

# FCC CLASS II PERMISSIVE CHANGE REQUEST LETTER

Reason for Amendment (current / obsolete)	Revision History		Approved Date
	From	To	
Initial Release (current)	1.0	1.0	Feb-20-2012

## FCC Class II Permissive Change Request Letter

Date : Jan. 09, 2017

To FCC:

**RE: FCC Permissive II Change Request for Company: EARNG Info tech Co., Ltd. FCC ID: 2AHHUWMC-1100**

We are submitting an application for a class II permissive change to the FCC approval of the Company name: EARNG Info tech Co., Ltd., product description: Wireless Charger (FCC: **2AHHUWMC-1100**, Original Grant Date: 03/03/2016). The transmitter module itself has not changed. Here are the changes:

1. Metal detection and change of resistance value according to foreign matter detection correction.

Parasitic Metal Object Detect (PMOD), Foreign Object Detection (FOD) and FOD Calibration The bq500212A supports improved FOD (WPC1.1) and enhanced PMOD (WPC 1.0) features. Continuously Monitoring input power, known losses, and the value of power reported by the RX device being charged, the Bq500212A can estimate how much power is unaccounted for and presumed lost due to metal objects placed in The wireless power transfer path. If this unexpected loss exceeds the threshold set by the FOD or PMOD Resistors, a fault is indicated and power transfer is halted. Whether the FOD or the PMOD algorithm is used is Determined by the ID packet of the receiver being charged.

As the default, both PMOD and FOD resistors should set a threshold of 400 mW (selected by 56.2-kΩ resistors)

2. Unification of parts for cost reduction.

We changed the capacitor of bypass by using two(10uF(3216) + 10uF(3216)) to one(22uF(3225)) which can reduce efficiency and unit cost.

3. The resistance value was changed to increase the detection speed.

Tuning to increase receiver's recognition speed. (R : 360KF(1608))

Sincerely,



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