

ANRITSU

MG3670B

The Anritsu MG3670B is a digital modulation signal generator designed for developing, testing, and evaluating digital mobile communications equipment. Operating from 300 kHz to 2.25 GHz, the MG3670B features a high-performance integrated quadrature modulator and delivers stable and precise RF signals up to +13 dBm, even under modulation. It supports a dedicated CMOS-level mode for I/Q signal input, covers the CDMA spread spectrum band, and can be expanded using up to eight modulation units and a burst function unit simultaneously.

SPECIFICATIONS

Frequency

Minimum Frequency	300 kHz Hz
Maximum Frequency	2.25 GHz Hz
Frequency Resolution	0.01 Hz

Output

Maximum Output Power	+13 dBm dBm
Output Power Range	-143 to +13 dBm
Phase Noise	<= -130 dBc/Hz (at 20 kHz offset, 1 GHz carrier)

Modulation

Modulation	Digital I/Q vector modulation
Sweep Modes	Frequency, Amplitude

General

Reference Oscillator	10 MHz (standard aging rate: <= 2 x 10 ⁻⁸ /day)
Interfaces	GPIO, CMOS-level I/Q input, Analog I/Q input

Physical

Power Supply	100 to 120 V AC / 200 to 240 V AC, 47.5 to 63 Hz
Dimensions (W×H×D)	426 x 177 x 451 mm mm
Weight	22 kg kg

Frequency Specifications

Frequency Range	300 kHz to 2.25 GHz
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Vector / Digital Modulation (Internal Baseband)

Modulator Type	High-performance quadrature modulator
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External I/Q Modulation

I/Q Signal Input Mode	CMOS-level mode
Supported Spread Spectrum Band	CDMA spread spectrum band

Ordering Information & Options

Modulation Unit Capacity	Up to 8 modulation units simultaneously
Burst Function Unit Capacity	1 burst function unit simultaneously

Spectral Purity

Harmonics	<= -30 dBc
Non-Harmonic Spurious	<= -60 dBc

Environmental

Operating Temperature Range	0°C to +50°C
Storage Temperature Range	-20°C to +60°C

Power

Power Consumption	<= 250 VA
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RF Output

Output Impedance	50 Ω
RF Output Connector	N-type, female

TECHNOLOGY

RF Vector Signal Generator

APPLICATIONS

Testing and evaluation of digital mobile communications equipment, receiver sensitivity, and IF stage performance

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.