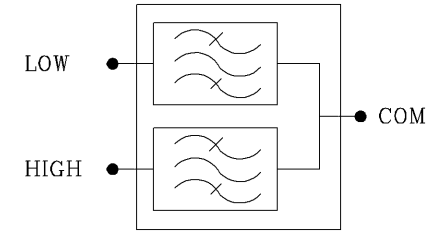
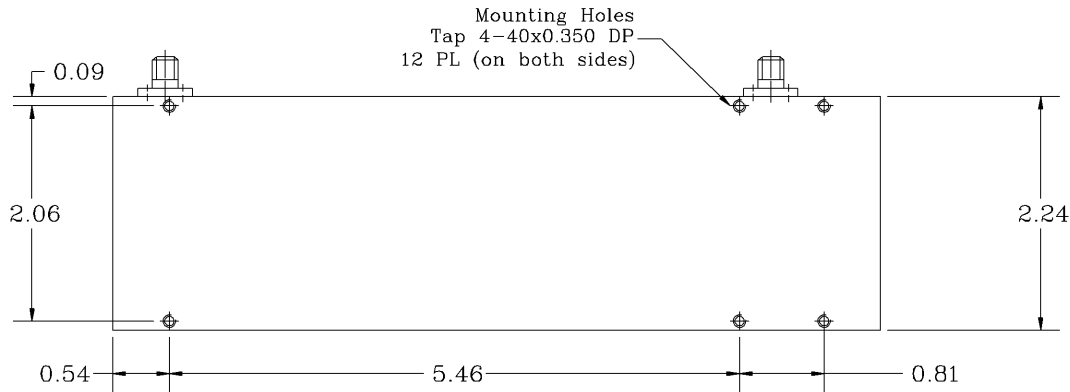
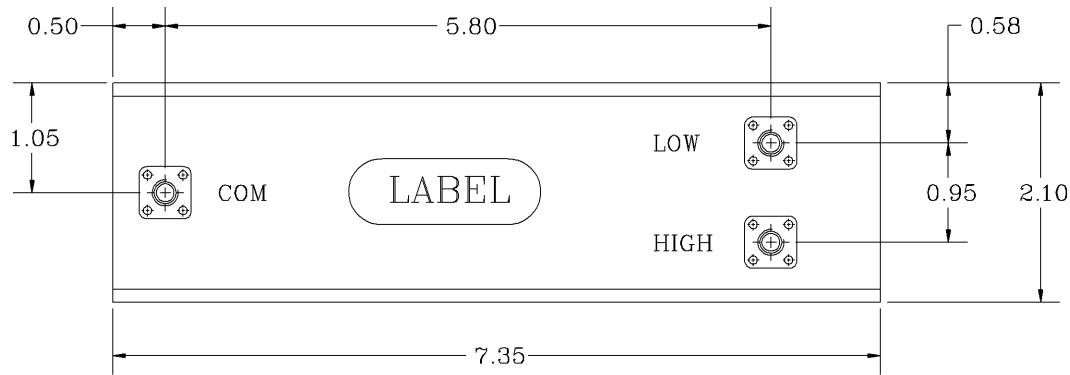


REVISIONS			
REV		DATE	APPROVED



Electrical Specifications:

- *Uplink Passband [MHz] : 900 to 903
- *Pass Band Insertion Loss [dB] : < 2.1, 2.0 (Typ.)
- *Pass Band Ripple [dB] : <0.3 P-T-P
- *Attenuation @ Passband +/- 4 MHz [dB] : 25 (Min.)
- @ 940 to 942 MHz [dB] : 80 (Min.), 90 (Typ.)
- *Down Link Passband [MHz] : 940 to 942
- *Pass Band Insertion Loss [dB] : < 2.1, 2.0 (Typ.)
- *Pass Band Ripple [dB] : <0.3 P-T-P
- *Attenuation @ Passband +/- 4 MHz [dB] : 25 (Min.)
- @ 929 to 932 MHz [dB] : 48 (Min.), 50 (Typ.)
- @ 900 to 903 MHz [dB] : 80 (Min.), 90 (Typ.)
- *Isolation Between filters [dB] : 95 (Min.)
- *Pass Band Return Loss [dB] : < -18 (Max), <1.3:1
- *Ultimate Stop Band Attenuation [dB] : 80 (Min.)
- *Input/Output Impedance : 50 ohm
- *RF Power Capability CW : 20 Watt

OPERATING TEMPERATURE RANGE: -20°C to +75°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:

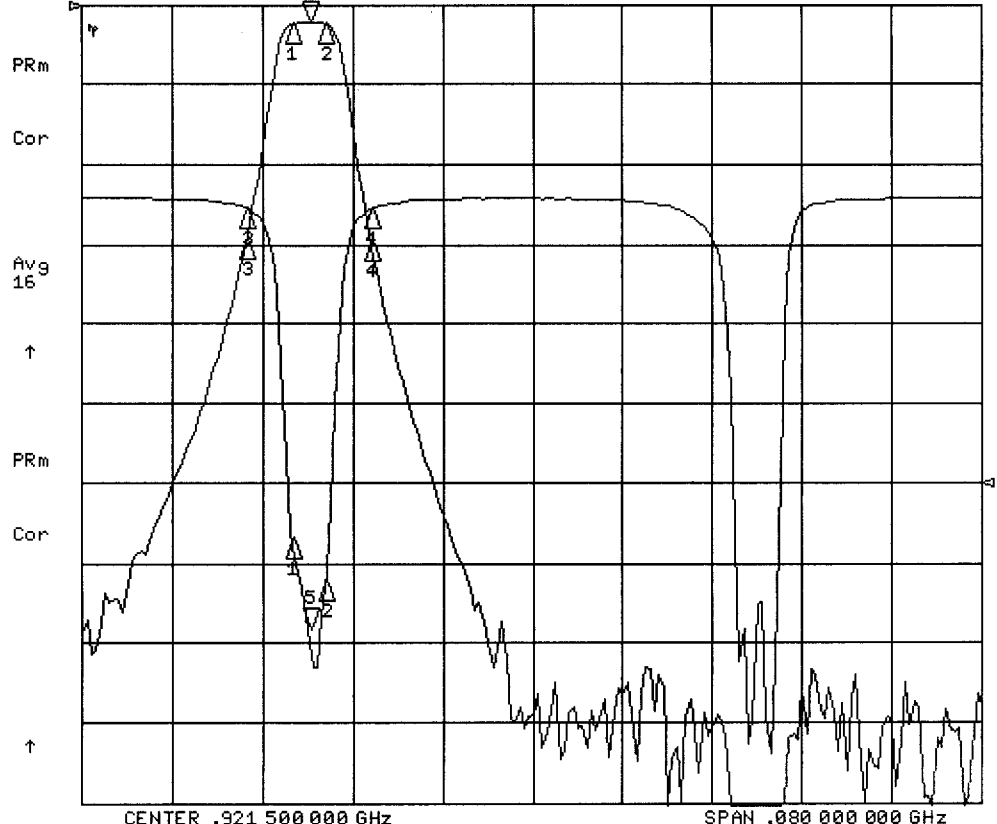
1. BREAK ALL CORNERS & EDGES.005/.010.
2. FINAL FINISH: PAINT OPTIONAL

DIMENSIONS ARE IN INCHES TOLERANCES ARE		CONTRACT NO:		G-Way Microwave	
ANGLES	DECIMALS	APPROVALS	DATE		
± 1°	X ± .05 XX ± .01 XXX ± .003	DRAWN	03/10	Diplexer 900 MHz CD921.5/3SK-E	
TREATMENT	CHECKED	ENG.	DESIGN ACTIVITY	SIZE	CAGE CODE
FINISH	63/			A	3K1H4
MATERIAL	AL6061-T6			DWG NO:	REV.
				CD921.5/3SK-E-1	0
				SCALE	SHEET
				None	1 OF 1

CD 921.5/3SK-E

4 Mar 2010 16:05:52

CH1 S21 LOG 10 dB/REF 0 dB 5:-2.1350 dB .901 500 000 GHz
 CH2 S11 LOG 5 dB/REF -18 dB 5:-27.129 dB



CH1 Markers

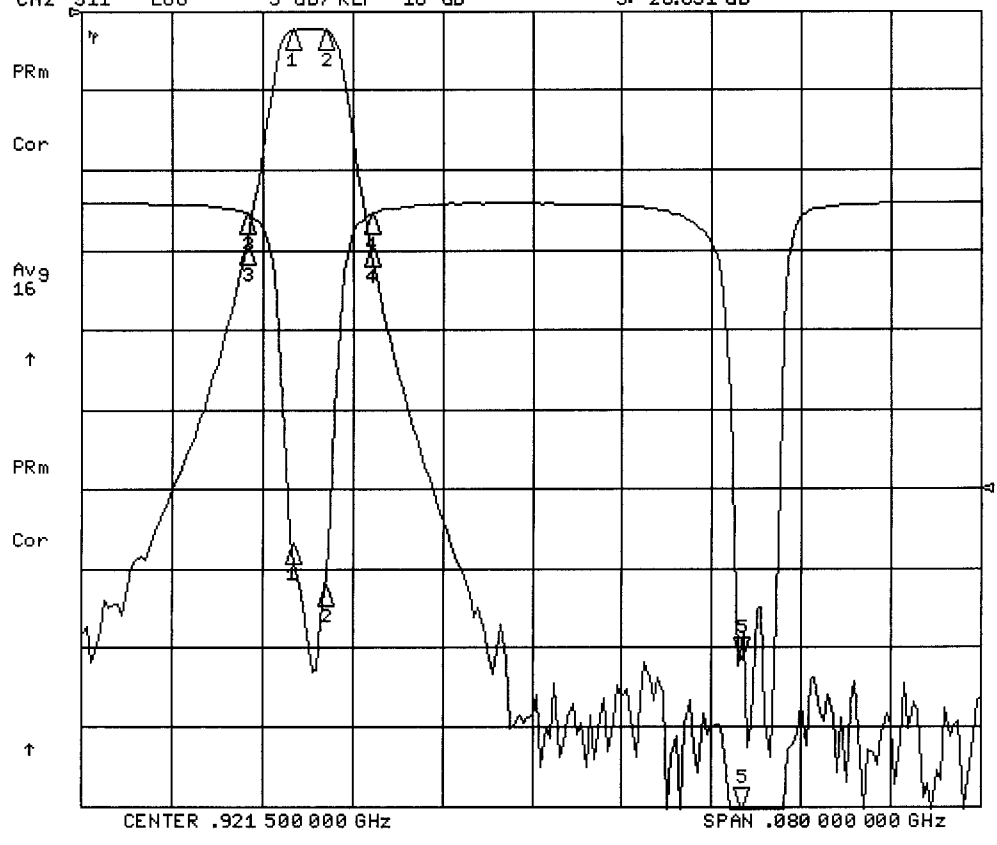
- 1:-2.4970 dB
900.000 MHz
- 2:-2.4260 dB
903.000 MHz
- 3:-29.426 dB
996.000 MHz
- 4:-29.572 dB
907.000 MHz

CH2 Markers

- 1:-21.428 dB
900.000 MHz
- 2:-24.110 dB
903.000 MHz
- 3:-71800 dB
996.000 MHz
- 4:-.77400 dB
907.000 MHz

4 Mar 2010 16:06:03

CH1 S21 LOG 10 dB/REF 0 dB 5:-111.60 dB .940 000 000 GHz
 CH2 S11 LOG 5 dB/REF -18 dB 5:-28.651 dB



CH1 Markers

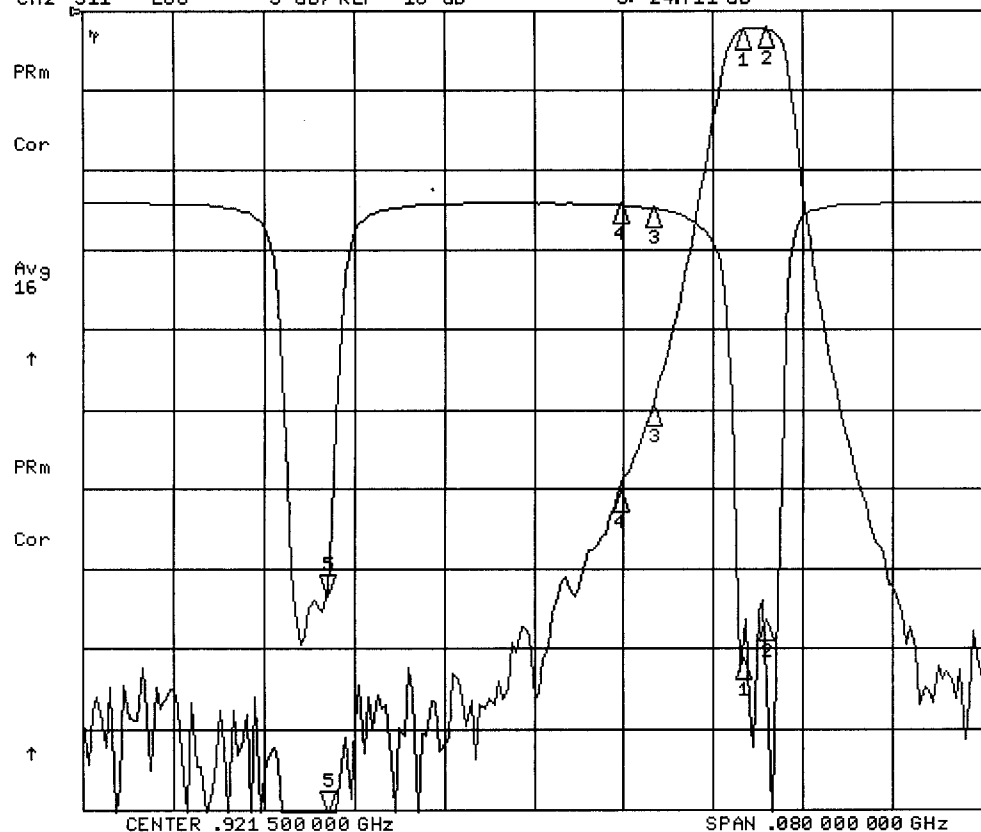
- 1:-2.4960 dB
900.000 MHz
- 2:-2.4240 dB
903.000 MHz
- 3:-29.423 dB
996.000 MHz
- 4:-29.576 dB
907.000 MHz

CH2 Markers

- 1:-21.428 dB
900.000 MHz
- 2:-24.112 dB
903.000 MHz
- 3:-.72300 dB
996.000 MHz
- 4:-.77400 dB
907.000 MHz

4 Mar 2010 16:03:31

CH1 S21 LOG 10 dB/REF 0 dB 5:-121.11 dB .903 000 000 GHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-24.711 dB



CH1 Markers

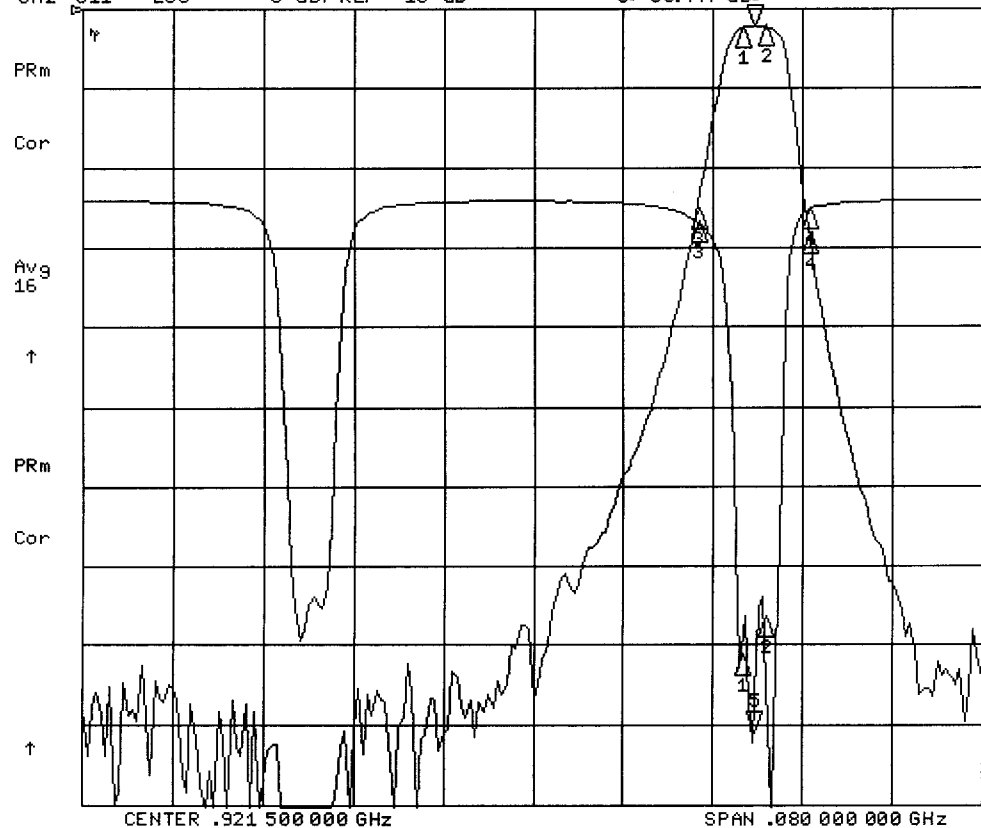
1:-2.3890 dB
940.000 MHz
2:-2.2600 dB
942.000 MHz
3:-49.494 dB
932.000 MHz
4:-60.442 dB
929.000 MHz

CH2 Markers

1:-28.632 dB
940.000 MHz
2:-26.296 dB
942.000 MHz
3:-40.000 dB
932.000 MHz
4:-21.000 dB
929.000 MHz

4 Mar 2010 16:04:01

CH1 S21 LOG 10 dB/REF 0 dB 5:-2.1910 dB .941 000 000 GHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-33.447 dB



CH1 Markers

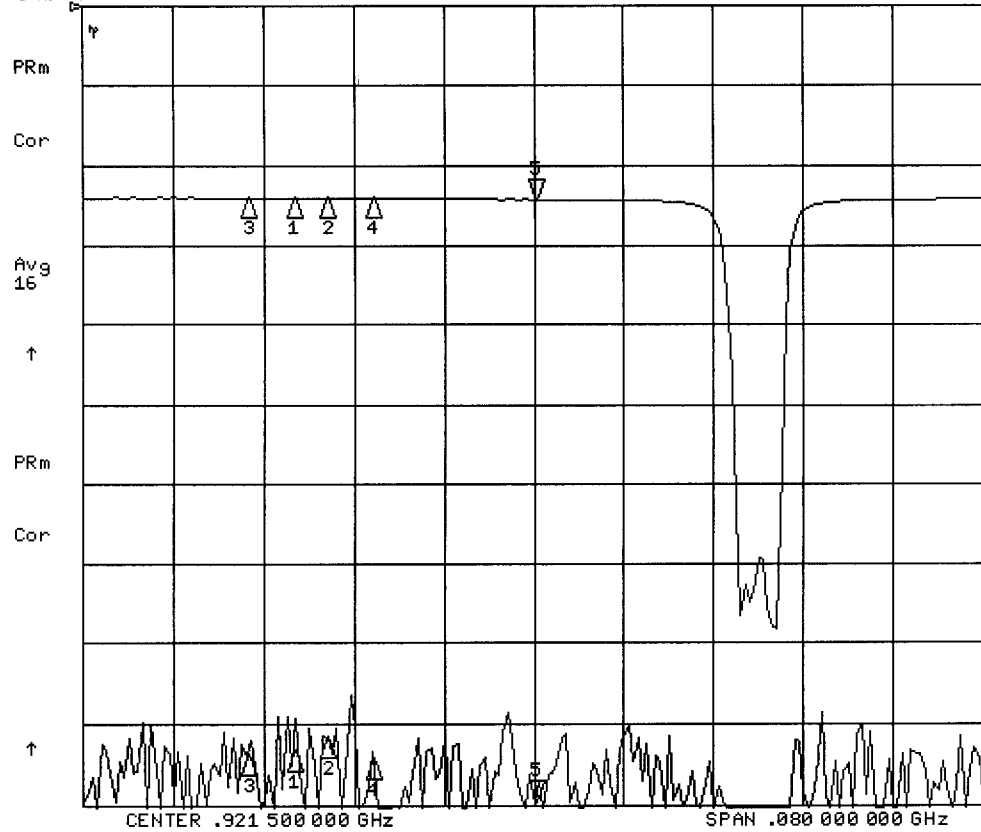
1:-2.3910 dB
940.000 MHz
2:-2.2610 dB
942.000 MHz
3:-25.314 dB
936.000 MHz
4:-28.330 dB
946.000 MHz

CH2 Markers

1:-28.631 dB
940.000 MHz
2:-26.282 dB
942.000 MHz
3:-1.4610 dB
936.000 MHz
4:-6.5600 dB
946.000 MHz

4 Mar 2010 16:06:34

CH1 S21 LOG 10 dB/REF 0 dB 5:-99.573 dB .921 500 000 GHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-.11000 dB



CH1 Markers

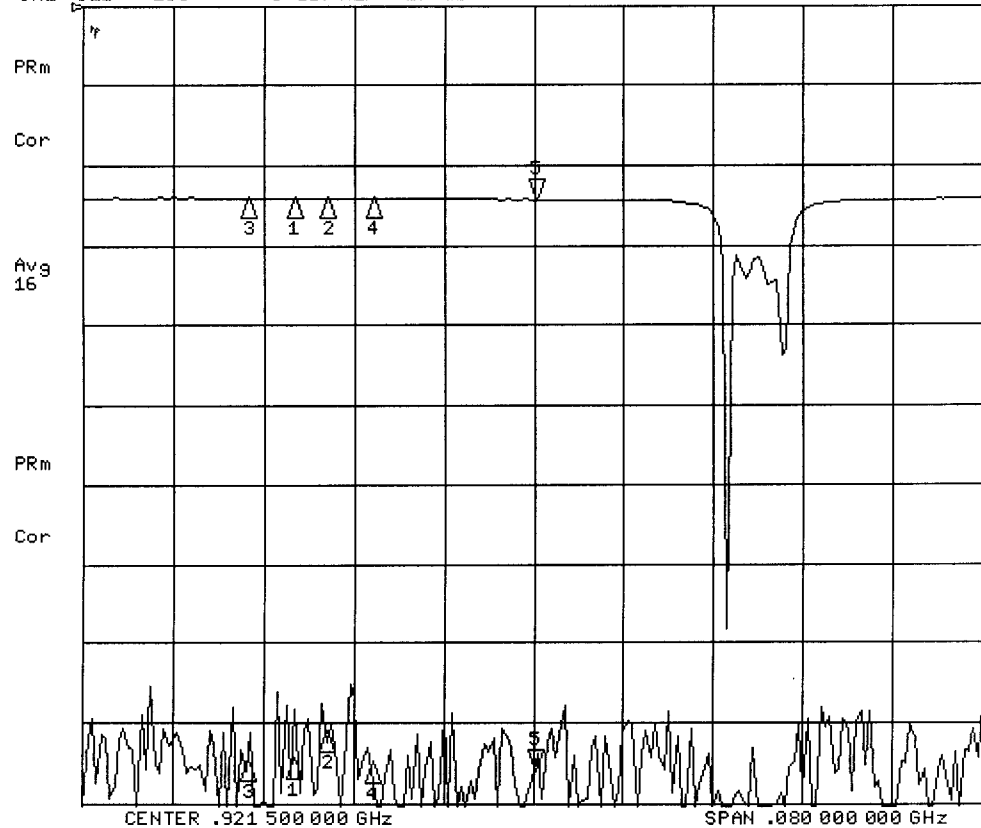
- 1:-93.440 dB
900.000 MHz
- 2:-91.607 dB
903.000 MHz
- 3:-93.781 dB
896.000 MHz
- 4:-94.315 dB
907.000 MHz

CH2 Markers

- 1:-.02200 dB
900.000 MHz
- 2:-.01700 dB
903.000 MHz
- 3:-.00800 dB
896.000 MHz
- 4:-.04200 dB
907.000 MHz

4 Mar 2010 16:06:41

CH1 S21 LOG 10 dB/REF 0 dB 5:-96.011 dB .921 500 000 GHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-.11900 dB



CH1 Markers

- 1:-94.603 dB
900.000 MHz
- 2:-91.229 dB
903.000 MHz
- 3:-94.833 dB
896.000 MHz
- 4:-95.161 dB
907.000 MHz

CH2 Markers

- 1:-.02300 dB
900.000 MHz
- 2:-.01700 dB
903.000 MHz
- 3:-.00500 dB
896.000 MHz
- 4:-.04200 dB
907.000 MHz