



NXP, First to Achieve Qi Certification of MP-A11 Wireless Power Transmitter Reference Design for Mobile Devices, supporting 15W Qi, 7.5W iPhone charging and Samsung Fast Charge

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NXP Semiconductors today announced it is first to receive the Qi-certification from the Wireless Power Consortium for their MP-A11 fixed-frequency transmitter reference design supporting the Extended Power Profile (EPP) up to 15W, which covers 7.5W charging for the latest iPhones, as well as Samsung Fast Charge. The MP-A11 reference design was defined and developed by NXP, and is already used in many leading transmitter solutions for mobile devices. The MP-A11 offers a best-in-class charging and safety experience, and is currently the only proven development solution in the market to enable fast wireless charging optimized for iPhone.

The current approved MP-A11 reference design is a Fixed Frequency Single Coil Transmitter Reference Design (NXP part number WCT-15W1TXFF) supporting 15W EPP and is compliant with the latest Qi V1.2.4 specification. It includes various foreign object detection (FOD) techniques throughout power transfer which includes pre-power transfer FOD, ping period FOD and power loss FOD.

"With Apple's announcement* to include Qi wireless charging in the iPhone 8, iPhone 8 Plus and iPhone X, the industry is seeing acceleration of new transmitter designs, often by companies that wish to integrate this capability into an existing product line. By completing the certification on the reference design, NXP customers that are designing and manufacturing their own MP-A11 based transmitter devices can now easily speed the certification of their products – reducing months from their time to market and saving tens of thousands of dollars," said Steven Tateosian, Product Marketing Director at NXP.

NXP develops system level wireless power solutions, containing NXP controllers, application software, libraries, NFC readers, and power devices. NXP solutions offer device designers and manufacturers programmability and flexibility, power efficiency, Advanced Foreign Object Detection (FOD), for objects such as payment cards, as well as high speed secure authentication.

For more product and certification information please visit:

The NXP website: www.nxp.com/wirelesspower

Wireless Power Consortium website: <https://www.wirelesspowerconsortium.com/products/details/2481/15w-fixed-frequency-one-coil-power-transmitter>

[*NXP Welcomes New Apple iPhones with Qi Wireless Charging](#)