

# RFID ANTENNA

## Model : TH-916



### 1. GENERAL DESCRIPTION

P/N
TH916-SMA(M) OR RP-SMA(M)

#### 1.1 Electrical Properties

Parameter	Description
Frequency Band	916MHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	2.0 : 1

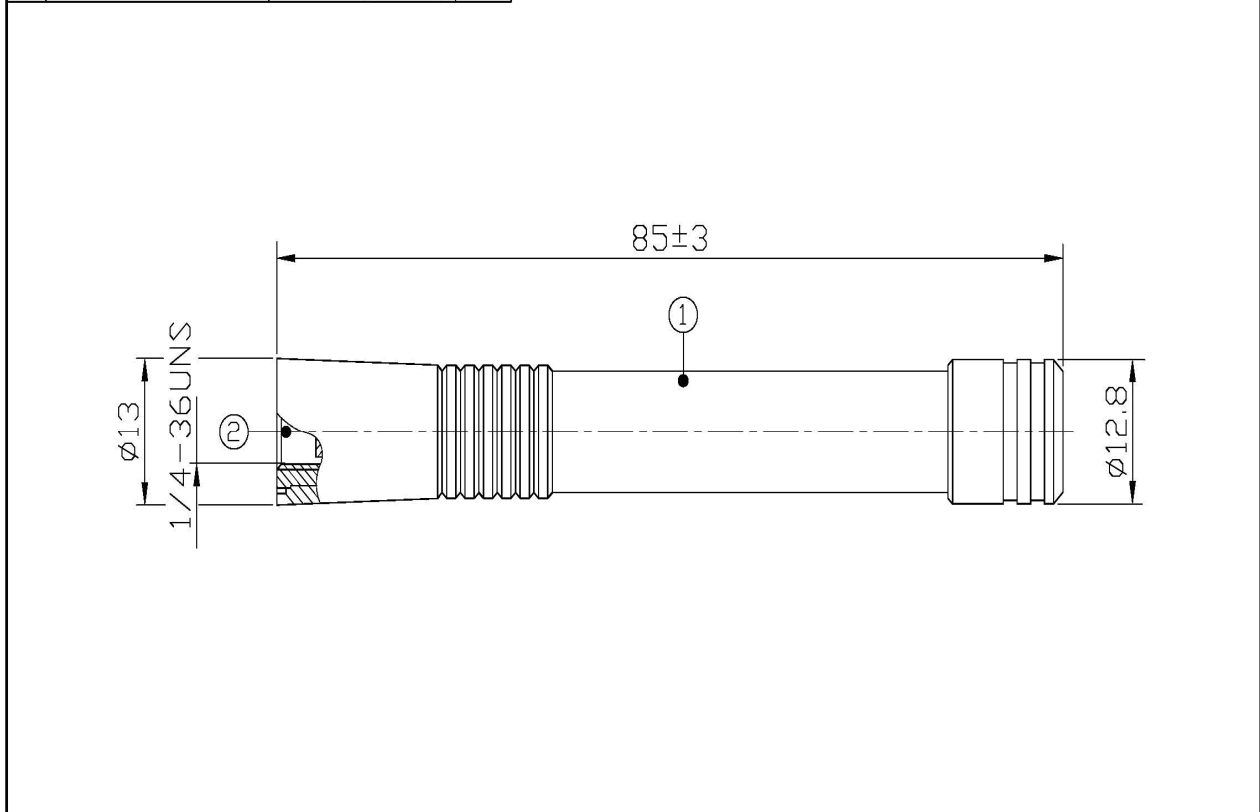
#### 1.2 Mechanical Properties


Parameter	Description
Antenna Type	External Antenna
Antenna Cover	TPR
Touch Type	Screw Type
Connector Type	SMA (M) OR RP-SMA(M)

Antenna Dimensions	85mm ±3
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-40°C~+80°C

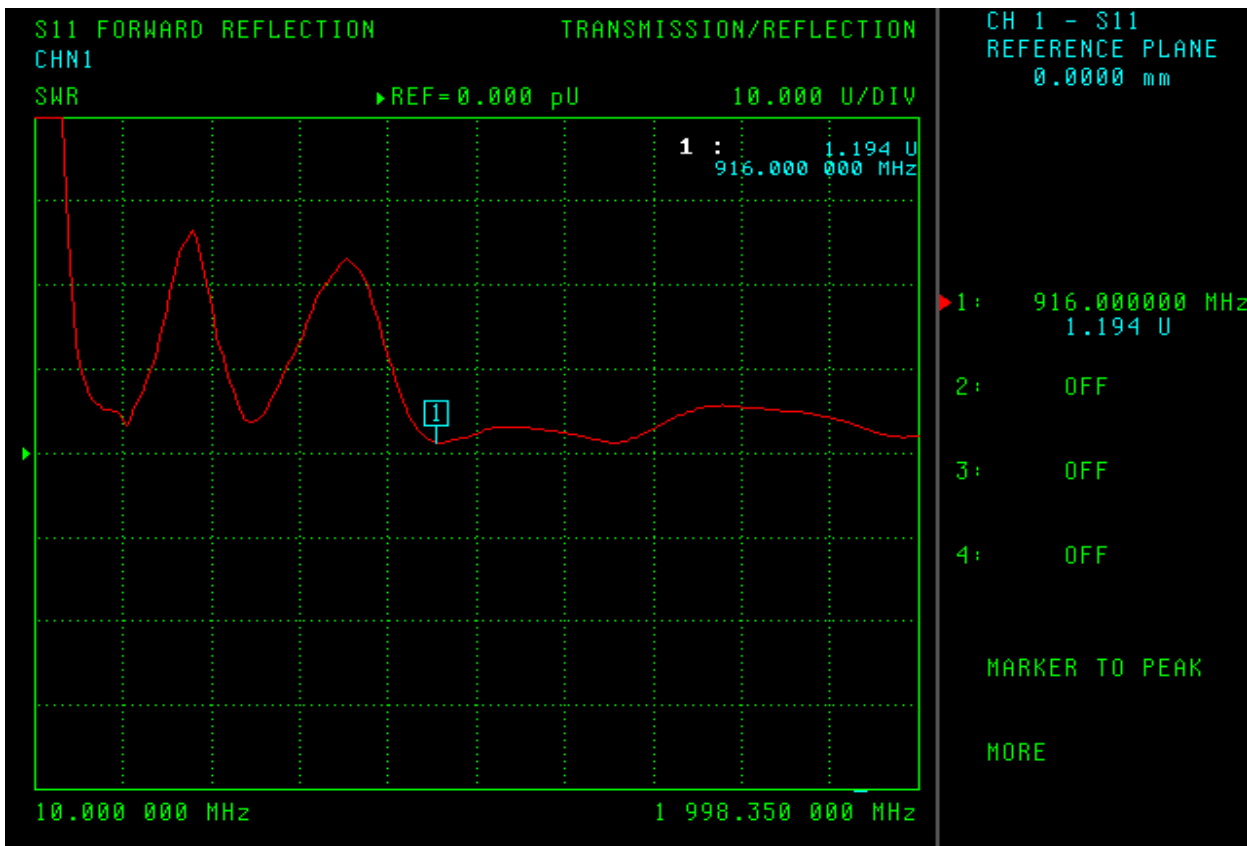
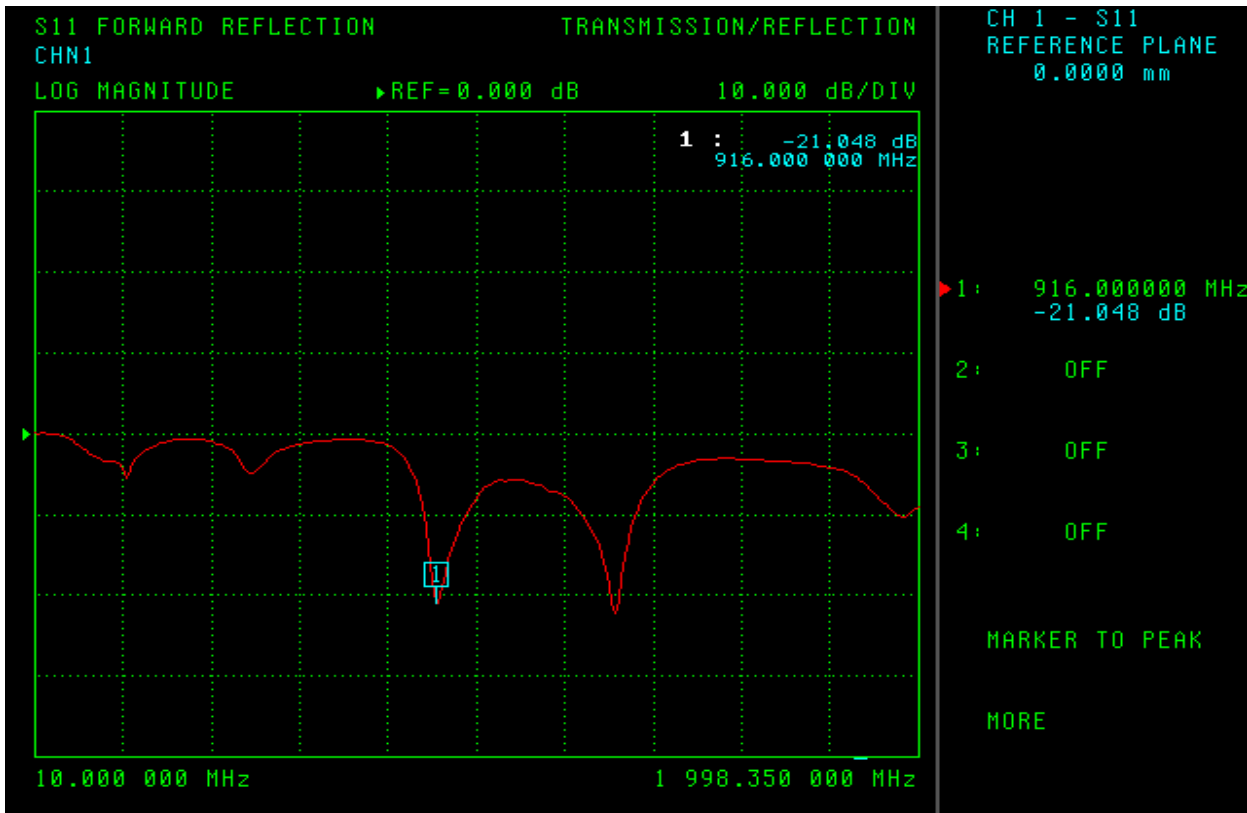
## 2. Appearance

NO.	NAME	FINISH	Q, TY
01	Core tube	Black	01
02	SMA(Male)	Colden plating	01



 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
					916MHz	M/M		20121203
	TOLERANCE	X. XX±0.15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS	$\frac{S}{\sqrt{V}}$	APPEARANCE					

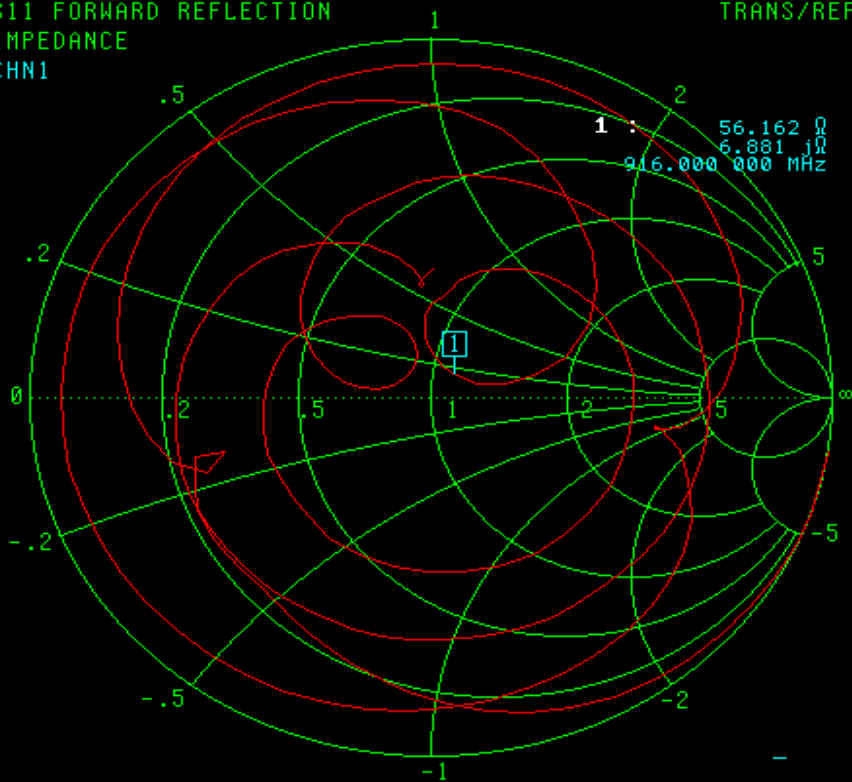
### 3. Return Loss, V.S.W.R. and Smith Chart



S11 FORWARD REFLECTION  
IMPEDANCE  
CHN1

TRANS/REFL

CH 1 - S11  
REFERENCE PLANE  
0.0000 mm



- 1: 916.000000 MHz
- 2: OFF
- 3: OFF
- 4: OFF

MARKER TO PEAK

MORE

10.000 000 MHz - 1 998.350 000 MHz