

From: Brooks, Daniel
 To: Jae Lim
 Cc: Hindin, Jennifer
 Subject: RE: SES-MOD-20181017-03667; call sign: KA444
 Date: Wednesday, June 24, 2020 2:54:38 PM
 Attachments: [image002.png](#)
[image003.png](#)

Hi, Jae; thank you for your email. I have provided answers to your questions below:

1. The EIRP and EIRP density for 5850-6425 36M0F8F RC2C are **87.9 dBW** and **50.6 dBW/4 kHz**, respectively.
2. The emission designators for 3625-4200 MHz RC2C should match the emission designators listed for 5850-6425 MHz RC2C.
3. Please replace the points of communication with "**Permitted List**."

Please let us know if you have any questions or if we can provide you with any additional information. Thank you.

Best regards,
 Dan Brooks

From: Jae Lim <Jae.Lim@fcc.gov>
 Date: June 17, 2020 at 9:12:42 AM EDT
 To: "Hindin, Jennifer" <JHindin@wiley.law>
 Subject: SES-MOD-20181017-03667; call sign: KA444

Hi Jennifer,

I hope all is well with you and your family.

Please take a look below and provide the following info:

1. EIRP and EIRP density for 5850-6425 MHz 36M0F8F RC2C
2. Emission for 3625-4200 MHz RC2C
3. Some PntComms are either retired or replaced. Please verify PntComm.

Thanks and have a great day.

File No.	SES-MOD-20181017-03667	Call Sign:	KA444	Filing State:	Pending	Status:	APP	Status Date:	Feb 7 2019 3:0	No. Sites:	1		
Applicant:	AT&T Corp.												
Class of Station:	Fixed Earth Stations	Type of Facility:	Transmit/Receive	Nature of Service:	F55 = Fixed Satellite Service								
<input checked="" type="checkbox"/> US Licensed Satellites	Certifications: OK Requires Freq. Coord. Exhibit for 1												
<input checked="" type="checkbox"/> Non-US Licensed Satellites	Routed To: Jae_Lim												
1													
City:	CATAWISSA	County:	COLUMBIA	State:	PA	Lat:	405336.1N	Lon:	0762621.4W	Gnd (m amsl):	295.96	NAD83	
Ant Row	Antenna ID	Diameter (m)	Max Input Power (W)	Max Output Eirp	Gain (dBi@GHz)	Gain (dBi@GHz)							
2	13.1	13.1	500	84.28	53.5 @ 3.95	57.3 @ 6.175							
3	11.1M	11.1	500	82.58	51.9 @ 3.95	55.6 @ 6.175							
Crd Row	Freq Lo (MHz)	Freq Hi (MHz)	SatArc (East)	SatArc (West)	Elev (East)	Elev (West)	Azim (East)	Azim (West)	Calc Elev (East)	Calc Elev (West)	Calc Azim (East)	Calc Azim (West)	Antenna ID
5	5850	6425	4.6W	148.2W	5	5	102	258	5.0	5.0	102.1	257.8	11.1M
6	3625	4200	4.6W	148.2W	5	5	102	258	5.0	5.0	102.1	257.8	11.1M
Freq Row	Freq Lo (MHz)	Freq Hi (MHz)	Emission	EIRP (dBW)	Eirp Density (dBW/4kHz)	T/R	Bandwidth	Modulation	Pt (dBW)	Pt (w)	P.D (dBW/4kHz)	Antenna ID	
1	5850	6425	18M0F8F	85.40	61.40	T	18.0 MHz Analog		21.50	141.25	-2.50	RC2C	
2	5850	6425	36M0F8F			T	36.0 MHz Analog		183711.90	.00	-63.90	RC2C	
3	5850	6425	1M13F8W	71.70	50.10	T	1.13 MHz Analog		7.80	6.03	-13.80	RC2C	
4	5850	6425	36M0F8W	87.90	50.60	T	36.0 MHz Analog		24.00	251.19	-13.30	RC2C	
5	5850	6425	30M7G7W	77.00	38.20	T	30.7 MHz Digital		13.10	20.42	-25.70	RC2C	
6	5850	6425	66M8G7W	81.20	39.00	T	66.8 MHz Digital		17.30	53.70	-24.90	RC2C	
7	5850	6425	72M0G7W	84.80	42.20	T	72.0 MHz Digital		20.90	123.03	-21.70	RC2C	
8	5850	6425	307K3G7W	55.70	36.90	T	307. kHz Digital		-8.20	.15	-27.00	RC2C	
9	5850	6425	1M23G7W	55.70	30.80	T	1.23 MHz Digital		-8.20	.15	-33.10	RC2C	
10	5850	6425	38K4G7W	66.50	56.70	T	38.4 kHz Digital		2.60	1.82	-7.20	RC2C	
11	5850	6425	54K6G7W	67.50	56.10	T	54.6 kHz Digital		3.60	2.29	-7.80	RC2C	
12	5850	6425	6M84G7W	85.90	53.60	T	6.84 MHz Digital		22.00	158.49	-10.30	RC2C	
13	5850	6425	81K9G7W	68.00	54.90	T	81.9 kHz Digital		4.10	2.57	-9.00	RC2C	
14	5850	6425	11M2G7W	88.60	54.10	T	11.2 MHz Digital		24.70	295.12	-9.80	RC2C	
15	5850	6425	54K6G7W	69.60	58.20	T	54.6 kHz Digital		5.70	3.72	-5.70	RC2C	
16	5850	6425	7M44G7W	90.10	57.40	T	7.44 MHz Digital		26.20	416.87	-6.50	RC2C	
17	3625	4200				R	Unknown	Unknown				RC2C	
18	5850	6425	72M0G7W	84.28	41.73	T	72.0 MHz Digital		26.98	498.88	-15.57	11.1M	
19	5850	6425	54K6G7W	65.95	54.60	T	54.6 kHz Digital		8.65	7.33	-2.70	13.1	
20	3625	4200	72M0G7W			R	72.0 MHz Digital					13.1	
21	3625	4200	54K6G7W			R	54.6 kHz Digital					13.1	
22	5850	6425	72M0G7W	82.58	40.03	T	72.0 MHz Digital		26.98	498.88	-15.57	11.1M	
23	5850	6425	54K6G7W	64.25	52.90	T	54.6 kHz Digital		8.65	7.33	-2.70	11.1M	
24	3625	4200	72M0G7W			R	72.0 MHz Digital					11.1M	
25	5850	6425	54K6G7W			R	54.6 kHz Digital					11.1M	

D) Points of Communications

The following stations located in the Satellite orbits consistent with Sections B and C of this Entry:

- 1) 1 to INTELSAT AOR @ 342.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 2) 1 to INTELSAT AOR @ 335.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 3) 1 to INTELSAT AOR @ 325.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 4) 1 to INTELSAT AOR @ 307.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 5) 1 to INTELSAT AOR @ 328.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 6) 1 to INTELSAT 805 (S2404) @ 304.5 E.L. (U.S.-licensed)
- 7) 1 to INTELSAT AOR @ 330.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 8) 1 to INTELSAT AOR @ 319.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 9) 1 to INTELSAT AOR (S2411) @ 332.5 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 10) 1 to INTELSAT AOR @ 310.0 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 11) 1 to INTELSAT AOR @ 338.7 E.L. (U.S.-licensed)
- 12) 1 to New Skies Satellite, N.V. 806 @ 319.5 E.L. (Netherlands-licensed)[Moved to 47.5° W.L.]
- 13) 1 to INTELSAT AOR @ 328.6 E.L. satellite of the INTELSAT system (U.S.-licensed)
- 14) 1 to New Skies Satellite, N.V. 5 (formerly NSS-803) @ 338.5 E.L. / 177.0 WL (Netherlands-licensed) (Non-U.S.-licensed)
- 15) 1 to Permitted Space Station List

Jae Lim
FCC/IB
1-202-418-2899

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