

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

Product Name: Sound bar

Trade Mark: SineAudio, Saiyin, RIOWOIS, Anpharala

Test Model: DS6345H

FCC ID: 2AP93-DS6X5

Environmental Conditions

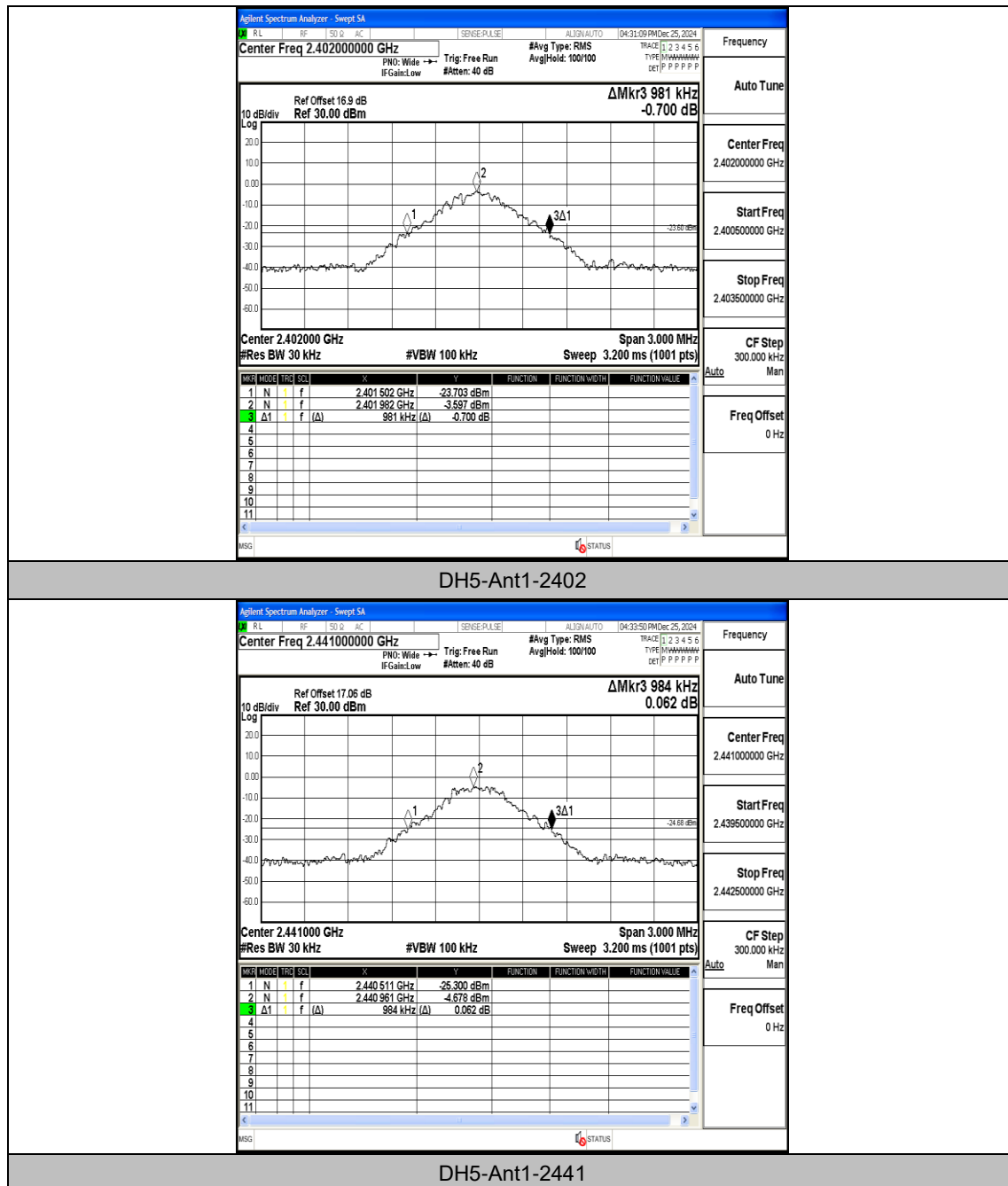
Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

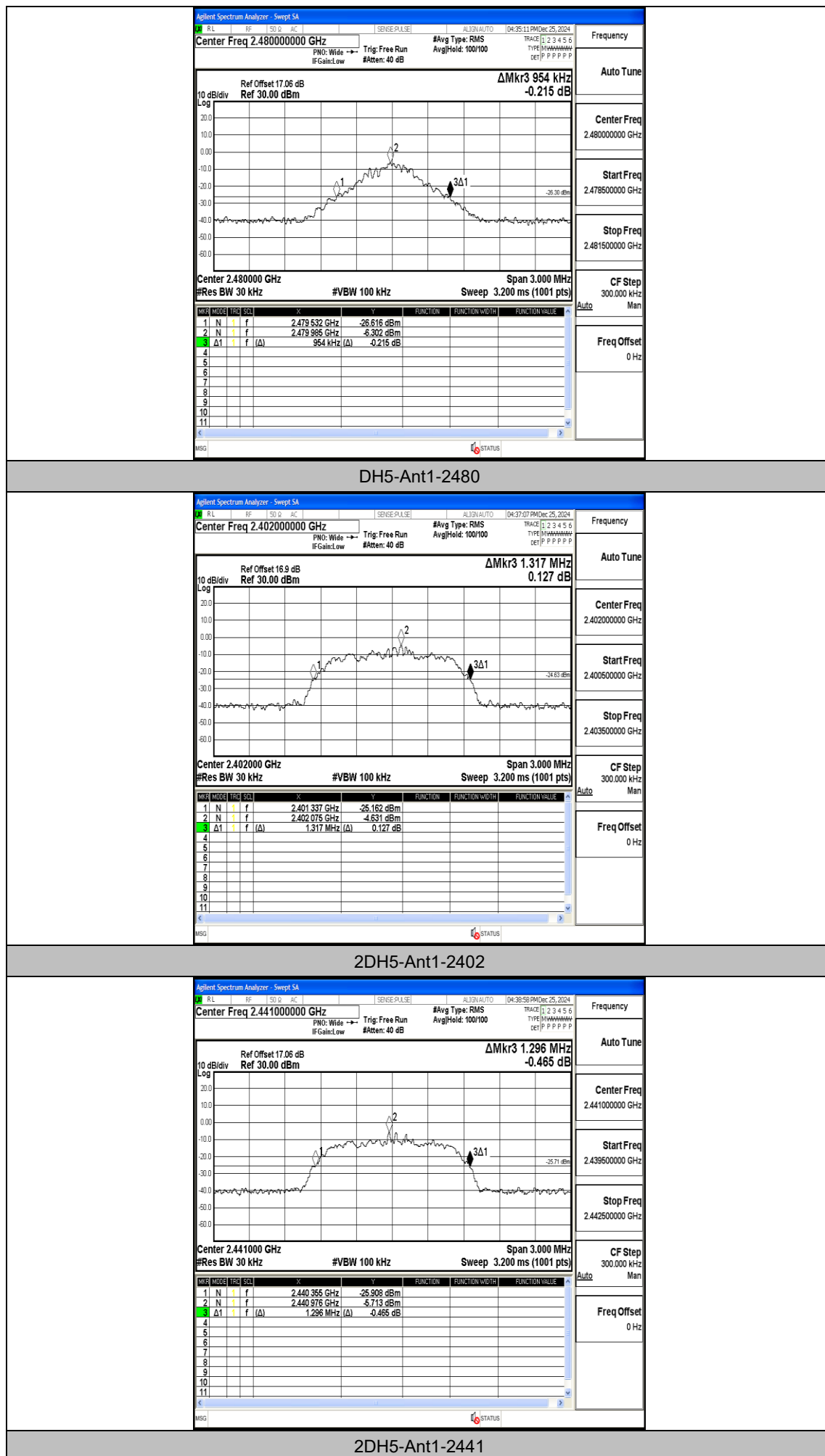
Appendix A: 20dB Emission Bandwidth

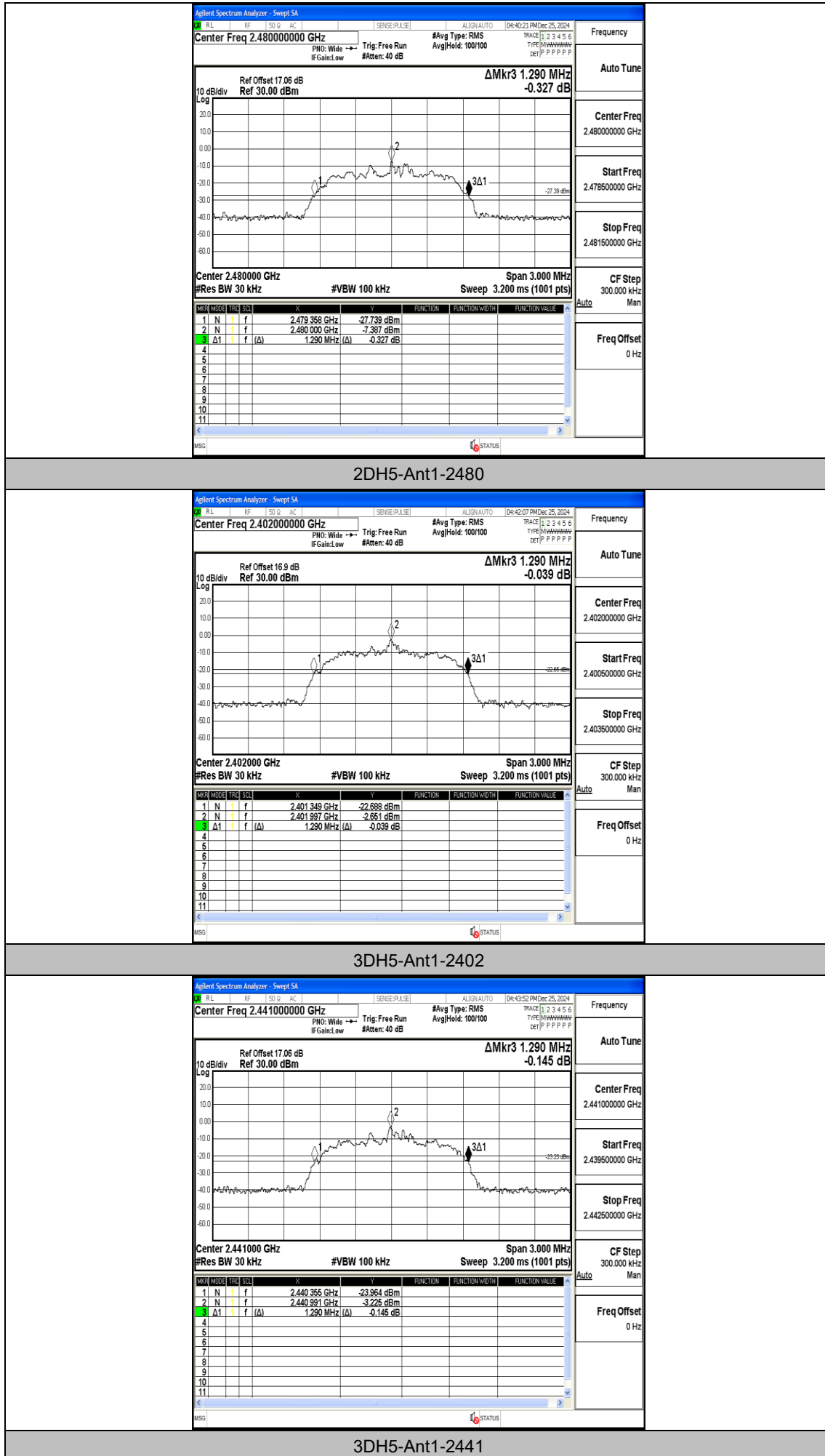
Test Result

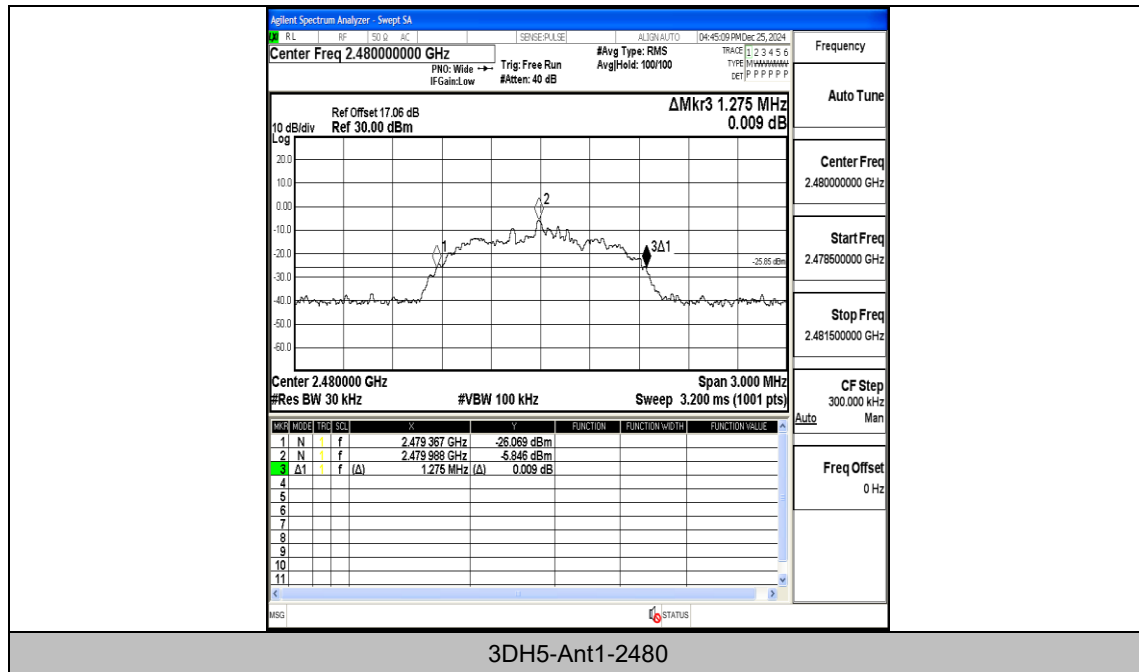
Test Mode	Antenna	Frequency [MHz]	20db EBW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.981	2401.502	2402.483	---	---
DH5	Ant1	2441	0.984	2440.511	2441.495	---	---
DH5	Ant1	2480	0.954	2479.532	2480.486	---	---
2DH5	Ant1	2402	1.317	2401.337	2402.654	---	---
2DH5	Ant1	2441	1.296	2440.355	2441.651	---	---
2DH5	Ant1	2480	1.290	2479.358	2480.648	---	---
3DH5	Ant1	2402	1.290	2401.349	2402.639	---	---
3DH5	Ant1	2441	1.290	2440.355	2441.645	---	---
3DH5	Ant1	2480	1.275	2479.367	2480.642	---	---

Test Graphs







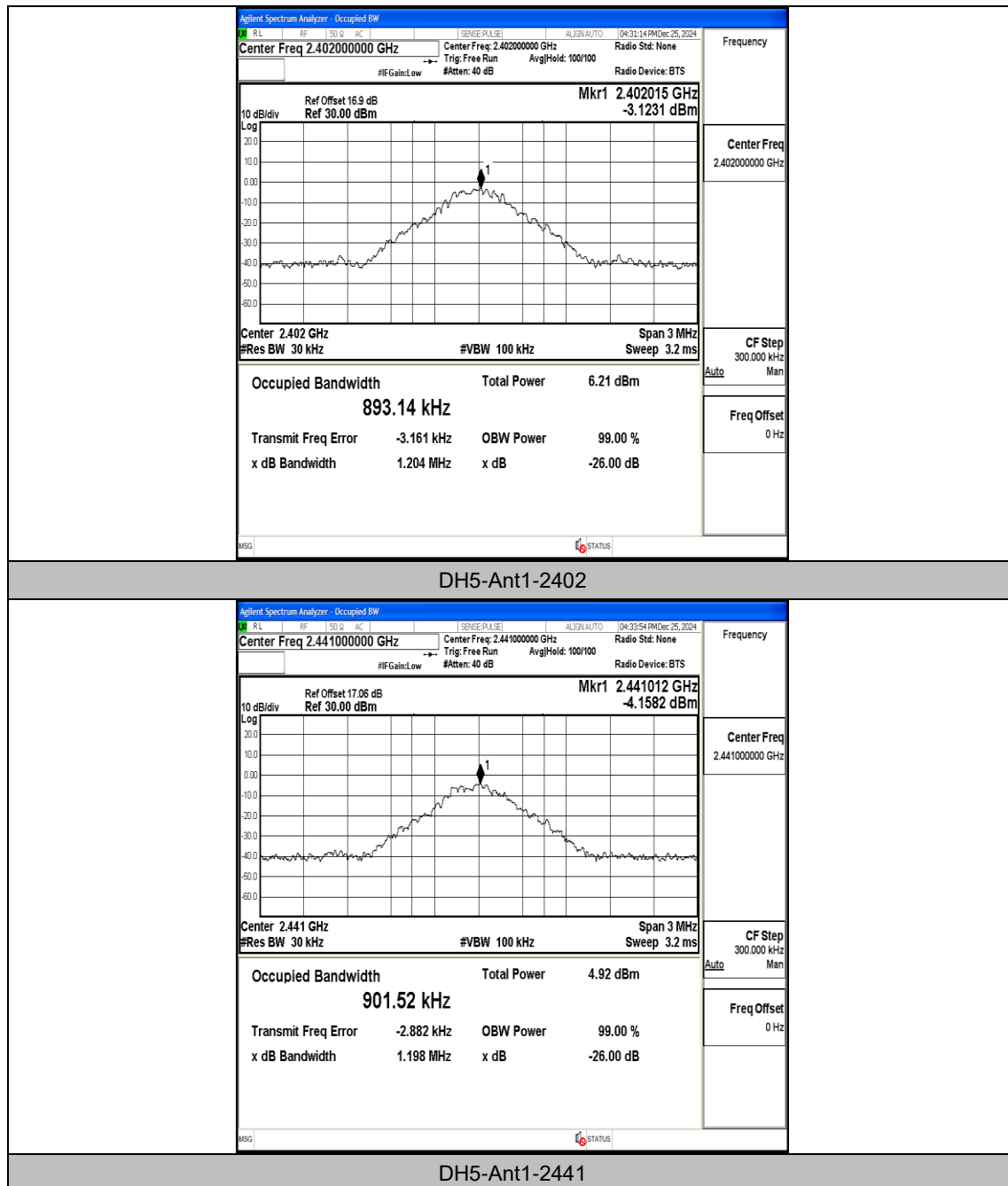


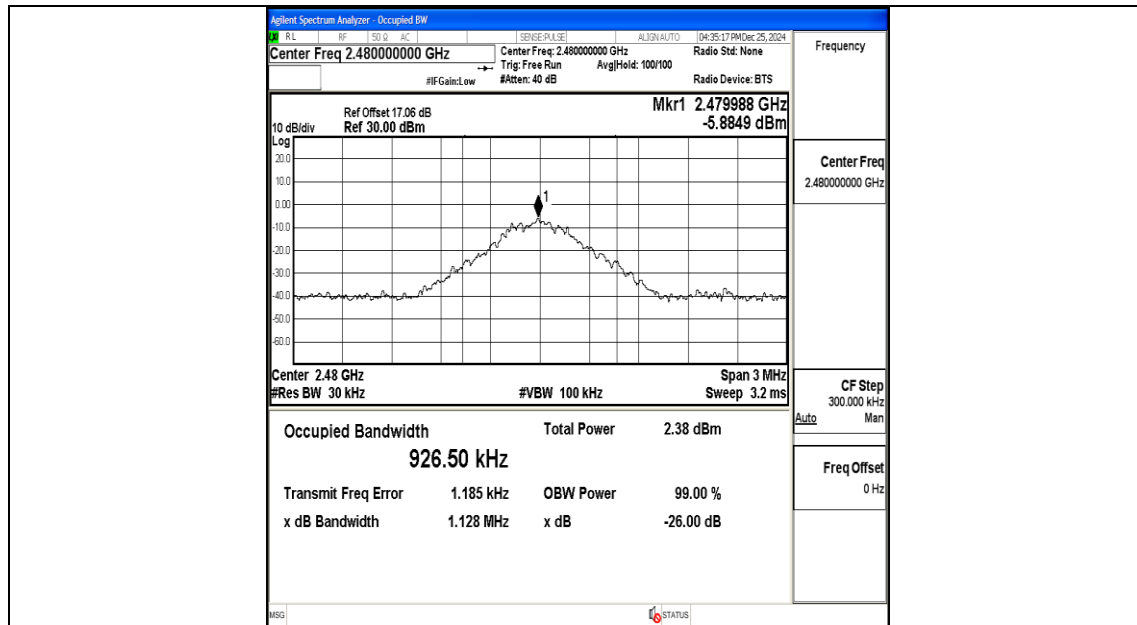
Appendix B: Occupied Channel Bandwidth

Test Result

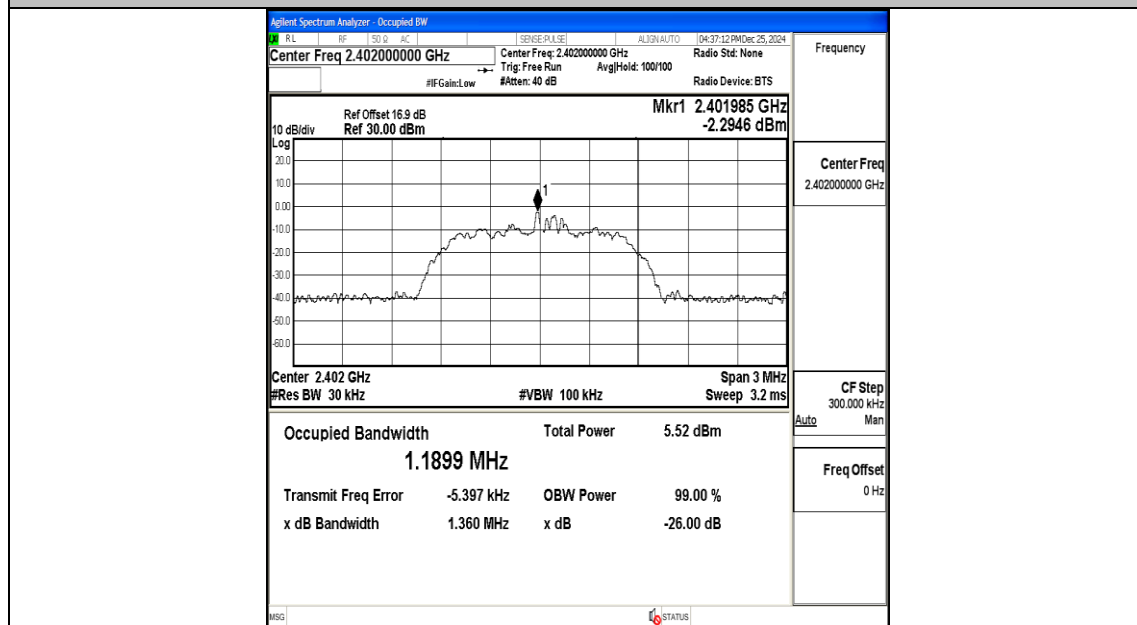
Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.89314	2401.5503	2402.4434	---	---
DH5	Ant1	2441	0.90152	2440.5464	2441.4479	---	---
DH5	Ant1	2480	0.92650	2479.5379	2480.4644	---	---
2DH5	Ant1	2402	1.1899	2401.3997	2402.5896	---	---
2DH5	Ant1	2441	1.1913	2440.3994	2441.5907	---	---
2DH5	Ant1	2480	1.2082	2479.3880	2480.5962	---	---
3DH5	Ant1	2402	1.1743	2401.4146	2402.5889	---	---
3DH5	Ant1	2441	1.1993	2440.3949	2441.5942	---	---
3DH5	Ant1	2480	1.2053	2479.3975	2480.6028	---	---

Test Graphs

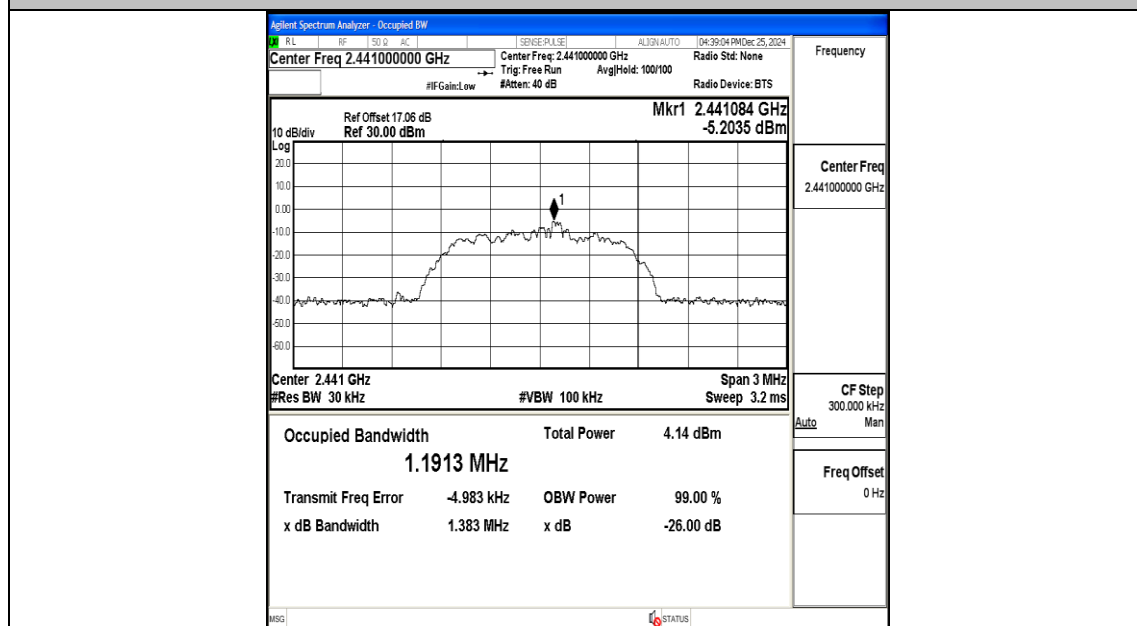




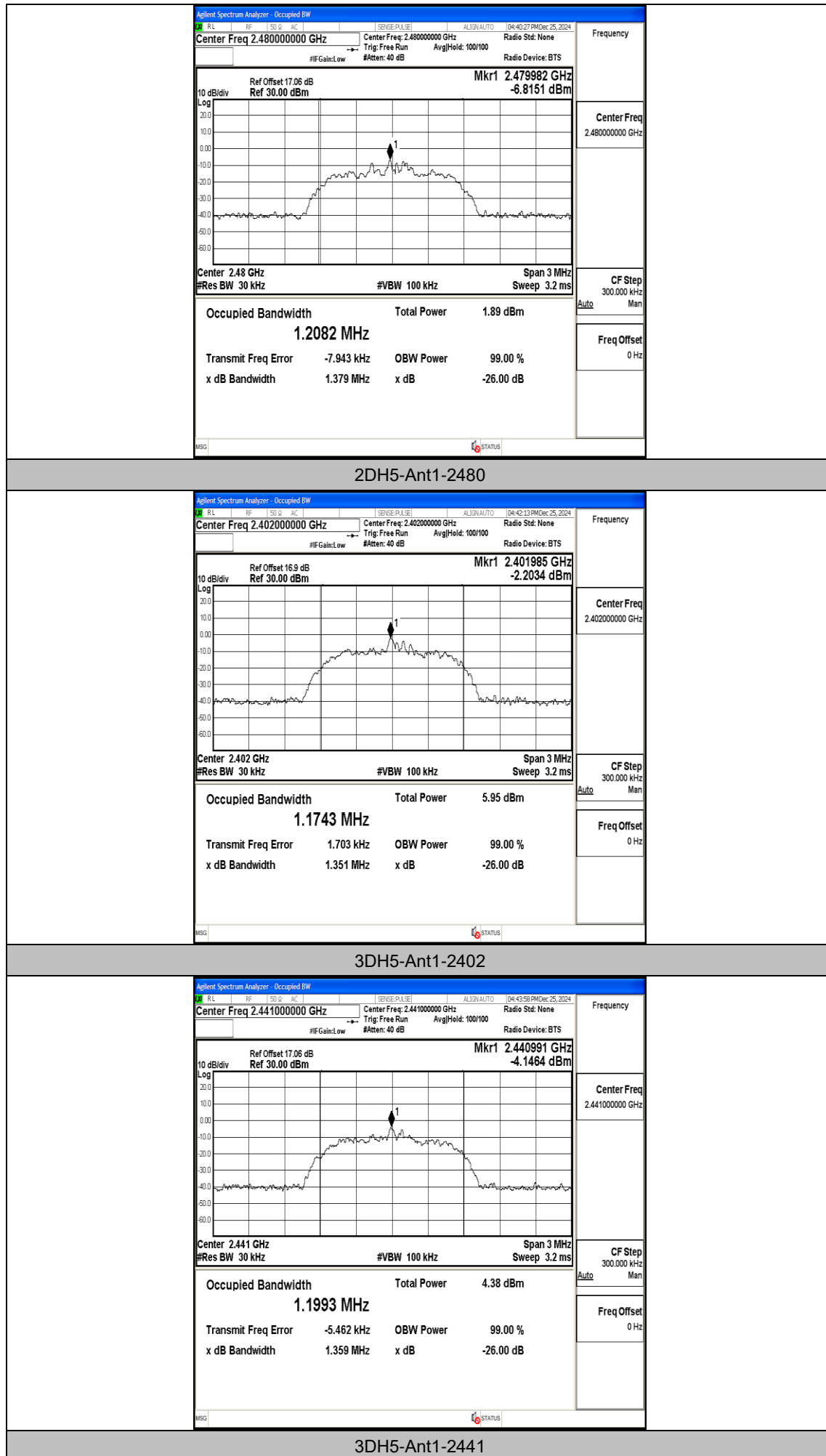
DH5-Ant1-2480

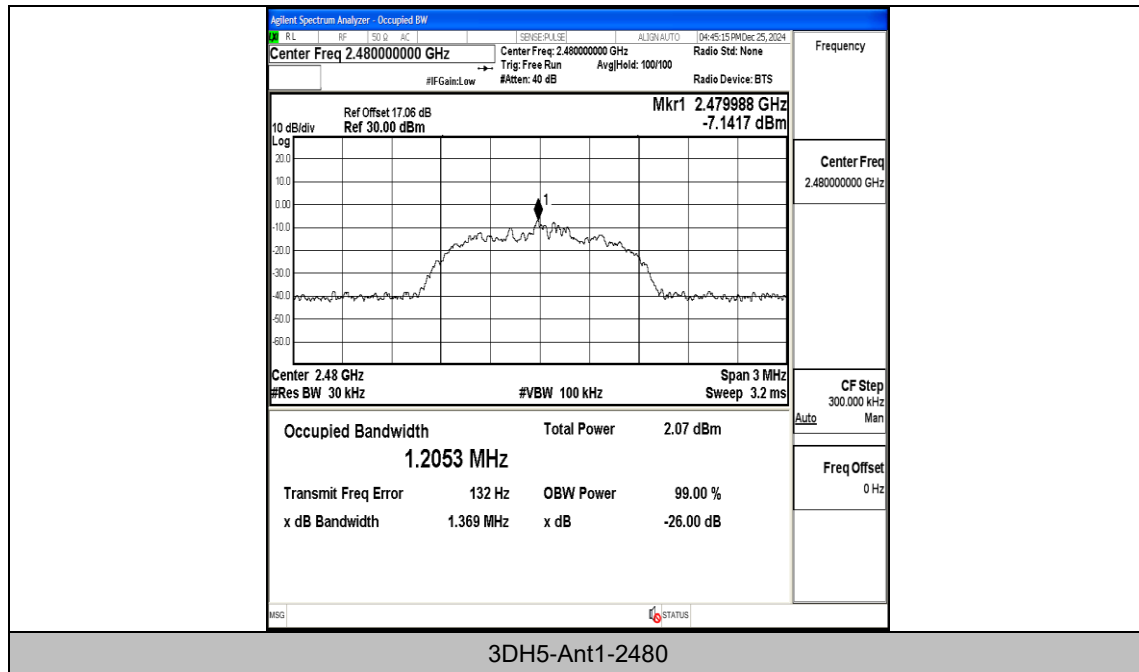


2DH5-Ant1-2402



2DH5-Ant1-2441



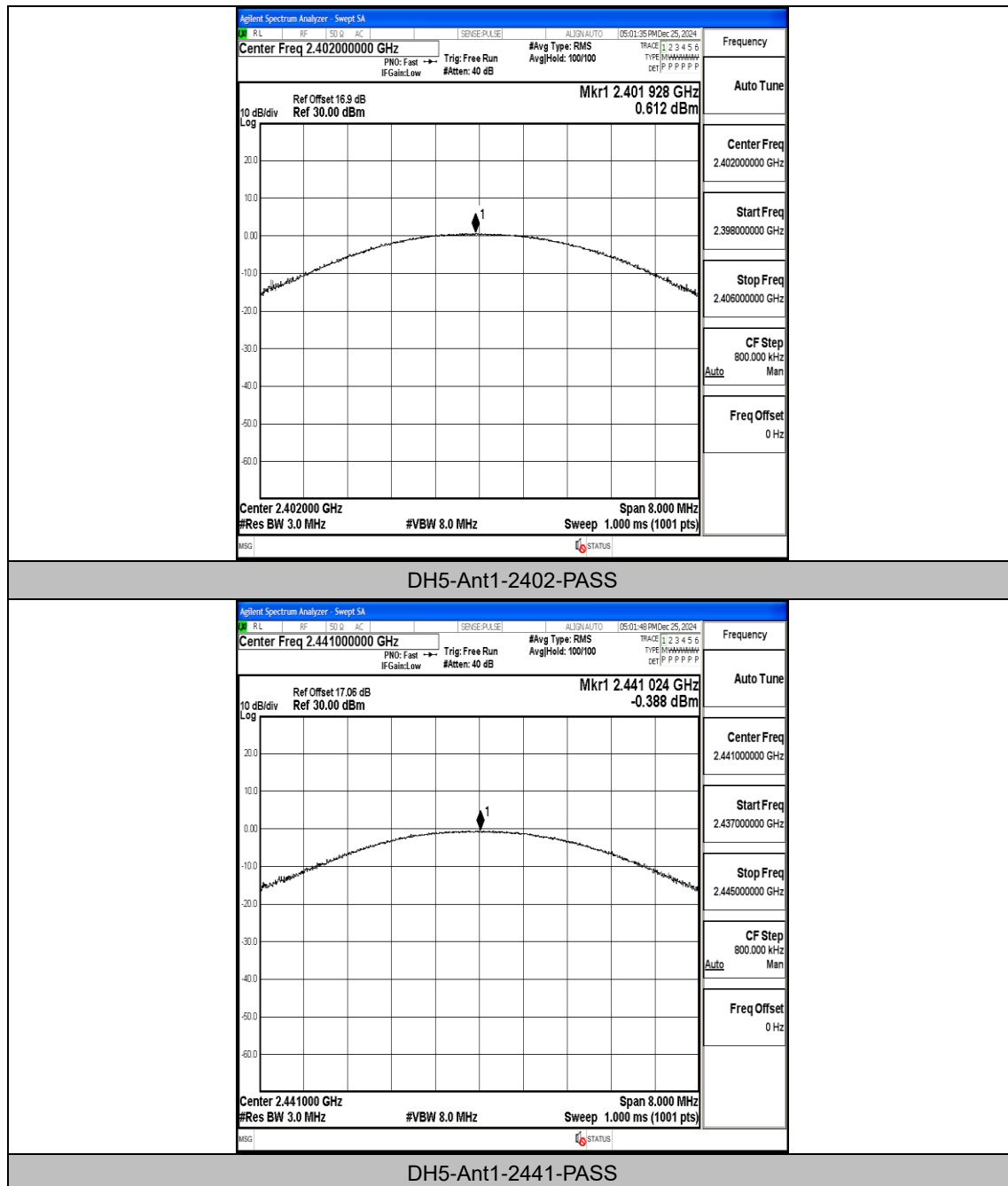


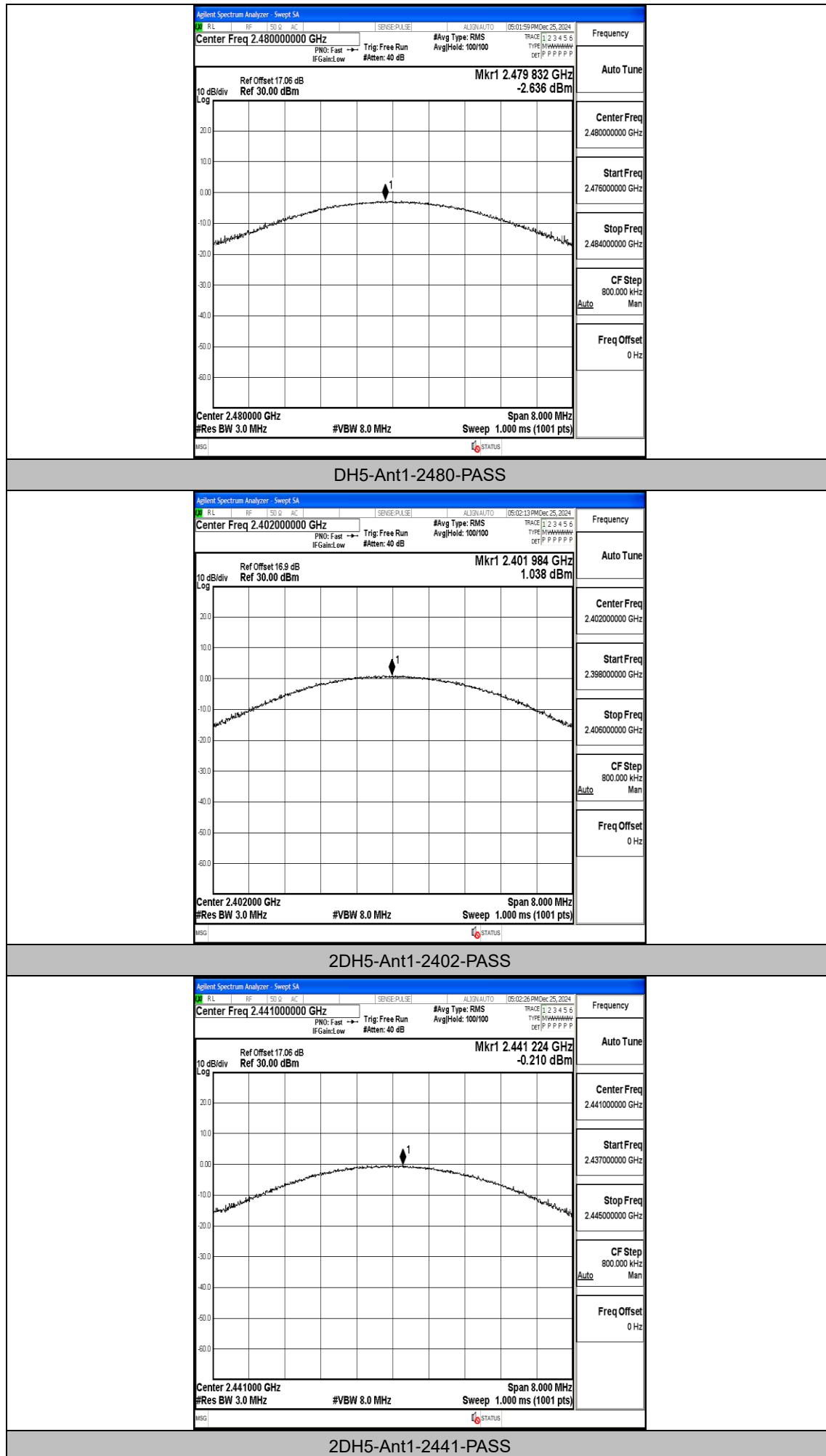
Appendix C: Maximum peak conducted output power

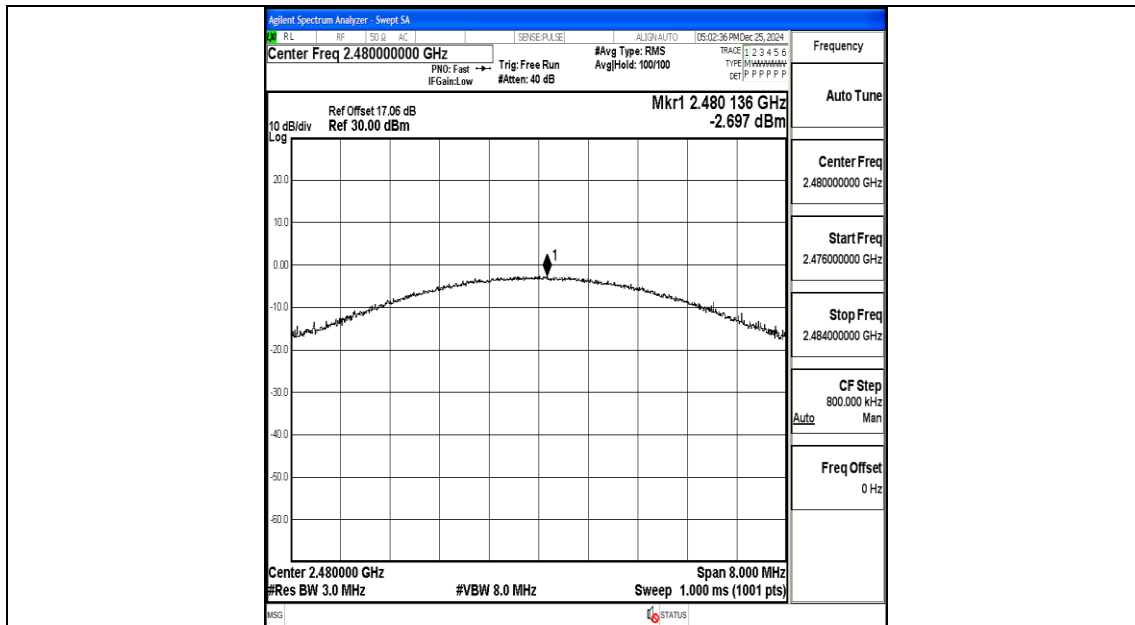
Test Result

Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	0.61	≤30	PASS
DH5	Ant1	2441	-0.39	≤30	PASS
DH5	Ant1	2480	-2.64	≤30	PASS
2DH5	Ant1	2402	1.04	≤20.97	PASS
2DH5	Ant1	2441	-0.21	≤20.97	PASS
2DH5	Ant1	2480	-2.70	≤20.97	PASS
3DH5	Ant1	2402	1.07	≤20.97	PASS
3DH5	Ant1	2441	0.02	≤20.97	PASS
3DH5	Ant1	2480	-2.26	≤20.97	PASS

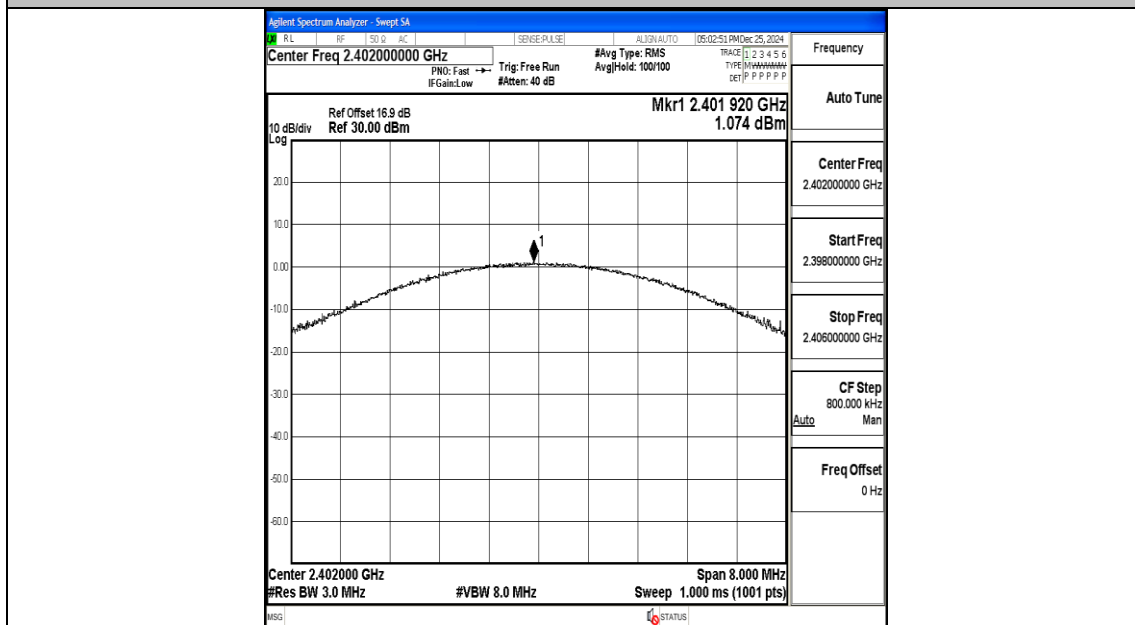
Test Graphs



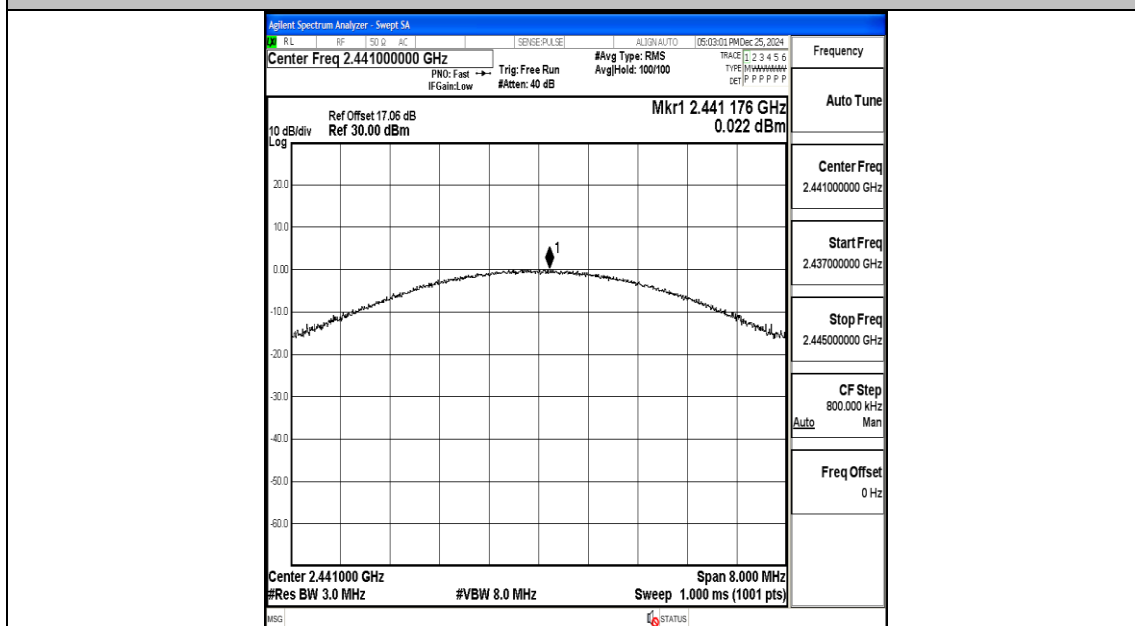




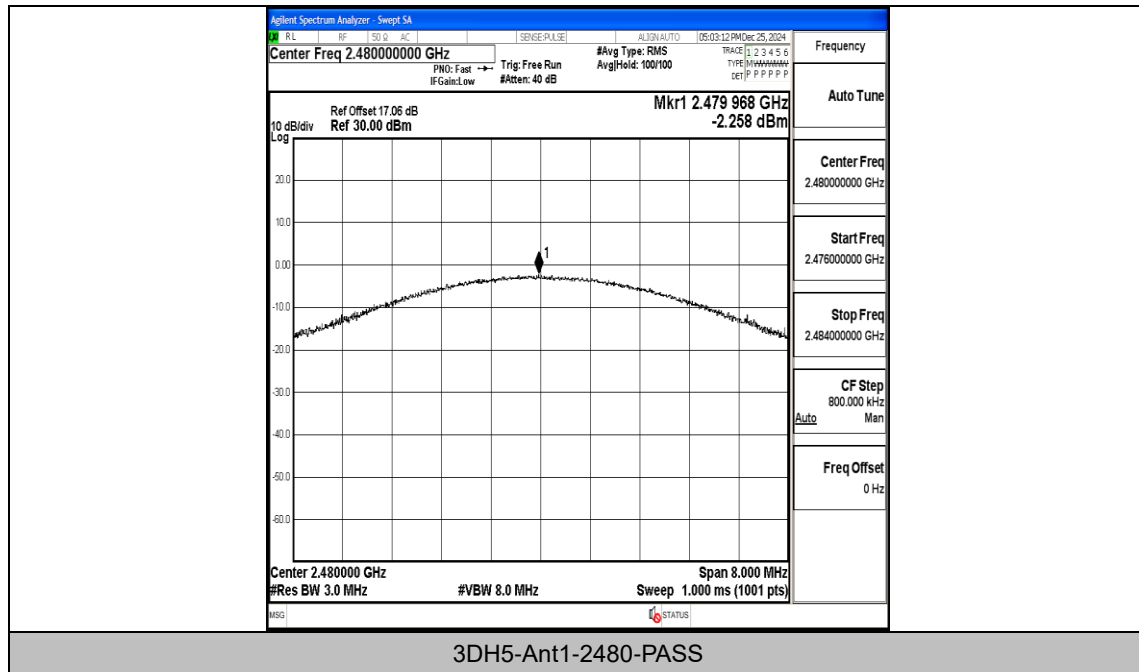
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS

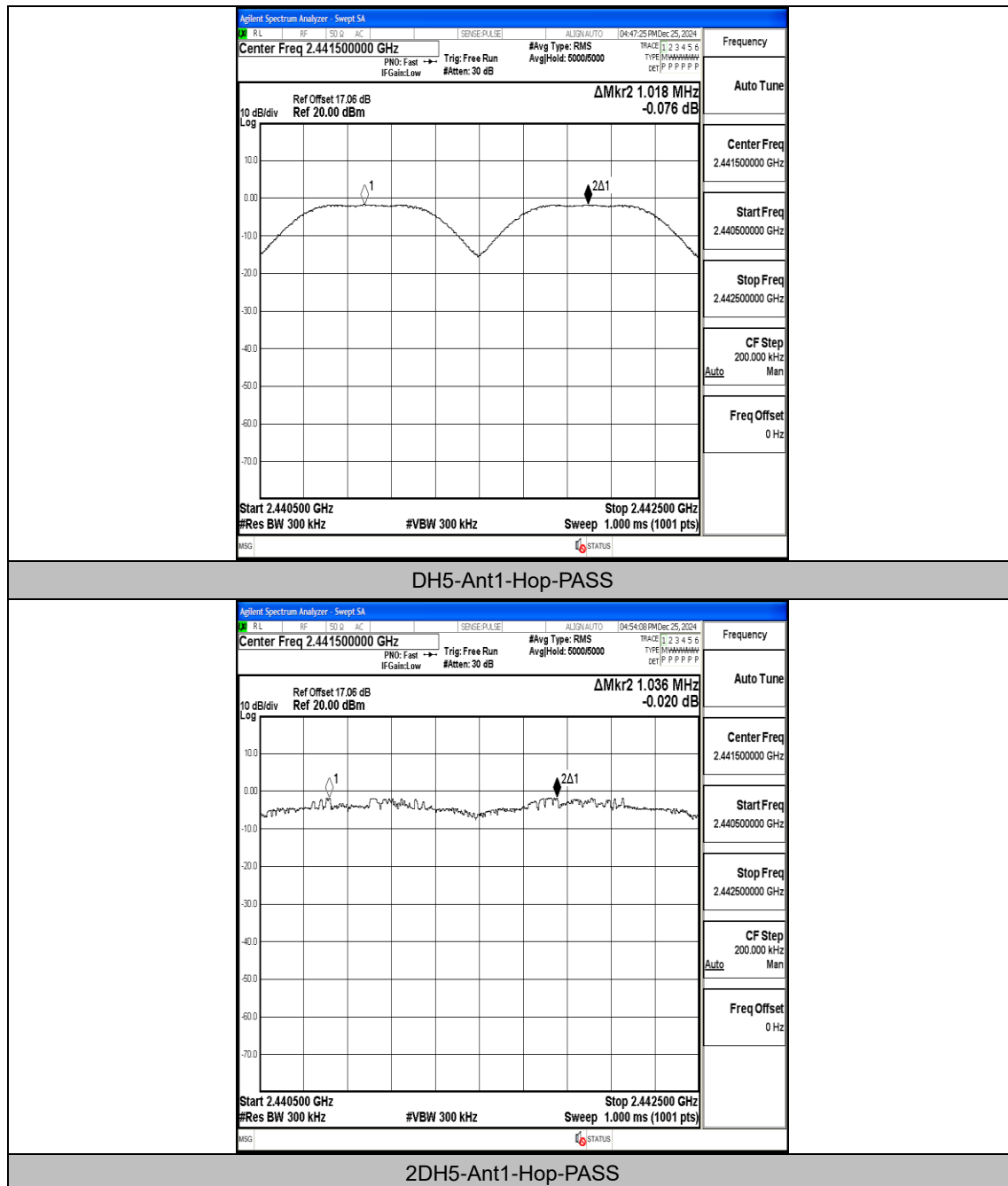


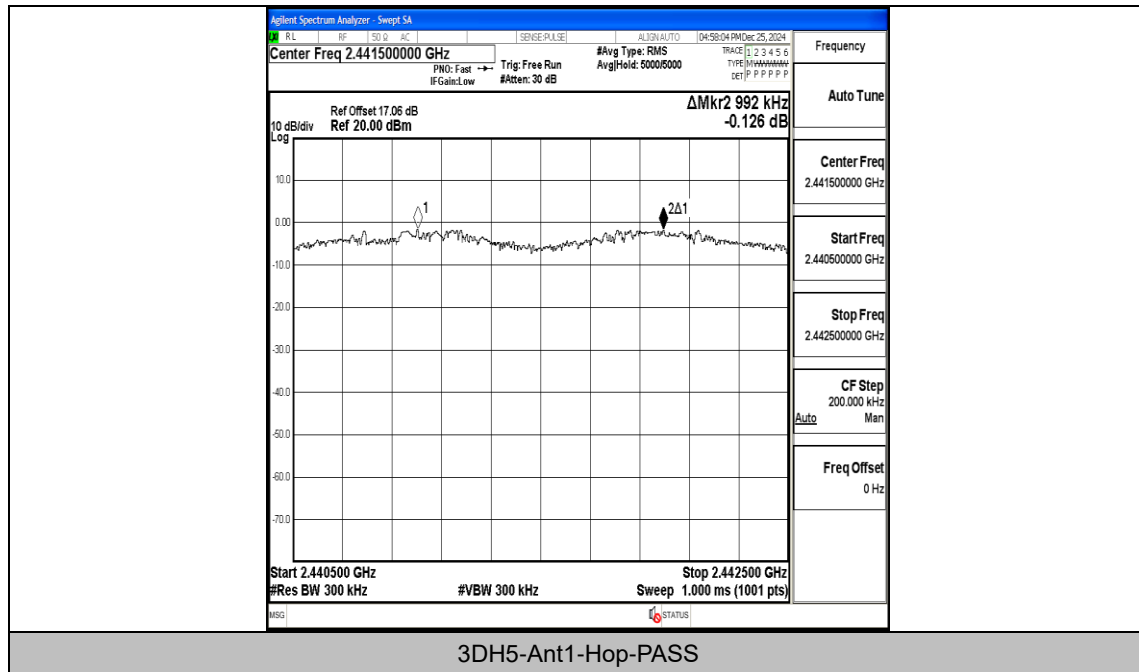
Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.018	≥ 0.984	PASS
2DH5	Ant1	Hop	1.036	≥ 0.878	PASS
3DH5	Ant1	Hop	0.992	≥ 0.860	PASS

Test Graphs



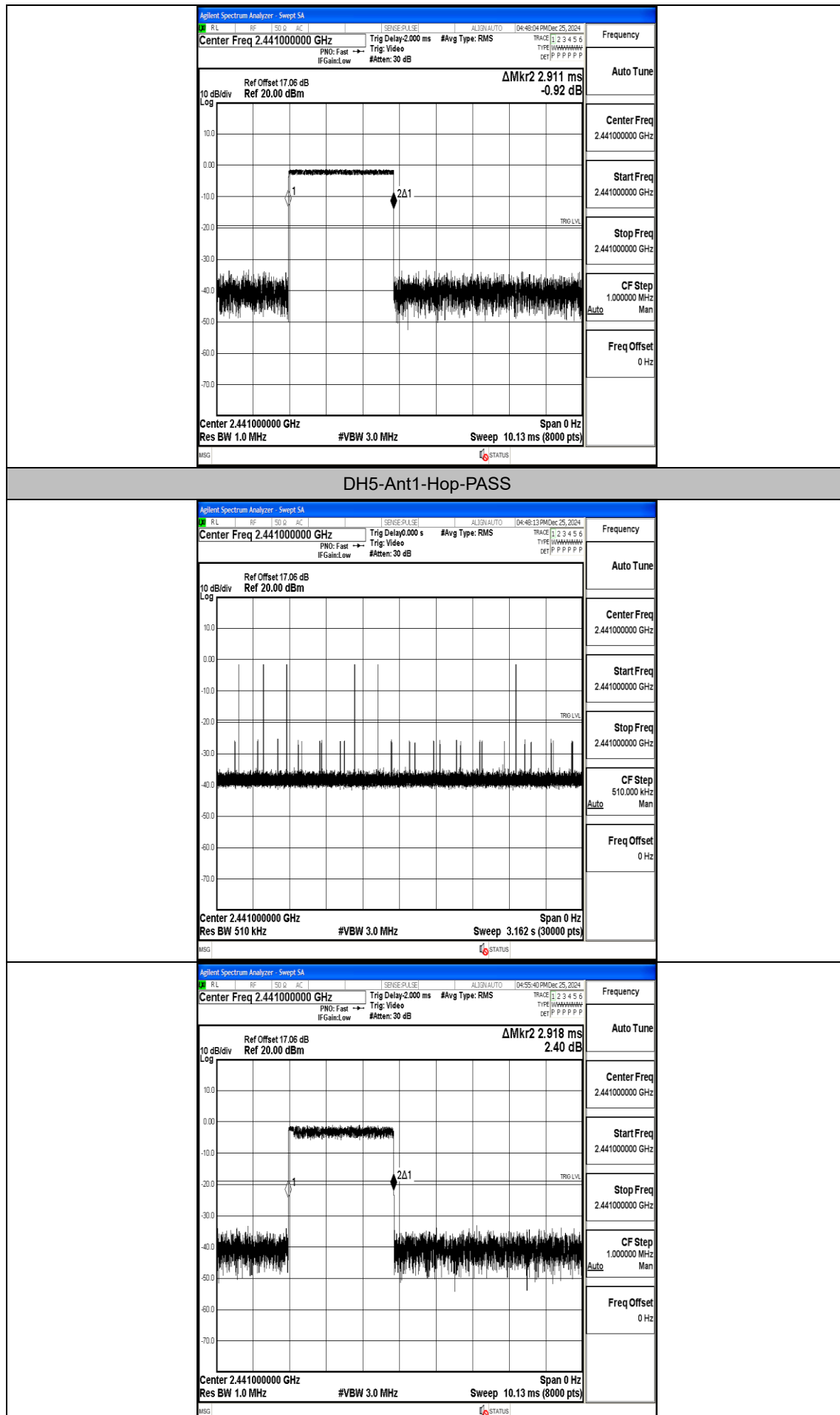


Appendix E: Time of occupancy

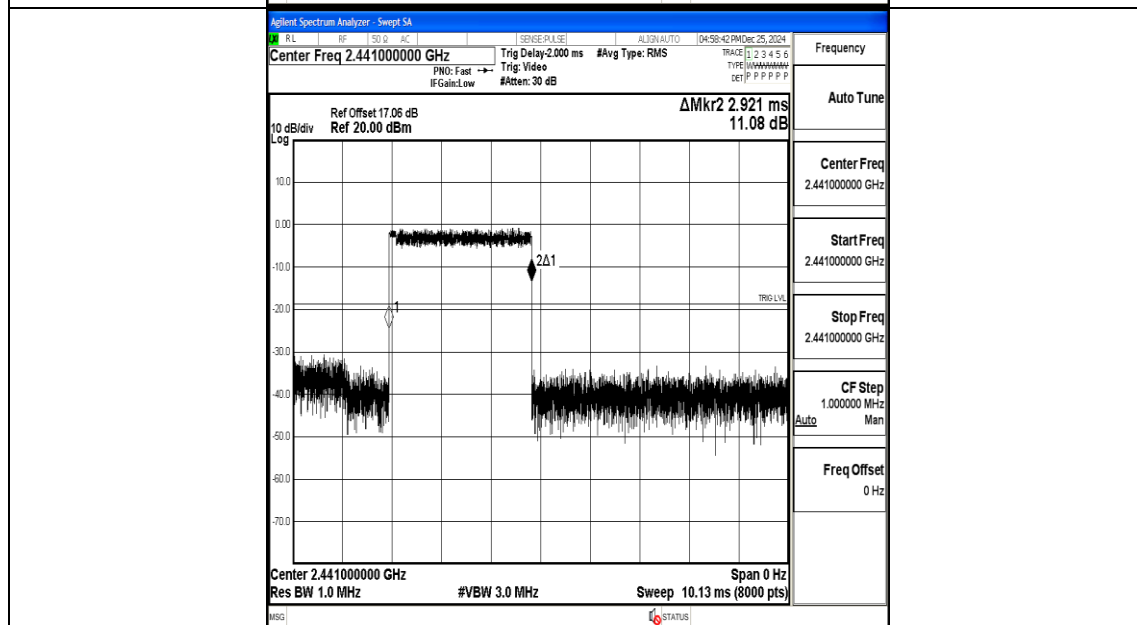
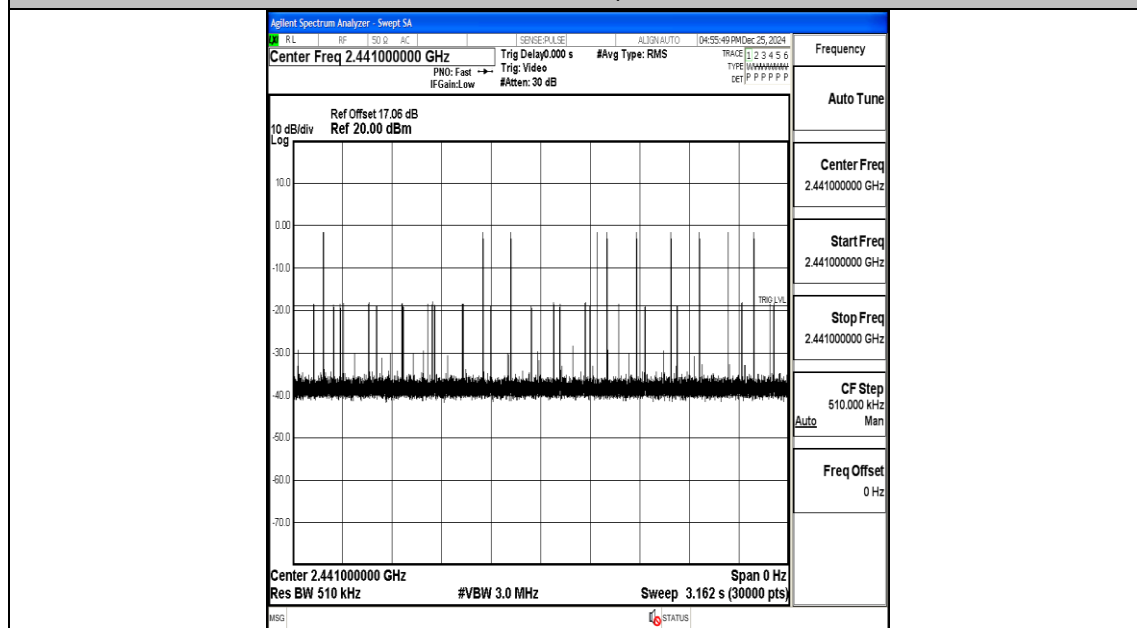
Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.911	70	0.204	≤0.4	PASS
2DH5	Ant1	Hop	2.918	110	0.321	≤0.4	PASS
3DH5	Ant1	Hop	2.921	100	0.292	≤0.4	PASS

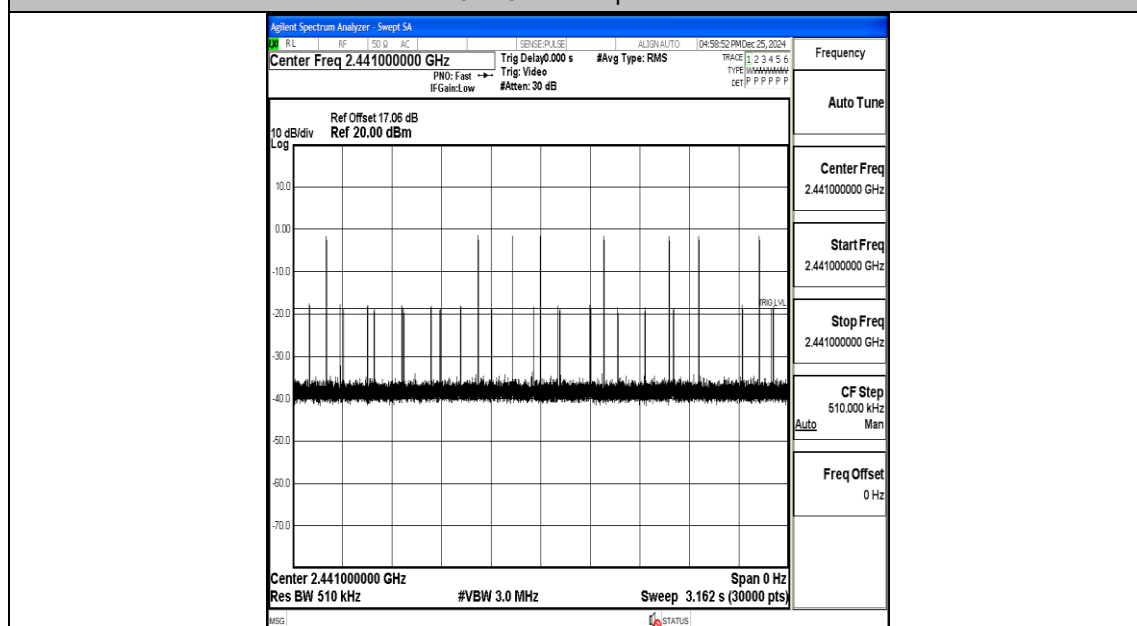
Test Graphs



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS

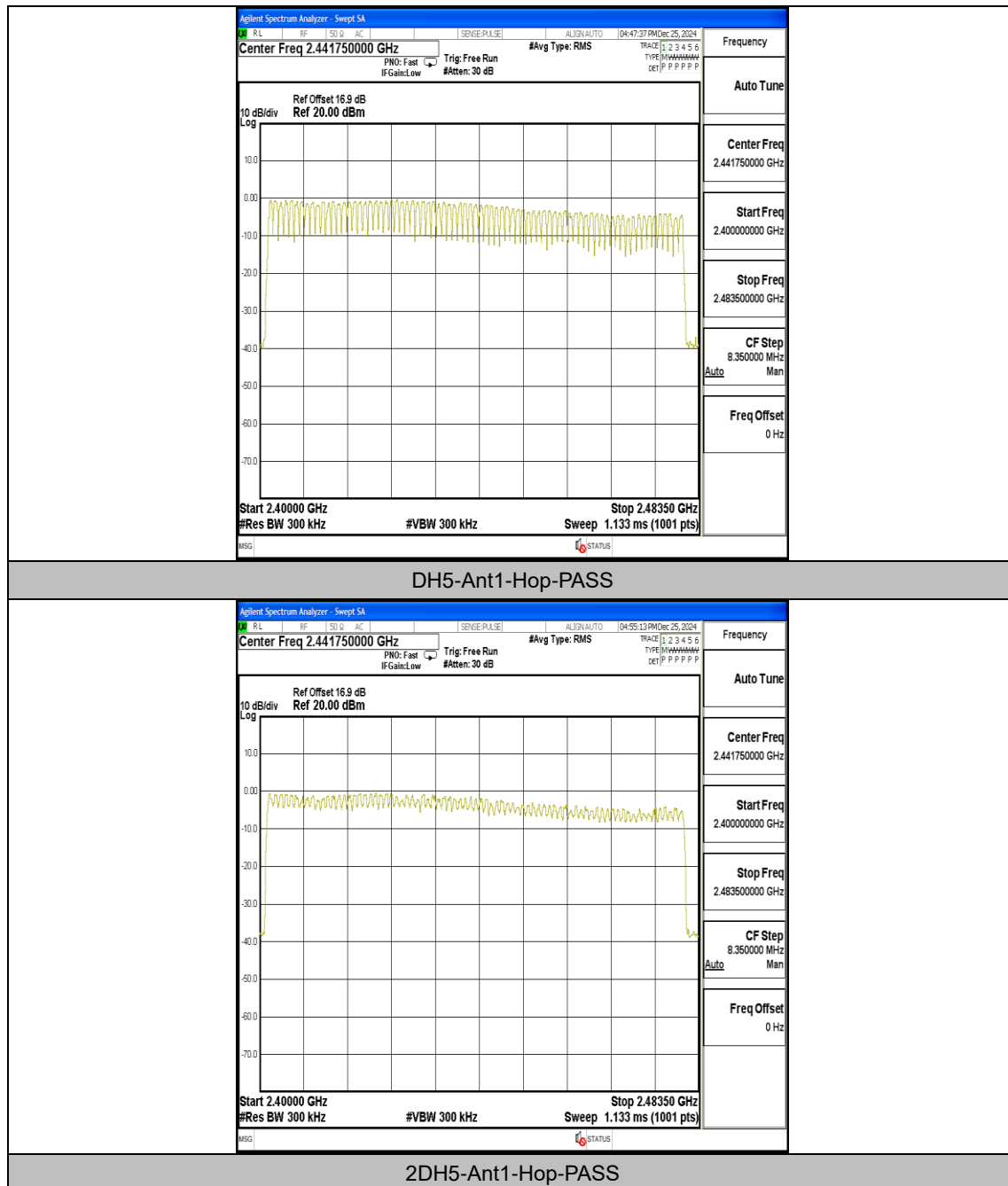


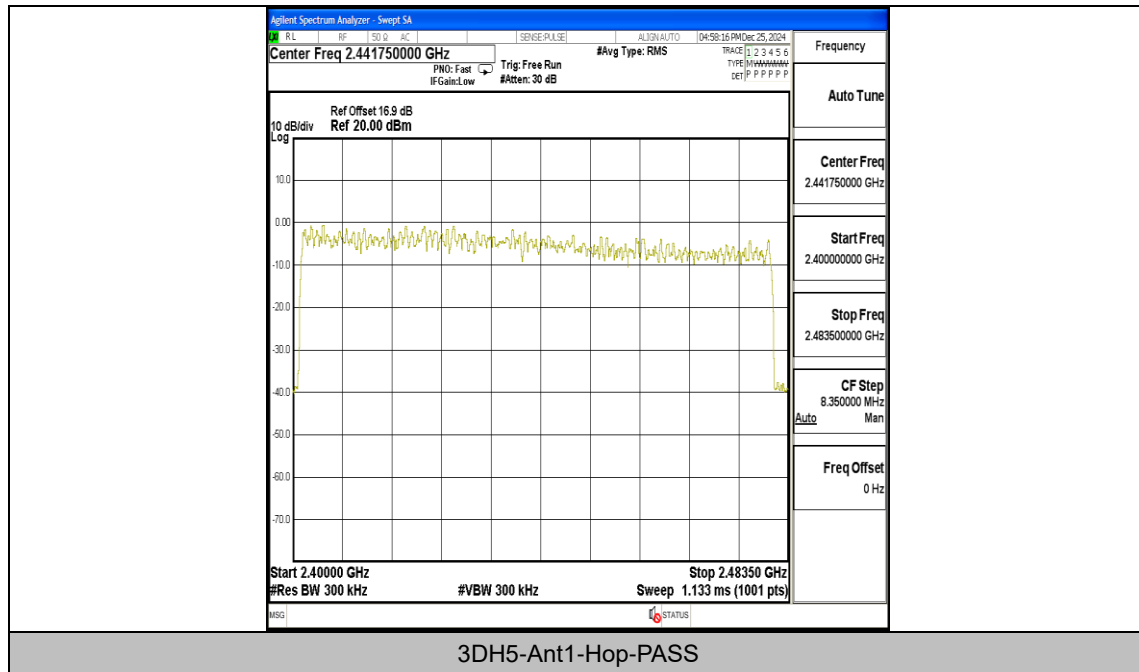
Appendix F: Number of hopping channels

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



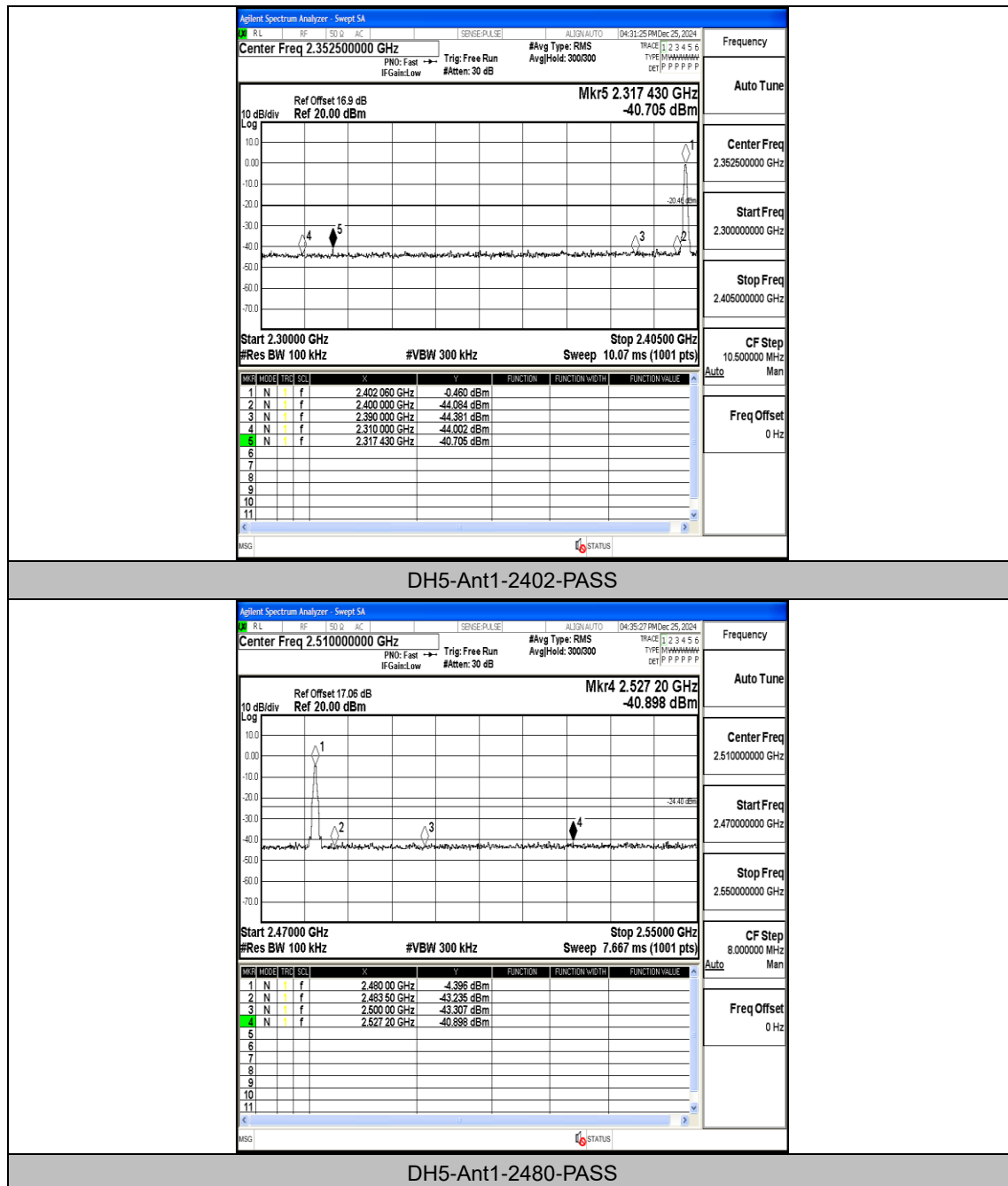


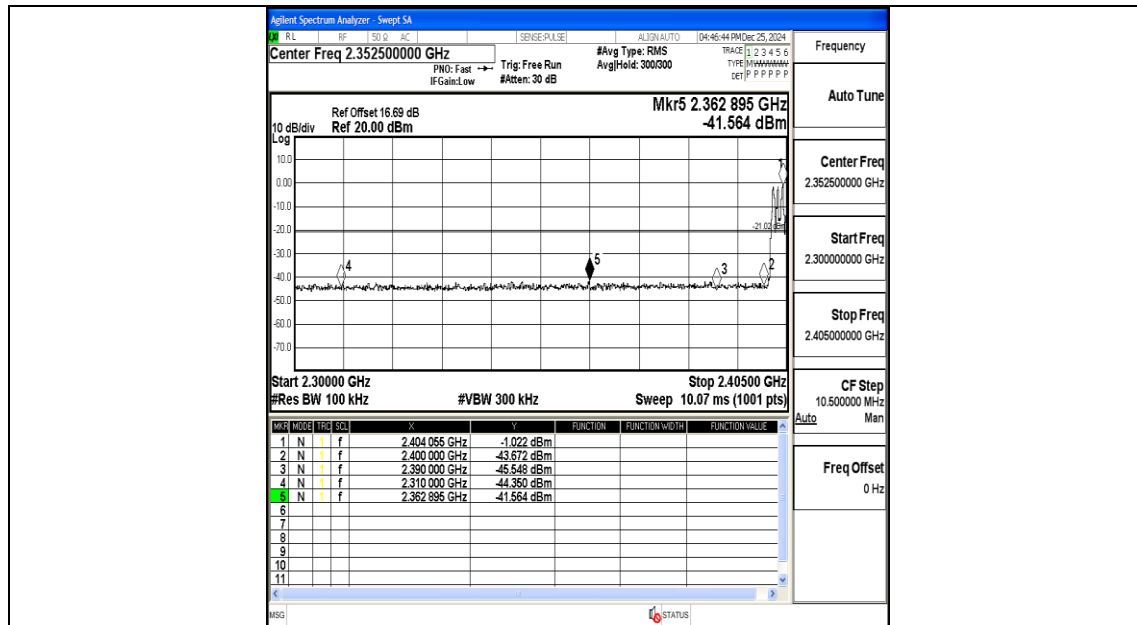
Appendix G: Band edge measurements

Test Result

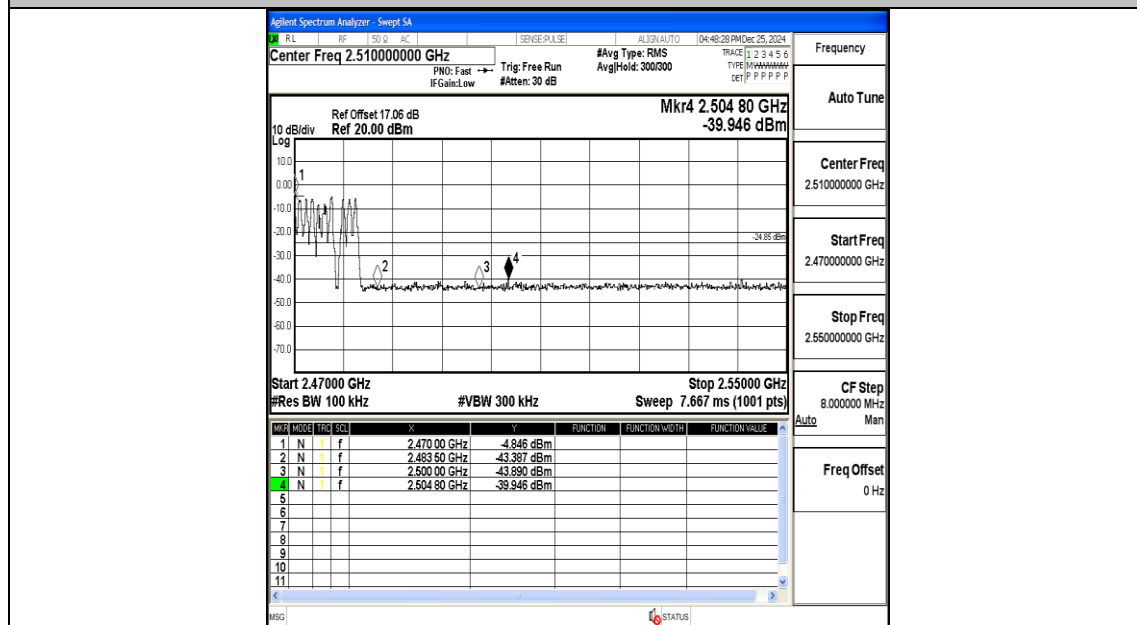
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.46	-40.71	≤ -20.46	PASS
DH5	Ant1	High	2480	-4.40	-40.9	≤ -24.4	PASS
DH5	Ant1	Low	Hop_2402	-1.02	-41.56	≤ -21.02	PASS
DH5	Ant1	High	Hop_2480	-4.85	-39.95	≤ -24.85	PASS
2DH5	Ant1	Low	2402	-0.79	-41.08	≤ -20.79	PASS
2DH5	Ant1	High	2480	-4.66	-40.57	≤ -24.66	PASS
2DH5	Ant1	Low	Hop_2402	-1.73	-41.48	≤ -21.73	PASS
2DH5	Ant1	High	Hop_2480	-5.04	-39.56	≤ -25.04	PASS
3DH5	Ant1	Low	2402	-0.97	-41.36	≤ -20.97	PASS
3DH5	Ant1	High	2480	-5.36	-40.17	≤ -25.36	PASS
3DH5	Ant1	Low	Hop_2402	-6.05	-41.94	≤ -26.05	PASS
3DH5	Ant1	High	Hop_2480	-5.47	-40.45	≤ -25.47	PASS

Test Graphs

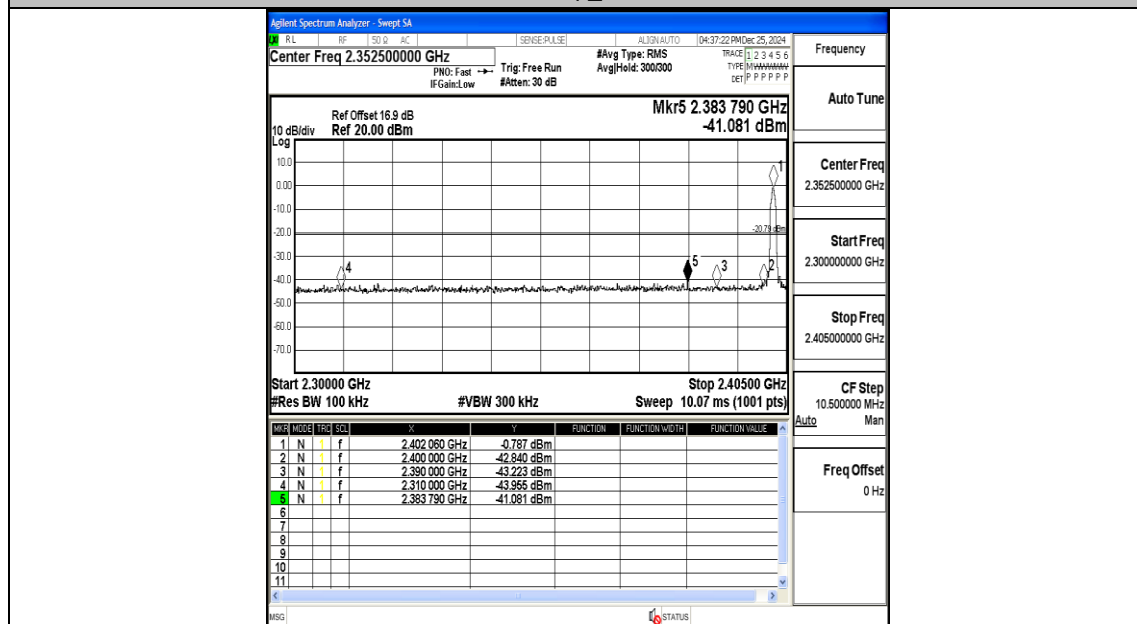




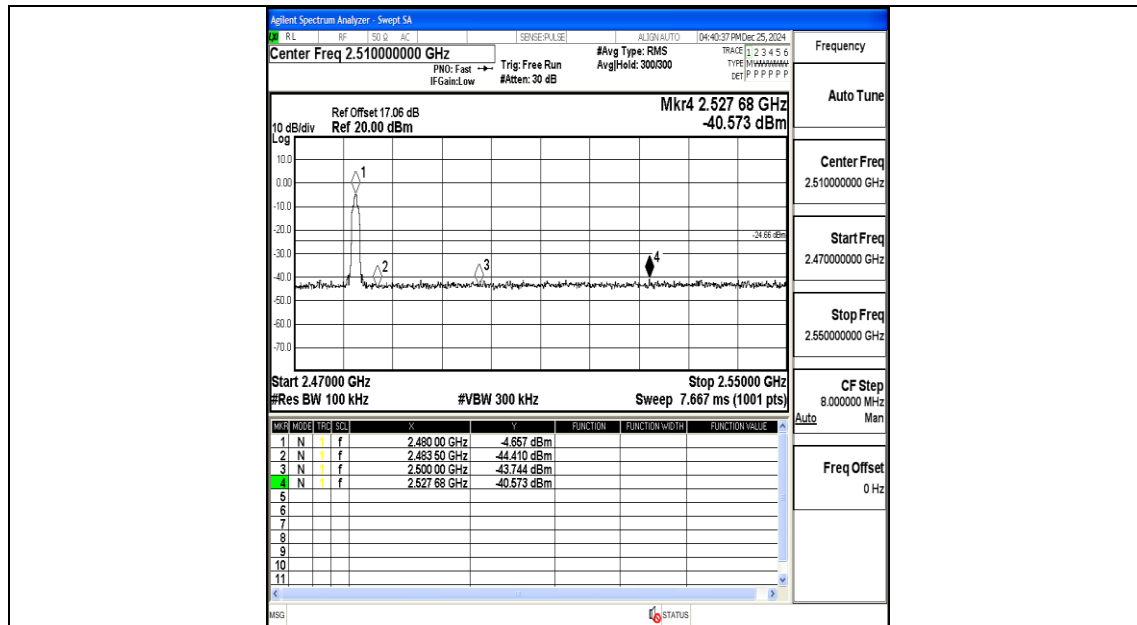
DH5-Ant1-Hop_2402-PASS



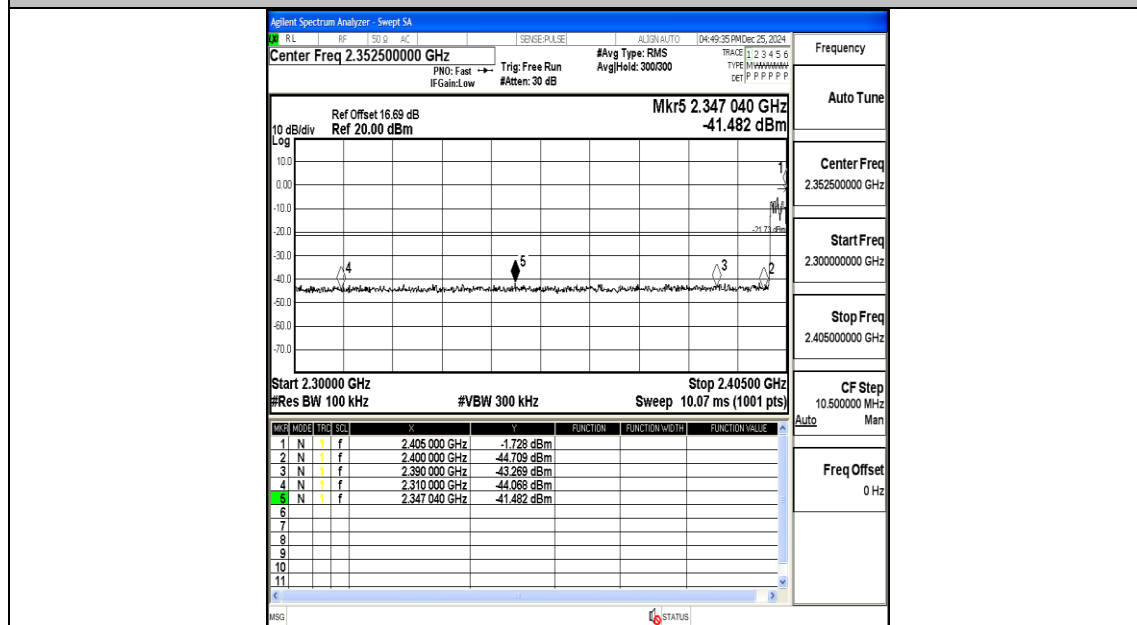
DH5-Ant1-Hop_2480-PASS



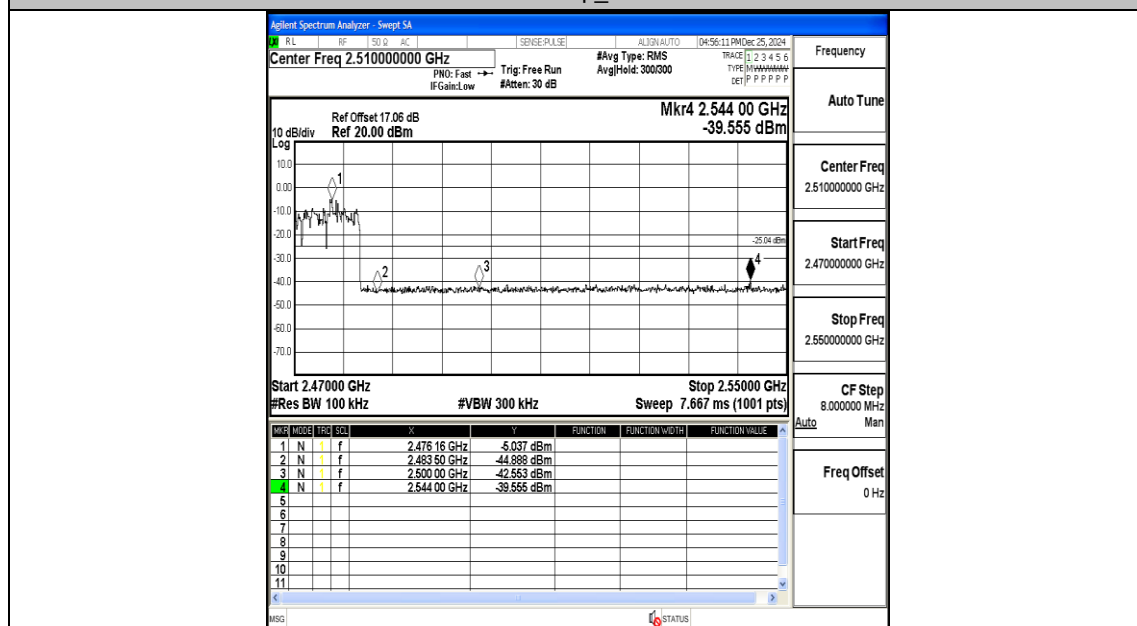
2DH5-Ant1-2402-PASS



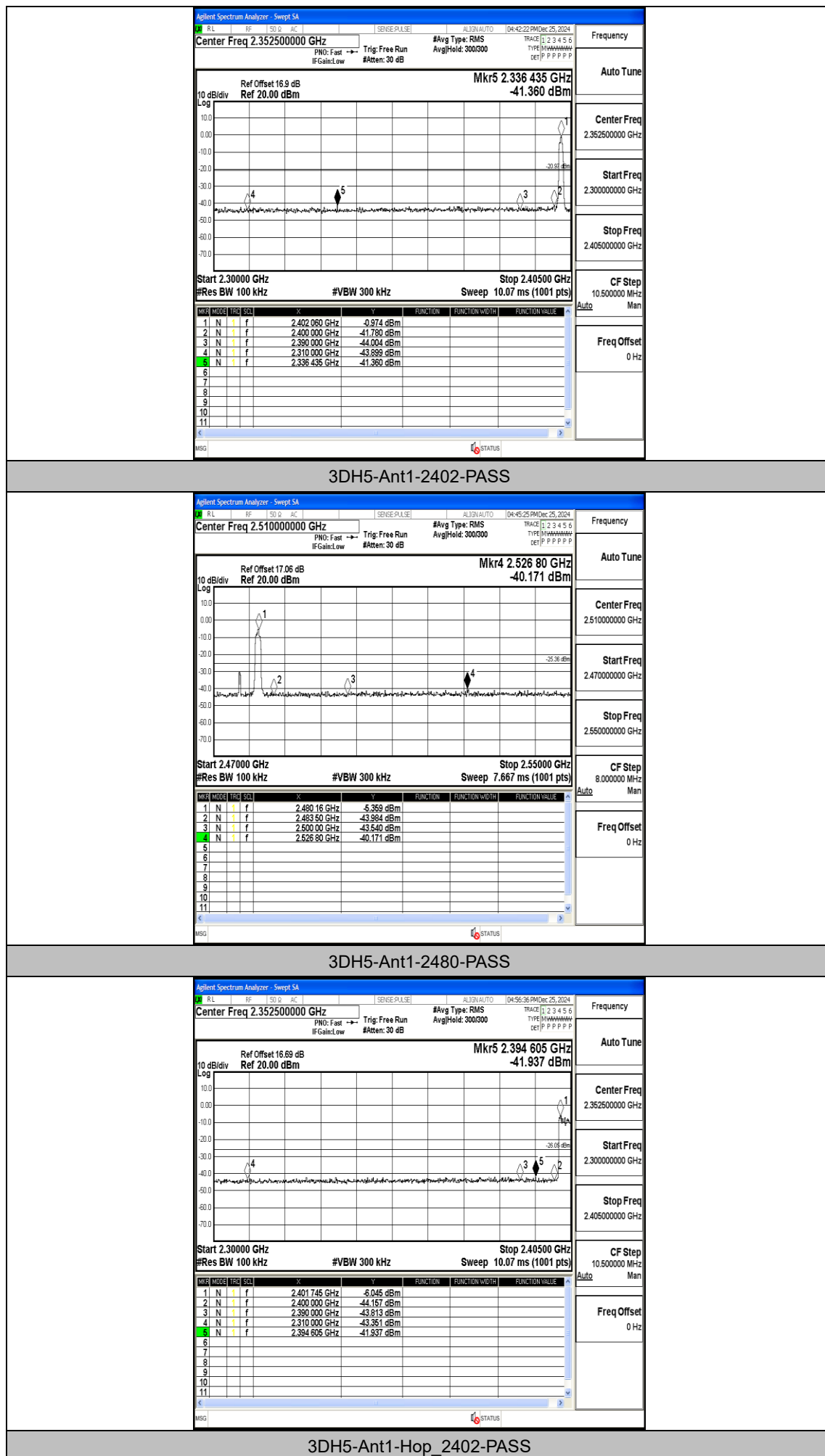
2DH5-Ant1-2480-PASS

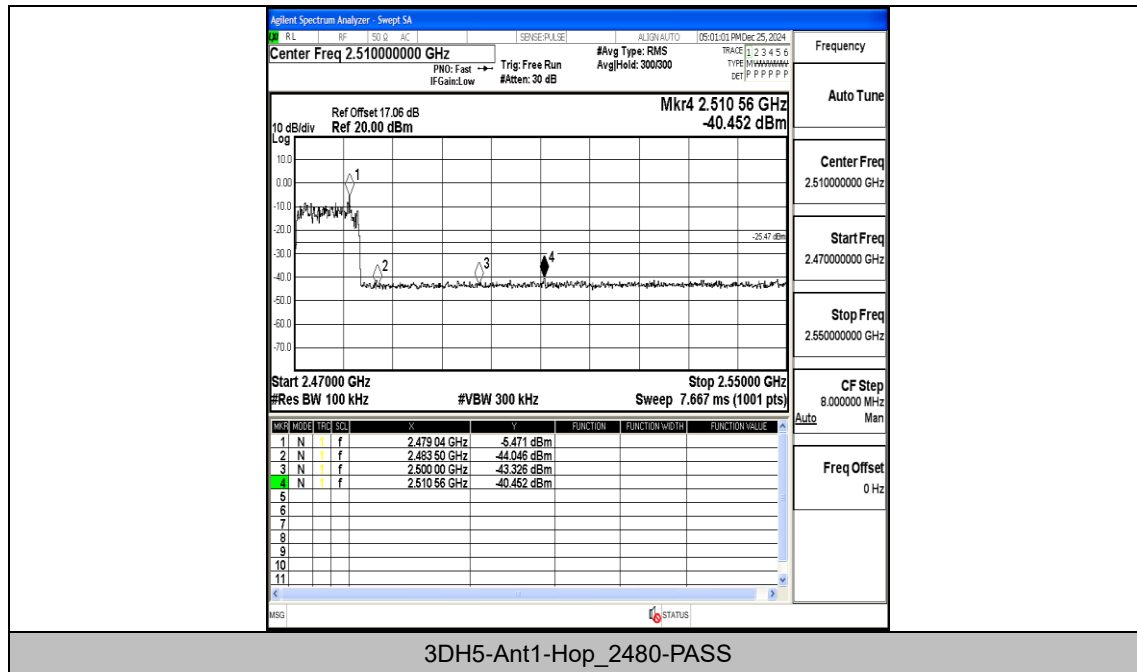


2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS



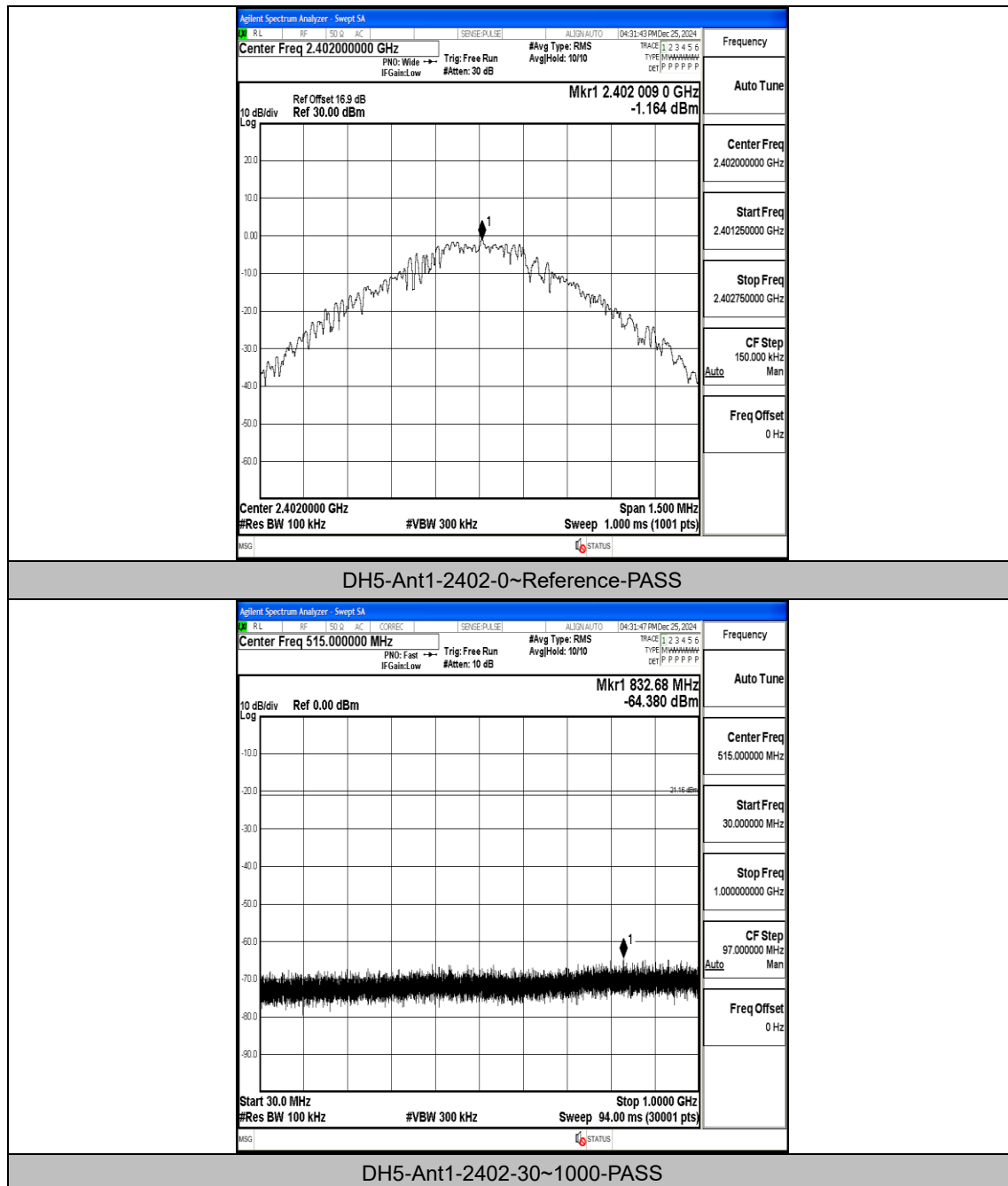


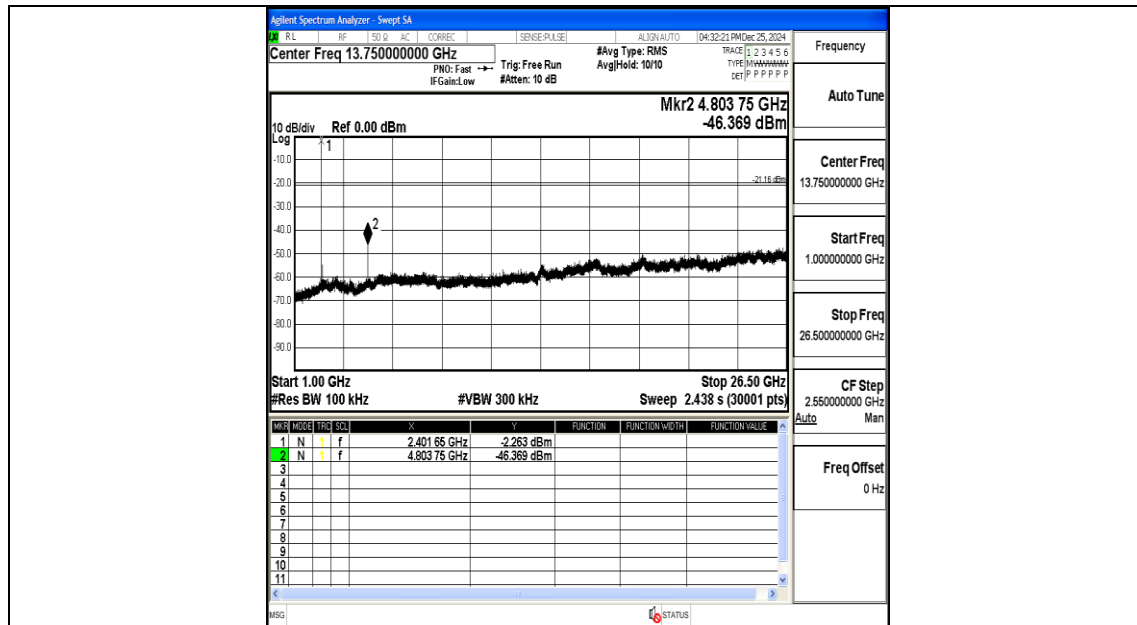
Appendix H: Conducted Spurious Emission

Test Result

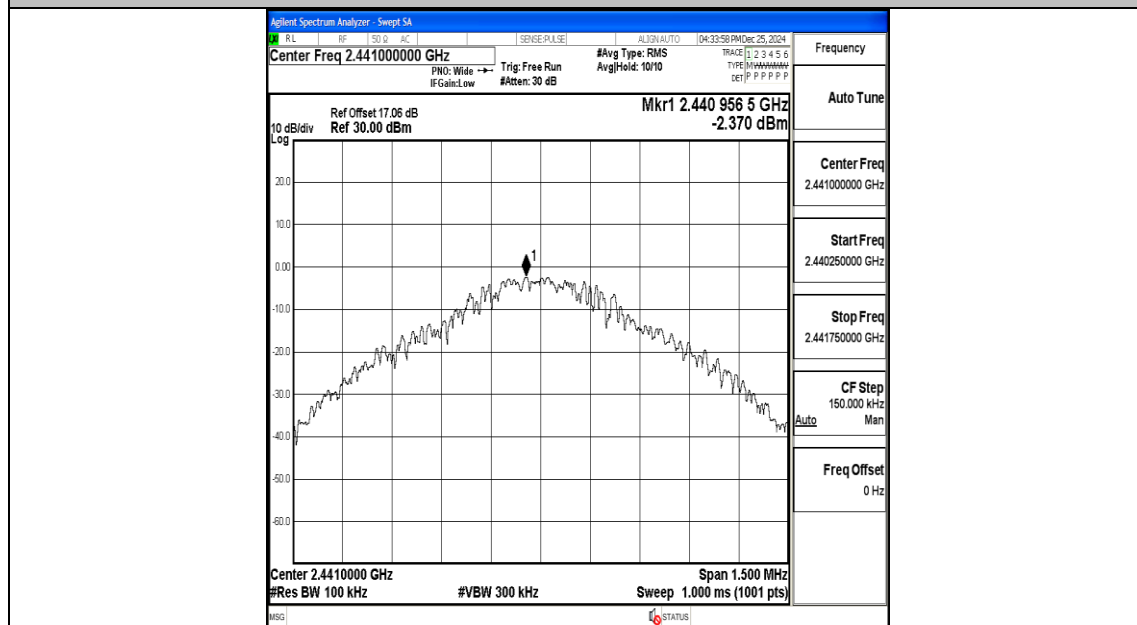
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.16	-1.16	---	PASS
DH5	Ant1	2402	30~1000	-1.16	-64.38	≤-21.16	PASS
DH5	Ant1	2402	1000~26500	-1.16	-46.37	≤-21.16	PASS
DH5	Ant1	2441	0~Reference	-2.37	-2.37	---	PASS
DH5	Ant1	2441	30~1000	-2.37	-65.02	≤-22.37	PASS
DH5	Ant1	2441	1000~26500	-2.37	-46.24	≤-22.37	PASS
DH5	Ant1	2480	0~Reference	-5.24	-5.24	---	PASS
DH5	Ant1	2480	30~1000	-5.24	-64.63	≤-25.24	PASS
DH5	Ant1	2480	1000~26500	-5.24	-46.96	≤-25.24	PASS
2DH5	Ant1	2402	0~Reference	-2.24	-2.24	---	PASS
2DH5	Ant1	2402	30~1000	-2.24	-64.18	≤-22.24	PASS
2DH5	Ant1	2402	1000~26500	-2.24	-46.67	≤-22.24	PASS
2DH5	Ant1	2441	0~Reference	-4.63	-4.63	---	PASS
2DH5	Ant1	2441	30~1000	-4.63	-64.81	≤-24.63	PASS
2DH5	Ant1	2441	1000~26500	-4.63	-47.27	≤-24.63	PASS
2DH5	Ant1	2480	0~Reference	-6.17	-6.17	---	PASS
2DH5	Ant1	2480	30~1000	-6.17	-64.4	≤-26.17	PASS
2DH5	Ant1	2480	1000~26500	-6.17	-47.69	≤-26.17	PASS
3DH5	Ant1	2402	0~Reference	-2.37	-2.37	---	PASS
3DH5	Ant1	2402	30~1000	-2.37	-65.17	≤-22.37	PASS
3DH5	Ant1	2402	1000~26500	-2.37	-47.6	≤-22.37	PASS
3DH5	Ant1	2441	0~Reference	-4.32	-4.32	---	PASS
3DH5	Ant1	2441	30~1000	-4.32	-64.47	≤-24.32	PASS
3DH5	Ant1	2441	1000~26500	-4.32	-47.66	≤-24.32	PASS
3DH5	Ant1	2480	0~Reference	-4.79	-4.79	---	PASS
3DH5	Ant1	2480	30~1000	-4.79	-64.78	≤-24.79	PASS
3DH5	Ant1	2480	1000~26500	-4.79	-46.71	≤-24.79	PASS

Test Graphs

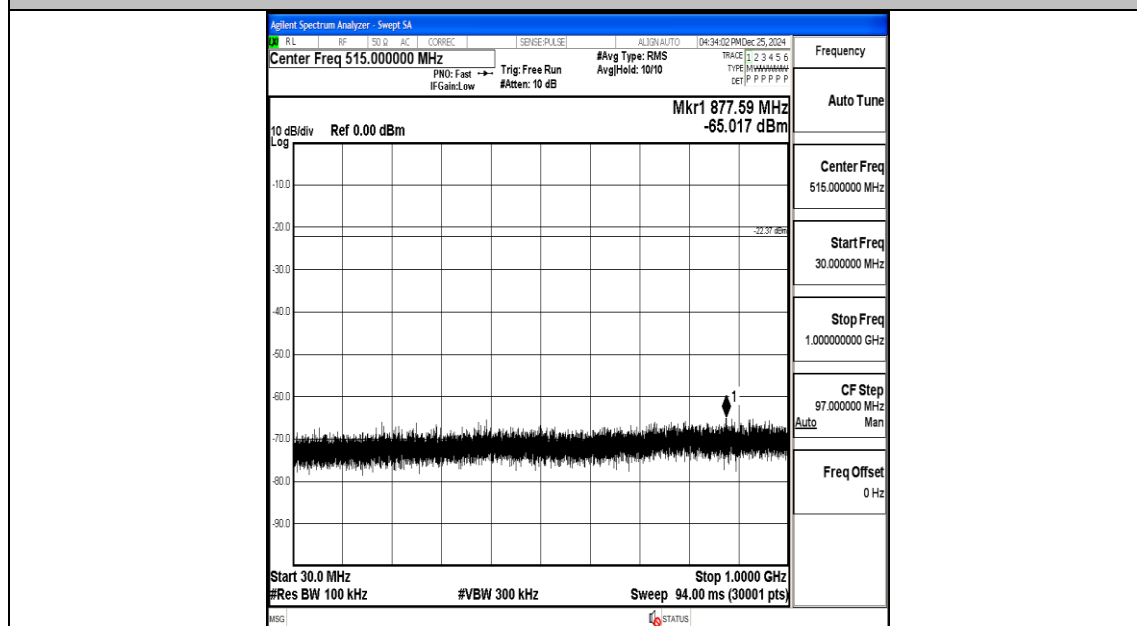




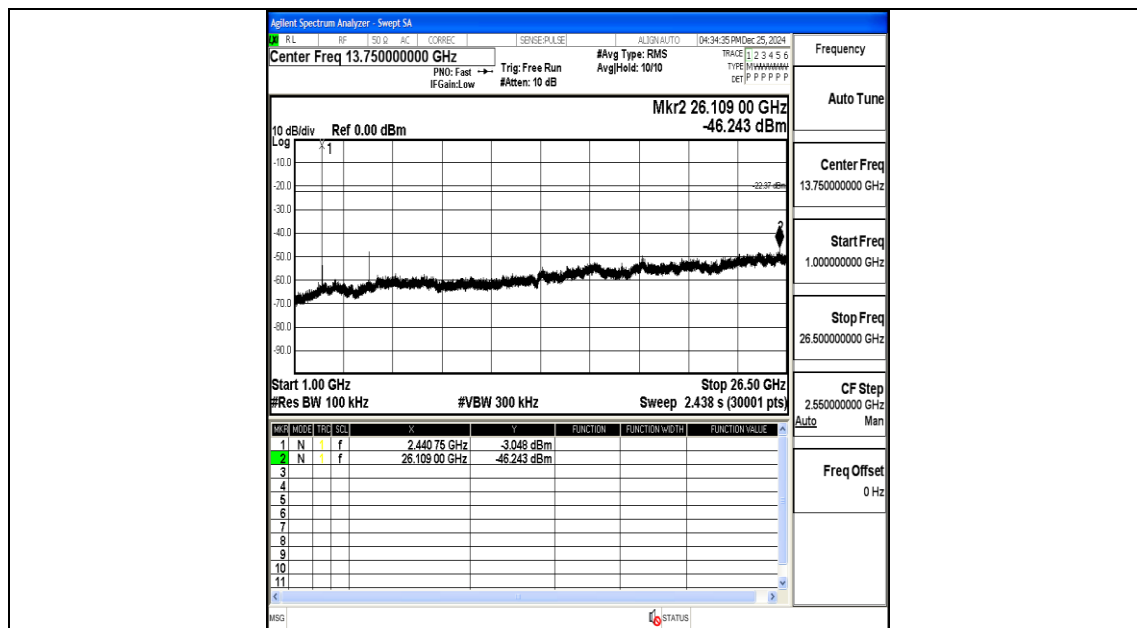
DH5-Ant1-2402-1000~26500-PASS



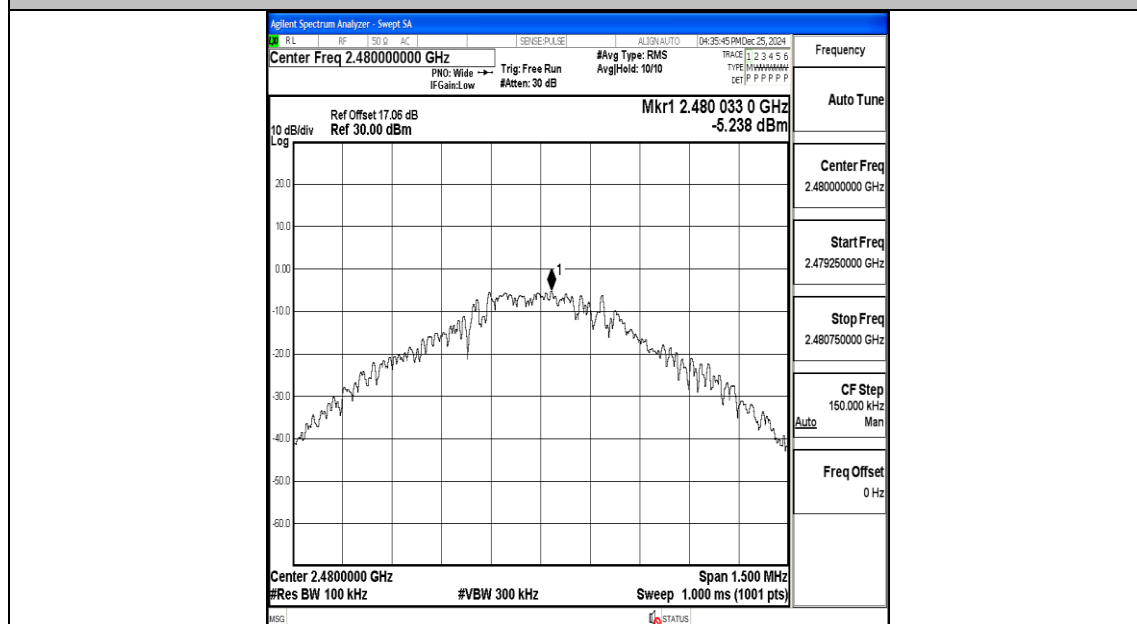
DH5-Ant1-2441-0~Reference-PASS



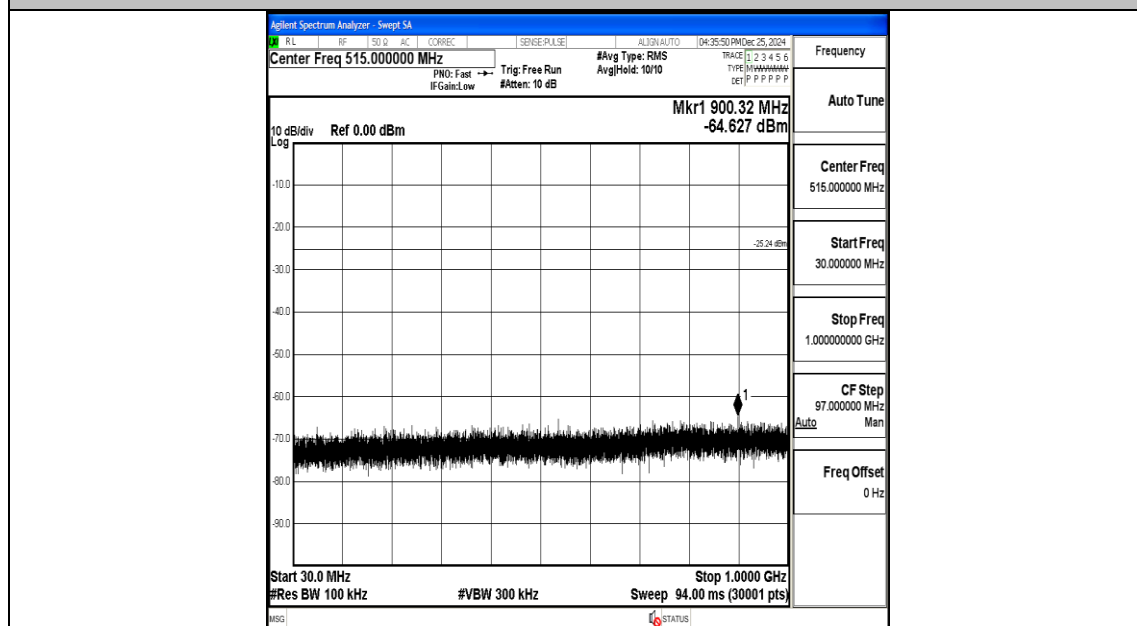
DH5-Ant1-2441-30~1000-PASS



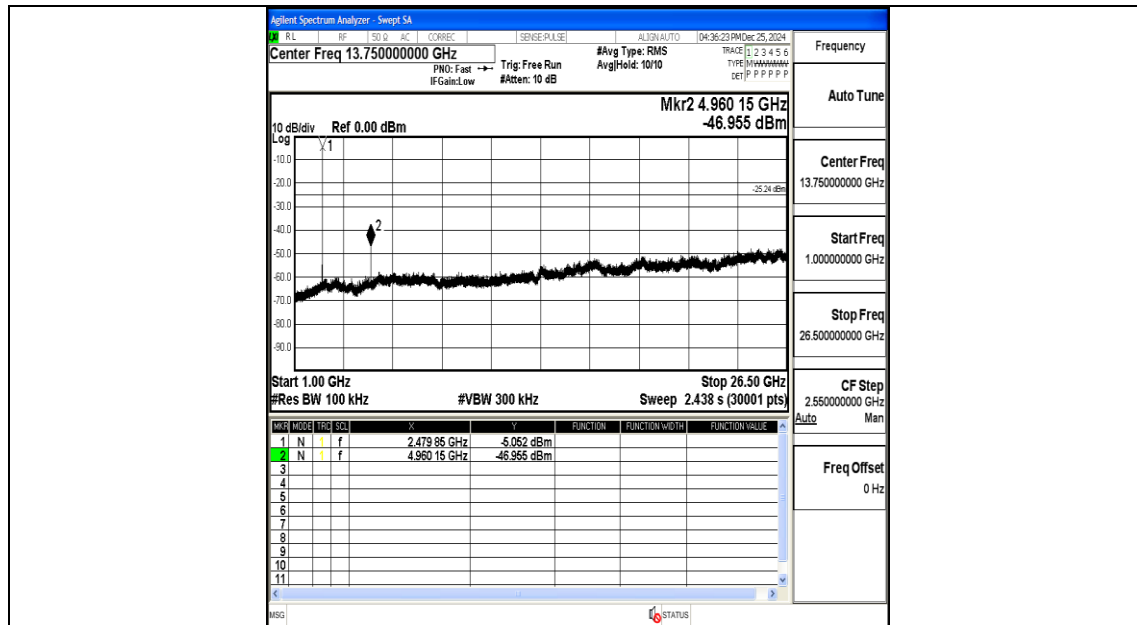
DH5-Ant1-2441-1000~26500-PASS



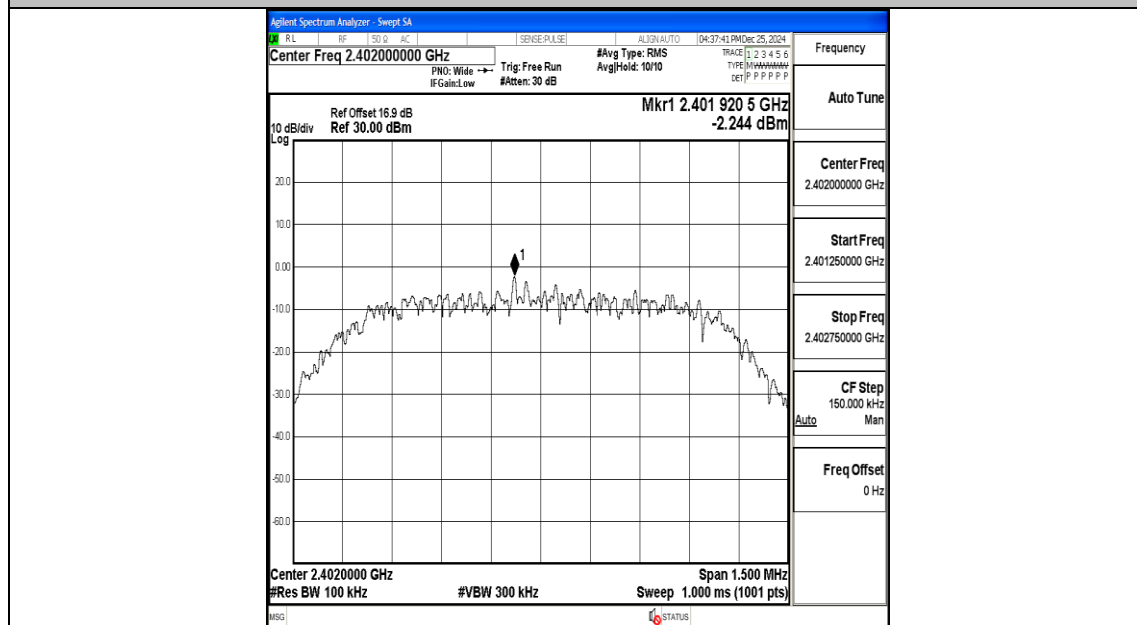
DH5-Ant1-2480-0~Reference-PASS



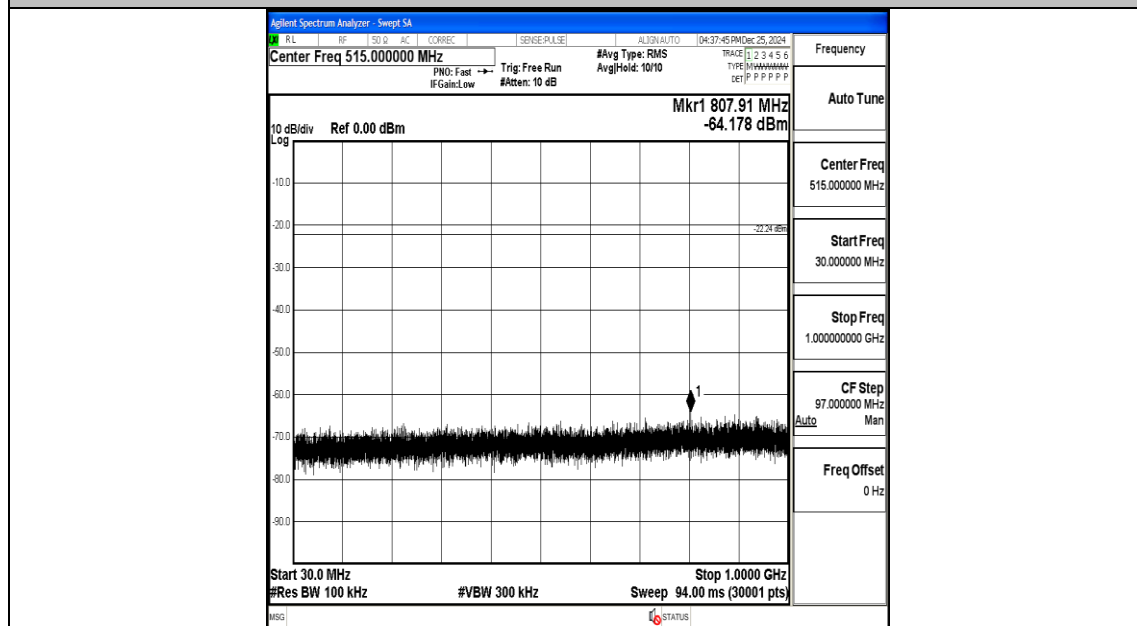
DH5-Ant1-2480-30~1000-PASS



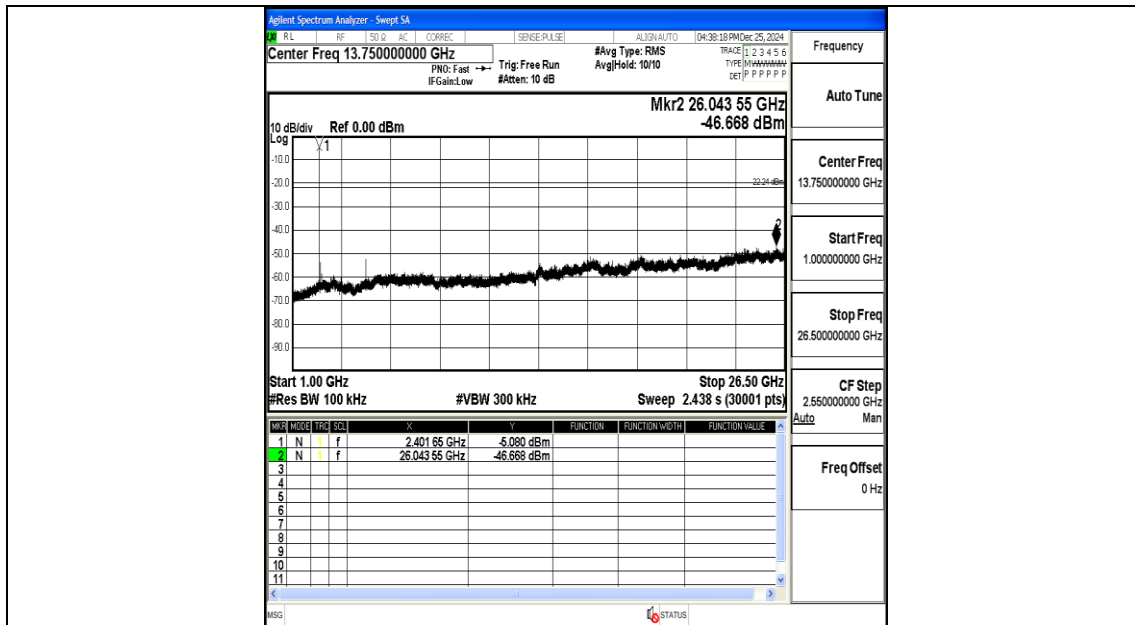
DH5-Ant1-2480-1000~26500-PASS



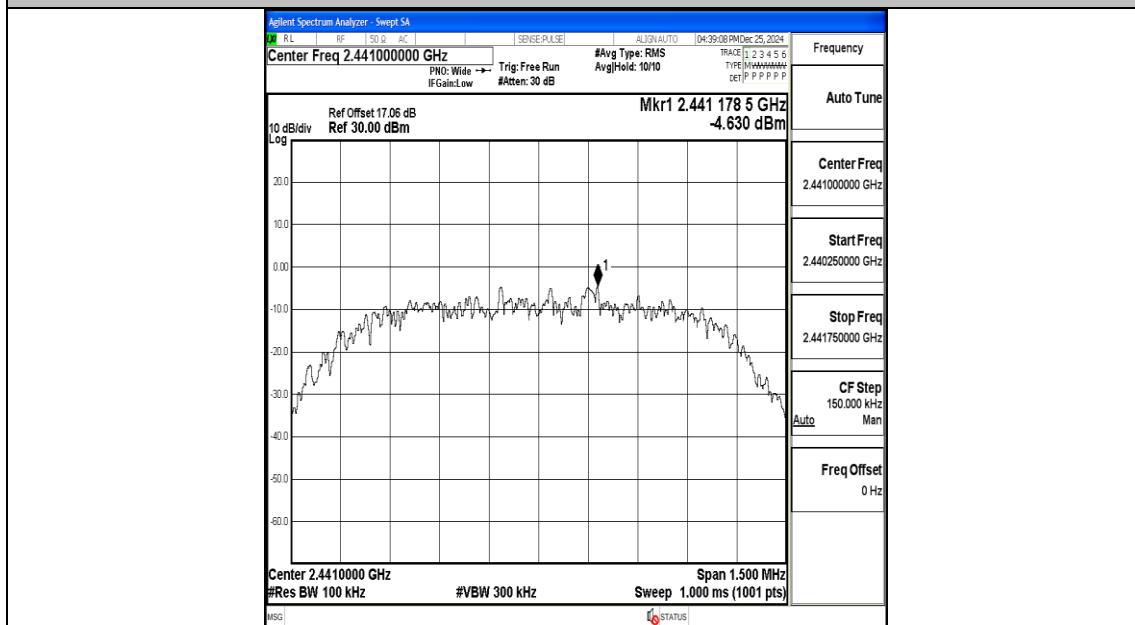
2DH5-Ant1-2402-0~Reference-PASS



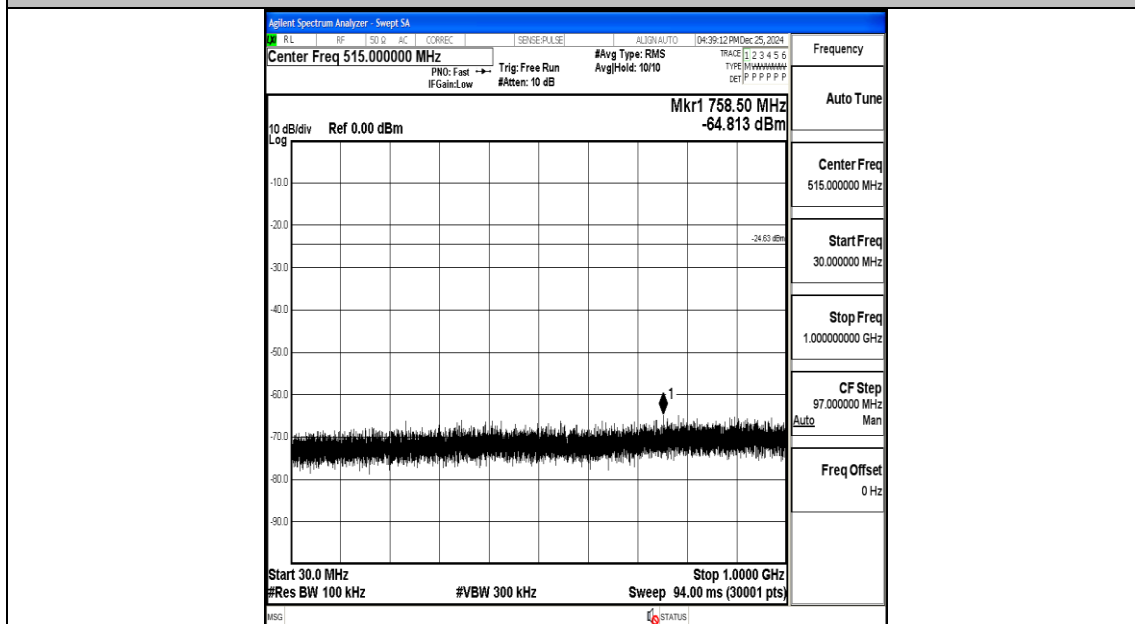
2DH5-Ant1-2402-30~1000-PASS



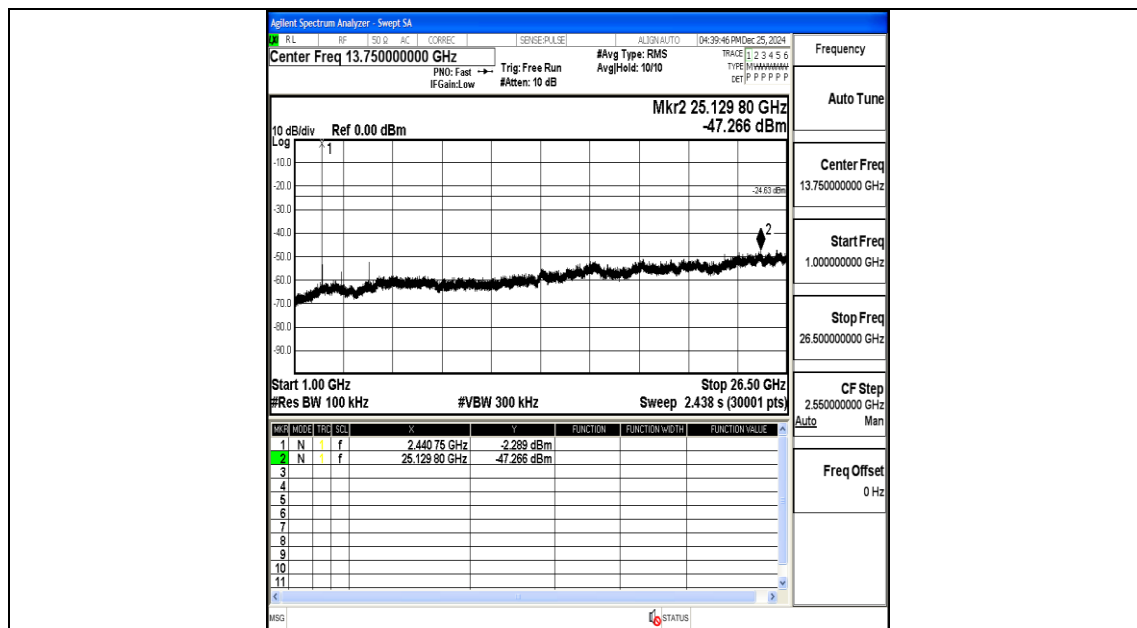
2DH5-Ant1-2402-1000~26500-PASS



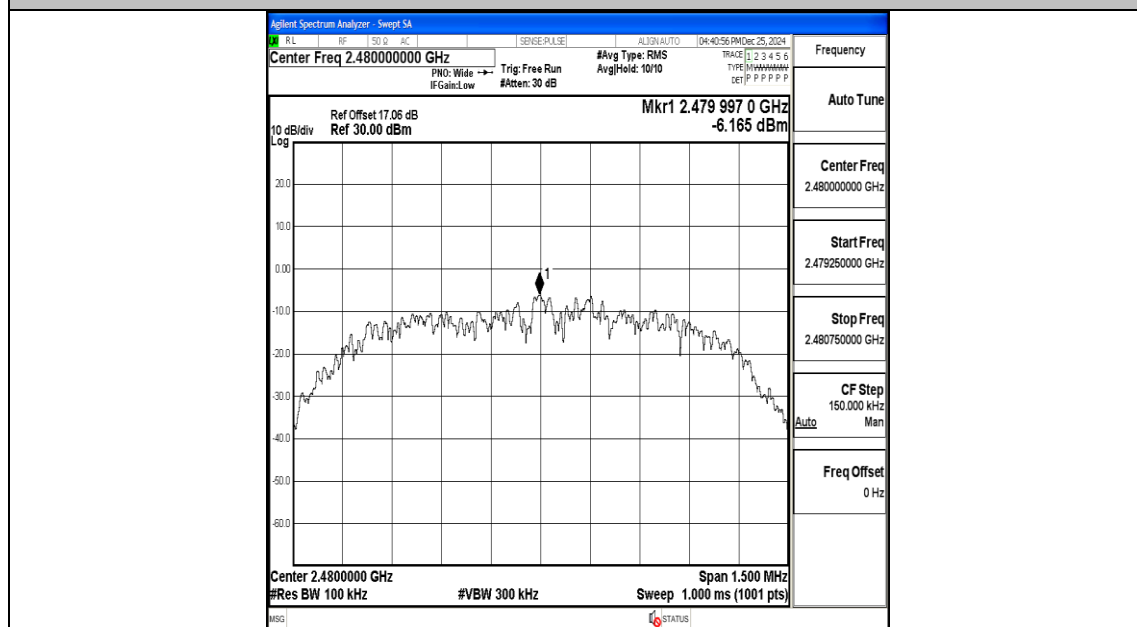
2DH5-Ant1-2441-0~Reference-PASS



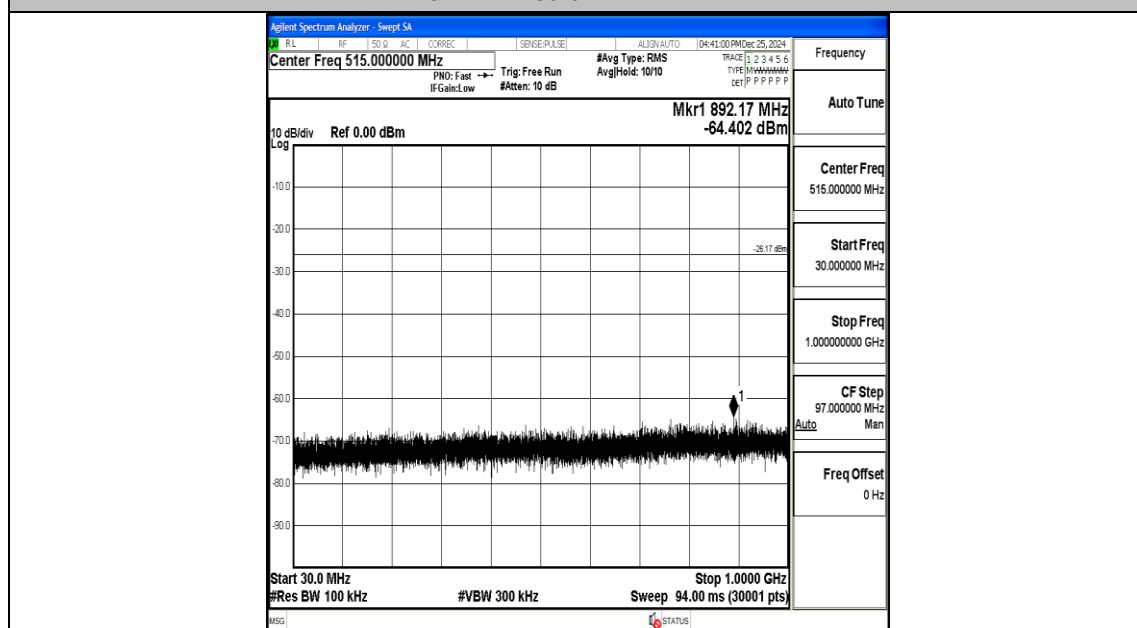
2DH5-Ant1-2441-30~1000-PASS



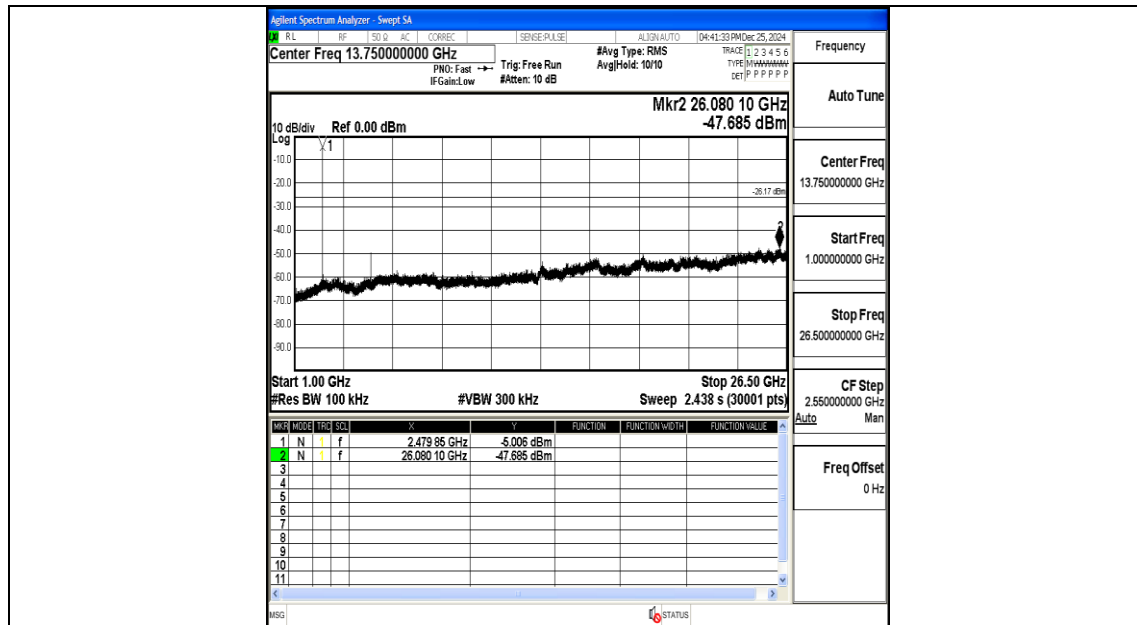
2DH5-Ant1-2441-1000~26500-PASS



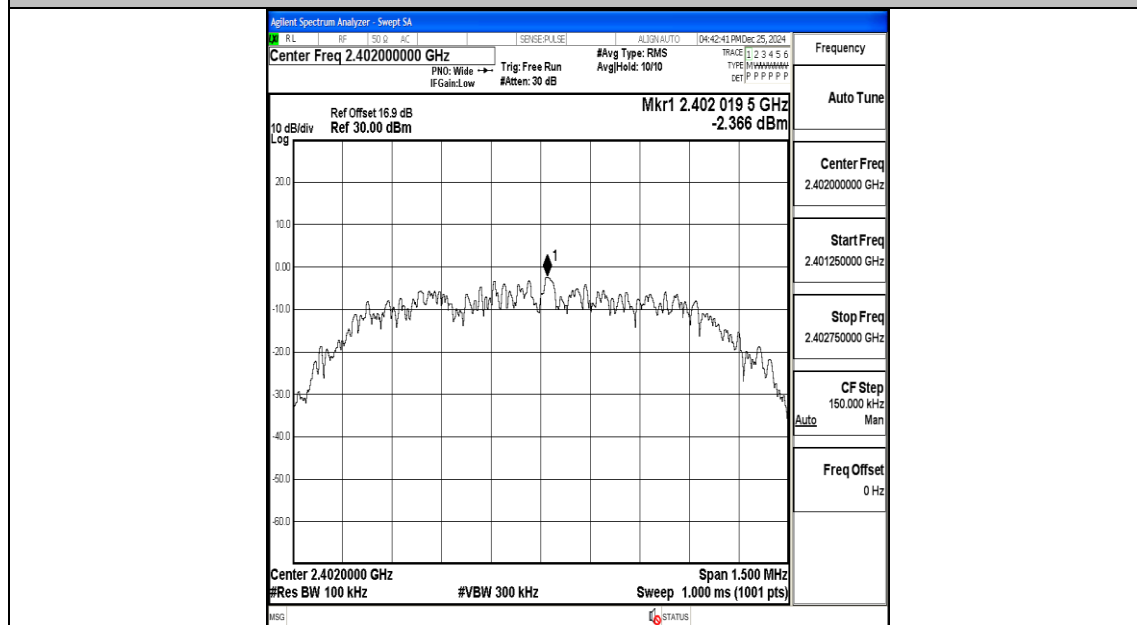
2DH5-Ant1-2480-0~Reference-PASS



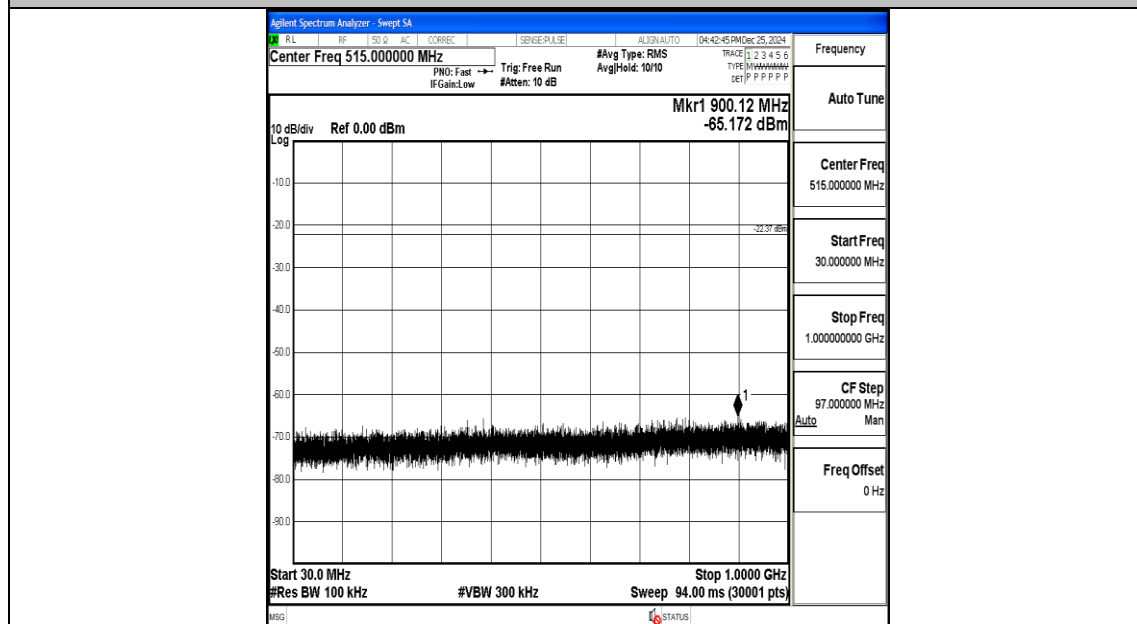
2DH5-Ant1-2480-30~1000-PASS



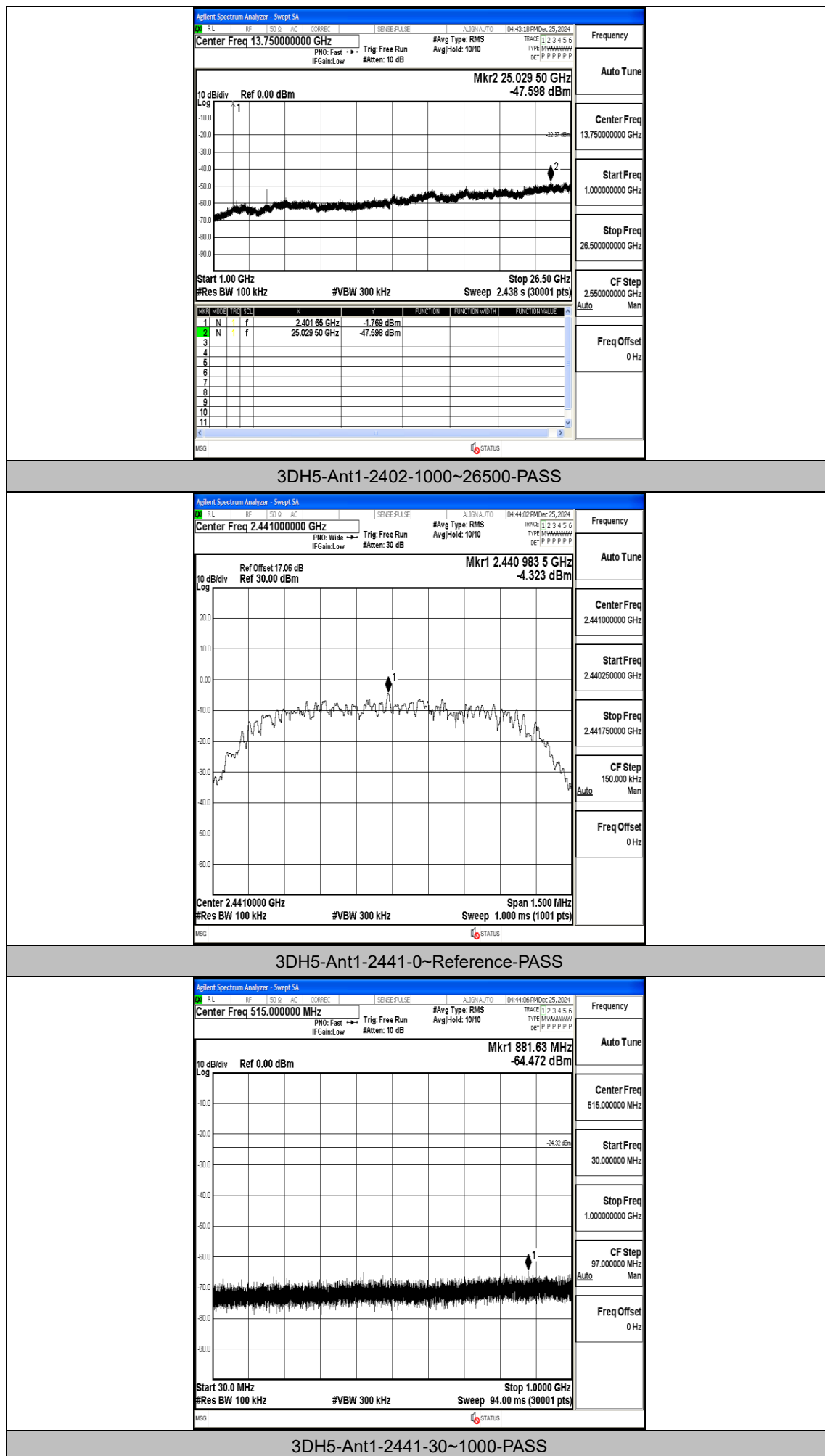
2DH5-Ant1-2480-1000~26500-PASS

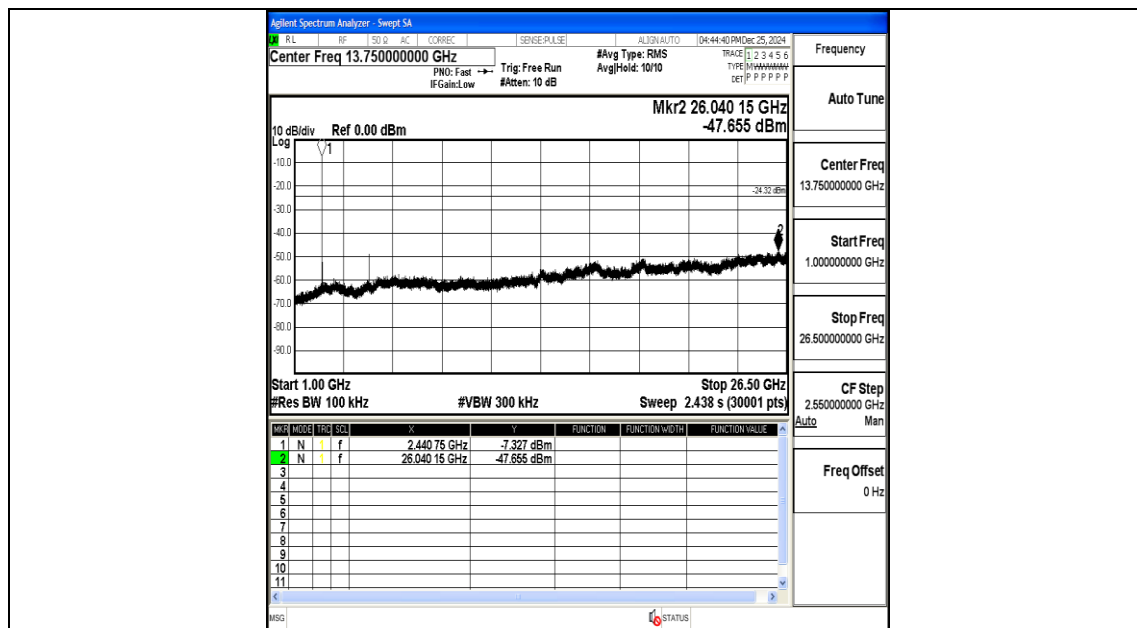


3DH5-Ant1-2402-0~Reference-PASS

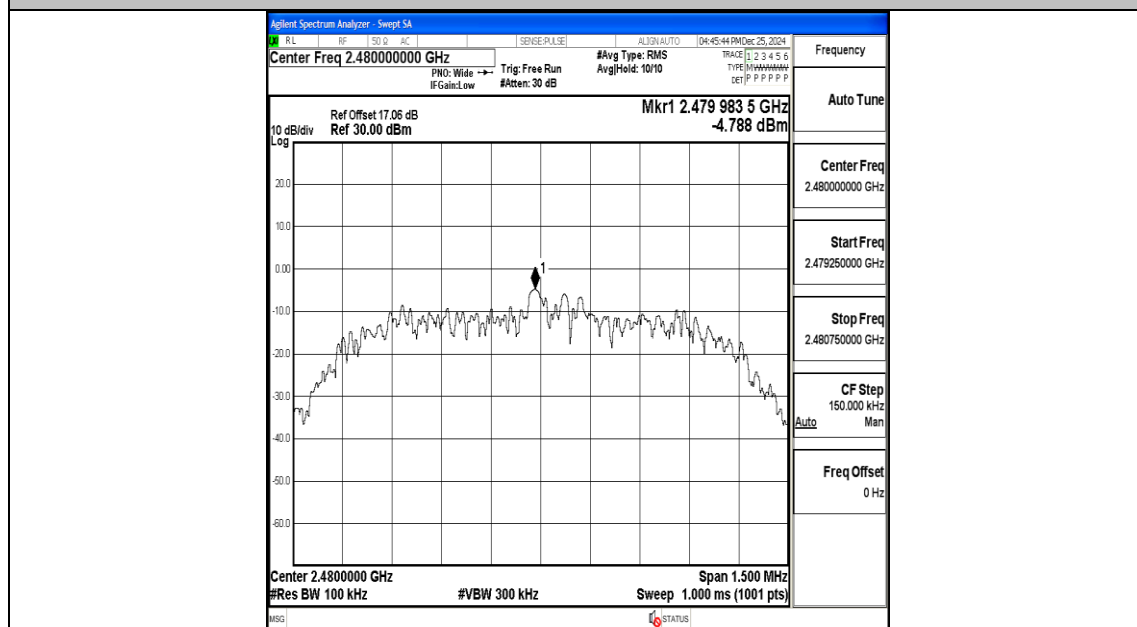


3DH5-Ant1-2402-30~1000-PASS

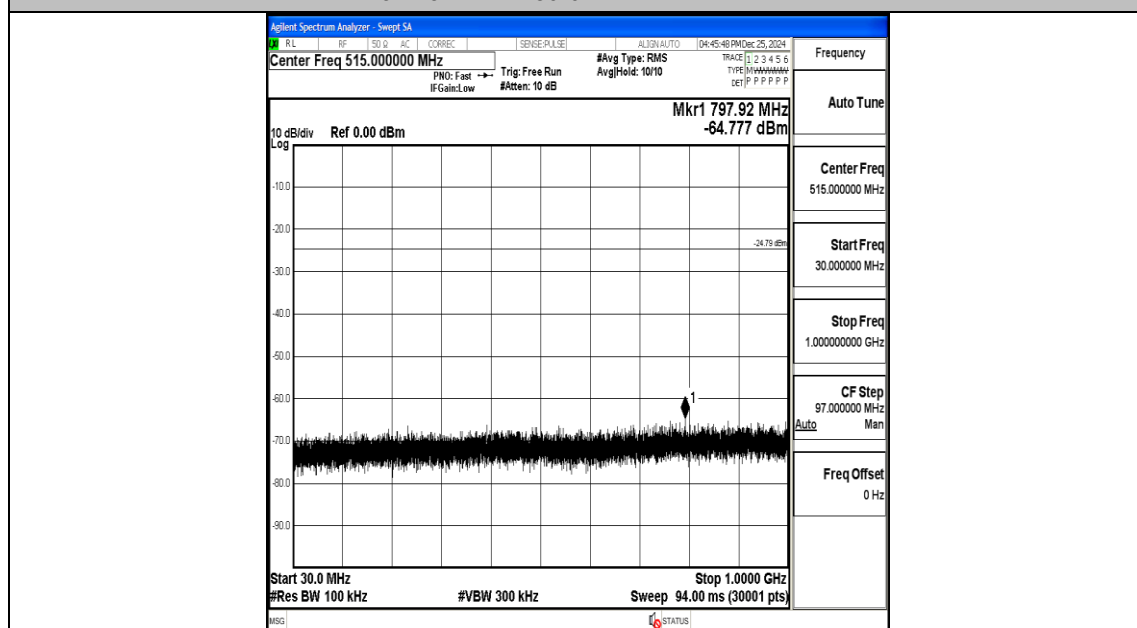




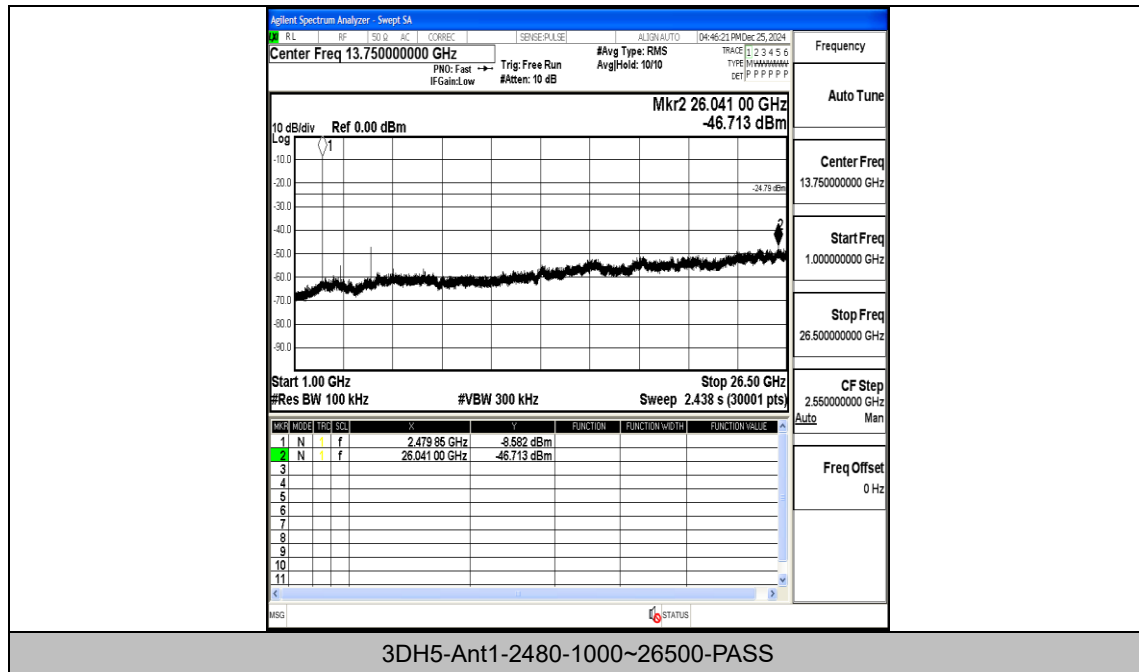
3DH5-Ant1-2441-1000~26500-PASS



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	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.90	3.74	77.54	1.10
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.91	3.75	77.60	1.10
2DH5	Ant1	2441	2.92	3.75	77.87	1.09
2DH5	Ant1	2480	2.91	3.75	77.60	1.10
3DH5	Ant1	2402	2.92	3.76	77.66	1.10
3DH5	Ant1	2441	2.92	3.75	77.87	1.09
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

Test Graphs

