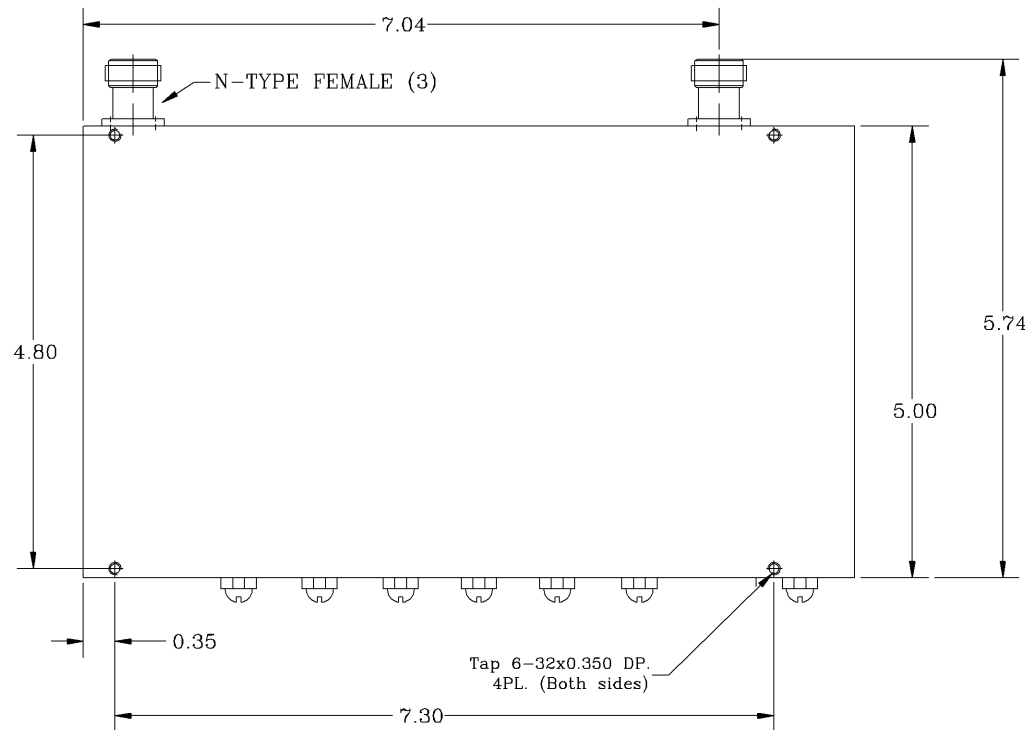
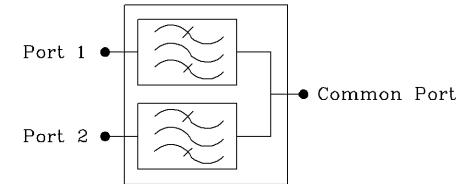
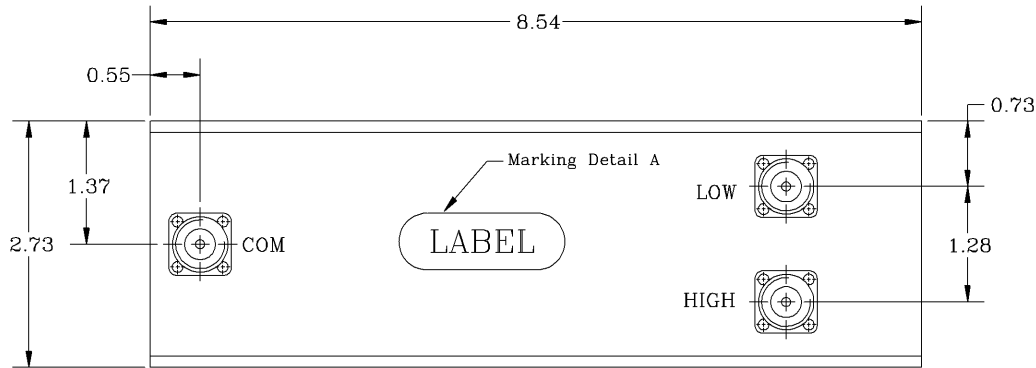


REVISIONS			
REV		DATE	APPROVED



Electrical Specifications

- *Low Passband Frequency Range [MHz] : 410-430
- *High Passband Frequency Range [MHz] : 450-470
- *Pass Band Insertion Loss @ Fc [dB] : 0.5 (Typ.)
- *Pass Band Ripple [dB] : < 0.5 P-T-P
- *Low Attenuation 450 to 470 MHz [dB] : 85 (Min.), 90 (Typ.)
- *High Attenuation 410 to 430 MHz [dB] : 58 (Min.), 60 (Typ.)
- *Isolation between bands [dB] : 58 (Min.), 60 (Typ.)
- *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: -20°C TO +60°C

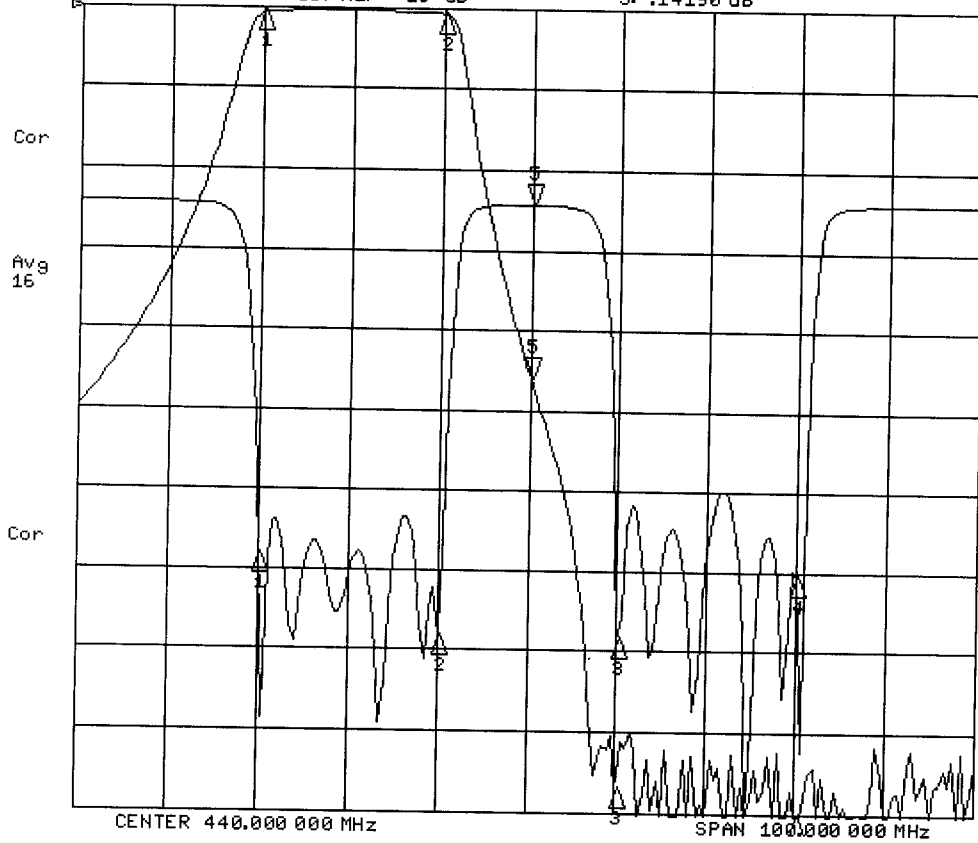
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NOTES:

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			TITLE 440 MHz Diplexer/Combiner CD440/20SK-F3	
TREATMENT		DRAWN Sivak	02/11	SIZE	CAGE CODE DWG NO:
FINISH 63/		CHECKED		A	3K1H4 CD440/20SK-F3-1
MATERIAL		ENG.		SCALE None	REV. 0
		DESIGN ACTIVITY			SHEET 1 OF 1

17 Feb 2011 10:48:36
 CH1 S21 LOG 10 dB/REF 0 dB 5:-46.003 dB 440.000 000 MHz
 CH2 S11 LOG 5 dB/REF -18 dB 5:-14.190 dB



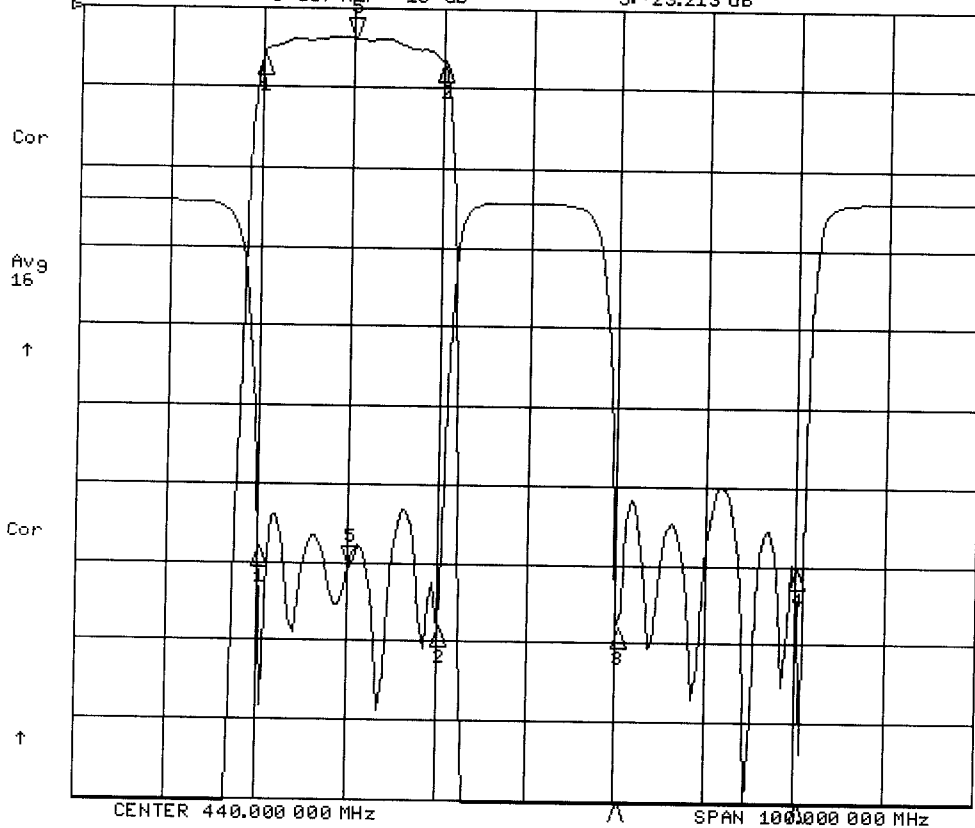
CH1 Markers
 1:-60.410 dB
 410.000 MHz
 2:-67.220 dB
 430.000 MHz
 3:-96.944 dB
 450.000 MHz
 4:-116.83 dB
 470.000 MHz

CH2 Markers
 1:-22.049 dB
 410.000 MHz
 2:-27.117 dB
 430.000 MHz
 3:-27.185 dB
 450.000 MHz
 4:-23.330 dB
 470.000 MHz

CENTER 440.000 000 MHz

SPAN 100.000 000 MHz

17 Feb 2011 10:48:48
 CH1 S21 LOG 1 dB/REF 0 dB 5:-38.180 dB 420.000 000 MHz
 CH2 S11 LOG 5 dB/REF -18 dB 5:-23.213 dB



CH1 Markers
 1:-60.380 dB
 410.000 MHz
 2:-67.470 dB
 430.000 MHz
 3:-93.810 dB
 450.000 MHz
 4:-100.90 dB
 470.000 MHz

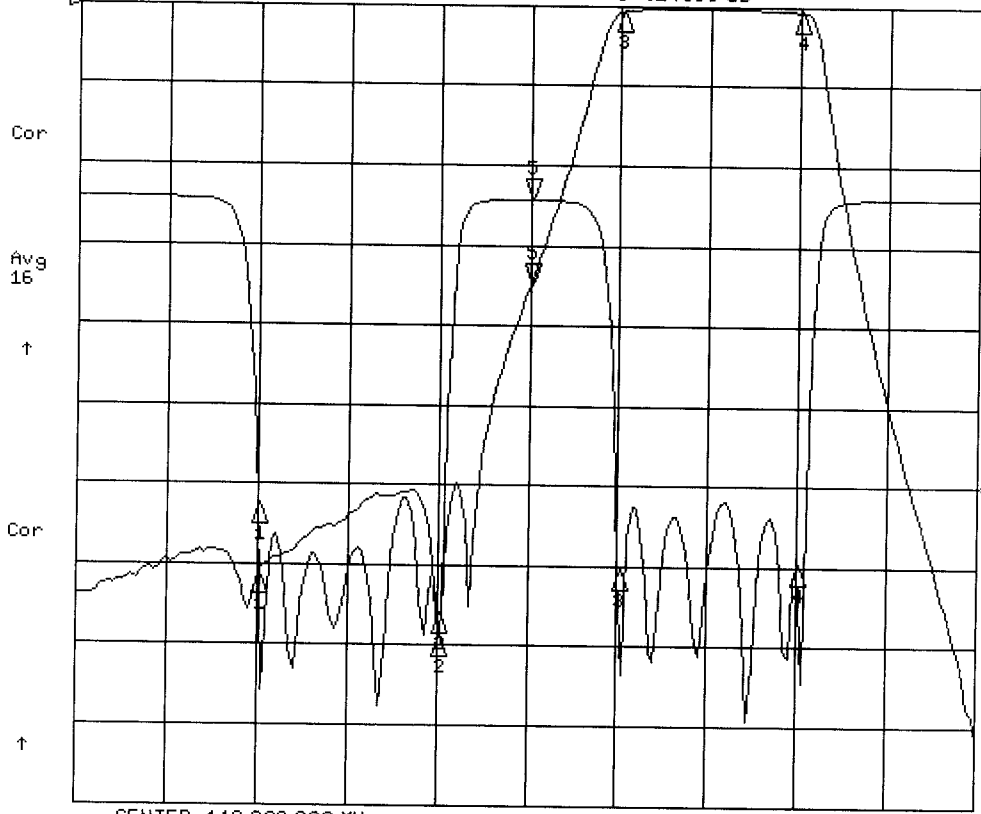
CH2 Markers
 1:-22.065 dB
 410.000 MHz
 2:-27.120 dB
 430.000 MHz
 3:-27.091 dB
 450.000 MHz
 4:-23.285 dB
 470.000 MHz

CENTER 440.000 000 MHz

SPAN 100.000 000 MHz

17 Feb 2011 10:51:55

CH1 S21 LOG 10 dB/REF 0 dB 5:-34.984 dB 440.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-14.800 dB



CH1 Markers

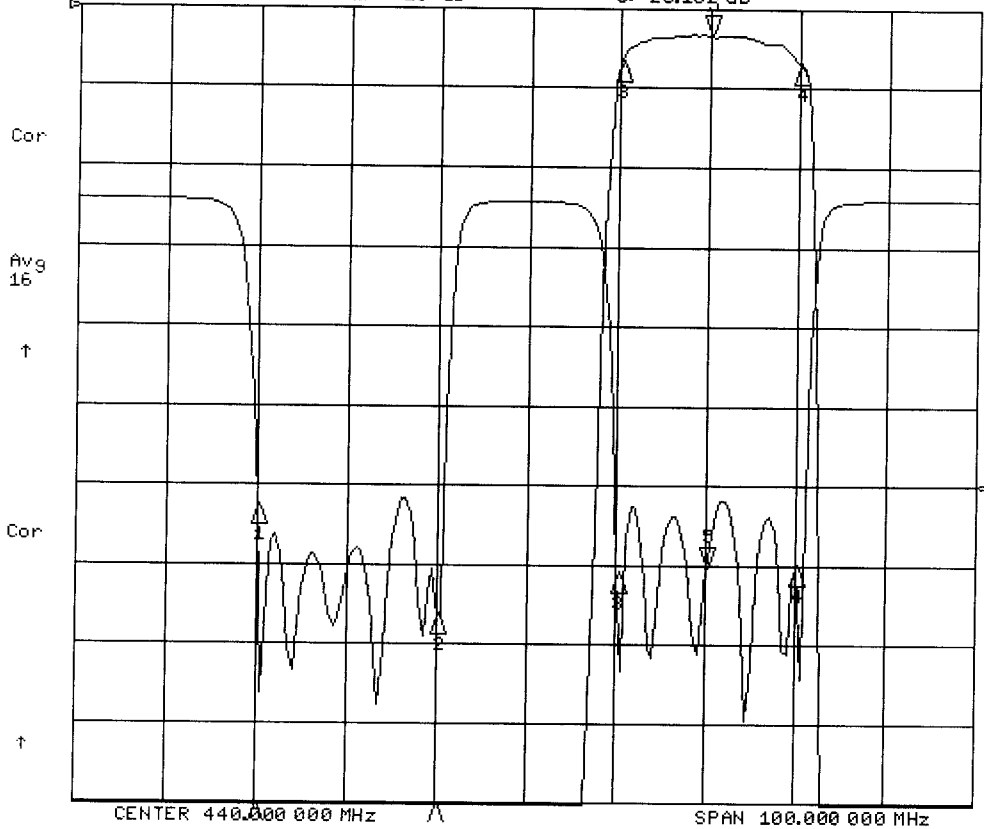
- 1:-71.305 dB
410.000 MHz
- 2:-79.017 dB
430.000 MHz
- 3:-66.820 dB
450.000 MHz
- 4:-69.020 dB
470.000 MHz

CH2 Markers

- 1:-19.234 dB
410.000 MHz
- 2:-26.096 dB
430.000 MHz
- 3:-23.304 dB
450.000 MHz
- 4:-22.961 dB
470.000 MHz

17 Feb 2011 10:52:04

CH1 S21 LOG 1 dB/REF 0 dB 5:-34.370 dB 460.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-23.132 dB



CH1 Markers

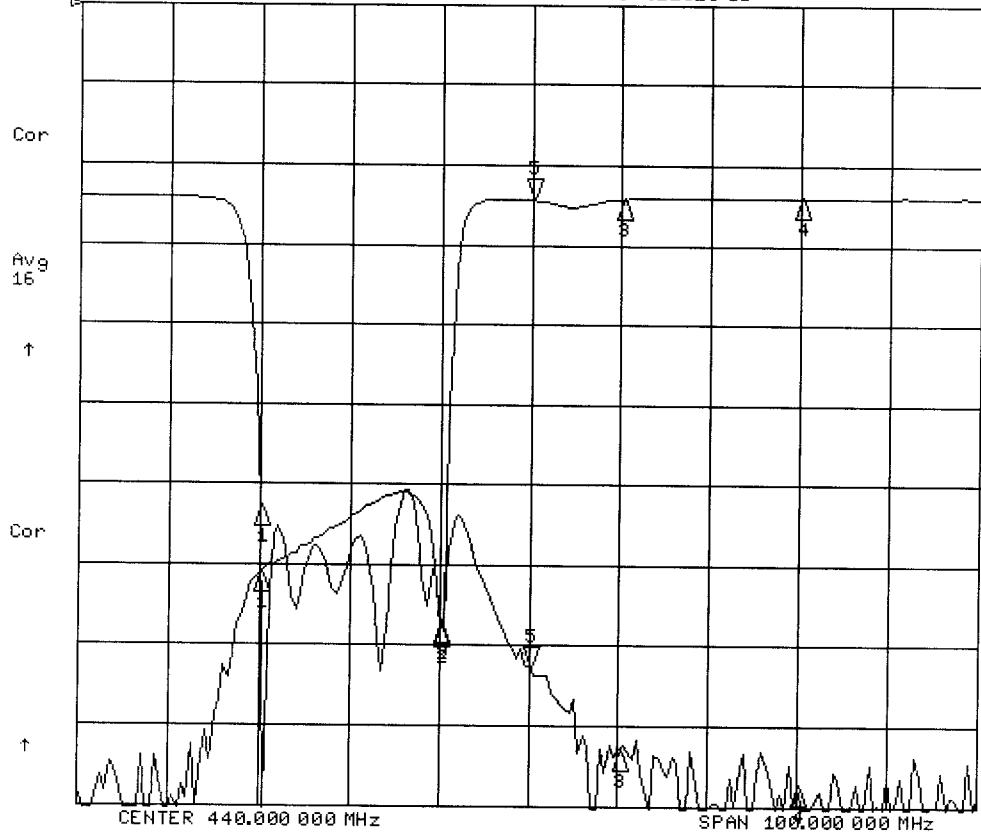
- 1:-70.999 dB
410.000 MHz
- 2:-78.229 dB
430.000 MHz
- 3:-66.790 dB
450.000 MHz
- 4:-69.180 dB
470.000 MHz

CH2 Markers

- 1:-19.255 dB
410.000 MHz
- 2:-26.144 dB
430.000 MHz
- 3:-23.462 dB
450.000 MHz
- 4:-23.033 dB
470.000 MHz

17 Feb 2011 10:52:33

CH1 S21 LOG 10 dB/REF 0 dB 5:-82.708 dB 440.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-.21010 dB

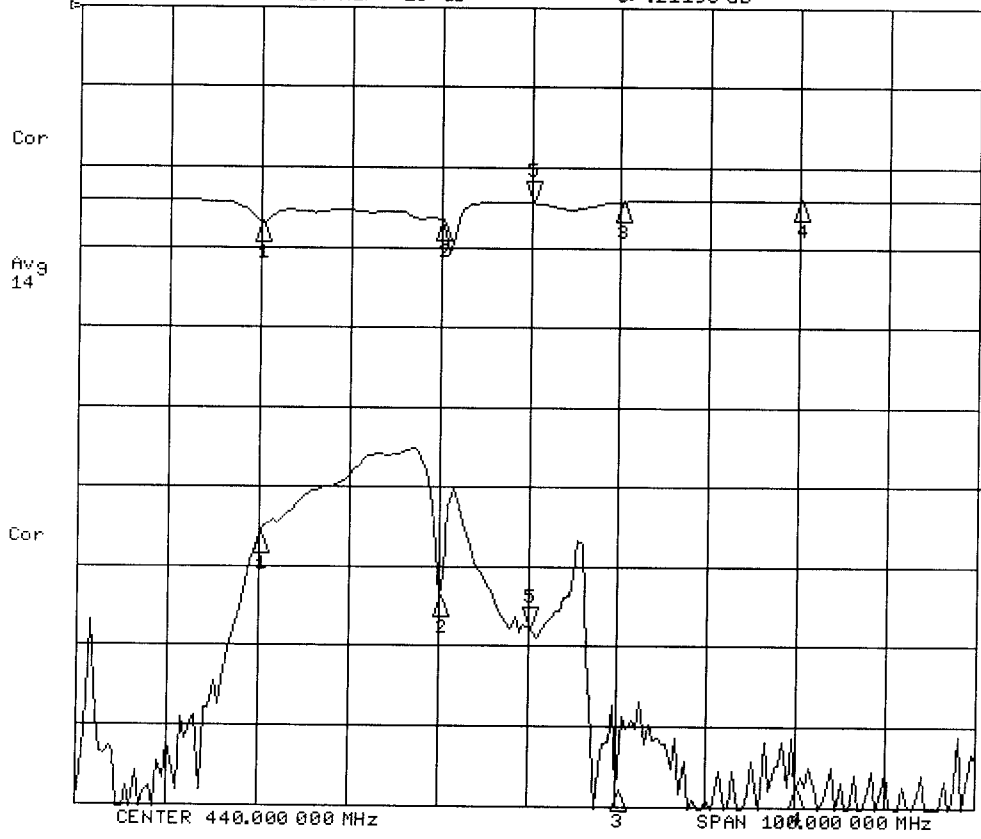


CH1 Markers
 1:-70.989 dB
410.000 MHz
 2:-77.368 dB
430.000 MHz
 3:-93.240 dB
450.000 MHz
 4:-97.400 dB
470.000 MHz

CH2 Markers
 1:-19.429 dB
410.000 MHz
 2:-25.860 dB
430.000 MHz
 3:-.11830 dB
450.000 MHz
 4:-.00270 dB
470.000 MHz

17 Feb 2011 10:52:36

CH1 S21 LOG 10 dB/REF 0 dB 5:-77.765 dB 440.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5:-.21190 dB



CH1 Markers
 1:-65.832 dB
410.000 MHz
 2:-73.925 dB
430.000 MHz
 3:-98.287 dB
450.000 MHz
 4:-97.713 dB
470.000 MHz

CH2 Markers
 1:-1.4799 dB
410.000 MHz
 2:-1.3864 dB
430.000 MHz
 3:-.11340 dB
450.000 MHz
 4:-.00890 dB
470.000 MHz