



Applicant	TOP VICTORY ELECTRONICS (TAIWAN) CO., LTD.
FCC ID: ARS-PWMAW631B	IC: 9190A-PWMAW631B
RF Exposure Requirements (FCC KDB 680106 D01)	
Requirements	Statements
(a) Power transfer frequency is less than 1 MHz	110KHz~205KHz Please refer to product specification (Page 5): (LGIT)SA_Wireless Charging
(b) Output power from each primary coil is less than 5 watts	Less than 5W*, Please refer to product specification (Page 5): (LGIT)SA_Wireless Charging
(c) 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	This device single coil, please refer to product specification (1. General Description)photo 
(d) Client device is inserted in or placed directly in contact with the transmitter	Charging only when the client device is placed directly in contact with transmitter. 

<p>(e) The maximum coupling surface area of the transmit (charging) device is between 60 cm² and 400 cm².</p>	<p>The coil round area is 3.1416 x 5.5 x 5.5 = 95 cm². (Refer to page 6 of spec.)</p>
<p>(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.</p>	<p>The highest leakage filed is less than 30 % of the MPE limit. Please refer to BV RF Exposure Report FCC Application: SA170308D08 ISED Application: SA170308D08-1</p>

*Note: According to is the declared rating and the receiver efficiency will be less than 100%. The real efficiency described as below,

→ Efficiency should be over than 60% for WPC mode when Vin = 5V, Iout = 1A. (Efficiency Test, CTQ)

$$\eta(\%) = \frac{P_{output}}{P_{input}} = \frac{V_{EL} \times I_{EL}}{V_{PS} \times I_{PS}} \times 100$$



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