Project 12769-10

Traxxas
Vehicle Transceiver

Prepared for:
Traxxas, LLP
1100 Klein Road
Plano, TX 75074

By

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October 24, 2011

MPE / RF Exposure Report
Vehicle Transceiver
FCC ID: XVE-SA10046

Table of Contents

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Applicant: Traxxas, LLP

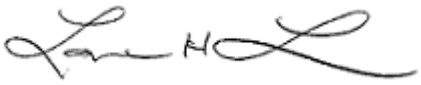
Applicant's Address: 1100 Klein Road
Plano, TX 75074

FCC ID: XVE-SA10046

Project Number: 12769-10

Test Dates: October 24, 2011

I, Layne Lueckemeyer, for Professional Testing (EMI), Inc., being familiar with the FCC rules and test procedures have reviewed the test setup, measured data and this report. I believe them to be true and accurate.



Layne Lueckemeyer
Product Development Engineer

This report has been reviewed and accepted by Traxxas, LLP. The undersigned is responsible for ensuring that this device will continue to comply with the FCC rules.

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Traxxas, LLP Representative

1.0 MPE Prediction

Prediction of MPE limit at a given distance was made by using equation from page 18 of OET Bulletin 65, Edition 97-01.

In order to prove that SAR is not required we used the MPE calculation of the Vehicle Transceiver. The data is contained in the worksheet below.

1.1 Evaluation Procedure

$S=PG/4\pi R^2$

Where: S = power density

P= power input to antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

1.2 Evaluation Criteria

MPE limit for uncontrolled exposure at prediction frequency (mW/cm^2): 1.0

MPE Prediction Calculation

PROJECT #	DATE	RULE	DISTANCE	ANTENNA	RBW	VBW	DETECTOR
12769-10	October 24, 2011	15.247	N/A	N/A	N/A	N/A	N/A

Calculations

$S=PG/4\pi R^2$

Where: S = power density

P= power input to antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

MPE Vehicle Transceiver

Frequency (MHz)	Peak Output Power (dBm)	Peak Output Power (mW)	Prediction Distance (cm)	Max Antenna Gain (dBi)	Max Antenna Gain (numeric)	Power Density at 20.0 cm (mW/cm^2)
2406	3.64	2.312	20	2.0	1.585	.00007294

NOTE: Antenna Gain is estimated worst case scenario.

.00007294 mW/cm^2 < 1.0 mW/cm^2

Result = Pass