



# APPLICATION FORM FOR RADIO FREQUENCY ASSIGNMENT AND GUIDANCE FOR FILLING IT



## A –Applicant Information

1- Name of Applicant: .....	:	-
2- Address : .....	:	-
3- P. O. Box : .....	4- City : .....	.....: - .....
5- Region : .....	6- Zip Code : .....	.....: - .....
7- Responsible Department .....	.....:	-
8- Contact Person : .....	.....:	-
9- Phone No. : .....	.....:	-
10- Fax No. : .....	.....:	-
11- E-Mail address : .....	.....:	-

## B - Application Information

1- Purpose of Frequency Usage: .....	.....:	-
2- Usage Period : From .....	To .....	.....: -
3- Zone of Use : .....	.....:	-
4- Purpose of Application:	:	-
New <input type="checkbox"/> Modification <input type="checkbox"/> Suppression <input type="checkbox"/>	إلغاء <input type="checkbox"/> تعديل <input type="checkbox"/> جديد <input type="checkbox"/>	



**C – Radio Service Information**

( )

-

1- Type of Service : .....	.....	:	-
2- Nature of Service : .....	.....	:	-
3- No. of Fixed Stations : .....	.....	:	-
4- No. of Mobile Stations : .....	.....	:	-
5- No. of Stations in Microwave Network : .....	.....	:	-
6- Communication Type : .....	.....	:	-
7- Class of Operation : .....	.....	:	-
8- Mode of Operation : .....	.....	:	-
9- Hours of Operation : .....	.....	:	-
From (Local Time) : .....	To : .....	( )	-

**D - Fixed Station Information**

1- Transmitting Station Name .....	.....	-
2- Receiving Station Name .....	.....	-
3- Geographical Coordinates For the station Site		-
Longitude ..... E .....; Latitude ..... N .....	.....	.....
4- Desired Frequency Band of the Required Frequency .....	.....	-
.....MHz	.....	-
<b>Transmit</b>	<b>Receive</b>	
.....	.....	
.....	.....	
.....	.....	
5- Necessary Bandwidth ..... KHz/MHz	/	.....
6- Class of Emission .....	.....	-
7- Channel Capacity..... Mbps	/	.....
8- Output Power ..... dBW	.....	-
9- Tx/Rx Separation ..... MHz	.....	-
10- Frequency Stability ..... %	%	.....
11- Permissible Interference ..... dBW	.....	-



**E - For Satellite Earth Station**

12- Space Station Orbital  Geo.  Non Geo.   -

Longitude ..... E or ..... W ..... -

Space Station Name ..... -

13- indicate by sign ( $\pm$ ) and degree of the elevation angles of the Horizon in 5 degrees steps (azimuth) beginning from true North. . ( ) ( $\pm$ ) -

Horizon Angle	Horizon Angle	Horizon Angle	Horizon Angle	Horizon Angle	Horizon Angle
0	60	120	180	240	300
5	65	125	185	245	305
10	70	130	190	250	310
15	75	135	195	255	315
20	80	140	200	260	320
25	85	145	205	265	325
30	90	150	210	270	330
35	95	155	215	275	335
40	100	160	220	280	340
45	105	165	225	285	345
50	110	170	230	290	350
55	115	175	235	295	355

**F - Antenna Information For Fixed Stations**

14- Antenna Directivity Pattern ..... -

15- Antenna Gain ..... dB ..... -

16- Antenna Feeder & Filter Loss ..... dB ..... -

17- Height above Ground Level ..... m ..... -

18- Height above Sea Level ..... m ..... -

19- Azimuth of the Main Lobe ..... deg. .... -

20- Elevation Angle ..... deg. .... -

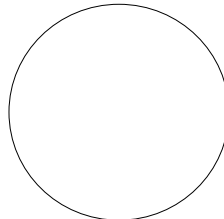
21- Polarization ..... -



**G - Mobile Station Information**

1- Station Name .....	.....	-
2- Type of Mobile .....	.....	-
3- Geographical Coordinates For the Base station operating with the mobile station. ....	.....	-
Longitude ..... E .....; Latitude ..... N .....	.....	.....
4- Desired Frequency Band of the Required Frequency .....	.....	-
..... MHz	.....	.....
<b>TX Frequency</b>		<b>RX Frequency</b>
.....		.....
.....		.....
.....		.....
5- Tx/Rx Separation .....	..... MHz	-
6- Necessary Bandwidth .....	KHz/MHz	/
7- Class of Emission .....	.....	-
8- Output Power .....	dBW	-
9- Antenna Model .....	.....	-
10- Antenna Gain .....	dB	-

\_\_\_\_\_  
**Signature of Applicant**  
**Date**



Stamp



## GUIDANCE FOR FILLING THE FORM

The applicant shall fill in all the fields of the form in Arabic and English, and in the case of fields not applicable to the particular service required (N/A) shall be filled in.

## إرشادات تعبئة نموذج طلب تخصيص الترددات

### **A- Applicant Information**

- 1- Write the name of the Applicant .
- 2-11 Fill as appropriate .

### **B- Application Information**

- 1- Clearly indicate for the purpose of using the frequency.
- 2- Indicate the period for which the frequency is requested.
- 3- Indicate the area of use
- 4- Indicate the Purpose of the Application

### **C- Radio Service Information**

- 1- Insert one of the following numbers to indicate the type of service :

- 101.1 Maritime mobile service
- 101.2 Aeronautical mobile service
- 101.3 Land mobile service
- 102.1 Public fixed service
- 102.2 Private fixed service
- 103.1 Sound broadcasting service
- 103.2 Television broadcasting service
- 104 Radionavigation service
- 105 Radiolocation service
- 106 Radio astronomy service
- 107 Amateur service
- 108 Standard frequency and time signal service
- 109 Meteorological aids service
- 110 Special service
- 201 Mobile-satellite service
- 202 Maritime mobile-satellite service
- 203 Aeronautical mobile-satellite service
- 204 Land mobile-satellite service
- 205 Fixed-satellite service
- 206.1 Sound broadcasting-satellite service
- 206.2 Television broadcasting-satellite service
- 207 Radionavigation-satellite service
- 208 Amature-satellite service
- 209 Standard frequency and time signal satellite service



- 210 Earth exploration-satellite service  
211 Meteorological aids-satellite service  
212 Space research service  
213 Space operation service  
214 Inter-satellite service
- 2- Select one of the following abbreviations to indicate the nature of service :  
**CO** - Station opens exclusively to official correspondence. - **CO**  
**CP** - Station opens to public correspondence. - **CP**  
**CV** - Station opens exclusively to Correspondence of a private agency. - **CV**
- If other nature of service is relevant, explain under additional informations ( e.g. navigation system, meteorologic . . . ) .
- 3-4 Indicate the number of Fixed Station and Mobile Station . ٤ - ٣
- 5- Indicate number of stations. Fill in for each station. for more than 2 stations attach routing plan . - ٥
- 6- Mention the type of communication : (Telephony- Data transmission video . . . , etc ). ( . . . . ) - ٦
- 7- Insert A, B or C :  
**A** - Regular operation and use . -  
**B** - Occasional or standby use . -
- 8- Insert A1 , A2, B , C, D , or E :  
**A1**- One way operation ( transmitting only , e.g. broadcasting ) . -  
**A2**- One way operation ( receiving only , e.g. navigation, direction finder, etc.) . ( . . . . ) -  
**B**- Duplex Operation . -  
**C**- Semi Duplex Operation . -  
**D**- Simplex Operation . -  
**E**- Simplex Operation with two frequencies. -



- 9- Use the following code : : - ٩  
**H24** for 24 hours ( Indicate the number of Hours ) . ( )  
**Hg** for Daylight . .  
**Hn** for Night time . .
- Select the period given in 24 hours mode in local time . .
- D- Fixed Station Information** . - ١٠
- 1- Indicate name of the transmitting station. . - ١  
2- Indicate name of the receiving station. . - ٢  
3- Indicate the geographic coordinates of the station location . - ٣  
4- Please indicate the desired frequency band and frequencies pre-assigned to you . - ٤  
5- Indicate the bandwidth, of the required frequency . - ٥  
6- Indicate the channel capacity in (Mbps). . ( / ) - ٦  
7- refer to the table of “CLASS OF EMISSIONS” attached . “ ” - ٧  
8- State the TX output power . . - ٨  
9- Indicate Transmit / Receive frequency separation . - ٩
- 10-11 Fill as appropriate . . ١١-١٠
- E- For Satellite Earth Station** \_\_\_\_\_
- 12- Indicate whether Geostationary or Non-Geostationary satellite. If Geostationary, indicate the longitude on which the Satellite is positioned and whether it is West or East. Indicate also the name and designation of the Satellite. . - ١٢
- 13- Please indicate by sign ( $\pm$ ) and degree of the elevation angles of Horizon in 5 degrees steps ( azimuth ) beginning from the North . ( $\pm$ ) . ( ) - ١٣
- F- Antenna Information For Fixed Stations** \_\_\_\_\_ - ١٤



- 14- Attached the antenna directivity pattern. - ١٤
- 15- Indicate the used antenna Gain. - ١٥
- 16- Indicate the loss of the feeder & felter between transmitter output and antenna input. - ١٦
- 17- Indicate the height of your antenna above the ground level ( height of mast or house plus antenna support ) . ( ) - ١٧
- 18- Indicate the height of your antenna above the Sea level . - ١٨
- 19- Only for Antennas with directivity : : - ١٩  
Indicate the azimuthal direction of the main lobe of your antenna relative to the north direction .
- 20- Indicate sign ( + or - ) and degrees of the elevation of your antenna . ( - + ) - ٢٠
- 21- Complete as required. - ٢١
- G- Mobile Station Information** - ٢
- 
- 1- Put the wanted call name . -
- 2- Choose the appropriate : :  
a. Car. .  
b. Aircraft. .  
c. Ship. .  
d. Other Indicate : . ( ) . . . .
- 3- Indicate the geographic coordinates for the base station . - ٣
- 4- Please indicate the desired frequency band and frequencies pre-assigned to you . - ٤
- 5- Indicate Transmit / Receive frequency separation . - ٥
- 6- Indicate the required bandwidth. . - ٦
- 7- refer to the table of “CLASS OF EMISSIONS” attached . “ ” - ٧
- 8- State the TX output power . - ٨
- 9- Attached the antenna directivity pattern. . - ٩
- 10- Indicate the used antenna Gain. . -



## نوع البث CLASS OF EMISSIONS

### FIRST SYMBOL

TYPE OF MODULATION (1. symbol)	Code
Unmodulated carrier	N
Amplitude modulated main carrier :	
* Double sideband	A
* Single sideband, full carrier	H
* Single sideband, reduced or variable level carrier	R
* Single sideband, suppressed carrier	J
* Independent sidebands	B
* Vestigial sideband	C
Angle-modulated sideband	
* Frequency modulation	F
* Phase modulation	G
Main carrier is amplitude and angle-modulated, Simultaneously or in a pre-established sequence	D
Pulse emission;	
* A sequence of unmodulated pulses	P
* Modulated in amplitude	K
* Modulated in width/duration	L
* Modulated in position/phase	M
* With angle-modulation of carrier during pulses	Q
* Other pulse modulation methods or combinations	V
Hybrid modulation systems not covered above, involving two or more basic modulation techniques	W
Other cases	X

### SECOND SYMBOL

NATURE OF MODULATING SIGNAL(2. Symbol)	Code
No modulating signal	0
A signal channel of quantized or digital information	
* Without the use of sub-carrier	1
* With a sub-carrier	2
A signal channel containing analogue information	3
Two or more channels containing quantized or digital information	7
Two or more channels containing analogue information	8
A composite system containing both analogue and digital channels	9
Other cases	x

### THIRD SYMBOL

TYPE OF INFORMATION TRANSMITTED	Code
No information transmitted	N
Telegraphy-for aural reception	A
Telegraphy-for automatic reception	B
Facsimile	C
Data transmission, telemetry, telecommand	D
Telephony (including sound broadcasting)	E
Television	F
Combinations of above	W
Other cases	X

### FOURTH SYMBOL

DETAILS OF SIGNAL (4. Symbol)	Code
Two-condition code with elements of differing numbers and/or durations	A
Two-condition code with elements of the same numbers and duration without error-correction	B
Two-condition code with elements of the same numbers and duration without error-correction	C
Four-condition code in which each condition represents a signal element (of one or more bits)	D
Four-condition code in which each condition represents a signal element (of one or more bits)	E
Multi-condition code in which each condition or combination of conditions represents a character	F
Sound of broadcasting quality (monophonic)	G
Sound of broadcasting quality (stereo or quadrasonic)	H
Sound of commercial quality (excluding categories given in the next paragraphs)	J
Sound of commercial quality with the use of frequency inversion or band splitting	K
Sound of commercial quality with separate frequency-modulated signals to control the level of demodulated signals	L
Monochrome	M
Colour	N
Combination of the above	W
Cases not otherwise covered	X

### FIFTH SYMBOL

NATURE OF MULTIPLEXING (5. Symbol)	Code
None	N
Code-division multiplex (Incl. bandwidth expansion techniques)	C
Frequency-division multiplex	F

F 3 E J N