2.5GHz - 2.7GHz LTE Band Duplexer

(Model: AMA-4526)

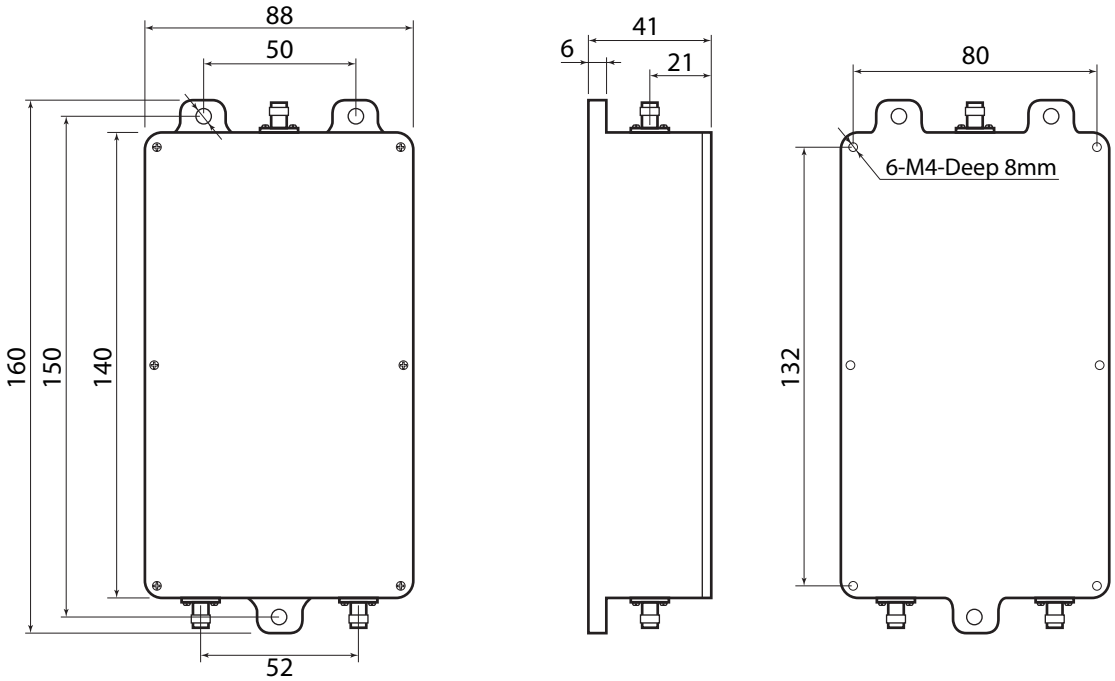
Description

AMA-4526 is a high performance duplexer, specially designed for LTE systems working in 2.5-2.7GHz band. It features flat amplitude and phase response, high isolation, low insertion loss and low group delay.

AMA-4526 is ideal for wideband high-speed digital radio applications, such as LTE and Wi-Max systems.

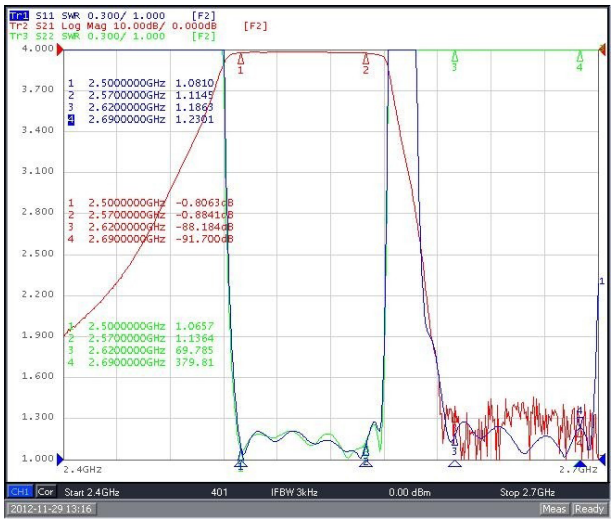
Specifications

	RX	TX
Pass Band Range	2500 MHz - 2570 MHz	2620 MHz - 2690 MHz
Bandwidth	70 MHz	70 MHz
Pass Band Insertion Loss	1.0 dB (max)	
Pass Band Ripple	0.7 dB (max)	
Pass Band Return Loss	-18 dB (min)	
Isolation (RX ↔ TX)	75 dB (min); 80 - 90 dB (typical)	
In/Out Impedance	50 ohm	
RF Power Capability CW	20 Watts CW	
In/Out Port	SMA Female	

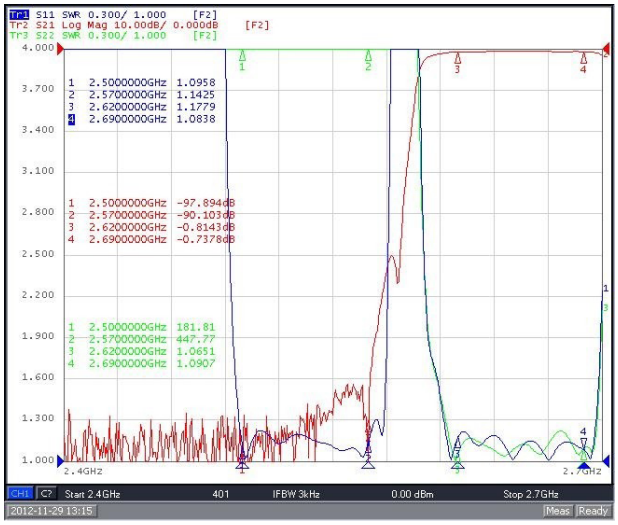


Test Results

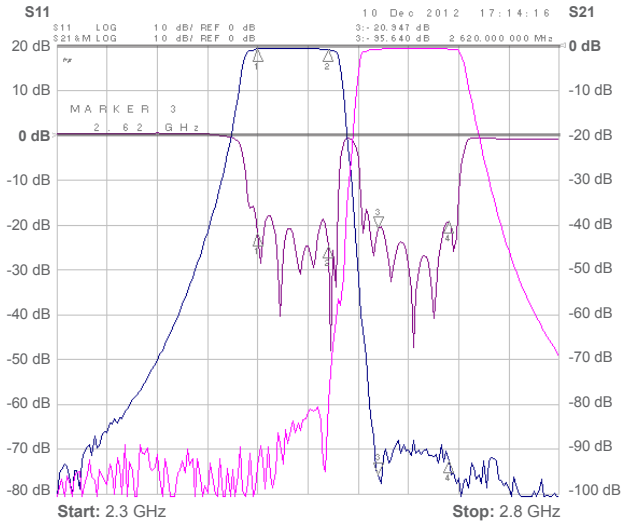
Low-End (RX) Band Response



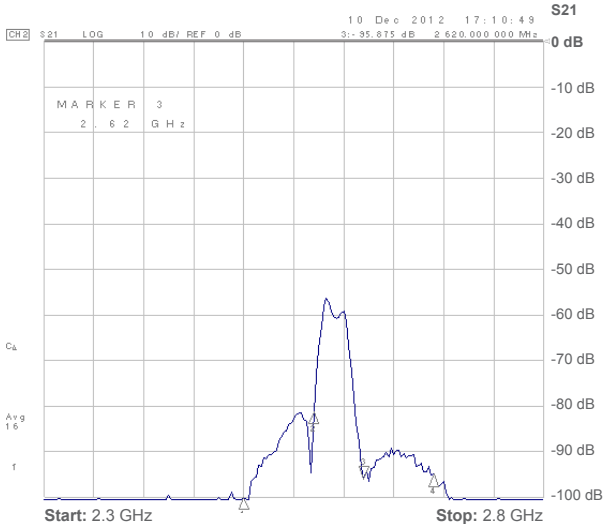
High-End (TX) Band Response



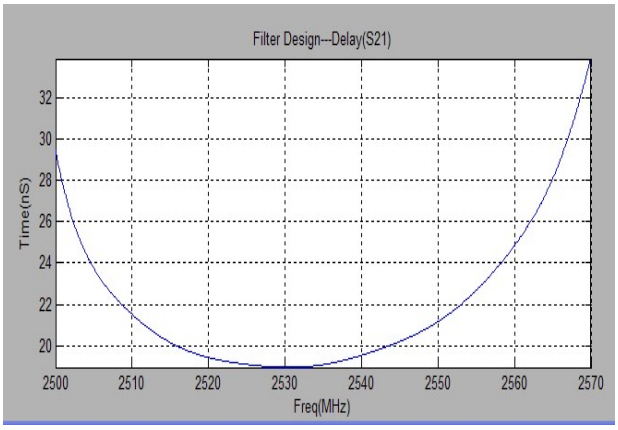
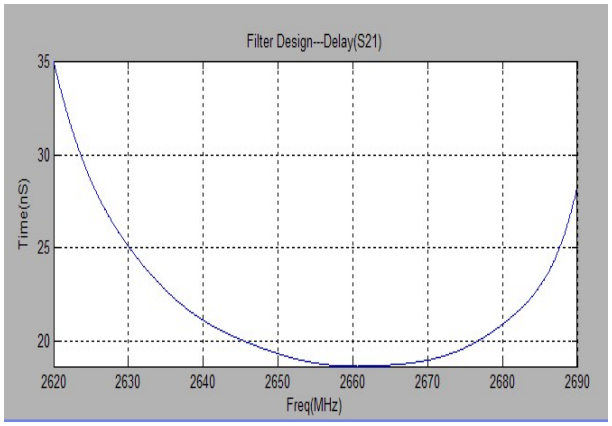
Insertion Loss and Return Loss



Isolation



RX Group Delay



TX Group Delay