FCC RF EXPOSURE REPORT

FCC ID: E2K-APL260AE

Project No. : **1410025A**
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.

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, China.
TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

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

Table for Filed Antenna

Ant.	Brand	Part NO.	Antenna Type	Connector	Gain (dBi)	Note
4	M.gear	C147-510905B	Dipole	Reversed TNC	5.89	TX/RX
5	M.gear	C147-510905B	Dipole	Reversed TNC	5.89	TX/RX
6	M.gear	C147-510905B	Dipole	Reversed TNC	5.89	TX/RX

TEST RESULTS

EUT：	Access Point	Model Name :	APL26-0AE
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	UNII-2A/TX A Mode_Total		

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
5.89	3.8815	19.17	82.6038	0.06381906	1	Complies
5.89	3.8815	19.33	85.7038	0.06621408	1	Complies
5.89	3.8815	17.79	60.1174	0.04644622	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	UNII-2A/TX N20 Mode_Total		

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
5.89	3.8815	19.94	98.6279	0.07619919	1	Complies
5.89	3.8815	20.09	102.0939	0.07887700	1	Complies
5.89	3.8815	19.63	91.8333	0.07094967	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature:	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-2A/TX N40 Mode_Total		

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
5.89	3.8815	20.21	104.9542	0.08108684	1	Complies
5.89	3.8815	16.8	47.8630	0.03697859	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	UNII-2C/TX A Mode_Total		

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
5.89	3.8815	18.66	73.4514	0.05674798	1	Complies
5.89	3.8815	15.79	37.9315	0.02930558	1	Complies
5.89	3.8815	17.86	61.0942	0.04720091	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	UNII-2C/TX N20 Mode_Total		

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
5.89	3.8815	19.45	88.1049	0.06806916	1	Complies
5.89	3.8815	16.68	46.5586	0.03597082	1	Complies
5.89	3.8815	18.81	76.0326	0.05874222	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature:	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-2C/TX N40 Mode_Total		

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
5.89	3.8815	18.05	63.8263	0.04931174	1	Complies
5.89	3.8815	14.66	29.2415	0.02259178	1	Complies
5.89	3.8815	16.34	43.0527	0.03326215	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	UNII-2A/TX AC20 Mode_Total		

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
5.89	3.8815	17.88	61.3762	0.04741878	1	Complies
5.89	3.8815	18.01	63.2412	0.04885965	1	Complies
5.89	3.8815	18.04	63.6796	0.04919833	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	UNII-2A/TX AC40 Mode_Total		

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
5.89	3.8815	18.79	75.6833	0.05847233	1	Complies
5.89	3.8815	17.26	53.2108	0.04111027	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	UNII-2A/TX AC80 Mode_Total		

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
5.89	3.8815	21.39	137.7209	0.10640214	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature:	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-2C/TX AC20 Mode_Total		

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
5.89	3.8815	15.95	39.3550	0.03040538	1	Complies
5.89	3.8815	14.97	31.4051	0.02426333	1	Complies
5.89	3.8815	15.31	33.9625	0.02623919	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	UNII-2C/TX AC40 Mode_Total		

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
5.89	3.8815	19.01	79.6159	0.06151066	1	Complies
5.89	3.8815	18.18	65.7658	0.05081014	1	Complies
5.89	3.8815	19.08	80.9096	0.06251013	1	Complies

EUT：	Access Point	Model Name :	APL26-0AE
Temperature：	25 ℃	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode ：	UNII-2C/TX AC80 Mode_Total		

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
5.89	3.8815	18.59	72.2770	0.05584064	1	Complies
5.89	3.8815	22.03	159.5879	0.12329639	1	Complies

Note: the calculated distance is 20 cm.