SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

15 messages

tim.dwyer@ccsemc.com <tim.dwyer@ccsemc.com> **Thu, Jan 19, 2012 at 10:55 PM**
To: schong@onetech.co.kr
Cc: tim.dwyer@ccsemc.com, Mark Briggs <Mark.Briggs@ccsemc.com>, Leimin <amy.lei@huawei.com>, "Xieyan(Lance)" <xieyan@huawei.com>, Barbara Judge <barbara.judge@ccsemc.com>, Sophia Ye <sophia.ye@ccsemc.com>, Lucy Tsai <lucy.tsai@ccsemc.com>, Mike Kuo <mike.kuo@ccsemc.com>, "Weihuanbin (Alvinway)" <weihuanbin@huawei.com>

Dear Mr. Hong,

Review of the reply and revised documents is complete. There are still some questions as indicated below. Items are numbered the same as in Notice 1 except followed by "A". "Ok" following an item number indicates your reply was acceptable and no further action is required for that item.

1A-2A Ok

3A. The label location drawing shows the label installed in two locations. Since the application is filed for a single FCCID to cover the combination of the two devices always sold and installed together, the label must be on a single location for the combination of devices. In this case, since only the MRU has an antenna port, the label should be on the MRU. The ARU does not have a transmit antenna port, so it is not appropriate to affix the label to the ARU.

4A. Ok

5A. Revised block diagram still shows V/UHF port(s) but shows no connection. Description of this port is not provided. Please provide a brief description and show operation frequency for V/UHF port(s). Please confirm that antennas will not be connected to any port except as shown in the revised block diagram.

6A-7A The application and test report are for bands: 851-869 MHz, 935-940 MHz, and 1930-1995 MHz.
The revised operation description still indicates operation capability in 700, 1700 ,and 2100 MHz bands. Since this application does not include those bands, please provide a separate attestation letter confirming that the device submitted will operate only in 851-869 MHz, 935-940 MHz, and 1930-1995 MHz bands and that operation of the device in other bands will be addressed in separate application(s) and under separate FCCID(s). The attestation letter was requested in item 7 of the previous notice but was not provided in your reply.

8A. Ok

9A. Ok

10A. Ok

11A. Ok. Note: For future products please provide the emission designator information in the test report normally in the summary section or with the OBW measurements.

12A-13A. Please confirm that the measurement detector used for spurious emissions was the same as used for power measurements. In future reports, please make sure to indicate the measurement detector type (peak, average, etc.) used for each measurement.

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. Revised documentation should not be emailed, but instead should be submitted through "Add Attachment" function at the UL-CCS website. Please have your Assessment Number and FCC ID/IC Certification number handy. You may use the following link:
https://cert.ccsemc.com/filing/

Best regards,

Tim Dwyer
Technical Reviewer
UL-CCS TCB

홍성찬 **<schong@onetech.co.kr>** **Fri, Jan 20, 2012 at 3:16 AM**
To: dwyer@ccsemc.com
Cc: tim.dwyer@ccsemc.com, Claire Hoque <claire.hoque@ccsemc.com>, mark.briggs@ccsemc.com, 남윤권 이사님 <yknam@onetech.co.kr>, ykkwon@onetech.co.kr, Lucy Tsai <lucy.tsai@ccsemc.com>

Dear Mr. Tim Dwyer,

Regarding your additional comments for Assessment No. AN11T0976, we would like to inform you as below,

3A: Please find the revised ID Label Location that is attached.

5A: The V/UHF port will be connected to another module(FCC ID: W6UEVHFUHF) by coaxial cable and the operating frequencies for this module will be 136 MHz ~ 174 MHz and 380 MHz ~ 496 MHz. The antenna will be connected as shown in the revised block diagram only.

6A-7A: Please find the attestation letter for used operating frequencies that is attached.

12A-13A: The measurement detector for spurious emission is peak mode and power measurement is average mode.

Please check this and let us have TCB-Grant as soon as possible.

If you have any question or need more information, please feel free to contact us.
Thank you and have a nice day~

Best Regards,

S. C. Hong / Sr. Manager

ONETECH Corp.
Home page: http://www.onetech.co.kr
E-mail: schong@onetech.co.kr
Tel: +82-31-799-9530
Fax: +82-31-799-9599

----- Original Message -----
From: YG Gwon
To: '???'
Sent: Friday, January 20, 2012 4:03 PM
Subject: FW: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

홍차장,

아래 메일을 송부했다고 하는데...

확인 및 지급 조치 바랍니다.

Best Regards,

Y.G. Gwon (權容廣)

ONETECH Corp.

RF/EMC Center

TEL: +82-31-799-9504

Mobile: +82-10-8422-1025

email: ykkwon@onetech.co.kr

URL: http://www.onetech.co.kr

From: Timothy M. Dwyer [mailto:tim.dwyer@CCSEMC.com]
Sent: Friday, January 20, 2012 12:56 PM
To: schong@onetech.co.kr
Cc: Timothy M. Dwyer; Mark Briggs; Leimin; Xieyan(Lance); Barbara Judge; Sophia Ye; Lucy Tsai; Mike Kuo; Weihuanbin (Alvinway)
Subject: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

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2 attachments

W6U19P80I90I_ID Label Location_rev02.pdf
162K

Attestation Letter.pdf
16K

홍성찬 **<schong@onetech.co.kr>** **Fri, Jan 20, 2012 at 4:13 AM**
To: tim.dwyer@ccsemc.com

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2 attachments

W6U19P80I90I_ID Label Location_rev02.pdf
162K

Attestation Letter.pdf
16K

Tim Dwyer <tim.dwyer@ccsemc.com> **Fri, Jan 20, 2012 at 8:33 PM**
To: Mark Briggs <Mark.Briggs@ccsemc.com>

Mark,

Just a late night Friday sanity check.

Since the report was not clear on detector used, I asked the question. The response is below. For licensed devices, since the spurious emissions limits are in -dBc, spurious is supposed to be measured with the same detector as the power measurement. In this case power was with average detector and spurious is with peak. I think it is ok, but vice versa would not be. Do you agree?

Tim

---------- Forwarded message ----------
From: 홍성찬 <schong@onetech.co.kr>
Date: 2012/1/20
Subject: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976
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Tim Dwyer
Quasi-Peak Wireless
766 Pucker Street
Coventry, CT 06238 USA
(860) 558-1791
email: tdwyer@quasi-peak.com
timothy_dwyer@ieee.org
web: www.quasi-peak.com

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2 attachments

W6U19P80I90I_ID Label Location_rev02.pdf
162K

Attestation Letter.pdf
16K

Mark Briggs <Mark.Briggs@ccsemc.com> **Fri, Jan 20, 2012 at 8:56 PM**
To: Tim Dwyer <tim.dwyer@ccsemc.com>

Tim

I do agree, peak is worst case so if peak is < limit, average will be < limit.

I know licensed devices appear to have a dBc limit but the limit usually turns out to be an absolute dBm limit because they specify the attenuation proporonal to the fundame nt al powe r versus a specifi c æ nuaon. Exampl e , -4 10Log (P) comes out to be -13dBm, regardless of Power, so a lower power device has a lower dBc limit than a higher power device (which requires a larger attenuation).

If they had measured fundamental peak and spurious average, not such a good situaon .

Mark

From: rfspectrum@gmail.com [mailto:rfspectrum@gmail.com] On Behalf Of Tim Dwyer
Sent: Friday, January 20, 2012 5:34 PM
To: Mark Briggs

Subject: Fwd: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

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Mark Briggs <Mark.Briggs@ccsemc.com> **Fri, Jan 20, 2012 at 9:07 PM**
To: Tim Dwyer <tim.dwyer@ccsemc.com>

Tim

Also, grant when ready and let me know so I can change status.

Mark

From: Mark Briggs
Sent: Friday, January 20, 2012 5:50 PM
To: 'Tim Dwyer'
Subject: RE: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

Tim

I do agree, peak is worst case so if peak is < limit, average will be < limit.

I know licensed devices appear to have a dBc limit but the limit usually turns out to be an absolute dBm limit because they specify the attenuation proportional to the fundamental power versus a specific attenuation. Example, -43+10Log(P) comes out to be -13dBm, regardless of Power, so a lower power device has a lower dBc limit than a higher power device (which requires a larger attenuation) .

If they had measured fundamental peak and spurious average, not such a good situation .

Mark

From: rfspectrum@gmail.com [mailto:rfspectrum@gmail.com] On Behalf Of Tim Dwyer
Sent: Friday, January 20, 2012 5:34 PM
To: Mark Briggs
Subject: Fwd: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

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Tim Dwyer <tim.dwyer@ccsemc.com> **Fri, Jan 20, 2012 at 9:20 PM**
To: Mark Briggs <Mark.Briggs@ccsemc.com>

Thanks Mark. Just checking to make sure because I'm getting sleepy.

I have wondered over the years why FCC just didn't make the limit -13 dBm instead of cryptic -43+10Log(P). Maybe someone there actually had a sense of humor.

[Quoted text hidden]

Mark Briggs <Mark.Briggs@ccsemc.com> **Fri, Jan 20, 2012 at 9:54 PM**
To: Tim Dwyer <tim.dwyer@ccsemc.com>

Tim

I think so re sense of humour J. Took me a year to realize that X + 10log(p) was the same as (X- 30)dBm. I am sure whomever came up with that is sl l laughi ng.

Good night Tim,

Mark

From: rfspectrum@gmail.com [mailto:rfspectrum@gmail.com] On Behalf Of Tim Dwyer
Sent: Friday, January 20, 2012 6:20 PM
To: Mark Briggs
Subject: Re: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

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YG Gwon <ykkwon@onetech.co.kr> **Wed, Jan 25, 2012 at 12:47 AM**
To: dwyer@ccsemc.com
Cc: tim.dwyer@ccsemc.com, Claire Hoque <claire.hoque@ccsemc.com>, mark.briggs@ccsemc.com, 남윤권 이사님 <yknam@onetech.co.kr>, Lucy Tsai <lucy.tsai@ccsemc.com>, 홍성찬 <schong@onetech.co.kr>

Hi Tim,

How are you doing?

Could you please inform me current status for subject project at your earliest convenience?

Best Regards,

Y.G. Gwon (權容廣)

ONETECH Corp.

RF/EMC Center

TEL: +82-31-799-9504

Mobile: +82-10-8422-1025

email: ykkwon@onetech.co.kr

URL: http://www.onetech.co.kr

From: 홍성찬 [mailto:schong@onetech.co.kr]
Sent: Friday, January 20, 2012 5:17 PM
To: dwyer@CCSEMC.com
Cc: tim.dwyer@CCSEMC.com; Claire Hoque; mark.briggs@CCSEMC.com; 남윤권 이사님; ykkwon@onetech.co.kr; Lucy Tsai
Subject: Fw: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

[Quoted text hidden]

YG Gwon <ykkwon@onetech.co.kr> **Wed, Jan 25, 2012 at 10:49 PM**
To: dwyer@ccsemc.com, Mike Kuo <mike.kuo@ccsemc.com>
Cc: tim.dwyer@ccsemc.com, Claire Hoque <claire.hoque@ccsemc.com>, mark.briggs@ccsemc.com, 남윤권 이사님 <yknam@onetech.co.kr>, Lucy Tsai <lucy.tsai@ccsemc.com>, 홍성찬 <schong@onetech.co.kr>

Hi Tim,

Please inform me current status ASAP, because we had been very pushing from our customer. I did not really want to lose our customer because of project delay.

Best Regards,

Y.G. Gwon (權容廣)

ONETECH Corp.

RF/EMC Center

TEL: +82-31-799-9504

Mobile: +82-10-8422-1025

email: ykkwon@onetech.co.kr

URL: http://www.onetech.co.kr

From: YG Gwon [mailto:ykkwon@onetech.co.kr]
Sent: Wednesday, January 25, 2012 2:48 PM
To: 'dwyer@CCSEMC.com'
Cc: 'tim.dwyer@CCSEMC.com'; 'Claire Hoque'; 'mark.briggs@CCSEMC.com'; '남윤권 이사님'; 'Lucy Tsai'; '홍성찬'
Subject: RE: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

Hi Tim,

How are you doing?

Could you please inform me current status for subject project at your earliest convenience?

Best Regards,

Y.G. Gwon (權容廣)

ONETECH Corp.

RF/EMC Center

TEL: +82-31-799-9504

Mobile: +82-10-8422-1025

email: ykkwon@onetech.co.kr

URL: http://www.onetech.co.kr

From: 홍성찬 [mailto:schong@onetech.co.kr]
Sent: Friday, January 20, 2012 5:17 PM
To: dwyer@CCSEMC.com
Cc: tim.dwyer@CCSEMC.com; Claire Hoque; mark.briggs@CCSEMC.com; 남윤권 이사님; ykkwon@onetech.co.kr; Lucy Tsai
Subject: Fw: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

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Mark Briggs <Mark.Briggs@ccsemc.com> **Wed, Jan 25, 2012 at 11:10 PM**
To: Tim Dwyer <Timothy_Dwyer@ieee.org>

Tim –

Issue grants when you are ready, just let me know when they are done so I can update status to granted.

Mark

From: YG Gwon [mailto:ykkwon@onetech.co.kr]
Sent: Wednesday, January 25, 2012 7:50 PM
To: dwyer@CCSEMC.com; Mike Kuo

Cc: Timothy M. Dwyer; Claire Hoque; Mark Briggs; '남윤권 이사님'; Lucy Tsai; '홍성찬'

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[Quoted text hidden]

Tim Dwyer <tim.dwyer@ccsemc.com> **Thu, Jan 26, 2012 at 1:08 AM**
To: YG Gwon <ykkwon@onetech.co.kr>
Cc: dwyer@ccsemc.com, Mike Kuo <mike.kuo@ccsemc.com>, Claire Hoque <claire.hoque@ccsemc.com>, mark.briggs@ccsemc.com, 남윤권 이사님 <yknam@onetech.co.kr>, Lucy Tsai <lucy.tsai@ccsemc.com>, 홍성찬 <schong@onetech.co.kr>

Hi YG,

I expect to complete this project on Thursday, my time.

Best regards,

Tim

[Quoted text hidden]

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YG Gwon <ykkwon@onetech.co.kr> **Fri, Jan 27, 2012 at 7:54 PM**
To: Tim Dwyer <tim.dwyer@ccsemc.com>
Cc: dwyer@ccsemc.com, Mike Kuo <mike.kuo@ccsemc.com>, Claire Hoque <claire.hoque@ccsemc.com>, mark.briggs@ccsemc.com, 남윤권 이사님 <yknam@onetech.co.kr>, Lucy Tsai <lucy.tsai@ccsemc.com>, 홍성찬 <schong@onetech.co.kr>

Hi Tim,

I am sorry to push you, but it is already Friday.

Please inform me when I will get your certificate ASAP.

Best Regards,

Y.G. Gwon (權容廣)

ONETECH Corp.

RF/EMC Center

TEL: +82-31-799-9504

Mobile: +82-10-8422-1025

email: ykkwon@onetech.co.kr

URL: http://www.onetech.co.kr

From: rfspectrum@gmail.com [mailto:rfspectrum@gmail.com] On Behalf Of Tim Dwyer
Sent: Thursday, January 26, 2012 3:09 PM
To: YG Gwon
Cc: dwyer@ccsemc.com; Mike Kuo; Claire Hoque; mark.briggs@ccsemc.com; 남윤권 이사님; Lucy Tsai; 홍성찬
Subject: Re: SOLiD Technologies, Inc., //W6U19P8OI90I //AN11T0976

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Mike Kuo <mike.kuo@ccsemc.com> **Fri, Jan 27, 2012 at 9:37 PM**
To: YG Gwon <ykkwon@onetech.co.kr>, "Timothy M. Dwyer" <tim.dwyer@ccsemc.com>
Cc: 홍성찬 <schong@onetech.co.kr>

Hi Tim:

Please update the review status to Mr. Gwon today.

Best Regards

Mike Kuo

Direct: (510) 771-1105

Fax: (510) 661-0888

Main: (510) 771-1000

Cell: (510) 673-7291

From: YG Gwon [mailto:ykkwon@onetech.co.kr]
Sent: Friday, January 27, 2012 4:54 PM
To: Timothy M. Dwyer
Cc: dwyer@ccsemc.com; Mike Kuo; Claire Hoque; Mark Briggs; '남윤권 이사님'; Lucy Tsai; '홍성찬'

[Quoted text hidden]

[Quoted text hidden]

Tim Dwyer <tim.dwyer@ccsemc.com> **Sun, Jan 29, 2012 at 9:17 AM**
To: Mike Kuo <mike.kuo@ccsemc.com>
Cc: YG Gwon <ykkwon@onetech.co.kr>, 홍성찬 <schong@onetech.co.kr>

Dear Mr. Gwon,

I will work on this and have an answer for you by Monday my time.

Best regards,

Tim Dwyer
Technical Reviewer

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