



GE MDS

175 Science Parkway, Rochester, New York 14620 USA

(585) 242-9600 Phone

(585) 242-9620 Fax

March 11th, 2011

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road

Columbia, MD 21046

U.S.A.

Subject: OEM Integration for the SF9 LMA module

Applicant: GE MDS LLC.

Product: SF9

Model: MDS SF9

FCC ID: E5MDS-SF9

Dear Sir/Madam,

The SF9 design was undertaken for a specific customer, “E-PRODUCTIONS”, they are one of our OEM large customers.

<http://www.ep-solutions.com/>

E-productions funded the development of the SF9 module. The module form fit and function were supplied to GE MDS. We were required to meet their dimensions and interfaces. They will supply DC to the module from the exact circuit that was placed in the manual. The regulator schematic was supplied by our customer, this is exactly how it the unit will be used.

When the transmitter module is operating with 3.3vdc, there is a “closed loop RF power control” that uses a precision RF detector and “AtoD” converter to maintain the transmitter power with the respective PWR setting chosen, this will operate from +20 to +30dBm, 1dB increments. High gain antenna’s were tested at Elliott labs using this closed loop power RF power control thus maintaining the +36dBm ERP limits. If the voltage dips below or above +3.3vdc the “FWD PWR” control compensates to maintain the programmed RF level.

This module will only be sold to the customer E-Productions.

If you have any queries, please do not hesitate to contact me at 585 242-8440:

Yours truly,

Signed:  Name: Dennis McCarthy

Dennis McCarthy
Agency Compliance Engineer
GE MDS LLC
175 Science Parkway
Rochester NY 14620
Phone (585) 242-8440
Email Dennis.McCarthy2@GE.com