

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

Product Name: Wireless Headphones

Trade Mark: N/A

Test Model: T20

FCC ID: 2BCRG-T20

Environmental Conditions

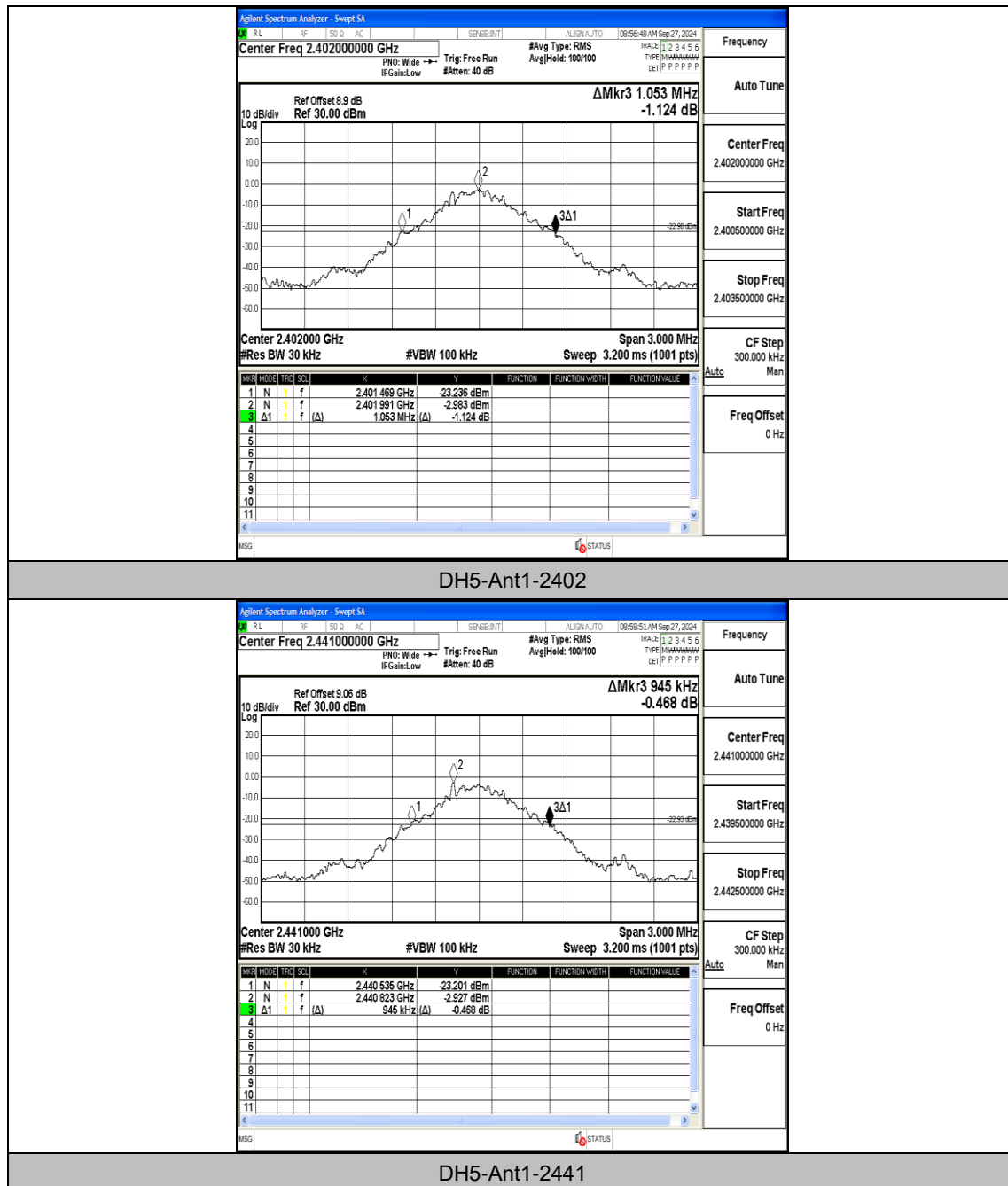
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

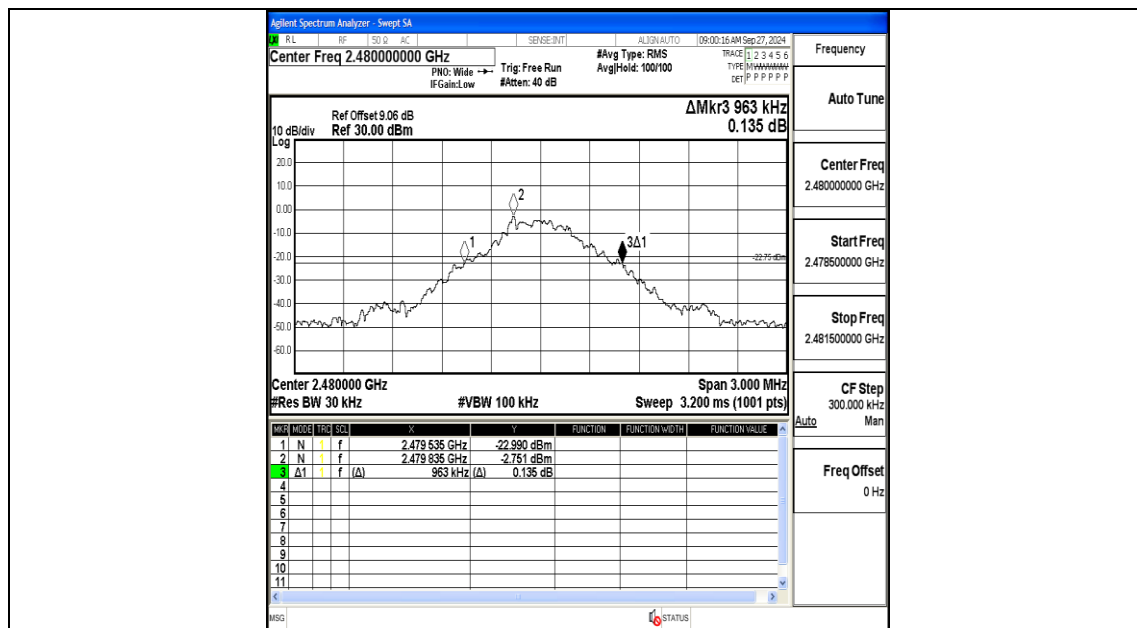
Appendix A: 20dB Emission Bandwidth

Test Result

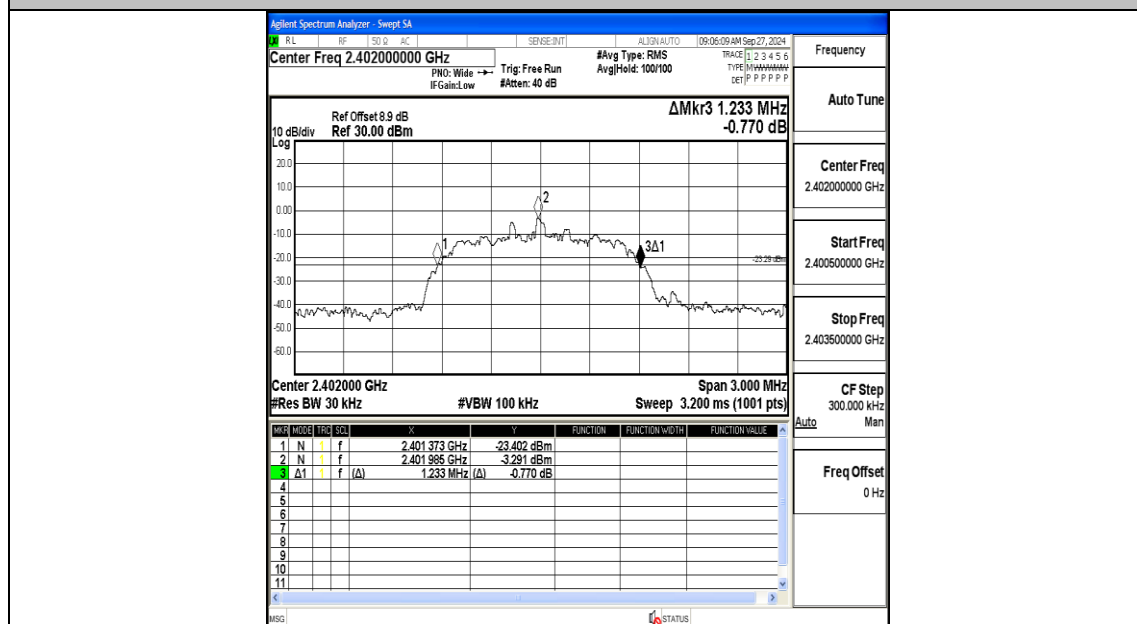
Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	1.053	2401.469	2402.522	---	---
DH5	Ant1	2441	0.945	2440.535	2441.480	---	---
DH5	Ant1	2480	0.963	2479.535	2480.498	---	---
2DH5	Ant1	2402	1.233	2401.373	2402.606	---	---
2DH5	Ant1	2441	1.326	2440.328	2441.654	---	---
2DH5	Ant1	2480	1.278	2479.373	2480.651	---	---
3DH5	Ant1	2402	1.254	2401.364	2402.618	---	---
3DH5	Ant1	2441	1.191	2440.409	2441.600	---	---
3DH5	Ant1	2480	1.209	2479.400	2480.609	---	---

Test Graphs

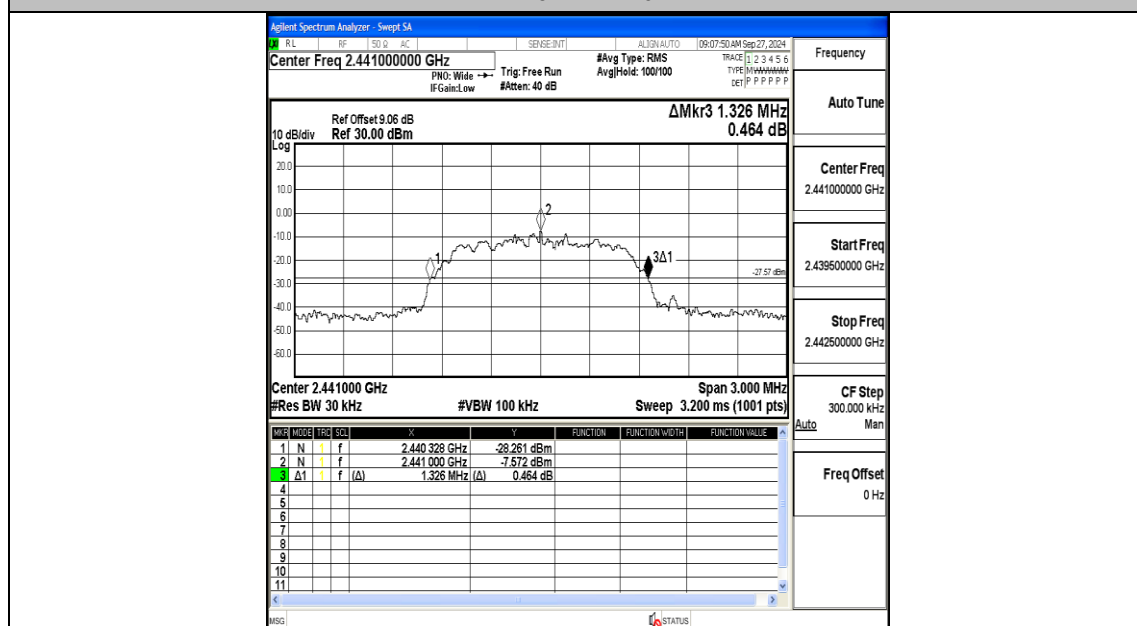




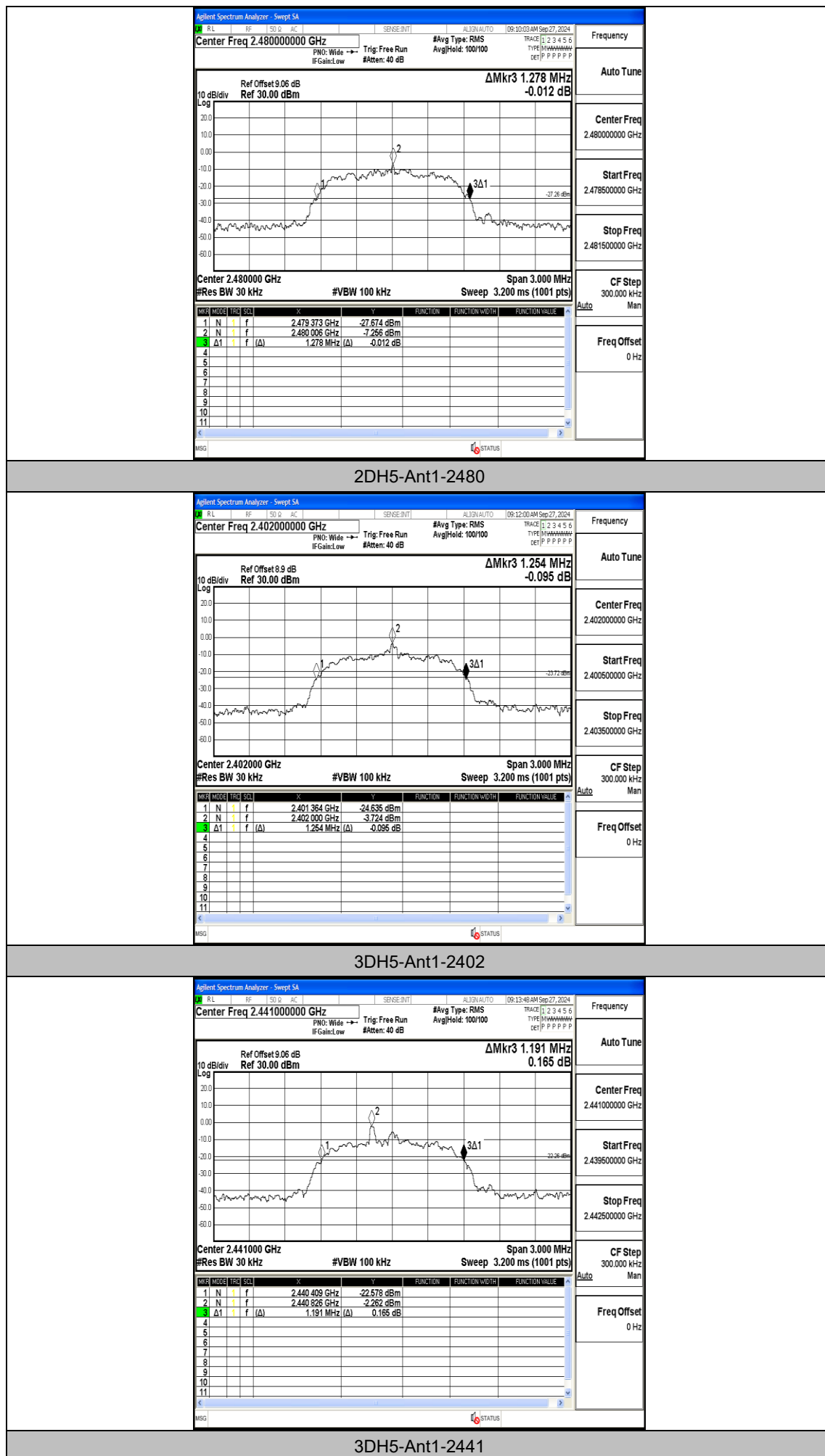
DH5-Ant1-2480

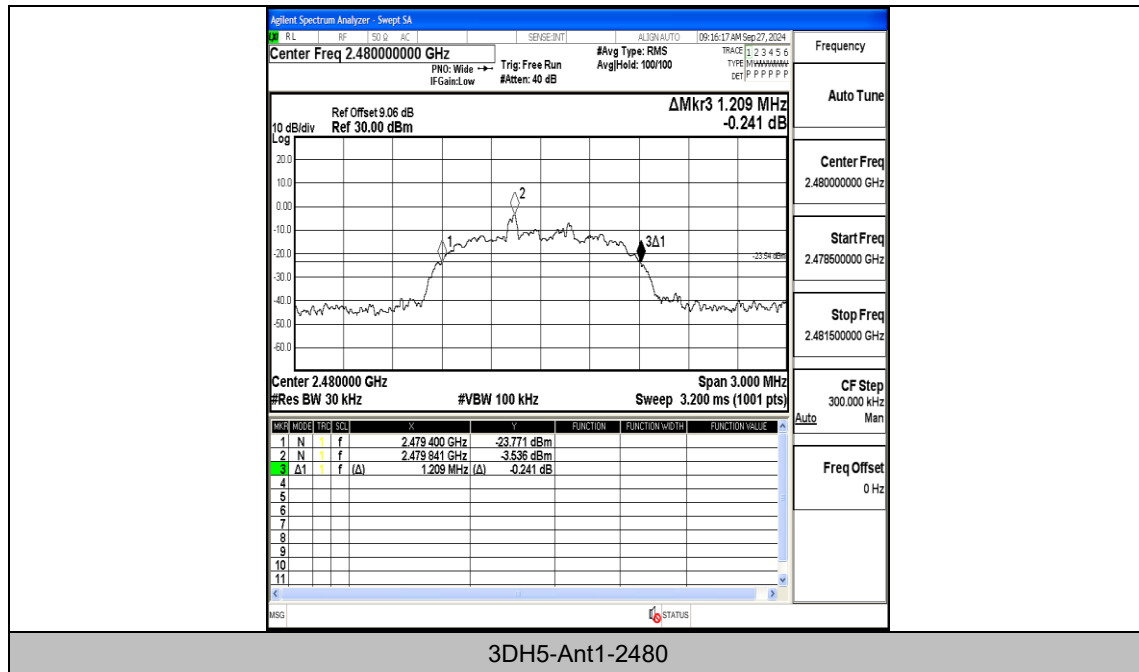


2DH5-Ant1-2402



2DH5-Ant1-2441



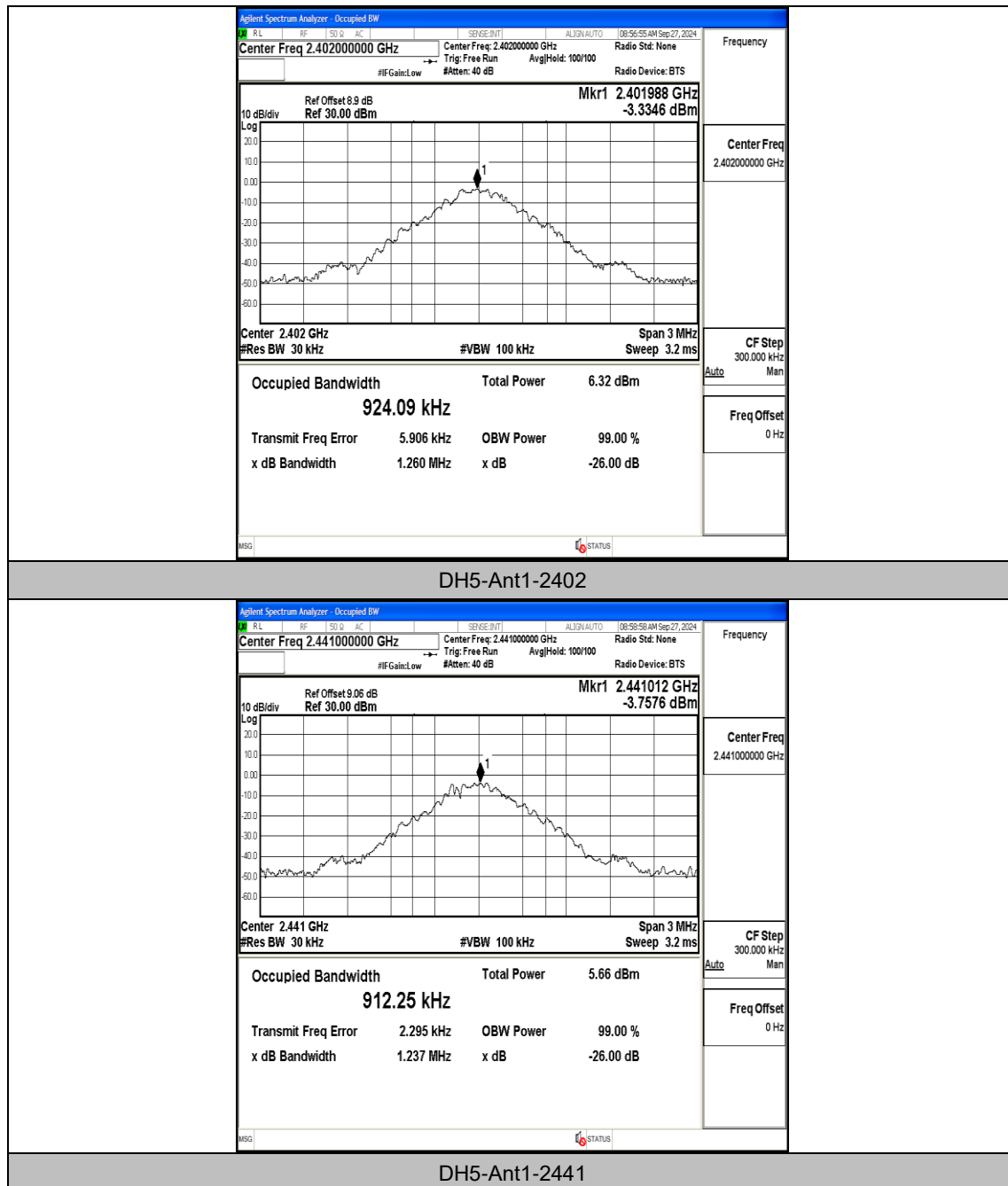


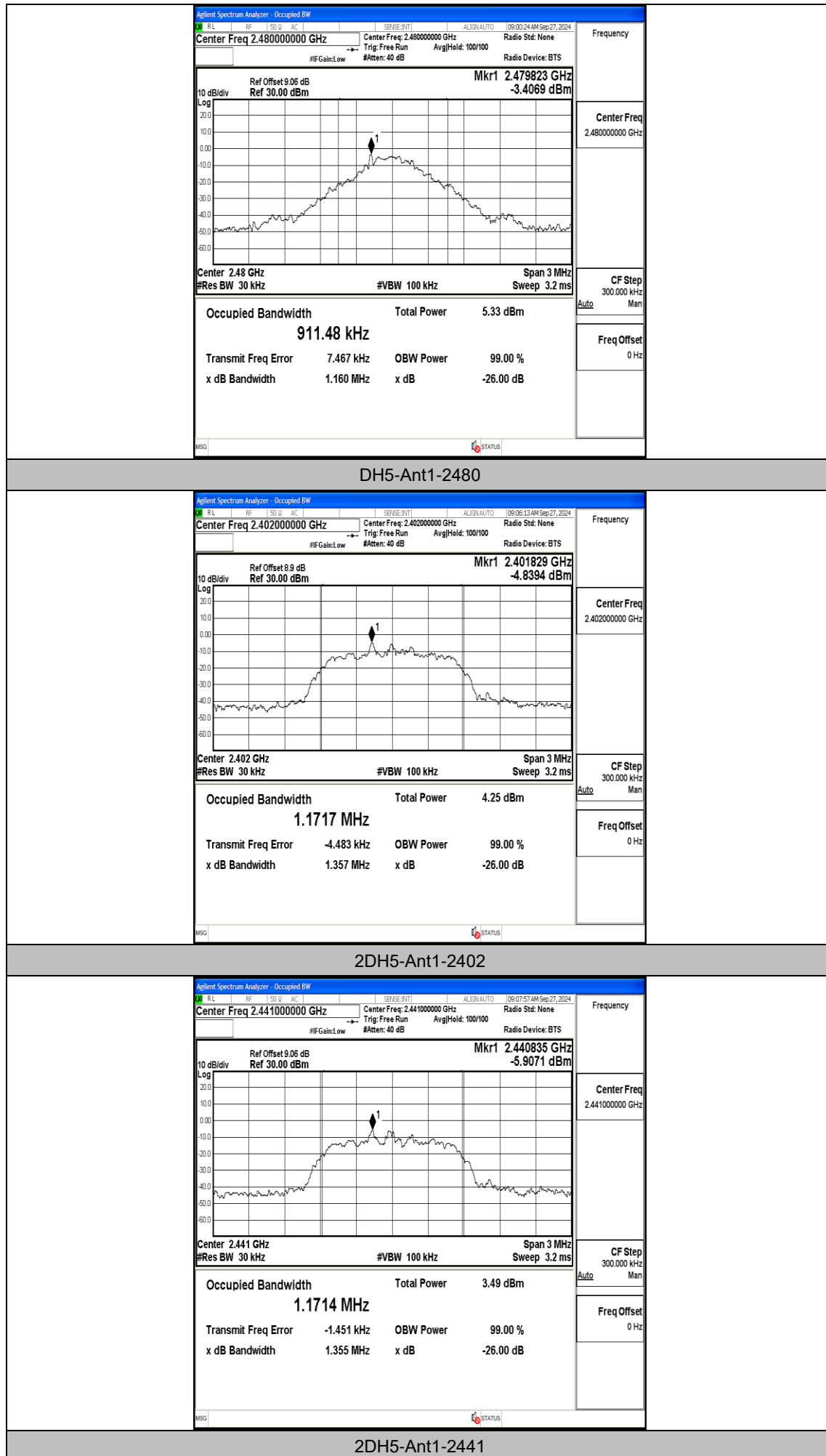
Appendix B: Occupied Channel Bandwidth

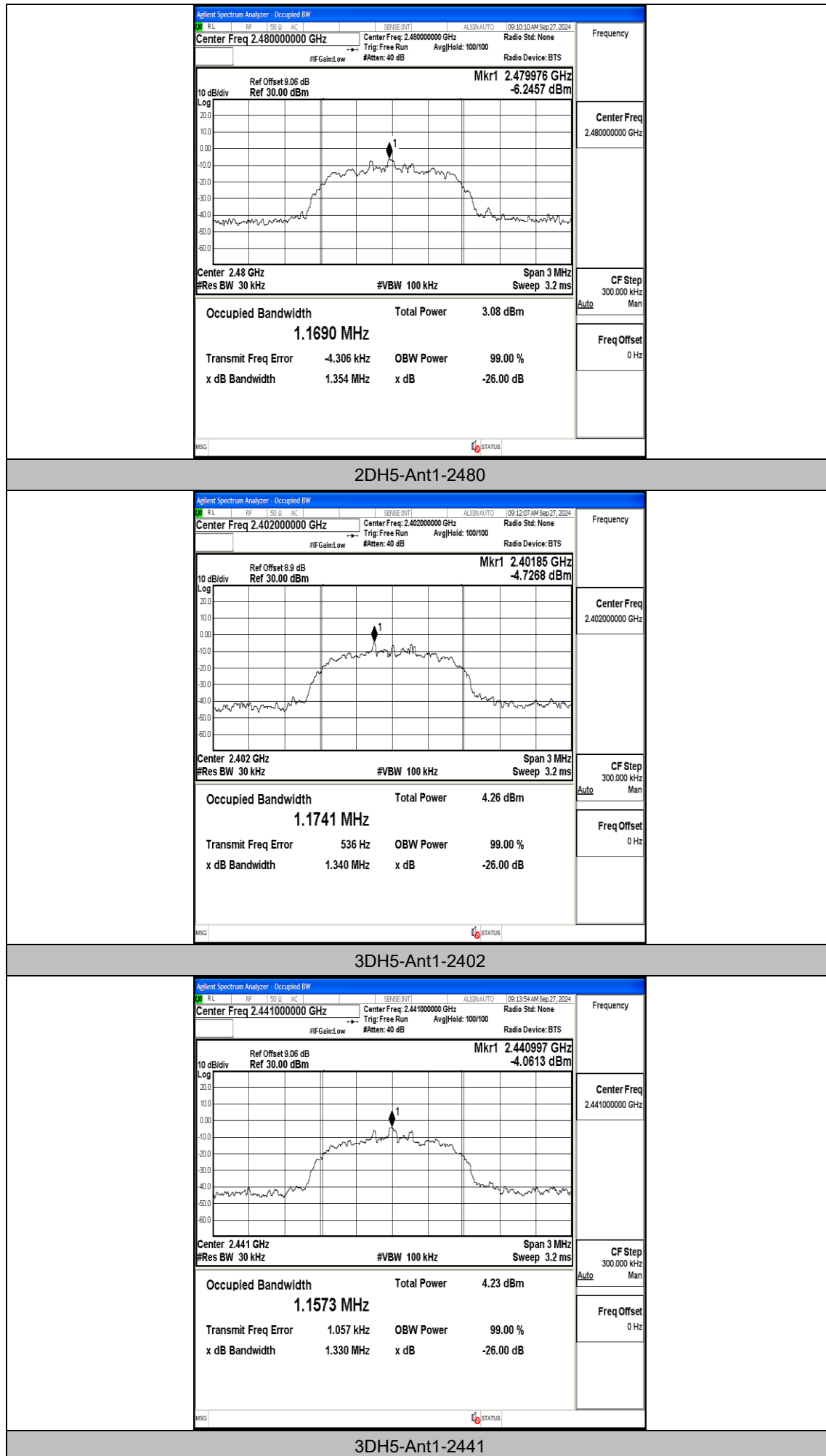
Test Result

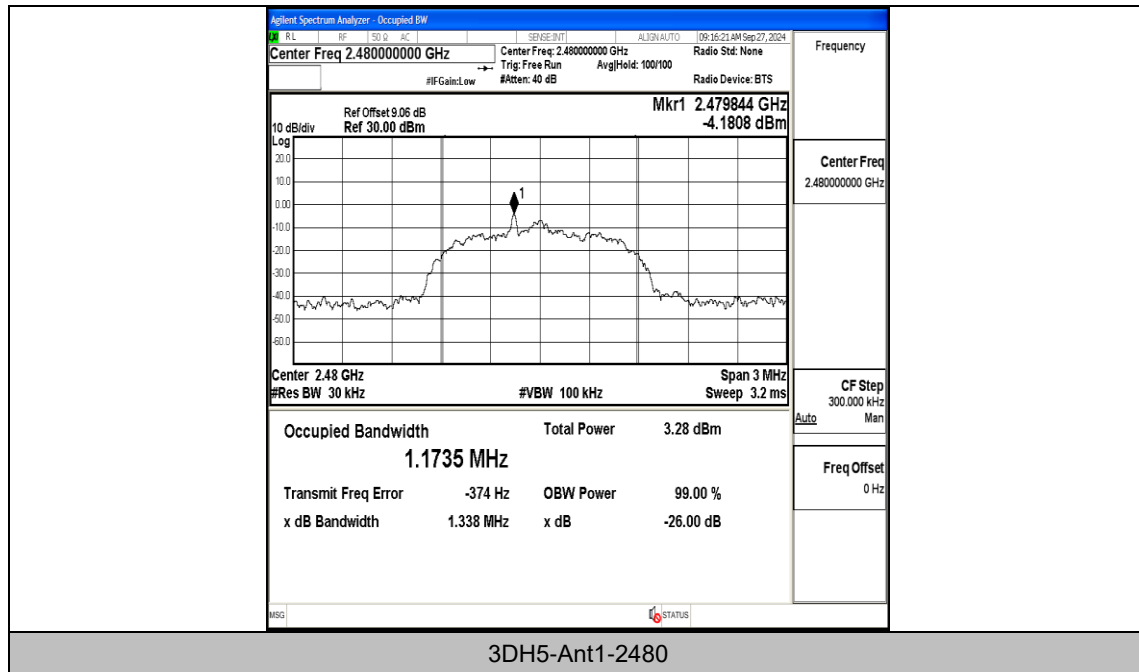
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.92409	2401.5439	2402.4680	---	---
DH5	Ant1	2441	0.91225	2440.5462	2441.4584	---	---
DH5	Ant1	2480	0.91148	2479.5517	2480.4632	---	---
2DH5	Ant1	2402	1.1717	2401.4097	2402.5814	---	---
2DH5	Ant1	2441	1.1714	2440.4129	2441.5843	---	---
2DH5	Ant1	2480	1.1690	2479.4112	2480.5802	---	---
3DH5	Ant1	2402	1.1741	2401.4135	2402.5876	---	---
3DH5	Ant1	2441	1.1573	2440.4224	2441.5797	---	---
3DH5	Ant1	2480	1.1735	2479.4129	2480.5864	---	---

Test Graphs







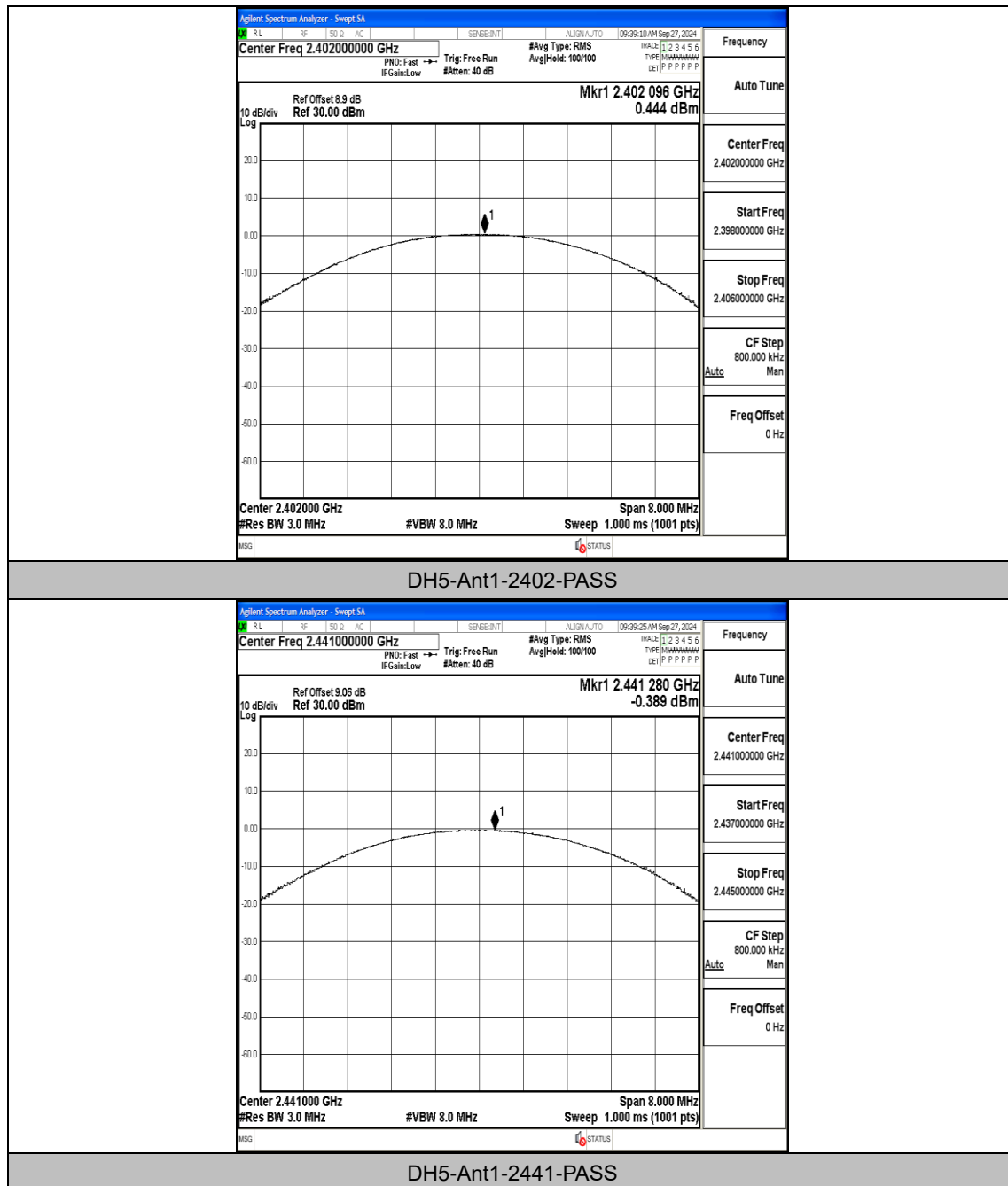


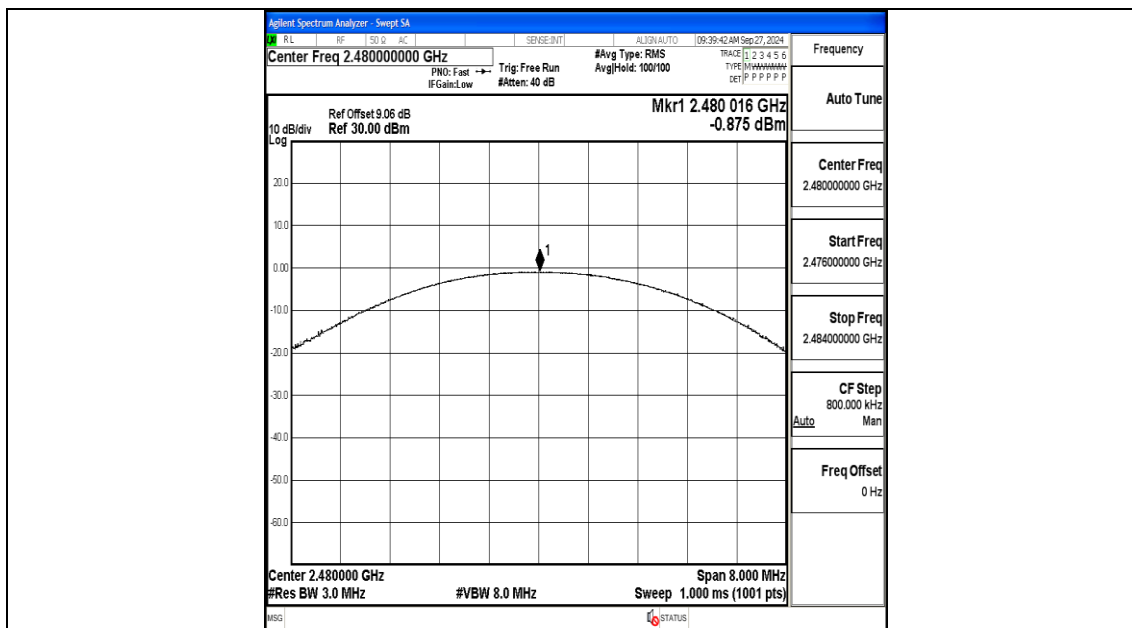
Appendix C: Maximum peak conducted output power

Test Result

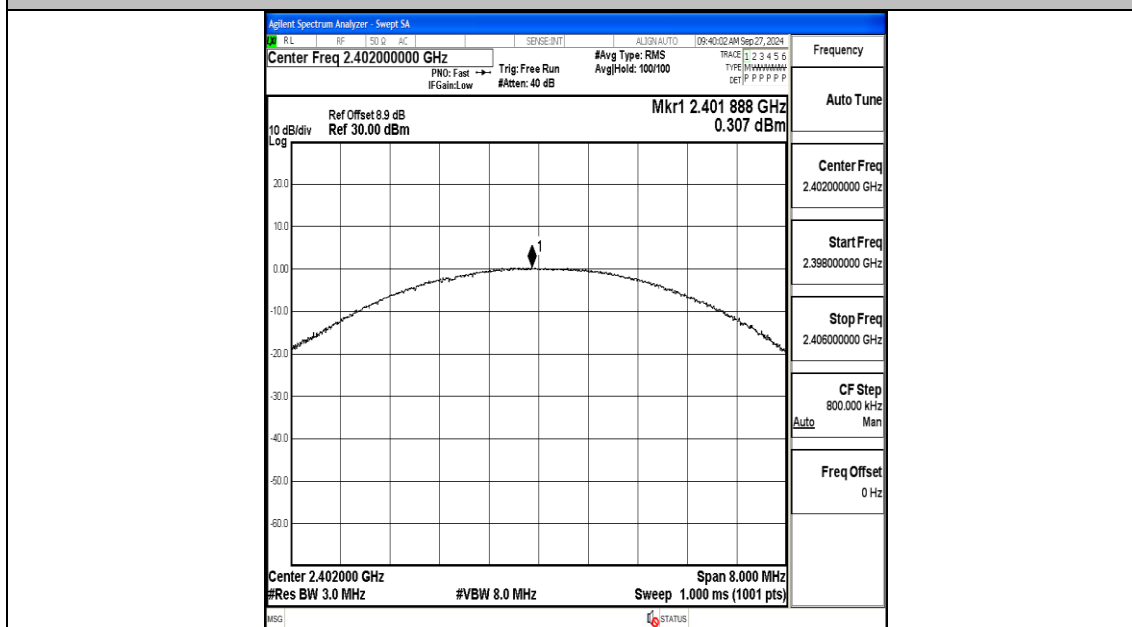
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	0.44	≤ 20.97	PASS
DH5	Ant1	2441	-0.39	≤ 20.97	PASS
DH5	Ant1	2480	-0.88	≤ 20.97	PASS
2DH5	Ant1	2402	0.31	≤ 20.97	PASS
2DH5	Ant1	2441	-0.49	≤ 20.97	PASS
2DH5	Ant1	2480	-0.99	≤ 20.97	PASS
3DH5	Ant1	2402	0.67	≤ 20.97	PASS
3DH5	Ant1	2441	-0.19	≤ 20.97	PASS
3DH5	Ant1	2480	-0.68	≤ 20.97	PASS

Test Graphs

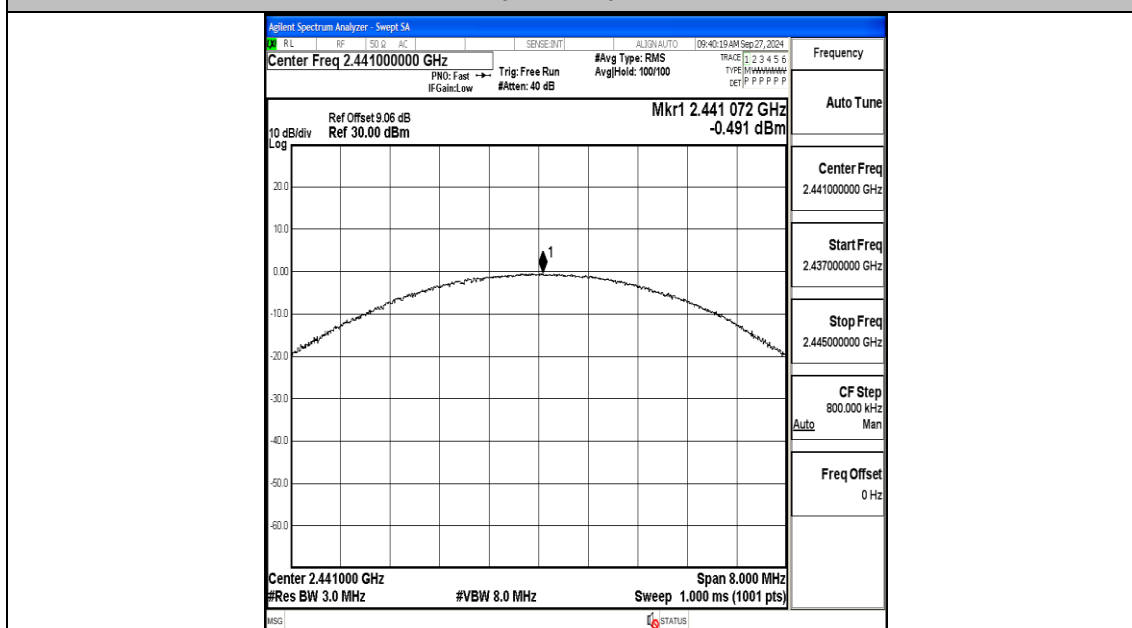




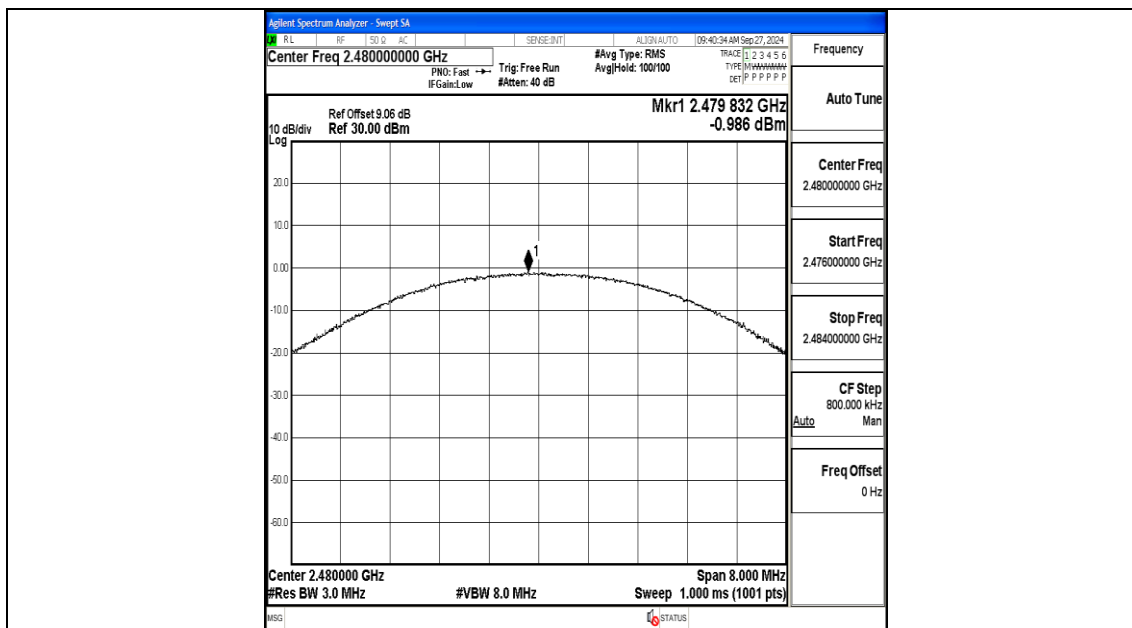
DH5-Ant1-2480-PASS



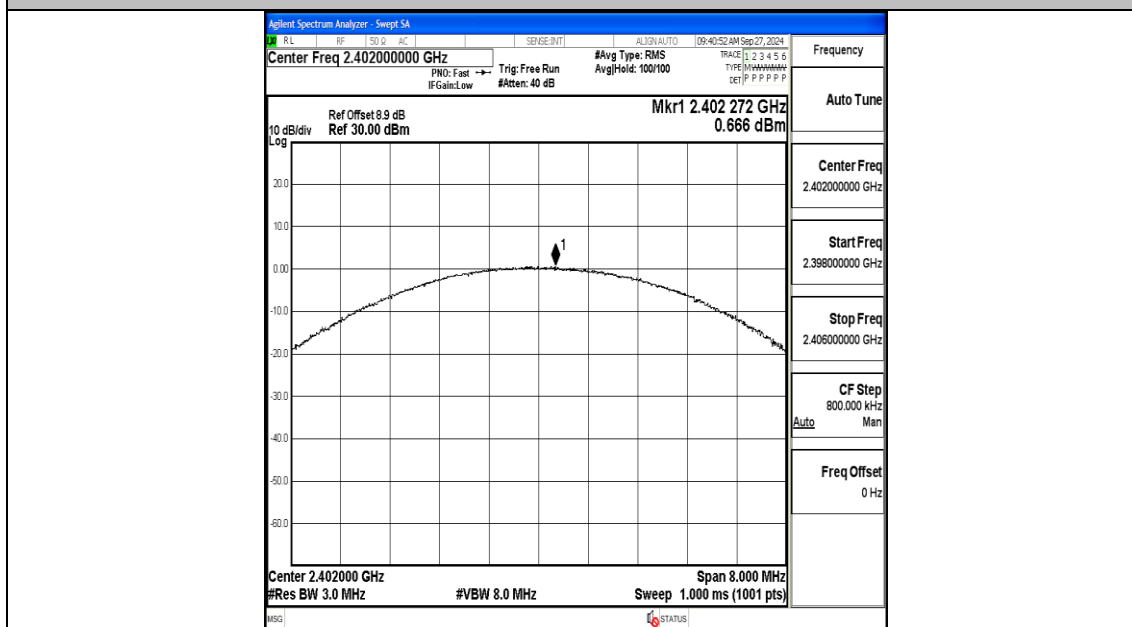
2DH5-Ant1-2402-PASS



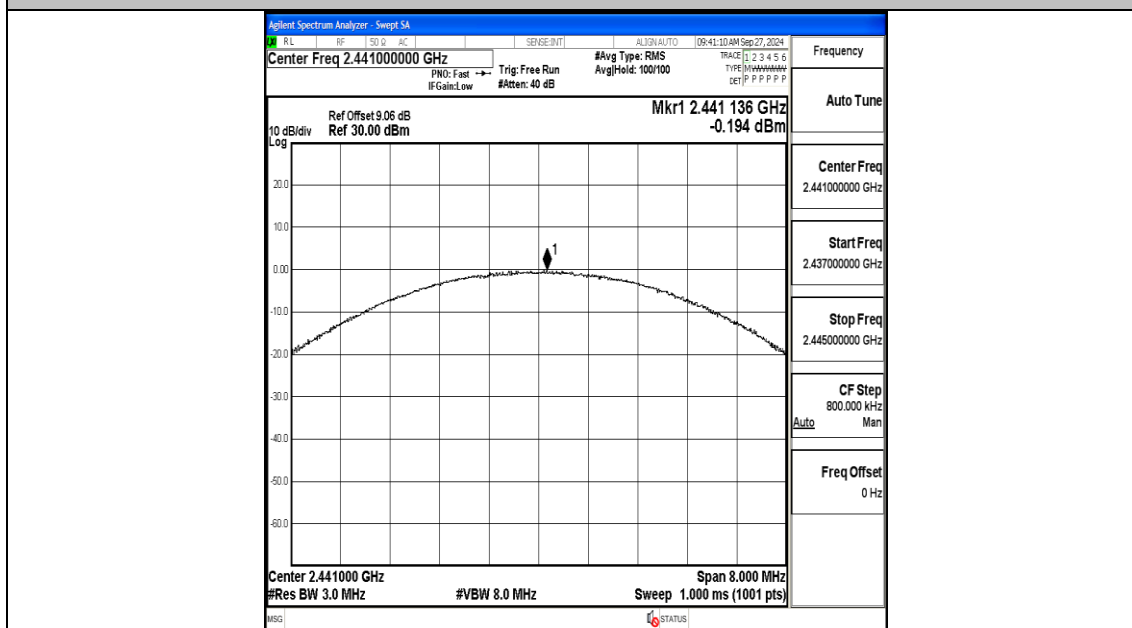
2DH5-Ant1-2441-PASS



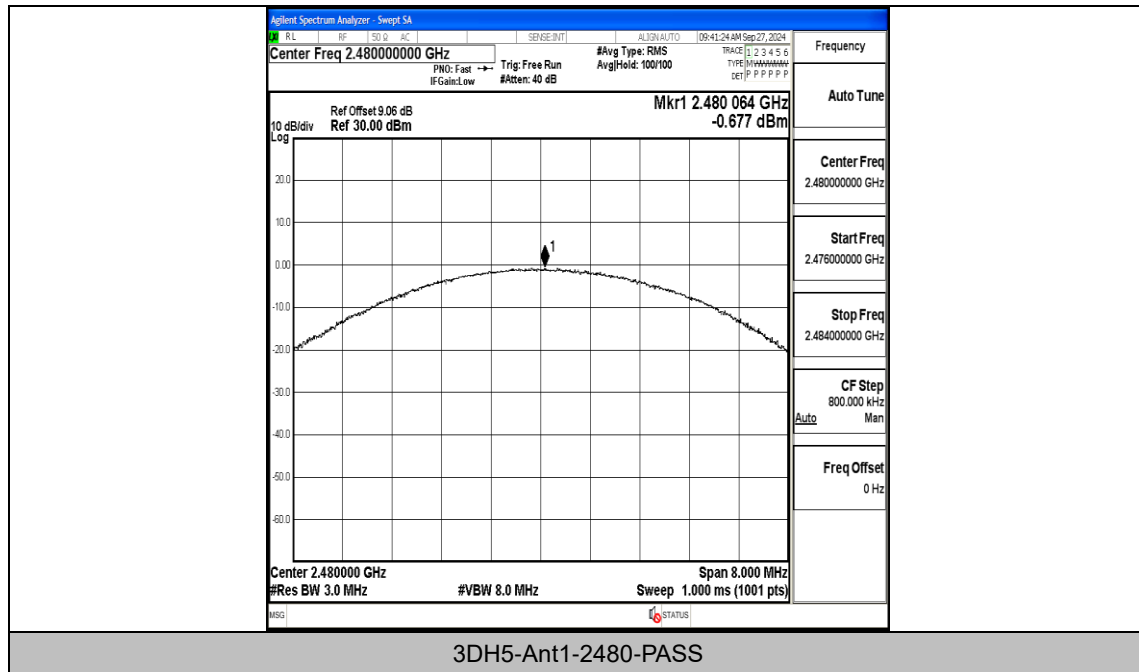
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS

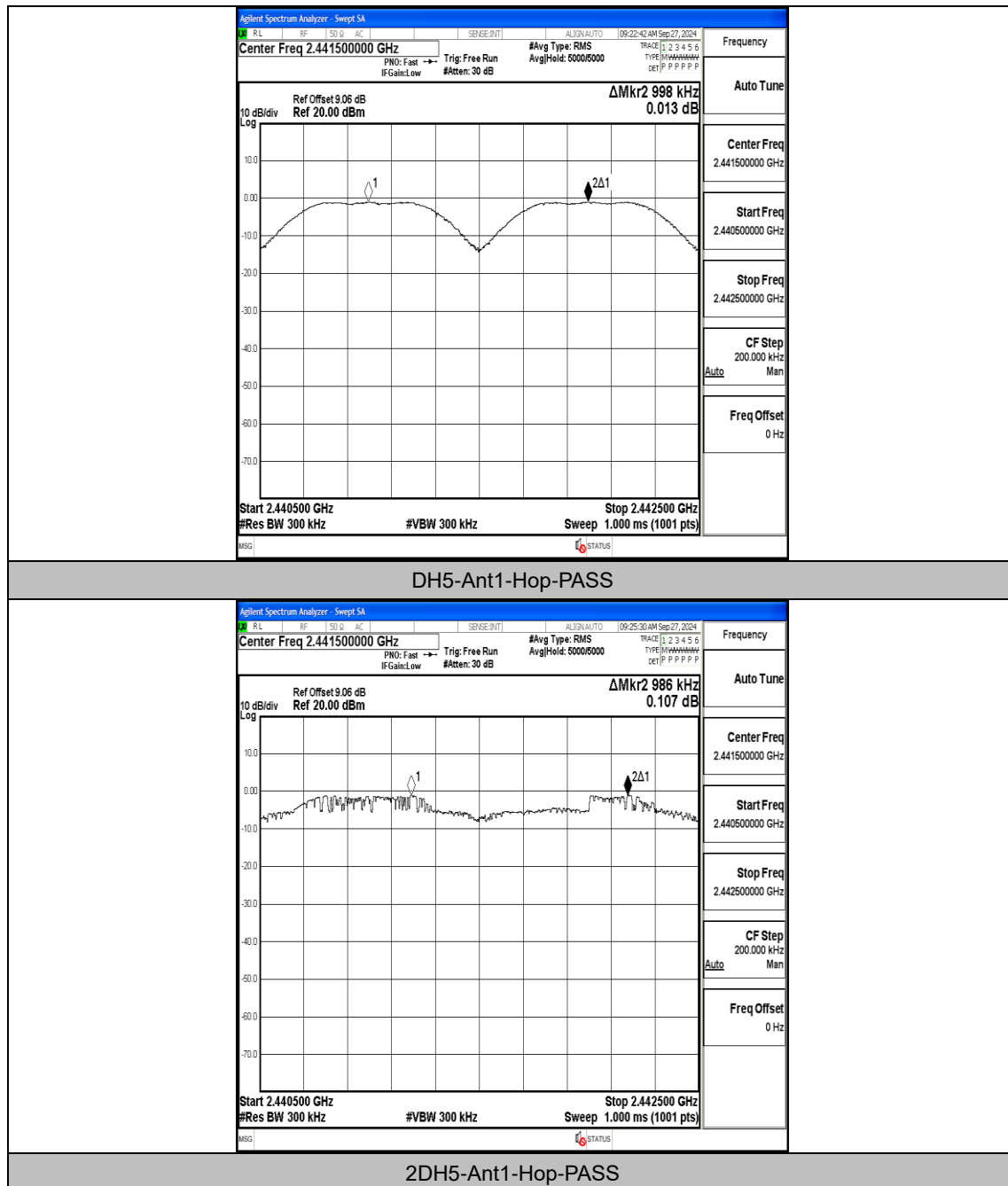


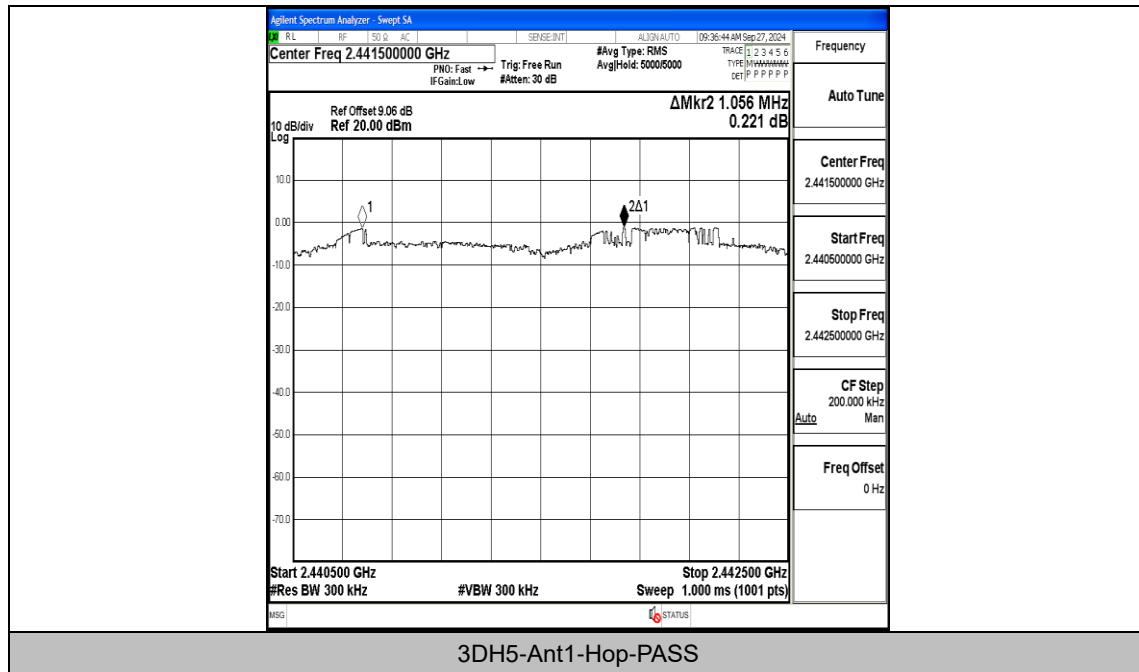
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	0.998	≥ 0.702	PASS
2DH5	Ant1	Hop	0.986	≥ 0.884	PASS
3DH5	Ant1	Hop	1.056	≥ 0.836	PASS

Test Graphs



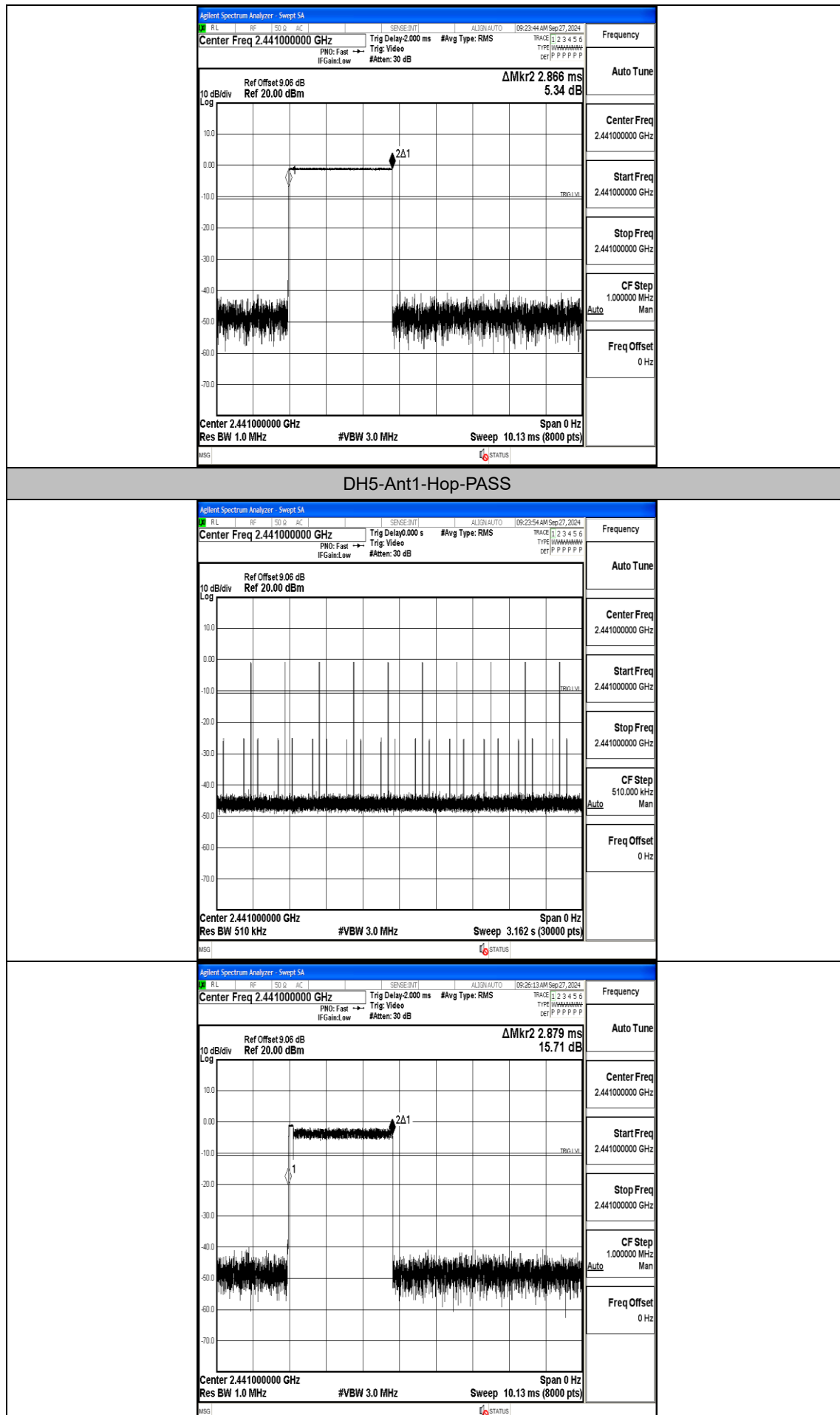


Appendix E: Time of occupancy

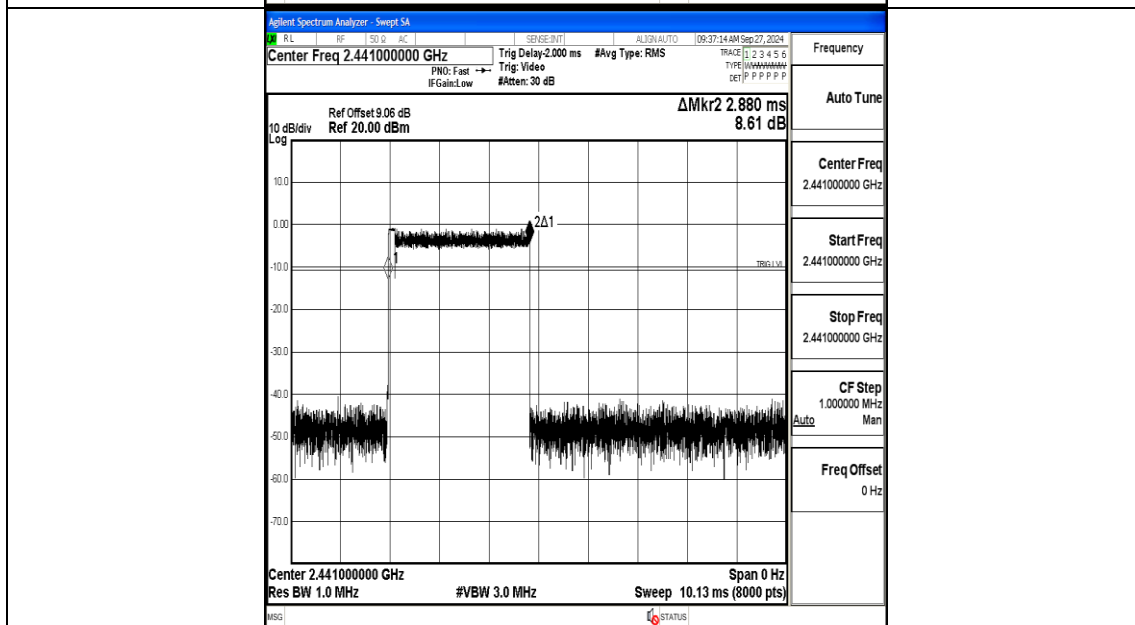
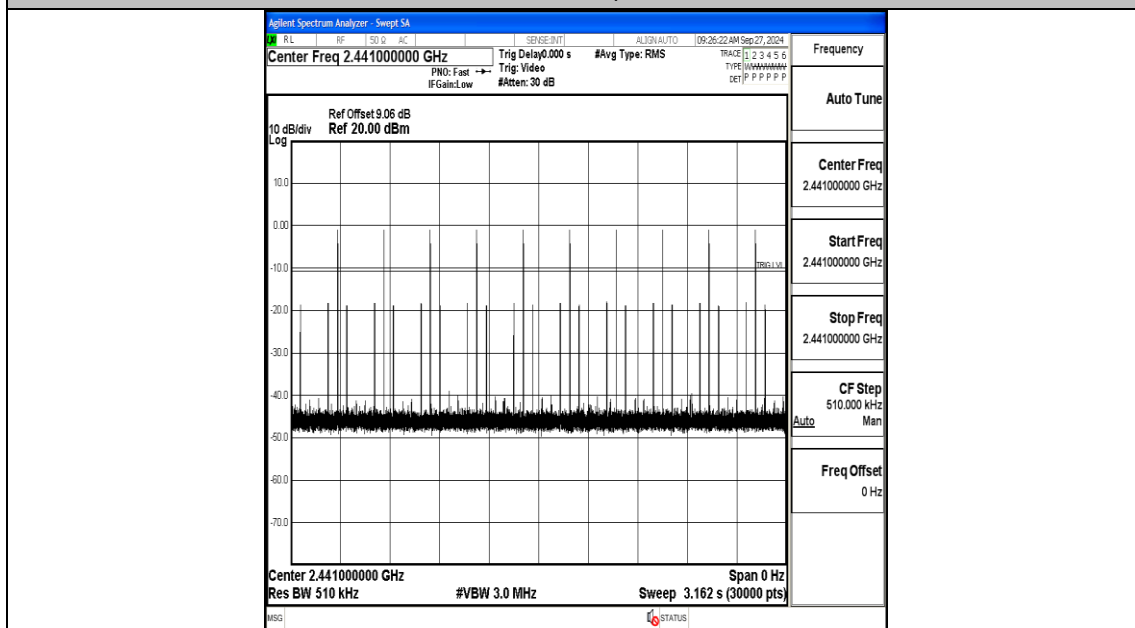
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.866	110	0.315	≤0.4	PASS
2DH5	Ant1	Hop	2.879	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.880	110	0.317	≤0.4	PASS

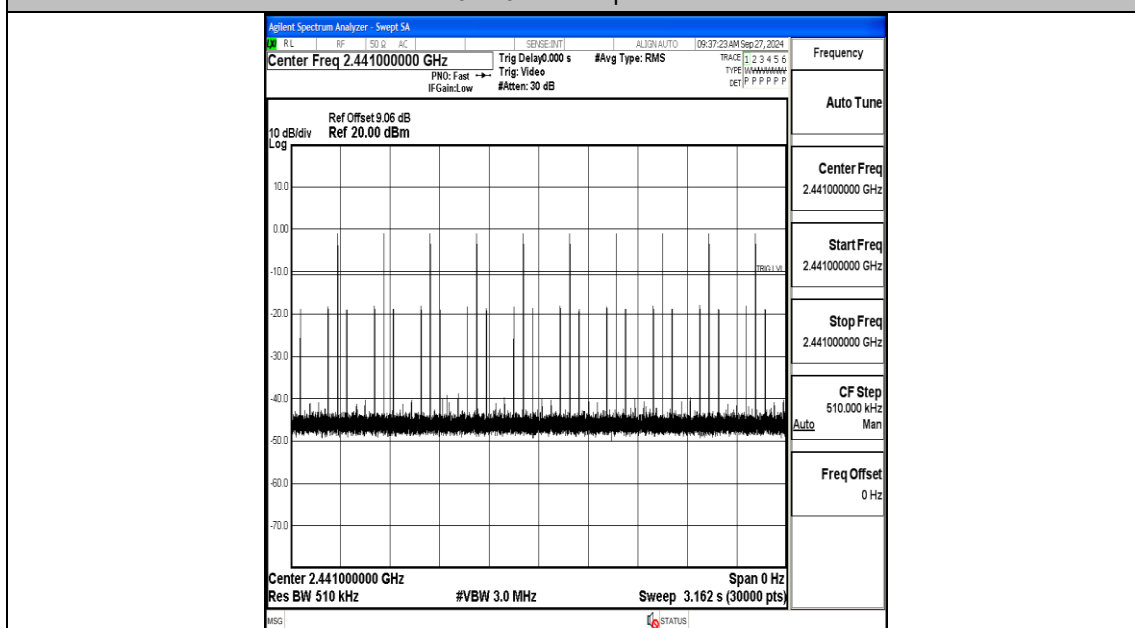
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

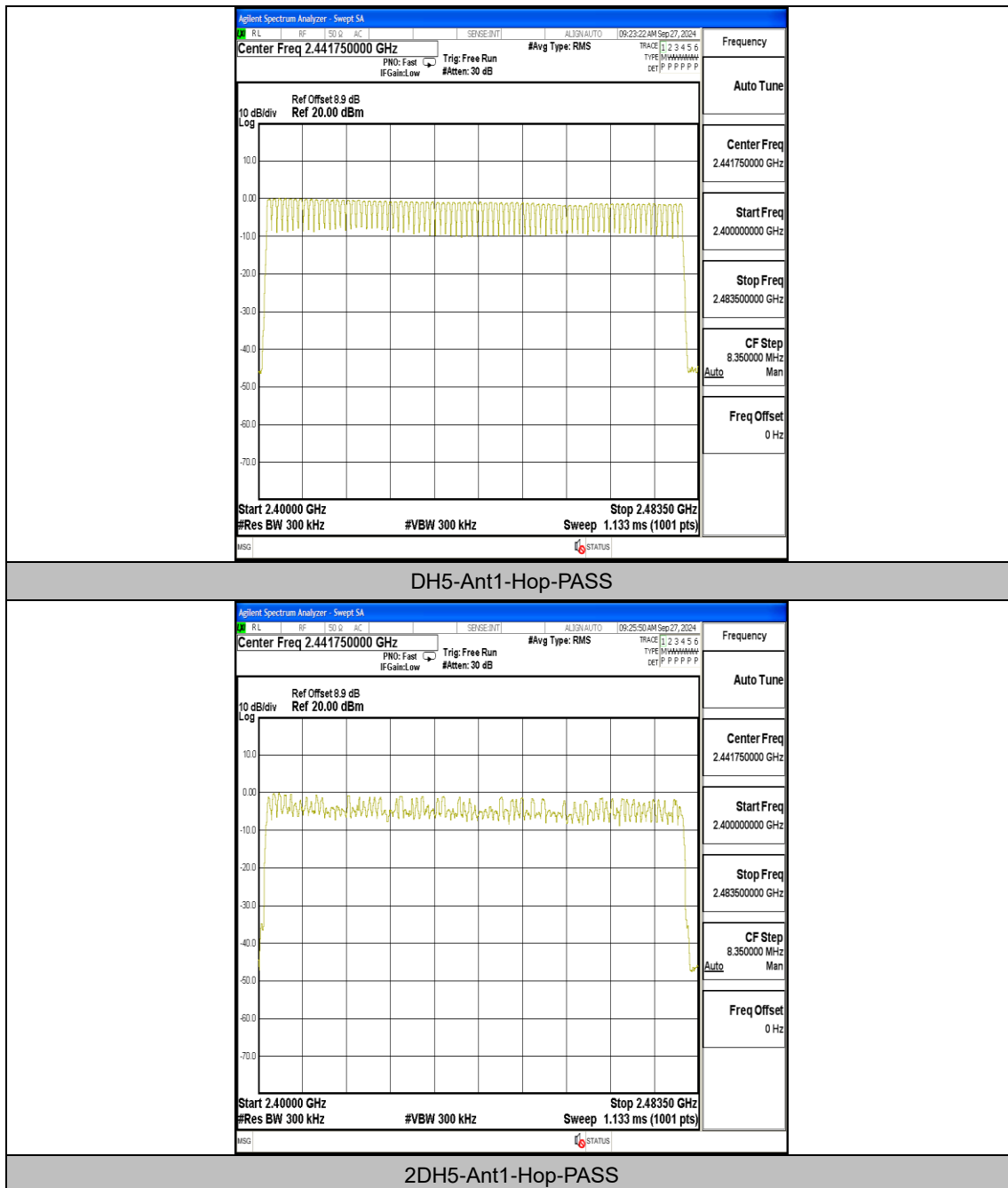


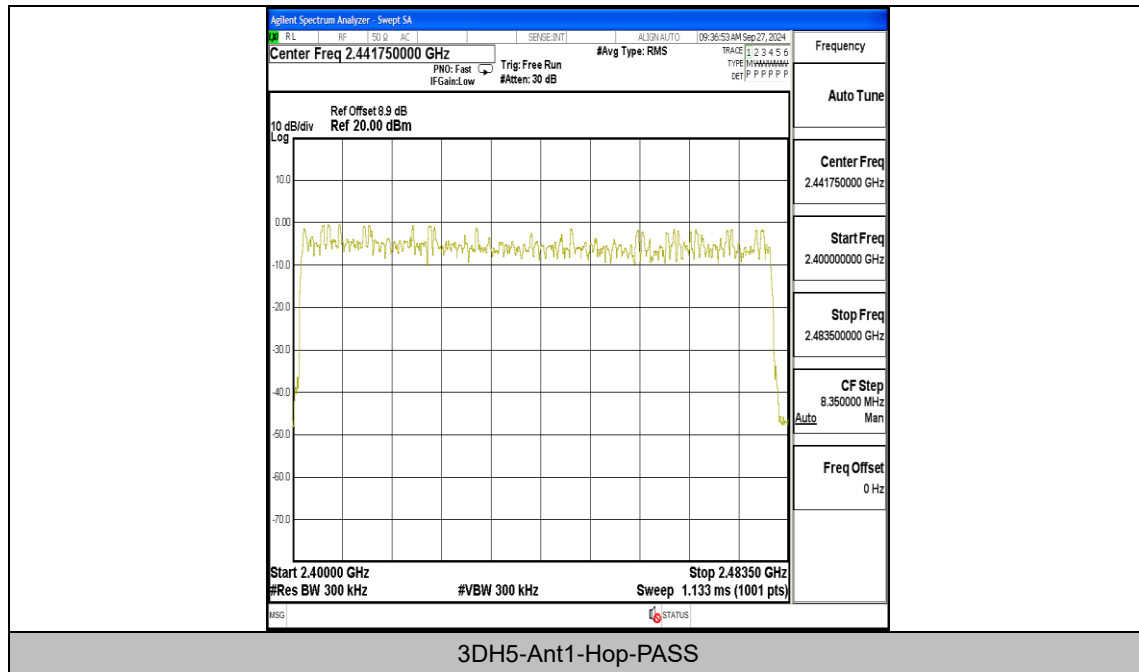
Appendix F: Number of hopping channels

Test Result

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

Test Graphs



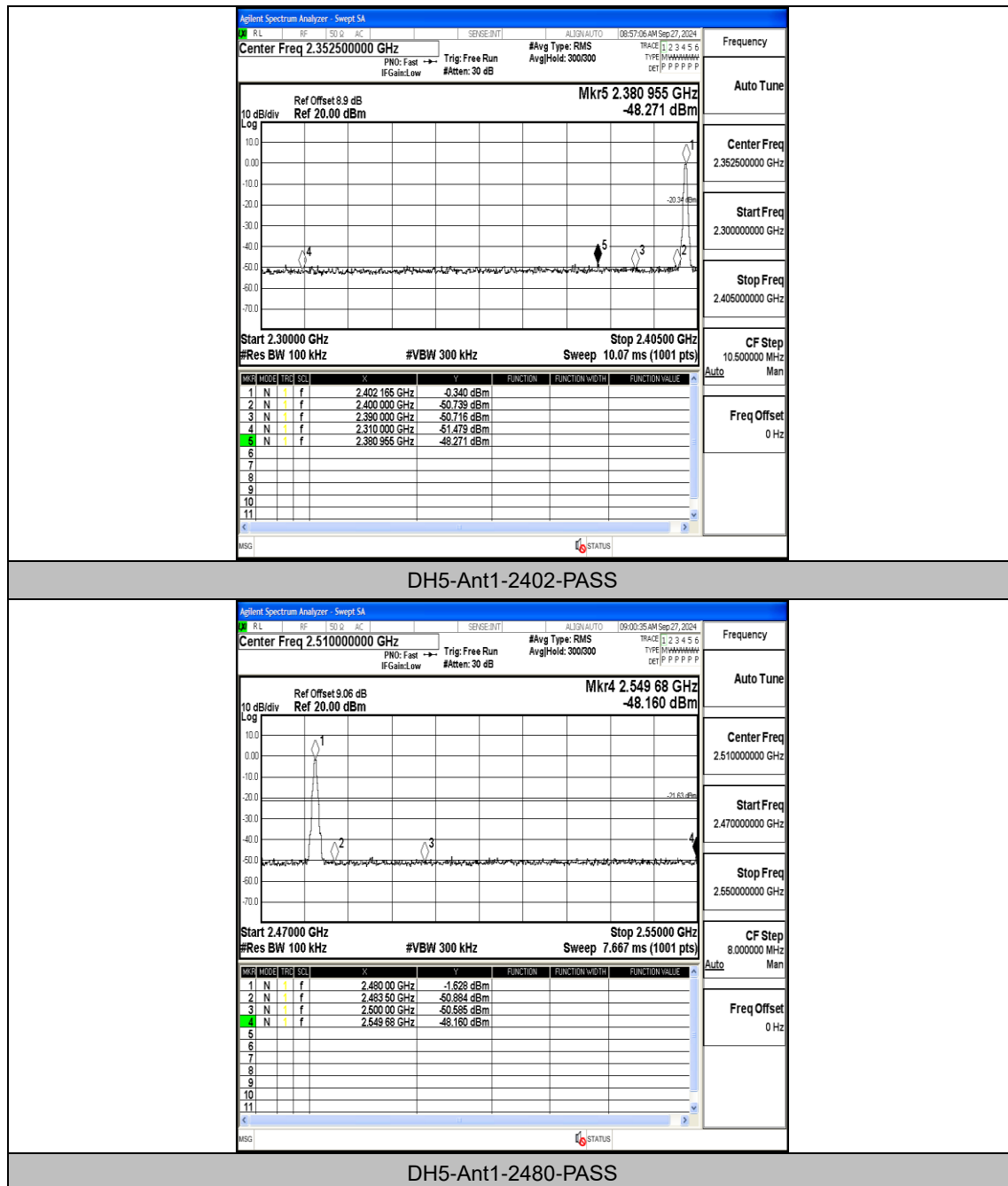


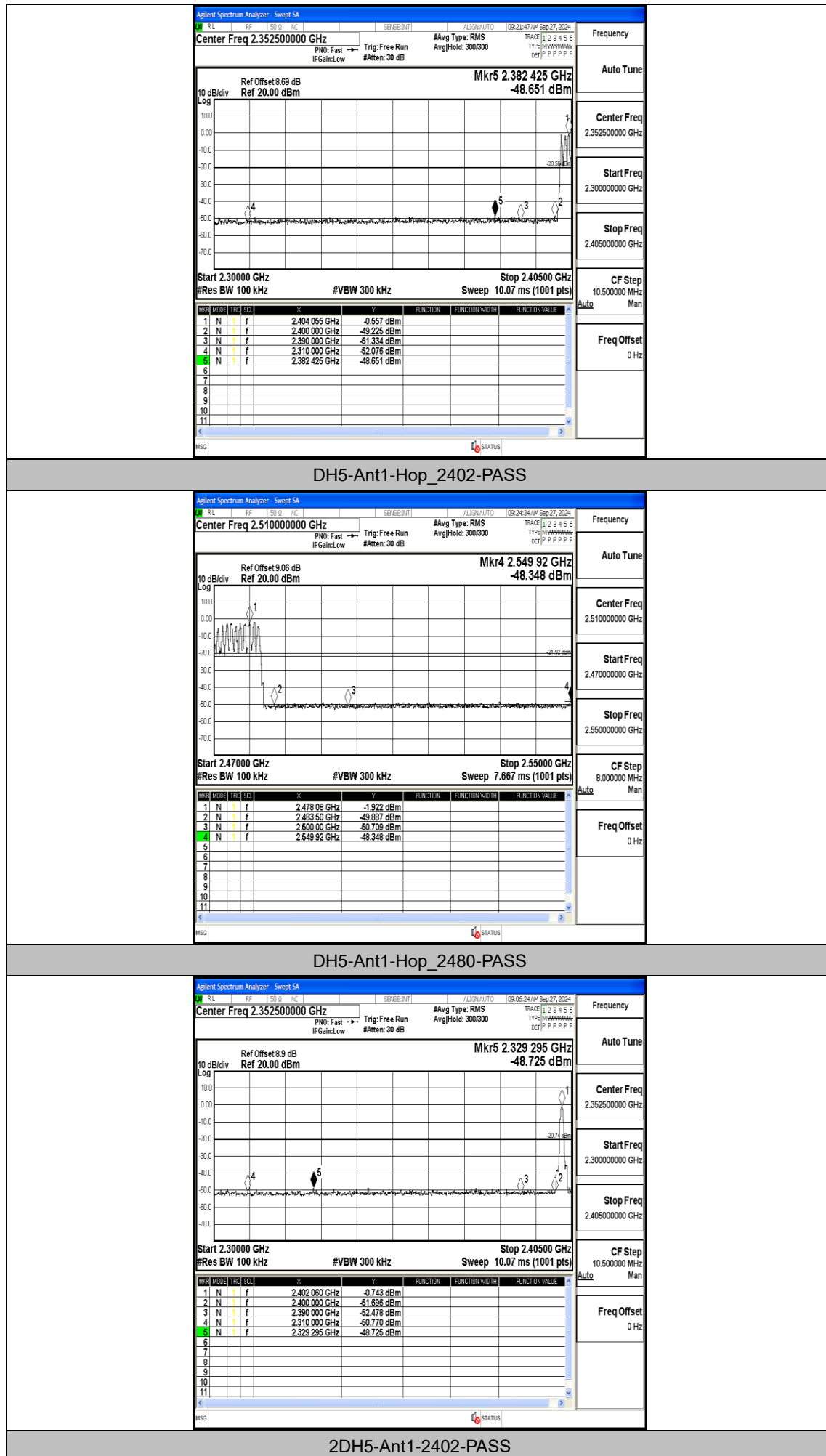
Appendix G: Band edge measurements

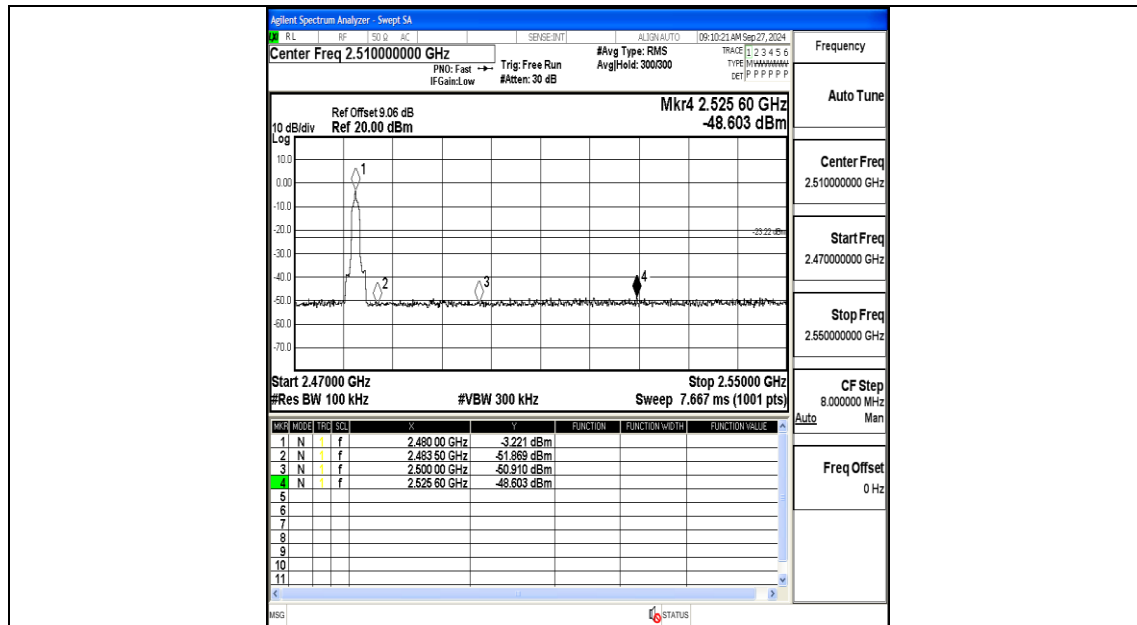
Test Result

Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.34	-48.27	≤ -20.34	PASS
DH5	Ant1	High	2480	-1.63	-48.16	≤ -21.63	PASS
DH5	Ant1	Low	Hop_2402	-0.56	-48.65	≤ -20.56	PASS
DH5	Ant1	High	Hop_2480	-1.92	-48.35	≤ -21.92	PASS
2DH5	Ant1	Low	2402	-0.74	-48.73	≤ -20.74	PASS
2DH5	Ant1	High	2480	-3.22	-48.6	≤ -23.22	PASS
2DH5	Ant1	Low	Hop_2402	-3.83	-49.39	≤ -23.83	PASS
2DH5	Ant1	High	Hop_2480	-5.66	-48.14	≤ -25.66	PASS
3DH5	Ant1	Low	2402	-0.35	-49.24	≤ -20.35	PASS
3DH5	Ant1	High	2480	-1.67	-48	≤ -21.67	PASS
3DH5	Ant1	Low	Hop_2402	-0.51	-49.41	≤ -20.51	PASS
3DH5	Ant1	High	Hop_2480	-4.77	-45.85	≤ -24.77	PASS

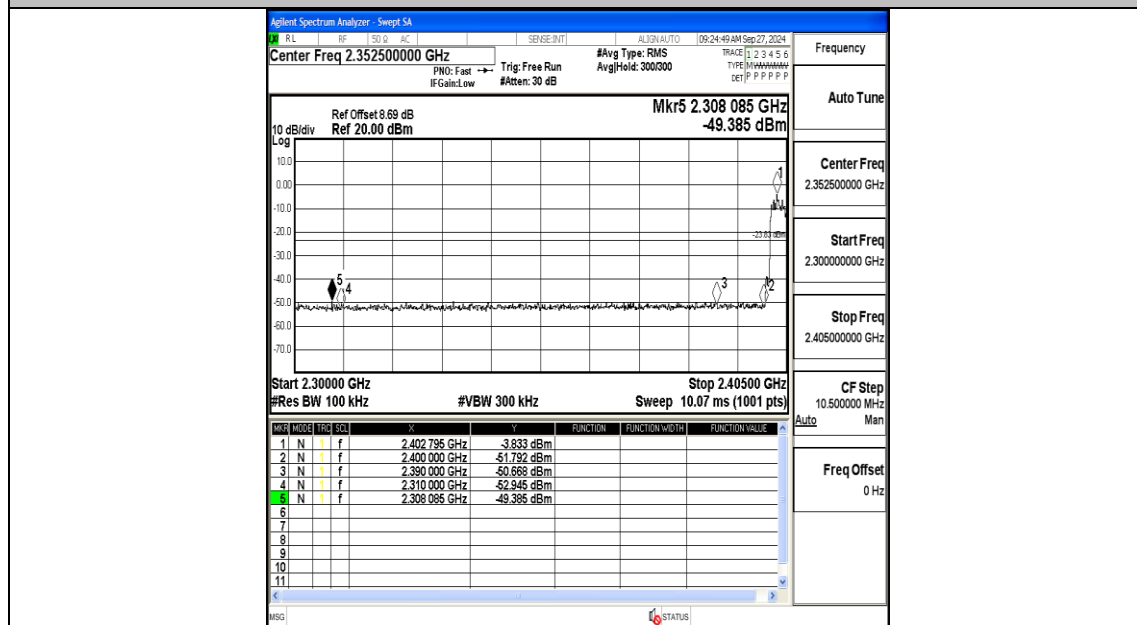
Test Graphs



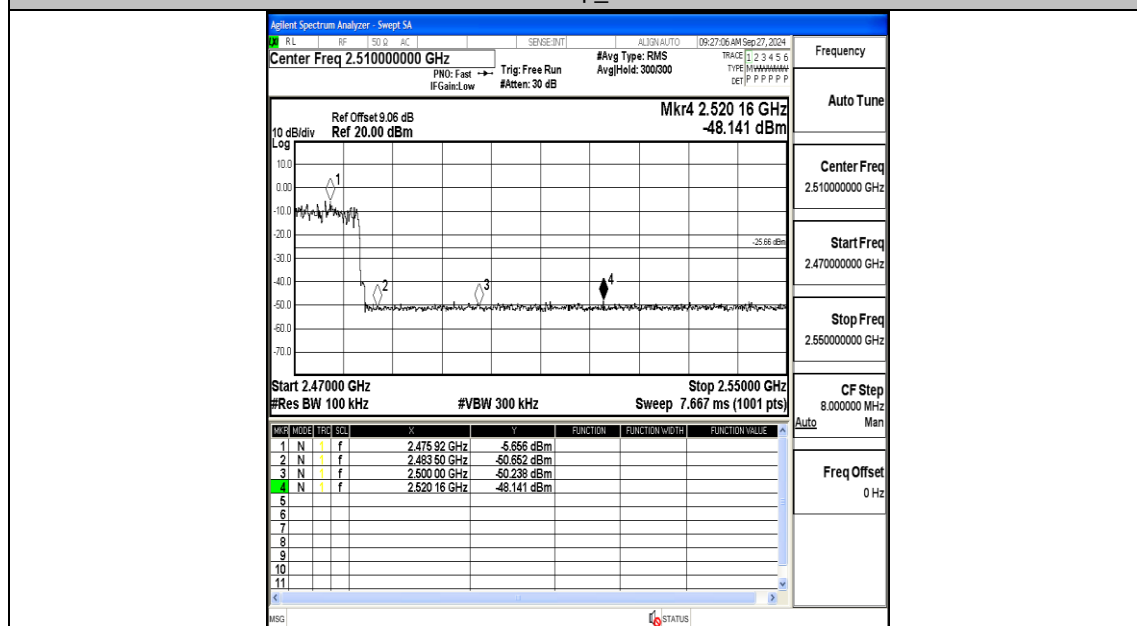




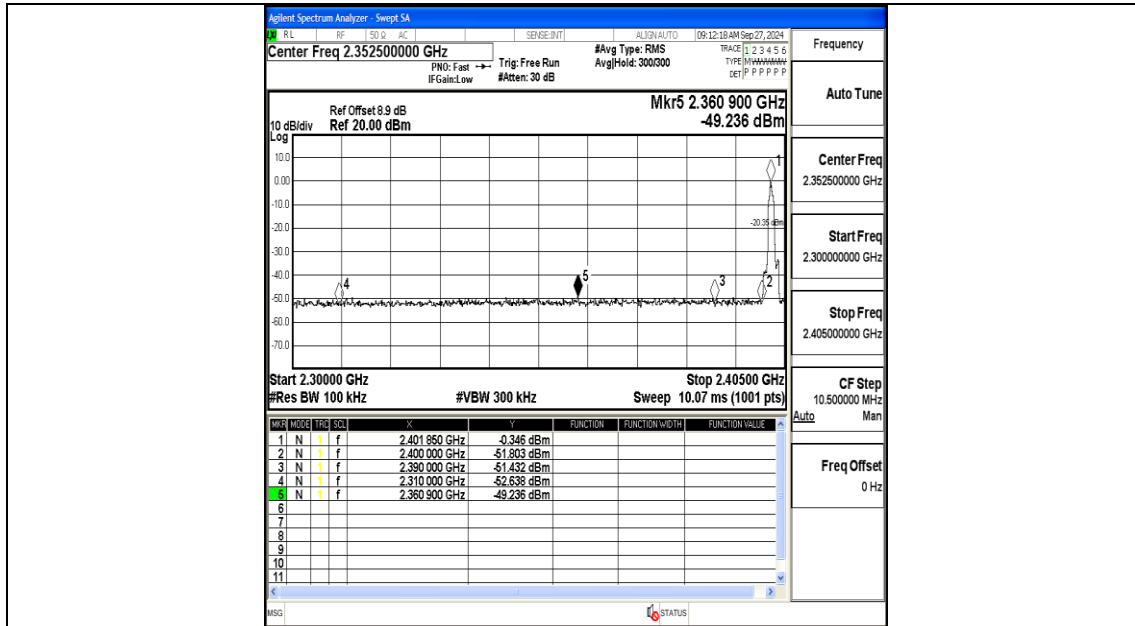
2DH5-Ant1-2480-PASS



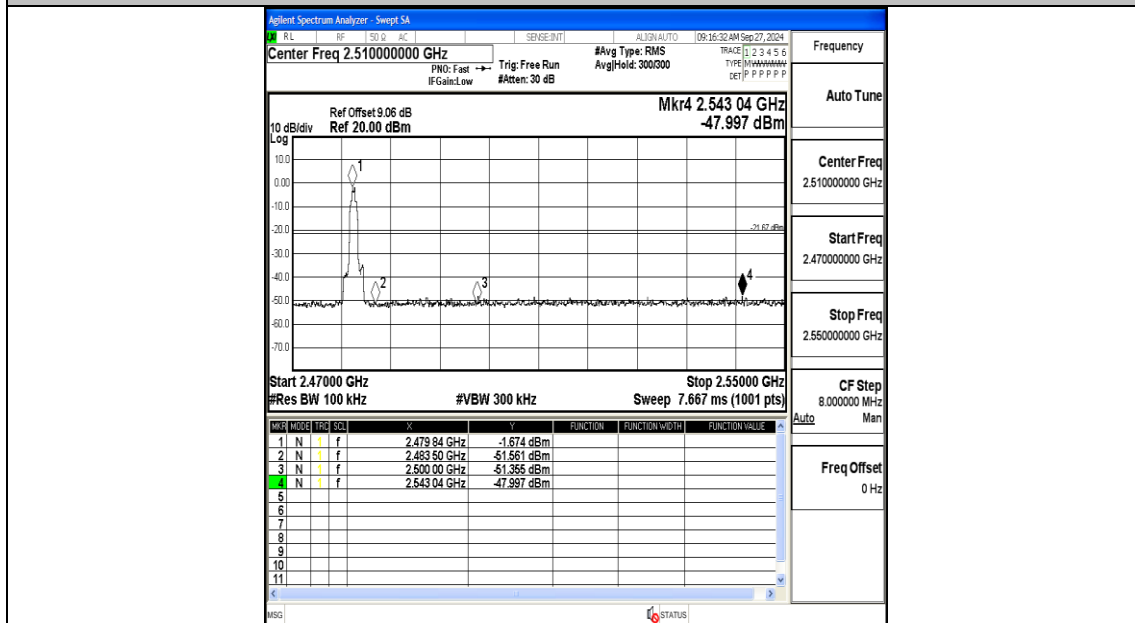
2DH5-Ant1-Hop_2402-PASS



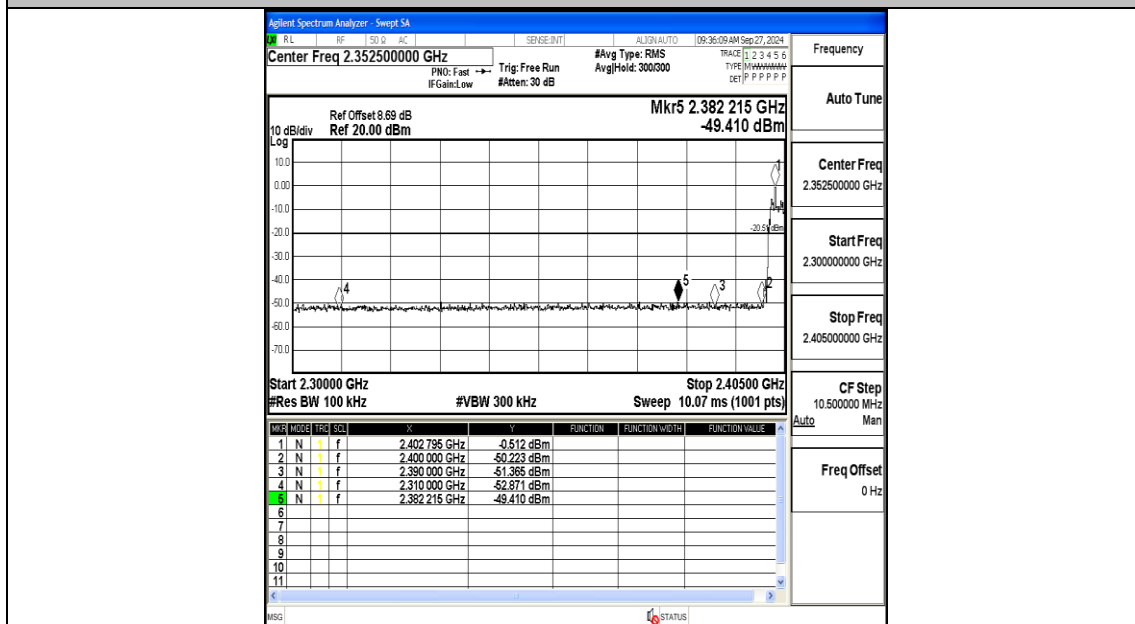
2DH5-Ant1-Hop_2480-PASS



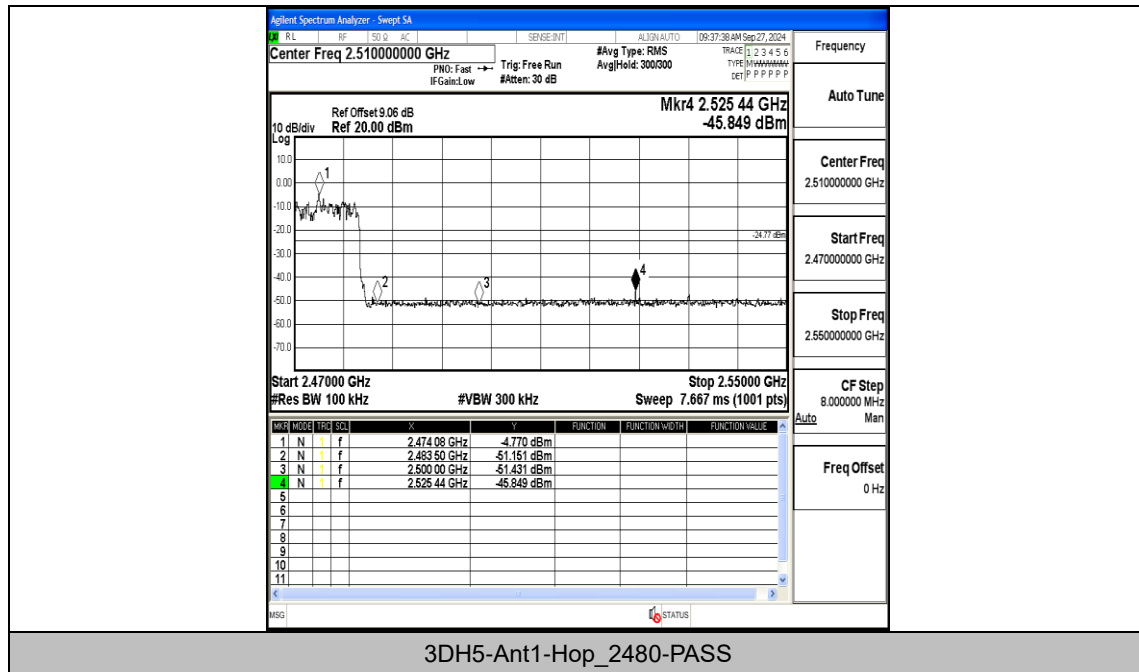
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

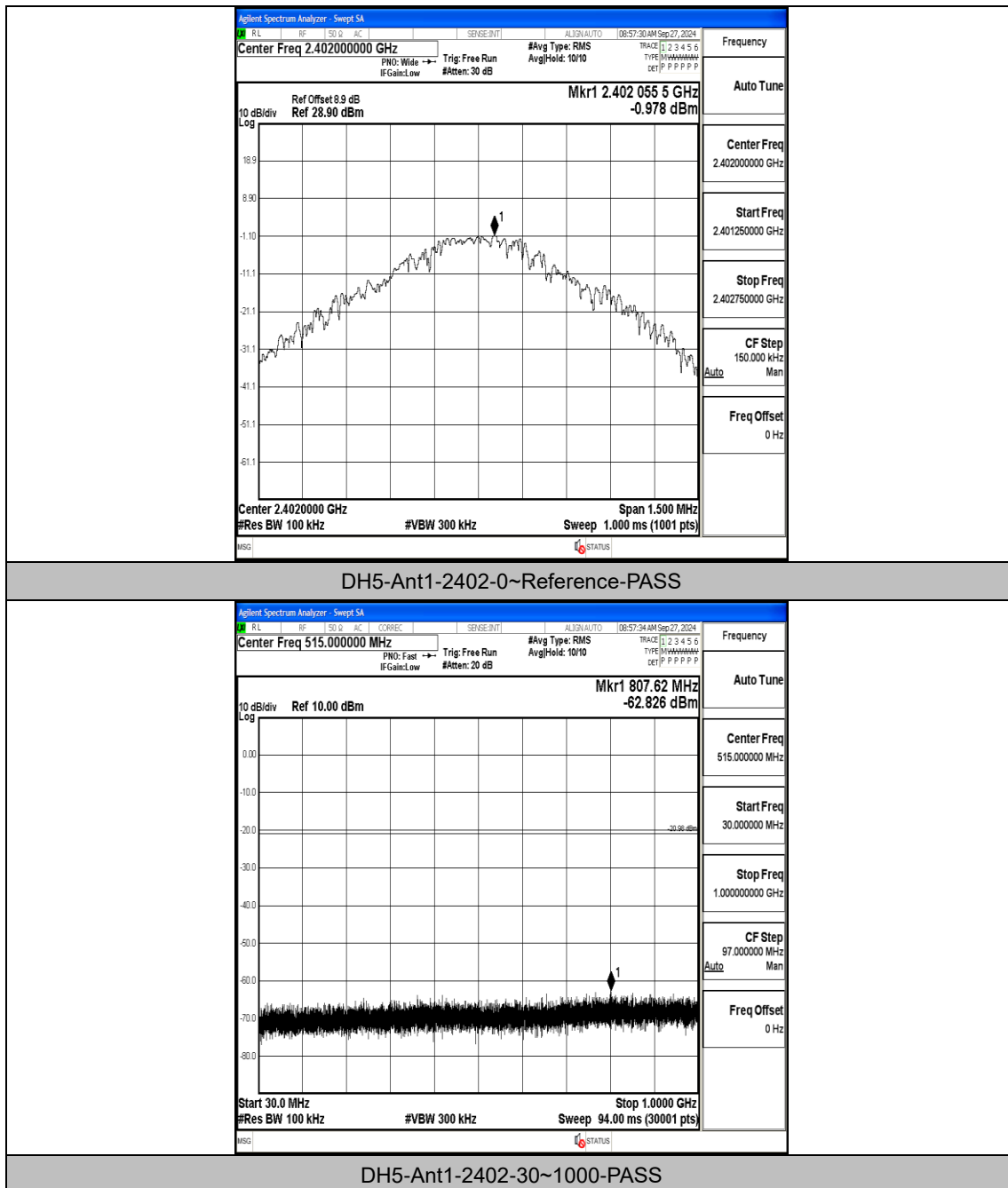


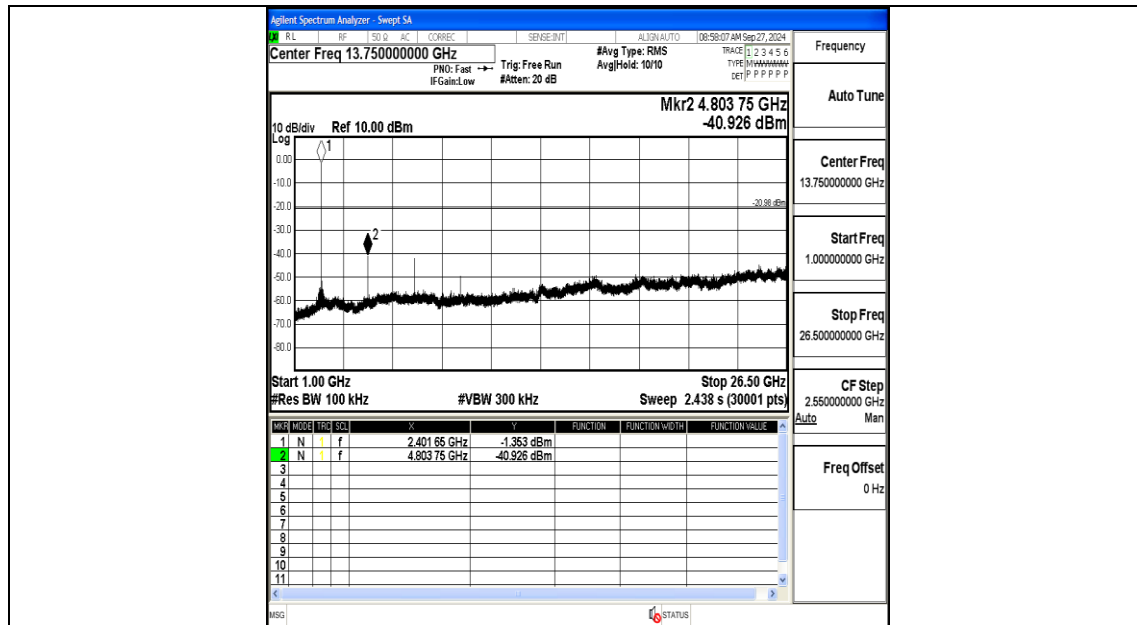
Appendix H: Conducted Spurious Emission

Test Result

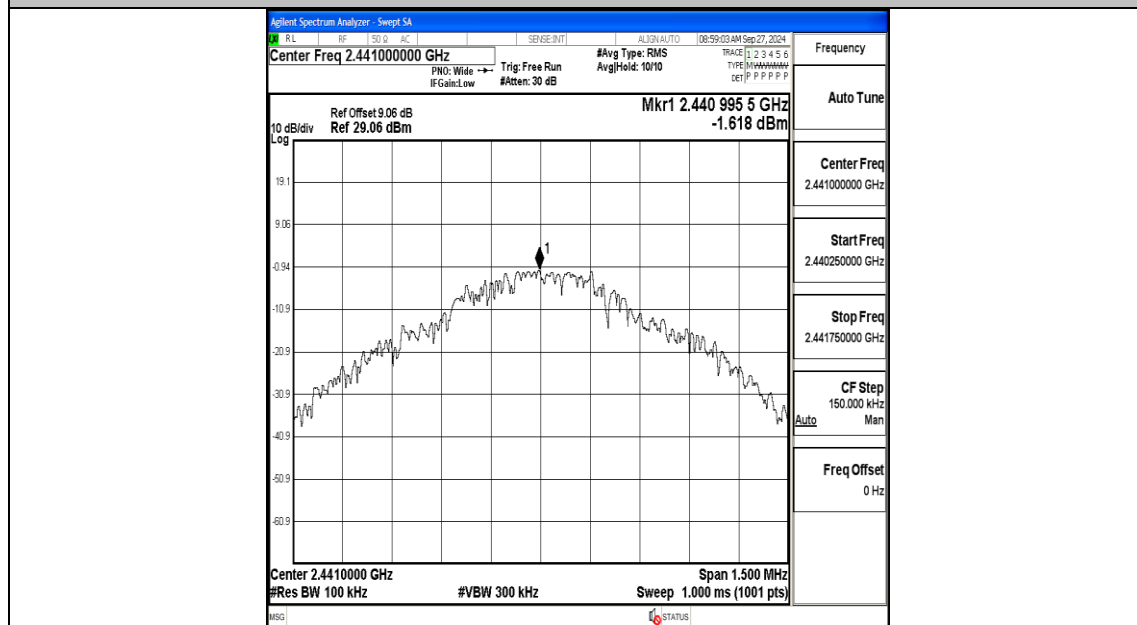
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.98	-0.98	---	PASS
DH5	Ant1	2402	30~1000	-0.98	-62.83	≤-20.98	PASS
DH5	Ant1	2402	1000~26500	-0.98	-40.93	≤-20.98	PASS
DH5	Ant1	2441	0~Reference	-1.62	-1.62	---	PASS
DH5	Ant1	2441	30~1000	-1.62	-62.47	≤-21.62	PASS
DH5	Ant1	2441	1000~26500	-1.62	-37.27	≤-21.62	PASS
DH5	Ant1	2480	0~Reference	-2.62	-2.62	---	PASS
DH5	Ant1	2480	30~1000	-2.62	-62.97	≤-22.62	PASS
DH5	Ant1	2480	1000~26500	-2.62	-34.02	≤-22.62	PASS
2DH5	Ant1	2402	0~Reference	-1.21	-1.21	---	PASS
2DH5	Ant1	2402	30~1000	-1.21	-61.62	≤-21.21	PASS
2DH5	Ant1	2402	1000~26500	-1.21	-41.6	≤-21.21	PASS
2DH5	Ant1	2441	0~Reference	-7.10	-7.10	---	PASS
2DH5	Ant1	2441	30~1000	-7.10	-63.14	≤-27.1	PASS
2DH5	Ant1	2441	1000~26500	-7.10	-42.25	≤-27.1	PASS
2DH5	Ant1	2480	0~Reference	-2.91	-2.91	---	PASS
2DH5	Ant1	2480	30~1000	-2.91	-62.67	≤-22.91	PASS
2DH5	Ant1	2480	1000~26500	-2.91	-40.87	≤-22.91	PASS
3DH5	Ant1	2402	0~Reference	-6.46	-6.46	---	PASS
3DH5	Ant1	2402	30~1000	-6.46	-62.73	≤-26.46	PASS
3DH5	Ant1	2402	1000~26500	-6.46	-39.16	≤-26.46	PASS
3DH5	Ant1	2441	0~Reference	-6.53	-6.53	---	PASS
3DH5	Ant1	2441	30~1000	-6.53	-62.67	≤-26.53	PASS
3DH5	Ant1	2441	1000~26500	-6.53	-44.36	≤-26.53	PASS
3DH5	Ant1	2480	0~Reference	-2.93	-2.93	---	PASS
3DH5	Ant1	2480	30~1000	-2.93	-62.32	≤-22.93	PASS
3DH5	Ant1	2480	1000~26500	-2.93	-39.85	≤-22.93	PASS

Test Graphs

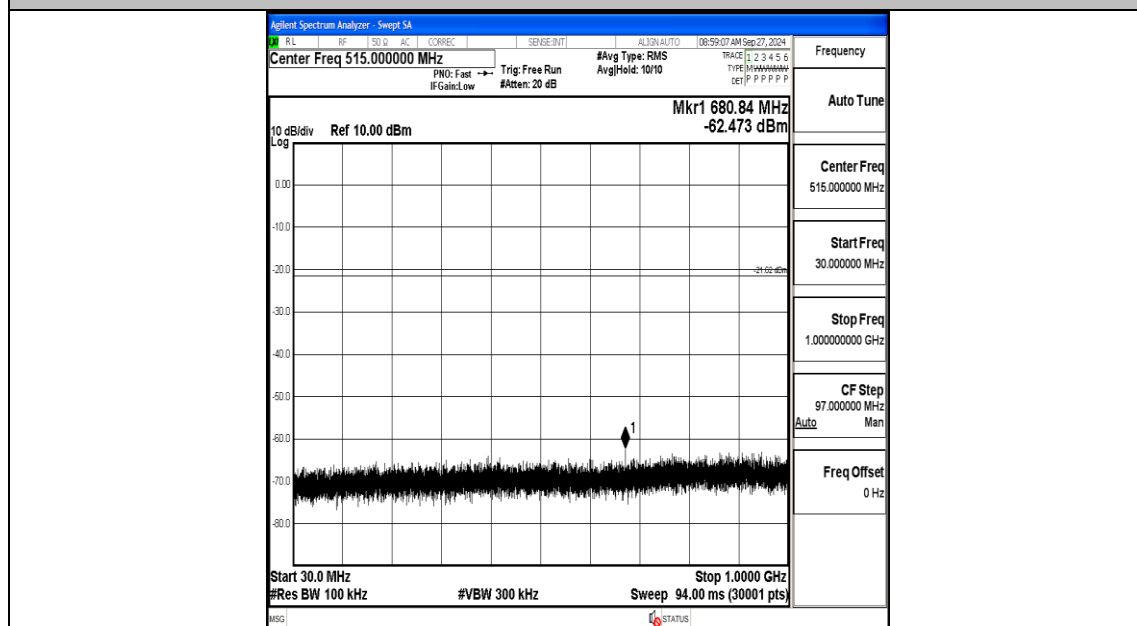




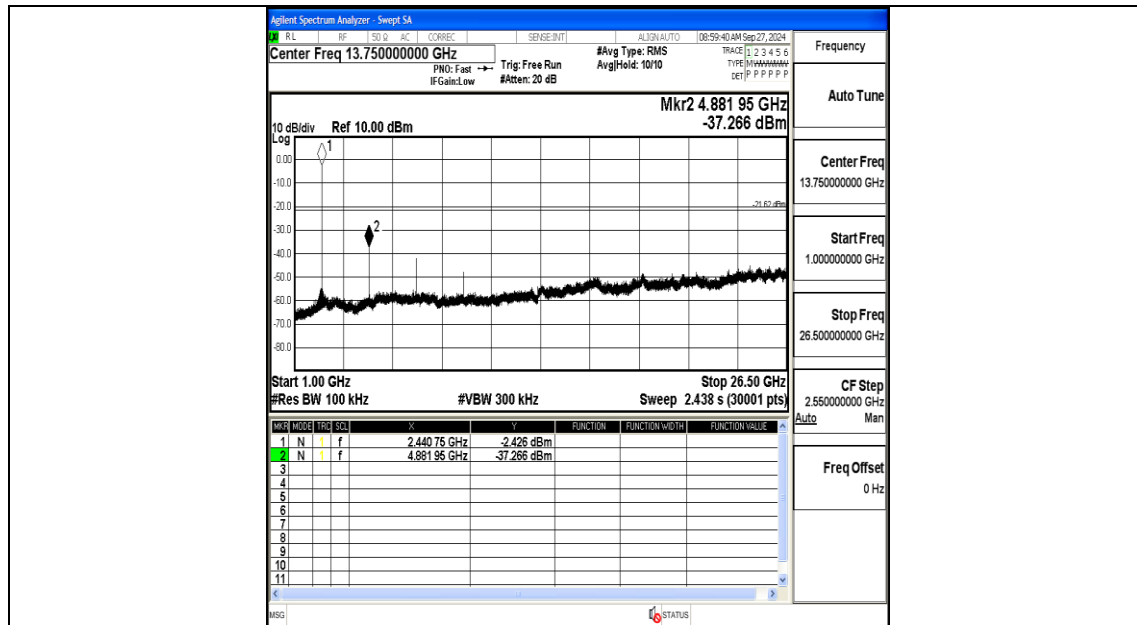
DH5-Ant1-2402-1000~26500-PASS



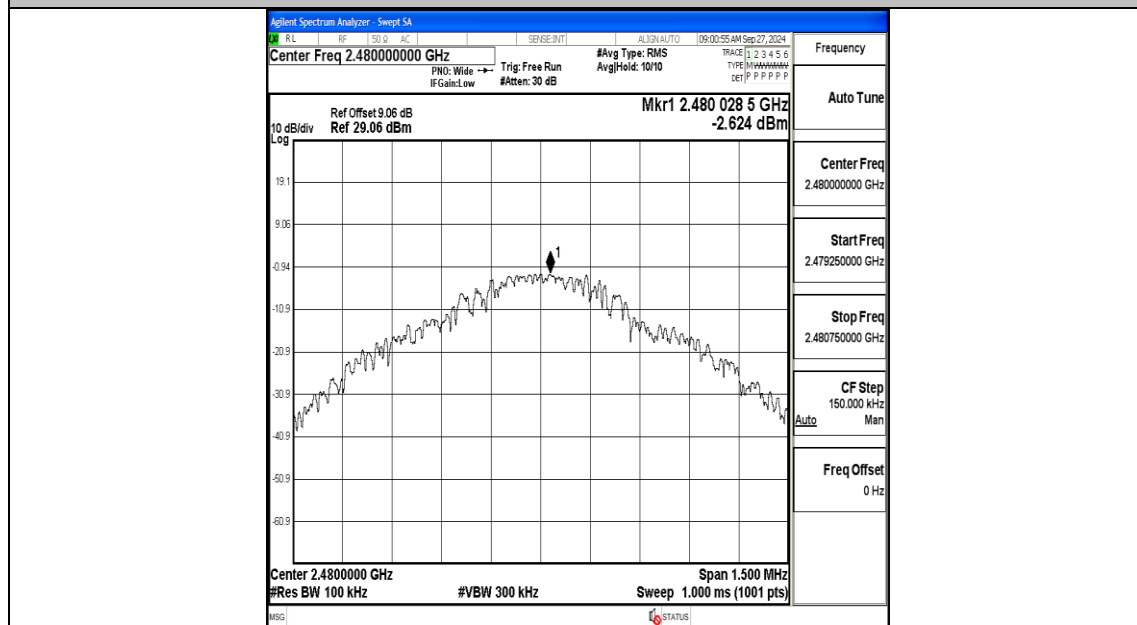
DH5-Ant1-2441-0~Reference-PASS



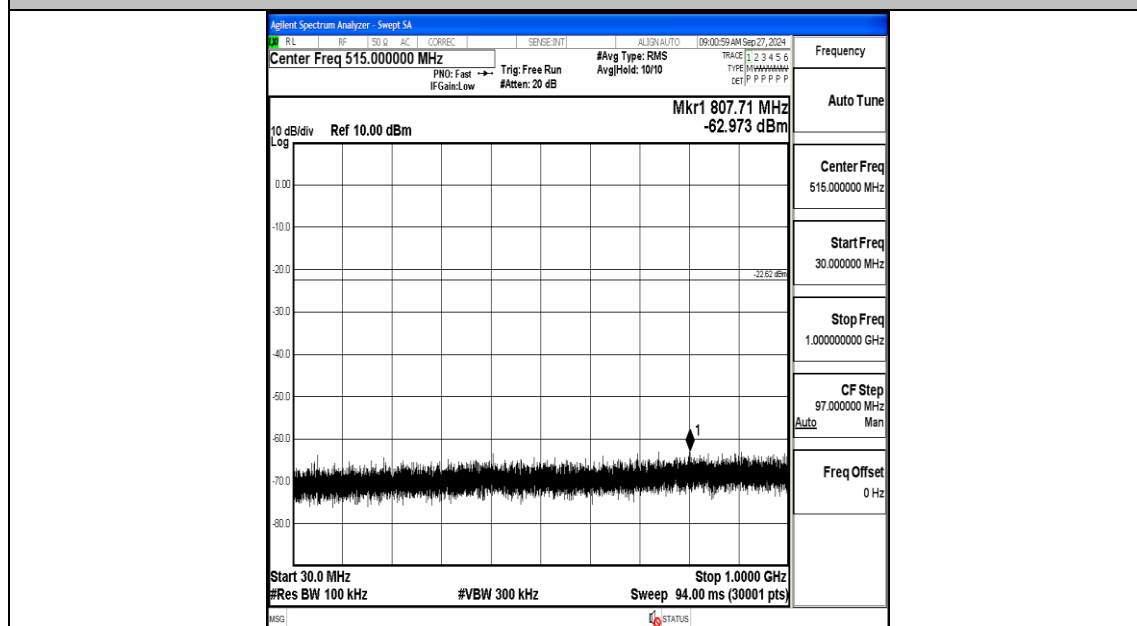
DH5-Ant1-2441-30~1000-PASS



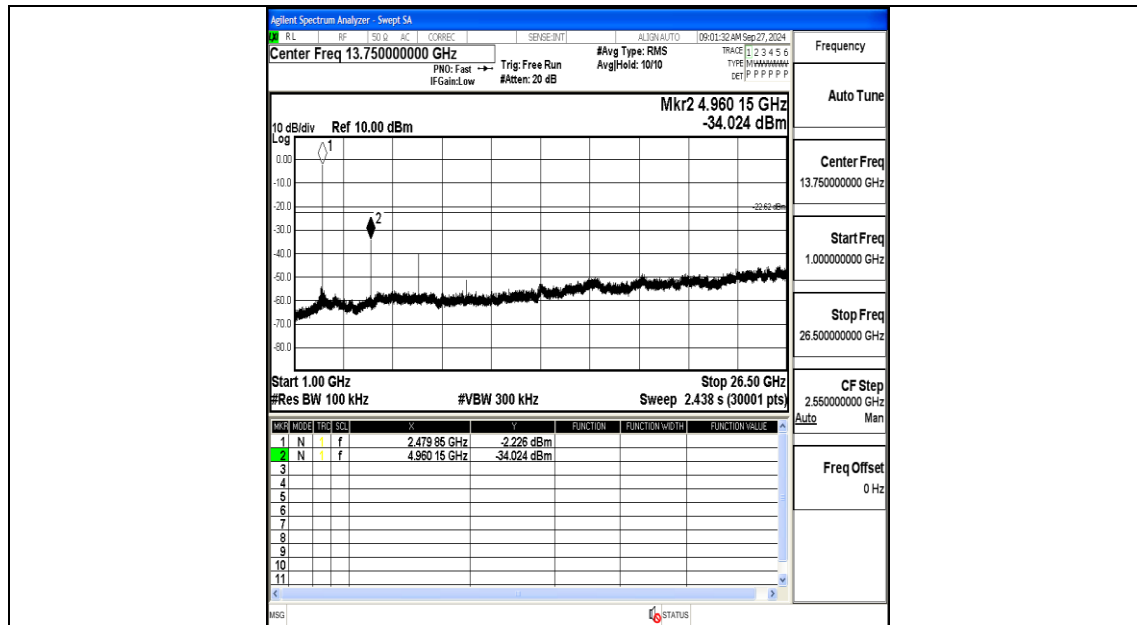
DH5-Ant1-2441-1000~26500-PASS



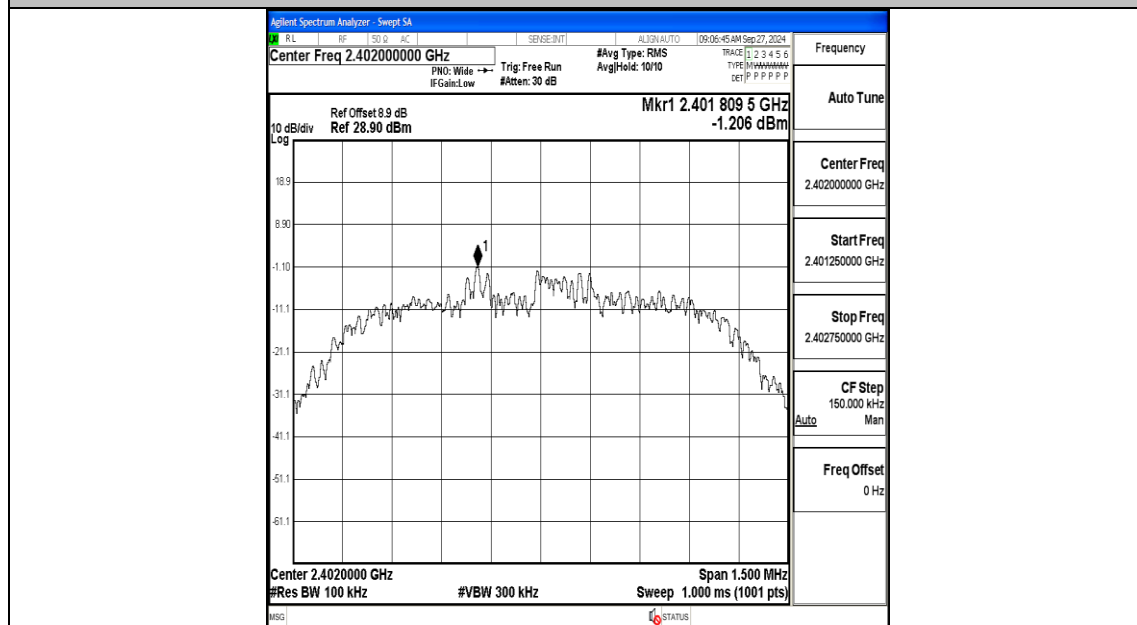
DH5-Ant1-2480-0~Reference-PASS



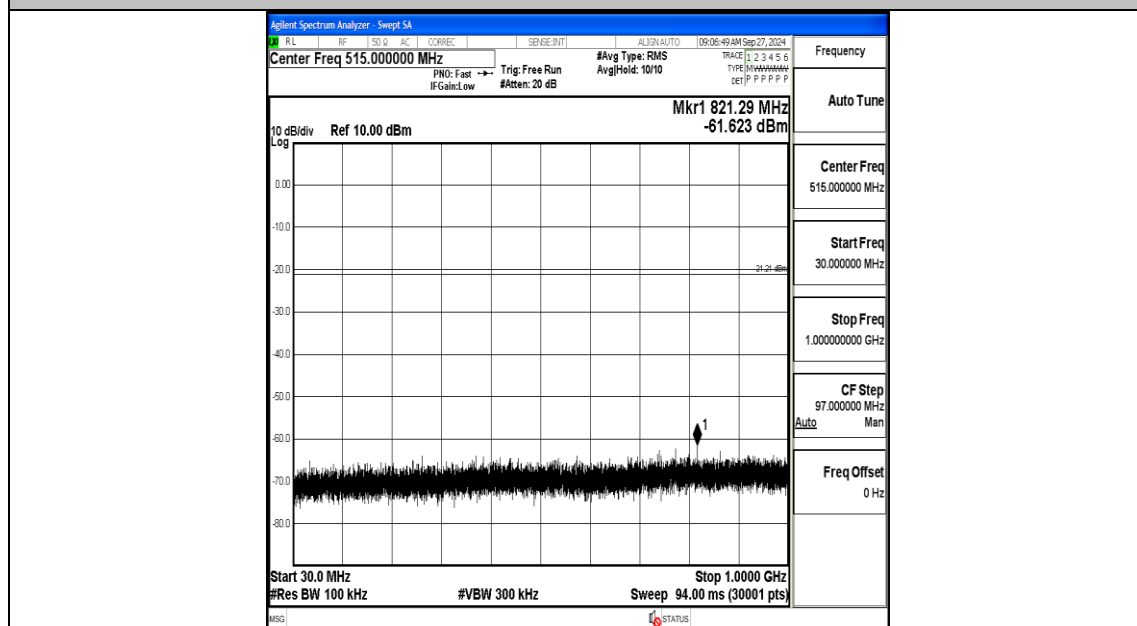
DH5-Ant1-2480-30~1000-PASS



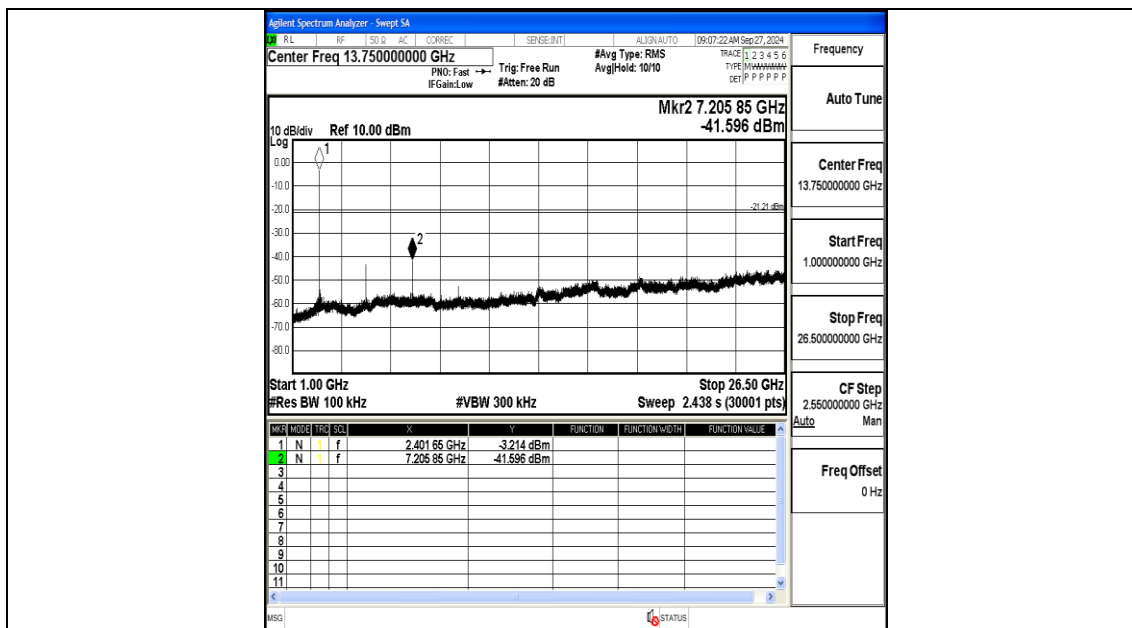
DH5-Ant1-2480-1000~26500-PASS



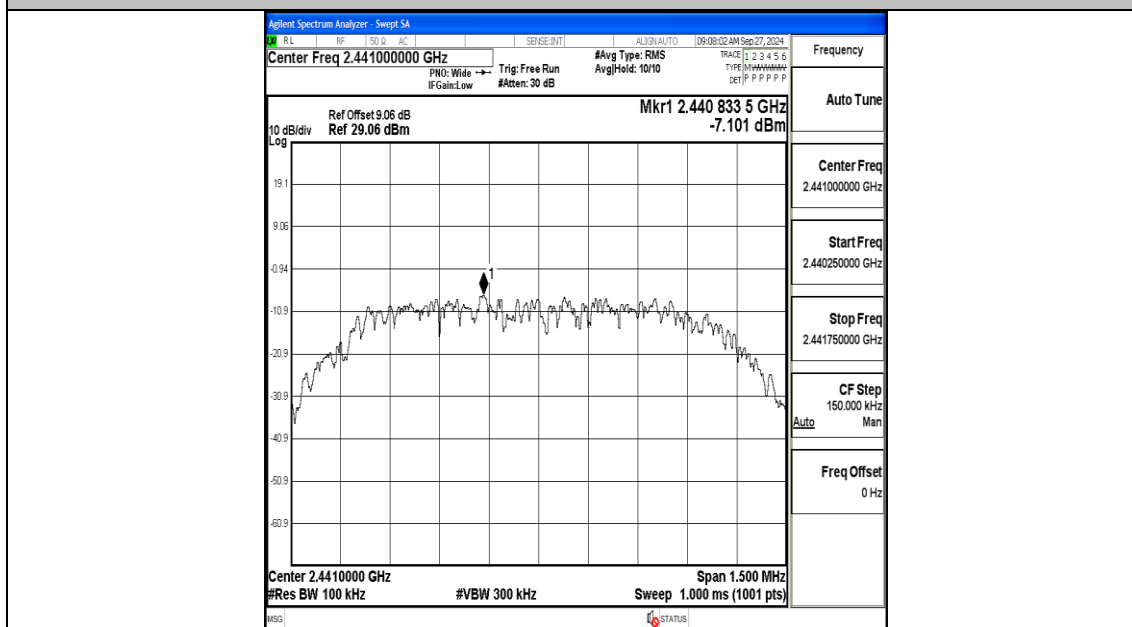
2DH5-Ant1-2402-0~Reference-PASS



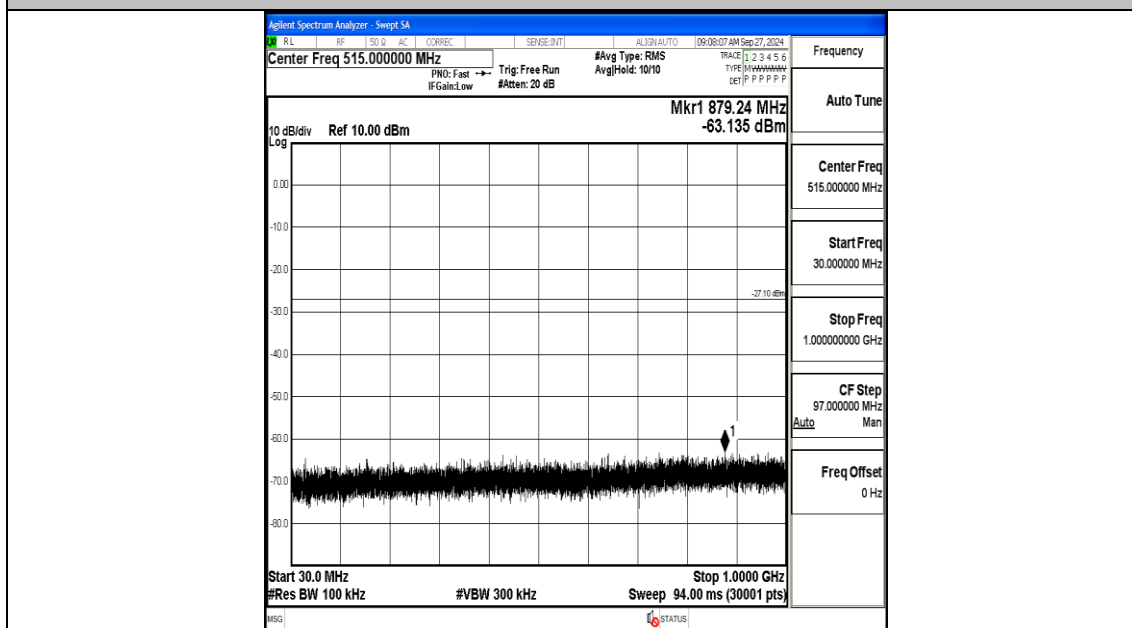
2DH5-Ant1-2402-30~1000-PASS



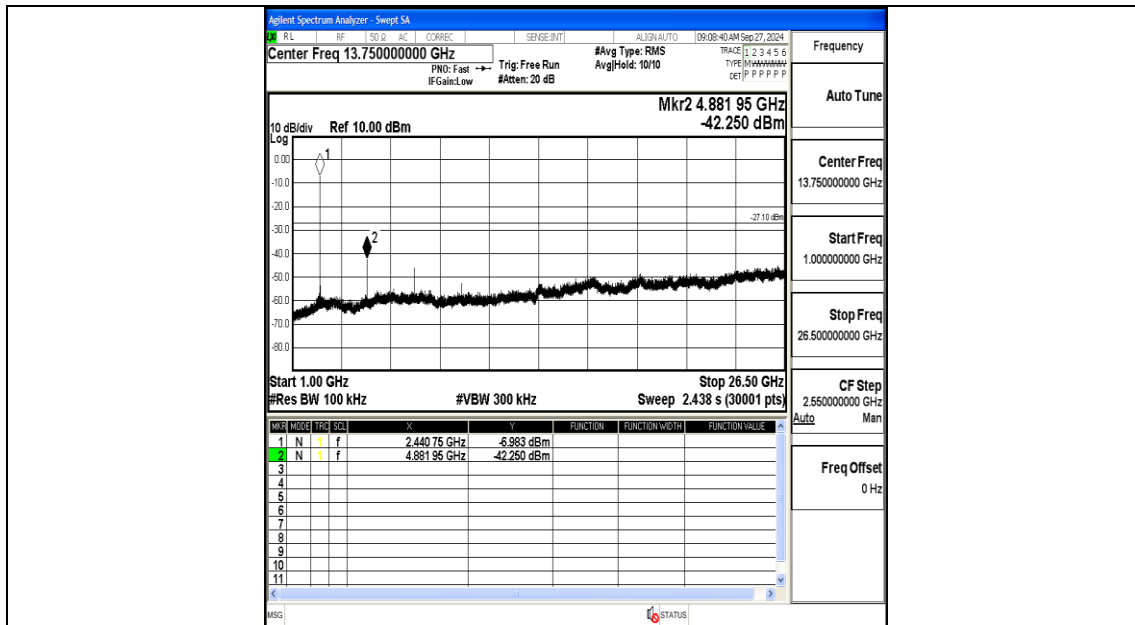
2DH5-Ant1-2402-1000~26500-PASS



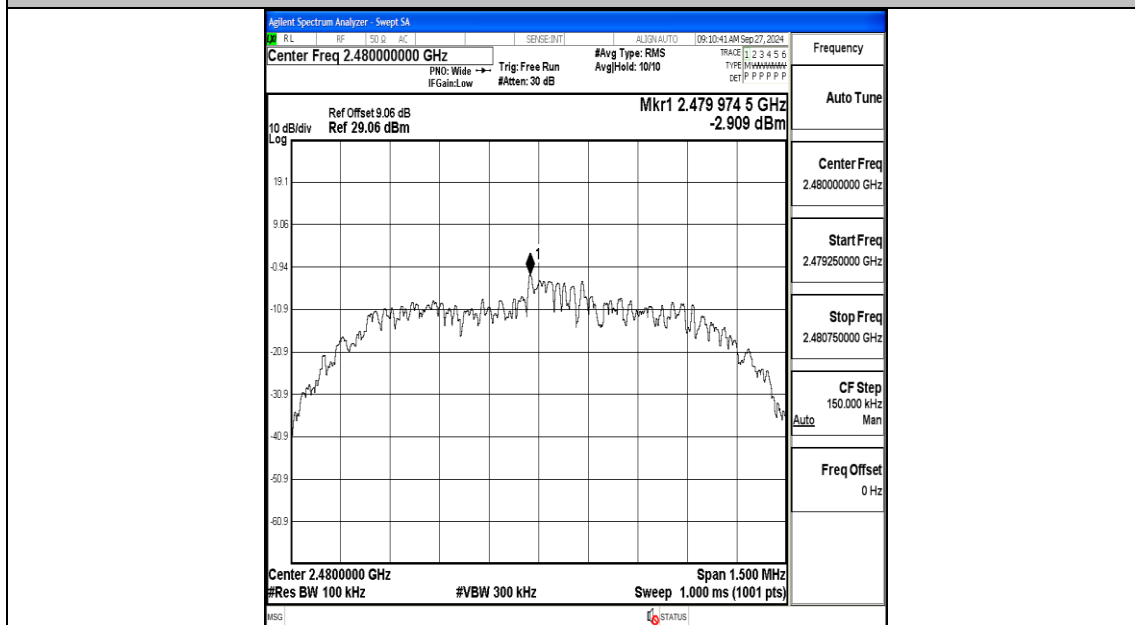
2DH5-Ant1-2441-0~Reference-PASS



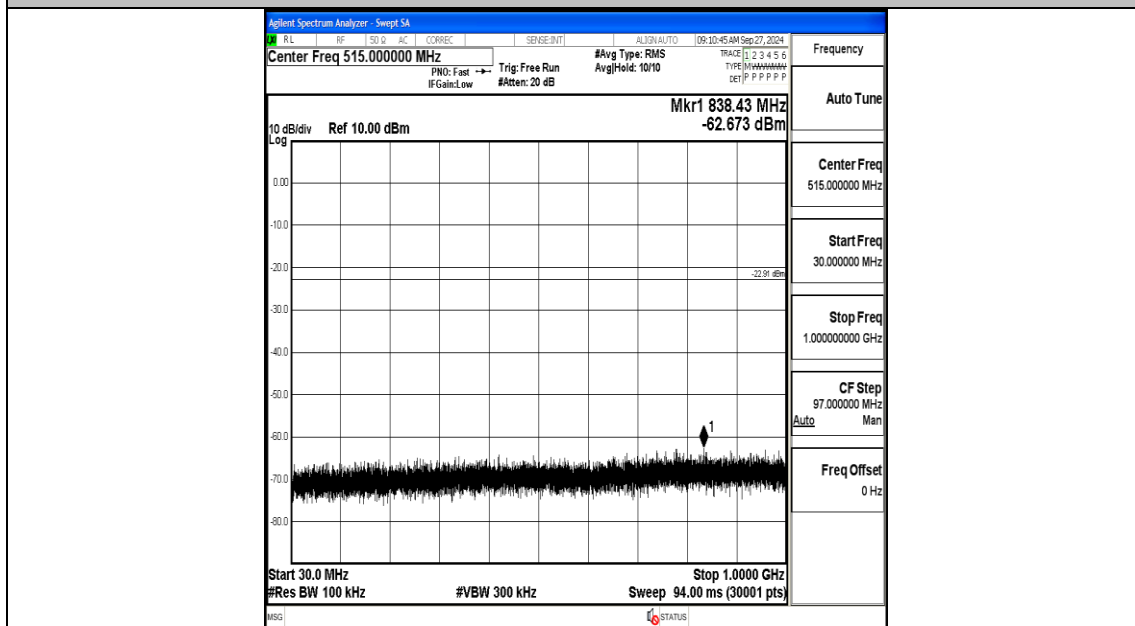
2DH5-Ant1-2441-30~1000-PASS



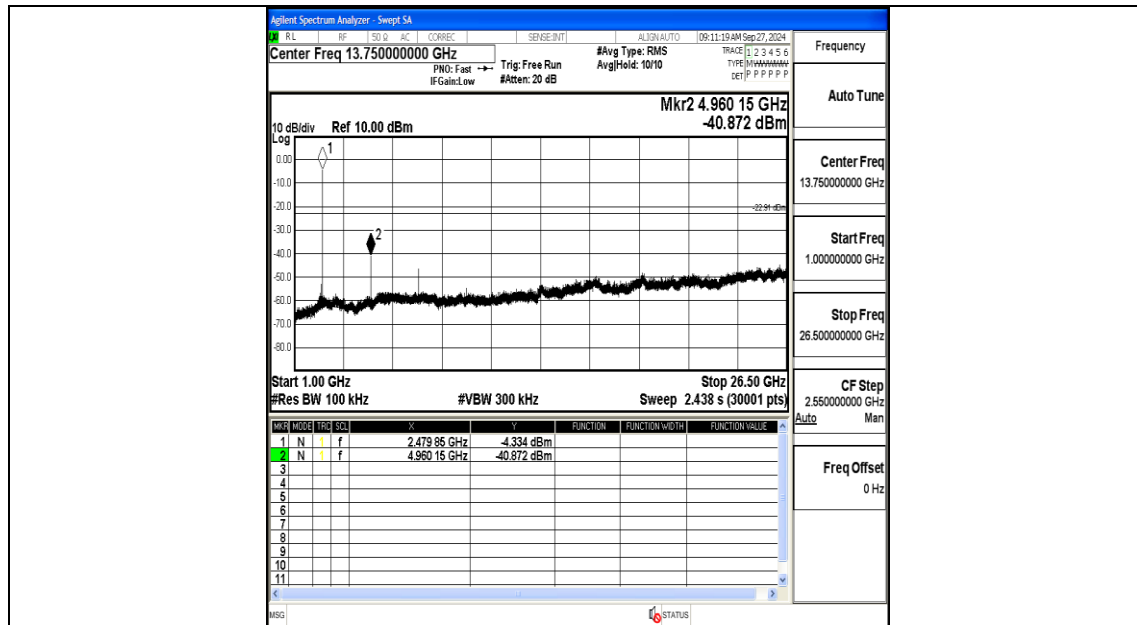
2DH5-Ant1-2441-1000~26500-PASS



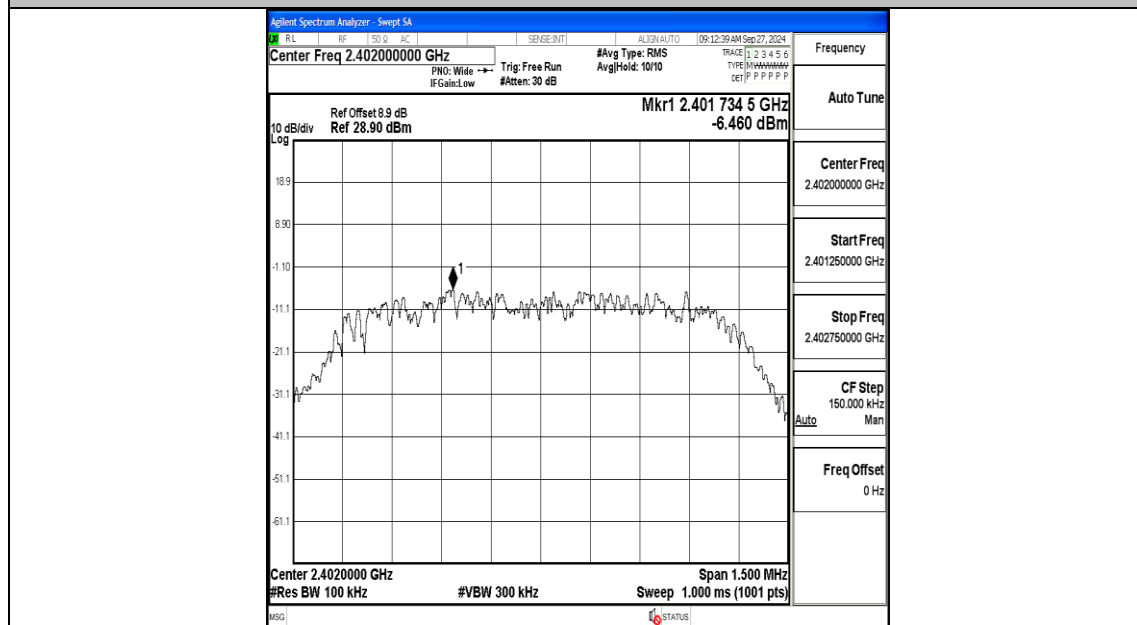
2DH5-Ant1-2480-0~Reference-PASS



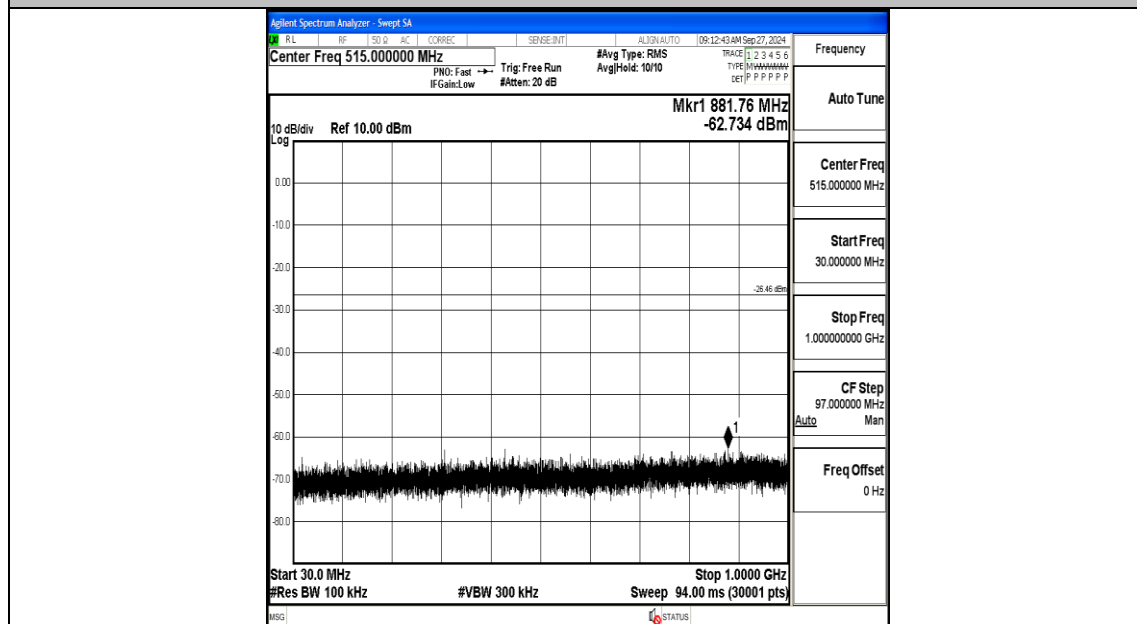
2DH5-Ant1-2480-30~1000-PASS



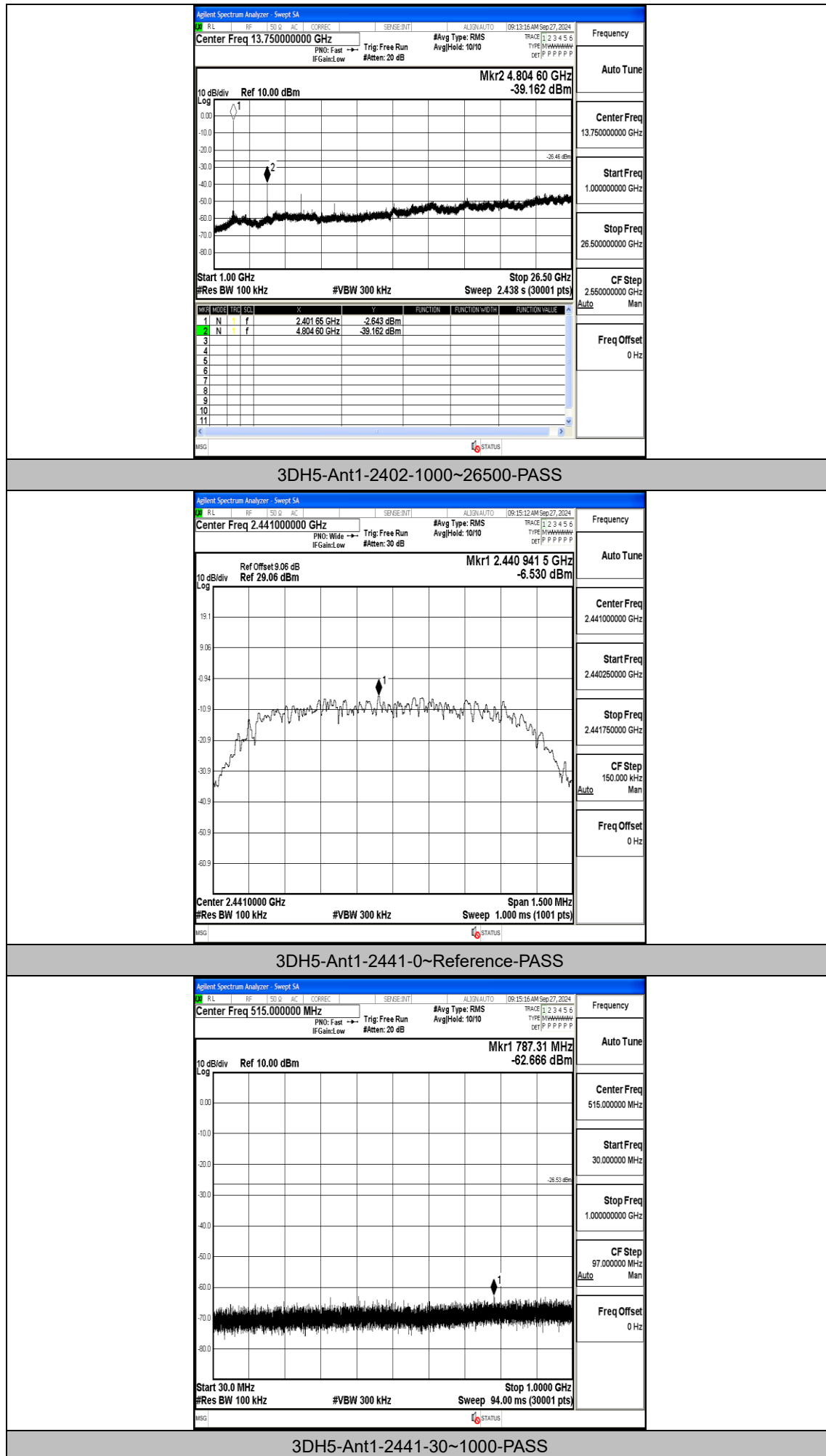
2DH5-Ant1-2480-1000~26500-PASS

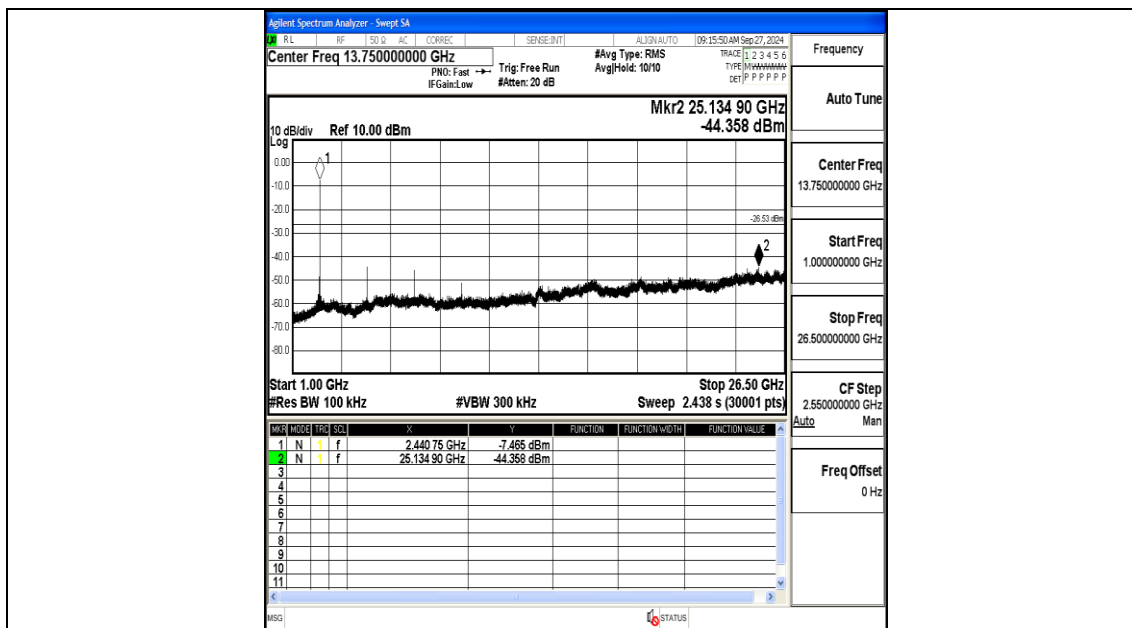


3DH5-Ant1-2402-0~Reference-PASS

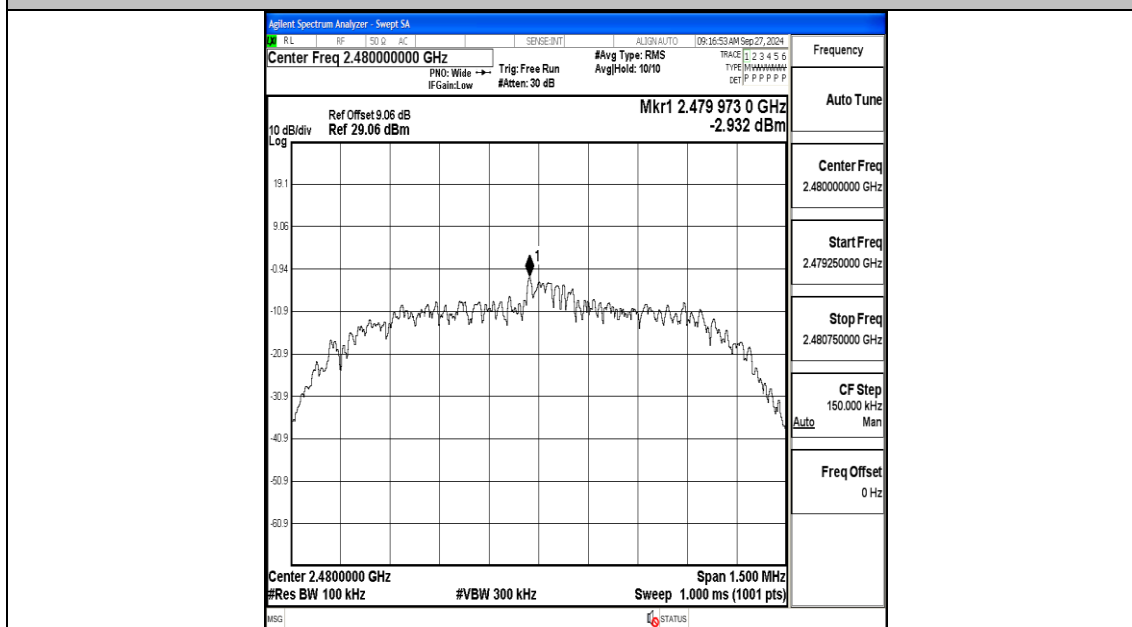


3DH5-Ant1-2402-30~1000-PASS

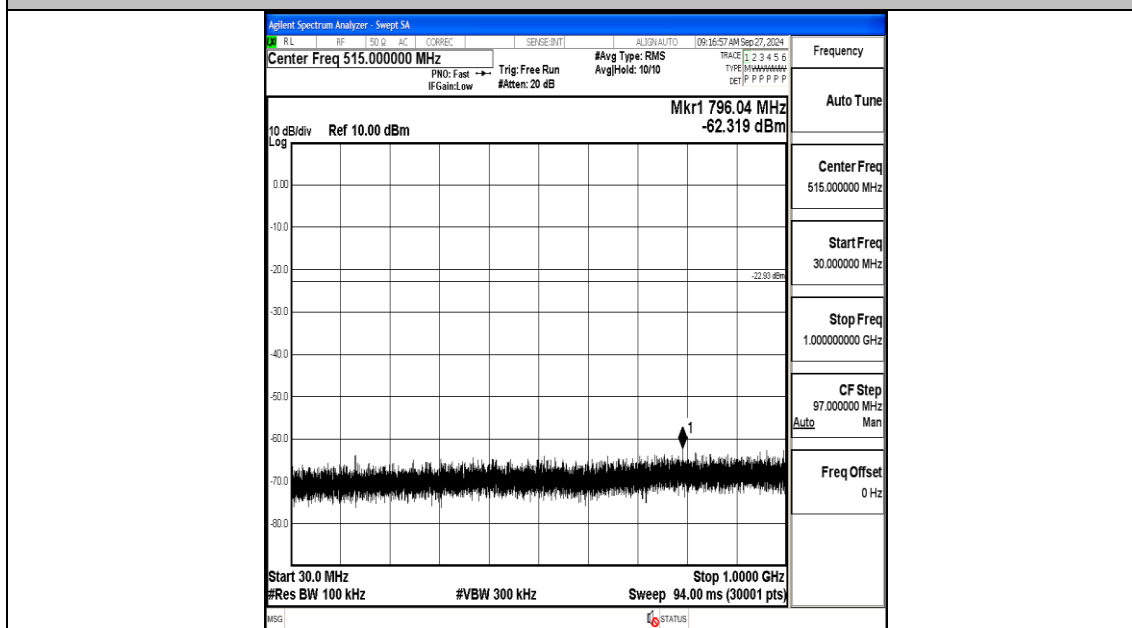




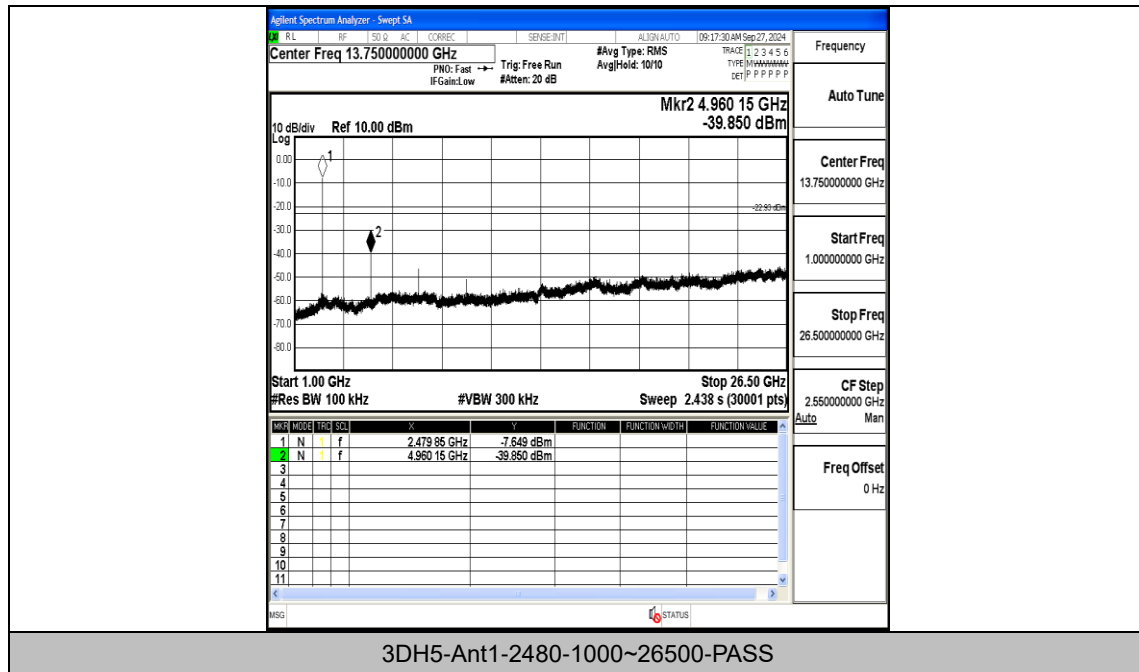
3DH5-Ant1-2441-1000~26500-PASS



3DH5-Ant1-2480-0~Reference-PASS



3DH5-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	2.86	3.75	76.27	1.18
DH5	Ant1	2441	2.87	3.75	76.53	1.16
DH5	Ant1	2480	2.87	3.75	76.53	1.16
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.87	3.74	76.74	1.15
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.74	3.61	75.90	1.20

Test Graphs

