

FCC RF EXPOSURE REPORT

FCC ID:2AB9W-3F11X

Project No. : 1411074
Equipment : 3D Printer
Model : da Vince 1.1 Plus
Applicant : XYZprinting, Inc.
Address : 10F., No.99, Sec. 5, Nanjing E. Rd., Songshan
Dist., Taipei City 10571, Taiwan(R.O.C.)

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

B T L I N C .

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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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)	Note
1	WIESON	GY136TH0131C-001	Internal	N/A	2.73	TX/RX

TEST RESULTS

EUT :	3D Printer	Model Name :	da Vince 1.1 Plus
Temperature :	25 °C	Relative Humidity:	55 %
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
2.73	1.8750	13.52	22.4905	0.00839364	1	Complies
2.73	1.8750	13.48	22.2844	0.00831669	1	Complies
2.73	1.8750	13.23	21.0378	0.00785146	1	Complies

EUT :	3D Printer	Model Name :	da Vince 1.1 Plus
Temperature :	25 °C	Relative Humidity:	55 %
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
2.73	1.8750	18.63	72.9458	0.02722390	1	Complies
2.73	1.8750	18.57	71.9449	0.02685038	1	Complies
2.73	1.8750	18.54	71.4496	0.02666554	1	Complies

EUT :	3D Printer	Model Name :	da Vince 1.1 Plus
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M 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
2.73	1.8750	17.75	59.5662	0.02223056	1	Complies
2.73	1.8750	17.77	59.8412	0.02233317	1	Complies
2.73	1.8750	17.63	57.9429	0.02162471	1	Complies

Note: the calculated distance is 20 cm.