

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

Product Name: Bluetooth glasses

Trade Mark: N/A

Test Model: Bluetooth glasses

FCC ID: 2BFD9-GLASSESESES

Environmental Conditions

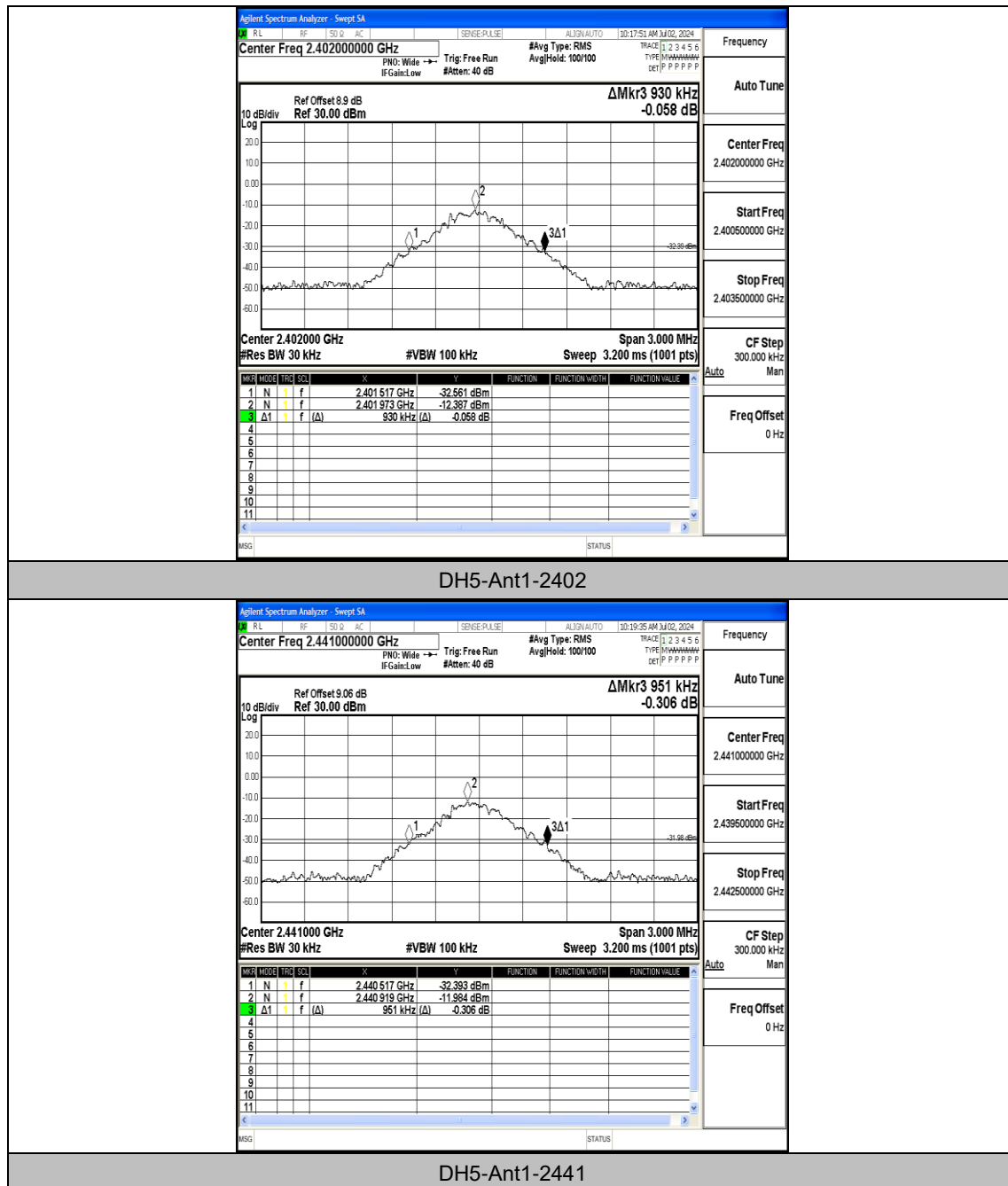
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

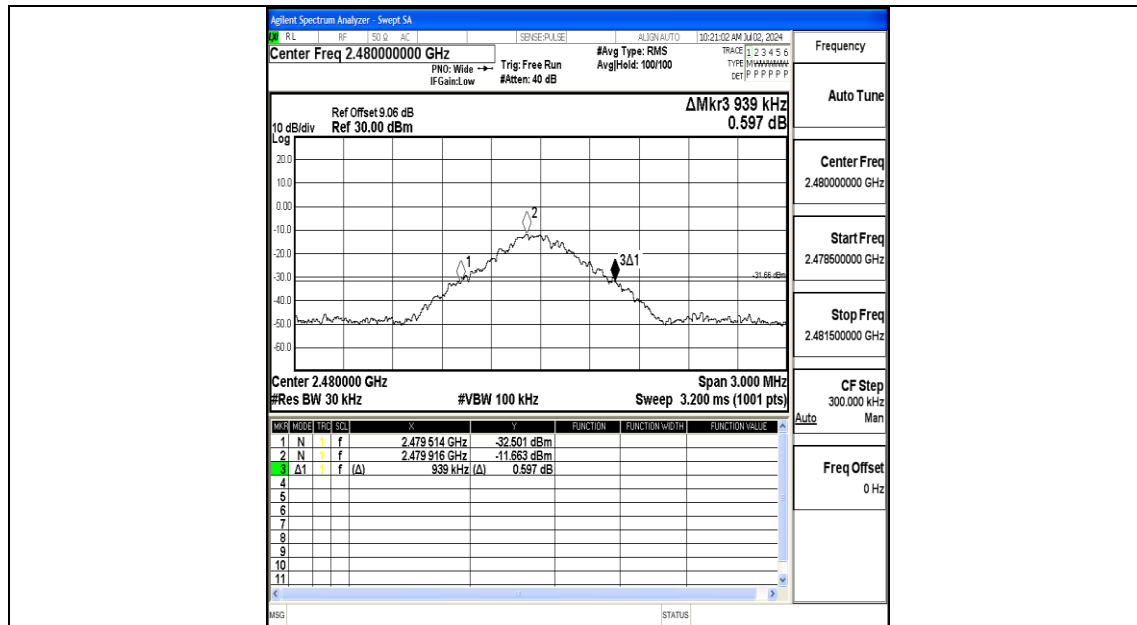
Appendix A: 20dB Emission Bandwidth

Test Result

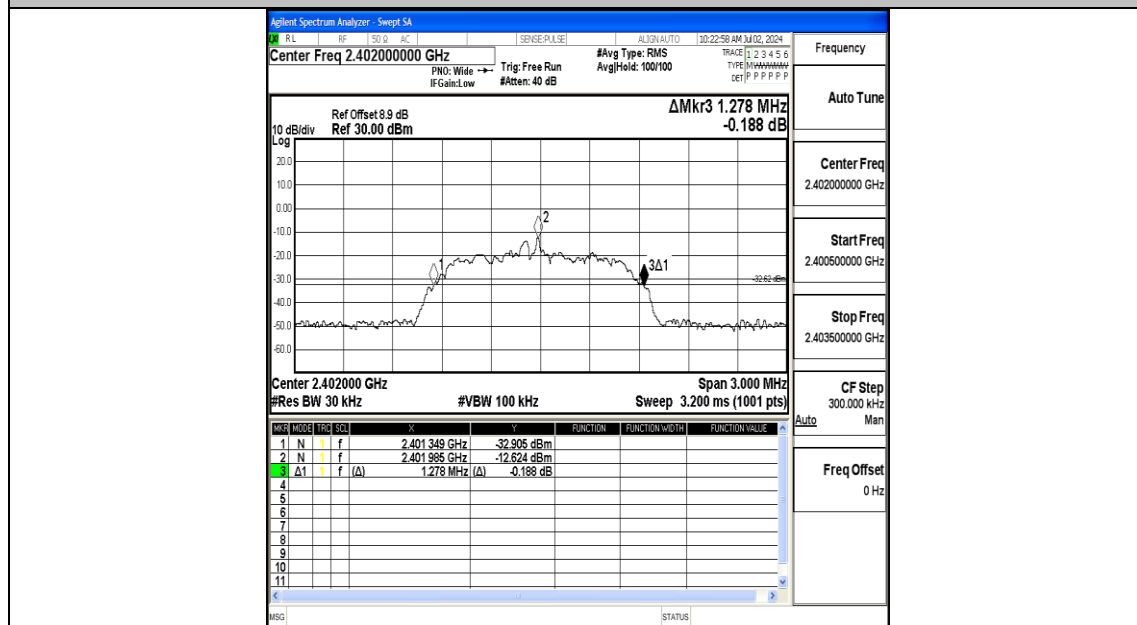
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.930	2401.517	2402.447	---	---
DH5	Ant1	2441	0.951	2440.517	2441.468	---	---
DH5	Ant1	2480	0.939	2479.514	2480.453	---	---
2DH5	Ant1	2402	1.278	2401.349	2402.627	---	---
2DH5	Ant1	2441	1.281	2440.346	2441.627	---	---
2DH5	Ant1	2480	1.335	2479.310	2480.645	---	---
3DH5	Ant1	2402	1.290	2401.334	2402.624	---	---
3DH5	Ant1	2441	1.296	2440.331	2441.627	---	---
3DH5	Ant1	2480	1.308	2479.325	2480.633	---	---

Test Graphs

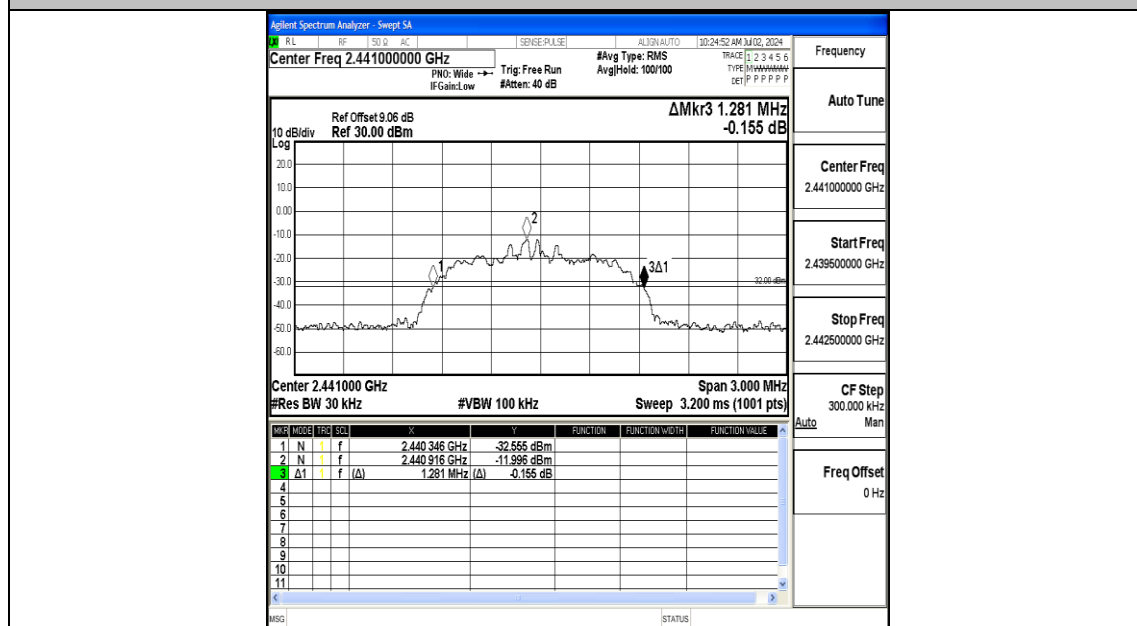




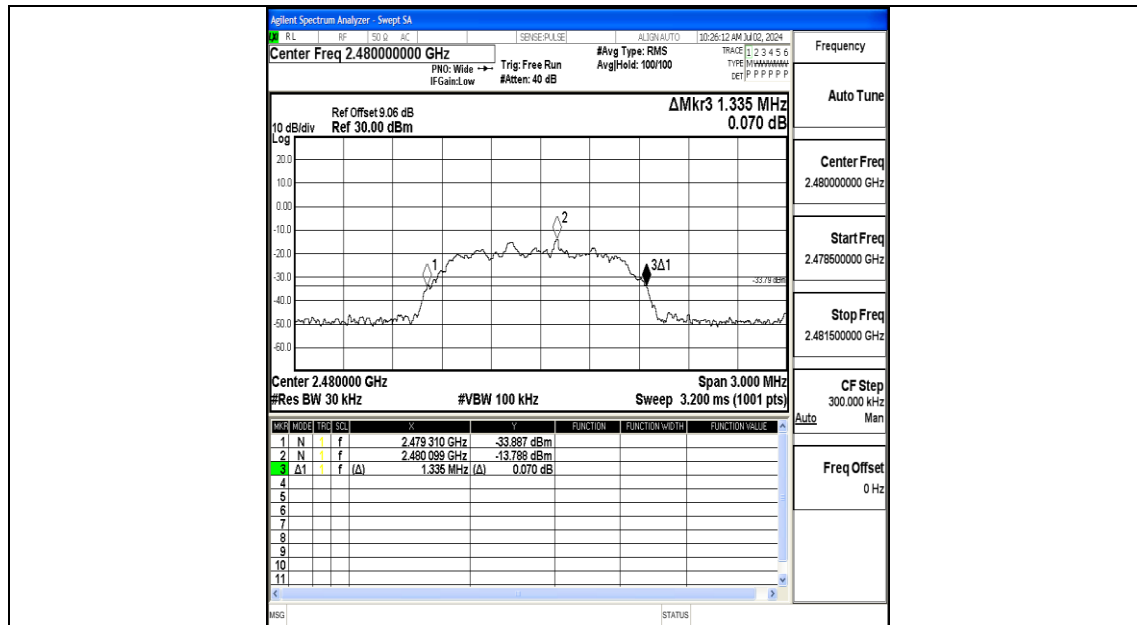
DH5-Ant1-2480



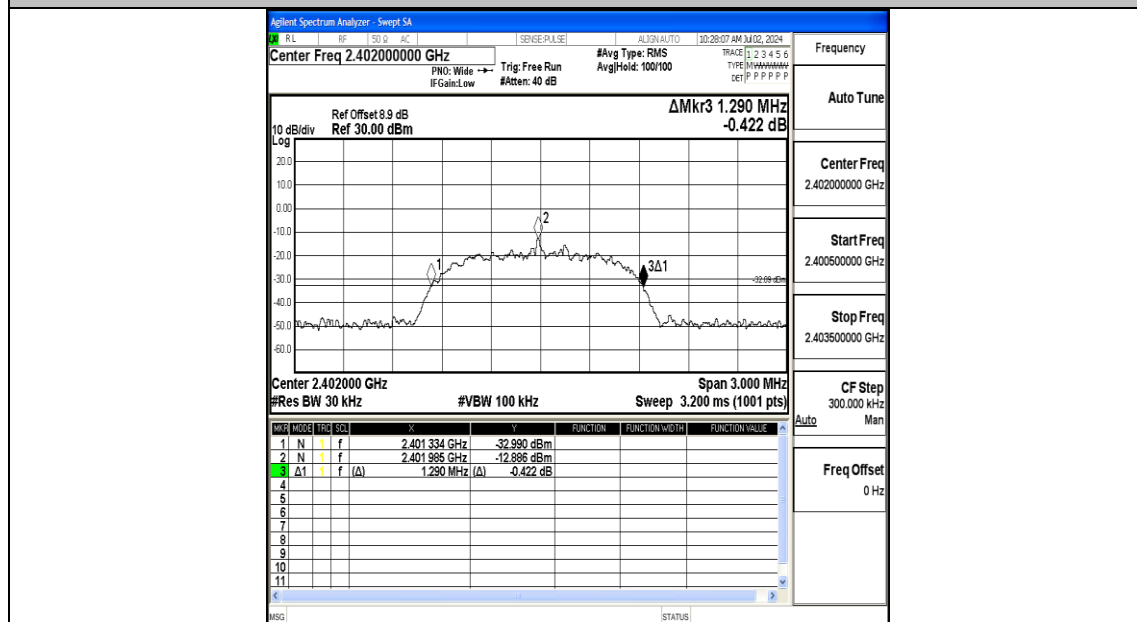
2DH5-Ant1-2402



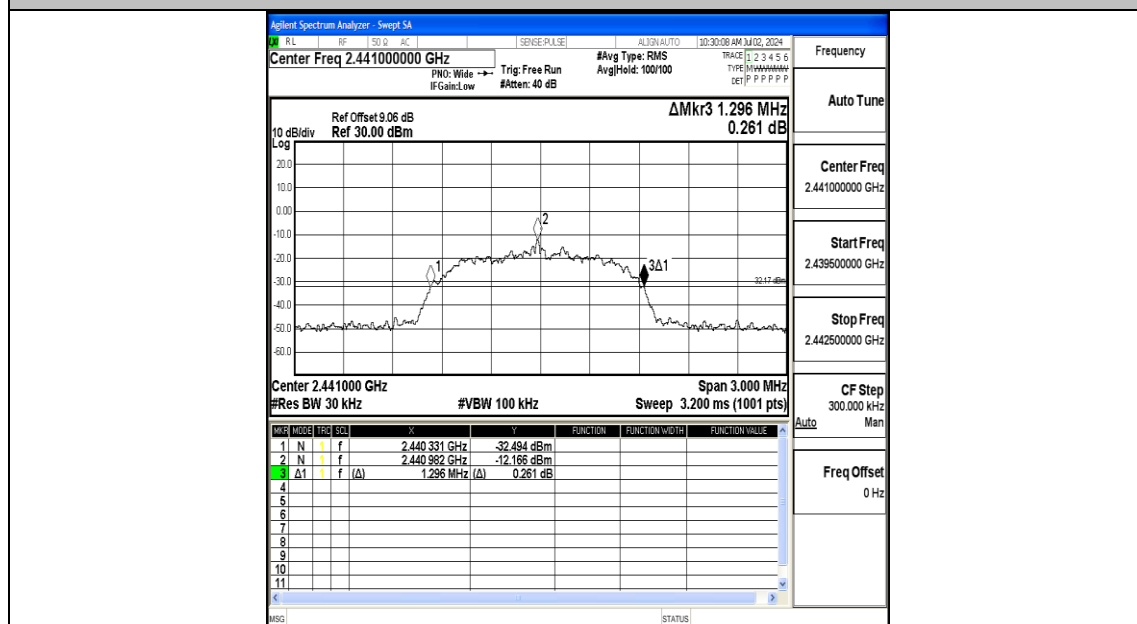
2DH5-Ant1-2441



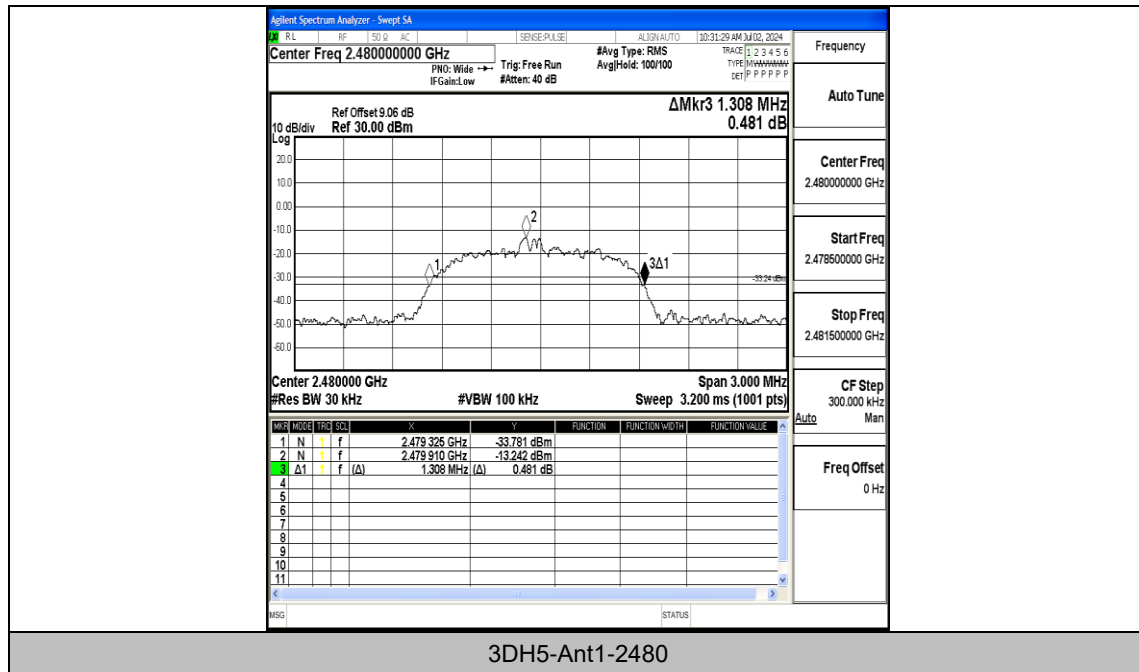
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441

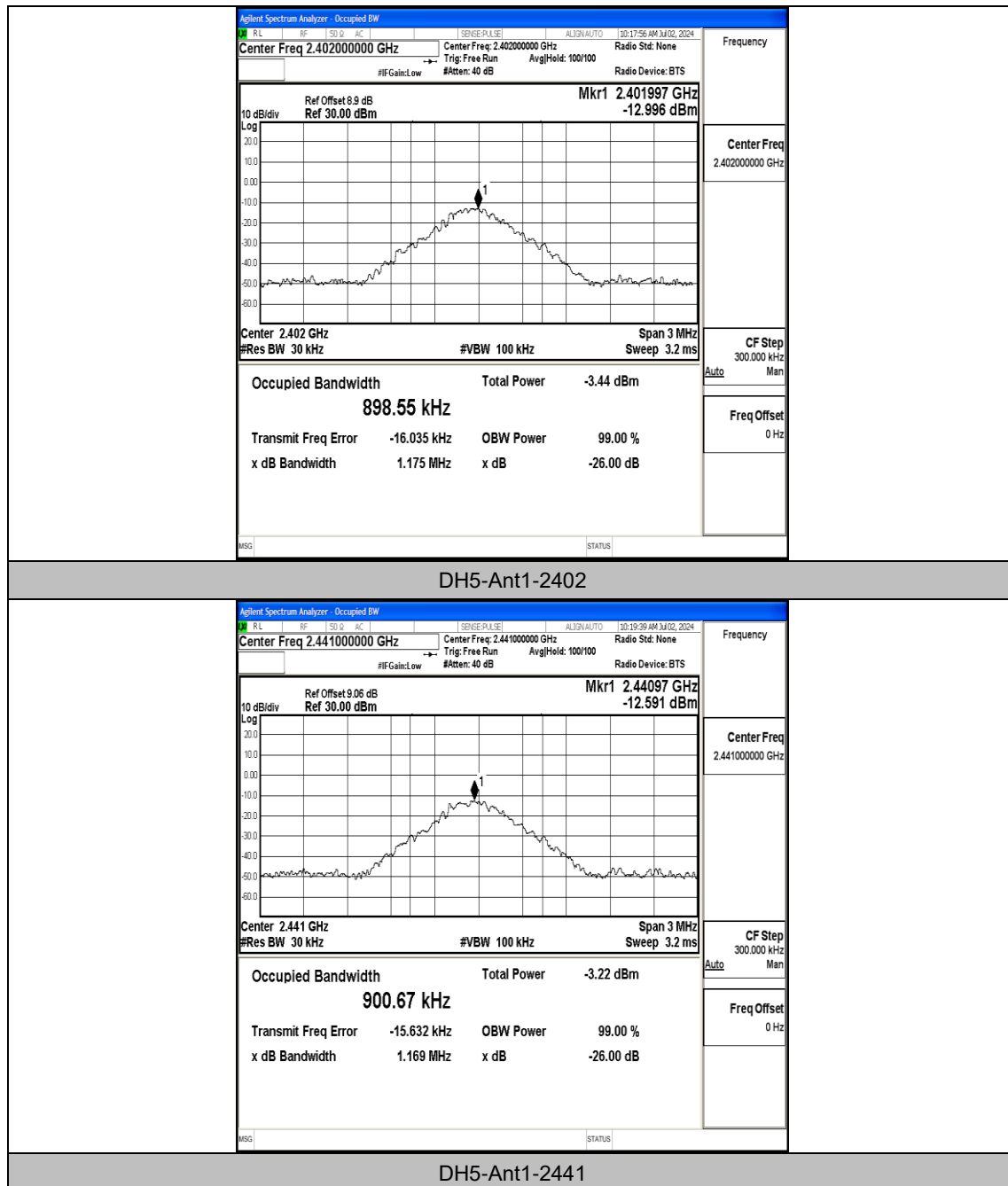


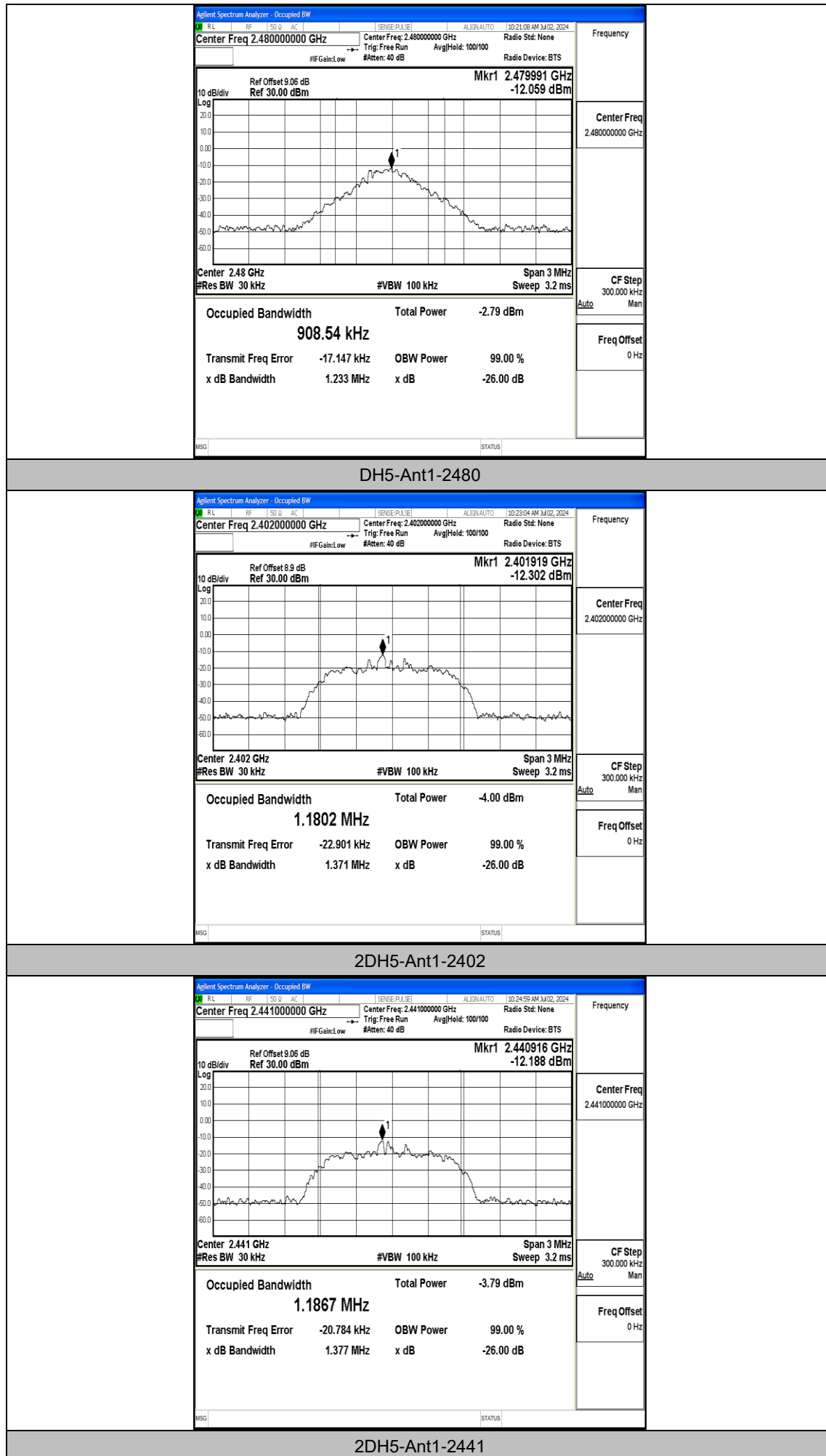
Appendix B: Occupied Channel Bandwidth

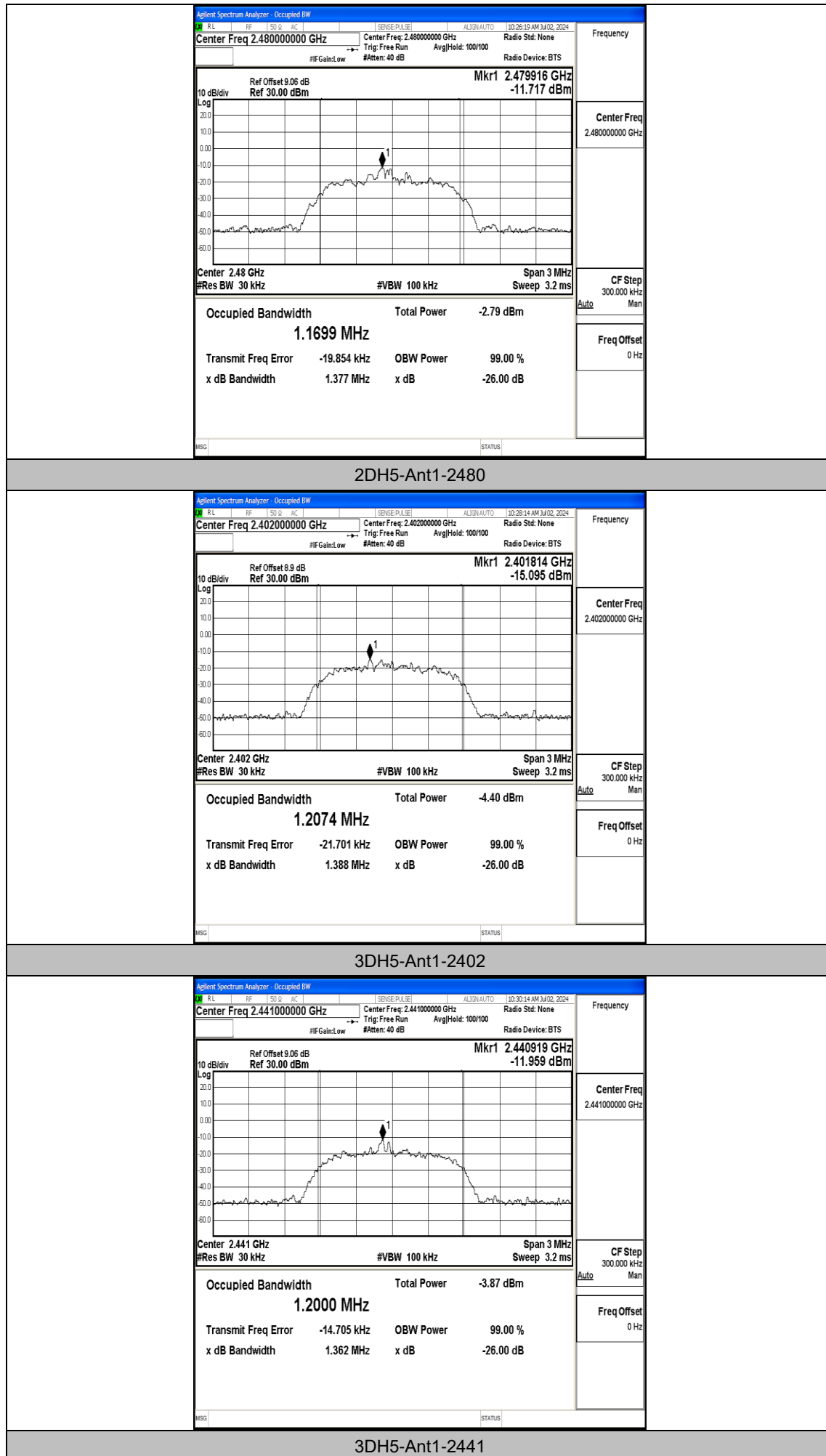
Test Result

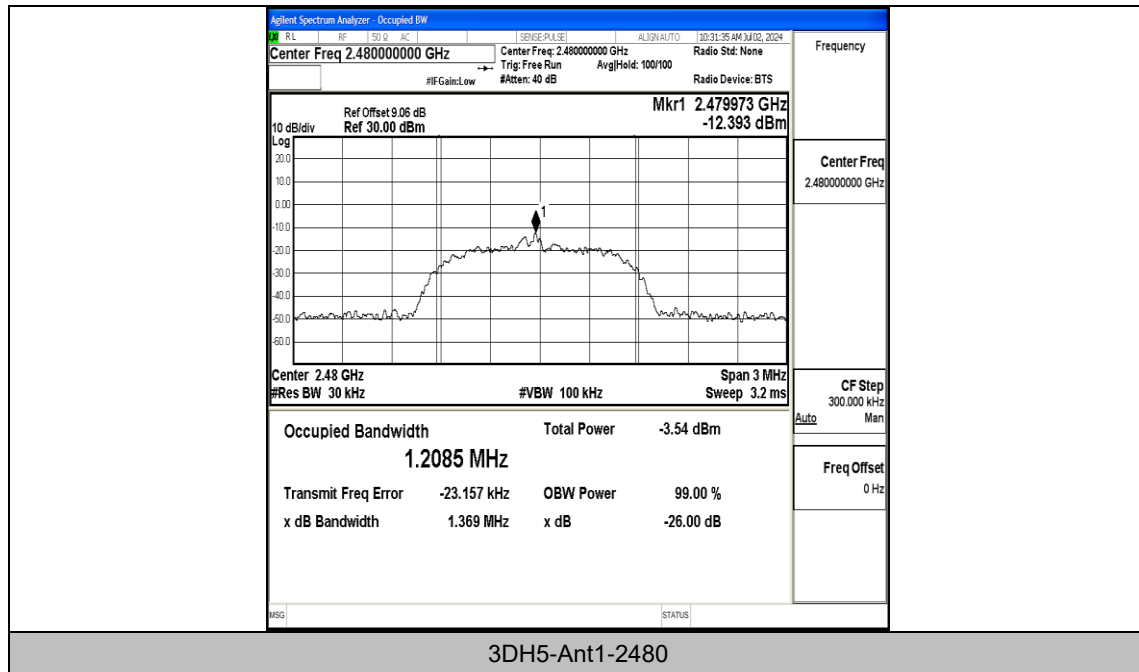
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89855	2401.5347	2402.4332	---	---
DH5	Ant1	2441	0.90067	2440.5340	2441.4347	---	---
DH5	Ant1	2480	0.90854	2479.5286	2480.4371	---	---
2DH5	Ant1	2402	1.1802	2401.3870	2402.5672	---	---
2DH5	Ant1	2441	1.1867	2440.3859	2441.5726	---	---
2DH5	Ant1	2480	1.1699	2479.3952	2480.5651	---	---
3DH5	Ant1	2402	1.2074	2401.3746	2402.5820	---	---
3DH5	Ant1	2441	1.2000	2440.3853	2441.5853	---	---
3DH5	Ant1	2480	1.2085	2479.3726	2480.5811	---	---

Test Graphs







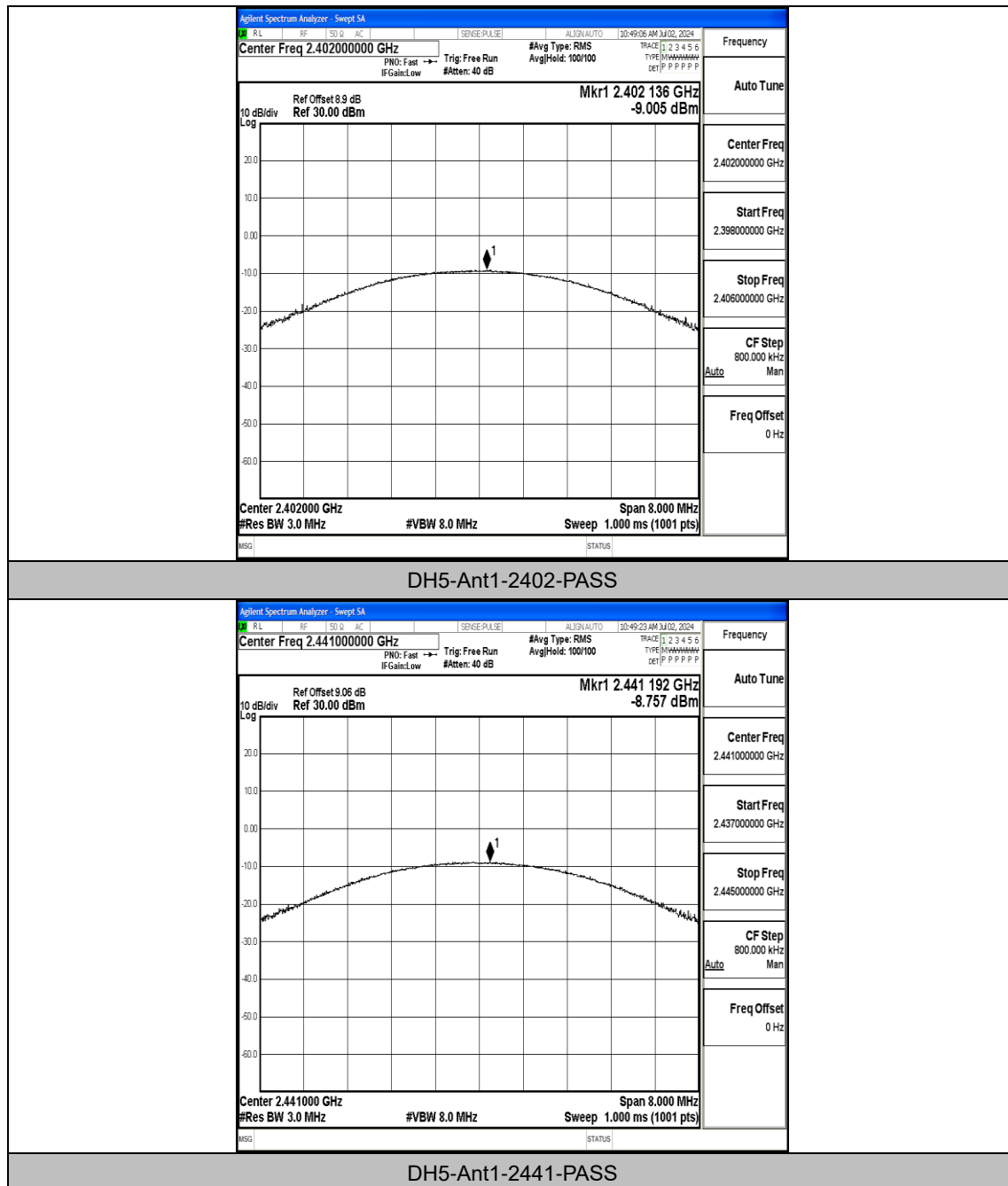


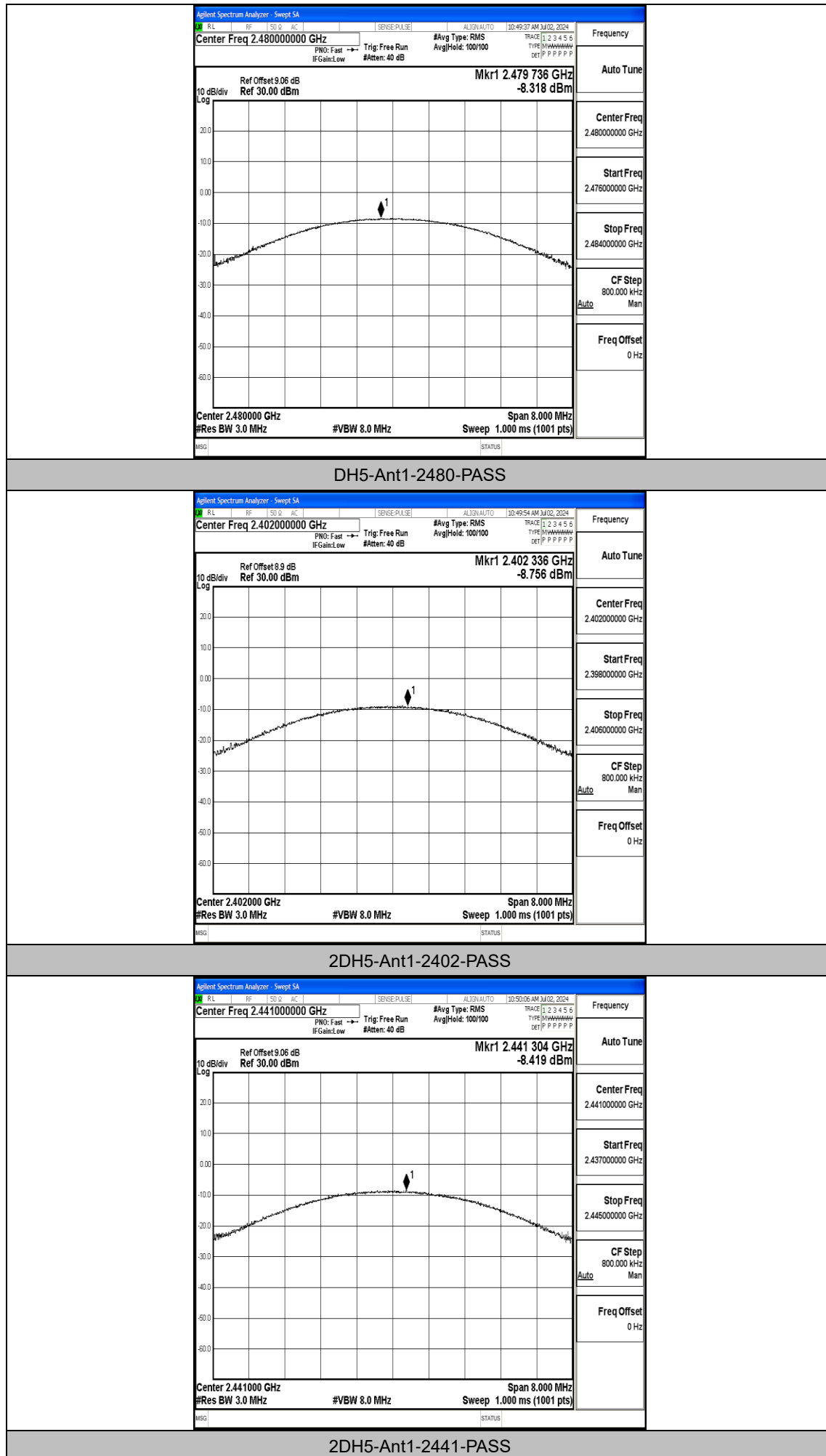
Appendix C: Maximum peak conducted output power

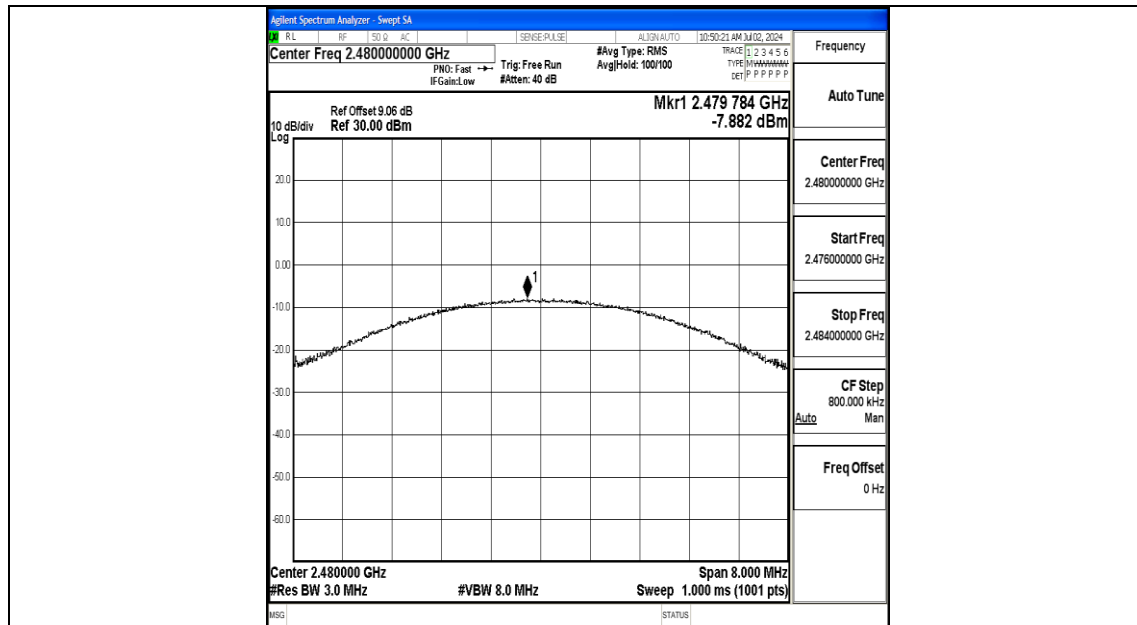
Test Result

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-9.01	≤30	PASS
DH5	Ant1	2441	-8.76	≤30	PASS
DH5	Ant1	2480	-8.32	≤30	PASS
2DH5	Ant1	2402	-8.76	≤20.97	PASS
2DH5	Ant1	2441	-8.42	≤20.97	PASS
2DH5	Ant1	2480	-7.88	≤20.97	PASS
3DH5	Ant1	2402	-8.26	≤20.97	PASS
3DH5	Ant1	2441	-8.10	≤20.97	PASS
3DH5	Ant1	2480	-7.55	≤20.97	PASS

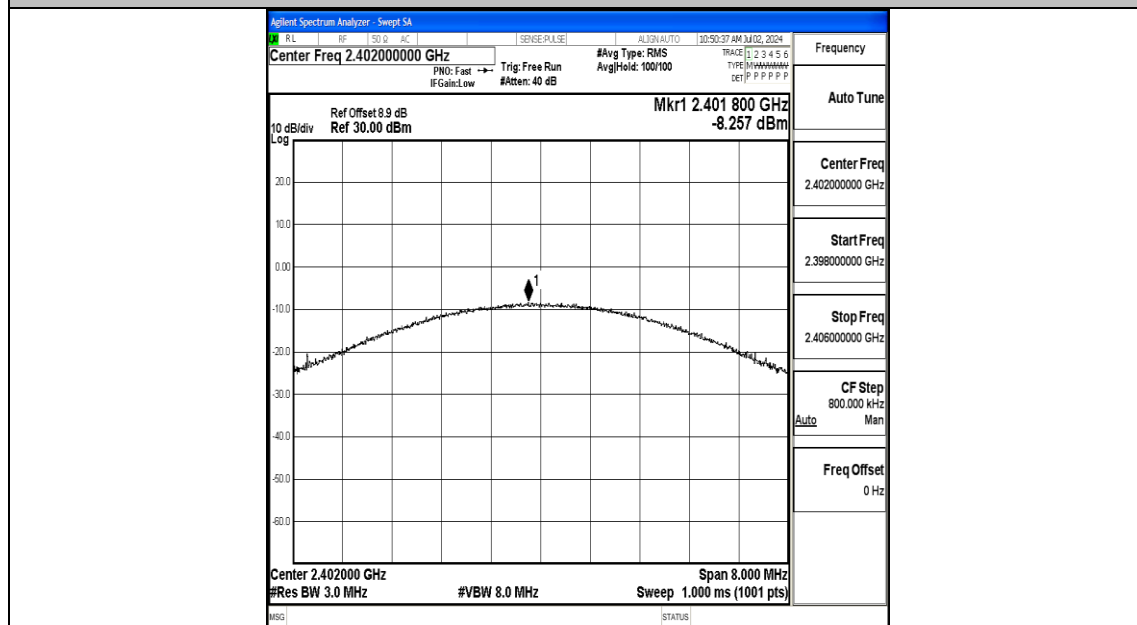
Test Graphs



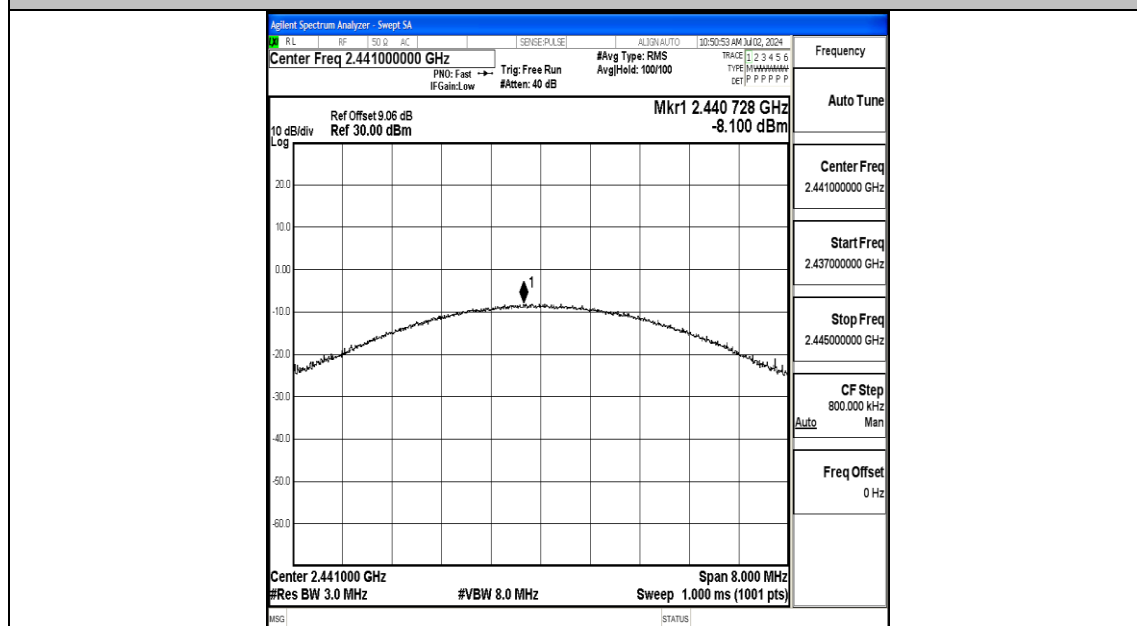




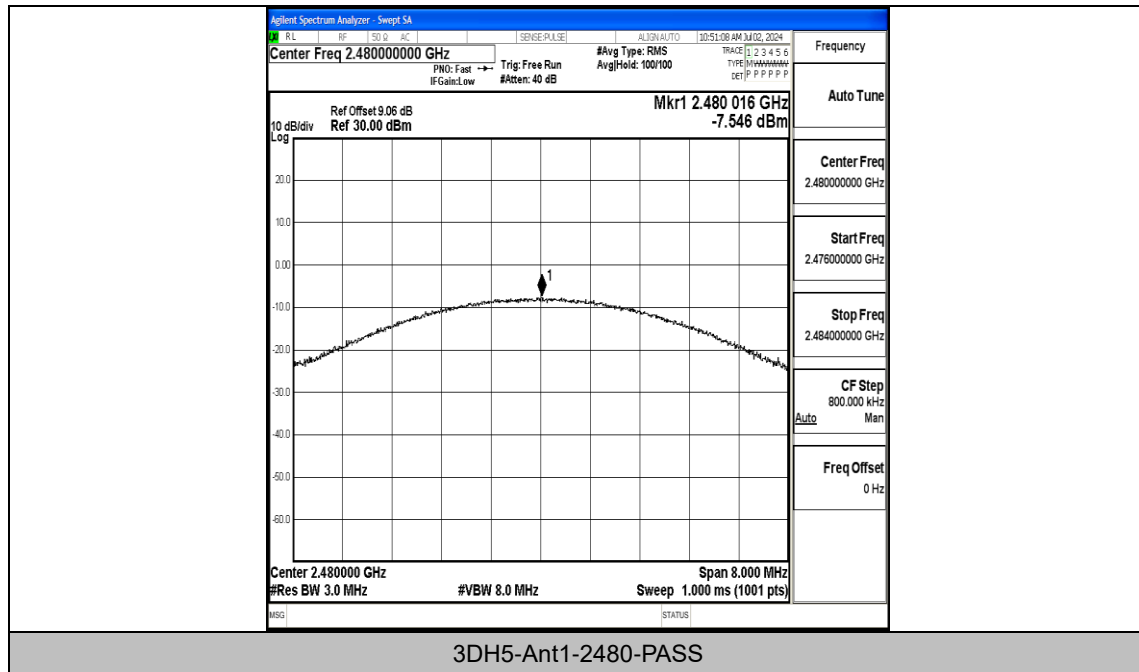
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS

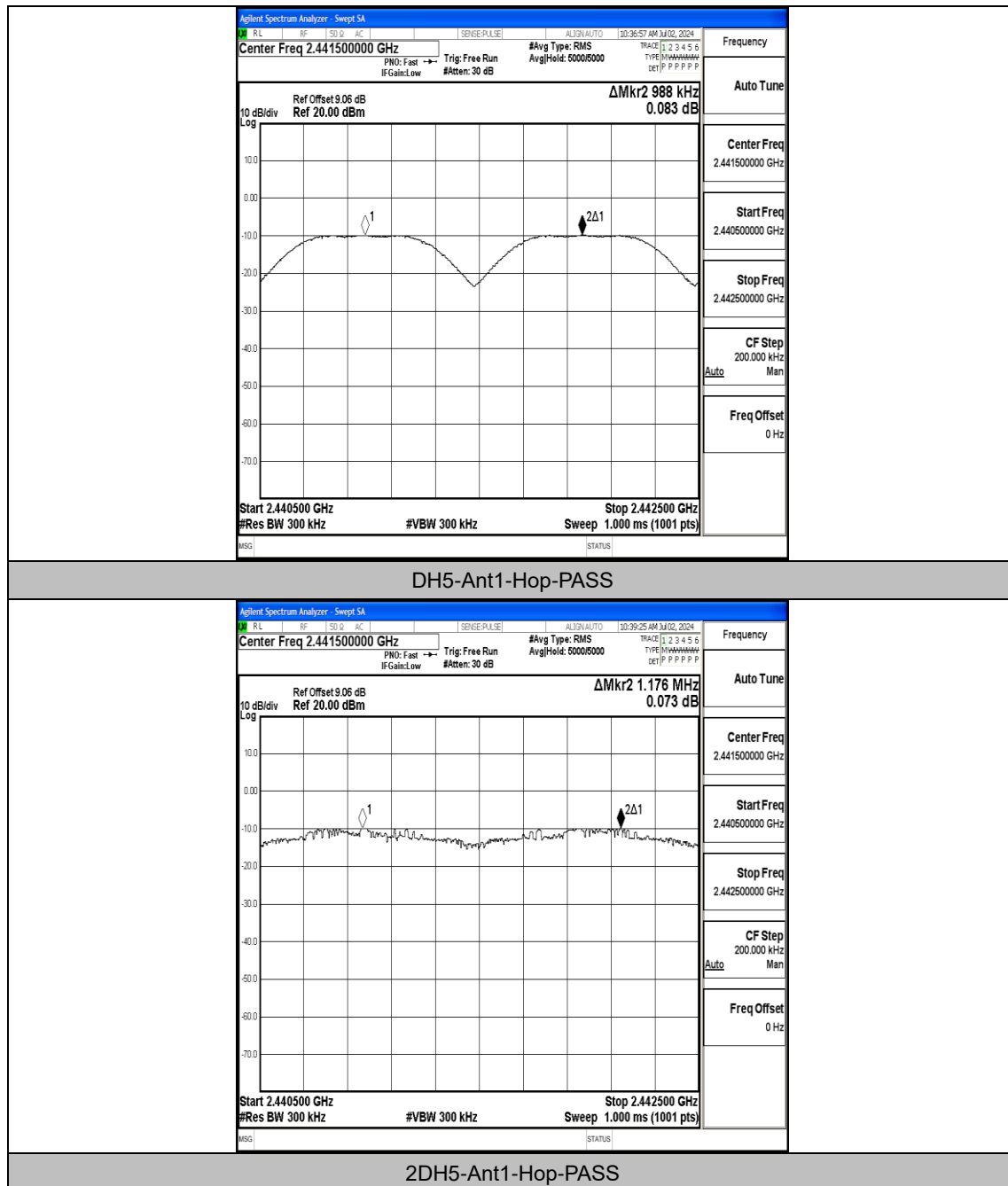


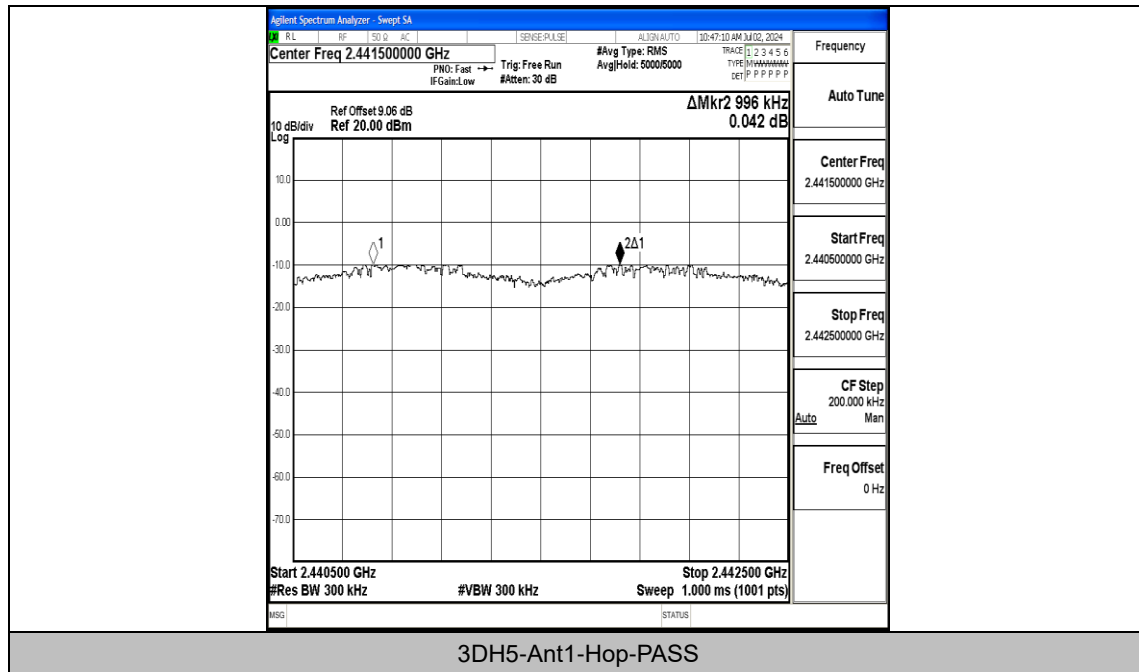
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.988	≥ 0.951	PASS
2DH5	Ant1	Hop	1.176	≥ 0.890	PASS
3DH5	Ant1	Hop	0.996	≥ 0.872	PASS

Test Graphs



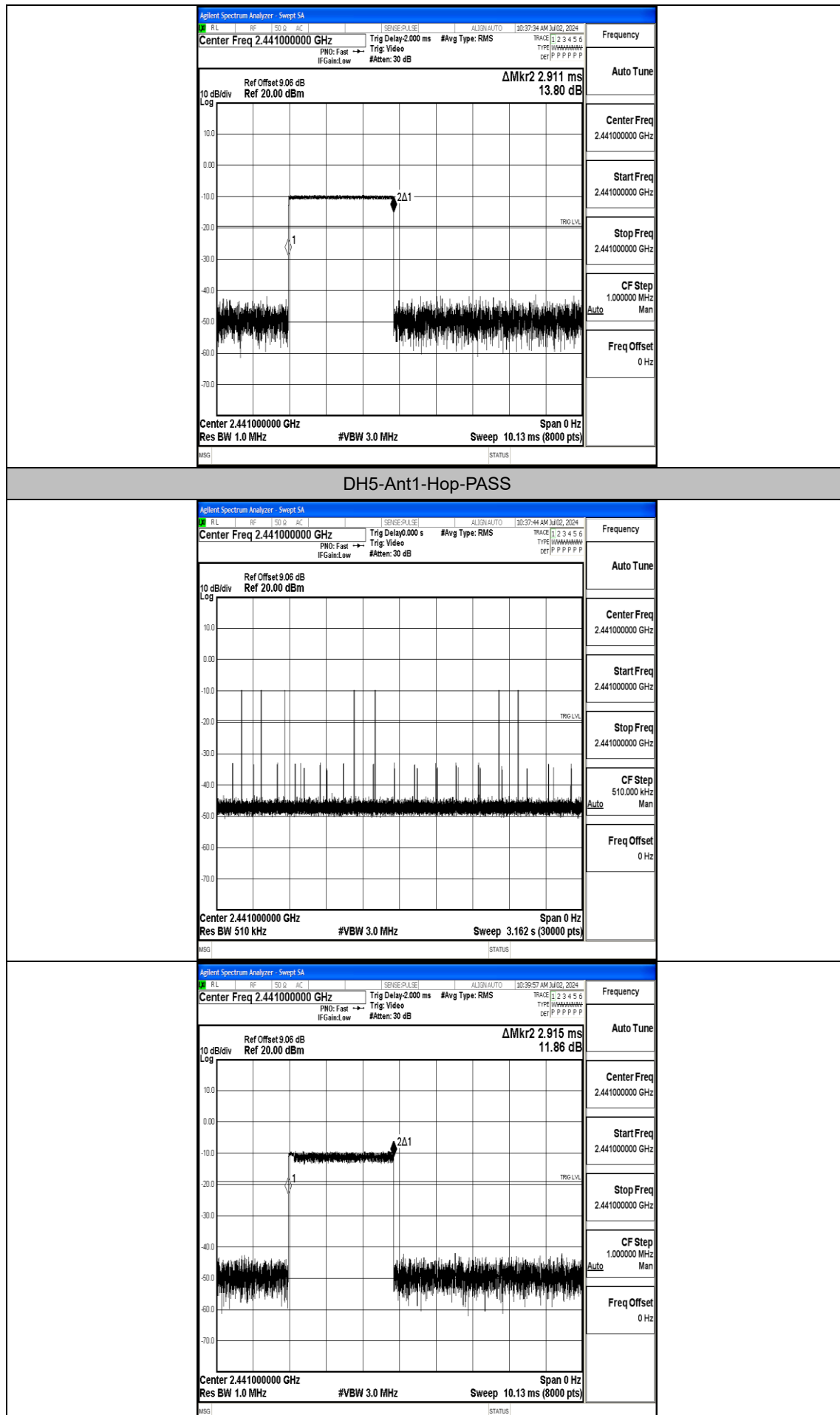


Appendix E: Time of occupancy

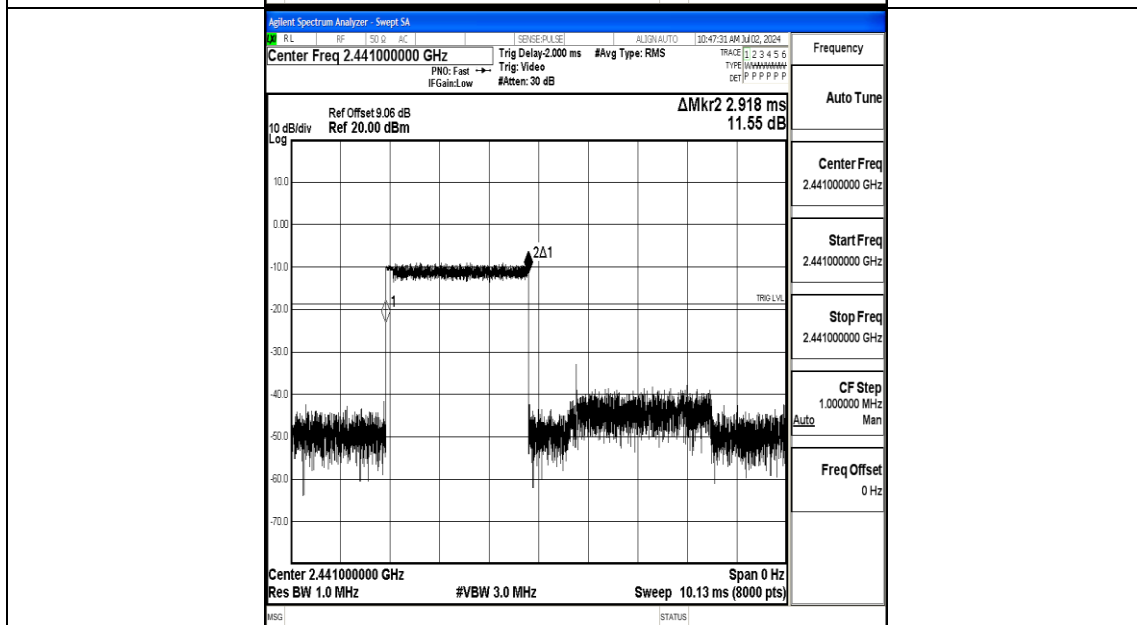
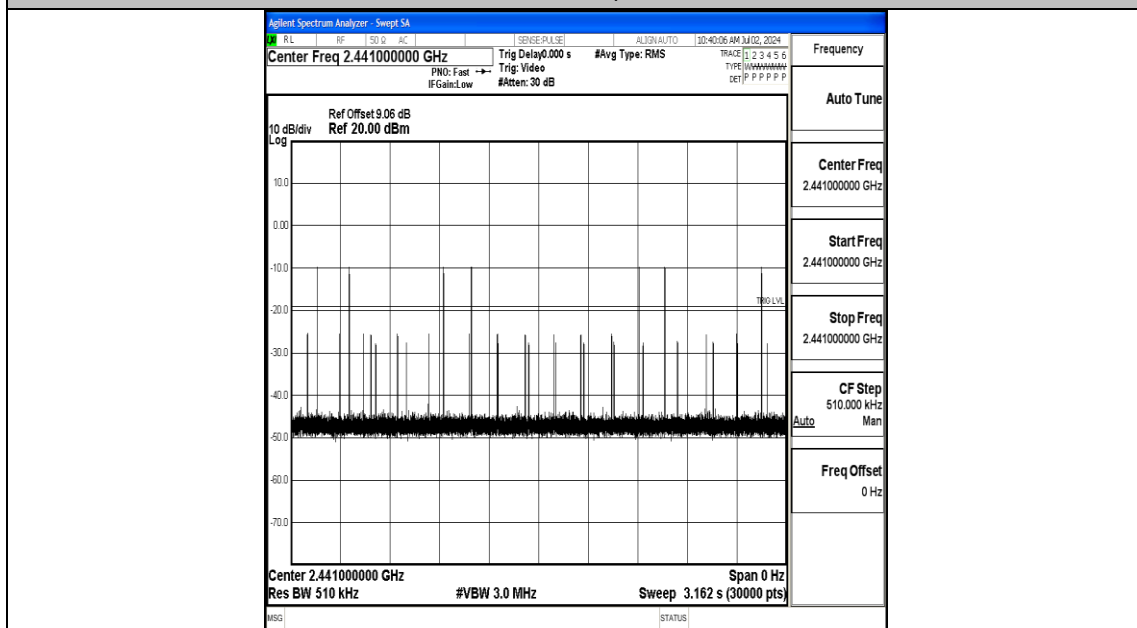
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.911	80	0.233	≤0.4	PASS
2DH5	Ant1	Hop	2.915	80	0.233	≤0.4	PASS
3DH5	Ant1	Hop	2.918	100	0.292	≤0.4	PASS

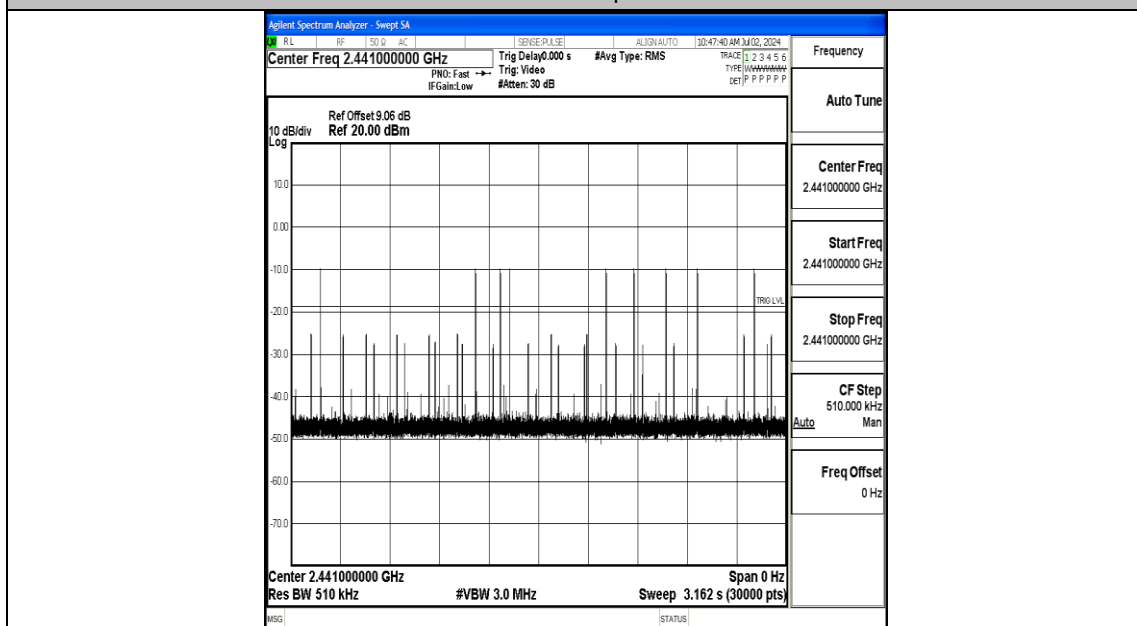
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



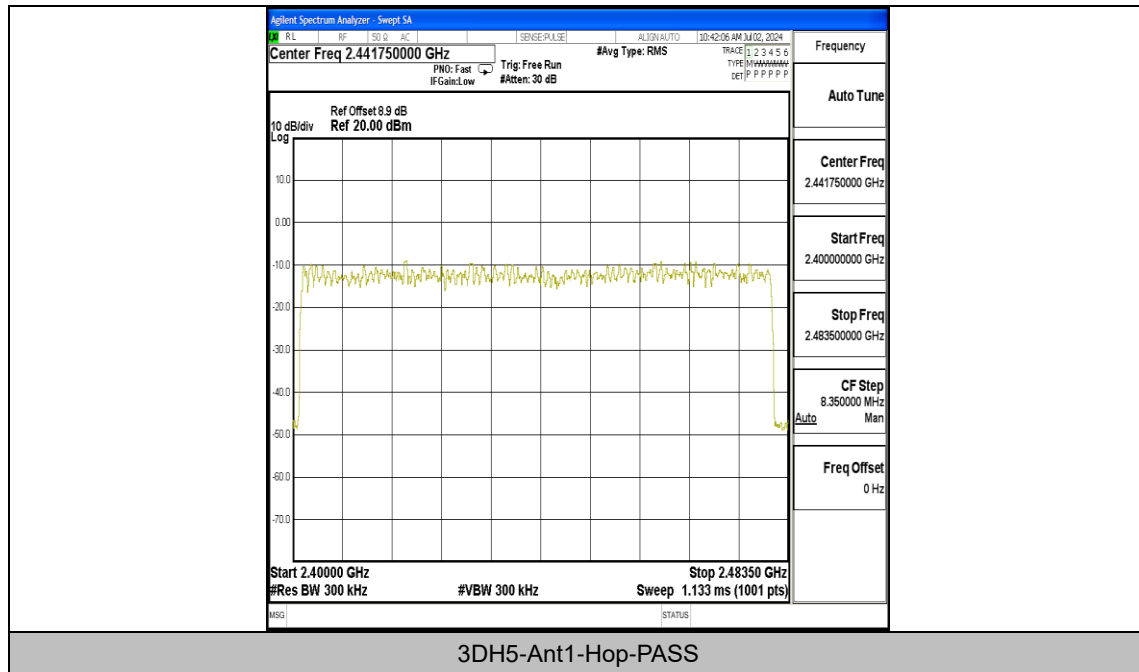
Appendix F: Number of hopping channels

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



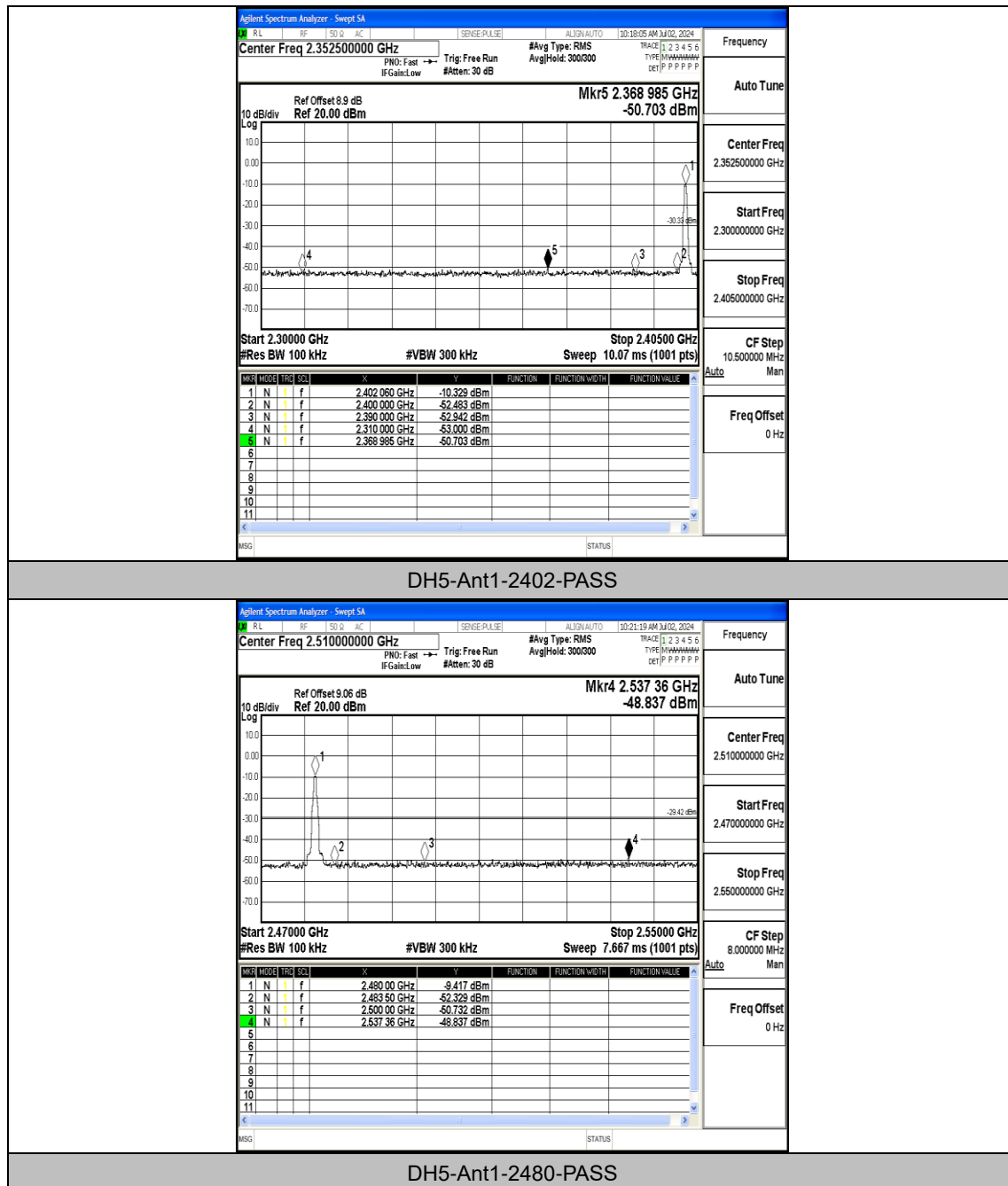


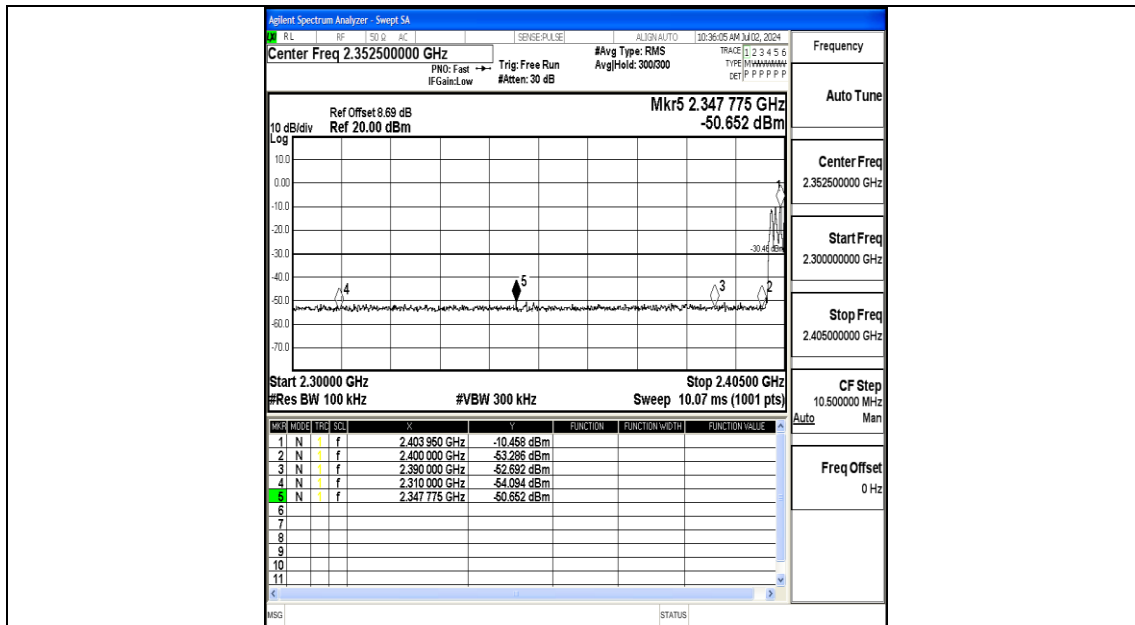
Appendix G: Band edge measurements

Test Result

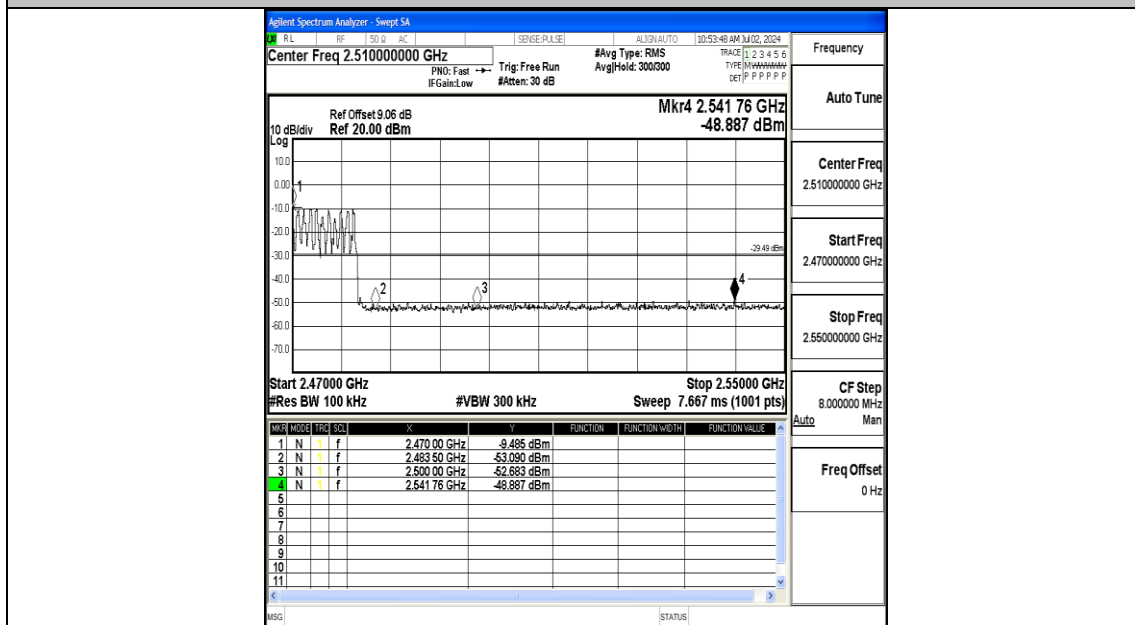
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-10.33	-50.7	≤-30.33	PASS
DH5	Ant1	High	2480	-9.42	-48.84	≤-29.42	PASS
DH5	Ant1	Low	Hop_2402	-10.46	-50.65	≤-30.46	PASS
DH5	Ant1	High	Hop_2480	-9.49	-48.89	≤-29.49	PASS
2DH5	Ant1	Low	2402	-10.55	-49.33	≤-30.55	PASS
2DH5	Ant1	High	2480	-9.46	-49.23	≤-29.46	PASS
2DH5	Ant1	Low	Hop_2402	-14.41	-50.51	≤-34.41	PASS
2DH5	Ant1	High	Hop_2480	-9.96	-48.51	≤-29.96	PASS
3DH5	Ant1	Low	2402	-10.34	-50.13	≤-30.34	PASS
3DH5	Ant1	High	2480	-9.37	-49.26	≤-29.37	PASS
3DH5	Ant1	Low	Hop_2402	-13.21	-50.41	≤-33.21	PASS
3DH5	Ant1	High	Hop_2480	-10.70	-49.36	≤-30.7	PASS

Test Graphs

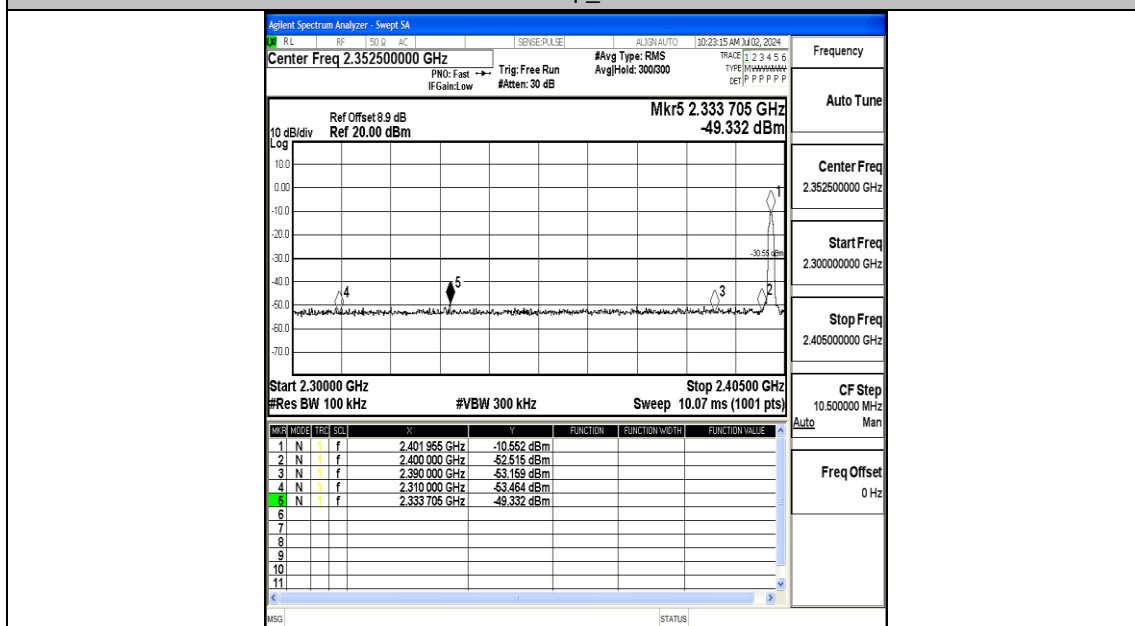




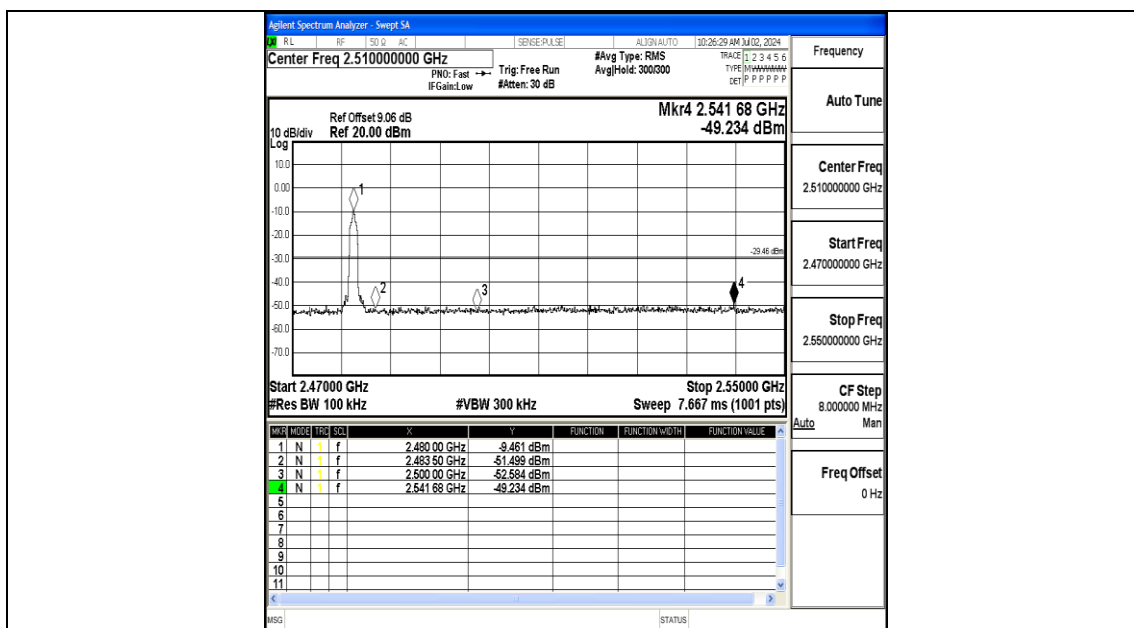
DH5-Ant1-Hop_2402-PASS



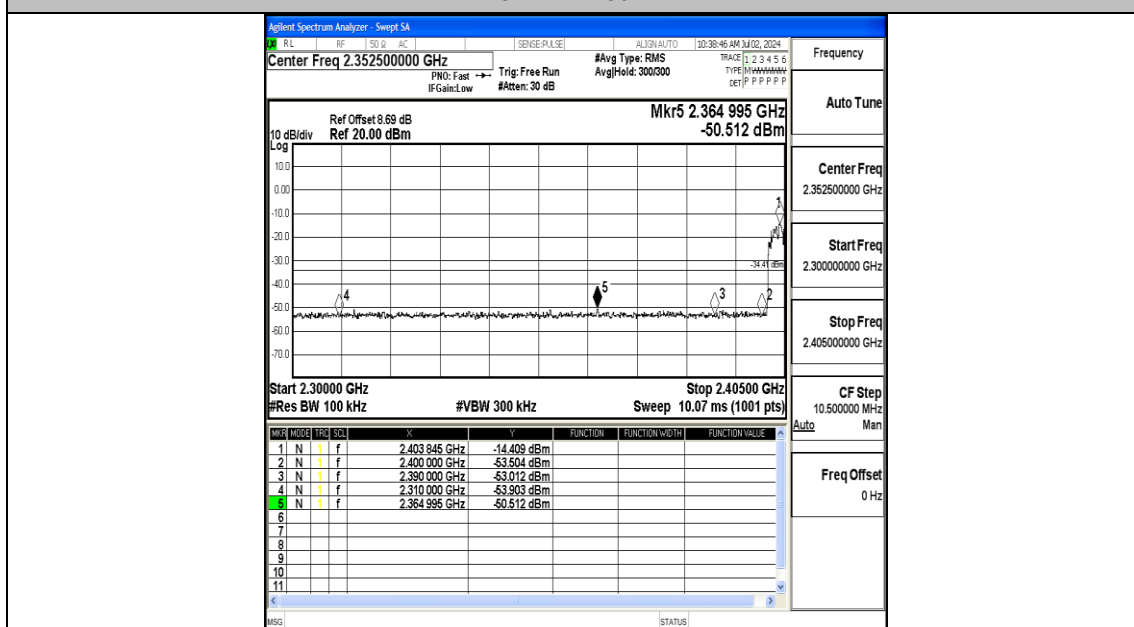
DH5-Ant1-Hop_2480-PASS



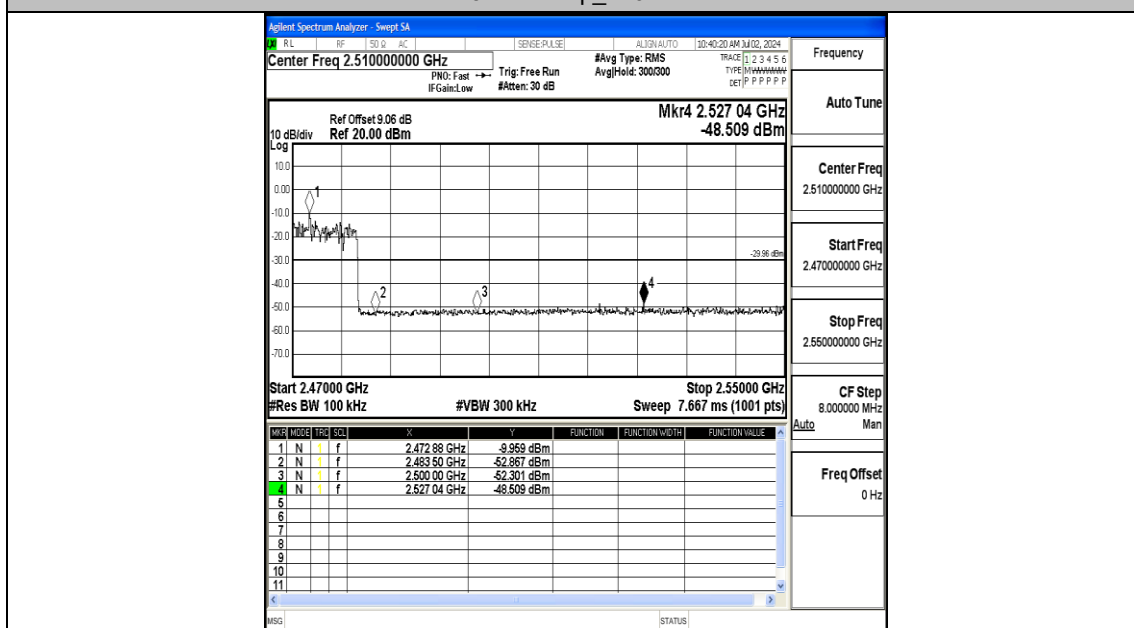
2DH5-Ant1-2402-PASS



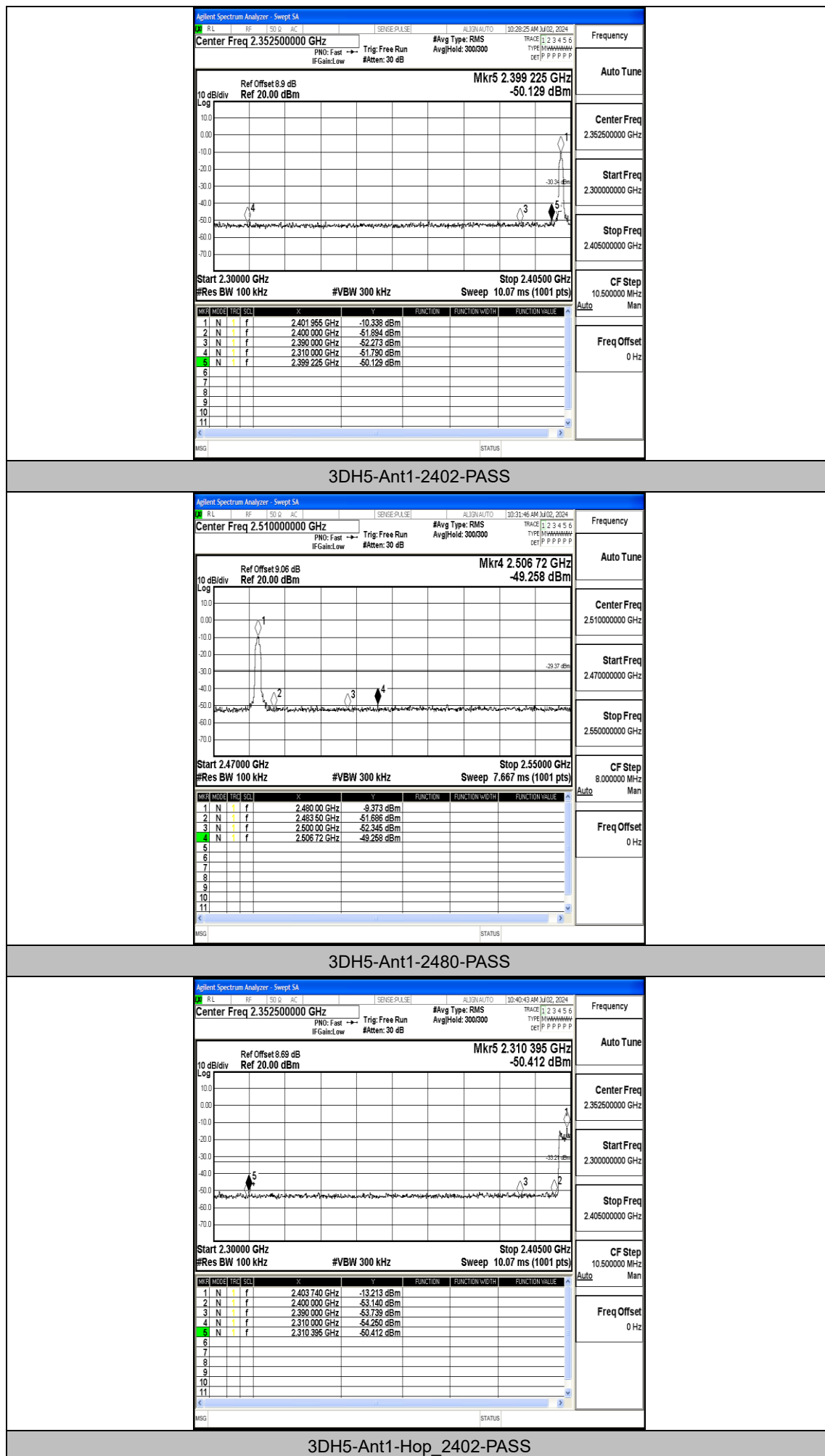
2DH5-Ant1-2480-PASS

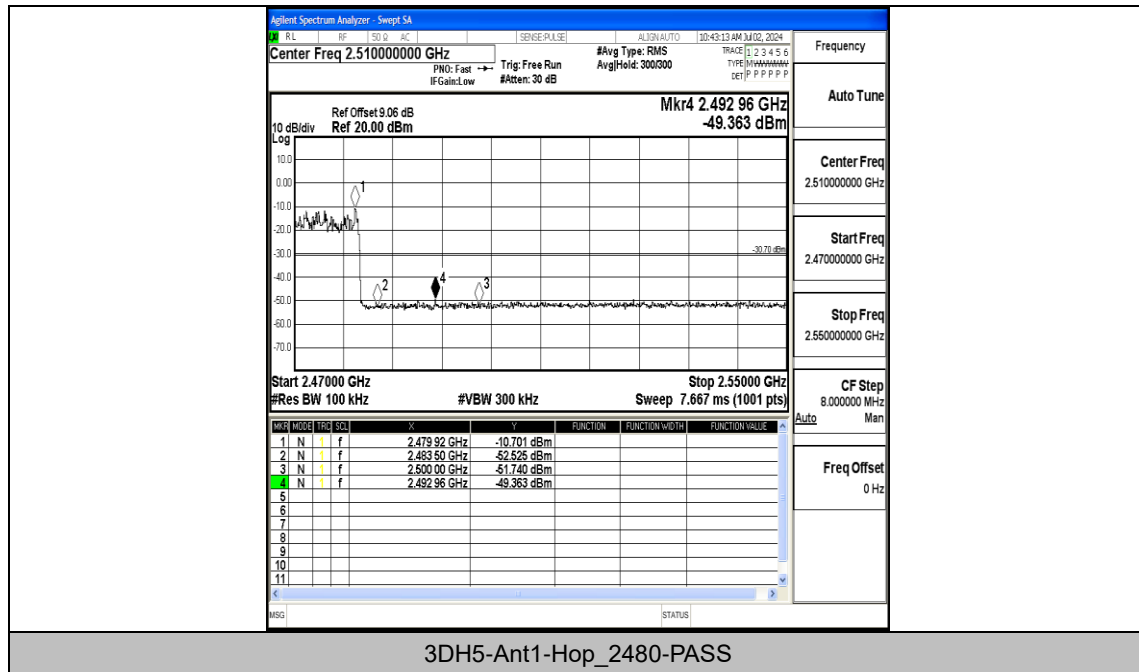


2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



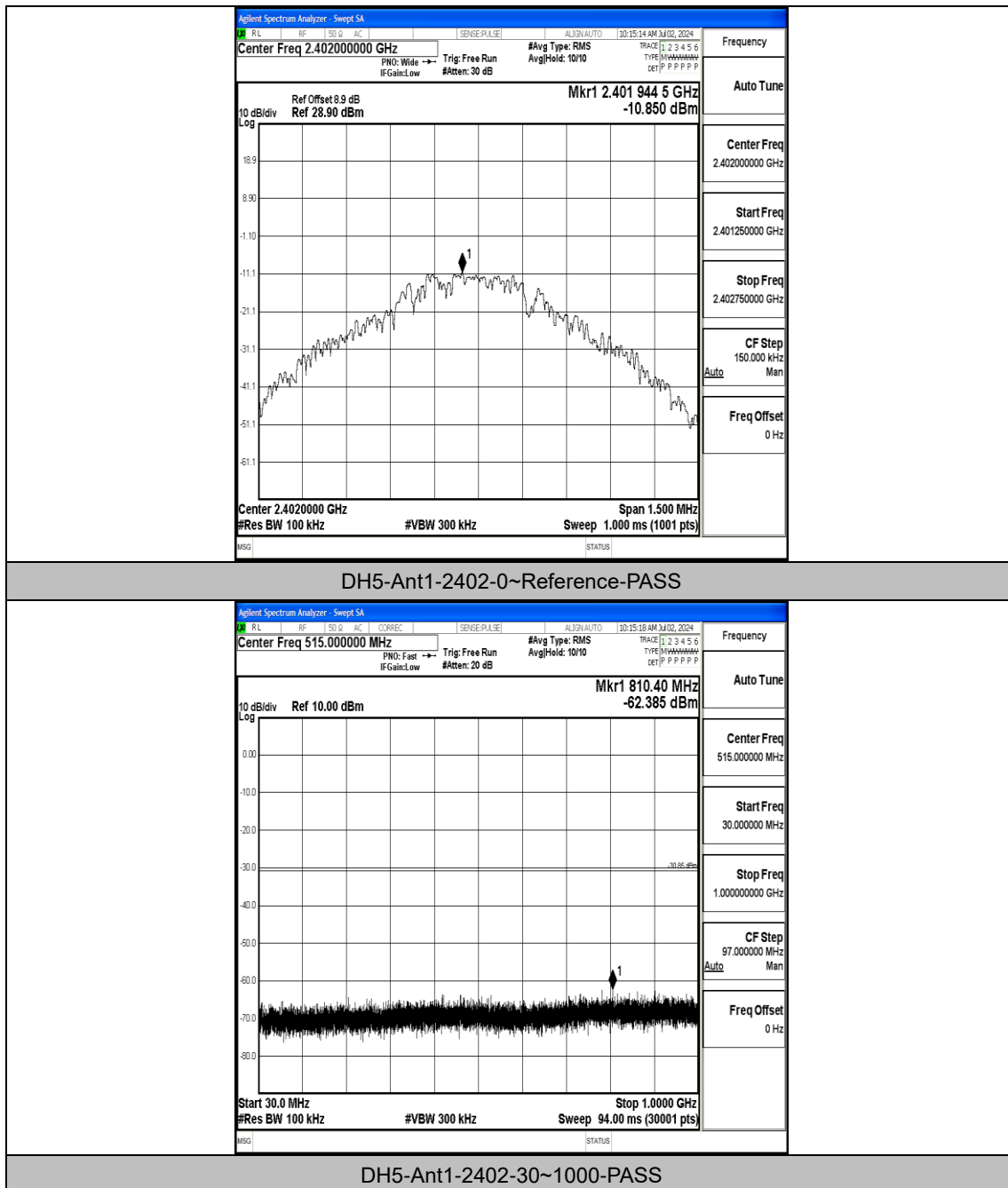


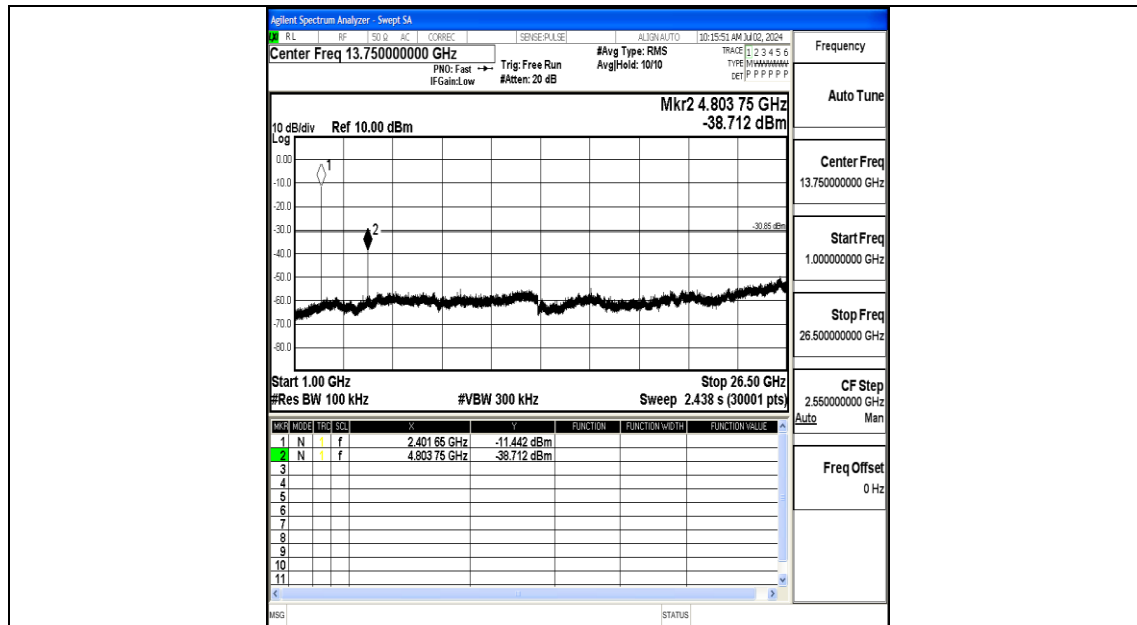
Appendix H: Conducted Spurious Emission

Test Result

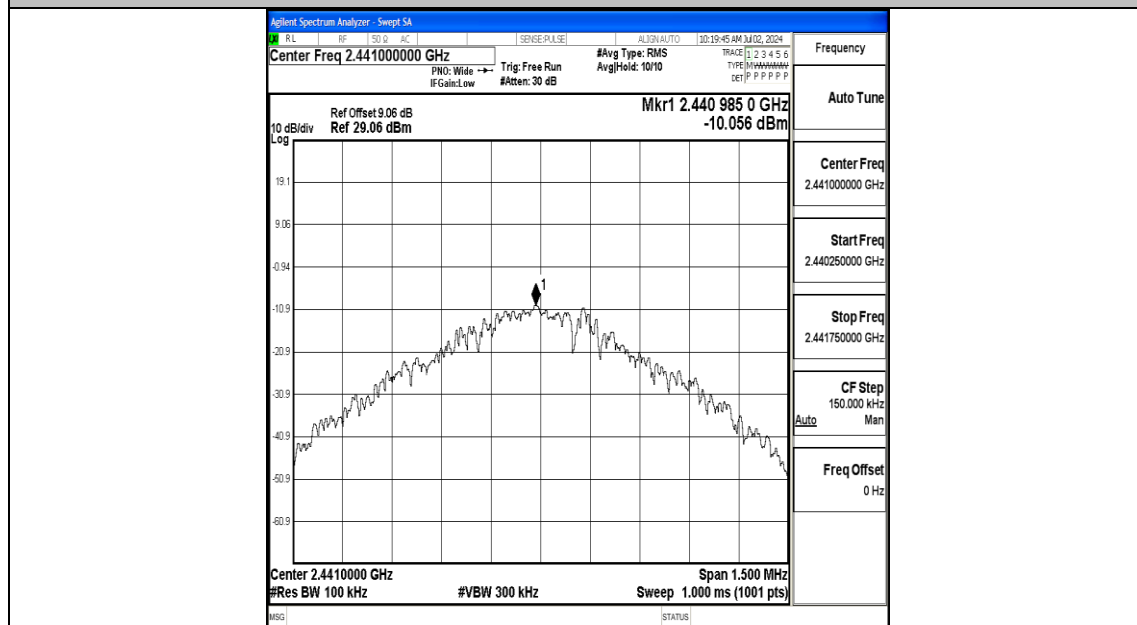
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-10.85	-10.85	---	PASS
DH5	Ant1	2402	30~1000	-10.85	-62.39	≤-30.85	PASS
DH5	Ant1	2402	1000~26500	-10.85	-38.71	≤-30.85	PASS
DH5	Ant1	2441	0~Reference	-10.06	-10.06	---	PASS
DH5	Ant1	2441	30~1000	-10.06	-63.03	≤-30.06	PASS
DH5	Ant1	2441	1000~26500	-10.06	-39.89	≤-30.06	PASS
DH5	Ant1	2480	0~Reference	-10.35	-10.35	---	PASS
DH5	Ant1	2480	30~1000	-10.35	-61.53	≤-30.35	PASS
DH5	Ant1	2480	1000~26500	-10.35	-41.86	≤-30.35	PASS
2DH5	Ant1	2402	0~Reference	-11.91	-11.91	---	PASS
2DH5	Ant1	2402	30~1000	-11.91	-62.77	≤-31.91	PASS
2DH5	Ant1	2402	1000~26500	-11.91	-41.01	≤-31.91	PASS
2DH5	Ant1	2441	0~Reference	-11.03	-11.03	---	PASS
2DH5	Ant1	2441	30~1000	-11.03	-62.95	≤-31.03	PASS
2DH5	Ant1	2441	1000~26500	-11.03	-44.15	≤-31.03	PASS
2DH5	Ant1	2480	0~Reference	-10.55	-10.55	---	PASS
2DH5	Ant1	2480	30~1000	-10.55	-62.39	≤-30.55	PASS
2DH5	Ant1	2480	1000~26500	-10.55	-47.27	≤-30.55	PASS
3DH5	Ant1	2402	0~Reference	-11.24	-11.24	---	PASS
3DH5	Ant1	2402	30~1000	-11.24	-61.78	≤-31.24	PASS
3DH5	Ant1	2402	1000~26500	-11.24	-36.6	≤-31.24	PASS
3DH5	Ant1	2441	0~Reference	-11.20	-11.20	---	PASS
3DH5	Ant1	2441	30~1000	-11.20	-62.76	≤-31.2	PASS
3DH5	Ant1	2441	1000~26500	-11.20	-39.93	≤-31.2	PASS
3DH5	Ant1	2480	0~Reference	-10.31	-10.31	---	PASS
3DH5	Ant1	2480	30~1000	-10.31	-62.21	≤-30.31	PASS
3DH5	Ant1	2480	1000~26500	-10.31	-46.25	≤-30.31	PASS

Test Graphs

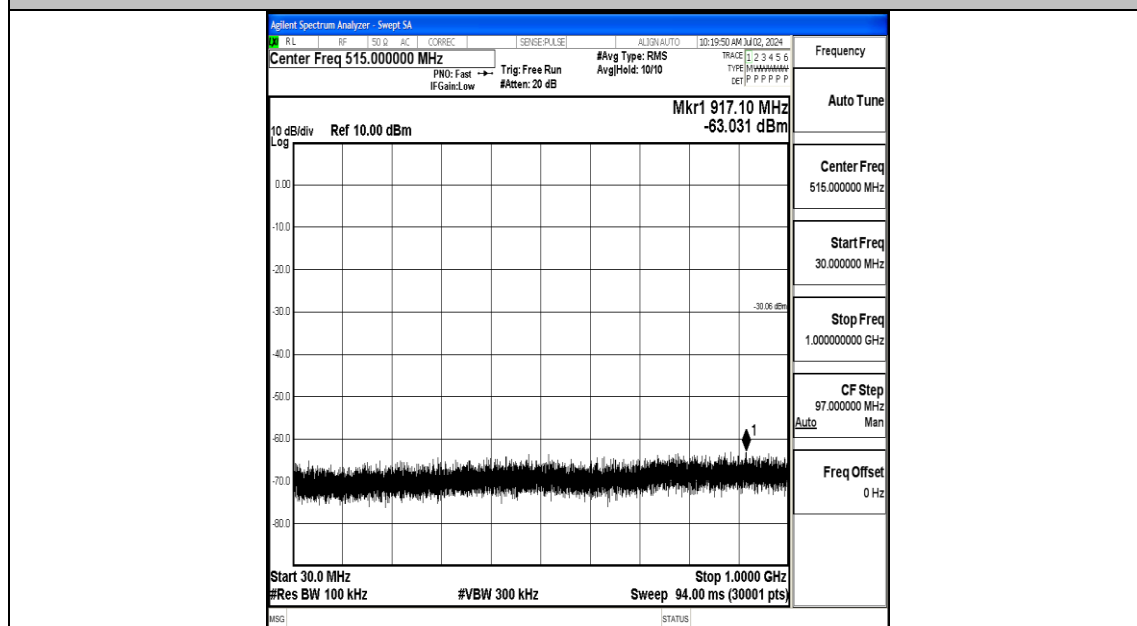




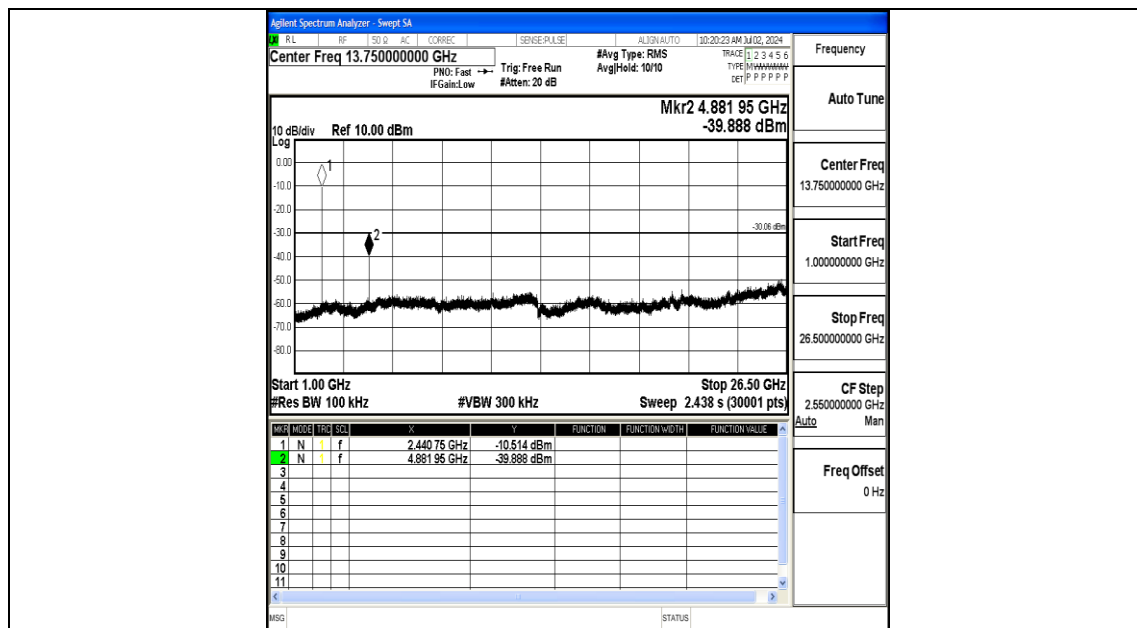
DH5-Ant1-2402-1000~26500-PASS



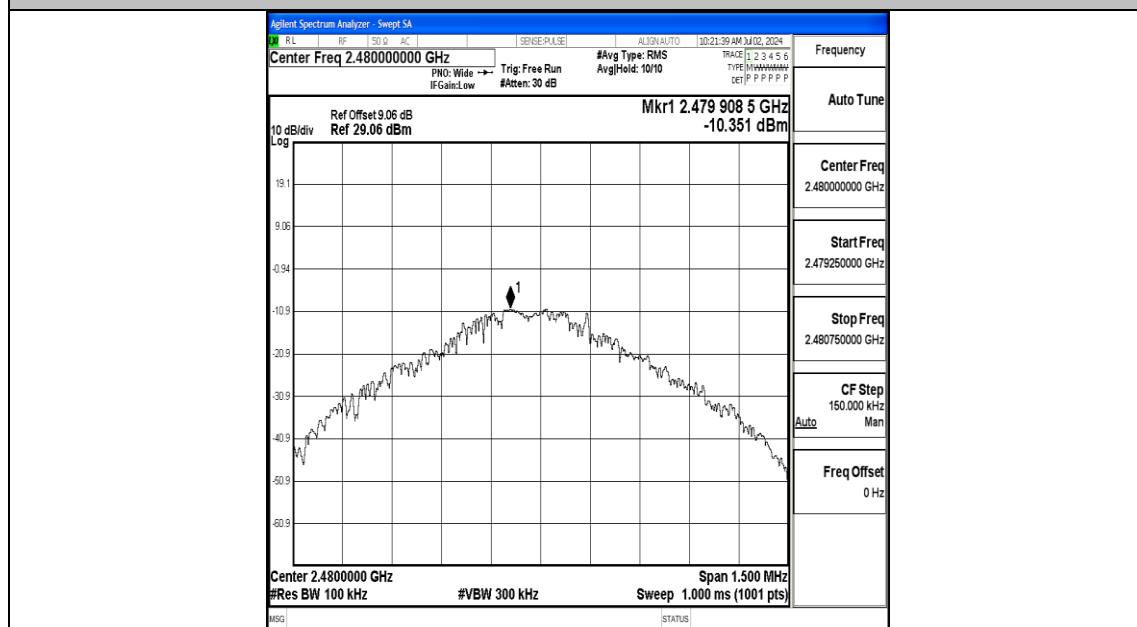
DH5-Ant1-2441-0~Reference-PASS



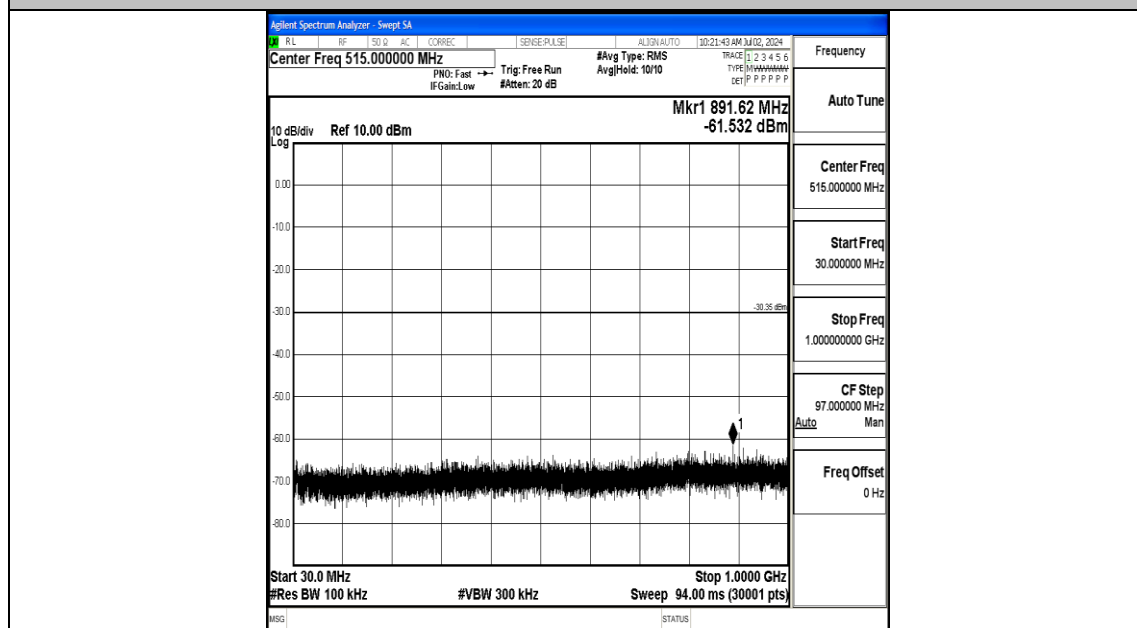
DH5-Ant1-2441-30~1000-PASS



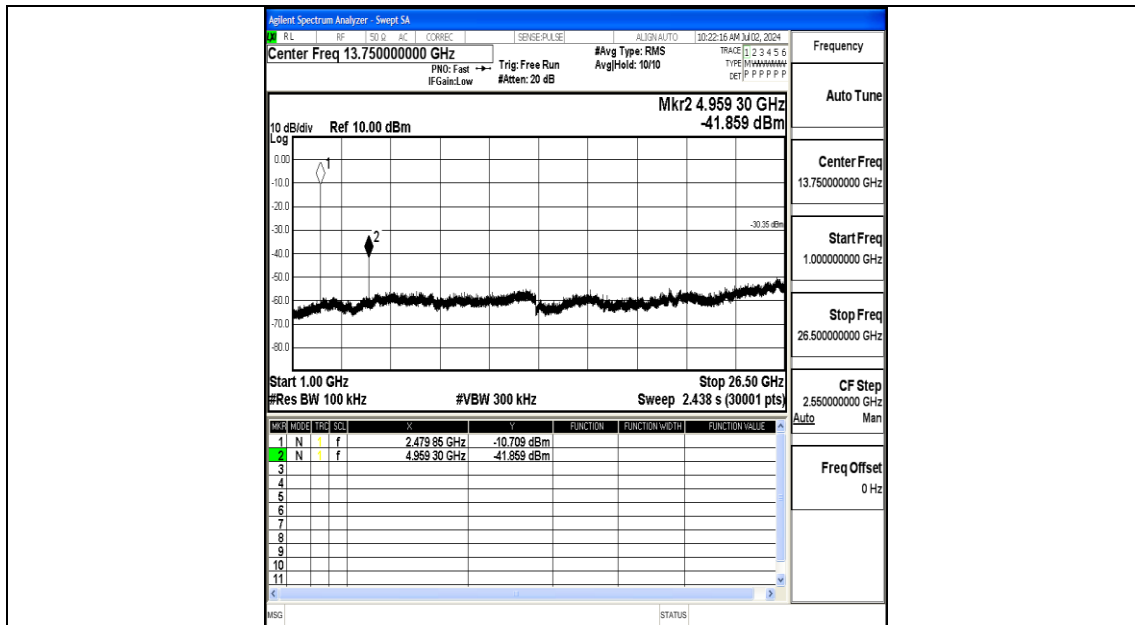
DH5-Ant1-2441-1000~26500-PASS



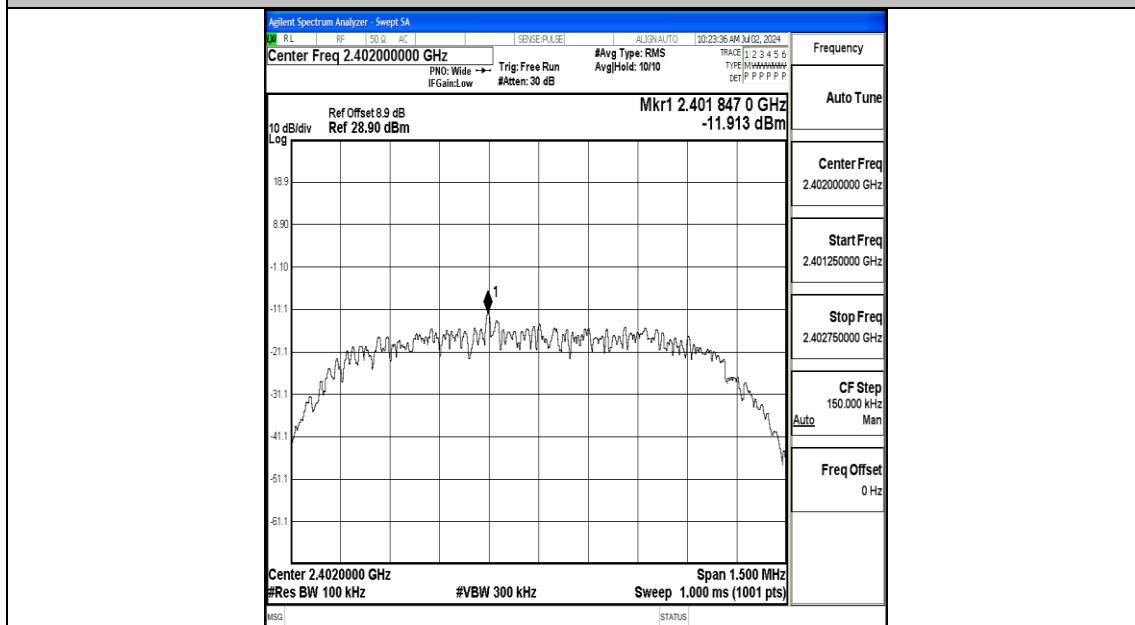
DH5-Ant1-2480-0~Reference-PASS



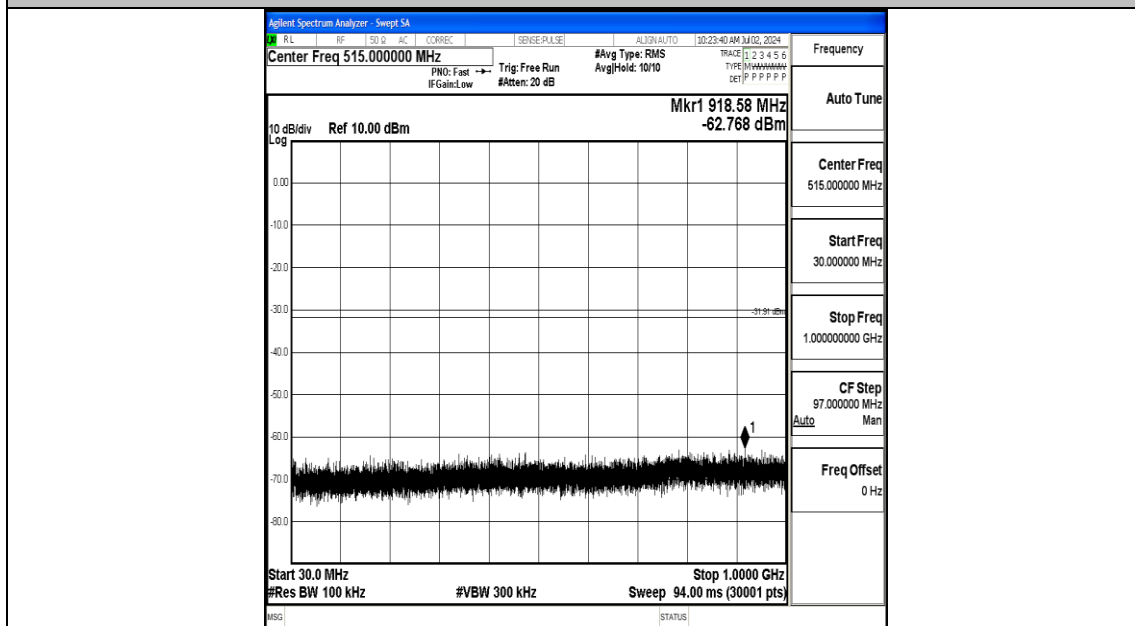
DH5-Ant1-2480-30~1000-PASS



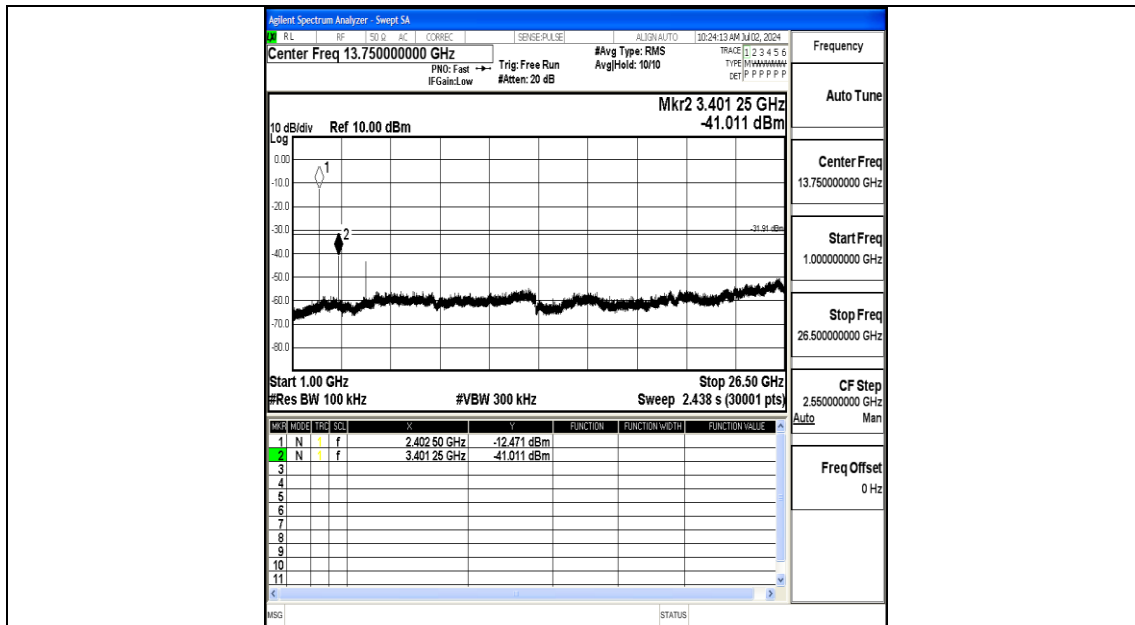
DH5-Ant1-2480-1000~26500-PASS



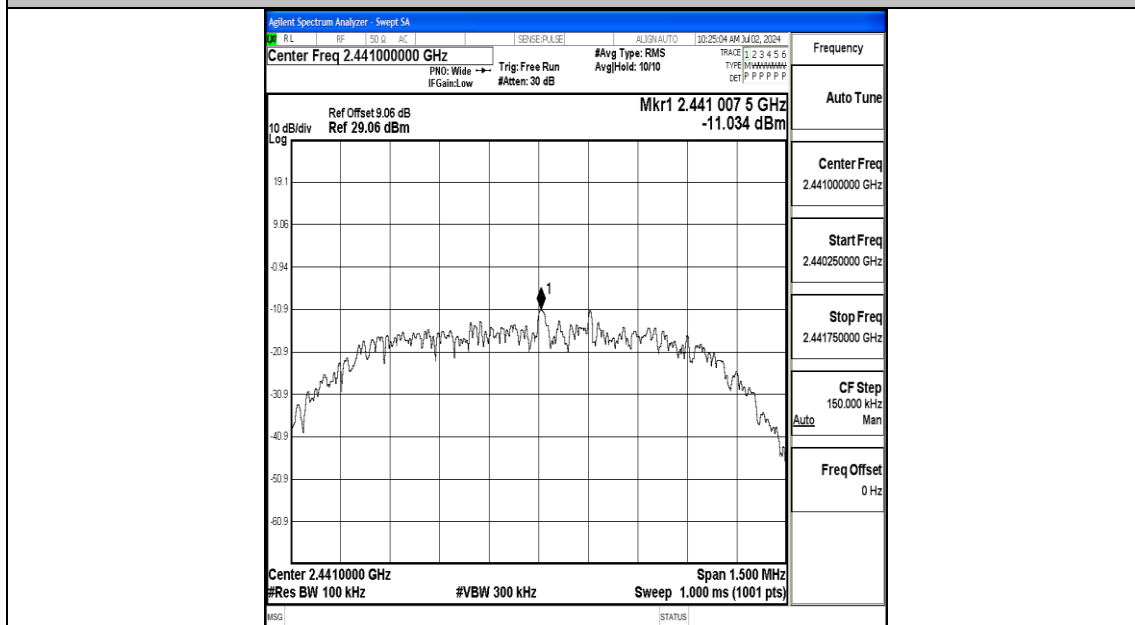
2DH5-Ant1-2402-0~Reference-PASS



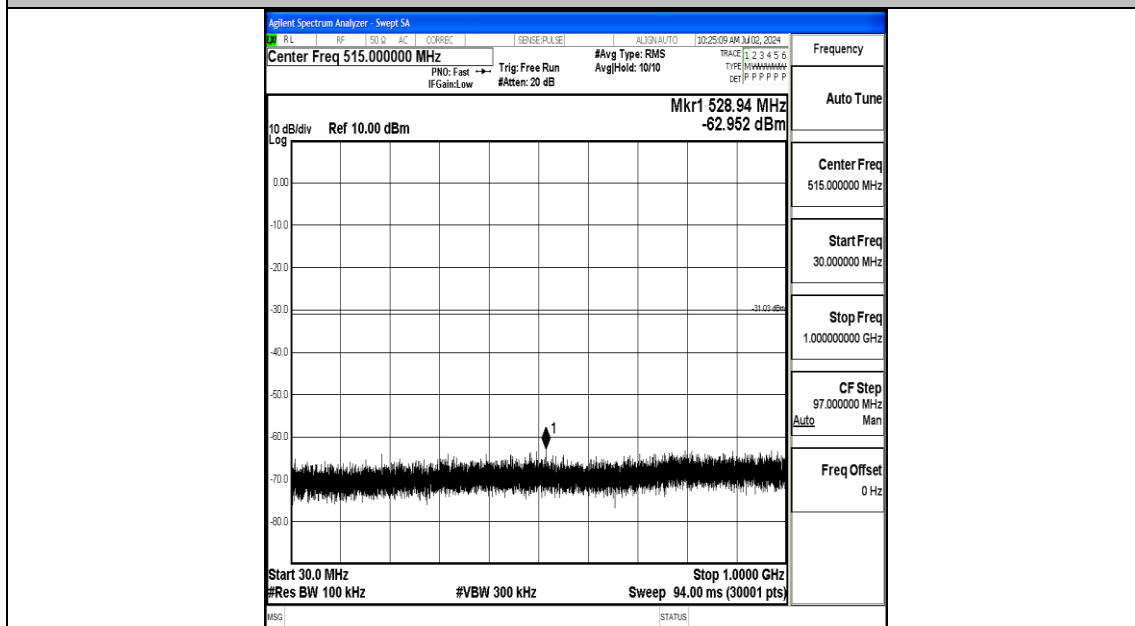
2DH5-Ant1-2402-30~1000-PASS



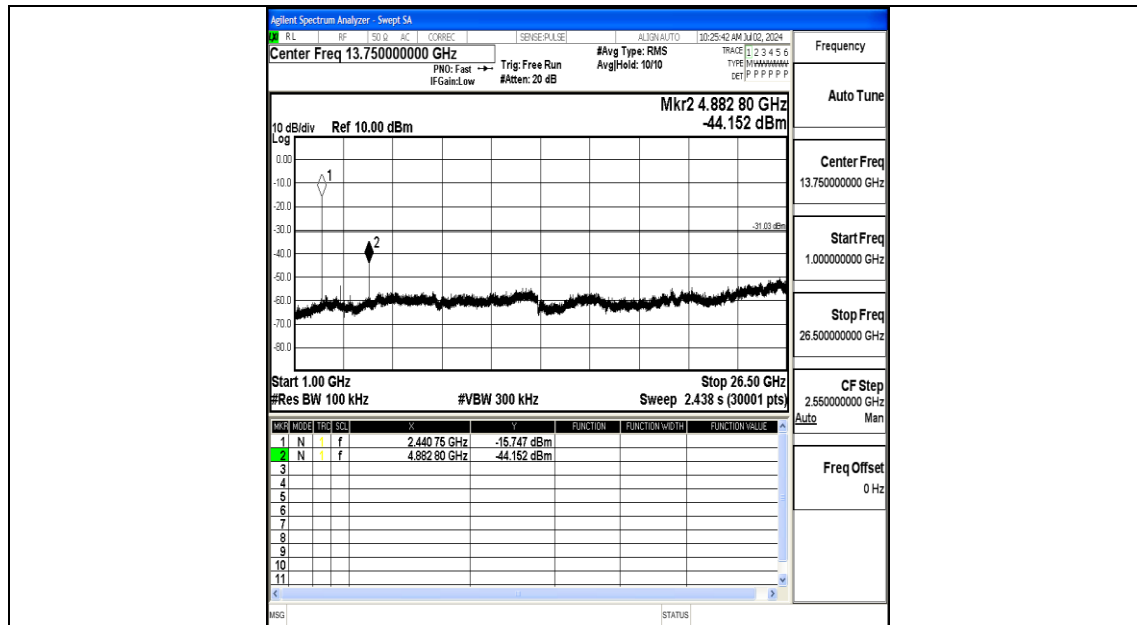
2DH5-Ant1-2402-1000~26500-PASS



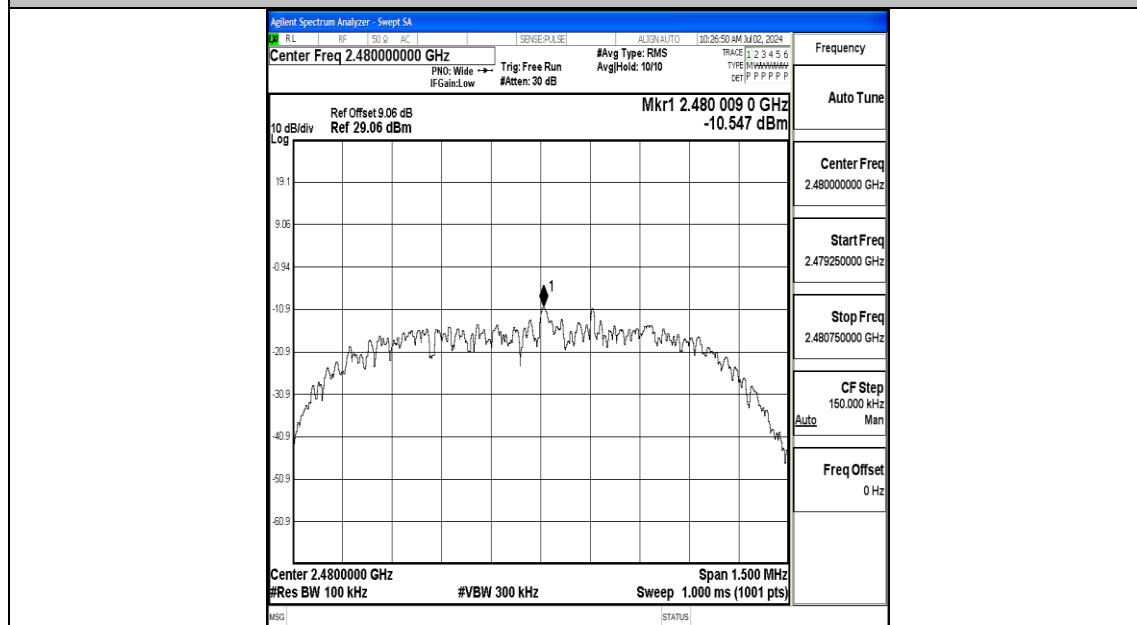
2DH5-Ant1-2441-0~Reference-PASS



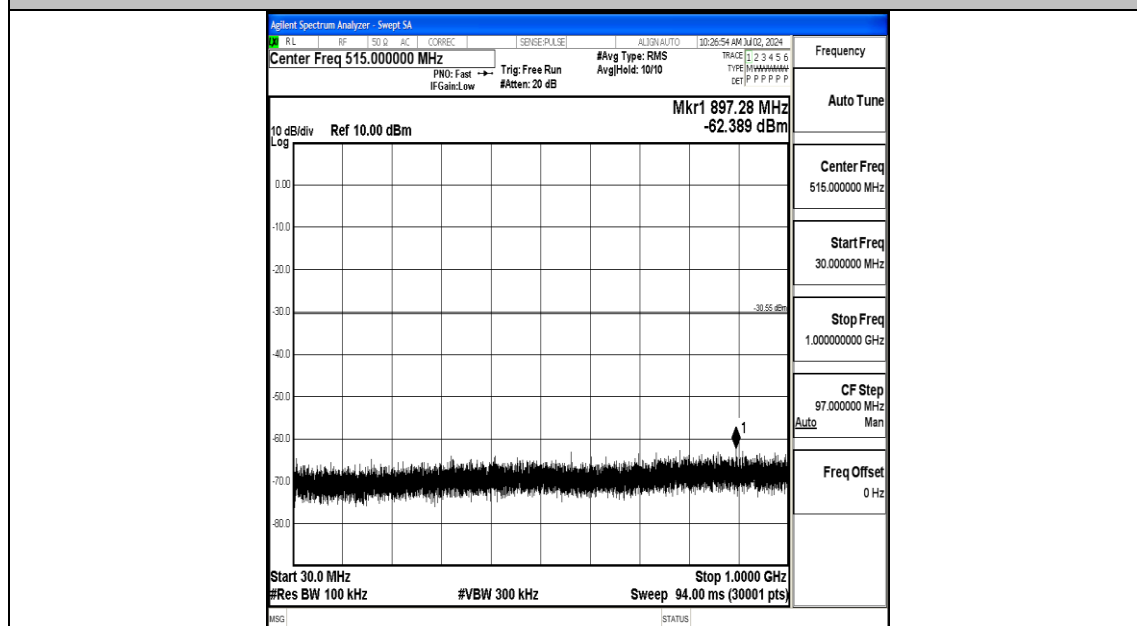
2DH5-Ant1-2441-30~1000-PASS



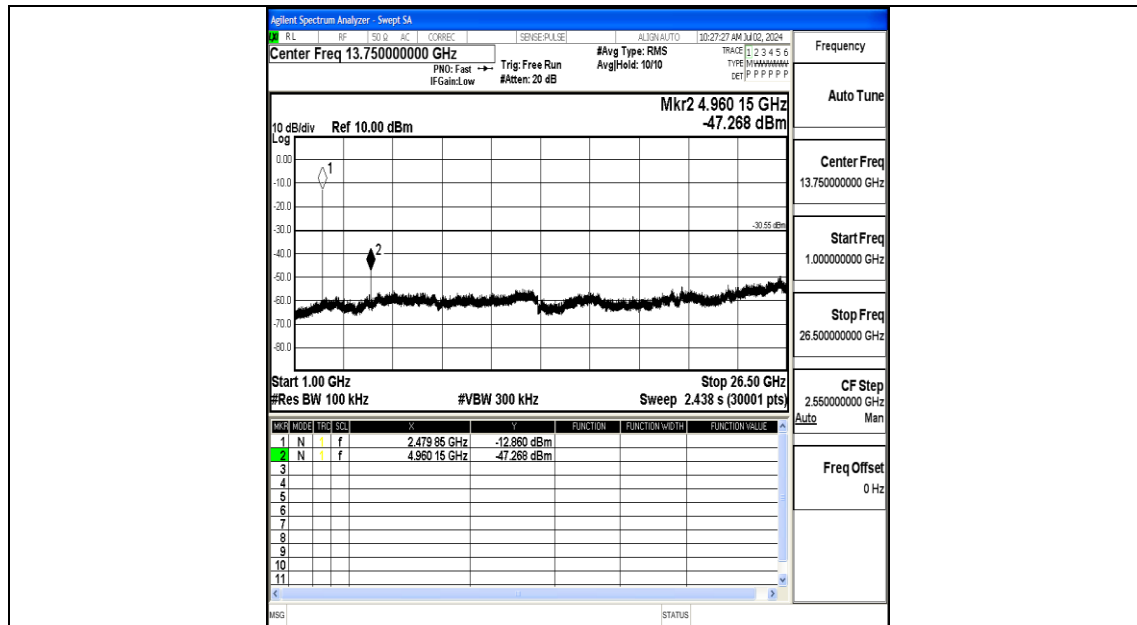
2DH5-Ant1-2441-1000~26500-PASS



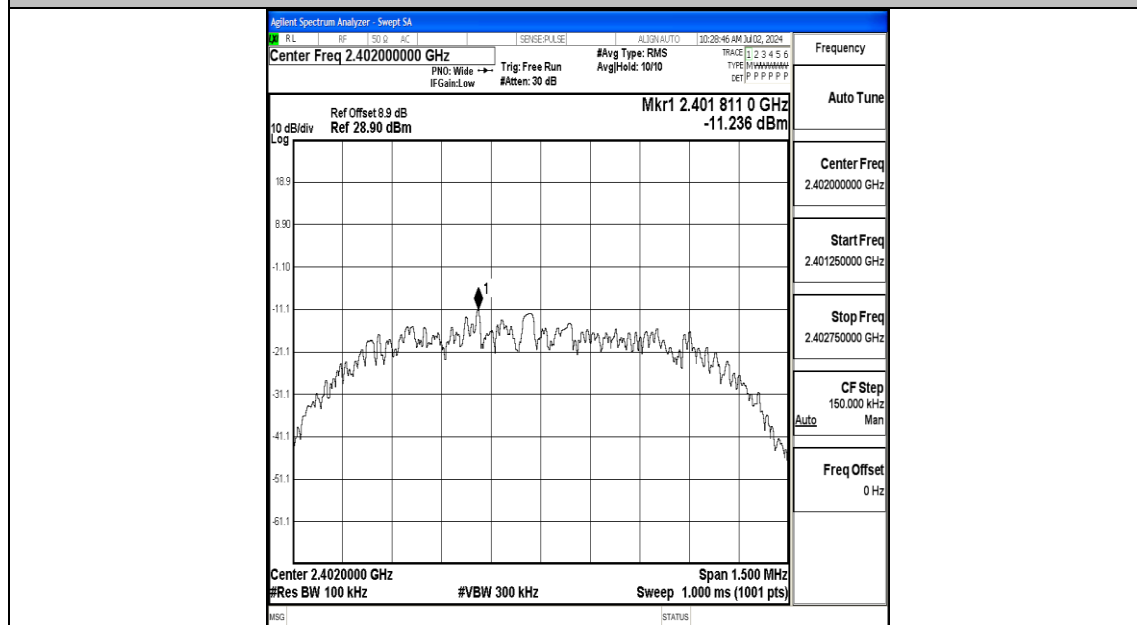
2DH5-Ant1-2480-0~Reference-PASS



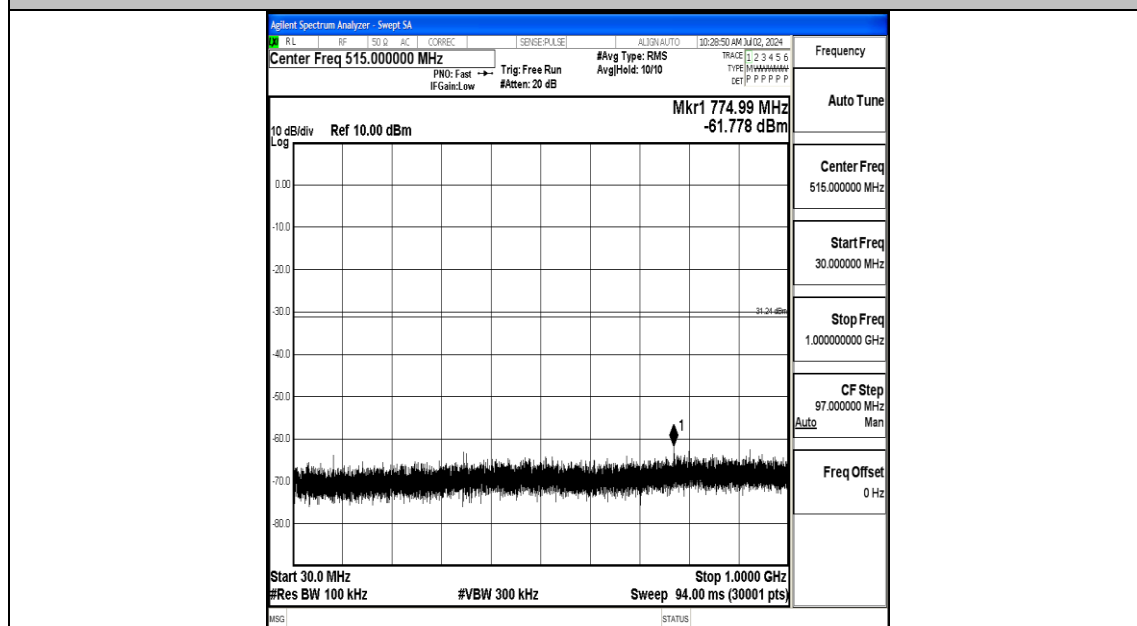
2DH5-Ant1-2480-30~1000-PASS



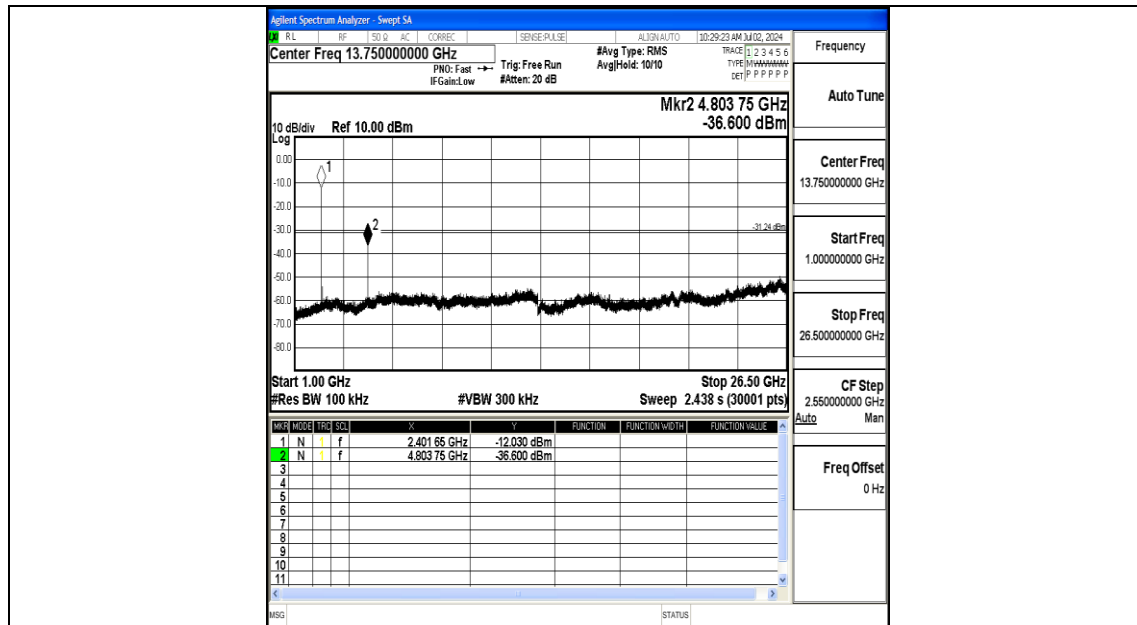
2DH5-Ant1-2480-1000~26500-PASS



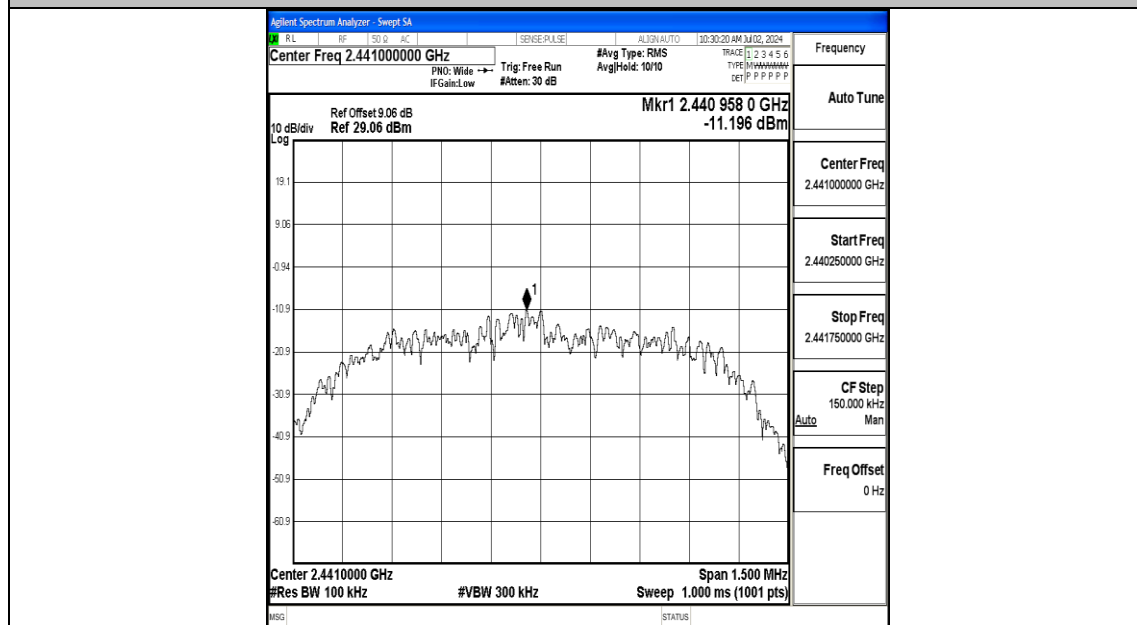
3DH5-Ant1-2402-0~Reference-PASS



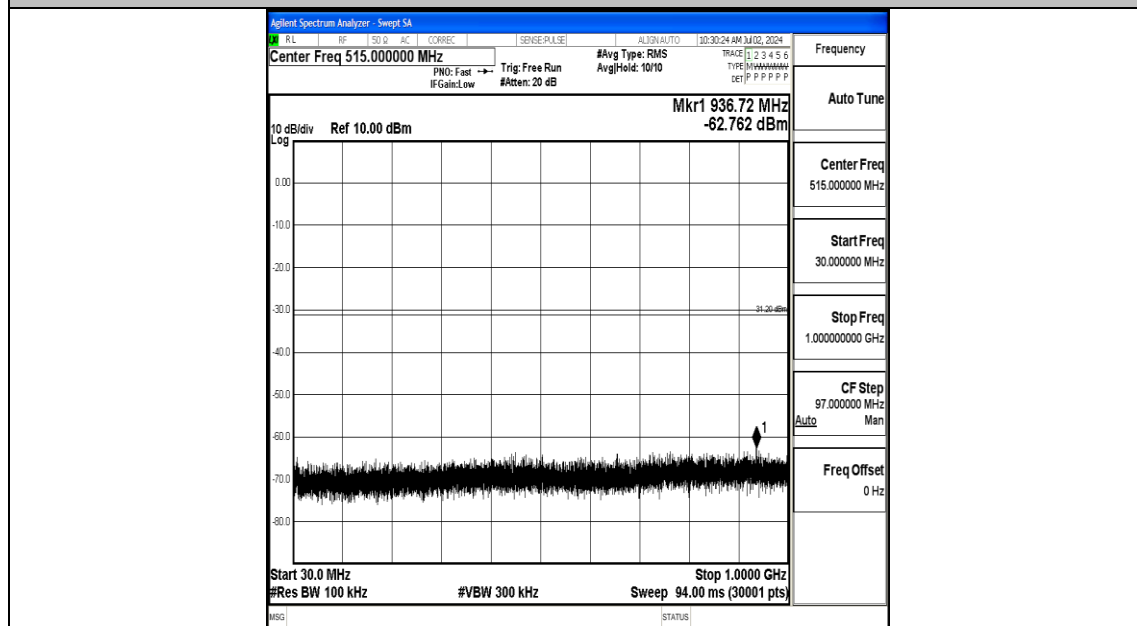
3DH5-Ant1-2402-30~1000-PASS



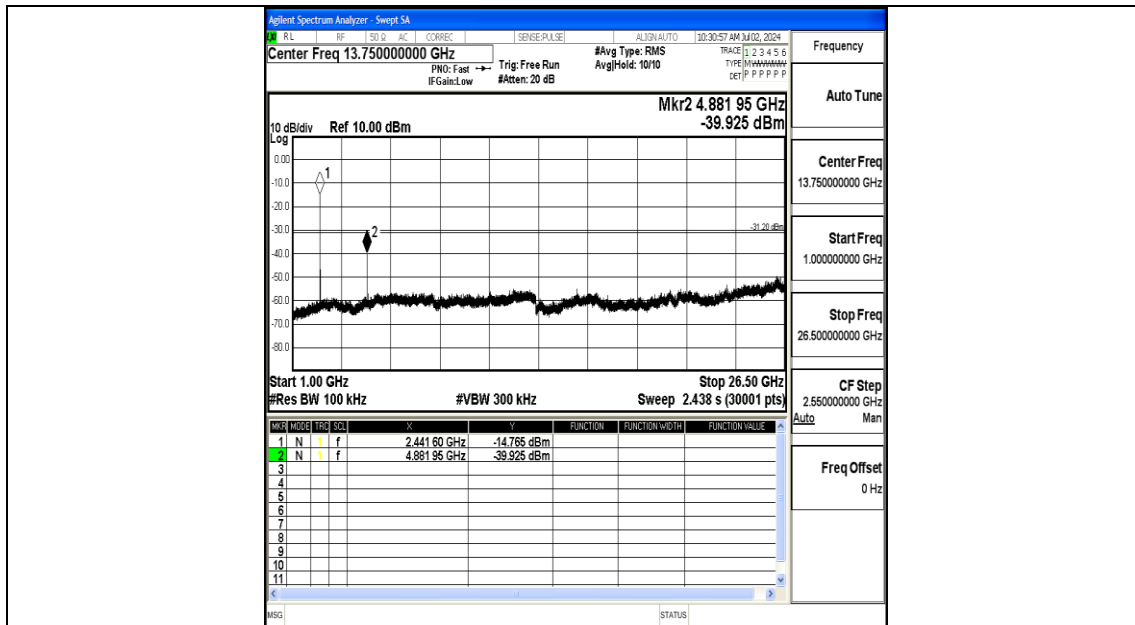
3DH5-Ant1-2402-1000~26500-PASS



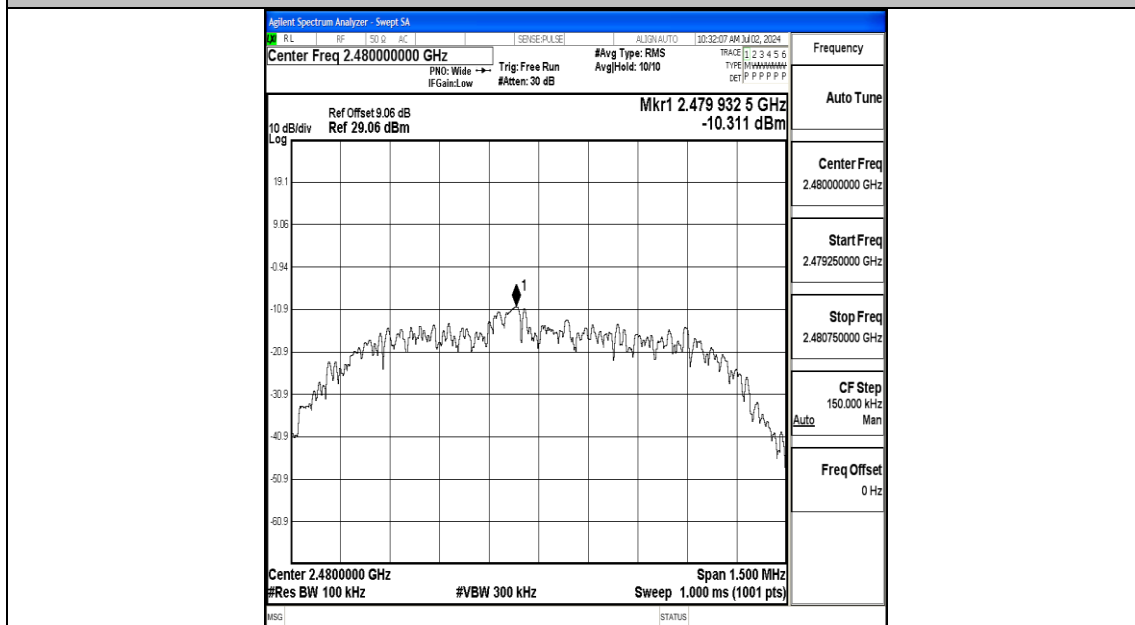
3DH5-Ant1-2441-0~Reference-PASS



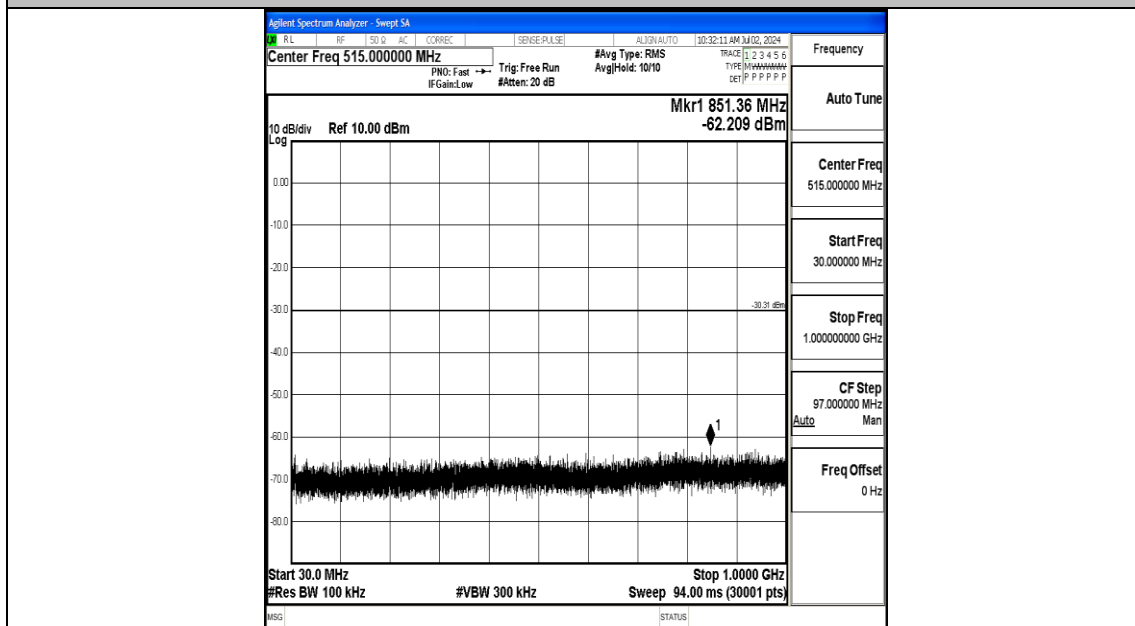
3DH5-Ant1-2441-30~1000-PASS



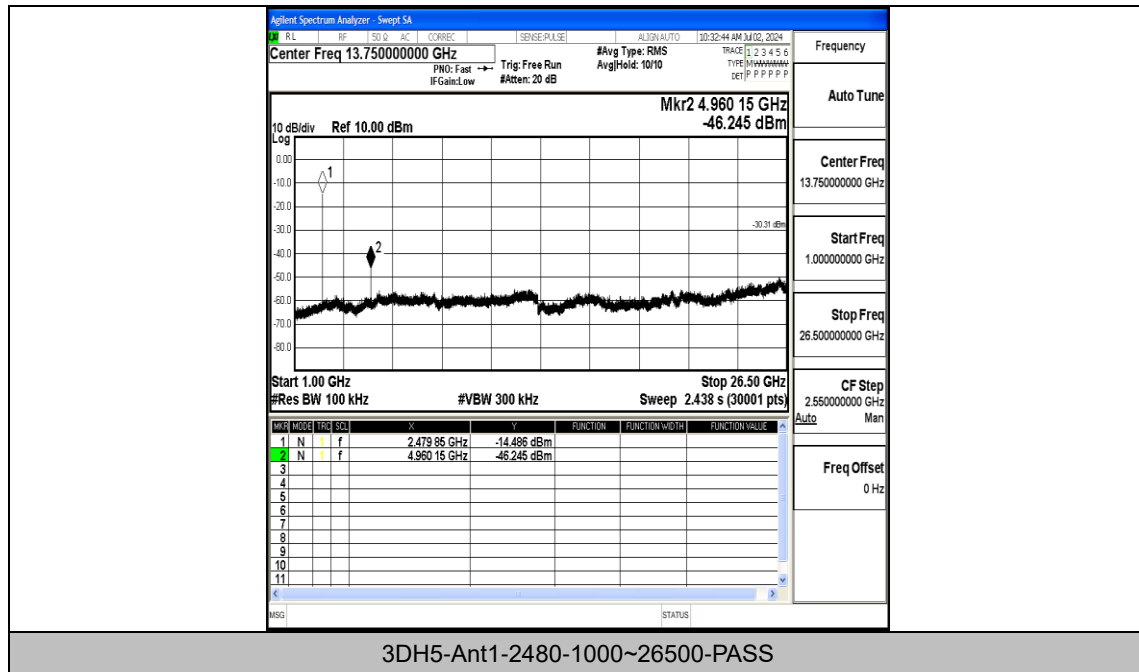
3DH5-Ant1-2441-1000~26500-PASS



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



3DH5-Ant1-2480-30~1000-PASS

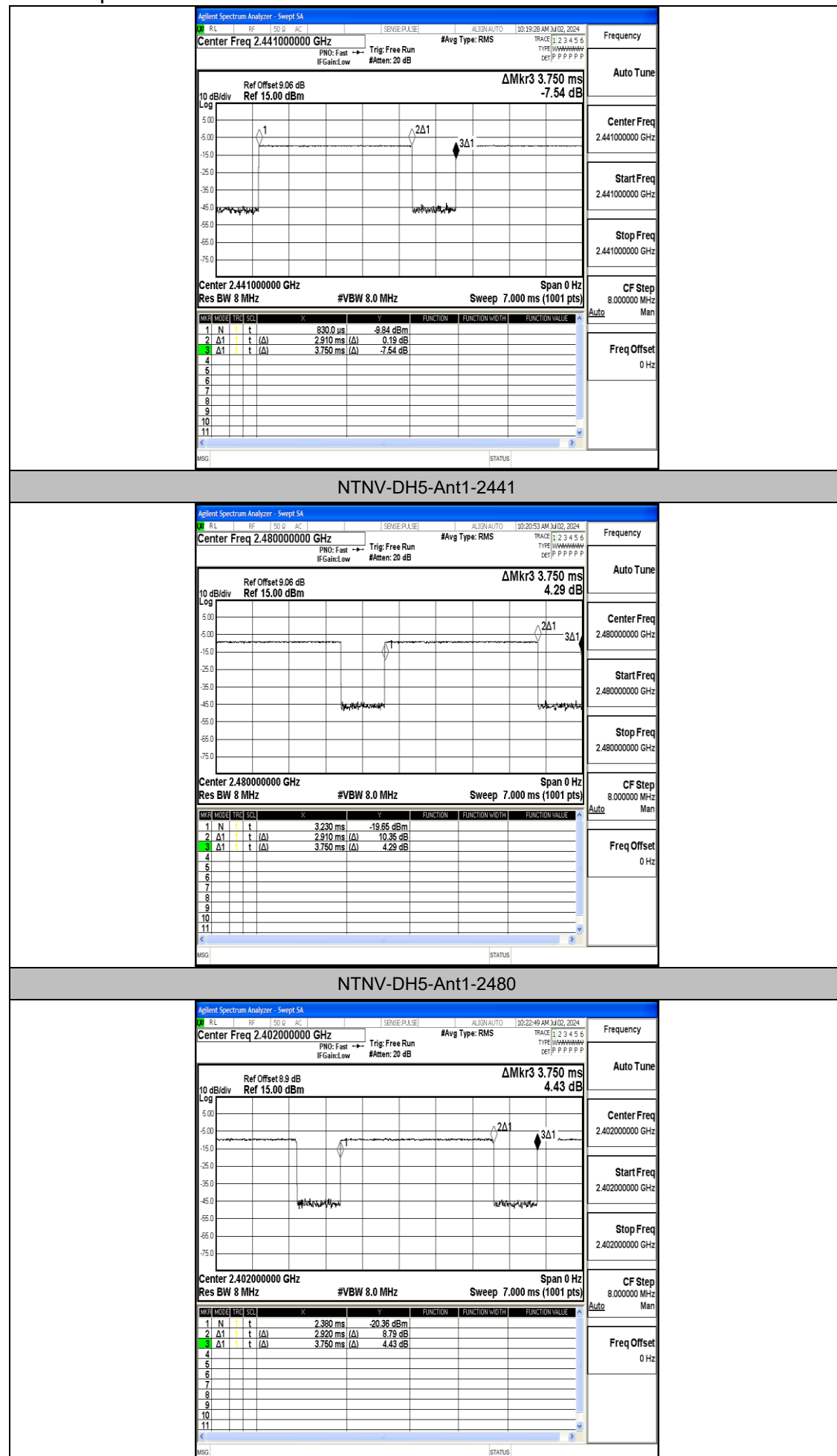


Appendix I: Duty Cycle

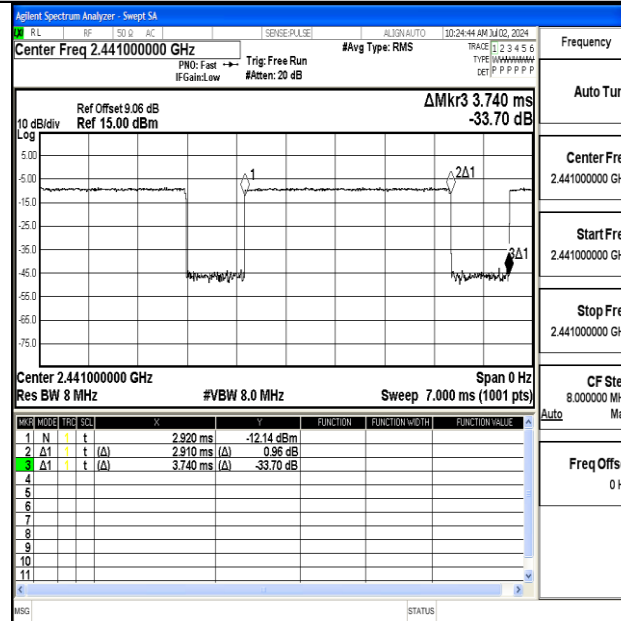
Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.91	3.75	77.60	1.10
2DH5	Ant1	2402	2.92	3.75	77.87	1.09
2DH5	Ant1	2441	2.91	3.74	77.81	1.09
2DH5	Ant1	2480	2.92	3.75	77.87	1.09
3DH5	Ant1	2402	2.92	3.75	77.87	1.09
3DH5	Ant1	2441	2.92	3.75	77.87	1.09
3DH5	Ant1	2480	2.92	3.76	77.66	1.10

Test Graphs



NTNV-2DH5-Ant1-2402



Frequency

Auto Tune

Center Freq

Start Freq

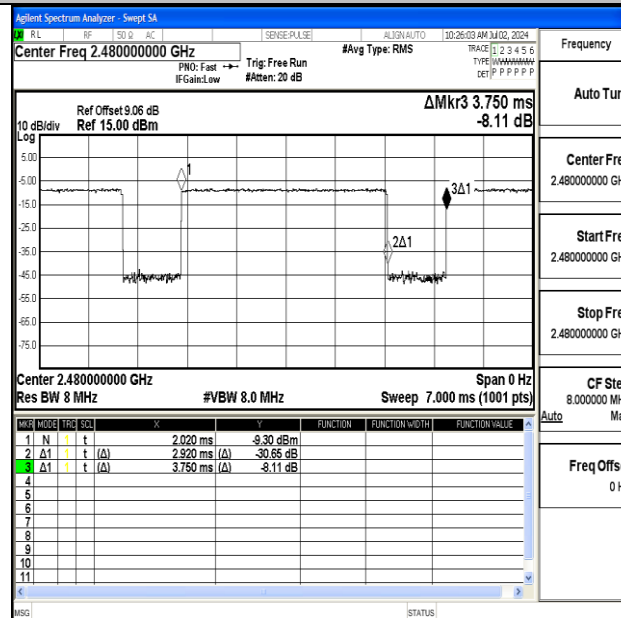
Stop Freq

CF Step

Auto

Freq Offset

NTNV-2DH5-Ant1-2441



Frequency

Auto Tune

Center Freq

Start Freq

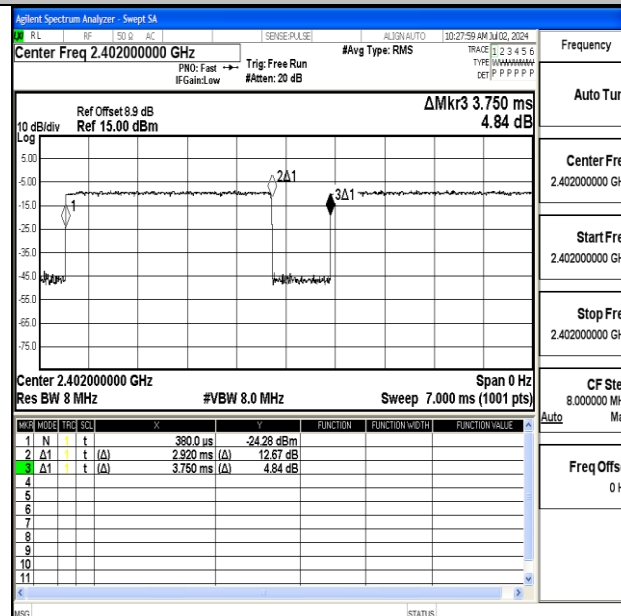
Stop Freq

CF Step

Auto

Freq Offset

NTNV-2DH5-Ant1-2480



Frequency

Auto Tune

Center Freq

Start Freq

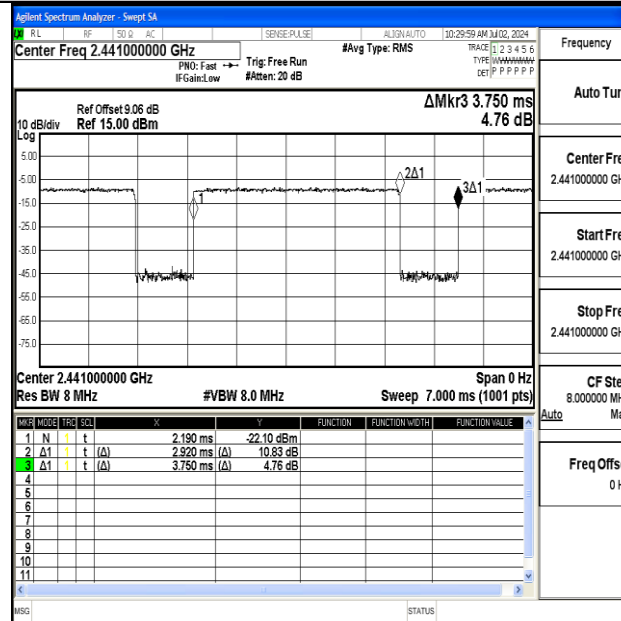
Stop Freq

CF Step

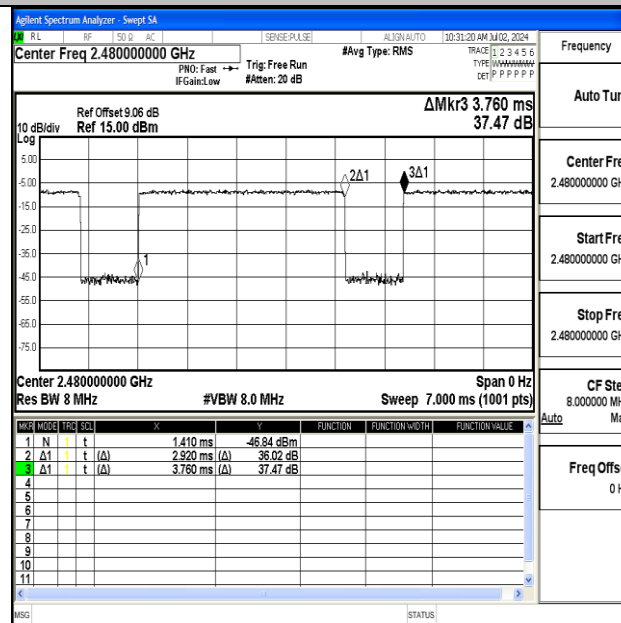
Auto

Freq Offset

NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441



NTNV-3DH5-Ant1-2480