

Rhein Tech Laboratories, Inc.
360 Herndon Parkway
Suite 1400
Herndon, VA20170
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Client: Harris Corporation
Model: XG-100M
ID's: AQZ-XG-100M00/122D-XG100M00
Standards: FCC Part 80&90/IC RSS-119
Report #: 2011157

Appendix A: Change Description

Please refer to the following pages.



HARRIS CORPORATION

221 Jefferson Ridge Parkway
Lynchburg, VA 24501
www.harris.com

October 20, 2011

ACB, Inc.
6731 Whittier Avenue
Suite C110
McLean, VA 22101

Subject: FCC ID: AQZ-XG-100M00

Change Statement

The Class 2 Permissive Change applied for with this filing incorporates the following changes in the original product type certified.

- 1.) The marine band analog emission designator is corrected to 16K0F3E. This corrects an oversight in the original filing.
- 2.) The H-CPM emission designator last three characters are to be changed from G1D/E to G7D/E. This corrects an oversight in the original filing. Modulation has not changed, nor has any aspect of the product as originally tested. The modulator continues to be an I & Q device operating as a frequency modulator.
- 3.) An additional mobile antenna has been added to the product offering. MPE report and antenna data sheet are included as filing exhibits. The User and Installation manual have been revised for inclusion, and are provided as exhibits in this filing as well.
- 4.) 30 to 50 MHz band operation is being enabled in the product, with conducted power operation at 9 mW. No hardware or PCB changes have been made. The transmission capability in this band has been in the product from the beginning, but has now been finalized and is requested to be added to the certification. This band output is intended to be used as excitation drive for a yet to be developed (or commercially purchased) external amplifier.

Daryl Popowitch
Regulatory Manager

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IC: 122D-XG100M00

G1D/E to G7D/E Change Statement

The last three characters of the G1D/E Grant listed emission designators are requested to be change to G7D/E.

H-CPM mode is two channel TDMA. The character of 7 is used to specifically identify transmissions with more than one channel. This was an oversight in the original filing and the product has not had any changes.

The specific emission designators that are to be changed, are as shown on the next pages (marked up Grant), showing which frequency bands and specific emission designators impacted.

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TCB

GRANT OF EQUIPMENT
AUTHORIZATION

TCB

Certification
Issued Under the Authority of the
Federal Communications Commission
By:

ACB, Inc.
6731 Whittier Avenue Suite C110
McLean, VA 22101

Date of Grant: 05/24/2011

Application Dated: 05/23/2011

Harris Corporation RF Communications Division
1680 University Avenue
Rochester, NY 14610

Attention: C. Stoltz III, Senior Principal Engineer

NOT TRANSFERABLE

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is VALID ONLY for the equipment identified hereon for use under the Commission's Rules and Regulations listed below.

FCC IDENTIFIER: AQZ-XG-100M00
Name of Grantee: Harris Corporation RF Communications Division
Equipment Class: Licensed Non-Broadcast Station Transmitter
Notes: Unity MultiBand Mobile

Grant Notes	FCC Rule Parts	Frequency Range (MHZ)	Output Watts	Frequency Tolerance	Emission Designator
EF	80, 90	136.0 - 174.0	52.5	0.5 PM	11K0F3E
EF	80, 90	136.0 - 174.0	52.5	0.5 PM	8K40F1D
EF	80, 90	136.0 - 174.0	52.5	0.5 PM	8K40F1E
EF	80, 90	136.0 - 174.0	52.5	0.5 PM	12K0G1D
EF	80, 90	136.0 - 174.0	52.5	0.5 PM	12K0G1E
EF	90	380.0 - 520.0	52.5	0.5 PM	11K0F3E
EF	90	380.0 - 520.0	52.5	0.5 PM	8K40F1D
EF	90	380.0 - 520.0	52.5	0.5 PM	8K40F1E
EF	90	380.0 - 520.0	52.5	0.5 PM	12K0G1D
EF	90	380.0 - 520.0	52.5	0.5 PM	12K0G1E
EF	90	763.0 - 775.0	26.3	0.5 PM	11K0F3E
EF	90	763.0 - 775.0	26.3	0.5 PM	8K40F1D
EF	90	763.0 - 775.0	26.3	0.5 PM	8K40F1E
EF	90	763.0 - 775.0	26.3	0.5 PM	12K0G1D
EF	90	763.0 - 775.0	26.3	0.5 PM	12K0G1E
EF	90	793.0 - 805.0	26.3	0.5 PM	11K0F3E
EF	90	793.0 - 805.0	26.3	0.5 PM	8K40F1D
EF	90	793.0 - 805.0	26.3	0.5 PM	12K0G1D
EF	90	793.0 - 805.0	26.3	0.5 PM	12K0G1E
EF	90	806.0 - 809.0	37.2	0.5 PM	11K0F3E
EF	90	806.0 - 809.0	37.2	0.5 PM	8K40F1D
EF	90	806.0 - 809.0	37.2	0.5 PM	8K40F1E
EF	90	806.0 - 809.0	37.2	0.5 PM	14K0F3E
EF	90	806.0 - 809.0	37.2	0.5 PM	12K0G1D
EF	90	806.0 - 809.0	37.2	0.5 PM	12K0G1E
EF	90	809.0 - 824.0	37.2	0.5 PM	14K0F3E

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90		809.0 - 824.0	37.2	0.5 PM	11K0F3E
90		809.0 - 824.0	37.2	0.5 PM	8K40F1D
90		809.0 - 824.0	37.2	0.5 PM	8K40F1E
90	12 →	809.0 - 824.0	37.2	0.5 PM →	12K0G1D
90	→	809.0 - 824.0	37.2	0.5 PM →	12K0G1E
90		851.0 - 854.0	37.2	0.5 PM	11K0F3E
90		851.0 - 854.0	37.2	0.5 PM	8K40F1D
90		851.0 - 854.0	37.2	0.5 PM	8K40F1E
90	14 →	851.0 - 854.0	37.2	0.5 PM →	12K0G1D
90	→	851.0 - 854.0	37.2	0.5 PM →	12K0G1E
90		854.0 - 869.0	37.2	0.5 PM	16K0F3E
90		854.0 - 869.0	37.2	0.5 PM	11K0F3E
90		854.0 - 869.0	37.2	0.5 PM	8K40F1D
90		854.0 - 869.0	37.2	0.5 PM	8K40F1E
90	16 →	854.0 - 869.0	37.2	0.5 PM →	12K0G1D
90	→	854.0 - 869.0	37.2	0.5 PM →	12K0G1E
90		793.0 - 805.0	26.3	0.5 PM	8K40F1E

EF

Daryl Popowitch
Regulatory Manager