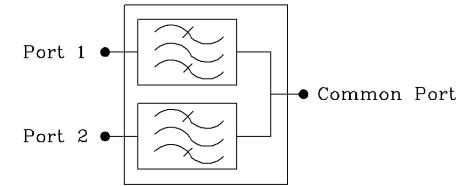
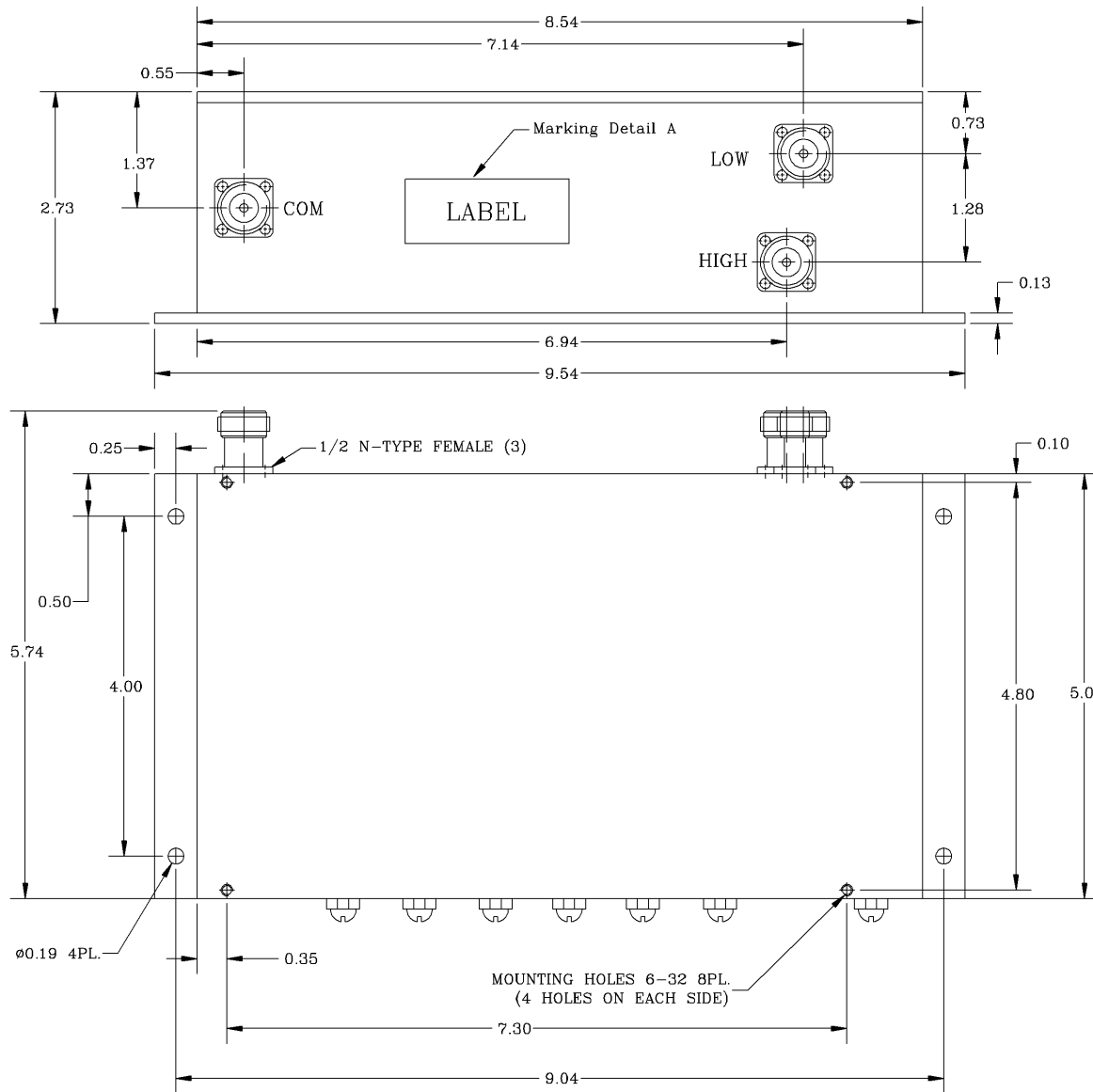


REVISIONS			
REV		DATE	APPROVED



Electrical Specifications

- *1dB Low Passband Frequency Range [MHz] : 412-418.5
- *1dB High Passband Frequency Range [MHz] : 420-429
- *Pass Band Insertion Loss @ Fo [dB] : < 1.0
- *Pass Band Ripple [dB] : < 0.5 P-T-P
- *Low Attenuation DC to 300 MHz [dB] : 40 (Min.), 50 (Typ.)
- 420 to 429 MHz [dB] : 22 (Min.), 25 (Typ.)
- *High Attenuation DC to 418.5 MHz [dB] : 22 (Min.), 25 (Typ.)
- *Isolation between Filters [dB] : 22 (Min.), 25 (Typ.)
- *Pass Band Return Loss [dB] : -17 (Max.), <1.33:1
- *Input/Output Impedance : 50 ohm
- *RF Power Capability CW : 10 Watts
- *Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -20°C TO +60°C

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:

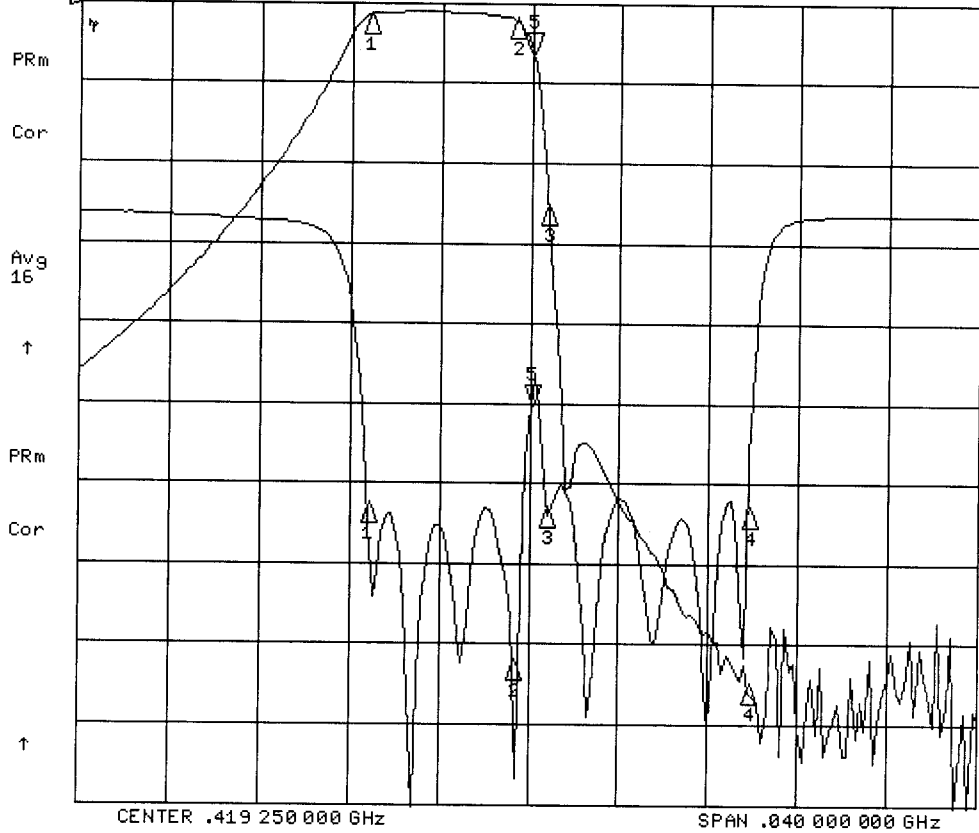
1. BREAK ALL CORNERS & EDGES.005/.010.
2. FINAL FINISH:
EPOXY GRAY - OPTIONAL

DIMENSIONS ARE IN INCHES TOLERANCES ARE		CONTRACT NO:		G-Way Microwave			
ANGLES	DECIMALS	APPROVALS	DATE				
± 1°	.X ± .05 .XX ± .01 .XXX ± .003	DRAWN Sivak	09/09	CD419/9SK-F3		REV. A	
TREATMENT	CHECKED	DESIGN ACTIVITY		SIZE	CAGE CODE	DWG NO:	
FINISH 63	ENG.			A	3K1H4	CD419/9SK-F3-1	
MATERIAL AL6061-T6				SCALE	None	SHEET 1 OF 1	

CD419/95K-F3

10 Sep 2009 10:40:41

CH1 S21 LOG 10 dB/REF 0 dB 5:-6.3680 dB .419 250 000 GHz
CH2 S11 LOG 5 dB/REF -17 dB 5:-12.148 dB



CH1 Markers

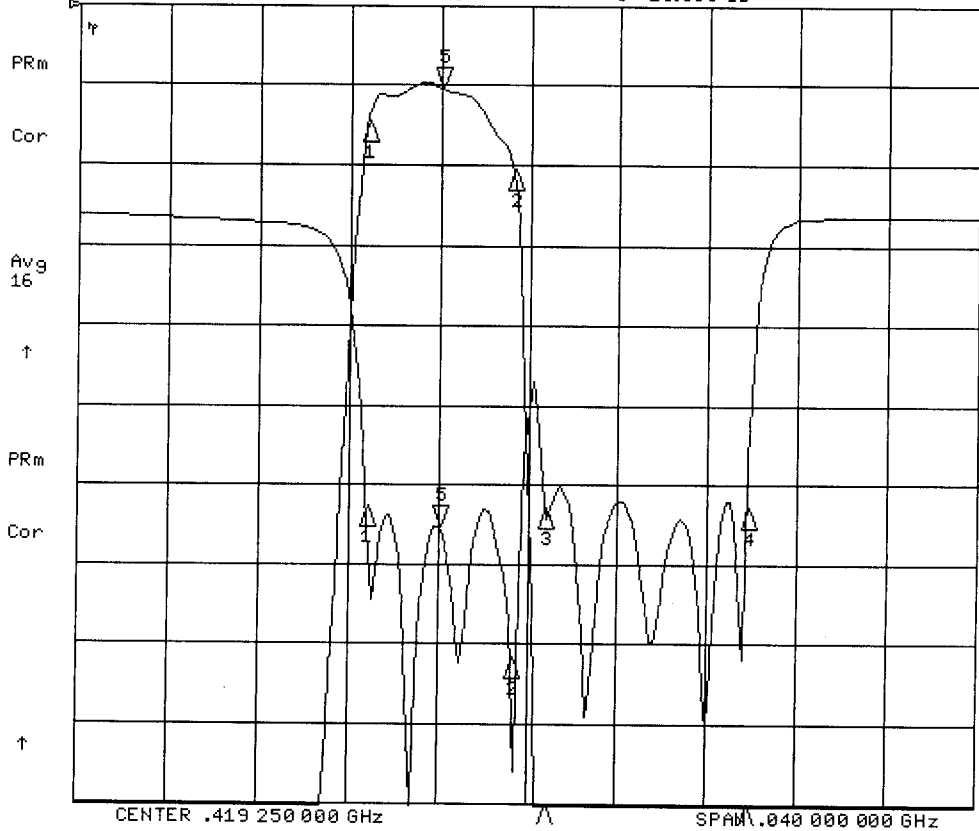
1:-1.4740 dB
412.000 MHz
2:-2.0810 dB
418.500 MHz
3:-25.365 dB
420.000 MHz
4:-85.053 dB
429.000 MHz

CH2 Markers

1:-18.335 dB
412.000 MHz
2:-27.967 dB
418.500 MHz
3:-18.506 dB
420.000 MHz
4:-18.510 dB
429.000 MHz

10 Sep 2009 10:40:52

CH1 S21 LOG 1 dB/REF 0 dB 5:-1.0470 dB .415 250 000 GHz
CH2 S11 LOG 5 dB/REF -17 dB 5:-19.639 dB



CH1 Markers

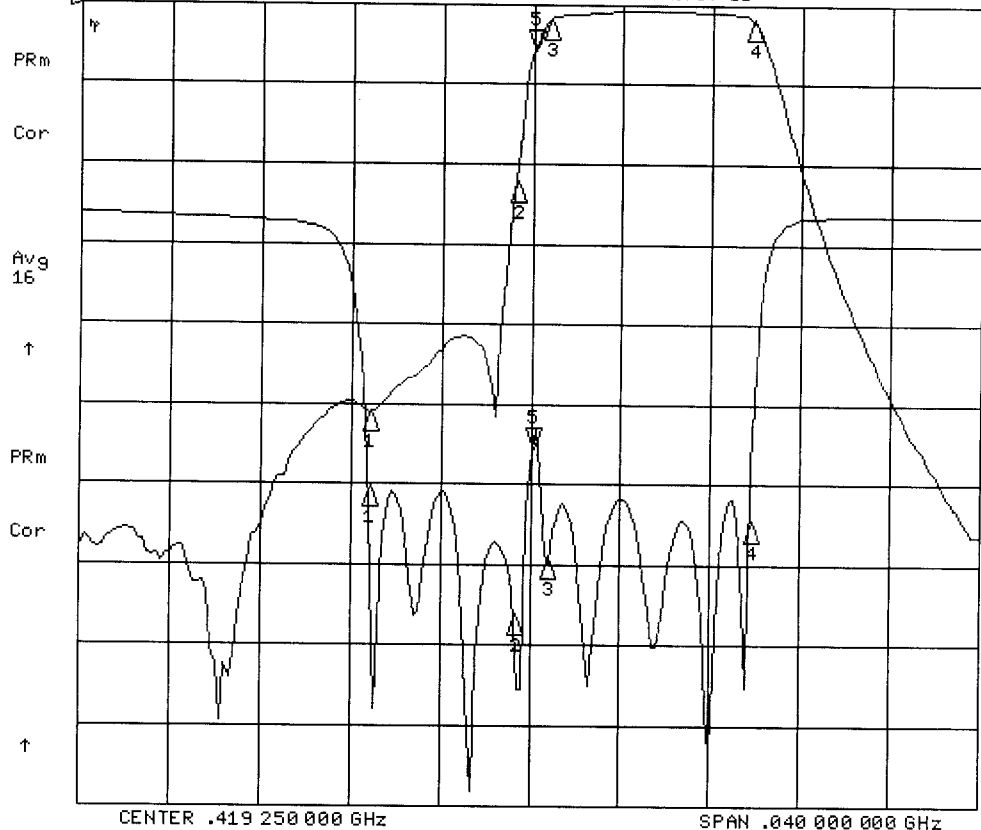
1:-1.4710 dB
412.000 MHz
2:-2.0830 dB
418.500 MHz
3:-25.520 dB
420.000 MHz
4:-84.856 dB
429.000 MHz

CH2 Markers

1:-18.408 dB
412.000 MHz
2:-27.933 dB
418.500 MHz
3:-18.543 dB
420.000 MHz
4:-18.581 dB
429.000 MHz

10 Sep 2009 10:30:55

CH1 S21 LOG 10 dB/REF 0 dB 5:-5.7870 dB .419 250 000 GHz
CH2 S11 LOG 5 dB/REF -17 dB 5:-14.797 dB



CH1 Markers

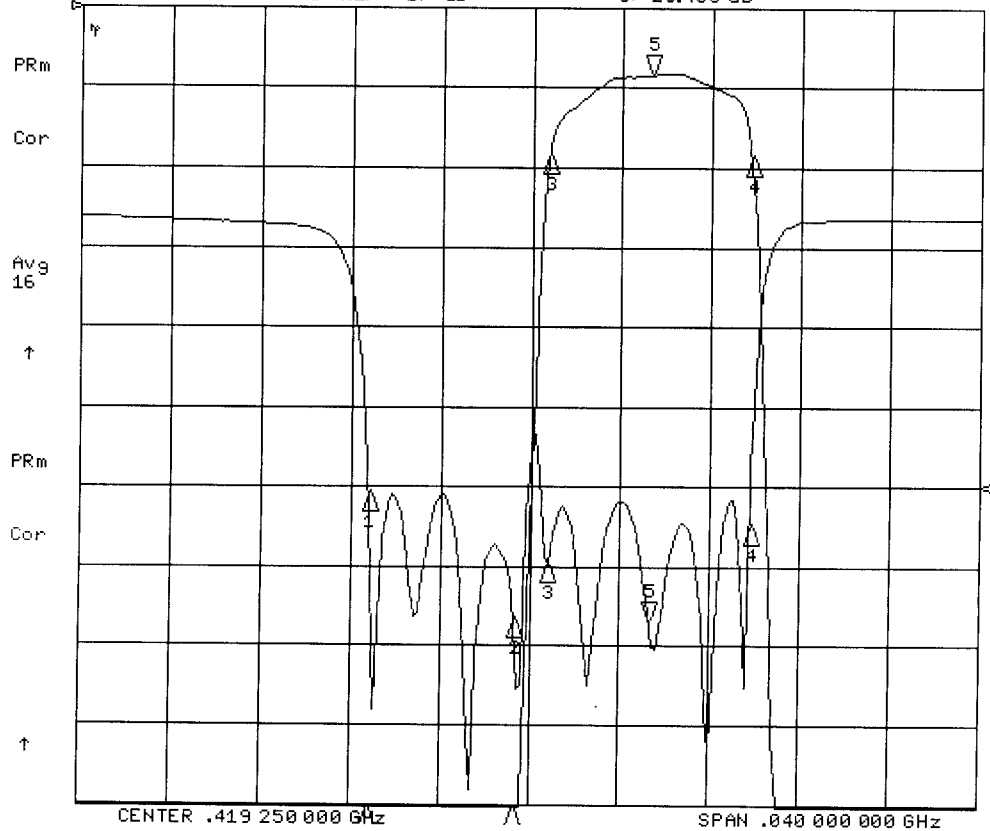
- 1:-50.920 dB
412.000 MHz
- 2:-22.310 dB
418.500 MHz
- 3:-1.8350 dB
420.000 MHz
- 4:-1.8470 dB
429.000 MHz

CH2 Markers

- 1:-17.287 dB
412.000 MHz
- 2:-25.181 dB
418.500 MHz
- 3:-21.696 dB
420.000 MHz
- 4:-19.305 dB
429.000 MHz

10 Sep 2009 10:31:03

CH1 S21 LOG 1 dB/REF 0 dB 5:-.84200 dB .424 500 000 GHz
CH2 S11 LOG 5 dB/REF -17 dB 5:-25.456 dB



CH1 Markers

- 1:-50.917 dB
412.000 MHz
- 2:-22.311 dB
418.500 MHz
- 3:-1.8330 dB
420.000 MHz
- 4:-1.8480 dB
429.000 MHz

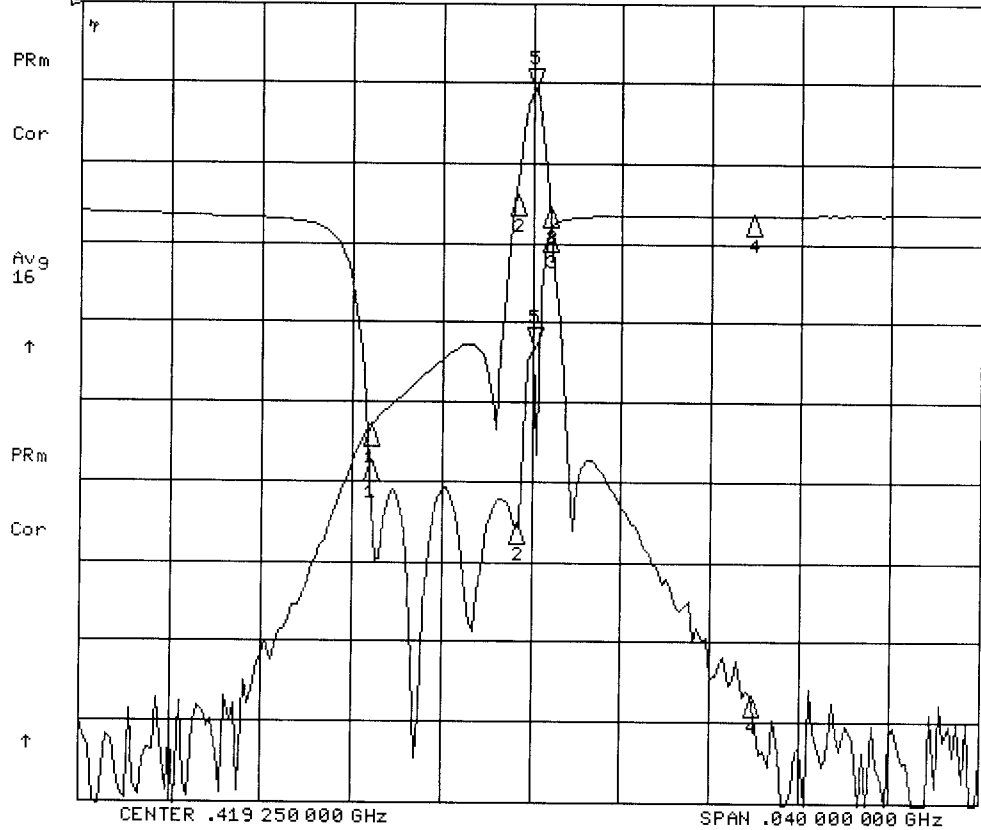
CH2 Markers

- 1:-17.314 dB
412.000 MHz
- 2:-25.286 dB
418.500 MHz
- 3:-21.740 dB
420.000 MHz
- 4:-19.343 dB
429.000 MHz

10 Sep 2009 10:31:28

CH1 S21 LOG 10 dB/REF 0 dB
CH2 S11 LOG 5 dB/REF -17 dB

5: -10.795 dB .419 250 000 GHz
5: -8.6320 dB



CH1 Markers

- 1: -53.230 dB
412.000 MHz
- 2: -23.966 dB
418.500 MHz
- 3: -25.606 dB
420.000 MHz
- 4: -86.919 dB
429.000 MHz

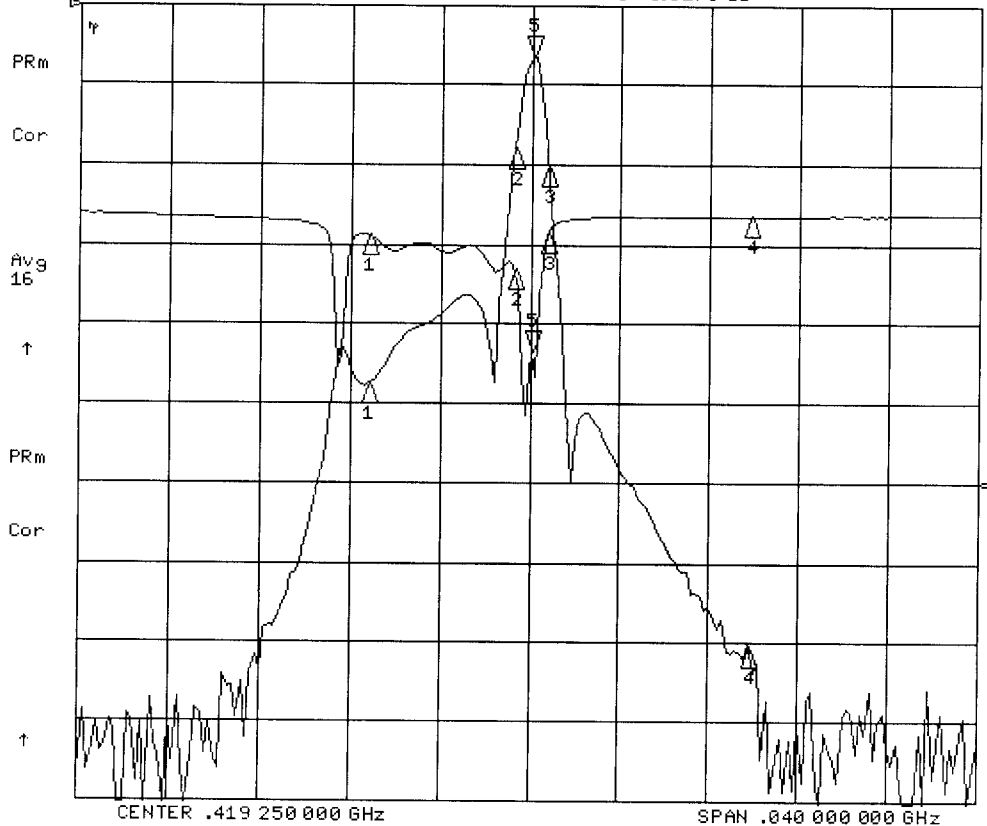
CH2 Markers

- 1: -15.723 dB
412.000 MHz
- 2: -19.597 dB
418.500 MHz
- 3: -1.2920 dB
420.000 MHz
- 4: -.20300 dB
429.000 MHz

10 Sep 2009 10:31:36

CH1 S21 LOG 10 dB/REF 0 dB
CH2 S11 LOG 5 dB/REF -17 dB

5: -6.5760 dB .419 250 000 GHz
5: -8.8170 dB



CH1 Markers

- 1: -47.612 dB
412.000 MHz
- 2: -18.178 dB
418.500 MHz
- 3: -20.266 dB
420.000 MHz
- 4: -80.660 dB
429.000 MHz

CH2 Markers

- 1: -1.4000 dB
412.000 MHz
- 2: -3.6400 dB
418.500 MHz
- 3: -1.3170 dB
420.000 MHz
- 4: -.21200 dB
429.000 MHz