



## WIFI ANTENNA

Antenna WiFi Screw Mount R36,  
2.4/5.8 GHz, 5.4/6.2 dBi,  
RG58/5m, SMA-RP (pin f)

AW-A2458G-36SR5

SECTRON company offers a wide portfolio of WiFi antennas with various versions differing in shape, level of gain and manner of attachment. SECTRON guarantees compatible connection between an antenna and all antenna adaptors produced by SECTRON.



### BENEFITS

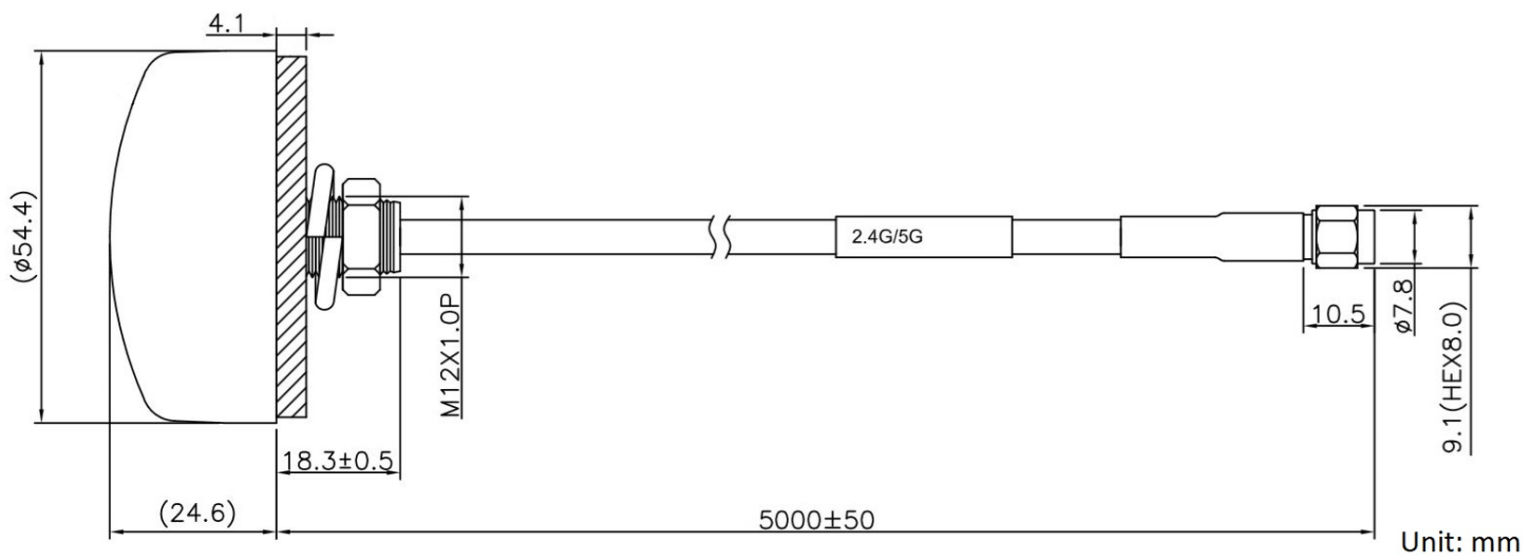
- Low VSWR
- Anti-vandal design

## FEATURES

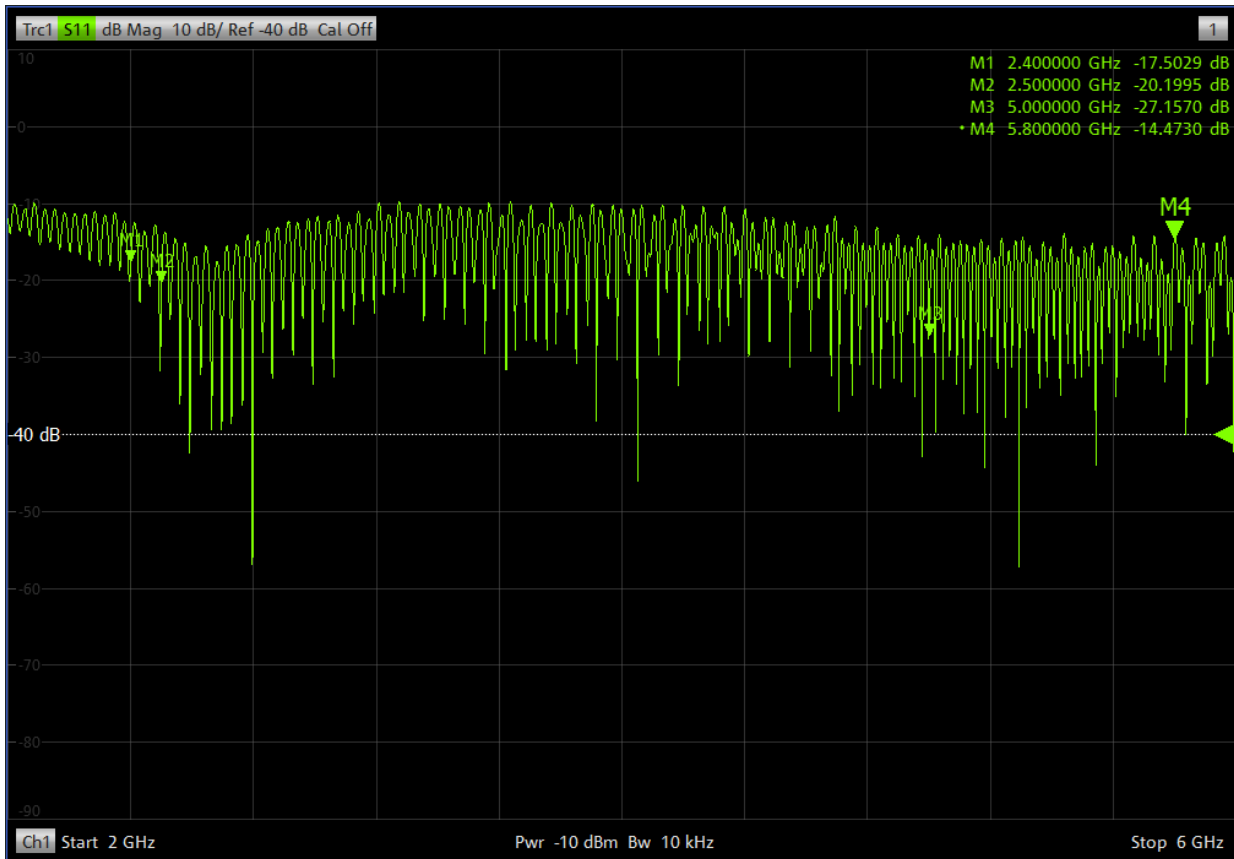
AW-A2458G-36SR5

|                       |                     |
|-----------------------|---------------------|
| Technology            | Wi-Fi               |
| Frequency bands       | 2400/5800 MHz       |
| Bandwidth             | -                   |
| Gain                  | 5.4/6.2 dBi         |
| VSWR                  | <2.0:1              |
| Impedance             | 50 Ohm              |
| Directivity           | Omnidirectional     |
| Beam angle            | H 360° V 30°        |
| Polarization          | Linear              |
| Maximum input power   | 10 W                |
| Power voltage         | -                   |
| Dimensions            | Ø 54.4 x 28.7 mm    |
| Weight                | 260.37 g            |
| Operating temperature | -30 to +80 °C       |
| Execution             | External            |
| Method of attachment  | Screw Mount         |
| Cable type            | RG58/U              |
| The cable length      | 5 m                 |
| Connector type        | SMA-RP (pin f)      |
| IP Code               | IP67                |
| Certification         | ISO 9001, ISO 14001 |

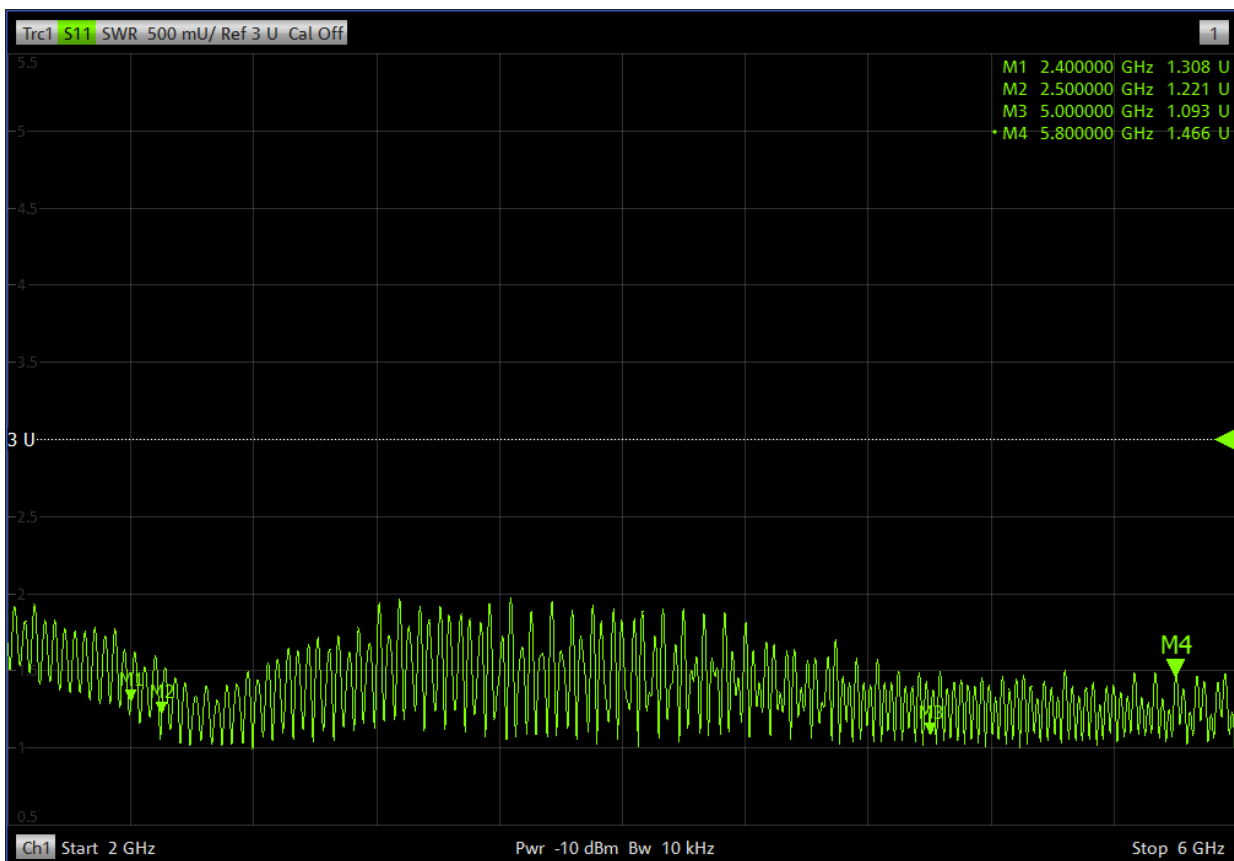
## DRAWING



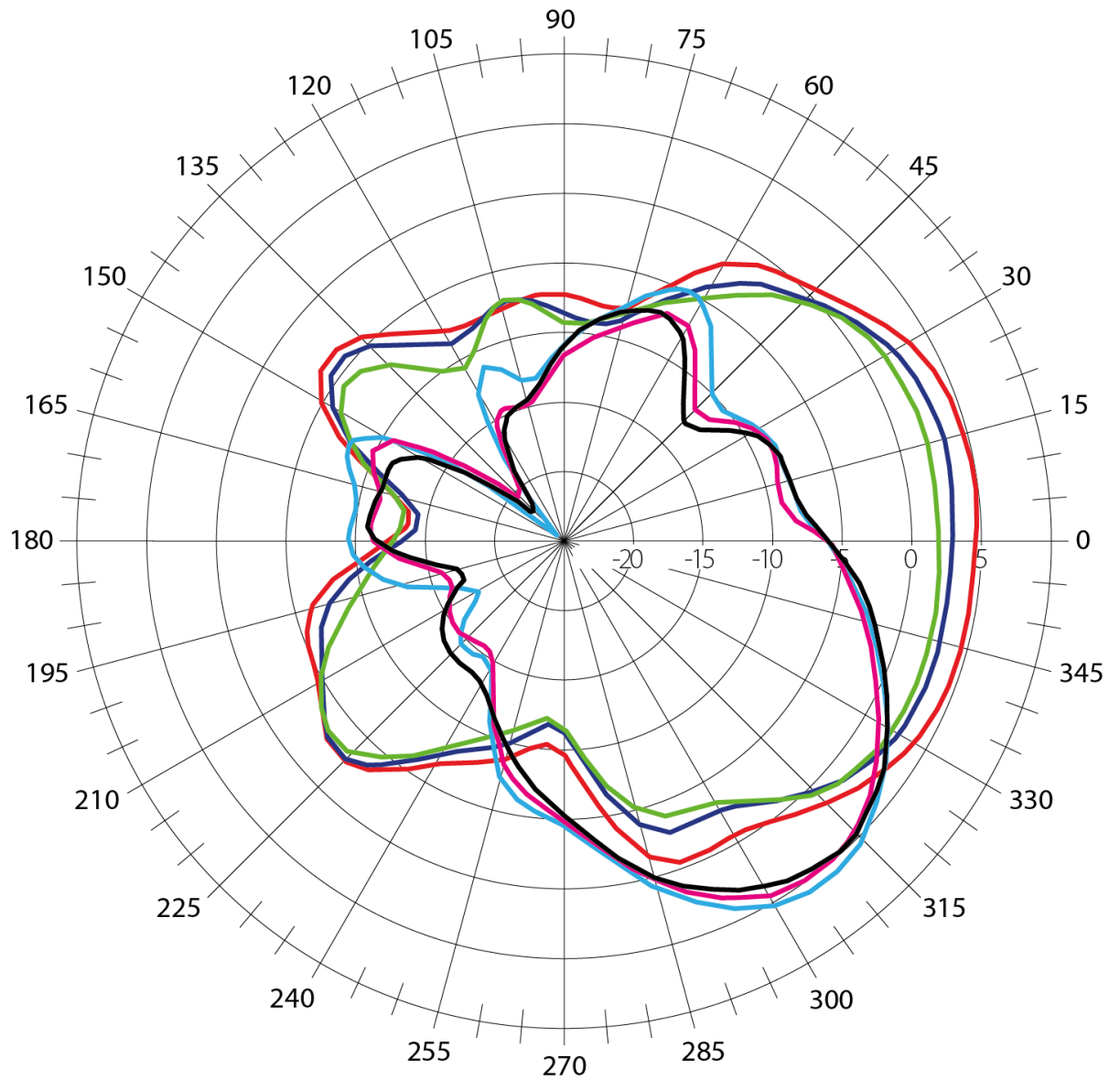
### S11 – Return loss [dB]



### VSWR – Voltage standing wave ratio [-]



## Radiation pattern



| Frequency (MHz) | Return Loss (dB) | VSWR    | Efficiency (%) | Gain (dBi) |
|-----------------|------------------|---------|----------------|------------|
| 2400            | -10.73           | 1.81: 1 | 63.83          | 5.4        |
| 2450            | -5.83            | 3.10: 1 | 48.42          | 4.06       |
| 2500            | -6.13            | 2.94: 1 | 40.36          | 2.61       |
| 5700            | -20.47           | 1.22: 1 | 48.98          | 4.88       |
| 5800            | -10.15           | 1.90: 1 | 47.64          | 5.06       |
| 5900            | -21.45           | 1.18: 1 | 63.1           | 6.18       |

## ALL VARIANTS

---

Different connector variants or cable lengths are available on request.

## CONTACTS

---

SECTRON s.r.o. Josefa Šavla 1271/12  
709 00 Ostrava 9, Czech Republic

WWW.SECTRON.CZ  
Tel.: +420 556 621 020