

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

Applicable MIL-STD	810C Methods Procedures	810D Methods Procedures	810E Methods Procedures	810F Methods 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

TC-446S

Professional License-free Radio

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	1650mAh (Li-Ion)
Battery Life (5-5-90 Duty Cycle)	Up to 24 hours
Frequency Stability(ppm)	± 2.5 ppm
Operating Temperature(°C)	-25 °C ~ +60 °C
Antenna Impedance(Ω)	50 Ω
Dimensions (H×W×D)(with battery, without antenna)(mm)	113x54x35mm
Weight (with antenna & battery)(g)	270g

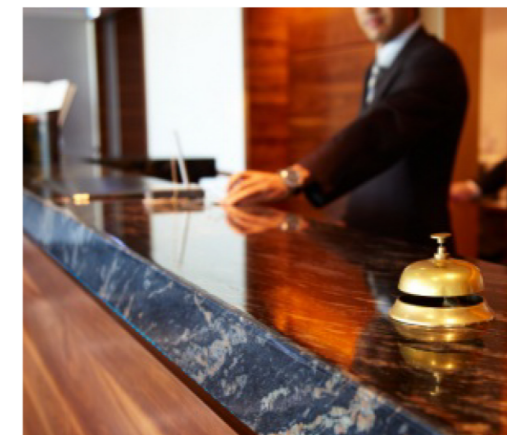
Transmitter

RF Output Power	0.5W
Modulation	8K Φ F3E
Spurious and Harmonics	≤ -36dBm (<1GHz) ≤ -30dBm (>1GHz)
FM Noise	≤ -38dB
Audio Distortion	≤ 5%

All Specifications are tested according to ETSI EN300 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)



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

www.hytera.com



Hytera Communications Corporation Limited

Address: HYT Tower, Hi-Tech Industrial Park North, BeiHuan Rd., Nanshan District, Shenzhen, China
 Tel: +86-755-2697 2999 Fax: +86-755-8613 7139 Post: 518057
 Http: //www.hytera.com

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Dumlupınar Mah. Yumurtacı Abdî Bey Cad. Gümüşdere Çikmazı Sok. Concord İstanbul No: 1/E C Blok Kat: 22 0209 Kadıköy - İstanbul
 Tel: +90 (216) 771 69 94
 www.northera.com.tr

EN30120809A

Hytera Communications Corporation Limited



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.

Applications

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

Main Features

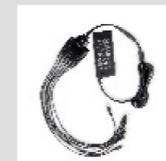
- Voice-operated Transmit (VOX)
- Battery Strength Indicator
- Monitor
- CTCSS/CDCSS and Squelch Tail Elimination
- Scan
- Battery Save
- Low Battery Alert
- Busy Channel Lockout
- Time-out Timer (TOT)
- PC Programmable
- Wired Clone
- Two Squelch Levels Selectable



Accessories

Standard Accessories	Li-Ion Battery (1650mAh) BL1719 Switching Power PS1018	Rapid-rate Charger (for Li-Ion Battery) CH10L12 Belt Clip BC12 Strap RO03
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Featured Optional Accessories



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

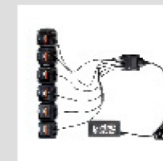


Diagram for use:
The six-unit switching power works with multiple standard chargers.

★ 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.

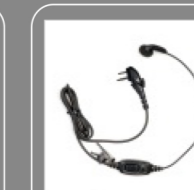
Optional Accessories



Li-Ion Battery (1300mAh) BL1301



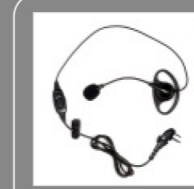
Vehicle Power Adapter CHV09



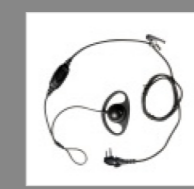
Earbud with in-line PTT & VOX ESM11



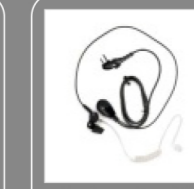
Earbud with on-MIC PTT & VOX ESM12



D-earset with Boom Microphone & VOX EHM16



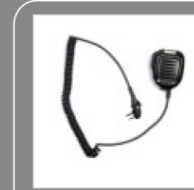
D-earset with in-Line MIC & VOX EHM15



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



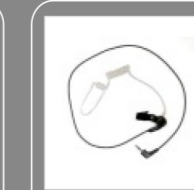
Nylon Carrying Case (non-swivel) (black) NCN001



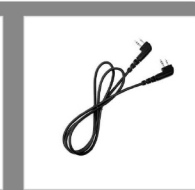
Remote Speaker Microphone SM08M3



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

