

COMMUNICATIONS - APPLIED TECHNOLOGY

11250-14 Roger Bacon Drive

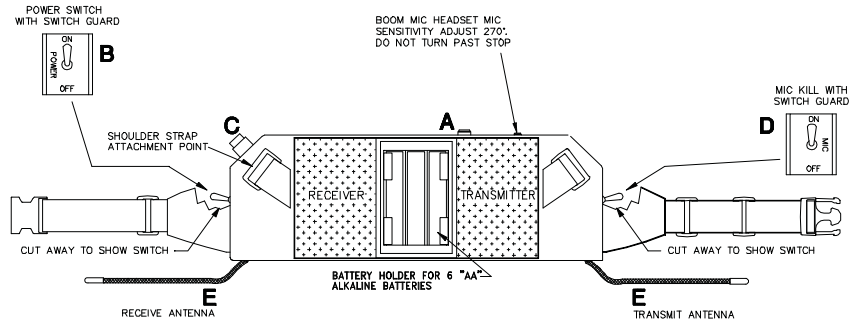
Reston, Virginia 20190-5202

800-229-3925 (voice)

703-471-4428 (fax)

http://www.c-at.com (internet)

MODEL QB3S*, DUPLEX, PORTABLE RADIO



Specifications of the QB3S transmitter

Frequency range:	150-225MHz (25KHz or 12.5KHz offset)
Frequency stability:	$\pm 0.005\%$ -20 to +60 degrees C
Power Output	50mW into 50Ohm (25mW, 100mW configurations available)
Harmonics	Less than -60dBc
Spurs	Less than -50dBc
Frequency Deviation	Set to ± 6 KHz
Current Drain	Approximately 36mA:50mW, 50mA:100m
VSWR	Will withstand infinite VSWR without damage or unstable operation
Pre-emphasis	160 uS $\pm 2\%$ 6dB per octave
Audio Frequency Response	300Hz to 4.0KHz ± 1 dB
Environmental	Full specs -20 to +60 degrees C

Specifications of the QB3S receive

Frequency Range	150-225 MHz
Frequency Stability	$\pm 0.005\%$ -20 to +50 degrees C
Sensitivity	.75 uV or better for 30dB SNR
Image Rejection	75dB min
Frequency Response	300Hz to 4.0KHz ± 1 dB
Distortion	2% worst case
Ultimate SNR	80dB min
Output Level	0 to 2V RMS into 100Ohm
Power Requirement	9V battery or six "AA" batteries
Current Drain	40mA
Environmental	Full specs -20 to +60 degrees C

For Additional Information...

G. Seth Leyman

President/Founder

Communications-Applied Technology

11250-14 Roger Bacon Drive, Reston, VA, 20190 USA

Voice: +1-703-481-0068; Fax: 703-471-4428

E-mail: leymans@c-at.com

Website: www.c-at.com

CAGE Code: 0EEY2, TIN: 54-1215868

DOL Veteran-owned, Small Business SIC 3669

MADE IN THE U.S.A