

สำนักงานคณะกรรมการกิจการกระจายเสียง กิจการโทรทัศน์ และกิจการโทรคมนาคมแห่งชาติ

The National Broadcasting and Telecommunications Commission

FUTURE SPECTRUM REQUIREMENTS ESTIMATE FOR TERRESTRIAL IMT (Report ITU-R M.2290)





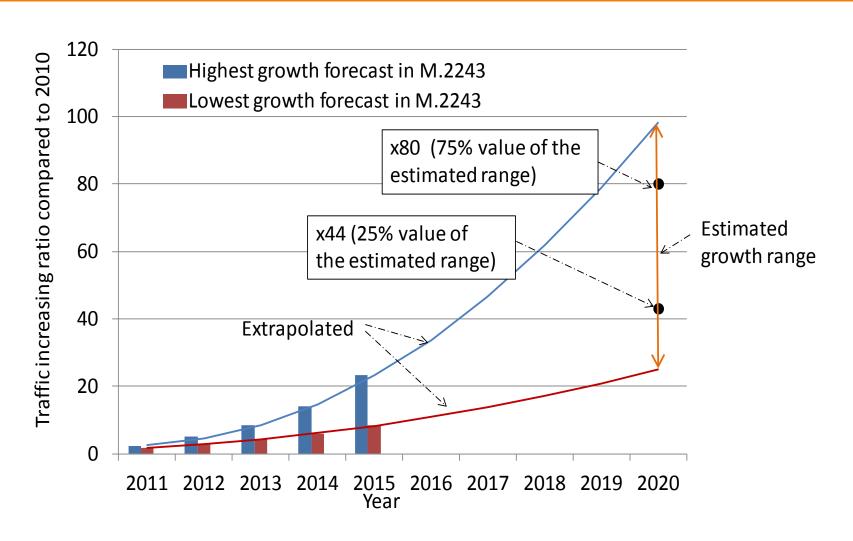
The National Broadcasting and Telecommunications Commission

- ☐ Estimation of traffic volumes
- ☐ Estimation of spectrum requirements
- ☐ Current situation in Thailand

Estimation of Traffic volumes



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Estimation of Spectrum Requirements



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Settings	Total spectrum requirements for RATGs 1 and 2 in the year 2020
Lower user density settings	1 340 MHz
Higher user density settings	1 960 MHz

Note: RATG 1 means pre-IMT, IMT-2000, and its enhancements.

RATG 2 means IMT-Advanced.

National Estimation of Spectrum Requirements

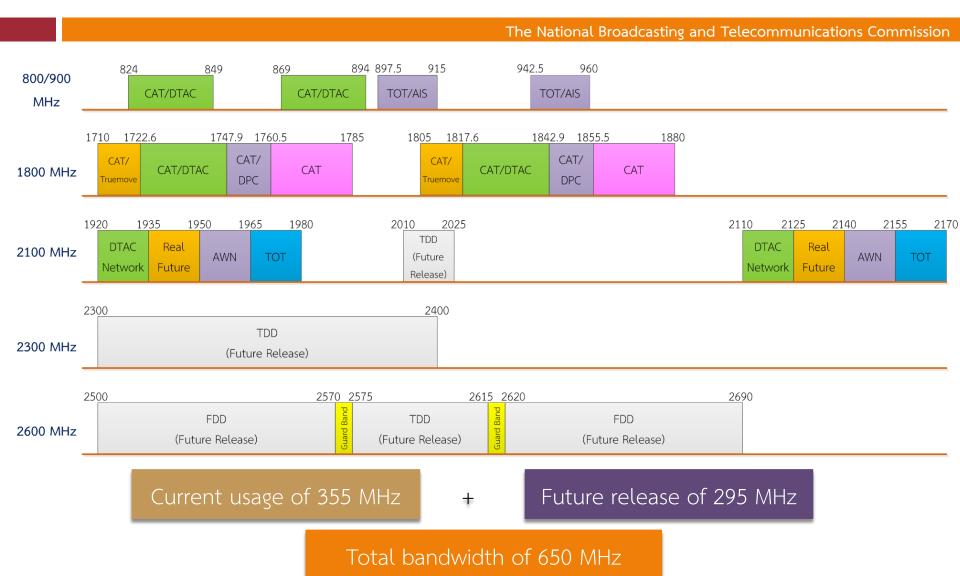


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Source	US	Australia	Russia	China	India	UK
Estimation	Until 2014	Until 2020	2020	2015, 2020	2017, 2020	2020
year						
Spectrum	Additional	Total requirement	Total requirement	Total requirement	Additional	Total
requirements	requirement of	of 1 081 MHz	of 1 065 MHz	of 570-690 MHz	requirement of	requirement of
i i	275 MHz by			(by 2015)	300 MHz by	775-1 080 MHz
	2014				2017	for the low
						demand
						setting
		(Additional	(Additional	Total requirement	Additional	Total
		requirement of	requirement of	of 1 490-	requirement of	requirement of
		300 MHz by 2020)	385 MHz by 2020)	1 810 MHz	another	2 230-2 770
				(by 2020)	200 MHz by	MHz for the
					2020	high demand
						setting

Current situation in Thailand





Future Spectrum Requirements



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	Total spectrum			
	requirements for	Future spectrum		
Settings	RATGs 1 and 2	requirements for		
	in the year 2020	Thailand		
	(ITU)			
Lower user density	1 240 MII-	690		
settings	1 340 MHz			
Higher user density	1 060 141-	1 310		
settings	1 960 MHz			

Note: RATG 1 means pre-IMT, IMT-2000, and its enhancements.

RATG 2 means IMT-Advanced.



Thank you

Spectrum Management Bureau

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