



Dec. 27, 2000

FEDERAL COMMUNICATIONS COMMISSION

7435 Oakland Mills Road
Columbia, MD 21046
USA

Subject: FCC Certification Authorization Application under FCC PART 15, Subpart C, Sec. 15.209 - Low Power Transmitters operate at 6.3 GHz.

Product: SIEMENS MILLTRONICS RADAR LEVEL GAUGE (6.3 GHZ)
Model No.: IQ RADAR 300
FCC ID: NJA-IQ300

Dear Sir/Madam

As appointed agent for SIEMENS MILLTRONICS PROCESS INSTRUMENTS INC., we would like to submit the application to the Federal Communications Commission for certification of the above product. Please review all necessary files uploaded to FCC OET site for detailed information.

- Operational/Applicable Characteristics of Operation:

The transmitter is only designed to radiate a 6.3 GHz RF signal inside a tank/ vessel, which may be made of any of material such as plastic, metal, concrete and etc The 6.3 GHz RF signal radiates downward to the bottom of the tank/vessel. With the support of proper enclosure shielding, no rf signal shall be radiated to the free space outside the tank with the distance more than 1 meter from the antenna.

- Test Setup for Radiated Emissions:

In all application, the IQ RADAR 300 is required to be mounted on top the tank/vessel with the antenna fitted inside the tank and faced downward to the bottom of the tank (ground). Therefore, the transmitter will be tested in the open area with the antenna points downward to the ground. This will represent the worst case among its application in any tanks/vessels. No RF emissions shall be observed at a 1 meter distance from the transmitting antenna.

- Compliance with RF Exposure Requirements:

In all application, the IQ RADAR 300 is required to be mounted on top the tank/vessel with the antenna fitted inside the tank. No users can possibly reach close to the antenna under its operation. Therefore, no RF Exposure Warning is necessary per FCC 2.1091 since the radius of tanks/vessels are always greater than the RF Safety Distance required.

If you have any queries, please do not hesitate to contact us.

Yours truly,



Tri Minh Luu, P. Eng.,
V.P., Engineering

Encl



3000 Bristol Circle
Oakville, Ontario, Canada
L6H 6G4

Telephone (905) 829-1570
Facsimile (905) 829-8050

Website: www.ultratech-labs.com
Email: tri.luu@sympatico.ca
vhk.ultratech@sympatico.ca