

Typical marine HF transmitters and receivers

Marconi Oceanspan-6/7 Transmitter

3 x 807 PA (class C) modulated by 2x 807 crystal controlled

410 – 525 KHz	100 Watts out	CW, MCW
2 Mhz R/T	100 Watts out	AM High level Mod
4 – 22 MHz	100 Watts out	CW, MCW,

Powered either by AC mains or 24/110/220 volt DC with a rotary transformer.

Later models (7) also fitted with HF R/T (AM)

Marconi Commandant Hybrid transmitter

Crystal controlled synthesizer.

410 – 525 KHz	400 watts out	CW, MCW
2 MHz R/T	100 watts out	AM, SSB
4 – 22 MHz	400 watts out	AM, CW, SSB

Marconi Globespan transmitter (My personal favourite)

3 x 4-400a PA (Class C) plate and screen modulated by 2x 4-400a crystal controlled

410 – 525 KHz	800 Watts out	CW, MCW
2 MHz R/T	100 Watts out	AM high level mod (Power limited)
4 – 22 MHz	1.2 Kw out	AM (R/T), CW, MCW

Optical overload sensor via a photocell (measuring glow from the anodes!)

Powered by 440V 3 phase AC

Marconi Crusader Hybrid Transmitter

3 x 4-400 PA (Class AB1 linear amplifier)

410 – 525 KHz	800 Watts out	CW, MCW (Low level mod)
2 Mhz R/T	400 Watts PEP out	AM (Low level mod), SSB (power reduction)
4 – 22 MHz	1.5 Kw PEP out	SSB R/T
	1.2 Kw out	CW

Optical overload sensor via a photocell (measuring the glow from the anodes!)

Powered by 440V 3 phase AC

Redifon RMT1500 Hybrid synthesized transmitter

4x 4CX250B PA (Class AB1 linear amplifier) Wideband solid state exciter.

410 – 525 KHz	800 Watts out	CW, MCW (low level mod)
2 MHz R/T	400 Watts PEP out	AM (Low level mod) / SSB (Power reduction)
4 – 22 MHz	1.5 Kw PEP out	SSB R/T
	1.2 Kw out	CW

powered by 440v 3 phase AC

Marconi Reliant Emergency transmitter

2 x 6146 PA (Class C) plate and screen modulated by self oscillating modulator.

Crystal controlled 410 – 512 Khz 100 Watts out.

Powered by 24V DC emergency batteries.

Sailor HF SSB /CW Transmitter and receiver

2 x 4cx250B PA (Class AB1 Wideband linear amplifier)

400W PEP SSB / CW out

Synthesised Transmitter, marine frequencies only.

Synthesized Receiver general coverage.

Marconi Atalanta Receiver

15KHz – 25MHz marine all valve receiver with bandspread

Double superhet

Crystal calibrator

AM, CW, MCW

2nd IF filters:- Wide, Medium, Narrow and V. Narrow (AF note filter).

Powered 220 V AC/DC

Redifon R408 receiver

15 KHz – 25 MHz all transistor marine receiver.

30 x 1 MHz bands

Large optical 1 MHz bandspread dial

Crystal calibrator

Numerous IF filters

Powered by 110/220v AC

Redifon R551 receiver

15 KHz – 30 MHz synthesized marine receiver

Frequency setting by decade switched synthesizer

100 KHz VFO with a mechanical counter dial for fine tuning.

Powered by 110/220v AC

Alert Auto alarm receiver

500Khz fixed tuned. TRF straight receiver.

Powered by 24V DC from ships batteries