

## Maximum Permissive Exposure

### 1. Description of EUT

|              |                       |
|--------------|-----------------------|
| Product Name | WPC Module            |
| Brand        | ECS                   |
| Test Model   | WCPTI-S               |
| Date of Test | 2017. 04. 25 ~ 05. 16 |

### 2. Radiated Emission Measurement

| Item | Type                  | Manufacturer | Model No. | Serial No. | Cal. Date    | Cal. Due |
|------|-----------------------|--------------|-----------|------------|--------------|----------|
| 1.   | Broadband Field Meter | NARDA        | NBM-550   | B-0959     | 2017. 01. 12 | 2 Years  |
| 2.   | Magnetic Field Meter  | NARDA        | MFM-10    | 535        | 2016. 03. 15 | 2 Years  |
| 3.   | E-Field Probe         | NARDA        | EF0391    | A-1034     | 2017. 01. 05 | 2 Years  |
| 4.   | Magnetic Probe        | NARDA        | HF-3061   | A-1023     | 2017. 01. 04 | 2 Years  |

### 3. Tested Supporting System List

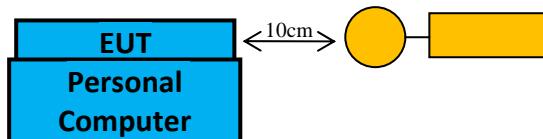
#### 1.3.1. Support Peripheral Unit

| No. | Product                          | Brand     | Model No. | Serial No.   | Approval              |
|-----|----------------------------------|-----------|-----------|--------------|-----------------------|
| 1.  | Mobile Phone                     | SAMSUNG   | GT-I9300  | RF1C86ATMSV1 | FCC ID: A3LGTI9300A   |
| 2.  | Wireless Charger Receiver Module | Universal | N/A       | N/A          | N/A                   |
| 3.  | Personal Computer                | ECS       | SKM-U mPC | N/A          | FCC ID: WL6SKM-U-MPCH |

#### 1.3.2. Cable Lists

| No. | Cable Description Of The Above Support Units  |
|-----|---|
| 1.  | N/A   |
| 2.  | Cable: Unshielded, undetachable, 0.1m   |
| 3.  | AC Adapter: FSP, FSP065-10AABA<br>DC Power Cord: Unshielded, Detachable, 1.8m, Bonded a ferrite core<br>AC Power Cord: Unshielded, Detachable, 1.8m |

#### 4. Setup Configuration



#### 5. Operating Condition of EUT

The mobile phone was at 0% power and in contact directly with EUT for charging.

#### 6. MPE Calculation

**Elitegroup Computer Systems Co., Ltd.** Declares that the product described above has been evaluated and found to comply with the RF exposure limits for humans, as specified based on ANSI/FCC recommendation.

According to FCC CFR 47 §1.1310, the criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b).

**Table 1 Limits for Maximum Permissible Exposure**

| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm <sup>2</sup> ) | Averaging Time (minutes) |
|-----------------------|-----------------------------------|-----------------------------------|---|--------------------------|
| 0.3-1.34              | 614                               | 1.63                              | (100)*                                  | 30                       |
| 1.34-30               | 824/f                             | 2.19/f                            | (180/f <sup>2</sup> )*                  | 30                       |
| 30-300                | 27.5                              | 0.73                              | 2                                       | 30                       |
| 300-1500              | --                                | --                                | f/150                                   | 30                       |
| 1500-100,000          | --                                | --                                | 1                                       | 30                       |

**Elitegroup Computer Systems Co., Ltd.** declares that the product described above has been evaluated and found to comply with the RF exposure limits for humans, as specified based on ANSI/FCC recommendation.

| <b>Separation</b> | <b>Probe from EUT side</b> | <b>E-field strength (V/m)</b> |
|-------------------|----------------------------|-------------------------------|
| 10cm              | Left                       | 0.31                          |
| 10cm              | Right                      | 0.21                          |
| 10cm              | Top                        | 0.28                          |
| 10cm              | Bottom                     | 0.18                          |
| 10cm              | Z-axis above EUT           | 0.26                          |
| <b>Limit</b>      |                            | <b>614</b>                    |

| <b>Separation</b> | <b>Probe from EUT side</b> | <b>H-field strength (A/m)</b> |
|-------------------|----------------------------|-------------------------------|
| 10cm              | Left                       | 0.05                          |
| 10cm              | Right                      | 0.017                         |
| 10cm              | Top                        | 0.04                          |
| 10cm              | Bottom                     | 0.006                         |
| 10cm              | Z-axis above EUT           | 0.013                         |
| <b>Limit</b>      |                            | <b>1.63</b>                   |

## 7. Test Setup Photo



Sincerely Yours,

A handwritten signature in blue ink that reads "Ben Cheng".

Mr. Ben Cheng  
Manager  
AUDIX Technology Corporation