



# PCTEST ENGINEERING LABORATORY, INC.

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## RF EXPOSURE REPORT

**Applicant Name:**

Japan Remote Control Co., Ltd.  
2-12, 2 Chome, Eiwa  
Higashi Osaka  
Osaka 577-0809,  
Japan

**Date of Evaluation:**

2/25/2016

**Test Site/Location:**

PCTEST Lab, Columbia, MD, USA

**Document Serial No.:**

0Y1512282277-R2.AXG

**FCC ID:**

AXG-RF2TPA

**APPLICANT:**

JAPAN REMOTE CONTROL CO., LTD

**DUT Type:**

Telemetry Radio Control System

**Application Type:**

Certification


**FCC Rule Part(s):**

CFR §2.1093



**Model(s):**

XG6, XG8, XG14, XG14E, C.O.L.T., MERCURY

Note: This revised Test Report (S/N: 0Y1512282277-R2.AXG) supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

  
Randy Ortanez  
President



FCC ID: AXG-RF2TPA		RF EXPOSURE REPORT		Reviewed by: Quality Manager
Document S/N: 0Y1512282277-R2.AXG	Date of Evaluation: 2/25/2016	DUT Type: Telemetry Radio Control System		Page 1 of 2

## RF EXPOSURE EVALUATION

### SAR Test Exclusion

Per FCC KDB 447498 D01v06, the 1g SAR exclusion threshold for distances  $\leq 50\text{mm}$  is defined by the following equation:



$$\frac{\text{Max Power of Channel (mW)}}{\text{Test Separation Dist (mm)}} * \sqrt{\text{Frequency(GHz)}} \leq 3.0$$

The maximum conducted output power of 2.4 GHz DMSS is 125 mW and the transmission duty factor is 0.19. Based on the duty factor adjusted maximum conducted power of 2.4 GHz DMSS (rounded to the nearest mW) and the antenna to user separation distance, body 2.4 GHz DMSS SAR was not required;  $[(24 / 50) * \sqrt{2.479}] = 0.8 < 3.0$ . Per KDB Publication 447498 D01v06, the maximum power of the channel was rounded to the nearest mW before calculation.

Per FCC KDB 447498 D01v06, the 10g SAR exclusion threshold for distances  $\leq 50\text{mm}$  is defined by the following equation:

$$\frac{\text{Max Power of Channel (mW)}}{\text{Test Separation Dist (mm)}} * \sqrt{\text{Frequency(GHz)}} \leq 7.5$$

The maximum conducted output power of 2.4 GHz DMSS is 125 mW and the transmission duty factor is 0.19. Based on the duty factor adjusted maximum conducted power of 2.4 GHz DMSS (rounded to the nearest mW) and the antenna to user separation distance based on the closest distance measured between the antenna and typical hand positions on the controllers (35 mm), extremity 2.4 GHz DMSS was not required;  $[(24 / 35) * \sqrt{2.479}] = 1.1 < 7.5$ . Per KDB Publication 447498 D01v06, the maximum power of the channel was rounded to the nearest mW before calculation.

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