



EACO WRC Briefing

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Coverage and Cost

WRC-23 can provide solutions to long-standing problems

Coverage

90%



of the world's population is covered by Mobile Broadband

Mobile Broadband now connects around

4BN

PEOPLE TO THE INTERNET



Usage Gap

4BN

MORE PEOPLE ARE NOT CONNECTED BUT



3.3BN

LIVE WITHIN MOBILE BROADBAND COVERAGE



WRC-23: Spectrum Needs of 5G

Harmonising for cost efficiency and coverage

Low-band

Agenda Item 1.5 considers
470-960 MHz

Mid-band

3300-3800 MHz
4800-4990 MHz
6425-7125 MHz

**Capacity bands
(R2 only)**

10-10.5 GHz can add to
existing mmWave capacity



What the GSMA is Working on

WP 5D

- Agenda Item 1.2 – 3.3-3.4 GHz and 6 GHz- characteristics ahead of studies
- Agenda Item 1.5 - 470-960 MHz mobile spectrum use and needs
- Article 21.5 review
- Guidance on compatibility between IMT and MSS in 1518-1525 MHz

SG 5

- Agenda Item 1.3 and 3.6-3.8 GHz
- Issue 9.1.c – Fixed IMT (ad hoc group between 5A and 5C)
- Discussion on 4.8-4.99 GHz (Agenda Item 1.1)

TG 6/1

- Agenda Item 1.5 - 470-960 MHz
- Start of technical studies
- Review of spectrum use and needs from 5D and 6A

PLEASE CONTACT RBATESON@GSMA.COM FOR FURTHER INFO



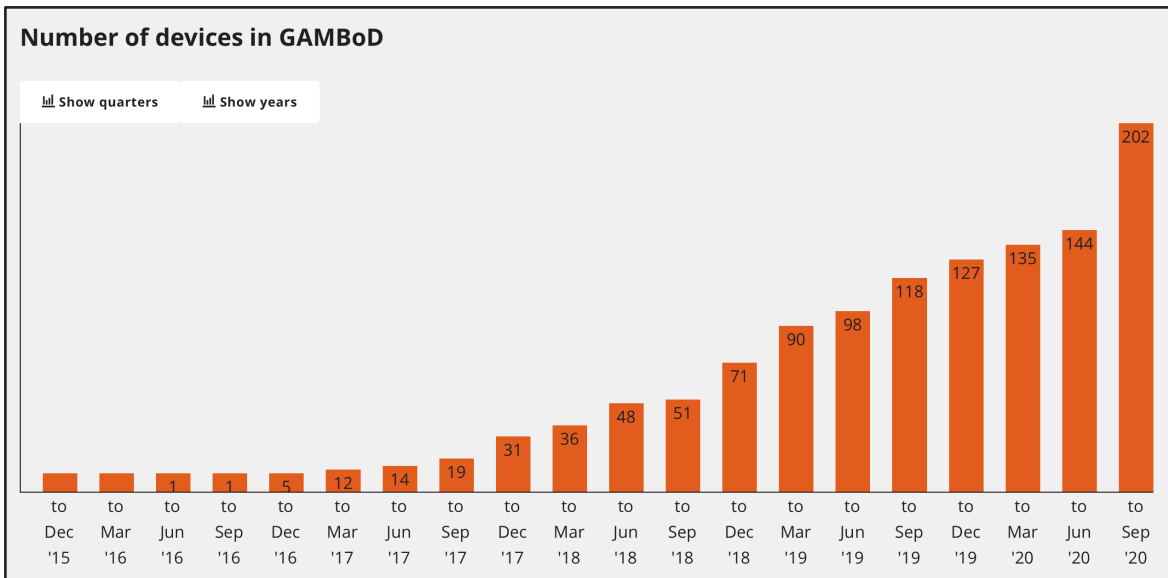
1500 MHz Takes off in 2020

1427-1518 MHz range providing sub 2-GHz capacity relief



2000

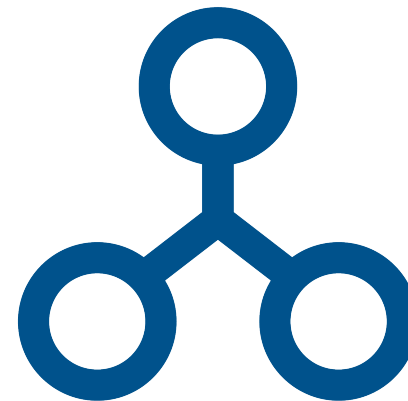
DEVICES USING
1500 MHz BY
Q3 2020



1500 MHz sites
have
throughput
increase of



125- 135%



2020: 10 countries
with confirmed
assignments /
launches; 15 more
consulting