

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 FHSS 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
>>>
>>>
>>>
>>>Best Regards,
>>>

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>>>Chris Harvey  
>>>charvey@ieee.org  
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>>  
>>Best Regards,  
>>  
>>Chris Harvey  
>>charvey@ieee.org
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