

DSC Emergency Reception
Antenna (DERA)

DSC Receiver

2,187.5, 4,207.5,
6,312.0, 8,414.5
12,577.0, 16,804.5
kHz Scan

DSC Emergency
Transmit
Frequencies
are the same.

HF SSB
Antenna

DSC WATCH (Selected)

Ship to Ship 2,177.0
International 4,219.5,
6,331.0, 8,436.5
12,657.0, 16,903.0 kHz Scan

DSC Call/TX

Ship to Ship 2,177.0
International 4,208.0,
6,312.5, 8,415.0
12,577.5, 16,805.0 kHz Scan

Emergency Traffic (Voice)

SIMPLEX 2,182.0, 4,125.0
6,215.0, 8,291.0
12,290.0, 16,420.0
DUPLEX R/T
4,426.0/4,134.0 6,501.0/6200.0
8,764.0/8,240.0 13,089.0/12,242.0 kHz

IC – M802 As Shipped

CHANNEL MHZ	APPROX RANGE		Ground Wave	
2 XX	2 MHz	100 miles day	1000 miles night	150 miles
4 XX	4 MHz	100 miles day	1500 miles night	100 miles
6 XX	6 MHz	500 miles	1500 miles night	75 miles
8 XX	8 MHz	700 miles day	2000 miles night	70 miles
12 XX	12 & 13 MHz	100 miles evenings;	3000 miles days	50 miles
16 XX	17 & 17 MHz	Unreliable evenings;	4000 miles days	50 miles
22 XX	22 MHz	Daytime only band,	worldwide	~50 miles

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6,312.0, 8,414.5
12,577.0, 16,804.5
kHz Scan

DSC Emergency
Transmit
Frequencies
are the same.

HF SSB
Antenna

DSC WATCH kHz Scan

All Simplex/Ship to Ship
2,177.0 4,208.0,
6,312.5 8,415.0
12,577.5 16,805.0

Emergency Traffic (Voice)

SIMPLEX 2,182.0, 4,125.0
6,215.0, 8,291.0
12,290.0, 16,420.0
DUPLICATE R/T
4,426.0/4,134.0 6,501.0/6200.0
8,764.0/8,240.0 13,089.0/12,242.0 kHz

**IC – M802 As per
DSC Upgrade**

CHANNEL MHZ	APPROX RANGE	Ground Wave
2 XX 2 MHz	100 miles day 1000 miles night	150 miles
4 XX 4 MHz	100 miles day 1500 miles night	100 miles
6 XX 6 MHz	500 miles 1500 miles night	75 miles
8 XX 8 MHz	700 miles day 2000 miles night	70 miles
12 XX 12 & 13 MHz	100 miles evenings; 3000 miles days	50 miles
16 XX 17 & 17 MHz	Unreliable evenings; 4000 miles days	50 miles
22 XX 22 MHz	Daytime only band, worldwide	~50 miles