



# FEDERAL MINISTRY OF COMMUNICATION TECHNOLOGY

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## SPECTRUM MANAGEMENT DEPARTMENT

FORM NO: \_\_\_\_\_

FORM/MOCT/RT/02N

### INITIAL/RENEWAL/ADDITIONAL APPLICATION FOR FREQUENCY (TERRESTRIAL RADIO SERVICE)

1.00 Name of Company/Agency: \_\_\_\_\_

#### GENERAL INFORMATION

2.01 Frequency Assigned: \_\_\_\_\_

2.02 Nature of Frequency Usage: \_\_\_\_\_

2.03 Mode of Operation: \_\_\_\_\_

2.04 Additional Frequency Information: \_\_\_\_\_

2.05 Frequency Channel Number: \_\_\_\_\_

2.06 Frequency Stability (Official): \_\_\_\_\_

2.07 Schedule of Operation (Duty Cycle): \_\_\_\_\_

2.08 Schedule of Operation (Max. Hrs. of Operation): \_\_\_\_\_

2.09 Schedule of Operation (Regular Hrs. or percentage of use: \_\_\_\_\_  
\_\_\_\_\_

2.10 Schedule of Operation (Seasonal Period and Solar Activity: \_\_\_\_\_  
\_\_\_\_\_

2.11 Class of Station: \_\_\_\_\_

2.12 Street Number: \_\_\_\_\_

2.13 Nature of Service: \_\_\_\_\_

2.14 Experimental Station: \_\_\_\_\_

2.15 Function of the Station: \_\_\_\_\_

### 3.00 CHARACTERISTICS CONCERNING TRANSMITTING STATION AND SITE

- 3.01 Identification Number of Transmitting Site (Official): \_\_\_\_\_
- 3.02 Name of Transmitting Station: \_\_\_\_\_
- 3.03 Type of Terrain: \_\_\_\_\_
- 3.04 Terrain Characteristics (AH Parameter): \_\_\_\_\_
- 3.05 Proposed Date of Putting System to Service: \_\_\_\_\_
- 3.06 Terrain Characteristics (Effective Height over the average level of ground): \_\_\_\_\_  
\_\_\_\_\_
- 3.07 Height of the Transmitter Site above Sea Level: \_\_\_\_\_
- 3.08 Call Sign or other identification: \_\_\_\_\_

### 4.0 CHARACTERISTICS CONCERNING TRANSMITTING EQUIPMENT

- 4.01 Code Number of Transmitting Equipment (official): \_\_\_\_\_
- 4.02 Designation of Emission: \_\_\_\_\_
- 4.03 Maximum authorized Radiated Power in the directed of maximum radiation: \_\_\_\_\_  
\_\_\_\_\_
- 4.04 Power Designation: \_\_\_\_\_
- 4.05 Radiation Power: \_\_\_\_\_
- 4.06 Power Delivered to the Antenna: \_\_\_\_\_
- 4.07 Pulse Repetition Frequency: \_\_\_\_\_
- 4.08 Pulse Width: \_\_\_\_\_

### FOR OFFICIAL USE ONLY

- 5.01 Code Number of Transmitting Antenna (Official): \_\_\_\_\_
- 5.02 Height of Transmitting Antenna above Ground: \_\_\_\_\_
- 5.03 Type of Transmitting Antenna: \_\_\_\_\_
- 5.04 Polarization of Transmitting Antenna: \_\_\_\_\_
- 5.05 Characteristics of Transmitting Antenna: \_\_\_\_\_
- 5.06 Azimuth of Maximum Radiation: \_\_\_\_\_
- 5.07 Horizontal Beam Width: \_\_\_\_\_
- 5.08 Elevation Angle of Main Lobe: \_\_\_\_\_
- 5.09 Front to Back Ratio of the Antenna: \_\_\_\_\_
- 5.10 Relative Gain of Transmitting Antenna: \_\_\_\_\_

- 5.11 Transmission Line Attenuation: \_\_\_\_\_
- 5.12 Scanning Motion Method: \_\_\_\_\_
- 5.13 Type of Scan: \_\_\_\_\_
- 5.14 Scan Per Minute: \_\_\_\_\_

## **6.00 CHARACTERISTICS CONCERNING RECEIVING STATION AND SITE**

- 6.01 Identification Number of Receiving Site: \_\_\_\_\_
- 6.02 Name of the Receiving Station: \_\_\_\_\_
- 6.03 Type of Location or Area: \_\_\_\_\_
- 6.04 Type of Terrain: \_\_\_\_\_
- 6.05 Radius of Circular Receiving Area (Km): \_\_\_\_\_
- 6.06 Length of Circuit: \_\_\_\_\_
- 6.07 (a) Longitude of Site: \_\_\_\_\_ (b) Latitude Site: \_\_\_\_\_
- 6.08 Height of Receiving Site above Sea Level: \_\_\_\_\_

## **7.00 CHARACTERISTICS CONCERNING RECEIVING EQUIPMENT**

- 7.01 Code Number of Receiving Equipment (Official): \_\_\_\_\_
- 7.02 Receiver Selectivity: \_\_\_\_\_
- 7.03 Receiver Sensitivity: \_\_\_\_\_
- 7.04 Signal/Noise Ratio (dB): \_\_\_\_\_
- 7.05 Sensitivity to Interference: \_\_\_\_\_
- 7.06 Receiving System Noise Temperature: \_\_\_\_\_

## **8.00 CHARACTERISTICS CONCERNING RECEIVING ANTENNA.**

- 8.01 Code Number of Receiving Antenna (Official): \_\_\_\_\_
- 8.02 Height of Receiving Antenna above Ground: \_\_\_\_\_
- 8.03 Type of Receiving Antenna: \_\_\_\_\_
- 8.04 Polarization of Receiving Antenna Pattern: \_\_\_\_\_
- 8.05 Characteristics of Receiving Antenna: \_\_\_\_\_
- 8.06 Special Receiving Antenna Pattern: \_\_\_\_\_
- 8.07 Horizontal Angular Width of Main Lobe: \_\_\_\_\_
- 8.08 Azimuth of Maximum Reception: \_\_\_\_\_

- 8.09 Horizontal Beamwidth: \_\_\_\_\_
- 8.10 Elevation Angle of Beam Width or Elevation Scanning Sector: \_\_\_\_\_
- 8.11 Front to Back Ratio of the Receiving Scanning Antenna: \_\_\_\_\_
- 8.12 Vertical Beam Width: \_\_\_\_\_
- 8.13 Gain Receiving Antenna: \_\_\_\_\_
- 8.14 Receiving Line Attenuation: \_\_\_\_\_

***NB: This form must go with FORM MOC/RT/01N. Please***

**END**

**\*\*Note that incorrect data supplied could mean bad Communication for you and others.  
Ensure that this **FORM** is filled correctly for each **STATION** please!!**