



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

MEMORANDUM CIRCULAR  
NO. 01-01-2016

SUBJECT: Multiple Gigabit Wireless Systems (MGWS) in frequencies around 60 GHz

Whereas, pursuant to RA7925 (Public Telecommunications Policy Act) and its Implementing Rules and Regulations, the radio spectrum allocation and assignment shall be subject to review in the interest of public service and in order to keep pace with the development in the wireless technology with the end in view of insuring a wider access to the limited radio spectrum and the use of cost effective technology;

Whereas, the Radiocommunication Sector of the ITU adopted Recommendation ITU-R M.2003-1 (2015) which provides for the general characteristics and radio interface standards for Multiple Gigabit Wireless Systems in frequencies around 60 GHz;

Whereas, Multiple Gigabit Wireless Systems (MGWS) are widely used for fixed, semi-fixed (transportable) and portable computer equipment for a variety of broadband applications and are expected to encompass applications for wireless digital video, audio, and control applications, as well as multiple gigabit wireless local area networks; and

Whereas, 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) and both consumers and manufacturers will benefit from global harmonization;

Wherefore, pursuant Act3846, Radio Control Law, EO546 series of 1979, RA7925, Public Telecommunications Policy Act, and in support of the thrust of the government to promote and facilitate the development of information and communications technology (ICT) throughout the country; the National Telecommunication Commission hereby promulgates the following:

**Sec. 1. Frequency Allocation**

The frequency band 57GHz to 66GHz shall be allocated for the implementation and operation of the Multiple Gigabit Wireless Systems (MGWS) and shall form part of the National Radio Frequency Allocation Table.

**Sec. 2. MGWS Devices**

Only MGWS devices with an integral antenna installed and with no external antenna socket for connecting an external antenna shall be allowed. An integral antenna is designed as a fixed part of the equipment, without the use of an external connector and as such cannot be disconnected from the equipment by a user with the intent to connect another antenna.

**Sec. 3. TYPE-APPROVAL/TYPERE-ACCEPTANCE AND REGISTRATION**

1. Only type approved/accepted MGWS devices shall be allowed for use in the country.
2. The MGWS standards and their system characteristics contained in Annex 1 of ITU-R Recommendation M.2003-1 should be used and shall form part of this Circular.