



# 1435A/B/C/D/F Signal Generator 9kHz~3GHz/6GHz/12GHz/ 20GHz/40GHz



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## Overview

Based on innovative technologies, the 1435 series signal generator achieves balance in terms of performance, economy and volumetric weight. It also has excellent spectral purity, with a single side band (SSB) phase noise of -136dBc/Hz (when the carrier is 1GHz and the frequency offset is 10kHz) or -116dBc/Hz (when the carrier is 10GHz and the frequency offset is 10kHz). It provides a high power output and a large dynamic range, with the maximum output power up to 20dBm@20GHz and an output power dynamic range greater than 150dB. It responds fast and switches to another frequency in only 1ms, which shortens the test time and improves test efficiency, meeting the needs of massive data testing; in addition, it also has excellent analog modulation and pulse modulation functions. By adopting advanced frequency synthesis and RF channel signal processing technologies, it can achieve high performance while reducing the cost. Besides, it is equipped with a 7-inch high-sensitivity LED touch screen, and supports operation by touch screen, panel buttons, rotary knobs, external mouse and keyboard, etc., which fully upgrades the users' operation experience. It adopts portable 3U chassis structure and is featured by small size and light weight, and thus is easy to carry. The 1435 series signal generator can meet both the test requirements for high performance in the R&D phase and the test requirements for high efficiency in the production phase.

## Main Features

- Wide frequency coverage
- High output power
- Excellent SSB phase noise
- Extremely short frequency switching time
- High performance pulse modulation
- Built-in multi-function function generator
- Small size and light weight
- High-sensitivity LED touch screen

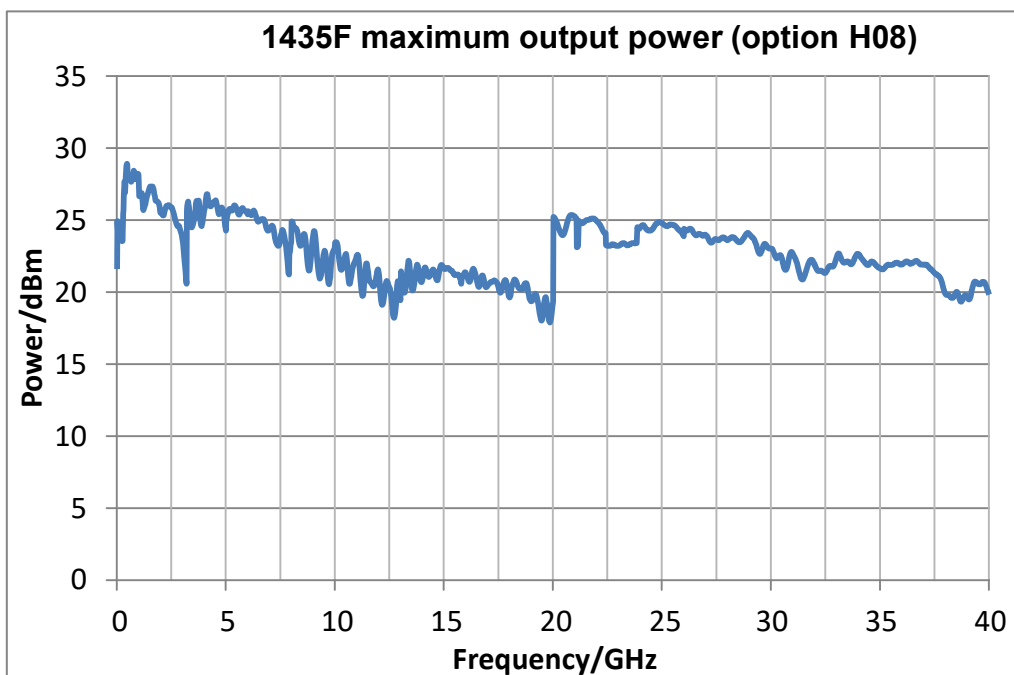
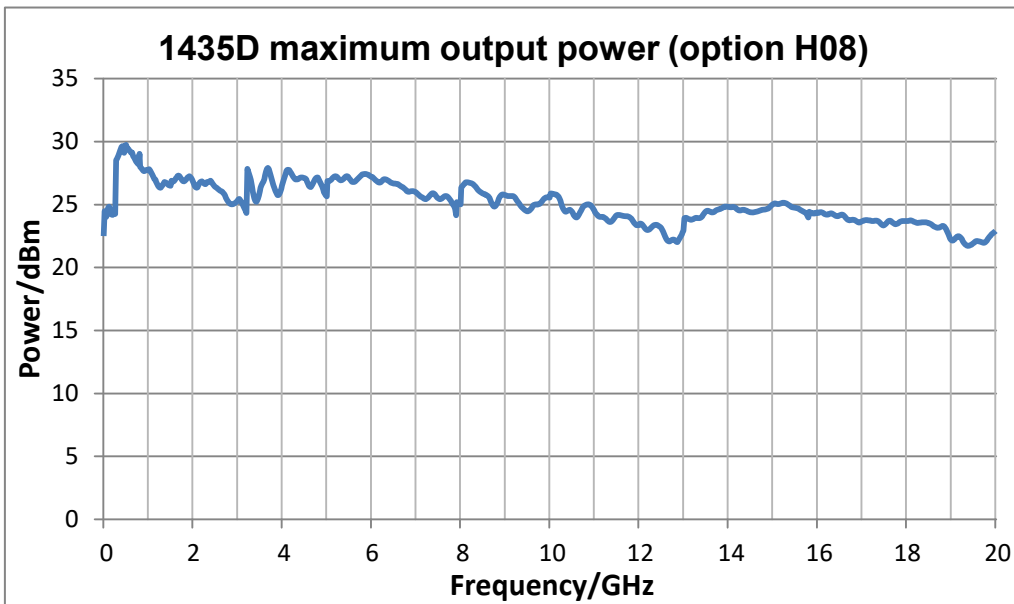
### Wide frequency coverage

The 1435A/B/C/D/F series signal generator provides a frequency range of 9kHz~3GHz/6GHz/12GHz/20GHz/40GHz. Its lowest frequency can be as low as 9kHz and its highest frequency can be as high as 40GHz, which can meet the needs of wide frequency band testing.

### High output power

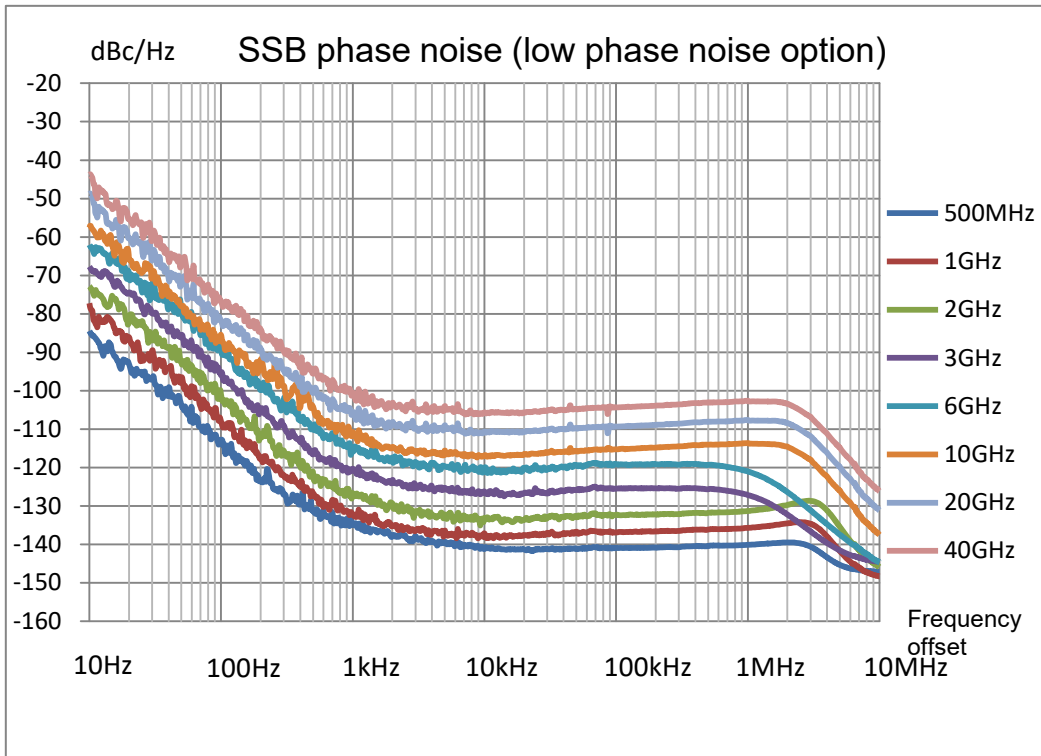
When the H08 high-power output option is selected, the measured value of the full-band output power of

the 1435A/B/C/D series signal generator can be above 20dBm and the full-band output power of the 1435F series signal generator can be above 17dBm. In the test where high-power excitation signals are required, the 1435 series signal generator can be used to obtain the required test signal without an external amplifier.



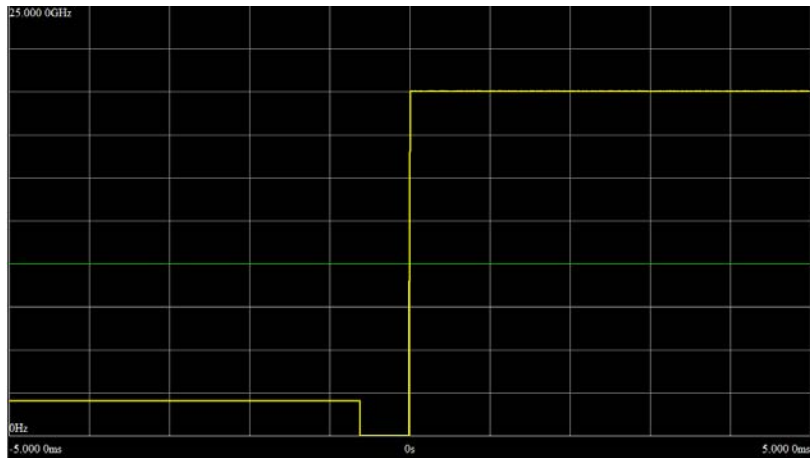
### Excellent SSB phase noise

The 1435 series signal generator provides two steps of SSB phase noise for users. The standard SSB phase noise is measured at  $-101\text{dBc/Hz}$  ( $10\text{GHz}@10\text{kHz}$ ), and the SSB phase noise can be as low as  $-116\text{dBc/Hz}$  ( $10\text{GHz}@10\text{kHz}$ ) when the low phase noise option is selected. Users can select the phase noise as required to achieve the optimal cost performance.



**Extremely short frequency switching time**

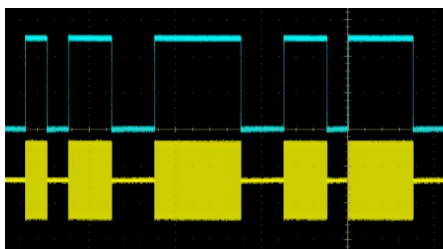
The 1435 series signal generator can realize fast frequency switching in the full frequency band, and the measured frequency switching time is 0.67ms, which can meet the test requirements for high speed.



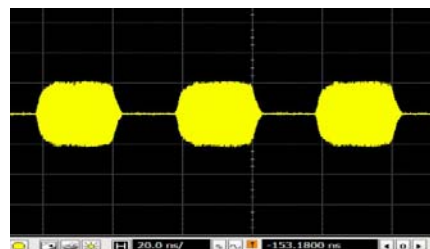
2GHz to 20GHz frequency switching time

**High performance pulse modulation**

The pulse switch ratio is greater than 80dB, and the rise and fall time is shorter than 10ns. When the narrow pulse option H04 with a minimum pulse width of 20ns, a pulse width range of 20ns~42s~10ns and a step of 10ns is selected, it supports various triggering modes such as gating and external triggering. It's also equipped with the pulse string required in radar test.



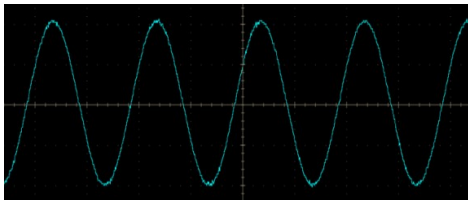
Pulse string (5)



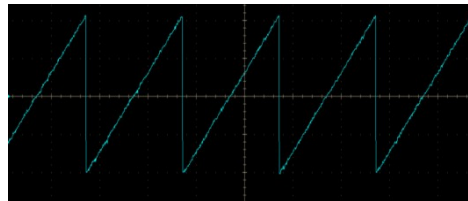
Pulse width: 20ns

## Multi-function function generator

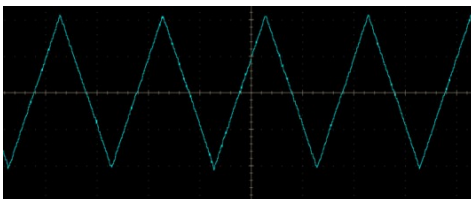
The multi-function function generator consists of seven waveform generators for generating AM/FM/ΦM modulated signals and low-frequency output signals. Two waveform generators can generate a dual-tone modulated signal by internal addition and are used for AM/FM/ΦM. The seven waveform generators include two standard function generators, one double-function generator, one scan function generator, two noise generators, and one DC generator. The DC generator generates DC levels, which can only be used for low frequency output. For the waveform generator, its sine wave frequency range is 0.1Hz~10MHz, and its frequency range of triangle wave, square wave, sawtooth wave and pulse is 0.1Hz~1MHz, and the frequency resolution is 0.1Hz.



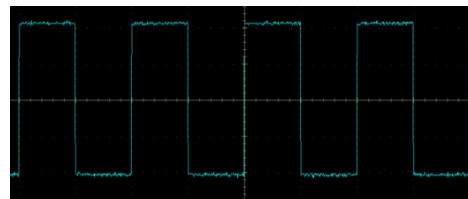
Sine wave



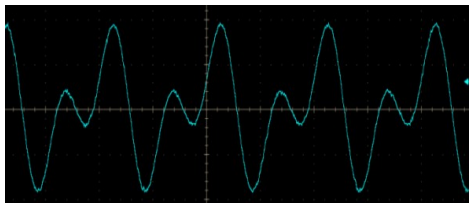
Sawtooth wave



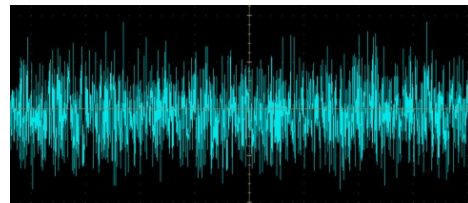
Triangle wave



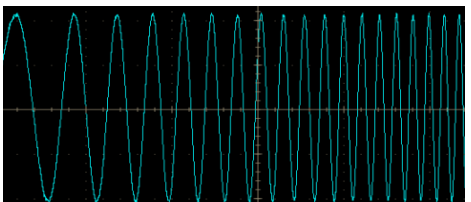
Square wave



Double sine wave



Noise



Frequency sweep sine

## Small size and light weight

By adopting the portable 3U-high chassis design, the 1435ABCDF series signal generator has its weight and volume greatly reduced (compared to bench instruments). The heaviest model of this series is 10.9kg, and the lightest model is 7.4kg.

## High-sensitivity LED touch screen

The 7-inch wide LED display which supports a resolution of  $800 \times 480$  pixels clearly shows the instrument status information. The combination of the capacitive screen and the tailored window interface enables the 1435ABCDF series signal generator to respond sensitively and accurately to users' touch operations. In addition to the touch screen, the user can also operate the instrument by the panel buttons, the rotary knobs (with the Enter function), and the external keyboard and mouse conveniently and quickly.



## Typical Applications

### General Test

The 1435 series signal generator provides complete functions and a frequency range of 9kHz~40GHz. It provides AM, FM,  $\Phi$ M, and PM analog modulation functions and supports step scan and list scan. Also, it has excellent performance. By adopting a design which realizes the balance between performance, economy and volumetric weight, it supports free configuration of various options, which makes it widely available. In respect of cost, it can be used for teaching; in respect of performance, it can be used in laboratory tests.

### Defense Test

The 1435 series signal generator supports high-performance pulse modulation, with a pulse-to-modulation switch ratio greater than 80dB, the rise and fall time less than 10ns, and the minimum pulse width of 20ns. It supports various pulse patterns such as pri stagger, prf jittering and pulse string, which is suitable for radar system testing. It has excellent phase noise performance and is available for receiver testing. It has a small size and can be carried along for field testing.

### Production line test

The 1435 series signal generator takes only 1ms to switch to another frequency. It provides a high test speed, shortens the test time, and improves the test efficiency, thus meeting the requirements of massive data test. It provides a high power output and needs no external power amplifier, thus saving the space and cost. It supports multiple control interfaces such as USB, LAN and GPIB, which facilitates the formation of an automated test system and is suitable for production line test.

## Technical Specifications

| Frequency Features                   |  |   |                                       |
|--------------------------------------|--|---|---------------------------------------|
| Frequency Range                      | 1435A:9kHz~3GHz<br>1435B:9kHz~6GHz<br>1435C:9kHz~12GHz<br>1435D:9kHz~20GHz<br>1435F:9kHz~40GHz | Frequency                                 | N (number of internal harmonic waves) |
|                                      |  | $9\text{kHz} \leq f < 250\text{MHz}$      | 1/8                                   |
|                                      |  | $250\text{MHz} \leq f \leq 375\text{MHz}$ | 1/16                                  |
|                                      |  | $375\text{MHz} < f \leq 750\text{MHz}$    | 1/8                                   |
|                                      |  | $750\text{MHz} < f \leq 1.5\text{GHz}$    | 1/4                                   |
|                                      |  | $1.5\text{GHz} < f \leq 3\text{GHz}$      | 1/2                                   |
|                                      |  | $3\text{GHz} < f \leq 6\text{GHz}$        | 1                                     |
|                                      |  | $6\text{GHz} < f \leq 12\text{GHz}$       | 2                                     |
|                                      |  | $12\text{GHz} < f \leq 24\text{GHz}$      | 4                                     |
| $24\text{GHz} < f \leq 40\text{GHz}$ | 8  |   |                                       |

|   |  |                           |                              |           |
|---|--|---------------------------|------------------------------|-----------|
| <b>Frequency Resolution</b>                 | 0.001Hz  |                           |                              |           |
| <b>Frequency Switching Time</b>             | ≤1ms (typical value <sup>2</sup> )   |                           |                              |           |
| <b>Time Base Aging Rate (Typical Value)</b> | Standard: $\pm 5 \times 10^{-7}$ /year (after continuous switch-on for 30 days)<br>High Stability Time Base option H10:<br>$\pm 5 \times 10^{-8}$ /year (after continuous switch-on for 30 days)<br>$\pm 5 \times 10^{-10}$ /day(after continuous switch-on for 30 days) |                           |                              |           |
| <b>Reference Output</b>                     | Frequency  | 10MHz                     |                              |           |
|   | Power  | >+4dBm, to 50Ω load       |                              |           |
| <b>Reference Input</b>                      | Frequency  | 1MHz~50MHz, step 1Hz      |                              |           |
|   | Power  | 0dBm~+7dBm, impedance 50Ω |                              |           |
| <b>Scanning Features</b>                    |  |                           |                              |           |
| <b>Scanning Mode</b>                        | Step Scan, List Scan   |                           |                              |           |
| <b>Scan Dwell Time</b>                      | 100μs~100s   |                           |                              |           |
| <b>Power Features</b>                       |  |                           |                              |           |
| <b>Minimum Power</b>                        | Standard   |                           | Option H01                   |           |
|   | -15dBm (can be set -20dBm)   |                           | -110dBm (can be set -135dBm) |           |
| <b>Maximum Power (25±10°C)</b>              | Frequency Range  | Standard                  | High Power Output Option H08 |           |
|   | <b>1435A/B</b>   |                           |                              |           |
|   | 9kHz≤f≤3GHz  | 18dBm                     | 22dBm                        |           |
|   | 3GHz<f≤5GHz  | 16dBm                     | 20dBm                        |           |
|   | 5GHz<f≤6GHz  | 15dBm                     | 18dBm                        |           |
|   | <b>1435C/D</b>   |                           |                              |           |
|   | 9kHz≤f≤3GHz  | 16dBm                     | 21dBm                        |           |
|   | 3GHz<f≤20GHz   | 15dBm                     | 20dBm                        |           |
|   | <b>1435F</b>   |                           |                              |           |
|   | 9kHz≤f≤3GHz  | 14dBm                     | 20dBm                        |           |
|   | 3GHz<f≤17GHz   | 13dBm                     | 17dBm                        |           |
|   | 17GHz<f≤40GHz  | 11dBm                     | 15dBm                        |           |
| <b>Standard</b>                             |  |                           |                              |           |
| <b>Power Accuracy (25±10°C)</b>             | Power (dBm)  | 10~Maximum Power          | -10 to 10                    | -15 to 10 |
|   | Frequency  |                           |                              |           |
|   | 9kHz≤f≤2GHz  | ±0.8dB                    | ±0.6dB                       | ±1.5dB    |
|   | 2GHz<f≤20GHz   | ±0.9dB                    | ±0.7dB                       | ±1.5dB    |
|   | 20GHz<f≤40GHz  | ±0.9dB                    | ±0.8dB                       | ±1.8dB    |
|   | <b>H01A/B Programmable Step Attenuator Option</b>  |                           |                              |           |
| Power (dBm)                                 | 10 to Maximum Power  | -10 to 10                 | -70 to 10                    | -90 to 70 |
| Frequency                                   |  |                           |                              |           |
| 9kHz<f≤2GHz                                 | ±0.8dB   | ±0.6dB                    | ±0.7dB                       | ±1.4dB    |

|  |                                 |                          |                        |        |        |
|--|---------------------------------|--------------------------|------------------------|--------|--------|
|  | 2GHz < f ≤ 20GHz                | ±0.9dB                   | ±0.7dB                 | ±0.7dB | ±1.6dB |
|  | 20GHz < f ≤ 40GHz               | ±0.9dB                   | ±0.8dB                 | ±1.1dB | ±2.0dB |
| <b>Power Resolution</b>  | 0.01dB                          |                          |                        |        |        |
| <b>Output Impedance</b>  | 50Ω (rated value <sup>3</sup> ) |                          |                        |        |        |
| <b>Source Standing Wave Ratio, VSWR (Internal Fixed Amplitude) (Typical Value)</b> | 9kHz ≤ f ≤ 3GHz                 | < 1.7                    |                        |        |        |
|  | 3GHz < f ≤ 13GHz                | < 1.6                    |                        |        |        |
|  | 13GHz < f ≤ 20GHz               | < 1.8                    |                        |        |        |
|  | 20GHz < f ≤ 40GHz               | < 1.6                    |                        |        |        |
| <b>Maximum Reverse Power</b>   | 0.5W (0V DC) (rated value)      |                          |                        |        |        |
| <b>Spectral Purity<sup>4</sup></b>   |                                 |                          |                        |        |        |
| <b>Harmonic Wave (at +10dBm)</b>   | 9kHz ≤ f ≤ 10MHz                | < -23dBc                 |                        |        |        |
|  | 10MHz < f ≤ 2GHz                | < -30dBc                 |                        |        |        |
|  | 2GHz < f ≤ 6GHz (1435B)         | < -30dBc                 |                        |        |        |
|  | 2GHz < f ≤ 20GHz                | < -55dBc                 |                        |        |        |
|  | 20GHz < f ≤ 40GHz               | < -50dBc (typical value) |                        |        |        |
| <b>Subharmonic Wave (at +10dBm)</b>  | 9kHz ≤ f ≤ 6GHz                 | None                     |                        |        |        |
|  | 6GHz < f ≤ 12GHz                | < -60dBc                 |                        |        |        |
|  | 12GHz < f ≤ 24GHz               | < -55dBc                 |                        |        |        |
|  | 24GHz < f ≤ 40GHz               | < -50dBc                 |                        |        |        |
| <b>Non-Harmonic Wave (at 0dBm, 10kHz Frequency Offset)</b>                         | Frequency                       | Standard                 | Low Phase Noise Option |        |        |
|  | 9kHz ≤ f ≤ 250MHz               | < -54dBc                 | < -60dBc               |        |        |
|  | 250MHz < f ≤ 3GHz               | < -62dBc                 | < -77dBc               |        |        |
|  | 3GHz < f ≤ 6GHz                 | < -56dBc                 | < -71dBc               |        |        |
|  | 6GHz < f ≤ 12GHz                | < -50dBc                 | < -65dBc               |        |        |
|  | 12GHz < f ≤ 24GHz               | < -44dBc                 | < -59dBc               |        |        |
|  | 24GHz < f ≤ 40GHz               | < -38dBc                 | < -53dBc               |        |        |
| <b>SSB Noise (dBc/Hz +10dBm)</b>   | <b>Standard</b>                 |                          |                        |        |        |
|  | Phase at                        | Frequency                | 100Hz                  | 10kHz  |        |
|  |                                 | 100MHz                   | -83                    | -115   |        |
|  |                                 | 250 MHz                  | -93                    | -127   |        |
|  |                                 | 500MHz                   | -89                    | -121   |        |
|  |                                 | 1 GHz                    | -83                    | -115   |        |
|  |                                 | 2 GHz                    | -77                    | -109   |        |
|  |                                 | 3GHz                     | -74                    | -105   |        |



|                               |       |      |       |        |
|-------------------------------|-------|------|-------|--------|
| 4 GHz                         | -71   | -103 |       |        |
| 6 GHz                         | -68   | -99  |       |        |
| 10 GHz                        | -63   | -95  |       |        |
| 20 GHz                        | -57   | -89  |       |        |
| 40 GHz                        | -51   | -83  |       |        |
| <b>Low Phase Noise Option</b> |       |      |       |        |
| Frequency                     | 100Hz | 1kHz | 10kHz | 100kHz |
| 100MHz                        | -83   | -112 | -131  | -131   |
| 250 MHz                       | -93   | -123 | -139  | -139   |
| 500MHz                        | -89   | -119 | -135  | -135   |
| 1 GHz                         | -83   | -113 | -132  | -132   |
| 2 GHz                         | -77   | -107 | -126  | -126   |
| 3GHz                          | -74   | -104 | -121  | -121   |
| 4 GHz                         | -71   | -101 | -120  | -120   |
| 6 GHz                         | -68   | -98  | -115  | -115   |
| 10 GHz                        | -63   | -93  | -113  | -113   |
| 20 GHz                        | -57   | -87  | -107  | -107   |
| 40 GHz                        | -51   | -81  | -101  | -101   |

| Modulation Features                                      |   |                |
|--|---|----------------|
| <b>Frequency Modulation<sup>5</sup><br/>(Option H02)</b> | <p>Maximum frequency offset: <math>N \times 16\text{MHz}</math> (N is the number of fundamental harmonic wave)</p> <p>Accuracy (1kHz modulation rate, frequency offset: <math>N \times 500\text{kHz}</math>): <math>\pm (2\% \times \text{set frequency offset} + 20\text{Hz})</math></p> <p>Modulation rate (3dB bandwidth, frequency offset: <math>N \times 500\text{kHz}</math>): DC-7MHz</p> <p>Distortion (1kHz rate, frequency offset: <math>N \times 500\text{kHz}</math>): <math>&lt;0.4\%</math></p> |                |
| <b>Phase Modulation<sup>5</sup><br/>(Option H02)</b>     | <p>Maximum phase offset: <math>N \times 16\text{rad}</math> (N is the number of fundamental harmonic wave)</p> <p>Accuracy (1kHz modulation rate, frequency offset: <math>N \times 500\text{kHz}</math>): <math>\pm (2\% \times \text{set phase offset} + 0.01\text{rad})</math></p> <p>Modulation rate (3dB bandwidth, phase offset: <math>N \times 8\text{rad}</math>): DC-1MHz</p> <p>Distortion (1kHz modulation rate, phase offset: <math>N \times 8\text{rad}</math>): <math>&lt;0.4\%</math></p>       |                |
| <b>Amplitude Modulation<sup>5</sup><br/>(Option H02)</b> | <p>Maximum depth: <math>&gt;90\%</math></p> <p>Modulation rate: (1kHz modulation rate, 30% modulation depth): <math>\pm (4\% \times \text{set depth} + 1\%)</math></p> <p>Modulation rate (bandwidth: 3dB; modulation depth: 30%; frequency test points: 1GHz, 5GHz, 20GHz, 40GHz): DC~100kHz</p> <p>Distortion: (1kHz modulation rate, linear mode, total harmonic distortion, 30% modulation depth): <math>&lt;2\%</math>;</p>  |                |
| <b>Pulse Modulation<sup>6</sup><br/>(Option H03)</b>     | Switching ratio   | $>80\text{dB}$ |
|  | Rise and fall time  | $<10\text{ns}$ |
|  | Minimum pulse of internal fixed amplitude   | $1\mu\text{s}$ |
|  | Minimum pulse of non-fixed amplitude  | $100\text{ns}$ |
| <b>Narrow Pulse</b>                                      | Switching ratio   | $>80\text{dB}$ |

|   |  |       |
|---|--|-------|
| <b>Modulation<sup>6</sup><br/>(Option H04)</b>                      | Rise and fall time   | <10ns |
|   | Minimum pulse of internal fixed amplitude  | 1μs   |
|   | Minimum pulse of non-fixed amplitude   | 20ns  |
| <b>Internal Analog Modulation Signal Generator<br/>(Option H02)</b> | <p>It provides three independent signals for frequency/phase modulation, amplitude modulation and low frequency output signals</p> <p>Waveform: sine wave, square wave, triangle wave, sawtooth wave</p> <p>Frequency range: sine wave 0.1Hz~10MHz</p> <p>Square wave, triangle wave, sawtooth wave 0.1Hz~1MHz</p> <p>Frequency resolution: 0.1Hz</p> <p>Low frequency output: amplitude 0~5V peak (rated value), to 50Ω load</p>  |       |
| <b>Internal Pulse Generator<br/>(Option H03)</b>                    | <p>Pulse width: 20ns~(42s-10ns) (rated value)</p> <p>Pulse period: 40ns~42s (rated value)</p> <p>Resolution: 10ns</p>  |       |
| <b>Multi-Function Generator<br/>(Option H05)</b>                    | <p>The Multi-function generator consists of 7 waveform generators. The generator can be set separately or five generators can be set simultaneously by using the AM, FM/ΦM and the composite modulation features in the low-frequency output.</p> <p>Waveform:</p> <p>Function generator 1: sine wave, triangle wave, square wave, sawtooth wave, pulse</p> <p>Function generator 2: sine wave, triangle wave, square wave, sawtooth wave, pulse</p> <p>Dual function generator: sine wave, triangle wave, square wave, sawtooth wave, pulse, phase offset and amplitude ratio of audio 2 relative to audio 1;</p> <p>Scan function generator: sine wave, triangle wave, square wave, sawtooth wave;</p> <p>Noise generator 1: uniform, Gaussian;</p> <p>Noise generator 2: uniform, Gaussian;</p> <p>DC: LF output only;</p> <p>Frequency parameters:</p> <p>Sine wave: 0.1Hz to 10MHz;</p> <p>Triangle wave, square wave, sawtooth wave, pulse: 0.1Hz to 1MHz;</p> <p>Resolution: 0.1Hz;</p> |       |
| <b>General Features</b>   |  |       |
| <b>RF Output Port</b>   | <p>1435A/B/C: N type (negative), impedance 50Ω</p> <p>1435D: 3.5mm (positive), N type (negative) (option H91), impedance 50Ω</p> <p>1435F: 2.4mm (positive), impedance 50Ω</p>   |       |
| <b>Maximum Dimensions<br/>(width × height × depth)</b>              | <p>Width × height × depth: 330mm × 147mm × 397mm (excluding the handle)</p> <p>420mm × 147mm × 445mm (including the handle)</p>  |       |
| <b>Weight</b>   | <12kg (the weight varies with the model and option configuration)  |       |
| <b>Power Supply</b>   | 100~120VAC, 50~60Hz; or 200~240VAC, 50~60Hz (self-adaptive)  |       |
| <b>Power Consumption</b>  | Less than 300W   |       |
| <b>Temperature Range</b>  | Operating temperature: 0℃~+50℃; storage temperature: -40℃~+70℃   |       |

Note: 1. The 1435 series signal generator can be stored at ambient temperature for 2 hours. After preheating for 30 minutes, the attenuator is automatically coupled (or ALC power is greater than -5dBm) to meet the performance of each indicator within a given working range.

2. The typical value is a supplementary feature given based on the stereotype value, which is only for user reference, and will not be assessed.
3. The rated value refers to the expected performance, or describes the product performance that is useful in the product but is not included in the product warranty.
4. The spectral purity indicates that the point frequency has no modulation mode.
5. The technical specifications of frequency modulation, phase modulation and amplitude modulation are applicable to frequencies above 10MHz.
6. The technical specifications of pulse modulation and narrow pulse modulation are applicable to frequencies above 50MHz.

### Order Information

- Main unit:

1435A signal generator 9kHz~3GHz

1435B signal generator 9kHz~6GHz

1435C signal generator 9kHz~12GHz

1435D signal generator 9kHz~20GHz

1435F signal generator 9kHz~40GHz

- Standard:

| No. | Name                | Description                    |
|-----|---------------------|--------------------------------|
| 1   | Power cord assembly | Standard three-core power cord |
| 2   | User manual         |                                |
| 3   | Programming manual  |                                |
| 4   | Product certificate |                                |

- Options:

| Code     | Name                               | Function  |
|----------|------------------------------------|---|
| 1435-H01 | 115dB Programmable Step Attenuator | Expand the output power dynamic range.  |
| 1435-H02 | Analog Modulation                  | Increase analog modulation functions, including AM, FM, $\Phi$ M, and low frequency output.   |
| 1435-H03 | Pulse Modulation                   | Increase the pulse modulation function with a minimum pulse width of 100ns.   |
| 1435-H04 | Narrow Pulse Modulation            | Increase the pulse modulation function with a minimum pulse width of 20ns.  |
| 1435-H05 | Multi-function Function Generator  | Add a richer analog modulation signal format. (Note: The H05 option is available after the H02 analog modulation option is selected). |
| 1435-H06 | Low Phase Noise                    | Optimize SSB phase noise, 10GHz@10kHz: -113dBc/Hz.  |
| 1435-H08 | High Power Output                  | Increase the maximum output power.  |
| 1435-H10 | High Stability Time Base Option    | Internal time base aging rate.  |
| 1435-H50 | Calibration Certificate            | Instrument calibration.   |

|          |                                    |  |
|----------|------------------------------------|--|
| 1435-H91 | N type Connector for RF Output     | N type connector for RF output, applicable to 1435D.   |
| 1435-H92 | RF Output Moving to the Rear Panel | RF output on rear panel.   |
| 1435-H93 | Portable Handle                    | 3U handle.   |
| 1435-H94 | Rack Mount Kit                     | Mounting kit for the upper cabinet.  |
| 1435-H95 | Aluminum alloy Transport Case      | High-strength lightweight aluminum alloy transport case with handle and universal roller for easy transportation.      |
| 1435-H98 | English Kit                        | English panel, English manual, English operation interface and English operating system.                               |
| 1435-S01 | Arbitrary Wave                     | Support arbitrary wave data download and broadcast, generate baseband signal or realize signal replay, only for 1435-V |
| 1435-S02 | Linear Frequency Modulation        | Support linear frequency modulation function, only for 1435-V  |
| 1435-S03 | White Gaussian Noise               | Support pure noise generation, additive noise, continuous wave interference function, only for 1435-V                  |

**Ce/year**

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