

L Band Antenna

MODEL: TH-1450D



1. GENERAL DESCRIPTION

Model No
TH-1450D-RPSMA(M)

1.1 Electrical Properties

Parameter	Description
Frequency Band	1400~1500MHz
Nominal Impedance	50 ohm
Polarization	Vertical
V.S.W.R	2.0:1

1.2 Mechanical Properties

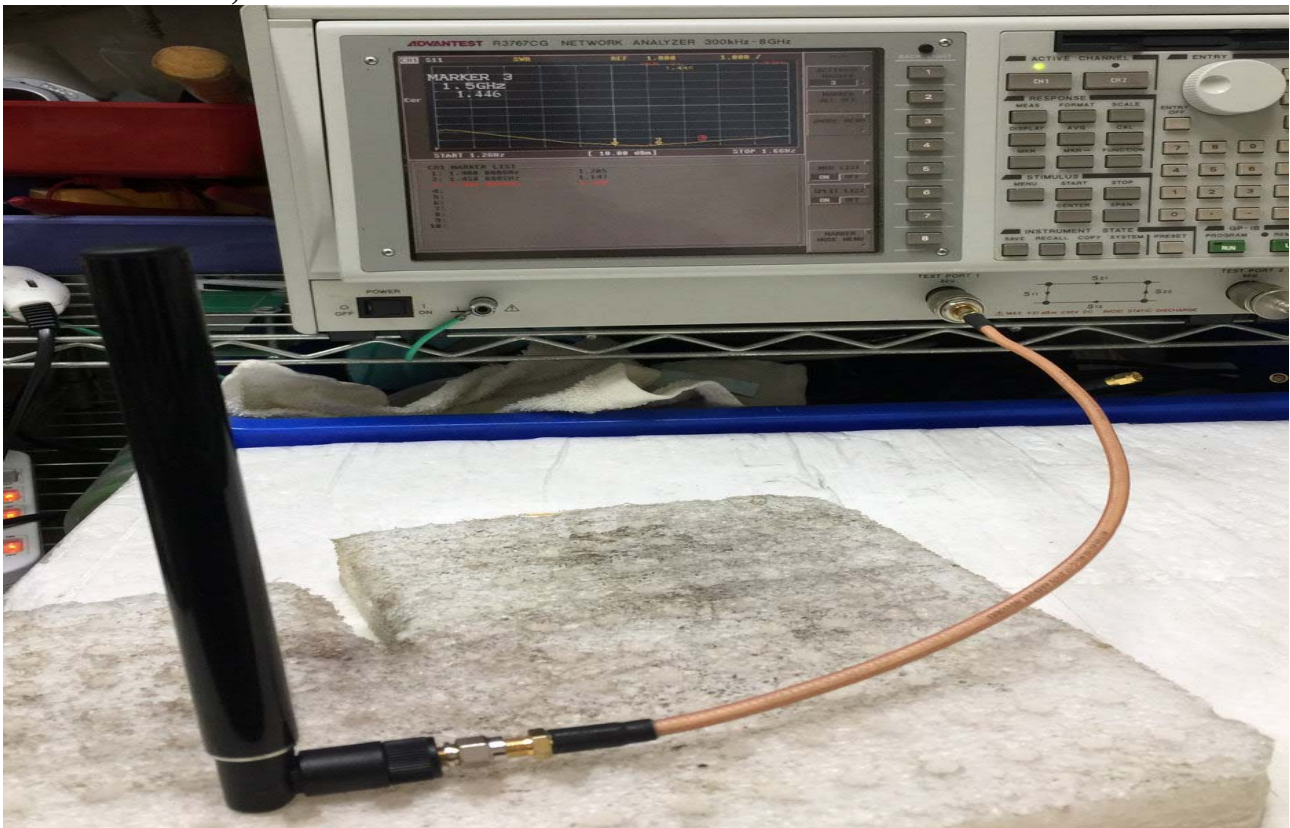
Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	RP-SMA(M)
Antenna Dimensions	OD16 x 198 mm \pm 3
Antenna Color	Black
Operating Temperature Range	-30°C~+70°C
Storage Temperature Range	-30°C~+70°C

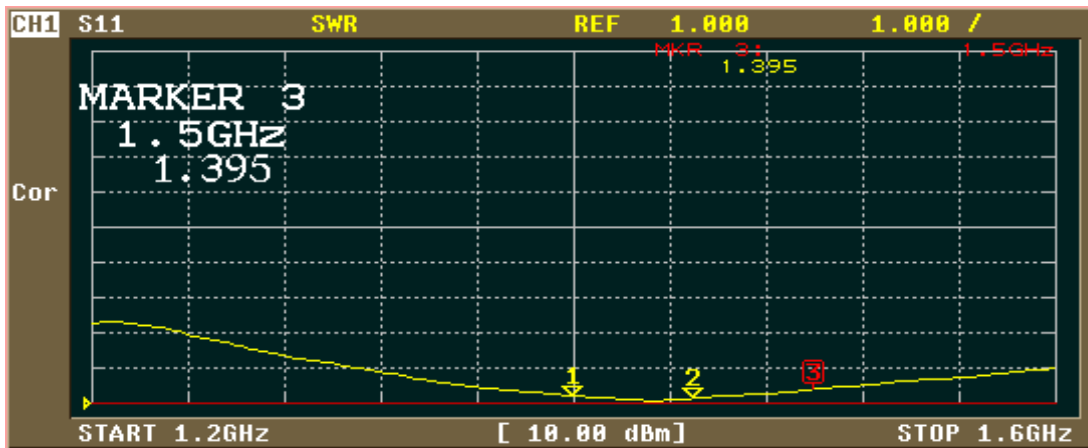
2. Appearance

		NO.	NAME	FINISH	Q, TY
		01	Plug cap	Black	01
		02	Tubing plastic	Black	01
		03	Fixed set	Nickel plating	01
		04	Fixed upper	Black	01
		05	Fixed beneath	Black	01
		06	Rivet	Chrom plating	02
		07	RP-SMA		01

CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
		TH1450D	1400~1500Mhz	M/M		20190125	1
TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
SURFACE ROUGHNESS	\sqrt{S}	APPEARANCE					

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





CH1 MARKER LIST

1:	1.400 000GHz	1.211
2:	1.450 000GHz	1.140
3:	1.500 000GHz	1.395
4:		
5:		
6:		
7:		
8:		
9:		
10:		

MKR

ACTIVATE MARKER
3

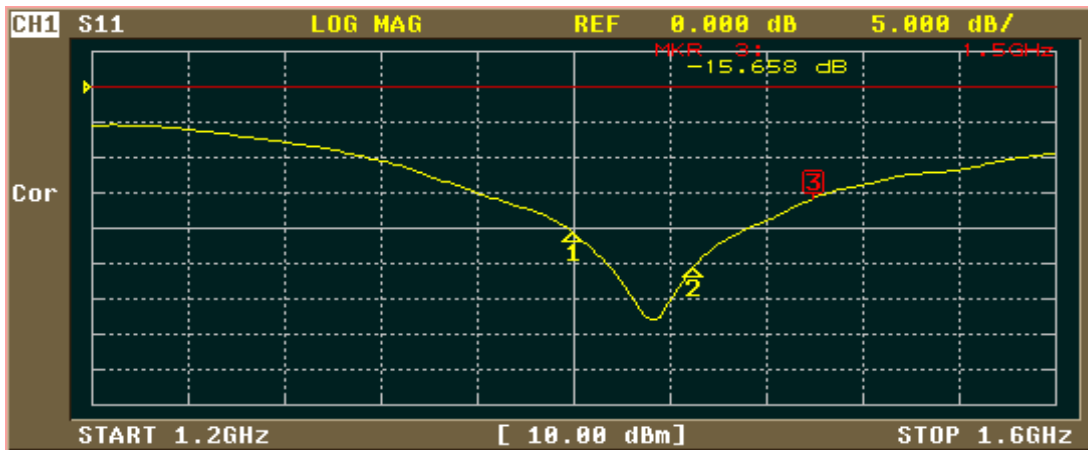
MARKER ALL OFF

ΔMODE MENU

MKR LIST
ON OFF

SPLIT LIST
ON OFF

MARKER MODE MENU



CH1 MARKER LIST

1:	1.400 000GHz	-20.600 dB
2:	1.450 000GHz	-25.497 dB
3:	1.500 000GHz	-15.658 dB
4:		
5:		
6:		
7:		
8:		
9:		
10:		

FORMAT

LOG MAG

PHASE

DELAY

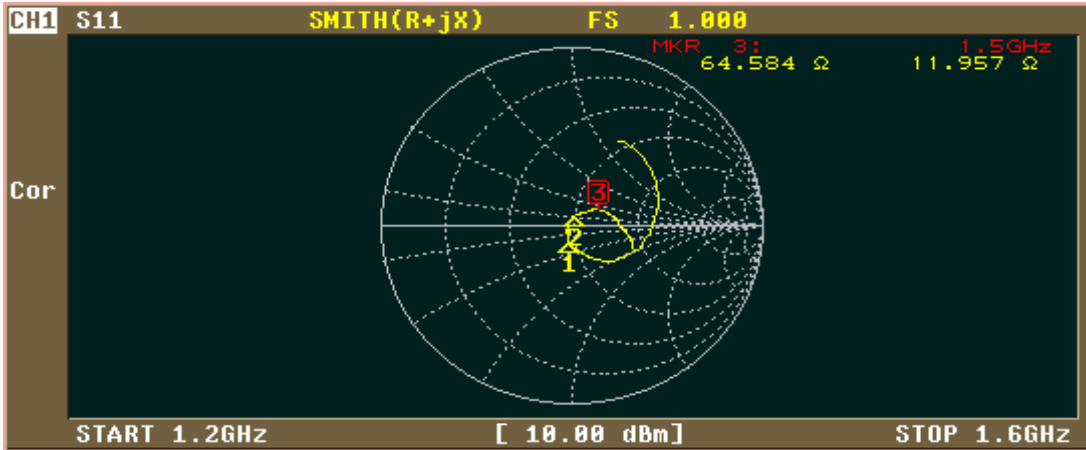
SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

More 1/2



CH1 MARKER LIST

1:	1.400 000GHz	47.664 Ω	-8.544 Ω	13.304pF
2:	1.450 000GHz	50.649 Ω	5.312 Ω	583.134pH
3:	1.500 000GHz	64.584 Ω	11.957 Ω	1.268nH
4:				
5:				
6:				
7:				
8:				
9:				
10:				

FORMAT

LOG MAG 1

PHASE 2

DELAY 3

SMITH (R+jX) 4

SMITH (G+jB) 5

POLAR 6

LIN MAG 7

More 1/2 8