

GS3055-I DSC Cellular Alarm Communicator

850 - 1900 MHz GSM dual band antenna

Manufacturer Bondale Industries Ltd.

Model Number: G-RA-10102(323-030/F)

The GSM frequencies for these bands are:

Low band: TX: 824-849 MHz; RX: 869-893MHz. Low tuning
frequency: 858MHz (± 20 MHz)

High band: TX: 1850-1910MHz; RX : 1930-1990MHz. High tuning
frequency: 1920MHz (± 30 MHz)

Expected Return Loss on the tuning frequencies: Less than -
10dB

Refer below to the electrical specifications and mechanical
specifications.

Radiator dimension specification:

Inner radial length: 63mm

Outer spring: $9 + \frac{1}{2}$ turns (with a short circuit on first
turn).

850 – 1900MHz GSM ANTENNA

- Electrical specifications

Tuning frequencies: 858MHz (± 20 MHz) and 1920 MHz (± 30 MHz)

Expected Return Loss on the tuning frequencies: Less than -10dB

- Return Loss diagram of antenna sample

Fig 1. Low band: Tuning frequency: 867MHz, Return Loss: -33,83dB

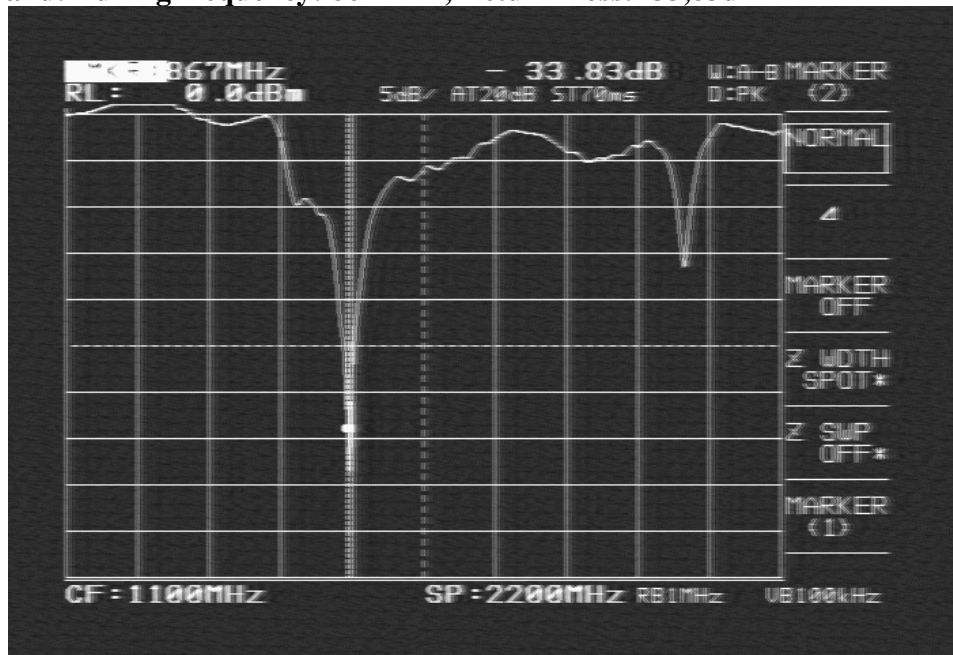


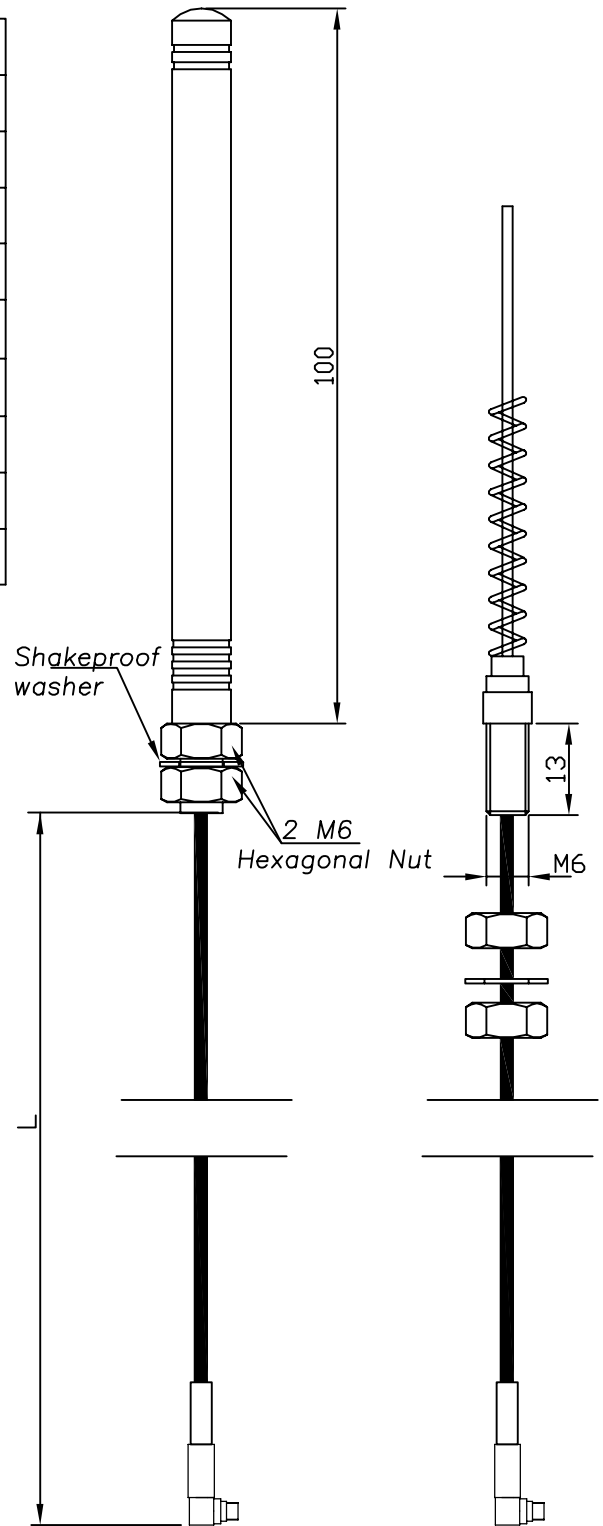
Fig 2. High band: Tuning frequency: 1901MHz, Return Loss: -16,28dB



- Picture of the sample:



| | |
|-------------------|---------------------|
| CODE | ANTBIBHP2MMCX-AM |
| TYPE | |
| WAY | |
| SECTION | |
| LENGTH | L= 125 mm. |
| CONNECTOR | MMCX |
| COLOUR | BLACK |
| SHEATH STRIP OFF | NO |
| TINNED END | NO |
| HEATSHRINK TUBING | YES (Colour: WHITE) |



DESIGNED FOR:
BENTEL



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| | | | | | | | | |
|---------------------|---|-------|-------------------------|-----------|------|---------|-----------|---|
| QUANT. | WEIGHT | SCALE | DIS. | CHECKED | DATE | | | |
| Material | CHART | | MODIFY | No. RICH. | DATE | DECORR. | SIGNATURE | |
| Finish | GENERAL TOLERANCE EXCEPT IF OTHERWISE STATED h11- H11 | | | A | | | | |
| | | | | B | | | | |
| | | | | C | | | | |
| | | | D | | | | | |
| CABLE SPECIFICATION | | | FILE : ANTBIBHP2MMCX-AM | | | | EDIT | 4 |
| | | | COD. ANTBIBHP2MMCX-AM | | | | SHEET | |