mondo systems, inc., FCC ID: VAP-DMS300-DWA1, Assessment NO.: AN07T6833, Notice#1   Inbox

"tim.dwyer@ccsemc.com" to denny.ham

show details May 23 (6 days ago)   Reply

Dear Denny Ham,

The application review is complete. It is ok on measurement and documentation issues, except more information is needed in the operation theory to show compliance with FCC FHSS requirements. If you have questions, please email.

Q1-A-B-C: Please revise the theory of operation to add statements about compliance with the following requirements from FCC 15.247.

Q1-A Concerning psuedo-random sequence and average usage and system receiver characteristics:

15.247(a)(1) The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals

Q1-B   Concerning minimum number of channels used under all conditions and modes of operation:

15.247(a)(1)(iii) Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are used

15.247(g) Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.

Q1-C   Concerning non-coordination requirement:

15.247(h) The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

Best regards,

Tim Dwyer
CCS Technical Reviewer

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

Reply   Reply to all   Forward   Invite tim.dwyer@ccsemc.com to Gmail

"Ham, Denny (Gunpo)" <Denny.Ham@sgs.com> to **Mike**, **helen.zhao**, **James**, **Jess**, **Feel**, tim.dwyer show details May 27 (2 days ago)   Reply

Dear Tim Dwyer,

I did upload the file for your request.

The file name is DMS300-DWA1 Theory of Operation_rev2(pdf).

Best regards,

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Denny Ham / Asst. Manager
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