

**SECTION A: CENTRAL STATION** (*this form should be completed for every hub station of your application*)

<b>Licensee Name and Address</b>	Company Name:	
	Distinctive Mark:	
	Legal Representative <sup>1</sup> Name: Address:	
	Engineer in charge <sup>2</sup> :	
	Contact person <sup>3</sup> :	
	Address (in Athens):  P.C.:	
	Tax registration office:	Tax Registration Number:
	Phone Number:	Mobile <sup>4</sup> :
	E-mail:	Fax <sup>5</sup> :
	<b>Station Category</b>	MAIN STATION <sup>6</sup> <input type="checkbox"/> ALTERNATIVE STATION(S) <sup>7</sup> <input type="checkbox"/> 1 <sup>st</sup> <input type="checkbox"/> 2 <sup>nd</sup> <input type="checkbox"/> 3 <sup>rd</sup>
<b>Description of Central Station's site</b>	CENTRAL STATION CODE NUMBER <sup>8</sup> :	
	STREET: CITY/AREA: Tel . number (if available):	NUM: P.C. : PERFECTURE:
	Latitude (*): ° ' " N Longitude (*): ° ' " E	
	Height (ASL)(m): Antenna's height above ground (m) <sup>9</sup> :	
<b>Technical Parameters</b>	Transmitter Bandwidth (Receiver) <sup>10</sup> .....(MHz)	Mode of Operation <sup>11</sup> (select accordingly) TDD <input type="checkbox"/> FDD <input type="checkbox"/> HD-FDD <input type="checkbox"/>
<b>Central Stations Equipment</b>	Model:	Manufacturer:
	Power EIRP <sup>12</sup> : (dBW)	Receiver threshold <sup>13</sup> (BER=10 <sup>-6</sup> ): (dBm)
	C/I <sup>14</sup> :	Total losses <sup>15</sup> : (dB)
	Modulation Scheme <sup>16</sup> :	ETSI Standard <sup>17</sup>
<b>Antenna Parameters<sup>19</sup></b>	Noise Figure <sup>18</sup> : (dB)	Coverage radius: (Km)
	Model:	Manufacturer:
	Max. Gain: (dBi)	Beamwidth (3dB): (deg.)
	Azimuth: (deg.)	Elevation : (deg.)
	Polarization (V/H) <sup>20</sup> :	ETSI Standard <sup>21</sup> :
Cross polar discrimination (XPD) <sup>22</sup> :		(dB)
(*) : All coordinates should be given in the HGS87 system, in a high precision (second at least).		

**SECTION B<sup>23</sup>: TECHNICAL CHARACTERISTICS OF TERMINAL STATIONS CONNECTED TO THE  
AFOREMENTIONED CENTRAL STATION WITH CODE NUMBER<sup>24</sup>.....**

<b>Station Code</b>					
<b>Longitude</b>					
<b>Latitude</b>					
<b>Site Address</b>					
<b>Site Postal Code</b>					
<b>City /Area name</b>					
<b>Prefecture</b>					
<b>Antenna height (ASL) (m)</b>					
<b>Bandwidth (MHz)</b>					
<b>Mode of Operation (TDD,/FDD/H-FDD)</b>					
<b>Equipment Model</b>					
<b>Equipment Manufacturer</b>					
<b>EIRP (dBW)</b>					
<b>Losses (dB)</b>					
<b>Antenna Manufacturer</b>					
<b>Antenna Model</b>					
<b>Antenna Gain (dB)</b>					
<b>Beamwidth –3db (deg.)</b>					
<b>XPD (dB)</b>					
<b>Azimuth (deg.)</b>					
<b>Elevation – (deg.)</b>					

**I hereby declare that the information included in this form is both true and accurate.**

<b>Name</b>	
<b>Date</b>	
<b>Signature</b>	

### **General information –guidelines about this form**

- The applicant should complete all fields of the form, unless otherwise mentioned in the guidelines. Before completing a field, the endnotes should be carefully read. All radiation patterns envelopes of the antennas should be attached to the form(s) where they are mentioned. EETT has the right to reject any incomplete or incorrectly filled in (according to the guidelines) application.
- Within the scope of the current application the following definitions hold: a) Central Station: It is the base station (hub) which is wirelessly connected to the terminal stations b) Terminal Station: The remote station, normally located at the subscriber premises wirelessly connected to the Central Station
- The applicants should limit the number of requested Central Stations to one (1) per prefecture. For every Central Station up to three alternative Central Stations can be proposed. An alternative station may be located to a different site, or may have different technical characteristics (e.g. different antenna azimuth ). For every alternative Central Station a complete application form should also be submitted, describing also the respective terminal stations that would be connected to this alternative Central Station if they were finally licensed.
- All applicants should limit the total number of their radio stations to the absolute minimum necessary to serve the purpose of the requested temporary license.
- In case there is congestion in a prefecture area (i.e. there is a great number of applications within the same geographical area) the maximum frequency bandwidth will be limited to 2×3,5MHz per station.
- Every applicant should limit the number of transceivers to one per Central Station. Every station should use a single beam antenna with a maximum beamwidth of 90 degrees. All applicants shall use antennas with the minimum possible beamwidth. In order to avoid or minimize interference cases, EETT has the right to license a different beamwidth, narrower than the one applied.
- The technical characteristics of all equipment should not be worse than the values reported in ETSI standards EN 302 326 part 1, 2 and 3
- Any questions regarding this form should be addressed to EETT, 60 Kiffissias Avenue, GR-15125, Maroussi, Athens Greece, +30 2106151144(Mr. H. Geronymakis), +30 2106151002 (Mr. F. Maniatis) or to the e-mail address: wi-max@eett.gr.

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- <sup>1</sup> If the applicant is located abroad, he should have at least a legal representative in Greece. In this case full details of the legal representative (Name, Address, phone numbers etc) should be filled in.
- <sup>2</sup> Person responsible for the operation of the stations and for shutting off any stations in the case of interference.
- <sup>3</sup> Any person that can answer questions that might arise during the process of the application form.
- <sup>4</sup> Field can be left blank, but it is recommended to be completed.
- <sup>5</sup> Field can be left blank, but it is recommended to be completed.
- <sup>6</sup> Please tick appropriately in case the particular Central Station is a main or an alternative station.
- <sup>7</sup> If the station is an alternative, please tick on the priority box. (i.e. if this is the first priority then the 1<sup>st</sup> box should be ticked etc)
- <sup>8</sup> This code number is chosen by the applicant and should be unique for all stations applied by the applicant. It is suggested that the code number should not be more than 6 number/letters in length.
- <sup>9</sup> In case the antenna is mounted at the top of a building the antenna height above ground should include the building's height.
- <sup>10</sup> The receiver bandwidth can be noted within brackets in case it is different than the transmitter one.
- <sup>11</sup> TDD: Time division duplex, FDD: Frequency division duplex HD-FDD: Half-Duplex FDD
- <sup>12</sup> Power EIRP (Effective Isotropical Radiated Power). The applicant should calculate the power required, according to the coverage radius of the central station. The fade margin to be used in the calculations should not exceed 10dB. EETT has the right to decrease the licensed maximum transmitted power to the value required to cover the requested service area (according to the requested coverage radius)
- <sup>13</sup> Receiver threshold for BER= $10^{-6}$ . It should be provided by the manufacturer.
- <sup>14</sup> The carrier to interference ratio for a BER= $10^{-6}$  for 1dB threshold degradation. It should be provided by the manufacturer.
- <sup>15</sup> Total losses in dB from the RF unit to the antenna input.
- <sup>16</sup> Modulation schemes: BPSK, QPSK, 16QAM, 64QAM. In case that more than one schemes are supported, the highest order modulation scheme should be mentioned.
- <sup>17</sup> All equipments should conform to the ETSI standards EN 302 326 part 2 and 3 (essential requirements according to Directive 99/5/EC). Standards are mentioned in the equipment manual. In case the field is left blank, or a wrong standard is filled in, EETT will consider that the equipment conforms with ETSI standard EN 302 326(part 1,2, and 3), EN301 744 and EN 301 390.
- <sup>18</sup> The field can be left blank. In this case a noise figure of 6dB will be considered.
- <sup>19</sup> For any antenna mentioned in the form (used by either a Central station or a terminal station) a full radiation pattern envelope should be attached.
- <sup>20</sup> Antenna polarization should be linear either Horizontal (H) or Vertical (V). EETT has the right to grant different polarization than the one applied for, in order to avoid interference cases.
- <sup>21</sup> The field can be left blank if the same information is included in the radiation pattern envelope attached.
- <sup>22</sup> XPD is the Cross Polar Discrimination of the antenna.
- <sup>23</sup> For Section B all endnotes for the relevant fields of Section A are also applicable. In case more columns are needed to describe all terminal stations connected to the Central station, applicants should include more "section B" parts. Declaration can only be completed in the last page.
- <sup>24</sup> The code number of the Central station connected to the terminal Stations should be filled in the field.