



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: Q78-ZXCLDCT620

Project No. : 1311C049
Equipment : Cloud Terminal(microcomputer)
Model : ZXCLOUD iBOX CT620;
: ZXCLOUD iBOX CT320
Applicant : ZTE Corporation
Address : ZTE Plaza, Hi-Tech Park, Nanshan District,
: Shenzhen, Guangdong, P.R. China

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

Neutron Engineering 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	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	Hispeed	Q-B1-0294	Dipole	N/A	4.54	TX/RX



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TEST RESULTS

EUT:	Cloud Terminal (microcomputer)	Model Name :	ZXCLOUD iBOX CT620
Temperature:	24 °C	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/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.54	2.8445	19.04	80.1678	0.04538897	1	Complies
4.54	2.8445	20.04	100.9253	0.05714133	1	Complies
4.54	2.8445	19.23	83.7529	0.04741878	1	Complies

EUT:	Cloud Terminal (microcomputer)	Model Name :	ZXCLOUD iBOX CT620
Temperature:	24 °C	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/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.54	2.8445	22.5	177.8279	0.10068166	1	Complies
4.54	2.8445	22.25	167.8804	0.09504962	1	Complies
4.54	2.8445	22.36	172.1869	0.09748782	1	Complies



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EUT:	Cloud Terminal (microcomputer)	Model Name :	ZXCLOUD iBOX CT620
Temperature:	24 °C	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/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.54	2.8445	23.18	207.9697	0.11774714	1	Complies
4.54	2.8445	23.24	210.8628	0.11938517	1	Complies
4.54	2.8445	23.79	239.3316	0.13550346	1	Complies

EUT:	Cloud Terminal (microcomputer)	Model Name :	ZXCLOUD iBOX CT620
Temperature:	24 °C	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/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
4.54	2.8445	23.59	228.5599	0.12940480	1	Complies
4.54	2.8445	23.62	230.1442	0.13030179	1	Complies
4.54	2.8445	23.47	222.3310	0.12587816	1	Complies

Note: the calculation distance is 20cm.