

FCC RF EXPOSURE REPORT

FCC ID: Q78-ZXV10B760H

Project No. : 1501C044
Equipment : RichMedia Box
Model : ZXV10 B760H; ZXV10 B760E
Applicant : ZTE Corporation
**Address : ZTE Plaza,Hi-Teck Park,Nanshan District,
Shenzhen,Guangdong,P.R.China**

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

B T L I N C .

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:

$$S = \frac{PG}{4\pi^2} = \frac{EIRP}{4\pi^2}$$

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	Maglavers	MSA-3810-25GC1-A8-EV	Internal	N/A	3.00	TX/RX

TEST RESULTS

2.4G

EUT :	RichMedia Box	Model Name :	ZXV10 B760H
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
3.00	1.9953	16.57	45.3942	0.01802812	1	Complies
3.00	1.9953	16.52	44.8745	0.01782175	1	Complies
3.00	1.9953	16.53	44.9780	0.01786283	1	Complies

EUT :	RichMedia Box	Model Name :	ZXV10 B760H
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
3.00	1.9953	16.74	47.2063	0.01874780	1	Complies
3.00	1.9953	16.68	46.5586	0.01849057	1	Complies
3.00	1.9953	16.79	47.7529	0.01896489	1	Complies

EUT :	RichMedia Box	Model Name :	ZXV10 B760H
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
3.00	1.9953	16.70	46.7735	0.01857592	1	Complies
3.00	1.9953	16.72	46.9894	0.01866166	1	Complies
3.00	1.9953	16.80	47.8630	0.01900861	1	Complies

EUT :	RichMedia Box	Model Name :	ZXV10 B760H
Temperature:	25 °C	Relative Humidity:	55 %
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
3.00	1.9953	16.72	46.9894	0.01866166	1	Complies
3.00	1.9953	16.57	45.3942	0.01802812	1	Complies
3.00	1.9953	16.70	46.7735	0.01857592	1	Complies

5G Band 1

EUT :	RichMedia Box	Model Name :	ZXV10 B760H
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX A MODE /CH36, CH40, CH48		

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
3.00	1.9953	9.31	8.5310	0.00338805	1	Complies
3.00	1.9953	9.29	8.4918	0.00337249	1	Complies
3.00	1.9953	8.98	7.9068	0.00314015	1	Complies

EUT :	RichMedia Box	Model Name :	ZXV10 B760H
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE /CH36, CH40, CH48		

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
3.00	1.9953	9.14	8.2035	0.00325799	1	Complies
3.00	1.9953	9.13	8.1846	0.00325050	1	Complies
3.00	1.9953	9.05	8.0353	0.00319117	1	Complies

EUT :	RichMedia Box	Model Name :	ZXV10 B760H
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M MODE /CH38, CH46		

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
3	1.9953	9.43	8.7700	0.00348298	1	Complies
3	1.9953	9.31	8.5310	0.00338805	1	Complies

5G Band 4

EUT :	RichMedia Box	Model Name :	ZXV10 B760H
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX A MODE /CH149, CH157, CH165		

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
3.00	1.9953	9.49	8.8920	0.00353143	1	Complies
3.00	1.9953	9.19	8.2985	0.00329572	1	Complies
3.00	1.9953	9.69	9.3111	0.00369786	1	Complies

EUT :	RichMedia Box	Model Name :	ZXV10 B760H
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-20M MODE / CH149, CH157, CH165		

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
3.00	1.9953	9.49	8.8920	0.00353143	1	Complies
3.00	1.9953	9.11	8.1470	0.00323557	1	Complies
3.00	1.9953	9.60	9.1201	0.00362202	1	Complies

EUT :	RichMedia Box	Model Name :	ZXV10 B760H
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX N-40M MODE /CH38, CH46		

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
3.00	1.9953	9.48	8.8716	0.00352331	1	Complies
3.00	1.9953	9.50	8.9125	0.00353957	1	Complies

Note: the calculated distance is 20 cm.