



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: XCNDVW2110

Project No. : 1108C255
Equipment : Cable Modem BCM3379 WeMTA
Model : DVW2110
Applicant : Ubee Interactive Corp.
Address : 6F-9, No.38, Taiyuan St. Jhubei Hsinchu Taiwan
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 ANT	R-SMA	2.0

TEST RESULTS

EUT:	Cable Modem BCM3379 WeMTA	Model Name :	DVW2110
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 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	0.016442	1	Complies
2.0	1.5849	17.22	52.7230	0.016632	1	Complies
2.0	1.5849	17.38	54.7016	0.017256	1	Complies



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EUT:	Cable Modem BCM3379 WeMTA	Model Name :	DVW2110
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
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	0.010255	1	Complies
2.0	1.5849	14.92	31.0456	0.009794	1	Complies
2.0	1.5849	15.25	33.4965	0.010567	1	Complies

EUT:	Cable Modem BCM3379 WeMTA	Model Name :	DVW2110
Temperature:	24 °C	Relative Humidity:	60 %
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N MODE-20MHz /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	0.009396	1	Complies
2.0	1.5849	14.82	30.3389	0.009571	1	Complies
2.0	1.5849	15.00	31.6228	0.009976	1	Complies

Note:

All test result is complies.