

Chris Harvey

From: Tom Cokenias [tom@tncokenias.org]
Sent: Thursday, December 09, 2004 8:22 PM
To: Chris Harvey
Subject: RE: looking for information for WJ Assessment # AN04T4383

Hi Chris,

I'll upload the letter(s) this evening.

Re tags: the received signal is at the same frequency as the reader TX signal.

best regards

Tom

>Tom a couple more quick questions:
>
>1) I see you want Confidentiality, but you did not upload a
>Confidentiality Letter. Please update this or change the Form 731.
>
>2) Please indicate the Return Frequency (back-scatter) from the tags
>and indicate if this is contained in a restricted band frequency of FCC
>15.205.
>
>Thanks,
>
>Chris
>
>Chris Harvey
>Chris Harvey EMC Consultants, LLC
>charvey@ieee.org
>cell 443-622-3300
>
>
>-----Original Message-----
>From: Tom Cokenias [mailto:tom@tncokenias.org]
>Sent: Thursday, December 09, 2004 11:21 AM
>To: charvey@ieee.org
>Subject: Re: looking for information for WJ Assessment # AN04T4383
>
>Hi Chris,
>
>I uploaded the SAR report attachments to both FCC and IC filings on the
>website.
>
>best regards
>
>Tom
>
>>Tom, I don't have full computer access right now but I have noticed
>>that the SAR plots, validation info, probe and dipole calibrations are
>>also missing.
>>
>>Please submit these items.

>>
>>
>>-----Original Message-----
>>From: Tom Cokenias <tom@tncokenias.org>
>>Date: Wed, 8 Dec 2004 15:31:12
>>To:charvey@ieee.org
>>Subject: Re: looking for information for WJ Assessment # AN04T4383
>>
>>Hi Chris,
>>
>>I will be uploading operational and FHSS operational description to
>>the TCB FCC and ID websites but in case they don't take, I've attached
>>them here. Same for all 3 IDs.
>>
>>best regards
>>
>>Tom
>>
>>
>>
>>>Tom, I do not see a file called operation-anything for all 3 apps.
>>>Yes an operational description directed to the FHSS requirements
>>>would be very helpful. -----Original Message-----
>>>From: Tom Cokenias <tom@tncokenias.org>
>>>Date: Wed, 8 Dec 2004 10:18:14
>>>To: "Chris Harvey" <Chrisharveyemc@comcast.net>
>>>Subject: Re: looking for information for WJ Assessment # AN04T4383
>>>
>>>Hi Chris,
>>>
>>>
>>>Thanks for getting to this so quickly. The reason you can't find
>>>the label location photo is it wasn't there. I have uploaded same
>>>for all the FCC IDs and will do the same for the IC applications in a
>>>few minutes.
>>>
>>>
>>>All three FCC application upload record show a pdf file named
>>>operational.pdf as being uploaded, this is the operational
>>>description.
>>>
>>>
>>>It calls out 50 channels and random hopping, but if it would help you
>>>client and I can write a supplemental operational description
>>>directed to the provisions of the FHHS system. Let me know if this
>>>would be helpful...
>>>
>>>
>>>best regards
>>>
>>>
>>>
>>>
>>>Tom
>>>
>>>
>>>
>>>
>>>Tom due to the urgency of this application I may be asking these
>>>questions before digging deep enough, but I can't seem to find the

>>>following:

>>>

>>> 1) compliance with all provisions for FHSS systems, for exampleS

>>>

>>> 15.247(a)(1) The system shall hop to channel frequencies that are

>>>selected at the system hopping rate from a

>>> pseudorandomly 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.

>>>

>>> 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.

>>>

>>> 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.

>>>

>>> I can not find a label location diagram/photo (I know it is

>>>obvious, but it must be in the application).

>>>

>>> I can not find a detailed operational/technical description for

>>>this device (which might answer some of the questions above).

>>>

>>> It is likely that these same items will be needed for the other 2

>>>WJ applications. Please look into those and provide the information

>>>as needed.

>>>

>>> Thanks,

>>>

>>> Chris Harvey

>> > Chris Harvey EMC Consultants, LLC

>>> charvey@ieee.org

>>> cell 443-622-3300

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>>>

>>>

>>>Best Regards,

>>>

>>>Chris Harvey
>>>charvey@ieee.org
>>
>>
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>>
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