

Exhibit 6B – Test Report Addendum
SATELLITE SYSTEMS DISTRIBUTION (SSD)

Active Iridium Antenna

FCC ID: MIJAD510

Model No. AD510-10

6.0B Global Navigation Satellite System Scans

6.1B Test Description

The out-of-band emissions in the 1559-1610 MHz band were measured per 47 CFR Part 25, Section 25.216, to assure protection of aeronautical radionavigation-satellite services. The requirements are that the emissions do not exceed -70 dBW/MHz (-40 dBm/MHz) averaged over 20 msec, in the 1559-1605 MHz band or a level in the 1605-1610 MHz band determined by linear interpolation from -70 dBW/MHz at 1605 MHz to -10 dBW/MHz (+20 dBm/MHz) at 1610 MHz. The EIRP of discrete emissions of less than 700 Hz bandwidth from mobile earth stations shall not exceed -80 dBW (-50 dBm), averaged over 20 msec, in the 1559-1605 MHz band.

6.2B Test Measurement Procedure

Since there was no direct interface to the power amplifier output of the AD510-10, these out-of-band emissions were measured using radiated emission measurement procedures. The measurements were conducted for both wideband and narrowband emissions using 1 MHz and 1 kHz bandwidths, respectively. Since typical receivers do not have 700 Hz bandwidths a 1 kHz bandwidth was used as a worst case scenario.

The emissions were measured with the Iridium Subscriber Unit (ISU) transmitting at the maximum output power in Channels 3, 120, and 238. All three channels provided similar results. A gated average measurement was used to determine the emission levels with the sync pulse (frame tick) from the ISU connected to the external sync of the Rohde & Schwarz ES17 Receiver. Initially, the carrier was maximized and subsequently the out-of-band emissions were measured in the 1559-1610 MHz bands. The worst case plots for these scans are shown in the attached pages.

6.3B Test Results

The EIRP limits provided above can be converted to field strength in dBuV/m using the following equation:

$$FS \text{ (dBuV/m)} = \text{EIRP (dbm)} - 20 \log (R) + 104.77 ; \text{ where } R = 3 \text{ meters}$$

Therefore, the applicable limits for this test are as follows:

EIRP (dBm)	Field Strength (dBuV/m)
-40	55.2
-50	45.2
-10	115.2

These limits are displayed on the attached graphs and indicate that the ISU, when used in conjunction with the AD510-10 active antenna, is compliant with the requirements for protection of the radionavigation-satellite services. The appropriate antenna factors have been included as a transducer factors as indicated by the "TDF" displayed to the right of the graph. The applicable cable loss was also included as an amplitude offset (4 dB was worst case across the band) to the levels measured from the AD510-10.

Figure 6.0B-1 GNSS Wideband Out-of-Band Emissions, 1559-1605 MHz

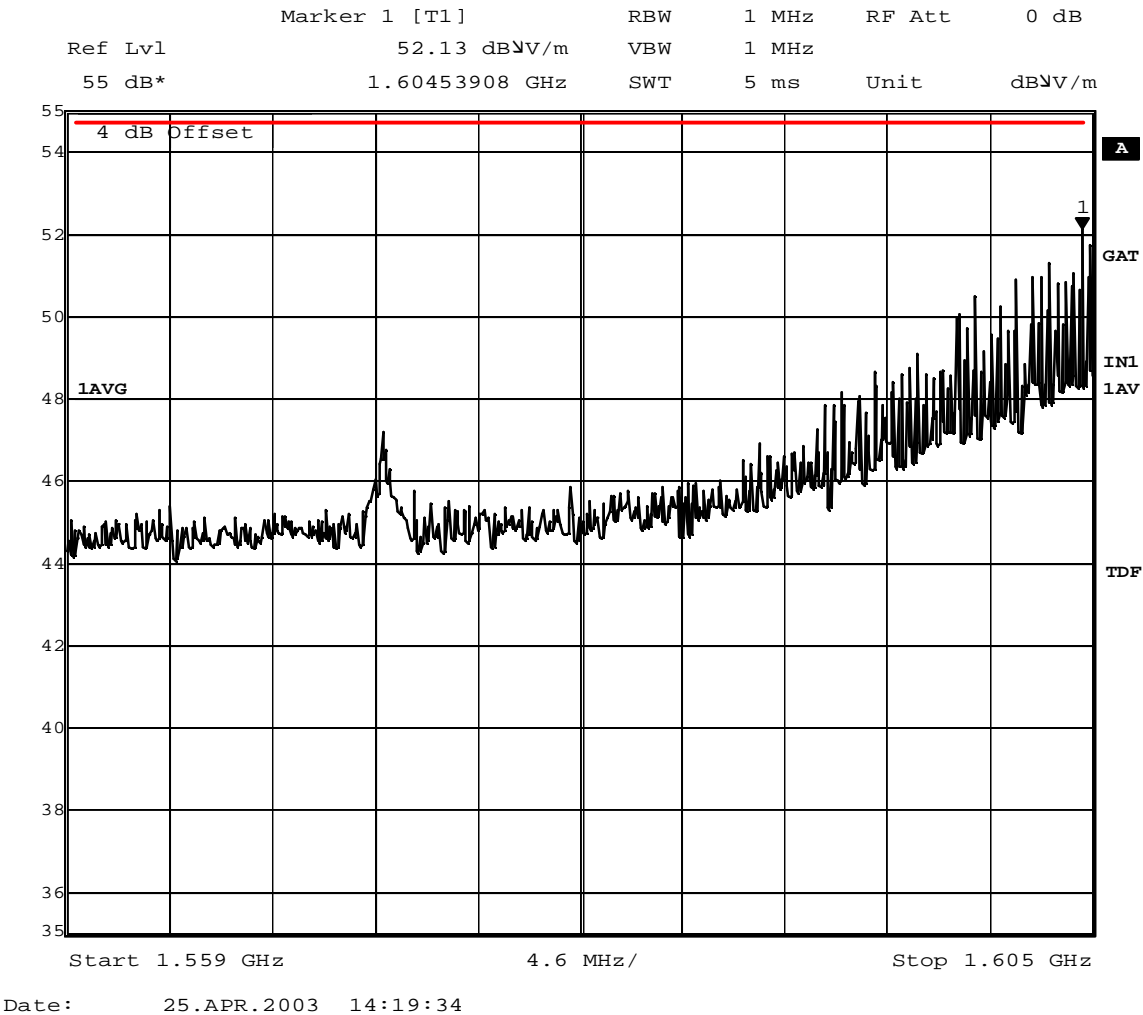


Figure 6.0B-2 GNSS Wideband Out-of-Band Emissions, 1605-1610 MHz

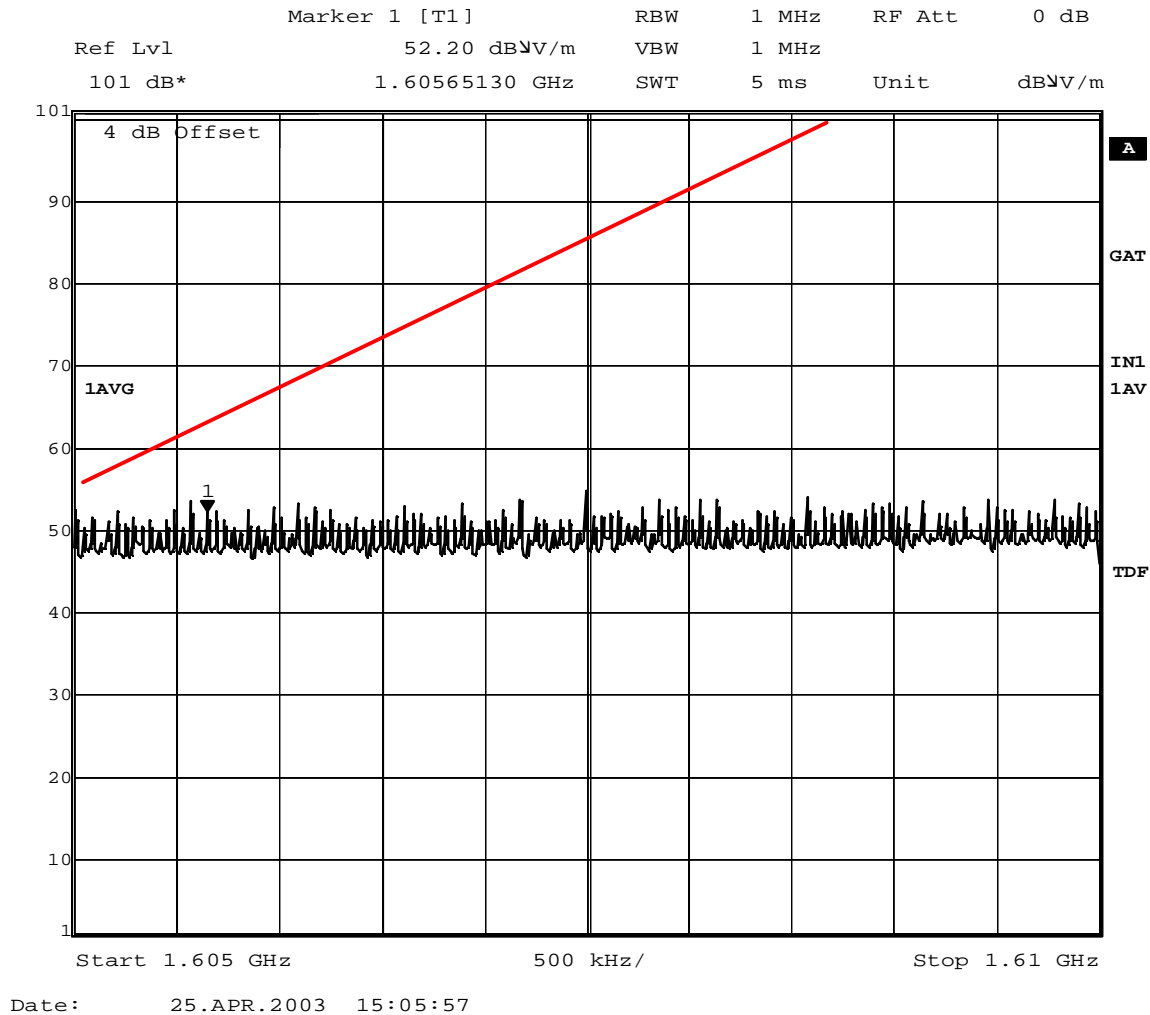


Figure 6.0B-2 GNSS Narrowband Out-of-Band Emissions, 1559-1605 MHz

