

General RF data

RF range 80 MHz to 3 GHz

Noise figure $f \leq 2.2$ GHz, preamplifier ON typ. 10 dB

Reference frequency accuracy GPS pulse per second (PPS) synchronization ± 0.01 ppm

Reference frequency aging 1 ppm/year

Reference frequency temperature drift 0 °C to +30 °C 2 ppm

+30 °C to +?0 °C additionally 2 ppm/10 °C

IP3 preamplifier ON typ. -9 dBm

preamplifier OFF typ. +3 dBm

1 dB compression point -15 dBm

RF power

Level uncertainty $f \leq 3$ GHz typ. ± 1.0 dB

Bandwidth (3 dB) single frequency mode 12.5 kHz to ?000 kHz

Channel power measurement dynamic range -110 dBm to -20 dBm

Measurement time 0.1 ms to 1000 ms

Minimum cycle time 1.6 ms

Frequency setting time 9.3 ms to 25 ms

Detectors peak, average, RMS

IF attenuation 0 dB, 10 dB, 15 dB

Preamplifier 10 dB, automatic/manual