

RFID

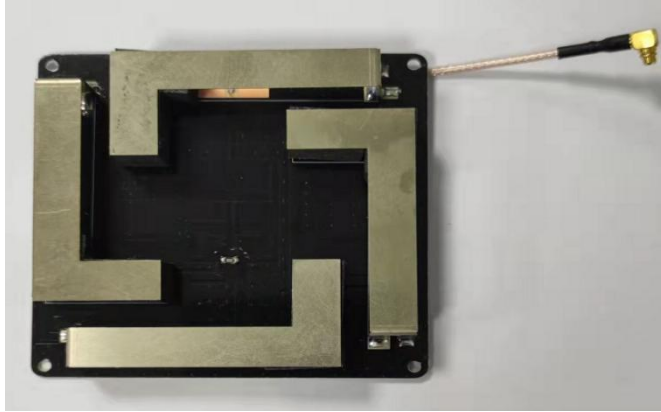


RFID four-wall spiral antenna specification book

1 Product profile

7070 Four-wall spiral antenna is a built-in UHF antenna, suitable for UHF frequency band RFID handheld terminal, tablet, printing terminal and other portable applications. This product has ultra-thin volume, high gain and low standing wave ratio characteristics

一、 product picture



二 product features

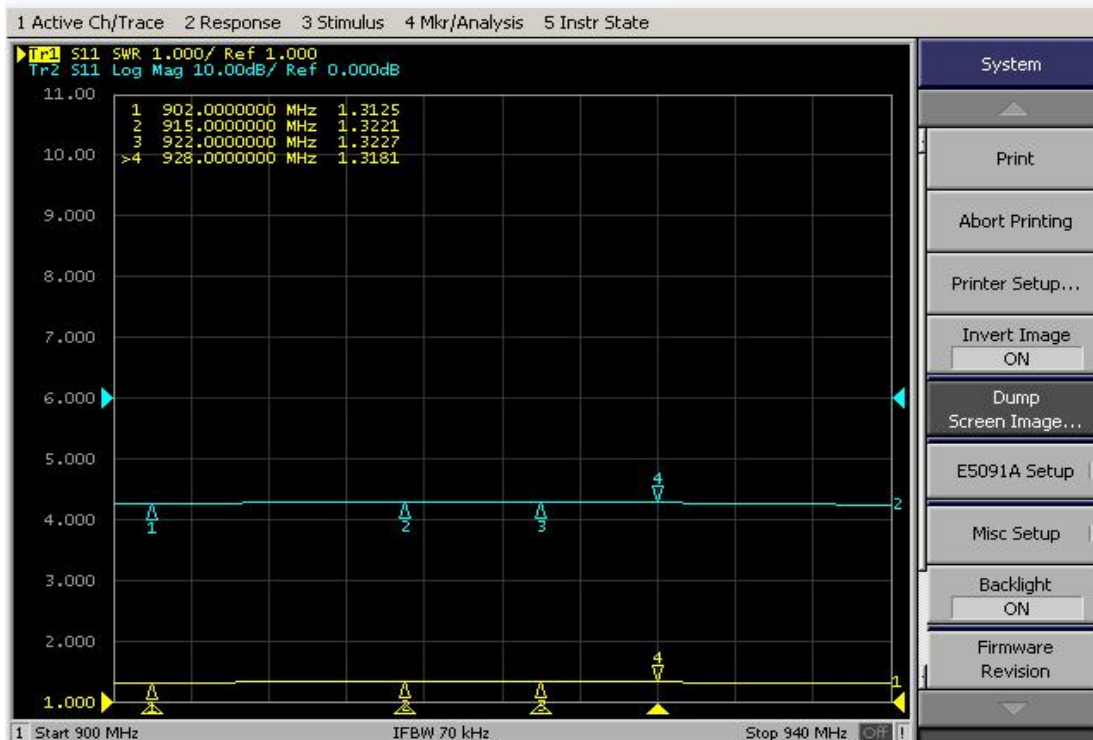
- ❖ High performance: with high gain, low standing wave and other characteristics
- ❖ Miniaturization: small appearance, excellent material
- ❖ Reliability: anti-aging, long time without fading
- ❖ Application scenarios: RFID handheld terminal, tablet, printing terminal and other portable occasions application scenarios

三 Product Parameter

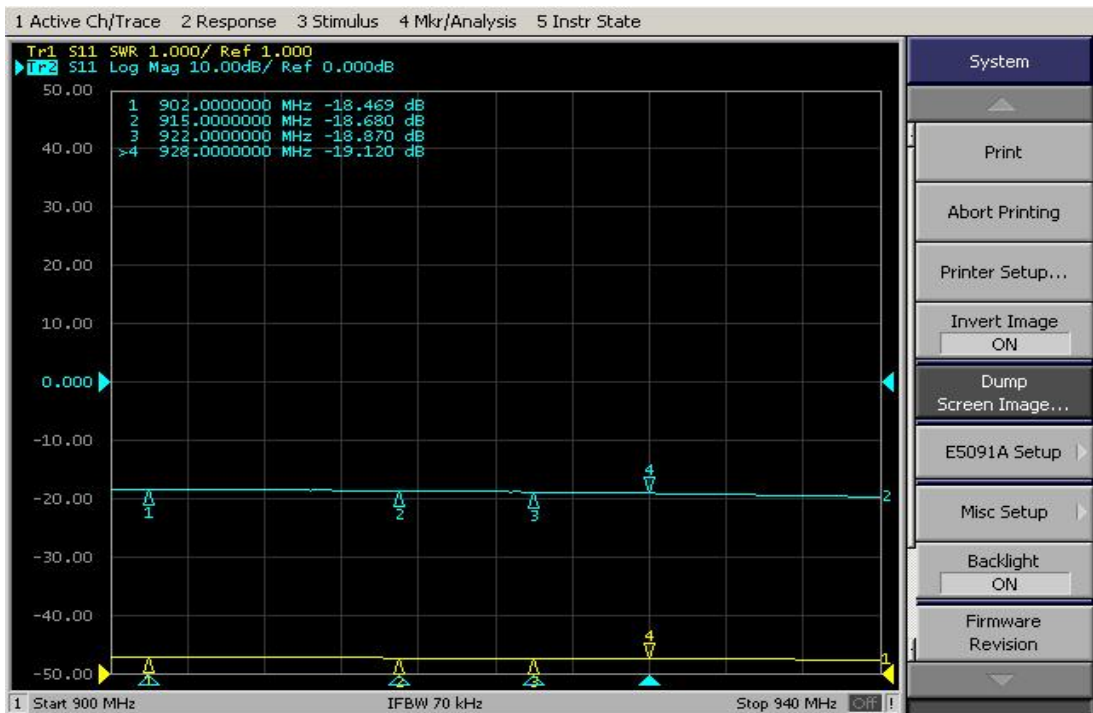
functional parameter	
RFID protocol	EPC Class1 Gen2, ISO18000-6C
frequency	902MHz ~ 928MHz
Polarization mode	circular polarization
gain(dBi)	3.04dBi
(impedance (Ω))	50 Ω
voltage standing-wave ratio (VSWR)	≤ 1.3
Physical parameters	
product size (mm)	70 mm×70 mm×12.5mm
Weight (net weight)	22g
material	PCB
pigment	black
joint categories	MMCX
environmental specification	
working temperature	-40°C ~ +85°C

2. Dark chamber characteristic curve

— Voltage standing ratio VSWR with frequency:

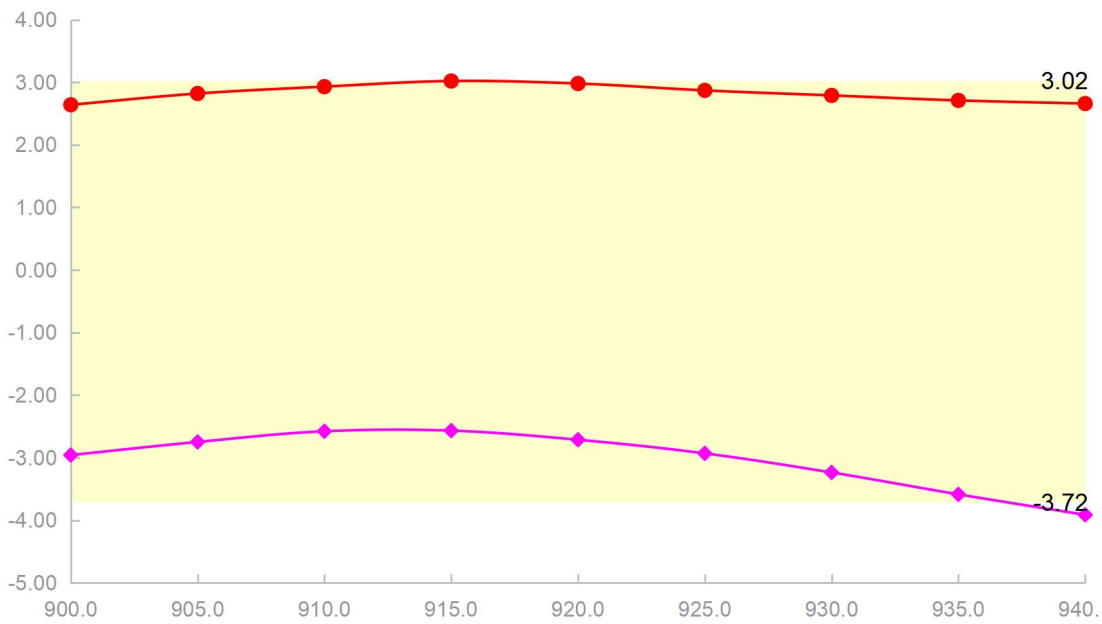
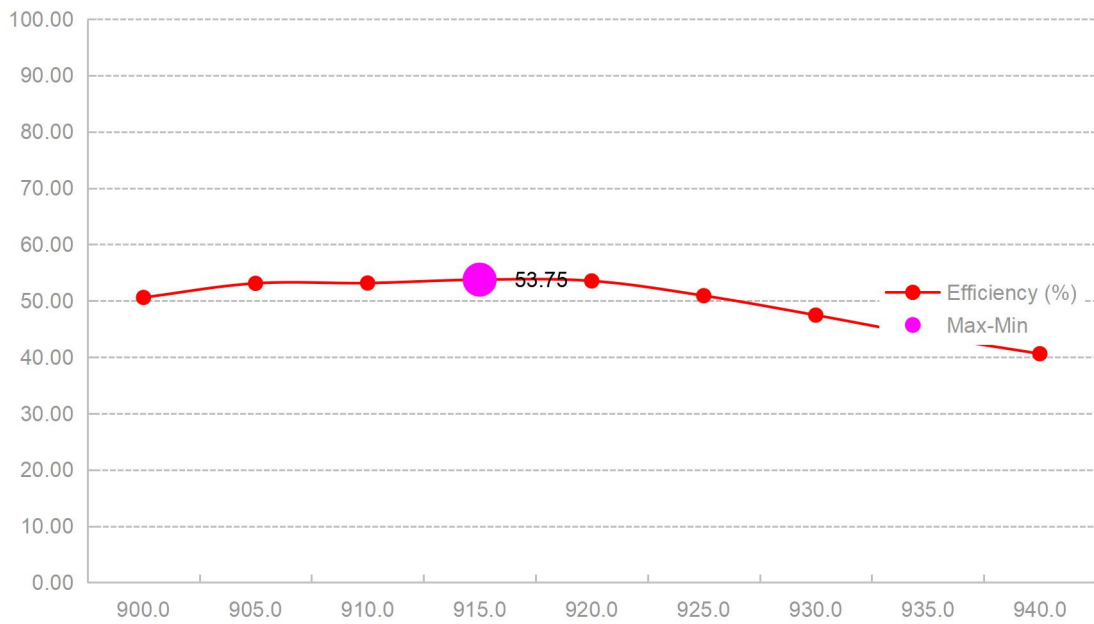


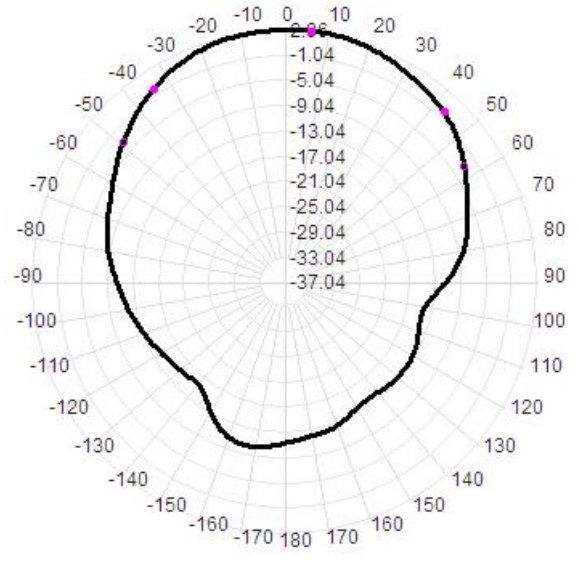
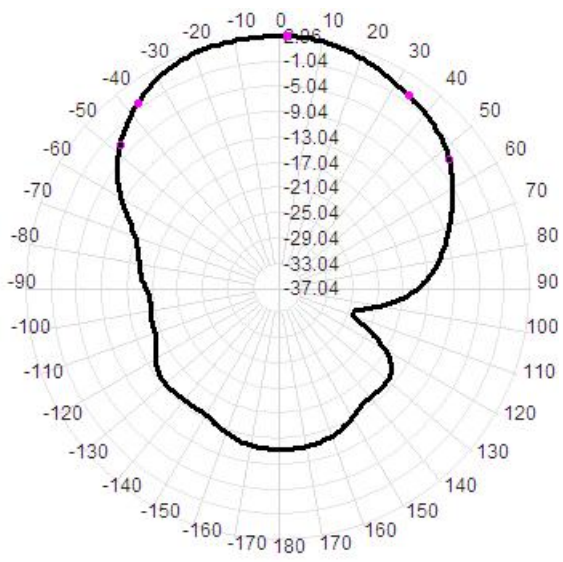
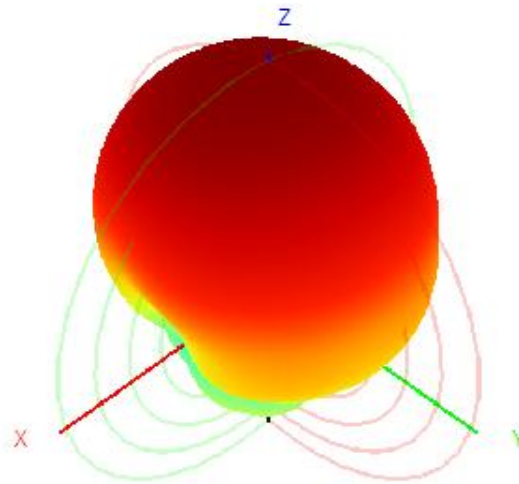
— Echo loss S11 with frequency:



Channel(MHZ)	gain(dBi)	productiveness(%)
902	2.82	52.3
915	3.02	53.7
920	3.04	53.6
928	2.95	50.15

三、 Measured antenna characteristic curve in the dark chamber





3 Size structure diagram

