

## Douglas Young

---

**From:** Douglas Young  
**Sent:** Tuesday, July 16, 2019 2:17 PM  
**To:** egriggs@planetiq.com  
**Subject:** Request for Info - File # 0011-EX-CN-2019  
**Attachments:** GNOMES-1.rtf

Address the following:

2081 MHz (This is not included in the form 442 or the NTIA data form)

SpaceCap: (See attached report)

In the emissions tab, the uplink frequency range is 2079.9 – 2080.1 MHz while documentation states a center frequency of 2081 MHz. Please correct.

Please provide clearer earth station and space station antenna beam diagrams. The diagrams that were provided are very difficult to analyze.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of July 16, 2019 may result in application dismissal pursuant to Section 5.67 and forfeiture of the filing fee pursuant to Section 1.1108.

Validation Report for 2 User JCHILL created on 7/16/2019 10:48:06 AM with SpaceVal 8.0.20

C:\Users\jchill\Desktop\GNOMES1\_2019-05-15\_v8.0.9updated.mdb

Ntc ID: 2 Adm: USA Sat Name: GNOMES-1 Action:A Status:01 D\_RCV: 5/17/2019

Fatal Errors: 1 Warnings: 4

Beam	E/R	Grp id	Table	Field	Value	Row	Valerr	Rule	F/W	Ap4 Ref	Error Message
UPLINK	R	1	e_as_stn	bmwidth	2.55	1	695	4	W	C.10.d.4	Value outside computed allowable range (5.78 - 7.36)
UPLINK	R	1	grp	op_agcy	999		605	3	W	A.3.a	value = 999 ; please provide details in attachment
<b>DOWNL</b>	<b>E</b>		<b>s_beam</b>	<b>f_all_orbit</b>	<b>N</b>		<b>559</b>	<b>5</b>	<b>F</b>		<b>Value is "N", non_geo.ref_body is "T" and orbit_Ink is not filled</b>
DOWNL	E	2	e_as_stn	bmwidth	1.4	1	695	4	W	C.10.d.4	Value outside computed allowable range (2.05 - 2.61)
INK											
DOWNL	E	2	grp	op_agcy	999		605	3	W	A.3.a	value = 999 ; please provide details in attachment
INK											