

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

Product Name: Wireless Magnetic Microphone

Trade Mark: ACER

Test Model: H01

FCC ID: 2A2P5-H01

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

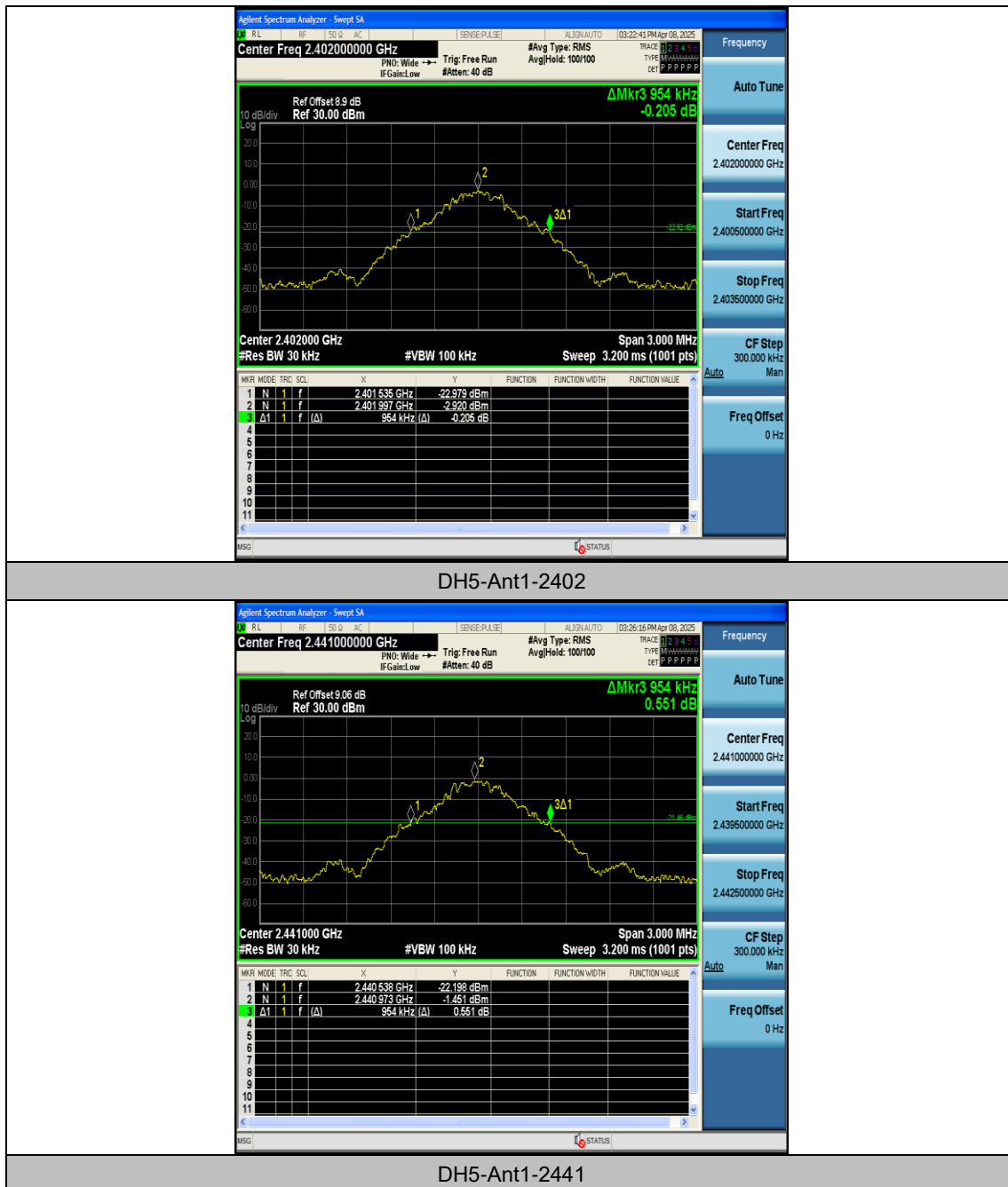
Appendix A: 20dB Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.954	2401.535	2402.489	---	---
DH5	Ant1	2441	0.954	2440.538	2441.492	---	---
DH5	Ant1	2480	0.954	2479.535	2480.489	---	---
2DH5	Ant1	2402	1.311	2401.340	2402.651	---	---
2DH5	Ant1	2441	1.335	2440.328	2441.663	---	---
2DH5	Ant1	2480	1.281	2479.367	2480.648	---	---

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441



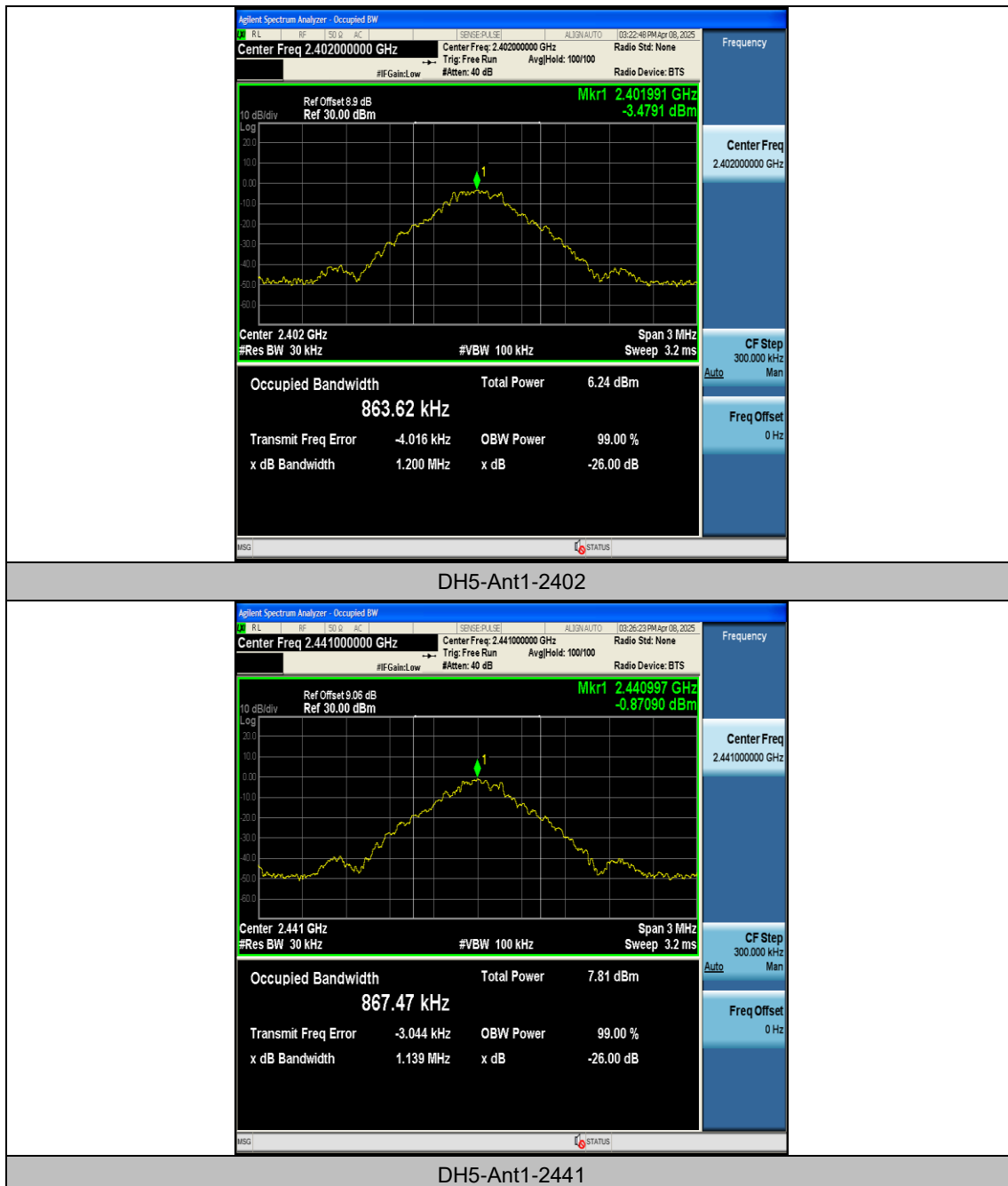
Appendix B: Occupied Channel Bandwidth

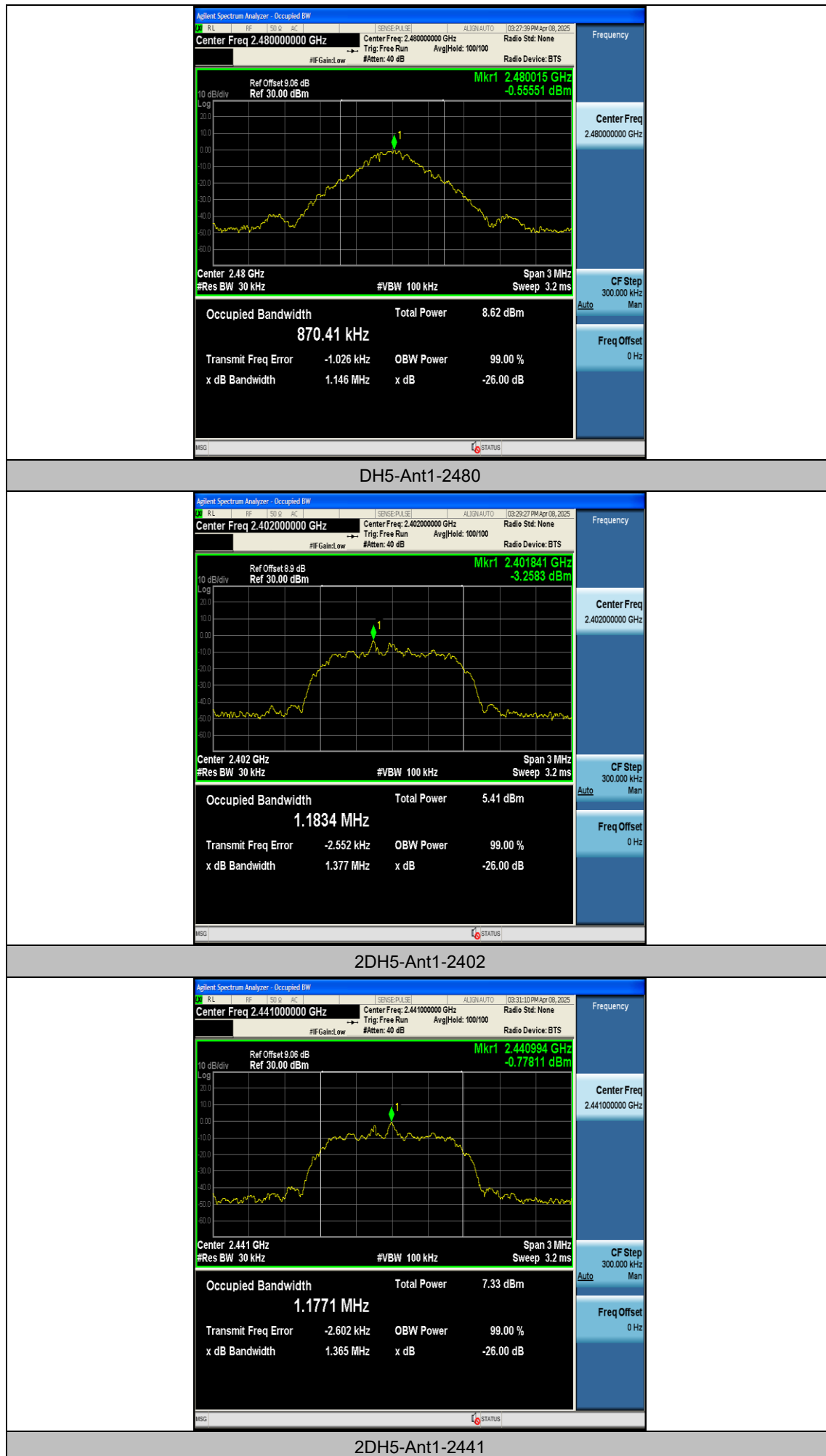
Test Result

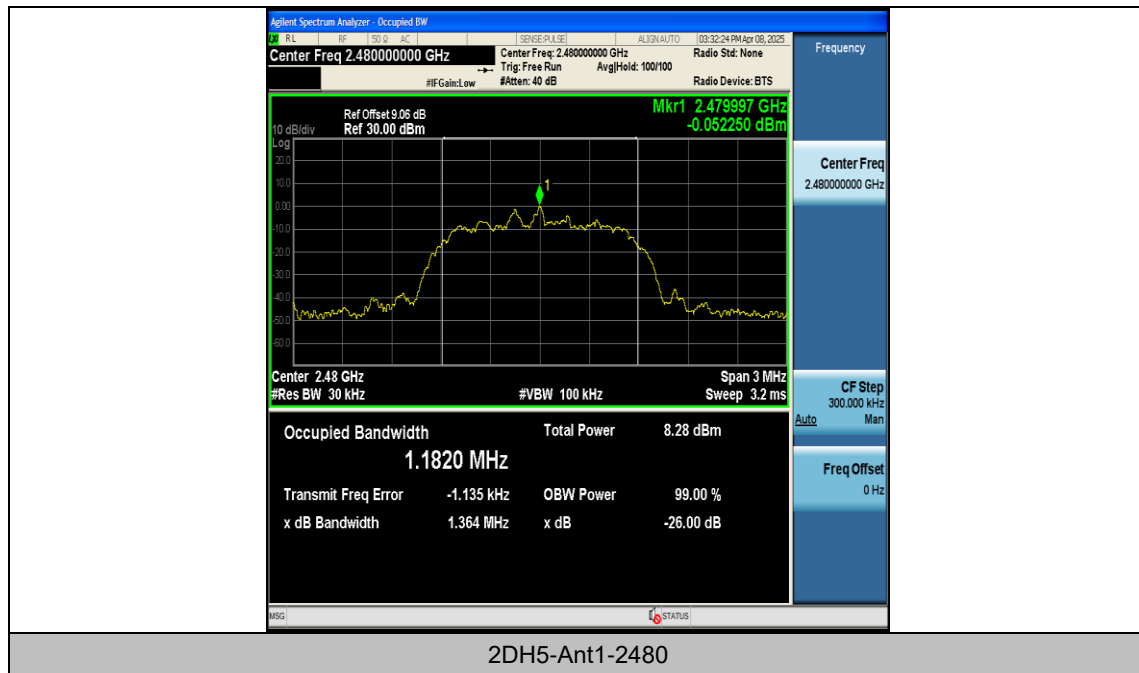
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.86362	2401.5642	2402.4278	---	---
DH5	Ant1	2441	0.86747	2440.5632	2441.4307	---	---
DH5	Ant1	2480	0.87041	2479.5638	2480.4342	---	---
2DH5	Ant1	2402	1.1834	2401.4058	2402.5892	---	---
2DH5	Ant1	2441	1.1771	2440.4089	2441.5860	---	---
2DH5	Ant1	2480	1.1820	2479.4079	2480.5899	---	---

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs







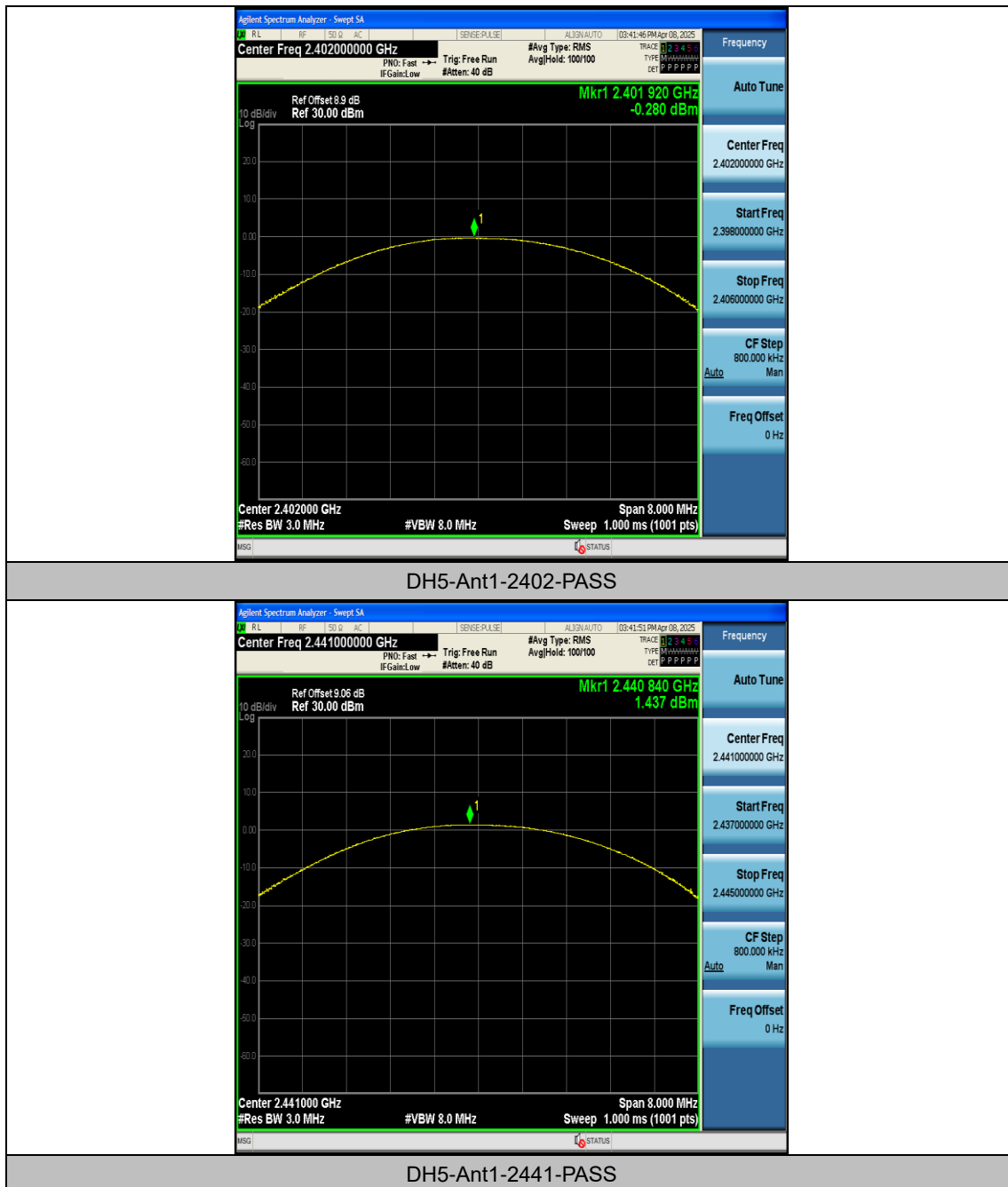
Appendix C: Maximum peak conducted output power

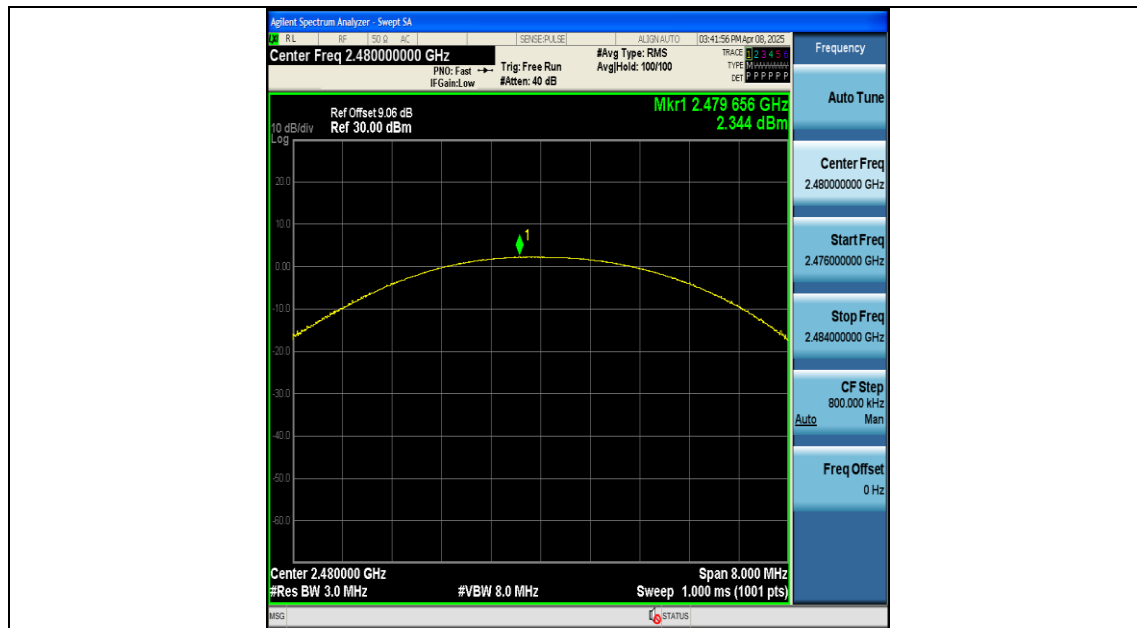
Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-0.28	≤30	PASS
DH5	Ant1	2441	1.44	≤30	PASS
DH5	Ant1	2480	2.34	≤30	PASS
2DH5	Ant1	2402	0.43	≤20.97	PASS
2DH5	Ant1	2441	2.23	≤20.97	PASS
2DH5	Ant1	2480	3.13	≤20.97	PASS

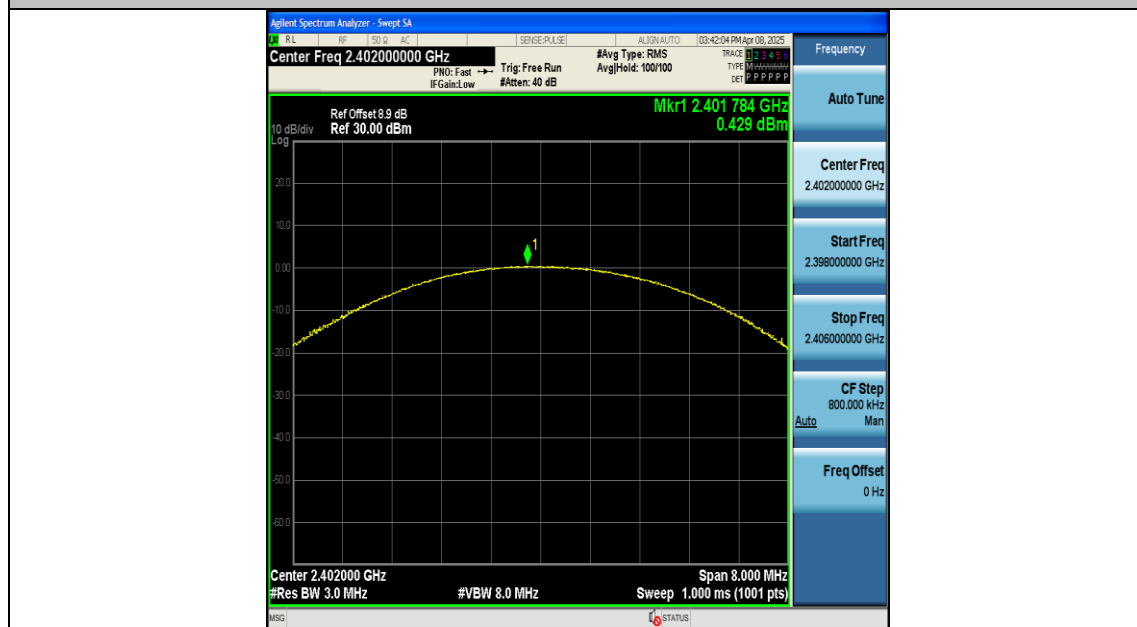
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

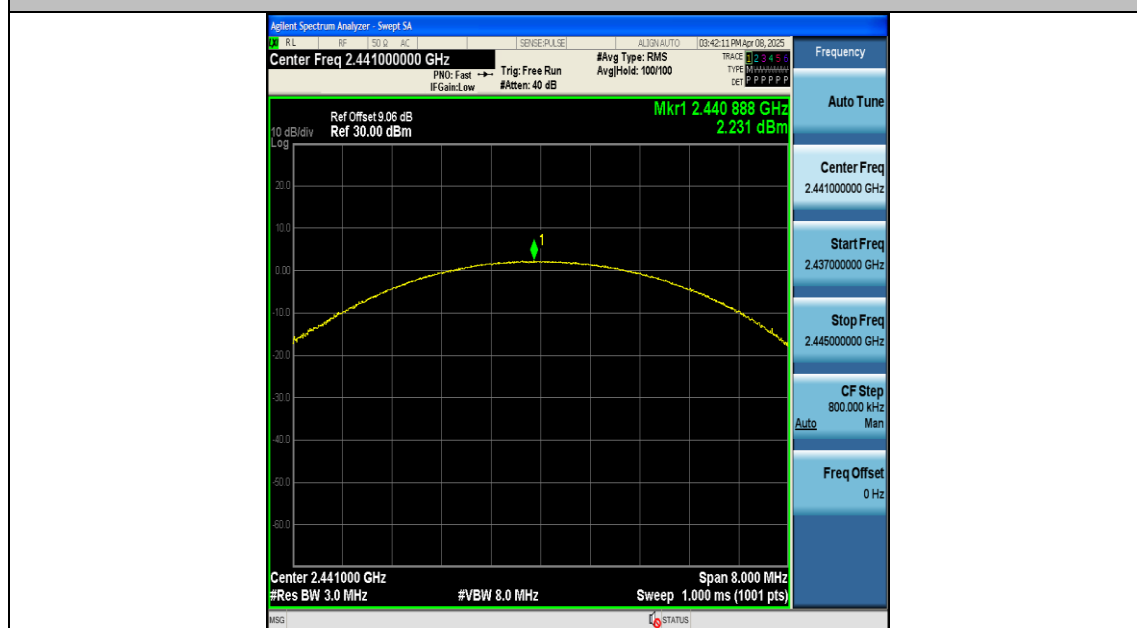




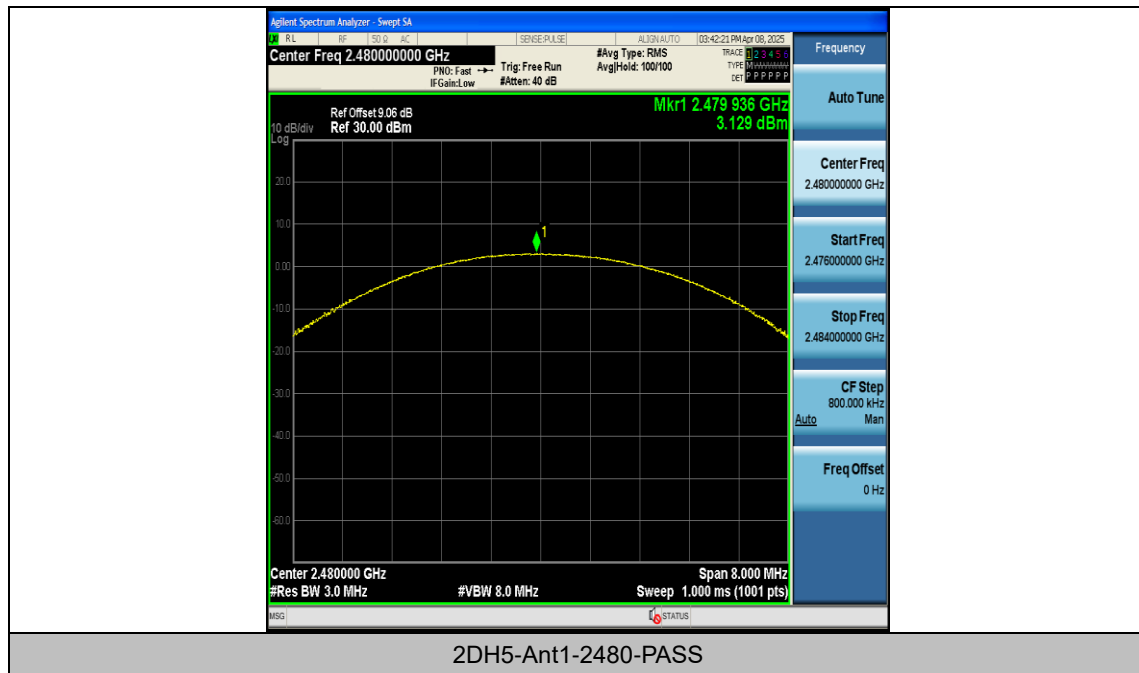
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS



Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.978	≥ 0.954	PASS
2DH5	Ant1	Hop	1.004	≥ 0.890	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs



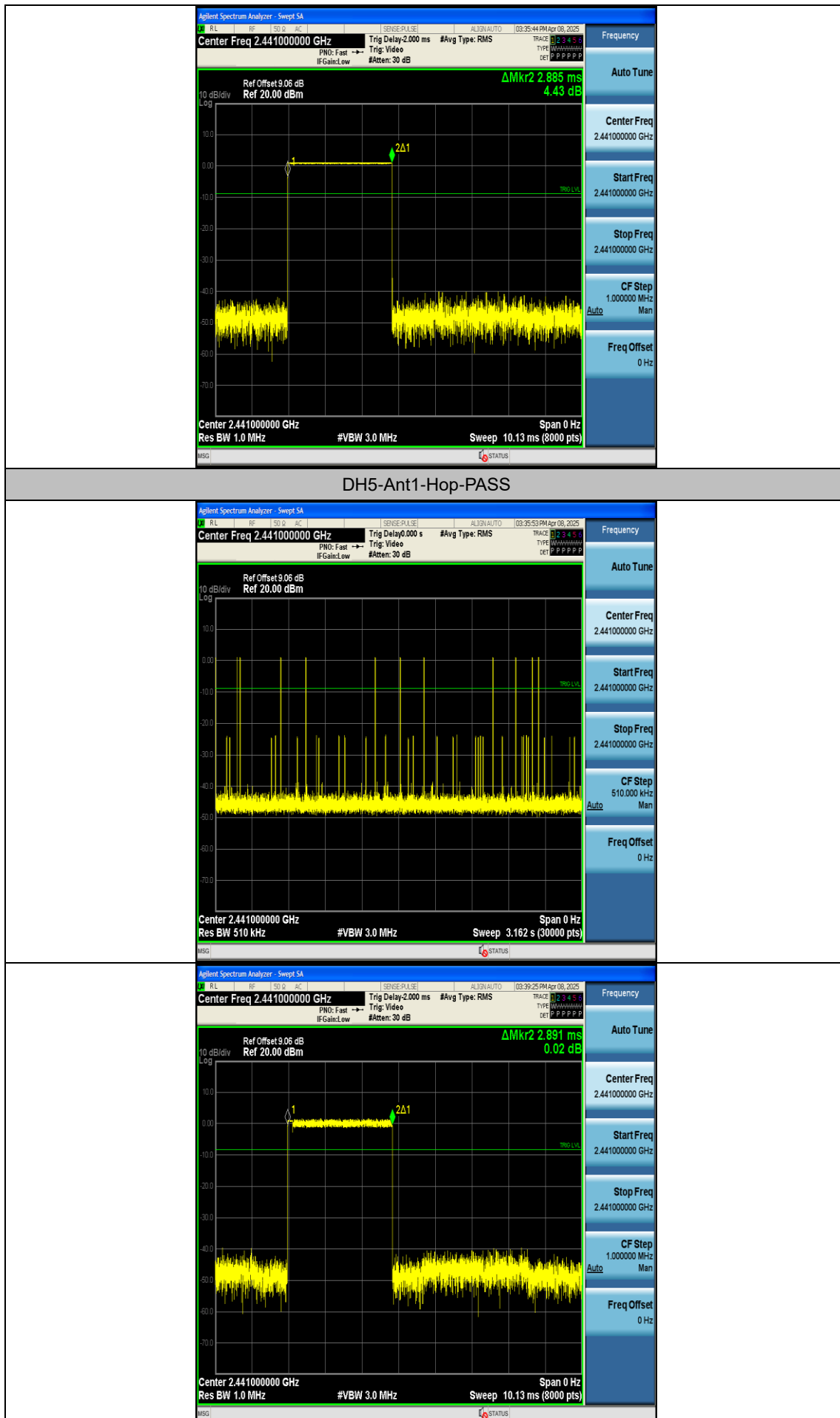
Appendix E: Time of occupancy

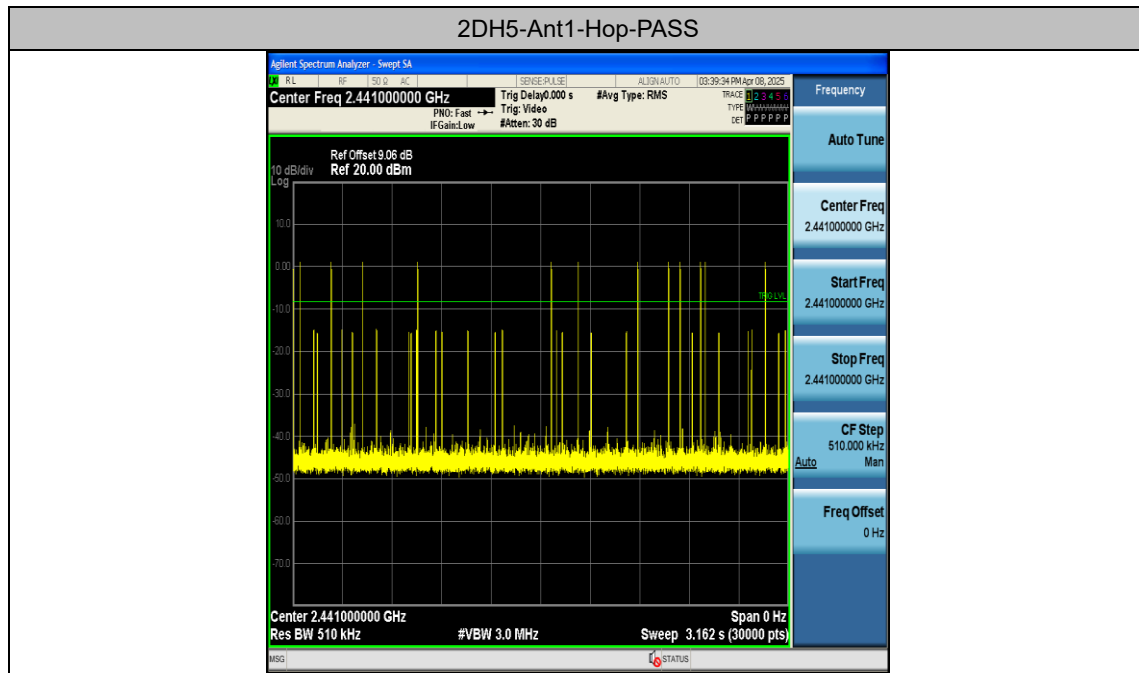
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.885	120	0.346	≤0.4	PASS
2DH5	Ant1	Hop	2.891	130	0.376	≤0.4	PASS

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs





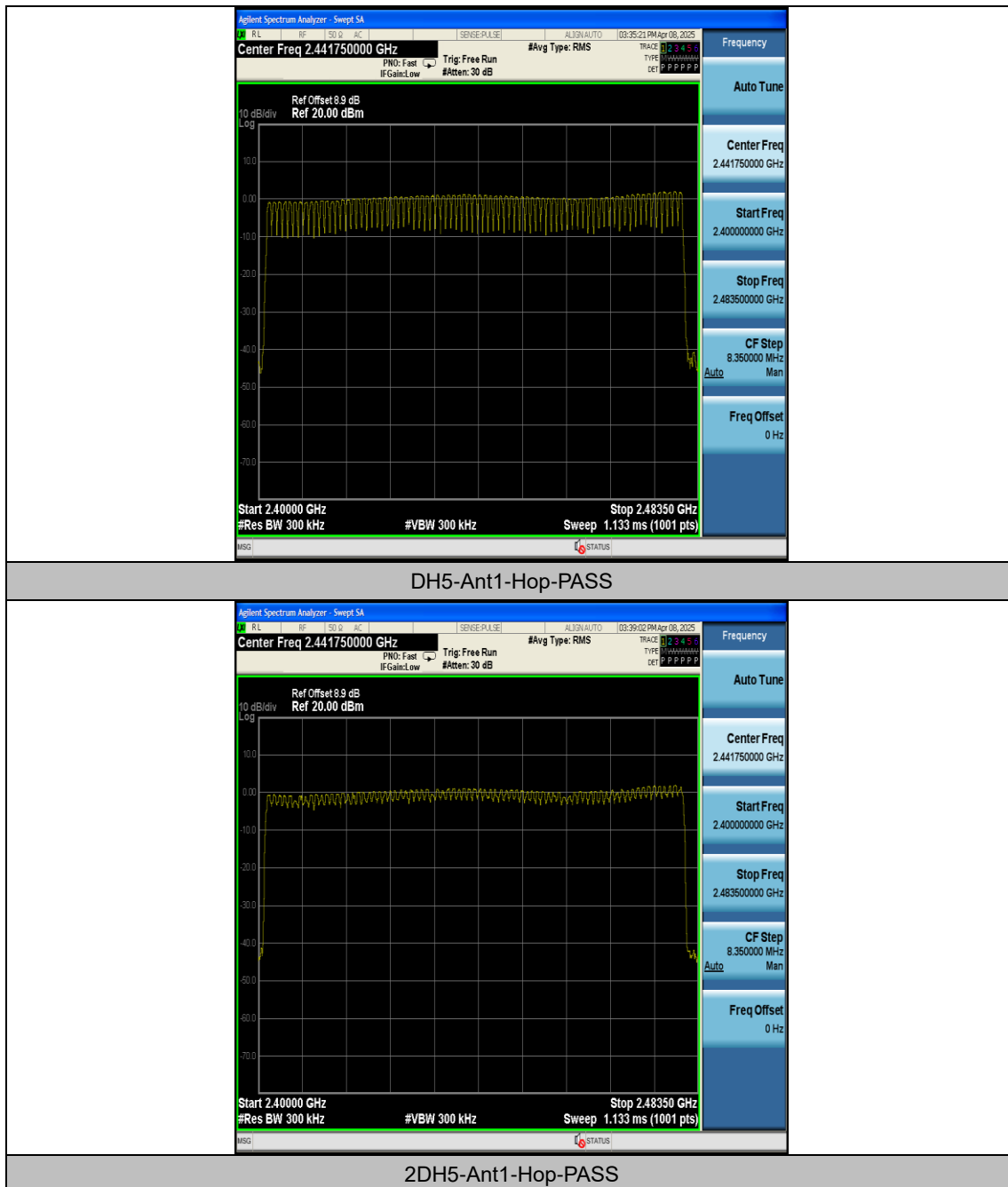
Appendix F: Number of hopping channels

Test Result

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

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs



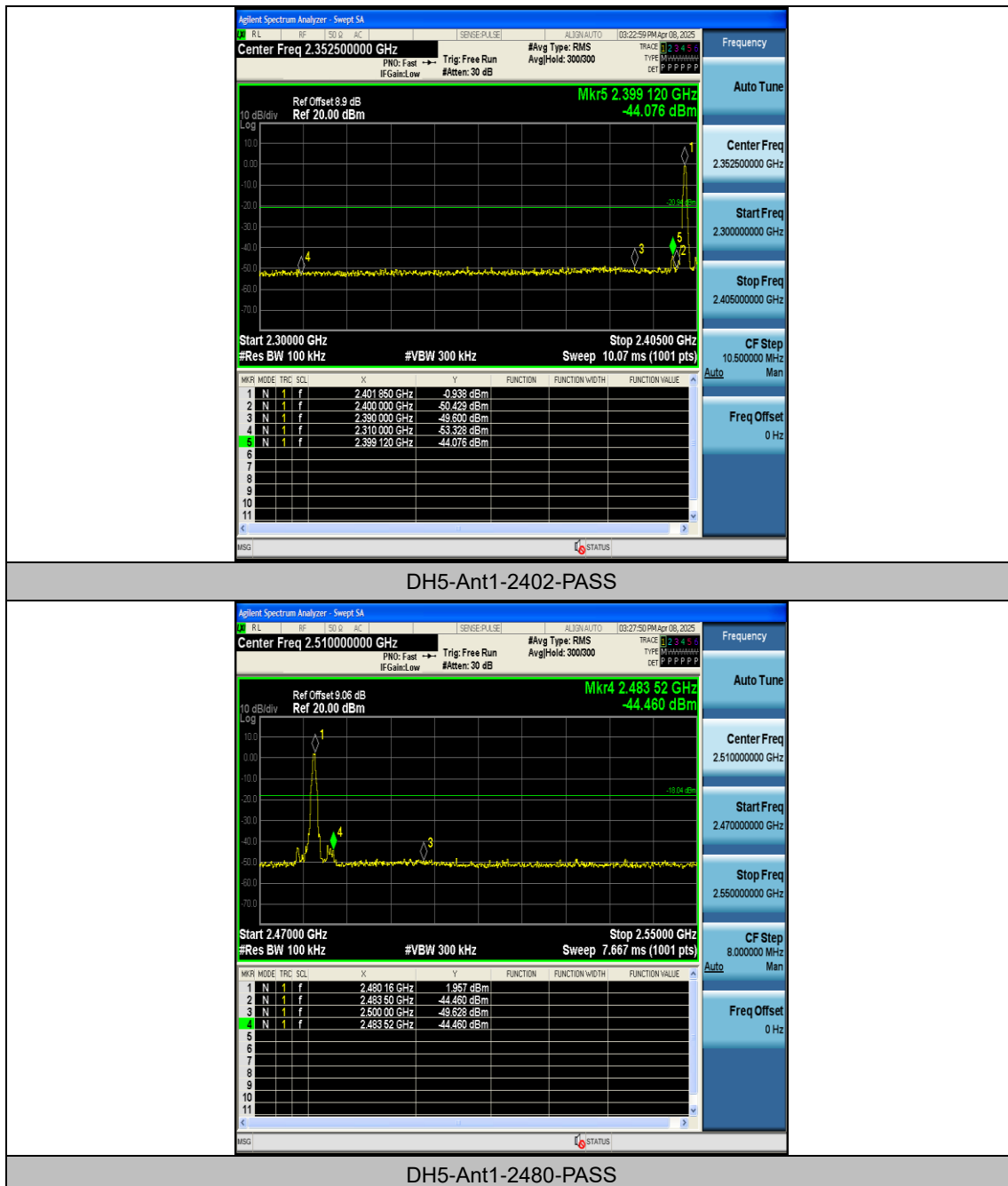
Appendix G: Band edge measurements

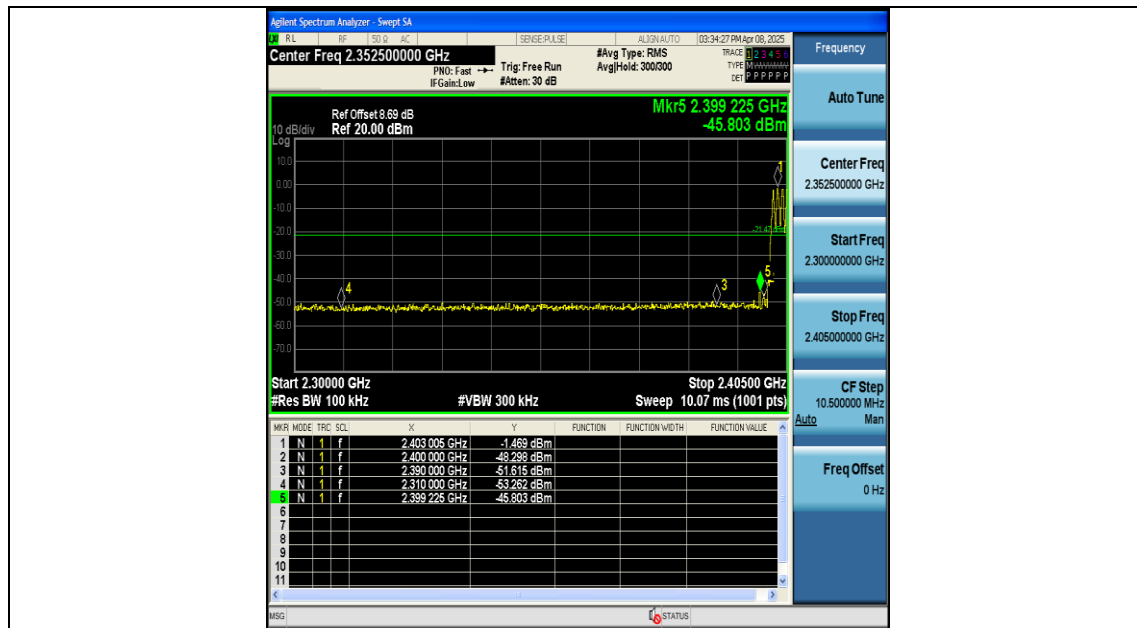
Test Result

Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.94	-44.08	≤-20.94	PASS
DH5	Ant1	High	2480	1.96	-44.46	≤-18.04	PASS
DH5	Ant1	Low	Hop_2402	-1.47	-45.8	≤-21.47	PASS
DH5	Ant1	High	Hop_2480	1.45	-45.68	≤-18.56	PASS
2DH5	Ant1	Low	2402	-0.69	-46.27	≤-20.69	PASS
2DH5	Ant1	High	2480	1.90	-45.36	≤-18.1	PASS
2DH5	Ant1	Low	Hop_2402	-2.90	-48.7	≤-22.9	PASS
2DH5	Ant1	High	Hop_2480	1.19	-48.27	≤-18.81	PASS

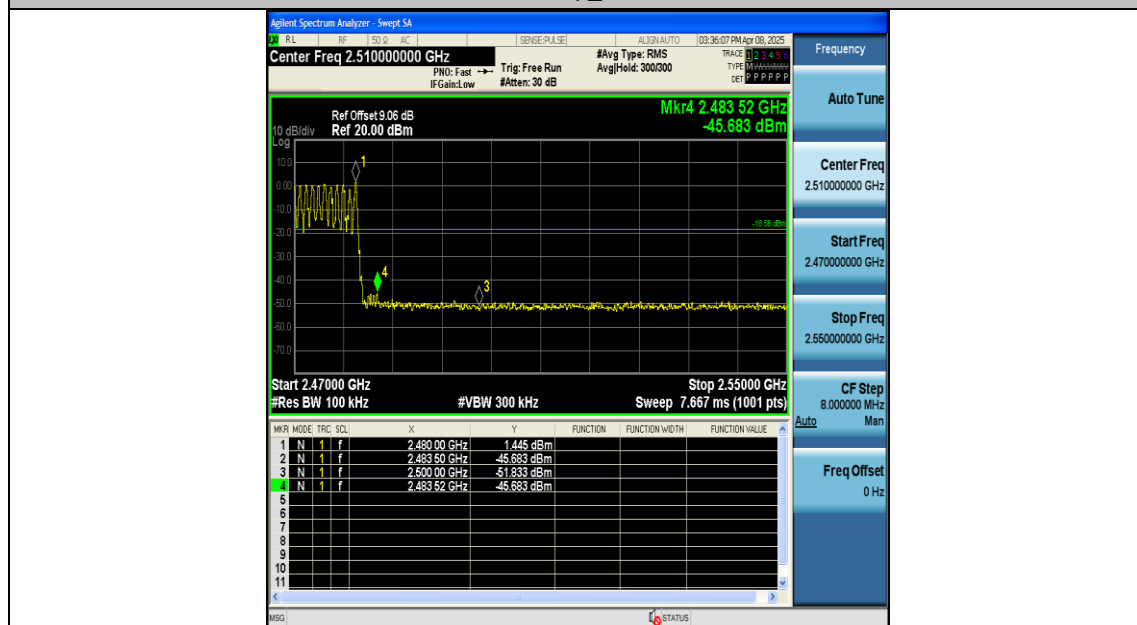
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

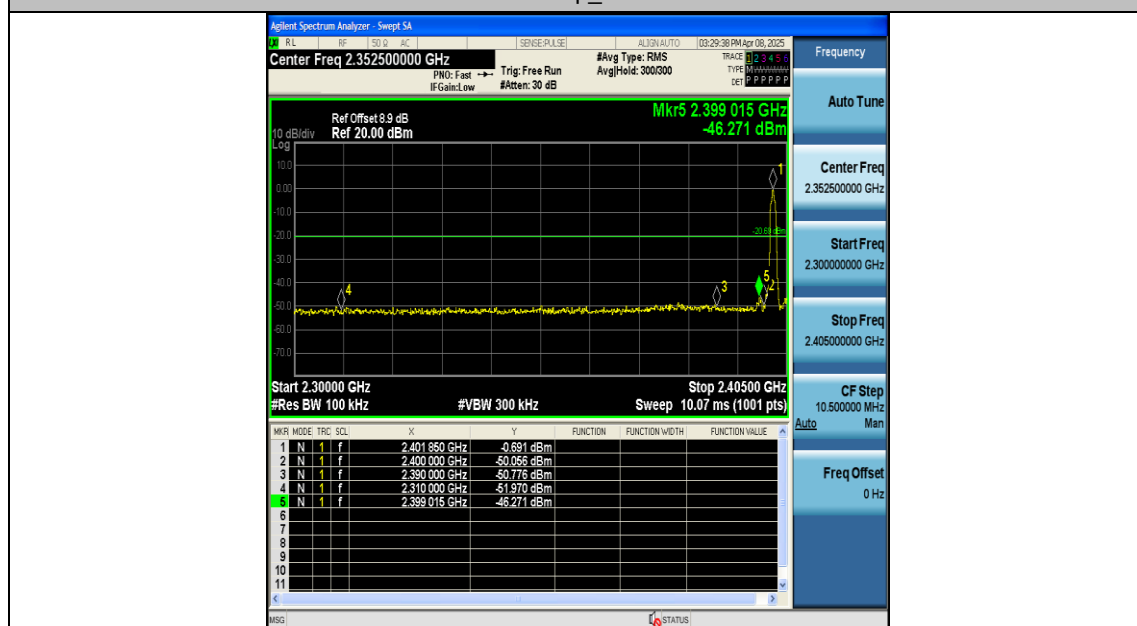




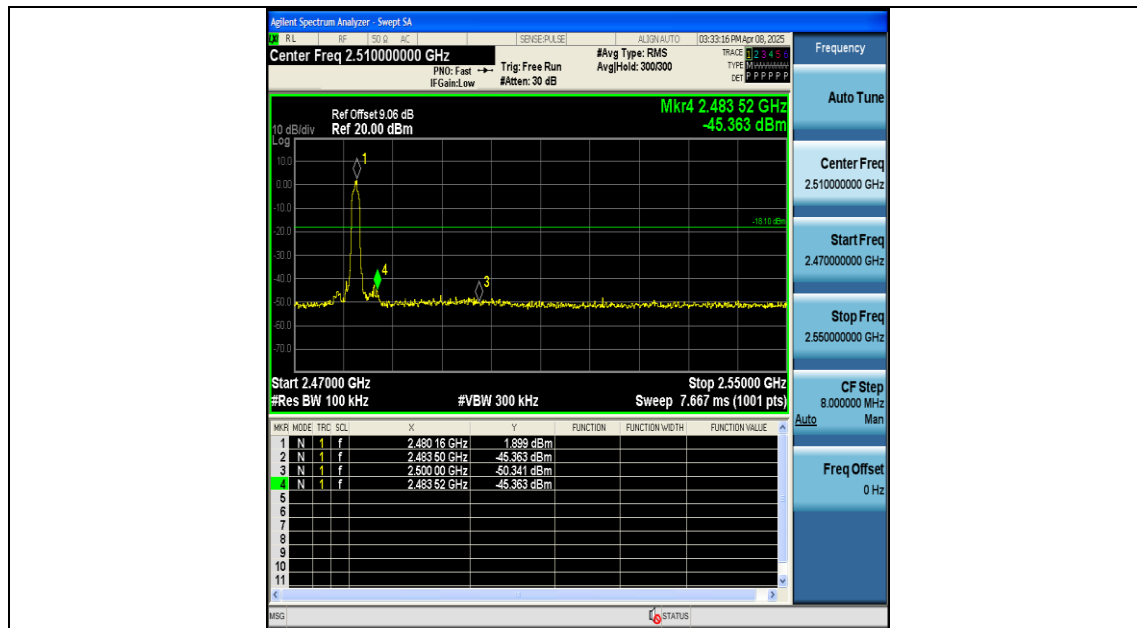
DH5-Ant1-Hop_2402-PASS



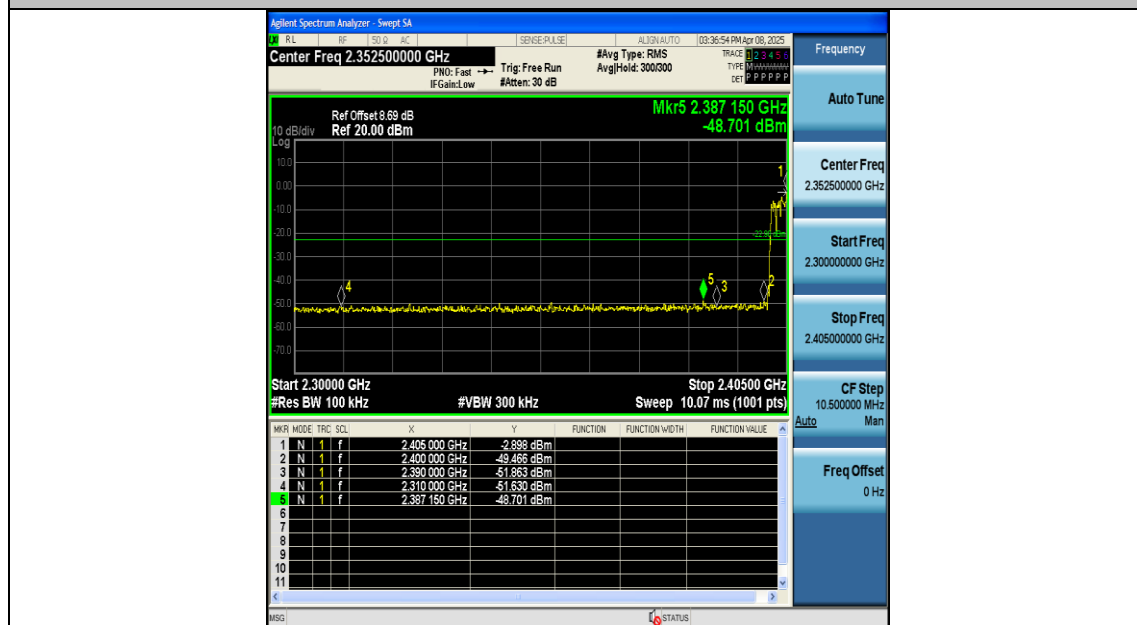
DH5-Ant1-Hop_2480-PASS



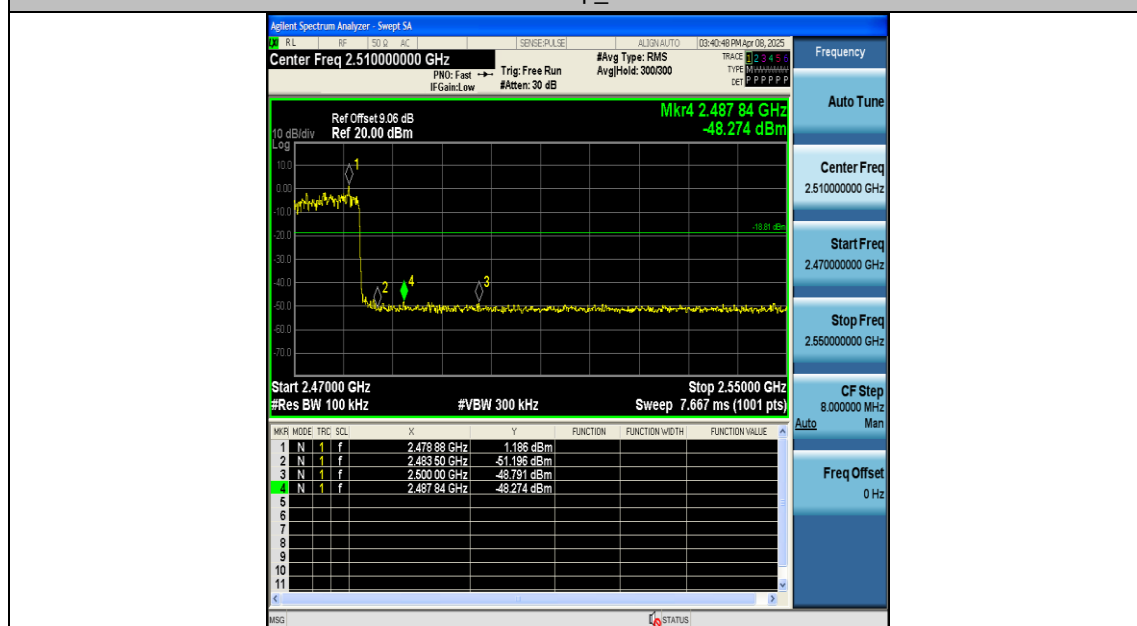
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS

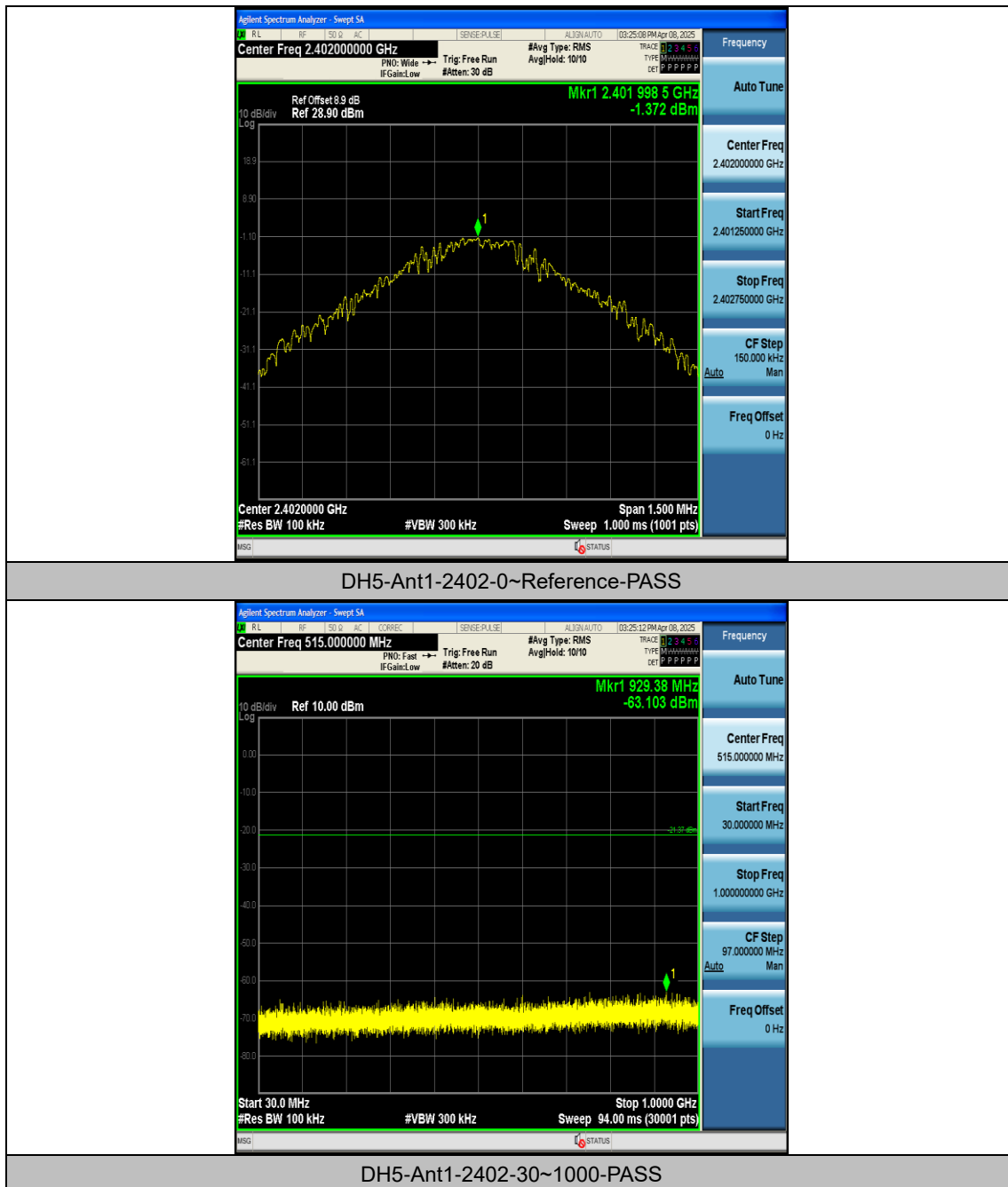
Appendix H: Conducted Spurious Emission

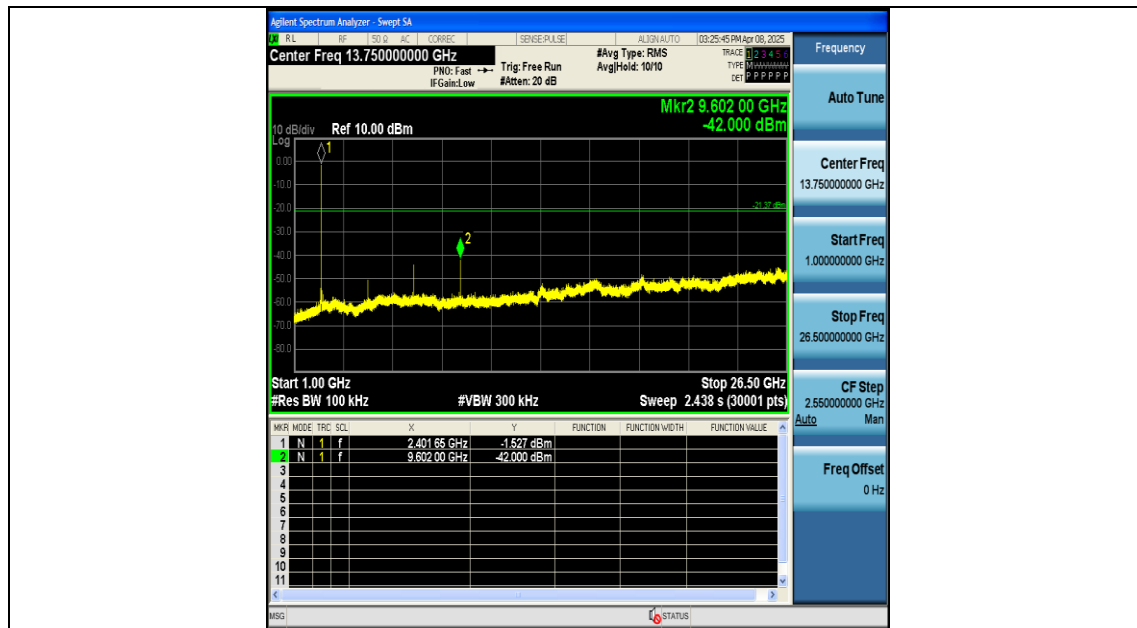
Test Result

Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.37	-1.37	---	PASS
DH5	Ant1	2402	30~1000	-1.37	-63.1	≤-21.37	PASS
DH5	Ant1	2402	1000~26500	-1.37	-42	≤-21.37	PASS
DH5	Ant1	2441	0~Reference	0.31	0.31	---	PASS
DH5	Ant1	2441	30~1000	0.31	-50.81	≤-19.69	PASS
DH5	Ant1	2441	1000~26500	0.31	-41.18	≤-19.69	PASS
DH5	Ant1	2480	0~Reference	1.35	1.35	---	PASS
DH5	Ant1	2480	30~1000	1.35	-62.86	≤-18.65	PASS
DH5	Ant1	2480	1000~26500	1.35	-40.73	≤-18.65	PASS
2DH5	Ant1	2402	0~Reference	-1.94	-1.94	---	PASS
2DH5	Ant1	2402	30~1000	-1.94	-62.66	≤-21.94	PASS
2DH5	Ant1	2402	1000~26500	-1.94	-42.22	≤-21.94	PASS
2DH5	Ant1	2441	0~Reference	-0.66	-0.66	---	PASS
2DH5	Ant1	2441	30~1000	-0.66	-62.69	≤-20.66	PASS
2DH5	Ant1	2441	1000~26500	-0.66	-41.22	≤-20.66	PASS
2DH5	Ant1	2480	0~Reference	1.50	1.50	---	PASS
2DH5	Ant1	2480	30~1000	1.50	-63.14	≤-18.5	PASS
2DH5	Ant1	2480	1000~26500	1.50	-40.84	≤-18.5	PASS

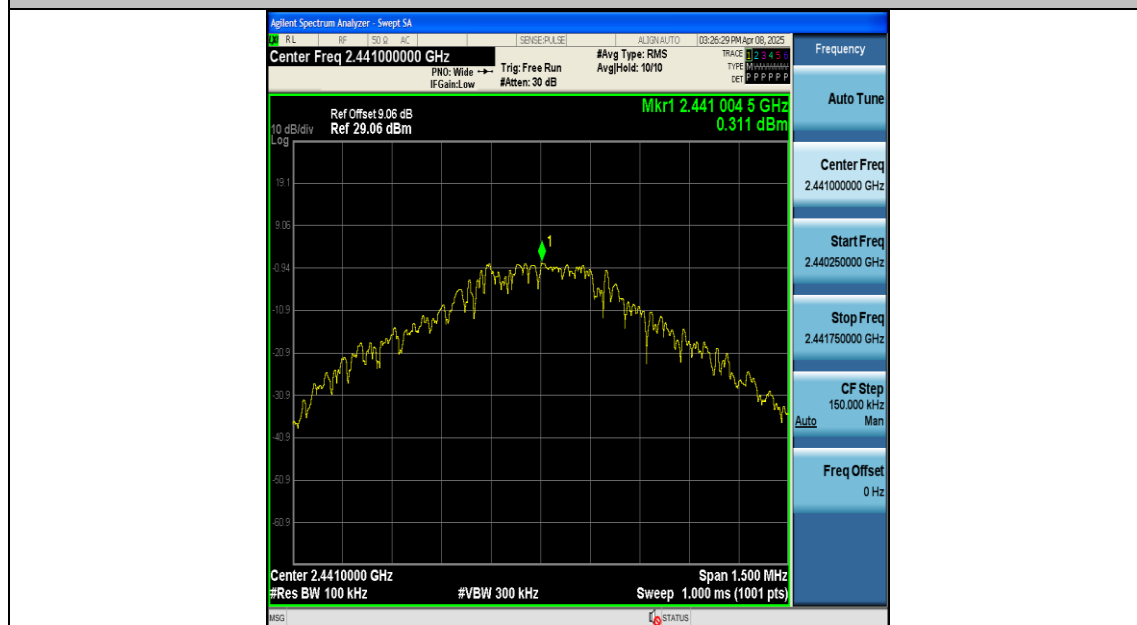
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

Test Graphs

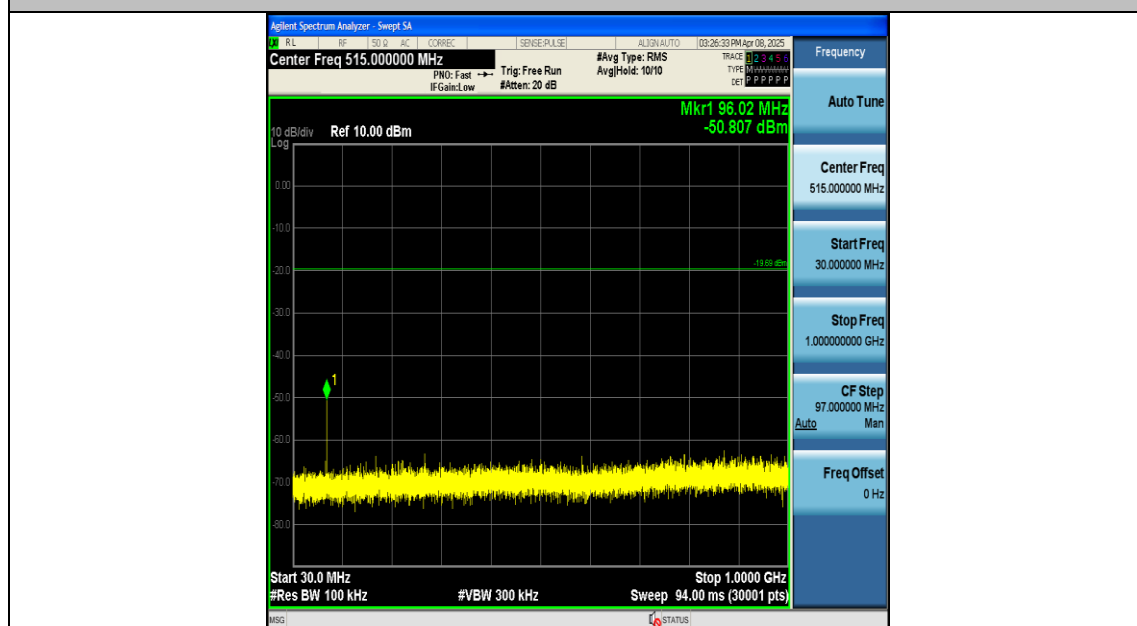




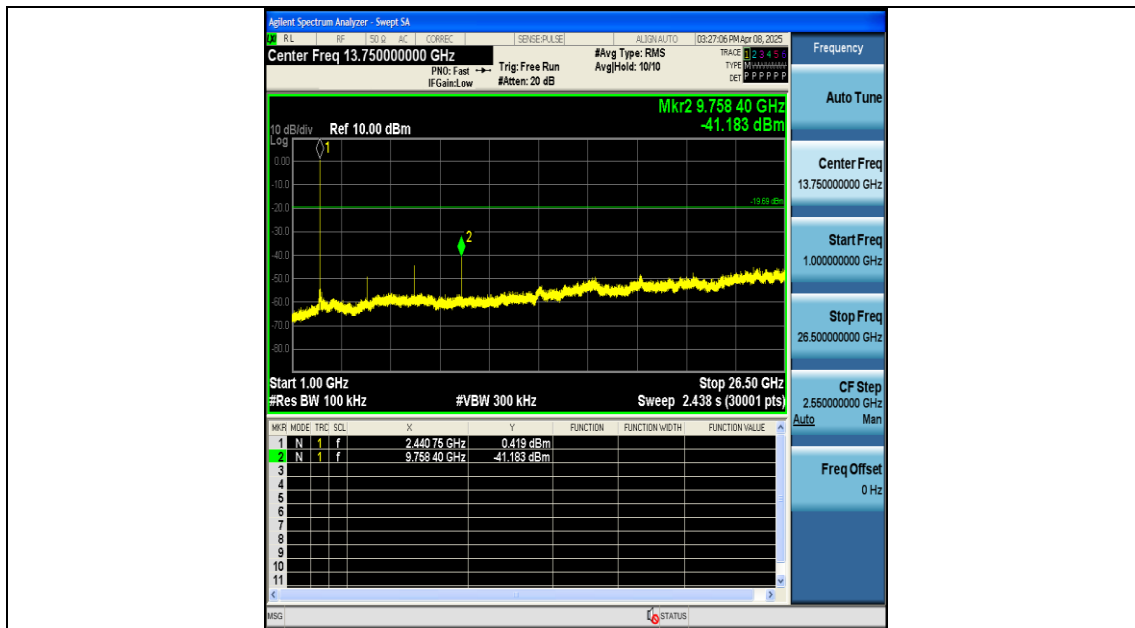
DH5-Ant1-2402-1000~26500-PASS



DH5-Ant1-2441-0~Reference-PASS



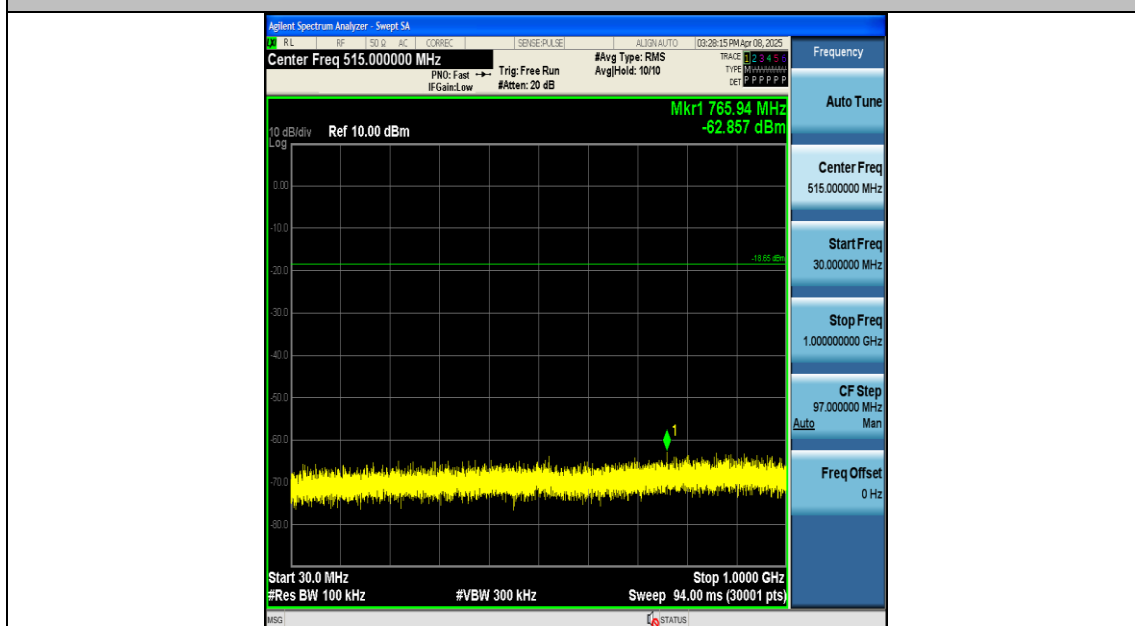
DH5-Ant1-2441-30~1000-PASS



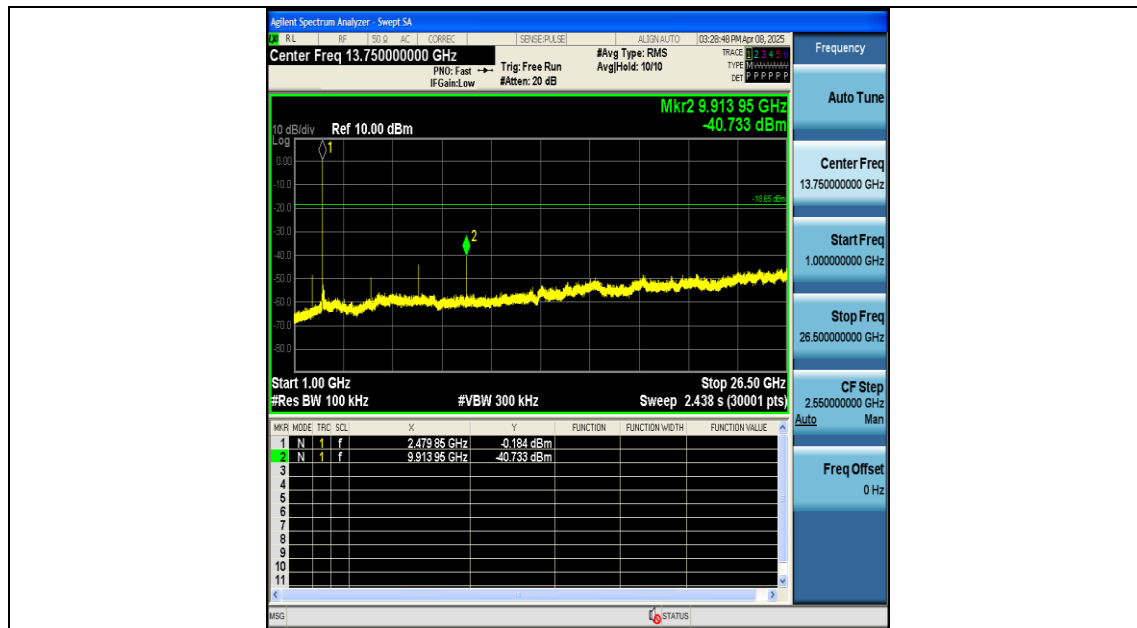
DH5-Ant1-2441-1000~26500-PASS



DH5-Ant1-2480-0~Reference-PASS



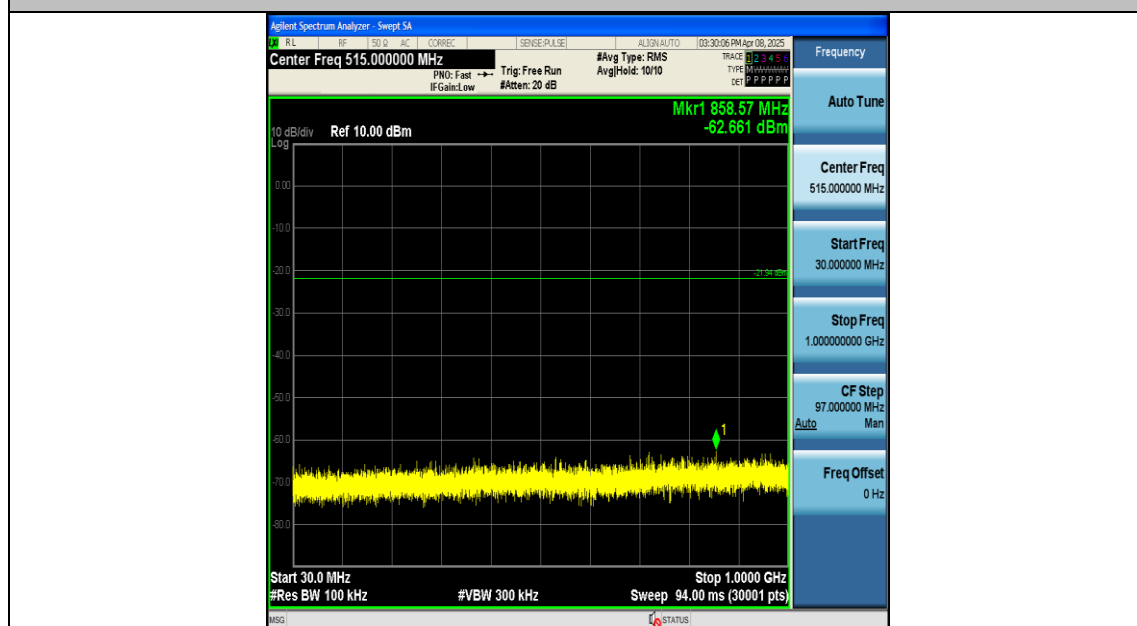
DH5-Ant1-2480-30~1000-PASS



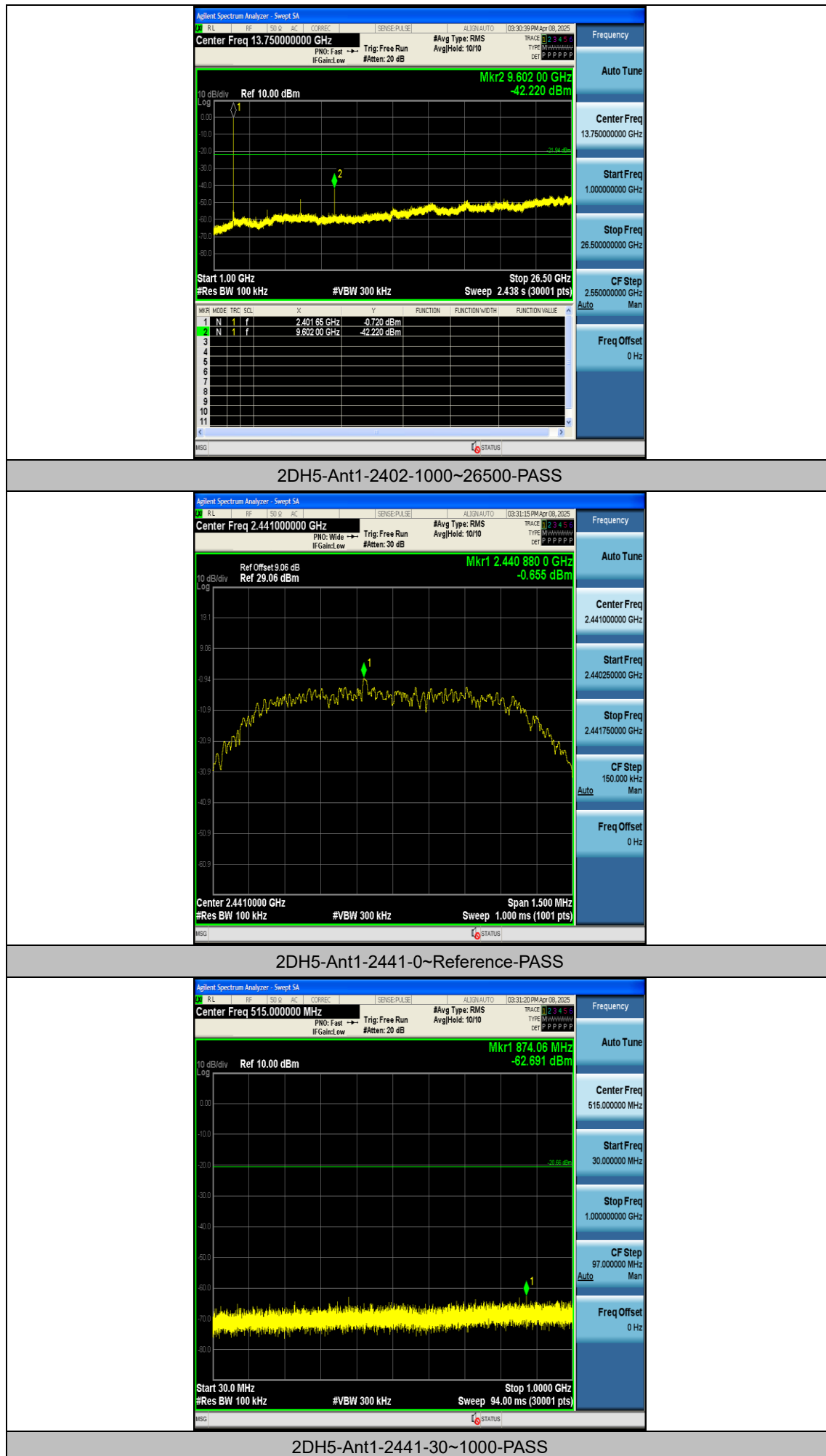
DH5-Ant1-2480-1000~26500-PASS

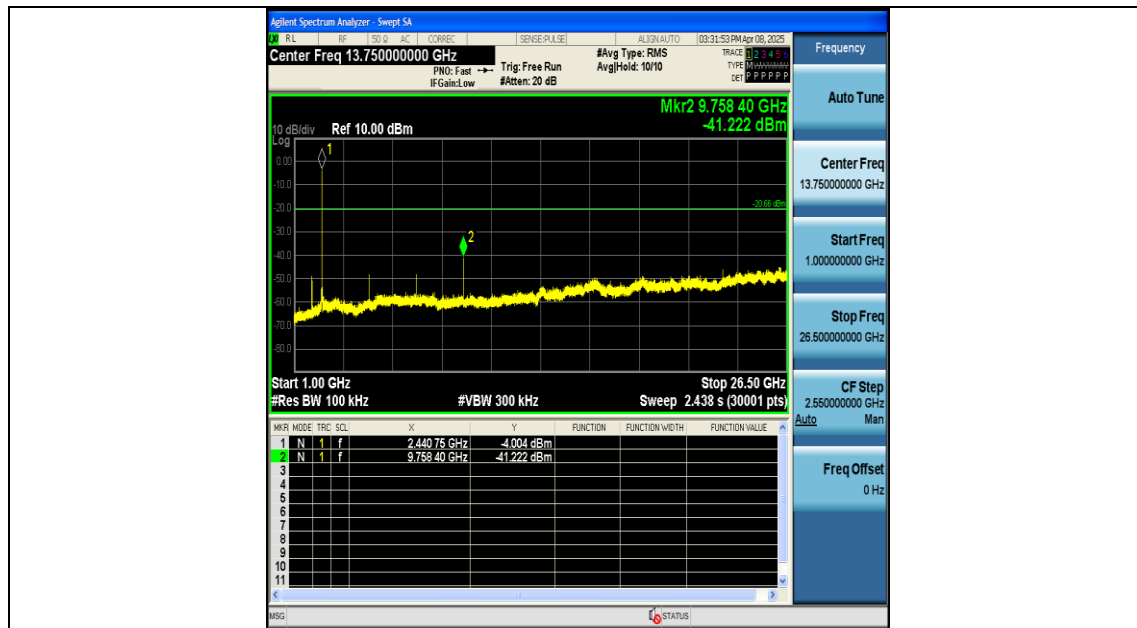


2DH5-Ant1-2402-0~Reference-PASS

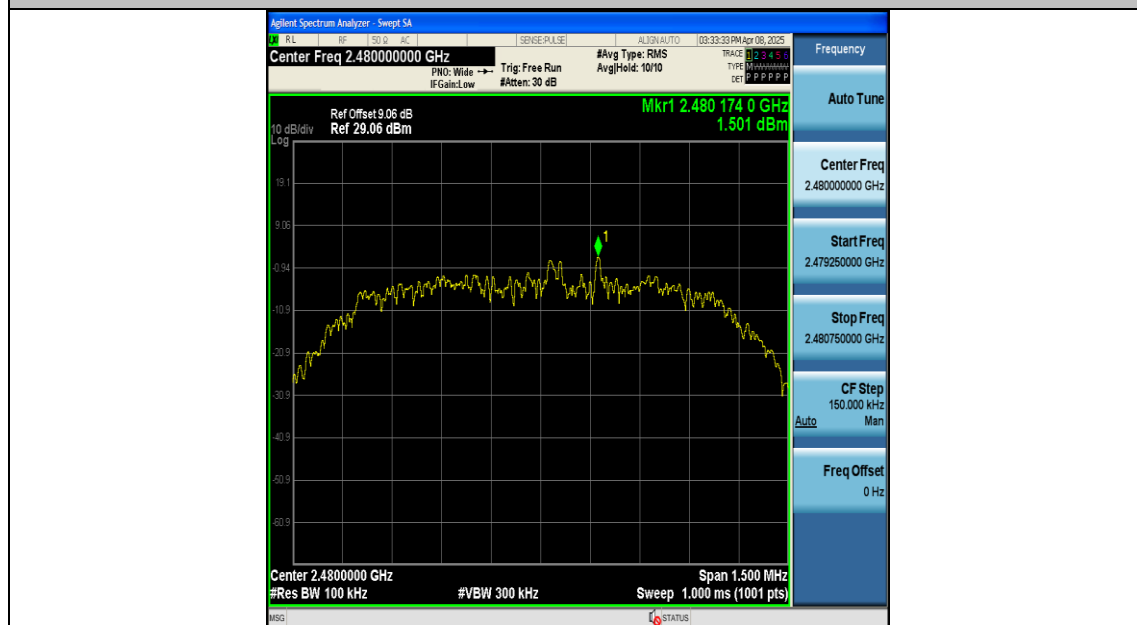


2DH5-Ant1-2402-30~1000-PASS

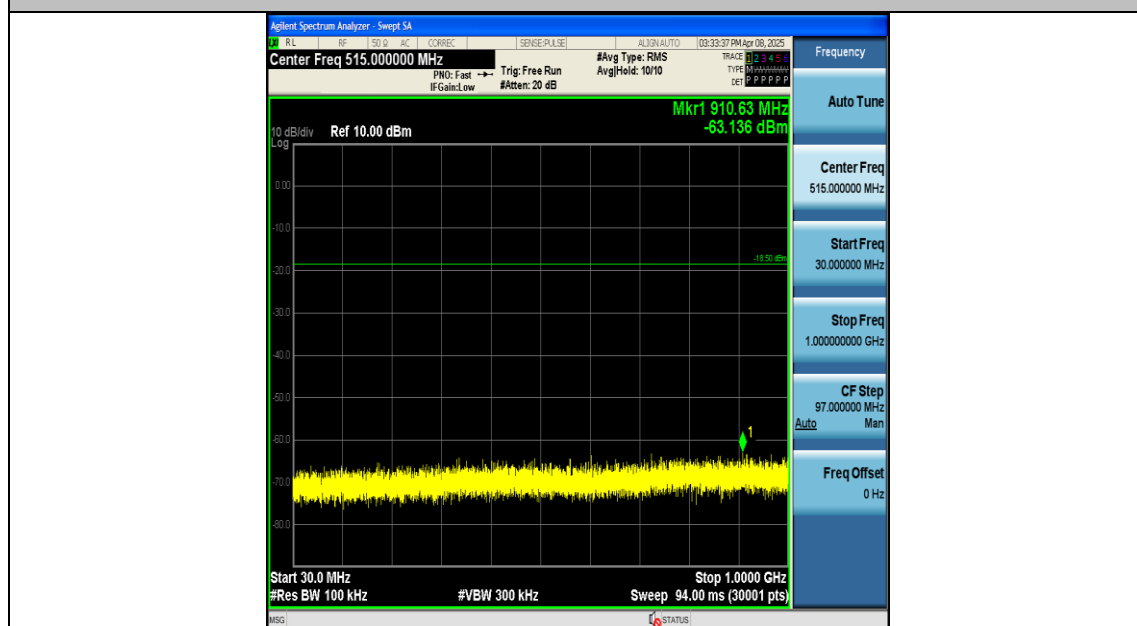




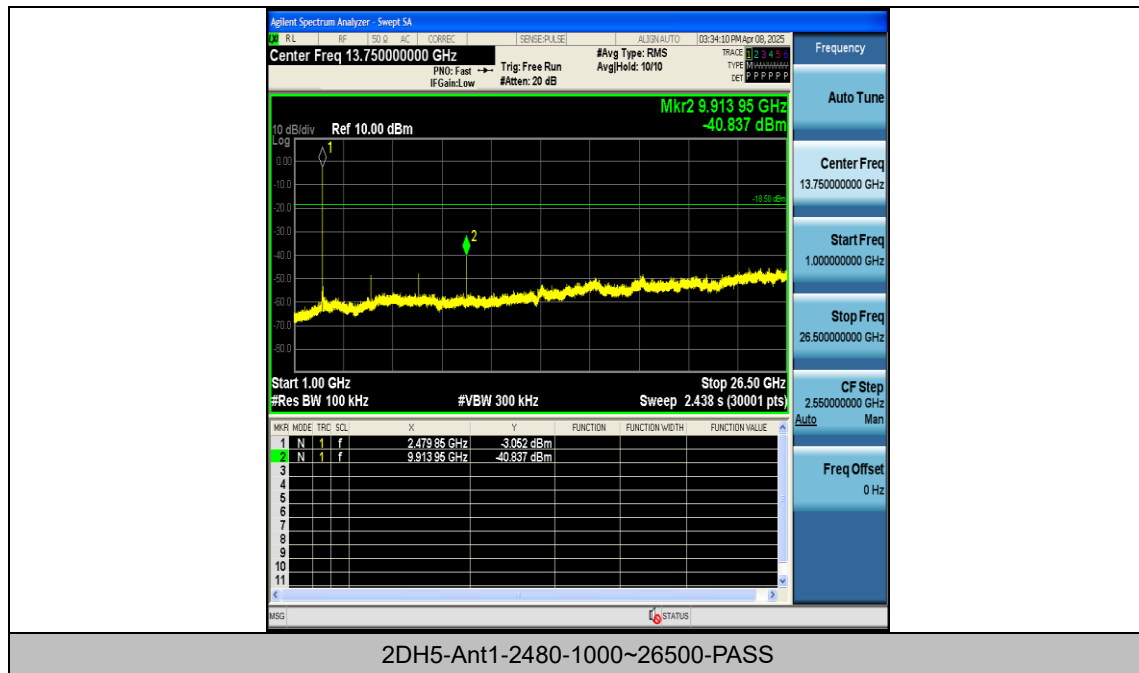
2DH5-Ant1-2441-1000~26500-PASS



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



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



Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.88	3.74	77.01	1.13
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	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

Test Graphs

