

RFID 4050 Double-fed point ceramic antenna specifications

一、Product profile

4050 Dual-fed point ceramic antenna is a built-in UHF antenna for UHF band RFID handheld terminal, tablet, printing terminal and other portable applications. This product has the characteristics of small volume, high gain and low standing wave ratio.

二、product picture



三、product features

High performance: with high gain, low standing wave and other characteristics

Reliability: anti-aging, long time without fading

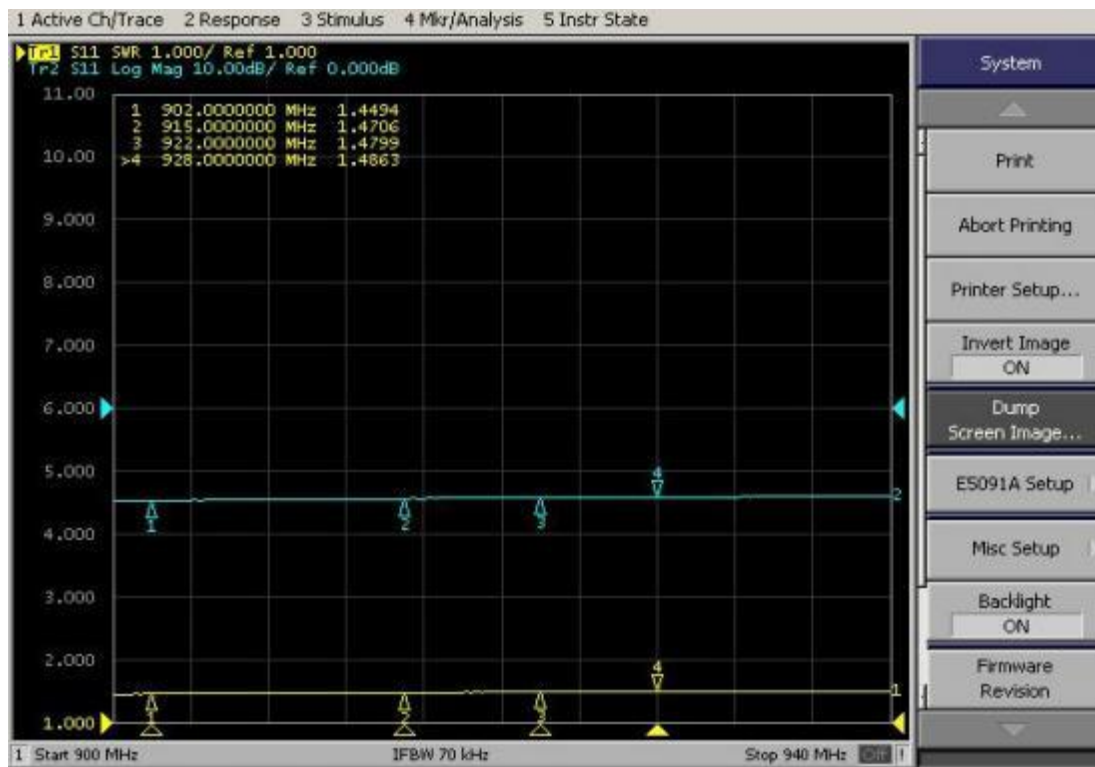
Application scenarios: intelligent manufacturing, station management, embedded equipment and other applications

四、Product Parameter

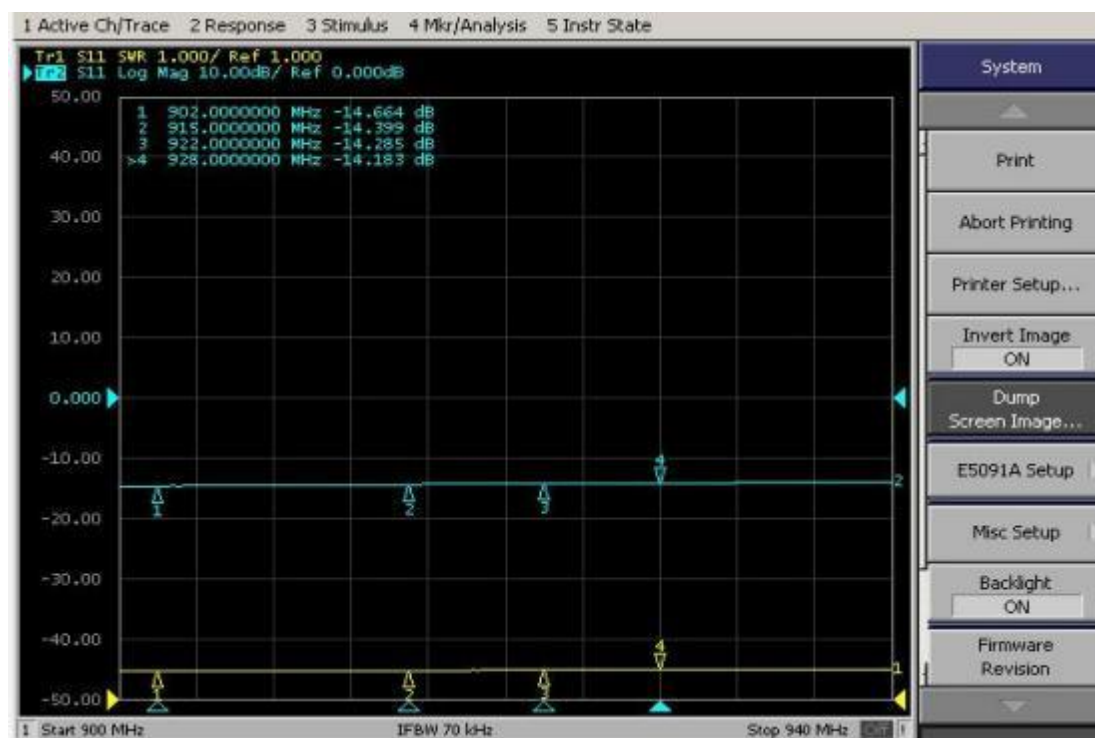
Functional parameter	
RFID protocol	EPC Class1 Gen2, ISO18000-6C
Frequency	902MHz ~ 928MHz
Polarization mode	circular polarization
Gain(dBi)	2.5dBi
Impedance(Ω)	50 Ω
Voltage standing-wave ratio (VSWR)	≤ 1.3
Physical parameters	
Product size (mm)	50 mm×50 mm×8mm (Ceramic body 40*40*5mm)
Weight (net weight)	40g
Material	pottery and porcelain
Pigment	Ivory
Joint categories	SMA(MMCX Customizable)
Environmental specification	
working temperature	-40°C ~ +85°C

五、Antenna characteristic curve

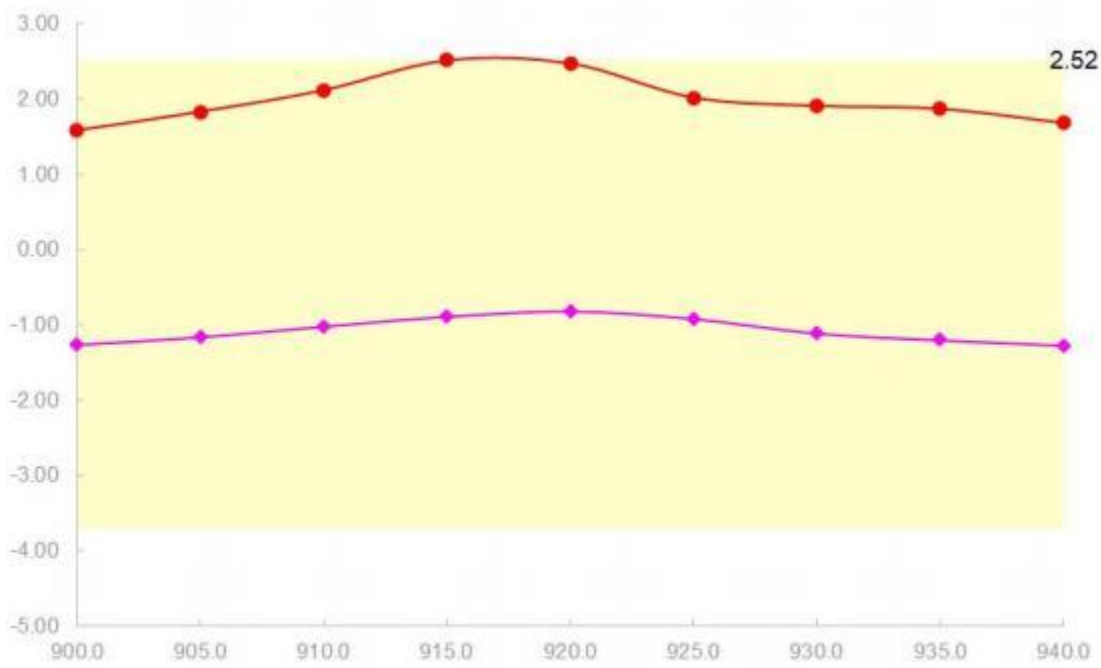
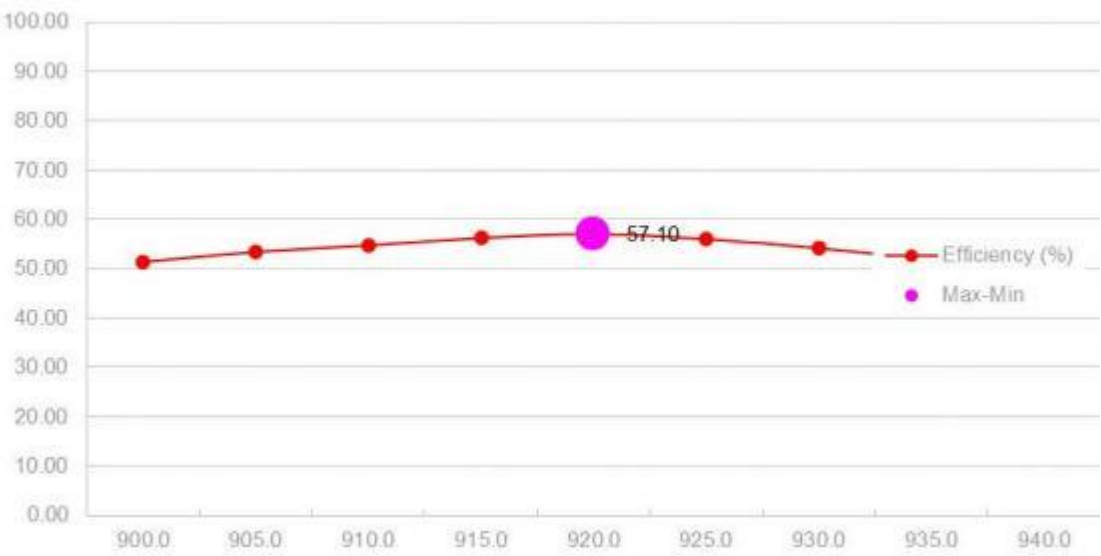
1、The voltage standing wave ratio VSWR with frequency :

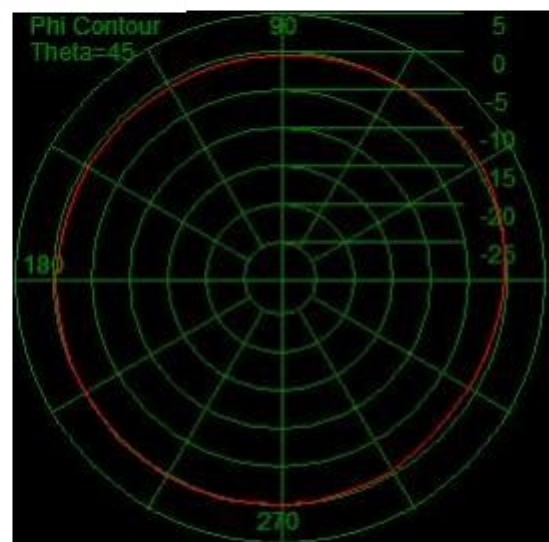
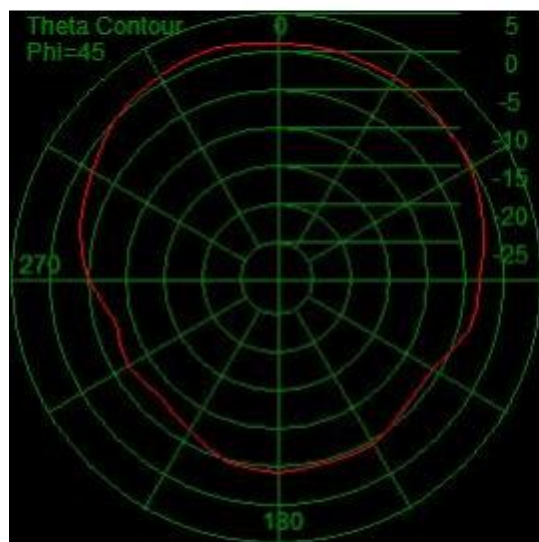
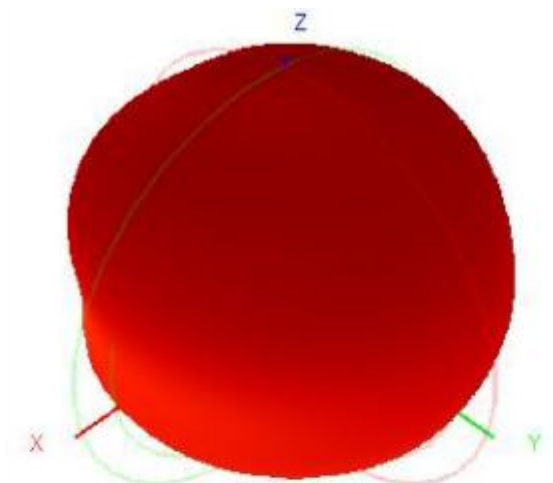


2、Echo loss S11 with frequency change curve :



六、 Measured antenna characteristic curve in the dark room





七、Size structure diagram

