



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

MEMORANDUM CIRCULAR

No. 06-08-2018

SUBJECT: Amending Sections 1 and 2 of Memorandum Circular No. 03-05-2007

Pursuant to Act 3846, as amended (Radio Control Law), Executive Order No. 546, series of 1979, Republic Act No. 7925 (Public Telecommunications Act), in the interest of public service and in order to keep pace with the development in wireless technology to ensure wider access to the limited radio spectrum and the use of cost-effective technology, Sections 1 and 2 of Memorandum Circular (MC) No. 03-05-2007 are hereby amended as follows:

1. DEFINITION OF TERMS

1.16 **Ultra-Wide Band (UWB)** is defined by Recommendation ITU-R SM1755 as a technology for short-range radiocommunication involving the intentional generation and transmission of radio-frequency energy that spreads over a very large frequency range, which may overlap several frequency bands allocated to radiocommunication services. Devices using UWB technology typically have intentional radiation from the antenna with either a -10 dB bandwidth of at least 500 MHz or a -10dB fractional bandwidth greater than 0.2.

2. OPERATING PARAMETERS/CONDITIONS

The limits of technical parameters herein prescribed should not be exceeded by any function of the equipment or by any means.

Type of SRD	Frequency Band	Max. Mean EIRP
UWB	6.0-8.5 GHz	-41.3 dBm/MHz

The operation of UWB communication devices is subject to the following conditions:

- a. The UWB device shall only transmit when it is sending information to an associated receiver. It shall cease transmission within ten (10) seconds unless it receives acknowledgement from the associated receiver. The device must continue to receive an acknowledgement of transmission at least every (10) seconds, or else, it must cease transmitting any information other than periodic signals for use in the establishment or re-establishment of a communications link with an associated receiver;
- b. The UWB device shall be marked with the supplier's/manufacturer's name or identification mark, and the supplier's/manufacturer's model or type reference. The markings shall be legible, indelible and readily visible;
- c. The device shall not be constructed with any external or readily accessible control which permits the adjustment of its operation in a manner that is inconsistent with the specification;

- d. UWB devices shall be fixed with integral antenna and without the antenna connector;
- e. UWB devices may be capable of interference-mitigating techniques to provide additional protection to radiocommunication services;
- f. UWB devices shall be used on unprotected and non-interference bases, that is , users cannot claim protection against interference and shall not cause harmful interference to other radiocommunication services to which the frequency band is also allocated;
- g. UWB devices shall be tested for Safety, Electromagnetic Compatibility (EMC) and Radio Frequency Efficiency and only NTC Type-Accepted UWB devices shall be allowed for use in the country; and
- h. The operation of UWB devices on aircraft, ship or satellite is not permissible.

Any circular, memorandum, order, guidelines, rules or parts thereof inconsistent herewith are considered superseded or amended.

This Circular shall take effect fifteen (15) days after publication in a newspaper of general circulation and three (3) certified true copies are furnished the UP Law Center.

Quezon City, Philippines 29 August 2018


GAMALIEL A. CORDOBA
Commissioner


DELILAH F. DELES
Deputy Commissioner


EDGARDO V. CABARIOS
Deputy Commissioner