

Duplexer



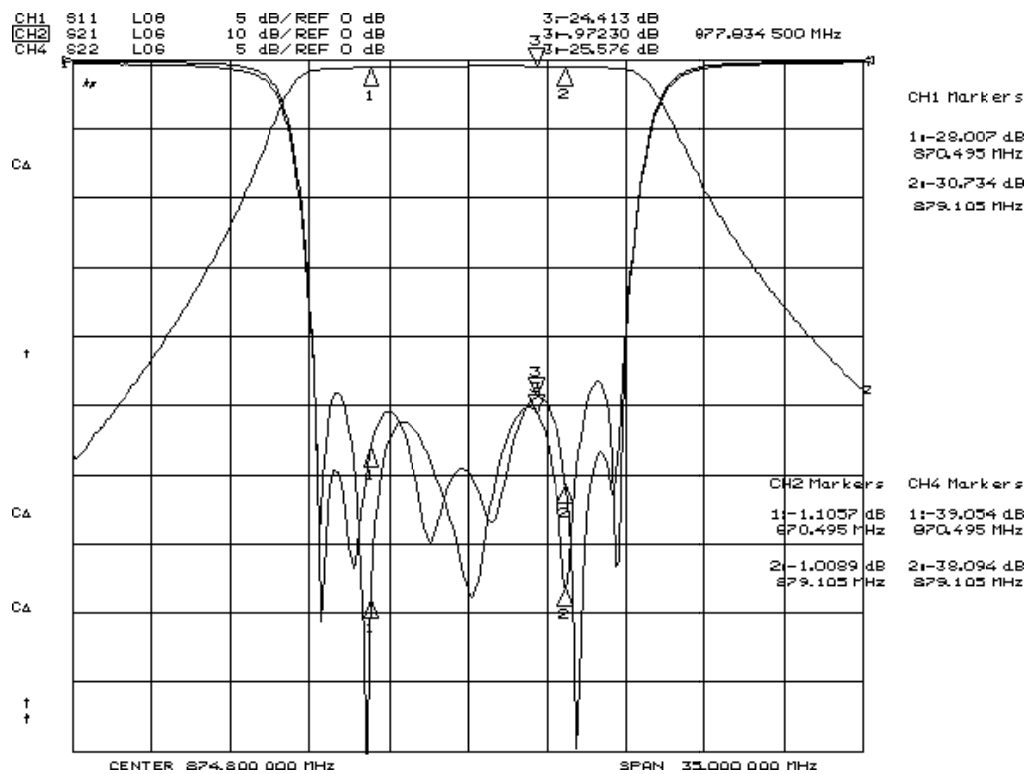
- KJ Comtech Code: FT00371-6/1
- SMA Type Female, N Type Female

1. Electrical & Mechanical Specification

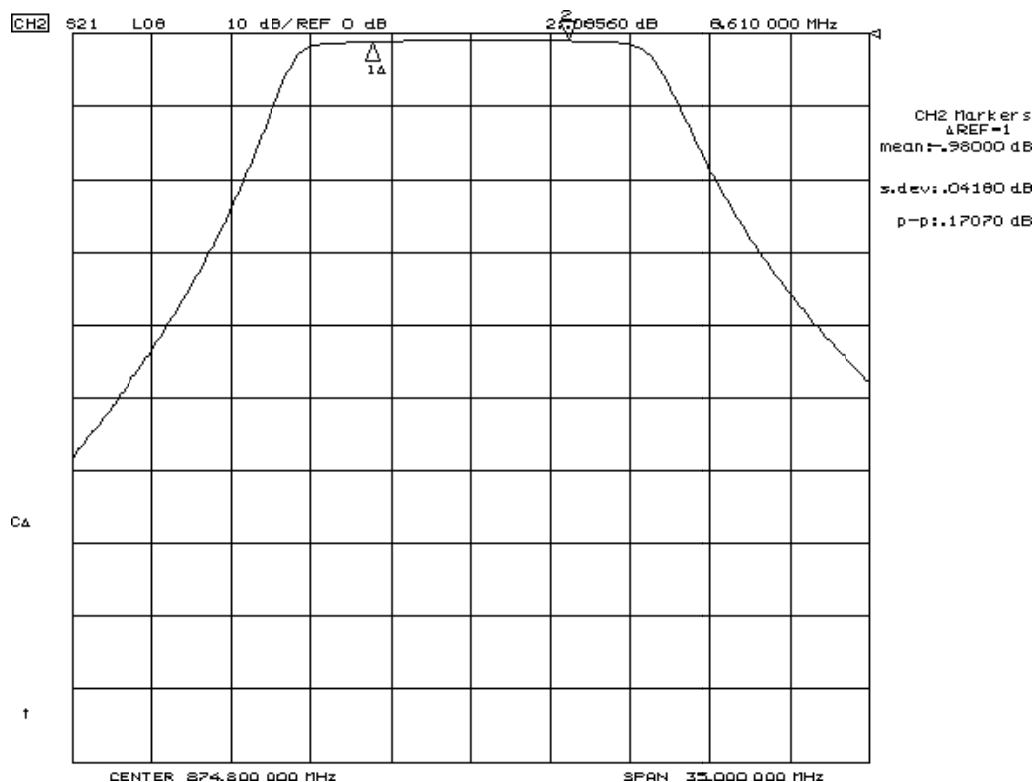
Electrical Specifications		
Connector	SMA Type (F), N Type (F)	
Frequency Range	Down Link 870.495~879.105MHz (BW: 8.61MHz)	Up Link 825.495~834.105MHz (BW: 8.61MHz)
Insertion Loss	≤1.5dB	≤1.5dB
Ripple	≤0.5dB	≤0.5dB
Return Loss	≥18dB	≥18dB
Group Delay Deviation (≥10ns)	871.11Mhz[±615KHz]	826.11Mhz[±615KHz]
	872.34MHz[±615KHz]	827.34MHz[±615KHz]
	873.57MHz[±615KHz]	828.57MHz[±615KHz]
	874.8MHz[±615KHz]	829.8MHz[±615KHz]
	876.03MHz[±615KHz]	831.03MHz[±615KHz]
	877.26MHz[±615KHz]	832.26MHz[±615KHz]
	878.49Mhz[±615KHz]	833.49Mhz[±615KHz]
CPL	15dB±1dB (p-p)	30dB±0.5dB (p-p)
Attenuation		≥55dB @9KHz~810MHz
Isolation	≥110dB	≥110dB
2 nd Harmonics	≥80dB	≥80dB
Power Handling	50W	
Impedance	50Ω	
Mechanical Specifications		
Dimensions (mm)	137 x 111.5 x 97.5	
Weight	≤2Kg	
Operating Temperature	-30~+70 °C	
Connector Finish	Tri-plate	
Housing Finish	Ivory Coating	

2. RF Measurement Data

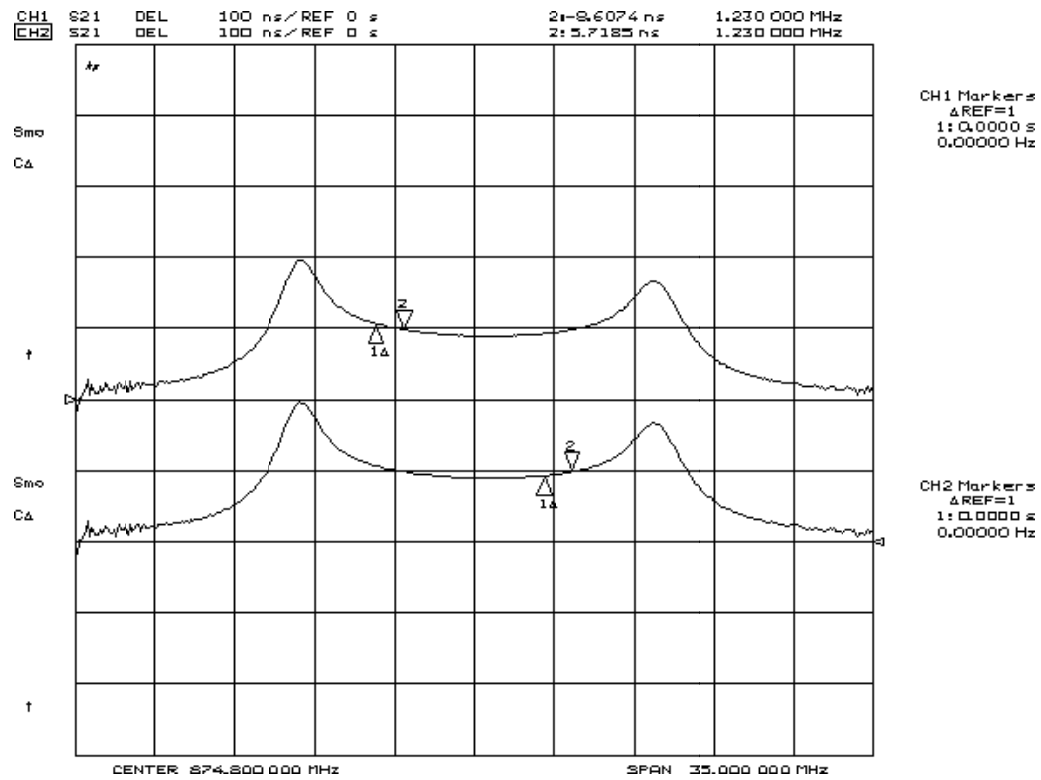
UP LINK: INSERTION LOSS, RETURN LOSS



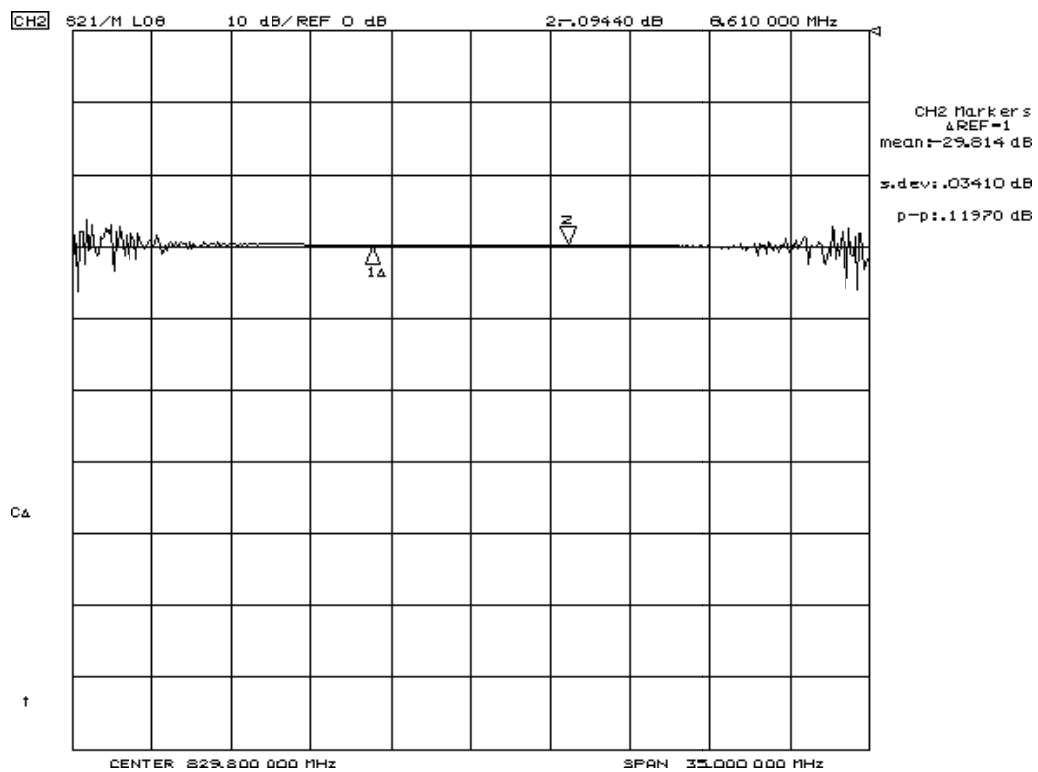
UP LINK: RIPPLE



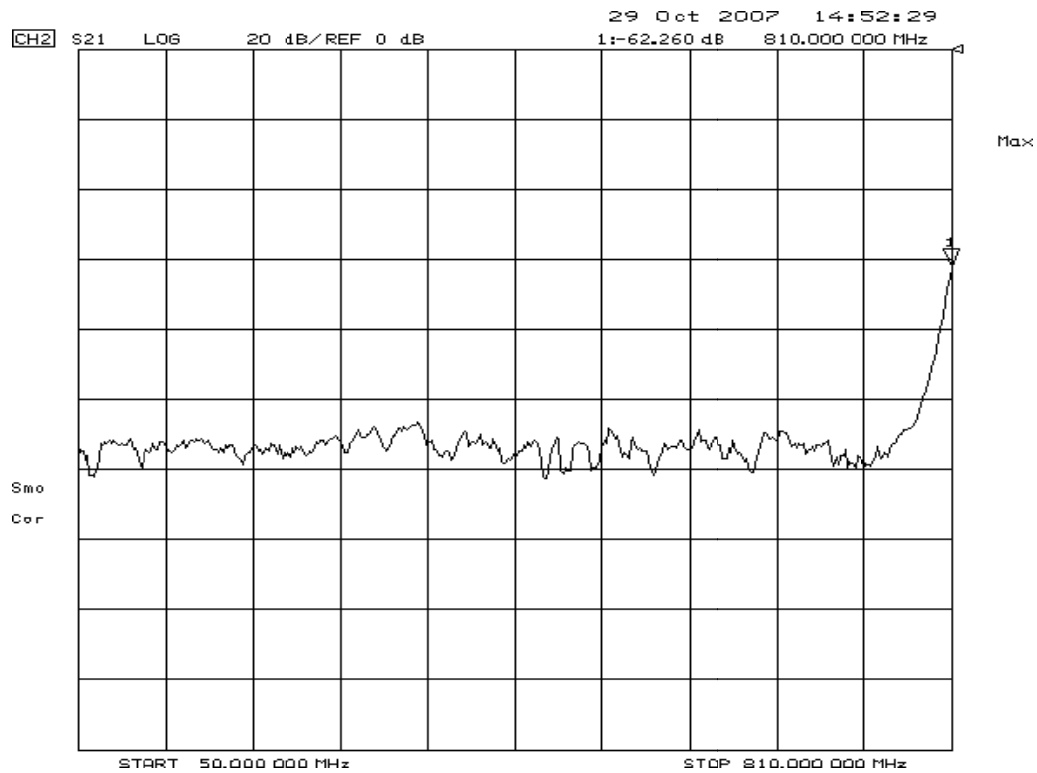
UP LINK: GROUP DELAY



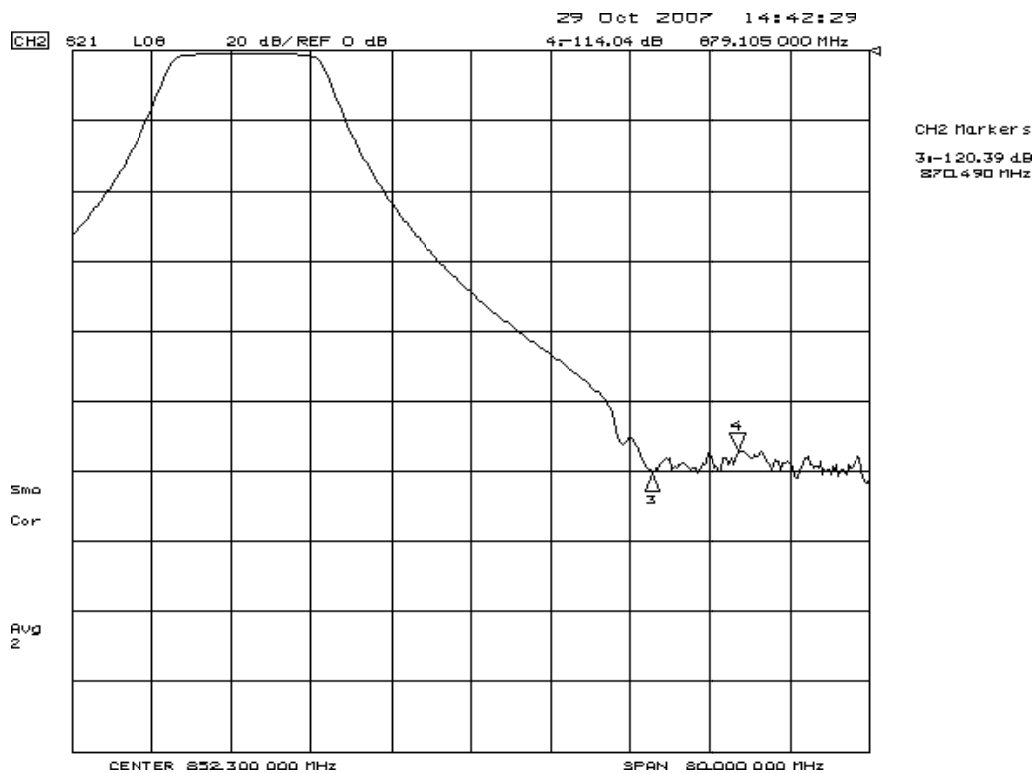
UP LINK: CPL



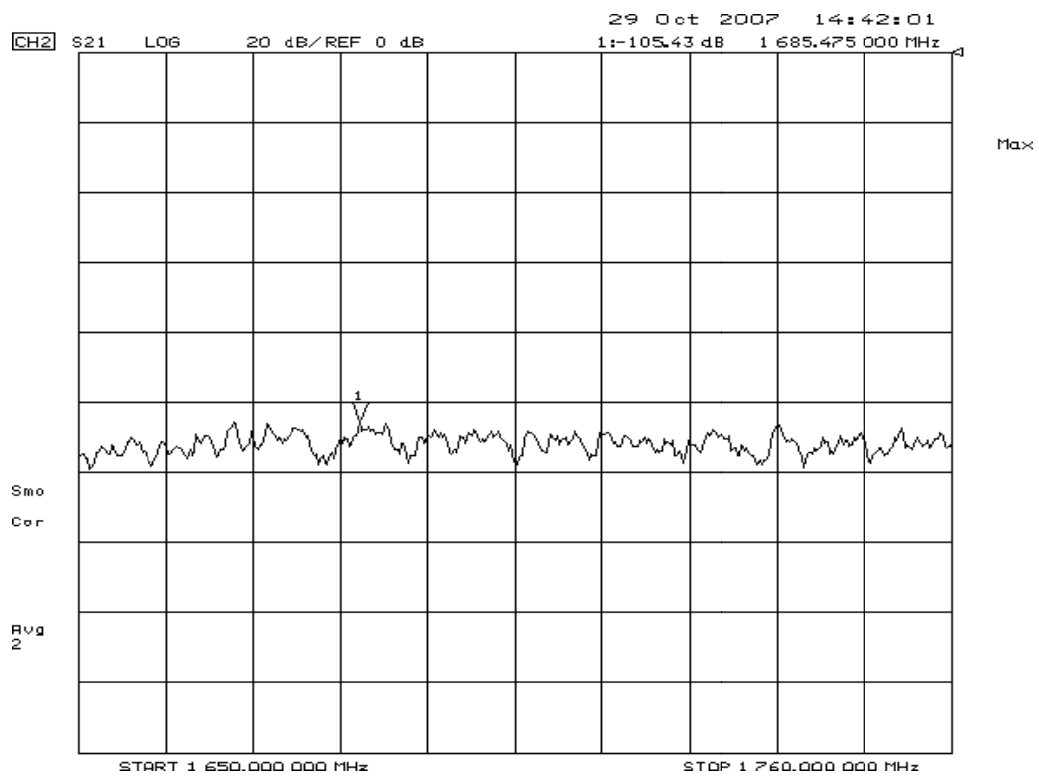
UP LINK: ATTENUATION (9KHz~810MHz)



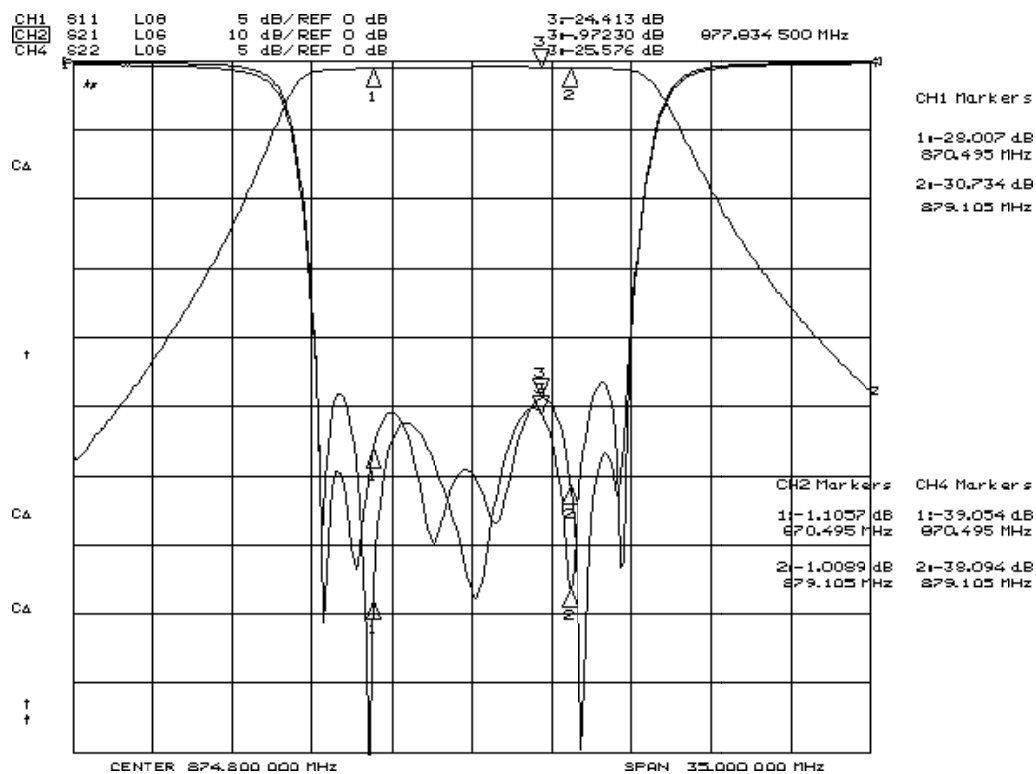
UP LINK: ISOLATION



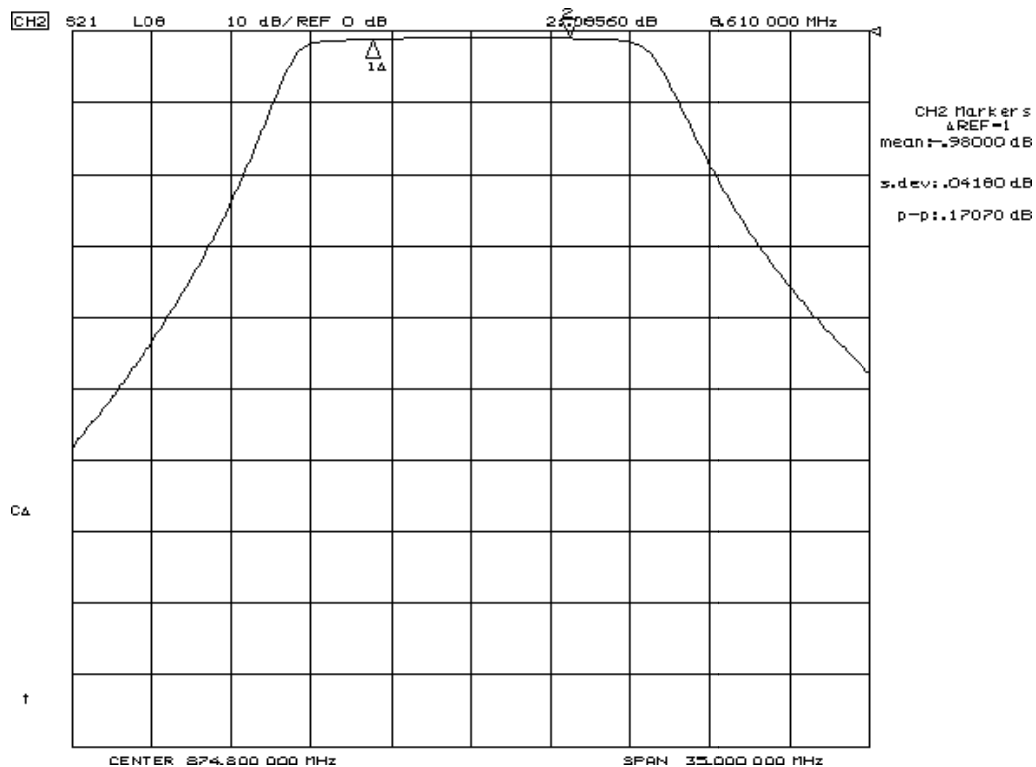
UP LINK: 2nd Harmonic



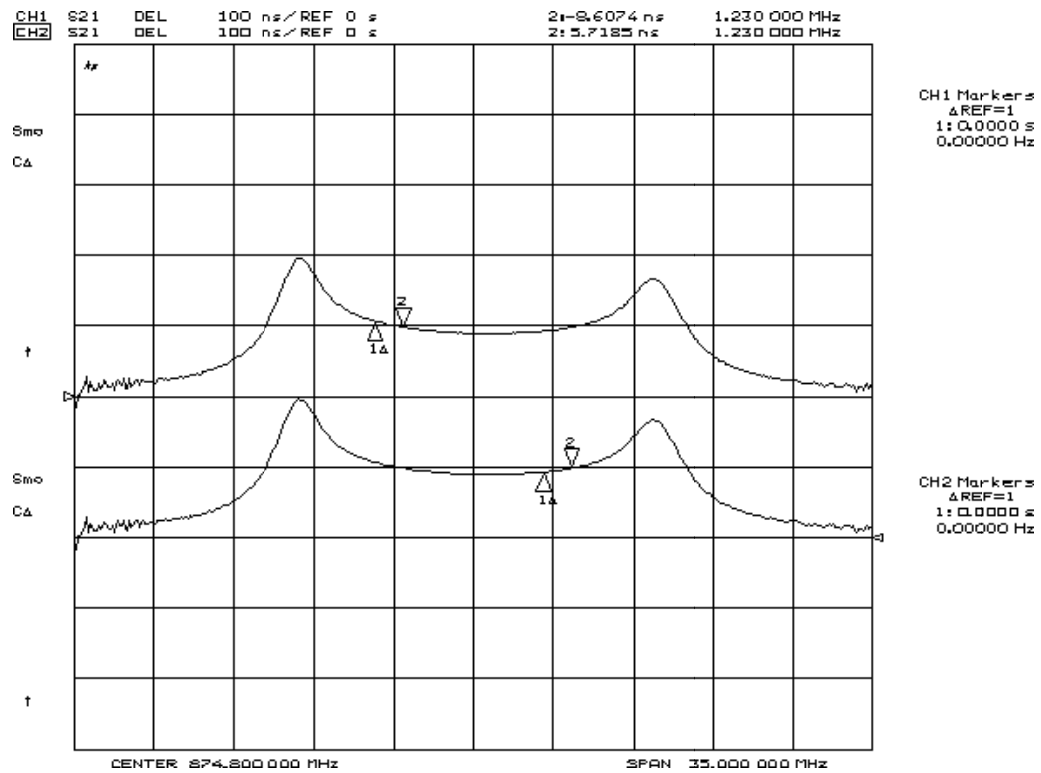
DOWN LINK: INSERTION LOSS, RETURN LOSS



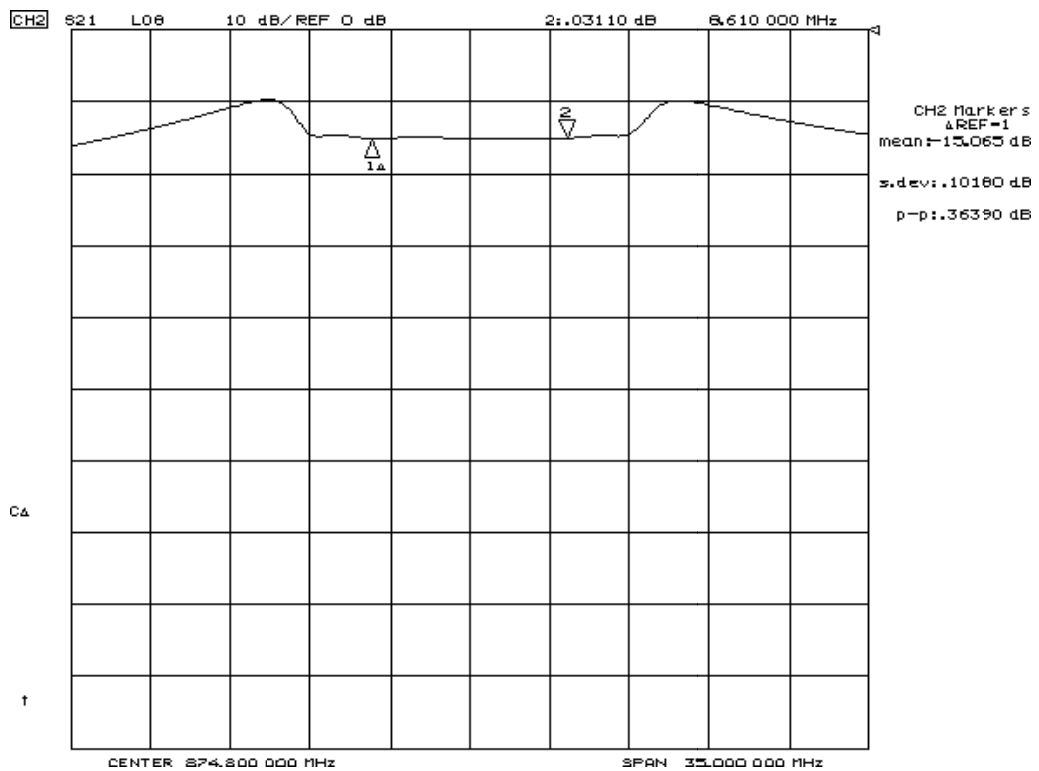
DOWN LINK: RIPPLE



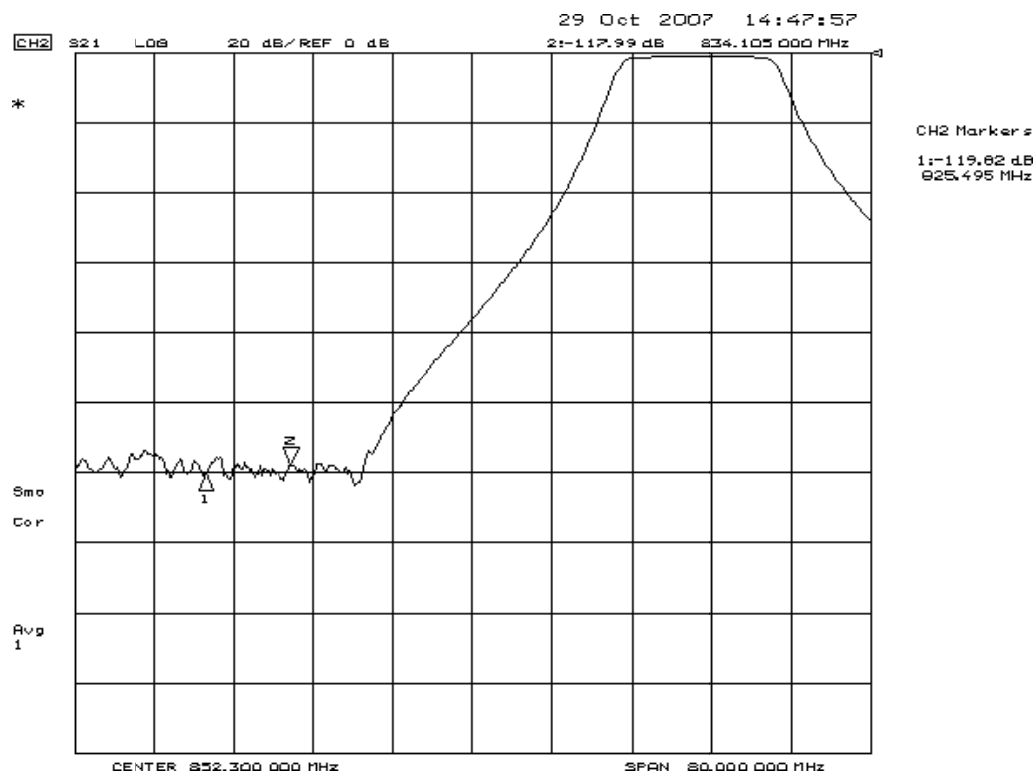
DOWN LINK: GROUP DELAY



DOWN LINK: CPL



DOWN LINK: ISOLATION

DOWN LINK: 2nd HARMONICS