



L. S. Compliance, Inc.  
W66 N220 Commerce Court  
Cedarburg, Wisconsin 53012

Phone: 414 - 375 - 4400 Fax: 414 - 375 - 4248

# L. S. Compliance, Inc. MEMO

**Date:** February 11, 2000  
**To:** FCC – OET  
Mr. Errol Chang  
**From:** L. S. Compliance, Inc.  
Jim Blaha  
**Subject:** Written response to Correspondence Reference Number: 11999

Dear Joe,

Below is the formal response from Mr. Kamil Agi to your Correspondence Reference Number: 11999.

Please review and respond ASAP if there are any additional issues or questions that may hold up the processing of this filing.

Please respond at your earliest convenience to resolve these additional issues.

Thank you for your immediate consideration to Grant FCC Authorization for this filing.

Sincerely,

Jim Blaha  
L. S. Compliance, Inc.

## Response from Mr. Kamil Agi

To: Dr. Errol Chang - FCC Application Processing Branch  
From: Kamil Agi, President - K&A Wireless, LLC  
CC: Jim Blaha/Ken Boston - LS Research and Compliance  
Date: 2/11/00  
Re: FCC ID OPH-KAW1100 - Reference Number: 11999  
The following are my comments to correspondence reference number 11999:

For item #1:

Our modular transmitters are enclosed in a brass box for RF shielding purposes.

For item #2:

Our system consists of an A/D converter board for video, which converts the analog video to a digital data stream, and a radio board, which handles the spreading, upconversion and power amplification. The buffering of the video input occurs in two places (with respect to the external connector). The first is in the part HI1179, which is a video A/D converter. In addition, the video signal through the A/D converter is double buffered using two CY7C109-15VC (RAM devices). Secondly, we use a 74FCT164245TPA on the radio board to buffer the input data signals to the radio board from the A/D board.

For item #3:

All of our transmitters are provided with a separate regulated power supply board. As an OEM, we are providing the modular transmitter to our customers for final packaging. Since the requirements vary from customer to customer, the power supplies are provided external to the brass package. Our customers have been instructed not to tamper with any portion of the system, including the power supplies. **IN THE FINAL PACKAGE, the power supplies are NOT ACCESSIBLE TO THE END USER.**

For item #4:

All the modular transmitters will be provided with a reverse polarity SMA (RP-SMA) connector, which is a unique connector, to couple the antenna to the radio board. The antennas provided will be RP-SMA compatible.

For item #5:

The tests were all performed in the stand-alone configuration.

For item #6:

There are FCC labels currently on the modular transmitters. When the modular transmitter is private labeled, the customer requests that our company name does not appear on the final package of the product. Therefore, we propose that an alternative label be affixed to the final package in a visible location that states the following:

The internal 2.4 GHz spread spectrum transmitter has been filed with the FCC under FCC ID# OPH-KAW1100.

We, as the OEM, will request that the customer affix the label to the outside of their final package to reference the transmitter.

As a manufacturer, we will include this label on the outside of the final package in a visible location.

\*\*\*\*\*  
 \*\*\*\*\*  
 Kamil Agi, Ph.D.  
 K&A Wireless, LLC  
 6212B Antigua, NE  
 Albuquerque, NM 87111  
 (505) 237-0847 Phone  
 (505) 237-0873 Fax  
 e-mail: [kagi@ka-wireless.com](mailto:kagi@ka-wireless.com)  
 URL: [www.ka-wireless.com](http://www.ka-wireless.com)  
 \*\*\*\*\*

**Original e-mail Correspondence Number 11999**

-----Original Message-----  
 From: OET [<mailto:oetech@fccsun07w.fcc.gov>]  
 Sent: Wednesday, February 09, 2000 2:07 PM  
 To: [kagi@ka-wireless.com](mailto:kagi@ka-wireless.com)  
 Subject: Information requested

To: Kamil Agi, K & A Wireless, LLC  
 From: Errol Chang  
[echang@fcc.gov](mailto:echang@fcc.gov)  
 FCC Application Processing Branch

Re: FCC ID OPH-KAW1100  
Applicant: K & A Wireless, LLC  
Correspondence Reference Number: 11999  
731 Confirmation Number: EA95933  
Date of Original E-Mail: 02/09/2000

In order to get approval for a modular transmitter the following requirements must be met - please confirm

1. Modular transmitters must have its own RF shielding
2. Modular transmitters must have buffered modulation/data inputs (if such inputs are provided)
3. Modular transmitters must have its own power supply regulation.
4. Modular transmitters must have an antenna which complies with the requirements of Section 15.203 to be permanently attached or employ a "unique" antenna coupler.
5. Modular transmitters must be tested in a stand - alone configuration, i.e., the antenna, AC or DC power and data input/output lines must be connected to the module but, the module must not be inside another case during testing.
6. Modular transmitters must be labelled with its own FCC ID number, and if the FCC ID is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.

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 pursuant to Section 2.917 (c) and forfeiture of the filing fee pursuant to section 1.1108.

DO NOT reply to this e-mail by using the Reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet at [www.fcc.gov](http://www.fcc.gov), Electronic Filing, OET Equipment Authorization Electronic Filing. If the response is submitted through Add Attachments, in order to expedite processing, a message which informs the processing staff that a new exhibit has been submitted must also be submitted via Submit Correspondence. 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