



Republic of the Philippines  
**NATIONAL TELECOMMUNICATIONS COMMISSION**  
NTC Bldg., Agham Road, East Triangle, Diliman, Quezon City

EXPLANATORY MEMORANDUM  
AND  
NTC MEMORANDUM CIRCULAR ON THE IMPLEMENTATION AND OPERATION  
OF MULTIPLE GIGABIT WIRELESS SYSTEMS (MGWS) WITHIN 60 GHZ FREQUENCY BAND

On September 9, 2015, a Notice of Public Hearing on the draft Memorandum Circular on Multiple Gigabit Wireless Systems (MGWS) within the 60 GHz frequency band, was published in a newspaper of general circulation. The public hearing was conducted on September 24, 2015. Considering the Recommendation ITU-R M.2003-1 on Multiple Gigabit Wireless Systems within the 60 GHz frequency band and public interest, the Commission decided to promulgate the attached Memorandum Circular.

The primordial objective of the memorandum circular is for NTC to keep pace with the rapid development of wireless technologies and to ensure that access to the limited radio spectrum be made widely available.

ITU RADIO REGULATIONS

Recommendation ITU-R M.2003-1 provides for the general characteristics and radio interface standards for Multiple Gigabit Wireless Systems in frequencies around 60 GHz.

The preamble of ITU-R M.2003-1 states:

*"The ITU Radiocommunication Assembly,*

*considers*

- *that Multiple Gigabit Wireless Systems (MGWS) are widely used for fixed, semi-fixed (transportable) and portable computer equipment for a variety of broadband applications;*
- *that MGWS are expected to encompass applications for wireless digital video, audio, and control applications, as well as multiple gigabit wireless local area networks;*
- *that MGWS standards are currently being developed for operation in the 60 GHz frequency range;*
- *that MGWS should be implemented with careful consideration to compatibility with other radio applications;*
- *that many administrations permit Multiple Gigabit Wireless Systems (MGWS) including RLAN devices to operate in the 60 GHz frequency range on a license exempt basis; and,*
- *that harmonized frequencies in the 60 GHz frequency range for the mobile service would facilitate the introduction of Multiple Gigabit Wireless Systems (MGWS) including radio local area networks (RLANs);*

*recognizes*

- *that both consumers and manufacturers will benefit from global harmonization of the 60 GHz spectrum for MGWS,*