

90.203 Spectrum Efficiency

Applications for part 90 certification of transmitters designed to operate on frequencies in the 150-175 MHz and/or 421-512 MHz bands, received on or after February 14, 1997, must include a certification that the equipment meets a spectrum efficiency standard of one voice channel per 12.5 KHz of channel bandwidth. Additionally, if the equipment is capable of transmitting data, has a transmitter output power greater than 500 mW, and has a channel bandwidth of more than 6.25 kHz, the equipment must be capable of supporting a minimum data rate of 4800 bits per second per 6.25 kHz of channel bandwidth.

The EUT was operated at 9600 baud rate (4800 bits/second). A plot of the data is shown on the next page. The data shows the device complies with the requirements for this Part.

APPLICANT: KP ELECTRONIC SYSTEMS LTD.
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