

SAR Test Report for Wireless In-Vehicle Cellular Signal Enhancer
Model B8001900-1
FCC ID OEUB8001900-1

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RES Ltd. has reviewed the Wireless In-Vehicle Cellular Signal Enhancer Model B8001900-1, FCC ID OEUB8001900-1, for the need to conduct SAR evaluation. Due to the design and installation of this product, it qualifies for the exclusion called out in 2.1091.

The Wireless In-Vehicle Cellular Signal Enhancer is operated as a mobile device as defined in 2.1091(b) based on its design and installation. The unit is installed into a vehicle such that it is physically secured and is generally located more than 20cm from the end-user. In addition, the user manual is included a user reminder that there should be at least 20cm of separation between the vehicle's occupants and the antennas during normal operation.

The unit has a maximum transmitted conducted power of 0.3W (25dBm) in both uplink path, including an antenna gain of 10dBi. There's a minimum cable loss of 4.0 dB. Overall, the unit's total ERP is less than 1W.