



#### 4.3 Radiated Emission Test Data (Handset unit) FCC 15.249

**Worst Case Radiated Emission**  
**at Low Channel, 1849.74 MHz, margin: -5.03 dB**

##### 4.3.1 Fundamental & Harmonics Emission Data

EUT : 9012 (Handset unit)  
Testing Mode : Transmitter (Low Channel)

| Freq.<br>(MHz) | Spec.<br>Analyz<br>Detector | Antenna<br>Polariz.<br>(H/V) | Reading<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Corrected<br>Reading<br>(dBuV/m) | Limit<br>At 3m<br>(dBuV/m) | Margin<br>(dB) |
|----------------|-----------------------------|------------------------------|-------------------|-----------------------------|-----------------------|----------------------------------|----------------------------|----------------|
| 1849.74        | PK                          | H                            | 27.53             | 26.4                        | 2.2                   | 56.13                            | 74                         | -17.87         |
| 1849.74        | AV                          | H                            | 19.24             | 26.4                        | 2.2                   | 47.84                            | 54                         | -6.16          |
| 2774.58        | PK                          | H                            | 20.18             | 29.5                        | 2.64                  | 52.32                            | 74                         | -21.68         |
| 2774.58        | AV                          | H                            | 12.82             | 29.5                        | 2.64                  | 44.96                            | 54                         | -9.04          |
| 1849.74        | PK                          | V                            | 30.62             | 26.4                        | 2.2                   | 59.22                            | 74                         | -14.78         |
| 1849.74        | AV                          | V                            | 20.37             | 26.4                        | 2.2                   | 48.97                            | 54                         | -5.03          |
| 2774.58        | PK                          | V                            | 22.51             | 29.5                        | 2.64                  | 54.65                            | 74                         | -19.35         |
| 2774.58        | AV                          | V                            | 13.24             | 29.5                        | 2.64                  | 45.38                            | 54                         | -8.62          |

Remark:

1. Corrected Level = Reading Level + Antenna Factor + Cable Loss
2. Uncertainty was calculated in accordance with NAMAS NIS 81. In the General Radiated Emission Test, the uncertainty is within  $\pm 2.5$ dB
3. All Readings below 1GHz are Quasi-Peak, above are average value



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EUT : 9012 (Handset unit)  
Testing Mode : Transmitter (Middle Channel)

| Freq.<br>(MHz) | Spec.<br>Analyz<br>Detector | Antenna<br>Polariz.<br>(H/V) | Reading<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Corrected<br>Reading<br>(dBuV/m) | Limit<br>At 3m<br>(dBuV/m) | Margin<br>(dB) |
|----------------|-----------------------------|------------------------------|-------------------|-----------------------------|-----------------------|----------------------------------|----------------------------|----------------|
| 1852.55        | PK                          | H                            | 27.85             | 26.4                        | 2.2                   | 56.45                            | 74                         | -17.55         |
| 1852.55        | AV                          | H                            | 18.34             | 26.4                        | 2.2                   | 46.94                            | 54                         | -7.06          |
| 2778.87        | PK                          | H                            | 21.69             | 29.5                        | 2.64                  | 53.83                            | 74                         | -20.17         |
| 2778.87        | AV                          | H                            | 12.34             | 29.5                        | 2.64                  | 44.48                            | 54                         | -9.52          |
| 1852.55        | PK                          | V                            | 25.41             | 26.4                        | 2.2                   | 54.01                            | 74                         | -19.99         |
| 1852.55        | AV                          | V                            | 17.33             | 26.4                        | 2.2                   | 45.93                            | 54                         | -8.07          |
| 2778.87        | PK                          | V                            | 21.32             | 29.5                        | 2.64                  | 53.46                            | 74                         | -20.54         |
| 2778.87        | AV                          | V                            | 11.45             | 29.5                        | 2.64                  | 43.59                            | 54                         | -10.41         |

Remark:

1. Corrected Level = Reading Level + Antenna Factor + Cable Loss
2. Uncertainty was calculated in accordance with NAMAS NIS 81. In the General Radiated Emission Test, the uncertainty is within  $\pm 2.5\text{dB}$
3. All Readings below 1GHz are Quasi-Peak, above are average value



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EUT : 9012 (Handset unit)  
Testing Mode : Transmitter (High Channel)

| Freq.<br>(MHz) | Spec.<br>Analyz<br>Detector | Antenna<br>Polariz.<br>(H/V) | Reading<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Corrected<br>Reading<br>(dBuV/m) | Limit<br>At 3m<br>(dBuV/m) | Margin<br>(dB) |
|----------------|-----------------------------|------------------------------|-------------------|-----------------------------|-----------------------|----------------------------------|----------------------------|----------------|
| 1855.11        | PK                          | H                            | 27.05             | 26.4                        | 2.2                   | 55.65                            | 74                         | -18.35         |
| 1855.11        | AV                          | H                            | 17.34             | 26.4                        | 2.2                   | 45.94                            | 54                         | -8.06          |
| 2782.638       | PK                          | H                            | 21.98             | 29.5                        | 2.64                  | 54.12                            | 74                         | -19.88         |
| 2782.638       | AV                          | H                            | 12.34             | 29.5                        | 2.64                  | 44.48                            | 54                         | -9.52          |
| 1855.11        | PK                          | V                            | 25.71             | 26.4                        | 2.2                   | 54.31                            | 74                         | -19.69         |
| 1855.11        | AV                          | V                            | 16.67             | 26.4                        | 2.2                   | 45.27                            | 54                         | -8.73          |
| 2782.638       | PK                          | V                            | 21.14             | 29.5                        | 2.64                  | 53.28                            | 74                         | -20.72         |
| 2782.638       | AV                          | V                            | 11.28             | 29.5                        | 2.64                  | 43.42                            | 54                         | -10.58         |

Remark:

1. Corrected Level = Reading Level + Antenna Factor + Cable Loss
2. Uncertainty was calculated in accordance with NAMAS NIS 81. In the General Radiated Emission Test, the uncertainty is within  $\pm 2.5\text{dB}$
3. All Readings below 1GHz are Quasi-Peak, above are average value



#### 4.4 Radiated Emission Test Data (Base unit) FCC 15.249

**Worst Case Radiated Emission**  
**at High Channel, 1810.18 MHz, margin: -9.16 dB**

##### 4.4.1 Fundamental & Harmonics Emission Data

EUT : 9012 (Base unit)  
Testing Mode : Transmitter (Low Channel)

| Freq.<br>(MHz) | Spec.<br>Analyz<br>Detector | Antenna<br>Polariz.<br>(H/V) | Reading<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Corrected<br>Reading<br>(dBuV/m) | Limit<br>At 3m<br>(dBuV/m) | Margin<br>(dB) |
|----------------|-----------------------------|------------------------------|-------------------|-----------------------------|-----------------------|----------------------------------|----------------------------|----------------|
| 1805.07        | PK                          | H                            | 24.15             | 26.4                        | 2.2                   | 52.75                            | 74                         | -21.25         |
| 1805.07        | AV                          | H                            | 14.63             | 26.4                        | 2.2                   | 43.23                            | 54                         | -10.77         |
| 2707.65        | PK                          | H                            | 15.86             | 29.5                        | 3.14                  | 48.5                             | 74                         | -25.5          |
| 2707.65        | AV                          | H                            | 6.24              | 29.5                        | 3.14                  | 38.88                            | 54                         | -15.12         |
| 1805.07        | PK                          | V                            | 16.3              | 26.4                        | 2.2                   | 44.9                             | 74                         | -29.1          |
| 1805.07        | AV                          | V                            | 15.71             | 26.4                        | 2.2                   | 44.31                            | 54                         | -9.69          |
| 2707.65        | PK                          | V                            | 14.97             | 29.5                        | 3.14                  | 47.61                            | 74                         | -26.39         |
| 2707.65        | AV                          | V                            | 5.82              | 29.5                        | 3.14                  | 38.46                            | 54                         | -15.54         |

Remark:

1. Corrected Level = Reading Level + Antenna Factor + Cable Loss
2. Uncertainty was calculated in accordance with NAMAS NIS 81. In the General Radiated Emission Test, the uncertainty is within  $\pm 2.5\text{dB}$
3. All Readings below 1GHz are Quasi-Peak, above are average value



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EUT : 9012 (Base unit)  
Testing Mode : Transmitter (Middle Channel)

| Freq.<br>(MHz) | Spec.<br>Analyz<br>Detector | Antenna<br>Polariz.<br>(H/V) | Reading<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Corrected<br>Reading<br>(dBuV/m) | Limit<br>At 3m<br>(dBuV/m) | Margin<br>(dB) |
|----------------|-----------------------------|------------------------------|-------------------|-----------------------------|-----------------------|----------------------------------|----------------------------|----------------|
| 1807.49        | PK                          | H                            | 22.6              | 26.4                        | 2.2                   | 51.2                             | 74                         | -22.8          |
| 1807.49        | AV                          | H                            | 13.24             | 26.4                        | 2.2                   | 41.84                            | 54                         | -12.16         |
| 2711.24        | PK                          | H                            | 13.59             | 29.5                        | 3.14                  | 46.23                            | 74                         | -27.77         |
| 2711.24        | AV                          | H                            | 6.34              | 29.5                        | 3.14                  | 38.98                            | 54                         | -15.02         |
| 1807.49        | PK                          | V                            | 22.1              | 26.4                        | 2.2                   | 50.7                             | 74                         | -23.3          |
| 1807.49        | AV                          | V                            | 12.41             | 26.4                        | 2.2                   | 41.01                            | 54                         | -12.99         |
| 2711.24        | PK                          | V                            | 14.46             | 29.5                        | 3.14                  | 47.1                             | 74                         | -26.9          |
| 2711.24        | AV                          | V                            | 5.1               | 29.5                        | 3.14                  | 37.74                            | 54                         | -16.26         |

Remark:

1. Corrected Level = Reading Level + Antenna Factor + Cable Loss
2. Uncertainty was calculated in accordance with NAMAS NIS 81. In the General Radiated Emission Test, the uncertainty is within  $\pm 2.5\text{dB}$
3. All Readings below 1GHz are Quasi-Peak, above are average value



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EUT : 9012 (Base unit)  
Testing Mode : Transmitter (High Channel)

| Freq.<br>(MHz) | Spec.<br>Analyz<br>Detector | Antenna<br>Polariz.<br>(H/V) | Reading<br>(dBuV) | Antenna<br>Factor<br>(dB/m) | Cable<br>Loss<br>(dB) | Corrected<br>Reading<br>(dBuV/m) | Limit<br>At 3m<br>(dBuV/m) | Margin<br>(dB) |
|----------------|-----------------------------|------------------------------|-------------------|-----------------------------|-----------------------|----------------------------------|----------------------------|----------------|
| 1810.18        | PK                          | H                            | 25.52             | 26.4                        | 2.2                   | 54.12                            | 74                         | -19.88         |
| 1810.18        | AV                          | H                            | 16.24             | 26.4                        | 2.2                   | 44.84                            | 54                         | -9.16          |
| 2715.273       | PK                          | H                            | 16.36             | 29.5                        | 3.14                  | 49                               | 74                         | -25            |
| 2715.273       | AV                          | H                            | 7.64              | 29.5                        | 3.14                  | 40.28                            | 54                         | -13.72         |
| 1810.18        | PK                          | V                            | 25.17             | 26.4                        | 2.2                   | 53.77                            | 74                         | -20.23         |
| 1810.18        | AV                          | V                            | 15.34             | 26.4                        | 2.2                   | 43.94                            | 54                         | -10.06         |
| 2715.273       | PK                          | V                            | 19.3              | 29.5                        | 3.14                  | 51.94                            | 74                         | -22.06         |
| 2715.273       | AV                          | V                            | 8.22              | 29.5                        | 3.14                  | 40.86                            | 54                         | -13.14         |

**Remark:**

1. Corrected Level = Reading Level + Antenna Factor + Cable Loss
2. Uncertainty was calculated in accordance with NAMAS NIS 81. In the General Radiated Emission Test, the uncertainty is within  $\pm 2.5\text{dB}$
3. All Readings below 1GHz are Quasi-Peak, above are average value