



## LTE ANTENNA

Antenna LTE Embedded FLEX 002,  
U.FL(f), 1.32mm Hirose 066, Gray, 40 cm

AO-ALTE-FPC002U400

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



### BENEFITS

- Low VSWR
- Easy installation
- Minimalist dimensions
- Flexible

## FEATURES

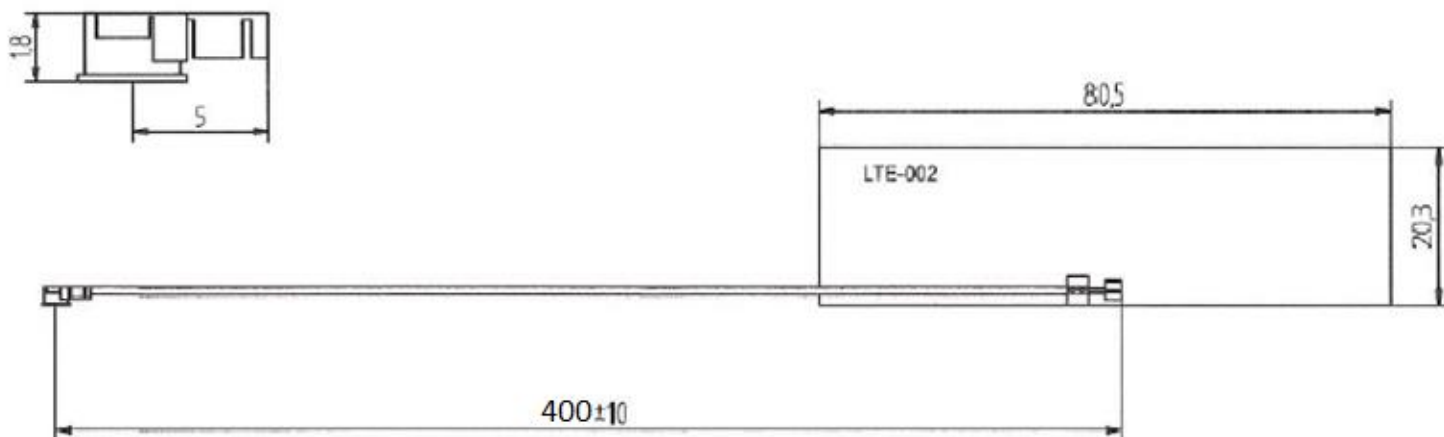
AO-ALTE-FPC002U400

|                       |                                          |
|-----------------------|------------------------------------------|
| Technology            | GSM/UMTS/LTE                             |
| Frequency bands       | 700/800/900/1700/1800/1900/2100/2700 MHz |
| Bandwidth             | -                                        |
| Gain                  | 0 – 4 dBi                                |
| VSWR                  | <2.6:1                                   |
| Impedance             | 50 Ohm                                   |
| Directivity           | Omnidirectional                          |
| Beam angle            | H 360° V 30°                             |
| Polarization          | Linear                                   |
| Maximum input power   | 10 W                                     |
| Power voltage         | -                                        |
| Dimensions            | 20 x 80 x 0.1 mm                         |
| Weight                | 1.42 g                                   |
| Operating temperature | -20 to +80 °C                            |
| Execution             | Internal                                 |
| Method of attachment  | Adhesive                                 |
| Cable type            | Hirose 066                               |
| The cable length      | 400 mm                                   |
| Connector type        | U.FL                                     |

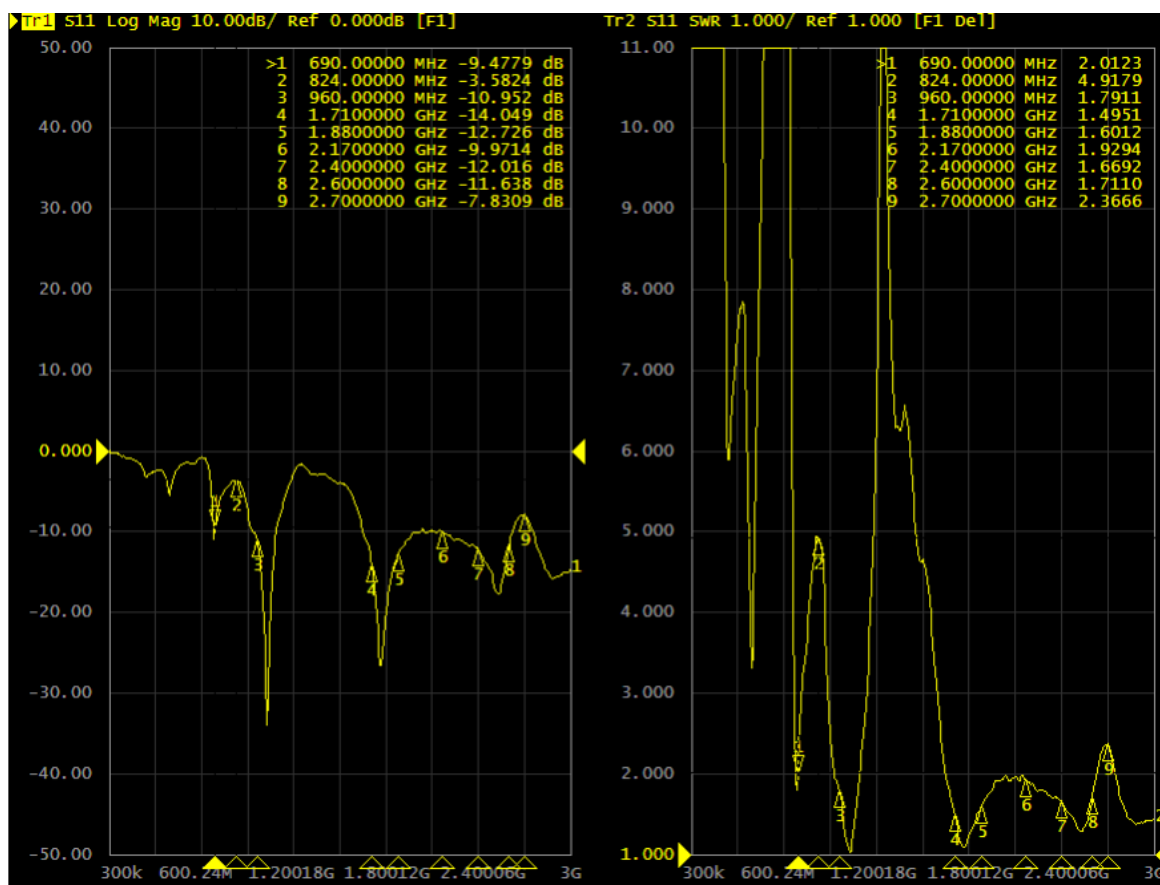
## DRAWING

U.FL

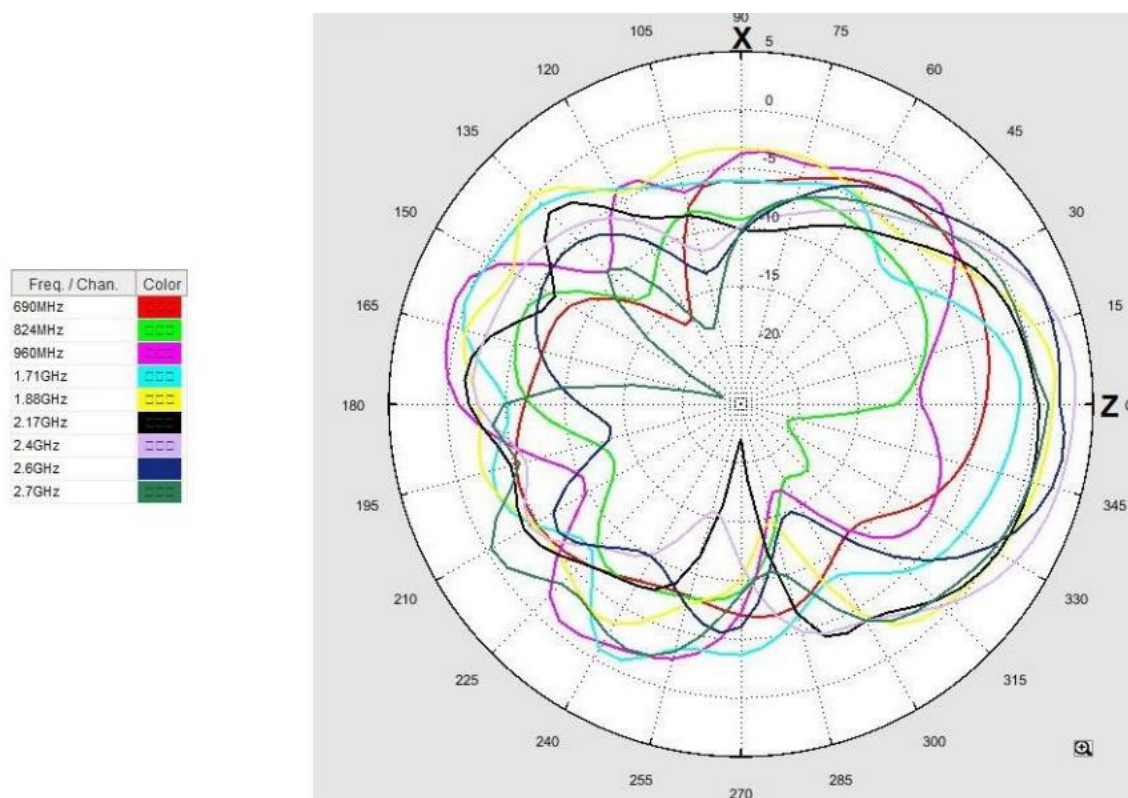
U.FL-LP-088



## RETURN LOSS &amp; VSWR



## RADIATION PATTERN



| Frequency (MHz) | Return Loss (dB) | VSWR | Efficiency (%) | Gain (dBi) |
|-----------------|------------------|------|----------------|------------|
| 690             | -9.47            | 2.01 | 35.32          | -1.21      |
| 824             | -3.58            | 4.91 | 17.91          | -2.95      |
| 960             | -10.95           | 1.79 | 48.31          | 1.55       |
| 1710            | -14.04           | 1.49 | 52.72          | 1.17       |
| 1880            | -12.72           | 1.6  | 59.7           | 2.04       |
| 2170            | -9.97            | 1.92 | 55.72          | 2.81       |
| 2400            | -12.01           | 1.66 | 73.45          | 4.25       |
| 2600            | -11.63           | 1.71 | 54.08          | 3.49       |
| 2700            | -7.83            | 2.36 | 49.77          | 2.06       |

Different connector variants or cable lengths are available on request.