

**Statement of compliance to  
Maximum Permissible Exposure (MPE)  
No. 170603051SHA-003**

Applicant : Alcatel-Lucent Shanghai Bell Co., Ltd.  
388-389#, Ningqiao Road, Pudong Jinqiao, Shanghai, China

Manufacturing site : Alcatel-Lucent Shanghai Bell Co., Ltd.  
388-389#, Ningqiao Road, Pudong Jinqiao, Shanghai, China

Product Name : Digital Home CPE

Type/Model : A-240Z-A

EMA Code : 3FE 46615 AAAA

**According to § 2.1091, § 2.1093 and § 1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.**

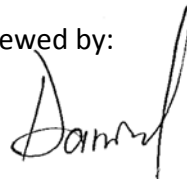
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Reviewed by:



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Power density (S) is calculated according to the formula:

$$S = PG / (4 \pi R^2)$$

Where S = power density in mW/cm<sup>2</sup>

P = transmit power in mW

G = numeric gain of transmit antenna (numeric gain=Log-1(dB antenna gain/10))

R = distance (cm)

The calculations in the table below use the highest gain of antenna for client EUT. These calculations represent worst case in terms of the exposure levels.

Frequency band (MHz)	Power		Antenna Gain		R (cm)	S (mW/cm <sup>2</sup> )	Limits (mW/cm <sup>2</sup> )
	dBm	mW	dBi	(Numeric)			
5250 - 5350	23.85	242.66	3.0	2.0	20	0.097	1
5470 - 5725	23.63	230.67	3.0	2.0	20	0.092	1

Frequency band (MHz)	Max Permit Power with tolerance		Antenna Gain		R (cm)	S (mW/cm <sup>2</sup> )	Limits (mW/cm <sup>2</sup> )
	dBm	mW	dBi	(Numeric)			
5180 - 5240	24.00	250	3.0	2.0	20	0.100	1
5745 - 5825	24.00	250	3.0	2.0	20	0.100	1

Note: 1 mW/cm<sup>2</sup> from 1.310 Table 1

## **Appendix I**

### **Definition below must be outlined in the User Manual:**

To satisfy FCC RF exposure requirements, a separation distance of **20** cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.