

Mike Kuo

From: Kwon, James (Gunpo) [James.Kwon@sgs.com]
Sent: Thursday, October 15, 2009 3:05 AM
To: Mike Kuo
Cc: Ham, Denny (Gunpo); Jeong, Feel (Gunpo); Loh, Grace (Gunpo)
Subject: RE: R-tron, Inc., FCC ID: STESN-WIMAX-24C, Assessment NO.: AN09T9682, Notice#1
Attachments: RSN-WiMAX-24C Test report (RF) R1.pdf; RSN-WiMAX-24C Antenna info.pdf

Hi Mike,

Thanks for your kind and on-time review. Pls find our reply embedded at below.

Thanks and have a nice day.

James/SGS

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

From: mike.kuo@ccsemc.com [<mailto:mike.kuo@ccsemc.com> <<mailto:mike.kuo@ccsemc.com>>]
Sent: Thursday, October 15, 2009 9:05 AM
To: Ham, Denny (Gunpo); Kwon, James (Gunpo)
Cc: mike.kuo@ccsemc.com
Subject: R-tron, Inc., FCC ID: STESN-WIMAX-24C, Assessment NO.: AN09T9682, Notice#1

Hi Denny:

Question #1: As indicated in the test equipment list and test setup diagram, VSG was used to simulate the WiMAX signal during the tests. Please provide detail description of radio parameter of vector files that were loaded to VSG during the tests.

<Feel>

DL mode

Test mode	Description
64QAM 3/4	The modulation and coding scheme (MCS) of this test mode is 64QAM 3/4 according to IEEE 802.16e-2005.

UL mode

Test mode	Description
16QAM 3/4	The modulation and coding scheme (MCS) of this test mode is 16QAM 3/4 according to IEEE 802.16e-2005.

Question #2: The necessary bandwidth listed in page 3 of test report is not correct. Necessary bandwidth is based upon 99% BW but not the channel bandwidth.

<Feel> We corrected the test report Attached pls find it.

Question #3: If not in filing already, please explain and/or demonstrate compliance with 27.50(h)(1)

<Feel> The repeater transmits both downlink (base to mobile) and uplink (mobile to base) directions.

The EUT operate in the frequency range (2502 ~ 2690 MHz)

So The EUT include LBS (2496 ~ 2572 MHz) and UBS (2614 ~ 2690 MHz)

Question #4: If not in filing already, please explain and/or demonstrate compliance with 27.50(h)(3)

<Feel> The repeater is not used for the television transmission. So section 27.50(h)(3) is not applied to this EUT.

Question #5: If not in filing already, please explain and/or demonstrate compliance with 27.50(h)(4).

<Feel> The repeater has channel BW (10 MHz). So section 27.50(h)(4) is not applied to this EUT.

Question #6: Please provide antenna specification. As required in 27.50(h)(1)(ii), the output power is based upon the type of antenna is used.

<Feel> Our admin didn't upload it due to no row when e-submission. Attached pls find Antenna info file. As you can see, it is directional antenna(Patch antenna), so this section 27.50(h)(1)(ii) is not applied to this EUT.

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 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.

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