How to switch modem band on eWON with Q24

Introduction
The Q24 Wavecom modem is a Quad band modem but it does not switch automatically.
In order to make it switch, a special command must be entered.
This is done in factory but can also be changed by a tricky procedure.
The 2 band ranges selectable here are:

<table>
<thead>
<tr>
<th>Band Range</th>
<th>Region</th>
</tr>
</thead>
<tbody>
<tr>
<td>900E – 1800 MHz</td>
<td>Rest of the world</td>
</tr>
<tr>
<td>850 - 1900 MHz</td>
<td>US</td>
</tr>
</tbody>
</table>

What is the modem type
The hardware modem type must be 14,15,16,17

Modem command
The command used for switching is:

```
AT+WMBS=X
```

With X from this table:

- 0: mono-band mode 850 MHz
- 1: mono-band mode 900 extended MHz (900E)
- 2: mono-band mode 1800 MHz
- 3: mono-band mode 1900 MHz
- 4: dual-band mode 850/1900 MHz
- 5: dual-band mode 900E (extended) / 1800 MHz
- 6: dual-band mode 900E (extended) / 1500 MHz

The modem must be restarted after entering this command.
What is the procedure for switching to 850-1900

Replace the Modem init string by:

```
AT&FE0&D2&C1+IFC=2,2;+CSNS=4;+WMBS=4
```

(currently you only have AT&FE0&D2&C1+IFC=2,2)

Then reboot the eWON. Wait until you have a network. If after 10 minutes you still don't have a network, reboot once more and wait for network again.

Once you have the network, try the communication.

+WMBS=4 will select the 850/1900MHz,

The default WMBS value is 5.
The modem must be restarted after entering this command.