



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: XCNDVW222B

Project No. : 1107C174
Equipment : Cable Modem BCM3379 WeMTA
Model : DVW222B
Applicant : Ubee Interactive Corp.
Address : 6F-9, No.38, Taiyuan St. Jhubei

According: : FCC Guidelines for Human Exposure IEEE C95.1

Neutron Engineering Inc.

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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.	Brand name	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	FX01Z34-0 G-EF	Dipole Antenna	U.FL	2.0

TEST RESULTS

EUT:	Cable Modem BCM3379 WeMTA	Model Name :	DVW222B
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX B MODE CH01/CH06/CH11		

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
2.0	1.5849	17.17	52.1195	0.01644184	1	Complies
2.0	1.5849	17.22	52.7230	0.01663223	1	Complies
2.0	1.5849	17.38	54.7016	0.01725641	1	Complies



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Test Mode :	TX G MODE CH01/CH06/CH11		

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
2.0	1.5849	15.12	32.5087	0.01025535	1	Complies
2.0	1.5849	14.92	31.0456	0.00979378	1	Complies
2.0	1.5849	15.25	33.4965	0.01056697	1	Complies

EUT:	Cable Modem BCM3379 WeMTA	Model Name :	DVW222B
Temperature:	25 °C	Relative Humidity:	60 %
Pressure:	1012 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20MHz MODE CH01/CH06/CH11		

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
2.0	1.5849	14.74	29.7852	0.00939616	1	Complies
2.0	1.5849	14.82	30.3389	0.00957085	1	Complies
2.0	1.5849	15.00	31.6228	0.00997586	1	Complies