



Consultix Safari™ High Power CW Kit

Portable meets Powerful



The Safari™ CW transmitter is a portable high-power signal generator engineered particularly for field applications such as outdoor model tuning, candidate site assessment, DAS injection/testing or CW walk-testing.

The RF generator allows full flexibility of user's choice from single, dual or quad port operation with the widest mix of amplifiers in the market from 5 Watts up to 20 Watts covering most of wireless bands from 100 MHz up to 4 GHz.

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.

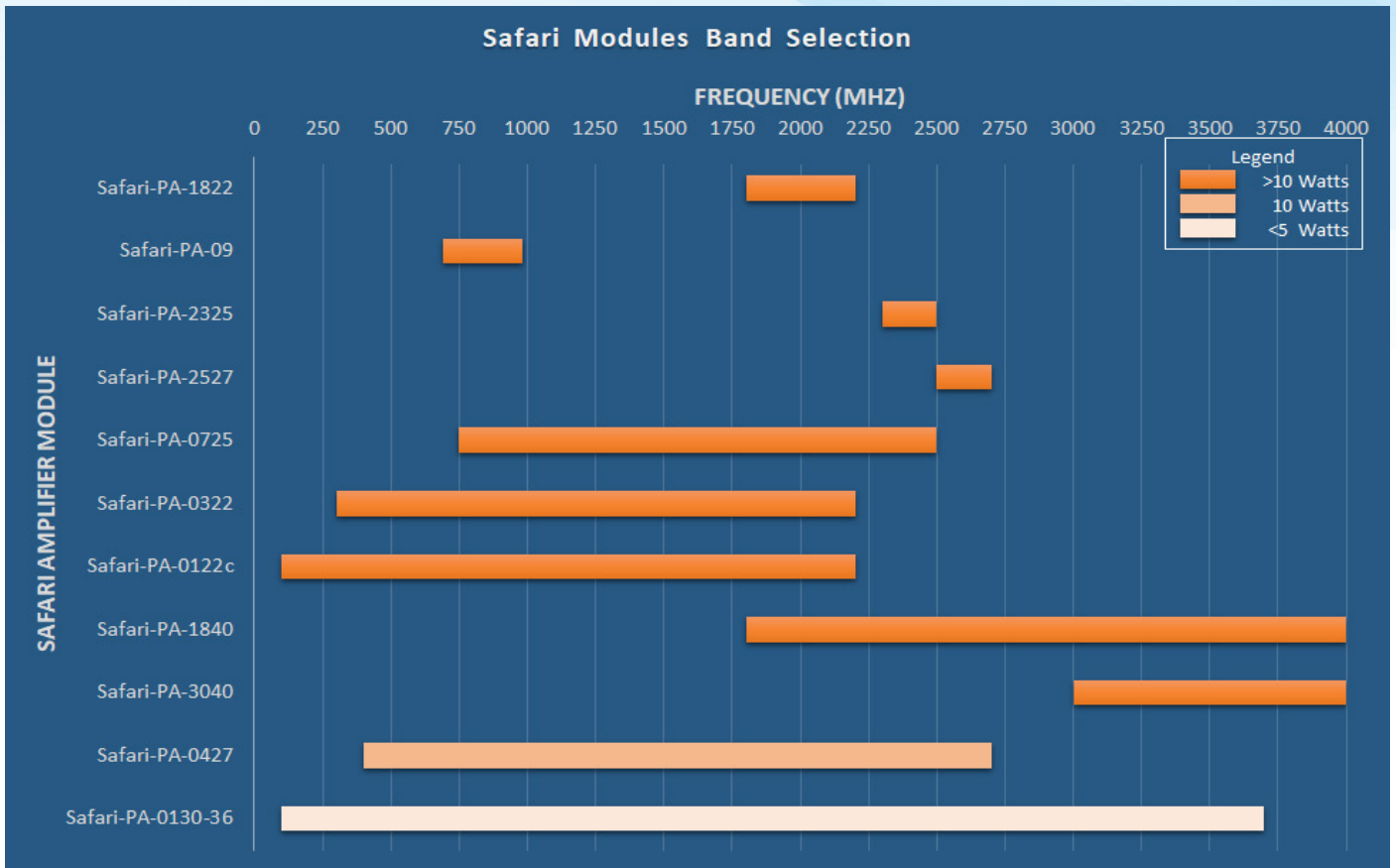


General Information	
Frequency Bands	Selection of up to 4 bands of: 200, 300, 400, 700, 850, 900, 1800,1900, 2100, 2400, 2600, 3500, 3700 MHz or Wideband Modules
Frequency Resolution	100 KHz (1 KHz Optional for Safari-Base1 Models)
Frequency Accuracy	2 ppm. (typ. 1 ppm)
Frequency Aging per Year	1 ppm
Modulation Type	CW (Continuous Wave)
Amplitude Accuracy	± 1 dB (Typ. ± 0.5 dB) *
Stability	± 0.5 dB + 0.1 dB/ °C *
Amplitude Resolution	1 dB or 1 W (Select with Order)
Spectral Purity Phase Noise	-60 dBc/Hz @ 10 KHz Offset
RF Output port	N-female
RF Port(s) Impedance	50 Ω
External DC input	28 VDC
Power Supply	Included external AC/DC Adapter: 100-240V AC, 50-60 Hz
Enclosure	Ruggedized Plastic Hard Case
DC Input Connector	Circular 4 pins
Operating Temperature	-10 to +50 C
Ingress Protection	IP65 (Lid Closed)
Cooling	Forced Air
Display	LCD
Control	Transmitter Keypad
Indoor Mode	Software License -10 to 15 dBm (20 dBm Optional for Safari-Base1 Models)

* 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

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Configuration Guide

Base selection	Safari-Base1	Safari-Base1-37	Safari-Base2	Safari-Base3	Safari-Base4
No of amplifiers/output	1	1	2	3	4
Power Consumption	20 W	25 W	30 W	33 W	36 W
External Dimensions	420 x 340 x 180 mm	450 x 430 x 260 mm	530 x 430 x 230 mm	530 x 430 x 230 mm	620 x 500 x 220 mm
Weight (without amplifiers)	6 Kg	10 Kg	11.5 Kg	12.5 Kg	18.5 Kg

Amplifier Modules	Frequency Range	Maximum Output Power *	Minimum Output Power	VSWR Protection	Power Consumption	Weight
Safari-PA-09	690 to 980 MHz	20 Watt	5 Watt	10:1	98 W	350 gm
Safari-PA-1822	1800 to 2200 MHz	20 Watt	5 Watt	10:1	126 W	500 gm
Safari-PA-2325	2300 to 2500 MHz	20 Watt	5 Watt	10:1	78.4 W	500 gm
Safari-PA-2527	2500 to 2700 MHz	20 Watt	5 Watt	10:1	126 W	500 gm
Safari-PA-0725	750 to 2500 MHz	20 Watt	5 Watt	10:1	98 W	400 gm
Safari-PA-3040	3000 to 4000 MHz	42 dBm	37 dBm	10:1	110 W	600 gm
Safari-PA-1840	1800 to 4000 MHz	42 dBm	37 dBm	10:1	110 W	600 gm
Safari-PA-0322	300 to 2200 MHz	20 Watt	1 Watt	10:1	120 W	900 gm
Safari-PA-0122c**	100 to 2200 MHz	20 Watt	1 Watt	10:1	120 W	900 gm
Safari-PA-0427	400 to 2700 MHz	10 Watt	1 Watt	10:1	70 W	300 gm
Safari-PA-0130-36	100 to 3700 MHz	4 Watt	0.1 Watt	10:1	61.6 W	300 gm

* Refer to Ordering Information Table for Exact Power vs. Frequency

** Should be ordered with Safari-Base1 including WTX-35-C4 only

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Ordering Information	
Portable heavy-duty enclosure for integrated outdoor CW system accomodating transmitter and up to 1 Amplifier	Safari-Base1
Portable heavy-duty enclosure for integrated outdoor CW system accomodating transmitter and up to 1 Amplifier	Safari-Base1-37
Portable heavy-duty enclosure for integrated outdoor CW system accomodating transmitter and up to 2 Amplifiers	Safari-Base2
Portable heavy-duty enclosure for integrated outdoor CW system accomodating transmitter and up to 3 Amplifiers	Safari-Base3
Portable heavy-duty enclosure for integrated outdoor CW system accomodating transmitter and up to 4 Amplifiers	Safari-Base4
Safari Module: Wide-band amplifier; 690 - 980 MHz, 20 Watt CW	Safari-PA-09
Safari Module: Wide-band amplifier; 1800 - 2200MHz, 20 Watt CW	Safari-PA-1822
Safari Module: Power amplifier; 2300 - 2500 MHz, 20 Watt CW	Safari-PA-2325
Safari Module: Power amplifier; 2500 - 2700 MHz, 20 Watt CW	Safari-PA-2527
Safari Module: Power amplifier; 3000 - 4000 MHz , 42 dBm CW	Safari-PA-3040
Safari Module: Wide-band amplifier; 750 - 2500 MHz, 20 Watt CW; 20 Watts; 885 - 2200 MHz 10 Watts; 750 - 885 MHz 10 Watts; 2200 - 2500 MHz	Safari-PA-0725
Safari Module: Wide-band amplifier; 400 - 2700MHz, 10 Watt CW	Safari-PA-0427
Safari Module: Wide-band amplifier; 100 - 3700 MHz; 36 dBm; 100 - 3000 MHz 33 dBm; 3000 - 3600 MHz 30 dBm; 3600 - 3700 MHz	Safari-PA-0130-36
Safari Module: Wide-band amplifier; 1800 - 4000 MHz, 42 dBm CW; 42 dBm; 1800- 2200 MHz 40 dBm; 2200 - 3000 MHz 42 dBm; 3000 - 4000 MHz	Safari-PA-1840
Safari Module: Wide-band amplifier; 300 - 2200 MHz, 43 dBm CW	Safari-PA-0322
Safari Module: Wide-band amplifier; 100 - 2200 MHz, 43 dBm CW	Safari-PA-0122c

Optional Accessories	
Accessory kit for single-port Safari system. Including: 1* Tripod; 4.8 meters (188 in.), folds down to 2.0 m (78 in.), < 10Kg 1* RF Cable; 6 meter, Type-N male to Type-N male, 400-5.8GHz 1* Car magnet mount antenna; multi-band, SMA male connector 1* Car charger for MRX receiver	Safari-Acc1
Accessory kit for dual-port Safari system. Including: 2* Tripod; 4.8 meters (188 in.), folds down to 2.0 m (78 in.), < 10Kg 2* RF Cable; 6 meter, Type-N male to Type-N male, 400-5.8GHz 1* Car magnet mount antenna; multi-band, SMA male connector 1* Car charger for MRX receiver	Safari-Acc2
Accessory kit for tri-port Safari system. Including: 3* Tripod; 4.8 meters (188 in.), folds down to 2.0 m (78 in.), < 10Kg 3* RF Cable; 6 meter, Type-N male to Type-N male, 400-5.8GHz 1* Car magnet mount antenna; multi-band, SMA male connector 1* Car charger for MRX receiver	Safari-Acc3
Accessory kit for quad-port Safari system. Including: 4* Tripod; 4.8 meters (188 in.), folds down to 2.0 m (78 in.), < 10Kg 4* RF Cable; 6 meter, Type-N male to Type-N male, 400-5.8GHz 1* Car magnet mount antenna; multi-band, SMA male connector 1* Car charger for MRX receiver	Safari-Acc4
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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