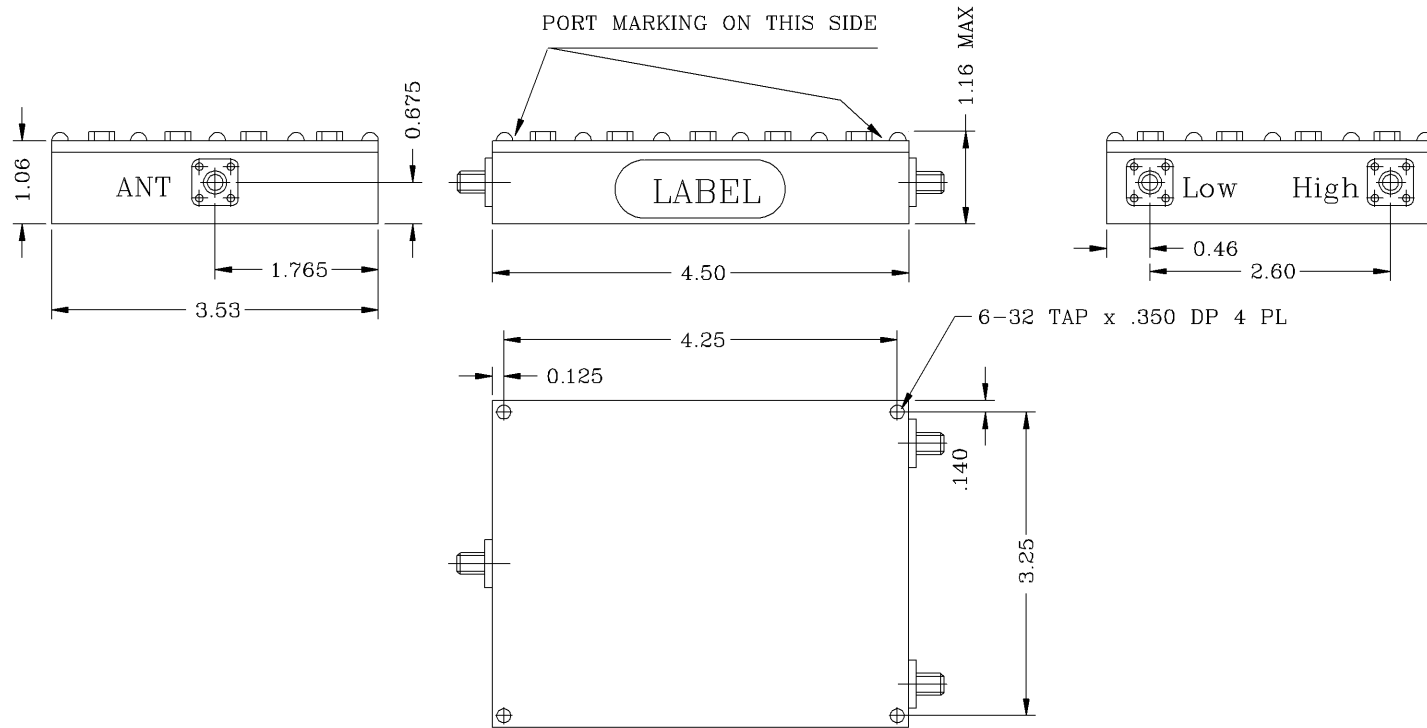


REVISIONS			
REV		DATE	APPROVED



This Product Complies with RoHS Standards.

Electrical Specifications

- *Low Pass Band Frequency Range [MHz] : 3450 to 3500
- *High Pass Band Frequency Range [MHz] : 3550 to 3600
- *Pass Band Insertion Loss [dB] : <1.0, 0.8 (Typ.)
- *Pass Band Ripple [dB] : <0.4 P-T-P
- *Rejection @ $F_o \pm 125$ MHz [dB] : 50 (Typ.)
 - @ $F_o - 500$ MHz [dB] : 80 (Typ.)
 - @ $F_o \pm 45$ MHz [dB] : 40 (Typ.)
 - @ 3700 to 13 GHz [dB] : 40 (Typ.)
- *Isolation between Filters [dB] : 60 (Min.), 70 (Typ.)
- *Input/Output Impedance : 50 ohm
- *Pass Band Return Loss [dB] : -18 (Max), <1.28:1
- *RF Power Capability CW : 20 Watts
- *Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE -40°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.

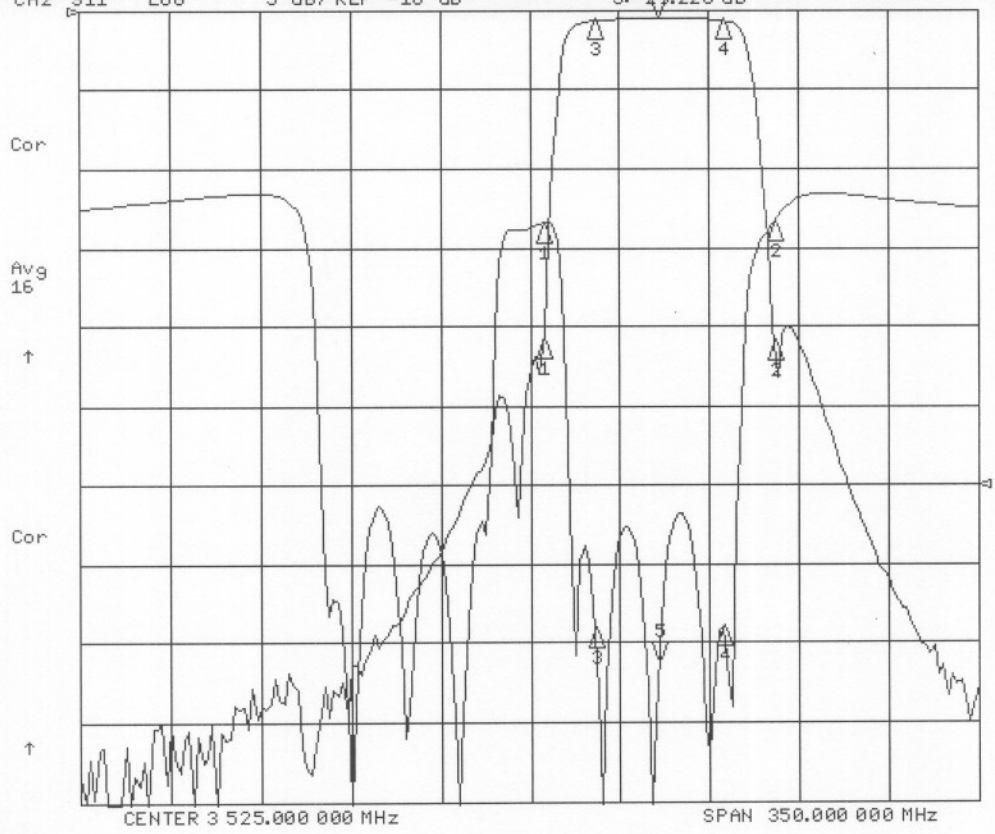
NOTES:

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		
± 1°	.X ± .05 .XX ± .01 .XXX ± .003	DRAWN	05/07	TITLE Diplexer WiMAX 3475/3575 MHz CD3525/50SK-C4	
TREATMENT	CHECKED	ENG.		SIZE	CAGE CODE
FINISH	63/	DESIGN ACTIVITY		A	3K1H4
MATERIAL AL6061-T6				DWG NO:	REV.
				CD3525/50SK-C4-1	0
				SCALE	SHEET 1 OF 1

CD 3525/50 SK-C4

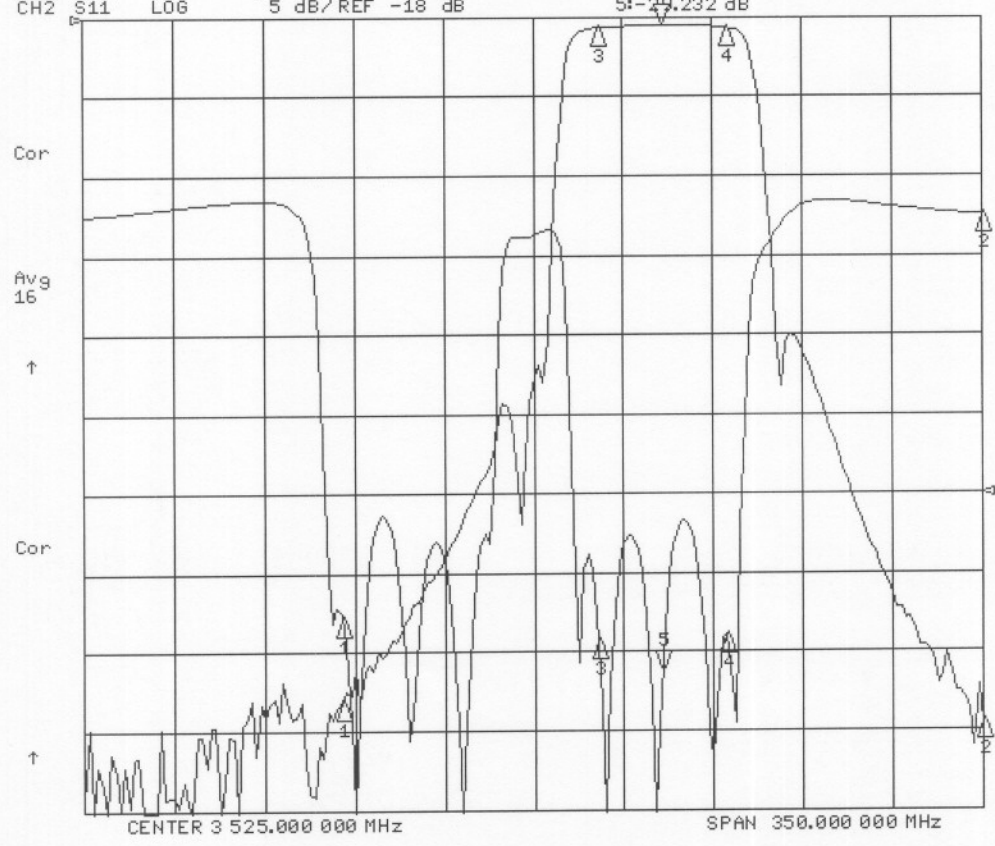
24 May 2007 10:26:24
 CH1 S21 LOG 10 dB/REF 0 dB 5:-41.5060 dB 3 575.000 000 MHz
 CH2 S11 LOG 5 dB/REF -18 dB 5:-27.228 dB



CH1 Markers
 1:-41.520 dB
 3.53000 GHz
 2:-41.788 dB
 3.62000 GHz
 3:-1.2930 dB
 3.55000 GHz
 4:-1.2724 dB
 3.60000 GHz

CH2 Markers
 1:-1.4505 dB
 3.53000 GHz
 2:-1.3855 dB
 3.62000 GHz
 3:-27.146 dB
 3.55000 GHz
 4:-26.988 dB
 3.60000 GHz

24 May 2007 10:27:23
 CH1 S21 LOG 10 dB/REF 0 dB 5:-86.5650 dB 3 575.000 000 MHz
 CH2 S11 LOG 5 dB/REF -18 dB 5:-27.232 dB

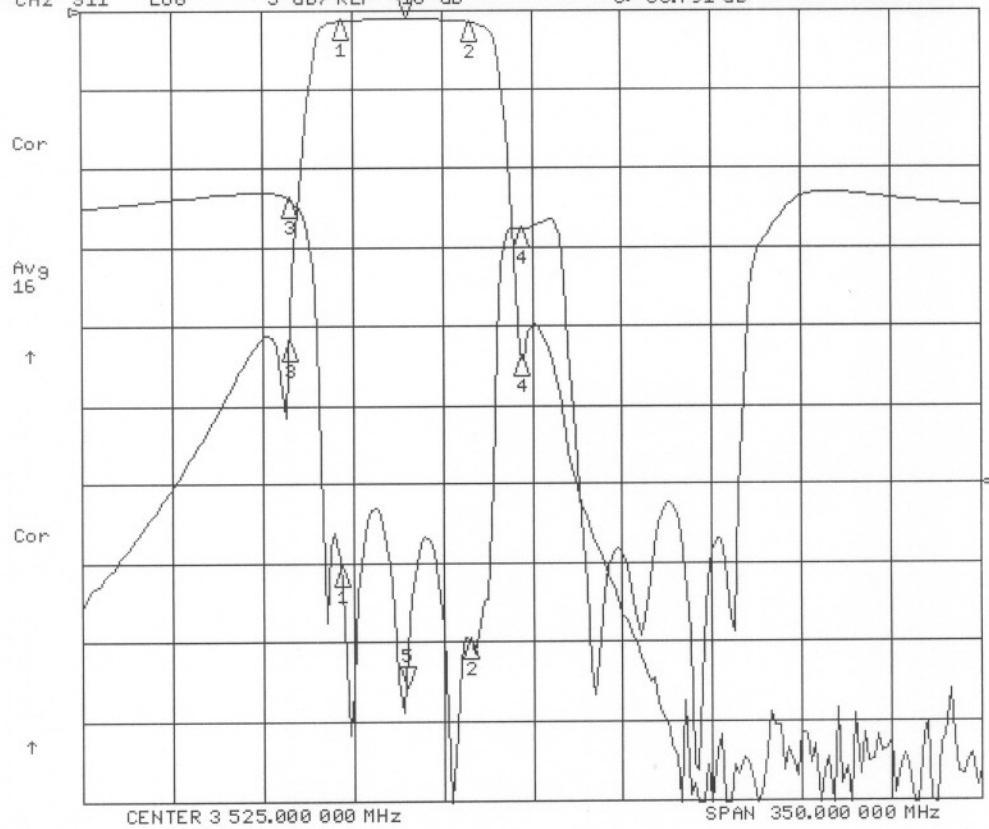


CH1 Markers
 1:-86.207 dB
 3.45000 GHz
 2:-88.761 dB
 3.70000 GHz
 3:-1.3007 dB
 3.55000 GHz
 4:-1.2783 dB
 3.60000 GHz

CH2 Markers
 1:-25.811 dB
 3.45000 GHz
 2:-41.370 dB
 3.70000 GHz
 3:-27.221 dB
 3.55000 GHz
 4:-26.856 dB
 3.60000 GHz

24 May 2007 10:22:44

CH1 S21 LOG 10 dB/REF 0 dB 5: -99090 dB 3 475.000 000 MHz
CH2 S11 LOG 5 dB/REF 3 dB 5: -30.791 dB



CH1 Markers

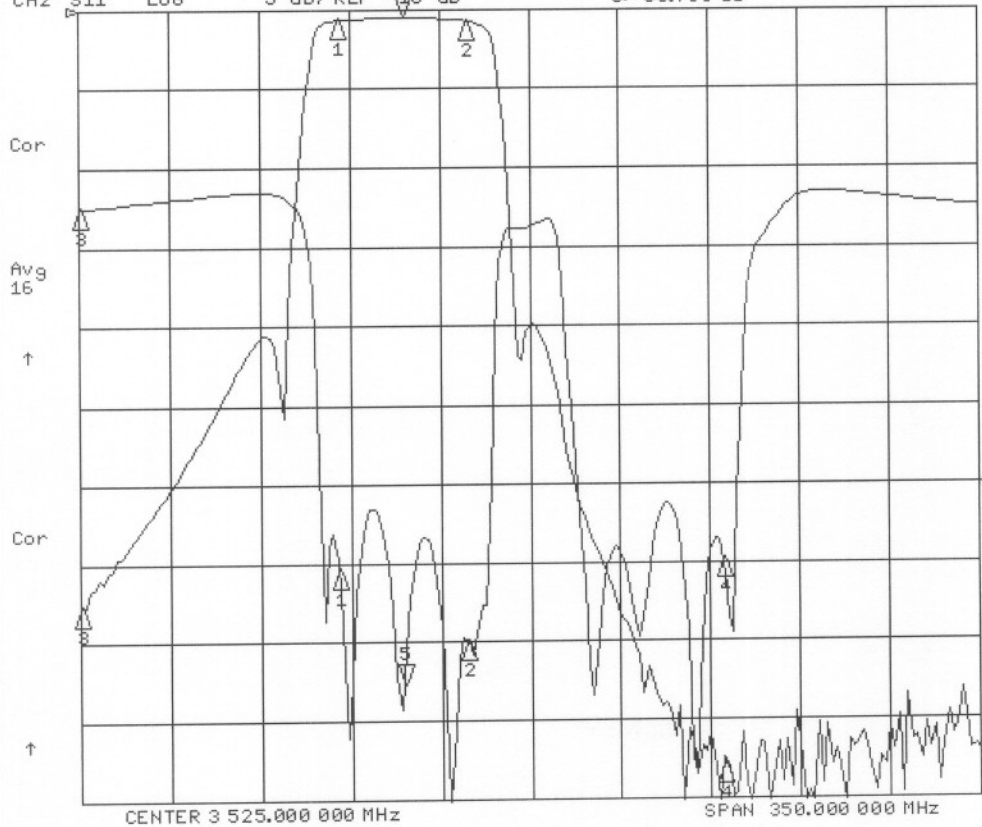
1: -1.3091 dB
3.45000 GHz
2: -1.3647 dB
3.50000 GHz
3: -42.009 dB
3.43000 GHz
4: -43.782 dB
3.52000 GHz

CH2 Markers

1: -23.292 dB
3.45000 GHz
2: -27.811 dB
3.50000 GHz
3: -0.2680 dB
3.43000 GHz
4: -1.8251 dB
3.52000 GHz

24 May 2007 10:23:39

CH1 S21 LOG 10 dB/REF 0 dB 5: -99350 dB 3 475.000 000 MHz
CH2 S11 LOG 5 dB/REF 3 dB 5: -30.730 dB



CH1 Markers

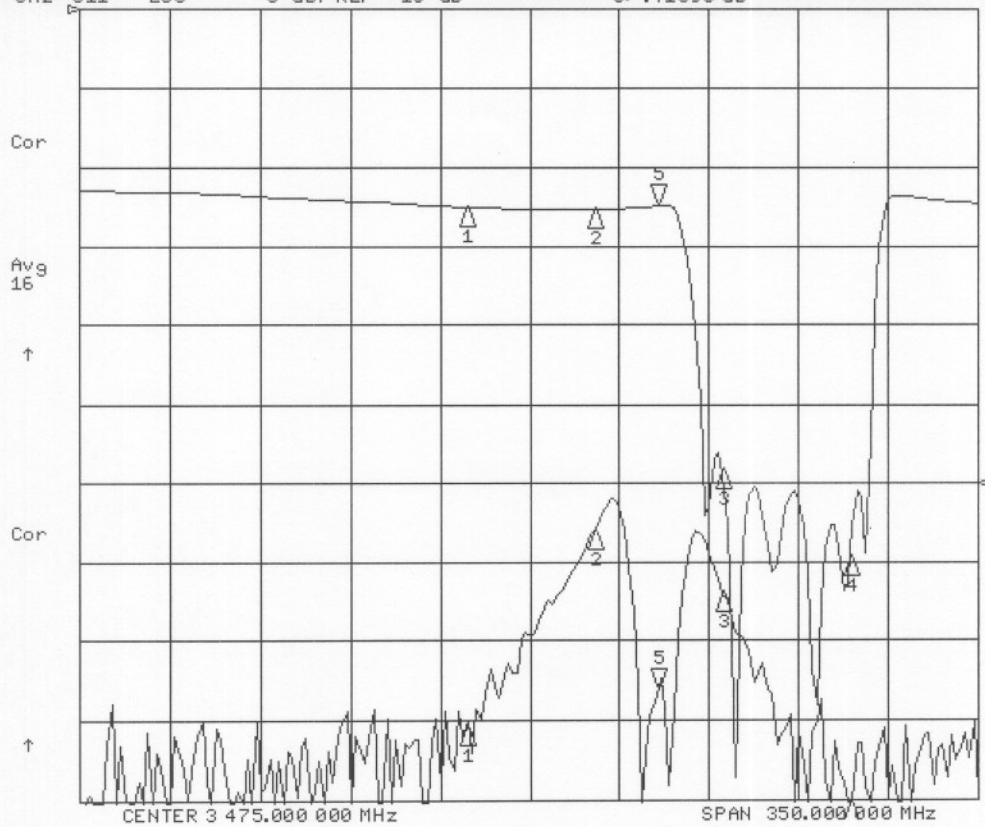
1: -1.3143 dB
3.45000 GHz
2: -1.3657 dB
3.50000 GHz
3: -75.443 dB
3.35000 GHz
4: -96.104 dB
3.60000 GHz

CH2 Markers

1: -23.385 dB
3.45000 GHz
2: -27.932 dB
3.50000 GHz
3: -55.160 dB
3.35000 GHz
4: -22.739 dB
3.60000 GHz

24 May 2007 13:49:25

CH1	S21	LOG	10 dB/REF 0 dB	5:-86.102 dB	3 525.000 000 MHz
CH2	S11	LOG	5 dB/REF -18 dB	5:-.41390 dB	



CH1 Markers

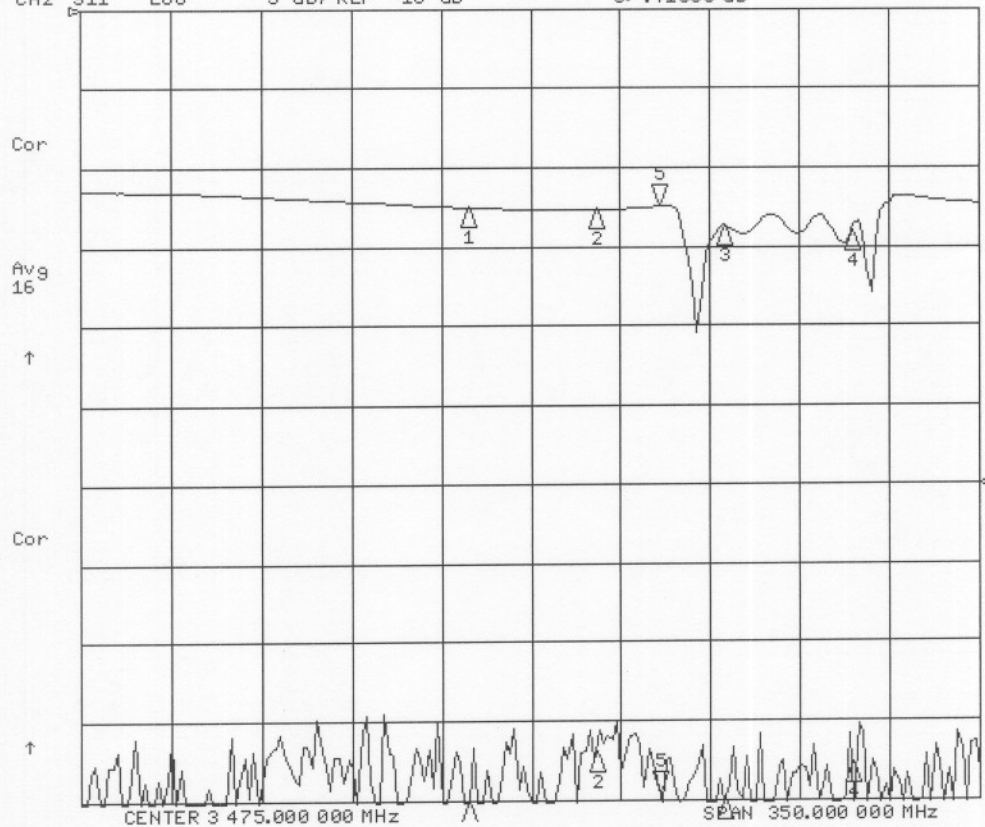
- 1:-90.611 dB
3.45000 GHz
- 2:-65.973 dB
3.50000 GHz
- 3:-73.929 dB
3.55000 GHz
- 4:-101.64 dB
3.60000 GHz

CH2 Markers

- 1:-.52180 dB
3.45000 GHz
- 2:-.63580 dB
3.50000 GHz
- 3:-17.162 dB
3.55000 GHz
- 4:-22.681 dB
3.60000 GHz

24 May 2007 13:49:42

CH1	S21	LOG	10 dB/REF 0 dB	5:-104.34 dB	3 525.000 000 MHz
CH2	S11	LOG	5 dB/REF -18 dB	5:-.41500 dB	



CH1 Markers

- 1:-107.38 dB
3.45000 GHz
- 2:-93.958 dB
3.50000 GHz
- 3:-101.20 dB
3.55000 GHz
- 4:-100.41 dB
3.60000 GHz

CH2 Markers

- 1:-.51690 dB
3.45000 GHz
- 2:-.63780 dB
3.50000 GHz
- 3:-1.6907 dB
3.55000 GHz
- 4:-2.0833 dB
3.60000 GHz