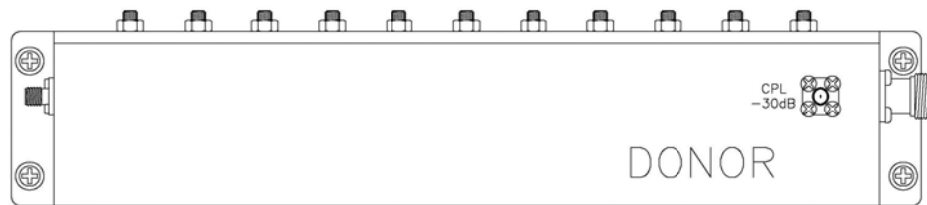


Duplexer

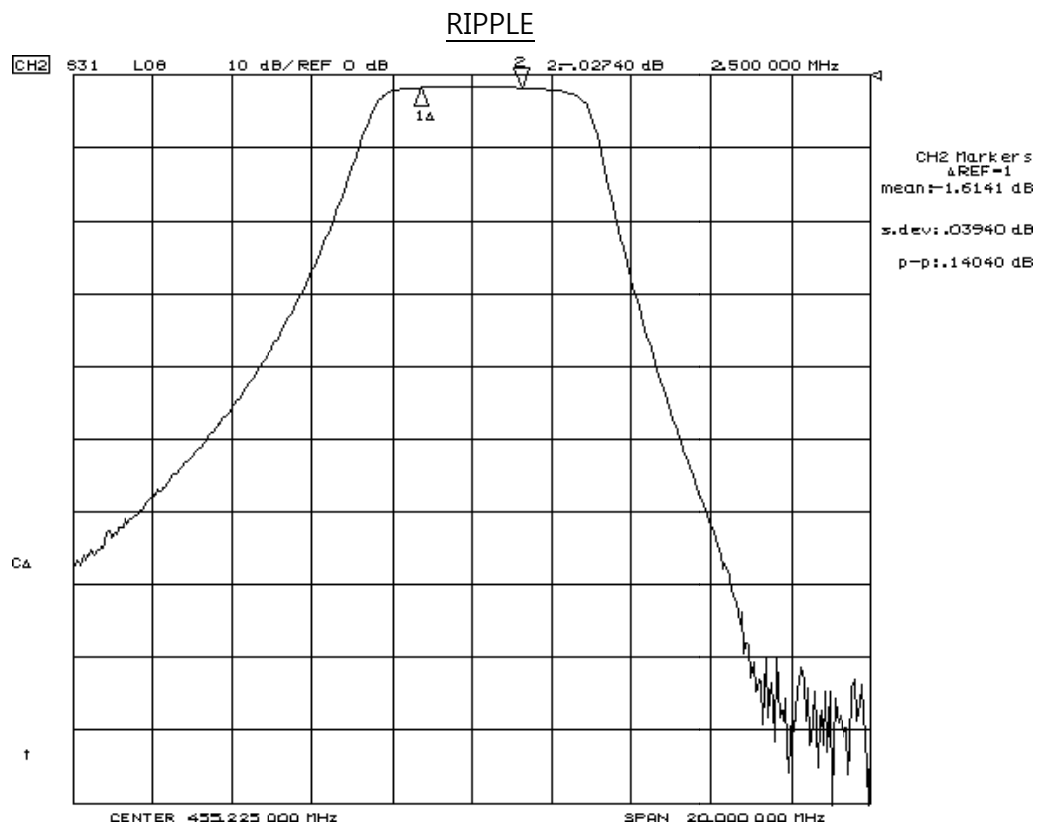
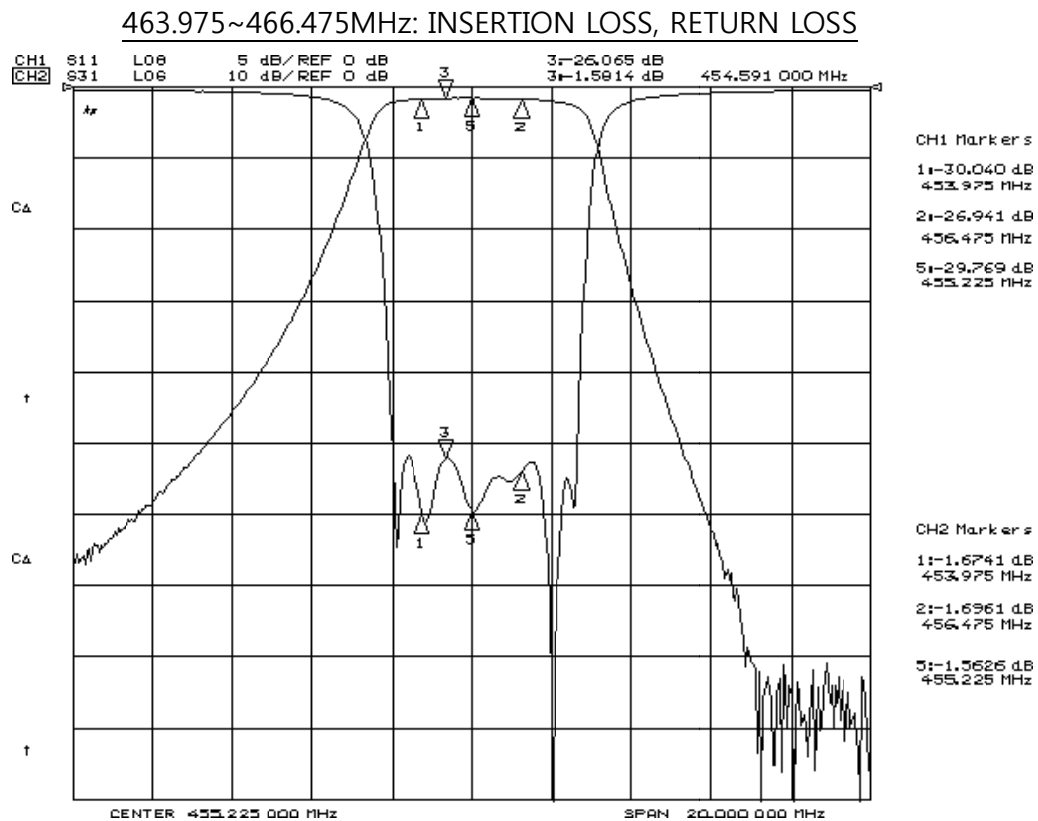


- KJ Comtech Code: FT00313-6/1
- SMA Type Female, N Type Female

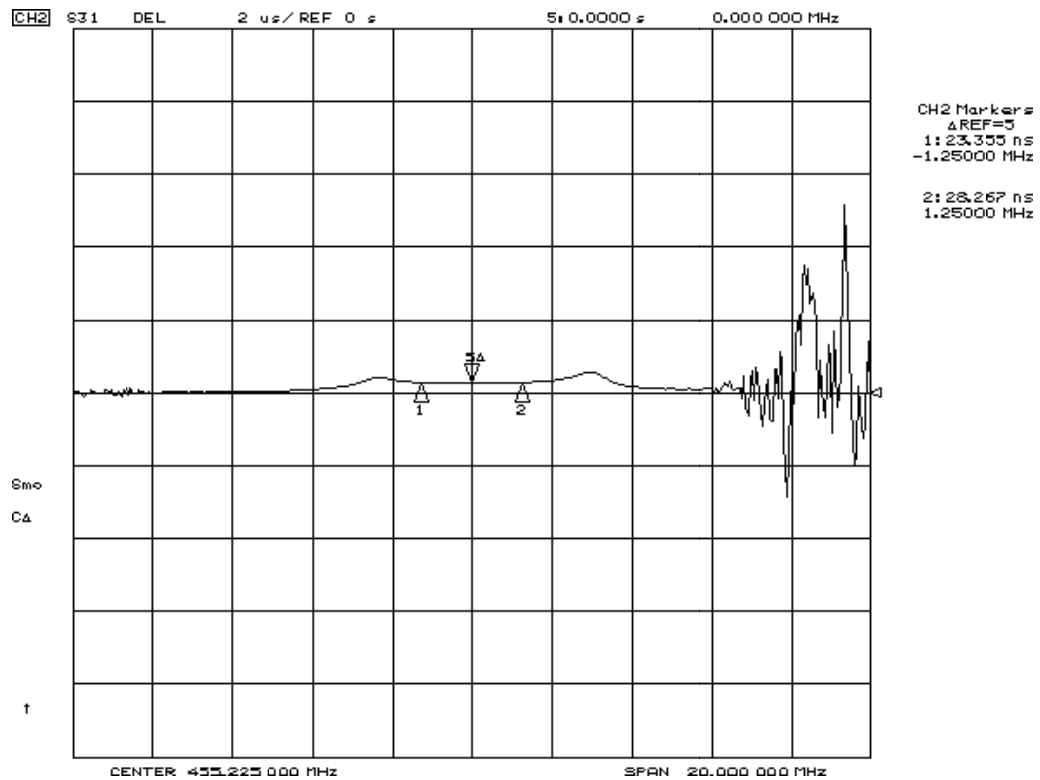
1. Electrical & Mechanical Specification

Electrical Specifications		
Connector	SMA Type (F), N Type (F)	
Frequency Range	Down Link 463.975~466.475MHz (BW: 2.5MHz)	Up Link 453.975~456.475MHz (BW: 2.5MHz)
Insertion Loss	≤2dB	
Ripple	≤0.5dB	
Return Loss	≥18dB	
Delay Deviation	≤45ns	≤45ns
Coupler Coupling (Output Coupling)		30±1dB (p-p)
Attenuation	≥10dB @461.475MHz/468.975MHz ≥10dB @9KHz~1.0GHz ≥40dB @1GHz~12.75GHz	≥10dB @451.475MHz/458.975MHz ≥60dB @9KHz~1GHz
Isolation	≥110dB	≥110dB
2nd Harmonics	≥80dB	≥80dB
Power Handling	10W	
Impedance	50Ω	
Mechanical Specifications		
Dimensions (mm)	308.0 x 108.0 x 59.0	
Weight	≤3.6Kg	
Operating Temperature	-40~+70 °C	
Connector Finish	Tri-plate	
Housing Finish	Ivory Coating	

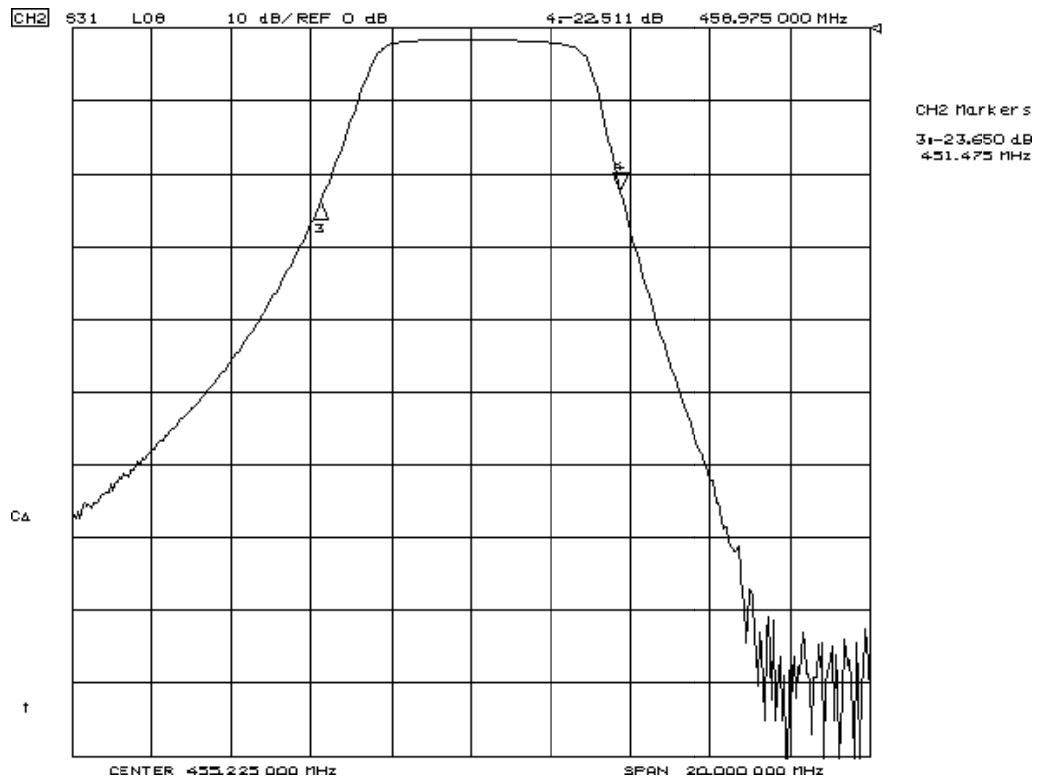
2. RF Measurement Data



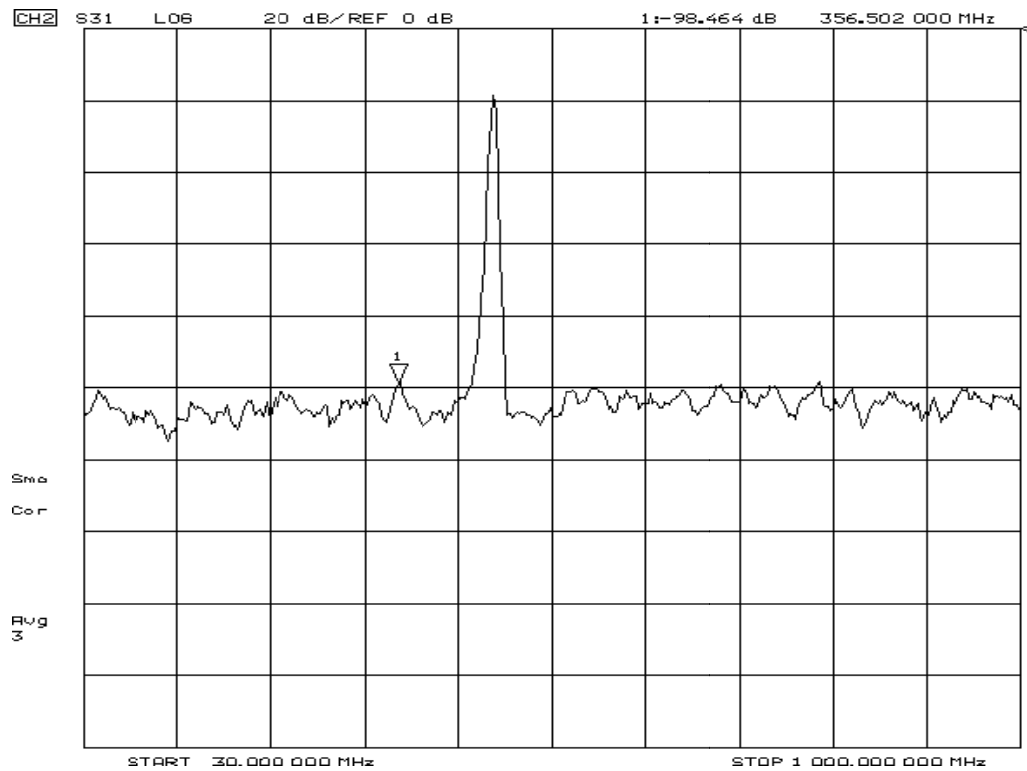
GROUP DELAY DEVIATION



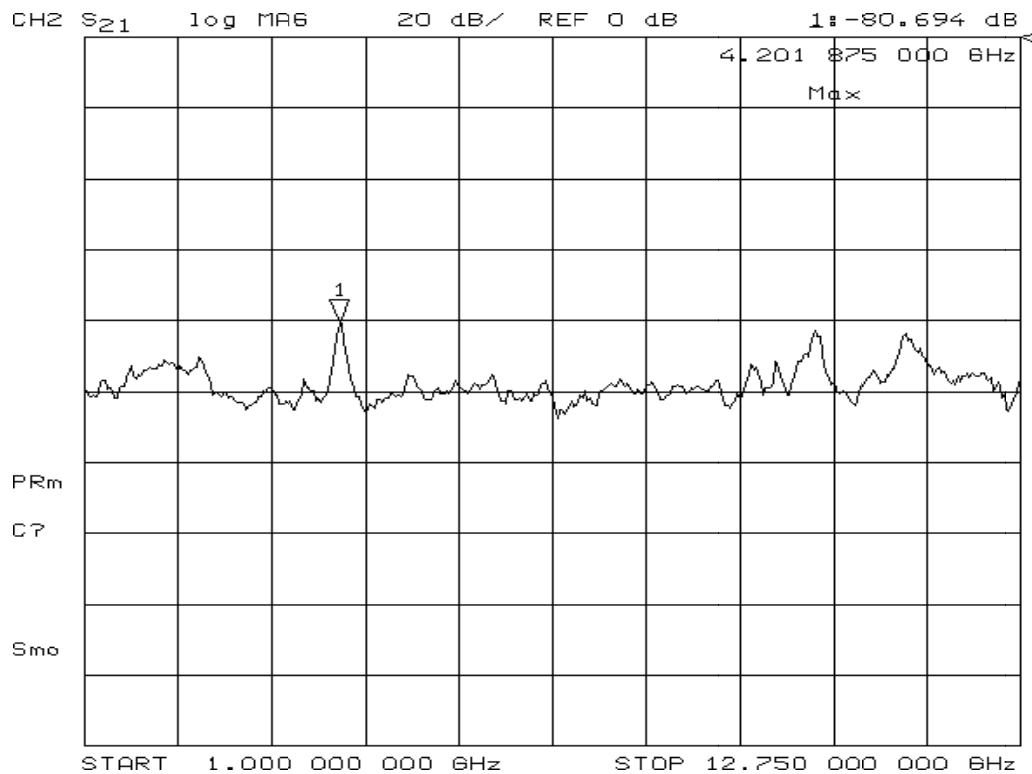
ATTENUATION (@461.475MHz / 468.975MHz)



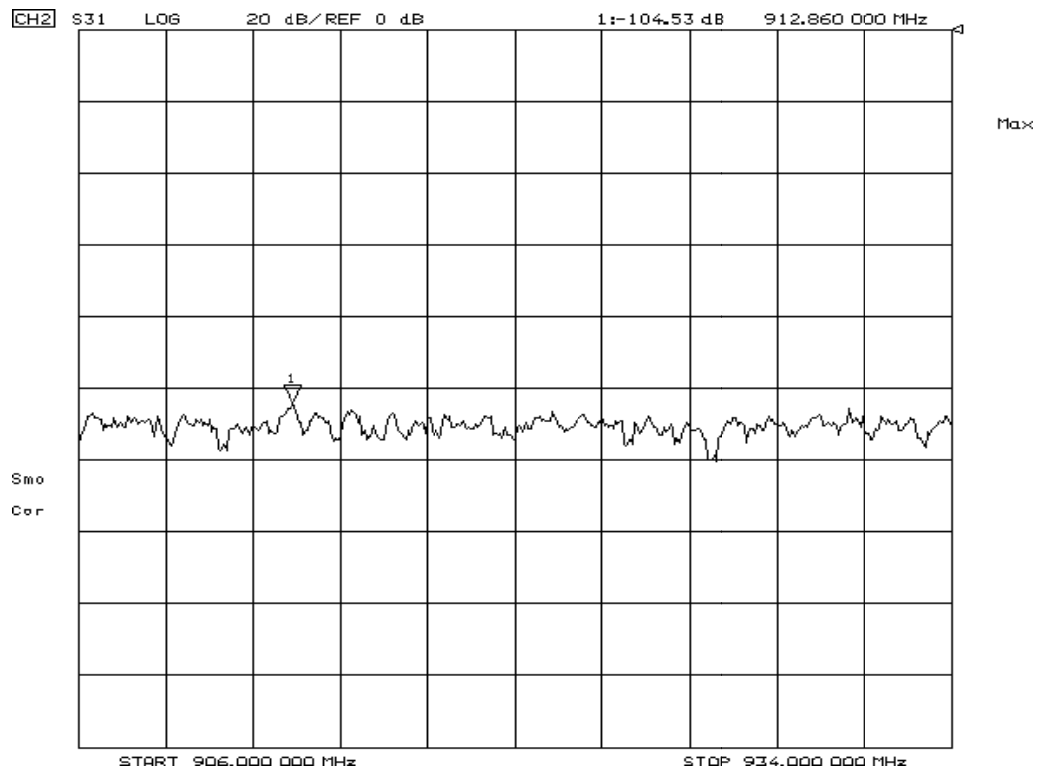
ATTENUATION (@9KHz~1GHz)



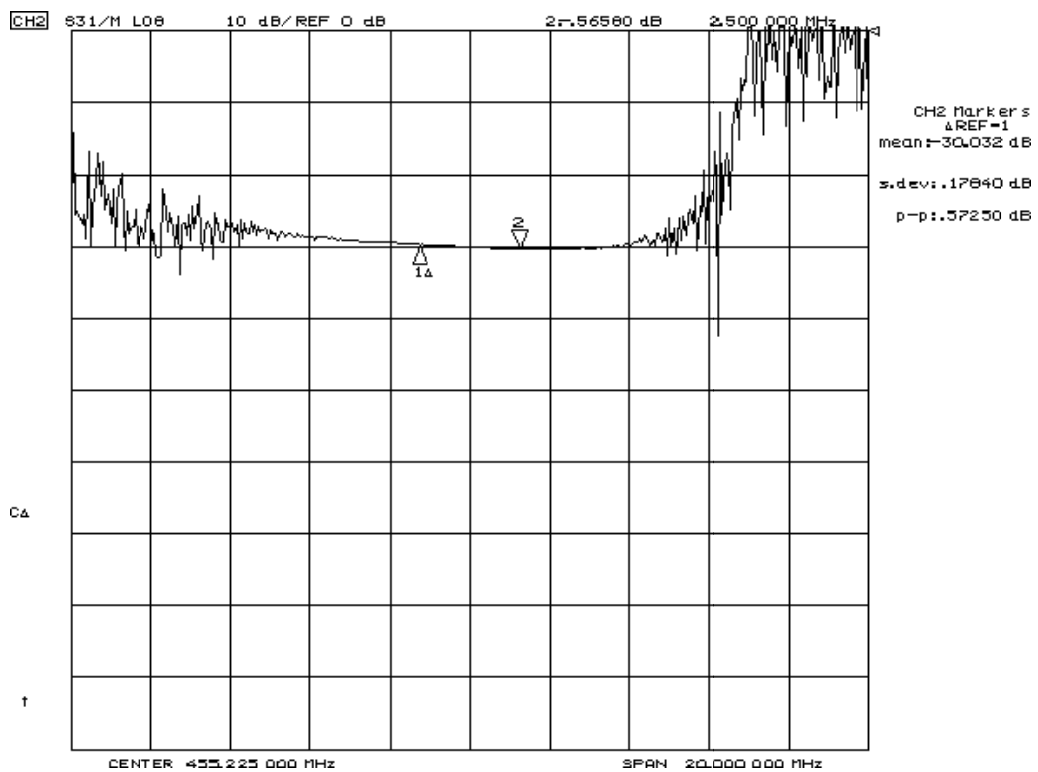
ATTENUATION (@1GHz~12.75GHz)

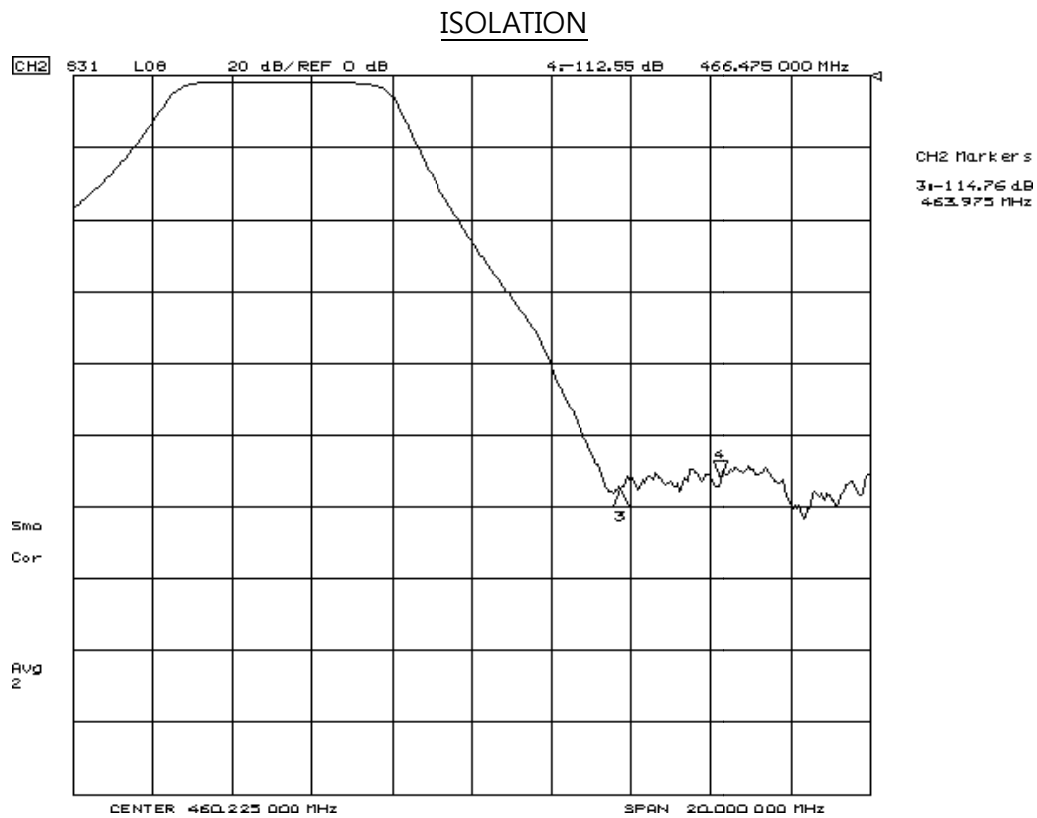


2nd HARMONIC

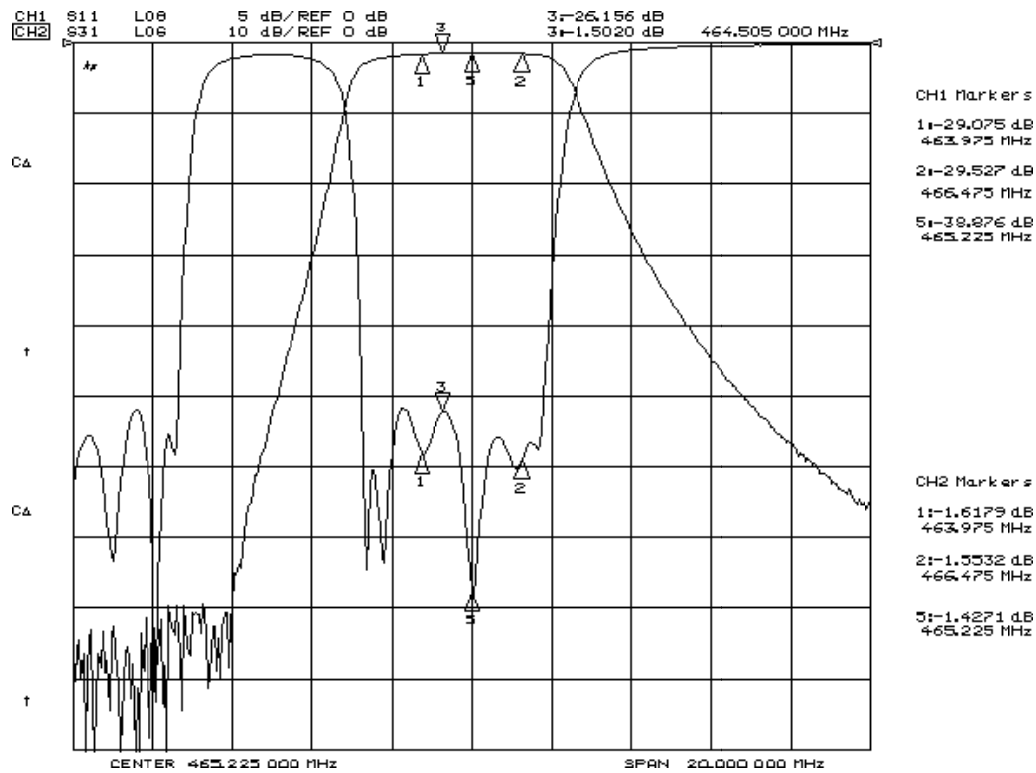


OUTPUT COUPLING

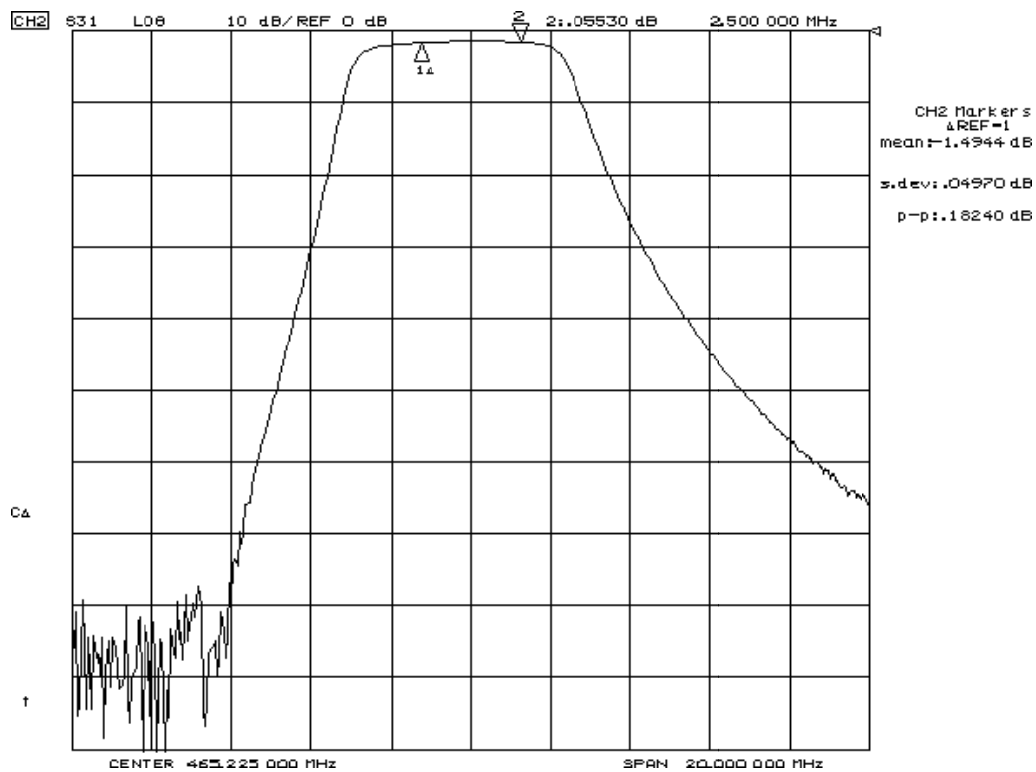




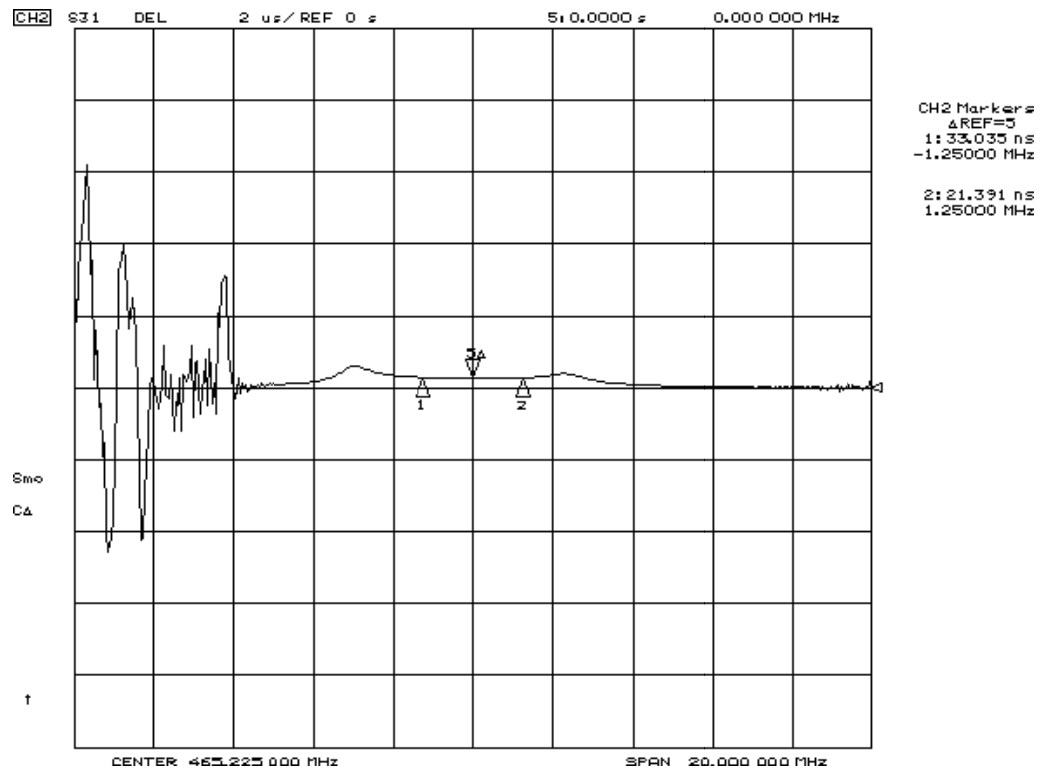
453.975~456.475MHz: INSERTION LOSS, RETURN LOSS



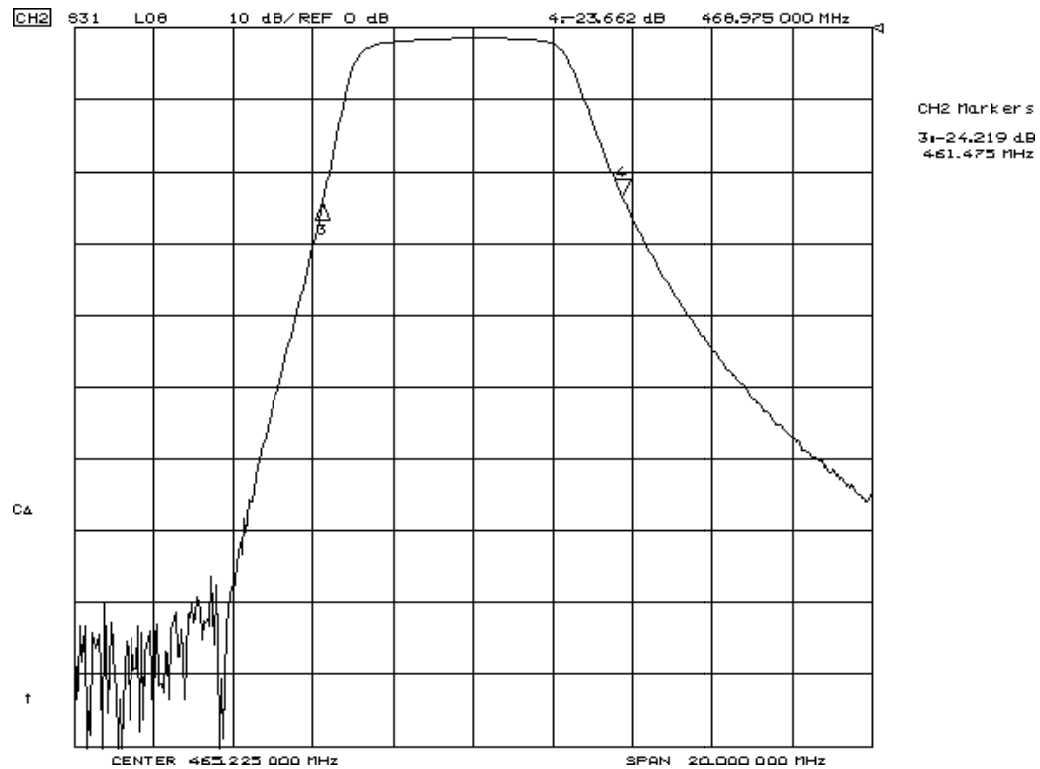
RIPPLE



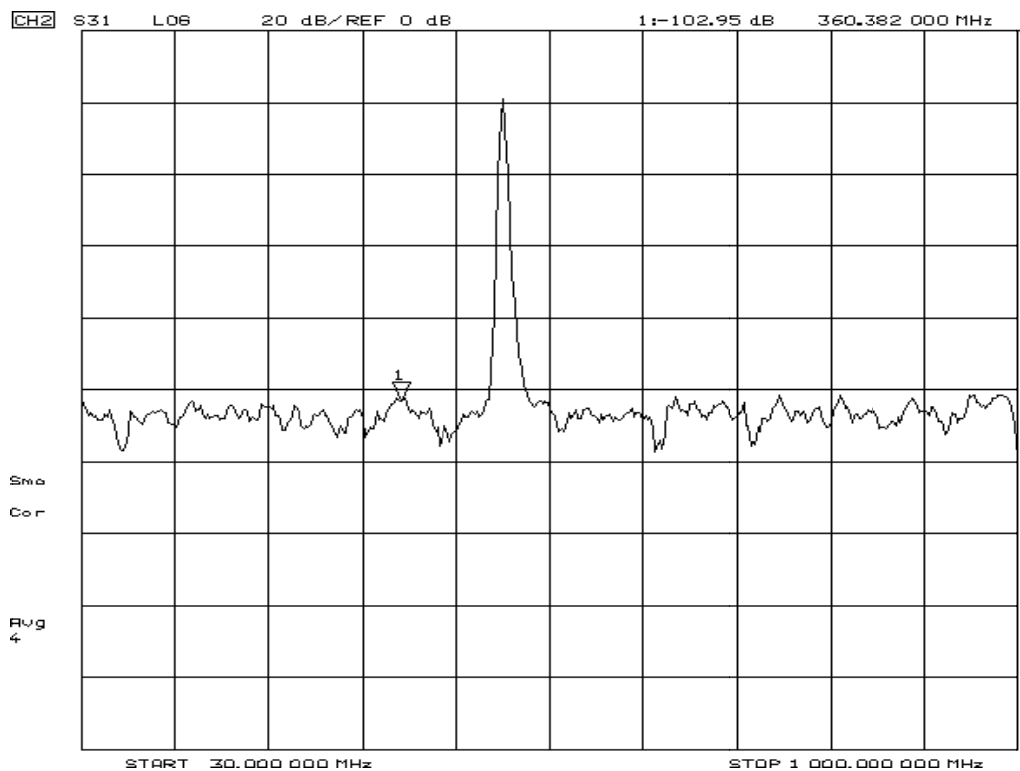
GROUP DELAY DEVIATION



ATTENUATION (@451.475MHz / 458.975MHz)



ATTENUATION (@9KHz~1GHz)

2nd HARMONIC