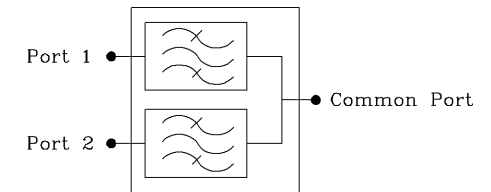
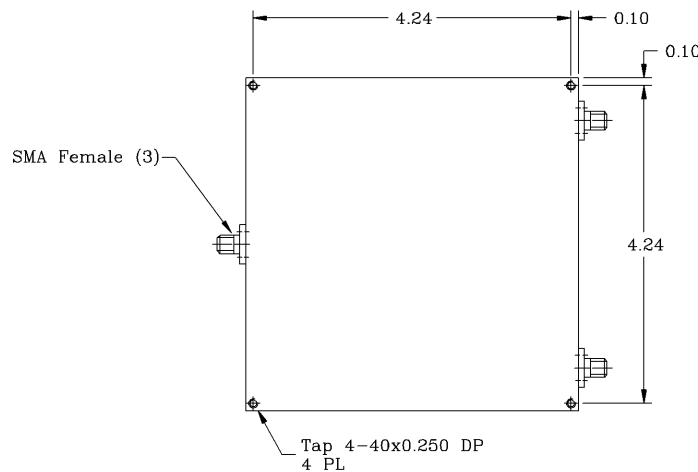
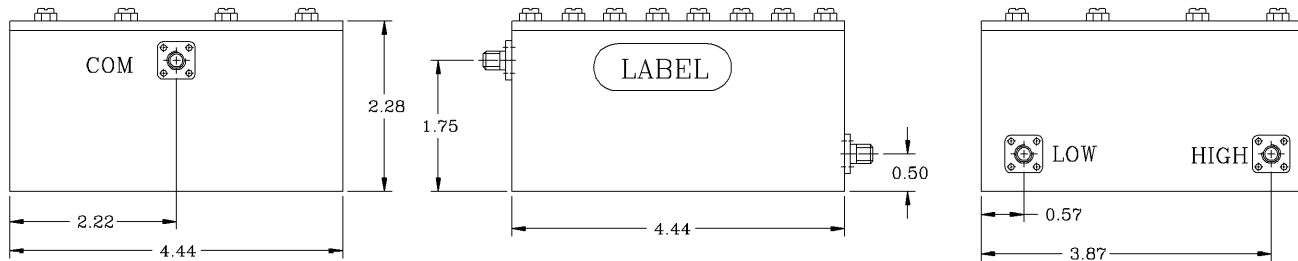


| REVISIONS |  |      |          |
|-----------|--|------|----------|
| REV       |  | DATE | APPROVED |
|           |  |      |          |
|           |  |      |          |
|           |  |      |          |



### Electrical Specifications

- \*Low Pass Band Range [MHz] : 710 to 716
- \*High Pass Band Range [MHz] : 740 to 746
- \*Pass Band Insertion Loss @ Fo [dB] : <2.2, 2.1 (Typ.)
- \*Pass Band Ripple [dB] : < 0.5 P-T-P
- \*Low Band Rejection @ 740 to 746 MHz [dB] : 98 (Min.), 100 (Typ.)  
@ 706 & 720 MHz [dB] : 30 (Min.), 35 (Typ.)
- \*High Band Rejection @ 710 to 716 MHz [dB] : 98 (Min.), 100 (Typ.)  
@ 736 & 750 MHz [dB] : 30 (Min.), 35 (Typ.)
- \*Isolation between Filters [dB] : 98 (Min.), 100 (Typ.)
- \*Pass Band Return Loss [dB] : -18 (Max.), <1.28:1
- \*Input/Output Impedance : 50 ohm
- \*RF Power Capability CW : 20 Watts
- \*Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -30°C TO +75°C

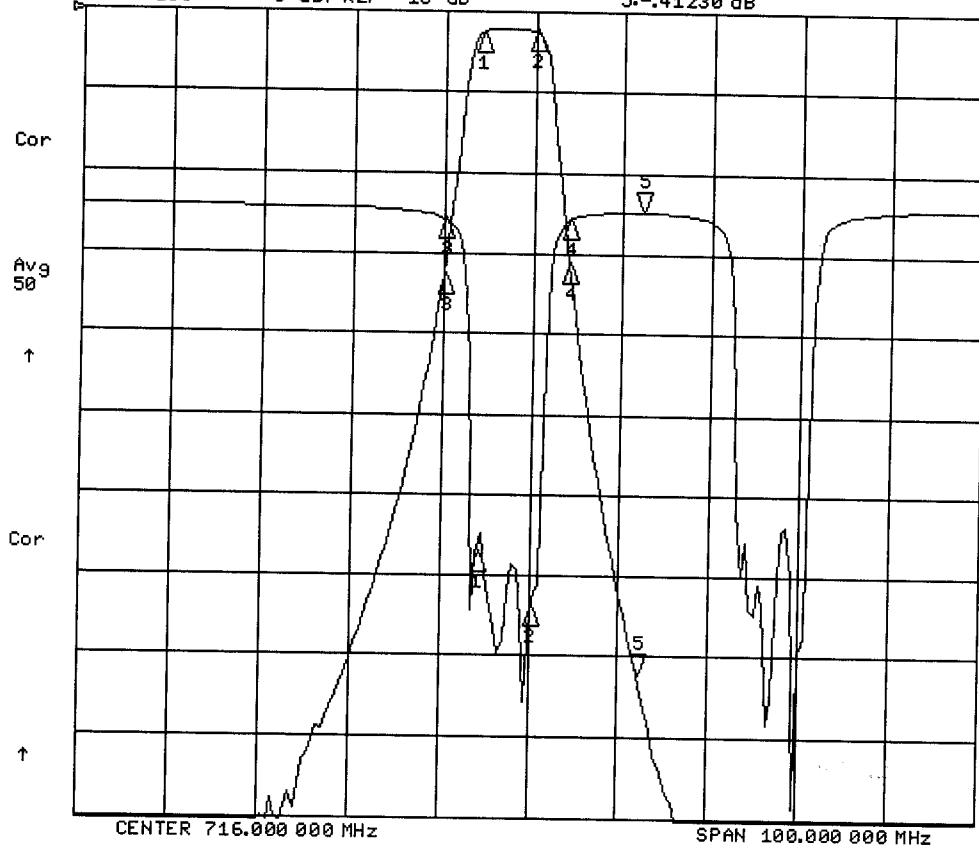
#### NOTES:

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

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.

|  |  |                   |      |   |                 |
|--|--|-------------------|------|---|-----------------|
| DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE:<br>ANGLES DECIMALS<br>± 1° X ± .05<br>XX ± .01<br>XXX ± .003 |  | CONTRACT NO:      |      | <b>G-Way Microwave</b>                      |                 |
| TREATMENT  |  | APPROVALS         | DATE |   |                 |
| FINISH 63/   |  | DRAWN Segal 03/11 |      | LTE LC-Band Diplexer<br>CD728/LTE-LC/6SK-B1 |                 |
| MATERIAL   |  | CHECKED           | ENG. | SIZE A                                      | CAGE CODE 3K1H4 |
|  |  | DESIGN ACTIVITY   |      | DWG NO: CD728/LTE-LC/6SK-B1                 | REV. 0          |
|  |  |                   |      | SCALE None                                  | SHEET 1 OF 1    |

11 Mar 2011 10:52:06  
 CH1 S21 LOG 10 dB/REF 0 dB S:-82.397 dB 728.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB S:-41.230 dB



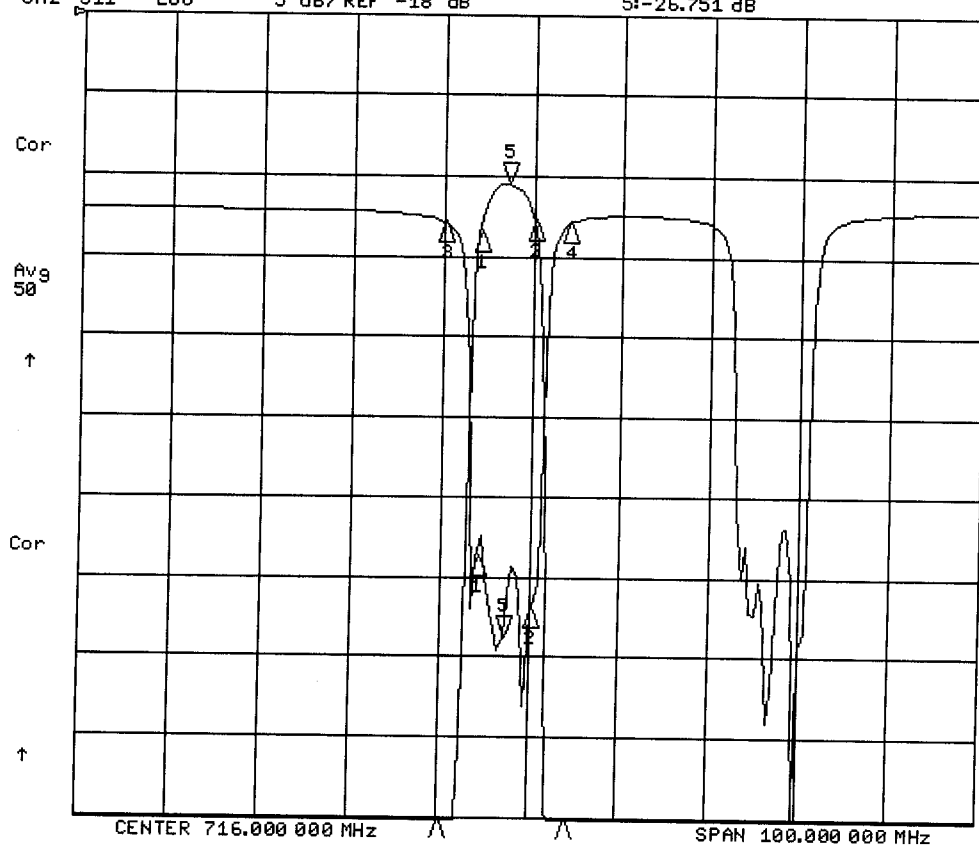
CH1 Markers

- 1:-2.7050 dB  
710.000 MHz
- 2:-2.5446 dB  
716.000 MHz
- 3:-32.796 dB  
706.000 MHz
- 4:-31.389 dB  
720.000 MHz

CH2 Markers

- 1:-21.569 dB  
710.000 MHz
- 2:-24.961 dB  
716.000 MHz
- 3:-83690 dB  
706.000 MHz
- 4:-91660 dB  
720.000 MHz

11 Mar 2011 10:52:16  
 CH1 S21 LOG 1 dB/REF 0 dB S:-2.1087 dB 713.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB S:-26.751 dB



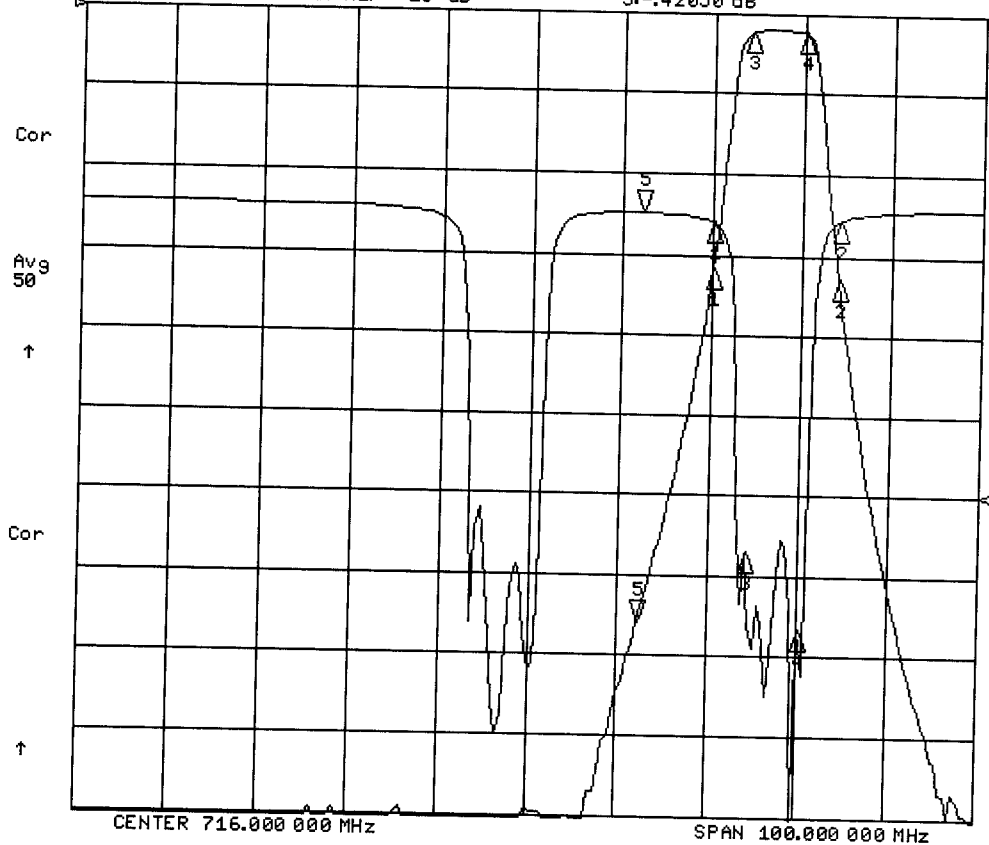
CH1 Markers

- 1:-2.7057 dB  
710.000 MHz
- 2:-2.5445 dB  
716.000 MHz
- 3:-32.798 dB  
706.000 MHz
- 4:-31.388 dB  
720.000 MHz

CH2 Markers

- 1:-21.682 dB  
710.000 MHz
- 2:-24.976 dB  
716.000 MHz
- 3:-84130 dB  
706.000 MHz
- 4:-92740 dB  
720.000 MHz

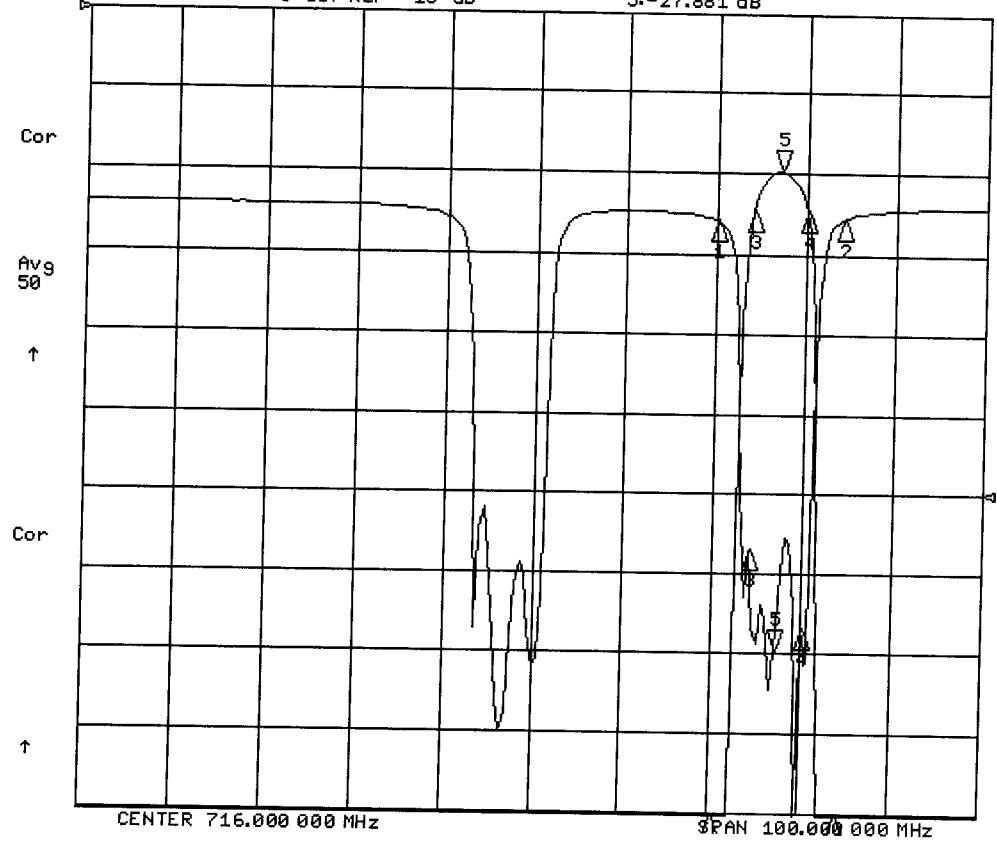
11 Mar 2011 10:51:03  
 CH1 S21 LOG 10 dB/REF 0 dB 5:-75.799 dB 726.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB 5:-42050 dB



CH1 Markers  
 1:-31.755 dB  
 736.000 MHz  
 2:-33.020 dB  
 750.000 MHz  
 3:-2.4800 dB  
 740.000 MHz  
 4:-2.4899 dB  
 746.000 MHz

CH2 Markers  
 1:-1.0177 dB  
 736.000 MHz  
 2:-.86960 dB  
 750.000 MHz  
 3:-21.558 dB  
 740.000 MHz  
 4:-26.410 dB  
 746.000 MHz

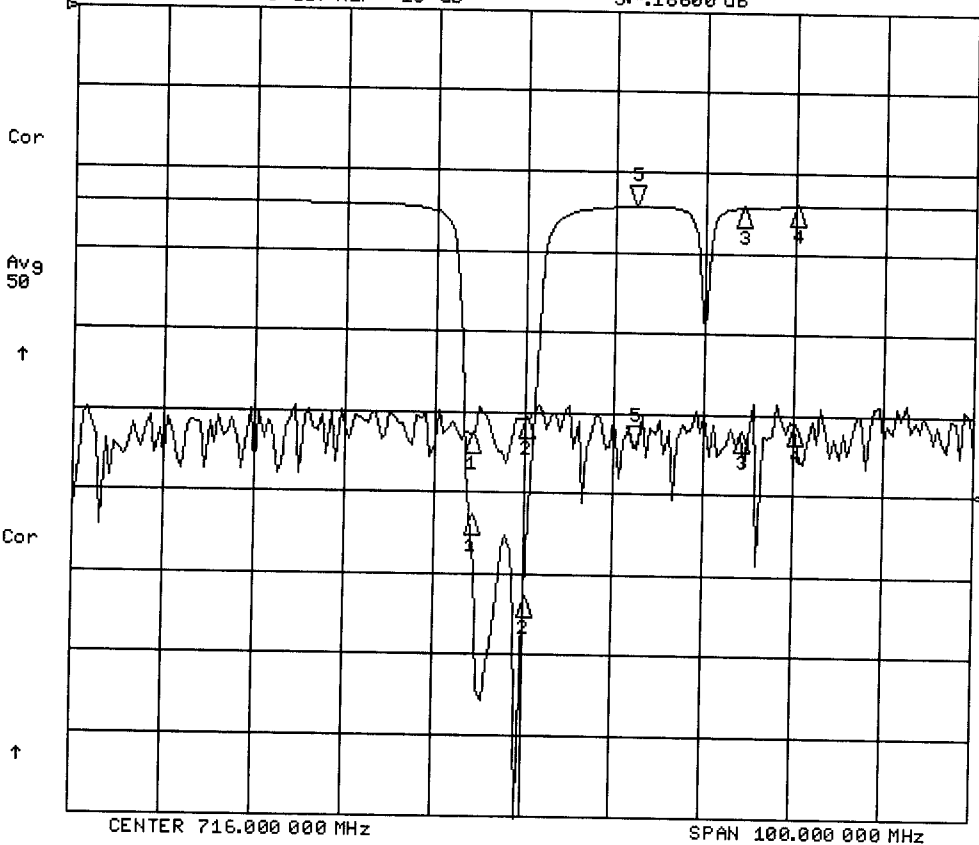
11 Mar 2011 10:51:16  
 CH1 S21 LOG 1 dB/REF 0 dB 5:-1.9773 dB 743.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB 5:-27.881 dB



CH1 Markers  
 1:-31.737 dB  
 736.000 MHz  
 2:-33.029 dB  
 750.000 MHz  
 3:-2.4766 dB  
 740.000 MHz  
 4:-2.4879 dB  
 746.000 MHz

CH2 Markers  
 1:-1.0270 dB  
 736.000 MHz  
 2:-.87680 dB  
 750.000 MHz  
 3:-21.574 dB  
 740.000 MHz  
 4:-26.542 dB  
 746.000 MHz

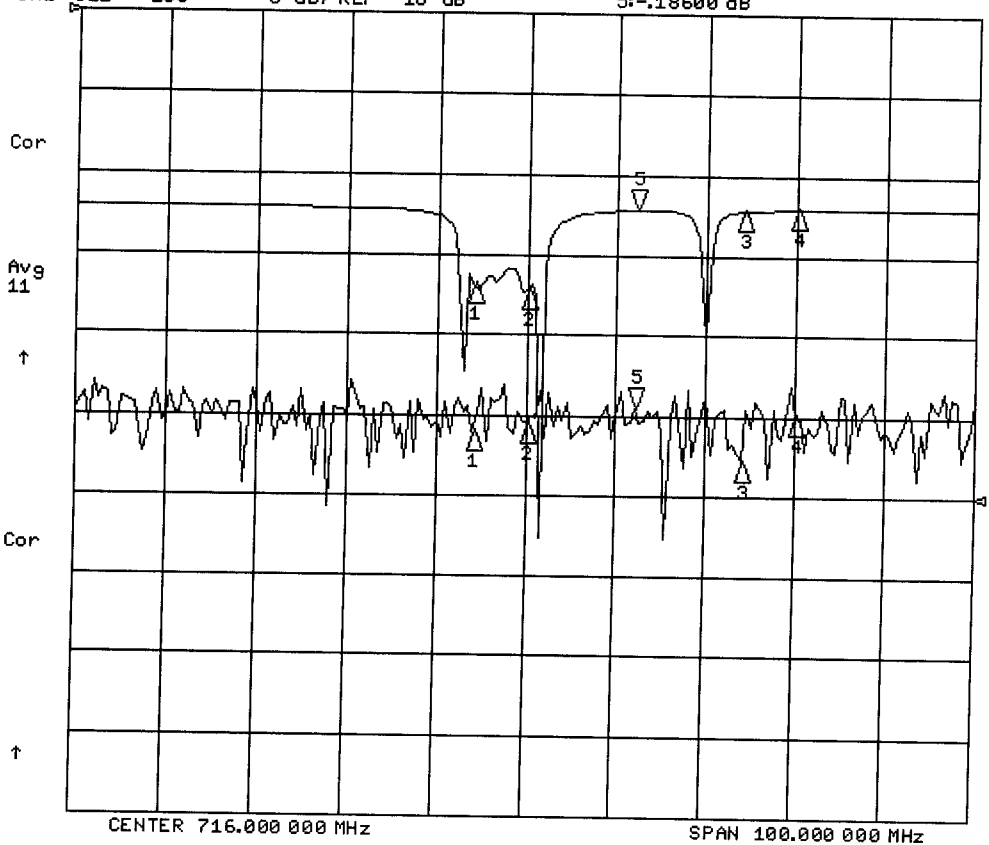
11 Mar 2011 10:53:43  
 CH1 S21 LOG 20 dB/REF 0 dB 5:-108.23 dB 728.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB 5:-.18600 dB



CH1 Markers  
 1:-105.39 dB  
 710.000 MHz  
 2:-101.76 dB  
 716.000 MHz  
 3:-104.70 dB  
 740.000 MHz  
 4:-102.49 dB  
 746.000 MHz

CH2 Markers  
 1:-19.459 dB  
 710.000 MHz  
 2:-24.476 dB  
 716.000 MHz  
 3:-.17040 dB  
 740.000 MHz  
 4:-.08660 dB  
 746.000 MHz

11 Mar 2011 10:53:46  
 CH1 S21 LOG 20 dB/REF 0 dB 5:-98.191 dB 728.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB 5:-.18600 dB



CH1 Markers  
 1:-104.06 dB  
 710.000 MHz  
 2:-102.18 dB  
 716.000 MHz  
 3:-111.43 dB  
 740.000 MHz  
 4:-99.685 dB  
 746.000 MHz

CH2 Markers  
 1:-4.8779 dB  
 710.000 MHz  
 2:-5.2073 dB  
 716.000 MHz  
 3:-.17300 dB  
 740.000 MHz  
 4:-.08460 dB  
 746.000 MHz