

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

Product Name: Wireless Headphone

Trade Mark: Staples, Vivitar

Test Model: STP3100

FCC ID: 2AL9B-STP3100

Environmental Conditions

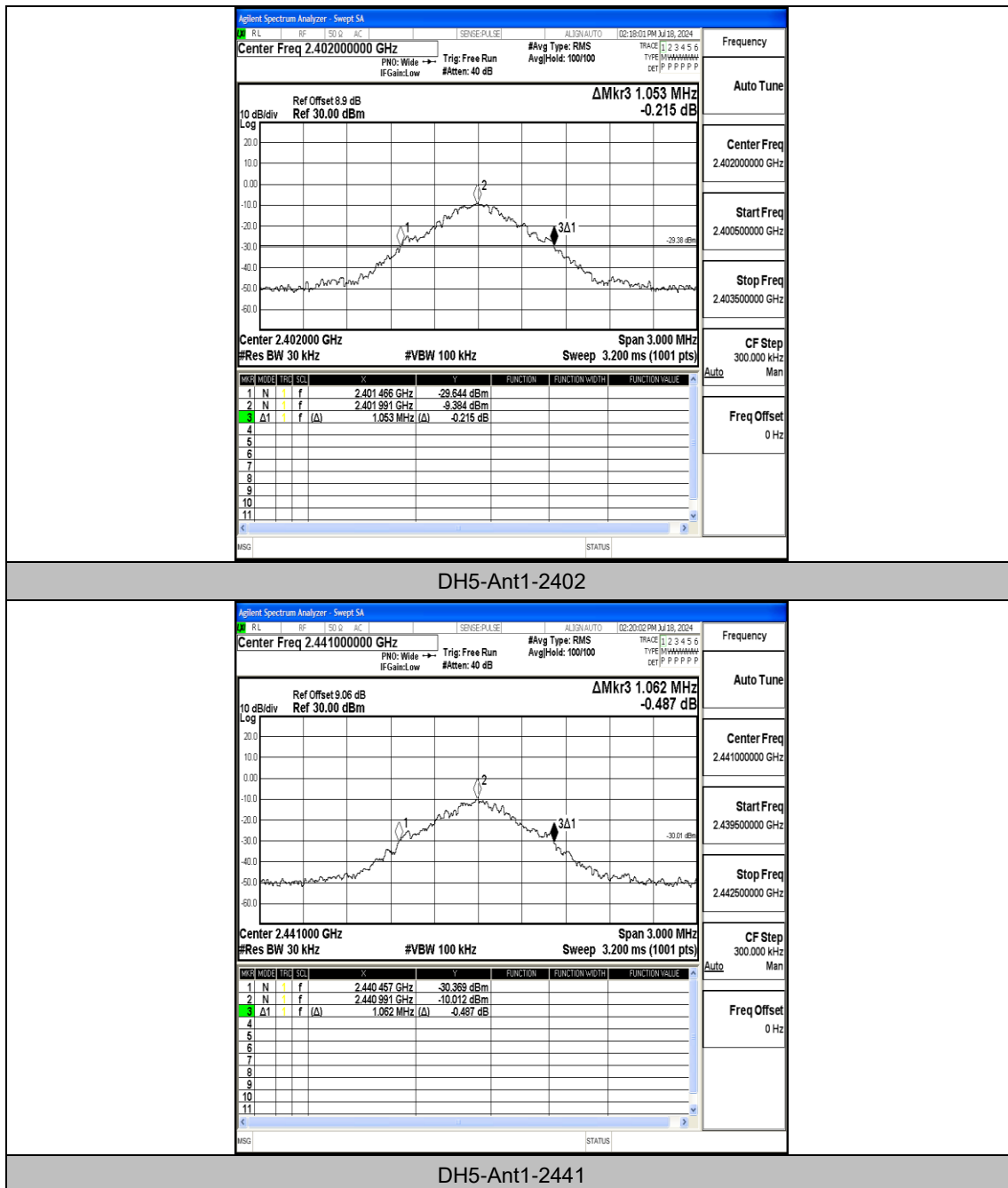
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

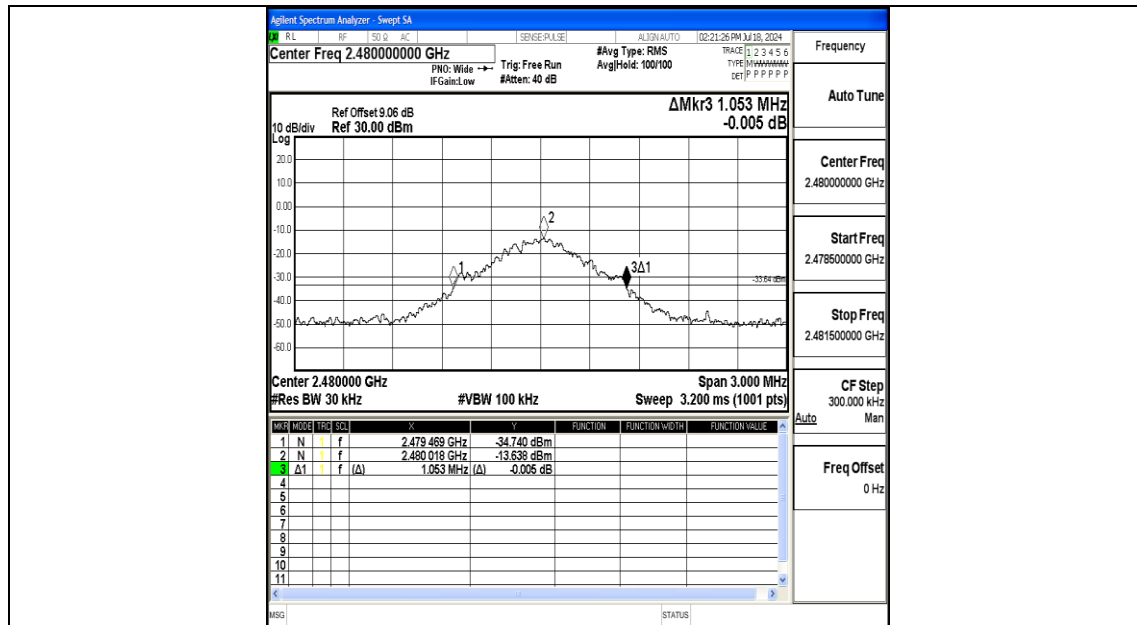
Appendix A: 20dB Emission Bandwidth

Test Result

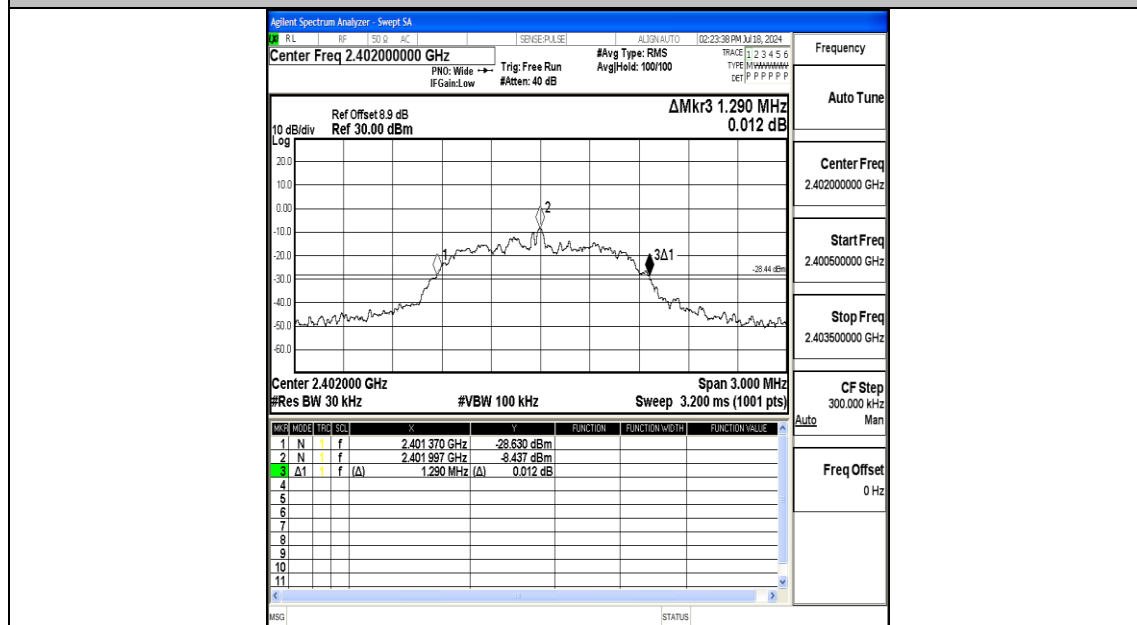
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.053	2401.466	2402.519	---	---
DH5	Ant1	2441	1.062	2440.457	2441.519	---	---
DH5	Ant1	2480	1.053	2479.469	2480.522	---	---
2DH5	Ant1	2402	1.290	2401.370	2402.660	---	---
2DH5	Ant1	2441	1.323	2440.340	2441.663	---	---
2DH5	Ant1	2480	1.326	2479.334	2480.660	---	---

Test Graphs

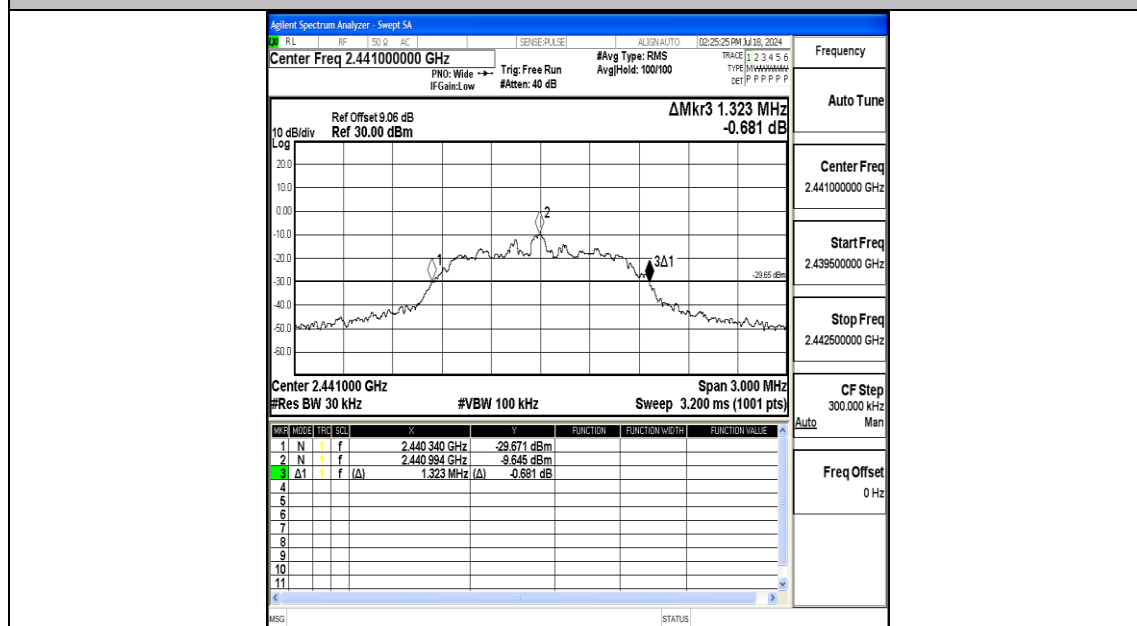




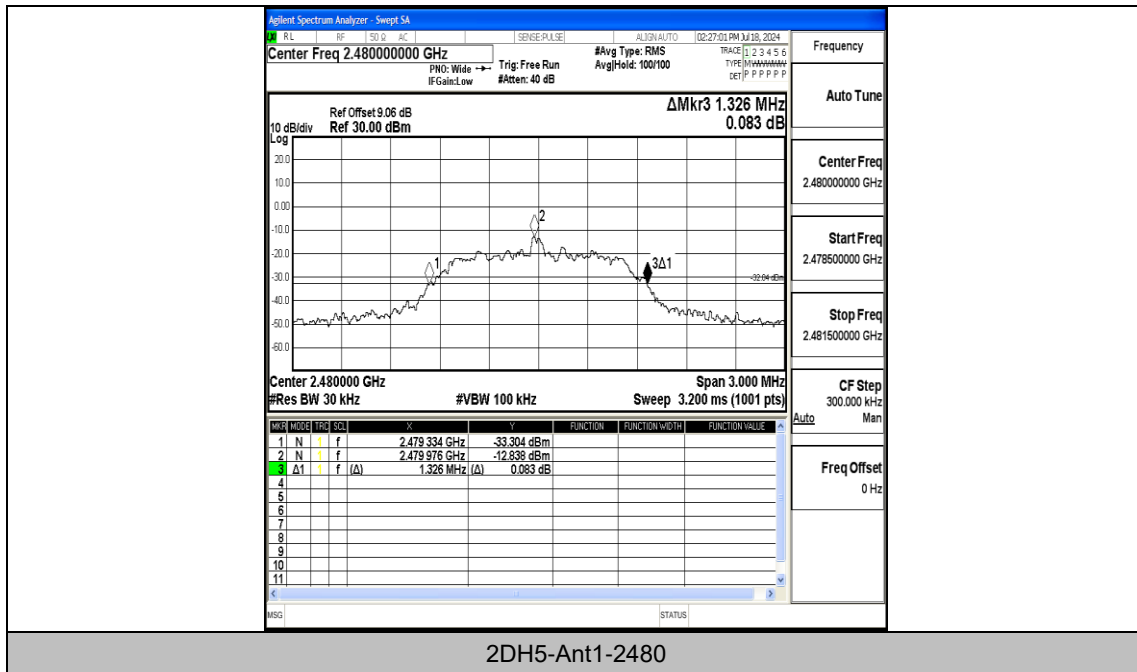
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

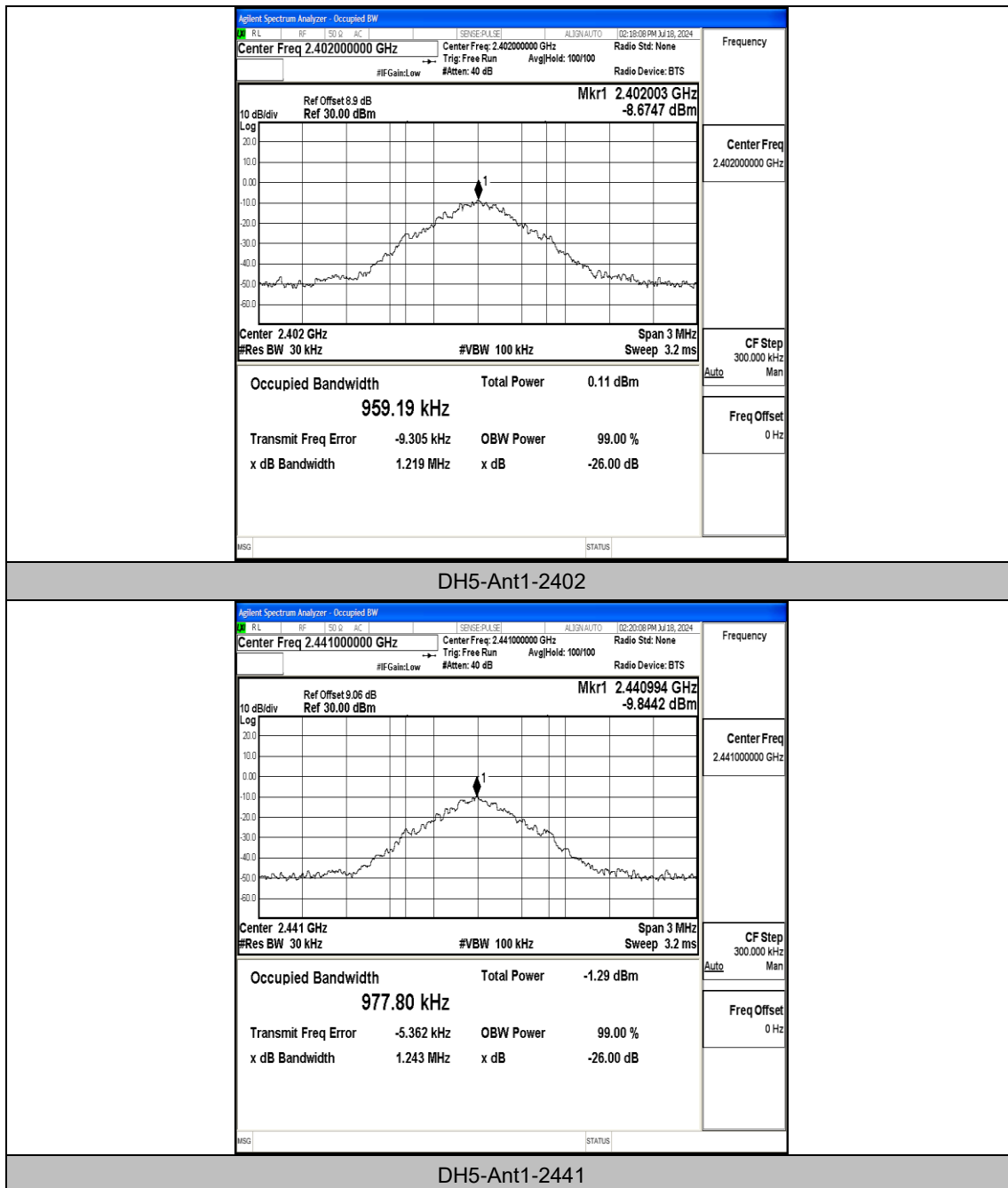


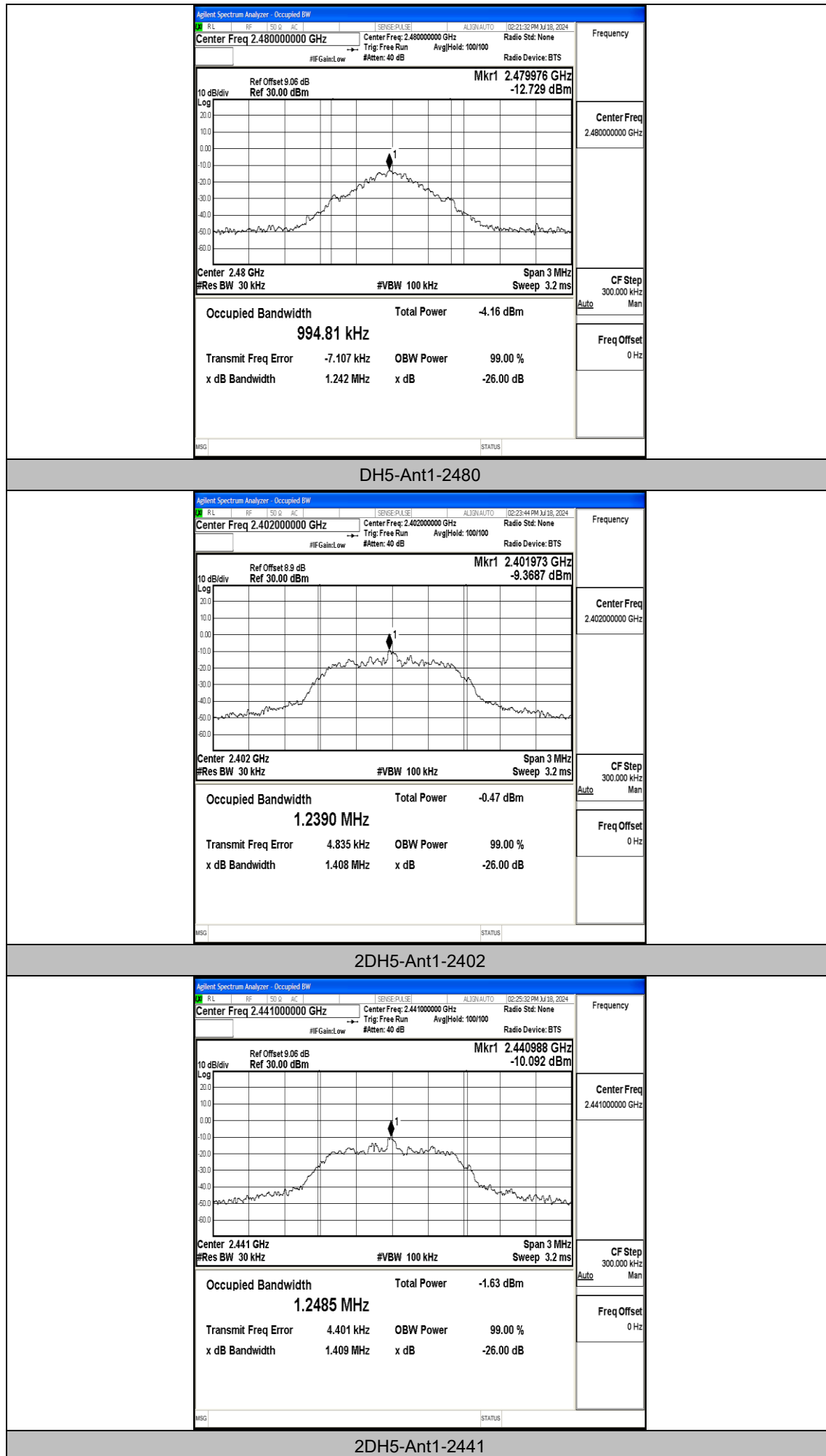
Appendix B: Occupied Channel Bandwidth

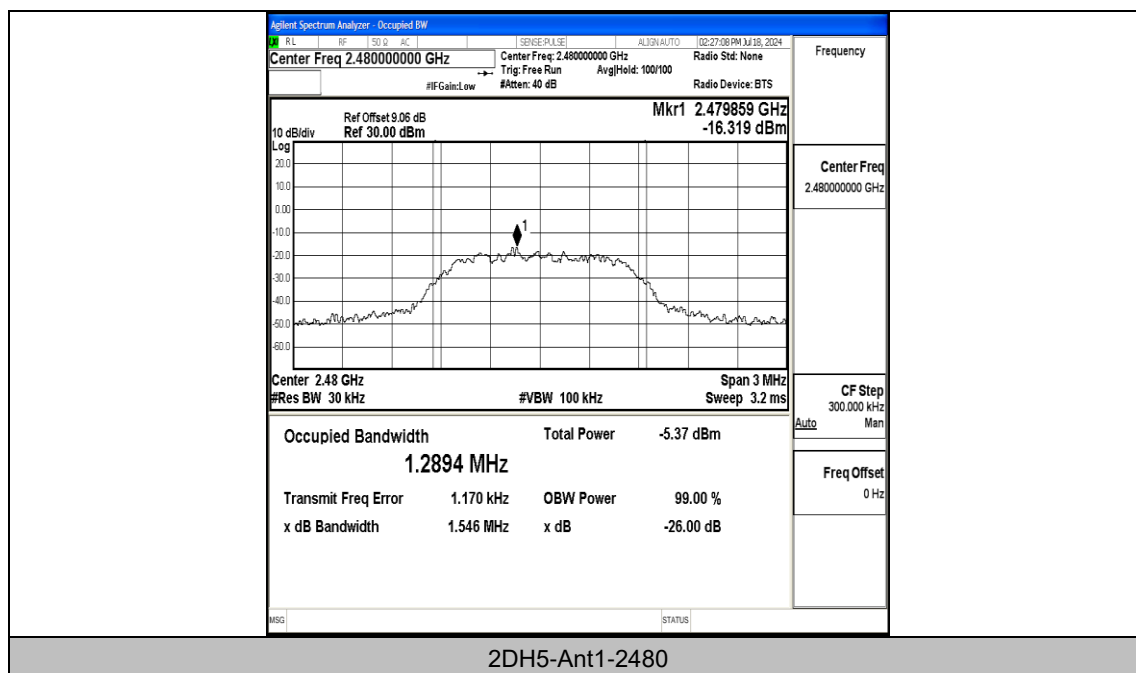
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95919	2401.5111	2402.4703	---	---
DH5	Ant1	2441	0.97780	2440.5057	2441.4835	---	---
DH5	Ant1	2480	0.99481	2479.4955	2480.4903	---	---
2DH5	Ant1	2402	1.2390	2401.3853	2402.6243	---	---
2DH5	Ant1	2441	1.2485	2440.3802	2441.6287	---	---
2DH5	Ant1	2480	1.2894	2479.3565	2480.6459	---	---

Test Graphs





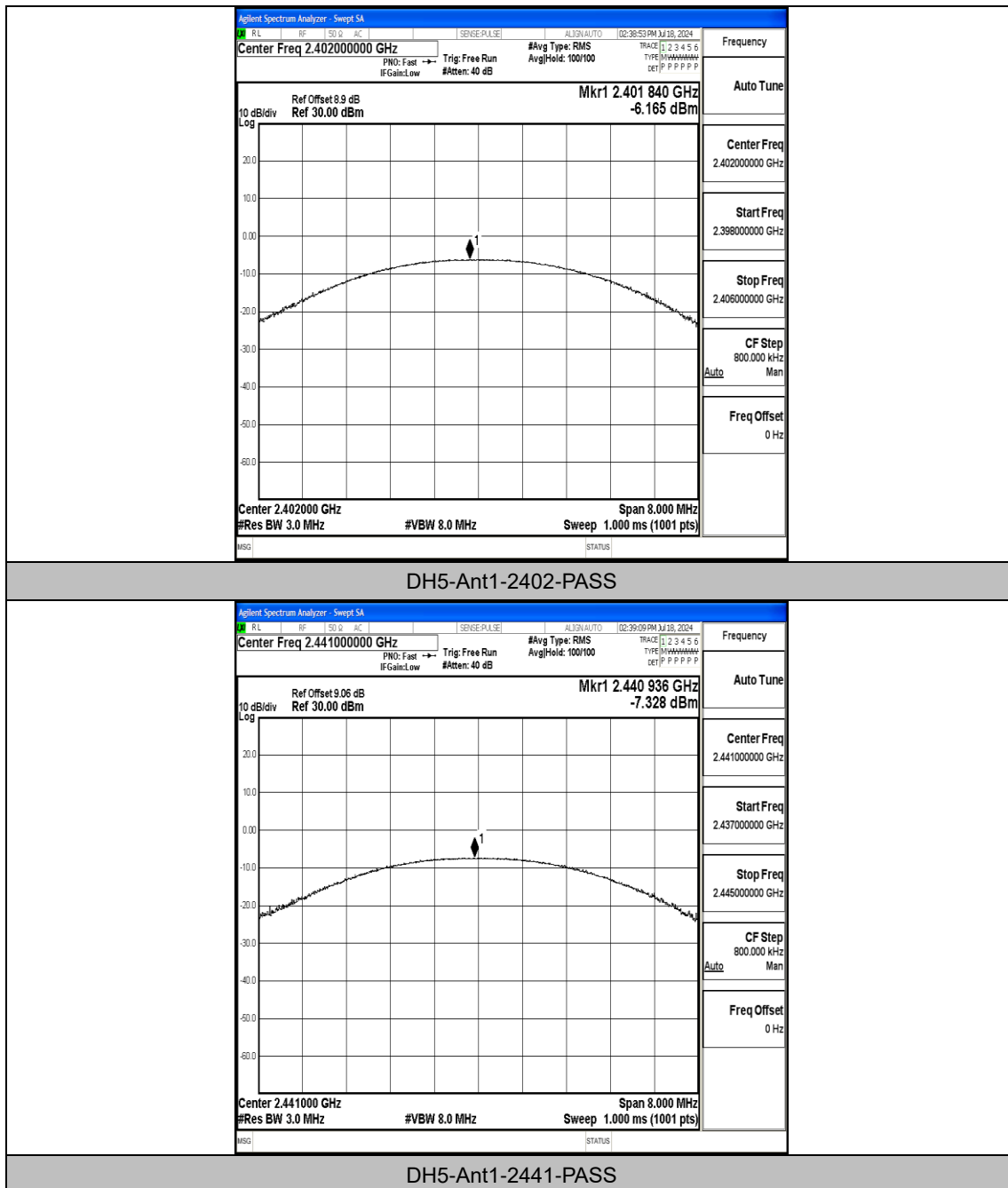


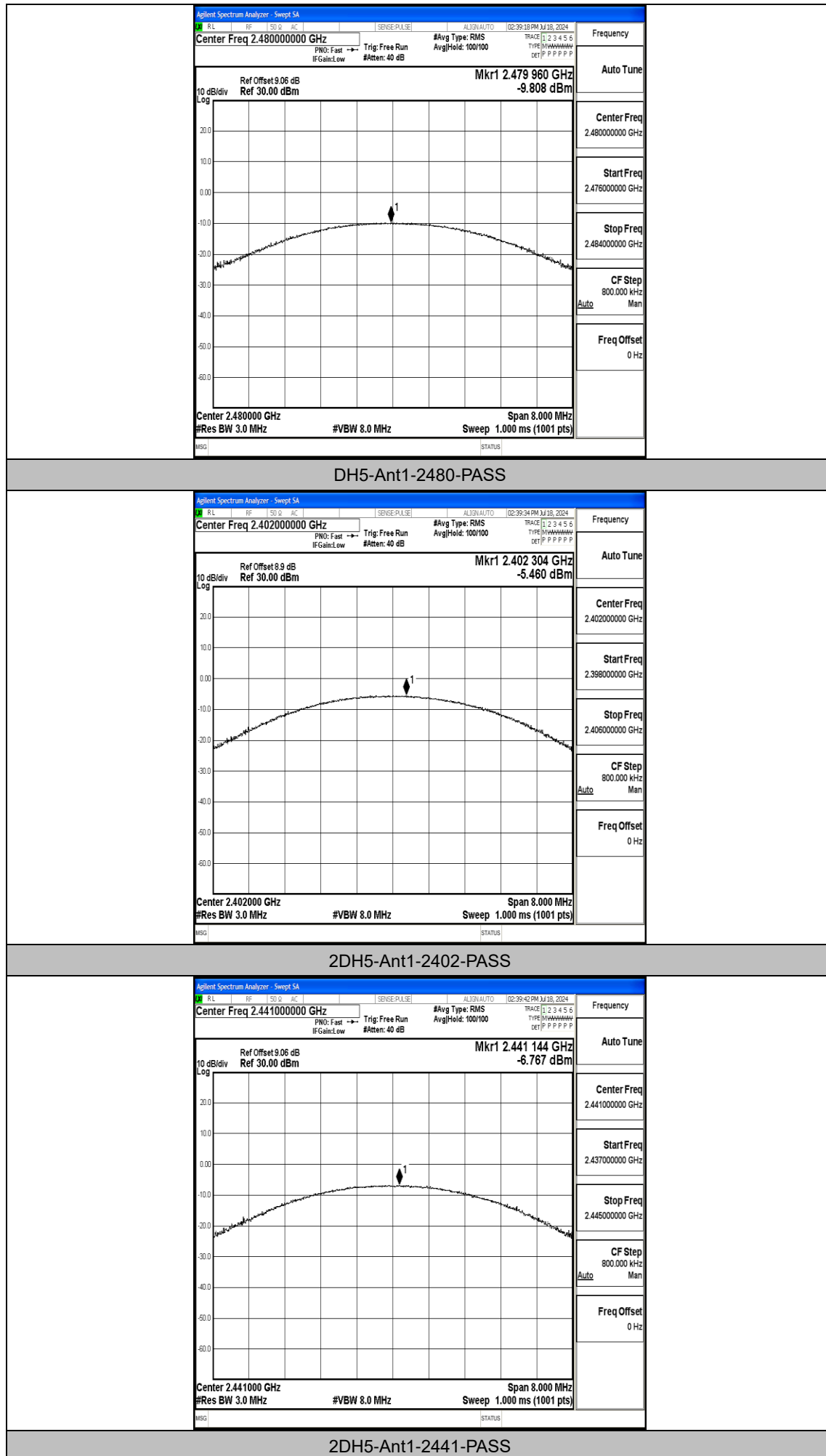
Appendix C: Maximum peak conducted output power

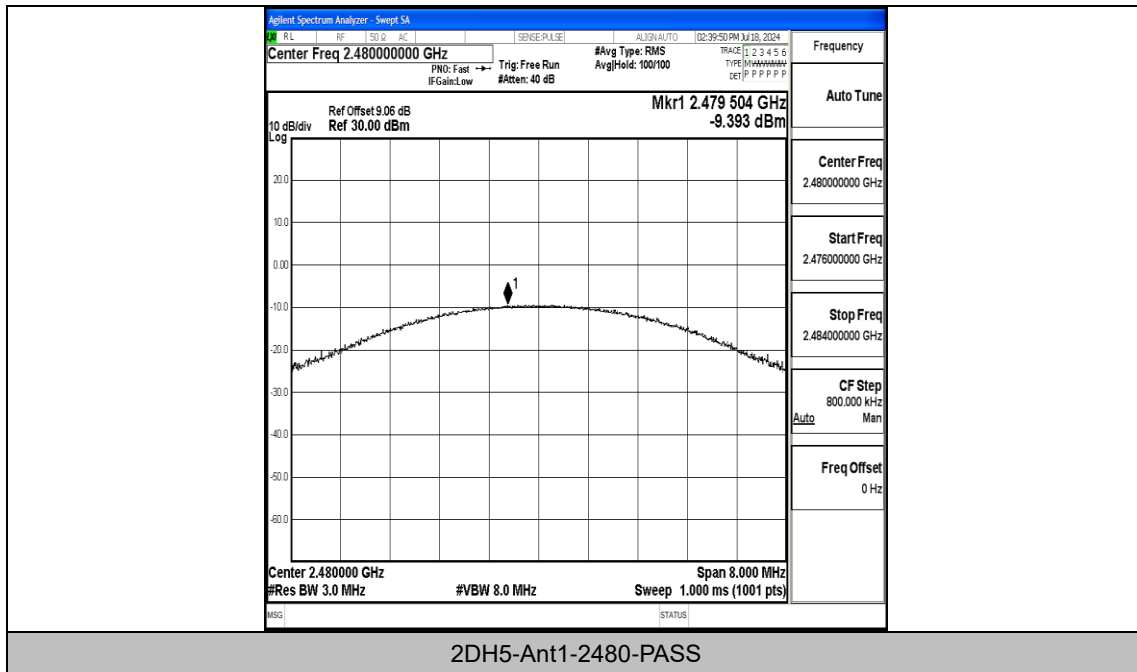
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-6.17	≤20.97	PASS
DH5	Ant1	2441	-7.33	≤20.97	PASS
DH5	Ant1	2480	-9.81	≤20.97	PASS
2DH5	Ant1	2402	-5.46	≤20.97	PASS
2DH5	Ant1	2441	-6.77	≤20.97	PASS
2DH5	Ant1	2480	-9.39	≤20.97	PASS

Test Graphs





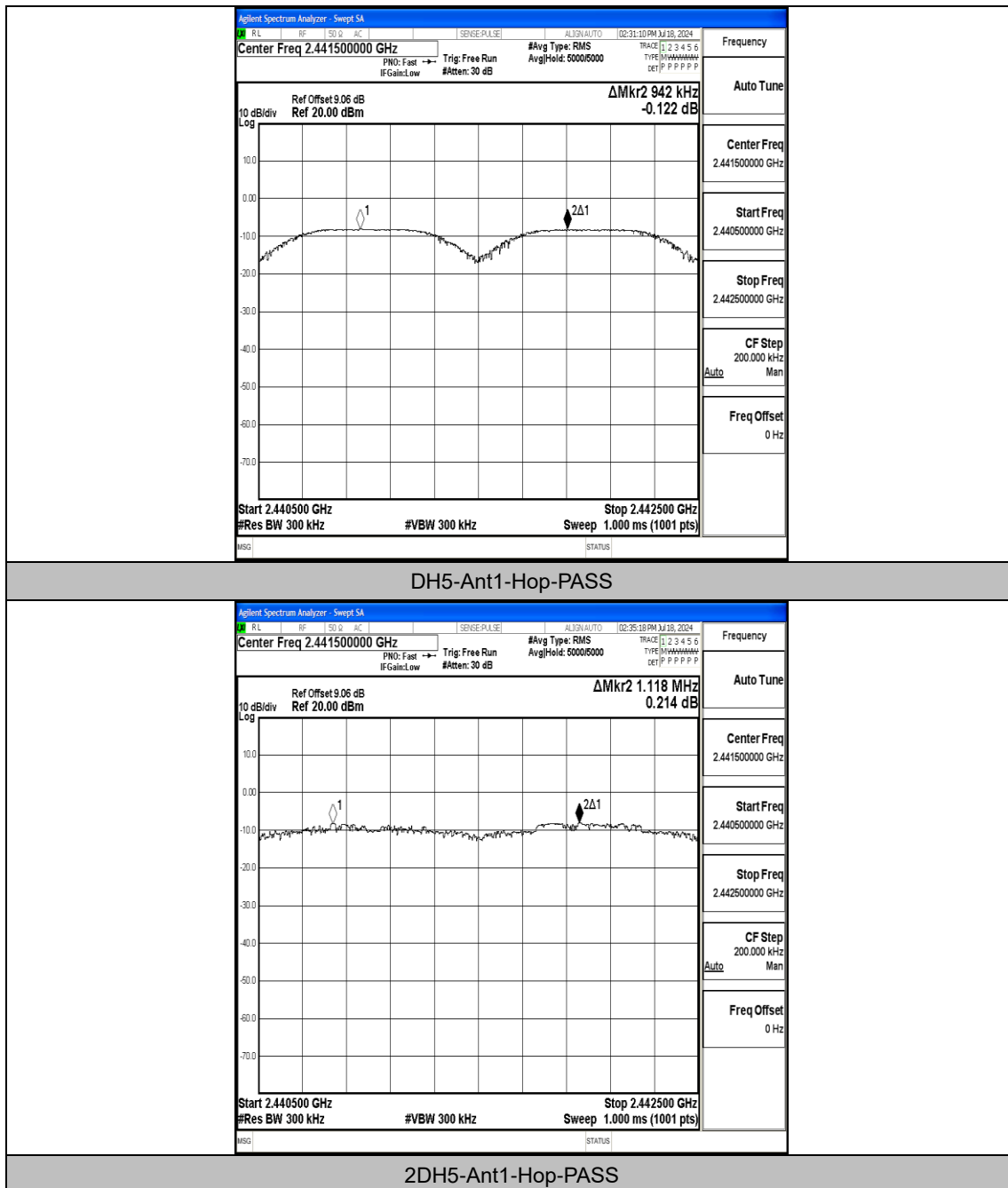


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.942	≥ 0.708	PASS
2DH5	Ant1	Hop	1.118	≥ 0.884	PASS

Test Graphs

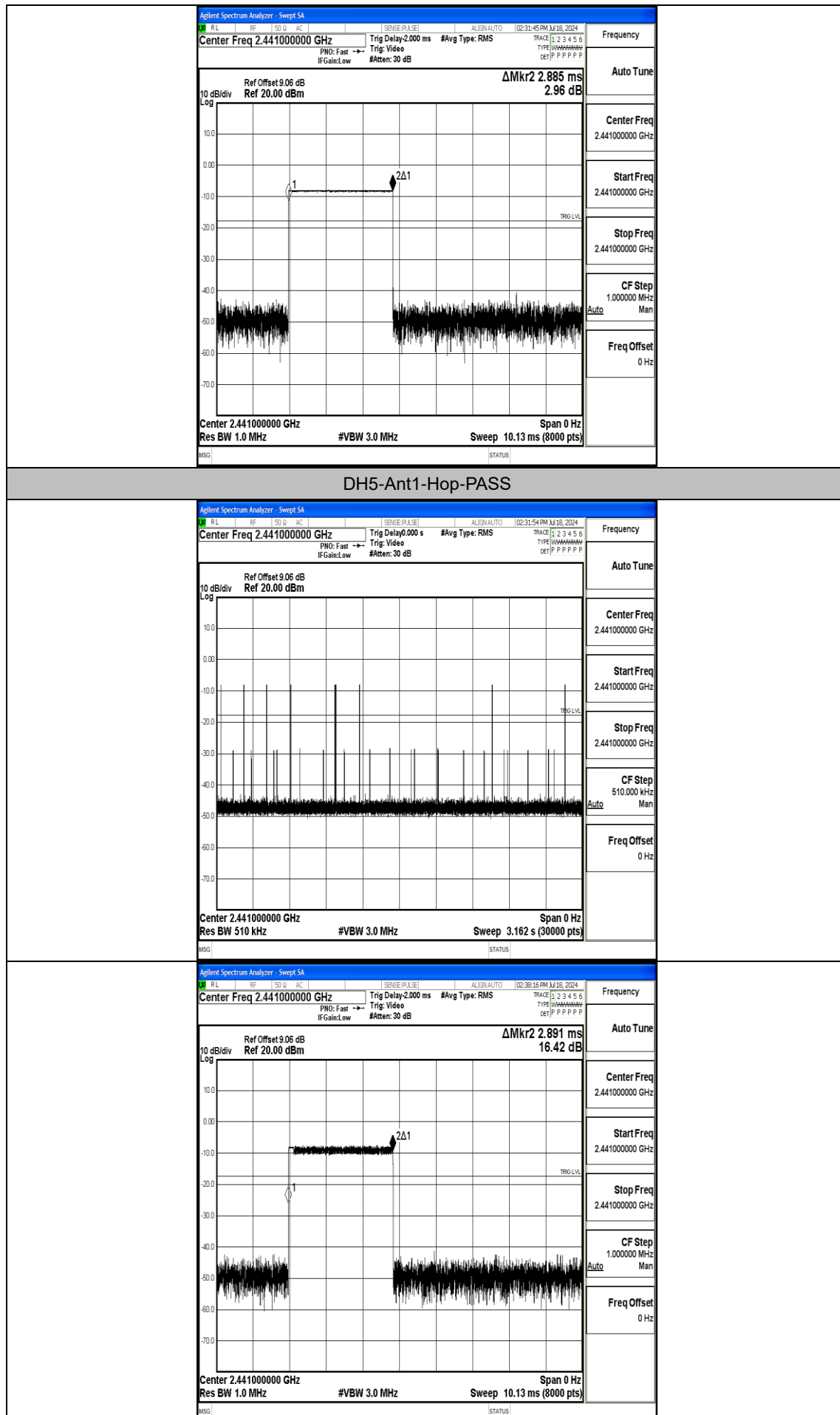


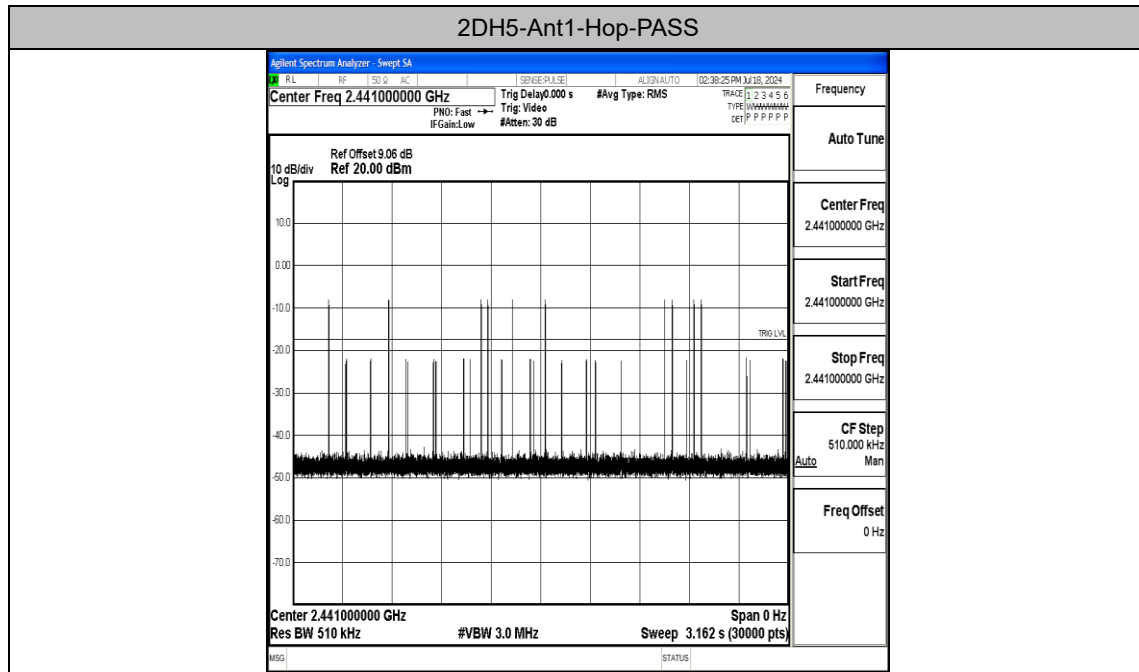
Appendix E: Time of occupancy

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	110	0.318	≤0.4	PASS

Test Graphs



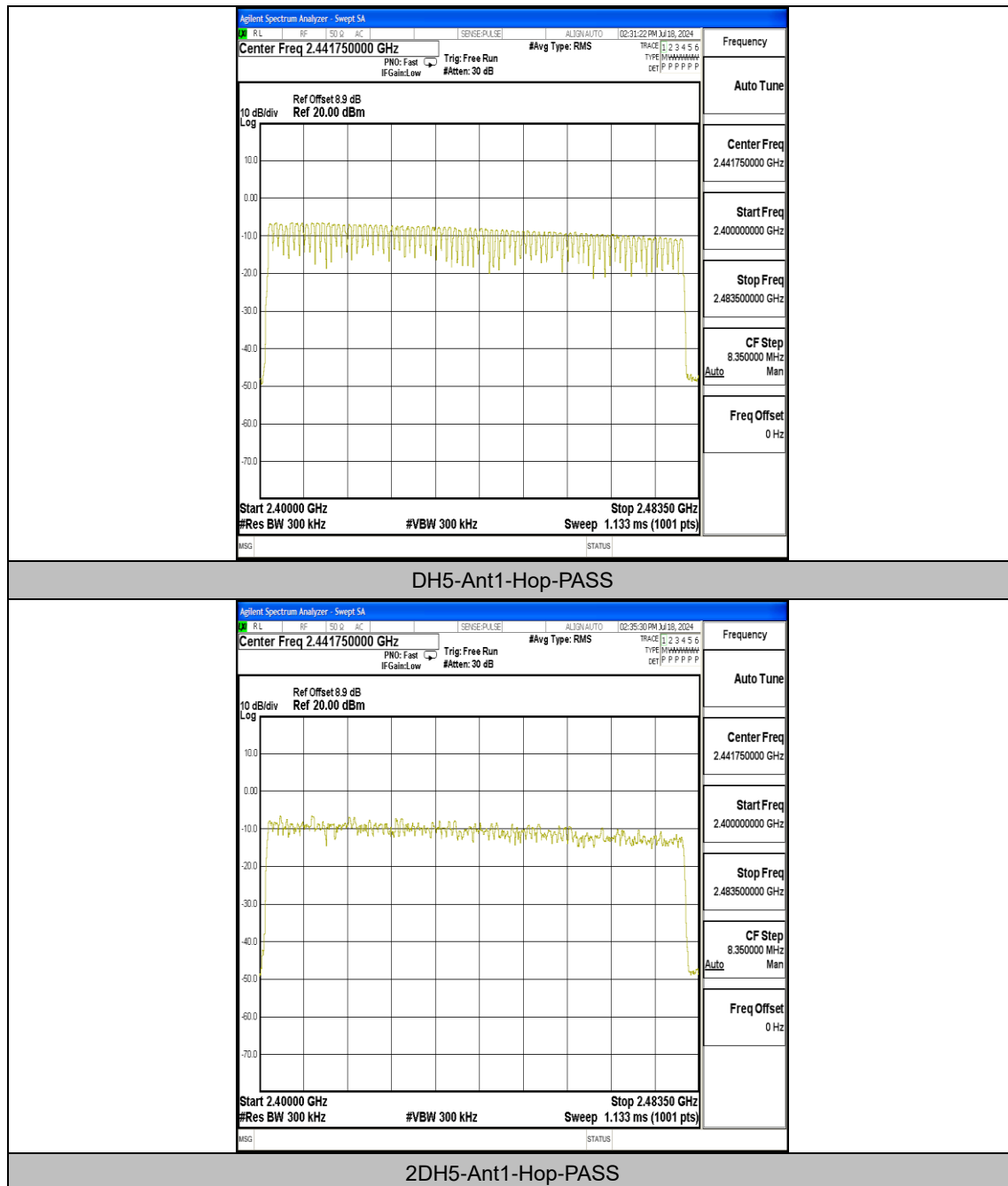


Appendix F: Number of hopping channels

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

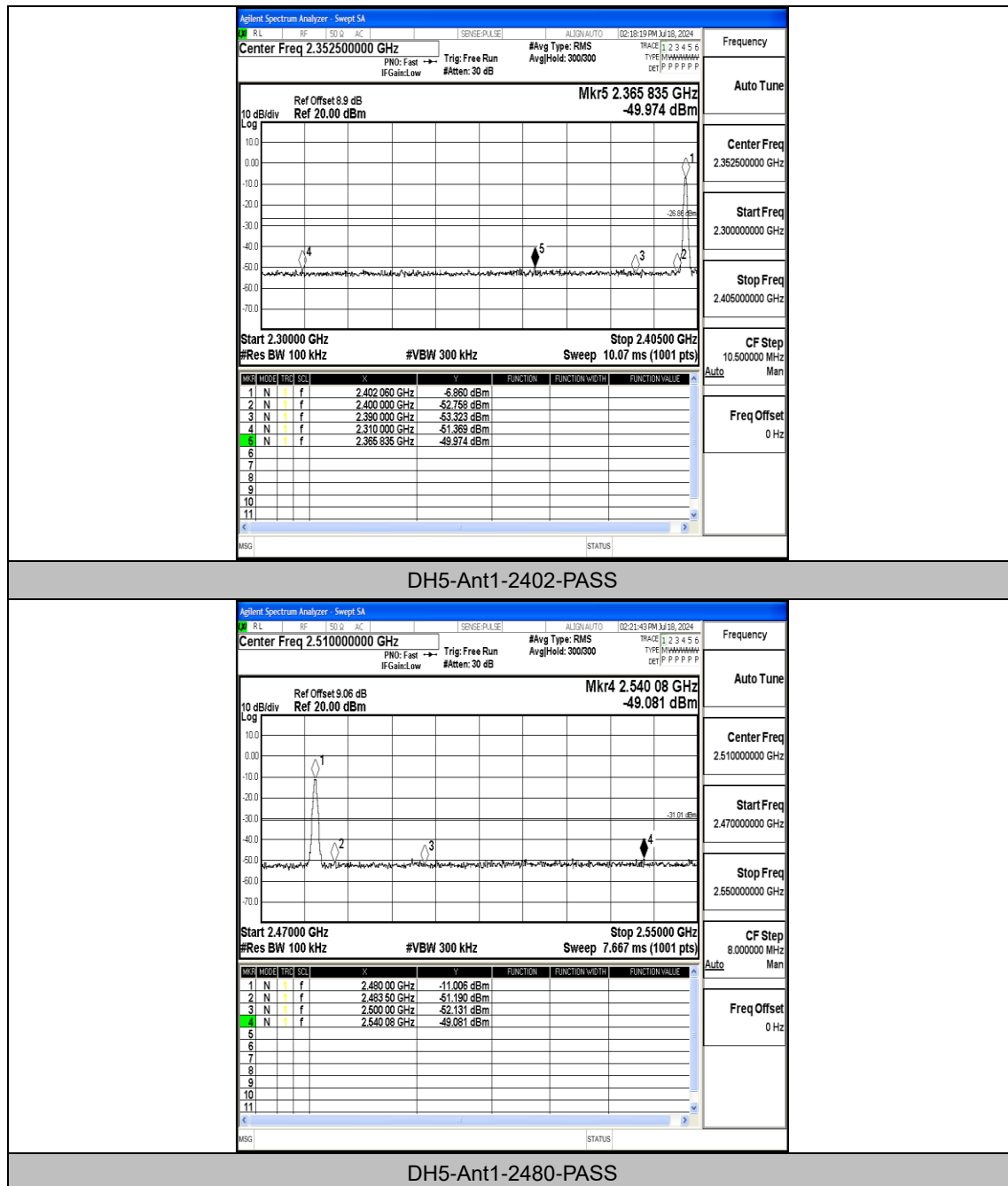


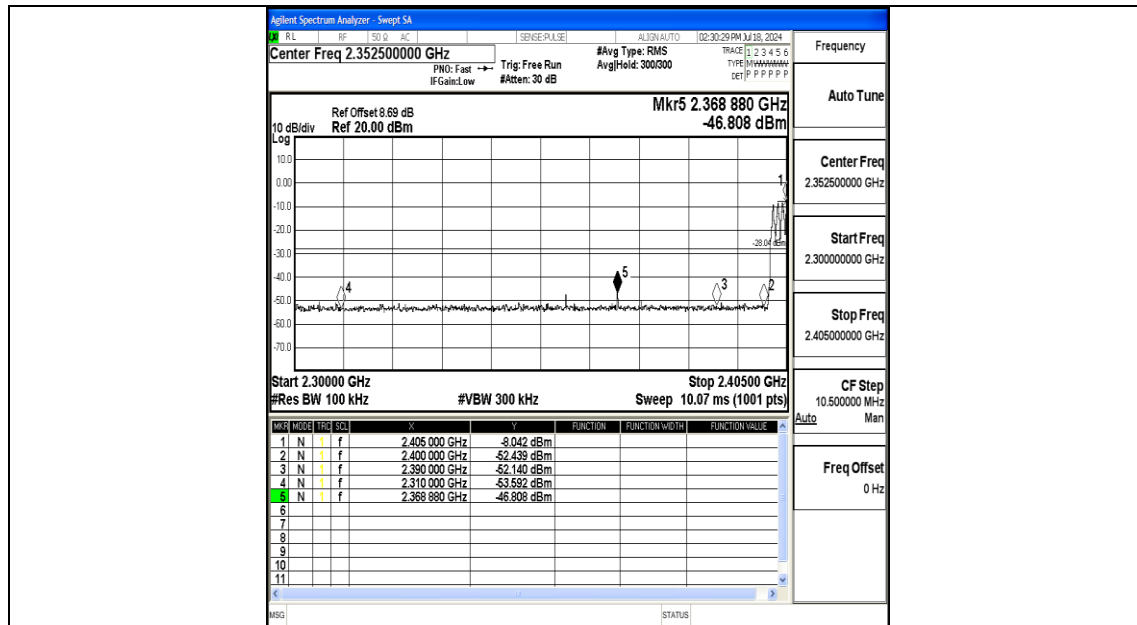
Appendix G: Band edge measurements

Test Result

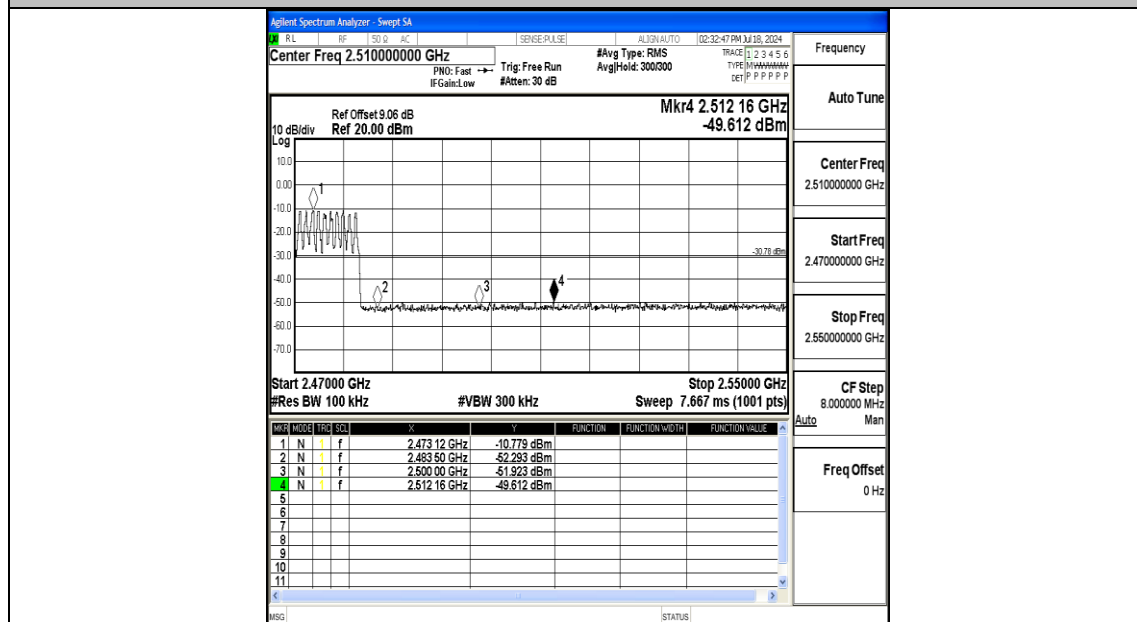
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-6.86	-49.97	≤ -26.86	PASS
DH5	Ant1	High	2480	-11.01	-49.08	≤ -31.01	PASS
DH5	Ant1	Low	Hop_2402	-8.04	-46.81	≤ -28.04	PASS
DH5	Ant1	High	Hop_2480	-10.78	-49.61	≤ -30.78	PASS
2DH5	Ant1	Low	2402	-6.85	-49.78	≤ -26.85	PASS
2DH5	Ant1	High	2480	-11.10	-48.56	≤ -31.1	PASS
2DH5	Ant1	Low	Hop_2402	-11.25	-50.08	≤ -31.25	PASS
2DH5	Ant1	High	Hop_2480	-12.25	-48.99	≤ -32.25	PASS

Test Graphs

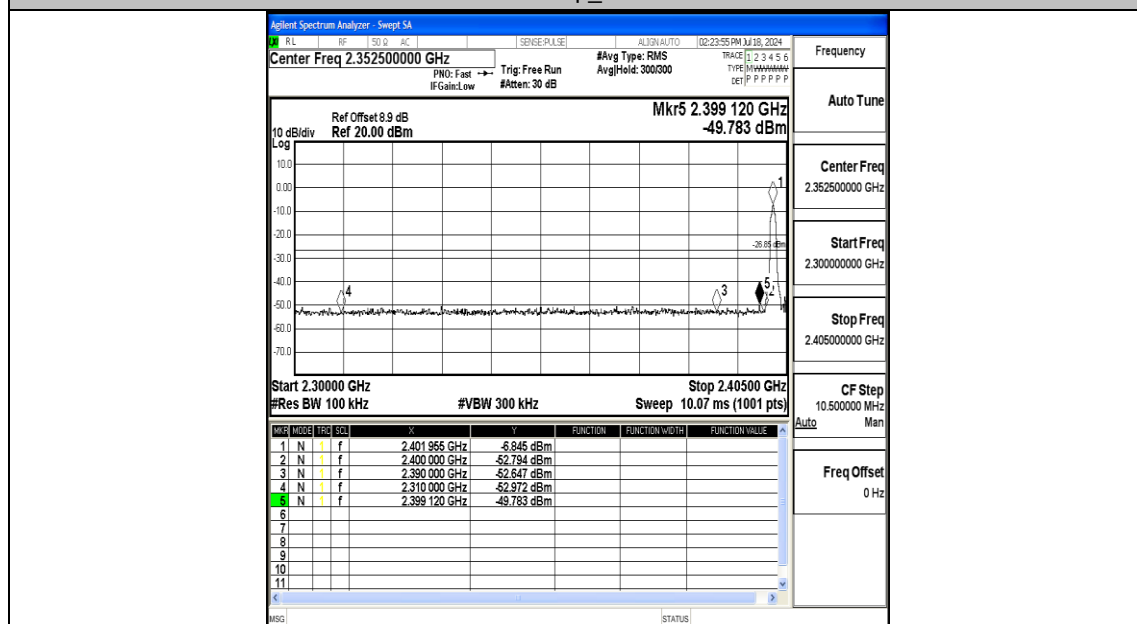




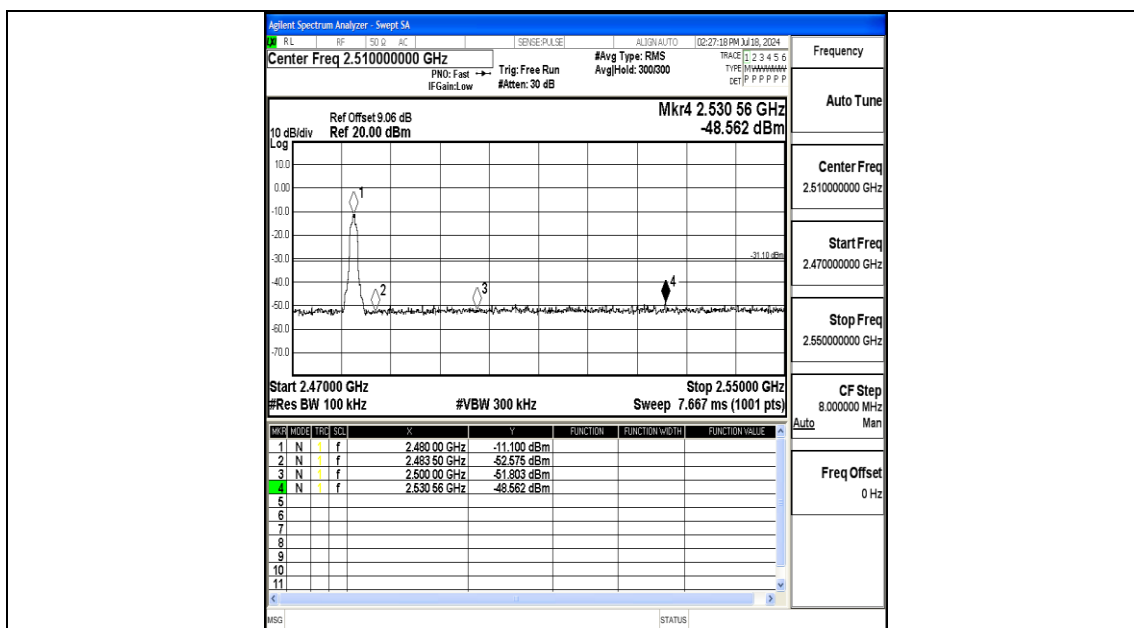
DH5-Ant1-Hop_2402-PASS



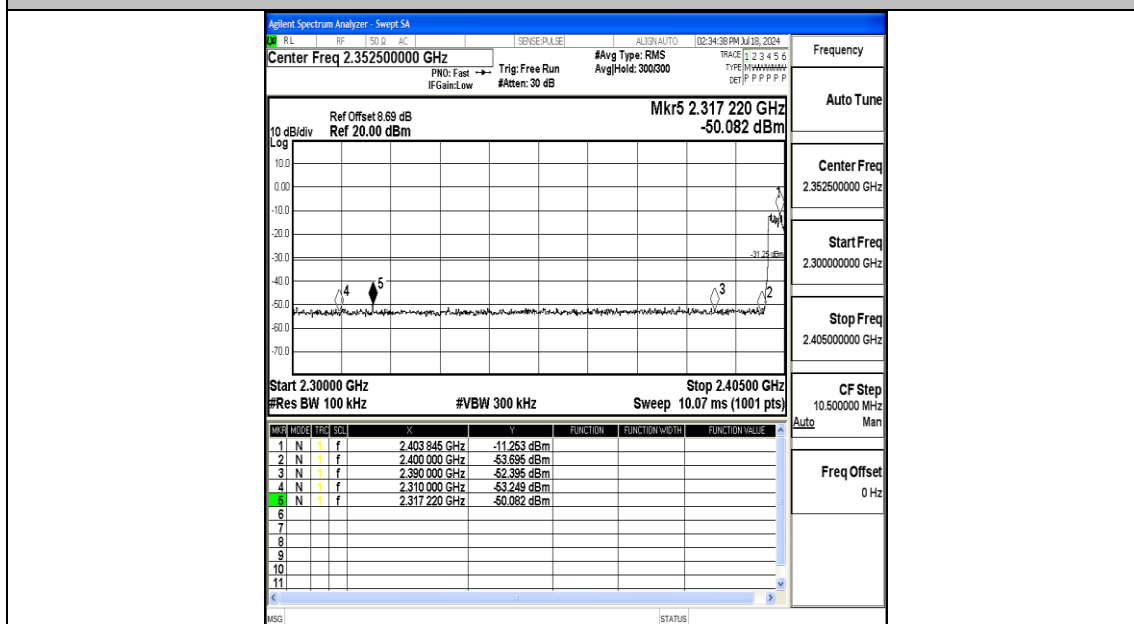
DH5-Ant1-Hop_2480-PASS



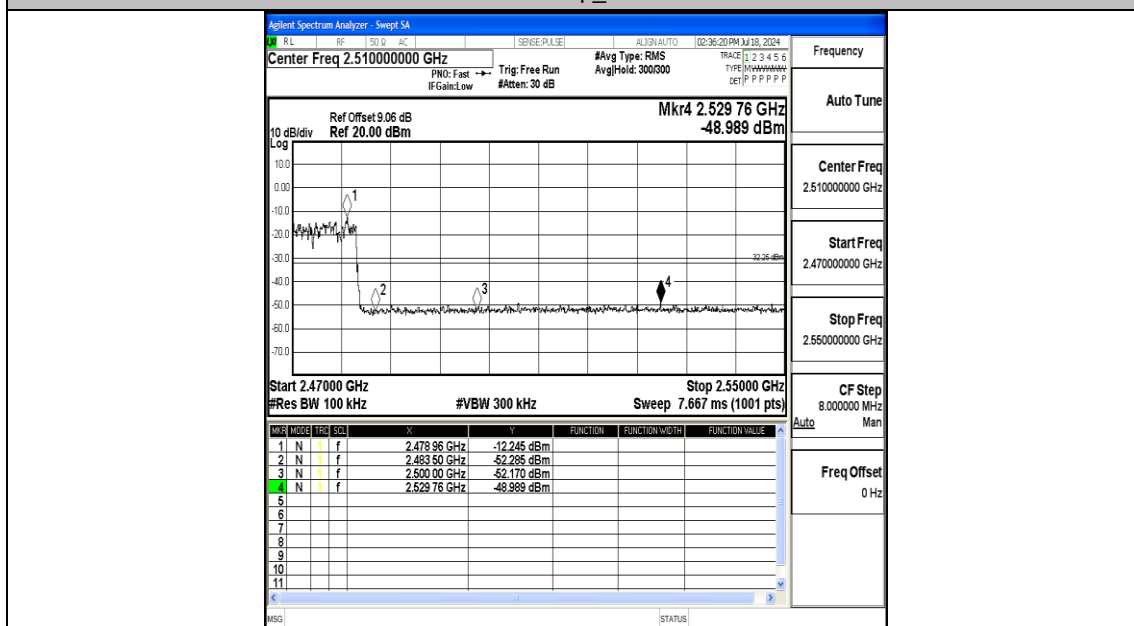
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



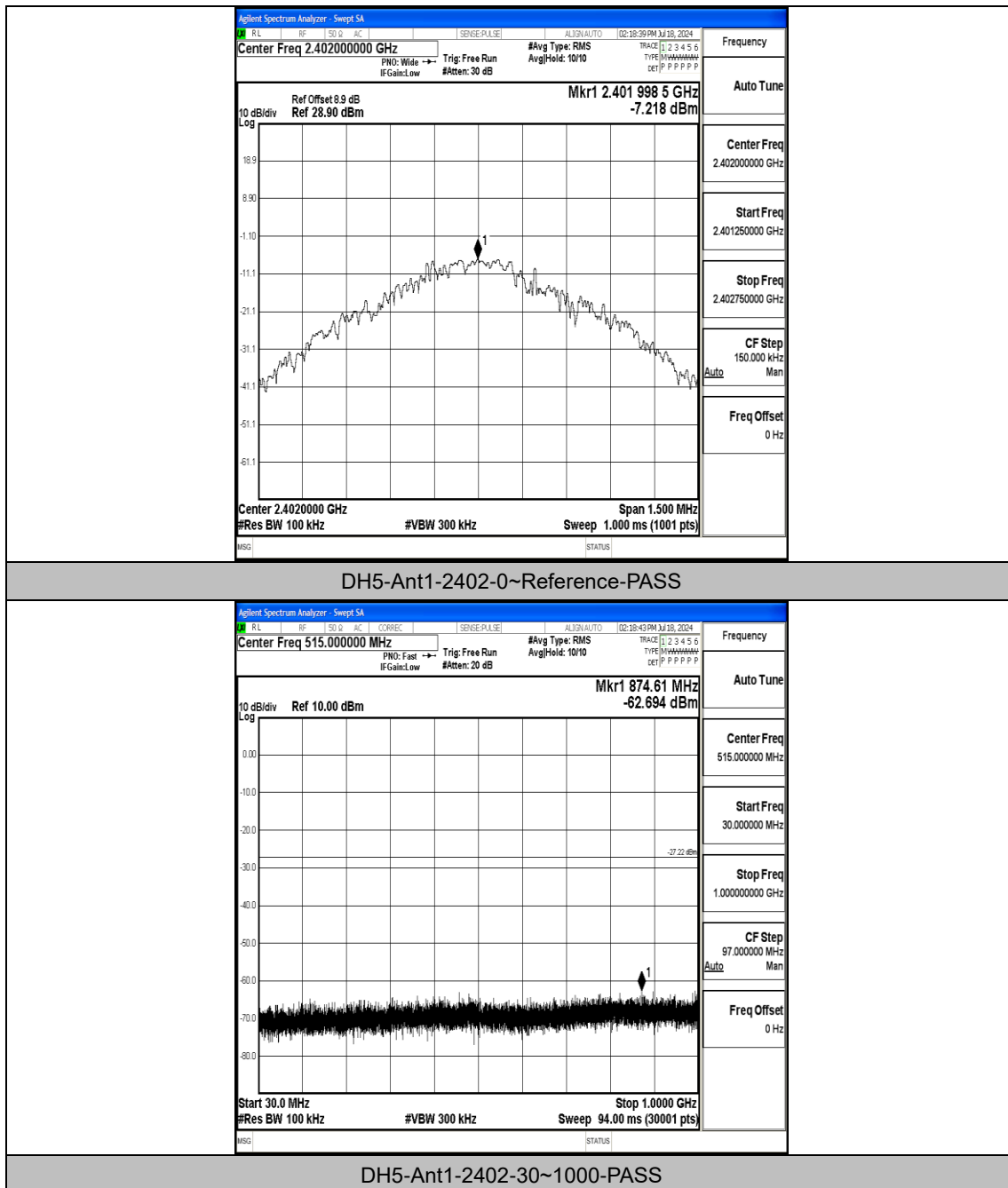
2DH5-Ant1-Hop_2480-PASS

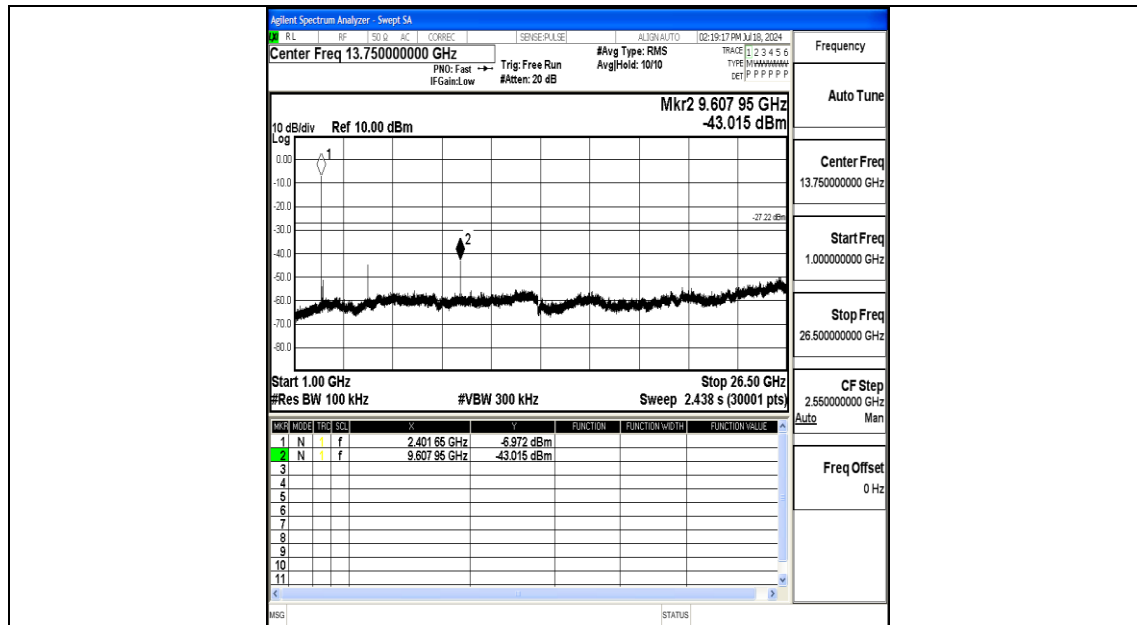
Appendix H: Conducted Spurious Emission

Test Result

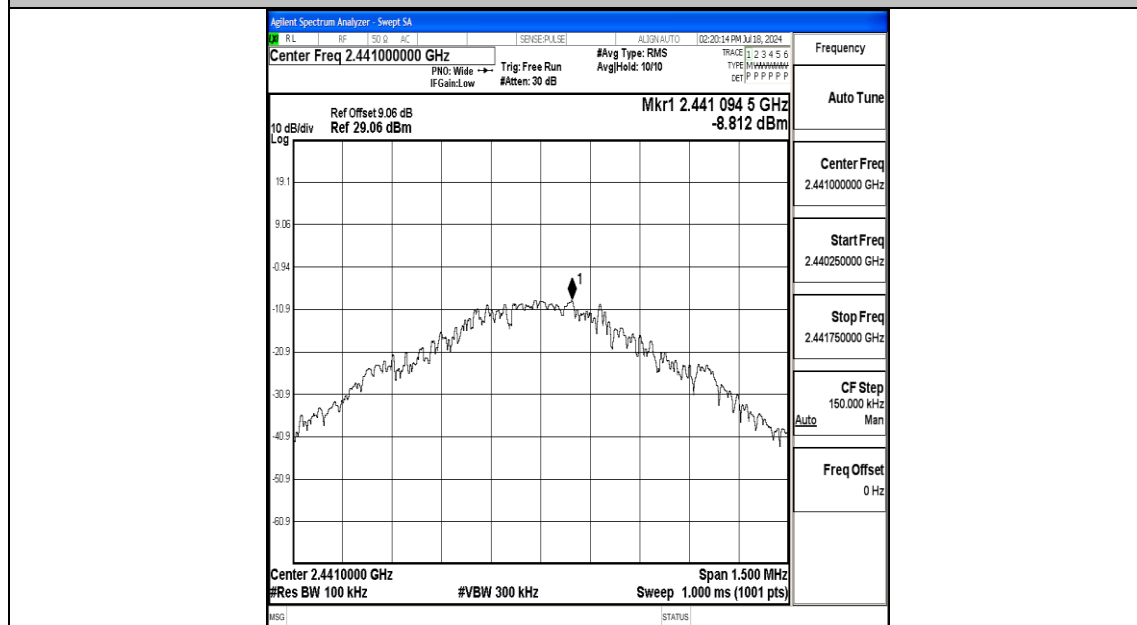
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-7.22	-7.22	---	PASS
DH5	Ant1	2402	30~1000	-7.22	-62.69	≤-27.22	PASS
DH5	Ant1	2402	1000~26500	-7.22	-43.02	≤-27.22	PASS
DH5	Ant1	2441	0~Reference	-8.81	-8.81	---	PASS
DH5	Ant1	2441	30~1000	-8.81	-59.71	≤-28.81	PASS
DH5	Ant1	2441	1000~26500	-8.81	-41.92	≤-28.81	PASS
DH5	Ant1	2480	0~Reference	-11.43	-11.43	---	PASS
DH5	Ant1	2480	30~1000	-11.43	-61.72	≤-31.43	PASS
DH5	Ant1	2480	1000~26500	-11.43	-41.61	≤-31.43	PASS
2DH5	Ant1	2402	0~Reference	-10.24	-10.24	---	PASS
2DH5	Ant1	2402	30~1000	-10.24	-62.08	≤-30.24	PASS
2DH5	Ant1	2402	1000~26500	-10.24	-39.91	≤-30.24	PASS
2DH5	Ant1	2441	0~Reference	-8.30	-8.30	---	PASS
2DH5	Ant1	2441	30~1000	-8.30	-62.91	≤-28.3	PASS
2DH5	Ant1	2441	1000~26500	-8.30	-41.67	≤-28.3	PASS
2DH5	Ant1	2480	0~Reference	-14.54	-14.54	---	PASS
2DH5	Ant1	2480	30~1000	-14.54	-59.81	≤-34.54	PASS
2DH5	Ant1	2480	1000~26500	-14.54	-40.61	≤-34.54	PASS

Test Graphs

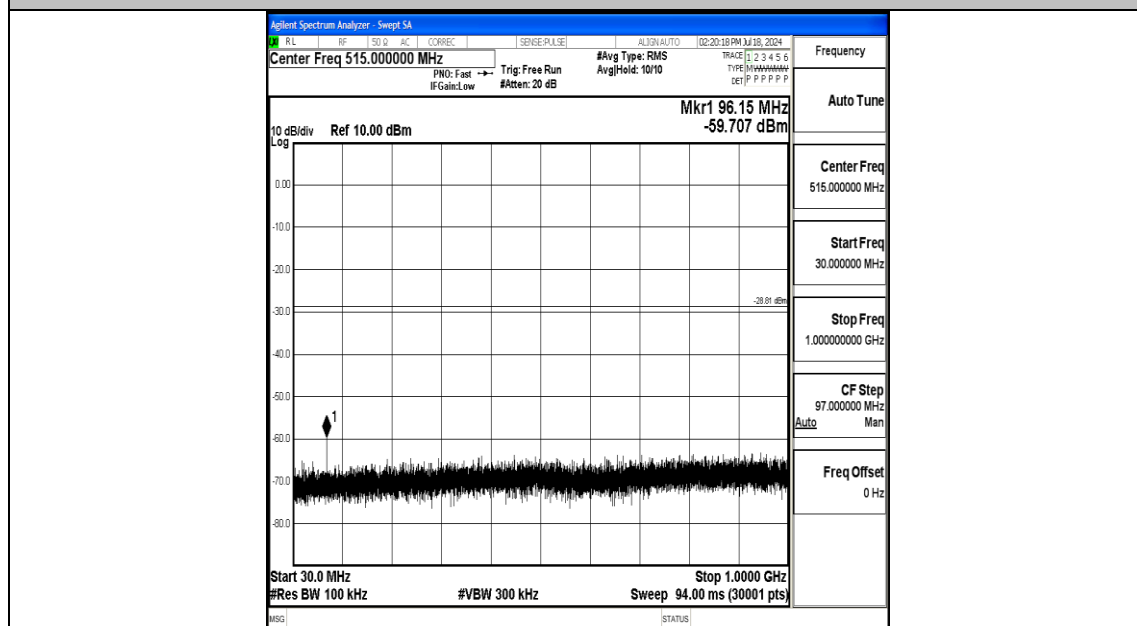




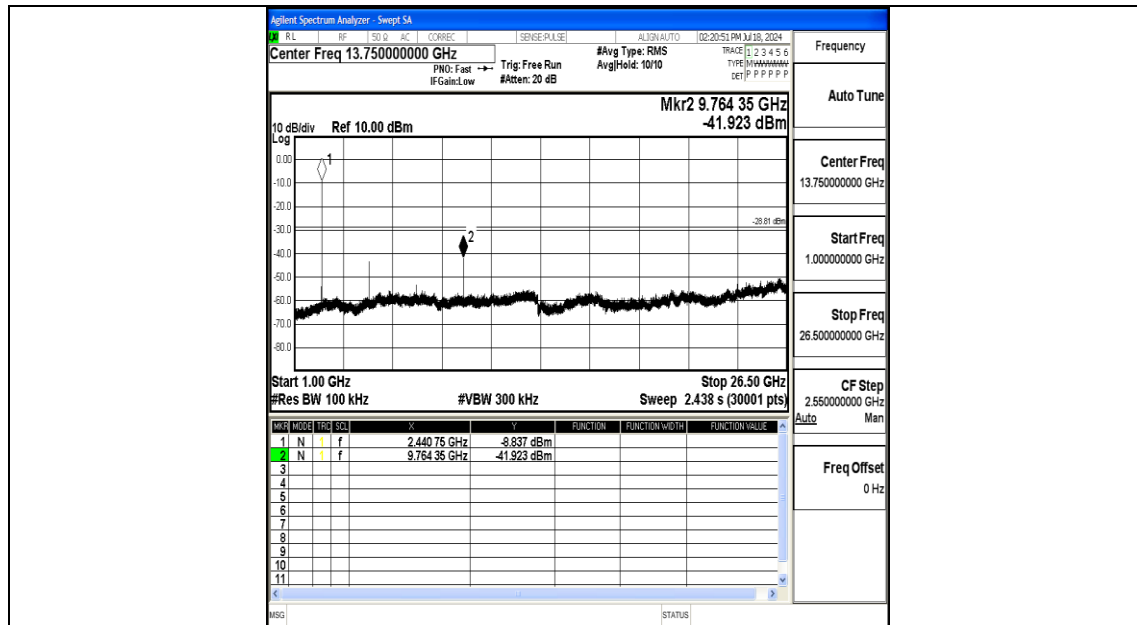
DH5-Ant1-2402-1000~26500-PASS



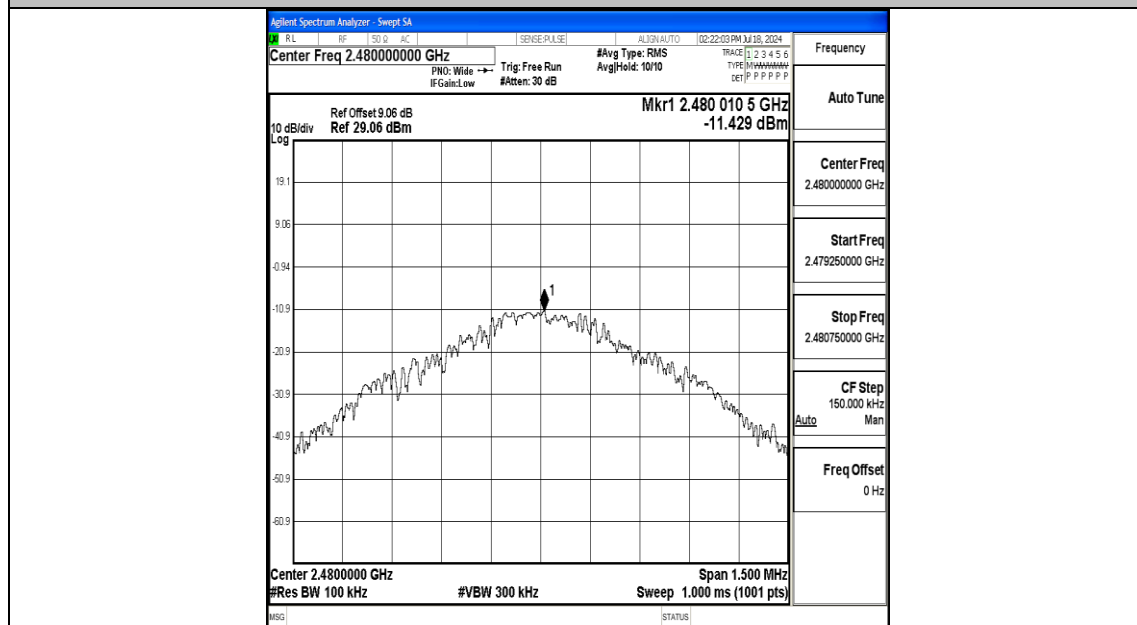
DH5-Ant1-2441-0~Reference-PASS



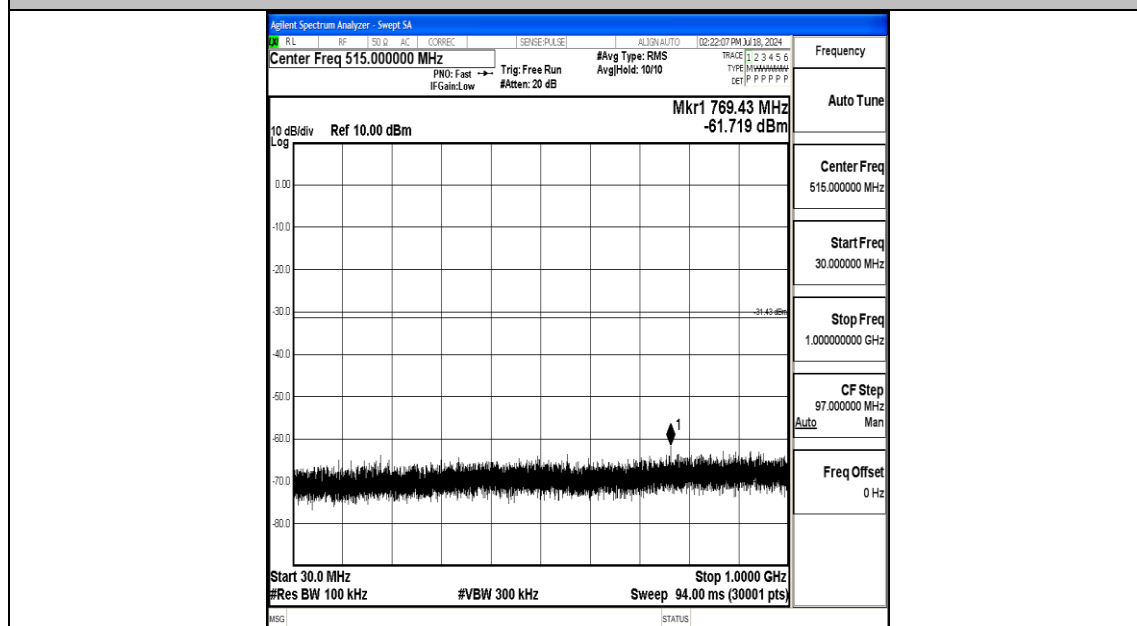
DH5-Ant1-2441-30~1000-PASS



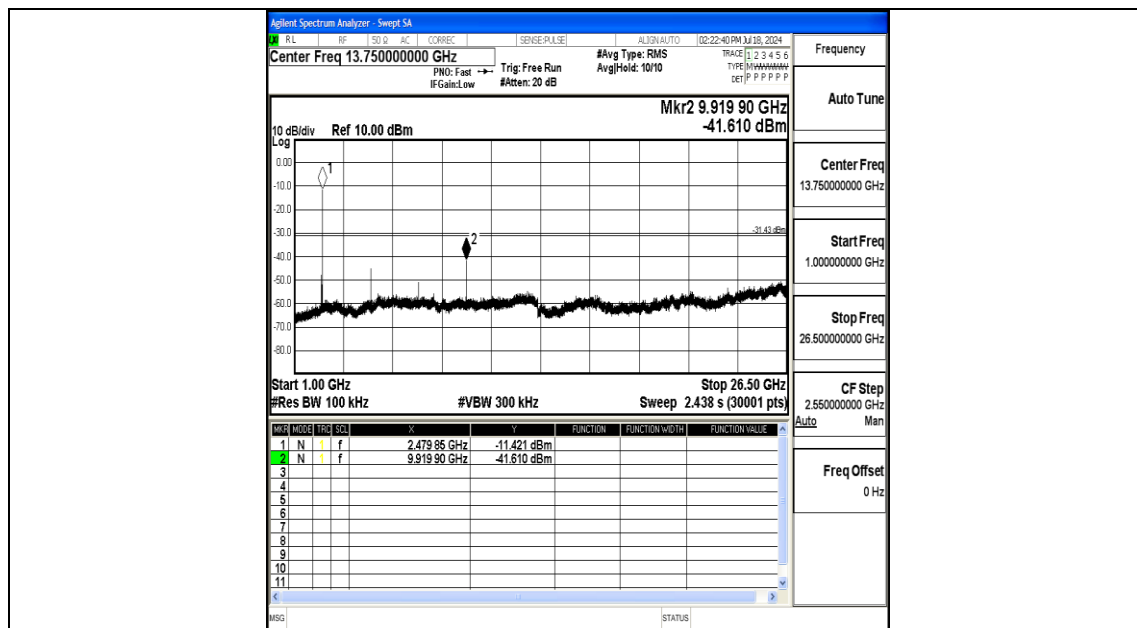
DH5-Ant1-2441-1000~26500-PASS



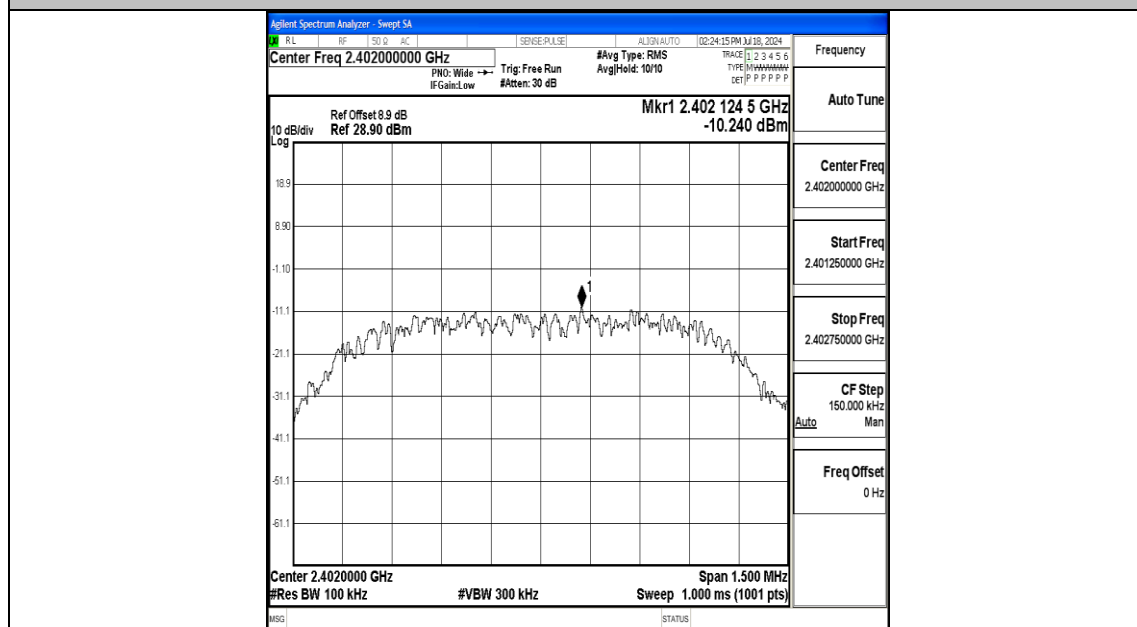
DH5-Ant1-2480-0~Reference-PASS



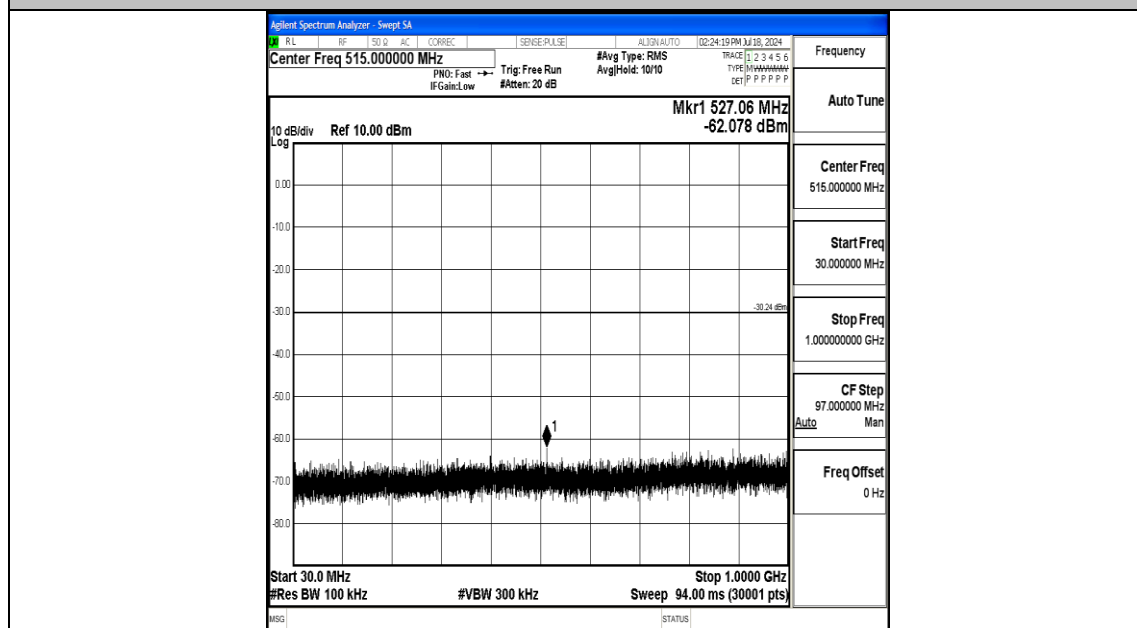
DH5-Ant1-2480-30~1000-PASS



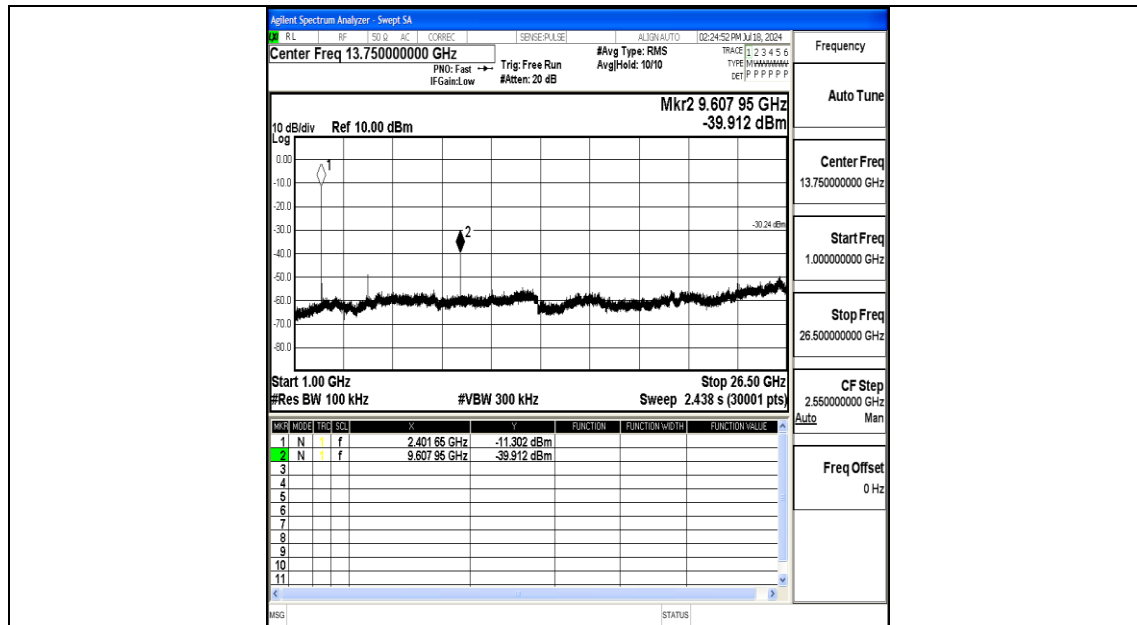
DH5-Ant1-2480-1000~26500-PASS



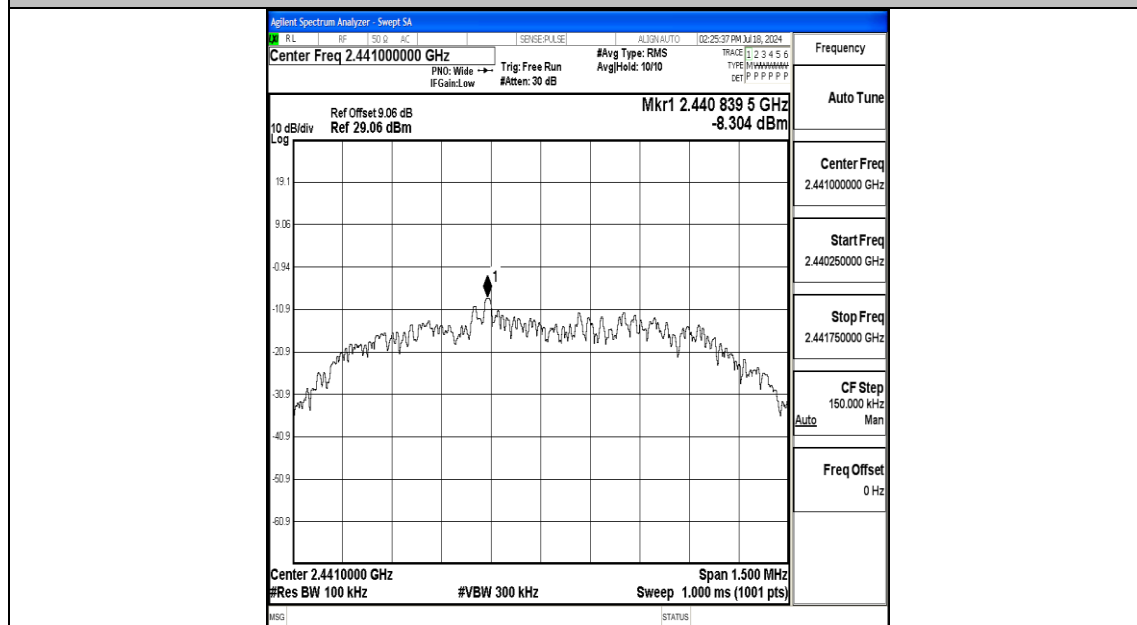
2DH5-Ant1-2402-0~Reference-PASS



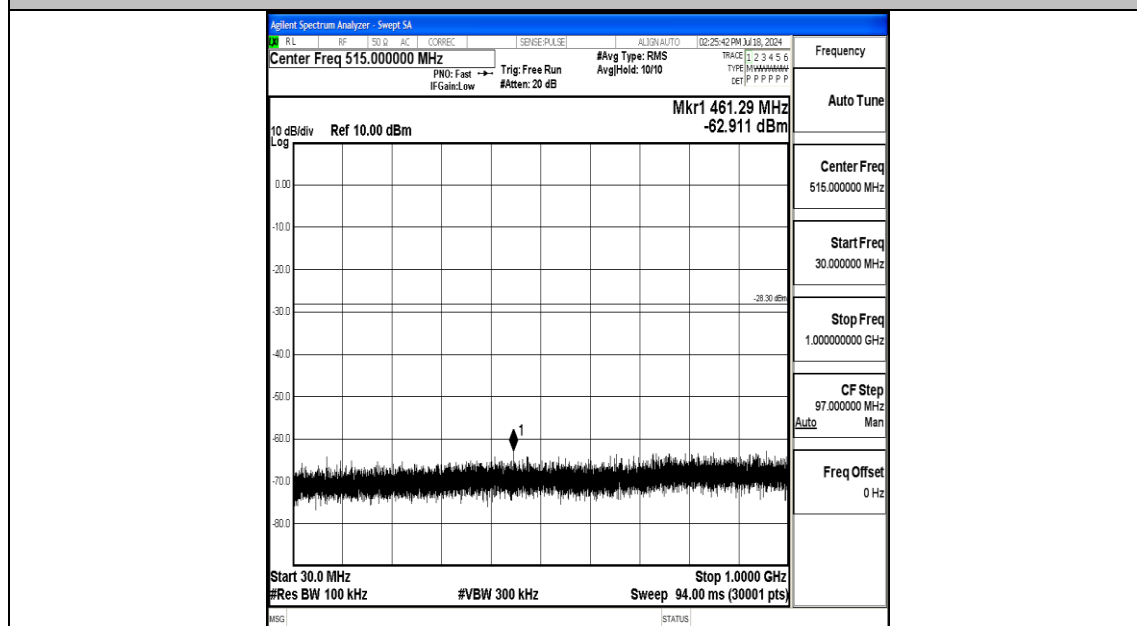
2DH5-Ant1-2402-30~1000-PASS



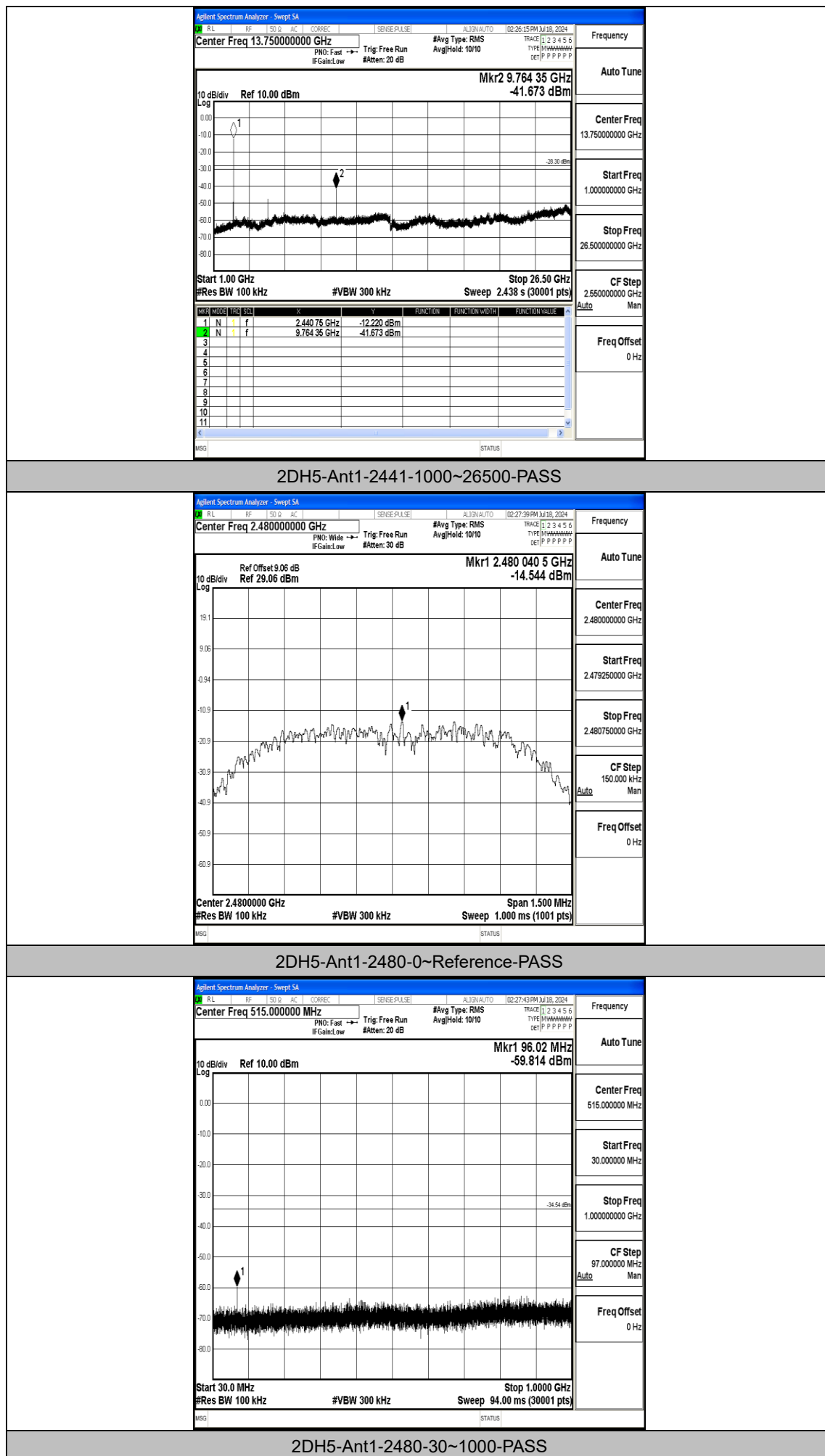
2DH5-Ant1-2402-1000~26500-PASS

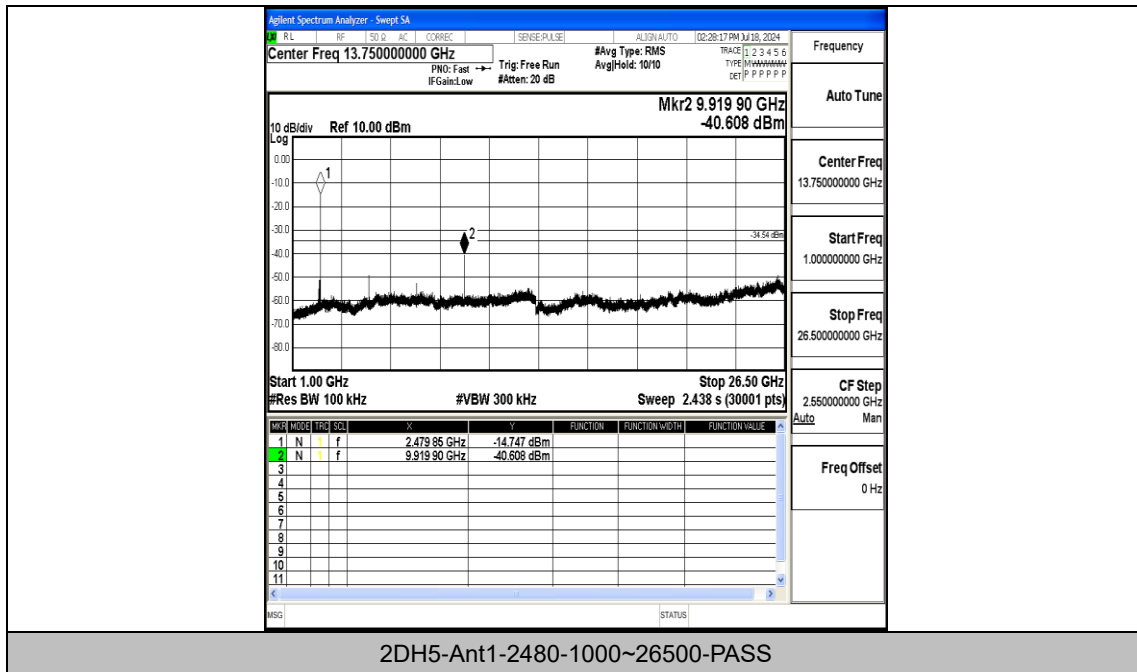


2DH5-Ant1-2441-0~Reference-PASS



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	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.74	77.27	1.12
DH5	Ant1	2480	2.89	3.74	77.27	1.12
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.74	77.27	1.12
2DH5	Ant1	2480	2.89	3.74	77.27	1.12

Test Graphs

