



CROSSFIRE

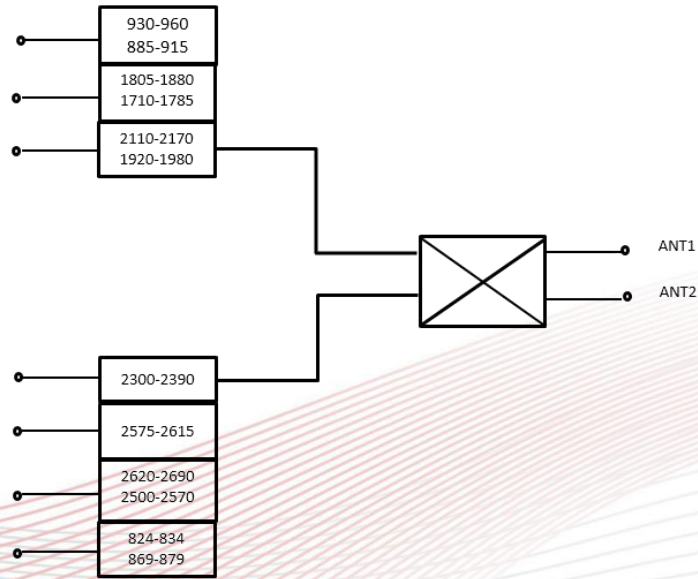
# Combiner

**BTI-CBHP-7IN2OUT-MY2**

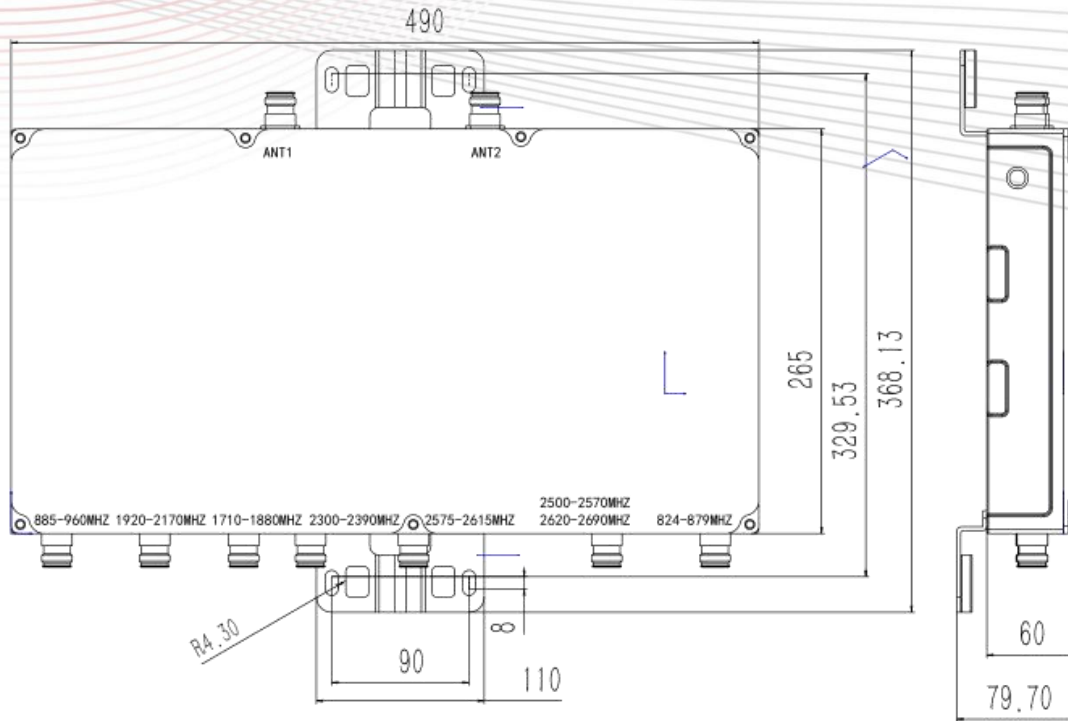
## Technical Specifications

Electrical			
	Port	Frequency (MHz)	Loss (dB)
Frequency(Port)	CH1	824-834&869-879	≤5.0
	CH2	885-915&930-960	≤5.0
	CH3	1710-1880	≤4.5
	CH4	1920-2170	≤4.5
	CH5	2300-2390	≤4.3
	CH6	2575-2615	≤6.0
	CH7	2500-2570&2620-2690	≤6.0
VSWR	≤1.3, Input only		
Rejection (dB)	CH1	≥80@1710-2690; ≥45@885-960	
	CH2	≥80@1710-2690; ≥45@824-879	
	CH3	≥50@1920-2690	
	CH4	≥50@2300-2690MHz; ≥50@885-1880MHz	
	CH5	≥50@2500-2690MHz; ≥50@885-2170MHz	
	CH6	≥50@885-2570MHz; ≥50@2620-2690MHz	
	CH7	≥50@885-2390 MHz; ≥50@2575-2615MHz	
Isolation	≥45 between 850 and 900		
	≥50 between other bands		
Power	100 Watts (Average)		
IMD	-155dBc (2*43dBm)		
Connector	Input: 7 x 4.3-10 Female; Output: 2 x DIN Female		
Impedance	50 Ω		
Temp	-40°C--+85°C		
IP Rating	IP65		
MTBF	>100000 h		

Schematic diagram

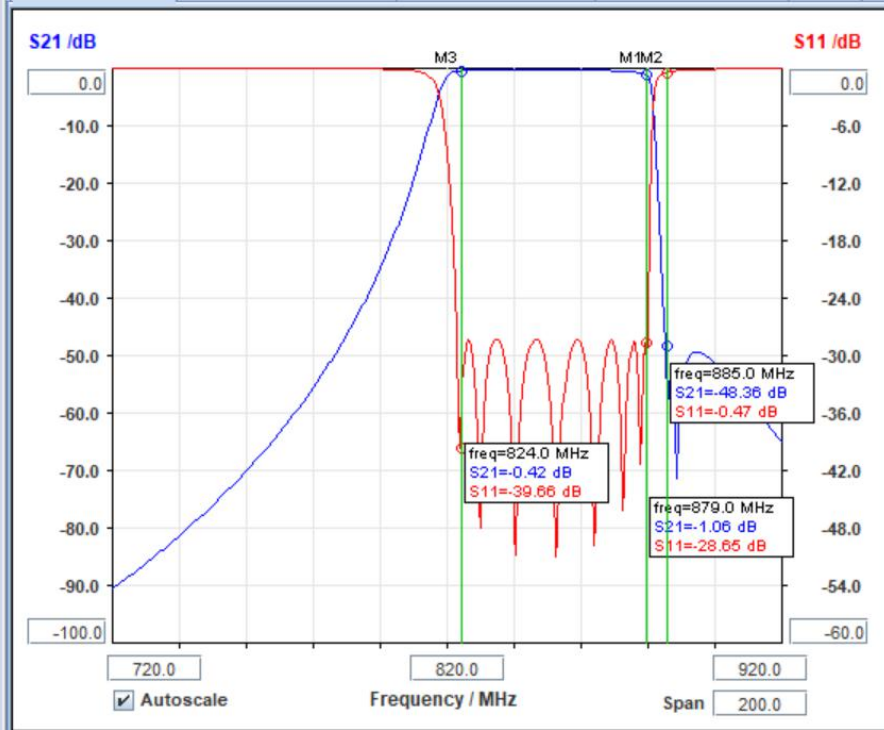


Drawing Pending

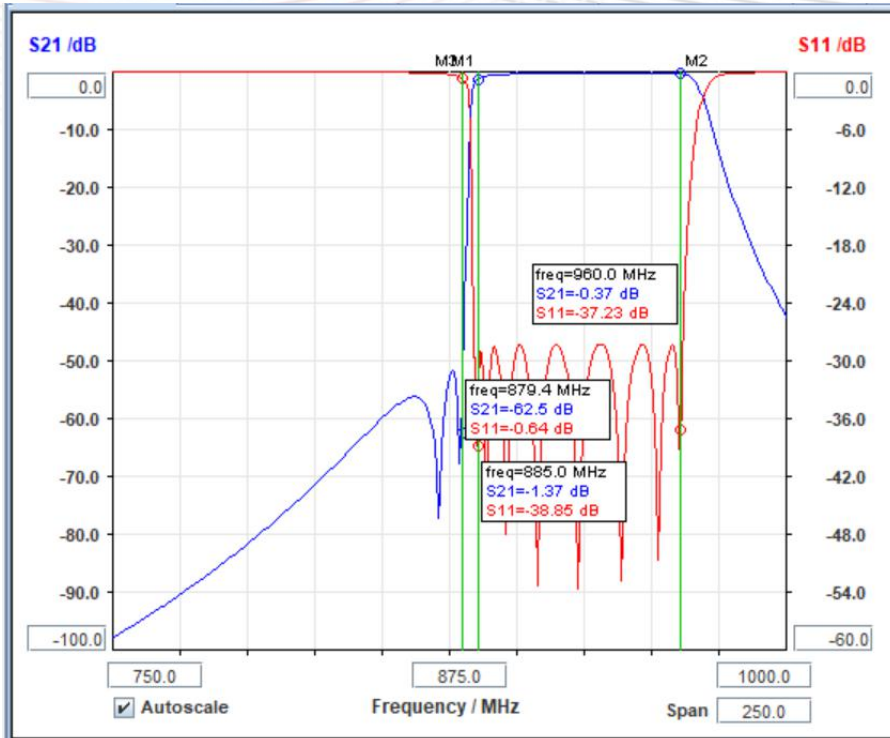


Simulation plot

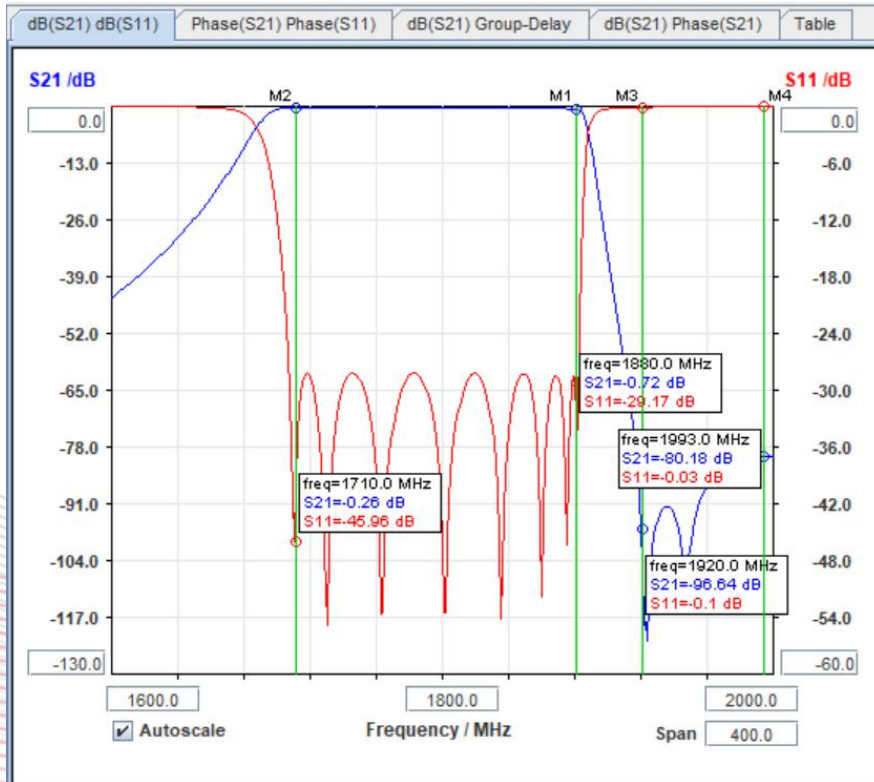
824-879



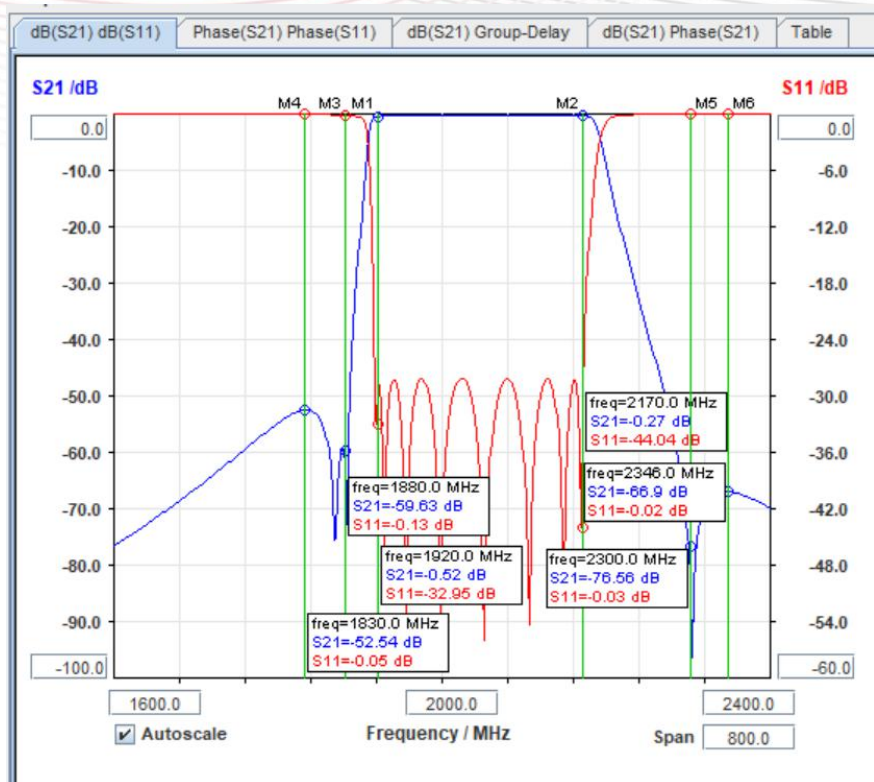
885-960



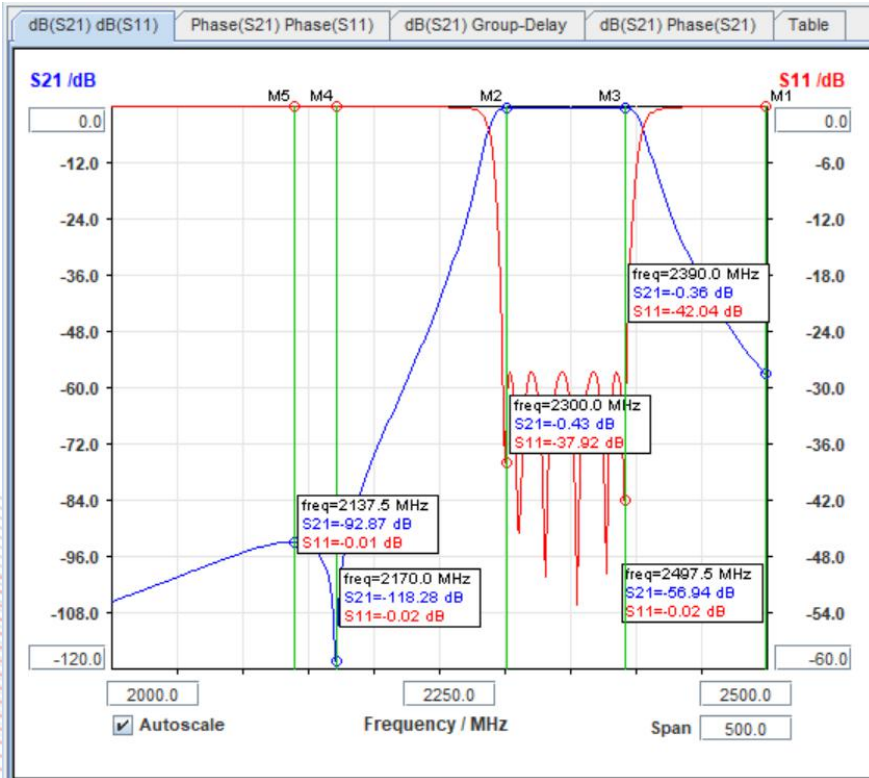
1710-1880



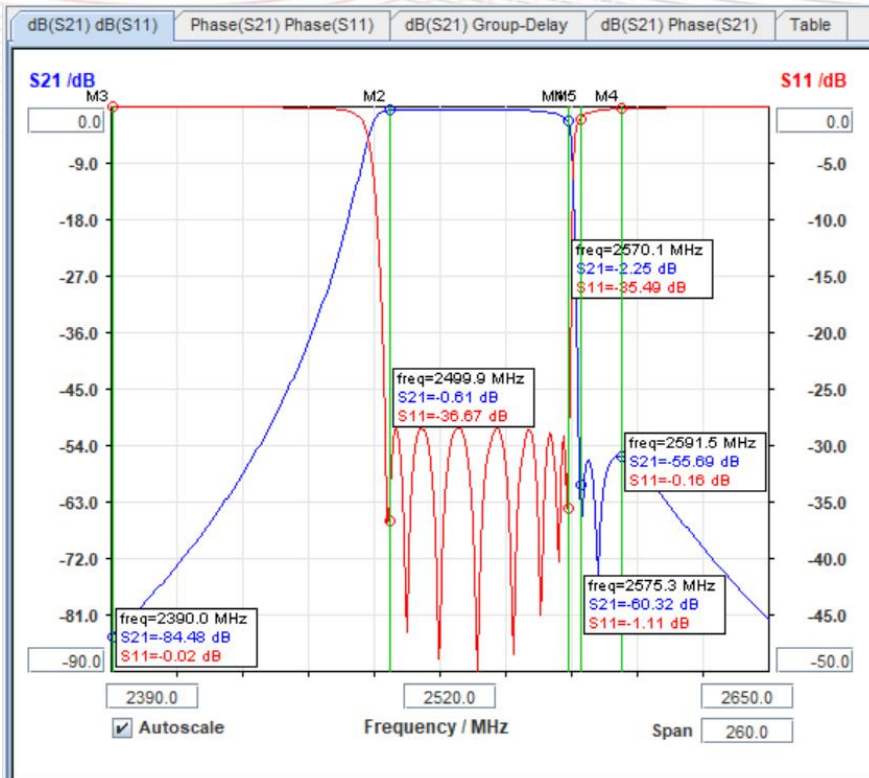
1920-2170



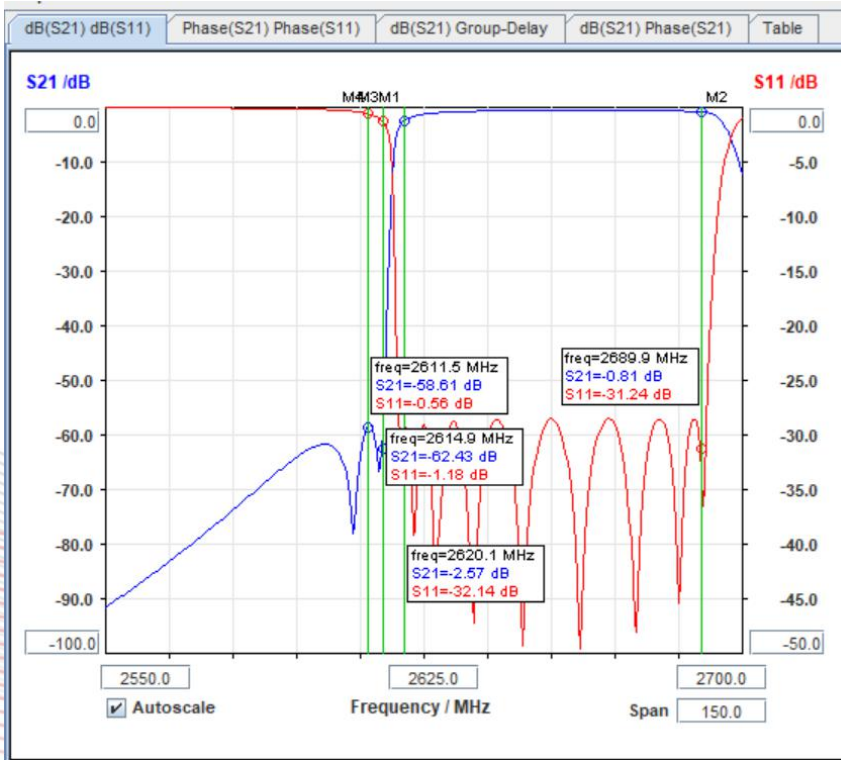
2300-2390



2500-2570



2620-2690



2575-2615

