

EMF Measurements with Anritsu's Isotropic EMF Probe

20 MHz to 40 GHz Isotropic EMF Probe (2000-1985-R)



Isotropic EMF Probe (2000-1985-R)

- Frequency range 20 MHz to 40 GHz
- Integrated 3 axis isotropic antenna
- Built-in antenna calibration factors
- Integrated processor for total EMF measurement calculation
- USB interface to Field Master Pro™ MS2090A handheld spectrum analyzer
- Handgrip for manual sweeping of test area at site
- Tripod mount for laboratory use

Field Master Pro MS2090A EMF Meter Measurement (option MS2090A-0445)

- EMF Meter mode
- Built-in FCC and ICNIRP limits (general public and workers)
- Large numeric display of current measurement as a percentage of permitted standards limit
- Audio alarm when limit exceeded
- Bar chart display of average/max/min EMF power over time
- Up to 16 measurement points per site
- Saving of results to file

Public concerns about RF radiation are driving the need to provide calibrated measurements of EMF power to reassure site safety. RF technicians need to know their safety is assured when working close to RF base stations, especially when beamforming technologies are used. The new isotropic EMF probe from Anritsu covers a continuous frequency range from 20 MHz to 40 GHz and is ideal for regulations-based EMF measurements to FCC or ICNIRP standards. As the density of radio base stations increases, it is essential that EMF measurements are taken to verify that total radiated power from all sources does not exceed these government recommendations. Two limits are defined: one for areas accessible by the general public and another for technicians working in the vicinity of the base station and especially in front of the antennas. The probe attaches to the Field Master Pro MS2090A handheld spectrum analyzer using a 2 meter (6 foot) USB cable, allowing it to easily be cycled through an area to make measurements from ground to above ground levels in order to generate average and peak results. Data results are saved to a file for easy post-measurement report generation and analysis.

For more information go to: <https://www.anritsu.com/en-US/test-measurement>