

Table 1 Approach (TDRS SSA - 6M16G1D) PFD Exceedances

	Start Time (GMT)	Stop Time (GMT)	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m^2/4kHz)	PFD Non- Compliance (dB)
1	5/21/2018 8:53	5/21/2018 9:14	0:21:30	23.78	-59.86	202.56	-40.94	-1.95	271.06	-134.52	9.48
2	5/21/2018 9:16	5/21/2018 9:55	0:38:51	-45.48	7.63	281.01	29.88	151.44	280.05	-136.99	7.01
3	5/21/2018 9:57	5/21/2018 10:10	0:12:20	35.74	158.51	274.71	51.15	-136.98	243.47	-136.67	7.33
4	5/21/2018 10:12	5/21/2018 10:53	0:40:51	48.93	-124.33	238.40	-51.76	21.93	310.00	-133.71	10.29
5	5/21/2018 10:55	5/21/2018 11:23	0:27:40	-50.72	34.98	314.47	22.85	121.72	284.49	-136.60	7.40
6	5/21/2018 11:23	5/21/2018 11:23	0:00:10	24.33	123.06	283.27	24.82	123.52	282.86	-141.03	2.97
7	5/21/2018 11:24	5/21/2018 11:28	0:03:50	26.27	124.91	281.64	36.78	137.13	272.13	-139.16	4.84
8	5/21/2018 11:29	5/21/2018 11:42	0:12:40	41.59	144.91	267.10	48.08	-144.01	236.26	-132.72	11.28
9	5/21/2018 11:44	5/21/2018 12:23	0:38:31	44.19	-133.20	232.03	-51.68	1.50	310.73	-131.96	12.04
10	5/21/2018 12:25	5/21/2018 12:58	0:33:10	-50.36	14.42	314.99	39.00	117.62	270.12	-136.66	7.34
11	5/21/2018 13:00	5/21/2018 13:29	0:28:50	43.88	126.68	264.68	0.98	-110.67	231.35	-131.63	12.37
12	5/21/2018 13:31	5/21/2018 13:41	0:09:31	-5.93	-105.75	236.49	-34.37	-80.27	270.25	-134.82	9.18
13	5/21/2018 13:41	5/21/2018 13:55	0:13:39	-35.68	-78.54	272.27	-50.14	-7.12	315.13	-135.78	8.22
14	5/21/2018 13:57	5/21/2018 14:23	0:26:20	-47.24	4.54	317.96	27.10	80.06	317.89	-137.14	6.86
15	5/21/2018 14:24	5/21/2018 14:29	0:04:31	28.52	81.50	318.40	40.22	96.78	323.38	-139.15	4.85
16	5/21/2018 14:31	5/21/2018 14:39	0:08:06	44.85	106.05	325.74	51.40	151.67	332.22	-136.71	7.29
17	5/21/2018 14:55	5/21/2018 15:07	0:12:11	16.33	-145.01	327.69	-21.14	-117.03	327.77	-138.48	5.52
18	5/21/2018 15:31	5/21/2018 15:58	0:27:21	-42.03	-6.05	323.90	37.16	68.89	322.67	-137.84	6.16
19	5/21/2018 16:07	5/21/2018 16:14	0:06:30	51.68	115.28	331.27	46.39	152.41	332.49	-139.36	4.64
20	5/21/2018 16:29	5/21/2018 16:41	0:12:31	7.15	-161.20	326.82	-30.66	-130.86	329.19	-138.47	5.53
21	5/21/2018 16:59	5/21/2018 17:20	0:20:30	-46.64	-39.85	326.25	10.77	20.08	314.15	-137.83	6.17
22	5/21/2018 17:56	5/21/2018 18:14	0:17:11	16.41	168.73	327.73	-35.08	-148.63	329.90	-138.47	5.53
23	5/21/2018 18:35	5/21/2018 18:58	0:23:31	-36.98	-43.95	321.57	32.77	16.92	320.66	-137.83	6.17
24	5/21/2018 19:13	5/21/2018 19:28	0:14:10	49.61	94.74	332.48	15.43	146.40	327.58	-138.37	5.63
25	5/21/2018 19:30	5/21/2018 19:45	0:15:41	8.78	151.42	326.91	-37.59	-168.26	330.23	-138.46	5.54
26	5/21/2018 20:06	5/21/2018 20:32	0:26:00	-36.59	-66.50	321.31	39.51	3.18	323.65	-137.83	6.17
27	5/21/2018 20:50	5/21/2018 21:16	0:25:30	37.95	99.98	331.29	-36.73	167.40	330.14	-138.36	5.64
28	5/21/2018 21:40	5/21/2018 22:04	0:24:19	-28.09	-79.48	317.96	42.85	-13.85	325.31	-137.82	6.18
29	5/21/2018 22:06	5/21/2018 22:54	0:48:11	46.98	-3.77	327.57	-50.49	179.19	331.19	-138.20	5.80
30	5/21/2018 22:56	5/21/2018 23:43	0:46:29	-51.71	-167.86	330.55	51.71	7.55	331.86	-137.77	6.23
31	5/21/2018 23:45	5/22/2018 0:29	0:43:59	50.51	20.50	332.48	-51.50	-179.85	329.83	-138.03	5.97
32	5/22/2018 0:31	5/22/2018 0:43	0:11:21	-49.81	-167.14	328.35	-24.33	-122.03	317.02	-137.76	6.24
33	5/22/2018 1:08	5/22/2018 1:27	0:19:01	47.48	-48.43	327.80	26.91	43.95	329.16	-138.40	5.60
34	5/22/2018 1:31	5/22/2018 1:53	0:21:40	15.07	54.26	327.39	-46.10	115.97	362.49	-138.43	5.57
35	5/22/2018 2:06	5/22/2018 2:29	0:22:20	-42.92	-169.59	393.69	20.81	-110.73	395.27	-139.51	4.49
36	5/22/2018 2:54	5/22/2018 3:24	0:30:11	39.25	5.33	344.30	-45.85	91.96	362.44	-138.39	5.61
37	5/22/2018 3:33	5/22/2018 4:06	0:33:20	-50.84	140.24	384.98	36.40	-117.41	388.97	-139.53	4.47
38	5/22/2018 4:35	5/22/2018 4:51	0:15:31	12.15	9.86	327.60	-34.44	48.38	347.39	-138.52	5.48
39	5/22/2018 5:15	5/22/2018 5:21	0:06:09	-29.53	162.99	398.89	-11.62	178.61	400.10	-140.18	3.82
40	5/22/2018 6:07	5/22/2018 6:33	0:25:49	12.85	-13.99	327.86	-51.57	72.91	376.35	-138.33	5.67
41	5/22/2018 6:49	5/22/2018 7:21	0:32:01	-23.14	145.93	399.62	51.52	-104.78	365.95	-139.31	4.69
42	5/22/2018 7:24	5/22/2018 8:07	0:43:40	49.86	-92.16	360.28	-51.39	65.28	382.60	-138.33	5.67
43	5/22/2018 8:24	5/22/2018 8:52	0:28:00	-13.99	130.17	399.90	51.75	-133.51	368.31	-139.37	4.63
44	5/22/2018 9:18	5/22/2018 9:34	0:15:51	-11.66	-42.92	330.34	-50.06	13.87	370.49	-138.57	5.43
45	5/22/2018 10:34	5/22/2018 11:07	0:33:10	36.51	-107.20	397.37	-50.69	-5.79	416.70	-142.10	1.90
46	5/22/2018 12:14	5/22/2018 12:52	0:37:59	15.37	-109.45	395.42	-38.23	35.05	412.22	-142.10	1.90
47	5/22/2018 12:54	5/22/2018 13:36	0:41:41	-32.77	42.38	409.92	43.47	-166.06	398.94	-142.16	1.84
48	5/22/2018 13:51	5/22/2018 14:03	0:12:10	2.01	-123.13	396.54	-33.69	-92.96	408.52	-142.13	1.87
49	5/22/2018 14:26	5/22/2018 15:09	0:43:31	-34.79	16.37	410.68	41.23	174.84	398.50	-142.15	1.85
50	5/22/2018 15:29	5/22/2018 15:40	0:11:30	-14.44	-134.71	400.62	-44.55	-98.49	413.62	-142.22	1.78
51	5/22/2018 16:06	5/22/2018 16:27	0:20:59	-12.39	14.09	402.22	45.92	73.14	400.50	-142.15	1.85
52	5/22/2018 16:40	5/22/2018 17:13	0:33:01	44.25	145.25	399.18	-45.88	-118.68	414.27	-142.11	1.89
53	5/22/2018 17:30	5/22/2018 17:56	0:25:31	-36.19	-32.49	411.17	37.48	33.38	399.24	-142.15	1.85
54	5/22/2018 18:13	5/22/2018 18:47	0:34:00	43.81	122.73	399.04	-47.89	-136.19	415.16	-142.11	1.89
55	5/22/2018 19:02	5/22/2018 19:41	0:39:20	-38.09	-58.73	411.92	50.32	77.71	400.63	-142.15	1.85
56	5/22/2018 19:44	5/22/2018 20:02	0:18:06	46.77	91.79	399.73	-2.13	145.78	395.79	-139.94	4.06
57	5/22/2018 20:04	5/22/2018 20:31	0:27:21	-8.77	150.52	397.47	-44.28	-93.52	414.30	-140.06	3.94
58	5/22/2018 20:34	5/22/2018 21:07	0:33:49	-39.64	-84.64	412.41	50.15	17.98	399.87	-139.84	4.16
59	5/22/2018 21:10	5/22/2018 21:29	0:19:50	51.63	30.60	399.89	12.95	111.44	393.94	-140.13	3.87

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	Start Time (GMT)	Stop Time (GMT)	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m^2/4kHz)	PFD Non- Compliance (dB)
60	5/22/2018 21:32	5/22/2018 21:50	0:18:51	6.35	116.29	394.42	-45.57	169.94	413.30	-139.99	4.01
61	5/22/2018 22:07	5/22/2018 22:41	0:34:20	-37.48	-104.79	411.50	51.28	2.60	399.99	-139.84	4.16
62	5/22/2018 23:00	5/22/2018 23:25	0:25:19	19.70	82.58	393.91	-48.85	156.75	415.04	-139.95	4.05
63	5/22/2018 23:43	5/22/2018 23:54	0:11:30	-29.04	-117.90	408.19	5.29	-90.74	398.25	-139.85	4.15
64	5/23/2018 0:25	5/23/2018 1:00	0:35:01	39.31	37.17	395.01	-51.21	146.74	418.75	-139.93	4.07
65	5/23/2018 1:02	5/23/2018 1:29	0:27:29	-51.78	159.64	419.50	14.08	-107.75	399.05	-139.91	4.09
66	5/23/2018 1:32	5/23/2018 1:57	0:25:30	20.53	-102.55	398.61	39.57	13.26	394.88	-140.02	3.98
67	5/23/2018 1:59	5/23/2018 2:34	0:34:20	34.22	20.91	393.85	-51.75	131.51	419.23	-139.93	4.07
68	5/23/2018 2:36	5/23/2018 2:47	0:11:00	-51.33	144.43	419.55	-30.97	-166.98	412.16	-138.83	5.17
69	5/23/2018 2:47	5/23/2018 2:48	0:01:10	-29.61	-165.50	411.59	-26.37	-162.19	410.26	-140.63	3.37
70	5/23/2018 2:49	5/23/2018 2:49	0:00:00	-24.48	-160.39	409.49	-24.48	-160.39	409.49	-142.60	1.40
71	5/23/2018 2:50	5/23/2018 2:51	0:01:01	-23.05	-159.08	408.91	-20.14	-156.55	407.78	-137.59	6.41
72	5/23/2018 2:51	5/23/2018 3:11	0:19:39	-18.67	-155.32	407.22	38.70	-105.80	398.95	-138.69	5.31
73	5/23/2018 3:41	5/23/2018 4:03	0:22:00	8.57	20.71	392.94	-49.31	88.19	417.35	-137.29	6.71
74	5/23/2018 4:13	5/23/2018 4:19	0:06:39	-46.12	144.45	418.18	-30.81	169.70	412.05	-139.03	4.97
75	5/23/2018 4:20	5/23/2018 4:21	0:00:59	-29.45	171.18	411.49	-26.68	174.02	410.35	-140.79	3.21
76	5/23/2018 4:22	5/23/2018 4:22	0:00:00	-24.32	176.27	409.39	-24.32	176.27	409.39	-143.79	0.21
77	5/23/2018 4:22	5/23/2018 4:23	0:01:01	-22.88	177.57	408.82	-19.97	-179.90	407.69	-137.43	6.57
78	5/23/2018 4:24	5/23/2018 4:27	0:03:09	-18.50	-178.68	407.13	-8.99	-171.36	403.87	-140.13	3.87
79	5/23/2018 5:05	5/23/2018 5:06	0:01:20	33.06	-24.64	393.66	29.46	-20.56	393.14	-141.80	2.20
80	5/23/2018 5:06	5/23/2018 5:06	0:00:00	28.08	-19.12	392.98	28.08	-19.12	392.98	-143.92	0.08
81	5/23/2018 5:13	5/23/2018 5:27	0:13:40	8.40	-2.66	392.96	-32.19	30.24	407.39	-137.06	6.94
82	5/23/2018 5:46	5/23/2018 5:53	0:06:50	-43.49	127.24	417.12	-26.51	150.69	410.20	-138.92	5.08
83	5/23/2018 5:55	5/23/2018 5:56	0:01:00	-22.71	154.23	408.69	-19.80	156.75	407.60	-137.37	6.63
84	5/23/2018 5:56	5/23/2018 6:05	0:08:39	-18.32	157.98	407.07	8.04	177.26	400.83	-139.62	4.38
85	5/23/2018 6:46	5/23/2018 7:06	0:20:30	7.83	-25.75	398.61	-47.53	34.56	418.27	-136.99	7.01
86	5/23/2018 7:22	5/23/2018 7:26	0:03:59	-36.70	115.34	414.44	-26.05	127.63	409.95	-139.17	4.83
87	5/23/2018 7:27	5/23/2018 7:58	0:31:05	-22.71	130.72	408.64	51.76	-125.05	403.56	-137.35	6.65
88	5/23/2018 7:59	5/23/2018 7:59	0:00:00	51.64	-122.05	403.50	51.64	-122.05	403.50	-143.86	0.14
89	5/23/2018 8:01	5/23/2018 8:01	0:00:00	50.19	-109.42	403.07	50.19	-109.42	403.07	-143.94	0.06
90	5/23/2018 8:02	5/23/2018 8:03	0:00:50	49.25	-104.84	402.83	48.13	-100.45	402.56	-139.20	4.80
91	5/23/2018 8:03	5/23/2018 8:05	0:01:59	47.36	-97.91	402.39	43.75	-88.57	401.59	-142.70	1.30
92	5/23/2018 8:07	5/23/2018 8:41	0:34:01	38.99	-79.82	400.64	-50.53	24.05	419.92	-137.48	6.52
93	5/23/2018 8:51	5/23/2018 9:16	0:25:10	-43.97	79.18	417.65	27.51	146.39	400.48	-137.24	6.76
94	5/23/2018 9:19	5/23/2018 9:31	0:12:20	33.39	152.88	401.03	51.73	-147.57	403.38	-139.29	4.71
95	5/23/2018 9:35	5/23/2018 9:35	0:00:30	48.83	-126.58	402.59	48.13	-123.97	402.43	-140.15	3.85
96	5/23/2018 9:36	5/23/2018 10:15	0:39:10	47.37	-121.43	402.25	-51.27	6.30	420.32	-137.46	6.54
97	5/23/2018 11:16	5/23/2018 11:25	0:09:09	30.08	-115.26	399.16	3.00	-92.83	399.40	-140.43	3.57
98	5/23/2018 11:26	5/23/2018 11:47	0:21:40	0.44	-91.03	399.84	-51.35	-16.34	420.44	-137.17	6.83
99	5/23/2018 12:43	5/23/2018 12:58	0:14:11	42.06	-155.67	401.25	2.50	-115.99	399.55	-139.85	4.15
100	5/23/2018 12:58	5/23/2018 12:58	0:00:00	-0.06	-114.18	400.00	-0.06	-114.18	400.00	-141.28	2.72
101	5/23/2018 13:00	5/23/2018 13:30	0:29:51	-6.20	-109.84	401.39	-40.85	14.78	416.31	-137.33	6.67
102	5/23/2018 13:32	5/23/2018 13:43	0:10:49	-35.69	22.69	414.06	-4.52	50.81	402.80	-139.15	4.85
103	5/23/2018 13:44	5/23/2018 13:47	0:03:31	-2.98	51.90	402.45	7.74	59.50	400.68	-139.45	4.55
104	5/23/2018 13:48	5/23/2018 13:49	0:00:59	9.27	60.61	400.53	12.30	62.86	400.30	-140.27	3.73
105	5/23/2018 13:49	5/23/2018 14:11	0:21:49	14.31	64.39	400.20	49.87	158.25	402.99	-137.82	6.18
106	5/23/2018 14:33	5/23/2018 14:43	0:10:40	-5.17	-134.08	401.14	-35.82	-106.25	412.82	-140.22	3.78
107	5/23/2018 15:00	5/23/2018 15:08	0:08:40	-46.76	-21.90	418.73	-26.32	9.81	409.98	-139.62	4.38
108	5/23/2018 15:46	5/23/2018 16:20	0:33:49	46.01	148.45	402.01	-45.69	-111.80	417.62	-140.09	3.91
109	5/23/2018 16:42	5/23/2018 16:56	0:14:31	-24.44	-11.91	409.66	19.26	21.33	400.47	-139.90	4.10
110	5/23/2018 17:20	5/23/2018 17:55	0:34:30	43.48	130.95	401.43	-48.83	-125.40	419.13	-140.10	3.90
111	5/23/2018 18:09	5/23/2018 18:39	0:30:21	-38.17	-51.37	415.41	46.05	33.88	402.99	-139.51	4.49
112	5/23/2018 18:55	5/23/2018 19:28	0:32:53	37.89	117.32	400.31	-49.87	-144.26	419.57	-139.35	4.65
113	5/23/2018 19:41	5/23/2018 20:15	0:33:50	-38.90	-76.00	415.68	50.43	27.08	403.60	-138.09	5.91
114	5/23/2018 20:33	5/23/2018 21:01	0:27:41	23.97	109.77	398.47	-49.86	-167.79	419.54	-137.96	6.04
115	5/23/2018 21:15	5/23/2018 21:49	0:34:19	-36.49	-95.94	414.63	51.47	12.27	403.74	-138.25	5.75
116	5/23/2018 22:00	5/23/2018 22:32	0:31:50	37.83	70.38	400.35	-48.63	163.31	418.94	-137.85	6.15
117	5/23/2018 22:49	5/23/2018 23:02	0:12:50	-31.77	-113.49	412.71	6.25	-82.63	401.60	-139.48	4.52
118	5/23/2018 23:33	5/24/2018 0:07	0:34:00	37.85	46.83	401.31	-50.92	151.66	420.43	-140.15	3.85

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	Start Time (GMT)	Stop Time (GMT)	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non- Compliance (dB)
119	5/24/2018 0:27	5/24/2018 0:37	0:09:59	-17.14	-123.19	407.28	13.30	-100.97	401.20	-139.93	4.07
120	5/24/2018 1:06	5/24/2018 1:41	0:35:19	35.83	26.19	400.72	-51.79	140.87	420.93	-140.15	3.85
121	5/24/2018 1:44	5/24/2018 2:26	0:42:41	-51.13	153.74	420.84	51.37	-59.48	404.48	-139.81	4.19
122	5/24/2018 2:28	5/24/2018 2:39	0:10:19	51.74	-46.49	404.37	35.44	3.19	400.62	-140.33	3.67
123	5/24/2018 2:41	5/24/2018 3:06	0:25:00	29.71	10.02	399.73	-42.00	75.50	415.86	-140.15	3.85
124	5/24/2018 3:08	5/24/2018 3:47	0:38:51	-46.23	85.07	417.93	28.74	-134.49	401.66	-139.95	4.05
125	5/24/2018 3:56	5/24/2018 4:08	0:12:30	48.40	-99.86	404.17	42.51	-31.65	402.00	-140.35	3.65
126	5/24/2018 4:10	5/24/2018 4:52	0:41:20	37.55	-23.27	401.00	-47.63	123.84	419.43	-140.16	3.84
127	5/24/2018 4:54	5/24/2018 5:21	0:27:29	-43.77	133.97	417.89	34.07	-151.92	402.22	-139.95	4.05
128	5/24/2018 5:31	5/24/2018 6:07	0:35:59	51.16	-108.63	404.52	-32.24	14.12	411.19	-140.17	3.83

Max. Exceedance: 12.37 dB

Table 2 Approach (TDRS MA - 6M16G1D) PFD Exceedances

	Start Time (GMT)	Stop Time (GMT)	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m^2/4kHz)	PFD Non- Compliance (dB)
1	5/21/2018 8:53	5/21/2018 9:14	0:21:30	23.78	-59.86	202.56	-40.94	-1.95	271.06	-132.73	11.27
2	5/21/2018 9:16	5/21/2018 9:55	0:38:51	-45.48	7.63	281.01	29.88	151.44	280.05	-135.20	8.80
3	5/21/2018 9:57	5/21/2018 10:10	0:12:20	35.74	158.51	274.71	51.15	-136.98	243.47	-134.88	9.12
4	5/21/2018 10:12	5/21/2018 10:53	0:40:51	48.93	-124.33	238.40	-51.76	21.93	310.00	-131.92	12.08
5	5/21/2018 10:55	5/21/2018 11:28	0:32:40	-50.72	34.98	314.47	36.78	137.13	272.13	-134.81	9.19
6	5/21/2018 11:29	5/21/2018 11:42	0:12:40	41.59	144.91	267.10	48.08	-144.01	236.26	-130.93	13.07
7	5/21/2018 11:44	5/21/2018 12:23	0:38:31	44.19	-133.20	232.03	-51.68	1.50	310.73	-130.17	13.83
8	5/21/2018 12:25	5/21/2018 12:58	0:33:10	-50.36	14.42	314.99	39.00	117.62	270.12	-134.87	9.13
9	5/21/2018 13:00	5/21/2018 13:29	0:28:50	43.88	126.68	264.68	0.98	-110.67	231.35	-129.84	14.16
10	5/21/2018 13:31	5/21/2018 13:55	0:23:40	-5.93	-105.75	236.49	-50.14	-7.12	315.13	-133.03	10.97
11	5/21/2018 13:57	5/21/2018 14:29	0:31:21	-47.24	4.54	317.96	40.22	96.78	323.38	-135.35	8.65
12	5/21/2018 14:31	5/21/2018 14:39	0:08:06	44.85	106.05	325.74	51.40	151.67	332.22	-134.92	9.08
13	5/21/2018 14:55	5/21/2018 15:07	0:12:11	16.33	-145.01	327.69	-21.14	-117.03	327.77	-136.69	7.31
14	5/21/2018 15:31	5/21/2018 15:58	0:27:21	-42.03	-6.05	323.90	37.16	68.89	322.67	-136.05	7.95
15	5/21/2018 16:07	5/21/2018 16:14	0:06:30	51.68	115.28	331.27	46.39	152.41	332.49	-137.57	6.43
16	5/21/2018 16:29	5/21/2018 16:41	0:12:31	7.15	-161.20	326.82	-30.66	-130.86	329.19	-136.68	7.32
17	5/21/2018 16:59	5/21/2018 17:20	0:20:30	-46.64	-39.85	326.25	10.77	20.08	314.15	-136.04	7.96
18	5/21/2018 17:56	5/21/2018 18:14	0:17:11	16.41	168.73	327.73	-35.08	-148.63	329.90	-136.68	7.32
19	5/21/2018 18:35	5/21/2018 18:58	0:23:31	-36.98	-43.95	321.57	32.77	16.92	320.66	-136.04	7.96
20	5/21/2018 19:13	5/21/2018 19:28	0:14:10	49.61	94.74	332.48	15.43	146.40	327.58	-136.58	7.42
21	5/21/2018 19:30	5/21/2018 19:45	0:15:41	8.78	151.42	326.91	-37.59	-168.26	330.23	-136.67	7.33
22	5/21/2018 20:06	5/21/2018 20:32	0:26:00	-36.59	-66.50	321.31	39.51	3.18	323.65	-136.04	7.96
23	5/21/2018 20:50	5/21/2018 21:16	0:25:30	37.95	99.98	331.29	-36.73	167.40	330.14	-136.57	7.43
24	5/21/2018 21:40	5/21/2018 22:04	0:24:19	-28.09	-79.48	317.96	42.85	-13.85	325.31	-136.03	7.97
25	5/21/2018 22:06	5/21/2018 22:54	0:48:11	46.98	-3.77	327.57	-50.49	179.19	331.19	-136.41	7.59
26	5/21/2018 22:56	5/21/2018 23:43	0:46:29	-51.71	-167.86	330.55	51.71	7.55	331.86	-135.98	8.02
27	5/21/2018 23:45	5/22/2018 0:29	0:43:59	50.51	20.50	332.48	-51.50	-179.85	329.83	-136.24	7.76
28	5/22/2018 0:31	5/22/2018 0:43	0:11:21	-49.81	-167.14	328.35	-24.33	-122.03	317.02	-135.97	8.03
29	5/22/2018 1:08	5/22/2018 1:27	0:19:01	47.48	-48.43	327.80	26.91	43.95	329.16	-136.61	7.39
30	5/22/2018 1:31	5/22/2018 1:53	0:21:40	15.07	54.26	327.39	-46.10	115.97	362.49	-136.64	7.36
31	5/22/2018 2:06	5/22/2018 2:29	0:22:20	-42.92	-169.59	393.69	20.81	-110.73	395.27	-137.72	6.28
32	5/22/2018 2:54	5/22/2018 3:24	0:30:11	39.25	5.33	344.30	-45.85	91.96	362.44	-136.60	7.40
33	5/22/2018 3:33	5/22/2018 4:06	0:33:20	-50.84	140.24	384.98	36.40	-117.41	388.97	-137.74	6.26
34	5/22/2018 4:35	5/22/2018 4:51	0:15:31	12.15	9.86	327.60	-34.44	48.38	347.39	-136.73	7.27
35	5/22/2018 5:15	5/22/2018 5:21	0:06:09	-29.53	162.99	398.89	-11.62	178.61	400.10	-138.39	5.61
36	5/22/2018 6:07	5/22/2018 6:33	0:25:49	12.85	-13.99	327.86	-51.57	72.91	376.35	-136.54	7.46
37	5/22/2018 6:49	5/22/2018 7:21	0:32:01	-23.14	145.93	399.62	51.52	-104.78	365.95	-137.52	6.48
38	5/22/2018 7:24	5/22/2018 8:07	0:43:40	49.86	-92.16	360.28	-51.39	65.28	382.60	-136.54	7.46
39	5/22/2018 8:24	5/22/2018 8:52	0:28:00	-13.99	130.17	399.90	51.75	-133.51	368.31	-137.58	6.42
40	5/22/2018 9:18	5/22/2018 9:34	0:15:51	-11.66	-42.92	330.34	-50.06	13.87	370.49	-136.78	7.22
41	5/22/2018 10:34	5/22/2018 11:07	0:33:10	36.51	-107.20	397.37	-50.69	-5.79	416.70	-140.31	3.69
42	5/22/2018 12:14	5/22/2018 12:52	0:37:59	15.37	-109.45	395.42	-38.23	35.05	412.22	-140.31	3.69
43	5/22/2018 12:54	5/22/2018 13:36	0:41:41	-32.77	42.38	409.92	43.47	-166.06	398.94	-140.37	3.63
44	5/22/2018 13:51	5/22/2018 14:03	0:12:10	2.01	-123.13	396.54	-33.69	-92.96	408.52	-140.34	3.66
45	5/22/2018 14:26	5/22/2018 15:09	0:43:31	-34.79	16.37	410.68	41.23	174.84	398.50	-140.36	3.64
46	5/22/2018 15:29	5/22/2018 15:40	0:11:30	-14.44	-134.71	400.62	-44.55	-98.49	413.62	-140.43	3.57
47	5/22/2018 16:06	5/22/2018 16:27	0:20:59	-12.39	14.09	402.22	45.92	73.14	400.50	-140.36	3.64
48	5/22/2018 16:40	5/22/2018 17:13	0:33:01	44.25	145.25	399.18	-45.88	-118.68	414.27	-140.32	3.68
49	5/22/2018 17:30	5/22/2018 17:56	0:25:31	-36.19	-32.49	411.17	37.48	33.38	399.24	-140.36	3.64
50	5/22/2018 18:13	5/22/2018 18:47	0:34:00	43.81	122.73	399.04	-47.89	-136.19	415.16	-140.32	3.68
51	5/22/2018 19:02	5/22/2018 19:41	0:39:20	-38.09	-58.73	411.92	50.32	77.71	400.63	-140.36	3.64
52	5/22/2018 19:44	5/22/2018 20:02	0:18:06	46.77	91.79	399.73	-2.13	145.78	395.79	-138.15	5.85
53	5/22/2018 20:04	5/22/2018 20:31	0:27:21	-8.77	150.52	397.47	-44.28	-93.52	414.30	-138.27	5.73
54	5/22/2018 20:34	5/22/2018 21:07	0:33:49	-39.64	-84.64	412.41	50.15	17.98	399.87	-138.05	5.95
55	5/22/2018 21:10	5/22/2018 21:29	0:19:50	51.63	30.60	399.89	12.95	111.44	393.94	-138.34	5.66
56	5/22/2018 21:32	5/22/2018 21:50	0:18:51	6.35	116.29	394.42	-45.57	169.94	413.30	-138.20	5.80
57	5/22/2018 22:07	5/22/2018 22:41	0:34:20	-37.48	-104.79	411.50	51.28	2.60	399.99	-138.05	5.95
58	5/22/2018 23:00	5/22/2018 23:25	0:25:19	19.70	82.58	393.91	-48.85	156.75	415.04	-138.16	5.84
59	5/22/2018 23:43	5/22/2018 23:54	0:11:30	-29.04	-117.90	408.19	5.29	-90.74	398.25	-138.06	5.94

Table 2 Approach (TDRS MA - 6M16G1D) PFD Exceedances

	Start Time (GMT)	Stop Time (GMT)	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m^2/4kHz)	PFD Non- Compliance (dB)
60	5/23/2018 0:25	5/23/2018 1:00	0:35:01	39.31	37.17	395.01	-51.21	146.74	418.75	-138.14	5.86
61	5/23/2018 1:02	5/23/2018 1:29	0:27:29	-51.78	159.64	419.50	14.08	-107.75	399.05	-138.12	5.88
62	5/23/2018 1:32	5/23/2018 1:57	0:25:30	20.53	-102.55	398.61	39.57	13.26	394.88	-138.23	5.77
63	5/23/2018 1:59	5/23/2018 2:34	0:34:20	34.22	20.91	393.85	-51.75	131.51	419.23	-138.14	5.86
64	5/23/2018 2:36	5/23/2018 2:47	0:11:00	-51.33	144.43	419.55	-30.97	-166.98	412.16	-137.04	6.96
65	5/23/2018 2:47	5/23/2018 3:11	0:23:29	-29.61	-165.50	411.59	38.70	-105.80	398.95	-135.80	8.20
66	5/23/2018 3:36	5/23/2018 3:39	0:02:19	21.08	10.91	392.46	14.14	16.55	392.49	-142.56	1.44
67	5/23/2018 3:39	5/23/2018 4:03	0:23:09	12.12	18.08	392.61	-49.31	88.19	417.35	-135.50	8.50
68	5/23/2018 4:13	5/23/2018 4:27	0:14:09	-46.12	144.45	418.18	-8.99	-171.36	403.87	-135.64	8.36
69	5/23/2018 5:05	5/23/2018 5:08	0:03:20	33.06	-24.64	393.66	23.82	-15.01	392.59	-140.01	3.99
70	5/23/2018 5:09	5/23/2018 5:11	0:02:20	20.91	-12.43	392.45	13.96	-6.81	392.49	-142.52	1.48
71	5/23/2018 5:12	5/23/2018 5:27	0:14:49	11.95	-5.28	392.61	-32.19	30.24	407.39	-135.27	8.73
72	5/23/2018 5:46	5/23/2018 6:05	0:18:19	-43.49	127.24	417.12	8.04	177.26	400.83	-135.58	8.42
73	5/23/2018 6:40	5/23/2018 6:40	0:00:20	24.70	-39.32	398.54	23.75	-38.44	398.47	-143.13	0.87
74	5/23/2018 6:41	5/23/2018 7:06	0:24:51	20.84	-35.87	398.30	-47.53	34.56	418.27	-135.20	8.80
75	5/23/2018 7:22	5/23/2018 7:59	0:37:26	-36.70	115.34	414.44	51.35	-118.08	403.40	-135.56	8.44
76	5/23/2018 8:01	5/23/2018 8:05	0:04:20	50.35	-110.36	403.11	43.75	-88.57	401.59	-137.41	6.59
77	5/23/2018 8:07	5/23/2018 8:41	0:34:01	38.99	-79.82	400.64	-50.53	24.05	419.92	-135.69	8.31
78	5/23/2018 8:51	5/23/2018 9:16	0:25:10	-43.97	79.18	417.65	27.51	146.39	400.48	-135.45	8.55
79	5/23/2018 9:19	5/23/2018 9:32	0:13:30	33.39	152.88	401.03	51.26	-140.62	403.21	-137.50	6.50
80	5/23/2018 9:35	5/23/2018 10:15	0:40:11	48.83	-126.58	402.59	-51.27	6.30	420.32	-135.67	8.33
81	5/23/2018 11:16	5/23/2018 11:47	0:31:39	30.08	-115.26	399.16	-51.35	-16.34	420.44	-135.38	8.62
82	5/23/2018 12:43	5/23/2018 12:58	0:14:20	42.06	-155.67	401.25	1.99	-115.63	399.64	-138.06	5.94
83	5/23/2018 12:58	5/23/2018 12:58	0:00:00	-0.06	-114.18	400.00	-0.06	-114.18	400.00	-139.49	4.51
84	5/23/2018 13:00	5/23/2018 13:30	0:29:51	-6.20	-109.84	401.39	-40.85	14.78	416.31	-135.54	8.46
85	5/23/2018 13:32	5/23/2018 14:11	0:38:49	-35.69	22.69	414.06	49.87	158.25	402.99	-136.03	7.97
86	5/23/2018 14:33	5/23/2018 14:43	0:10:40	-5.17	-134.08	401.14	-35.82	-106.25	412.82	-138.43	5.57
87	5/23/2018 15:00	5/23/2018 15:08	0:08:40	-46.76	-21.90	418.73	-26.32	9.81	409.98	-137.83	6.17
88	5/23/2018 15:46	5/23/2018 16:20	0:33:49	46.01	148.45	402.01	-45.69	-111.80	417.62	-138.30	5.70
89	5/23/2018 16:42	5/23/2018 16:56	0:14:31	-24.44	-11.91	409.66	19.26	21.33	400.47	-138.11	5.89
90	5/23/2018 17:20	5/23/2018 17:55	0:34:30	43.48	130.95	401.43	-48.83	-125.40	419.13	-138.31	5.69
91	5/23/2018 18:09	5/23/2018 18:39	0:30:21	-38.17	-51.37	415.41	46.05	33.88	402.99	-137.72	6.28
92	5/23/2018 18:55	5/23/2018 19:28	0:32:53	37.89	117.32	400.31	-49.87	-144.26	419.57	-137.56	6.44
93	5/23/2018 19:41	5/23/2018 20:15	0:33:50	-38.90	-76.00	415.68	50.43	27.08	403.60	-136.30	7.70
94	5/23/2018 20:33	5/23/2018 21:01	0:27:41	23.97	109.77	398.47	-49.86	-167.79	419.54	-136.17	7.83
95	5/23/2018 21:15	5/23/2018 21:49	0:34:19	-36.49	-95.94	414.63	51.47	12.27	403.74	-136.46	7.54
96	5/23/2018 22:00	5/23/2018 22:32	0:31:50	37.83	70.38	400.35	-48.63	163.31	418.94	-136.06	7.94
97	5/23/2018 22:49	5/23/2018 23:02	0:12:50	-31.77	-113.49	412.71	6.25	-82.63	401.60	-137.69	6.31
98	5/23/2018 23:33	5/24/2018 0:07	0:34:00	37.85	46.83	401.31	-50.92	151.66	420.43	-138.36	5.64
99	5/24/2018 0:27	5/24/2018 0:37	0:09:59	-17.14	-123.19	407.28	13.30	-100.97	401.20	-138.14	5.86
100	5/24/2018 1:06	5/24/2018 1:41	0:35:19	35.83	26.19	400.72	-51.79	140.87	420.93	-138.36	5.64
101	5/24/2018 1:44	5/24/2018 2:26	0:42:41	-51.13	153.74	420.84	51.37	-59.48	404.48	-138.02	5.98
102	5/24/2018 2:28	5/24/2018 2:39	0:10:19	51.74	-46.49	404.37	35.44	3.19	400.62	-138.54	5.46
103	5/24/2018 2:41	5/24/2018 3:06	0:25:00	29.71	10.02	399.73	-42.00	75.50	415.86	-138.36	5.64
104	5/24/2018 3:08	5/24/2018 3:47	0:38:51	-46.23	85.07	417.93	28.74	-134.49	401.66	-138.16	5.84
105	5/24/2018 3:56	5/24/2018 4:08	0:12:30	48.40	-99.86	404.17	42.51	-31.65	402.00	-138.56	5.44
106	5/24/2018 4:10	5/24/2018 4:52	0:41:20	37.55	-23.27	401.00	-47.63	123.84	419.43	-138.37	5.63
107	5/24/2018 4:54	5/24/2018 5:21	0:27:29	-43.77	133.97	417.89	34.07	-151.92	402.22	-138.16	5.84
108	5/24/2018 5:31	5/24/2018 6:07	0:35:59	51.16	-108.63	404.52	-32.24	14.12	411.19	-138.38	5.62

Max. Exceedance: 14.16 dB

Table 3 Approach (GN - 4M98G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non- Compliance (dB)
1	5/21/2018 14:43	5/21/2018 14:50	0:06:39	45.77	177.18	332.44	29.95	-157.48	329.87	-138.73	5.27
2	5/21/2018 16:19	5/21/2018 16:24	0:05:30	36.20	171.81	331.01	20.87	-171.86	328.37	-138.51	5.49
3	5/22/2018 0:54	5/22/2018 1:03	0:09:20	11.10	-95.19	314.24	37.80	-68.78	322.85	-138.08	5.92
4	5/22/2018 2:33	5/22/2018 2:39	0:06:00	33.80	-97.51	390.58	46.95	-73.35	381.25	-140.35	3.65
5	5/22/2018 5:26	5/22/2018 5:34	0:07:50	2.62	-171.19	398.89	25.97	-152.68	393.57	-139.98	4.02
6	5/22/2018 5:48	5/22/2018 5:53	0:04:10	51.77	-89.17	368.92	48.98	-64.84	358.10	-140.26	3.74
7	5/22/2018 9:00	5/22/2018 9:07	0:06:20	40.98	-90.88	346.80	24.25	-70.09	332.86	-138.62	5.38
8	5/22/2018 15:14	5/22/2018 15:22	0:08:00	29.97	-169.66	396.54	6.44	-149.78	395.98	-142.24	1.76
9	5/22/2018 23:59	5/23/2018 0:00	0:01:19	19.37	-80.03	397.31	23.27	-76.65	397.38	-143.50	0.50
10	5/23/2018 0:01	5/23/2018 0:03	0:01:51	26.13	-73.98	397.50	31.20	-68.69	397.85	-139.60	4.40
11	5/23/2018 0:03	5/23/2018 0:03	0:00:00	32.54	-67.14	397.97	32.54	-67.14	397.97	-143.55	0.45
12	5/23/2018 0:04	5/23/2018 0:04	0:00:10	33.85	-65.54	398.10	34.28	-65.00	398.14	-142.17	1.83
13	5/23/2018 0:05	5/23/2018 0:07	0:01:51	36.40	-62.19	398.36	40.76	-55.41	398.87	-139.75	4.25
14	5/23/2018 4:31	5/23/2018 4:38	0:06:39	4.80	-161.57	400.47	24.72	-145.81	398.60	-138.86	5.14
15	5/23/2018 4:53	5/23/2018 4:57	0:03:59	51.76	-77.92	398.69	48.56	-55.03	397.24	-139.73	4.27
16	5/23/2018 6:09	5/23/2018 6:14	0:04:11	22.01	-171.76	400.36	33.58	-159.87	401.23	-140.15	3.85
17	5/23/2018 6:28	5/23/2018 6:36	0:07:10	50.12	-85.53	402.97	36.81	-53.04	400.14	-139.98	4.02
18	5/23/2018 23:06	5/23/2018 23:13	0:06:29	20.29	-71.84	401.00	37.97	-52.51	402.62	-140.30	3.70
19	5/24/2018 0:41	5/24/2018 0:50	0:09:11	26.96	-89.27	401.43	47.96	-54.40	404.06	-140.51	3.49

Max. Exceedance: 5.92 dB

Table 4 Approach (GN - 3M00G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non- Compliance (dB)
1	5/21/2018 14:43	5/21/2018 14:50	0:06:39	45.77	177.18	332.44	29.95	-157.48	329.87	-135.72	8.28
2	5/21/2018 16:19	5/21/2018 16:24	0:05:30	36.20	171.81	331.01	20.87	-171.86	328.37	-135.50	8.50
3	5/22/2018 0:54	5/22/2018 1:03	0:09:20	11.10	-95.19	314.24	37.80	-68.78	322.85	-135.06	8.94
4	5/22/2018 2:33	5/22/2018 2:39	0:06:00	33.80	-97.51	390.58	46.95	-73.35	381.25	-137.34	6.66
5	5/22/2018 5:26	5/22/2018 5:34	0:07:50	2.62	-171.19	398.89	25.97	-152.68	393.57	-136.97	7.03
6	5/22/2018 5:48	5/22/2018 5:53	0:04:10	51.77	-89.17	368.92	48.98	-64.84	358.10	-137.25	6.75
7	5/22/2018 9:00	5/22/2018 9:07	0:06:20	40.98	-90.88	346.80	24.25	-70.09	332.86	-135.61	8.39
8	5/22/2018 15:14	5/22/2018 15:22	0:08:00	29.97	-169.66	396.54	6.44	-149.78	395.98	-139.23	4.77
9	5/22/2018 23:59	5/23/2018 0:03	0:04:10	19.37	-80.03	397.31	31.20	-68.69	397.85	-136.59	7.41
10	5/23/2018 0:03	5/23/2018 0:07	0:03:50	32.54	-67.14	397.97	41.86	-53.40	399.01	-136.74	7.26
11	5/23/2018 4:31	5/23/2018 4:38	0:06:50	4.28	-161.93	400.57	24.72	-145.81	398.60	-135.85	8.15
12	5/23/2018 4:53	5/23/2018 4:57	0:03:59	51.76	-77.92	398.69	48.56	-55.03	397.24	-136.72	7.28
13	5/23/2018 6:09	5/23/2018 6:14	0:04:11	22.01	-171.76	400.36	33.58	-159.87	401.23	-137.14	6.86
14	5/23/2018 6:28	5/23/2018 6:36	0:07:10	50.12	-85.53	402.97	36.81	-53.04	400.14	-136.97	7.03
15	5/23/2018 23:06	5/23/2018 23:13	0:06:29	20.29	-71.84	401.00	37.97	-52.51	402.62	-137.29	6.71
16	5/24/2018 0:41	5/24/2018 0:50	0:09:11	26.96	-89.27	401.43	47.96	-54.40	404.06	-137.50	6.50

Max. Exceedance: 8.94 dB

Table 5 Approach (CLS - 5M93G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non- Compliance (dB)
1	5/23/2018 14:03	5/23/2018 14:04	0:01:10	48.45	111.94	403.20	49.91	118.22	403.41	-142.57	1.43
2	5/23/2018 14:05	5/23/2018 14:12	0:06:29	50.56	121.97	403.50	49.49	160.08	402.90	-141.10	2.90
3	5/23/2018 14:13	5/23/2018 14:13	0:00:31	48.16	165.38	402.59	47.40	167.92	402.42	-141.91	2.09
4	5/23/2018 14:31	5/23/2018 15:31	1:00:00	-0.56	-137.34	400.12	39.53	67.47	401.85	-138.49	5.51
5	5/23/2018 15:32	5/23/2018 15:41	0:09:11	42.14	72.09	402.24	51.59	121.23	403.45	-143.33	0.67
6	5/23/2018 15:43	5/23/2018 19:16	3:33:32	50.94	128.11	403.23	-23.20	169.49	406.96	-138.49	5.51
7	5/23/2018 19:17	5/23/2018 19:17	0:00:09	-25.10	171.25	407.77	-25.58	171.69	407.97	-143.02	0.98
8	5/23/2018 19:29	5/23/2018 20:22	0:53:41	-50.53	-140.54	419.92	48.38	70.57	402.56	-135.51	8.49
9	5/23/2018 20:36	5/23/2018 20:37	0:00:41	14.13	117.97	398.22	12.12	119.50	398.30	-142.82	1.18
10	5/23/2018 20:38	5/23/2018 20:48	0:09:50	9.59	121.38	398.46	-20.28	143.43	405.77	-138.60	5.40
11	5/23/2018 20:48	5/23/2018 20:49	0:00:30	-21.74	144.68	406.35	-23.18	145.97	406.95	-141.16	2.84
12	5/23/2018 20:49	5/23/2018 20:50	0:00:20	-25.09	147.73	407.76	-26.04	148.63	408.16	-142.93	1.07
13	5/23/2018 21:01	5/23/2018 21:55	0:53:30	-50.67	-163.12	419.96	48.38	47.04	402.62	-135.55	8.45
14	5/23/2018 22:09	5/23/2018 22:10	0:00:50	14.15	94.45	398.20	11.63	96.36	398.30	-142.71	1.29
15	5/23/2018 22:10	5/23/2018 22:33	0:22:39	9.60	97.86	398.43	-49.67	167.76	419.47	-138.66	5.34
16	5/23/2018 22:44	5/24/2018 6:07	7:22:30	-42.63	-129.61	417.33	-32.24	14.12	411.19	-138.54	5.46

Max. Exceedance: 8.49 dB

Table 1 Berthed (CLS - 5M93G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non- Compliance (dB)
1	5/31/2018 20:00	6/1/2018 4:39	8:39:10	8.63	84.11	402.71	21.16	156.76	406.14	-140.06	3.94

Max. Exceedance: 3.94 dB

Table 1 Departure (TRDS SSA - 6M16G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m^2/4kHz)	PFD Non-Compliance (dB)
1	7/20/2018 17:51	7/20/2018 18:23	0:32:20	45.17	59.52	483.72	-6.41	-175.96	483.67	-143.78	0.22
2	7/20/2018 19:33	7/20/2018 19:58	0:24:41	51.03	84.32	486.44	-9.99	162.73	484.34	-143.77	0.23
3	7/20/2018 20:29	7/20/2018 20:51	0:22:09	-35.97	-68.00	488.83	27.98	-14.07	479.31	-143.69	0.31
4	7/20/2018 21:20	7/20/2018 21:32	0:11:50	24.98	112.33	482.79	-10.09	138.89	484.39	-143.78	0.22
5	7/20/2018 23:31	7/20/2018 23:35	0:03:21	-48.23	-141.23	494.61	-42.31	-126.05	491.79	-143.95	0.05
6	7/21/2018 0:04	7/21/2018 0:39	0:34:41	38.40	-49.05	481.87	-3.79	86.53	483.14	-143.77	0.23
7	7/21/2018 1:06	7/21/2018 1:12	0:06:31	-47.94	-164.15	494.67	-34.48	-137.78	488.49	-143.89	0.11
8	7/21/2018 2:23	7/21/2018 2:27	0:04:20	-33.42	88.29	491.07	-43.43	104.07	494.59	-143.94	0.06
9	7/21/2018 2:40	7/21/2018 2:40	0:00:30	-47.90	172.10	494.68	-47.13	174.55	494.31	-143.99	0.01
10	7/21/2018 3:17	7/21/2018 3:45	0:28:20	47.46	-77.57	484.51	1.55	34.94	482.21	-143.77	0.23
11	7/21/2018 4:14	7/21/2018 4:19	0:05:19	-47.85	148.35	494.59	-37.21	170.70	489.70	-143.91	0.09
12	7/21/2018 5:03	7/21/2018 5:12	0:09:00	45.73	-37.38	485.66	24.07	-6.39	482.35	-143.78	0.22
13	7/21/2018 5:34	7/21/2018 5:36	0:01:59	-39.65	49.23	493.15	-43.89	57.22	494.62	-143.97	0.03
14	7/21/2018 5:48	7/21/2018 6:02	0:13:21	-48.05	123.77	494.62	-15.75	168.67	481.51	-143.77	0.23
15	7/21/2018 6:28	7/21/2018 6:53	0:24:40	51.30	-106.16	485.90	1.86	-13.09	482.24	-143.77	0.23
16	7/21/2018 9:02	7/21/2018 9:19	0:17:00	-38.17	97.55	490.04	10.44	139.79	477.53	-143.69	0.31
17	7/21/2018 11:16	7/21/2018 11:38	0:22:10	50.21	-149.26	486.15	-5.46	-79.66	483.42	-143.77	0.23
18	7/21/2018 12:05	7/21/2018 12:25	0:20:00	-47.86	28.76	494.66	4.63	87.78	477.60	-143.69	0.31
19	7/21/2018 14:20	7/21/2018 14:40	0:19:01	51.76	142.05	486.12	14.84	-142.12	482.06	-143.78	0.22
20	7/21/2018 15:13	7/21/2018 15:32	0:18:49	-48.01	-19.58	494.65	0.79	37.25	477.85	-143.70	0.30
21	7/21/2018 17:26	7/21/2018 17:42	0:15:20	50.33	79.23	485.33	32.43	153.68	485.78	-139.49	4.51
22	7/21/2018 18:28	7/21/2018 18:38	0:09:31	-32.93	-38.90	493.95	-5.81	-15.26	482.56	-141.52	2.48
23	7/21/2018 20:37	7/21/2018 20:51	0:14:29	51.73	45.12	486.11	28.28	110.38	485.58	-142.60	1.40
24	7/21/2018 21:36	7/21/2018 21:45	0:09:59	-36.54	-91.44	495.81	-8.63	-65.15	483.38	-141.48	2.52
25	7/21/2018 23:08	7/21/2018 23:25	0:17:10	-41.63	-123.53	498.71	6.26	-78.52	480.21	-141.49	2.51
26	7/21/2018 23:37	7/22/2018 0:11	0:34:20	39.09	-46.73	482.27	-3.66	87.68	488.60	-141.77	2.23
27	7/22/2018 0:30	7/22/2018 0:38	0:07:50	-50.62	153.34	505.35	-47.83	-162.56	502.47	-141.72	2.28
28	7/22/2018 1:11	7/22/2018 1:23	0:11:11	40.48	-68.37	482.56	51.02	-10.06	486.52	-141.99	2.01
29	7/22/2018 2:06	7/22/2018 2:17	0:11:00	-51.65	139.60	505.45	-38.13	-165.55	497.10	-141.73	2.27
30	7/22/2018 2:48	7/22/2018 3:18	0:30:19	45.43	-82.08	483.81	-0.82	37.81	487.65	-141.77	2.23
31	7/22/2018 3:33	7/22/2018 3:42	0:09:59	-40.17	75.20	501.57	-51.68	126.11	505.03	-142.06	1.94
32	7/22/2018 4:33	7/22/2018 4:44	0:11:20	49.40	-48.40	486.51	24.42	-5.53	485.10	-142.53	1.47
33	7/22/2018 5:08	7/22/2018 5:31	0:22:50	-42.22	54.96	502.34	-26.35	160.65	490.96	-141.49	2.51
34	7/22/2018 6:00	7/22/2018 6:24	0:23:20	50.54	-110.96	485.40	9.02	-17.04	485.98	-141.94	2.06
35	7/22/2018 7:40	7/22/2018 7:55	0:15:40	50.69	-103.24	486.55	15.60	-45.93	485.44	-142.25	1.75
36	7/22/2018 9:17	7/22/2018 9:27	0:09:01	46.23	-109.31	486.35	24.87	-77.75	485.18	-142.39	1.61
37	7/22/2018 9:47	7/22/2018 10:28	0:40:11	-35.73	-27.19	499.95	16.44	121.55	487.75	-141.57	2.43
38	7/22/2018 10:57	7/22/2018 11:11	0:14:30	36.26	-114.48	489.98	-5.26	-78.74	489.73	-141.82	2.18
39	7/22/2018 11:20	7/22/2018 11:55	0:34:30	-31.98	-55.82	498.42	-4.91	82.10	489.61	-141.57	2.43
40	7/22/2018 12:25	7/22/2018 12:33	0:08:00	47.22	-160.12	492.32	29.31	-130.08	489.01	-142.37	1.63
41	7/22/2018 12:57	7/22/2018 13:06	0:08:59	-38.26	-71.49	501.13	-51.63	-28.28	506.72	-142.16	1.84
42	7/22/2018 13:42	7/22/2018 13:43	0:01:21	32.40	88.72	489.36	35.79	92.98	489.95	-141.84	2.16
43	7/22/2018 13:44	7/22/2018 14:06	0:22:30	37.41	95.26	490.25	32.78	-157.93	489.58	-142.02	1.98
44	7/22/2018 14:34	7/22/2018 15:05	0:31:19	-43.40	-86.32	503.26	0.25	37.82	488.64	-141.44	2.56
45	7/22/2018 15:17	7/22/2018 15:18	0:01:10	33.32	65.87	489.50	36.26	69.67	490.01	-141.85	2.15
46	7/22/2018 15:19	7/22/2018 15:50	0:31:59	37.86	71.98	490.31	5.06	-157.88	488.34	-142.03	1.97
47	7/22/2018 16:52	7/22/2018 16:52	0:00:20	36.32	45.80	490.02	37.13	46.94	490.18	-142.93	1.07
48	7/22/2018 16:53	7/22/2018 17:27	0:34:20	38.32	48.70	490.40	-2.54	-176.48	489.34	-141.82	2.18
49	7/22/2018 17:42	7/22/2018 18:11	0:28:30	-42.48	-136.09	502.85	-9.61	-17.11	490.56	-141.28	2.72
50	7/22/2018 18:50	7/22/2018 19:03	0:12:31	29.95	133.42	489.14	-6.62	162.46	490.10	-141.83	2.17
51	7/22/2018 19:15	7/22/2018 19:48	0:33:30	-38.49	-166.96	501.08	-0.03	-34.24	488.61	-141.16	2.84
52	7/22/2018 20:23	7/22/2018 20:38	0:15:20	35.90	102.29	490.14	-8.19	139.64	490.48	-141.83	2.17
53	7/22/2018 21:36	7/22/2018 21:36	0:00:21	37.71	-24.08	490.35	38.49	-22.89	490.50	-142.78	1.22
54	7/22/2018 21:36	7/22/2018 22:07	0:30:40	39.65	-21.06	490.74	6.76	105.09	488.19	-142.04	1.96
55	7/22/2018 22:24	7/22/2018 22:38	0:14:10	-40.50	148.40	501.91	-47.78	-137.60	504.89	-142.35	1.65
56	7/22/2018 22:39	7/22/2018 22:49	0:09:20	-46.18	-132.80	504.22	-23.95	-100.53	495.09	-140.96	3.04
57	7/22/2018 23:09	7/22/2018 23:11	0:01:21	35.74	-50.80	490.07	38.94	-46.15	490.68	-142.02	1.98
58	7/22/2018 23:11	7/22/2018 23:43	0:32:29	40.08	-44.30	490.91	0.67	85.44	488.73	-142.05	1.95
59	7/23/2018 0:41	7/23/2018 0:45	0:03:50	29.77	-81.92	489.12	39.37	-69.41	490.76	-142.09	1.91
60	7/23/2018 0:45	7/23/2018 1:16	0:30:10	40.50	-67.53	490.98	7.11	56.92	487.89	-142.03	1.97
61	7/23/2018 1:26	7/23/2018 1:47	0:21:01	-23.97	80.38	495.11	-47.19	176.36	504.90	-142.15	1.85
62	7/23/2018 2:17	7/23/2018 2:20	0:02:21	34.19	-100.74	489.86	39.81	-92.66	490.88	-142.16	1.84
63	7/23/2018 2:20	7/23/2018 2:49	0:29:19	40.92	-90.75	491.10	9.04	31.57	487.67	-141.99	2.01

Table 1 Departure (TRDS SSA - 6M16G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m^2/4kHz)	PFD Non-Compliance (dB)
64	7/23/2018 3:00	7/23/2018 3:10	0:09:01	-24.04	56.48	495.03	-45.66	87.29	504.01	-142.16	1.84
65	7/23/2018 3:11	7/23/2018 3:17	0:06:00	-48.76	97.00	505.34	-51.41	131.08	506.50	-142.39	1.61
66	7/23/2018 3:18	7/23/2018 3:22	0:03:40	-51.01	134.90	506.35	-46.62	154.12	504.59	-142.68	1.32
67	7/23/2018 3:23	7/23/2018 3:24	0:00:50	-45.17	157.95	503.99	-43.58	161.58	503.33	-143.25	0.75
68	7/23/2018 4:37	7/23/2018 4:52	0:14:39	-30.06	38.51	497.34	-51.48	106.31	506.47	-142.38	1.62
69	7/23/2018 4:53	7/23/2018 4:55	0:02:29	-50.88	112.04	506.24	-48.12	125.42	505.14	-142.78	1.22
70	7/23/2018 5:31	7/23/2018 5:53	0:22:09	45.68	-128.60	492.07	23.03	-27.48	488.09	-142.05	1.95
71	7/23/2018 7:15	7/23/2018 7:32	0:16:01	49.56	-96.29	492.86	11.30	-41.95	487.74	-142.02	1.98
72	7/23/2018 8:49	7/23/2018 9:07	0:18:20	50.69	-126.51	493.03	7.74	-63.30	487.91	-141.91	2.09
73	7/23/2018 10:18	7/23/2018 10:41	0:23:00	51.25	-176.54	493.02	7.16	-86.84	487.96	-141.88	2.12
74	7/23/2018 11:57	7/23/2018 12:14	0:17:31	51.14	-177.92	493.15	12.07	-114.39	487.85	-141.91	2.09
75	7/23/2018 12:31	7/23/2018 12:43	0:11:30	-37.55	-71.86	500.81	-51.56	-14.68	506.68	-142.34	1.66
76	7/23/2018 12:45	7/23/2018 13:02	0:17:31	-50.50	-5.18	506.24	-9.72	55.36	490.71	-141.72	2.28
77	7/23/2018 13:13	7/23/2018 13:38	0:25:41	21.52	78.52	488.05	39.61	-166.74	490.79	-141.74	2.26
78	7/23/2018 14:03	7/23/2018 14:17	0:14:00	-31.33	-103.80	498.18	-51.55	-38.50	506.59	-142.27	1.73
79	7/23/2018 14:19	7/23/2018 14:36	0:16:39	-50.33	-28.09	506.08	-11.63	29.99	491.15	-142.03	1.97
80	7/23/2018 14:47	7/23/2018 15:20	0:33:01	21.11	54.21	487.99	20.70	-169.17	488.17	-141.68	2.32
81	7/23/2018 15:42	7/23/2018 15:51	0:09:30	-41.80	-112.75	502.56	-51.61	-63.28	506.58	-142.36	1.64
82	7/23/2018 15:54	7/23/2018 16:07	0:13:10	-50.14	-50.99	505.97	-21.30	-1.67	494.14	-141.80	2.20
83	7/23/2018 16:23	7/23/2018 16:40	0:17:30	25.89	34.59	488.45	50.58	114.41	493.07	-141.93	2.07
84	7/23/2018 18:45	7/23/2018 19:00	0:15:11	-27.95	-179.28	496.76	-51.59	-110.90	506.46	-142.25	1.75
85	7/23/2018 21:19	7/23/2018 21:42	0:22:40	51.35	16.78	493.30	7.65	105.13	488.11	-141.08	2.92
86	7/23/2018 21:54	7/23/2018 22:09	0:15:10	-28.54	133.41	496.97	-51.50	-157.55	506.42	-142.27	1.73
87	7/23/2018 22:12	7/23/2018 22:28	0:16:29	-49.49	-143.57	505.60	-9.77	-88.41	490.67	-140.90	3.10
88	7/24/2018 1:04	7/24/2018 1:18	0:13:20	-33.93	91.61	499.07	-51.40	155.79	506.58	-142.28	1.72
89	7/24/2018 2:42	7/24/2018 2:52	0:10:49	-40.37	77.00	501.72	-51.30	132.94	506.46	-142.29	1.71
90	7/24/2018 2:54	7/24/2018 2:56	0:01:10	-49.60	144.06	505.80	-48.10	150.11	505.20	-143.49	0.51
91	7/24/2018 4:09	7/24/2018 4:27	0:18:20	-21.38	30.84	494.00	-51.19	110.09	506.36	-142.19	1.81
92	7/24/2018 4:29	7/24/2018 4:35	0:06:39	-49.76	119.35	505.80	-37.60	148.81	500.77	-141.72	2.28
93	7/24/2018 6:44	7/24/2018 7:01	0:17:20	50.79	-131.83	493.18	25.67	-53.19	488.43	-141.51	2.49
94	7/24/2018 7:02	7/24/2018 7:04	0:02:11	24.27	-51.87	488.27	18.06	-46.51	487.80	-141.59	2.41
95	7/24/2018 8:22	7/24/2018 8:40	0:17:50	51.50	-133.26	493.22	13.09	-66.57	487.71	-141.46	2.54
96	7/24/2018 9:03	7/24/2018 9:10	0:07:09	-48.49	0.86	505.35	-50.79	41.48	506.32	-142.20	1.80
97	7/24/2018 9:11	7/24/2018 9:29	0:17:41	-50.20	45.18	506.08	-8.27	105.01	490.39	-140.54	3.46
98	7/24/2018 9:49	7/24/2018 9:58	0:08:41	46.16	161.51	491.95	50.77	-150.37	492.91	-142.17	1.83
99	7/24/2018 11:27	7/24/2018 11:43	0:16:10	51.19	159.59	493.15	27.30	-126.65	488.70	-141.46	2.54
100	7/24/2018 12:20	7/24/2018 12:35	0:14:31	-49.23	2.01	505.72	-15.04	52.03	492.21	-140.36	3.64
101	7/24/2018 12:58	7/24/2018 13:16	0:18:20	46.53	114.62	492.15	32.15	-155.83	489.45	-141.53	2.47
102	7/24/2018 13:37	7/24/2018 14:01	0:23:50	-28.76	-105.91	497.13	-38.04	4.43	500.86	-140.27	3.73
103	7/24/2018 15:27	7/24/2018 15:41	0:14:00	-51.46	-60.45	506.51	-24.03	-3.42	495.15	-140.03	3.97
104	7/24/2018 15:55	7/24/2018 16:12	0:16:50	17.91	28.27	487.81	51.71	94.94	493.29	-141.69	2.31
105	7/24/2018 17:40	7/24/2018 18:02	0:22:30	45.50	40.00	491.90	22.37	142.16	488.23	-141.66	2.34
106	7/24/2018 18:33	7/24/2018 18:50	0:17:20	-51.58	-123.68	506.46	-22.00	-49.50	494.33	-139.95	4.05
107	7/24/2018 19:13	7/24/2018 19:27	0:14:00	41.95	8.31	491.19	46.91	82.42	492.30	-141.93	2.07
108	7/24/2018 19:32	7/24/2018 19:41	0:08:30	34.05	106.07	489.78	10.10	127.98	487.95	-141.69	2.31
109	7/24/2018 20:41	7/24/2018 21:08	0:26:59	26.66	-35.83	488.58	31.83	84.78	489.48	-141.69	2.31
110	7/24/2018 21:26	7/24/2018 21:45	0:18:20	-22.63	128.44	494.73	-50.89	-150.92	506.16	-142.15	1.85
111	7/24/2018 21:45	7/24/2018 21:59	0:13:20	-50.48	-148.12	505.99	-21.85	-97.29	494.35	-140.32	3.68
112	7/24/2018 22:13	7/24/2018 22:41	0:27:51	20.14	-65.71	488.04	35.60	56.15	490.09	-141.68	2.32
113	7/24/2018 23:03	7/24/2018 23:19	0:16:19	-27.81	109.39	496.64	-50.99	-175.68	506.37	-142.11	1.89
114	7/24/2018 23:20	7/24/2018 23:20	0:00:00	-50.46	-171.94	506.16	-50.46	-171.94	506.16	-143.97	0.03
115	7/24/2018 23:47	7/25/2018 0:22	0:34:50	19.24	-90.41	488.09	17.27	50.62	487.72	-141.41	2.59
116	7/25/2018 19:30	7/25/2018 19:46	0:15:29	-32.22	162.77	498.41	-50.32	-122.49	505.88	-141.70	2.30
117	7/25/2018 19:46	7/25/2018 19:51	0:05:00	-49.81	-119.77	505.68	-41.49	-96.42	502.16	-141.68	2.32
118	7/25/2018 19:52	7/25/2018 19:55	0:03:11	-39.27	-92.61	501.22	-31.44	-82.13	497.94	-143.40	0.60
119	7/25/2018 19:57	7/25/2018 19:58	0:01:40	-27.41	-77.84	496.34	-22.76	-73.45	494.60	-143.19	0.81
120	7/25/2018 20:20	7/25/2018 20:44	0:23:59	39.52	-19.22	490.75	26.33	91.27	488.69	-140.62	3.38
121	7/25/2018 21:05	7/25/2018 21:20	0:15:11	-32.72	139.41	498.60	-50.45	-147.23	505.97	-141.71	2.29
122	7/25/2018 21:21	7/25/2018 21:25	0:04:40	-49.41	-141.81	505.54	-41.43	-120.27	502.20	-141.68	2.32
123	7/25/2018 21:27	7/25/2018 21:34	0:07:01	-38.44	-115.27	500.93	-19.83	-94.88	493.66	-142.78	1.22
124	7/25/2018 21:51	7/25/2018 22:18	0:26:41	31.34	-54.19	489.35	28.09	65.55	488.87	-140.89	3.11
125	7/25/2018 22:41	7/25/2018 22:54	0:13:39	-36.55	120.38	500.20	-50.43	-171.05	506.14	-141.72	2.28
126	7/25/2018 23:25	7/25/2018 23:59	0:34:11	30.07	-79.55	489.21	7.78	58.49	487.79	-141.02	2.98

Table 1 Departure (TRDS SSA - 6M16G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non-Compliance (dB)
127	7/26/2018 0:19	7/26/2018 0:28	0:08:51	-46.38	115.24	504.38	-50.55	164.21	506.25	-141.71	2.29
128	7/26/2018 0:59	7/26/2018 1:13	0:14:30	28.79	-104.87	489.09	51.68	-39.15	493.27	-141.76	2.24
129	7/26/2018 1:46	7/26/2018 2:03	0:16:10	-29.84	64.28	497.23	-50.53	140.39	506.16	-141.71	2.29
130	7/26/2018 2:04	7/26/2018 2:05	0:00:31	-48.46	150.17	505.34	-47.75	152.68	505.06	-143.30	0.70
131	7/26/2018 2:46	7/26/2018 2:52	0:05:11	51.75	-70.82	493.30	48.43	-41.66	492.49	-142.12	1.88
132	7/26/2018 2:52	7/26/2018 3:02	0:09:59	47.70	-39.15	492.33	24.66	-2.97	488.14	-141.30	2.70
133	7/26/2018 3:18	7/26/2018 3:29	0:10:40	-23.02	33.65	494.54	-47.78	71.58	504.84	-142.37	1.63
134	7/26/2018 3:33	7/26/2018 3:37	0:04:29	-51.37	90.50	506.36	-50.51	116.58	506.10	-141.75	2.25
135	7/26/2018 3:39	7/26/2018 3:39	0:00:10	-48.20	127.19	505.18	-47.96	128.03	505.08	-143.67	0.33
136	7/26/2018 4:58	7/26/2018 5:09	0:11:00	-35.98	23.77	499.76	-51.79	76.44	506.53	-142.09	1.91
137	7/26/2018 5:15	7/26/2018 5:17	0:02:59	-46.34	109.03	504.37	-40.43	121.73	501.90	-141.72	2.28
138	7/26/2018 5:18	7/26/2018 5:26	0:07:40	-38.92	124.21	501.27	-18.51	146.45	493.42	-140.04	3.96
139	7/26/2018 5:51	7/26/2018 6:08	0:16:39	48.52	-141.75	492.72	33.08	-59.74	489.46	-141.26	2.74
140	7/26/2018 6:31	7/26/2018 6:46	0:14:20	-34.80	-1.75	499.37	-50.47	68.95	506.10	-141.77	2.23
141	7/26/2018 6:48	7/26/2018 7:00	0:12:31	-48.13	79.53	505.16	-18.44	122.55	493.35	-140.00	4.00
142	7/26/2018 8:15	7/26/2018 8:20	0:05:39	-50.75	13.37	506.26	-50.29	46.05	506.11	-141.77	2.23
143	7/26/2018 8:22	7/26/2018 8:35	0:12:59	-48.09	55.70	505.21	-16.91	99.83	492.83	-139.95	4.05
144	7/26/2018 10:00	7/26/2018 10:10	0:10:40	-41.72	47.56	502.53	-13.41	78.61	491.76	-139.41	4.59
145	7/26/2018 10:37	7/26/2018 10:55	0:17:11	51.56	165.26	493.23	22.42	-120.71	488.14	-141.24	2.76
146	7/26/2018 12:11	7/26/2018 13:03	0:52:11	51.25	137.57	493.19	-50.22	-25.41	506.03	-140.52	3.48
147	7/26/2018 13:05	7/26/2018 13:10	0:05:19	-48.22	-16.63	505.21	-37.86	6.07	500.80	-141.05	2.95
148	7/26/2018 13:12	7/26/2018 13:24	0:11:10	-32.47	13.18	498.54	-0.30	40.16	488.80	-139.74	4.26
149	7/26/2018 13:25	7/26/2018 13:26	0:00:11	5.21	44.05	488.13	5.71	44.41	488.09	-143.18	0.82
150	7/26/2018 13:27	7/26/2018 14:12	0:44:40	11.69	48.76	487.78	-4.42	-148.47	489.60	-140.55	3.45
151	7/26/2018 14:15	7/26/2018 14:37	0:22:09	-13.87	-141.56	491.89	-50.19	-49.23	505.97	-141.23	2.77
152	7/26/2018 14:39	7/26/2018 14:58	0:19:10	-48.19	-40.46	505.14	1.28	17.32	488.55	-140.04	3.96
153	7/26/2018 15:00	7/26/2018 15:14	0:14:30	5.79	20.51	488.06	44.36	62.58	491.69	-141.62	2.38
154	7/26/2018 15:55	7/26/2018 16:12	0:16:41	-29.99	-151.14	497.56	-50.00	-72.14	505.88	-141.71	2.29
155	7/26/2018 16:50	7/26/2018 17:06	0:15:51	47.57	47.26	492.36	36.82	127.70	490.21	-141.72	2.28
156	7/26/2018 17:28	7/26/2018 17:37	0:08:51	-24.59	179.49	495.40	-45.70	-150.09	504.04	-142.49	1.51
157	7/26/2018 18:45	7/26/2018 19:04	0:19:09	26.75	115.49	488.68	-29.24	160.14	497.19	-140.60	3.40
158	7/26/2018 19:52	7/26/2018 20:00	0:07:40	31.81	-29.01	489.35	48.14	1.27	492.59	-141.72	2.28
159	7/26/2018 20:22	7/26/2018 20:49	0:27:01	17.18	99.97	487.94	-50.91	-177.14	506.15	-140.64	3.36
160	7/26/2018 21:02	7/26/2018 21:17	0:14:30	-35.94	-110.98	499.87	5.59	-75.45	488.14	-139.98	4.02
161	7/26/2018 21:18	7/26/2018 21:19	0:00:50	8.59	-73.29	487.94	11.08	-71.47	487.85	-142.43	1.57
162	7/26/2018 21:22	7/26/2018 21:50	0:28:39	18.92	-65.36	487.99	34.57	58.86	489.88	-141.58	2.42
163	7/26/2018 22:07	7/26/2018 22:21	0:14:20	-14.73	99.33	492.04	-48.89	148.17	505.43	-140.62	3.38
164	7/26/2018 22:50	7/26/2018 22:52	0:01:31	1.65	-102.19	488.72	6.16	-99.00	488.25	-141.63	2.37
165	7/26/2018 22:52	7/26/2018 23:00	0:07:01	9.16	-96.84	488.06	29.28	-79.71	489.11	-141.13	2.87
166	7/26/2018 23:02	7/26/2018 23:27	0:25:09	34.93	-73.10	489.99	28.37	41.99	488.71	-141.39	2.61
167	7/27/2018 0:27	7/27/2018 0:42	0:14:10	10.72	-119.65	488.09	46.71	-75.15	492.30	-141.11	2.89
168	7/27/2018 1:21	7/27/2018 1:32	0:10:31	-30.84	66.06	497.62	-50.84	110.47	506.17	-142.49	1.51
169	7/27/2018 2:06	7/27/2018 2:26	0:20:31	22.48	-134.19	488.43	48.60	-41.62	492.53	-141.60	2.40
170	7/27/2018 2:27	7/27/2018 2:35	0:08:30	47.39	-37.44	492.25	28.24	-5.78	488.57	-140.61	3.39
171	7/27/2018 2:45	7/27/2018 3:00	0:14:51	-1.01	17.49	488.58	-41.77	57.58	502.23	-140.28	3.72
172	7/27/2018 3:02	7/27/2018 3:11	0:08:41	-45.97	66.88	504.04	-50.89	114.69	506.24	-141.30	2.70
173	7/27/2018 3:45	7/27/2018 4:01	0:15:19	36.76	-142.49	490.37	48.34	-64.59	492.48	-141.72	2.28
174	7/27/2018 4:01	7/27/2018 4:04	0:02:10	47.35	-61.27	492.26	43.48	-51.40	491.40	-141.39	2.61
175	7/27/2018 4:22	7/27/2018 4:49	0:26:20	-8.10	-1.43	490.02	-47.36	106.72	504.78	-140.12	3.88
176	7/27/2018 7:04	7/27/2018 7:09	0:05:30	51.71	-143.28	493.29	48.26	-112.24	492.49	-142.32	1.68
177	7/27/2018 7:12	7/27/2018 7:27	0:15:40	44.04	-100.52	491.56	1.77	-56.33	488.39	-140.75	3.25
178	7/27/2018 8:04	7/27/2018 8:07	0:02:21	-31.69	86.64	498.30	-25.37	93.20	495.80	-141.36	2.64
179	7/27/2018 8:08	7/27/2018 8:10	0:02:19	-22.56	95.77	494.76	-15.82	101.38	492.50	-143.05	0.95
180	7/27/2018 8:46	7/27/2018 9:05	0:19:30	44.94	-126.55	491.63	-8.33	-73.13	490.28	-140.96	3.04
181	7/27/2018 10:12	7/27/2018 10:18	0:05:21	51.63	167.16	493.25	48.87	-162.45	492.63	-142.22	1.78
182	7/27/2018 10:21	7/27/2018 10:46	0:25:09	43.94	-148.21	491.56	-26.28	-82.40	496.11	-140.09	3.91
183	7/27/2018 11:46	7/27/2018 11:52	0:06:29	51.36	139.46	493.22	48.15	176.27	492.52	-142.16	1.84
184	7/27/2018 11:53	7/27/2018 11:54	0:01:40	47.41	178.76	492.36	44.53	-173.50	491.74	-141.93	2.07
185	7/27/2018 11:57	7/27/2018 12:45	0:47:21	38.88	-162.82	490.59	-38.54	5.71	501.10	-140.06	3.94
186	7/27/2018 13:25	7/27/2018 13:27	0:01:59	50.47	141.82	493.04	48.12	152.44	492.53	-142.14	1.86
187	7/27/2018 13:27	7/27/2018 13:33	0:05:50	47.37	154.92	492.37	35.20	178.50	489.94	-141.62	2.38
188	7/27/2018 13:50	7/27/2018 13:58	0:07:01	-15.46	-139.65	492.34	-34.79	-120.84	499.51	-139.96	4.04
189	7/27/2018 14:33	7/27/2018 14:56	0:23:10	1.90	18.44	488.48	51.78	102.60	493.32	-140.30	3.70

Table 1 Departure (TRDS SSA - 6M16G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non-Compliance (dB)
190	7/27/2018 14:59	7/27/2018 15:01	0:02:30	50.87	115.20	493.13	48.09	128.61	492.53	-142.16	1.84
191	7/27/2018 15:02	7/27/2018 15:16	0:14:39	47.34	131.09	492.37	10.40	177.72	487.88	-141.49	2.51
192	7/27/2018 15:32	7/27/2018 15:53	0:21:29	-35.27	-144.18	499.71	-37.64	-40.84	500.65	-140.05	3.95
193	7/27/2018 16:17	7/27/2018 16:27	0:10:29	29.57	17.10	488.97	50.47	60.43	493.00	-141.47	2.53
194	7/27/2018 16:33	7/27/2018 16:35	0:01:51	50.27	95.11	492.96	48.05	104.78	492.48	-142.18	1.82
195	7/27/2018 16:36	7/27/2018 16:55	0:18:49	47.30	107.26	492.32	-2.19	162.73	489.11	-141.18	2.82
196	7/27/2018 17:23	7/27/2018 17:37	0:13:21	-46.50	-82.37	504.33	-12.93	-40.11	491.46	-139.77	4.23
197	7/27/2018 18:09	7/27/2018 18:10	0:00:20	48.71	78.42	492.66	48.25	80.12	492.56	-143.21	0.79
198	7/27/2018 18:10	7/27/2018 18:36	0:25:21	47.26	83.43	492.34	-21.47	153.43	494.26	-140.85	3.15
199	7/27/2018 18:55	7/27/2018 19:13	0:17:50	-50.08	-119.77	505.77	-7.39	-59.99	490.05	-139.38	4.62
200	7/27/2018 19:30	7/27/2018 19:44	0:13:21	41.55	-14.34	491.18	48.21	56.30	492.63	-141.80	2.20
201	7/27/2018 19:46	7/27/2018 20:00	0:13:40	43.64	68.71	491.66	7.18	108.19	488.05	-141.20	2.80
202	7/27/2018 20:05	7/27/2018 20:39	0:34:00	-7.35	118.48	490.16	-31.16	-104.40	497.90	-140.04	3.96
203	7/27/2018 20:40	7/27/2018 20:48	0:07:10	-27.58	-100.59	496.48	-6.81	-83.53	490.01	-139.73	4.27
204	7/27/2018 20:48	7/27/2018 20:49	0:00:50	-5.31	-82.46	489.70	-2.81	-80.69	489.23	-142.02	1.98
205	7/27/2018 20:51	7/27/2018 20:51	0:00:19	3.21	-76.45	488.38	4.22	-75.74	488.27	-142.90	1.10
206	7/27/2018 21:20	7/27/2018 21:37	0:16:30	44.24	43.43	491.80	-0.41	89.61	488.79	-141.37	2.63
207	7/27/2018 21:49	7/27/2018 22:04	0:15:10	-33.85	118.19	499.02	-50.02	-167.41	505.95	-141.42	2.58
208	7/27/2018 22:24	7/27/2018 22:24	0:00:00	0.78	-102.13	488.84	0.78	-102.13	488.84	-143.89	0.11
209	7/27/2018 22:25	7/27/2018 22:32	0:06:11	3.79	-100.00	488.48	21.98	-86.03	488.31	-139.94	4.06
210	7/27/2018 22:34	7/27/2018 22:52	0:18:29	28.04	-80.32	488.95	48.61	6.93	492.60	-141.46	2.54
211	7/27/2018 22:53	7/27/2018 23:00	0:06:20	47.14	11.92	492.27	33.55	36.86	489.51	-141.53	2.47
212	7/27/2018 23:20	7/27/2018 23:39	0:18:10	-26.83	86.50	496.10	-49.64	170.57	505.87	-141.53	2.47
213	7/28/2018 0:02	7/28/2018 0:10	0:07:31	11.34	-118.50	488.08	32.54	-99.34	489.66	-139.88	4.12
214	7/28/2018 0:56	7/28/2018 1:14	0:18:20	-29.62	65.41	497.10	-48.12	152.79	505.20	-141.50	2.50
215	7/28/2018 1:41	7/28/2018 2:00	0:19:39	23.07	-132.98	488.49	49.39	-44.21	492.71	-141.45	2.55
216	7/28/2018 2:02	7/28/2018 2:15	0:13:19	46.52	-34.16	492.05	12.85	8.20	487.45	-141.43	2.57
217	7/28/2018 2:19	7/28/2018 2:40	0:20:11	1.37	16.49	488.21	-49.45	79.35	505.52	-140.24	3.76
218	7/28/2018 3:20	7/28/2018 3:35	0:14:50	37.27	-141.09	490.47	48.73	-65.40	492.56	-141.61	2.39
219	7/28/2018 3:36	7/28/2018 3:40	0:04:29	47.54	-61.20	492.29	38.69	-42.07	490.38	-141.55	2.45
220	7/28/2018 3:54	7/28/2018 4:15	0:20:50	1.30	-7.41	488.27	-50.19	59.13	505.81	-140.30	3.70
221	7/28/2018 4:16	7/28/2018 4:21	0:04:31	-51.56	70.47	506.40	-50.09	96.42	505.88	-141.48	2.52
222	7/28/2018 4:22	7/28/2018 4:30	0:08:00	-49.16	100.88	505.51	-33.00	133.68	498.83	-140.87	3.13
223	7/28/2018 4:32	7/28/2018 4:35	0:03:21	-28.14	139.06	496.89	-18.76	147.61	493.52	-140.92	3.08
224	7/28/2018 5:08	7/28/2018 5:09	0:01:20	50.24	-96.34	492.99	48.70	-89.22	492.63	-141.87	2.13
225	7/28/2018 5:10	7/28/2018 5:23	0:13:10	47.76	-85.85	492.42	15.65	-41.86	487.62	-141.40	2.60
226	7/28/2018 5:41	7/28/2018 5:50	0:09:20	-35.42	0.43	499.59	-51.25	42.80	506.35	-142.41	1.59
227	7/28/2018 5:52	7/28/2018 5:55	0:03:00	-51.78	55.46	506.58	-50.07	72.60	505.92	-141.51	2.49
228	7/28/2018 5:56	7/28/2018 5:59	0:02:40	-49.13	77.05	505.55	-44.98	89.97	503.84	-142.33	1.67
229	7/28/2018 5:59	7/28/2018 6:04	0:04:50	-44.03	92.15	503.44	-32.94	109.80	498.79	-141.32	2.68
230	7/28/2018 6:06	7/28/2018 6:15	0:08:59	-28.53	114.71	497.02	-2.36	135.90	489.30	-141.37	2.63
231	7/28/2018 6:39	7/28/2018 6:44	0:05:10	51.75	-141.36	493.30	48.44	-112.19	492.53	-141.72	2.28
232	7/28/2018 6:44	7/28/2018 7:00	0:15:59	47.72	-109.68	492.36	7.15	-59.47	487.84	-141.40	2.60
233	7/28/2018 7:18	7/28/2018 7:30	0:11:39	-42.02	-13.13	502.52	-50.04	48.78	506.00	-141.52	2.48
234	7/28/2018 7:31	7/28/2018 7:33	0:02:30	-48.89	54.09	505.53	-44.93	66.12	503.88	-142.23	1.77
235	7/28/2018 7:34	7/28/2018 7:38	0:04:31	-43.66	69.01	503.34	-33.31	85.41	498.97	-141.61	2.39
236	7/28/2018 7:40	7/28/2018 7:42	0:02:21	-29.36	89.88	497.36	-22.91	96.14	494.89	-141.17	2.83
237	7/28/2018 8:08	7/28/2018 8:37	0:29:20	47.51	168.20	492.25	-1.45	-77.34	488.86	-141.39	2.61
238	7/28/2018 9:10	7/28/2018 9:13	0:02:30	-39.33	53.07	501.51	-33.24	61.54	498.94	-141.87	2.13
239	7/28/2018 9:14	7/28/2018 9:25	0:11:19	-30.19	65.05	497.69	2.81	91.63	488.45	-140.37	3.63
240	7/28/2018 9:47	7/28/2018 10:02	0:15:29	51.69	169.07	493.25	25.94	-122.58	488.45	-141.41	2.59
241	7/28/2018 11:23	7/28/2018 11:53	0:30:39	51.76	152.14	493.30	-22.26	-109.38	494.58	-141.29	2.71
242	7/28/2018 12:00	7/28/2018 12:13	0:13:09	-38.86	-90.43	501.23	-49.97	-22.68	505.92	-141.30	2.70
243	7/28/2018 12:13	7/28/2018 12:16	0:02:29	-49.21	-19.12	505.61	-45.40	-6.90	504.02	-141.87	2.13
244	7/28/2018 12:18	7/28/2018 12:32	0:14:20	-41.79	0.88	502.49	-2.56	39.94	489.19	-140.35	3.65
245	7/28/2018 12:52	7/28/2018 13:11	0:18:51	48.58	100.06	492.60	27.19	-171.71	488.70	-141.14	2.86
246	7/28/2018 13:43	7/28/2018 13:50	0:07:01	-51.77	-68.49	506.60	-45.36	-30.74	503.94	-141.29	2.71
247	7/28/2018 13:52	7/28/2018 14:05	0:13:19	-41.74	-22.98	502.41	-5.49	13.91	489.72	-140.55	3.45
248	7/28/2018 14:25	7/28/2018 14:48	0:23:29	46.87	70.43	492.24	17.16	173.22	487.87	-140.99	3.01
249	7/28/2018 15:07	7/28/2018 15:25	0:17:41	-35.79	-142.80	499.90	-45.31	-54.58	503.91	-141.37	2.63
250	7/28/2018 15:26	7/28/2018 15:27	0:01:01	-41.69	-46.83	502.37	-39.48	-43.00	501.43	-141.65	2.35
251	7/28/2018 16:00	7/28/2018 16:14	0:14:00	47.44	48.22	492.34	41.24	122.03	491.04	-141.21	2.79
252	7/28/2018 16:52	7/28/2018 16:59	0:06:31	-51.80	-114.14	506.51	-45.57	-79.17	503.93	-141.44	2.56

Table 1 Departure (TRDS SSA - 6M16G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m^2/4kHz)	PFD Non-Compliance (dB)
253	7/28/2018 17:00	7/28/2018 17:09	0:08:40	-41.99	-71.35	502.42	-19.62	-44.74	493.54	-140.31	3.69
254	7/28/2018 17:35	7/28/2018 17:48	0:12:31	48.90	29.45	492.70	42.25	96.19	491.28	-141.15	2.85
255	7/28/2018 18:22	7/28/2018 18:30	0:07:51	-48.94	-162.37	505.32	-49.86	-117.95	505.67	-141.51	2.49
256	7/28/2018 18:30	7/28/2018 18:33	0:02:31	-49.29	-115.28	505.44	-45.52	-103.01	503.87	-141.69	2.31
257	7/28/2018 18:35	7/28/2018 18:46	0:11:20	-42.28	-95.87	502.50	-12.23	-62.86	491.26	-140.24	3.76
258	7/28/2018 19:12	7/28/2018 19:30	0:18:19	51.18	18.46	493.27	21.28	97.93	488.15	-140.63	3.37
259	7/28/2018 19:55	7/28/2018 20:04	0:08:59	-47.32	167.94	504.65	-49.83	-141.76	505.68	-141.58	2.42
260	7/28/2018 20:05	7/28/2018 20:08	0:02:41	-49.26	-139.10	505.45	-45.17	-126.10	503.75	-141.59	2.41
261	7/28/2018 20:09	7/28/2018 20:24	0:14:41	-42.23	-119.72	502.51	-2.18	-79.56	489.12	-140.08	3.92
262	7/28/2018 20:52	7/28/2018 21:12	0:19:49	49.02	29.95	492.84	-1.55	91.09	488.95	-140.78	3.22
263	7/28/2018 21:30	7/28/2018 21:39	0:09:09	-47.09	143.30	504.64	-49.80	-165.59	505.85	-141.64	2.36
264	7/28/2018 21:59	7/28/2018 22:03	0:04:19	-0.60	-102.41	489.05	12.39	-93.08	487.98	-141.59	2.41
265	7/28/2018 22:06	7/28/2018 22:31	0:25:30	21.15	-86.07	488.25	40.28	27.88	490.79	-140.42	3.58
266	7/28/2018 23:00	7/28/2018 23:13	0:12:50	-40.02	103.77	501.58	-49.78	170.59	505.92	-141.69	2.31
267	7/28/2018 23:39	7/29/2018 0:08	0:28:50	17.37	-113.17	488.13	35.49	11.11	489.74	-139.89	4.11
268	7/29/2018 1:25	7/29/2018 1:39	0:14:29	46.34	-98.79	492.24	41.63	-22.42	490.96	-141.67	2.33
269	7/29/2018 2:09	7/29/2018 2:22	0:13:10	-39.76	55.43	501.32	-49.54	123.85	505.70	-141.90	2.10
270	7/29/2018 2:22	7/29/2018 2:25	0:02:41	-48.93	126.48	505.46	-44.68	139.27	503.74	-140.65	3.35
271	7/29/2018 2:26	7/29/2018 2:28	0:02:10	-42.37	144.20	502.78	-37.51	152.35	500.76	-141.06	2.94
272	7/29/2018 2:58	7/29/2018 3:28	0:29:31	44.90	-126.44	491.95	2.67	-7.69	488.08	-141.49	2.51
273	7/29/2018 3:43	7/29/2018 3:56	0:13:11	-39.82	31.57	501.35	-49.51	100.03	505.64	-141.99	2.01
274	7/29/2018 4:38	7/29/2018 4:55	0:17:41	51.27	-124.41	493.29	22.75	-47.09	488.03	-141.46	2.54
275	7/29/2018 5:18	7/29/2018 5:25	0:06:50	-41.70	10.92	502.26	-51.37	44.70	506.38	-142.18	1.82
276	7/29/2018 6:14	7/29/2018 6:25	0:11:50	51.79	-138.45	493.31	33.97	-82.74	489.56	-141.35	2.65
277	7/29/2018 6:54	7/29/2018 7:05	0:10:31	-45.37	-5.16	503.95	-49.45	52.39	505.75	-142.05	1.95
278	7/29/2018 7:05	7/29/2018 7:08	0:03:00	-48.83	55.01	505.50	-43.90	69.18	503.44	-140.02	3.98
279	7/29/2018 7:09	7/29/2018 7:13	0:03:50	-42.21	72.64	502.73	-33.19	86.23	498.92	-141.07	2.93
280	7/29/2018 7:14	7/29/2018 7:14	0:00:30	-31.02	88.76	498.03	-29.69	90.22	497.49	-142.47	1.53
281	7/29/2018 7:43	7/29/2018 8:08	0:25:00	47.83	169.92	492.32	10.93	-85.49	487.64	-141.50	2.50
282	7/29/2018 8:34	7/29/2018 8:43	0:08:21	-51.70	1.94	506.63	-43.52	46.04	503.28	-140.44	3.56
283	7/29/2018 8:43	7/29/2018 8:48	0:04:01	-42.16	48.79	502.70	-32.70	62.87	498.72	-140.91	3.09
284	7/29/2018 8:48	7/29/2018 8:52	0:04:10	-31.39	64.39	498.18	-19.85	75.52	493.81	-141.91	2.09
285	7/29/2018 9:22	7/29/2018 9:47	0:25:20	51.77	171.98	493.26	-4.16	-98.70	489.43	-141.60	2.40
286	7/29/2018 10:05	7/29/2018 10:17	0:12:20	-48.38	-44.04	505.32	-43.47	22.19	503.29	-140.70	3.30
287	7/29/2018 10:18	7/29/2018 10:29	0:10:51	-42.45	24.26	502.86	-13.95	56.29	491.94	-140.82	3.18
288	7/29/2018 10:56	7/29/2018 11:37	0:40:31	51.77	148.16	493.30	-44.59	-78.91	503.66	-141.07	2.93
289	7/29/2018 11:55	7/29/2018 12:07	0:12:00	-36.35	10.29	500.17	-2.43	40.72	489.17	-140.57	3.43
290	7/29/2018 12:21	7/29/2018 12:34	0:13:00	37.34	75.97	490.30	50.68	141.81	493.07	-141.37	2.63
291	7/29/2018 12:36	7/29/2018 13:19	0:42:50	48.24	153.41	492.54	-51.76	-62.64	506.58	-141.11	2.89
292	7/29/2018 13:53	7/29/2018 13:58	0:04:49	31.95	45.06	489.37	43.31	62.33	491.49	-140.03	3.97
293	7/29/2018 14:43	7/29/2018 14:58	0:14:20	-40.21	-135.45	501.76	-47.72	-60.77	504.92	-142.06	1.94
294	7/29/2018 14:58	7/29/2018 15:13	0:15:10	-46.95	-58.34	504.59	-8.28	-11.36	490.33	-140.67	3.33
295	7/29/2018 15:17	7/29/2018 15:26	0:09:09	2.24	-3.91	488.44	28.91	17.76	488.89	-139.75	4.25
296	7/29/2018 15:27	7/29/2018 15:59	0:31:39	32.45	21.69	489.43	12.54	153.54	487.75	-139.98	4.02
297	7/29/2018 16:14	7/29/2018 16:19	0:04:41	-31.29	-171.62	497.95	-42.42	-155.39	502.62	-143.92	0.08
298	7/29/2018 16:25	7/29/2018 16:32	0:07:01	-51.28	-123.93	503.85	-47.70	-84.64	491.56	-140.87	3.13
299	7/29/2018 16:32	7/29/2018 16:48	0:15:31	-46.92	-82.21	490.23	-6.91	-34.30	438.82	-140.27	3.73
300	7/29/2018 16:50	7/29/2018 16:59	0:09:20	-0.82	-29.98	433.22	27.00	-8.07	417.97	-139.10	4.90
301	7/29/2018 17:01	7/29/2018 17:39	0:37:31	32.90	-1.65	417.10	-7.27	143.97	410.71	-139.22	4.78
302	7/29/2018 17:42	7/29/2018 18:23	0:41:10	-14.83	149.60	410.65	-0.70	-53.44	402.35	-138.88	5.12
303	7/29/2018 18:25	7/29/2018 18:33	0:08:39	5.95	-48.73	403.27	31.29	-27.07	411.49	-138.76	5.24
304	7/29/2018 18:34	7/29/2018 18:38	0:03:30	33.06	-25.00	412.29	41.54	-12.50	416.39	-138.54	5.46
305	7/29/2018 18:40	7/29/2018 18:48	0:08:20	45.86	-3.07	418.65	51.06	43.71	423.09	-140.25	3.75
306	7/29/2018 19:13	7/29/2018 19:54	0:40:20	-12.45	124.24	410.67	-5.68	-80.50	402.08	-138.91	5.09
307	7/29/2018 19:57	7/29/2018 20:06	0:09:31	4.04	-73.64	402.99	31.85	-49.97	411.79	-139.06	4.94
308	7/29/2018 20:07	7/29/2018 20:14	0:06:40	33.17	-48.40	412.39	47.59	-21.56	419.66	-138.66	5.34
309	7/29/2018 20:18	7/29/2018 20:52	0:33:11	51.79	6.58	422.72	-29.04	115.16	411.72	-139.46	4.54
310	7/29/2018 20:54	7/29/2018 21:11	0:16:40	-34.80	121.86	412.42	-47.09	-153.41	410.74	-139.69	4.31
311	7/29/2018 21:31	7/29/2018 21:39	0:08:00	8.75	-93.80	403.97	31.95	-73.38	411.84	-139.28	4.72
312	7/29/2018 21:40	7/29/2018 22:01	0:20:59	33.71	-71.28	412.62	39.33	31.54	420.38	-138.94	5.06
313	7/29/2018 22:04	7/29/2018 22:25	0:21:49	32.26	41.20	418.28	-31.87	94.73	412.03	-139.91	4.09
314	7/29/2018 22:27	7/29/2018 22:44	0:16:50	-37.00	101.30	412.70	-45.28	-171.99	410.15	-139.86	4.14
315	7/29/2018 23:10	7/29/2018 23:12	0:02:10	26.58	-102.64	407.67	32.50	-96.28	407.56	-139.65	4.35

Table 1 Departure (TRDS SSA - 6M16G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non- Compliance (dB)
316	7/29/2018 23:12	7/29/2018 23:22	0:09:40	33.82	-94.69	407.52	51.20	-50.75	404.04	-138.95	5.05
317	7/30/2018 0:09	7/30/2018 0:16	0:06:50	-51.73	124.99	410.45	-45.88	163.00	414.24	-140.06	3.94
318	7/30/2018 0:36	7/30/2018 0:44	0:08:19	8.20	-141.22	408.26	32.34	-119.96	407.61	-139.59	4.41
319	7/30/2018 0:45	7/30/2018 1:05	0:20:20	34.09	-117.83	407.56	40.32	-17.10	392.19	-139.13	4.87
320	7/30/2018 1:21	7/30/2018 1:45	0:23:29	-6.24	25.64	383.28	-50.80	119.95	412.79	-139.37	4.63
321	7/30/2018 2:21	7/30/2018 2:53	0:31:30	43.32	-126.59	406.92	-2.97	-0.17	382.75	-138.27	5.73
322	7/30/2018 3:04	7/30/2018 3:21	0:17:09	-36.26	29.82	396.29	-45.20	117.80	414.05	-140.05	3.95
323	7/30/2018 4:38	7/30/2018 4:55	0:16:51	-38.95	10.31	398.12	-43.70	97.75	414.05	-140.16	3.84
324	7/30/2018 4:55	7/30/2018 4:56	0:01:11	-42.68	99.88	414.04	-40.12	104.56	413.94	-139.67	4.33
325	7/30/2018 6:12	7/30/2018 6:27	0:15:01	-43.25	-5.42	401.30	-43.49	74.72	414.08	-139.87	4.13
326	7/30/2018 6:28	7/30/2018 6:36	0:08:30	-42.45	76.83	414.06	-20.29	103.81	411.26	-138.86	5.14
327	7/30/2018 7:00	7/30/2018 7:30	0:30:30	45.85	168.89	406.40	-3.95	-69.92	383.14	-138.67	5.33
328	7/30/2018 7:49	7/30/2018 7:59	0:10:40	-50.05	-7.79	407.34	-43.61	50.98	414.02	-140.25	3.75
329	7/30/2018 8:00	7/30/2018 8:09	0:09:20	-42.58	53.10	414.00	-18.02	82.22	410.85	-138.92	5.08
330	7/30/2018 8:37	7/30/2018 8:54	0:16:21	51.60	173.12	403.63	23.53	-114.26	385.31	-138.99	5.01
331	7/30/2018 9:33	7/30/2018 9:50	0:17:00	-40.91	32.75	413.95	7.60	77.45	408.01	-138.52	5.48
332	7/30/2018 10:11	7/30/2018 10:36	0:25:30	51.79	156.27	402.84	-7.67	-114.23	383.97	-138.42	5.58
333	7/30/2018 10:45	7/30/2018 11:01	0:15:39	-33.33	-91.38	394.64	-49.31	-12.78	413.24	-139.61	4.39
334	7/30/2018 11:40	7/30/2018 11:57	0:17:10	50.28	114.76	405.17	26.75	-164.27	386.57	-138.98	5.02
335	7/30/2018 12:09	7/30/2018 12:36	0:27:49	-7.99	-137.48	384.05	-43.65	-19.55	413.74	-139.43	4.57
336	7/30/2018 12:55	7/30/2018 13:19	0:24:10	7.74	30.58	407.94	49.73	130.02	399.40	-138.54	5.46
337	7/30/2018 13:47	7/30/2018 14:09	0:22:20	-24.73	-147.48	389.96	-43.44	-42.58	413.68	-139.40	4.60
338	7/30/2018 14:09	7/30/2018 14:26	0:17:00	-42.40	-40.47	413.66	5.52	5.51	408.04	-138.14	5.86
339	7/30/2018 14:29	7/30/2018 15:09	0:40:31	12.10	10.31	407.75	5.22	166.18	382.63	-138.69	5.31
340	7/30/2018 15:11	7/30/2018 15:35	0:23:49	-1.46	170.90	382.97	-51.54	-98.52	411.44	-139.38	4.62
341	7/30/2018 15:37	7/30/2018 15:41	0:04:10	-50.08	-86.97	412.63	-43.56	-66.32	413.57	-139.66	4.34
342	7/30/2018 15:42	7/30/2018 16:10	0:28:39	-42.53	-64.20	413.56	38.39	13.30	407.51	-138.39	5.61
343	7/30/2018 16:13	7/30/2018 16:43	0:30:41	43.23	21.87	407.15	-0.12	146.46	332.41	-138.37	5.63
344	7/30/2018 16:46	7/30/2018 17:17	0:31:59	-6.85	151.24	318.89	-31.22	-70.80	180.63	-131.71	12.29
345	7/30/2018 17:36	7/30/2018 18:06	0:29:40	27.27	-23.19	282.13	22.01	106.79	370.42	-136.95	7.05
346	7/30/2018 18:17	7/30/2018 18:48	0:30:39	-12.64	132.62	307.07	-29.67	-91.98	181.13	-131.90	12.10
347	7/30/2018 19:15	7/30/2018 19:37	0:22:11	47.39	-13.37	345.46	18.95	86.51	365.99	-137.96	6.04
348	7/30/2018 19:47	7/30/2018 20:04	0:17:01	-10.72	108.29	311.35	-51.13	172.92	208.83	-135.00	9.00
349	7/30/2018 20:06	7/30/2018 20:26	0:20:00	-51.79	-173.44	199.51	-5.19	-94.34	207.82	-131.85	12.15
350	7/30/2018 20:28	7/30/2018 20:45	0:16:29	2.84	-88.64	222.46	47.45	-36.04	345.17	-135.17	8.83
351	7/30/2018 20:57	7/30/2018 21:17	0:19:30	43.83	32.68	387.98	-11.31	85.85	285.78	-137.25	6.75
352	7/30/2018 21:24	7/30/2018 21:53	0:29:31	-32.17	104.68	217.10	-35.73	-144.96	2.29	-97.35	46.65

Max. Exceedance: 46.65 dB

Table 2 Departure (TRDS SMA - 6M16G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non-Compliance (dB)
1	7/20/2018 17:51	7/20/2018 18:23	0:32:20	45.17	59.52	483.72	-6.41	-175.96	483.67	-141.99	2.01
2	7/20/2018 19:33	7/20/2018 19:58	0:24:41	51.03	84.32	486.44	-9.99	162.73	484.34	-141.98	2.02
3	7/20/2018 20:29	7/20/2018 20:51	0:22:09	-35.97	-68.00	488.83	27.98	-14.07	479.31	-141.90	2.10
4	7/20/2018 21:20	7/20/2018 21:32	0:11:50	24.98	112.33	482.79	-10.09	138.89	484.39	-141.99	2.01
5	7/20/2018 23:20	7/20/2018 23:35	0:14:41	-45.52	156.72	495.26	-42.31	-126.05	491.79	-142.16	1.84
6	7/21/2018 0:04	7/21/2018 0:39	0:34:41	38.40	-49.05	481.87	-3.79	86.53	483.14	-141.98	2.02
7	7/21/2018 1:03	7/21/2018 1:12	0:09:20	-51.03	-179.37	496.27	-34.48	-137.78	488.49	-142.10	1.90
8	7/21/2018 2:23	7/21/2018 2:40	0:17:30	-33.42	88.29	491.07	-47.13	174.55	494.31	-142.15	1.85
9	7/21/2018 3:17	7/21/2018 3:45	0:28:20	47.46	-77.57	484.51	1.55	34.94	482.21	-141.98	2.02
10	7/21/2018 4:02	7/21/2018 4:19	0:17:00	-45.39	84.66	495.16	-37.21	170.70	489.70	-142.12	1.88
11	7/21/2018 5:03	7/21/2018 5:12	0:09:00	45.73	-37.38	485.66	24.07	-6.39	482.35	-141.99	2.01
12	7/21/2018 5:34	7/21/2018 6:02	0:27:40	-39.65	49.23	493.15	-15.75	168.67	481.51	-141.98	2.02
13	7/21/2018 6:28	7/21/2018 6:53	0:24:40	51.30	-106.16	485.90	1.86	-13.09	482.24	-141.98	2.02
14	7/21/2018 9:02	7/21/2018 9:19	0:17:00	-38.17	97.55	490.04	10.44	139.79	477.53	-141.90	2.10
15	7/21/2018 11:16	7/21/2018 11:38	0:22:10	50.21	-149.26	486.15	-5.46	-79.66	483.42	-141.98	2.02
16	7/21/2018 12:03	7/21/2018 12:25	0:21:21	-49.60	21.87	495.55	4.63	87.78	477.60	-141.90	2.10
17	7/21/2018 13:29	7/21/2018 13:38	0:09:20	-47.89	-51.55	496.24	-48.96	0.76	495.22	-142.22	1.78
18	7/21/2018 14:20	7/21/2018 14:40	0:19:01	51.76	142.05	486.12	14.84	-142.12	482.06	-141.99	2.01
19	7/21/2018 15:02	7/21/2018 15:32	0:29:20	-47.18	-77.77	495.97	0.79	37.25	477.85	-141.91	2.09
20	7/21/2018 17:26	7/21/2018 17:42	0:15:20	50.33	79.23	485.33	32.43	153.68	485.78	-137.70	6.30
21	7/21/2018 18:28	7/21/2018 18:38	0:09:31	-32.93	-38.90	493.95	-5.81	-15.26	482.56	-139.73	4.27
22	7/21/2018 20:37	7/21/2018 20:51	0:14:29	51.73	45.12	486.11	28.28	110.38	485.58	-140.81	3.19
23	7/21/2018 21:36	7/21/2018 21:45	0:09:59	-36.54	-91.44	495.81	-8.63	-65.15	483.38	-139.69	4.31
24	7/21/2018 23:08	7/21/2018 23:25	0:17:10	-41.63	-123.53	498.71	6.26	-78.52	480.21	-139.70	4.30
25	7/21/2018 23:37	7/22/2018 0:11	0:34:20	39.09	-46.73	482.27	-3.66	87.68	488.60	-139.98	4.02
26	7/22/2018 0:30	7/22/2018 0:38	0:07:50	-50.62	153.34	505.35	-47.83	-162.56	502.47	-139.93	4.07
27	7/22/2018 1:11	7/22/2018 1:23	0:11:11	40.48	-68.37	482.56	51.02	-10.06	486.52	-140.20	3.80
28	7/22/2018 2:06	7/22/2018 2:17	0:11:00	-51.65	139.60	505.45	-38.13	-165.55	497.10	-139.94	4.06
29	7/22/2018 2:48	7/22/2018 3:18	0:30:19	45.43	-82.08	483.81	-0.82	37.81	487.65	-139.98	4.02
30	7/22/2018 3:33	7/22/2018 3:42	0:09:59	-40.17	75.20	501.57	-51.68	126.11	505.03	-140.27	3.73
31	7/22/2018 4:33	7/22/2018 4:44	0:11:20	49.40	-48.40	486.51	24.42	-5.53	485.10	-140.74	3.26
32	7/22/2018 5:08	7/22/2018 5:31	0:22:50	-42.22	54.96	502.34	-26.35	160.65	490.96	-139.70	4.30
33	7/22/2018 6:00	7/22/2018 6:24	0:23:20	50.54	-110.96	485.40	9.02	-17.04	485.98	-140.15	3.85
34	7/22/2018 7:40	7/22/2018 7:55	0:15:40	50.69	-103.24	486.55	15.60	-45.93	485.44	-140.46	3.54
35	7/22/2018 9:17	7/22/2018 9:27	0:09:01	46.23	-109.31	486.35	24.87	-77.75	485.18	-140.60	3.40
36	7/22/2018 9:47	7/22/2018 10:28	0:40:11	-35.73	-27.19	499.95	16.44	121.55	487.75	-139.78	4.22
37	7/22/2018 10:57	7/22/2018 11:11	0:14:30	36.26	-114.48	489.98	-5.26	-78.74	489.73	-140.03	3.97
38	7/22/2018 11:20	7/22/2018 11:55	0:34:30	-31.98	-55.82	498.42	-4.91	82.10	489.61	-139.78	4.22
39	7/22/2018 12:25	7/22/2018 12:33	0:08:00	47.22	-160.12	492.32	29.31	-130.08	489.01	-140.58	3.42
40	7/22/2018 12:57	7/22/2018 13:06	0:08:59	-38.26	-71.49	501.13	-51.63	-28.28	506.72	-140.37	3.63
41	7/22/2018 13:42	7/22/2018 14:06	0:24:30	32.40	88.72	489.36	32.78	-157.93	489.58	-140.05	3.95
42	7/22/2018 14:34	7/22/2018 15:05	0:31:19	-43.40	-86.32	503.26	0.25	37.82	488.64	-139.65	4.35
43	7/22/2018 15:17	7/22/2018 15:50	0:33:50	33.32	65.87	489.50	5.06	-157.88	488.34	-140.06	3.94
44	7/22/2018 16:52	7/22/2018 17:27	0:35:10	36.32	45.80	490.02	-2.54	-176.48	489.34	-140.03	3.97
45	7/22/2018 17:42	7/22/2018 18:11	0:28:30	-42.48	-136.09	502.85	-9.61	-17.11	490.56	-139.49	4.51
46	7/22/2018 18:50	7/22/2018 19:03	0:12:31	29.95	133.42	489.14	-6.62	162.46	490.10	-140.04	3.96
47	7/22/2018 19:15	7/22/2018 19:48	0:33:30	-38.49	-166.96	501.08	-0.03	-34.24	488.61	-139.37	4.63
48	7/22/2018 20:23	7/22/2018 20:38	0:15:20	35.90	102.29	490.14	-8.19	139.64	490.48	-140.04	3.96
49	7/22/2018 21:36	7/22/2018 22:07	0:31:30	37.71	-24.08	490.35	6.76	105.09	488.19	-140.25	3.75
50	7/22/2018 22:24	7/22/2018 22:49	0:24:31	-40.50	148.40	501.91	-23.95	-100.53	495.09	-139.17	4.83
51	7/22/2018 23:09	7/22/2018 23:43	0:34:20	35.74	-50.80	490.07	0.67	85.44	488.73	-140.23	3.77
52	7/23/2018 0:41	7/23/2018 1:16	0:34:30	29.77	-81.92	489.12	7.11	56.92	487.89	-140.24	3.76
53	7/23/2018 1:26	7/23/2018 1:47	0:21:01	-23.97	80.38	495.11	-47.19	176.36	504.90	-140.36	3.64
54	7/23/2018 2:17	7/23/2018 2:49	0:32:10	34.19	-100.74	489.86	9.04	31.57	487.67	-140.20	3.80
55	7/23/2018 3:00	7/23/2018 3:10	0:09:01	-24.04	56.48	495.03	-45.66	87.29	504.01	-140.37	3.63
56	7/23/2018 3:11	7/23/2018 3:24	0:12:01	-48.76	97.00	505.34	-43.58	161.58	503.33	-140.60	3.40
57	7/23/2018 4:37	7/23/2018 4:55	0:18:09	-30.06	38.51	497.34	-48.12	125.42	505.14	-140.59	3.41
58	7/23/2018 5:31	7/23/2018 5:53	0:22:09	45.68	-128.60	492.07	23.03	-27.48	488.09	-140.26	3.74
59	7/23/2018 7:15	7/23/2018 7:32	0:16:01	49.56	-96.29	492.86	11.30	-41.95	487.74	-140.23	3.77
60	7/23/2018 8:49	7/23/2018 9:07	0:18:20	50.69	-126.51	493.03	7.74	-63.30	487.91	-140.12	3.88
61	7/23/2018 10:18	7/23/2018 10:41	0:23:00	51.25	-176.54	493.02	7.16	-86.84	487.96	-140.09	3.91
62	7/23/2018 11:57	7/23/2018 12:14	0:17:31	51.14	-177.92	493.15	12.07	-114.39	487.85	-140.12	3.88
63	7/23/2018 12:31	7/23/2018 13:02	0:30:41	-37.55	-71.86	500.81	-9.72	55.36	490.71	-139.93	4.07
64	7/23/2018 13:13	7/23/2018 13:38	0:25:41	21.52	78.52	488.05	39.61	-166.74	490.79	-139.95	4.05
65	7/23/2018 14:03	7/23/2018 14:36	0:32:29	-31.33	-103.80	498.18	-11.63	29.99	491.15	-140.24	3.76
66	7/23/2018 14:47	7/23/2018 15:20	0:33:01	21.11	54.21	487.99	20.70	-169.17	488.17	-139.89	4.11
67	7/23/2018 15:42	7/23/2018 16:07	0:24:51	-41.80	-112.75	502.56	-21.30	-1.67	494.14	-140.01	3.99
68	7/23/2018 16:23	7/23/2018 16:40	0:17:30	25.89	34.59	488.45	50.58	114.41	493.07	-140.14	3.86

Table 2 Departure (TRDS SMA - 6M16G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non- Compliance (dB)
69	7/23/2018 18:45	7/23/2018 19:01	0:16:30	-27.95	-179.28	496.76	-50.84	-103.25	506.14	-140.46	3.54
70	7/23/2018 21:19	7/23/2018 21:42	0:22:40	51.35	16.78	493.30	7.65	105.13	488.11	-139.29	4.71
71	7/23/2018 21:54	7/23/2018 22:28	0:34:09	-28.54	133.41	496.97	-9.77	-88.41	490.67	-139.11	4.89
72	7/24/2018 1:04	7/24/2018 1:19	0:15:00	-33.93	91.61	499.07	-50.16	165.18	506.10	-140.49	3.51
73	7/24/2018 2:42	7/24/2018 2:56	0:14:00	-40.37	77.00	501.72	-48.10	150.11	505.20	-140.50	3.50
74	7/24/2018 4:09	7/24/2018 4:35	0:26:39	-21.38	30.84	494.00	-37.60	148.81	500.77	-139.93	4.07
75	7/24/2018 6:44	7/24/2018 7:04	0:20:01	50.79	-131.83	493.18	18.06	-46.51	487.80	-139.72	4.28
76	7/24/2018 8:22	7/24/2018 8:40	0:17:50	51.50	-133.26	493.22	13.09	-66.57	487.71	-139.67	4.33
77	7/24/2018 9:03	7/24/2018 9:29	0:25:30	-48.49	0.86	505.35	-8.27	105.01	490.39	-138.75	5.25
78	7/24/2018 9:49	7/24/2018 9:58	0:08:41	46.16	161.51	491.95	50.77	-150.37	492.91	-140.38	3.62
79	7/24/2018 11:27	7/24/2018 11:43	0:16:10	51.19	159.59	493.15	27.30	-126.65	488.70	-139.67	4.33
80	7/24/2018 12:20	7/24/2018 12:35	0:14:31	-49.23	2.01	505.72	-15.04	52.03	492.21	-138.57	5.43
81	7/24/2018 12:58	7/24/2018 13:16	0:18:20	46.53	114.62	492.15	32.15	-155.83	489.45	-139.74	4.26
82	7/24/2018 13:37	7/24/2018 14:01	0:23:50	-28.76	-105.91	497.13	-38.04	4.43	500.86	-138.48	5.52
83	7/24/2018 15:27	7/24/2018 15:41	0:14:00	-51.46	-60.45	506.51	-24.03	-3.42	495.15	-138.24	5.76
84	7/24/2018 15:55	7/24/2018 16:12	0:16:50	17.91	28.27	487.81	51.71	94.94	493.29	-139.90	4.10
85	7/24/2018 17:40	7/24/2018 18:02	0:22:30	45.50	40.00	491.90	22.37	142.16	488.23	-139.87	4.13
86	7/24/2018 18:33	7/24/2018 18:50	0:17:20	-51.58	-123.68	506.46	-22.00	-49.50	494.33	-138.16	5.84
87	7/24/2018 19:13	7/24/2018 19:27	0:14:00	41.95	8.31	491.19	46.91	82.42	492.30	-140.14	3.86
88	7/24/2018 19:32	7/24/2018 19:41	0:08:30	34.05	106.07	489.78	10.10	127.98	487.95	-139.90	4.10
89	7/24/2018 20:41	7/24/2018 21:08	0:26:59	26.66	-35.83	488.58	31.83	84.78	489.48	-139.90	4.10
90	7/24/2018 21:26	7/24/2018 21:59	0:32:11	-22.63	128.44	494.73	-21.85	-97.29	494.35	-138.53	5.47
91	7/24/2018 22:13	7/24/2018 22:41	0:27:51	20.14	-65.71	488.04	35.60	56.15	490.09	-139.89	4.11
92	7/24/2018 23:03	7/24/2018 23:20	0:17:00	-27.81	109.39	496.64	-50.46	-171.94	506.16	-140.32	3.68
93	7/24/2018 23:47	7/25/2018 0:22	0:34:50	19.24	-90.41	488.09	17.27	50.62	487.72	-139.62	4.38
94	7/25/2018 19:30	7/25/2018 19:58	0:28:19	-32.22	162.77	498.41	-22.76	-73.45	494.60	-139.89	4.11
95	7/25/2018 20:20	7/25/2018 20:44	0:23:59	39.52	-19.22	490.75	26.33	91.27	488.69	-138.83	5.17
96	7/25/2018 21:05	7/25/2018 21:34	0:29:11	-32.72	139.41	498.60	-19.83	-94.88	493.66	-139.89	4.11
97	7/25/2018 21:51	7/25/2018 22:18	0:26:41	31.34	-54.19	489.35	28.09	65.55	488.87	-139.10	4.90
98	7/25/2018 22:41	7/25/2018 22:55	0:14:20	-36.55	120.38	500.20	-49.76	-167.41	505.87	-139.93	4.07
99	7/25/2018 23:25	7/25/2018 23:59	0:34:11	30.07	-79.55	489.21	7.78	58.49	487.79	-139.23	4.77
100	7/26/2018 0:19	7/26/2018 0:29	0:09:41	-46.38	115.24	504.38	-49.73	168.77	505.92	-139.92	4.08
101	7/26/2018 0:59	7/26/2018 1:13	0:14:30	28.79	-104.87	489.09	51.68	-39.15	493.27	-139.97	4.03
102	7/26/2018 1:46	7/26/2018 2:03	0:16:40	-29.84	64.28	497.23	-50.06	143.14	505.98	-139.92	4.08
103	7/26/2018 2:04	7/26/2018 2:05	0:01:20	-49.52	145.83	505.76	-47.75	152.68	505.06	-141.51	2.49
104	7/26/2018 2:46	7/26/2018 3:02	0:15:40	51.75	-70.82	493.30	24.66	-2.97	488.14	-139.51	4.49
105	7/26/2018 3:18	7/26/2018 3:29	0:10:40	-23.02	33.65	494.54	-47.78	71.58	504.84	-140.58	3.42
106	7/26/2018 3:33	7/26/2018 3:38	0:05:00	-51.37	90.50	506.36	-50.03	119.33	505.91	-139.96	4.04
107	7/26/2018 3:38	7/26/2018 3:39	0:01:00	-49.29	122.90	505.62	-47.96	128.03	505.08	-141.88	2.12
108	7/26/2018 4:58	7/26/2018 5:09	0:11:00	-35.98	23.77	499.76	-51.79	76.44	506.53	-140.30	3.70
109	7/26/2018 5:15	7/26/2018 5:26	0:11:20	-46.34	109.03	504.37	-18.51	146.45	493.42	-138.25	5.75
110	7/26/2018 5:51	7/26/2018 6:08	0:16:39	48.52	-141.75	492.72	33.08	-59.74	489.46	-139.47	4.53
111	7/26/2018 6:31	7/26/2018 6:46	0:14:50	-34.80	-1.75	499.37	-49.98	71.69	505.91	-139.98	4.02
112	7/26/2018 6:47	7/26/2018 7:00	0:13:01	-48.81	76.99	505.44	-18.44	122.55	493.35	-138.21	5.79
113	7/26/2018 8:15	7/26/2018 8:21	0:06:10	-50.75	13.37	506.26	-49.78	48.77	505.90	-139.98	4.02
114	7/26/2018 8:21	7/26/2018 8:35	0:13:30	-48.78	53.16	505.49	-16.91	99.83	492.83	-138.16	5.84
115	7/26/2018 10:00	7/26/2018 10:10	0:10:40	-41.72	47.56	502.53	-13.41	78.61	491.76	-137.62	6.38
116	7/26/2018 10:37	7/26/2018 10:55	0:17:11	51.56	165.26	493.23	22.42	-120.71	488.14	-139.45	4.55
117	7/26/2018 12:11	7/26/2018 13:04	0:52:40	51.25	137.57	493.19	-49.70	-22.70	505.82	-138.73	5.27
118	7/26/2018 13:04	7/26/2018 13:10	0:05:40	-48.68	-18.33	505.40	-37.86	6.07	500.80	-139.26	4.74
119	7/26/2018 13:12	7/26/2018 13:26	0:13:10	-32.47	13.18	498.54	5.71	44.41	488.09	-137.95	6.05
120	7/26/2018 13:27	7/26/2018 14:12	0:44:40	11.69	48.76	487.78	-4.42	-148.47	489.60	-138.76	5.24
121	7/26/2018 14:15	7/26/2018 14:38	0:22:39	-13.87	-141.56	491.89	-49.67	-46.52	505.75	-139.44	4.56
122	7/26/2018 14:39	7/26/2018 15:14	0:35:31	-48.65	-42.15	505.33	44.36	62.58	491.69	-138.25	5.75
123	7/26/2018 15:55	7/26/2018 16:13	0:17:11	-29.99	-151.14	497.56	-49.45	-69.46	505.66	-139.92	4.08
124	7/26/2018 16:50	7/26/2018 17:06	0:15:51	47.57	47.26	492.36	36.82	127.70	490.21	-139.93	4.07
125	7/26/2018 17:28	7/26/2018 17:37	0:08:51	-24.59	179.49	495.40	-45.70	-150.09	504.04	-140.70	3.30
126	7/26/2018 18:45	7/26/2018 19:04	0:19:09	26.75	115.49	488.68	-29.24	160.14	497.19	-138.81	5.19
127	7/26/2018 19:52	7/26/2018 20:00	0:07:40	31.81	-29.01	489.35	48.14	1.27	492.59	-139.93	4.07
128	7/26/2018 20:22	7/26/2018 20:49	0:27:01	17.18	99.97	487.94	-50.91	-177.14	506.15	-138.85	5.15
129	7/26/2018 21:02	7/26/2018 21:19	0:16:21	-35.94	-110.98	499.87	11.08	-71.47	487.85	-138.19	5.81
130	7/26/2018 21:22	7/26/2018 21:50	0:28:39	18.92	-65.36	487.99	34.57	58.86	489.88	-139.79	4.21
131	7/26/2018 22:07	7/26/2018 22:21	0:14:20	-14.73	99.33	492.04	-48.89	148.17	505.43	-138.83	5.17
132	7/26/2018 22:50	7/26/2018 23:00	0:09:31	1.65	-102.19	488.72	29.28	-79.71	489.11	-139.34	4.66
133	7/26/2018 23:02	7/26/2018 23:27	0:25:09	34.93	-73.10	489.99	28.37	41.99	488.71	-139.60	4.40
134	7/27/2018 0:27	7/27/2018 0:42	0:14:10	10.72	-119.65	488.09	46.71	-75.15	492.30	-139.32	4.68
135	7/27/2018 1:21	7/27/2018 1:32	0:10:31	-30.84	66.06	497.62	-50.84	110.47	506.17	-140.70	3.30
136	7/27/2018 2:06	7/27/2018 2:35	0:29:50	22.48	-134.19	488.43	28.24	-5.78	488.57	-138.82	5.18

Table 2 Departure (TRDS SMA - 6M16G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non-Compliance (dB)
137	7/27/2018 2:45	7/27/2018 3:00	0:14:51	-1.01	17.49	488.58	-41.77	57.58	502.23	-138.49	5.51
138	7/27/2018 3:02	7/27/2018 3:11	0:08:41	-45.97	66.88	504.04	-50.89	114.69	506.24	-139.51	4.49
139	7/27/2018 3:45	7/27/2018 4:04	0:18:10	36.76	-142.49	490.37	43.48	-51.40	491.40	-139.60	4.40
140	7/27/2018 4:22	7/27/2018 4:49	0:26:20	-8.10	-1.43	490.02	-47.36	106.72	504.78	-138.33	5.67
141	7/27/2018 7:04	7/27/2018 7:10	0:05:40	51.71	-143.28	493.29	48.02	-111.40	492.44	-140.53	3.47
142	7/27/2018 7:12	7/27/2018 7:27	0:15:40	44.04	-100.52	491.56	1.77	-56.33	488.39	-138.96	5.04
143	7/27/2018 8:04	7/27/2018 8:10	0:05:40	-31.69	86.64	498.30	-15.82	101.38	492.50	-139.57	4.43
144	7/27/2018 8:46	7/27/2018 9:05	0:19:30	44.94	-126.55	491.63	-8.33	-73.13	490.28	-139.17	4.83
145	7/27/2018 10:12	7/27/2018 10:18	0:05:21	51.63	167.16	493.25	48.87	-162.45	492.63	-140.43	3.57
146	7/27/2018 10:21	7/27/2018 10:46	0:25:09	43.94	-148.21	491.56	-26.28	-82.40	496.11	-138.30	5.70
147	7/27/2018 11:46	7/27/2018 11:54	0:08:39	51.36	139.46	493.22	44.53	-173.50	491.74	-140.14	3.86
148	7/27/2018 11:57	7/27/2018 12:45	0:47:21	38.88	-162.82	490.59	-38.54	5.71	501.10	-138.27	5.73
149	7/27/2018 13:25	7/27/2018 13:33	0:08:19	50.47	141.82	493.04	35.20	178.50	489.94	-139.83	4.17
150	7/27/2018 13:50	7/27/2018 13:58	0:07:01	-15.46	-139.65	492.34	-34.79	-120.84	499.51	-138.17	5.83
151	7/27/2018 14:33	7/27/2018 14:56	0:23:10	1.90	18.44	488.48	51.78	102.60	493.32	-138.51	5.49
152	7/27/2018 14:59	7/27/2018 15:16	0:17:39	50.87	115.20	493.13	10.40	177.72	487.88	-139.70	4.30
153	7/27/2018 15:32	7/27/2018 15:53	0:21:29	-35.27	-144.18	499.71	-37.64	-40.84	500.65	-138.26	5.74
154	7/27/2018 16:17	7/27/2018 16:27	0:10:29	29.57	17.10	488.97	50.47	60.43	493.00	-139.68	4.32
155	7/27/2018 16:33	7/27/2018 16:55	0:21:10	50.27	95.11	492.96	-2.19	162.73	489.11	-139.39	4.61
156	7/27/2018 17:23	7/27/2018 17:37	0:13:21	-46.50	-82.37	504.33	-12.93	-40.11	491.46	-137.98	6.02
157	7/27/2018 18:09	7/27/2018 18:36	0:26:20	48.71	78.42	492.66	-21.47	153.43	494.26	-139.06	4.94
158	7/27/2018 18:55	7/27/2018 19:13	0:18:20	-50.08	-119.77	505.77	-5.89	-58.92	489.72	-137.59	6.41
159	7/27/2018 19:30	7/27/2018 19:44	0:13:51	41.55	-14.34	491.18	47.48	58.79	492.47	-140.01	3.99
160	7/27/2018 19:46	7/27/2018 20:00	0:13:40	43.64	68.71	491.66	7.18	108.19	488.05	-139.41	4.59
161	7/27/2018 20:05	7/27/2018 20:51	0:46:09	-7.35	118.48	490.16	4.22	-75.74	488.27	-137.94	6.06
162	7/27/2018 21:20	7/27/2018 21:37	0:16:30	44.24	43.43	491.80	-0.41	89.61	488.79	-139.58	4.42
163	7/27/2018 21:49	7/27/2018 22:04	0:15:10	-33.85	118.19	499.02	-50.02	-167.41	505.95	-139.63	4.37
164	7/27/2018 22:24	7/27/2018 22:32	0:07:51	-1.23	-103.54	489.14	21.98	-86.03	488.31	-138.15	5.85
165	7/27/2018 22:34	7/27/2018 23:00	0:25:50	28.04	-80.32	488.95	33.55	36.86	489.51	-139.67	4.33
166	7/27/2018 23:20	7/27/2018 23:39	0:18:10	-26.83	86.50	496.10	-49.64	170.57	505.87	-139.74	4.26
167	7/28/2018 0:02	7/28/2018 0:10	0:07:31	11.34	-118.50	488.08	32.54	-99.34	489.66	-138.09	5.91
168	7/28/2018 0:56	7/28/2018 1:14	0:18:20	-29.62	65.41	497.10	-48.12	152.79	505.20	-139.71	4.29
169	7/28/2018 1:41	7/28/2018 2:00	0:19:39	23.07	-132.98	488.49	49.39	-44.21	492.71	-139.66	4.34
170	7/28/2018 2:02	7/28/2018 2:15	0:13:19	46.52	-34.16	492.05	12.85	8.20	487.45	-139.64	4.36
171	7/28/2018 2:19	7/28/2018 2:40	0:20:11	1.37	16.49	488.21	-49.45	79.35	505.52	-138.45	5.55
172	7/28/2018 3:20	7/28/2018 3:40	0:20:09	37.27	-141.09	490.47	38.69	-42.07	490.38	-139.76	4.24
173	7/28/2018 3:54	7/28/2018 4:15	0:20:50	1.30	-7.41	488.27	-50.19	59.13	505.81	-138.51	5.49
174	7/28/2018 4:16	7/28/2018 4:35	0:18:31	-51.56	70.47	506.40	-18.76	147.61	493.52	-139.08	4.92
175	7/28/2018 5:08	7/28/2018 5:23	0:15:09	50.24	-96.34	492.99	15.65	-41.86	487.62	-139.61	4.39
176	7/28/2018 5:41	7/28/2018 5:50	0:09:20	-35.42	0.43	499.59	-51.25	42.80	506.35	-140.62	3.38
177	7/28/2018 5:52	7/28/2018 6:15	0:22:30	-51.78	55.46	506.58	-2.36	135.90	489.30	-139.53	4.47
178	7/28/2018 6:39	7/28/2018 7:00	0:21:40	51.75	-141.36	493.30	7.15	-59.47	487.84	-139.61	4.39
179	7/28/2018 7:18	7/28/2018 7:42	0:24:10	-42.02	-13.13	502.52	-22.91	96.14	494.89	-139.38	4.62
180	7/28/2018 8:08	7/28/2018 8:37	0:29:20	47.51	168.20	492.25	-1.45	-77.34	488.86	-139.60	4.40
181	7/28/2018 9:10	7/28/2018 9:25	0:15:00	-39.33	53.07	501.51	2.81	91.63	488.45	-138.58	5.42
182	7/28/2018 9:47	7/28/2018 10:02	0:15:29	51.69	169.07	493.25	25.94	-122.58	488.45	-139.62	4.38
183	7/28/2018 11:23	7/28/2018 11:53	0:30:39	51.76	152.14	493.30	-22.26	-109.38	494.58	-139.50	4.50
184	7/28/2018 12:00	7/28/2018 12:16	0:16:39	-38.86	-90.43	501.23	-44.79	-5.41	503.76	-139.51	4.49
185	7/28/2018 12:17	7/28/2018 12:32	0:15:10	-43.51	-2.54	503.22	-2.56	39.94	489.19	-138.56	5.44
186	7/28/2018 12:52	7/28/2018 13:11	0:18:51	48.58	100.06	492.60	27.19	-171.71	488.70	-139.35	4.65
187	7/28/2018 13:43	7/28/2018 13:50	0:07:20	-51.77	-68.49	506.60	-44.75	-29.26	503.68	-139.50	4.50
188	7/28/2018 13:51	7/28/2018 14:05	0:14:10	-43.46	-26.39	503.14	-5.49	13.91	489.72	-138.76	5.24
189	7/28/2018 14:25	7/28/2018 14:48	0:23:29	46.87	70.43	492.24	17.16	173.22	487.87	-139.20	4.80
190	7/28/2018 15:07	7/28/2018 15:25	0:17:50	-35.79	-142.80	499.90	-45.01	-53.84	503.78	-139.58	4.42
191	7/28/2018 15:26	7/28/2018 15:27	0:01:40	-43.08	-49.54	502.96	-39.48	-43.00	501.43	-139.86	4.14
192	7/28/2018 16:00	7/28/2018 16:14	0:14:00	47.44	48.22	492.34	41.24	122.03	491.04	-139.42	4.58
193	7/28/2018 16:52	7/28/2018 16:59	0:06:50	-51.80	-114.14	506.51	-44.96	-77.68	503.68	-139.65	4.35
194	7/28/2018 17:00	7/28/2018 17:09	0:09:09	-43.02	-73.38	502.86	-19.62	-44.74	493.54	-138.52	5.48
195	7/28/2018 17:35	7/28/2018 17:48	0:12:31	48.90	29.45	492.70	42.25	96.19	491.28	-139.36	4.64
196	7/28/2018 18:22	7/28/2018 18:33	0:11:11	-48.94	-162.37	505.32	-44.91	-101.52	503.61	-139.72	4.28
197	7/28/2018 18:34	7/28/2018 18:46	0:11:41	-42.97	-97.23	502.79	-12.23	-62.86	491.26	-138.45	5.55
198	7/28/2018 19:12	7/28/2018 19:30	0:18:19	51.18	18.46	493.27	21.28	97.93	488.15	-138.84	5.16
199	7/28/2018 19:55	7/28/2018 20:08	0:12:20	-47.32	167.94	504.65	-44.86	-125.36	503.62	-139.79	4.21
200	7/28/2018 20:09	7/28/2018 20:24	0:15:01	-42.92	-121.08	502.80	-2.18	-79.56	489.12	-138.29	5.71
201	7/28/2018 20:52	7/28/2018 21:12	0:19:49	49.02	29.95	492.84	-1.55	91.09	488.95	-138.99	5.01
202	7/28/2018 21:30	7/28/2018 21:39	0:09:20	-47.09	143.30	504.64	-49.62	-164.69	505.77	-139.85	4.15
203	7/28/2018 21:59	7/28/2018 22:04	0:05:09	-0.60	-102.41	489.05	14.85	-91.20	487.98	-139.80	4.20
204	7/28/2018 22:06	7/28/2018 22:31	0:25:30	21.15	-86.07	488.25	40.28	27.88	490.79	-138.63	5.37

Table 2 Departure (TRDS SMA - 6M16G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non- Compliance (dB)
205	7/28/2018 23:00	7/28/2018 23:14	0:13:21	-40.02	103.77	501.58	-49.20	173.25	505.69	-139.90	4.10
206	7/28/2018 23:39	7/29/2018 0:08	0:28:50	17.37	-113.17	488.13	35.49	11.11	489.74	-138.10	5.90
207	7/29/2018 1:25	7/29/2018 1:39	0:14:29	46.34	-98.79	492.24	41.63	-22.42	490.96	-139.88	4.12
208	7/29/2018 2:09	7/29/2018 2:25	0:16:40	-39.76	55.43	501.32	-44.04	140.72	503.48	-138.86	5.14
209	7/29/2018 2:26	7/29/2018 2:28	0:02:30	-43.05	142.83	503.07	-37.51	152.35	500.76	-139.27	4.73
210	7/29/2018 2:58	7/29/2018 3:28	0:29:31	44.90	-126.44	491.95	2.67	-7.69	488.08	-139.70	4.30
211	7/29/2018 3:43	7/29/2018 3:56	0:13:21	-39.82	31.57	501.35	-49.31	100.92	505.56	-140.20	3.80
212	7/29/2018 4:38	7/29/2018 4:55	0:17:41	51.27	-124.41	493.29	22.75	-47.09	488.03	-139.67	4.33
213	7/29/2018 5:18	7/29/2018 5:25	0:06:50	-41.70	10.92	502.26	-51.37	44.70	506.38	-140.39	3.61
214	7/29/2018 6:14	7/29/2018 6:25	0:11:50	51.79	-138.45	493.31	33.97	-82.74	489.56	-139.56	4.44
215	7/29/2018 6:54	7/29/2018 7:14	0:20:00	-45.37	-5.16	503.95	-29.69	90.22	497.49	-138.23	5.77
216	7/29/2018 7:43	7/29/2018 8:08	0:25:00	47.83	169.92	492.32	10.93	-85.49	487.64	-139.71	4.29
217	7/29/2018 8:34	7/29/2018 8:52	0:17:41	-51.70	1.94	506.63	-19.85	75.52	493.81	-138.65	5.35
218	7/29/2018 9:22	7/29/2018 9:47	0:25:20	51.77	171.98	493.26	-4.16	-98.70	489.43	-139.81	4.19
219	7/29/2018 10:05	7/29/2018 10:29	0:23:40	-48.38	-44.04	505.32	-13.95	56.29	491.94	-138.91	5.09
220	7/29/2018 10:56	7/29/2018 11:37	0:40:31	51.77	148.16	493.30	-44.59	-78.91	503.66	-139.28	4.72
221	7/29/2018 11:55	7/29/2018 12:07	0:12:00	-36.35	10.29	500.17	-2.43	40.72	489.17	-138.78	5.22
222	7/29/2018 12:21	7/29/2018 12:34	0:13:00	37.34	75.97	490.30	50.68	141.81	493.07	-139.58	4.42
223	7/29/2018 12:36	7/29/2018 13:19	0:42:50	48.24	153.41	492.54	-51.76	-62.64	506.58	-139.32	4.68
224	7/29/2018 13:52	7/29/2018 13:58	0:05:30	30.19	43.08	489.10	43.31	62.33	491.49	-138.24	5.76
225	7/29/2018 14:43	7/29/2018 15:13	0:30:00	-40.21	-135.45	501.76	-8.28	-11.36	490.33	-138.88	5.12
226	7/29/2018 15:17	7/29/2018 15:59	0:42:09	2.24	-3.91	488.44	12.54	153.54	487.75	-137.96	6.04
227	7/29/2018 16:14	7/29/2018 16:48	0:34:01	-31.29	-171.62	497.95	-6.91	-34.30	438.82	-138.48	5.52
228	7/29/2018 16:50	7/29/2018 16:59	0:09:20	-0.82	-29.98	433.22	27.00	-8.07	417.97	-137.31	6.69
229	7/29/2018 17:01	7/29/2018 17:39	0:37:31	32.90	-1.65	417.10	-7.27	143.97	410.71	-137.43	6.57
230	7/29/2018 17:42	7/29/2018 18:23	0:41:10	-14.83	149.60	410.65	-0.70	-53.44	402.35	-137.09	6.91
231	7/29/2018 18:25	7/29/2018 18:38	0:12:50	5.95	-48.73	403.27	41.54	-12.50	416.39	-136.75	7.25
232	7/29/2018 18:40	7/29/2018 18:48	0:08:20	45.86	-3.07	418.65	51.06	43.71	423.09	-138.46	5.54
233	7/29/2018 19:13	7/29/2018 19:54	0:40:20	-12.45	124.24	410.67	-5.68	-80.50	402.08	-137.12	6.88
234	7/29/2018 19:57	7/29/2018 20:14	0:16:41	4.04	-73.64	402.99	47.59	-21.56	419.66	-136.87	7.13
235	7/29/2018 20:18	7/29/2018 20:52	0:33:11	51.79	6.58	422.72	-29.04	115.16	411.72	-137.67	6.33
236	7/29/2018 20:54	7/29/2018 21:11	0:16:40	-34.80	121.86	412.42	-47.09	-153.41	410.74	-137.90	6.10
237	7/29/2018 21:31	7/29/2018 22:01	0:29:40	8.75	-93.80	403.97	39.33	31.54	420.38	-137.15	6.85
238	7/29/2018 22:04	7/29/2018 22:25	0:21:49	32.26	41.20	418.28	-31.87	94.73	412.03	-138.12	5.88
239	7/29/2018 22:27	7/29/2018 22:44	0:16:50	-37.00	101.30	412.70	-45.28	-171.99	410.15	-138.07	5.93
240	7/29/2018 23:10	7/29/2018 23:22	0:12:20	26.58	-102.64	407.67	51.20	-50.75	404.04	-137.16	6.84
241	7/30/2018 0:09	7/30/2018 0:16	0:06:50	-51.73	124.99	410.45	-45.88	163.00	414.24	-138.27	5.73
242	7/30/2018 0:36	7/30/2018 1:05	0:29:20	8.20	-141.22	408.26	40.32	-17.10	392.19	-137.34	6.66
243	7/30/2018 1:21	7/30/2018 1:45	0:23:29	-6.24	25.64	383.28	-50.80	119.95	412.79	-137.58	6.42
244	7/30/2018 2:21	7/30/2018 2:53	0:31:30	43.32	-126.59	406.92	-2.97	-0.17	382.75	-136.48	7.52
245	7/30/2018 3:04	7/30/2018 3:21	0:17:09	-36.26	29.82	396.29	-45.20	117.80	414.05	-138.26	5.74
246	7/30/2018 4:38	7/30/2018 4:56	0:18:31	-38.95	10.31	398.12	-40.12	104.56	413.94	-137.88	6.12
247	7/30/2018 6:12	7/30/2018 6:36	0:24:01	-43.25	-5.42	401.30	-20.29	103.81	411.26	-137.07	6.93
248	7/30/2018 7:00	7/30/2018 7:30	0:30:30	45.85	168.89	406.40	-3.95	-69.92	383.14	-136.88	7.12
249	7/30/2018 7:49	7/30/2018 8:09	0:20:30	-50.05	-7.79	407.34	-18.02	82.22	410.85	-137.13	6.87
250	7/30/2018 8:37	7/30/2018 8:54	0:16:21	51.60	173.12	403.63	23.53	-114.26	385.31	-137.20	6.80
251	7/30/2018 9:33	7/30/2018 9:50	0:17:00	-40.91	32.75	413.95	7.60	77.45	408.01	-136.73	7.27
252	7/30/2018 10:11	7/30/2018 10:36	0:25:30	51.79	156.27	402.84	-7.67	-114.23	383.97	-136.63	7.37
253	7/30/2018 10:45	7/30/2018 11:01	0:15:39	-33.33	-91.38	394.64	-49.31	-12.78	413.24	-137.82	6.18
254	7/30/2018 11:40	7/30/2018 11:57	0:17:10	50.28	114.76	405.17	26.75	-164.27	386.57	-137.19	6.81
255	7/30/2018 12:09	7/30/2018 12:37	0:28:00	-7.99	-137.48	384.05	-43.31	-18.83	413.74	-137.64	6.36
256	7/30/2018 12:55	7/30/2018 13:19	0:24:10	7.74	30.58	407.94	49.73	130.02	399.40	-136.75	7.25
257	7/30/2018 13:47	7/30/2018 14:26	0:39:50	-24.73	-147.48	389.96	5.52	5.51	408.04	-136.35	7.65
258	7/30/2018 14:29	7/30/2018 15:09	0:40:31	12.10	10.31	407.75	5.22	166.18	382.63	-136.90	7.10
259	7/30/2018 15:11	7/30/2018 15:35	0:23:49	-1.46	170.90	382.97	-51.54	-98.52	411.44	-137.59	6.41
260	7/30/2018 15:37	7/30/2018 16:10	0:33:19	-50.08	-86.97	412.63	38.39	13.30	407.51	-136.60	7.40
261	7/30/2018 16:13	7/30/2018 16:43	0:30:41	43.23	21.87	407.15	-0.12	146.46	332.41	-136.58	7.42
262	7/30/2018 16:46	7/30/2018 17:17	0:31:59	-6.85	151.24	318.89	-31.22	-70.80	180.63	-129.92	14.08
263	7/30/2018 17:36	7/30/2018 18:06	0:29:40	27.27	-23.19	282.13	22.01	106.79	370.42	-135.16	8.84
264	7/30/2018 18:17	7/30/2018 18:48	0:30:39	-12.64	132.62	307.07	-29.67	-91.98	181.13	-130.11	13.89
265	7/30/2018 19:15	7/30/2018 19:37	0:22:11	47.39	-13.37	345.46	18.95	86.51	365.99	-136.17	7.83
266	7/30/2018 19:47	7/30/2018 20:04	0:17:01	-10.72	108.29	311.35	-51.13	172.92	208.83	-133.21	10.79
267	7/30/2018 20:06	7/30/2018 20:26	0:20:00	-51.79	-173.44	199.51	-5.19	-94.34	207.82	-130.06	13.94
268	7/30/2018 20:28	7/30/2018 20:45	0:16:29	2.84	-88.64	222.46	47.45	-36.04	345.17	-133.38	10.62
269	7/30/2018 20:57	7/30/2018 21:17	0:19:30	43.83	32.68	387.98	-11.31	85.85	285.78	-135.46	8.54
270	7/30/2018 21:24	7/30/2018 21:53	0:29:31	-32.17	104.68	217.10	-35.73	-144.96	2.29	-95.56	48.44

Max. Exceedance: 48.44 dB

Table 3 Departure (GN - 4M98G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non-Compliance (dB)
1	7/20/2018 23:40	7/20/2018 23:45	0:05:00	-31.11	-109.84	486.83	-17.09	-96.75	481.70	-143.90	0.10
2	7/21/2018 1:17	7/21/2018 1:28	0:10:40	-21.83	-124.62	483.48	9.96	-101.01	477.66	-143.82	0.18
3	7/21/2018 3:00	7/21/2018 3:06	0:05:51	4.54	-128.82	477.89	21.79	-115.54	478.53	-143.83	0.17
4	7/21/2018 4:39	7/21/2018 4:44	0:05:30	18.03	-142.62	478.11	33.28	-127.76	480.62	-143.83	0.17
5	7/21/2018 6:17	7/21/2018 6:24	0:06:40	30.75	-154.61	480.06	45.92	-129.85	484.02	-143.87	0.13
6	7/21/2018 7:55	7/21/2018 8:03	0:08:09	40.29	-165.56	482.38	51.66	-125.02	486.14	-143.91	0.09
7	7/21/2018 9:36	7/21/2018 9:41	0:05:10	50.64	-159.32	485.51	50.82	-129.25	486.32	-143.97	0.03
8	7/22/2018 0:49	7/22/2018 0:59	0:10:49	-24.04	-125.37	489.82	8.10	-101.14	480.15	-141.67	2.33
9	7/22/2018 2:32	7/22/2018 2:37	0:05:50	1.91	-129.48	481.16	19.27	-116.49	479.78	-141.67	2.33
10	7/22/2018 4:10	7/22/2018 4:16	0:05:30	15.21	-143.69	479.79	30.76	-129.51	480.79	-141.78	2.22
11	7/22/2018 5:50	7/22/2018 5:51	0:00:31	31.50	-152.61	480.90	32.81	-151.08	481.10	-142.01	1.99
12	7/22/2018 5:51	7/22/2018 5:56	0:04:01	34.52	-148.97	481.40	43.65	-134.09	483.35	-141.96	2.04
13	7/22/2018 7:27	7/22/2018 7:35	0:08:21	37.67	-168.58	481.99	51.24	-129.51	485.74	-141.97	2.03
14	7/22/2018 9:08	7/22/2018 9:13	0:05:19	49.39	-164.87	484.88	51.47	-134.17	486.33	-142.47	1.53
15	7/23/2018 0:19	7/23/2018 0:30	0:10:49	-34.60	-135.90	499.54	-3.82	-108.77	489.55	-141.28	2.72
16	7/23/2018 2:02	7/23/2018 2:08	0:06:00	-10.24	-137.34	491.08	7.78	-124.52	488.17	-142.03	1.97
17	7/23/2018 3:41	7/23/2018 3:46	0:05:19	4.35	-150.93	488.46	20.13	-138.94	488.19	-141.81	2.19
18	7/23/2018 5:20	7/23/2018 5:26	0:06:20	17.31	-165.22	488.04	34.74	-147.95	489.96	-141.80	2.20
19	7/23/2018 6:58	7/23/2018 7:06	0:08:10	27.78	-179.81	488.90	46.58	-150.10	492.29	-142.30	1.70
20	7/23/2018 8:38	7/23/2018 8:44	0:05:39	42.90	177.18	491.40	51.03	-154.64	493.12	-142.30	1.70
21	7/23/2018 23:52	7/24/2018 0:03	0:10:51	-37.38	-139.01	500.70	-7.21	-110.51	490.27	-140.81	3.19
22	7/24/2018 1:35	7/24/2018 1:41	0:06:00	-13.59	-139.17	492.00	4.39	-126.27	488.47	-142.08	1.92
23	7/24/2018 3:14	7/24/2018 3:20	0:05:21	0.95	-152.64	488.88	16.85	-140.95	488.06	-142.35	1.65
24	7/24/2018 4:53	7/24/2018 5:00	0:06:20	13.99	-167.14	487.99	31.83	-150.81	489.51	-141.82	2.18
25	7/24/2018 6:31	7/24/2018 6:39	0:08:10	24.65	177.83	488.55	44.57	-154.58	491.88	-141.82	2.18
26	7/24/2018 8:12	7/24/2018 8:17	0:05:41	40.49	173.36	490.93	50.05	-160.27	492.93	-142.40	1.60
27	7/24/2018 23:26	7/24/2018 23:37	0:10:40	-39.62	-141.78	501.65	-10.59	-112.28	491.09	-140.23	3.77
28	7/25/2018 1:09	7/25/2018 1:15	0:06:20	-17.39	-141.46	493.17	1.49	-127.63	488.82	-139.86	4.14
29	7/25/2018 2:48	7/25/2018 2:50	0:01:49	-2.45	-154.35	489.43	3.07	-150.47	488.63	-141.64	2.36
30	7/25/2018 2:51	7/25/2018 2:53	0:02:29	6.08	-148.34	488.34	13.53	-142.86	488.03	-141.87	2.13
31	7/25/2018 4:27	7/25/2018 4:33	0:06:11	10.64	-168.98	488.06	28.37	-153.90	489.03	-141.83	2.17
32	7/25/2018 6:05	7/25/2018 6:13	0:08:19	20.97	175.23	488.25	42.32	-158.67	491.43	-141.87	2.13
33	7/25/2018 7:45	7/25/2018 7:51	0:06:00	37.50	169.29	490.37	48.94	-164.73	492.70	-141.98	2.02
34	7/25/2018 23:00	7/25/2018 23:00	0:00:30	-42.09	-145.46	502.69	-41.02	-143.48	502.23	-142.39	1.61
35	7/25/2018 23:01	7/25/2018 23:10	0:08:41	-37.59	-137.96	500.79	-13.93	-114.11	492.02	-141.72	2.28
36	7/26/2018 0:42	7/26/2018 0:47	0:05:10	-21.13	-143.89	494.43	-5.91	-132.17	490.11	-141.29	2.71
37	7/26/2018 2:21	7/26/2018 2:22	0:00:21	-6.34	-156.43	490.20	-5.34	-155.71	489.99	-141.96	2.04
38	7/26/2018 2:23	7/26/2018 2:27	0:03:40	-0.83	-152.53	489.18	10.18	-144.68	488.11	-139.95	4.05
39	7/26/2018 4:00	7/26/2018 4:06	0:06:09	7.27	-170.75	488.24	25.26	-156.28	488.67	-139.99	4.01
40	7/26/2018 5:38	7/26/2018 5:46	0:08:21	17.71	173.19	488.08	39.86	-162.40	490.95	-141.84	2.16
41	7/26/2018 7:18	7/26/2018 7:24	0:06:09	34.31	165.64	489.82	47.34	-169.74	492.37	-141.90	2.10
42	7/26/2018 22:33	7/26/2018 22:44	0:10:41	-43.37	-147.35	503.22	-15.77	-114.86	492.57	-140.07	3.93
43	7/27/2018 0:16	7/27/2018 0:23	0:06:31	-22.44	-144.35	494.90	-3.29	-129.63	489.60	-140.84	3.16
44	7/27/2018 1:56	7/27/2018 2:01	0:04:59	-7.22	-156.37	490.41	7.81	-145.73	488.24	-140.46	3.54
45	7/27/2018 3:34	7/27/2018 3:35	0:00:40	6.39	-170.70	488.32	8.39	-169.26	488.19	-142.00	2.00
46	7/27/2018 3:36	7/27/2018 3:41	0:05:01	9.88	-168.17	488.12	24.44	-156.37	488.60	-141.40	2.60
47	7/27/2018 5:12	7/27/2018 5:21	0:08:20	16.85	173.19	488.06	39.19	-162.80	490.83	-141.63	2.37
48	7/27/2018 6:53	7/27/2018 6:59	0:06:20	33.99	165.92	489.78	47.40	-168.86	492.40	-141.89	2.11
49	7/27/2018 22:09	7/27/2018 22:13	0:04:40	-42.61	-145.11	502.89	-31.53	-128.78	498.27	-140.79	3.21
50	7/27/2018 22:15	7/27/2018 22:19	0:04:10	-27.05	-124.03	496.50	-15.16	-113.70	492.38	-141.24	2.76
51	7/27/2018 23:51	7/27/2018 23:57	0:06:39	-22.32	-143.57	494.87	-2.66	-128.50	489.50	-140.54	3.46
52	7/28/2018 1:30	7/28/2018 1:36	0:05:21	-6.59	-155.24	490.28	9.43	-143.87	488.17	-142.09	1.91
53	7/28/2018 3:09	7/28/2018 3:16	0:06:11	7.01	-169.57	488.28	25.02	-155.14	488.67	-140.33	3.67
54	7/28/2018 4:47	7/28/2018 4:55	0:08:19	17.46	174.36	488.09	39.67	-161.35	490.93	-141.40	2.60
55	7/28/2018 6:28	7/28/2018 6:34	0:06:31	34.52	167.27	489.88	47.97	-166.32	492.52	-141.59	2.41
56	7/28/2018 21:44	7/28/2018 21:54	0:10:20	-41.82	-142.91	502.55	-14.54	-112.53	492.20	-140.16	3.84
57	7/28/2018 23:26	7/28/2018 23:32	0:06:41	-21.72	-142.36	494.66	-2.03	-127.37	489.39	-141.93	2.07
58	7/29/2018 1:05	7/29/2018 1:11	0:05:30	-5.96	-154.11	490.15	10.56	-142.36	488.13	-141.72	2.28
59	7/29/2018 2:44	7/29/2018 2:46	0:02:01	8.14	-168.07	488.22	14.09	-163.65	488.06	-141.62	2.38
60	7/29/2018 2:48	7/29/2018 2:50	0:02:40	18.00	-160.57	488.15	25.61	-153.90	488.74	-139.79	4.21
61	7/29/2018 4:22	7/29/2018 4:25	0:03:00	18.56	175.94	488.15	27.07	-176.44	488.90	-139.76	4.24
62	7/29/2018 4:26	7/29/2018 4:30	0:04:29	29.34	-174.11	489.19	40.52	-159.24	491.10	-140.19	3.81
63	7/29/2018 6:02	7/29/2018 6:09	0:06:30	35.05	168.64	489.98	48.27	-164.58	492.59	-141.46	2.54
64	7/29/2018 21:15	7/29/2018 21:24	0:08:39	-37.41	-133.74	407.27	-13.16	-109.54	402.38	-139.95	4.05
65	7/30/2018 2:05	7/30/2018 2:08	0:03:39	-2.68	-172.42	409.12	8.52	-164.47	408.22	-140.07	3.93
66	7/30/2018 3:40	7/30/2018 3:46	0:06:00	6.82	170.82	408.27	24.66	-174.93	407.75	-140.08	3.92
67	7/30/2018 5:16	7/30/2018 5:22	0:05:51	16.70	154.76	407.79	33.19	170.60	407.58	-138.75	5.25
68	7/30/2018 5:22	7/30/2018 5:23	0:00:50	34.48	172.22	407.55	36.59	175.04	407.48	-140.70	3.30

Table 3 Departure (GN - 4M98G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m^2/4kHz)	PFD Non- Compliance (dB)
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Max. Exceedance: 5.25

Table 4 Departure (GN - 3M00G1D) PFD Exceedances

	Start Time	Stop Time	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non-Compliance (dB)
1	7/20/2018 23:40	7/20/2018 23:45	0:05:00	-31.11	-109.84	486.83	-17.09	-96.75	481.70	-140.89	3.11
2	7/21/2018 1:17	7/21/2018 1:28	0:10:40	-21.83	-124.62	483.48	9.96	-101.01	477.66	-140.81	3.19
3	7/21/2018 3:00	7/21/2018 3:06	0:05:51	4.54	-128.82	477.89	21.79	-115.54	478.53	-140.82	3.18
4	7/21/2018 4:39	7/21/2018 4:44	0:05:30	18.03	-142.62	478.11	33.28	-127.76	480.62	-140.82	3.18
5	7/21/2018 6:17	7/21/2018 6:24	0:06:40	30.75	-154.61	480.06	45.92	-129.85	484.02	-140.86	3.14
6	7/21/2018 7:55	7/21/2018 8:03	0:08:09	40.29	-165.56	482.38	51.66	-125.02	486.14	-140.90	3.10
7	7/21/2018 9:36	7/21/2018 9:41	0:05:10	50.64	-159.32	485.51	50.82	-129.25	486.32	-140.96	3.04
8	7/22/2018 0:49	7/22/2018 0:59	0:10:49	-24.04	-125.37	489.82	8.10	-101.14	480.15	-138.66	5.34
9	7/22/2018 2:32	7/22/2018 2:37	0:05:50	1.91	-129.48	481.16	19.27	-116.49	479.78	-138.66	5.34
10	7/22/2018 4:10	7/22/2018 4:16	0:05:30	15.21	-143.69	479.79	30.76	-129.51	480.79	-138.77	5.23
11	7/22/2018 5:50	7/22/2018 5:56	0:05:11	31.50	-152.61	480.90	43.65	-134.09	483.35	-138.95	5.05
12	7/22/2018 7:27	7/22/2018 7:35	0:08:21	37.67	-168.58	481.99	51.24	-129.51	485.74	-138.96	5.04
13	7/22/2018 9:08	7/22/2018 9:13	0:05:19	49.39	-164.87	484.88	51.47	-134.17	486.33	-139.46	4.54
14	7/23/2018 0:19	7/23/2018 0:30	0:10:49	-34.60	-135.90	499.54	-3.82	-108.77	489.55	-138.27	5.73
15	7/23/2018 2:02	7/23/2018 2:08	0:06:00	-10.24	-137.34	491.08	7.78	-124.52	488.17	-139.02	4.98
16	7/23/2018 3:41	7/23/2018 3:46	0:05:19	4.35	-150.93	488.46	20.13	-138.94	488.19	-138.80	5.20
17	7/23/2018 5:20	7/23/2018 5:26	0:06:20	17.31	-165.22	488.04	34.74	-147.95	489.96	-138.79	5.21
18	7/23/2018 6:58	7/23/2018 7:06	0:08:10	27.78	-179.81	488.90	46.58	-150.10	492.29	-139.29	4.71
19	7/23/2018 8:38	7/23/2018 8:44	0:05:39	42.90	177.18	491.40	51.03	-154.64	493.12	-139.29	4.71
20	7/23/2018 23:52	7/24/2018 0:03	0:10:51	-37.38	-139.01	500.70	-7.21	-110.51	490.27	-137.80	6.20
21	7/24/2018 1:35	7/24/2018 1:41	0:06:00	-13.59	-139.17	492.00	4.39	-126.27	488.47	-139.07	4.93
22	7/24/2018 3:14	7/24/2018 3:20	0:05:21	0.95	-152.64	488.88	16.85	-140.95	488.06	-139.34	4.66
23	7/24/2018 4:53	7/24/2018 5:00	0:06:20	13.99	-167.14	487.99	31.83	-150.81	489.51	-138.81	5.19
24	7/24/2018 6:31	7/24/2018 6:39	0:08:10	24.65	177.83	488.55	44.57	-154.58	491.88	-138.81	5.19
25	7/24/2018 8:12	7/24/2018 8:17	0:05:41	40.49	173.36	490.93	50.05	-160.27	492.93	-139.39	4.61
26	7/24/2018 23:26	7/24/2018 23:37	0:10:40	-39.62	-141.78	501.65	-10.59	-112.28	491.09	-137.22	6.78
27	7/25/2018 1:09	7/25/2018 1:15	0:06:20	-17.39	-141.46	493.17	1.49	-127.63	488.82	-136.85	7.15
28	7/25/2018 2:48	7/25/2018 2:53	0:05:19	-2.45	-154.35	489.43	13.53	-142.86	488.03	-138.63	5.37
29	7/25/2018 4:27	7/25/2018 4:33	0:06:11	10.64	-168.98	488.06	28.37	-153.90	489.03	-138.82	5.18
30	7/25/2018 6:05	7/25/2018 6:13	0:08:19	20.97	175.23	488.25	42.32	-158.67	491.43	-138.86	5.14
31	7/25/2018 7:45	7/25/2018 7:51	0:06:00	37.50	169.29	490.37	48.94	-164.73	492.70	-138.97	5.03
32	7/25/2018 23:00	7/25/2018 23:10	0:10:40	-42.09	-145.46	502.69	-13.93	-114.11	492.02	-138.71	5.29
33	7/26/2018 0:42	7/26/2018 0:48	0:05:40	-21.13	-143.89	494.43	-4.41	-131.10	489.81	-138.28	5.72
34	7/26/2018 0:48	7/26/2018 0:48	0:00:19	-2.91	-130.04	489.52	-1.91	-129.33	489.35	-141.28	2.72
35	7/26/2018 2:21	7/26/2018 2:22	0:00:50	-6.34	-156.43	490.20	-3.84	-154.65	489.70	-138.95	5.05
36	7/26/2018 2:23	7/26/2018 2:27	0:03:59	-1.83	-153.23	489.34	10.18	-144.68	488.11	-136.94	7.06
37	7/26/2018 4:00	7/26/2018 4:06	0:06:09	7.27	-170.75	488.24	25.26	-156.28	488.67	-136.98	7.02
38	7/26/2018 5:38	7/26/2018 5:46	0:08:21	17.71	173.19	488.08	39.86	-162.40	490.95	-138.83	5.17
39	7/26/2018 7:18	7/26/2018 7:24	0:06:09	34.31	165.64	489.82	47.34	-169.74	492.37	-138.89	5.11
40	7/26/2018 22:33	7/26/2018 22:44	0:10:41	-43.37	-147.35	503.22	-15.77	-114.86	492.57	-137.06	6.94
41	7/27/2018 0:16	7/27/2018 0:23	0:06:31	-22.44	-144.35	494.90	-3.29	-129.63	489.60	-137.83	6.17
42	7/27/2018 1:56	7/27/2018 2:01	0:05:19	-7.22	-156.37	490.41	8.81	-145.00	488.19	-137.45	6.55
43	7/27/2018 3:34	7/27/2018 3:41	0:06:11	6.39	-170.70	488.32	24.44	-156.37	488.60	-138.39	5.61
44	7/27/2018 5:12	7/27/2018 5:21	0:08:20	16.85	173.19	488.06	39.19	-162.80	490.83	-138.62	5.38
45	7/27/2018 6:53	7/27/2018 6:59	0:06:20	33.99	165.92	489.78	47.40	-168.86	492.40	-138.88	5.12
46	7/27/2018 22:09	7/27/2018 22:19	0:10:29	-42.61	-145.11	502.89	-15.16	-113.70	492.38	-137.78	6.22
47	7/27/2018 23:51	7/27/2018 23:57	0:06:39	-22.32	-143.57	494.87	-2.66	-128.50	489.50	-137.53	6.47
48	7/28/2018 1:30	7/28/2018 1:36	0:05:21	-6.59	-155.24	490.28	9.43	-143.87	488.17	-139.08	4.92
49	7/28/2018 3:09	7/28/2018 3:16	0:06:11	7.01	-169.57	488.28	25.02	-155.14	488.67	-137.32	6.68
50	7/28/2018 4:47	7/28/2018 4:55	0:08:19	17.46	174.36	488.09	39.67	-161.35	490.93	-138.39	5.61
51	7/28/2018 6:28	7/28/2018 6:34	0:06:31	34.52	167.27	489.88	47.97	-166.32	492.52	-138.58	5.42
52	7/28/2018 21:44	7/28/2018 21:54	0:10:20	-41.82	-142.91	502.55	-14.54	-112.53	492.20	-137.15	6.85
53	7/28/2018 23:26	7/28/2018 23:32	0:06:41	-21.72	-142.36	494.66	-2.03	-127.37	489.39	-138.92	5.08
54	7/29/2018 1:05	7/29/2018 1:11	0:05:30	-5.96	-154.11	490.15	10.56	-142.36	488.13	-138.71	5.29
55	7/29/2018 2:44	7/29/2018 2:50	0:06:00	8.14	-168.07	488.22	25.61	-153.90	488.74	-136.78	7.22
56	7/29/2018 4:22	7/29/2018 4:30	0:08:30	18.08	175.54	488.13	40.52	-159.24	491.10	-136.75	7.25
57	7/29/2018 6:02	7/29/2018 6:09	0:06:30	35.05	168.64	489.98	48.27	-164.58	492.59	-138.45	5.55
58	7/29/2018 21:15	7/29/2018 21:24	0:08:39	-37.41	-133.74	407.27	-13.16	-109.54	402.38	-136.94	7.06
59	7/30/2018 2:05	7/30/2018 2:08	0:03:39	-2.68	-172.42	409.12	8.52	-164.47	408.22	-137.06	6.94
60	7/30/2018 3:40	7/30/2018 3:46	0:06:00	6.82	170.82	408.27	24.66	-174.93	407.75	-137.07	6.93
61	7/30/2018 5:16	7/30/2018 5:23	0:07:10	16.70	154.76	407.79	36.59	175.04	407.48	-135.74	8.26

Max. Exceedance: 8.26 dB

Table 5 Departure (CLS - 5M93G1D) PFD Exceedances

	Start Time (GMT)	Stop Time (GMT)	Duration (h:mm:ss)	Start Lat (deg)	Start Lon (deg)	Start Alt (km)	Stop Lat (deg)	Stop Lon (deg)	Stop Alt (km)	Max PFD (dBW/m ² /4kHz)	PFD Non- Compliance (dB)
1	7/15/2018 12:35	7/15/2018 12:36	0:01:20	9.65	-72.37	407.38	5.58	-69.43	407.40	-142.46	1.54
2	7/15/2018 12:53	7/15/2018 12:54	0:01:20	-42.01	-24.14	419.62	-44.72	-18.43	420.71	-142.12	1.88
3	7/15/2018 12:56	7/15/2018 13:19	0:23:29	-47.34	-11.34	421.76	-15.26	91.62	411.51	-139.29	4.71
4	7/15/2018 13:41	7/15/2018 14:06	0:24:51	45.32	151.25	413.97	14.64	-99.67	407.62	-138.39	5.61
5	7/15/2018 14:08	7/15/2018 14:09	0:01:10	8.60	-95.14	407.40	5.04	-92.58	407.46	-142.46	1.54
6	7/15/2018 14:26	7/15/2018 14:27	0:01:29	-41.68	-48.31	419.57	-44.74	-41.92	420.79	-142.10	1.90
7	7/15/2018 14:28	7/15/2018 14:52	0:23:59	-47.09	-35.65	421.74	-14.22	68.87	411.28	-139.27	4.73
8	7/15/2018 15:14	7/15/2018 15:39	0:25:20	45.03	126.99	414.00	13.61	-122.42	407.67	-138.40	5.60
9	7/15/2018 15:41	7/15/2018 15:42	0:01:19	8.06	-118.30	407.51	3.98	-115.38	407.61	-142.45	1.55
10	7/15/2018 15:58	7/15/2018 15:59	0:01:20	-41.70	-71.82	419.59	-44.44	-66.16	420.68	-142.07	1.93
11	7/15/2018 16:01	7/15/2018 16:25	0:24:10	-47.11	-59.15	421.74	-13.69	45.73	411.10	-139.26	4.74
12	7/15/2018 16:46	7/15/2018 17:12	0:25:30	45.05	103.49	414.00	13.08	-145.57	407.71	-138.42	5.58
13	7/15/2018 17:14	7/15/2018 17:15	0:01:20	7.01	-141.09	407.57	2.93	-138.19	407.71	-142.53	1.47
14	7/15/2018 17:31	7/15/2018 17:32	0:01:31	-41.36	-96.00	419.40	-44.46	-89.66	420.63	-142.10	1.90
15	7/15/2018 17:34	7/15/2018 17:48	0:14:10	-47.13	-82.64	421.68	-40.85	-7.12	419.71	-139.25	4.75
16	7/15/2018 17:49	7/15/2018 18:04	0:14:59	-38.55	-3.32	418.86	4.67	35.39	409.59	-139.15	4.85
17	7/15/2018 18:05	7/15/2018 18:05	0:00:41	7.22	37.22	410.04	9.25	38.70	410.52	-137.88	6.12
18	7/15/2018 18:19	7/15/2018 18:35	0:16:19	45.38	80.77	439.43	38.50	164.95	475.16	-136.60	7.40
19	7/15/2018 18:36	7/15/2018 18:50	0:13:51	36.50	167.87	476.13	-2.95	-157.70	483.21	-139.92	4.08
20	7/15/2018 18:51	7/15/2018 18:51	0:00:09	-6.46	-155.20	483.73	-6.96	-154.85	483.82	-143.43	0.57
21	7/15/2018 19:04	7/15/2018 19:05	0:00:39	-42.11	-118.30	493.82	-43.48	-115.55	494.26	-143.61	0.39
22	7/15/2018 19:09	7/15/2018 19:15	0:06:20	-49.40	-98.06	495.99	-50.87	-61.73	495.47	-140.62	3.38

Max. Exceedance: 7.40 dB