

[VTECH]

**[2.4GHz Dipole Antenna]**

**Model: VM934 PU (FHSS)**

**Antenna description:**

This dipole antenna is optimized and used in the Parent unit in the baby monitor models. This antenna is directly soldered to the RF output in the main PCB.

**Ordering information:**

Model Number	Description
VM934 PU	2.4GHz Dipole Antenna

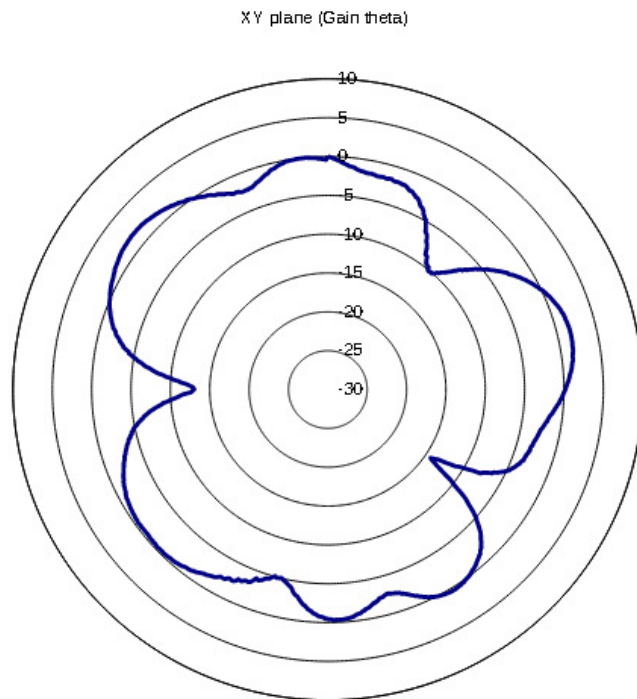
**Specification:**

Operation Frequency Range	2405-2475 MHz
Maximum Gain	2 dBi
Type	Dipole
Operation bandwidth	70MHz
Nominal Impedance	~50 ohms
Connectors	-
Dimensions	123×2.5 mm
Manufacturer	Vtech Telecommunications Ltd
Manufacturer address	23/F, Tai Ping Industrial Centre, Blk1, 57 Ting Kok Road, Tai Po, Hong Kong
Model number	ANT-VM5266-P-FH-1

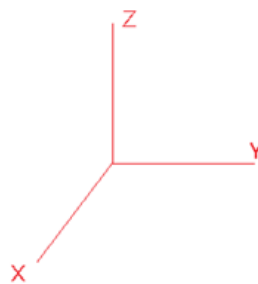
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Antenna pattern (2441MHz)



Coordination:



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Figure 1 consists of three technical drawings of an antenna structure:

- (a) Top View:** Shows the overall length of the antenna as  $123 \pm 2.0$ . A dimension of  $27^{+0}_{-0.5}$  is marked with a star symbol. The diameter of the main body is  $\varnothing 1.0$ . Tin plating dimensions are specified as  $2.0 \pm 0.5$  and  $2 \pm 0.5$ . A break symbol is used to indicate the long length.
- (b) Side View:** Shows the diameter of the main body as  $\varnothing 2.5$  and a length of  $25 \pm 0.5$ . A dimension of  $1.0 \pm 0.5$  is shown for the offset of the antenna element. A break symbol is used to indicate the long length.
- (c) Cross-section View:** Shows a cross-section of the antenna element with a diameter of  $\varnothing 2.5$ . A dimension of  $7\text{mm}$  is shown for the gap between the antenna element and the main body. A dimension of  $60^{+0}_{-0.5}$  is marked with a star symbol. A break symbol is used to indicate the long length.

Figure 1 Physical dimension (mm)