

Internal UHF Antenna

MODEL: IAP-460

Inside Glass Antenna



1. GENERAL DESCRIPTION

Model No	P/N
IAP-460	IAP460-80mm-IPEX

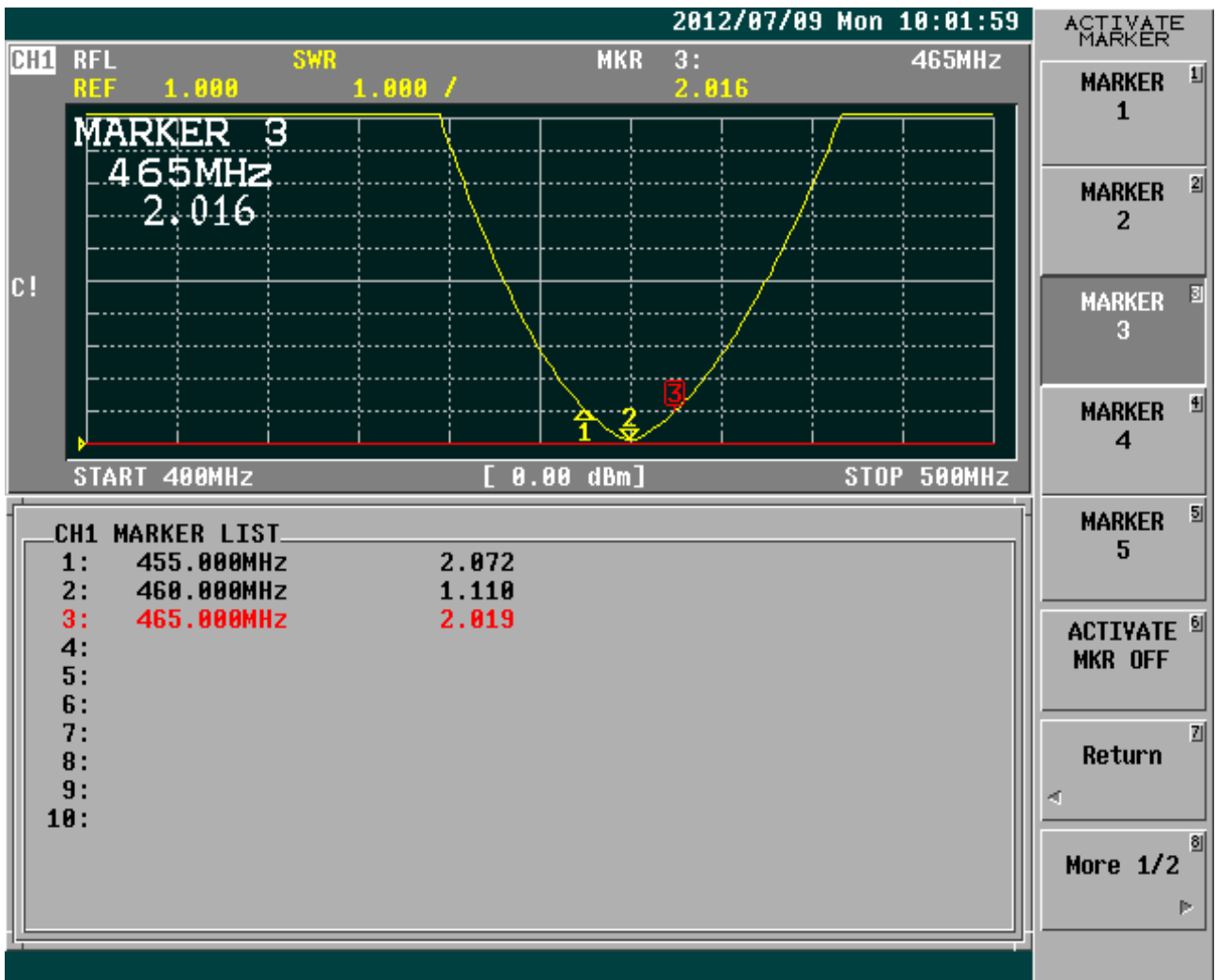
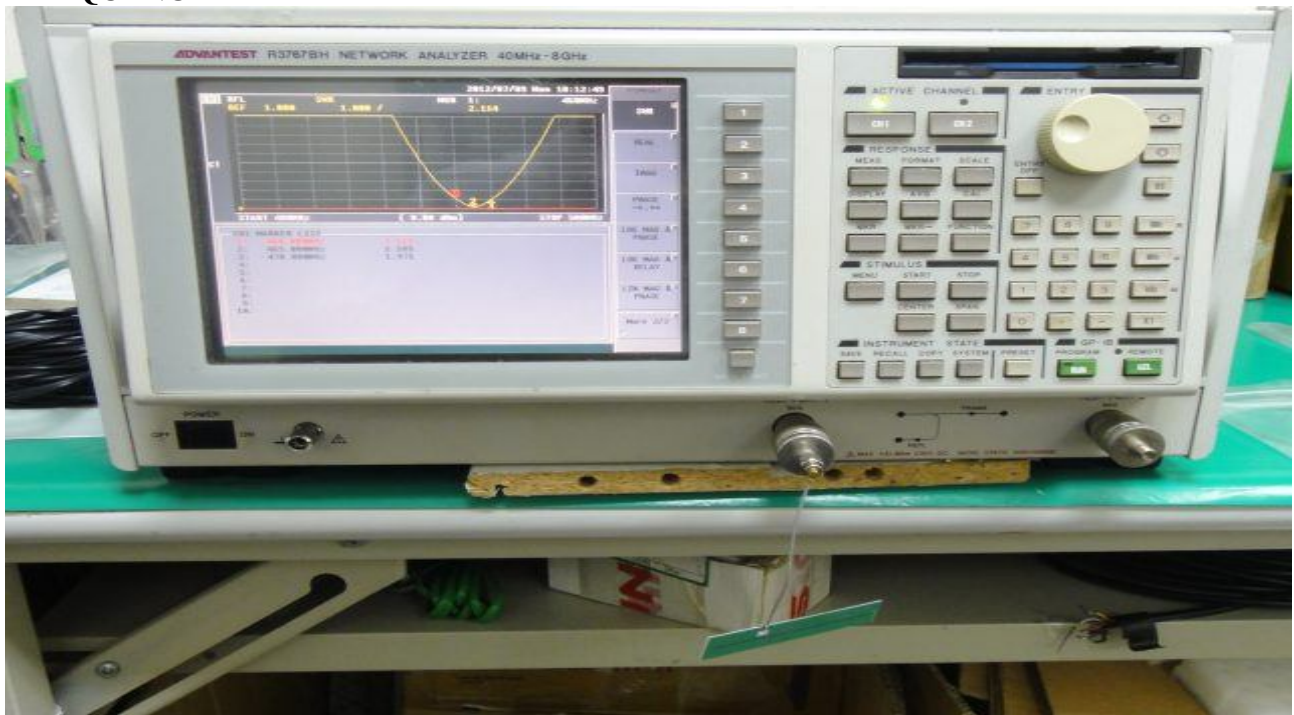
1.2 Electrica Properties

Parameter	Description
Frequency Band	455~465 Mhz (460Mhz)
Nominal Impedance	50 ohm
Polarization	Vertical
Return Loss	-10db
V.S.W.R	2.0:1
Antenna Average Gain	3.0dBi
Note: Gain includes the cable loss	

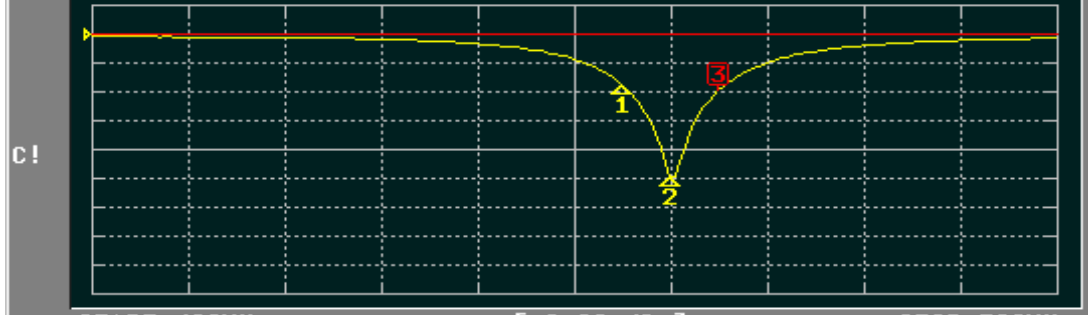
1.2 Mechanical Properties

Parameter	Description
Antenna Type	Inside Glass Antenna
Antenna Material	TPR
Connector Type	IPEX
Antenna Dimensions	83mm x 14.4mm x 0.8mm
Antenna Cable Total Length	80mm ± 10
Operating Temperature Range	-30°C~+80°C
Storage Temperature Range	-40°C~+85°C

FREQUENCY



CH1 RFL LOG MAG MKR 3: 465MHz
 REF 0.000 dB 5.000 dB/ -9.723 dB



START 400MHz [0.00 dBm] STOP 500MHz

CH1 MARKER LIST

1:	455.000MHz	-8.827 dB
2:	460.000MHz	-24.713 dB
3:	465.000MHz	-9.723 dB
4:		
5:		
6:		
7:		
8:		
9:		
10:		

FORMAT

LOG MAG

PHASE

DELAY

SMITH (R+jX)

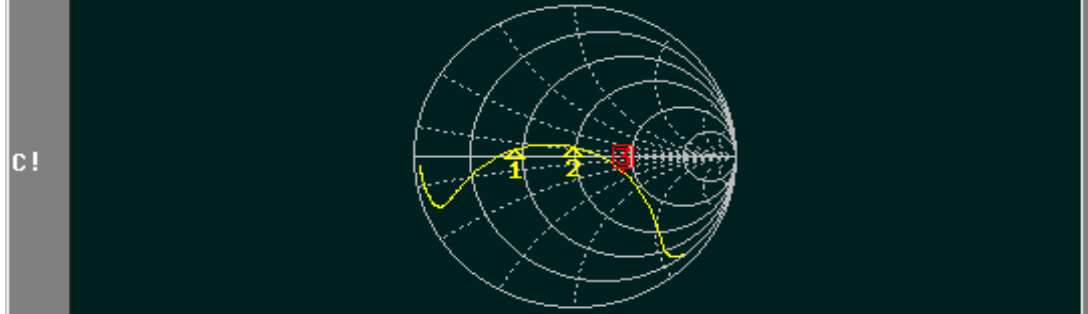
SMITH (G+jB)

POLAR

LIN MAG

More 1/2

CH1 RFL SMITH(R+jX) MKR 3: 465MHz
 FS 1.000 89.800 Ω -21.249 Ω



START 400MHz [0.00 dBm] STOP 500MHz

CH1 MARKER LIST

1:	455.000MHz	23.014 Ω	2.369 Ω	828.928pH
2:	460.000MHz	48.450 Ω	6.122 Ω	2.118nH
3:	465.000MHz	89.842 Ω	-21.250 Ω	16.106pF
4:				
5:				
6:				
7:				
8:				
9:				
10:				

FORMAT

LOG MAG

PHASE

DELAY

SMITH (R+jX)

SMITH (G+jB)

POLAR

LIN MAG

More 1/2