

# **FCC RF EXPOSURE REPORT**

**FCC ID: E2K-APL260AE**

**Project No. : 1410025**  
**Equipment : Access Point**  
**Model : APL26-0AE**  
**Applicant : Dell Inc.**  
**Address : One Dell Way Round Rock, Texas 78682**  
**United States**

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

**BTL Inc.**

**B1, No. 37, Lane 365, YangGuang St., NeiHu District 114, Taipei, Taiwan**  
**TEL : (0769) 8318-3000 FAX : (0769) 8319-6000**

## 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 :	APL26-0AE
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.76	2.3768	22.84	192.3092	0.09098093	1	Complies
3.76	2.3768	22.83	191.8669	0.09077168	1	Complies
3.76	2.3768	23.12	205.1162	0.09703991	1	Complies

EUT :	Access Point	Model Name :	APL26-0AE
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.76	2.3768	29.51	893.3055	0.42262031	1	Complies
3.76	2.3768	29.32	855.0667	0.40452966	1	Complies
3.76	2.3768	29.75	944.0609	0.44663255	1	Complies

EUT :	Access Point	Model Name :	APL26-0AE
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.76	2.3768	29.33	857.0378	0.40546220	1	Complies
3.76	2.3768	29.59	909.9133	0.43047741	1	Complies
3.76	2.3768	29.41	872.9714	0.41300030	1	Complies

EUT :	Access Point	Model Name :	APL26-0AE
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 <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
3.76	2.3768	29.98	995.4054	0.47092351	1	Complies
3.76	2.3768	29.58	907.8205	0.42948734	1	Complies
3.76	2.3768	29.9	977.2372	0.46232818	1	Complies

Note: the calculated distance is 20 cm.