

Towanda Bryant

From: Baruch, Stephen D. [SBaruch@lermansenter.com]
Sent: Friday, June 17, 2011 5:16 PM
To: Towanda Bryant
Cc: Paul Blais; STEVEN.DOIRON@HUGHES.COM
Subject: SES-MOD-20110610-00694 and SES-STA-20110610-0699 -- Call Sign E940441
Attachments: E940441_1994_Modification_Application_Worksheets_and_License.pdf

Ms. Bryant:

We have looked into the situation you report more closely, and here is what we've found:

The power levels for maximum input at the antenna flange and maximum aggregate output EIRP for all carriers which we submitted to you in a previous email are as currently authorized. I attach a copy of the last technical modification of E940441 from 1994, when the station was licensed to AT&T (which it was until the license was assigned to Hughes just a few years ago). There you will see the 71.3 dBW EIRP value. When we compute the flange power density from the values in the license, as you did, there is indeed a .4 dB exceedance of the routine processing level.

Hughes, as noted, is proposing no change in the technical plant currently authorized, other than the site relocation. That said, and recognizing that Hughes's USG customer needs to have approval of the related pre-grant STA in order to resume use of the antenna at the new site by July 1, Hughes is prepared to reduce the power at the input of the antenna flange to 38.9 Watts; reduce the EIRP to 70.9 dBW, and reduce the EIRP density to 41.0 dBW/4 kHz (down from its authorized level in the license of 41.4 dBW/4 kHz). We can accept this as a condition of the STA and modified license, and can amend the modification application and the pre-grant STA (referenced above, which Hughes's USG customer needs by July 1) to reflect these values if the Commission prefers. Please note that the aggregate EIRP density and carrier numbers in Sections B and E of the license are the same, as the station transmits only one carrier at a time.

We hope that this explanation and statement of intent suffices, and look forward to how you wish us to proceed from here.

Best regards,

Stephen Baruch
Counsel for HNS License Sub, LLC

From: Towanda Bryant [Towanda.Bryant@fcc.gov]
Sent: Wednesday, June 15, 2011 5:39 PM
To: Baruch, Stephen D.
Cc: STEVEN.DOIRON@HUGHES.COM
Subject: RE: SES-MOD-20110610-00694, E940441

[Please see attached auto grant sheet, power issues with those figures.](#)

Tnx. T.

From: Baruch, Stephen D. [mailto:SBaruch@lermansenter.com]
Sent: Wednesday, June 15, 2011 5:35 PM
To: Towanda Bryant
Cc: STEVEN.DOIRON@HUGHES.COM
Subject: RE: SES-MOD-20110610-00694, E940441

6/17/2011

Ms. Bryant:

HNS License Sub, LLC ("Hughes") has advised that the antenna for Call Sign E940441 – as authorized under File No. SES-MOD-20080909-01174 – is operating with maximum total input power at the antenna flange of 42.6 Watts, and maximum aggregate output EIRP for all carriers of 71.3 dBW.

These values are unchanged from the longstanding technical operation of the earth station at its current site, and will not be modified once the earth station antenna is reinstalled at the proposed new pad site.

Please let Steve Doiron at Hughes or me know if you have any further questions.

Best regards,

Stephen Baruch
Counsel for HNS License Sub, LLC

From: Towanda Bryant [Towanda.Bryant@fcc.gov]
Sent: Monday, June 13, 2011 3:36 PM
To: STEVEN.DOIRON@HUGHES.COM; Baruch, Stephen D.
Subject: SES-MOD-20110610-00694, E940441

HNS LICENSE SUB, LLC

Please have an engineer respond to the following two questions on the FCC Form 312- Schedule B, E38 Total Input antenna flange (watts) and E40 Total EIRP for all carries (dBW).

Tnx. T.

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