

# GLSY-GPS433 Dual-Frequency Rubber Antenna

## MODEL GLSY-GPS433

Compact rubber antenna with model-specific electrical, mechanical and measured RF data.



### KEY PERFORMANCE

**410 / 1555 MHz**

#### TEST FREQUENCIES

**-0.3 dBi**

#### NOMINAL GAIN

**50 ohm**

#### IMPEDANCE

**80 mm**

#### LENGTH

## TECHNICAL SPECIFICATIONS

### ELECTRICAL PROPERTIES

Specified frequencies 410 MHz / 1555 MHz

Impedance 50 ohm nominal

VSWR 2.0 max

Polarization Vertical

Nominal gain -0.3 dBi

### MECHANICAL AND ENVIRONMENTAL

Antenna material Spring

Length 80 +/- 0.5 mm

Base diameter 12 +/- 0.3 mm

Cable color (source label) Black

Operating / storage temperature -20 to +65 deg C

Minimum order / lead time 100 units / 2 weeks

### MEASURED GAIN AND EFFICIENCY

410 MHz Gain: -0.33 dBi; efficiency: 21.43%

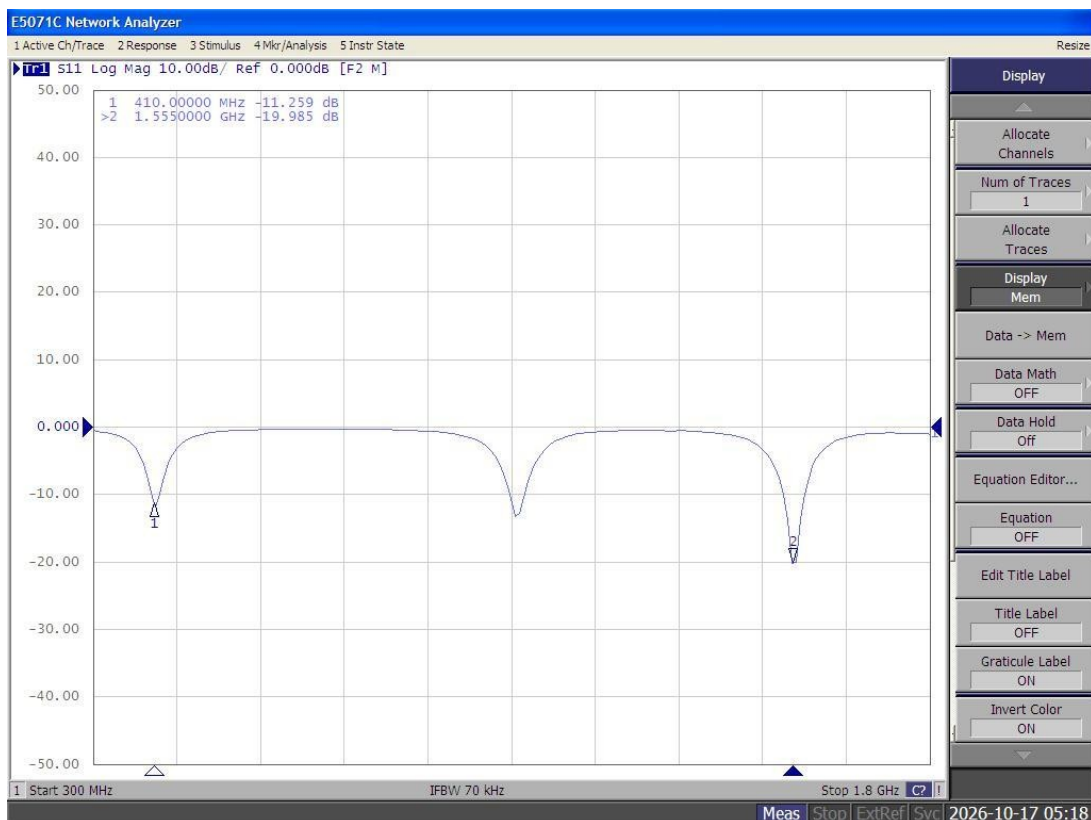
1555 MHz Gain: -0.25 dBi; efficiency: 22.08%

### FREQUENCY DESIGNATION

The source cover calls this model GPS+433. Its main specification and measurement tables list 410 MHz and 1555 MHz; the values above follow those tables. The model designation does not establish performance at 433 MHz.

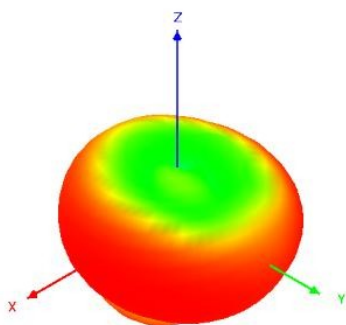
## MEASURED S11 AND RADIATION PATTERNS

The analyzer capture is S11 log magnitude in dB. Its marked points are 410 MHz and 1555 MHz.

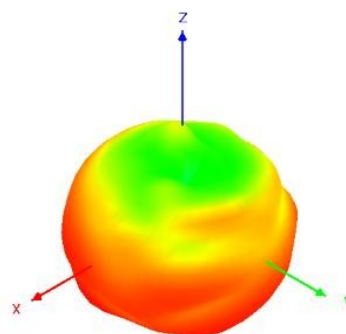


## 3D RADIATION PATTERNS

Freq: 410MHz (AxisZ)



Freq: 1555MHz (AxisZ)



Sample-specific test figures from the supplied report; no continuous frequency band is inferred.

## GLOBAL RF TECH | PRODUCT ENQUIRIES

Zhengzhou LEHENG Electronic Technology Co., Ltd.

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