

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

Product Name: Portable Bluetooth Speaker

Trade Mark: AT&T

Test Model: 00016, 00016/4448T (Oracle # for 00016)

FCC ID: YJW-00016

Environmental Conditions

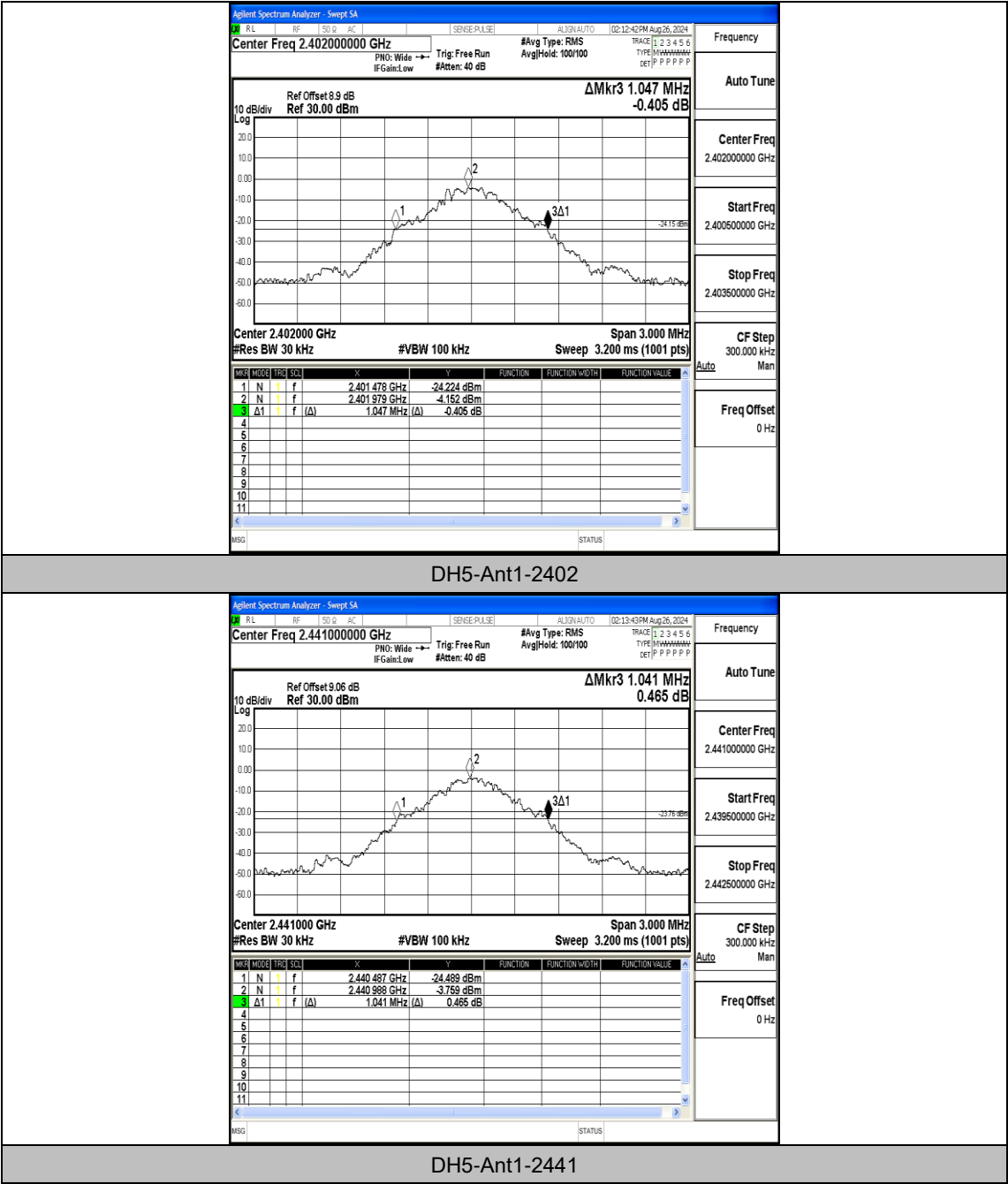
Temperature:	23.8℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Hugo Chen
NOTE	N/A

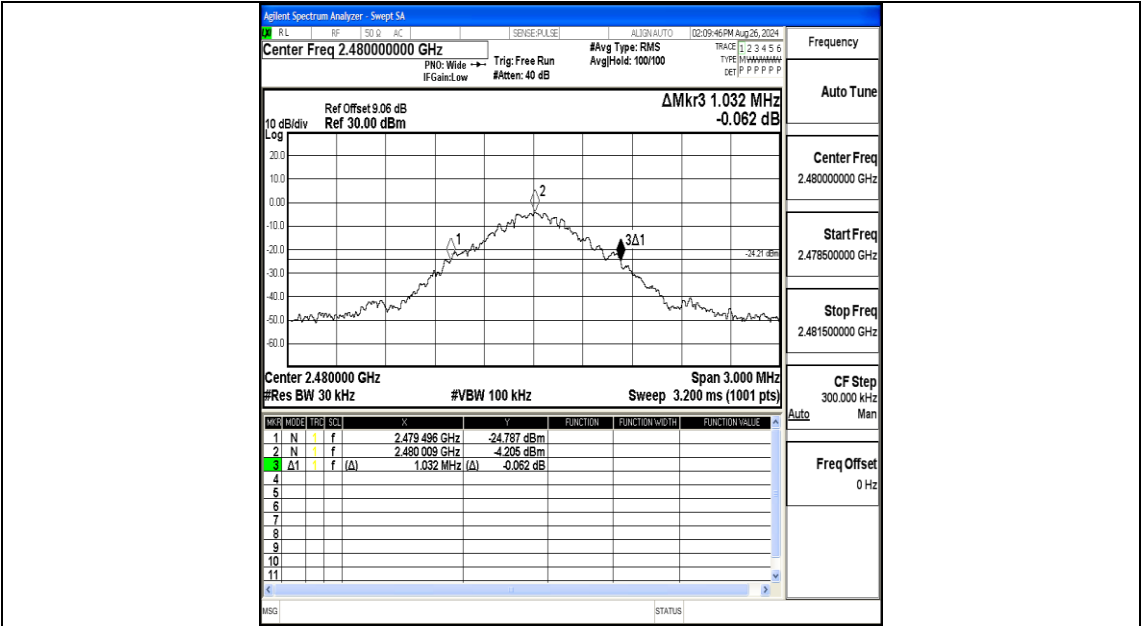
Appendix A: 20dB Emission Bandwidth

Test Result

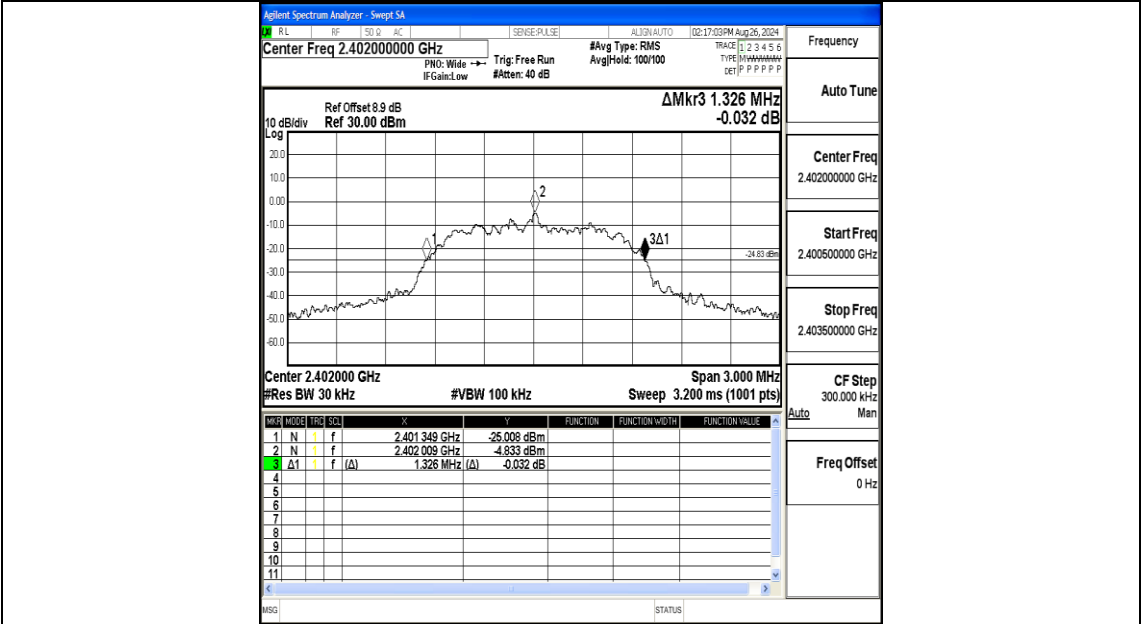
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.047	2401.478	2402.525	---	---
DH5	Ant1	2441	1.041	2440.487	2441.528	---	---
DH5	Ant1	2480	1.032	2479.496	2480.528	---	---
2DH5	Ant1	2402	1.326	2401.349	2402.675	---	---
2DH5	Ant1	2441	1.329	2440.343	2441.672	---	---
2DH5	Ant1	2480	1.356	2479.334	2480.690	---	---

Test Graphs

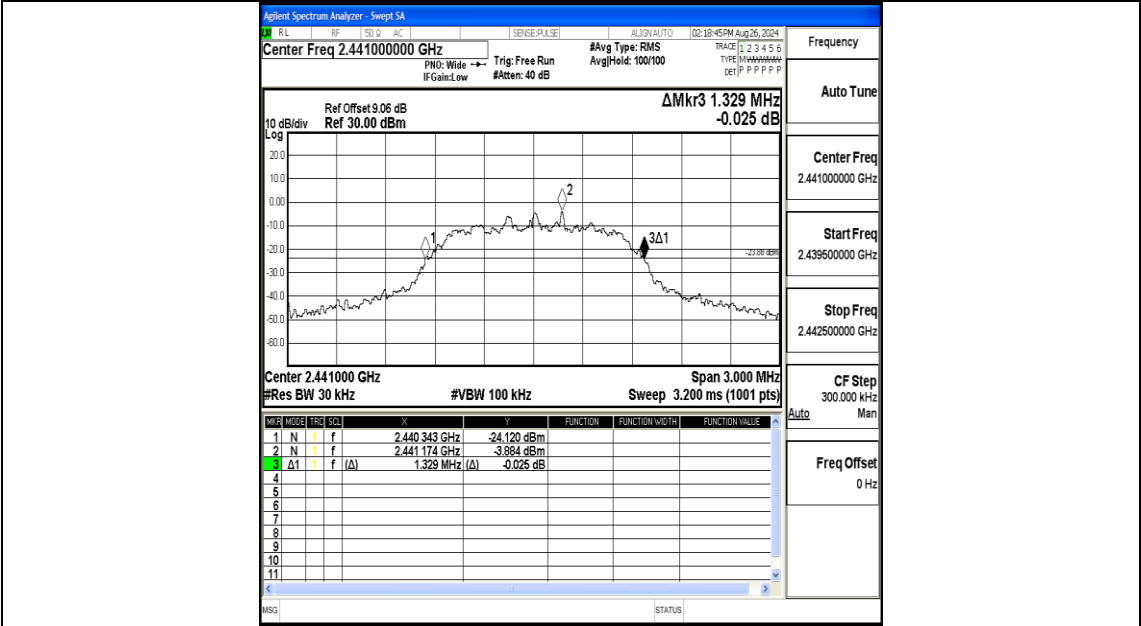




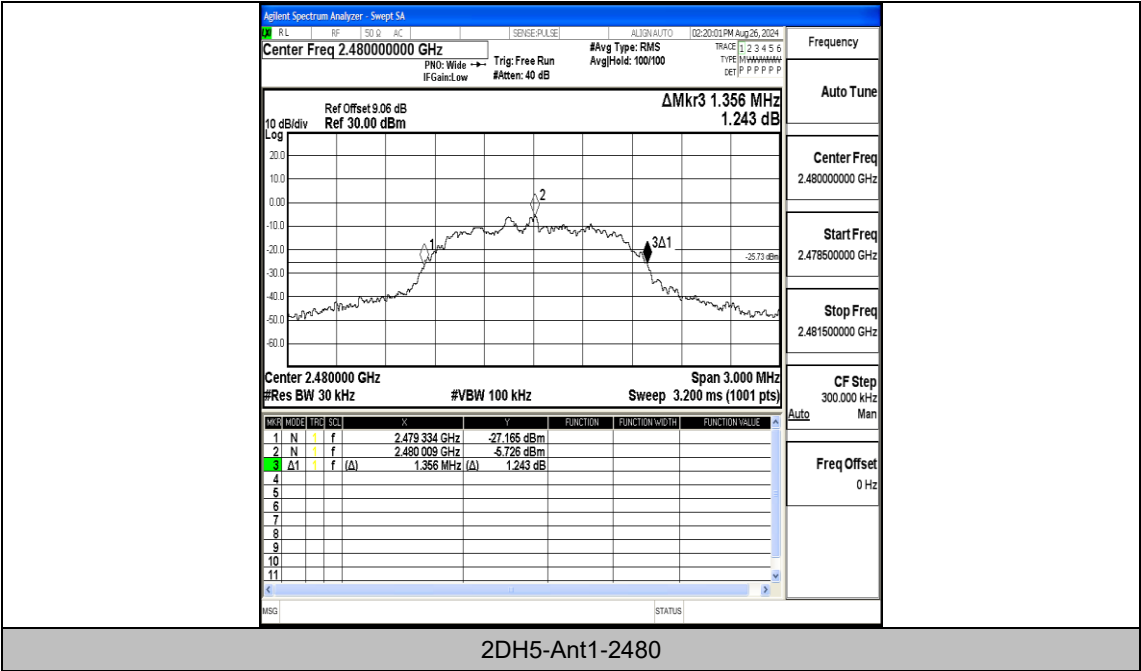
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

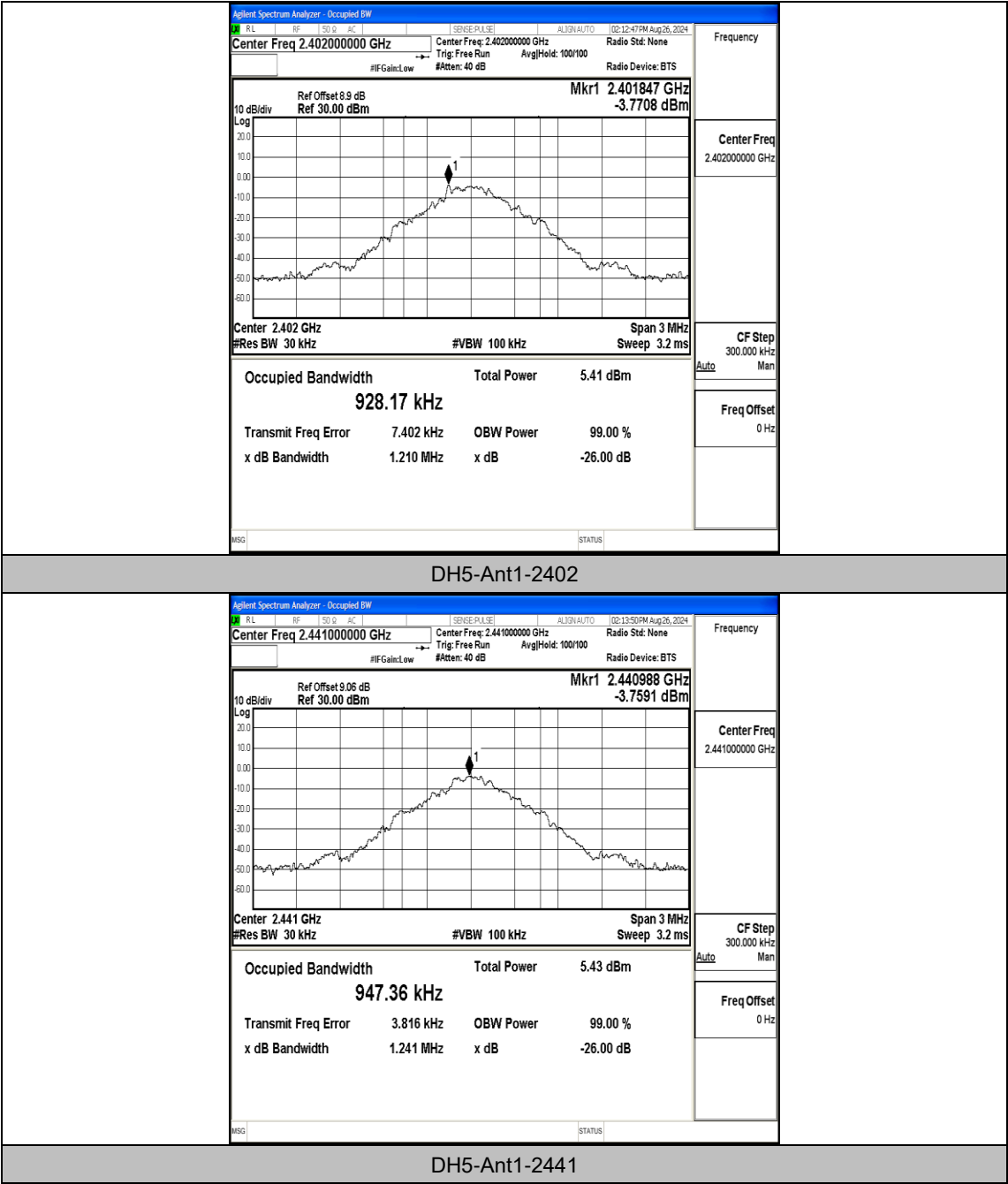


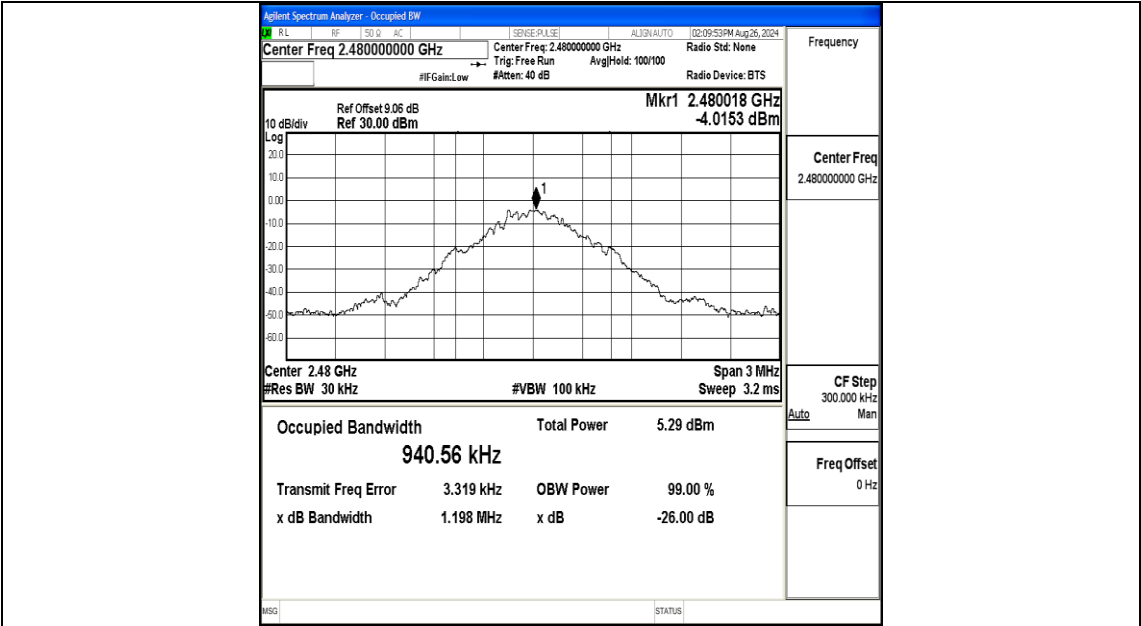
Appendix B: Occupied Channel Bandwidth

Test Result

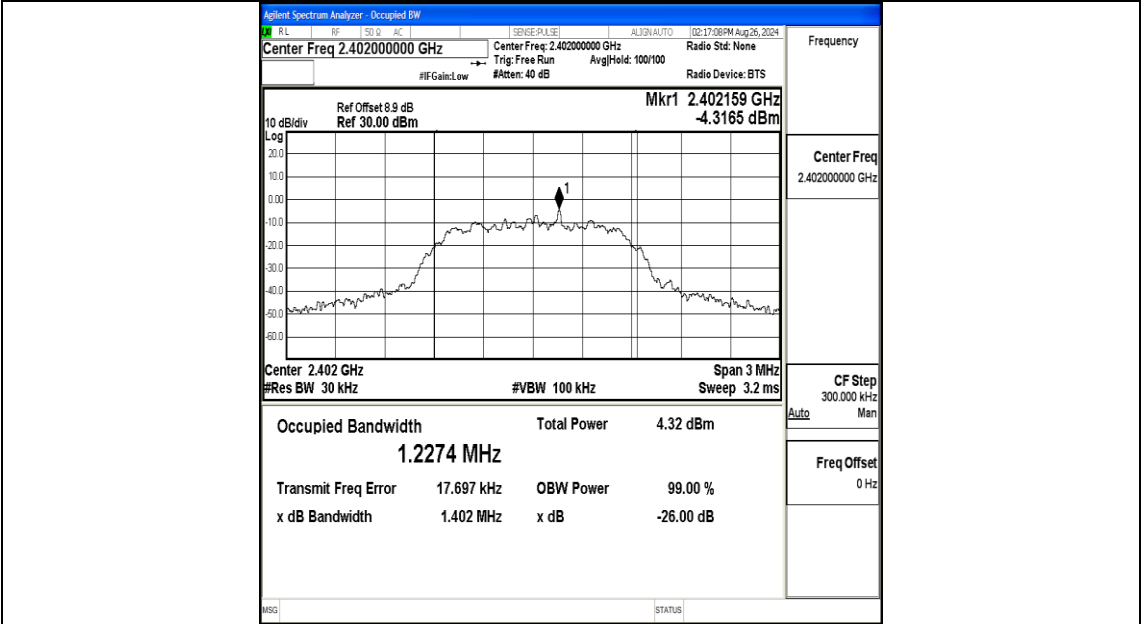
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.92817	2401.5433	2402.4715	---	---
DH5	Ant1	2441	0.94736	2440.5301	2441.4775	---	---
DH5	Ant1	2480	0.94056	2479.5330	2480.4736	---	---
2DH5	Ant1	2402	1.2274	2401.4040	2402.6314	---	---
2DH5	Ant1	2441	1.2147	2440.4114	2441.6261	---	---
2DH5	Ant1	2480	1.2061	2479.4116	2480.6177	---	---

Test Graphs

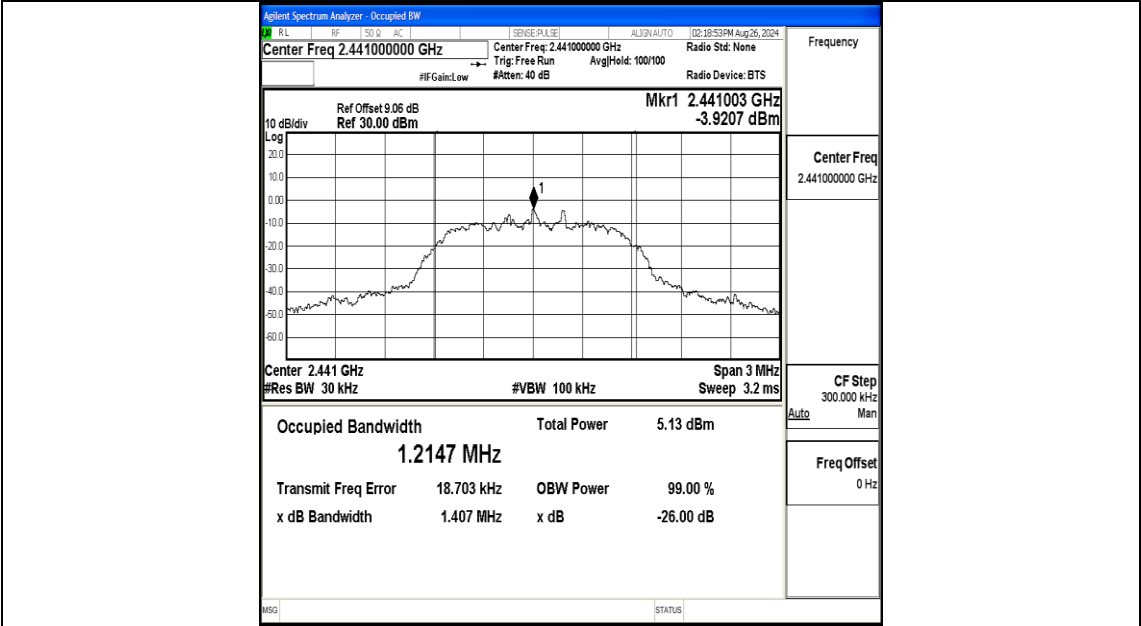




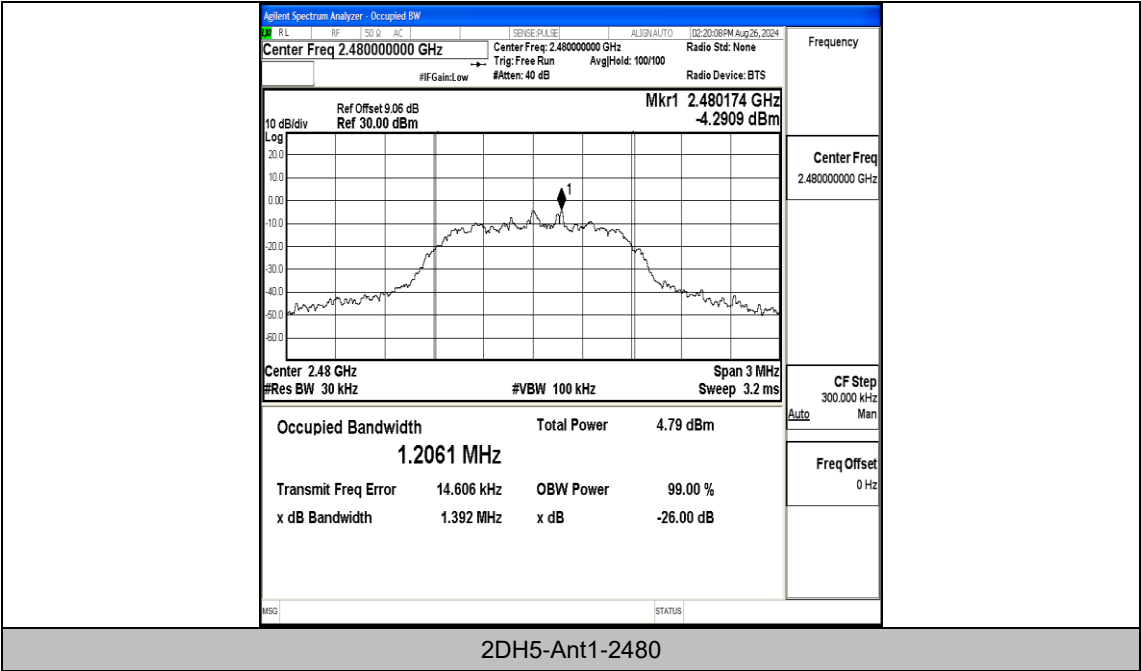
DH5-Ant1-2480



2DH5-Ant1-2402



2DH5-Ant1-2441

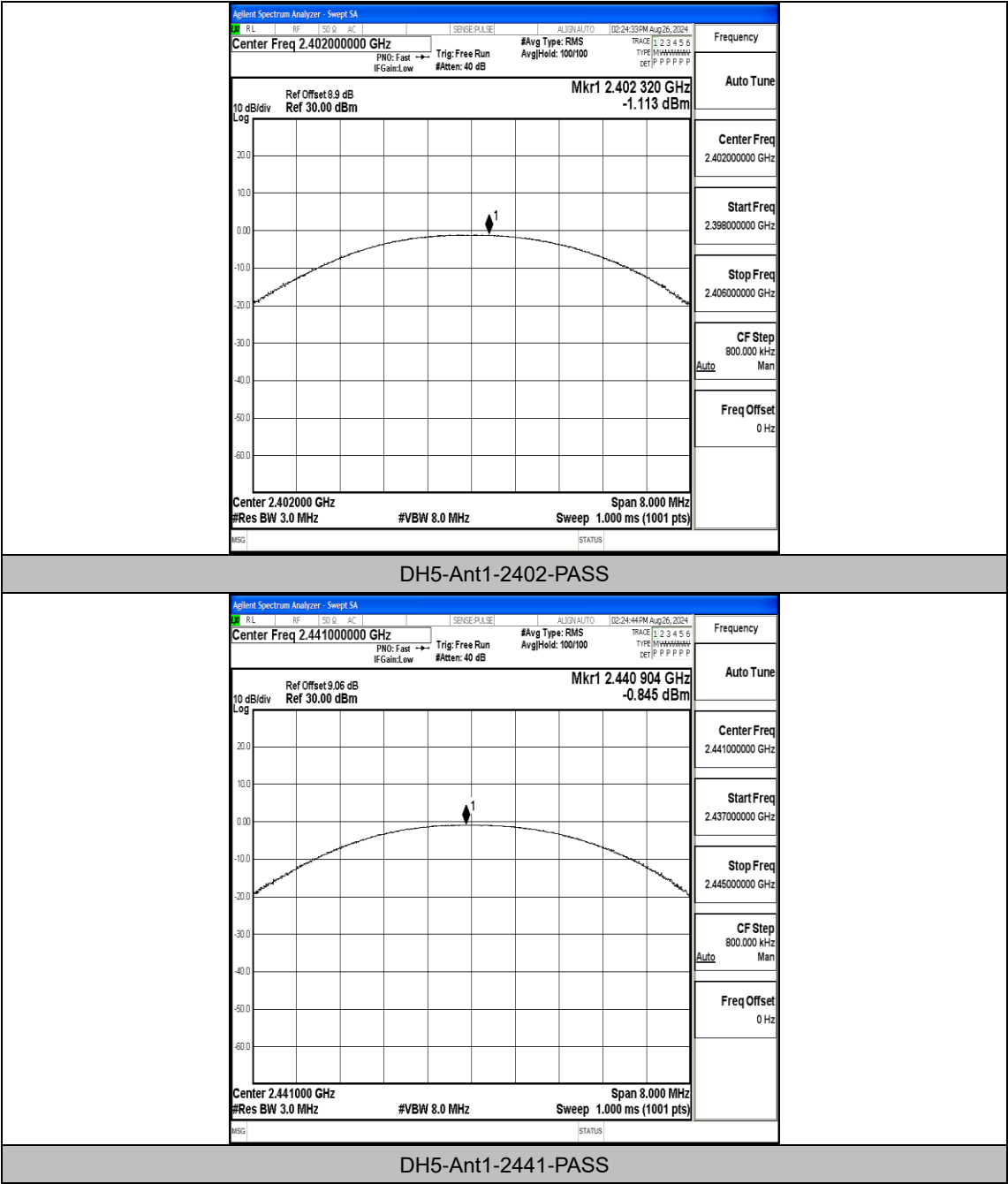


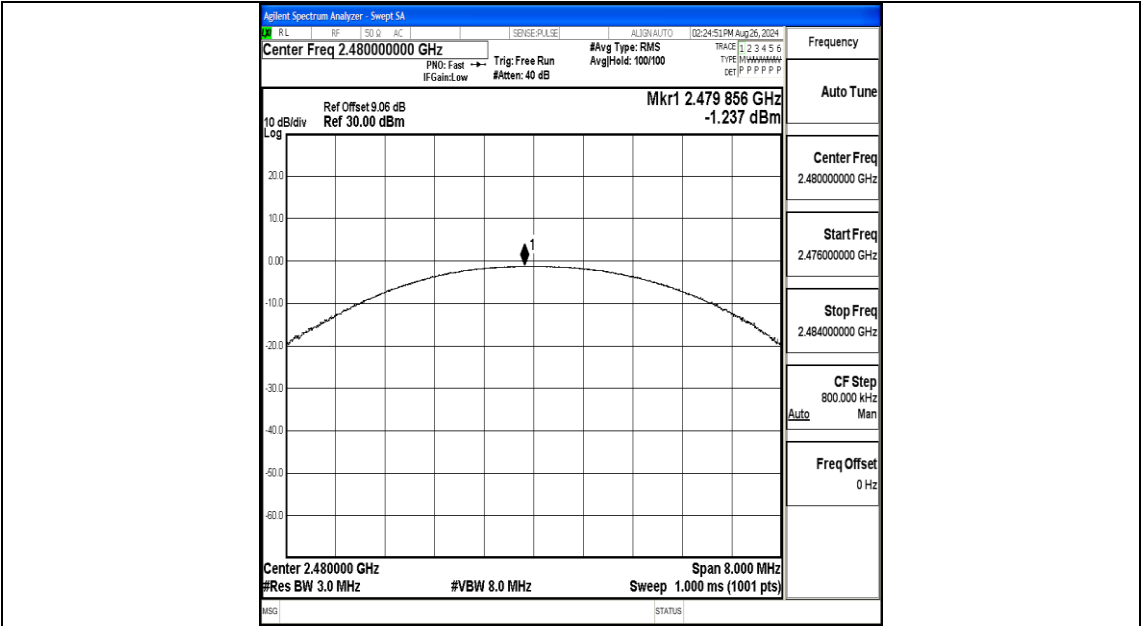
Appendix C: Maximum peak conducted output power

Test Result

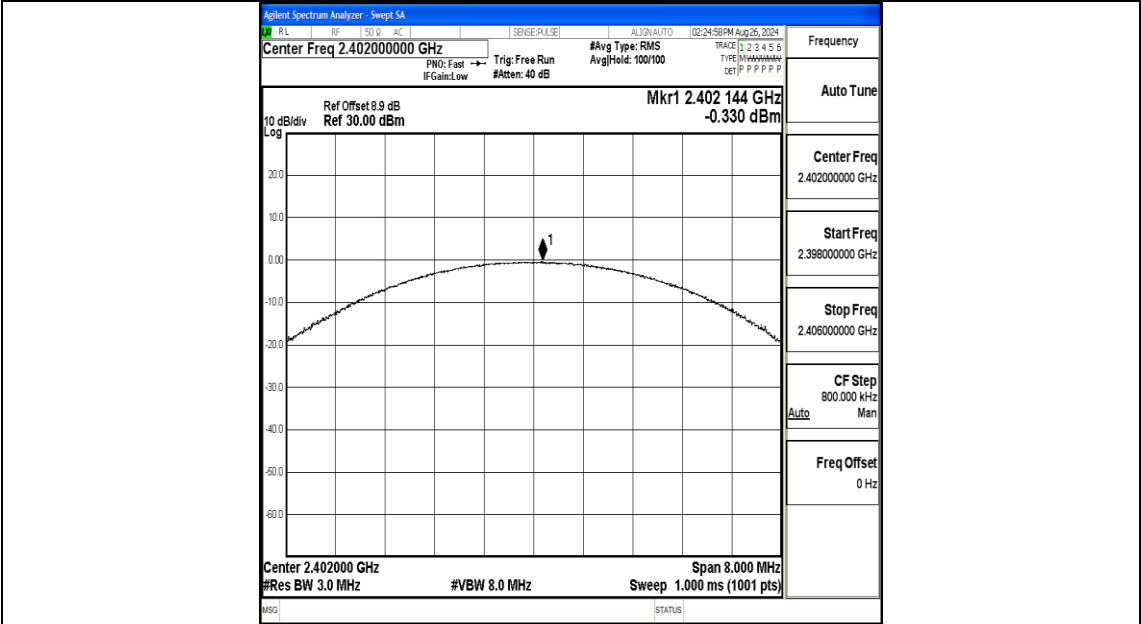
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.11	≤30	PASS
DH5	Ant1	2441	-0.85	≤30	PASS
DH5	Ant1	2480	-1.24	≤30	PASS
2DH5	Ant1	2402	-0.33	≤20.97	PASS
2DH5	Ant1	2441	-0.15	≤20.97	PASS
2DH5	Ant1	2480	-0.48	≤20.97	PASS

Test Graphs

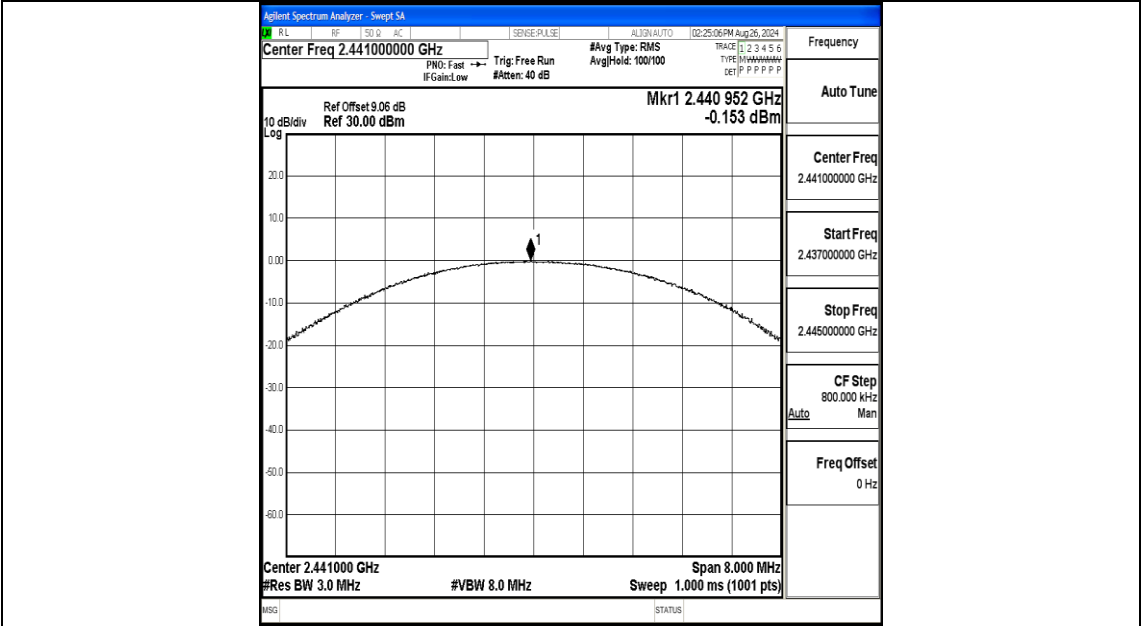




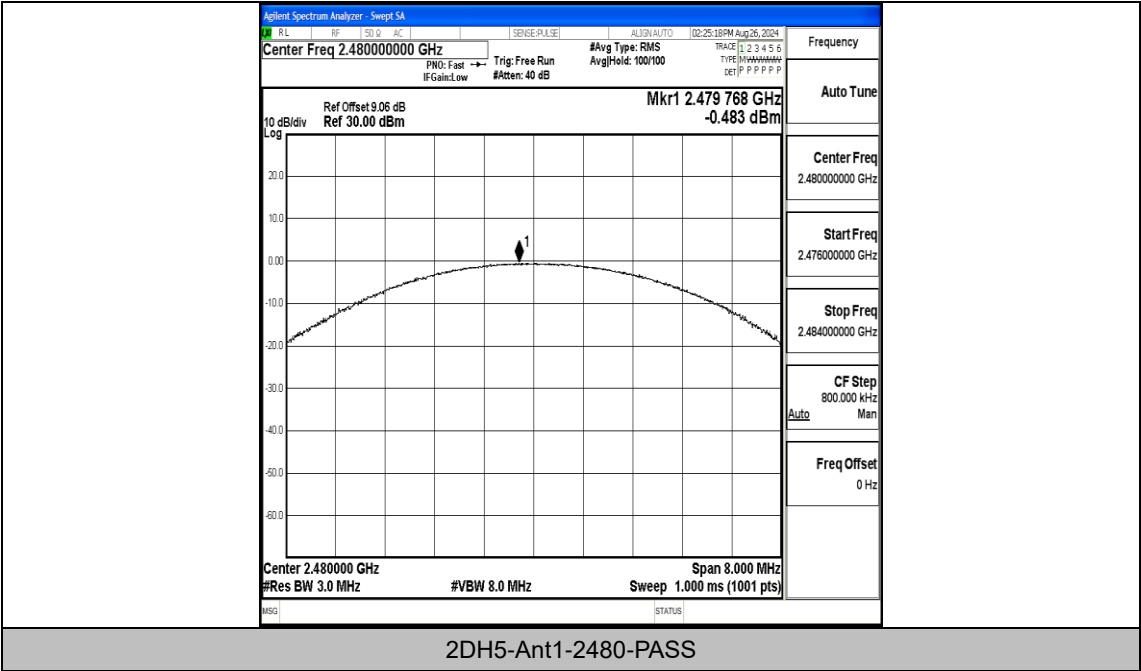
DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



2DH5-Ant1-2441-PASS

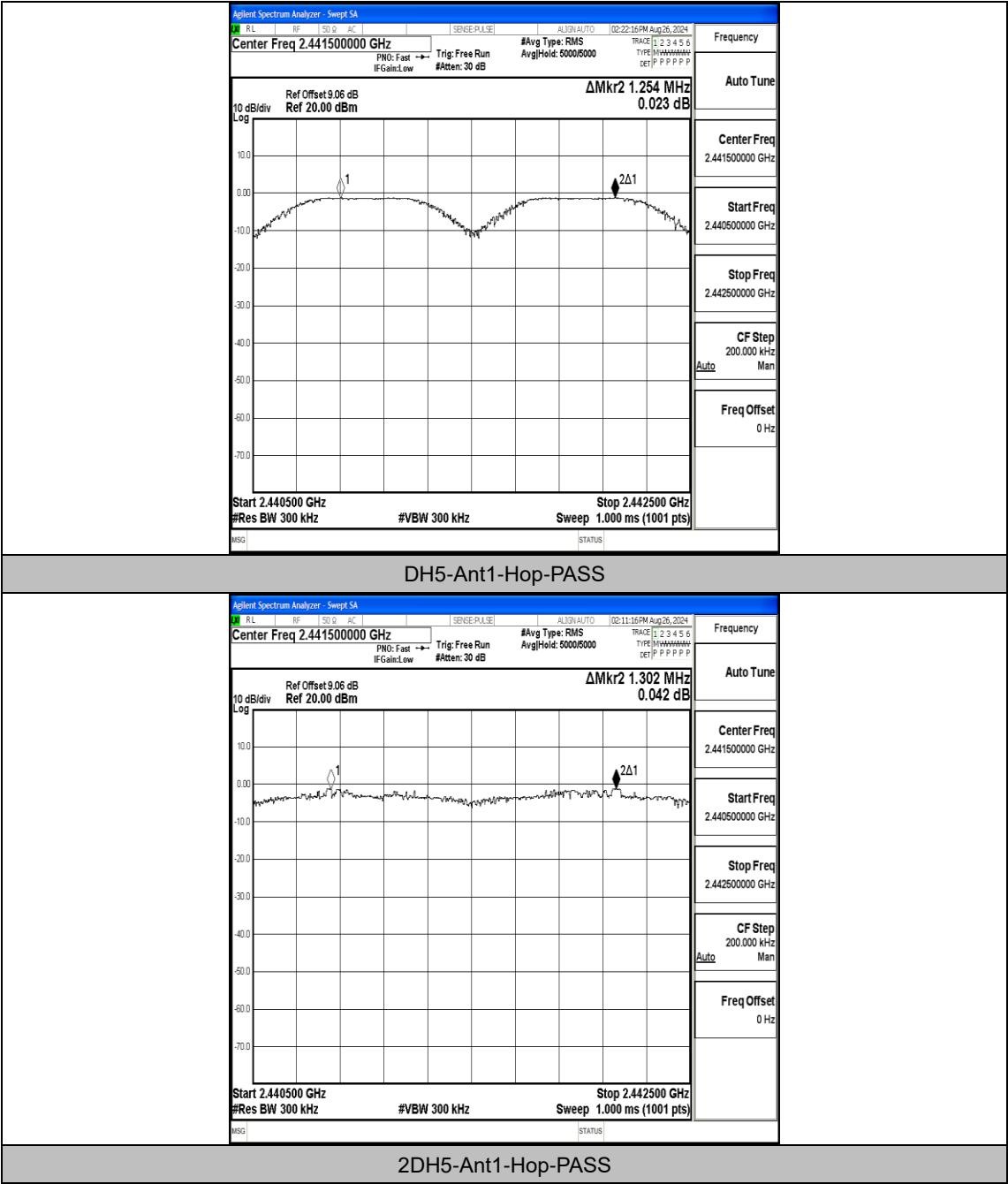


Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.254	≥ 1.047	PASS
2DH5	Ant1	Hop	1.302	≥ 0.924	PASS

Test Graphs



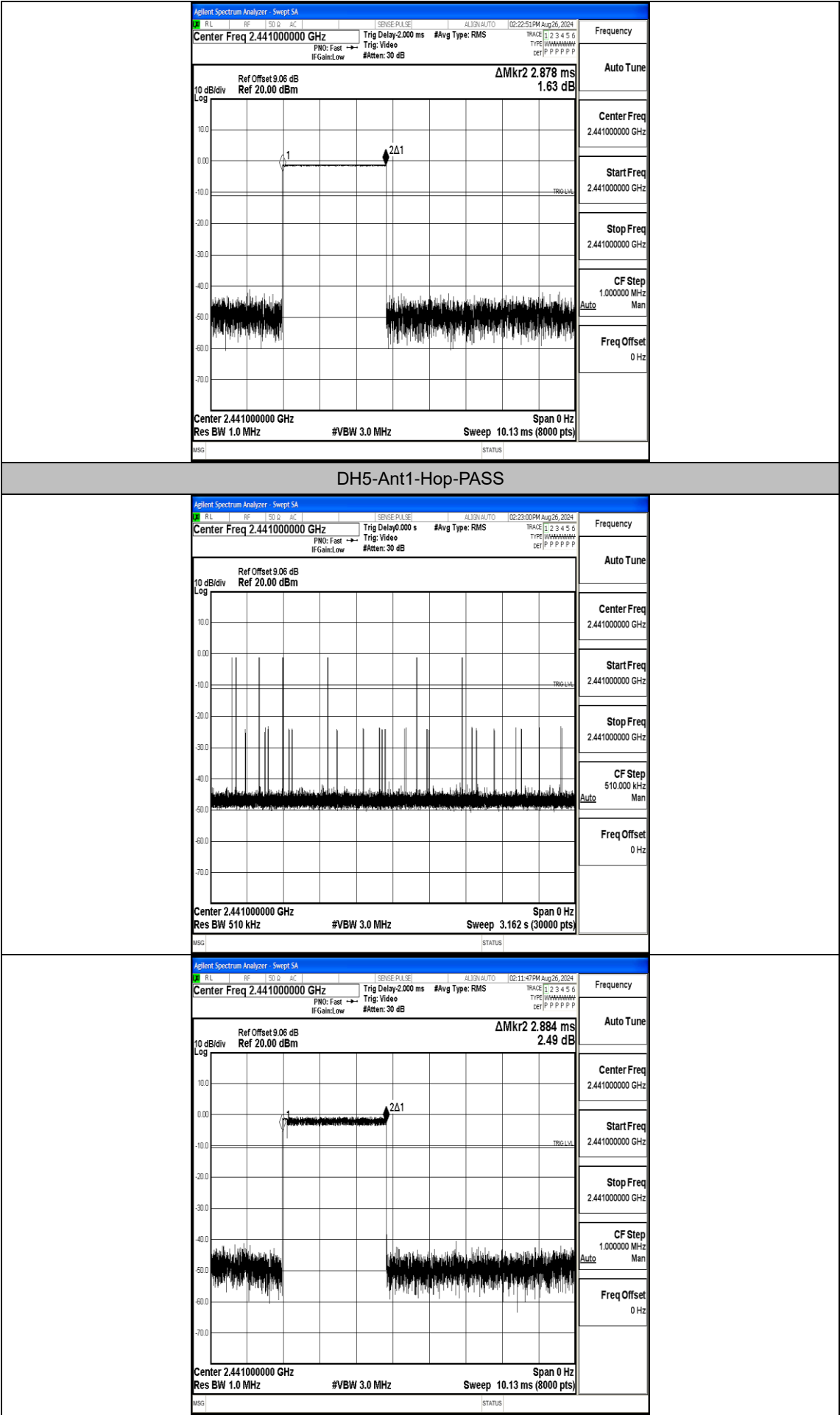
2DH5-Ant1-Hop-PASS

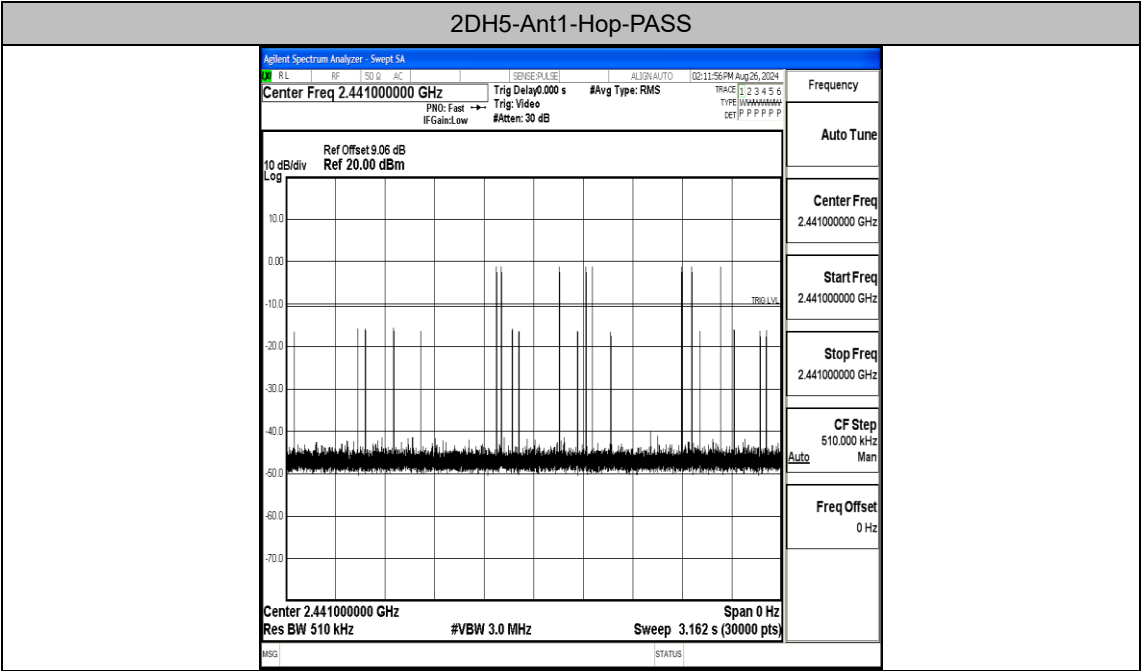
Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.878	80	0.23	≤0.4	PASS
2DH5	Ant1	Hop	2.884	90	0.26	≤0.4	PASS

Test Graphs



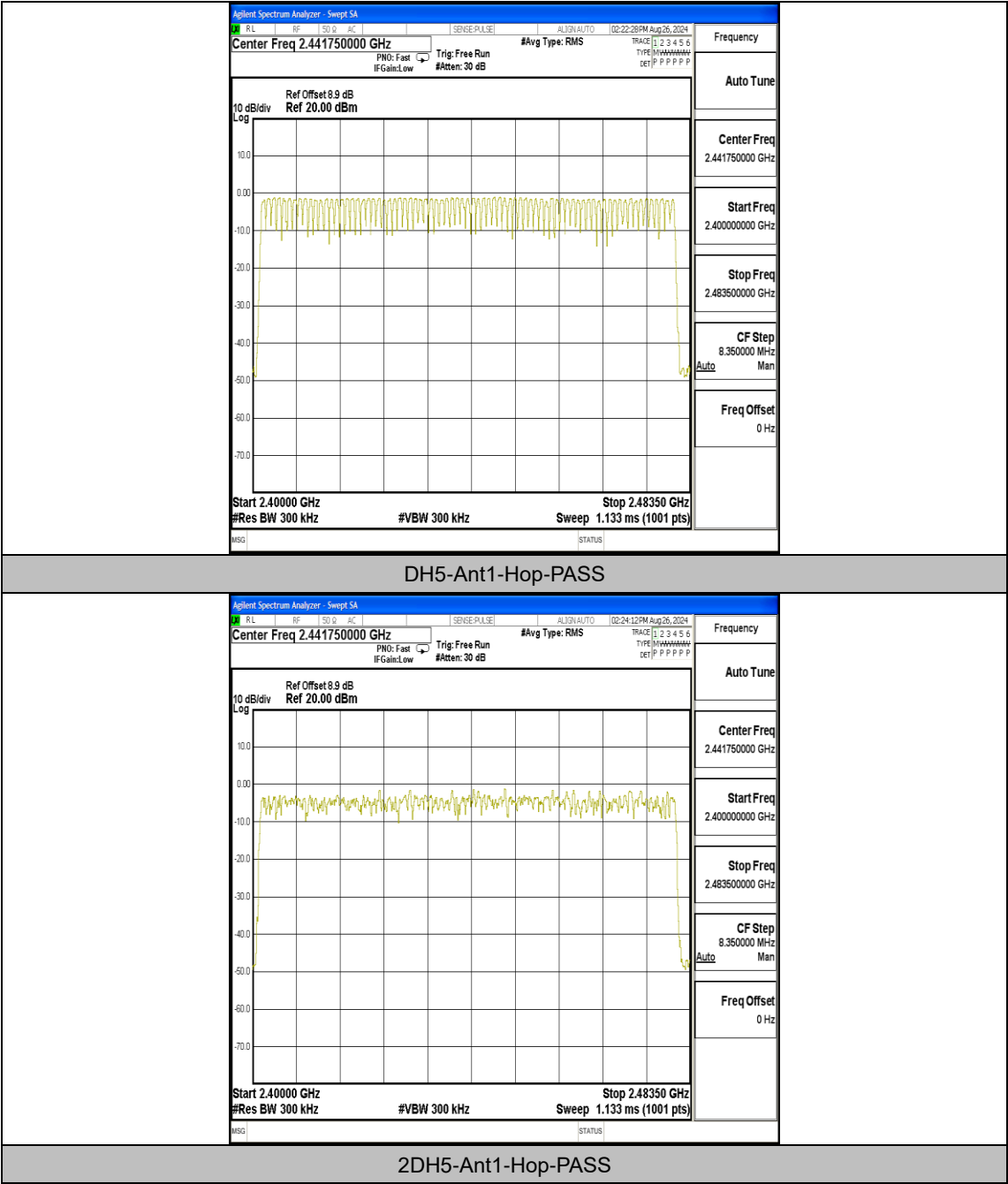


Appendix F: Number of hopping channels

Test Result

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

Test Graphs

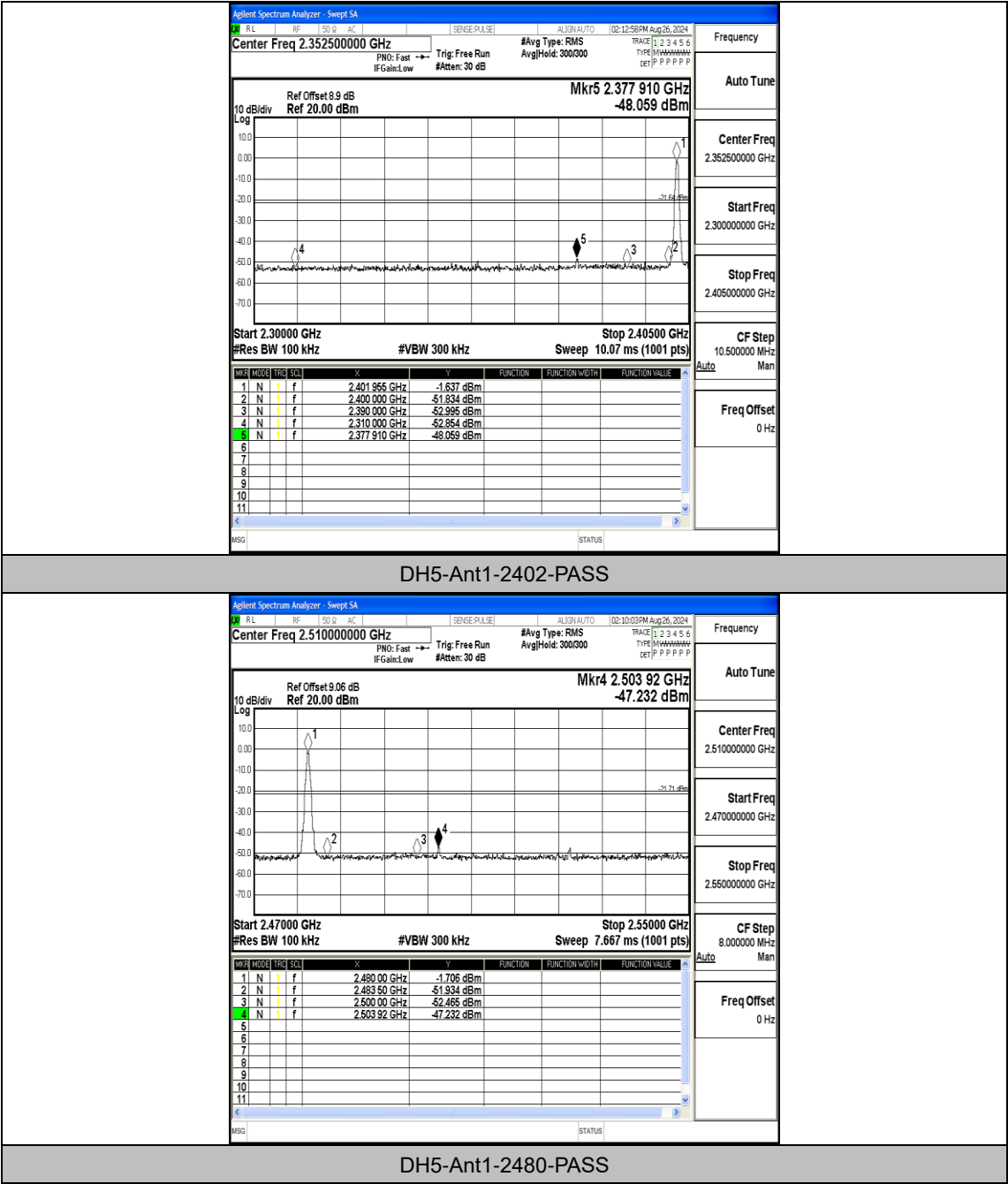


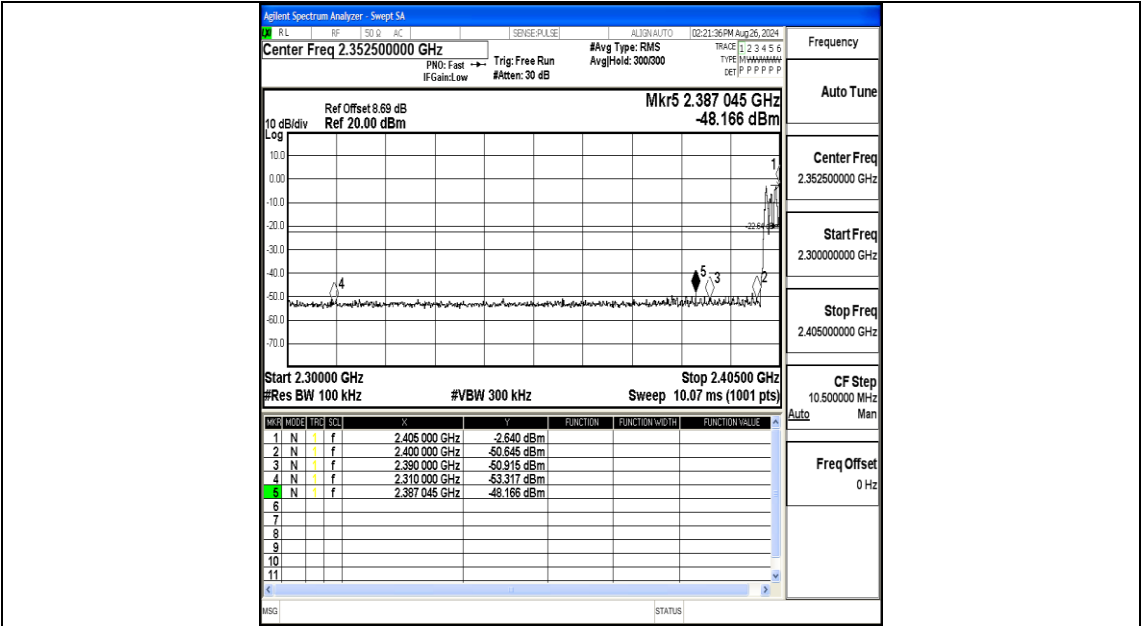
Appendix G: Band edge measurements

Test Result

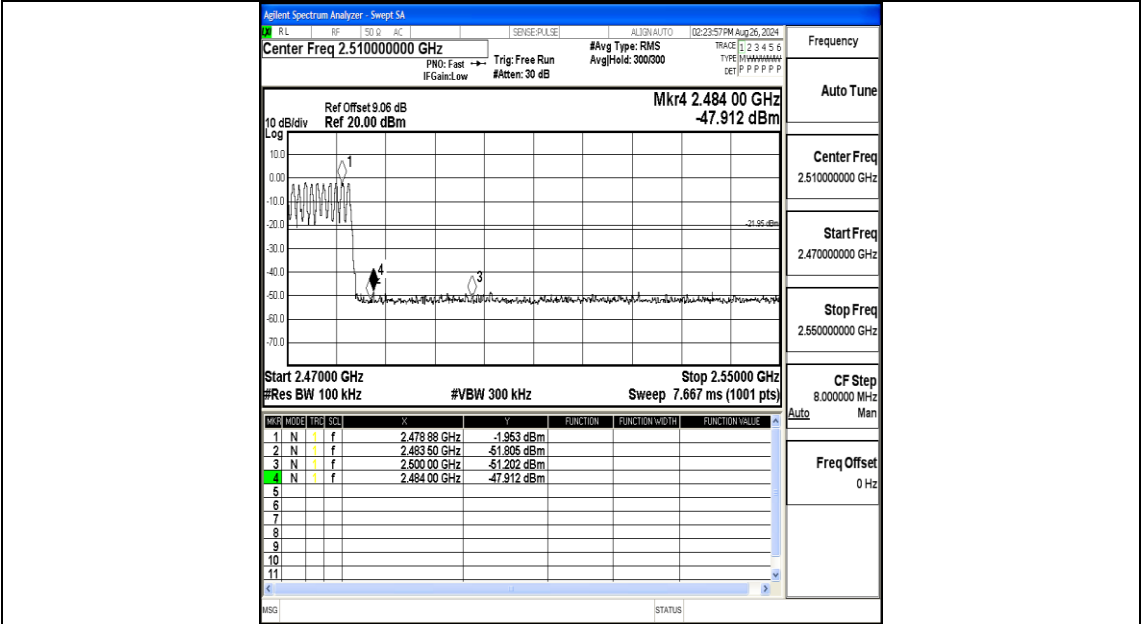
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.64	-48.06	≤-21.64	PASS
DH5	Ant1	High	2480	-1.71	-47.23	≤-21.71	PASS
DH5	Ant1	Low	Hop_2402	-2.64	-48.17	≤-22.64	PASS
DH5	Ant1	High	Hop_2480	-1.95	-47.91	≤-21.95	PASS
2DH5	Ant1	Low	2402	-2.98	-49.59	≤-22.98	PASS
2DH5	Ant1	High	2480	-1.70	-47.78	≤-21.7	PASS
2DH5	Ant1	Low	Hop_2402	-5.88	-50.45	≤-25.88	PASS
2DH5	Ant1	High	Hop_2480	-4.49	-48.81	≤-24.49	PASS

Test Graphs

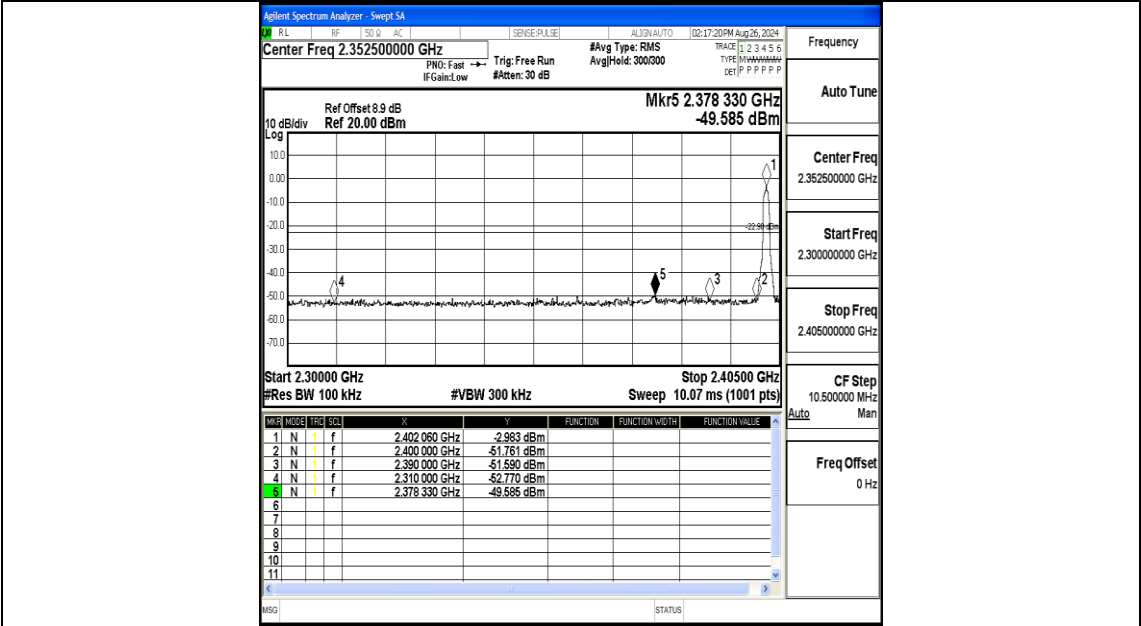




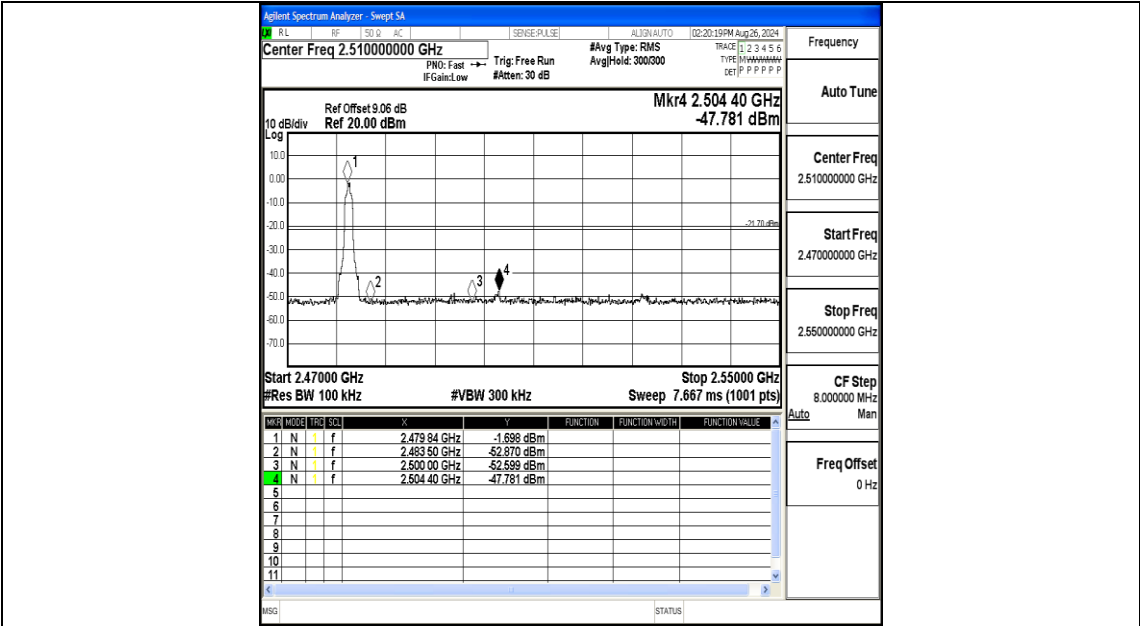
DH5-Ant1-Hop_2402-PASS



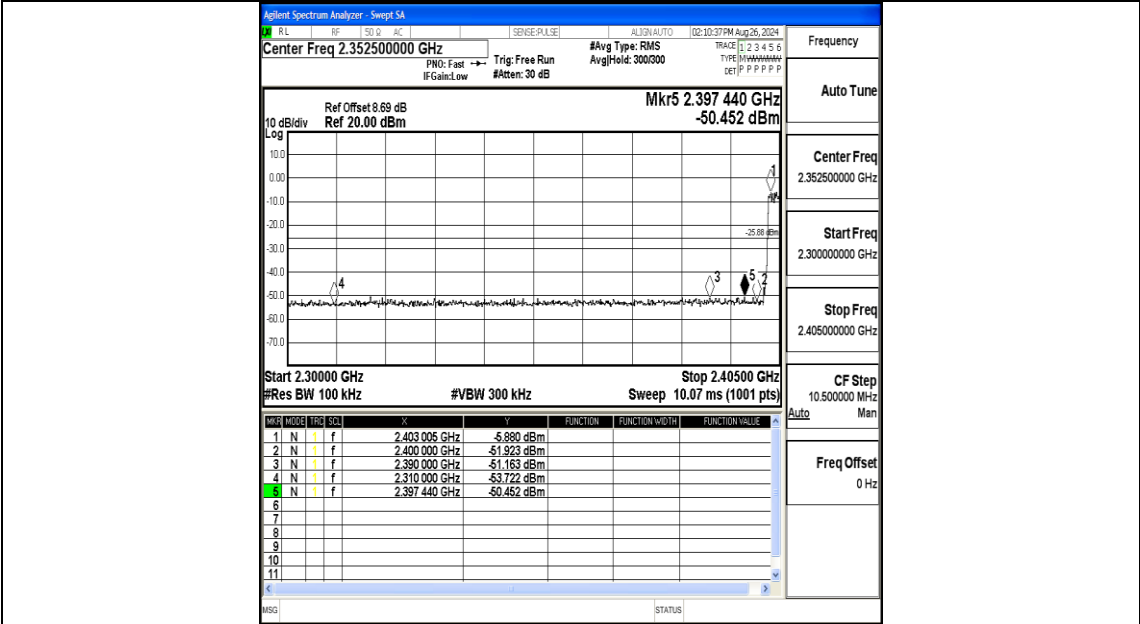
DH5-Ant1-Hop_2480-PASS



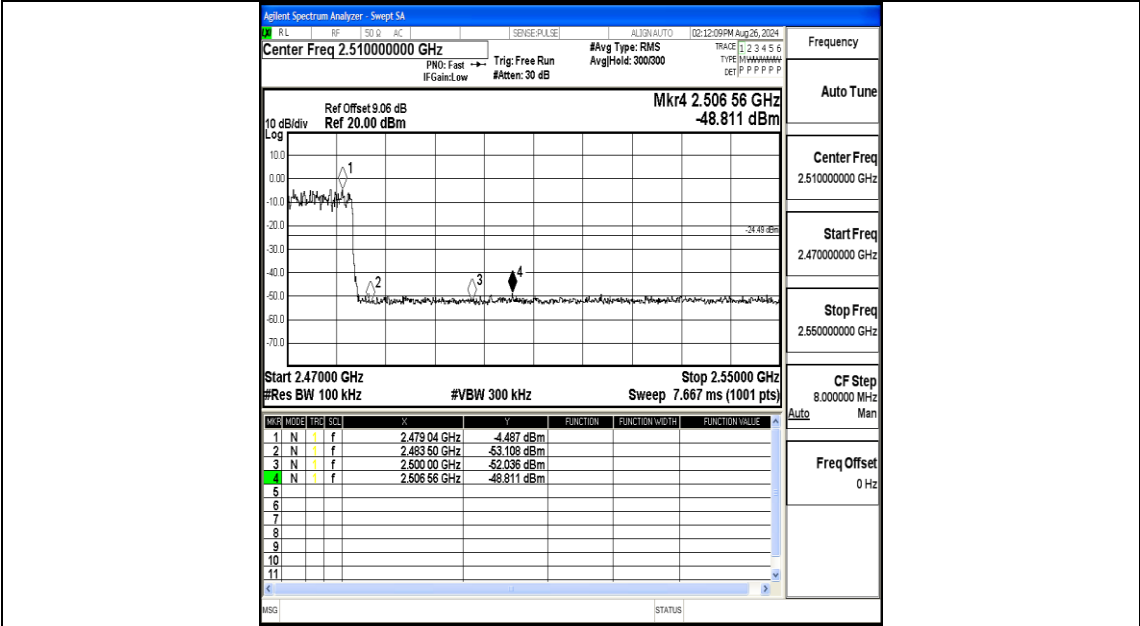
2DH5-Ant1-2402-PASS



2DH5-Ant1-2480-PASS



2DH5-Ant1-Hop_2402-PASS



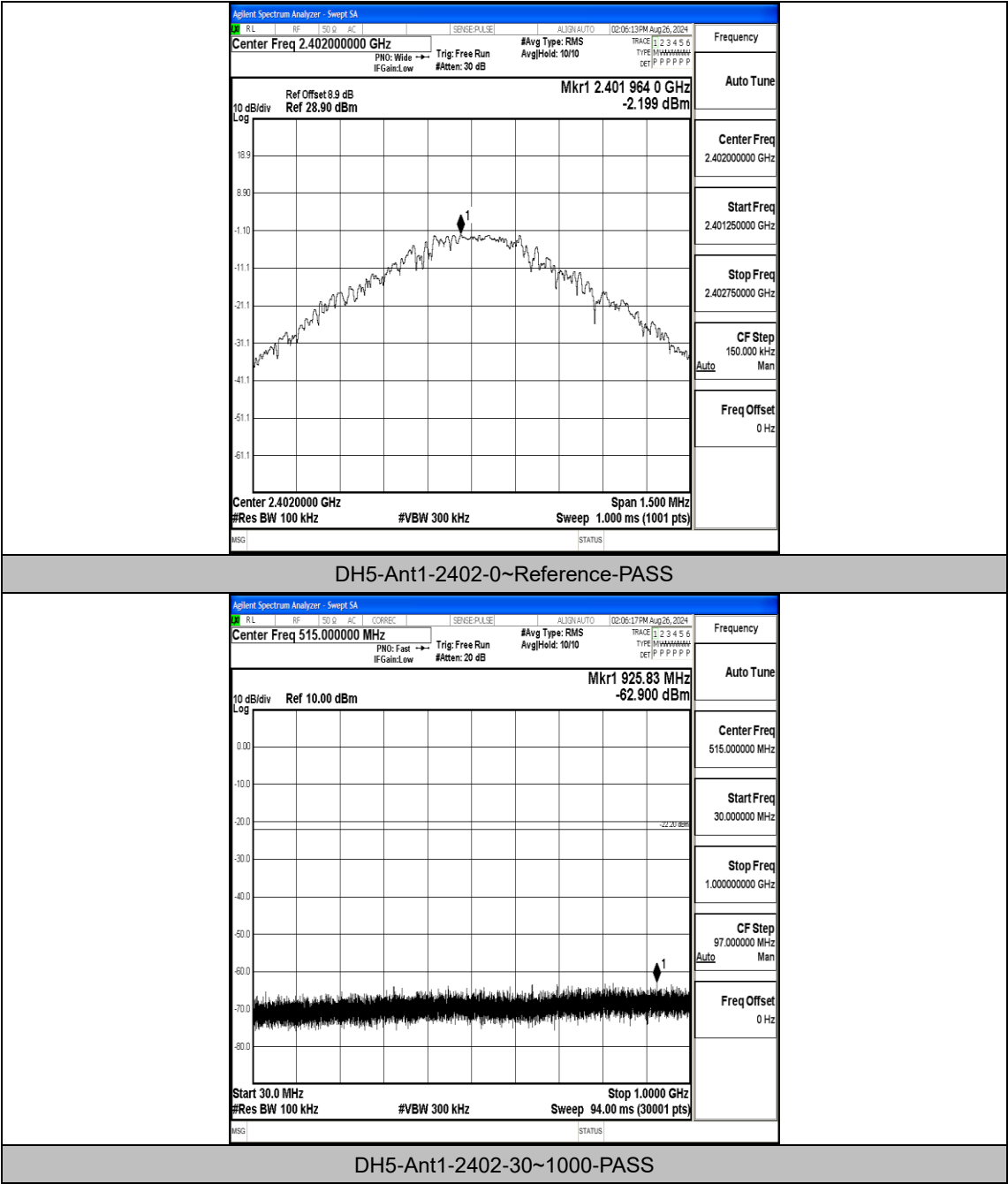
2DH5-Ant1-Hop_2480-PASS

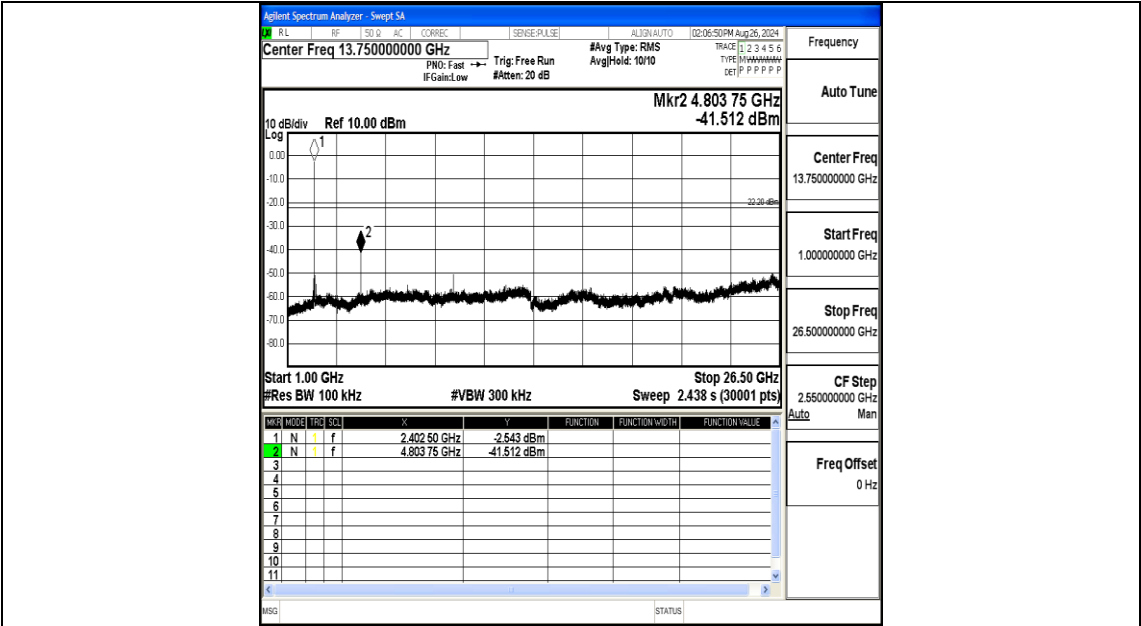
Appendix H: Conducted Spurious Emission

Test Result

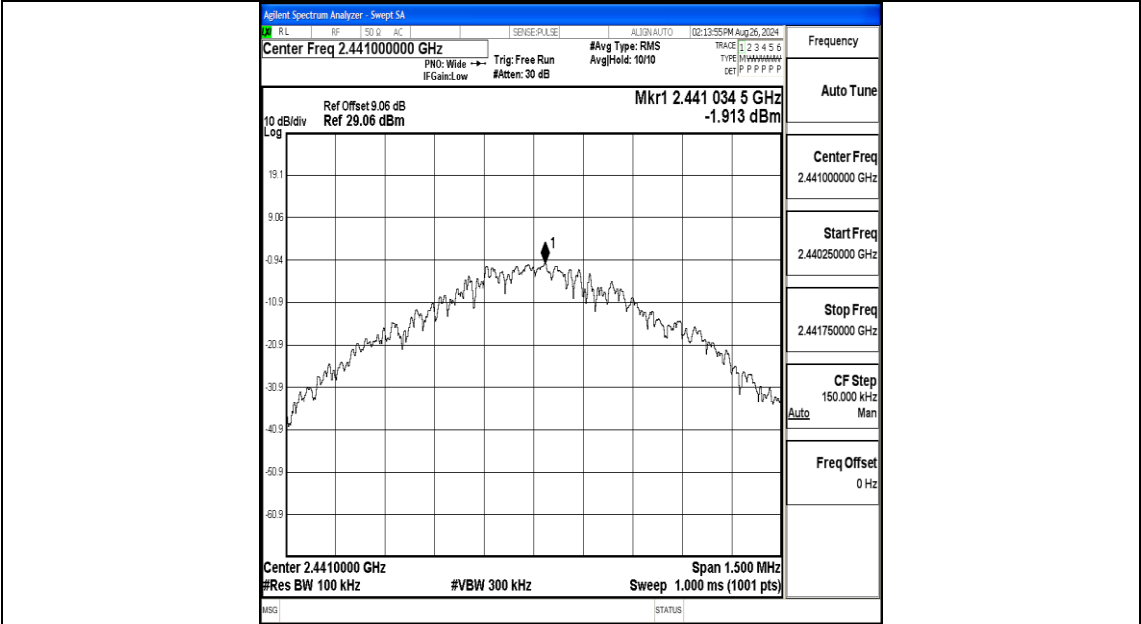
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-2.20	-2.20	---	PASS
DH5	Ant1	2402	30~1000	-2.20	-62.9	≤-22.2	PASS
DH5	Ant1	2402	1000~26500	-2.20	-41.51	≤-22.2	PASS
DH5	Ant1	2441	0~Reference	-1.91	-1.91	---	PASS
DH5	Ant1	2441	30~1000	-1.91	-62.29	≤-21.91	PASS
DH5	Ant1	2441	1000~26500	-1.91	-41.16	≤-21.91	PASS
DH5	Ant1	2480	0~Reference	-2.12	-2.12	---	PASS
DH5	Ant1	2480	30~1000	-2.12	-62.83	≤-22.12	PASS
DH5	Ant1	2480	1000~26500	-2.12	-43.36	≤-22.12	PASS
2DH5	Ant1	2402	0~Reference	-1.89	-1.89	---	PASS
2DH5	Ant1	2402	30~1000	-1.89	-62.62	≤-21.89	PASS
2DH5	Ant1	2402	1000~26500	-1.89	-44.67	≤-21.89	PASS
2DH5	Ant1	2441	0~Reference	-2.73	-2.73	---	PASS
2DH5	Ant1	2441	30~1000	-2.73	-61.86	≤-22.73	PASS
2DH5	Ant1	2441	1000~26500	-2.73	-43.12	≤-22.73	PASS
2DH5	Ant1	2480	0~Reference	-2.51	-2.51	---	PASS
2DH5	Ant1	2480	30~1000	-2.51	-62.5	≤-22.51	PASS
2DH5	Ant1	2480	1000~26500	-2.51	-45.29	≤-22.51	PASS

Test Graphs

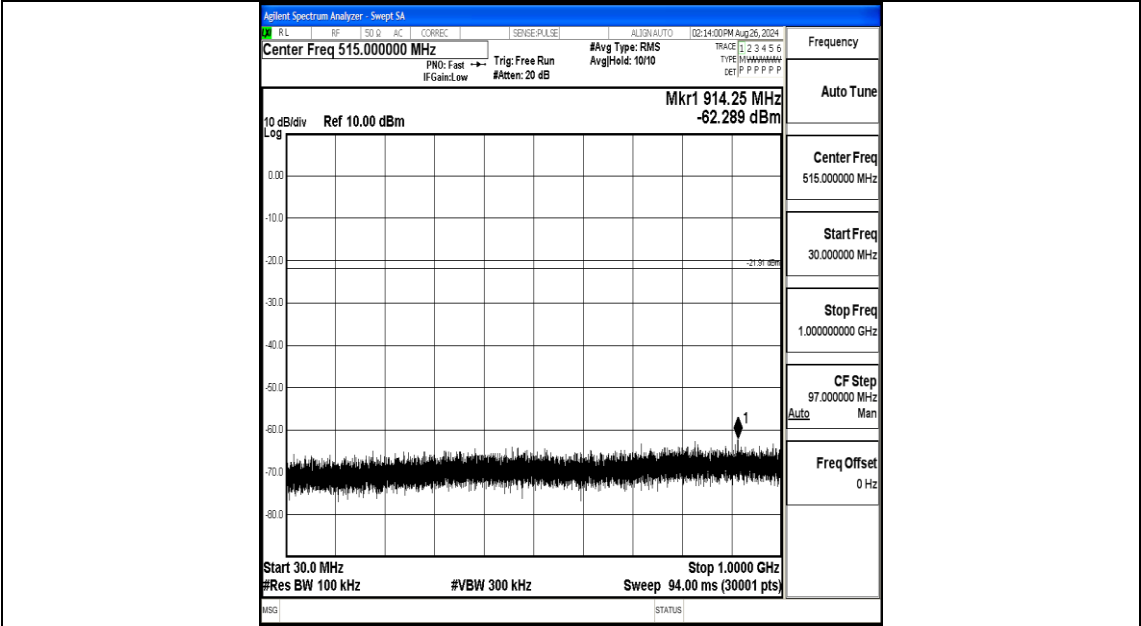




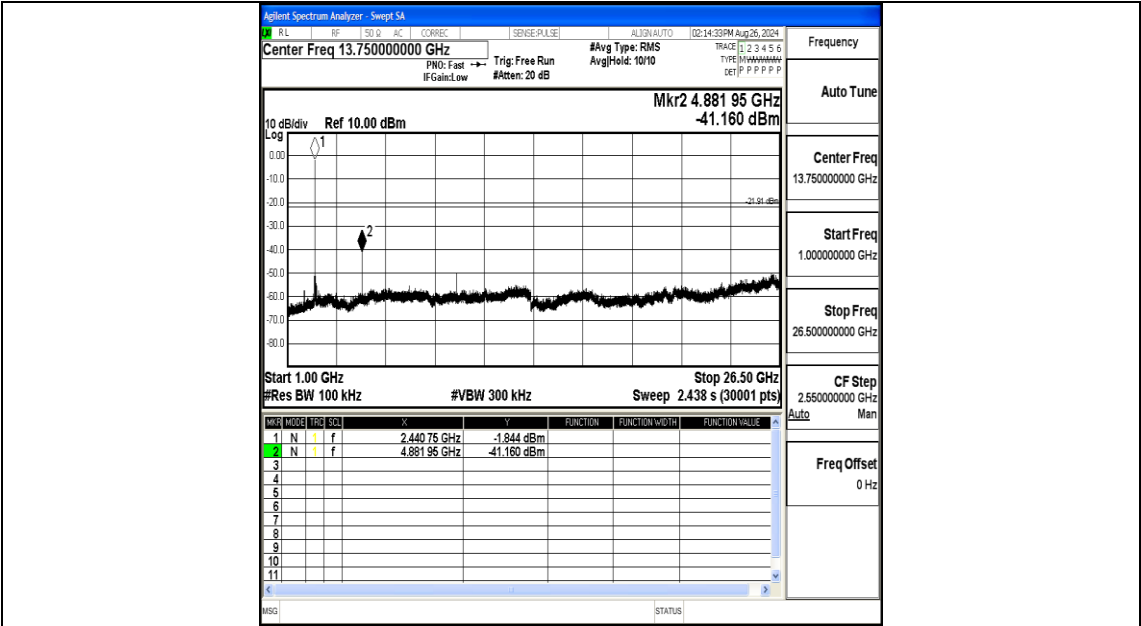
DH5-Ant1-2402-1000~26500-PASS



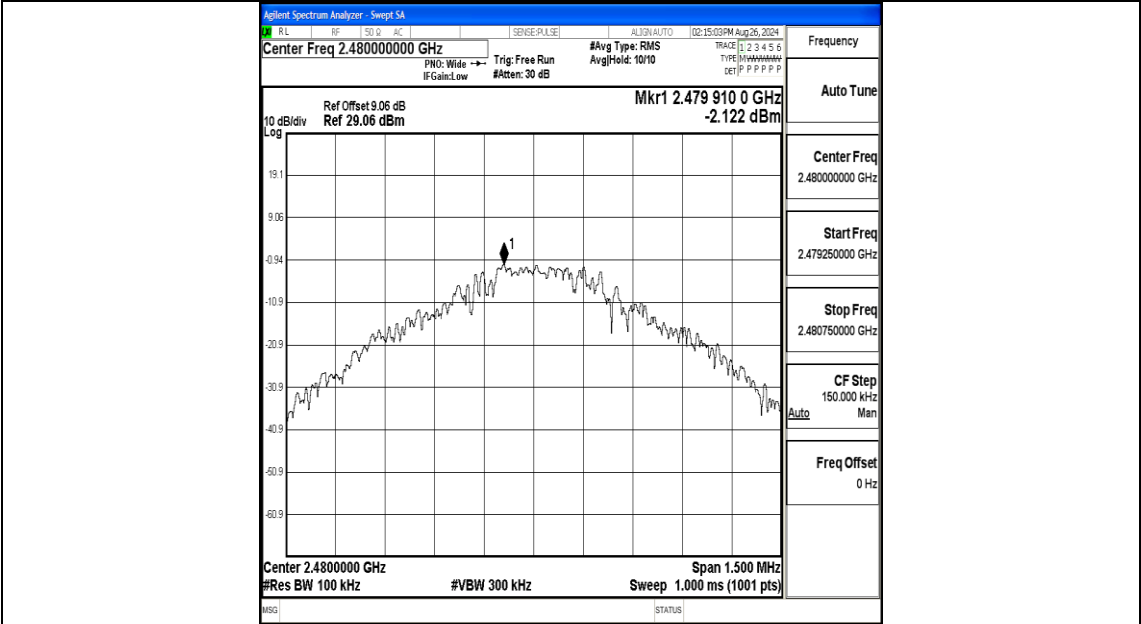
DH5-Ant1-2441-0~Reference-PASS



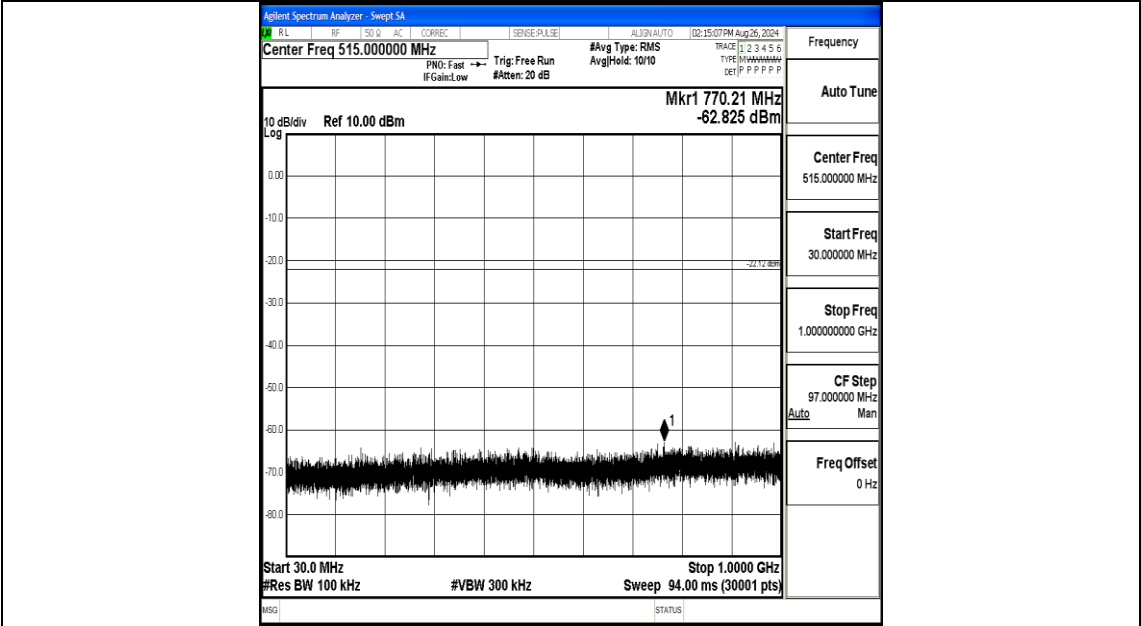
DH5-Ant1-2441-30~1000-PASS



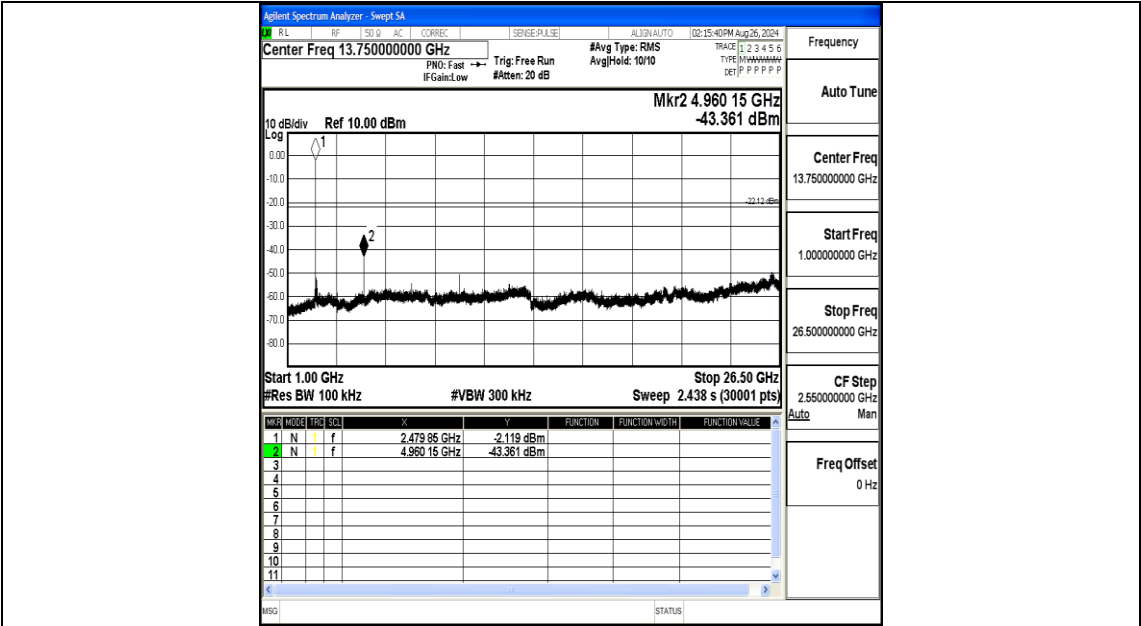
DH5-Ant1-2441-1000~26500-PASS



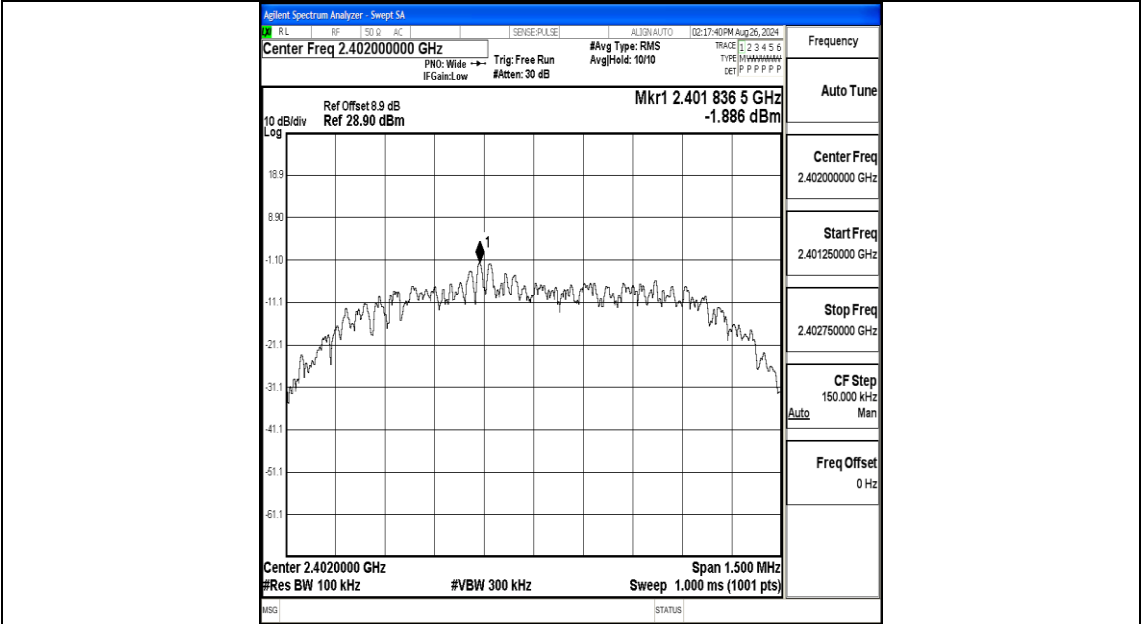
DH5-Ant1-2480-0~Reference-PASS



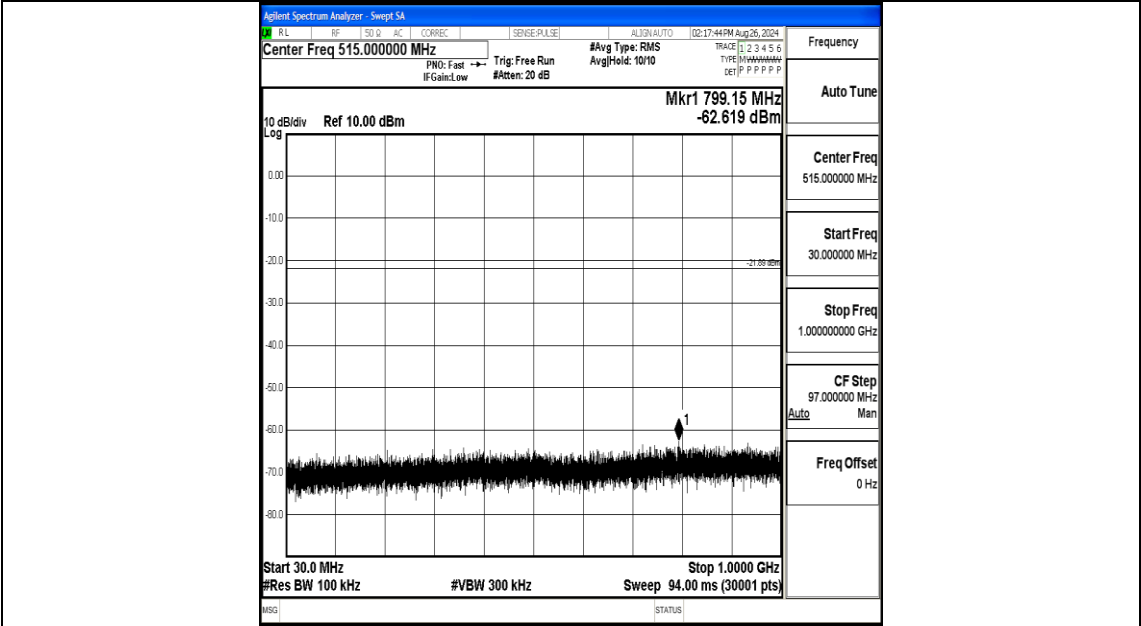
DH5-Ant1-2480-30~1000-PASS



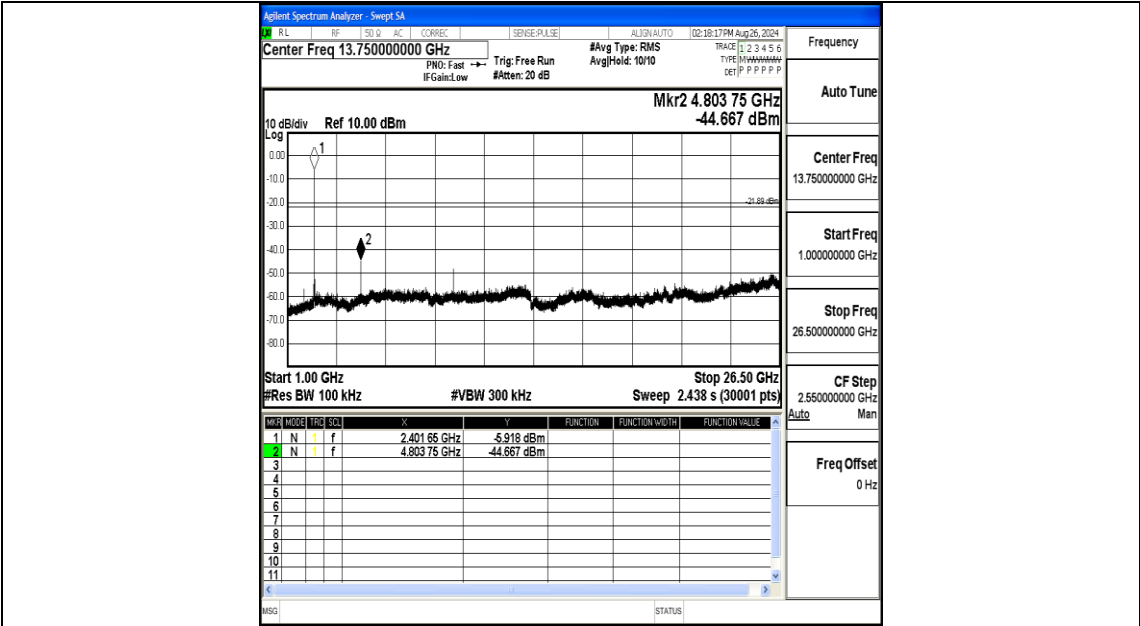
DH5-Ant1-2480-1000~26500-PASS



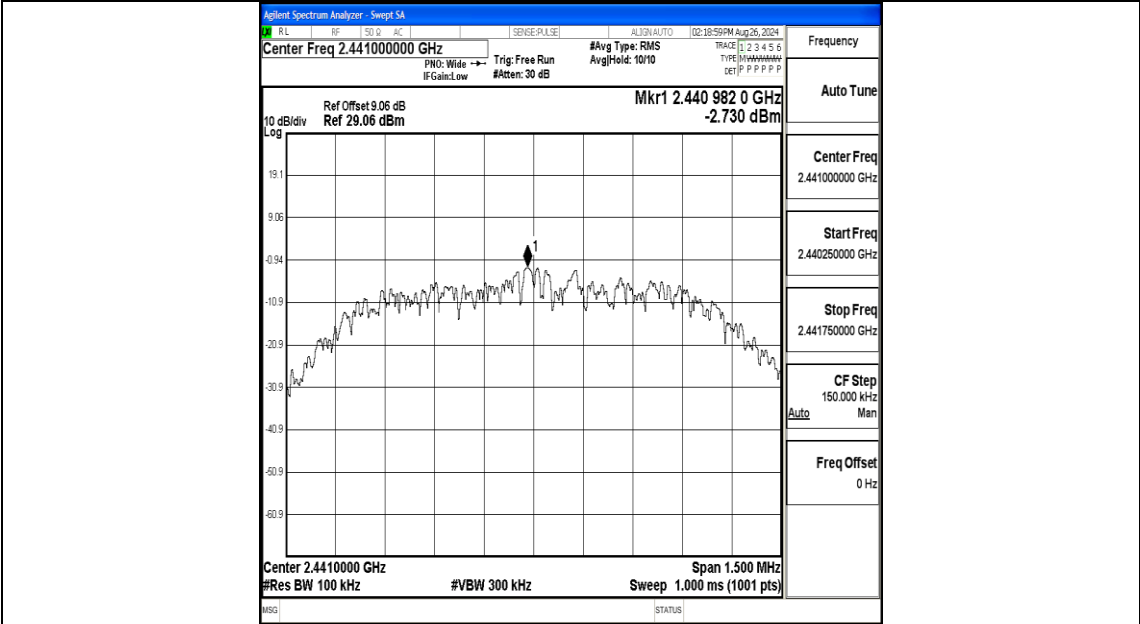
2DH5-Ant1-2402-0~Reference-PASS



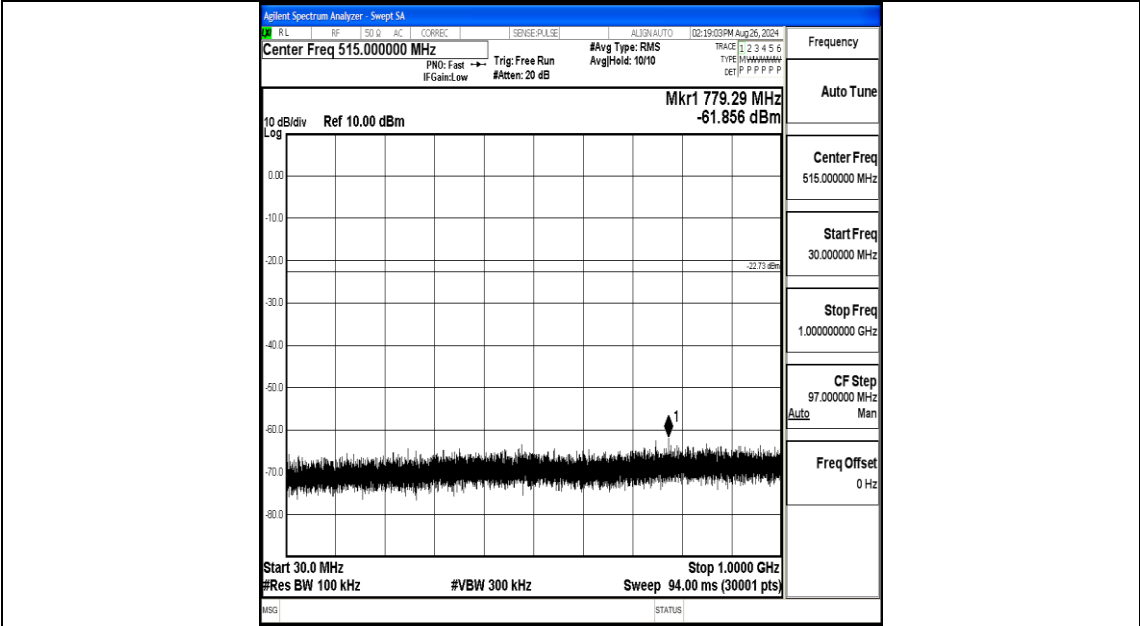
2DH5-Ant1-2402-30~1000-PASS



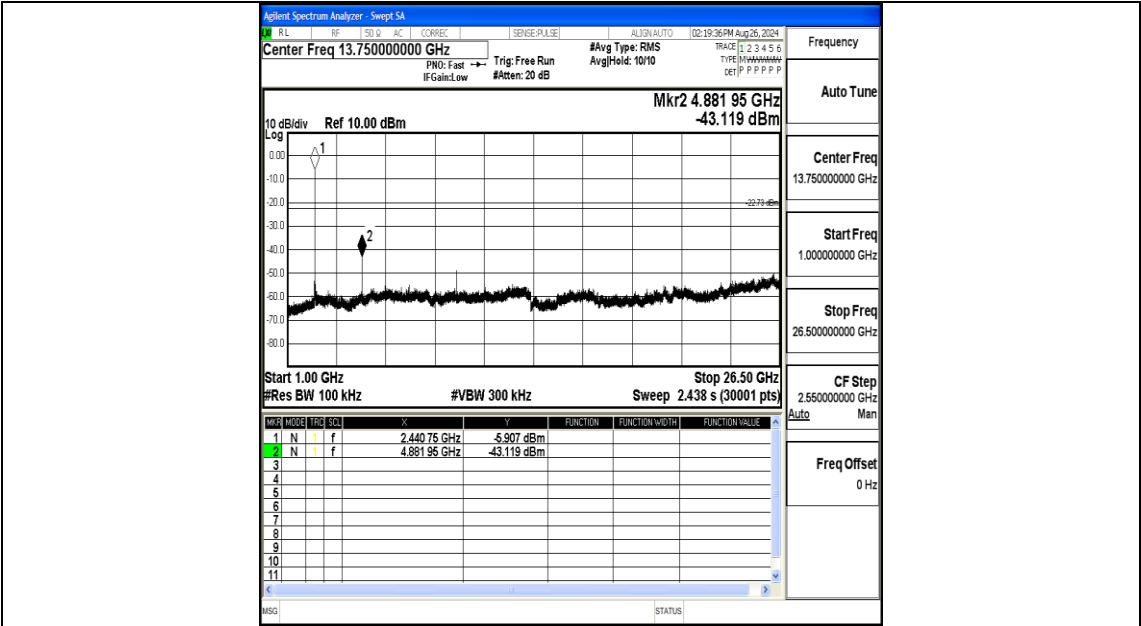
2DH5-Ant1-2402-1000~26500-PASS



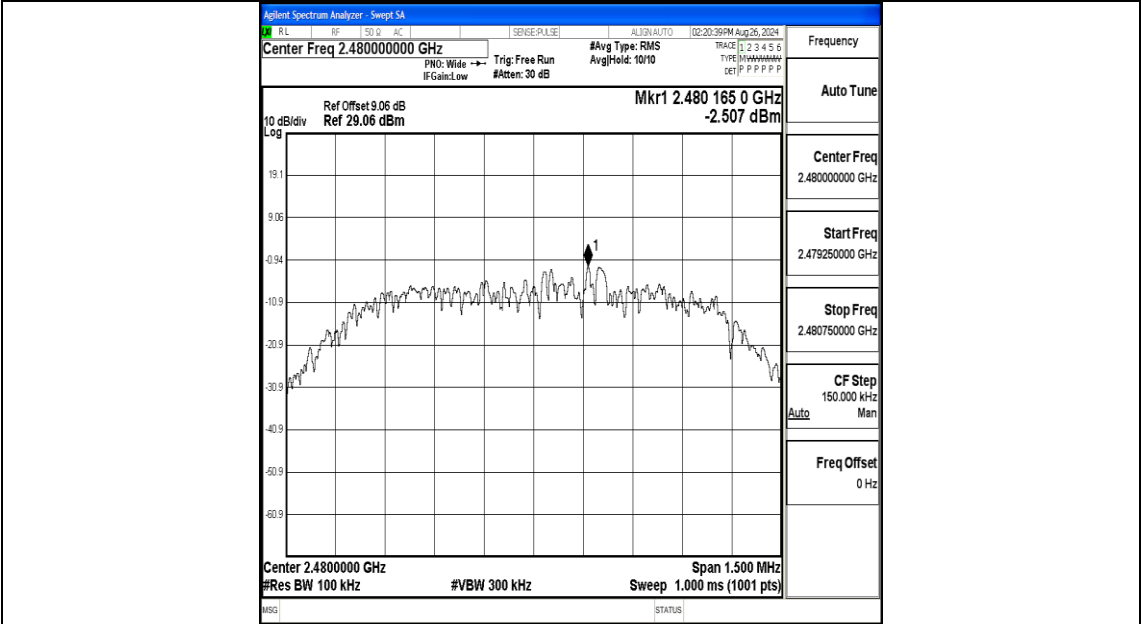
2DH5-Ant1-2441-0~Reference-PASS



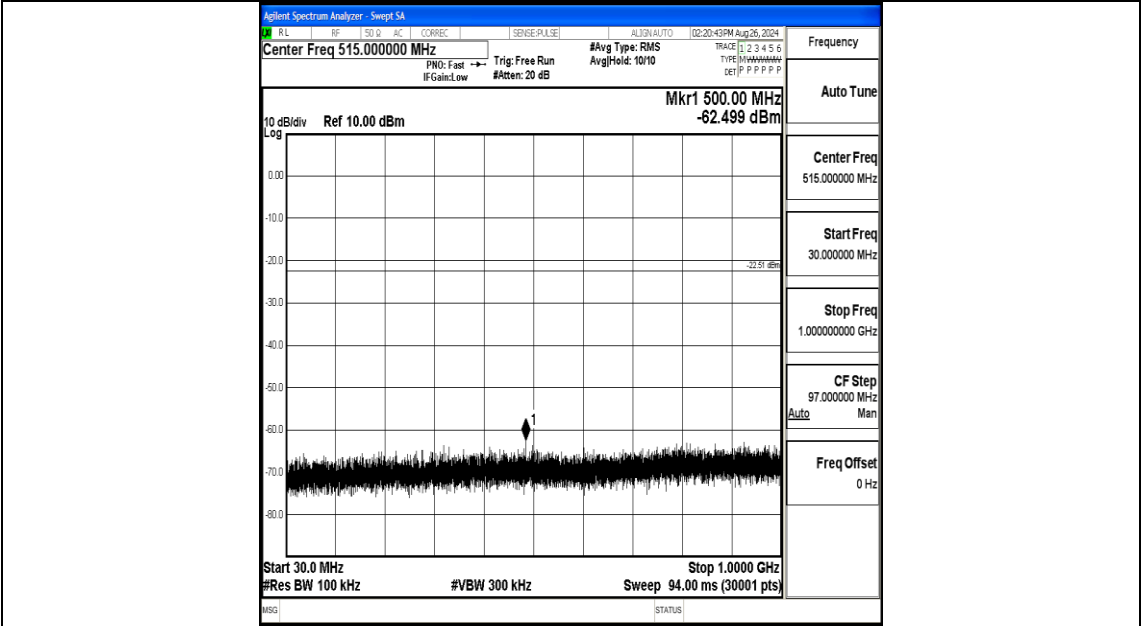
2DH5-Ant1-2441-30~1000-PASS



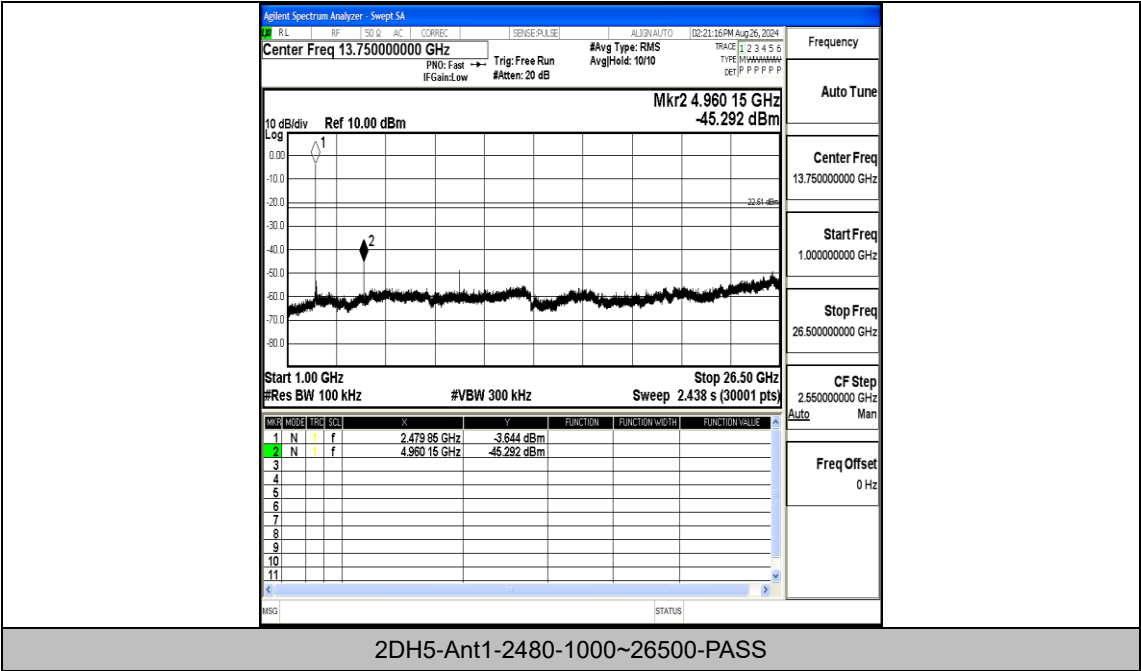
2DH5-Ant1-2441-1000~26500-PASS



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



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



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time[ms]	Period[ms]	Duty Cycle[%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.87	3.74	76.74	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
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	2.88	3.75	76.80	1.15

Test Graphs

