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CETCB
114 Olinda Drive
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Subject: SAR TEST EXCLUSION

Gentlemen:

The Budderfly Controllable Outlet, FCC ID: QCVR0610400, is excluded from SAR testing by the following justification. The maximum power that the transmitter IC is capable of is 5.01 mW. By using the following formula from section 4.3.1 of KDB 447498:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

Using the maximum conducted power capable (7.0 dBm) and the minimum test separation (5 mm), the resulting calculated SAR value is:

$$(5.01 \text{ mW}) / 5 \text{ mm} * (\sqrt{0.915 \text{ GHz}}) = 0.958$$

This value is below the exclusion threshold for both the 1-g SAR and 10-g extremity SAR requirements.

If you have any further questions or need additional information, please feel free to give me a call at 714-921-1210.

Sincerely,

Daniel Riscalla
Vice-President of Engineering
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