

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:

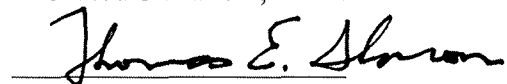
1. I am the Chief Operating Officer of Spectrum Five LLC.
2. I have over 30 years experience in the operation of space satellites.
3. On June 5, 2014, I obtained from the Celestrak website

(<http://www.celestrak.com/NORAD/elements>) NORAD's two-line element sets available for the location of EchoStar 6 from September 2013 to June 3, 2014. The data I obtained is presented in table form in Exhibit 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. 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 June 9, 2014:



Thomas E. Sharon
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 |
| 4/09/2014 | 12:53:06 PM | 96.257 | 1.90 | -1.2426 |
| 4/12/2014 | 10:49:05 AM | 96.224 | 1.91 | -0.4170 |
| 4/13/2014 | 11:08:54 PM | 96.163 | 1.91 | 0.6271 |
| 4/15/2014 | 8:38:49 AM | 96.179 | 1.91 | 0.5602 |
| 4/16/2014 | 12:11:01 PM | 96.220 | 1.92 | -1.1583 |
| 4/17/2014 | 1:13:34 AM | 96.158 | 1.91 | 1.5333 |
| 4/18/2014 | 8:18:40 AM | 96.179 | 1.92 | 0.6285 |
| 4/19/2014 | 8:29:22 AM | 96.181 | 1.92 | 0.5117 |
| 4/21/2014 | 10:08:20 AM | 96.209 | 1.92 | -0.3772 |
| 4/23/2014 | 8:16:17 AM | 96.188 | 1.93 | 0.4910 |
| 4/26/2014 | 11:07:21 AM | 96.245 | 1.94 | -1.0018 |
| 4/28/2014 | 8:19:34 AM | 96.214 | 1.94 | 0.3016 |
| 5/01/2014 | 10:32:40 AM | 96.243 | 1.95 | -0.8960 |
| 5/02/2014 | 12:25:24 PM | 96.252 | 1.95 | -1.6299 |
| 5/04/2014 | 11:15:17 AM | 96.248 | 1.96 | -1.2839 |
| 5/05/2014 | 11:42:34 AM | 96.246 | 1.96 | -1.4748 |
| 5/06/2014 | 10:45:54 AM | 96.239 | 1.96 | -1.1425 |
| 5/07/2014 | 12:29:44 PM | 96.235 | 1.96 | -1.7434 |

| Epoch (UTC) | | Long (degs W) | Orbit Inclination (degrees) | Latitude (degrees) |
|-------------|-------------|------------------|-----------------------------------|-----------------------|
| 5/08/2014 | 2:20:28 PM | 96.216 | 1.96 | -1.9637 |
| 5/10/2014 | 1:19:46 AM | 96.179 | 1.97 | 1.9226 |
| 5/11/2014 | 10:20:36 AM | 96.235 | 1.97 | -1.1100 |
| 5/12/2014 | 12:28:18 PM | 96.233 | 1.97 | -1.8193 |
| 5/13/2014 | 12:39:52 PM | 96.232 | 1.97 | -1.8687 |
| 5/16/2014 | 11:12:26 AM | 96.236 | 1.98 | -1.5655 |
| 5/18/2014 | 2:23:36 AM | 96.163 | 1.98 | 1.9420 |
| 5/19/2014 | 3:40:13 AM | 96.163 | 1.99 | 1.6854 |
| 5/20/2014 | 7:37:19 AM | 96.212 | 1.99 | -0.0803 |
| 5/21/2014 | 11:19:00 AM | 96.246 | 1.99 | -1.7036 |
| 5/22/2014 | 5:04:17 AM | 96.182 | 1.99 | 1.1154 |
| 5/23/2014 | 2:26:56 PM | 96.231 | 2.00 | -1.8984 |
| 5/27/2014 | 9:44:44 AM | 96.245 | 2.00 | -1.3179 |
| 5/28/2014 | 11:06:53 AM | 96.246 | 2.01 | -1.7828 |
| 5/30/2014 | 7:38:03 AM | 96.227 | 2.01 | -0.4303 |
| 5/31/2014 | 7:52:38 AM | 96.232 | 2.01 | -0.5886 |
| 6/01/2014 | 9:35:42 AM | 96.247 | 2.01 | -1.3948 |
| 6/02/2014 | 12:56:00 PM | 96.226 | 2.02 | -2.0082 |
| 6/03/2014 | 2:35:34 PM | 96.203 | 2.02 | -1.7294 |

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 6-03-14

Long (deg W)

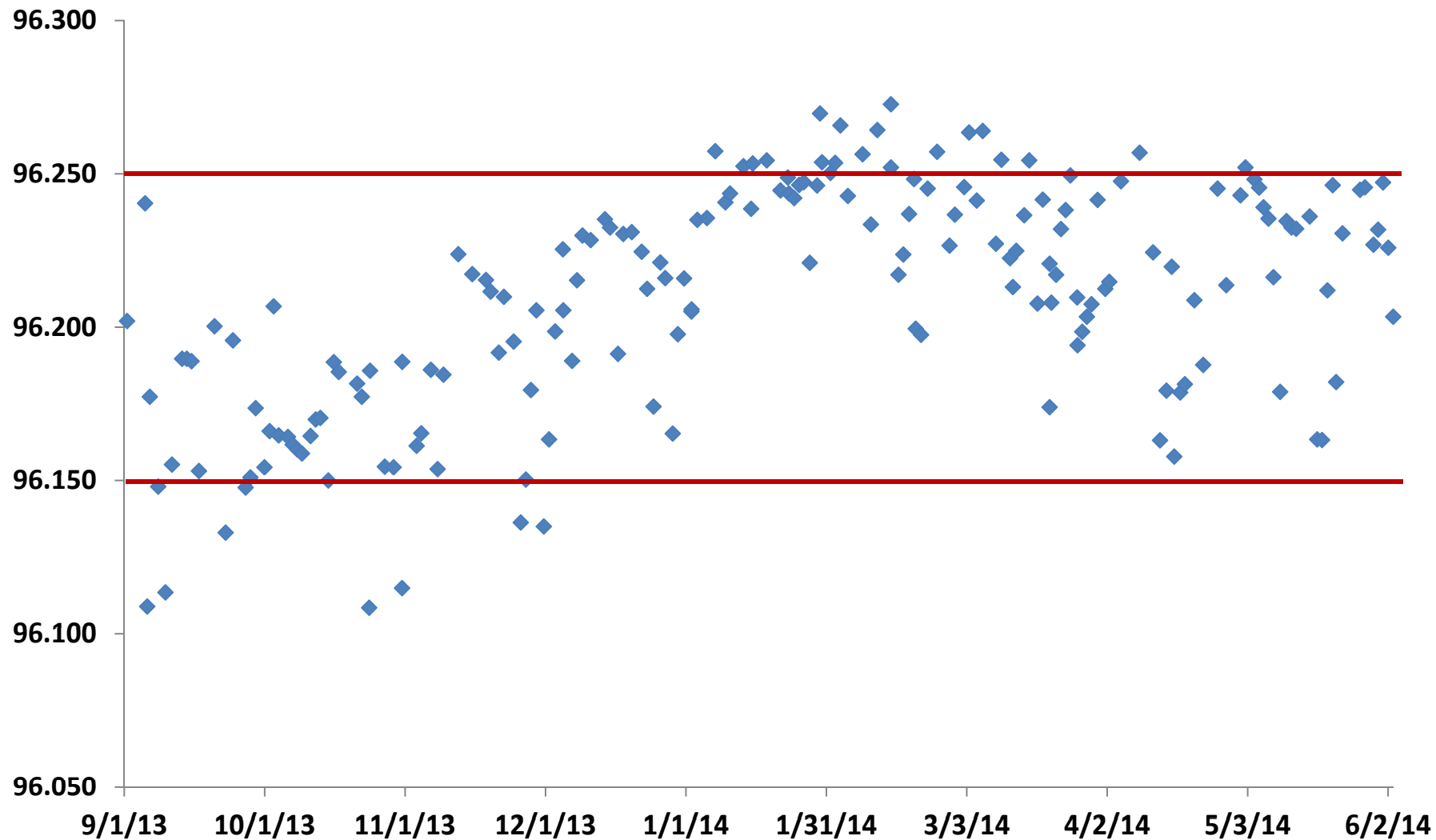


EXHIBIT C

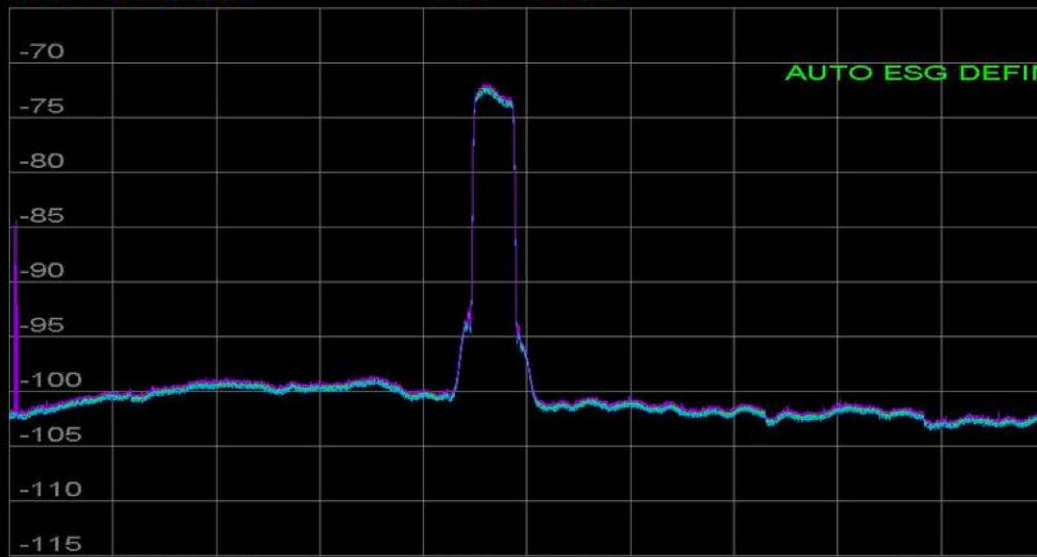
5 dB /
POSPEAK

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 12.4750000 GHz
RBW 100.0 kHz

VBW 100.0 Hz

SPAN 550.441 MHz
SWP 10.5 ms

EXHIBIT D

