

Electromagnetic Field Sensor Datasheet



Addition to
Smart Sense AirQ™
Measuring Unit

Highlights

Real-time data on electromagnetic radiation in predefined frequency range

External antenna and embedded spectrum analyzer enabling complete spectral analysis

High accuracy data comparable to reference levels set in regulations

Designed in collaboration with our partner
Končar – Electrical Engineering Institute Inc.

KONČAR

Electrical Engineering
INSTITUTE

Technical Specifications

Frequency Range	1 Hz – 4.4 GHz
Referent Frequency Range	±1 ppm
Bandwidth Resolution	0.1 Hz to 250 KHz and 5 MHz
Amplitude	RBW ≤ 100 KHz
Max Input Value	+10 dBm
Accuracy (Selected Referent Range ≤ 0 dBm)	±1.5 dB
Accuracy (0 dBm < Selected Referent Range ≤ 10 dBm)	±2 dB
Antenna Wide Field Dynamic Range	5 mV/m – 50 V/m
Antenna Noise Level	-0.3 mV/m (BW 3 KHz)
Antenna Calibration Accuracy	±1.5 dB
Antenna Linearity Deviation	±1 dB

* [AirQ datasheet available here online.](#)