

U.V Dual Band TH-UVF1

Dual-band Dual-display Dual-standby
 Convenient intelligent menu operations
 2TONE STONE(Optional)



Manufacturer: TYT

Model : TH-UVF1

Description:

The TH-UVF1 is TYT electronics FCC Pt. 90 dual band FM transceiver. It has wide frequency coverage allowing it to be used for a variety of services, U/V dual band mode, dual display, dual standby, shortcut menu operation, FM radio, flashlight and many other advanced functions. With repeater offset, shift, and CTCSS/DCS/DTMF the radio is great for Amateur's and Business band users alike. Certifications include CE, RoHS, and FCC

▪ Dual band, dual display, dual standby	▪ 128 groups channels storage
▪ ANI ID function	▪ Emergency alert
▪ FM radio and 25 stations storage	▪ 8 groups scrambler(optional)
▪ MSK/DTMF/2/5 tone encoder and decoder	▪ CTCSS/DCS scanning
▪ 0~9 grades VOX selectable	▪ Multi and priority channel scan function
▪ Channel name display and setting	▪ Group calls
▪ Power on message display	▪ Chinese and English voice prompt
▪ Frequency difference setting	▪ PC software programmable
▪ Reverse frequency	▪ Wired clone function
▪ COMP function	▪ High/Low TX power selectable
▪ Wide/Narrow Band(25kHz/12.5kHz)	▪ Busy channel lock-out(BCLO)
▪ Transmitter time-out timer(TOT)	▪ End-tone Elimination
▪ 1750Hz tone	▪ Tri-color backlight (blue, purple, orange)
▪ LED setting	▪ Beep setting
▪ Transmit over beeper	▪ Dual monitor
▪ Receive power saving	▪ Battery power voltage
▪ Repeater shift direction	▪ Frequency spacing function

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2TONE 5TONE(Optional)



Frequency Range	70-108MHz(FM Receive only) 136-174MHz(RX/TX) 400-470MHz(RX/TX) 350-390MHz(RX) 470-520MHz(RX)
Channel No.	128
Frequency Stability	5ppm
Antenna	High gain antenna
Antenna Impedance	50Ω
Operating Voltage	DC 7.2V
Mode of operation	Simple or semi-duplex
Dimension (W x H x D)	115 x 51 x 33 mm
Weight	260g (including battery, antenna)
Transmitter	
Output power	≥4W(H) ≥0.5W(L)
Modulation Mode	16kΦF3E / 11kΦF3E
Maximum deviation	< 5kHz(Wide) / < 2.5kHz(Narrow)
Spurious Radiation	< 7μW
Adjacent Ch. power	≤-65dB(Wide) / ≤-60dB(Narrow)
Pre-emphasis characteristics	6dB
Current	≤1.6A(5W)
CTCSS/DCS deviation	0.5±0.1kHz(Wide) / 0.3±0.1kHz(Narrow)
Intermediation sensitivity	8-12mv
Intermediation distortion	< 10%
Receiver	
RF Sensitivity	-122dbm(12db SINAD)
Audio power	≥0.5W
Audio Distortion	≤10%
Intermediation	≤-60dB(Wide) / ≤-55dB(Narrow)
Selectivity	≤-65dB(Wide) / ≤-60dB(Narrow)
Spurious Rejection	≤-65dB
Blocking	≥85dBuv/m