

The New Generation of Inexpensive Imported Ham Radios

Are they worth it?

Report

By

Mark Hayden, N7YLA

Coordinator

Glendora Emergency Response Communications

March 16, 2010

Glendora, California

Alinco DJ-175 T



\$109.95

Icom V-82



\$129.95

Icom v-85



\$178.95

Kenwood TH-K2AT



\$149.95

Yaesu FT-250



\$129.95

Yaesu 270R



\$139.95

Name Brand 2 Meter HTs (5 watts RF output or better)



Feidaxin FD 160A - \$54.40



Quansheng TG-45A- \$59.50



Weierwei VEV-3288S - \$66.50



Quansheng KG-K4AT- \$59.50



Feidaxin FD-268A - \$65.70



Wouxun KG-679 - \$73.00

Chinese manufactured 2 Meter HTs (5 watts RF output or better)



Weierwei VEV-1000 - \$79.00

Websites for Offshore Amateur Radio Products

<http://www.409shop.com/> ✓ recommended company

<http://stores.ebay.com/proradioshop>

<http://www.asiaradiosales.com/>

<http://stores.ebay.com/radiogearpro>

Manufacturers Websites

Quansheng: <http://www.qsfj.com/en/>

Feidaxin: <http://feidaxin.en.alibaba.com/>

Weierwei: <http://www.gzwew.com/eDefault.asp>

Wouxun: <http://www.wouxun.com/>

Comparison of 2 meter HT's suitable for Emcomm prepared by N7YLA 3/1/10

[illegible]

Comparison of Technical Specifications for 2 meter HT transceivers

Compiled by N7YLA 3/4/2010

Brand	Model	Operating voltage	Antenna Impedance	Frequency stability	Modulation type	Max freq deviation	Spurious emmissions	Audio Output power
Alinco	DJ-175T	7.2 v battery only	50 ohm	+/- 2.5 ppm	F3E	+/- 5 KHz	-60dB or less	500 mw
Icom	V-82	7.2 v	50 ohm	±2.5 ppm (-10°C to 60°C)	F3E	5.0/±2.5kHz (Wide/narrow)	Less than -60dBc	300mW with an 8Ω load
Icom	V-85	7.2 v	50 ohm	±2.5ppm (-10°C to +60°C)	F3E	±5.0kHz	Less than –60dBc	More than 300mW with an 8Ω load
Kenwood	TH-K2AT	7.2 v DC in Jack 12 to 16.0 V (13.8 V)	50 ohm	Within ± 5 ppm	F3E	±5 kHz	-60 dB or less	More than 400 mW (7.2 V 8 ohm)
Yaesu	FT-250	7.2 v	50 ohm	n/a	F3E	±5 kHz	Less than –60dBc	n/a
Yaesu	FT-270R	7.2 v	50 ohm	+/- 5 ppm (-10°C to +60°C)	F3E	±5 kHz	Less than –60dBc	800 mw
Feidaxun	FD-160A	7.2 v (6 vdc to 8 vdc)	50 ohm	+/- 2.5 ppm	F3E	<5 KHz	≤ -45 dB	500 mw
Weierwei	VEV-3288S	7.2 v	50 ohm	+/- 2.5 ppm	F3E	<+/- 5 KHz	Less than -35 dB	500 mw
Quansheng	KG-K4AT	7.2 v	50 ohm	+5 ppm	F3E	5 KHz	-35 dB	500 mw
Feidaxun	FD-268A	7.2 v	50 ohm	+/- 2.5 ppm	F3E	<5KHz	≤ -45 dB	500 mw
Wouxun	KG-679	7.4 v	50 ohm	+/- 2.0 ppm	F3E	±5 kHz	-36 dB	500 mw
Quansheng	TG-45AT	7.2 v	50 ohm	n/a	F3E	<+/- 5 KHz	< - 60dB	>300 mw
Weierwei	VEV-1000	7.2 v	50 ohm	+/- 2.5 ppm	F3E	±5kHz	< -65dB	500 mw

Comparison of Technical Specifications for 2 meter HT transceivers
Compiled by N7YLA 3/4/2010

**Handheld VHF/UHF Radios
Comparison Worksheet**

		Radio #1	Radio #2	Radio #3	Radio #4	Radio #5	Radio #6
Manufacturer							
Model							
TRANSMIT/RECEIVE COVERAGE							
Transmit Range	MHz						
Receive Range	MHz						
Wideband receive	Y/N						
Airband Receive	Y/N						
Single/Multi Receive (*)	Y/N						
Power Output	Watts						
CONFIGURATION FEATURES							
Memories	Number						
CTCSS Tones	Yes/No						
DTMF Tones	Yes/No						
Tone Squelch	Yes/No						
DCS Squelch	Yes/No						
Scanning	Yes/No						
DISPLAY & PROGRAMMING							
Alphanumeric Display	Yes/No						
PC Programmable	Yes/No						
Radio-to-Radio Cloning	Yes/No						
POWER							
Battery Pack Type	NiCd, NiMH, Li-Ion						
Battery Pack Capacity	Ampere-Hours						
AA Battery Pack	Yes/No						
Ext. DC Supply Voltage	Volts						
Desktop Quick Charger	Yes/No						
Antenna Connector	BNC, SMA, etc						
SIZE							
Height (in.)							
Width (in.)							
Depth (in.)							
Weight (oz.)							
Price							

* = for Multiband handhelds only

