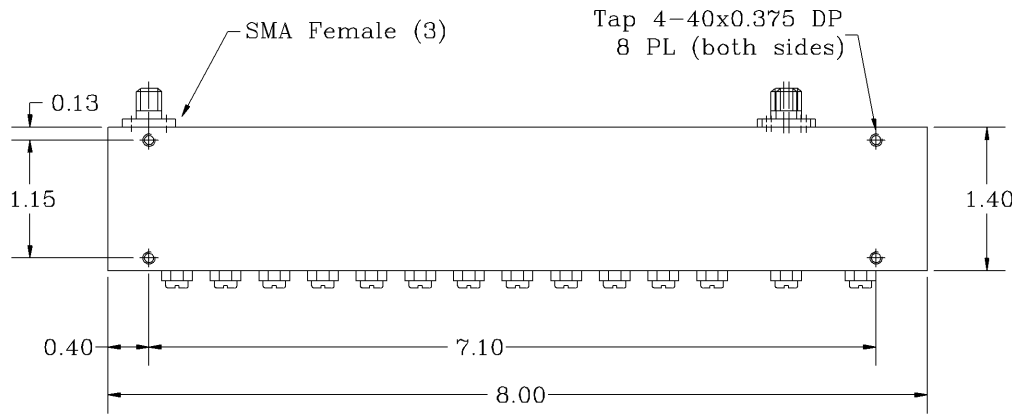
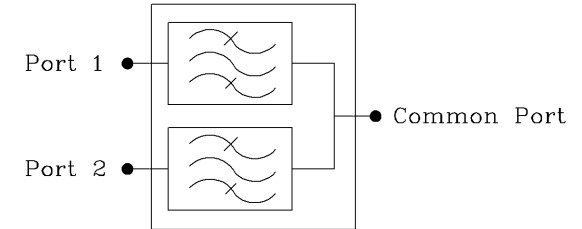


REVISIONS			
REV		DATE	APPROVED



Electrical Specifications

- *RX Pass Band Range [MHz] : 2000 to 2300
- *Pass Band Insertion Loss (Including Ripple) [dB] : < 0.3, 0.4 (Typ.)
- *TX Pass Band Range [MHz] : 1240 to 1300
- *Pass Band Insertion Loss (Including Ripple) [dB] : < 0.7, 0.6 (Typ.)
- *Pass Band Ripple [dB] : < 0.4 P-T-P
- *RX Rejection DC to 1160 MHz [dB] : 65 (Min.)
- 1240 to 1300 MHz [dB] : 100 (Min.), 115 (Typ.)
- 1420 to 5480 MHz [dB] : 65 (Min.)
- *TX Rejection DC to 1160 MHz [dB] : 65 (Min.)
- 2000 to 2300 MHz [dB] : 100 (Min.), 115 (Typ.)
- 2400 to 5480 MHz [dB] : 65 (Min.)
- *Isolation Between Filters [dB] : 100 (Min.), 115 (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: -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:

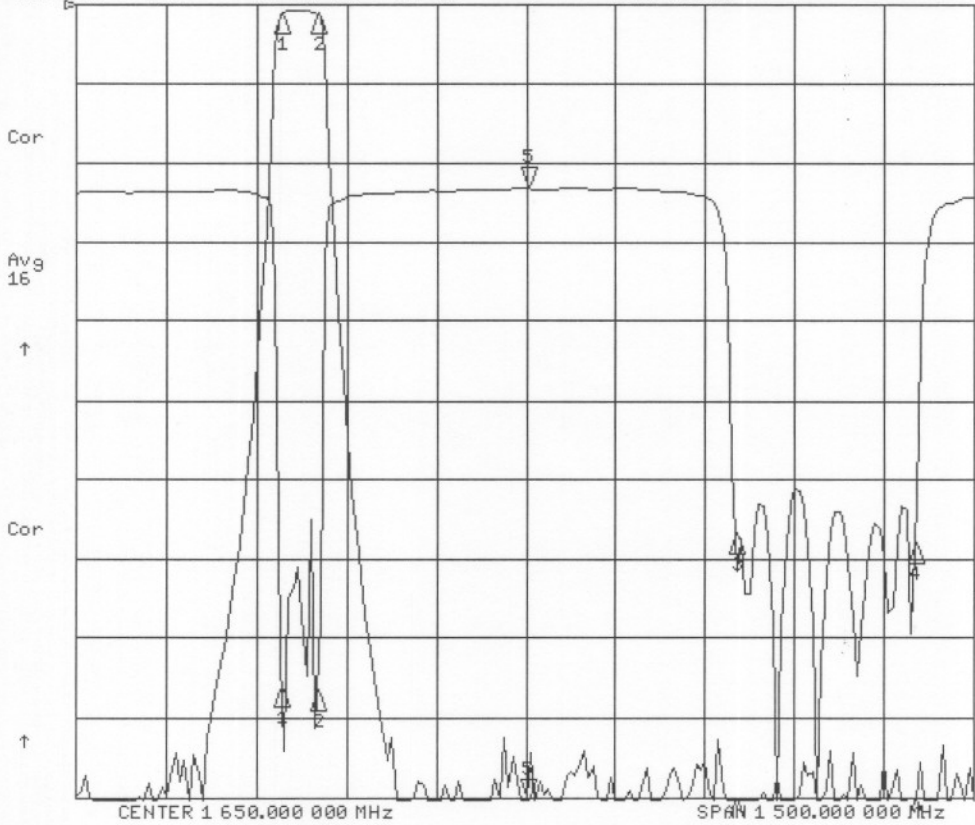
1. BREAK ALL CORNERS & EDGES.005/.010.
2. FINAL FINISH:
EPOXY GRAY - OPTIONAL

DIMENSIONS ARE IN INCHES TOLERANCES ARE		CONTRACT NO:		G-Way Microwave					
ANGLES	DECIMALS	APPROVALS	DATE					TITLE	
± 1°	X ± .05 XX ± .01 XXX ± .003	DRAWN Sivak	02/07	Diplexer GSP 1600		SIZE	CAGE CODE	DWG NO:	REV.
TREATMENT	CHECKED	ENG.	DESIGN ACTIVITY	CD1650/300SK-E		A	3K1H4	CD1650/300SK-E-1	0
FINISH 63/				SCALE None					SHEET 1 OF 1
MATERIAL AL6061-T6									

CD1650/300SK-E

2 Mar 2007 12:36:00

CH1 S21 LOG 10 dB/REF 0 dB 5:-103.77 dB 1 650.000 000 MHz
 CH2 S11 LOG 5 dB/REF -18 dB 5: .37710 dB



CH1 Markers

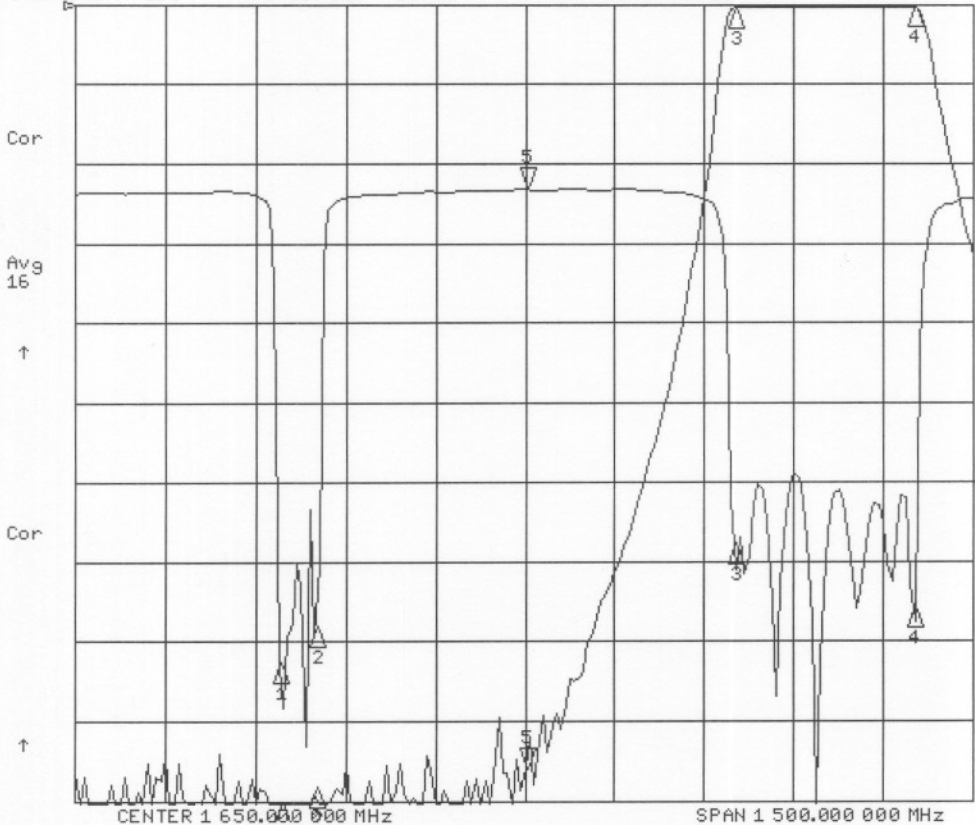
- 1:-1.2221 dB
1.24000 GHz
- 2:-1.2019 dB
1.30000 GHz
- 3:-110.13 dB
2.00000 GHz
- 4:-103.36 dB
2.30000 GHz

CH2 Markers

- 1:-31.135 dB
1.24000 GHz
- 2:-31.351 dB
1.30000 GHz
- 3:-21.497 dB
2.00000 GHz
- 4:-22.043 dB
2.30000 GHz

2 Mar 2007 12:36:34

CH1 S21 LOG 10 dB/REF 0 dB 5:-96.028 dB 1 650.000 000 MHz
 CH2 S11 LOG 5 dB/REF -18 dB 5: .38620 dB



CH1 Markers

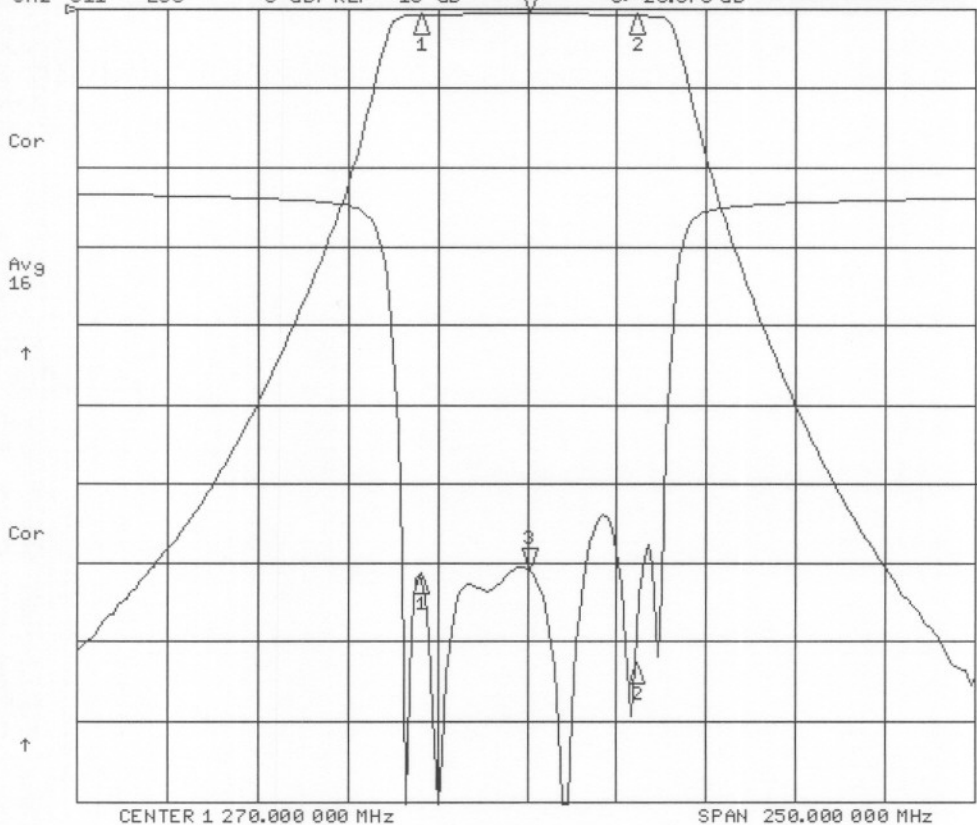
- 1:-109.57 dB
1.24000 GHz
- 2:-101.15 dB
1.30000 GHz
- 3:-43.450 dB
2.00000 GHz
- 4:-34.520 dB
2.30000 GHz

CH2 Markers

- 1:-29.377 dB
1.24000 GHz
- 2:-27.096 dB
1.30000 GHz
- 3:-21.970 dB
2.00000 GHz
- 4:-25.926 dB
2.30000 GHz

2 Mar 2007 12:13:56

CH1 S21 LOG 10 dB/REF 0 dB 3: -59.230 dB 1 270.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 3: -23.373 dB



CH1 Markers

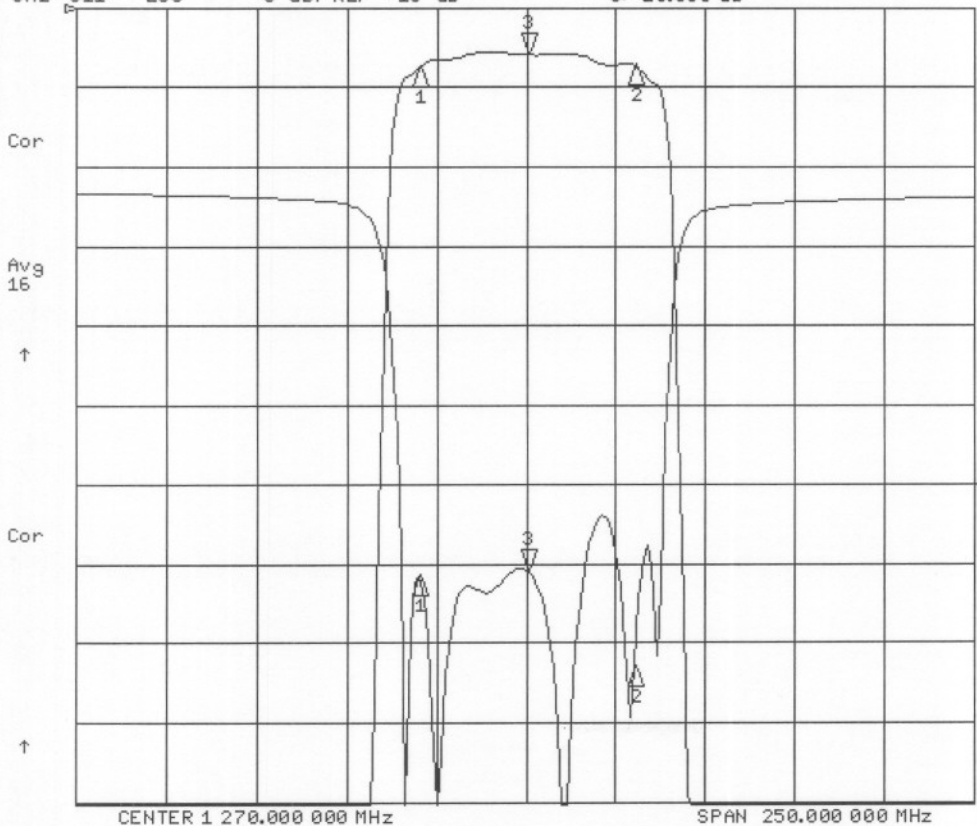
1: -75.220 dB
1.24000 GHz
2: -72.890 dB
1.30000 GHz

CH2 Markers

1: -23.771 dB
1.24000 GHz
2: -29.462 dB
1.30000 GHz

2 Mar 2007 12:14:00

CH1 S21 LOG 1 dB/REF 0 dB 3: -59.180 dB 1 270.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 3: -23.385 dB



CH1 Markers

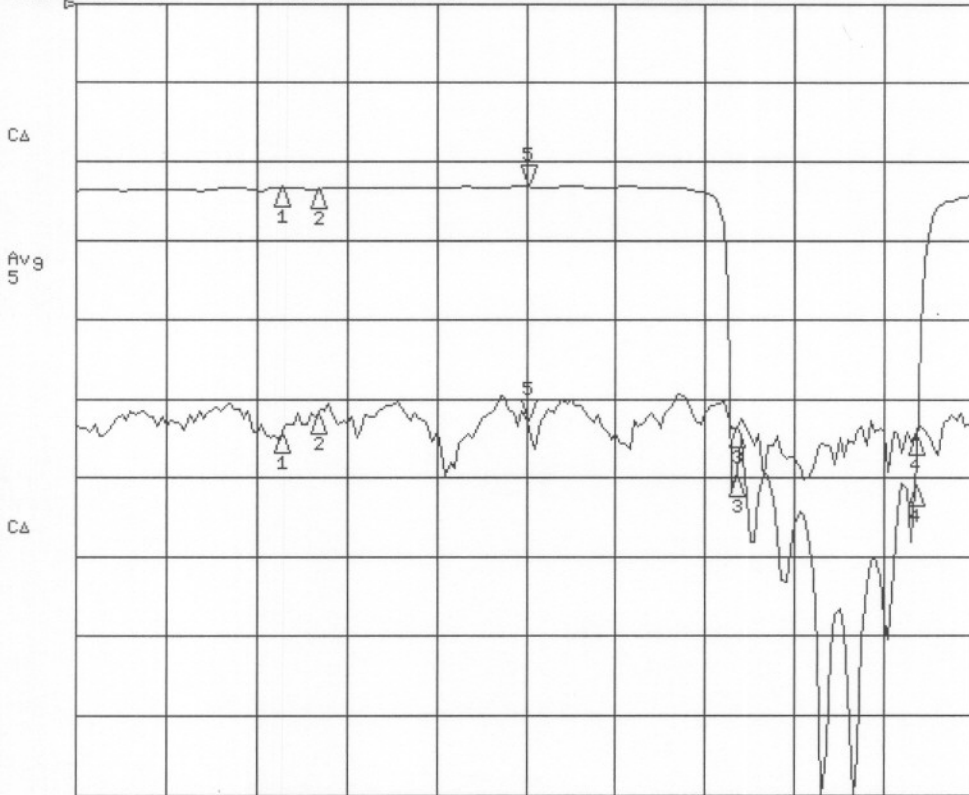
1: -75.210 dB
1.24000 GHz
2: -72.950 dB
1.30000 GHz

CH2 Markers

1: -23.761 dB
1.24000 GHz
2: -29.523 dB
1.30000 GHz

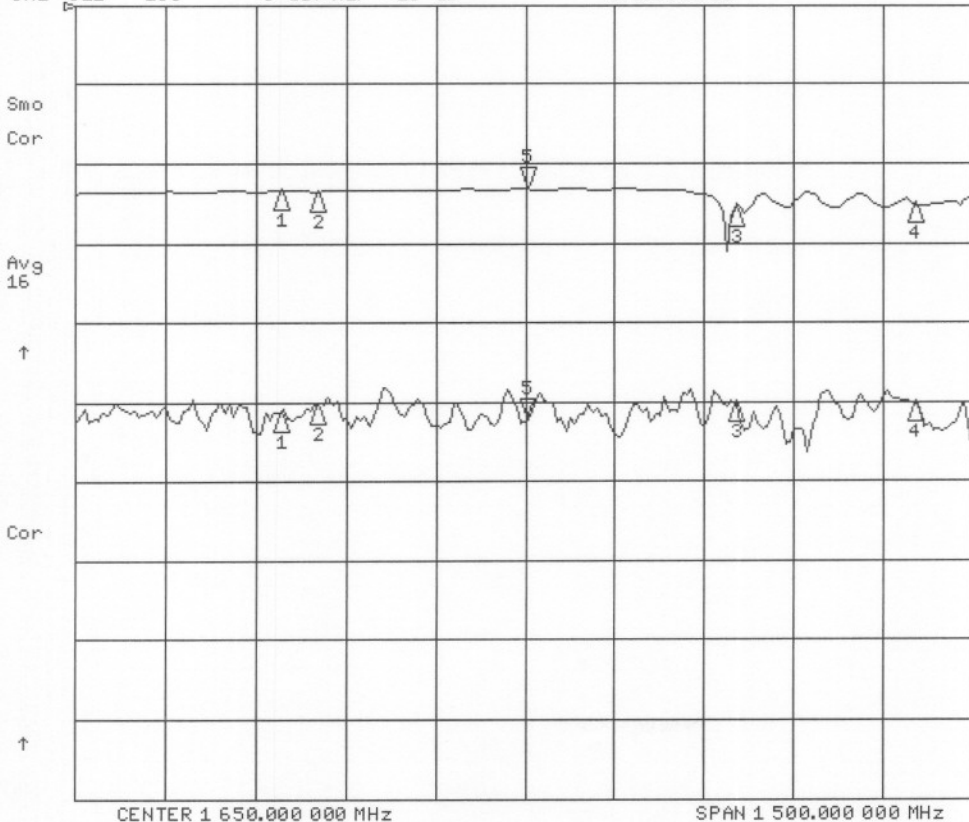
2 Mar 2007 12:22:17

CH1 S21 LOG 20 dB/REF 0 dB 5:-105.60 dB 1 650.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5: .37660 dB



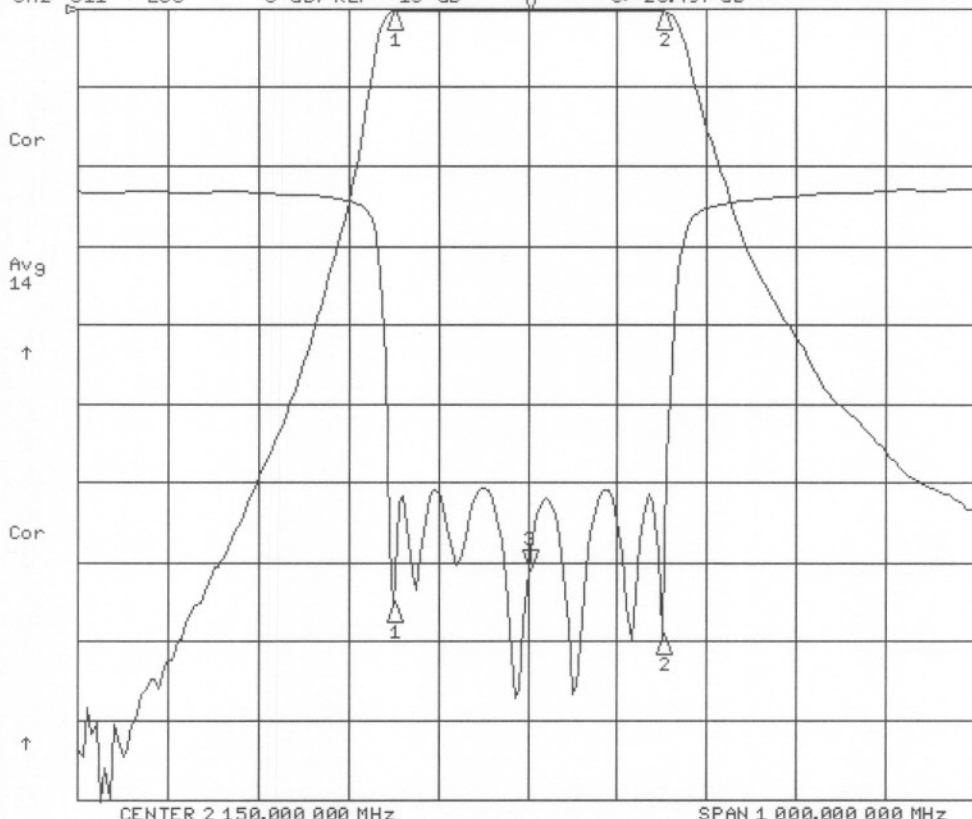
2 Mar 2007 12:22:33

CH1 S21 LOG 20 dB/REF 0 dB 5:-104.50 dB 1 650.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 5: .39060 dB



2 Mar 2007 12:13:09

CH1 S21 LOG 10 dB/REF 0 dB 3: -19210 dB 2 150.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 3: -23.497 dB



CH1 Markers

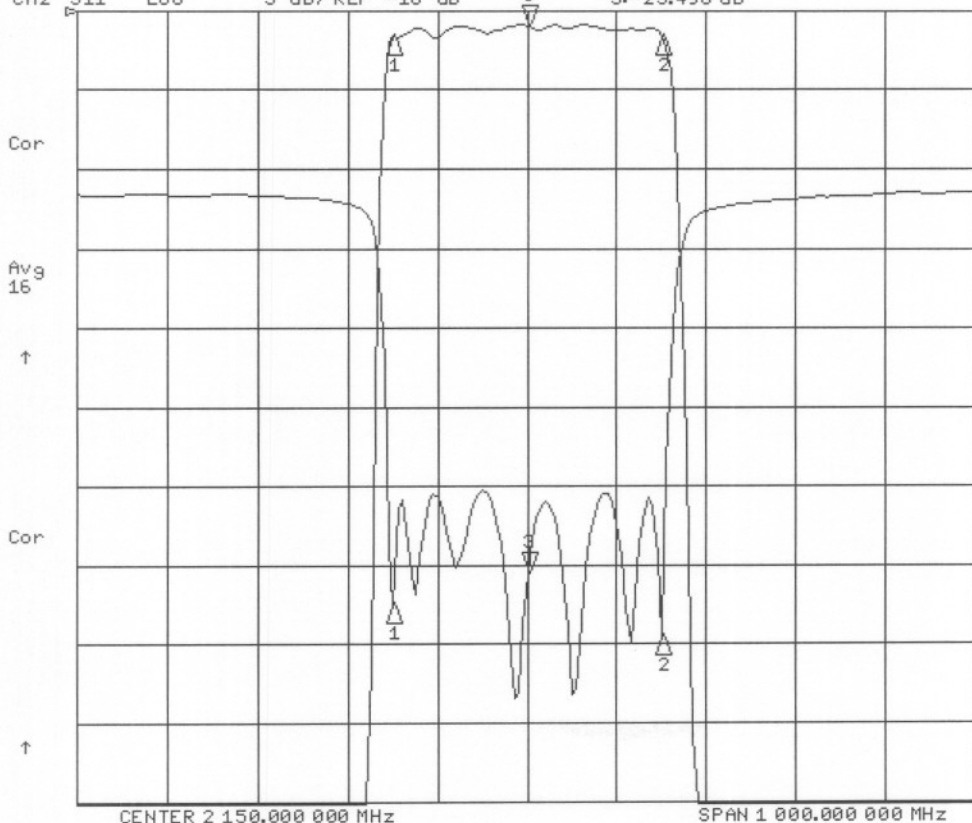
1: -33020 dB
2.00000 GHz
2: -31730 dB
2.30000 GHz

CH2 Markers

1: -25.586 dB
2.00000 GHz
2: -27.572 dB
2.30000 GHz

2 Mar 2007 12:13:14

CH1 S21 LOG 1 dB/REF 0 dB 3: -19170 dB 2 150.000 000 MHz
CH2 S11 LOG 5 dB/REF -18 dB 3: -23.496 dB



CH1 Markers

1: -32970 dB
2.00000 GHz
2: -31770 dB
2.30000 GHz

CH2 Markers

1: -25.487 dB
2.00000 GHz
2: -27.500 dB
2.30000 GHz