

Anthony Serafini

From: hworstell@research.att.com
Sent: Friday, September 09, 2005 3:56 PM
To: Anthony Serafini
Subject: RE: Experimental License WD2XSL Coordination

Mr. Serafini.

Thank you for your assistance.

The proposal is very acceptable and will permit us to move forward with our research and testing. I would like the license to indicate a maximum power of 3 watts EIRP. We will operate our equipment as far below that power level as practical for our experiments.

Thank you again for your help.

Best regards,
Harry Worstell

Harry R. Worstell
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From: Anthony Serafini [mailto:Anthony.Serafini@fcc.gov]
Sent: Friday, September 09, 2005 3:40 PM
To: Worstell, Harry R (Harry)
Subject: RE: Experimental License WD2XSL Coordination

Mr. Worstell

I have discussed your situation with my supervisor. He agrees that we may modify your license to permit you to move forward with your testing. To limit the interference potential to licensed users we will need to reduce your operating power. You suggest that you only need 1-3 watts and can operate within a 1 km radius. Is this still acceptable? What power level do you need?

We can remove the coordination requirement, however, your testing will still be on a non-interference basis. In the event of any interference, you would be required to shut down until the issues are resolved.

Please confirm that this is acceptable and I can then go ahead and make the adjustments to the license.

09/12/2005

Tony Serafini

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

From: hworstell@research.att.com [mailto:hworstell@research.att.com]

Sent: Tuesday, August 30, 2005 11:01 AM

To: Anthony Serafini

Subject: Experimental License WD2XSL Coordination

Dear Mr. Serafini,


I was a pleasure speaking with you yesterday.

As I indicated, we are having some problems gaining permission from the cellular carriers to use our experimental license. We originally attained the services of Ericsson to perform frequency coordination and clearance and they are working through Comsearch.

The following is the text that we sent, by way of the coordination company, to the service providers. We originally attained the services of Ericsson to perform frequency coordination and clearance and they are working through Comsearch. We believe that we will only need between 1 to 3 watts of transmit power to achieve the goal of our research.

This is a request for the coordination and use of two (2) GSM mobile Tx (BS Rx) channels in the 1800-1910MHz and two (2) complementary GSM mobile Rx (BS Tx) channels in the 1930-1990MHz bands per our experimental license (call sign WD2XSL, File Number 0176-EX-PL-2005). We would like to have the channels active for a year. We understand that the channels which we use may change during that time and can change assignments as long as some reasonable advance coordination is communicated. We have attained the services of Ericsson to perform frequency coordination and clearance.

These channels will be used for an experimental wireless research program. The channels will be only used at one fixed location, with only one sector antenna at a height of approximately 18 feet above the ground. The cell site and antenna will be located in Florham Park, Morris County, New Jersey at NL 40-46-37 and WL 74-24-43.

 Picture (Metafile)

The antenna will be pointed directly at a building 230 degrees (South-West) from the antenna location. The antenna is ~ 530 feet away from the building and will only use sufficient transmit power to penetrate the perimeter of the building. The antenna is an Ericsson 1301-KRE 101 1959/1 Uen and has a gain of 18dBi. The horizontal beam width of the antenna is 88 degrees, has a vertical beam width of 4.7 degrees and will be down tilted. The mobile coverage distance will be less than 1 km.

As requested, I am attaching the rejection letter from Comsearch.

<<ATT Frequency Coordination 08-30-05.doc>>

Any help you can provide us is appreciated.

Best regards,
Harry Worstell

09/12/2005

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