

From: Greg Durgin <durgin@mprg.ee.vt.edu>
To: K5DOM.K5PO1(CHUIE)
Date: Tue, Jun 29, 1999 4:12 PM
Subject: Re: question re 192-EX-ST-1999

An American defense contractor is working on the development of a very wideband mobile radio for use by the military. The center frequency will be somewhere between 1.8-2.0 GHz. This company has a sponsored project with our state university to measure the radio channel over a 200 MHz bandwidth close to these carrier frequencies.

Thanks,

Greg

>This band is now allocated for mobile-satellite service. What is need for terrestrial propagation tests?

>

>>>> Greg Durgin <durgin@mprg.ee.vt.edu> 06/29 3:58 PM >>>

>

>

>Carl:

>

>We are preparing to take measurements in this band using our spread spectrum channel sounder (GXX signal designator, I think). The probing waveform for this

>device requires +200 MHz of contiguous bandwidth to operate at maximum efficiency.

>

>Since the transmit power is relatively low (<10 dBW ERP) and the power is spread

>over 200 MHz of bandwidth, there should be no risk of interference.

>

>This 200 MHz is critical to our research, although the exact range is not so critical. Any contiguous band greater than 200 MHz (and larger if possible) from 1700-2200 MHz would work. I just know that we have licensed that particular 1990-2200 MHz band in past STA's.

>

>Thanks!

>

>Greg Durgin

>

>

>>Date: Tue, 29 Jun 1999 15:51:15 -0400

>>From: "Carl Huie" <CHUIE@fcc.gov>

>>To: internet:gdurgin@vt.edu

>>Subject: question re 192-EX-ST-1999

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>id PAA08692

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>>Please justify requirement to operate in 1990-2200 MHz band.

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Handwritten notes:
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