



Safari™ NexG . High Power CW Transmitter

Portable meets Powerful



Safari™ NexG CW transmitter is a portable high-power signal generator, particularly engineered for field applications such as outdoor model tuning, candidate cell-site assessment as well as multi-band high-power DAS testing.

The instrument comes in dual-port forms. And each port covers a wide range of frequency bands to allow users to mix several bands from 600 MHz up to 4200 MHz in one unit.

The field-proven RF generator is easily operated via its built-in touch keypad & LCD display. And the RF modules are characterized by their full protection against RF open/short and over-temperature. Additionally, the full instrument is unique for its IP 65 protection rating against water and dust when the lid is closed during operation.

The system is based on Consultix award-winning WTX transmitter which achieved remarkable success globally and has been the preferable choice for hundreds of customers since 2011 due to its field-convenience, wide-band operation and cost-efficiency.





| Specifications | Safari™NexG-2CM | Safari™NexG-2WH | Safari™NexG-2CH | Safari™NexG-2CC |
|-----------------------|--|---|--|--|
| No. of Ports | 2 | | | |
| Frequency Bands | Port 1 : 600 to 2700 MHz Port 2 : 3200 to 4200 MHz | Port 1: 600 - 2700 MHz Port 2: 3400 - 3700 MHz | Port 1 : 600 to 4200 MHz Port 2 : 3400 to 3700 MHz | Port 1 : 600 to 4200 MHz Port 2 : 600 to 4200 MHz |
| Frequency Resolution | 100 KHz | | | |
| Frequency Accuracy | 2 ppm. (typ. 1 ppm) | | | |
| Frequency Aging | 1 ppm / year | | | |
| Modulation Type | CW (Continuous Wave) | | | |
| Max. RF Power (Port1) | 43 dBm | 43 dBm | 43 dBm : 600 to 2700 MHz 41.5 dBm : 2700 to 3300 MHz 43 dBm : 3300 to 3500 MHz 41.5 dBm : 3500 to 4000 MHz 40 dBm : 4000 to 4200 MHz | 43 dBm : 600 to 2700 MHz 41.5 dBm : 2700 to 3300 MHz 43 dBm : 3300 to 3500 MHz 41.5 dBm : 3500 to 4000 MHz 40 dBm : 4000 to 4200 MHz |
| Max. RF Power (Port2) | 43 dBm | 45 dBm | 45 dBm | 43 dBm : 600 to 2700 MHz 41.5 dBm : 2700 to 3300 MHz 43 dBm : 3300 to 3500 MHz 41.5 dBm : 3500 to 4000 MHz 40 dBm : 4000 to 4200 MHz |
| Min Output Power | 37 dBm | | | |
| Amplitude Accuracy | ± 1 dB (Typ. ±0.5dB) * | | | |
| Stability | ±0.5 dB + 0.1 dB/ °C * | | | |
| Amplitude Resolution | 1 dB or 1 W (Select with Order) | | | |
| Phase Noise | < -65 dBc/Hz @ 10 KHz offset | | | |
| Spurious | -45 dBc to -60 dBc (@100 KHz from carrier) | | | |
| Power Consumption | 300 Watts | 350 Watts | 350 Watts | 350 Watts |
| RF Output Port | N-female | | | |
| RF Port(s) Impedance | 50 Ω | | | |
| External DC input | 28 VDC (Circular 4 pins connector) | | | |
| Power Supply | Included external AC/DC Adapter: 100-240V AC, 50-60 Hz | | | |
| External Dimensions | 530 x 430 x 230 mm | | | |
| Weight | 15 Kg (33 lbs) | | | |
| Enclosure | Ruggedized Plastic Hard Case | | | |
| Protection** | RF open, short and over temperature | | | |
| Operating Temp | -10 to +50 C | | | |
| Ingress Protection | IP65 (Lid Closed) | | | |
| Cooling | Forced Air | | | |
| Display | LCD | | | |
| Control | Touch Keypad | | | |

* This parameter is specified @ temperature 25 - 30 C° and after a 30 minute warm-up time, hence validation power meter is typically recommended particularly in case of significant temperature changes.

** Available in specific models only. Ask your sales Rep. for details.

| Ordering Information | |
|---|-----------------|
| Portable heavy-duty CW transmitter; dual-port: Port1: 600 to 2700 MHz, Max. power 20 Watts (43 dBm). Port2: 3200 to 4200 MHz, Max. power 20 Watts (43 dBm). N-female connector, LCD display, touch keypad, protection mechanism for RF open/short and over-temperature, IP 65 protection rating (lid closed), AC and DC powered. Including; AC/DC adapter and user manual | Safari™NexG-2CM |
| Portable heavy-duty CW transmitter; dual-port: Port1: 600 to 2700 MHz, Max. power 20 Watts (43 dBm) Port2: 3400 to 3700 MHz, Max. power 30 Watts (45 dBm). N-female connector, LCD display, touch keypad, protection mechanism for RF open/short and over-temperature, IP 65 protection rating (lid closed), AC and DC powered. Including; AC/DC adapter and user manual | Safari™NexG-2WH |
| Portable heavy-duty CW transmitter; dual-port: Port1: 600 to 4200 MHz, Max. power 20 Watts (43 dBm). Refer to band levels Port2: 3400 to 3700 MHz, Max. power 30 Watts (45 dBm). N-female connector, LCD display, touch keypad, protection mechanism for RF open/short and over-temperature, IP 65 protection rating (lid closed), AC and DC powered. Including; AC/DC adapter and user manual | Safari™NexG-2CH |
| Portable heavy-duty CW transmitter; dual-port: Port1: 600 to 4200 MHz, Max. power 20 Watts (43 dBm). Refer to band levels Port2: 600 to 4200 MHz, Max. power 20 Watts (43 dBm). Refer to band levels. N-female connector, LCD display, touch keypad, protection mechanism for RF open/short and over-temperature, IP 65 protection rating (lid closed), AC and DC powered. Including; AC/DC adapter and user manual | Safari™NexG-2CC |

| Optional Accessories | |
|--|-------------------|
| RF cable; 6m, 400 - 5800 MHz, overall Loss 1.5 dB @2.4GHz, Type-N male to Type-N male | Safari-Acc-CNN-6 |
| RF cable; 18m, 400 - 5800 MHz, overall Loss 4.2 dB @2.4GHz, Type-N male to Type-N male | Safari-Acc-CNN-18 |
| Omni-directional antenna; 698 -960 MHz & 1710- 2180 MHz & 2200 - 2700 MHz, 100 Watt, Gain >1.2 dBi, VSWR < 1.8:1 | Safari-Acc-OHA727 |
| Outdoor Omni-directional antenna; 900 MHz Band, 25 Watt, Gain 4 dBi, VSWR 2:1, Type N-female | Safari-Acc-OA9 |
| Outdoor Omni-directional antenna; 1800 MHz Band, 25 Watt, Gain 5 dBi, VSWR 2:1, Type N-female | Safari-Acc-OA18 |
| Outdoor Omni-directional antenna; 1710 - 2170 MHz, 25 Watt, Gain 6 dBi, VSWR < 2:1, Type N-female | Safari-Acc-OA21 |
| Outdoor Omni-directional antenna; 2500 - 2700 MHz, 25 Watt, Gain 6 dBi, VSWR 2:1, Type N-female | Safari-Acc-OA26 |
| Outdoor Omni-directional antenna; 3400 - 3700 MHz, 25 Watt, Gain 9 dBi, VSWR 2:1, Type N-female | Safari-Acc-OA35-9 |
| Non-metal Tripod; 3.2 m (125 in.), Folds down to 2.0 m (78 in.), 1.1m Collapsed, < 7 Kg. Including antenna mounting plate | WTX-Acc-3LT |
| Non-metal Tripod; 4.8 m (188 in.), Folds down to 2.0 m (78 in.), 1.1m Collapsed, < 10 Kg. Including antenna mounting plate | WTX-Acc-5LT |






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