



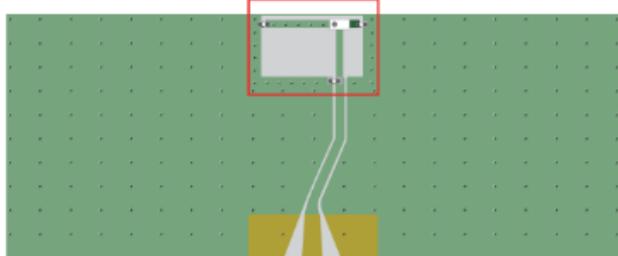
## Intro

Antenna gain documentation required for all FCC Part 15 devices. Must provide either an antenna datasheet/specification or a test report with gain measurements and plots. This Information cannot be held confidential. Additionally, proprietary information of the design itself can remain confidential in either the 'operational description' or 'schematic'.

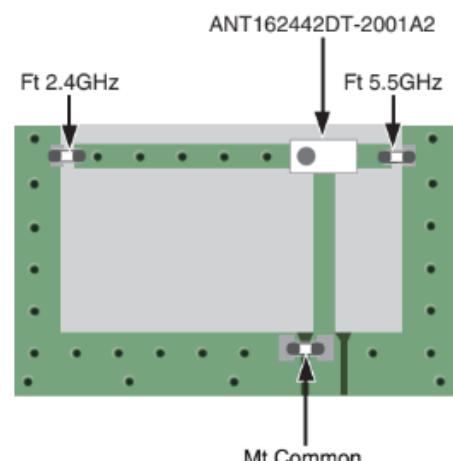
**Example of antenna specification:**

1. **Company:** Actronika SAS
2. **Product name:** Kinetic
3. **RF module/chip:** WM PAN9026
4. **Antenna description**

<b>Antenna type</b>	Multilayer Antenna
<b>Antenna manufacturer</b>	TDK
<b>Antenna datasheet</b>	if exist
<b>Frequency range</b>	2400-2484MHz / 5150-5850MHz
<b>Modulation</b>	DSSS/OFDM
<b>Antenna gain max (peak)</b>	2400-2484MHz; 2.1 dBi 5150-5850MHz; 1.5 dBi
<b>Cable loss</b>	NA
<b>Connector type</b>	NA

**5. Antenna layout**


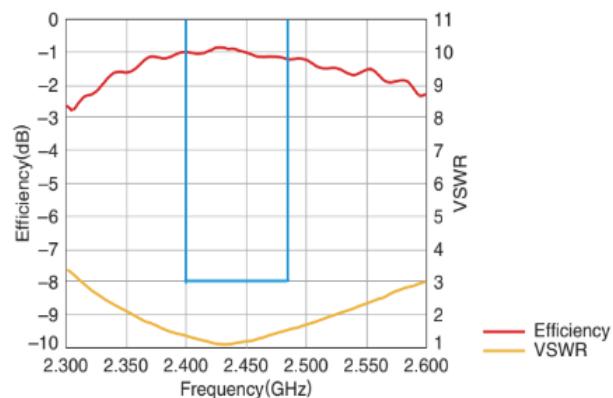
PCB size : 50mm x 20mm x 1mm  
Antenna area : 8 x 5 mm



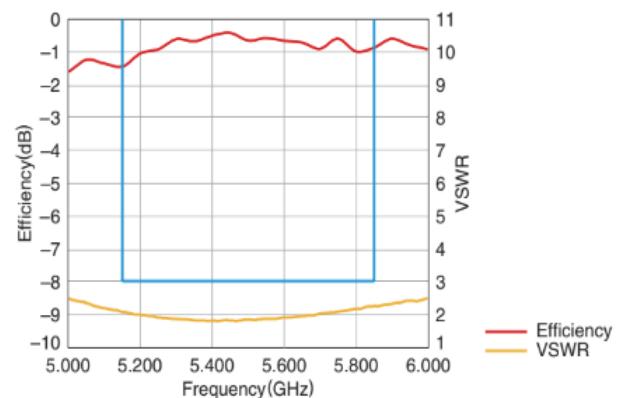
Component P/N	
Ft 2.4GHz	6.2pF
Ft 5.5GHz	0.4pF
Mt Common	1.3nH( MLG1005S1N3C:TDK)

## 6. Antenna VSWR

□2.4GHz WLAN BAND



□5.5GHz WLAN BAND

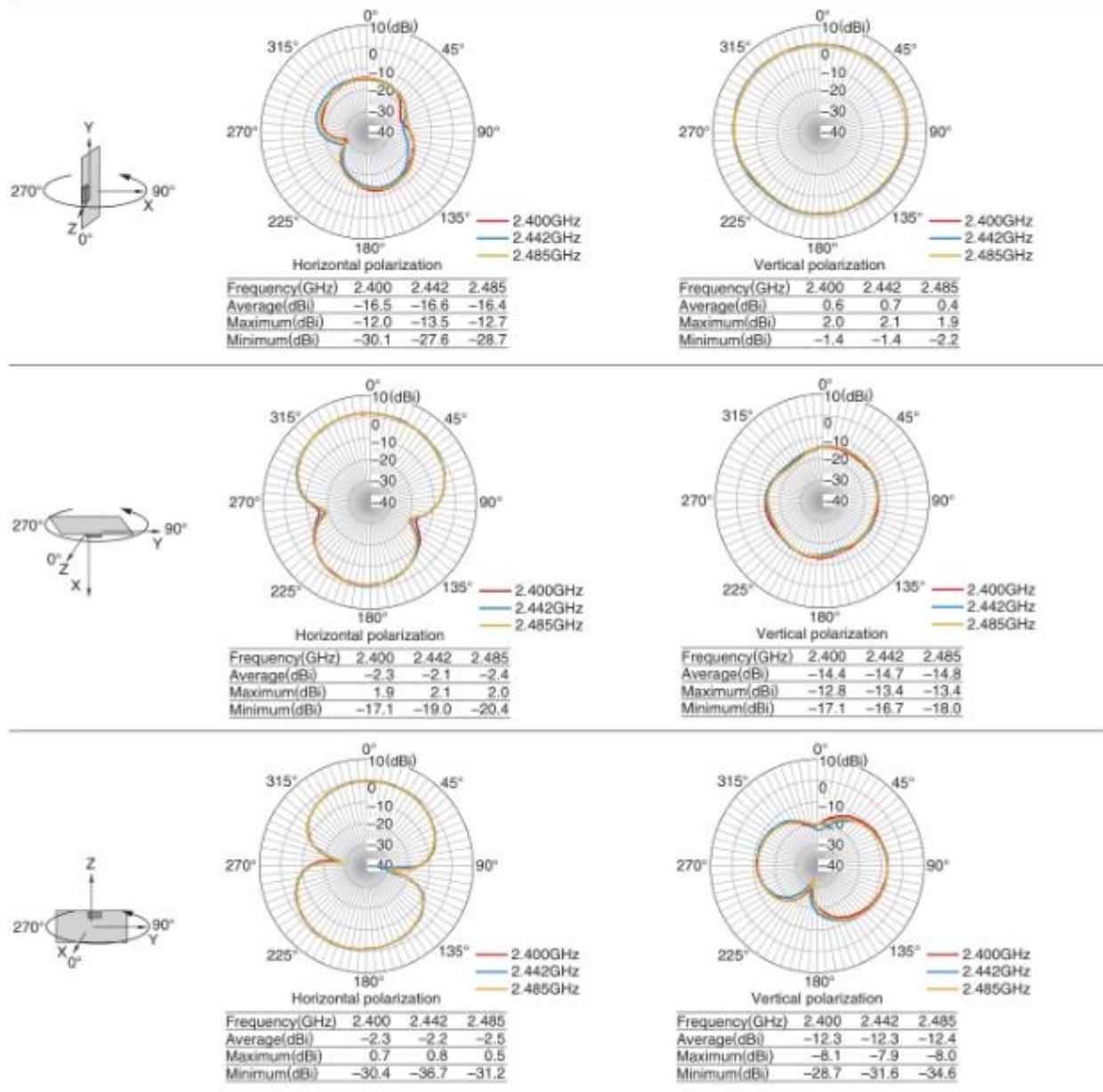


## 7. Antenna photo



## Radiation Pattern

□ 2.4GHz ISM BAND



\* Tested antenna has been soldered. Evaluation board size is 50x20x1 mm.

**□5.5GHZ BAND**
