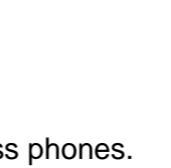


CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

Inbox

from tim.dwyer@ccsemc.com hide details Dec 19 (7 days ago) 

to Sammi.liu@intertek.com,

cc tim.dwyer@ccsemc.com,

date Dec 19, 2007 11:22 PM

subject CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

Dear Sammi Liu,

The application review is complete. Please reply to the following items. If you have questions, please ask.

Q1: Equipment Class ETS was entered on application. The ETS product code is intended for 49 MHz cordless phones. Please confirm that all operation is as a Frequency Hopping Spread Spectrum on the 2.4 GHz band under FCC 15.247 and I will change the product code to DSS.

Q2: To meet the requirement of FCC paragraphs 15.19 and 15.214, the product label must include the following statements. Please send a revised label.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by CyraCom could void the user's authority to operate this equipment.

Privacy of communications may not be ensured when using this phone

Q3: According to the documentation submitted, the product includes a USB port. Please provide additional information regarding use of the USB port. If the USB port is for connection to a Personal Computer, then the product is also considered as a Personal Computer Peripheral. Personal Computer Peripherals must be approved using the FCC DoC procedure, with proper label information, or they may be approved by composite application for Certification with Equipment Class JBP.

Q4: Schematic diagram sheet 2 for the base unit shows only two antennas ANT1 and ANT2. The base unit internal photos also appear to show two antennas. The block diagram shows only two antennas ANT1 and ANT2. Please provide additional information about the function of the two antennas in the base unit.

Q5: Please provide an additional document or revised technical description to include information describing compliance with the requirements of 15.247(a)(1), 15.247(g) and 15.247(h) as follow:

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 shall never have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

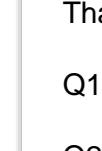
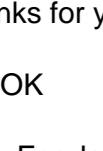
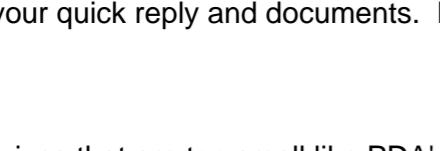
15.247(g) Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system must employ both hopping and the receiver receiver must be designed to comply with all of the regulations in this part. The system should use the transmission as 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.

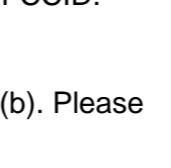
15.247(h) The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adopts its hopping to avoid hopping on occupied channels is permitted. The coordination 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.

from Sammi Liu Intertek <sammi.ml.liu@intertek.com> hide details Dec 20 (7 days ago) 

to tim.dwyer@ccsemc.com,

date Dec 20, 2007 3:51 AM

subject RE: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

Hi Tim,

The following are our answers.

Q1: Yes, I got it. Thanks.

Q2: Due to the label is too small, our client shows the statements at the user manual. I have a question. Does the statement must be showed on label, if it is required?

Q3: The current file is DoC report for your reference.

Q4: Due to the main and secondary handsets are identical in electrical, mechanical and physical design. The difference was in keypress only. The block diagram is the same. Please see the revised block diagram.

Q5: Please see the revised technical description. Our client shows the information at page 5.

BR,

Sammi Liu

- Show quoted text -

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www.intertek.com <<http://www.intertek.com>>

2 attachments — [Download all attachments](#)

Technical descriptor-revised.pdf

2154K [View as HTML](#)

[Download](#)

Block diagram-revised.pdf

2157K [View as HTML](#)

[Download](#)

from Tim Dwyer <Timothy_Dwyer@ieee.org> hide details Dec 20 (7 days ago) 

to Sammi Liu Intertek <sammi.ml.liu@intertek.com>,
date Dec 20, 2007 8:02 AM

subject Re: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

mailed-by gmail.com

Hi Sammi,

Thanks for your quick reply and documents. Here are my comments:

Q1: OK

Q2: For devices that are too small like PDA's and cell phones it is acceptable to put the information in the manual. The base unit does not qualify as "too small" so the information must be on the base unit. It may be on a separate additional label however. Also the handsets must have at least the FCCID on them. Please also send a photo or drawing showing the location of the FCCID label on the handsets.

Apologies, but I missed the note for the handset label before.

Q3: Since you will use DoC, the label on the base unit must also include the FCC logo as shown in FCC 15.19(b). Please provide a revised label with the FCC Logo.

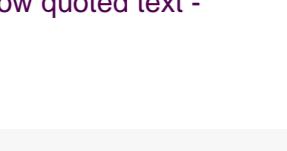
Q4: Please describe the purpose of the two antennas. Do both antennas transmit at the same time or on different frequencies? Are these switched diversity antennas? We just need some more detail about why there are two antennas and their function.

Q5: OK

Best regards,

Tim

- Show quoted text -

from Tim Dwyer <Timothy_Dwyer@ieee.org> hide details Dec 24 (3 days ago) 

to Sammi Liu Intertek <sammi.ml.liu@intertek.com>,
date Dec 24, 2007 2:15 PM

subject Fwd: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

mailed-by gmail.com

Hi Sammi,

I noticed I did copy one statement in error for the label.

The statement "Changes or modifications not expressly approved by CyraCom could void the user's authority to operate this equipment" does not need to be on the label.

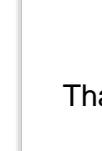
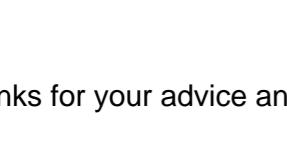
The other statements as follow are required to be on the label of the base station.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by CyraCom could void the user's authority to operate this equipment.

Privacy of communications may not be ensured when using this phone

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from Sammi Liu Intertek <sammi.ml.liu@intertek.com> hide details Dec 24 (2 days ago) 

to Tim Dwyer <Timothy_Dwyer@ieee.org>,
date Dec 24, 2007 1:49 AM

subject RE: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

mailed-by gmail.com

Hi Sammi,

Thanks for your advice and the attachment is the revised label for our reference.

BR,

Sammi

From: rfspectrum@gmail.com [mailto:rfspectrum@gmail.com] On Behalf Of Tim Dwyer

Sent: Thursday, December 20, 2007 9:02 PM

To: Sammi Liu Intertek

Subject: Re: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

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- Show quoted text -

from Sammi Liu Intertek <sammi.ml.liu@intertek.com> hide details Dec 24 (3 days ago)

to Tim Dwyer <Timothy_Dwyer@ieee.org>,
date Dec 24, 2007 12:41 PM

subject Re: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

mailed-by gmail.com

Hi Sammi,

I hope to get this complete by Wednesday latest. CCS main office is on holiday until Thursday, but I think Mike Kuo is

I checked and the label still needs to have the statement in 15.214(c)

15.214(c) The label required under subpart A of this part shall also contain the following statement:

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

BR,

Sammi

From: rfspectrum@gmail.com [mailto:rfspectrum@gmail.com] On Behalf Of Tim Dwyer

Sent: Thursday, December 20, 2007 9:02 PM

To: Sammi Liu Intertek

Subject: Re: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

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- Show quoted text -

from Sammi Liu Intertek <sammi.ml.liu@intertek.com> hide details Dec 25 (2 days ago)

to Tim Dwyer <Timothy_Dwyer@ieee.org>,
date Dec 25, 2007 3:56 AM

subject ID: RE: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

mailed-by gmail.com

Hi Sammi,

BR,

Sammi

From: rfspectrum@gmail.com [mailto:rfspectrum@gmail.com] On Behalf Of Tim Dwyer

Sent: Thursday, December 20, 2007 9:02 PM

To: Sammi Liu Intertek

Subject: Re: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

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from Sammi Liu Intertek <sammi.ml.liu@intertek.com> hide details Dec 25 (2 days ago)

to Tim Dwyer <Timothy_Dwyer@ieee.org>,
date Dec 25, 2007 1:49 AM

subject RE: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

mailed-by gmail.com

Hi Sammi,

BR,

Sammi

From: rfspectrum@gmail.com [mailto:rfspectrum@gmail.com] On Behalf Of Tim Dwyer

Sent: Thursday, December 20, 2007 9:02 PM

To: Sammi Liu Intertek

Subject: Re: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

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to Tim Dwyer <Timothy_Dwyer@ieee.org>,
date Dec 25, 2007 3:56 AM

subject ID: RE: CyraCom International , FCC ID: VSWVT-802C, Assessment NO.: AN07T7443, Notice#1

mailed-by gmail.com

Hi Sammi,