

Supplemental Information and Request for Waiver

Harris Corporation ("Harris") hereby submits the following supplemental information to its FCC Form 312 Earth Station application filed on March 31, 2009 requesting authority to operate a C Band transmit/receive satellite earth station located in Grand Isle, LA (See FCC File No. SES-LIC-20090331-00387).¹

- Specifically, Harris hereby corrects FCC Form 312, Schedule B, Item E38 to read **0.13**. The previously reported value of 0.07 was incorrect.
- For reference, included herewith as *Exhibit 1A*, Harris also transmits the receive pattern for the proposed antenna installation for the Grand Isle, LA site (*Prodelin Model 1244*).

Request for Waiver

In connection with its FCC Form 312 Earth Station application filed on March 31, 2009, Harris Corporation hereby requests a waiver to FCC Part 25.218 (d)(1) for 1.5° O ⊙ O 7° for downlink (receive) operations only. The antenna (*Prodelin Model 1244*) exceeds the FCC limits between 1.5° and 2.25°; at all other off-axis angles the earth station antenna is in compliance. At these off-axis angles and the amount of non-conformance, Harris believes the impact to its own operations will be minimal, and Harris waives any protection the FCC would otherwise afford from interference originating from sources between 1.5° and 2.25. These operations will not cause interference to any other operations.

¹ On March 31, 2009 Harris Corporation also filed a Special Temporary Authority request to operate the proposed Grand Isle, LA facilities (See File No. SES-STA-20090331-00392).

Exhibit 1A

File: See Legend

Prodelin 2.4M 4-Pc
Receive / Transmit
Offset Antenna System
C-Band Linear

Frequency : 3.950 GHz

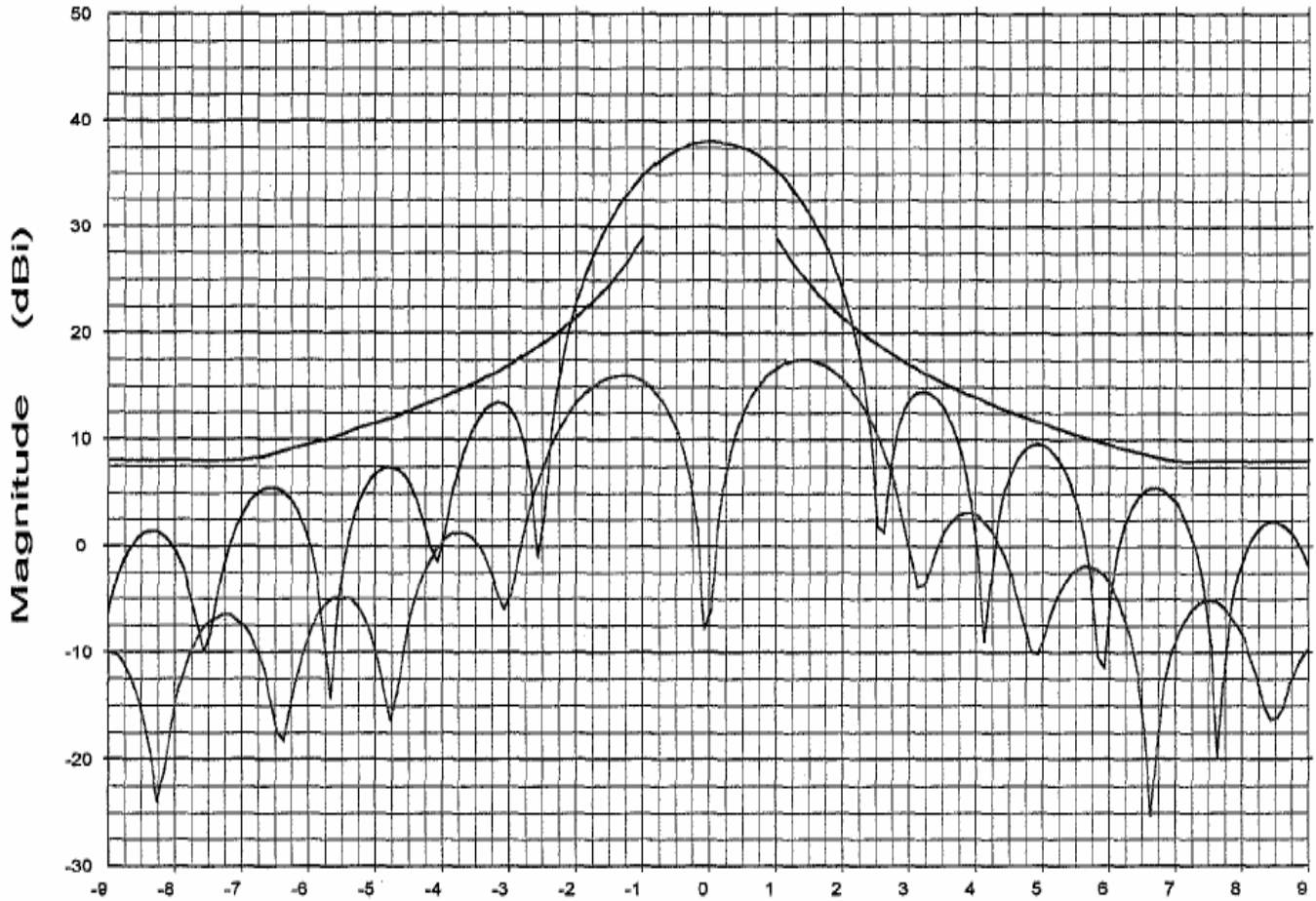
Operator: Ken Poovey

Ser. no.:

Channel: test

Tx pol: Horiz.

Rx pol: Horiz.



Sidelobe Envelope: $29 - 25 \log(\theta) \sim 100 \lambda / D$ to 7 Deg
8 dBi ~ 7 to 9.2 Deg | $32 - 25 \log(\theta) \sim 9.2$ to 48 Deg
-10 dBi ~ 48 to 180 Deg

Azimuth (Deg)

Overlays

064549.DAT-ant_under_test

Cal. file

064549.DAT

units

dBi

Beam Peak

Deg

0.03 38.02

064552.DAT-ant_under_test

064552.DAT

dBi

1.33 17.52