

Oct 19 10:00
0176-1205

Anthony Serafini

From: James Burtle
Sent: Wednesday, August 31, 2005 3:26 PM
To: Anthony Serafini
Subject: RE: Experimental License WD2XSL Coordination

Sounds OK to me.

*** Non-Public: For Internal Use Only ***

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

From: Anthony Serafini
Sent: Wednesday, August 31, 2005 2:43 PM
To: James Burtle
Cc: Ira Keltz
Subject: FW: Experimental License WD2XSL Coordination

Jim

I have an AT&T PCS license where the service licensees won't cooperate with AT&T. AT&T is willing to reduce their testing as stated below. Doesn't seem like this would cause a lot of problems. They only want a 1 km radius.

I suggest that we can

1. Narrow the license parameters
 2. Remove the coordination condition and replace it with the interference conditions.
- "Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down."

Does this sound like a feasible approach? I ran it passed Ira briefly this morning and his initial impression was favorable.

Tony

*** Non-Public: For Internal Use Only ***

-----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

08/31/2005

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

Harry R. Worstell
Sr. Technical Specialist
Communications Technology Research
AT&T Labs - Shannon Laboratory
Vice Chair, IEEE 802.11 Working Group
Room B233, Building 103
180 Park Avenue
P.O. Box 971
Florham Park, NJ 07932-0971
Phone: +1 (973) 236-6915
Cell +1(973) 727-5564
Fax: +1 (973) 360-5873
EMAIL: hworstell@research.att.com

08/31/2005