

OF3515

PN: SW26021IB77

Key features:

- Frequency bands from 698~960MHz,1710~2690MHz
- Small size
- Impedance 50 Ohm



Typical applications:

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

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1. Specification

Electrical: Test on 4mm thickness ABS material		
Frequency band	4G/3G/2G/NB-IoT/Cat-M1	
Frequency range (MHz)	698 ~ 960	1710 ~ 2690
Peak Gain (dBi)	-2.1 ~ 0.6	-0.5 ~ 3.9
Average Gain (dB)	-7.0 ~ -5.0	-4.6 ~ -2.2
VSWR	< 4.0	< 3.0
Return Loss	< -5.0	< -5.0
Efficiency (%)	20.0 ~ 32.0	35.0 ~ 60.0
Polarization mode	Linear	
Radiation pattern	Omni-Directional	
Output impedance (Ω)	50	
Max. Input Power(W)	5	

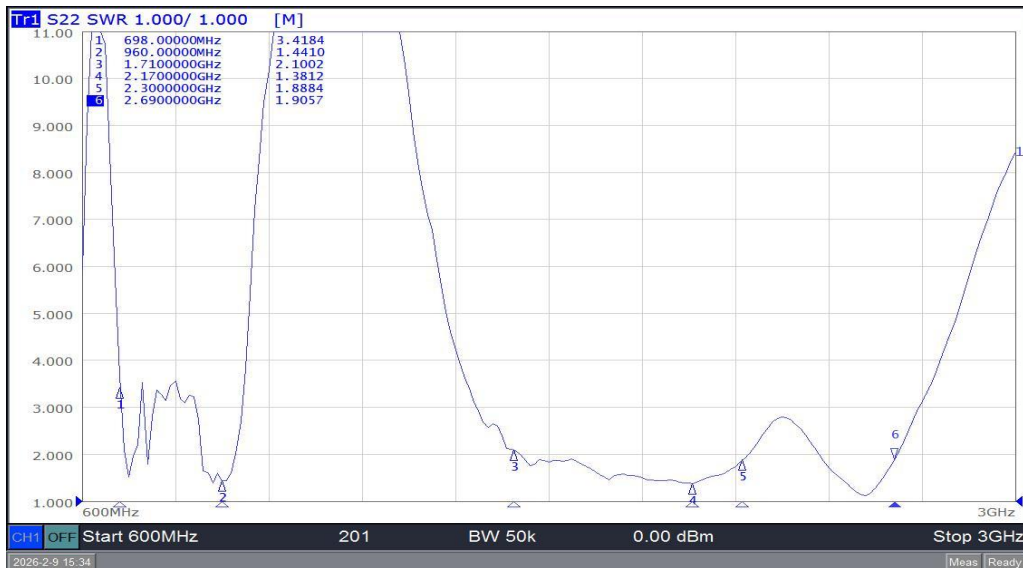
Mechanical	
Mounting Type	Adhesive
Adhesive Type	3M9471LSE
Connector Type	IPEX 1
Antenna size(mm)	35 (L) x15 (W) x0.12 (H)
Material	FPC
Cable length(mm)	20
Weight	0.5g (1pcs)
Environmental	
Operating Temperature (°C)	- 20°C ~ + 65°C
Storage Temperature(°C)	- 20°C ~ + 65°C

2. Antenna Characteristics

2.1 Test Setup



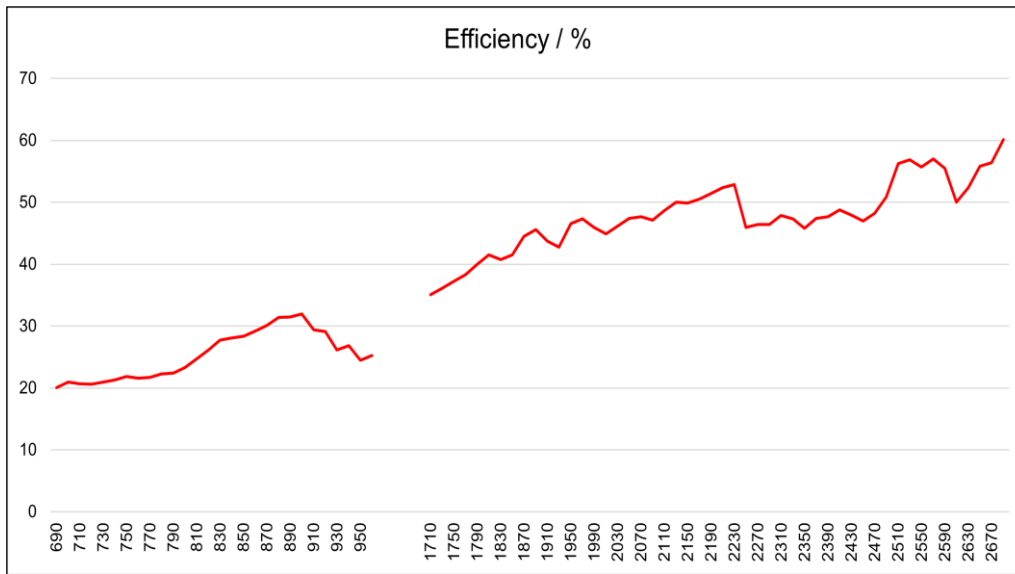
2.2 VSWR



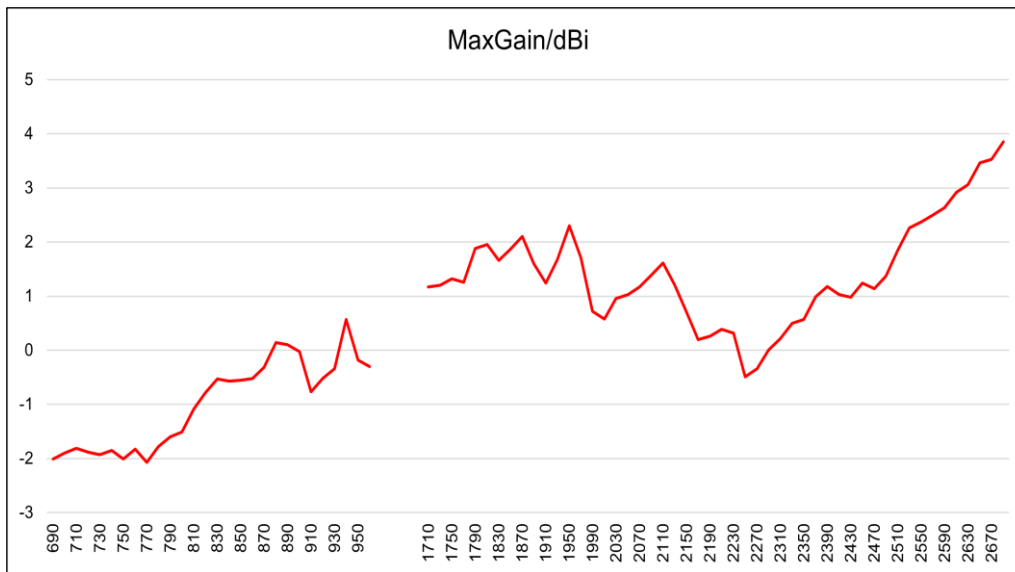
2.3 Return Loss



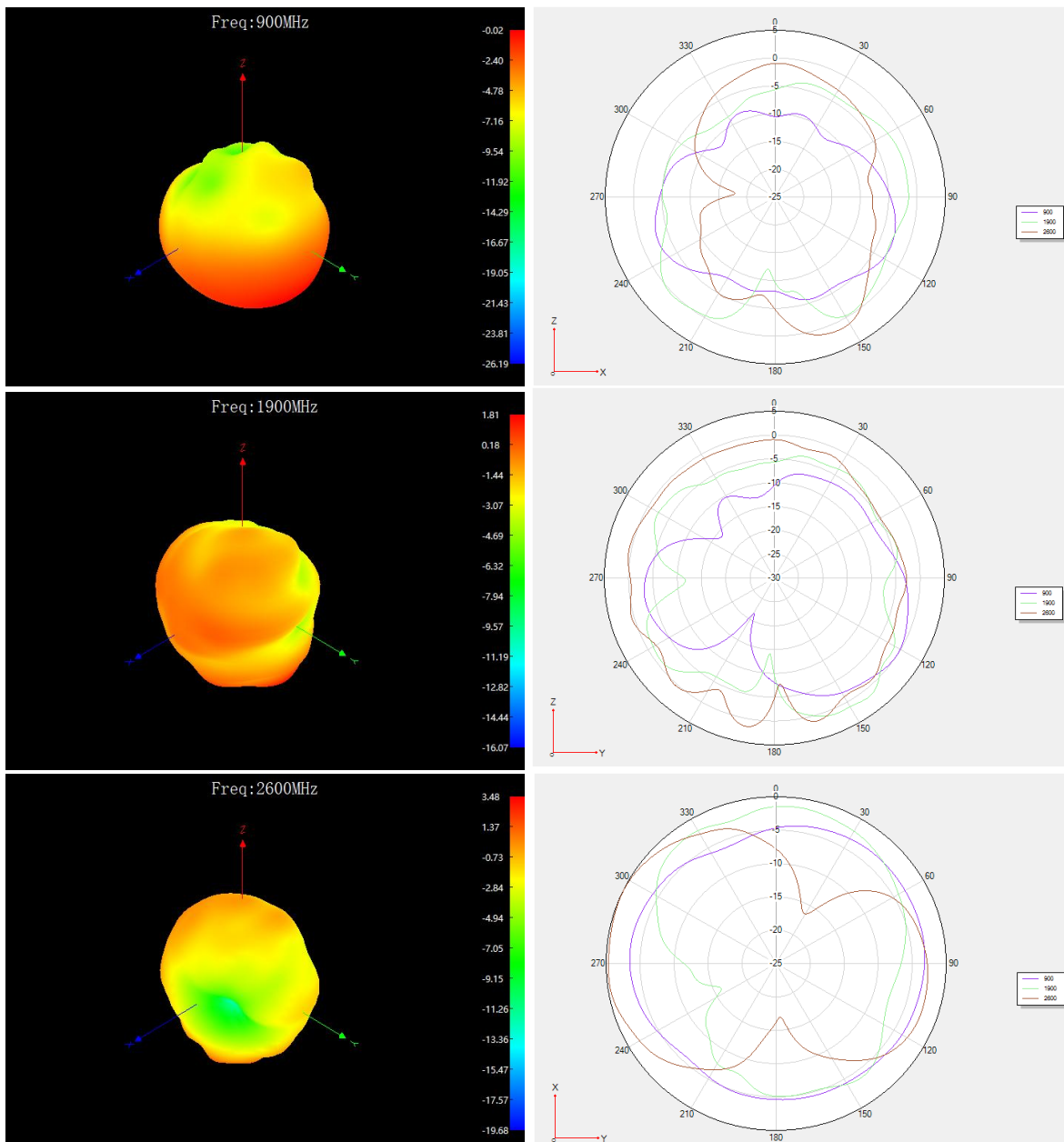
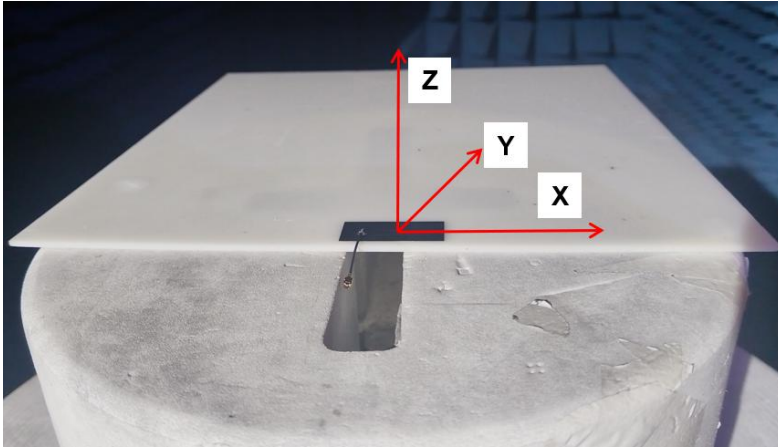
2.4 Efficiency



2.5 Gain

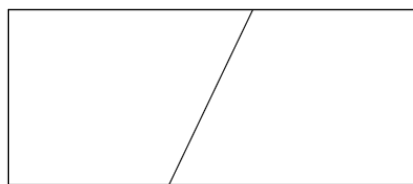
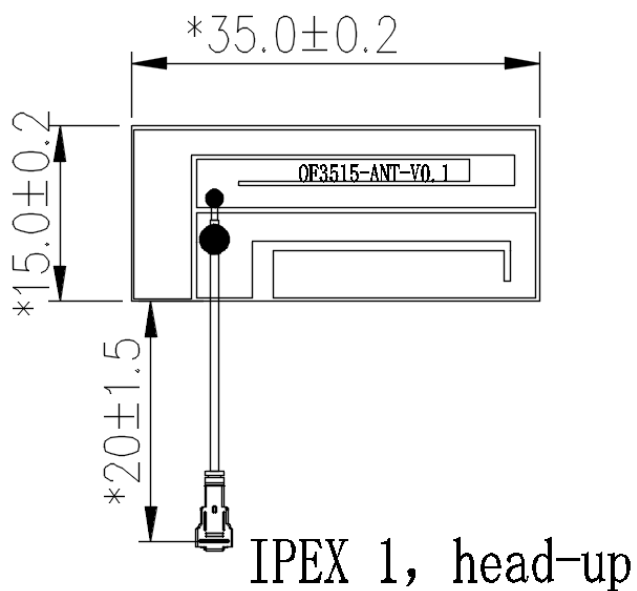


3. Radiation Patterns



4. Antenna Drawing

Unit: mm



Changelog for the datasheet			
Revision	Date	Author:	Notes:
V0	2026-02-11	Kevin LV	Initial Datasheet Release