

FCC RF EXPOSURE REPORT

FCC ID: E2K-APL260B3

Project No. : 1410101
Equipment : Access Point
Model : APL26-0B3
Applicant : Dell Inc.
Address : One Dell Way Round Rock, Texas 78682
United States

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

BTL Inc.

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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

Table for Filed Antenna

Ant.	Brand	Part NO.	Antenna Type	Connector	Gain(dBi)	Note
1		C147-510906B	Dipole	R-SMA	3.76	TX/RX
2		C147-510906B	Dipole	R-SMA	3.76	TX/RX
3		C147-510906B	Dipole	R-SMA	3.76	TX/RX

TEST RESULTS

EUT :	Access Point	Model Name :	APL26-0B3
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX B MODE_ Total /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
3.76	2.3768	23.04	201.3724	0.09526873	1	Complies
3.76	2.3768	22.7	186.2087	0.08809482	1	Complies
3.76	2.3768	22.34	171.3957	0.08108684	1	Complies

EUT :	Access Point	Model Name :	APL26-0B3
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX G MODE_ Total /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
3.76	2.3768	29.72	937.5620	0.44355795	1	Complies
3.76	2.3768	29.9	977.2372	0.46232818	1	Complies
3.76	2.3768	29.62	916.2205	0.43346134	1	Complies

EUT :	Access Point	Model Name :	APL26-0B3
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N20 MODE_ Total /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
3.76	2.3768	29.78	950.6048	0.44972846	1	Complies
3.76	2.3768	29.32	855.0667	0.40452966	1	Complies
3.76	2.3768	29.85	966.0509	0.45703596	1	Complies

EUT :	Access Point	Model Name :	APL26-0B3
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N40 MODE_ Total /CH03, CH06, CH09		

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
3.76	2.3768	29.44	879.0225	0.41586308	1	Complies
3.76	2.3768	29.51	893.3055	0.42262031	1	Complies
3.76	2.3768	29.46	883.0799	0.41778262	1	Complies

Note: the calculated distance is 20 cm.