

Form 442 Confirmation Number:	EL396598
Form 442 File Number:	0068-EX-PL-2005
Date of Submission:	02/21/2005

Numerous attempts to conduct prior coordination with the St. Louis SBE frequency coordinator have not been successful. Therefore this license application is submitted using the prior coordination of 0067-EX-PL-2005 as a guide. Namely, that 400 to 450 MHz is not subject to SBE control.

Form 442 Confirmation Number:	EL485702
Form 442 File Number:	0067-EX-PL-2005
Date of Submission:	02/21/2005

From: Joe Goldstein - CenGen [jgoldstein@cengen.com]
 Sent: Friday, February 18, 2005 10:27 AM
 To: sam@stl.emmis.com
 Cc: goldstein@cengen.com
 Subject: intent to apply for license for St. Louis for 400 to 800 MHZ

Sam,

Please respond with a status. I need to apply for a license and prior coordination with the SBE is required.

Regards,

Joe Goldstein

Consulting & Engineering Next Generation Networks (CenGen)

goldstein@cengen.com

410-715-1300 phone

443-799-1384 cell

410-715-8797 fax

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

From: Joe Goldstein - CenGen [mailto:jgoldstein@cengen.com]
Sent: Tuesday, February 08, 2005 10:00 AM
To: sam@stl.emmis.com
Cc: goldstein@cengen.com
Subject: RE: intent to apply for license for St. Louis for 400 to 800 MHZ

Sam,

You and I spoke on the phone last week about the below frequencies. Is there any update on your recommendation of which of the frequencies could be used for our testing?

Regards,

Joe Goldstein

Consulting & Engineering Next Generation Networks (CenGen)

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

From: Joe Goldstein - CenGen [mailto:jgoldstein@cengen.com]
Sent: Wednesday, January 12, 2005 9:41 AM
To: sam@stl.emmis.com
Cc: goldstein@cengen.com
Subject: RE: coordination for FCC frequency license - additional comment

Sam,

I wanted to add additional comments. The information I sent in the

below email is the desired goal to allow testing in as wide a frequency range as possible and in as wide a geography as possible. If it turns out that this is not possible, I would to discuss with you how to scale back the request (# of frequencies, radius, power, etc.) to provide testing opportunities that can be accommodated and not adversely effect other spectrum users

Regards,

Joe Goldstein

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

From: Joe Goldstein - CenGen [mailto:jgoldstein@cengen.com]

Sent: Tuesday, January 11, 2005 8:16 PM

To: sam@stl.emmis.com

Cc: goldstein@cengen.com

Subject: coordination for FCC frequency license

Sam,

I spoke to you on the phone a short time ago about some frequency coordination for some testing of a new radio.

I am inclosing a soft copy of a document that contains all of the specifications of the radio and antenna (the JTRS Cluster 1 document).

I am also attaching a copy of an draft exhibit for an FCC experimental

license application. I have performed a geographic search of the FCC data base to look for frequencies that could be candidates for testing this radio. The candidate frequencies for an FCC experimental license are:

Start	Stop
Frequency	Frequency
403.7	413.7
427.2	437.2
438.6	448.6
515.3	525.3
541.5	551.5
567.7	577.7
590.7	600.7
616.6	626.6
646.2	656.2
695.7	705.7
746.8	756.8
794.4	804.4

The emission designator for each frequency is G1D10M. OFDM waveform and 10 MHz bandwidth. Transmitter peak power will be 100 watts for frequencies up to 450 MHz; above 450 MHz, the maximum transmitter peak power will be 20 watts. The maximum antenna gain will be 5 dBi, using commercial off-the shelf antennas; therefore the maximum radiated power below 450 MHz will be 316 watts and 63 watts for frequencies above 450 MHz. Airborne antenna height will be 6096 meters

It is desired to test at all of the above frequencies. However, even a subset of 6 of theses frequencies could satisfy the testing goals.

I hope this is enough information for us to begin a dialogue to identify frequencies to support the testing efforts.

Regards,

Joe Goldstein

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