



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

MEMORANDUM CIRCULAR

NO. 07-08-2016

SUBJECT: Fixed Wireless Systems operating in the 71-76 GHz and 81-86 GHz bands

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 latest and cost effective technology;

Whereas, the Radiocommunication Sector of the ITU adopted Recommendation ITU-R F.2006 (03/2012) which provides for the radio frequency channel and block arrangements for fixed wireless systems (FWS) operating in the 71-76 GHz and 81-86 GHz bands; and

Whereas, there is a demand for Fixed Wireless Systems for broadband applications and high-speed networks for the rapidly growing deployment of large data capacity transport, e.g. for uncompressed high-definition television (HDTV) signal transmission or for mobile networks applications;

Wherefore, pursuant to Act 3846 (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 (NTC) hereby promulgates the following:

Sec. 1. Frequency Allocation

The frequency band 71-76 GHz and 81-86 GHz shall be allocated for Fixed Wireless Systems (FWS) and shall form part of the National Radio Frequency Allocation Table (NRFAT).

Sec. 2. Channelling Plan

The channelling plan based on ITU Recommendation ITU-R F.2006 is shown in Annex 1.

Sec. 3. TYPE-APPROVAL/TYPE-ACCEPTANCE

Only type-approved/type-accepted radio equipment shall be authorized to operate in the country.

Sec. 4. LICENSING AND ADMINISTRATIVE FEES/CHARGES

All radio equipment shall undergo the licensing process for Fixed Wireless Systems for Point-to-Point Radio Systems and corresponding administrative fees and charges shall apply.

Sec. 5. SPECTRUM USER FEES (SUF)

The annual spectrum user fees (SUF) shall be:

5.1. For paired (FDD) systems,

The SUF is PHP 20,000.00 per 250 MHz of bandwidth per station

5.2. For un-paired systems,

The SUF is PHP 15,000.00 per 250 MHz of bandwidth per station

Sec. 6. Any circular, memorandum, order or parts thereof inconsistent with the provision of this circular shall be deemed amended or superseded accordingly.

Sec. 7. This circular shall take effect (15) days after publication in a newspaper of general circulation and three (3) certified true copies furnished the UP Law Center.

Quezon City, Philippines, August 5, 2016, 2016.



GAMALIEL A. CORDOBA
Commissioner



DELILAH F. DELES
Deputy Commissioner



EDGARDO V. CABARIOS
Deputy Commissioner

Channel arrangements for Fixed Wireless Systems operating in the bands 71-76 GHz/81-86 GHz based on ITU-R Rec. F.2006

CH #	F	CH #	F'	ITU-R Rec. F.2006 Annex 1
1	71000-73500	1	81000-83500	radio frequency sub-band or block arrangements for 2.5 GHz channel size
2	73500-76000	2	83500-86000	
CH #	F	CH #	F'	ITU-R Rec. F.2006 Annex 1
1	71000-72250	1	81000-82250	radio frequency sub-band or block arrangements for 1.25 GHz channel size
2	72250-73500	2	82250-83500	
3	73500-74750	3	83500-84750	
4	74750-76000	4	84750-86000	
CH #	F	CH #	F'	ITU-R Rec. F.2006 Annex 1
1	71000-72000	1	81000-82000	radio frequency sub-band or block arrangements for 1 GHz channel size
2	72000-73000	2	82000-83000	
3	73000-74000	3	83000-84000	
4	74000-75000	4	84000-85000	
5	75000-76000	5	85000-86000	
CH #	F	CH #	F'	ITU-R Rec. F.2006 Annex 2
1	71250	1	81250	radio frequency sub-band or block arrangements for 250 MHz channel size
2	71500	2	81500	
3	71750	3	81750	
4	72000	4	82000	
5	72250	5	82250	
6	72500	6	82500	
7	72750	7	82750	
8	73000	8	83000	
9	73250	9	83250	
10	73500	10	83500	
11	73750	11	83750	
12	74000	12	84000	
13	74250	13	84250	
14	74500	14	84500	
15	74750	15	84750	
16	75000	16	85000	
17	75250	17	85250	
18	75500	18	85500	
19	75750	19	85750	
CH #	F	CH #	F'	ITU-R Rec. F.2006 Annex 2
1	71375	1	81375	radio frequency sub-band or block arrangements for 500 MHz channel size
2	71875	2	81875	
3	72375	3	82375	
4	72875	4	82875	
5	73375	5	83375	
6	73875	6	83875	
7	74375	7	84375	
8	74875	8	84875	
9	75375	9	85375	
CH #	F	CH #	F'	ITU-R Rec. F.2006 Annex 2
1	71500	1	81500	radio frequency sub-band or block arrangements for 750 MHz channel size
2	72250	2	82250	
3	73000	3	83000	
4	73750	4	83750	
5	74500	5	84500	
6	75250	6	85250	