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JUN 21 2004

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June 17, 2004
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JUN 17 2004

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Ms. Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, S.W.
Washington, D.C. 20554

Front Office

JUN 17 2004

FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Re: Erratum to File No. SAT-RPL-20040227-00024

Dear Ms. Dortch:

SES AMERICOM, Inc. ("SES AMERICOM"), by its attorneys, hereby submits an erratum to the above-referenced application for authority to launch and operate the Ku-band portion of AMC-16 as a replacement for the Ku-band payload of AMC-9 at 85° W.L. (the "Application"). Attached are corrected pages 1 through 4 of the Annex to Attachment B to the technical appendix of the Application. Due to a clerical error, the original Annex included a column under the heading "SES Carriers" for analog emission designator 36M0F3W. No analog emissions are proposed for the AMC-16 Ku-band payload, and that column has been removed from the corrected pages. The remaining information provided is unchanged. SES AMERICOM requests that the attached pages be substituted for the corresponding pages of the Application.

Please direct any questions regarding this submission to the undersigned.

Respectfully submitted,



Karis A. Hastings
Counsel for SES AMERICOM, Inc.

Attachment

cc: Jennifer Gilsenan
Robert Nelson
Diane Garfield

Annex to Attachment B

Additional interference analysis for Ku band

Downlink C/I analysis Ku-band	Adjacent into SES	<u>SES Carriers</u>					
		36M0G7W	6M95G1W	5M00G1W	1M60G1W	100KG1W	
Orbital Position : SES Americom	85.0	Emission Bandwidth	30.00	5.79	4.17	1.33	0.08
Orbital Position Adjacent Satellit	83.0	Receive Earth Station (m)	1.2	1.2	1.2	1.2	1.2
Geocentric Separation	2.0	Satellite EIRP	56.0	56.0	56.0	56.0	56.0
Topocentric Separation	2.1	Downlink EIRP density	-18.8	-23.6	-23.6	-23.6	-23.6
		RX Earth Station Gain	41.7	41.7	41.7	41.7	41.7
		Sidelobe Characteristic	29.0	29.0	29.0	29.0	29.0
		Off-axis Gain	21.0	21.0	21.0	21.0	21.0

<u>Adjacent Satellite Carriers</u>												
<u>Emission</u>	<u>Satellite EIRP</u>	<u>Bandw. (MHz)</u>	<u>Downlink EIRP density</u>	<u>Receive Ant. (m)</u>	<u>Earth Station Gain</u>	<u>Sidelobe Charact.</u>	<u>Off-axis Gain</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>
36M0G7W	53.3	30.0	-21.5	1.2	41.7	29	21.0	23.4	18.6	18.6	18.6	18.6
6M95G1W	53.3	5.8	-26.3	1.8	45.2	29	21.0	28.2	23.4	23.4	23.4	23.4
5M00G1W	53.3	4.2	-26.3	4.5	53.2	29	21.0	28.2	23.4	23.4	23.4	23.4
1M60G1W	53.3	1.3	-26.3	1.8	45.2	29	21.0	28.2	23.4	23.4	23.4	23.4
100KG1W	53.3	0.1	-26.3	1.2	41.7	29	21.0	28.2	23.4	23.4	23.4	23.4
36M0F3W	53.3	2.0	-9.7	1.8	45.2	29	21.0	23.4	6.8	6.8	6.8	6.8

**Downlink C/I analysis
Ku-band**

SES Americom into Adjacent

Orbital Position : SES Americom	85.0
Orbital Position Adjacent Satellit	83.0
Geocentric Separation	2.0
Topocentric Separation	2.1

SES Carriers

Emission	36M0G7W	6M95G1W	5M00G1W	1M60G1W	100KG1W
Bandwidth	30.00	5.79	4.17	1.33	0.08
Receive Earth Station (m)	1.2	1.2	1.2	1.2	1.2
Satellite EIRP	56.0	56.0	56.0	56.0	56.0
Downlink EIRP density	-18.8	-23.6	-23.6	-23.6	-23.6
RX Earth Station Gain	41.7	41.7	41.7	41.7	41.7
Sidelobe Characteristic	29.0	29.0	29.0	29.0	29.0
Off-axis Gain	21.0	21.0	21.0	21.0	21.0

Adjacent Satellite Carriers

<u>Emission</u>	<u>Satellite EIRP</u>	<u>Bandw. (MHz)</u>	<u>Downlink EIRP density</u>	<u>Receive Ant. (m)</u>	<u>Earth Station Gain</u>	<u>Sidelobe Charact.</u>	<u>Off-axis Gain</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>
36M0G7W	53.3	30.0	-21.5	1.2	41.7	29	21.0	18.0	22.8	22.8	22.8	22.8
6M95G1W	53.3	5.8	-26.3	1.8	45.2	29	21.0	16.7	21.5	21.5	21.5	21.5
5M00G1W	53.3	4.2	-26.3	4.5	53.2	29	21.0	24.7	29.5	29.5	29.5	29.5
1M60G1W	53.3	1.3	-26.3	1.8	45.2	29	21.0	16.7	21.5	21.5	21.5	21.5
100KG1W	53.3	0.1	-26.3	1.2	41.7	29	21.0	13.2	18.0	18.0	18.0	18.0
36M0F3W	53.3	2.0	-9.7	1.8	45.2	29	21.0	21.5	38.1	38.1	38.1	38.1

**Uplink C/I analysis
Ku-band**

SES into Adjacent

SES Carriers

		36M0G7W	6M95G1W	5M00G1W	1M60G1W	100KG1W
Orbital Position : SES Americom	85.0					
Orbital Position Adjacent Satellite	83.0					
Geocentric Separation	2.0					
Topocentric Separation	2.1					
		30.00	5.79	4.17	1.33	0.08
		-93.0	-93.0	-93.0	-93.0	-93.0
		70.0	62.1	60.6	55.7	43.6
		12.7	9.1	13.9	9.0	0.5
		-62.1	-62.5	-56.3	-56.3	-52.8
		6.1	3.7	1.8	1.8	1.2
		57.3	53.0	46.7	46.7	43.2
		-4.8	-9.6	-9.6	-9.6	-9.6
		29.0	29.0	29.0	29.0	29.0
		-41.1	-41.5	-35.3	-35.3	-31.8

Adjacent Satellite Carriers

<u>Emission</u>	<u>Bandw.</u> <u>(MHz)</u>	<u>Satellite</u> <u>FTS</u>	<u>Uplink</u> <u>EIRP</u>	<u>Uplink</u> <u>Eirp</u> <u>density</u>	<u>Transm.</u> <u>Ant. (m)</u>	<u>Earth</u> <u>Station</u> <u>Gain</u>	<u>Sidelobe</u> <u>Charact.</u>	<u>Off-axis</u> <u>Eirp</u> <u>density</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>
36M0G7W	30.0	-94.0	69.0	-5.8	6.1	57.3	29	-42.1	35.3	35.8	29.5	29.5	26.0
6M95G1W	5.8	-94.0	57.1	-10.6	3.7	53.0	29	-42.5	30.5	31.0	24.7	24.7	21.2
5M00G1W	4.2	-94.0	55.6	-10.6	1.8	46.7	29	-36.3	30.5	31.0	24.7	24.7	21.2
1M60G1W	1.3	-94.0	50.7	-10.6	1.8	46.7	29	-36.3	30.5	31.0	24.7	24.7	21.2
100KG1W	0.1	-94.0	38.6	-10.6	1.2	43.2	29	-32.8	30.5	31.0	24.7	24.7	21.2
36M0F3W	2.0	-94.0	69.0	6.0	6.1	57.3	29	-30.3	35.3	47.5	41.3	41.3	37.7

**Uplink C/I analysis
Ku-band**

Adjacent into SES

SES Carriers

Orbital Position : SES Americom **85.0**
 Orbital Position Adjacent Satellite **83.0**
 Geocentric Separation 2.0
 Topocentric Separation 2.1

Emission	36M0G7W	6M95G1W	5M00G1W	1M60G1W	100KG1W
Bandwidth (MHz)	30.00	5.79	4.17	1.33	0.08
Satellite FTS	-93.0	-93.0	-93.0	-93.0	-93.0
Uplink EIRP	70.0	58.1	56.6	51.7	39.6
Uplink Power (max) (feed inp.)	12.7	5.1	9.9	5.0	-3.5
Uplink Power density (feed)	-62.1	-62.5	-56.3	-56.3	-52.8
Uplink Earth Station (m)	6.1	3.7	1.8	1.8	1.2
Earth Station Gain	57.3	53.0	46.7	46.7	43.2
Upl. EIRP density	-4.8	-9.6	-9.6	-9.6	-9.6
Sidelobe Characteristic	29.0	29.0	29.0	29.0	29.0
<u>Off-axis Eirp density</u>	-41.1	-41.5	-35.3	-35.3	-31.8

Adjacent Satellite Carriers

<u>Emission</u>	<u>Bandw. (MHz)</u>	<u>Satellite FTS</u>	<u>Uplink EIRP</u>	<u>Uplink Eirp density</u>	<u>Transm. Ant. (m)</u>	<u>Earth Station Gain</u>	<u>Sidelobe Charact.</u>	<u>Off-axis Eirp density</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>	<u>C/I</u>
36M0G7W	30.0	-92.0	71.0	-3.8	6.1	57.3	29	-40.1	35.3	30.5	30.5	30.5	30.5
6M95G1W	5.8	-92.0	59.1	-8.6	3.7	53.0	29	-40.5	35.8	31.0	31.0	31.0	31.0
5M00G1W	4.2	-92.0	57.6	-8.6	1.8	46.7	29	-34.3	29.5	24.7	24.7	24.7	24.7
1M60G1W	1.3	-92.0	52.7	-8.6	1.8	46.7	29	-34.3	29.5	24.7	24.7	24.7	24.7
100KG1W	0.1	-92.0	40.6	-8.6	1.2	43.2	29	-30.8	26.0	21.2	21.2	21.2	21.2
36M0F3W	2.0	-92.0	71.0	8.0	6.1	57.3	29	-28.3	35.3	18.8	18.8	18.8	18.8