

## John Kennedy

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**From:** Uli Bieg, TU Darmstadt [bieg@geo.tu-darmstadt.de]  
**Sent:** Monday, February 05, 2007 8:59 AM  
**To:** John Kennedy  
**Subject:** Re: FCC File # 0893-EX-ST-2006

Dear Mr. Kennedy,

I hope that the email from GSSI will provide the necessary data.  
The SIR 2000 and SIR 3000 are the processing units (like normal PCs).

Best wishes,  
Uli Bieg

Hello Uli-  
Hopefully this will help out.

Dan Welch  
Training Manager, Archaeologist  
Geophysical Survey Systems, Inc.  
12 Industrial Way  
Salem, NH 03079

voice: 603-893-1109  
fax: 603-889-3984

email: [welchd@geophysical.com](mailto:welchd@geophysical.com)

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**From:** Alan Schutz [<mailto:alan.s@geophysical.com>]  
**Sent:** Monday, February 05, 2007 8:41 AM  
**To:** Dan Welch  
**Subject:** Re: FCC licensing

5106 Frequency range 100-400 MHz  
Bandwidth 300 MHz  
Type - Ultra Wideband impulse  
E.I.R.P. = -52.3 dBm

3207 Frequency range 50-200 MHz  
Bandwidth 150 MHz  
Type - Ultra Wideband impulse  
E.I.R.P. = -44 dBm

Alan E. Schutz  
Vice President of Engineering  
Geophysical Survey Systems, Inc.  
Tel 603-893-1109 Fax 603-889-3984  
E-Mail: [Alan.S@geophysical.com](mailto:Alan.S@geophysical.com)

2/5/2007

Website [www.geophysical.com](http://www.geophysical.com)

----- Original Message -----

**From:** [Dan Welch](#)

**To:** [Alan Schutz](#)

**Sent:** Monday, February 05, 2007 7:48 AM

**Subject:** FW: FCC licensing

Hi Alan-

Will you have time today to help our German friends?

Dan Welch  
Training Manager, Archaeologist  
Geophysical Survey Systems, Inc.  
12 Industrial Way  
Salem, NH 03079

voice: 603-893-1109

fax: 603-889-3984

email: [welchd@geophysical.com](mailto:welchd@geophysical.com)

Mr. Bieg,

I spoke with Mr. Dan Weltch of GSSI concerning the equipment specifications of their products. The information he gave me does not match the information you reported in your application. For example, will you use a SIR-20 or SIR-3000 radar system with the 3207 and 5106 antennas? Please contact Mr. Dan Weltch at (603) 681-2030 so that he may help you report the correct radar system, antennas, frequency range, bandwidth, emission symbols and peak effective radiated power for application 0893-EX-ST-2006.

John W. Kennedy  
Federal Communications Commission  
Experimental Licensing Branch  
(202) 418-2484

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**From:** Uli Bieg, TU Darmstadt [<mailto:bieg@geo.tu-darmstadt.de>]

**Sent:** Friday, February 02, 2007 11:29 AM

**To:** John Kennedy

**Subject:** Re: FCC File # 0893-EX-ST-2006

Dear Mr. Kennedy,

yes, this is the envelope bandwidth, which is covered by the two antennas (100 Mhz and 200 Mhz).

Best wishes,  
Uli Bieg

Mr. Bieg,

In other words, the maximum bandwidth is 234 MHz for the frequency range is 16-250 MHz. Is this correct?

John K.

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**From:** Uli Bieg, TU Darmstadt [<mailto:bieg@geo.tu-darmstadt.de>]

**Sent:** Friday, February 02, 2007 9:30 AM  
**To:** John Kennedy  
**Subject:** Re: FCC File # 0893-EX-ST-2006

Dear Mr. Kennedy,

I am sorry for the mistake. You are right the frequency range is 234 Mhz.

Best wishes,  
Uli Bieg

Mr Bieg,

Are you requesting to use a maximum bandwidth of 200.00 MHz? If so, why is the requested frequency range 16-250 MHz which is 234 MHz wide?

John W. Kennedy

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**From:** Uli Bieg, TU Darmstadt [<mailto:bieg@geo.tu-darmstadt.de>]  
**Sent:** Friday, February 02, 2007 6:33 AM  
**To:** John Kennedy  
**Subject:** Re: FCC File # 0893-EX-ST-2006

**Reference Number 4709:**

Dear Mr. Kennedy,

here is the necessary information:

1 GSSI Antenna 200 Mhz - Type 5106 - Emission Designator L0N

1 GSSI Antenna 100 Mhz - Type 3207 - Emission Designator L0N

The same equipment was used in 2004 for another field campaign in the USA. That field campaign was conducted by Dr. M. Peter Suess (University of Tübingen, Germany). Former Call Sign: WB9XWS and File Number: 0183-EX-ST-2004.

Thanks a lot in advance,  
Uli Bieg

Mr. Bieg,

Did you receive the attached questions? If so, you may respond to them in a response to this e-mail, or you may respond to them through our experimental licensing website as explained at the bottom of the attachment.

John W. Kennedy  
Federal Communications Commission  
Experimental Licensing Branch  
(202) 418-2484

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***Technical University of Darmstadt***  
***Institute for Applied Geosciences***

Dr. Ulrich Bieg  
Schnittspahnstr. 9  
D-64287 Darmstadt

PHONE : +49-6151-16-2271  
FAX : +49-6151-16-6539  
EMAIL : [bieg@geo.tu-darmstadt.de](mailto:bieg@geo.tu-darmstadt.de)

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***Technical University of Darmstadt***  
***Institute for Applied Geosciences***

Dr. Ulrich Bieg  
Schnittspahnstr. 9  
D-64287 Darmstadt

PHONE : +49-6151-16-2271  
FAX : +49-6151-16-6539  
EMAIL : [bieg@geo.tu-darmstadt.de](mailto:bieg@geo.tu-darmstadt.de)

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***Technical University of Darmstadt***  
***Institute for Applied Geosciences***

Dr. Ulrich Bieg  
Schnittspahnstr. 9  
D-64287 Darmstadt

PHONE : +49-6151-16-2271  
FAX : +49-6151-16-6539  
EMAIL : [bieg@geo.tu-darmstadt.de](mailto:bieg@geo.tu-darmstadt.de)

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***Technical University of Darmstadt***  
***Institute for Applied Geosciences***

Dr. Ulrich Bieg  
Schnittspahnstr. 9  
D-64287 Darmstadt

PHONE : +49-6151-16-2271  
FAX : +49-6151-16-6539  
EMAIL : [bieg@geo.tu-darmstadt.de](mailto:bieg@geo.tu-darmstadt.de)