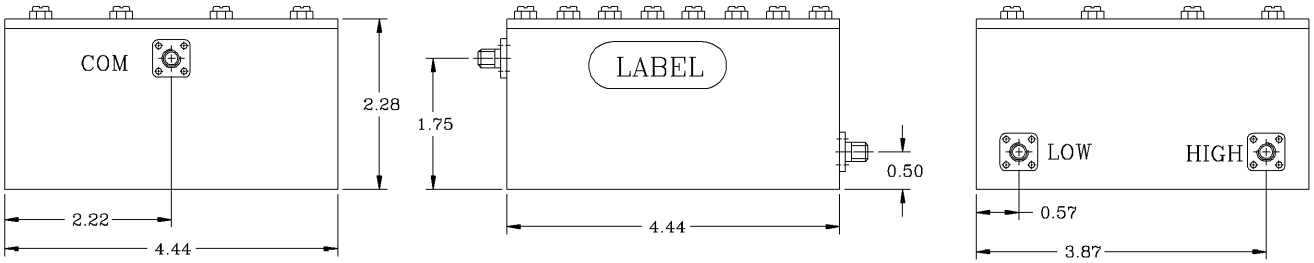
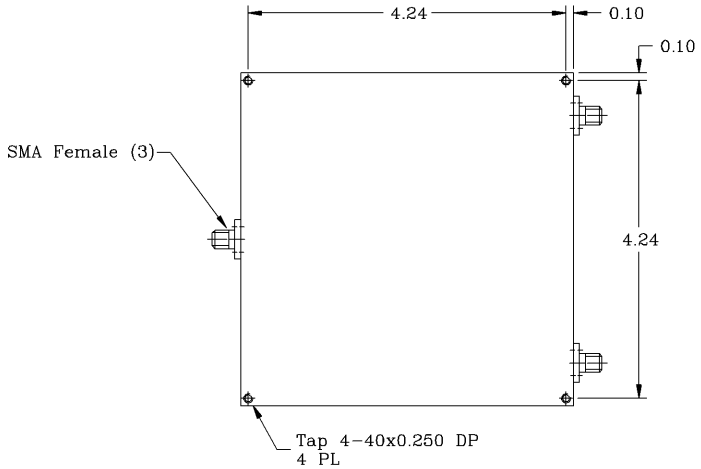
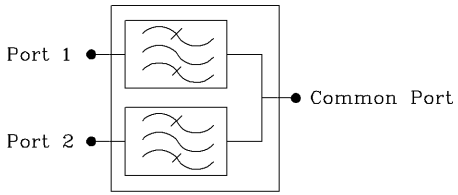
REVISIONS			
REV		DATE	APPROVED







Electrical Specifications

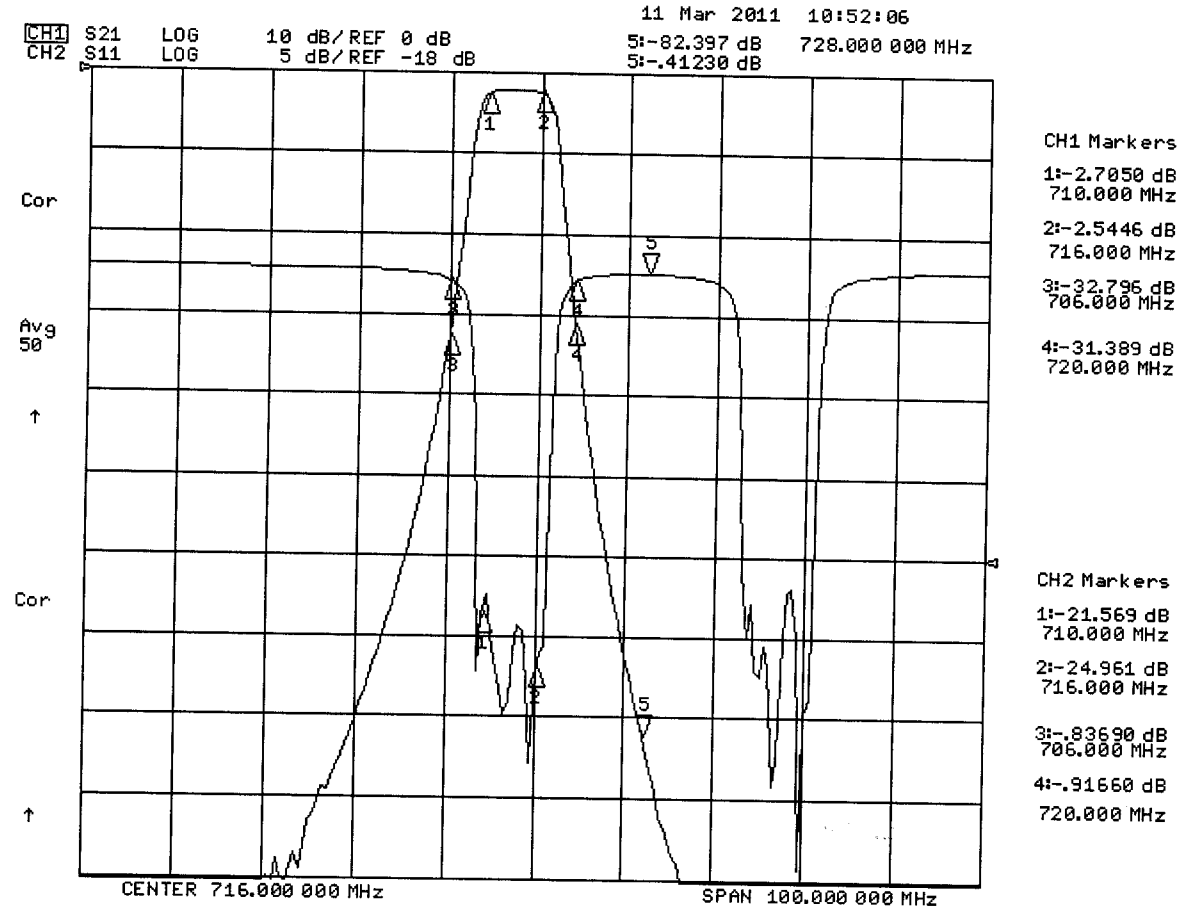
*Low Pass Band Range [MHz] : 710 to 716
*High Pass Band Range [MHz] : 740 to 746
*Pass Band Insertion Loss @ Fo [dB] : <2.2, 2.1 (Typ.)
*Pass Band Ripple [dB] : < 0.5 P-T-P
*Low Band Rejection @ 740 to 746 MHz [dB] : 98 (Min.), 100 (Typ.)
@ 706 & 720 MHz [dB] : 30 (Min.), 35 (Typ.)
*High Band Rejection @ 710 to 716 MHz [dB] : 98 (Min.), 100 (Typ.)
@ 736 & 750 MHz [dB] : 30 (Min.), 35 (Typ.)
*Isolation between Filters [dB] : 98 (Min.), 100 (Typ.)
*Pass Band Return Loss [dB] : -18 (Max.), <1.28:1
*Input/Output Impedance : 50 ohm
*RF Power Capability CW : 20 Watts
*Input/Output @ DC Ground Potential
OPERATING TEMPERATURE RANGE: -30°C TO +75°C

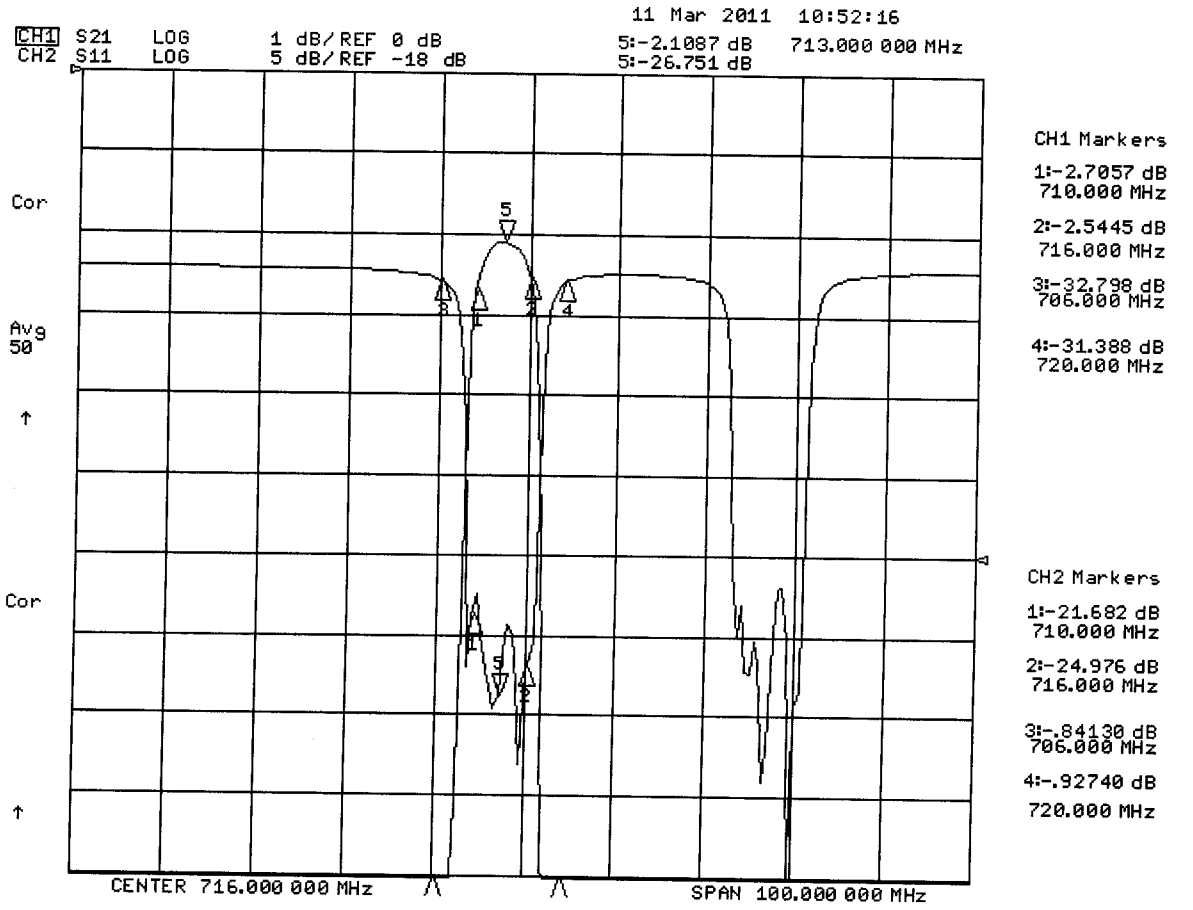
NOTES:

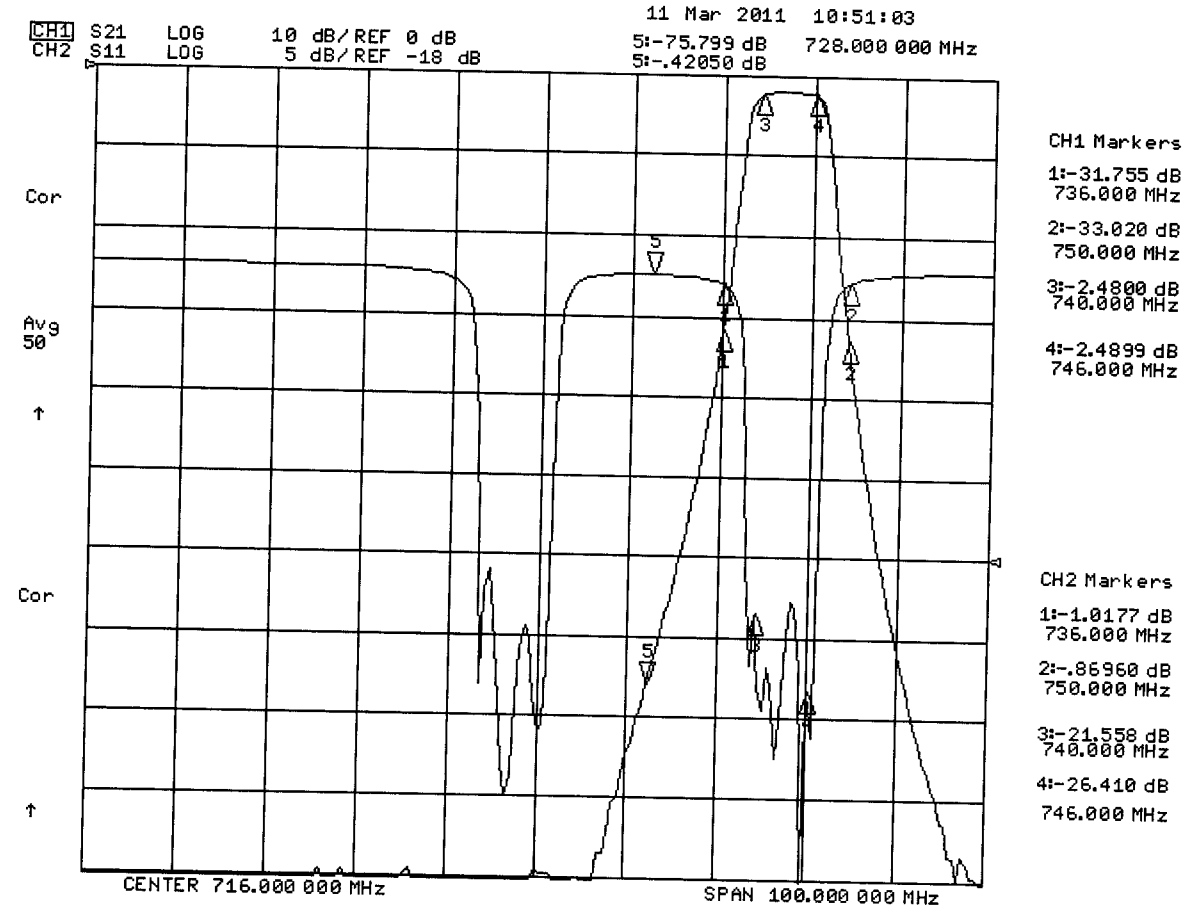
1. BREAK ALL CORNERS & EDGES.005/.010.
2. FINAL FINISH:
   EPOXY GRAY - OPTIONAL

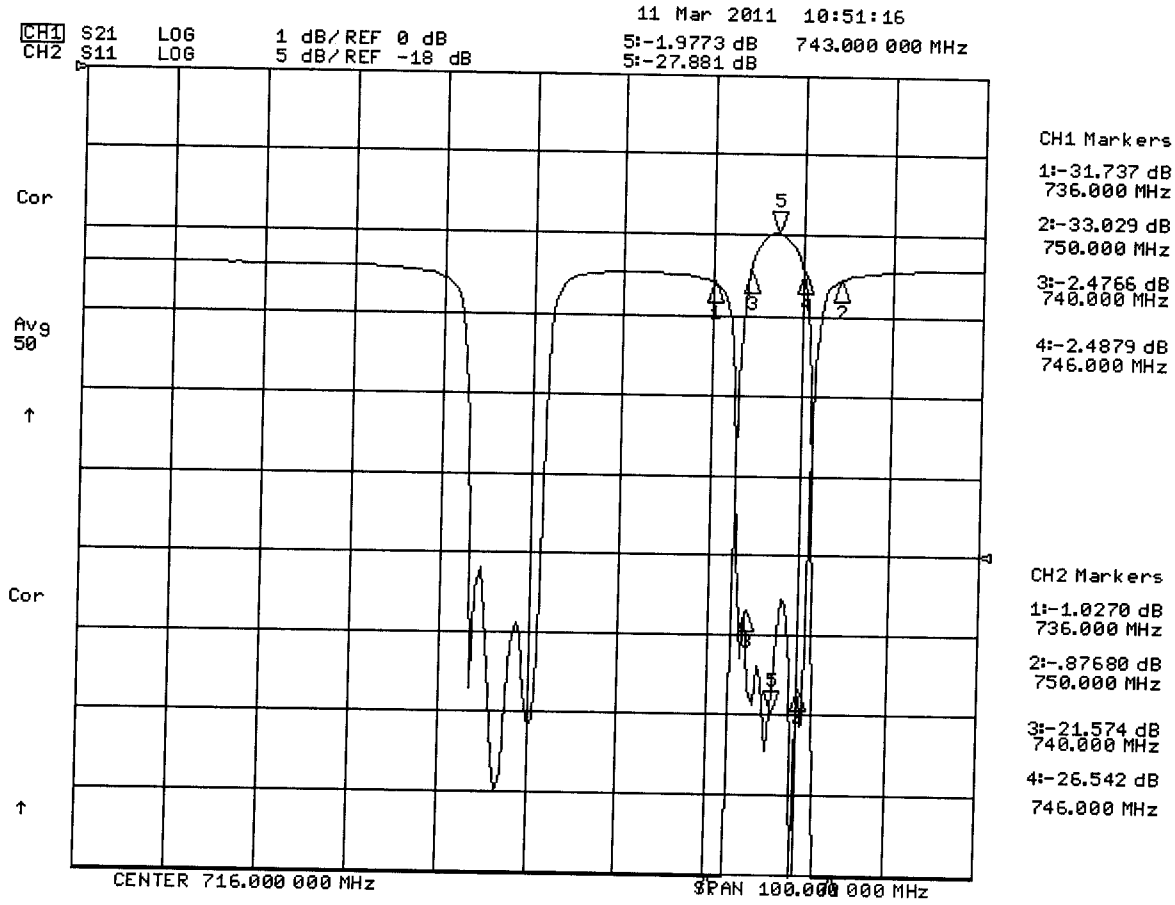
DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES ± 1° DECIMALS .X ± .05 .XX ± .01 .XXX ± .003	CONTRACT NO:		G-Way Microwave
	APPROVALS	DATE	TITLE: LTE LC-Band Diplexer CD728/LTE-LC/6SK-B1
	DRAWN Segal	03/11	
TREATMENT	CHECKED		
FINISH 63	ENG.		SIZE A | CAGE CODE 3K1H4 | DWG NO: CD728/LTE-LC/6SK-B1 | REV. 0
	DESIGN ACTIVITY		
MATERIAL			SCALE None | SHEET 1 OF 1

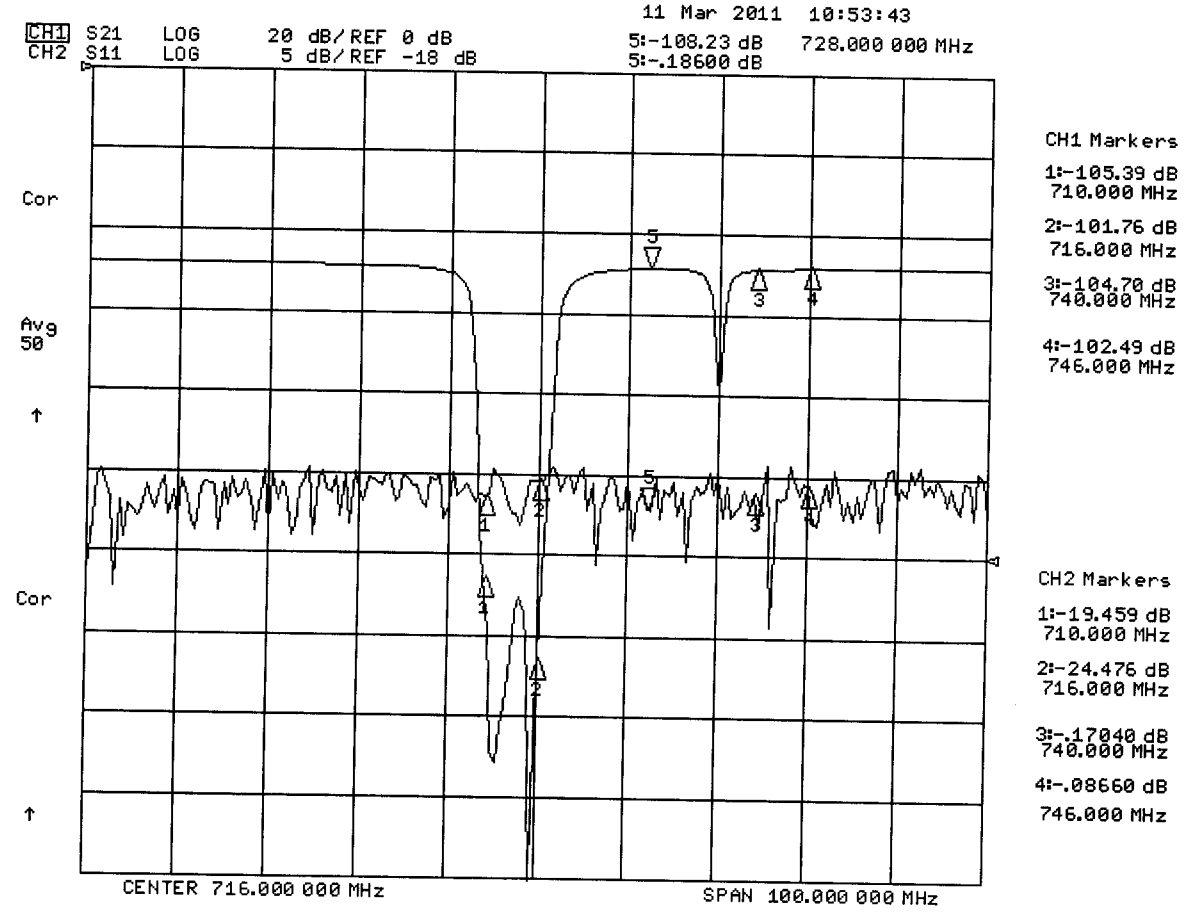
CD728/LTE-LC/65K-B1

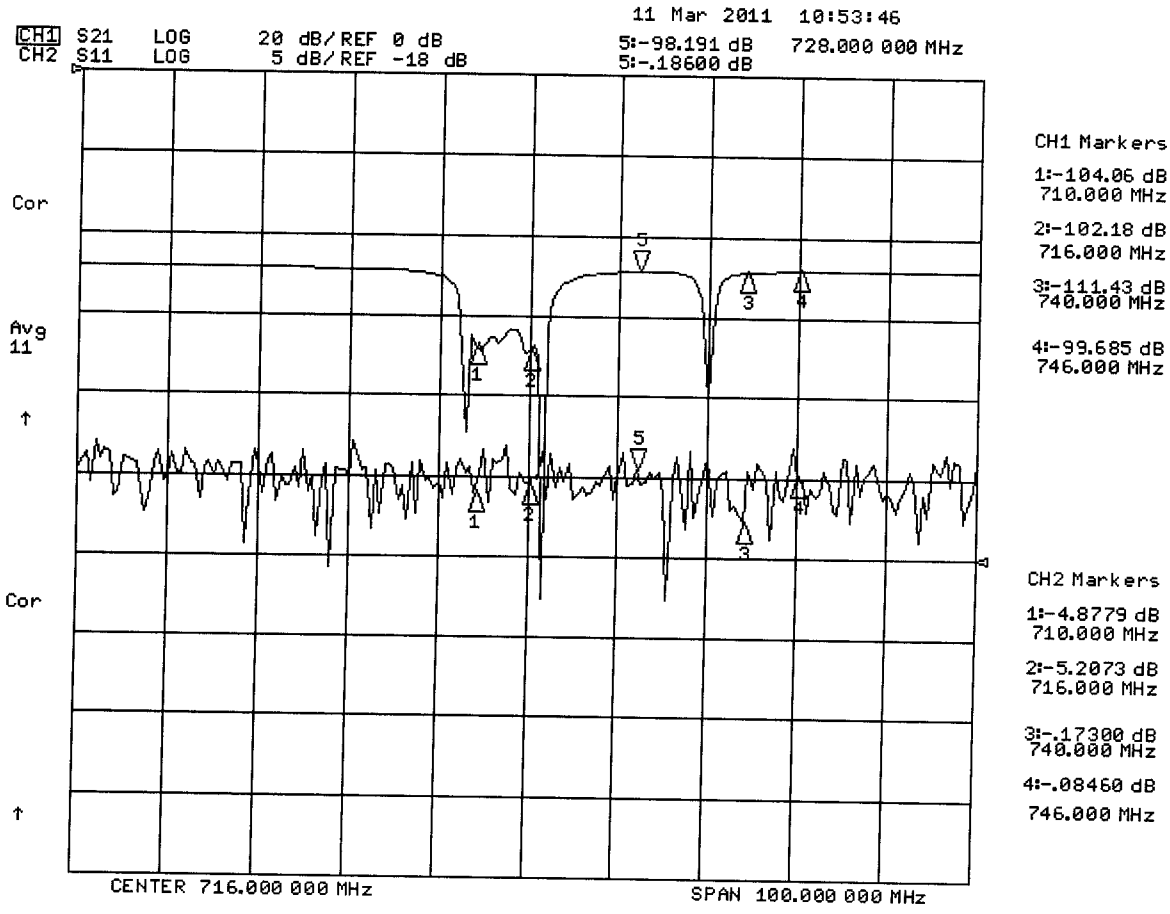





11 Mar 2011 10:51:03
CH1 S21 LOG 10 dB/ REF 0 dB
CH2 S11 LOG 5 dB/ REF -18 dB
5:-75.799 dB 728.000 000 MHz
5:-.42050 dB
Cor
Avg
50
Cor
CH1 Markers
1:-31.755 dB
736.000 MHz
2:-33.020 dB
750.000 MHz
3:-2.4800 dB
740.000 MHz
4:-2.4899 dB
746.000 MHz
CH2 Markers
1:-1.0177 dB
736.000 MHz
2:-.86960 dB
750.000 MHz
3:-21.558 dB
740.000 MHz
4:-26.410 dB
746.000 MHz
CENTER 716.000 000 MHz
SPAN 100.000 000 MHz


11 Mar 2011 10:51:16
CH1 S21 LOG 1 dB/ REF 0 dB
CH2 S11 LOG 5 dB/ REF -18 dB
5:-1.9773 dB 743.000 000 MHz
5:-27.881 dB
Cor
Avg
50
Cor
CH1 Markers
1:-31.737 dB
736.000 MHz
2:-33.029 dB
750.000 MHz
3:-2.4766 dB
740.000 MHz
4:-2.4879 dB
746.000 MHz
CH2 Markers
1:-1.0270 dB
736.000 MHz
2:-.87680 dB
750.000 MHz
3:-21.574 dB
740.000 MHz
4:-26.542 dB
746.000 MHz
CENTER 716.000 000 MHz
SPAN 100.000 000 MHz


11 Mar 2011 10:53:43
CH1 S21 LOG 20 dB/ REF 0 dB
CH2 S11 LOG 5 dB/ REF -18 dB
5:-108.23 dB 728.000 000 MHz
5:-.18600 dB
Cor
Avg 50
Cor
CH1 Markers
1:-105.39 dB
710.000 MHz
2:-101.76 dB
716.000 MHz
3:-104.70 dB
740.000 MHz
4:-102.49 dB
746.000 MHz
CH2 Markers
1:-19.459 dB
710.000 MHz
2:-24.476 dB
716.000 MHz
3:-.17040 dB
740.000 MHz
4:-.08660 dB
746.000 MHz
CENTER 716.000 000 MHz
SPAN 100.000 000 MHz


11 Mar 2011 10:53:46
CH1 S21 LOG 20 dB/ REF 0 dB
CH2 S11 LOG 5 dB/ REF -18 dB
5:-98.191 dB 728.000 000 MHz
5:-.18600 dB
Cor
Avg 11
Cor
CH1 Markers
1:-104.06 dB
710.000 MHz
2:-102.18 dB
716.000 MHz
3:-111.43 dB
740.000 MHz
4:-99.685 dB
746.000 MHz
CH2 Markers
1:-4.8779 dB
710.000 MHz
2:-5.2073 dB
716.000 MHz
3:-.17300 dB
740.000 MHz
4:-.08460 dB
746.000 MHz
CENTER 716.000 000 MHz
SPAN 100.000 000 MHz