

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

Product Name: Transceiver

Trade Mark: /

Test Model: BB02

FCC ID: 2AQR2-BB02

Environmental Conditions

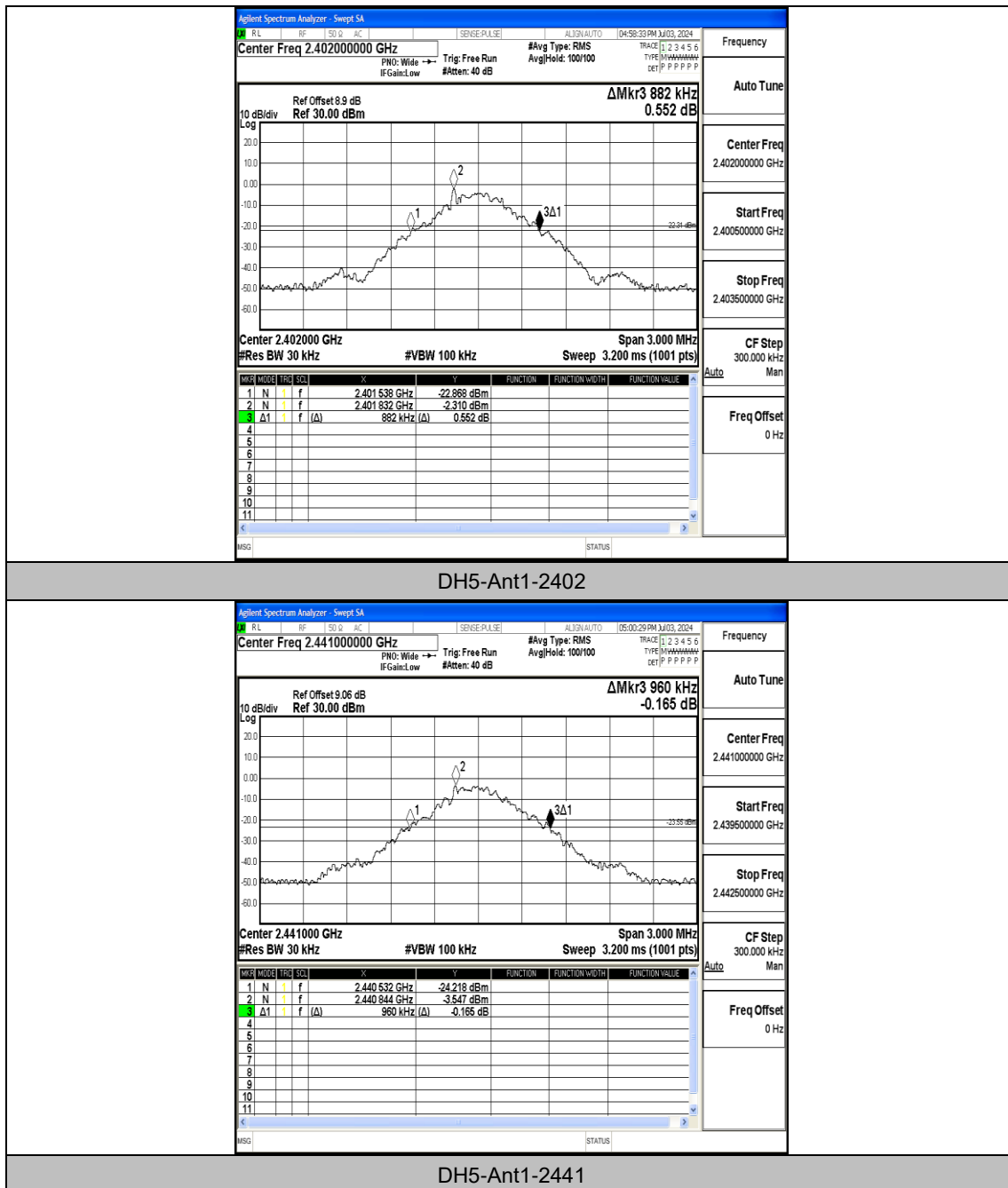
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

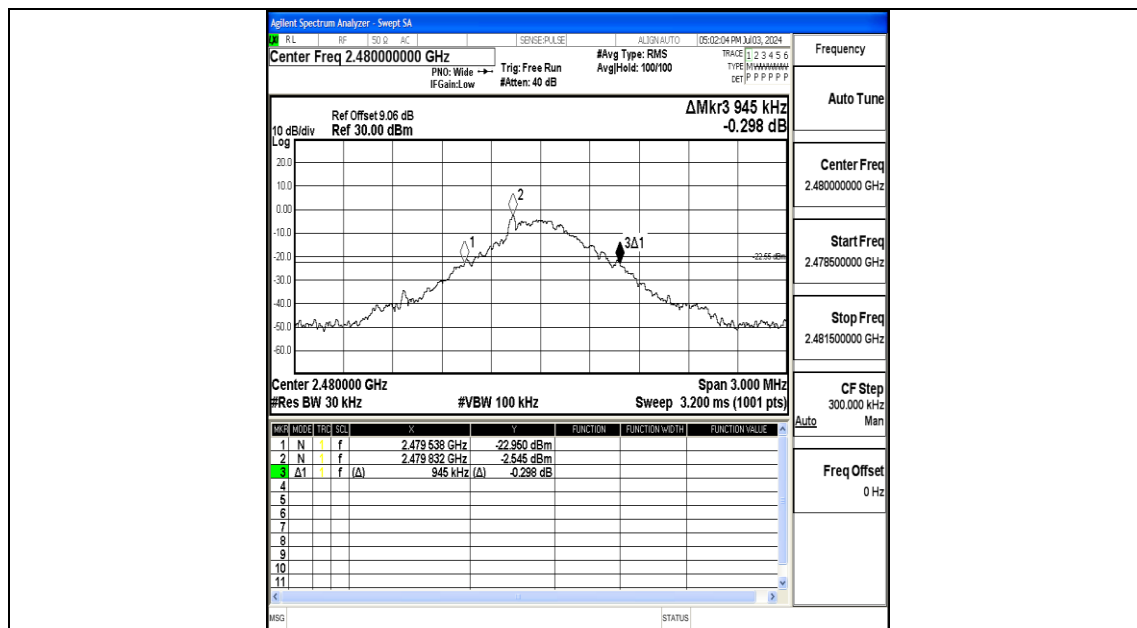
Appendix A: 20dB Emission Bandwidth

Test Result

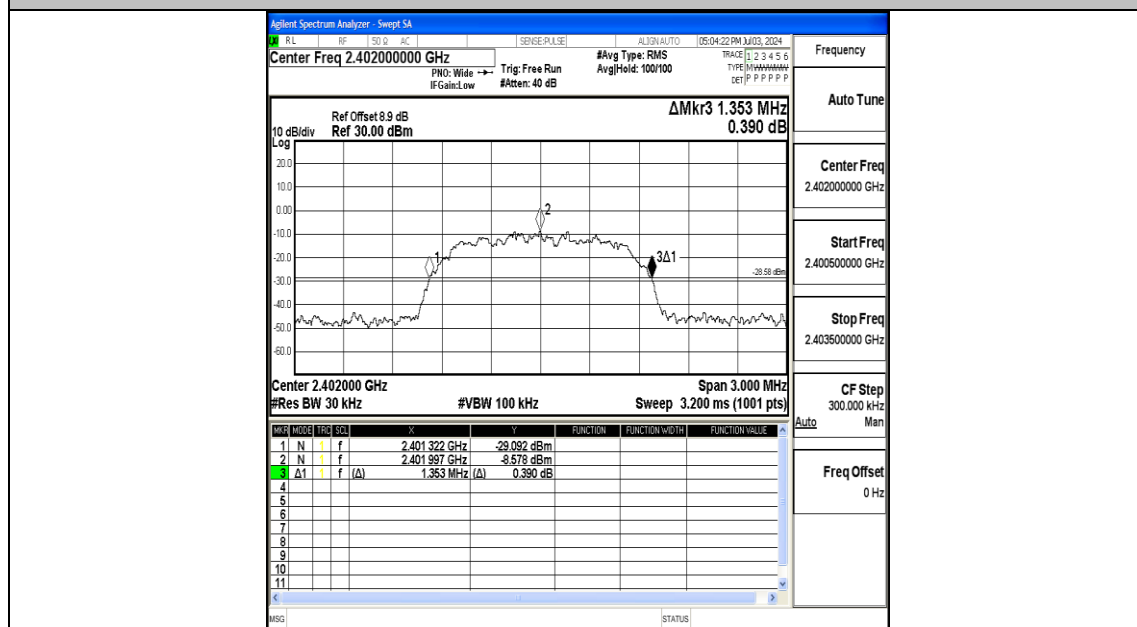
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.882	2401.538	2402.420	---	---
DH5	Ant1	2441	0.960	2440.532	2441.492	---	---
DH5	Ant1	2480	0.945	2479.538	2480.483	---	---
2DH5	Ant1	2402	1.353	2401.322	2402.675	---	---
2DH5	Ant1	2441	1.260	2440.373	2441.633	---	---
2DH5	Ant1	2480	1.266	2479.370	2480.636	---	---
3DH5	Ant1	2402	1.311	2401.346	2402.657	---	---
3DH5	Ant1	2441	1.263	2440.355	2441.618	---	---
3DH5	Ant1	2480	1.242	2479.370	2480.612	---	---

Test Graphs

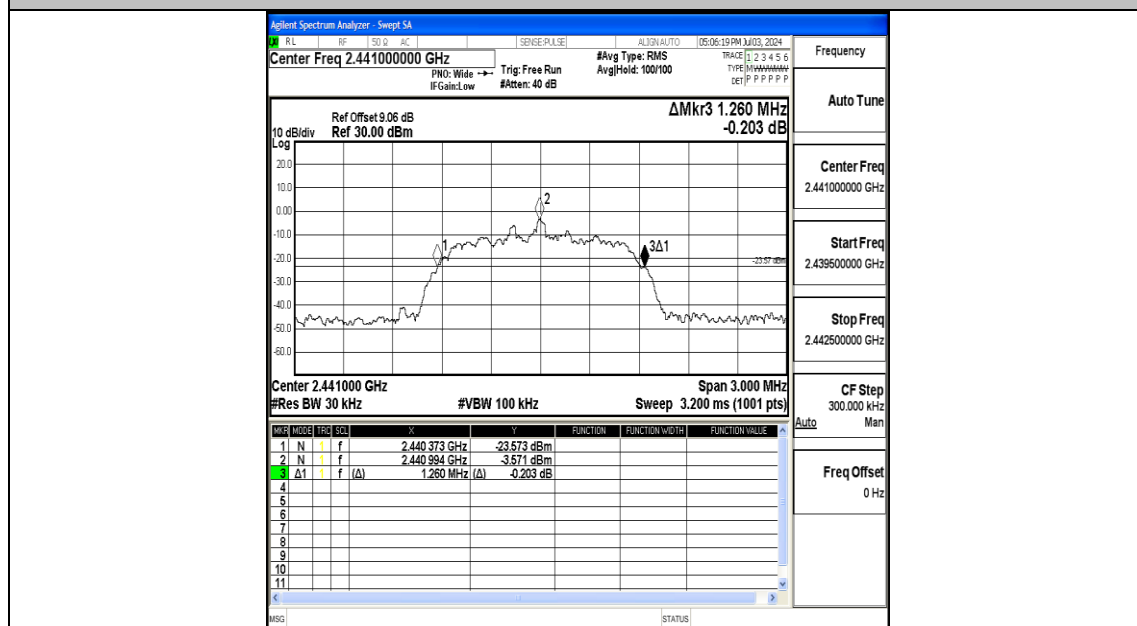




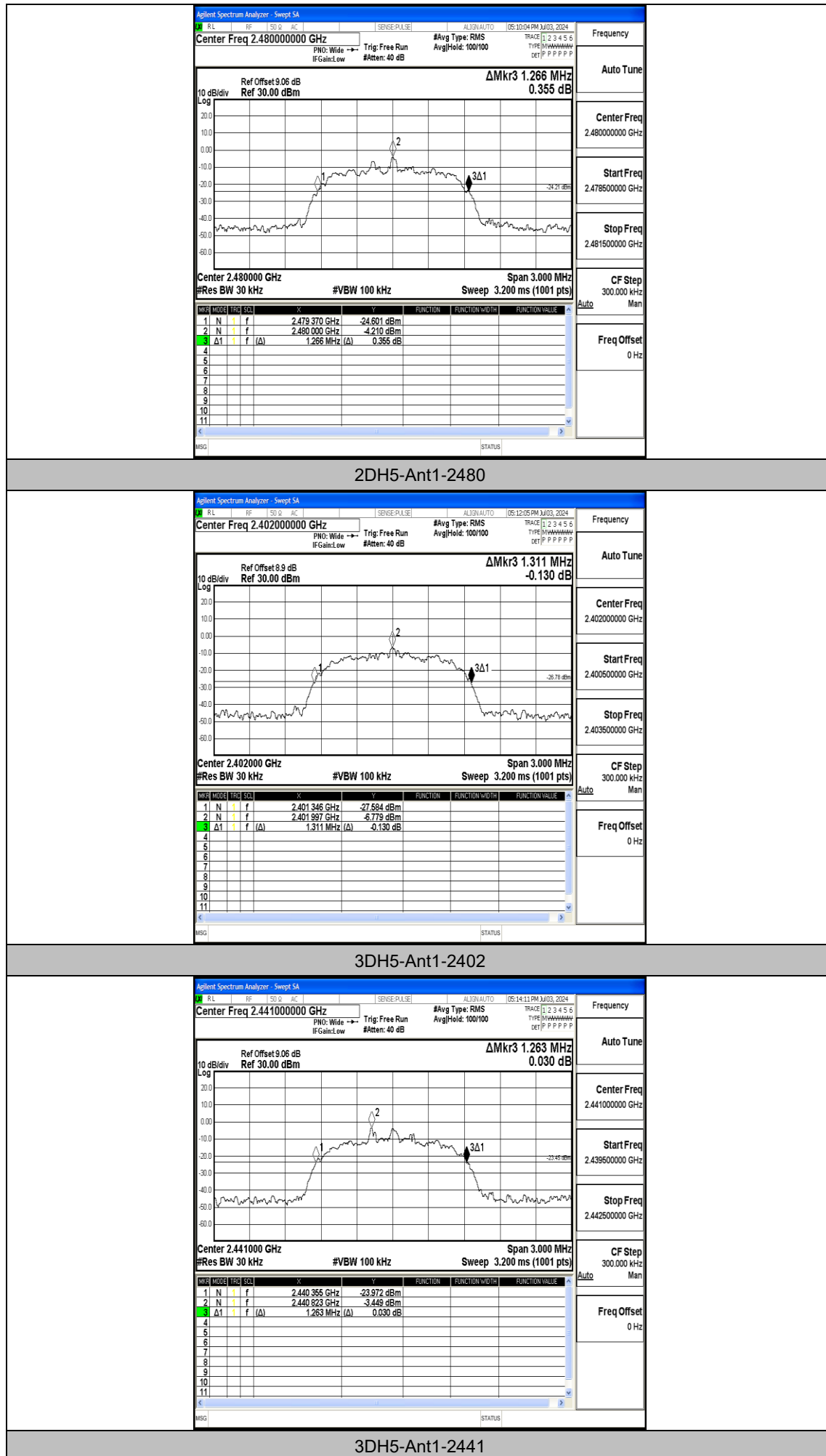
DH5-Ant1-2480

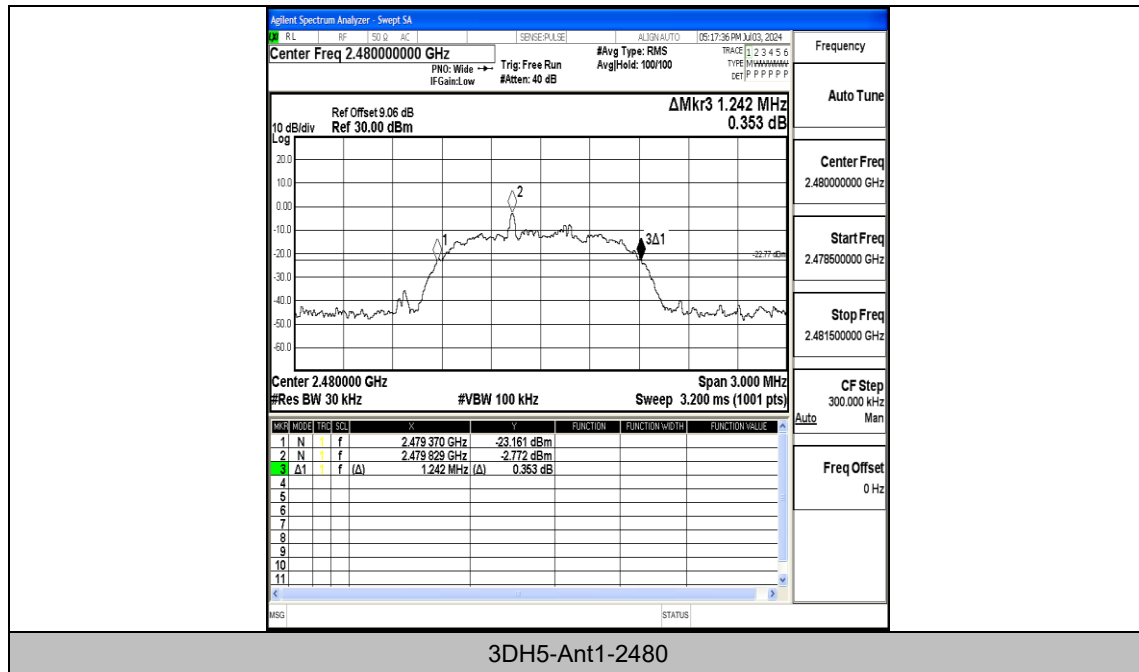


2DH5-Ant1-2402



2DH5-Ant1-2441



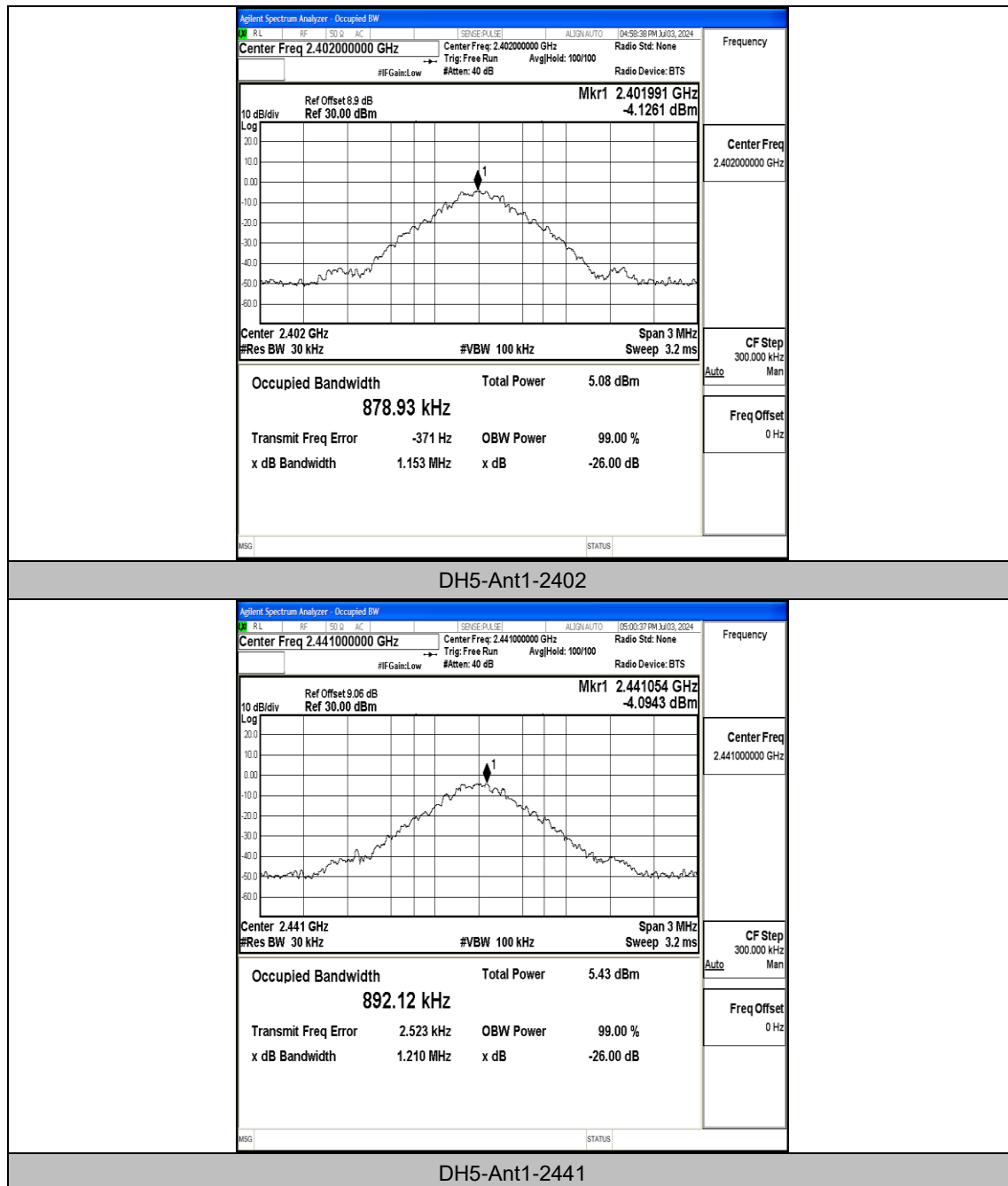


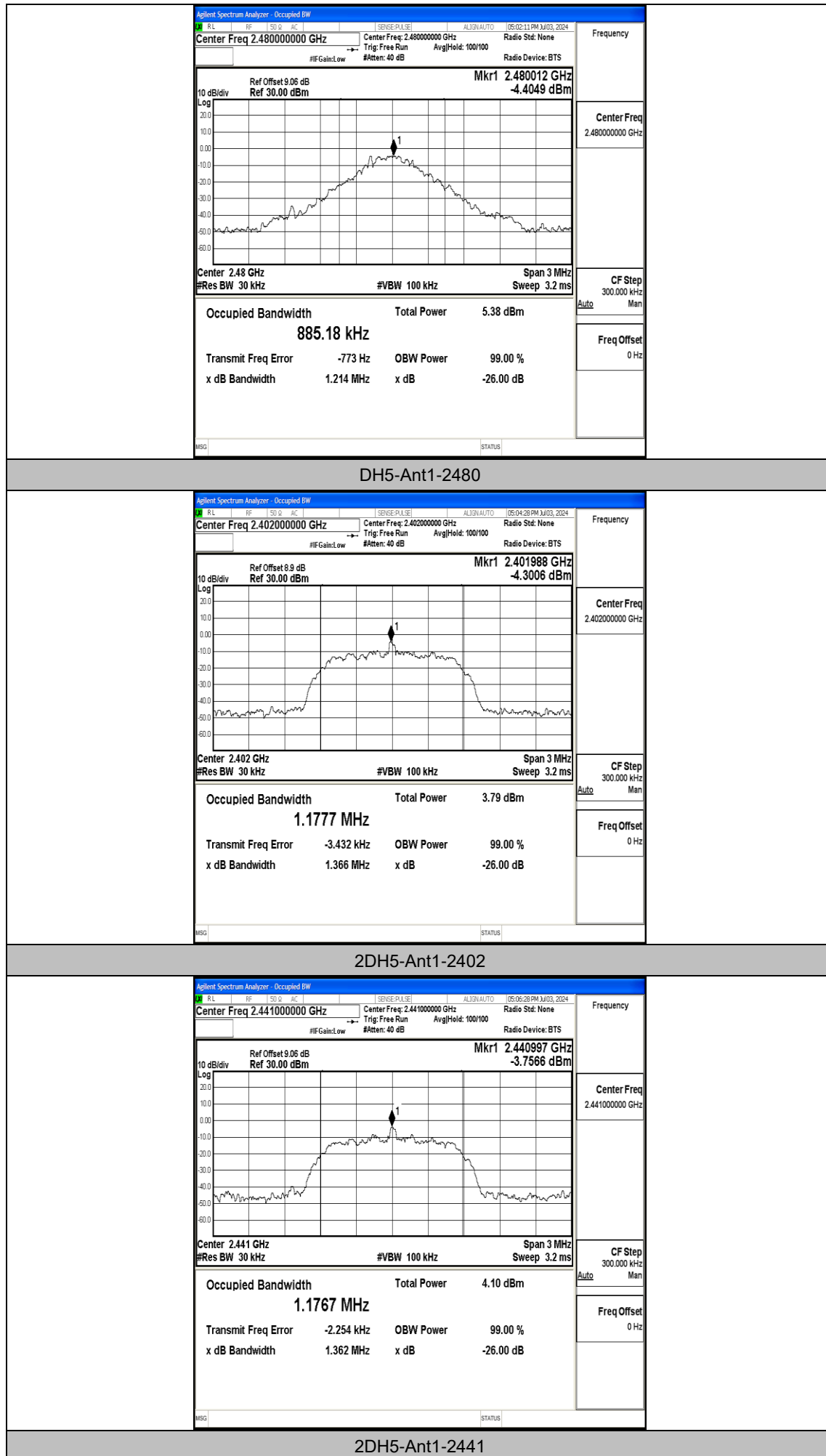
Appendix B: Occupied Channel Bandwidth

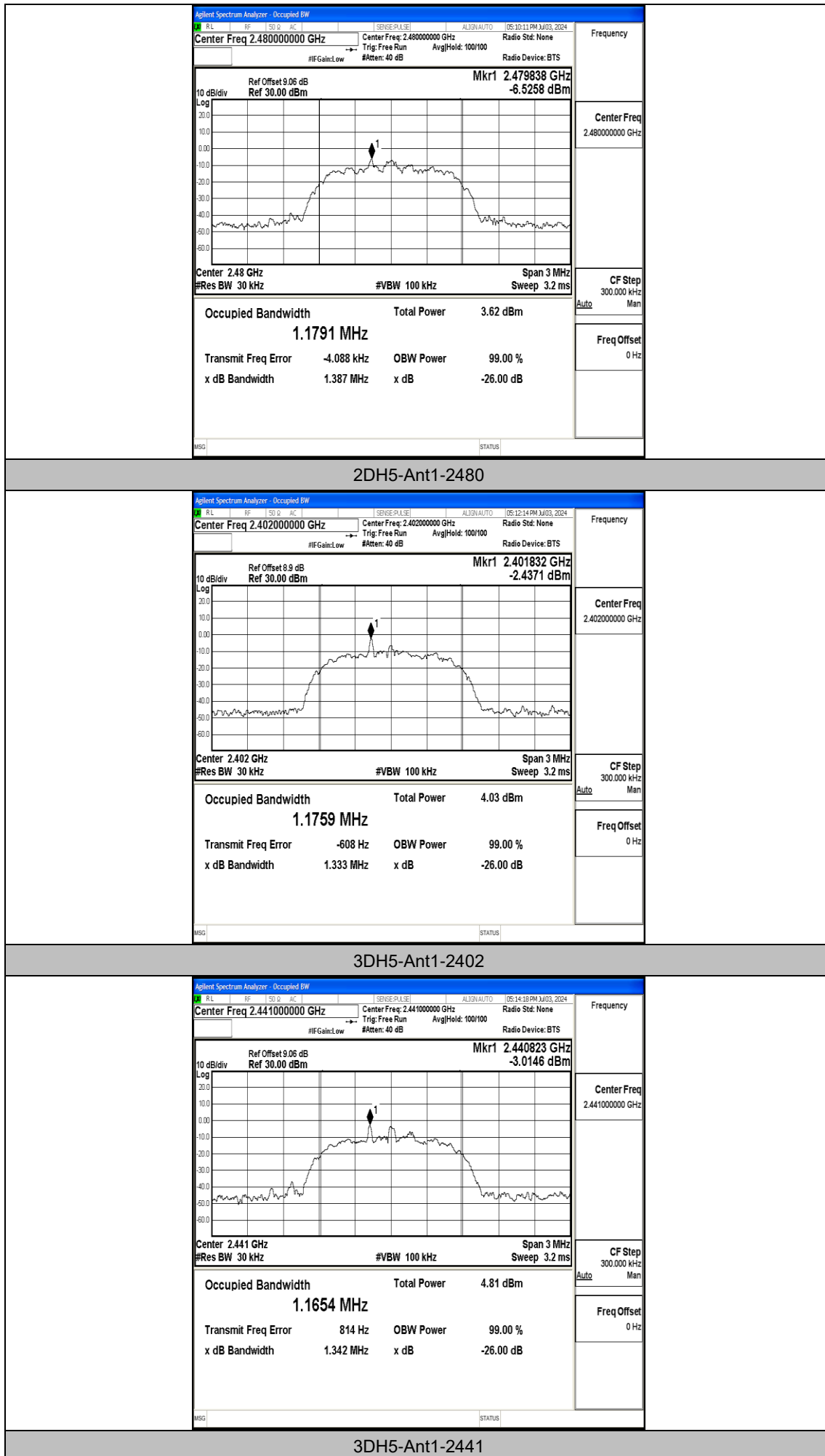
Test Result

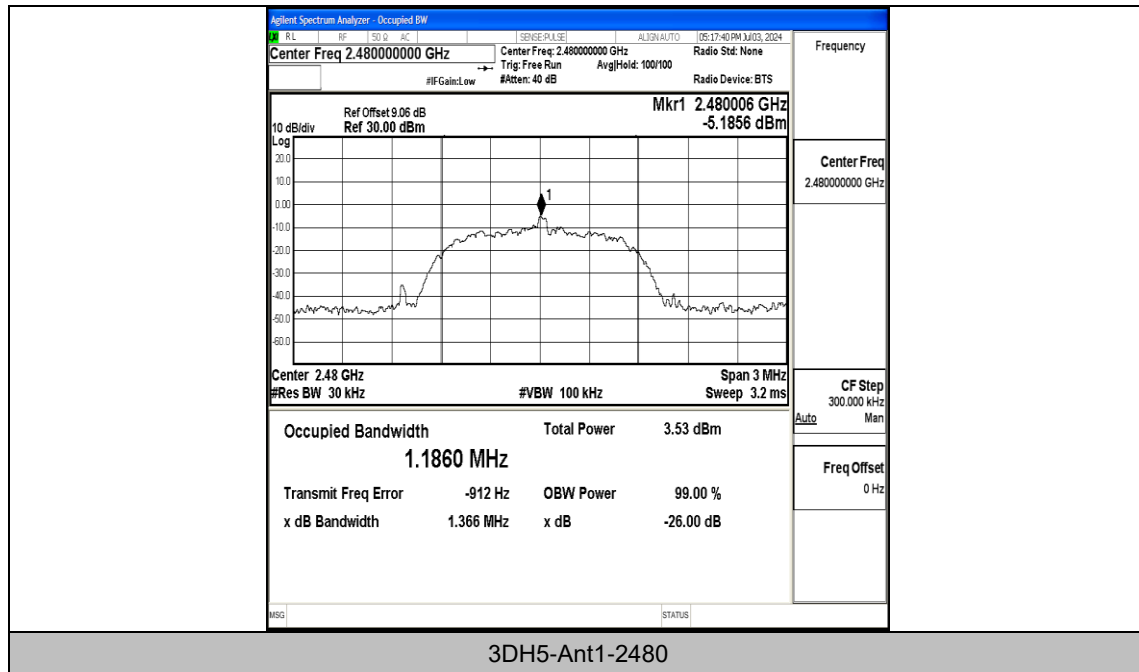
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87893	2401.5602	2402.4391	---	---
DH5	Ant1	2441	0.89212	2440.5565	2441.4486	---	---
DH5	Ant1	2480	0.88518	2479.5566	2480.4418	---	---
2DH5	Ant1	2402	1.1777	2401.4077	2402.5854	---	---
2DH5	Ant1	2441	1.1767	2440.4094	2441.5861	---	---
2DH5	Ant1	2480	1.1791	2479.4064	2480.5855	---	---
3DH5	Ant1	2402	1.1759	2401.4114	2402.5873	---	---
3DH5	Ant1	2441	1.1654	2440.4181	2441.5835	---	---
3DH5	Ant1	2480	1.1860	2479.4061	2480.5921	---	---

Test Graphs







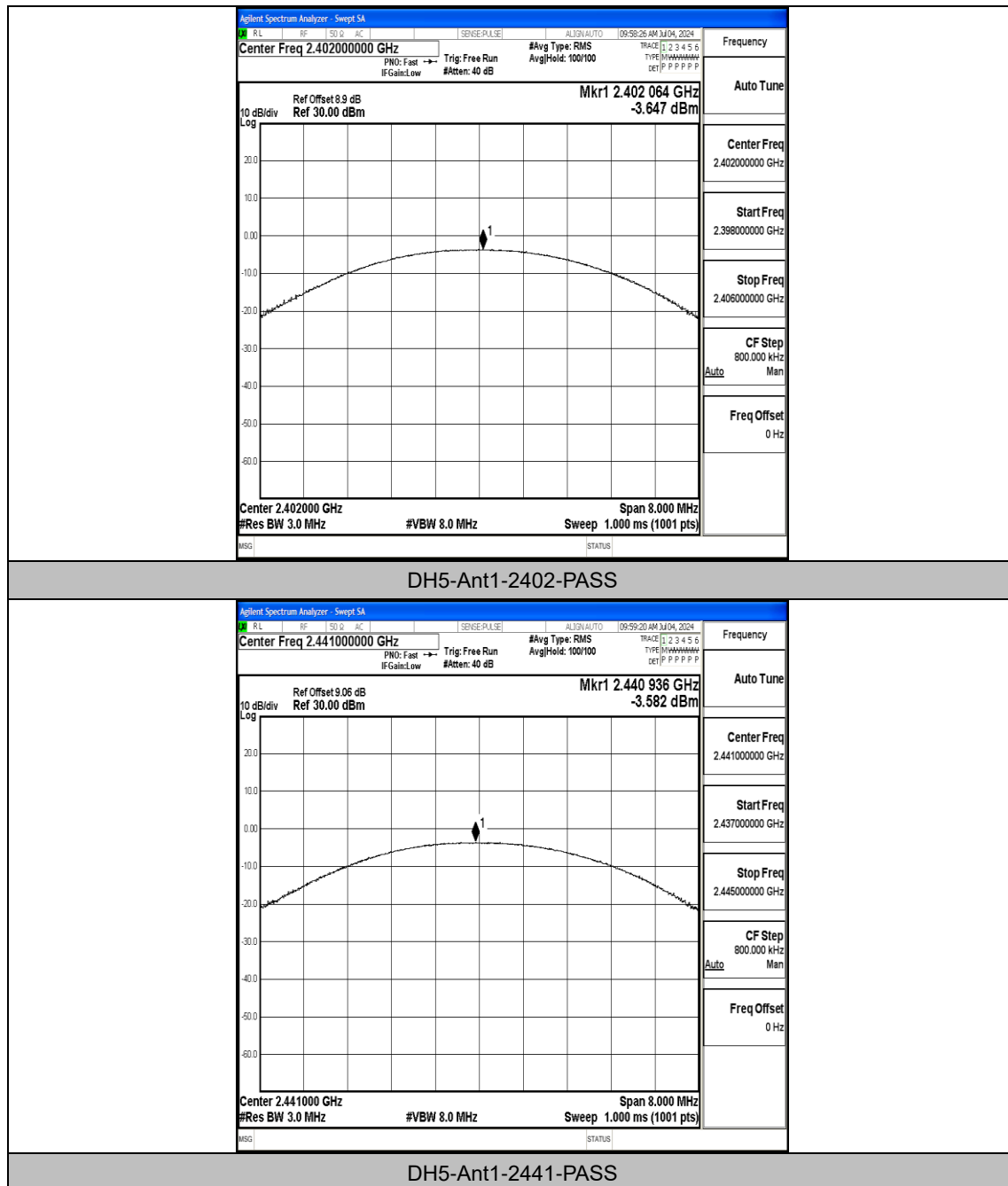


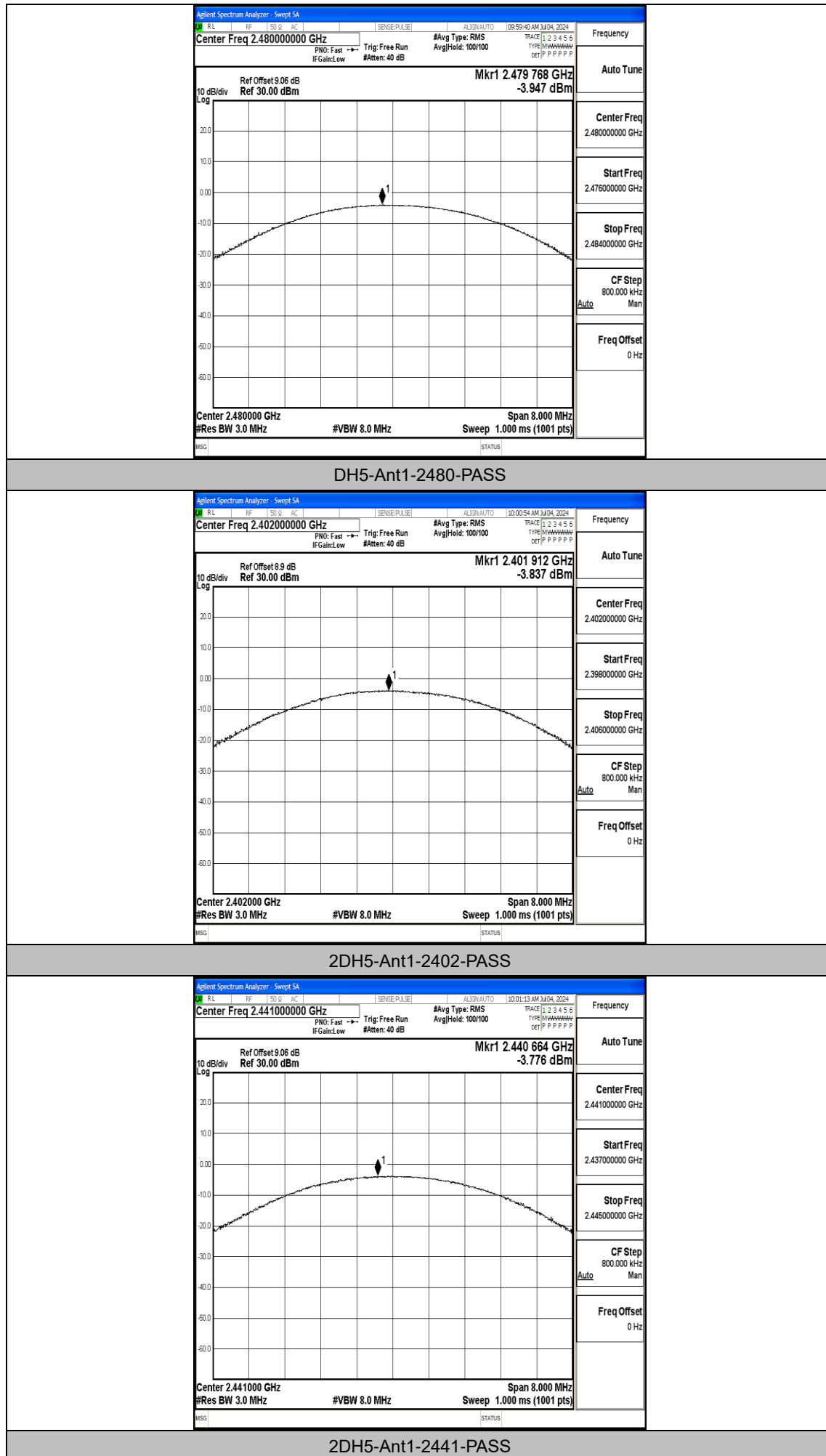
Appendix C: Maximum peak conducted output power

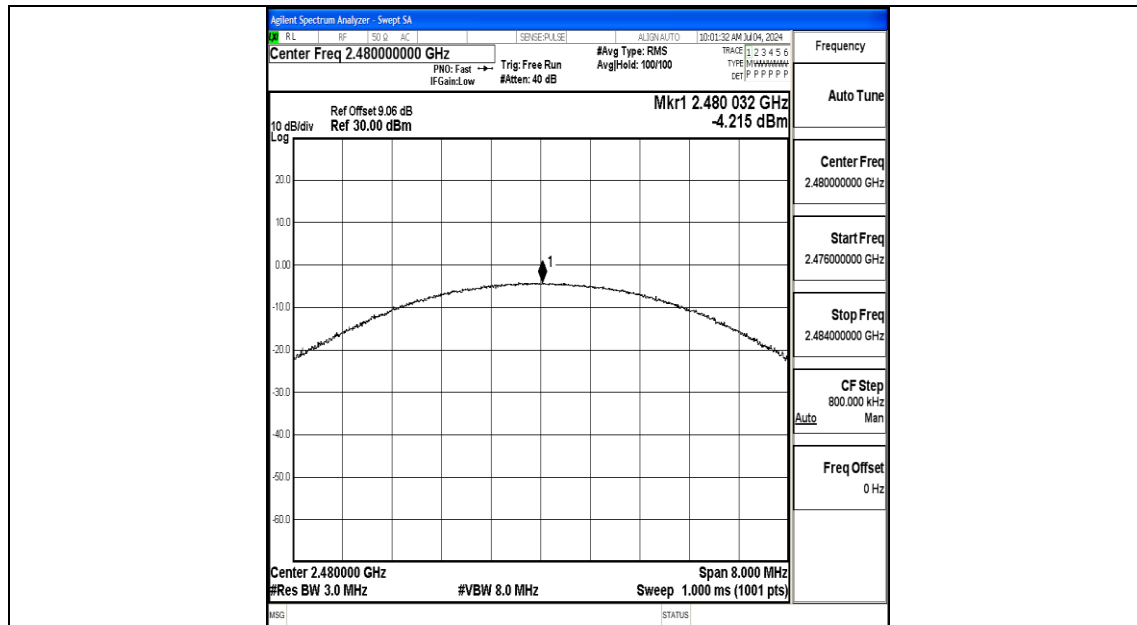
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-3.65	≤30	PASS
DH5	Ant1	2441	-3.58	≤30	PASS
DH5	Ant1	2480	-3.95	≤30	PASS
2DH5	Ant1	2402	-3.84	≤20.97	PASS
2DH5	Ant1	2441	-3.78	≤20.97	PASS
2DH5	Ant1	2480	-4.22	≤20.97	PASS
3DH5	Ant1	2402	-3.68	≤20.97	PASS
3DH5	Ant1	2441	-3.74	≤20.97	PASS
3DH5	Ant1	2480	-4.14	≤20.97	PASS

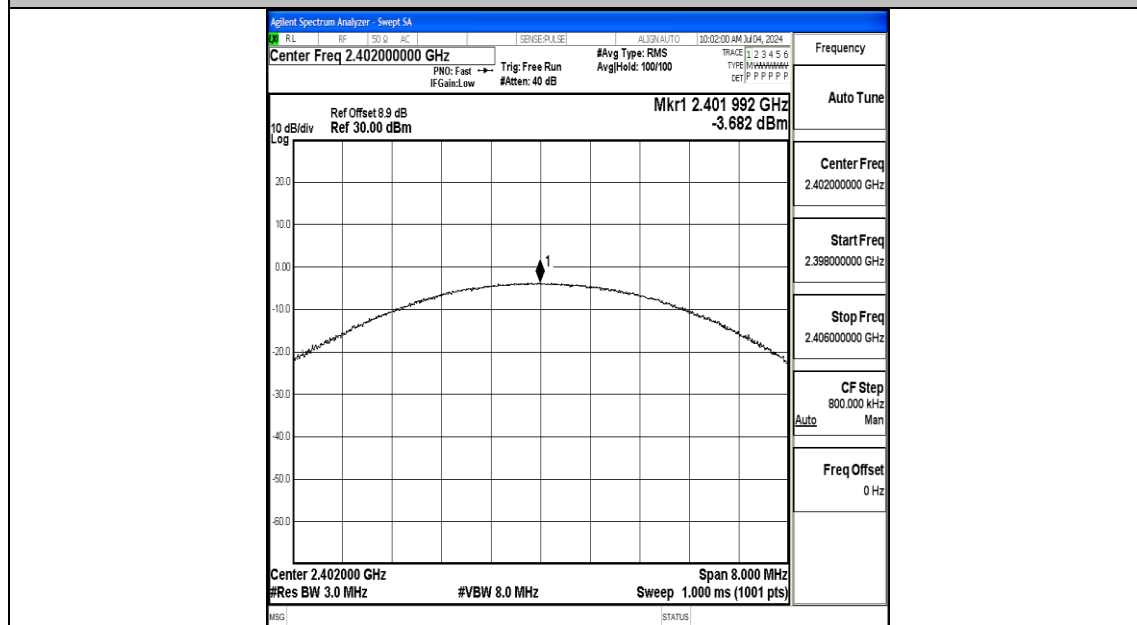
Test Graphs



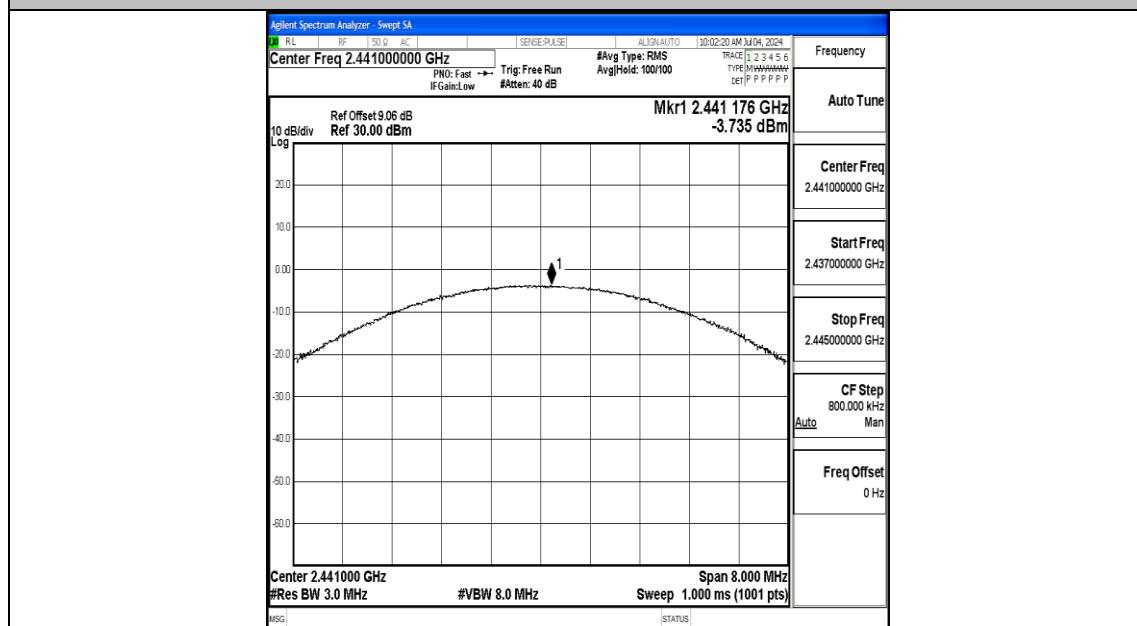




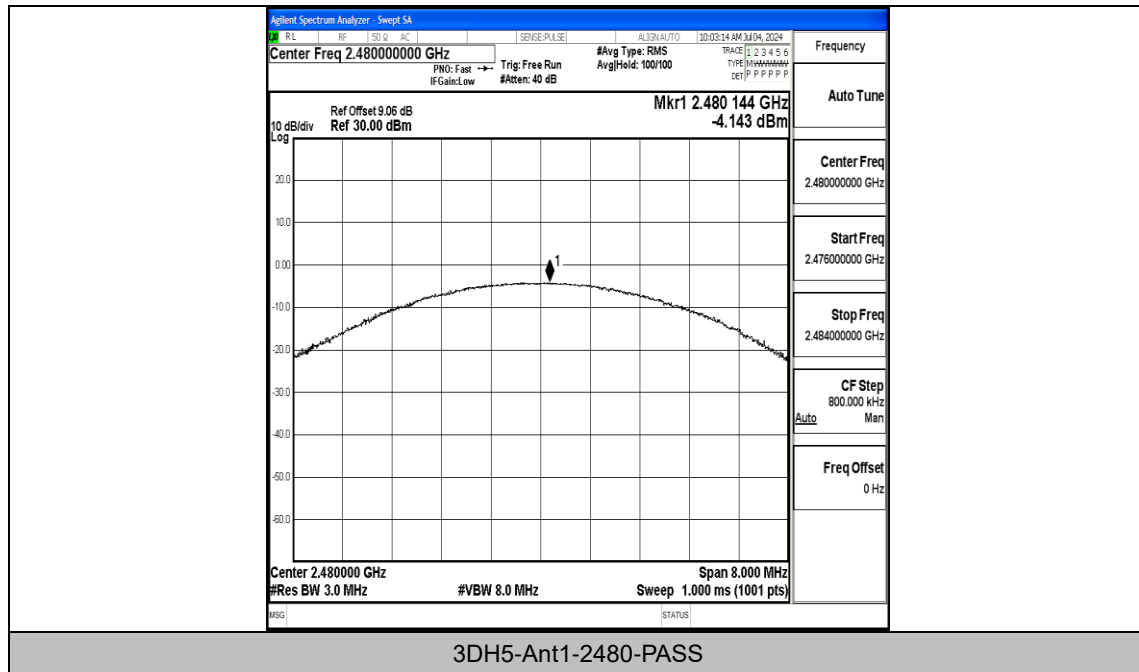
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS

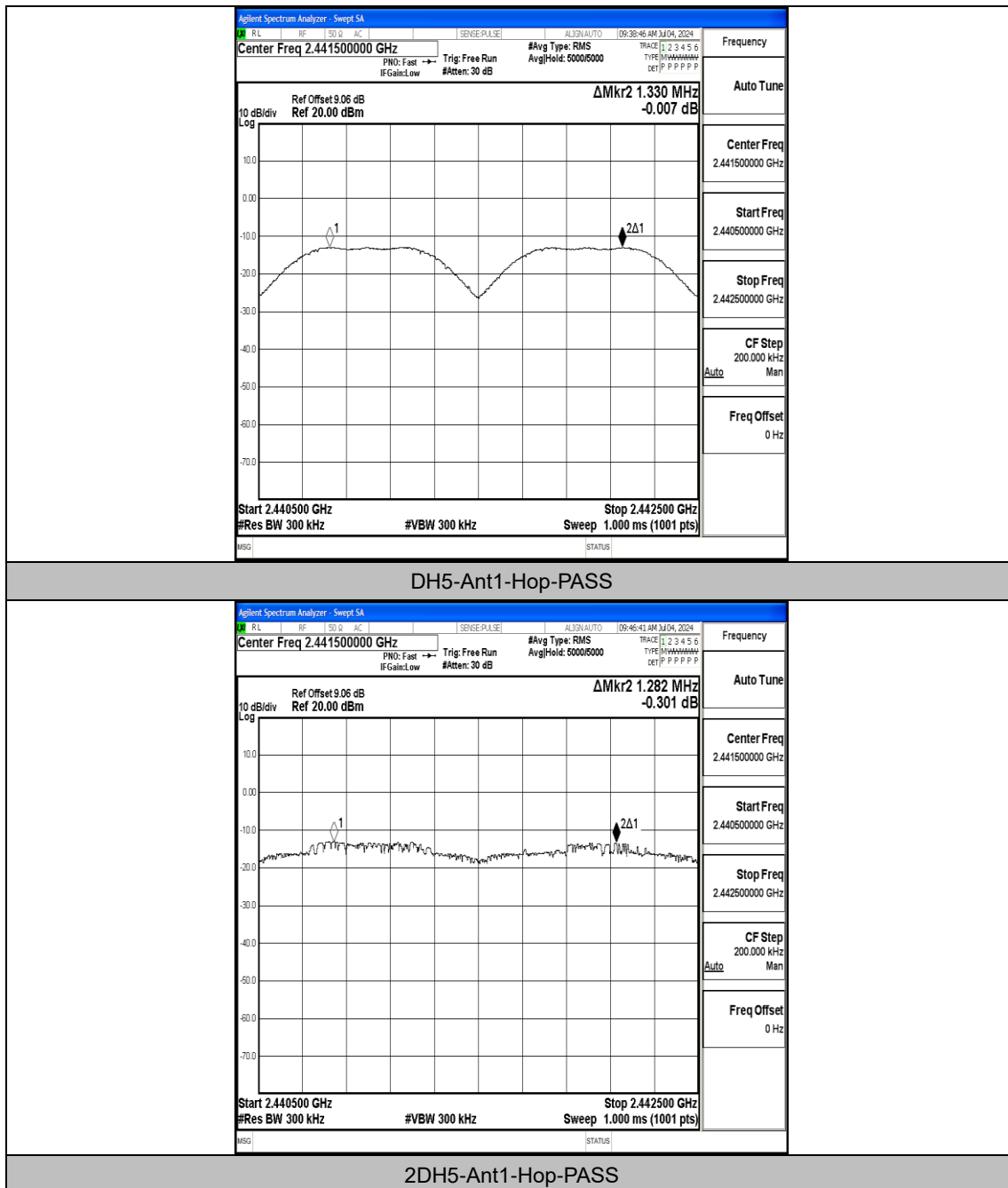


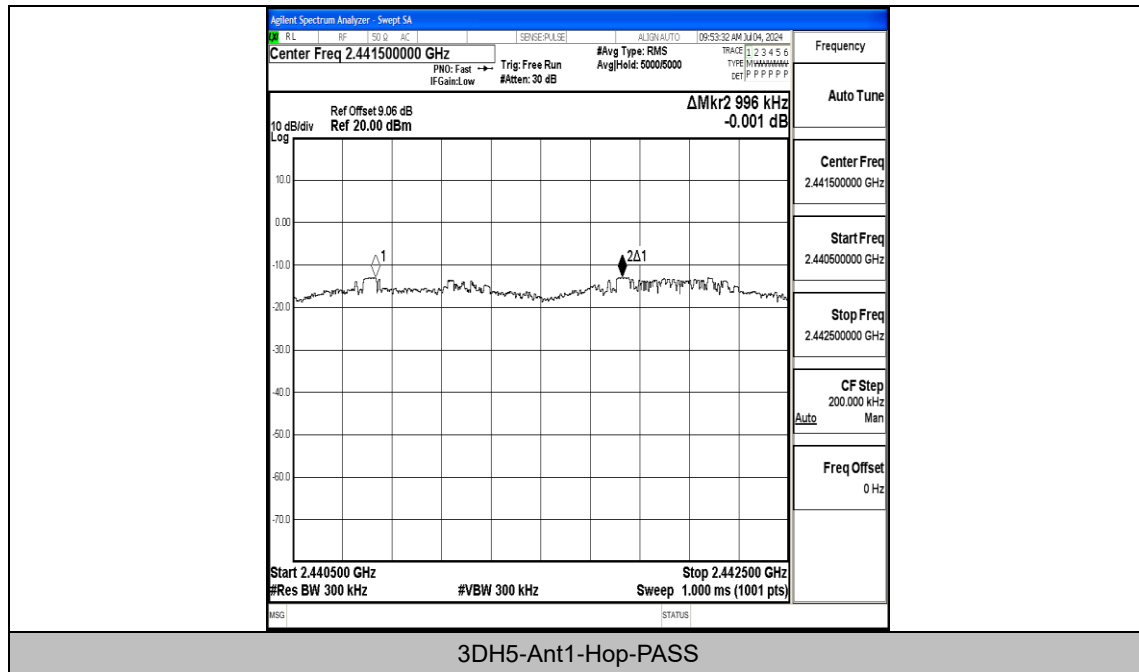
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.33	≥ 0.960	PASS
2DH5	Ant1	Hop	1.282	≥ 0.902	PASS
3DH5	Ant1	Hop	0.996	≥ 0.874	PASS

Test Graphs



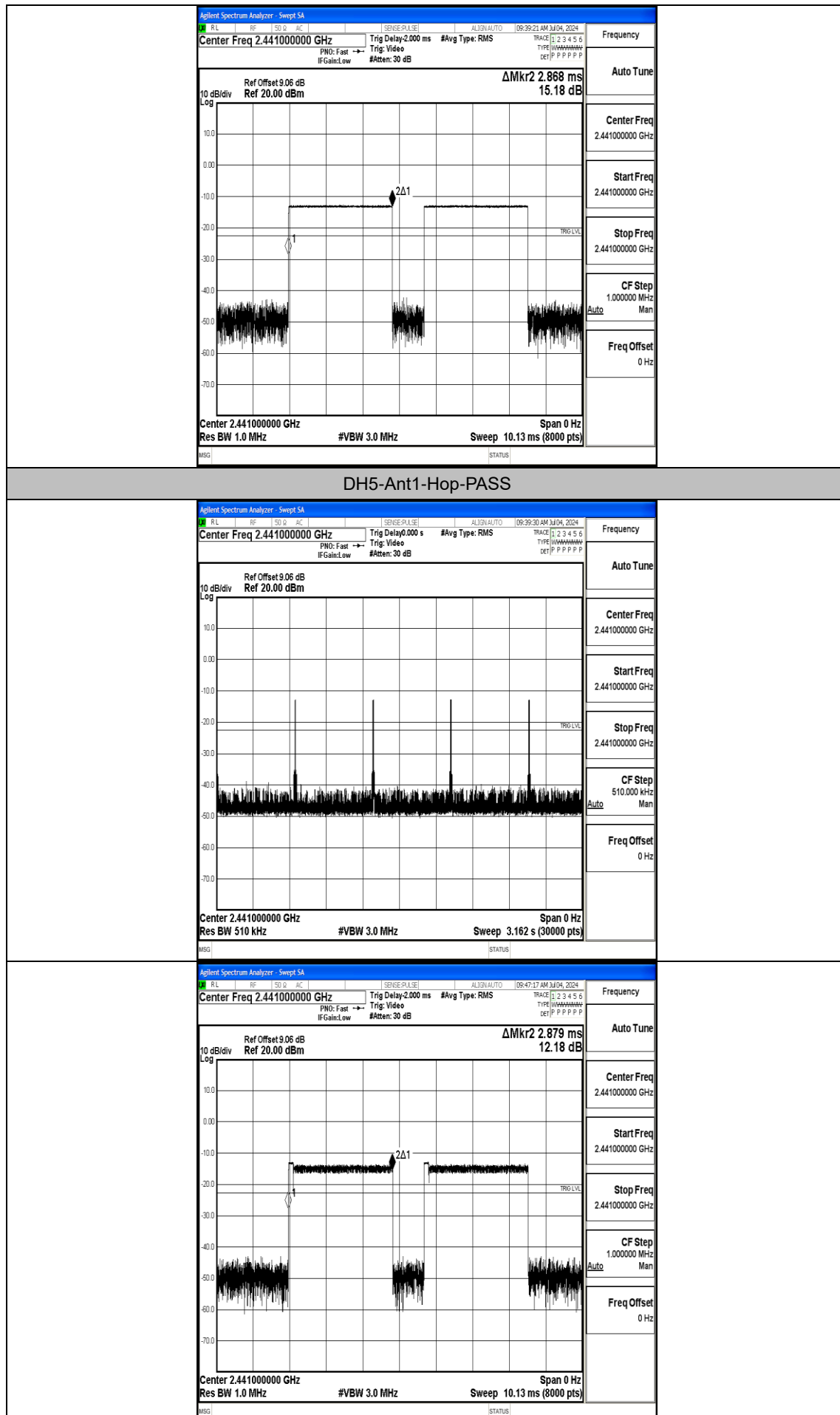


Appendix E: Time of occupancy

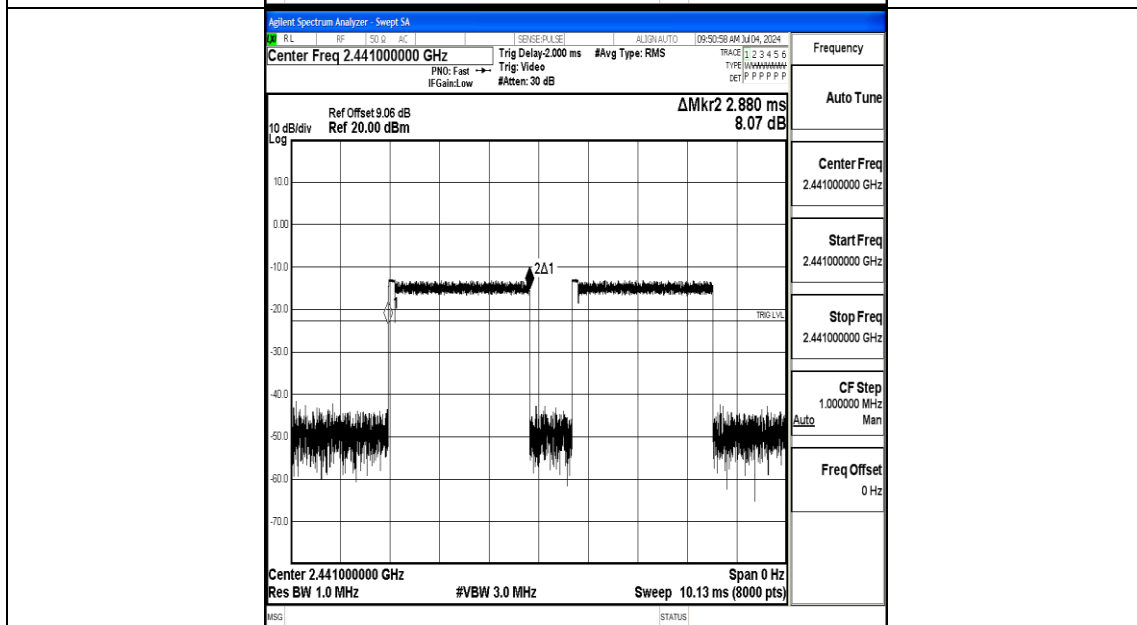
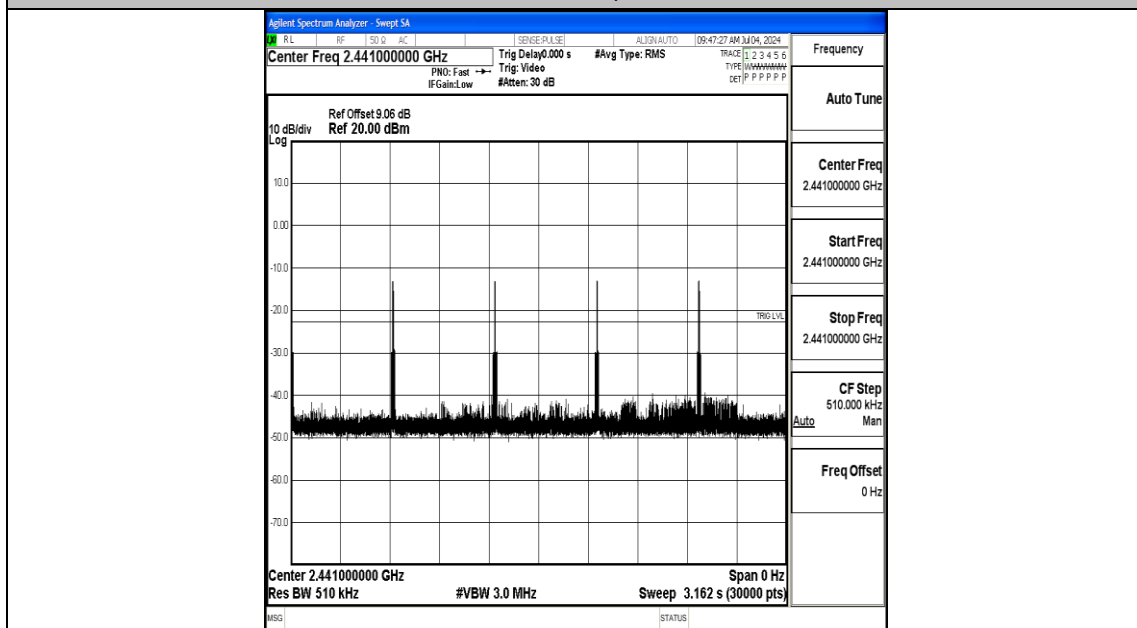
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.868	100	0.287	≤0.4	PASS
2DH5	Ant1	Hop	2.879	100	0.288	≤0.4	PASS
3DH5	Ant1	Hop	2.880	100	0.288	≤0.4	PASS

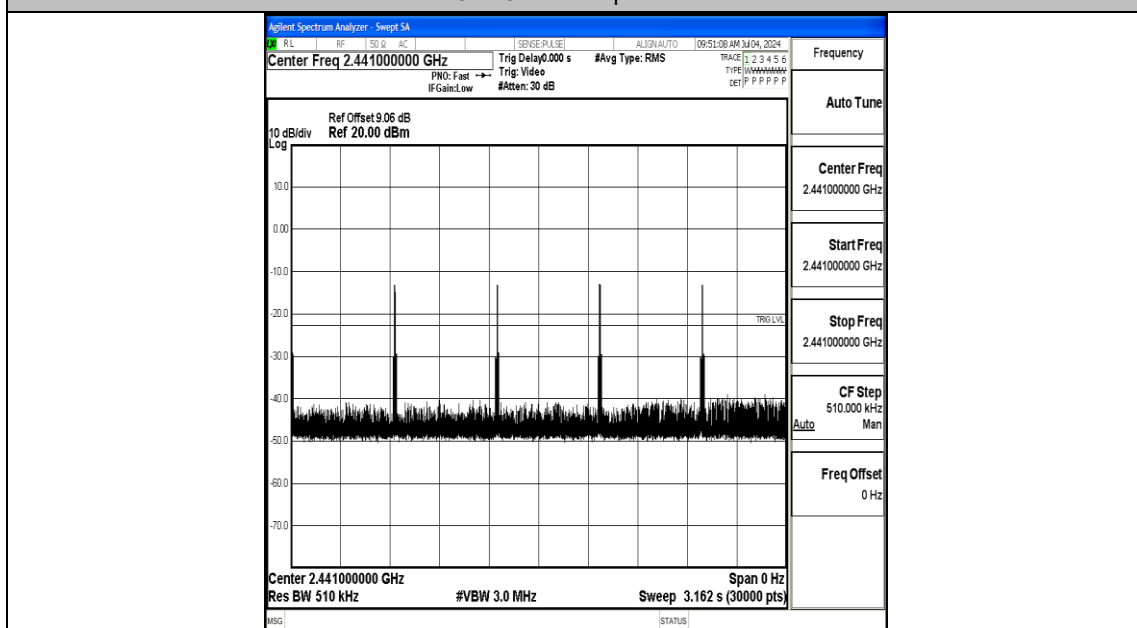
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



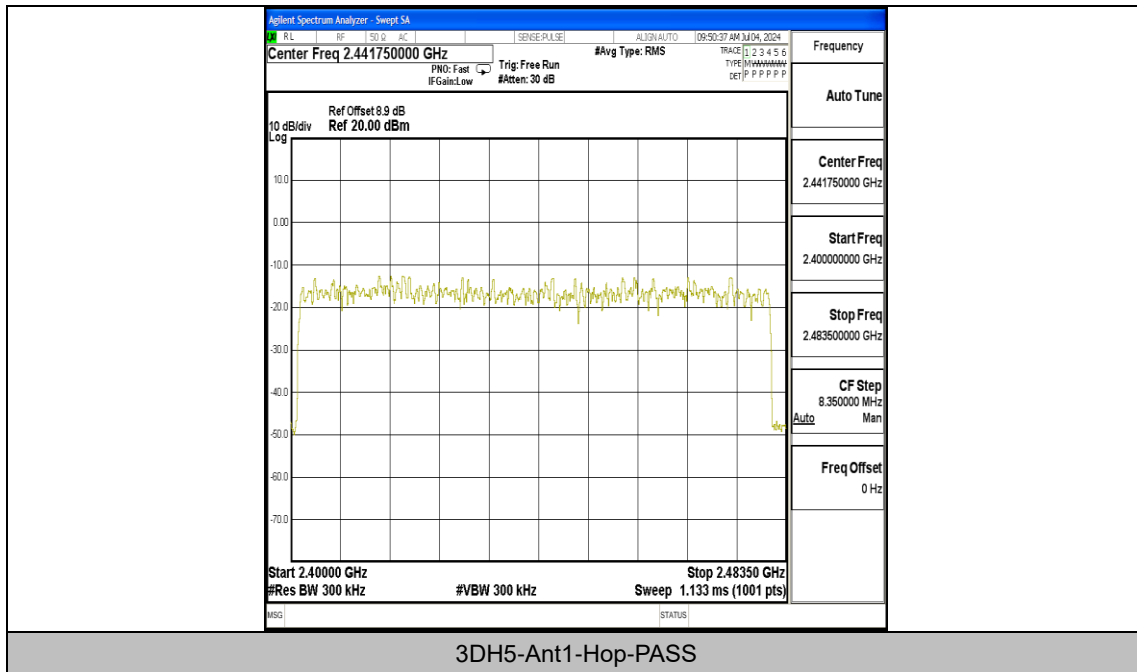
Appendix F: Number of hopping channels

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



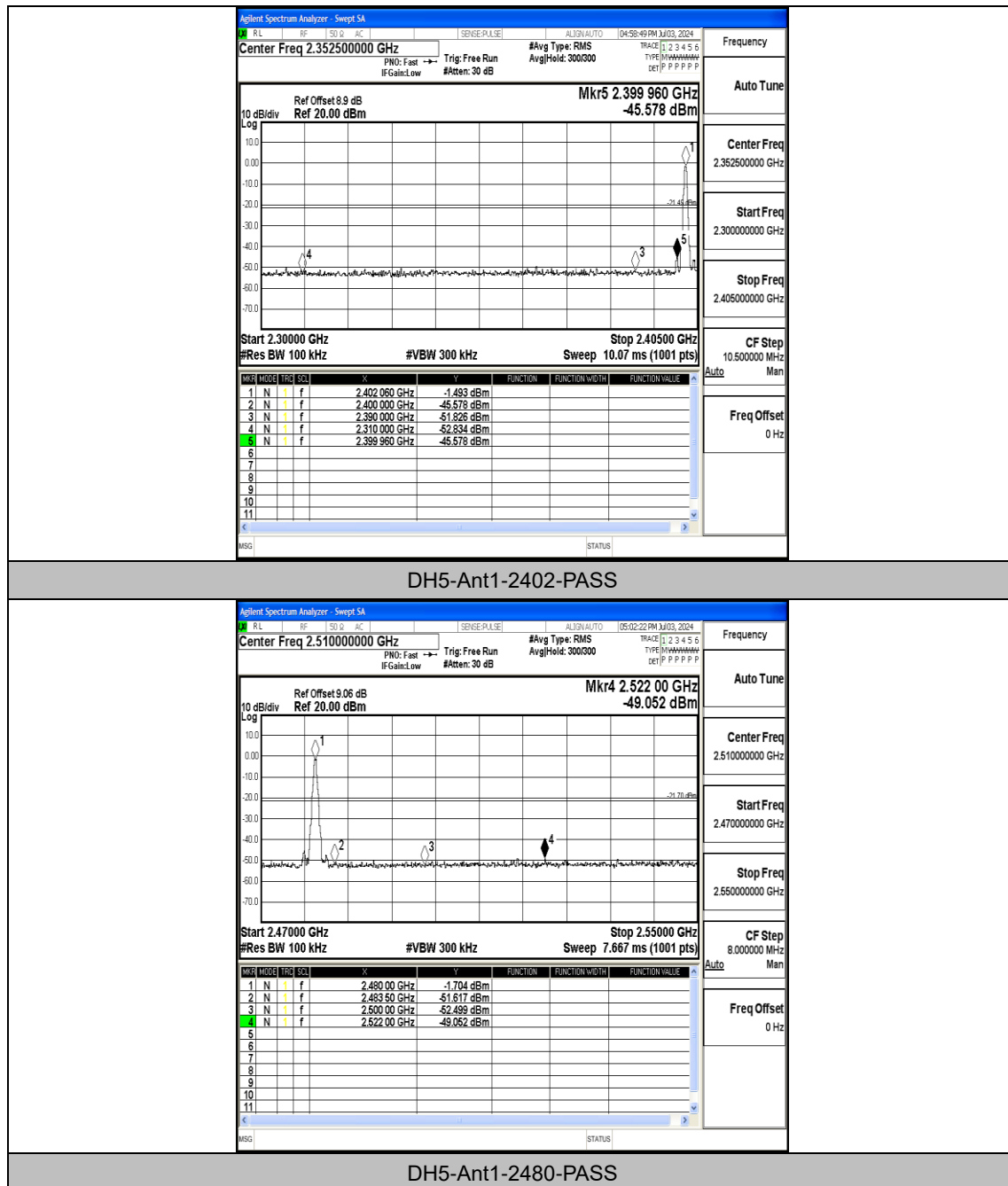


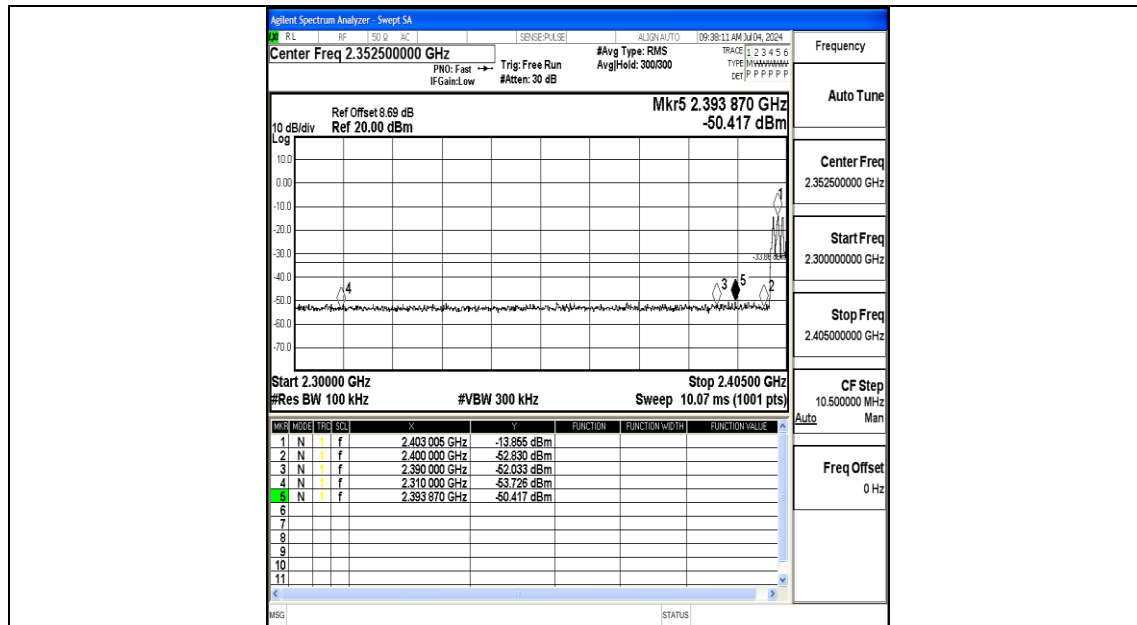
Appendix G: Band edge measurements

Test Result

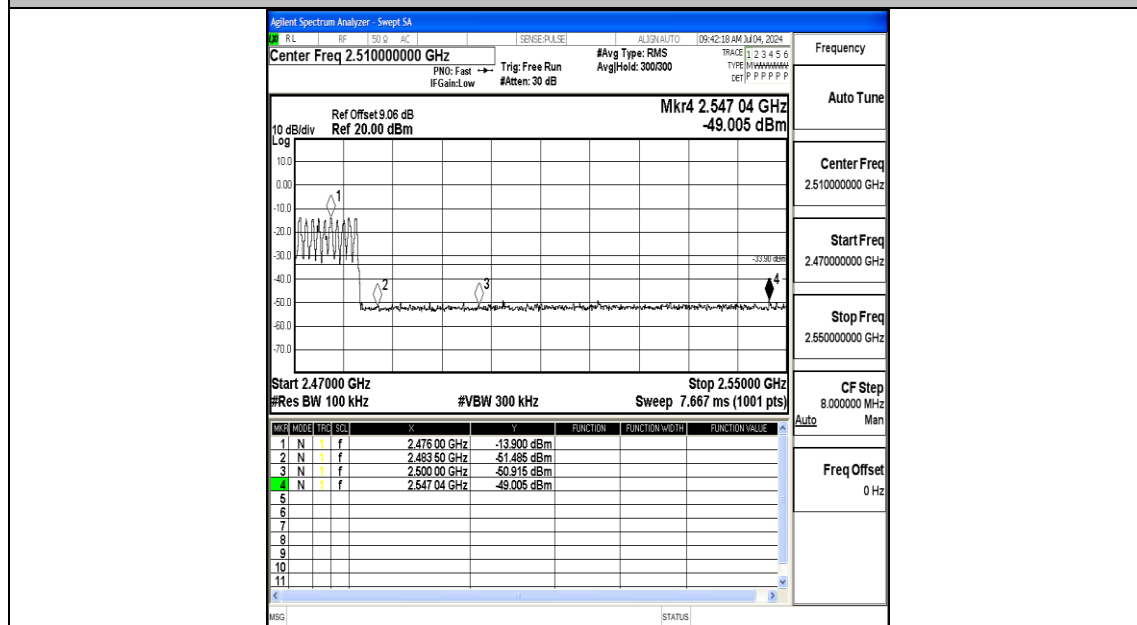
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.49	-45.58	≤ -21.49	PASS
DH5	Ant1	High	2480	-1.70	-49.05	≤ -21.7	PASS
DH5	Ant1	Low	Hop_2402	-13.86	-50.42	≤ -33.86	PASS
DH5	Ant1	High	Hop_2480	-13.90	-49.01	≤ -33.9	PASS
2DH5	Ant1	Low	2402	-1.87	-47.84	≤ -21.87	PASS
2DH5	Ant1	High	2480	-1.82	-49.67	≤ -21.82	PASS
2DH5	Ant1	Low	Hop_2402	-14.42	-49.87	≤ -34.42	PASS
2DH5	Ant1	High	Hop_2480	-5.04	-48.93	≤ -25.04	PASS
3DH5	Ant1	Low	2402	-1.55	-45.75	≤ -21.55	PASS
3DH5	Ant1	High	2480	-2.27	-49.21	≤ -22.27	PASS
3DH5	Ant1	Low	Hop_2402	-17.48	-50.18	≤ -37.48	PASS
3DH5	Ant1	High	Hop_2480	-12.83	-49.51	≤ -32.83	PASS

Test Graphs

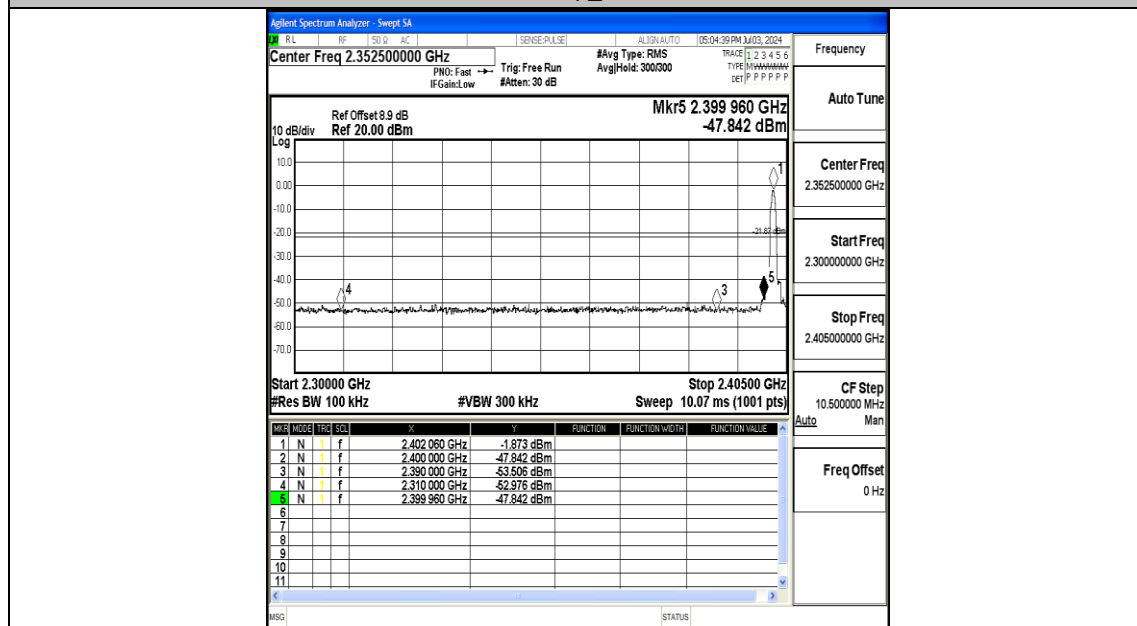




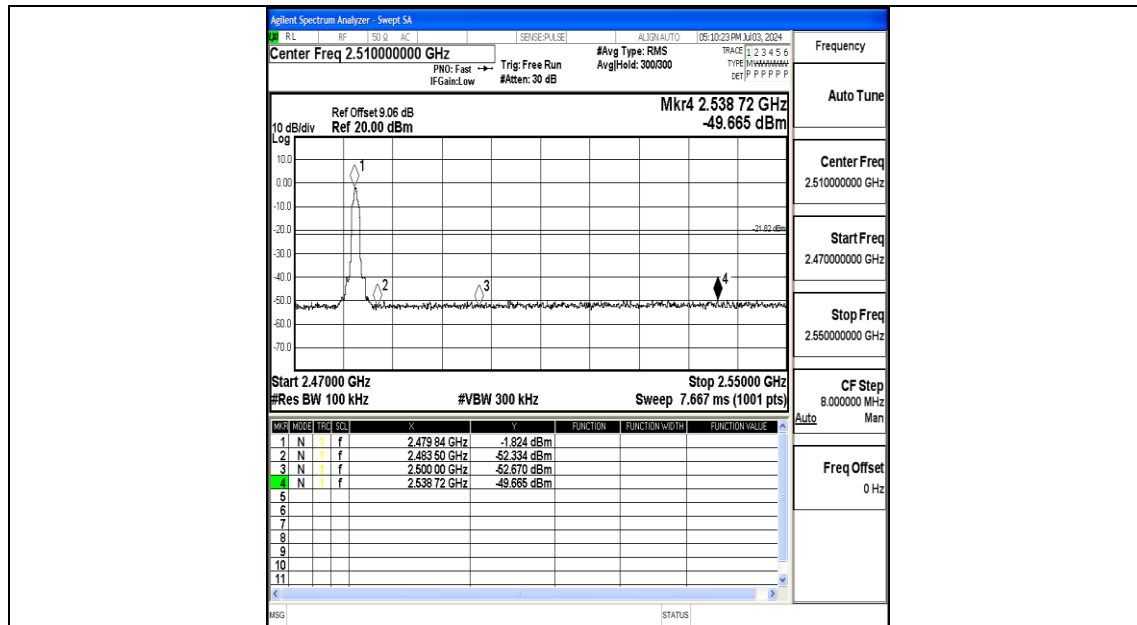
DH5-Ant1-Hop_2402-PASS



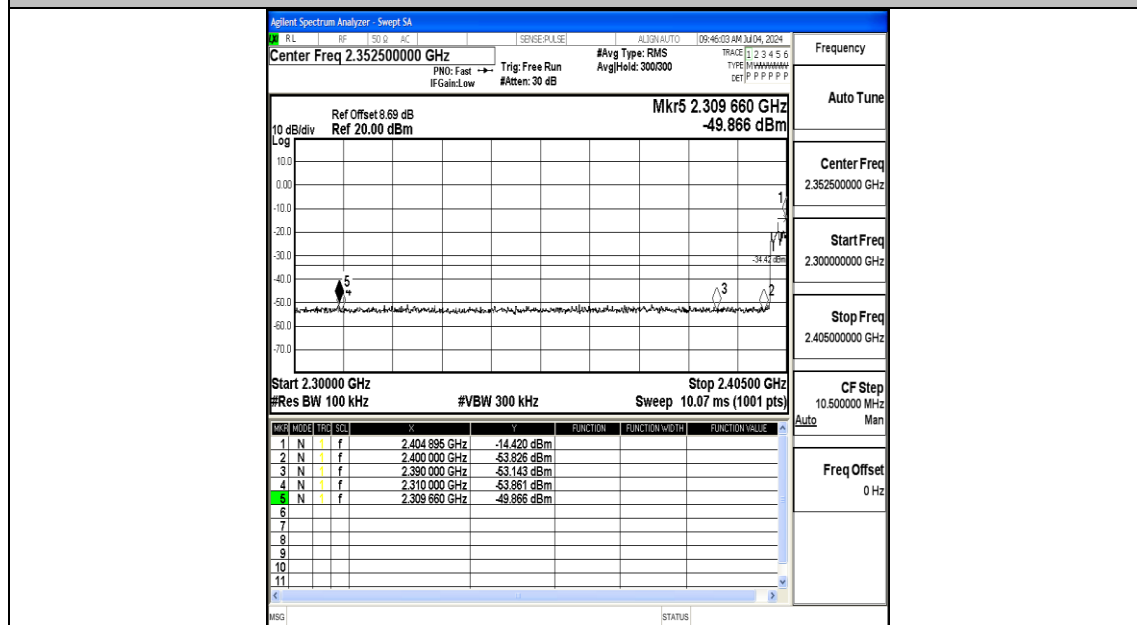
DH5-Ant1-Hop_2480-PASS



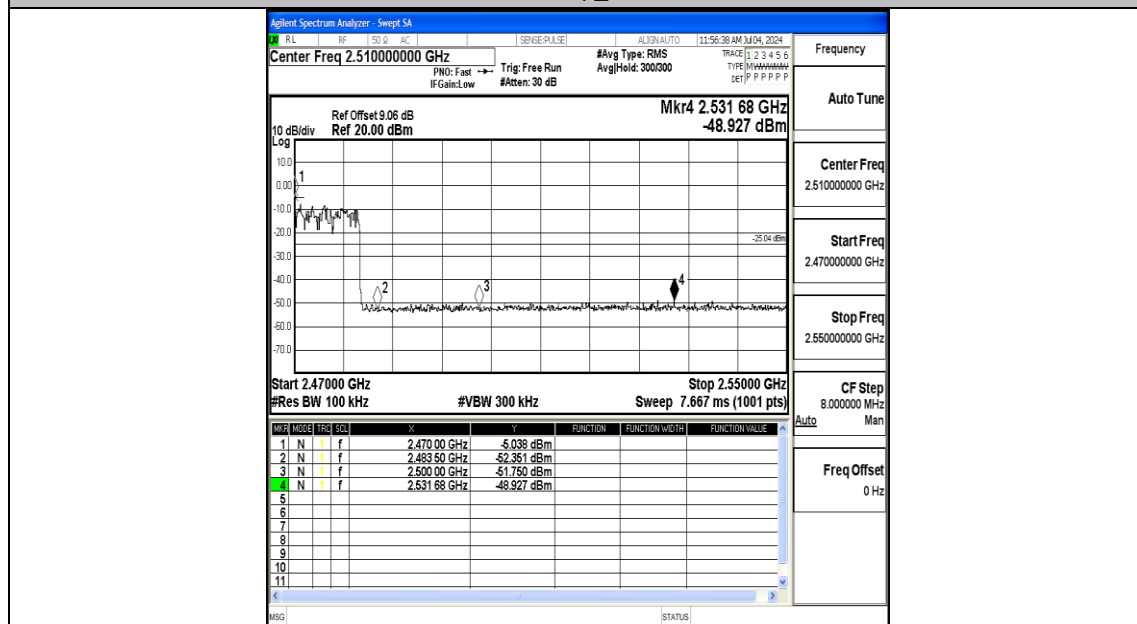
2DH5-Ant1-2402-PASS



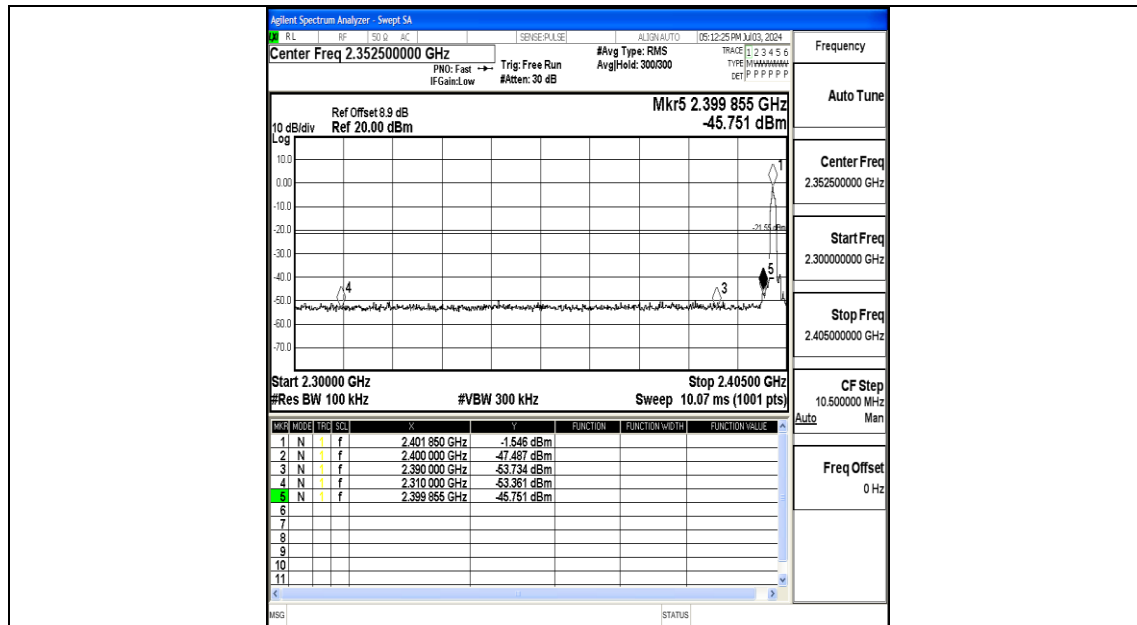
2DH5-Ant1-2480-PASS



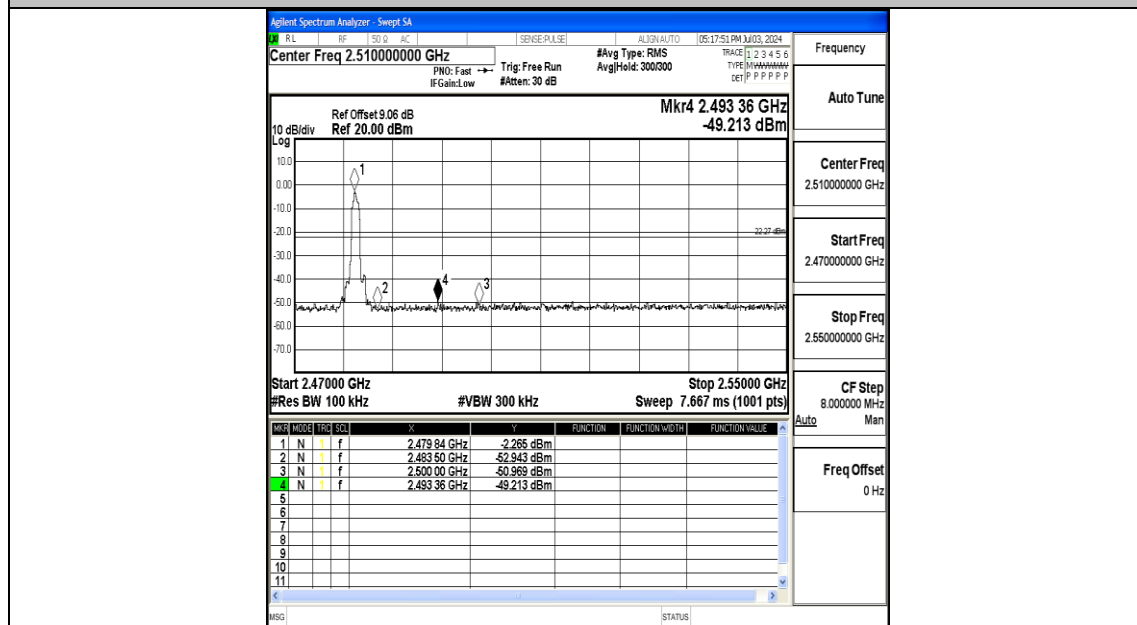
2DH5-Ant1-Hop_2402-PASS



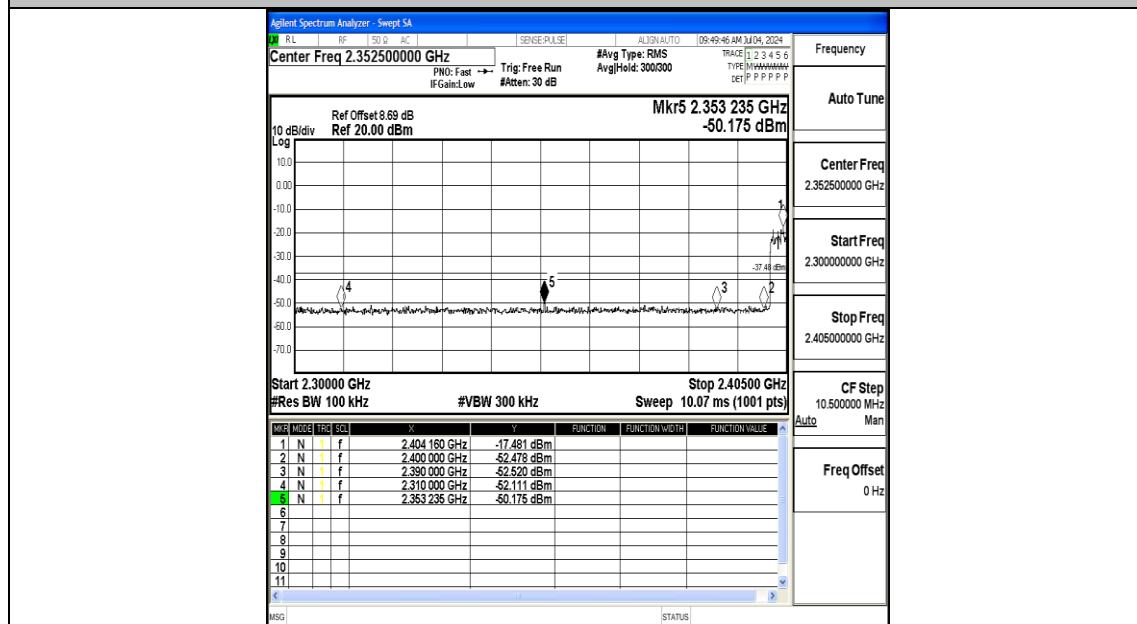
2DH5-Ant1-Hop_2480-PASS



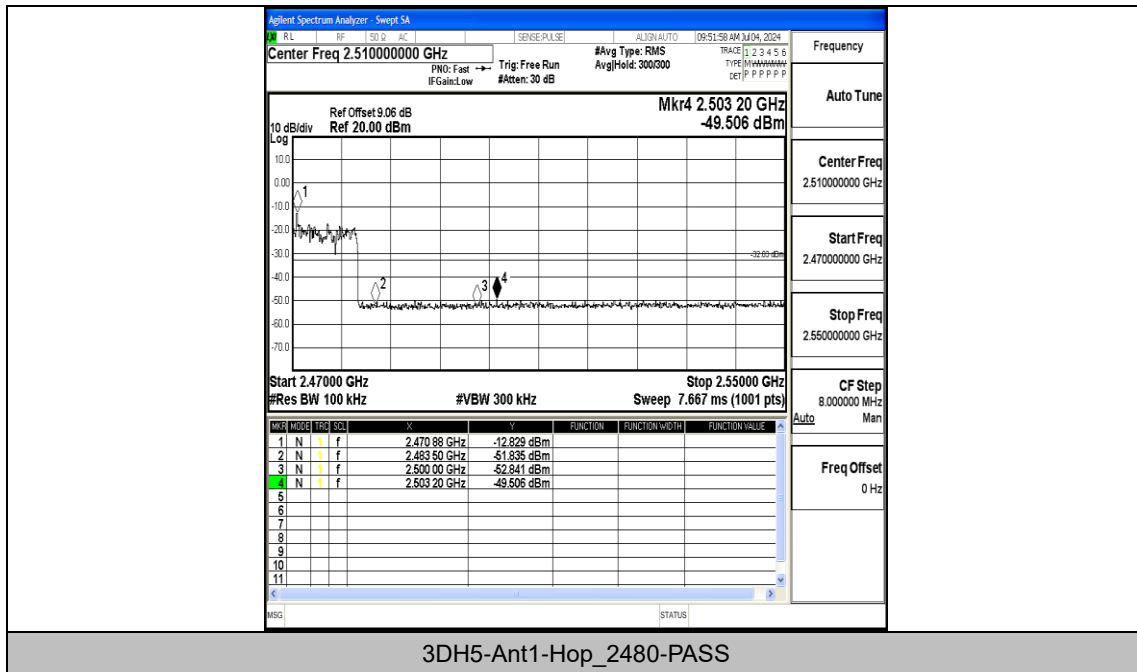
3DH5-Ant1-2402-PASS



3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS

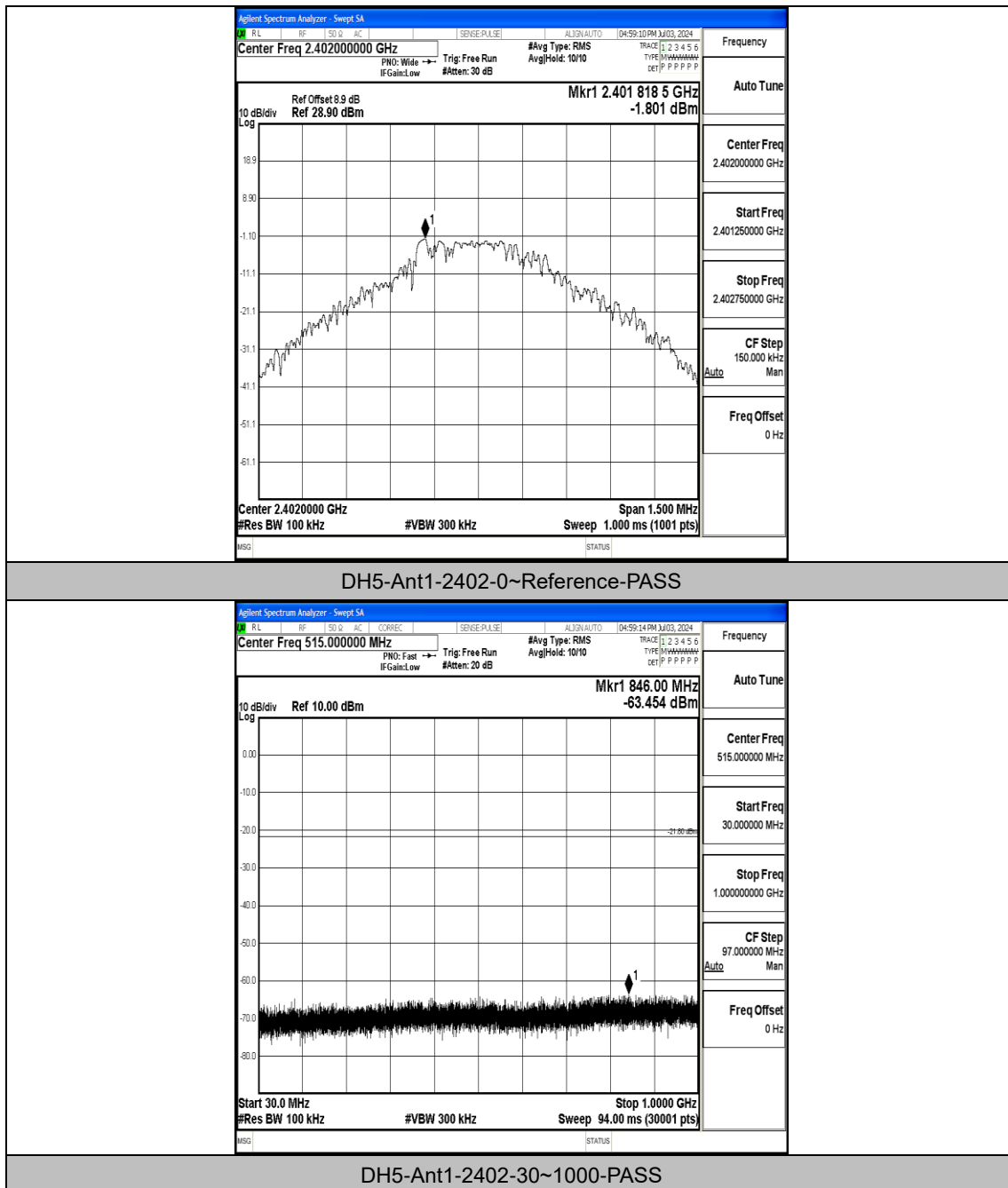


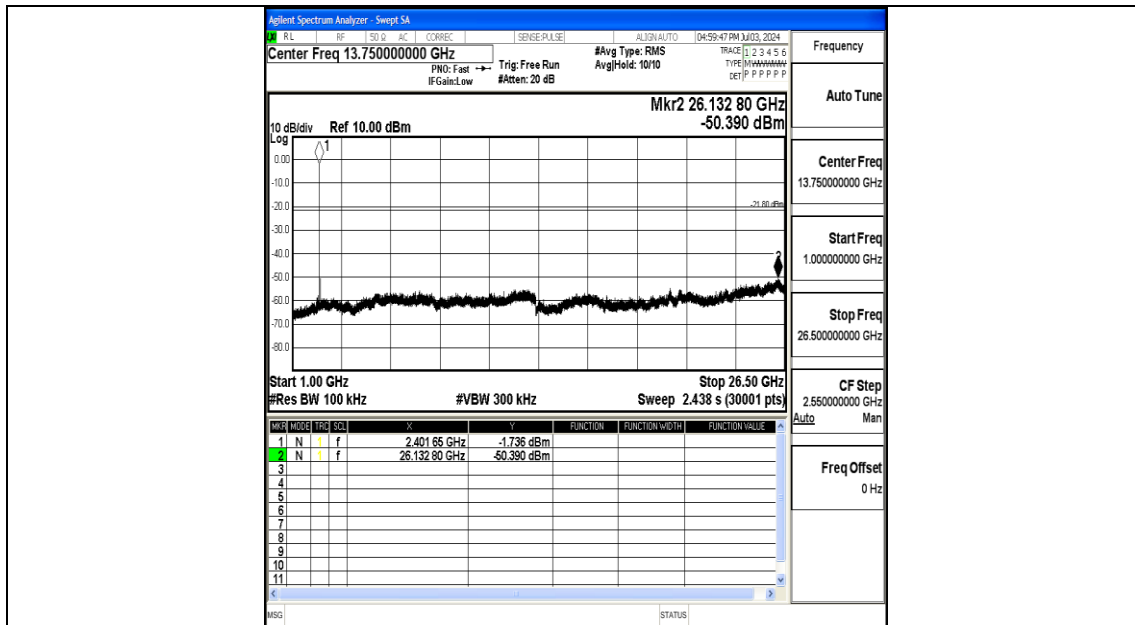
Appendix H: Conducted Spurious Emission

Test Result

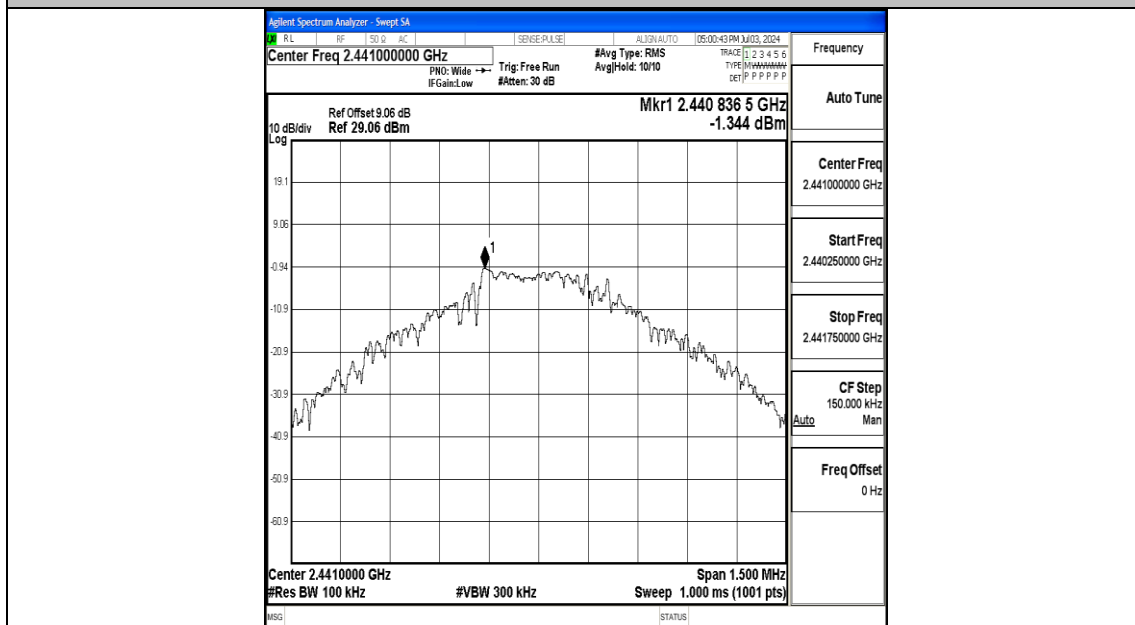
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.80	-1.80	---	PASS
DH5	Ant1	2402	30~1000	-1.80	-63.45	≤-21.8	PASS
DH5	Ant1	2402	1000~26500	-1.80	-50.39	≤-21.8	PASS
DH5	Ant1	2441	0~Reference	-1.34	-1.34	---	PASS
DH5	Ant1	2441	30~1000	-1.34	-62.59	≤-21.34	PASS
DH5	Ant1	2441	1000~26500	-1.34	-49.87	≤-21.34	PASS
DH5	Ant1	2480	0~Reference	-2.51	-2.51	---	PASS
DH5	Ant1	2480	30~1000	-2.51	-63.06	≤-22.51	PASS
DH5	Ant1	2480	1000~26500	-2.51	-50.38	≤-22.51	PASS
2DH5	Ant1	2402	0~Reference	-1.72	-1.72	---	PASS
2DH5	Ant1	2402	30~1000	-1.72	-63.36	≤-21.72	PASS
2DH5	Ant1	2402	1000~26500	-1.72	-45.82	≤-21.72	PASS
2DH5	Ant1	2441	0~Reference	-1.95	-1.95	---	PASS
2DH5	Ant1	2441	30~1000	-1.95	-62.24	≤-21.95	PASS
2DH5	Ant1	2441	1000~26500	-1.95	-49.32	≤-21.95	PASS
2DH5	Ant1	2480	0~Reference	-2.49	-2.49	---	PASS
2DH5	Ant1	2480	30~1000	-2.49	-62.62	≤-22.49	PASS
2DH5	Ant1	2480	1000~26500	-2.49	-50.46	≤-22.49	PASS
3DH5	Ant1	2402	0~Reference	-6.19	-6.19	---	PASS
3DH5	Ant1	2402	30~1000	-6.19	-62.12	≤-26.19	PASS
3DH5	Ant1	2402	1000~26500	-6.19	-50.44	≤-26.19	PASS
3DH5	Ant1	2441	0~Reference	-2.41	-2.41	---	PASS
3DH5	Ant1	2441	30~1000	-2.41	-62.63	≤-22.41	PASS
3DH5	Ant1	2441	1000~26500	-2.41	-50.21	≤-22.41	PASS
3DH5	Ant1	2480	0~Reference	-2.11	-2.11	---	PASS
3DH5	Ant1	2480	30~1000	-2.11	-63.04	≤-22.11	PASS
3DH5	Ant1	2480	1000~26500	-2.11	-50.48	≤-22.11	PASS

Test Graphs

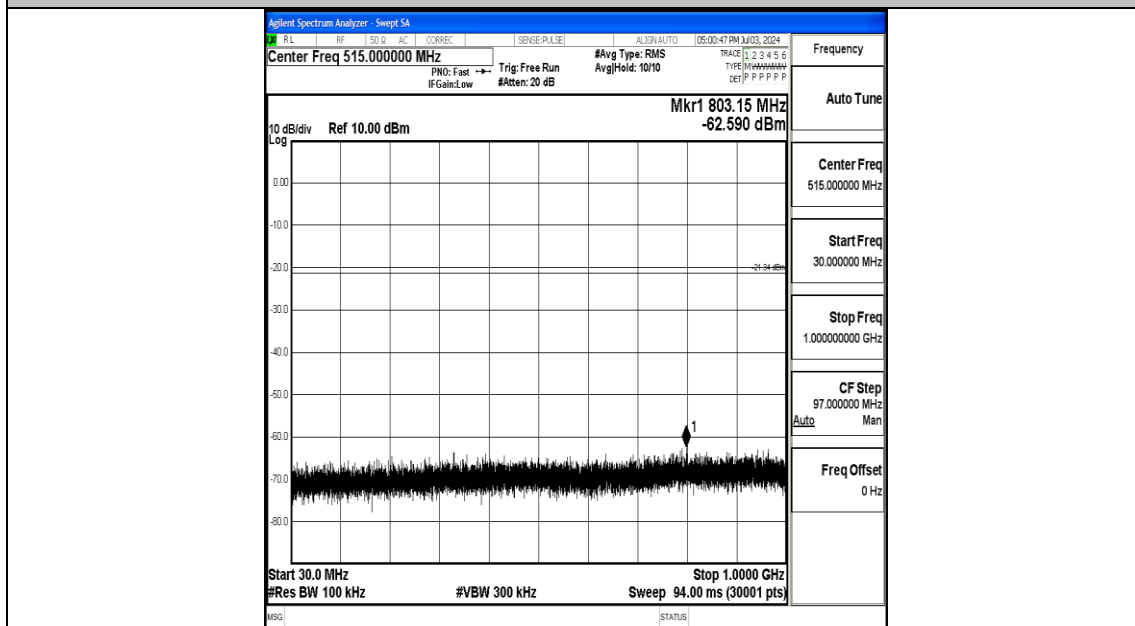




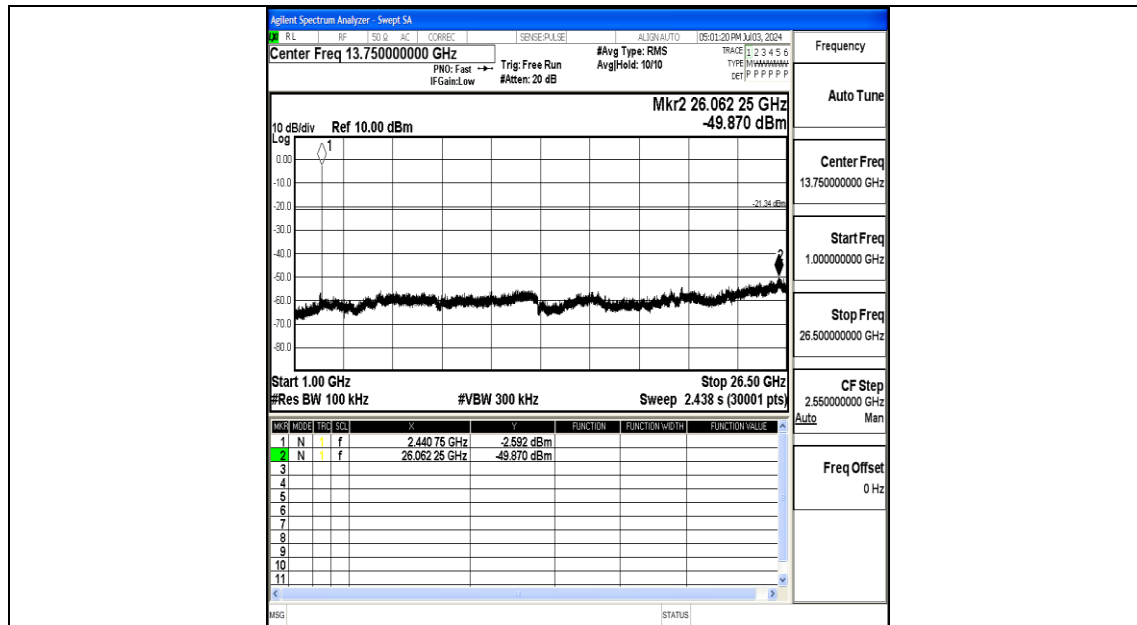
DH5-Ant1-2402-1000~26500-PASS



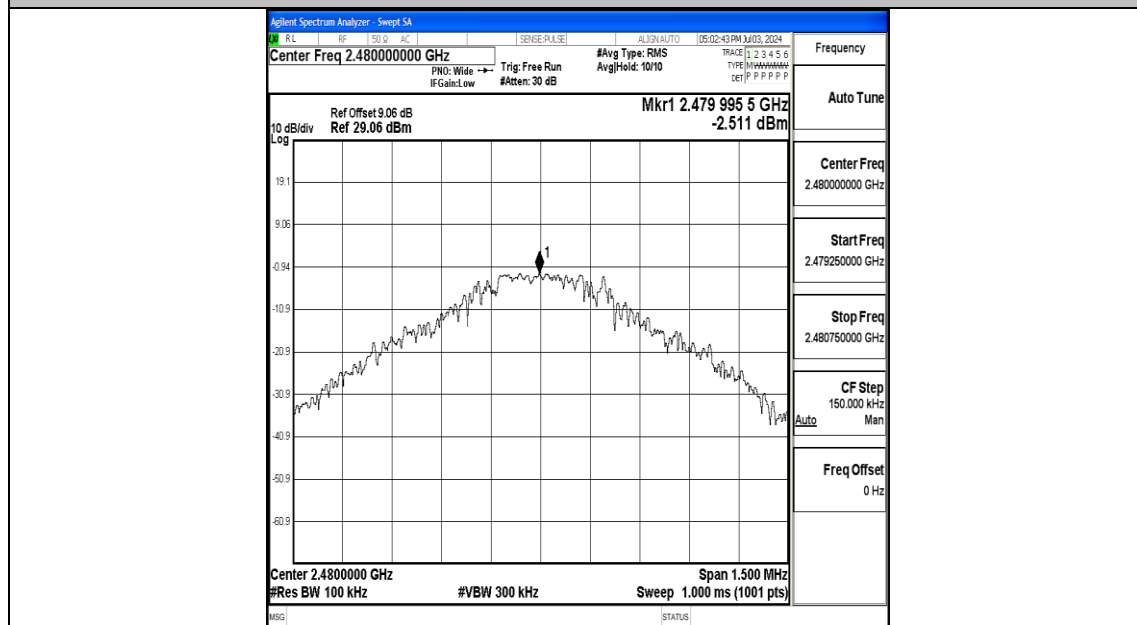
DH5-Ant1-2441-0~Reference-PASS



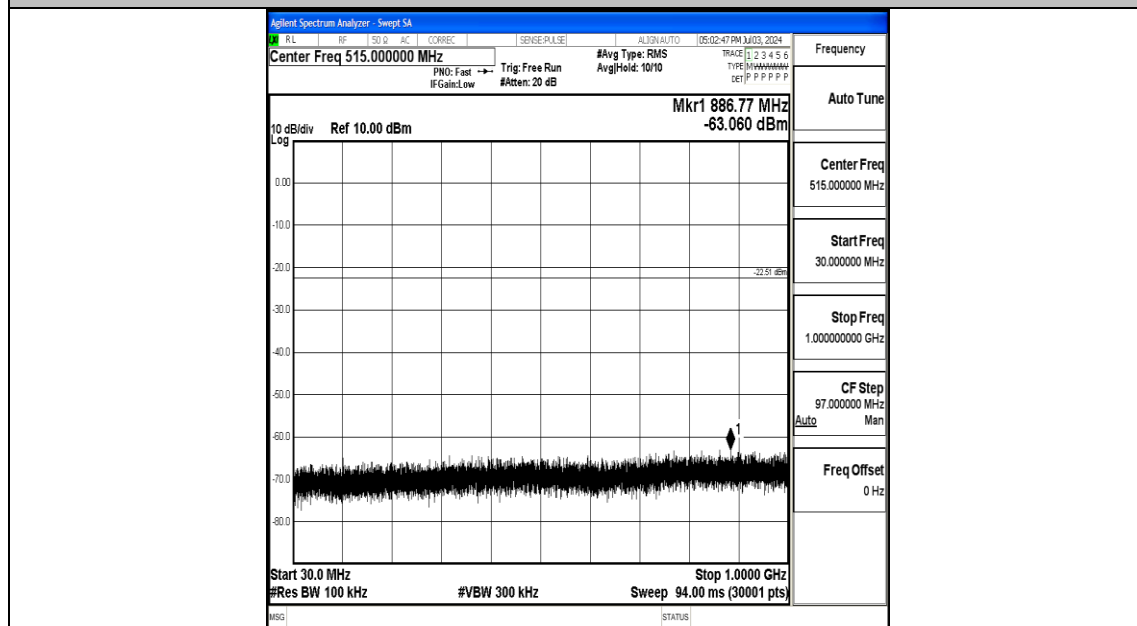
DH5-Ant1-2441-30~1000-PASS



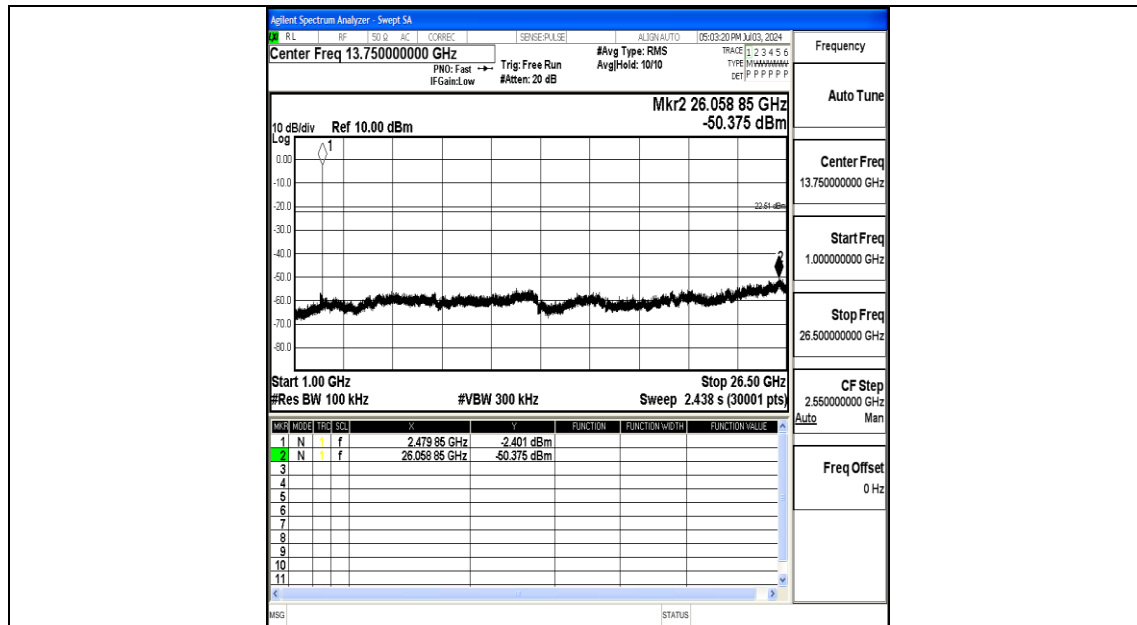
DH5-Ant1-2441-1000~26500-PASS



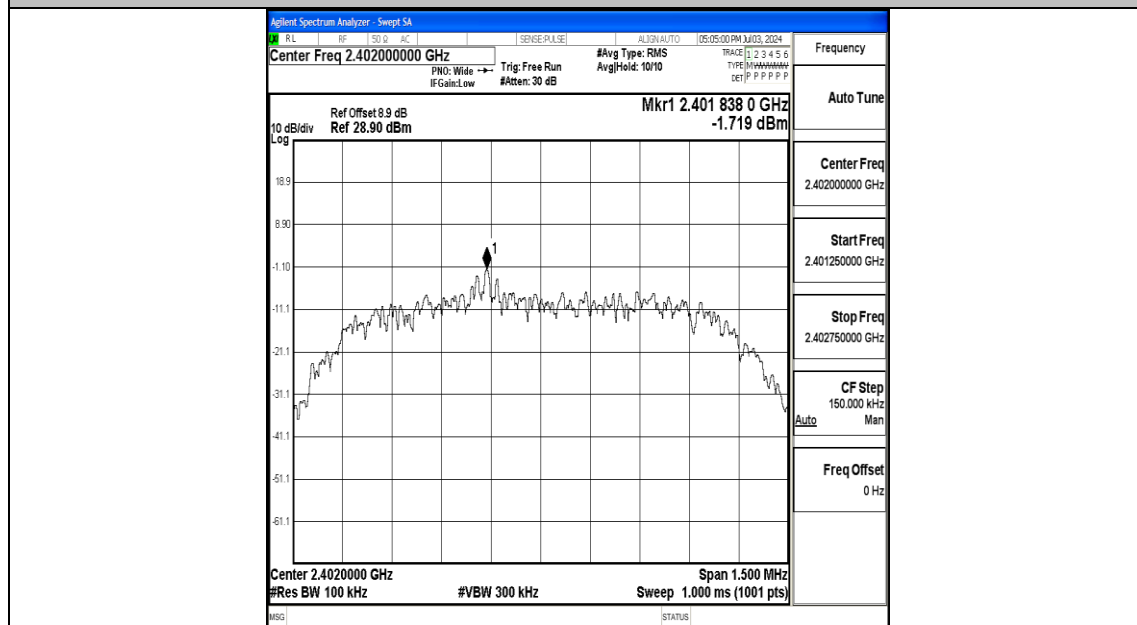
DH5-Ant1-2480-0~Reference-PASS



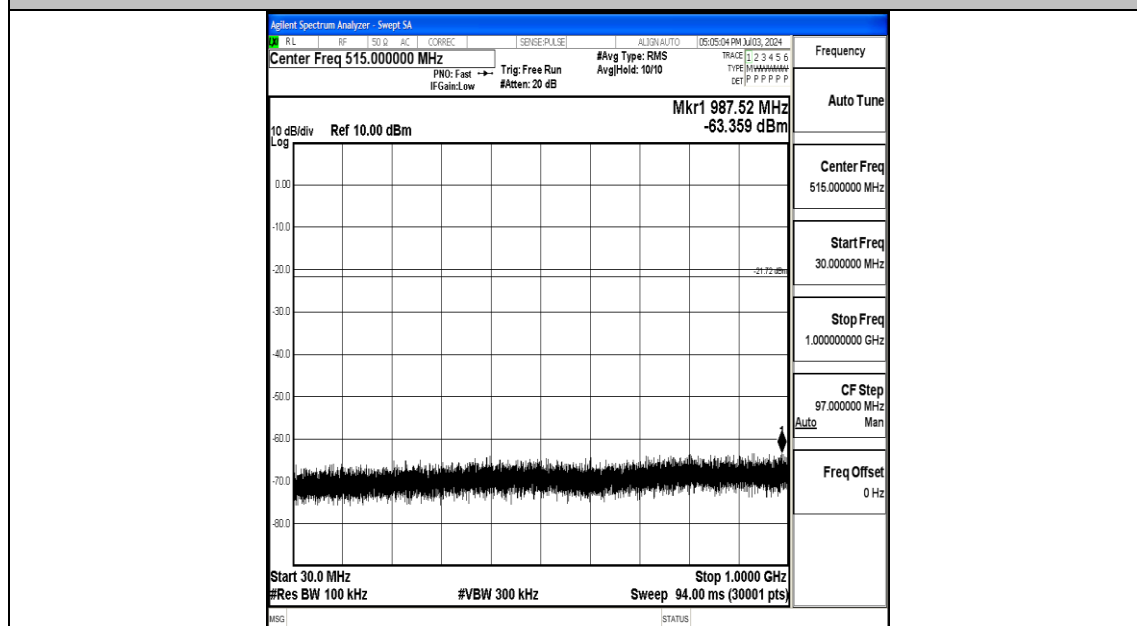
DH5-Ant1-2480-30~1000-PASS



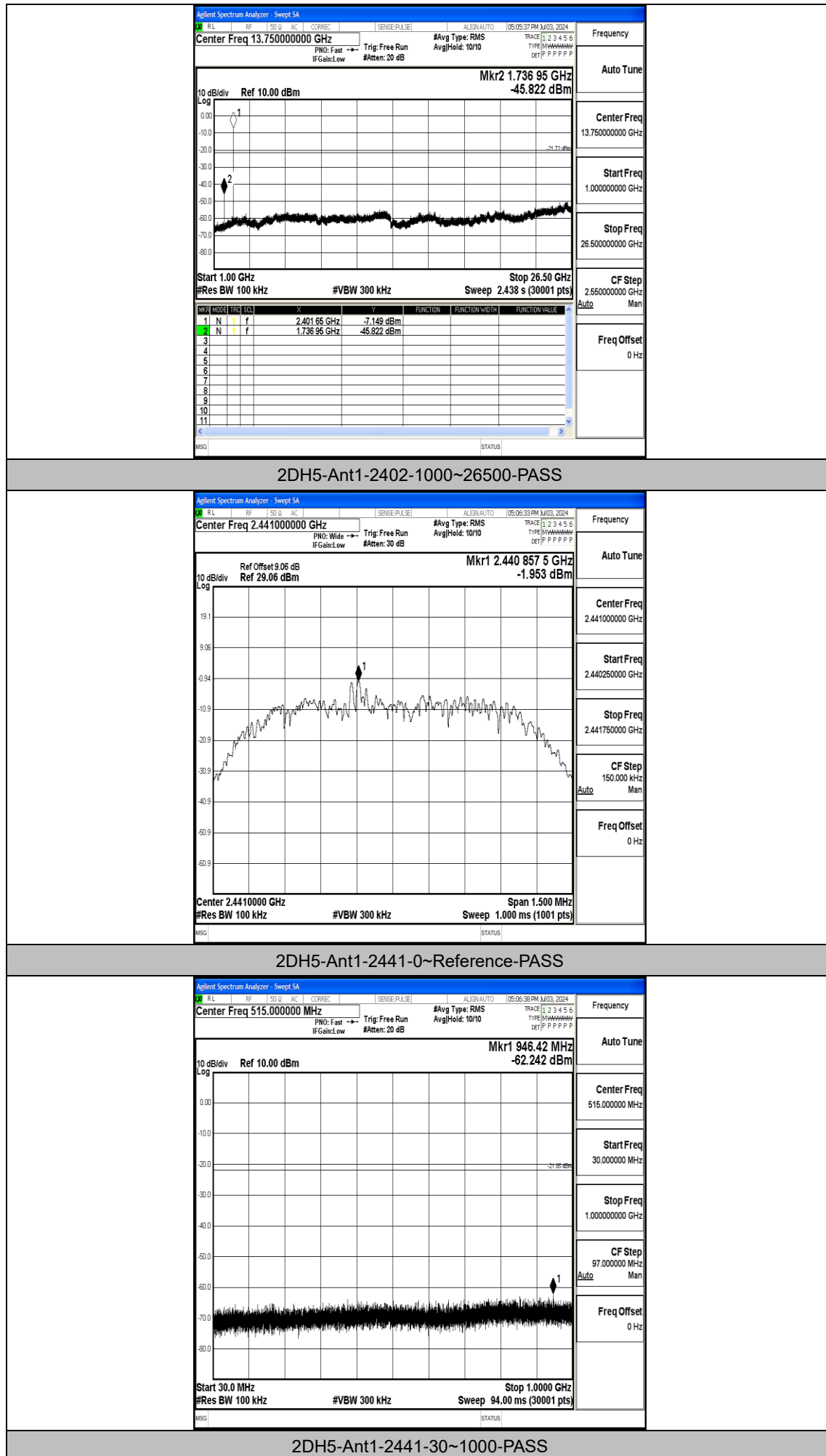
DH5-Ant1-2480-1000~26500-PASS

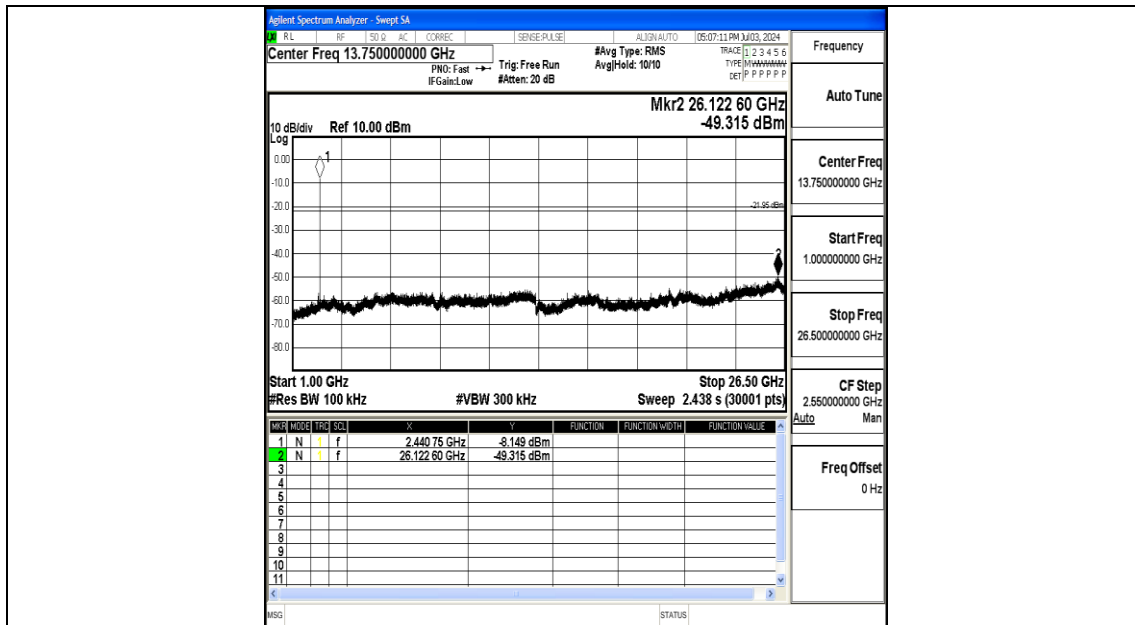


2DH5-Ant1-2402-0~Reference-PASS

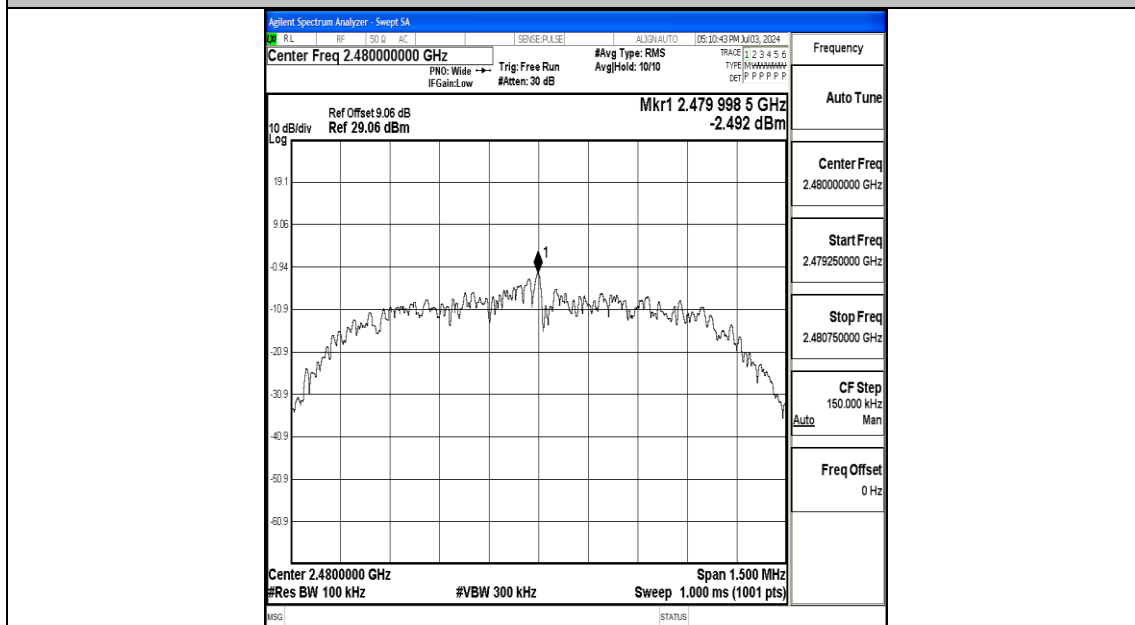


2DH5-Ant1-2402-30~1000-PASS

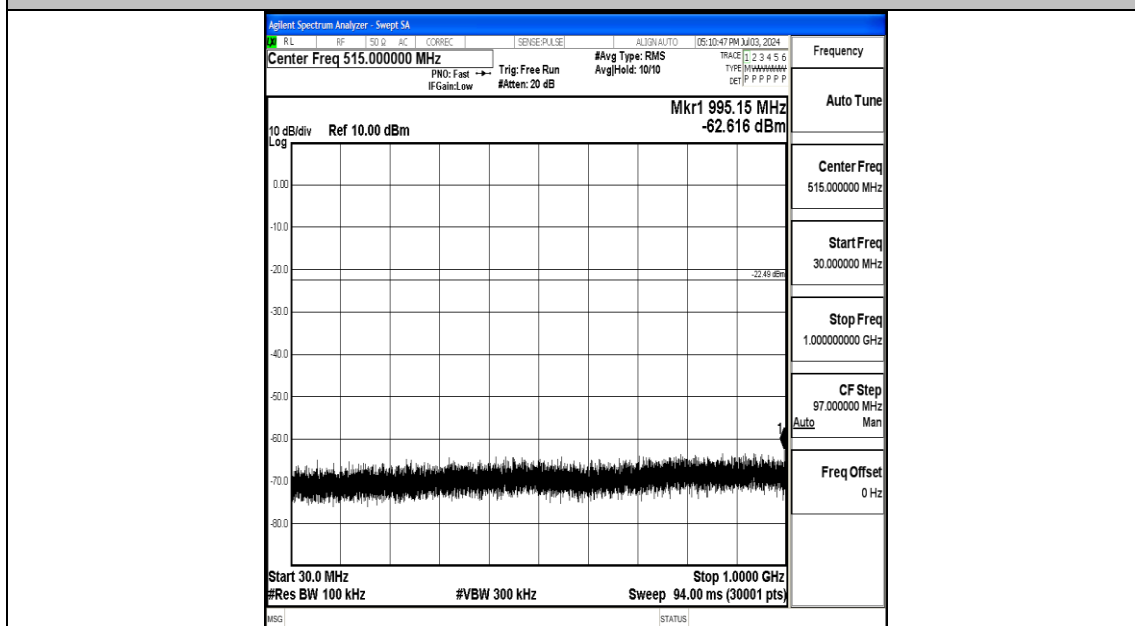




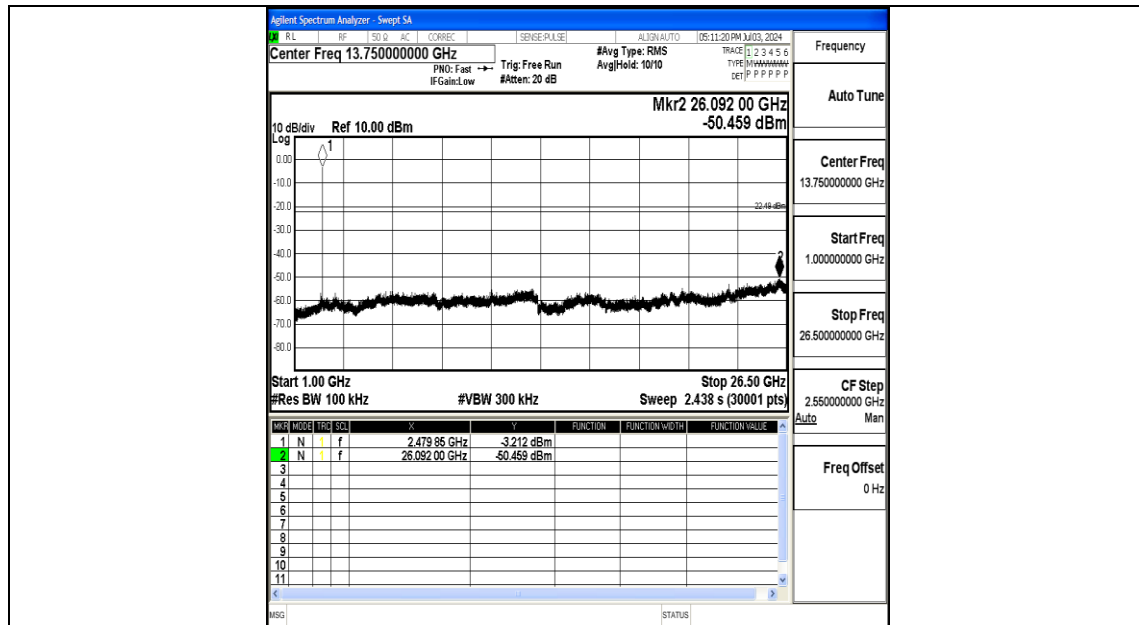
2DH5-Ant1-2441-1000~26500-PASS



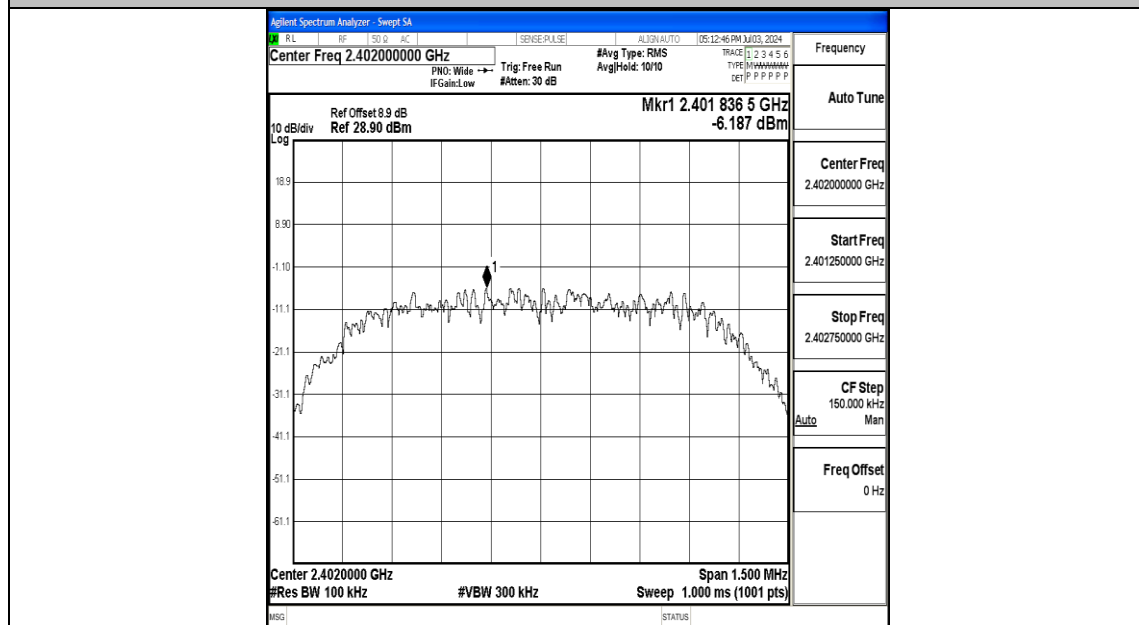
2DH5-Ant1-2480-0~Reference-PASS



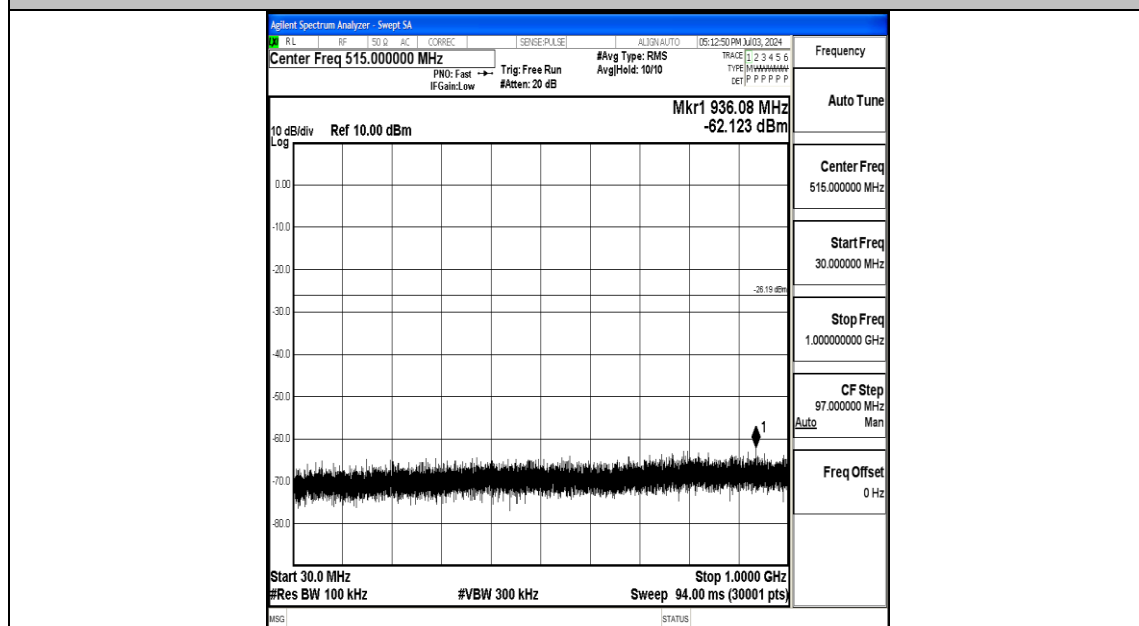
2DH5-Ant1-2480-30~1000-PASS



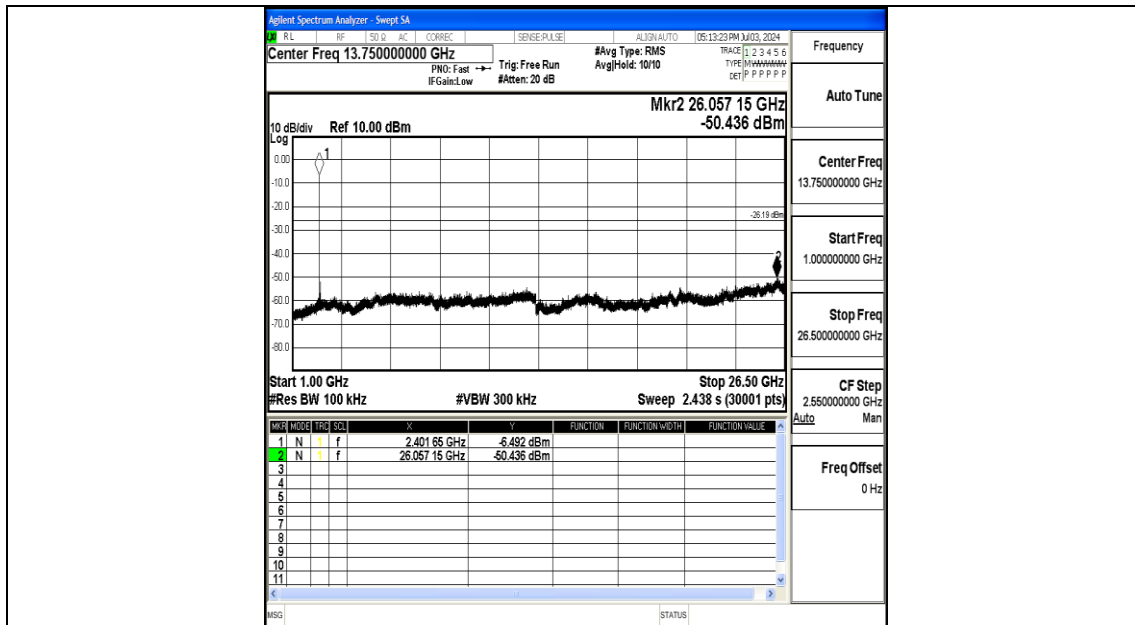
2DH5-Ant1-2480-1000~26500-PASS



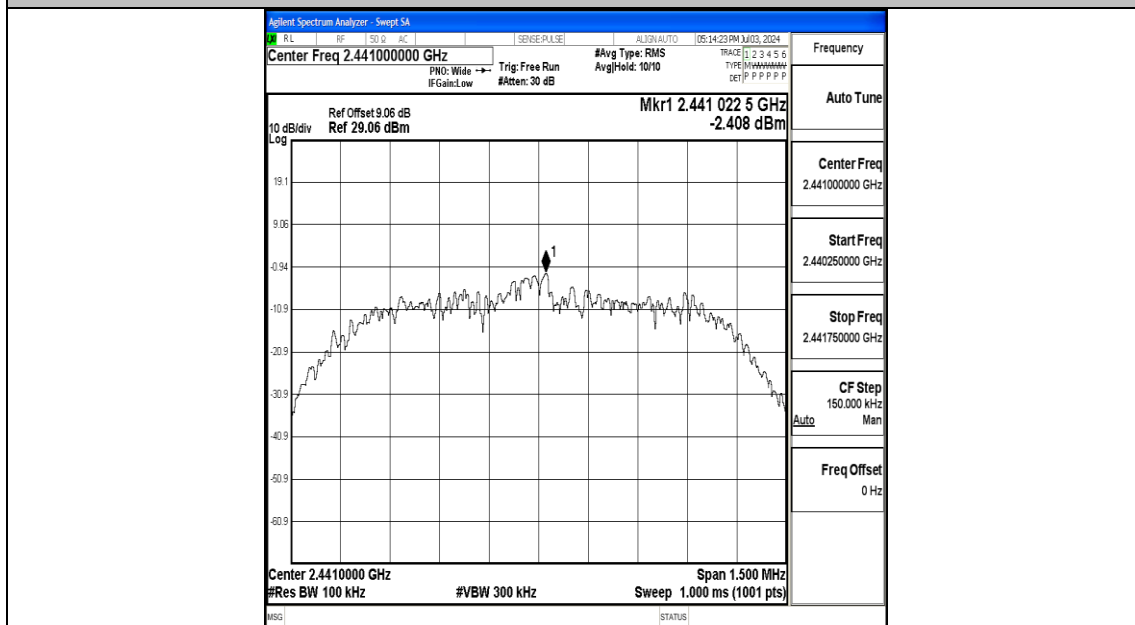
3DH5-Ant1-2402-0~Reference-PASS



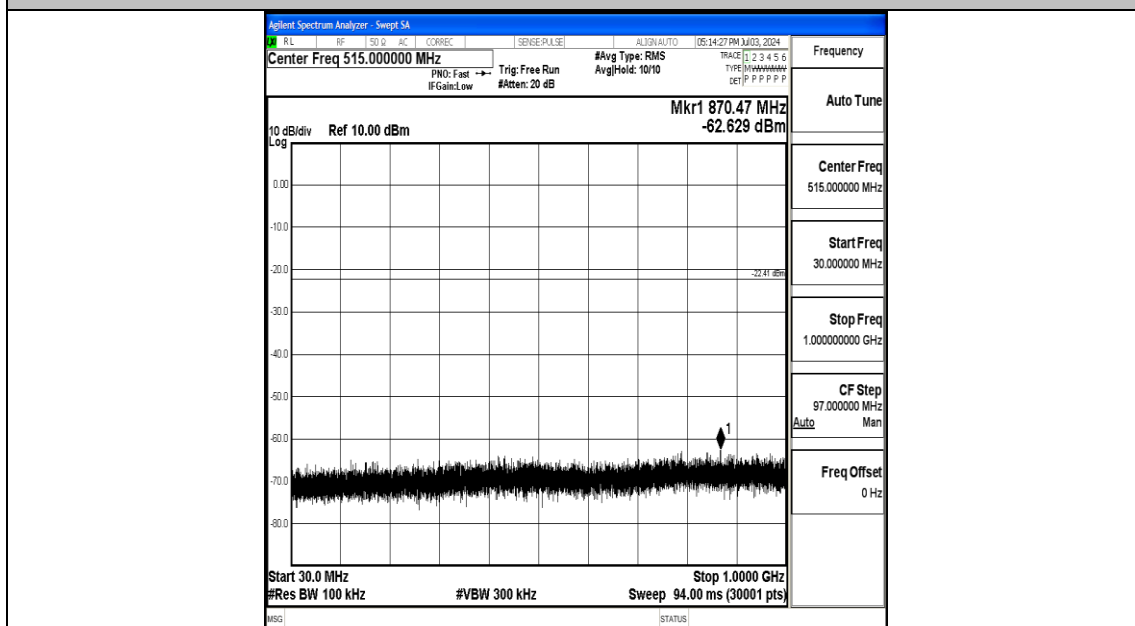
3DH5-Ant1-2402-30~1000-PASS



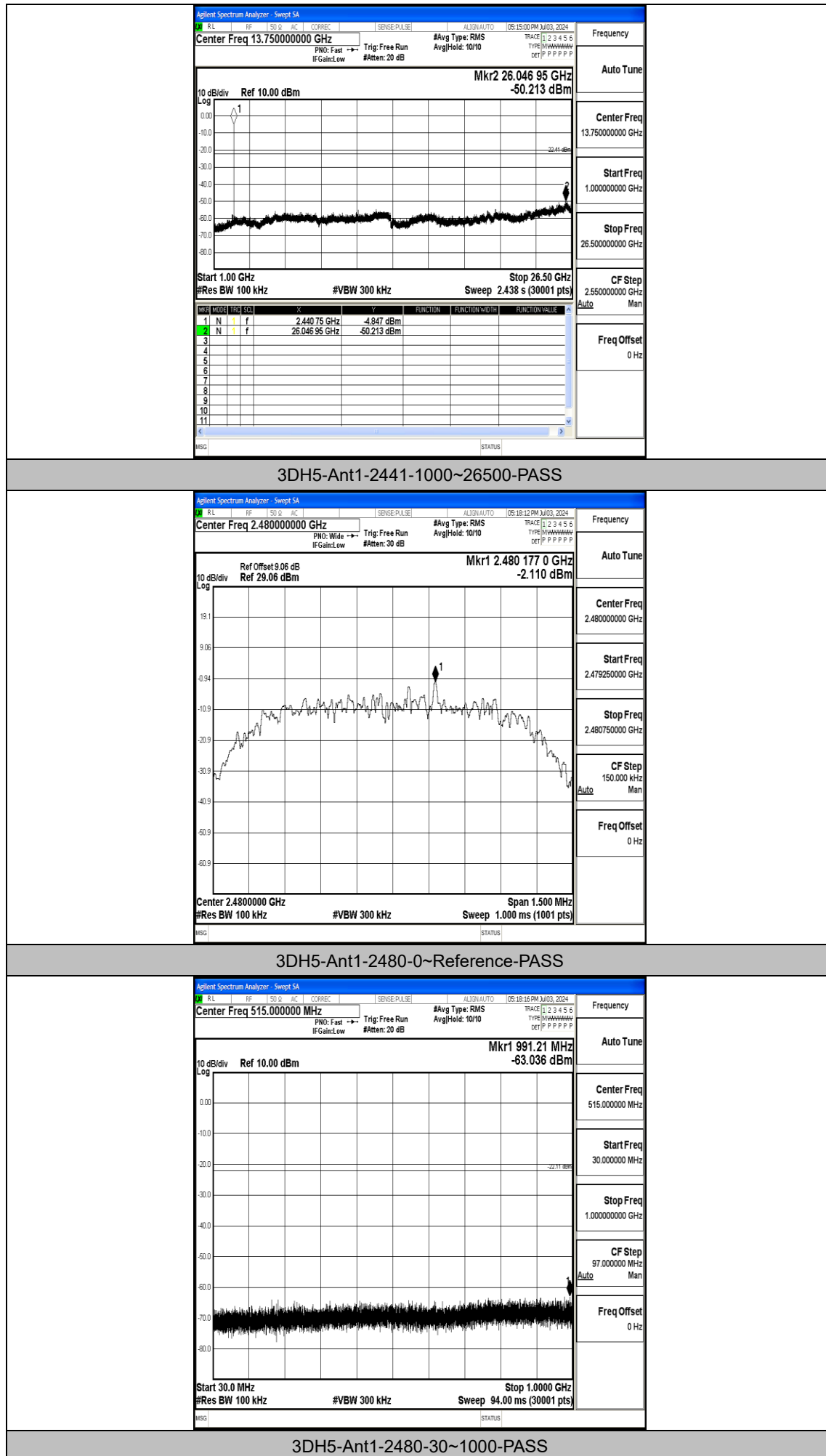
3DH5-Ant1-2402-1000~26500-PASS

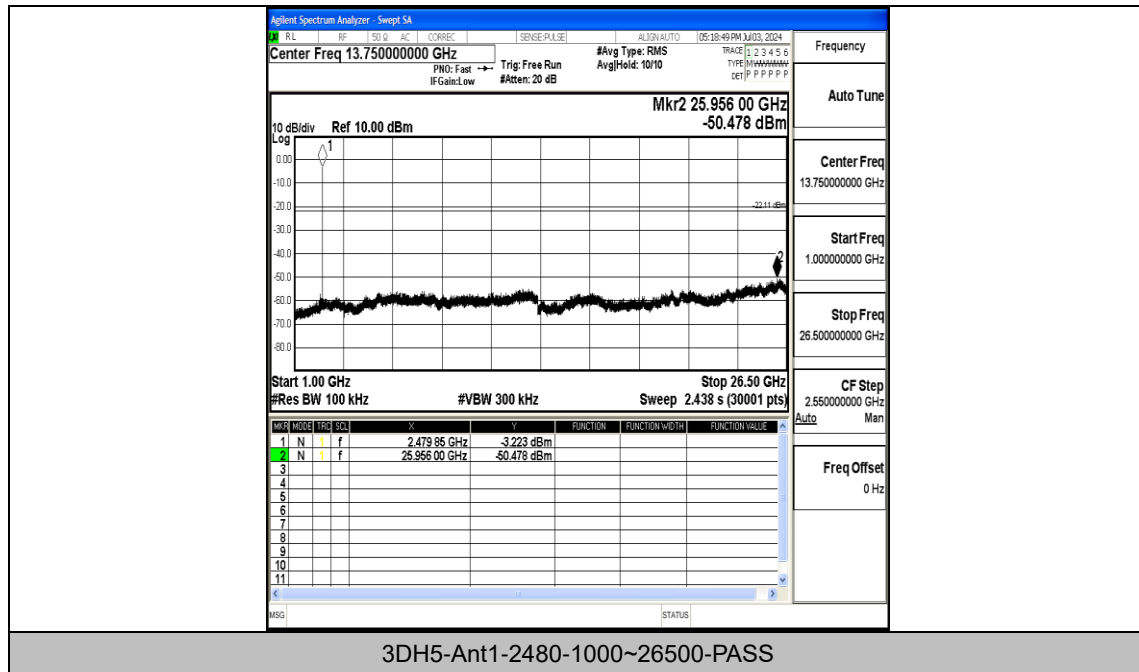


3DH5-Ant1-2441-0~Reference-PASS



3DH5-Ant1-2441-30~1000-PASS





Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.87	3.75	76.53	1.16
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	2.87	3.75	76.53	1.16
2DH5	Ant1	2441	2.89	3.76	76.86	1.14
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	2.89	3.75	77.07	1.13
3DH5	Ant1	2480	2.88	3.75	76.80	1.15

Test Graphs

