

## BFDX Model: BF-318 Tri Band VHF/UHF Two-Way Radio Handheld Transceiver



<b>BFDX Model No.</b>	<b>BF-318 Distributed by JACC</b>
	<b>General</b>
	<b>Tri-Band</b>
<b>Frequency Range</b>	136-174MHz, 350-390MHz, 400-470MHz
<b>Channels</b>	99
<b>Channel Spacing</b>	25 kHz (Wide) / 12.5 kHz (Narrow)
<b>Operating Temperature</b>	-4°F to 140°F / -20°C to 60°C
<b>Antenna Impedance</b>	50 Ohms
<b>Working Voltage</b>	3.7V DC (+/-20%)
<b>Battery Capacity</b>	3200 mAh (Li-ion)
<b>Frequency Stability</b>	+/- 2.5 ppm
<b>Dimensions</b>	2.3" x 1.6" x 4.1" / 59 x 41 x 103 mm
<b>Weight</b>	0.484 lbs / 220g (including battery pack)
	<b>Transmitter</b>
<b>Power Output</b>	≤ 3 Watts
<b>Modulation Mode</b>	16K $\phi$ F3E (Wide) / 8K $\phi$ F3E (Narrow)
<b>Clutter and Harmonic</b>	≤ -36 dBm
<b>FM Noise</b>	≤ -40 dB
<b>Audio Distortion</b>	≤ 5%
<b>Adjacent Channel Power</b>	≤ 65dB (Wide) / ≤ 55dB (Narrow)
<b>Modulation Limit</b>	≤ 5 kHz (Wide) / ≤ 2.5 kHz (Narrow)
	<b>Receiver</b>
<b>Sensitivity (at 12dB SINARD)</b>	≤ 0.165uV (Wide) / ≤ 0.2uV (Narrow)
<b>Adjacent Channel Selectivity</b>	≥ 60dB (Wide) / ≥ 50dB (Narrow)
<b>Intermodulation Rejection</b>	≥ 60dB (Wide) / ≥ 50dB (Narrow)
<b>Spurious Rejection</b>	≥ 60dB (Wide) / ≥ 50dB (Narrow)
<b>Signal to Noise Ratio</b>	≥ 45dB (Wide) / ≥ 40dB (Narrow)
<b>Audio Output Power</b>	500 mW
<b>Audio Distortion</b>	≤ 5%

