

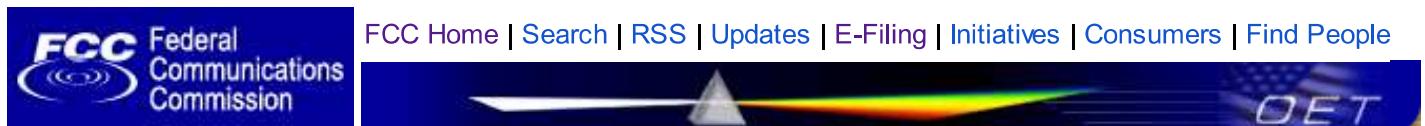


Kachayev, Anton <akachayev@signalcraft.com>

## Response to Inquiry to FCC (Tracking Number 624197)

[oeitech@fccsun27w.fcc.gov](mailto:oeitech@fccsun27w.fcc.gov) <oeitech@fccsun27w.fcc.gov>  
To: akachayev@signalcraft.com

Wed, Nov 14, 2012 at 4:23 PM



### Office of Engineering and Technology

#### Inquiry on 11/06/2012 :

##### Inquiry:

Dear Sir or Madam,

Please refer to my request in the attached letter for interpretation of Part 15.247 as relates to the definition of the occupied bandwidth. Please contact me if you require further elaboration. I will appreciate your judgment on the raised issue.

Sincerely,

Anton Kachayev P.Eng.  
Design Engineer

SignalCraft Technologies Inc.  
6815 - 8 Street N.E., Suite 295  
Calgary, Alberta, Canada  
T2E7H7

Tel:  [\(403\)275-3883 x113](tel:(403)275-3883)  
Fax:  [\(403\)295-3685](tel:(403)295-3685)  
Email: [akachayev@signalcraft.com](mailto:akachayev@signalcraft.com)

#### FCC response on 11/14/2012

The occupied bandwidth is an acceptable alternative for demonstrating compliance to the FCC bandwidth requirements/limits. Part 2.1049 actually specifies the measurement of OBW for demonstrating compliance. At the time that the subject procedure was written, the determination of the OBW by measurement was relatively difficult since the measurement equipment of the time did not offer the computational capability that has become standard in contemporary analyzers. As such, the -20 dB emission bandwidth was deemed to be a simpler methodology for approximating the OBW.

#### Attachment Details:

[A pdf file of the letter with the background of the request for interpretation](#)

Do not reply to this message. Please select the [Reply to an Inquiry Response](#) link from the OET Inquiry System to add any additional information pertaining to this inquiry.