

Product: SETA LP / LTE-5G

Product Order Code:  
BM-02226/LTE

## Low Profile Body Mounted Antenna

ISM 868MHz & 915MHz, 5G-NR  
5G RED CAP, LTE-4G, CELLULAR (2G)

- Low profile 'manhole cover' robust antenna
- RoHS 2011/65/EU & RoHS3 (2015/863/EU compliant)
- Request samples for test & evaluation via [enquiry@bloomice.com](mailto:enquiry@bloomice.com)



### Technical Data

|                                     |                                                                                                     |                                                                                                                                         |
|-------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions                          | 98mm (D) x 14mm(H)                                                                                  |                                                                                                                                         |
| Weight                              | 82g                                                                                                 |                                                                                                                                         |
| Construction Materials              | Nylon Plastic / ABS<br>FR4 PCB                                                                      |                                                                                                                                         |
| Mounting Arrangement                | M16x1.5P Thread / Stainless Steel Split Nut<br>Mounting on any surface (glass, metal, plastic etc.) |                                                                                                                                         |
| Temperature Range                   | -40°C to +85°C                                                                                      |                                                                                                                                         |
| Protection Class                    | IP68 (IEC 60529) / Impact Protection to IK08 (IEC 62262)                                            |                                                                                                                                         |
| <b>ISM / Cellular 5G / LTE / 2G</b> |                                                                                                     |                                                                                                                                         |
| Frequency Range                     | LTE 600 + GSM 900 + 5G-NR:<br>GSM 1800:<br>UMTS:<br>LTE (High):<br>5G-NR:                           | 600 - 960 MHz<br>1710 - 1880 MHz<br>1920 - 2170 MHz<br>2400 - 2700 MHz<br>3200 - 3800 MHz                                               |
| Impedance                           | 50 Ohm                                                                                              |                                                                                                                                         |
| Polarisation                        | Linear                                                                                              |                                                                                                                                         |
| Peak Gain                           | LTE 600 + GSM 900 + 5G-NR:<br>GSM 1800:<br>UMTS:<br>LTE (High):<br>5G-NR:                           | @ 600-960 MHz; 2.14dBi<br>@ 1710-1880 MHz; 2.14dBi<br>@ 1920-2170 MHz; 3dBi<br>@ 2400-2700 MHz; 5dBi<br>@ 3200-3800 MHz 5.2dBi          |
| Radiation Pattern                   | Omni-Directional                                                                                    |                                                                                                                                         |
| Max Power @ 30°C                    | LTE 600 + GSM 900 + 5G-NR:<br>GSM 1800:<br>UMTS:<br>LTE (High):<br>5G-NR:                           | 35 Watts @ 6000-960 MHz<br>35 Watts @ 1710-1880 MHz<br>35 Watts @ 1920-2170 MHz<br>35 Watts @ 2400-2700 MHz<br>35 Watts @ 3200-3800 MHz |
| Return loss (VSWR)                  | ≤ 2:1 (All Bands)                                                                                   |                                                                                                                                         |
| Radiator Type(s)                    | Folded Monopole                                                                                     |                                                                                                                                         |
| Cable types Available               | LL195 50 Ohm Low Loss                                                                               |                                                                                                                                         |
| Cable Length                        | According to customer specification                                                                 |                                                                                                                                         |
| Connector                           | According to customer specification                                                                 |                                                                                                                                         |
| Test & Measurement Conditions       | 300mm x 300mm Ground Plane / 1000mm LL195 Cable                                                     |                                                                                                                                         |

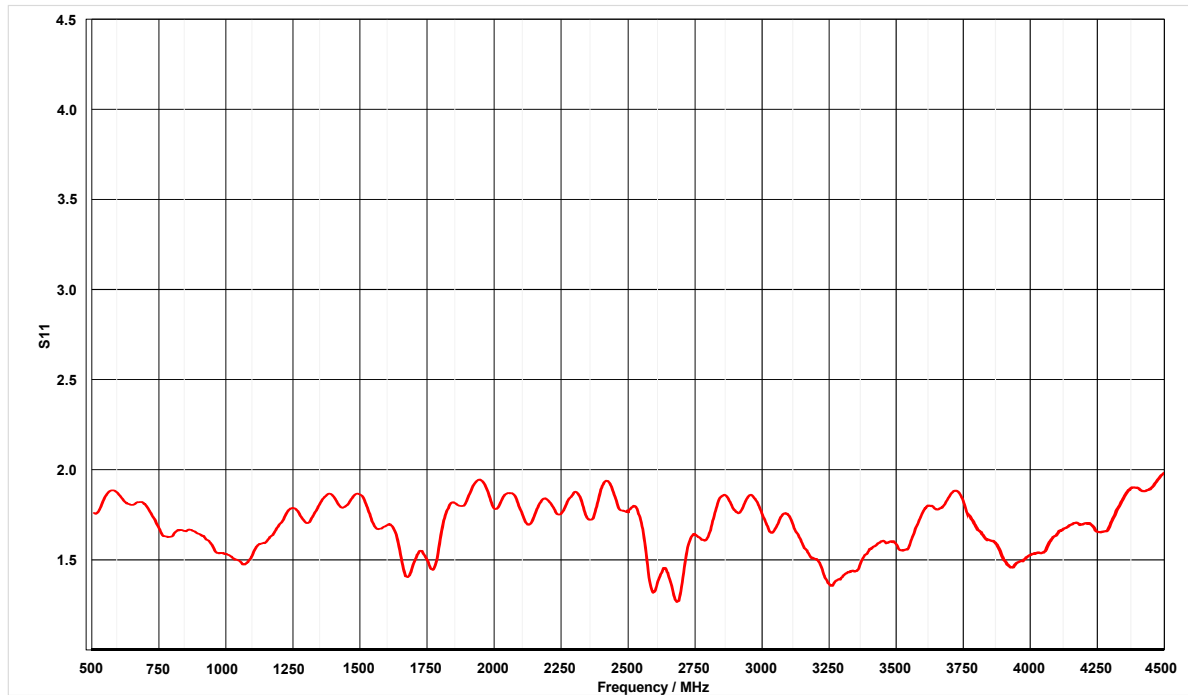
dBi: Referenced to an isotropic radiator

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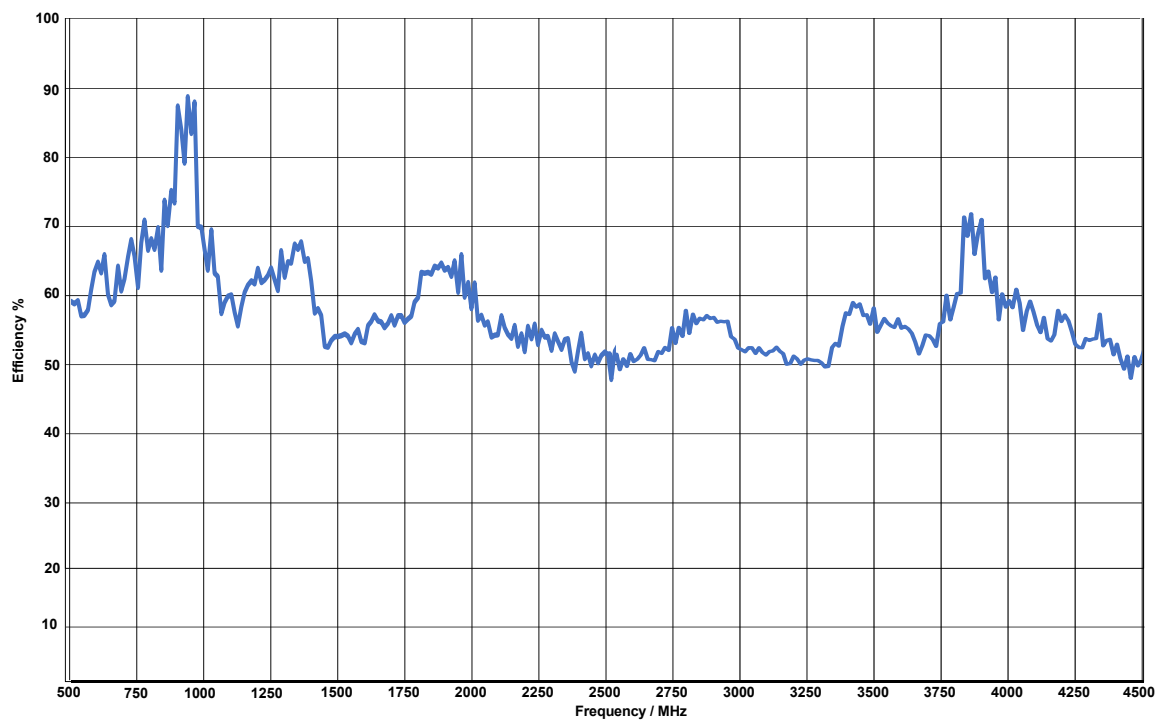
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## VSWR Data



## Radiated Efficiency (LTE)



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