



TAIT ORCA 5030

TRUNKED

The **Tait Orca 5030** has been designed for ease of use. This **trunked portable** is an affordable alternative to allow communications for your fleet of users.





TAIT

Radio Communications

TAIT ORCA 5030

ORCA 5030 FEATURES

- > 16 Programmable Presets
- > 2 Programmable Function Buttons
- > 10 Conventional Channels
- > MPT Signalling Standards
- > Handset Operation
- > One Touch Call
- > Monitor Function
- > Emergency Mode & SOS
- > Power Saving Modes
- > Remote Stun and Revive
- > PSTN and PABX Calls
- > Audio Noise Reduction
- > Channel Knob Disable
- > Lone Worker

OPTIONS

- > Intrinsically Safe
- > Encryption

ACCESSORIES

- > D-clip and Belt Loop
- > Belt Clips
- > Lapel Speaker Microphones
- > Desktop Charger
- > 6-Way Multi-charger
- > Carry Cases
- > Universal Accessory Interface
- > Full Car Kit

BATTERY OPTIONS

- > 1500mAh NiCd
- > 2000mAh NiMH

GENERAL

Specification	66-88MHz	VHF (136-174MHz)	UHF (400-470, 450-530MHz)
Channel Spacing	12.5/20/25	12.5/20/25	12.5/20/25
Operating Temperature	-20°C to +60°C	-30°C to +60°C	-30°C to +60°C
Transmit Power	1, 2.5, 5 W	1, 2.5, 5 W	1, 2.5, 4 W
Power Supply	7.5 Volts	7.5 Volts	7.5 Volts
Frequency Increments	5 or 6.25kHz	5 or 6.25kHz	5 or 6.25kHz
Frequency Stability	+/- 10ppm (-10°C to +60°C) +/- 15ppm (-10°C to -20°C)	+/- 2.5ppm (-30°C to +60°C)	+/- 2.5ppm (-30°C to +60°C)

TRANSMITTER

Specification	66-88MHz	VHF (136-174MHz)	UHF (400-470, 450-530MHz)
Measurements as per:	ETS 300-086	ETS 300-086	ETS 300-086
Power Output (Low/Mid/High)	1 / 2.5 / 5W	1 / 2.5 / 5W	1 / 2.5 / 4W
Spurious Emissions (Conducted and Radiated)	< -36dBm (0-1GHz), < -30dBm (1-4GHz)	< -36dBm (0-1GHz), < -30dBm (1-4GHz)	< -36dBm (0-1GHz), < -30dBm (1-4GHz)
Hum and Noise (EIA)	38dB (NB), 43dB (WB)	36dB (NB), 42dB (WB)	35dB (NB), 41dB (WB)
Modulation Type	Direct FM	Direct FM	Direct FM
Deviation Limiting	Adjustable up to +/- 5kHz	Adjustable up to +/- 5kHz	Adjustable up to +/- 5kHz
Audio Response (300Hz - 2.55kHz)	Within +1/-3dB of 6dB / Octave Pre-emphasis	Within +1/-3dB of 6dB / Octave Pre-emphasis	Within +1/-3dB of 6dB / Octave Pre-emphasis
Distortion (EIA)	<5% @ 1kHz, 60% Deviation	<5% @ 1kHz, 60% Deviation	<5% @ 1kHz, 60% Deviation

RECEIVER

Specification	66-88MHz	VHF (136-174MHz)	UHF (400-470, 450-530MHz)
Measurements as per:	ETS 300-086	ETS 300-086	ETS 300-086
Intermediate Frequencies	21.4MHz and 455kHz	21.4MHz and 455kHz	45.1MHz and 455MHz
Sensitivity 12dB SINAD	< -119dBm	< -119dBm	< -119dBm
Sensitivity 20dB SINAD	< -114dBm	< -114dBm	< -114dBm
Fixed Squelch Sensitivity	12dB SINAD or 16dB SINAD	12dB SINAD or 16dB SINAD	12dB SINAD or 16dB SINAD
	Nominal	Nominal	Nominal
Selectivity	70dB (NB), 75dB (WB)	70dB (NB), 75dB (WB)	66dB (NB), 72dB (WB)
Spurious Response	70dB	70dB	70dB
Intermodulation	65dB	65dB	65dB
Blocking	94dB	94dB	94dB
Ultimate Signal to Noise Ratio (EIA)	39dB (NB), 44dB (WB)	37dB (NB), 42dB (WB)	34dB (NB), 40dB (WB)
Audio Response (300Hz - 2.55kHz)	Within +1/-3dB of 6dB / Octave De-emphasis	Within +1/-3dB of 6dB / Octave De-emphasis	Within +1/-3dB of 6dB / Octave De-emphasis
Distortion (EIA)	<5% @ 1kHz, 60% Deviation	<5% @ 1kHz, 60% Deviation	<5% @ 1kHz, 60% Deviation
Rated Audio Output	>500mW	>500mW	>500mW



TAIT AUTHORISED DEALER

Specifications are subject to change without notice and shall not form part of any contract. They are issued for guidance purpose only. For further information please check with your nearest Tait office or authorised dealer. The radio meets applicable regulatory requirements.

