

# **FCC RF EXPOSURE REPORT**

**FCC ID: I46INF6501C**

**Project No. : 1412C151**  
**Equipment : TouchScreen Displays**  
**Model : INF6501c**  
**Applicant : InFocus Corporation**  
**Address : 13190 SW 68th Parkway Suite 200 Portland,**  
**OR 97223-8368**

**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:

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

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	 <b>FOXCONN</b>	ANTS71L-DJ65 1-DH	Internal	N/A	-2.92	TX/RX

# TEST RESULTS

EUT :	TouchScreen Displays	Model Name :	InFocus
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-1/TX A Mode		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
-2.35	0.5821	12.97	19.8153	0.00229589	1	Complies
-2.35	0.5821	13.03	20.0909	0.00232783	1	Complies
-2.35	0.5821	13.01	19.9986	0.00231713	1	Complies

EUT :	TouchScreen Displays	Model Name :	InFocus
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-1/TX N20 Mode		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
-2.35	0.5821	10.75	11.8850	0.00137705	1	Complies
-2.35	0.5821	11.01	12.6183	0.00146201	1	Complies
-2.35	0.5821	10.86	12.1899	0.00141238	1	Complies

EUT :	TouchScreen Displays	Model Name :	InFocus
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-2A/TX A Mode		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
-2.35	0.5821	13.03	20.0909	0.00232783	1	Complies
-2.35	0.5821	13.05	20.1837	0.00233857	1	Complies
-2.35	0.5821	12.97	19.8153	0.00229589	1	Complies

EUT :	TouchScreen Displays	Model Name :	InFocus
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-2A/TX N20 Mode		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
-2.35	0.5821	10.79	11.9950	0.00138979	1	Complies
-2.35	0.5821	10.92	12.3595	0.00143202	1	Complies
-2.35	0.5821	10.72	11.8032	0.00136757	1	Complies

EUT :	TouchScreen Displays	Model Name :	InFocus
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-2C/TX A Mode		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
-2.35	0.5821	13.06	20.2302	0.00234396	1	Complies
-2.35	0.5821	12.81	19.0985	0.00221284	1	Complies
-2.35	0.5821	12.27	16.8655	0.00195412	1	Complies

EUT :	TouchScreen Displays	Model Name :	InFocus
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-2C/TX N20 Mode		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
-2.35	0.5821	11.01	12.6183	0.00146201	1	Complies
-2.35	0.5821	10.76	11.9124	0.00138023	1	Complies
-2.35	0.5821	10.59	11.4551	0.00132724	1	Complies

EUT :	TouchScreen Displays	Model Name :	InFocus
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-3/ TX A Mode		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
-2.35	0.5821	13.06	20.2302	0.00234396	1	Complies
-2.35	0.5821	13.04	20.1372	0.00233319	1	Complies
-2.35	0.5821	13.05	20.1837	0.00233857	1	Complies

EUT :	TouchScreen Displays	Model Name :	InFocus
Temperature:	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	UNII-3/TX N20 Mode		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm <sup>2</sup> )	Limit of Power Density (S) (mW/cm <sup>2</sup> )	Test Result
-2.35	0.5821	11.01	12.6183	0.00146201	1	Complies
-2.35	0.5821	11.06	12.7644	0.00147894	1	Complies
-2.35	0.5821	11.07	12.7938	0.00148235	1	Complies

Note: the calculated distance is 20 cm.