



Date: September 2, 2020

Memo: Ex Parte Communication

From: John Perzow, Chair, Energy Star Task Force, Wireless Power Consortium

Regarding: External Power Supply RFI

Docket: EERE-2020-BT-STD-0006

Summary:

A conversation occurred on September 2, 2020 between Jeremy Dommu (DOE), Aziz Iqbal (Navigant) and John Perzow (Wireless Power Consortium) to discuss the preliminary results of an efficiency study of wireless power devices used for cell-phone charging.

The WPC Energy Star Task Force commissioned an experiment to determine if a single reference test receiver may be used to fairly, consistently and accurately assess the power-transfer efficiency of a wireless power transmitters.

Two popular cell phones from different manufacturers and eight Qi-compliant wireless power transmitters were tested and the power-transfer efficiency for each combination was measured. The results indicate that the phones show different efficiency ranking for the transmitters.

The WPC is evaluating the data and determining how to modify its proposed Energy Star test protocol for wireless power transmitters intended for applications of 50W or less.