

Quad Band Combiner



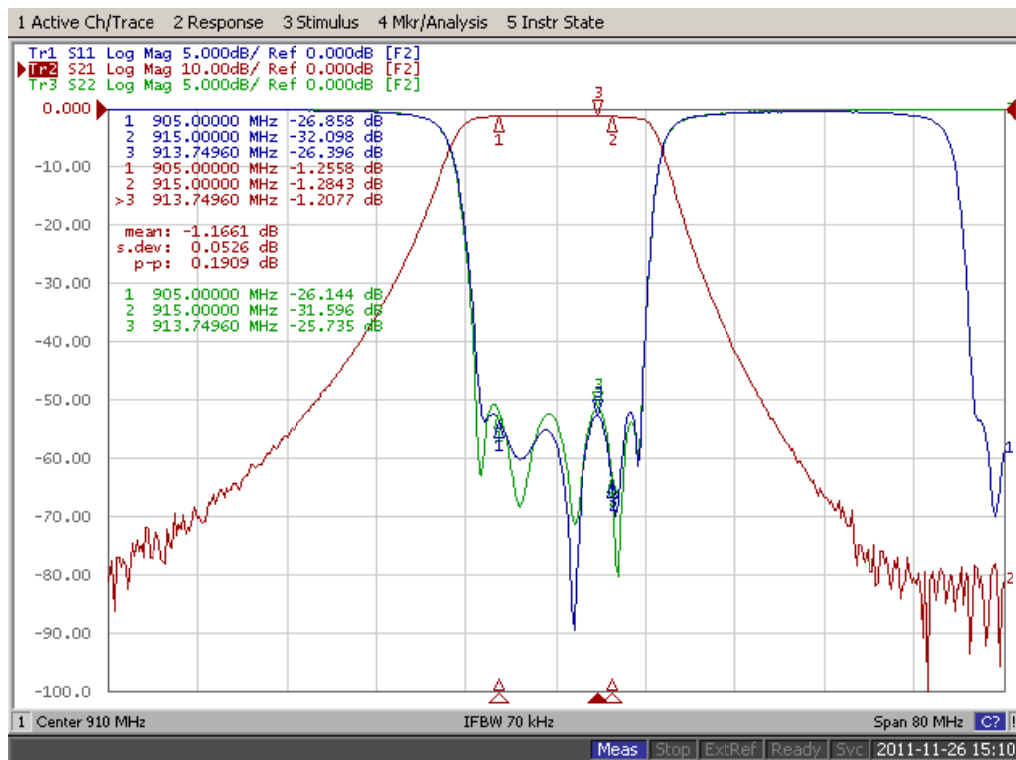
- KJ Comtech Code: FT00665-6/1
- SMA Type Female, N Type Female
- LTE Band

1. Electrical & Mechanical Specification

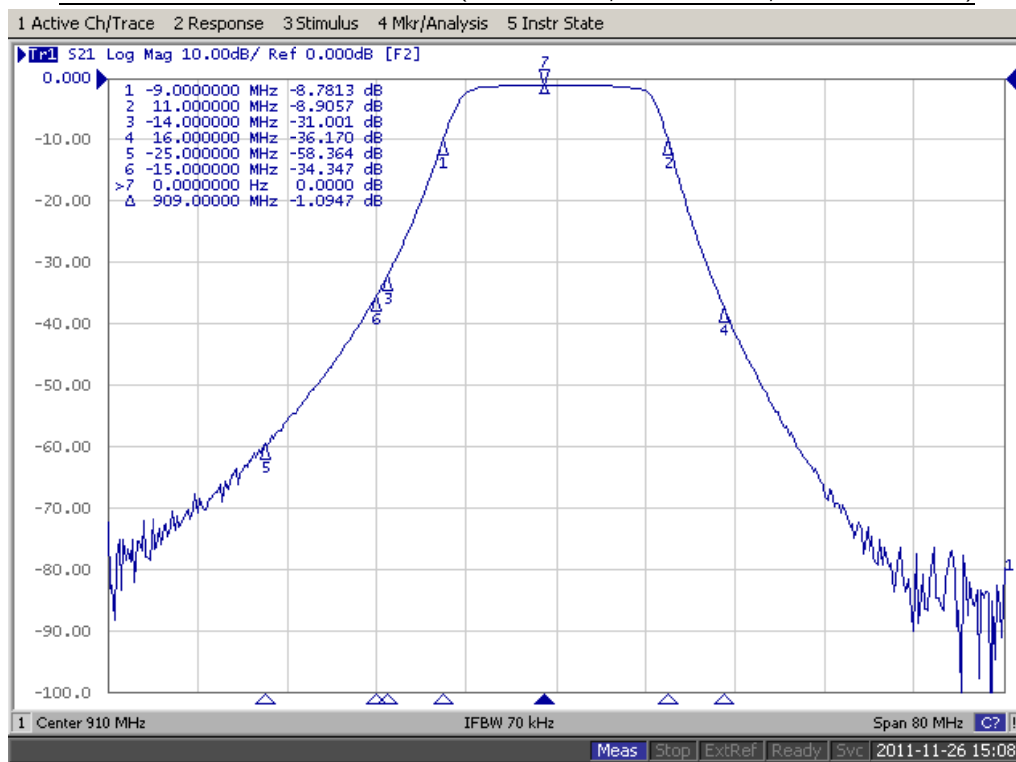
Electrical Specifications					
Connector		SMA Type (F), N Type (F)			
Frequency Range		RX: 905~915MHz (BW: 10MHz)	TX: 950~960MHz (BW: 10MHz)	RX: 1735~1755MHz (BW: 20MHz)	TX: 1830~1850MHz (BW: 20MHz)
Insertion Loss		≤1.5dB			
VSWR		≤1.25 : 1			
Ripple		≤0.8dB			
Attenuation	Fc±10MHz	≥7dB	≥7dB		
	Fc±15MHz	≥15dB	≥15dB	≥7dB	≥7dB
	Fc±20MHz			≥15dB	≥15dB
	884~894MHz	≥27dB			
	2 nd Harmonic	≥80dB			
Isolation		≥100dB			
CPL			40(±1.5dB)		40 (±1.5dB)
Power Handling		1W	16W	50W	30W
Impedance		50Ω			
Mechanical Specifications					
Dimensions (mm)		114.0 x 78.0 x 98.0			
Weight		≤2Kg			
Operating Temperature		-40~+80 °C			
Relative Humidity		5~95%			
Connector Finish		Tri-plate			
Housing Finish		Beige Coating			

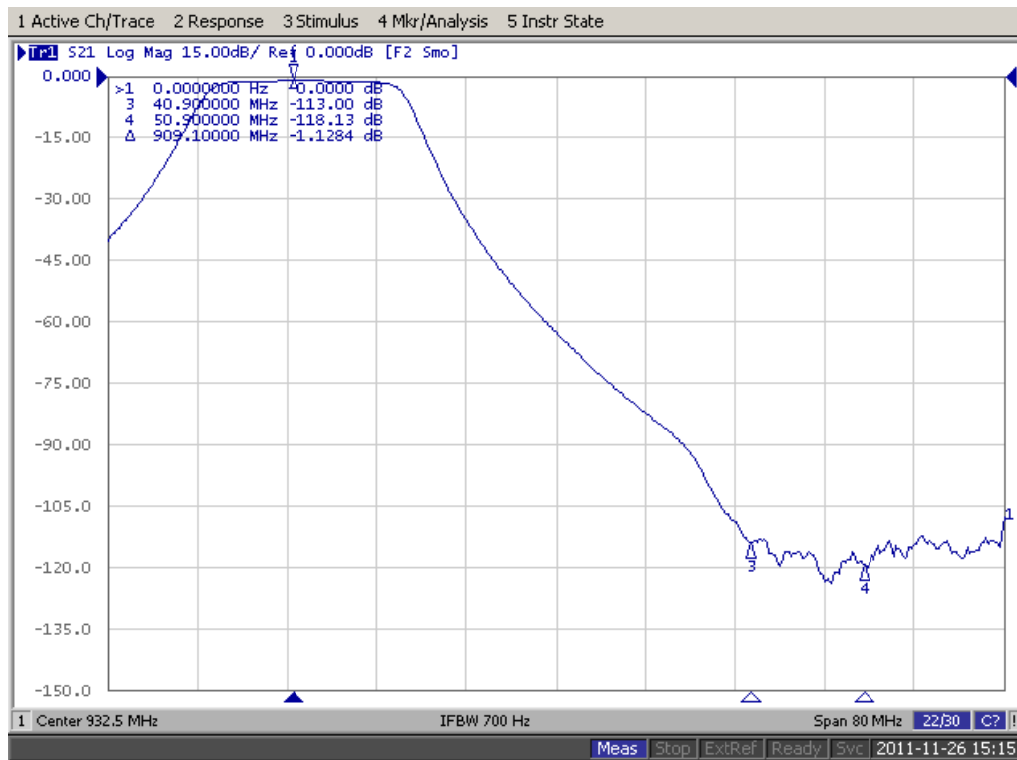
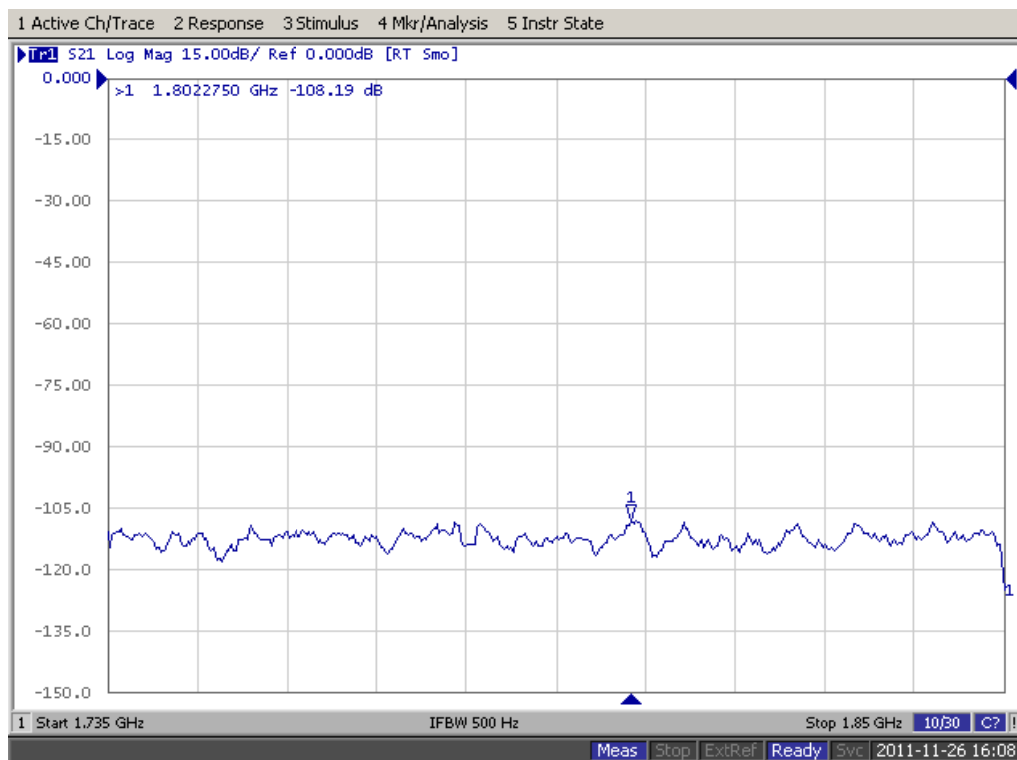
2. RF Measurement Data

905~915MHz: INSERTION LOSS, RIPPLE, RETURN LOSS

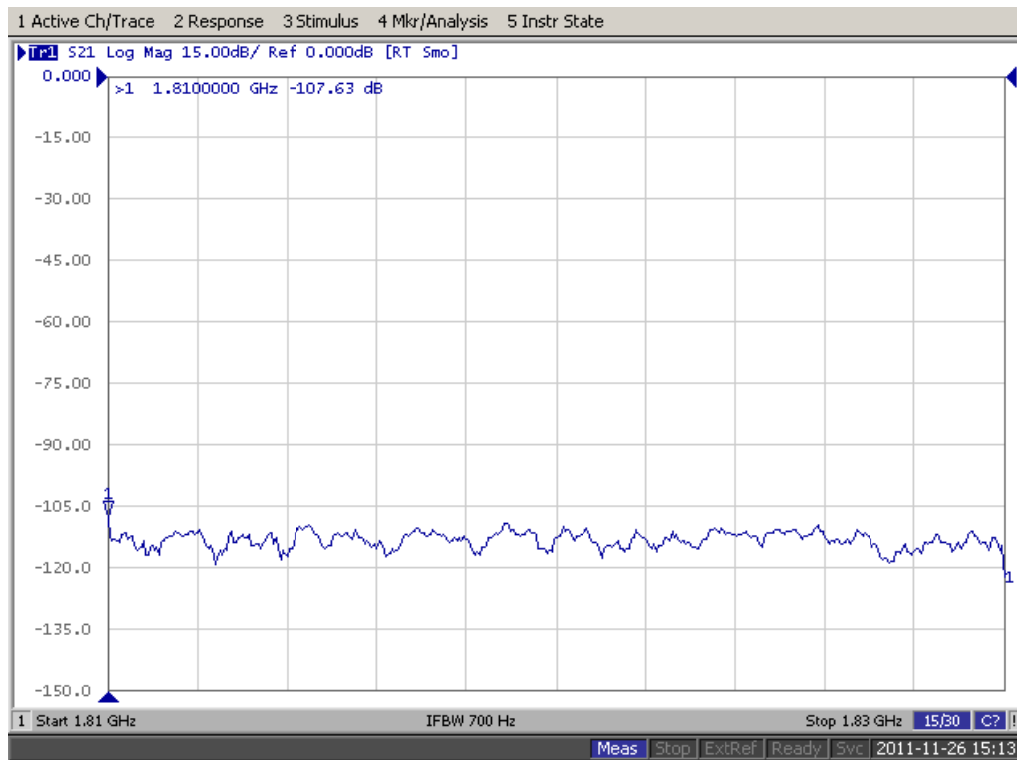


905~915MHz: ATTENUATION (Fc±10MHz, Fc±15MHz, 884~894MHz)

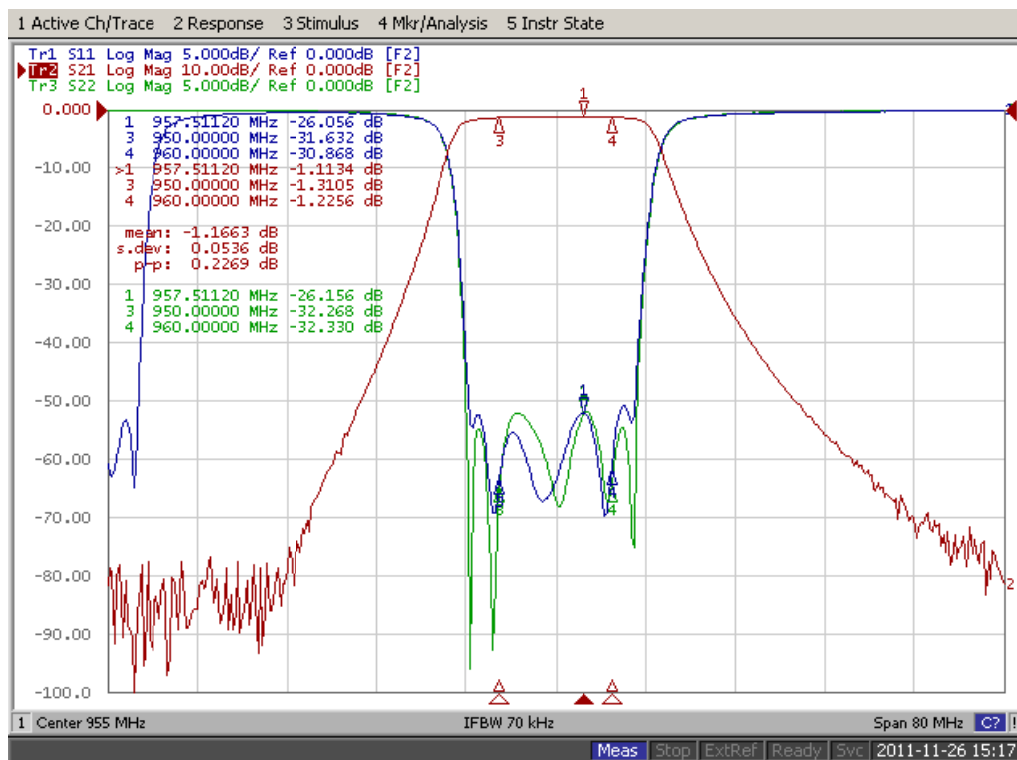


905~915MHz: ISOLATION (950~960MHz)905~915MHz: ISOLATION (1735~1850MHz)

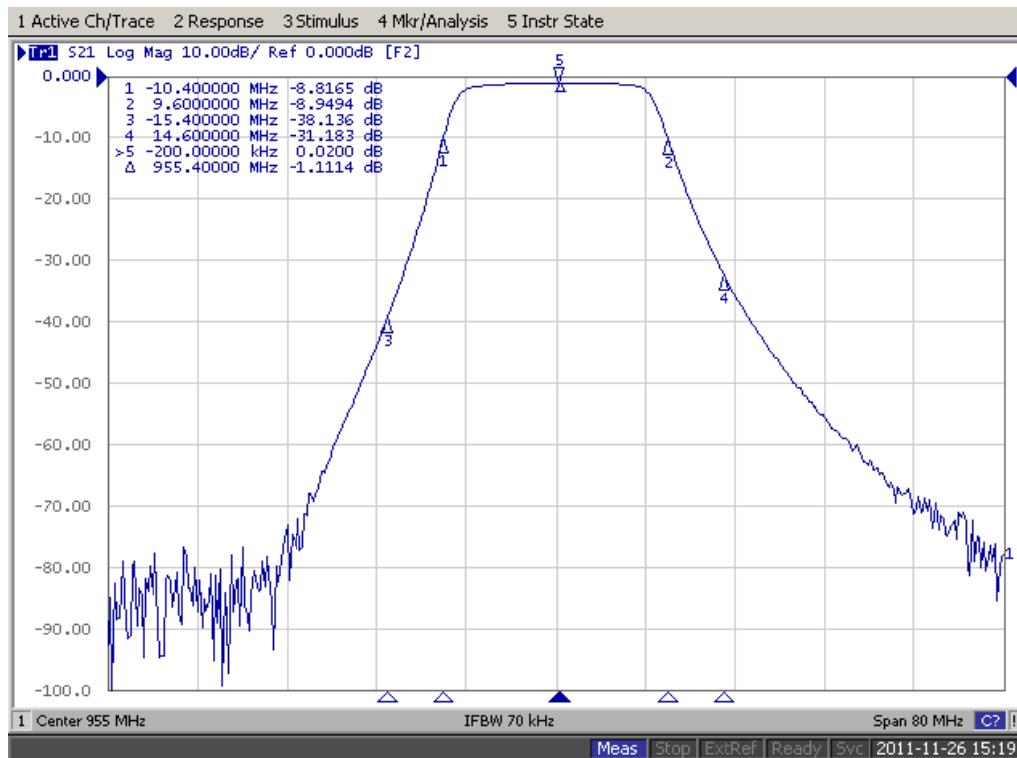
905~915MHz: 2nd HARMONIC



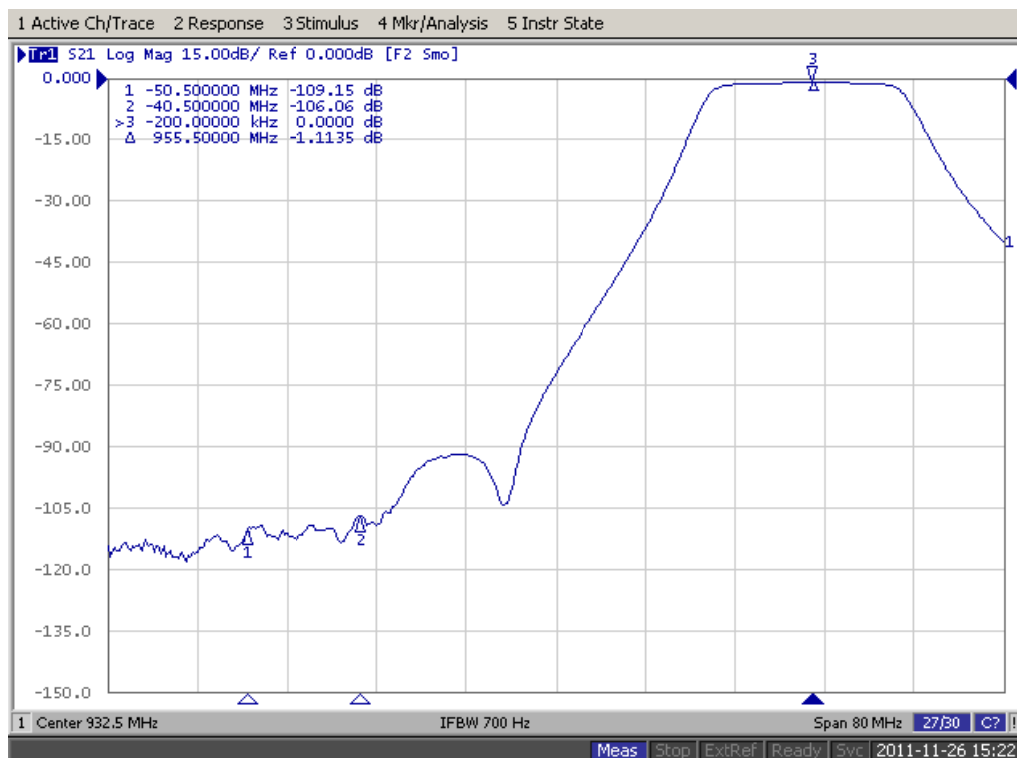
950~960MHz: INSERTION LOSS, RIPPLE, RETURN LOSS



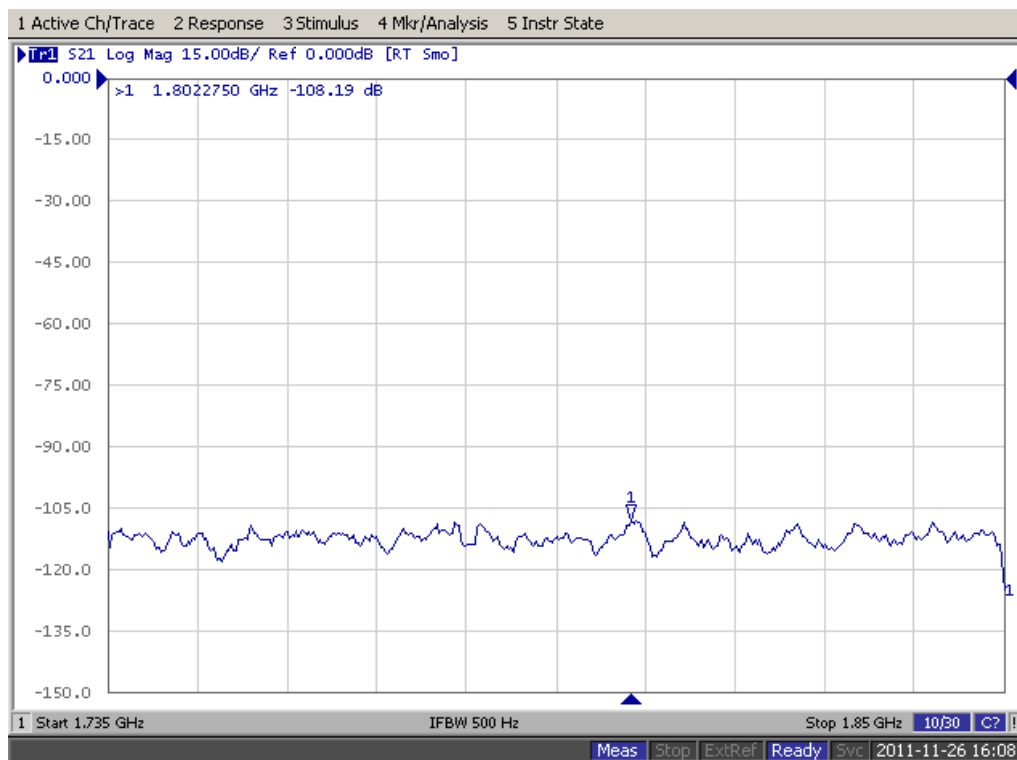
950~960MHz: ATTENUATION ($F_c \pm 10\text{MHz}$, $F_c \pm 15\text{MHz}$)



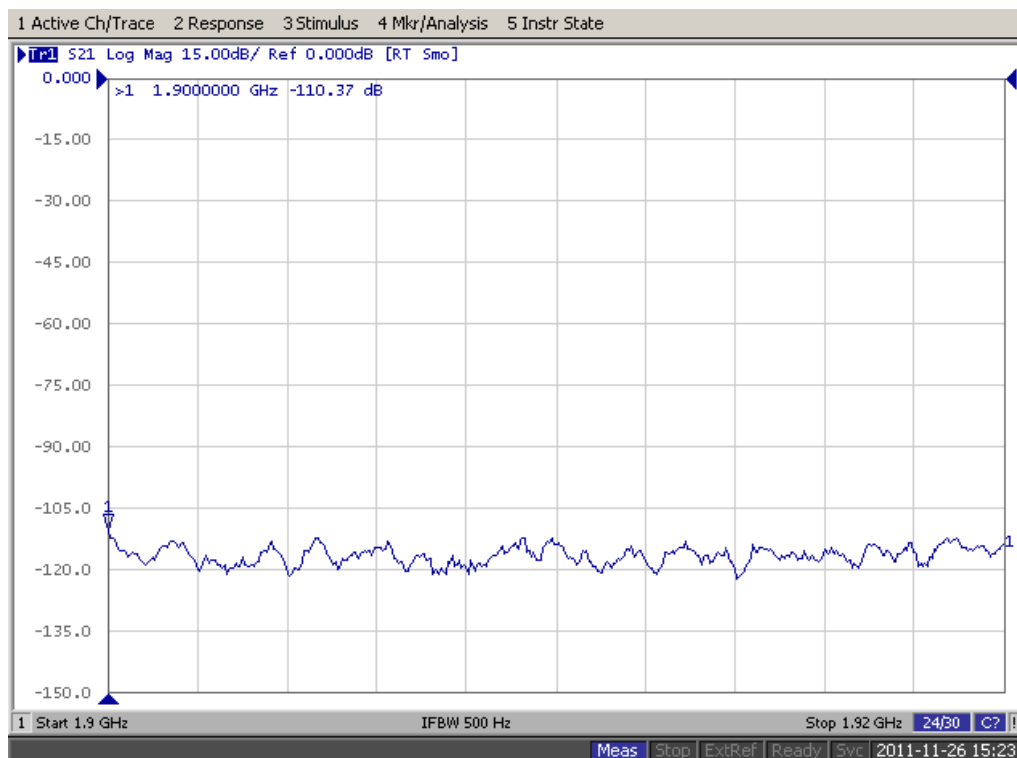
950~960MHz: ISOLATION (905~915MHz)



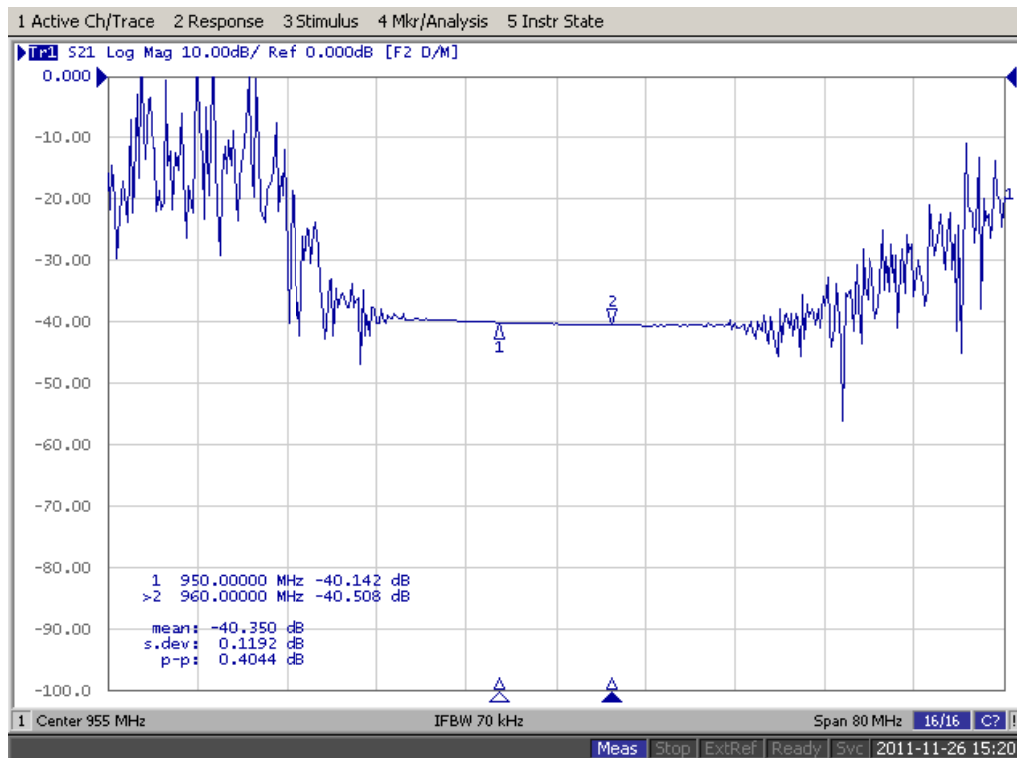
950~960MHz: ISOLATION (1735~1850MHz)



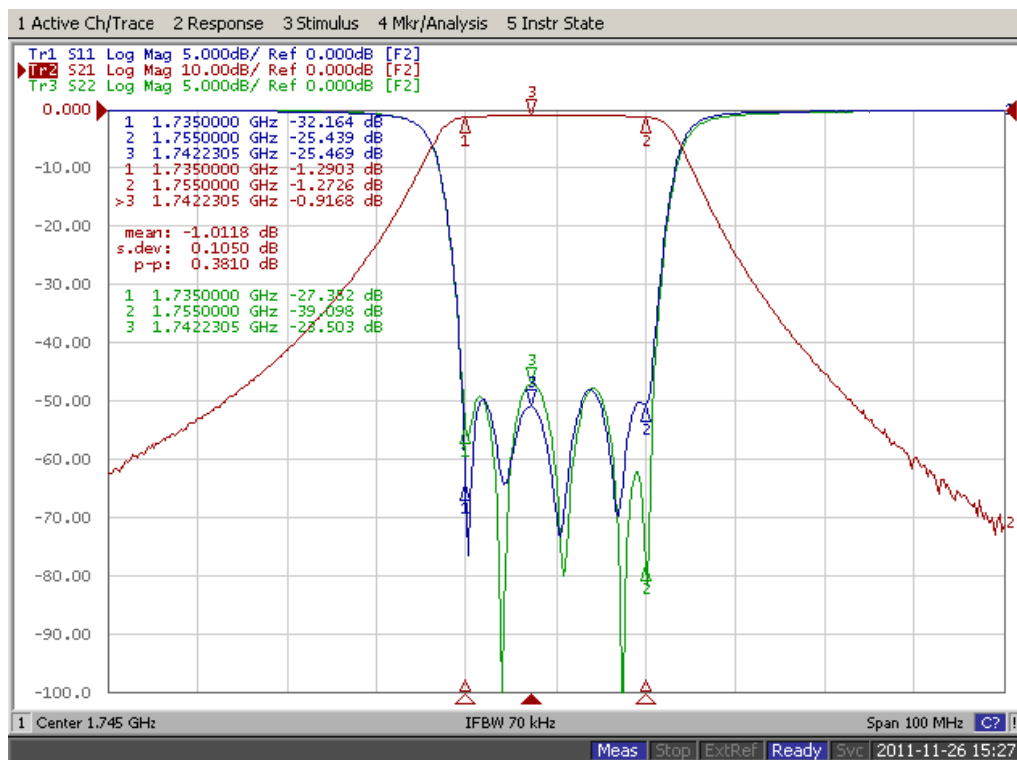
950~960MHz: 2nd HARMONIC



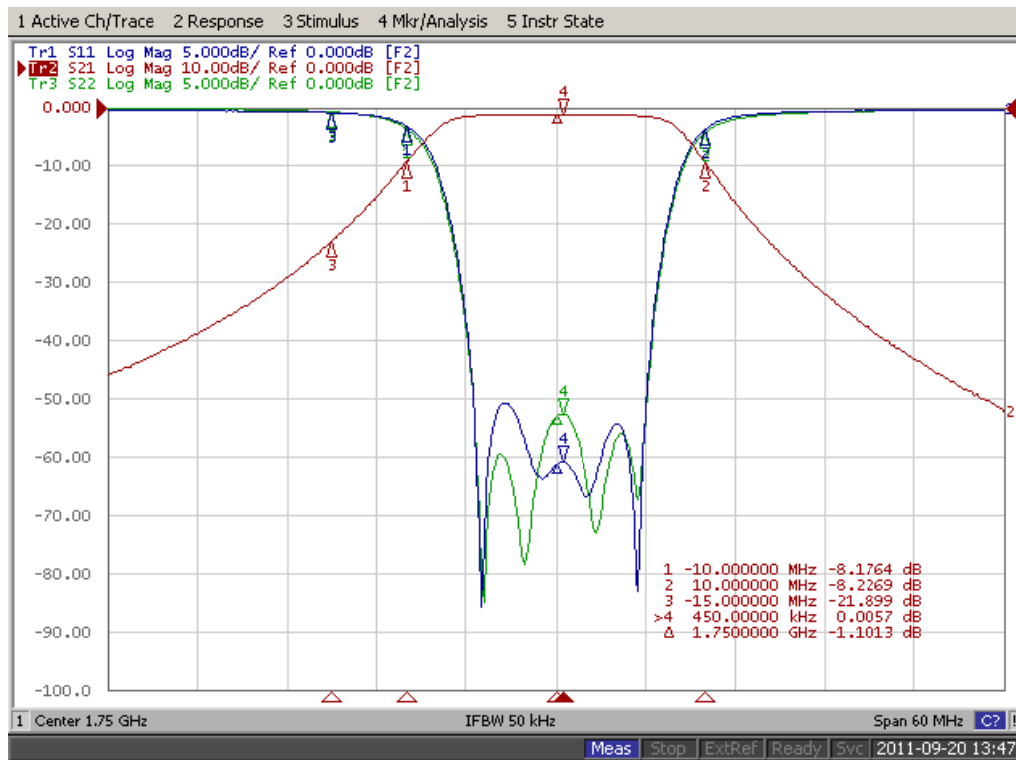
950~960MHz: CPL



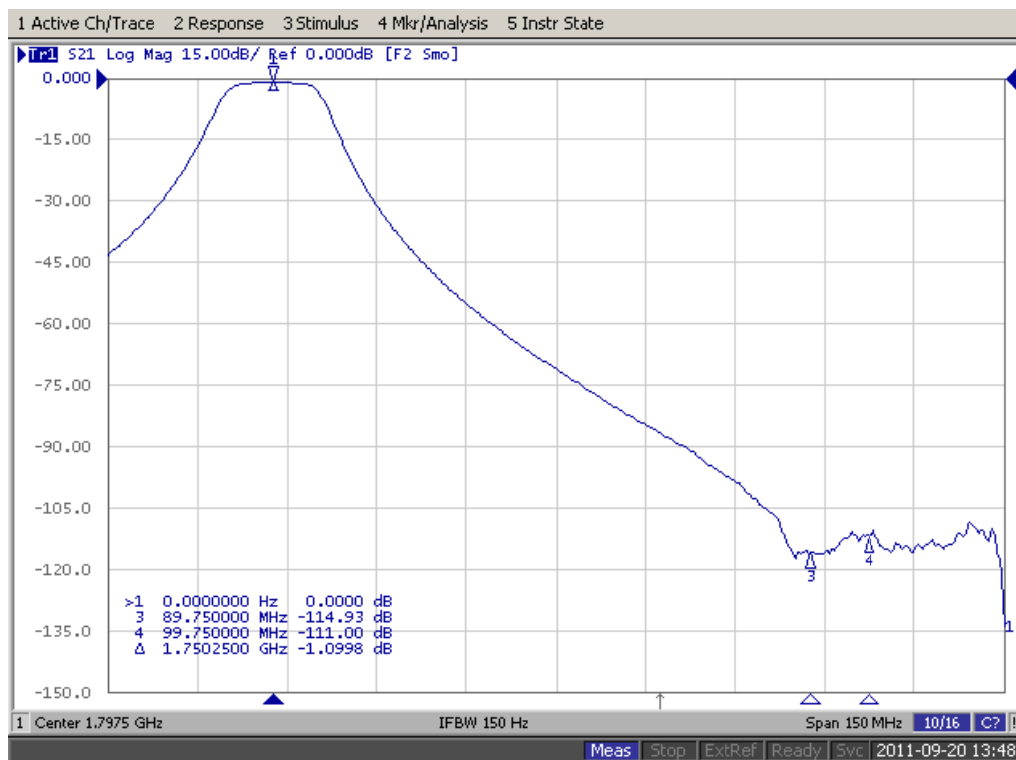
1735~1755MHz: INSERTION LOSS, RIPPLE, RETURN LOSS

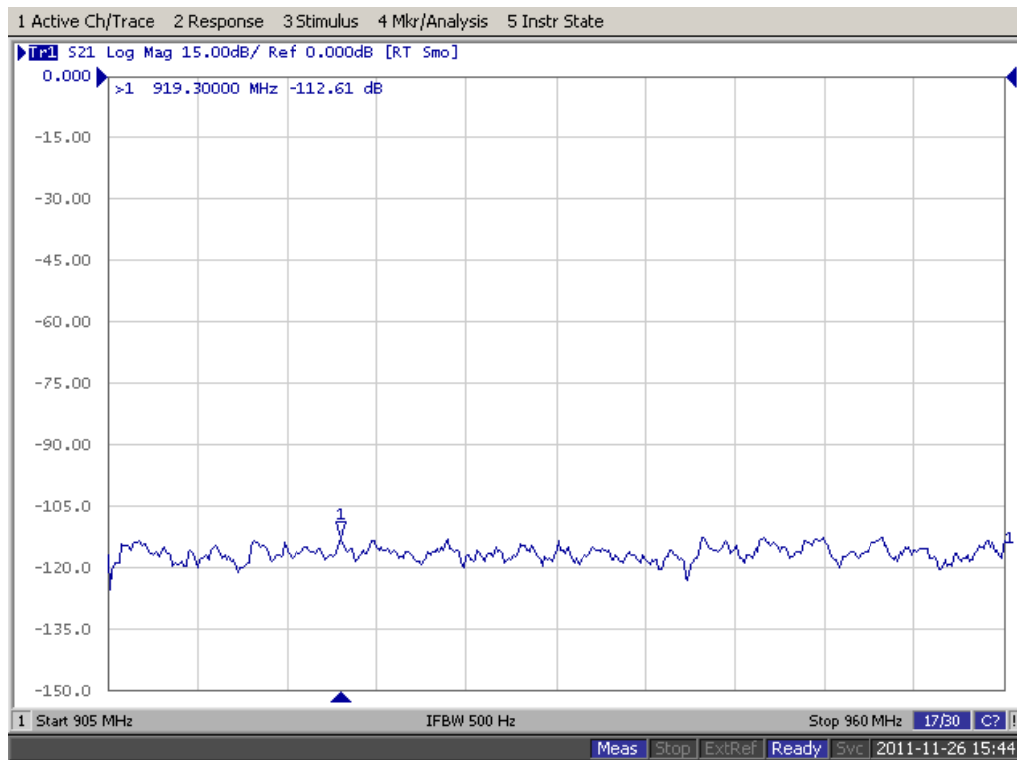
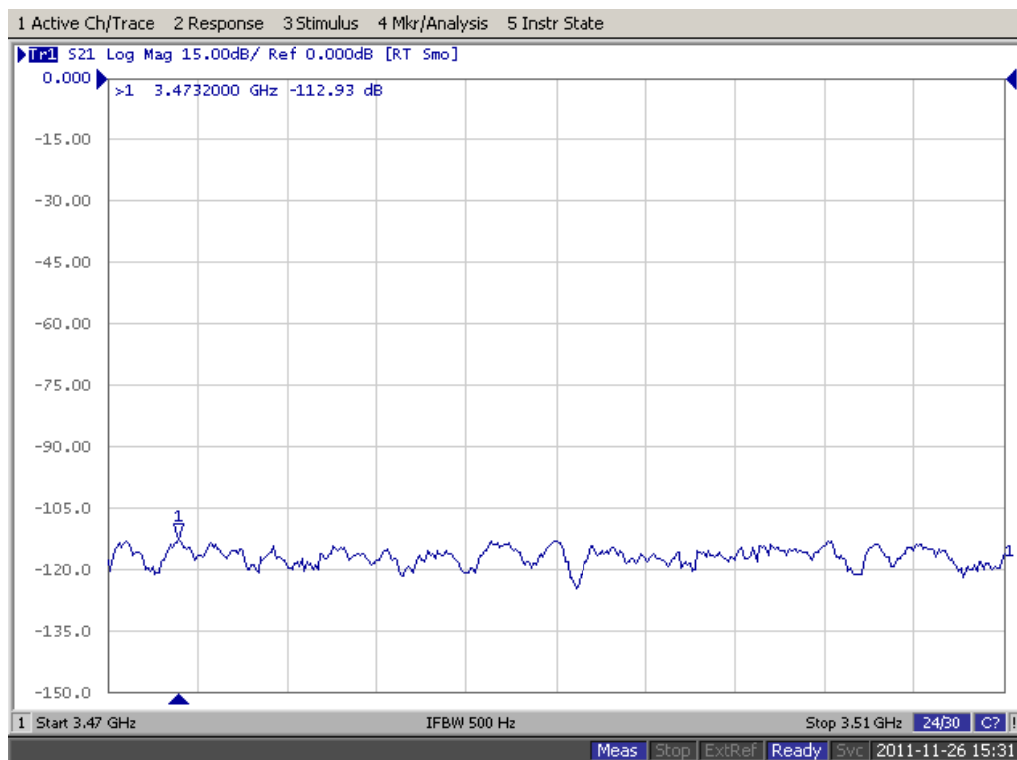


1735~1755MHz: ATTENUATION ($F_c \pm 15\text{MHz}$, $F_c \pm 20\text{MHz}$)

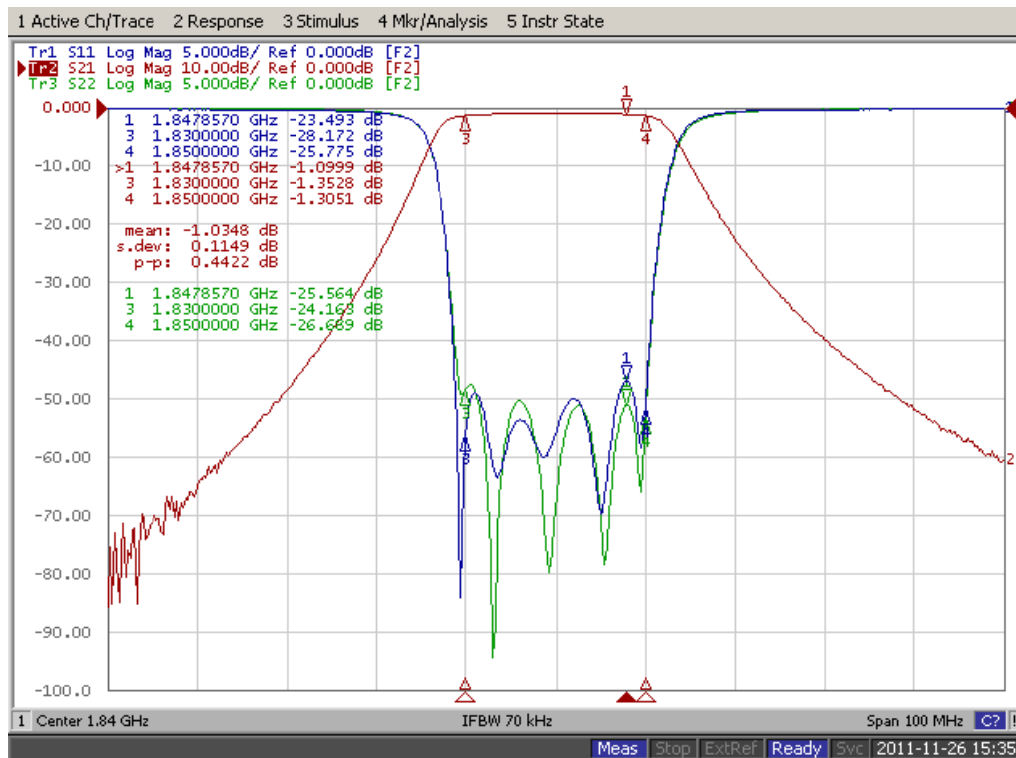


1735~1755MHz: ISOLATION (1830~1850MHz)

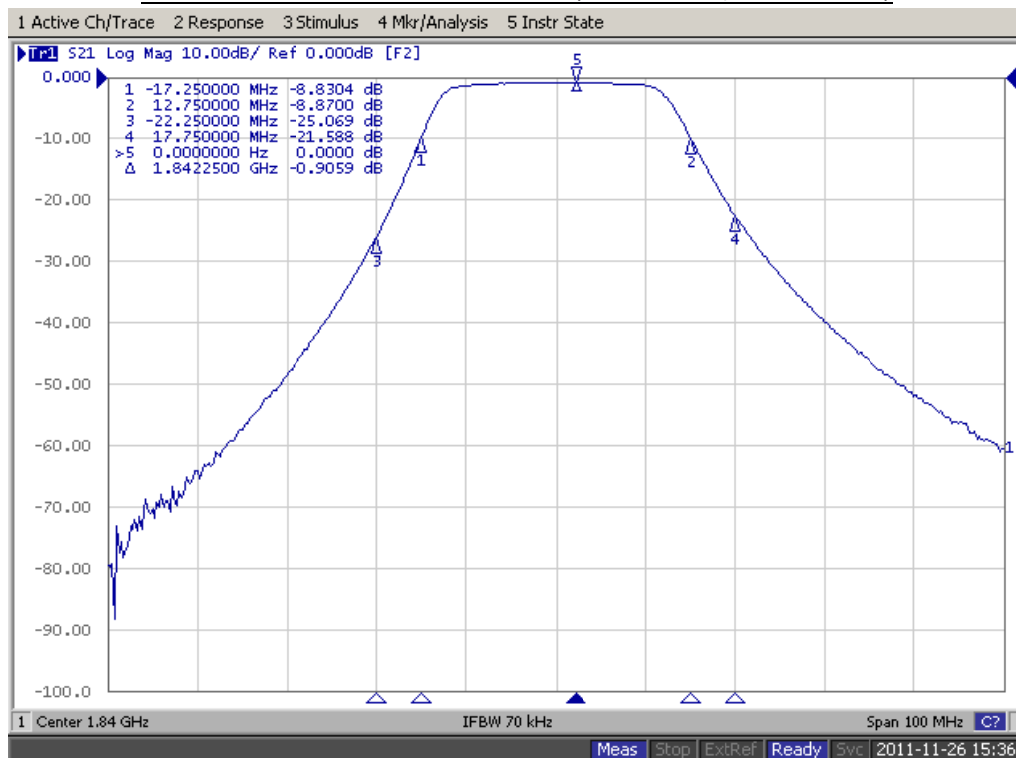


1735~1755MHz: ISOLATION (905~960MHz)1735~1755MHz: 2nd HARMONIC

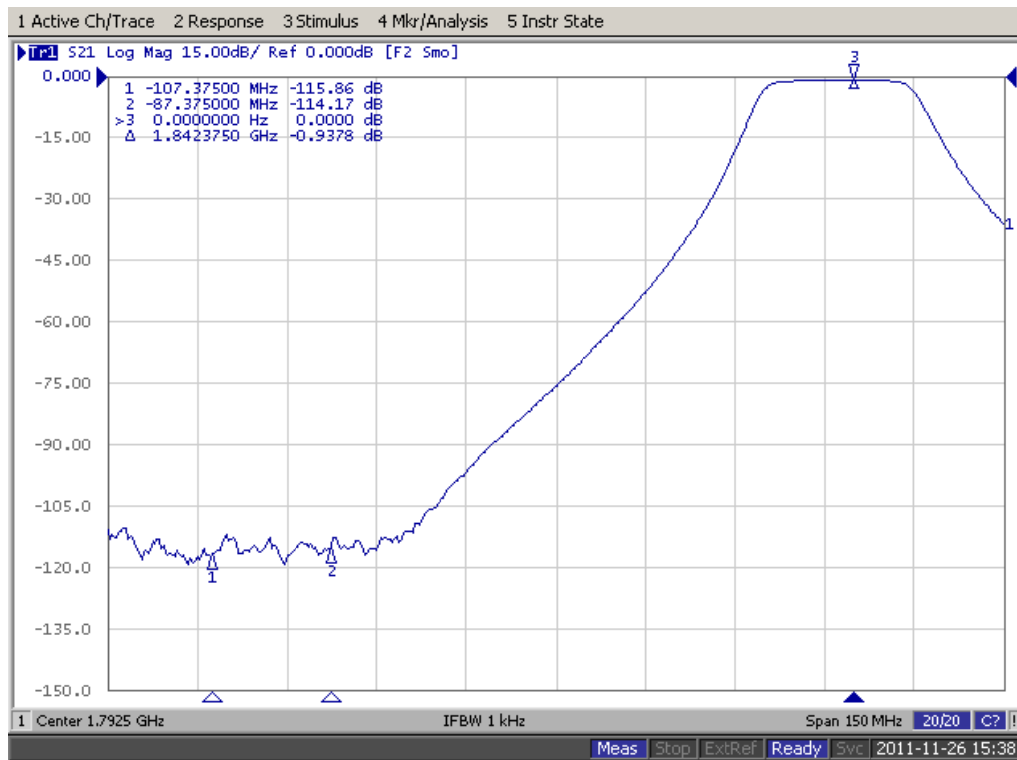
1830~1850MHz: INSERTION LOSS, RIPPLE, RETURN LOSS



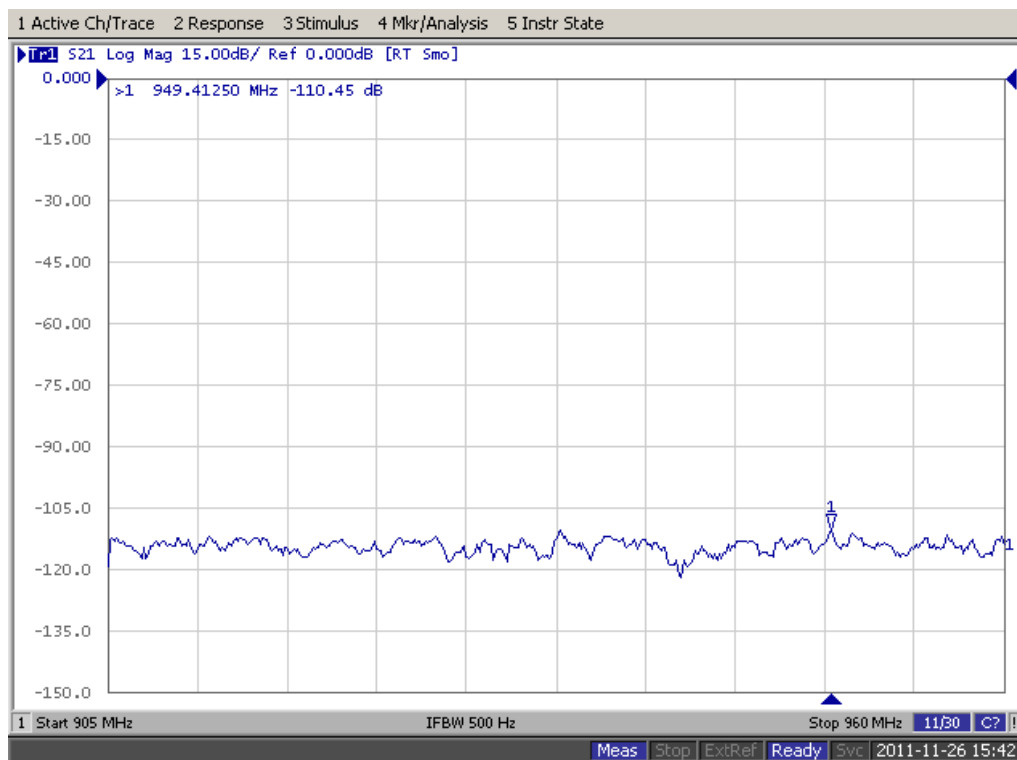
1830~1850MHz: ATTENUATION ($F_c \pm 15$ MHz, $F_c \pm 20$ MHz)



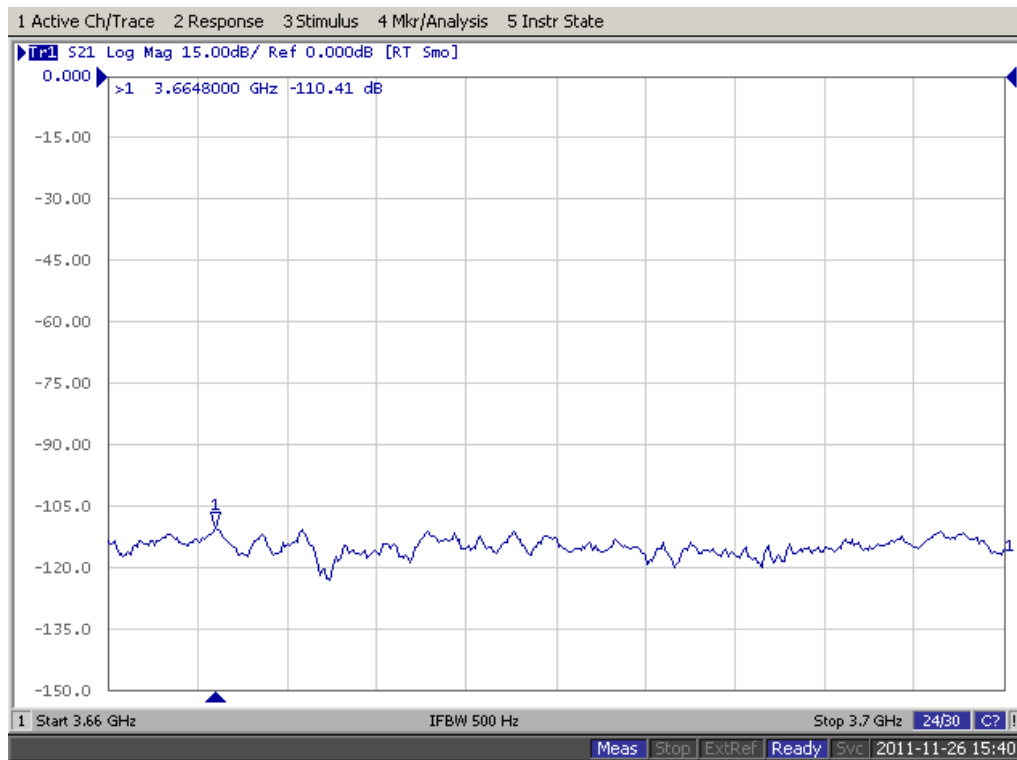
1830~1850MHz: ISOLATION (1735~1755MHz)



1830~1850MHz: ISOLATION (905~960MHz)



1830~1850MHz: 2nd HARMONIC



1830~1850MHz: CPL

