

Applicable Military Standards

Military Test Items	American Standard	810C		810D		810E		810F	
		Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure
Low Pressure		500.1	I	500.2	I,II	500.3	I,II	500.4	II
High Temperature		501.1	I,II	501.2	I,II	501.3	I,II	501.4	I,II
Low Temperature		502.1	I	502.2	I,II	502.3	I,II	502.4	I,II
Temp. Shock		503.1	I	503.2	I	503.3	I	503.4	I
Solar Radiation		505.1	I	505.2	I	505.3	I	505.4	I
Rain		506.1	II	506.2	II	506.3	I,II	506.4	I
Humidity		507.1	II	507.2	II,III	507.3	II,III	507.4	I
Salt Fog		509.1	I	509.2	I	509.3	I	509.4	I
Dust		510.1	I	510.2	I	510.3	I	510.4	I
Vibration		514.2	VIII,X	514.3	I	514.4	I	514.5	I
Shock		516.2	I,II,V	516.3	I,IV	516.4	I,IV	516.5	IV

POWER446

Professional License-free Two-way Radio

General

Frequency Range	446.00625-446.09375MHz
Channel Capacity	16
Channel Spacing	12.5KHz
Operating Voltage	7.4V DC
Standard Battery	2000mAh (Li-ion)
Battery Life (5-5-90 Duty Cycle)	25hours
Frequency Stability	± 2.5ppm
Operating Temperature	-25~+65°C
Dimensions (H×W×D)(with battery, without antenna)	119mm×55mm×36mm
Weight (with antenna & battery)	282g
Shock & Vibration	Compliant with MIL-STD 810 C/D/E/F
Dust & Humidity	IP66

Transmitter

RF Power Output	≤0.5W
Modulation	11K Φ F3E
Spurious and Harmonics	-36dBm (frequency <1GHz) -30dBm (frequency >1GHz)
Modulation Limiting	≤2.5KHz
Audio Distortion	≤5%

Receiver

Sensitivity	0.25/0.28 μ V
Adjacent Channel Selectivity	≥60dB
Intermodulation	≥60dB
Spurious Response Rejection	≥70dB
S/N	≥40dB
Rated Audio Power Output	800mW
Rated Audio Distortion	≤5%(800mW)

All Specifications are tested according to applicable standards, and subject to change without notice due to continuous development.



- License-free Radio
- Dust / Water Protection Class IP66
- Longer Battery Life
- Enhanced Voice Quality





Designed with usability as the priority, POWER446 excels with easy operation, clear voice and long battery time. Rugged, reliable and IP66 water / dust -proof, it enables you to focus on your task in various harsh scenarios. Take POWER446 anywhere you go, and enjoy smooth communication anytime.

POWER446

Professional License-free Two-way Radio

Leading Features

License-free Radio

Provides you with charge-free communication easily.

Dust/Water Protection Class IP66

Ensures protection against dust and strong water jets.

Longer Battery Life

Equipped with a 2000mAh battery for 25 hours service time on a 5-5-90 basis.

Enhanced Voice Quality

With a 45mm speaker, POWER446 employs advanced voice technologies to better the sound quality during your communication.

Applications

- Hospitality
- Manufacturing
- Retail
- Port
- Construction



Main Functions

Monitor

CTCSS / CDCSS and Squelch Tail Elimination

VOX

Channel Scan

Battery Save

Low Battery Alert

Busy Channel Lockout

Time-out Timer (TOT)

PC Programmable

Wired Clone

Squelch Levels Selectable

Accessories

Standard Accessories	Li-Ion Battery Power Adapter	Belt Clip Charger	Strap
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Optional Accessories

 Li-Ion Battery (1200mAh) BL1204	 Six-unit Switching Power PS7002	 Vehicle Adapter CHV09	 MCU Rapid-rate Charger (for Li-Ion/Ni-MH battery) MCA02
 Chest Pack (black) LCBN13	 Nylon Carrying Case NCN001	 Programming Cable (COM Port) PC19	 Programming Cable (USB to Serial Port) Pc26
 Earbud with on-MIC PTT & VOX ESM12	 D-earset with in-Line MIC & VOX EHM15	 D-earset with Boom MIC & VOX EHM16	 2-Wire Surveillance Earpiece with Transparent Acoustic Tube and VOX (black) EAM13
 3-Wire Surveillance Earpiece with Transparent Acoustic Tube (black/beige) EAM16/ EAM15	 Behind-the-Head Noise-Cancelling Earpiece ECM14	 DLightweight Throat-Vibrating Earpiece ELM01	 Bone-Induction Earpiece EBM01
 Receive-only Earpiece with Transparent Acoustic Tube (for use with remote speaker microphone) ESS08	 Receive-only Earpiece (for use with remote speaker microphone) ESS07	 Remote Speaker Microphone SM03M3	 Noise-Cancelling Remote Speaker Microphone (IP56) SM13M1

Note: Pictures above are for reference only and may vary from actual product.