

## Model: BL102 Base Antenna 0

### Antenna description:

This wire Monopole antenna is optimized and used in the Base unit. This antenna is directly soldered to the ANT\_0 RF output in the main PCB.

| Model Number  | Description     |
|---------------|-----------------|
| BL102 BS ANT0 | 1.9GHz Monopole |

### Specification:

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| <b>Operation Frequency Range</b> | 1921.536 to 1928.448 MHz                                                    |
| <b>Maximum Gain</b>              | 0 dBi                                                                       |
| <b>Type</b>                      | Monopole                                                                    |
| <b>Operation bandwidth</b>       | 70MHz                                                                       |
| <b>Nominal Impedance</b>         | ~50 ohms                                                                    |
| <b>Manufacturer</b>              | Vtech Telecommunications Ltd                                                |
| <b>Manufacturer address</b>      | 23/F, Tai Ping Industrial Centre, Blk1, 57 Ting Kok Road, Tai Po, Hong Kong |
| <b>Model number</b>              | ANT-BL102-F-DE-0                                                            |

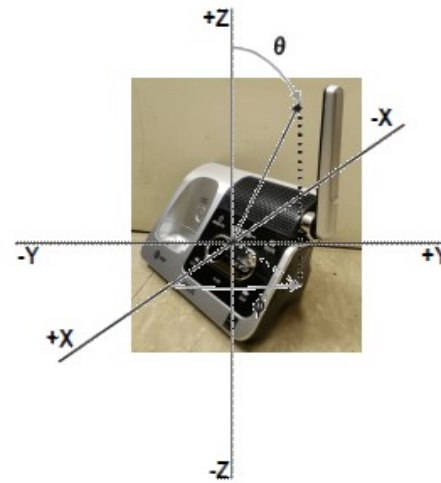
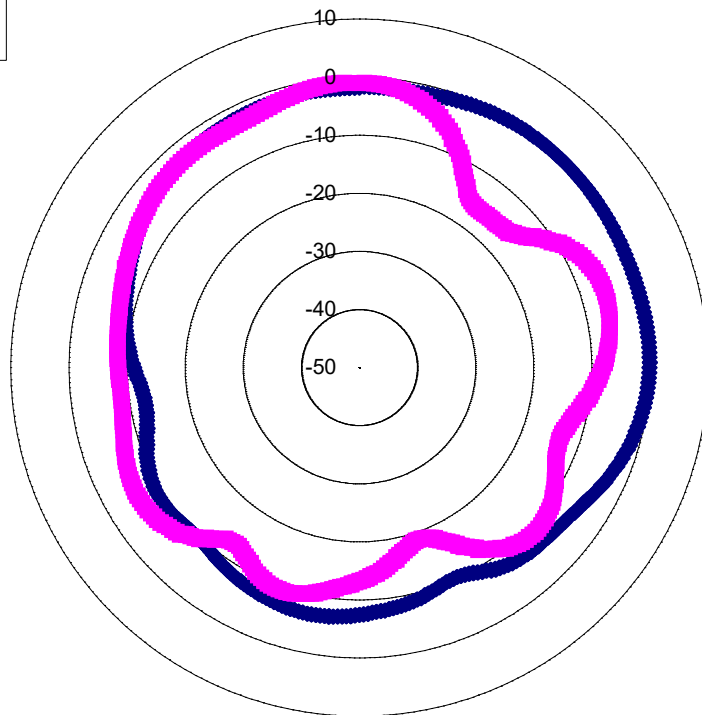
\*NOTE: Frequency and Orientation with maximum Antenna Gain.

Frequency: 1924.992 MHz

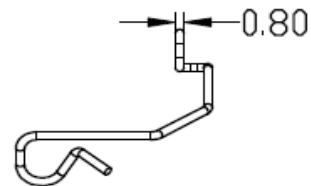
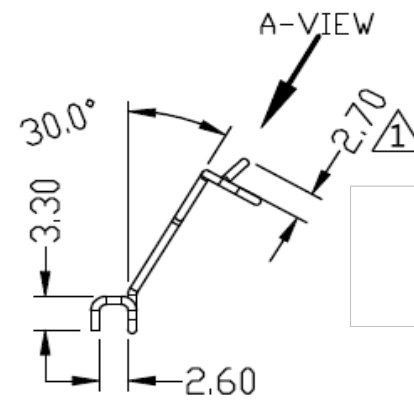
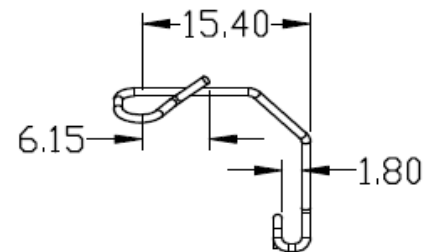
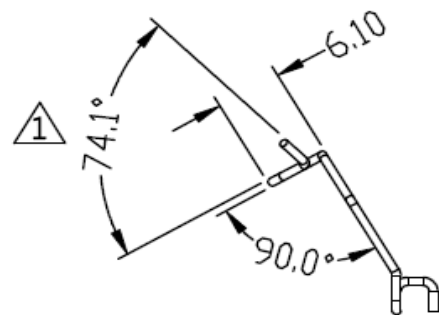
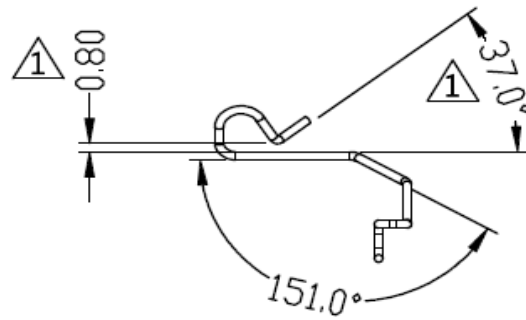
|                    | Vertical | Horizontal |
|--------------------|----------|------------|
| Antenna Gain (dBi) | 0.00     | -0.93      |

BL102 BS ANT0 Radiation Pattern\_XY Plane

◆ Vertical  
■ Horizontal



# BL102 BS ANT0 Antenna Dimensions in mm



## Model: BL102 Base Antenna 1

### Antenna description:

This wire Monopole antenna is optimized and used in the Base unit. This antenna is directly soldered to the ANT\_1 RF output in the main PCB.

| Model Number   | Description     |
|----------------|-----------------|
| BL102 BS ANT_1 | 1.9GHz Monopole |

### Specification:

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| <b>Operation Frequency Range</b> | 1921.536 to 1928.448 MHz                                                    |
| <b>Maximum Gain</b>              | 1 dBi                                                                       |
| <b>Type</b>                      | Monopole                                                                    |
| <b>Operation bandwidth</b>       | 70MHz                                                                       |
| <b>Nominal Impedance</b>         | ~50 ohms                                                                    |
| <b>Manufacturer</b>              | Vtech Telecommunications Ltd                                                |
| <b>Manufacturer address</b>      | 23/F, Tai Ping Industrial Centre, Blk1, 57 Ting Kok Road, Tai Po, Hong Kong |
| <b>Model number</b>              | ANT-BL102-F-DE-1                                                            |

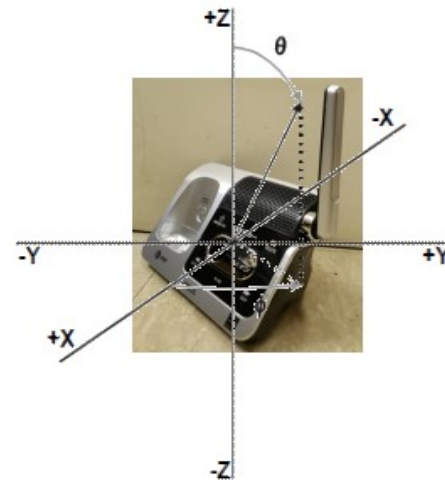
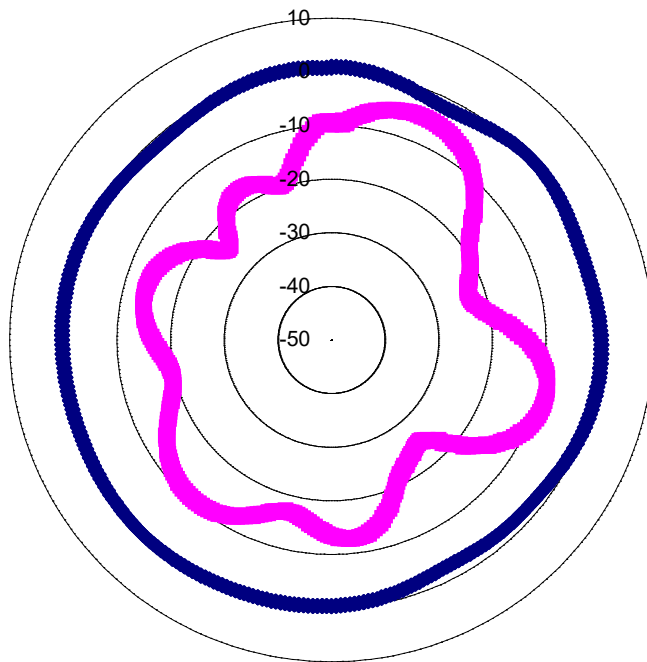
\*NOTE: Frequency and Orientation with maximum Antenna Gain.

Frequency: 1924.992 MHz

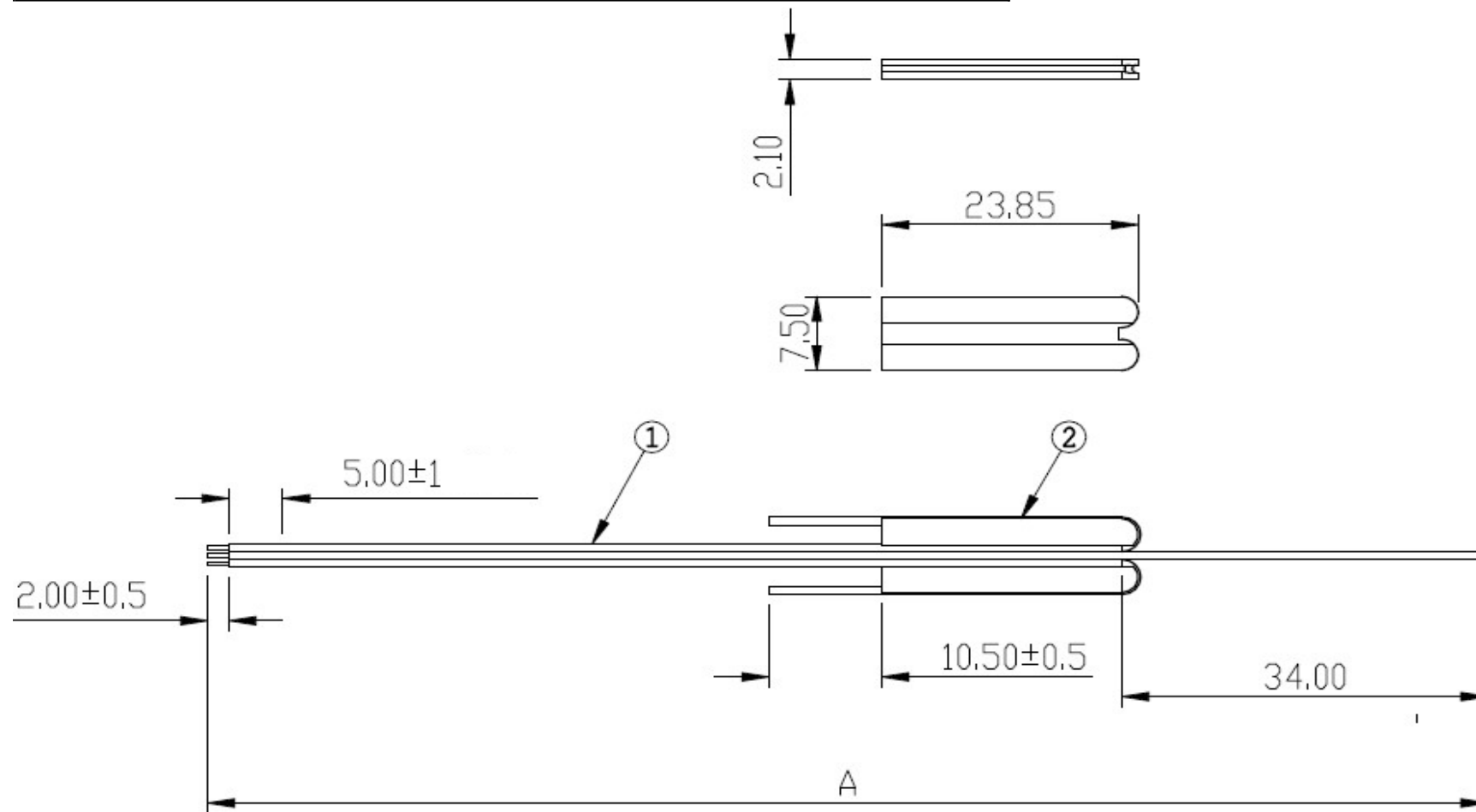
|                    | Vertical | Horizontal |
|--------------------|----------|------------|
| Antenna Gain (dBi) | 1.00     | -4.97      |

BL102 BS ANT1 Radiation Pattern\_XY Plane

—◆— Vertical  
—■— Horizontal



BL102 BS ANT1 Antenna Dimensions in mm



## Model: BL102 Base Bluetooth Antenna

### Antenna description:

This printed F antenna is optimized and used in the Base unit. This antenna is directly soldered to the Bluetooth RF output in the main PCB.

| Model Number    | Description              |
|-----------------|--------------------------|
| BL102 BS BT ANT | 2.4GHz Printed F Antenna |

### Specification:

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| <b>Operation Frequency Range</b> | 2402 to 2480 MHz                                                            |
| <b>Maximum Gain</b>              | -1 dBi                                                                      |
| <b>Type</b>                      | Printed F Antenna                                                           |
| <b>Operation bandwidth</b>       | 90MHz                                                                       |
| <b>Nominal Impedance</b>         | ~50 ohms                                                                    |
| <b>Manufacturer</b>              | Vtech Telecommunications Ltd                                                |
| <b>Manufacturer address</b>      | 23/F, Tai Ping Industrial Centre, Blk1, 57 Ting Kok Road, Tai Po, Hong Kong |
| <b>Model number</b>              | ANT-BL102-F-BT-0                                                            |

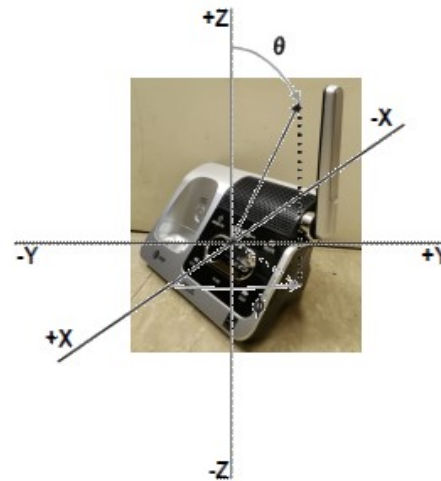
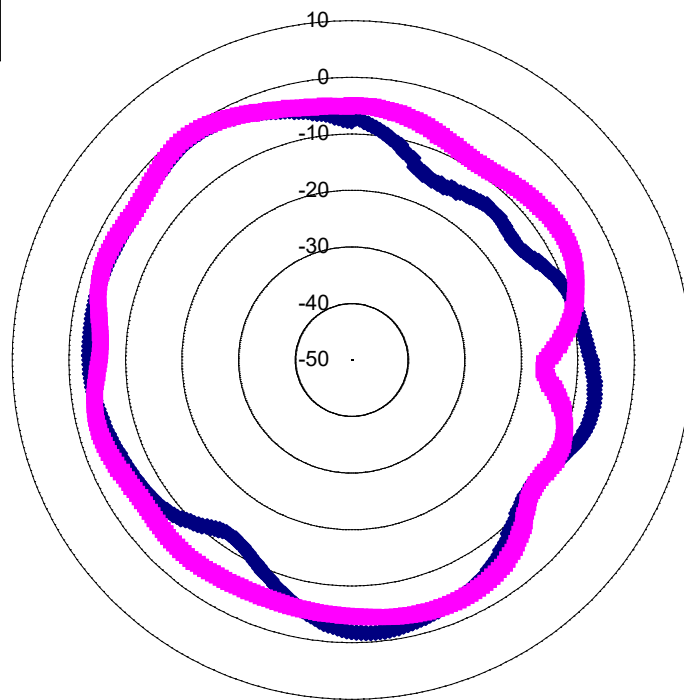
\*NOTE: Frequency and Orientation with maximum Antenna Gain.

Frequency: 2440MHz

|                    | Vertical | Horizontal |
|--------------------|----------|------------|
| Antenna Gain (dBi) | -1.58    | -1.00      |

BL102 BS BT Radiation Pattern\_XY Plane

◆ Vertical  
■ Horizontal



BL102 BS BT Antenna Dimensions in mm

