

Source: CCSA

Title: Way to solve the dispute on bands of 1900-1920MHz and 2010-2025MHz

Agenda item: 4.2

Document for:

Decision	X
Discussion	
Information	

Introduction

The discussion on the bands use for 1900-1920MHz, and 2010-2025MHz was raised at recent RAN#29 meeting. There existed severe dispute between regions on this issue. Considering the cooperation in 3GPP, this issue should be treated carefully.

Discussion

1. The 3G industry development

The core band for IMT-2000 had been recommended by ITU for a long time. More than 130 operators have got licenses in these bands. Many countries have already allocated TDD bands in their 3G licenses; some countries are planning to do it. 3GPP took great efforts to FDD and TDD relevant technical specifications. The manufacturers developed the products complying with these specifications, and just begin to deploy the 3G services. The industrialization of 3G is in its critical period, changing of the spectrum allocation in some region can make great influence and add more uncertainties to present industry.

2. The cooperation between 3GPP organization partner

3GPP is a collaborative activity in the form of partnership project. The OPs have agreed to cooperate in the production of globally applicable technical specifications for 3G.

UTRA FDD and UTRA TDD are the 3G specifications results from the cooperation between 3GPP OPs. To ensure the global success of 3GPP and 3G industries, it is inappropriate changing the core frequency bands in any country or region at present stage.

We have no problem for the 3GPP agreement on regional requirement. The question is when OPs have different views or this requirement is conflict with or impact other region, how to handle it? As a partnership project, it should be coordinate in PCG and OP level and make effort to get consensus.

3. Global harmonization of frequency

The core frequency band of 3G recommended by ITU is harmonized among main regions all around the world. This is a huge achievement in the history of spectrum allocation.

Based on the requirement of global roaming and lower cost of R&D, the global harmonization of frequency band for cellular mobile communications is not only a basic principle of ITU, but also a basic principle of 3GPP.

In the related contribution, it was mentioned that the band of 1900-1920MHz, and 2010-2025MHz might be Up-link options whereas 2500-2690MHz to be the down link option. However, the arrangement of band 2500-2690MHz is up to now not approved in ITU-R for M.1036, and there is no any discussion on the core bands (1900-1920, 1920-1980MHz, 2010-2025, 2110-2170MHz etc.) of IMT-2000,

Proposal

The technical research work on new spectrum (e.g.2.5-2.6GHz) is encouraged. Considering the success of 3G industry and 3GPP, especially the cooperation between partners in 3GPP, we proposed that no further discussion and no action in 3GPP on changing the use of 3G core-band 1900-1920MHz and 2010-2025MHz before ITU WRC-07.