



Request for Additional Information for EMC Certification

Company:	Kenwood USA (MFlom)	Composite Device:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>
MT#:	81251	FCC Direct Filing:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>
		Permit But Ask:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>
FCC ID:	ALH413601	FCC Rule Part:	90	
UPN:	N/A	RSS Standard:		
FRN:		Class II PC/Reassessment:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>

November 6, 2008

Dear Hoosam,

Thank you for your application. In order for us to process your approval, the following must be addressed. Please provide a response in a timely manner to avoid delays or dismissals.

Technical Review:

1. The test report references FCC part 74 H (Low power Auxiliary stations). The power limit for this rule part is 1 Watt. Please reference the correct FCC rule part.
2. One of the horn antennas and the temperature chamber seem to be out of cal when the testing was performed. Please clarify.
3. Please clarify if a flat phantom was used for both the front face position and body-worn positions. In addition please provide the dimensions of the flat phantom used for validation/verification. The phantom should be at least $\frac{3}{4}$ wavelengths long, in the direction parallel to the dipole and $\frac{1}{2}$ wavelengths wide, in the direction perpendicular to the dipole (OET65C).
4. There does not appear to be information about SAR in the User Manual. The highest reported SAR values need to be stated in the user's manual.

If you have any questions or concerns, please contact us.

Thank you!

Jennifer Sanchez

TCB Administrator

MET Laboratories, Inc.

tcbinfo@metlabs.com

www.metlabs.com

Admin Review By: Jennifer Sanchez

Technical Review By: Dusmantha Tennakoon

Please note that partial responses increase processing time and should not be submitted. The items indicated above must be provided before processing can continue on the above referenced application. Failure to provide the requested information in a timely manner may result in application dismissal.



Answers for Met Labs RT 81251, dated November 5, 2008
ALH413601

1. The rule part should be Part 74 F. The rule part has been updated in the Rev 2.0 document.
2. Our calibrated third horn antenna was used for testing and is in cal. I put down the asset number of the horn in the test and added the horn to the equipment list. The temp chamber was on a 30-day extension. The temp chamber is now cal'ed.
3. The flat phantom was used for both the face and body worn positions. The dimensions of the flat phantom are 600 mm x 450 mm x 200 mm. At 450 MHz, 3/4 wavelength would be 500mm and 1/2 wavelength would be 333.33 mm. Both dimensions are within the size of the phantom.
4. The last page of the supplied instruction manual states:
“While transmitting (holding the **PTT** switch or speaking with **VOX** enabled), always keep the antenna and the radio at least 3 cm (1 3/16 inches) from your body or face, as well as from any bystanders. A LED on the top of the radio shows red when the transmitter is operating in both **PTT** and **VOX** modes.
 - Do not transmit for more than 50% of the total transceiver use time; transmitting over 50% of the total use time may exceed the limits in accordance to the FCC RF exposure requirements. Nominal transceiver operation is 5% transmission time, 5% reception time, and 90% stand-by time.
 - Use only the specified antenna for this transceiver; this may be either the antenna provided with the transceiver or another antenna authorized by **Kenwood.**”SAR values in the user manual are not an FCC requirement.



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FCC ID:	ALH413601	FCC Rule Part:	90, 74, 22	
UPN:	N/A	RSS Standard:		
FRN:		Class II PC/Reassessment:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>

November 17, 2008

Dear Hoosam,

Thank you for your application. In order for us to process your approval, the following must be addressed. Please provide a response in a timely manner to avoid delays or dismissals.

Technical Review:

- FCC part 74F is for only Television Broadcast Auxiliary Stations. A license for a station in this subpart will be issued only to a television broadcast station, a class A TV station, a television broadcast network entity, a low power TV station, or a TV translator station. It does not appear your device falls into any of these categories. Please clarify.

If you have any questions or concerns, please contact us.

Thank you!

Jennifer Sanchez
TCB Administrator
MET Laboratories, Inc.
tcbinfo@metlabs.com
www.metlabs.com

Admin Review By: Jennifer Sanchez

Technical Review By: Dusmantha Tennakoon

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Flom Test Labs
EMI, EMC, RF Testing Experts Since 1963

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Answers for Met Labs RT 81251, dated November 17, 2008
ALH413601

1. You are correct, the unit doesn't belong in Part 74F. In this case this radio has a NON USER adjustable power output that only licensed service personnel can adjust by software. The radio can be set to 1-watt output for applications used in the television industry. The frequency band is commensurate with Part 74H which, if you will go back and check, is what I had on my original report however you flagged it as being incorrect.