



TAIT TP2 DMR TIER 2 PORTABLE RADIO

- Easy to carry with rugged design**
- Cost-effective without compromising quality**
- Dual modes (Analog & Digital) for smooth migration**
- 2-slot increases call capacity**
- User-defined voice announcement**



BENEFITS



Self-defined Voice Annunciation

Directly download voice annunciation of different languages and also zone alert tones to the radio through PC software based on your actual needs. After powering on, voice annunciation will automatically switch to the local language.

Compact Size with Clear and Loud Voice

The 1W high-power loudspeaker, advanced digital voice encoding, and forward error correction make it possible for the user to hear clear and loud voice, even in noisy environments.

IMPROVED CALL CAPACITY WITH 2-SLOT

2-slot within the same 12.5 kHz channel allows two subscriber-to-subscriber group calls on the same frequency at the same time. The call capacity can be increased without having to apply for additional frequencies, ultimately saving costs.

ANALOG AND DIGITAL MODE COMPATIBLE

Smoothly transition between Analog and Digital modes for greater interoperability.

LONGER OPERATION DURATION

TDMA technology and power-saving features conserve battery life. The Tait TP2 fitted with a standard 2000mAh battery can perform for 16 hours, providing ease-of-mind on long shifts.

ARC4 40-BIT ENCRYPTION

ARC4 40-bit encryption provides secure communications, preventing eavesdroppers.

VARIOUS DIGITAL SIGNALING

The TP2 supports features such as Radio Check, Call Alert, Stun/Revive, Radio Kill, and Remote Monitor, which make radio management easy.

MAN DOWN (OPTION)

Optional Man Down feature for improved workforce safety.

TECHNICAL SPECIFICATIONS FOR TP2210

GENERAL INFORMATION	
Frequency Range	136-174MHz, 350-400MHz, 400-470MHz, 450-520MHz
Channel Capacity	256
Zone Capacity	16
Channel Spacing	25KHz / 12.5KHz (Analog) 12.5KHz (Digital)
Operating Temperature	-30°C to +60°C (-22°F to +140°F)
Operating Voltage	7.4V DC ± 20%
Battery	2000mAH Li-ion
Dimensions (with battery, without antenna)	116mm x 54mm x 31mm (4.57in x 2.13in x 1.22in)
Weight (with battery and antenna)	280g
IP Rating, Water Ingress	IP54

RECEIVER	
Frequency Stability	±1.5 ppm
Sensitivity	0.2µV @ 12dB SINAD, 119dBm @ 5% BER
Adjacent Channel Selectivity	-60dB @ 12.5KHz, -70dB @ 25KHz
Intermodulation	-65dB
Spurious Response Rejection	70dB
Rated Audio Output	1W @ 16Ω
Hum and Noise	-40dB @12.5KHz, -45dB @ 25KHz
Rated Audio Distortion	≤ 3% (typically)
Audio Response	+1 ~ -3dB
Conducted Spurious Emission	-57dBm @ <1GHz, -47dBm @ >1GHz
Blocking	84dB

TRANSMITTER	
RF Power Output	5W / 1W (VHF), 4W / 1W (UHF)
Frequency Stability	±1.5ppm
Frequency Modulation	16K0F3E / 11K0F3E (Analog) 4FSK (Digital)
Antenna Impedance	50Ω
Modulation Limiting	±2.5KHz @ 12.5KHz, ±5KHz @ 25KHz
Radiated Spurious Emission	-36dBm < 1GHz, -30dBm > 1GHz
Adjacent Channel Power	60dB @ 12.5KHz, 70dB @ 25KHz
FM Noise	40dB @ 12.5KHz, 45dB @ 25KHz
Modulation Distortion	≤ 3%
Audio Response	+ 1 ~ -3dB
Digital Protocol	ETSI TS 102 361 -1, -2, -3
Digital Vocoder Type	ABME+2™



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