

Two Classes of Downstream Frequency Band

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Proposal

If it is difficult to support a frequency band of up to 2.6 GHz from an economic viewpoint, two classes of frequency band should be standardized for the downstream direction.

The candidates of the two band classes are as follows :

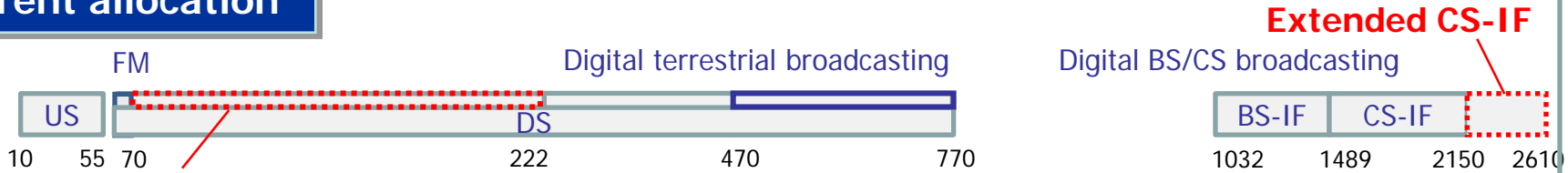
- Class A : 70 – 1000 MHz
- Class B : 70 – 2610 MHz

Background

There are operators who do not have available frequency band for EPoC in less than 1000 MHz. In order to resolve the problem and to enhance bandwidth scalability, it would be desirable to include a high frequency band of up to 2.6 GHz in EPoC standard.

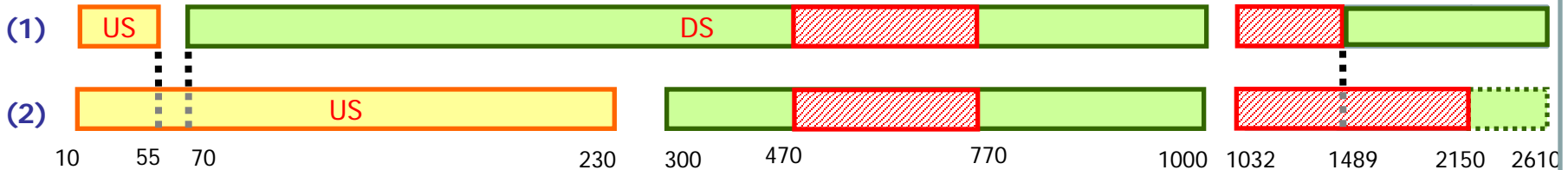
Ref. : Candidates of Frequency Allocation

Current allocation



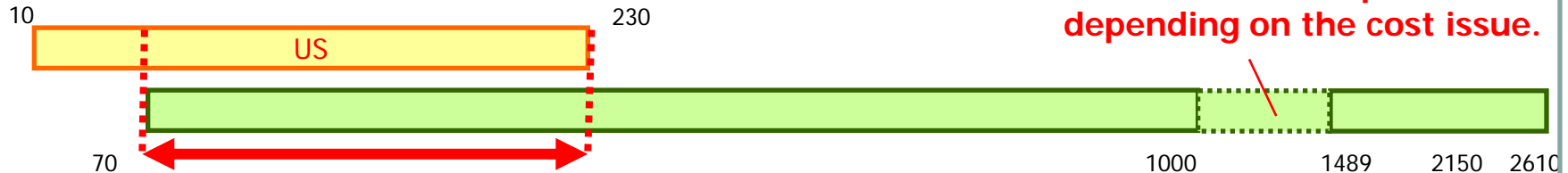
This band is tentatively used for digital TV migration until March, 2015.

Candidates for EPoC



The desired band to include all the candidates is shown in the following figure.

Desired band for EPoC



It is desirable that both transmitters for US and DS support the frequency band.

Source : http://www.ieee802.org/3/bn/public/mar13/tanaka_3bn_01a_0313.pdf