

# C9-2626

## UHF RFID antenna



C9-2626 is a **9dBi UHF RFID antenna available in right and left circular polarization**. It is suitable for many applications: RFID logistics tracking, warehouse management, door control system...

### Key features

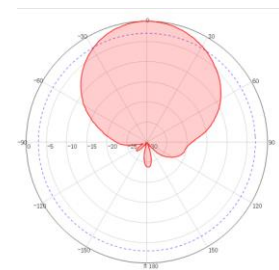
- RFID UHF
- Gain 9dBi
- Right or left circular polarization
- N-Female connector

### Applications

- RFID logistics tracking
- Warehouse management
- Door control system
- Man management system

### Functional specifications

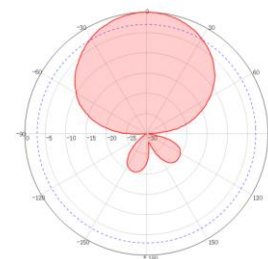
Type	UHF
Frequency	EU: 865-869MHz US: 902-928MHz
Gain	9dBi
Beam width	Hor: 70° Ver: 70°
Polarization	Circular right (standard) Circular left
VSWR	≤ 1.4
F/B Ratio	≥ 20
Input Impedance	50Ω
Maximum power	50W
Lightning protection	DC Ground
Antenna connector	N-Female



H-Plane

### Physical specifications

Dimensions	260*260*40mm
Net weight	1.1kg
Packing size	29*29*8cm
Gross weight	1.68kg
Radome material	ABS
Radome colour	White
Pole Diameter	Φ30-50mm
Rated wind velocity	60m/s



E-Plane

### Environment and industry compliance

Protection grade	IP65
Use	Outdoor
Operating Temperature	-40°C ~ +70°C

V2.1

Non-contractual data sheet

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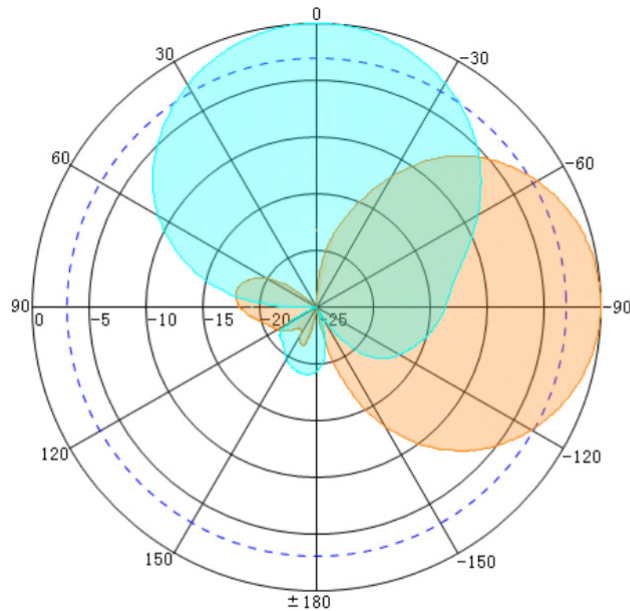
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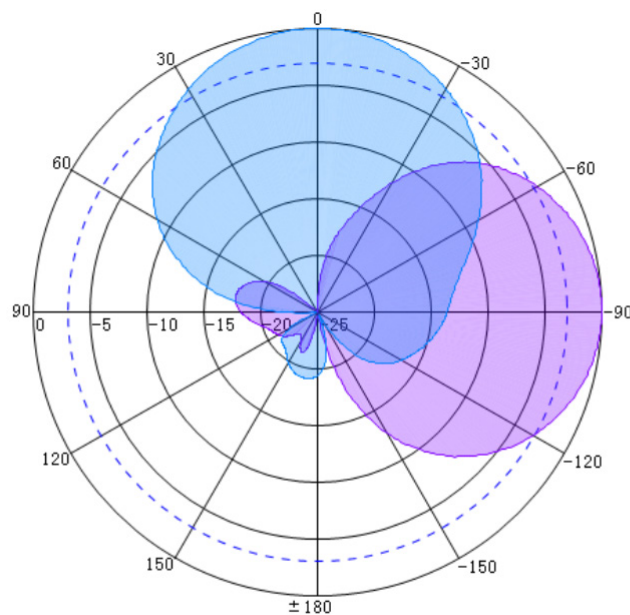
### Radiation patterns & gains

#### 1). 9.54dBi @865MHz



Freq	Date	Polarize	Max	HPBW (3dB)	FBR	ComGain	Direction	Gain
865	2019/10/24	H	-1.52	60.37	17.80	8.01	10.21	
865	2019/10/24	E	-0.08	68.48	18.99	9.45	8.87	9.54

#### 2). 9.52dBi @866.5MHz



Freq	Date	Polarize	Max	HPBW (3dB)	FBR	ComGain	Direction	Gain
866.5	2019/10/24	H	-1.85	60.44	17.68	0.00	10.21	
866.5	2019/10/24	E	-0.43	68.68	19.05	0.00	8.84	9.52

V2.1

Non-contractual data sheet

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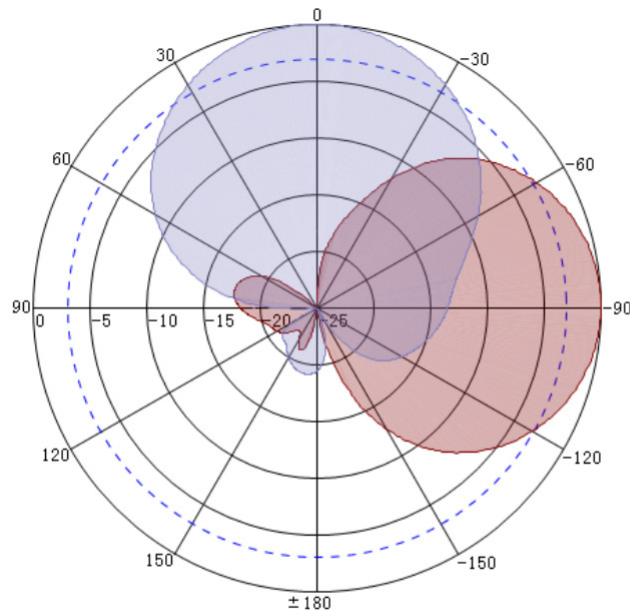
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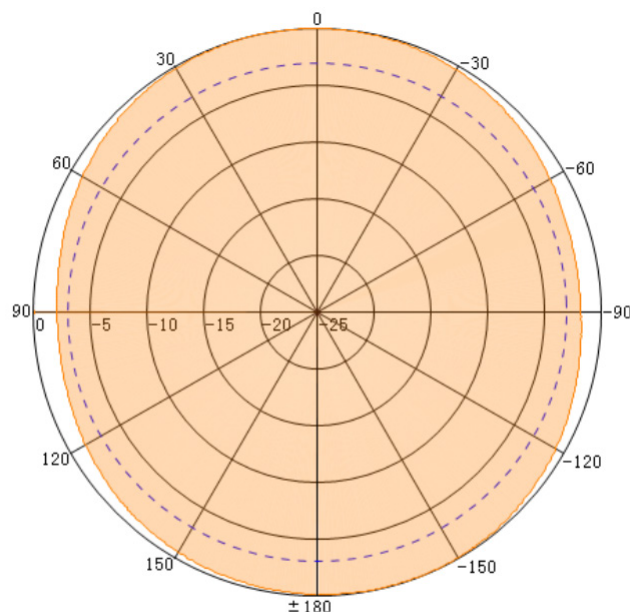
### 3). 9.51dBi @868MHz



Freq	Date	Polarize	Max	HPBW (3dB)	FBR	ComGain	Direction	Gain
868	2019/10/24	H	-2.12	60.16	17.56	7.58	10.21	
868	2019/10/24	E	-0.74	68.78	19.11	8.96	8.80	9.51

### Axial ratio

#### 1) 2.11 @865MHz



Freq	Date	Polarize	Max	HPBW (3dB)	AxialRatio
865	2019/10/24	H	-0.10	360.00	2.11

V2.1

Non-contractual data sheet

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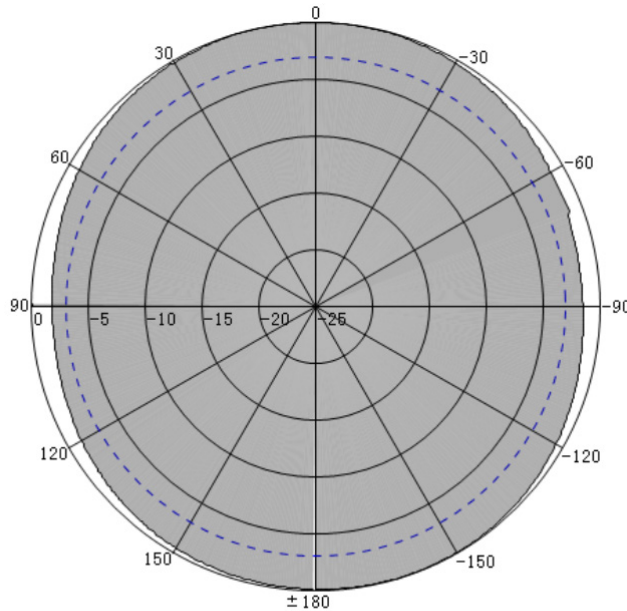
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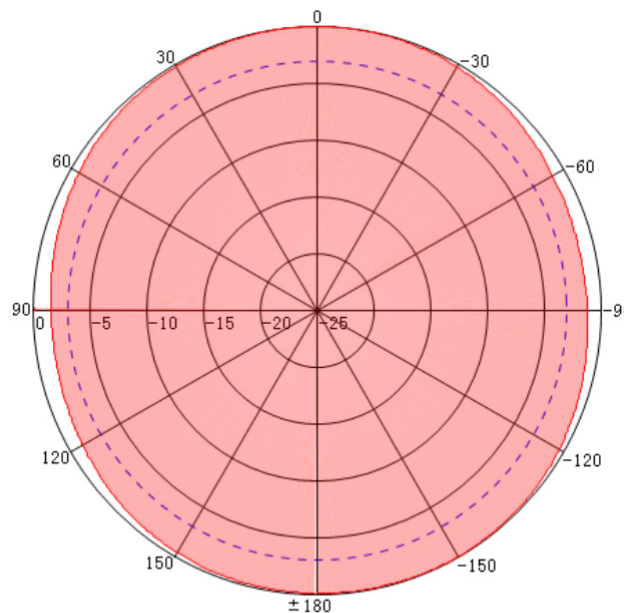
## UHF RFID antenna

### 2) 1.84 @866.5MHz



Freq	Date	Polarize	Max	HPBW (3dB)	AxialRatio
866.5	2019/10/24	H	-0.46	360.00	1.84

### 3) 1.6 @868MHz



Freq	Date	Polarize	Max	HPBW (3dB)	AxialRatio
868	2019/10/24	H	-0.75	360.00	1.60

V2.1

Non-contractual data sheet

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