

MessageFrom: Jennifer Song [jennifers@baclcorp.com]
Sent: Friday, December 20, 2002 10:40 AM
To: William Graff
Subject: Re: Lionda FCC ID: O63GH9762DLD02

Hi, Bill,

Sorry to hear that. Please take care.

Per your request, I uploaded the block diagram with info. of spread spectrum system. And Lionda just emailed us the information below:

Here is the information for spread spectrum system:

1. Spread Rate: 32-chip per symbol.
2. Data rate per symbol: 3-bit / symbol
3. Average chip per data bit: $32 \text{ (chip / symbol)} / 3 \text{ (bit / symbol)} = 10.667$
4. Symbol rate at 19.2MHz master clock: 23.4 us (microsecond) per symbol.
5. Spread Spectrum method: FSK modulation
6. Chip rate: 1.366Mbps
7. Voice Coding: ADPCM

Please let me know if there is anything else you need. Thank you!

Best Regards,

Jennifer Song
BACL, Documentation Personnel
Email: jennifers@baclcorp.com
Tel: 408-732-9162 * 39
Fax: 408-732-9164

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

From: William Graff
To: 'Jennifer Song'
Sent: Wednesday, December 18, 2002 11:00 AM
Subject: RE: Lionda FCC ID: O63GH9762DLD02

Jennifer,

My apologies for the delay in answering you. My mother in law passed yesterday and it was most important to take care of my wife first.

Please look at the definition of a spread spectrum system under Section 2.1 of the Rules. In it's simplest form, your device takes a voice signal, converts it to relatively slow data rate signal, and then logically sums it with a much faster data rate. The chip rate is the ratio between the slow speed data and the high speed spreading data.

Please provide information on your slow speed data rate, and the chip rate. If a block diagram can be provided illustrating the spreading function, this would also be welcomed.

Bill

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

From: Jennifer Song [mailto:jennifers@baclcorp.com]

Sent: Monday, December 16, 2002 3:54 PM
To: William Graff
Subject: Lionda FCC ID: O63GH9762DLD02

Hi, Bill,

I just got your message about the application mentioned above in the subject. Sorry, I don't really get your problems. Would you email me about those issues, so that I can let our engineer solve the problems? Thank you very much for your help!

Best Regards,

Jennifer Song
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