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Data Sheet

August 14, 2026

IFR/MARCONI

Marconi 2392A Spectrum Analyzer 13GHz

Marconi IFR Aeroflex 2392A Spectrum Analyzer 9 kHz to 2.9 GHz The Marconi/IFR/Aeroflex 2392A is the 2.9 GHz member of the 2390A series fully synthesized spectrum analyzers. OEM series specifications list frequency coverage 9 kHz to 2.9 GHz, resolution bandwidths from 3 Hz to 30 MHz, measurement range +30 to -135 dBm class, integral frequency counter, AM/FM receiver modes, and optional tracking generator 100 kHz to 2.9 GHz. Cellular and land-mobile base-station spurious/harmonic/IM checks, field RF maintenance, pre-compliance EMC with optional quasi-peak filters, and filter/amplifier response with optional tracking generator. The Marconi/IFR/Aeroflex 2392A is the 2.9 GHz member of the 2390A series fully synthesized spectrum analyzers. OEM series specifications list frequency coverage 9 kHz to 2.9 GHz, resolution bandwidths from 3 Hz to 30 MHz, measurement range +30 to -135 dBm class, integral frequency counter, AM/FM receiver modes, and optional tracking generator 100 kHz to 2.9 GHz. Cellular and land-mobile base-station spurious/harmonic/IM checks, field RF maintenance, pre-compliance EMC with optional quasi-peak filters, and filter/amplifier response with optional tracking generator.



MODEL

**IFR/Marconi
2392A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

2392A

LISTING

<https://aumictechlabs.com/products/2392a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The IFR/Marconi 2392A synthesized signal generator provides high-quality signals for various testing needs. With its stable and accurate frequency output, it ensures reliable performance in

demanding applications. Its versatile modulation capabilities and user-friendly interface make it suitable for both laboratory and field use.

Features & description

From manufacturer datasheet

Built-in AM and FM receiver modes with audio output

Optional tracking generator -70 dBm to 0 dBm 99 traces and 99 setups in non-volatile memory with GPIB and RS-232 Technical Specifications Frequency Range: 9 kHz to 2.9 GHz Frequency Span Range: 10 Hz/div to 290 MHz/div plus zero span Span Accuracy: $\pm 5\%$ of indicated span Frequency Readout Accuracy: $\pm (3\% \text{ of span width} + \text{frequency standard accuracy} + 50\% \text{ of RBW})$ Frequency Counter Resolutions: 1 Hz, 10 Hz, 100 Hz, 1 kHz Frequency Counter Sensitivity Example: less than -85 dBm at 120 MHz with 3 kHz RBW Frequency Standard Temperature Stability: ± 0.2 ppm (0 C to 50 C) Frequency Standard Ageing First Year: ± 2 ppm/year Residual FM Below 6 GHz: less than 10 Hz p-p in 20 ms (spans less than 1 MHz/div, 100 Hz video filter) Noise Sidebands 0.1 to 1.0 GHz at 10 kHz Offset: -97 dBc/Hz Noise Sidebands 0.1 to 1.0 GHz at 30 kHz Offset: -101 dBc/Hz Displayed Average Noise 100 kHz to 2.9 GHz 3 Hz RBW: less than -135 dBm Displayed Average Noise 9 kHz to 100 kHz 3 Hz RBW: less than -115 dBm Maximum Input Level CW: +20 dBm; +30 dBm CW with greater than 0 dB attenuation Maximum Input DC: 0 V DC Gain Compression: less than 1.0 dB with -5 dBm at 0 dB attenuation Sweep Time Span Greater Than 200 Hz/div: 1 ms to 10 s/div 1-2-5

2392A Characteristics / Specifications

PARAMETER	VALUE
Frequency Range	9 kHz to 2.9 GHz
Frequency Span Range	10 Hz/div to 290 MHz/div plus zero span
Span Accuracy	±5% of indicated span
Frequency Readout Accuracy	±(3% of span width + frequency standard accuracy + 50% of RBW)
Frequency Counter Resolutions	1 Hz, 10 Hz, 100 Hz, 1 kHz
Frequency Counter Sensitivity Example	less than -85 dBm at 120 MHz with 3 kHz RBW
Frequency Standard Temperature Stability	±0.2 ppm (0 C to 50 C)
Frequency Standard Ageing First Year	±2 ppm/year
Residual FM Below 6 GHz	less than 10 Hz p-p in 20 ms (spans less than 1 MHz/div, 100 Hz video filter)
Noise Sidebands 0.1 to 1.0 GHz at 10 kHz Offset	-97 dBc/Hz
Noise Sidebands 0.1 to 1.0 GHz at 30 kHz Offset	-101 dBc/Hz
Displayed Average Noise 100 kHz to 2.9 GHz 3 Hz RBW	less than -135 dBm
Displayed Average Noise 9 kHz to 100 kHz 3 Hz RBW	less than -115 dBm
Maximum Input Level CW	+20 dBm; +30 dBm CW with greater than 0 dB attenuation
Maximum Input DC	0 V DC
Gain Compression	less than 1.0 dB with -5 dBm at 0 dB attenuation
Sweep Time Span Greater Than 200 Hz/div	1 ms to 10 s/div 1-2-5
Zero Span Sweep Time	200 ns/div to 10 s/div
Sweep Time Accuracy	±1% for greater than 1 us/div
Tracking Generator Frequency Optional	100 kHz to 2.9 GHz
Tracking Generator Level Optional	-70 dBm to 0 dBm

PARAMETER	VALUE
Display	7 in TFT color
External Mixing Capability	3 GHz to 300 GHz with external mixers
Interfaces	RS-232 and IEEE-488 GPIB
Attenuation	Maximum Input DC: 0 V DC

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

specifications list frequency coverage 9 kHz to 2.9 GHz, resolution bandwidths from 3 Hz to 30 MHz, measurement range +30 to -135 dBm class, integral frequency counter, AM/FM receiver modes, and optional tracking generator 100 kHz to 2.9 GHz.

Applications

Cellular and land-mobile base-station spurious/harmonic/IM checks, field RF maintenance, pre-compliance EMC with optional quasi-peak filters, and filter/amplifier response with optional tracking generator.

Key Features

Fully synthesized LO with integral frequency counter to 1 Hz resolution

Resolution bandwidths 3 Hz to 30 MHz including wideband pulsed/spread-spectrum filters

Built-in AM and FM receiver modes with audio output

Optional tracking generator -70 dBm to 0 dBm

99 traces and 99 setups in non-volatile memory with GPIB and RS-232

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Frequency Range	9 kHz to 2.9 GHz
Frequency Span Range	10 Hz/div to 290 MHz/div plus zero span
Span Accuracy	±5% of indicated span
Frequency Readout Accuracy	±(3% of span width + frequency standard accuracy + 50% of RBW)
Frequency Counter Resolutions	1 Hz, 10 Hz, 100 Hz, 1 kHz
Frequency Counter Sensitivity Example	less than -85 dBm at 120 MHz with 3 kHz RBW
Frequency Standard Temperature Stability	±0.2 ppm (0 C to 50 C)
Frequency Standard Ageing First Year	±2 ppm/year
Residual FM Below 6 GHz	less than 10 Hz p-p in 20 ms (spans less than 1 MHz/div, 100 Hz video filter)

Noise Sidebands 0.1 to 1.0 GHz at 10 kHz Offset: -97 dBc/Hz

Noise Sidebands 0.1 to 1.0 GHz at 30 kHz Offset: -101 dBc/Hz

Displayed Average Noise 100 kHz to 2.9 GHz 3 Hz RBW: less than -135 dBm

Displayed Average Noise 9 kHz to 100 kHz 3 Hz RBW: less than -115 dBm

Specifications

PARAMETER	VALUE
Maximum Input Level CW	+20 dBm; +30 dBm CW with greater than 0 dB attenuation
Maximum Input DC	0 V DC
Gain Compression	less than 1.0 dB with -5 dBm at 0 dB attenuation
Sweep Time Span Greater Than 200 Hz/div	1 ms to 10 s/div 1-2-5
Zero Span Sweep Time	200 ns/div to 10 s/div

PARAMETER	VALUE
Sweep Time Accuracy	±1% for greater than 1 us/div
Tracking Generator Frequency Optional	100 kHz to 2.9 GHz
Tracking Generator Level Optional	-70 dBm to 0 dBm
Display	7 in TFT color
External Mixing Capability	3 GHz to 300 GHz with external mixers
Interfaces	RS-232 and IEEE-488 GPIB

Notes
Numeric limits from IFR/Marconi/Aeroflex 2390A series datasheet (2392A column). Microwave-only rows that apply above 2.9 GHz are not claimed for the 2392A front end.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.