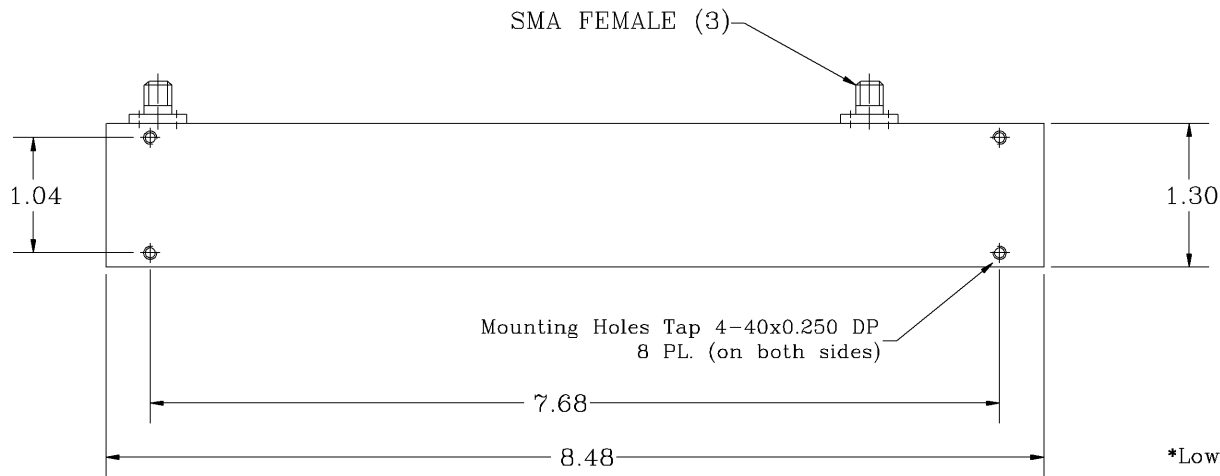
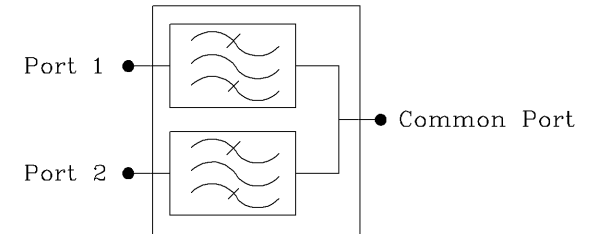
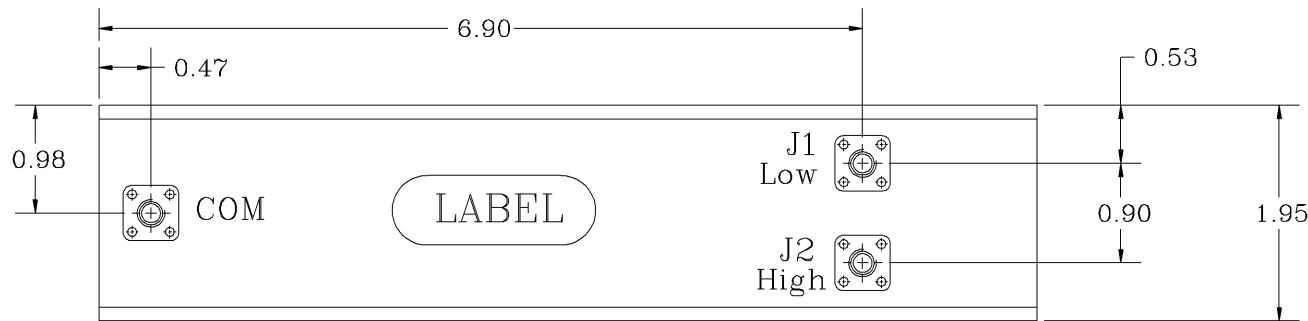


REVISIONS			
REV		DATE	APPROVED



Electrical Specifications

*Low Pass Band Range [MHz]	: 1615 to 1665
*High Pass Band Range [MHz]	: 1715 to 1765
*Pass Band Insertion Loss [dB]	: < 0.9, 0.8 (Typ.)
*Pass Band Ripple [dB]	: < 0.5 P-T-P
*Low Rejection DC to 1420 MHz [dB]	: 65 (Min.)
1715 to 1765 MHz [dB]	: 90 (Min.)
*High Rejection DC to 1665 MHz [dB]	: 80 (Min.)
1815 to 6000 MHz [dB]	: 60 (Min.)
*Isolation Between Filters [dB]	: 80 (Min.)
*Pass Band Return Loss [dB]	: -18 (Max), <1.28:1
*Input/Output Impedance	: 50 ohm
*RF Power Capability CW	: 10 Watts
*Input/Output @ DC Ground Potential	

OPERATING TEMPERATURE RANGE: -35°C TO +85°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:

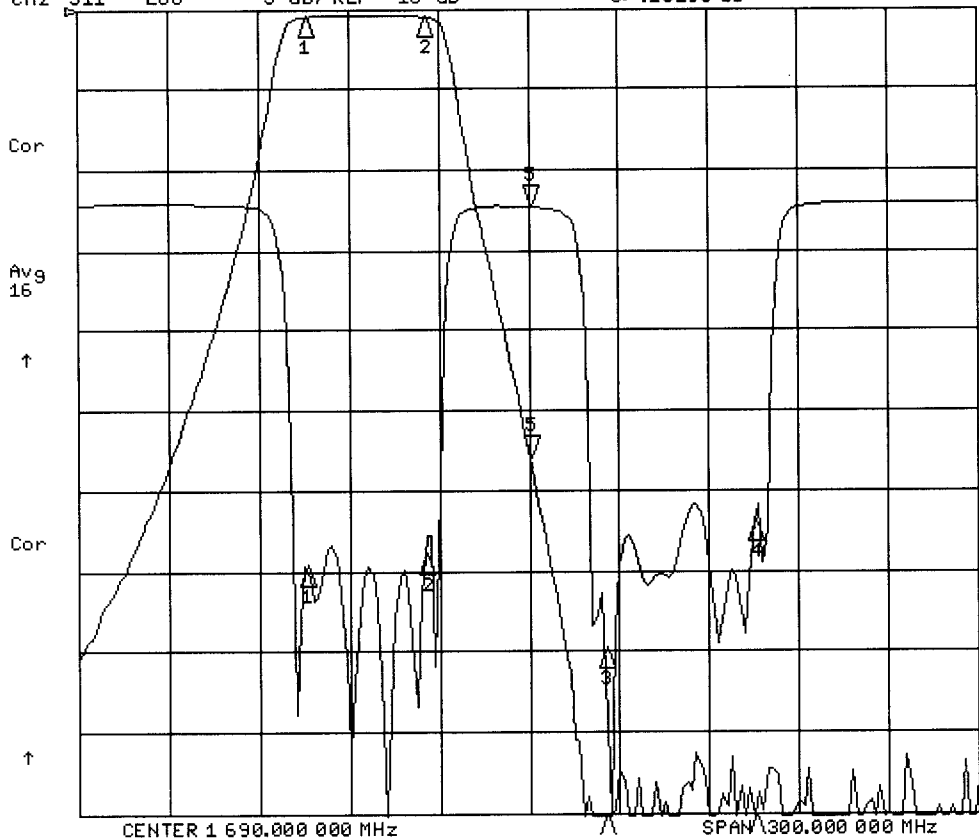
- BREAK ALL CORNERS & EDGES.005/.010.
- FINAL FINISH:
EPOXY GRAY - OPTIONAL

DIMENSIONS ARE IN INCHES TOLERANCES ARE ANGLES DECIMALS ± 1° X ± .05 XX ± .01 XXX ± .003		CONTRACT NO:		G-Way Microwave			
TREATMENT		APPROVALS DATE					
FINISH 63/		DRAWN Sivak 03/08		Diplexer 1690 MHz		REV.	
MATERIAL AL6061-T6		CHECKED		CD1690/50SK-F		0	
		ENG. DESIGN ACTIVITY		SIZE CAGE CODE DWG NO:		SHEET 1 OF 1	
				A 3K1H4 CD1690/50SK-F-1			
				SCALE None			

CD1690/505K-F

6 Mar 2008 10:26:38

CH1 S21 LOG 10 dB/REF 0 dB 5:-55.781 dB 1 690.000 000 MHz
 CH2 S11 LOG 5 dB/REF -18 dB 5:-28190 dB



CH1 Markers

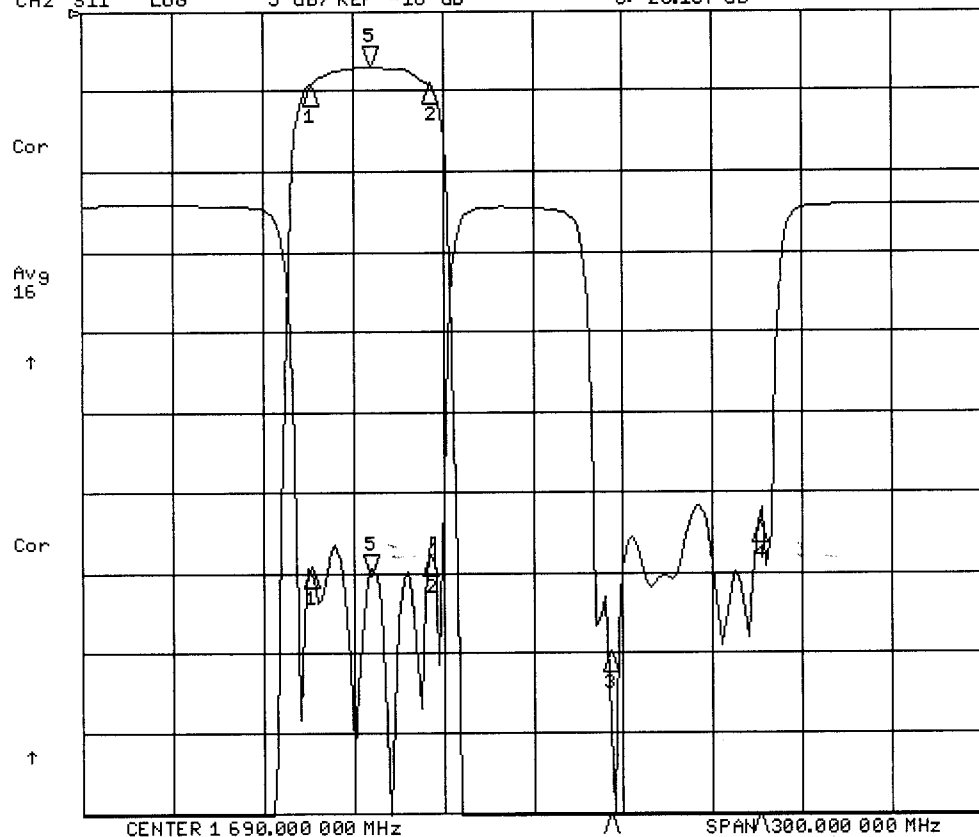
- 1:-94850 dB
1.61500 GHz
- 2:-92400 dB
1.65500 GHz
- 3:-102.88 dB
1.71500 GHz
- 4:-113.13 dB
1.76500 GHz

CH2 Markers

- 1:-22.671 dB
1.61500 GHz
- 2:-21.966 dB
1.65500 GHz
- 3:-27.794 dB
1.71500 GHz
- 4:-19.918 dB
1.76500 GHz

6 Mar 2008 10:26:50

CH1 S21 LOG 1 dB/REF 0 dB 5:-68930 dB 1 635.000 000 MHz
 CH2 S11 LOG 5 dB/REF -18 dB 5:-23.157 dB



CH1 Markers

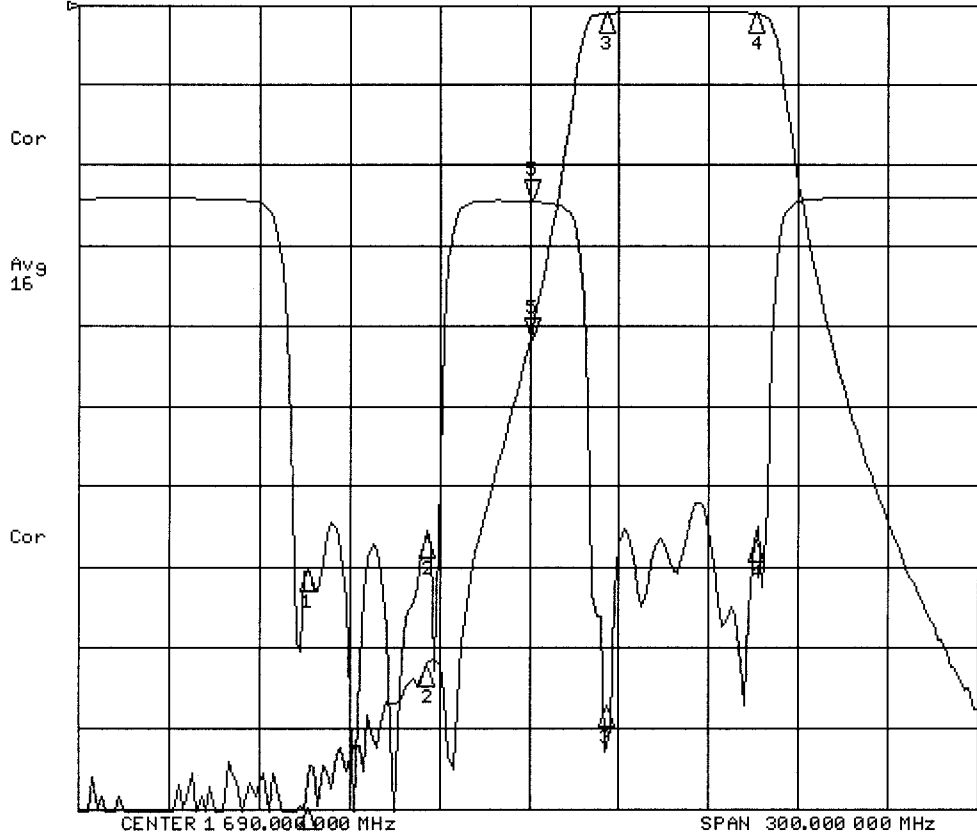
- 1:-94650 dB
1.61500 GHz
- 2:-91820 dB
1.65500 GHz
- 3:-101.95 dB
1.71500 GHz
- 4:-105.22 dB
1.76500 GHz

CH2 Markers

- 1:-22.653 dB
1.61500 GHz
- 2:-21.970 dB
1.65500 GHz
- 3:-27.901 dB
1.71500 GHz
- 4:-19.870 dB
1.76500 GHz

6 Mar 2008 10:25:26

CH1 S21 LOG 10 dB/REF 0 dB 5:-41.591 dB 1 690.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-.28370 dB



CH1 Markers

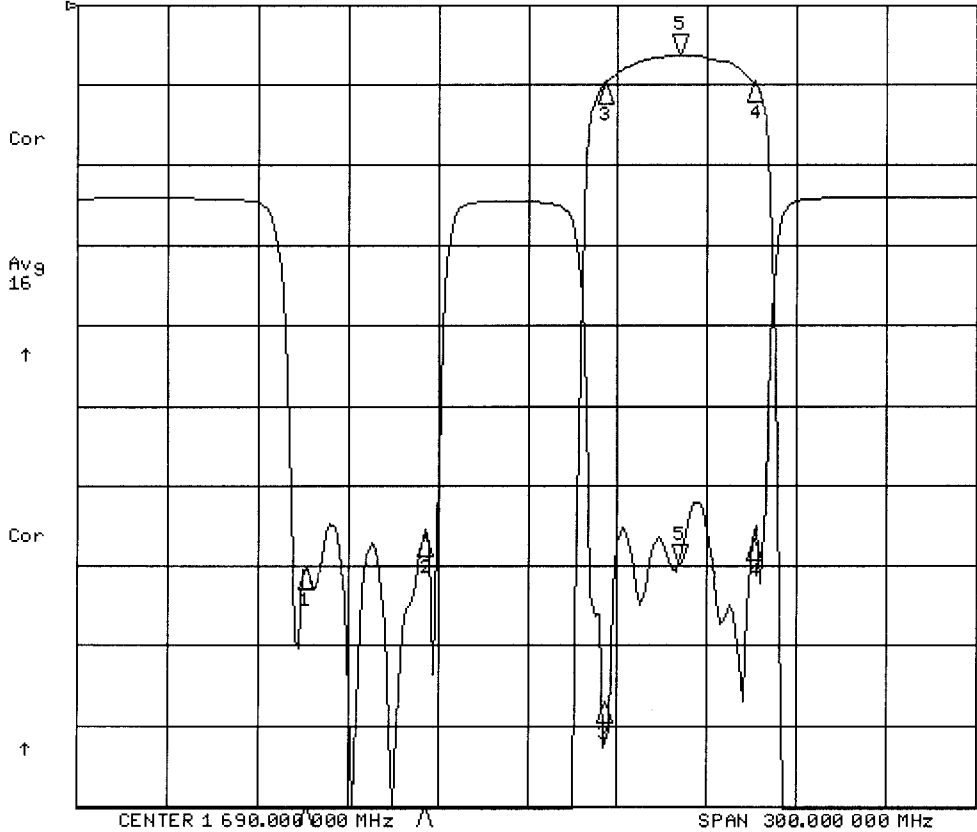
- 1:-100.16 dB
1.61500 GHz
- 2:-82.431 dB
1.65500 GHz
- 3:-98.890 dB
1.71500 GHz
- 4:-94.920 dB
1.76500 GHz

CH2 Markers

- 1:-23.244 dB
1.61500 GHz
- 2:-21.230 dB
1.65500 GHz
- 3:-31.629 dB
1.71500 GHz
- 4:-21.474 dB
1.76500 GHz

6 Mar 2008 10:25:40

CH1 S21 LOG 1 dB/REF 0 dB 5:-.62920 dB 1 740.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-23.064 dB



CH1 Markers

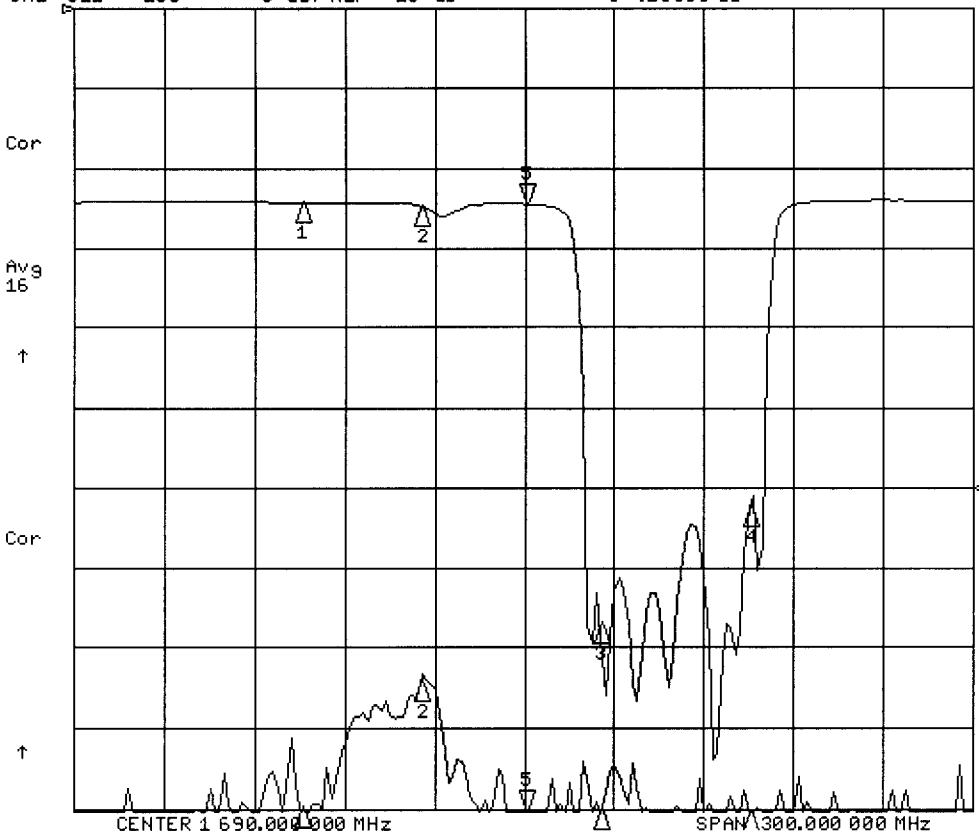
- 1:-92.917 dB
1.61500 GHz
- 2:-83.365 dB
1.65500 GHz
- 3:-98.560 dB
1.71500 GHz
- 4:-95.280 dB
1.76500 GHz

CH2 Markers

- 1:-23.280 dB
1.61500 GHz
- 2:-21.215 dB
1.65500 GHz
- 3:-31.584 dB
1.71500 GHz
- 4:-21.514 dB
1.76500 GHz

6 Mar 2008 10:27:40

CH1 S21 LOG 10 dB/REF 0 dB 5:-111.44 dB 1 690.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-.23630 dB



CH1 Markers

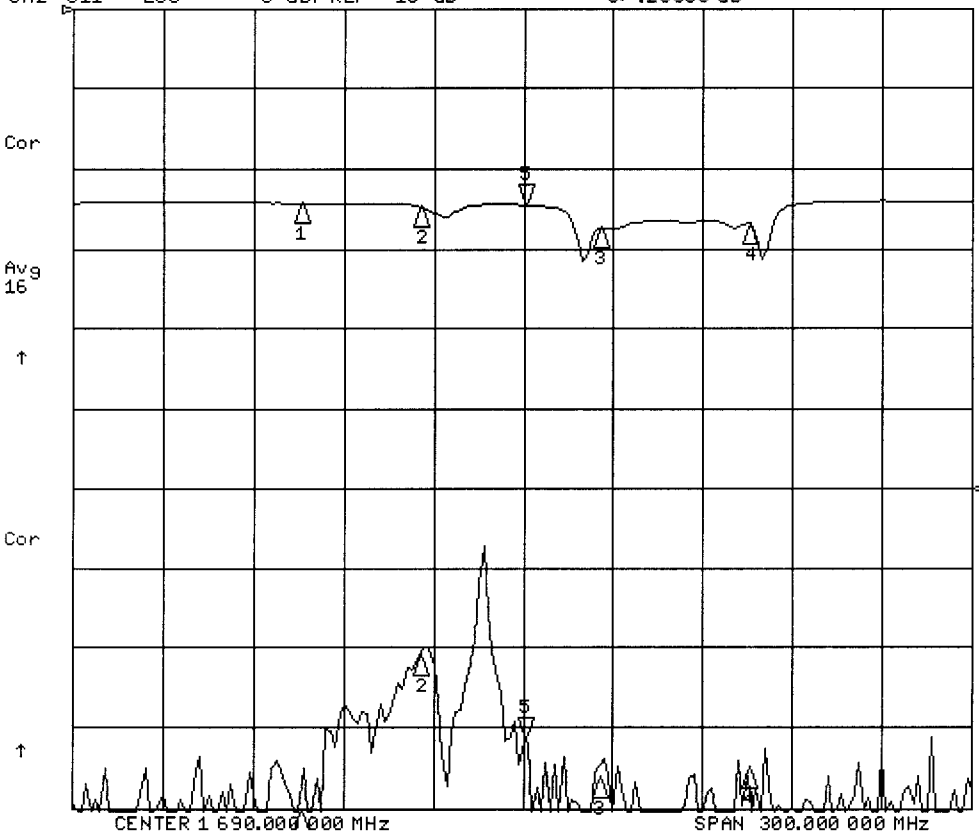
1:-99.813 dB
1.61500 GHz
2:-84.203 dB
1.65500 GHz
3:-100.07 dB
1.71500 GHz
4:-100.45 dB
1.76500 GHz

CH2 Markers

1:-.14120 dB
1.61500 GHz
2:-.34410 dB
1.65500 GHz
3:-26.482 dB
1.71500 GHz
4:-19.138 dB
1.76500 GHz

6 Mar 2008 10:27:48

CH1 S21 LOG 10 dB/REF 0 dB 5:-91.385 dB 1 690.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-.23550 dB



CH1 Markers

1:-106.95 dB
1.61500 GHz
2:-81.006 dB
1.65500 GHz
3:-96.132 dB
1.71500 GHz
4:-95.014 dB
1.76500 GHz

CH2 Markers

1:-.14810 dB
1.61500 GHz
2:-.34680 dB
1.65500 GHz
3:-1.7387 dB
1.71500 GHz
4:-1.4972 dB
1.76500 GHz