



Fixed and “mobile” applications

1. See Tables for models specific to the FIXED and MOBILE applications, ALL SYSTEMS ARE POINT TO POINT ONLY.

This device has been designed to operate with the antennas listed below, and having a maximum gain of 32 dB. Antennas not included in this list or having a gain greater than 32 dB are strictly prohibited for use with this device. The required antenna impedance is 50 ohms

**OUTDOOR ALL WEATHER SYSTEMS ALL INSTALLED AS FIXED POINT TO POINT ONLY**

**Rubber Duck Family 5.8 GHz**

SYSTEM MODEL	AMPLIFIER	PEAK POWER	ANTENNA GAIN	SEPARATION DISTANCE
RT-L1R5803	NO	26.59 dBm	3dBi Ducky	20cm (7.9 Inches)
RT-X1R5803	YES	29.04 dBm	3dBi Ducky	20cm (7.9 Inches)

Antennas Tested By TCB

**Panel Antenna Family 5.8 GHz**

SYSTEM MODEL	AMPLIFIER	PEAK POWER	ANTENNA GAIN	SEPARATION DISTANCE
RT-L1R5807	NO	26.59 dBm	7dBi Embedded	20cm (7.9 Inches)
RT-X1R5807	YES	29.04 dBm	7dBi Embedded	20cm (7.9 Inches)
RT-L1R5814	NO	26.59 dBm	14dBi Embedded	30.19 cm (11.9 Inches)
RT-X1R5814	YES	29.04 dBm	14 dBi Embedded	40.03 cm (15.8 Inches)
RT-L1R5821	NO	26.59 dBm	21 dBi External	67.59 cm (26.6 Inches)
RT-X1R5821	YES	29.04 dBm	21dBi Embedded	89.62 cm (35.3 Inches)

Antennas Tested By TCB

**Parabolic Antenna Family 5.8 GHz**

SYSTEM MODEL	AMPLIFIER	PEAK POWER	ANTENNA GAIN	SEPARATION DISTANCE
RT-L1R5829	NO	26.59 dBm	29 dBi	169.79 cm (66.8 Inches)
RT-X1R5829	YES	29.04 dBm	29 dBi	225.11 cm (88.6 Inches)
RT-L1R5832	NO	26.59 dBm	32 dBi	239.83 cm (94.4 Inches)
RT-X1R5832	YES	29.04 dBm	32 dBi	317.98 cm (125.2 Inches)

Antennas Tested By TCB

**Rubber Duck ANTENNA FAMILY 2.4 GHZ**

SYSTEM MODEL	AMPLIFIER	PEAK POWER	ANTENNA GAIN	SEPARATION DISTANCE
RT-L2R2403	NO	26.80 dBm	3dBi Ducky	20cm (7.9 Inches)

**PANEL ANTENNA FAMILY 2.4 GHZ**

SYSTEM MODEL	AMPLIFIER	PEAK POWER	ANTENNA GAIN	SEPARATION DISTANCE
RT-WR2L245	NO	26.80 dBm	15 dBi	34.71 cm (13.7 Inches)

Antennas Tested By TCB

**INDOOR DESKTOP SYSTEMS POINT TO POINT ONLY**

**INDOOR DESKTOP SYSTEMS 5.8 GHz MOBILE APPLICATIONS POINT TO POINT ONLY**

SYSTEM MODEL	RPS	AMPLIFIER	PEAK POWER	ANTENNA GAIN	SEPARATION DISTANCE
XRT-L1R583	YES	NO	26.59 dBm	3dBi Ducky	20cm (7.9 Inches)
XRT-L1R588	YES	NO	26.59 dBm	8 dBi Magnetic panel	20cm (7.9 Inches)
XRT-X1R583	YES	YES	29.04 dBm	3dBi Ducky	20cm (7.9 Inches)

**INDOOR DESKTOP FAMILY 2.4 GHZ MOBILE APPLICATIONS POINT TO POINT ONLY**

SYSTEM MODEL	RPS	AMPLIFIER	PEAK POWER	ANTENNA GAIN	SEPARATION DISTANCE
XRT-L2R243	YES	NO	26.80 dBm	3 dBi Ducky	20cm (7.9 Inches)
XRT-L2R248	YES	NO	26.80 dBm	8 dBi Magnetic panel	20cm (7.9 Inches)

(RPS= Reverse polarity SMA Connector)