

VHF & UHF Antenna

MODEL: TH-160



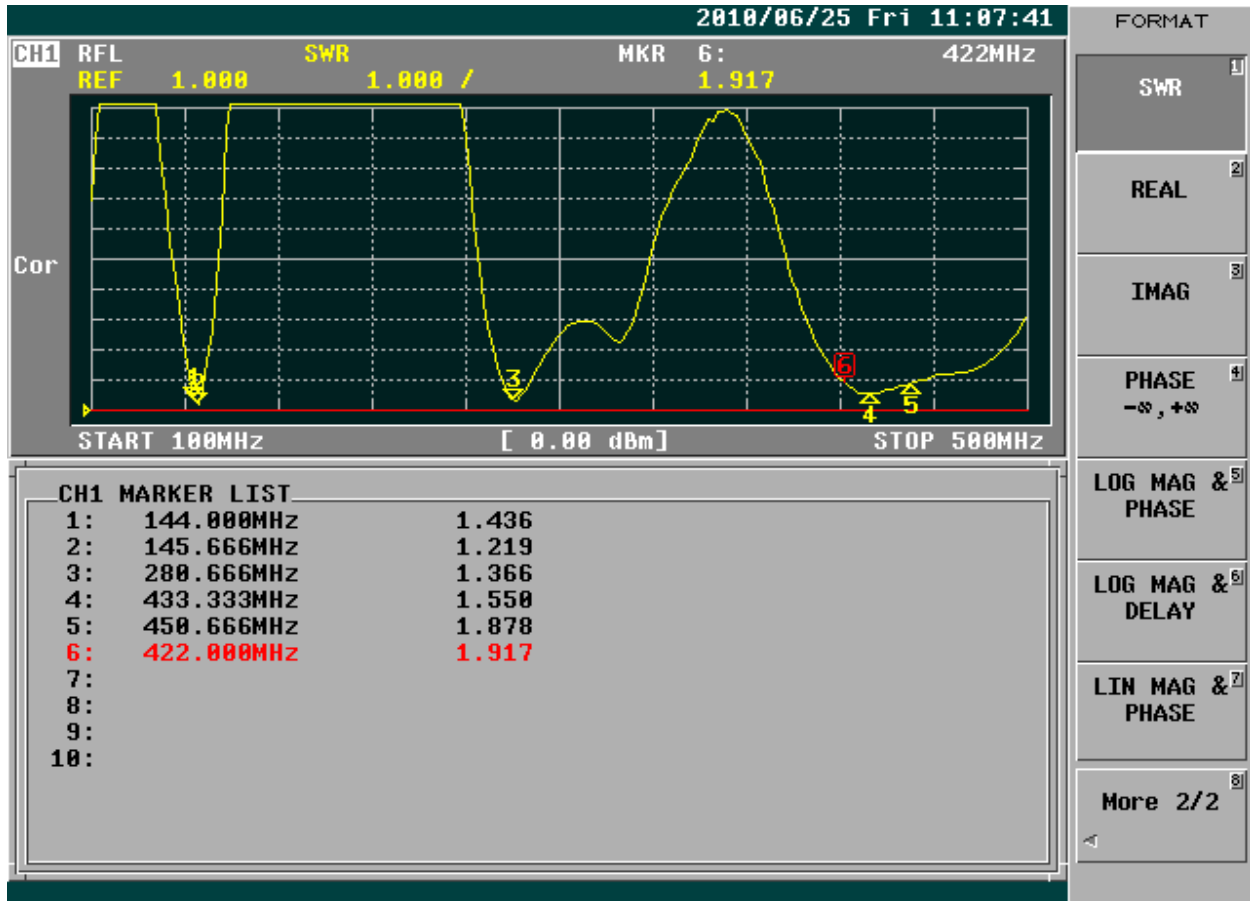
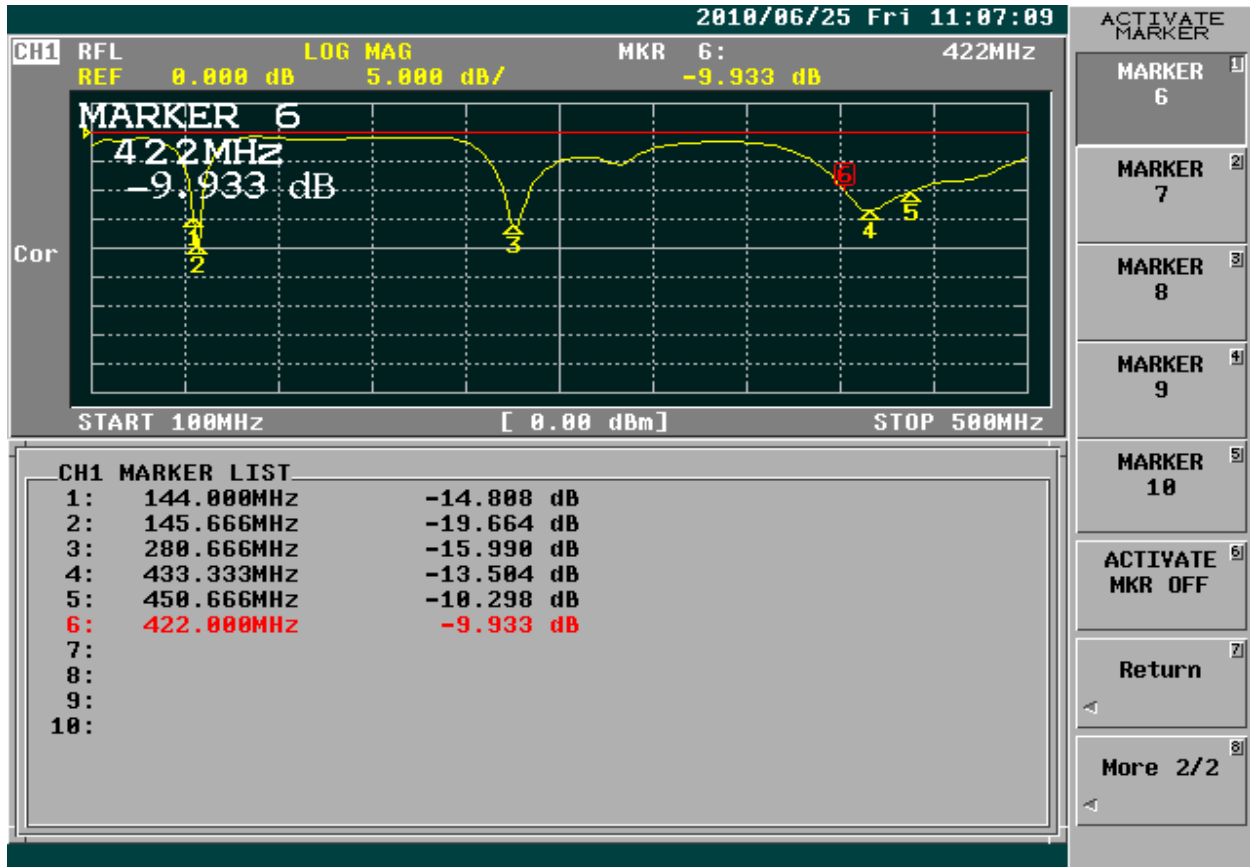
1.1 Electrical Properties

Parameter	Description
Frequency Band	144/430 MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	1 / 2 λ Dipole
POWER	60W
V.S.W.R	2.0:1
Antenna Average Gain	3~5.5dBi
Note: Gain includes the cable loss	

1.2 Mechanical Properties

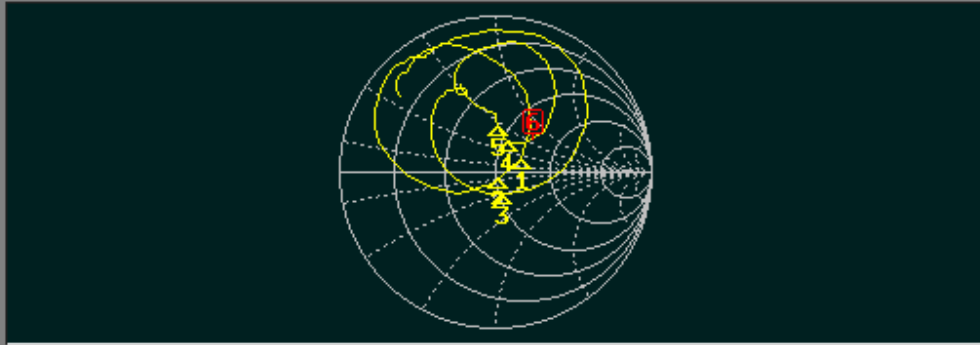
Parameter	Description
Antenna Type	External Antenna
Antenna Cover	SUS
Touch Type	Screw Type
Connector Type	PL259 (Male)
Antenna Dimensions	750mm \pm 3
Operating Temperature Range	-40°C~+80°C
Storage Temperature Range	-40°C~+90°C

2.FREQUENCY



CH1 RFL SMITH(R+jX) MKR 6: 422MHz
 FS 1.000 71.402 Ω 33.284 Ω

Cor



START 100MHz [0.00 dBm] STOP 500MHz

CH1 MARKER LIST

1:	144.000MHz	67.214 Ω	11.973 Ω	13.234nH
2:	145.666MHz	50.274 Ω	-4.984 Ω	219.218pF
3:	280.666MHz	51.854 Ω	-14.446 Ω	39.252pF
4:	433.333MHz	52.957 Ω	22.422 Ω	8.235nH
5:	450.666MHz	41.889 Ω	28.195 Ω	9.957nH
6:	422.000MHz	71.418 Ω	33.178 Ω	12.513nH
7:				
8:				
9:				
10:				

FORMAT

LOG MAG

PHASE

DELAY

SMITH
(R+jX)

SMITH
(G+jB)

POLAR

LIN MAG

More 1/2