

# ROTARY ATTENUATOR

## MVE2R81N-50

DC to 12.4GHz  
ROTARY, 0-69dB  
1dB&10dB/Step

### Feature

- ✓ Excellent Accuracy Value
- ✓ Full Attenuation Range: 69dB
- ✓ Low VSWR, unconditional stable
- ✓ N Male to Female connector I/O ( option: SMA )



### Specifications

PART NUMBER	IMPEDANCE	FREQUENCY	ATTENUATION STEP	INSERTION LOSS(MAX.)	VSWR (MAX.)	CONNECTOR
MVE2R81N-50	50 Ohm	DC – 12.4GHz	0-69 dB 1dB 、 10dB/step	1.5dB	1.6:1	N * (M-F)

\*Option Connector SMA(Female to Female)

### ATTENUATION ACCURACY

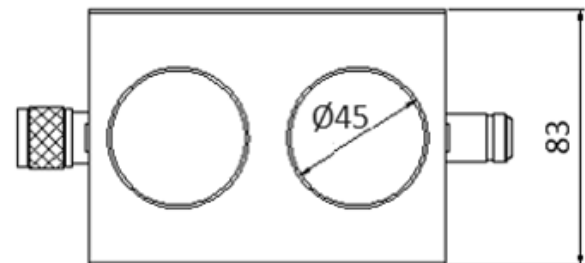
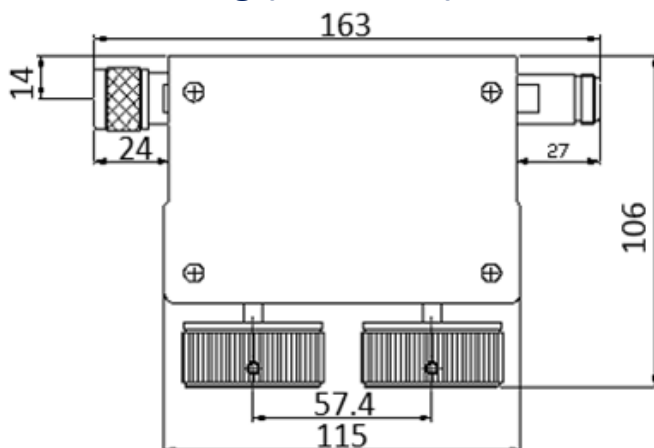
- 01-09dB:  $\pm 0.8$  dB
- 10-19dB:  $\pm 1.0$  dB
- 20-49dB:  $\pm 1.5$  dB
- 50-69dB:  $\pm 2.0$  dB

### MATERIALS

CONNECTOR: BRASS, NICKEL PLATED  
MALE PIN: BRASS, GOLD PLATED  
FEMALE PIN: BERYLLIUM COPPER, GOLD PLATED  
BODY: ALUMINUM, BLUE PAINT

Tolerance:  $\pm 5\%$

### Outline Drawing (Unit: mm)

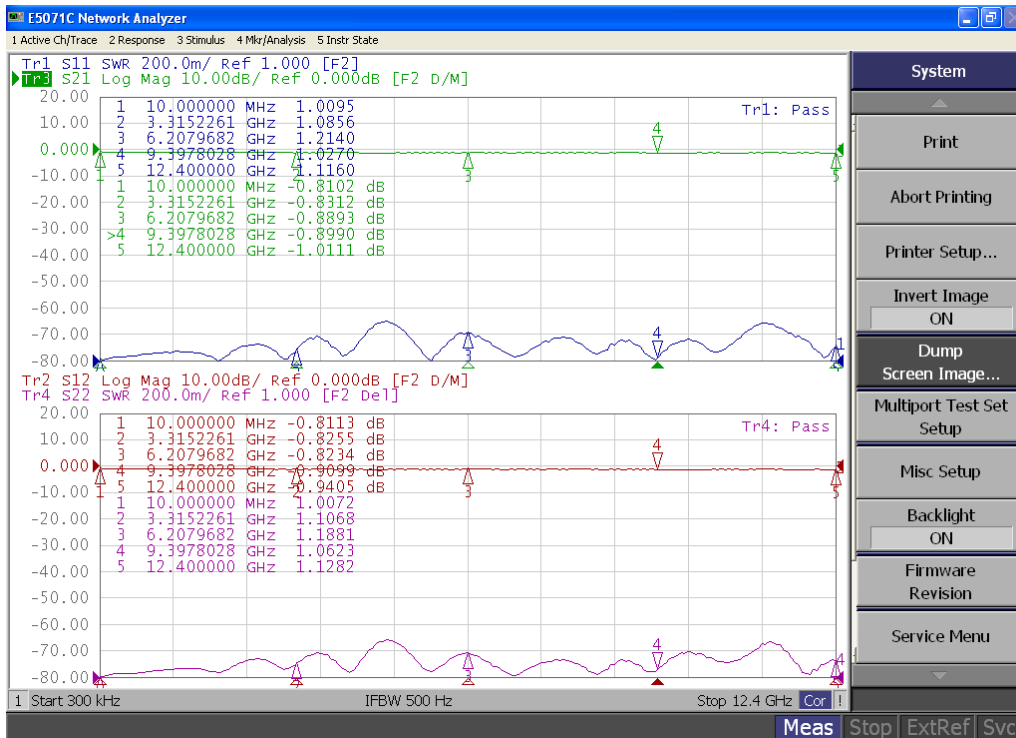


- NOTES:
1. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
  2. CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

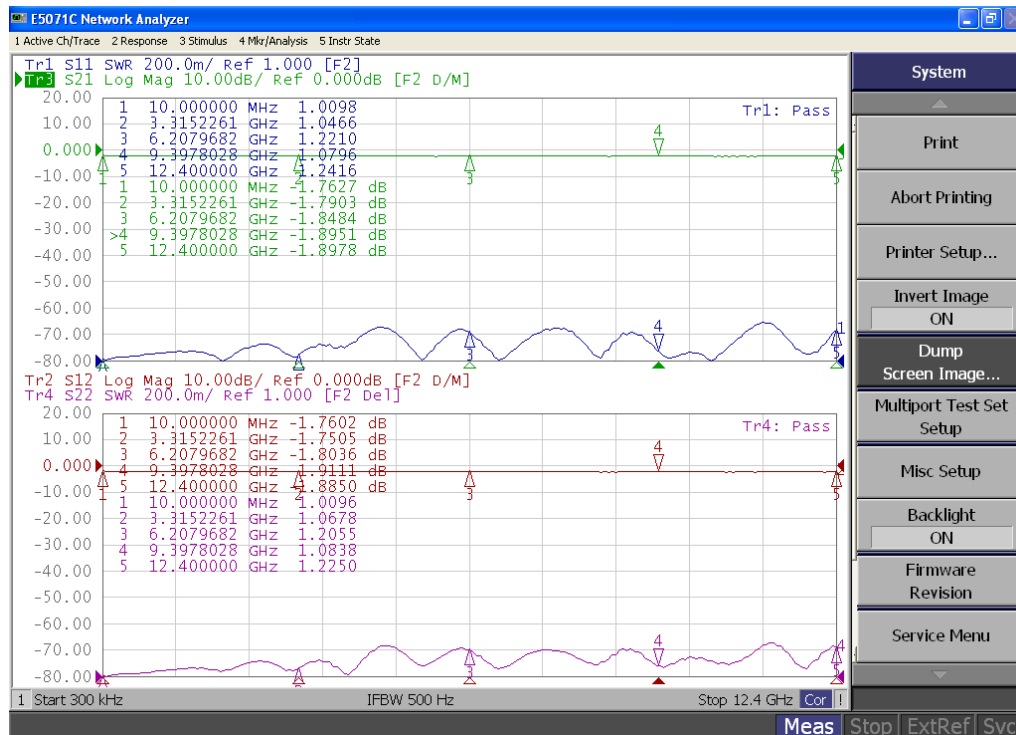


## Typical Test Report

### 1dB



### 2dB

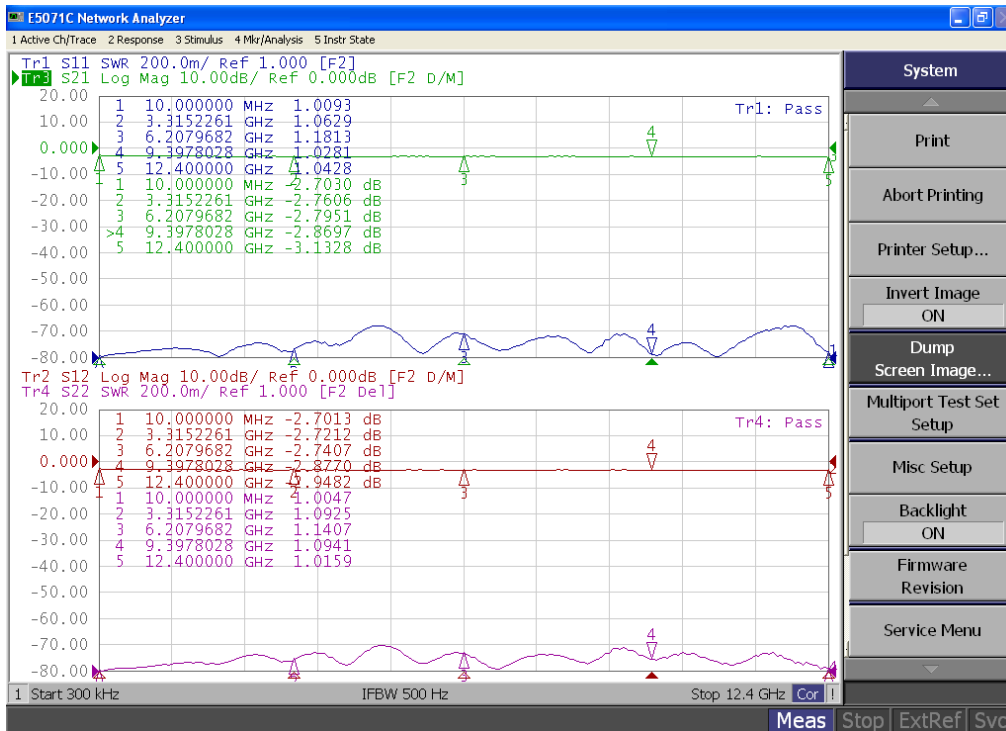


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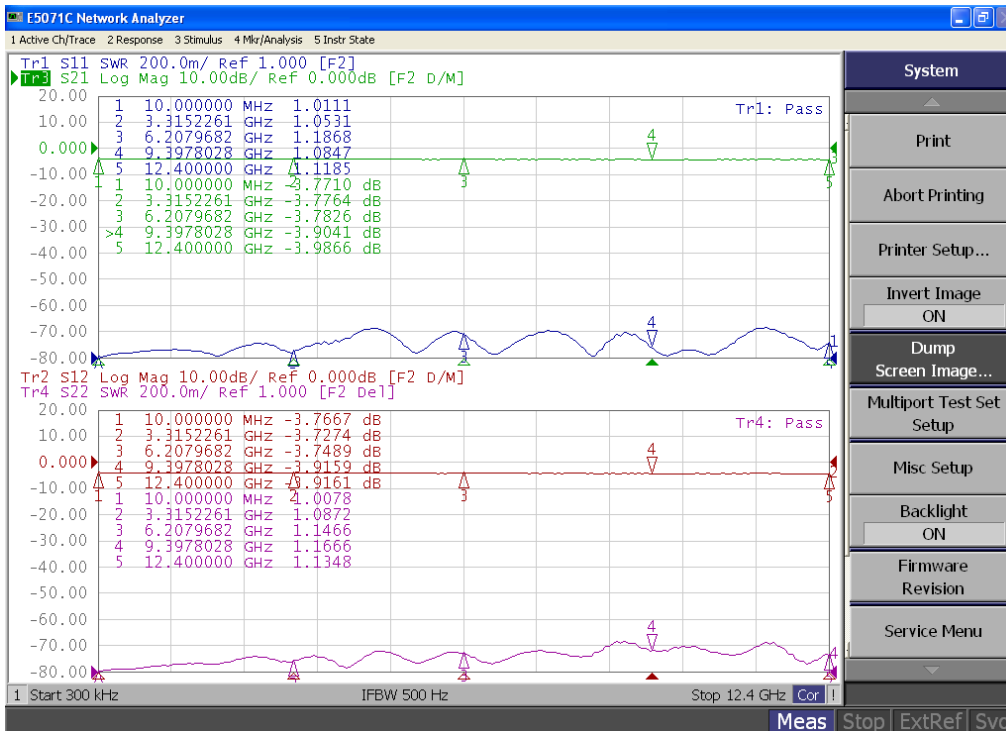


## Typical Test Report

### 3dB



### 4dB

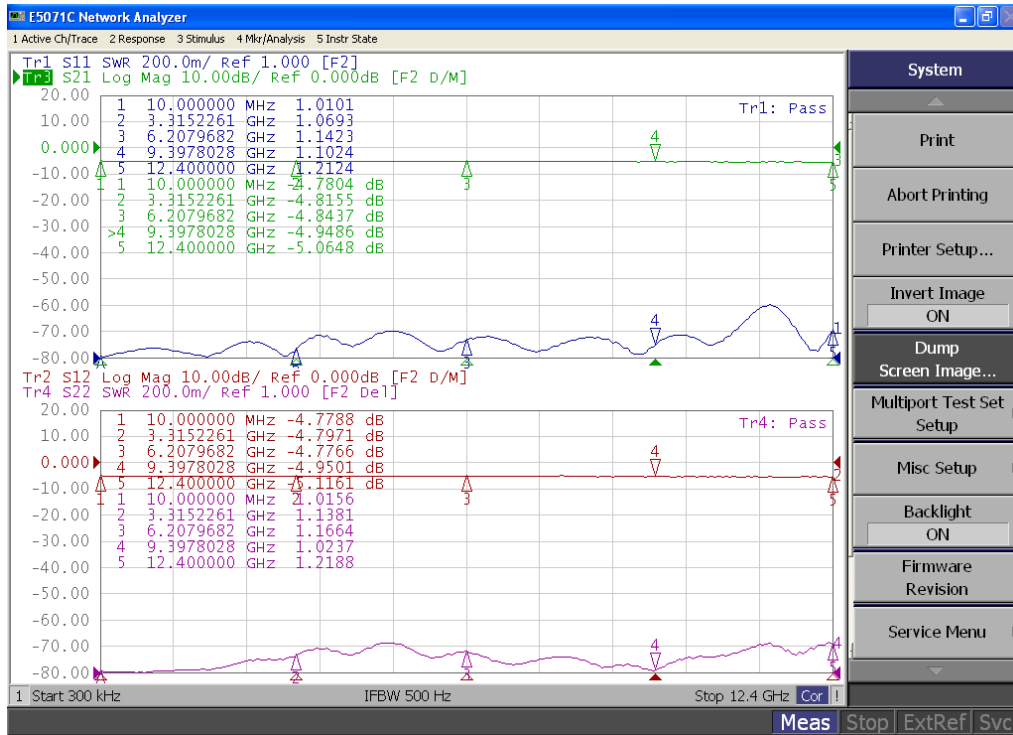


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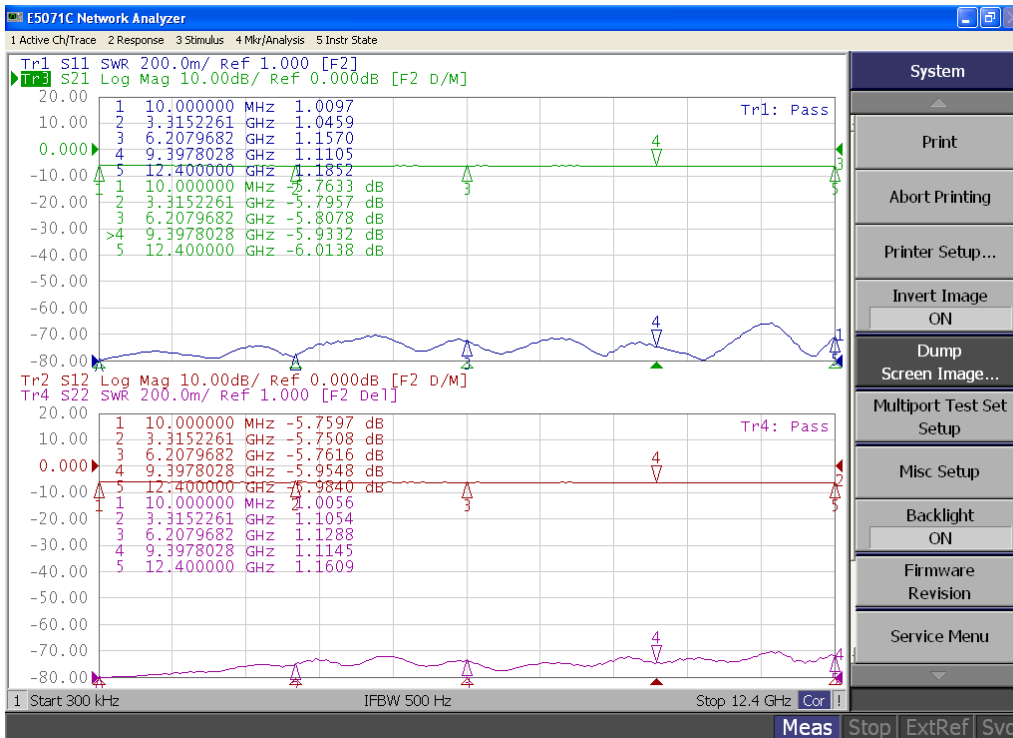


## Typical Test Report

### 5dB



### 6dB

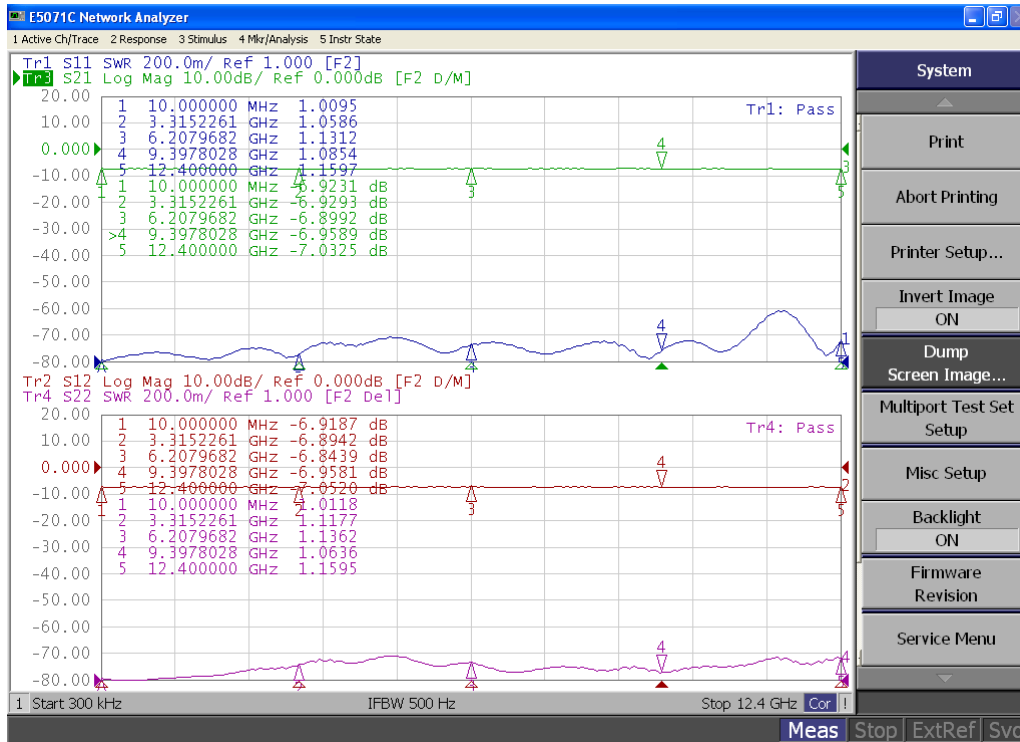


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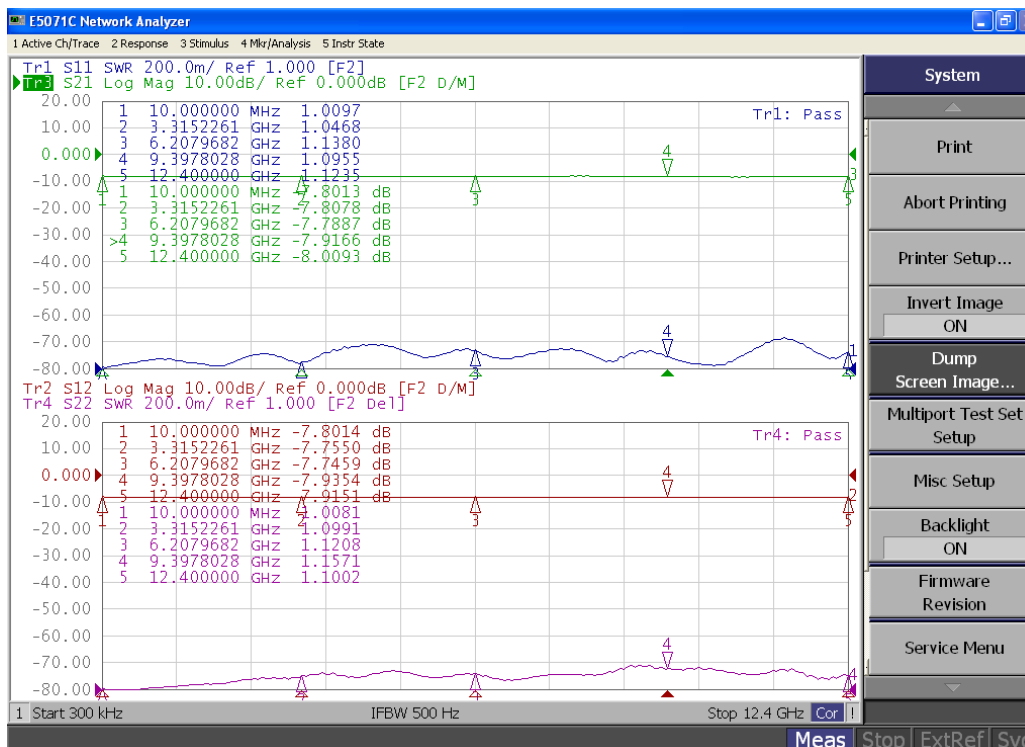


## Typical Test Report

### 7dB



### 8dB

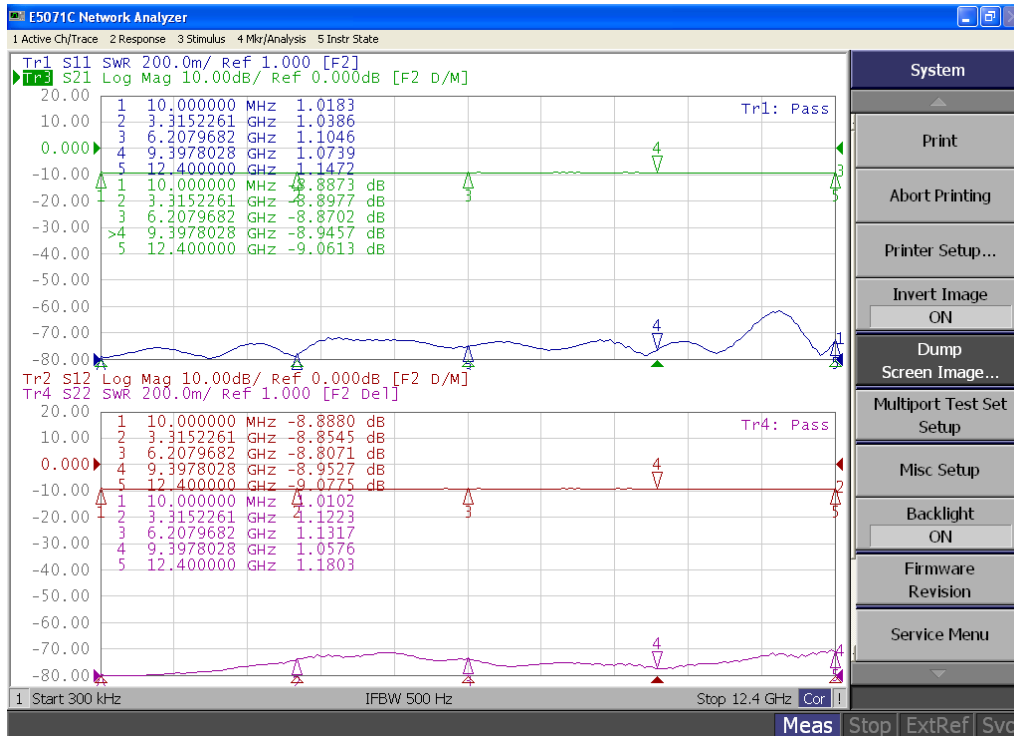


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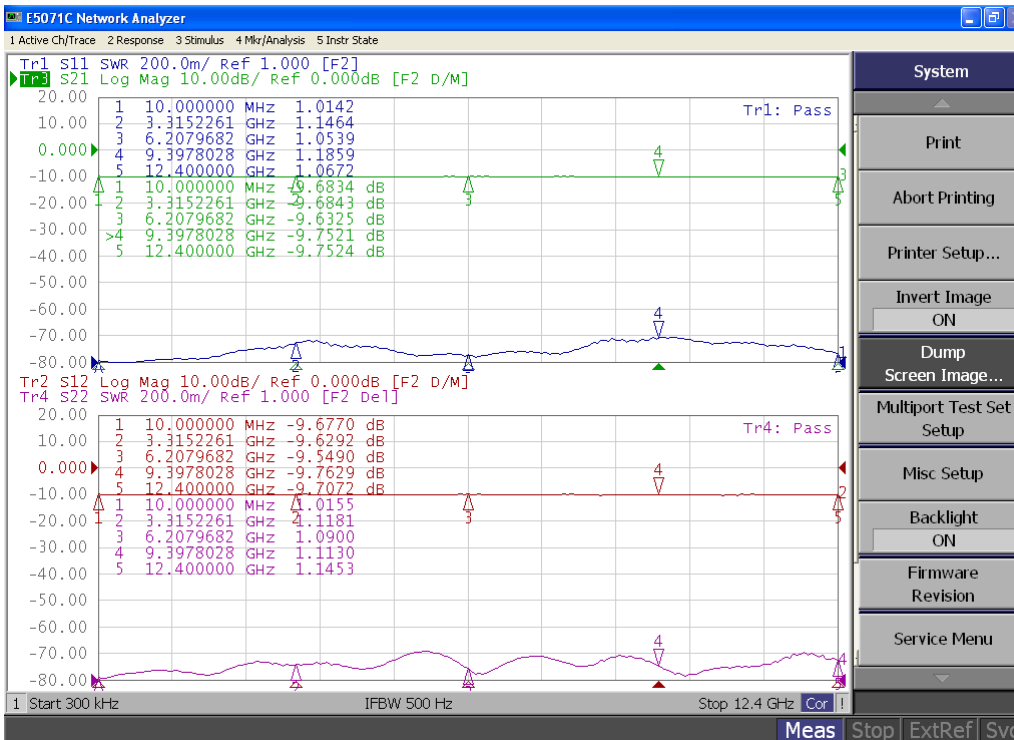


## Typical Test Report

### 9dB



### 10dB

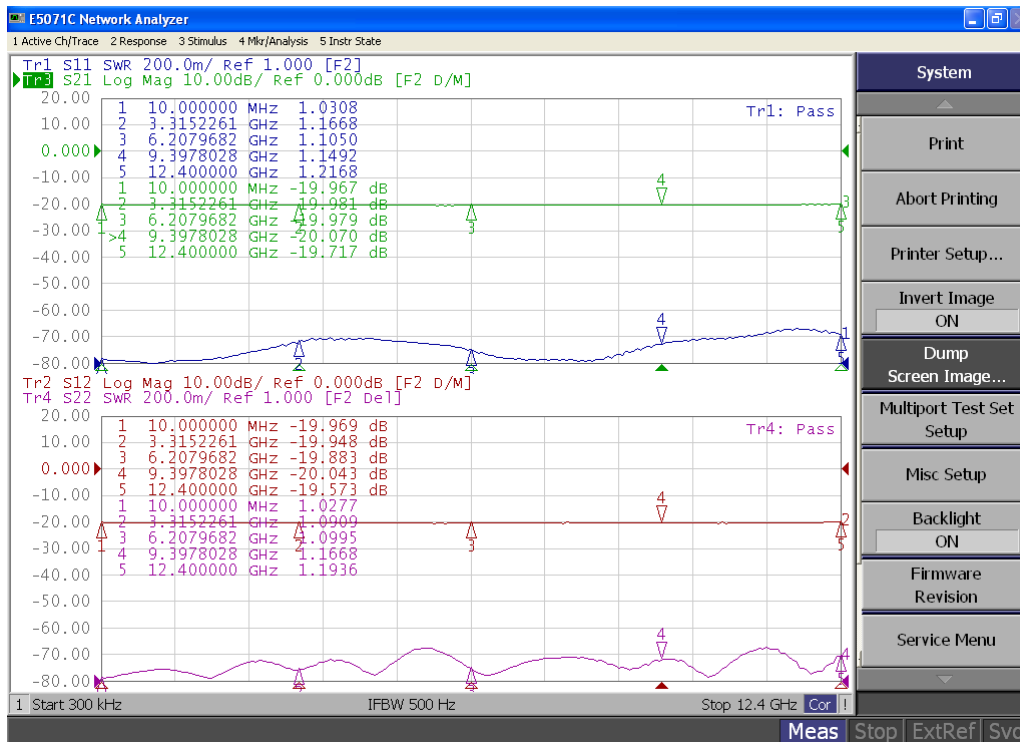


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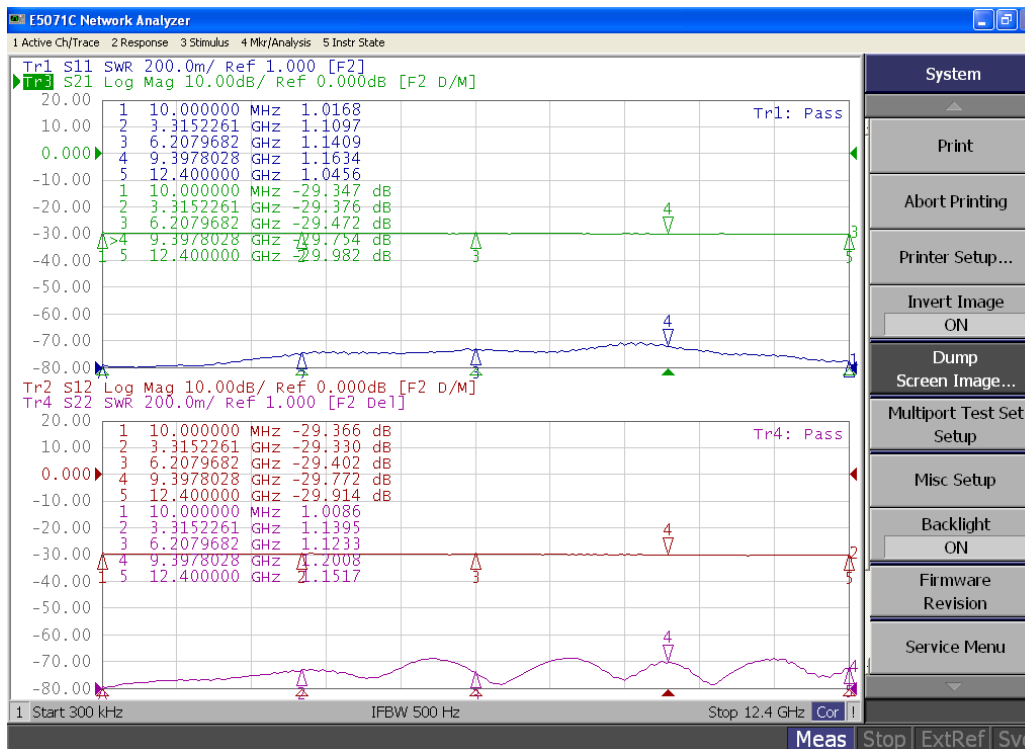


## Typical Test Report

### 20dB



### 30dB



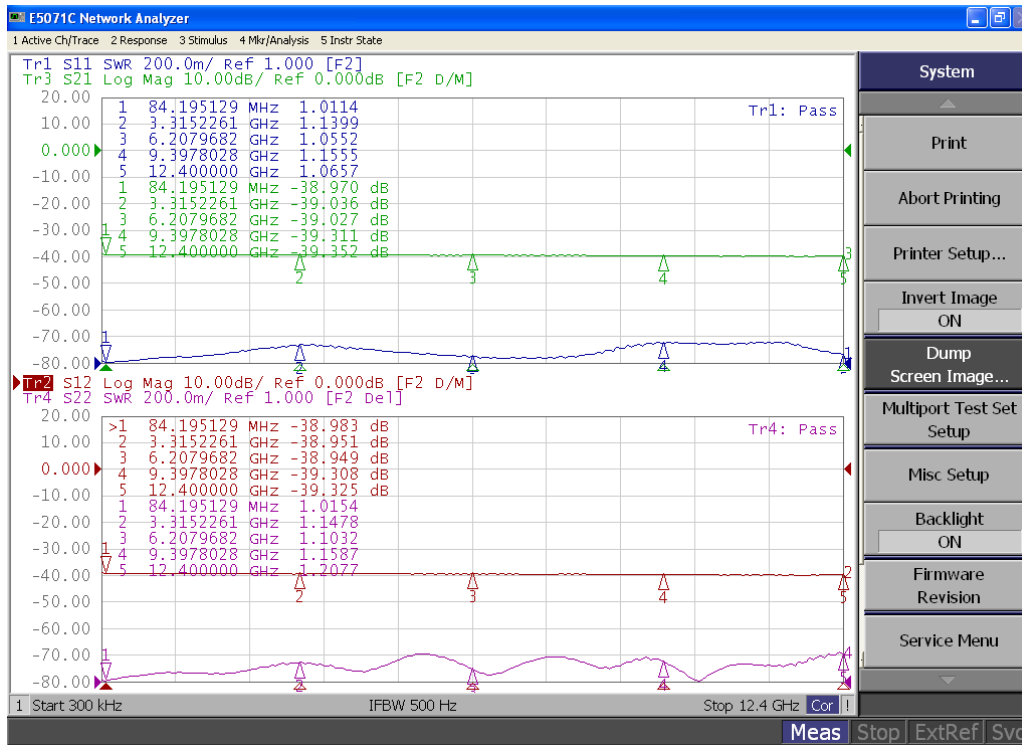
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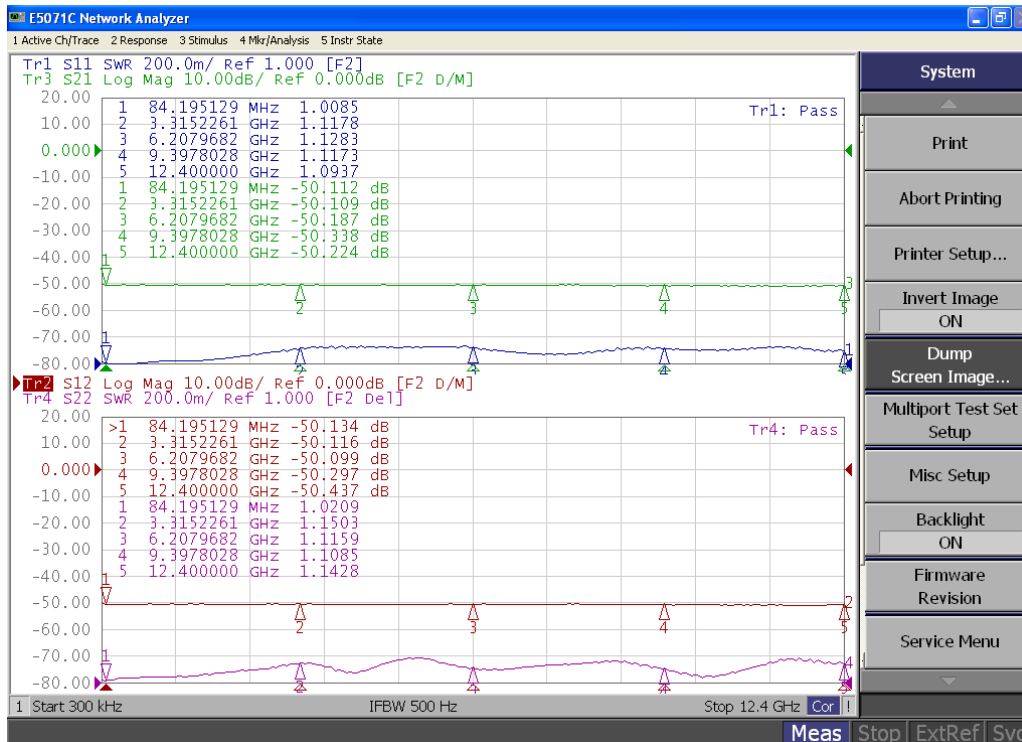


## Typical Test Report

### 40dB



### 50dB



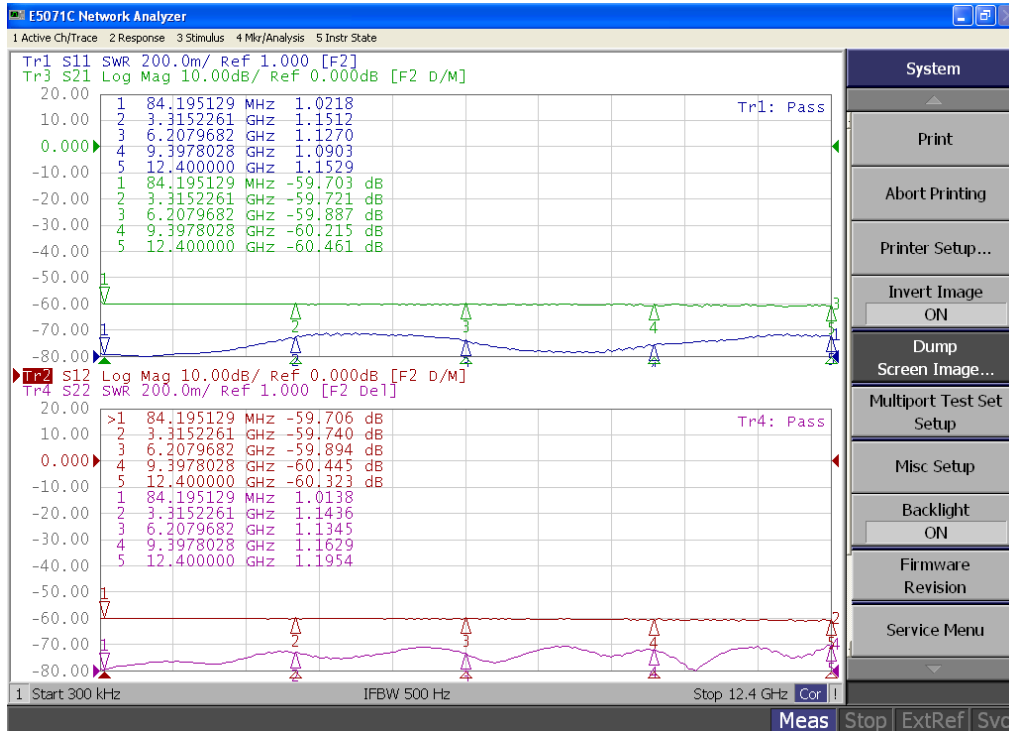
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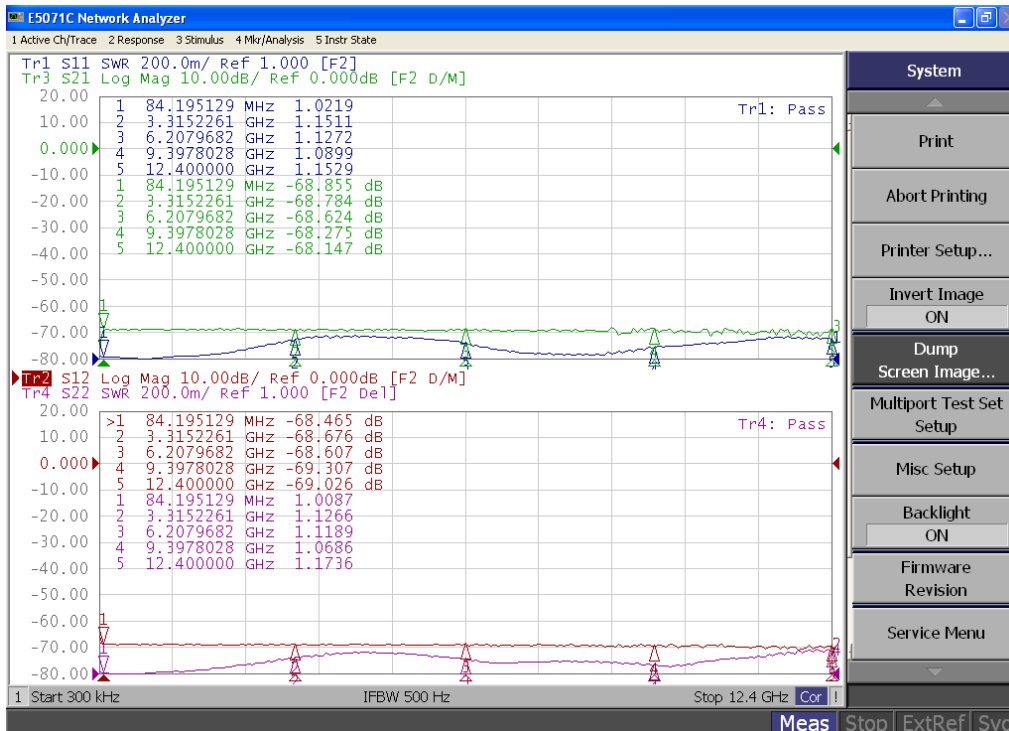


## Typical Test Report

### 60dB



### 69dB

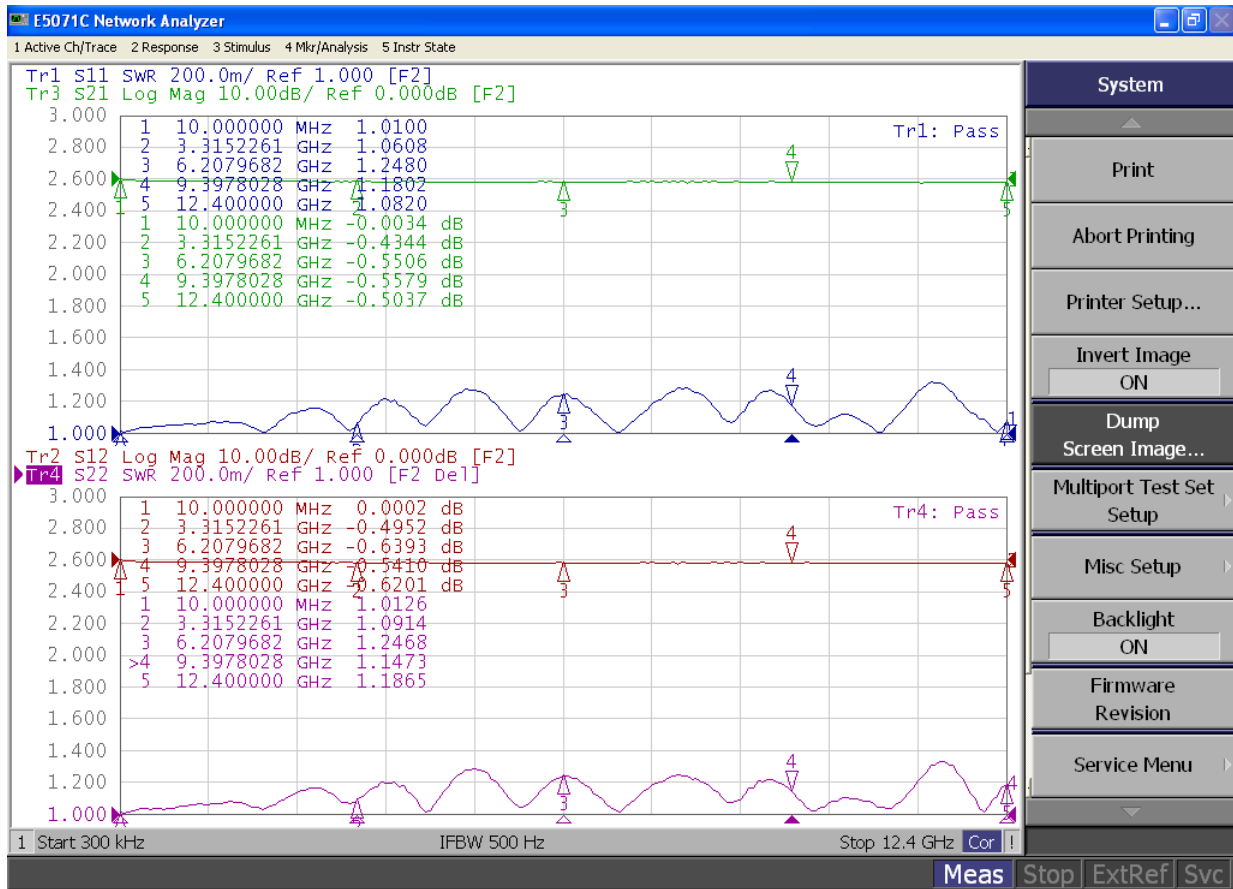


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## Typical Test Report

### Insertion Loss



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