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Shenzhen Aipai Technology Co., Ltd.
Room 909, No. 232, Baoshi East Road, Guantian Community, Shiyan Street, Bao'an District, Shenzhen City

产品规格书

产品型号：N2450

APPROVALS

Dept.	NAME	DATE
ENGINEERS	Hu bing	Apr 12, 2020
DIRECTOR of ENGR	Li Tong	Apr 12, 2020
DIRECTOR of MFG (QA)		

Disclaimers

The information in this document is provided in connection with Wii-Link Antenna products and is proprietary and confidential. Wii-Link may make changes to at anytime, without notice.

Please verify with Airbuddy before finalizing a product design

General Specification

Standards	/
Physical Dimension	47.8 x 7.3 (mm)
RF Interface	50 ohm, 1.13mm O.D., micro coax cable with U.FL compatible plug termination
Mounting	Pre applied double sided tape (optional)
Temperature	Operating temperature: -40 to 75°C Storage temperature: -40 to 85°C
Humidity	Operating: 0% to 70% Storage: 0% to 95% non-condensing

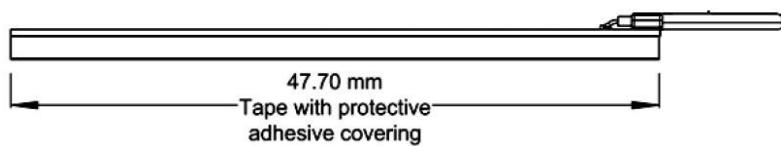
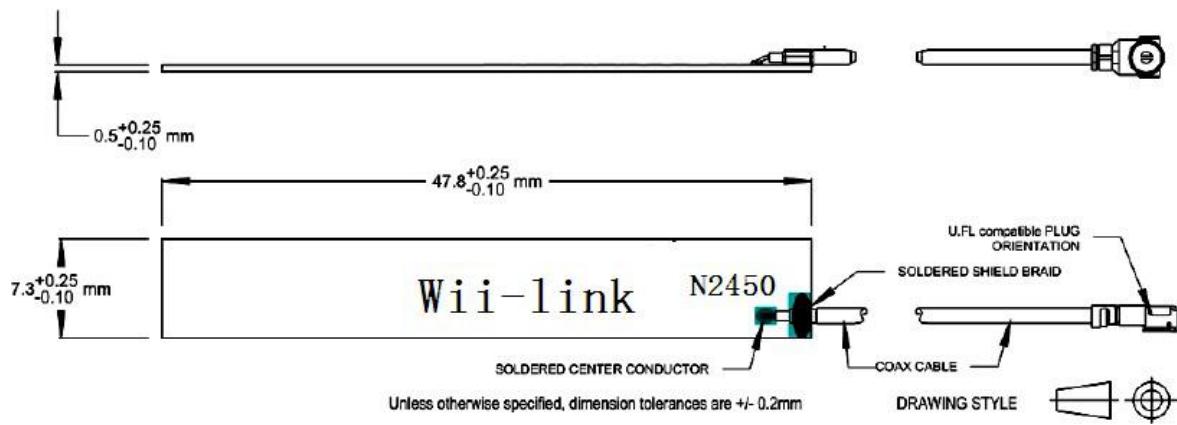
RF Specification

Frequency Range	2.40 GHz to 2.49 GHz
Antenna Type	Phased Dipole
Antenna Pattern	Phased Dipole
Antenna Peak Gain	3.5 dBi @2.44 GHz
Maximum Transmit Power	30 dBm
Impedance	50 ohms
VSWR	2:1



Model N2450 Series Embedded Antenna

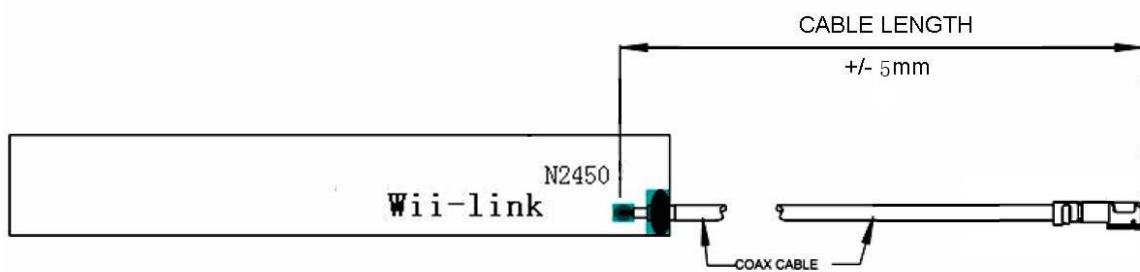
Product Dimension Drawings



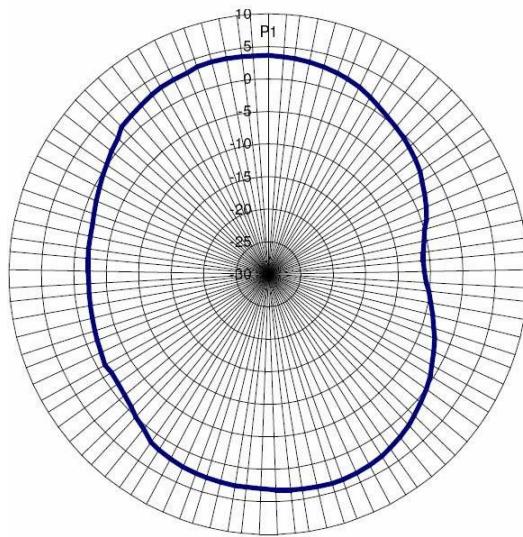
Unless otherwise specified,
dimension tolerances are +/- 0.2mm

DRAWING STYLE

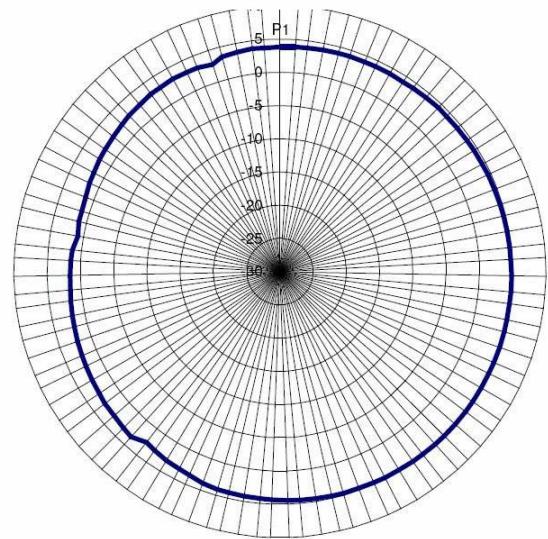
Tape with protective adhesive covering



Radiation Patterns



Measured Azimuth Radiation Pattern



Measured Elevation Radiation Pattern

RF Cable Data

Cable Specification

A. Material List

1. Coaxial Cable Type 2.	RG1.13
2. Length of Coaxial Cable/	$L=100\text{mm} \pm 5$
3. Strip Process/	Tin-coated
4. Strip Dimension/	Shielding:2.0 mm Dielectric:0.6mm Conductor:1.5mm
5. Strip Process/	Tin-coated
6. Strip Dimension/	NA
7. Application Frequency Range/	DC ~ 6GHz
8. V.S.W.R.	< 1.3 @ DC ~ 3.0 GHz < 1.8 @ 3.0 ~ 6.0 GHz
9. S11 Return Loss	> 20dB @ DC ~ 3.0 GHz > 12dB @ 3.0 ~ 6.0 GHz
10. Impedance	50 ohm
11. Operation Temperature Range	-40 degree C ~ + 85 degree C
12. Maximum Power	33dBm / 2 W