

Weibonuo Communication FarField Pro Series

FarField Pro/Long Range RFID PCB Antenna

Model: WBN-FF/RFID(US)1919

Applications

- ❶ 902–928MHz (RFID) Radio Frequency Identification)
- ❷ 865–868MHz for ETSI is available on requirement
- ❸ File document & Jewelry Cabinet
- ❹ Tool Management, Retail Smart Checkout

Features

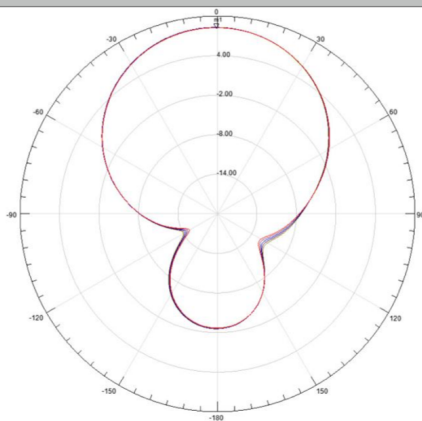
- ❶ Offer True FarField read zones
- ❷ Easy Installation hidden
- ❸ No surface dead zones
- ❹ Low VSWR at 1.3 with available cable extension

Descriptions

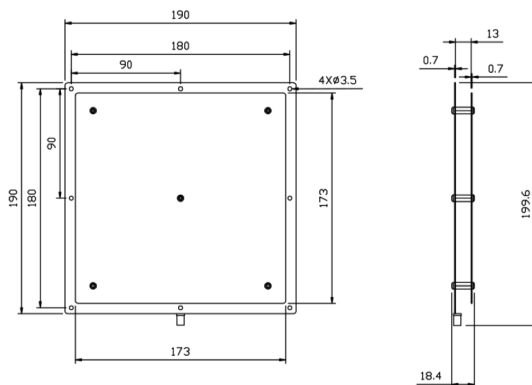
WBN-FF/RFID(US)1919 FarField Pro antennas are explicitly designed for applications, which require “Far zone only” tag detection or involves metals, liquids or any other challenging materials. With almost any far-field components and no surface dead spots, the FCC FarField Pro antennas provide reliable tag reads within a flexible read zone depends on input power of reader



Radiation Pattern



Dimension



Mechanical Specifications

Cable Length	30cm Cable (Optional)
Connector	SMA–Male/Female (Optional)
Weight	0.104 Kg
Dimensions	190 x 190 x 16 mm
Reflector Material	FR4
Radome Material	PCB
Radome Color	Refer to the Picture

Electrical Specifications

Frequency Range	902–928MHz
Gain	8dBi
Polarization	Circular
VSWR (Typ)	< 1.3
Axial Ratio	≤2dB
Horizontal Beam–Width	60°
Vertical Beam–Width	60°
Max. Input Power	50 Watts
Impedance	50 Ohm
Lightning Protection	DC Grounded

* The products and specifications described in this document are subject to change without notice.

Application Demonstration

RFID Portal

Using a Far–Field antenna for door control systems is a great way for items monitoring, personnel control and etc. This enable identifying each item or person in the doorway and it can be hidden inside of portal. A FF antenna can instantly and correctly identify all passing items and personnel that are crossed on the antenna detecting area with no stray reads.



Thanks to our unique antenna design, which scales easily in size, the FarField Pro antenna series offers different dimensions. If you require a different surface, please tell us:

The following are our standard far field antenna

Model No.	Antenna Dimension – mm	Gain – dBi
WBN-FF/RFID(US)1010	101x 101 x 10mm	4dBi
WBN-FF/RFID(US)1919	190 x 190 x 16 mm	8dBi
WBN-FF/RFID(US)2020	200x 200 x 14mm	7dBi
WBN-FF/RFID(US)2511	250 x 110 x 20mm	4dBi
WBN-FF/RFID(US)3419	340 x 190 x 09mm	5.5dBi
WBN-FF/RFID(US)3030	300 x 300 x 20mm	10dBi
WBN-FF/RFID(US)3434	340 x 340 x 20mm	9dBi
WBN-FF/RFID(US)3730	370 x 300 x 20mm	9dBi
WBN-FF/RFID(US)3520	360 x 200 x 21mm	10dBi
WBN-FF/RFID(US)3535	350 x 350 x 20mm	9dBi
WBN-FF/RFID(US)4008	400 x 80 x 25mm	5dBi
WBN-FF/RFID(US)4020	400 x 200 x 14mm	9dBi
WBN-FF/RFID(US)4620	460 x 200 x 14mm	9dBi
WBN-FF/RFID(US)6040	600 x 400 x 25mm	14dBi
WBN-FF/RFID(US)6819	680 x 190 x 20mm	11dBi

*For custom sizes, please contact sales. More info about our custom antenna design processes
please email sales@weibonuo.com

Enabling communications,
anywhere, everywhere.

We listen and answer to your needs with our experience and capability in the industry

www.weibonuo.com

Visit our website or contact our representative for more information.

