

**Information about the Applicant**

<b>Grantee (Company Name)</b>	Quatech Inc
<b>FCC Contact Person</b>	Steven Runkel
<b>Address</b>	5675 Hudson Industrial Parkway
<b>City, State, Zip</b>	Hudson, Ohio 44236
<b>Job Number</b>	QUAT0001
<b>Model</b>	WLRG-RA-DP101
<b>FCC ID</b>	F4AWLNG1
<b>Approval Type</b>	Class II Permissive Change
<b>Equipment Class</b>	DTS Digital Transmission System
<b>Rule Part</b>	15C

**Overview**

Class II permissive change to authorize 2 additional antennas for previously authorized radio FCC ID:F4AWLNG1. MPE estimates have been submitted to show compliance with RF exposure requirements.

**Recommendation**

All items have been resolved and completed to my satisfaction; therefore I recommend this application for approval.

**Signature**

Dave Tolman, TCB Committee  
1/27/2009

**Findings**

<b>Opinions</b>	
<b>Specification Requirements</b>	<b>Description</b>
<b>47 cfr 2.925</b>	FCC Identifier
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	Previously certified.
<b>Reference</b>	F4AWLNG1 Grant

<b>Specification Requirements</b>	<b>Description</b>
<b>47 Cfr 2.1033(b)(3)</b>	Installation guide, operating instructions,user manual
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	User Manual Airborne WLRG-RA-DP101 802.pdf

<b>Specification Requirements</b>	<b>Description</b>
<b>47 Cfr 2.1033(b)(5)</b>	Frequency block diagram and Schematic diagram
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	User Manual Airborne WLRG-RA-DP101 802.pdf

<b>Specification Requirements</b>	<b>Description</b>
<b>47 cfr 2.1033(b)(6)</b>	Test Report
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	Report-QUAT0001 Rev 02.pdf

<b>Specification Requirements</b>	<b>Description</b>
<b>47 Cfr 2.1033(b)(6)</b>	Conversions showing how the test results were achieved
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	Report-QUAT0001 Rev 02.pdf

<b>Specification Requirements</b>	<b>Description</b>
<b>Required Exhibit</b>	Test Setup Photo Exhibit
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	Test setup photos Report-QUAT0001.pdf

Specification Requirements	Description
<b>47 Cfr 1.1307(b),2.1091,2.1093</b>	RF Exposure Hazzard
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	RF Exposure Antenex.pdf, RF Exposure Laird.pdf

Specification Requirements	Description
<b>47 Cfr 15.19</b>	Labeling
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	User Manual Airborne WLRG-RA-DP101 802.pdf

Specification Requirements	Description
<b>47 Cfr 15.21</b>	Information for user
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	User Manual Airborne WLRG-RA-DP101 802.pdf

Specification Requirements	Description
<b>47 Cfr 15.27</b>	Special accessories
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	Report-QUAT0001 Rev 2.pdf

Specification Requirements	Description
<b>47 Cfr 15.33</b>	Frequency range of tests
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	Report-QUAT0001 Rev 2.pdf

Specification Requirements	Description
<b>47 Cfr 15.35</b>	Measurement detectors
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	Report-QUAT0001 Rev 2.pdf

Specification Requirements	Description
<b>47 Cfr 15.203</b>	Antenna Requirements
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	Antenna Info - Omni.pdf, Antenna Info - PCB Trace.pdf

Specification Requirements	Description
<b>47 Cfr 15.209</b>	Spurious Emissions
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	Report-QUAT0001 Rev 02.pdf

Specification Requirements	Description
<b>47 Cfr 15.247(b)</b>	Output Power
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit for power output setting of 15.
<b>Reference</b>	Report-QUAT0001 Rev 02.pdf

Specification Requirements	Description
<b>47 Cfr 15.247(d)</b>	Spurious Radiated Emissions
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	Report-QUAT0001 Rev 02.pdf

Specification Requirements	Description
<b>47 Cfr 15.247(i)</b>	RF Exposure Requirements
<b>Opinion</b>	The device meets the requirements of the rule.
<b>Discussion</b>	The client has provided the necessary exhibit.
<b>Reference</b>	RF Exposure Antenex.pdf, RF Exposure Laird.pdf