

Bosch Security Systems, Inc.
Request for Grant of Experimental License
File No. 0084-EX-PN-2020
Narrative Exhibit Describing Operation

This application, filed by Bosch Security Systems, Inc., a division of Robert Bosch LLC, an international manufacturer of tools, automotive equipment, communications equipment and industrial and consumer products, seeks a two year period beginning as soon as possible, to permit radio walk testing experiments, only within the manufacturing building within the Bosch Security Systems, Inc. campus in a rural area outside Lincoln, Nebraska.

Bosch Security Systems, Inc. manufactures and services wireless intercoms and wireless microphones at this location, primarily of FCC certified equipment. However, a few overseas products are manufactured and serviced at this location. These products are fully aligned and tuned within screen rooms, however range and quality walk testing experiments outside these screen rooms are requested for these products and this is the purpose of this experimental license request. These products are body worn and handheld FM continuous wave transmitters with a normal transmit EIRP of 50mW, but at highest possible setting, some models can transmit at 100 mW EIRP. There are few of this products serviced and produced at this location and walk test experiments would be limited to about 40 minutes of testing total per week. When tested within our metal roofed production building, due to the low TX power of these devices, no significant transmit power goes beyond our property line of the campus.

We have contacted and coordinated with the only active Band 71 (600 MHz) spectrum owner in our area, a Mr. Dan Wilson, Senior Manager of Spectrum Engineering of T-Mobile USA, concerning this experimental license request. They have agreed and I quote, "We don't oppose experimental licenses in B71 as long as they don't use our UL or DL spectrum bands during the non-maintenance window hours of the day." In the spirit of this coordination, the T-Mobile 600 MHz bands they own are blocks B, C, D, E in the Lincoln, Nebraska area and we will avoid these by a guard band of 1 MHz.

The bands sought herein for this experimental license for testing, which avoid the T-Mobile spectrum block in our area, are as follows:

615 – 621MHz,

643 – 653 MHz,

663 – 667 MHz,

689 – 698 MHz.

The Stop Buzzer contact for these tests will be James Andersen of Bosch Security Systems, Inc., whose phone number is 402-467-6671 and whose e-mail is Jim.Andersen@us.bosch.com. Should any interference arise or be complained of by any entity, all operation will cease until the interference complaint is resolved to the satisfaction of the complainant.

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