

## Diplexer TV/SAT

Using diplexer DX-6 it is possible to combine or divide TV and SAT frequencies. Low insertion loss in pass-band and high attenuation in stop-band provide for stable noise free and interference free work of SAT/TV networks.

### Key features:

- Low insertion loss
- High attenuation >40dB in stop-band
- Wideband
- DC-pass into SAT-port
- High rated current in SAT-port
- Reliable and compact



Figure 1: DX6 - TV/SAT diplexer.

### Application areas:

- L-band systems
- Private house antenna systems
- MATV/CATV

### Technical specifications:

Number of ports	3
Frequency range:	
Common port $\leftrightarrow$ TV port	5-862MHz
Common port $\leftrightarrow$ SAT+DC port	0-100kHz, 950-2150MHz
Attenuation in pass-band:	
5MHz	0.3dB
500MHz	0.5dB
800MHz	1.3dB
1000MHz	1.3dB
1600MHz	1.1dB
2100MHz	1.7dB
Return loss	>10dB
Attenuation in stop-band:	
5MHz	> 30dB
500MHz	> 45dB
800MHz	> 37dB
1000MHz	> 20dB
1600MHz	> 39dB
2100MHz	> 30dB
Max. rated current into SAT+DC port	700mA
Impedance	75 $\Omega$
Connector type	F-female
Dimensions	50 x 53 x 30mm

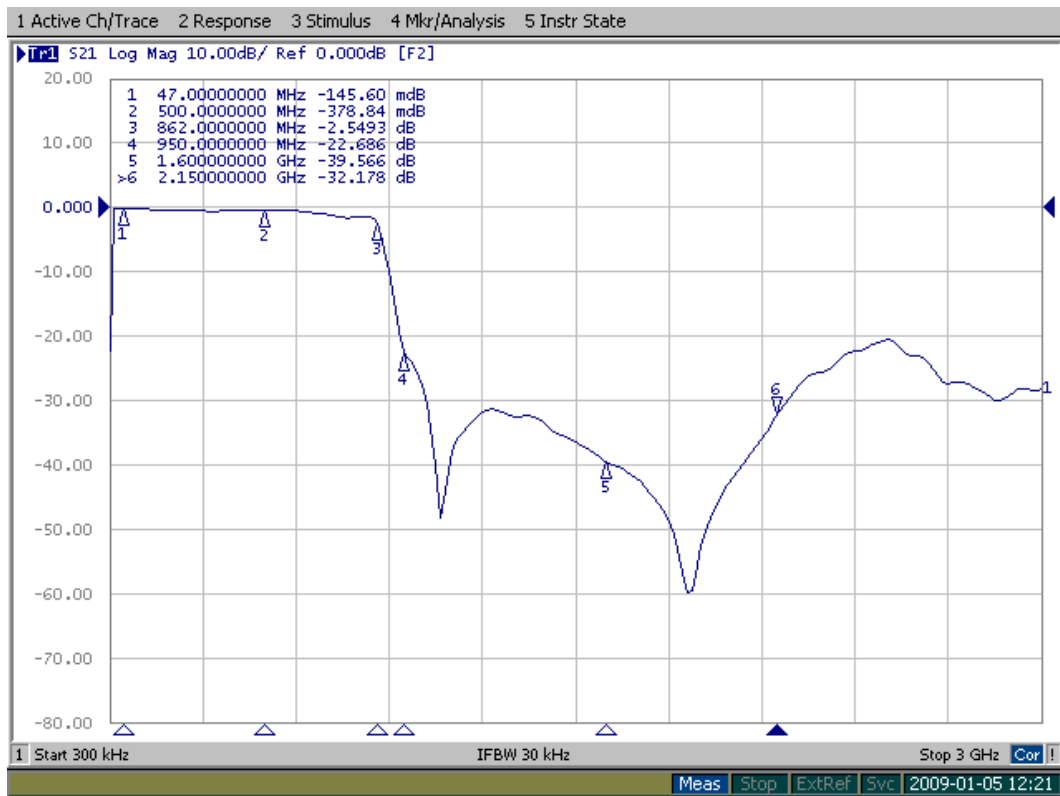


Figure 2: Example of transfer function Common port<>TV.

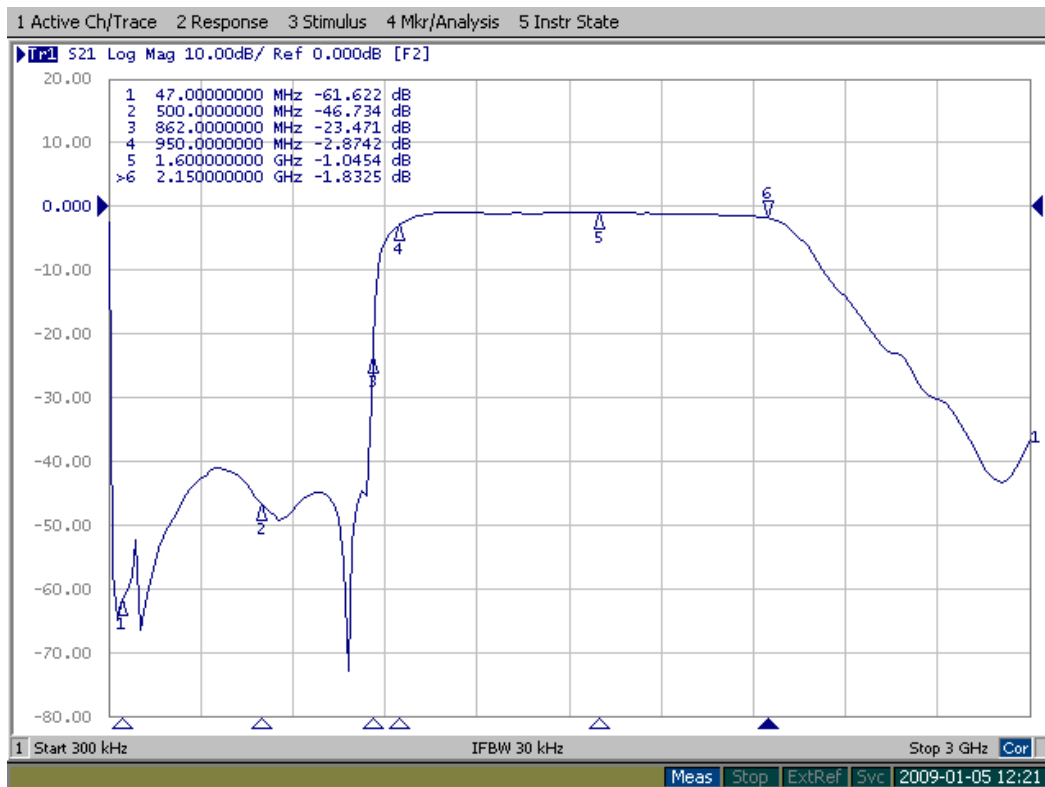


Figure 3: Example of transfer function Common port<>SAT.