

### 2.3. Equipment Approval Considerations.

The EUT does comply with item 5.2 of KDB 680106 D01v02.

a) Power transfer frequency is less than 1 MHz.

- The device operate in the frequency range from 115 kHz to 205 kHz.

b) Output power from each primary coil is less than 5 watts.

- The maximum field strength of fundamental : 88.20 dB $\mu$ V/m at 3 m. The EIRP calculation is reference to KDB 789033.

\* EIRP[dB m] = E[dB $\mu$ V/m] + 20log(d[meters]) -104.77 -4.8 dB, d = 3 m

\* 88.20 dB $\mu$ V/m - 95.2 - 4.8 = -11.80 dB m EIRP.

\* The output power from primary coil is 0.066 1 mW.

c) The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils.

- The transfer system includes only single primary and secondary coils.

d) Client device is inserted in or placed directly in contact with the transmitter.

- Client device is placed directly in contact with the transmitter. Refer to following photo.



e) The maximum coupling surface area of the transmit (charging) device:

- The EUT coupling surface area : 7.045 cm(W)  $\times$  11.726 cm(H) = 82.61 cm<sup>2</sup>, 60 cm<sup>2</sup> < 82.61 cm<sup>2</sup> < 400 cm<sup>2</sup>

f) Aggregate leakage fields at 10 cm surrounding the device from all simultaneous transmitting coils are demonstrated to be less than 30 % of the MPE limit.

- The EUT field strength levels are 30 %  $\times$  MPE limit < Level < MPE limit. Refer to following test results.  
0.489 A/m < 0.72 A/m (max.) < 1.63 A/m.

*The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report cannot be reproduced, except in full, without prior written permission of the Company.*