



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

Product Name: AI Notetaker Digital Voice Recorder

Trade Mark: Notari

Test Model: N1 Pro

FCC ID: 2BXWM-N1PRO

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
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	0.978	2401.511	2402.489	---	---
DH5	Ant1	2441	0.993	2440.496	2441.489	---	---
DH5	Ant1	2480	0.993	2479.496	2480.489	---	---
2DH5	Ant1	2402	1.392	2401.298	2402.690	---	---
2DH5	Ant1	2441	1.374	2440.313	2441.687	---	---
2DH5	Ant1	2480	1.386	2479.310	2480.696	---	---
3DH5	Ant1	2402	1.386	2401.295	2402.681	---	---
3DH5	Ant1	2441	1.377	2440.298	2441.675	---	---
3DH5	Ant1	2480	1.410	2479.286	2480.696	---	---

Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs



DH5-Ant1-2402



DH5-Ant1-2441





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

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.88259	2401.5504	2402.4330	---	---
DH5	Ant1	2441	0.89392	2440.5528	2441.4467	---	---
DH5	Ant1	2480	0.89269	2479.5496	2480.4422	---	---
2DH5	Ant1	2402	1.2821	2401.3557	2402.6378	---	---
2DH5	Ant1	2441	1.2923	2440.3478	2441.6401	---	---
2DH5	Ant1	2480	1.2920	2479.3500	2480.6420	---	---
3DH5	Ant1	2402	1.2767	2401.3572	2402.6339	---	---
3DH5	Ant1	2441	1.2981	2440.3471	2441.6452	---	---
3DH5	Ant1	2480	1.2811	2479.3558	2480.6369	---	---

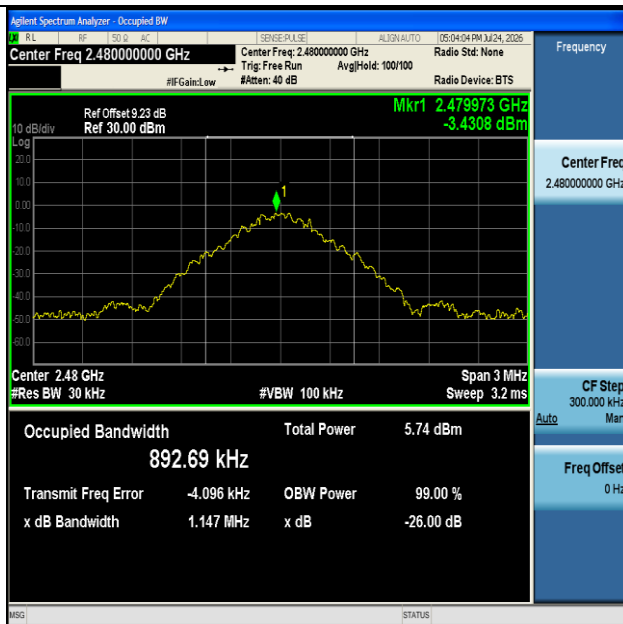
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



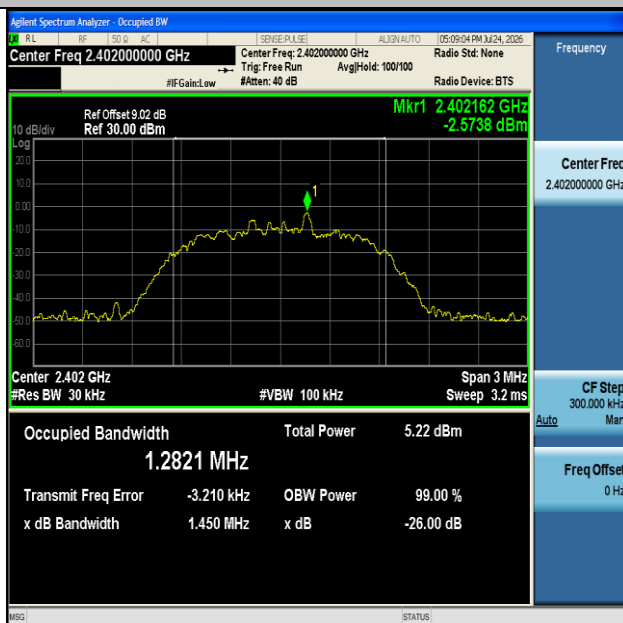


Test Graphs



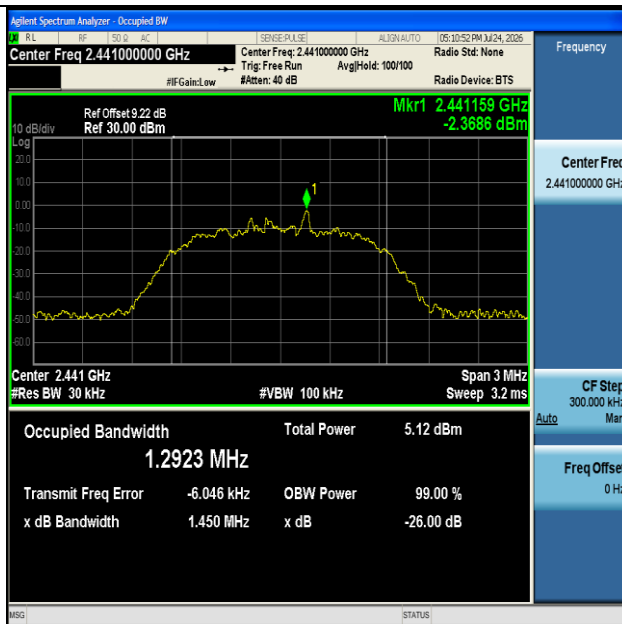


DH5-Ant1-2480

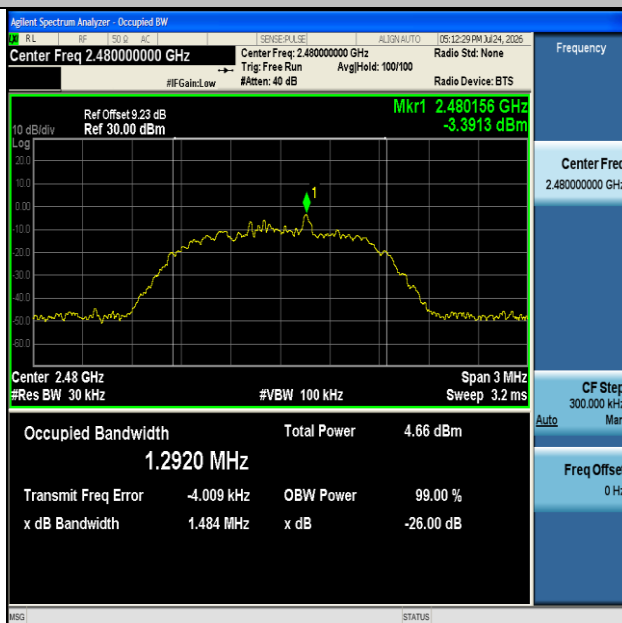


2DH5-Ant1-2402



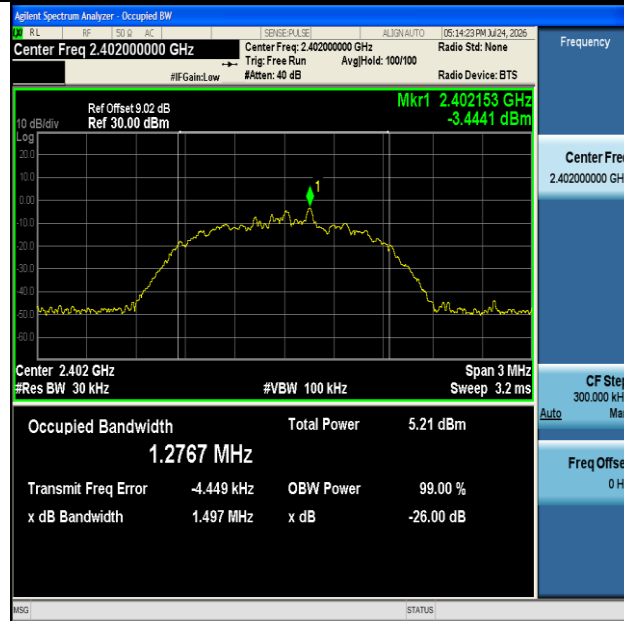


2DH5-Ant1-2441

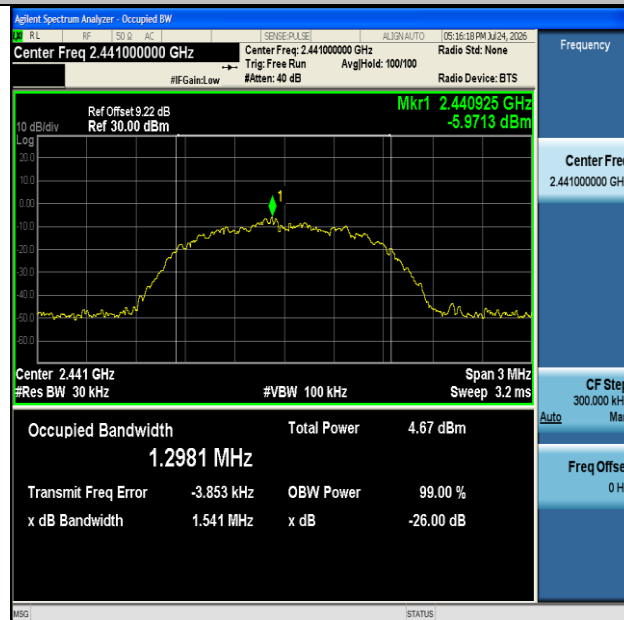


2DH5-Ant1-2480



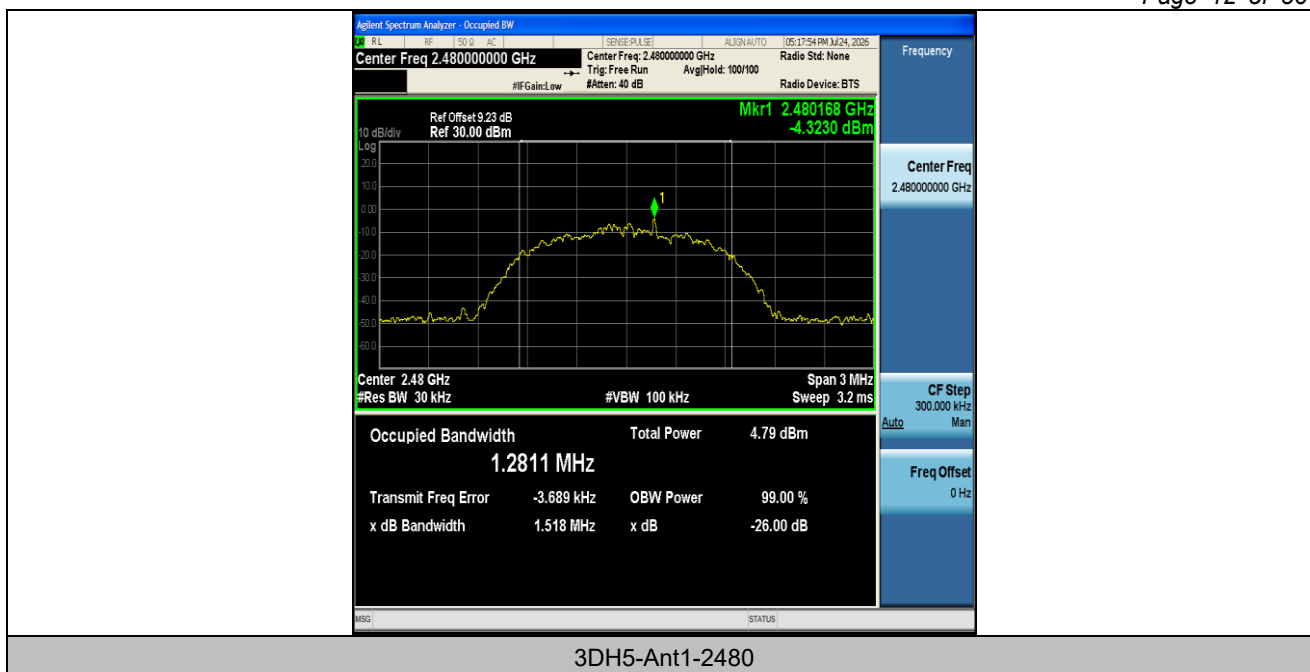


3DH5-Ant1-2402



3DH5-Ant1-2441







Appendix C: Maximum peak conducted output power

Test Result

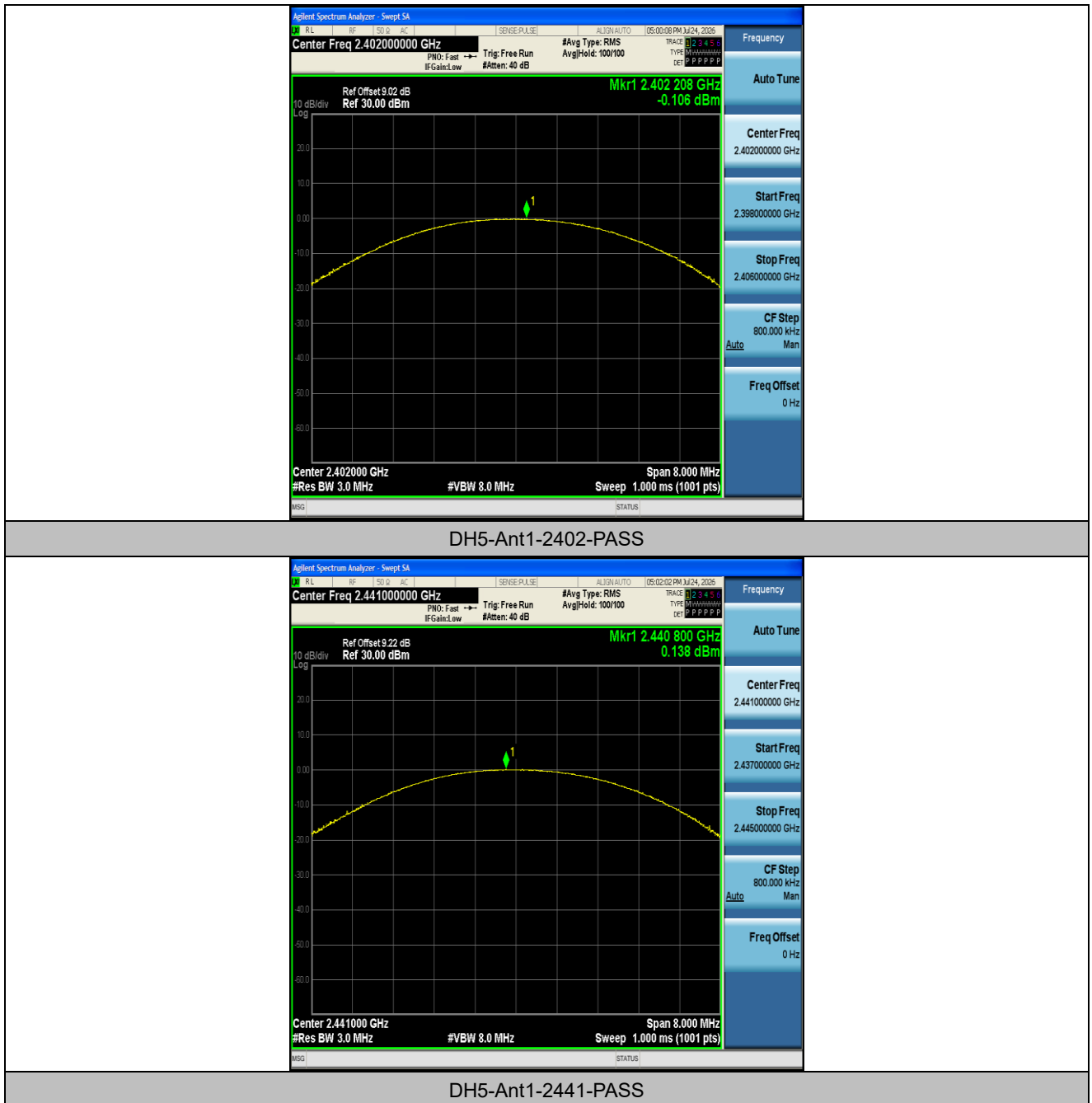
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-0.11	≤30	PASS
DH5	Ant1	2441	0.14	≤30	PASS
DH5	Ant1	2480	-0.29	≤30	PASS
2DH5	Ant1	2402	-0.14	≤20.97	PASS
2DH5	Ant1	2441	0.12	≤20.97	PASS
2DH5	Ant1	2480	-0.42	≤20.97	PASS
3DH5	Ant1	2402	-0.09	≤20.97	PASS
3DH5	Ant1	2441	0.10	≤20.97	PASS
3DH5	Ant1	2480	-0.31	≤20.97	PASS

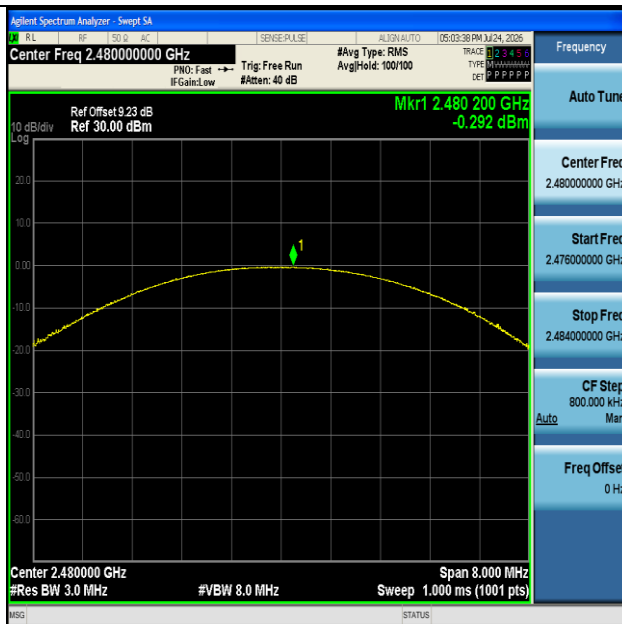
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



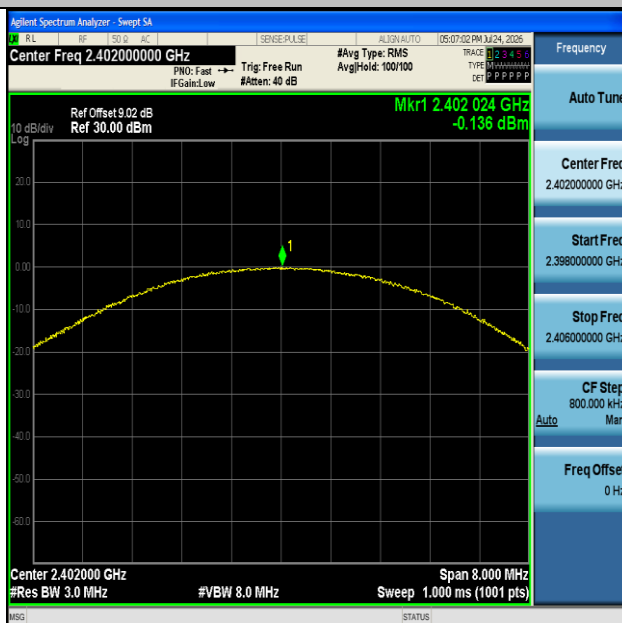


Test Graphs



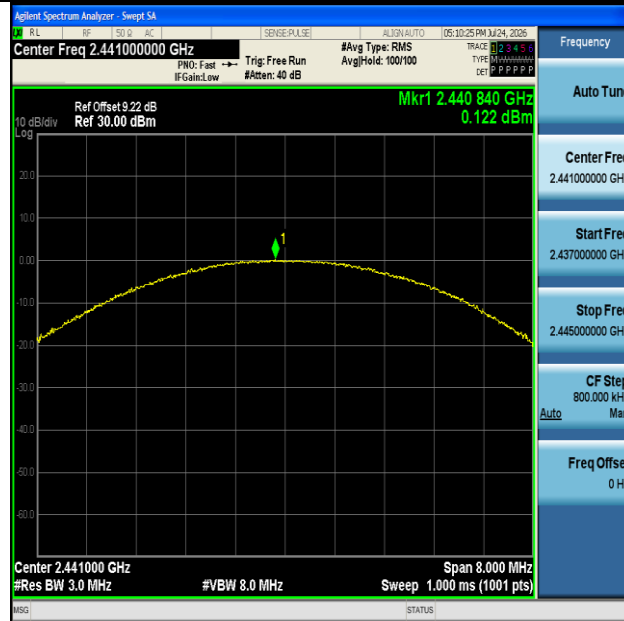


DH5-Ant1-2480-PASS



2DH5-Ant1-2402-PASS



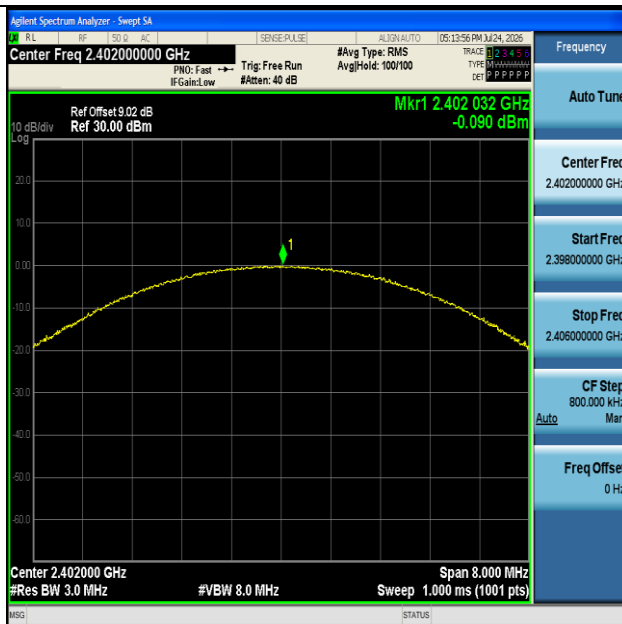


2DH5-Ant1-2441-PASS

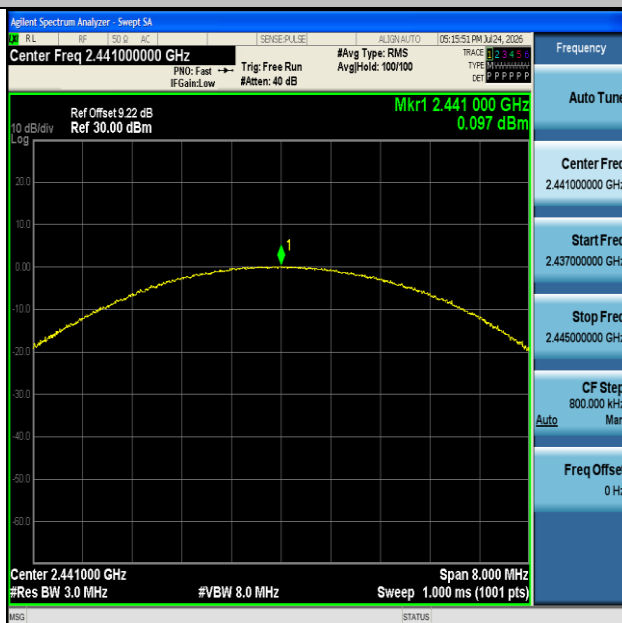


2DH5-Ant1-2480-PASS



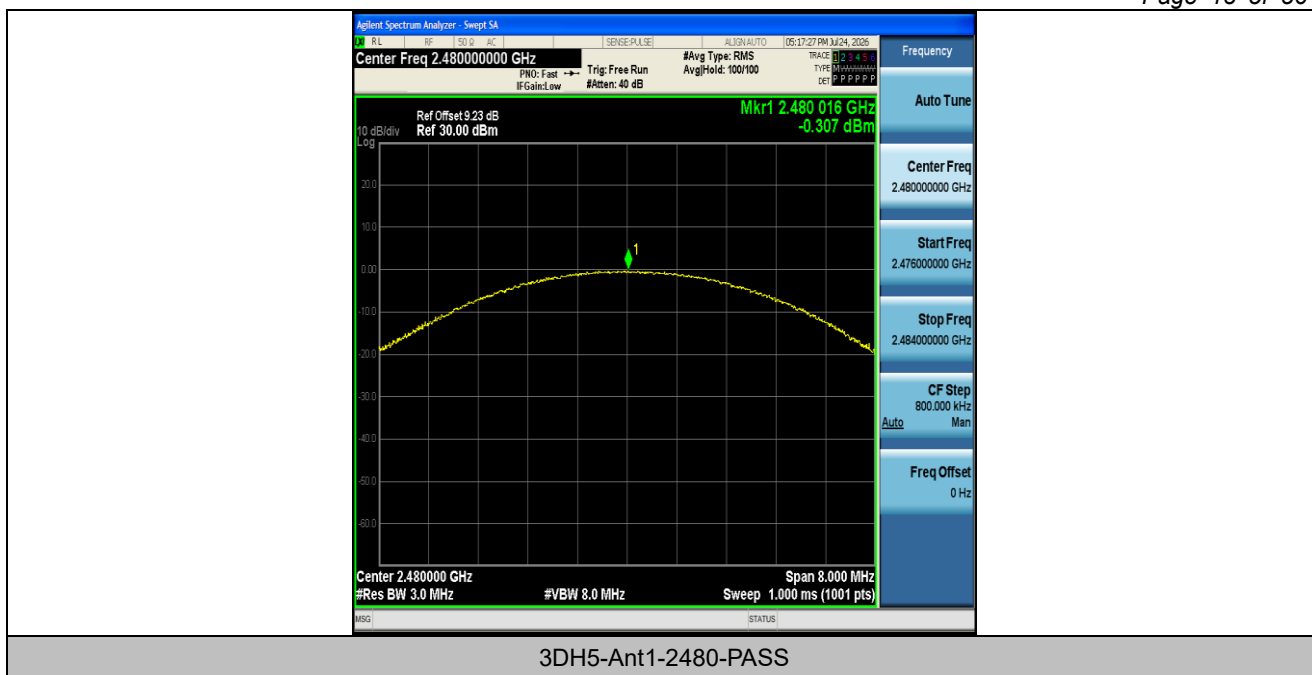


3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS







Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.008	≥0.993	PASS
2DH5	Ant1	Hop	0.986	≥0.928	PASS
3DH5	Ant1	Hop	0.998	≥0.940	PASS

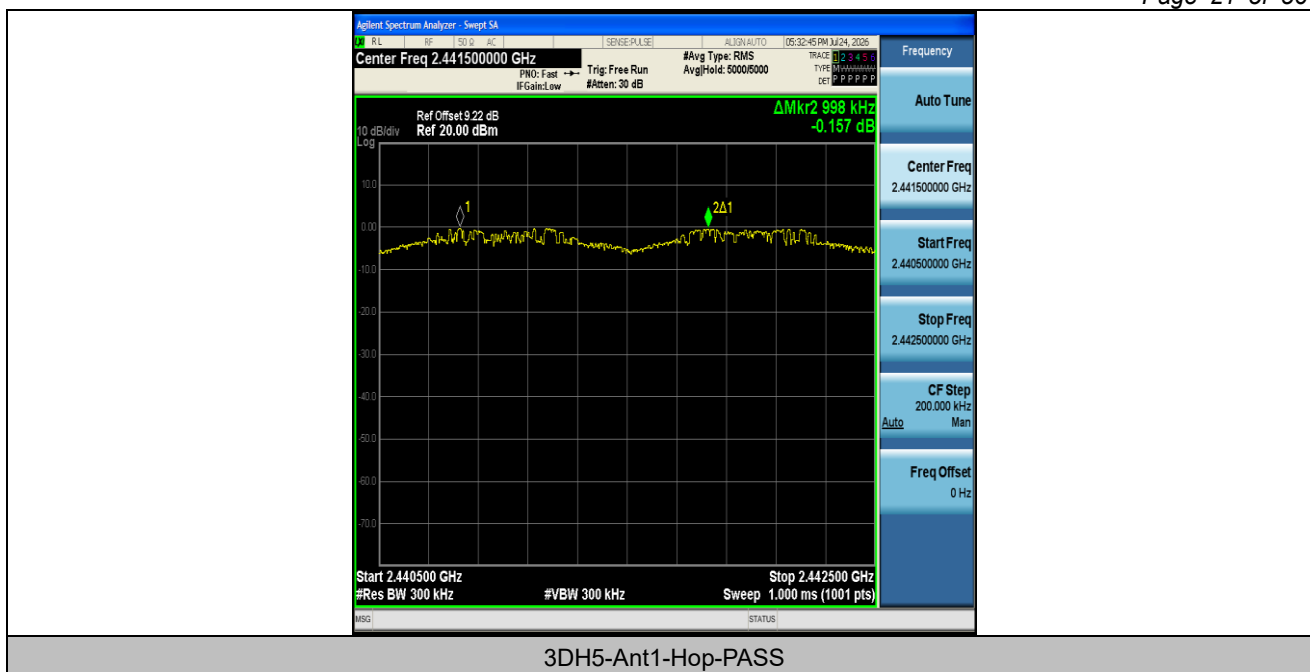
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Time of occupancy

Test Result

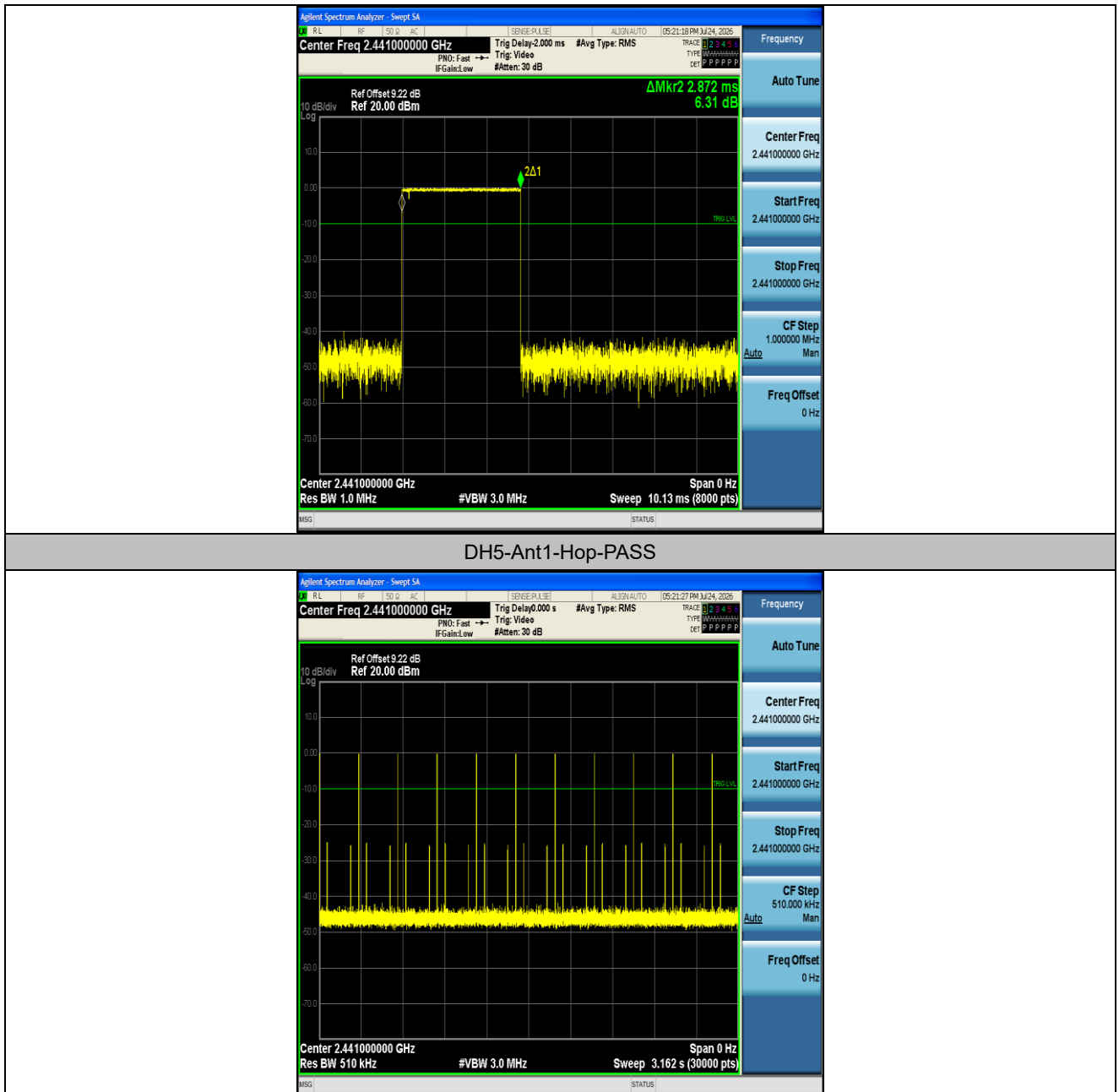
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.872	110	0.316	≤0.4	PASS
2DH5	Ant1	Hop	2.878	110	0.317	≤0.4	PASS
3DH5	Ant1	Hop	2.880	110	0.317	≤0.4	PASS

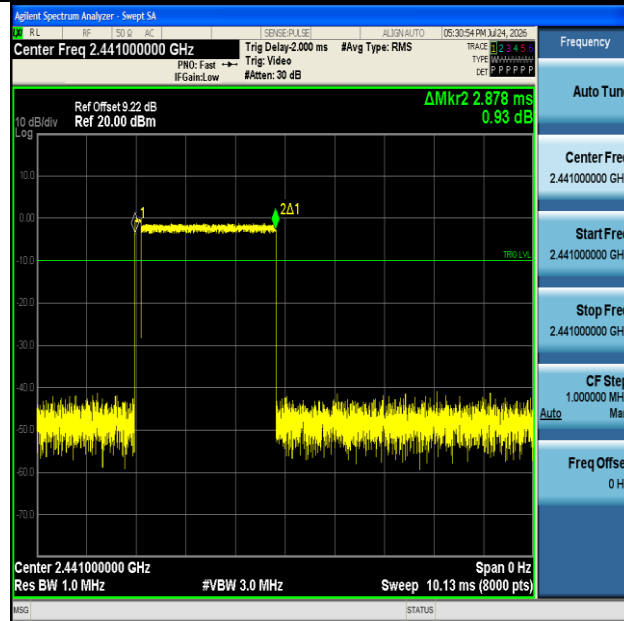
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



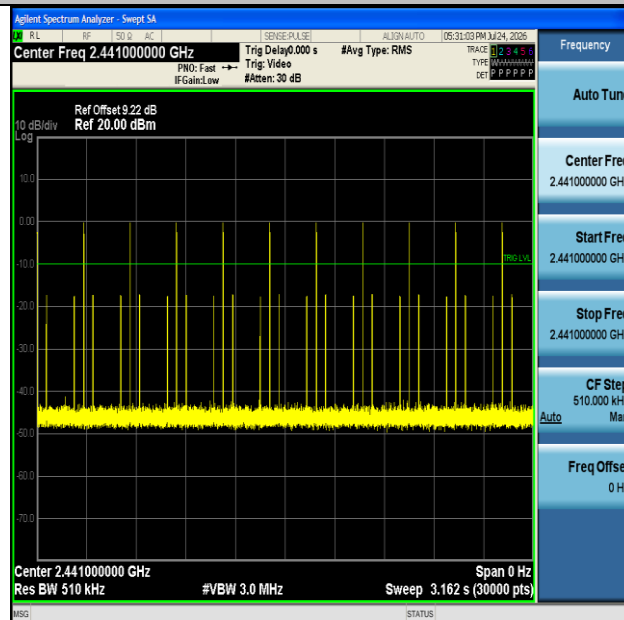


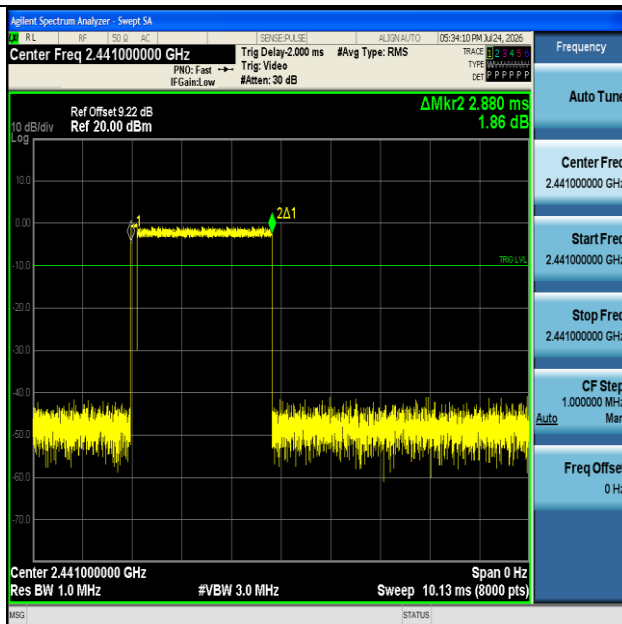
Test Graphs



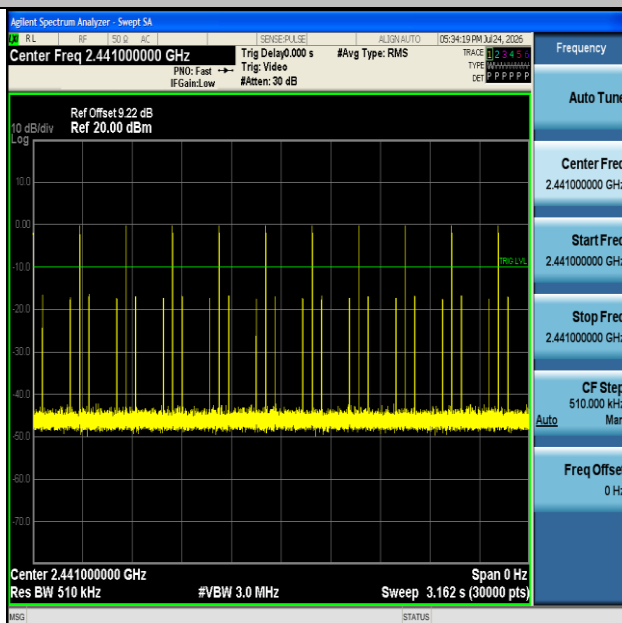


2DH5-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS





Appendix F: Number of hopping channels

Test Result

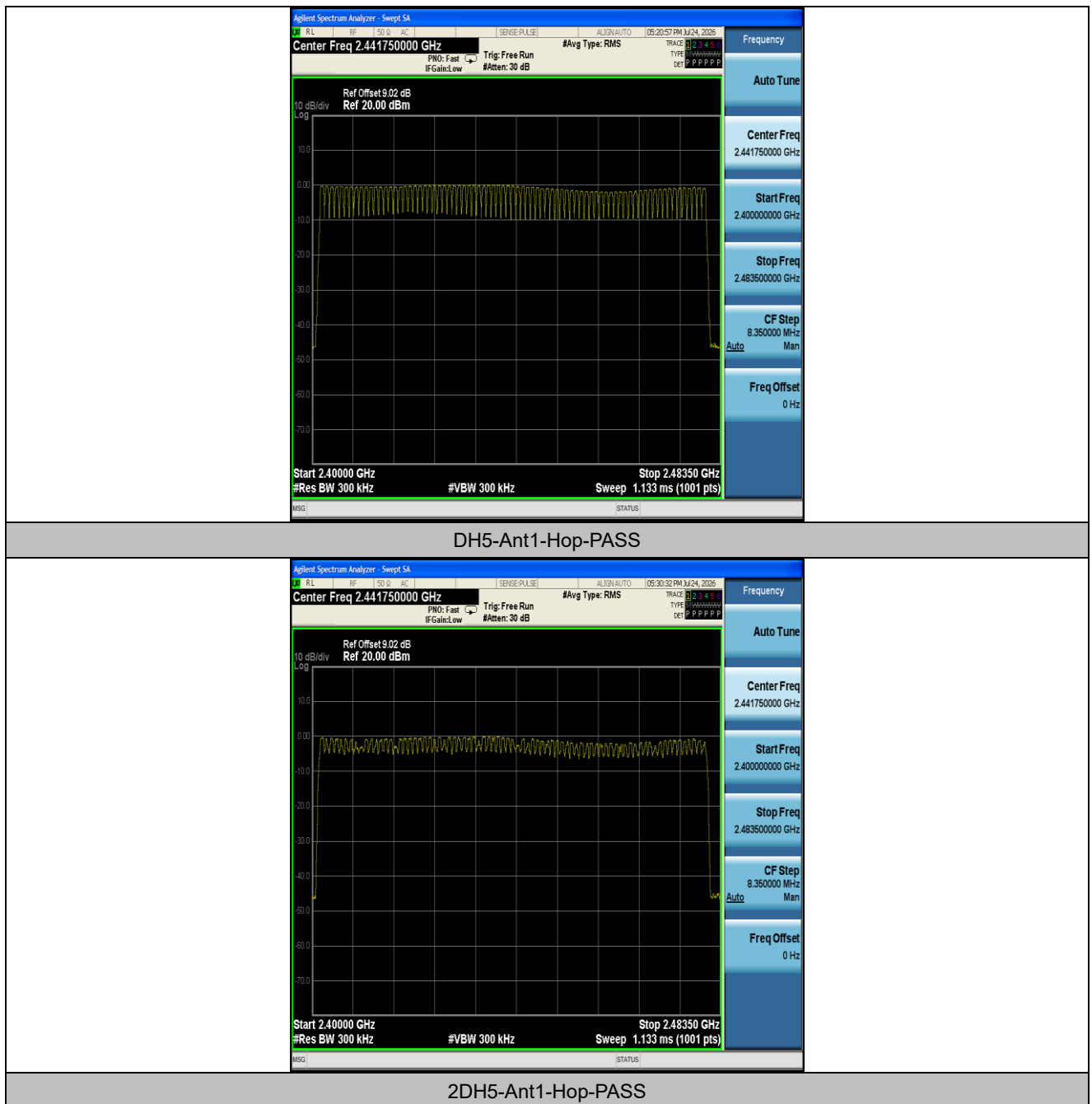
Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

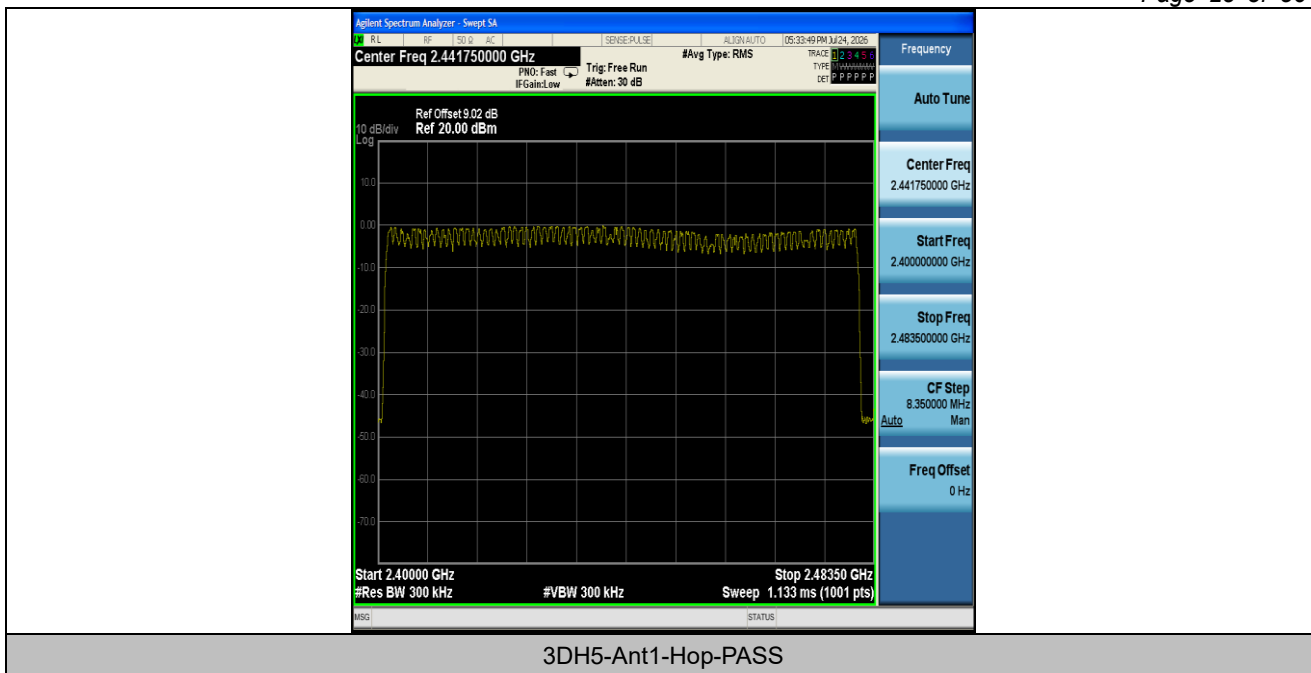
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix G: Band edge measurements

Test Result

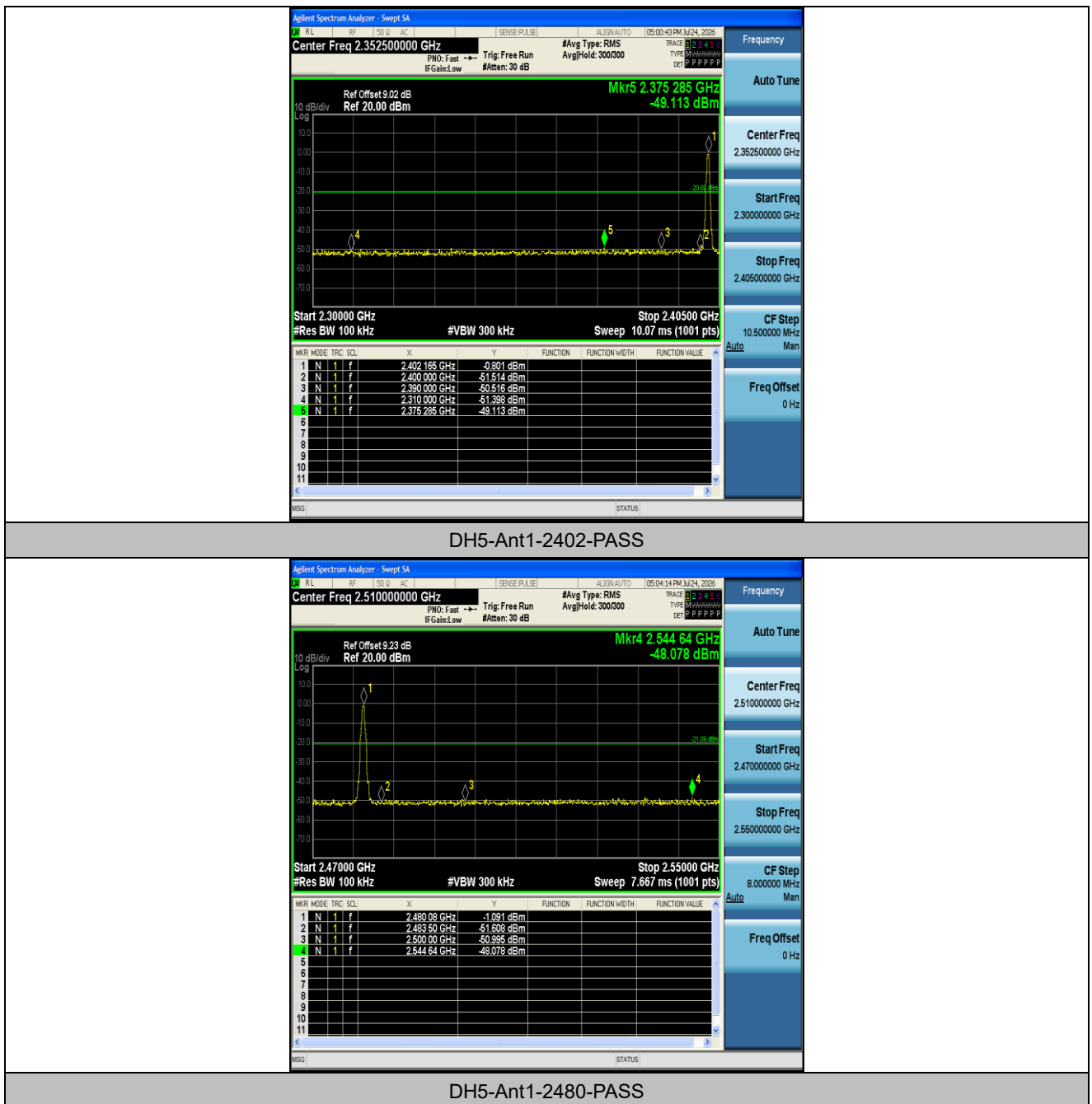
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.80	-49.11	≤-20.8	PASS
DH5	Ant1	High	2480	-1.09	-48.08	≤-21.09	PASS
DH5	Ant1	Low	Hop_2402	-1.43	-49.15	≤-21.43	PASS
DH5	Ant1	High	Hop_2480	-1.10	-47.63	≤-21.1	PASS
2DH5	Ant1	Low	2402	-1.28	-48.86	≤-21.28	PASS
2DH5	Ant1	High	2480	-1.79	-48.75	≤-21.79	PASS
2DH5	Ant1	Low	Hop_2402	-5.20	-48.47	≤-25.2	PASS
2DH5	Ant1	High	Hop_2480	-1.96	-48.57	≤-21.96	PASS
3DH5	Ant1	Low	2402	-0.68	-49.33	≤-20.68	PASS
3DH5	Ant1	High	2480	-0.85	-48.62	≤-20.85	PASS
3DH5	Ant1	Low	Hop_2402	-3.51	-49.24	≤-23.51	PASS
3DH5	Ant1	High	Hop_2480	-2.18	-47.8	≤-22.18	PASS

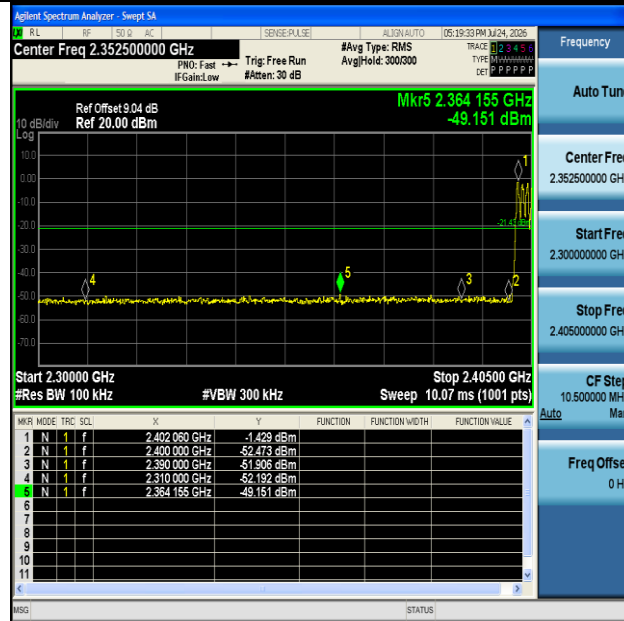
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



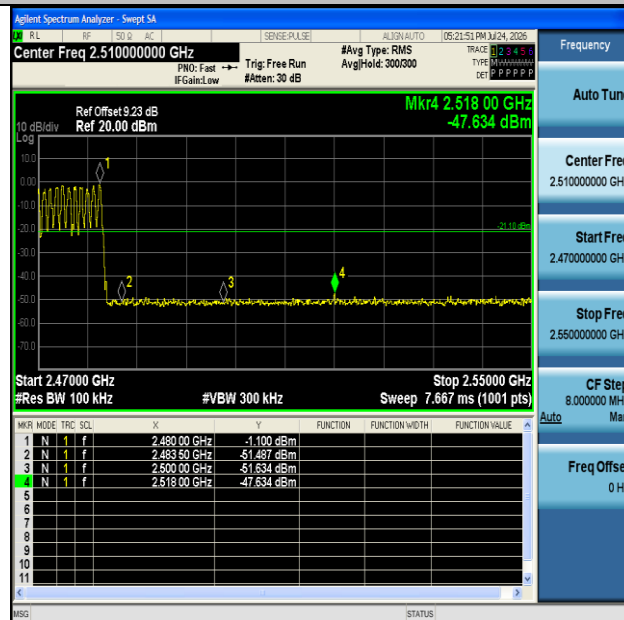


Test Graphs



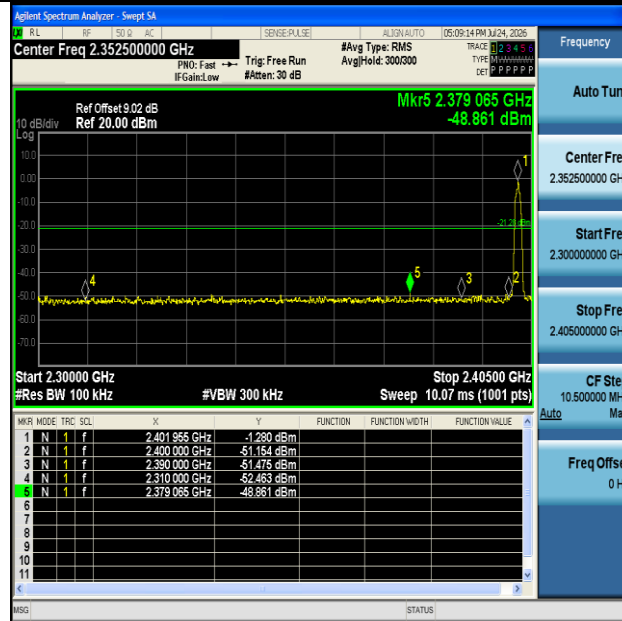


DH5-Ant1-Hop_2402-PASS

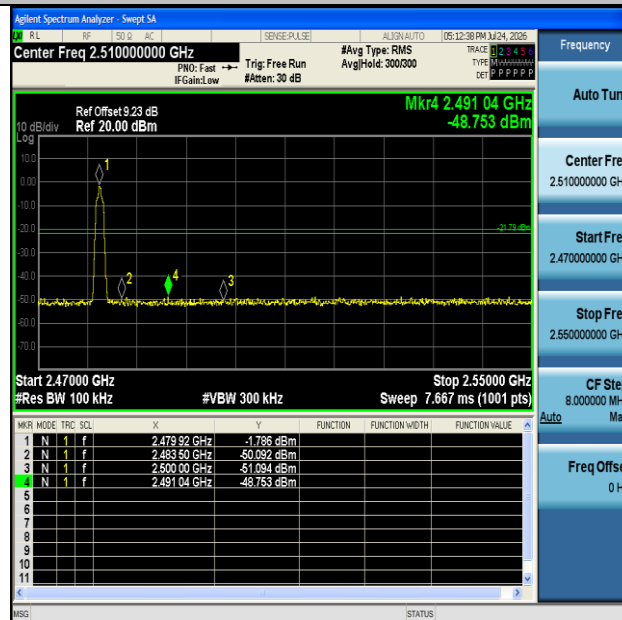


DH5-Ant1-Hop_2480-PASS



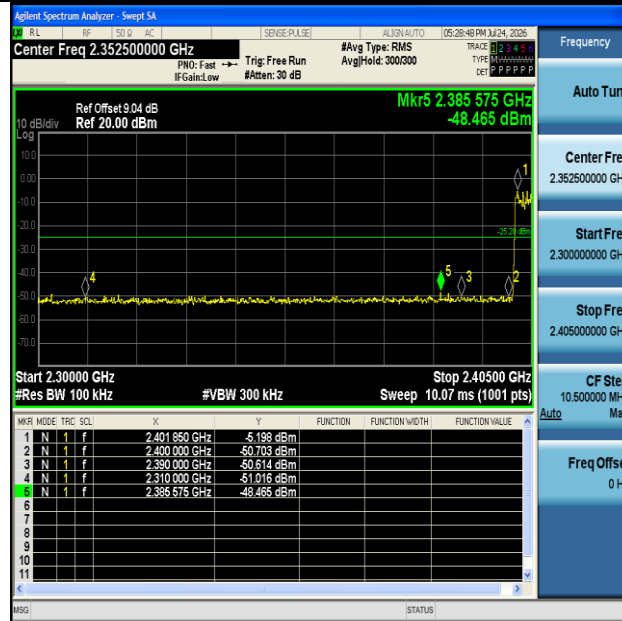


2DH5-Ant1-2402-PASS

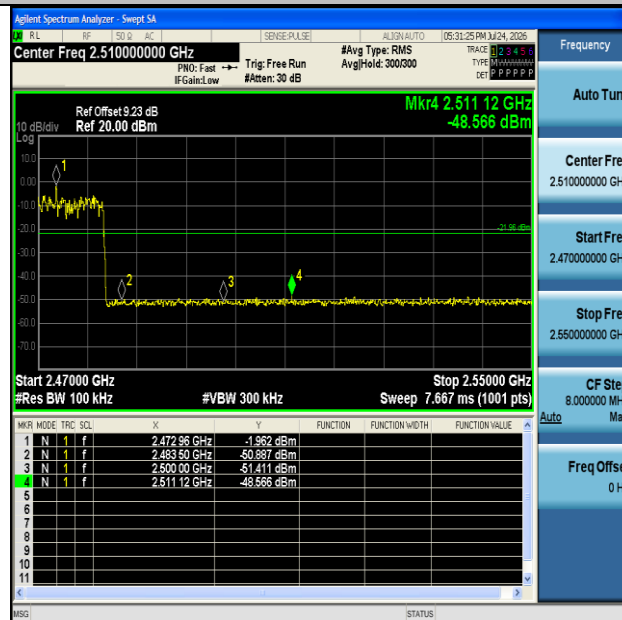


2DH5-Ant1-2480-PASS



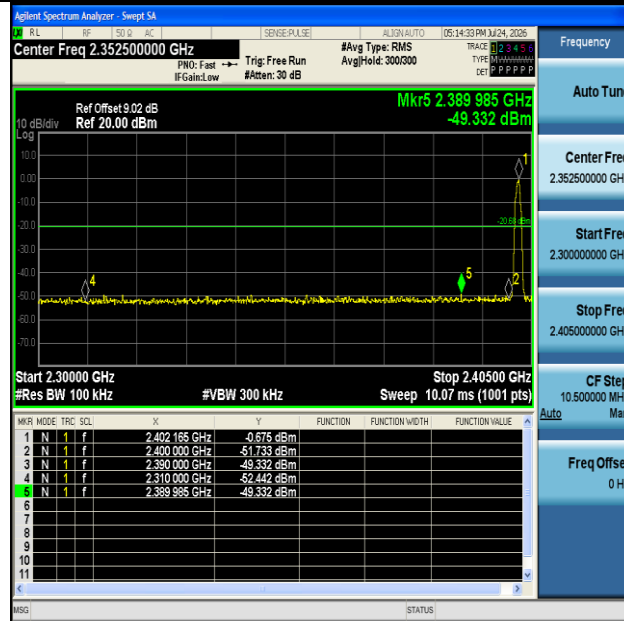


2DH5-Ant1-Hop_2402-PASS

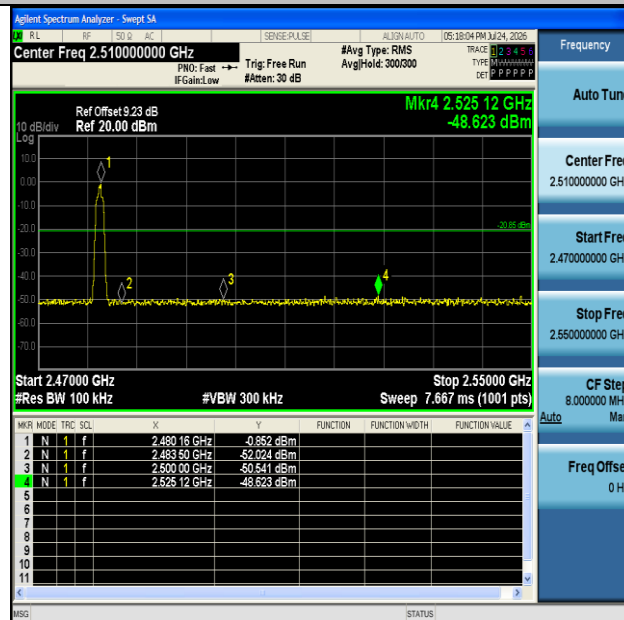


2DH5-Ant1-Hop_2480-PASS



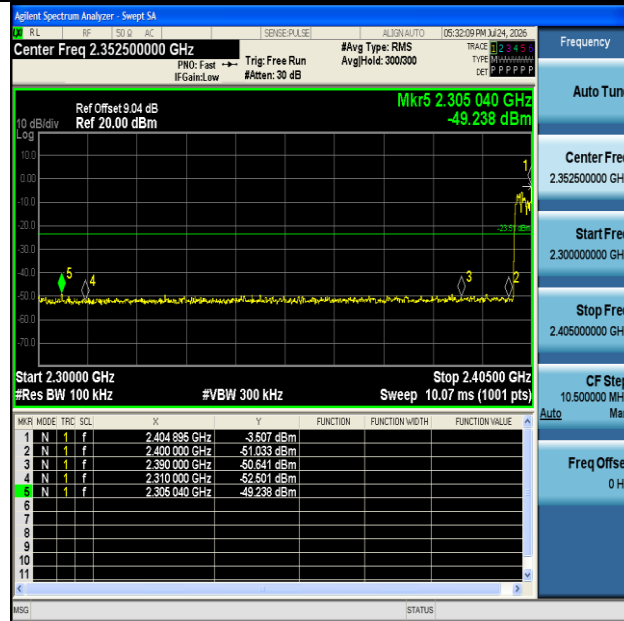


3DH5-Ant1-2402-PASS

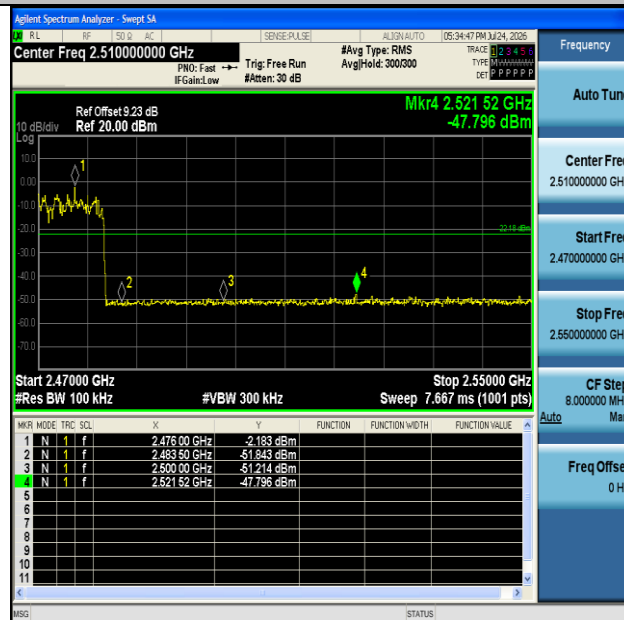


3DH5-Ant1-2480-PASS





3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS





Appendix H: Conducted Spurious Emission

Test Result

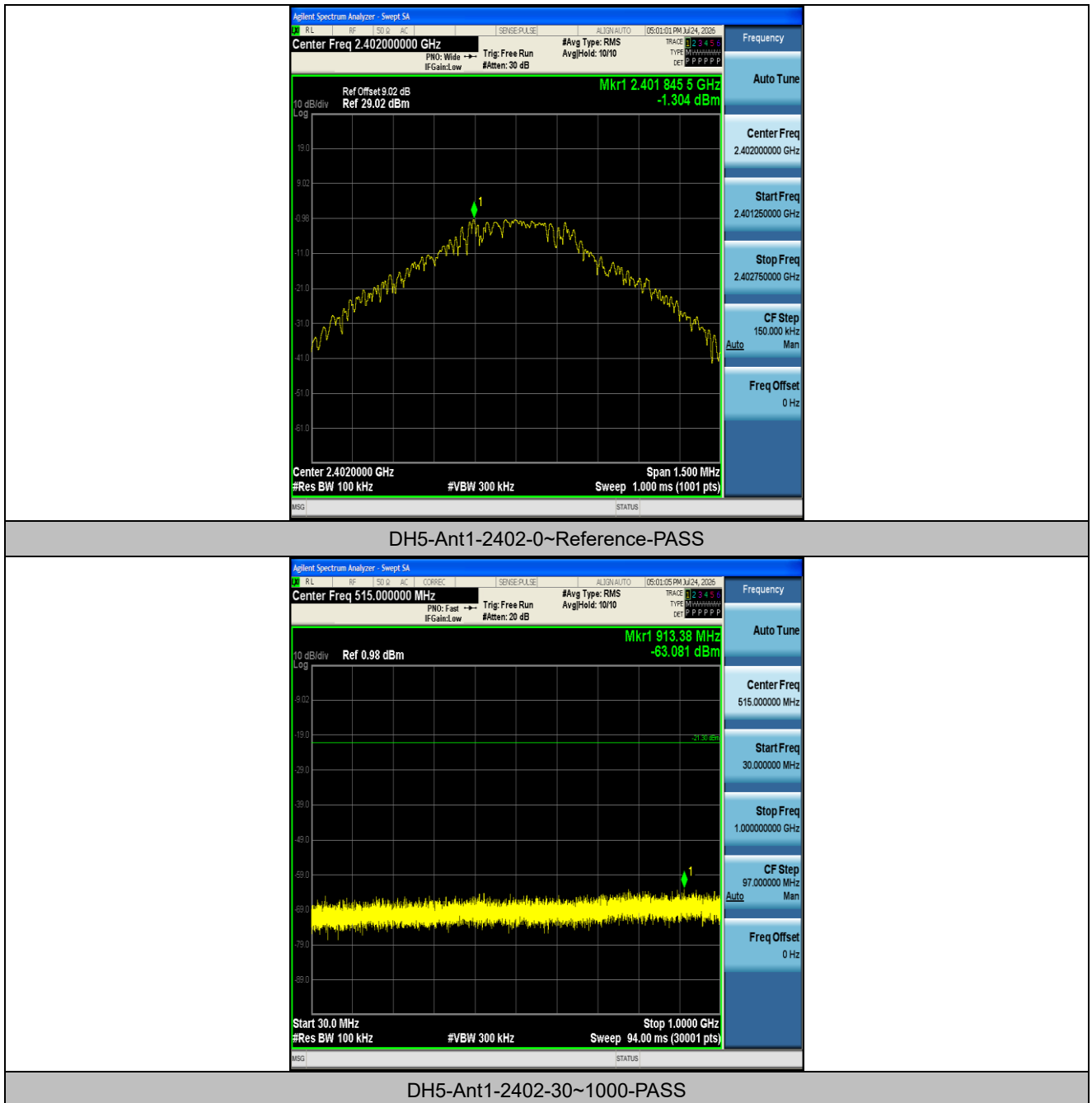
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-1.30	-1.30	---	PASS
DH5	Ant1	2402	30~1000	-1.30	-63.08	≤-21.3	PASS
DH5	Ant1	2402	1000~26500	-1.30	-37.49	≤-21.3	PASS
DH5	Ant1	2441	0~Reference	-0.85	-0.85	---	PASS
DH5	Ant1	2441	30~1000	-0.85	-62.22	≤-20.85	PASS
DH5	Ant1	2441	1000~26500	-0.85	-37.9	≤-20.85	PASS
DH5	Ant1	2480	0~Reference	-1.53	-1.53	---	PASS
DH5	Ant1	2480	30~1000	-1.53	-63	≤-21.53	PASS
DH5	Ant1	2480	1000~26500	-1.53	-37.77	≤-21.53	PASS
2DH5	Ant1	2402	0~Reference	-4.59	-4.59	---	PASS
2DH5	Ant1	2402	30~1000	-4.59	-62.93	≤-24.59	PASS
2DH5	Ant1	2402	1000~26500	-4.59	-37.94	≤-24.59	PASS
2DH5	Ant1	2441	0~Reference	-2.18	-2.18	---	PASS
2DH5	Ant1	2441	30~1000	-2.18	-61.55	≤-22.18	PASS
2DH5	Ant1	2441	1000~26500	-2.18	-37.24	≤-22.18	PASS
2DH5	Ant1	2480	0~Reference	-0.98	-0.98	---	PASS
2DH5	Ant1	2480	30~1000	-0.98	-62.05	≤-20.98	PASS
2DH5	Ant1	2480	1000~26500	-0.98	-37.38	≤-20.98	PASS
3DH5	Ant1	2402	0~Reference	-5.08	-5.08	---	PASS
3DH5	Ant1	2402	30~1000	-5.08	-62.64	≤-25.08	PASS
3DH5	Ant1	2402	1000~26500	-5.08	-37.12	≤-25.08	PASS
3DH5	Ant1	2441	0~Reference	-5.12	-5.12	---	PASS
3DH5	Ant1	2441	30~1000	-5.12	-62.81	≤-25.12	PASS
3DH5	Ant1	2441	1000~26500	-5.12	-37.66	≤-25.12	PASS
3DH5	Ant1	2480	0~Reference	-1.86	-1.86	---	PASS
3DH5	Ant1	2480	30~1000	-1.86	-62.16	≤-21.86	PASS
3DH5	Ant1	2480	1000~26500	-1.86	-37.78	≤-21.86	PASS

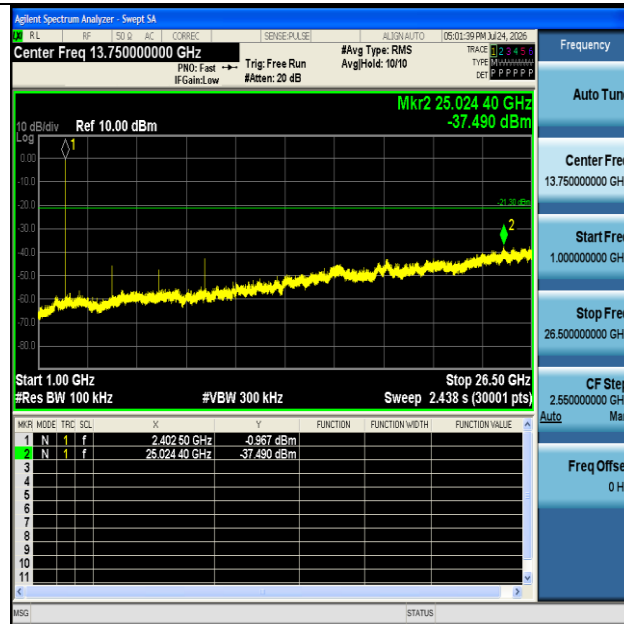
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.



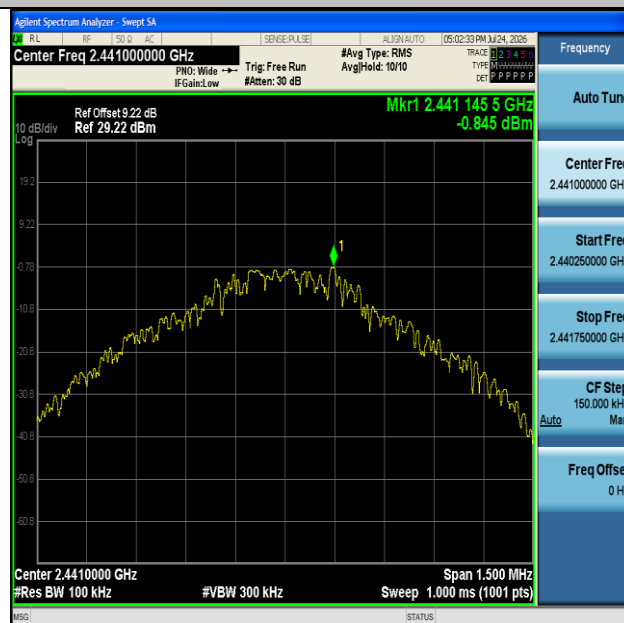


Test Graphs



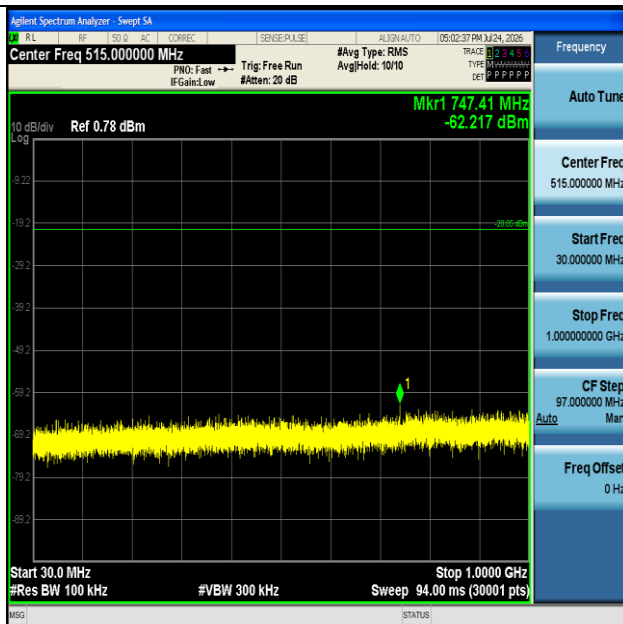


DH5-Ant1-2402-1000~26500-PASS

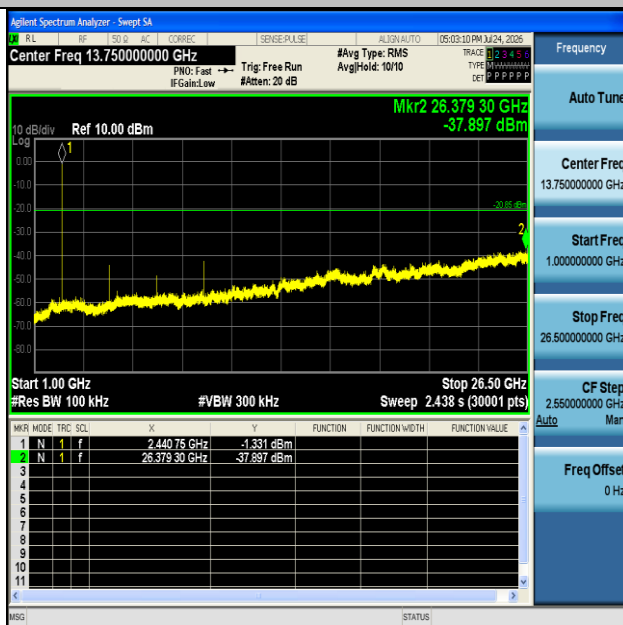


DH5-Ant1-2441-0~Reference-PASS





DH5-Ant1-2441-30~1000-PASS

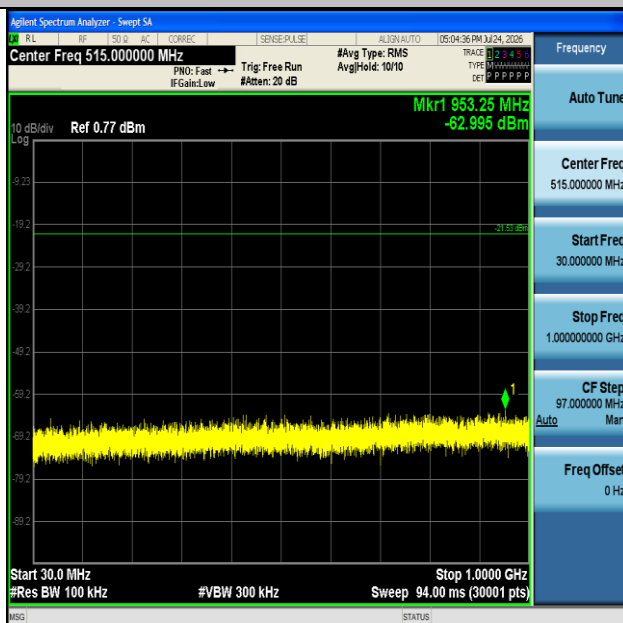


DH5-Ant1-2441-1000~26500-PASS





DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



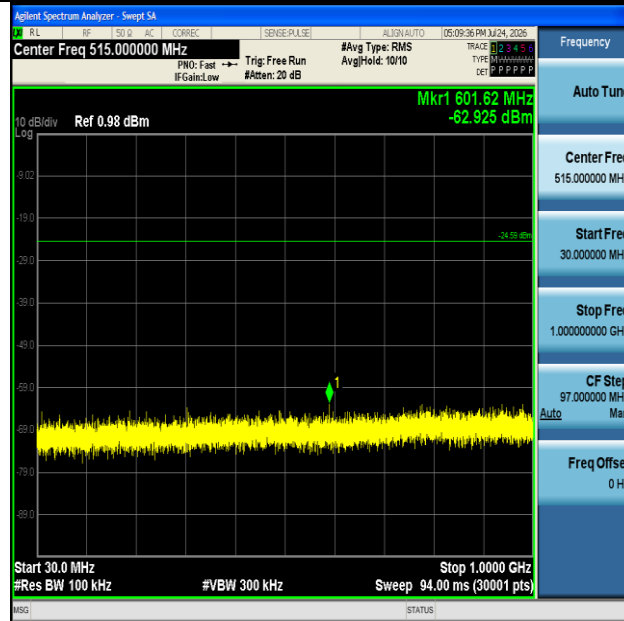


DH5-Ant1-2480-1000~26500-PASS



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





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

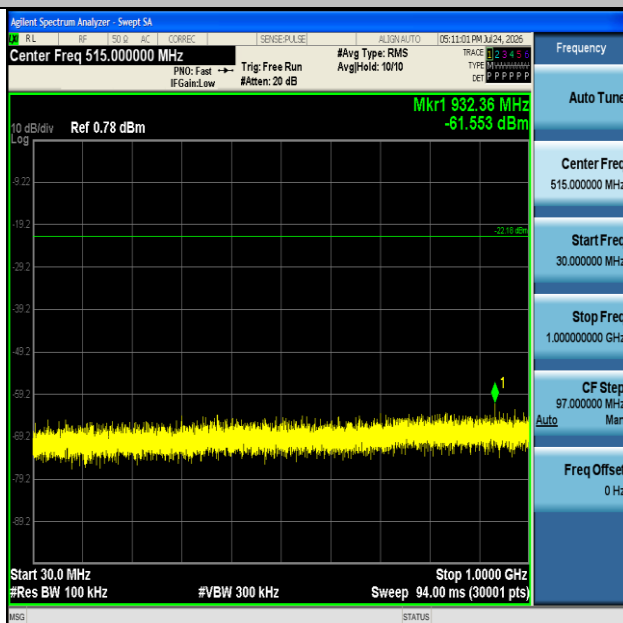


2DH5-Ant1-2402-1000~26500-PASS



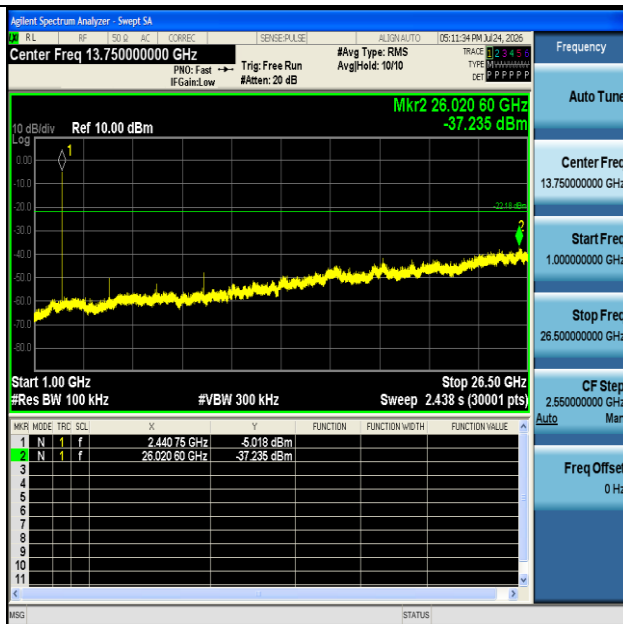


2DH5-Ant1-2441-0~Reference-PASS

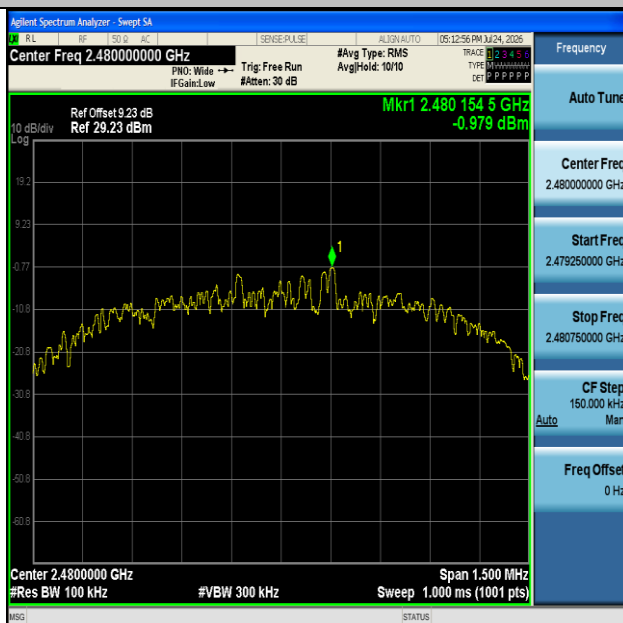


2DH5-Ant1-2441-30~1000-PASS



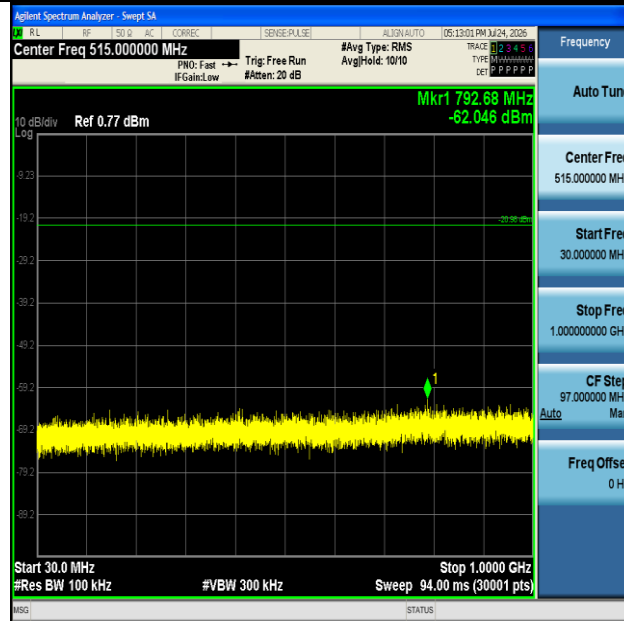


2DH5-Ant1-2441-1000~26500-PASS



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





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

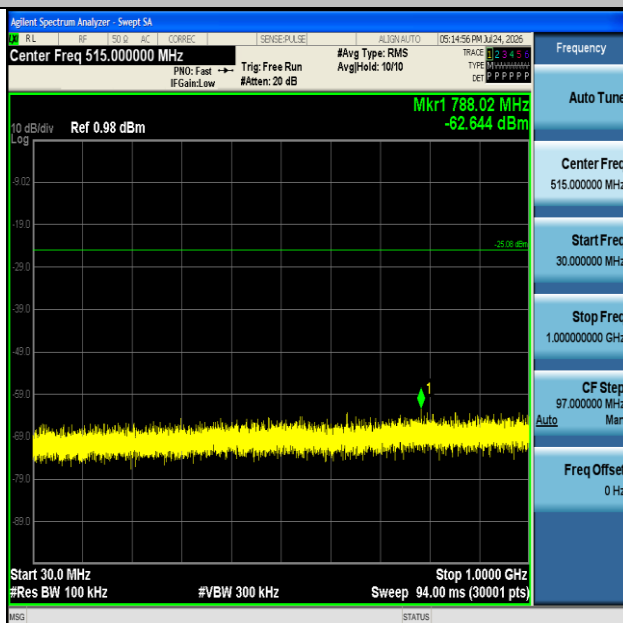


2DH5-Ant1-2480-1000~26500-PASS





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

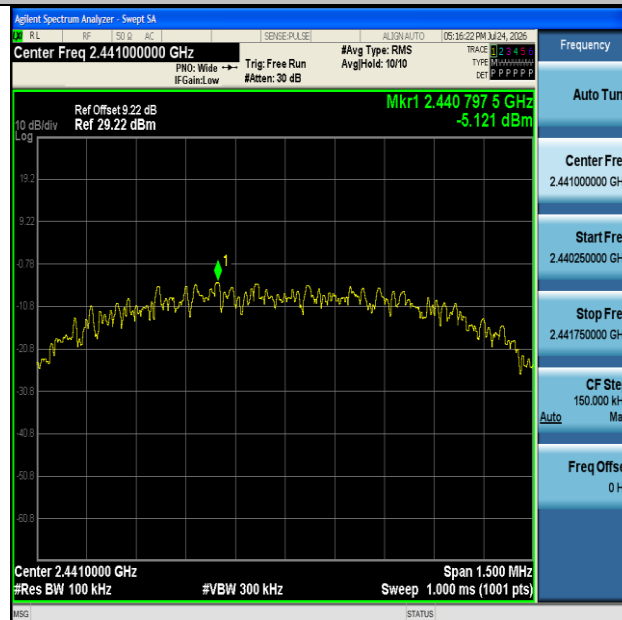


3DH5-Ant1-2402-30~1000-PASS



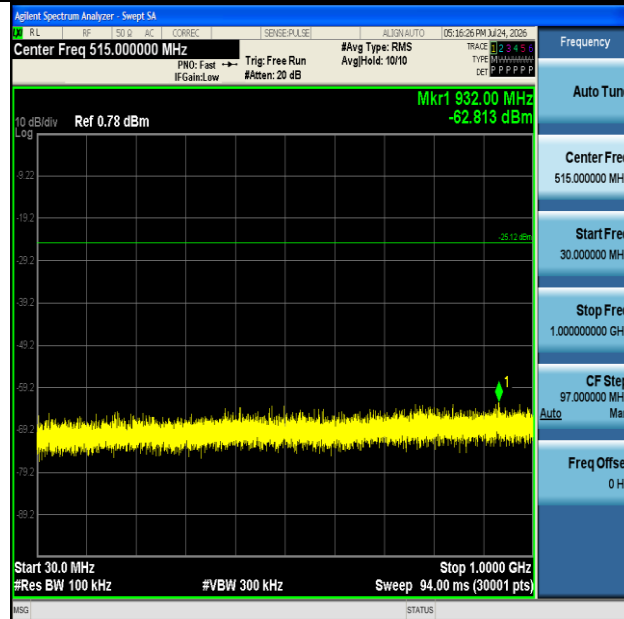


3DH5-Ant1-2402-1000~26500-PASS



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



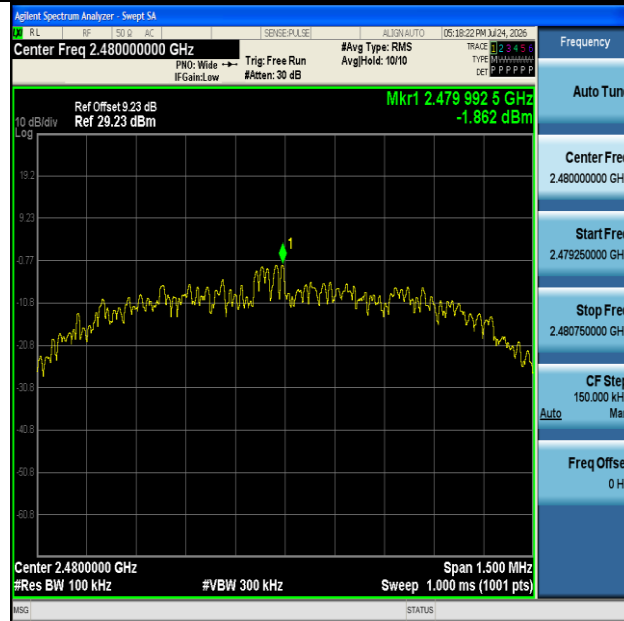


3DH5-Ant1-2441-30~1000-PASS

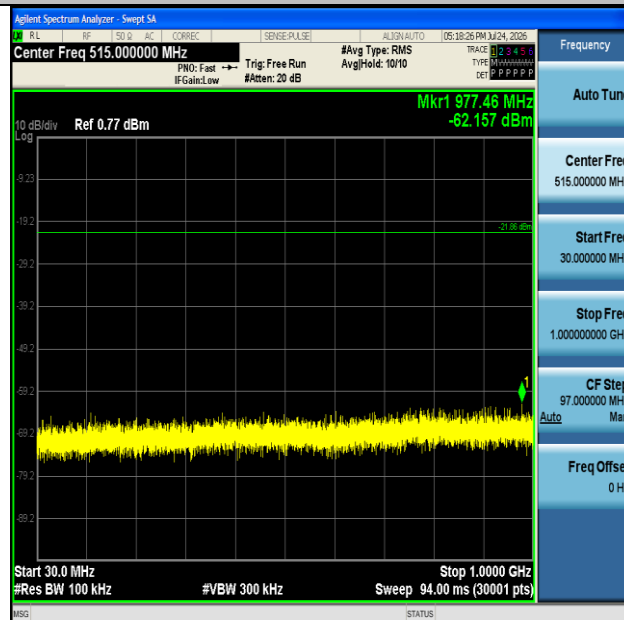


3DH5-Ant1-2441-1000~26500-PASS



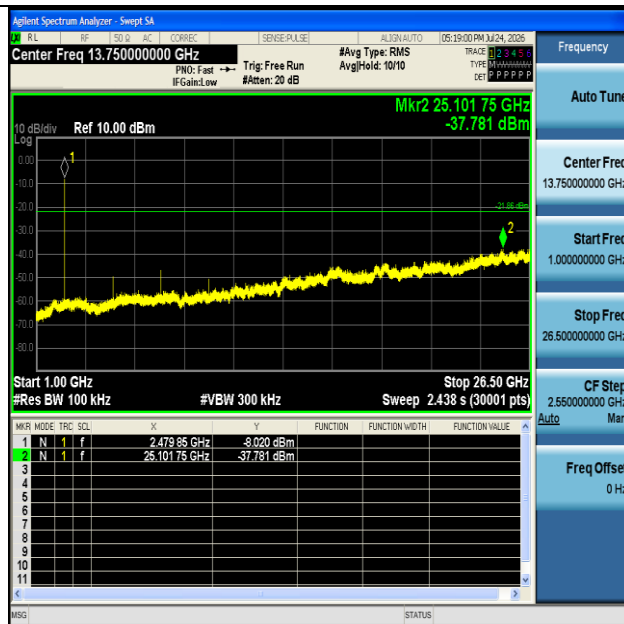


3DH5-Ant1-2480-0~Reference-PASS



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





3DH5-Ant1-2480-1000~26500-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	2.87	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	2.88	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
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	2.89	3.75	77.07	1.13

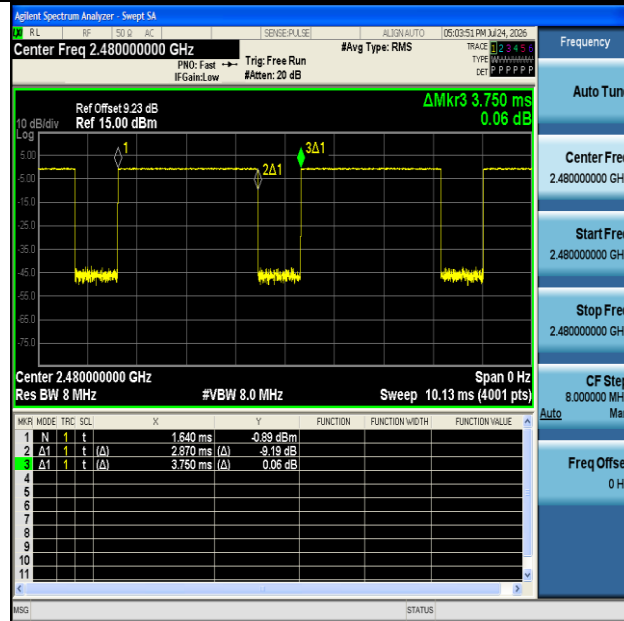
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



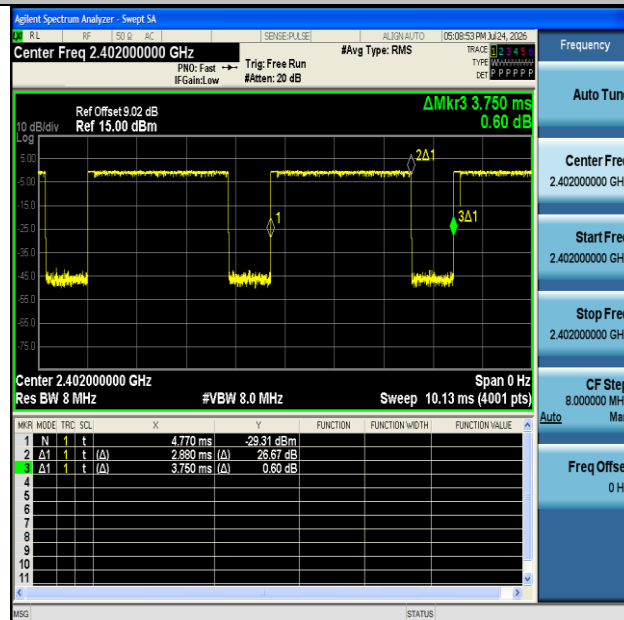


Test Graphs





NTNV-DH5-Ant1-2480

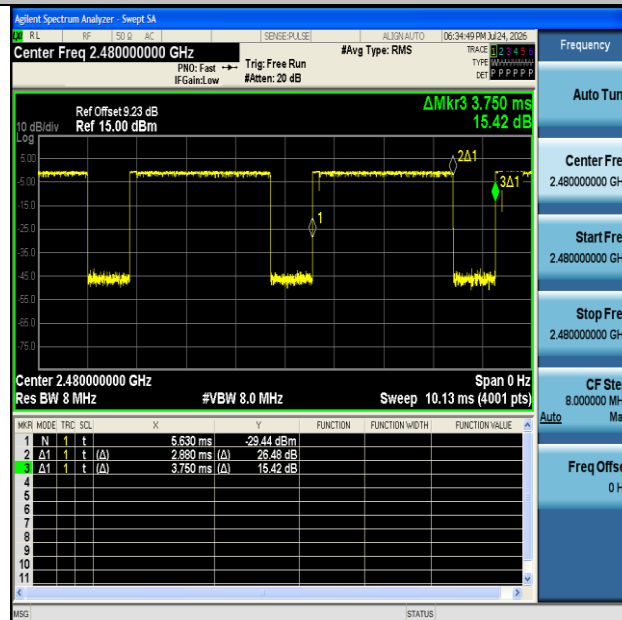


NTNV-2DH5-Ant1-2402





NTNV-2DH5-Ant1-2441

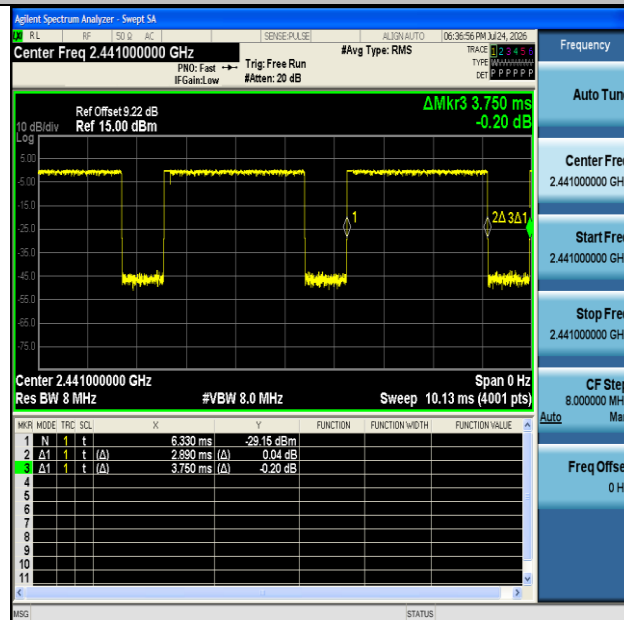


NTNV-2DH5-Ant1-2480



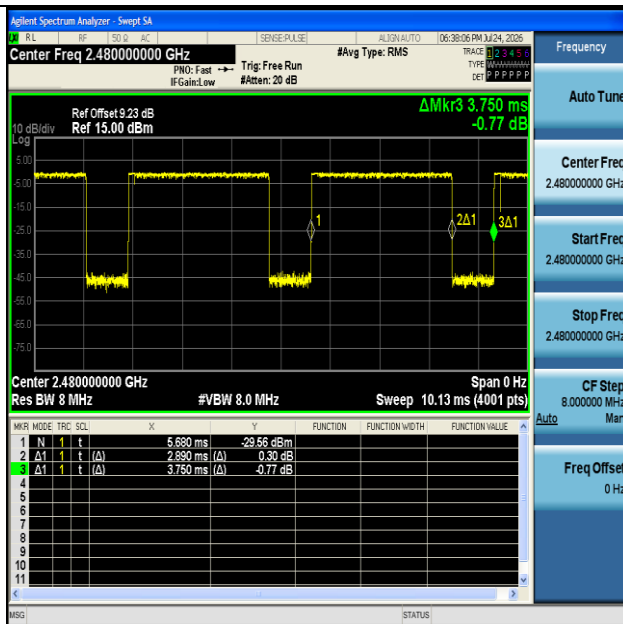


NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441





NTNV-3DH5-Ant1-2480

