

EXHIBIT C - RF EXPOSURE EVALUATION

Applicable Standard

According to subpart §1.1310, 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.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

| (B) Limits for General Population/Uncontrolled Exposure | | | | |
|---|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| Frequency Range (MHz) | Electric Field Strength (V/m) | Magnetic Field Strength (A/m) | Power Density (mW/cm ²) | Averaging Time (minutes) |
| 0.3–1.34 | 614 | 1.63 | *(100) | 30 |
| 1.34–30 | 824/f | 2.19/f | *(180/f ²) | 30 |
| 30–300 | 27.5 | 0.073 | 0.2 | 30 |
| 300–1500 | / | / | f/1500 | 30 |
| 1500–100,000 | / | / | 1.0 | 30 |

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculation formula:

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

For simultaneously transmit system, the calculated power density should comply with:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

Calculated Data:

| Operation Modes | Frequency (MHz) | Antenna Gain | | Conducted output power including Tune-up Tolerance▲ | | Evaluation Distance (cm) | Power Density (mW/cm ²) | MPE Limit (mW/cm ²) |
|-----------------|-----------------|--------------|-----------|---|-------|--------------------------|-------------------------------------|---------------------------------|
| | | (dBi) | (numeric) | (dBm) | (mW) | | | |
| BLE | 2402-2480 | 1.8 | 1.51 | 1 | 1.26 | 20.00 | 0.0004 | 1.0 |
| NFC | 13.56 | 0 | 1.0 | -29.02 | 0.001 | 20.00 | <<0.001 | 0.98 |

Note:

1. The Conducted output power including Tune-up Tolerance provided by manufacturer

2. EIRP(dBm)=E(dBuV/m)-95.2 for 3 meters distance

NFC E Field =66.18dBuV/m@3m

==> EIRP= -29.02dBm

Simultaneous transmission:

BLE and NFC can transmit simultaneously:

$$\sum_i \frac{S_i}{S_{Limit,i}} \leq 1$$

$$S_{BLE}/S_{limit-BLE} + S_{NFC}/S_{limit-NFC}$$

$$=0.0004/1.0+0.001/0.98$$

$$<<0.01$$

Result: Compliant. The device compliant RF Exposure at 20cm distances.******* END OF REPORT *******