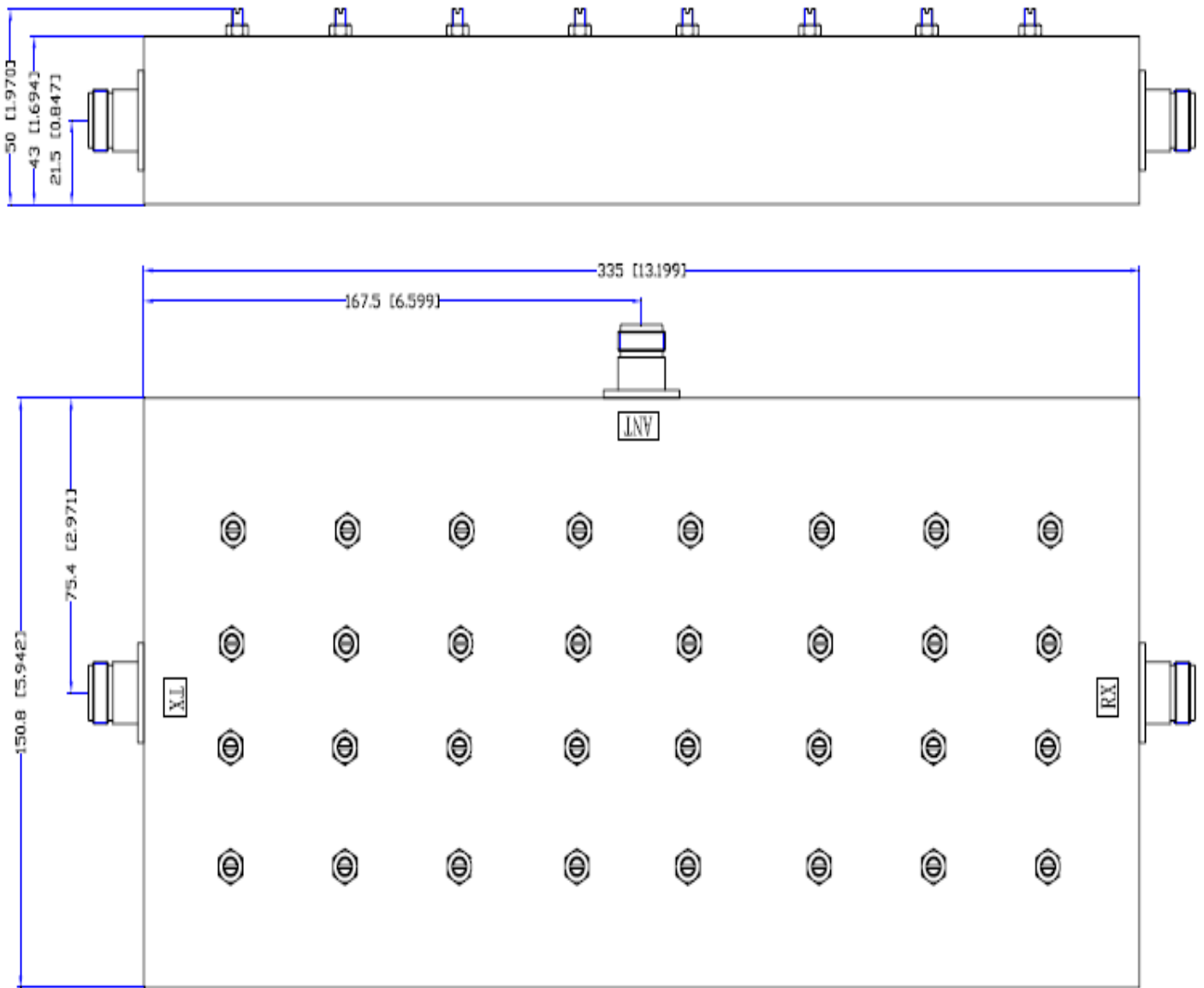




## EGSM/DCS Dual Band Duplexer CSG 1901800 NX

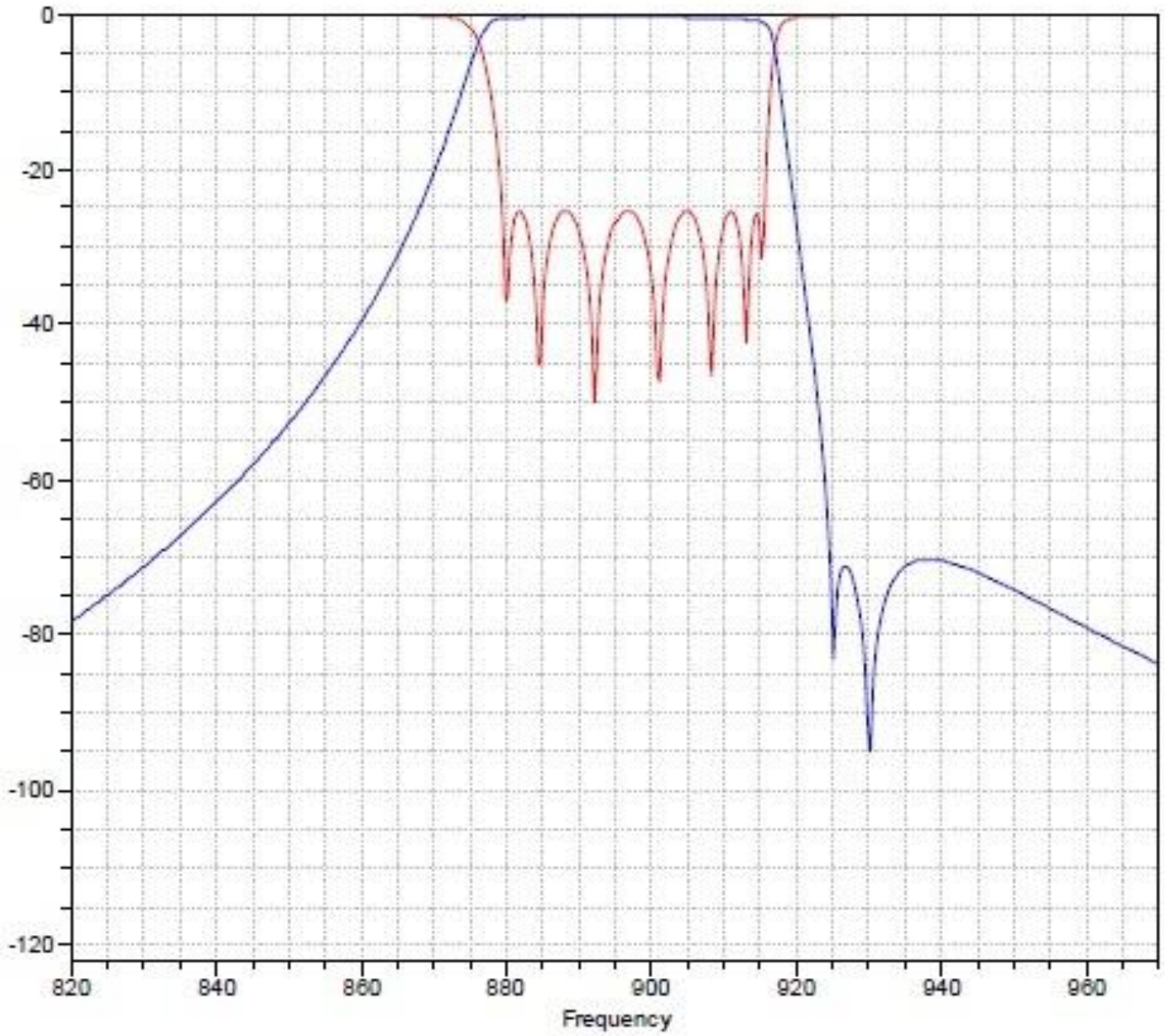
PARAMETERS	SPECIFICATION	
Ports	RX	TX
Frequency Band	880 ~ 915 MHz 1710 ~ 1785 MHz	925 ~ 960 MHz 1805 ~ 1880 MHz
Insertion Loss	EGSM: $\leq 1.2$ dB DCS: $\leq 1.0$ dB	
Band Ripple	$\leq 0.8$ dB	$\leq 0.8$ dB
Return loss	$\leq -14$ dB	$\leq -14$ dB
Rejection	$\geq 50$ dB @ DC ~ 845 MHz $\geq 50$ dB @ 925 ~ 1630 MHz $\geq 50$ dB @ 1805 ~ 2550 MHz	$\geq 50$ dB @ DC ~ 915 MHz $\geq 50$ dB @ 995 ~ 1785 MHz $\geq 50$ dB @ 1960 ~ 2550 MHz
Isolation	$\geq 50$ dB @ 880 ~ 915 MHz, 925 ~ 960 MHz $\geq 50$ dB @ 1710 ~ 1785 MHz, 1805 ~ 1880 MHz	
Power Rating	100 Watt CW 1000 Watt Peak	
Impedance	50 $\Omega$	
Connectors	N-Female	
Temperature	0 ~ + 50 °C	
Dimension (Approx)	355 × 150.8 × 50 mm	
Surface Finish	Black paint	

# Structure Drawing:

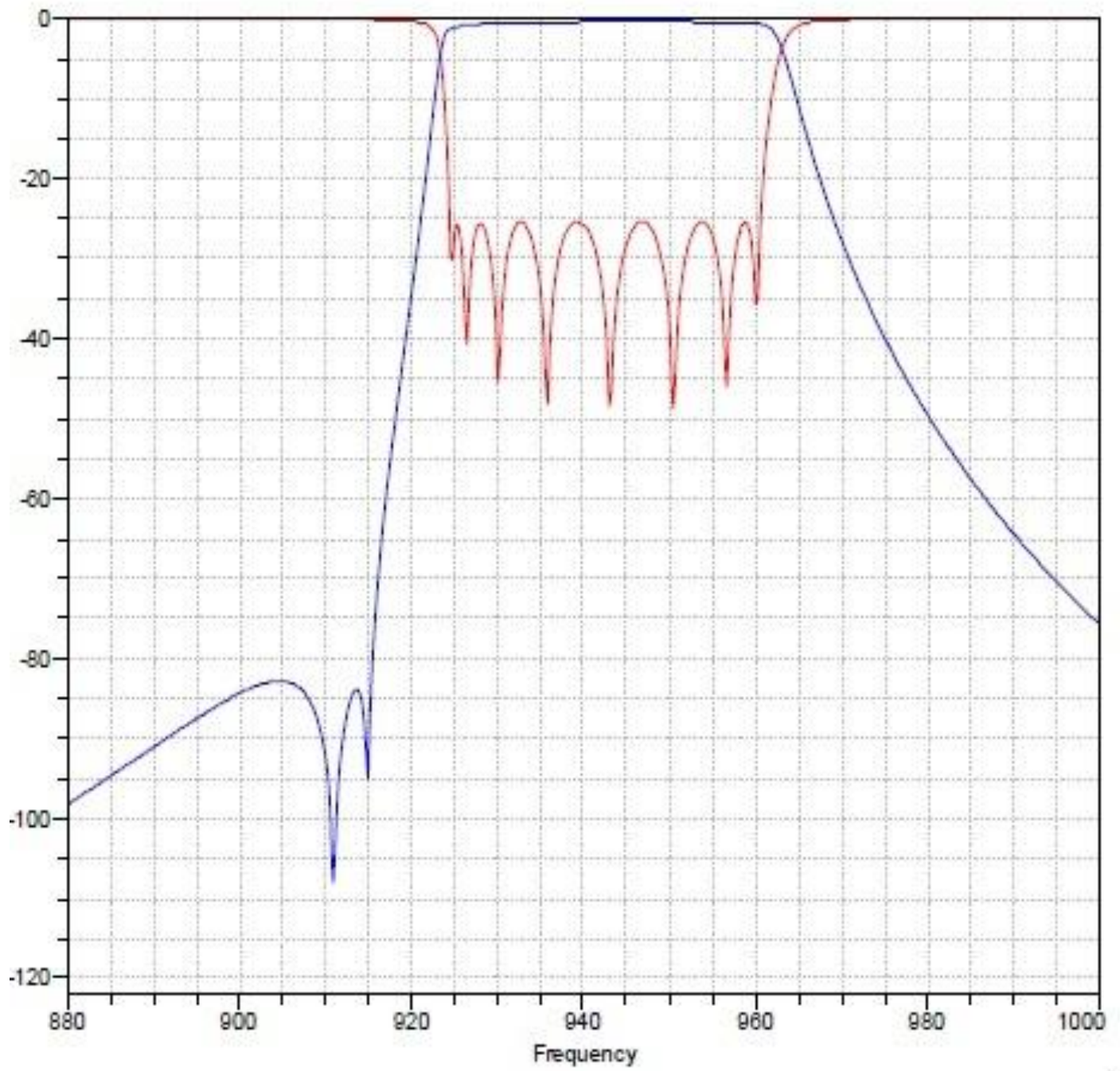


# EGSM+DCS Dual Band Duplexer Simulation Plot :

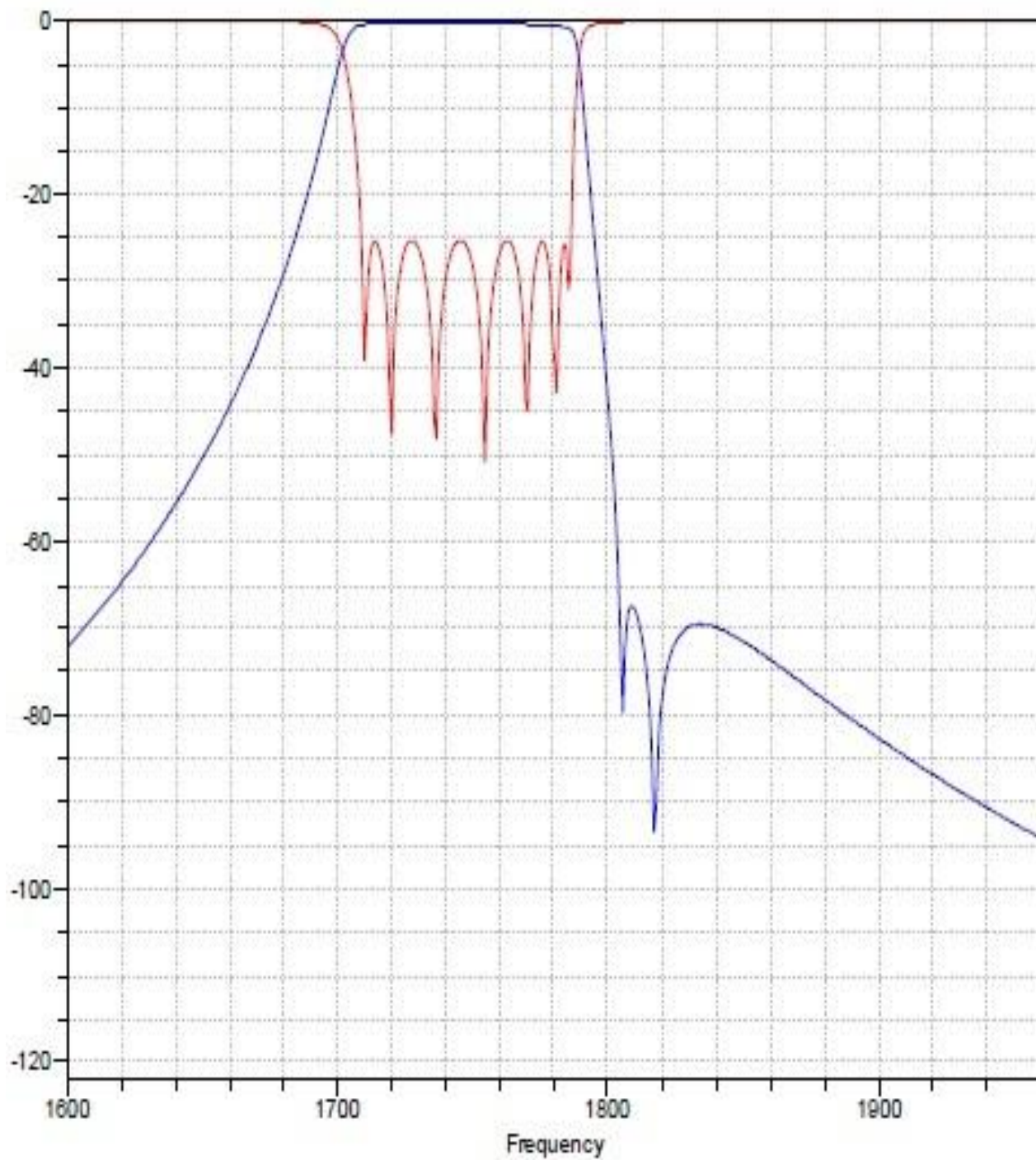
1. 880~915 MHz



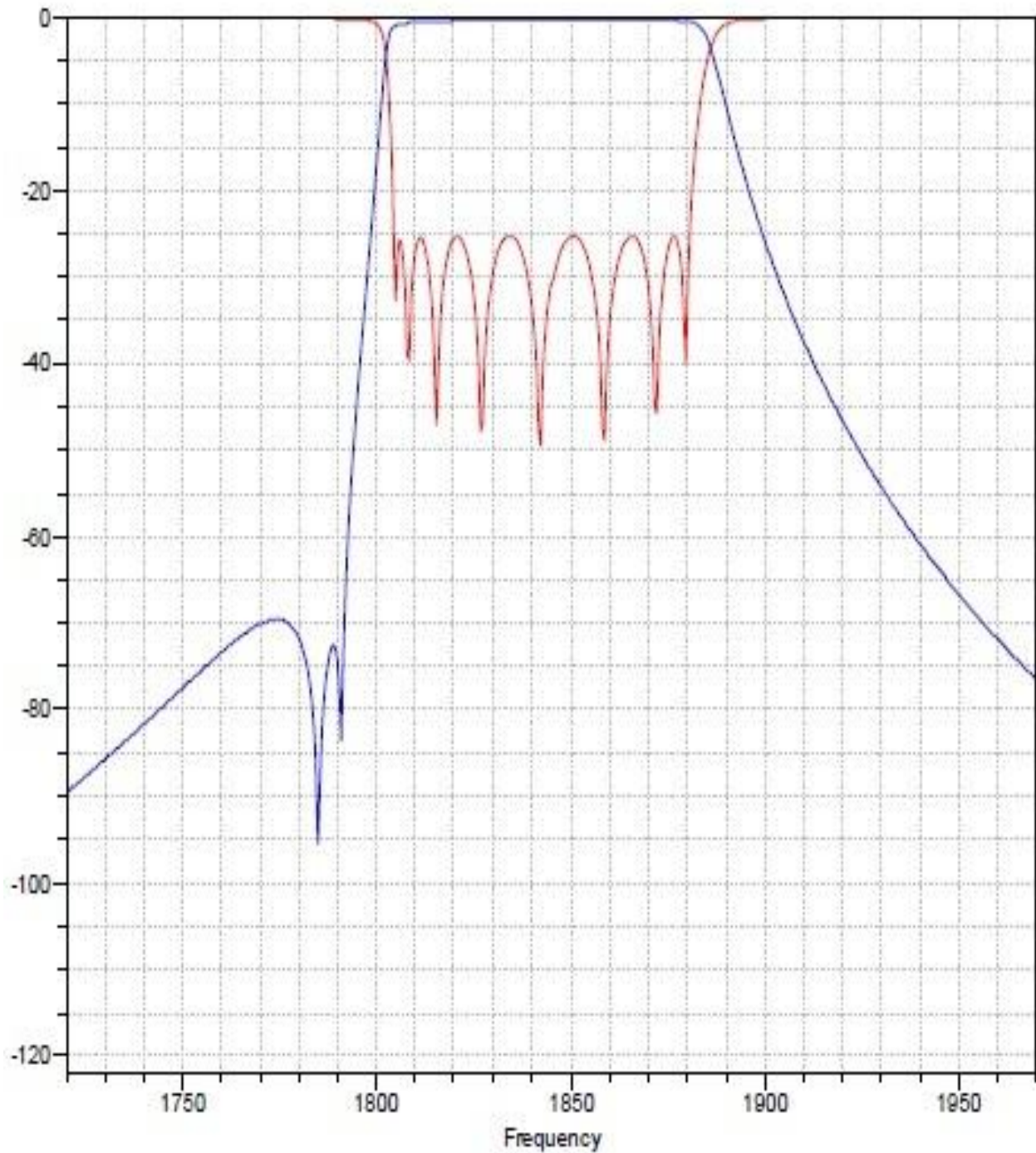
2. 925~960 MHz



### 3. 1710~1785 MHz



#### 4. 1805~1880 MHz



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