



Compliance Verification/ Measurement Methods for Part 30 Devices

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Summary of Technical Rules

● Part 30

- Transmit Power
 - The average power of the sum of all antenna elements is limited to a maximum EIRP or EIRP Density of
 - +75 dBm/100 MHz (Fixed and Base Stations)
 - +43 dBm (Mobile Stations)
 - +55 dBm (Transportable Stations)
 - For fixed P2P or PMP, the maximum allowable EIRP is as specified in §30.405
- Out of Band Emission (OOBE)
 - The conductive power or the total radiated power of any emission outside a licensee's frequency block
 - - 5 dBm/MHz (in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth)
 - -13 dBm/MHz or lower (Elsewhere)
 - For fixed P2P or PMP, the mean power of emissions must be attenuated below the transmitter mean output power in accordance with the schedule in §30.404(a)



Compliance Verification Methods

- Standardized Test Procedures are currently being developed by ANSI C63 Millimeter Wave Joint Task Group (mmW JTG)
 - TRP measurement procedure is in its final stage
- In the interim, the FCC will continue to approve devices on case-by-case basis
 - The interim test methods require a thorough technical review of manufacturer's design