

Source: ARIB
Title: Revised CRs for DS-CDMA introduction in the 800 MHz band
Agenda item: 8.1.4
Document for: Approval

Introduction

This document proposes the frequency band description for Band VI in the CRs already submitted in RAN4 on WI: DS-CDMA introduction in the 800 MHz band according to current status in Japan.

RAN4 status

In RAN4#28, several CR's, [1], [2] and [3], were proposed corresponding to "DS-CDMA introduction in the 800MHz band" work item. In the CRs, 830-840MHz for UL and 875-885MHz for DL were assumed as frequency band for Band VI and described with square brackets since the common understanding has not been gained in the industry in Japan at that time.

Regarding the CRs, our understanding is that no particular issue was raised, except channel numbering scheme, UE reference sensitivity level, blocking characteristics and intermodulation characteristics which would be further discussed at the next RAN4 meeting. Because of the frequency band description, the CRs were simply noted.

Finally it was concluded in RAN4#28 that TSG RAN plenary would decide on how to proceed with these three CRs. And then, only CRs on frequency band numbering, [4], [5] and [6], were agreed to submit to RAN plenary for approval.

Status in Japan

Actual frequency band for W-CDMA would be allotted by Japanese regulatory authorities based on the technical discussion held in Japanese telecommunications council on 800MHz band frequency arrangement for W-CDMA. However, the interested members of ARIB have shared understanding that a part of frequency band, 830-840 MHz for uplink and 875-885 MHz for downlink, is a promising candidate to be allocated for W-CDMA considering the study results of the council.

Proposals

Taking into account the above status in Japan, it is proposed to remove the square brackets for frequency band descriptions of the CRs, [1], [2] and [3]. The revised CRs in [7] are submitted for approval in RAN#21. Additionally, note is added in the revised CRs to clarify that actual frequency band is subject to the allotment of corresponding regulatory authorities.

References:

- [1] R4-030690 “DS-CDMA introduction in the 800MHz band”, CR-268 for TS25.101 (V6.1.0)
- [2] R4-030691 “DS-CDMA introduction in the 800MHz band”, CR-194 for TS25.104 (V6.2.0)
- [3] R4-030692 “DS-CDMA introduction in the 800MHz band”, CR-303 for TS25.141 (V6.2.0)
- [4] R4-030835 “Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850”, CR-271 for TS25.101 (V6.1.0)
- [5] R4-030836 “Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850”, CR-200 for TS25.104 (V6.2.0)
- [6] R4-030837 “Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850”, CR-319 for TS25.141 (V6.2.0)
- [7] RP-030515 “Frequency bands for UMTS1.7/2.1, UMTS850 and DS-CDMA 800; Frequency bands for UMTS1.7/2.1, UMTS800 and UMTS850”, CR-271r1 for TS25.101 (V6.1.0), CR-200r1 for TS25.104 (V6.2.0), CR-319r1 for TS25.141 (V6.2.0)