RF Exposure Report

Report No.:	SA151119D01
FCC ID:	O5PDPL24G11
Test Model:	DPL24G11
Received Date:	Nov. 19, 2015
Test Date:	Jan. 15, 2016
Issued Date:	Feb. 23, 2016
Applicant:	VIVOTEK INC.
Address:	6F, No.192, Lien-Cheng Rd., Chung-Ho , New Taipei City,235, Taiwan, R.O.C.
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory
Lab Address:	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
Test Location (1):	E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C.
Test Location (2):	No. 49, Ln. 206, Wende Rd., Shangshan Tsuen, Chiung Lin Hsiang, Hsin Chu Hsien 307, Taiwan R.O.C.

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Release Control Record

Issue No.	Description	Date Issued
SA151119D01	Original release.	Feb. 23, 2016

1 Certificate of Conformity

Product:	Low Power Radar Module
Brand:	VIVOTEK
Test Model:	DPL24G11
Sample Status:	ENGINEERING SAMPLE
Applicant:	VIVOTEK INC.
Test Date:	Jan. 15, 2016
Standards:	FCC Part 2 (Section 2.1093) KDB 447498 D01 General RF Exposure Guidance v06 IEEE Std C95.1-2005

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : _____ , **Date:** Feb. 23, 2016

Claire Kuan / Specialist

Approved by : _____ , **Date:** Feb. 23, 2016

May Chen / Manager

2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	…	…	F/1500	30
1500-100,000	…	…	1.0	30

F = Frequency in MHz

2.2 MPE Calculation Formula

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in mW/cm^2

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

3 Antenna Gain

The antennas provided to the EUT, please refer to the following table:

Brand	Model No.	Antenna Type	Gain (dBi)	Antenna Connector
panasonic	MN87900	PCB	4	NA

4 Calculation Result

Frequency Band (MHz)	Field Strength of Fundamental (dBuV/m) @1m	Pout EIRP (dBm)	Pout EIRP (mW)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
24150.31	98.2	-6.57	0.2203	20	0.00039695	1

NOTE: Pout EIRP (dBm) = Field Strength of Fundamental (dBuV/m) @1m - 104.77 (dB)

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