

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

Product Name: bone conduction bluetooth headset

Trade Mark: aigo

Test Model: G03

FCC ID: 2ASNB-G03

Environmental Conditions

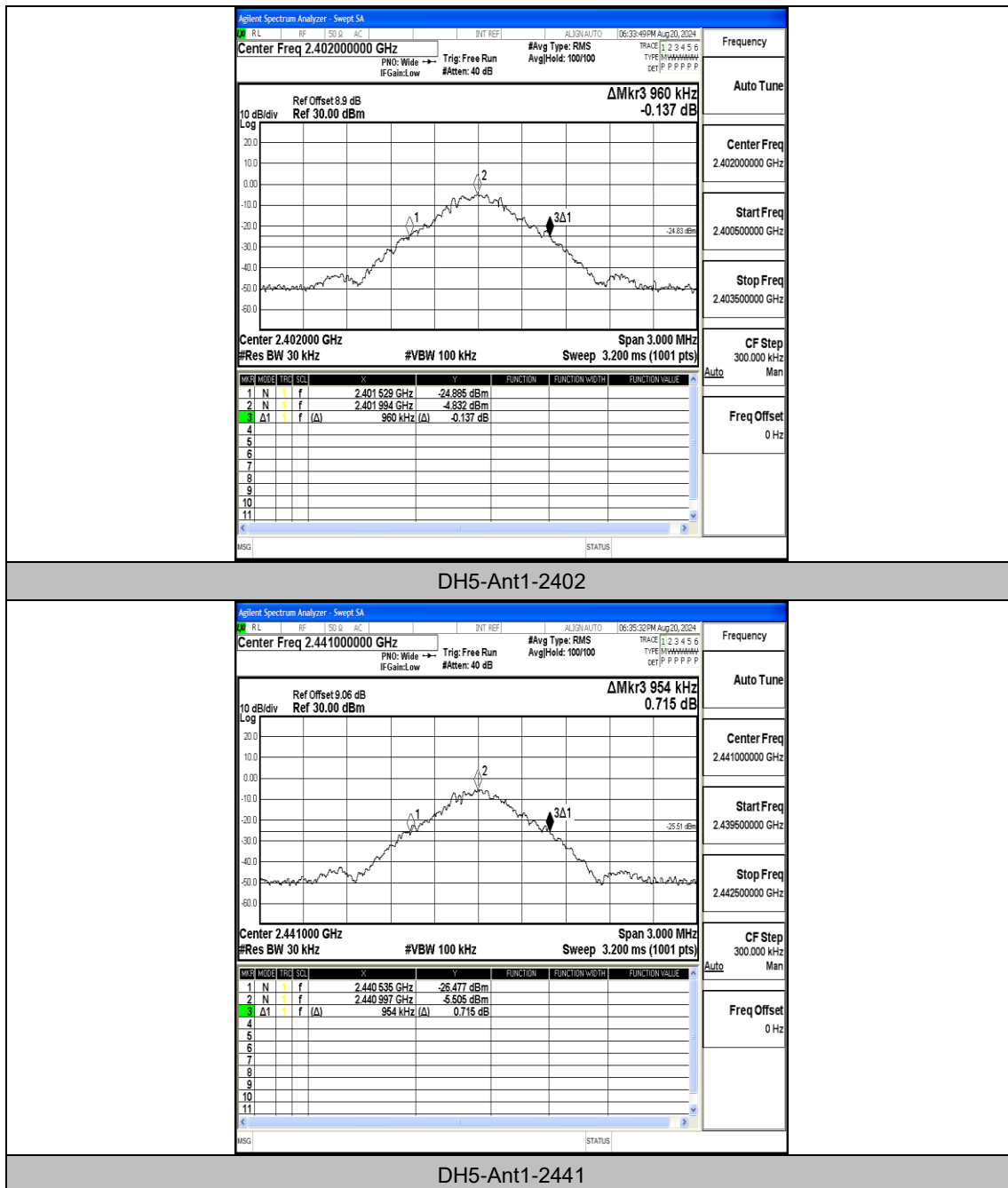
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

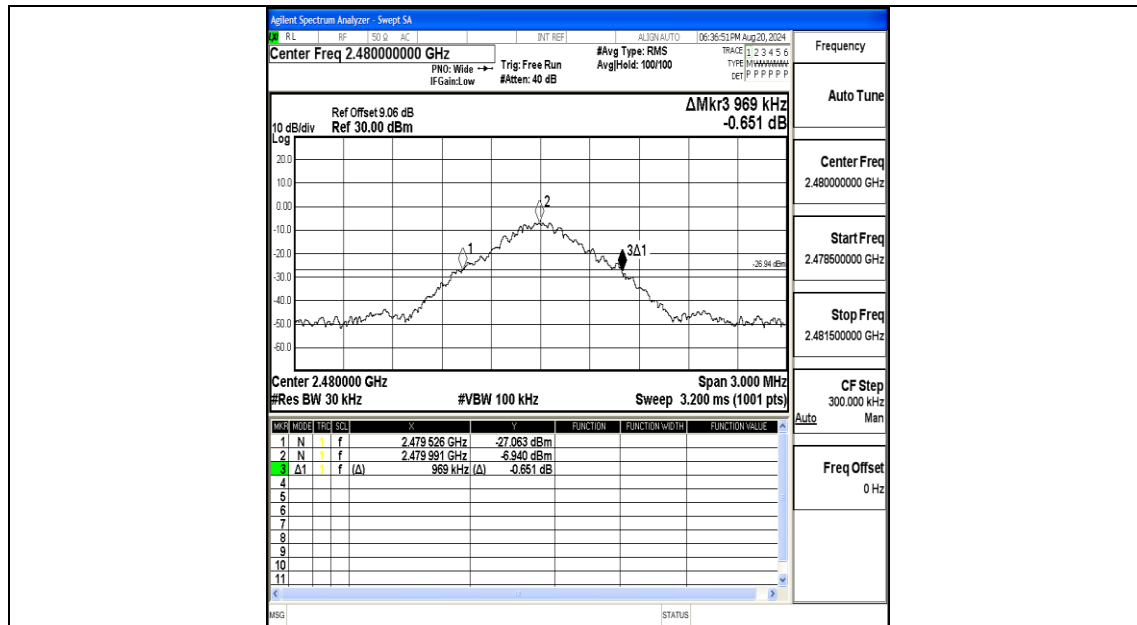
Appendix A: 20dB Emission Bandwidth

Test Result

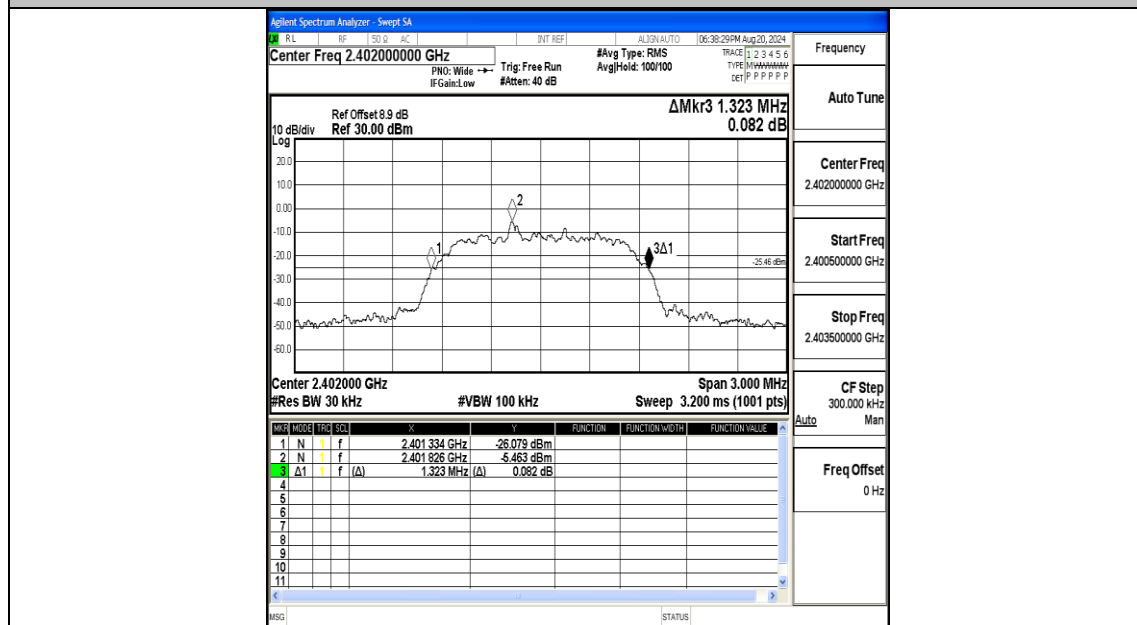
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.529	2402.489	---	---
DH5	Ant1	2441	0.954	2440.535	2441.489	---	---
DH5	Ant1	2480	0.969	2479.526	2480.495	---	---
2DH5	Ant1	2402	1.323	2401.334	2402.657	---	---
2DH5	Ant1	2441	1.305	2440.349	2441.654	---	---
2DH5	Ant1	2480	1.323	2479.337	2480.660	---	---

Test Graphs

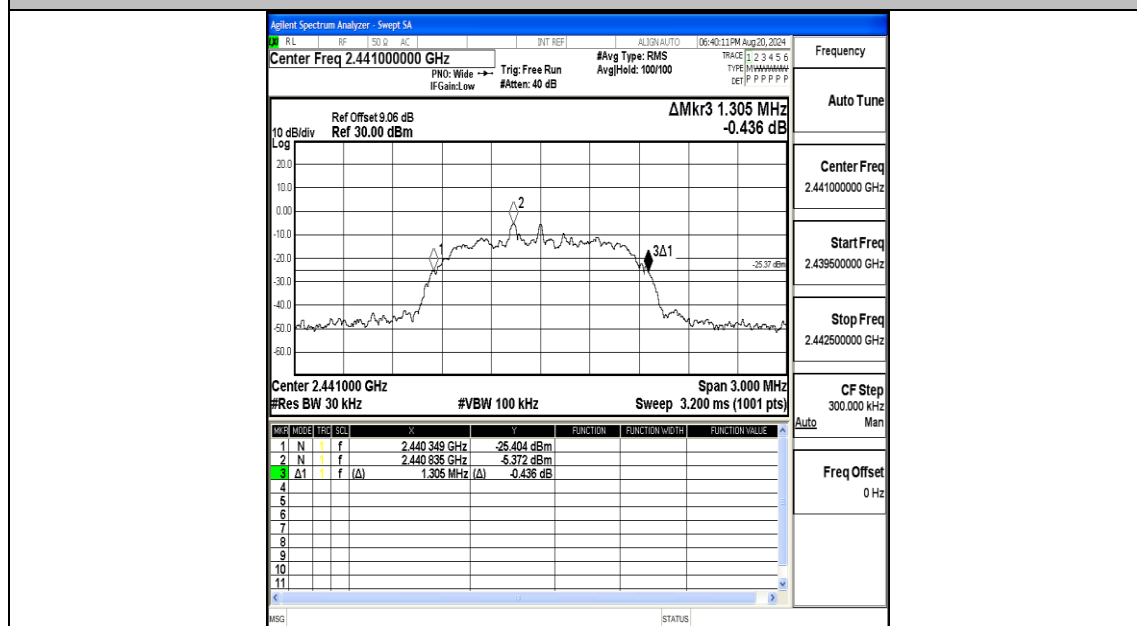




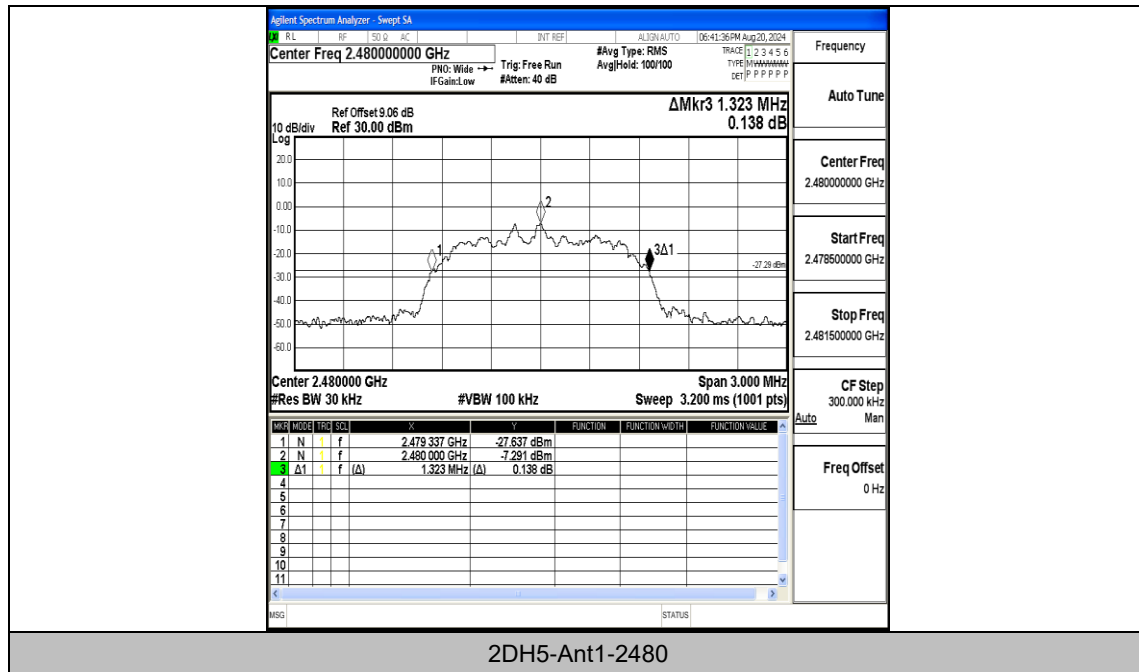
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

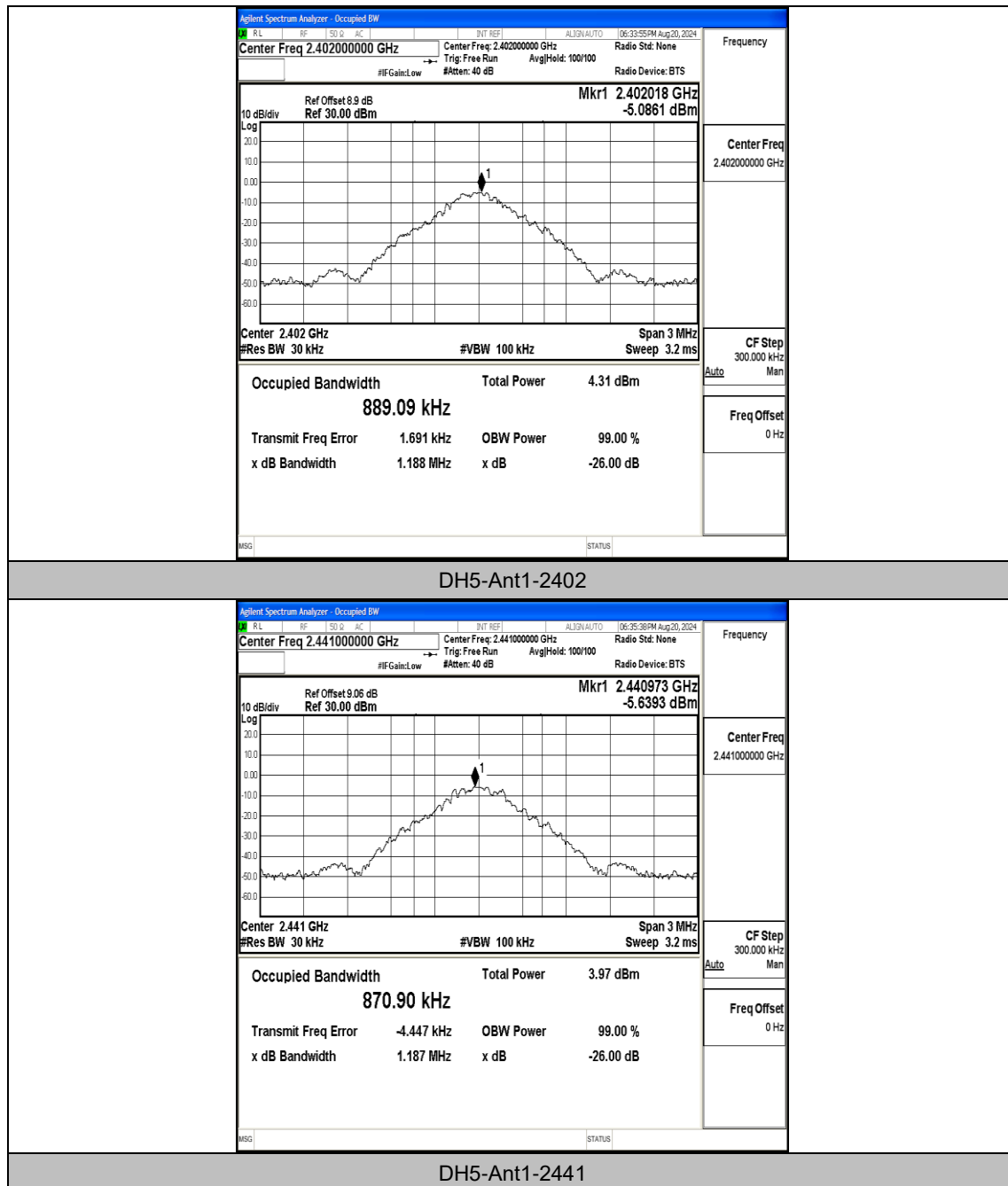


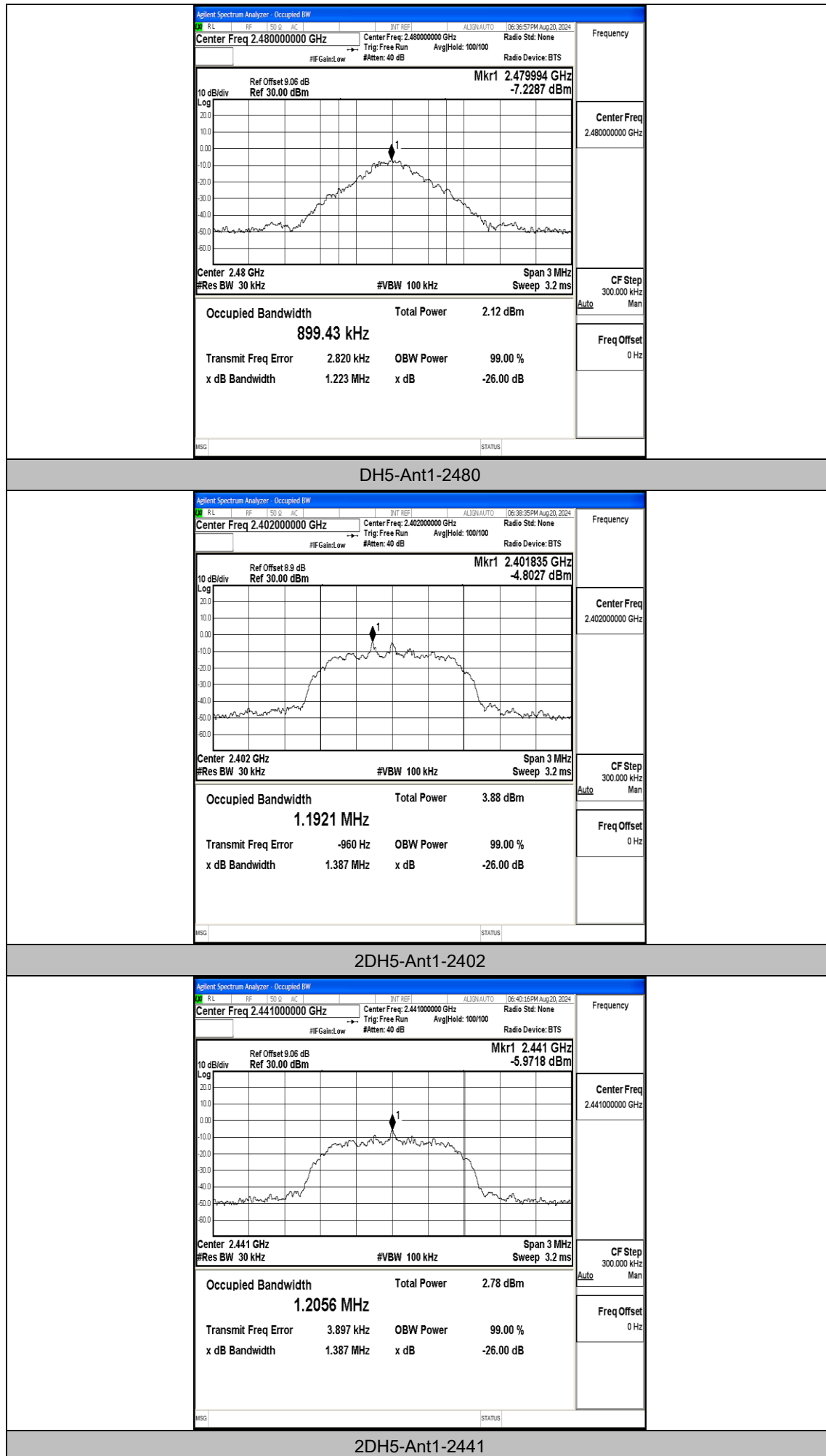
Appendix B: Occupied Channel Bandwidth

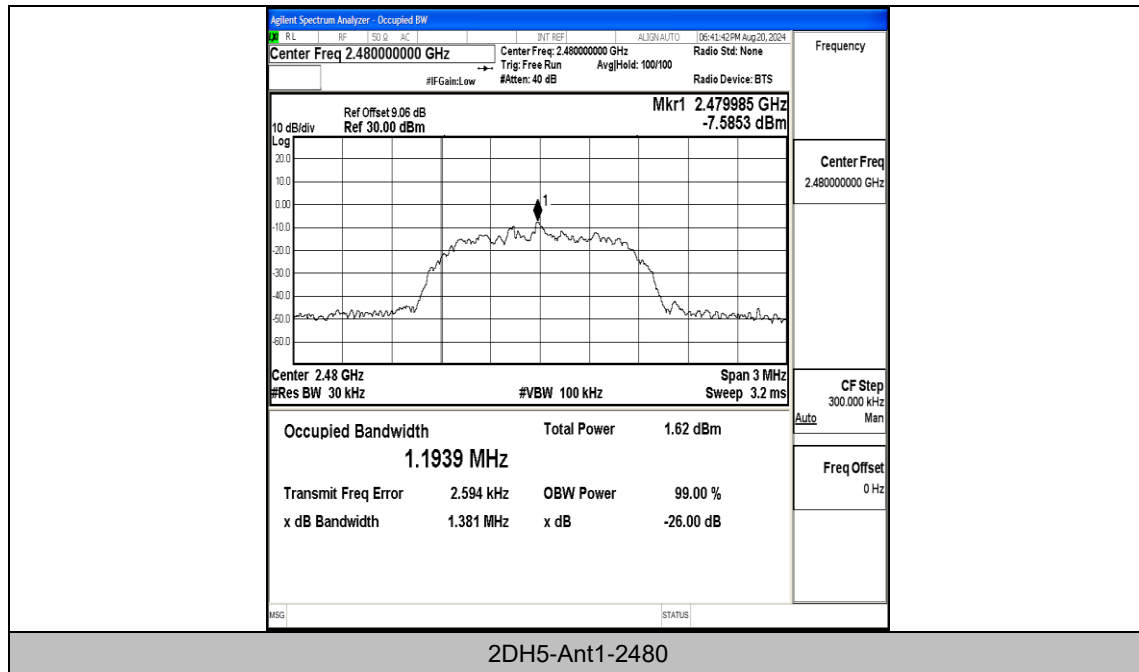
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88909	2401.5571	2402.4462	---	---
DH5	Ant1	2441	0.87090	2440.5601	2441.4310	---	---
DH5	Ant1	2480	0.89943	2479.5531	2480.4525	---	---
2DH5	Ant1	2402	1.1921	2401.4030	2402.5951	---	---
2DH5	Ant1	2441	1.2056	2440.4011	2441.6067	---	---
2DH5	Ant1	2480	1.1939	2479.4056	2480.5995	---	---

Test Graphs





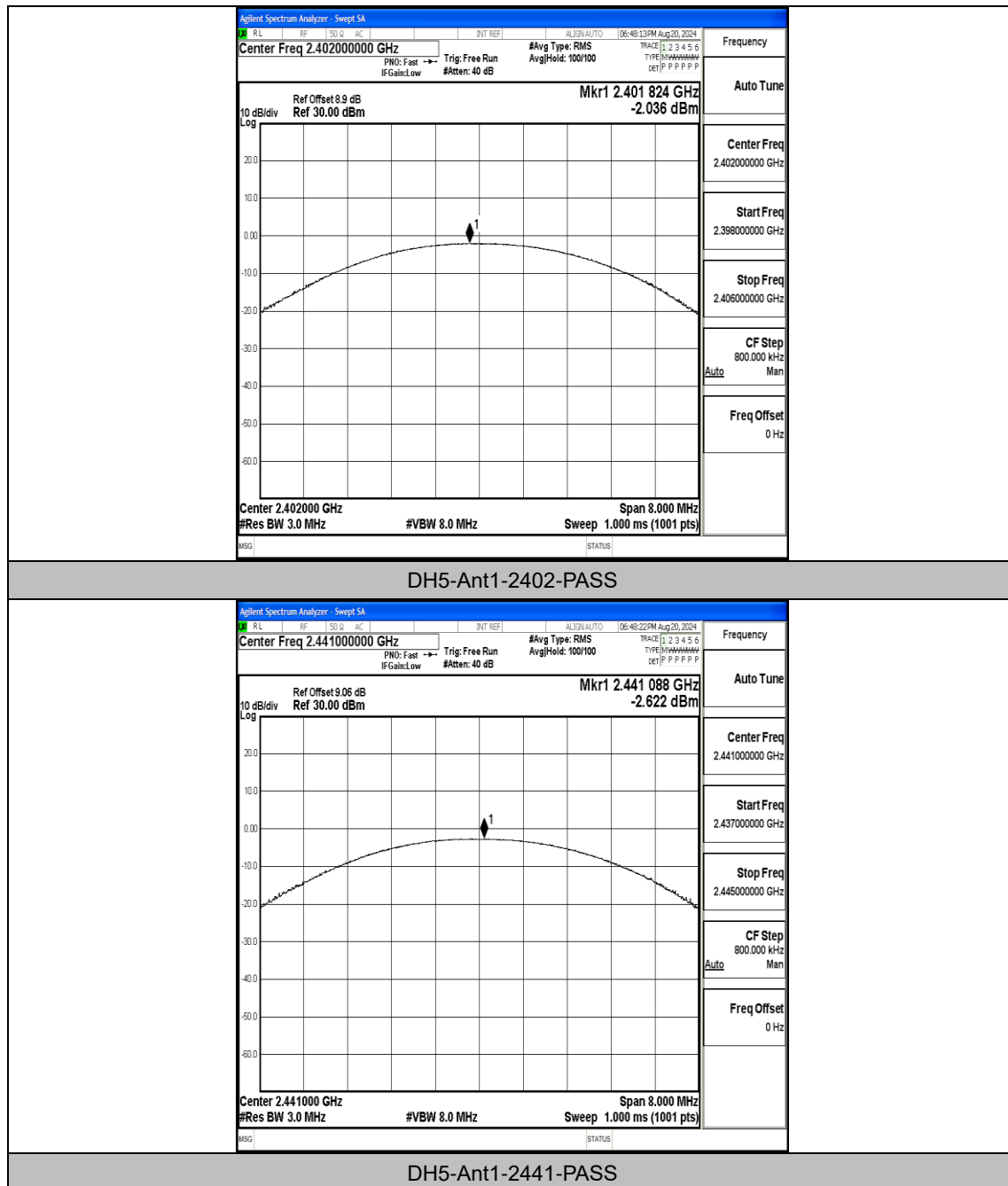


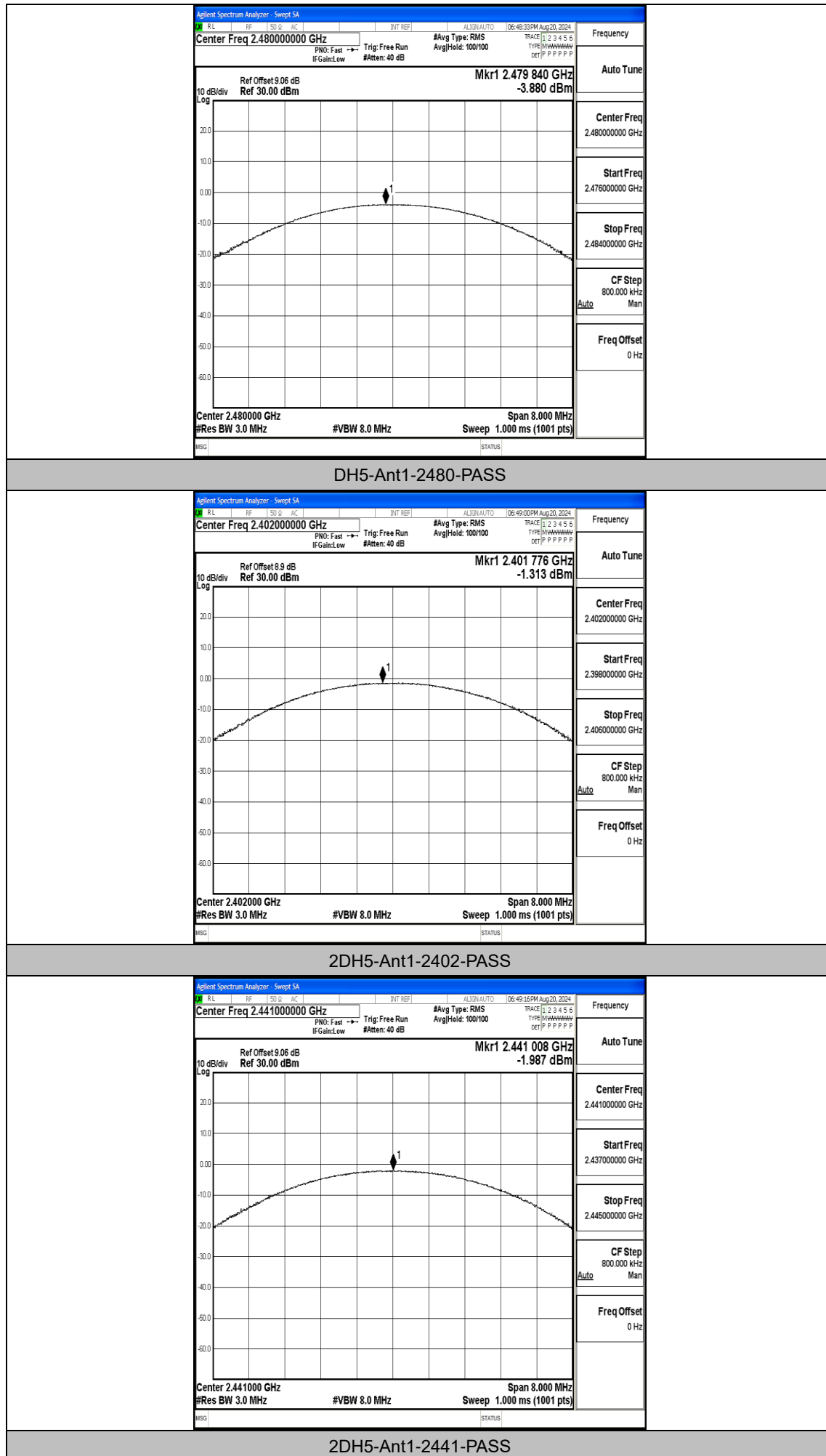
Appendix C: Maximum peak conducted output power

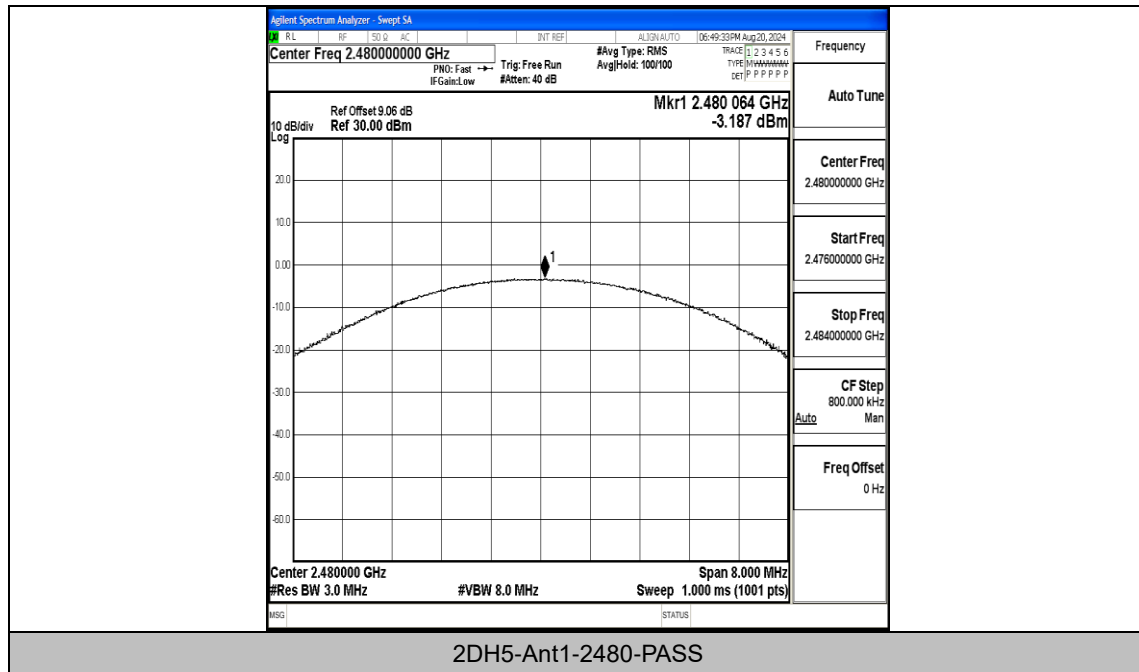
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.04	≤30	PASS
DH5	Ant1	2441	-2.62	≤30	PASS
DH5	Ant1	2480	-3.88	≤30	PASS
2DH5	Ant1	2402	-1.31	≤20.97	PASS
2DH5	Ant1	2441	-1.99	≤20.97	PASS
2DH5	Ant1	2480	-3.19	≤20.97	PASS

Test Graphs





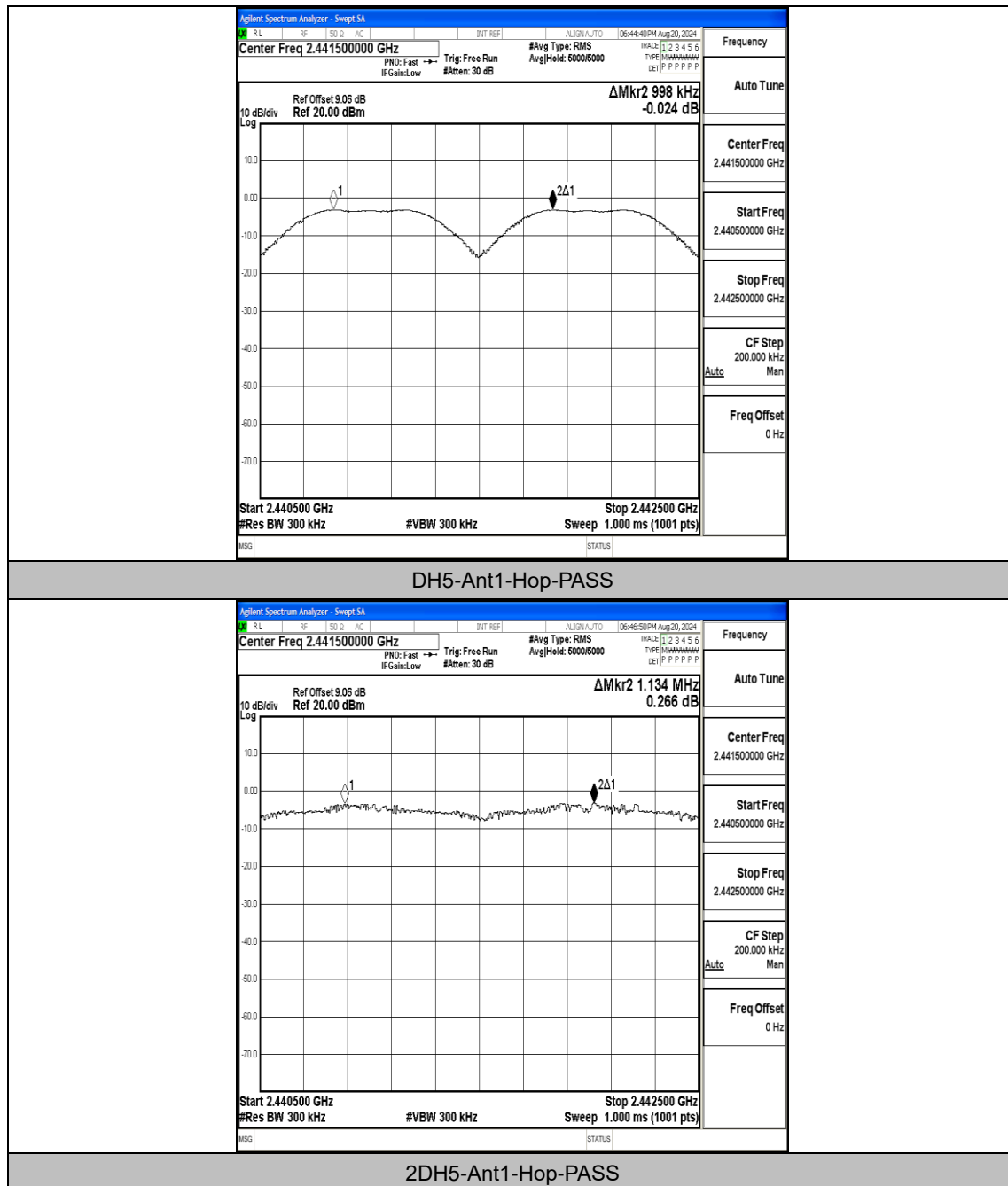


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.969	PASS
2DH5	Ant1	Hop	1.134	≥ 0.882	PASS

Test Graphs

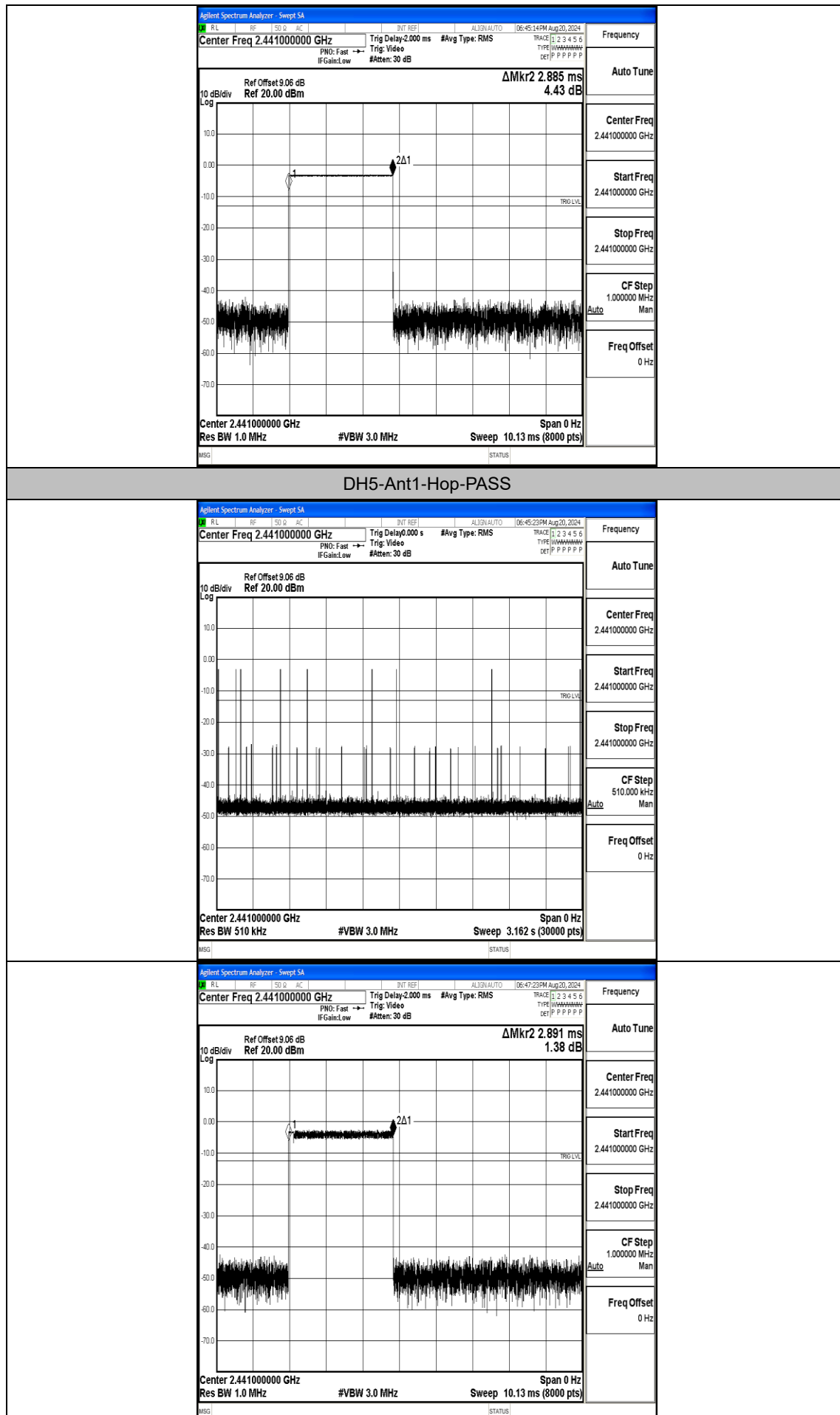


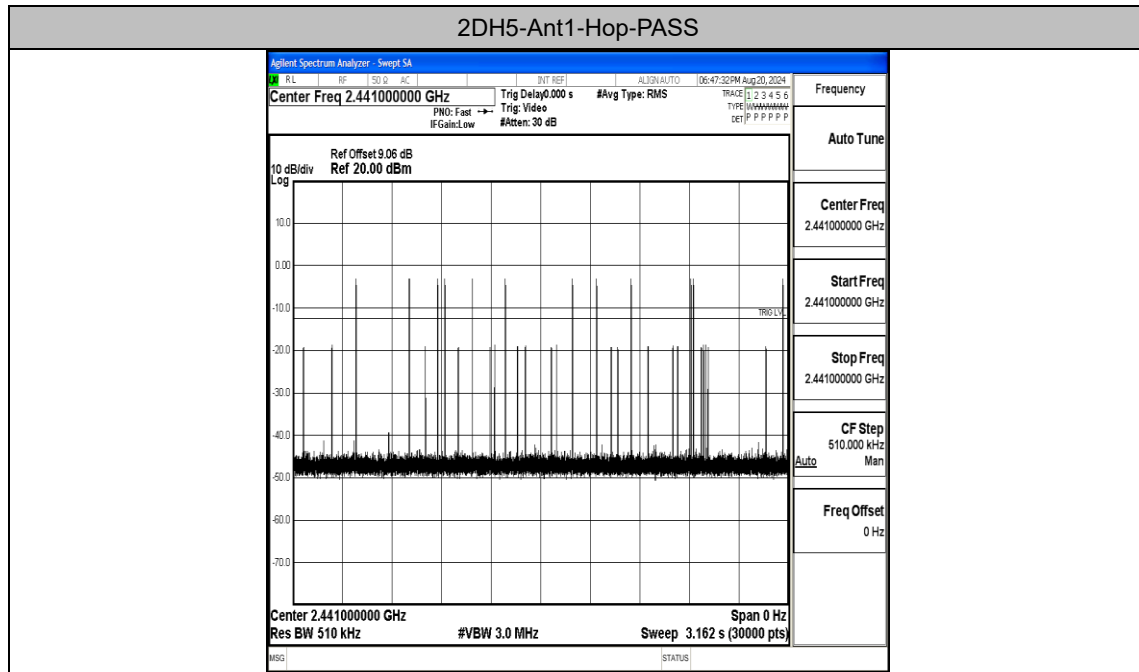
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.885	100	0.289	≤0.4	PASS
2DH5	Ant1	Hop	2.891	130	0.376	≤0.4	PASS

Test Graphs



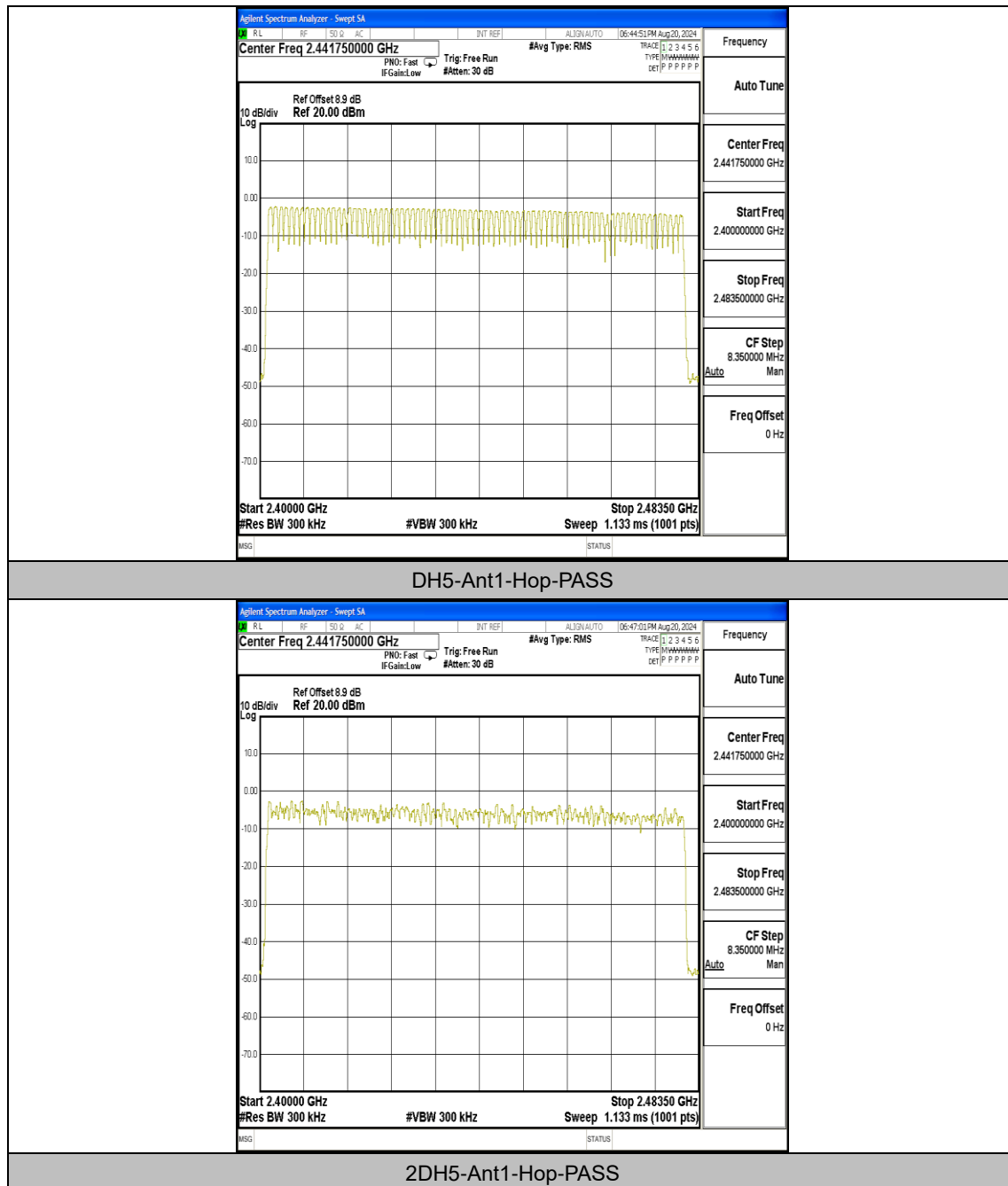


Appendix F: Number of hopping channels

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

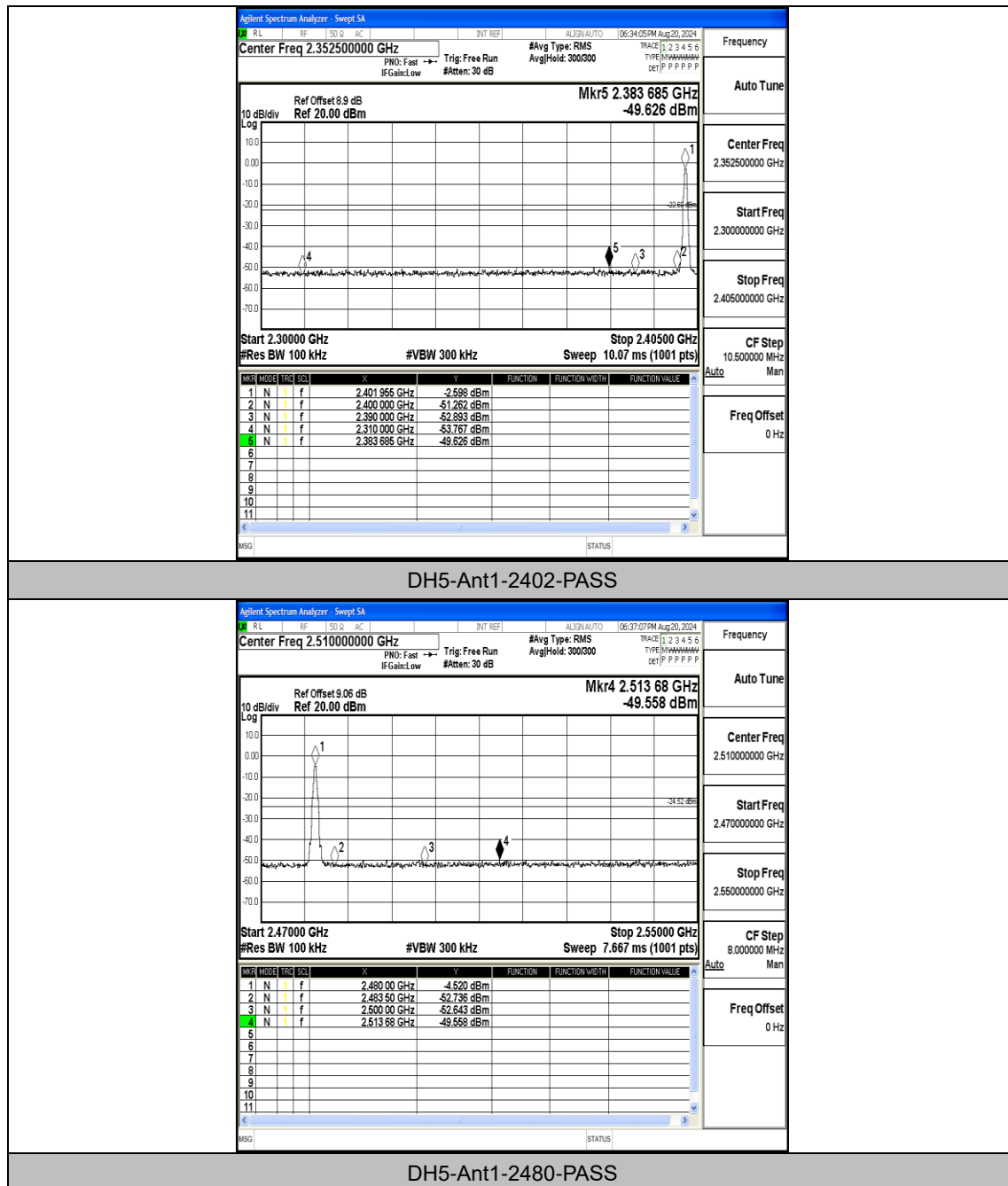


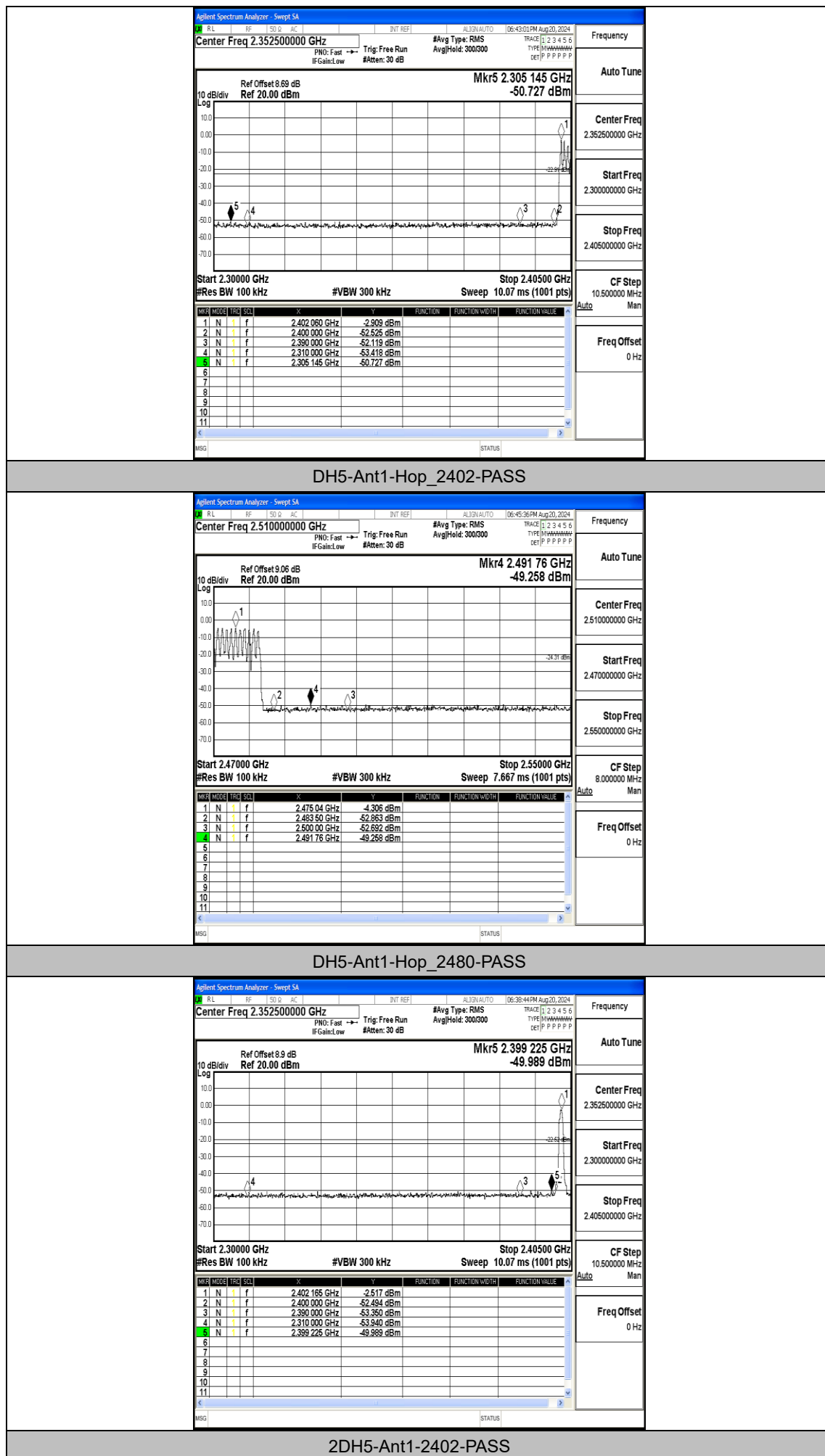
Appendix G: Band edge measurements

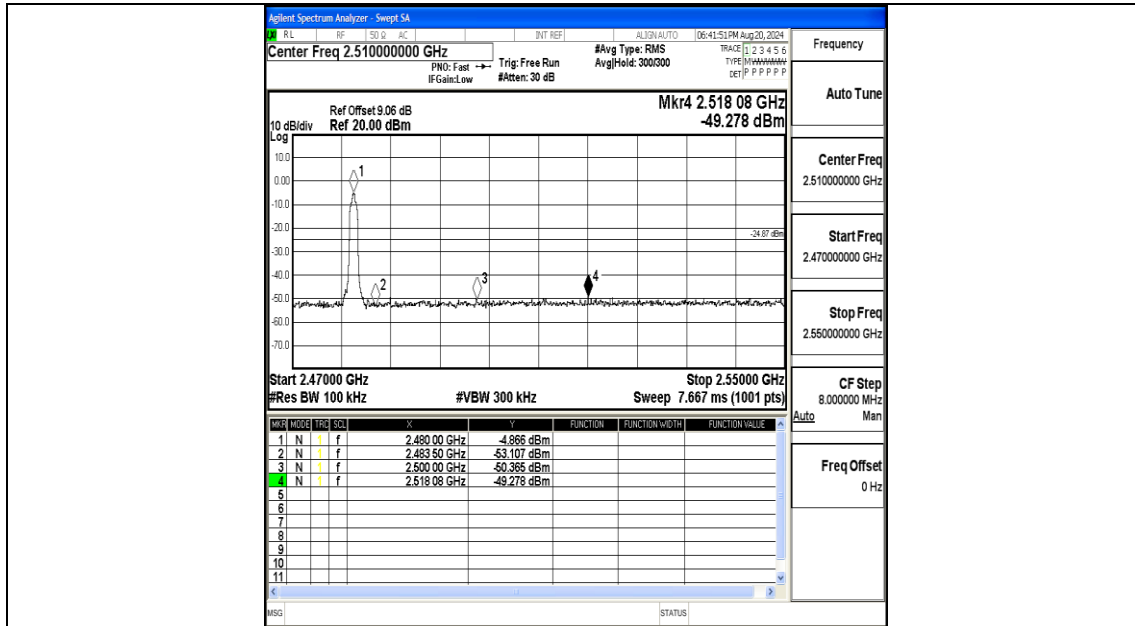
Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.60	-49.63	≤ -22.6	PASS
DH5	Ant1	High	2480	-4.52	-49.56	≤ -24.52	PASS
DH5	Ant1	Low	Hop_2402	-2.91	-50.73	≤ -22.91	PASS
DH5	Ant1	High	Hop_2480	-4.31	-49.26	≤ -24.31	PASS
2DH5	Ant1	Low	2402	-2.52	-49.99	≤ -22.52	PASS
2DH5	Ant1	High	2480	-4.87	-49.28	≤ -24.87	PASS
2DH5	Ant1	Low	Hop_2402	-5.35	-50.45	≤ -25.35	PASS
2DH5	Ant1	High	Hop_2480	-4.91	-49.46	≤ -24.91	PASS

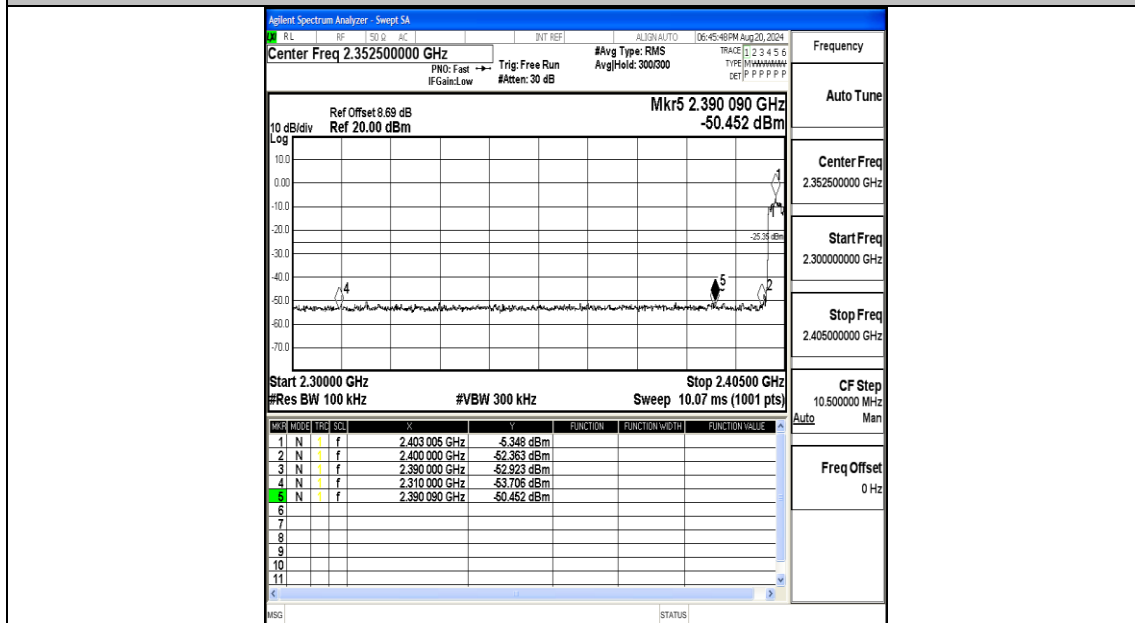
Test Graphs



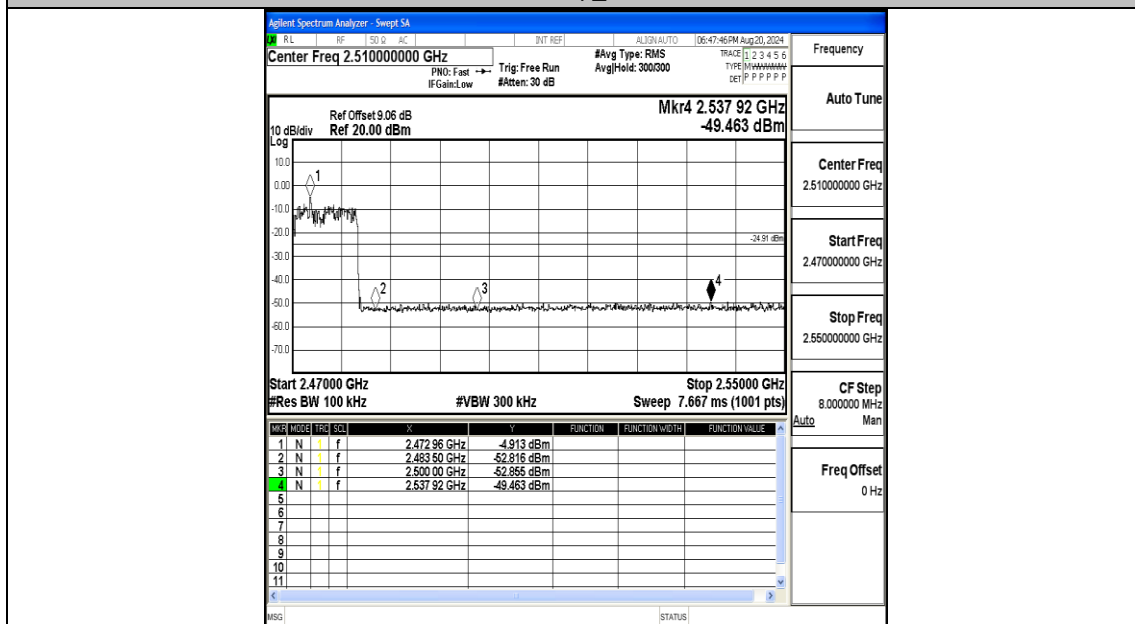




2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



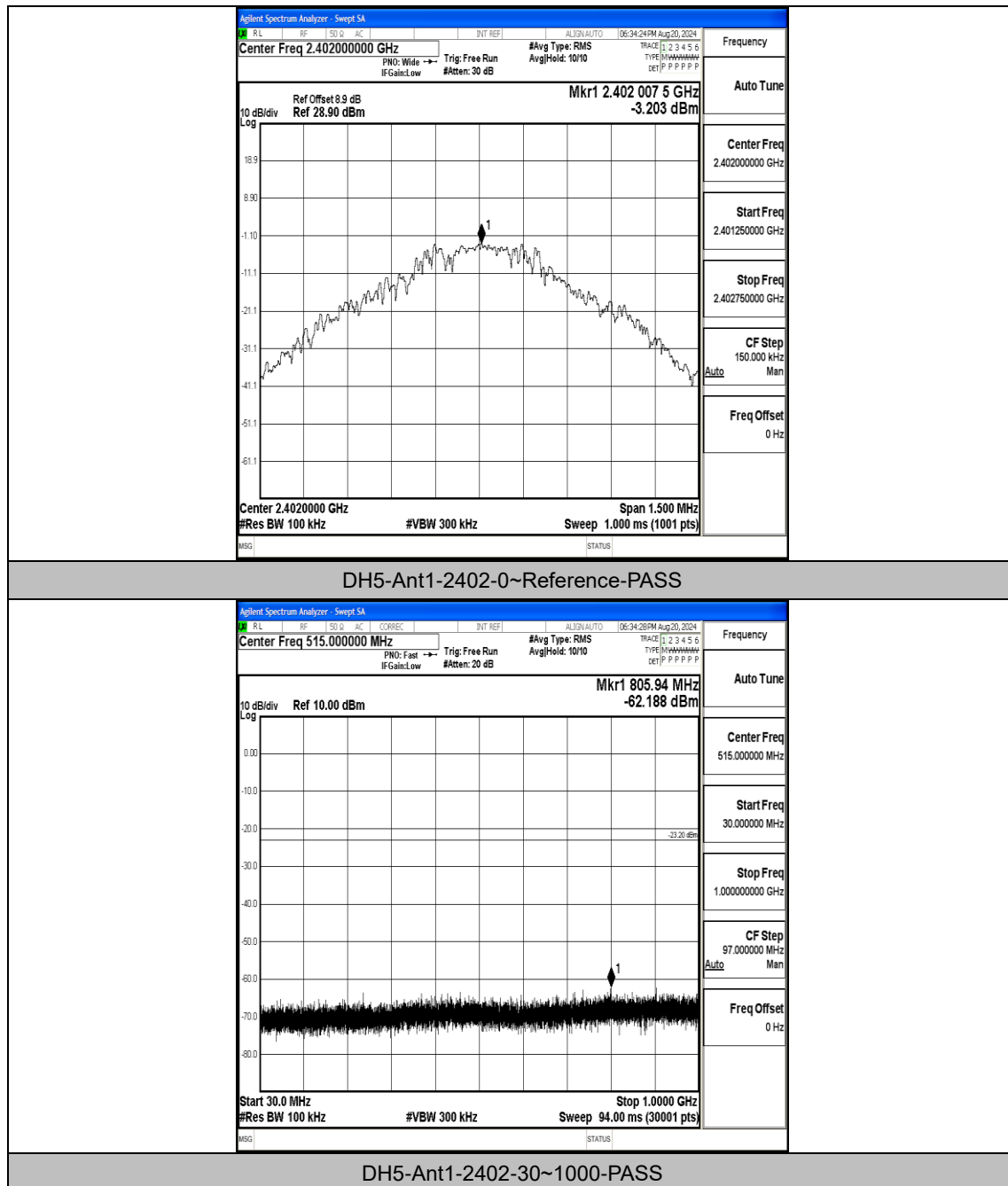
2DH5-Ant1-Hop_2480-PASS

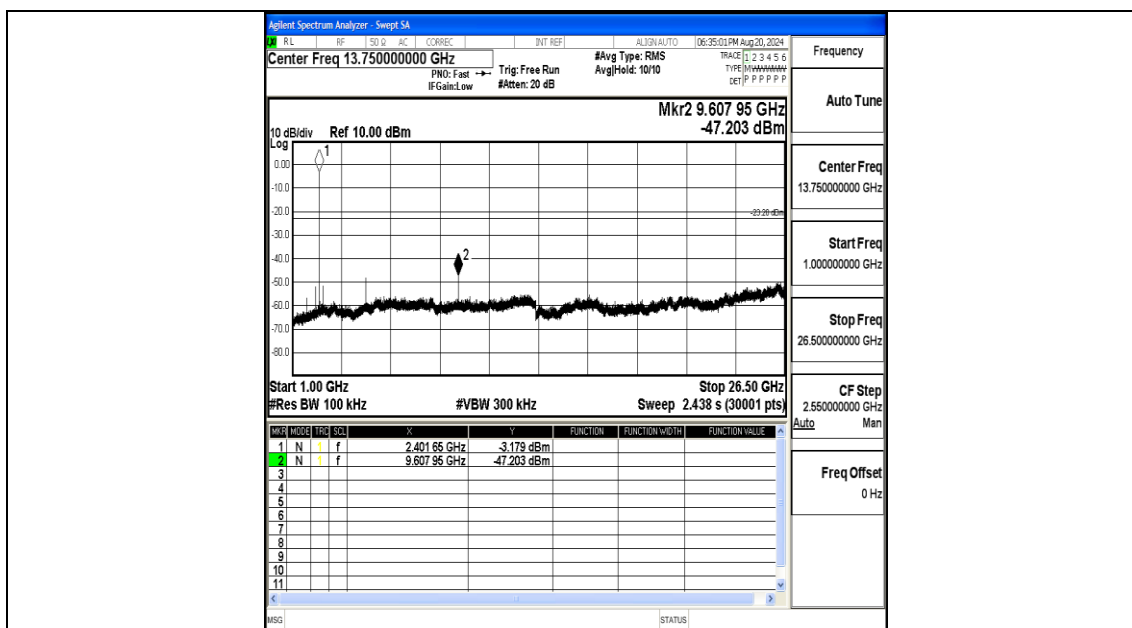
Appendix H: Conducted Spurious Emission

Test Result

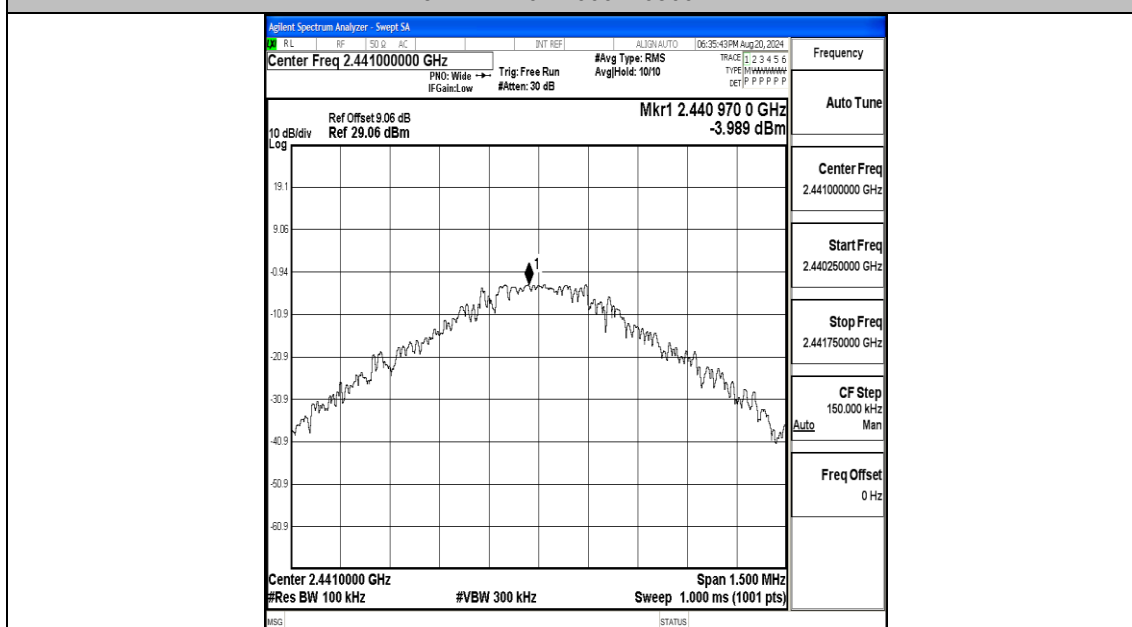
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.20	-3.20	---	PASS
DH5	Ant1	2402	30~1000	-3.20	-62.19	≤-23.2	PASS
DH5	Ant1	2402	1000~26500	-3.20	-47.2	≤-23.2	PASS
DH5	Ant1	2441	0~Reference	-3.99	-3.99	---	PASS
DH5	Ant1	2441	30~1000	-3.99	-62.4	≤-23.99	PASS
DH5	Ant1	2441	1000~26500	-3.99	-43.29	≤-23.99	PASS
DH5	Ant1	2480	0~Reference	-5.03	-5.03	---	PASS
DH5	Ant1	2480	30~1000	-5.03	-62.6	≤-25.03	PASS
DH5	Ant1	2480	1000~26500	-5.03	-43.98	≤-25.03	PASS
2DH5	Ant1	2402	0~Reference	-6.59	-6.59	---	PASS
2DH5	Ant1	2402	30~1000	-6.59	-62.69	≤-26.59	PASS
2DH5	Ant1	2402	1000~26500	-6.59	-47.02	≤-26.59	PASS
2DH5	Ant1	2441	0~Reference	-6.94	-6.94	---	PASS
2DH5	Ant1	2441	30~1000	-6.94	-62.64	≤-26.94	PASS
2DH5	Ant1	2441	1000~26500	-6.94	-43.92	≤-26.94	PASS
2DH5	Ant1	2480	0~Reference	-6.42	-6.42	---	PASS
2DH5	Ant1	2480	30~1000	-6.42	-63.08	≤-26.42	PASS
2DH5	Ant1	2480	1000~26500	-6.42	-43.79	≤-26.42	PASS

Test Graphs

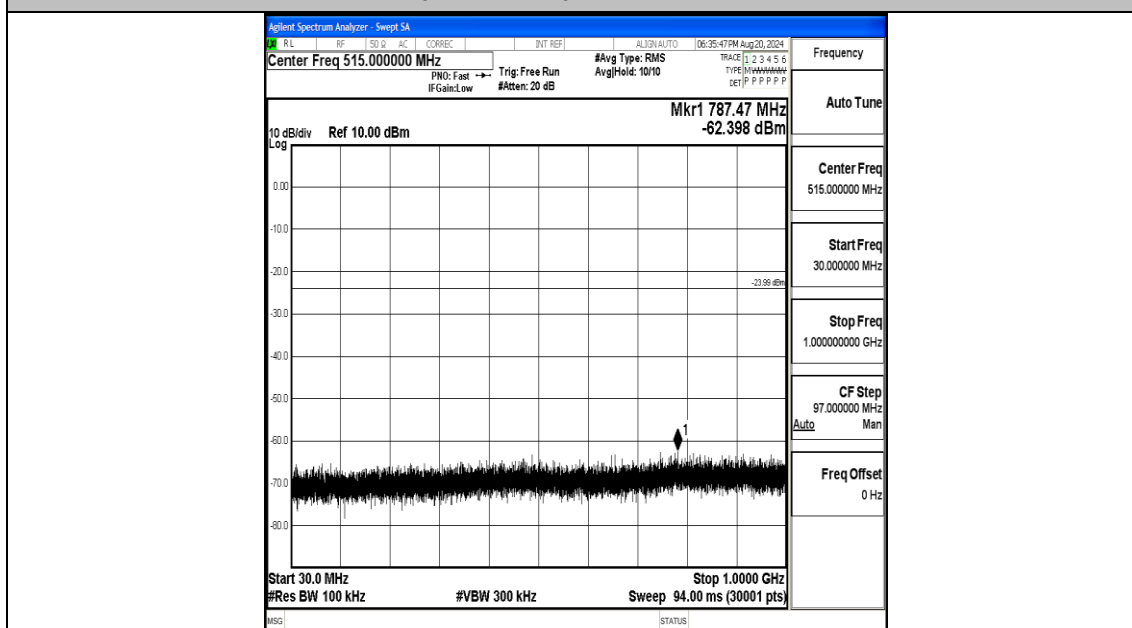




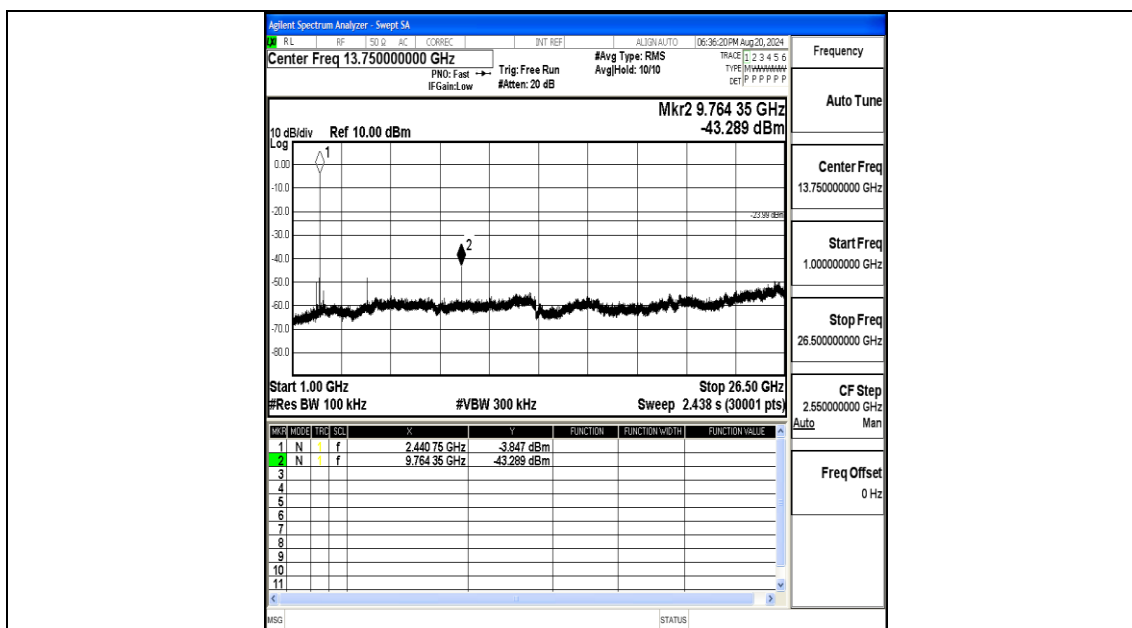
DH5-Ant1-2402-1000~26500-PASS



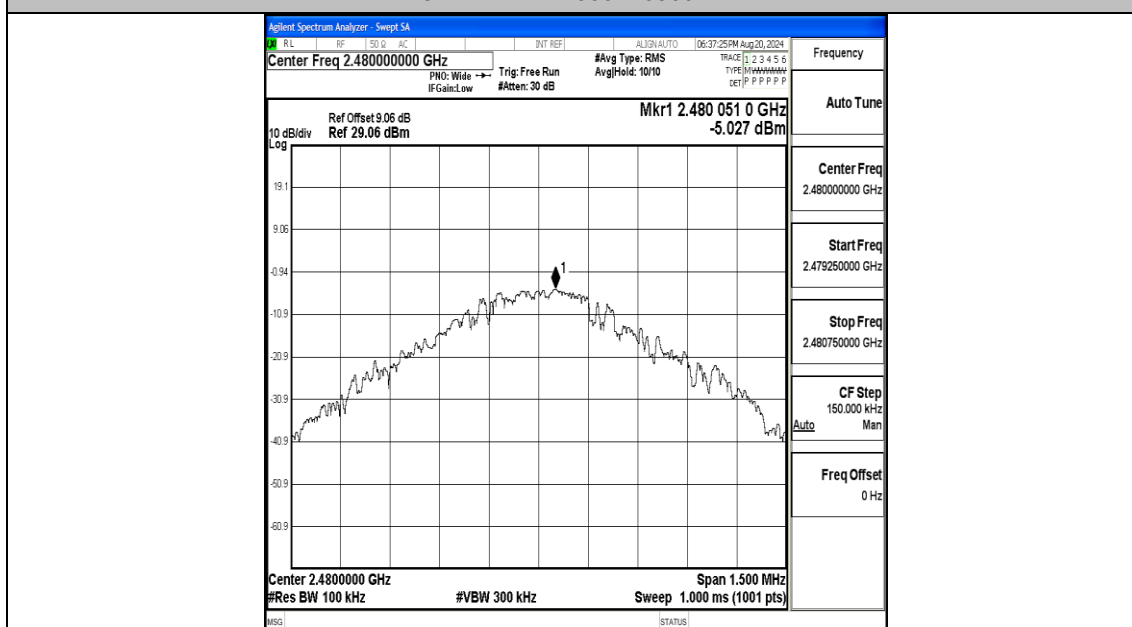
DH5-Ant1-2441-0~Reference-PASS



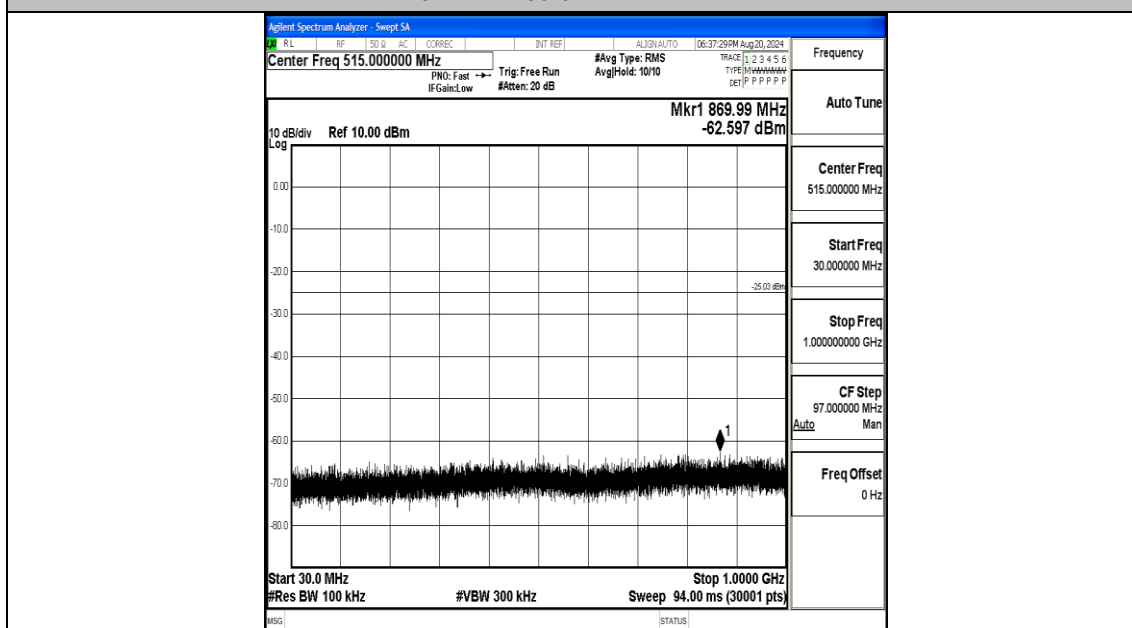
DH5-Ant1-2441-30~1000-PASS



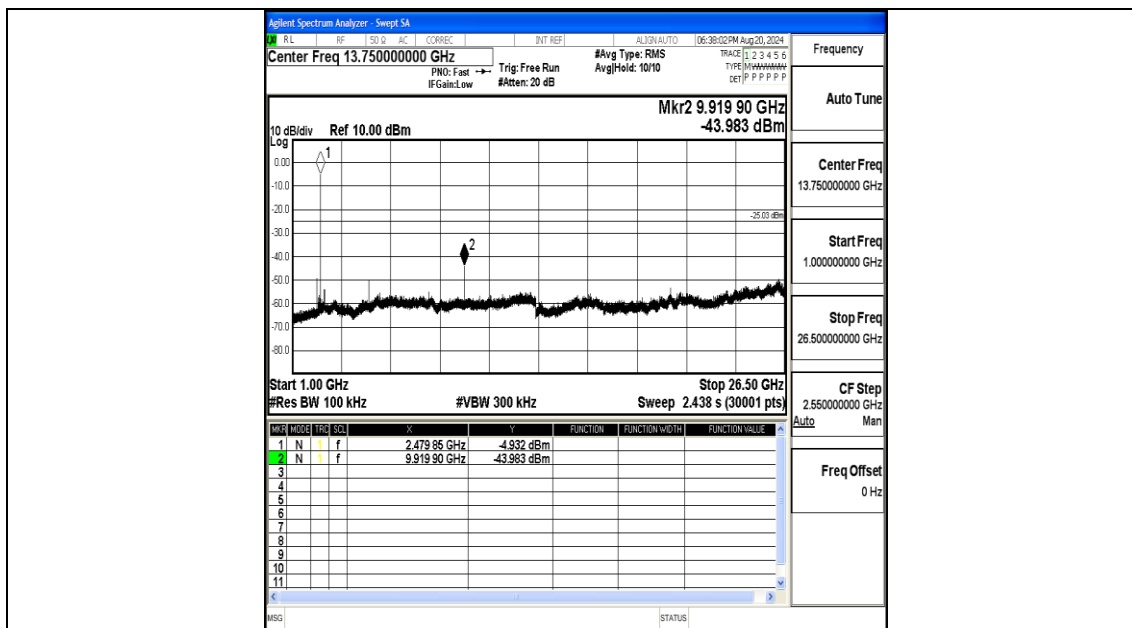
DH5-Ant1-2441-1000~26500-PASS



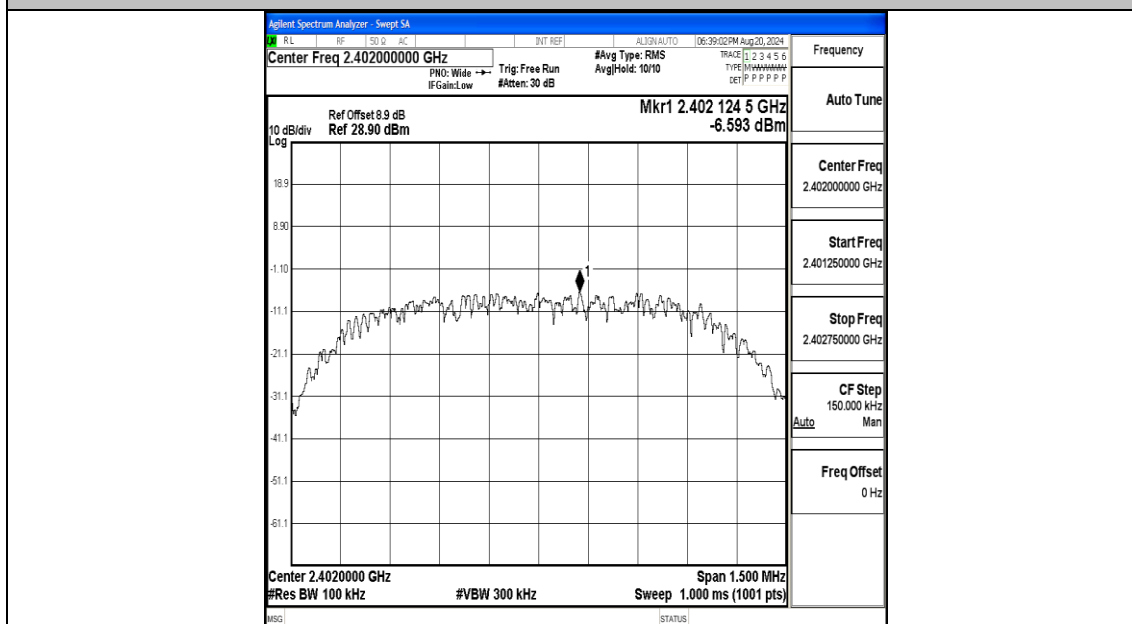
DH5-Ant1-2480-0~Reference-PASS



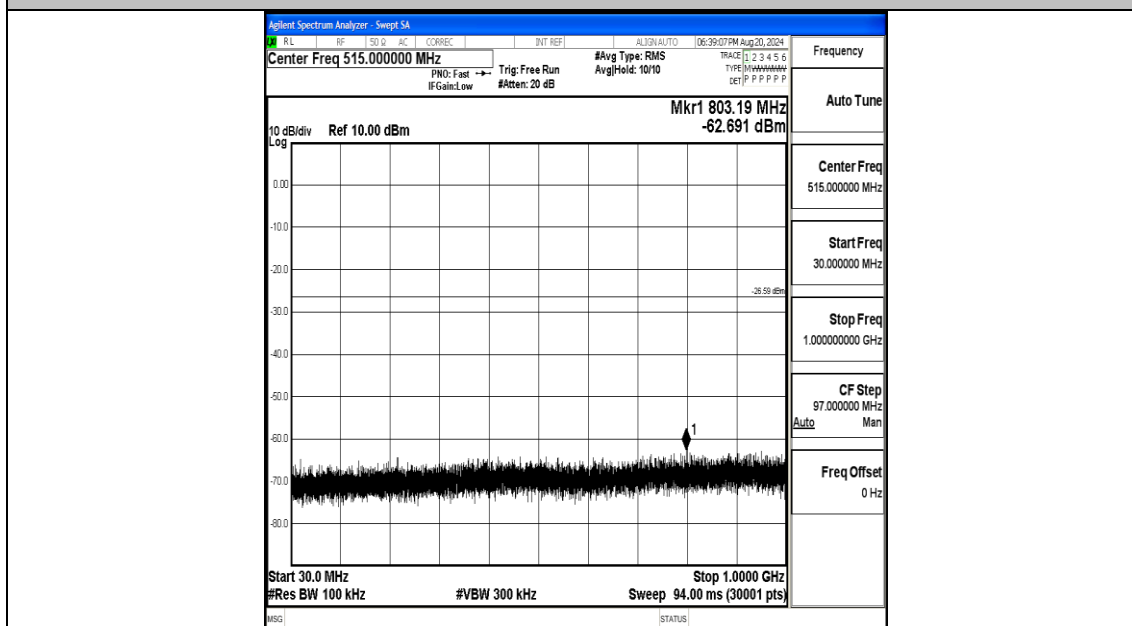
DH5-Ant1-2480-30~1000-PASS



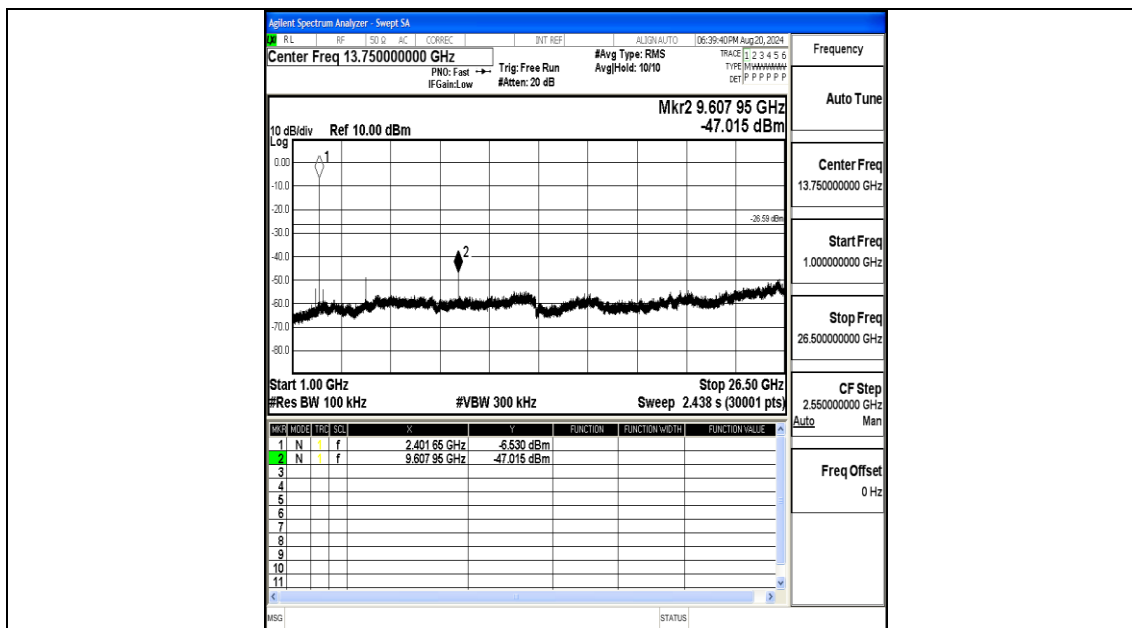
DH5-Ant1-2480-1000~26500-PASS



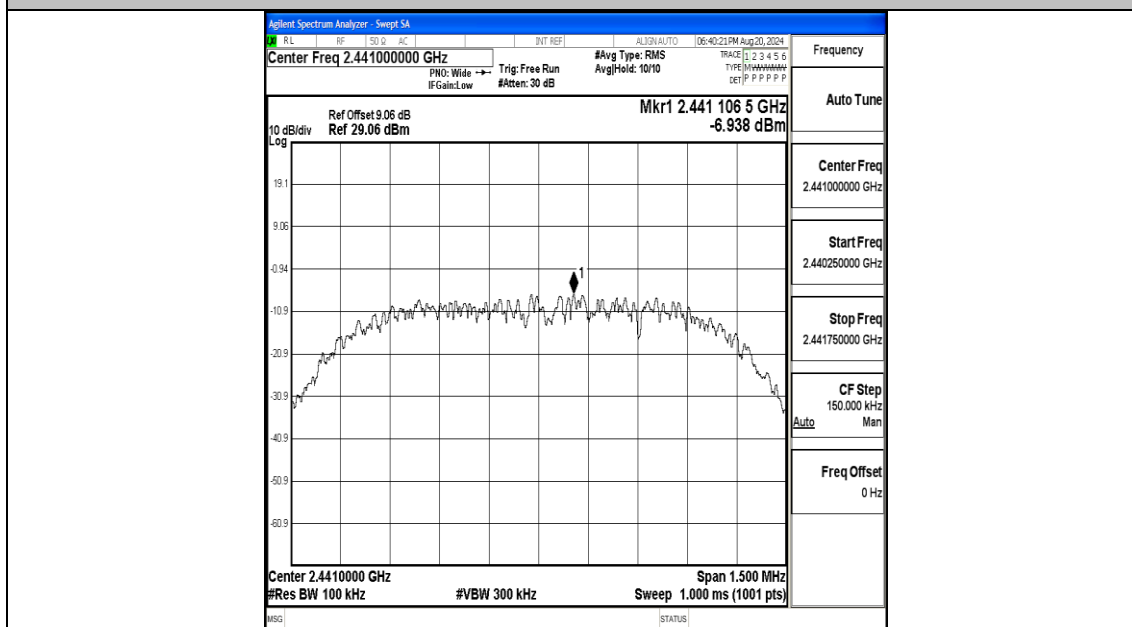
2DH5-Ant1-2402-0~Reference-PASS



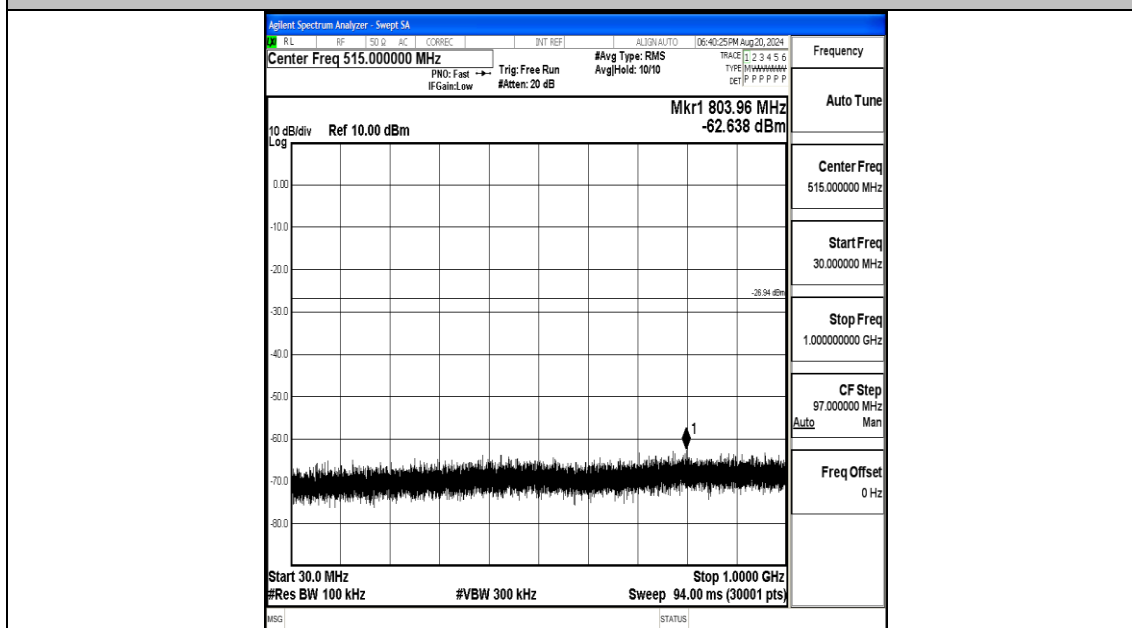
2DH5-Ant1-2402-30~1000-PASS



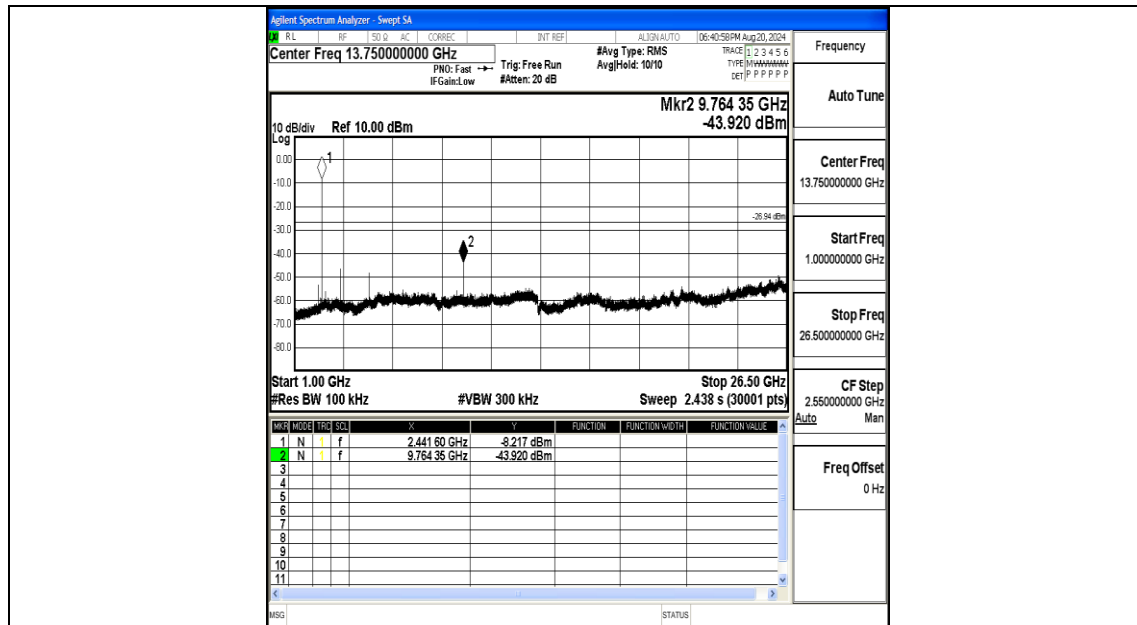
2DH5-Ant1-2402-1000~26500-PASS



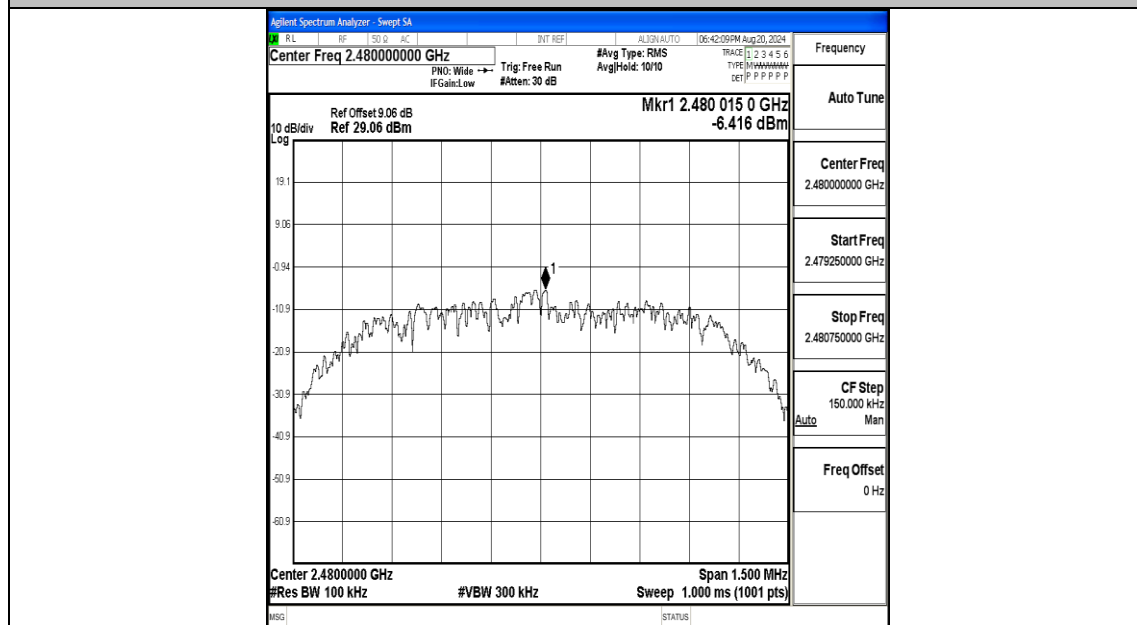
2DH5-Ant1-2441-0~Reference-PASS



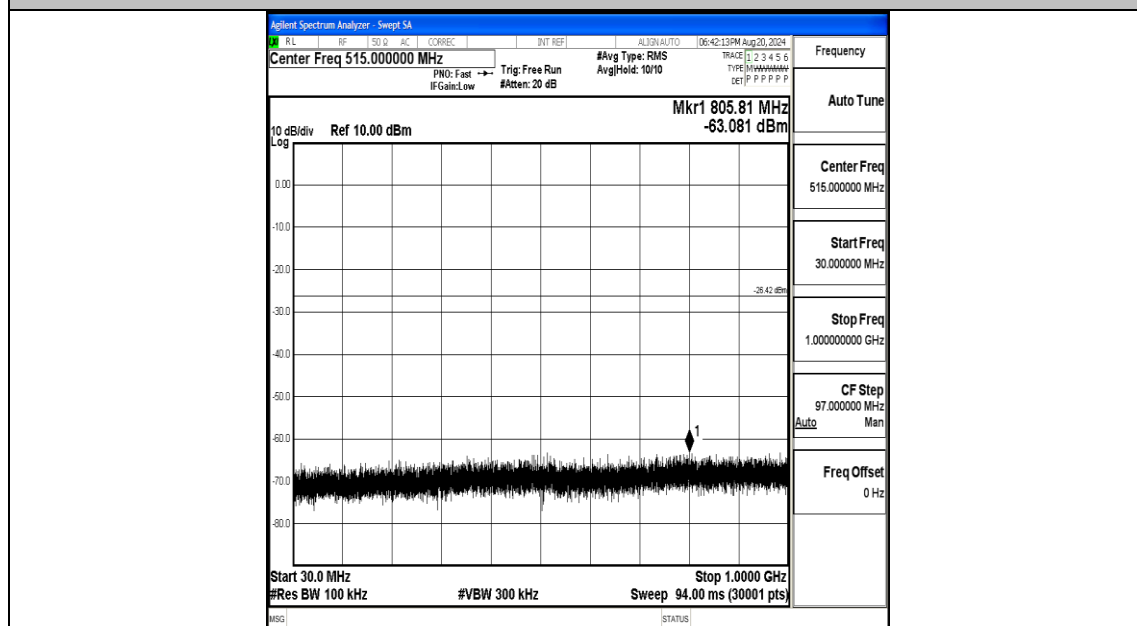
2DH5-Ant1-2441-30~1000-PASS



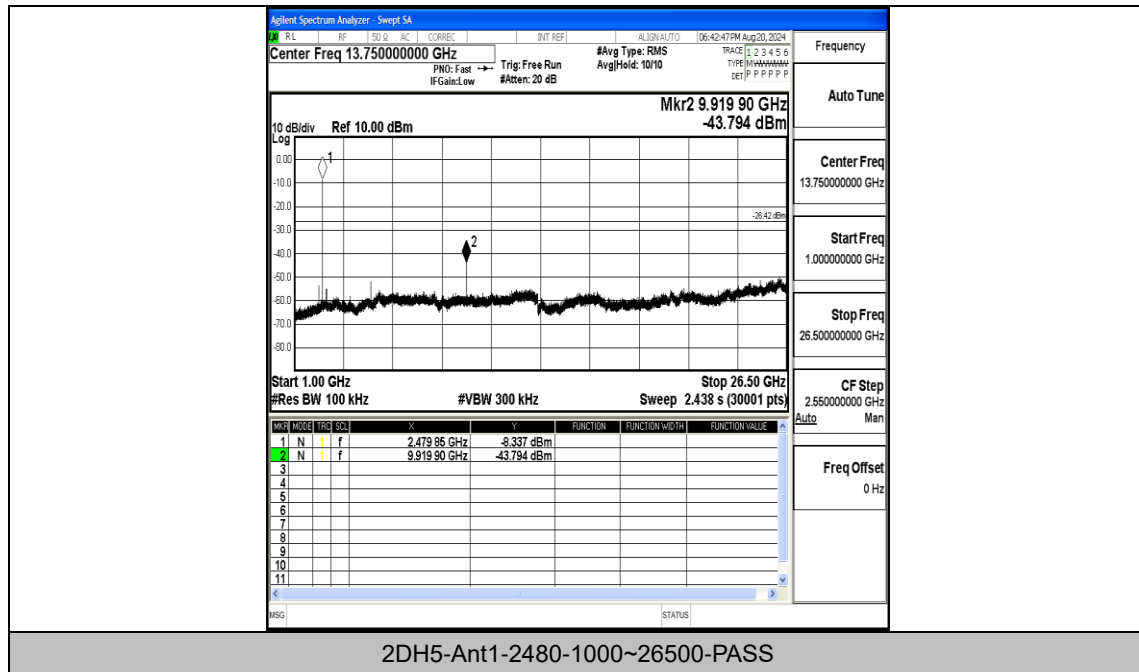
2DH5-Ant1-2441-1000~26500-PASS



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	2.88	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	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.90	3.75	77.33	1.12
2DH5	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs

