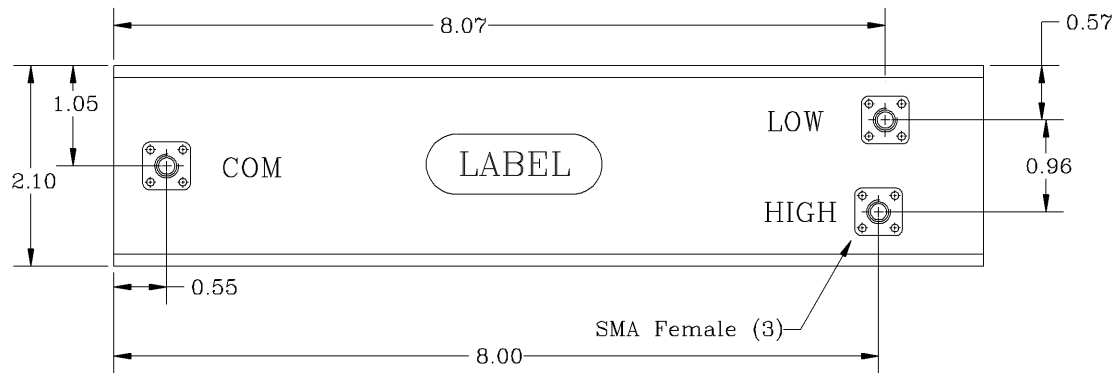
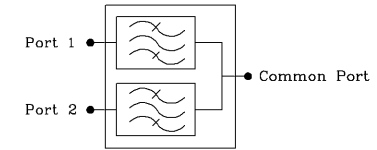
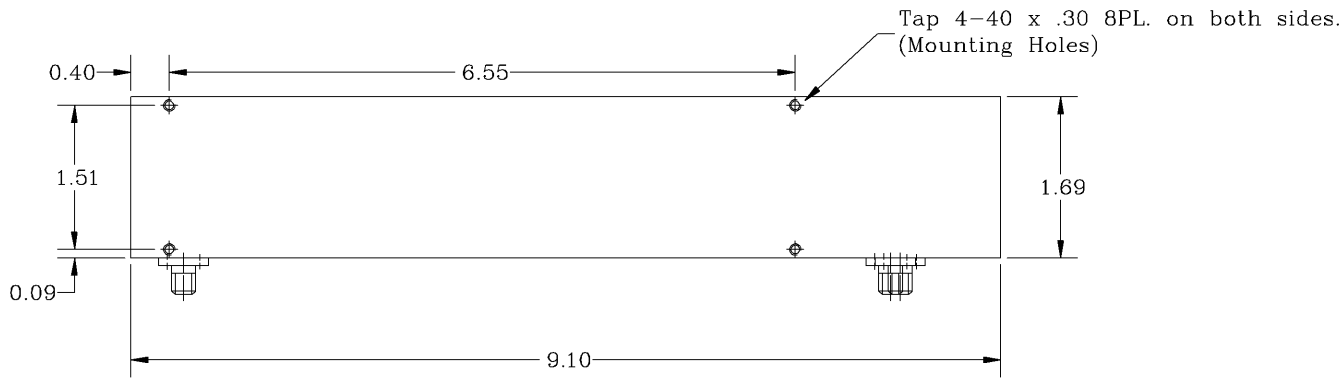


| REVISIONS | | | |
|-----------|--|------|----------|
| REV | | DATE | APPROVED |
| | | | |
| | | | |
| | | | |



Electrical Specifications

- *Low Pass Band Frequency Range [MHz] : 1710 to 1785
- *High Pass Band Frequency Range [MHz] : 1805 to 1880
- *Pass Band Insertion Loss [dB] : <0.8
- *Pass Band Ripple [dB] : <1.0 P-T-P
- *Insertion Loss @ 1785 & 1805 MHz [dB] : <1.4
- *Low Band Attenuation @
 - 800 to 1000 MHz [dB] : 80 (Min.)
- *High Band Attenuation @
 - 1720 & 1960 MHz [dB] : 70 (Min.)
- *Isolation between filters [dB] : 60 (Min.), 63 (Typ.)
- *Pass Band Return Loss [dB] : -17 (Max.), <1.33:1
- *Input/Output Impedance : 50 ohm
- *RF Power Capability CW TX Channel : 40 Watts
- *RF Power Capability CW RX Channel : 1 Watt
- *Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -20°C TO +50°C

PROPRIETARY DOCUMENT:
 THE CONTENTS OF THIS DOCUMENT WITH ALL INFORMATION AND PROCESSES ARE THE SOLE PROPERTY OF G-Way Microwave. THIS DOCUMENT MAY NOT BE DUPLICATED OR DISCLOSED TO ANY PARTY EXCEPT BY EXPRESSLY WRITTEN PERMISSION. THE ONLY AUTHORIZED USE OF THIS DOCUMENT BY A VENDOR IS FOR QUOTE PURPOSES AND SAID VENDOR AGREES NOT TO DISCLOSE ITS CONTENTS TO ANY THIRD PARTY. THIS DOCUMENT IS COPYRIGHTED 1998.

NOTES:

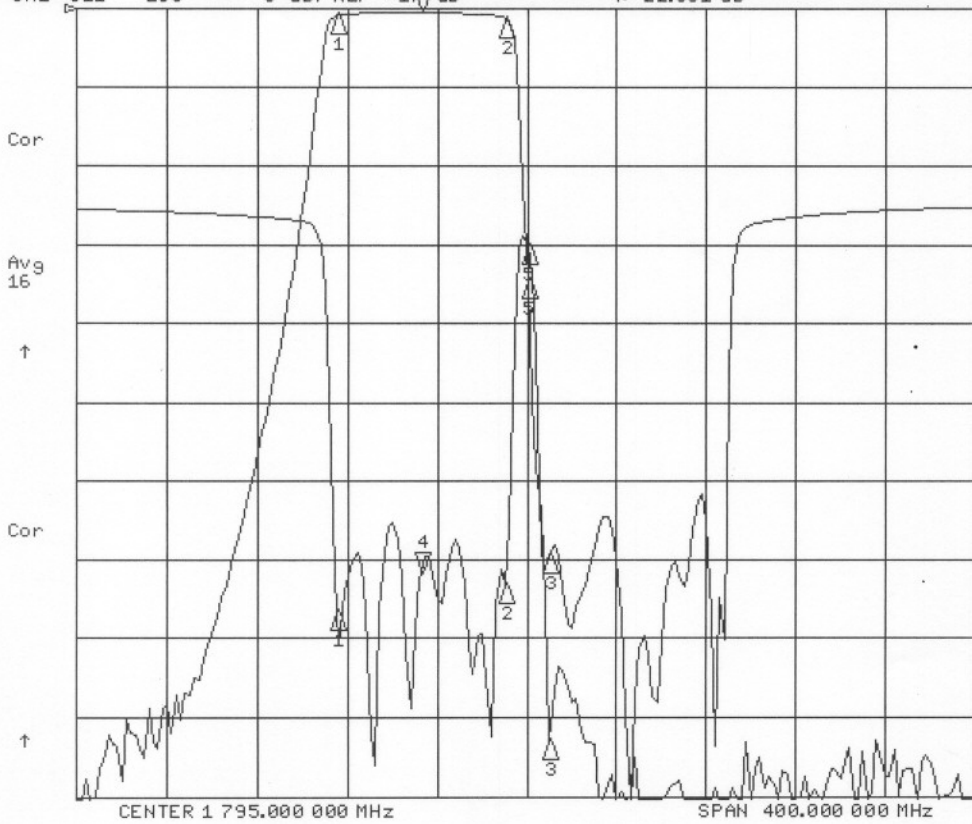
1. BREAK ALL CORNERS & EDGES.005/.010.
2. FINAL FINISH:
EPOXY GRAY - OPTIONAL

| | | | | | | | |
|--|-----------------------------------|-----------------|-------|------------------------|-----------|------------------|--------------|
| DIMENSIONS ARE IN INCHES TOLERANCES ARE | | CONTRACT NO: | | G-Way Microwave | | | |
| ANGLES | DECIMALS | APPROVALS | DATE | | | | |
| ± 1° | X ± .05 XX ± .01 XXX ± .003 | DRAWN Sivak | 05/06 | DCS Full Band Diplexer | | REV. | |
| TREATMENT | | CHECKED | | SIZE | CAGE CODE | DWG NO: | 0 |
| FINISH | 63/ | ENG. | | A | 3K1H4 | CD1795/75MK-F4-1 | |
| MATERIAL | | DESIGN ACTIVITY | | SCALE | None | | SHEET 1 OF 1 |

CD1795/75MK-F4
(NETLINE)

16 May 2006 15:44:26

CH1 S21 LOG 10 dB/REF 0 dB 4:-.53270 dB 1 747.500 000 MHz
 CH2 S11 LOG 5 dB/REF -17 dB 4:-22.851 dB

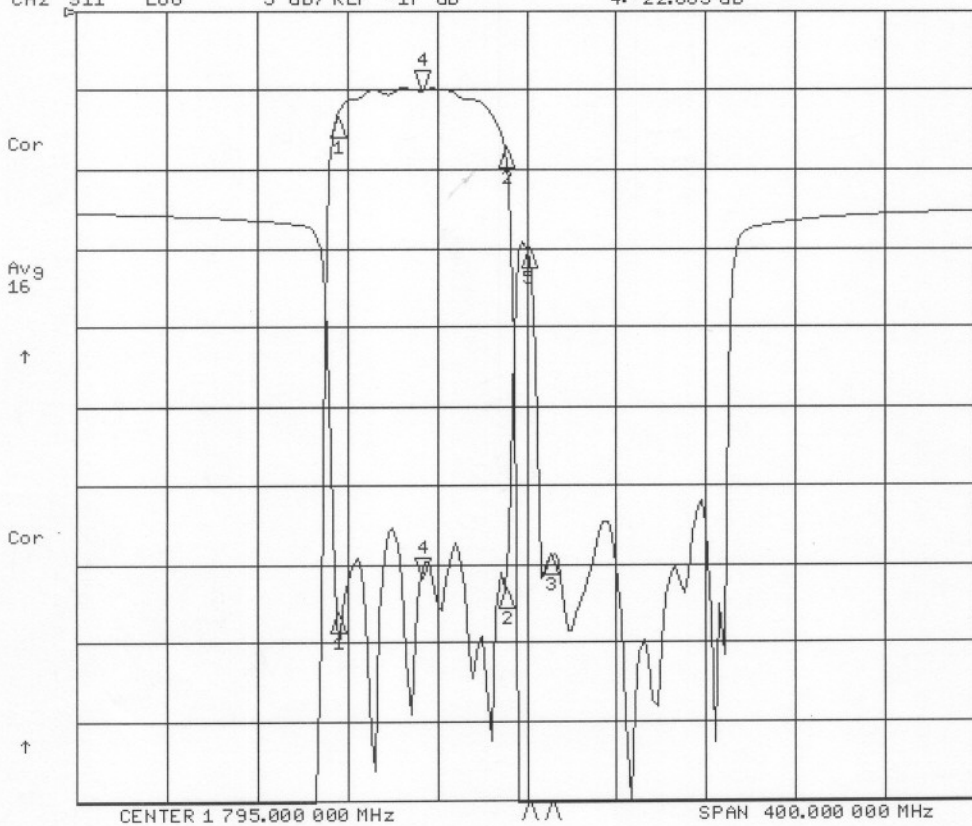


- CH1 Markers
- 1:-.86490 dB
1.71000 GHz
 - 2:-1.2512 dB
1.78500 GHz
 - 3:-92.892 dB
1.80500 GHz
 - 5:-34.391 dB
1.79500 GHz

- CH2 Markers
- 1:-25.283 dB
1.71000 GHz
 - 2:-23.647 dB
1.78500 GHz
 - 3:-21.703 dB
1.80500 GHz
 - 5:-2.0511 dB
1.79500 GHz

16 May 2006 15:44:36

CH1 S21 LOG 1 dB/REF .472 dB 4:-.53320 dB 1 747.500 000 MHz
 CH2 S11 LOG 5 dB/REF -17 dB 4:-22.865 dB

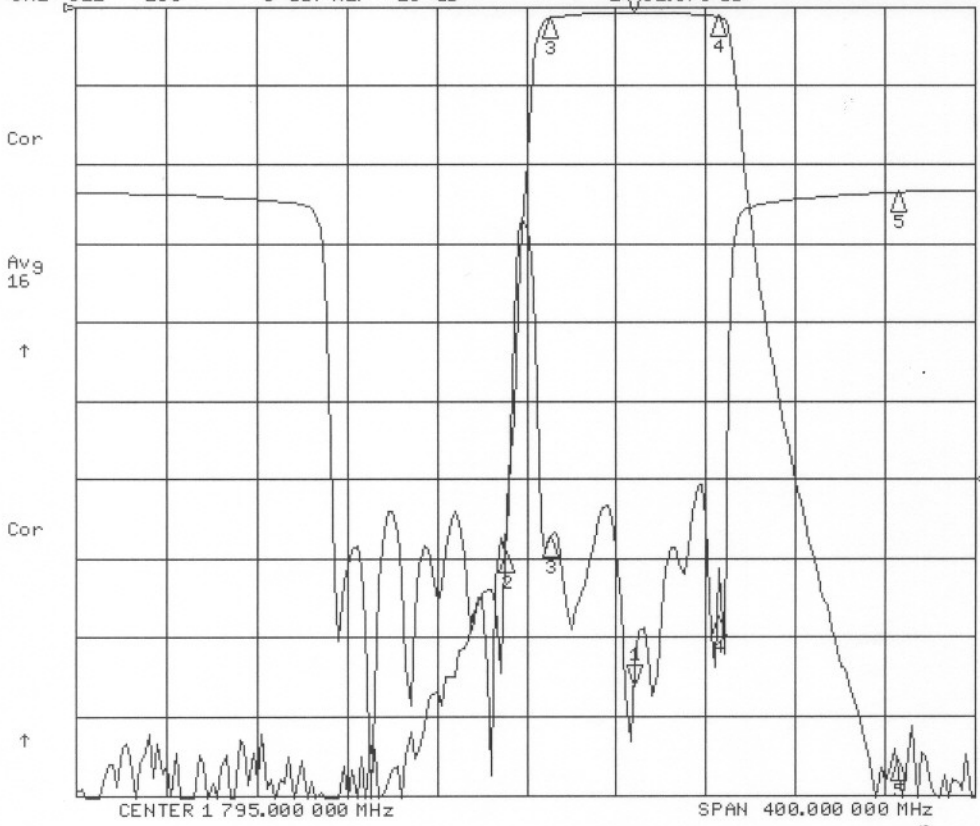


- CH1 Markers
- 1:-.86960 dB
1.71000 GHz
 - 2:-1.2689 dB
1.78500 GHz
 - 3:-95.440 dB
1.80500 GHz
 - 5:-34.428 dB
1.79500 GHz

- CH2 Markers
- 1:-25.121 dB
1.71000 GHz
 - 2:-23.618 dB
1.78500 GHz
 - 3:-21.439 dB
1.80500 GHz
 - 5:-2.1094 dB
1.79500 GHz

16 May 2006 15:46:05

CH1 S21 LOG 10 dB/REF 0 dB 1:-71.380 dB 1 842.500 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 1:-31.079 dB



CH1 Markers

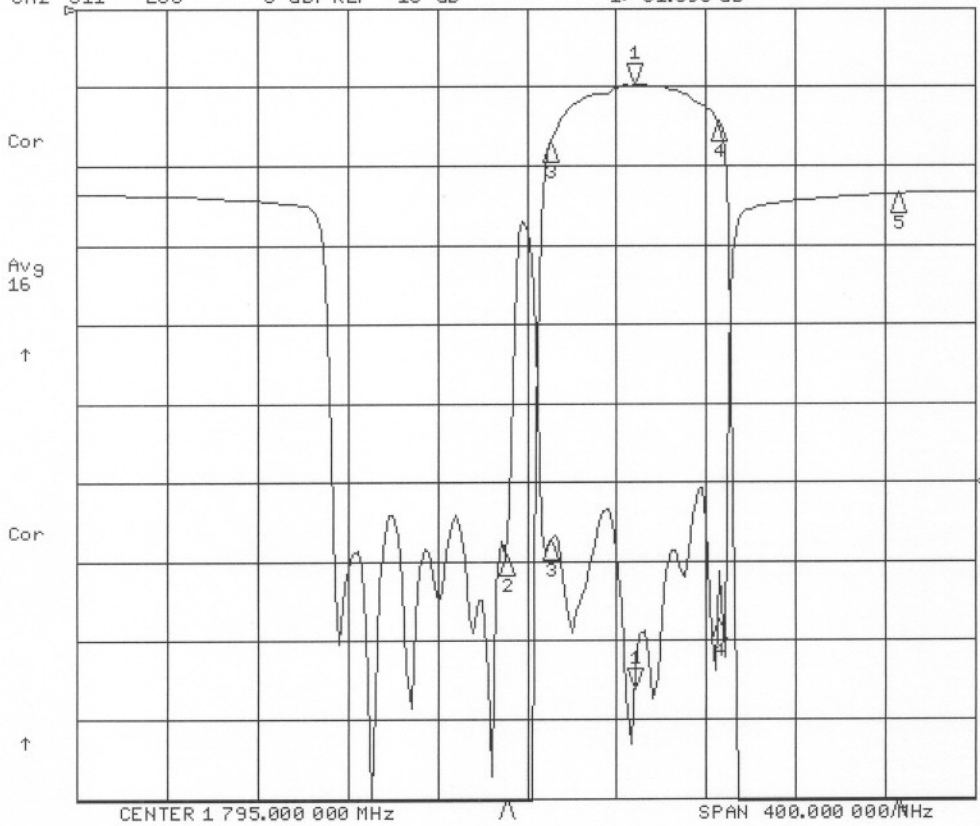
- 2:-69.286 dB
1.78500 GHz
- 3:-1.4738 dB
1.80500 GHz
- 4:-1.1862 dB
1.88000 GHz
- 5:-95.761 dB
1.96000 GHz

CH2 Markers

- 2:-22.657 dB
1.78500 GHz
- 3:-21.702 dB
1.80500 GHz
- 4:-26.744 dB
1.88000 GHz
- 5:-.21580 dB
1.96000 GHz

16 May 2006 15:46:24

CH1 S21 LOG 1 dB/REF .261 dB 1:-.71420 dB 1 842.500 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 1:-31.090 dB



CH1 Markers

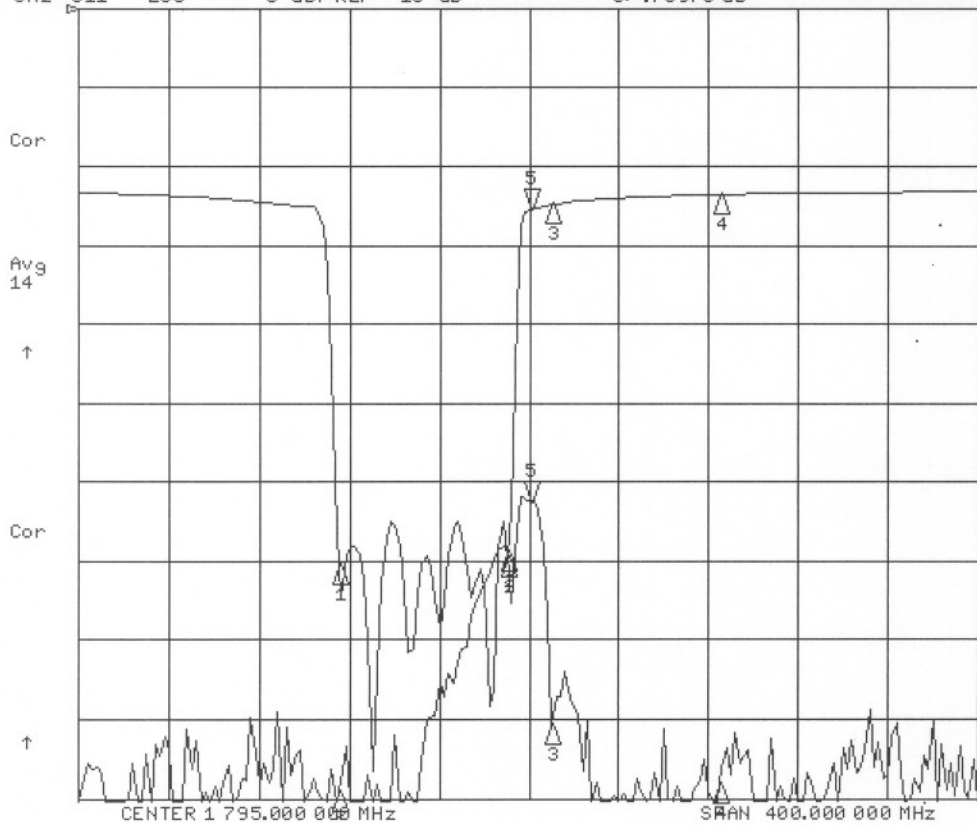
- 2:-69.674 dB
1.78500 GHz
- 3:-1.4638 dB
1.80500 GHz
- 4:-1.1889 dB
1.88000 GHz
- 5:-98.533 dB
1.96000 GHz

CH2 Markers

- 2:-22.647 dB
1.78500 GHz
- 3:-21.718 dB
1.80500 GHz
- 4:-26.746 dB
1.88000 GHz
- 5:-.21880 dB
1.96000 GHz

16 May 2006 15:46:57

CH1 S21 LOG 10 dB/REF 0 dB 5:-62.521 dB 1 795.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-.75970 dB



CH1 Markers

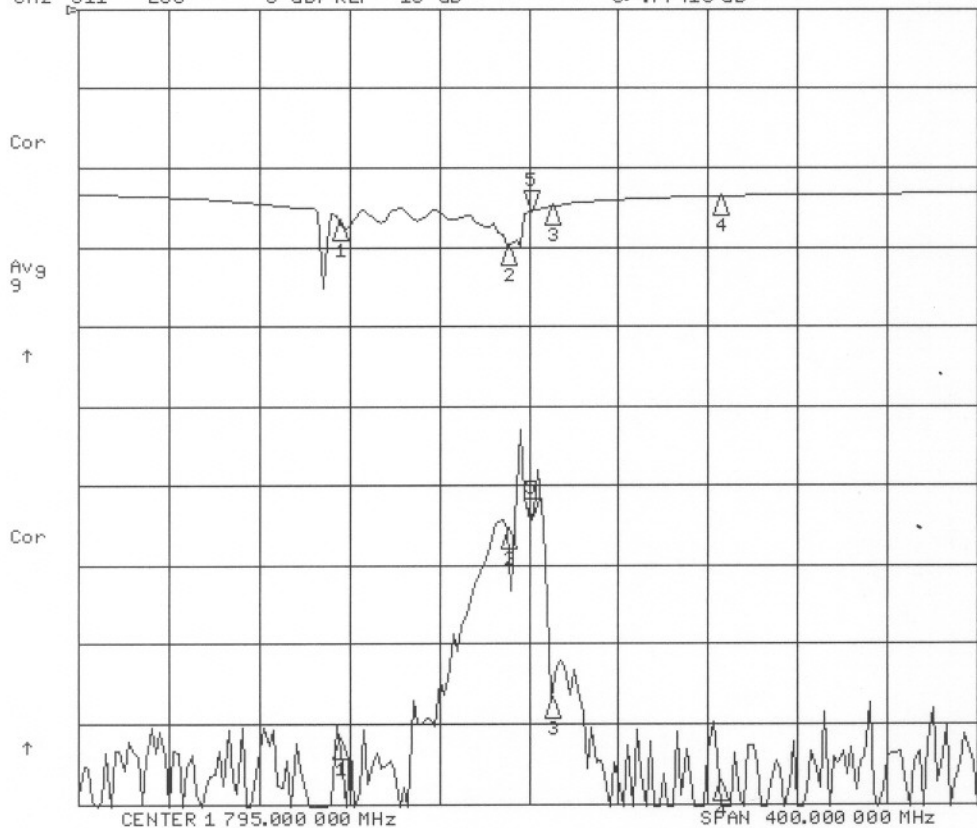
- 1:-99.317 dB
1.71000 GHz
- 2:-68.790 dB
1.78500 GHz
- 3:-90.747 dB
1.80500 GHz
- 4:-102.12 dB
1.88000 GHz

CH2 Markers

- 1:-23.245 dB
1.71000 GHz
- 2:-22.812 dB
1.78500 GHz
- 3:-.43250 dB
1.80500 GHz
- 4: .21170 dB
1.88000 GHz

16 May 2006 15:47:02

CH1 S21 LOG 10 dB/REF 0 dB 5:-64.151 dB 1 795.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-.77410 dB



CH1 Markers

- 1:-91.833 dB
1.71000 GHz
- 2:-65.612 dB
1.78500 GHz
- 3:-86.840 dB
1.80500 GHz
- 4:-97.483 dB
1.88000 GHz

CH2 Markers

- 1:-1.3095 dB
1.71000 GHz
- 2:-2.9413 dB
1.78500 GHz
- 3:-.43380 dB
1.80500 GHz
- 4: .21280 dB
1.88000 GHz