



Request for Additional Information for EMC Certification

Company:	Kenwood USA (MFlom)	Composite Device:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>
MT#:	81250	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:	ALH413602	FCC Rule Part:	90	
UPN:	N/A	RSS Standard:		
FRN:		Class II PC/Reassessment:	Yes: <input type="checkbox"/>	No: <input checked="" type="checkbox"/>

November 5, 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. Please clarify if the conducted power measured and reported on page 6 of the RF test report is for the low, middle and high channels. Also, the frequency of the carrier stated on this page (i.e. 450 -489 MHz) is different from the operating range of the EUT. If this is a typo please correct it.
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 81250, dated November 5, 2008
ALH413602

1. It is low middle and high. A table has been inserted in the conducted power output showing the power out at Low Mid and High frequencies.
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.

Jennifer Sanchez

From: Jennifer Sanchez
Sent: Monday, November 17, 2008 10:58 AM
To: 'Sandy Valentine'
Cc: Angela Kekovski; Jenn Warnell; Jennifer Sanchez
Subject: RE: 81250 MFlom - Request for Technical Information (FCC ID: ALH413602)

Hi sandy,

Thanks for the updated Form 731; can you please provide internal photos of the form factor?

J. Sanchez
TCB Administrator
MET Laboratories (Santa Clara, CA)
408-207-4785 Direct
408-829-1603 Cell
jsanchez@metlabs.com



From: Sandy Valentine [<mailto:sandyv@mflom.com>]
Sent: Monday, November 17, 2008 10:03 AM
To: Jennifer Sanchez
Subject: re: 81250 MFlom - Request for Technical Information (FCC ID: ALH413602)

Hello Jennifer:

I found an error on the Form 731 for this project. It should say that applicant is requesting part 90 and 90.210, but I only see part 90 listed on the application. I have attached a corrected Form 731 to this email. Please replace the one previously sent.

Best,

Sandy Valentine

Flom Test Labs
Phone: 480 926-3100
Email: sandyv@mflom.com
Web : www.flomlabs.com

Confidential - The information in this message is only intended for the person(s) or organization(s) to whom it is addressed. If you are not that person, please contact the sender, and destroy this copy.

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

From: "Jennifer Sanchez" <jsanchez@metlabs.com>
To: "Sandy Valentine" <sandyv@mflom.com>, <jackie@mflom.com>
Date: Wed, 5 Nov 2008 14:26:46 -0800
Subject: **81250 MFlom - Request for Technical Information (FCC ID: ALH413602)**

11/18/2008

Jennifer Sanchez

From: Sandy Valentine [sandyv@mflom.com]
Sent: Tuesday, November 18, 2008 9:33 AM
To: Jennifer Sanchez
Subject: re[2]: 81250 MFlom - Request for Technical Information (FCC ID: ALH413602)
Attachments: TK-3302 Comp.JPG; TK-3302 Solder.JPG

Hello Jennifer:

I don't really understand why photos were requested on this particular filing and not on filing 81251 as they are practically the same radio. I actually received the grant on that filing from you this morning. Just FYI, these photos actually apply to both filings, so if you need to, you can file these two photos for both projects. Regardless, here are the photos.

Sandy Valentine

Flom Test Lab
Phone: 480 926-3100
Email: sandyv@mflom.com
Web : www.flomlabs.com

Confidential - The information in this message is only intended for the person(s) or organization(s) to whom it is addressed. If you are not that person, please contact the sender, and destroy this copy.

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

From: "Jennifer Sanchez" <jsanchez@metlabs.com>
To: "Sandy Valentine" <sandyv@mflom.com>
Date: Mon, 17 Nov 2008 10:58:21 -0800
Subject: **RE: 81250 MFlom - Request for Technical Information (FCC ID: ALH413602)**

HI sandy,

Thanks for the updated Form 731; can you please provide internal photos of the form factor?

J. Sanchez
TCB Administrator
MET Laboratories (Santa Clara, CA)
408-207-4785 Direct
408-829-1603 Cell
jsanchez@metlabs.com



From: Sandy Valentine [mailto:sandyv@mflom.com]
Sent: Monday, November 17, 2008 10:03 AM
To: Jennifer Sanchez
Subject: re: 81250 MFlom - Request for Technical Information (FCC ID: ALH413602)

Hello Jennifer:

11/18/2008