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756

Product Note 37

0.8 to 18 GHz Tuner with Very High VSWR, option HR-308 and HR-1803

The coaxial programmable tuners, model CCMT-1808, can generate maximum VSWR of at least 10:1 ($\Gamma \geq 0.82$) in the entire frequency range of 0.8 to 3 GHz and 3 to 18 GHz. For specific applications these tuners can be upgraded to provide higher VSWR capability between 20:1 ($\Gamma \approx 0.9$) and 40:1 ($\Gamma \approx 0.95$). This is possible using modified RF slugs with thinner dielectric coating and special alignment.

Tuner Characteristics

	Model CCMT-1808	Option HR-308	Option HR-1803
Frequency Range	0.8 - 18 GHz	0.8 - 3 GHz	3.5 - 18 GHz
VSWR min	1.1:1	1.1:1	1.1:1
VSWR max	10:1	>20:1 (fig. 2)	>20:1 (fig. 3)
RF Connectors	GPC-7	GPC-7	GPC-7
RF resetability	55 dB min	55 dB min	55 dB min

METHODS & SPECIFICATIONS ON
THIS PRODUCT HAVE BEEN IMPROVED
CONTACT FOCUS FOR THE LATEST
TECHNOLOGY.

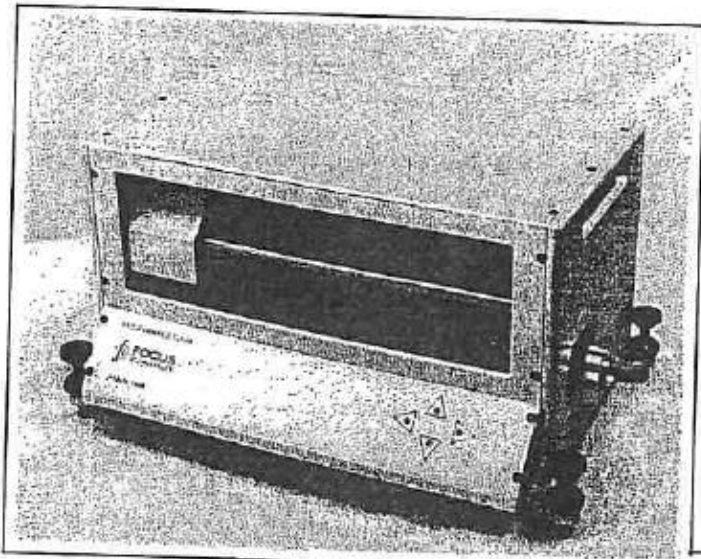


Figure 1: CCMT-1808 programmable tuner

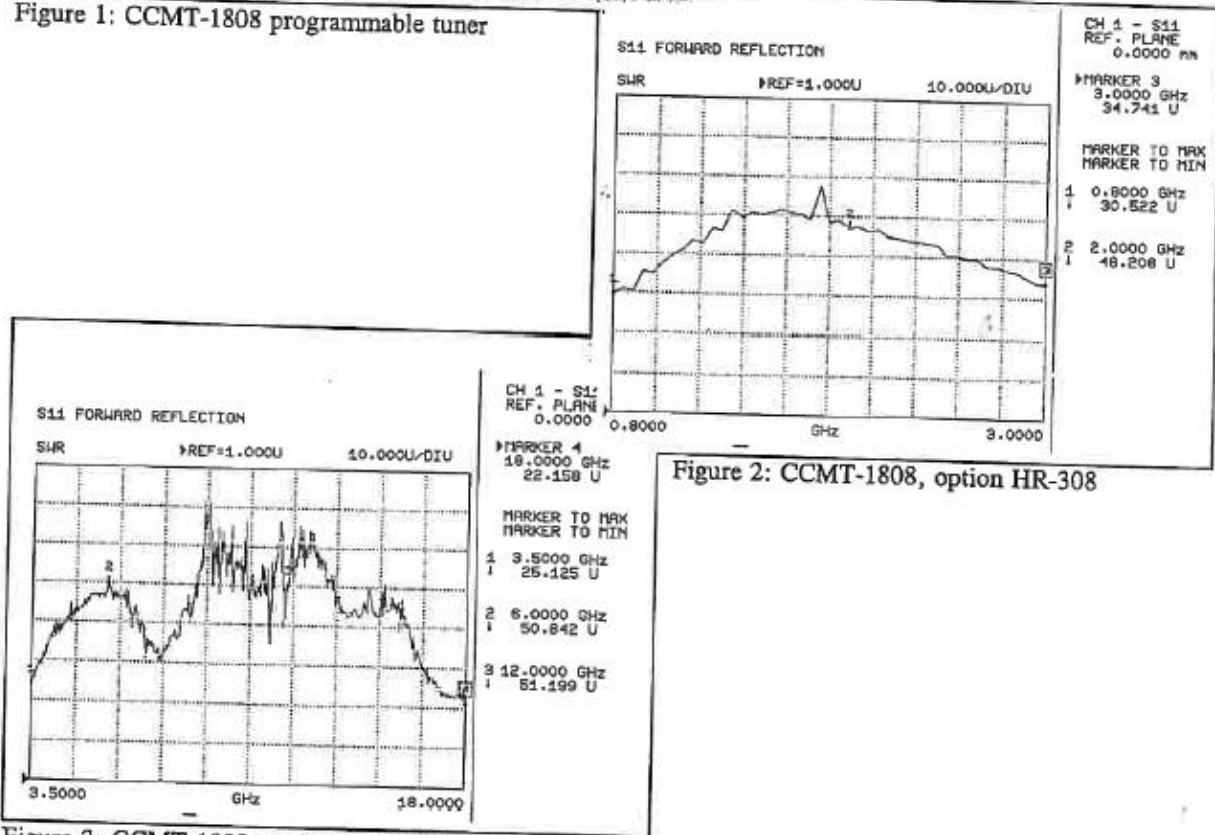


Figure 3: CCMT-1808, option HR-1803