

(4) Antenna length and directivity

Antenna Length		4 Feet (1330 mm)	6 Feet (1960 mm)
Directivity			
Horizontal Beam Width		$1.8^{\circ} \pm 0.2^{\circ}$	$1.2^{\circ} \pm 0.2^{\circ}$
Vertical Beam Width		$22^{\circ} \pm 2^{\circ}$	$22^{\circ} \pm 0.2^{\circ}$
Side Lobes	Less than $\pm 10^{\circ}$	-25 dB	-25 dB
	$\pm 10^{\circ}$ or more	-30 dB	-30 dB

(5) Wave type and frequency:

P0N, 9410  $\pm$  30 MHz

(6) Peak Power Output:

RA713CA: within 10 kW  $\pm$  50%

RA714CA: within 25 kW  $\pm$  50% (when 0.08  $\mu$ S, 15kW  $\pm$  50%)

(7) Pulse width and pulse repetition frequency:

0.08  $\mu$ S ; 2000 Hz

0.3  $\mu$ S ; 1300 Hz

0.6  $\mu$ S ; 800 Hz

1.2  $\mu$ S ; 450 Hz

(8) Duplexer (TR switch):

Circulator and diode limiter

(9) Reception System:

Superheterodyne with low-noise front-end module

(10) IF Frequency:

60 MHz (LOG IF AMP)

(11) IF Bandwidth:

15 MHz (for 0.08/0.3  $\mu$ S transmitting pulse length)

5 MHz (for 0.6/1.2  $\mu$ S transmitting pulse length)

(12) Local oscillation frequency:

Transmitting frequency + 60 MHz

(13) Receiver Tuning:

Indicated by maximum number of lit triangular marks on CRT by microcomputer control

(14) Interconnection Cable:

9CD-3292C (15 m)

Options:

9CD-3292B (20 m)

9CD-3292A (10 m)

9CD-3292 ( ) (100 m max.)

Note: RA713CA and RA714CA are color-display systems. The equivalent monochrome systems are the RA722 and RA723, possibly also known as RA722UA and RA723UA