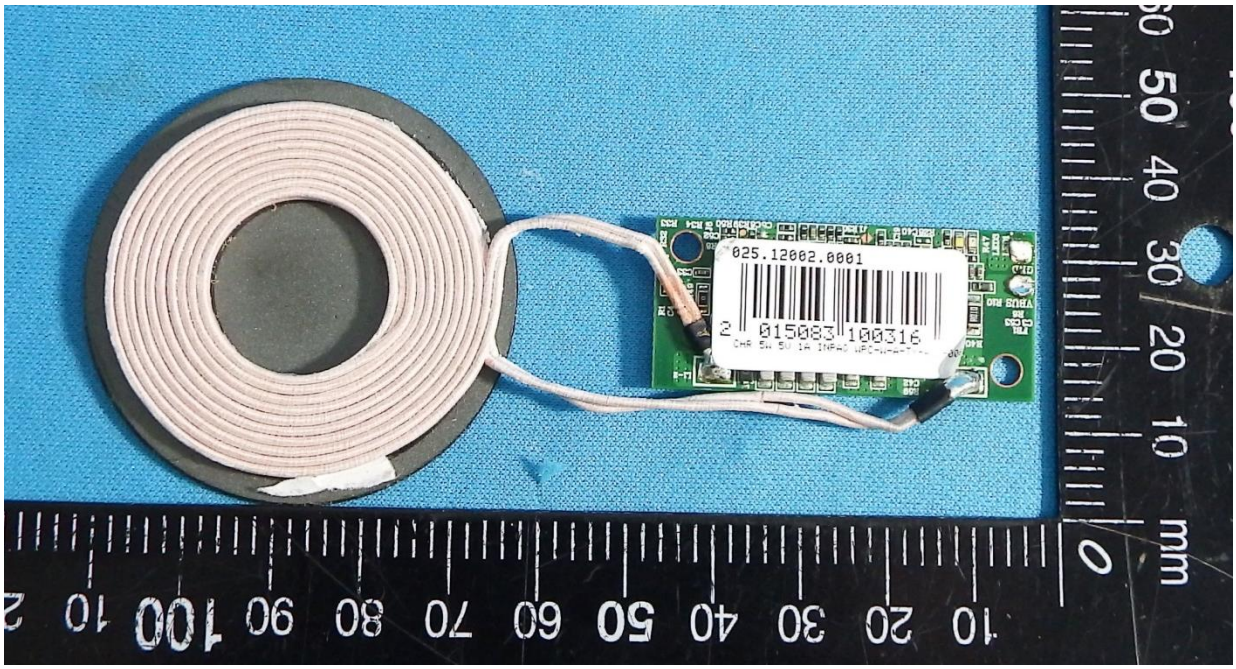
1. KDB INQUIRY

With regard to 680106 D01 RF Exposure Wireless Charging Apps v02
5. Equipment Approval Considerations
2) Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.
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.

2. EUT Information

Wireless Power Transfer General Information			
Frequency Range	**Modulation**	**Charging Freq. (kHz)**	**Field Strength (dBuV/m)**
110-205 kHz	FSK	110-205	80.64
Power Transfer Method	**Output power from each primary coil**	**Max. coupling surface area**	**Charging Method**
Magnetic induction and only single primary coil coupling secondary coil	< 5W	63.6cm^2	Client directly contact
Note 1: Field strength performed peak level at 3m.			

EUT Photo



EUT build-in a host

3. Test Method

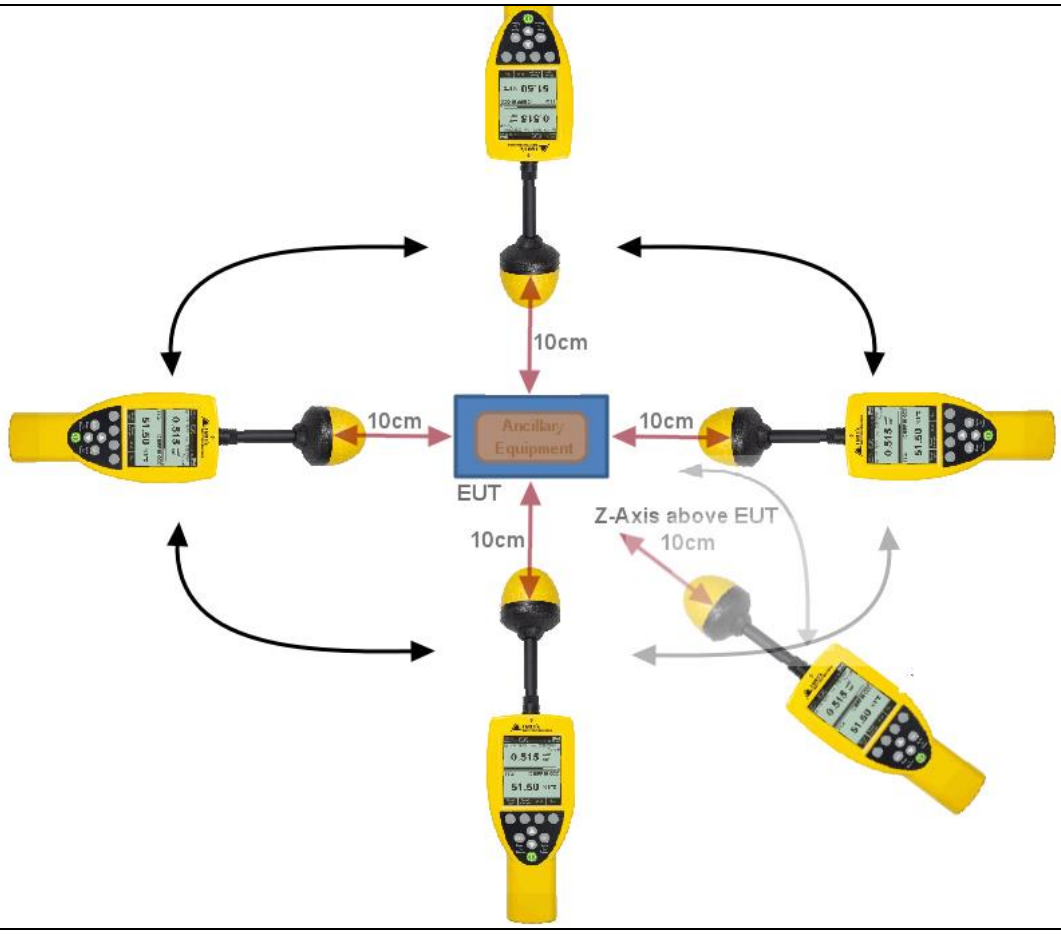
3.1 The Worst Charging Condition

Ancillary Equipment	Charging Condition	Worst Charging Condition
Fixture Load	Charging Mode	Charging Mode

3.2 Test Method

Test Method
☒ Performed aggregate both leakage E-field and H-field at surrounding the device from all simultaneous transmitting coils.
☒ During testing, the EUT was placed on a non-conductive table top and the ancillary equipment (e.g., mobile phone) was placed on the EUT for charging. Maximum E-field and H-field measurements were tested 10cm from each side of the EUT. Along the side of the EUT to center of E-field probe and H-field probe were positioned at the location to search maximum field strength.

Test Setup Diagram



Measuring distance 10cm - <KDB 680106>

Test Setup of H-Field

Test Setup of E-Field

4. Result of Maximum Permissible Exposure

Maximum Permissible Exposure				
Charging Condition	**Separation**	**Probe from EUT Side**	**E-field (V/m)**	**H-field Limit (A/m)**
< 1% Battery Status	10cm	Left	1.47	0.160
< 1% Battery Status	10cm	Right	1.52	0.118
< 1% Battery Status	10cm	Top	1.41	1.214
< 1% Battery Status	10cm	Bottom	1.34	0.083
< 1% Battery Status	10cm	Z-axis above EUT	5.45	0.569
Limit			614	1.63
Margin Limit (%)			0.89%	74.47%

5. Incompliance

KDB 680106 D01 v02 in Section 5 mandate, “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”.

Please comment and approve the result above.