From: LabHelp [mailto:LabHelp@fcc.gov]
>Sent: Thursday, September 16, 2004 8:07 AM
>To: gregs@wll.com
>Subject: RE: Part 25.202(f) emission mask
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>QUESTION:
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>Is it acceptable to show compliance with Part 25.202(f) using a
>resolution bandwidth of 300Hz (>1% of Occupied Bandwidth) for this
>signal since the authorized bandwidth is only 10kHz?
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>ANSWER:
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>Since Section 25.202(a)(1) states that precise frequencies and
>bandwidths will be assigned on a case-by-case basis, then we may not
>know what the authorized bandwidth will be; even at the time of
>equipment authorization filing, that is unless the application for
>station license was already applied for and authorized bandwidth
>assigned by the FCC.
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>Regardless of this, we will assume for the sake of argument, that the
>equipment in question is authorized a 10 kHz bandwidth. Indeed the 4 kHz
>band value specified in 25.202(f), used to determine compliance with the
>emission mask, is much to large of a RBW setting on the analyzer to
>perform this testing. It appears that the rule was written under the
>assumption that most transmissions in these bands would be broadband,
>compared to your 10 kHz narrow band signal. Therefore we suggest that
>the emission mask may not be applicable in this case. You have the
>option of submitting the mask plots using the 300 Hz RBW setting to show
>compliance with 25.202(f).