

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

Product Name: TWS Bluetooth headset

Trade Mark: N/A

Test Model: G37

FCC ID: 2BFD9-G37

Environmental Conditions

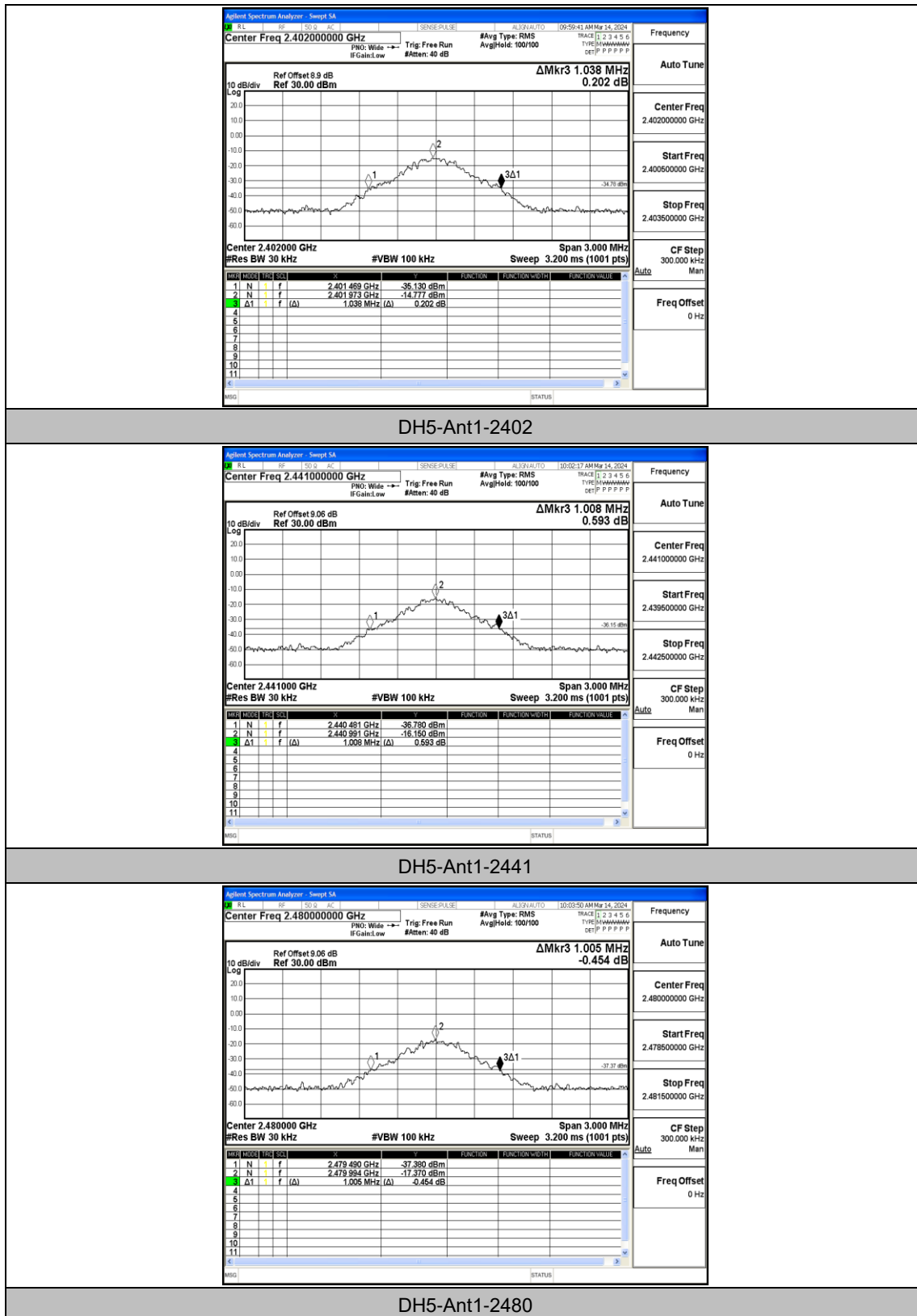
Temperature:	22.8° C
Relative Humidity:	56%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

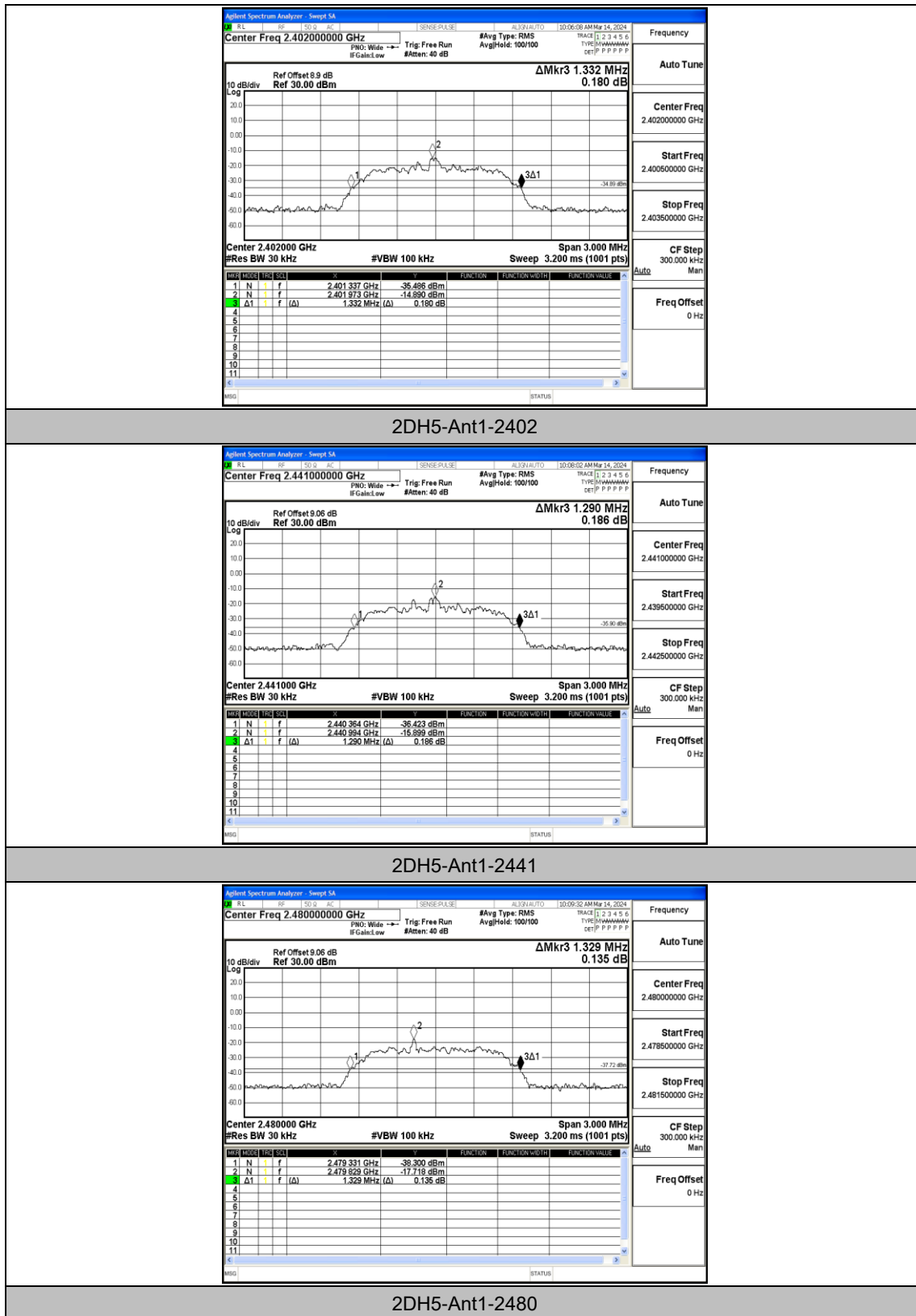
Appendix A: 20dB Emission Bandwidth

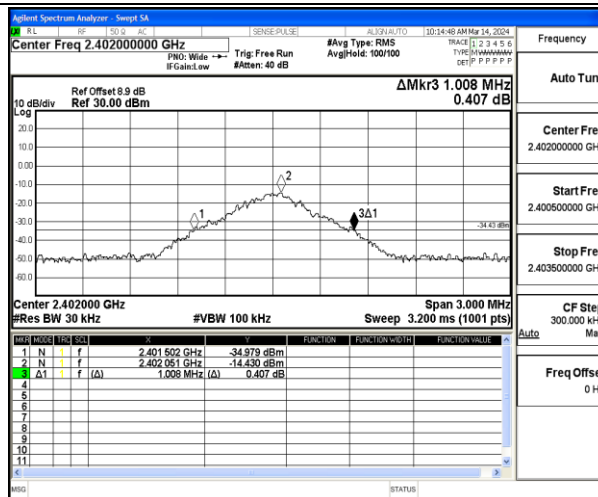
Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.038	2401.469	2402.507	---	---
DH5	Ant1	2441	1.008	2440.481	2441.489	---	---
DH5	Ant1	2480	1.005	2479.490	2480.495	---	---
2DH5	Ant1	2402	1.332	2401.337	2402.669	---	---
2DH5	Ant1	2441	1.290	2440.364	2441.654	---	---
2DH5	Ant1	2480	1.329	2479.331	2480.660	---	---
3DH5	Ant1	2402	1.008	2401.502	2402.510	---	---
3DH5	Ant1	2441	1.029	2440.481	2441.510	---	---
3DH5	Ant1	2480	1.026	2479.490	2480.516	---	---

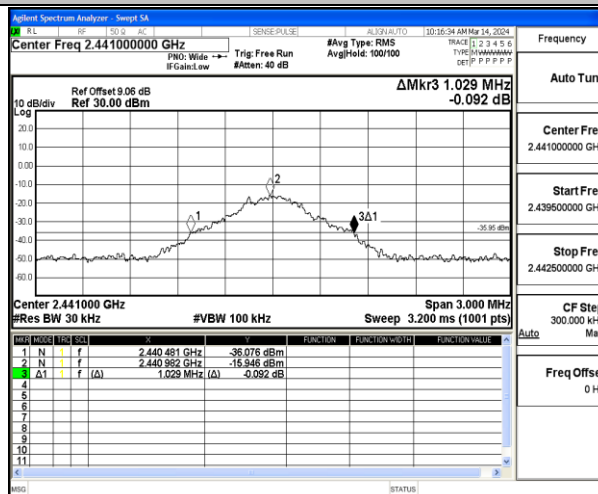
Test Graphs



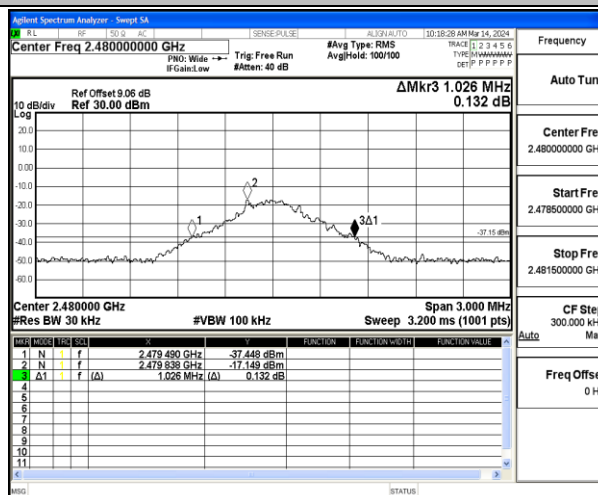




3DH5-Ant1-2402



3DH5-Ant1-2441



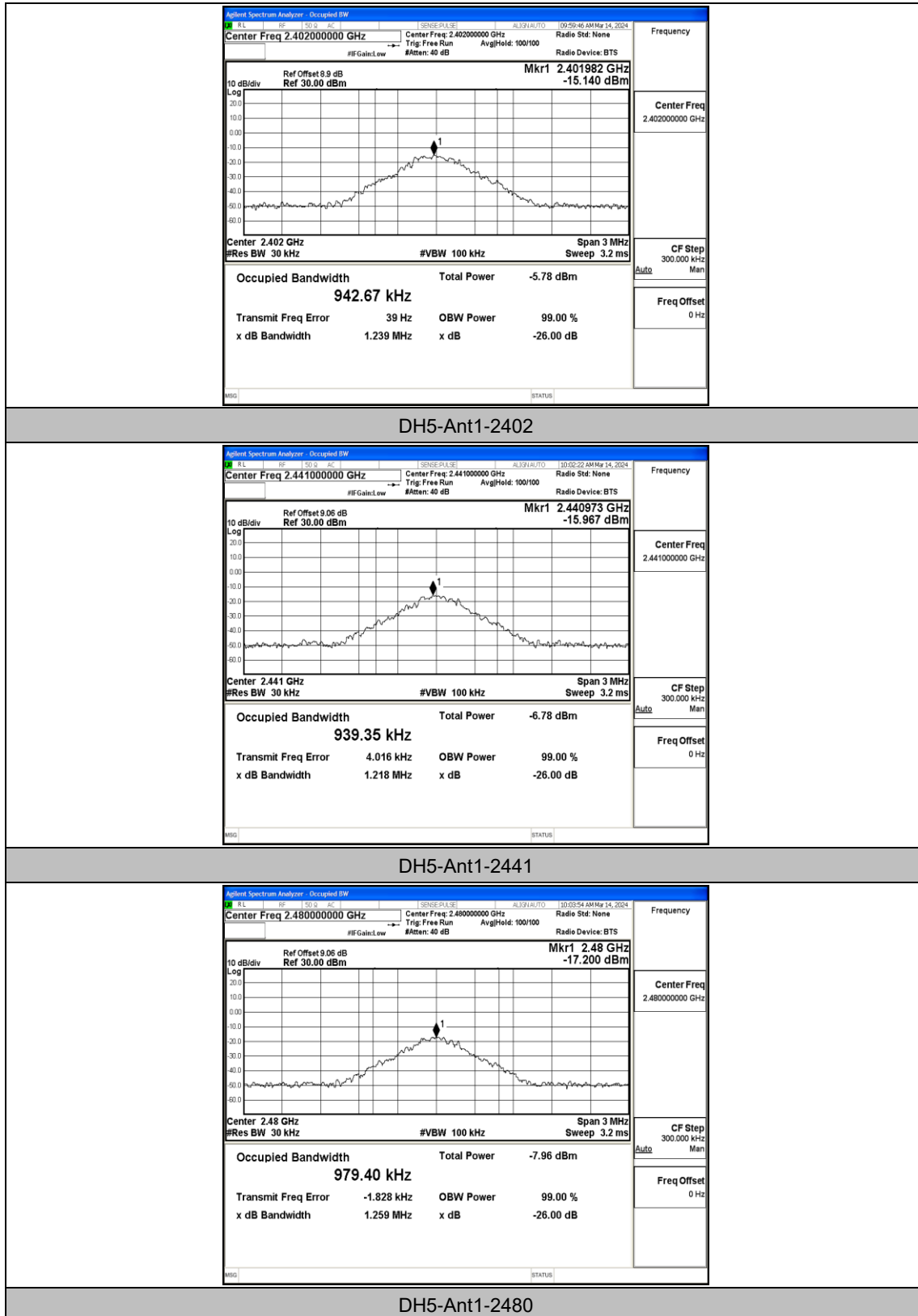
3DH5-Ant1-2480

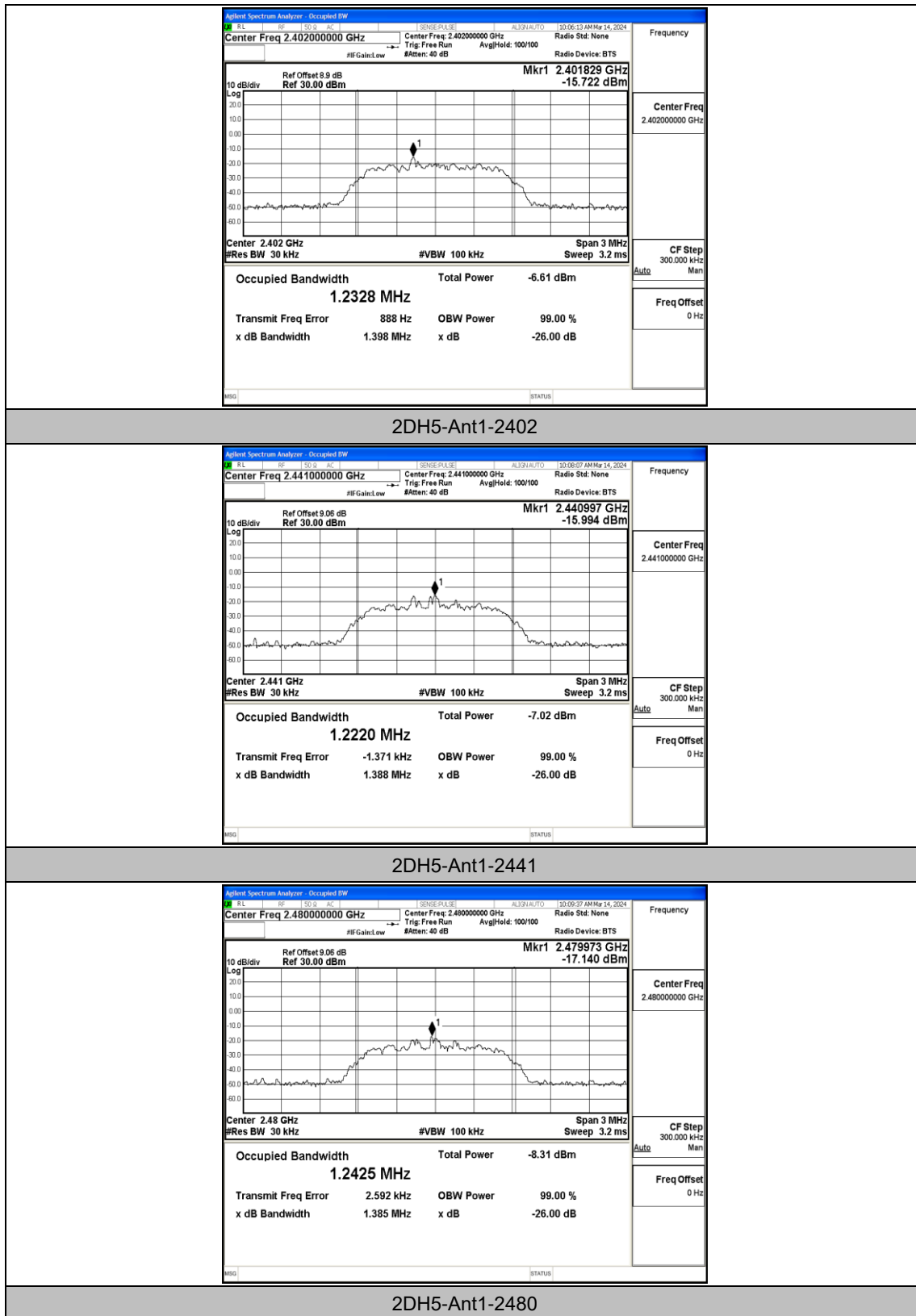
Appendix B: Occupied Channel Bandwidth

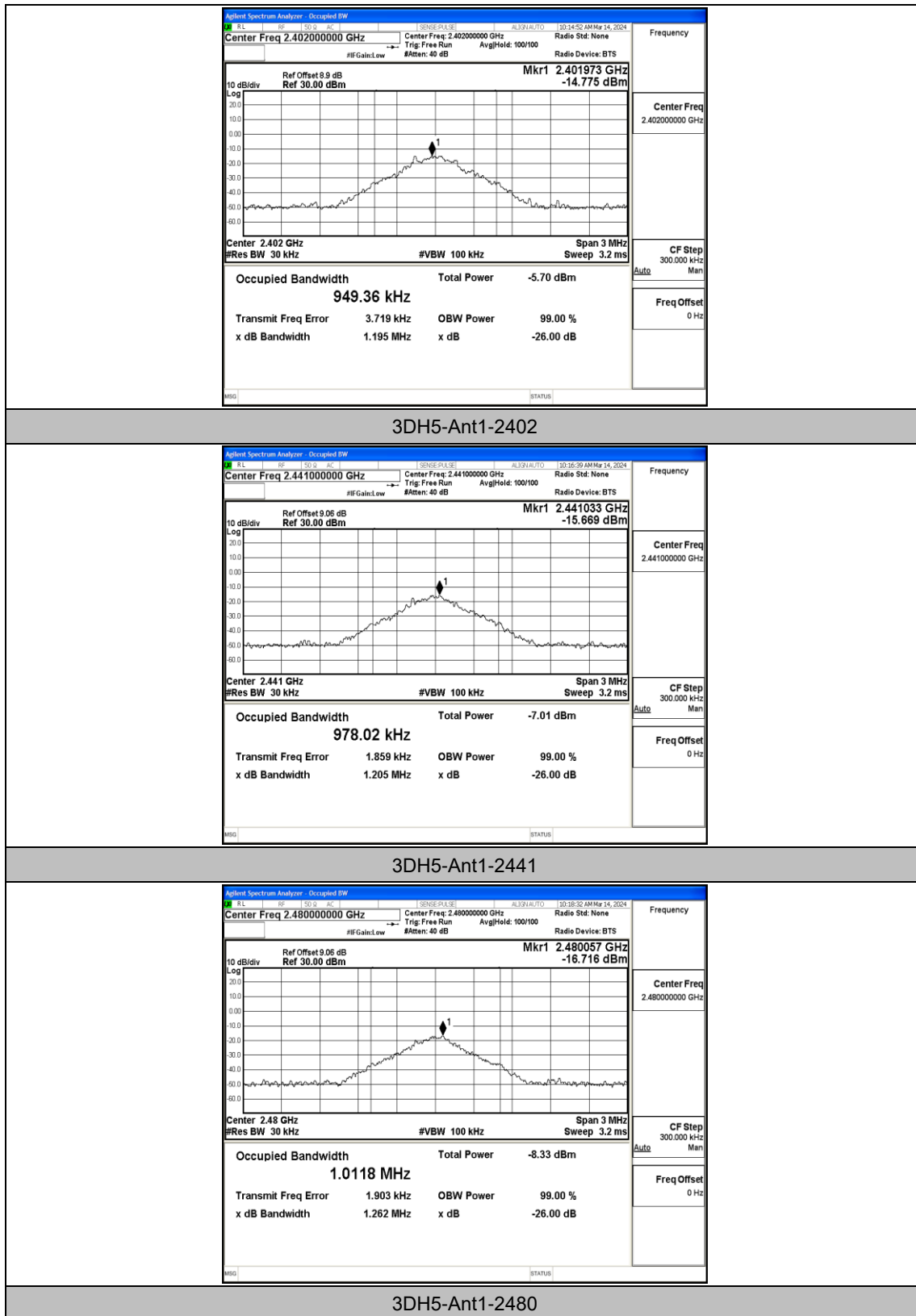
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.94267	2401.5287	2402.4714	---	---
DH5	Ant1	2441	0.93935	2440.5343	2441.4737	---	---
DH5	Ant1	2480	0.97940	2479.5085	2480.4879	---	---
2DH5	Ant1	2402	1.2328	2401.3845	2402.6173	---	---
2DH5	Ant1	2441	1.2220	2440.3876	2441.6096	---	---
2DH5	Ant1	2480	1.2425	2479.3813	2480.6238	---	---
3DH5	Ant1	2402	0.94936	2401.5290	2402.4784	---	---
3DH5	Ant1	2441	0.97802	2440.5129	2441.4909	---	---
3DH5	Ant1	2480	1.0118	2479.4960	2480.5078	---	---

Test Graphs





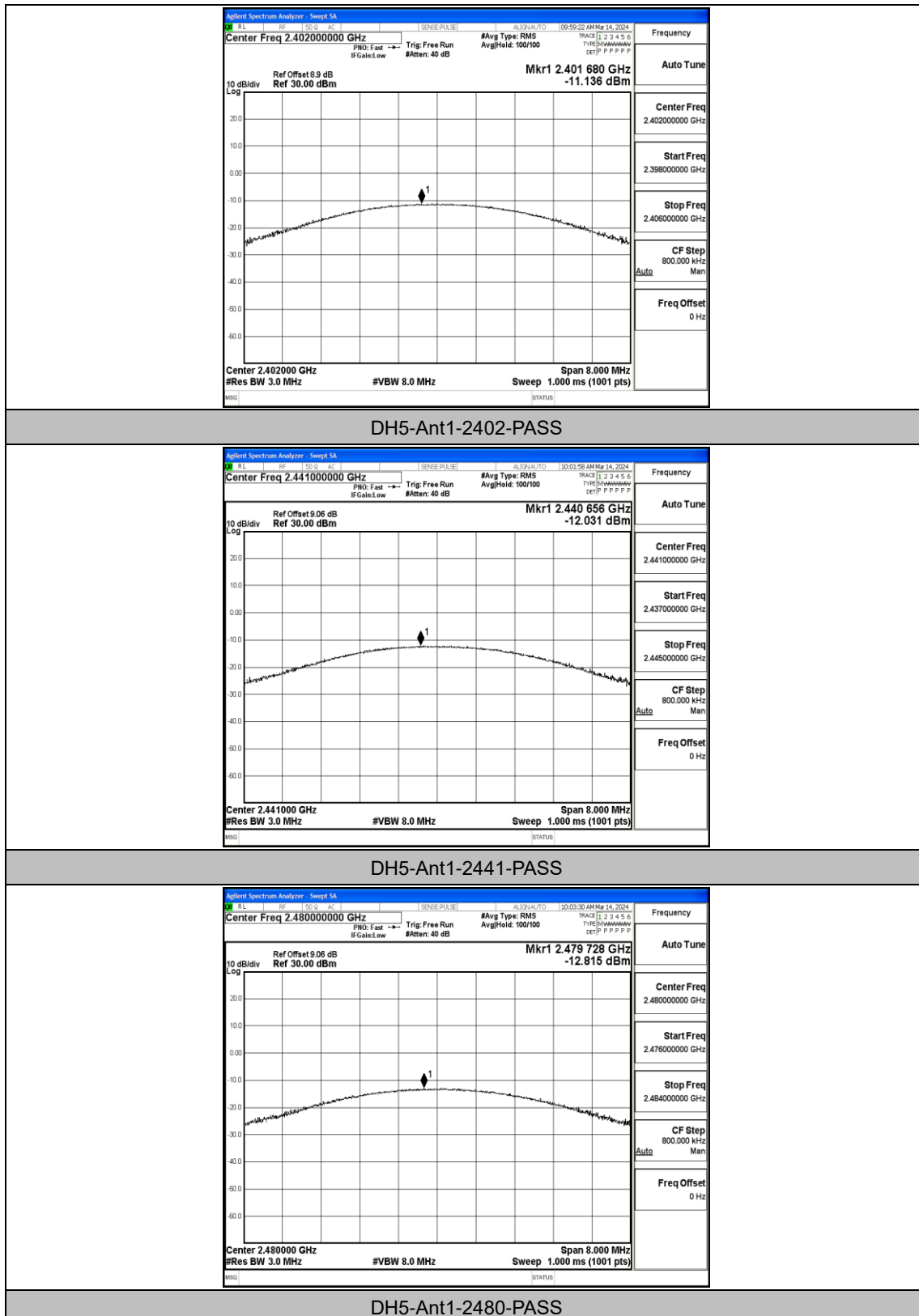


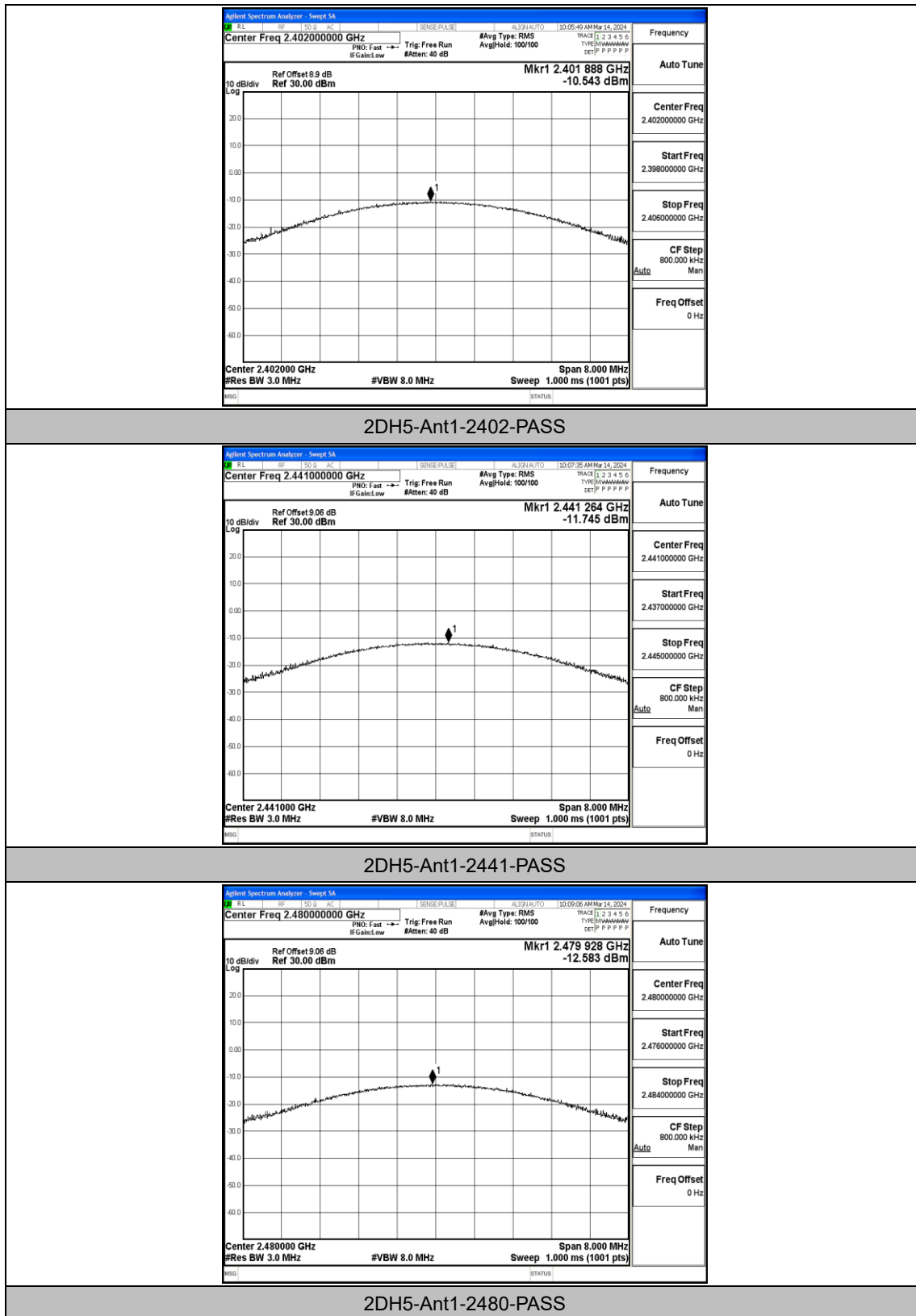
Appendix C: Maximum peak conducted output power

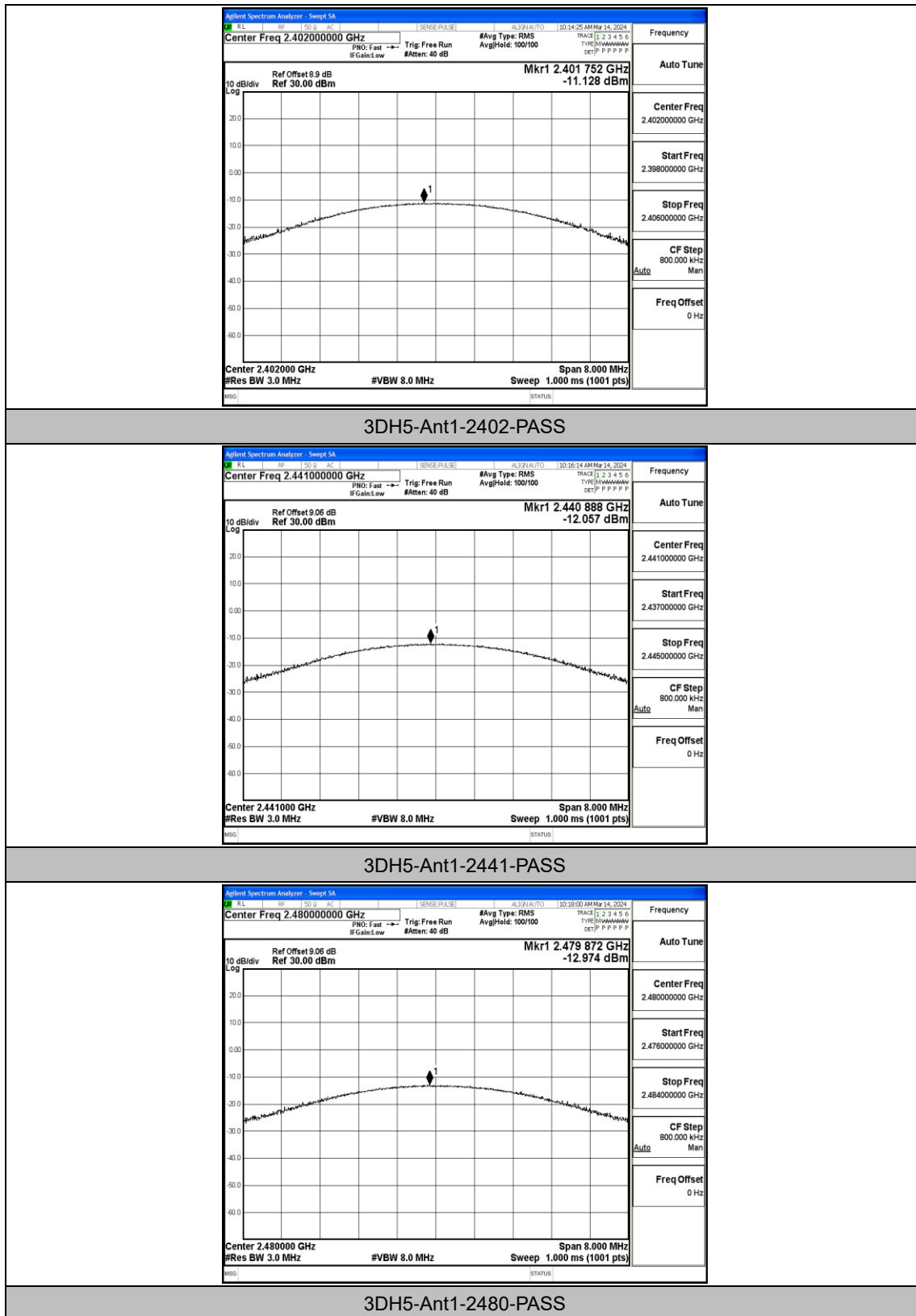
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-11.14	≤30	PASS
DH5	Ant1	2441	-12.03	≤30	PASS
DH5	Ant1	2480	-12.82	≤30	PASS
2DH5	Ant1	2402	-10.54	≤20.97	PASS
2DH5	Ant1	2441	-11.75	≤20.97	PASS
2DH5	Ant1	2480	-12.58	≤20.97	PASS
3DH5	Ant1	2402	-11.13	≤20.97	PASS
3DH5	Ant1	2441	-12.06	≤20.97	PASS
3DH5	Ant1	2480	-12.97	≤20.97	PASS

Test Graphs





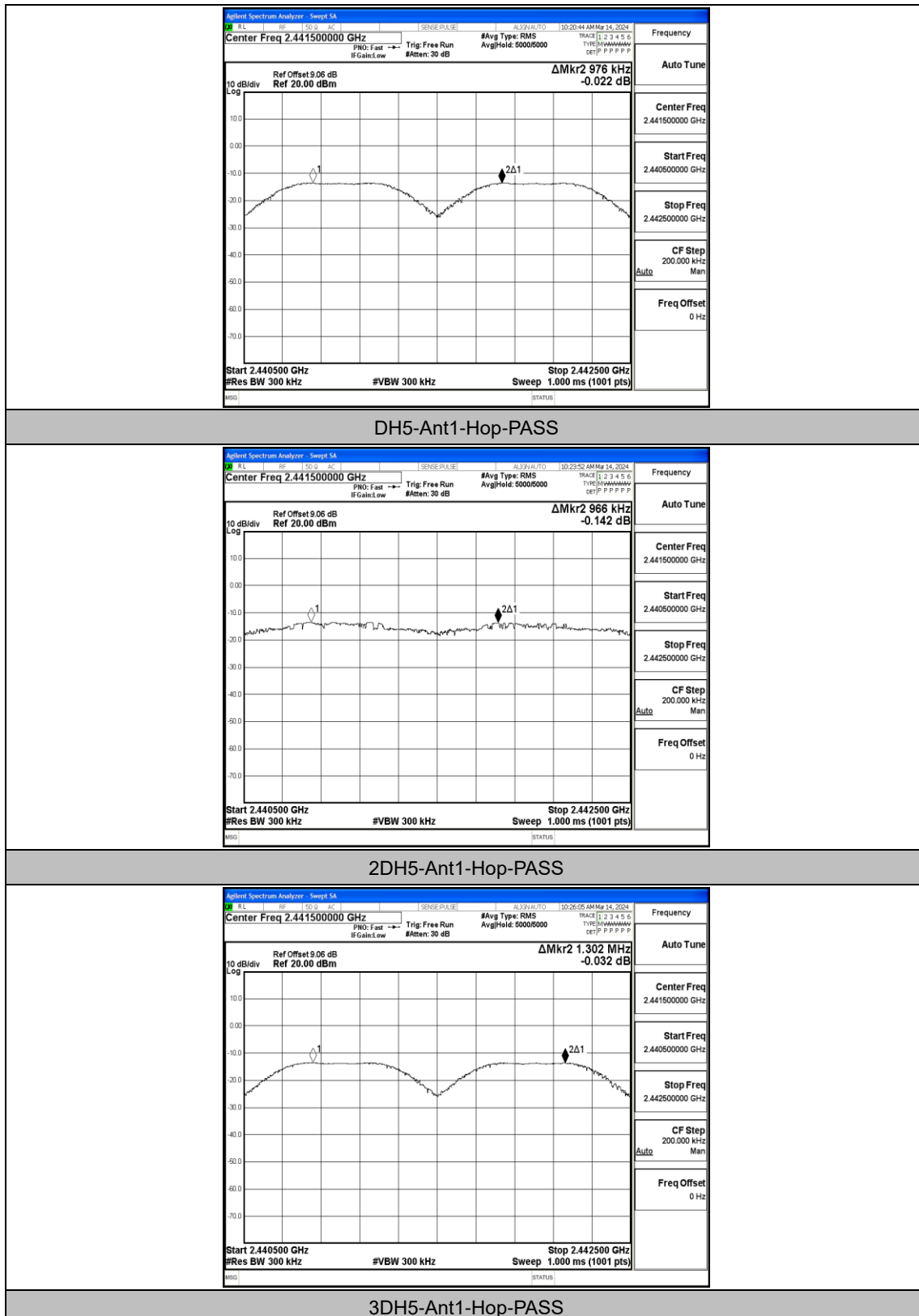


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.976	≥ 0.692	PASS
2DH5	Ant1	Hop	0.966	≥ 0.888	PASS
3DH5	Ant1	Hop	1.302	≥ 1.029	PASS

Test Graphs

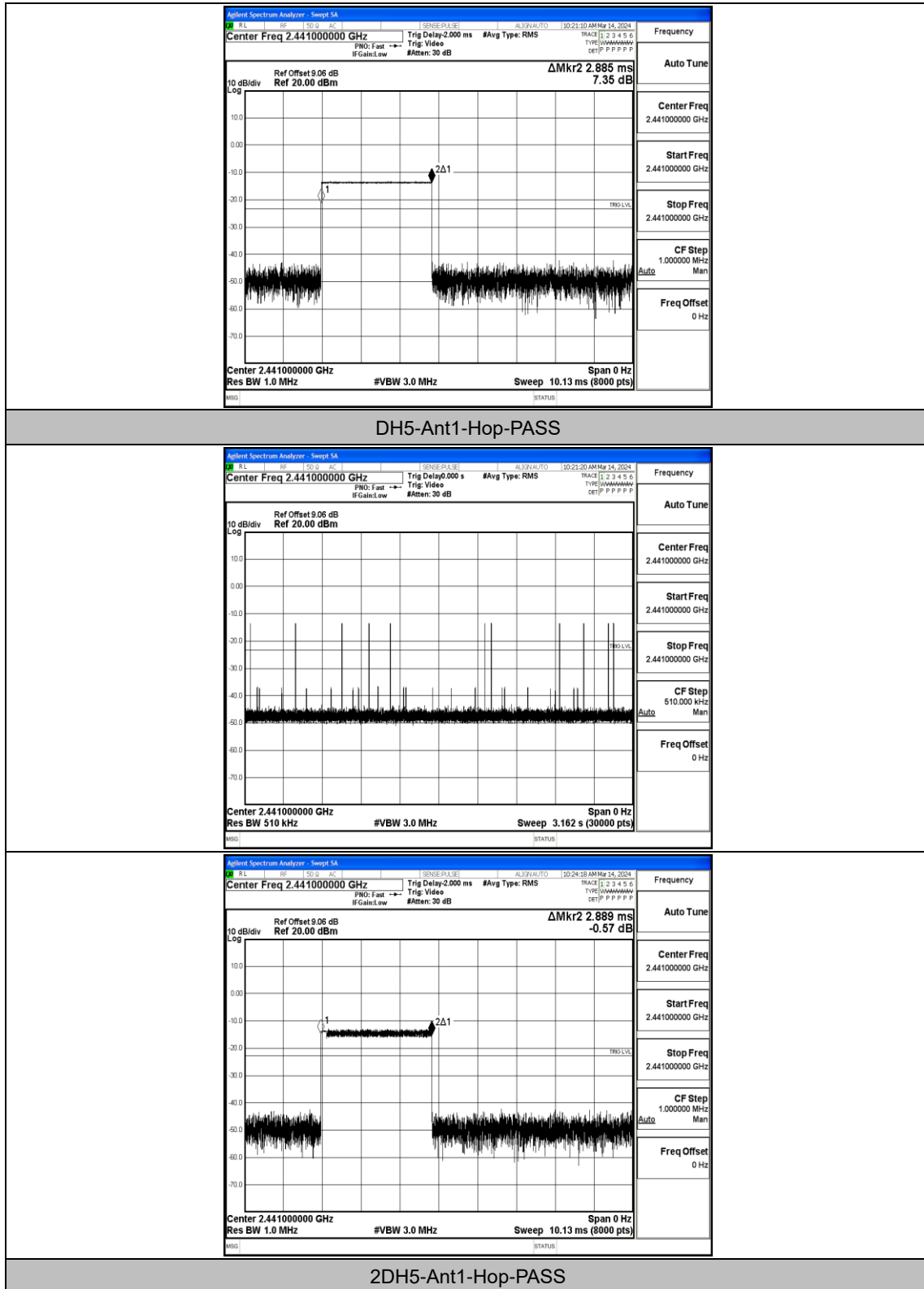


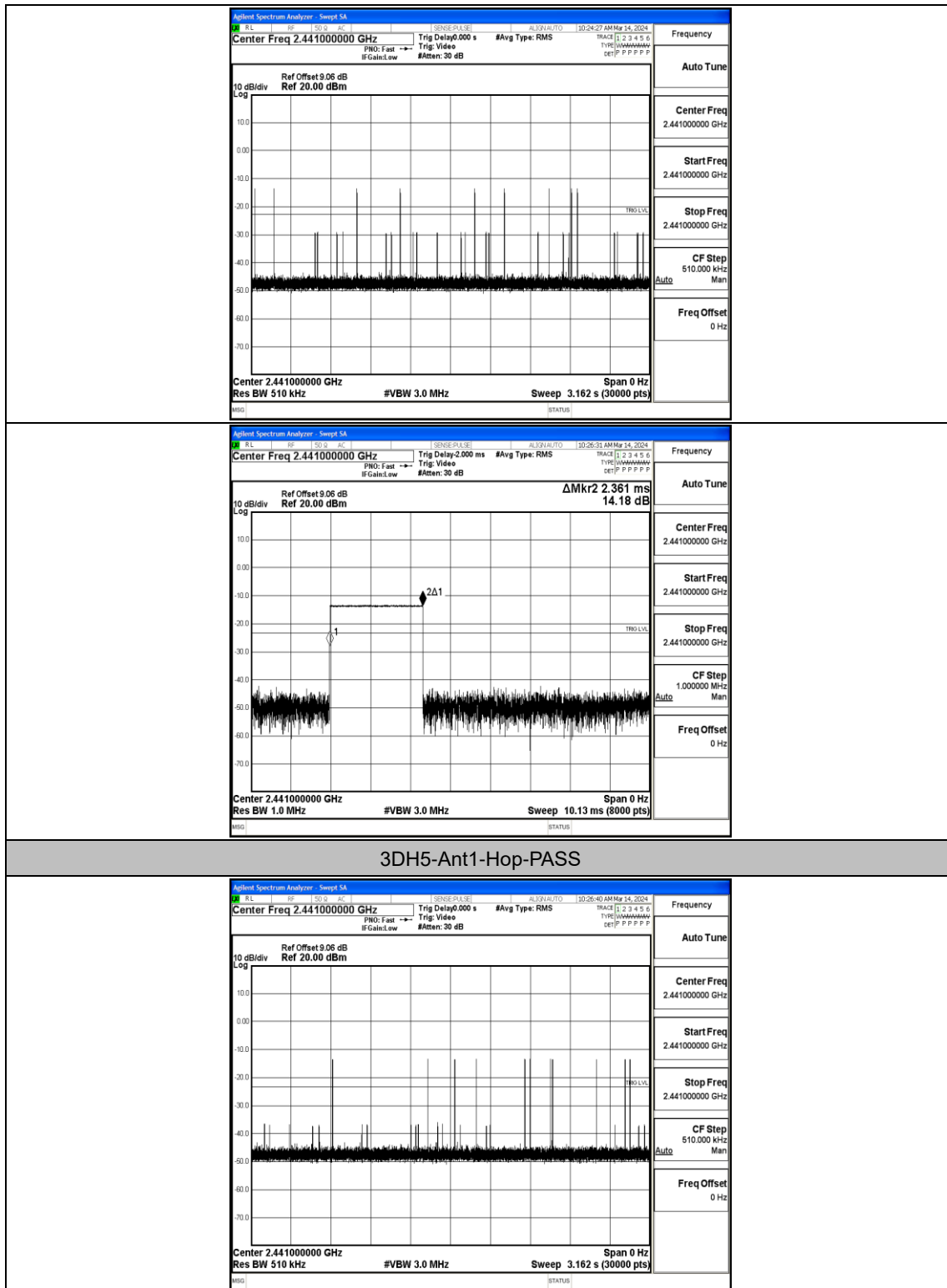
Appendix E: Time of occupancy

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	110	0.318	≤0.4	PASS
3DH5	Ant1	Hop	2.361	120	0.283	≤0.4	PASS

Test Graphs



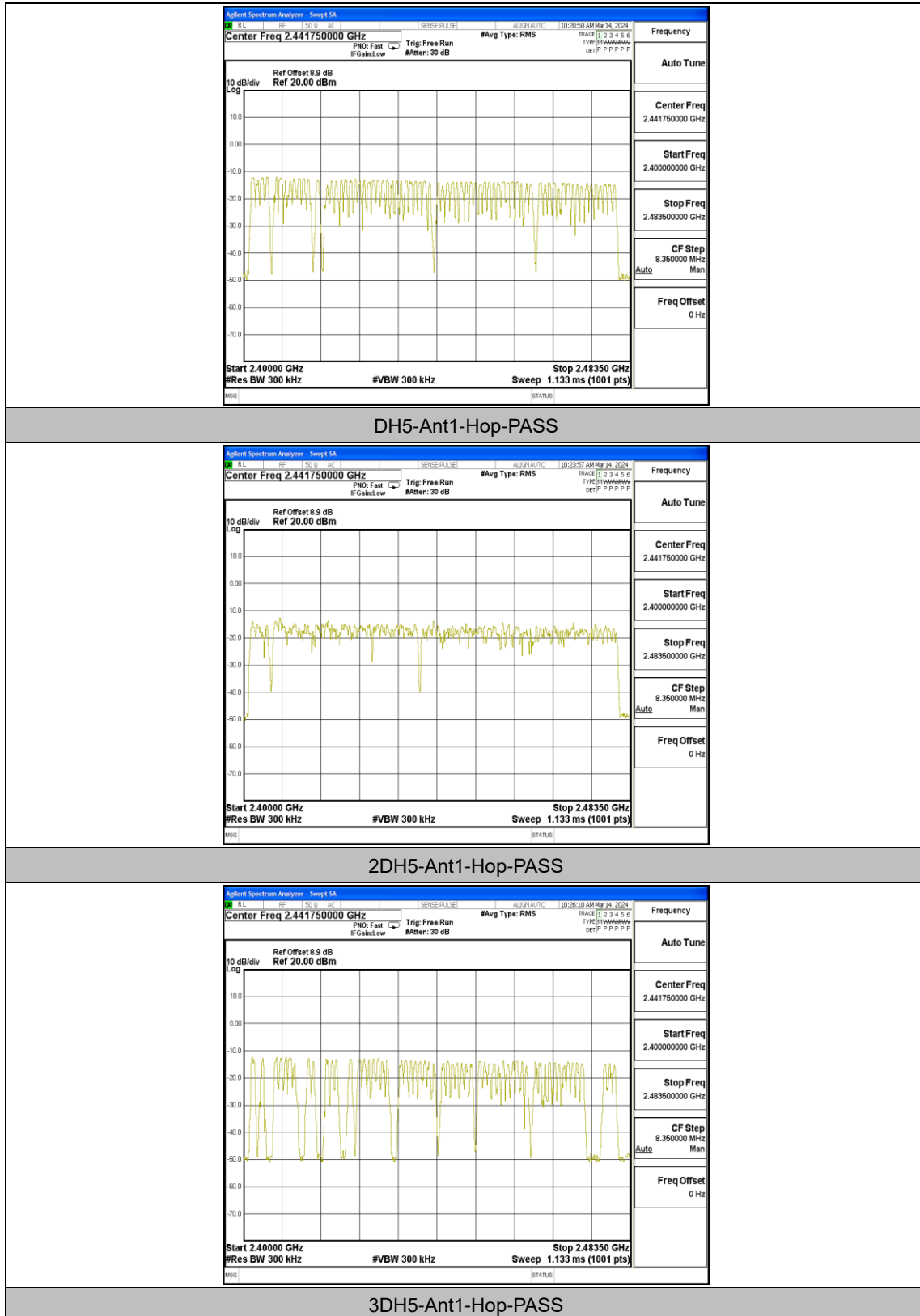


Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

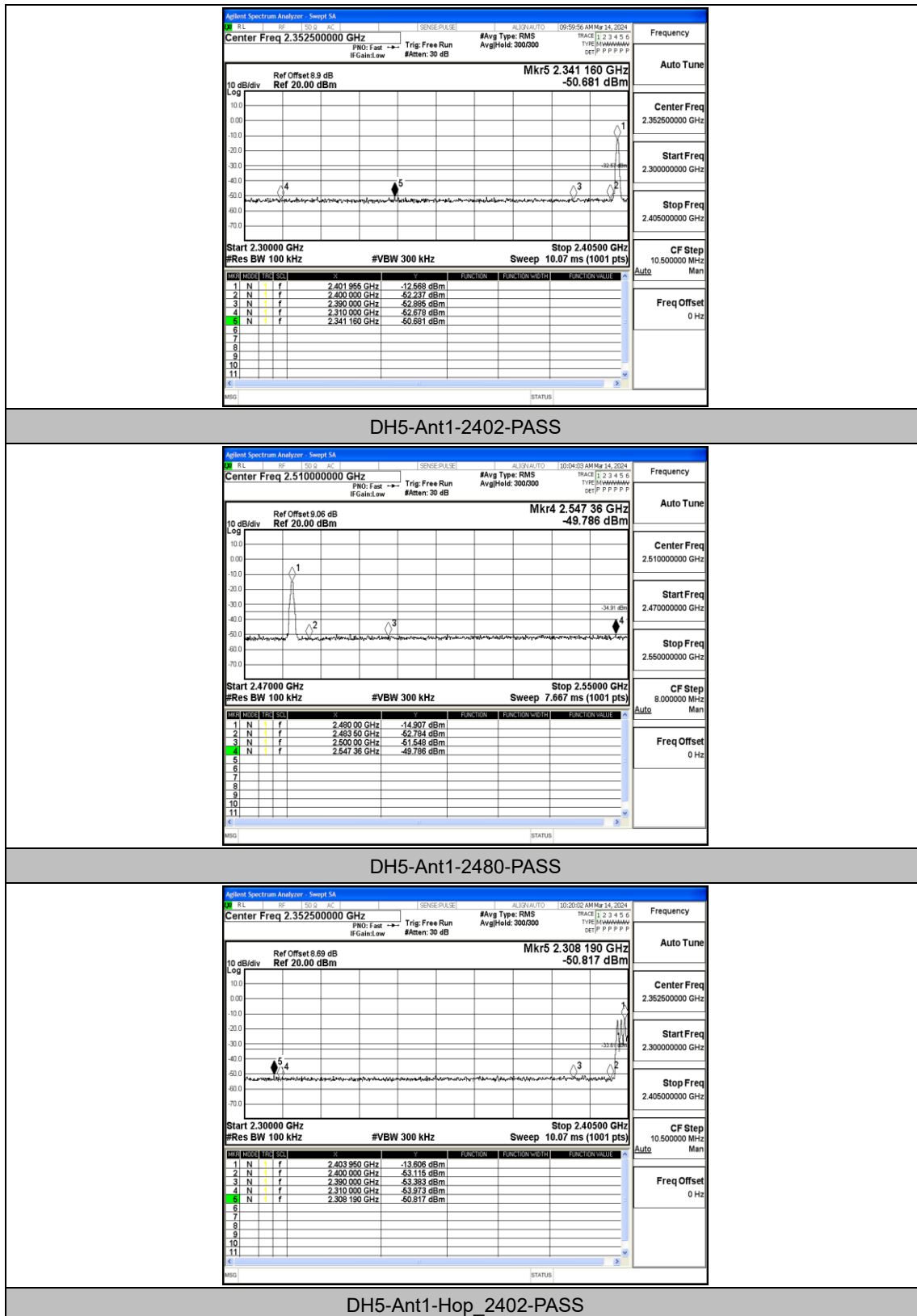


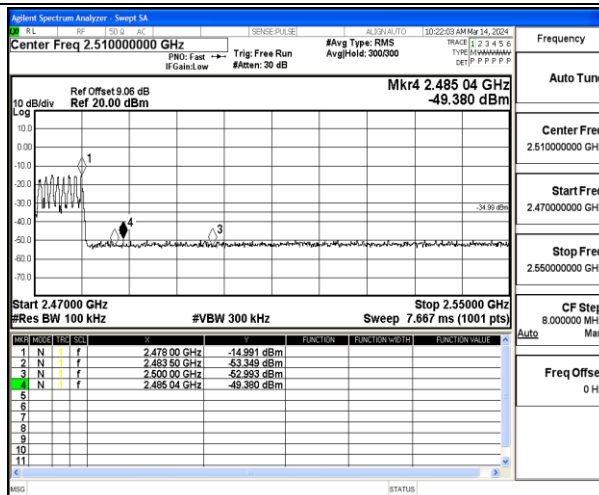
Appendix G: Band edge measurements

Test Result

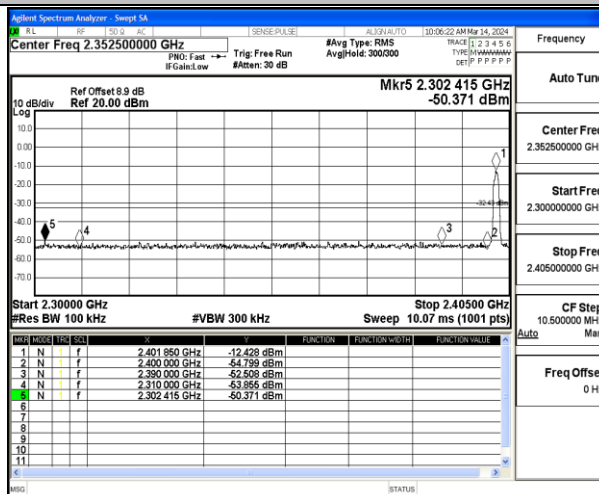
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-12.57	-50.68	≤ -32.57	PASS
DH5	Ant1	High	2480	-14.91	-49.79	≤ -34.91	PASS
DH5	Ant1	Low	Hop_2402	-13.61	-50.82	≤ -33.61	PASS
DH5	Ant1	High	Hop_2480	-14.99	-49.38	≤ -34.99	PASS
2DH5	Ant1	Low	2402	-12.43	-50.37	≤ -32.43	PASS
2DH5	Ant1	High	2480	-16.09	-49.61	≤ -36.09	PASS
2DH5	Ant1	Low	Hop_2402	-15.81	-50.78	≤ -35.81	PASS
2DH5	Ant1	High	Hop_2480	-18.43	-49.96	≤ -38.43	PASS
3DH5	Ant1	Low	2402	-12.37	-50.05	≤ -32.37	PASS
3DH5	Ant1	High	2480	-14.58	-49.05	≤ -34.58	PASS
3DH5	Ant1	Low	Hop_2402	-12.77	-50.8	≤ -32.77	PASS
3DH5	Ant1	High	Hop_2480	-14.67	-49.2	≤ -34.67	PASS

Test Graphs

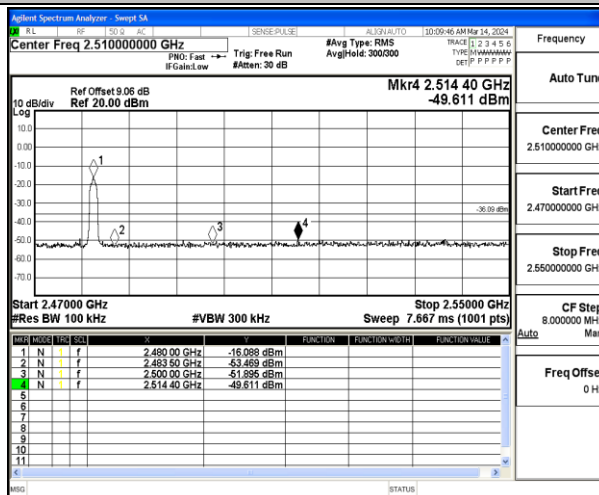




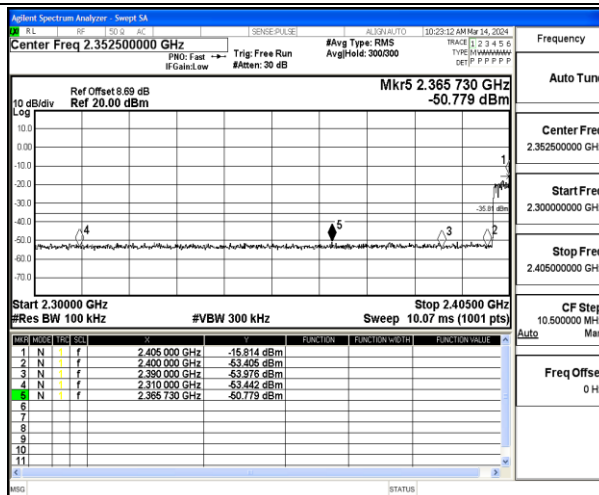
DH5-Ant1-Hop_2480-PASS



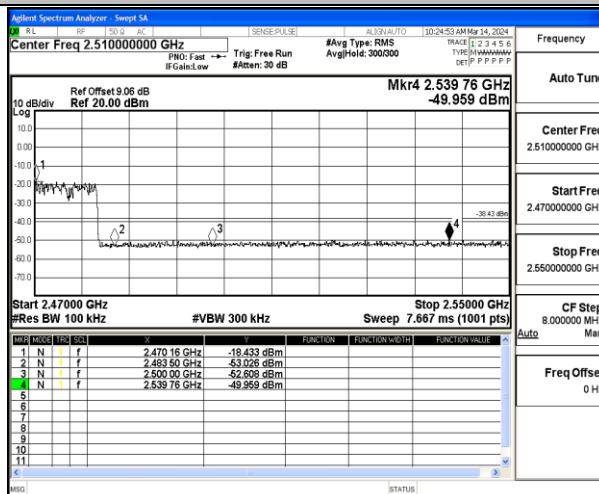
2DH5-Ant1-2402-PASS



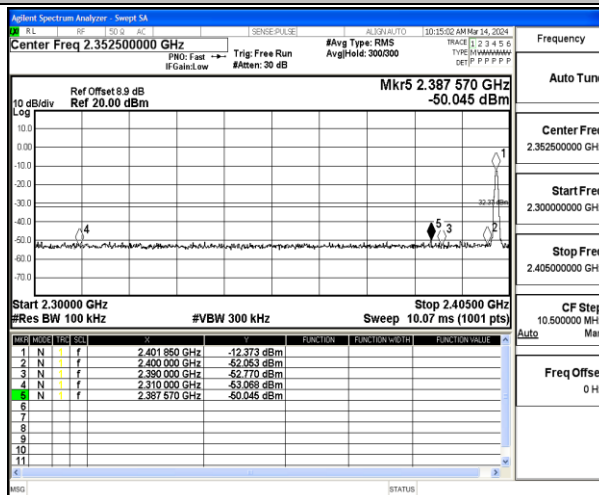
2DH5-Ant1-2480-PASS



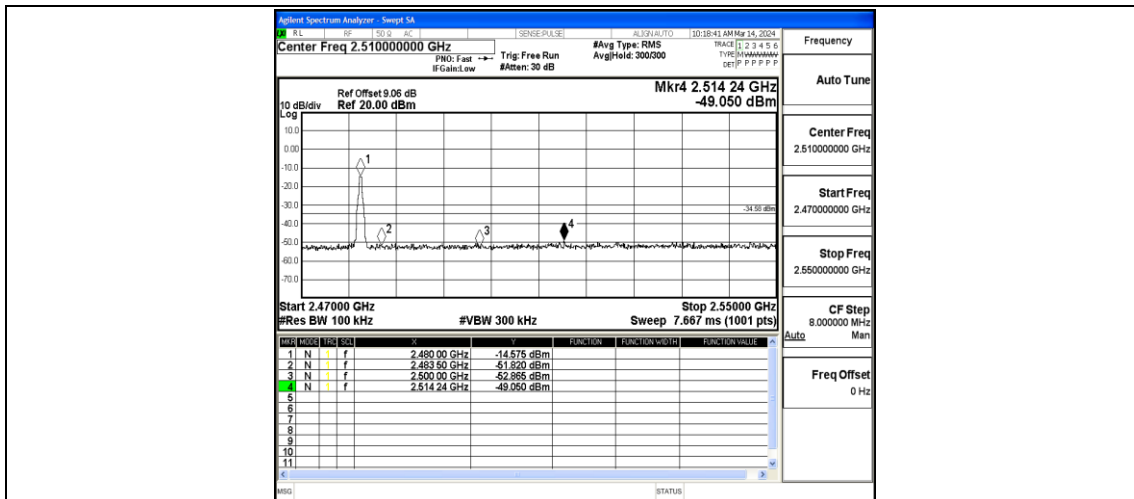
2DH5-Ant1-Hop_2402-PASS



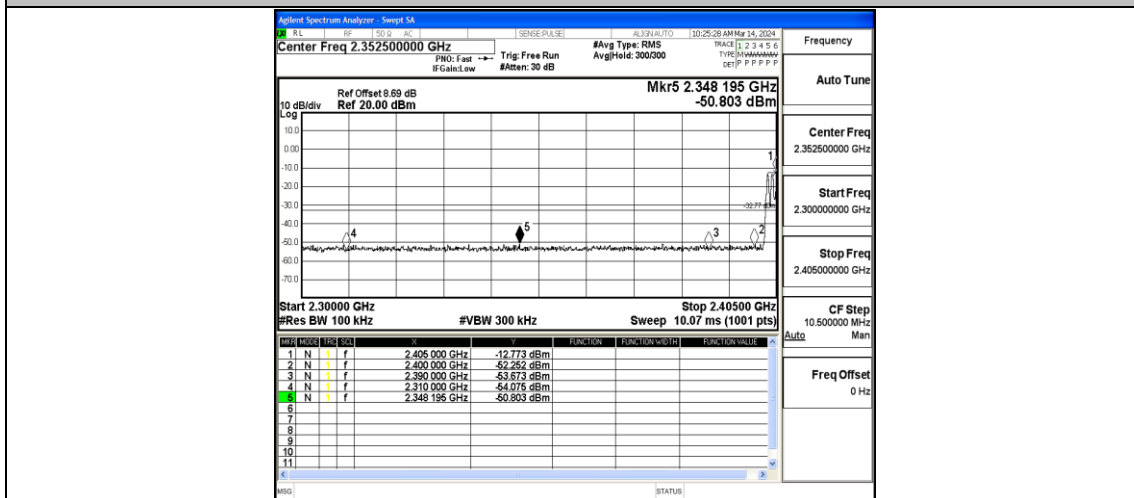
2DH5-Ant1-Hop_2480-PASS



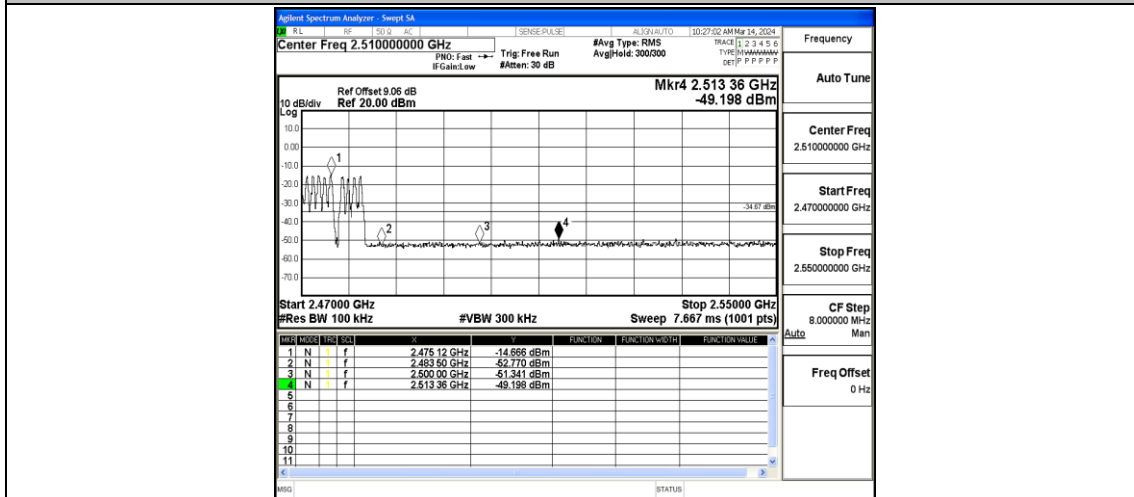
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



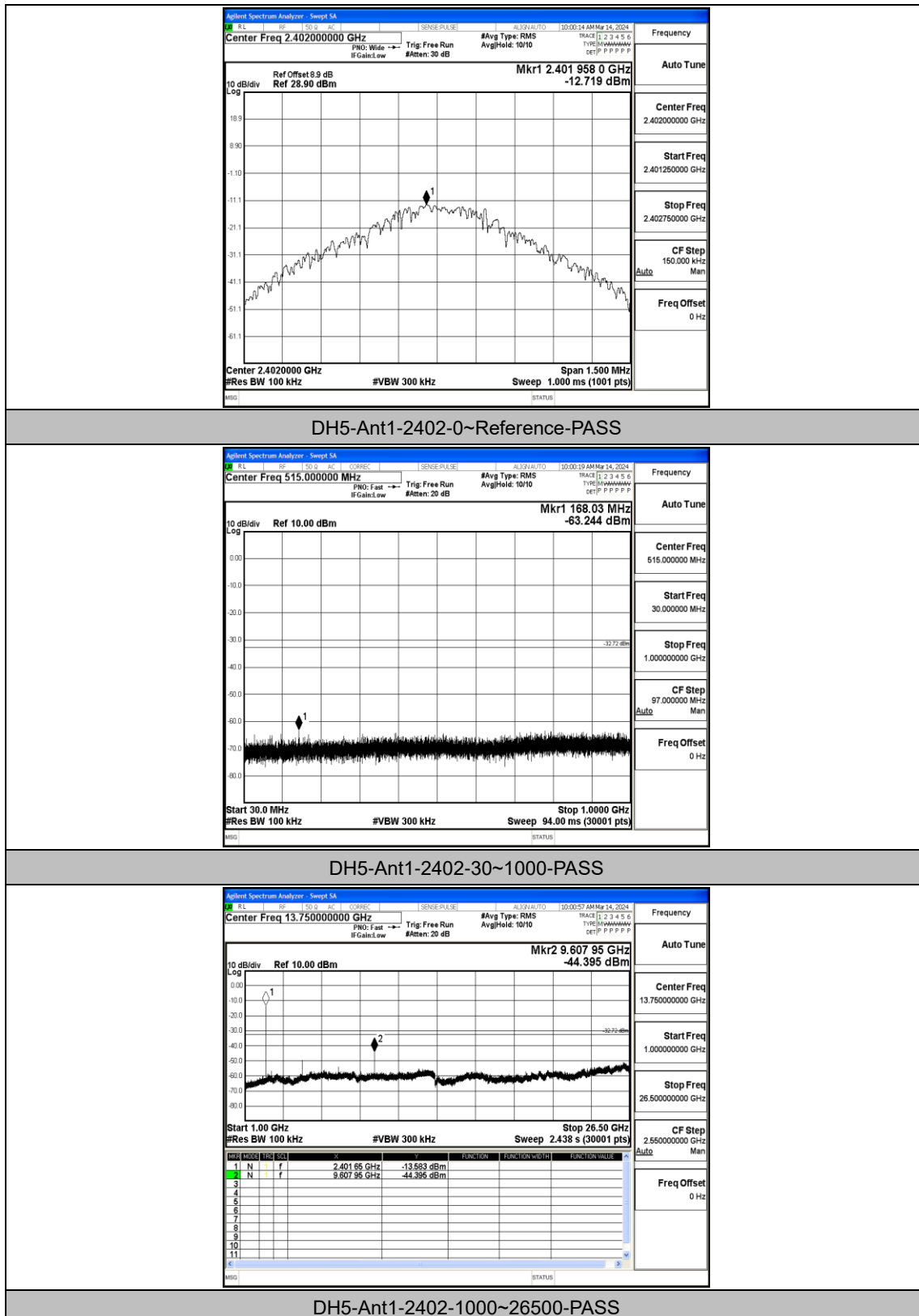
3DH5-Ant1-Hop_2480-PASS

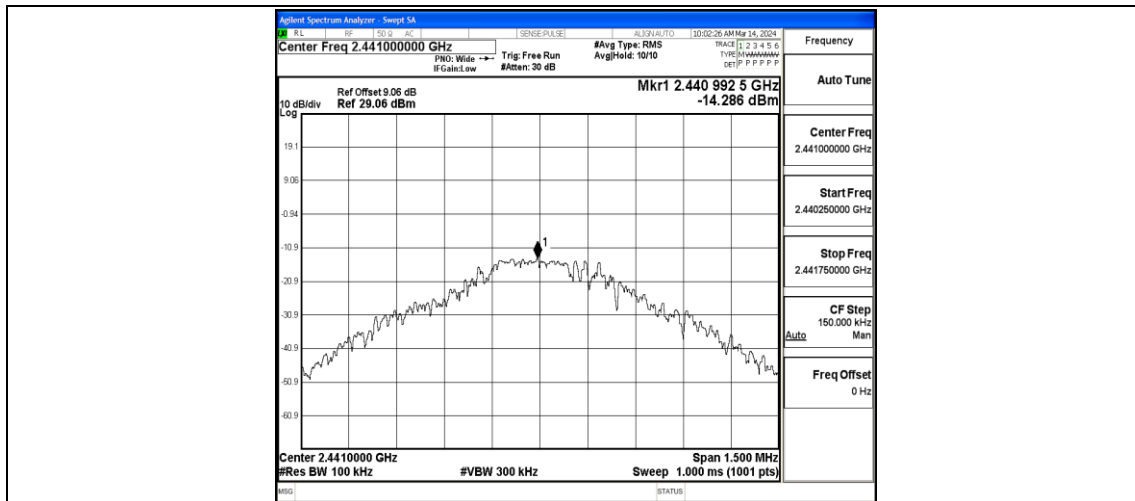
Appendix H: Conducted Spurious Emission

Test Result

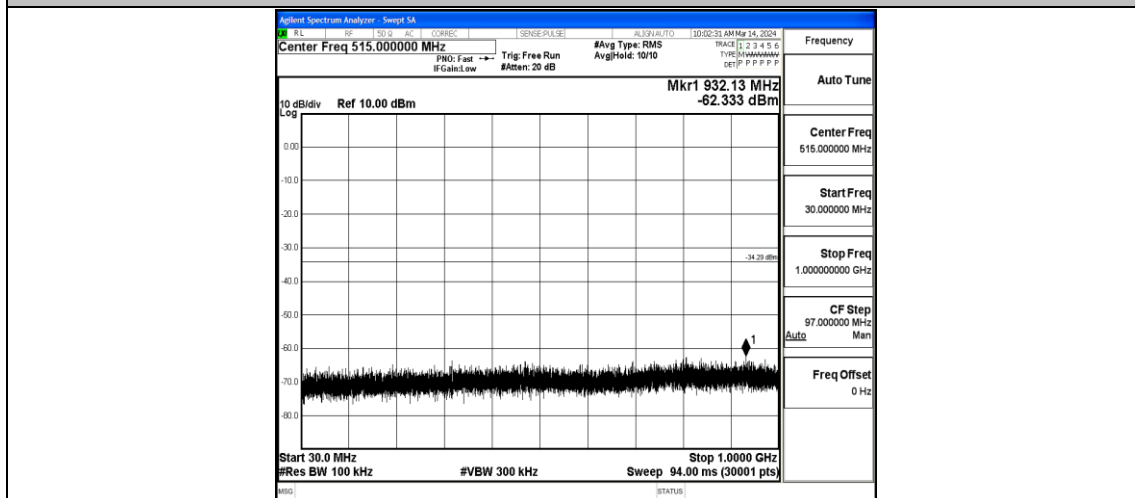
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-12.72	-12.72	---	PASS
DH5	Ant1	2402	30~1000	-12.72	-63.24	≤-32.72	PASS
DH5	Ant1	2402	1000~26500	-12.72	-44.4	≤-32.72	PASS
DH5	Ant1	2441	0~Reference	-14.29	-14.29	---	PASS
DH5	Ant1	2441	30~1000	-14.29	-62.33	≤-34.29	PASS
DH5	Ant1	2441	1000~26500	-14.29	-42.61	≤-34.29	PASS
DH5	Ant1	2480	0~Reference	-15.23	-15.23	---	PASS
DH5	Ant1	2480	30~1000	-15.23	-62.67	≤-35.23	PASS
DH5	Ant1	2480	1000~26500	-15.23	-37.7	≤-35.23	PASS
2DH5	Ant1	2402	0~Reference	-16.65	-16.65	---	PASS
2DH5	Ant1	2402	30~1000	-16.65	-63.01	≤-36.65	PASS
2DH5	Ant1	2402	1000~26500	-16.65	-44.19	≤-36.65	PASS
2DH5	Ant1	2441	0~Reference	-16.98	-16.98	---	PASS
2DH5	Ant1	2441	30~1000	-16.98	-61.32	≤-36.98	PASS
2DH5	Ant1	2441	1000~26500	-16.98	-42.6	≤-36.98	PASS
2DH5	Ant1	2480	0~Reference	-14.68	-14.68	---	PASS
2DH5	Ant1	2480	30~1000	-14.68	-63.32	≤-34.68	PASS
2DH5	Ant1	2480	1000~26500	-14.68	-37.99	≤-34.68	PASS
3DH5	Ant1	2402	0~Reference	-12.96	-12.96	---	PASS
3DH5	Ant1	2402	30~1000	-12.96	-62.33	≤-32.96	PASS
3DH5	Ant1	2402	1000~26500	-12.96	-44.6	≤-32.96	PASS
3DH5	Ant1	2441	0~Reference	-14.60	-14.60	---	PASS
3DH5	Ant1	2441	30~1000	-14.60	-62.94	≤-34.6	PASS
3DH5	Ant1	2441	1000~26500	-14.60	-42.75	≤-34.6	PASS
3DH5	Ant1	2480	0~Reference	-15.37	-15.37	---	PASS
3DH5	Ant1	2480	30~1000	-15.37	-62.83	≤-35.37	PASS
3DH5	Ant1	2480	1000~26500	-15.37	-37.64	≤-35.37	PASS

Test Graphs

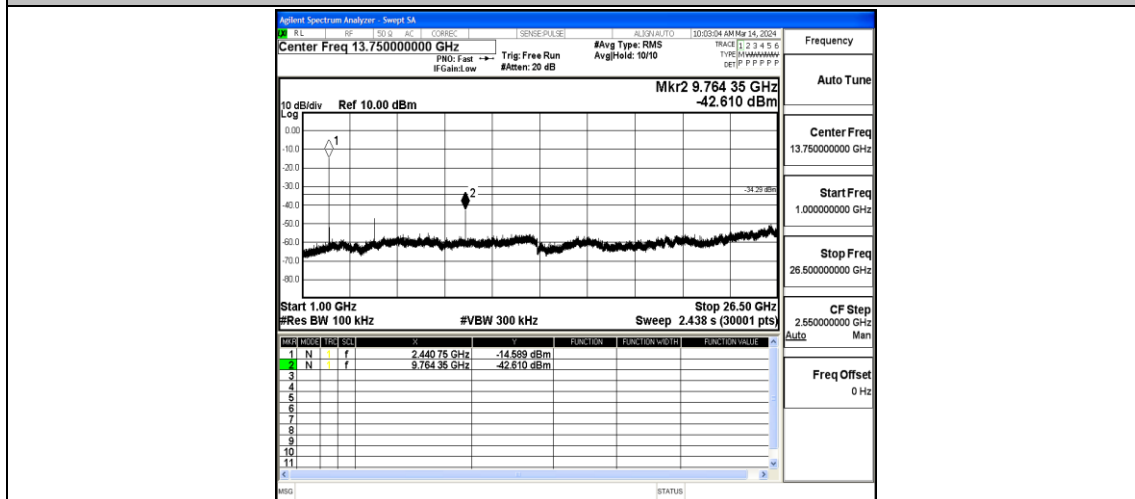




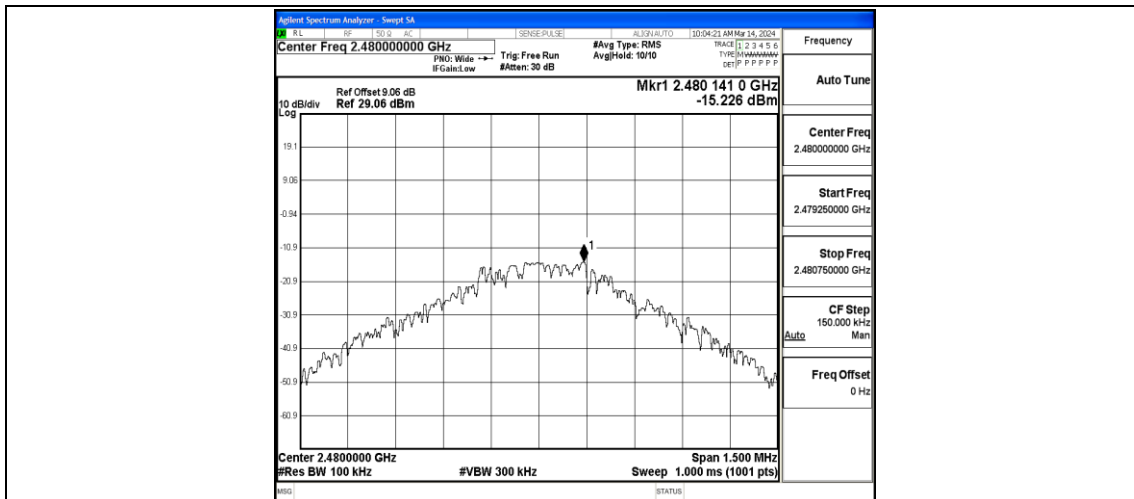
DH5-Ant1-2441-0~Reference-PASS



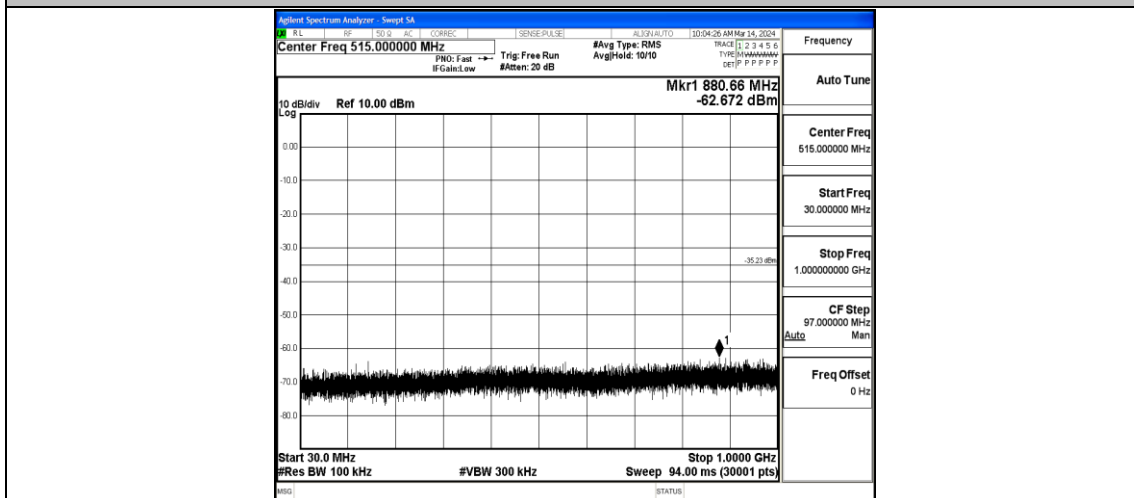
DH5-Ant1-2441-30~1000-PASS



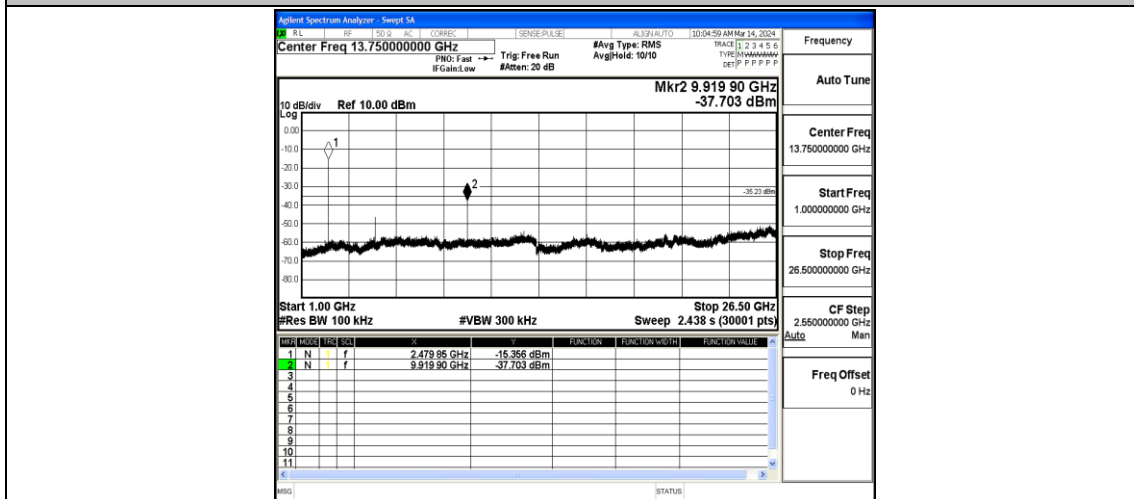
DH5-Ant1-2441-1000~26500-PASS



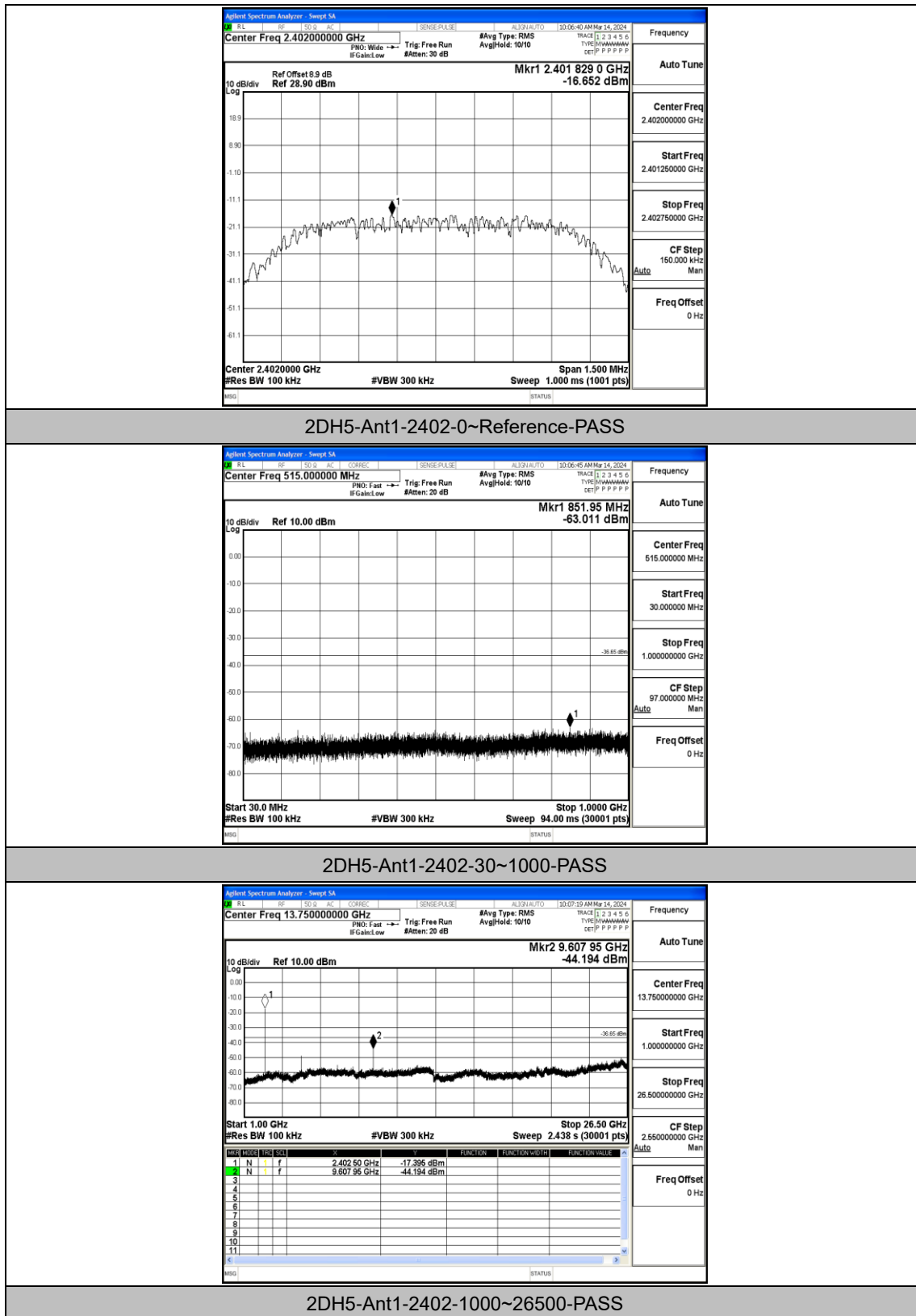
DH5-Ant1-2480-0~Reference-PASS

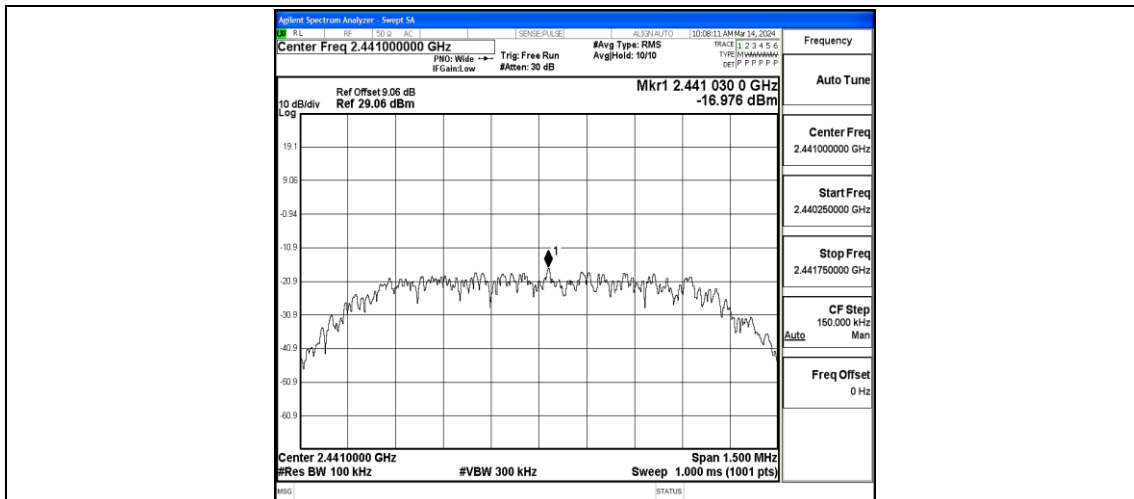


DH5-Ant1-2480-30~1000-PASS

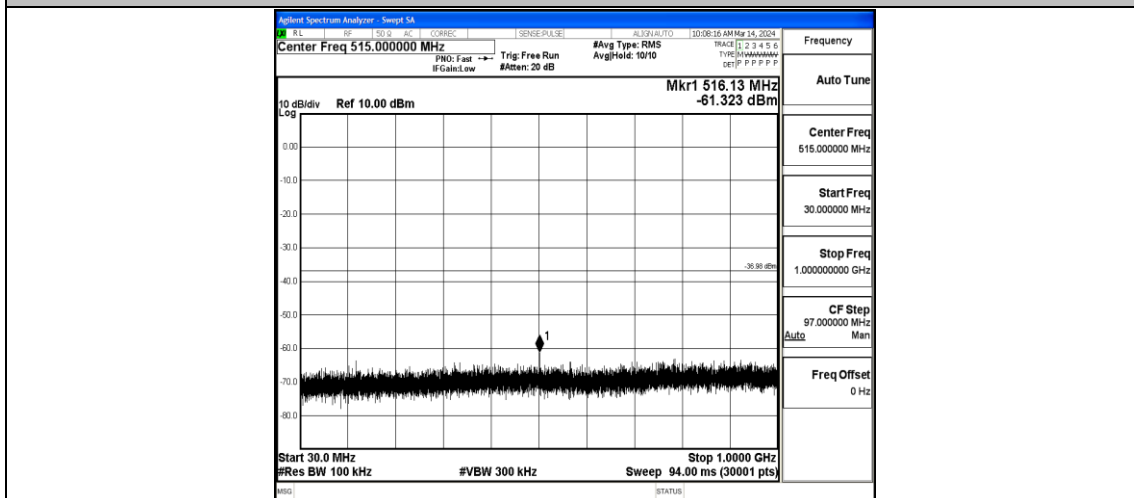


DH5-Ant1-2480-1000~26500-PASS

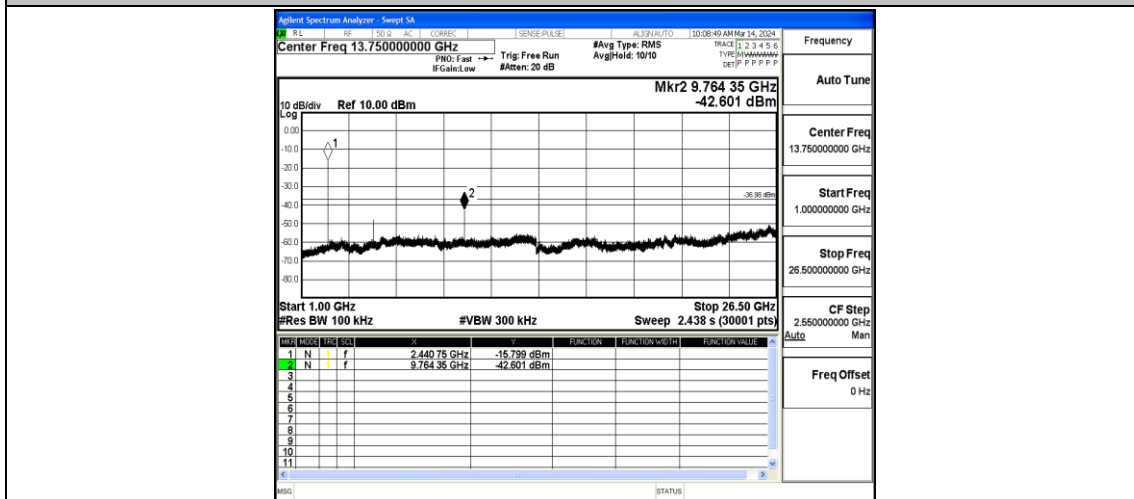




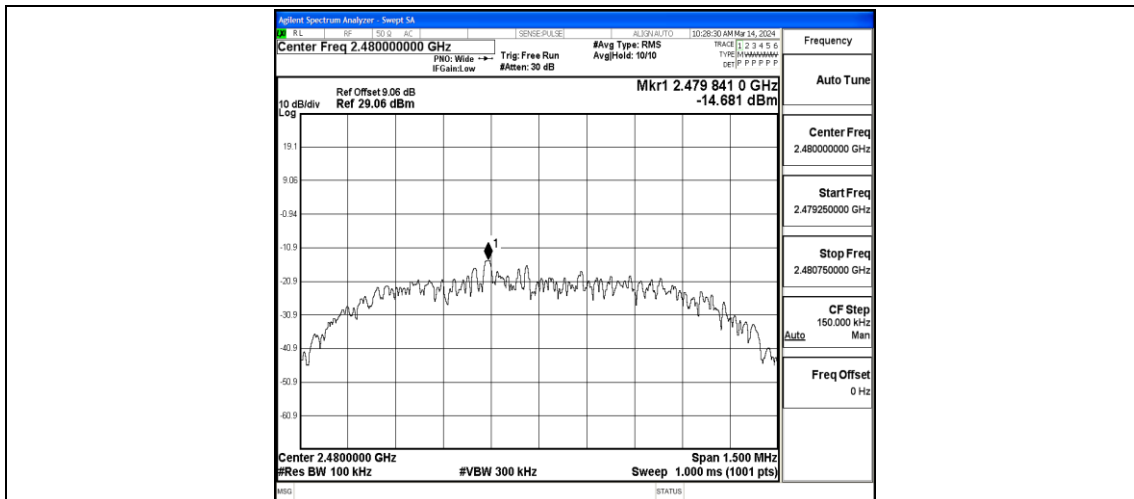
2DH5-Ant1-2441-0~Reference-PASS



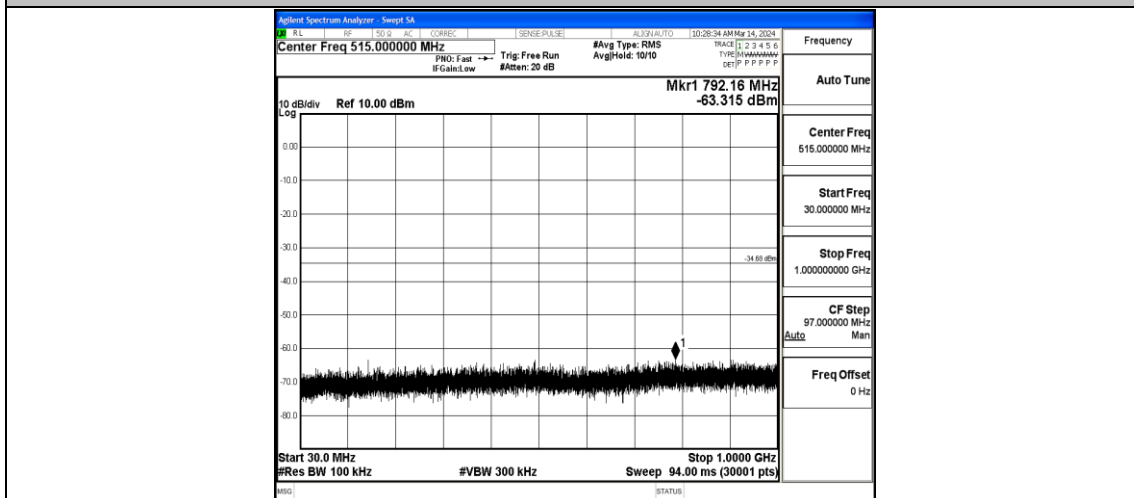
2DH5-Ant1-2441-30~1000-PASS



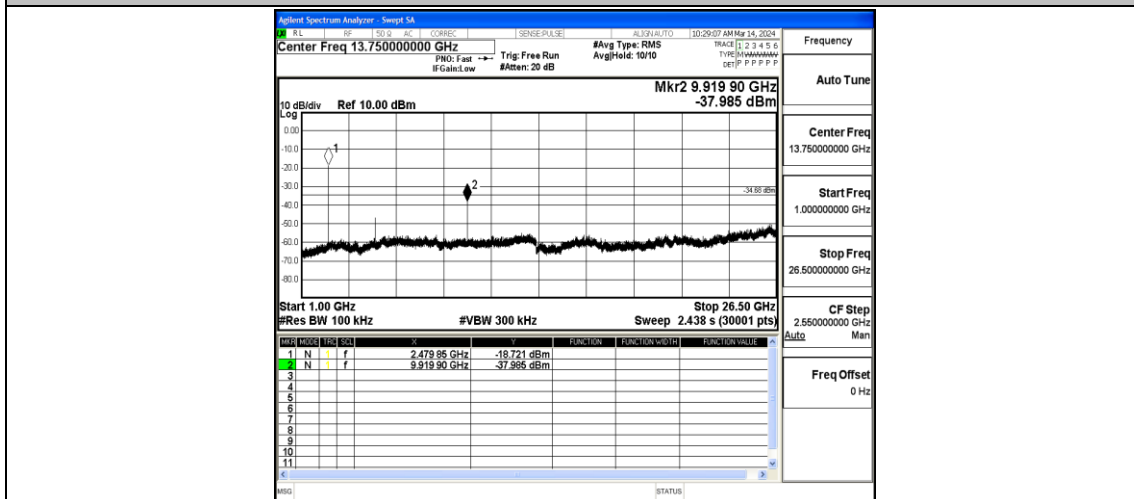
2DH5-Ant1-2441-1000~26500-PASS



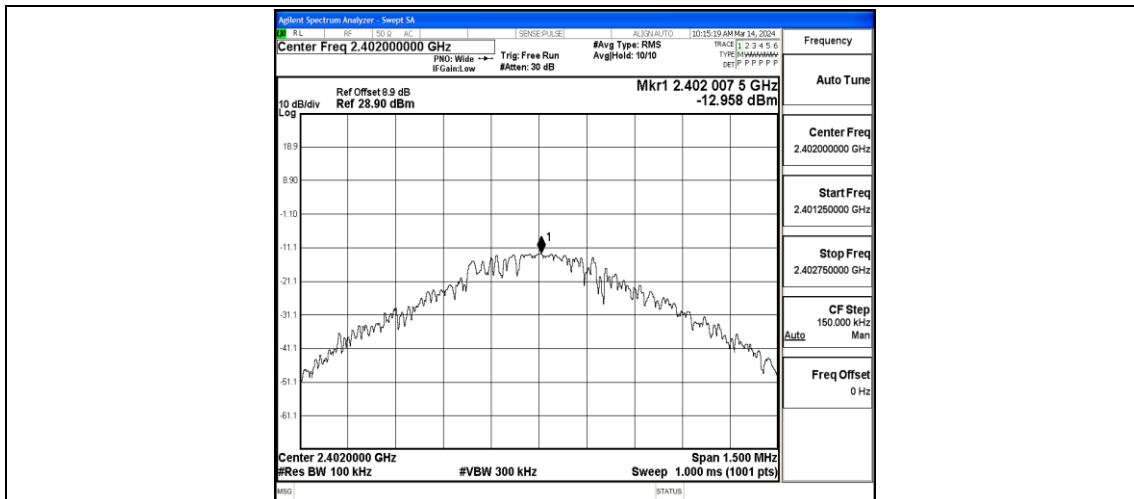
2DH5-Ant1-2480-0~Reference-PASS



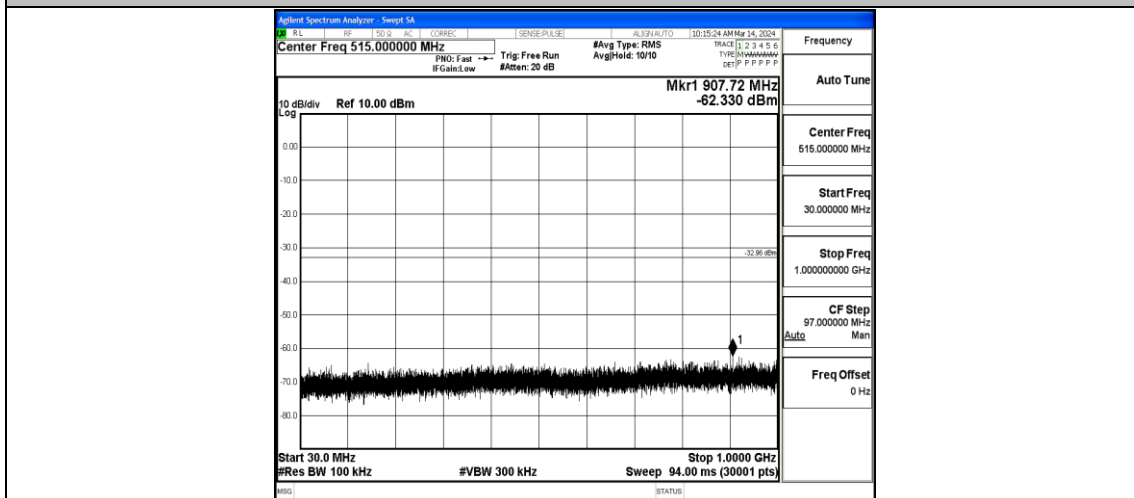
2DH5-Ant1-2480-30~1000-PASS



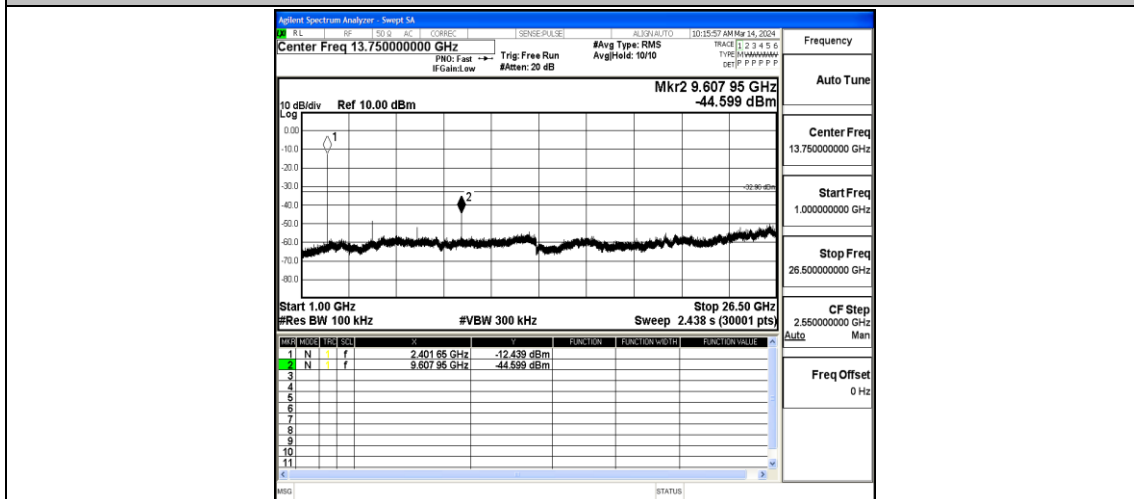
2DH5-Ant1-2480-1000~26500-PASS



3DH5-Ant1-2402-0~Reference-PASS



3DH5-Ant1-2402-30~1000-PASS



3DH5-Ant1-2402-1000~26500-PASS

