

AT6060DM

6.0GHz SPECTRUM ANALYZER

- Frequency range: 9kHz ~ 6.0GHz
- Superior resolution: minimum 100Hz
- Resolution bandwidth: 1k~3MHz, 9kHz, 120kHz
- Wide input dynamic range: -125dBm ~ +20dBm
- Standard pre-Amplifier
- CDMA measurement: ACPR, ACLR, OBW, channel power
- Perfectly suitable for mobile communication, RF system, broadcast, EMI/EMC test, etc.

Technical Specifications

Frequency range: 9kHz ~ 6.0GHz

Resolution: min 100Hz

Span range: 100Hz/div ~ 300MHz/div, 1-2-5 step;
0Hz (zero span), 9k~6.0GHz (full span)

Span accuracy: $\pm 3\%$ of indicated span width

Frequency selection: start, stop, center, span setup

Readout accuracy: $\leq \pm$ (indicated freq. x reference freq.
accuracy + span x span accuracy + 5% of RBW)

Phase noise: ≤ -90 dBc/Hz (@ 10kHz offset)

Amplitude range: +20dBm ~ -125dBm (Pre Amp on)

Amplitude unit: dBm, dBmV, dB μ V, V, mV, μ V, W, mW, μ W

Average noise level:

≤ -105 dBm, 150k~1.0GHz;

≤ -100 dBm, 50k~150kHz, 1.0G~2.4GHz;

≤ -95 dBm, 2.4G~3.4GHz;

≤ -90 dBm, 3.4G~6.0GHz

Reference level: -90dBm ~ +20dBm, 0.1dB step, ± 1.5 dB

second harmonic distortion: ≤ -60 dBc (-40dBm input)

inter-modulation distortion: ≤ -70 dBc (-40dBm input)

Residual spurious: ≤ -85 dBm

Other input spurious: ≤ -60 dBc (-30dBm input)



REF: 12A6060D0000

✓ CE (EMC), □ UL, □ CE (LVD)

Resolution bandwidth (RBW):

1k/3k/10k/30k/100k/300k/1M/3M/9k/120kHz, $\pm 20\%$

Video bandwidth (VBW): 10Hz ~ 3MHz, in 1-3-10 step

Sweep: 100ms~1,000s; 40ms~1,000s (zero span), $\pm 20\%$
mode: continuous /single

trigger source: external, video, free run, line

Storage: max. 900 waveforms, 3000 setup states

RF input: 150k~3.0GHz, BNC(F), 50 Ω

max input level: 0Vdc, +20 dBm

VSWR: <1.5:1 (0dBm reference level)

Standard frequency: 10MHz, REF.

stability: ± 0.5 ppm, aging ± 0.5 ppm/year,

Interface: USB host /device, RS-232C, Printer

Optional interface: LAN, GPIB

Display: 640x480 pixels, 6.4 inch TFT color display

Tracking generator: not available

Power: AC 100V~240V, 50~60Hz; 80W

Dimensions & weight: 350x195x370mm, 10kgs