

Product: BODY REM LTE

Product Order Code:  
BM-02 RANGE

## Low Profile Body Mounted Antenna

2G, 3G, GPRS, CDMA, UMTS, LTE-4G

- Low profile robust combination 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

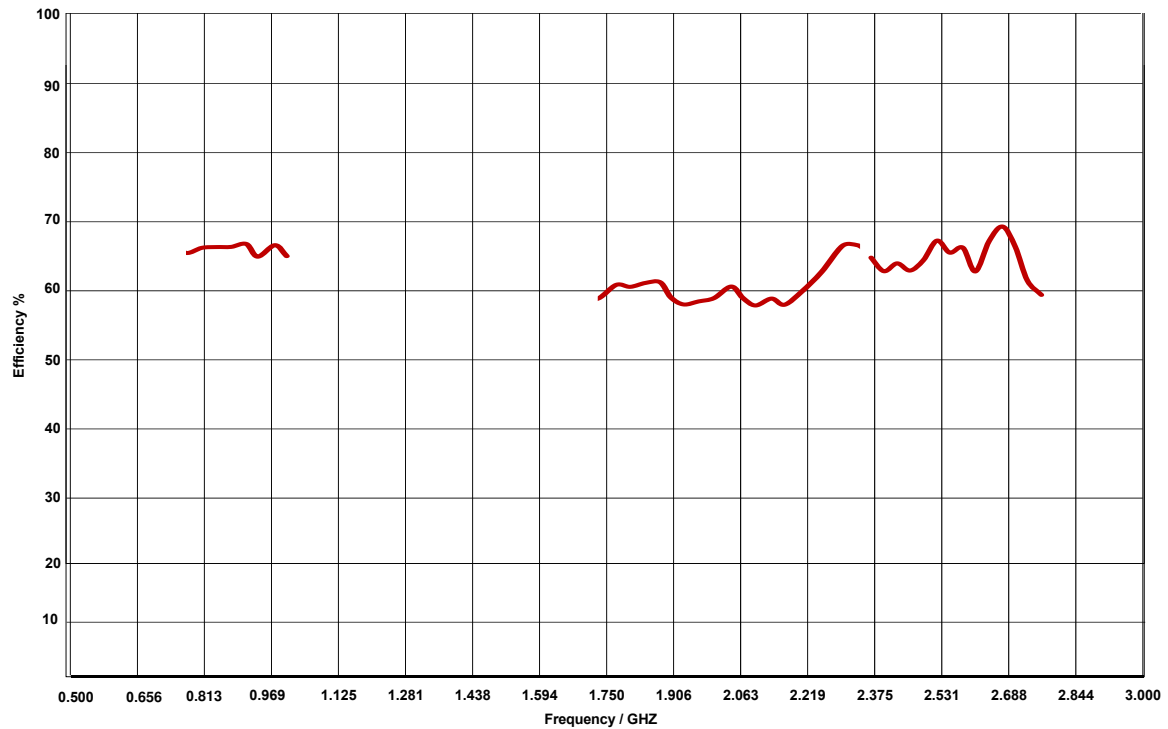
|                               |                    |                                                                                                                     |
|-------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------|
| Dimensions                    |                    | 79mm x 74mm x 15mm (H) (Including self adhesive pad)                                                                |
| Weight                        |                    | 74g (Excluding cables and connectors)                                                                               |
| Construction Materials        |                    | PC/ABS / UL94 V0 / UV Stable                                                                                        |
| Maximum Torque Setting (Nm)   |                    | 4.8Nm                                                                                                               |
| Mounting Arrangement          |                    | M12 Stainless Steel Split Nut combined with 3M Adhesive Pad<br>Mounting on any surface (glass, metal, plastic etc.) |
| Temperature Range             |                    | -40 to +85 Degree C                                                                                                 |
| Protection Class              |                    | IP67 (IEC 60529)                                                                                                    |
| Cellular LTE / 2G / 3G        |                    |                                                                                                                     |
| Frequency Range               | LTE 700 + GSM 900: | 700 - 960 MHz                                                                                                       |
|                               | GSM 1800:          | 1710 - 1880 MHz                                                                                                     |
|                               | UMTS:              | 1920 - 2170 MHz                                                                                                     |
|                               | LTE (High):        | 2300 - 2655 MHz                                                                                                     |
| Impedance                     |                    | 50 Ohm                                                                                                              |
| Polarisation                  |                    | Linear                                                                                                              |
| Peak Gain                     | LTE 700 & GSM 900: | @ 790-960 MHz; 2.14dBi                                                                                              |
|                               | GSM 1800:          | @ 1710-1880 MHz; 2.14dBi                                                                                            |
|                               | UMTS:              | @ 1920-2170 MHz; 2.14dBi                                                                                            |
|                               | LTE (High):        | @ 2300-2700 MHz; 2.14dBi                                                                                            |
| Radiation Pattern             |                    | Omni-Directional                                                                                                    |
| Max Power @ 30 Celsius        | LTE 700 & GSM 900: | 25 Watts @ 790-960 MHz                                                                                              |
|                               | GSM 1800:          | 25 Watts @ 1710-1880 MHz                                                                                            |
|                               | UMTS:              | 25 Watts @ 1920-2170 MHz                                                                                            |
|                               | LTE (High):        | 25 Watts @ 2300-2700 MHz                                                                                            |
| Return loss (VSWR)            |                    | <1.8:1 (All Bands)                                                                                                  |
| Radiator Type                 |                    | Dipole                                                                                                              |
| Cable types Available         |                    | LL100 50 Ohm Low Loss / RG174 / RG316                                                                               |
| Cable Length                  |                    | According to customer specification                                                                                 |
| Connector                     |                    | According to customer specification                                                                                 |
| Test & Measurement Conditions |                    | 300mm x 300mm Ground Plane / 1000mm LL100 Cable                                                                     |

dBi: Referenced to an isotropic radiator

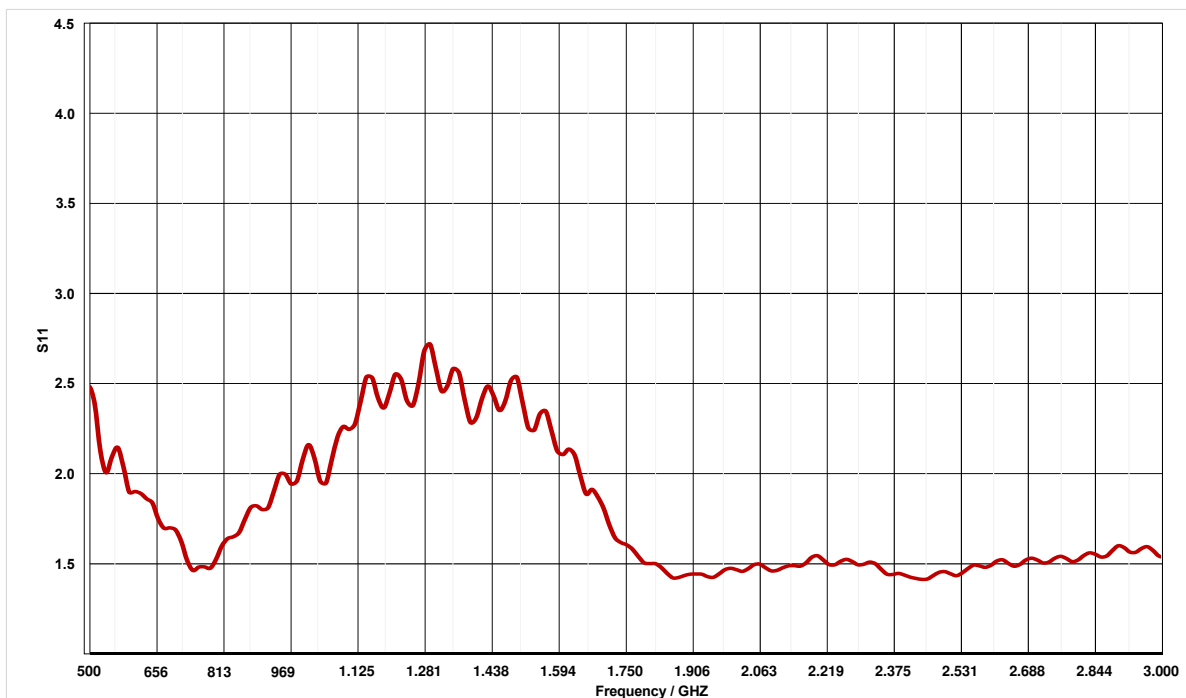
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### Radiated Efficiency (LTE)



### Typical VSWR Data (LTE)



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## CAD Data

