



Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: Q78-ZXV10B760E

Project No. : 1404C148
Equipment : RichMedia Box
Model : ZXV10 B760E
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



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	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	PW-MN427 34I 3.0	Internal	N/A	3



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TEST RESULTS

EUT :	RichMedia Box	Model Name :	ZXV10 B760E
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	1.9953	15.14	32.6588	0.01297031	1	Complies
3	1.9953	15.16	32.8095	0.01303018	1	Complies
3	1.9953	15.02	31.7687	0.01261683	1	Complies

EUT :	RichMedia Box	Model Name :	ZXV10 B760E
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	1.9953	21.48	140.6048	0.05584064	1	Complies
3	1.9953	21.47	140.2814	0.05571221	1	Complies
3	1.9953	20.97	125.0259	0.04965356	1	Complies



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EUT :	RichMedia Box	Model Name :	ZXV10 B760E
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	1.9953	19.33	85.7038	0.03403693	1	Complies
3	1.9953	19.36	86.2979	0.03427286	1	Complies
3	1.9953	19.19	82.9851	0.03295720	1	Complies

EUT :	RichMedia Box	Model Name :	ZXV10 B760E
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	1.9953	19.98	99.5405	0.03953214	1	Complies
3	1.9953	20.13	103.0386	0.04092139	1	Complies
3	1.9953	20.16	103.7528	0.04120504	1	Complies

Note: the calculation distance is 20cm.