



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

Product Name: OVO Air Wireless Headphone

Trade Mark: RELOD

Test Model: OVO Air

FCC ID: 2BVRT-OVOAIR

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	0.957	2401.529	2402.486	---	---
DH5	Ant1	2441	0.957	2440.535	2441.492	---	---
DH5	Ant1	2480	0.963	2479.526	2480.489	---	---
2DH5	Ant1	2402	1.323	2401.334	2402.657	---	---
2DH5	Ant1	2441	1.269	2440.376	2441.645	---	---
2DH5	Ant1	2480	1.317	2479.340	2480.657	---	---

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





Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402





2DH5-Ant1-2441



2DH5-Ant1-2480





Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.87796	2401.5578	2402.4357	---	---
DH5	Ant1	2441	0.85179	2440.5684	2441.4202	---	---
DH5	Ant1	2480	0.87020	2479.5637	2480.4339	---	---
2DH5	Ant1	2402	1.1836	2401.4040	2402.5876	---	---
2DH5	Ant1	2441	1.1959	2440.4017	2441.5976	---	---
2DH5	Ant1	2480	1.1803	2479.4065	2480.5868	---	---

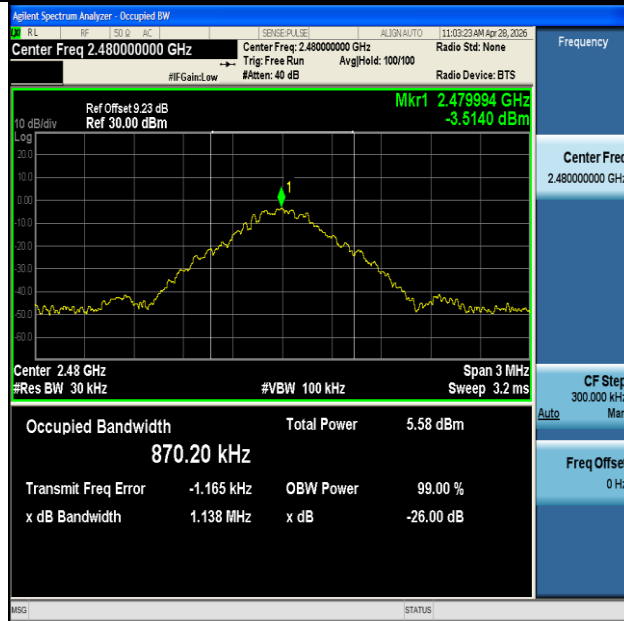
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



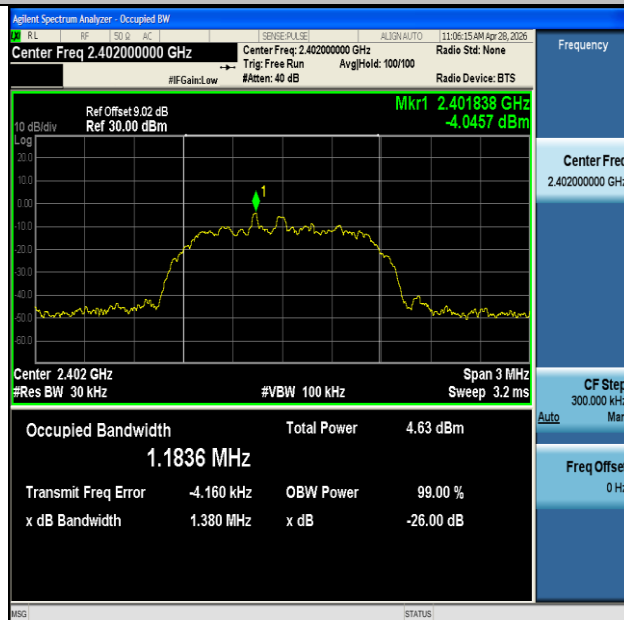


Test Graphs



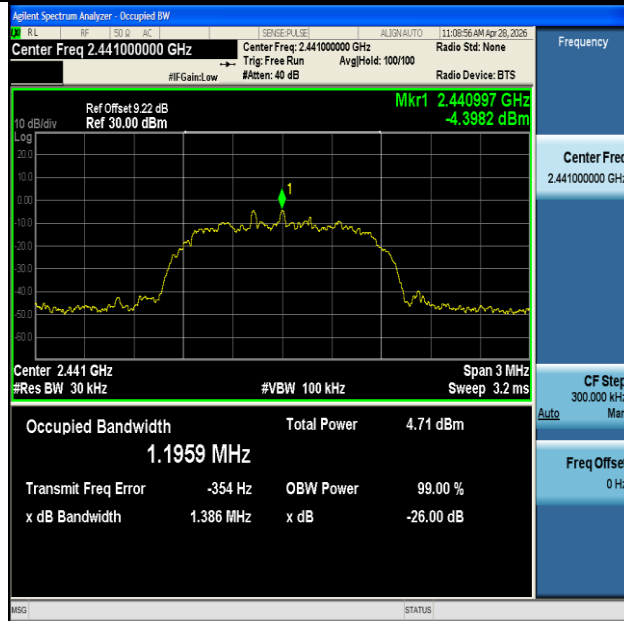


DH5-Ant1-2480

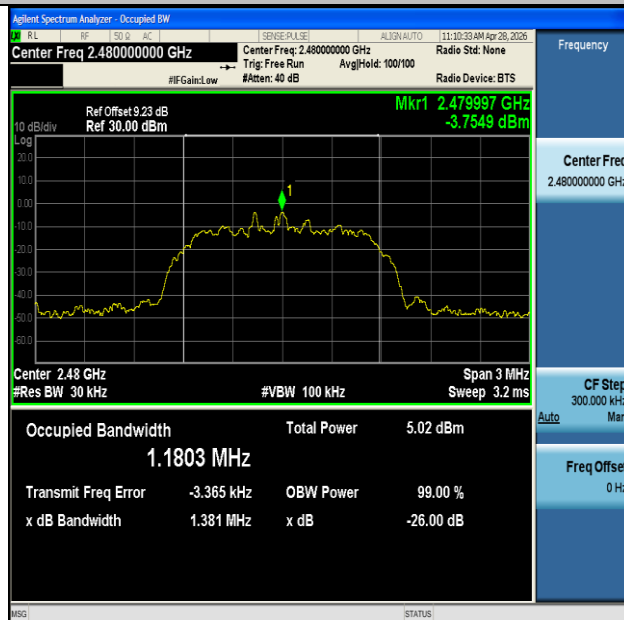


2DH5-Ant1-2402





2DH5-Ant1-2441



2DH5-Ant1-2480





Appendix C: Maximum peak conducted output power

Test Result

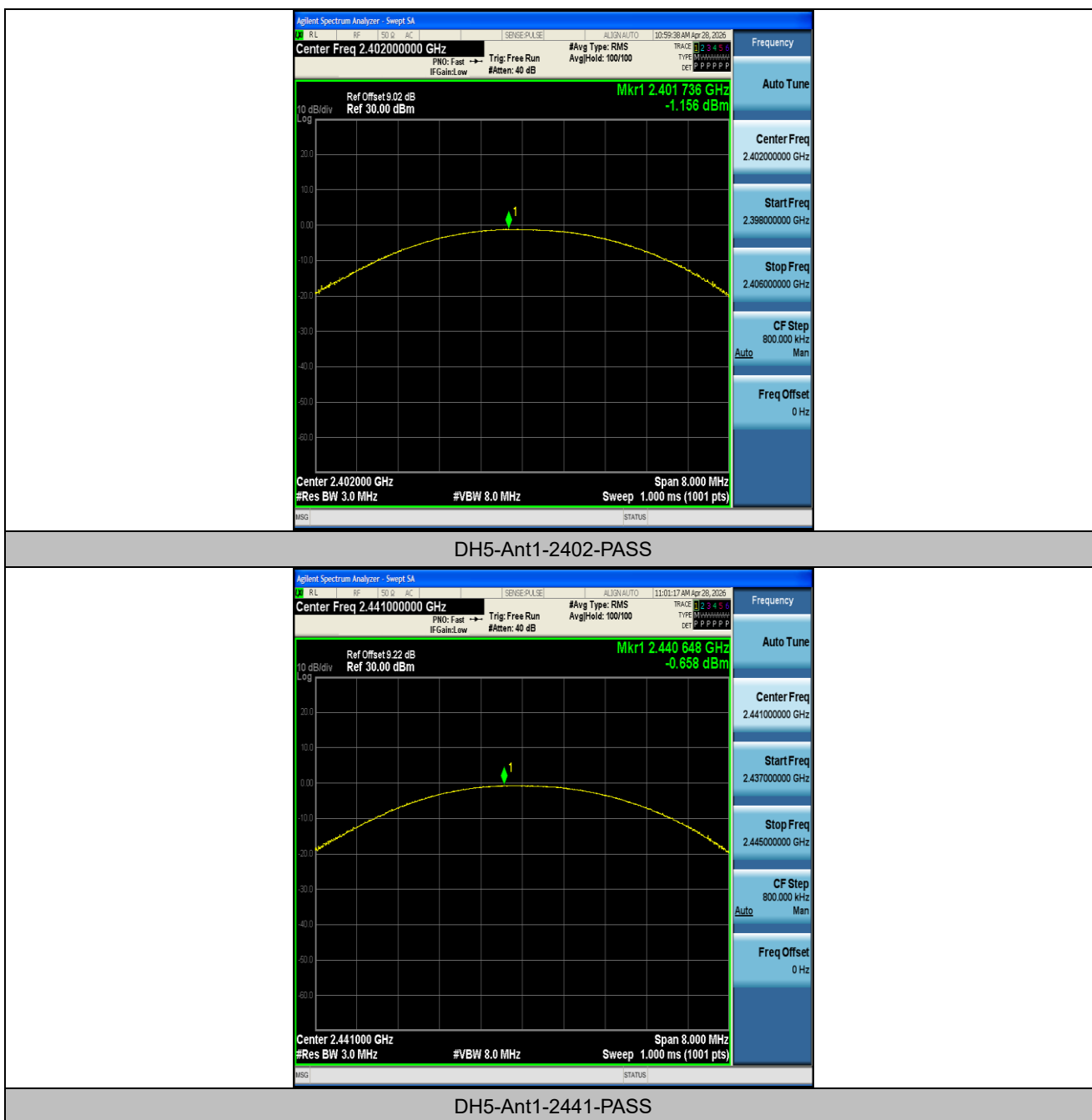
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-1.16	≤30	PASS
DH5	Ant1	2441	-0.66	≤30	PASS
DH5	Ant1	2480	-0.91	≤30	PASS
2DH5	Ant1	2402	-0.39	≤20.97	PASS
2DH5	Ant1	2441	-0.01	≤20.97	PASS
2DH5	Ant1	2480	-0.22	≤20.97	PASS

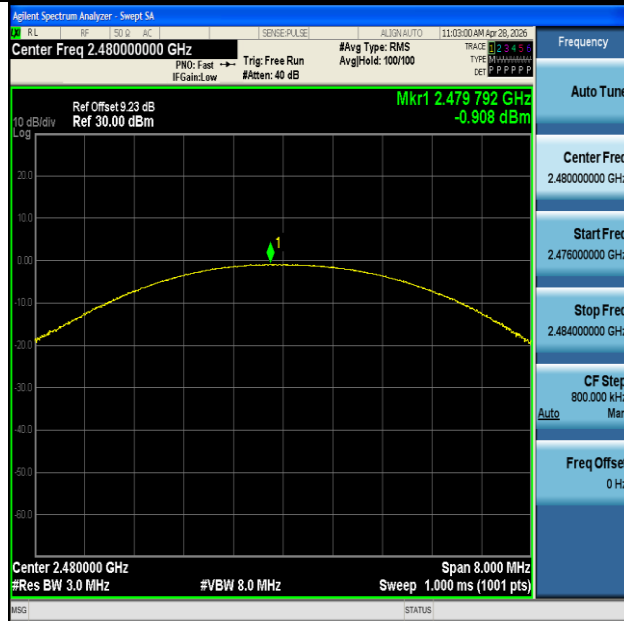
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs



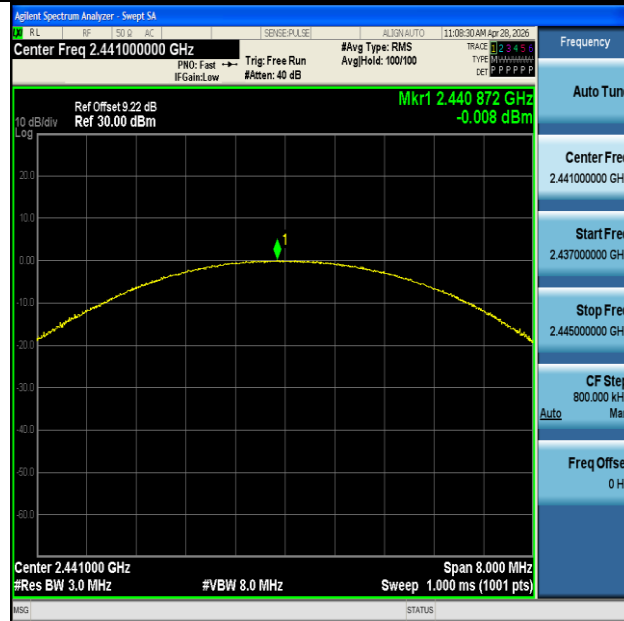


DH5-Ant1-2480-PASS

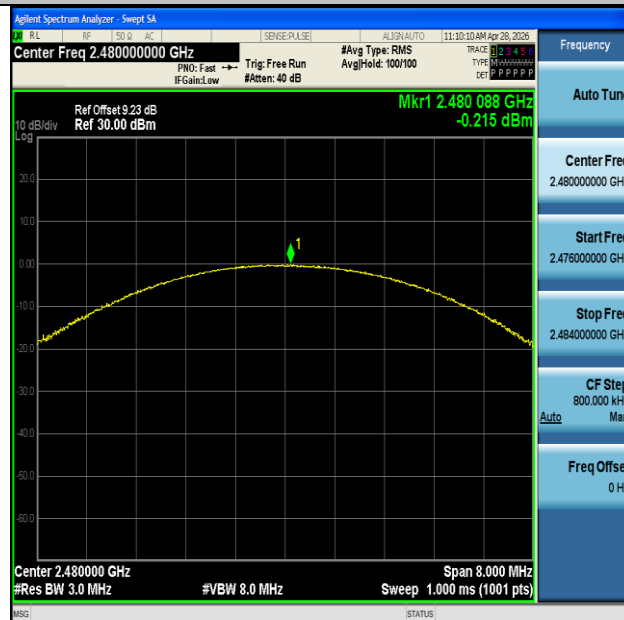


2DH5-Ant1-2402-PASS





2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS





Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1	≥ 0.963	PASS
2DH5	Ant1	Hop	0.982	≥ 0.882	PASS

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





Test Graphs





Appendix E: Time of occupancy

Test Result

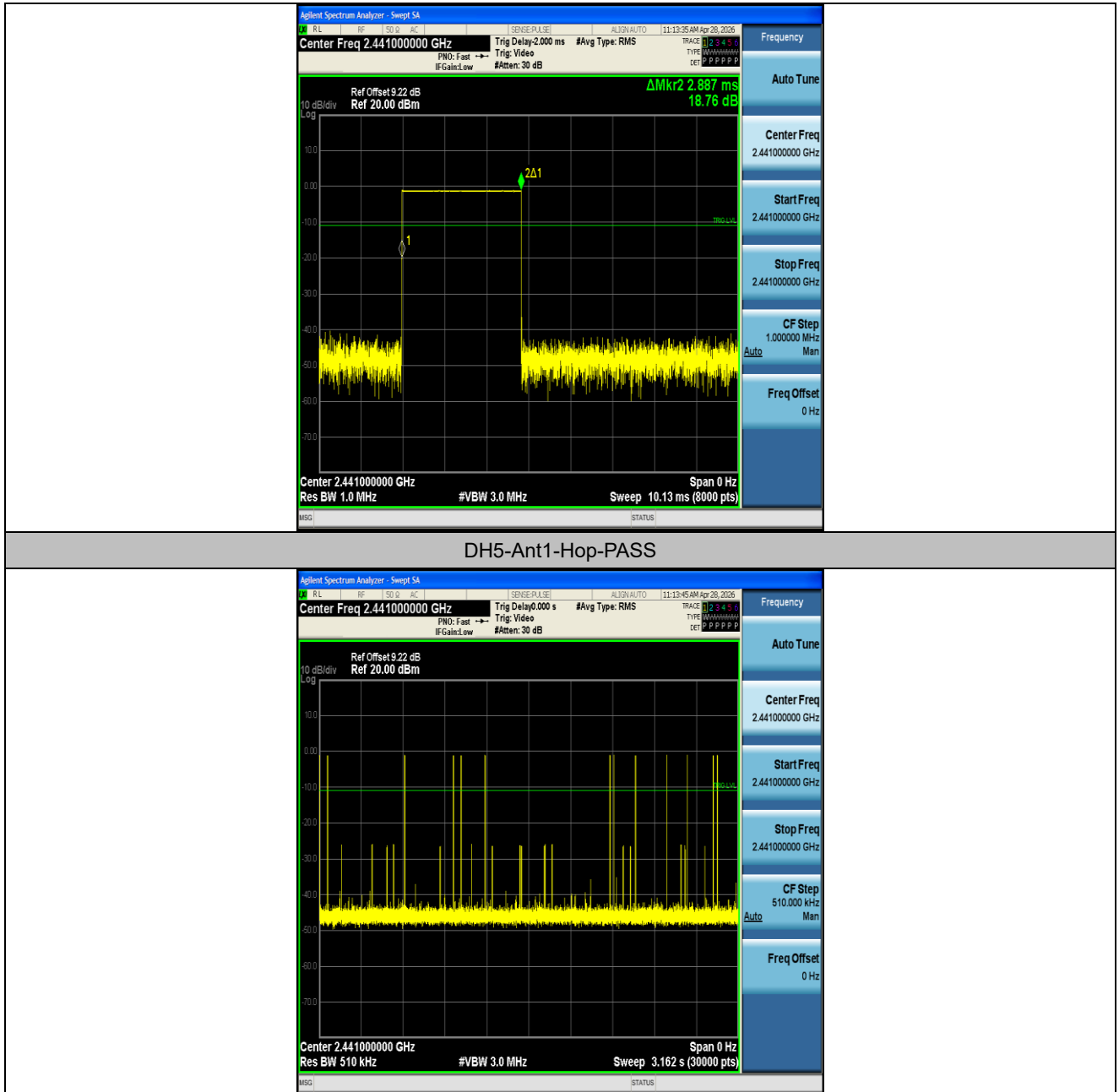
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.887	130	0.375	≤0.4	PASS
2DH5	Ant1	Hop	2.891	70	0.202	≤0.4	PASS

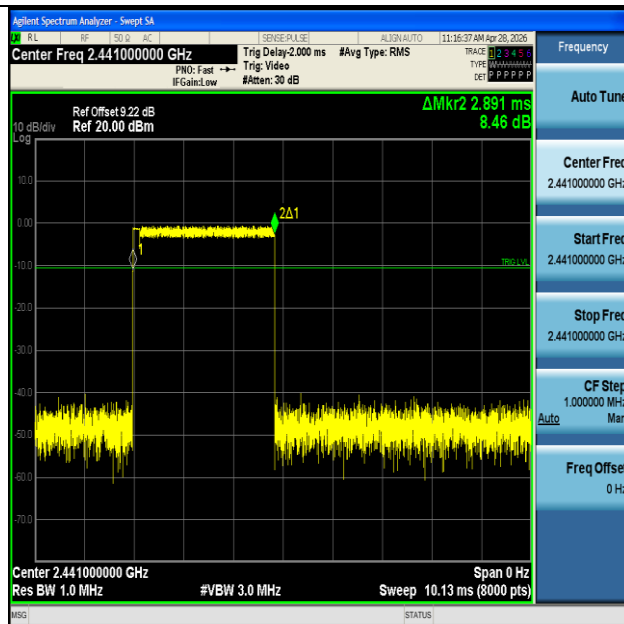
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



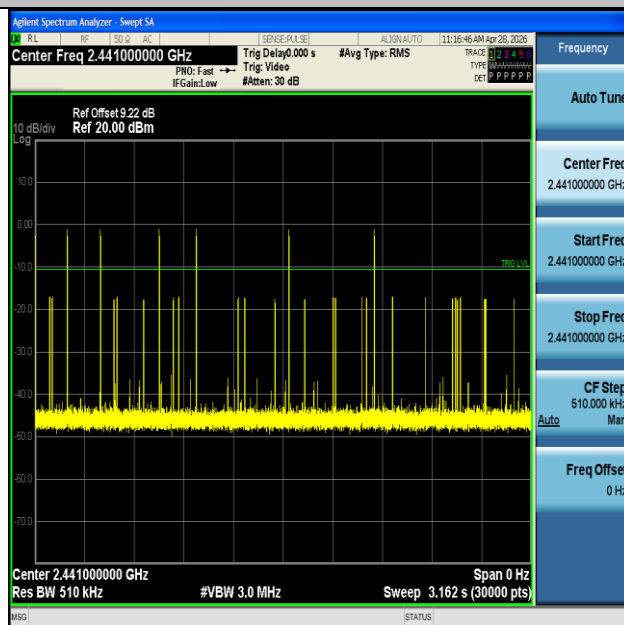


Test Graphs





2DH5-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

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





Test Graphs





Appendix G: Band edge measurements

Test Result

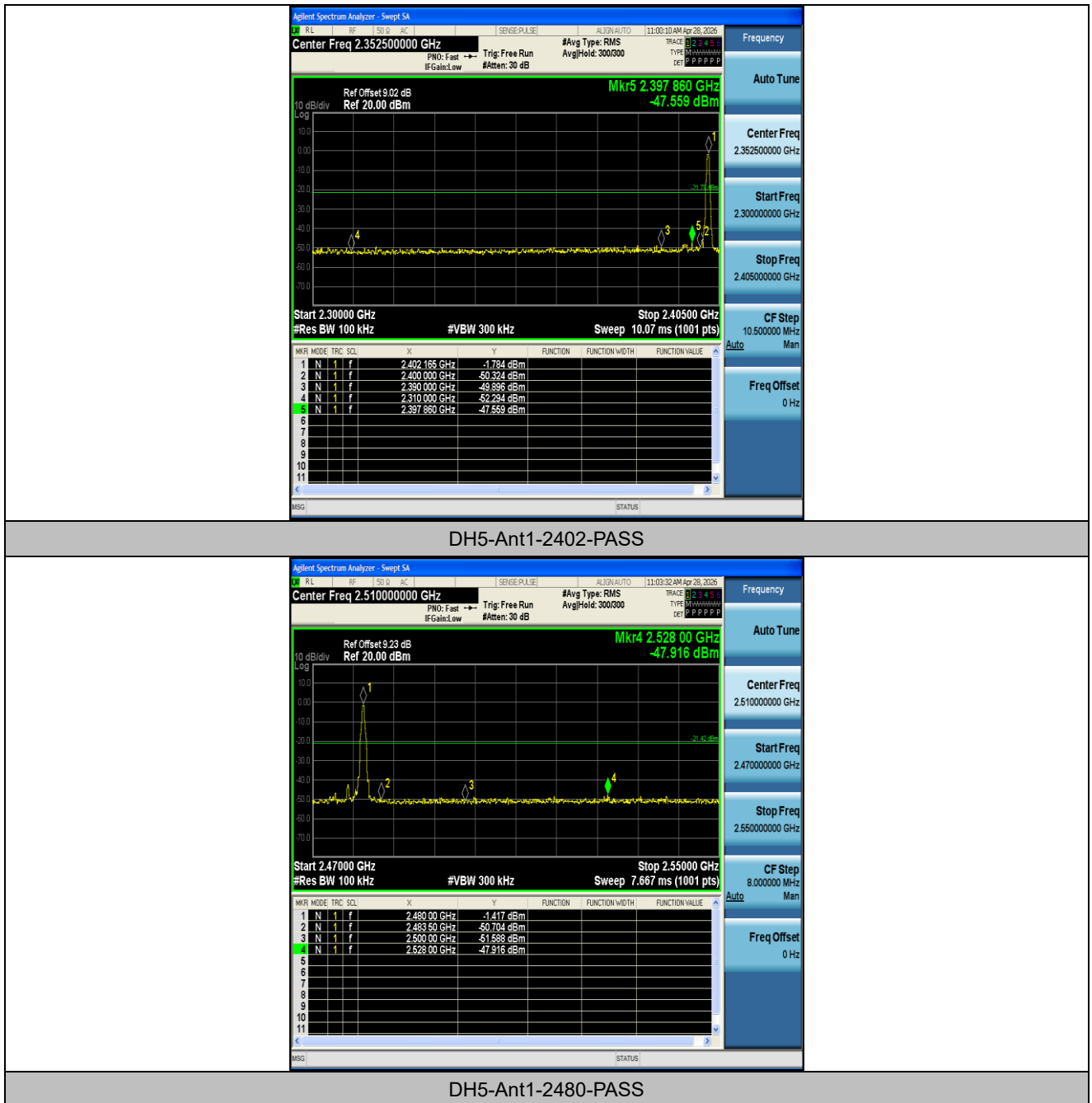
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.78	-47.56	≤ -21.78	PASS
DH5	Ant1	High	2480	-1.42	-47.92	≤ -21.42	PASS
DH5	Ant1	Low	Hop_2402	-1.66	-48.84	≤ -21.66	PASS
DH5	Ant1	High	Hop_2480	-1.67	-44.78	≤ -21.67	PASS
2DH5	Ant1	Low	2402	-1.57	-48.32	≤ -21.57	PASS
2DH5	Ant1	High	2480	-1.34	-47.25	≤ -21.34	PASS
2DH5	Ant1	Low	Hop_2402	-6.39	-48.97	≤ -26.39	PASS
2DH5	Ant1	High	Hop_2480	-2.14	-47.58	≤ -22.14	PASS

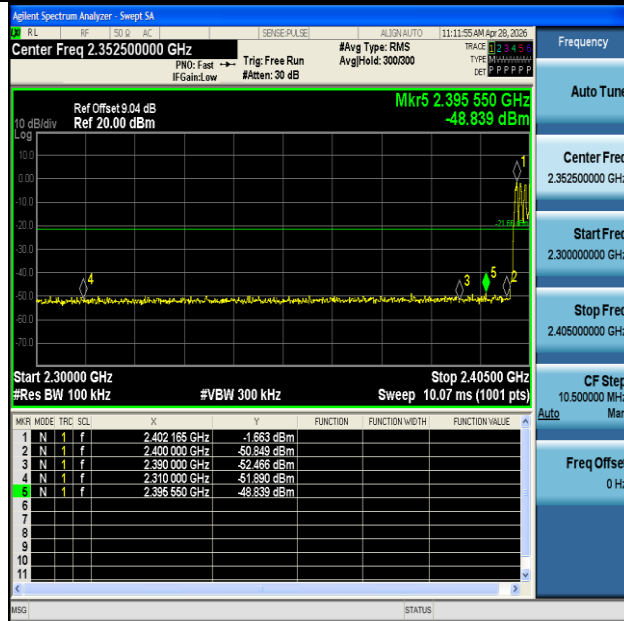
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



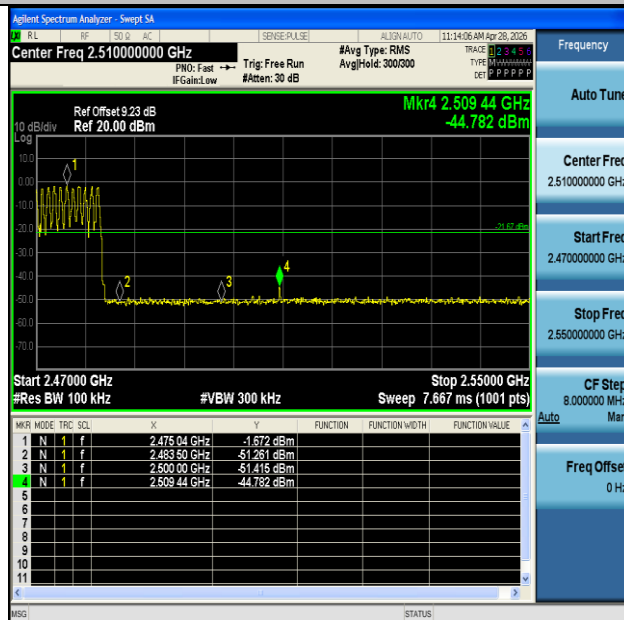


Test Graphs



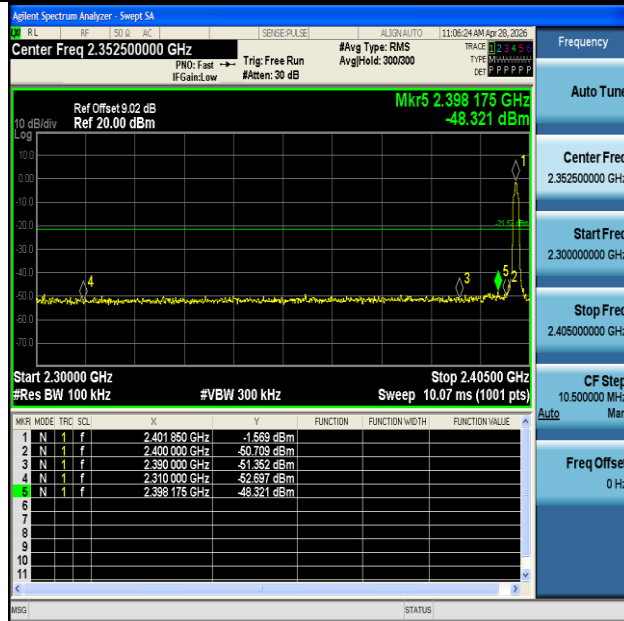


DH5-Ant1-Hop_2402-PASS

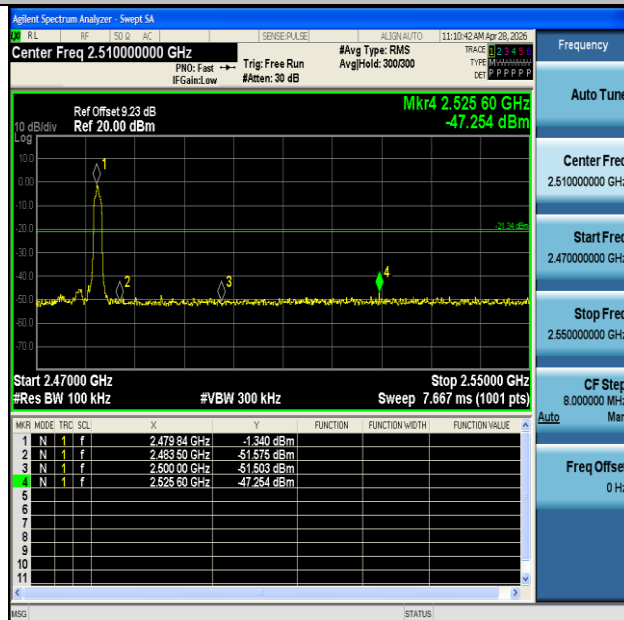


DH5-Ant1-Hop_2480-PASS



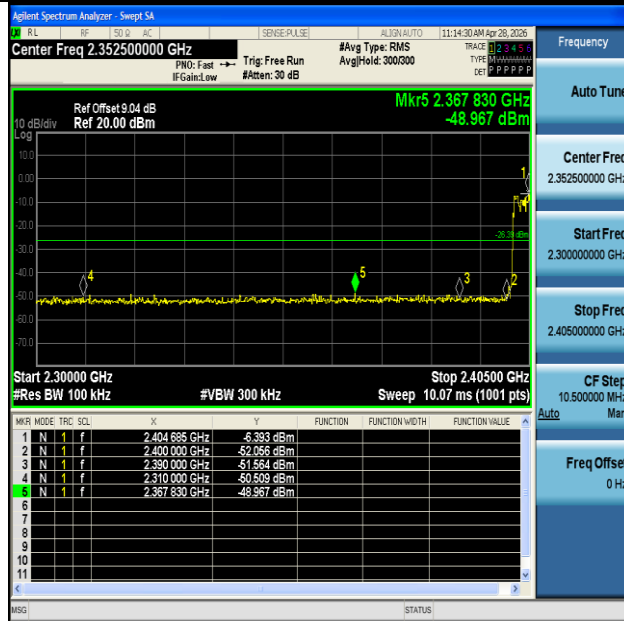


2DH5-Ant1-2402-PASS

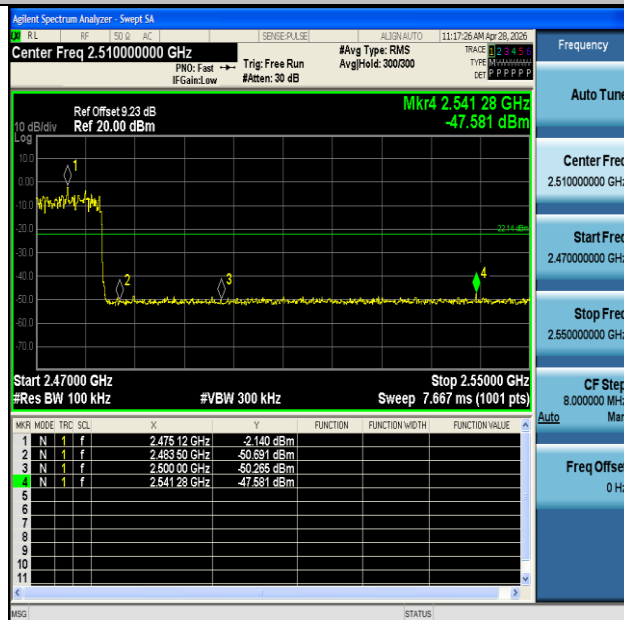


2DH5-Ant1-2480-PASS





2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS





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	-2.40	-2.40	---	PASS
DH5	Ant1	2402	30~1000	-2.40	-52.9	≤-22.4	PASS
DH5	Ant1	2402	1000~26500	-2.40	-27.63	≤-22.4	PASS
DH5	Ant1	2441	0~Reference	-1.72	-1.72	---	PASS
DH5	Ant1	2441	30~1000	-1.72	-52.12	≤-21.72	PASS
DH5	Ant1	2441	1000~26500	-1.72	-27.46	≤-21.72	PASS
DH5	Ant1	2480	0~Reference	-2.11	-2.11	---	PASS
DH5	Ant1	2480	30~1000	-2.11	-52.37	≤-22.11	PASS
DH5	Ant1	2480	1000~26500	-2.11	-26.81	≤-22.11	PASS
2DH5	Ant1	2402	0~Reference	-1.71	-1.71	---	PASS
2DH5	Ant1	2402	30~1000	-1.71	-52.57	≤-21.71	PASS
2DH5	Ant1	2402	1000~26500	-1.71	-27.4	≤-21.71	PASS
2DH5	Ant1	2441	0~Reference	-5.14	-5.14	---	PASS
2DH5	Ant1	2441	30~1000	-5.14	-52.64	≤-25.14	PASS
2DH5	Ant1	2441	1000~26500	-5.14	-27.87	≤-25.14	PASS
2DH5	Ant1	2480	0~Reference	-1.52	-1.52	---	PASS
2DH5	Ant1	2480	30~1000	-1.52	-52.3	≤-21.52	PASS
2DH5	Ant1	2480	1000~26500	-1.52	-27.01	≤-21.52	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.

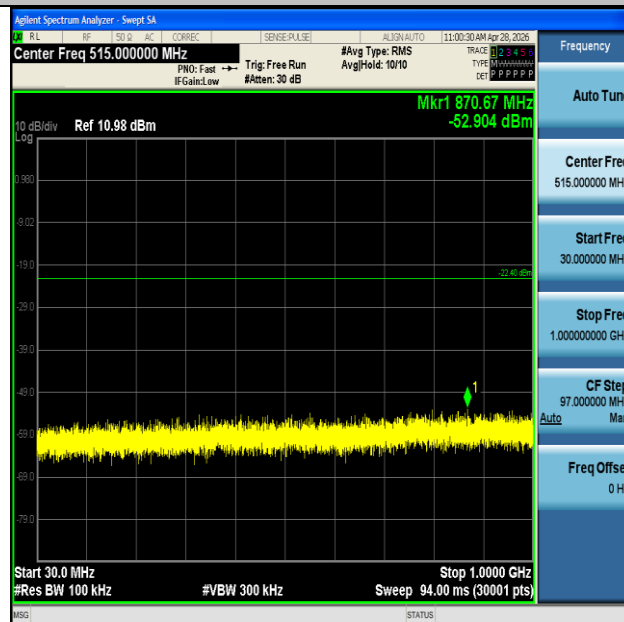




Test Graphs

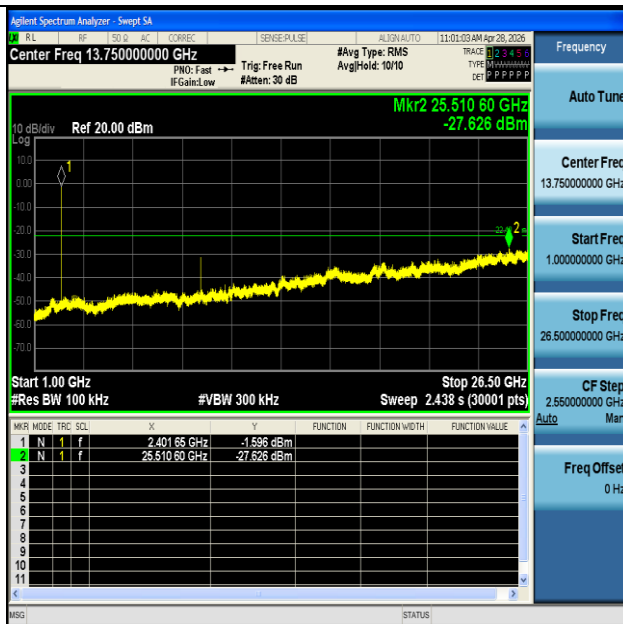


DH5-Ant1-2402-0~Reference-PASS

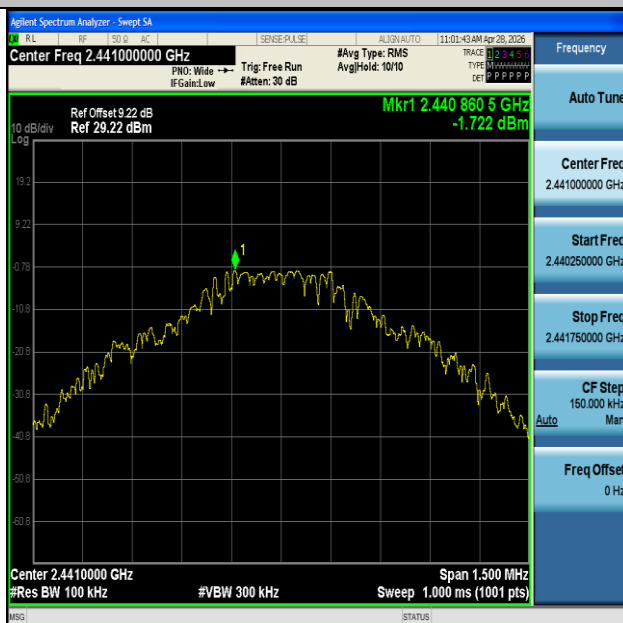


DH5-Ant1-2402-30~1000-PASS





DH5-Ant1-2402-1000~26500-PASS

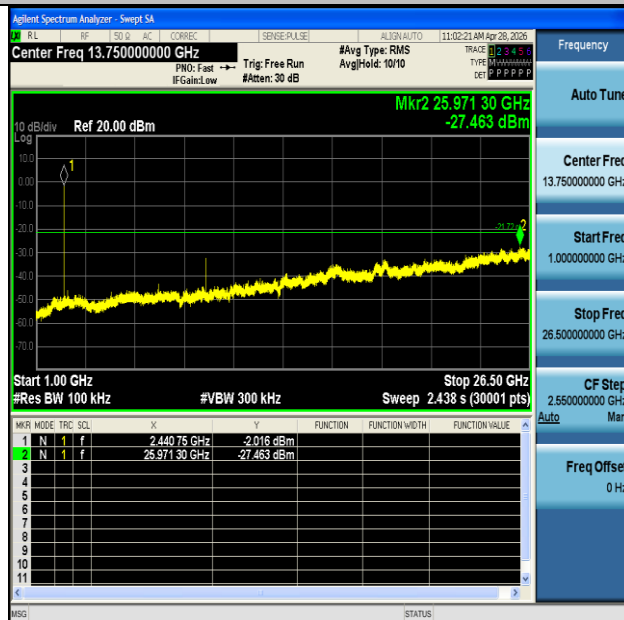


DH5-Ant1-2441-0~Reference-PASS





DH5-Ant1-2441-30~1000-PASS

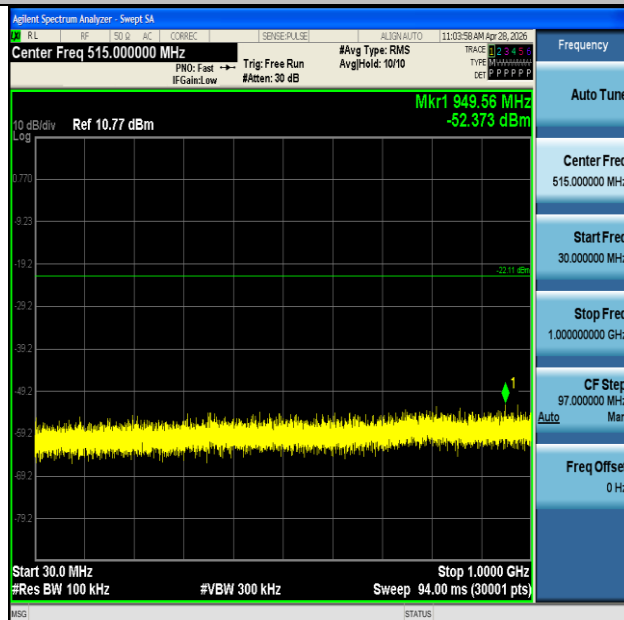


DH5-Ant1-2441-1000~26500-PASS



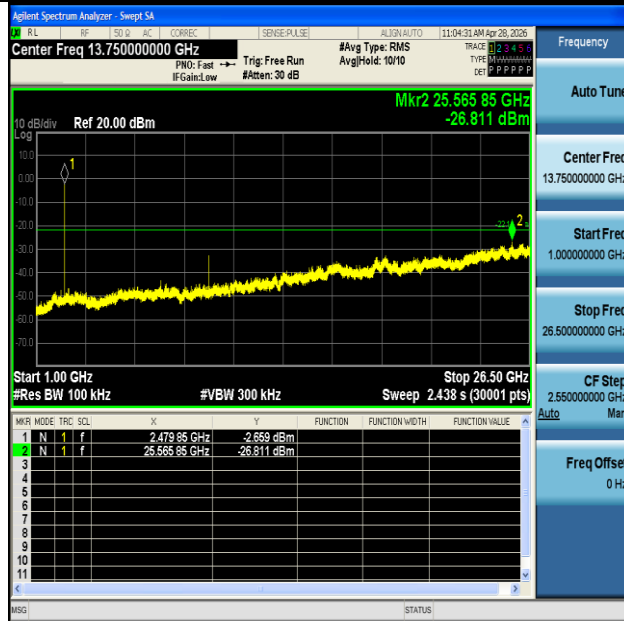


DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS



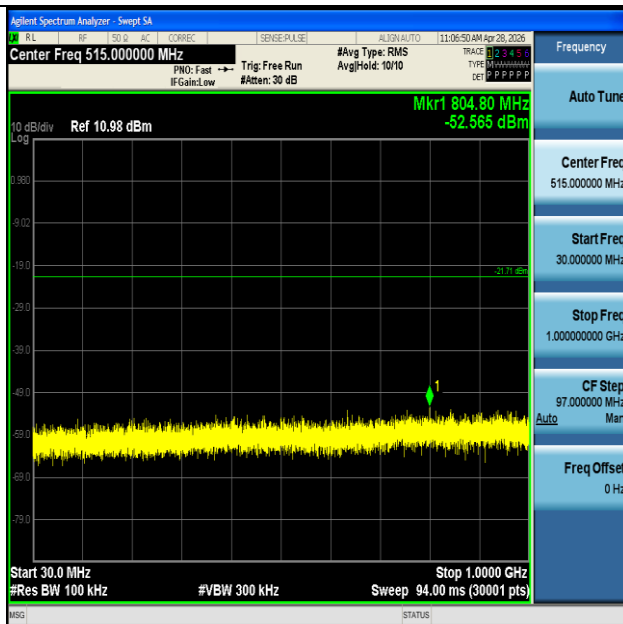


DH5-Ant1-2480-1000~26500-PASS

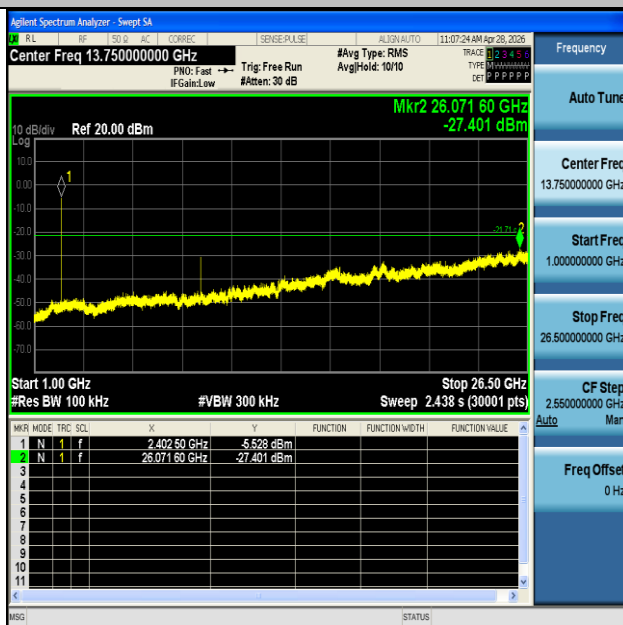


2DH5-Ant1-2402-0~Reference-PASS





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

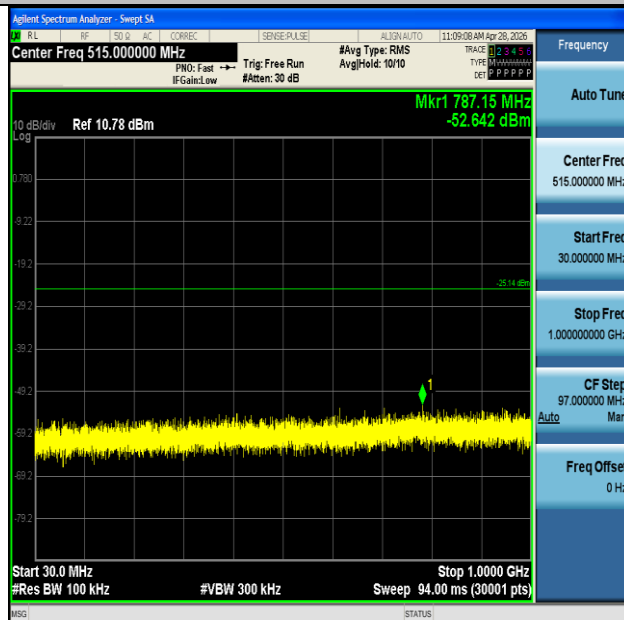


2DH5-Ant1-2402-1000~26500-PASS



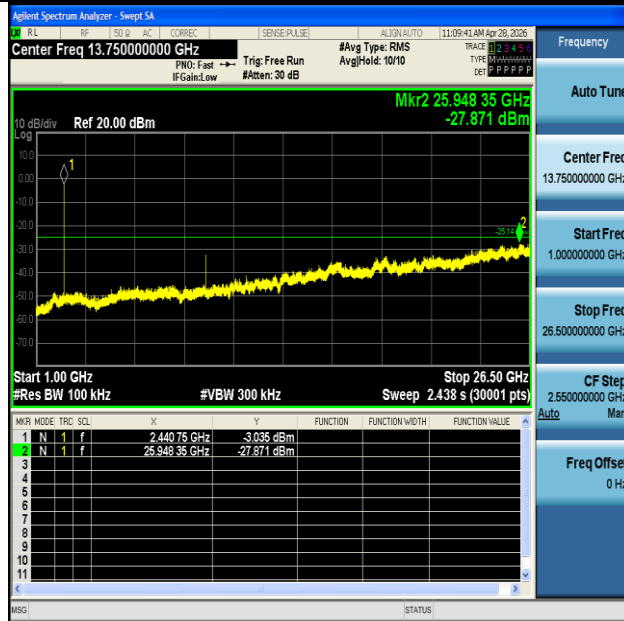


2DH5-Ant1-2441-0~Reference-PASS



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





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

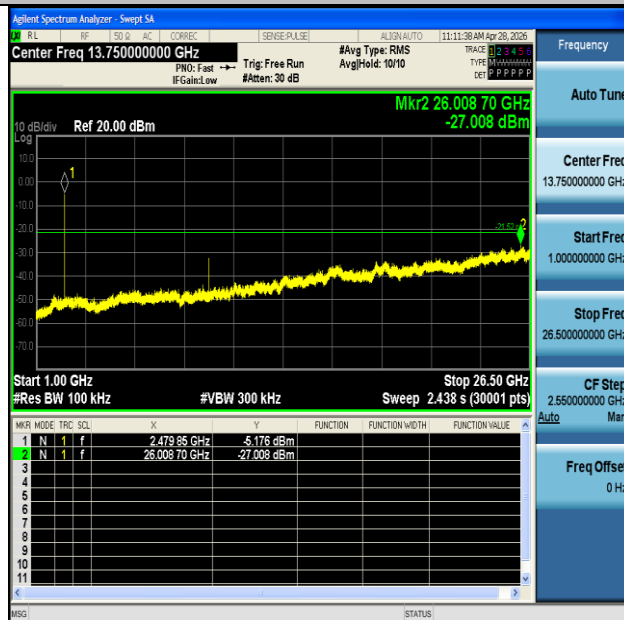


2DH5-Ant1-2480-0~Reference-PASS





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



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





Appendix I: Duty Cycle

Test Result

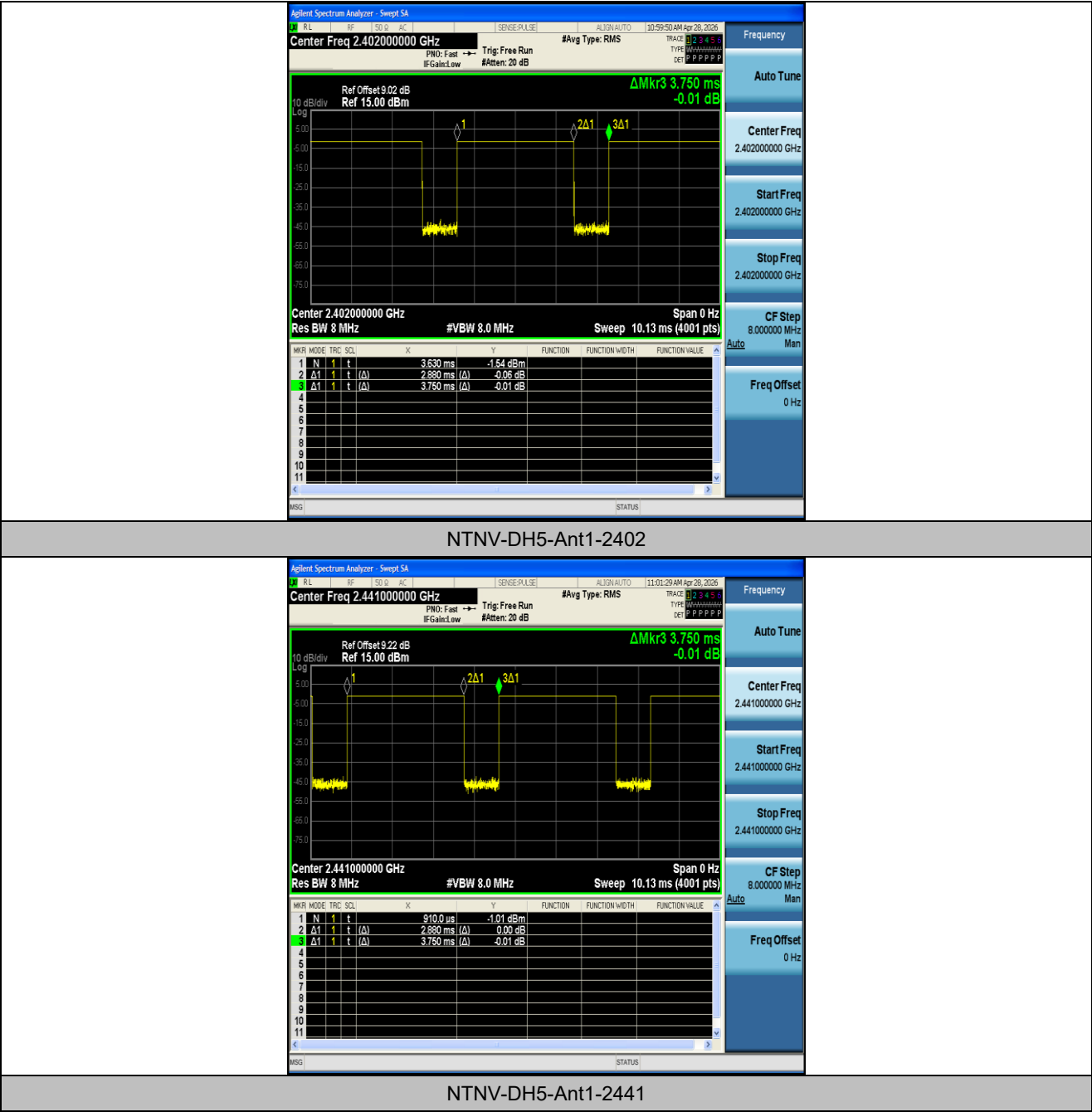
Test Mode	Antenna	Frequency [MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor [dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.90	3.76	77.13	1.13
2DH5	Ant1	2441	2.89	3.74	77.27	1.12
2DH5	Ant1	2480	2.89	3.74	77.27	1.12

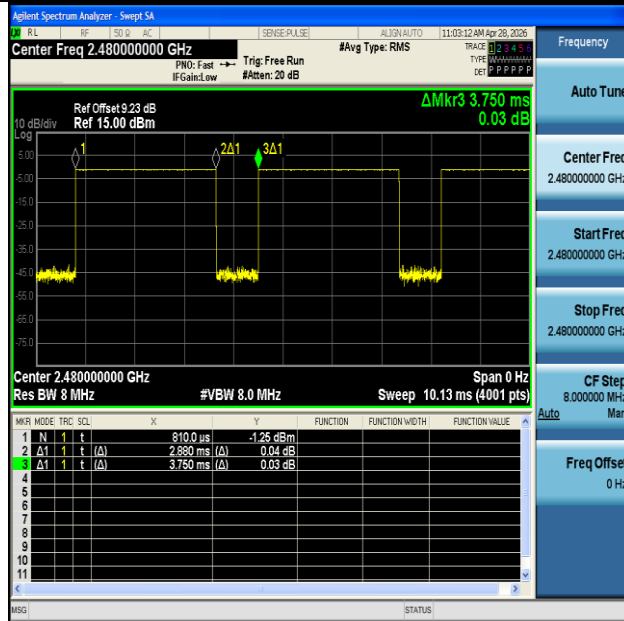
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



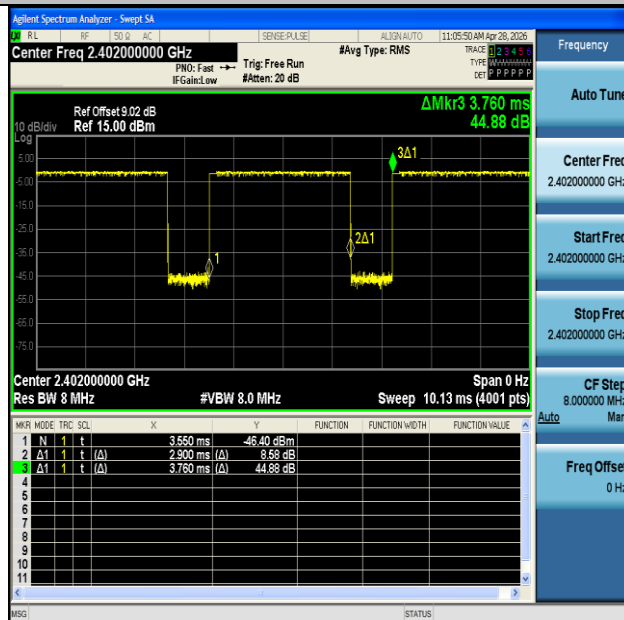


Test Graphs



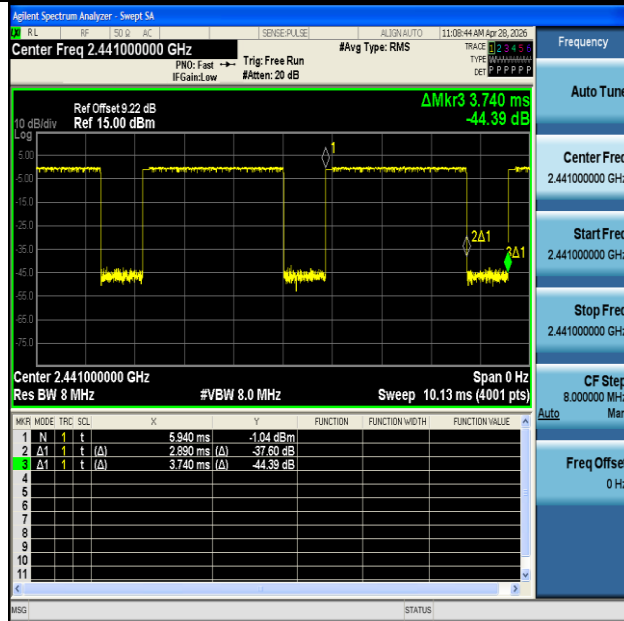


NTNV-DH5-Ant1-2480

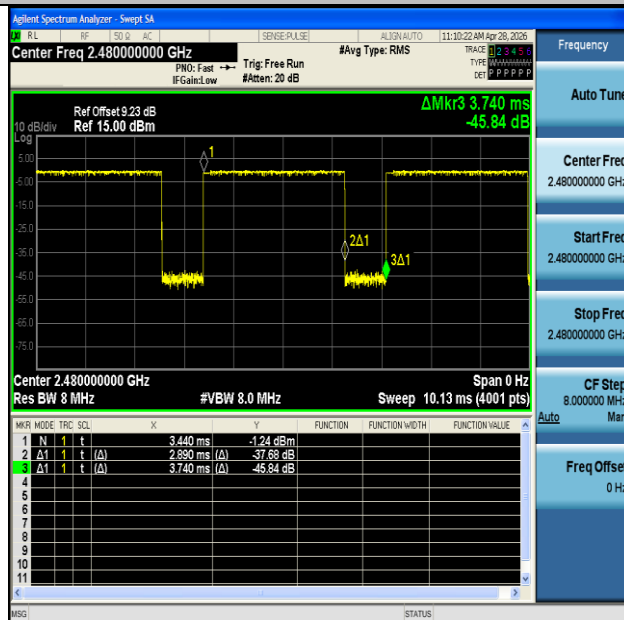


NTNV-2DH5-Ant1-2402





NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480

