Table 1-1.   Performance Specifications (1 of 2)

Specifications are valid when the unit is calibrated at ambient temperature after a 5 minute warmup.

Description	Value
Frequency Range	
Site Master S110	600 to 1200 MHz
Site Master S111	300 to 1200 MHz
Site Master S330	700 to 3300 MHz
Site Master S331	25 to 3300 MHz
Frequency Accuracy (CW Mode)	75 parts per million
Frequency Resolution	100 kHz
Measurement Range VSWR	1.00 to 65.00
Return Loss Resolution	0.1 dB
*Fault Location Resolution, nominal	0.8% of maximum range
Dynamic Range	54 dB
Directivity (corrected)	35 dB (Standard Calibration)
	42 dB (Precision Calibration)
Test Port, Type N	50 Ohms
Max. Power output, nominal	
Site Master S110, S111	+9 dBm
Site Master S330, S331	–7 dBm (25 to 800 MHz)
	–3 dBm (800 to 1600 MHz)
	–14 dBm (1600 to 3300 MHz)
**Immunity to Interfering signals up to the level of	+10 dBm (**Site Master S110, S111**)
	–15 dBm (**Site Master S330, S331**)
Maximum Input (Damage Level)	+22 dBm

Table 1-1.   Performance Specifications (2 of 2)

Measurement Accuracy
Measurement accuracy depends on calibration components.
Standard calibration components have a directivity of 35 dB.
Precision calibration components have a directivity of 42 dB.

Temperature	
Storage	–20° C to 75° C
Operation	0° C to 50° C
Maximum (burnout) level of incoming signal at port	+22 dBm
Weight	2.2 pounds
Size	8x7x2¼ inches

** Fault location is accomplished by inverse Fourier Transformation of data taken with the **Site Master**. Resolution and maximum range depend on the number of frequency data points, frequency sweep range and relative propagation velocity of the cable being tested.*

$$Maximum\ Range = \frac{(1.5 \times 10^{8})\ (129)\ (V_f)}{(F2 - F1)}$$

Where: F1 is start frequency
F2 is stop frequency
V_f is relative propagation velocity

** Immunity measurement is made in CW mode with incoming intefering signal exactly at the same frequency (worst case situation). Typical immunity is better when swept frequency is used.