

SECTION 2 SPECIFICATIONS

- Receive frequency range

| VERSION | FREQUENCY COVERAGE (MHz) |
|----------------------|--------------------------------------|
| USA and EUROPE | 25 ~ 999.999 * 1025 ~ 1999.999 |
| AUSTRALIA and FRANCE | ** 25 ~ 999.999 * 1025 ~ 1999.999 |

* Specifications guaranteed from 1240 to 1300MHz.

** Excluding 87.5 to 108MHz.

- Receive modes

: A3E (AM), F3E (FM), J3E (SSB)

- Sensitivity

: 25 ~ 999.999MHz

FM : Less than 0.5 μ V for 12dB SINAD

FM (wide) : Less than 1.0 μ V for 12dB SINAD

AM : Less than 1.0 μ V for 10dB S/N

SSB : Less than 0.3 μ V for 10dB S/N

1240 ~ 1300MHz

FM : Less than 0.5 μ V for 12dB SINAD

FM (wide) : Less than 2.0 μ V for 12dB SINAD

AM : Less than 2.0 μ V for 10dB S/N

SSB : Less than 0.3 μ V for 10dB S/N

- Squelch sensitivity

: FM (Threshold) Less than 0.2 μ V for noise squelch

FM (Tight) More than 32mV for meter squelch at S9+60dB

SSB (Threshold) More than 3.0 μ V for meter squelch

- Selectivity

: FM, AM \pm 7.5kHz minimum at -6dB

FM (narrow), AM (narrow) \pm 3.0kHz minimum at -6dB

FM (wide) \pm 75kHz minimum at -6dB

SSB \pm 1.4kHz minimum at -6dB

- Spurious and image response rejection

: More than 60dB

- Frequency stability

: 25 ~ 999.999MHz \pm 5ppm at 0°C ~ +50°C

1240 ~ 1300MHz \pm 10ppm at 0°C ~ +50°C

- Receive system

: 25 ~ 999.999MHz

FM, AM, SSB Triple-conversion superheterodyne

FM (wide) Double-conversion superheterodyne

1240 ~ 1300MHz:

FM, AM, SSB Quadruple-conversion superheterodyne

FM (wide) Triple-conversion superheterodyne

- Intermediate frequencies

: 25 ~ 512MHz:

1st 778.7MHz

2nd 10.7MHz

3rd 455kHz excluding FM (wide) mode

512 ~ 999.999MHz

1st 266.7MHz

2nd 10.7MHz

3rd 455kHz excluding FM (wide) mode

- Frequency control

: CPU based 100Hz step digital PLL synthesizer

- Number of memory channels

: 99 channels

- Supply voltage

: 117, 220 or 234V AC (50/60Hz)

- Current drain

: Receiving 1.7A at maximum audio output

Squelched 1.4A

- Antenna impedance

: 50 ohms

- Audio output

: More than 2.5W at 10% distortion with an 8 ohm load

- Audio output impedance

: 4 ~ 8 ohms

- Usable temperature

: -10°C ~ +60°C

- Dimensions

: 286(303)mm(W) x 110(127)mm(H) x 276(319)mm(D)

Bracketed values include projections.

- Weight

: Approximately 8.0kg (excluding options)

• All stated specifications are subject to change without notice or obligation.