



RADIO FREQUENCY INDUSTRIES (PTY.) LTD.

"Simply The Best"

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ALBERTON

ALBERTON NORTH, 1450

1450

AnyTone

AT-289 MB/VHF/UHF

PORTABLE RADIO

IDEAL FOR LICENSE FREE USE ON UHF AS WELL AS FOR NORMAL COMMERCIAL USAGE ON ALL BANDS



GENERAL SPECIFICATION

ORDERING CODE	:	AT289-MB, AT289-VHF OR AT289UHF
OPERATING FREQUENCY	:	66-88 or 136-174 or 400-480 MHz.
CHANNEL CAPACITY	:	128 (8 BANKS OF 16)
CHANNEL SPACING	:	25KHz, 20KHz, 12.5KHz.
PHASE-LOCK STEPS	:	5KHz, 6.25KHz.
OPERATING VOLTAGE	:	7.4VOLT DC \pm 20%
BATTERY LIFE	:	\geq 14 HOURS
FREQUENCY STABILITY	:	\pm 2.5ppm
SIZE	:	260X60X35 (Radio, Antenna And Battery Complete)
WEIGHT	:	208g (Radio Complete)

RECEIVER SPECIFICATION

SENSITIVITY (12dB SINAD)	:	\leq 0.35 μ V @ 12.5KHz.
ADJACENT CH SELECTIVITY	:	\geq 60dB @ 12.5KHz.
INTERMODULATION	:	\geq 60dB @ 12.5KHz.
SPEERIOS REJECTION	:	\geq 70dB @ 12.5KHz.
AUDIO RESPONSE	:	+1~ -3dB (0.3~2.25khz.)
AUDIO DISTORTION	:	\leq 5%

TRANSMITTER SPECIFICATION

POWER OUTPUT	:	5W/2W/0.5W (PROGRAMMABLE)
MODULATION	:	FM (11K ϕ F3E)
ADJACENT CH POWER	:	\geq 65dB @ 12.5KHz.
HUM & NOISE	:	\leq 36dB
SPEERIOS EMISSION	:	\geq 36dB
AUDIO RESPONSE	:	+1~ -3dB (0.3~2.25khz.)
AUDIO DISTORTION	:	\leq 5%

RADIO FEATURES

DTMF Encode & Decode (Used for radio identification)
STUN, KILL & WAKE Functions (Using DTMF Coding & Decoding)
Password Protection (All Programming Information is Hidden)
Whisper Function (For Amplification of soft spoken voice)
Componder Function (Reduce Noise & Enhance Audio clarity)
Scramble Function
Emergency Alarm Function (Fully Programmable)

GENERAL INFORMATION & CERTIFICATION

ETSI EN 300 086 STANDARD TESTING CERTIFICATION
CE CERTIFICATION : CE0678
ICASA CERTIFICATION :TA2012/1780 & TA-2011/1394 & TA2014/323

Manufacturers of : Two-Way Radio Antennas, Duplexers, Filters, Combiners, Splitters, Lightning protectors & other RF Products.
Sales and Distribution of: Two-Way Radios, Repeater Systems, Power Meters, Microphones, Power Supplies, Cables & Connectors.