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Smart Profile Operational Description

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Smart Profile uses 13.56 MHz RF ID technology at low power (55 mw). Upon pressing the on-off switch Smart profile transmits and receives (100ms or less) the information from the passive RF ID tag in the brush head. Smart Profile then adjusts the power level, duration etc designed for the particular brushhead (generally used for face/skin cleansing).

The wireless communication standard followed is ISO-15693 and the modulation scheme is described in that standard. Only data is transferred. The modulation index is 10%. Data rate is 26Kbps.

Smart Profile can not be operated while it is charging.