

# **FCC RF EXPOSURE REPORT**

**FCC ID: LDK78321416**

**Project No. : 1611C076**  
**Equipment : IP PHONE**  
**Model : CP-7832**  
**Applicant : Cisco Systems Inc**  
**Address : 125 West Tasman Drive San Jose California**  
**United States**

**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)
1	N/A	N/A	PIFA	N/A	1.85

## TEST RESULTS

BT

EUT :	IP PHONE	Model Name :	CP-7832
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX MODE_1Mbps /CH00, CH39, CH78		

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
1.85	1.5311	5.17	3.2885	0.00100	1	Complies
1.85	1.5311	5.56	3.5975	0.00110	1	Complies
1.85	1.5311	5.67	3.6898	0.00112	1	Complies

EUT :	IP PHONE	Model Name :	CP-7832
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX MODE_3Mbps /CH00, CH39, CH78		

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
1.85	1.5311	6.34	4.3053	0.00131	1	Complies
1.85	1.5311	6.74	4.7206	0.00144	1	Complies
1.85	1.5311	6.73	4.7098	0.00144	1	Complies

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EUT :	IP PHONE	Model Name :	CP-7832
Temperature :	25 °C	Relative Humidity:	55 %
Test Voltage :	AC 120V/60Hz		
Test Mode :	TX MODE_1Mbps /CH00, CH19, CH39		

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
1.85	1.5311	6.96	4.9659	0.00151	1	Complies
1.85	1.5311	7.38	5.4702	0.00167	1	Complies
1.85	1.5311	7.40	5.4954	0.00167	1	Complies

Note: the calculated distance is 20 cm.