

From: Bandele Adepoju [BAdepoju@itcemc.com]
Sent: Thursday, June 26, 2003 2:02 PM
To: Mike Kuo
Subject: RE: Connaught Electronics Ltd, FCC ID:LQN2887, AN03T2678

Importance: High

Hello Mike,

Thank you for taking the time to meet with me this morning. I do agree with your assessment below as, also, was confirmed during our meeting. The measured peak and average field strengths are within the 15.209 general requirement and this section can be applied to the application.

Based on the above, I hope that this application can be closed today.

If you should have any additional questions or comments, please do not hesitate to contact.

Thank you for your prompt attention.

Regards,

Bandele Adepoju
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-----Original Message-----

From: Mike Kuo [mailto:MKUO@CCSEMC.com]
Sent: Thursday, June 26, 2003 1:29 PM
To: 'Bandele Adepoju'
Subject: RE: Connaught Electronics Ltd, FCC ID:LQN2887, AN03T2678

Hi Bandele :

This is to recap the meeting that we had this morning.

1) Based upon the revised test report, the fundamental frequency is from 5605-5995MHz which is beyond the frequency band 5725-5875MHz per section 15.249 of FCC rules. After reviewing the revised test report, the measured peak and average field strengths are within the 15.209 general requirement. Please confirm in writing that you are agreed with this assessment.

Best Regards

Mike Kuo

-----Original Message-----

From: Bandele Adepoju [mailto:BAdepoju@itcemc.com]
Sent: Wednesday, June 18, 2003 1:54 AM
To: Mike Kuo
Subject: RE: Connaught Electronics Ltd, FCC ID:LQN2887, AN03T2678

Hello Mike,

The answers to your questions are as follows:

Question #4: The manufacturer rates the exact frequency of the LP_Sensor as 5.8GHz.

Question #5: The limits stated in 15.249 for out of band emissions are equal to the limits specified in 15.209, which are the general emission limits for non-ISM band operation. This is generally 500uV/m outside of the 15.249 band,

and with the operation of the LP_MDD sensor at <10% duty cycle, there is a duty

cycle correction for limiting peak emissions per 15.209e, so out of band emissions for the LP_MDD sensor are well below the spurious emissions limits.

The out-of-band levels are shown in plots in the attached Report.

Question #6: The limits in table have been corrected and a revised report is attached. The 2 limits are for the peak at 5GHz and spurious for out-of-band.

Question #7: The pulsed width is 5 nano-seconds.

If you should have any additional questions, please do not hesitate to contact me.

Thank you for your prompt attention to this response.

Regards,

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-----Original Message-----

From: Mike Kuo [mailto:MKUO@CCSEMC.com]
Sent: Wednesday, June 11, 2003 6:47 PM
To: 'Bandeale Adepoju'
Subject: RE: Connaught Electronics Ltd, FCC ID:LQN2887, AN03T2678

Hi Bandeale :

I have reviewed the supplemental attachments with the following questions:

Question #4: In accordance with product specification sheet Page 27 of 28 of test report, the transmitting frequency band of this device is 5725-5875MHz band. What is the exact fundamental frequency that this device is transmitting ? Page 14 indicates 5793MHz, Page 18 indicates 5810MHz, Page 19 Occupied BW indicates 5777MHz, Page 24 indicates 5742MHz.

Question #5: Page 19 Occupied BW: Based upon the occupied BW plots, the entire BW is outside the frequency band of 5725-5875MHz. Please explain how the section 15.249(c) requirement can be complied.

Question #6: Page 24 of radiated emission tabular data, please explain why the 82dBuV/m limits is used for 5742MHz and 60dBuV/m is used for all other emissions.

Question #7: What is the pulsed Width ?

Best Regards

Mike Kuo

-----Original Message-----

From: Bandeale Adepoju [mailto:BAdepoju@itcemc.com]
Sent: Tuesday, May 13, 2003 4:04 AM
To: Mike Kuo
Subject: RE: Connaught Electronics Ltd, FCC ID:LQN2887, AN03T2678
Importance: High

Dear Mike Kuo,

Questions #1 and #2:

Please find attached our request for review of the subject application under FCC Rules 47 CFR 15.249. I have also attached a revised test report. This should address your questions #1 and 2.

Question #3:

The receiving frequency range is 5,780 MHz to 5,820 MHz.

If should require any additional questions, please do not hesitate to contact me.

Regards,

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-----Original Message-----

From: Mike Kuo [mailto:MKUO@CCSEMC.com]
Sent: Friday, March 21, 2003 12:22 PM
To: 'badeipoju@itcemc.com'
Subject: FW: Connaught Electronics Ltd, FCC ID:LQN2887, AN03T2678

-----Original Message-----

From: CERTADM
Sent: Friday, March 21, 2003 12:20 PM
To: 'mkuo@ccsemc.com'
Subject: Connaught Electronics Ltd, FCC ID:LQN2887, AN03T2678

Notice_content

Question #1: Two FCC technical sections mentioned in the test report: 15.231(b) and 15.245(b). Please provide technical justification to demonstrate that this device meets periodic operations as defined in section 15.231 of FCC rules.

Question #2: Per the description in the theory of operation exhibit, this device is designed as motion detector by transmitting electro-magnetic field inside the vehicle. Section 15.245 of FCC rules shall be applied. If this is the case, the frequencies allocated for 15.245 is from 5785-5815MHz. The fundamental frequency listed in the page 11 of test report indicates that fundamental frequency is 5843MHz which is outside the assigned frequency band under 15.245 of FCC rules. Please address this non-compliance issue.

Question #3: what is the receiving frequency range of this device ?

Technical review has not complete at this point. Please address above three questions first.

Best Regards

Mike Kuo

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 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.