

Internal UHF Antenna

MODEL: IAP-465

Inside Glass Antenna



1. GENERAL DESCRIPTION

| Model No | P/N |
|----------|------------------|
| IAP-465 | IAP465-80mm-IPEX |

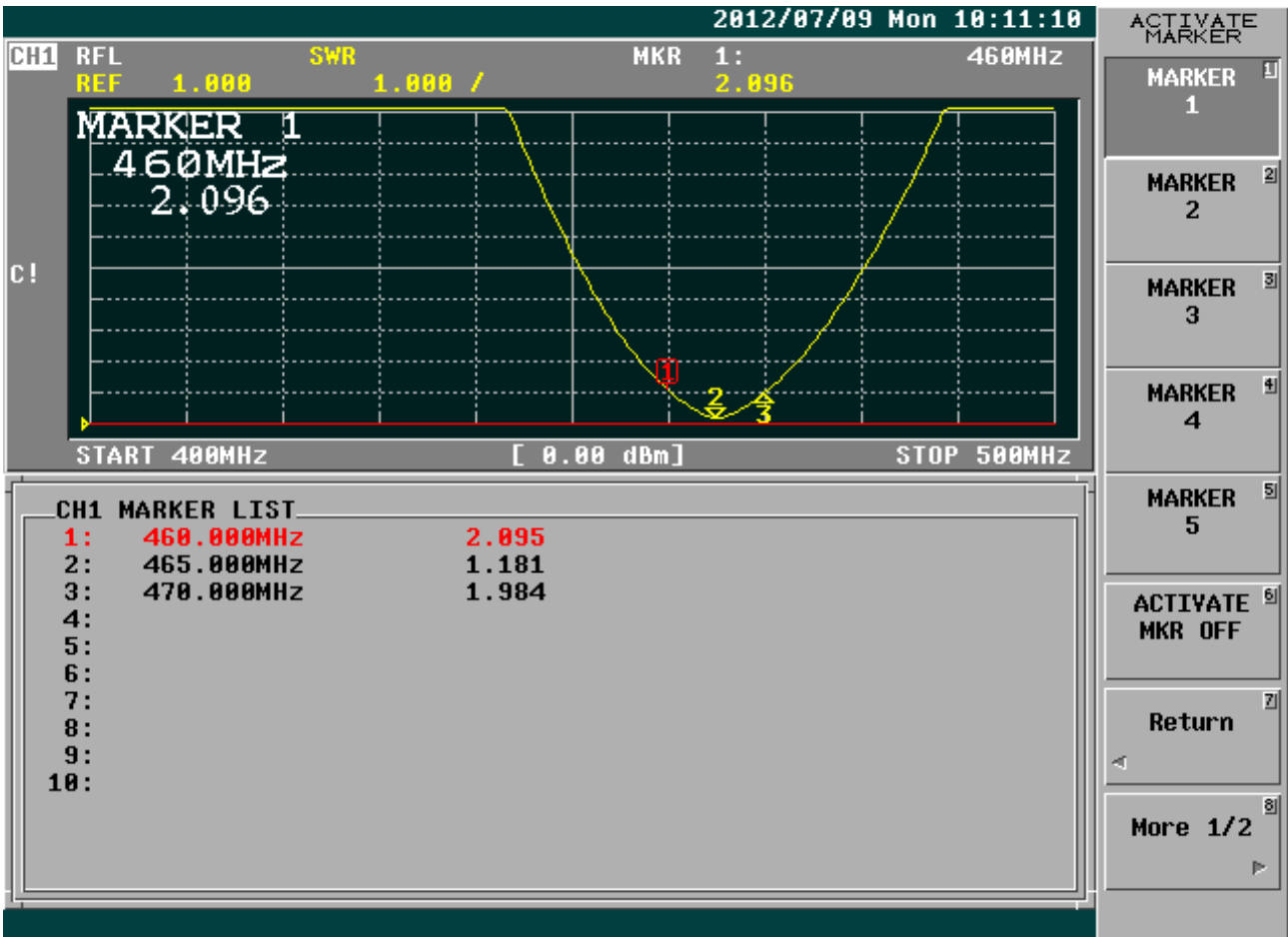
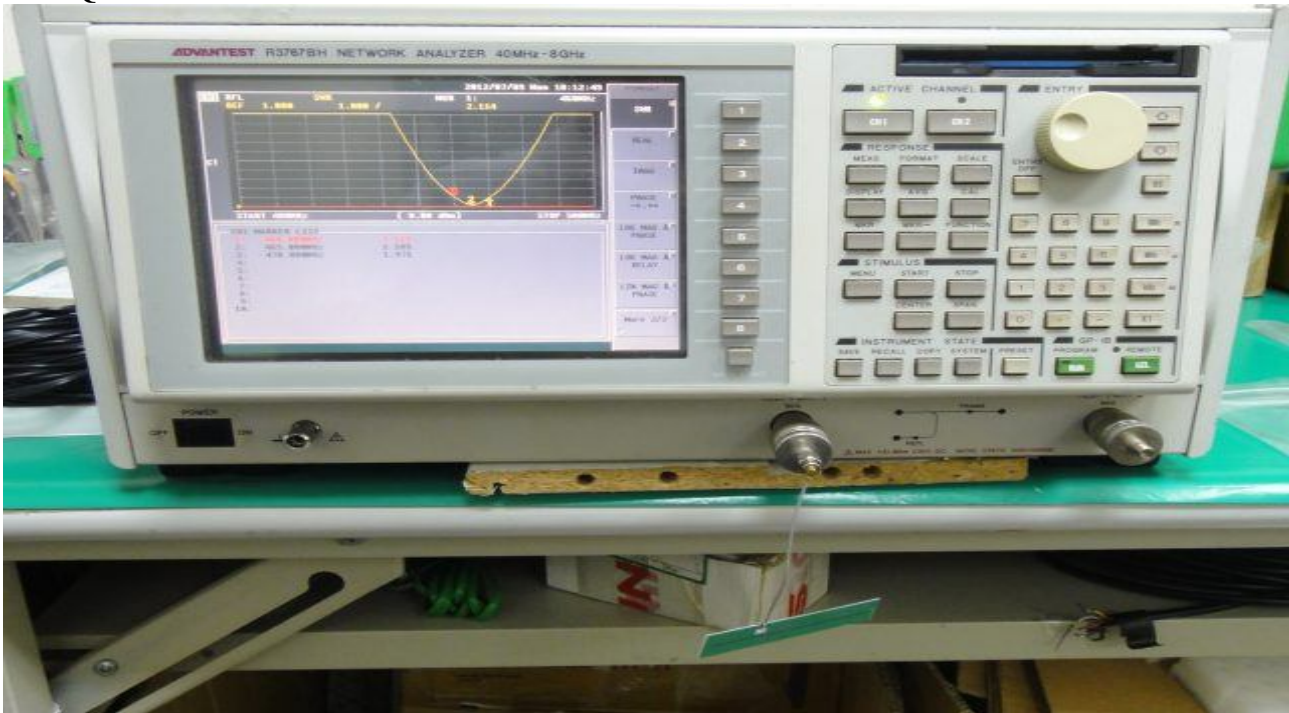
1.2 Electrical Properties

| Parameter | Description |
|------------------------------------|----------------------|
| Frequency Band | 460~470 Mhz (465Mhz) |
| 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 | |

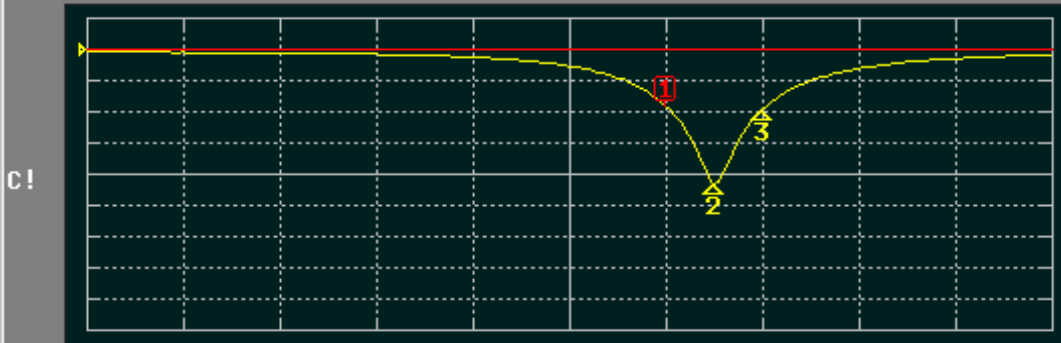
1.2 Mechanical Properties

| Parameter | Description |
|-----------------------------|-------------------------|
| Antenna Type | Inside Glass Antenna |
| Antenna Material | TPR |
| Connector Type | IPEX |
| Antenna Dimensions | 82.5mm 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 1: 460MHz
 REF 0.000 dB 5.000 dB/ -8.973 dB



START 400MHz [0.00 dBm] STOP 500MHz

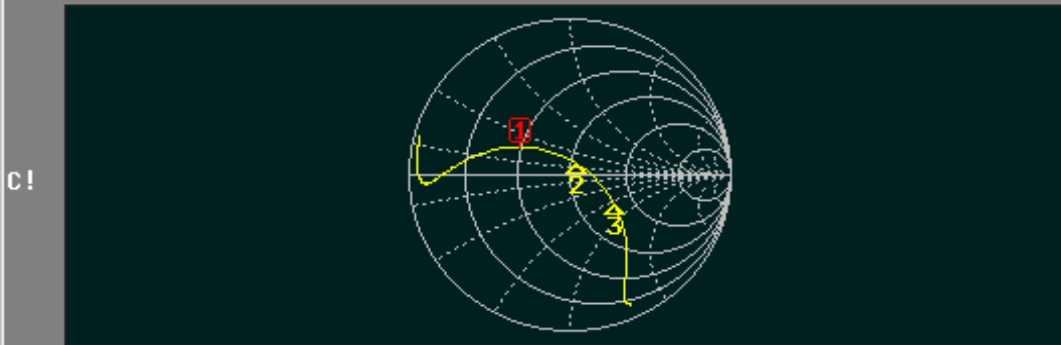
CH1 MARKER LIST

| | | |
|-----|------------|------------|
| 1: | 460.000MHz | -8.972 dB |
| 2: | 465.000MHz | -21.558 dB |
| 3: | 470.000MHz | -9.665 dB |
| 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

CH1 RFL SMITH(R+jX) MKR 1: 460MHz
 FS 1.000 25.863 Ω 10.180 Ω



START 400MHz [0.00 dBm] STOP 500MHz

CH1 MARKER LIST

| | | | | |
|-----|------------|----------|-----------|----------|
| 1: | 460.000MHz | 25.863 Ω | 10.180 Ω | 3.522nH |
| 2: | 465.000MHz | 52.914 Ω | 8.129 Ω | 2.782nH |
| 3: | 470.000MHz | 78.993 Ω | -32.711 Ω | 10.352pF |
| 4: | | | | |
| 5: | | | | |
| 6: | | | | |
| 7: | | | | |
| 8: | | | | |
| 9: | | | | |
| 10: | | | | |

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