

Tahoe WiFi1 Antenna Datasheet



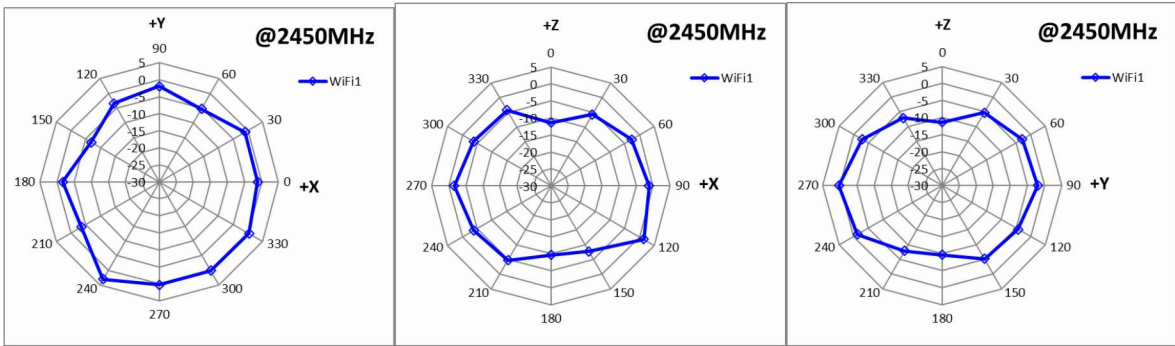
Specifications:

	WiFi1
Antenna Manufacturer Name	Auden
Address	No.19, Ln. 772, Heping Rd., Bade Dist., Taoyuan City 33463, Taiwan
Manufacturers P/N:	B53023-30
Zebra P/N:	P1110774-02
Test Engineer	Emma Huang
Test dates	2023-09-20
Frequency Range	2.4-2.5GHz, 5.15-5.825GHz
Impedance	50Ω
VSWR	2:1
Cable/connector	1.13 Coaxial Cable, MHF1L
Cable loss	2.4-2.5GHz: -0.4dB/100mm 5.15-5.825GHz: -0.6dB/100mm
Cable length	48.65mm
Peak gain (dBi)	2400MHz: 3.0 2450MHz: 3.0 2500MHz: 3.3 5150MHz: 1.0 5350MHz: 1.9 5470MHz: 2.1 5725MHz: -1.6 5825MHz: -2.5
Antenna type	Monopole
Polarization	Linear
Frequency vs Gain table (dB)	2400MHz: -2.3 2450MHz: -2.3 2500MHz: -2.5 5150MHz: -4.0 5350MHz: -4.1 5470MHz: -4.9 5725MHz: -6.4 5825MHz: -7.0

Radiation Pattern	2D - 3 planes Please refer below Figure1.
Test Equipment HW & SW	HW: GTS2800 SW: Libra Version-3.0.3.1
Test equipment Calibration Date	2023-01-03
Test Set up photos	Please refer below Figure2.
Test Description	Put the DUT in GTS2800 and use Libra Version-3.0.3.1 to test antenna performance.

Figure1. Antenna Radiation Patterns (which shows peak gain):

2.45GHz:



5.47GHz:

