

U.S. Technologies, Inc.

FCC Part 25 Certification

Report Number: 03-0340

Issue Date: September 29, 2003

Customer: Axonn, L.L.C.

Model: AXTracker

FCC ID: : L2VAXTRACKER

2.12 Emissions from Mobile Earth Stations for Protection of Aeronautical Radionavigation-Satellite Service. (FCC Section 25.216)

Emissions from the EUT were evaluated from 1559 MHz – 1605 MHz and did not exceed the limit at -70dBW/MHz, averaged over 20 milliseconds.

Emissions from the EUT were evaluated from 1605 MHz – 1610 MHz and did not exceed the limits ranging from -70 dBW/MHz at 1605 MHz to -10dBW/MHz at 1610 MHz, averaged over 20 milliseconds.

Emissions were measured with a spectrum analyzer by connecting the spectrum analyzer directly via a short cable to the antenna output terminal with the Resolution Bandwidth set to 1 MHz. Results are shown on figures 7a -7c.

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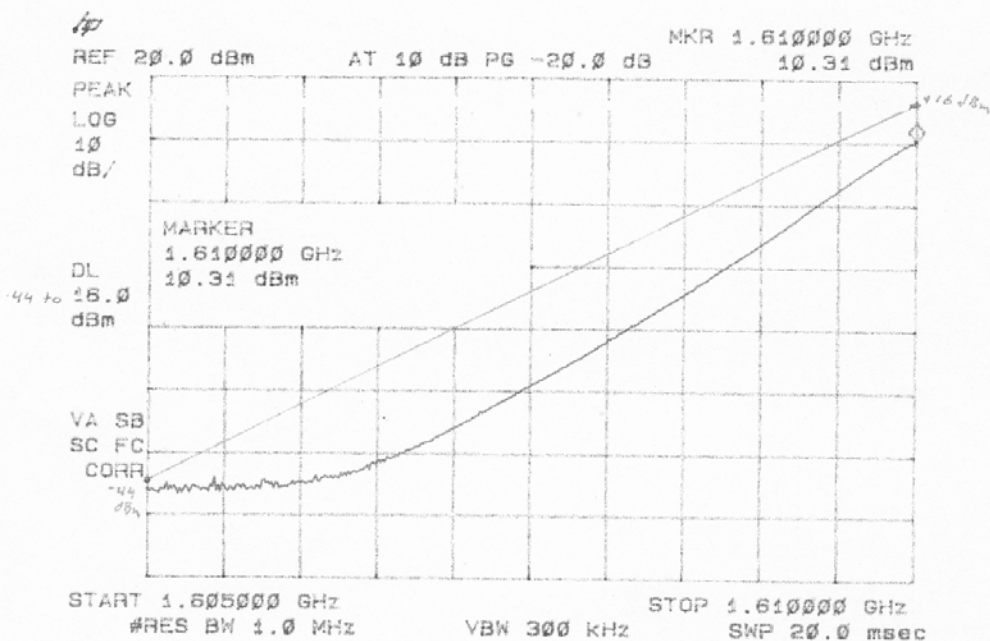
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Figure 7a.
Emissions from Mobile Earth Stations for Protection
of Aeronautical Radionavigation-Satellite Service

Limit = - 70 dBW/ MHz to -10 dBW/MHz + 4 dBi (-44 dBm to +16 dBm)



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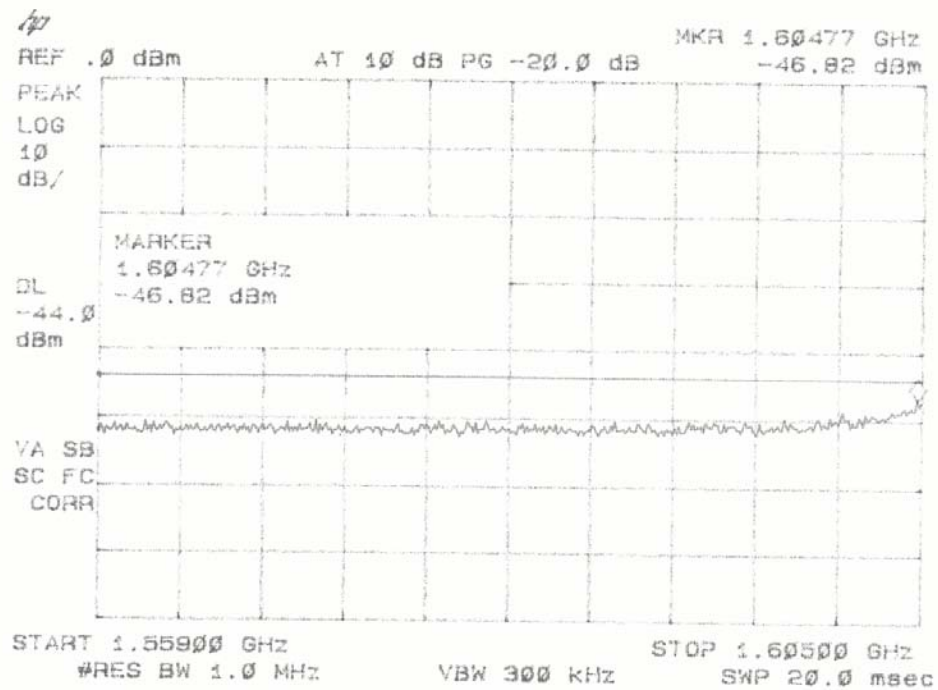
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Figure 7b.
Emissions from Mobile Earth Stations for Protection
of Aeronautical Radionavigation-Satellite Service

Limit = - 70 dBW/MHz + 4 dBi (-44 dBm)



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Figure 7c.
Emissions from Mobile Earth Stations for Protection
of Aeronautical Radionavigation-Satellite Service

Limit = -70 dBW/MHz to -10 dBW/MHz + 4 dBi (-44 dBm to +16dBm)

