



## 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
Frequency Bands	Port 1 : 600 to 4200 MHz Port 2 : 3000 to 4000 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 : 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	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)	42 dBm : 3000 to 4000 MHz	45 dBm : 3400 to 3700 MHz	45 dBm : 3400 to 3700 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
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	-50 dBc to -60 dBc			
Power Consumption	300 Watts	350 Watts	350 Watts	350 Watts
No. of Ports 1	2			
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 powermeter is typically recommended particularly in case of significant temperature changes.

### Find us:

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<b>Ordering Information</b>	
Portable heavy-duty CW transmitter; dual-port: Port1: 600 to 4200 MHz, Max. power 20 Watts (43 dBm). Refer to band levels Port2: 3000 to 4000 MHz, Max. power 16 Watts (42 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

<b>Optional Accessories</b>	
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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