KDB 680106 D01 RF Exposure Wireless Charging

Chapter 5.b

Questions:

(1) Power transfer frequency is less than 1 MHz?
(2) Output power from each primary coil is less or equal to 15 watts?
(3) The transfer system includes only single primary and secondary coils. This includes charging system that may have multi primary coils and clients that are able to detect and allow coupling only between individual pairs of coils?
(4) Client device is placed directly in contract with the transmitter?
(5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion)?
(6) The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from the simulation transmitting coils are demonstrated to be less than 50% of the MPE limit?

Answers:

-1 The device is operating on frequencies below 1 MHz.
(21.8kHz ; 120kHz; 125kHz are used)

-2 The Output Power is lower than 15Watt
(approx. 0,035W is transmitted)

-3 This system is using only a single coil.

-4 The “car-key” is direct placed into out device.

-5 This device can only be used mobile.

-6 The H-field strengths at 15 cm surrounding is less than 50%

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