

DECLARATION

I, Thomas E. Sharon, declare under penalty of perjury that the following facts are true and accurate to the best of my knowledge, information, and belief:

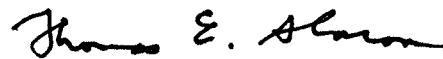
1. I am the Chief Operating Officer of Spectrum Five, LLC.
2. I have over 30 years experience in the operation of space satellites.
3. On April 8, I obtained from the CelesTrak website

(<http://www.celestrak.com/NORAD/elements>) NORAD's two-line element sets available for the location of EchoStar 6 from September 2013 to the present. The data I obtained is presented in table form in Exhibits A and in graphical form in Exhibit B

4. I also requested that SAT Corporation, pursuant to its contract with Spectrum Five, provide me with the power profile of EchoStar 6 as received from a monitoring station in Woodbine, MD. Attached as Exhibit C is a graphical depiction of the power profile measured at that station on April 9, 2014. The graph depicts the entire KuDBS band (12.2-12.7 GHz). The graph shows that a signal was received for a single 24 MHz band, corresponding to the use of 1 of the 32 transponders.

5. Attached as Exhibit D is a graphical depiction of the downlink beam coverage for EchoStar 6's proposed operations as prepared by EchoStar. *See* Application Narrative, Exhibit 2 (Technical Analysis) at 2, File No. SAT-STA-20130220-00023 (Feb. 20, 2013). The effective coverage pattern is within the royal blue line.

Executed on April 14, 2014:



Thomas E. Sharon, PhD
Chief Operating Officer
Spectrum Five, LLC

EXHIBIT A

Epoch (UTC)		Long (degs W)	Orbit Inclination (degrees)	Latitude (degrees)
9/01/2013	2:28:55 PM	96.202	1.44	0.6354
9/05/2013	12:32:38 PM	96.240	1.44	0.0249
9/05/2013	11:25:01 PM	96.109	1.44	0.3792
9/06/2013	1:06:18 PM	96.177	1.45	0.2662
9/08/2013	8:52:26 AM	96.148	1.45	-1.1270
9/09/2013	10:42:43 PM	96.114	1.45	0.5427
9/11/2013	8:34:05 AM	96.155	1.46	-1.1590
9/13/2013	1:29:08 PM	96.190	1.46	0.5771
9/14/2013	1:50:53 PM	96.190	1.46	0.7258
9/15/2013	2:30:34 PM	96.189	1.47	0.9557
9/17/2013	5:12:33 AM	96.153	1.47	-1.4581
9/20/2013	2:26:58 PM	96.200	1.48	1.0401
9/23/2013	12:21:53 AM	96.133	1.48	-0.4055
9/24/2013	2:16:59 PM	96.196	1.48	1.0717
9/27/2013	8:39:58 AM	96.148	1.49	-0.8601
9/28/2013	9:26:07 AM	96.151	1.49	-0.5751
9/29/2013	12:54:41 PM	96.174	1.50	0.7618
10/01/2013	10:40:34 AM	96.154	1.50	-0.0263
10/02/2013	1:44:47 PM	96.166	1.50	1.0836
10/03/2013	10:41:00 AM	96.207	1.50	0.0232
10/04/2013	1:00:09 PM	96.165	1.51	0.9060
10/06/2013	1:12:22 PM	96.164	1.51	1.0113
10/07/2013	1:49:18 PM	96.162	1.51	1.1966
10/08/2013	2:09:23 PM	96.160	1.51	1.2889
10/09/2013	2:25:41 PM	96.159	1.52	1.3562
10/11/2013	11:03:53 AM	96.165	1.52	0.3884
10/12/2013	1:53:35 PM	96.170	1.52	1.2971
10/13/2013	2:10:49 PM	96.170	1.53	1.3675
10/15/2013	7:42:27 AM	96.150	1.53	-0.8034
10/16/2013	12:16:41 PM	96.189	1.53	0.9431
10/17/2013	2:04:53 PM	96.185	1.53	1.4014
10/21/2013	1:51:14 PM	96.182	1.54	1.4175
10/22/2013	2:10:49 PM	96.177	1.55	1.4750
10/24/2013	4:32:25 AM	96.109	1.55	-1.4595
10/24/2013	9:14:17 AM	96.186	1.54	0.0037
10/27/2013	2:07:36 PM	96.155	1.56	1.5148
10/29/2013	11:43:32 AM	96.154	1.56	1.0561
10/31/2013	7:58:59 AM	96.115	1.56	-0.3163
10/31/2013	8:46:34 AM	96.189	1.56	0.0041
11/03/2013	11:59:54 AM	96.161	1.57	1.2319
11/04/2013	12:09:51 PM	96.165	1.57	1.2906

Epoch (UTC)		Long (degs W)	Orbit Inclination (degrees)	Latitude (degrees)
11/06/2013	2:17:53 PM	96.186	1.58	1.5774
11/08/2013	1:24:19 AM	96.154	1.58	-1.5422
11/09/2013	7:55:01 AM	96.185	1.58	-0.1047
11/12/2013	1:11:52 PM	96.224	1.59	1.5584
11/15/2013	2:08:07 PM	96.217	1.60	1.5905
11/18/2013	1:37:16 PM	96.215	1.60	1.6046
11/19/2013	1:47:21 PM	96.212	1.61	1.6003
11/21/2013	8:22:02 AM	96.192	1.61	0.4134
11/22/2013	10:58:27 AM	96.210	1.61	1.3213
11/24/2013	1:52:53 PM	96.195	1.62	1.5871
11/26/2013	2:39:59 AM	96.136	1.62	-1.4773
11/27/2013	5:21:53 AM	96.150	1.62	-0.6665
11/28/2013	7:44:02 AM	96.180	1.62	0.3462
11/29/2013	12:04:28 PM	96.206	1.63	1.5939
12/01/2013	2:56:11 AM	96.135	1.63	-1.3640
12/02/2013	6:08:54 AM	96.163	1.63	-0.2142
12/03/2013	2:00:44 PM	96.199	1.63	1.5189
12/05/2013	6:24:32 AM	96.225	1.64	-0.0231
12/05/2013	8:38:19 AM	96.206	1.64	0.8894
12/07/2013	6:18:06 AM	96.189	1.64	-0.0078
12/08/2013	7:55:03 AM	96.215	1.65	0.6955
12/09/2013	12:32:43 PM	96.230	1.65	1.6396
12/11/2013	7:27:55 AM	96.228	1.65	0.5961
12/14/2013	9:28:31 AM	96.235	1.66	1.3488
12/15/2013	12:08:37 PM	96.233	1.66	1.6561
12/17/2013	5:34:36 AM	96.191	1.67	-0.0386
12/18/2013	9:12:18 AM	96.230	1.67	1.3540
12/20/2013	5:24:16 AM	96.231	1.67	-0.0224
12/22/2013	9:07:02 AM	96.225	1.68	1.4055
12/23/2013	1:28:00 PM	96.213	1.68	1.4050
12/24/2013	10:55:32 PM	96.174	1.68	-1.6805
12/26/2013	10:07:09 AM	96.221	1.69	1.6354
12/27/2013	11:48:40 AM	96.216	1.69	1.6493
12/29/2013	3:03:17 AM	96.165	1.69	-0.7762
12/30/2013	5:38:58 AM	96.198	1.69	0.3721
12/31/2013	2:00:52 PM	96.216	1.70	1.1024
1/02/2014	4:33:56 AM	96.205	1.70	-0.0191
1/02/2014	5:18:50 AM	96.206	1.70	0.3133
1/03/2014	11:12:33 AM	96.235	1.70	1.6754
1/05/2014	1:17:34 PM	96.236	1.71	1.2366
1/07/2014	8:44:05 AM	96.257	1.71	1.5745

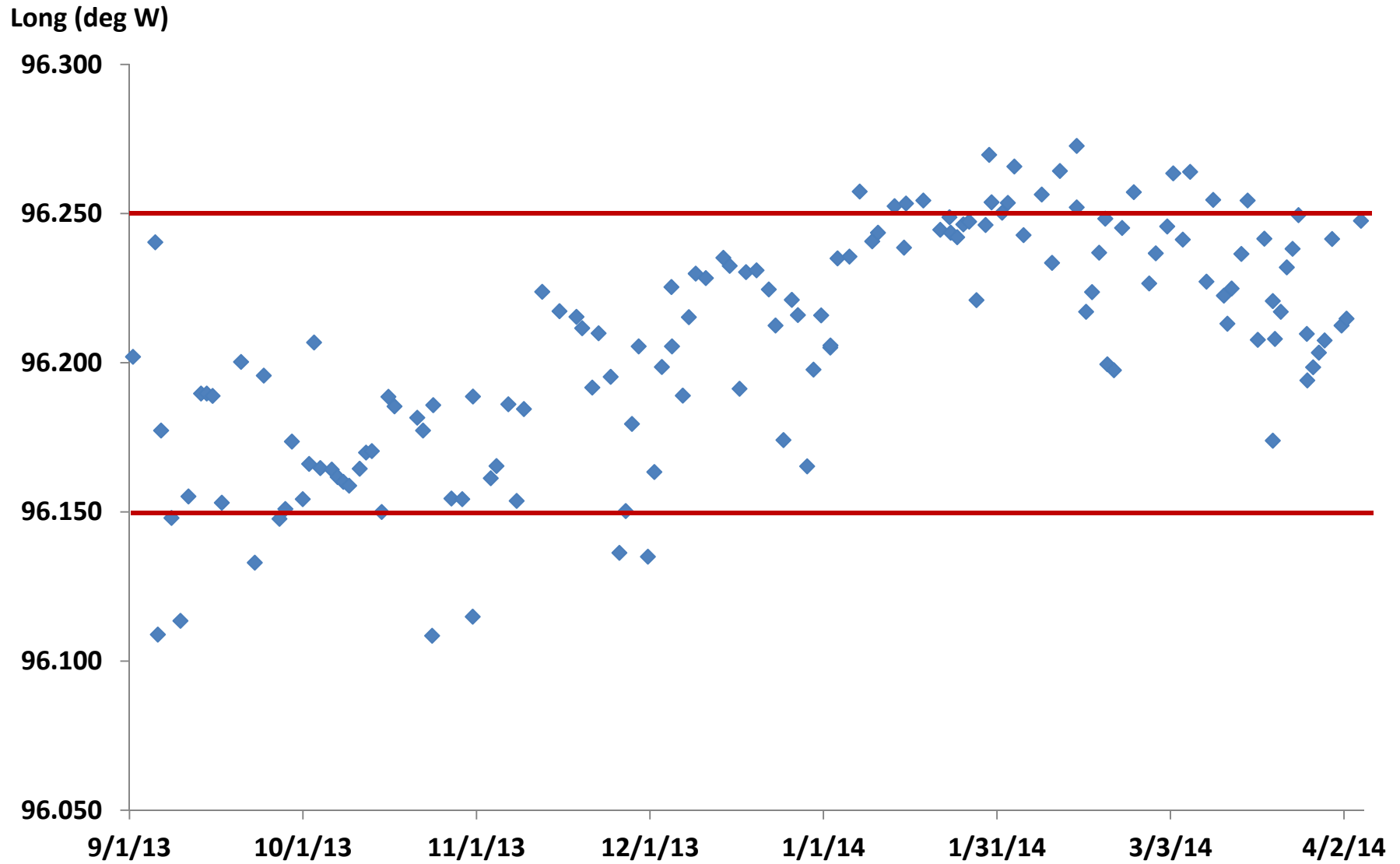
Epoch (UTC)		Long (degs W)	Orbit Inclination (degrees)	Latitude (degrees)
1/09/2014	1:25:46 PM	96.241	1.72	1.1149
1/10/2014	1:42:24 PM	96.244	1.72	0.9941
1/13/2014	11:35:37 AM	96.253	1.72	1.5519
1/15/2014	3:43:52 AM	96.239	1.73	-0.0120
1/15/2014	12:02:55 PM	96.253	1.73	1.4213
1/18/2014	1:10:34 PM	96.254	1.73	1.0051
1/21/2014	12:32:02 PM	96.245	1.74	1.1650
1/23/2014	3:13:35 AM	96.249	1.75	-0.0026
1/23/2014	8:50:07 AM	96.244	1.74	1.7347
1/24/2014	12:00:12 PM	96.242	1.75	1.2774
1/25/2014	1:56:21 PM	96.246	1.75	0.5090
1/26/2014	2:12:51 PM	96.247	1.75	0.3577
1/27/2014	9:16:38 PM	96.221	1.75	-1.7439
1/29/2014	11:32:48 AM	96.246	1.76	1.3231
1/30/2014	2:46:31 AM	96.270	1.76	0.0011
1/30/2014	1:04:00 PM	96.254	1.76	0.7447
2/01/2014	9:27:05 AM	96.250	1.76	1.7197
2/02/2014	9:37:19 AM	96.254	1.76	1.6946
2/03/2014	12:58:31 PM	96.266	1.77	0.6748
2/05/2014	3:54:18 AM	96.243	1.77	0.6954
2/08/2014	8:43:21 AM	96.256	1.78	1.7595
2/10/2014	4:07:47 AM	96.234	1.78	0.9287
2/11/2014	1:25:10 PM	96.264	1.79	0.2456
2/14/2014	12:22:17 PM	96.273	1.79	0.6309
2/14/2014	12:22:17 PM	96.252	1.79	0.6326
2/16/2014	3:49:17 AM	96.217	1.79	0.9706
2/17/2014	4:53:56 AM	96.224	1.80	1.3748
2/18/2014	10:57:55 AM	96.237	1.80	1.1034
2/19/2014	12:43:26 PM	96.248	1.80	0.3249
2/19/2014	9:22:09 PM	96.200	1.80	-1.5636
2/21/2014	1:29:18 AM	96.198	1.80	0.0847
2/22/2014	11:45:38 AM	96.245	1.81	0.6725
2/24/2014	1:10:06 PM	96.257	1.81	-0.0408
2/27/2014	5:56:15 AM	96.227	1.82	1.7576
2/28/2014	9:41:02 AM	96.237	1.82	1.3327
3/02/2014	10:02:24 AM	96.246	1.82	1.1667
3/03/2014	11:38:37 AM	96.264	1.83	0.4628
3/05/2014	3:41:21 AM	96.241	1.83	1.3520
3/06/2014	10:44:33 AM	96.264	1.83	0.7824
3/09/2014	7:43:41 AM	96.227	1.84	1.7008
3/10/2014	12:02:22 PM	96.255	1.84	0.0585

Epoch (UTC)		Long (degs W)	Orbit Inclination (degrees)	Latitude (degrees)
3/12/2014	9:03:34 AM	96.223	1.85	1.2963
3/13/2014	12:02:27 AM	96.213	1.85	0.0232
3/13/2014	5:48:08 PM	96.225	1.85	-1.8467
3/15/2014	10:59:51 AM	96.237	1.85	0.4004
3/16/2014	1:17:54 PM	96.254	1.85	-0.7273
3/18/2014	8:19:56 AM	96.208	1.86	1.4136
3/19/2014	11:50:34 AM	96.242	1.86	-0.1363
3/20/2014	11:29:59 PM	96.174	1.86	0.0201
3/20/2014	11:30:44 PM	96.221	1.86	0.0202
3/21/2014	8:32:15 AM	96.208	1.86	1.2826
3/22/2014	9:23:47 AM	96.217	1.87	0.9211
3/23/2014	10:41:16 AM	96.232	1.87	0.2980
3/24/2014	10:58:17 AM	96.238	1.87	0.1280
3/25/2014	11:53:02 AM	96.250	1.87	-0.3503
3/26/2014	11:06:43 PM	96.210	1.88	0.0214
3/27/2014	1:13:46 AM	96.194	1.87	1.0095
3/28/2014	1:37:25 AM	96.199	1.88	1.1935
3/29/2014	1:52:11 AM	96.203	1.88	1.3093
3/30/2014	2:11:09 AM	96.208	1.88	1.4392
3/31/2014	9:46:36 AM	96.242	1.88	0.4857
4/02/2014	1:33:23 AM	96.213	1.89	1.2970
4/02/2014	10:38:03 PM	96.215	1.89	0.0147
4/05/2014	11:29:00 AM	96.248	1.90	-0.5122

Source: NORAD SpaceTrack two-line element sets available for ECOS 6 from <http://www.celestrak.com/SpaceTrack/>.

EXHIBIT B

ECOS 6 NORAD Location Data 9-01-13 to 4-5-14



Source: NORAD SpaceTrack two-line element sets available for ECOS 6 from <http://www.celestrak.com/SpaceTrack/>.

EXHIBIT C

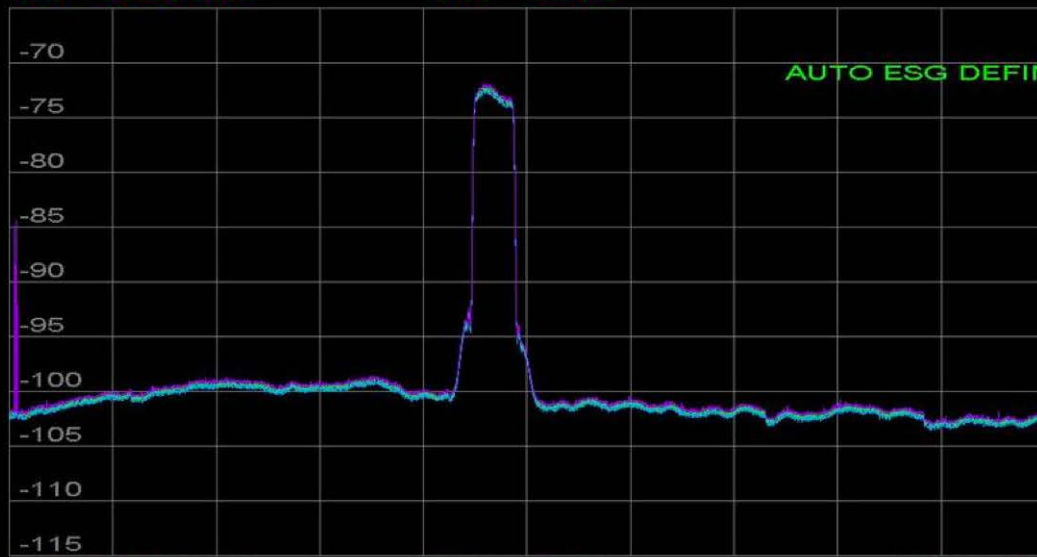
5 dB /
POSPEAK

MIN HOLD
12
2014-04-09
17:12:52

MAX HOLD
12
2014-04-09
17:12:47

REF -65.00 dBm

ATT 25 dB



AUTO ESG DEFINED

CENTER 12.475000 GHz
RBW 100.0 kHz

VBW 100.0 Hz

SPAN 550.441 MHz
SWP 10.5 ms

EXHIBIT D

