

1.4Ghz Antenna

MODEL: TH-1400



1. GENERAL DESCRIPTION

Model No	P/N
TH-1400	TH1400-SMA(M)

Below is a table summarizing the antenna design specification.

1.1 Electrical Properties


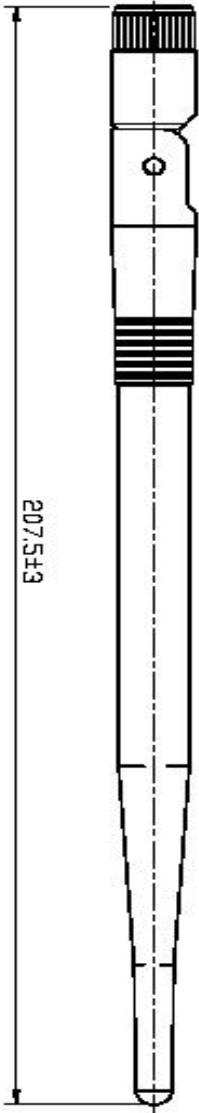
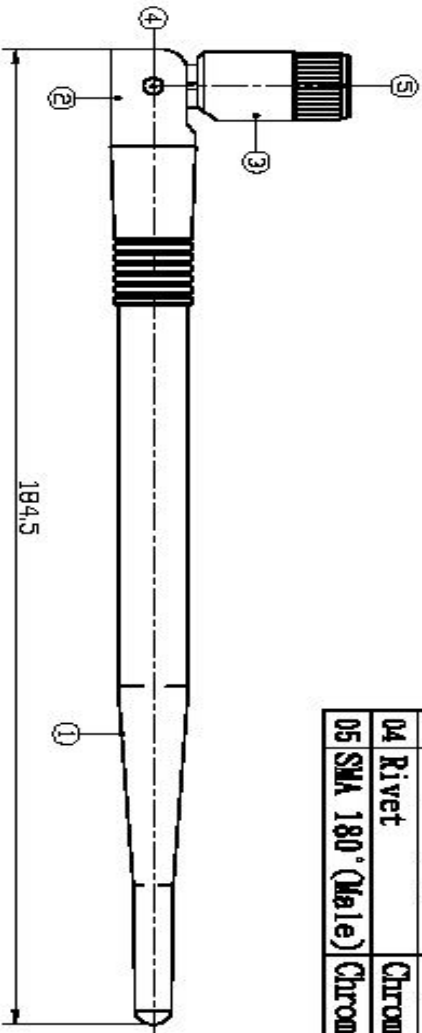

Parameter	Description
Frequency Band	1350~1450 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Gain	2db

1.2 Mechanical Properties

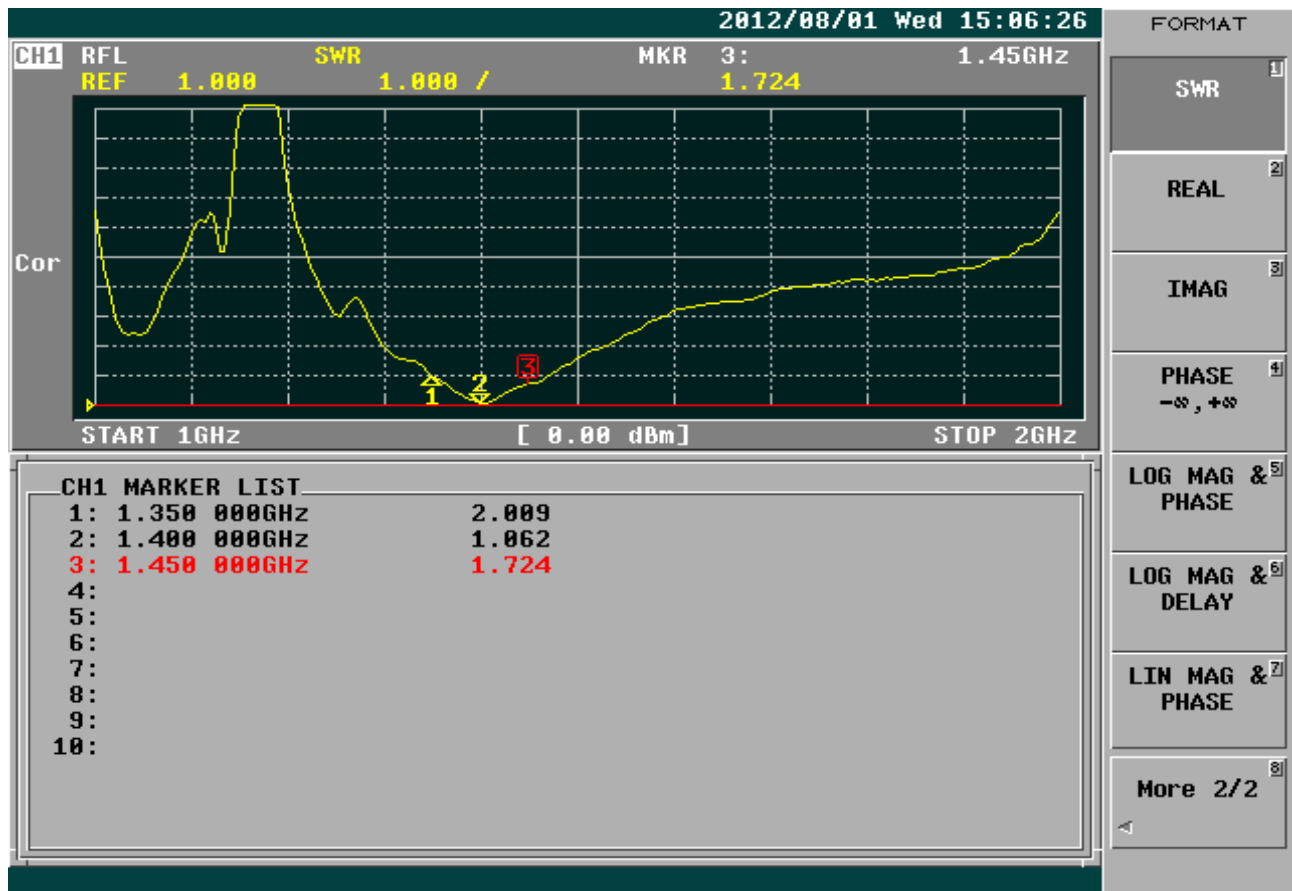
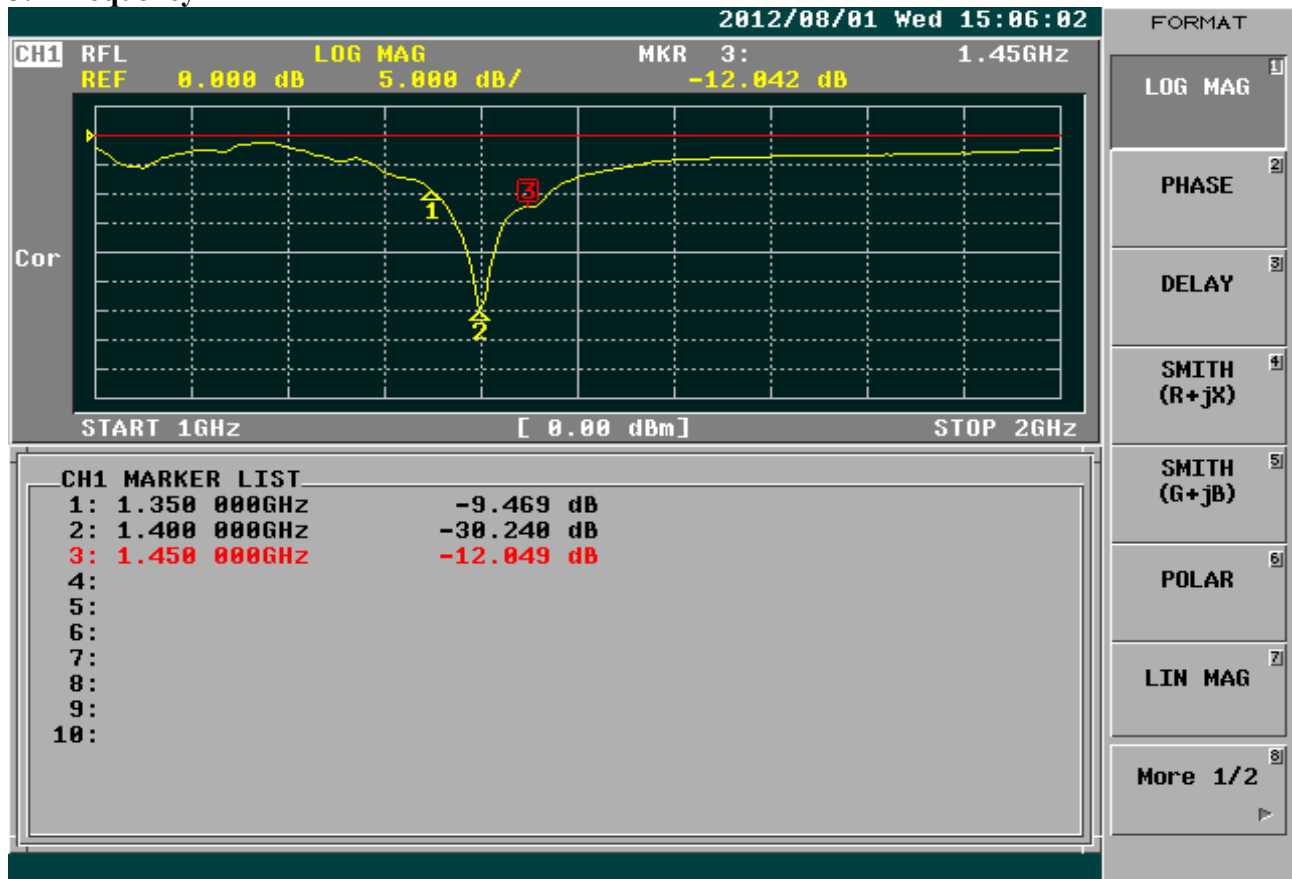
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	SMA (Male)

Antenna Dimensions	207.5mm ±2
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

2. Appearance

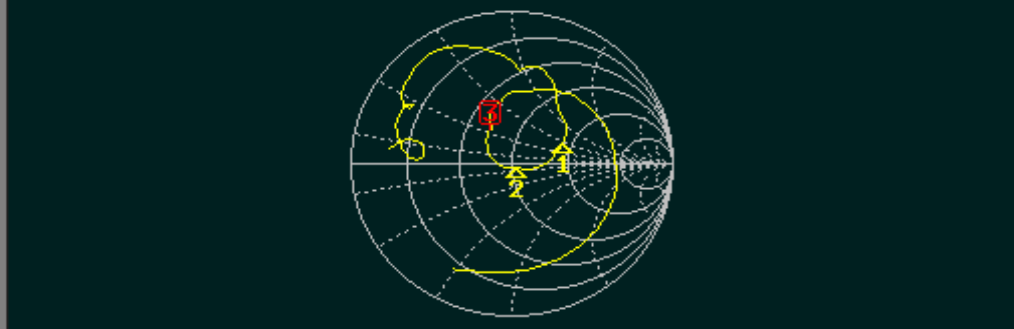
 Third angle projection		 207.5±3																															
 184.5																																	
								<table border="1"> <thead> <tr> <th>NO.</th> <th>NAME</th> <th>FINISH</th> <th>Q. TY</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Core tube</td> <td>Black</td> <td>01</td> </tr> <tr> <td>02</td> <td>Fixed upper</td> <td>Black</td> <td>01</td> </tr> <tr> <td>03</td> <td>Fixed beneath</td> <td>Black</td> <td>01</td> </tr> <tr> <td>04</td> <td>Rivet</td> <td>Chrom plating</td> <td>02</td> </tr> <tr> <td>05</td> <td>SMA 180° (Male)</td> <td>Chrom plating</td> <td>01</td> </tr> </tbody> </table>		NO.	NAME	FINISH	Q. TY	01	Core tube	Black	01	02	Fixed upper	Black	01	03	Fixed beneath	Black	01	04	Rivet	Chrom plating	02	05	SMA 180° (Male)	Chrom plating	01
NO.	NAME	FINISH	Q. TY																														
01	Core tube	Black	01																														
02	Fixed upper	Black	01																														
03	Fixed beneath	Black	01																														
04	Rivet	Chrom plating	02																														
05	SMA 180° (Male)	Chrom plating	01																														
CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION																										
3			1850-1450MHz	N/A		20120716	1																										
TOLERANCE	1: X.XX0-15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED																										
SURFACE ROUGHNESS		APPEARANCE																															

3. Frequency



CH1 RFL SMITH(R+jX) MKR 3: 1.45GHz
 FS 1.000 34.245 Ω 16.592 Ω

Cor



START 1GHz [0.00 dBm] STOP 2GHz

CH1 MARKER LIST

1:	1.350 000GHz	88.823 Ω	25.951 Ω	3.059nH
2:	1.400 000GHz	51.627 Ω	-2.288 Ω	49.677pF
3:	1.450 000GHz	34.245 Ω	16.592 Ω	1.821nH
4:				
5:				
6:				
7:				
8:				
9:				
10:				

FORMAT

LOG MAG

PHASE

DELAY

SMITH
(R+jX)

SMITH
(G+jB)

POLAR

LIN MAG

More 1/2