



SWE032

PN: SW20035EB56

Features:

- Antenna for 433MHz
- Small size
- Impedance 50 Ohm

Applications:

- Remote monitoring
- Network Devices
- Gateway
- Router/CPE
- Others

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1. Electrical Specification

Standards	ISM-433MHz
Frequency range (MHz)	433
Peak Gain (dBi)	0.42
Average Gain (dB)	-1.54
VSWR	1.26
Return Loss	-18.63
Efficiency (%)	44.3%
Polarization mode	Linear
Radiation pattern	Omni-Directional
Output impedance (Ω)	50
Max. Input Power(W)	25

2. Mechanical and Environmental Specifications

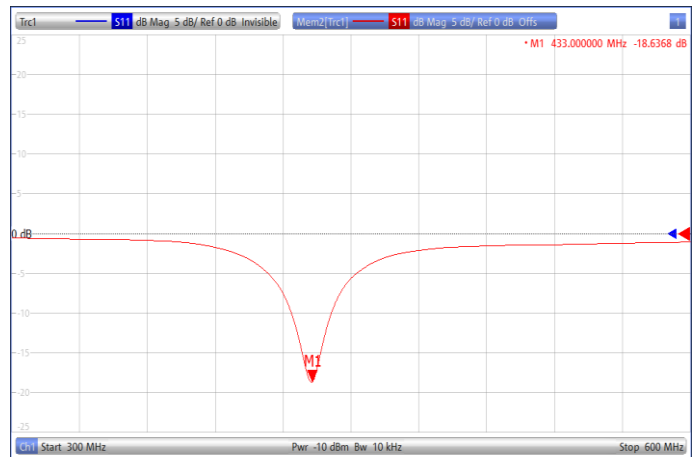
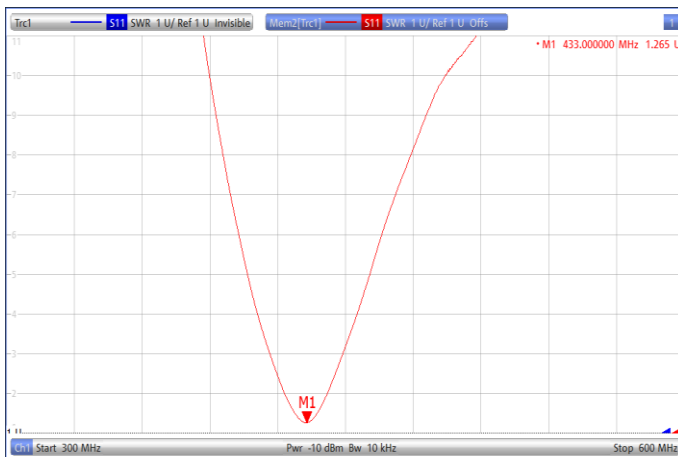
Mounting Type	Connector Mount
Connector Type	SMA-M
Antenna size(mm)	$\Phi 8.0 \times 48.6(H)$
Material	ABS
Operating Temperature ($^{\circ}C$)	- 40 $^{\circ}C$ ~ + 85 $^{\circ}C$
Storage Temperature($^{\circ}C$)	- 40 $^{\circ}C$ ~ + 85 $^{\circ}C$

3. Antenna Parameters

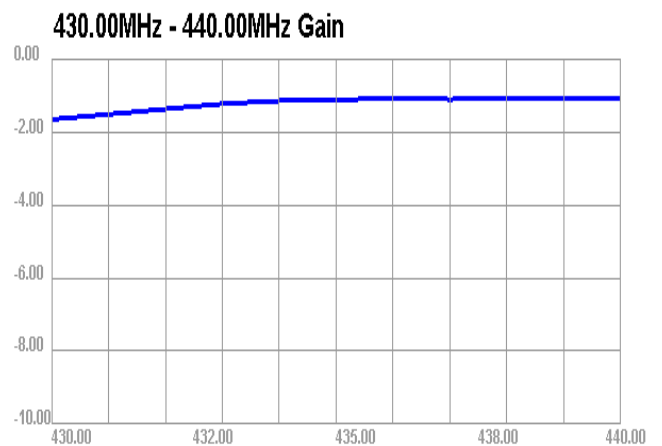
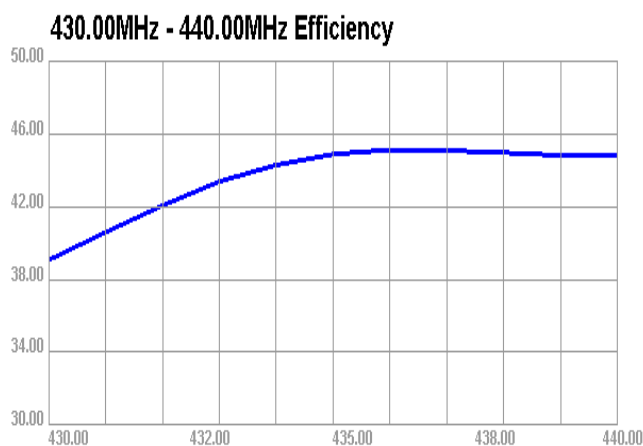
3.1 General Specification

FRE (MHz)	433
VSWR	1.26
Return Loss	-18.63
Eff(%)	44.3
Average Gain(dB)	-3.54

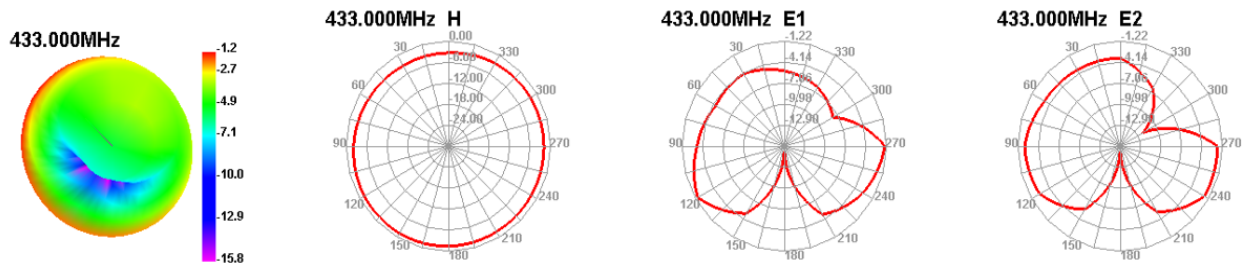
3.2 VSWR and Return Loss



3.3 Efficiency and Gain



3.4 Directional Pattern



4. Antenna Drawing



Changelog for the datasheet			
Revision	Date	Author:	Notes:
-	2019-06-11	Kevin LV	Initial Datasheet Release
V0	2025-06-13	Kevin LV	Update text formatting, titles, fonts, etc