

## Tahoe WiFi2 Antenna Datasheet



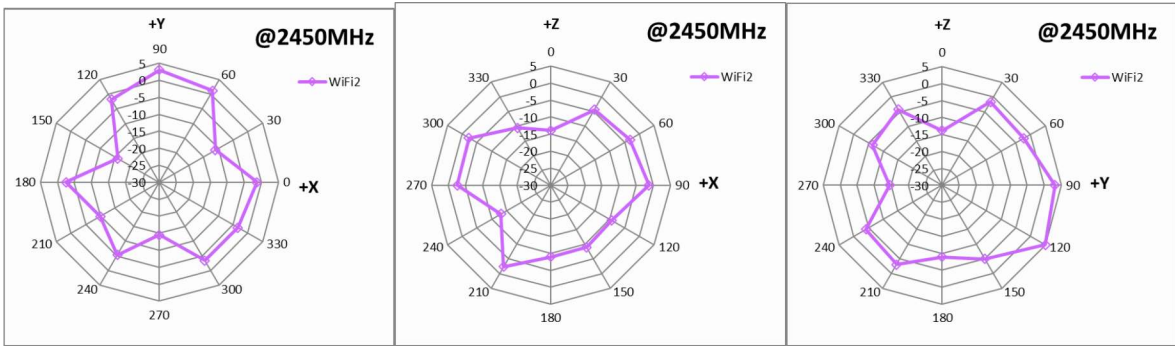
### Specifications:

	WiFi2
<b>Antenna Manufacturer Name</b>	Auden
<b>Address</b>	No.19, Ln. 772, Heping Rd., Bade Dist., Taoyuan City 33463, Taiwan
<b>Manufacturers P/N:</b>	B53025-30
<b>Zebra P/N:</b>	P1110774-05
<b>Test Engineer</b>	Emma Huang
<b>Test dates</b>	2023-05-11
<b>Frequency Range</b>	2.4-2.5GHz, 5.15-5.825GHz
<b>Impedance</b>	50Ω
<b>VSWR</b>	2:1
<b>Cable/connector</b>	1.13 Coaxial Cable, MHF1L
<b>Cable loss</b>	2.4-2.5GHz: -0.4dB/100mm 5.15-5.825GHz: -0.6dB/100mm
<b>Cable length</b>	243.43mm
<b>Peak gain (dBi)</b>	2400MHz: 3.6 2450MHz: 5.0 2500MHz: 5.1 5150MHz: 0.9 5350MHz: 3.2 5470MHz: 3.1 5725MHz: 2.7 5825MHz: 1.5
<b>Antenna type</b>	Monopole
<b>Polarization</b>	Linear
<b>Frequency vs Gain table (dB)</b>	2400MHz: -3.3 2450MHz: -2.8 2500MHz: -2.7 5150MHz: -5.0 5350MHz: -4.9 5470MHz: -4.7 5725MHz: -4.2 5825MHz: -4.4

<b>Radiation Pattern</b>	2D - 3 planes Please refer below Figure1.
<b>Test Equipment HW &amp; SW</b>	HW: GTS2800 SW: Libra Version-3.0.3.1
<b>Test equipment Calibration Date</b>	2023-01-03
<b>Test Set up photos</b>	Please refer below Figure2.
<b>Test Description</b>	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:**

