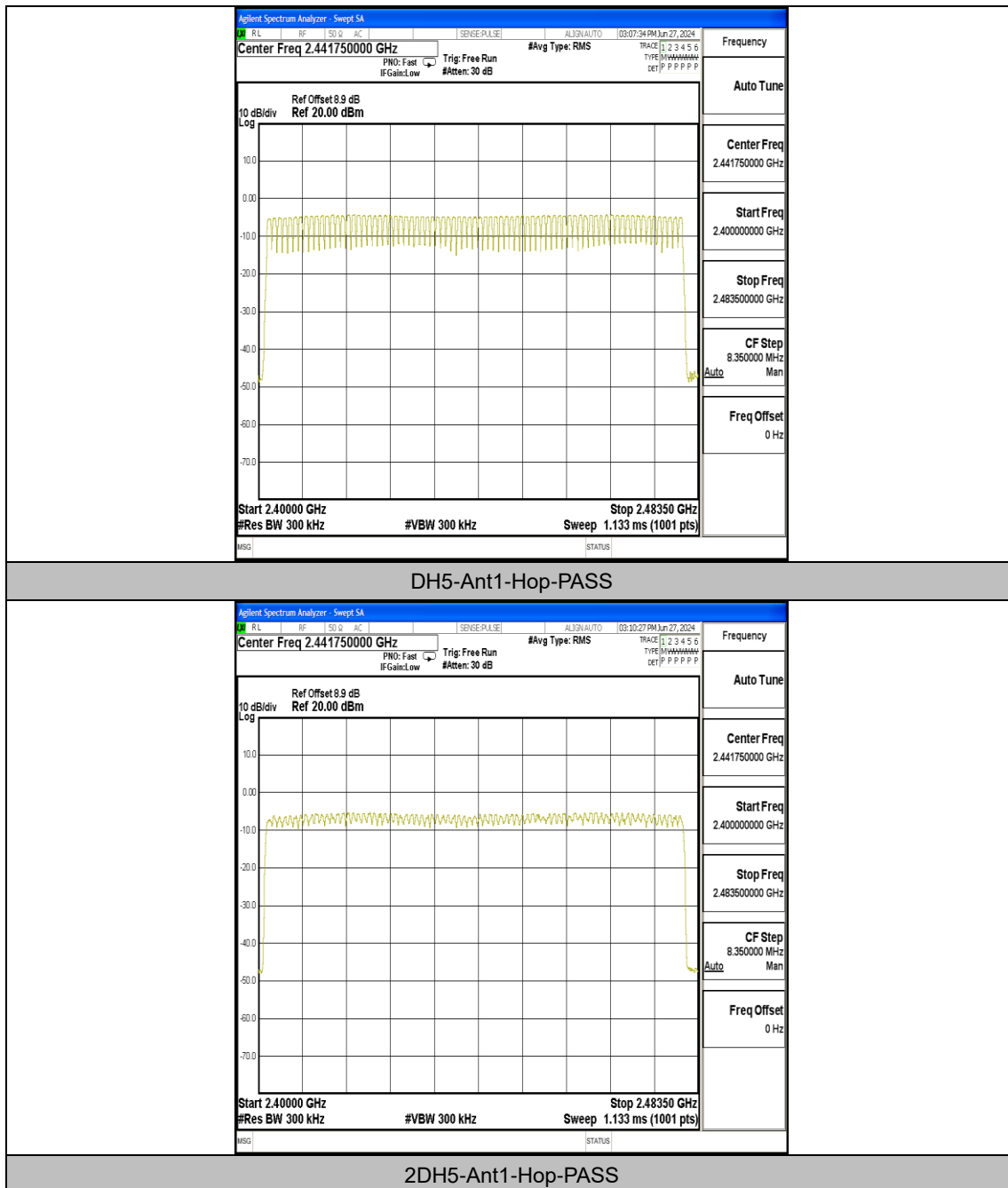


Appendix F: Number of hopping channels

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

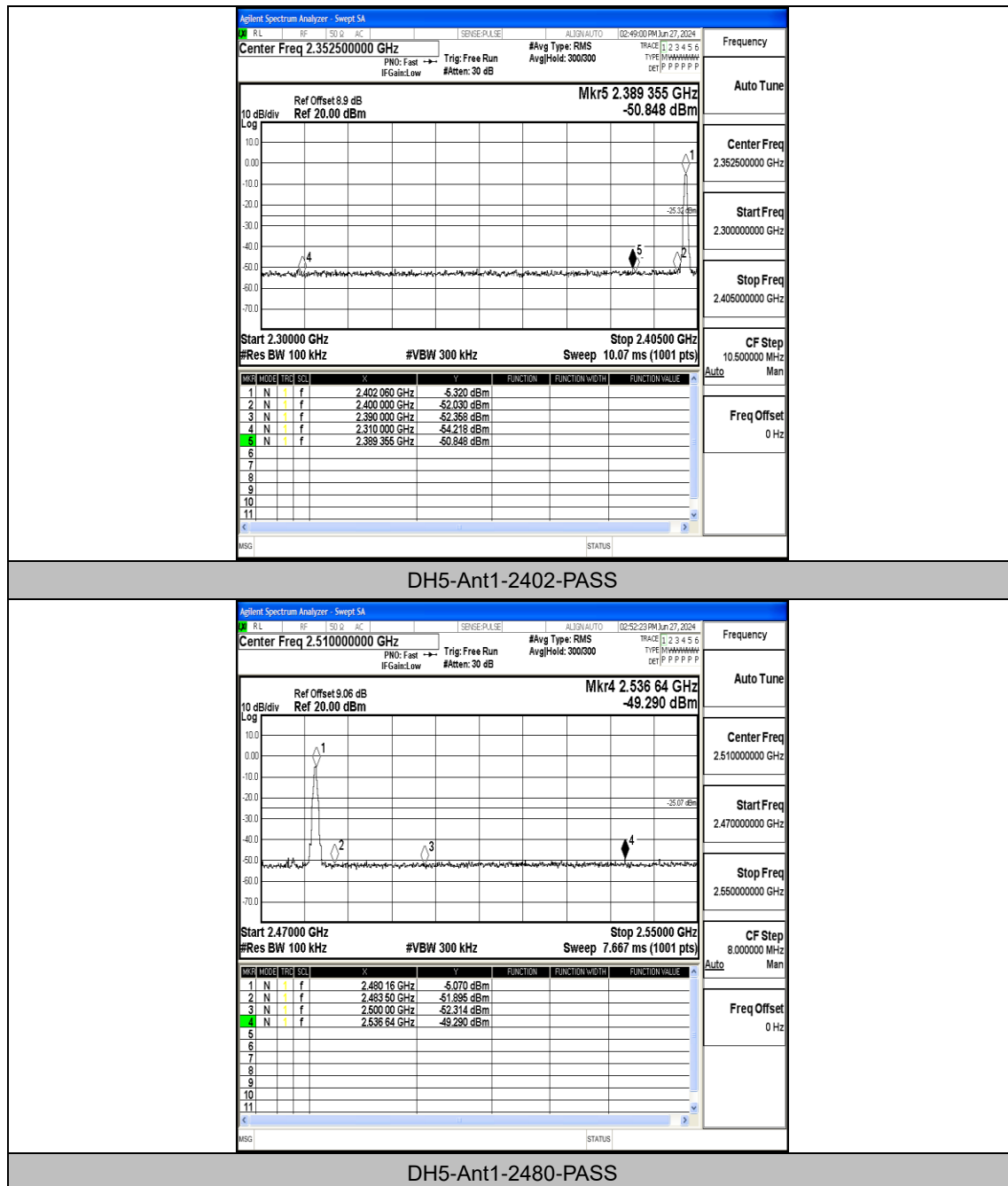


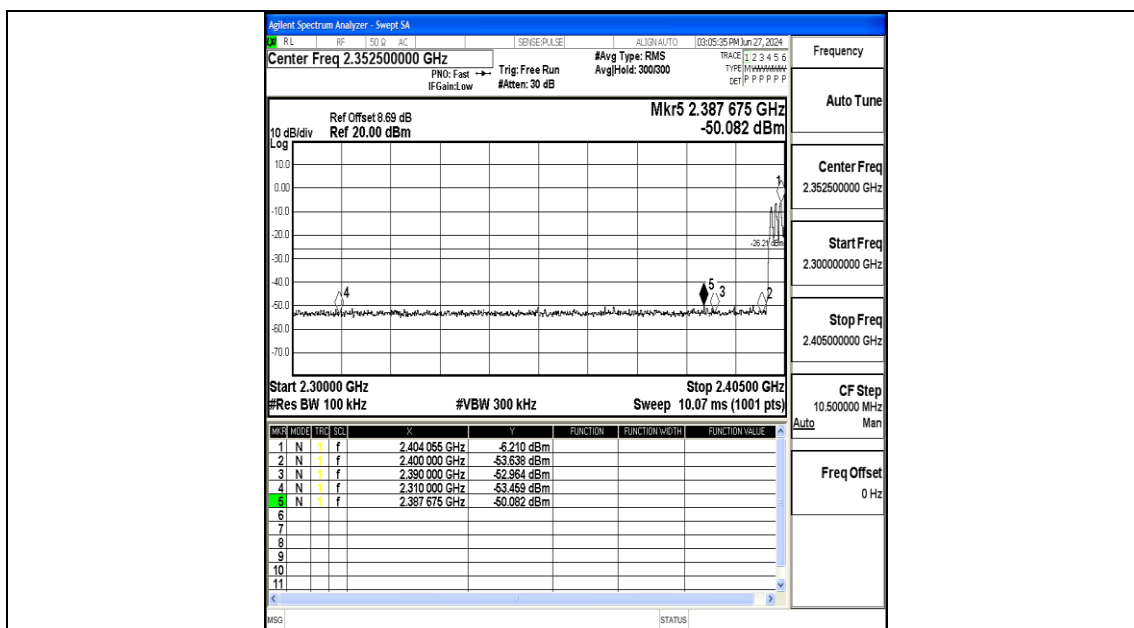
Appendix G: Band edge measurements

Test Result

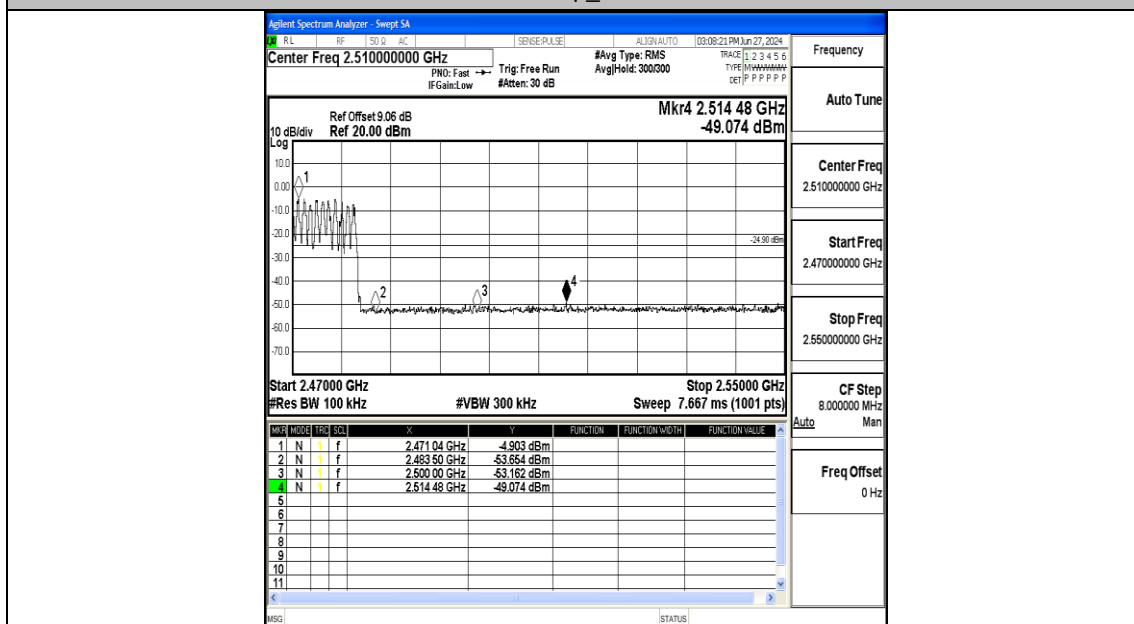
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-5.32	-50.85	≤-25.32	PASS
DH5	Ant1	High	2480	-5.07	-49.29	≤-25.07	PASS
DH5	Ant1	Low	Hop_2402	-6.21	-50.08	≤-26.21	PASS
DH5	Ant1	High	Hop_2480	-4.90	-49.07	≤-24.9	PASS
2DH5	Ant1	Low	2402	-6.97	-50.26	≤-26.97	PASS
2DH5	Ant1	High	2480	-6.28	-48.63	≤-26.28	PASS
2DH5	Ant1	Low	Hop_2402	-9.82	-50.88	≤-29.82	PASS
2DH5	Ant1	High	Hop_2480	-9.17	-48.79	≤-29.17	PASS

Test Graphs

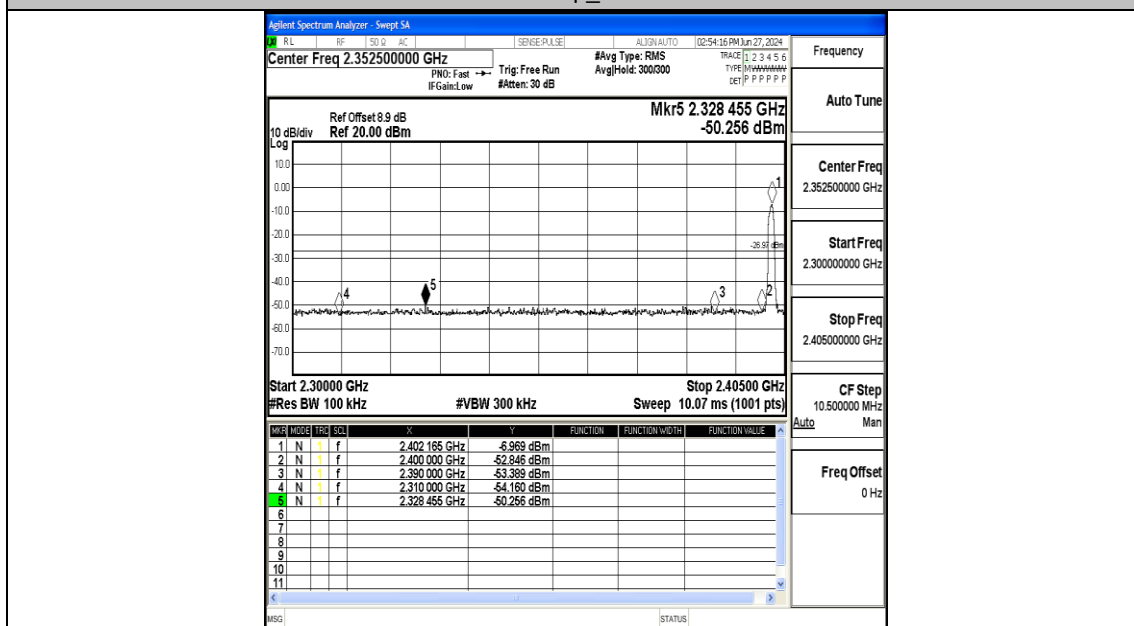




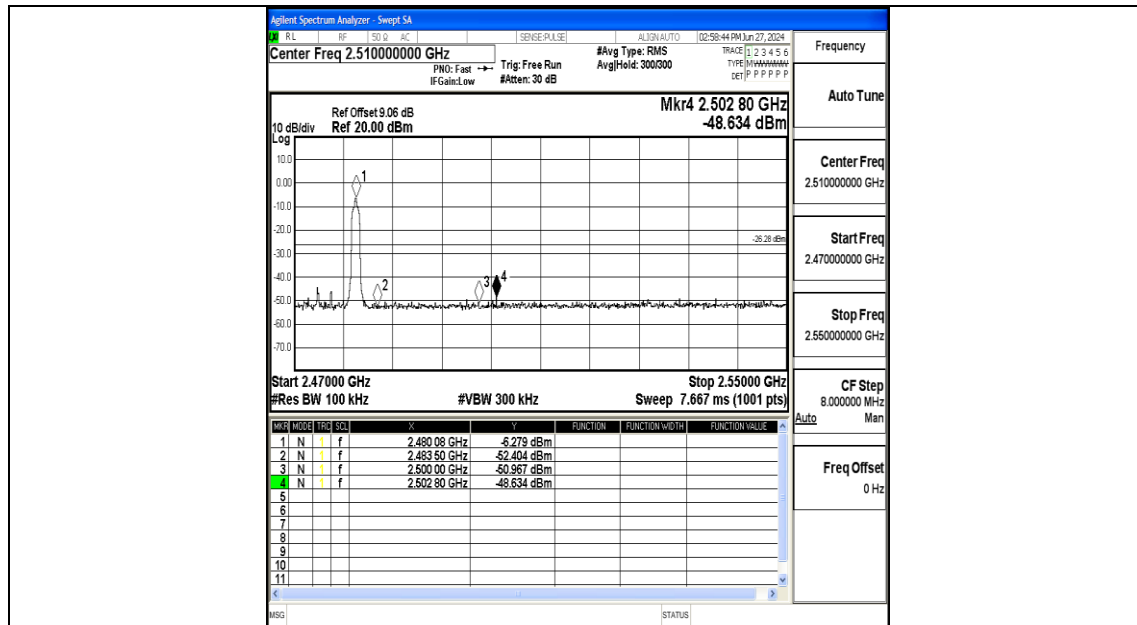
DH5-Ant1-Hop_2402-PASS



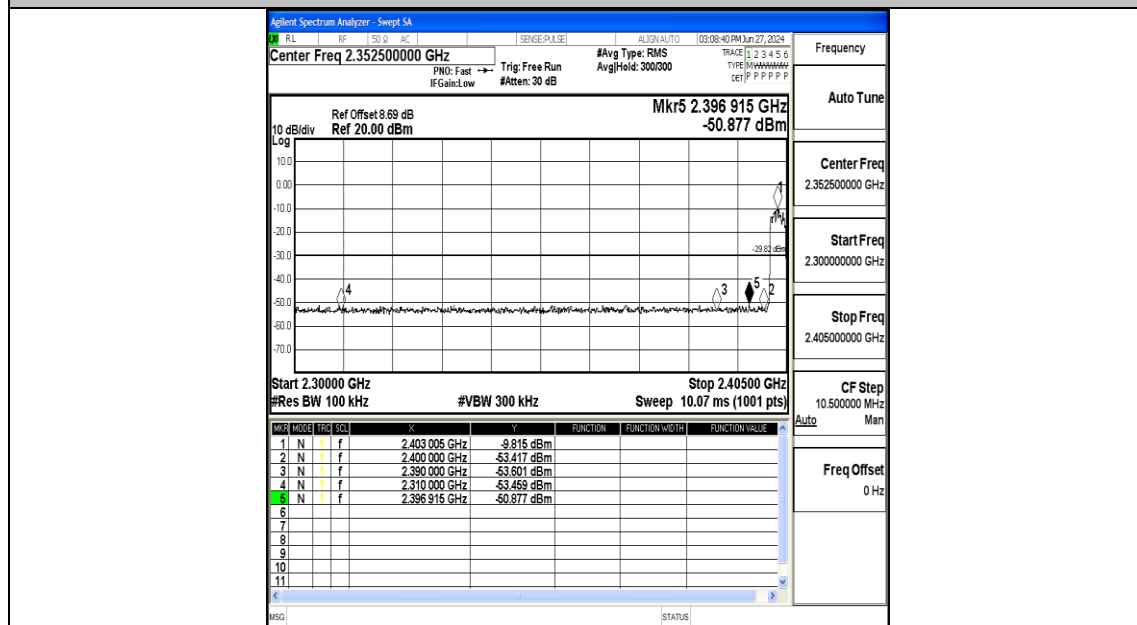
DH5-Ant1-Hop_2480-PASS



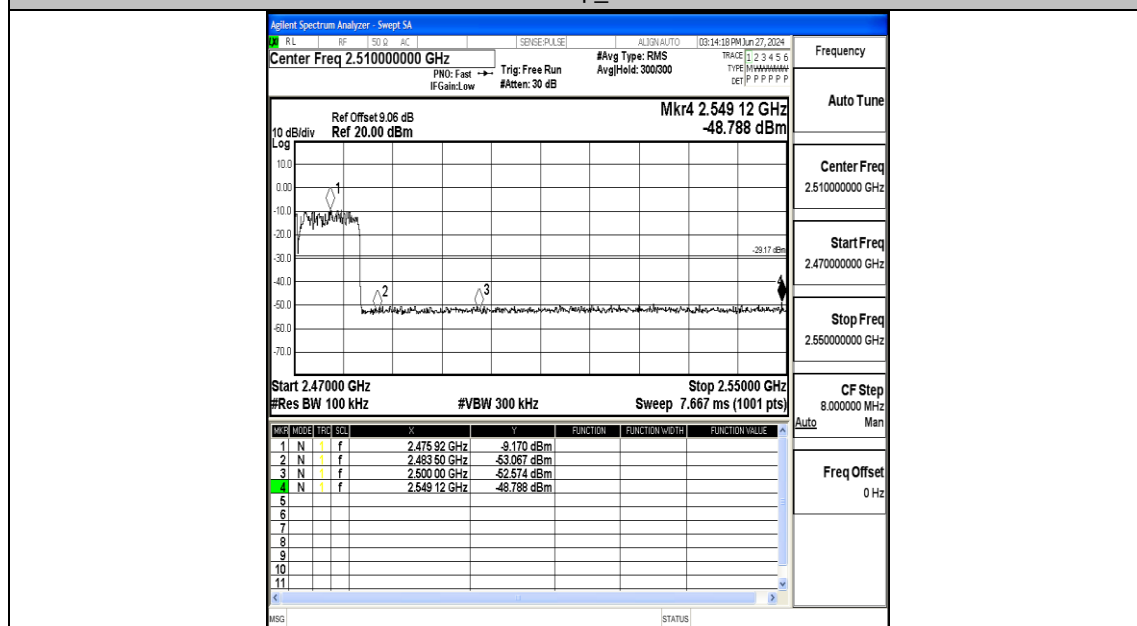
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



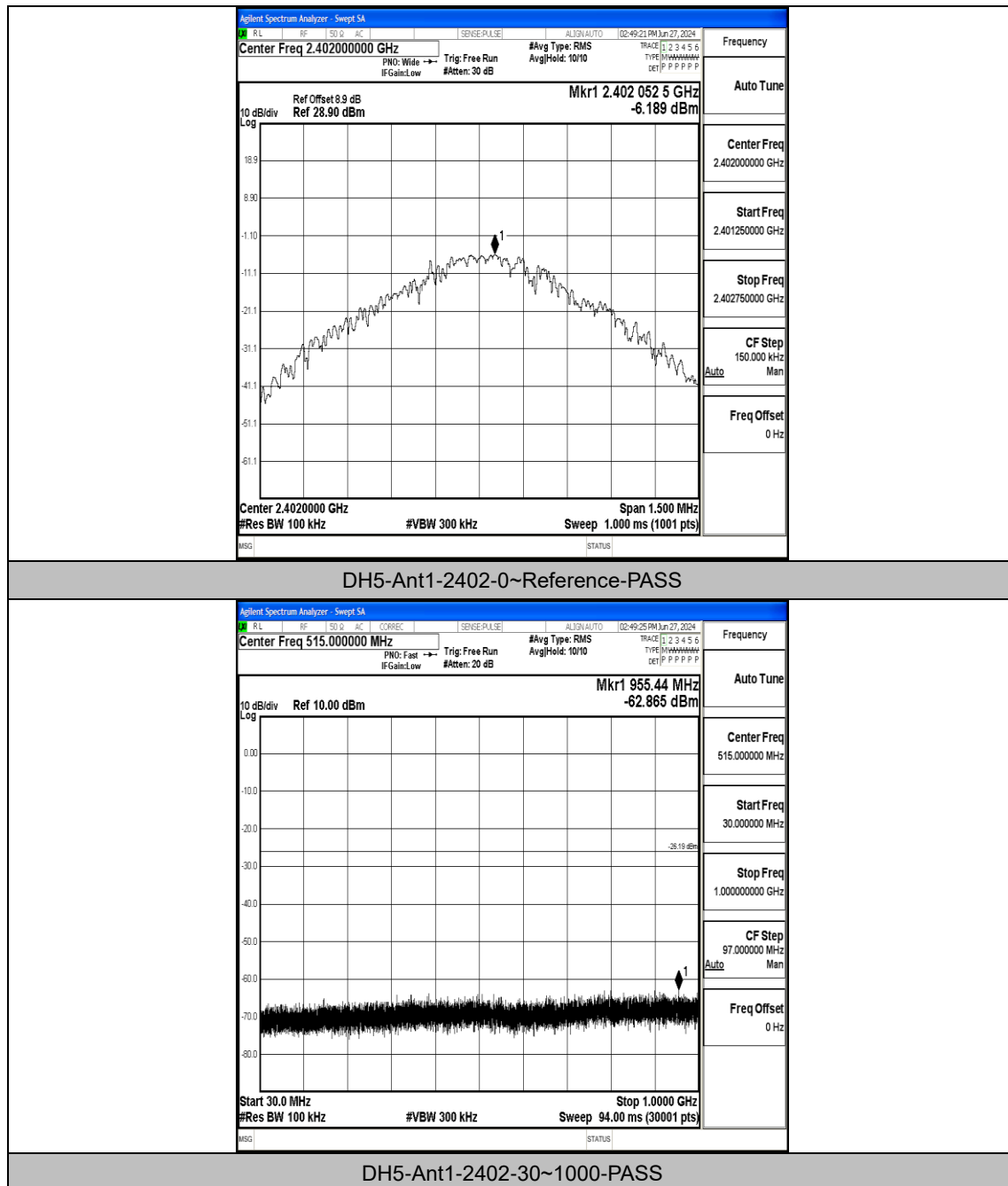
2DH5-Ant1-Hop_2480-PASS

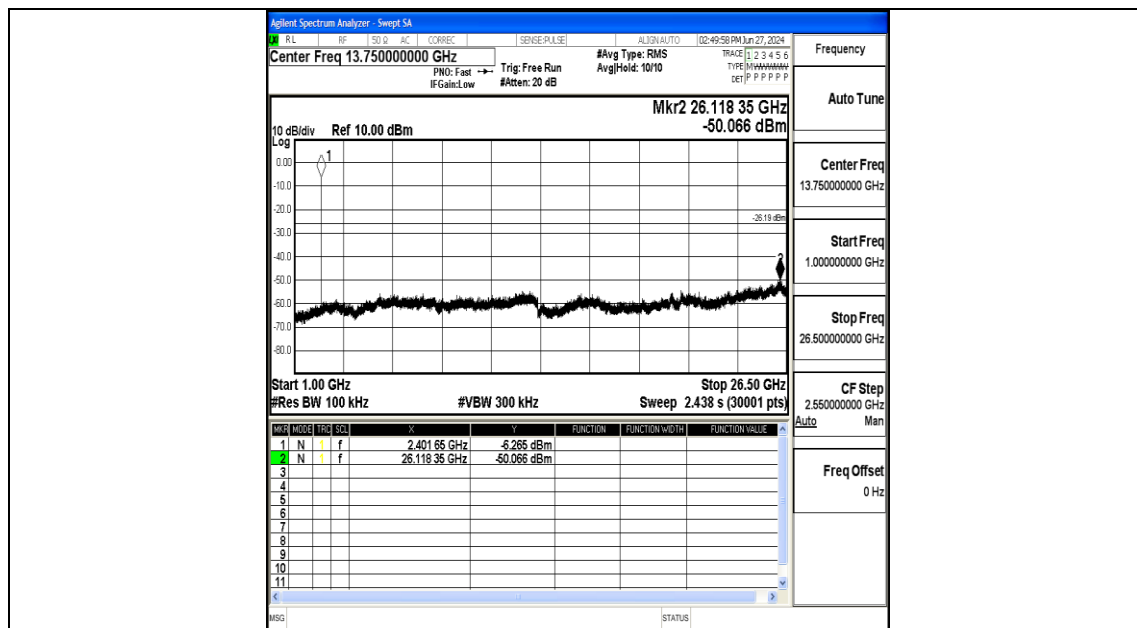
Appendix H: Conducted Spurious Emission

Test Result

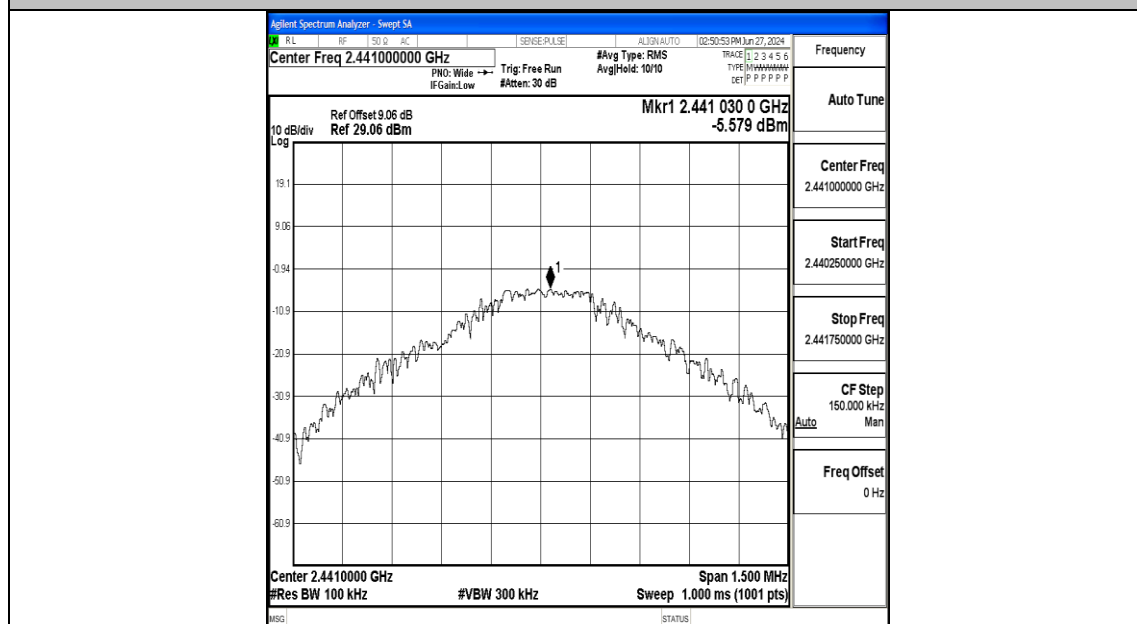
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-6.19	-6.19	---	PASS
DH5	Ant1	2402	30~1000	-6.19	-62.87	≤-26.19	PASS
DH5	Ant1	2402	1000~26500	-6.19	-50.07	≤-26.19	PASS
DH5	Ant1	2441	0~Reference	-5.58	-5.58	---	PASS
DH5	Ant1	2441	30~1000	-5.58	-62.55	≤-25.58	PASS
DH5	Ant1	2441	1000~26500	-5.58	-50.22	≤-25.58	PASS
DH5	Ant1	2480	0~Reference	-5.64	-5.64	---	PASS
DH5	Ant1	2480	30~1000	-5.64	-62.26	≤-25.64	PASS
DH5	Ant1	2480	1000~26500	-5.64	-50.53	≤-25.64	PASS
2DH5	Ant1	2402	0~Reference	-6.74	-6.74	---	PASS
2DH5	Ant1	2402	30~1000	-6.74	-62.7	≤-26.74	PASS
2DH5	Ant1	2402	1000~26500	-6.74	-49.91	≤-26.74	PASS
2DH5	Ant1	2441	0~Reference	-9.54	-9.54	---	PASS
2DH5	Ant1	2441	30~1000	-9.54	-62.86	≤-29.54	PASS
2DH5	Ant1	2441	1000~26500	-9.54	-50.59	≤-29.54	PASS
2DH5	Ant1	2480	0~Reference	-8.67	-8.67	---	PASS
2DH5	Ant1	2480	30~1000	-8.67	-62.57	≤-28.67	PASS
2DH5	Ant1	2480	1000~26500	-8.67	-50	≤-28.67	PASS

Test Graphs

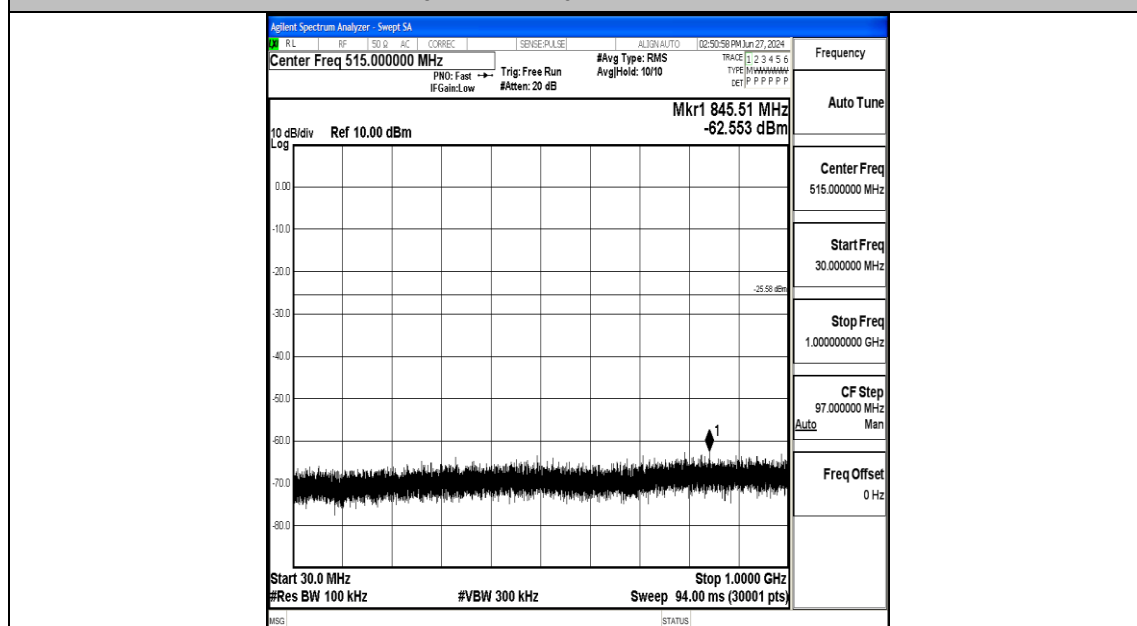




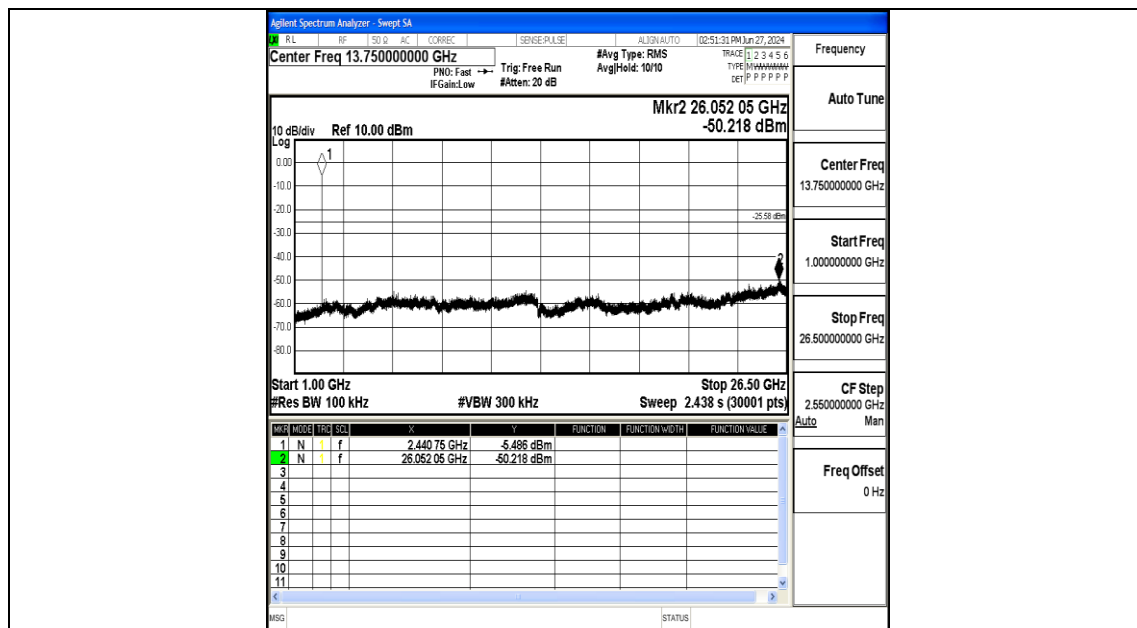
DH5-Ant1-2402-1000~26500-PASS



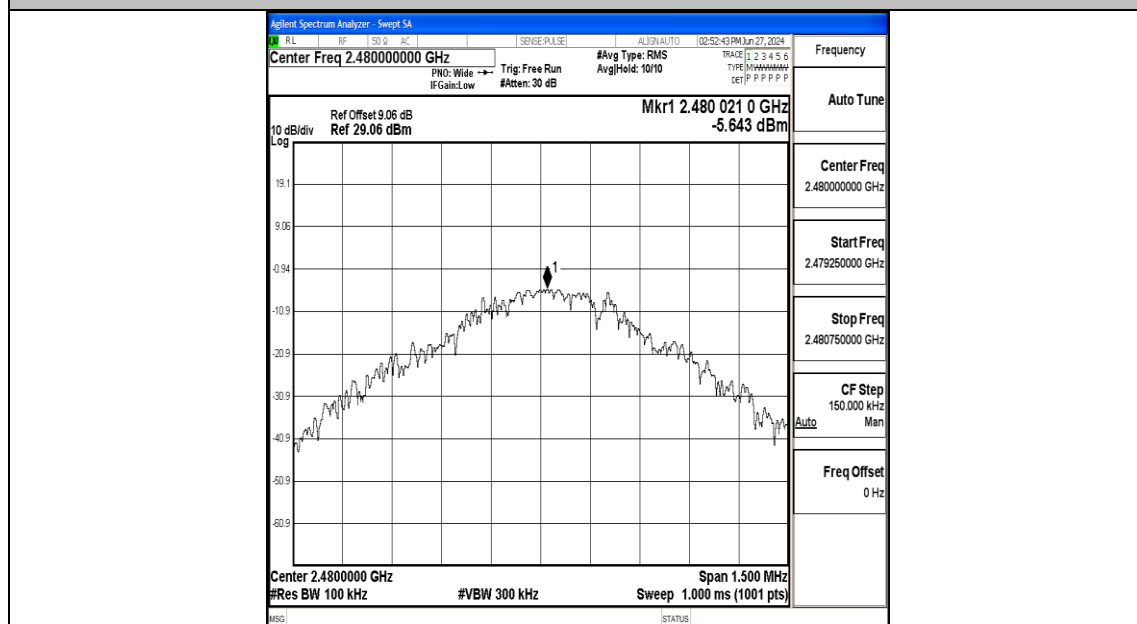
DH5-Ant1-2441-0~Reference-PASS



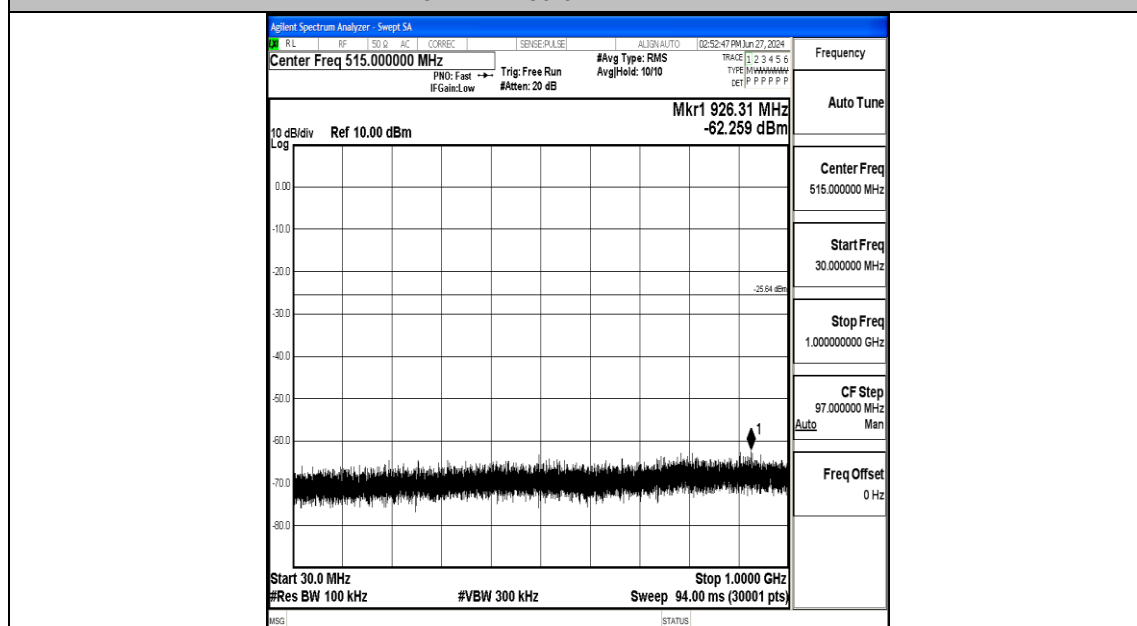
DH5-Ant1-2441-30~1000-PASS



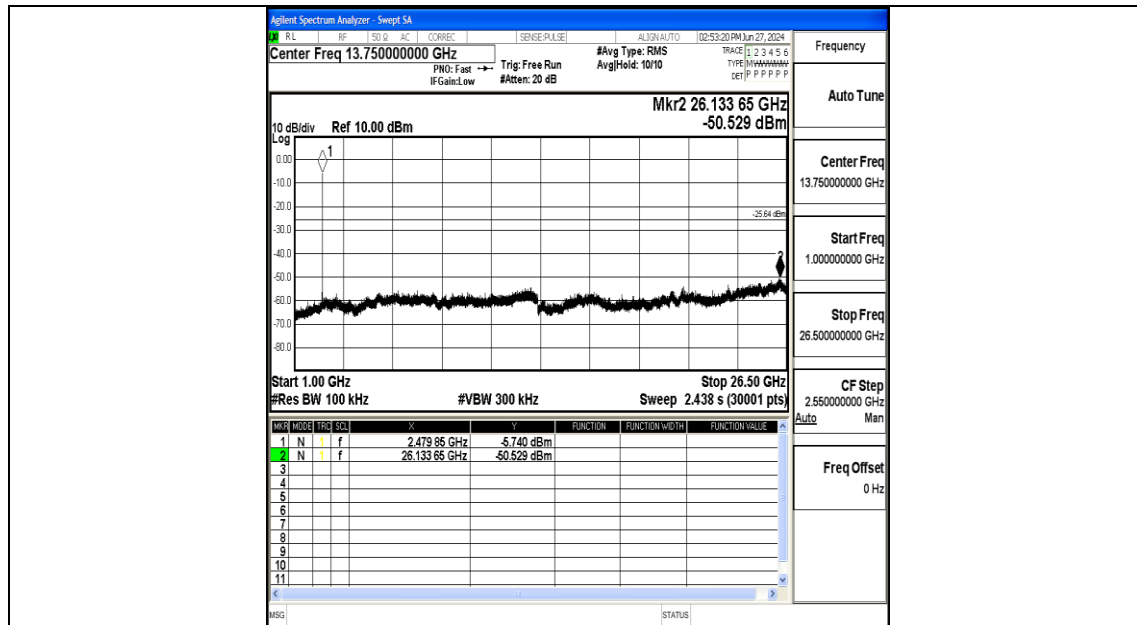
DH5-Ant1-2441-1000~26500-PASS



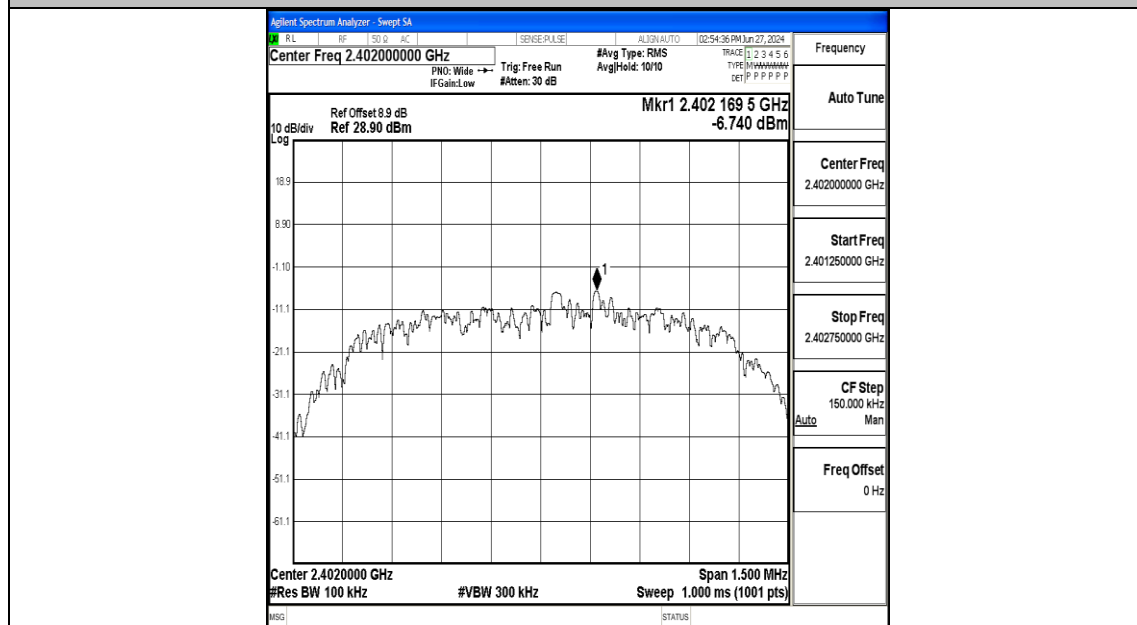
DH5-Ant1-2480-0~Reference-PASS



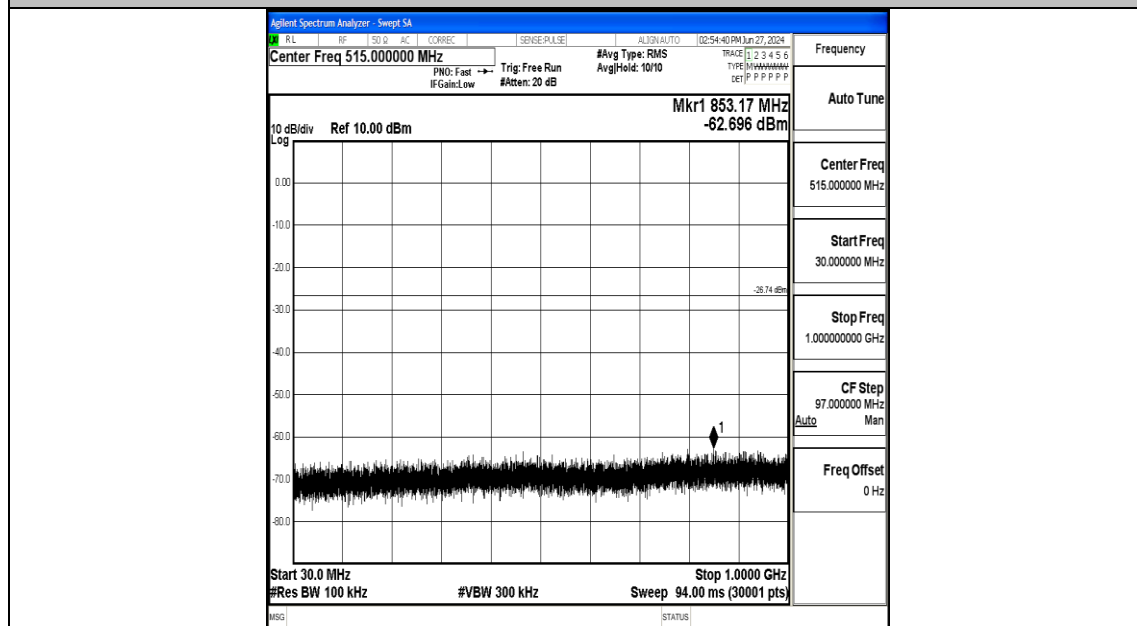
DH5-Ant1-2480-30~1000-PASS



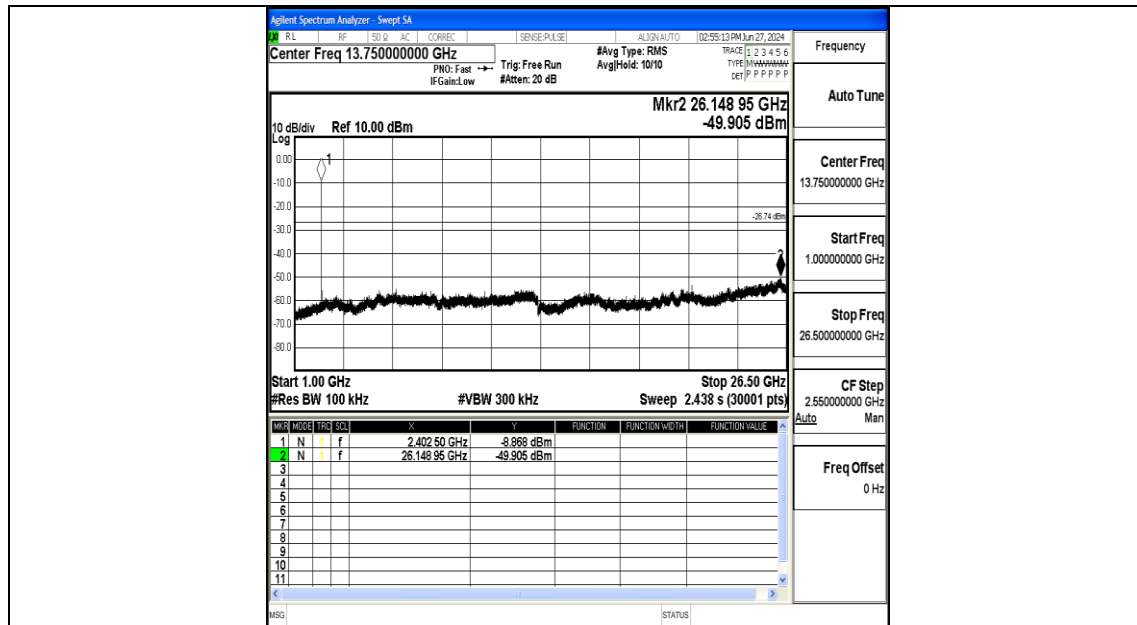
DH5-Ant1-2480-1000~26500-PASS



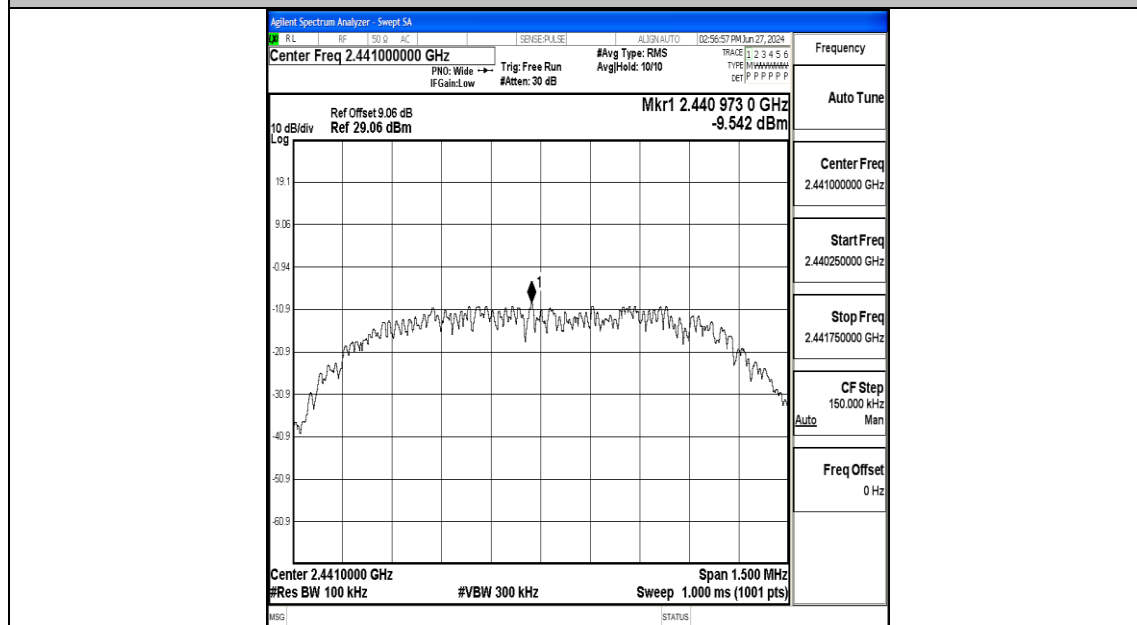
2DH5-Ant1-2402-0~Reference-PASS



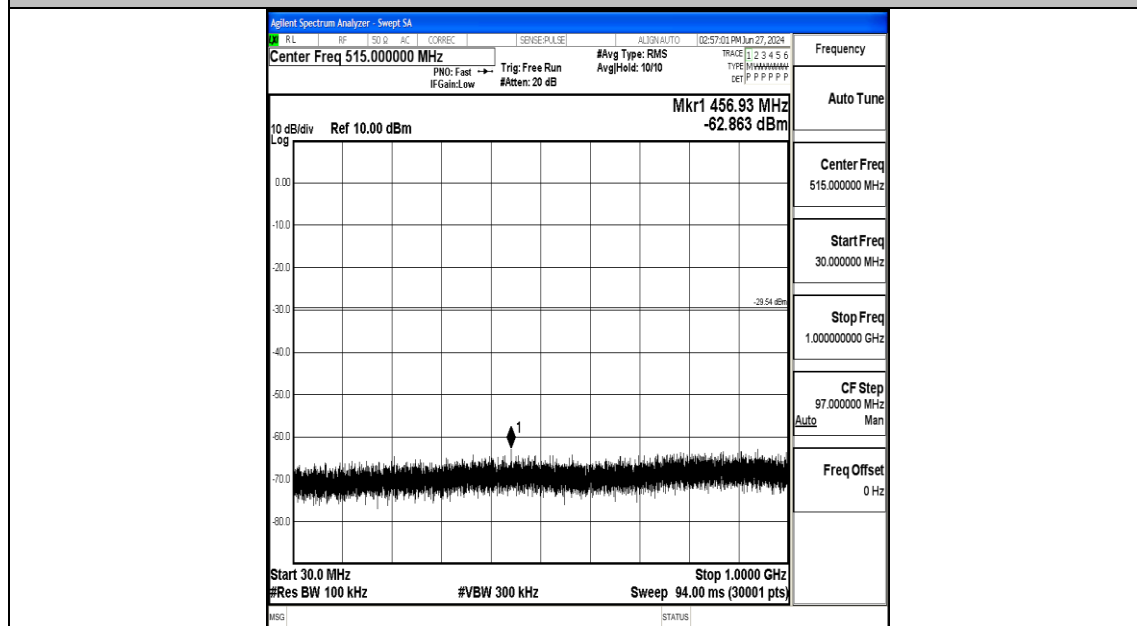
2DH5-Ant1-2402-30~1000-PASS



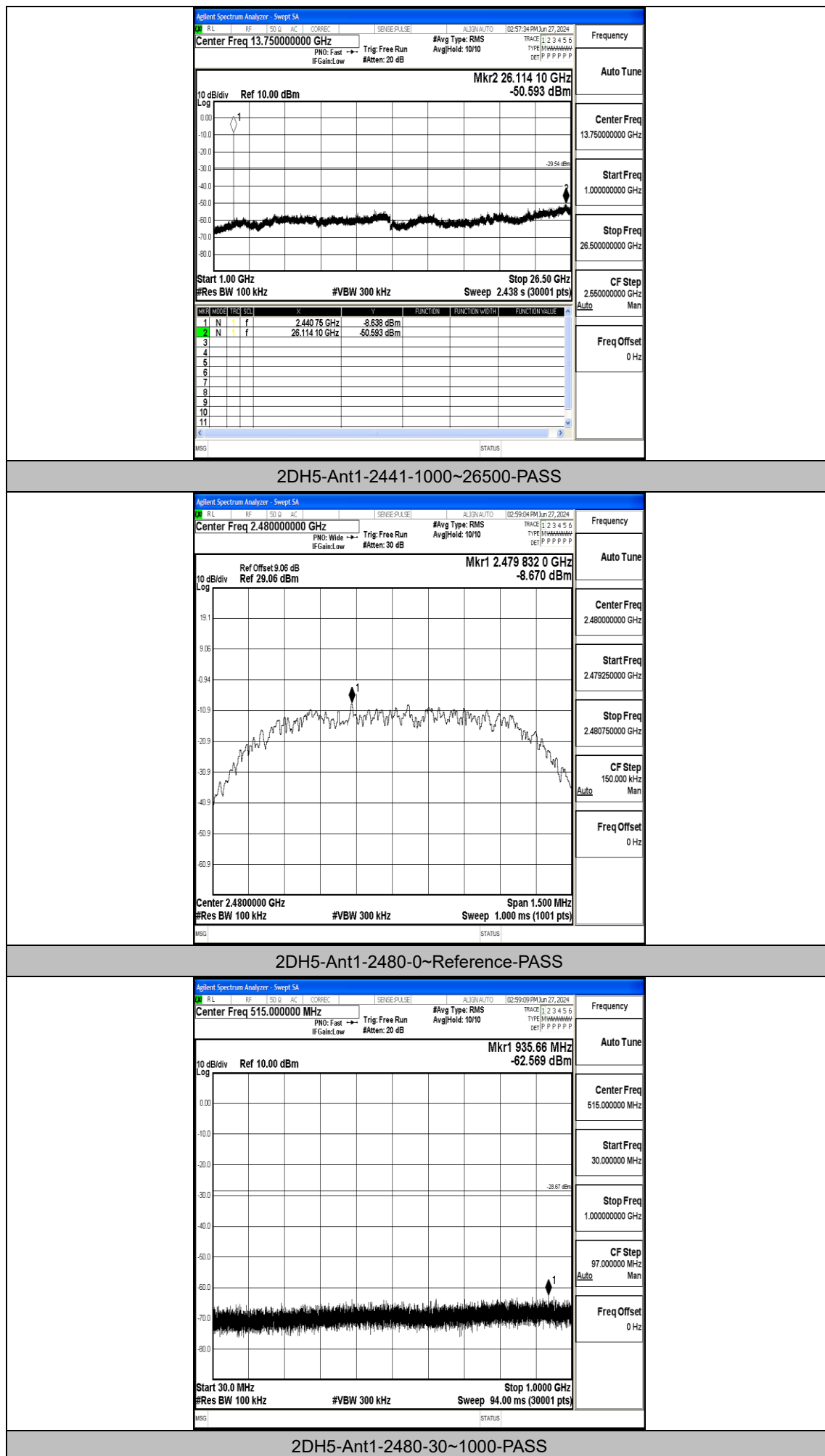
2DH5-Ant1-2402-1000~26500-PASS

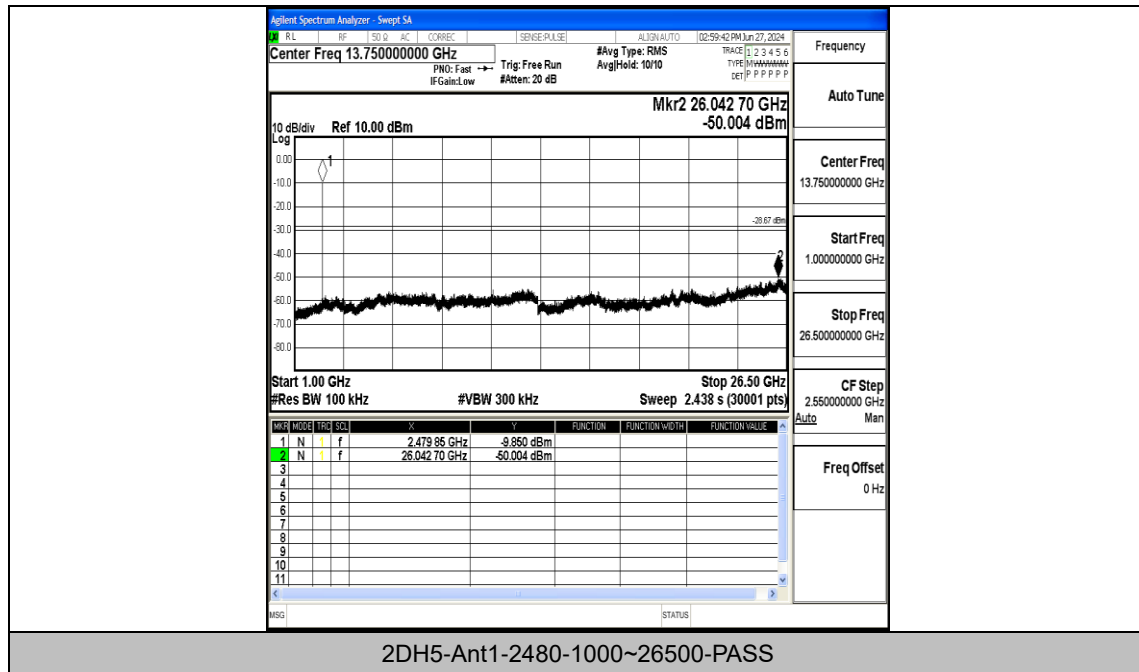


2DH5-Ant1-2441-0~Reference-PASS



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





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	2.88	3.72	77.42	1.11
DH5	Ant1	2480	2.88	3.73	77.21	1.12
2DH5	Ant1	2402	2.89	3.73	77.48	1.11
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.89	3.73	77.48	1.11

Test Graphs

