



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

Product Name: Headphone
Trade Mark: BMI MERCHANDISE
Test Model: BMI-985BT-ASST
FCC ID: 2AANZ985BTM

Environmental Conditions

Temperature:	23.5°C
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	0.921	2401.544	2402.465	---	---
DH5	Ant1	2441	0.939	2440.538	2441.477	---	---
DH5	Ant1	2480	0.927	2479.538	2480.465	---	---
2DH5	Ant1	2402	1.320	2401.340	2402.660	---	---
2DH5	Ant1	2441	1.326	2440.331	2441.657	---	---
2DH5	Ant1	2480	1.317	2479.334	2480.651	---	---
3DH5	Ant1	2402	1.278	2401.373	2402.651	---	---
3DH5	Ant1	2441	1.263	2440.367	2441.630	---	---
3DH5	Ant1	2480	1.287	2479.346	2480.633	---	---

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 B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.84090	2401.5794	2402.4203	---	---
DH5	Ant1	2441	0.84643	2440.5737	2441.4201	---	---
DH5	Ant1	2480	0.82270	2479.5801	2480.4028	---	---
2DH5	Ant1	2402	1.1941	2401.4038	2402.5979	---	---
2DH5	Ant1	2441	1.1935	2440.4022	2441.5957	---	---
2DH5	Ant1	2480	1.1948	2479.3991	2480.5939	---	---
3DH5	Ant1	2402	1.1858	2401.4047	2402.5905	---	---
3DH5	Ant1	2441	1.1704	2440.4131	2441.5835	---	---
3DH5	Ant1	2480	1.1774	2479.4055	2480.5829	---	---

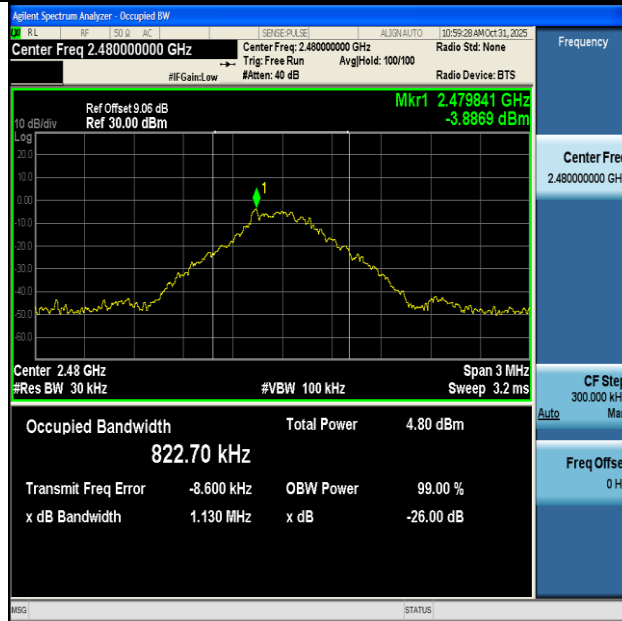
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



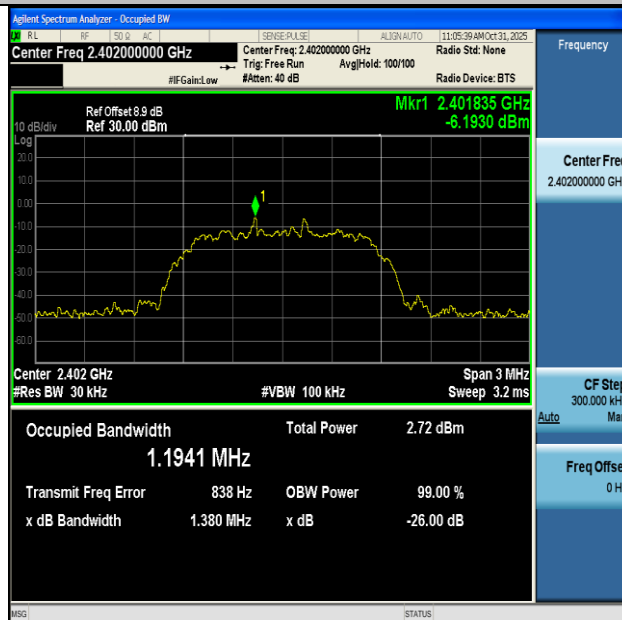


Test Graphs



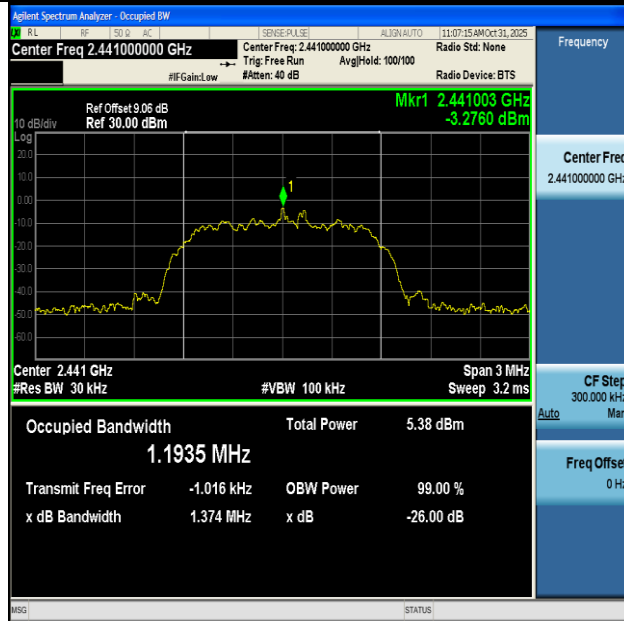


DH5-Ant1-2480



2DH5-Ant1-2402



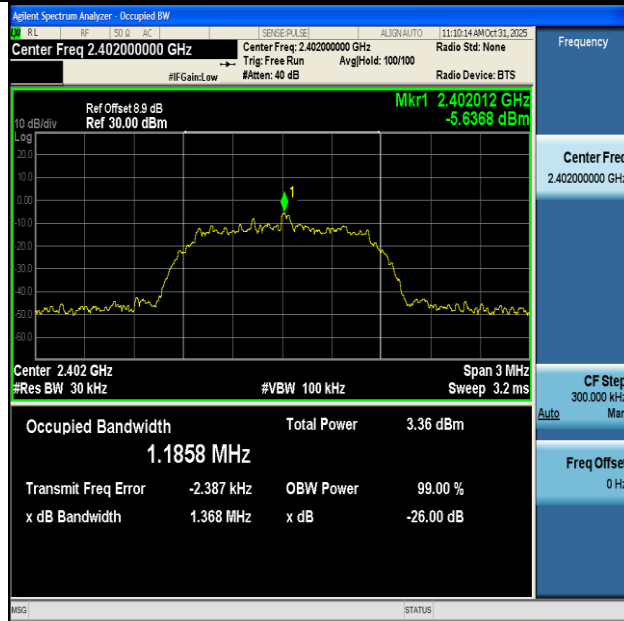


2DH5-Ant1-2441

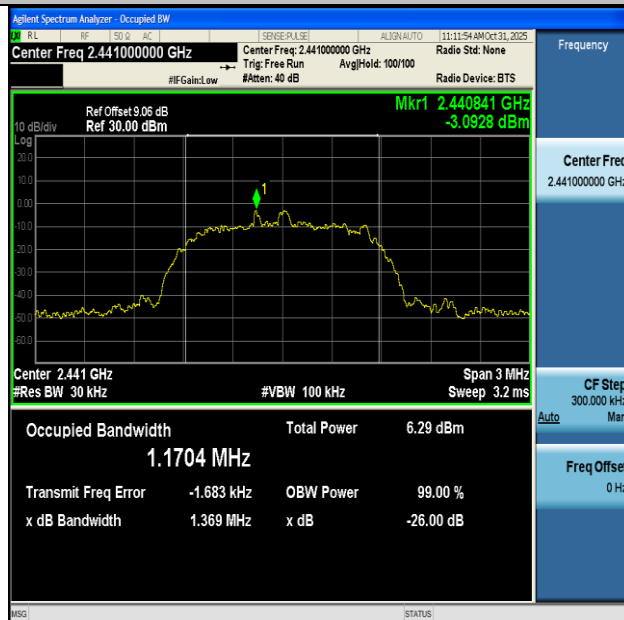


2DH5-Ant1-2480





3DH5-Ant1-2402



3DH5-Ant1-2441







Appendix C: Maximum peak conducted output power

Test Result

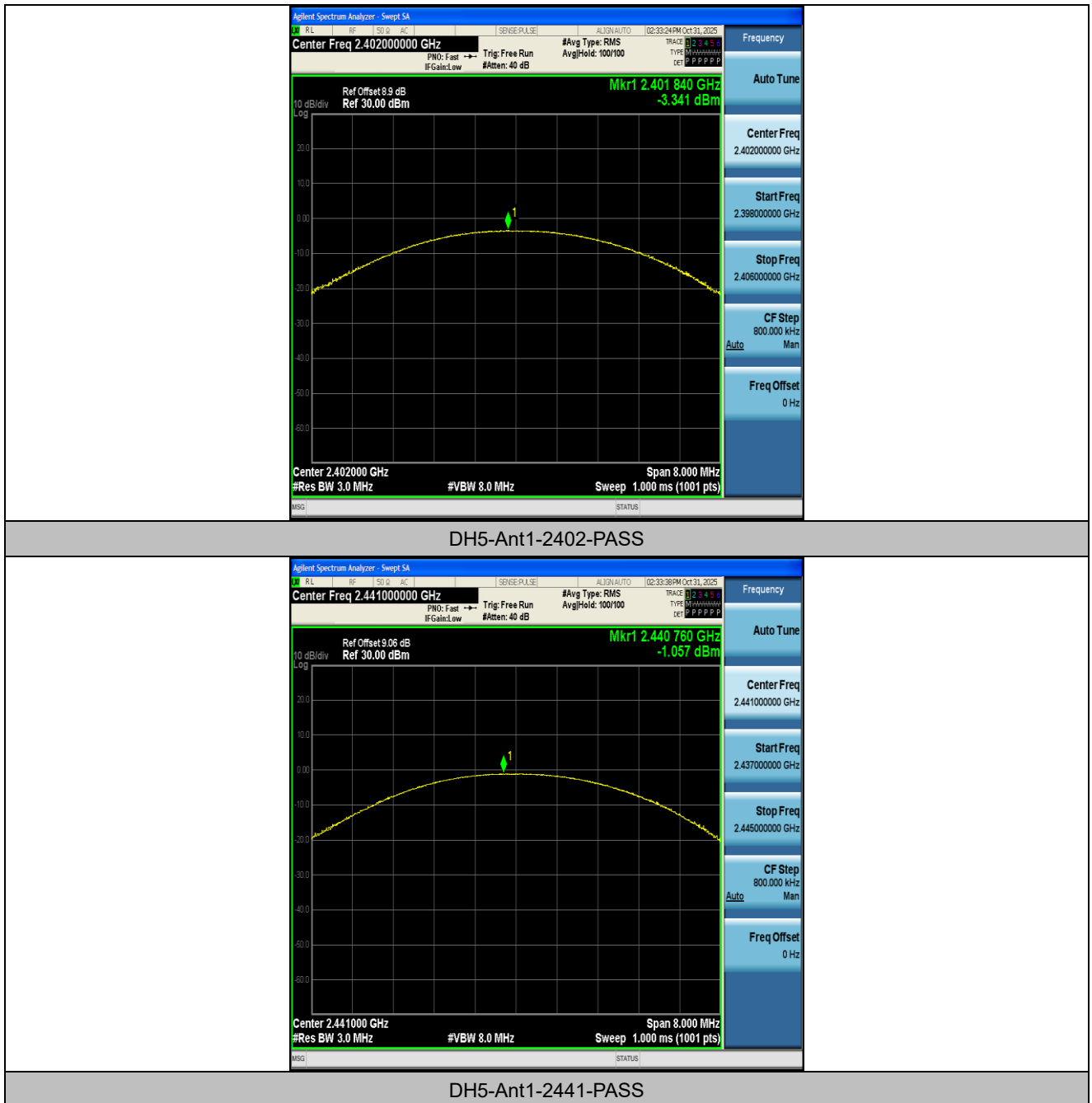
Test Mode	Antenna	Frequency [MHz]	Conducted Peak Power [dBm]	Conducted Limit [dBm]	Verdict
DH5	Ant1	2402	-3.34	≤30	PASS
DH5	Ant1	2441	-1.06	≤30	PASS
DH5	Ant1	2480	-1.74	≤30	PASS
2DH5	Ant1	2402	-1.40	≤20.97	PASS
2DH5	Ant1	2441	0.95	≤20.97	PASS
2DH5	Ant1	2480	0.25	≤20.97	PASS
3DH5	Ant1	2402	-0.97	≤20.97	PASS
3DH5	Ant1	2441	1.45	≤20.97	PASS
3DH5	Ant1	2480	0.60	≤20.97	PASS

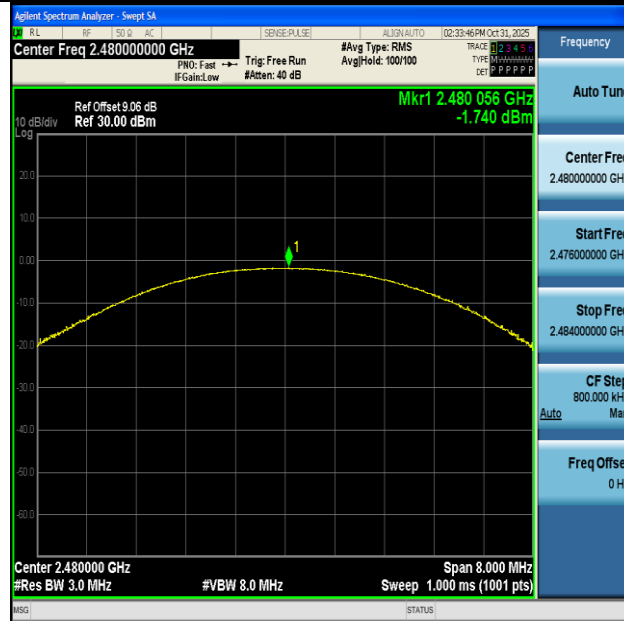
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



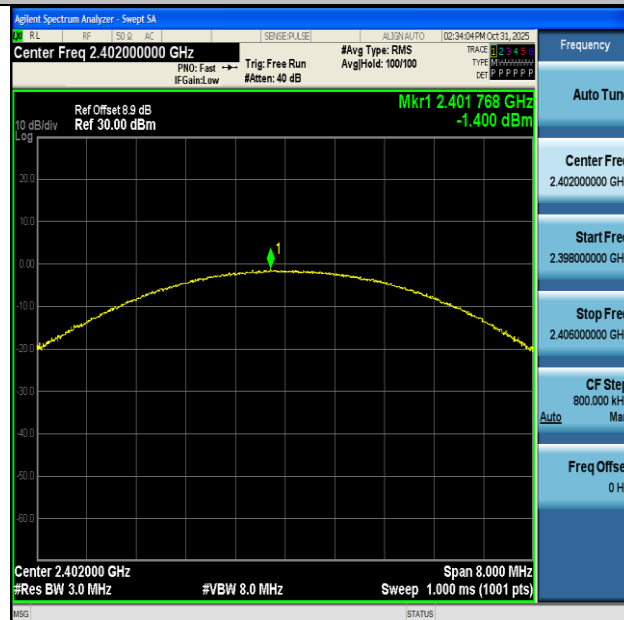


Test Graphs



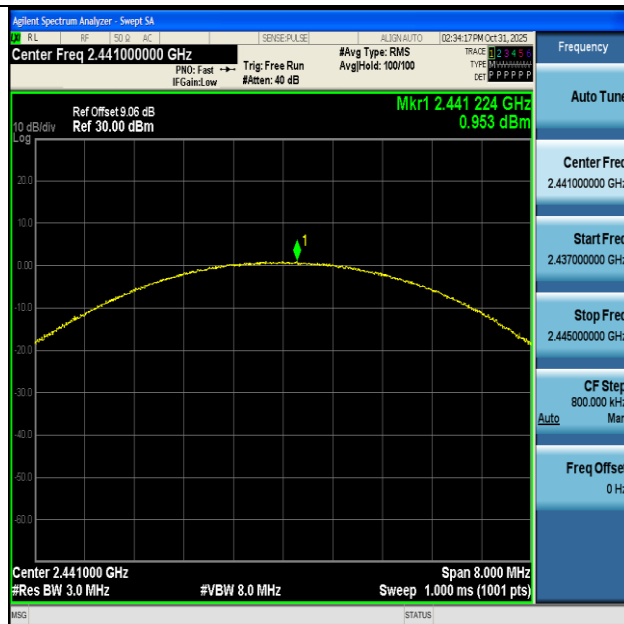


DH5-Ant1-2480-PASS

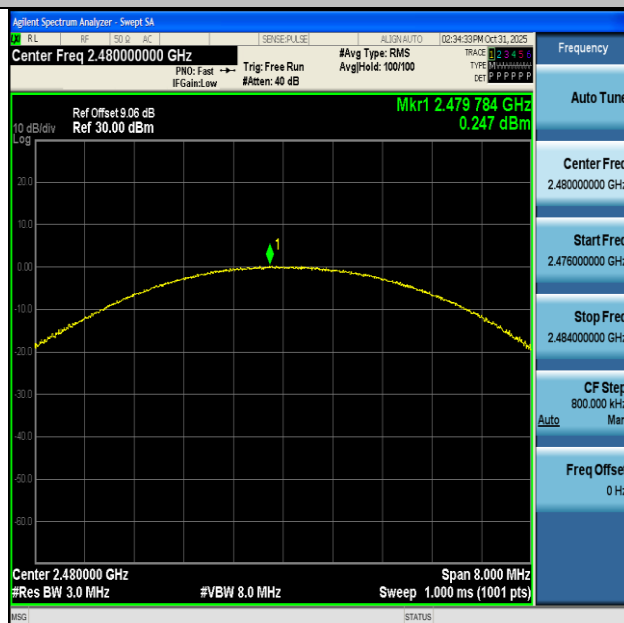


2DH5-Ant1-2402-PASS



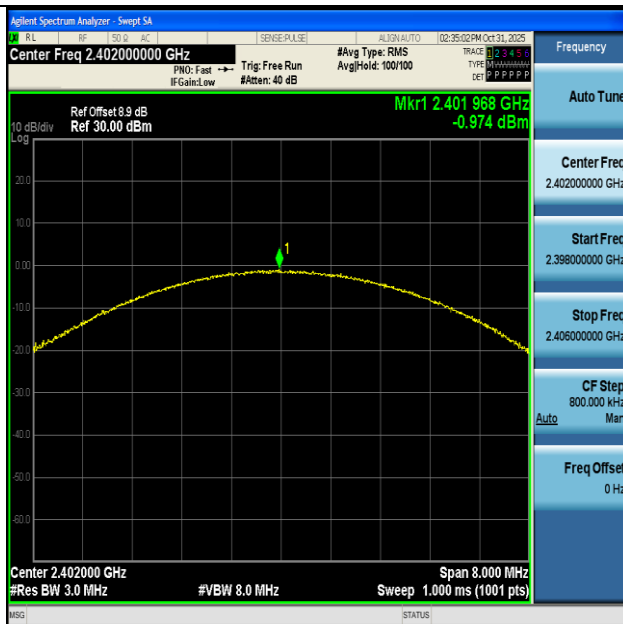


2DH5-Ant1-2441-PASS

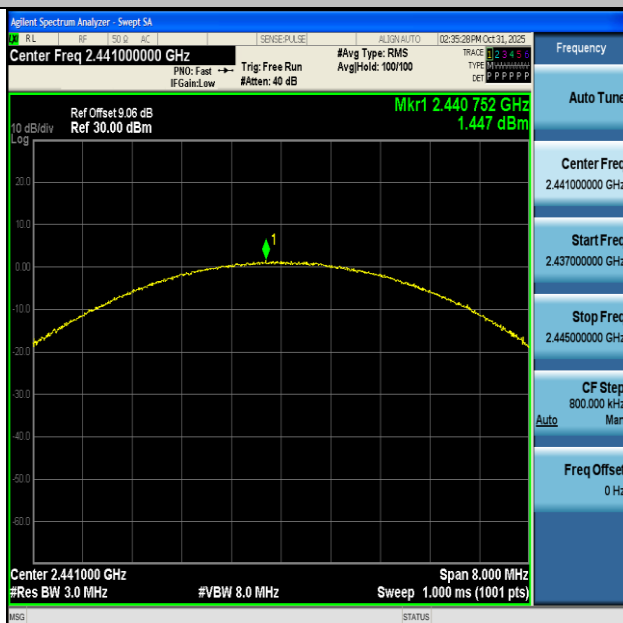


2DH5-Ant1-2480-PASS



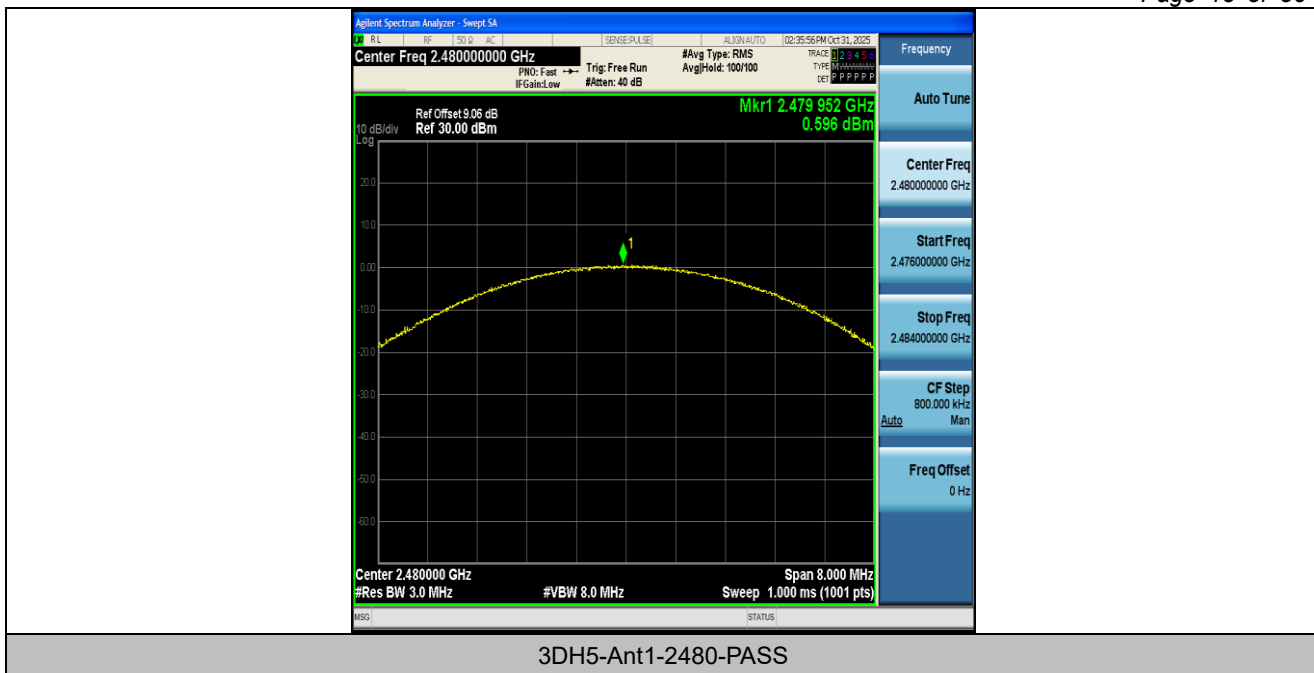


3DH5-Ant1-2402-PASS



3DH5-Ant1-2441-PASS







Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.01	≥ 0.939	PASS
2DH5	Ant1	Hop	1.016	≥ 0.884	PASS
3DH5	Ant1	Hop	1.018	≥ 0.858	PASS

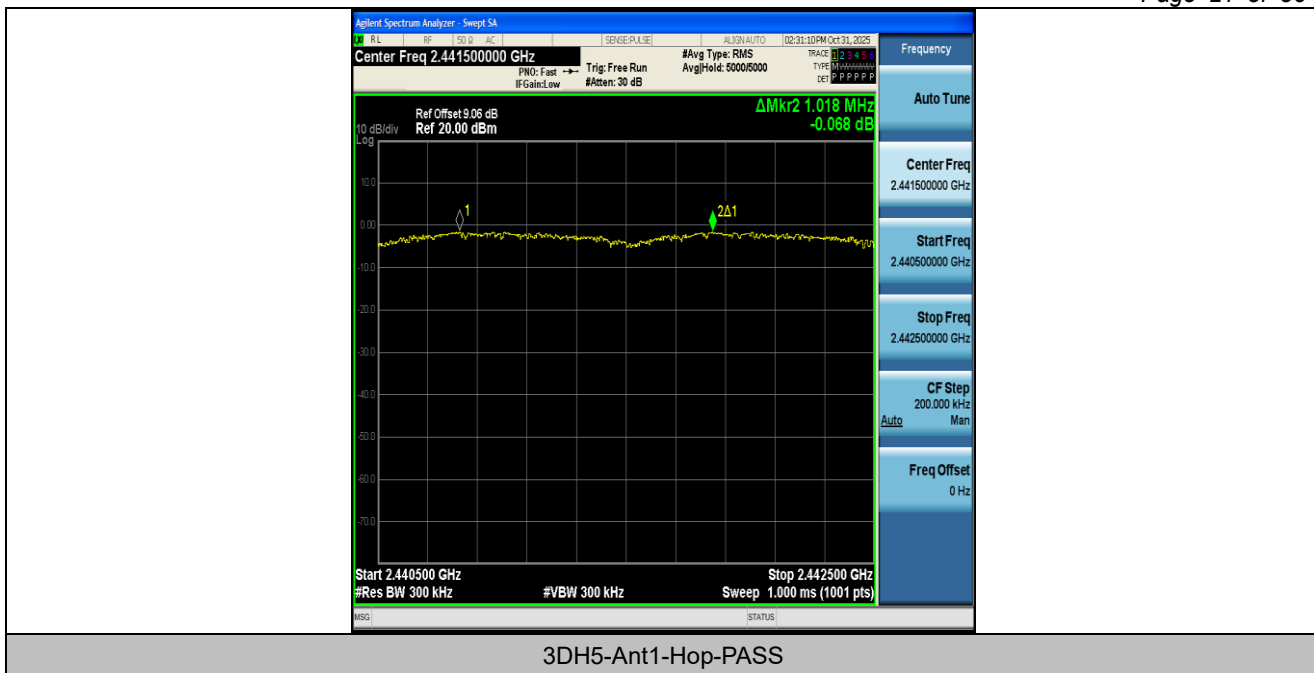
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix E: Time of occupancy

Test Result

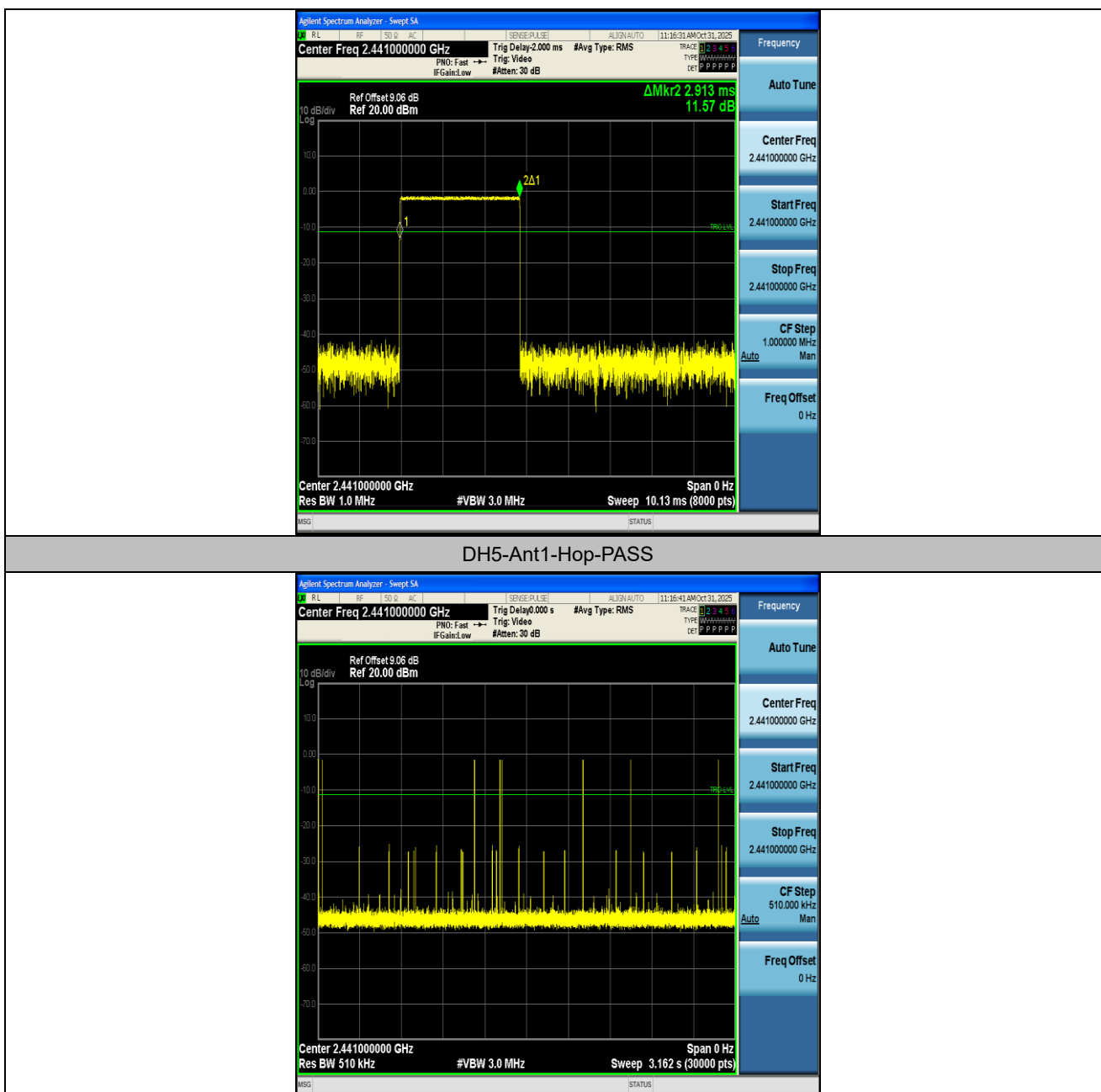
Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	TotalHops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.913	80	0.233	≤0.4	PASS
2DH5	Ant1	Hop	2.920	100	0.292	≤0.4	PASS
3DH5	Ant1	Hop	2.921	120	0.351	≤0.4	PASS

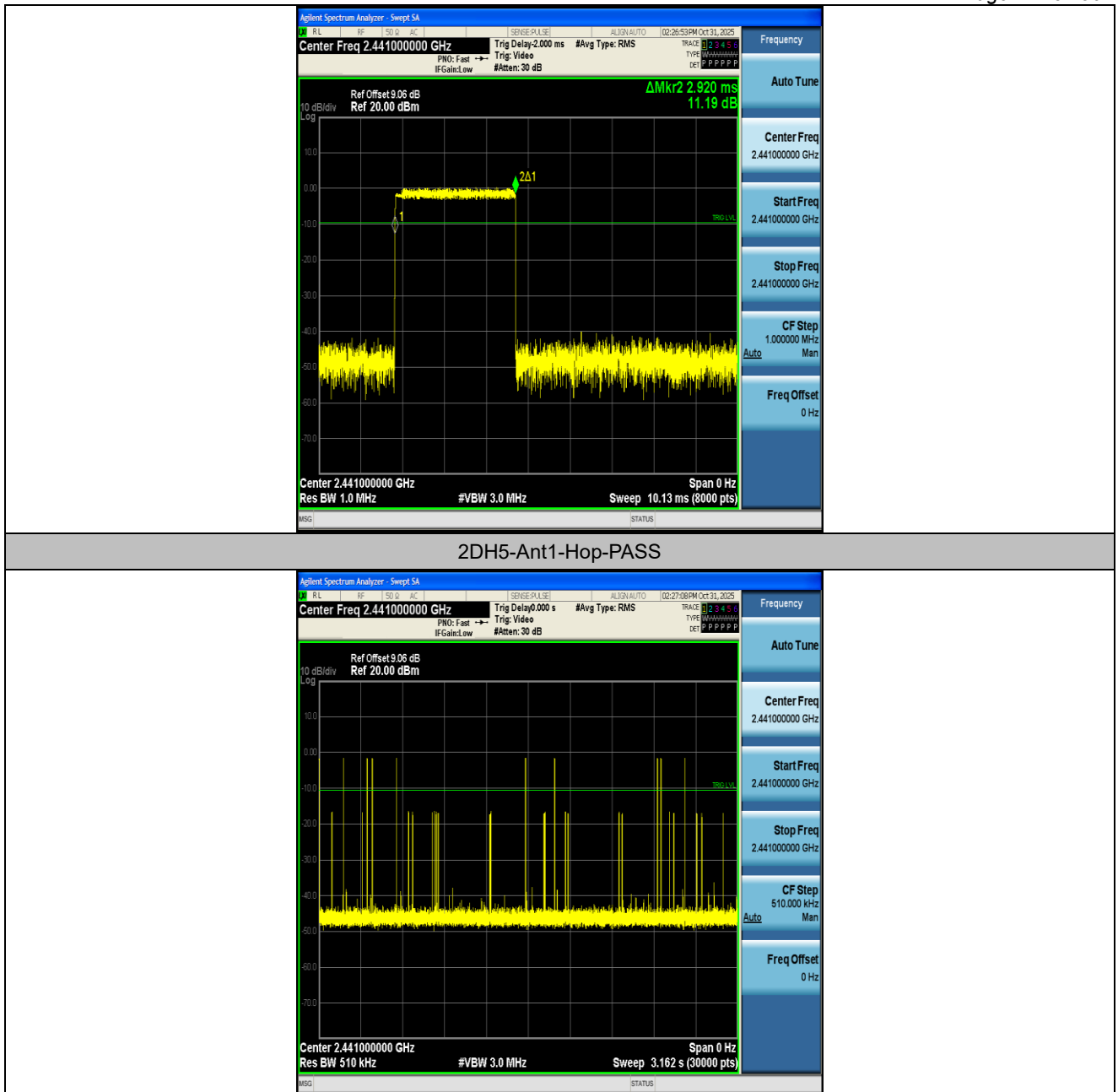
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)

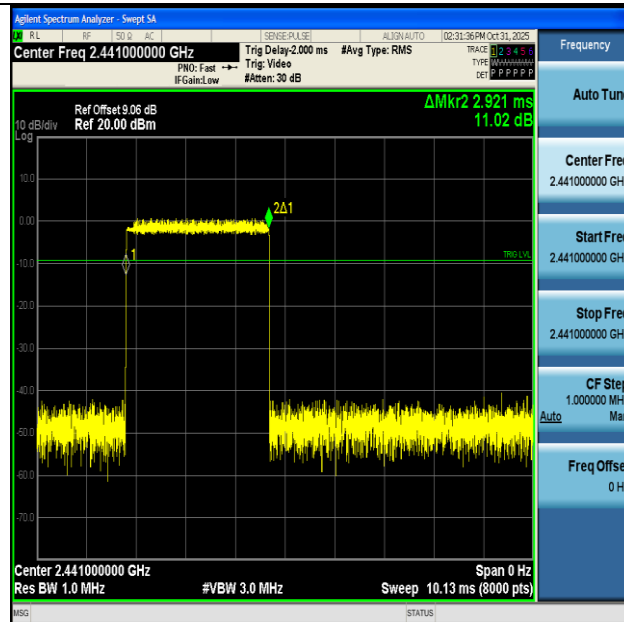




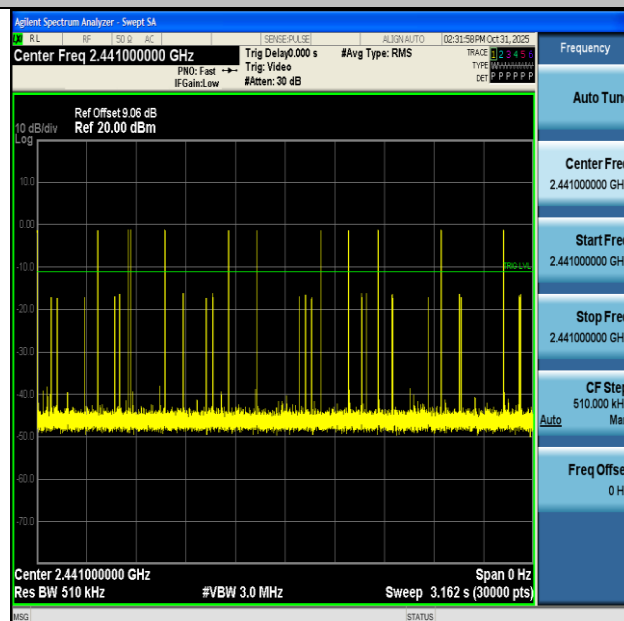
Test Graphs







3DH5-Ant1-Hop-PASS





Appendix F: Number of hopping channels

Test Result

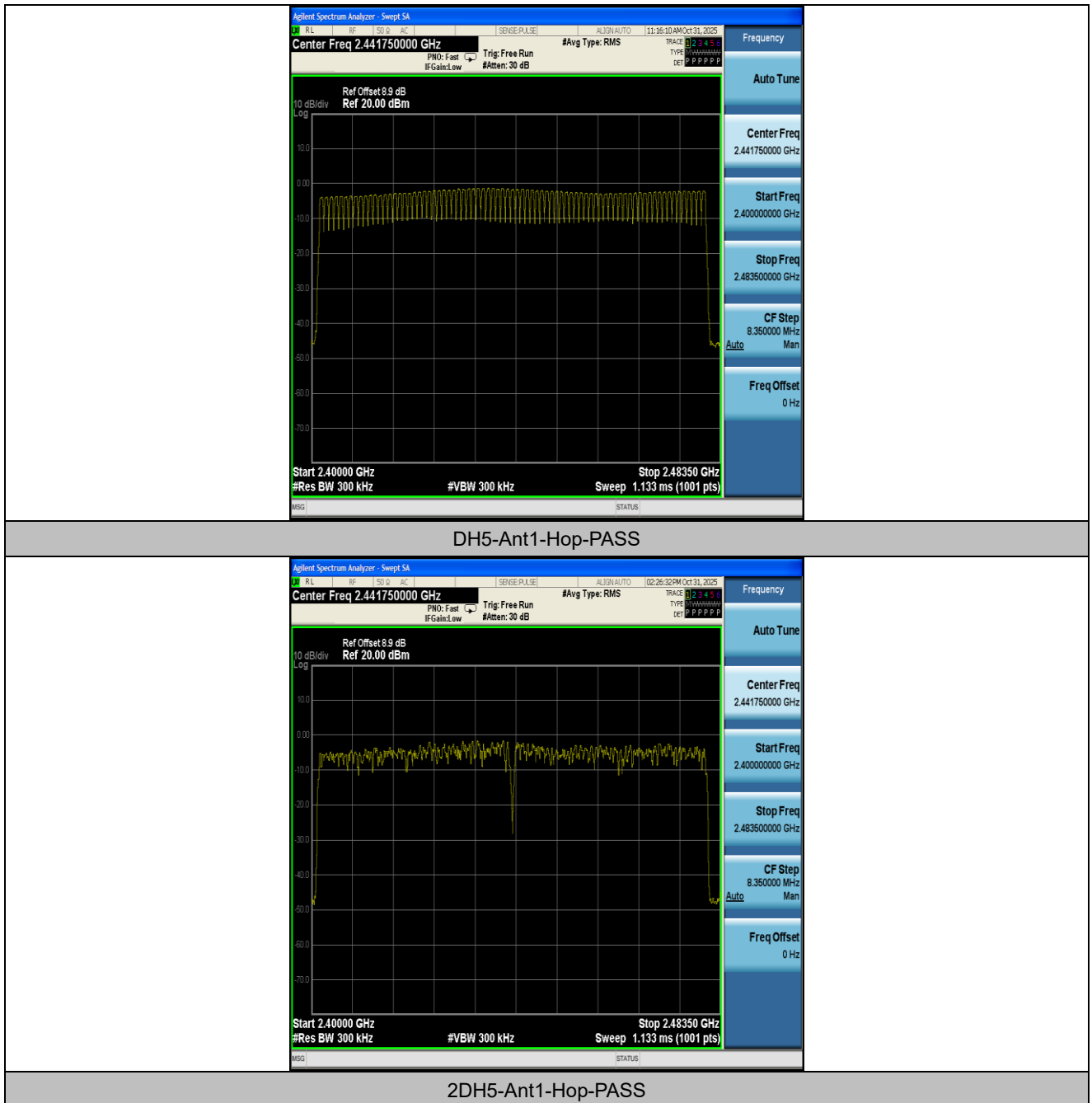
Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

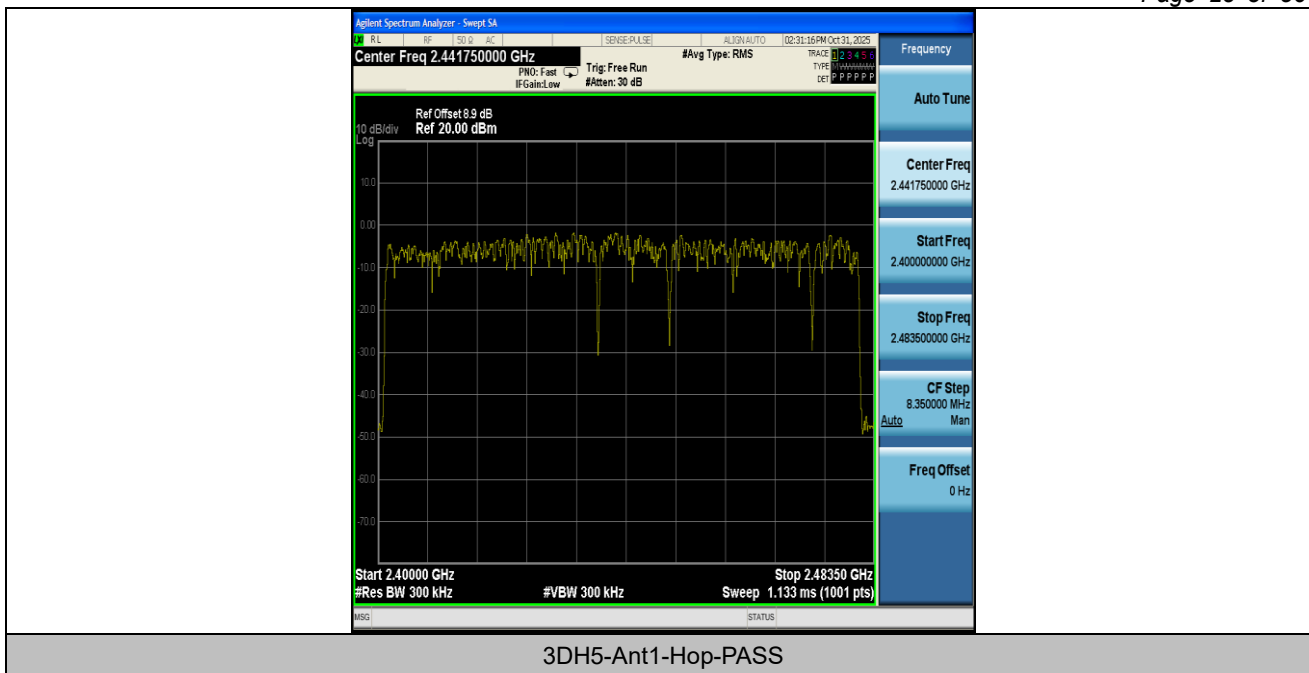
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)





Test Graphs







Appendix G: Band edge measurements

Test Result

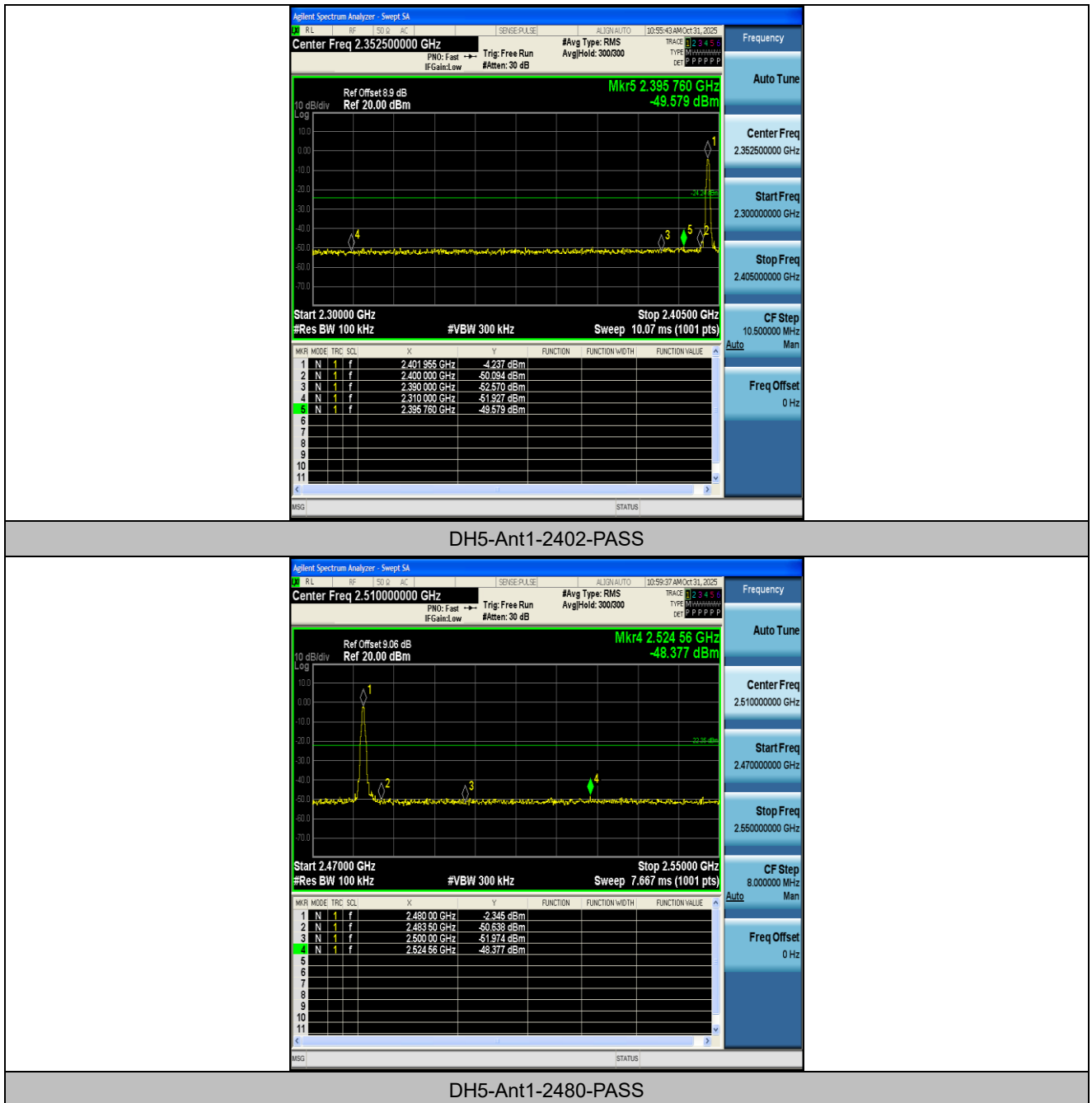
Test Mode	Antenna	Ch.Name	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-4.24	-49.58	≤-24.24	PASS
DH5	Ant1	High	2480	-2.35	-48.38	≤-22.35	PASS
DH5	Ant1	Low	Hop_2402	-4.54	-49.35	≤-24.54	PASS
DH5	Ant1	High	Hop_2480	-2.73	-48.16	≤-22.73	PASS
2DH5	Ant1	Low	2402	-4.33	-49.14	≤-24.33	PASS
2DH5	Ant1	High	2480	-2.41	-48.6	≤-22.41	PASS
2DH5	Ant1	Low	Hop_2402	-7.21	-49.07	≤-27.21	PASS
2DH5	Ant1	High	Hop_2480	-2.75	-48.55	≤-22.75	PASS
3DH5	Ant1	Low	2402	-4.25	-49.06	≤-24.25	PASS
3DH5	Ant1	High	2480	-2.40	-47.63	≤-22.4	PASS
3DH5	Ant1	Low	Hop_2402	-5.08	-49.43	≤-25.08	PASS
3DH5	Ant1	High	Hop_2480	-3.70	-48.77	≤-23.7	PASS

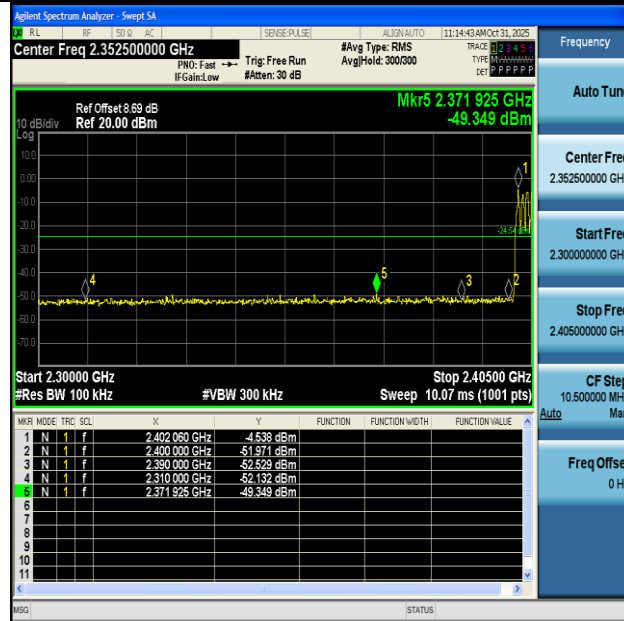
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



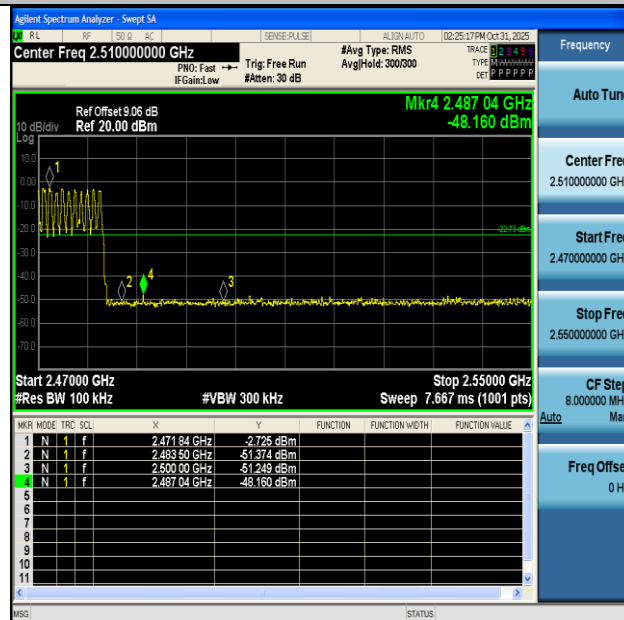


Test Graphs



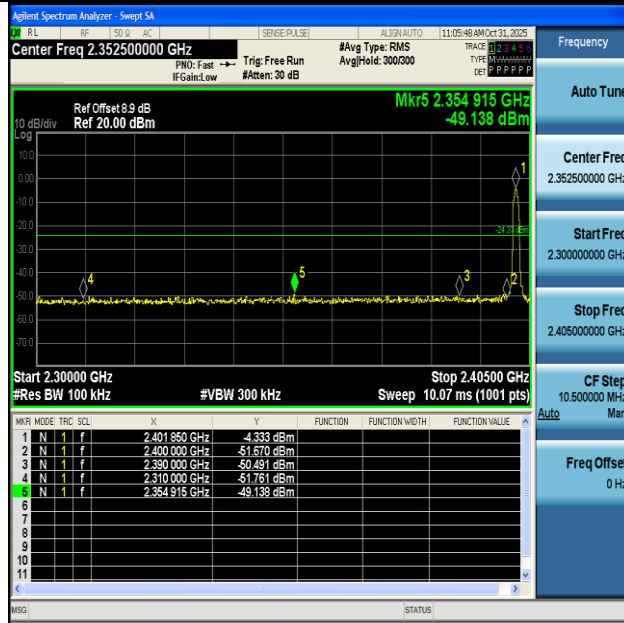


DH5-Ant1-Hop_2402-PASS

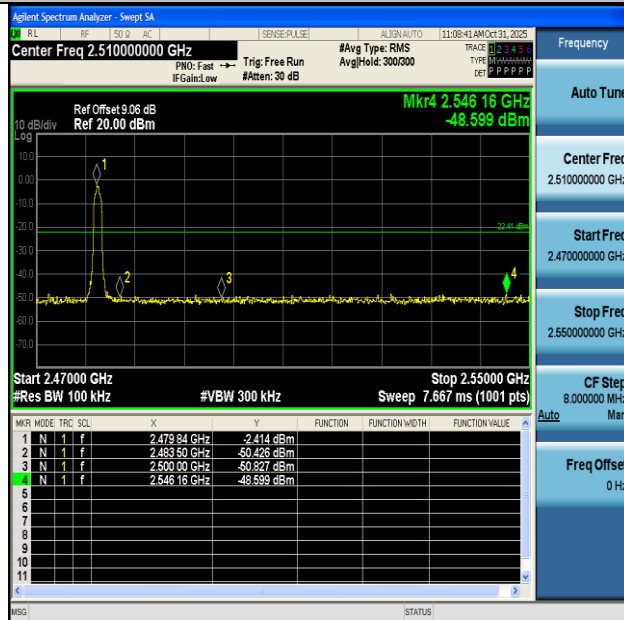


DH5-Ant1-Hop_2480-PASS



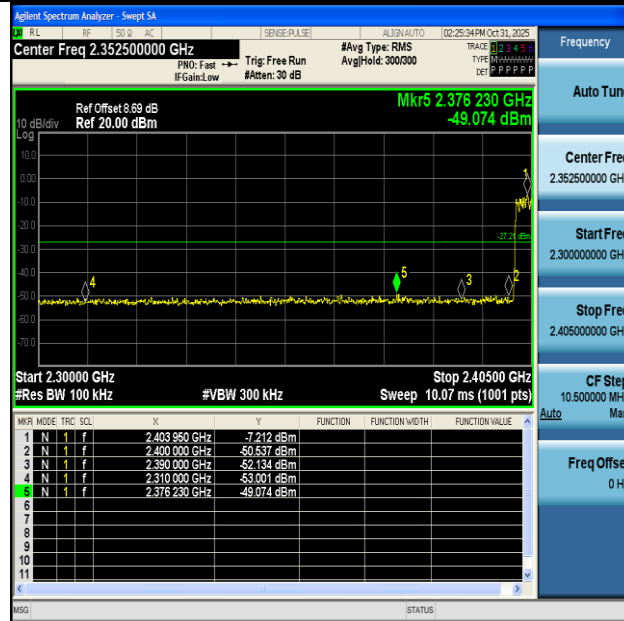


2DH5-Ant1-2402-PASS

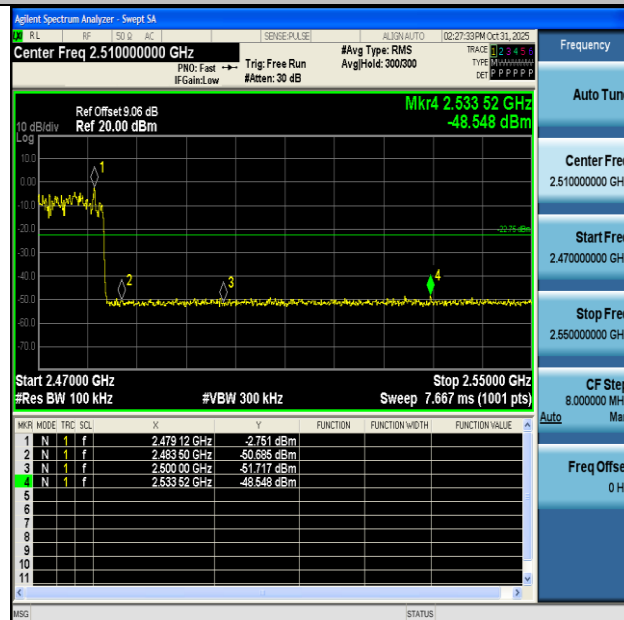


2DH5-Ant1-2480-PASS



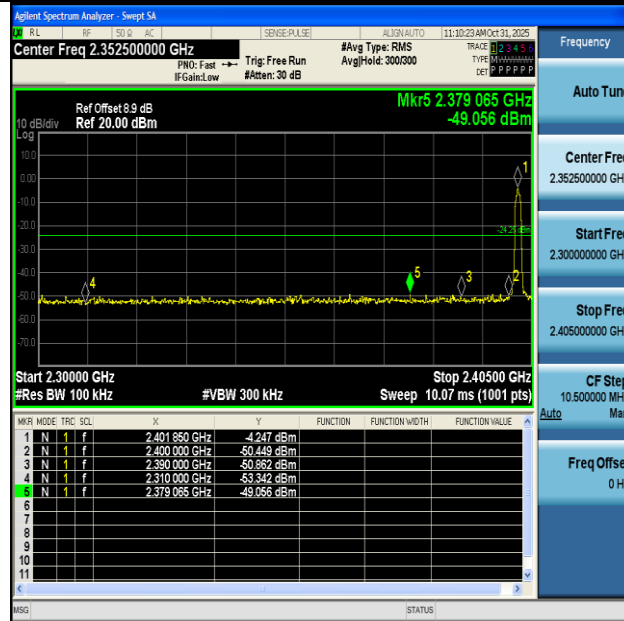


2DH5-Ant1-Hop_2402-PASS

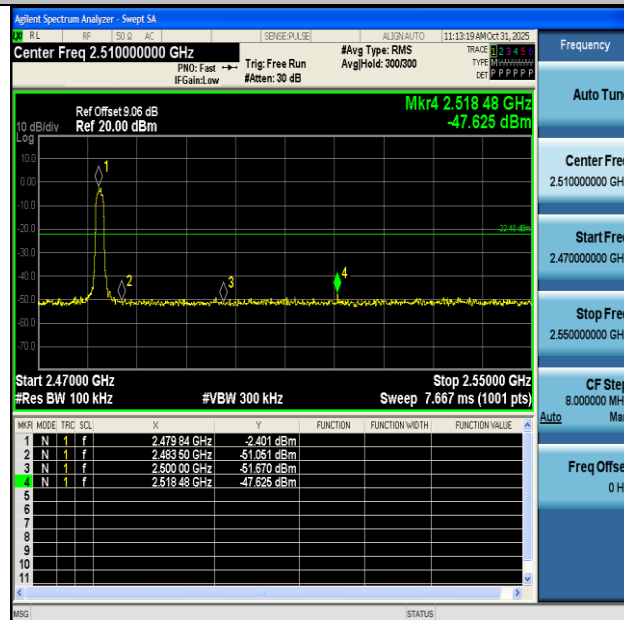


2DH5-Ant1-Hop_2480-PASS



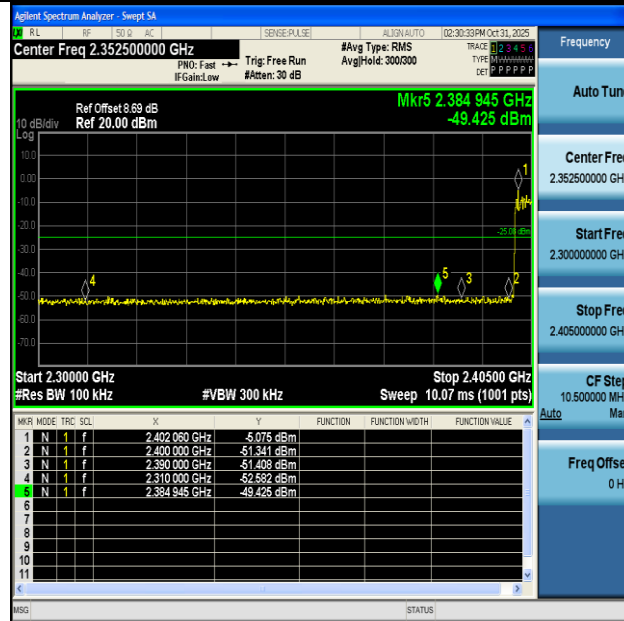


3DH5-Ant1-2402-PASS

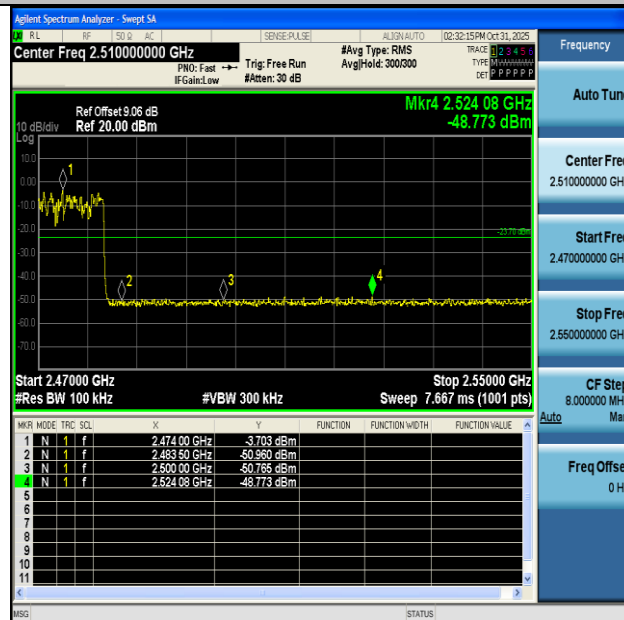


3DH5-Ant1-2480-PASS





3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS





Appendix H: Conducted Spurious Emission

Test Result

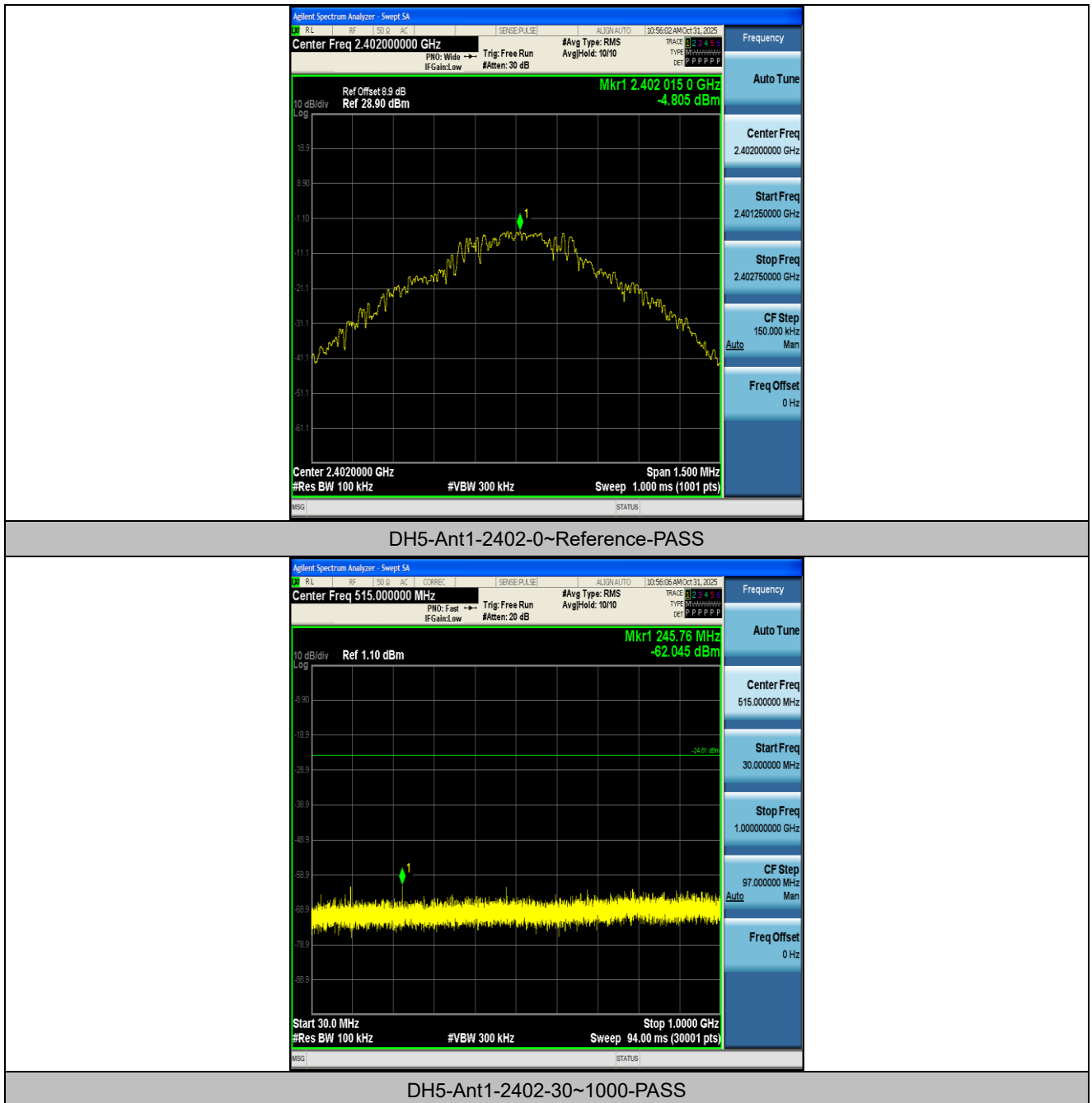
Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-4.81	-4.81	---	PASS
DH5	Ant1	2402	30~1000	-4.81	-62.05	≤ -24.81	PASS
DH5	Ant1	2402	1000~26500	-4.81	-42.81	≤ -24.81	PASS
DH5	Ant1	2441	0~Reference	-2.03	-2.03	---	PASS
DH5	Ant1	2441	30~1000	-2.03	-61.13	≤ -22.03	PASS
DH5	Ant1	2441	1000~26500	-2.03	-35.98	≤ -22.03	PASS
DH5	Ant1	2480	0~Reference	-3.03	-3.03	---	PASS
DH5	Ant1	2480	30~1000	-3.03	-62.45	≤ -23.03	PASS
DH5	Ant1	2480	1000~26500	-3.03	-37.26	≤ -23.03	PASS
2DH5	Ant1	2402	0~Reference	-6.13	-6.13	---	PASS
2DH5	Ant1	2402	30~1000	-6.13	-62.44	≤ -26.13	PASS
2DH5	Ant1	2402	1000~26500	-6.13	-41.83	≤ -26.13	PASS
2DH5	Ant1	2441	0~Reference	-3.48	-3.48	---	PASS
2DH5	Ant1	2441	30~1000	-3.48	-62.58	≤ -23.48	PASS
2DH5	Ant1	2441	1000~26500	-3.48	-38.36	≤ -23.48	PASS
2DH5	Ant1	2480	0~Reference	-3.93	-3.93	---	PASS
2DH5	Ant1	2480	30~1000	-3.93	-62.06	≤ -23.93	PASS
2DH5	Ant1	2480	1000~26500	-3.93	-40.46	≤ -23.93	PASS
3DH5	Ant1	2402	0~Reference	-4.31	-4.31	---	PASS
3DH5	Ant1	2402	30~1000	-4.31	-61.72	≤ -24.31	PASS
3DH5	Ant1	2402	1000~26500	-4.31	-45.06	≤ -24.31	PASS
3DH5	Ant1	2441	0~Reference	-4.13	-4.13	---	PASS
3DH5	Ant1	2441	30~1000	-4.13	-60.87	≤ -24.13	PASS
3DH5	Ant1	2441	1000~26500	-4.13	-39.46	≤ -24.13	PASS
3DH5	Ant1	2480	0~Reference	-2.48	-2.48	---	PASS
3DH5	Ant1	2480	30~1000	-2.48	-61.05	≤ -22.48	PASS
3DH5	Ant1	2480	1000~26500	-2.48	-40.05	≤ -22.48	PASS

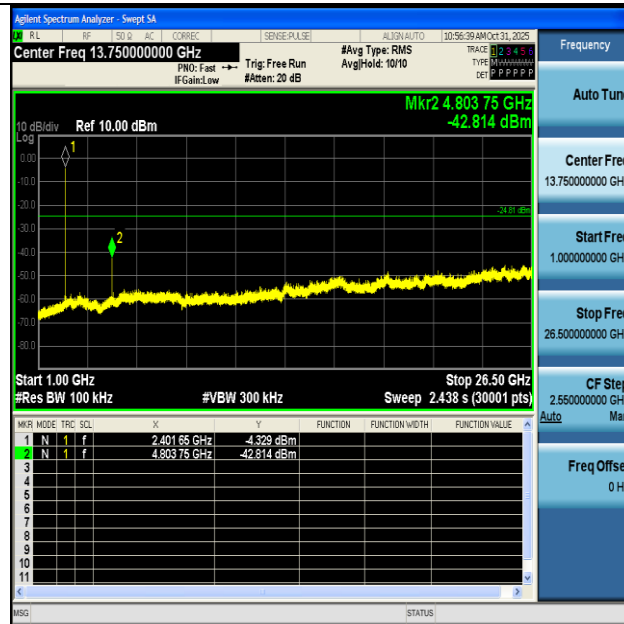
Note: offset(dB) in Reference test plots = cable loss(dB) + attenuator factor(dB); For spurious emissions plots from 30MHz to 26.5GHz, the cable loss and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.



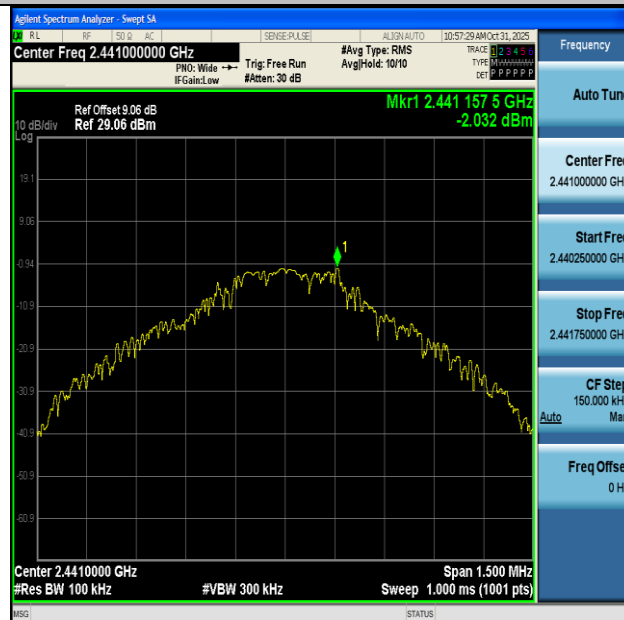


Test Graphs



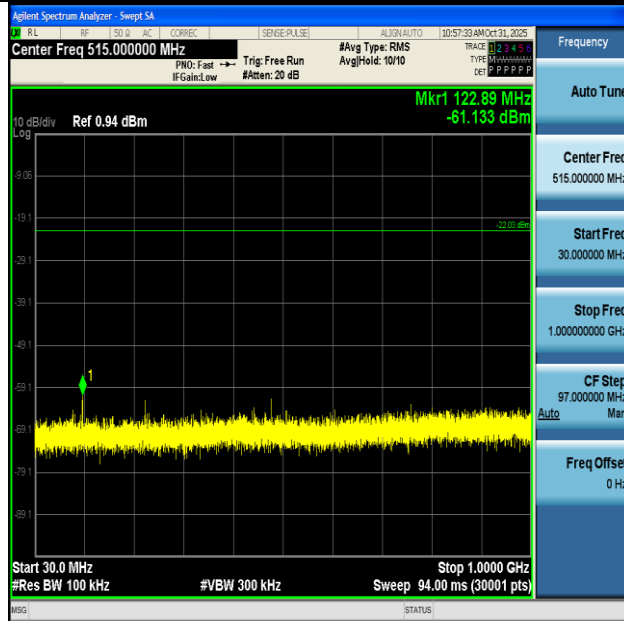


DH5-Ant1-2402-1000~26500-PASS

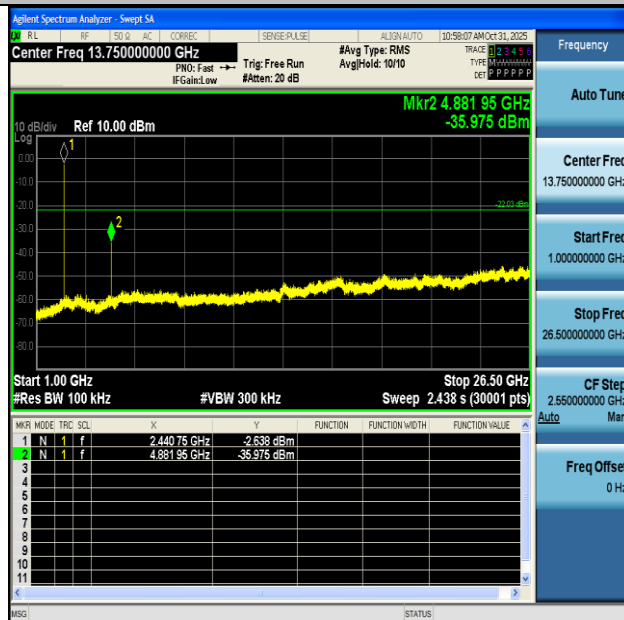


DH5-Ant1-2441-0~Reference-PASS





DH5-Ant1-2441-30~1000-PASS

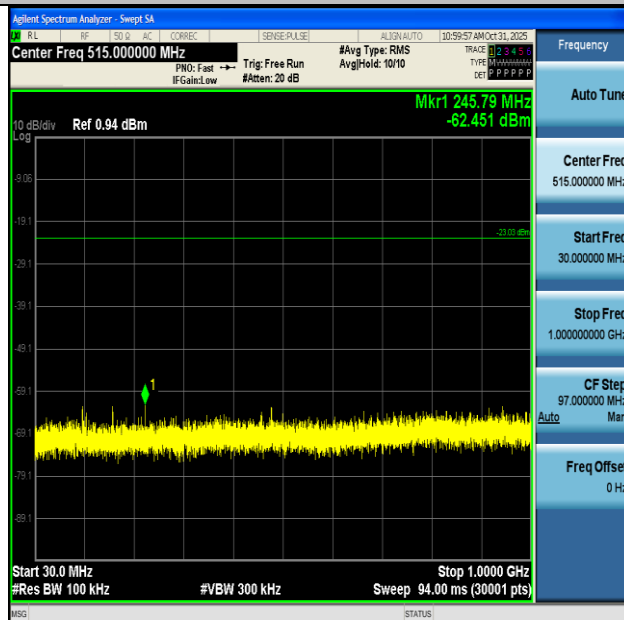


DH5-Ant1-2441-1000~26500-PASS



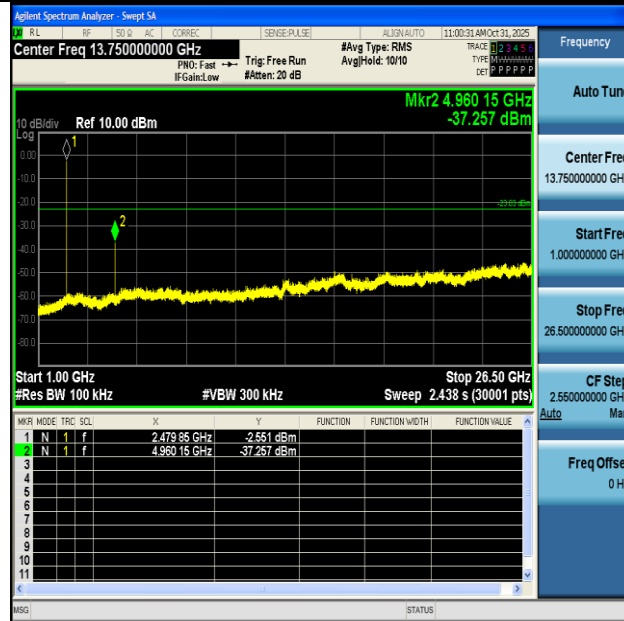


DH5-Ant1-2480-0~Reference-PASS

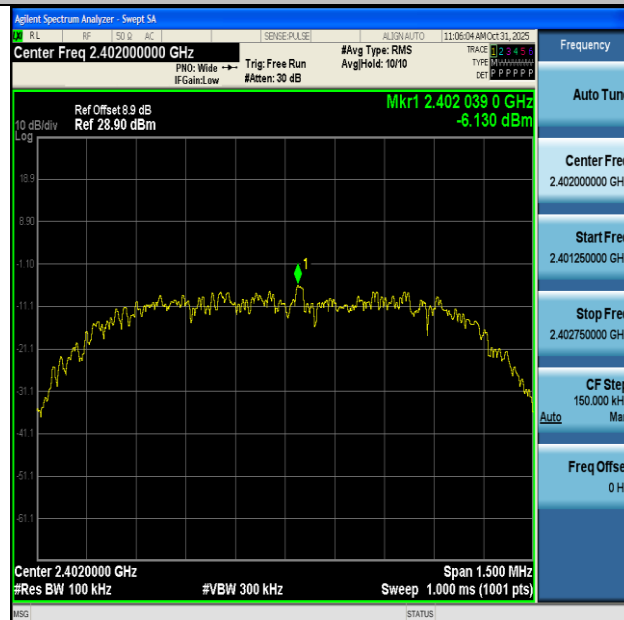


DH5-Ant1-2480-30~1000-PASS



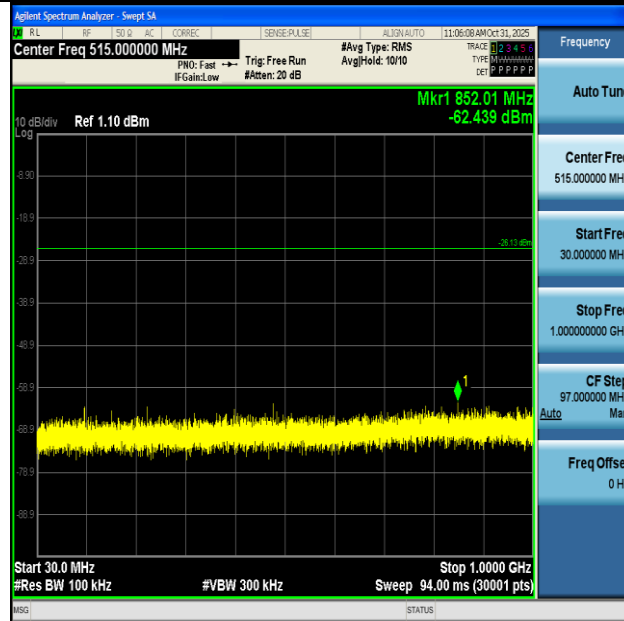


DH5-Ant1-2480-1000~26500-PASS

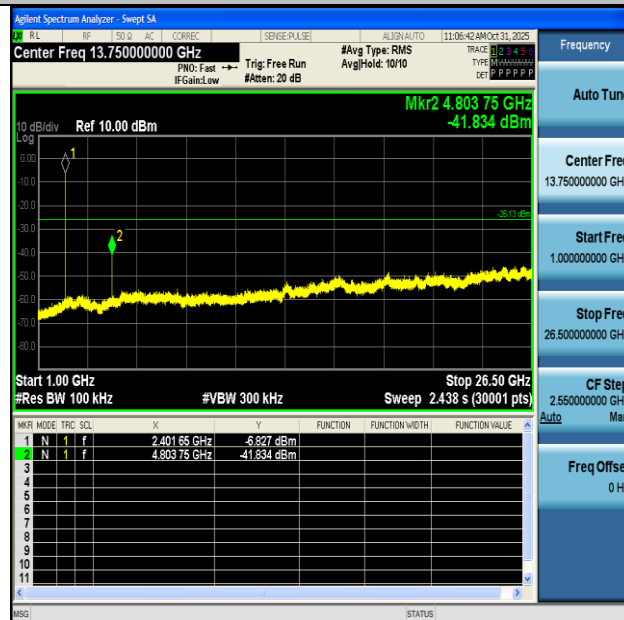


2DH5-Ant1-2402-0~Reference-PASS





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

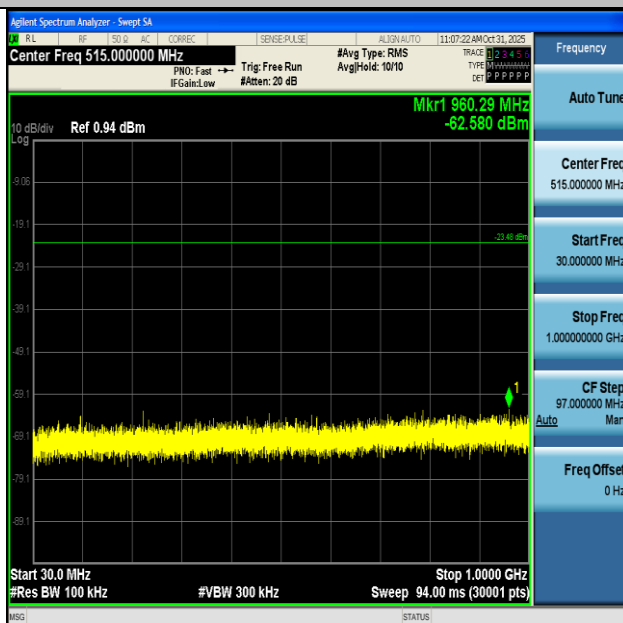


2DH5-Ant1-2402-1000~26500-PASS



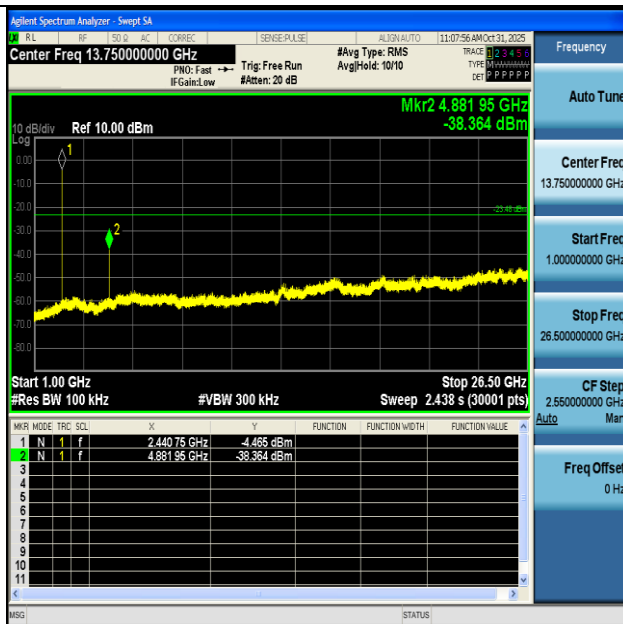


2DH5-Ant1-2441-0~Reference-PASS

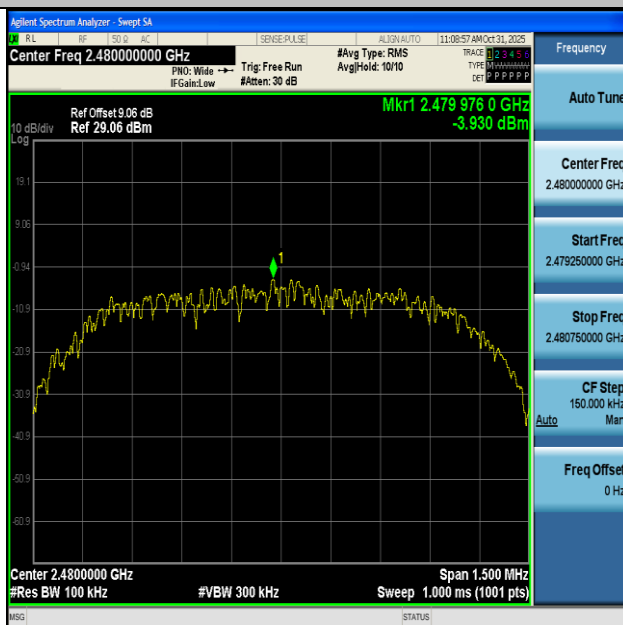


2DH5-Ant1-2441-30~1000-PASS



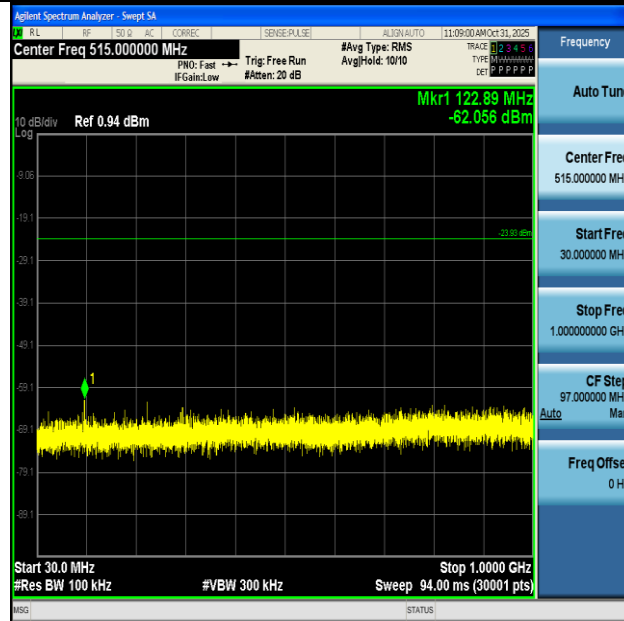


2DH5-Ant1-2441-1000~26500-PASS

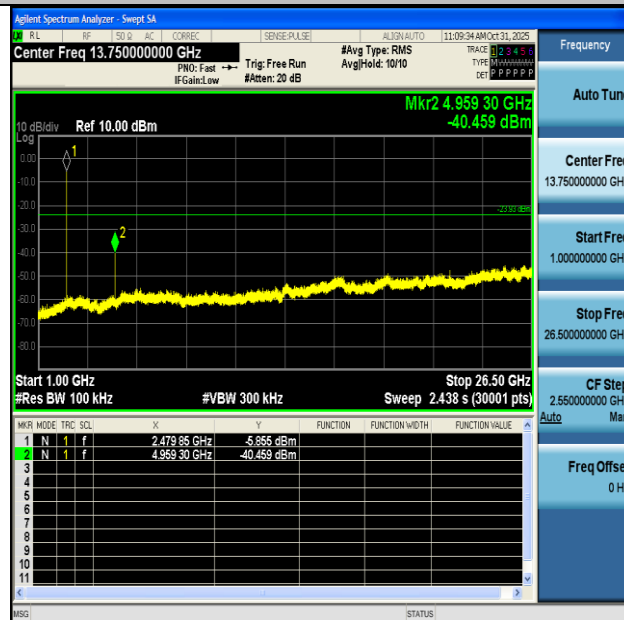


2DH5-Ant1-2480-0~Reference-PASS





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

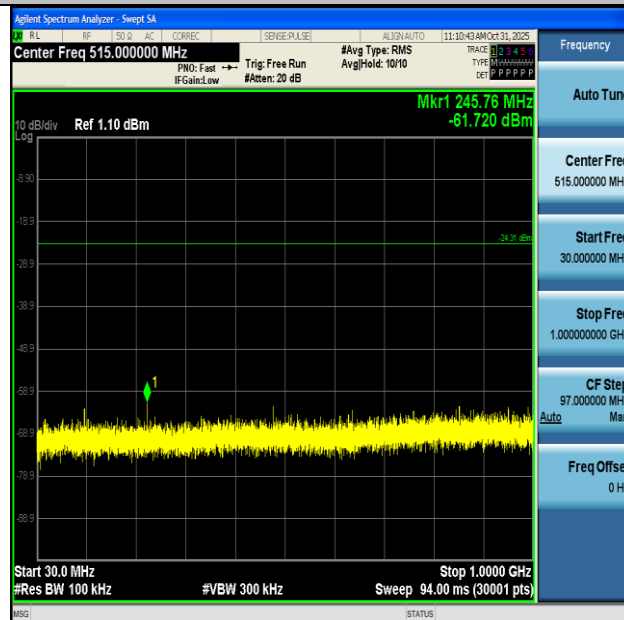


2DH5-Ant1-2480-1000~26500-PASS



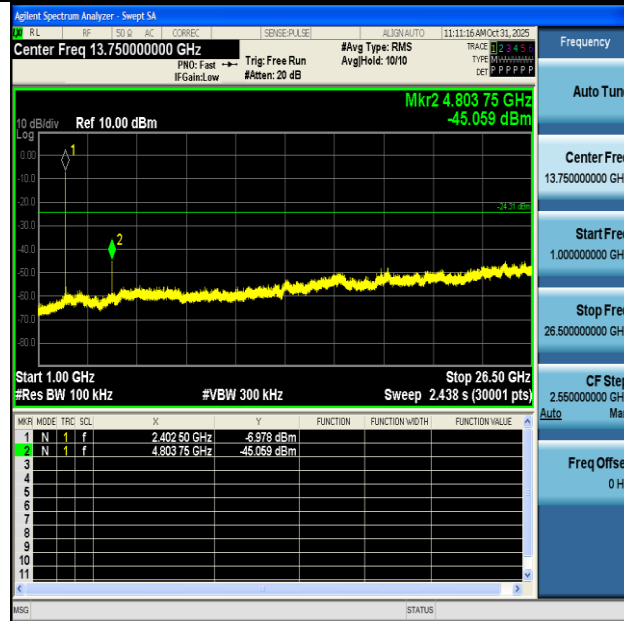


3DH5-Ant1-2402-0~Reference-PASS

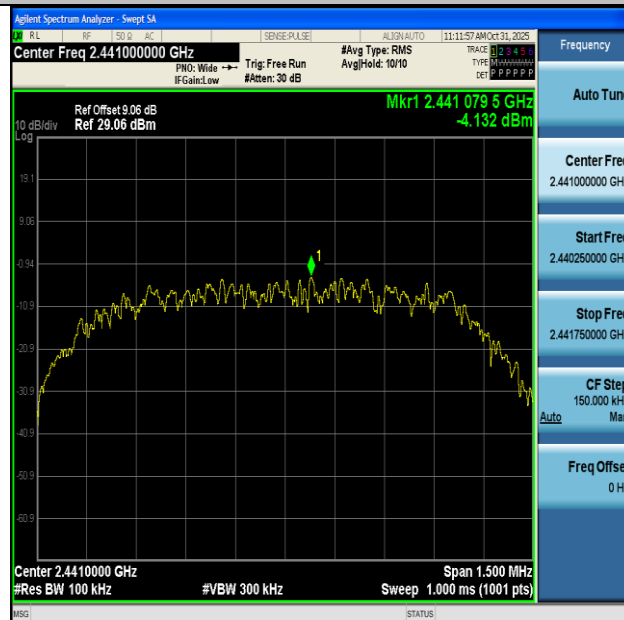


3DH5-Ant1-2402-30~1000-PASS





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

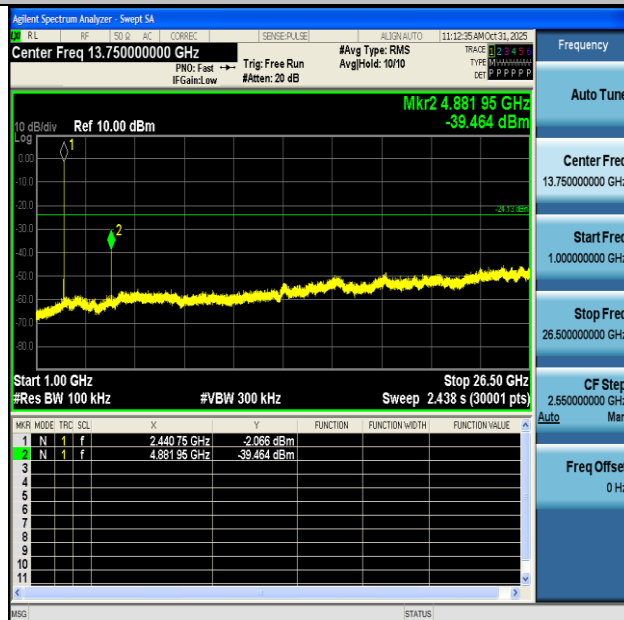


3DH5-Ant1-2441-0~Reference-PASS



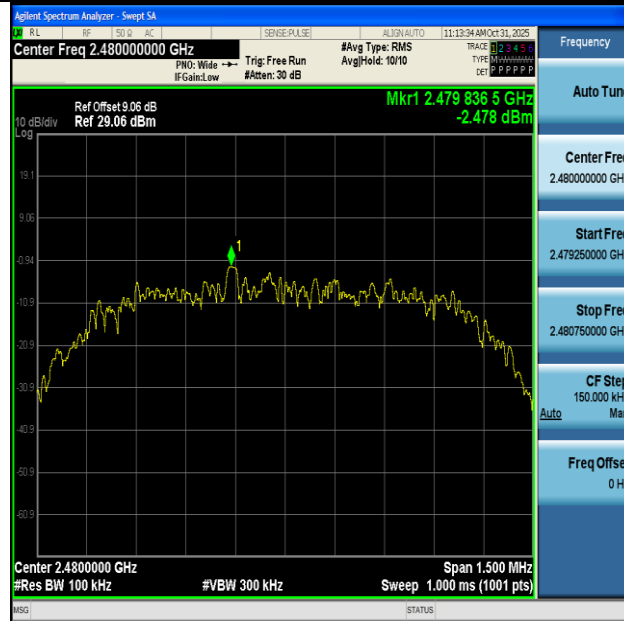


3DH5-Ant1-2441-30~1000-PASS

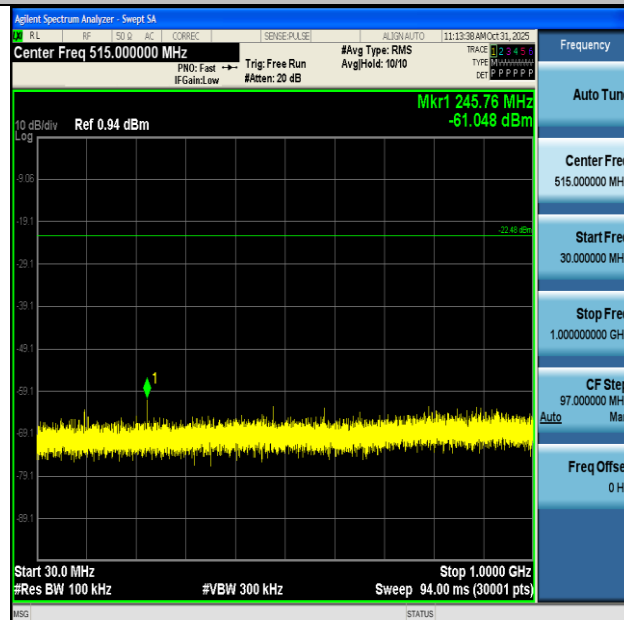


3DH5-Ant1-2441-1000~26500-PASS



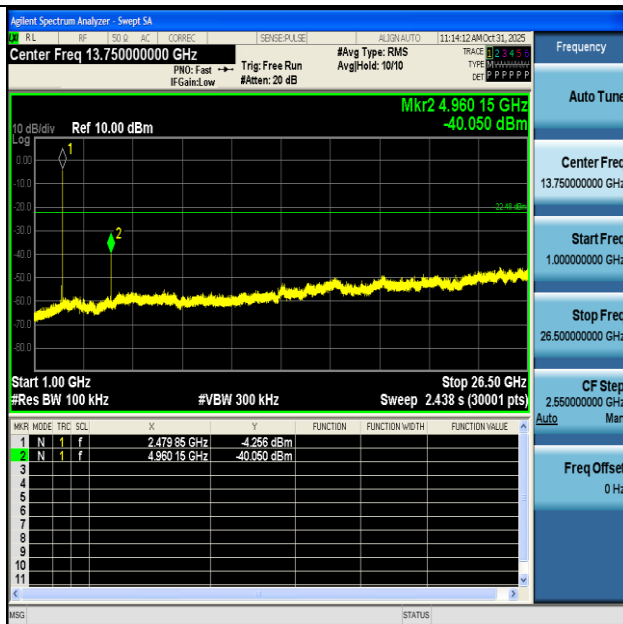


3DH5-Ant1-2480-0~Reference-PASS



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	2.91	3.75	77.60	1.10
DH5	Ant1	2441	2.91	3.75	77.60	1.10
DH5	Ant1	2480	2.90	3.75	77.33	1.12
2DH5	Ant1	2402	2.90	3.75	77.33	1.12
2DH5	Ant1	2441	2.91	3.75	77.60	1.10
2DH5	Ant1	2480	2.90	3.75	77.33	1.12
3DH5	Ant1	2402	2.91	3.75	77.60	1.10
3DH5	Ant1	2441	2.91	3.75	77.60	1.10
3DH5	Ant1	2480	2.91	3.75	77.60	1.10

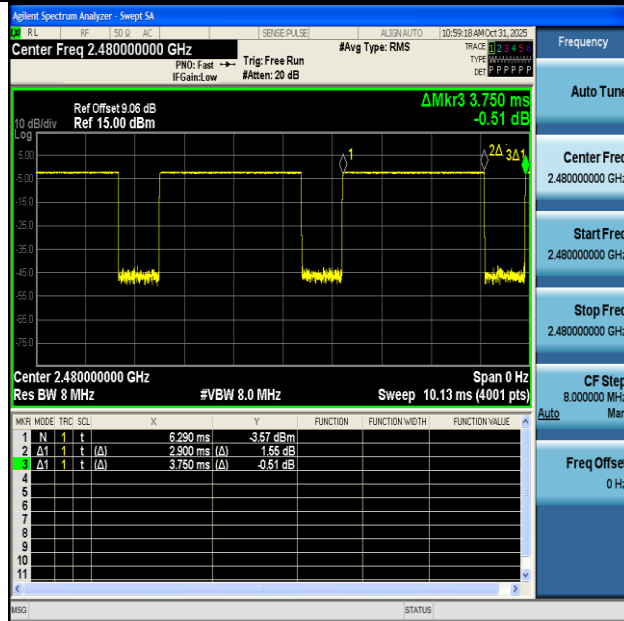
Note: offset(dB) = cable loss(dB) + attenuator factor(dB)



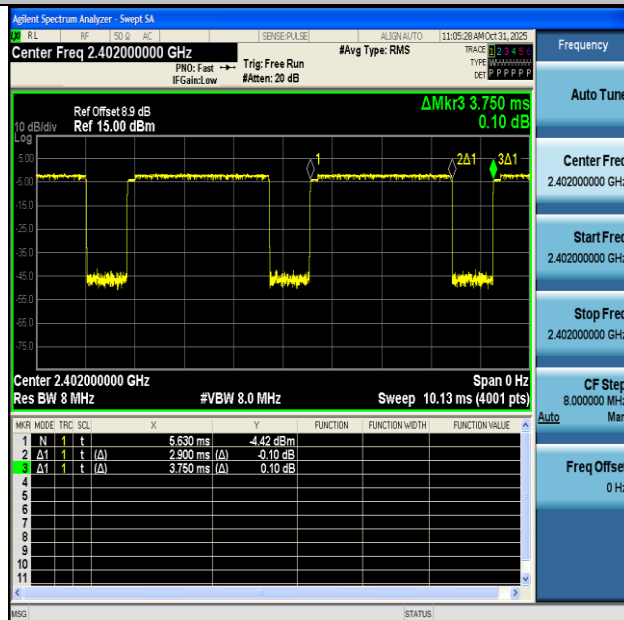


Test Graphs



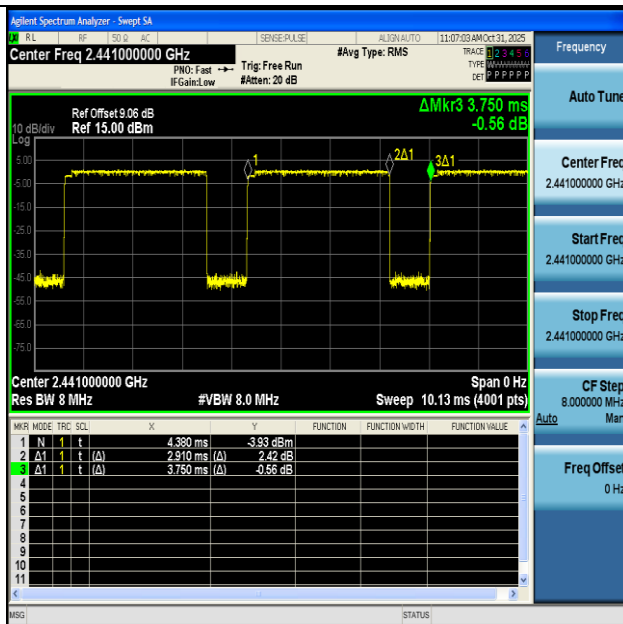


NTNV-DH5-Ant1-2480

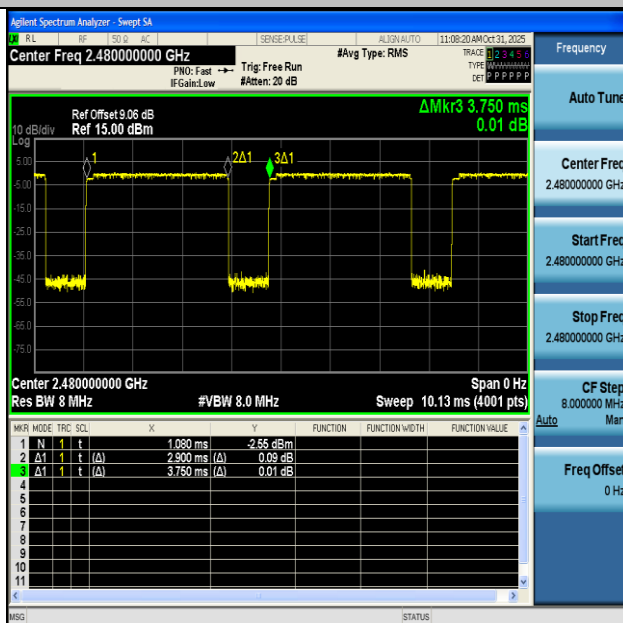


NTNV-2DH5-Ant1-2402



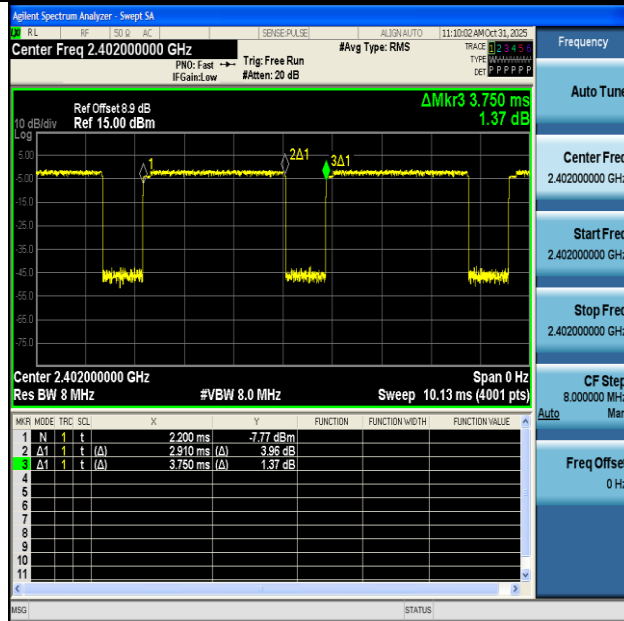


NTNV-2DH5-Ant1-2441

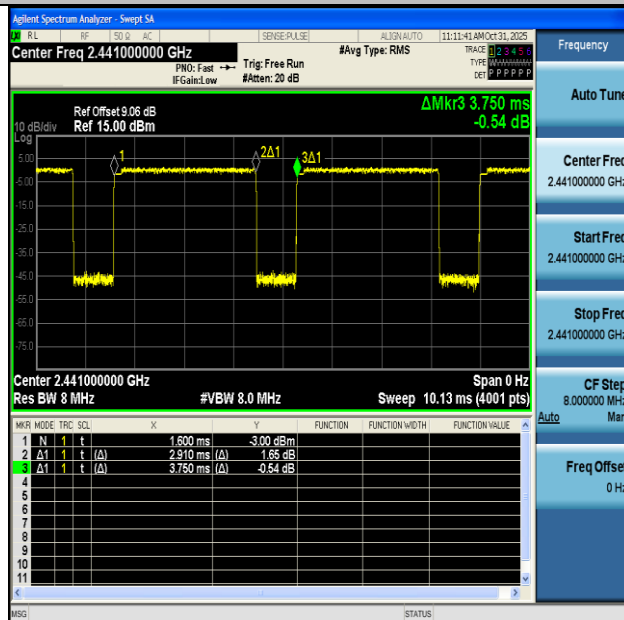


NTNV-2DH5-Ant1-2480





NTNV-3DH5-Ant1-2402



NTNV-3DH5-Ant1-2441





NTNV-3DH5-Ant1-2480

