

KB2XSY Modification

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Seattle, WA

Submitted by:

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The purpose of this modification is to add use of SATCOM transceivers, additional emission designators and increase the ERP power level. This license supports integration and testing of INMARSAT compatible equipment and systems for use onboard commercial aircraft. Various types of INMARSAT equipment will be used in order to perform system integration and testing on various avionics configurations. The testing and integration will only use equipment that has been approved by INMARSAT for operation on their satellite network.

The following Frequency, Power and Emissions will be used in support of common aeronautical INMARSAT type services:

Frequency	Power (ERP)	Emission
1626.5 – 1660.5	950 Watts	25K0G1W
1626.5 – 1660.5	950 Watts	25K0G7W
1626.5 – 1660.5	950 Watts	50K0G1W
1626.5 – 1660.5	950 Watts	50K0G7W
1626.5 – 1660.5	950 Watts	50K0D1W
1626.5 – 1660.5	950 Watts	50K0D7W
1626.5 – 1660.5	950 Watts	100KG1W
1626.5 – 1660.5	950 Watts	100KG7W
1626.5 – 1660.5	950 Watts	100KD1W
1626.5 – 1660.5	950 Watts	100KD7W
1626.5 – 1660.5	950 Watts	200KG1W
1626.5 – 1660.5	950 Watts	200KG7W
1626.5 – 1660.5	950 Watts	200KD1W
1626.5 – 1660.5	950 Watts	200KD7W
1626.5 – 1660.5	950 Watts	40K0D1W
1626.5 – 1660.5	950 Watts	8K40G1D
1626.5 – 1660.5	950 Watts	1K68G1D
1626.5 – 1660.5	950 Watts	10K5G1D
1626.5 – 1660.5	950 Watts	21K0G1D
1626.5 – 1660.5	950 Watts	840HG1D

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This testing will involve use of INMARSAT service provided through an INMARSAT service provider, and will require the use of INMARSAT satellites 3F3, 3F4, 4F2, and 4F3.