



PCTEST ENGINEERING LABORATORY, INC.

7185 Oakland Mills Road, Columbia, MD 21046 USA

Tel. +1.410.290.6652 / Fax +1.410.290.6654

<http://www.pctestlab.com>



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



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Reviewed by:

Quality Manager

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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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