

Blackbox POCKET / Motorola CLS Radio Comparison Grid

Blackbox POCKET		CLS110	CLS1410/1413
MSRP \$89.95 ✓		MSRP \$159.95	MSRP \$179.95
GENERAL SPECIFICATIONS		GENERAL SPECIFICATIONS	
Frequency Range	UHF 400-470MHz	UHF 459.5 - 469.5	UHF 459.5 - 469.5
Channel Capacity	16CH ✓	1	4
Channel Spacing	12.5 kHz	12.5 kHz	12.5 kHz
Tone Codes	PL = 52 DPL = 112	PL= 38 DPL= 83	PL= 38 DPL= 83
Battery Capacity	1500 mAh (Li-Ion)	1800 mAh	1800 mAh
Range Coverage	300,000 sqft, up to 1.2 miles	200,000 sq ft	200,000 sq ft
Operating Temperature	-20°C to +50 °C	n/a	n/a
Average Battery Life @ 5/5/90	18 hours	18 hours	18 hours
Radio Dimensions	3.7" tall x 2" wide x 0.7" thick ✓	4.1" tall x 2.0" wide x 1.1" thick	4.1" tall x 2.0" wide x 1.1" thick
Antenna Impedance	50Ω	n/a	n/a
Weight (with battery)	2.8 oz ✓	5 oz.	5 oz.
TRANSMITTER		TRANSMITTER	
RF Output Power	1.5 Watts ✓	1.0 Watts	1.0 Watts
Frequency Stability	±2.5ppm	< 2.0 ppm	< 2.0 ppm
Frequency Response	0.57KHZ	+1 to -3 dB	+1 to -3 dB
Compander	Yes, option in programming	Yes, option in programming	Yes, option in programming
Modulation Distortion	< 5%	< 2%	< 2%
Adjacent Channel Power	<=66dB	60dB	60dB
RECEIVER		RECEIVER	
Sensitivity	≤-121dB	-122 dBm (0.18 uV)	-122 dBm (0.18 uV)
SQ	-126 (OFF), -123 (ON)	n/a	n/a
Frequency Response	0.86V	85 db	85 db
Audio Distortion	≤5%	≤5%	≤5%
Speaker Max Output	1.4V±0.1V	n/a	n/a

FEATURE COMPARISONS:

POCKET features:	CLS features:
<ul style="list-style-type: none"> • 16 Channels • Output 1.5W • Voice Prompt • VOX Function • Scan Function • Scramble Function • Time-out Timer (TOT) • Battery Saver • Low Battery Warning • TX End Tone • Busy Channel Lock Out • Squelch Level Adjust • CTCSS/DCS Decode and Encode • Wide/Narrow Band 25KHz/12.5KHz • Kenwood connector for earpieces. • Adapter available for Motorola accessories. 	<ul style="list-style-type: none"> • Max 4 channels • Output 1W • No Voice Prompt • VOX Function unknown • Scan Function unknown • Scramble Function unknown • Time-out Timer (TOT) unknown • Battery Saver unknown • Low Battery Warning unknown • TX End Tone unknown • Busy Channel Lock Out unknown • Squelch Level Adjust unknown • CTCSS/DCS Decode and Encode unknown • Wide/Narrow Band 12.5KHz • Motorola connector for earpieces.