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	1,2
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	1,2
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1
Rain	506.1	1,2	506.2	1,2	506.3	1,2	506.4	1,3
Humidity	507.1	1,2	507.2	2,3	507.3	2,3	507.4	
Salt Fog	509.1	1	509.2	1	509.3	1	509.4	
Dust	510.1	1	510.2	1	510.3	1	510.4	1,3
Vibration	514.2	8,10	514.3	1	514.4	1	514.5	1
Shock	516.2	1,2,3,5	516.3	1,4,5	516.4	1,4,5	516.5	1,4,5

General

Frequency Range(MHz)	VHF: 136-174 UHF: 400-420 420-450 440-470 450-470 470-490
Channel Capacity	16
Channel Spacing(KHz)	25 /12.5
Operating Voltage(V)	7.4
Battery	1200mAh (Li-ion)
Battery Life (5-5-90 Duty Cycle)	
1200mAh Li-Ion battery	More than 9 hours
1300mAh Ni-MH battery	More than 9 hours
Frequency Stability(ppm)	±2.5
Operating Temperature(℃)	-20~+55
Antenna Impedance(Ω)	50
Dimensions (H×W×D)(with battery, without antenna)(mm)	117×54×31
Weight (with antenna & battery)(g)	275

Transmitter

RF Power Output	5W/2W(VHF) 5W/2W(UHF)
Modulation	F3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	40/35dB
Audio Distortion	≤5 %

All Specifications are tested according to TIA/EIA-603, and subject to change without notice due to continuous development.

Receiver

Sensitivity	0.25/0.28 μV
Selectivity	70/60dB
Intermodulation	≥60dB
Spurious Response Rejection	≥70dB
S/N	45/40dB
Rated Audio Power Output	800mW
Rated Audio Distortion	≤5%

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■ Enhanced Speaker Protection

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Super Features

Superior Audio Clarity
A 45mm diameter speaker and high audio power can ensure clear, crisp and strong audio, even in noisy environments.

Reliable Mechanical Design
Battery latch is apt to become loose after long time use, and even occasionally causes your radio to shut off automatically. All these will affect your working efficiency. HYT proprietary battery latch mechanism is applied to TC-620 radios. It delivers secure connection between battery and radio, no matter how long the radio has been in use.

Enhanced Speaker Protection
An extra protecting stencil adds more protection for your radio speaker against hard substances such as iron nails and thin sticks, and also against water intrusion.

Added Benefit for Your Business
The TC-620 abandons conventional black body, and employs fashionable grey rubber housing as well as a metal nameplate, to add more benefit for your business.

TC-620

Incorporating cutting-edge technology, HYT TC-620 portable radio portfolio is the option customized for users in property management, and service industries. In addition to the versatile functionality, easy operation, and high performance-to-price ratio characteristics, the innovative and ergonomic design makes the TC-620 satisfy users' requirements for communication as well as pursuance for good look.

Main Features

High/Low Power Switchable
By simple pressing one button, users can switch to low power when communicating within limited range coverage or switch to high power when further distance is required. High transmit power optimizes range coverage while low transmit power conserves battery consumption, all at the user's control.

Programmable 12.5kHz / 25kHz Channel Spacing
The feature enables flexibility and easy migration of channel spacing requirements when the need arises, with no need to buy new radios.

Monitor
Allows users to monitor the activity on the current channel. The feature is especially helpful for receiving a weak signal.

Battery Save
The Battery Save feature is automatically activated once no activity on the channel and no operation performed, for extended operation time.

Low Battery Alert
Alert users to recharge the battery should the battery level run low.

Busy Channel Lockout
A channel already in use is not available to other users.

Time-out Timer
The feature allows for more efficient use of channels by limiting the amount of time of each transmission.

PC Programmable
You are able to customize the features of each radio for each user.

Wired Clone
Easily copy the features of one radio to another.

CTCSS/CDCSS
Set up workgroups/users with unique CDCSS/CTCSS to prevent unwanted conversations on the same frequency.

Selectable Squelch Level (0-9)
Helps minimize interference from undesired weak signals and helps weak signals be heard.

Channel Scan
The channel scan feature enables the radio to continuously scan each channel in the scan list for activity. Simply press a side function button to activate scanning. When activity is detected on a channel the scan process will stop and you will hear the transmission.

Voice Operated Transmit (VOX)
Enjoy the convenience of hands-free operation when used with optional accessories.

Recommended Applications

- Property management
- Logistics
- Warehousing
- Hospitality
- Restaurant
- Supermarket

Accessories

Standard Accessories	U/V Antenna	MCU Charger CH10A03	Belt Clip BC12
	Li-ion Battery (1200mAh) BL1204	EU-standard Switching Power Ps1035	Strap RO03

Optional Accessories

Ni-MH battery (1300mAh) BH1303

MCU rapid-rate multi-unit charger for Li-Iion/Ni-MH batteries MCA02

Six-unit switching power (Japan) PS7001

Light-weight, Behind-the-Head Earpiece with in-Line PTT & VOX ECM11

Light-weight, Single-Muff Headset with in-Line PTT & VOX ECM12

Remote speaker microphone SM08M3

Heavy weight high-quality noise-cancelling & VOX headset ECM13

Behind-the-head, noise-cancelling & VOX headset ECM14

D-earset with in-Line PTT & microphone & VOX EHM15

D-earset with boom microphone & in-Line PTT & VOX EHM16

Leather carrying case LCBN56

Earbud with in-Line PTT & VOX ESM11

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