

Assessment according to KDB 680106 section 5. 2) a-f)

This cover letter is provided to address the 6 points under KDB 680106 section 5. 2)a - f), for JOYA TOUCH 3-SLOT CRADLE (FCC ID: U4GJNG3SD).

Inductive wireless power transfer application incorporated in the JOYA TOUCH 3-SLOT CRADLE is such that the following assessment is applicable:

	FCC Requirement	Product Assessment
2a	<i>Power transfer frequency is less than 1 MHz</i>	130kHz single frequency used for power transfer and limited communication for load management.
2b	<i>Output power from each primary coil is less than 5 watts</i>	3-SLOT CRADLE has 3 identical wireless charging system (one for each slot), consisting of: <ul style="list-style-type: none"> - Tx WLC coil + - TI BQ500215 proprietary mode Wireless charging Transmitter. <p>The output power from each primary coil is 10W.</p>
2c	<i>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</i>	Each slot (Primary Tx) can charge one individual client device (secondary Rx) docked inside that slot. This structure is repeated 3 times.
2d	<i>Client device is inserted in or placed directly in contact with the transmitter</i>	Client device is docked inside the wireless charging slot and work in close contact with the transmitter.
2e	<i>The maximum coupling surface area of the transmit (charging) device is between 60 cm² and 400 cm².</i>	The coupling surface done by the ferrite where the Tx coil is placed is 25cm²
2f	<i>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.</i>	RF exposure measurement according to FCC Regulation §1.1310, §2.1091&2.1093 has been carried out and all measured values are more than 30% below the regulatory limits: Electric Field Strength (at 10cm around EUT): 10,7 V/m Magnetic Field Strength (at 10cm around EUT): 0,95 A/m

