

OUR REF: 2007/286 /2564



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21 September B.E. 2564 (2021)

Dear Sir,

Subject: Coordination Parameters for the Frequency Band 2600 MHz

Reference is made to the Agreed Minutes of the 3rd Joint Technical Committee on Coordination and Assignment of Frequencies along Thailand – Myanmar Common Border Meeting (JTC-3) regarding the exchange of information and preliminary understanding on the 2600 MHz band between Thailand and Myanmar.

As JTC-4 Meeting was postponed due to the ongoing COVID-19 outbreak and as the 2600 MHz band has been gradually utilized by Thailand's mobile operators since the spectrum auction was successfully completed in February 2020, we would like to exchange current information and propose new coordination parameters to prevent future interference issues.

In this respect, it would be highly appreciated if PTD and the relevant Myanmar's mobile operators can consider our proposal as appeared in the attachment and we look forward to your response on this matter.

Yours sincerely,

Saneh Saiwong

Principal Engineering Expert
for Secretary General

The Director General
Posts and Telecommunications Department
Ministry of Transport and Communications
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Attachment: 1

**Proposal on the Coordination Parameter for 2600 MHz Band
along Thailand - Myanmar Common Border
(September 2021)**

1. Introduction

In February 2020, Thailand had successfully auctioned the 2600 MHz band with two new mobile operators using the TDD Band Plan. The current frequency arrangements for Thailand and Myanmar's 2600 MHz are as follows:

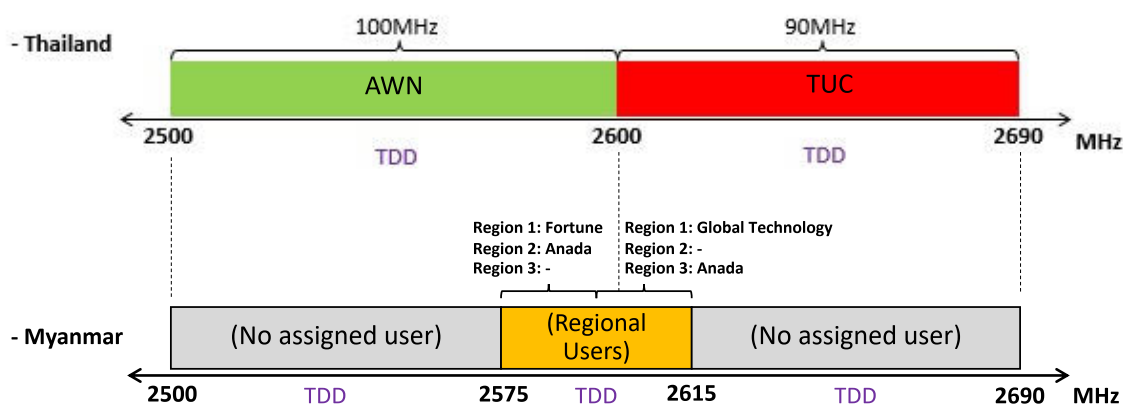


Figure 1: Current frequency arrangement for 2600 MHz band in Thailand and Myanmar

2. Proposals

For the frequency arrangement shown in figure 1, as both countries now implemented TDD Band Plan for 2600 MHz, Thailand would like to propose coordination parameters based on ECC Rec. (11)05 and ECC Rec. (14)04 depending on whether Thailand's and Myanmar's networks are synchronized.

	ECC Rec. (11)05	ECC Rec. (14)04
System	TDD (System synchronized)	TDD (System without synchronized)
Recommended Field Strength at 3m above ground	65 dB μ v/m/5 MHz @ 0 km from border	30 dB μ v/m/5 MHz @ 0 km from border
	49 dB μ v/m/5 MHz @ 6km from border	
Converted Received power	- 80.6 dBm/5 MHz @ 0 km from border	- 114.4 dBm/5 MHz @ 0 km from border

As exchanged in JTC-3 Meeting, with regards to synchronization, Thailand's mobile operators had implemented their 2600 MHz networks using the following configurations:

(a) Synchronize clock signal of base stations along the common border area with the Global Positioning System (GPS) or other systems' signal that can be converted to GPS time scale.

(b) Use the following common frame structure (TDD-LTE Configuration 2):

Technology	Sub-Carrier Spacing (kHz)	Sub-frame Ratio (Downlink* : Uplink)
LTE	15	4:1
NR	30	8:2

* Downlink includes special sub-frame during transition from downlink to uplink

3. Conclusion

Myanmar is invited to:

1. consider the proposed coordination parameters to prevent possible interference cases along the border in the future.
2. exchange current information regarding the 2600 MHz band especially the results of the public consultation conducted on this band and the current configuration as well as any future plan for assignment.

Thailand is ready to accommodate online meetings with all relevant stakeholders to further discuss this issue, if necessary.