

POWER LEVEL MEASUREMENT

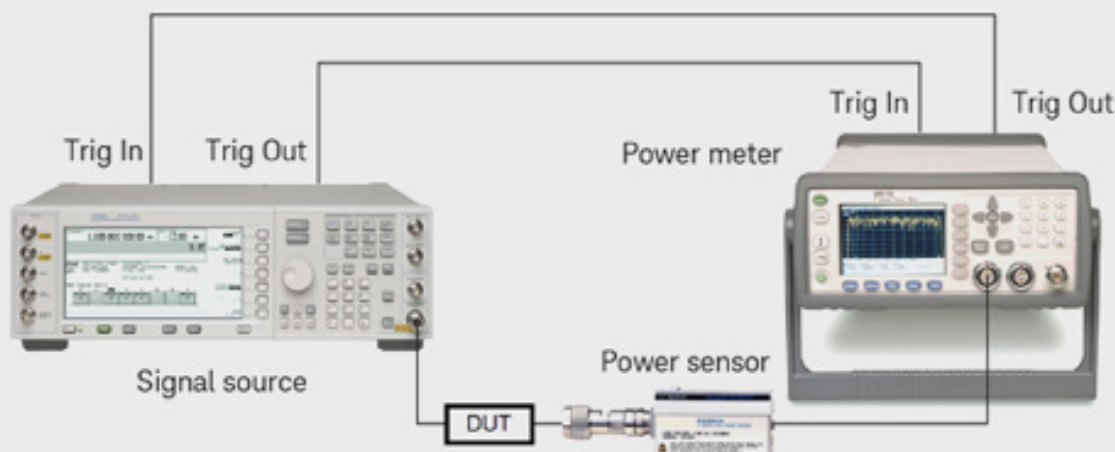
- ▶ **DC to Sub-THz**
- ▶ **CW & Peak Power Measurements**
- ▶ **Wide Dynamic Range**

Eravant offers precision power level measurement services spanning from DC to the sub-THz range, up to 500 GHz. Utilizing advanced diode detector power sensors, we cover a wide dynamic range (-70 to +20 dBm) with exceptional confidence and accuracy. For sub-THz measurements, our calorimetric power sensors also provide accurate and reliable results. In addition to continuous-wave measurements, we offer peak power measurement services for more sophisticated coaxial systems and components.

Beyond the standard power meter and power sensor testing equipment, Eravant has engineered a wide range of components designed for more complex requirements. Our high-power attenuators, capable of handling up to 1 kW, and our extensive collection of purpose-built frequency converters, facilitate comprehensive system-level evaluations.

All measurements are traceable to NIST standards. Measurement uncertainty depends on the specific measurement task. Our stated accuracy is guaranteed, providing you with reliable results across all of your power testing needs.

Test services offered by Eravant require close coordination and interaction between customers and our technical staff. Both on-site and remote testing options are offered. Eravant is located in Torrance CA, a short drive from Los Angeles International Airport (LAX).



COAX DUTs

Service Numbers	Test Type	Frequency Range	Power Range
FTPM-0670-CW-S1	Continuous Wave	0 to 67 GHz	-60 dBm to 20 dBm
FTPM-0670-PK-S1	Peak Pulse	0 to 67 GHz	-60 dBm to 20 dBm

WAVEGUIDE DUTs

Service Numbers	Description	Frequency Range	Power Range
FTPM-WR15-CW-S1	Continuous Wave	50 to 75 GHz	-30 to 20 dBm
FTPM-WR10-CW-S1	Continuous Wave	75 to 110GHz	-30 to 20 dBm
FTPM-WR06-CW-S1	Continuous Wave	110 to 170GHz	-30 to 20 dBm
FTPM-WR05-CW-S1	Continuous Wave	140 to 220GHz	-30 to 20 dBm
FTPM-WR05-CW-S1	Continuous Wave	140 to 220GHz	-30 to 20 dBm
FTPM-STHZ-CW-S1	Continuous Wave	Up to 500 GHz	-15 dBm to 15 dBm

OPTIONAL SERVICES

Service Numbers	Test Type	Frequency Range	Power Range
FTPM-0000-H1	High Power	0 to 500 GHz	Up to 30 dBm
FTB-0250-T1	Temperature Compli-	0 to 500 GHz	-60 dBm to 20 dBm