

Current Status of IMT Spectrum Assignment and Allocation in Myanmar

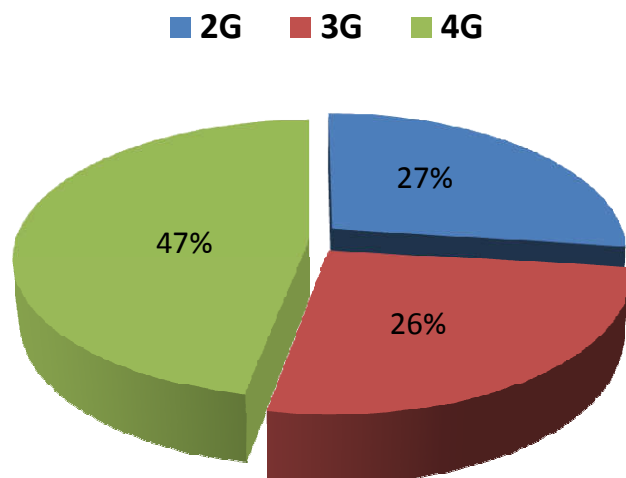
October, 2022

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Mobile Technology Penetration in Myanmar





Mobile Technology Penetration



Source : Operators reports to PTD, July 2022

Mobile Technology	Subscribers	Penetration Rate
2G	15.73 Million	27%
3G	15.06 Million	26%
4G	27.28 Million	47%
Total	58.07 Million	

Current Status of IMT Spectrum Assignment in Myanmar

Technology Neutral and Service Neutral	MHz				
	2600	75 MHz (Available)	TDD 20 MHz (Fortune Co., Ltd, Amara Co., Ltd)	TDD 20 MHz (Global Co., Ltd, Amara Co., Ltd)	75 MHz (Available)
	2100	15+15 MHz (FDD) 3G/4G	15+15 MHz (FDD) 3G/4G	15+15 MHz (FDD) 3G/4G	15+15MHz (FDD) 4G
	1800	20+20 MHz (FDD) 4G	20+20 MHz (FDD) 4G	20+20 MHz (FDD) 4G	15 + 15 MHz (FDD) 2G/4G
	900	10+10 MHz (FDD) 2G/3G	7.2+7.2 MHz (FDD) 2G/3G	7.2+7.2 MHz (FDD) 3G	7.8+7.8 MHz (FDD) 2G/4G
	800	6.25 +6.25 MHz (FDD) CDMA			
	450	3.75 + 3.75 MHz (FDD) CDMA			
	Total	110 MHz	84.4 MHz	84.4 MHz	75.6 MHz

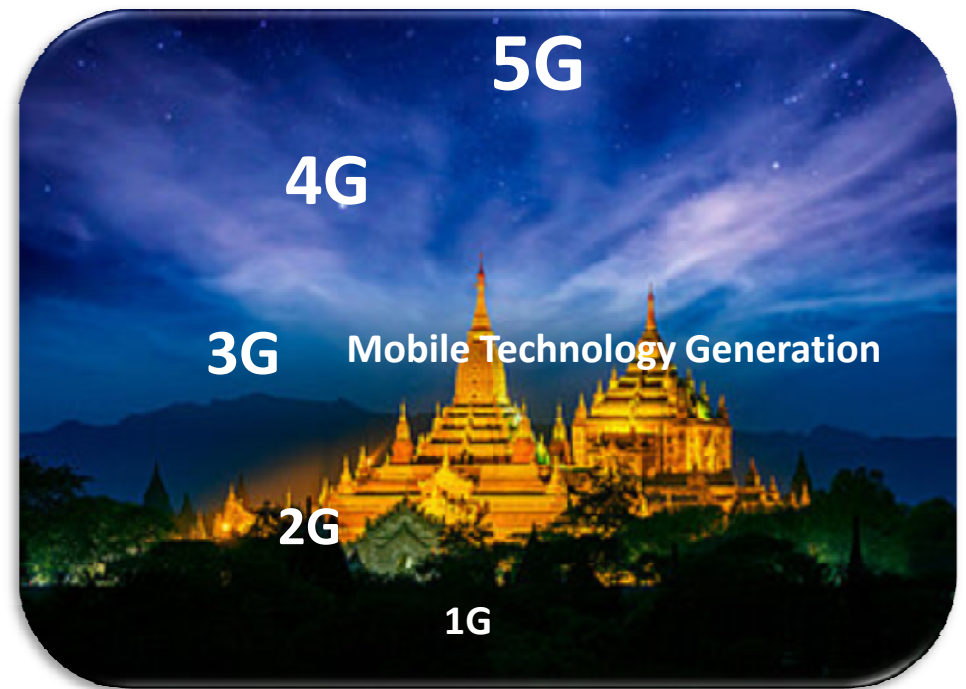
5G Preparation

5G Testing have done in the following frequency bands;

- C Band (3.4 – 3.5 GHz)
- 2600 MHz

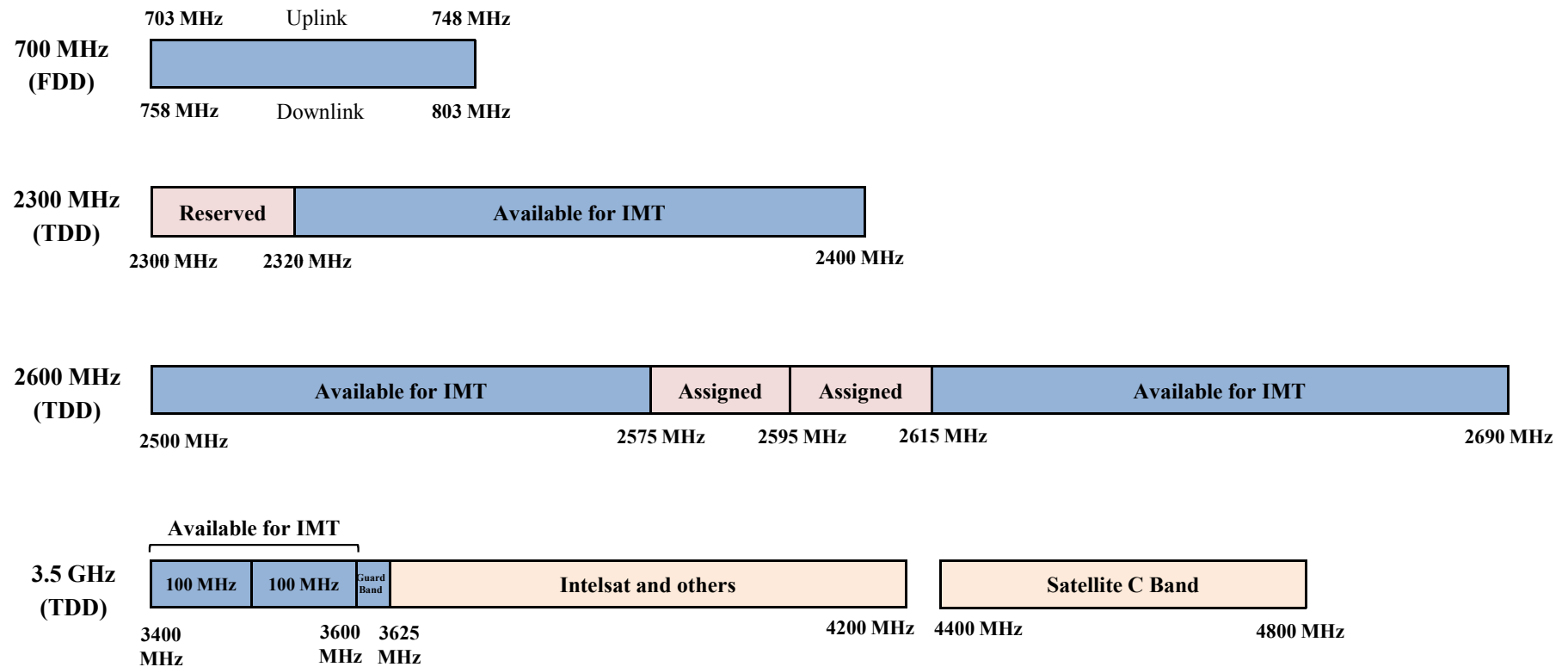
Purposes

- To test spectrum sharing between IMT and FSS
- User Experience and Network Performance (Speed, Latency, coverage,...)
- Interference matters



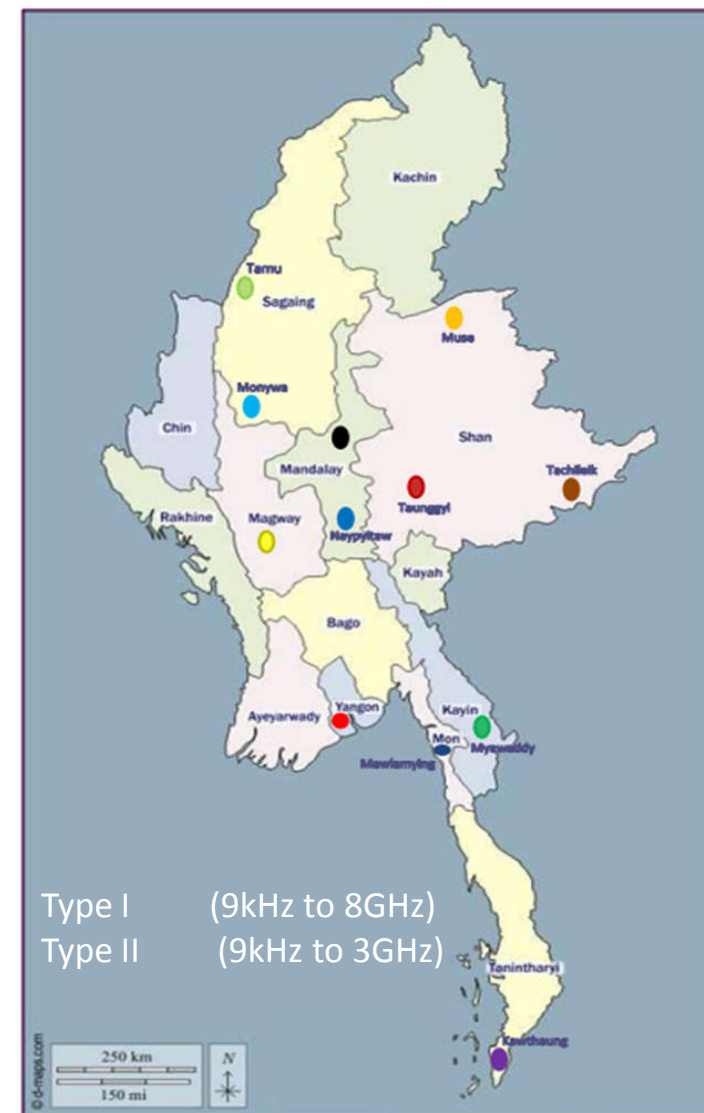
Future IMT Spectrum Allocation in Myanmar

Status of future IMT Spectrum including 5G candidate bands.



Fixed Monitoring Stations' location in Myanmar

No.	Fixed Monitoring Station	Frequency Range
1	Yangon Type I, Toekaungalay	9 kHz – 8 GHz
2	Yangon Type II, Ahlone	9 kHz – 3 GHz
3	Yangon Type II, Shwepyithar	9 kHz – 3 GHz
4	Mandalay Type I, Pyigyitagong	9 kHz – 8 GHz
5	Mandalay Type II, Inland Water Dept.	9 kHz – 3 GHz
6	Mandalay Type II, Yinpyan	9 kHz – 3 GHz
7	Myawaddy Type I	9 kHz – 8 GHz
8	Kawthaung Type I	9 kHz – 8 GHz
9	Tamu Type I	9 kHz – 8 GHz
10	Tachileik Type I	9 kHz – 8 GHz
11	Magway Type I	9 kHz – 8 GHz
12	Mawlamyine Type I	9 kHz – 8 GHz
13	Muse Type I	9 kHz – 8 GHz
14	Naypyitaw Type I	9 kHz – 8 GHz
15	Monywa Type I	9 kHz – 8 GHz
16	Taunggyi Type I	9 kHz – 8 GHz



Thank You