

FCC RF EXPOSURE REPORT

FCC ID: ACJ-SU-C500

Project No. : 1508C256A
Equipment : CD STEREO SYSTEM
Model : SU-C500
Applicant : Panasonic Corporation of North America
Address : Two Riverfront Plaza,9th Floor Newark New Jersey
United States 07102-5490

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 | Printed | N/A | -6.37 |

TEST RESULTS

| | | | |
|----------------|------------------|--------------------|---------|
| EUT : | CD STEREO SYSTEM | Model Name : | SU-C500 |
| Temperature : | 25 °C | Relative Humidity: | 55 % |
| Test Voltage : | AC 120V/60Hz | | |
| Test Mode : | TX MODE_1Mbps | | |

| 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 |
|--------------------|------------------------|-------------------------|------------------------|---|--|-------------|
| -6.37 | 0.2307 | 2.17 | 1.6482 | 0.00007567 | 1 | Complies |
| -6.37 | 0.2307 | 2.10 | 1.6218 | 0.00007446 | 1 | Complies |
| -6.37 | 0.2307 | 2.15 | 1.6406 | 0.00007533 | 1 | Complies |

| | | | |
|----------------|------------------|--------------------|---------|
| EUT : | CD STEREO SYSTEM | Model Name : | SU-C500 |
| Temperature : | 25 °C | Relative Humidity: | 55 % |
| Test Voltage : | AC 120V/60Hz | | |
| Test Mode : | TX MODE_3Mbps | | |

| 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 |
|--------------------|------------------------|-------------------------|------------------------|---|--|-------------|
| -6.37 | 0.2307 | 3.41 | 2.1928 | 0.00010068 | 1 | Complies |
| -6.37 | 0.2307 | 3.38 | 2.1777 | 0.00009999 | 1 | Complies |
| -6.37 | 0.2307 | 3.44 | 2.2080 | 0.00010138 | 1 | Complies |

Note: the calculated distance is 20 cm.