Cover Letter for Wireless Charger

Data:2024-12-28

Dear Sir/Madam,

There's a _I/O 3D Scanner_ that would like to have your authorization as an Inductive wireless power transfer applications approval.

The specific product as below Wireless Charger with it's designed features and specified description, meets special requirements for KDB 680106 D01 v04 section 5.2 requirements.

Applicant:	Dental Imaging Technologies Corporation
Product Description:	I/O 3D Scanner
Model No:	DEXIS Imprevo
FCC ID:	2A7FY-IMPREVO

Requirement	Technical	Result
1) The power transfer frequency is below 1 MHz	111-200KHz	Complied
2) The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts	15W	Complied
3) A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)	Placed directly in transmitter	Complied
4) Only § 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).	Mobile	Complied
5) The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating	Refer to the MPE report	Complied

	structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.		
6)	For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested.	The product has only one coils	Complied

Sincerely,

Signature: Erick Liu

Printed Name: Erick Liu