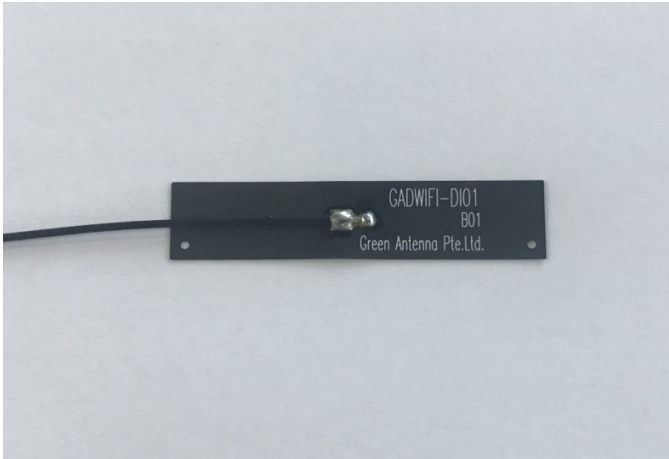


# Flex Dual Band WiFi (2.4GHz/5GHz) Antenna

Part No. GADWIFI-DI01

## Product Specification



### ➤ Applications

- Smart phones
- Tablets
- Laptops
- Wireless dongles
- Automotive

### ➤ Features

- FPC High Efficiency Dual Band WiFi Antenna
- Designed for 2.4 GHz and 5GHz dual band WiFi applications
- Linear Polarization
- Omni-Directional
- IPEX Connector
- Miniature and light weight
- RoHS Compliance
- 3M300LSE adhesive

# Flex Dual Band WiFi (2.4GHz/5GHz) Antenna

Part No. GADWIFI-DI01



## ➤ Specification

ELECTRICAL	
Frequency	2.4 ~ 2.5 GHz & 4.9 ~ 5.85 GHz
S11	< -10dB
VSWR	< 2:1
Maximum Gain	~2dBi@2.4GHz, ~2.5dbi@5GHz
Polarization	Linear
Impedance	50 Ohms
Total Efficiency	~60%@2.4GHz, ~40%@5GHz
Radiation Pattern	Omni
Maximum Power	2watts max.
MECHANICAL	
Dimension	52.5mm(±0.2mm) x 11.3mm(±0.2mm) x 0.22mm(±0.05mm)
Coxial Cable	Length 315mm, Dia 1.13mm
Connector	IPEX
ENVIROMENTAL	
Temperature Range	-25°C to +80°C
Humidity	50% to 95% RH

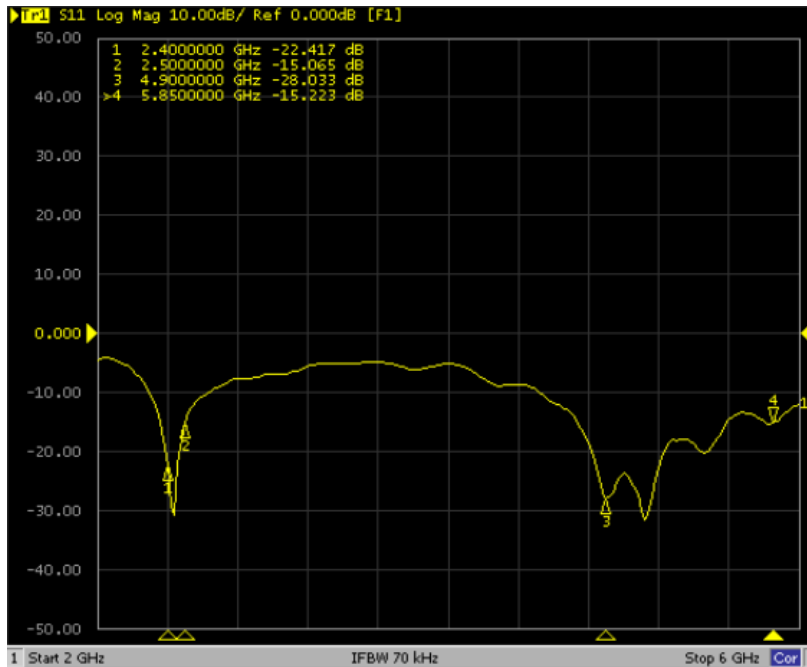
GA Antenna

# Flex Dual Band WiFi (2.4GHz/5GHz) Antenna

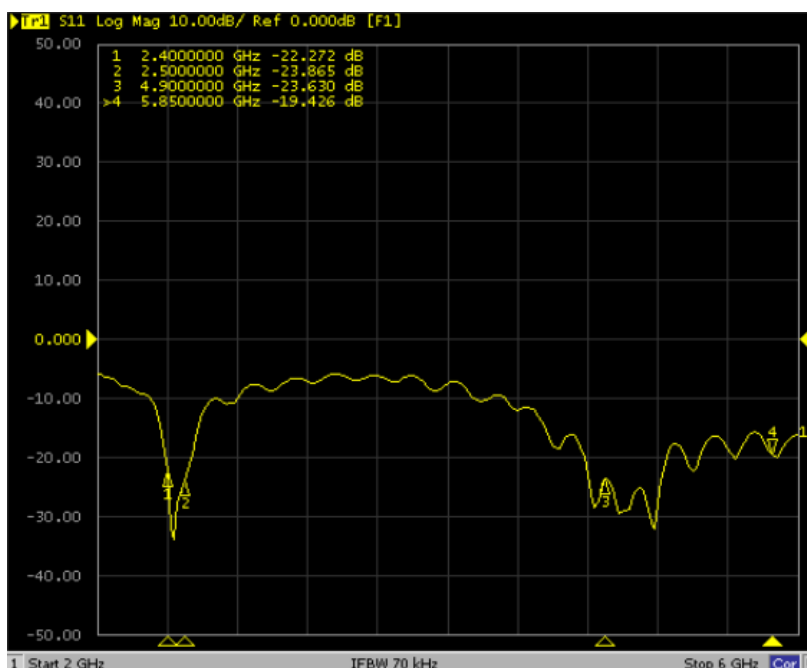
Part No. GADWIFI-DI01

## Product Specification

Reference S11 (Placed on 1mm PC/ABS Matreial)  
Cable length: 24.5cm



Cable length: 42.5cm



# Flex Dual Band WiFi (2.4GHz/5GHz) Antenna

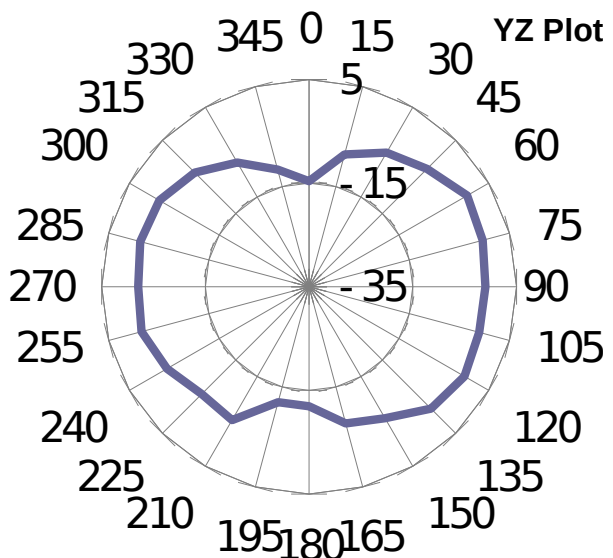
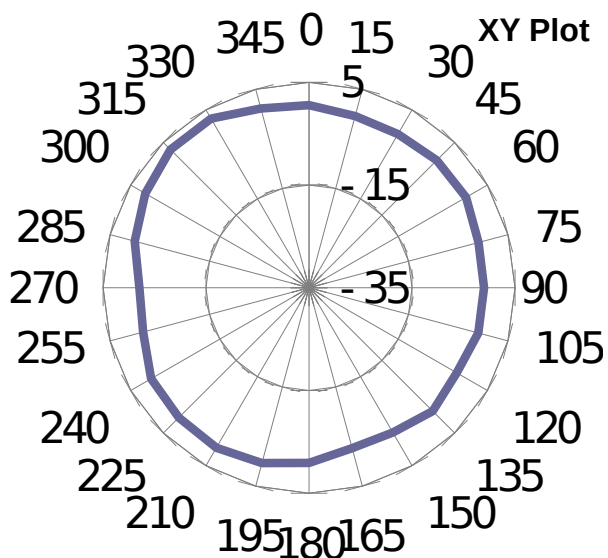
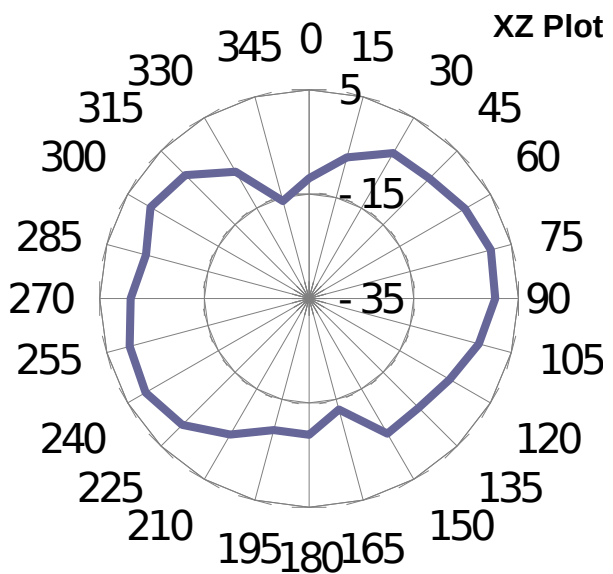
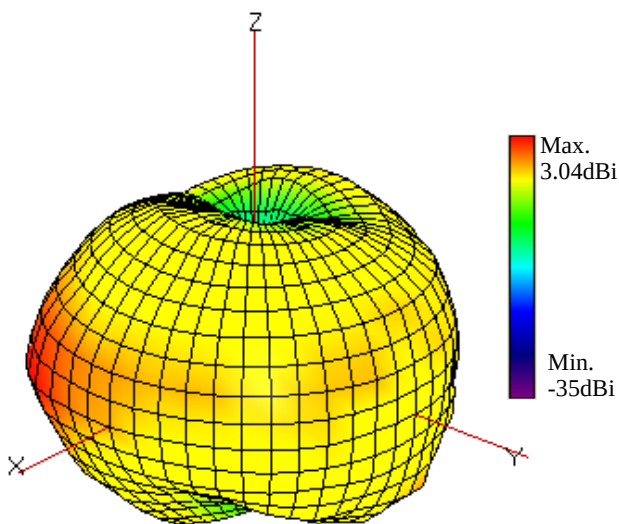
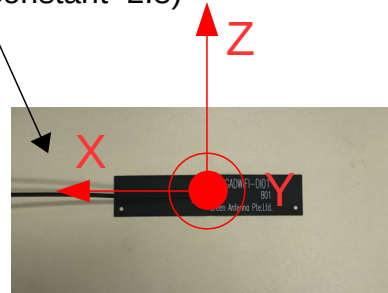
Part No. GADWIFI-DI01



Radiation Pattern at 2442MHz

Cable length: 24.5cm

PC/ABS(Dielectric constant=2.8)



GA Antenna

# Flex Dual Band WiFi (2.4GHz/5GHz) Antenna

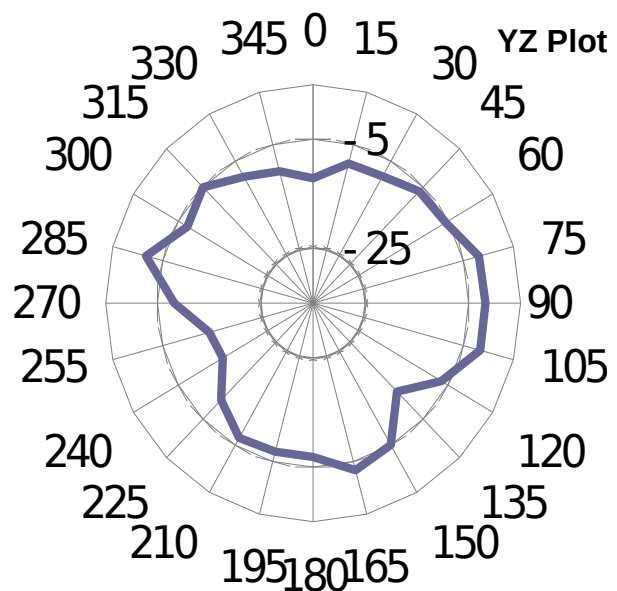
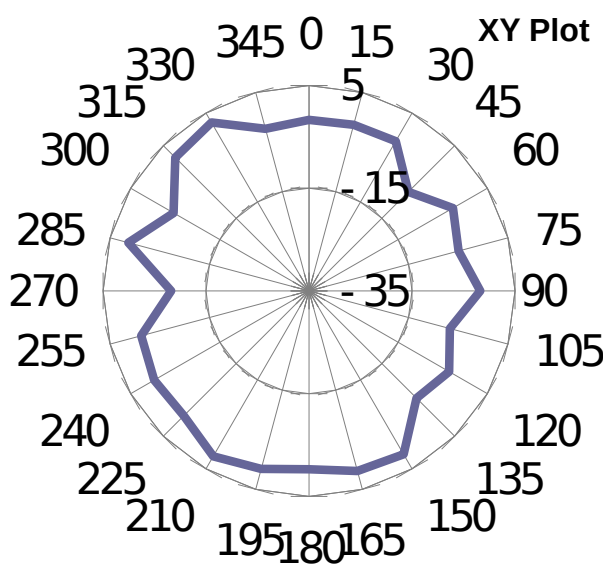
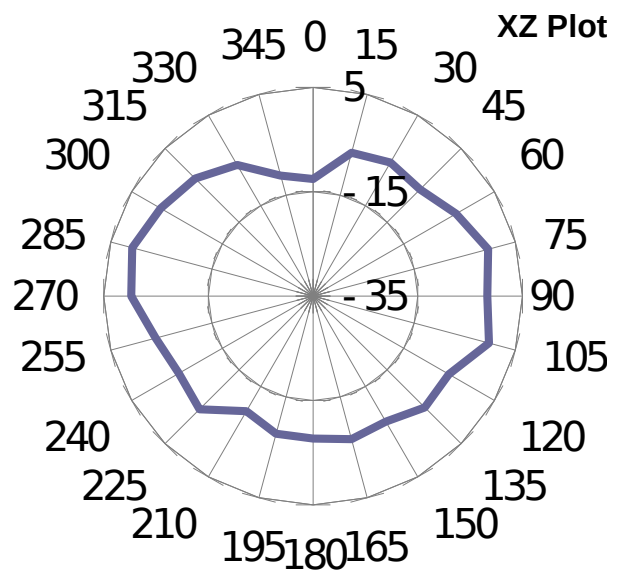
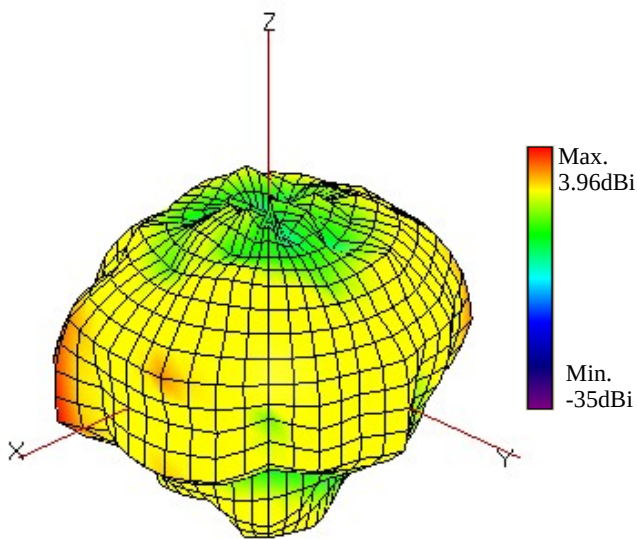
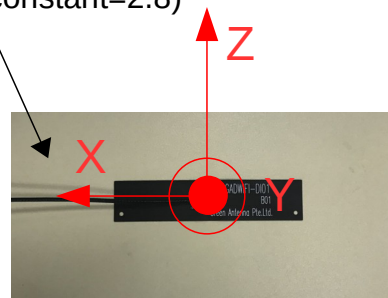
Part No. GADWIFI-DI01



Radiation Pattern at 5470MHz

Cable length: 24.5cm

PC/ABS(Dielectric constant=2.8)



GA Antenna

# Flex Dual Band WiFi (2.4GHz/5GHz) Antenna

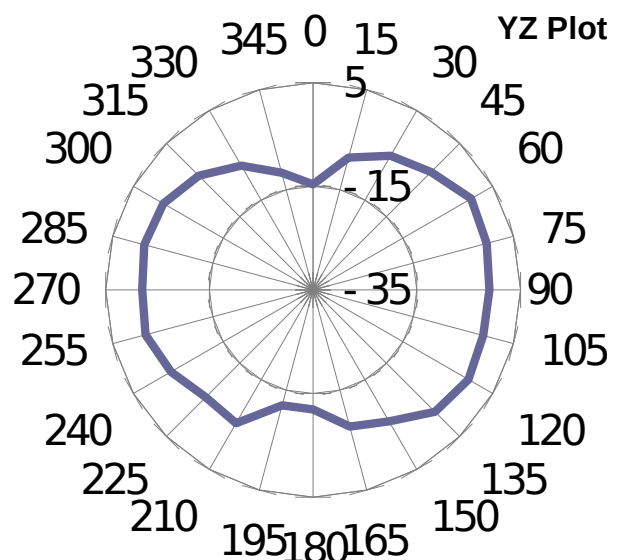
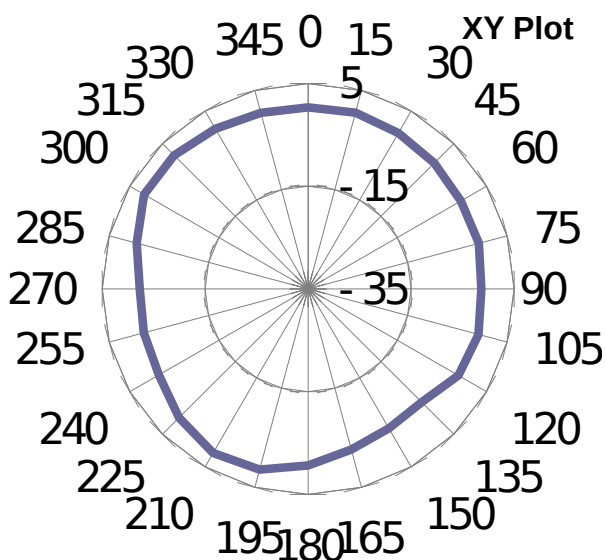
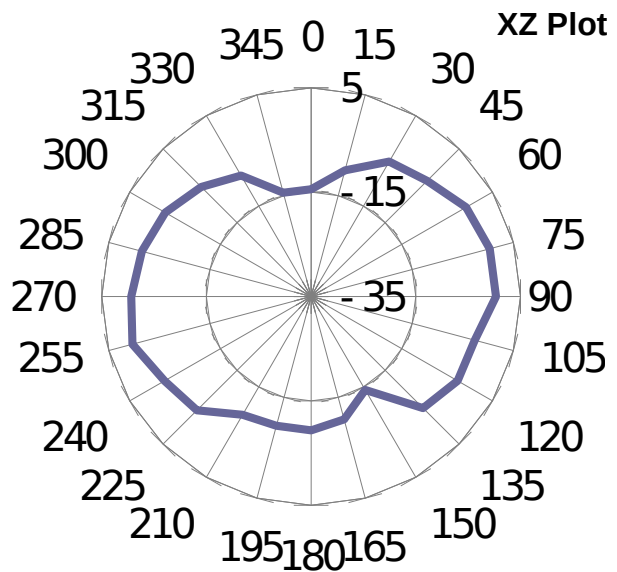
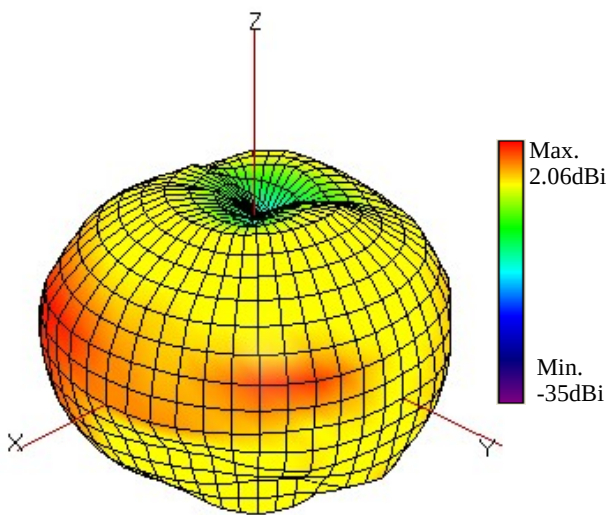
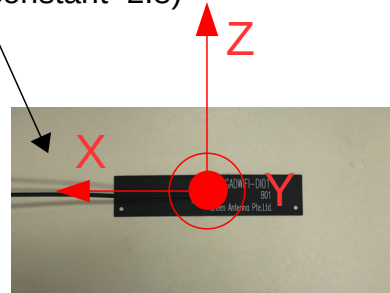
Part No. GADWIFI-DI01



Radiation Pattern at 2442MHz

Cable length: 42.5cm

PC/ABS(Dielectric constant=2.8)



GA Antenna

# Flex Dual Band WiFi (2.4GHz/5GHz) Antenna

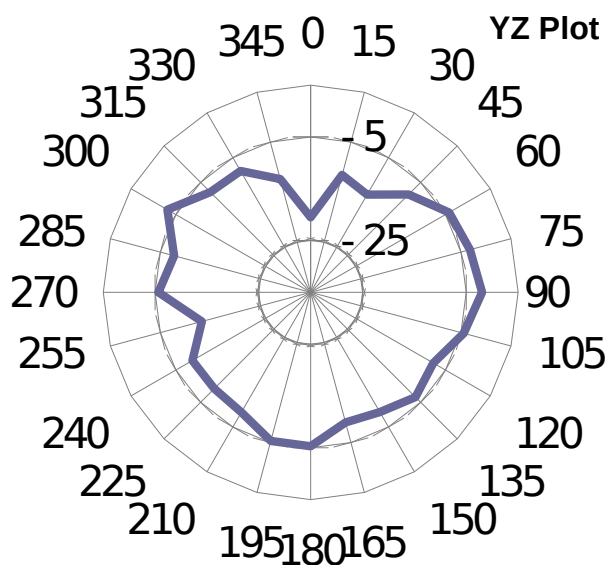
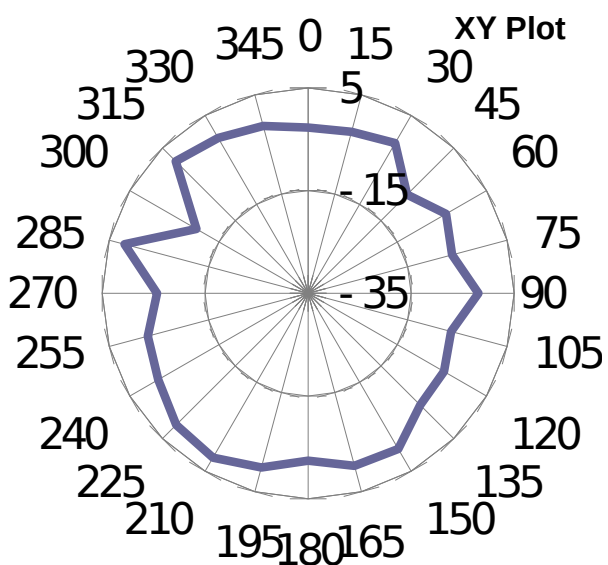
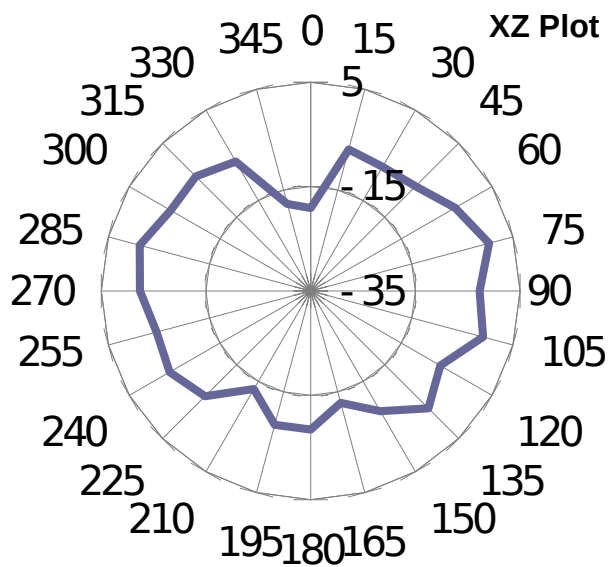
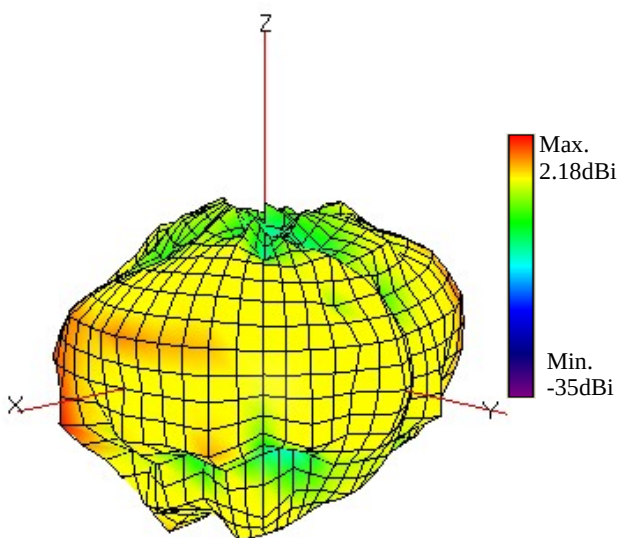
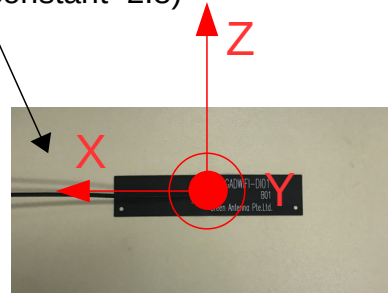
Part No. GADWIFI-DI01



Radiation Pattern at 5470MHz

Cable length: 42.5cm

PC/ABS(Dielectric constant=2.8)



GA Antenna

# Flex Dual Band WiFi (2.4GHz/5GHz) Antenna

Part No. GADWIFI-DI01



Total Efficiency

Cable Length: 24.5cm

Frequency (MHz)	Efficiency (%)	3D Gain (dB)	Peak Gain (dBi)
2402.00	<b>73.47%</b>	-1.34	3.29
2442.00	<b>68.70%</b>	-1.63	3.04
2484.00	<b>70.55%</b>	-1.52	3.41
4900.00	<b>50.22%</b>	-2.99	3.02
5150.00	<b>54.58%</b>	-2.63	3.98
5470.00	<b>49.80%</b>	-3.03	3.96
5825.00	<b>47.10%</b>	-3.27	4.09

Cable Length: 42.5cm

Frequency (MHz)	Efficiency (%)	3D Gain (dB)	Peak Gain (dBi)
2402.00	<b>64.05%</b>	-1.93	2.31
2442.00	<b>60.09%</b>	-2.21	2.06
2484.00	<b>61.72%</b>	-2.10	2.14
4900.00	<b>39.75%</b>	-4.01	2.06
5150.00	<b>44.64%</b>	-3.50	3.14
5470.00	<b>40.44%</b>	-3.93	2.18
5825.00	<b>36.52%</b>	-4.37	2.51

GA Antenna