From: "Elad Gottlib" <egottlib@silverspringnet.com>
Date: September 26, 2008 5:25:58 PM PDT
To: "Thomas Cokenias" <tom@tncokenias.org>
Subject: RE: Questions from TCB for FCC ID: OWS-NIC507 – FHSS radio

For FHSS radio:
#2 – Only on radio can transmit at a given time
#4 – The hopping sequence is pseudorandom, see the attached document for description on the hopping sequence generation. Please keep confidential.
#5 – Yes, see the hopping sequence generation document per question #4
#6 – Yes, receiver bandwidth is 220KHz
#7 – Yes

Let me know if you need any further information.

Thanks,
Elad.

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FHSS Portion

Question #2: As indicated in the functional block diagram and theory of operation, it appears 2.4GHz DSS and 900 MHz FHSS radio are sharing the same antenna and can transmit simultaneously. Based upon FCC policy, when radios are sharing the same antenna and can transmit simultaneously, RF conducted spurious emission and radiated spurious emission shall be performed with both radio transmitting at the same time. Please address this measurement procedure issues.

Question #4 Is the hopping sequence pseudorandom ? Please provide a example of pseudorandom hopping list in the theory of operation.

Question #5:Is each channel used equally on average? Please explain in the theory of operation.

Question #6: Does the associated system receiver have a compliant input bandwidth, based on the measured 20 dB emission bandwidth?

Question #7: Does the associated system receiver have the ability to hop in synchronization with the transmitter?