

# FCC RF EXPOSURE REPORT

**FCC ID: P27DBC831**

**Project No. : 1611139**  
**Equipment : Wireless HD Doorbell Camera, Doorbell HD Wi-Fi Camera**  
**Test Model : DBC831**  
**Serial Model : DBC831xxxxxxxx, VistaCam 1200xxxxx (the 1st x should be "blank" or "-"; the rest x could be 0 to 9, A to Z, "blank" or "-", for marking purpose)**  
**Applicant : Sercomm Corporation**  
**Address : 8F, No. 3-1, YuanQu St., NanKang, Taipei, Taiwan 115**  
**According: : FCC Guidelines for Human Exposure IEEE C95.1**

**Technical Manager**

:



(Herbert Liu)

**B T L I N C .**

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## 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

Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	SERCOM	DBC831	FPC	IPEX	0.31

## CACULATION:

Test Mode : TX B Mode Total / CH01, CH06, CH11

Frequency (MHz)	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
2412	0.31	1.0740	19.31	85.3100	0.01823687	1	Complies
2437	0.31	1.0740	20.31	107.3989	0.02295886	1	Complies
2462	0.31	1.0740	20.17	103.9920	0.02223056	1	Complies

Test Mode : TX G Mode Total / CH01, CH06, CH11

Frequency (MHz)	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
2412	0.31	1.0740	25.75	375.8374	0.08034343	1	Complies
2437	0.31	1.0740	26.42	438.5307	0.09374549	1	Complies
2462	0.31	1.0740	24.34	271.6439	0.05806981	1	Complies

Test Mode : TX N-20M Mode Total / CH01, CH06, CH11

Frequency (MHz)	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
2412	0.31	1.0740	25.9	389.0451	0.08316687	1	Complies
2437	0.31	1.0740	26.2	416.8694	0.08911491	1	Complies
2462	0.31	1.0740	24.02	252.3481	0.05394490	1	Complies