



PHD House, 4th Floor, Ramakrishna Dalmia Wing
4/2, Siri Institutional Area, August Kranti Marg, New Delhi – 110016, India
Tel#: (+91-11) 2685 5487 • Fax#: (+91-11) 2685 1321
E-mail: ceo@mait.com • Website: <http://www.mait.com>

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January 28, 2021

Shri Sukhpal Singh
JWA, WPC Wing
Department of Telecommunications
Sanchar Bhawan
20, Ashoka Road
New Delhi 110001

Subject: Request for Spectrum for Wireless - Inductive Charging Applications

Respected Sir,

Greetings from MAIT!

The Department of Telecommunication has been rendering a very positive role in the technological progress of the country. The various initiatives and schemes pioneered by the Department have enabled the business to thrive and is helping the country progress to newer heights. The positive impacts arising out of the timely and prudent policies is not only helping the Telecommunication sector to embrace new technologies but is also enabling other sectors to leverage the benefits arising out of the delicensed spectrum.

MAIT, as the apex ICT Association in the country, has been spearheading the promotion of the scientific, educational, and IT Industry and is an effective, influential and dynamic organisation. It provides a leadership role in hardware and software manufacturing with the support of its member firms. It seeks to develop, maintain and accelerate a competitive ICT ecosystem that will transform India into a digital knowledge economy and a globally competitive manufacturing hub.

The quest for solutions to address new needs and existing challenges have been enabled by rapid strides in multiple areas. One such area where the increasing role of new technologies and standards is seen is Power Electronics. The use of Wireless is now making its presence in chargers and adapters. The industry wireless standard “Qi” uses a power transmission using magnetic induction for very short distances from a few mm to a cm. All this is achieved by using very low powers (250 nW /-36 dBm) and thereby ensuring no interference to other surrounding wireless systems.

The requirement of India as well as a substantial chunk of the global requirement for chargers and adapters are met by the Indian power electronics manufacturers. As the industry takes the move to incorporate the latest technological breakthroughs, the availability of wireless spectrum can prove to be a major gamechanger. The **ETSI EN 300 330 standard covering the band 9 kHz - 30 MHz** is the globally available standard for ultra-low-power inductive/wireless charging applications on a non-protection, non-interference basis.

The availability of the desired spectrum (9 kHz to 30 MHz) will enable the Indian device manufacturers to overcome the constraints in enabling the inductive charging capability in their offerings. We would hereby urge the Department of Telecom to kindly view the requirements for the spectrum favourably and release the needed spectrum at the earliest. We sincerely hope that the availability of the above-mentioned spectrum would not only boost the power electronics industry but also enable India to augment its position in this field globally.

We look forward to your positive consideration of this request.

With regards,

A handwritten signature in black ink, appearing to read "George Paul". The signature is fluid and cursive, with a long horizontal stroke at the end.

George Paul
Chief Executive Officer

CC: Shri Anshu Prakash, Chairman and Secretary(T), Deptt. of Telecommunications, New Delhi
CC: Shri K Ramchand, Member (Technology), Department of Telecommunications, New Delhi
CC: Shri G K Agrawal, Wireless Advisor, Department of Telecommunications, New Delhi
CC: Shri M.K. Pattanaik, Sr. DWA WPC Wing, Department of Telecommunications, New Delhi
CC: Shri Y.G.S.C. Kishore Babu, DDG (S.R.I), Department of Telecommunications, New Delhi

Annexures:

- 1) ETSI EN 300 330 standard
- 2) Ofcom IR 2030 (Ref 1.8)
- 3) European Communications Office Presentation and importance of SRD