



RF PROBE 3.1 - Technical Specification

Application

- RF Power Measurement
- Control RF network from the transmitter to the antenna
- Measurement:
 - multicarrier power measurement
 - forward wave
 - reflected wave
 - return loss
 - VSWR

General description

The RF Probe 3.1 is designed for multicarrier RMS power measurement for broadcasters of digital/analog TV that would like to have 24/7 monitoring of their broadcasting equipment. The RJ 45 architecture makes the integration of the probe to the RF Power Monitor (WEB&SNMP) very easy and straightforward. The built in frequency compensation guarantees accurate measurement of the whole UHF band.



Technical specification

Parameter	Value	Unit
Frequency range	470 - 868	MHz
Dynamic range	57	dB
Max. RF power input	25	dBm
Min. RF power input	- 32	dBm
Measurement accuracy ¹	0.5	dBm
Power supply	5	V
Current	20	mA
SWR of the probe	<1.18	
Input resistance	50	Ω
RF input connector	SMA F	
Measurement connector ²	USB A MALE	
Length/Width/Height	82/33/26	millimeters

¹ Accuracy with calibrated attenuation and frequency compensation

² RF Power Monitor(WEB&SNMP) compatible