

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

Product Name: Bluetooth noise-cancelling headphones

Trade Mark: /

Test Model: AN-1

FCC ID: 2BEM6-AN-1

Environmental Conditions

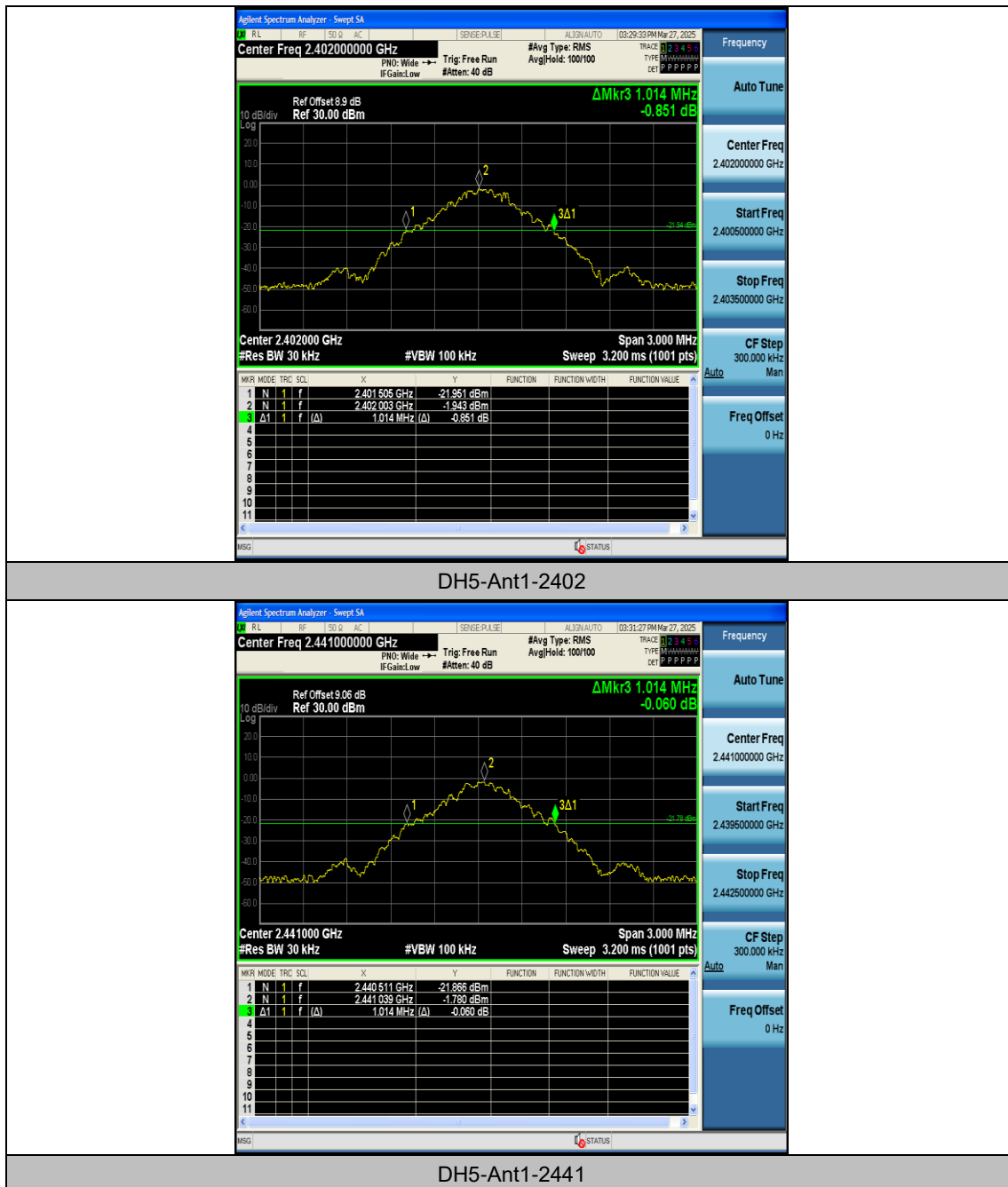
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

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	1.014	2401.505	2402.519	---	---
DH5	Ant1	2441	1.014	2440.511	2441.525	---	---
DH5	Ant1	2480	0.948	2479.565	2480.513	---	---
2DH5	Ant1	2402	1.275	2401.409	2402.684	---	---
2DH5	Ant1	2441	1.317	2440.367	2441.684	---	---
2DH5	Ant1	2480	1.311	2479.373	2480.684	---	---

Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

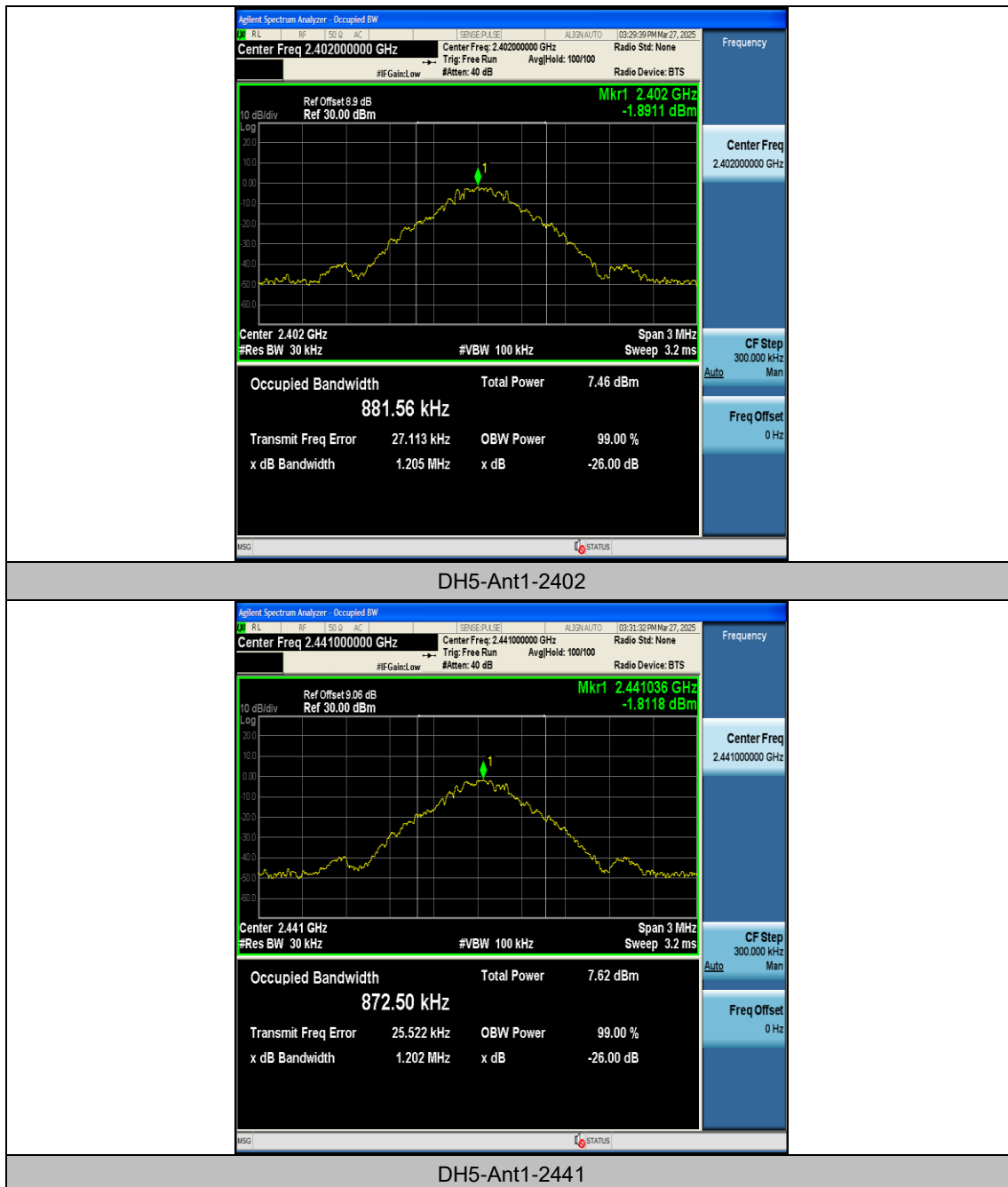


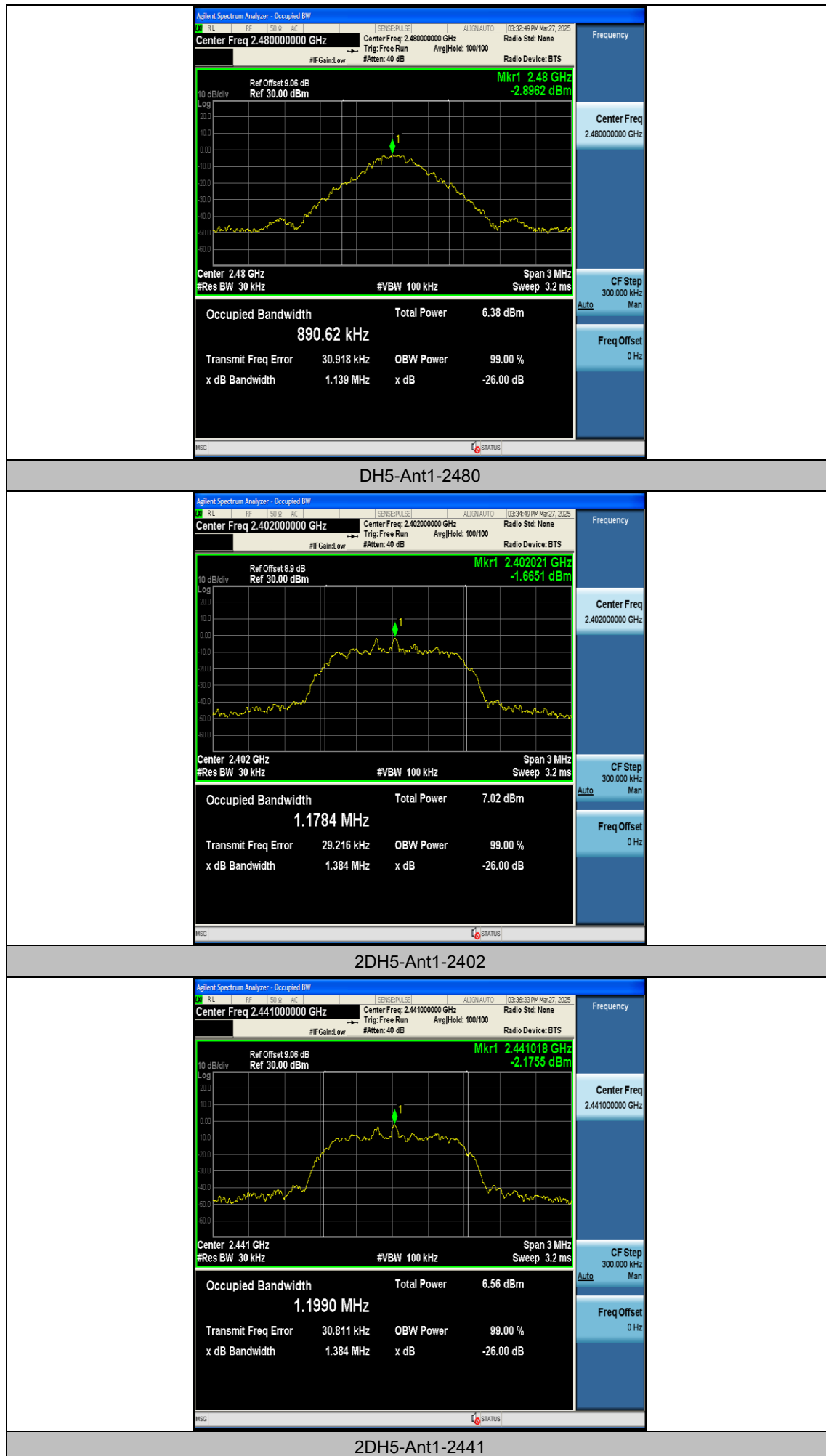
Appendix B: Occupied Channel Bandwidth

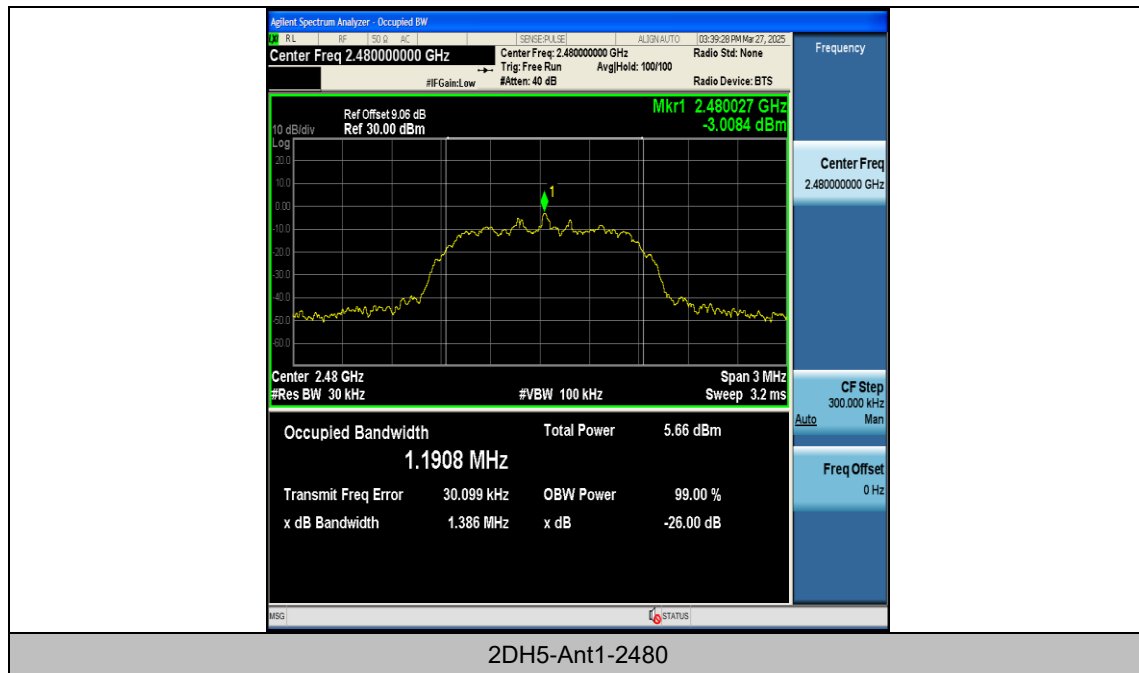
Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.88156	2401.5863	2402.4679	---	---
DH5	Ant1	2441	0.87250	2440.5893	2441.4618	---	---
DH5	Ant1	2480	0.89062	2479.5856	2480.4762	---	---
2DH5	Ant1	2402	1.1784	2401.4400	2402.6184	---	---
2DH5	Ant1	2441	1.1990	2440.4313	2441.6303	---	---
2DH5	Ant1	2480	1.1908	2479.4347	2480.6255	---	---

Test Graphs





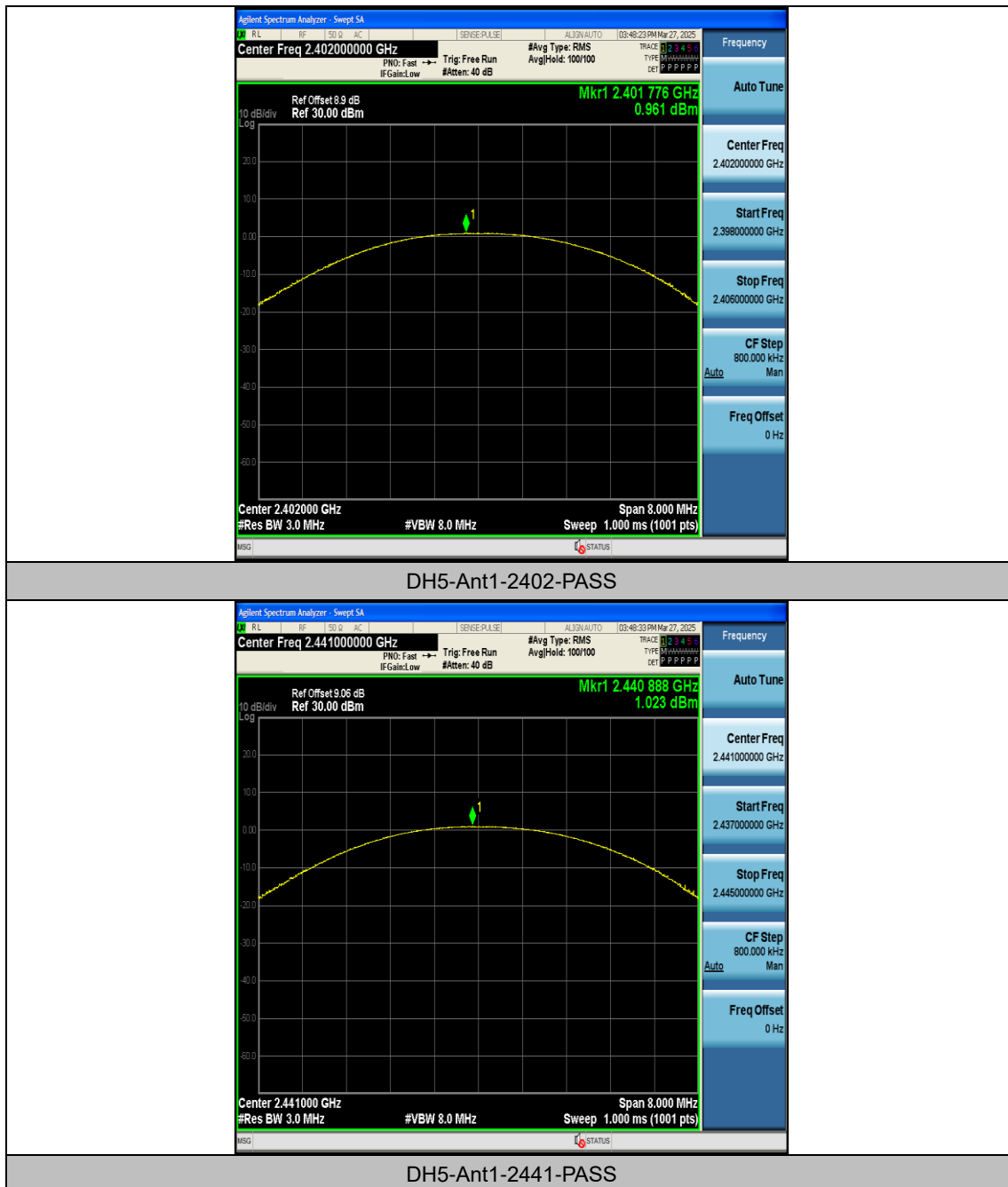


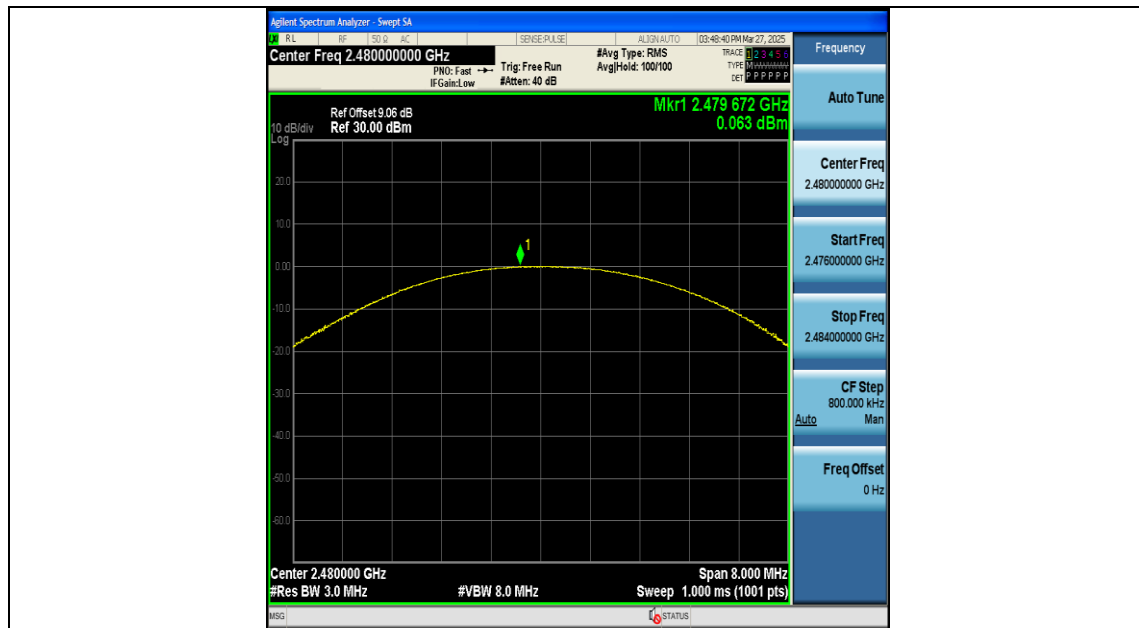
Appendix C: Maximum peak conducted output power

Test Result

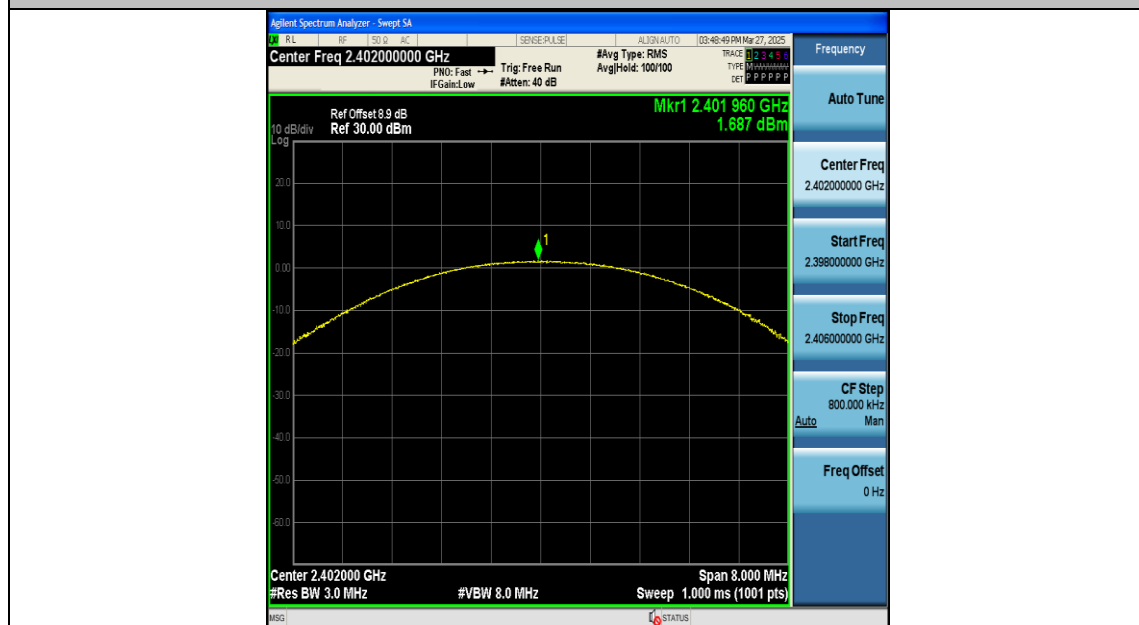
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	0.96	≤20.97	PASS
DH5	Ant1	2441	1.02	≤20.97	PASS
DH5	Ant1	2480	0.06	≤20.97	PASS
2DH5	Ant1	2402	1.69	≤20.97	PASS
2DH5	Ant1	2441	1.79	≤20.97	PASS
2DH5	Ant1	2480	0.88	≤20.97	PASS

Test Graphs

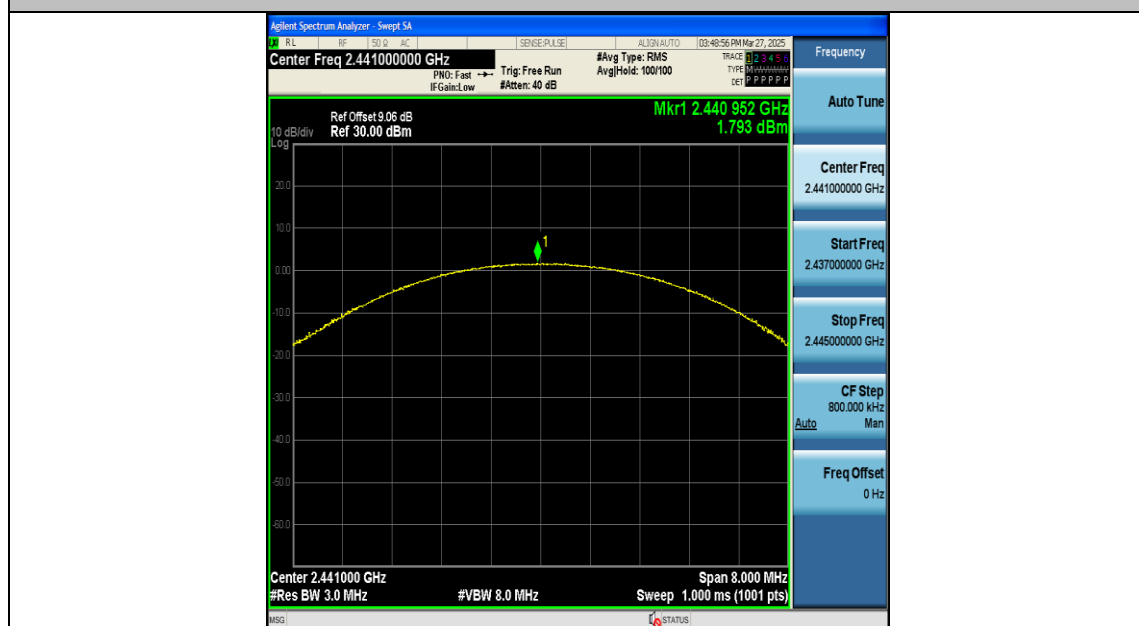




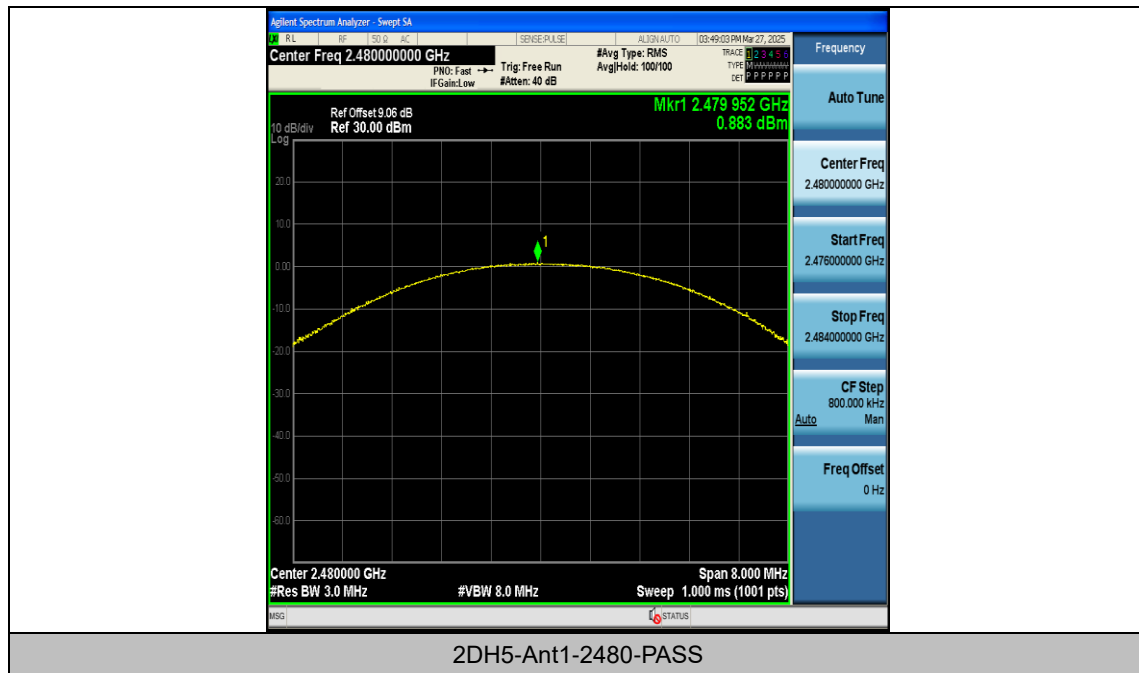
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

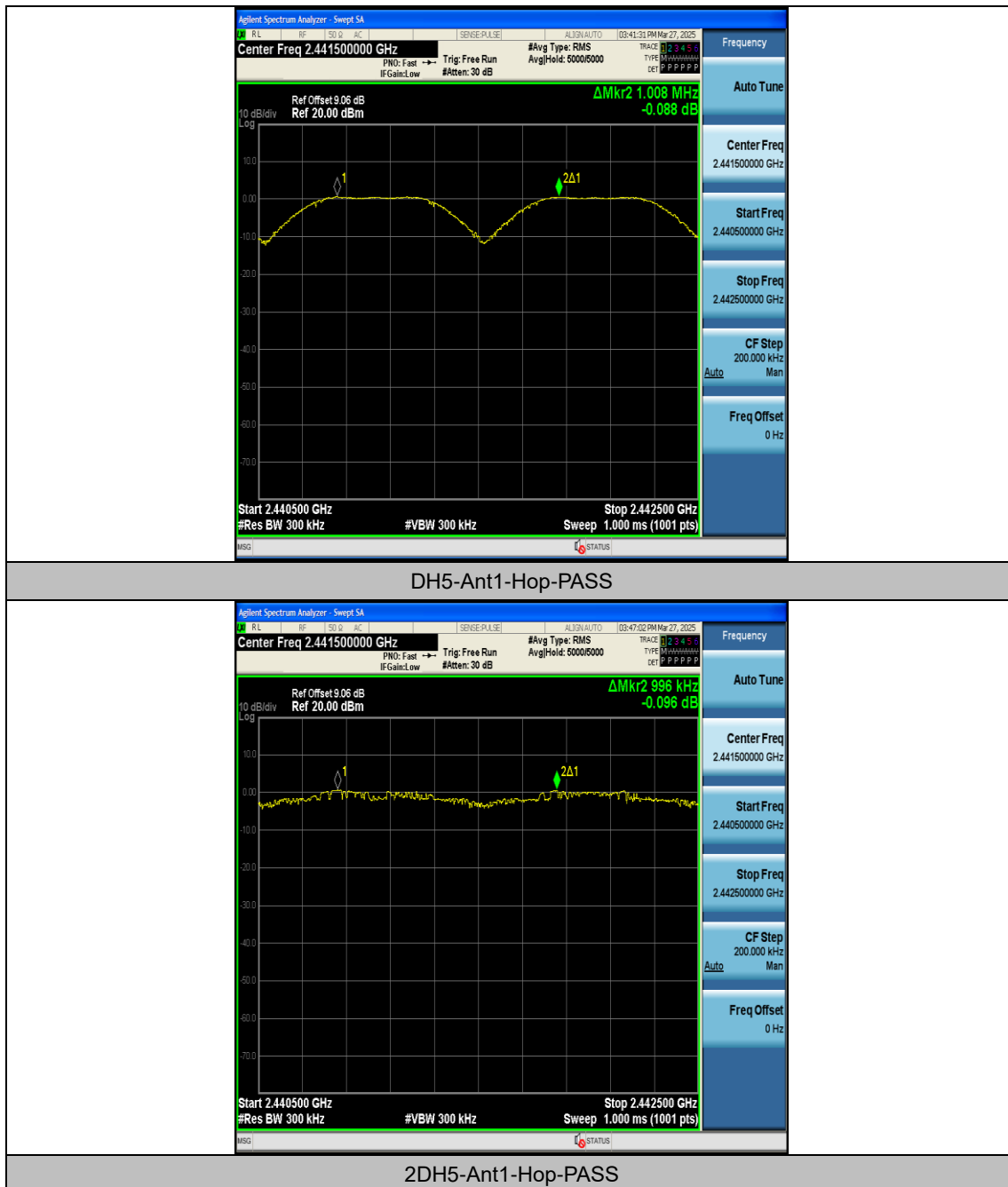


Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.008	≥ 0.676	PASS
2DH5	Ant1	Hop	0.996	≥ 0.878	PASS

Test Graphs

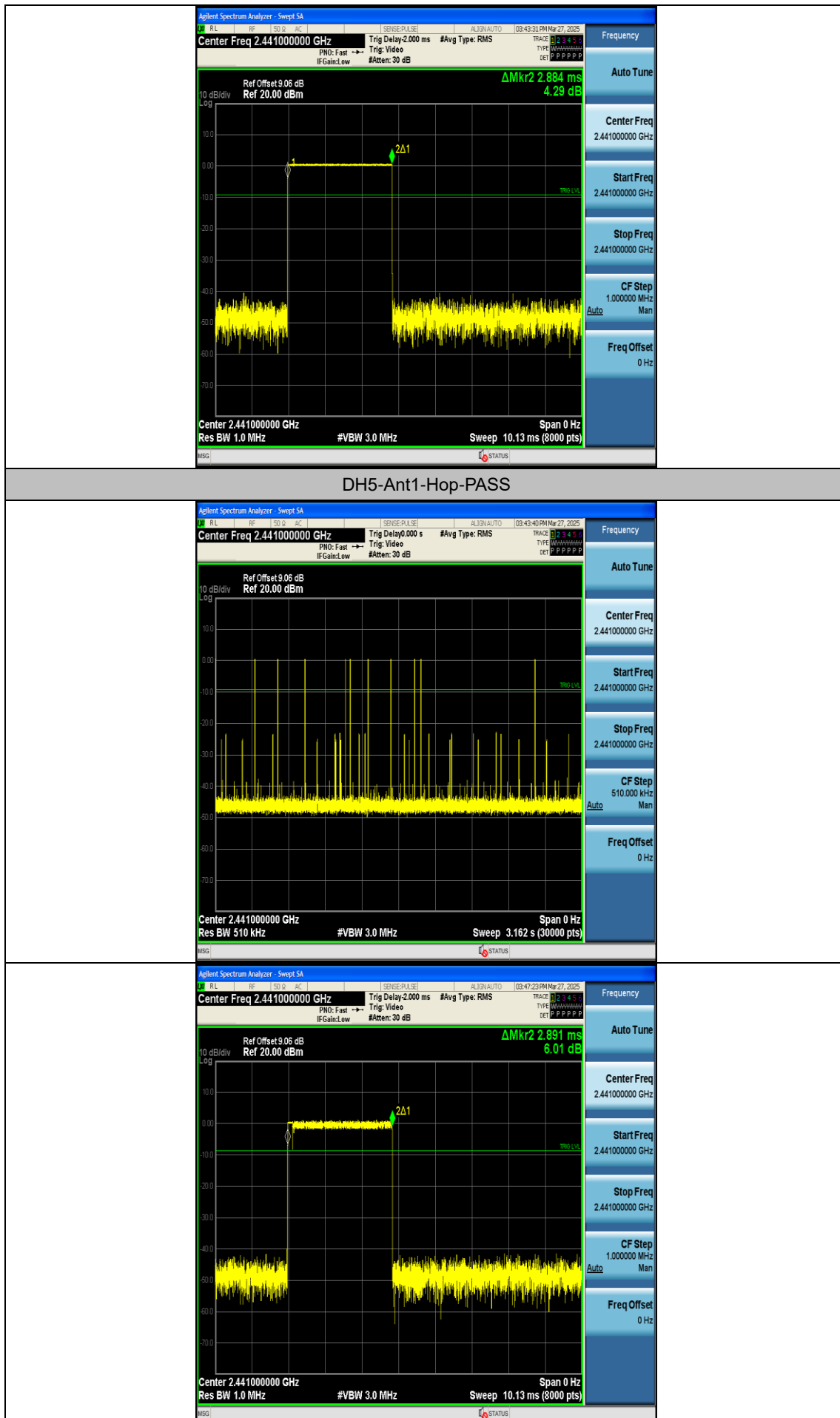


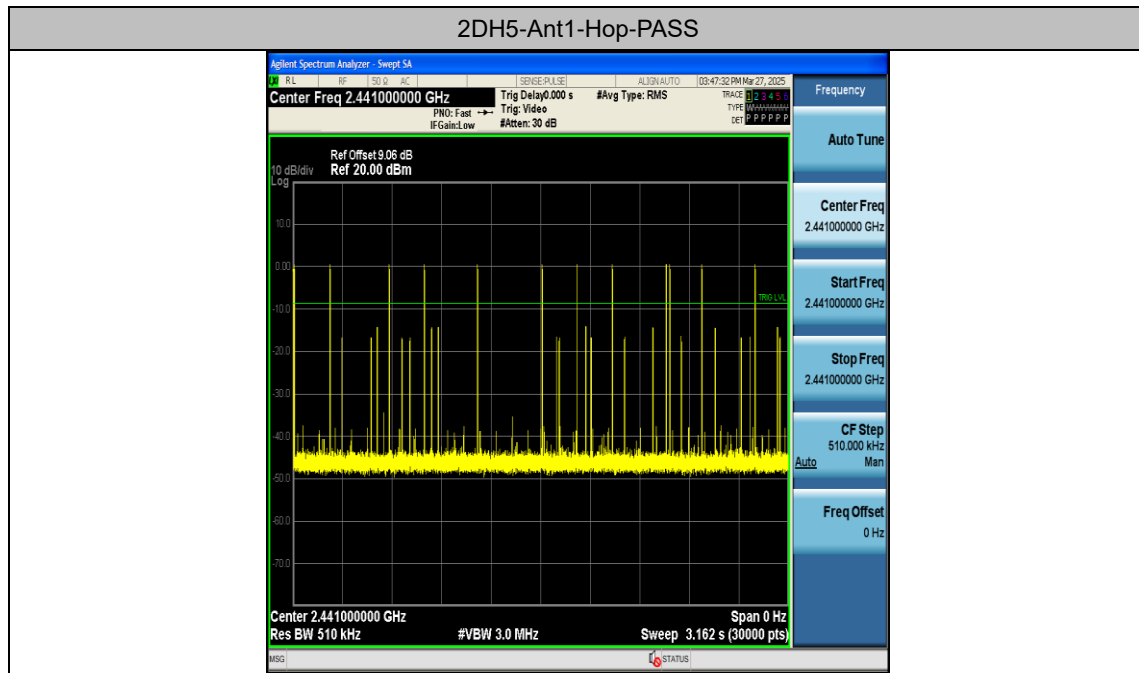
Appendix E: Time of occupancy

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.884	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.891	130	0.376	≤0.4	PASS

Test Graphs



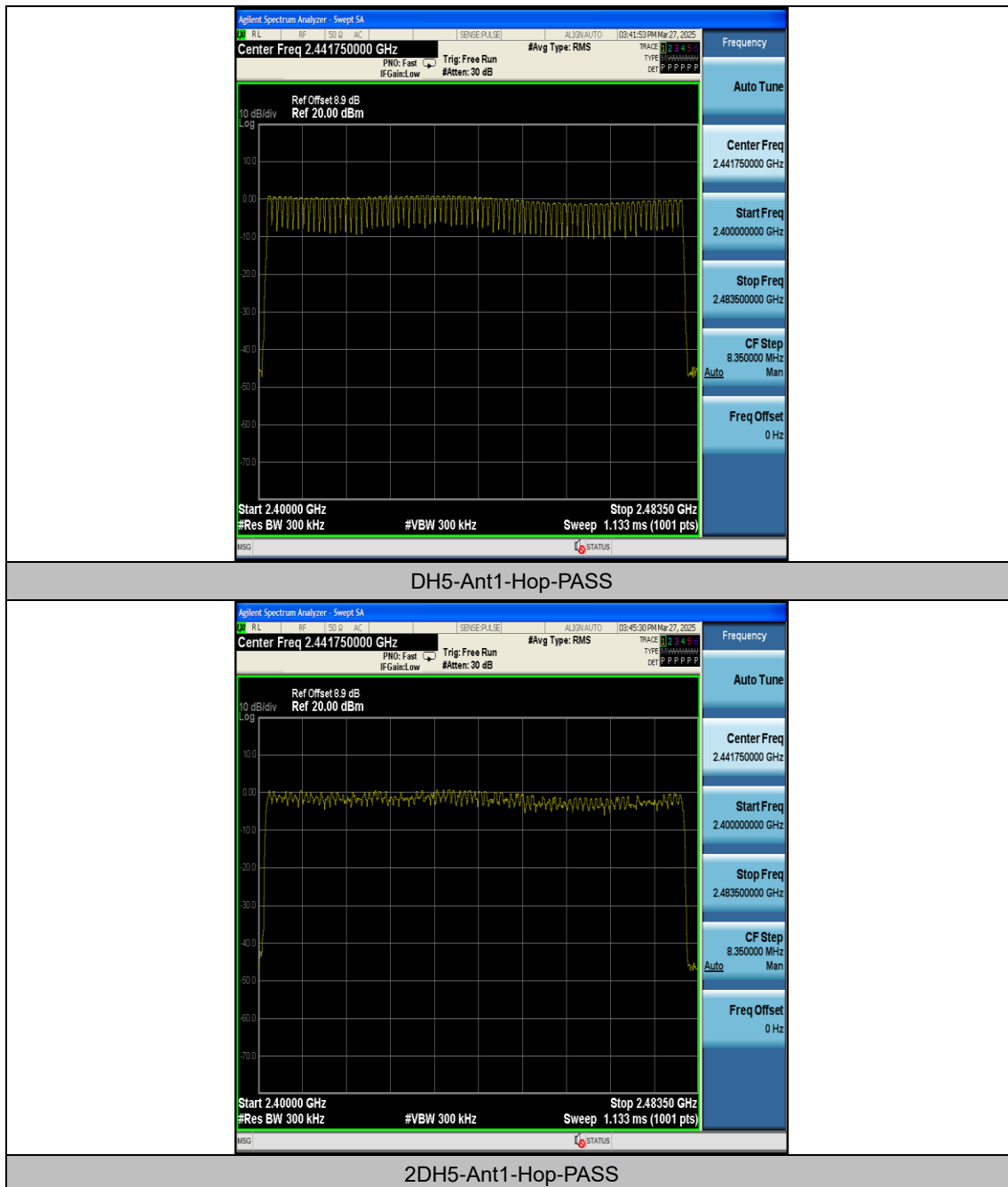


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

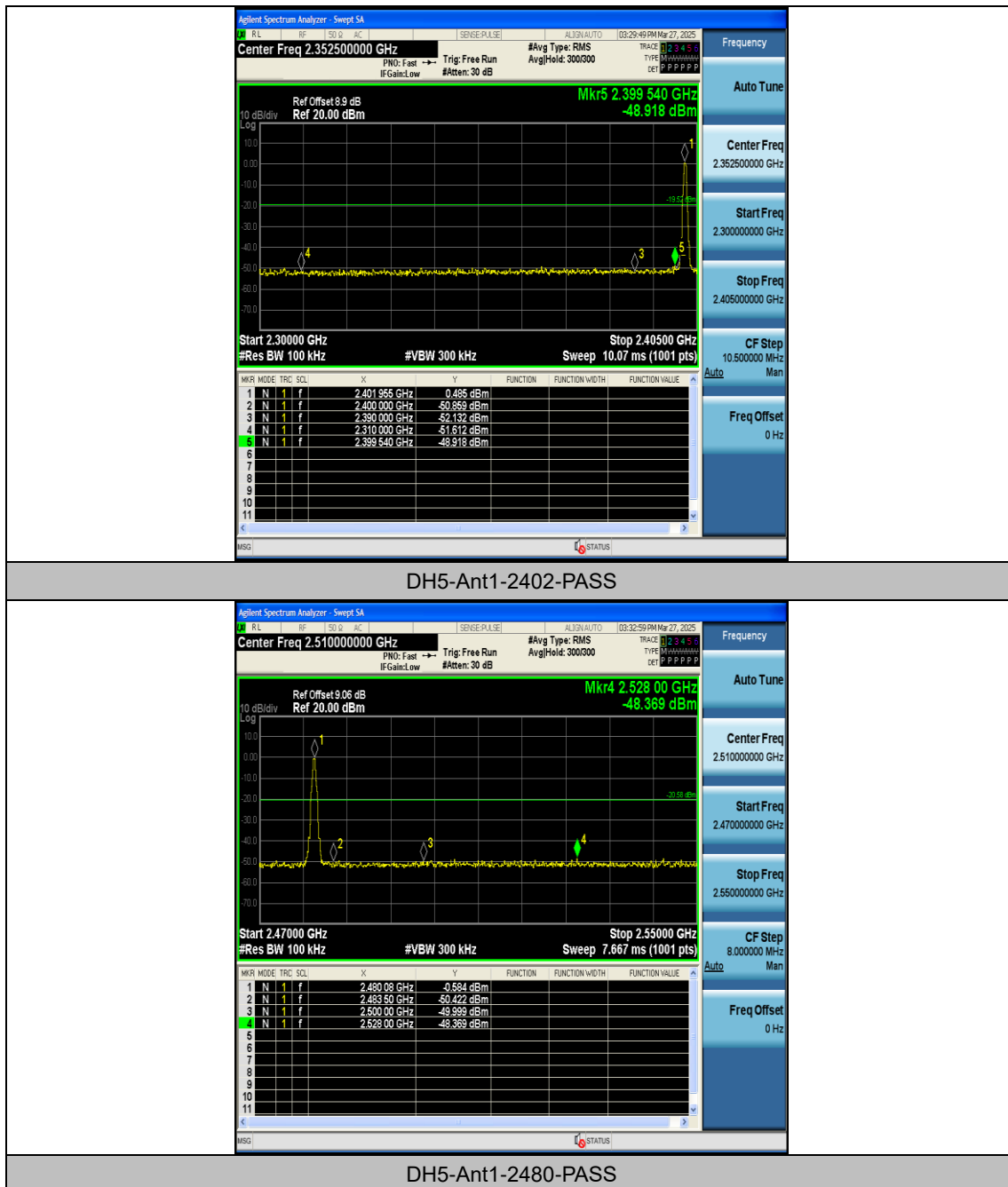


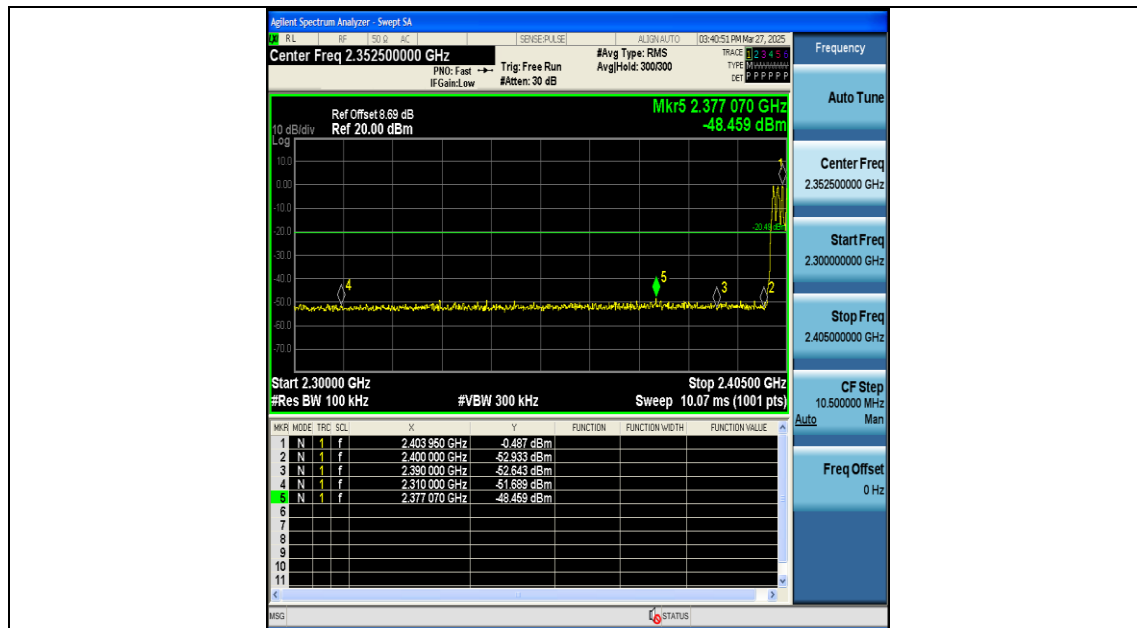
Appendix G: Band edge measurements

Test Result

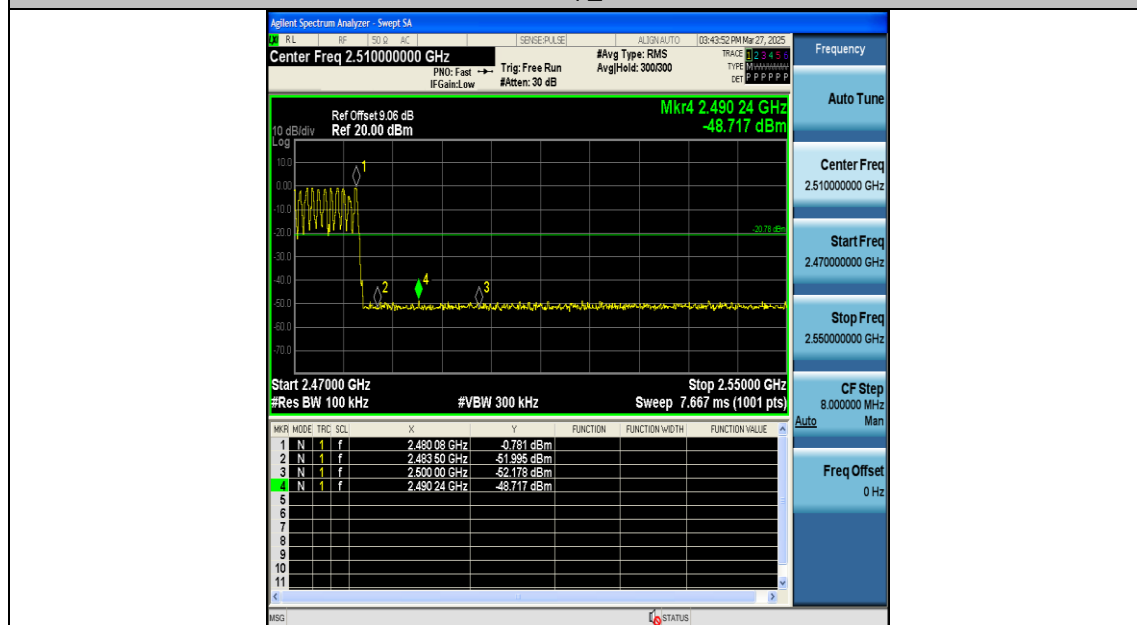
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	0.49	-48.92	≤-19.52	PASS
DH5	Ant1	High	2480	-0.58	-48.37	≤-20.58	PASS
DH5	Ant1	Low	Hop_2402	-0.49	-48.46	≤-20.49	PASS
DH5	Ant1	High	Hop_2480	-0.78	-48.72	≤-20.78	PASS
2DH5	Ant1	Low	2402	0.19	-49.05	≤-19.81	PASS
2DH5	Ant1	High	2480	-0.37	-48.96	≤-20.37	PASS
2DH5	Ant1	Low	Hop_2402	-4.32	-47.96	≤-24.32	PASS
2DH5	Ant1	High	Hop_2480	-0.85	-48.77	≤-20.85	PASS

Test Graphs

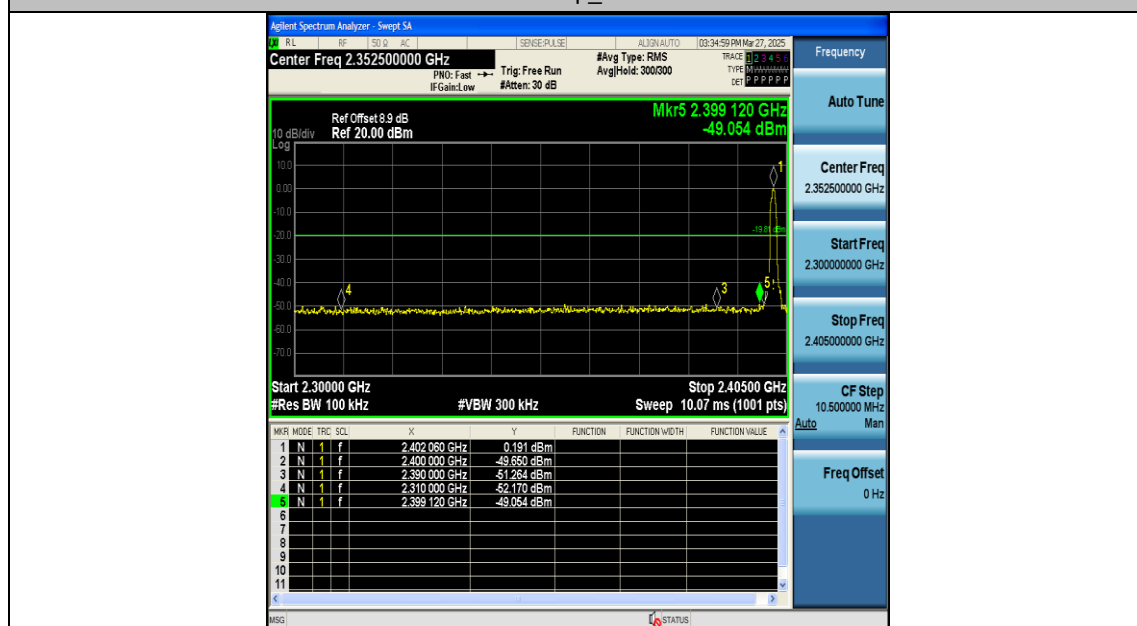




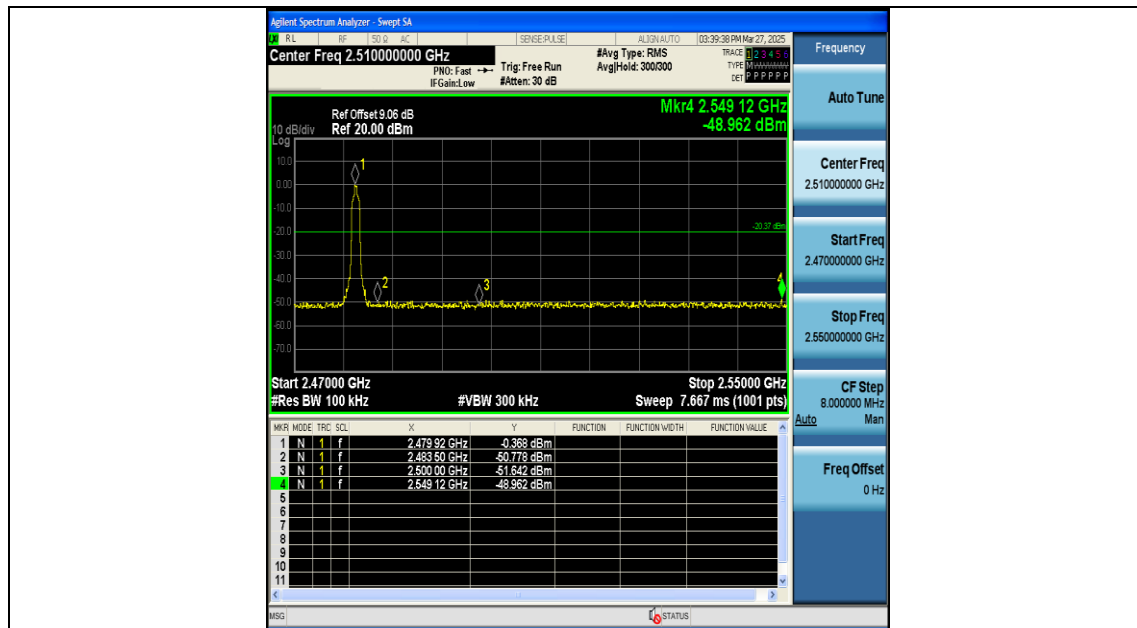
DH5-Ant1-Hop_2402-PASS



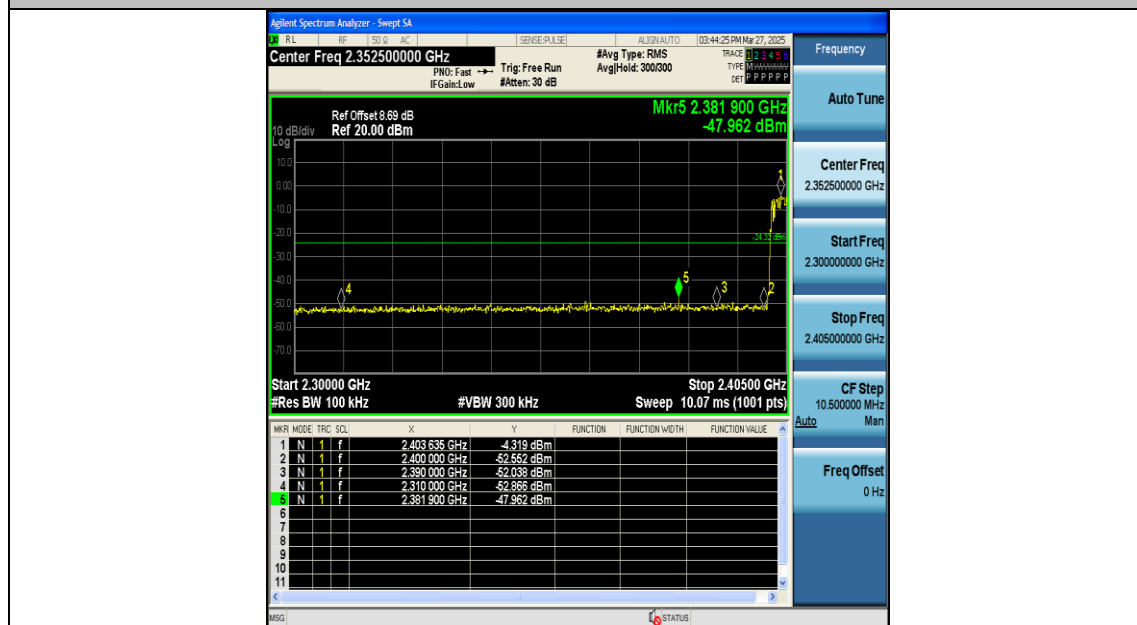
DH5-Ant1-Hop_2480-PASS



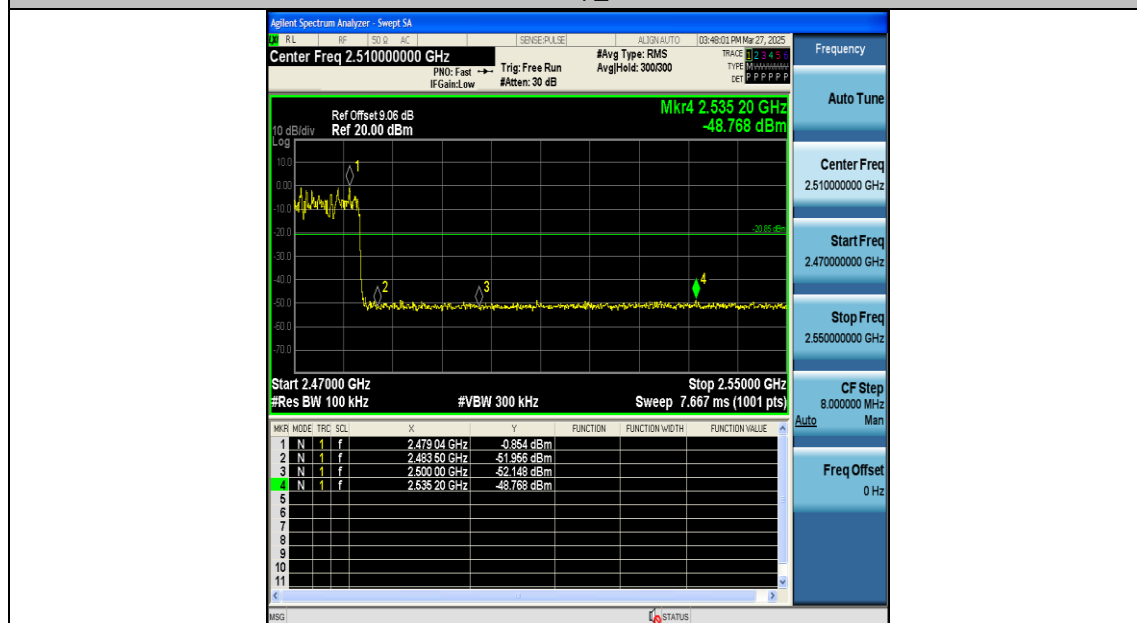
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



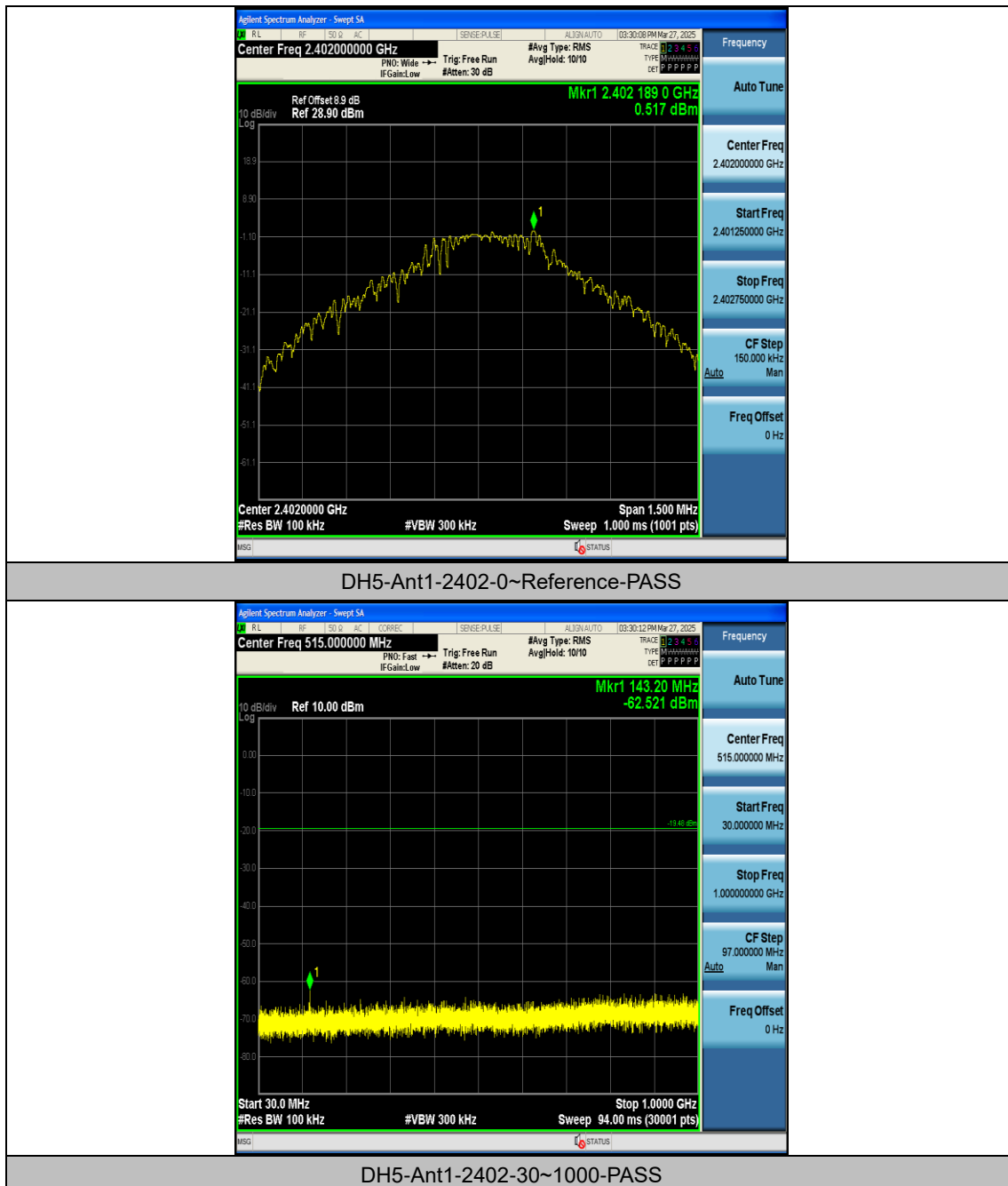
2DH5-Ant1-Hop_2480-PASS

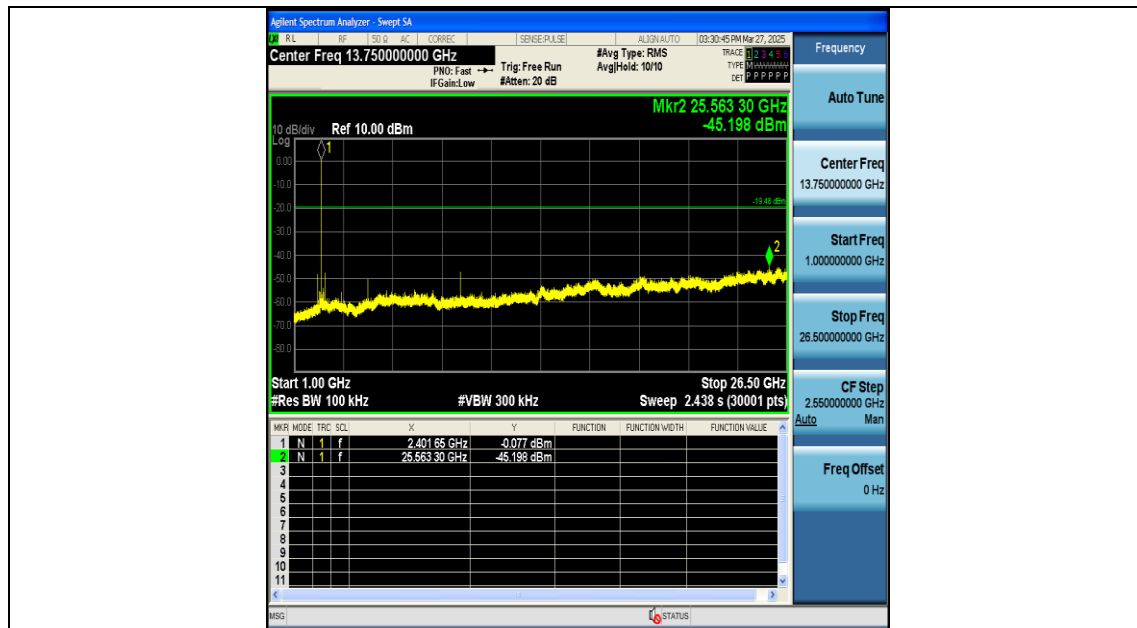
Appendix H: Conducted Spurious Emission

Test Result

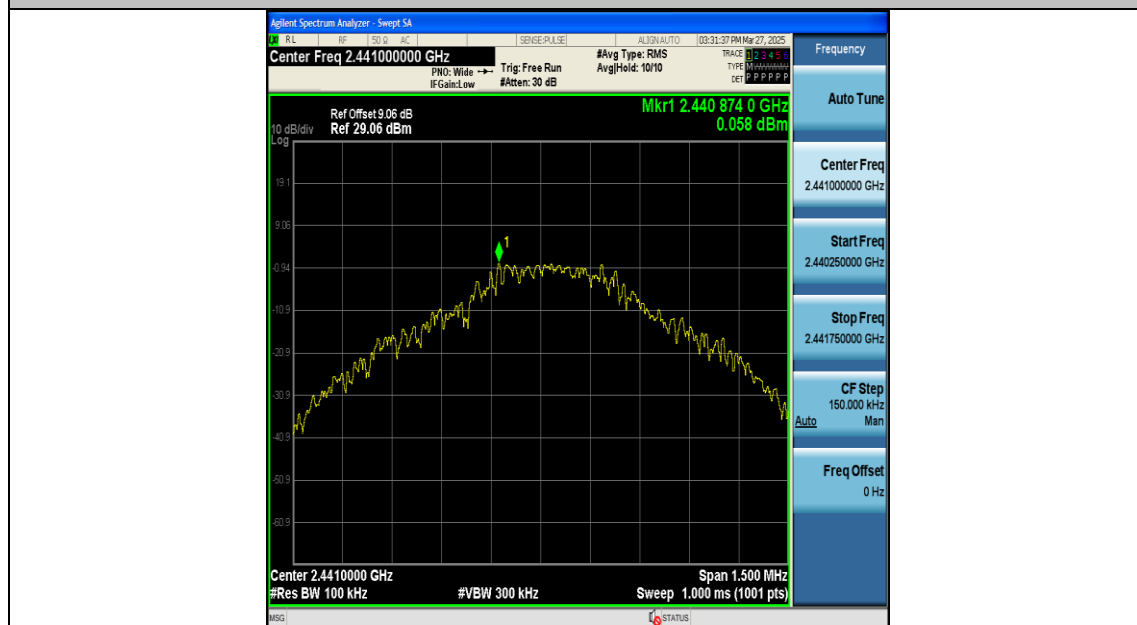
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	0.52	0.52	---	PASS
DH5	Ant1	2402	30~1000	0.52	-62.52	≤-19.48	PASS
DH5	Ant1	2402	1000~26500	0.52	-45.2	≤-19.48	PASS
DH5	Ant1	2441	0~Reference	0.06	0.06	---	PASS
DH5	Ant1	2441	30~1000	0.06	-62.21	≤-19.94	PASS
DH5	Ant1	2441	1000~26500	0.06	-45.39	≤-19.94	PASS
DH5	Ant1	2480	0~Reference	-1.14	-1.14	---	PASS
DH5	Ant1	2480	30~1000	-1.14	-63.32	≤-21.14	PASS
DH5	Ant1	2480	1000~26500	-1.14	-43.89	≤-21.14	PASS
2DH5	Ant1	2402	0~Reference	0.13	0.13	---	PASS
2DH5	Ant1	2402	30~1000	0.13	-61.77	≤-19.87	PASS
2DH5	Ant1	2402	1000~26500	0.13	-45.72	≤-19.87	PASS
2DH5	Ant1	2441	0~Reference	-1.36	-1.36	---	PASS
2DH5	Ant1	2441	30~1000	-1.36	-62.09	≤-21.36	PASS
2DH5	Ant1	2441	1000~26500	-1.36	-45.23	≤-21.36	PASS
2DH5	Ant1	2480	0~Reference	-0.66	-0.66	---	PASS
2DH5	Ant1	2480	30~1000	-0.66	-63.1	≤-20.66	PASS
2DH5	Ant1	2480	1000~26500	-0.66	-43.59	≤-20.66	PASS

Test Graphs

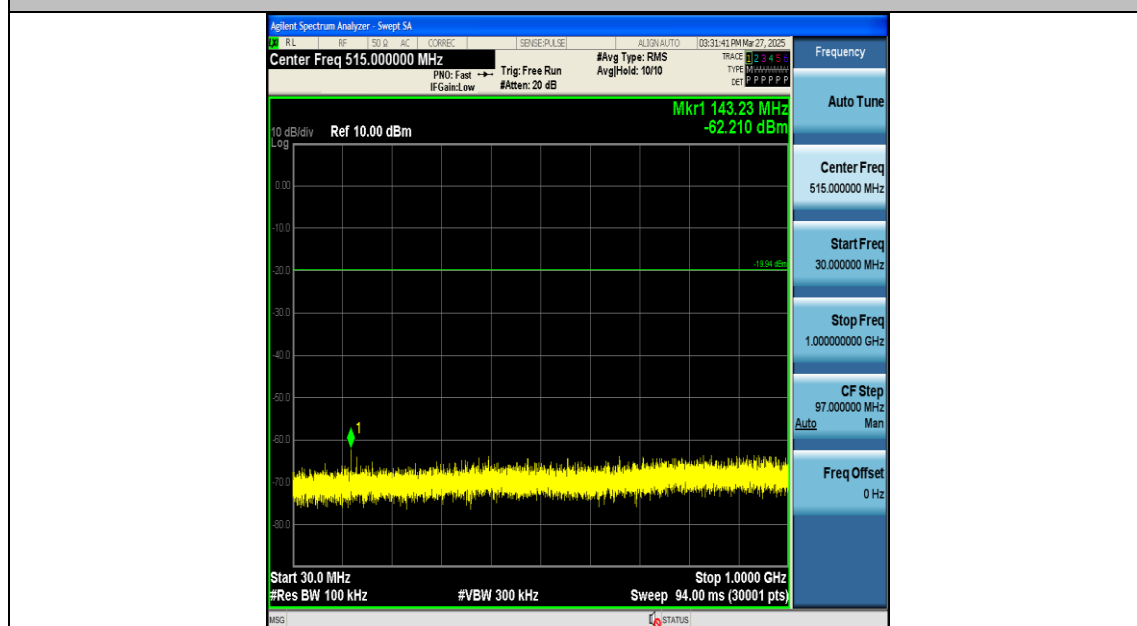




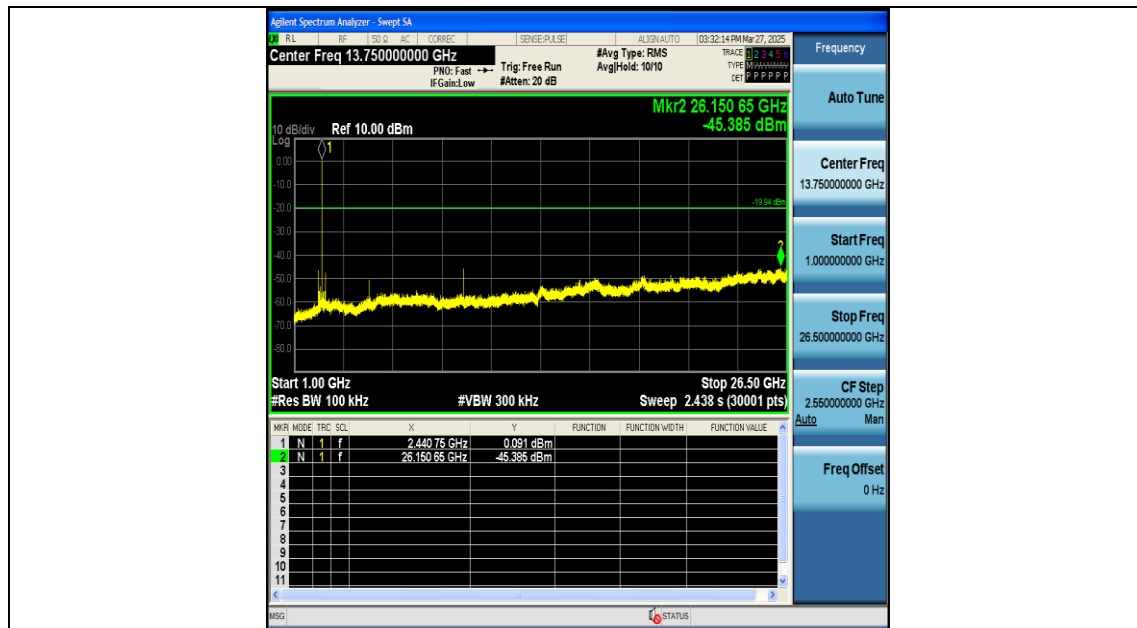
DH5-Ant1-2402-1000~26500-PASS



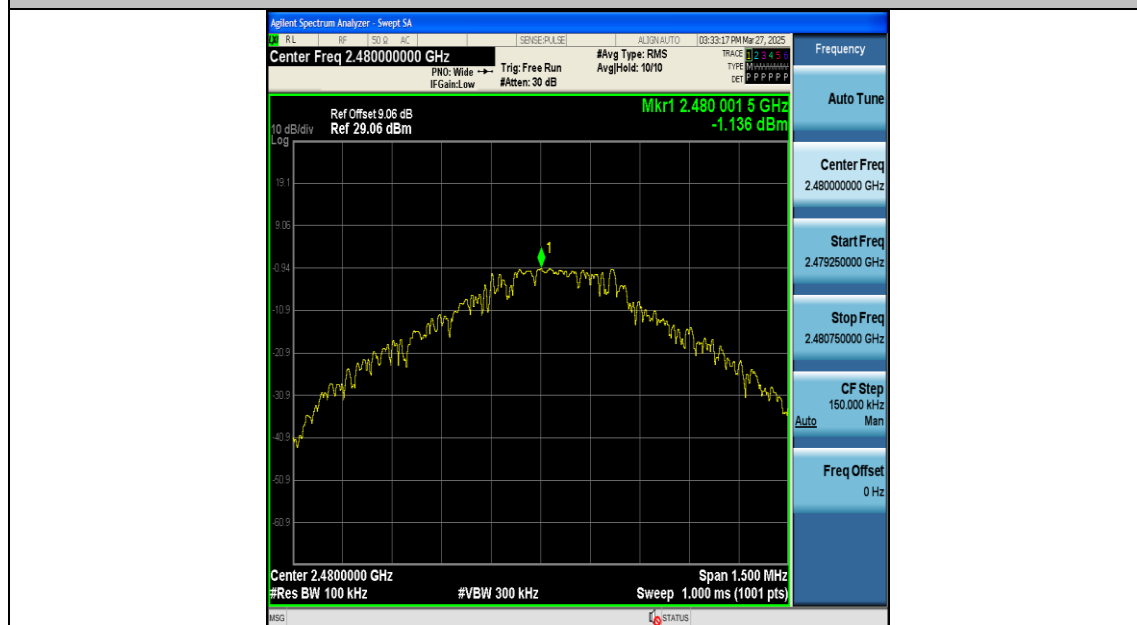
DH5-Ant1-2441-0~Reference-PASS



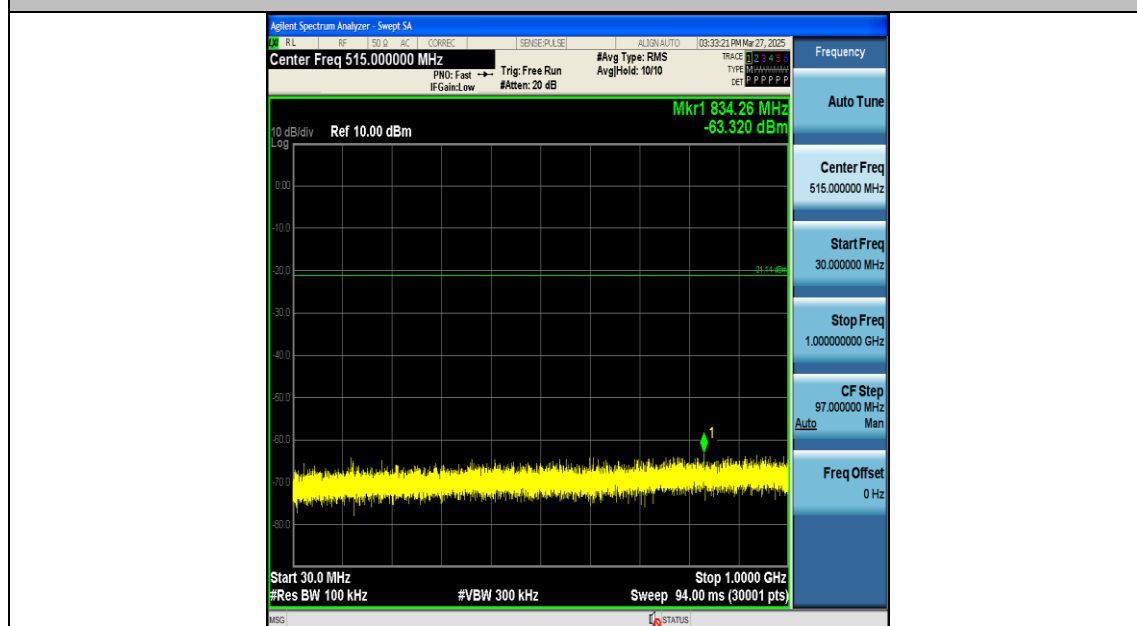
DH5-Ant1-2441-30~1000-PASS



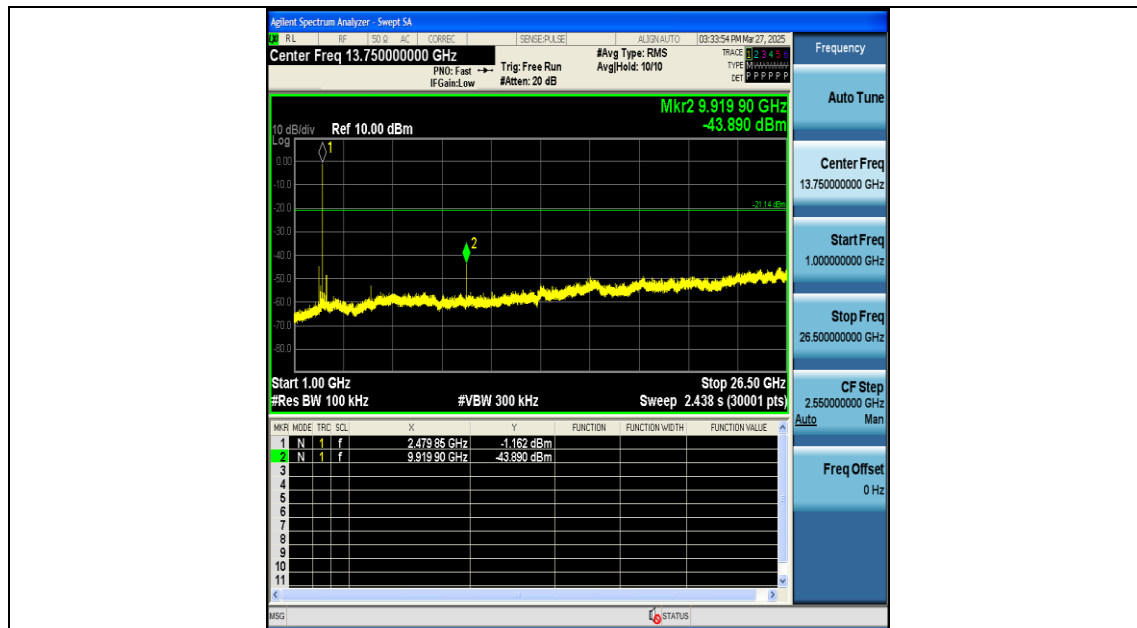
DH5-Ant1-2441-1000~26500-PASS



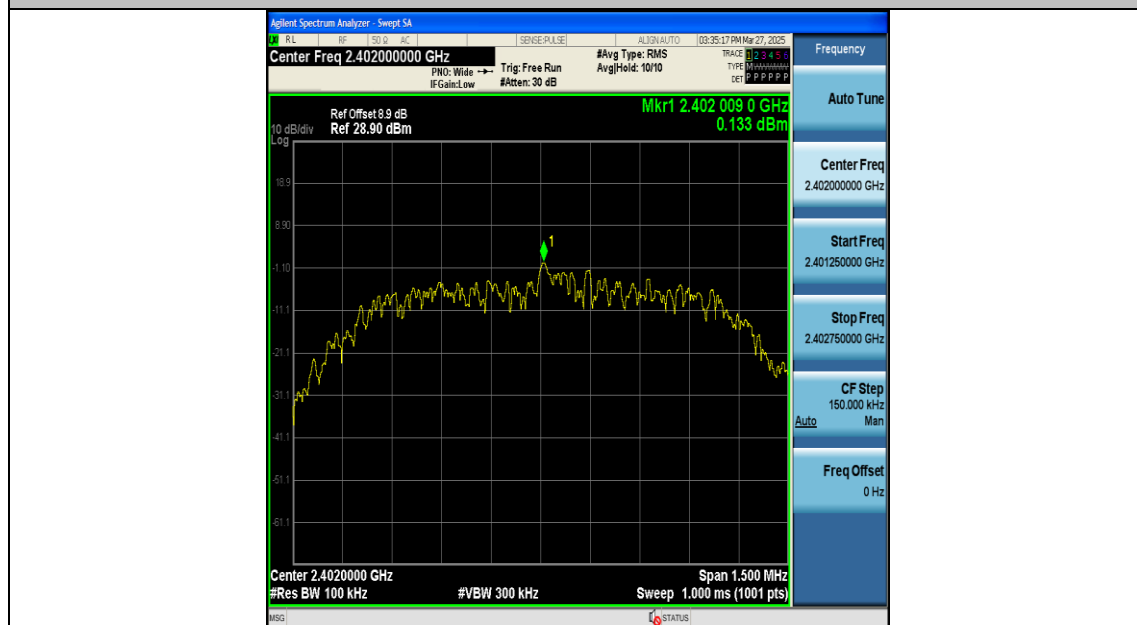
DH5-Ant1-2480-0~Reference-PASS



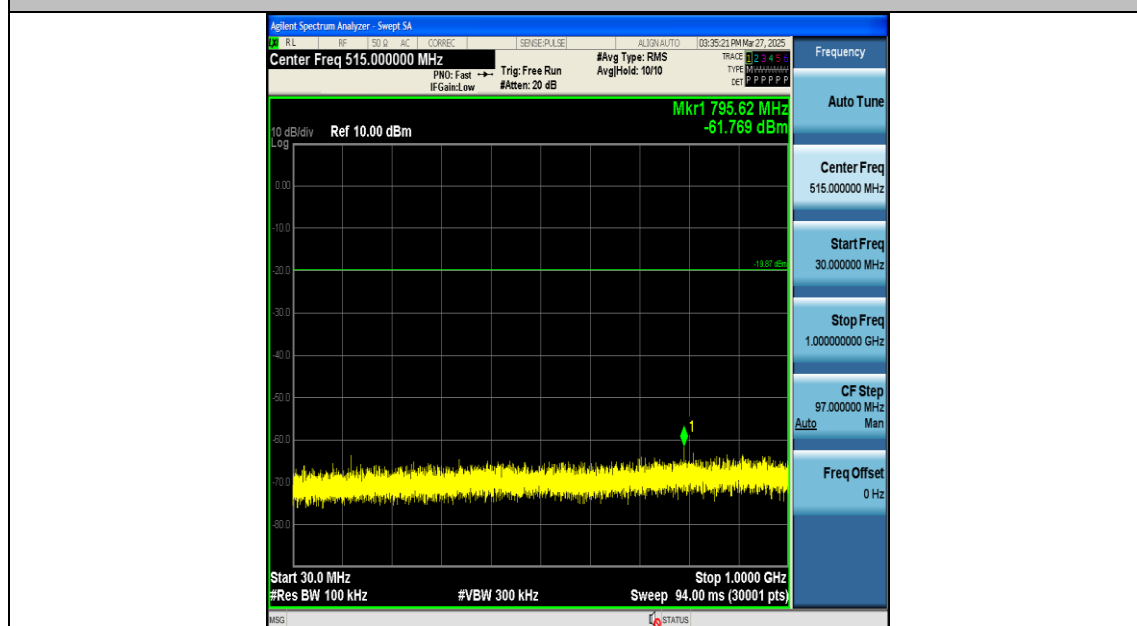
DH5-Ant1-2480-30~1000-PASS



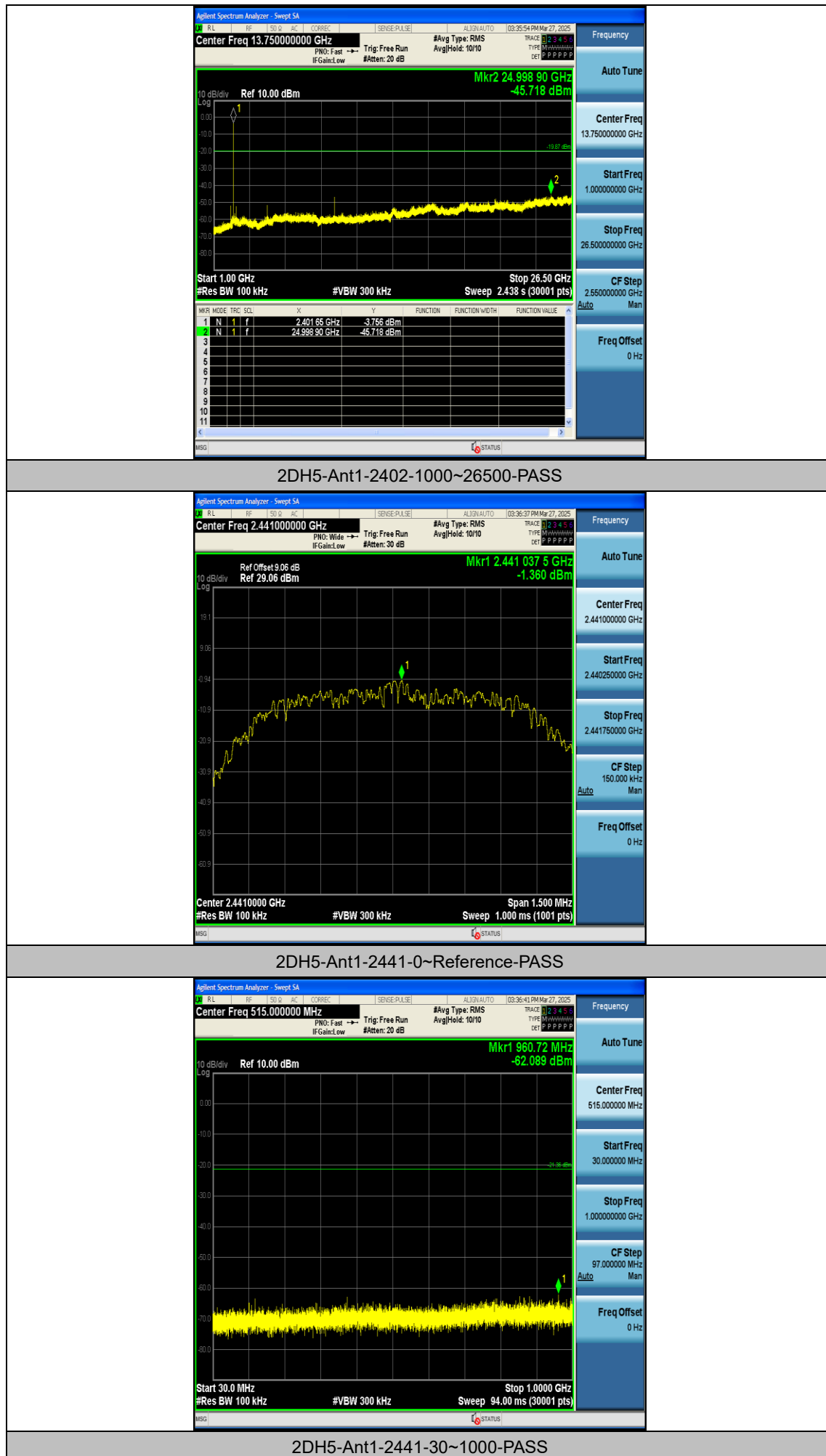
DH5-Ant1-2480-1000~26500-PASS

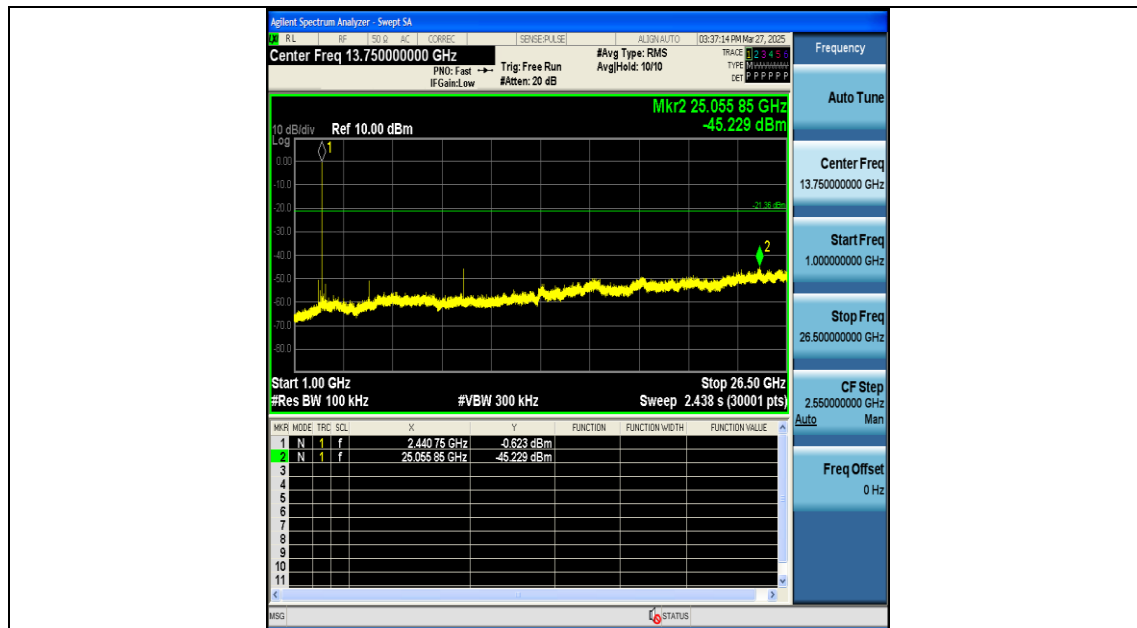


2DH5-Ant1-2402-0~Reference-PASS

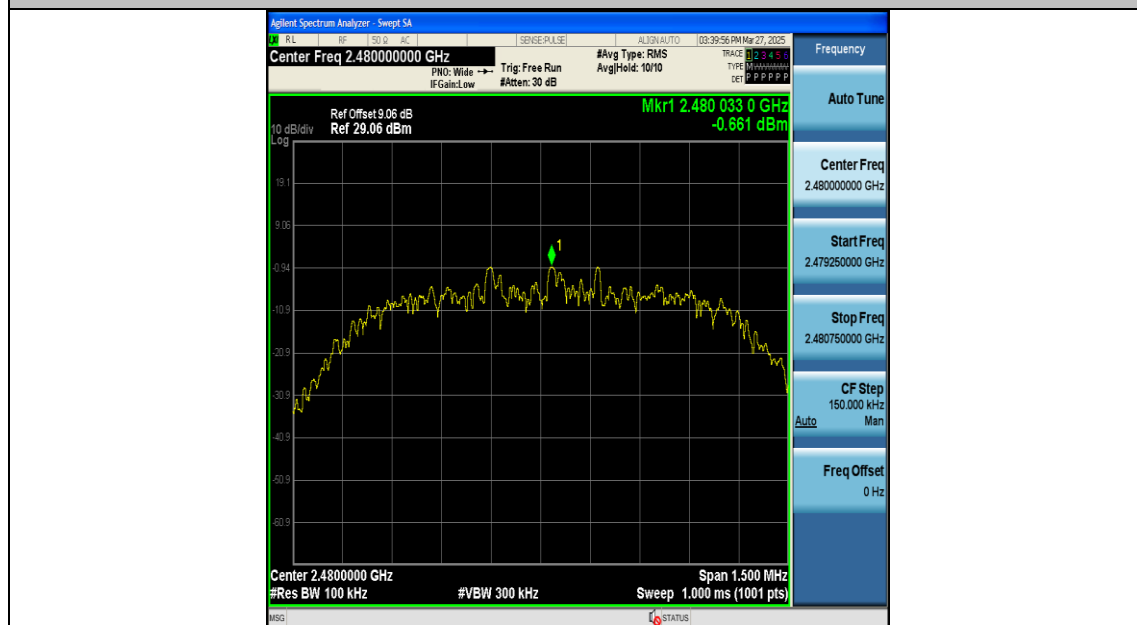


2DH5-Ant1-2402-30~1000-PASS

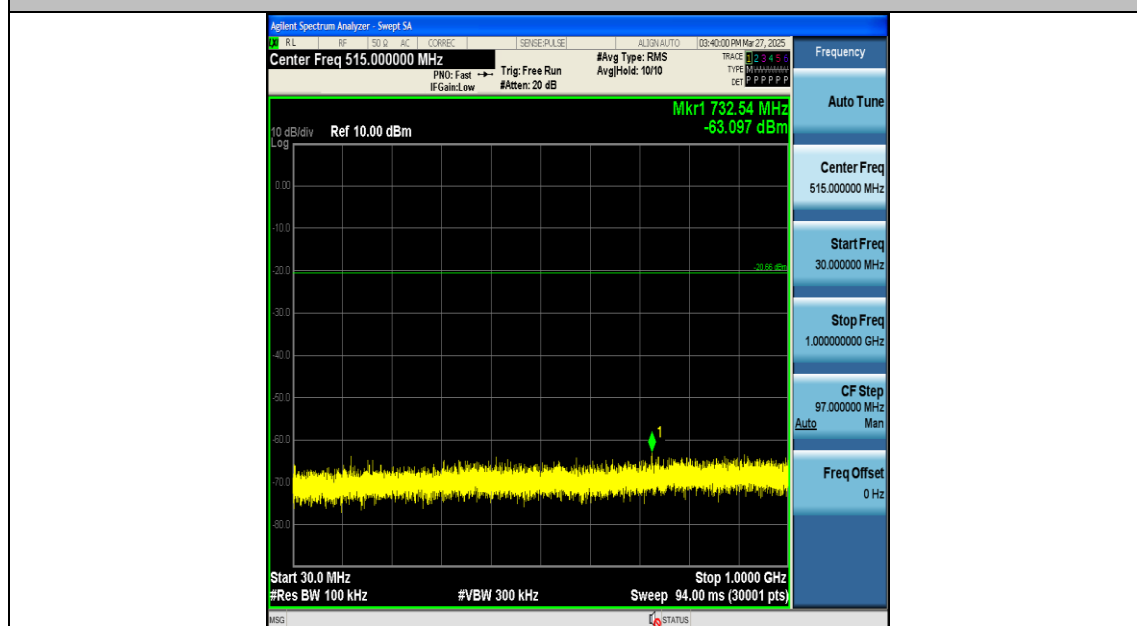




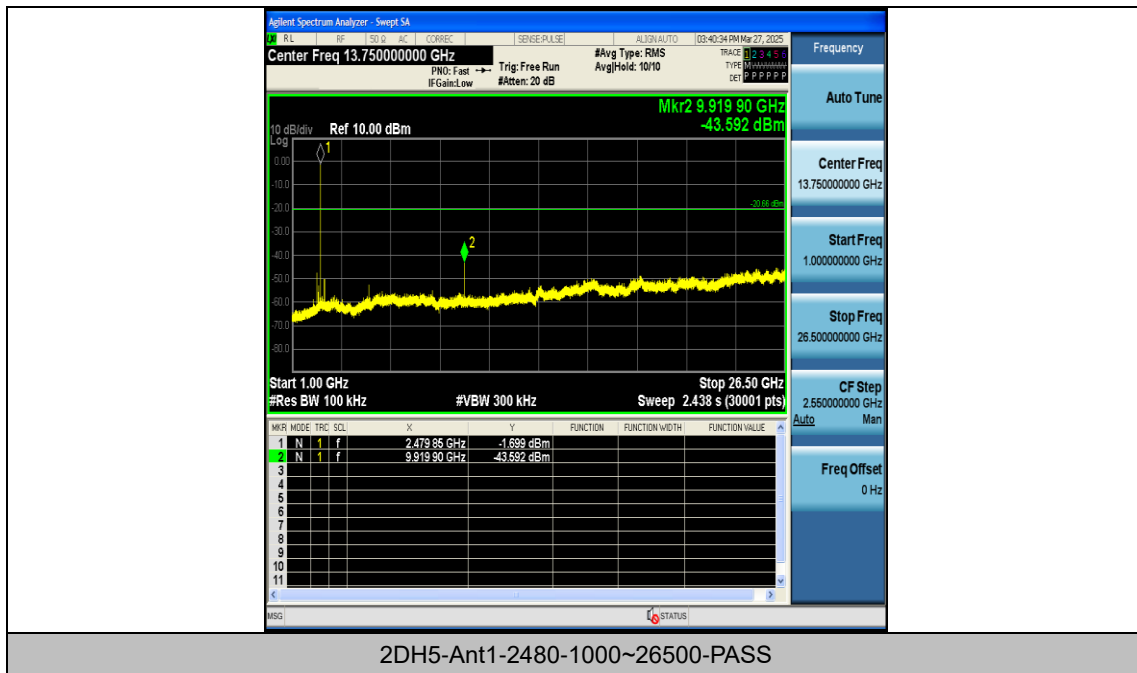
2DH5-Ant1-2441-1000~26500-PASS



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



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

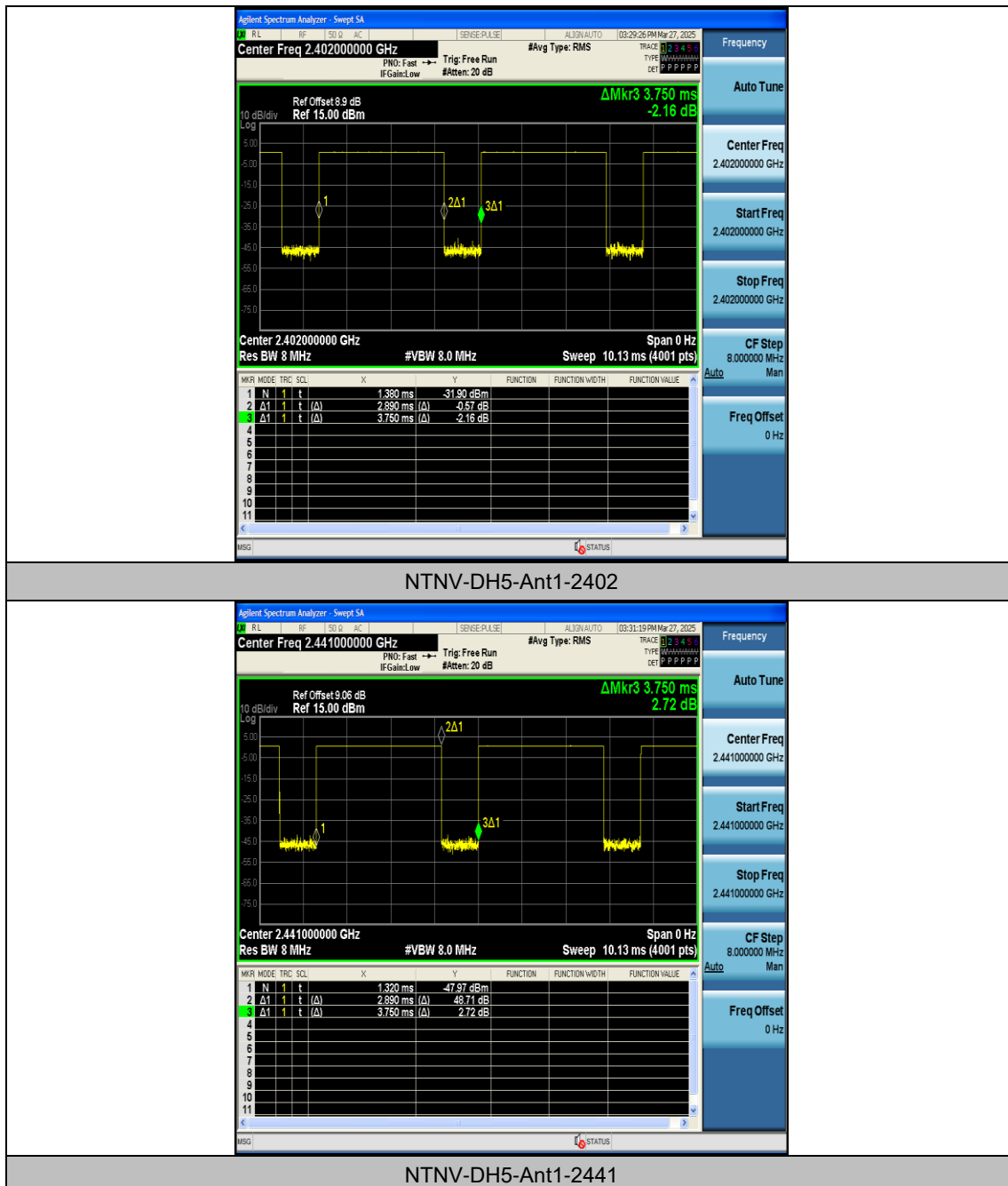


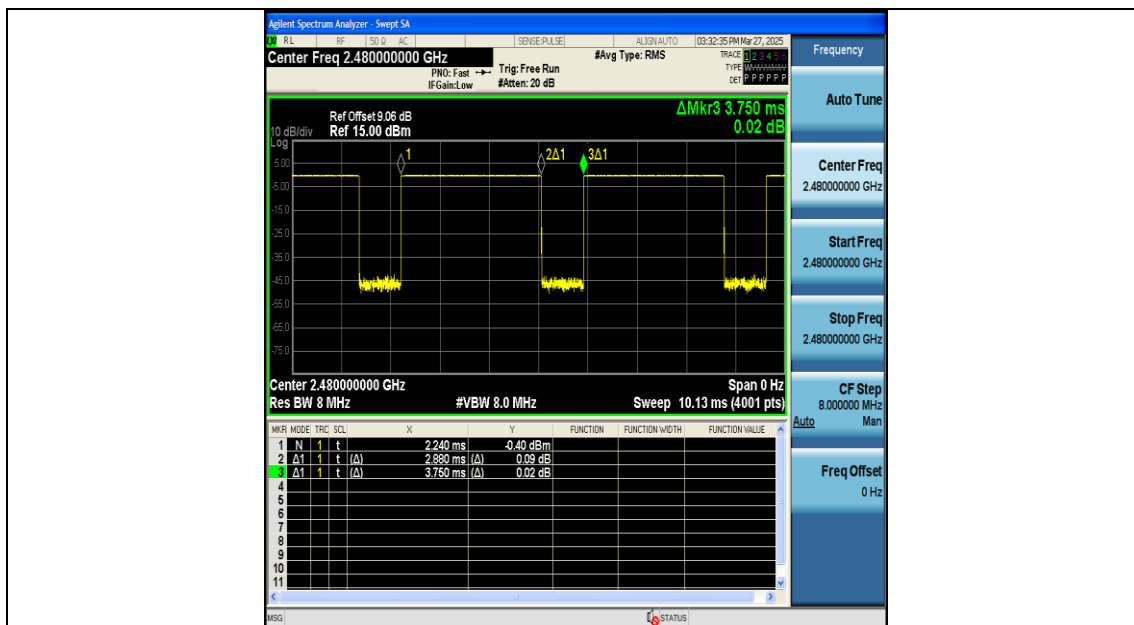
Appendix I: Duty Cycle

Test Result

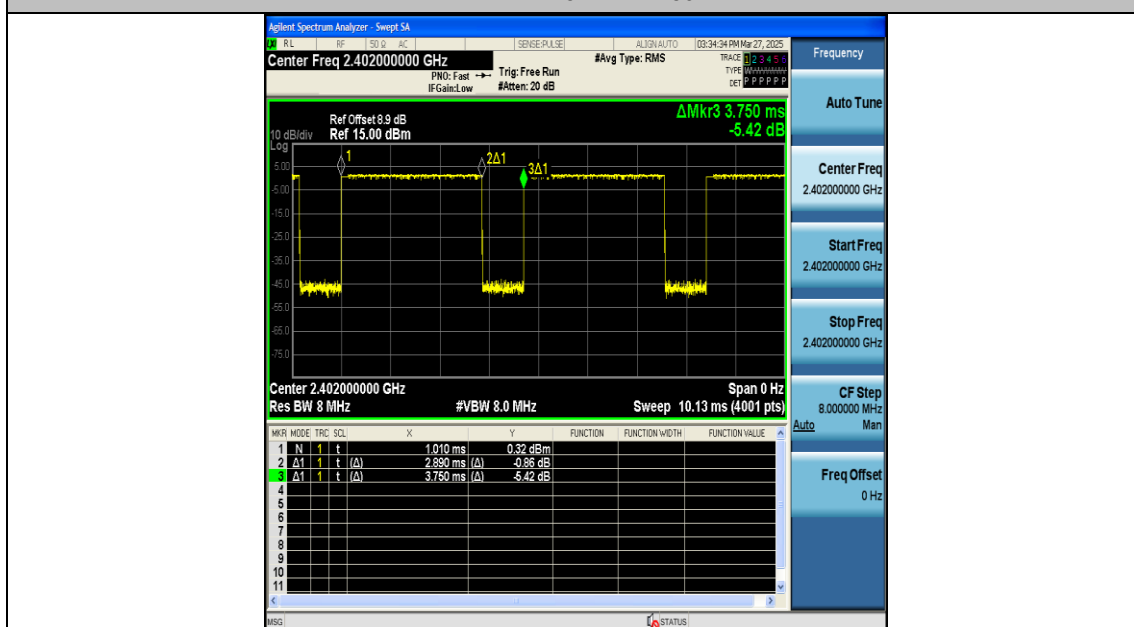
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.89	3.75	77.07	1.13
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.89	3.75	77.07	1.13
2DH5	Ant1	2441	2.89	3.75	77.07	1.13
2DH5	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs

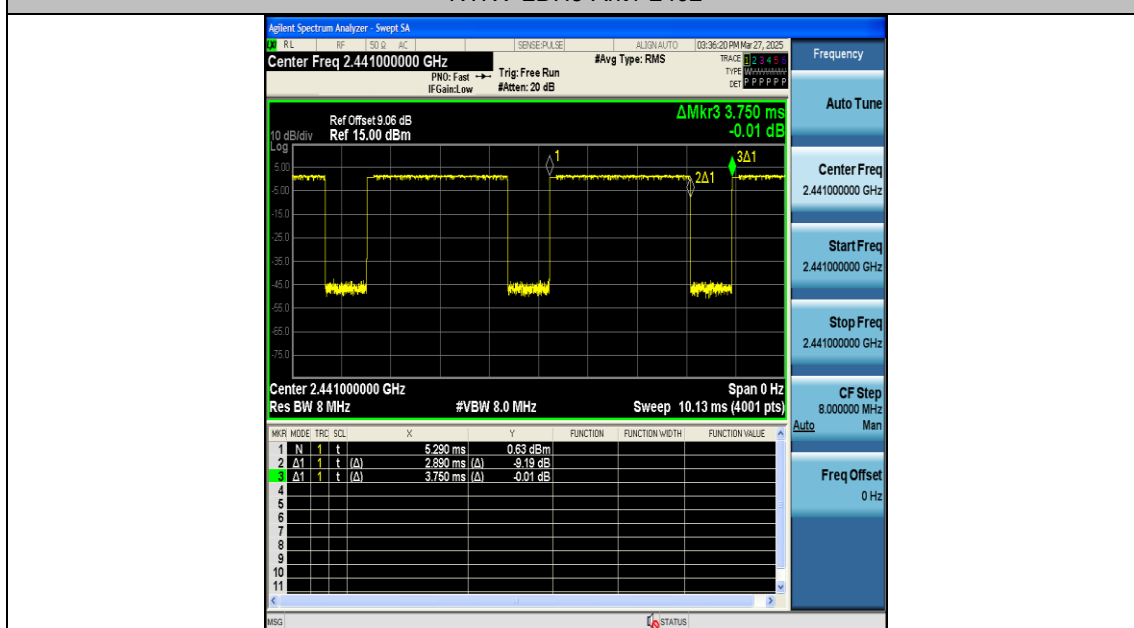




NTNV-DH5-Ant1-2480



NTNV-2DH5-Ant1-2402



NTNV-2DH5-Ant1-2441

