

## Space Attenuators

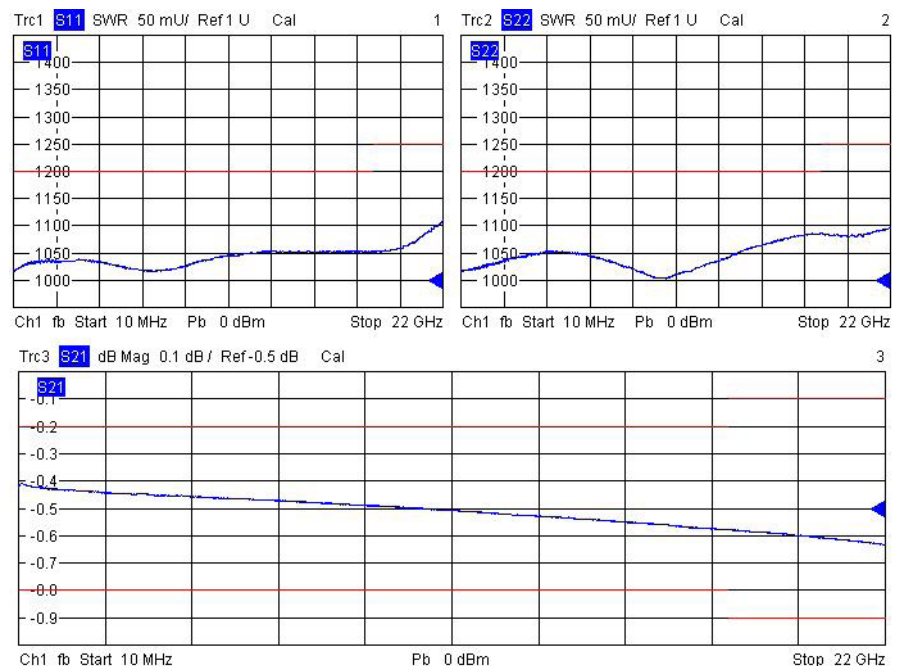
### Improving Space Performance

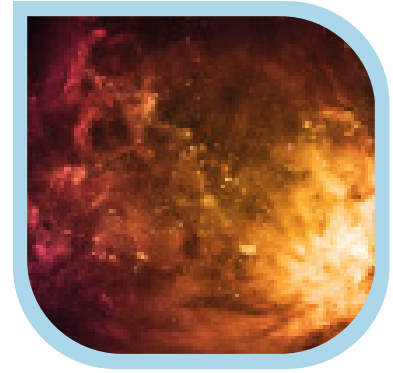
As the space industry continues to evolve, Radiall has developed a new 22 GHz space attenuator offer, with increased RF performance and robustness in order to meet stringent demands.



With only internal modifications and a different manufacturing process, Radiall's 22 GHz space attenuators are a perfect solution to meet market expectations.

#### Typical curves of a 0.5dB attenuator





## The perfect solution for space applications where high performance and resistance to severe environments are required.

### Improving Space Performance



The same improvement is also available on space 22 GHz terminations.

#### Performance

Attenuation	dB	0 (DC shunt) - 6.5	7 - 10	11 - 20
Dissipated Power	W	2		
Power Handling Derating		From +70°C		
Attenuation Tolerance vs Frequency	0 < F ≤ 18 GHz, dB (±)	0.3	0.4	0.4
	18 < F ≤ 22 GHz, dB (±)	0.4	0.5	0.6
VSWR	0 < F ≤ 18.4 GHz	<1.20		
	18.4 < F ≤ 22 GHz	<1.25		
Tests	Shocks, g	2000		
	Random vibrations, grms	50		
	Thermal cycling	-55°C to +125°C		

#### Features & Benefits

- Better VSWR with improved RF power handling capability
- More robust
- Higher vibration and shock level
- Resistance to a larger temperature range
- Same dimensions as previous generation
- Glitch free

#### Applications

- Space payload