

Wideband 10dB power tapper

PTP2-0524-10N power tapper provides attractive possibility for non-uniform dividing RF-signals in very wide frequency range 500MHz up to 2400MHz.



Figure 1: PTP2-0524-10N Top view

Technical specifications:

Number of ports	3
Operating frequency bands:	500-2400MHz
Insertion loss IN \leftrightarrow OUT 1.0dB:	above tapped off power approx. 0.5dB
900MHz	0.3dB
1800MHz	0.6dB
2200MHz	0.8dB
Coupling IN \leftrightarrow OUT 10.0dB:	
900MHz	10.5dB
1800MHz	9.8dB
2200MHz	9.1dB
Coupling flatness	above nominal 10dB \pm 1.2dB
Return loss	>13dB in operating bands
Isolation OUT 1.0dB \leftrightarrow OUT 10.0dB:	above nominal 10dB
900MHz	> 19dB
1800MHz	> 17dB
2200MHz	> 12dB
Max. input power	1W
Impedance	50 Ω
Connectors	N-female
Dimensions	117 x 60 x 35mm

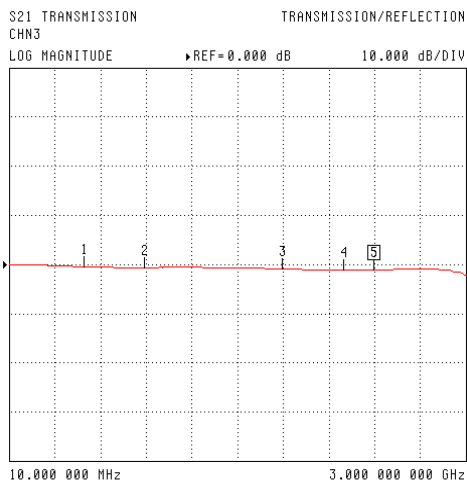


Figure 2: Example of transmission IN<OUT 1.0dB

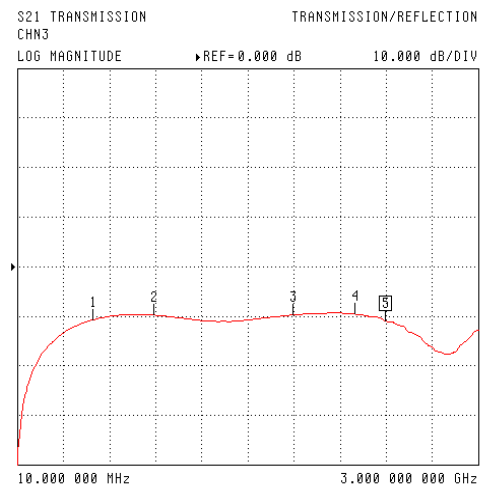
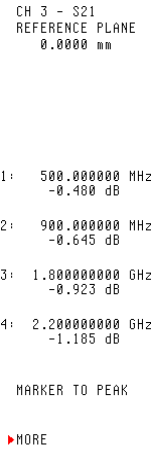


Figure 3: Example of transmission IN<OUT 10.0dB

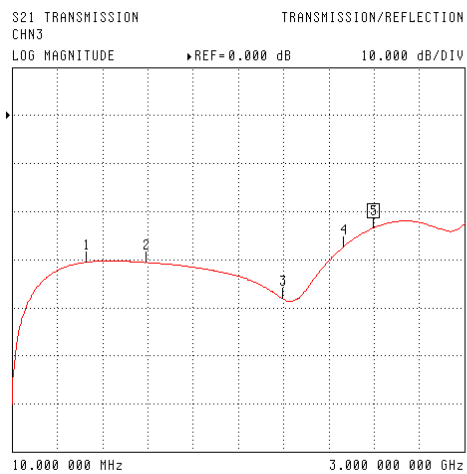
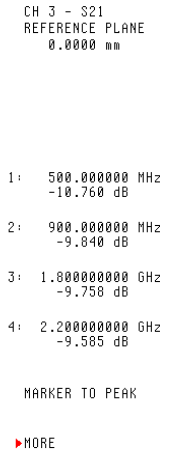


Figure 4: Example of transmission OUT 1.0dB<OUT 10.0dB

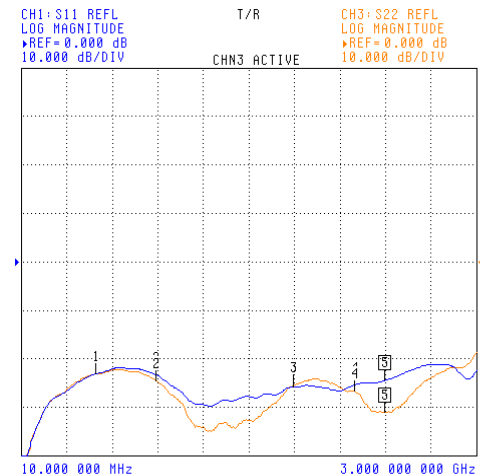
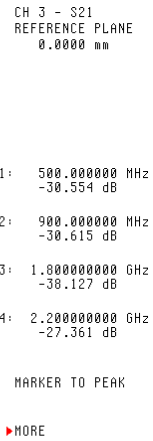


Figure 5: Example of return loss for IN (S11) and OUT 1.0dB (S22)

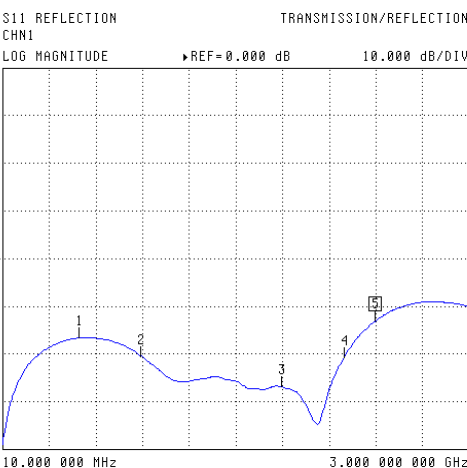
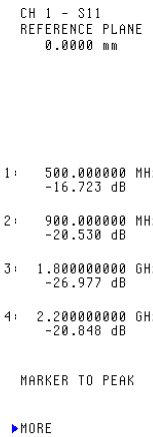


Figure 6: Example of return loss for OUT 10.0dB



NOTE: Shown in all images on the current page marker №5 is fixed at 2.4GHz.