

Two Classes of Downstream Frequency Band

Naoki Agata

Keiji Tanaka

KDDI R&D Laboratories Inc.

Proposal

If it is economically difficult to support a higher frequency band up to 2.6 GHz, two classes of downstream frequency band should be standardized.

The candidates of the two band classes are as follows :

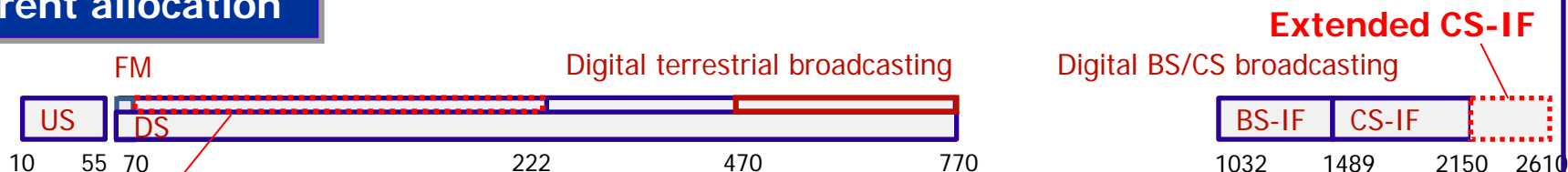
- Class A : 70 – 1000 MHz
- Class B : 70 – 2610 MHz

Background

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

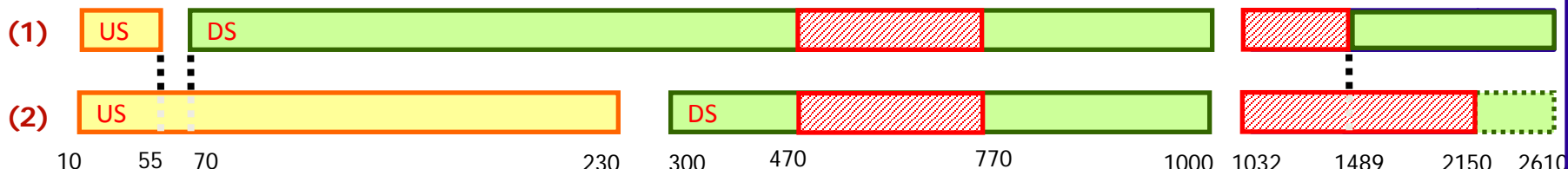
【Ref.】 Proposal in the last March meeting

Current allocation



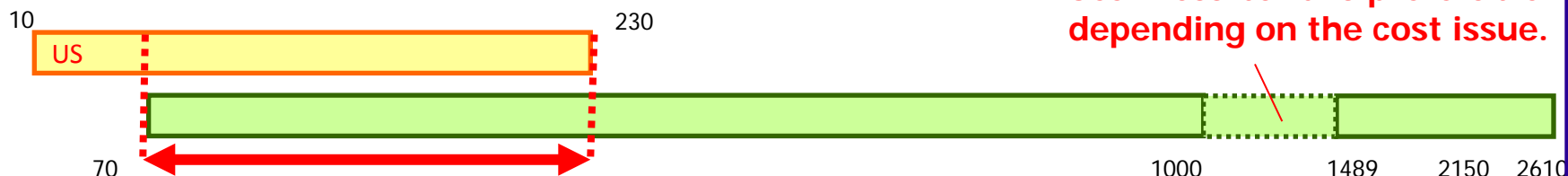
This band is tentatively used for digital TV migration until March, 2015.

Candidates for EPoC



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

Desired band for EPoC



Seamless band is preferable depending on the cost issue.

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