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IP-OFDMA Base Station Masks 5 and 10 MHz

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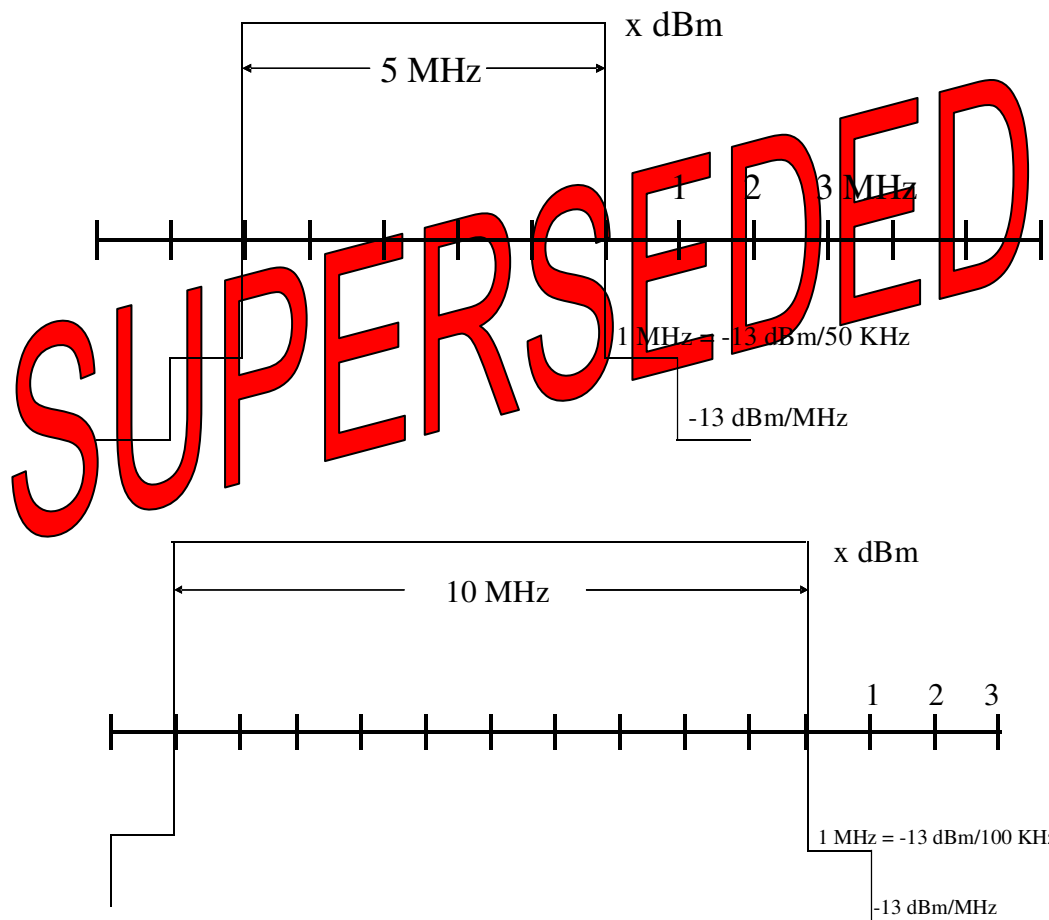
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IP-OFDMA Base Station Masks 5 and 10 MHz:

For IP-OFDMA base stations, the attenuation shall be not less than $43 + 10 \log (P)$ dB, where P is transmitter power in Watts. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points which all emissions are attenuated at least 26 dB below the transmitter power.



Spectrum emission mask values, BS – 5 MHz

Frequency offset from center Δf	Requirement Band VII	Measurement bandwidth
$2.5 \leq \Delta f < 3.5$ MHz	-13 dBm	50 kHz
$3.5 \leq \Delta f < 12.5$ MHz	-13 dBm	1 MHz

Spectrum emission mask values, BS – 10 MHz

Frequency offset from center Δf	Requirement Band VII	Measurement bandwidth
$5 \leq \Delta f < 6$ MHz	-13 dBm	100 kHz
$6 \leq \Delta f < 25$ MHz	-13 dBm	1 MHz

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