

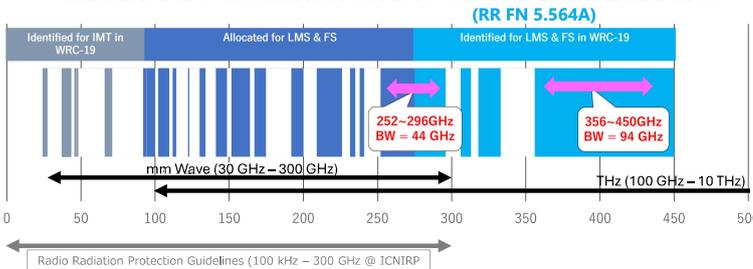
# THz wireless transmission for mobile backhaul

## Overview

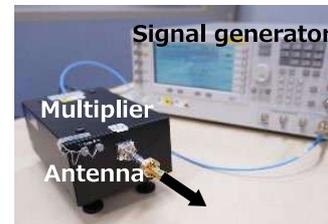
- ✓ R&D for high-speed wireless communications in the Beyond 5G
- ✓ Standardization activities for the THz frequency band
- ✓ Uncompressed 4K video transmission utilizing wide bandwidth

### Standardization activities of the THz bands

- ITU-R : Frequency identification for FS/LMS
- IEEE802 : Establishment of IEEE 802.15.3d



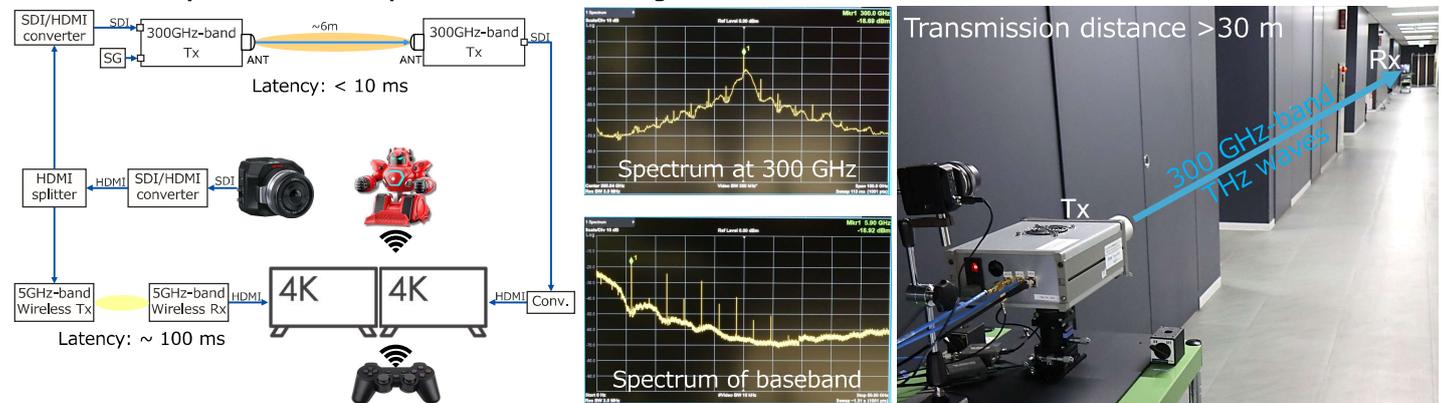
### Accelerating the R&D in the THz bands



Calibration technology for license application in radio anechoic chamber for B5G

### R&D for application of THz-bands

#### Transmission system for uncompressed 4K video using the 300 GHz-band



## Use Cases

- Next-generation wireless communication exceeding 100 Gbps using the THz-band
- Short-distance and ultra-spot high-speed/high-capacity wireless communication
- High-definition, real-time video transmission



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