



## Handheld Frequency Scanner

### SYSTEM SPECIFICATIONS:

Parameter	Specification
ADC sampling rate	480 MSPS (Actual) 60 MSPS (Effective IQ Rate)
ADC resolution	12 bits
Frequency range	70 MHz – 6 GHz
Full range sweep time	100 ms
Sweep speed	60 GHz/s
FFT length	32 to 8192
Max real time bandwidth	45 MHz
No. of channels	2Tx/2Rx
Rx dynamic range	60 dB
Extended dynamic range	85 dB
SFDR	60 dB (Spur removal mode)
Max and min input power level for Rx	132 dBuV to -23 dBuV (Gain and attenuation adjustments)
Resolution bandwidth(RBW)	1MHz, 500KHz, 250KHz, 100KHz, 50KHz, 25KHz, 10KHz, 5KHz, 2KHz, 1KHz
RBW uncertainty	2%
Detectors supported	Min peak Max peak Sample
Dwell time	100 us (Min time) 10 s (Max time)
Max Tx power	20 dB (External power amplifier path selected) 7 dB (without the external power amplifier path)
External control interface	Ethernet
User configurable parameters in GUI	Mode selection Frequency span Sweep time RBW Peak markers Detectors IQ mode Spectrogram mode Max hold mode for spectrogram Attenuation for Tx output Gain Control for Rx channels Attenuation control for Rx channels
Dimensions	102 mm X 63 mm