OML Spectrum Roadmap

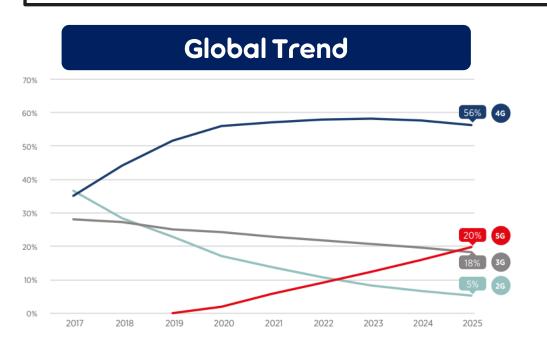




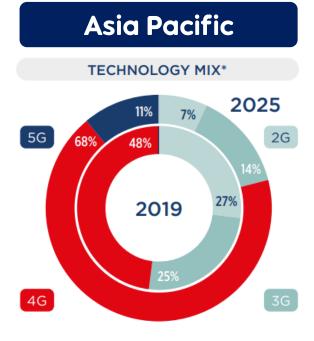
12th May 2021

GSMA Forecast (4G dominates as 5G begins to make its mark)

- ☐ Globally 4G will be in slight declining trend but still dominate market with 56% compared to 20% of 5G penetration by 2025.
- \square In Asia Pacific, 4G will continue dominating the market with 68% of total connections by 2025.
- ☐ Spectrum assignment should be balanced with the real demand in Myanmar to ensure efficient investment of Capital









LTE FDD & TDD MM Device Ecosystem

	LTE TDD Band	% of Total Devices	% of 1800MHz Devices
	2300 MHz Band 40	71%	95%
	2600 MHz Band 41	63%	84%
•	800 MHz Band 20	38%	50%
	700 MHz Band 28	30%	39%

- ☐ The proposed release of 2600MHz prior to 2300MHz is not aligned with the regional allocation since this spectrum has already been released in several ASEAN countries.
- □ 4G LTE 2300 MHz capable device penetration (71% of total devices and 95% of 1800 MHz devices) and fast-tracking, the release of 2300MHz spectrum prior to the 2600MHz will have an immediate impact on existing Myanmar consumers.
- □ OML propose the release of 2300MHz first which will also minimize the risk of reducing the valuation of this spectrum which would be likely if released after the 2600MHz allocation.



Initial Ooredoo Myanmar Limited Proposed Spectrum Roadmap



2022

2023

2024

2025

Release the capacity spectrum 2.3GHz nationwide to all MNOs

- Address capacity issues due to the exponential traffic growth in 4G.
- Higher 4G penetration

Release nationwide remaining capacity layers which can be used for 5G.

- 3.5GHz spectrum with a minimum of 120MHz (2 blocks of 60 MHz).
- 2.6GHz spectrum with a minimum of 100MHz (2 blocks of 50 MHz). No regional allocation for 2.6GHz.
- With this approach all MNOs can secure at least 50MHz carrier bandwidth to support 5G deployment.

Release nationwide mmWave spectrum & Coverage layer,

- 28 GHz mmWave spectrum with a minimum of 400MHz (4 blocks of 100MHz). Utilize for FWA & IAB (backhauling)
- 700Mhz coverage spectrum.
 Ecosystem will be developed by late
 2022

Updated Ooredoo Myanmar Limited Proposed Spectrum Roadmap

2021 2022

2023

2024

2025



Thank you

OOCE dOO

