Applicable MIL-STD-810C/D/E/F

Applicable MIL-STD	810C Methods	810C Procedures	810D Methods	810D Procedures	810E Methods	810E Procedures	810F Methods	810F Procedures
Low Pressure	500.1	1	500.2	1,2	500.3	1,2	500.4	1
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2	501.4	1,2
Low Temperature	502.1	1	502.2	1,2	502.3	1,2	502.4	1,2
Temp. Shock	503.1	1	503.2	1	503.3	1	503.4	1
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1,2
Rain	506.1	2	506.2	2	506.3	1,2	506.4	1,2
Humidity	507.1	2	507.2	2,3	507.3	2,3	507.4	1
Salt Fog	509.1	1	509.2	1	509.3	1	509.4	1
Dust	510.1	1	510.2	1	510.3	1	510.4	1
Vibration	514.2	8,10	514.3	1	514.4	1	514.5	1
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4	516.5	1,4

General

Frequency Range(MHz)	446.00625 MHz-446.09375 MHz
Channel Capacity	16
Channel Spacing(KHz)	12.5KHz
Operating Voltage(V)	7.4V
Standard Battery	1300mAh (Li-Ion)
Battery Life (5-5-90 Duty Cycle)	Up to 24 hours
Frequency Stability(ppm)	±2.5 ppm
Operating Temperature(℃)	-25℃ ~ +60℃
Antenna Impedance(Ω)	50 Ω
Dimensions (H×W×D)(with battery, without antenna)(mm)	113x54x35mm
Weight (with antenna & battery)(g)	270g

Transmitter

RF Output Power	0.5W
Modulation	8KΦF3E
Spurious and Harmonics	≤-36dBm (<1GHz)≤-30dBm (>1GHz)
FM Noise	≤ -38dB
Audio Distortion	≤ 5%

All Specifications are tested according to ETSI EN 300 296, and subject to change without notice due to continuous development.

Receiver

Sensitivity	≤0.282 μ V
Selectivity	≥60dB
Intermodulation	≥60dB
Spurious Response Rejection	≥70dB
S/N	≥40dB
Rated Audio Power Output	800mW (Speaker impedance: 16 ohm)
Rated Audio Distortion	≤5% (800mW)

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UK20110302A

HYT Two-way Radio

TC-446S

Professional License-free Radio

- License-free Radio
- Light Weight and Tough Design
- Longer Battery Life
- Enhanced Voice Quality

As a combination of cutting-edge analog technologies and user-centered design, TC-446S gives an edge to your productivity and management efficiency. With its compact design and lightweight chassis, this tough radio is an ideal choice for management in facilities, hospitality, manufacturing, retail, education and construction. Besides, TC-446S provides up to 24 hours of battery life to ensure long-lasting performance and convenience. Affordable price and distinct performance - TC-446S deserves your trust.

TC-446S

Professional License-free Radio

Product Features

License-free Radio

With TC-446S, you can enjoy charge-free communication easily.

Light Weight and Tough Design

TC-446S has a light-weight but exceptionally strong body, allowing it to be carried about easily and to survive harsh conditions.

Longer Battery Life

TC-446S is equipped with a 1650mAh battery that enables you to transmit and receive, on a 5-5-90 basis, for up to 24 hours.

Enhanced Voice Quality

TC-446S employs advanced voice technologies to better the sound quality during your communication.

Main Features

- Voice-operated Transmit (VOX)
- Battery Strength Indicator
- Monitor
- CTCSS/CDCSS and Squelch Tail Elimination
- Scan
- Battery Save
- Low Battery Alert
- Busy Channel Lockout
- Time-out Timer (TOT)
- PC Programmable
- Wired Clone
- Two Squelch Levels Selectable

Applications

- Facilities
- Hospitality
- Manufacturing
- Retail
- Education
- Construction

Accessories

Standard Accessories	Li-Ion Battery (1300mAh) BI1301	Rapid-rate Charger (for Li-Ion Battery) CH10L12
	Switching Power PS1018	Belt Clip BC12	Strap RO03

Featured Optional Accessories

Six-unit Switching Power PS7002
(The power cable may vary in different countries and areas)

Diagram for use:
The six-unit switching power works with multiple standard chargers.

Highlights: This six-unit switching power can work with multiple standard chargers simultaneously, making it an ideal choice for large-scale groups and labor-intensive activities.

Optional Accessories

Li-Ion Battery
(1650mAh) B L1719

Vehicle Power Adapter
CHV09

Earbud with in-line
PTT & VOX ESM11

Earbud with on-MIC
PTT & VOX ESM12

D-earset with Boom
Microphone & VOX EHM16

D-earset with in-Line
MIC & VOX EHM15

Earpiece with on-MIC
PTT & VOX & Transparent
Acoustic Tube EAM12

Nylon Carrying Case
(non-swivel) (black)
NCN001

Remote Speaker Microphone
SM08M3

Receive-Only Earbud
(for use with remote speaker microphone) ESS07

Receive-Only Earpiece with
Transparent Acoustic Tube
(for use with remote speaker microphone) ESS08

Cloning Cable
CP05

Programming Cable (COM Port) PC19
Programming Cable (USB to Serial Port) PC26