

Appendix: 2.4GHz

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Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4GHz	Ant1	2405	1.46	2404.32	2405.78	0.5	PASS
2.4GHz	Ant1	2450	1.40	2449.34	2450.73	0.5	PASS
2.4GHz	Ant1	2470	1.53	2469.24	2470.77	0.5	PASS

Test Graphs



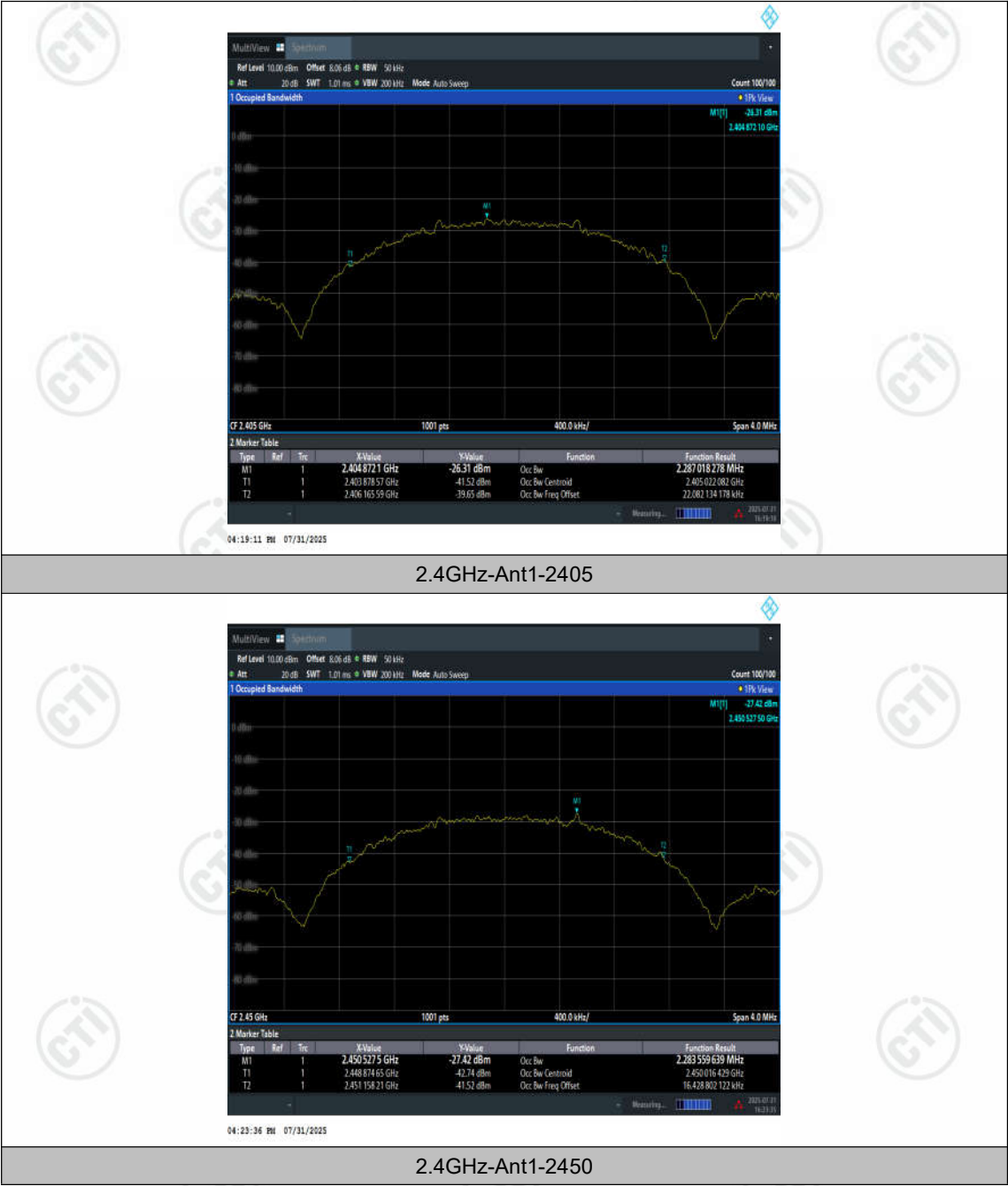


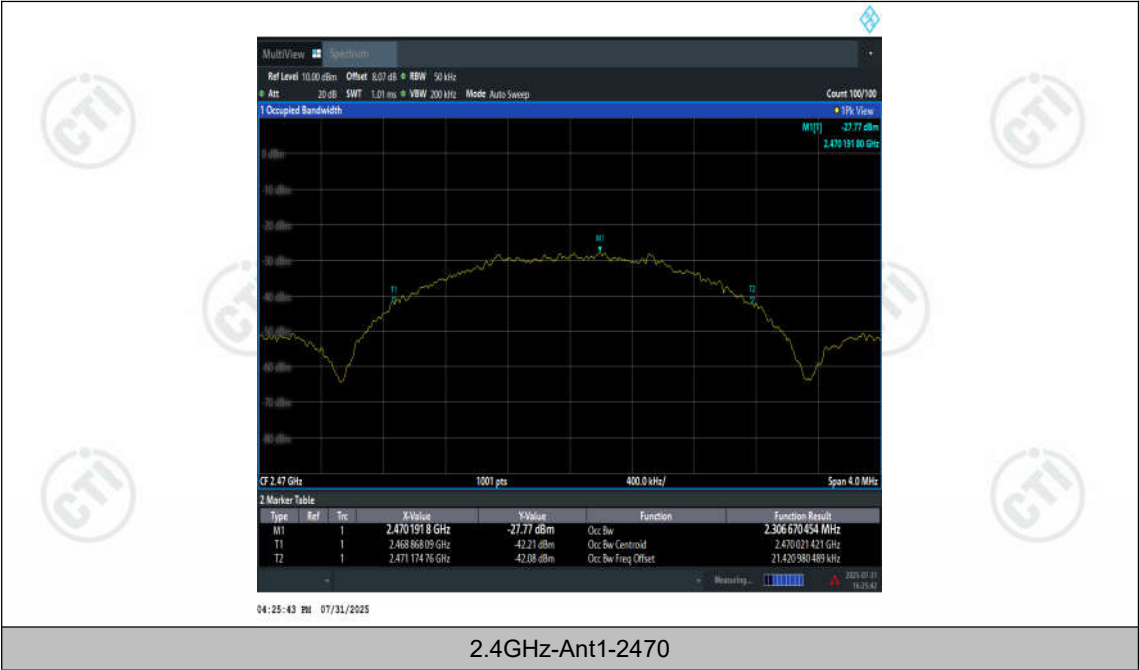
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4GHz	Ant1	2405	2.2870	2403.8786	2406.1656	---	---
2.4GHz	Ant1	2450	2.2836	2448.8746	2451.1582	---	---
2.4GHz	Ant1	2470	2.3067	2468.8681	2471.1748	---	---

Test Graphs

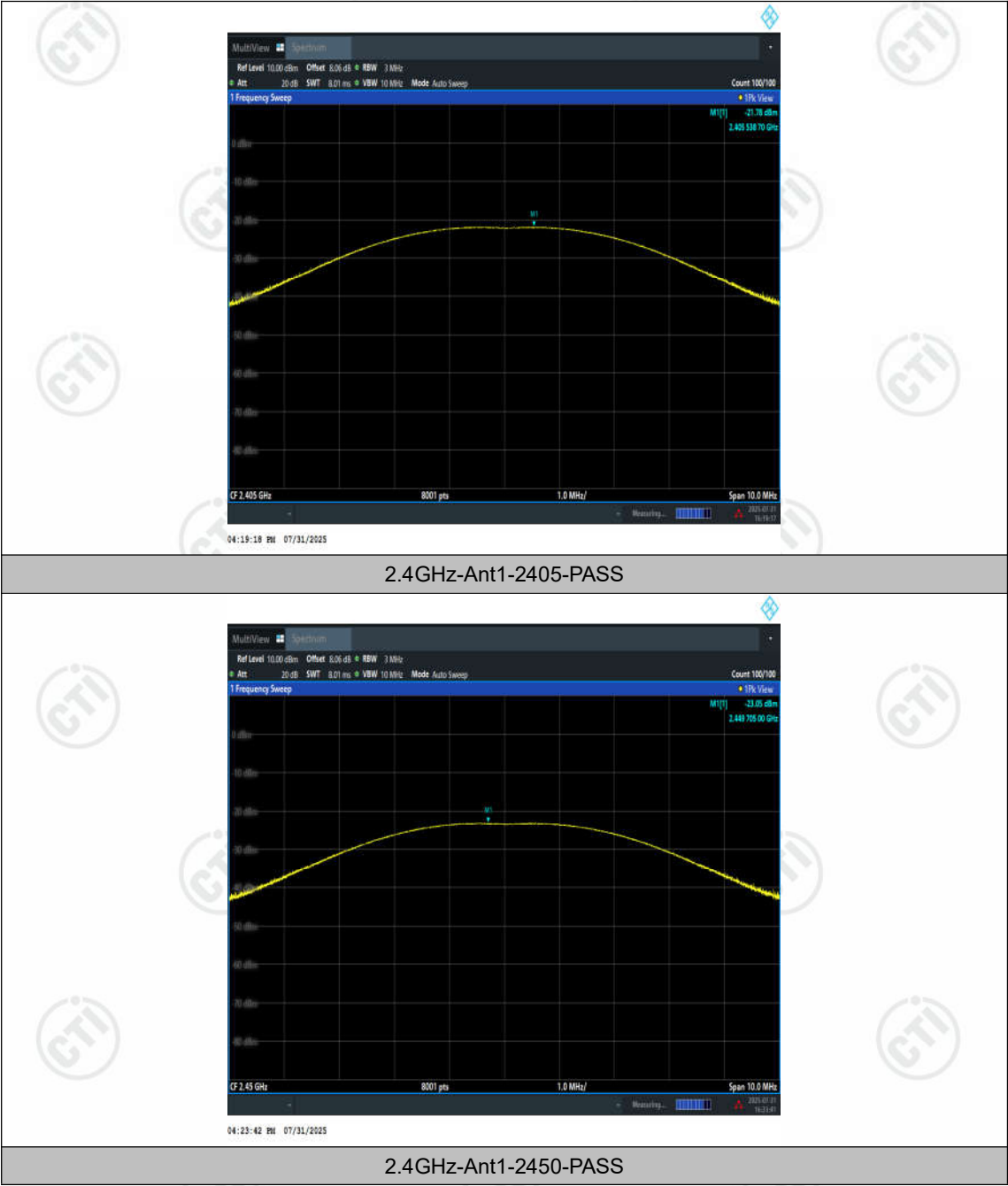


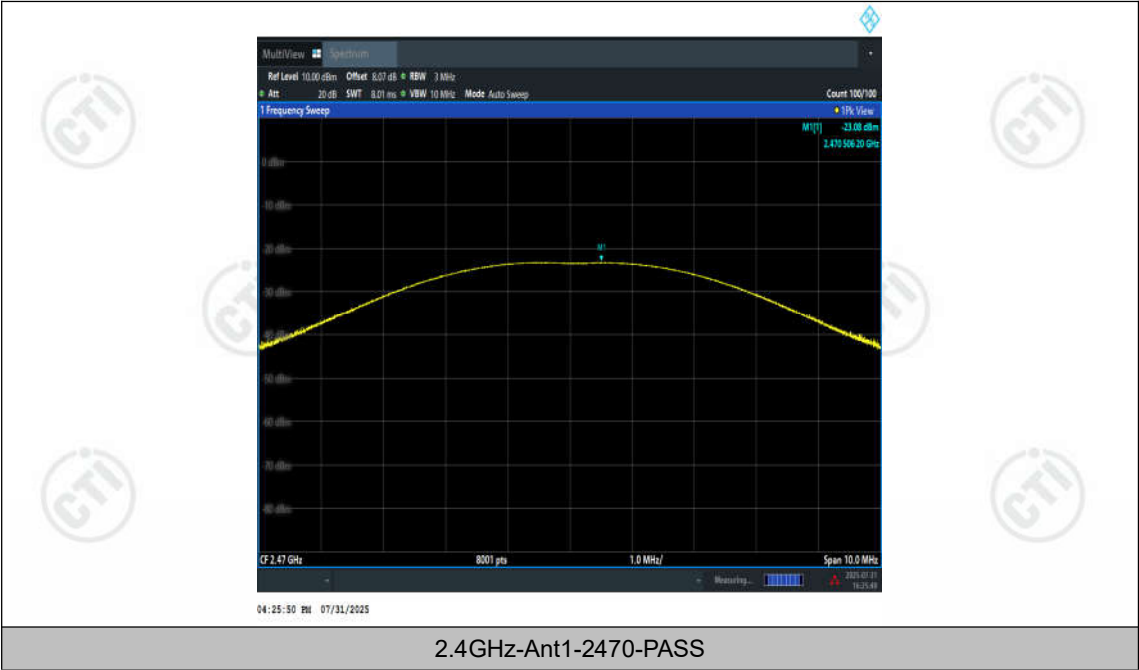


Appendix C: Maximum conducted output power**Test Result Peak**

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
2.4GHz	Ant1	2405	-21.78	≤30	-22.98	≤36	PASS
2.4GHz	Ant1	2450	-23.05	≤30	-24.25	≤36	PASS
2.4GHz	Ant1	2470	-23.08	≤30	-24.28	≤36	PASS

Test Graphs Peak





Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
2.4GHz	Ant1	2405	-35.72	≤8.00	PASS
2.4GHz	Ant1	2450	-36.43	≤8.00	PASS
2.4GHz	Ant1	2470	-37.95	≤8.00	PASS

MultiView Spectrum

Ref Level: 20.00 dBm Offset: 0.06 dB RBW: 3 kHz

Att: 30.00 SWT: 1.4 ms (-37 ns) VBW: 10 kHz Mode: Auto FFT

Count: 150/100

1 Frequency Sweep

M1[1] -85.72 dBm 2.405 GHz 0.0 GHz

CF 2.405 GHz 30000 pts 292.0 kHz/ Span 2.92 MHz

Measuring...

04:19:25 PM 07/31/2025

MultiView Spectrum

Ref Level 30.00 dBm Offset 8.06 dB = 99W 3 kHz

Att 30.00 SWF 1.4 ms (-38 ns) = VBW 10 kHz Mode Auto FFT

Count 100/100

• 199.7 View

Frequency Sweep

M1[V] 36.45 dBm
2,449,938.487 D Gr

30 dBm
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm

30000 pts 280.0 kHz/ Span 2.8 MHz

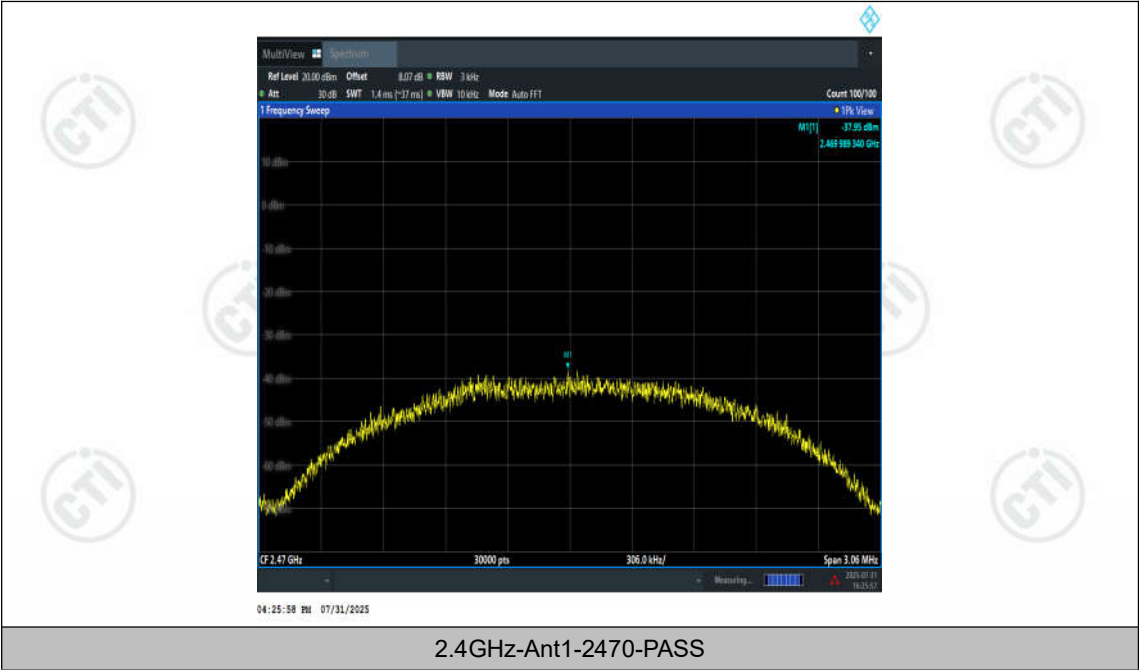
CF 2.45 GHz

Measuring...

2023.03.18 16:34

04:23:50 PM 07/31/2025

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Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4GHz	Ant1	Low	2405	-24.51	-60.09	≤-44.51	PASS
2.4GHz	Ant1	High	2470	-24.92	-59.59	≤-44.92	PASS

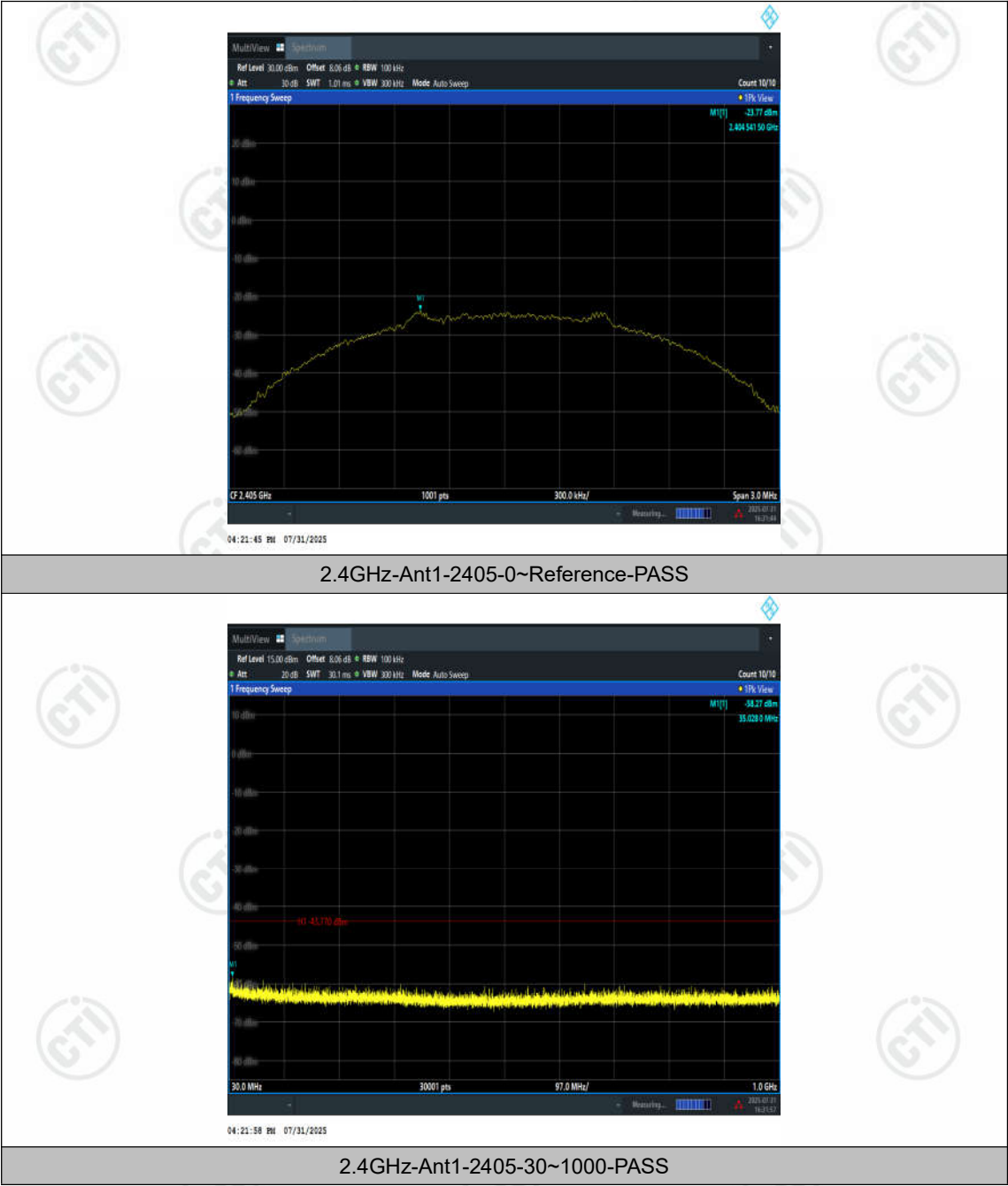
Test Graphs

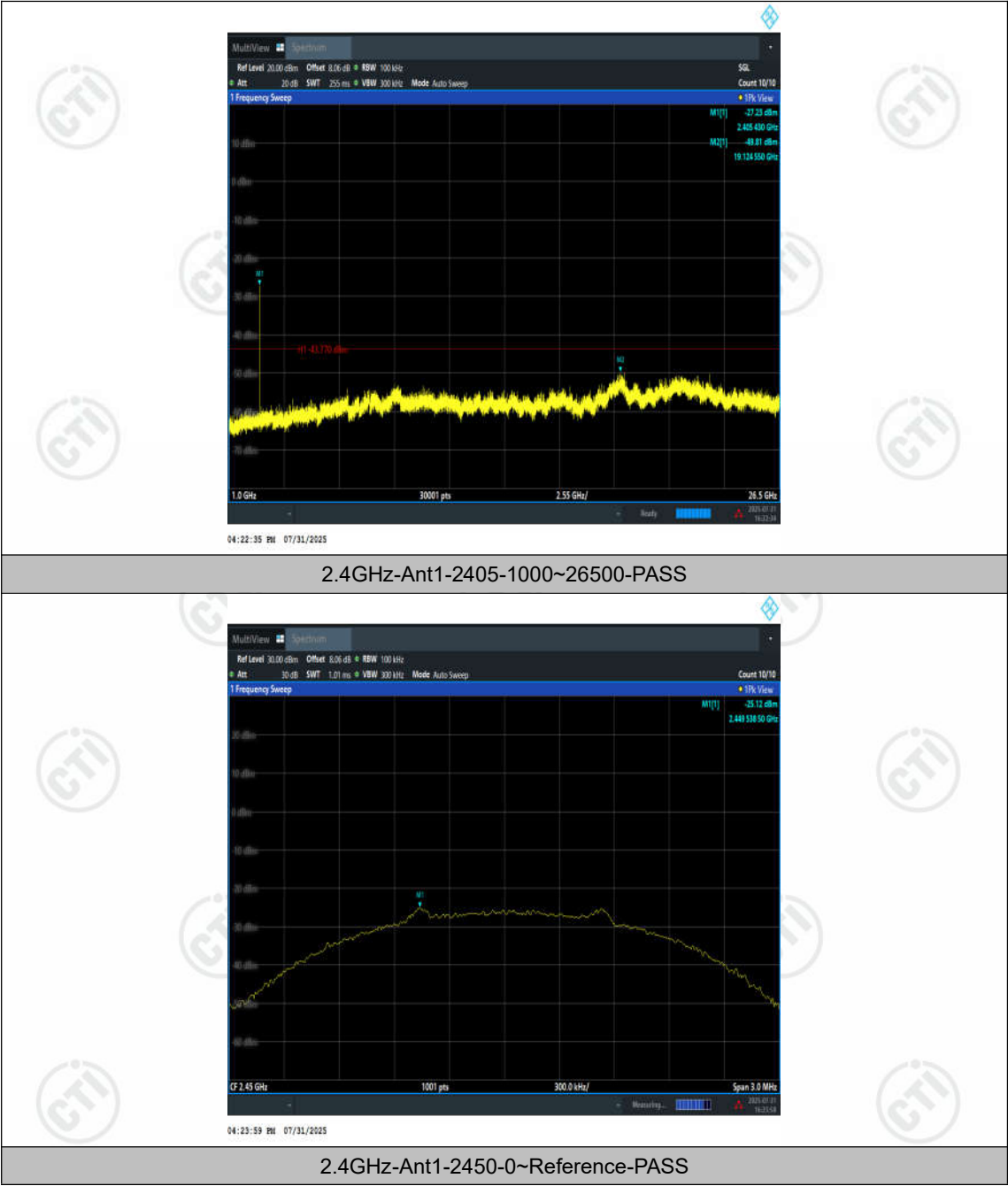


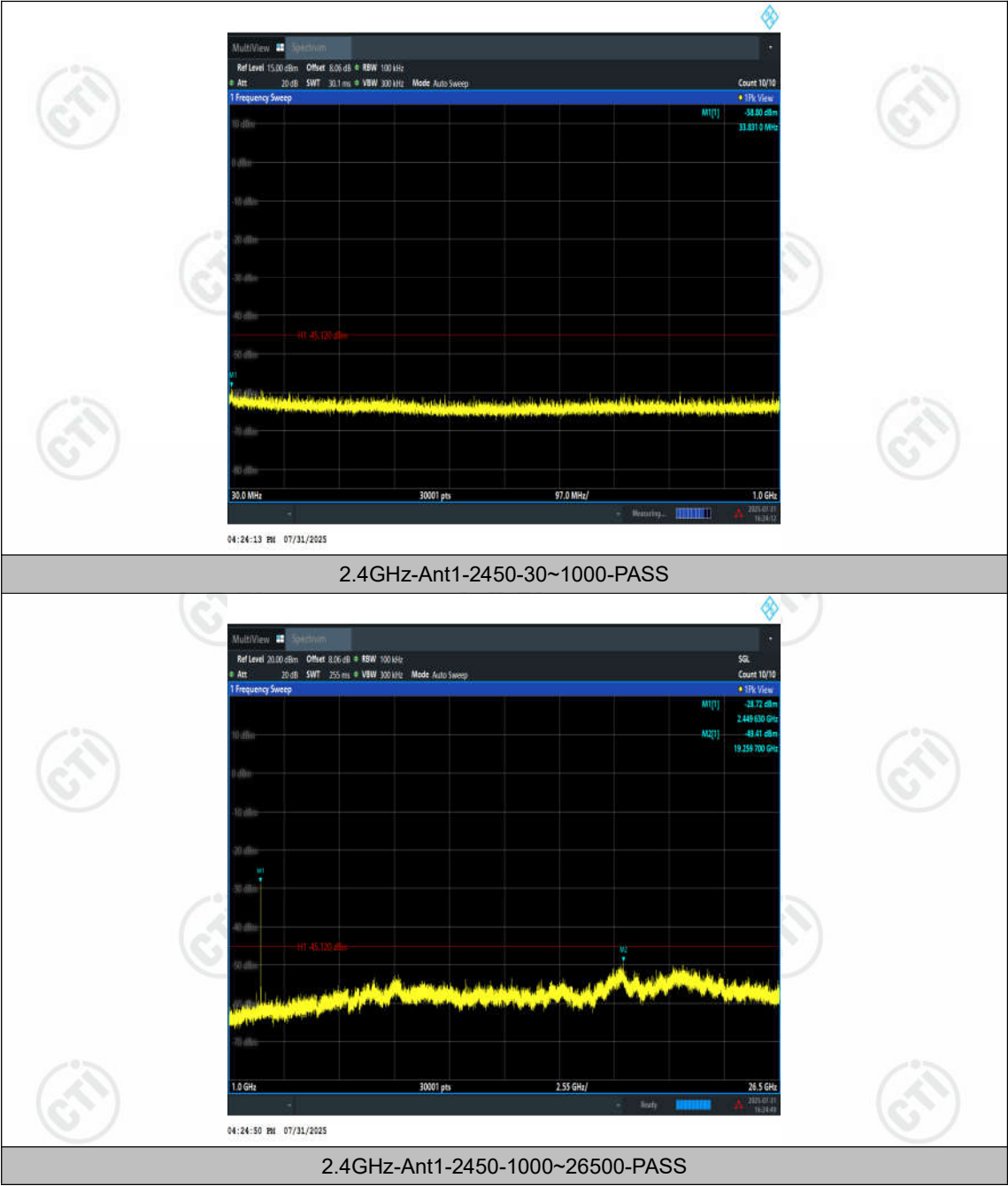
Appendix G: Conducted Spurious Emission**Test Result**

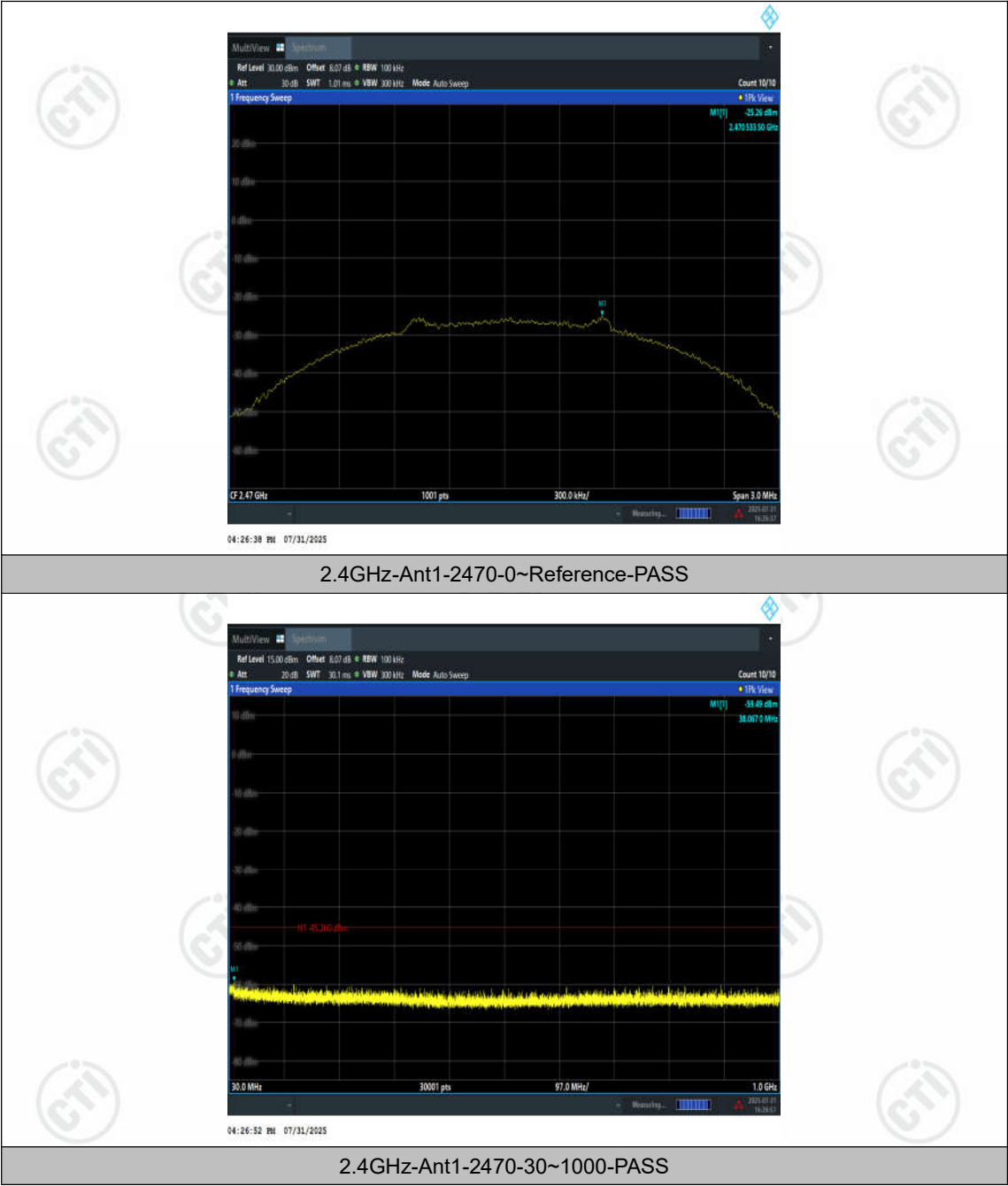
TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
2.4GHz	Ant1	2405	0~Reference	-23.77	-23.77	---	PASS
2.4GHz	Ant1	2405	30~1000	-23.77	-58.27	≤ -43.77	PASS
2.4GHz	Ant1	2405	1000~26500	-23.77	-49.81	≤ -43.77	PASS
2.4GHz	Ant1	2450	0~Reference	-25.12	-25.12	---	PASS
2.4GHz	Ant1	2450	30~1000	-25.12	-58.8	≤ -45.12	PASS
2.4GHz	Ant1	2450	1000~26500	-25.12	-49.41	≤ -45.12	PASS
2.4GHz	Ant1	2470	0~Reference	-25.26	-25.26	---	PASS
2.4GHz	Ant1	2470	30~1000	-25.26	-59.49	≤ -45.26	PASS
2.4GHz	Ant1	2470	1000~26500	-25.26	-49.03	≤ -45.26	PASS

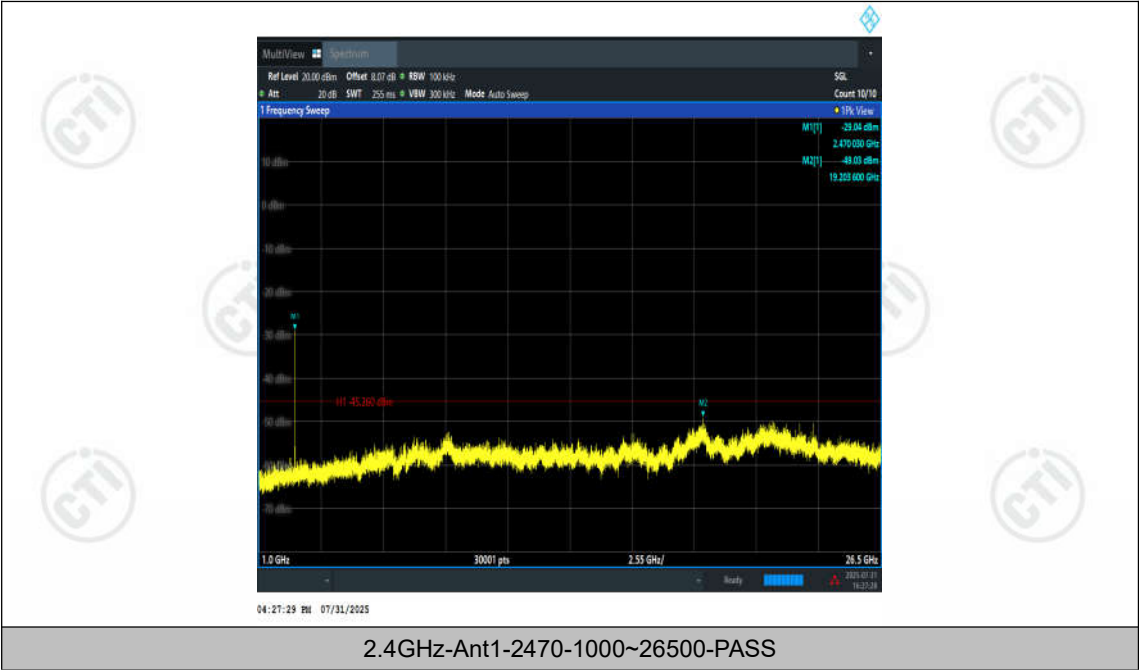
Test Graphs











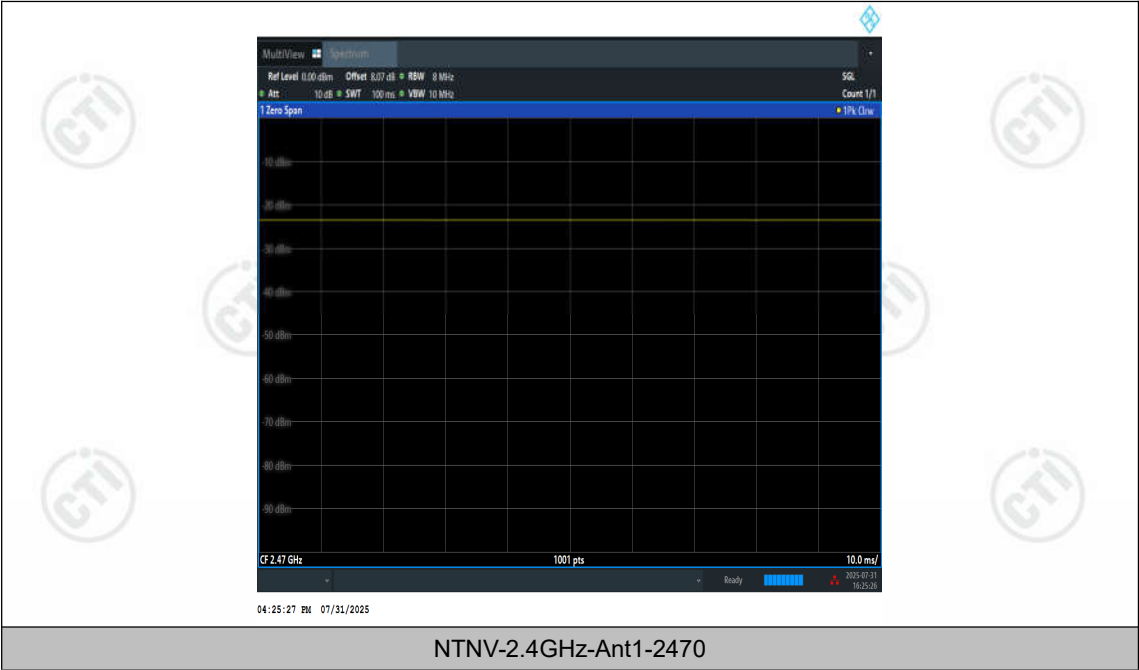
Appendix H: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4GHz	Ant1	2405	0.00	0.00	100	NaN
2.4GHz	Ant1	2450	0.00	0.00	100	NaN
2.4GHz	Ant1	2470	0.00	0.00	100	NaN

Test Graphs





NTNV-2.4GHz-Ant1-2470

*** End of Report ***