

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

Product Name: Wanbo Projector

Trade Mark: Wanbo

Test Model: WPC24

FCC ID: 2A7PIWPC24

Environmental Conditions

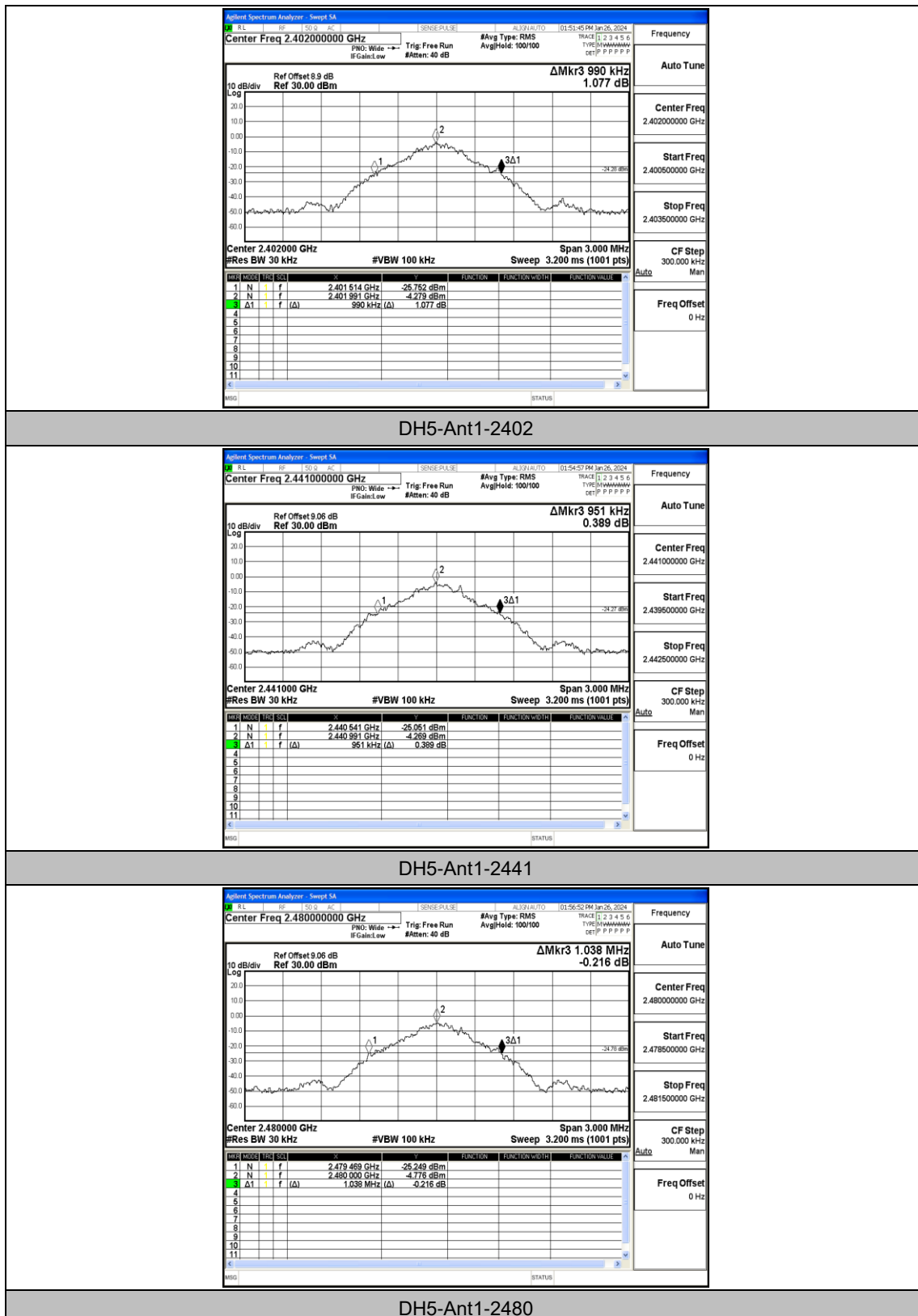
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Anna Hu
Supervised by:	Hugo Chen
NOTE	N/A

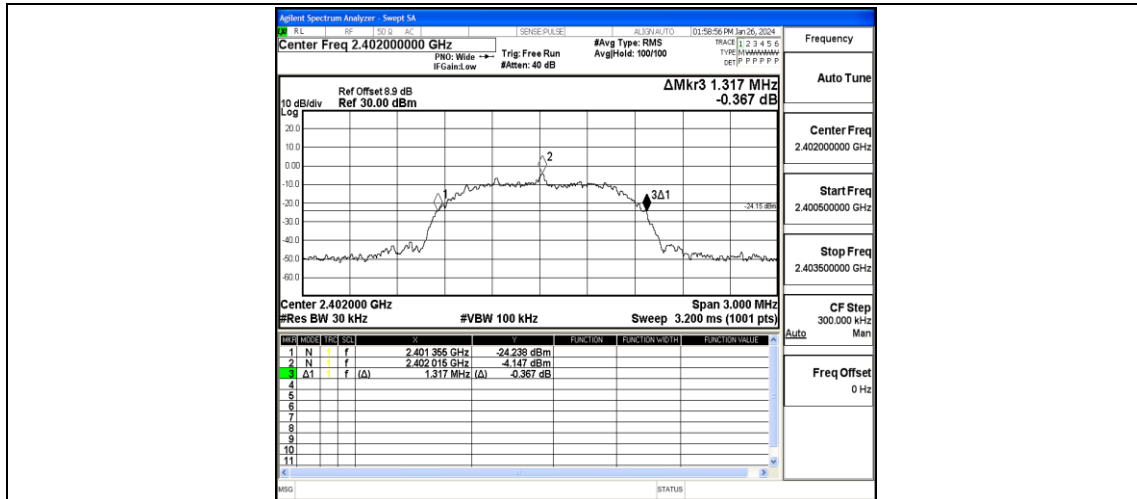
Appendix A: 20dB Emission Bandwidth

Test Result

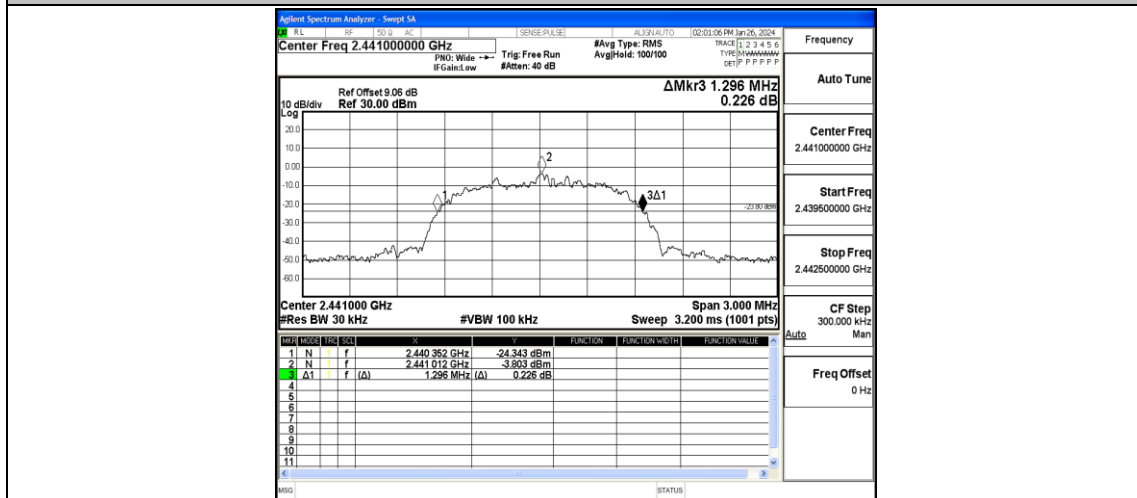
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.990	2401.514	2402.504	---	---
DH5	Ant1	2441	0.951	2440.541	2441.492	---	---
DH5	Ant1	2480	1.038	2479.469	2480.507	---	---
2DH5	Ant1	2402	1.317	2401.355	2402.672	---	---
2DH5	Ant1	2441	1.296	2440.352	2441.648	---	---
2DH5	Ant1	2480	1.296	2479.355	2480.651	---	---
3DH5	Ant1	2402	1.293	2401.355	2402.648	---	---
3DH5	Ant1	2441	1.299	2440.355	2441.654	---	---
3DH5	Ant1	2480	1.278	2479.370	2480.648	---	---

Test Graphs

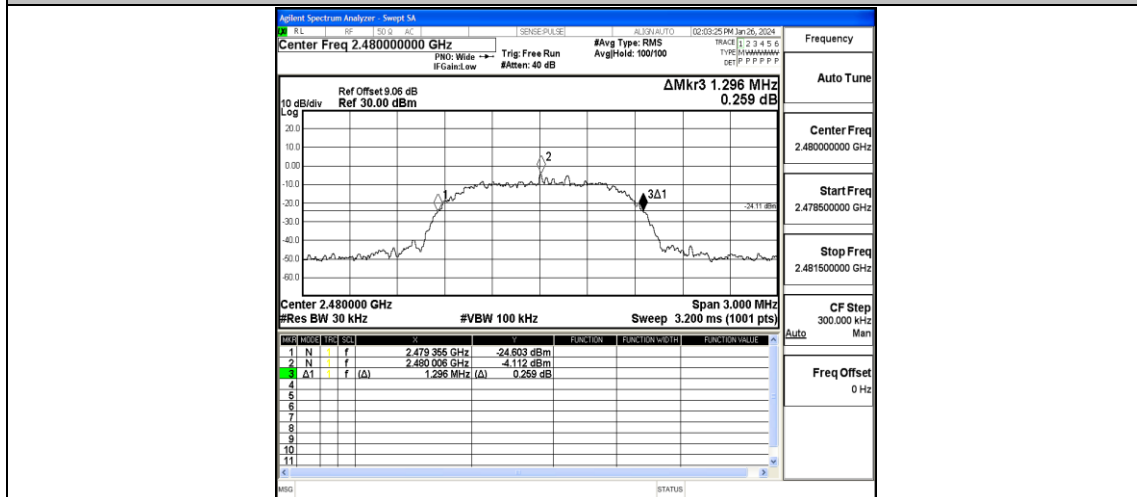




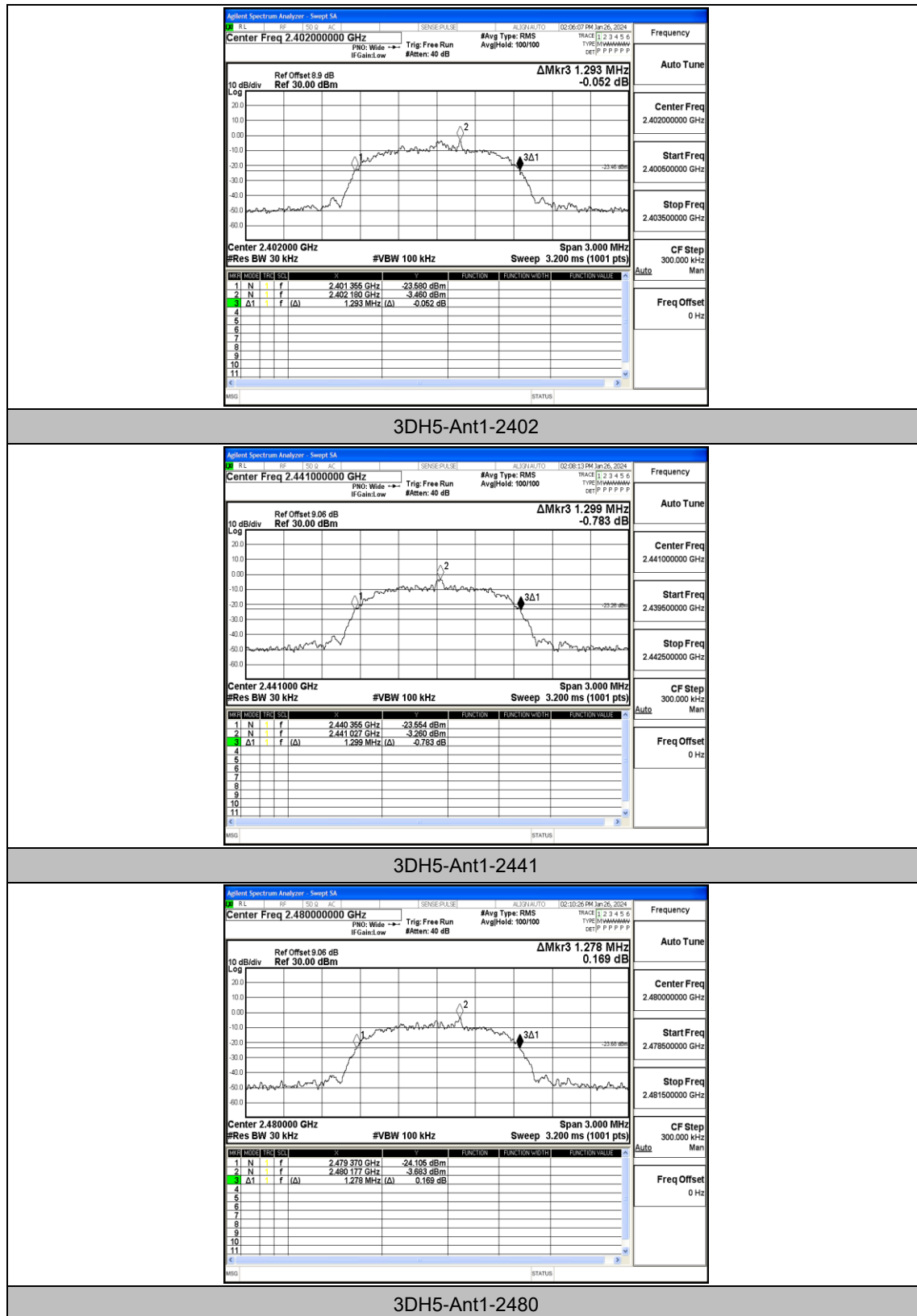
2DH5-Ant1-2402



2DH5-Ant1-2441



2DH5-Ant1-2480

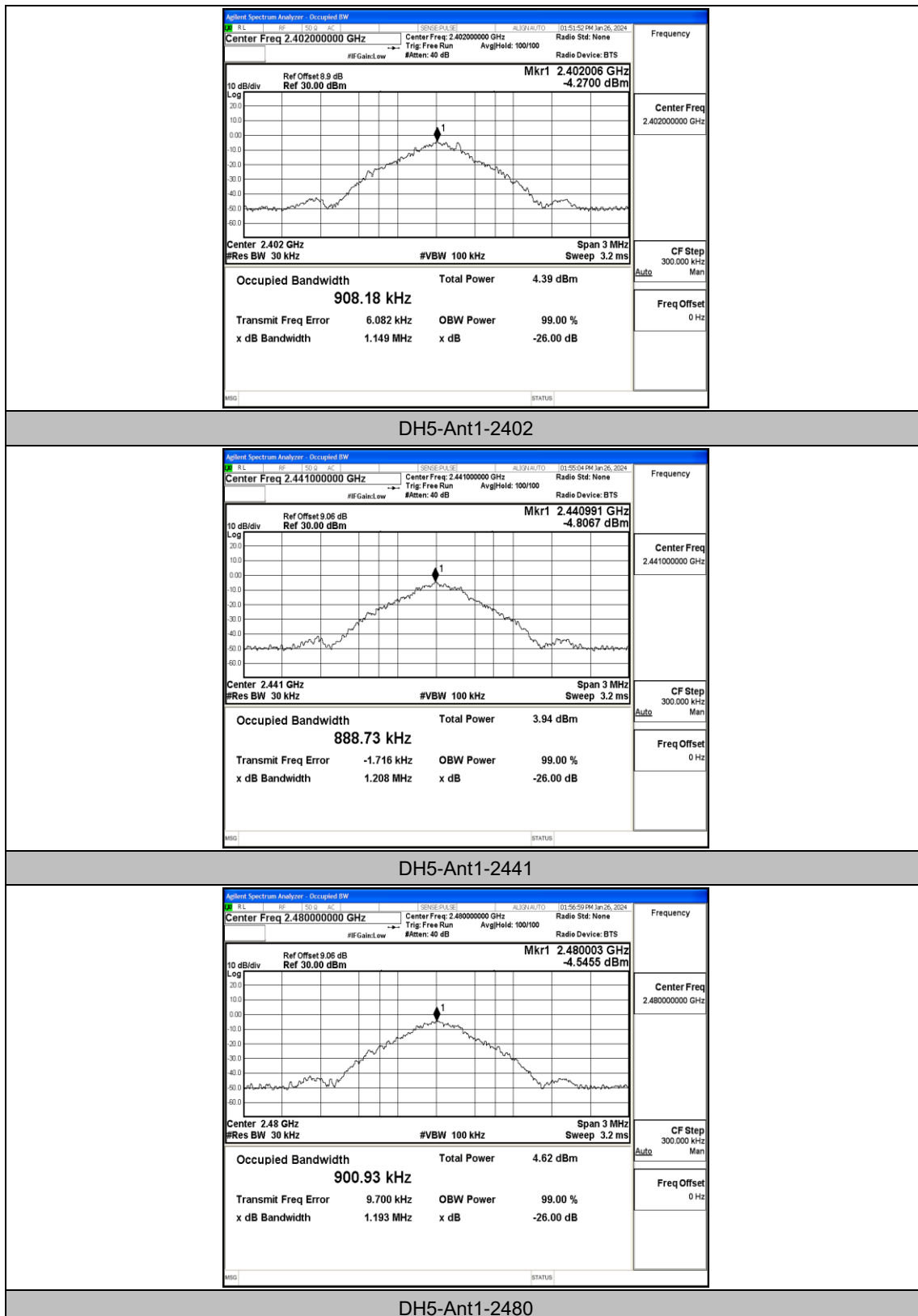


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.90818	2401.5520	2402.4602	---	---
DH5	Ant1	2441	0.88873	2440.5539	2441.4426	---	---
DH5	Ant1	2480	0.90093	2479.5592	2480.4602	---	---
2DH5	Ant1	2402	1.1878	2401.4110	2402.5988	---	---
2DH5	Ant1	2441	1.1734	2440.4182	2441.5916	---	---
2DH5	Ant1	2480	1.1854	2479.4166	2480.6020	---	---
3DH5	Ant1	2402	1.1719	2401.4215	2402.5934	---	---
3DH5	Ant1	2441	1.1677	2440.4234	2441.5911	---	---
3DH5	Ant1	2480	1.1701	2479.4192	2480.5893	---	---

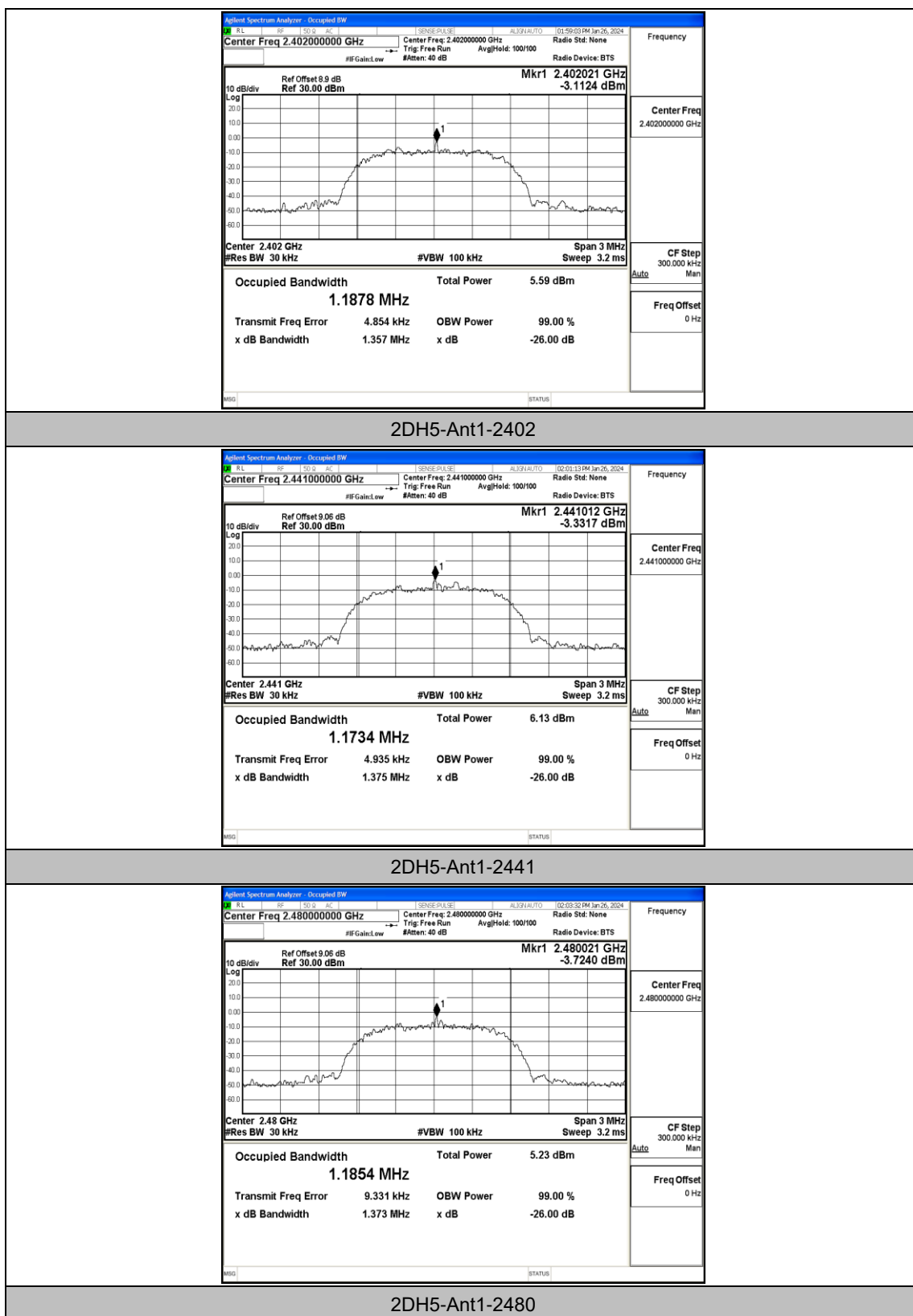
Test Graphs

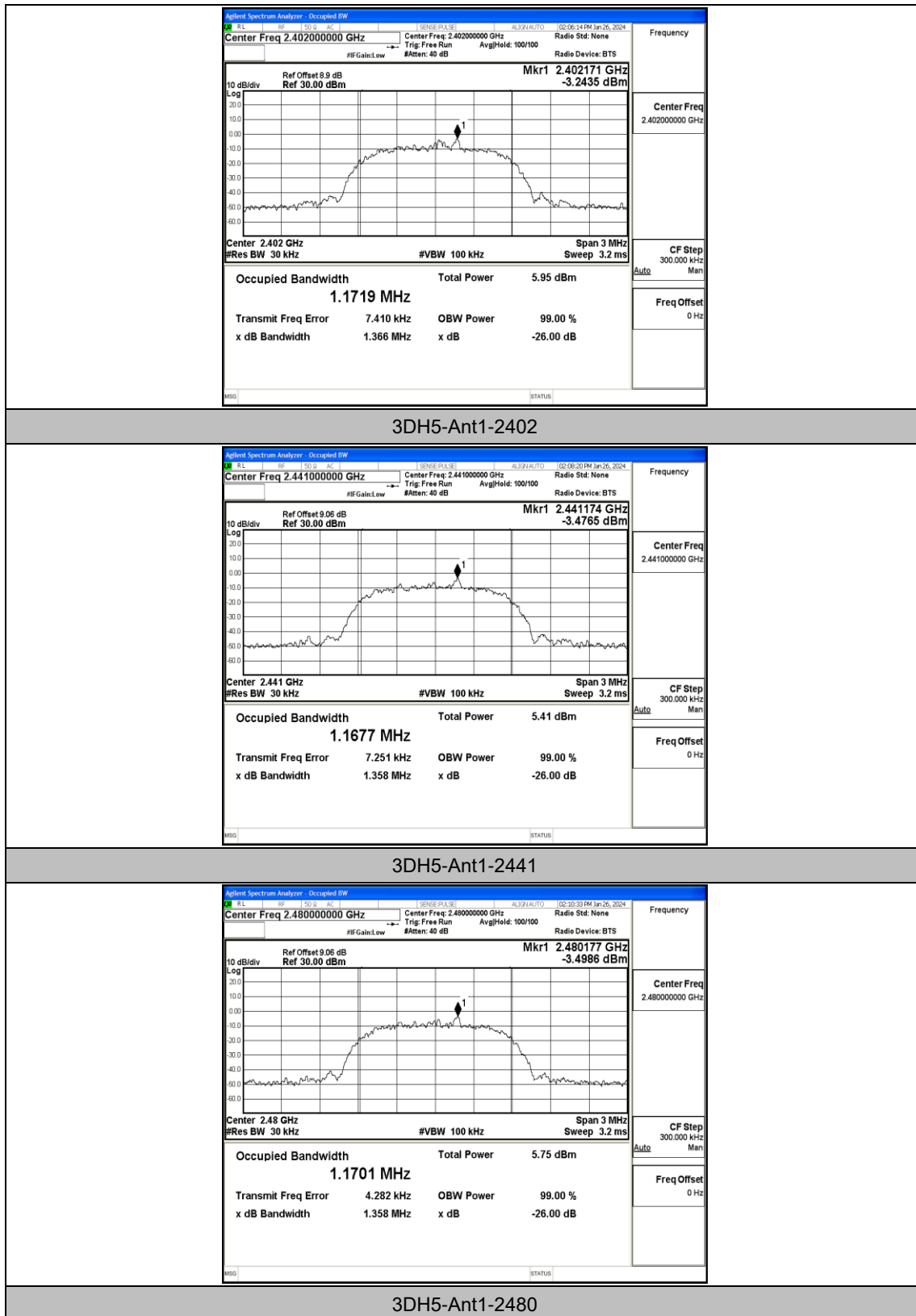


DH5-Ant1-2402

DH5-Ant1-2441

DH5-Ant1-2480



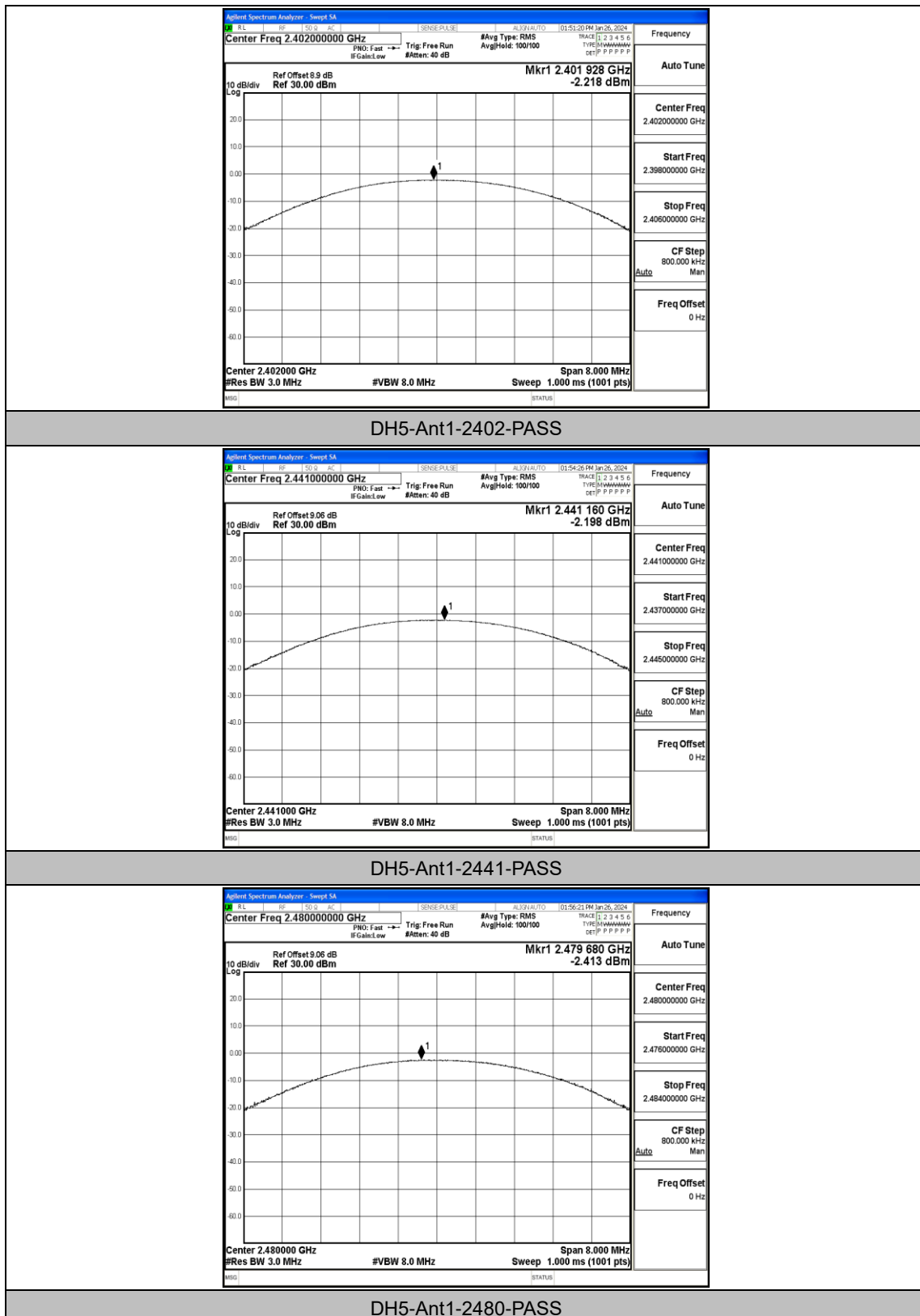


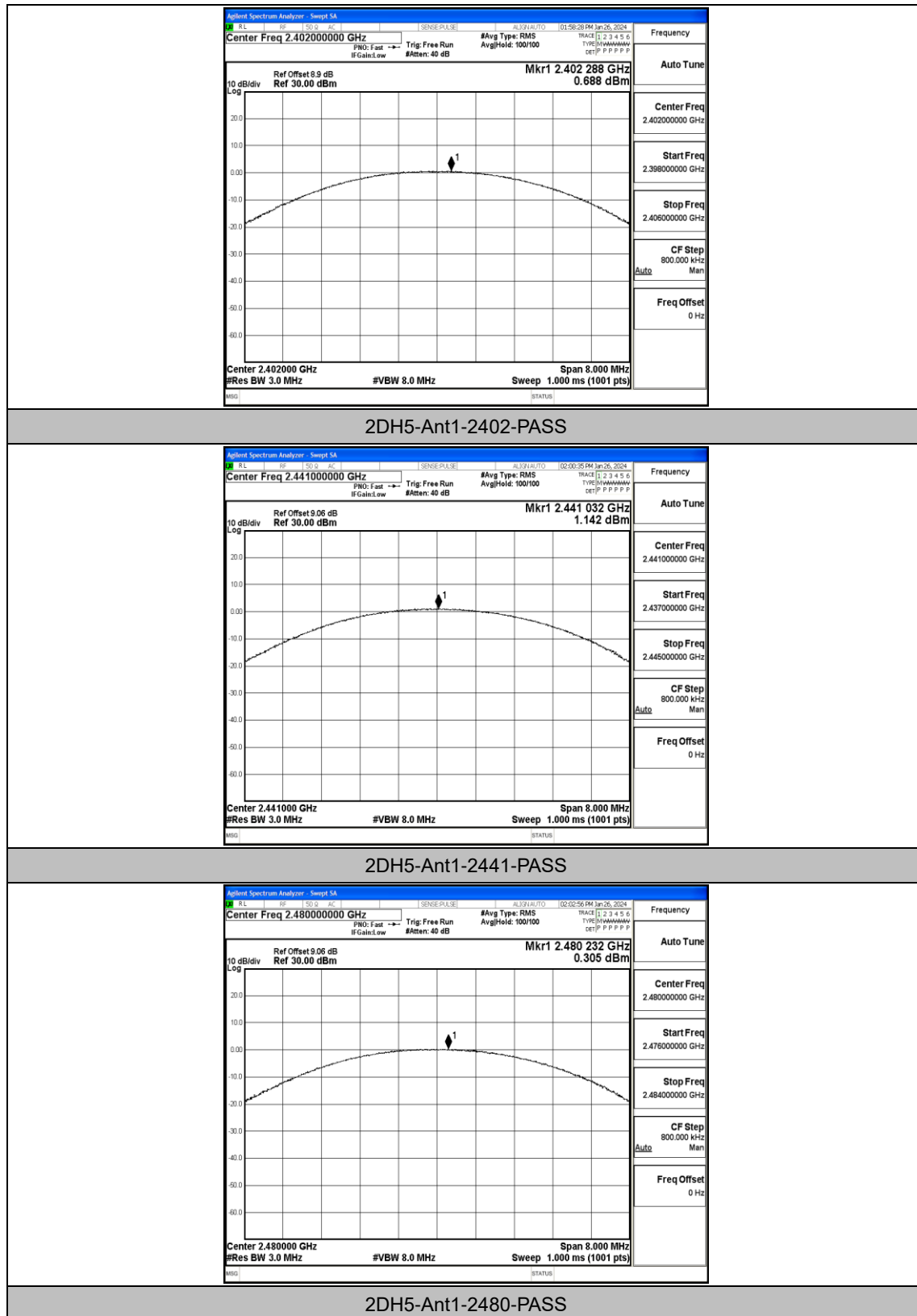
Appendix C: Maximum peak conducted output power

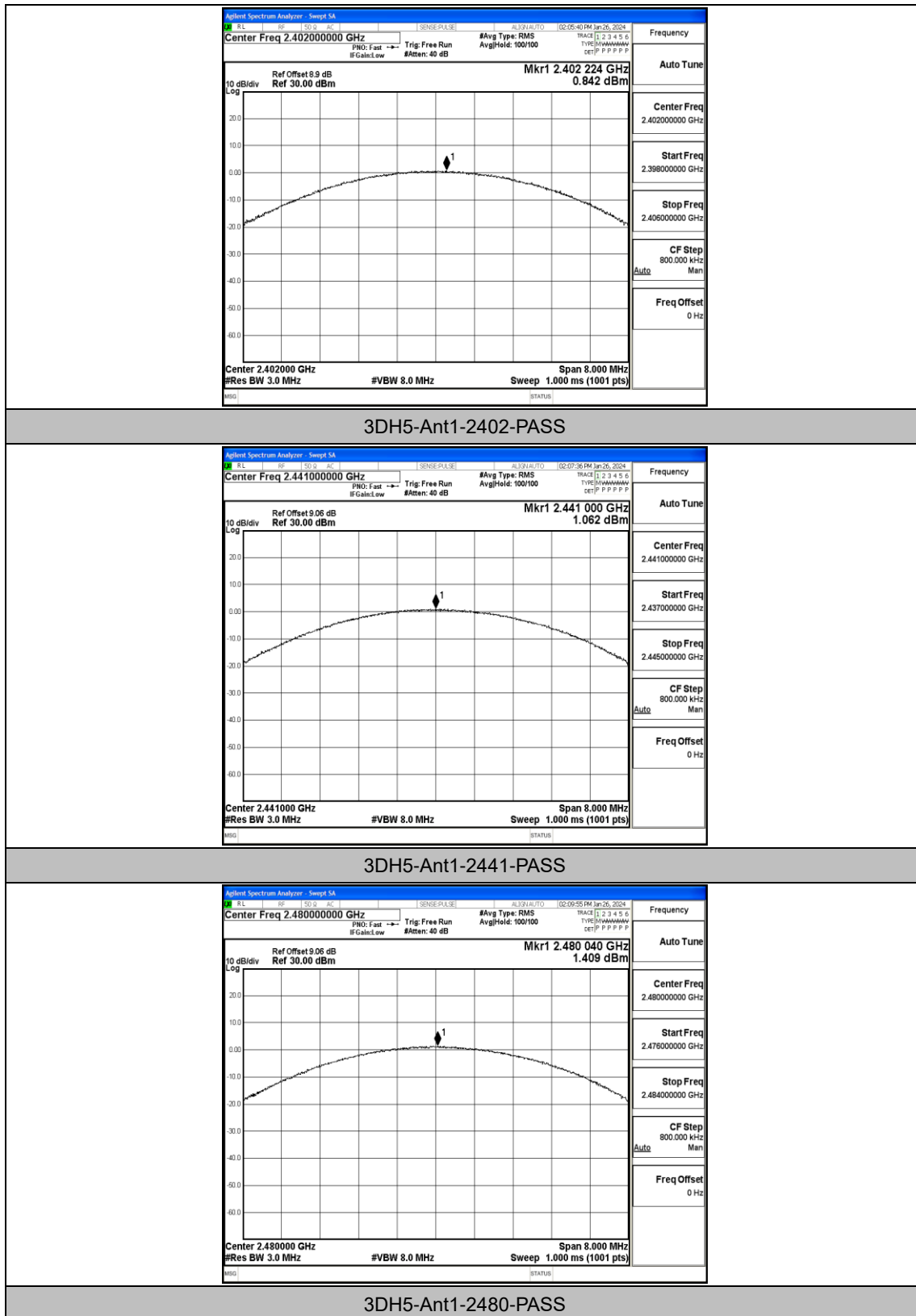
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-2.22	≤20.97	PASS
DH5	Ant1	2441	-2.20	≤20.97	PASS
DH5	Ant1	2480	-2.41	≤20.97	PASS
2DH5	Ant1	2402	0.69	≤20.97	PASS
2DH5	Ant1	2441	1.14	≤20.97	PASS
2DH5	Ant1	2480	0.31	≤20.97	PASS
3DH5	Ant1	2402	0.84	≤20.97	PASS
3DH5	Ant1	2441	1.06	≤20.97	PASS
3DH5	Ant1	2480	1.41	≤20.97	PASS

Test Graphs





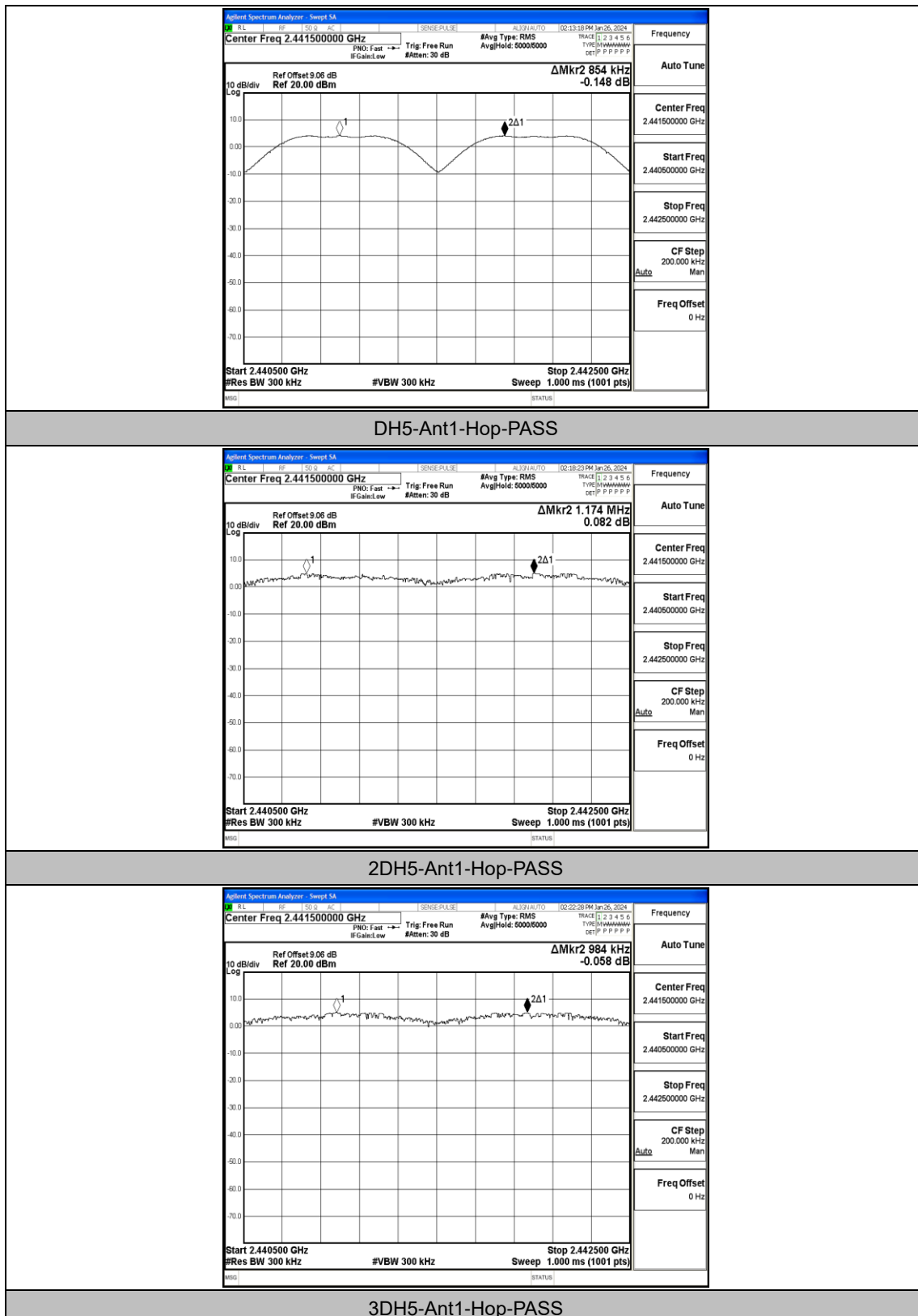


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.854	≥ 0.692	PASS
2DH5	Ant1	Hop	1.174	≥ 0.878	PASS
3DH5	Ant1	Hop	0.984	≥ 0.866	PASS

Test Graphs

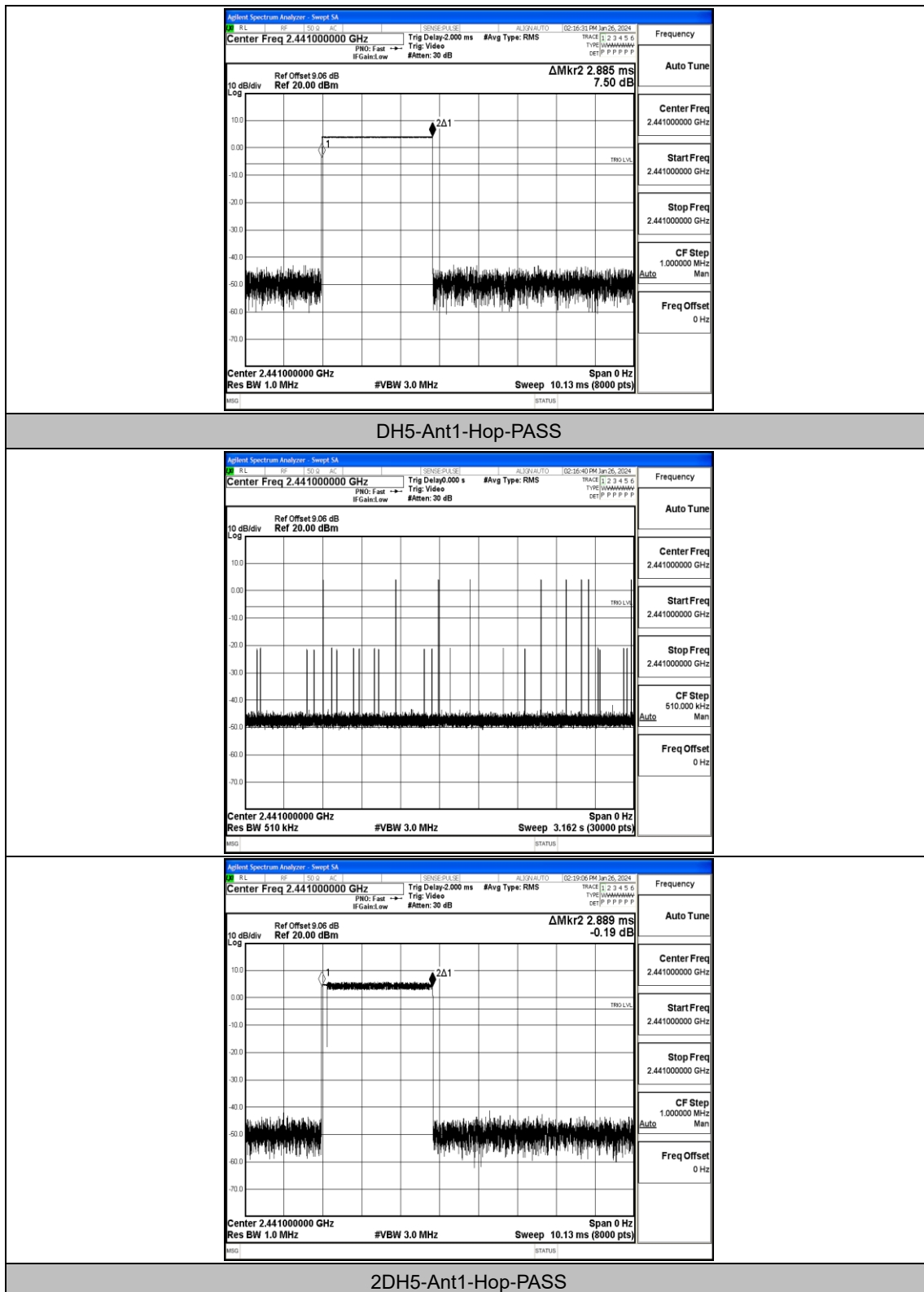


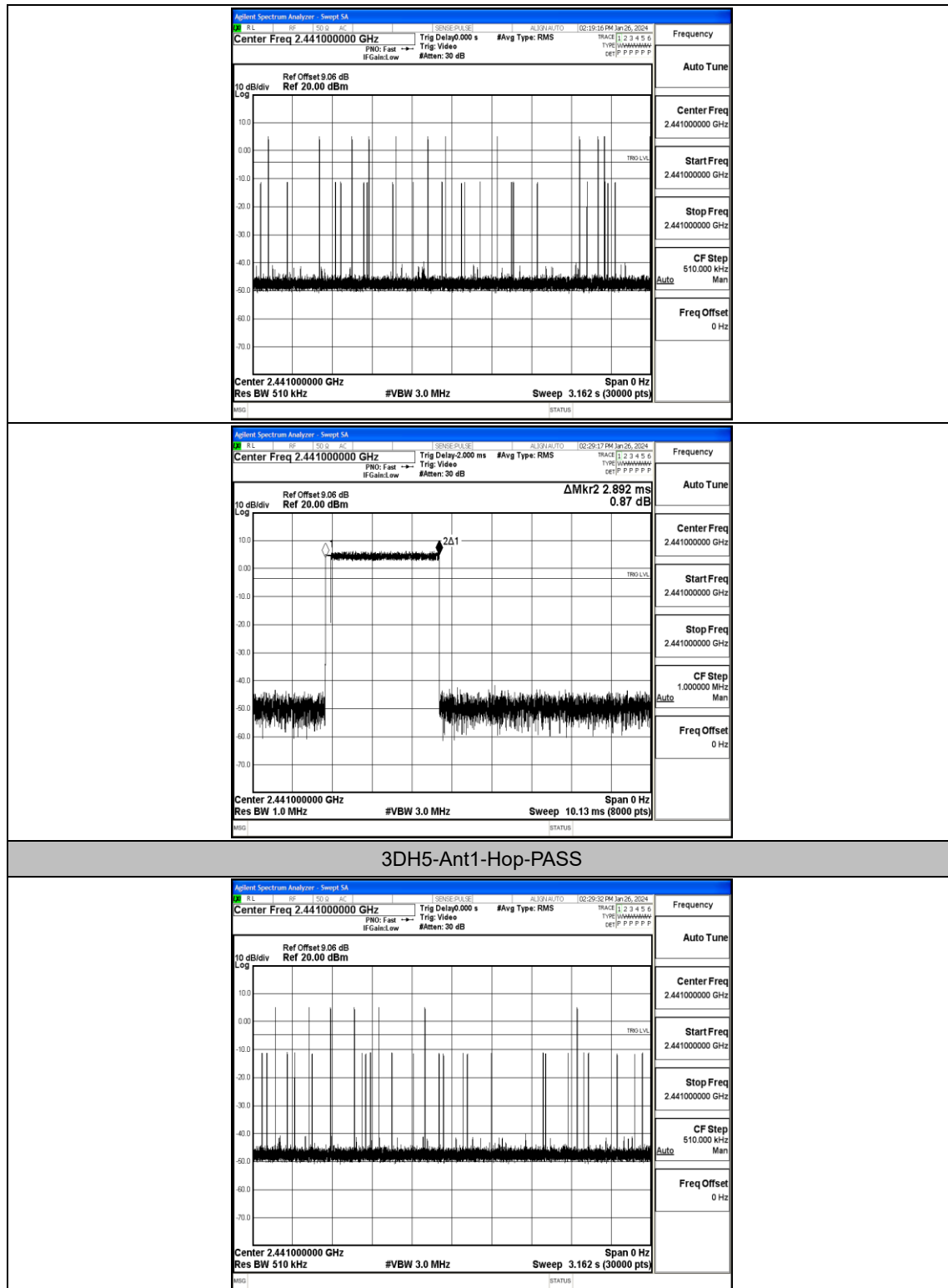
Appendix E: Time of occupancy

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	2.889	130	0.376	≤0.4	PASS
3DH5	Ant1	Hop	2.892	90	0.26	≤0.4	PASS

Test Graphs



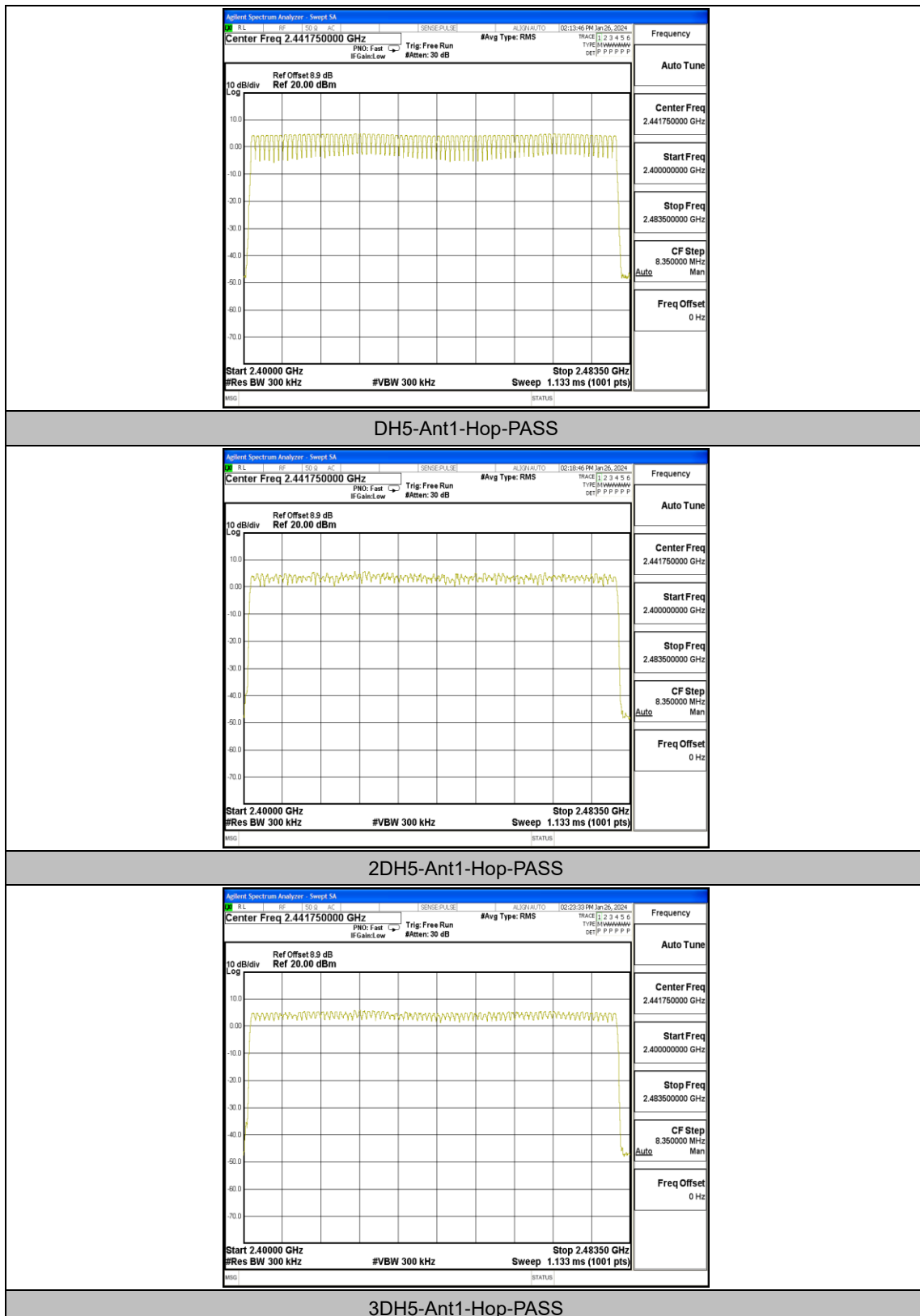


Appendix F: Number of hopping channels

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

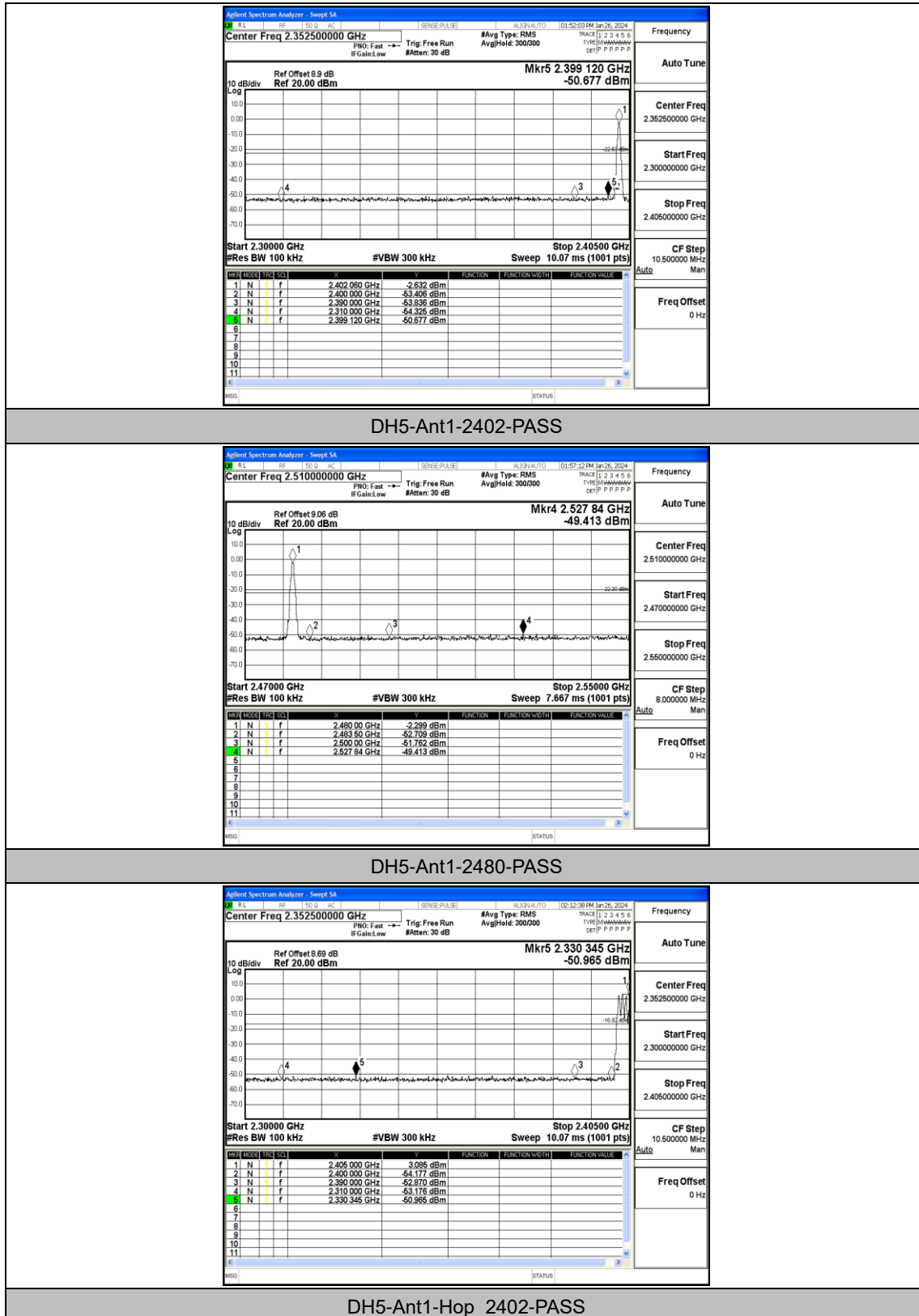


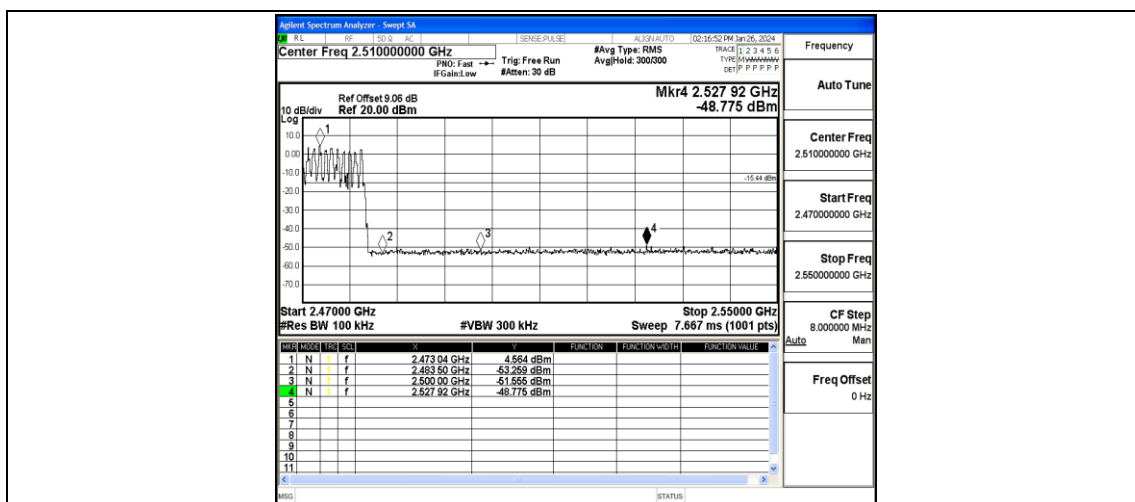
Appendix G: Band edge measurements

Test Result

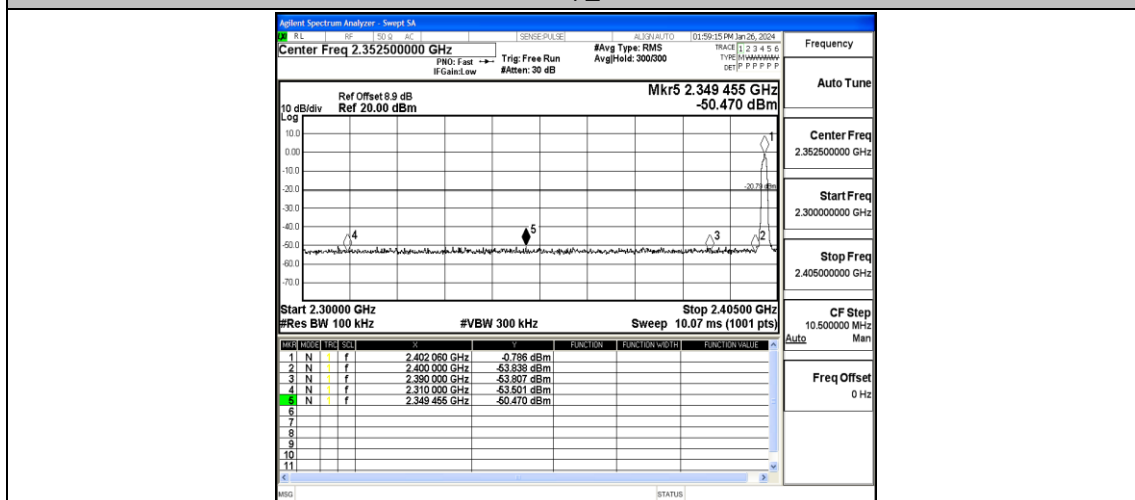
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-2.63	-50.68	≤ -22.63	PASS
DH5	Ant1	High	2480	-2.30	-49.41	≤ -22.3	PASS
DH5	Ant1	Low	Hop_2402	3.09	-50.97	≤ -16.92	PASS
DH5	Ant1	High	Hop_2480	4.56	-48.78	≤ -15.44	PASS
2DH5	Ant1	Low	2402	-0.79	-50.47	≤ -20.79	PASS
2DH5	Ant1	High	2480	-1.83	-49.45	≤ -21.83	PASS
2DH5	Ant1	Low	Hop_2402	3.06	-50.6	≤ -16.95	PASS
2DH5	Ant1	High	Hop_2480	3.46	-49.3	≤ -16.54	PASS
3DH5	Ant1	Low	2402	-0.61	-49.98	≤ -20.61	PASS
3DH5	Ant1	High	2480	-0.53	-49.48	≤ -20.53	PASS
3DH5	Ant1	Low	Hop_2402	4.15	-50.56	≤ -15.85	PASS
3DH5	Ant1	High	Hop_2480	4.97	-49.68	≤ -15.03	PASS

Test Graphs

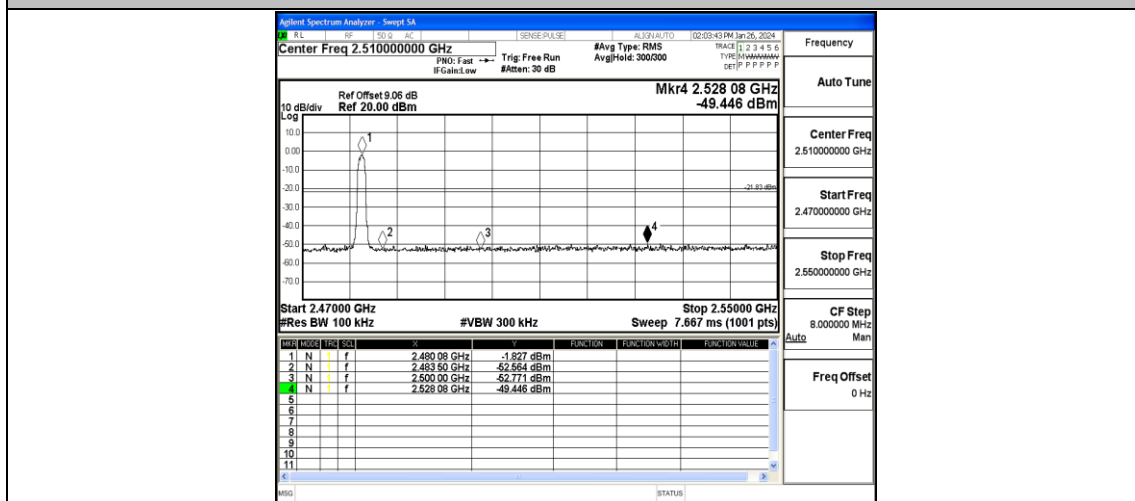




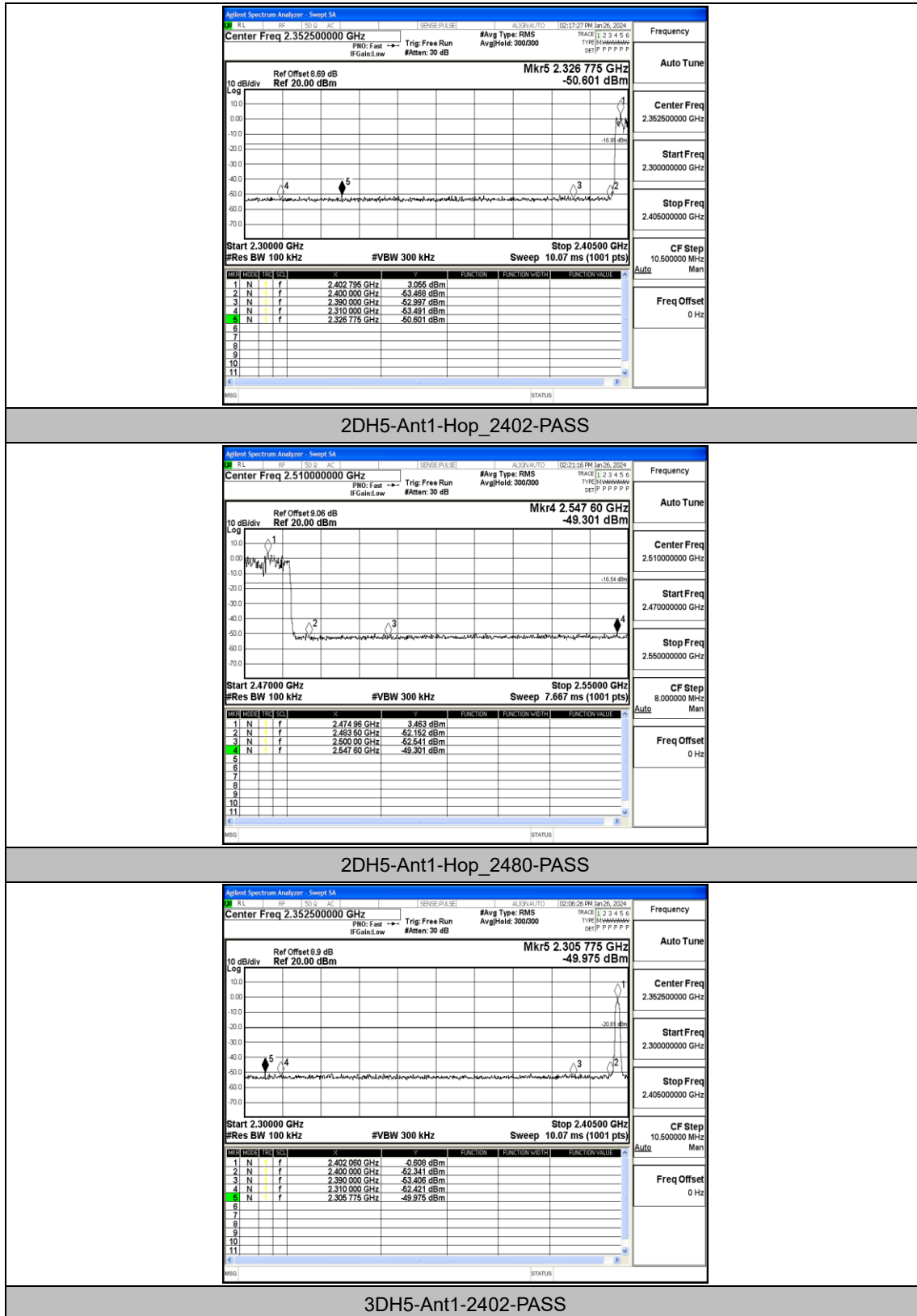
DH5-Ant1-Hop_2480-PASS

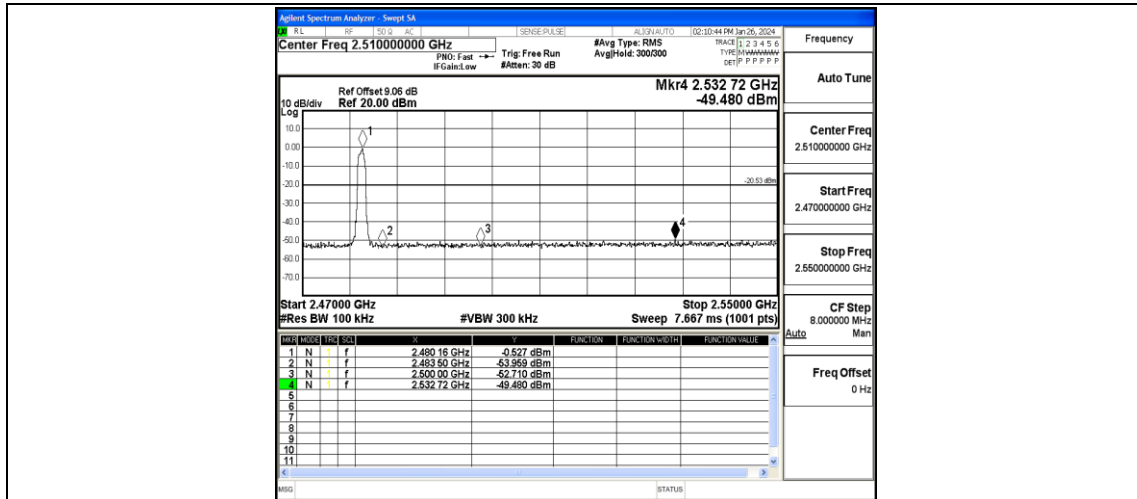


2DH5-Ant1-2402-PASS

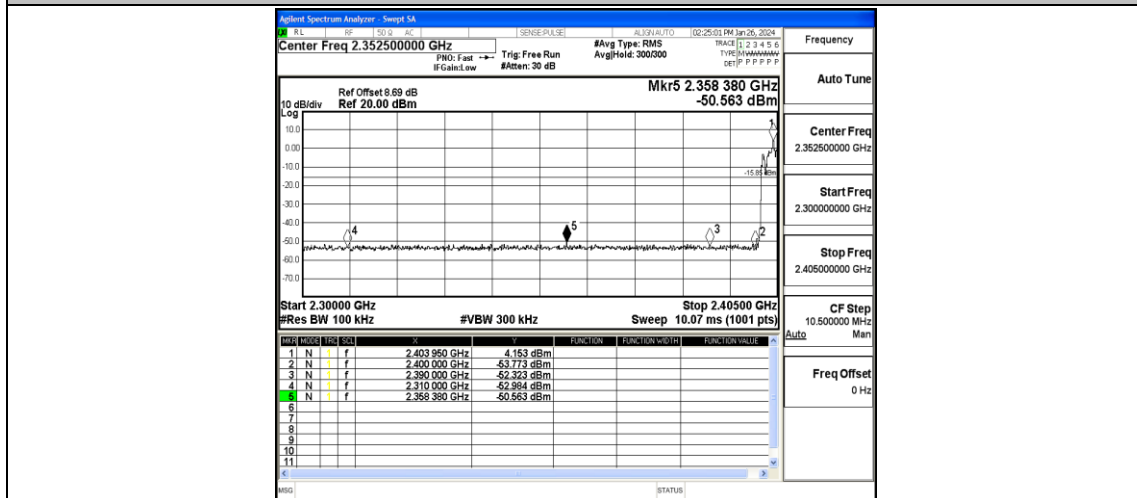


2DH5-Ant1-2480-PASS

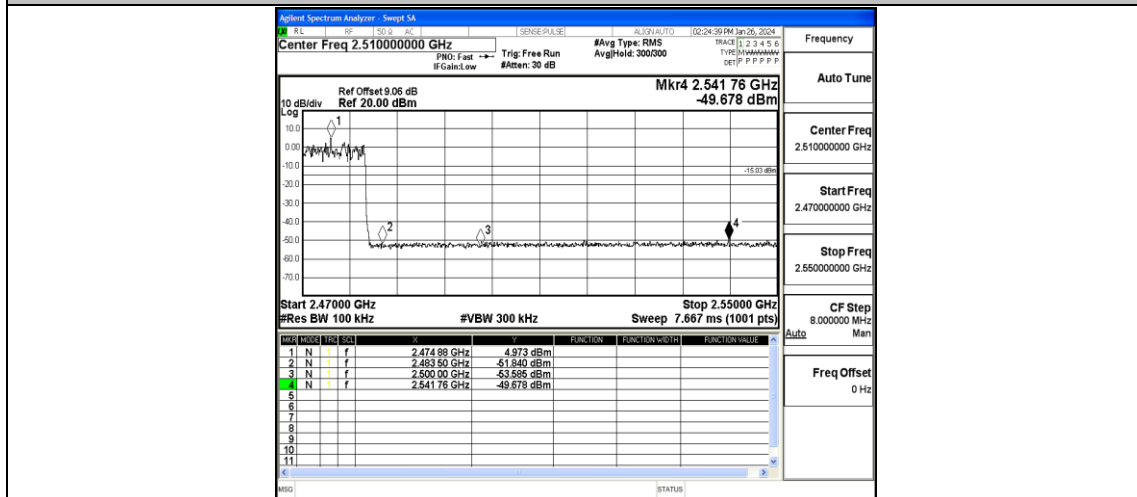




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



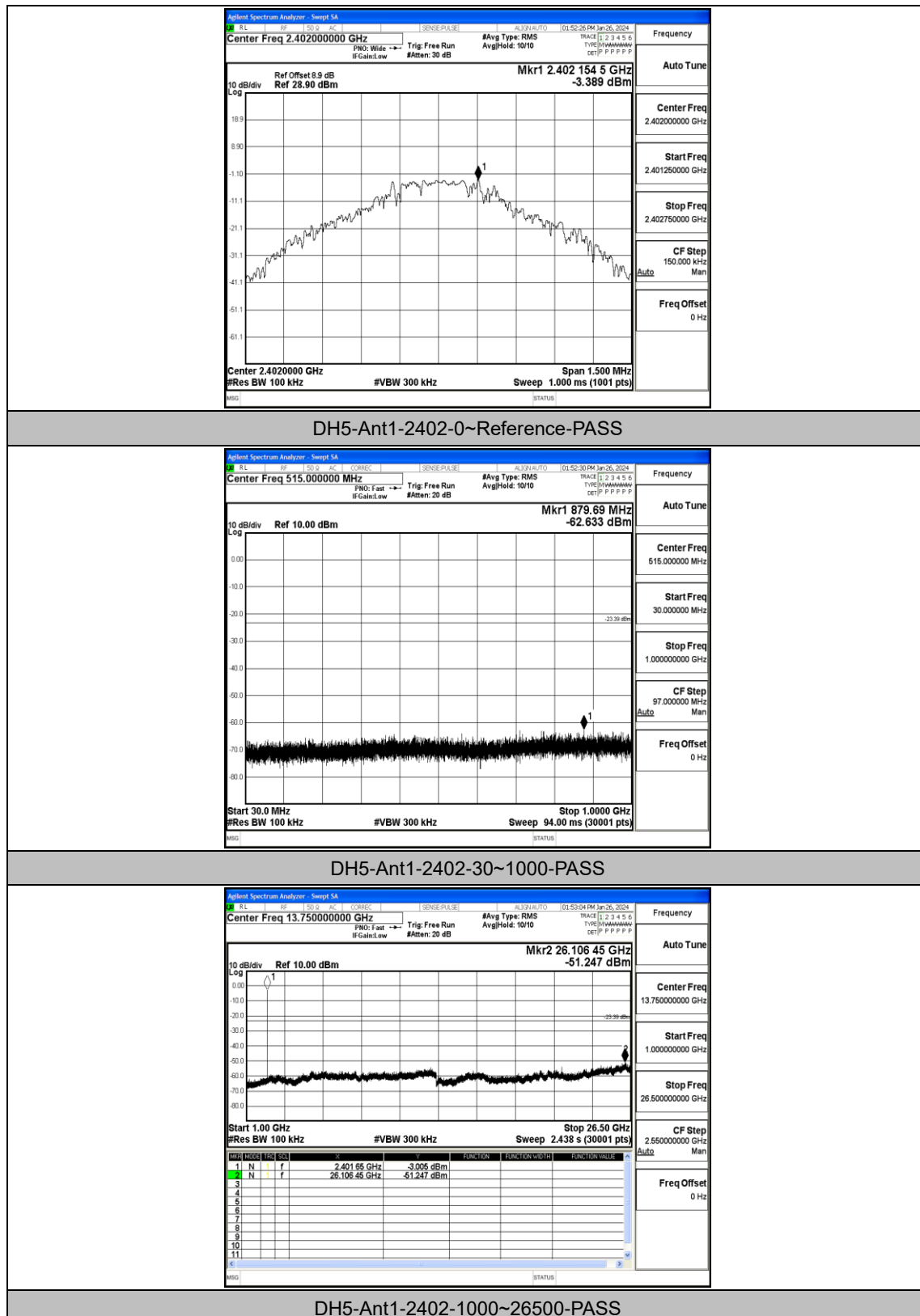
3DH5-Ant1-Hop_2480-PASS

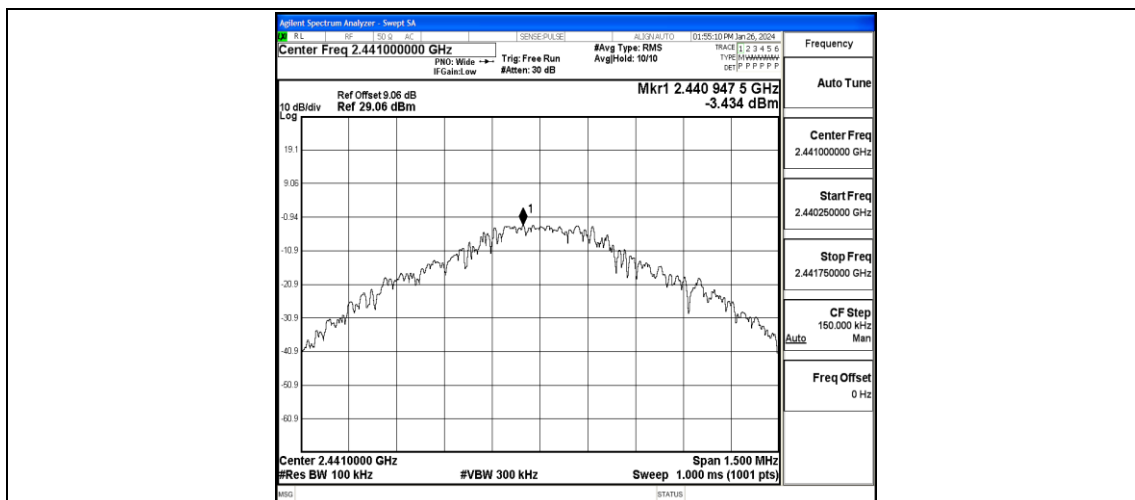
Appendix H: Conducted Spurious Emission

Test Result

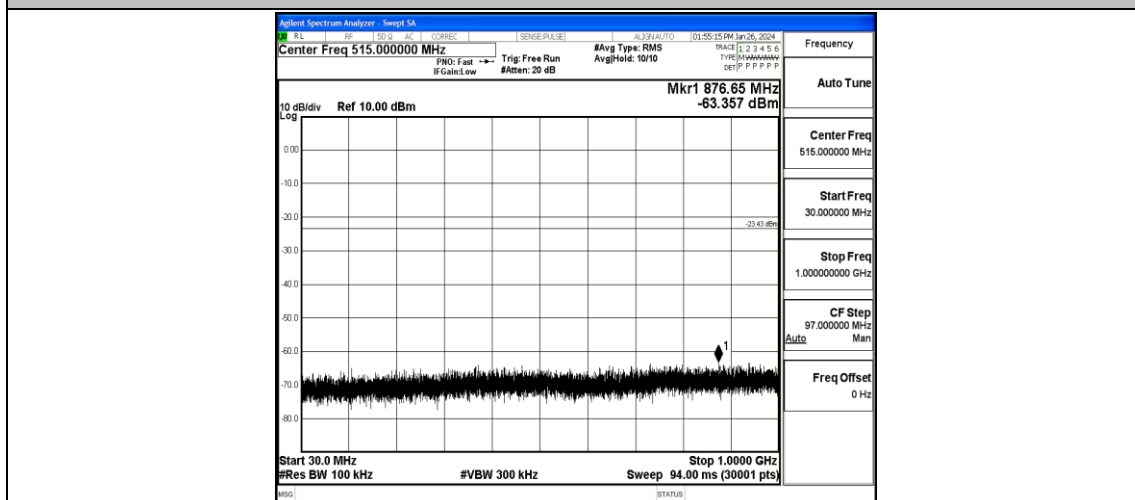
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-3.39	-3.39	---	PASS
DH5	Ant1	2402	30~1000	-3.39	-62.63	≤-23.39	PASS
DH5	Ant1	2402	1000~26500	-3.39	-51.25	≤-23.39	PASS
DH5	Ant1	2441	0~Reference	-3.43	-3.43	---	PASS
DH5	Ant1	2441	30~1000	-3.43	-63.36	≤-23.43	PASS
DH5	Ant1	2441	1000~26500	-3.43	-51.57	≤-23.43	PASS
DH5	Ant1	2480	0~Reference	-3.28	-3.28	---	PASS
DH5	Ant1	2480	30~1000	-3.28	-63.03	≤-23.28	PASS
DH5	Ant1	2480	1000~26500	-3.28	-50.73	≤-23.28	PASS
2DH5	Ant1	2402	0~Reference	-0.68	-0.68	---	PASS
2DH5	Ant1	2402	30~1000	-0.68	-63.08	≤-20.68	PASS
2DH5	Ant1	2402	1000~26500	-0.68	-51.4	≤-20.68	PASS
2DH5	Ant1	2441	0~Reference	-3.76	-3.76	---	PASS
2DH5	Ant1	2441	30~1000	-3.76	-62.82	≤-23.76	PASS
2DH5	Ant1	2441	1000~26500	-3.76	-50.79	≤-23.76	PASS
2DH5	Ant1	2480	0~Reference	-4.20	-4.20	---	PASS
2DH5	Ant1	2480	30~1000	-4.20	-62.9	≤-24.2	PASS
2DH5	Ant1	2480	1000~26500	-4.20	-51.34	≤-24.2	PASS
3DH5	Ant1	2402	0~Reference	-3.36	-3.36	---	PASS
3DH5	Ant1	2402	30~1000	-3.36	-63.03	≤-23.36	PASS
3DH5	Ant1	2402	1000~26500	-3.36	-51.18	≤-23.36	PASS
3DH5	Ant1	2441	0~Reference	-1.78	-1.78	---	PASS
3DH5	Ant1	2441	30~1000	-1.78	-63.28	≤-21.78	PASS
3DH5	Ant1	2441	1000~26500	-1.78	-50.69	≤-21.78	PASS
3DH5	Ant1	2480	0~Reference	-3.76	-3.76	---	PASS
3DH5	Ant1	2480	30~1000	-3.76	-62.64	≤-23.76	PASS
3DH5	Ant1	2480	1000~26500	-3.76	-51.54	≤-23.76	PASS

Test Graphs

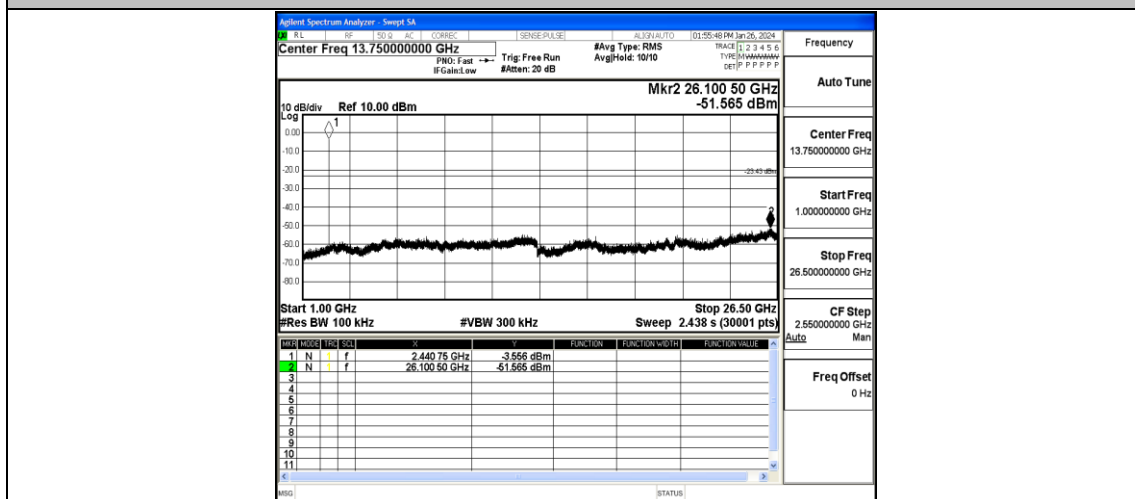




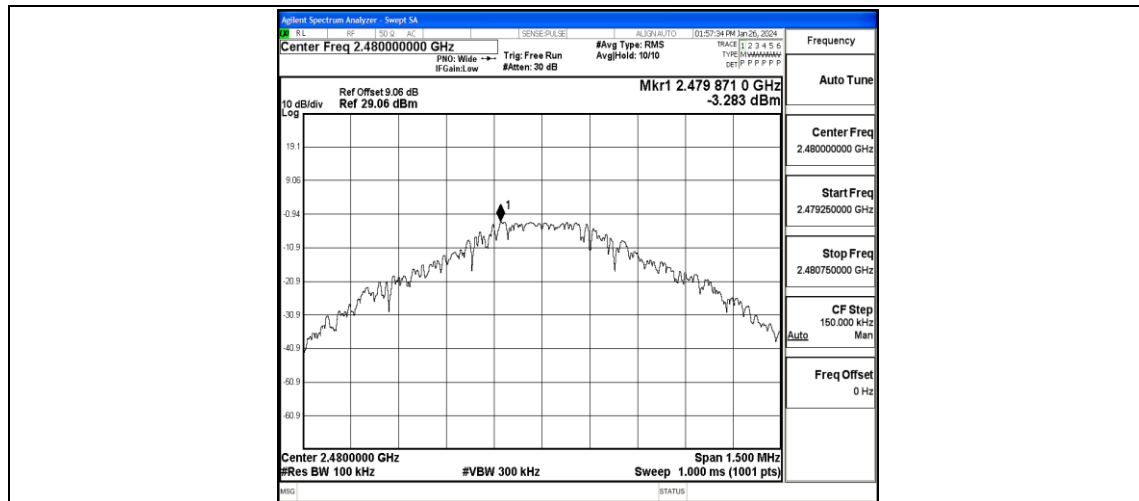
DH5-Ant1-2441-0~Reference-PASS



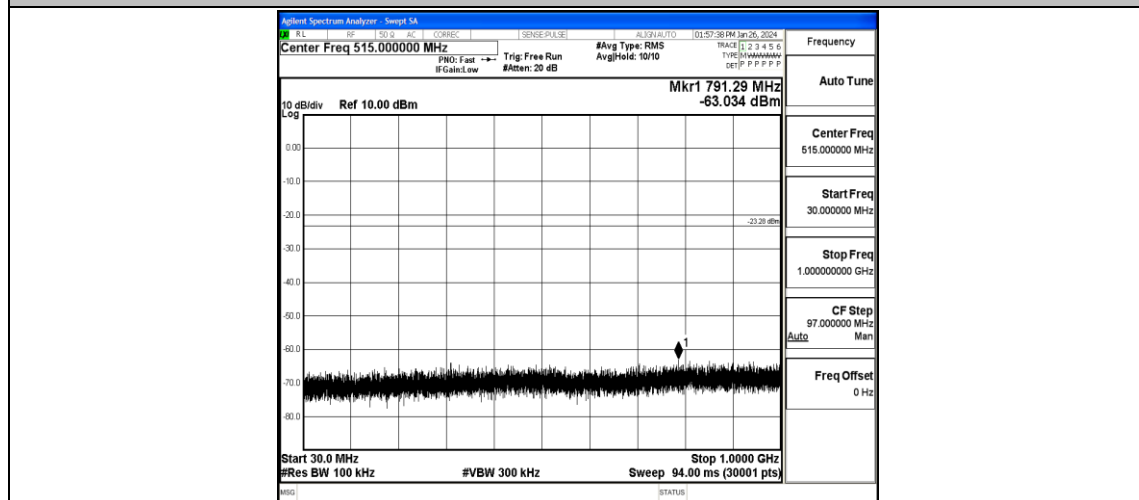
DH5-Ant1-2441-30~1000-PASS



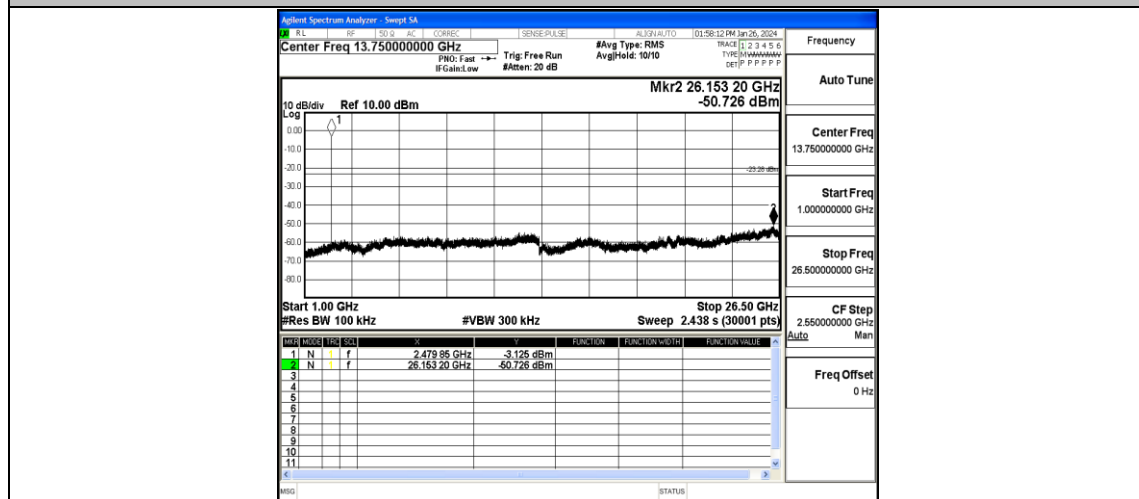
DH5-Ant1-2441-1000~26500-PASS



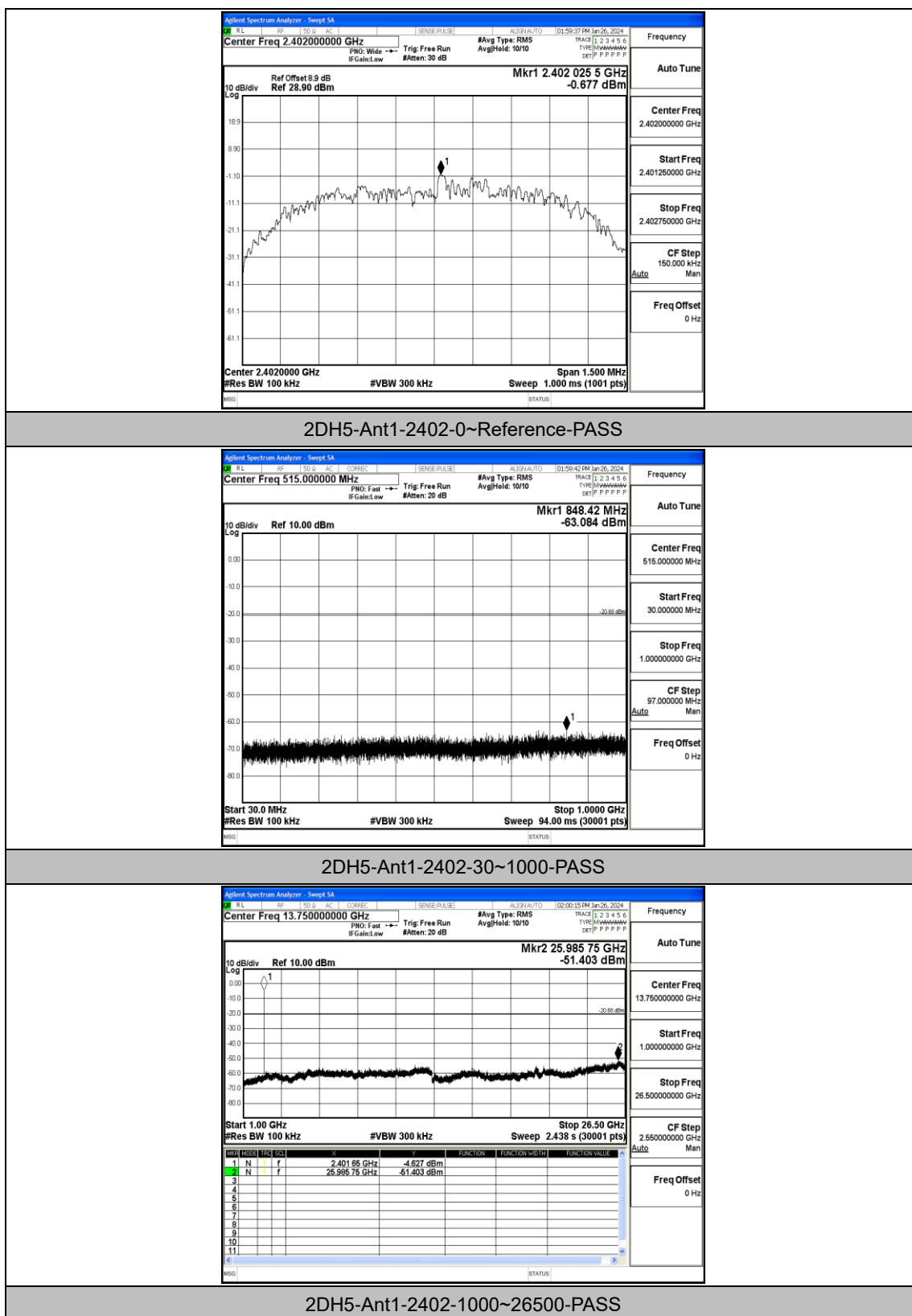
DH5-Ant1-2480-0~Reference-PASS

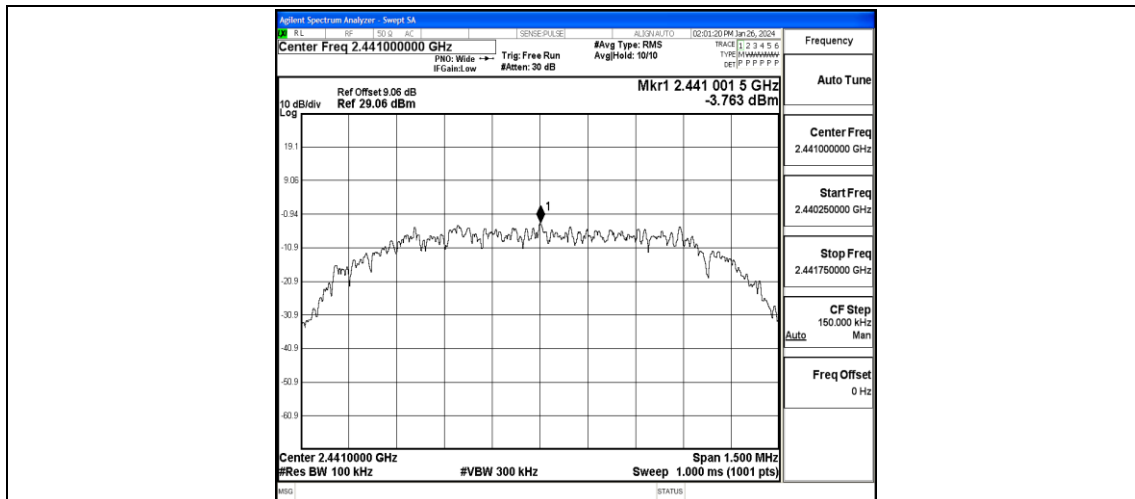


DH5-Ant1-2480-30~1000-PASS

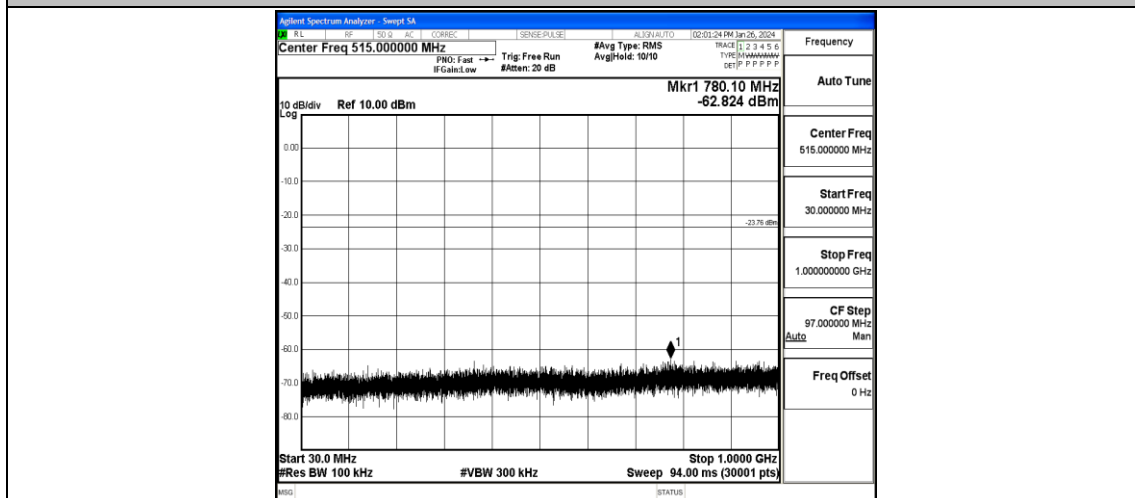


DH5-Ant1-2480-1000~26500-PASS

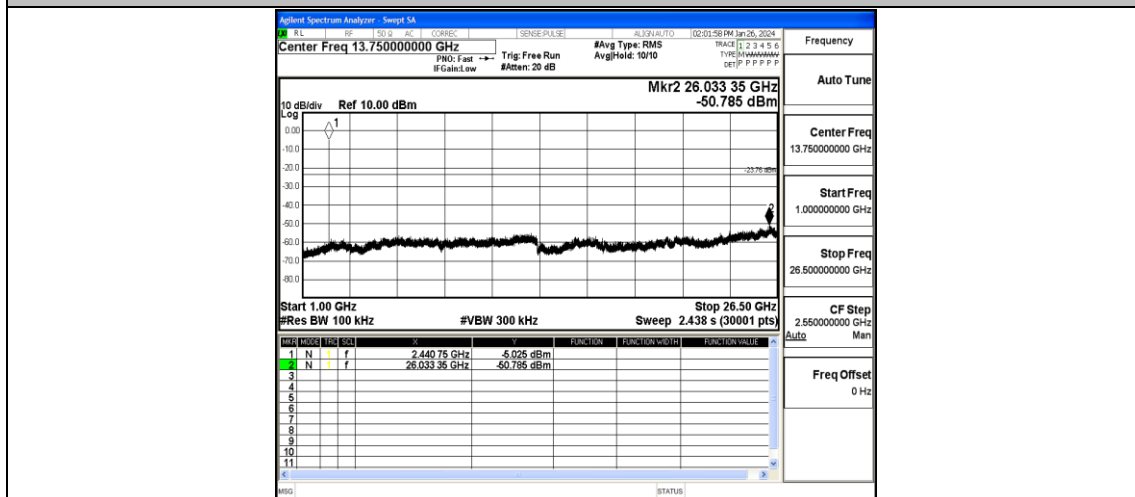




2DH5-Ant1-2441-0~Reference-PASS



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



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