FCC RF EXPOSURE REPORT FCC ID: ZVA03

Project No. : 1311C046

Equipment : WIFI Module Model : WF78RL1500C

Applicant : TCL TECHNOLY ELECTRONICS (HUIZHOU)

CO., LTD

Address : Section 37, Zhongkai High-tech Development

Zone, Huizhou City, Guang Dong Province, China,

516006.

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

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	N/A	Printed	N/A	-1.65

TEST RESULTS

EUT:	WIFI Module	Model Name :	WF78RL1500C
Temperature:	24 ℃	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/cm²)	Limit of Power Density (S) (mW/cm²)	Test Result
-1.65	0.6839	21.05	127.3503	0.01733606	1	Complies
-1.65	0.6839	20.90	123.0269	0.01674751	1	Complies
-1.65	0.6839	20.70	117.4898	0.01599375	1	Complies

EUT:	WIFI Module	Model Name :	WF78RL1500C
Temperature:	24 ℃	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/cm²)	Limit of Power Density (S) (mW/cm²)	Test Result
-1.65	0.6839	24.32	270.3958	0.03680869	1	Complies
-1.65	0.6839	24.40	275.4229	0.03749302	1	Complies
-1.65	0.6839	24.28	267.9168	0.03647123	1	Complies

EUT:	WIFI Module	Model Name :	WF78RL1500C
Temperature:	24 ℃	Relative Humidity:	60 ℃
Pressure:	1016 hPa	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/cm²)	Limit of Power Density (S) (mW/cm²)	Test Result
-1.65	0.6839	23.49	223.3572	0.03040538	1	Complies
-1.65	0.6839	23.41	219.2805	0.02985041	1	Complies
-1.65	0.6839	23.32	214.7830	0.02923818	1	Complies



EUT:	WIFI Module	Model Name :	WF78RL1500C
Temperature:	24 ℃	Relative Humidity:	60 ℃
Pressure:	1016 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N-40M MODE /CH03, CH06, CH09		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm²)	Limit of Power Density (S) (mW/cm²)	Test Result
-1.65	0.6839	23.46	221.8196	0.03019607	1	Complies
-1.65	0.6839	23.38	217.7710	0.02964493	1	Complies
-1.65	0.6839	23.30	213.7962	0.02910385	1	Complies

Note: the calculation distance is 20cm.