FCC RF EXPOSURE REPORT

FCC ID: VOB-P2570

Project No. : **1404C046**
Equipment : **Wireless Controller**
Model Name : **P2570**
Applicant : **NVIDIA Corporation**
Address : **2701 San Tomas Expressway Santa Clara, CA95050**
Manufacturer : **NVIDIA Corporation**
Address : **2701 San Tomas Expressway Santa Clara, CA95050**

According: : **FCC Guidelines for Human Exposure IEEE C92.76**

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density
P = power input to the 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

Ant.	Manufacturer	Model Name	Antenna Type	Connector	Gain (dBi)	Ant.
1	Yageo Corp.	ANT5320LL24R2455A	Chip	N/A	2.17	1
2	Yageo Corp.	ANT5320LL24R2455A	Chip	N/A	2.17	2

Note: The EUT incorporates a SISO function and only one antenna used per time

Operating Mode / TX Mode	1TX	2TX
802.11b	V (ANT 1 or ANT 2)	-
802.11g	V (ANT 1 or ANT 2)	-

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TEST RESULTS

EUT:	Wireless Controller	Model Name :	P2570
Temperature:	25 ℃	Relative Humidity:	55 %
Pressure:	DC3.7V		
Test Mode :	TX B Mode		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
2.17	1.6482	3.7	2.3442	0.00076904	1	Complies
2.17	1.6482	3.92	2.4660	0.00080900	1	Complies
2.17	1.6482	4.43	2.7733	0.00090981	1	Complies

EUT:	Wireless Controller	Model Name :	P2570
Temperature:	25 ℃	Relative Humidity:	55 %
Pressure:	DC3.7V		
Test Mode :	TX G Mode		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
2.17	1.6482	12.61	18.2390	0.00598343	1	Complies
2.17	1.6482	12.67	18.4927	0.00606667	1	Complies
2.17	1.6482	12.89	19.4536	0.00638191	1	Complies

Note: The calculated distance is 20cm