

Report Number: 06-0008

Issue Date: April 18, 2006

Customer: Sicom test s.r.l.

Model: GE863-QUAD / GE863-PY Modular Transmitter

2.10 Spurious Emissions at Antenna Terminals (FCC Section 2.1051)

Spurious emissions appearing at the antenna terminals were measured with a spectrum analyzer by connecting the spectrum analyzer directly via a short cable to the antenna output terminals or across the antenna leads on the PCB as specified by the manufacturer. Results are shown in Figures 6a – 6d.

Protection of the radio-navigation-satellite service. Mobile earth stations operating in the 1610-1626.5 MHz band shall limit out-of- band emissions in the 1574.397-1576.443 MHz band so as not to exceed an e.i.r.p. density level of -70 dB (W/MHz) averaged over any 20 ms period. The e.i.r.p. of any discrete spurious emission (i.e., bandwidth less than 600 Hz) in the 1574.397-1576.443 MHz band shall not exceed -80 dBW.

FCC Minimum Standard (FCC Section 24.238)

On any frequency outside a licensee's frequency block, the power of any transmission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.

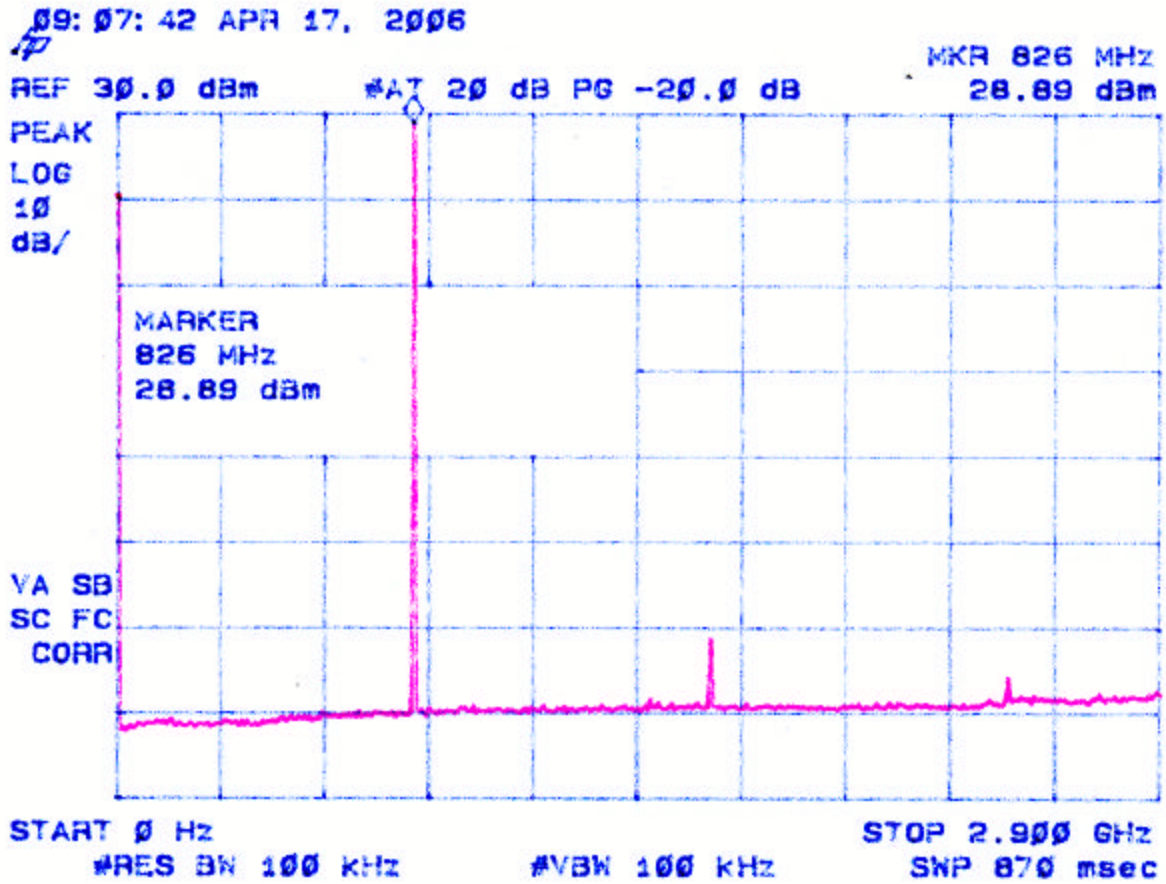
Report Number: 06-0008

Issue Date: April 18, 2006

Customer: Sicom test s.r.l.

Model: GE863-QUAD / GE863-PY Modular Transmitter

Figure 6a.
Spurious Emissions at Antenna Terminals



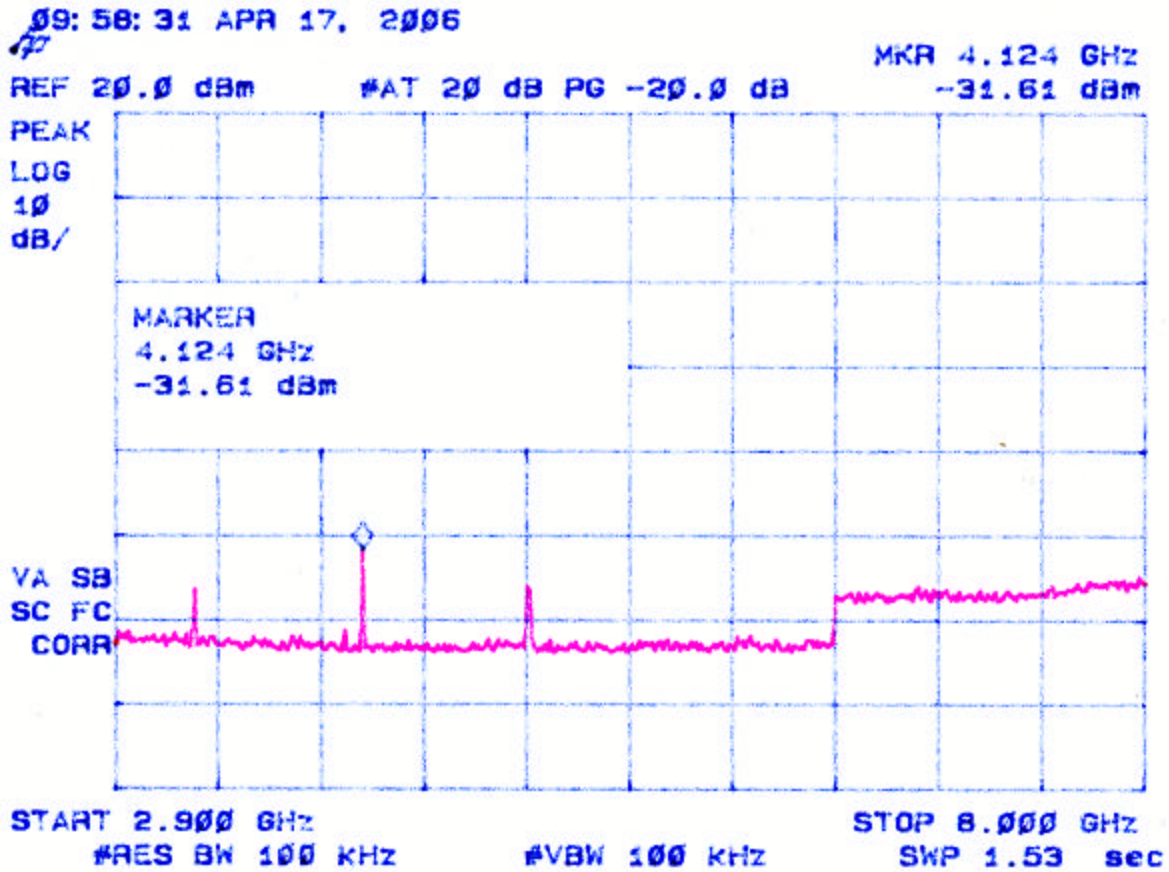
Report Number: 06-0008

Issue Date: April 18, 2006

Customer: Sicom test s.r.l.

Model: GE863-QUAD / GE863-PY Modular Transmitter

Figure 6b.
Spurious Emissions at Antenna Terminals



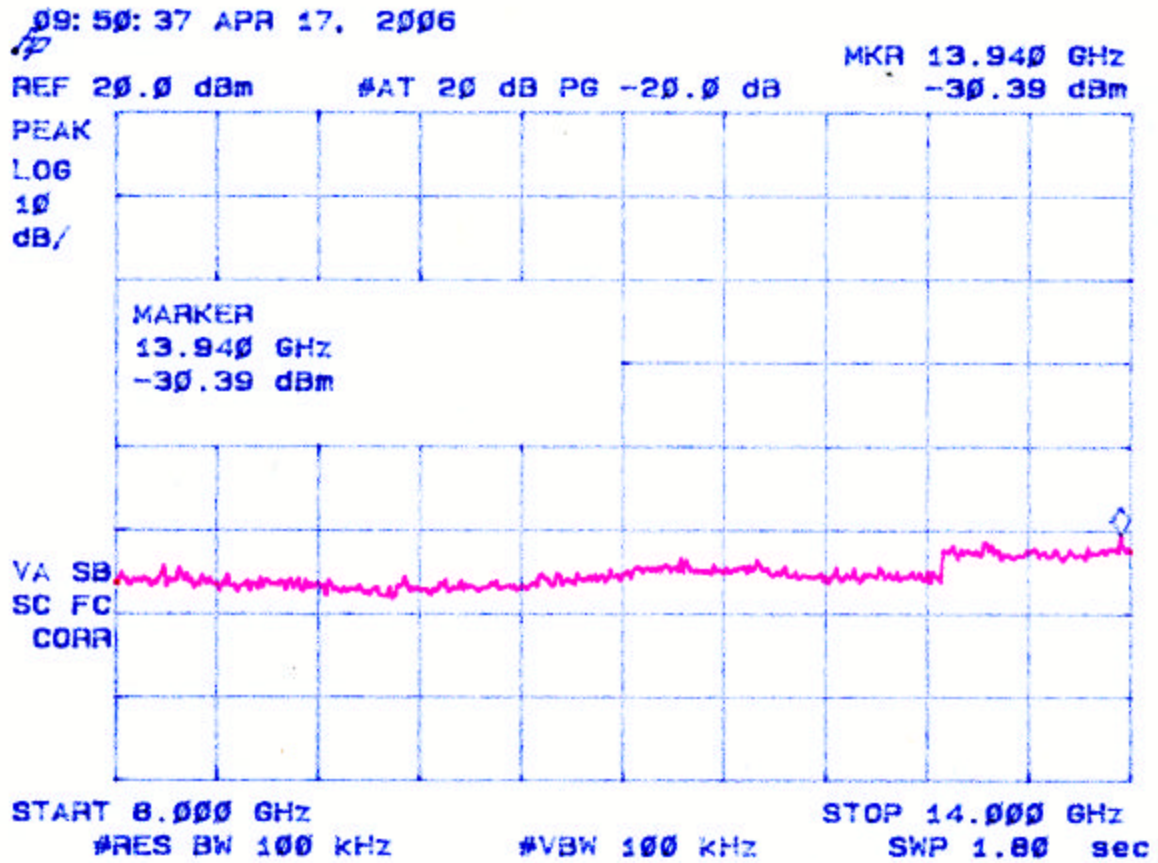
Report Number: 06-0008

Issue Date: April 18, 2006

Customer: Sicom test s.r.l.

Model: GE863-QUAD / GE863-PY Modular Transmitter

Figure 6c.
Spurious Emissions at Antenna Terminals



Report Number: 06-0008

Issue Date: April 18, 2006

Customer: Sicom test s.r.l.

Model: GE863-QUAD / GE863-PY Modular Transmitter

Figure 6d.
Spurious Emissions at Antenna Terminals

