

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	10/3/2020 1:25	10/3/2020 1:43	0:18:09	24.06	-58.97	177.99	-32.51	-12.93	230.75	-135.43	8.57
2	10/3/2020 1:46	10/3/2020 2:05	0:19:50	-39.83	-2.72	244.05	-34.64	98.27	290.85	-137.36	6.64
3	10/3/2020 2:08	10/3/2020 2:15	0:06:50	-26.83	107.04	288.31	-6.07	123.95	277.26	-139.12	4.88
4	10/3/2020 2:16	10/3/2020 2:41	0:25:31	-4.50	125.07	276.28	51.25	-136.53	220.73	-135.76	8.24
5	10/3/2020 2:50	10/3/2020 2:56	0:05:30	33.72	-91.92	205.68	17.46	-75.97	204.50	-136.48	7.52
6	10/3/2020 2:59	10/3/2020 3:27	0:27:47	8.51	-69.12	207.06	-50.37	38.77	292.75	-137.44	6.56
7	10/3/2020 3:29	10/3/2020 3:34	0:04:40	-46.45	53.98	293.55	-36.20	73.51	290.11	-138.63	5.37
8	10/3/2020 3:34	10/3/2020 3:44	0:09:51	-34.90	75.25	289.43	-5.81	101.45	268.58	-139.16	4.84
9	10/3/2020 3:45	10/3/2020 3:47	0:02:00	-4.24	102.58	267.31	2.08	107.05	262.23	-137.60	6.40
10	10/3/2020 3:50	10/3/2020 4:12	0:22:19	10.49	113.11	255.52	49.74	-149.25	212.36	-135.37	8.63
11	10/3/2020 4:25	10/3/2020 5:03	0:37:49	17.99	-99.06	209.57	-37.71	48.63	290.70	-137.40	6.60
12	10/3/2020 5:06	10/3/2020 5:11	0:05:30	-30.22	58.11	286.58	-13.94	72.73	274.96	-139.68	4.32
13	10/3/2020 5:12	10/3/2020 5:17	0:05:20	-12.39	73.91	273.75	4.39	85.97	260.38	-137.99	6.01
14	10/3/2020 5:20	10/3/2020 5:48	0:28:50	13.29	92.50	253.35	34.44	-138.21	206.87	-135.46	8.54
15	10/3/2020 5:54	10/3/2020 6:40	0:45:20	17.27	-121.20	209.82	-15.79	48.58	276.27	-137.14	6.86
16	10/3/2020 6:42	10/3/2020 6:55	0:12:31	-6.98	55.19	269.39	31.39	86.23	239.50	-138.14	5.86
17	10/3/2020 6:58	10/3/2020 7:15	0:17:31	38.86	96.16	233.66	40.63	-170.13	207.77	-135.60	8.40
18	10/3/2020 7:30	10/3/2020 8:09	0:39:59	-1.48	-130.09	221.02	-14.04	27.23	274.77	-137.40	6.60
19	10/3/2020 8:10	10/3/2020 8:23	0:12:59	-11.97	28.80	273.18	28.28	60.14	241.89	-138.46	5.54
20	10/3/2020 8:42	10/3/2020 9:09	0:26:50	46.14	155.34	209.86	-32.19	-126.83	254.44	-136.08	7.92
21	10/3/2020 10:05	10/3/2020 10:20	0:14:21	51.80	98.03	217.68	24.80	164.13	207.29	-135.93	8.07
22	10/3/2020 10:43	10/3/2020 11:08	0:25:21	-43.44	-132.23	270.10	-14.10	-18.25	274.62	-138.07	5.93
23	10/3/2020 11:09	10/3/2020 11:20	0:10:51	-12.04	-16.68	273.05	21.82	8.60	246.83	-138.84	5.16
24	10/3/2020 11:22	10/3/2020 12:10	0:47:21	30.12	16.67	240.58	-38.26	-164.19	262.06	-135.59	8.41
25	10/3/2020 12:13	10/3/2020 12:17	0:04:59	-44.61	-152.34	271.51	-51.30	-125.33	284.59	-137.96	6.04
26	10/3/2020 12:20	10/3/2020 12:37	0:17:09	-51.63	-108.96	289.02	-13.86	-40.77	274.28	-138.20	5.80
27	10/3/2020 12:38	10/3/2020 13:03	0:25:30	-12.31	-39.59	273.11	51.72	49.37	218.58	-135.77	8.23
28	10/3/2020 13:06	10/3/2020 13:40	0:33:21	50.96	67.07	214.27	-39.71	175.40	268.23	-135.86	8.14
29	10/3/2020 13:42	10/3/2020 13:52	0:09:41	-45.77	-172.18	282.39	-49.63	-116.36	335.79	-138.73	5.27
30	10/3/2020 13:53	10/3/2020 13:53	0:00:00	-48.79	-112.72	339.39	-48.79	-112.72	339.39	-143.95	0.05
31	10/3/2020 13:53	10/3/2020 13:53	0:00:00	-47.82	-109.21	342.93	-47.82	-109.21	342.93	-143.92	0.08
32	10/3/2020 13:54	10/3/2020 13:58	0:04:01	-47.03	-106.68	345.56	-38.82	-89.34	365.18	-139.81	4.19
33	10/3/2020 13:58	10/3/2020 14:01	0:02:19	-37.61	-87.51	367.44	-31.61	-79.75	377.32	-142.12	1.88
34	10/3/2020 14:02	10/3/2020 14:04	0:01:51	-28.42	-76.29	381.83	-23.23	-71.29	388.31	-142.63	1.37
35	10/3/2020 14:04	10/3/2020 14:05	0:00:11	-20.82	-69.16	390.99	-20.33	-68.75	391.51	-143.79	0.21
36	10/3/2020 14:15	10/3/2020 14:15	0:00:30	10.86	-45.74	409.53	12.37	-44.61	409.64	-142.76	1.24
37	10/3/2020 14:18	10/3/2020 14:18	0:00:00	18.80	-39.56	409.25	18.80	-39.56	409.25	-143.93	0.07
38	10/3/2020 14:18	10/3/2020 14:36	0:17:02	21.23	-37.51	408.71	51.66	36.07	348.31	-140.57	3.43
39	10/3/2020 14:38	10/3/2020 15:09	0:30:49	49.48	52.62	331.15	-36.51	147.43	263.01	-136.92	7.08
40	10/3/2020 15:13	10/3/2020 15:26	0:12:29	-45.56	164.15	282.13	-45.47	-125.54	351.13	-139.02	4.98
41	10/3/2020 15:28	10/3/2020 15:30	0:01:10	-39.87	-114.18	364.20	-37.07	-109.86	369.51	-141.19	2.81
42	10/3/2020 15:30	10/3/2020 15:37	0:06:20	-35.40	-107.56	372.43	-17.73	-89.73	395.22	-141.51	2.49
43	10/3/2020 15:38	10/3/2020 15:39	0:01:00	-12.26	-85.47	400.02	-9.24	-83.23	402.27	-143.27	0.73
44	10/3/2020 15:52	10/3/2020 15:53	0:00:50	28.43	-53.87	405.94	30.70	-51.45	404.42	-142.80	1.20
45	10/3/2020 15:54	10/3/2020 15:55	0:00:59	33.78	-47.83	401.91	36.32	-44.51	399.39	-142.62	1.38
46	10/3/2020 16:26	10/3/2020 16:47	0:21:21	6.43	87.17	246.15	-50.27	158.10	299.44	-137.11	6.89
47	10/3/2020 16:50	10/3/2020 17:01	0:10:31	-51.79	175.17	315.53	-36.54	-132.24	370.32	-140.58	3.42
48	10/3/2020 17:01	10/3/2020 17:05	0:03:41	-35.28	-130.52	372.50	-25.34	-119.50	386.83	-141.58	2.42
49	10/3/2020 17:08	10/3/2020 17:08	0:00:00	-17.10	-112.35	395.78	-17.10	-112.35	395.78	-143.95	0.05
50	10/3/2020 17:09	10/3/2020 17:11	0:01:10	-12.11	-108.49	400.11	-8.59	-105.89	402.71	-142.97	1.03
51	10/3/2020 17:49	10/3/2020 18:03	0:14:20	31.07	42.88	279.26	-13.38	78.34	241.49	-138.59	5.41
52	10/3/2020 18:06	10/3/2020 18:32	0:25:39	-22.14	85.50	245.91	-36.42	-155.20	370.32	-137.37	6.63
53	10/3/2020 18:32	10/3/2020 18:39	0:06:30	-35.15	-153.49	372.50	-16.95	-135.36	395.80	-141.55	2.45
54	10/3/2020 18:40	10/3/2020 18:42	0:01:20	-11.97	-131.51	400.14	-7.94	-128.55	403.09	-142.74	1.26
55	10/3/2020 18:54	10/3/2020 18:55	0:01:20	27.32	-101.27	406.89	30.96	-97.42	404.55	-142.46	1.54
56	10/3/2020 18:56	10/3/2020 19:02	0:06:31	33.60	-94.32	402.41	47.60	-67.97	380.46	-140.60	3.40
57	10/3/2020 19:03	10/3/2020 19:10	0:06:39	48.34	-65.41	378.22	51.09	-26.46	342.35	-140.01	3.99
58	10/3/2020 19:17	10/3/2020 19:33	0:16:39	39.61	8.26	298.66	-10.37	52.94	240.79	-138.43	5.57
59	10/3/2020 19:36	10/3/2020 19:48	0:11:50	-19.23	59.87	243.81	-48.56	103.99	290.95	-137.59	6.41
60	10/3/2020 19:51	10/3/2020 20:03	0:12:01	-51.38	120.32	306.81	-36.29	-178.15	370.13	-139.63	4.37

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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)
61	10/3/2020 20:03	10/3/2020 20:14	0:11:09	-35.02	-176.45	372.32	-2.71	-147.95	406.03	-141.53	2.47
62	10/3/2020 20:17	10/3/2020 20:19	0:01:29	5.91	-141.85	409.68	10.46	-138.56	411.06	-143.97	0.03
63	10/3/2020 20:30	10/3/2020 20:33	0:02:49	42.14	-104.47	416.13	47.44	-91.60	417.11	-141.39	2.61
64	10/3/2020 20:34	10/3/2020 20:41	0:06:40	48.89	-86.46	417.38	50.85	-47.70	417.51	-141.14	2.86
65	10/3/2020 20:42	10/3/2020 20:46	0:04:01	50.26	-43.91	417.35	44.24	-23.76	415.91	-143.21	0.79
66	10/3/2020 20:46	10/3/2020 20:49	0:03:11	42.89	-20.88	415.60	35.55	-8.92	414.08	-142.62	1.38
67	10/3/2020 20:50	10/3/2020 20:57	0:06:50	34.27	-7.26	413.84	14.96	11.29	411.79	-141.74	2.26
68	10/3/2020 20:57	10/3/2020 20:58	0:00:31	12.96	12.83	411.78	11.45	13.97	411.80	-143.70	0.30
69	10/3/2020 20:59	10/3/2020 20:59	0:00:00	6.89	17.30	412.01	6.89	17.30	412.01	-143.91	0.09
70	10/3/2020 21:00	10/3/2020 21:00	0:00:11	4.35	19.11	412.23	3.84	19.48	412.29	-143.49	0.51
71	10/3/2020 21:03	10/3/2020 21:03	0:00:00	-4.84	25.60	413.64	-4.84	25.60	413.64	-143.19	0.81
72	10/3/2020 21:06	10/3/2020 21:09	0:03:30	-11.93	30.76	415.37	-22.29	39.12	418.76	-142.76	1.24
73	10/3/2020 21:10	10/3/2020 21:12	0:02:51	-23.73	40.41	419.30	-31.59	48.39	422.47	-142.20	1.80
74	10/3/2020 21:14	10/3/2020 21:15	0:01:31	-35.48	53.19	424.15	-39.13	58.50	425.76	-142.99	1.01
75	10/3/2020 21:17	10/3/2020 21:19	0:02:11	-42.47	64.39	427.25	-46.60	74.08	429.09	-142.24	1.76
76	10/3/2020 21:21	10/3/2020 21:22	0:00:39	-49.28	83.40	430.29	-50.04	87.03	430.63	-142.96	1.04
77	10/3/2020 21:22	10/3/2020 21:29	0:06:29	-50.67	90.77	430.92	-49.41	128.59	430.70	-142.15	1.85
78	10/3/2020 21:30	10/3/2020 21:31	0:01:31	-48.32	132.98	430.28	-45.92	140.35	429.34	-142.97	1.03
79	10/3/2020 21:33	10/3/2020 21:33	0:00:30	-43.04	147.03	428.17	-41.99	149.10	427.74	-141.93	2.07
80	10/3/2020 21:34	10/3/2020 21:34	0:00:31	-40.15	152.40	426.99	-38.99	154.28	426.51	-143.18	0.82
81	10/3/2020 21:37	10/3/2020 21:40	0:02:21	-31.88	163.84	423.61	-25.46	170.54	421.12	-142.69	1.31
82	10/3/2020 21:40	10/3/2020 21:43	0:02:10	-23.09	172.73	420.25	-16.75	178.09	418.12	-143.10	0.90
83	10/3/2020 21:44	10/3/2020 21:45	0:00:11	-11.25	-177.69	416.52	-10.75	-177.32	416.39	-143.64	0.36
84	10/3/2020 21:46	10/3/2020 21:46	0:00:00	-7.72	-175.10	415.64	-7.72	-175.10	415.64	-143.97	0.03
85	10/3/2020 22:03	10/3/2020 22:06	0:03:11	41.21	-129.77	415.94	47.30	-115.64	417.07	-141.43	2.57
86	10/3/2020 22:07	10/3/2020 22:08	0:00:58	48.98	-109.64	417.38	50.12	-104.31	418.20	-141.26	2.74
87	10/3/2020 22:21	10/3/2020 22:22	0:01:40	39.47	-38.26	415.65	35.42	-32.32	414.84	-143.25	0.75
88	10/3/2020 22:23	10/3/2020 22:30	0:06:41	33.71	-30.13	414.52	14.81	-12.16	412.41	-141.67	2.33
89	10/3/2020 22:30	10/3/2020 22:31	0:00:30	12.81	-10.63	412.38	11.30	-9.50	412.39	-143.62	0.38
90	10/3/2020 22:32	10/3/2020 22:33	0:01:01	6.74	-6.17	412.55	3.69	-3.99	412.79	-143.67	0.33
91	10/3/2020 22:35	10/3/2020 22:36	0:01:31	-0.90	-0.75	413.35	-5.49	2.49	414.14	-143.12	0.88
92	10/3/2020 22:41	10/3/2020 22:43	0:02:10	-19.03	12.76	417.72	-25.29	18.29	419.91	-143.16	0.84
93	10/3/2020 22:43	10/3/2020 22:45	0:01:40	-26.70	19.65	420.44	-31.27	24.46	422.23	-142.25	1.75
94	10/3/2020 22:47	10/3/2020 22:48	0:01:31	-35.60	29.78	424.01	-39.24	35.11	425.54	-142.96	1.04
95	10/3/2020 22:50	10/3/2020 22:52	0:02:11	-42.57	41.02	426.95	-46.68	50.74	428.69	-142.06	1.94
96	10/3/2020 22:54	10/3/2020 22:54	0:00:40	-49.34	60.09	429.81	-50.09	63.73	430.12	-143.19	0.81
97	10/3/2020 22:55	10/3/2020 23:01	0:06:30	-50.71	67.48	430.38	-49.35	105.29	429.95	-142.23	1.77
98	10/3/2020 23:02	10/3/2020 23:04	0:01:31	-48.25	109.66	429.51	-45.83	117.02	428.55	-142.97	1.03
99	10/3/2020 23:05	10/3/2020 23:06	0:00:31	-42.93	123.67	427.37	-41.88	125.74	426.94	-142.38	1.62
100	10/3/2020 23:06	10/3/2020 23:09	0:02:10	-40.78	127.73	426.49	-35.62	135.61	424.39	-142.55	1.45
101	10/3/2020 23:09	10/3/2020 23:12	0:03:20	-33.92	137.81	423.70	-24.84	147.55	420.23	-142.47	1.53
102	10/3/2020 23:13	10/3/2020 23:15	0:02:10	-22.93	149.30	419.55	-16.59	154.64	417.49	-142.95	1.05
103	10/3/2020 23:17	10/3/2020 23:17	0:00:11	-11.09	158.86	415.97	-10.59	159.23	415.85	-143.86	0.14
104	10/3/2020 23:29	10/3/2020 23:31	0:02:00	25.50	-173.31	413.75	31.03	-167.61	414.52	-142.63	1.37
105	10/3/2020 23:32	10/3/2020 23:34	0:02:21	32.81	-165.55	414.81	38.66	-157.61	415.88	-142.74	1.26
106	10/4/2020 0:00	10/4/2020 0:02	0:02:09	22.94	-42.48	413.05	16.59	-37.13	412.59	-142.94	1.06
107	10/4/2020 0:02	10/4/2020 0:02	0:00:11	15.09	-35.96	412.53	14.60	-35.57	412.52	-143.02	0.98
108	10/4/2020 0:03	10/4/2020 0:04	0:00:41	12.59	-34.04	412.50	10.58	-32.53	412.51	-143.65	0.35
109	10/4/2020 0:05	10/4/2020 0:06	0:00:50	6.01	-29.22	412.72	3.47	-27.41	412.93	-143.46	0.54
110	10/4/2020 0:08	10/4/2020 0:09	0:01:31	-1.63	-23.81	413.57	-6.22	-20.56	414.40	-143.02	0.98
111	10/4/2020 0:11	10/4/2020 0:11	0:00:00	-13.29	-15.36	416.10	-13.29	-15.36	416.10	-143.89	0.11
112	10/4/2020 0:31	10/4/2020 0:34	0:02:50	-51.58	66.00	430.83	-49.26	82.10	429.94	-143.22	0.78
113	10/4/2020 0:35	10/4/2020 0:37	0:01:31	-48.14	86.46	429.49	-45.70	93.77	428.51	-142.98	1.02
114	10/4/2020 0:38	10/4/2020 0:39	0:00:30	-42.79	100.39	427.31	-41.72	102.45	426.87	-142.73	1.27
115	10/4/2020 0:39	10/4/2020 0:39	0:00:00	-40.62	104.44	426.42	-40.62	104.44	426.42	-143.85	0.15
116	10/4/2020 0:40	10/4/2020 0:41	0:01:40	-39.48	106.35	425.94	-35.44	112.27	424.29	-142.47	1.53
117	10/4/2020 0:42	10/4/2020 0:45	0:03:21	-33.74	114.46	423.60	-24.64	124.17	420.10	-142.22	1.78
118	10/4/2020 0:46	10/4/2020 0:48	0:02:10	-22.73	125.91	419.43	-16.38	131.23	417.36	-142.77	1.23
119	10/4/2020 1:02	10/4/2020 1:04	0:01:50	25.70	163.31	413.69	30.78	168.53	414.39	-142.14	1.86
120	10/4/2020 1:05	10/4/2020 1:07	0:02:10	32.99	171.10	414.75	38.43	178.47	415.75	-142.65	1.35

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121	10/4/2020 1:10	10/4/2020 1:12	0:01:40	44.58	-170.05	417.02	47.49	-162.16	417.65	-141.27	2.73
122	10/4/2020 1:13	10/4/2020 1:14	0:01:10	49.14	-156.12	418.00	50.42	-149.70	418.28	-141.30	2.70
123	10/4/2020 1:14	10/4/2020 1:17	0:02:30	50.85	-146.85	418.37	51.79	-132.04	418.55	-141.45	2.55
124	10/4/2020 1:17	10/4/2020 1:19	0:02:00	51.74	-129.04	418.53	50.69	-117.28	418.27	-143.62	0.38
125	10/4/2020 1:20	10/4/2020 1:21	0:01:00	50.06	-113.52	418.12	48.88	-108.10	417.85	-143.39	0.61
126	10/4/2020 1:36	10/4/2020 1:37	0:00:11	10.36	-55.95	412.58	9.85	-55.57	412.59	-143.51	0.49
127	10/4/2020 1:38	10/4/2020 1:39	0:00:51	5.79	-52.64	412.80	3.25	-50.83	413.03	-143.27	0.73
128	10/4/2020 1:41	10/4/2020 1:42	0:01:31	-2.37	-46.87	413.78	-6.95	-43.61	414.64	-142.87	1.13
129	10/4/2020 2:13	10/4/2020 2:14	0:01:29	-38.93	83.66	425.77	-35.26	88.94	424.25	-142.47	1.53
130	10/4/2020 2:15	10/4/2020 2:18	0:03:11	-33.12	91.65	423.38	-24.44	100.78	420.02	-142.19	1.81
131	10/4/2020 2:19	10/4/2020 2:21	0:02:10	-22.52	102.52	419.34	-16.17	107.83	417.26	-142.68	1.32
132	10/4/2020 2:23	10/4/2020 2:24	0:00:11	-8.64	113.51	415.25	-8.13	113.88	415.14	-143.96	0.04
133	10/4/2020 2:35	10/4/2020 2:37	0:02:11	24.96	139.03	413.45	30.97	145.18	414.25	-141.88	2.12
134	10/4/2020 2:38	10/4/2020 2:40	0:02:49	33.18	147.76	414.61	40.16	157.67	415.91	-142.55	1.45
135	10/4/2020 2:41	10/4/2020 2:44	0:03:00	41.64	160.30	416.21	47.34	173.80	417.42	-141.02	2.98
136	10/4/2020 2:45	10/4/2020 2:47	0:01:11	49.23	-179.31	417.83	50.49	-172.87	418.10	-141.17	2.83
137	10/4/2020 2:47	10/4/2020 2:50	0:02:30	50.91	-170.01	418.18	51.79	-155.18	418.36	-141.45	2.55
138	10/4/2020 2:50	10/4/2020 2:52	0:02:01	51.72	-152.18	418.34	50.62	-140.44	418.09	-143.59	0.41
139	10/4/2020 2:53	10/4/2020 2:57	0:04:01	49.98	-136.69	417.94	43.71	-116.88	416.54	-143.22	0.78
140	10/4/2020 2:57	10/4/2020 3:01	0:03:11	42.33	-114.05	416.25	34.87	-102.32	414.76	-142.52	1.48
141	10/4/2020 3:01	10/4/2020 3:08	0:06:11	33.14	-100.15	414.45	15.66	-83.54	412.58	-141.74	2.26
142	10/4/2020 3:08	10/4/2020 3:08	0:00:30	14.16	-82.38	412.55	12.66	-81.23	412.54	-143.46	0.54
143	10/4/2020 3:09	10/4/2020 3:10	0:00:30	10.64	-79.73	412.56	9.13	-78.61	412.61	-143.17	0.83
144	10/4/2020 3:11	10/4/2020 3:12	0:00:30	4.55	-75.33	412.91	3.02	-74.24	413.06	-143.28	0.72
145	10/4/2020 3:14	10/4/2020 3:15	0:00:31	-5.64	-68.12	414.39	-7.17	-67.03	414.71	-143.01	0.99
146	10/4/2020 3:17	10/4/2020 3:18	0:00:20	-14.22	-61.79	416.49	-15.22	-61.02	416.78	-143.91	0.09
147	10/4/2020 3:19	10/4/2020 3:20	0:01:49	-17.70	-59.05	417.53	-23.05	-54.49	419.34	-143.19	0.81
148	10/4/2020 3:22	10/4/2020 3:23	0:01:49	-26.37	-51.39	420.56	-31.40	-46.11	422.52	-142.16	1.84
149	10/4/2020 3:25	10/4/2020 3:27	0:01:40	-35.31	-41.33	424.12	-39.36	-35.43	425.81	-142.88	1.12
150	10/4/2020 3:28	10/4/2020 3:30	0:02:10	-42.67	-29.50	427.22	-46.76	-19.74	428.93	-141.94	2.06
151	10/4/2020 3:32	10/4/2020 3:33	0:00:29	-49.59	-9.47	430.11	-50.14	-6.72	430.33	-143.30	0.70
152	10/4/2020 3:33	10/4/2020 3:39	0:05:01	-50.88	-2.01	430.64	-50.67	27.45	430.59	-142.10	1.90
153	10/4/2020 3:41	10/4/2020 3:42	0:01:00	-47.16	42.54	429.18	-45.44	47.29	428.48	-142.98	1.02
154	10/4/2020 3:44	10/4/2020 3:44	0:00:09	-42.13	54.53	427.10	-41.77	55.21	426.95	-143.35	0.65
155	10/4/2020 3:45	10/4/2020 3:45	0:00:00	-40.30	57.85	426.34	-40.30	57.85	426.34	-143.97	0.03
156	10/4/2020 3:45	10/4/2020 3:47	0:01:21	-38.76	60.36	425.69	-35.50	65.05	424.34	-142.65	1.35
157	10/4/2020 3:48	10/4/2020 3:51	0:03:20	-32.93	68.30	423.29	-23.75	77.84	419.76	-142.33	1.67
158	10/4/2020 3:52	10/4/2020 3:52	0:00:09	-22.31	79.13	419.25	-21.83	79.55	419.08	-143.80	0.20
159	10/4/2020 3:56	10/4/2020 3:57	0:00:20	-8.42	90.10	415.17	-7.41	90.83	414.94	-143.95	0.05
160	10/4/2020 4:07	10/4/2020 4:10	0:02:19	24.69	115.21	413.42	31.16	121.82	414.30	-141.76	2.24
161	10/4/2020 4:10	10/4/2020 4:13	0:02:51	33.37	124.41	414.67	40.32	134.38	415.98	-142.42	1.58
162	10/4/2020 4:14	10/4/2020 4:17	0:02:50	42.16	137.71	416.36	47.46	150.59	417.49	-140.92	3.08
163	10/4/2020 4:18	10/4/2020 4:19	0:00:59	49.32	157.51	417.90	50.40	163.03	418.13	-140.98	3.02
164	10/4/2020 4:20	10/4/2020 4:23	0:02:30	50.96	166.84	418.25	51.78	-178.32	418.42	-141.45	2.55
165	10/4/2020 4:26	10/4/2020 4:30	0:03:59	49.90	-159.87	417.98	43.56	-140.14	416.57	-143.21	0.79
166	10/4/2020 4:30	10/4/2020 4:33	0:03:09	42.17	-137.33	416.27	34.68	-125.65	414.78	-142.48	1.52
167	10/4/2020 4:34	10/4/2020 4:41	0:06:20	32.95	-123.50	414.48	14.94	-106.56	412.63	-141.81	2.19
168	10/4/2020 4:41	10/4/2020 4:41	0:00:21	13.44	-105.40	412.61	12.44	-104.64	412.61	-143.29	0.71
169	10/4/2020 4:42	10/4/2020 4:43	0:00:31	10.42	-103.14	412.64	8.91	-102.03	412.69	-143.18	0.82
170	10/4/2020 4:44	10/4/2020 4:45	0:00:41	4.33	-98.74	413.00	2.29	-97.30	413.21	-143.23	0.77
171	10/4/2020 4:46	10/4/2020 4:48	0:01:20	-3.32	-93.34	414.03	-7.39	-90.44	414.84	-143.27	0.73
172	10/4/2020 4:51	10/4/2020 4:53	0:01:51	-17.91	-82.45	417.69	-23.26	-77.88	419.51	-143.18	0.82
173	10/4/2020 4:54	10/4/2020 4:56	0:02:01	-26.10	-75.22	420.56	-31.59	-69.46	422.70	-141.99	2.01
174	10/4/2020 4:58	10/4/2020 5:13	0:15:10	-35.49	-64.66	424.30	-48.98	12.52	429.99	-142.30	1.70
175	10/4/2020 5:14	10/4/2020 5:15	0:01:31	-47.82	16.82	429.51	-45.30	24.04	428.47	-142.97	1.03
176	10/4/2020 5:17	10/4/2020 5:17	0:00:10	-41.97	31.24	427.06	-41.61	31.91	426.91	-143.63	0.37
177	10/4/2020 5:18	10/4/2020 5:20	0:01:10	-38.18	37.64	425.46	-35.31	41.70	424.26	-142.86	1.14
178	10/4/2020 5:21	10/4/2020 5:21	0:00:20	-32.29	45.46	423.01	-31.40	46.48	422.65	-143.18	0.82
179	10/4/2020 5:24	10/4/2020 5:27	0:03:20	-23.53	54.43	419.60	-13.73	62.54	416.37	-142.91	1.09
180	10/4/2020 5:29	10/4/2020 5:29	0:00:11	-8.69	66.29	415.04	-8.18	66.66	414.92	-143.98	0.02

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)
181	10/4/2020 5:40	10/4/2020 5:40	0:00:11	24.91	91.81	413.03	25.39	92.25	413.09	-143.84	0.16
182	10/4/2020 5:41	10/4/2020 5:42	0:01:21	27.26	94.08	413.31	30.92	97.95	413.82	-142.08	1.92
183	10/4/2020 5:43	10/4/2020 5:46	0:03:00	33.14	100.52	414.18	40.50	111.07	415.54	-142.24	1.76
184	10/4/2020 5:47	10/4/2020 5:50	0:02:40	42.33	114.42	415.91	47.32	126.54	416.97	-141.37	2.63
185	10/4/2020 5:51	10/4/2020 5:52	0:01:01	49.42	134.33	417.42	50.48	139.87	417.65	-141.09	2.91
186	10/4/2020 5:53	10/4/2020 5:55	0:02:39	50.90	142.72	417.74	51.78	158.55	417.93	-141.43	2.57
187	10/4/2020 5:56	10/4/2020 5:58	0:02:00	51.68	161.54	417.91	50.49	173.24	417.64	-143.57	0.43
188	10/4/2020 5:59	10/4/2020 6:02	0:03:59	49.82	176.96	417.49	43.40	-163.40	416.09	-143.20	0.80
189	10/4/2020 6:03	10/4/2020 6:06	0:03:09	42.00	-160.61	415.80	34.48	-149.00	414.34	-142.41	1.59
190	10/4/2020 6:07	10/4/2020 6:13	0:06:20	32.74	-146.86	414.05	14.70	-129.98	412.31	-141.79	2.21
191	10/4/2020 6:14	10/4/2020 6:14	0:00:20	13.20	-128.83	412.30	12.20	-128.07	412.31	-143.01	0.99
192	10/4/2020 6:15	10/4/2020 6:16	0:00:41	10.18	-126.57	412.35	8.16	-125.09	412.44	-143.02	0.98
193	10/4/2020 6:17	10/4/2020 6:17	0:00:30	3.58	-121.82	412.81	2.05	-120.73	412.99	-143.15	0.85
194	10/4/2020 6:19	10/4/2020 6:21	0:01:20	-3.57	-116.78	413.85	-7.63	-113.87	414.69	-143.48	0.52
195	10/4/2020 6:25	10/4/2020 6:25	0:00:09	-19.13	-105.06	417.94	-19.62	-104.65	418.11	-143.69	0.31
196	10/4/2020 6:25	10/4/2020 6:26	0:00:40	-21.08	-103.41	418.61	-23.01	-101.71	419.29	-143.28	0.72
197	10/4/2020 6:27	10/4/2020 6:29	0:02:19	-25.39	-99.52	420.17	-31.81	-92.83	422.69	-141.75	2.25
198	10/4/2020 6:30	10/4/2020 6:32	0:01:50	-35.27	-88.56	424.13	-39.71	-82.04	426.00	-142.75	1.25
199	10/4/2020 6:34	10/4/2020 6:36	0:01:59	-42.99	-76.04	427.40	-46.74	-66.99	428.98	-142.03	1.97
200	10/4/2020 6:38	10/4/2020 6:38	0:00:29	-49.58	-56.72	430.15	-50.12	-53.98	430.38	-143.38	0.62
201	10/4/2020 6:39	10/4/2020 6:46	0:06:31	-50.99	-48.31	430.73	-48.88	-10.66	429.89	-142.35	1.65
202	10/4/2020 6:47	10/4/2020 6:48	0:01:29	-47.70	-6.37	429.41	-45.16	0.81	428.35	-142.95	1.05
203	10/4/2020 6:50	10/4/2020 6:50	0:00:11	-41.80	7.97	426.93	-41.44	8.64	426.78	-143.84	0.16
204	10/4/2020 6:51	10/4/2020 6:52	0:01:00	-38.00	14.34	425.32	-35.54	17.82	424.29	-142.82	1.18
205	10/4/2020 6:54	10/4/2020 6:56	0:02:30	-32.09	22.12	422.87	-25.22	29.30	420.17	-142.17	1.83
206	10/4/2020 6:57	10/4/2020 6:57	0:00:00	-23.32	31.05	419.46	-23.32	31.05	419.46	-143.99	0.01
207	10/4/2020 6:59	10/4/2020 7:00	0:00:41	-15.50	37.60	416.85	-13.50	39.14	416.26	-143.45	0.55
208	10/4/2020 7:01	10/4/2020 7:01	0:00:00	-9.47	42.15	415.20	-9.47	42.15	415.20	-143.87	0.13
209	10/4/2020 7:13	10/4/2020 7:13	0:00:11	25.13	68.43	413.06	25.60	68.88	413.11	-143.83	0.17
210	10/4/2020 7:14	10/4/2020 7:15	0:00:59	28.40	71.66	413.47	31.13	74.60	413.86	-142.12	1.88
211	10/4/2020 7:16	10/4/2020 7:19	0:03:00	33.34	77.19	414.22	40.67	87.80	415.59	-142.35	1.65
212	10/4/2020 7:20	10/4/2020 7:23	0:02:50	42.13	90.47	415.88	47.44	103.34	417.01	-141.28	2.72
213	10/4/2020 7:24	10/4/2020 7:24	0:00:09	49.31	110.26	417.42	49.51	111.16	417.46	-142.60	1.40
214	10/4/2020 7:27	10/4/2020 7:28	0:01:20	51.65	127.44	417.93	51.77	135.43	417.96	-141.45	2.55
215	10/4/2020 7:29	10/4/2020 7:31	0:02:01	51.66	138.43	417.94	50.42	150.10	417.66	-143.51	0.49
216	10/4/2020 7:31	10/4/2020 7:35	0:04:01	49.74	153.81	417.51	43.24	173.35	416.11	-143.19	0.81
217	10/4/2020 7:36	10/4/2020 7:36	0:00:11	41.84	176.13	415.81	41.48	176.80	415.74	-142.43	1.57
218	10/4/2020 7:54	10/4/2020 7:54	0:00:00	-8.37	-136.91	414.87	-8.37	-136.91	414.87	-143.94	0.06
219	10/4/2020 7:57	10/4/2020 7:57	0:00:20	-18.38	-129.25	417.68	-19.36	-128.44	418.00	-143.64	0.36
220	10/4/2020 7:58	10/4/2020 7:59	0:00:30	-21.79	-126.37	418.83	-23.23	-125.09	419.35	-143.54	0.46
221	10/4/2020 7:59	10/4/2020 8:02	0:02:21	-25.14	-123.33	420.05	-31.57	-116.68	422.56	-141.69	2.31
222	10/4/2020 8:06	10/4/2020 8:09	0:02:10	-42.80	-99.99	427.25	-46.86	-90.20	428.95	-142.09	1.91
223	10/4/2020 8:11	10/4/2020 8:11	0:00:20	-49.85	-78.97	430.18	-50.20	-77.13	430.33	-143.32	0.68
224	10/4/2020 8:12	10/4/2020 8:18	0:06:30	-51.05	-71.44	430.67	-48.78	-33.83	429.75	-142.38	1.62
225	10/4/2020 8:19	10/4/2020 8:21	0:01:31	-47.59	-29.56	429.26	-45.02	-22.42	428.19	-142.92	1.08
226	10/4/2020 8:24	10/4/2020 8:25	0:00:59	-37.81	-8.96	425.15	-35.34	-5.49	424.12	-142.75	1.25
227	10/4/2020 8:26	10/4/2020 8:29	0:02:49	-32.77	-2.25	423.06	-25.00	5.93	420.01	-142.13	1.87
228	10/4/2020 8:32	10/4/2020 8:33	0:00:31	-14.77	14.60	416.57	-13.27	15.75	416.14	-143.57	0.43
229	10/4/2020 8:46	10/4/2020 8:46	0:00:20	24.87	44.62	413.02	25.82	45.52	413.13	-143.80	0.20
230	10/4/2020 8:47	10/4/2020 8:48	0:01:20	28.15	47.83	413.42	31.78	51.77	413.96	-142.29	1.71
231	10/4/2020 8:49	10/4/2020 8:52	0:03:00	33.54	53.86	414.25	40.84	64.53	415.62	-142.25	1.75
232	10/4/2020 8:53	10/4/2020 8:55	0:02:49	42.30	67.22	415.92	47.56	80.16	417.04	-141.28	2.72
233	10/4/2020 8:57	10/4/2020 8:58	0:01:10	49.40	87.10	417.44	50.61	93.59	417.71	-141.36	2.64
234	10/4/2020 8:58	10/4/2020 9:01	0:02:41	51.01	96.46	417.80	51.76	112.32	417.97	-141.43	2.57
235	10/4/2020 9:02	10/4/2020 9:03	0:01:59	51.64	115.32	417.94	50.35	126.96	417.66	-143.43	0.57
236	10/4/2020 9:04	10/4/2020 9:07	0:02:50	49.65	130.66	417.51	45.37	144.95	416.58	-143.18	0.82
237	10/4/2020 9:10	10/4/2020 9:12	0:02:10	39.42	156.78	415.35	34.08	164.36	414.35	-143.30	0.70
238	10/4/2020 9:13	10/4/2020 9:20	0:07:29	32.78	165.96	414.13	11.23	-174.49	412.39	-141.60	2.40
239	10/4/2020 9:21	10/4/2020 9:21	0:00:39	9.21	-173.00	412.45	7.18	-171.53	412.56	-143.17	0.83
240	10/4/2020 9:23	10/4/2020 9:24	0:01:00	3.11	-168.63	412.92	0.05	-166.47	413.31	-143.24	0.76

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)
241	10/4/2020 9:25	10/4/2020 9:25	0:00:09	-2.50	-164.67	413.71	-3.01	-164.31	413.80	-143.80	0.20
242	10/4/2020 9:25	10/4/2020 9:27	0:01:20	-5.05	-162.87	414.18	-9.11	-159.94	415.07	-143.56	0.44
243	10/4/2020 9:28	10/4/2020 9:28	0:00:00	-13.14	-156.95	416.12	-13.14	-156.95	416.12	-143.93	0.07
244	10/4/2020 9:30	10/4/2020 9:30	0:00:30	-18.11	-153.04	417.62	-19.58	-151.83	418.10	-143.59	0.41
245	10/4/2020 9:31	10/4/2020 9:31	0:00:21	-22.01	-149.75	418.94	-22.97	-148.89	419.28	-143.75	0.25
246	10/4/2020 9:32	10/4/2020 9:34	0:02:29	-24.88	-147.15	419.97	-31.77	-140.01	422.66	-142.05	1.95
247	10/4/2020 9:36	10/4/2020 9:38	0:01:50	-35.24	-135.75	424.08	-39.68	-129.23	425.95	-142.59	1.41
248	10/4/2020 9:39	10/4/2020 9:40	0:01:10	-42.96	-123.24	427.33	-45.25	-118.12	428.30	-141.99	2.01
249	10/4/2020 9:44	10/4/2020 9:44	0:00:19	-49.94	-102.12	430.23	-50.28	-100.27	430.37	-143.24	0.76
250	10/4/2020 9:45	10/4/2020 9:51	0:06:40	-50.98	-95.54	430.65	-48.68	-57.00	429.70	-142.38	1.62
251	10/4/2020 9:52	10/4/2020 9:54	0:01:31	-47.47	-52.75	429.20	-44.87	-45.64	428.12	-142.96	1.04
252	10/4/2020 9:56	10/4/2020 9:56	0:00:00	-40.74	-37.23	426.37	-40.74	-37.23	426.37	-143.97	0.03
253	10/4/2020 9:57	10/4/2020 9:58	0:01:01	-37.63	-32.25	425.06	-35.15	-28.81	424.02	-142.82	1.18
254	10/4/2020 9:59	10/4/2020 10:02	0:02:51	-32.57	-25.59	422.95	-24.78	-17.44	419.91	-141.97	2.03
255	10/4/2020 10:03	10/4/2020 10:03	0:00:20	-22.39	-15.27	419.04	-21.43	-14.42	418.70	-143.86	0.14
256	10/4/2020 10:04	10/4/2020 10:06	0:02:10	-19.48	-12.76	418.03	-13.04	-7.65	416.06	-142.77	1.23
257	10/4/2020 10:09	10/4/2020 10:09	0:00:00	-4.44	-1.37	414.02	-4.44	-1.37	414.02	-143.99	0.01
258	10/4/2020 10:18	10/4/2020 10:19	0:00:21	25.09	21.26	413.02	26.04	22.16	413.13	-143.76	0.24
259	10/4/2020 10:20	10/4/2020 10:21	0:01:20	28.37	24.48	413.43	31.99	28.44	413.97	-142.50	1.50
260	10/4/2020 10:22	10/4/2020 10:24	0:02:10	33.74	30.54	414.26	39.11	38.05	415.25	-142.37	1.63
261	10/4/2020 10:27	10/4/2020 10:28	0:01:31	45.12	49.77	416.49	47.68	56.97	417.04	-141.48	2.52
262	10/4/2020 10:30	10/4/2020 10:30	0:00:59	49.50	63.95	417.43	50.54	69.50	417.66	-141.18	2.82
263	10/4/2020 10:31	10/4/2020 10:34	0:02:39	51.06	73.33	417.77	51.75	89.21	417.92	-141.42	2.58
264	10/4/2020 10:34	10/4/2020 10:36	0:02:00	51.61	92.20	417.89	50.28	103.82	417.60	-143.24	0.76
265	10/4/2020 10:37	10/4/2020 10:41	0:04:10	49.75	106.60	417.49	42.93	126.86	416.02	-143.17	0.83
266	10/4/2020 10:42	10/4/2020 10:45	0:03:09	41.50	129.61	415.73	33.88	141.04	414.28	-142.54	1.46
267	10/4/2020 10:45	10/4/2020 10:53	0:07:31	32.57	142.63	414.06	11.00	162.11	412.35	-141.50	2.50
268	10/4/2020 10:54	10/4/2020 10:55	0:01:09	8.98	163.60	412.42	5.42	166.16	412.65	-143.29	0.71
269	10/4/2020 10:55	10/4/2020 10:58	0:02:10	3.38	167.61	412.85	-3.25	172.28	413.79	-143.31	0.69
270	10/4/2020 10:58	10/4/2020 11:01	0:02:19	-5.80	174.09	414.28	-12.87	179.28	416.00	-143.54	0.46
271	10/4/2020 11:02	10/4/2020 11:03	0:00:30	-17.85	-176.83	417.49	-19.32	-175.62	417.97	-143.49	0.51
272	10/4/2020 11:04	10/4/2020 11:04	0:00:19	-21.75	-173.54	418.80	-22.72	-172.69	419.14	-143.86	0.14
273	10/4/2020 11:05	10/4/2020 11:07	0:02:30	-25.10	-170.51	420.01	-31.98	-163.35	422.69	-142.01	1.99
274	10/4/2020 11:14	10/4/2020 11:14	0:00:30	-45.99	-139.79	428.55	-46.85	-137.40	428.90	-142.91	1.09
275	10/4/2020 11:16	10/4/2020 11:17	0:00:11	-50.02	-125.26	430.20	-50.19	-124.34	430.27	-143.22	0.78
276	10/4/2020 11:17	10/4/2020 11:24	0:06:41	-51.04	-118.66	430.61	-48.58	-80.17	429.61	-142.16	1.84
277	10/4/2020 11:25	10/4/2020 11:27	0:01:40	-47.35	-75.94	429.10	-44.41	-68.12	427.87	-143.03	0.97
278	10/4/2020 11:29	10/4/2020 11:29	0:00:00	-40.56	-60.50	426.25	-40.56	-60.50	426.25	-143.86	0.14
279	10/4/2020 11:30	10/4/2020 11:31	0:00:59	-37.84	-56.14	425.10	-35.38	-52.68	424.07	-142.89	1.11
280	10/4/2020 11:32	10/4/2020 11:35	0:02:49	-32.36	-48.91	422.82	-24.56	-40.80	419.78	-141.55	2.45
281	10/4/2020 11:36	10/4/2020 11:36	0:00:09	-21.69	-38.21	418.75	-21.20	-37.79	418.58	-143.85	0.15
282	10/4/2020 11:37	10/4/2020 11:39	0:02:01	-18.76	-35.74	417.76	-12.80	-31.04	415.96	-142.61	1.39
283	10/4/2020 11:42	10/4/2020 11:42	0:00:10	-4.20	-24.77	413.95	-3.69	-24.41	413.86	-143.93	0.07
284	10/4/2020 11:51	10/4/2020 11:52	0:00:20	25.31	-2.11	413.05	26.26	-1.20	413.16	-143.68	0.32
285	10/4/2020 11:52	10/4/2020 11:54	0:01:11	28.12	0.66	413.40	31.31	4.08	413.86	-142.62	1.38
286	10/4/2020 11:54	10/4/2020 11:57	0:02:51	33.94	7.22	414.30	40.82	17.33	415.60	-142.36	1.64
287	10/4/2020 11:58	10/4/2020 12:01	0:02:50	42.27	20.02	415.90	47.54	32.95	417.03	-141.74	2.26
288	10/4/2020 12:02	10/4/2020 12:03	0:00:59	49.59	40.80	417.47	50.61	46.38	417.69	-141.16	2.84
289	10/4/2020 12:04	10/4/2020 12:06	0:01:59	51.12	50.22	417.80	51.80	62.11	417.95	-141.41	2.59
290	10/4/2020 12:09	10/4/2020 12:09	0:00:20	50.52	78.81	417.66	50.20	80.69	417.59	-143.64	0.36
291	10/4/2020 12:10	10/4/2020 12:14	0:04:10	49.66	83.45	417.47	42.77	103.62	415.99	-143.15	0.85
292	10/4/2020 12:14	10/4/2020 12:18	0:03:11	41.33	106.35	415.69	33.68	117.72	414.25	-142.56	1.44
293	10/4/2020 12:18	10/4/2020 12:28	0:09:29	32.37	119.30	414.03	4.67	143.12	412.73	-141.42	2.58
294	10/4/2020 12:28	10/4/2020 12:29	0:00:49	3.14	144.20	412.88	0.59	146.00	413.19	-143.35	0.65
295	10/4/2020 12:30	10/4/2020 12:30	0:00:31	-1.96	147.80	413.58	-3.49	148.88	413.84	-143.75	0.25
296	10/4/2020 12:31	10/4/2020 12:33	0:02:19	-6.03	150.69	414.34	-13.11	155.88	416.06	-143.45	0.55
297	10/4/2020 12:35	10/4/2020 12:36	0:00:30	-17.58	159.39	417.39	-19.06	160.59	417.87	-143.43	0.57
298	10/4/2020 12:36	10/4/2020 12:37	0:00:11	-21.98	163.08	418.86	-22.46	163.51	419.03	-143.77	0.23
299	10/4/2020 12:38	10/4/2020 12:40	0:02:29	-24.85	165.68	419.89	-31.74	172.81	422.56	-141.77	2.23
300	10/4/2020 12:41	10/4/2020 12:43	0:01:29	-35.21	177.07	423.98	-38.88	-177.67	425.51	-142.42	1.58

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)
301	10/4/2020 12:46	10/4/2020 12:47	0:00:59	-44.92	-166.07	428.04	-46.70	-161.40	428.78	-142.46	1.54
302	10/4/2020 12:49	10/4/2020 12:49	0:00:09	-50.10	-148.40	430.16	-50.27	-147.48	430.23	-143.32	0.68
303	10/4/2020 12:50	10/4/2020 12:57	0:06:39	-51.09	-141.78	430.56	-48.47	-103.33	429.48	-142.28	1.72
304	10/4/2020 12:58	10/4/2020 12:59	0:01:29	-46.95	-98.30	428.85	-44.26	-91.35	427.73	-143.10	0.90
305	10/4/2020 13:01	10/4/2020 13:01	0:00:00	-40.39	-83.77	426.10	-40.39	-83.77	426.10	-143.78	0.22
306	10/4/2020 13:02	10/4/2020 13:04	0:01:01	-37.65	-79.43	424.95	-35.18	-75.99	423.91	-142.92	1.08
307	10/4/2020 13:05	10/4/2020 13:05	0:00:50	-32.15	-72.24	422.67	-29.92	-69.73	421.77	-141.44	2.56
308	10/4/2020 13:09	10/4/2020 13:09	0:00:10	-21.46	-61.59	418.61	-20.97	-61.17	418.44	-143.84	0.16
309	10/4/2020 13:09	10/4/2020 13:12	0:02:10	-19.02	-59.52	417.78	-12.57	-54.44	415.83	-142.39	1.61
310	10/4/2020 13:14	10/4/2020 13:14	0:00:00	-5.49	-49.26	414.15	-5.49	-49.26	414.15	-143.95	0.05
311	10/4/2020 13:15	10/4/2020 13:15	0:00:09	-3.45	-47.81	413.76	-2.94	-47.45	413.67	-143.99	0.01
312	10/4/2020 13:19	10/4/2020 13:30	0:11:19	9.28	-38.76	412.37	40.62	-6.58	415.61	-141.39	2.61
313	10/4/2020 13:31	10/4/2020 13:34	0:03:00	42.09	-3.91	415.93	47.67	9.78	417.21	-142.07	1.93
314	10/4/2020 13:35	10/4/2020 13:36	0:01:10	49.49	16.75	417.67	50.67	23.26	417.99	-141.27	2.73
315	10/4/2020 13:37	10/4/2020 13:40	0:02:50	51.06	26.14	418.10	51.71	43.01	418.42	-141.41	2.59
316	10/4/2020 13:43	10/4/2020 13:47	0:04:09	49.57	60.31	418.17	42.60	80.38	417.03	-143.09	0.91
317	10/4/2020 13:47	10/4/2020 13:58	0:10:39	41.16	83.09	416.79	12.05	114.18	414.45	-141.48	2.52
318	10/4/2020 13:59	10/4/2020 14:13	0:14:00	10.03	115.68	414.55	-31.47	148.92	425.30	-142.00	2.00
319	10/4/2020 14:14	10/4/2020 14:15	0:01:20	-35.37	153.71	426.94	-38.63	158.38	428.33	-142.58	1.42
320	10/4/2020 14:18	10/4/2020 14:20	0:01:11	-44.72	169.88	430.96	-46.80	175.31	431.85	-142.62	1.38
321	10/4/2020 14:22	10/4/2020 14:22	0:00:09	-50.16	-171.65	433.28	-50.32	-170.72	433.35	-143.43	0.57
322	10/4/2020 14:23	10/4/2020 14:30	0:06:40	-51.13	-165.02	433.69	-48.39	-126.64	432.68	-142.40	1.60
323	10/4/2020 14:31	10/4/2020 14:32	0:01:20	-46.59	-120.83	431.95	-44.15	-114.70	430.94	-143.24	0.76
324	10/4/2020 14:34	10/4/2020 14:34	0:00:00	-40.27	-107.16	429.31	-40.27	-107.16	429.31	-143.91	0.09
325	10/4/2020 14:35	10/4/2020 14:37	0:01:11	-37.53	-102.84	428.17	-34.63	-98.86	426.96	-142.96	1.04
326	10/4/2020 14:38	10/4/2020 14:40	0:02:49	-31.58	-95.17	425.71	-23.73	-87.19	422.68	-141.76	2.24
327	10/4/2020 14:41	10/4/2020 14:41	0:00:00	-21.33	-85.06	421.82	-21.33	-85.06	421.82	-143.99	0.01
328	10/4/2020 14:42	10/4/2020 14:42	0:00:00	-18.89	-83.00	420.99	-18.89	-83.00	420.99	-143.97	0.03
329	10/4/2020 14:43	10/4/2020 14:44	0:01:40	-17.42	-81.79	420.51	-12.44	-77.92	419.03	-142.24	1.76
330	10/4/2020 14:49	10/4/2020 14:50	0:00:20	3.30	-66.64	415.94	4.32	-65.91	415.83	-143.95	0.05
331	10/4/2020 14:57	10/4/2020 14:59	0:01:30	26.10	-48.51	416.08	30.25	-44.24	416.61	-142.75	1.25
332	10/4/2020 15:00	10/4/2020 15:03	0:02:49	34.23	-39.58	417.23	41.06	-29.39	418.47	-142.58	1.42
333	10/4/2020 15:03	10/4/2020 15:07	0:03:05	42.15	-27.37	418.68	47.81	-13.34	419.89	-142.30	1.70
334	10/4/2020 15:08	10/4/2020 15:09	0:01:10	49.59	-6.33	420.25	50.75	0.19	420.48	-141.42	2.58
335	10/4/2020 15:10	10/4/2020 15:12	0:02:40	51.12	3.08	420.55	51.73	18.96	420.63	-141.48	2.52
336	10/4/2020 15:13	10/4/2020 15:15	0:01:40	51.44	23.92	420.55	50.20	33.53	420.24	-142.53	1.47
337	10/4/2020 15:18	10/4/2020 15:20	0:01:40	45.69	49.81	419.21	42.42	57.15	418.50	-143.49	0.51
338	10/4/2020 15:20	10/4/2020 15:31	0:10:49	40.97	59.85	418.19	11.29	91.16	414.92	-141.72	2.28
339	10/4/2020 15:32	10/4/2020 15:35	0:03:10	9.78	92.28	414.97	0.11	99.18	415.87	-143.22	0.78
340	10/4/2020 15:38	10/4/2020 15:39	0:00:59	-8.54	105.33	417.56	-11.56	107.56	418.33	-143.65	0.35
341	10/4/2020 15:40	10/4/2020 15:41	0:00:20	-17.05	111.79	419.96	-18.04	112.59	420.28	-143.55	0.45
342	10/4/2020 15:42	10/4/2020 15:42	0:00:20	-21.45	115.46	421.45	-22.42	116.31	421.80	-143.23	0.77
343	10/4/2020 15:43	10/4/2020 15:46	0:02:29	-24.80	118.48	422.69	-31.70	125.59	425.44	-141.73	2.27
344	10/4/2020 15:50	10/4/2020 15:52	0:02:00	-43.24	143.03	430.40	-46.94	152.14	432.00	-142.71	1.29
345	10/4/2020 15:54	10/4/2020 15:55	0:00:41	-49.71	162.47	433.20	-50.40	166.16	433.50	-143.19	0.81
346	10/4/2020 15:56	10/4/2020 15:58	0:01:51	-51.18	171.89	433.84	-51.79	-177.26	434.13	-142.54	1.46
347	10/4/2020 16:01	10/4/2020 16:03	0:01:41	-50.28	-158.74	433.60	-48.27	-149.79	432.81	-143.14	0.86
348	10/4/2020 16:04	10/4/2020 16:05	0:01:20	-46.44	-144.01	432.07	-43.99	-137.92	431.06	-143.30	0.70
349	10/4/2020 16:07	10/4/2020 16:07	0:00:00	-40.08	-130.42	429.44	-40.08	-130.42	429.44	-143.93	0.07
350	10/4/2020 16:08	10/4/2020 16:09	0:01:10	-37.33	-126.13	428.29	-34.41	-122.17	427.08	-142.88	1.12
351	10/4/2020 16:11	10/4/2020 16:13	0:02:50	-31.36	-118.50	425.84	-23.49	-110.56	422.81	-142.07	1.93
352	10/4/2020 16:15	10/4/2020 16:17	0:02:09	-18.64	-106.39	421.13	-12.19	-101.32	419.18	-142.32	1.68
353	10/4/2020 16:18	10/4/2020 16:18	0:00:00	-10.68	-100.20	418.78	-10.68	-100.20	418.78	-143.99	0.01
354	10/4/2020 16:19	10/4/2020 16:20	0:00:30	-6.12	-96.89	417.70	-4.60	-95.80	417.38	-143.78	0.22
355	10/4/2020 16:22	10/4/2020 16:23	0:00:20	3.56	-90.04	416.12	4.58	-89.32	416.02	-143.85	0.15
356	10/4/2020 16:24	10/4/2020 16:24	0:00:00	7.12	-87.51	415.80	7.12	-87.51	415.80	-143.99	0.01
357	10/4/2020 17:15	10/4/2020 17:15	0:00:21	-21.02	91.50	421.21	-21.99	92.34	421.56	-143.28	0.72
358	10/4/2020 17:16	10/4/2020 17:16	0:00:29	-24.38	94.50	422.45	-25.80	95.83	423.00	-143.21	0.79
359	10/4/2020 17:17	10/4/2020 17:18	0:01:40	-27.20	97.20	423.55	-31.75	102.06	425.42	-141.77	2.23
360	10/4/2020 17:20	10/4/2020 17:22	0:01:51	-35.21	106.32	426.89	-39.65	112.83	428.84	-142.63	1.37

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)
361	10/4/2020 17:23	10/4/2020 17:25	0:01:59	-43.28	119.51	430.44	-46.96	128.64	432.07	-142.75	1.25
362	10/4/2020 17:27	10/4/2020 17:28	0:00:40	-49.73	138.98	433.29	-50.42	142.68	433.60	-143.30	0.70
363	10/4/2020 17:29	10/4/2020 17:31	0:02:00	-51.19	148.40	433.95	-51.79	160.25	434.27	-142.35	1.65
364	10/4/2020 17:32	10/4/2020 17:36	0:04:01	-51.70	164.23	434.25	-48.25	-173.29	432.97	-143.12	0.88
365	10/4/2020 17:37	10/4/2020 17:38	0:01:31	-46.41	-167.52	432.24	-43.62	-160.71	431.11	-143.39	0.61
366	10/4/2020 17:40	10/4/2020 17:40	0:00:00	-39.66	-153.31	429.46	-39.66	-153.31	429.46	-143.95	0.05
367	10/4/2020 17:41	10/4/2020 17:42	0:01:10	-36.88	-149.08	428.31	-33.94	-145.16	427.10	-142.84	1.16
368	10/4/2020 17:43	10/4/2020 17:46	0:02:51	-31.31	-142.04	426.03	-23.44	-134.11	423.00	-141.69	2.31
369	10/4/2020 17:48	10/4/2020 17:49	0:01:29	-18.60	-129.93	421.32	-14.14	-126.39	419.93	-142.48	1.52
370	10/4/2020 17:52	10/4/2020 17:53	0:00:29	-5.56	-120.08	417.76	-4.04	-118.99	417.45	-143.64	0.36
371	10/4/2020 17:55	10/4/2020 17:56	0:00:29	3.61	-113.60	416.27	5.13	-112.51	416.11	-143.76	0.24
372	10/4/2020 17:56	10/4/2020 17:56	0:00:00	7.17	-111.06	415.93	7.17	-111.06	415.93	-143.85	0.15
373	10/4/2020 17:57	10/4/2020 17:57	0:00:11	9.19	-109.59	415.80	9.70	-109.22	415.78	-143.99	0.01
374	10/4/2020 18:17	10/4/2020 18:18	0:00:31	51.79	-33.02	420.50	51.78	-30.01	420.48	-142.85	1.15
375	10/4/2020 18:19	10/4/2020 18:21	0:01:40	51.34	-22.08	420.34	49.99	-12.54	419.98	-142.74	1.26
376	10/4/2020 18:21	10/4/2020 18:24	0:02:30	49.22	-8.90	419.79	45.33	3.56	418.88	-143.07	0.93
377	10/4/2020 18:24	10/4/2020 18:25	0:01:11	44.38	5.82	418.66	41.99	10.79	418.13	-143.54	0.46
378	10/4/2020 18:26	10/4/2020 18:33	0:06:59	40.52	13.45	417.81	22.07	35.33	414.93	-142.06	1.94
379	10/4/2020 18:34	10/4/2020 18:36	0:02:21	20.62	36.59	414.81	13.70	42.17	414.55	-142.61	1.39
380	10/4/2020 18:37	10/4/2020 18:37	0:00:20	11.69	43.68	414.57	10.68	44.43	414.60	-142.53	1.47
381	10/4/2020 18:37	10/4/2020 18:38	0:00:11	9.16	45.55	414.65	8.66	45.92	414.68	-143.68	0.32
382	10/4/2020 18:38	10/4/2020 18:39	0:00:59	7.14	47.02	414.77	4.08	49.20	415.04	-143.62	0.38
383	10/4/2020 18:54	10/4/2020 18:54	0:00:00	-39.69	89.31	428.75	-39.69	89.31	428.75	-143.96	0.04
384	10/4/2020 18:56	10/4/2020 18:58	0:02:10	-42.97	95.30	430.21	-47.00	105.14	431.99	-142.74	1.26
385	10/4/2020 19:00	10/4/2020 19:01	0:00:39	-49.76	115.49	433.22	-50.44	119.19	433.53	-143.35	0.65
386	10/4/2020 19:02	10/4/2020 19:04	0:01:59	-51.21	124.92	433.88	-51.80	136.78	434.20	-142.23	1.77
387	10/4/2020 19:04	10/4/2020 19:08	0:03:59	-51.70	140.76	434.19	-48.22	163.22	432.93	-143.11	0.89
388	10/4/2020 19:10	10/4/2020 19:11	0:01:21	-46.09	169.77	432.09	-43.58	175.78	431.07	-143.43	0.57
389	10/4/2020 19:13	10/4/2020 19:13	0:00:00	-39.62	-176.83	429.44	-39.62	-176.83	429.44	-144.00	0.00
390	10/4/2020 19:14	10/4/2020 19:15	0:01:20	-36.84	-172.60	428.29	-33.46	-168.16	426.90	-142.65	1.35
391	10/4/2020 19:16	10/4/2020 19:19	0:02:51	-30.82	-165.07	425.84	-22.91	-157.22	422.83	-141.93	2.07
392	10/4/2020 19:21	10/4/2020 19:22	0:01:40	-18.54	-153.48	421.33	-13.59	-149.56	419.80	-142.59	1.41
393	10/4/2020 19:25	10/4/2020 19:26	0:00:20	-5.00	-143.26	417.68	-3.98	-142.54	417.48	-143.59	0.41
394	10/4/2020 19:28	10/4/2020 19:29	0:00:30	3.66	-137.15	416.31	5.19	-136.06	416.15	-143.66	0.34
395	10/4/2020 19:29	10/4/2020 19:29	0:00:11	7.22	-134.61	415.98	7.73	-134.24	415.94	-143.75	0.25
396	10/4/2020 19:30	10/4/2020 19:30	0:00:09	9.25	-133.14	415.85	9.75	-132.77	415.82	-143.76	0.24
397	10/4/2020 19:36	10/4/2020 19:37	0:01:29	26.43	-118.95	416.39	30.57	-114.66	416.89	-143.23	0.77
398	10/4/2020 19:39	10/4/2020 19:40	0:01:09	34.53	-109.96	417.48	37.45	-105.98	417.96	-142.89	1.11
399	10/4/2020 20:03	10/4/2020 20:06	0:03:09	31.13	2.80	416.03	22.26	11.58	414.91	-142.06	1.94
400	10/4/2020 20:06	10/4/2020 20:09	0:02:19	20.32	13.26	414.76	13.39	18.81	414.51	-142.59	1.41
401	10/4/2020 20:09	10/4/2020 20:10	0:00:50	11.38	20.32	414.54	8.86	22.18	414.63	-143.04	0.96
402	10/4/2020 20:11	10/4/2020 20:12	0:01:01	6.83	23.65	414.75	3.78	25.83	415.03	-143.45	0.55
403	10/4/2020 20:13	10/4/2020 20:13	0:00:20	0.72	27.99	415.41	-0.30	28.71	415.57	-143.31	0.69
404	10/4/2020 20:14	10/4/2020 20:14	0:00:00	-3.87	31.22	416.19	-3.87	31.22	416.19	-143.93	0.07
405	10/4/2020 20:16	10/4/2020 20:18	0:01:31	-9.96	35.61	417.57	-14.48	39.01	418.84	-142.91	1.09
406	10/4/2020 20:20	10/4/2020 20:20	0:00:20	-20.40	43.79	420.80	-21.37	44.62	421.14	-143.54	0.46
407	10/4/2020 20:21	10/4/2020 20:22	0:00:19	-24.25	47.19	422.22	-25.19	48.08	422.58	-143.29	0.71
408	10/4/2020 20:22	10/4/2020 20:24	0:01:31	-27.53	50.36	423.51	-31.62	54.74	425.19	-141.93	2.07
409	10/4/2020 20:25	10/4/2020 20:27	0:01:40	-35.51	59.54	426.87	-39.54	65.47	428.64	-142.50	1.50
410	10/4/2020 20:30	10/4/2020 20:31	0:01:09	-45.14	76.53	431.13	-47.16	82.04	432.02	-142.75	1.25
411	10/4/2020 20:33	10/4/2020 20:34	0:00:41	-49.87	92.46	433.23	-50.53	96.17	433.53	-143.29	0.71
412	10/4/2020 20:35	10/4/2020 20:36	0:01:49	-51.27	101.92	433.87	-51.80	112.80	434.16	-142.22	1.78
413	10/4/2020 20:37	10/4/2020 20:41	0:04:01	-51.67	117.77	434.14	-48.08	140.15	432.83	-143.11	0.89
414	10/4/2020 20:47	10/4/2020 20:48	0:01:20	-36.59	164.17	428.15	-33.20	168.58	426.76	-142.65	1.35
415	10/4/2020 20:49	10/4/2020 20:52	0:03:11	-30.54	171.65	425.70	-21.66	-179.69	422.36	-142.11	1.89
416	10/4/2020 20:54	10/4/2020 20:56	0:01:59	-18.24	-176.82	421.20	-12.28	-172.15	419.41	-142.67	1.33
417	10/4/2020 20:56	10/4/2020 20:56	0:00:00	-10.27	-170.65	418.87	-10.27	-170.65	418.87	-143.99	0.01
418	10/4/2020 21:13	10/4/2020 21:18	0:05:19	37.29	-129.80	417.90	48.03	-106.92	419.87	-142.05	1.95
419	10/4/2020 21:19	10/4/2020 21:20	0:01:11	49.77	-99.85	420.19	50.87	-93.28	420.38	-141.37	2.63
420	10/4/2020 21:21	10/4/2020 21:23	0:02:21	51.22	-90.38	420.43	51.76	-76.47	420.45	-141.42	2.58

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)
421	10/4/2020 21:24	10/4/2020 21:26	0:01:51	51.36	-69.53	420.32	49.86	-59.05	419.93	-142.67	1.33
422	10/4/2020 21:27	10/4/2020 21:31	0:04:10	49.07	-55.43	419.74	41.73	-35.89	418.05	-143.04	0.96
423	10/4/2020 21:32	10/4/2020 21:39	0:06:59	40.25	-33.25	417.74	21.73	-11.53	414.87	-141.80	2.20
424	10/4/2020 21:40	10/4/2020 21:42	0:02:10	19.29	-9.46	414.70	12.84	-4.35	414.52	-142.43	1.57
425	10/4/2020 21:42	10/4/2020 21:43	0:00:39	10.82	-2.84	414.56	8.80	-1.36	414.64	-143.37	0.63
426	10/4/2020 21:44	10/4/2020 21:45	0:00:50	6.26	0.47	414.81	3.72	2.28	415.04	-143.22	0.78
427	10/4/2020 21:46	10/4/2020 21:46	0:00:09	0.15	4.80	415.50	-0.36	5.16	415.58	-143.29	0.71
428	10/4/2020 21:47	10/4/2020 21:47	0:00:39	-2.40	6.60	415.92	-4.44	8.04	416.30	-143.12	0.88
429	10/4/2020 21:52	10/4/2020 21:53	0:00:20	-19.48	19.43	420.47	-20.45	20.25	420.81	-143.52	0.48
430	10/4/2020 21:54	10/4/2020 21:54	0:00:11	-24.30	23.66	422.23	-24.77	24.10	422.41	-143.27	0.73
431	10/4/2020 21:55	10/4/2020 21:57	0:01:29	-27.59	26.82	423.51	-31.67	31.21	425.20	-142.03	1.97
432	10/4/2020 21:58	10/4/2020 22:00	0:01:41	-35.56	36.02	426.86	-39.59	41.95	428.62	-142.39	1.61
433	10/4/2020 22:02	10/4/2020 22:04	0:02:10	-43.22	48.63	430.24	-47.19	58.55	431.99	-142.72	1.28
434	10/4/2020 22:08	10/4/2020 22:09	0:00:50	-51.70	84.35	434.02	-51.80	89.33	434.10	-142.65	1.35
435	10/4/2020 22:10	10/4/2020 22:14	0:03:59	-51.67	94.30	434.07	-48.05	116.66	432.74	-143.11	0.89
436	10/4/2020 22:15	10/4/2020 22:17	0:01:21	-45.88	123.17	431.88	-43.34	129.12	430.84	-143.40	0.60
437	10/4/2020 22:20	10/4/2020 22:21	0:01:11	-36.13	141.22	427.87	-33.15	145.05	426.65	-142.67	1.33
438	10/4/2020 22:22	10/4/2020 22:25	0:03:20	-30.49	148.12	425.59	-21.12	157.19	422.09	-142.24	1.76
439	10/4/2020 22:26	10/4/2020 22:29	0:02:10	-18.19	159.64	421.11	-11.72	164.68	419.18	-142.73	1.27
440	10/4/2020 22:31	10/4/2020 22:32	0:01:01	-5.65	169.10	417.73	-2.60	171.27	417.14	-143.40	0.60
441	10/4/2020 22:34	10/4/2020 22:35	0:01:20	4.03	175.94	416.19	8.10	178.85	415.85	-143.57	0.43
442	10/4/2020 22:36	10/4/2020 22:36	0:00:29	9.62	179.96	415.76	11.13	-178.92	415.70	-143.56	0.44
443	10/4/2020 22:42	10/4/2020 22:42	0:00:00	27.70	-164.86	416.50	27.70	-164.86	416.50	-143.99	0.01
444	10/4/2020 22:45	10/4/2020 22:51	0:06:11	35.26	-156.18	417.58	48.06	-130.40	419.93	-141.83	2.17
445	10/4/2020 22:52	10/4/2020 22:53	0:01:10	49.79	-123.33	420.25	50.89	-116.76	420.44	-141.57	2.43
446	10/4/2020 22:57	10/4/2020 22:59	0:01:40	51.26	-92.02	420.37	49.84	-82.53	420.01	-142.81	1.19
447	10/4/2020 23:00	10/4/2020 23:02	0:02:39	49.05	-78.92	419.81	44.76	-65.81	418.81	-143.03	0.97
448	10/4/2020 23:03	10/4/2020 23:04	0:01:10	43.78	-63.60	418.59	41.33	-58.73	418.05	-143.57	0.43
449	10/4/2020 23:05	10/4/2020 23:12	0:06:50	39.82	-56.13	417.74	21.67	-35.07	414.97	-141.56	2.44
450	10/4/2020 23:13	10/4/2020 23:15	0:02:01	18.74	-32.59	414.77	12.78	-27.89	414.63	-142.32	1.68
451	10/4/2020 23:15	10/4/2020 23:16	0:00:39	10.26	-26.02	414.68	8.24	-24.54	414.78	-143.58	0.42
452	10/4/2020 23:17	10/4/2020 23:17	0:00:20	6.21	-23.07	414.92	5.19	-22.35	415.00	-143.32	0.68
453	10/4/2020 23:20	10/4/2020 23:20	0:00:31	-3.48	-16.23	416.22	-5.00	-15.14	416.52	-142.49	1.51
454	10/4/2020 23:23	10/4/2020 23:23	0:00:41	-12.09	-9.99	418.24	-14.09	-8.46	418.82	-143.25	0.75
455	10/4/2020 23:25	10/4/2020 23:26	0:00:30	-19.04	-4.52	420.40	-20.50	-3.29	420.91	-143.06	0.94
456	10/4/2020 23:27	10/4/2020 23:27	0:00:20	-23.88	-0.32	422.14	-24.83	0.56	422.51	-143.07	0.93
457	10/4/2020 23:28	10/4/2020 23:30	0:01:29	-27.64	3.29	423.61	-31.72	7.68	425.28	-142.03	1.97
458	10/4/2020 23:31	10/4/2020 23:33	0:01:40	-35.60	12.49	426.94	-39.63	18.44	428.70	-142.29	1.71
459	10/4/2020 23:34	10/4/2020 23:37	0:02:10	-43.26	25.12	430.30	-47.22	35.05	432.04	-142.70	1.30
460	10/4/2020 23:39	10/4/2020 23:39	0:00:41	-49.91	45.49	433.22	-50.56	49.21	433.51	-143.12	0.88
461	10/4/2020 23:40	10/4/2020 23:42	0:01:51	-51.29	54.97	433.84	-51.80	65.85	434.11	-141.89	2.11
462	10/4/2020 23:43	10/4/2020 23:45	0:01:59	-51.66	70.82	434.08	-50.43	82.44	433.65	-143.41	0.59
463	10/4/2020 23:45	10/4/2020 23:47	0:01:40	-49.93	85.22	433.46	-47.77	94.01	432.61	-143.11	0.89
464	10/4/2020 23:48	10/4/2020 23:50	0:01:31	-45.85	99.67	431.84	-42.96	106.32	430.66	-143.39	0.61
465	10/4/2020 23:53	10/4/2020 23:54	0:01:20	-36.08	117.70	427.80	-32.66	122.05	426.40	-142.57	1.43
466	10/4/2020 23:55	10/4/2020 23:58	0:02:51	-29.99	125.08	425.33	-22.03	132.81	422.34	-141.90	2.10
467	10/4/2020 23:59	10/5/2020 0:08	0:09:31	-19.11	135.30	421.34	9.67	156.42	415.68	-143.50	0.50
468	10/5/2020 0:09	10/5/2020 0:09	0:00:00	12.69	158.66	415.57	12.69	158.66	415.57	-143.90	0.10
469	10/5/2020 0:14	10/5/2020 0:14	0:00:20	24.94	168.86	416.06	25.89	169.76	416.15	-143.87	0.13
470	10/5/2020 0:15	10/5/2020 0:16	0:01:01	27.76	171.61	416.35	30.50	174.50	416.70	-143.20	0.80
471	10/5/2020 0:17	10/5/2020 0:23	0:06:00	34.03	178.65	417.22	47.06	-157.23	419.63	-142.09	1.91
472	10/5/2020 0:26	10/5/2020 0:26	0:00:19	50.63	-142.14	420.34	50.90	-140.23	420.39	-142.60	1.40
473	10/5/2020 0:27	10/5/2020 0:29	0:02:10	51.34	-136.35	420.47	51.76	-123.41	420.53	-141.43	2.57
474	10/5/2020 0:30	10/5/2020 0:31	0:00:30	51.25	-115.49	420.40	50.91	-112.58	420.32	-142.55	1.45
475	10/5/2020 0:47	10/5/2020 0:48	0:00:30	13.73	-52.20	415.15	12.22	-51.06	415.18	-142.69	1.31
476	10/5/2020 0:48	10/5/2020 0:49	0:00:29	9.70	-49.19	415.27	8.18	-48.08	415.36	-143.76	0.24
477	10/5/2020 0:50	10/5/2020 0:51	0:01:00	6.15	-46.62	415.52	3.10	-44.45	415.85	-143.12	0.88
478	10/5/2020 0:52	10/5/2020 0:52	0:00:09	-0.47	-41.93	416.37	-0.98	-41.57	416.45	-143.69	0.31
479	10/5/2020 0:52	10/5/2020 0:54	0:01:31	-2.51	-40.50	416.72	-7.09	-37.24	417.69	-142.46	1.54
480	10/5/2020 0:56	10/5/2020 0:56	0:00:30	-12.64	-33.15	419.16	-14.14	-32.01	419.60	-143.25	0.75

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)
481	10/5/2020 0:58	10/5/2020 0:58	0:00:29	-18.60	-28.47	421.05	-20.07	-27.25	421.56	-142.90	1.10
482	10/5/2020 0:59	10/5/2020 1:00	0:00:30	-23.45	-24.30	422.81	-24.87	-22.98	423.35	-143.15	0.85
483	10/5/2020 1:01	10/5/2020 1:02	0:01:31	-27.68	-20.25	424.47	-31.76	-15.86	426.16	-141.96	2.04
484	10/5/2020 1:04	10/5/2020 1:05	0:01:31	-35.64	-11.04	427.82	-39.28	-5.72	429.41	-142.25	1.75
485	10/5/2020 1:07	10/5/2020 1:09	0:01:40	-43.29	1.60	431.17	-46.42	9.11	432.54	-142.68	1.32
486	10/5/2020 1:10	10/5/2020 1:10	0:00:00	-47.50	12.36	433.01	-47.50	12.36	433.01	-143.43	0.57
487	10/5/2020 1:10	10/5/2020 1:20	0:09:40	-48.25	14.89	433.33	-48.00	69.64	433.35	-143.02	0.98
488	10/5/2020 1:24	10/5/2020 1:24	0:00:00	-39.65	88.76	429.90	-39.65	88.76	429.90	-143.74	0.26
489	10/5/2020 1:26	10/5/2020 1:27	0:01:10	-35.63	94.71	428.22	-32.63	98.50	426.98	-142.55	1.45
490	10/5/2020 1:28	10/5/2020 1:31	0:02:50	-29.96	101.53	425.90	-22.00	109.25	422.90	-141.81	2.19
491	10/5/2020 1:32	10/5/2020 1:35	0:02:30	-17.61	112.94	421.41	-10.12	118.69	419.25	-142.71	1.29
492	10/5/2020 1:36	10/5/2020 1:37	0:00:50	-5.56	121.99	418.20	-3.02	123.80	417.70	-143.62	0.38
493	10/5/2020 1:40	10/5/2020 1:41	0:01:10	4.63	129.19	416.62	8.18	131.74	416.34	-143.70	0.30
494	10/5/2020 1:41	10/5/2020 1:42	0:00:19	10.21	133.22	416.23	11.21	133.97	416.20	-143.84	0.16
495	10/5/2020 1:46	10/5/2020 1:47	0:00:41	24.49	144.86	416.67	26.38	146.65	416.86	-143.58	0.42
496	10/5/2020 1:47	10/5/2020 1:48	0:00:59	27.78	148.04	417.02	30.52	150.94	417.38	-143.06	0.94
497	10/5/2020 1:50	10/5/2020 1:56	0:06:40	34.05	155.09	417.91	48.10	-177.44	420.53	-141.68	2.32
498	10/5/2020 1:58	10/5/2020 1:59	0:01:00	50.00	-169.44	420.90	50.90	-163.78	421.07	-141.81	2.19
499	10/5/2020 2:00	10/5/2020 2:02	0:02:10	51.34	-159.90	421.15	51.76	-146.96	421.18	-141.46	2.54
500	10/5/2020 2:03	10/5/2020 2:05	0:01:49	51.24	-139.05	421.04	49.63	-128.65	420.65	-142.35	1.65
501	10/5/2020 2:06	10/5/2020 2:10	0:04:20	48.80	-125.08	420.45	40.90	-105.15	418.71	-143.03	0.97
502	10/5/2020 2:11	10/5/2020 2:17	0:06:50	39.38	-102.58	418.40	21.12	-81.77	415.73	-141.23	2.77
503	10/5/2020 2:18	10/5/2020 2:20	0:01:29	18.18	-79.31	415.55	13.71	-75.78	415.44	-142.26	1.74
504	10/5/2020 2:23	10/5/2020 2:23	0:00:41	5.12	-69.47	415.83	3.09	-68.03	416.04	-143.23	0.77
505	10/5/2020 2:25	10/5/2020 2:27	0:01:40	-3.03	-63.72	416.95	-8.12	-60.09	418.03	-142.61	1.39
506	10/5/2020 2:29	10/5/2020 2:29	0:00:30	-12.65	-56.74	419.21	-14.15	-55.59	419.65	-143.21	0.79
507	10/5/2020 2:30	10/5/2020 2:31	0:00:50	-17.63	-52.85	420.74	-20.08	-50.83	421.57	-142.98	1.02
508	10/5/2020 2:32	10/5/2020 2:33	0:00:40	-23.46	-47.88	422.78	-25.36	-46.12	423.51	-143.05	0.95
509	10/5/2020 2:34	10/5/2020 2:35	0:01:19	-27.69	-43.83	424.42	-31.33	-39.94	425.90	-141.77	2.23
510	10/5/2020 2:37	10/5/2020 2:38	0:01:31	-35.65	-34.62	427.74	-39.29	-29.29	429.31	-142.25	1.75
511	10/5/2020 2:40	10/5/2020 2:40	0:00:09	-43.30	-21.97	431.07	-43.63	-21.26	431.22	-143.71	0.29
512	10/5/2020 2:41	10/5/2020 2:42	0:01:29	-44.61	-19.07	431.64	-47.25	-12.03	432.79	-142.64	1.36
513	10/5/2020 2:44	10/5/2020 2:45	0:00:50	-49.93	-1.59	433.96	-50.72	3.08	434.30	-143.06	0.94
514	10/5/2020 2:46	10/5/2020 2:48	0:01:50	-51.30	7.89	434.56	-51.80	18.78	434.80	-142.16	1.84
515	10/5/2020 2:49	10/5/2020 2:53	0:04:10	-51.60	24.74	434.75	-47.49	47.75	433.16	-143.11	0.89
516	10/5/2020 2:54	10/5/2020 2:55	0:01:19	-45.52	53.34	432.36	-42.93	59.21	431.28	-143.38	0.62
517	10/5/2020 2:59	10/5/2020 3:00	0:01:21	-35.62	71.14	428.22	-32.18	75.44	426.80	-142.46	1.54
518	10/5/2020 3:01	10/5/2020 3:04	0:02:39	-29.50	78.44	425.72	-21.98	85.67	422.88	-141.73	2.27
519	10/5/2020 3:05	10/5/2020 3:06	0:00:30	-17.59	89.36	421.39	-16.11	90.55	420.92	-143.22	0.78
520	10/5/2020 3:08	10/5/2020 3:08	0:00:00	-7.58	96.96	418.60	-7.58	96.96	418.60	-143.94	0.06
521	10/5/2020 3:09	10/5/2020 3:10	0:00:50	-5.55	98.41	418.16	-3.00	100.22	417.66	-143.68	0.32
522	10/5/2020 3:13	10/5/2020 3:13	0:00:19	5.15	105.98	416.53	6.17	106.70	416.43	-143.89	0.11
523	10/5/2020 3:13	10/5/2020 3:14	0:00:20	7.69	107.80	416.32	8.70	108.53	416.26	-143.78	0.22
524	10/5/2020 3:14	10/5/2020 3:15	0:00:20	10.73	110.01	416.16	11.73	110.76	416.13	-143.94	0.06
525	10/5/2020 3:19	10/5/2020 3:20	0:00:39	24.51	121.28	416.62	26.40	123.08	416.82	-143.42	0.58
526	10/5/2020 3:20	10/5/2020 3:21	0:01:09	27.79	124.47	416.98	30.99	127.87	417.40	-143.08	0.92
527	10/5/2020 3:22	10/5/2020 3:29	0:06:50	33.63	130.98	417.80	48.11	159.00	420.49	-141.47	2.53
528	10/5/2020 3:31	10/5/2020 3:32	0:01:10	50.00	167.00	420.85	51.03	173.62	421.05	-141.85	2.15
529	10/5/2020 3:32	10/5/2020 3:35	0:02:21	51.34	176.54	421.10	51.72	-169.52	421.13	-141.41	2.59
530	10/5/2020 3:36	10/5/2020 3:38	0:01:40	51.13	-161.63	420.97	49.62	-152.21	420.61	-142.76	1.24
531	10/5/2020 3:38	10/5/2020 3:43	0:04:21	48.79	-148.64	420.41	40.89	-128.72	418.68	-143.02	0.98
532	10/5/2020 3:43	10/5/2020 3:50	0:07:10	39.75	-126.78	418.45	20.62	-104.93	415.70	-141.23	2.77
533	10/5/2020 3:51	10/5/2020 3:53	0:02:00	17.67	-102.49	415.54	11.69	-97.84	415.48	-142.33	1.67
534	10/5/2020 3:55	10/5/2020 3:56	0:01:40	7.65	-94.87	415.66	2.56	-91.25	416.14	-143.37	0.63
535	10/5/2020 3:58	10/5/2020 4:00	0:01:31	-3.05	-87.30	417.01	-7.62	-84.03	417.97	-142.76	1.24
536	10/5/2020 4:02	10/5/2020 4:02	0:00:20	-13.17	-79.93	419.42	-14.17	-79.17	419.72	-143.34	0.66
537	10/5/2020 4:03	10/5/2020 4:04	0:01:20	-16.65	-77.22	420.49	-20.58	-73.99	421.82	-142.60	1.40
538	10/5/2020 4:06	10/5/2020 4:06	0:00:20	-24.90	-70.14	423.41	-25.84	-69.24	423.77	-143.26	0.74
539	10/5/2020 4:06	10/5/2020 4:07	0:00:41	-27.24	-67.87	424.32	-29.08	-65.98	425.06	-141.54	2.46
540	10/5/2020 4:10	10/5/2020 4:11	0:01:21	-36.50	-57.05	428.18	-39.68	-52.23	429.56	-142.39	1.61

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)
541	10/5/2020 4:13	10/5/2020 4:13	0:00:10	-43.30	-45.54	431.15	-43.64	-44.83	431.29	-143.75	0.25
542	10/5/2020 4:14	10/5/2020 4:15	0:01:31	-44.62	-42.64	431.72	-47.25	-35.59	432.87	-142.62	1.38
543	10/5/2020 4:17	10/5/2020 4:18	0:00:39	-50.11	-24.23	434.10	-50.72	-20.48	434.37	-143.05	0.95
544	10/5/2020 4:19	10/5/2020 4:21	0:01:49	-51.39	-14.69	434.67	-51.78	-3.79	434.87	-142.25	1.75
545	10/5/2020 4:22	10/5/2020 4:24	0:02:00	-51.60	1.18	434.81	-50.25	12.73	434.31	-143.42	0.58
546	10/5/2020 4:24	10/5/2020 4:25	0:01:10	-49.72	15.48	434.11	-48.23	21.66	433.51	-143.14	0.86
547	10/5/2020 4:28	10/5/2020 4:28	0:00:20	-43.26	34.94	431.47	-42.57	36.34	431.18	-143.38	0.62
548	10/5/2020 4:29	10/5/2020 4:30	0:00:31	-40.39	40.35	430.27	-39.25	42.25	429.79	-143.55	0.45
549	10/5/2020 4:31	10/5/2020 4:33	0:01:20	-35.61	47.56	428.26	-32.17	51.86	426.84	-142.54	1.46
550	10/5/2020 4:34	10/5/2020 4:36	0:02:10	-28.11	56.30	425.22	-21.97	62.09	422.91	-141.44	2.56
551	10/5/2020 4:38	10/5/2020 4:41	0:02:41	-17.58	65.78	421.42	-9.59	71.91	419.11	-142.73	1.27
552	10/5/2020 4:41	10/5/2020 4:41	0:00:20	-8.07	73.01	418.74	-7.06	73.74	418.51	-143.78	0.22
553	10/5/2020 4:42	10/5/2020 4:43	0:00:50	-5.53	74.83	418.17	-2.99	76.64	417.67	-143.63	0.37
554	10/5/2020 4:52	10/5/2020 4:54	0:02:21	24.52	97.70	416.67	31.00	104.29	417.46	-143.16	0.84
555	10/5/2020 4:55	10/5/2020 5:02	0:06:31	33.64	107.40	417.87	47.61	133.74	420.50	-141.46	2.54
556	10/5/2020 5:05	10/5/2020 5:05	0:00:11	50.91	149.09	421.15	51.03	150.06	421.18	-142.72	1.28
557	10/5/2020 5:05	10/5/2020 5:08	0:02:10	51.43	153.96	421.25	51.72	166.91	421.27	-141.42	2.58
558	10/5/2020 5:09	10/5/2020 5:09	0:00:19	51.13	174.80	421.11	50.89	176.73	421.05	-142.64	1.36
559	10/5/2020 5:10	10/5/2020 5:11	0:00:50	50.48	179.59	420.95	49.61	-175.78	420.75	-143.70	0.30
560	10/5/2020 5:11	10/5/2020 5:23	0:11:50	48.56	-171.34	420.51	20.61	-128.51	415.81	-141.46	2.54
561	10/5/2020 5:24	10/5/2020 5:25	0:00:10	17.17	-125.67	415.63	16.68	-125.27	415.61	-143.60	0.40
562	10/5/2020 5:28	10/5/2020 5:29	0:01:29	7.13	-118.09	415.79	2.55	-114.83	416.23	-143.34	0.66
563	10/5/2020 5:31	10/5/2020 5:32	0:01:20	-3.06	-110.88	417.09	-7.13	-107.98	417.92	-142.87	1.13
564	10/5/2020 5:34	10/5/2020 5:35	0:00:30	-13.18	-103.52	419.49	-14.68	-102.37	419.93	-143.48	0.52
565	10/5/2020 5:36	10/5/2020 5:37	0:01:20	-16.66	-100.81	420.55	-20.59	-97.58	421.86	-142.61	1.39
566	10/5/2020 5:39	10/5/2020 5:41	0:02:11	-25.38	-93.27	423.63	-31.35	-87.10	426.02	-141.40	2.60
567	10/5/2020 5:42	10/5/2020 5:44	0:01:40	-35.67	-81.77	427.84	-39.69	-75.81	429.58	-142.50	1.50
568	10/5/2020 5:46	10/5/2020 5:48	0:02:10	-43.31	-69.12	431.15	-47.26	-59.17	432.86	-142.60	1.40
569	10/5/2020 5:50	10/5/2020 5:51	0:00:39	-50.11	-47.80	434.08	-50.72	-44.05	434.34	-143.10	0.90
570	10/5/2020 5:52	10/5/2020 5:54	0:01:51	-51.39	-38.26	434.64	-51.78	-27.36	434.83	-142.31	1.69
571	10/5/2020 5:54	10/5/2020 5:59	0:04:20	-51.60	-22.40	434.77	-47.21	1.43	433.05	-143.14	0.86
572	10/5/2020 6:00	10/5/2020 6:01	0:01:20	-45.20	6.96	432.22	-42.56	12.76	431.12	-143.37	0.63
573	10/5/2020 6:02	10/5/2020 6:03	0:00:41	-40.38	16.77	430.20	-38.85	19.28	429.56	-143.33	0.67
574	10/5/2020 6:04	10/5/2020 6:06	0:01:11	-35.18	24.54	428.02	-32.16	28.28	426.78	-142.64	1.36
575	10/5/2020 6:07	10/5/2020 6:09	0:02:39	-29.02	31.76	425.51	-21.48	38.93	422.68	-141.44	2.56

Max. Exceedance: 8.63 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	10/3/2020 1:25	10/3/2020 1:43	0:18:09	24.06	-58.97	177.99	-32.51	-12.93	230.75	-133.53	10.47
2	10/3/2020 1:46	10/3/2020 2:05	0:19:50	-39.83	-2.72	244.05	-34.64	98.27	290.85	-135.46	8.54
3	10/3/2020 2:08	10/3/2020 2:41	0:32:51	-26.83	107.04	288.31	51.25	-136.53	220.73	-133.86	10.14
4	10/3/2020 2:50	10/3/2020 2:56	0:05:30	33.72	-91.92	205.68	17.46	-75.97	204.50	-134.58	9.42
5	10/3/2020 2:59	10/3/2020 3:27	0:27:47	8.51	-69.12	207.06	-50.37	38.77	292.75	-135.54	8.46
6	10/3/2020 3:29	10/3/2020 3:47	0:17:31	-46.45	53.98	293.55	2.08	107.05	262.23	-135.70	8.30
7	10/3/2020 3:50	10/3/2020 4:12	0:22:19	10.49	113.11	255.52	49.74	-149.25	212.36	-133.47	10.53
8	10/3/2020 4:25	10/3/2020 5:03	0:37:49	17.99	-99.06	209.57	-37.71	48.63	290.70	-135.50	8.50
9	10/3/2020 5:06	10/3/2020 5:17	0:11:20	-30.22	58.11	286.58	4.39	85.97	260.38	-136.09	7.91
10	10/3/2020 5:20	10/3/2020 5:48	0:28:50	13.29	92.50	253.35	34.44	-138.21	206.87	-133.56	10.44
11	10/3/2020 5:54	10/3/2020 6:40	0:45:20	17.27	-121.20	209.82	-15.79	48.58	276.27	-135.24	8.76
12	10/3/2020 6:42	10/3/2020 6:55	0:12:31	-6.98	55.19	269.39	31.39	86.23	239.50	-136.24	7.76
13	10/3/2020 6:58	10/3/2020 7:15	0:17:31	38.86	96.16	233.66	40.63	-170.13	207.77	-133.70	10.30
14	10/3/2020 7:30	10/3/2020 8:10	0:40:10	-1.48	-130.09	221.02	-13.52	27.62	274.37	-135.50	8.50
15	10/3/2020 8:10	10/3/2020 8:23	0:12:59	-11.97	28.80	273.18	28.28	60.14	241.89	-136.56	7.44
16	10/3/2020 8:42	10/3/2020 9:09	0:26:50	46.14	155.34	209.86	-32.19	-126.83	254.44	-134.18	9.82
17	10/3/2020 10:05	10/3/2020 10:20	0:14:21	51.80	98.03	217.68	24.80	164.13	207.29	-134.03	9.97
18	10/3/2020 10:43	10/3/2020 11:08	0:25:30	-43.44	-132.23	270.10	-13.59	-17.85	274.23	-136.17	7.83
19	10/3/2020 11:09	10/3/2020 11:20	0:10:51	-12.04	-16.68	273.05	21.82	8.60	246.83	-136.94	7.06
20	10/3/2020 11:22	10/3/2020 12:10	0:47:21	30.12	16.67	240.58	-38.26	-164.19	262.06	-133.69	10.31
21	10/3/2020 12:13	10/3/2020 12:17	0:04:59	-44.61	-152.34	271.51	-51.30	-125.33	284.59	-136.06	7.94
22	10/3/2020 12:20	10/3/2020 13:03	0:43:09	-51.63	-108.96	289.02	51.72	49.37	218.58	-133.87	10.13
23	10/3/2020 13:06	10/3/2020 13:40	0:33:21	50.96	67.07	214.27	-39.71	175.40	268.23	-133.96	10.04
24	10/3/2020 13:42	10/3/2020 14:06	0:23:11	-45.77	-172.18	282.39	-17.88	-66.71	394.00	-136.83	7.17
25	10/3/2020 14:09	10/3/2020 14:12	0:03:00	-6.36	-58.01	403.19	2.78	-51.55	407.68	-142.11	1.89
26	10/3/2020 14:14	10/3/2020 14:36	0:21:22	8.35	-47.58	409.17	51.66	36.07	348.31	-138.67	5.33
27	10/3/2020 14:38	10/3/2020 15:09	0:30:49	49.48	52.62	331.15	-36.51	147.43	263.01	-135.02	8.98
28	10/3/2020 15:13	10/3/2020 15:26	0:12:29	-45.56	164.15	282.13	-45.47	-125.54	351.13	-137.12	6.88
29	10/3/2020 15:28	10/3/2020 15:42	0:13:21	-39.87	-114.18	364.20	-2.15	-78.16	406.48	-139.29	4.71
30	10/3/2020 15:42	10/3/2020 15:55	0:12:40	-0.12	-76.73	407.41	36.32	-44.51	399.39	-140.72	3.28
31	10/3/2020 16:26	10/3/2020 16:47	0:21:21	6.43	87.17	246.15	-50.27	158.10	299.44	-135.21	8.79
32	10/3/2020 16:50	10/3/2020 17:05	0:14:41	-51.79	175.17	315.53	-25.34	-119.50	386.83	-138.68	5.32
33	10/3/2020 17:08	10/3/2020 17:18	0:10:01	-17.10	-112.35	395.78	13.15	-90.29	410.42	-141.07	2.93
34	10/3/2020 17:49	10/3/2020 18:03	0:14:20	31.07	42.88	279.26	-13.38	78.34	241.49	-136.69	7.31
35	10/3/2020 18:06	10/3/2020 18:45	0:39:00	-22.14	85.50	245.91	2.21	-121.35	408.37	-135.47	8.53
36	10/3/2020 18:48	10/3/2020 19:10	0:21:40	10.79	-115.18	410.35	51.09	-26.46	342.35	-138.11	5.89
37	10/3/2020 19:17	10/3/2020 19:33	0:16:39	39.61	8.26	298.66	-10.37	52.94	240.79	-136.53	7.47
38	10/3/2020 19:36	10/3/2020 19:48	0:11:50	-19.23	59.87	243.81	-48.56	103.99	290.95	-135.69	8.31
39	10/3/2020 19:51	10/3/2020 20:14	0:23:40	-51.38	120.32	306.81	-2.71	-147.95	406.03	-137.73	6.27
40	10/3/2020 20:17	10/3/2020 20:46	0:28:20	5.91	-141.85	409.68	44.24	-23.76	415.91	-139.24	4.76
41	10/3/2020 20:46	10/3/2020 21:00	0:14:20	43.24	-21.59	415.68	3.84	19.48	412.29	-139.84	4.16
42	10/3/2020 21:03	10/3/2020 21:04	0:00:30	-4.84	25.60	413.64	-6.36	26.69	413.97	-141.29	2.71
43	10/3/2020 21:04	10/3/2020 21:34	0:30:00	-8.39	28.15	414.44	-38.99	154.28	426.51	-140.03	3.97
44	10/3/2020 21:37	10/3/2020 21:46	0:08:21	-31.88	163.84	423.61	-7.72	-175.10	415.64	-140.79	3.21
45	10/3/2020 22:03	10/3/2020 22:08	0:05:19	41.21	-129.77	415.94	50.12	-104.31	418.20	-139.36	4.64
46	10/3/2020 22:21	10/3/2020 22:36	0:15:59	39.47	-38.26	415.65	-6.51	3.22	414.34	-139.77	4.23
47	10/3/2020 22:37	10/3/2020 22:38	0:00:59	-8.03	4.32	414.67	-11.06	6.54	415.39	-142.60	1.40
48	10/3/2020 22:41	10/3/2020 23:19	0:38:40	-19.03	12.76	417.72	-4.50	163.63	414.54	-140.16	3.84
49	10/3/2020 23:20	10/3/2020 23:34	0:14:20	-2.46	165.07	414.18	38.66	-157.61	415.88	-140.73	3.27
50	10/4/2020 0:00	10/4/2020 0:11	0:11:59	22.94	-42.48	413.05	-13.29	-15.36	416.10	-141.04	2.96
51	10/4/2020 0:31	10/4/2020 0:52	0:20:50	-51.58	66.00	430.83	-3.78	140.57	414.33	-140.32	3.68
52	10/4/2020 0:53	10/4/2020 1:07	0:14:10	-2.25	141.65	414.07	38.43	178.47	415.75	-140.24	3.76
53	10/4/2020 1:10	10/4/2020 1:21	0:11:10	44.58	-170.05	417.02	48.88	-108.10	417.85	-139.37	4.63
54	10/4/2020 1:36	10/4/2020 1:44	0:07:21	10.36	-55.95	412.58	-12.00	-39.91	415.86	-140.97	3.03
55	10/4/2020 2:13	10/4/2020 2:25	0:12:29	-38.93	83.66	425.77	-3.56	117.15	414.21	-140.29	3.71
56	10/4/2020 2:26	10/4/2020 2:45	0:18:51	-2.03	118.23	413.95	47.86	175.47	417.53	-139.12	4.88
57	10/4/2020 2:45	10/4/2020 2:57	0:11:50	48.58	178.04	417.68	43.71	-116.88	416.54	-139.27	4.73
58	10/4/2020 2:57	10/4/2020 3:10	0:12:20	42.33	-114.05	416.25	8.62	-78.25	412.63	-139.84	4.16
59	10/4/2020 3:10	10/4/2020 3:12	0:01:21	7.10	-77.14	412.71	3.02	-74.24	413.06	-141.38	2.62
60	10/4/2020 3:14	10/4/2020 3:39	0:24:01	-5.64	-68.12	414.39	-50.67	27.45	430.59	-140.04	3.96

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)
61	10/4/2020 3:41	10/4/2020 3:52	0:10:29	-47.16	42.54	429.18	-21.83	79.55	419.08	-140.43	3.57
62	10/4/2020 3:55	10/4/2020 4:17	0:22:39	-13.46	86.36	416.45	47.97	152.27	417.60	-139.02	4.98
63	10/4/2020 4:18	10/4/2020 4:23	0:04:51	48.68	154.85	417.76	51.77	-177.31	418.41	-139.08	4.92
64	10/4/2020 4:26	10/4/2020 4:30	0:04:09	50.08	-160.79	418.02	43.56	-140.14	416.57	-141.31	2.69
65	10/4/2020 4:30	10/4/2020 4:49	0:18:10	42.17	-137.33	416.27	-9.41	-88.97	415.30	-139.91	4.09
66	10/4/2020 4:49	10/4/2020 5:21	0:32:10	-10.93	-87.85	415.68	-31.40	46.48	422.65	-140.09	3.91
67	10/4/2020 5:24	10/4/2020 5:36	0:12:10	-23.53	54.43	419.60	13.16	81.98	412.39	-141.01	2.99
68	10/4/2020 5:39	10/4/2020 6:03	0:23:39	21.55	88.77	412.72	43.06	-162.69	416.02	-139.19	4.81
69	10/4/2020 6:03	10/4/2020 6:21	0:18:09	42.00	-160.61	415.80	-9.66	-112.40	415.17	-139.89	4.11
70	10/4/2020 6:25	10/4/2020 6:57	0:32:19	-19.13	-105.06	417.94	-23.32	31.05	419.46	-139.85	4.15
71	10/4/2020 6:59	10/4/2020 7:23	0:23:20	-15.50	37.60	416.85	47.95	105.02	417.12	-139.38	4.62
72	10/4/2020 7:23	10/4/2020 7:24	0:00:40	48.66	107.60	417.28	49.51	111.16	417.46	-140.70	3.30
73	10/4/2020 7:27	10/4/2020 7:36	0:09:20	51.65	127.44	417.93	41.48	176.80	415.74	-139.55	4.45
74	10/4/2020 7:54	10/4/2020 8:03	0:09:09	-8.37	-136.91	414.87	-34.62	-112.98	423.81	-139.79	4.21
75	10/4/2020 8:06	10/4/2020 8:23	0:17:41	-41.38	-102.72	426.65	-39.78	-12.03	425.98	-140.19	3.81
76	10/4/2020 8:24	10/4/2020 8:30	0:05:50	-38.61	-10.17	425.49	-23.10	7.68	419.31	-140.23	3.77
77	10/4/2020 8:32	10/4/2020 9:07	0:34:31	-14.77	14.60	416.57	45.37	144.95	416.58	-139.38	4.62
78	10/4/2020 9:10	10/4/2020 9:40	0:30:30	39.42	156.78	415.35	-45.25	-118.12	428.30	-139.70	4.30
79	10/4/2020 9:43	10/4/2020 9:56	0:13:00	-49.56	-103.94	430.08	-39.60	-35.31	425.89	-140.48	3.52
80	10/4/2020 9:57	10/4/2020 9:58	0:01:29	-38.43	-33.46	425.40	-34.73	-28.26	423.85	-140.92	3.08
81	10/4/2020 9:59	10/4/2020 10:24	0:25:11	-33.44	-26.64	423.31	39.11	38.05	415.25	-140.07	3.93
82	10/4/2020 10:27	10/4/2020 10:28	0:01:40	45.12	49.77	416.49	47.93	57.81	417.09	-139.58	4.42
83	10/4/2020 10:29	10/4/2020 11:08	0:39:11	48.65	60.39	417.25	-33.73	-161.25	423.41	-139.28	4.72
84	10/4/2020 11:14	10/4/2020 11:31	0:17:30	-45.99	-139.79	428.55	-34.53	-51.57	423.72	-140.26	3.74
85	10/4/2020 11:32	10/4/2020 11:39	0:07:30	-32.80	-49.43	423.00	-11.30	-29.91	415.55	-139.65	4.35
86	10/4/2020 11:40	10/4/2020 12:06	0:26:20	-9.78	-28.79	415.17	51.80	62.11	417.95	-139.26	4.74
87	10/4/2020 12:09	10/4/2020 12:34	0:25:00	50.52	78.81	417.66	-14.11	156.65	416.34	-139.52	4.48
88	10/4/2020 12:34	10/4/2020 12:43	0:08:30	-15.60	157.81	416.78	-38.88	-177.67	425.51	-139.87	4.13
89	10/4/2020 12:46	10/4/2020 13:04	0:18:20	-44.92	-166.07	428.04	-33.90	-74.35	423.38	-140.38	3.62
90	10/4/2020 13:04	10/4/2020 13:05	0:01:00	-32.59	-72.76	422.85	-29.92	-69.73	421.77	-139.54	4.46
91	10/4/2020 13:08	10/4/2020 13:40	0:31:11	-21.94	-62.01	418.78	51.71	43.01	418.42	-139.37	4.63
92	10/4/2020 13:42	10/4/2020 14:15	0:33:10	49.76	59.40	418.20	-38.63	158.38	428.33	-139.58	4.42
93	10/4/2020 14:18	10/4/2020 14:37	0:18:31	-44.72	169.88	430.96	-33.77	-97.77	426.61	-140.50	3.50
94	10/4/2020 14:37	10/4/2020 14:45	0:07:01	-32.03	-95.68	425.89	-11.94	-77.54	418.89	-139.86	4.14
95	10/4/2020 14:47	10/4/2020 15:07	0:19:24	-3.33	-71.31	416.93	48.05	-12.49	419.94	-140.40	3.60
96	10/4/2020 15:07	10/4/2020 15:15	0:07:51	48.76	-9.90	420.08	49.85	35.38	420.16	-139.52	4.48
97	10/4/2020 15:18	10/4/2020 15:35	0:17:00	45.69	49.81	419.21	-0.40	99.54	415.95	-139.82	4.18
98	10/4/2020 15:36	10/4/2020 15:39	0:03:50	-2.44	100.97	416.29	-14.07	109.46	419.04	-141.75	2.25
99	10/4/2020 15:40	10/4/2020 15:47	0:06:50	-15.56	110.62	419.49	-34.74	129.29	426.72	-139.83	4.17
100	10/4/2020 15:50	10/4/2020 15:55	0:05:39	-41.48	139.59	429.63	-50.55	167.10	433.56	-140.81	3.19
101	10/4/2020 15:56	10/4/2020 15:58	0:02:21	-50.96	169.96	433.74	-51.79	-176.26	434.14	-140.64	3.36
102	10/4/2020 16:01	10/4/2020 16:10	0:08:49	-50.44	-159.67	433.66	-33.55	-121.10	426.73	-140.98	3.02
103	10/4/2020 16:10	10/4/2020 16:24	0:13:39	-31.80	-119.01	426.02	8.64	-86.41	415.70	-140.17	3.83
104	10/4/2020 17:13	10/4/2020 17:28	0:14:51	-17.10	88.25	419.87	-50.57	143.62	433.67	-139.87	4.13
105	10/4/2020 17:29	10/4/2020 17:43	0:14:00	-50.97	146.47	433.85	-33.51	-144.63	426.92	-140.45	3.55
106	10/4/2020 17:43	10/4/2020 17:49	0:06:09	-31.76	-142.55	426.21	-14.14	-126.39	419.93	-139.79	4.21
107	10/4/2020 17:52	10/4/2020 18:00	0:07:29	-6.07	-120.44	417.87	16.71	-103.88	415.69	-141.74	2.26
108	10/4/2020 18:17	10/4/2020 18:39	0:22:00	51.79	-33.02	420.50	4.08	49.20	415.04	-140.16	3.84
109	10/4/2020 18:54	10/4/2020 19:16	0:21:10	-39.69	89.31	428.75	-33.03	-167.63	426.73	-140.33	3.67
110	10/4/2020 19:16	10/4/2020 19:22	0:06:09	-31.26	-165.57	426.02	-13.59	-149.56	419.80	-140.03	3.97
111	10/4/2020 19:25	10/4/2020 19:40	0:14:39	-5.00	-143.26	417.68	37.45	-105.98	417.96	-140.99	3.01
112	10/4/2020 20:03	10/4/2020 20:19	0:15:59	31.13	2.80	416.03	-16.47	40.56	419.47	-140.16	3.84
113	10/4/2020 20:19	10/4/2020 20:27	0:07:49	-18.44	42.16	420.12	-39.54	65.47	428.64	-140.03	3.97
114	10/4/2020 20:30	10/4/2020 20:34	0:04:00	-45.14	76.53	431.13	-50.67	97.12	433.59	-140.85	3.15
115	10/4/2020 20:34	10/4/2020 20:41	0:07:10	-51.06	99.98	433.77	-47.83	140.99	432.73	-140.32	3.68
116	10/4/2020 20:44	10/4/2020 20:48	0:04:10	-42.69	154.03	430.66	-32.76	169.10	426.59	-140.75	3.25
117	10/4/2020 20:49	10/4/2020 20:56	0:07:11	-30.99	171.15	425.88	-10.27	-170.65	418.87	-140.21	3.79
118	10/4/2020 21:13	10/4/2020 21:18	0:05:29	37.29	-129.80	417.90	48.28	-106.06	419.92	-140.15	3.85
119	10/4/2020 21:19	10/4/2020 21:48	0:29:10	49.17	-102.56	420.08	-5.96	9.13	416.62	-139.47	4.53
120	10/4/2020 21:51	10/4/2020 21:51	0:00:31	-14.53	15.46	418.86	-16.03	16.63	419.32	-142.13	1.87

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)
121	10/4/2020 21:52	10/4/2020 22:06	0:13:29	-18.50	18.61	420.13	-49.71	68.06	433.11	-140.13	3.87
122	10/4/2020 22:08	10/4/2020 22:21	0:12:49	-51.70	84.35	434.02	-32.71	145.58	426.48	-140.75	3.25
123	10/4/2020 22:22	10/4/2020 22:42	0:19:49	-30.94	147.62	425.77	27.70	-164.86	416.50	-140.34	3.66
124	10/4/2020 22:45	10/4/2020 22:51	0:06:30	35.26	-156.18	417.58	48.54	-128.68	420.02	-139.93	4.07
125	10/4/2020 22:52	10/4/2020 22:54	0:02:10	49.20	-126.04	420.14	51.23	-113.85	420.50	-139.67	4.33
126	10/4/2020 22:57	10/4/2020 23:17	0:20:31	51.64	-96.95	420.48	5.19	-22.35	415.00	-139.66	4.34
127	10/4/2020 23:20	10/4/2020 23:24	0:04:21	-3.48	-16.23	416.22	-16.58	-6.52	419.59	-140.59	3.41
128	10/4/2020 23:25	10/4/2020 23:39	0:14:39	-18.06	-5.33	420.07	-50.70	50.16	433.58	-140.13	3.87
129	10/4/2020 23:40	10/4/2020 23:54	0:14:20	-51.08	53.03	433.75	-32.22	122.57	426.22	-139.99	4.01
130	10/4/2020 23:55	10/5/2020 0:23	0:28:00	-30.44	124.59	425.51	47.06	-157.23	419.63	-140.00	4.00
131	10/5/2020 0:26	10/5/2020 0:31	0:04:59	50.63	-142.14	420.34	50.91	-112.58	420.32	-139.53	4.47
132	10/5/2020 0:47	10/5/2020 0:59	0:11:30	13.73	-52.20	415.15	-21.04	-26.42	421.91	-140.56	3.44
133	10/5/2020 0:59	10/5/2020 1:20	0:20:40	-22.49	-25.16	422.45	-48.00	69.64	433.35	-140.06	3.94
134	10/5/2020 1:23	10/5/2020 1:27	0:04:20	-42.24	84.17	430.98	-31.75	99.53	426.62	-140.65	3.35
135	10/5/2020 1:28	10/5/2020 1:57	0:29:00	-30.41	101.03	426.08	48.57	-175.72	420.62	-139.78	4.22
136	10/5/2020 1:57	10/5/2020 2:20	0:22:40	49.23	-173.07	420.75	13.71	-75.78	415.44	-139.33	4.67
137	10/5/2020 2:23	10/5/2020 2:31	0:08:41	5.12	-69.47	415.83	-21.05	-50.00	421.91	-140.71	3.29
138	10/5/2020 2:32	10/5/2020 2:45	0:13:10	-22.98	-48.31	422.61	-50.85	4.03	434.36	-139.87	4.13
139	10/5/2020 2:46	10/5/2020 2:56	0:09:50	-51.20	6.92	434.51	-42.58	59.91	431.13	-140.26	3.74
140	10/5/2020 2:58	10/5/2020 3:00	0:01:40	-36.04	70.58	428.39	-31.74	75.95	426.62	-140.56	3.44
141	10/5/2020 3:01	10/5/2020 3:06	0:05:01	-30.40	77.46	426.08	-16.11	90.55	420.92	-139.83	4.17
142	10/5/2020 3:08	10/5/2020 3:30	0:21:10	-7.58	96.96	418.60	48.58	160.72	420.58	-139.57	4.43
143	10/5/2020 3:30	10/5/2020 4:04	0:34:09	49.23	163.36	420.71	-21.06	-73.58	421.99	-139.33	4.67
144	10/5/2020 4:05	10/5/2020 4:07	0:02:10	-22.99	-71.88	422.69	-29.08	-65.98	425.06	-139.64	4.36
145	10/5/2020 4:10	10/5/2020 4:18	0:08:11	-36.50	-57.05	428.18	-50.85	-19.53	434.43	-140.49	3.51
146	10/5/2020 4:19	10/5/2020 4:25	0:06:40	-51.20	-16.64	434.58	-48.23	21.66	433.51	-140.35	3.65
147	10/5/2020 4:28	10/5/2020 5:02	0:33:41	-43.26	34.94	431.47	47.61	133.74	420.50	-139.54	4.46
148	10/5/2020 5:05	10/5/2020 5:25	0:20:00	50.91	149.09	421.15	16.68	-125.27	415.61	-139.52	4.48
149	10/5/2020 5:27	10/5/2020 5:37	0:09:50	8.14	-118.82	415.72	-21.56	-96.74	422.21	-140.71	3.29
150	10/5/2020 5:38	10/5/2020 6:11	0:32:49	-23.48	-95.03	422.91	-17.57	42.20	421.36	-139.50	4.50

Max. Exceedance: 10.53 dB

Table 3 Approach GN 6Mbps (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	10/3/2020 1:25	10/3/2020 2:15	0:50:20	24.06	-58.97	177.99	-6.60	123.57	277.59	-135.95	8.05
2	10/3/2020 2:16	10/3/2020 3:34	1:18:26	-4.50	125.07	276.28	-36.20	73.51	290.11	-136.27	7.73
3	10/3/2020 3:34	10/3/2020 3:42	0:07:10	-34.90	75.25	289.43	-14.14	95.29	275.17	-140.07	3.93
4	10/3/2020 3:42	10/3/2020 3:44	0:02:11	-12.59	96.48	273.96	-5.81	101.45	268.58	-139.68	4.32
5	10/3/2020 3:45	10/3/2020 5:11	1:26:10	-4.24	102.58	267.31	-13.94	72.73	274.96	-135.89	8.11
6	10/3/2020 5:12	10/3/2020 6:40	1:28:40	-12.39	73.91	273.75	-14.25	49.78	275.09	-135.98	8.02
7	10/3/2020 6:41	10/3/2020 8:09	1:28:40	-12.18	51.35	273.49	-14.04	27.23	274.77	-136.11	7.89
8	10/3/2020 8:10	10/3/2020 9:39	1:28:40	-11.97	28.80	273.18	-13.82	4.68	274.49	-135.95	8.05
9	10/3/2020 9:39	10/3/2020 11:08	1:28:31	-11.75	6.25	272.91	-14.10	-18.25	274.62	-135.96	8.04
10	10/3/2020 11:09	10/3/2020 12:37	1:28:40	-12.04	-16.68	273.05	-13.86	-40.77	274.28	-136.11	7.89
11	10/3/2020 12:38	10/3/2020 13:52	1:14:00	-11.79	-39.20	272.72	-49.63	-116.36	335.79	-136.29	7.71
12	10/3/2020 13:54	10/3/2020 13:58	0:03:50	-47.03	-106.68	345.56	-39.21	-89.97	364.42	-140.32	3.68
13	10/3/2020 13:58	10/3/2020 14:00	0:02:09	-37.61	-87.51	367.44	-32.05	-80.26	376.65	-142.64	1.36
14	10/3/2020 14:03	10/3/2020 14:03	0:00:50	-26.56	-74.41	384.28	-24.19	-72.16	387.19	-143.15	0.85
15	10/3/2020 14:08	10/3/2020 14:08	0:00:00	-11.90	-62.07	399.26	-11.90	-62.07	399.26	-143.70	0.30
16	10/3/2020 14:15	10/3/2020 14:15	0:00:21	10.86	-45.74	409.53	11.87	-44.99	409.61	-143.28	0.72
17	10/3/2020 14:19	10/3/2020 14:22	0:02:30	23.15	-35.82	408.11	30.13	-28.94	404.60	-143.13	0.87
18	10/3/2020 14:22	10/3/2020 14:27	0:05:01	31.47	-27.44	403.65	43.43	-9.36	389.59	-141.68	2.32
19	10/3/2020 14:28	10/3/2020 15:30	1:01:51	44.43	-7.17	387.73	-37.07	-109.86	369.51	-137.44	6.56
20	10/3/2020 15:30	10/3/2020 15:36	0:05:50	-35.40	-107.56	372.43	-19.21	-90.94	393.76	-142.03	1.97
21	10/3/2020 15:39	10/3/2020 15:39	0:00:11	-11.76	-85.09	400.41	-11.26	-84.72	400.80	-143.78	0.22
22	10/3/2020 15:52	10/3/2020 15:53	0:00:30	28.89	-53.40	405.65	30.25	-51.94	404.74	-143.32	0.68
23	10/3/2020 15:54	10/3/2020 15:57	0:02:19	34.64	-46.75	401.10	40.29	-38.43	394.46	-143.10	0.90
24	10/3/2020 15:57	10/3/2020 16:00	0:03:00	41.41	-36.46	392.80	47.18	-23.03	381.18	-141.06	2.94
25	10/3/2020 16:01	10/3/2020 17:01	0:59:31	48.44	-18.79	377.46	-36.95	-132.82	369.58	-137.63	6.37
26	10/3/2020 17:01	10/3/2020 17:07	0:05:51	-35.28	-130.52	372.50	-19.06	-113.96	393.85	-142.10	1.90
27	10/3/2020 17:10	10/3/2020 17:10	0:00:09	-11.61	-108.12	400.50	-11.11	-107.74	400.89	-143.48	0.52
28	10/3/2020 17:23	10/3/2020 17:24	0:00:39	28.56	-76.87	406.02	30.38	-74.93	404.82	-142.93	1.07
29	10/3/2020 17:25	10/3/2020 17:28	0:02:19	34.33	-70.27	401.57	40.02	-62.01	395.03	-143.09	0.91
30	10/3/2020 17:28	10/3/2020 17:31	0:03:11	41.14	-60.06	393.39	47.26	-45.92	381.18	-141.01	2.99
31	10/3/2020 17:32	10/3/2020 17:43	0:11:19	48.51	-41.67	377.45	44.46	22.02	312.27	-140.25	3.75
32	10/3/2020 17:44	10/3/2020 18:32	0:47:49	43.44	24.27	309.13	-36.42	-155.20	370.32	-137.88	6.12
33	10/3/2020 18:32	10/3/2020 18:38	0:06:00	-35.15	-153.49	372.50	-18.43	-136.56	394.37	-142.07	1.93
34	10/3/2020 18:41	10/3/2020 18:41	0:00:10	-11.46	-131.13	400.54	-10.96	-130.76	400.92	-143.26	0.74
35	10/3/2020 18:54	10/3/2020 18:55	0:00:40	28.70	-99.86	406.08	30.51	-97.91	404.88	-142.98	1.02
36	10/3/2020 18:56	10/3/2020 18:58	0:02:10	34.46	-93.24	401.63	39.75	-85.60	395.60	-143.05	0.95
37	10/3/2020 18:59	10/3/2020 19:02	0:03:09	41.25	-83.00	393.43	47.33	-68.81	381.19	-141.12	2.88
38	10/3/2020 19:03	10/3/2020 19:14	0:11:21	48.58	-64.54	377.46	44.37	-0.89	312.17	-140.52	3.48
39	10/3/2020 19:15	10/3/2020 20:03	0:47:50	43.35	1.35	309.03	-36.29	-178.15	370.13	-138.10	5.90
40	10/3/2020 20:03	10/3/2020 20:07	0:03:39	-35.02	-176.45	372.32	-25.05	-165.49	386.69	-142.05	1.95
41	10/3/2020 20:30	10/3/2020 20:33	0:02:30	42.14	-104.47	416.13	46.91	-93.24	417.01	-141.91	2.09
42	10/3/2020 20:34	10/3/2020 20:35	0:01:01	49.10	-85.57	417.42	50.23	-80.10	417.61	-141.66	2.34
43	10/3/2020 20:36	10/3/2020 20:38	0:02:00	50.69	-77.27	417.69	51.74	-65.51	417.83	-141.98	2.02
44	10/3/2020 20:42	10/3/2020 20:42	0:00:09	49.92	-42.05	417.26	49.73	-41.13	417.22	-143.88	0.12
45	10/3/2020 20:43	10/3/2020 20:43	0:00:09	48.92	-37.54	417.01	48.70	-36.66	416.96	-143.73	0.27
46	10/3/2020 20:43	10/3/2020 20:43	0:00:00	47.99	-34.07	416.79	47.99	-34.07	416.79	-143.92	0.08
47	10/3/2020 20:45	10/3/2020 20:45	0:00:50	46.10	-28.34	416.34	44.56	-24.50	415.98	-143.73	0.27
48	10/3/2020 20:46	10/3/2020 20:47	0:00:30	42.89	-20.88	415.60	41.83	-18.81	415.37	-143.14	0.86
49	10/3/2020 20:48	10/3/2020 20:49	0:01:11	39.20	-14.26	414.81	36.38	-10.06	414.24	-143.75	0.25
50	10/3/2020 20:50	10/3/2020 20:55	0:04:50	33.41	-6.18	413.69	19.90	7.30	412.00	-142.25	1.75
51	10/3/2020 20:56	10/3/2020 20:56	0:00:00	17.94	8.93	411.88	17.94	8.93	411.88	-143.79	0.21
52	10/3/2020 20:57	10/3/2020 20:57	0:00:00	15.46	10.91	411.80	15.46	10.91	411.80	-143.59	0.41
53	10/3/2020 21:02	10/3/2020 21:03	0:00:31	-1.27	23.07	412.98	-2.80	24.15	413.25	-143.80	0.20
54	10/3/2020 21:03	10/3/2020 21:03	0:00:00	-4.84	25.60	413.64	-4.84	25.60	413.64	-143.71	0.29
55	10/3/2020 21:06	10/3/2020 21:06	0:00:20	-13.43	31.89	415.80	-14.43	32.66	416.10	-143.98	0.02
56	10/3/2020 21:07	10/3/2020 21:08	0:00:50	-15.92	33.83	416.56	-18.39	35.81	417.38	-143.28	0.72
57	10/3/2020 21:08	10/3/2020 21:09	0:00:39	-19.86	37.03	417.88	-21.81	38.70	418.58	-143.75	0.25
58	10/3/2020 21:10	10/3/2020 21:10	0:00:09	-24.68	41.29	419.66	-25.15	41.73	419.85	-143.88	0.12
59	10/3/2020 21:11	10/3/2020 21:12	0:01:00	-28.42	44.95	421.15	-31.14	47.89	422.28	-142.72	1.28
60	10/3/2020 21:14	10/3/2020 21:15	0:00:50	-35.90	53.76	424.33	-37.94	56.67	425.23	-143.51	0.49

Table 3 Approach GN 6Mbps (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)
61	10/3/2020 21:17	10/3/2020 21:19	0:01:51	-42.47	64.39	427.25	-46.02	72.49	428.84	-142.76	1.24
62	10/3/2020 21:21	10/3/2020 21:22	0:00:19	-49.67	85.20	430.47	-50.04	87.03	430.63	-143.48	0.52
63	10/3/2020 21:22	10/3/2020 21:24	0:01:40	-50.80	91.72	430.99	-51.69	101.48	431.42	-142.67	1.33
64	10/3/2020 21:26	10/3/2020 21:26	0:00:11	-51.49	114.40	431.44	-51.41	115.38	431.41	-143.94	0.06
65	10/3/2020 21:28	10/3/2020 21:28	0:00:20	-50.31	124.01	431.03	-49.97	125.86	430.91	-143.82	0.18
66	10/3/2020 21:31	10/3/2020 21:31	0:00:19	-46.78	137.97	429.68	-46.21	139.57	429.45	-143.49	0.51
67	10/3/2020 21:33	10/3/2020 21:33	0:00:09	-42.69	147.73	428.03	-42.34	148.42	427.89	-142.45	1.55
68	10/3/2020 21:34	10/3/2020 21:34	0:00:00	-40.15	152.40	426.99	-40.15	152.40	426.99	-143.69	0.31
69	10/3/2020 21:35	10/3/2020 21:35	0:00:09	-38.60	154.90	426.35	-38.20	155.51	426.19	-143.25	0.75
70	10/3/2020 21:35	10/3/2020 21:36	0:00:09	-36.58	157.87	425.52	-36.17	158.44	425.35	-143.71	0.29
71	10/3/2020 21:37	10/3/2020 21:37	0:00:39	-33.63	161.75	424.32	-31.88	163.84	423.61	-143.32	0.68
72	10/3/2020 21:38	10/3/2020 21:39	0:01:40	-30.54	165.35	423.08	-25.93	170.09	421.30	-143.21	0.79
73	10/3/2020 21:41	10/3/2020 21:42	0:00:30	-20.67	174.85	419.41	-19.21	176.08	418.91	-143.62	0.38
74	10/3/2020 21:58	10/3/2020 21:58	0:00:20	29.07	-146.17	414.03	29.98	-145.19	414.15	-143.36	0.64
75	10/3/2020 22:00	10/3/2020 22:02	0:02:10	33.97	-140.56	414.72	39.32	-133.00	415.60	-143.32	0.68
76	10/3/2020 22:03	10/3/2020 22:04	0:00:59	41.58	-129.10	416.01	43.67	-124.92	416.40	-142.99	1.01
77	10/3/2020 22:04	10/3/2020 22:06	0:01:20	44.66	-122.72	416.58	47.03	-116.46	417.02	-141.95	2.05
78	10/3/2020 22:07	10/3/2020 22:08	0:00:59	49.20	-108.75	417.42	50.29	-103.37	418.24	-141.78	2.22
79	10/3/2020 22:09	10/3/2020 22:11	0:01:51	50.87	-99.58	418.35	51.75	-88.76	418.51	-141.98	2.02
80	10/3/2020 22:15	10/3/2020 22:15	0:00:10	49.86	-65.33	418.01	49.67	-64.42	417.96	-143.89	0.11
81	10/3/2020 22:15	10/3/2020 22:16	0:00:10	48.85	-60.83	417.77	48.63	-59.96	417.71	-143.76	0.24
82	10/3/2020 22:16	10/3/2020 22:16	0:00:00	47.91	-57.38	417.55	47.91	-57.38	417.55	-143.93	0.07
83	10/3/2020 22:17	10/3/2020 22:18	0:00:50	46.01	-51.66	417.10	44.46	-47.84	416.75	-143.77	0.23
84	10/3/2020 22:19	10/3/2020 22:19	0:00:11	42.79	-44.24	416.37	42.43	-43.54	416.30	-143.16	0.84
85	10/3/2020 22:21	10/3/2020 22:22	0:01:20	39.08	-37.64	415.57	35.84	-32.89	414.92	-143.77	0.23
86	10/3/2020 22:23	10/3/2020 22:28	0:04:40	32.84	-29.07	414.36	19.76	-16.15	412.66	-142.19	1.81
87	10/3/2020 22:29	10/3/2020 22:30	0:00:10	15.31	-12.55	412.43	14.81	-12.16	412.41	-143.29	0.71
88	10/3/2020 22:35	10/3/2020 22:35	0:00:30	-1.41	-0.40	413.42	-2.94	0.68	413.67	-143.64	0.36
89	10/3/2020 22:36	10/3/2020 22:36	0:00:00	-4.98	2.13	414.04	-4.98	2.13	414.04	-143.68	0.32
90	10/3/2020 22:39	10/3/2020 22:40	0:01:09	-14.57	9.20	416.35	-18.04	11.95	417.40	-143.46	0.54
91	10/3/2020 22:41	10/3/2020 22:42	0:00:50	-19.52	13.16	417.88	-21.95	15.24	418.70	-143.68	0.32
92	10/3/2020 22:43	10/3/2020 22:43	0:00:00	-24.82	17.84	419.73	-24.82	17.84	419.73	-143.96	0.04
93	10/3/2020 22:44	10/3/2020 22:45	0:01:01	-28.55	21.52	421.15	-31.27	24.46	422.23	-142.77	1.23
94	10/3/2020 22:47	10/3/2020 22:48	0:00:50	-36.02	30.35	424.18	-38.06	33.27	425.04	-143.48	0.52
95	10/3/2020 22:50	10/3/2020 22:52	0:01:51	-42.57	41.02	426.95	-46.11	49.15	428.45	-142.58	1.42
96	10/3/2020 22:54	10/3/2020 22:54	0:00:31	-49.54	60.99	429.89	-50.09	63.73	430.12	-143.70	0.30
97	10/3/2020 22:55	10/3/2020 22:57	0:01:40	-50.84	68.43	430.44	-51.70	78.20	430.81	-142.74	1.26
98	10/3/2020 22:59	10/3/2020 22:59	0:00:11	-51.47	91.12	430.75	-51.39	92.10	430.72	-143.93	0.07
99	10/3/2020 23:01	10/3/2020 23:01	0:00:50	-50.26	100.72	430.30	-49.35	105.29	429.95	-143.76	0.24
100	10/3/2020 23:03	10/3/2020 23:04	0:00:20	-46.69	114.64	428.89	-46.12	116.23	428.67	-143.48	0.52
101	10/3/2020 23:06	10/3/2020 23:06	0:00:09	-42.59	124.37	427.23	-42.23	125.05	427.09	-142.90	1.10
102	10/3/2020 23:07	10/3/2020 23:08	0:00:11	-38.48	131.51	425.55	-38.08	132.12	425.38	-143.06	0.94
103	10/3/2020 23:08	10/3/2020 23:08	0:00:10	-36.45	134.47	424.72	-36.04	135.04	424.55	-143.71	0.29
104	10/3/2020 23:09	10/3/2020 23:10	0:00:39	-33.49	138.34	423.53	-31.74	140.43	422.83	-143.29	0.71
105	10/3/2020 23:11	10/3/2020 23:12	0:01:39	-30.40	141.93	422.31	-25.79	146.66	420.57	-142.98	1.02
106	10/3/2020 23:14	10/3/2020 23:15	0:00:50	-20.52	151.41	418.73	-18.07	153.45	417.94	-143.47	0.53
107	10/3/2020 23:30	10/3/2020 23:30	0:00:30	26.44	-172.40	413.87	27.84	-171.01	414.05	-143.84	0.16
108	10/3/2020 23:31	10/3/2020 23:31	0:00:21	29.22	-169.58	414.25	30.13	-168.60	414.38	-143.15	0.85
109	10/3/2020 23:32	10/3/2020 23:35	0:02:10	34.11	-163.95	415.03	39.44	-156.37	416.03	-143.25	0.75
110	10/3/2020 23:36	10/3/2020 23:37	0:00:50	42.05	-151.78	416.56	43.78	-148.26	416.92	-143.03	0.97
111	10/3/2020 23:37	10/3/2020 23:39	0:01:21	44.76	-146.05	417.13	47.11	-139.77	417.63	-141.95	2.05
112	10/3/2020 23:40	10/3/2020 23:41	0:01:00	49.26	-132.04	418.08	50.36	-126.54	418.31	-141.87	2.13
113	10/3/2020 23:42	10/3/2020 23:43	0:01:40	50.93	-122.73	418.43	51.73	-112.90	418.58	-141.98	2.02
114	10/3/2020 23:48	10/3/2020 23:48	0:00:00	49.78	-88.51	418.07	49.78	-88.51	418.07	-143.90	0.10
115	10/3/2020 23:48	10/3/2020 23:48	0:00:09	48.75	-84.02	417.83	48.53	-83.15	417.78	-143.75	0.25
116	10/3/2020 23:49	10/3/2020 23:49	0:00:00	47.80	-80.58	417.61	47.80	-80.58	417.61	-143.91	0.09
117	10/3/2020 23:50	10/3/2020 23:51	0:00:51	45.88	-74.90	417.16	44.32	-71.09	416.81	-143.79	0.21
118	10/3/2020 23:52	10/3/2020 23:52	0:00:09	42.63	-67.51	416.43	42.28	-66.81	416.35	-143.12	0.88
119	10/3/2020 23:54	10/3/2020 23:55	0:01:20	38.91	-60.94	415.63	35.66	-56.21	414.98	-143.78	0.22
120	10/3/2020 23:56	10/4/2020 0:01	0:04:40	32.65	-52.41	414.42	19.54	-39.54	412.76	-142.16	1.84

Table 3 Approach GN 6Mbps (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)
121	10/4/2020 0:02	10/4/2020 0:02	0:00:11	15.09	-35.96	412.53	14.60	-35.57	412.52	-143.54	0.46
122	10/4/2020 0:05	10/4/2020 0:05	0:00:00	5.51	-28.86	412.75	5.51	-28.86	412.75	-143.98	0.02
123	10/4/2020 0:08	10/4/2020 0:08	0:00:19	-2.14	-23.45	413.65	-3.16	-22.73	413.82	-143.53	0.47
124	10/4/2020 0:09	10/4/2020 0:09	0:00:19	-4.69	-21.65	414.10	-5.71	-20.92	414.30	-143.55	0.45
125	10/4/2020 0:12	10/4/2020 0:12	0:00:11	-14.79	-14.21	416.52	-15.29	-13.82	416.67	-143.90	0.10
126	10/4/2020 0:13	10/4/2020 0:13	0:00:21	-16.78	-12.65	417.11	-17.76	-11.85	417.42	-143.75	0.25
127	10/4/2020 0:14	10/4/2020 0:14	0:00:50	-19.73	-10.23	418.05	-22.15	-8.15	418.88	-143.67	0.33
128	10/4/2020 0:17	10/4/2020 0:18	0:00:50	-28.75	-1.85	421.33	-31.01	0.60	422.22	-142.80	1.20
129	10/4/2020 0:20	10/4/2020 0:20	0:00:50	-36.20	7.02	424.34	-38.23	9.96	425.19	-143.47	0.53
130	10/4/2020 0:22	10/4/2020 0:24	0:01:51	-42.72	17.75	427.09	-46.23	25.91	428.57	-142.40	1.60
131	10/4/2020 0:27	10/4/2020 0:27	0:00:20	-49.62	37.81	429.98	-49.99	39.63	430.14	-143.80	0.20
132	10/4/2020 0:28	10/4/2020 0:30	0:01:40	-50.90	45.27	430.51	-51.72	55.06	430.86	-142.85	1.15
133	10/4/2020 0:32	10/4/2020 0:32	0:00:11	-51.43	67.97	430.78	-51.35	68.95	430.74	-143.91	0.09
134	10/4/2020 0:33	10/4/2020 0:34	0:00:39	-50.35	76.61	430.36	-49.66	80.30	430.09	-143.74	0.26
135	10/4/2020 0:36	10/4/2020 0:36	0:00:20	-46.57	91.41	428.86	-46.00	93.00	428.63	-143.49	0.51
136	10/4/2020 0:38	10/4/2020 0:39	0:00:11	-42.44	101.09	427.16	-42.08	101.77	427.02	-143.25	0.75
137	10/4/2020 0:40	10/4/2020 0:41	0:00:59	-38.31	108.20	425.46	-35.86	111.71	424.46	-142.99	1.01
138	10/4/2020 0:42	10/4/2020 0:43	0:00:40	-33.30	115.00	423.42	-31.55	117.07	422.72	-143.18	0.82
139	10/4/2020 0:43	10/4/2020 0:45	0:01:40	-30.20	118.57	422.19	-25.58	123.28	420.45	-142.74	1.26
140	10/4/2020 0:47	10/4/2020 0:48	0:00:49	-20.31	128.01	418.60	-17.86	130.04	417.82	-143.29	0.71
141	10/4/2020 1:02	10/4/2020 1:04	0:01:21	26.64	164.22	413.80	30.32	168.04	414.32	-142.66	1.34
142	10/4/2020 1:05	10/4/2020 1:07	0:02:10	34.29	172.71	414.98	39.61	-179.67	415.99	-143.17	0.83
143	10/4/2020 1:09	10/4/2020 1:10	0:00:50	42.21	-175.06	416.52	43.93	-171.52	416.88	-143.00	1.00
144	10/4/2020 1:10	10/4/2020 1:11	0:01:20	44.90	-169.30	417.09	47.23	-162.98	417.59	-141.79	2.21
145	10/4/2020 1:13	10/4/2020 1:14	0:00:59	49.35	-155.23	418.05	50.42	-149.70	418.28	-141.82	2.18
146	10/4/2020 1:14	10/4/2020 1:16	0:01:51	50.85	-146.85	418.37	51.74	-136.04	418.54	-141.97	2.03
147	10/4/2020 1:20	10/4/2020 1:20	0:00:00	49.70	-111.68	418.04	49.70	-111.68	418.04	-143.91	0.09
148	10/4/2020 1:21	10/4/2020 1:21	0:00:11	48.66	-107.22	417.79	48.43	-106.35	417.74	-143.75	0.25
149	10/4/2020 1:22	10/4/2020 1:22	0:00:00	47.69	-103.79	417.57	47.69	-103.79	417.57	-143.86	0.14
150	10/4/2020 1:23	10/4/2020 1:24	0:00:30	45.45	-97.36	417.06	44.51	-95.09	416.85	-143.80	0.20
151	10/4/2020 1:25	10/4/2020 1:25	0:00:10	42.48	-90.78	416.40	42.13	-90.09	416.32	-143.08	0.92
152	10/4/2020 1:26	10/4/2020 1:28	0:01:20	38.74	-84.25	415.61	35.47	-79.54	414.96	-143.79	0.21
153	10/4/2020 1:29	10/4/2020 1:33	0:04:40	32.45	-75.76	414.41	19.33	-62.94	412.78	-142.20	1.80
154	10/4/2020 1:35	10/4/2020 1:35	0:00:00	14.38	-58.98	412.57	14.38	-58.98	412.57	-143.69	0.31
155	10/4/2020 1:38	10/4/2020 1:38	0:00:11	5.29	-52.27	412.84	4.78	-51.91	412.88	-143.79	0.21
156	10/4/2020 1:41	10/4/2020 1:41	0:00:09	-2.88	-46.51	413.86	-3.39	-46.15	413.95	-143.69	0.31
157	10/4/2020 1:41	10/4/2020 1:42	0:00:30	-4.91	-45.07	414.23	-6.44	-43.98	414.54	-143.39	0.61
158	10/4/2020 1:46	10/4/2020 1:46	0:00:00	-17.48	-35.65	417.45	-17.48	-35.65	417.45	-143.97	0.03
159	10/4/2020 1:46	10/4/2020 1:47	0:01:00	-19.45	-34.04	418.08	-22.36	-31.54	419.08	-143.71	0.29
160	10/4/2020 1:49	10/4/2020 1:49	0:00:00	-27.10	-27.10	420.82	-27.10	-27.10	420.82	-143.81	0.19
161	10/4/2020 1:49	10/4/2020 1:50	0:01:00	-28.49	-25.69	421.36	-31.21	-22.76	422.44	-142.78	1.22
162	10/4/2020 1:52	10/4/2020 1:53	0:00:59	-35.96	-16.88	424.39	-38.40	-13.36	425.41	-143.45	0.55
163	10/4/2020 1:55	10/4/2020 1:57	0:01:49	-42.87	-5.53	427.30	-46.36	2.68	428.76	-142.47	1.53
164	10/4/2020 2:00	10/4/2020 2:00	0:00:09	-49.70	14.62	430.15	-49.89	15.53	430.23	-143.80	0.20
165	10/4/2020 2:01	10/4/2020 2:03	0:01:51	-50.82	21.15	430.62	-51.73	31.91	430.99	-142.79	1.21
166	10/4/2020 2:04	10/4/2020 2:04	0:00:00	-51.75	38.88	431.01	-51.75	38.88	431.01	-143.99	0.01
167	10/4/2020 2:05	10/4/2020 2:05	0:00:09	-51.40	44.81	430.88	-51.31	45.79	430.85	-143.90	0.10
168	10/4/2020 2:06	10/4/2020 2:07	0:00:41	-50.29	53.44	430.45	-49.57	57.11	430.16	-143.72	0.28
169	10/4/2020 2:09	10/4/2020 2:09	0:00:21	-46.45	68.18	428.90	-45.87	69.75	428.66	-143.50	0.50
170	10/4/2020 2:11	10/4/2020 2:11	0:00:11	-42.29	77.81	427.17	-41.93	78.49	427.03	-143.58	0.42
171	10/4/2020 2:13	10/4/2020 2:14	0:00:31	-38.14	84.88	425.44	-36.93	86.66	424.94	-142.99	1.01
172	10/4/2020 2:14	10/4/2020 2:14	0:00:00	-35.68	88.38	424.43	-35.68	88.38	424.43	-143.84	0.16
173	10/4/2020 2:15	10/4/2020 2:16	0:00:41	-33.12	91.65	423.38	-31.36	93.71	422.67	-143.16	0.84
174	10/4/2020 2:16	10/4/2020 2:17	0:01:10	-30.01	95.21	422.14	-26.79	98.53	420.89	-142.71	1.29
175	10/4/2020 2:20	10/4/2020 2:21	0:01:01	-20.10	104.61	418.51	-17.16	107.04	417.56	-143.20	0.80
176	10/4/2020 2:35	10/4/2020 2:37	0:01:20	26.84	140.84	413.67	30.52	144.68	414.18	-142.40	1.60
177	10/4/2020 2:38	10/4/2020 2:40	0:02:21	34.05	148.83	414.76	39.77	157.03	415.83	-143.07	0.93
178	10/4/2020 2:42	10/4/2020 2:42	0:00:50	42.36	161.67	416.36	44.07	165.22	416.72	-143.01	0.99
179	10/4/2020 2:43	10/4/2020 2:44	0:01:09	45.03	167.46	416.92	47.08	172.98	417.36	-141.54	2.46
180	10/4/2020 2:45	10/4/2020 2:46	0:01:00	49.23	-179.31	417.83	50.34	-173.81	418.06	-141.69	2.31

Table 3 Approach GN 6Mbps (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)
181	10/4/2020 2:47	10/4/2020 2:49	0:01:49	50.91	-170.01	418.18	51.76	-159.18	418.36	-141.97	2.03
182	10/4/2020 2:53	10/4/2020 2:53	0:00:00	49.61	-134.86	417.86	49.61	-134.86	417.86	-143.92	0.08
183	10/4/2020 2:54	10/4/2020 2:54	0:00:10	48.56	-130.41	417.62	48.32	-129.55	417.56	-143.74	0.26
184	10/4/2020 2:55	10/4/2020 2:55	0:00:00	47.58	-127.00	417.40	47.58	-127.00	417.40	-143.81	0.19
185	10/4/2020 2:56	10/4/2020 2:57	0:00:30	45.31	-120.60	416.89	44.36	-118.34	416.69	-143.81	0.19
186	10/4/2020 2:57	10/4/2020 2:58	0:00:20	42.33	-114.05	416.25	41.61	-112.69	416.09	-143.04	0.96
187	10/4/2020 2:59	10/4/2020 3:00	0:01:09	38.17	-106.94	415.39	35.29	-102.87	414.83	-143.80	0.20
188	10/4/2020 3:02	10/4/2020 3:06	0:04:40	32.26	-99.11	414.30	19.12	-86.33	412.74	-142.26	1.74
189	10/4/2020 3:07	10/4/2020 3:07	0:00:00	16.65	-84.33	412.61	16.65	-84.33	412.61	-144.00	0.00
190	10/4/2020 3:08	10/4/2020 3:08	0:00:00	13.66	-82.00	412.54	13.66	-82.00	412.54	-143.98	0.02
191	10/4/2020 3:09	10/4/2020 3:10	0:00:11	10.14	-79.36	412.58	9.63	-78.98	412.59	-143.69	0.31
192	10/4/2020 3:11	10/4/2020 3:11	0:00:19	4.55	-75.33	412.91	3.53	-74.60	413.00	-143.79	0.21
193	10/4/2020 3:14	10/4/2020 3:14	0:00:11	-3.10	-69.93	413.91	-3.61	-69.57	414.00	-143.84	0.16
194	10/4/2020 3:14	10/4/2020 3:15	0:00:29	-5.14	-68.48	414.29	-6.66	-67.39	414.60	-143.53	0.47
195	10/4/2020 3:20	10/4/2020 3:20	0:00:31	-21.12	-56.19	418.66	-22.57	-54.92	419.17	-143.70	0.30
196	10/4/2020 3:22	10/4/2020 3:22	0:00:11	-26.84	-50.93	420.73	-27.30	-50.47	420.91	-143.57	0.43
197	10/4/2020 3:22	10/4/2020 3:23	0:00:50	-28.69	-49.06	421.45	-30.95	-46.61	422.34	-142.67	1.33
198	10/4/2020 3:25	10/4/2020 3:26	0:01:01	-36.14	-40.20	424.47	-38.57	-36.67	425.48	-143.40	0.60
199	10/4/2020 3:28	10/4/2020 3:30	0:01:39	-43.02	-28.80	427.36	-46.19	-21.34	428.70	-142.46	1.54
200	10/4/2020 3:32	10/4/2020 3:33	0:00:11	-49.78	-8.56	430.19	-49.96	-7.64	430.26	-143.81	0.19
201	10/4/2020 3:33	10/4/2020 3:35	0:01:50	-50.88	-2.01	430.64	-51.75	8.77	431.00	-142.61	1.39
202	10/4/2020 3:36	10/4/2020 3:36	0:00:00	-51.73	15.74	431.00	-51.73	15.74	431.00	-143.97	0.03
203	10/4/2020 3:38	10/4/2020 3:38	0:00:10	-51.36	21.67	430.86	-51.27	22.64	430.82	-143.88	0.12
204	10/4/2020 3:39	10/4/2020 3:40	0:00:41	-50.21	30.27	430.41	-49.49	33.93	430.12	-143.71	0.29
205	10/4/2020 3:42	10/4/2020 3:42	0:00:19	-46.33	44.95	428.84	-45.74	46.52	428.60	-143.50	0.50
206	10/4/2020 3:44	10/4/2020 3:44	0:00:09	-42.13	54.53	427.10	-41.77	55.21	426.95	-143.87	0.13
207	10/4/2020 3:46	10/4/2020 3:46	0:00:19	-37.56	62.17	425.20	-36.75	63.34	424.86	-143.17	0.83
208	10/4/2020 3:48	10/4/2020 3:50	0:02:10	-32.49	68.83	423.12	-26.59	75.16	420.80	-142.85	1.15
209	10/4/2020 3:53	10/4/2020 3:53	0:00:50	-19.40	81.63	418.26	-16.94	83.64	417.47	-143.31	0.69
210	10/4/2020 4:08	10/4/2020 4:08	0:00:00	27.04	117.47	413.70	27.04	117.47	413.70	-143.85	0.15
211	10/4/2020 4:09	10/4/2020 4:09	0:00:40	28.44	118.88	413.89	30.26	120.82	414.16	-142.28	1.72
212	10/4/2020 4:11	10/4/2020 4:13	0:02:21	34.24	125.49	414.82	39.94	133.74	415.90	-142.94	1.06
213	10/4/2020 4:14	10/4/2020 4:17	0:02:30	42.51	138.40	416.43	47.19	149.76	417.43	-141.44	2.56
214	10/4/2020 4:18	10/4/2020 4:19	0:00:59	49.32	157.51	417.90	50.40	163.03	418.13	-141.50	2.50
215	10/4/2020 4:20	10/4/2020 4:22	0:01:50	50.96	166.84	418.25	51.77	177.68	418.42	-141.97	2.03
216	10/4/2020 4:26	10/4/2020 4:26	0:00:00	49.53	-158.04	417.90	49.53	-158.04	417.90	-143.93	0.07
217	10/4/2020 4:27	10/4/2020 4:27	0:00:09	48.45	-153.61	417.66	48.22	-152.75	417.60	-143.73	0.27
218	10/4/2020 4:27	10/4/2020 4:27	0:00:00	47.47	-150.21	417.43	47.47	-150.21	417.43	-143.84	0.16
219	10/4/2020 4:29	10/4/2020 4:29	0:00:31	45.18	-143.84	416.92	44.22	-141.59	416.71	-143.82	0.18
220	10/4/2020 4:30	10/4/2020 4:31	0:00:20	42.17	-137.33	416.27	41.45	-135.97	416.12	-143.00	1.00
221	10/4/2020 4:32	10/4/2020 4:33	0:01:10	38.00	-130.26	415.41	35.11	-126.21	414.86	-143.81	0.19
222	10/4/2020 4:35	10/4/2020 4:39	0:04:20	32.07	-122.46	414.33	19.88	-110.55	412.85	-142.32	1.68
223	10/4/2020 4:40	10/4/2020 4:40	0:00:09	16.44	-107.73	412.67	15.94	-107.34	412.65	-143.93	0.07
224	10/4/2020 4:41	10/4/2020 4:41	0:00:00	12.94	-105.02	412.61	12.94	-105.02	412.61	-143.81	0.19
225	10/4/2020 4:42	10/4/2020 4:43	0:00:20	9.92	-102.77	412.65	8.91	-102.03	412.69	-143.70	0.30
226	10/4/2020 4:44	10/4/2020 4:44	0:00:19	3.82	-98.38	413.05	2.80	-97.66	413.15	-143.75	0.25
227	10/4/2020 4:47	10/4/2020 4:47	0:00:00	-3.83	-92.98	414.12	-3.83	-92.98	414.12	-143.96	0.04
228	10/4/2020 4:47	10/4/2020 4:48	0:00:30	-5.35	-91.90	414.41	-6.88	-90.81	414.73	-143.79	0.21
229	10/4/2020 4:52	10/4/2020 4:53	0:00:30	-21.33	-79.58	418.83	-22.78	-78.31	419.34	-143.70	0.30
230	10/4/2020 4:54	10/4/2020 4:55	0:00:19	-26.57	-74.77	420.74	-27.50	-73.84	421.09	-143.27	0.73
231	10/4/2020 4:55	10/4/2020 4:56	0:00:50	-28.88	-72.43	421.63	-31.15	-69.97	422.53	-142.51	1.49
232	10/4/2020 4:58	10/4/2020 4:59	0:01:00	-36.32	-63.53	424.65	-38.74	-59.97	425.66	-143.34	0.66
233	10/4/2020 5:00	10/4/2020 5:00	0:00:40	-40.66	-56.81	426.47	-42.12	-54.15	427.08	-142.82	1.18
234	10/4/2020 5:12	10/4/2020 5:12	0:00:50	-50.30	6.16	430.52	-49.40	10.74	430.16	-143.65	0.35
235	10/4/2020 5:15	10/4/2020 5:15	0:00:20	-46.19	21.71	428.84	-45.60	23.27	428.59	-143.49	0.51
236	10/4/2020 5:19	10/4/2020 5:19	0:00:21	-37.37	38.83	425.12	-36.56	40.00	424.78	-143.38	0.62
237	10/4/2020 5:21	10/4/2020 5:23	0:01:29	-31.40	46.48	422.65	-27.30	50.84	421.02	-142.80	1.20
238	10/4/2020 5:26	10/4/2020 5:26	0:00:59	-19.17	58.21	418.07	-16.22	60.61	417.12	-143.43	0.57
239	10/4/2020 5:42	10/4/2020 5:42	0:00:39	28.65	95.50	413.49	30.47	97.45	413.76	-142.60	1.40
240	10/4/2020 5:44	10/4/2020 5:46	0:02:10	34.86	102.69	414.47	40.12	110.43	415.46	-142.75	1.25

Table 3 Approach GN 6Mbps (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)
241	10/4/2020 5:47	10/4/2020 5:48	0:00:39	42.68	115.11	415.98	44.04	117.97	416.27	-143.14	0.86
242	10/4/2020 5:48	10/4/2020 5:50	0:01:20	45.00	120.20	416.47	47.32	126.54	416.97	-141.89	2.11
243	10/4/2020 5:51	10/4/2020 5:52	0:01:01	49.42	134.33	417.42	50.48	139.87	417.65	-141.61	2.39
244	10/4/2020 5:53	10/4/2020 5:55	0:01:51	51.02	143.69	417.76	51.78	154.54	417.94	-141.95	2.05
245	10/4/2020 5:59	10/4/2020 5:59	0:00:00	49.44	178.78	417.41	49.44	178.78	417.41	-143.94	0.06
246	10/4/2020 6:00	10/4/2020 6:00	0:00:11	48.34	-176.81	417.17	48.10	-175.95	417.11	-143.72	0.28
247	10/4/2020 6:00	10/4/2020 6:00	0:00:00	47.34	-173.43	416.95	47.34	-173.43	416.95	-143.84	0.16
248	10/4/2020 6:02	10/4/2020 6:02	0:00:30	45.03	-167.09	416.44	44.07	-164.85	416.24	-143.83	0.17
249	10/4/2020 6:03	10/4/2020 6:03	0:00:19	42.00	-160.61	415.80	41.28	-159.26	415.65	-142.93	1.07
250	10/4/2020 6:05	10/4/2020 6:06	0:01:10	37.80	-153.58	414.96	34.90	-149.55	414.42	-143.81	0.19
251	10/4/2020 6:07	10/4/2020 6:11	0:04:20	32.30	-146.34	413.98	20.14	-134.37	412.53	-142.31	1.69
252	10/4/2020 6:13	10/4/2020 6:13	0:00:20	16.20	-131.15	412.34	15.20	-130.37	412.32	-143.85	0.15
253	10/4/2020 6:14	10/4/2020 6:14	0:00:11	12.70	-128.45	412.30	12.20	-128.07	412.31	-143.53	0.47
254	10/4/2020 6:15	10/4/2020 6:16	0:00:30	9.67	-126.20	412.37	8.16	-125.09	412.44	-143.54	0.46
255	10/4/2020 6:17	10/4/2020 6:17	0:00:30	3.58	-121.82	412.81	2.05	-120.73	412.99	-143.67	0.33
256	10/4/2020 6:25	10/4/2020 6:26	0:00:11	-22.05	-102.57	418.95	-22.53	-102.14	419.12	-143.80	0.20
257	10/4/2020 6:27	10/4/2020 6:27	0:00:20	-26.33	-98.61	420.53	-27.26	-97.69	420.88	-143.24	0.76
258	10/4/2020 6:28	10/4/2020 6:29	0:00:59	-28.65	-96.28	421.43	-31.36	-93.34	422.51	-142.27	1.73
259	10/4/2020 6:31	10/4/2020 6:32	0:01:10	-36.11	-87.43	424.48	-38.93	-83.28	425.67	-143.27	0.73
260	10/4/2020 6:34	10/4/2020 6:36	0:01:40	-43.33	-75.33	427.54	-46.46	-67.80	428.86	-142.55	1.45
261	10/4/2020 6:38	10/4/2020 6:38	0:00:00	-49.95	-54.90	430.31	-49.95	-54.90	430.31	-143.90	0.10
262	10/4/2020 6:39	10/4/2020 6:41	0:01:51	-50.99	-48.31	430.73	-51.77	-37.50	431.05	-142.86	1.14
263	10/4/2020 6:42	10/4/2020 6:42	0:00:00	-51.70	-30.53	431.02	-51.70	-30.53	431.02	-143.96	0.04
264	10/4/2020 6:43	10/4/2020 6:43	0:00:09	-51.28	-24.62	430.86	-51.18	-23.65	430.82	-143.86	0.14
265	10/4/2020 6:45	10/4/2020 6:45	0:00:41	-50.06	-16.07	430.37	-49.31	-12.43	430.06	-143.69	0.31
266	10/4/2020 6:47	10/4/2020 6:48	0:00:21	-46.06	-1.51	428.73	-45.47	0.04	428.48	-143.47	0.53
267	10/4/2020 6:52	10/4/2020 6:52	0:00:29	-37.19	15.53	424.98	-35.96	17.26	424.47	-143.34	0.66
268	10/4/2020 6:54	10/4/2020 6:56	0:01:40	-31.20	23.13	422.51	-26.63	27.94	420.70	-142.68	1.32
269	10/4/2020 6:58	10/4/2020 6:59	0:01:09	-18.95	34.82	417.95	-15.50	37.60	416.85	-143.60	0.40
270	10/4/2020 7:14	10/4/2020 7:15	0:00:39	28.40	71.66	413.47	30.23	73.60	413.73	-142.63	1.37
271	10/4/2020 7:17	10/4/2020 7:19	0:02:10	35.06	79.36	414.52	40.29	87.15	415.51	-142.87	1.13
272	10/4/2020 7:20	10/4/2020 7:21	0:00:20	43.52	93.28	416.17	44.19	94.73	416.31	-143.14	0.86
273	10/4/2020 7:21	10/4/2020 7:23	0:01:21	45.14	96.97	416.52	47.44	103.34	417.01	-141.80	2.20
274	10/4/2020 7:24	10/4/2020 7:25	0:00:51	49.51	111.16	417.46	50.39	115.78	417.66	-141.81	2.19
275	10/4/2020 7:26	10/4/2020 7:27	0:01:40	51.07	120.55	417.81	51.77	130.43	417.96	-141.95	2.05
276	10/4/2020 7:32	10/4/2020 7:32	0:00:09	49.54	154.72	417.47	49.34	155.62	417.43	-143.97	0.03
277	10/4/2020 7:32	10/4/2020 7:33	0:00:41	48.24	160.01	417.18	47.22	163.38	416.96	-143.71	0.29
278	10/4/2020 7:35	10/4/2020 7:35	0:00:30	44.89	169.69	416.46	43.92	171.91	416.25	-143.85	0.15
279	10/4/2020 7:36	10/4/2020 7:36	0:00:20	41.84	176.13	415.81	41.11	177.47	415.66	-142.95	1.05
280	10/4/2020 7:38	10/4/2020 7:39	0:01:09	37.62	-176.87	414.97	34.71	-172.87	414.44	-143.81	0.19
281	10/4/2020 7:40	10/4/2020 7:44	0:04:31	32.54	-170.19	414.07	19.91	-157.76	412.57	-142.22	1.78
282	10/4/2020 7:46	10/4/2020 7:46	0:00:30	15.97	-154.54	412.39	14.47	-153.38	412.36	-143.66	0.34
283	10/4/2020 7:47	10/4/2020 7:47	0:00:09	12.47	-151.85	412.35	11.97	-151.47	412.36	-143.39	0.61
284	10/4/2020 7:48	10/4/2020 7:48	0:00:19	8.94	-149.23	412.44	7.92	-148.49	412.50	-143.60	0.40
285	10/4/2020 7:50	10/4/2020 7:50	0:00:29	3.34	-145.22	412.87	1.81	-144.14	413.05	-143.69	0.31
286	10/4/2020 8:00	10/4/2020 8:00	0:00:30	-25.61	-122.88	420.22	-27.01	-121.52	420.76	-143.05	0.95
287	10/4/2020 8:00	10/4/2020 8:01	0:01:00	-28.40	-120.11	421.29	-31.12	-117.18	422.38	-142.21	1.79
288	10/4/2020 8:03	10/4/2020 8:04	0:01:00	-36.30	-110.75	424.51	-38.72	-107.19	425.52	-143.18	0.82
289	10/4/2020 8:07	10/4/2020 8:08	0:01:29	-43.49	-98.58	427.54	-46.30	-91.80	428.72	-142.61	1.39
290	10/4/2020 8:11	10/4/2020 8:11	0:00:00	-50.03	-78.05	430.26	-50.03	-78.05	430.26	-143.84	0.16
291	10/4/2020 8:12	10/4/2020 8:14	0:01:50	-51.05	-71.44	430.67	-51.78	-60.62	430.96	-142.90	1.10
292	10/4/2020 8:15	10/4/2020 8:15	0:00:00	-51.68	-53.65	430.92	-51.68	-53.65	430.92	-143.96	0.04
293	10/4/2020 8:16	10/4/2020 8:16	0:00:10	-51.23	-47.75	430.74	-51.13	-46.78	430.70	-143.87	0.13
294	10/4/2020 8:17	10/4/2020 8:18	0:00:41	-49.98	-39.22	430.24	-49.21	-35.60	429.93	-143.65	0.35
295	10/4/2020 8:20	10/4/2020 8:21	0:00:20	-45.93	-24.72	428.57	-45.33	-23.18	428.32	-143.44	0.56
296	10/4/2020 8:25	10/4/2020 8:25	0:00:30	-37.00	-7.78	424.81	-35.76	-6.06	424.29	-143.27	0.73
297	10/4/2020 8:27	10/4/2020 8:29	0:01:50	-31.44	-0.71	422.52	-26.41	4.58	420.54	-142.65	1.35
298	10/4/2020 8:31	10/4/2020 8:32	0:01:00	-18.24	11.84	417.65	-15.27	14.21	416.72	-143.46	0.54
299	10/4/2020 8:47	10/4/2020 8:48	0:00:39	28.61	48.31	413.49	30.44	50.26	413.75	-142.81	1.19
300	10/4/2020 8:49	10/4/2020 8:52	0:02:21	34.83	55.49	414.47	40.47	63.87	415.54	-142.77	1.23

Table 3 Approach GN 6Mbps (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)
301	10/4/2020 8:53	10/4/2020 8:53	0:00:00	42.65	67.91	415.99	42.65	67.91	415.99	-143.99	0.01
302	10/4/2020 8:53	10/4/2020 8:54	0:00:21	43.68	70.04	416.21	44.34	71.50	416.35	-143.28	0.72
303	10/4/2020 8:54	10/4/2020 8:55	0:01:11	45.29	73.75	416.55	47.30	79.33	416.98	-141.80	2.20
304	10/4/2020 8:57	10/4/2020 8:58	0:00:50	49.60	88.01	417.49	50.47	92.64	417.68	-141.88	2.12
305	10/4/2020 8:58	10/4/2020 9:00	0:01:51	51.01	96.46	417.80	51.78	107.32	417.97	-141.95	2.05
306	10/4/2020 9:02	10/4/2020 9:02	0:00:00	51.44	118.28	417.90	51.44	118.28	417.90	-143.95	0.05
307	10/4/2020 9:05	10/4/2020 9:05	0:00:00	49.25	132.46	417.42	49.25	132.46	417.42	-143.99	0.01
308	10/4/2020 9:05	10/4/2020 9:06	0:00:50	48.37	135.98	417.23	47.10	140.19	416.95	-143.70	0.30
309	10/4/2020 9:07	10/4/2020 9:08	0:00:31	44.74	146.47	416.45	43.76	148.68	416.24	-143.87	0.13
310	10/4/2020 9:09	10/4/2020 9:09	0:00:20	41.67	152.87	415.80	40.94	154.20	415.65	-143.01	0.99
311	10/4/2020 9:11	10/4/2020 9:12	0:01:10	37.43	159.83	414.96	34.51	163.82	414.42	-143.82	0.18
312	10/4/2020 9:13	10/4/2020 9:17	0:04:31	32.34	166.48	414.05	19.69	178.86	412.58	-142.12	1.88
313	10/4/2020 9:19	10/4/2020 9:19	0:00:39	15.74	-177.93	412.40	13.74	-176.39	412.37	-143.42	0.58
314	10/4/2020 9:20	10/4/2020 9:20	0:00:11	12.24	-175.24	412.37	11.73	-174.87	412.38	-143.57	0.43
315	10/4/2020 9:21	10/4/2020 9:21	0:00:20	8.70	-172.63	412.48	7.69	-171.90	412.53	-143.69	0.31
316	10/4/2020 9:23	10/4/2020 9:23	0:00:30	3.11	-168.63	412.92	1.58	-167.55	413.10	-143.76	0.24
317	10/4/2020 9:32	10/4/2020 9:33	0:00:29	-25.35	-146.70	420.15	-26.76	-145.34	420.68	-142.92	1.08
318	10/4/2020 9:33	10/4/2020 9:34	0:01:10	-28.15	-143.94	421.22	-31.33	-140.52	422.48	-142.57	1.43
319	10/4/2020 9:36	10/4/2020 9:37	0:01:10	-36.08	-134.63	424.43	-38.90	-130.48	425.62	-143.11	0.89
320	10/4/2020 9:39	10/4/2020 9:41	0:01:31	-43.64	-121.82	427.62	-46.43	-115.01	428.79	-142.51	1.49
321	10/4/2020 9:44	10/4/2020 9:44	0:00:00	-50.11	-101.20	430.30	-50.11	-101.20	430.30	-143.75	0.25
322	10/4/2020 9:45	10/4/2020 9:47	0:01:40	-51.10	-94.57	430.70	-51.77	-84.73	430.96	-142.90	1.10
323	10/4/2020 9:48	10/4/2020 9:48	0:00:00	-51.65	-76.76	430.92	-51.65	-76.76	430.92	-143.95	0.05
324	10/4/2020 9:49	10/4/2020 9:49	0:00:09	-51.29	-71.84	430.77	-51.19	-70.87	430.73	-143.89	0.11
325	10/4/2020 9:50	10/4/2020 9:51	0:00:50	-49.90	-62.37	430.20	-48.90	-57.88	429.80	-143.62	0.38
326	10/4/2020 9:53	10/4/2020 9:53	0:00:20	-45.79	-47.93	428.50	-45.19	-46.40	428.25	-143.47	0.53
327	10/4/2020 9:57	10/4/2020 9:58	0:00:30	-36.82	-31.08	424.72	-35.57	-29.37	424.20	-143.34	0.66
328	10/4/2020 9:59	10/4/2020 10:01	0:02:00	-31.24	-24.05	422.42	-25.73	-18.33	420.26	-142.49	1.51
329	10/4/2020 10:04	10/4/2020 10:05	0:01:10	-18.01	-11.55	417.55	-14.54	-8.80	416.48	-143.29	0.71
330	10/4/2020 10:20	10/4/2020 10:20	0:00:39	28.37	24.48	413.43	30.19	26.42	413.69	-143.02	0.98
331	10/4/2020 10:22	10/4/2020 10:24	0:02:19	35.03	32.18	414.48	40.64	40.60	415.55	-142.89	1.11
332	10/4/2020 10:26	10/4/2020 10:26	0:00:00	42.81	44.66	416.00	42.81	44.66	416.00	-143.86	0.14
333	10/4/2020 10:26	10/4/2020 10:26	0:00:20	43.83	46.80	416.21	44.49	48.27	416.35	-143.39	0.61
334	10/4/2020 10:27	10/4/2020 10:28	0:01:09	45.43	50.54	416.55	47.42	56.14	416.98	-142.00	2.00
335	10/4/2020 10:30	10/4/2020 10:30	0:00:59	49.50	63.95	417.43	50.54	69.50	417.66	-141.70	2.30
336	10/4/2020 10:31	10/4/2020 10:33	0:01:49	51.06	73.33	417.77	51.79	84.21	417.93	-141.94	2.06
337	10/4/2020 10:35	10/4/2020 10:35	0:00:11	51.48	94.18	417.86	51.40	95.17	417.84	-143.76	0.24
338	10/4/2020 10:38	10/4/2020 10:39	0:01:00	48.26	112.81	417.16	46.70	117.80	416.82	-143.69	0.31
339	10/4/2020 10:40	10/4/2020 10:41	0:00:30	44.59	123.24	416.37	43.61	125.44	416.17	-143.90	0.10
340	10/4/2020 10:42	10/4/2020 10:42	0:00:39	41.50	129.61	415.73	40.01	132.23	415.43	-143.06	0.94
341	10/4/2020 10:44	10/4/2020 10:45	0:01:10	37.25	136.53	414.89	34.31	140.50	414.35	-143.82	0.18
342	10/4/2020 10:46	10/4/2020 10:48	0:02:40	32.13	143.15	413.99	24.77	150.80	412.98	-142.02	1.98
343	10/4/2020 10:49	10/4/2020 10:50	0:01:11	23.34	152.11	412.83	19.95	155.07	412.56	-143.64	0.36
344	10/4/2020 10:51	10/4/2020 10:52	0:01:00	16.01	158.28	412.37	13.01	160.60	412.33	-142.93	1.07
345	10/4/2020 10:54	10/4/2020 10:54	0:00:09	8.47	163.97	412.45	7.96	164.33	412.47	-143.81	0.19
346	10/4/2020 10:55	10/4/2020 10:56	0:00:30	2.87	167.97	412.90	1.34	169.05	413.09	-143.82	0.18
347	10/4/2020 11:05	10/4/2020 11:07	0:01:59	-25.57	-170.06	420.18	-31.09	-164.36	422.33	-142.53	1.47
348	10/4/2020 11:09	10/4/2020 11:10	0:01:20	-35.85	-158.50	424.28	-39.09	-153.77	425.64	-143.01	0.99
349	10/4/2020 11:12	10/4/2020 11:14	0:01:40	-43.46	-145.78	427.49	-46.57	-138.21	428.78	-142.76	1.24
350	10/4/2020 11:17	10/4/2020 11:17	0:00:00	-50.19	-124.34	430.27	-50.19	-124.34	430.27	-143.73	0.27
351	10/4/2020 11:18	10/4/2020 11:19	0:01:40	-51.15	-117.69	430.66	-51.78	-107.83	430.91	-142.68	1.32
352	10/4/2020 11:21	10/4/2020 11:21	0:00:00	-51.63	-99.87	430.85	-51.63	-99.87	430.85	-143.95	0.05
353	10/4/2020 11:21	10/4/2020 11:22	0:00:11	-51.24	-94.96	430.69	-51.14	-93.99	430.65	-143.90	0.10
354	10/4/2020 11:23	10/4/2020 11:24	0:00:50	-49.82	-85.51	430.11	-48.80	-81.04	429.70	-143.61	0.39
355	10/4/2020 11:26	10/4/2020 11:26	0:00:30	-45.95	-71.92	428.52	-45.04	-69.61	428.14	-143.55	0.45
356	10/4/2020 11:30	10/4/2020 11:31	0:00:29	-36.63	-54.38	424.59	-35.38	-52.68	424.07	-143.41	0.59
357	10/4/2020 11:32	10/4/2020 11:33	0:01:20	-32.36	-48.91	422.82	-28.76	-44.93	421.38	-142.07	1.93
358	10/4/2020 11:34	10/4/2020 11:35	0:01:00	-27.38	-43.52	420.85	-24.56	-40.80	419.78	-142.88	1.12
359	10/4/2020 11:37	10/4/2020 11:38	0:01:10	-17.78	-34.93	417.44	-14.31	-32.19	416.38	-143.13	0.87
360	10/4/2020 11:53	10/4/2020 11:53	0:00:30	28.58	1.13	413.46	29.95	2.58	413.66	-143.14	0.86

Table 3 Approach GN 6Mbps (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)
361	10/4/2020 11:55	10/4/2020 11:57	0:02:10	35.23	8.86	414.53	40.44	16.68	415.53	-142.88	1.12
362	10/4/2020 11:58	10/4/2020 11:58	0:00:09	42.63	20.71	415.98	42.98	21.42	416.05	-143.65	0.35
363	10/4/2020 11:59	10/4/2020 11:59	0:00:11	43.99	23.57	416.26	44.32	24.30	416.33	-143.23	0.77
364	10/4/2020 12:00	10/4/2020 12:01	0:01:19	45.27	26.56	416.54	47.54	32.95	417.03	-142.26	1.74
365	10/4/2020 12:02	10/4/2020 12:03	0:00:59	49.59	40.80	417.47	50.61	46.38	417.69	-141.68	2.32
366	10/4/2020 12:04	10/4/2020 12:06	0:01:50	51.12	50.22	417.80	51.79	61.11	417.95	-141.93	2.07
367	10/4/2020 12:08	10/4/2020 12:08	0:00:09	51.44	71.07	417.87	51.36	72.06	417.85	-143.48	0.52
368	10/4/2020 12:11	10/4/2020 12:12	0:00:59	48.14	89.64	417.14	46.57	94.61	416.80	-143.67	0.33
369	10/4/2020 12:13	10/4/2020 12:13	0:00:09	44.45	100.02	416.34	44.12	100.75	416.27	-143.92	0.08
370	10/4/2020 12:14	10/4/2020 12:15	0:00:41	41.33	106.35	415.69	39.83	108.96	415.39	-143.08	0.92
371	10/4/2020 12:16	10/4/2020 12:18	0:01:20	37.06	113.23	414.85	33.68	117.72	414.25	-143.80	0.20
372	10/4/2020 12:18	10/4/2020 12:21	0:02:50	32.37	119.30	414.03	24.55	127.43	412.96	-141.94	2.06
373	10/4/2020 12:22	10/4/2020 12:23	0:00:50	22.16	129.60	412.73	19.72	131.69	412.55	-143.70	0.30
374	10/4/2020 12:24	10/4/2020 12:25	0:00:59	15.78	134.90	412.37	12.78	137.21	412.34	-142.76	1.24
375	10/4/2020 12:27	10/4/2020 12:27	0:00:10	8.23	140.57	412.47	7.72	140.93	412.50	-143.92	0.08
376	10/4/2020 12:27	10/4/2020 12:27	0:00:00	5.69	142.39	412.64	5.69	142.39	412.64	-143.91	0.09
377	10/4/2020 12:28	10/4/2020 12:29	0:00:20	2.63	144.56	412.94	1.61	145.28	413.06	-143.87	0.13
378	10/4/2020 12:32	10/4/2020 12:32	0:00:10	-8.57	152.52	414.90	-9.08	152.89	415.02	-143.97	0.03
379	10/4/2020 12:35	10/4/2020 12:35	0:00:10	-18.08	159.79	417.55	-18.57	160.19	417.71	-143.95	0.05
380	10/4/2020 12:38	10/4/2020 12:38	0:00:29	-25.32	166.13	420.07	-26.73	167.49	420.60	-142.75	1.25
381	10/4/2020 12:39	10/4/2020 12:40	0:01:11	-28.12	168.88	421.13	-31.30	172.30	422.39	-142.29	1.71
382	10/4/2020 12:42	10/4/2020 12:43	0:01:10	-36.05	178.19	424.33	-38.88	-177.67	425.51	-142.94	1.06
383	10/4/2020 12:45	10/4/2020 12:47	0:01:31	-43.62	-169.01	427.50	-46.42	-162.20	428.66	-142.98	1.02
384	10/4/2020 12:49	10/4/2020 12:49	0:00:00	-50.27	-147.48	430.23	-50.27	-147.48	430.23	-143.84	0.16
385	10/4/2020 12:50	10/4/2020 12:52	0:01:49	-51.09	-141.78	430.56	-51.79	-130.94	430.83	-142.80	1.20
386	10/4/2020 12:53	10/4/2020 12:53	0:00:00	-51.60	-122.98	430.76	-51.60	-122.98	430.76	-143.94	0.06
387	10/4/2020 12:54	10/4/2020 12:55	0:00:11	-51.19	-118.08	430.59	-51.09	-117.11	430.55	-143.91	0.09
388	10/4/2020 12:56	10/4/2020 12:57	0:00:50	-49.73	-108.65	430.00	-48.70	-104.20	429.57	-143.60	0.40
389	10/4/2020 12:59	10/4/2020 12:59	0:00:31	-45.81	-95.13	428.38	-44.90	-92.83	427.99	-143.62	0.38
390	10/4/2020 13:03	10/4/2020 13:04	0:00:30	-36.43	-77.68	424.43	-35.18	-75.99	423.91	-143.43	0.57
391	10/4/2020 13:05	10/4/2020 13:06	0:01:10	-32.15	-72.24	422.67	-29.01	-68.76	421.41	-141.96	2.04
392	10/4/2020 13:07	10/4/2020 13:07	0:00:59	-27.16	-66.87	420.70	-24.34	-64.17	419.64	-142.83	1.17
393	10/4/2020 13:10	10/4/2020 13:11	0:01:20	-17.55	-58.32	417.31	-13.57	-55.20	416.11	-142.91	1.09
394	10/4/2020 13:19	10/4/2020 13:19	0:00:39	9.28	-38.76	412.37	11.30	-37.27	412.31	-142.12	1.88
395	10/4/2020 13:29	10/4/2020 13:30	0:00:59	38.30	-10.36	415.14	40.62	-6.58	415.61	-141.91	2.09
396	10/4/2020 13:31	10/4/2020 13:32	0:00:50	42.79	-2.53	416.08	44.47	1.08	416.46	-143.25	0.75
397	10/4/2020 13:32	10/4/2020 13:34	0:01:20	45.41	3.35	416.68	47.67	9.78	417.21	-142.59	1.41
398	10/4/2020 13:35	10/4/2020 13:36	0:01:01	49.68	17.66	417.72	50.67	23.26	417.99	-141.79	2.21
399	10/4/2020 13:37	10/4/2020 13:39	0:01:51	51.17	27.11	418.13	51.80	38.01	418.38	-141.93	2.07
400	10/4/2020 13:40	10/4/2020 13:41	0:00:11	51.40	47.97	418.41	51.31	48.95	418.40	-143.21	0.79
401	10/4/2020 13:44	10/4/2020 13:45	0:01:01	48.03	66.47	417.93	46.43	71.42	417.67	-143.61	0.39
402	10/4/2020 13:46	10/4/2020 13:46	0:00:11	44.29	76.79	417.31	43.96	77.53	417.25	-143.97	0.03
403	10/4/2020 13:47	10/4/2020 13:48	0:00:40	41.16	83.09	416.79	39.65	85.68	416.55	-143.12	0.88
404	10/4/2020 13:49	10/4/2020 13:50	0:01:20	36.86	89.93	416.12	33.48	94.39	415.64	-143.80	0.20
405	10/4/2020 13:51	10/4/2020 13:54	0:02:31	31.72	96.48	415.41	24.81	103.62	414.71	-141.99	2.01
406	10/4/2020 13:55	10/4/2020 13:56	0:00:50	21.45	106.64	414.50	19.01	108.71	414.41	-143.79	0.21
407	10/4/2020 13:56	10/4/2020 13:56	0:00:00	17.04	110.32	414.37	17.04	110.32	414.37	-143.94	0.06
408	10/4/2020 13:57	10/4/2020 13:57	0:00:20	15.55	111.50	414.37	14.55	112.27	414.38	-142.90	1.10
409	10/4/2020 13:58	10/4/2020 13:58	0:00:20	13.05	113.42	414.41	12.05	114.18	414.45	-142.68	1.32
410	10/4/2020 13:59	10/4/2020 13:59	0:00:00	8.01	117.16	414.69	8.01	117.16	414.69	-143.96	0.04
411	10/4/2020 14:00	10/4/2020 14:01	0:00:50	5.47	118.98	414.93	2.92	120.79	415.24	-143.49	0.51
412	10/4/2020 14:11	10/4/2020 14:12	0:01:29	-26.91	144.09	423.47	-31.03	148.42	425.12	-142.52	1.48
413	10/4/2020 14:14	10/4/2020 14:16	0:01:20	-35.79	154.27	427.11	-39.02	158.99	428.50	-143.10	0.90
414	10/4/2020 14:18	10/4/2020 14:19	0:01:29	-43.74	167.68	430.54	-46.52	174.51	431.73	-143.14	0.86
415	10/4/2020 14:22	10/4/2020 14:22	0:00:09	-50.16	-171.65	433.28	-50.32	-170.72	433.35	-143.95	0.05
416	10/4/2020 14:23	10/4/2020 14:25	0:01:51	-51.13	-165.02	433.69	-51.79	-154.18	433.99	-142.92	1.08
417	10/4/2020 14:26	10/4/2020 14:26	0:00:00	-51.58	-146.23	433.92	-51.58	-146.23	433.92	-143.99	0.01
418	10/4/2020 14:27	10/4/2020 14:27	0:00:09	-51.16	-141.34	433.77	-51.05	-140.37	433.72	-143.98	0.02
419	10/4/2020 14:29	10/4/2020 14:29	0:00:30	-49.67	-131.94	433.19	-49.06	-129.25	432.95	-143.69	0.31
420	10/4/2020 14:32	10/4/2020 14:32	0:00:20	-45.42	-117.69	431.46	-44.80	-116.18	431.21	-143.76	0.24

Table 3 Approach GN 6Mbps (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)
421	10/4/2020 14:36	10/4/2020 14:36	0:00:19	-35.89	-100.53	427.48	-35.05	-99.41	427.13	-143.48	0.52
422	10/4/2020 14:38	10/4/2020 14:39	0:01:09	-31.58	-95.17	425.71	-28.42	-91.73	424.45	-142.28	1.72
423	10/4/2020 14:39	10/4/2020 14:40	0:00:39	-27.03	-90.33	423.92	-25.16	-88.51	423.20	-142.91	1.09
424	10/4/2020 14:43	10/4/2020 14:44	0:01:09	-16.92	-81.40	420.36	-13.44	-78.68	419.31	-142.76	1.24
425	10/4/2020 14:58	10/4/2020 14:59	0:00:31	28.43	-46.18	416.36	29.80	-44.73	416.55	-143.27	0.73
426	10/4/2020 15:01	10/4/2020 15:03	0:01:59	35.50	-37.92	417.45	40.31	-30.70	418.33	-143.10	0.90
427	10/4/2020 15:04	10/4/2020 15:06	0:02:34	42.85	-25.99	418.82	47.55	-14.18	419.84	-142.82	1.18
428	10/4/2020 15:08	10/4/2020 15:09	0:00:50	49.78	-5.42	420.29	50.61	-0.76	420.45	-141.93	2.07
429	10/4/2020 15:10	10/4/2020 15:11	0:01:40	51.22	4.05	420.57	51.79	13.96	420.66	-142.00	2.00
430	10/4/2020 15:13	10/4/2020 15:13	0:00:00	51.36	24.91	420.53	51.36	24.91	420.53	-143.05	0.95
431	10/4/2020 15:17	10/4/2020 15:17	0:00:50	47.90	43.32	419.71	46.57	47.44	419.41	-143.61	0.39
432	10/4/2020 15:20	10/4/2020 15:21	0:00:39	40.97	59.85	418.19	39.45	62.42	417.88	-143.16	0.84
433	10/4/2020 15:22	10/4/2020 15:23	0:01:09	36.24	67.22	417.26	33.26	71.08	416.72	-143.81	0.19
434	10/4/2020 15:24	10/4/2020 15:27	0:02:39	31.49	73.15	416.43	24.09	80.70	415.45	-142.24	1.76
435	10/4/2020 15:28	10/4/2020 15:30	0:02:01	20.23	84.10	415.12	14.30	88.88	414.89	-142.71	1.29
436	10/4/2020 15:31	10/4/2020 15:31	0:00:21	12.80	90.03	414.89	11.79	90.78	414.91	-142.71	1.29
437	10/4/2020 15:32	10/4/2020 15:32	0:00:00	9.27	92.65	414.99	9.27	92.65	414.99	-143.89	0.11
438	10/4/2020 15:32	10/4/2020 15:32	0:00:00	7.75	93.75	415.07	7.75	93.75	415.07	-143.94	0.06
439	10/4/2020 15:33	10/4/2020 15:34	0:00:20	4.70	95.94	415.31	3.68	96.66	415.42	-143.74	0.26
440	10/4/2020 15:34	10/4/2020 15:35	0:00:20	1.64	98.10	415.66	0.62	98.82	415.80	-143.85	0.15
441	10/4/2020 15:42	10/4/2020 15:42	0:00:00	-21.94	115.88	421.63	-21.94	115.88	421.63	-143.75	0.25
442	10/4/2020 15:43	10/4/2020 15:45	0:02:10	-25.28	118.92	422.87	-31.25	125.09	425.25	-142.25	1.75
443	10/4/2020 15:47	10/4/2020 15:48	0:01:10	-36.00	130.97	427.26	-38.83	135.10	428.48	-143.11	0.89
444	10/4/2020 15:51	10/4/2020 15:52	0:01:29	-43.91	144.46	430.69	-46.66	151.33	431.88	-143.23	0.77
445	10/4/2020 15:55	10/4/2020 15:55	0:00:00	-50.24	165.23	433.43	-50.24	165.23	433.43	-143.71	0.29
446	10/4/2020 15:56	10/4/2020 15:58	0:01:40	-51.18	171.89	433.84	-51.78	-178.26	434.12	-143.06	0.94
447	10/4/2020 16:00	10/4/2020 16:00	0:00:09	-51.10	-164.43	433.91	-50.98	-163.47	433.86	-143.97	0.03
448	10/4/2020 16:02	10/4/2020 16:02	0:00:30	-49.57	-155.07	433.32	-48.95	-152.39	433.08	-143.66	0.34
449	10/4/2020 16:05	10/4/2020 16:05	0:00:20	-45.26	-140.90	431.59	-44.63	-139.39	431.33	-143.82	0.18
450	10/4/2020 16:09	10/4/2020 16:09	0:00:19	-35.68	-123.83	427.61	-34.84	-122.72	427.26	-143.39	0.61
451	10/4/2020 16:11	10/4/2020 16:12	0:01:10	-31.36	-118.50	425.84	-28.19	-115.08	424.58	-142.59	1.41
452	10/4/2020 16:12	10/4/2020 16:13	0:00:41	-26.79	-113.69	424.05	-24.92	-111.88	423.34	-143.06	0.94
453	10/4/2020 16:16	10/4/2020 16:17	0:01:09	-16.67	-104.79	420.50	-13.19	-102.08	419.46	-142.84	1.16
454	10/4/2020 16:31	10/4/2020 16:31	0:00:31	28.66	-69.53	416.54	30.03	-68.08	416.72	-143.31	0.69
455	10/4/2020 16:34	10/4/2020 16:34	0:00:00	35.71	-61.23	417.60	35.71	-61.23	417.60	-143.99	0.01
456	10/4/2020 16:34	10/4/2020 16:36	0:01:29	36.95	-59.51	417.82	40.50	-53.97	418.46	-143.09	0.91
457	10/4/2020 16:37	10/4/2020 16:38	0:00:51	43.02	-49.23	418.95	44.68	-45.59	419.28	-142.06	1.94
458	10/4/2020 16:38	10/4/2020 16:39	0:01:11	45.61	-43.31	419.46	47.57	-37.68	419.85	-142.96	1.04
459	10/4/2020 16:41	10/4/2020 16:42	0:00:50	49.80	-28.92	420.29	50.62	-24.25	420.45	-141.99	2.01
460	10/4/2020 16:43	10/4/2020 16:44	0:01:49	51.23	-19.44	420.56	51.80	-8.52	420.63	-141.96	2.04
461	10/4/2020 16:46	10/4/2020 16:46	0:00:10	51.34	1.42	420.48	51.25	2.39	420.46	-142.94	1.06
462	10/4/2020 16:49	10/4/2020 16:50	0:00:59	47.87	19.82	419.64	46.25	24.73	419.27	-143.61	0.39
463	10/4/2020 16:53	10/4/2020 16:54	0:00:40	40.55	36.98	418.02	39.02	39.52	417.70	-143.31	0.69
464	10/4/2020 16:55	10/4/2020 16:56	0:01:00	35.78	44.26	417.07	33.21	47.54	416.60	-143.80	0.20
465	10/4/2020 16:57	10/4/2020 17:00	0:02:40	31.44	49.62	416.31	24.04	57.15	415.32	-142.42	1.58
466	10/4/2020 17:01	10/4/2020 17:03	0:01:51	19.69	60.97	414.95	14.25	65.33	414.75	-142.99	1.01
467	10/4/2020 17:04	10/4/2020 17:04	0:00:20	12.24	66.86	414.75	11.24	67.61	414.77	-142.61	1.39
468	10/4/2020 17:06	10/4/2020 17:07	0:00:20	4.14	72.75	415.21	3.12	73.47	415.32	-143.84	0.16
469	10/4/2020 17:07	10/4/2020 17:08	0:00:20	1.08	74.91	415.58	0.06	75.63	415.73	-143.72	0.28
470	10/4/2020 17:15	10/4/2020 17:15	0:00:10	-21.50	91.92	421.38	-21.99	92.34	421.56	-143.80	0.20
471	10/4/2020 17:16	10/4/2020 17:16	0:00:11	-24.86	94.94	422.63	-25.33	95.38	422.82	-143.73	0.27
472	10/4/2020 17:17	10/4/2020 17:18	0:01:31	-27.20	97.20	423.55	-31.30	101.55	425.23	-142.29	1.71
473	10/4/2020 17:20	10/4/2020 17:21	0:01:11	-36.05	107.44	427.26	-38.87	111.58	428.49	-143.15	0.85
474	10/4/2020 17:24	10/4/2020 17:25	0:01:31	-43.95	120.95	430.74	-46.69	127.83	431.95	-143.27	0.73
475	10/4/2020 17:28	10/4/2020 17:28	0:00:00	-50.26	141.74	433.53	-50.26	141.74	433.53	-143.82	0.18
476	10/4/2020 17:29	10/4/2020 17:31	0:01:40	-51.19	148.40	433.95	-51.79	158.26	434.25	-142.87	1.13
477	10/4/2020 17:33	10/4/2020 17:33	0:00:00	-50.97	173.04	434.01	-50.97	173.04	434.01	-143.97	0.03
478	10/4/2020 17:35	10/4/2020 17:35	0:00:41	-49.55	-178.56	433.48	-48.71	-175.02	433.16	-143.64	0.36
479	10/4/2020 17:37	10/4/2020 17:38	0:00:20	-45.23	-164.41	431.76	-44.60	-162.90	431.51	-143.91	0.09
480	10/4/2020 17:42	10/4/2020 17:42	0:00:30	-35.64	-147.36	427.80	-34.37	-145.70	427.27	-143.36	0.64

Table 3 Approach GN 6Mbps (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)
481	10/4/2020 17:44	10/4/2020 17:45	0:01:01	-30.87	-141.54	425.85	-28.14	-138.62	424.77	-142.21	1.79
482	10/4/2020 17:45	10/4/2020 17:46	0:00:40	-26.75	-137.23	424.24	-24.87	-135.42	423.53	-143.21	0.79
483	10/4/2020 17:49	10/4/2020 17:50	0:01:11	-16.62	-128.34	420.68	-13.14	-125.63	419.64	-143.00	1.00
484	10/4/2020 18:04	10/4/2020 18:04	0:00:20	29.16	-92.60	416.66	30.07	-91.62	416.78	-143.52	0.48
485	10/4/2020 18:07	10/4/2020 18:08	0:01:21	36.99	-83.04	417.83	40.15	-78.14	418.39	-143.24	0.76
486	10/4/2020 18:10	10/4/2020 18:10	0:00:50	43.06	-72.75	418.93	44.71	-69.11	419.24	-142.14	1.86
487	10/4/2020 18:11	10/4/2020 18:12	0:01:10	45.64	-66.83	419.42	47.60	-61.19	419.79	-142.83	1.17
488	10/4/2020 18:14	10/4/2020 18:15	0:01:01	49.82	-52.42	420.21	50.77	-46.80	420.37	-141.98	2.02
489	10/4/2020 18:15	10/4/2020 18:17	0:01:51	51.24	-42.93	420.45	51.80	-32.02	420.50	-141.95	2.05
490	10/4/2020 18:19	10/4/2020 18:19	0:00:09	51.34	-22.08	420.34	51.24	-21.10	420.31	-143.26	0.74
491	10/4/2020 18:22	10/4/2020 18:23	0:00:50	47.59	-2.85	419.40	46.22	1.22	419.08	-143.58	0.42
492	10/4/2020 18:26	10/4/2020 18:27	0:00:39	40.52	13.45	417.81	38.98	15.99	417.49	-143.08	0.92
493	10/4/2020 18:28	10/4/2020 18:29	0:01:10	35.73	20.73	416.86	32.73	24.53	416.32	-143.71	0.29
494	10/4/2020 18:30	10/4/2020 18:33	0:02:51	31.40	26.08	416.10	23.51	34.04	415.06	-142.58	1.42
495	10/4/2020 18:34	10/4/2020 18:36	0:01:51	19.15	37.83	414.72	13.70	42.17	414.55	-143.13	0.87
496	10/4/2020 18:37	10/4/2020 18:37	0:00:20	11.69	43.68	414.57	10.68	44.43	414.60	-143.05	0.95
497	10/4/2020 18:40	10/4/2020 18:40	0:00:09	0.52	51.72	415.49	0.01	52.08	415.56	-143.51	0.49
498	10/4/2020 18:45	10/4/2020 18:45	0:00:00	-14.18	62.36	418.80	-14.18	62.36	418.80	-143.83	0.17
499	10/4/2020 18:47	10/4/2020 18:48	0:00:09	-21.07	67.95	421.09	-21.56	68.37	421.26	-143.82	0.18
500	10/4/2020 18:49	10/4/2020 18:49	0:00:00	-24.91	71.40	422.52	-24.91	71.40	422.52	-143.75	0.25
501	10/4/2020 18:50	10/4/2020 18:51	0:01:20	-27.72	74.13	423.63	-31.35	78.02	425.13	-142.36	1.64
502	10/4/2020 18:53	10/4/2020 18:54	0:01:10	-36.09	83.91	427.16	-38.92	88.06	428.41	-143.12	0.88
503	10/4/2020 18:57	10/4/2020 18:58	0:01:21	-44.31	98.17	430.80	-46.72	104.33	431.87	-143.26	0.74
504	10/4/2020 19:01	10/4/2020 19:01	0:00:09	-50.28	118.26	433.45	-50.44	119.19	433.53	-143.87	0.13
505	10/4/2020 19:02	10/4/2020 19:03	0:01:40	-51.21	124.92	433.88	-51.79	134.78	434.18	-142.75	1.25
506	10/4/2020 19:06	10/4/2020 19:06	0:00:00	-50.96	149.56	433.95	-50.96	149.56	433.95	-143.94	0.06
507	10/4/2020 19:07	10/4/2020 19:08	0:00:50	-49.53	157.95	433.43	-48.46	162.36	433.02	-143.63	0.37
508	10/4/2020 19:10	10/4/2020 19:11	0:00:09	-44.88	172.85	431.60	-44.57	173.59	431.47	-143.95	0.05
509	10/4/2020 19:15	10/4/2020 19:15	0:00:30	-35.59	-170.89	427.78	-34.32	-169.23	427.26	-143.17	0.83
510	10/4/2020 19:16	10/4/2020 19:19	0:02:21	-30.82	-165.07	425.84	-24.34	-158.52	423.35	-142.45	1.55
511	10/4/2020 19:21	10/4/2020 19:23	0:01:10	-16.57	-151.88	420.70	-13.08	-149.18	419.66	-143.11	0.89
512	10/4/2020 19:37	10/4/2020 19:37	0:00:11	29.67	-115.65	416.77	30.12	-115.15	416.83	-143.75	0.25
513	10/4/2020 19:40	10/4/2020 19:41	0:01:20	37.04	-106.57	417.89	40.20	-101.66	418.44	-143.41	0.59
514	10/4/2020 19:42	10/4/2020 19:43	0:01:01	43.09	-96.26	418.98	45.06	-91.87	419.35	-142.43	1.57
515	10/4/2020 19:44	10/4/2020 19:45	0:00:59	45.97	-89.55	419.52	47.63	-84.69	419.83	-142.67	1.33
516	10/4/2020 19:47	10/4/2020 19:48	0:01:01	49.84	-75.91	420.24	50.79	-70.28	420.40	-141.97	2.03
517	10/4/2020 19:48	10/4/2020 19:50	0:01:46	51.26	-66.41	420.48	51.80	-56.00	420.50	-141.94	2.06
518	10/4/2020 19:52	10/4/2020 19:52	0:00:10	51.28	-45.07	420.32	51.18	-44.10	420.29	-142.98	1.02
519	10/4/2020 19:55	10/4/2020 19:56	0:00:59	47.69	-26.76	419.42	46.05	-21.88	419.04	-143.58	0.42
520	10/4/2020 19:59	10/4/2020 20:00	0:00:40	40.29	-9.74	417.75	38.75	-7.22	417.43	-143.07	0.93
521	10/4/2020 20:01	10/4/2020 20:02	0:01:09	35.48	-2.52	416.79	32.46	1.26	416.25	-143.71	0.29
522	10/4/2020 20:03	10/4/2020 20:05	0:02:49	31.13	2.80	416.03	23.22	10.72	415.00	-142.58	1.42
523	10/4/2020 20:07	10/4/2020 20:09	0:01:49	18.85	14.49	414.67	13.39	18.81	414.51	-143.11	0.89
524	10/4/2020 20:10	10/4/2020 20:10	0:00:10	10.88	20.70	414.55	10.37	21.07	414.57	-143.55	0.45
525	10/4/2020 20:11	10/4/2020 20:12	0:00:11	5.30	24.74	414.88	4.80	25.11	414.93	-143.97	0.03
526	10/4/2020 20:13	10/4/2020 20:13	0:00:11	0.21	28.35	415.49	-0.30	28.71	415.57	-143.83	0.17
527	10/4/2020 20:17	10/4/2020 20:18	0:00:31	-12.98	37.86	418.40	-14.48	39.01	418.84	-143.43	0.57
528	10/4/2020 20:21	10/4/2020 20:21	0:00:00	-24.72	47.63	422.40	-24.72	47.63	422.40	-143.81	0.19
529	10/4/2020 20:23	10/4/2020 20:24	0:01:09	-28.00	50.83	423.69	-31.18	54.23	425.01	-142.45	1.55
530	10/4/2020 20:26	10/4/2020 20:27	0:01:20	-35.93	60.10	427.05	-39.15	64.85	428.47	-143.02	0.98
531	10/4/2020 20:29	10/4/2020 20:31	0:01:21	-44.18	74.29	430.70	-46.61	80.43	431.78	-143.27	0.73
532	10/4/2020 20:33	10/4/2020 20:33	0:00:20	-50.05	93.38	433.31	-50.38	95.23	433.46	-143.81	0.19
533	10/4/2020 20:35	10/4/2020 20:36	0:01:29	-51.27	101.92	433.87	-51.78	110.81	434.14	-142.73	1.27
534	10/4/2020 20:39	10/4/2020 20:39	0:00:11	-51.01	125.60	433.93	-50.88	126.56	433.88	-143.97	0.03
535	10/4/2020 20:40	10/4/2020 20:41	0:00:50	-49.41	134.91	433.34	-48.32	139.30	432.92	-143.63	0.37
536	10/4/2020 20:43	10/4/2020 20:43	0:00:11	-44.69	149.71	431.48	-44.37	150.45	431.35	-143.95	0.05
537	10/4/2020 20:47	10/4/2020 20:48	0:00:41	-35.34	165.87	427.63	-33.63	168.05	426.94	-143.17	0.83
538	10/4/2020 20:49	10/4/2020 20:52	0:02:41	-30.54	171.65	425.70	-23.10	179.03	422.87	-142.63	1.37
539	10/4/2020 20:54	10/4/2020 20:55	0:01:29	-17.26	-176.02	420.89	-12.78	-172.53	419.55	-143.19	0.81
540	10/4/2020 21:10	10/4/2020 21:10	0:00:00	29.94	-138.93	416.78	29.94	-138.93	416.78	-143.86	0.14

Table 3 Approach GN 6Mbps (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)
541	10/4/2020 21:12	10/4/2020 21:14	0:01:31	36.88	-130.38	417.83	40.43	-124.85	418.45	-143.54	0.46
542	10/4/2020 21:15	10/4/2020 21:15	0:00:00	42.26	-121.51	418.79	42.26	-121.51	418.79	-143.89	0.11
543	10/4/2020 21:15	10/4/2020 21:18	0:02:30	43.30	-119.42	418.98	47.79	-107.76	419.83	-142.57	1.43
544	10/4/2020 21:19	10/4/2020 21:20	0:00:50	49.95	-98.93	420.22	50.74	-94.24	420.36	-141.88	2.12
545	10/4/2020 21:21	10/4/2020 21:23	0:01:40	51.32	-89.41	420.45	51.80	-79.47	420.48	-141.93	2.07
546	10/4/2020 21:25	10/4/2020 21:25	0:00:09	51.27	-68.55	420.30	51.17	-67.57	420.27	-143.19	0.81
547	10/4/2020 21:28	10/4/2020 21:29	0:00:50	47.41	-49.42	419.34	46.02	-45.38	419.01	-143.56	0.44
548	10/4/2020 21:32	10/4/2020 21:33	0:00:41	39.87	-32.61	417.66	38.31	-30.13	417.34	-143.19	0.81
549	10/4/2020 21:34	10/4/2020 21:38	0:04:29	35.01	-25.48	416.70	22.69	-12.39	414.96	-142.32	1.68
550	10/4/2020 21:40	10/4/2020 21:42	0:01:40	18.31	-8.65	414.64	13.34	-4.73	414.52	-142.95	1.05
551	10/4/2020 21:43	10/4/2020 21:43	0:00:11	10.32	-2.47	414.57	9.81	-2.10	414.59	-143.88	0.12
552	10/4/2020 21:44	10/4/2020 21:45	0:00:30	5.76	0.83	414.85	4.23	1.92	414.99	-143.74	0.26
553	10/4/2020 21:46	10/4/2020 21:46	0:00:00	-0.36	5.16	415.58	-0.36	5.16	415.58	-143.81	0.19
554	10/4/2020 21:47	10/4/2020 21:47	0:00:20	-2.91	6.96	416.01	-3.93	7.68	416.20	-143.64	0.36
555	10/4/2020 21:50	10/4/2020 21:51	0:00:30	-12.53	13.94	418.27	-14.04	15.08	418.71	-143.73	0.27
556	10/4/2020 21:54	10/4/2020 21:54	0:00:11	-24.30	23.66	422.23	-24.77	24.10	422.41	-143.79	0.21
557	10/4/2020 21:55	10/4/2020 21:56	0:01:01	-28.05	27.29	423.70	-30.78	30.20	424.82	-142.55	1.45
558	10/4/2020 21:58	10/4/2020 22:00	0:01:10	-35.98	36.58	427.04	-38.81	40.71	428.28	-142.91	1.09
559	10/4/2020 22:02	10/4/2020 22:03	0:01:10	-44.54	51.53	430.82	-46.64	56.93	431.75	-143.24	0.76
560	10/4/2020 22:06	10/4/2020 22:06	0:00:21	-50.07	69.90	433.27	-50.39	71.75	433.41	-143.74	0.26
561	10/4/2020 22:07	10/4/2020 22:09	0:01:40	-51.28	78.45	433.82	-51.80	88.33	434.09	-142.64	1.36
562	10/4/2020 22:12	10/4/2020 22:12	0:00:00	-50.87	103.08	433.81	-50.87	103.08	433.81	-143.94	0.06
563	10/4/2020 22:13	10/4/2020 22:14	0:00:59	-49.39	111.43	433.25	-48.05	116.66	432.74	-143.63	0.37
564	10/4/2020 22:16	10/4/2020 22:16	0:00:21	-44.66	126.21	431.38	-44.01	127.69	431.11	-143.92	0.08
565	10/4/2020 22:20	10/4/2020 22:21	0:00:30	-34.87	142.90	427.35	-33.58	144.52	426.83	-143.19	0.81
566	10/4/2020 22:22	10/4/2020 22:25	0:02:29	-30.04	148.61	425.41	-23.04	155.49	422.77	-142.76	1.24
567	10/4/2020 22:27	10/4/2020 22:28	0:01:40	-17.20	160.44	420.79	-12.22	164.31	419.32	-143.24	0.76
568	10/4/2020 22:31	10/4/2020 22:31	0:00:00	-4.63	169.83	417.52	-4.63	169.83	417.52	-143.92	0.08
569	10/4/2020 22:42	10/4/2020 22:42	0:00:09	28.17	-164.39	416.55	28.63	-163.92	416.61	-143.89	0.11
570	10/4/2020 22:43	10/4/2020 22:43	0:00:00	30.00	-162.46	416.79	30.00	-162.46	416.79	-143.92	0.08
571	10/4/2020 22:45	10/4/2020 22:47	0:01:49	36.10	-155.05	417.71	40.47	-148.36	418.48	-143.67	0.33
572	10/4/2020 22:47	10/4/2020 22:48	0:00:09	41.94	-145.70	418.76	42.30	-145.02	418.82	-143.72	0.28
573	10/4/2020 22:48	10/4/2020 22:51	0:02:30	43.34	-142.92	419.02	47.81	-131.25	419.88	-142.35	1.65
574	10/4/2020 22:52	10/4/2020 22:53	0:01:01	49.97	-122.41	420.28	50.89	-116.76	420.44	-142.09	1.91
575	10/4/2020 22:54	10/4/2020 22:56	0:01:51	51.33	-112.88	420.51	51.80	-101.94	420.54	-141.94	2.06
576	10/4/2020 22:57	10/4/2020 22:58	0:00:11	51.26	-92.02	420.37	51.16	-91.05	420.34	-143.33	0.67
577	10/4/2020 23:01	10/4/2020 23:02	0:00:59	47.38	-72.91	419.41	45.68	-68.10	419.02	-143.55	0.45
578	10/4/2020 23:05	10/4/2020 23:05	0:00:39	39.82	-56.13	417.74	38.26	-53.64	417.42	-143.07	0.93
579	10/4/2020 23:07	10/4/2020 23:11	0:04:31	34.96	-49.01	416.79	22.64	-35.92	415.06	-142.08	1.92
580	10/4/2020 23:13	10/4/2020 23:14	0:01:29	17.76	-31.79	414.72	13.28	-28.28	414.63	-142.84	1.16
581	10/4/2020 23:17	10/4/2020 23:18	0:00:41	5.70	-22.71	414.96	3.66	-21.26	415.16	-143.68	0.32
582	10/4/2020 23:19	10/4/2020 23:19	0:00:00	-0.42	-18.39	415.69	-0.42	-18.39	415.69	-143.69	0.31
583	10/4/2020 23:20	10/4/2020 23:20	0:00:30	-2.97	-16.59	416.13	-4.49	-15.51	416.42	-142.88	1.12
584	10/4/2020 23:23	10/4/2020 23:23	0:00:20	-12.59	-9.61	418.38	-13.59	-8.85	418.67	-143.77	0.23
585	10/4/2020 23:25	10/4/2020 23:25	0:00:09	-19.53	-4.11	420.57	-20.02	-3.70	420.74	-143.57	0.43
586	10/4/2020 23:27	10/4/2020 23:27	0:00:09	-24.35	0.12	422.32	-24.83	0.56	422.51	-143.59	0.41
587	10/4/2020 23:28	10/4/2020 23:29	0:01:00	-28.10	3.76	423.79	-30.83	6.67	424.91	-142.55	1.45
588	10/4/2020 23:31	10/4/2020 23:32	0:01:11	-36.02	13.06	427.12	-38.85	17.19	428.36	-142.80	1.20
589	10/4/2020 23:35	10/4/2020 23:36	0:01:11	-44.58	28.02	430.88	-46.67	33.43	431.80	-143.22	0.78
590	10/4/2020 23:39	10/4/2020 23:39	0:00:20	-50.08	46.41	433.30	-50.41	48.27	433.45	-143.64	0.36
591	10/4/2020 23:40	10/4/2020 23:42	0:01:40	-51.29	54.97	433.84	-51.80	64.85	434.10	-142.41	1.59
592	10/4/2020 23:44	10/4/2020 23:44	0:00:00	-50.86	79.60	433.80	-50.86	79.60	433.80	-143.92	0.08
593	10/4/2020 23:46	10/4/2020 23:47	0:00:50	-49.16	88.83	433.16	-48.02	93.17	432.71	-143.63	0.37
594	10/4/2020 23:49	10/4/2020 23:49	0:00:30	-44.62	102.71	431.34	-43.64	104.90	430.94	-143.91	0.09
595	10/4/2020 23:53	10/4/2020 23:54	0:00:40	-34.82	119.37	427.28	-33.10	121.53	426.58	-143.09	0.91
596	10/4/2020 23:55	10/4/2020 23:55	0:00:00	-29.99	125.08	425.33	-29.99	125.08	425.33	-143.95	0.05
597	10/4/2020 23:56	10/4/2020 23:57	0:01:40	-28.63	126.53	424.80	-23.95	131.09	423.03	-142.41	1.59
598	10/5/2020 0:15	10/5/2020 0:15	0:00:39	28.22	172.08	416.41	30.05	174.01	416.64	-143.72	0.28
599	10/5/2020 0:18	10/5/2020 0:19	0:01:20	35.73	-179.14	417.50	38.98	-174.41	418.07	-143.68	0.32
600	10/5/2020 0:19	10/5/2020 0:20	0:00:10	40.14	-172.52	418.28	40.51	-171.87	418.35	-143.99	0.01

Table 3 Approach GN 6Mbps (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)
601	10/5/2020 0:20	10/5/2020 0:20	0:00:21	41.62	-169.89	418.56	42.34	-168.52	418.70	-143.53	0.47
602	10/5/2020 0:21	10/5/2020 0:23	0:02:31	43.38	-166.42	418.90	47.84	-154.74	419.78	-142.35	1.65
603	10/5/2020 0:25	10/5/2020 0:26	0:00:59	49.99	-145.89	420.21	50.90	-140.23	420.39	-142.29	1.71
604	10/5/2020 0:27	10/5/2020 0:29	0:01:49	51.34	-136.35	420.47	51.79	-125.41	420.54	-141.95	2.05
605	10/5/2020 0:30	10/5/2020 0:30	0:00:10	51.25	-115.49	420.40	51.14	-114.52	420.37	-143.07	0.93
606	10/5/2020 0:34	10/5/2020 0:35	0:01:01	47.34	-96.40	419.53	45.65	-91.59	419.16	-143.54	0.46
607	10/5/2020 0:38	10/5/2020 0:38	0:00:39	39.39	-79.01	417.89	37.81	-76.56	417.59	-142.94	1.06
608	10/5/2020 0:40	10/5/2020 0:44	0:04:30	34.49	-71.98	416.99	22.10	-59.03	415.44	-141.82	2.18
609	10/5/2020 0:46	10/5/2020 0:47	0:01:39	17.70	-55.33	415.20	12.72	-51.44	415.17	-142.82	1.18
610	10/5/2020 0:50	10/5/2020 0:50	0:00:41	5.64	-46.26	415.57	3.61	-44.81	415.79	-143.64	0.36
611	10/5/2020 0:53	10/5/2020 0:54	0:00:59	-3.02	-40.14	416.82	-6.07	-37.97	417.46	-142.98	1.02
612	10/5/2020 0:56	10/5/2020 0:56	0:00:21	-12.64	-33.15	419.16	-13.64	-32.39	419.45	-143.76	0.24
613	10/5/2020 0:58	10/5/2020 0:58	0:00:20	-19.09	-28.07	421.22	-20.07	-27.25	421.56	-143.42	0.58
614	10/5/2020 1:00	10/5/2020 1:00	0:00:21	-23.92	-23.86	422.99	-24.87	-22.98	423.35	-143.66	0.34
615	10/5/2020 1:01	10/5/2020 1:02	0:00:50	-28.14	-19.78	424.65	-30.42	-17.37	425.59	-142.48	1.52
616	10/5/2020 1:04	10/5/2020 1:05	0:01:10	-36.06	-10.48	428.00	-38.89	-6.34	429.23	-142.77	1.23
617	10/5/2020 1:08	10/5/2020 1:09	0:00:39	-44.60	4.50	431.75	-45.84	7.54	432.28	-143.20	0.80
618	10/5/2020 1:10	10/5/2020 1:10	0:00:00	-47.50	12.36	433.01	-47.50	12.36	433.01	-143.95	0.05
619	10/5/2020 1:10	10/5/2020 1:20	0:09:20	-48.71	16.61	433.53	-48.00	69.64	433.35	-143.54	0.46
620	10/5/2020 1:21	10/5/2020 1:21	0:00:00	-46.12	75.35	432.59	-46.12	75.35	432.59	-143.72	0.28
621	10/5/2020 1:22	10/5/2020 1:22	0:00:20	-44.28	79.91	431.83	-43.62	81.36	431.55	-143.91	0.09
622	10/5/2020 1:26	10/5/2020 1:27	0:00:29	-34.37	96.37	427.69	-33.07	97.97	427.16	-143.07	0.93
623	10/5/2020 1:28	10/5/2020 1:31	0:02:10	-28.59	102.98	425.36	-22.48	108.82	423.07	-142.33	1.67
624	10/5/2020 1:33	10/5/2020 1:34	0:01:49	-16.62	113.73	421.10	-11.13	117.95	419.51	-143.23	0.77
625	10/5/2020 1:48	10/5/2020 1:48	0:00:41	28.24	148.51	417.08	30.07	150.45	417.32	-143.58	0.42
626	10/5/2020 1:50	10/5/2020 1:52	0:01:19	35.75	157.30	418.19	39.00	162.03	418.76	-143.63	0.37
627	10/5/2020 1:53	10/5/2020 1:56	0:03:20	41.64	166.56	419.26	47.85	-178.29	420.48	-142.20	1.80
628	10/5/2020 1:58	10/5/2020 1:59	0:01:00	50.00	-169.44	420.90	50.90	-163.78	421.07	-142.33	1.67
629	10/5/2020 2:00	10/5/2020 2:01	0:01:39	51.34	-159.90	421.15	51.80	-149.96	421.20	-141.98	2.02
630	10/5/2020 2:03	10/5/2020 2:03	0:00:11	51.14	-138.07	421.01	51.03	-137.10	420.98	-142.87	1.13
631	10/5/2020 2:07	10/5/2020 2:08	0:01:10	47.34	-119.96	420.12	45.33	-114.39	419.67	-143.55	0.45
632	10/5/2020 2:11	10/5/2020 2:11	0:00:41	39.38	-102.58	418.40	37.80	-100.13	418.08	-143.26	0.74
633	10/5/2020 2:13	10/5/2020 2:17	0:04:20	34.04	-95.01	417.39	22.09	-82.61	415.80	-141.75	2.25
634	10/5/2020 2:19	10/5/2020 2:20	0:01:29	17.20	-78.51	415.50	12.71	-75.02	415.44	-142.78	1.22
635	10/5/2020 2:23	10/5/2020 2:23	0:00:50	5.63	-69.84	415.78	3.09	-68.03	416.04	-143.75	0.25
636	10/5/2020 2:25	10/5/2020 2:27	0:01:10	-3.03	-63.72	416.95	-6.59	-61.18	417.68	-143.13	0.87
637	10/5/2020 2:29	10/5/2020 2:29	0:00:11	-13.15	-56.36	419.36	-13.65	-55.98	419.50	-143.73	0.27
638	10/5/2020 2:30	10/5/2020 2:31	0:00:41	-18.12	-52.46	420.90	-20.08	-50.83	421.57	-143.50	0.50
639	10/5/2020 2:33	10/5/2020 2:33	0:00:00	-24.88	-46.56	423.32	-24.88	-46.56	423.32	-143.56	0.44
640	10/5/2020 2:34	10/5/2020 2:35	0:00:59	-27.69	-43.83	424.42	-30.43	-40.94	425.53	-142.29	1.71
641	10/5/2020 2:37	10/5/2020 2:38	0:01:10	-36.07	-34.05	427.92	-38.90	-29.91	429.14	-142.77	1.23
642	10/5/2020 2:41	10/5/2020 2:42	0:00:59	-44.93	-18.32	431.78	-46.71	-13.66	432.56	-143.15	0.85
643	10/5/2020 2:44	10/5/2020 2:45	0:00:21	-50.10	-0.67	434.03	-50.43	1.20	434.17	-143.58	0.42
644	10/5/2020 2:46	10/5/2020 2:48	0:01:31	-51.39	8.87	434.60	-51.80	17.78	434.80	-142.68	1.32
645	10/5/2020 2:50	10/5/2020 2:50	0:00:10	-50.84	32.52	434.48	-50.71	33.47	434.43	-143.97	0.03
646	10/5/2020 2:52	10/5/2020 2:53	0:01:01	-49.14	41.74	433.82	-47.75	46.92	433.26	-143.63	0.37
647	10/5/2020 2:55	10/5/2020 2:55	0:00:31	-44.27	56.34	431.84	-43.27	58.51	431.42	-143.90	0.10
648	10/5/2020 2:57	10/5/2020 2:57	0:00:00	-39.64	65.19	429.90	-39.64	65.19	429.90	-143.87	0.13
649	10/5/2020 2:59	10/5/2020 3:00	0:00:39	-34.35	72.80	427.69	-32.62	74.92	426.98	-142.98	1.02
650	10/5/2020 3:01	10/5/2020 3:03	0:02:01	-28.12	79.87	425.18	-22.47	85.25	423.05	-142.25	1.75
651	10/5/2020 3:05	10/5/2020 3:08	0:02:10	-16.61	90.15	421.07	-10.11	95.11	419.22	-143.16	0.84
652	10/5/2020 3:19	10/5/2020 3:19	0:00:11	24.98	121.72	416.67	25.45	122.17	416.72	-143.94	0.06
653	10/5/2020 3:20	10/5/2020 3:21	0:00:50	28.26	124.94	417.04	30.54	127.37	417.34	-143.60	0.40
654	10/5/2020 3:23	10/5/2020 3:25	0:01:31	35.34	133.16	418.08	39.01	138.46	418.72	-143.53	0.47
655	10/5/2020 3:26	10/5/2020 3:29	0:03:30	41.29	142.32	419.15	47.86	158.15	420.44	-141.99	2.01
656	10/5/2020 3:31	10/5/2020 3:32	0:00:50	50.17	167.93	420.89	50.91	172.66	421.03	-142.37	1.63
657	10/5/2020 3:33	10/5/2020 3:34	0:01:29	51.43	177.53	421.12	51.80	-173.52	421.16	-141.93	2.07
658	10/5/2020 3:36	10/5/2020 3:36	0:00:09	51.13	-161.63	420.97	51.02	-160.66	420.94	-143.28	0.72
659	10/5/2020 3:40	10/5/2020 3:41	0:01:00	47.06	-142.70	420.02	45.32	-137.95	419.63	-143.54	0.46
660	10/5/2020 3:44	10/5/2020 3:44	0:00:40	38.98	-125.53	418.29	37.38	-123.10	417.98	-143.27	0.73

Table 3 Approach GN 6Mbps (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)
661	10/5/2020 3:46	10/5/2020 3:50	0:04:31	34.03	-118.58	417.37	21.59	-105.77	415.77	-141.75	2.25
662	10/5/2020 3:52	10/5/2020 3:53	0:01:29	16.69	-101.69	415.50	12.19	-98.22	415.47	-142.85	1.15
663	10/5/2020 3:55	10/5/2020 3:55	0:00:00	5.62	-93.42	415.82	5.62	-93.42	415.82	-143.96	0.04
664	10/5/2020 3:56	10/5/2020 3:56	0:00:19	4.09	-92.33	415.97	3.07	-91.61	416.08	-143.88	0.12
665	10/5/2020 3:58	10/5/2020 3:59	0:01:11	-3.05	-87.30	417.01	-6.61	-84.76	417.74	-143.28	0.72
666	10/5/2020 4:02	10/5/2020 4:02	0:00:20	-13.17	-79.93	419.42	-14.17	-79.17	419.72	-143.85	0.15
667	10/5/2020 4:03	10/5/2020 4:04	0:01:00	-17.15	-76.83	420.65	-20.09	-74.41	421.64	-143.11	0.89
668	10/5/2020 4:06	10/5/2020 4:06	0:00:11	-24.90	-70.14	423.41	-25.37	-69.69	423.59	-143.78	0.22
669	10/5/2020 4:07	10/5/2020 4:08	0:00:59	-27.71	-67.40	424.51	-30.44	-64.52	425.62	-142.05	1.95
670	10/5/2020 4:10	10/5/2020 4:11	0:01:11	-36.08	-57.62	428.00	-38.91	-53.48	429.22	-142.90	1.10
671	10/5/2020 4:14	10/5/2020 4:15	0:01:00	-44.94	-41.89	431.86	-46.71	-37.22	432.63	-143.14	0.86
672	10/5/2020 4:17	10/5/2020 4:18	0:00:11	-50.27	-23.30	434.17	-50.43	-22.37	434.24	-143.57	0.43
673	10/5/2020 4:19	10/5/2020 4:21	0:01:40	-51.39	-14.69	434.67	-51.79	-4.78	434.87	-142.77	1.23
674	10/5/2020 4:23	10/5/2020 4:23	0:00:11	-50.84	8.96	434.54	-50.70	9.91	434.49	-143.93	0.07
675	10/5/2020 4:25	10/5/2020 4:26	0:00:50	-48.91	19.06	433.79	-47.74	23.35	433.32	-143.66	0.34
676	10/5/2020 4:28	10/5/2020 4:28	0:00:30	-44.26	32.77	431.89	-43.26	34.94	431.47	-143.89	0.11
677	10/5/2020 4:32	10/5/2020 4:33	0:00:30	-33.91	49.76	427.56	-32.61	51.35	427.02	-143.06	0.94
678	10/5/2020 4:34	10/5/2020 4:36	0:02:00	-28.11	56.30	425.22	-22.45	61.67	423.09	-141.95	2.05
679	10/5/2020 4:38	10/5/2020 4:40	0:01:59	-16.10	66.97	420.95	-10.09	71.53	419.24	-143.25	0.75
680	10/5/2020 4:52	10/5/2020 4:52	0:00:11	25.47	98.59	416.76	25.94	99.04	416.81	-143.85	0.15
681	10/5/2020 4:53	10/5/2020 4:54	0:00:50	28.27	101.36	417.09	30.55	103.79	417.40	-143.68	0.32
682	10/5/2020 4:56	10/5/2020 4:57	0:01:20	35.77	110.15	418.22	39.02	114.89	418.81	-143.41	0.59
683	10/5/2020 4:58	10/5/2020 4:59	0:00:09	41.29	118.75	419.24	41.66	119.42	419.31	-143.53	0.47
684	10/5/2020 4:59	10/5/2020 5:02	0:02:40	43.41	122.89	419.66	48.11	135.43	420.60	-141.98	2.02
685	10/5/2020 5:04	10/5/2020 5:05	0:00:50	50.18	144.36	421.01	50.91	149.09	421.15	-142.43	1.57
686	10/5/2020 5:05	10/5/2020 5:07	0:01:40	51.43	153.96	421.25	51.79	163.92	421.29	-141.94	2.06
687	10/5/2020 5:09	10/5/2020 5:09	0:00:10	51.13	174.80	421.11	51.02	175.77	421.08	-143.16	0.84
688	10/5/2020 5:12	10/5/2020 5:14	0:01:09	47.05	-166.28	420.16	45.00	-160.76	419.71	-143.53	0.47
689	10/5/2020 5:16	10/5/2020 5:17	0:00:41	38.97	-149.10	418.43	37.37	-146.68	418.12	-143.60	0.40
690	10/5/2020 5:19	10/5/2020 5:23	0:04:20	33.59	-141.62	417.43	21.58	-129.35	415.88	-141.97	2.03
691	10/5/2020 5:25	10/5/2020 5:26	0:01:29	16.18	-124.88	415.60	11.68	-121.42	415.58	-143.03	0.97
692	10/5/2020 5:28	10/5/2020 5:28	0:00:00	5.60	-117.00	415.91	5.60	-117.00	415.91	-143.86	0.14
693	10/5/2020 5:29	10/5/2020 5:29	0:00:00	3.06	-115.19	416.17	3.06	-115.19	416.17	-144.00	0.00
694	10/5/2020 5:31	10/5/2020 5:32	0:01:00	-3.57	-110.52	417.18	-6.62	-108.35	417.81	-143.39	0.61
695	10/5/2020 5:36	10/5/2020 5:37	0:00:59	-17.16	-100.41	420.70	-20.10	-97.99	421.69	-143.12	0.88
696	10/5/2020 5:39	10/5/2020 5:39	0:00:00	-25.38	-93.27	423.63	-25.38	-93.27	423.63	-143.94	0.06
697	10/5/2020 5:39	10/5/2020 5:40	0:01:01	-27.71	-90.99	424.54	-30.45	-88.10	425.65	-141.91	2.09
698	10/5/2020 5:43	10/5/2020 5:44	0:01:10	-36.09	-81.20	428.02	-38.91	-77.06	429.24	-143.02	0.98
699	10/5/2020 5:47	10/5/2020 5:48	0:01:01	-44.94	-65.46	431.86	-46.72	-60.80	432.63	-143.12	0.88
700	10/5/2020 5:50	10/5/2020 5:50	0:00:09	-50.27	-46.87	434.15	-50.43	-45.94	434.22	-143.62	0.38
701	10/5/2020 5:52	10/5/2020 5:53	0:01:40	-51.39	-38.26	434.64	-51.79	-28.36	434.83	-142.83	1.17
702	10/5/2020 5:56	10/5/2020 5:56	0:00:09	-50.83	-14.62	434.49	-50.70	-13.66	434.44	-143.94	0.06
703	10/5/2020 5:58	10/5/2020 5:58	0:00:50	-48.91	-4.51	433.73	-47.73	-0.23	433.26	-143.66	0.34
704	10/5/2020 6:01	10/5/2020 6:01	0:00:30	-43.92	9.93	431.69	-42.91	12.06	431.26	-143.89	0.11
705	10/5/2020 6:02	10/5/2020 6:02	0:00:00	-40.38	16.77	430.20	-40.38	16.77	430.20	-143.84	0.16
706	10/5/2020 6:03	10/5/2020 6:03	0:00:00	-39.24	18.67	429.72	-39.24	18.67	429.72	-143.91	0.09
707	10/5/2020 6:05	10/5/2020 6:06	0:00:30	-33.47	26.71	427.31	-32.16	28.28	426.78	-143.16	0.84
708	10/5/2020 6:07	10/5/2020 6:09	0:02:10	-28.10	32.71	425.15	-21.96	38.51	422.85	-141.96	2.04

Max. Exceedance: 8.11 dB

Table 4 Approach GN 3Mbps (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	10/3/2020 1:25	10/3/2020 6:40	5:15:45	24.06	-58.97	177.99	-13.73	50.17	274.69	-132.88	11.12
2	10/3/2020 6:41	10/3/2020 11:08	4:27:20	-12.18	51.35	273.49	-13.59	-17.85	274.23	-132.94	11.06
3	10/3/2020 11:09	10/3/2020 14:07	2:58:11	-12.04	-16.68	273.05	-13.91	-63.58	397.62	-133.10	10.90
4	10/3/2020 14:08	10/3/2020 14:12	0:04:50	-11.90	-62.07	399.26	2.78	-51.55	407.68	-140.69	3.31
5	10/3/2020 14:14	10/3/2020 20:46	6:31:52	6.83	-48.67	408.86	44.24	-23.76	415.91	-134.43	9.57
6	10/3/2020 20:46	10/3/2020 22:18	1:32:19	43.24	-21.59	415.68	44.14	-47.11	416.68	-138.77	5.23
7	10/3/2020 22:19	10/3/2020 23:51	1:32:19	43.13	-44.94	416.45	43.99	-70.36	416.73	-138.86	5.14
8	10/3/2020 23:52	10/4/2020 1:24	1:32:19	42.98	-68.21	416.51	43.85	-93.62	416.70	-138.78	5.22
9	10/4/2020 1:24	10/4/2020 2:57	1:32:21	42.83	-91.48	416.48	43.71	-116.88	416.54	-138.53	5.47
10	10/4/2020 2:57	10/4/2020 6:21	3:23:59	42.68	-114.75	416.32	-9.66	-112.40	415.17	-138.43	5.57
11	10/4/2020 6:22	10/4/2020 14:37	8:15:00	-11.17	-111.28	415.56	-33.77	-97.77	426.61	-138.67	5.33
12	10/4/2020 14:37	10/4/2020 15:35	0:57:33	-32.47	-96.19	426.07	-0.40	99.54	415.95	-138.92	5.08
13	10/4/2020 15:35	10/4/2020 16:10	0:34:19	-1.93	100.61	416.20	-33.55	-121.10	426.73	-139.24	4.76
14	10/4/2020 16:10	10/4/2020 17:08	0:57:39	-32.24	-119.52	426.20	-0.96	76.34	415.88	-138.95	5.05
15	10/4/2020 17:09	10/4/2020 17:43	0:34:11	-3.00	77.78	416.24	-33.07	-144.10	426.74	-139.28	4.72
16	10/4/2020 17:43	10/4/2020 19:16	1:32:19	-31.76	-142.55	426.21	-33.03	-167.63	426.73	-138.94	5.06
17	10/4/2020 19:16	10/4/2020 20:48	1:32:26	-31.71	-166.08	426.20	-32.76	169.10	426.59	-138.93	5.07
18	10/4/2020 20:49	10/4/2020 21:51	1:02:30	-31.44	170.65	426.05	-16.52	17.02	419.48	-138.87	5.13
19	10/4/2020 21:52	10/4/2020 22:21	0:29:31	-18.00	18.21	419.97	-32.27	146.10	426.30	-139.54	4.46
20	10/4/2020 22:22	10/4/2020 23:54	1:32:19	-30.94	147.62	425.77	-32.22	122.57	426.22	-138.93	5.07
21	10/4/2020 23:55	10/5/2020 6:11	6:16:00	-30.89	124.09	425.69	-17.57	42.20	421.36	-138.74	5.26

Max. Exceedance: 11.12 dB

Table 5 Approach CLS LowRate (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	10/3/2020 1:25	10/3/2020 1:41	0:15:59	23.60	-58.55	178.01	-26.81	-19.08	221.42	-133.29	10.71
2	10/3/2020 1:55	10/3/2020 2:08	0:12:50	-51.73	48.05	280.42	-27.78	106.08	288.68	-139.30	4.70
3	10/3/2020 2:13	10/3/2020 3:09	0:56:26	-13.86	118.19	281.89	-24.28	-44.18	245.35	-134.37	9.63
4	10/3/2020 3:42	10/3/2020 4:38	0:55:40	-13.62	95.69	274.77	-21.97	-68.97	242.31	-134.48	9.52
5	10/3/2020 4:38	10/3/2020 4:38	0:00:21	-23.47	-67.63	244.13	-24.47	-66.71	245.35	-142.86	1.14
6	10/3/2020 5:11	10/3/2020 6:07	0:55:40	-13.42	73.13	274.56	-22.16	-91.52	242.33	-134.52	9.48
7	10/3/2020 6:07	10/3/2020 6:08	0:00:11	-23.66	-90.17	244.15	-24.16	-89.71	244.75	-143.03	0.97
8	10/3/2020 6:41	10/3/2020 7:36	0:55:29	-13.22	50.57	274.29	-21.86	-114.50	241.68	-134.55	9.45
9	10/3/2020 7:37	10/3/2020 7:37	0:00:09	-23.86	-112.71	244.09	-24.35	-112.25	244.69	-143.46	0.54
10	10/3/2020 8:10	10/3/2020 9:05	0:55:30	-13.00	28.02	273.98	-22.07	-137.03	241.65	-134.54	9.46
11	10/3/2020 9:06	10/3/2020 9:06	0:00:00	-24.06	-135.23	244.05	-24.06	-135.23	244.05	-143.88	0.12
12	10/3/2020 9:39	10/3/2020 10:35	0:55:31	-13.30	5.08	274.10	-21.78	-159.99	241.01	-134.53	9.47
13	10/3/2020 11:08	10/3/2020 12:04	0:55:30	-13.07	-17.46	273.84	-22.01	177.49	240.93	-134.48	9.52
14	10/3/2020 12:38	10/3/2020 13:32	0:54:29	-12.83	-39.98	273.51	-19.21	152.39	237.50	-134.36	9.64
15	10/3/2020 13:33	10/3/2020 13:33	0:00:20	-20.74	153.68	239.30	-21.75	154.56	240.53	-143.74	0.26
16	10/3/2020 14:09	10/3/2020 14:41	0:31:50	-6.36	-58.01	403.19	44.98	67.08	313.37	-138.87	5.13
17	10/3/2020 14:42	10/3/2020 14:42	0:00:09	42.95	71.58	307.10	42.59	72.29	306.07	-142.98	1.02
18	10/3/2020 14:52	10/3/2020 15:04	0:12:01	15.51	103.51	254.65	-22.36	131.96	246.37	-139.94	4.06
19	10/3/2020 15:05	10/3/2020 15:05	0:00:30	-24.36	133.77	248.00	-25.84	135.18	249.35	-142.73	1.27
20	10/3/2020 15:16	10/3/2020 15:16	0:00:30	-49.48	177.16	295.66	-50.05	179.99	298.46	-142.88	1.12
21	10/3/2020 15:17	10/3/2020 15:25	0:07:40	-50.70	-176.13	302.21	-47.48	-131.23	345.06	-140.42	3.58
22	10/3/2020 15:25	10/3/2020 15:26	0:00:20	-46.37	-127.92	348.55	-45.78	-126.32	350.28	-143.02	0.98
23	10/3/2020 16:03	10/3/2020 16:04	0:00:31	50.84	-6.81	366.89	51.20	-3.88	364.27	-142.89	1.11
24	10/3/2020 16:04	10/3/2020 16:12	0:08:00	51.47	-0.91	361.60	44.88	44.17	313.44	-140.55	3.45
25	10/3/2020 16:13	10/3/2020 16:14	0:00:21	42.84	48.65	307.17	42.12	50.08	305.09	-143.08	0.92
26	10/3/2020 16:23	10/3/2020 16:35	0:12:00	15.88	80.08	255.23	-22.00	108.50	245.99	-140.17	3.83
27	10/3/2020 16:36	10/3/2020 16:36	0:00:31	-24.50	110.77	248.00	-25.98	112.18	249.35	-142.92	1.08
28	10/3/2020 16:47	10/3/2020 16:47	0:00:29	-49.53	154.30	295.71	-50.10	157.14	298.50	-142.87	1.13
29	10/3/2020 16:48	10/3/2020 16:56	0:07:49	-50.73	161.02	302.26	-47.13	-153.28	346.00	-140.41	3.59
30	10/3/2020 16:56	10/3/2020 16:57	0:00:31	-46.28	-150.82	348.61	-45.38	-148.44	351.19	-143.05	0.95
31	10/3/2020 17:34	10/3/2020 17:35	0:00:29	50.88	-29.66	366.86	51.23	-26.73	364.24	-142.89	1.11
32	10/3/2020 17:35	10/3/2020 17:43	0:08:00	51.49	-23.75	361.56	44.79	21.26	313.32	-140.55	3.45
33	10/3/2020 17:44	10/3/2020 17:45	0:00:20	42.74	25.72	307.04	42.01	27.14	304.96	-143.05	0.95
34	10/3/2020 17:54	10/3/2020 18:06	0:11:50	15.22	57.48	254.47	-22.14	85.50	245.91	-140.41	3.59
35	10/3/2020 18:07	10/3/2020 18:07	0:00:31	-24.14	87.31	247.50	-25.63	88.71	248.82	-143.09	0.91
36	10/3/2020 18:18	10/3/2020 18:18	0:00:30	-49.59	131.44	295.70	-50.15	134.28	298.49	-142.87	1.13
37	10/3/2020 18:19	10/3/2020 18:27	0:07:51	-50.78	138.17	302.25	-47.05	-176.17	345.99	-140.43	3.57
38	10/3/2020 18:27	10/3/2020 18:28	0:00:21	-45.90	-172.92	349.47	-45.29	-171.35	351.19	-143.00	1.00
39	10/3/2020 19:05	10/3/2020 19:06	0:00:30	50.92	-52.51	366.84	51.26	-49.57	364.22	-142.88	1.12
40	10/3/2020 19:06	10/3/2020 19:14	0:07:59	51.51	-46.59	361.54	44.70	-1.65	313.23	-140.53	3.47
41	10/3/2020 19:15	10/3/2020 19:16	0:00:20	42.64	2.80	306.94	41.91	4.21	304.85	-143.02	0.98
42	10/3/2020 19:25	10/3/2020 19:37	0:11:50	15.07	34.46	254.35	-22.28	62.50	245.82	-140.52	3.48
43	10/3/2020 19:38	10/3/2020 19:38	0:00:30	-24.28	64.31	247.41	-25.77	65.72	248.73	-143.24	0.76
44	10/3/2020 19:49	10/3/2020 19:49	0:00:30	-49.65	108.58	295.55	-50.20	111.43	298.34	-142.86	1.14
45	10/3/2020 19:50	10/3/2020 19:58	0:07:51	-50.82	115.33	302.09	-46.97	160.95	345.80	-140.42	3.58
46	10/3/2020 19:58	10/3/2020 19:59	0:00:20	-45.81	164.19	349.28	-45.20	165.76	350.99	-142.95	1.05
47	10/3/2020 20:06	10/3/2020 20:07	0:00:11	-26.47	-166.85	384.90	-26.00	-166.39	385.50	-143.19	0.81
48	10/3/2020 20:30	10/3/2020 20:31	0:00:29	42.14	-104.47	416.13	43.19	-102.38	416.32	-142.91	1.09
49	10/3/2020 20:37	10/3/2020 20:44	0:06:20	51.60	-68.50	417.82	47.48	-32.39	416.67	-142.08	1.92
50	10/3/2020 21:24	10/3/2020 21:25	0:00:41	-51.76	103.47	431.46	-51.79	107.46	431.51	-143.18	0.82
51	10/3/2020 21:26	10/3/2020 21:28	0:01:50	-51.62	112.43	431.47	-50.47	123.07	431.09	-142.94	1.06
52	10/3/2020 21:28	10/3/2020 21:29	0:00:50	-49.79	126.78	430.84	-48.78	131.25	430.46	-142.83	1.17
53	10/3/2020 21:30	10/3/2020 21:30	0:00:11	-47.58	135.51	429.99	-47.32	136.34	429.89	-143.75	0.25
54	10/3/2020 22:07	10/3/2020 22:07	0:00:00	49.58	-107.06	418.09	49.58	-107.06	418.09	-143.28	0.72
55	10/3/2020 22:10	10/3/2020 22:16	0:06:20	51.62	-91.75	418.49	47.40	-55.70	417.43	-142.09	1.91
56	10/3/2020 22:57	10/3/2020 22:58	0:00:41	-51.77	80.19	430.84	-51.79	84.18	430.86	-143.17	0.83
57	10/3/2020 22:59	10/3/2020 23:01	0:01:59	-51.60	89.15	430.80	-50.26	100.72	430.30	-142.95	1.05
58	10/3/2020 23:01	10/3/2020 23:02	0:01:00	-49.74	103.48	430.10	-48.48	108.80	429.61	-142.83	1.17
59	10/3/2020 23:03	10/3/2020 23:03	0:00:11	-47.50	112.19	429.22	-47.24	113.02	429.11	-143.74	0.26
60	10/3/2020 23:43	10/3/2020 23:43	0:00:21	51.64	-114.89	418.57	51.73	-112.90	418.58	-143.58	0.42

Table 5 Approach CLS LowRate (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)
61	10/3/2020 23:44	10/3/2020 23:49	0:05:30	51.79	-109.90	418.59	47.28	-78.92	417.49	-142.07	1.93
62	10/4/2020 0:30	10/4/2020 0:31	0:00:39	-51.78	57.05	430.89	-51.78	61.04	430.90	-143.19	0.81
63	10/4/2020 0:31	10/4/2020 0:33	0:02:00	-51.58	66.00	430.83	-50.19	77.54	430.30	-142.95	1.05
64	10/4/2020 0:34	10/4/2020 0:35	0:01:01	-49.66	80.30	430.09	-48.38	85.60	429.59	-142.83	1.17
65	10/4/2020 0:36	10/4/2020 0:36	0:00:11	-47.39	88.97	429.19	-47.12	89.79	429.08	-143.71	0.29
66	10/4/2020 1:16	10/4/2020 1:22	0:06:20	51.66	-138.03	418.53	47.17	-102.13	417.45	-142.06	1.94
67	10/4/2020 2:03	10/4/2020 2:03	0:00:50	-51.76	32.90	431.01	-51.77	37.89	431.02	-143.19	0.81
68	10/4/2020 2:04	10/4/2020 2:06	0:02:01	-51.55	42.85	430.94	-50.12	54.36	430.38	-142.95	1.05
69	10/4/2020 2:07	10/4/2020 2:08	0:00:59	-49.57	57.11	430.16	-48.28	62.39	429.64	-142.83	1.17
70	10/4/2020 2:09	10/4/2020 2:09	0:00:09	-47.27	65.75	429.24	-47.01	66.57	429.13	-143.68	0.32
71	10/4/2020 2:48	10/4/2020 2:48	0:00:00	51.14	-168.07	418.23	51.14	-168.07	418.23	-144.00	0.00
72	10/4/2020 2:49	10/4/2020 2:55	0:06:19	51.68	-161.18	418.35	47.05	-125.35	417.28	-142.05	1.95
73	10/4/2020 3:36	10/4/2020 3:36	0:00:39	-51.77	9.76	431.01	-51.78	13.75	431.02	-143.19	0.81
74	10/4/2020 3:37	10/4/2020 3:39	0:01:49	-51.52	19.71	430.92	-50.21	30.27	430.41	-142.94	1.06
75	10/4/2020 3:40	10/4/2020 3:41	0:01:00	-49.49	33.93	430.12	-48.18	39.19	429.60	-142.84	1.16
76	10/4/2020 3:41	10/4/2020 3:42	0:00:10	-47.16	42.54	429.18	-46.89	43.35	429.07	-143.69	0.31
77	10/4/2020 4:20	10/4/2020 4:20	0:00:00	51.19	168.78	418.30	51.19	168.78	418.30	-143.96	0.04
78	10/4/2020 4:21	10/4/2020 4:28	0:06:20	51.70	175.68	418.41	46.93	-148.57	417.31	-142.07	1.93
79	10/4/2020 5:00	10/4/2020 5:12	0:11:21	-42.12	-54.15	427.08	-50.14	7.09	430.46	-142.87	1.13
80	10/4/2020 5:12	10/4/2020 5:14	0:01:01	-49.40	10.74	430.16	-48.06	15.98	429.61	-142.84	1.16
81	10/4/2020 5:14	10/4/2020 5:14	0:00:11	-47.03	19.30	429.19	-46.76	20.11	429.08	-143.70	0.30
82	10/4/2020 5:53	10/4/2020 5:53	0:00:00	51.24	145.63	417.81	51.24	145.63	417.81	-143.97	0.03
83	10/4/2020 5:54	10/4/2020 6:01	0:06:20	51.72	152.54	417.93	46.80	-171.79	416.83	-142.09	1.91
84	10/4/2020 6:41	10/4/2020 6:42	0:00:41	-51.79	-36.51	431.06	-51.76	-32.52	431.05	-143.18	0.82
85	10/4/2020 6:43	10/4/2020 6:45	0:01:50	-51.45	-26.58	430.93	-50.06	-16.07	430.37	-142.96	1.04
86	10/4/2020 6:45	10/4/2020 6:46	0:00:50	-49.31	-12.43	430.06	-48.20	-8.06	429.61	-142.84	1.16
87	10/4/2020 6:47	10/4/2020 6:47	0:00:09	-46.91	-3.90	429.08	-46.63	-3.10	428.96	-143.69	0.31
88	10/4/2020 7:27	10/4/2020 7:33	0:06:30	51.70	128.43	417.94	46.68	165.01	416.84	-142.12	1.88
89	10/4/2020 8:14	10/4/2020 8:15	0:00:39	-51.79	-59.62	430.97	-51.75	-55.63	430.95	-143.18	0.82
90	10/4/2020 8:16	10/4/2020 8:17	0:01:49	-51.42	-49.70	430.82	-49.98	-39.22	430.24	-142.94	1.06
91	10/4/2020 8:18	10/4/2020 8:19	0:00:50	-49.21	-35.60	429.93	-48.09	-31.24	429.47	-142.85	1.15
92	10/4/2020 8:20	10/4/2020 8:20	0:00:10	-46.79	-27.10	428.93	-46.51	-26.30	428.81	-143.67	0.33
93	10/4/2020 9:00	10/4/2020 9:06	0:06:29	51.72	105.32	417.95	46.55	141.81	416.83	-142.14	1.86
94	10/4/2020 9:47	10/4/2020 9:47	0:00:39	-51.80	-82.73	430.97	-51.74	-78.75	430.95	-143.18	0.82
95	10/4/2020 9:48	10/4/2020 9:50	0:01:51	-51.38	-72.82	430.80	-49.90	-62.37	430.20	-142.93	1.07
96	10/4/2020 9:51	10/4/2020 9:52	0:00:50	-49.12	-58.76	429.88	-47.97	-54.43	429.41	-142.85	1.15
97	10/4/2020 9:53	10/4/2020 9:53	0:00:11	-46.66	-50.30	428.87	-46.38	-49.51	428.75	-143.65	0.35
98	10/4/2020 10:33	10/4/2020 10:39	0:06:31	51.74	82.21	417.92	46.42	118.61	416.76	-142.12	1.88
99	10/4/2020 11:20	10/4/2020 11:20	0:00:50	-51.80	-106.84	430.91	-51.72	-101.86	430.88	-143.20	0.80
100	10/4/2020 11:21	10/4/2020 11:23	0:01:59	-51.42	-96.91	430.76	-49.82	-85.51	430.11	-142.92	1.08
101	10/4/2020 11:24	10/4/2020 11:25	0:00:50	-49.02	-81.92	429.79	-47.86	-77.60	429.31	-142.86	1.14
102	10/4/2020 11:26	10/4/2020 11:26	0:00:09	-46.53	-73.50	428.76	-46.24	-72.71	428.64	-143.64	0.36
103	10/4/2020 12:04	10/4/2020 12:04	0:00:00	51.32	52.17	417.85	51.32	52.17	417.85	-143.93	0.07
104	10/4/2020 12:05	10/4/2020 12:12	0:06:30	51.75	59.11	417.94	46.28	95.41	416.74	-142.10	1.90
105	10/4/2020 12:52	10/4/2020 12:53	0:00:50	-51.80	-129.94	430.84	-51.71	-124.96	430.80	-143.21	0.79
106	10/4/2020 12:54	10/4/2020 12:56	0:02:00	-51.38	-120.03	430.67	-49.73	-108.65	430.00	-142.94	1.06
107	10/4/2020 12:57	10/4/2020 12:58	0:00:50	-48.92	-105.07	429.66	-47.74	-100.78	429.18	-142.86	1.14
108	10/4/2020 12:58	10/4/2020 12:59	0:00:10	-46.39	-96.70	428.62	-46.11	-95.91	428.50	-143.64	0.36
109	10/4/2020 13:19	10/4/2020 13:29	0:09:30	11.30	-37.27	412.31	37.90	-10.96	415.06	-142.14	1.86
110	10/4/2020 13:37	10/4/2020 13:37	0:00:00	51.37	29.06	418.19	51.37	29.06	418.19	-143.96	0.04
111	10/4/2020 13:38	10/4/2020 13:45	0:06:29	51.77	36.01	418.35	46.14	72.21	417.62	-142.10	1.90
112	10/4/2020 14:01	10/4/2020 14:10	0:09:09	2.41	121.15	415.31	-25.04	142.28	422.75	-142.34	1.66
113	10/4/2020 14:25	10/4/2020 14:26	0:00:41	-51.80	-153.18	433.99	-51.73	-149.20	433.98	-143.27	0.73
114	10/4/2020 14:27	10/4/2020 14:29	0:01:51	-51.26	-142.31	433.81	-49.67	-131.94	433.19	-142.99	1.01
115	10/4/2020 14:29	10/4/2020 14:30	0:00:50	-48.85	-128.37	432.86	-47.66	-124.09	432.38	-142.92	1.08
116	10/4/2020 14:31	10/4/2020 14:31	0:00:11	-46.30	-120.03	431.83	-46.01	-119.24	431.71	-143.70	0.30
117	10/4/2020 15:11	10/4/2020 15:18	0:06:41	51.75	11.96	420.65	45.99	49.03	419.28	-142.16	1.84
118	10/4/2020 15:58	10/4/2020 15:59	0:00:39	-51.79	-176.26	434.14	-51.71	-172.28	434.12	-143.27	0.73
119	10/4/2020 16:00	10/4/2020 16:02	0:01:49	-51.30	-166.37	433.98	-49.76	-155.98	433.39	-143.01	0.99
120	10/4/2020 16:02	10/4/2020 16:03	0:00:50	-48.73	-151.52	432.99	-47.53	-147.26	432.51	-142.94	1.06

Table 5 Approach CLS LowRate (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)
121	10/4/2020 16:04	10/4/2020 16:04	0:00:10	-46.16	-143.22	431.96	-45.86	-142.44	431.84	-143.70	0.30
122	10/4/2020 16:44	10/4/2020 16:51	0:06:40	51.78	-10.52	420.63	45.66	26.30	419.13	-142.16	1.84
123	10/4/2020 17:31	10/4/2020 17:32	0:00:39	-51.79	160.25	434.27	-51.70	164.23	434.25	-143.28	0.72
124	10/4/2020 17:33	10/4/2020 17:35	0:01:49	-51.20	171.11	434.09	-49.55	-178.56	433.48	-143.00	1.00
125	10/4/2020 17:35	10/4/2020 17:36	0:00:50	-48.71	-175.02	433.16	-47.50	-170.76	432.68	-142.94	1.06
126	10/4/2020 17:37	10/4/2020 17:37	0:00:09	-46.13	-166.73	432.13	-45.83	-165.94	432.01	-143.78	0.22
127	10/4/2020 18:17	10/4/2020 18:24	0:06:40	51.78	-34.02	420.51	45.63	2.79	418.94	-142.19	1.81
128	10/4/2020 19:04	10/4/2020 19:05	0:00:50	-51.80	136.78	434.20	-51.65	141.75	434.18	-143.28	0.72
129	10/4/2020 19:06	10/4/2020 19:07	0:01:50	-51.19	147.63	434.03	-49.53	157.95	433.43	-143.02	0.98
130	10/4/2020 19:08	10/4/2020 19:09	0:01:01	-48.69	161.49	433.11	-47.21	166.56	432.53	-142.94	1.06
131	10/4/2020 19:10	10/4/2020 19:10	0:00:20	-46.09	169.77	432.09	-45.50	171.33	431.85	-143.74	0.26
132	10/4/2020 19:50	10/4/2020 19:56	0:06:49	51.77	-58.00	420.51	45.45	-20.33	418.90	-142.17	1.83
133	10/4/2020 20:37	10/4/2020 20:37	0:00:39	-51.79	113.79	434.16	-51.67	117.77	434.14	-143.28	0.72
134	10/4/2020 20:38	10/4/2020 20:40	0:01:49	-51.12	124.63	433.97	-49.41	134.91	433.34	-143.00	1.00
135	10/4/2020 20:41	10/4/2020 20:42	0:00:59	-48.55	138.43	433.01	-47.05	143.47	432.42	-142.94	1.06
136	10/4/2020 20:43	10/4/2020 20:43	0:00:09	-45.92	146.66	431.97	-45.62	147.44	431.85	-143.76	0.24
137	10/4/2020 21:23	10/4/2020 21:29	0:06:41	51.79	-80.47	420.49	45.42	-43.83	418.88	-142.18	1.82
138	10/4/2020 22:09	10/4/2020 22:10	0:00:50	-51.79	90.32	434.10	-51.62	95.29	434.06	-143.29	0.71
139	10/4/2020 22:11	10/4/2020 22:13	0:01:50	-51.11	101.16	433.89	-49.39	111.43	433.25	-143.02	0.98
140	10/4/2020 22:14	10/4/2020 22:15	0:01:00	-48.52	114.95	432.92	-47.02	119.98	432.33	-142.94	1.06
141	10/4/2020 22:16	10/4/2020 22:16	0:00:09	-45.59	123.94	431.75	-45.28	124.71	431.63	-143.69	0.31
142	10/4/2020 22:55	10/4/2020 23:02	0:06:50	51.79	-103.94	420.56	45.07	-66.56	418.88	-142.17	1.83
143	10/4/2020 23:42	10/4/2020 23:43	0:00:51	-51.79	66.84	434.11	-51.61	71.81	434.07	-143.26	0.74
144	10/4/2020 23:44	10/4/2020 23:46	0:01:51	-51.10	77.68	433.89	-49.36	87.94	433.24	-143.01	0.99
145	10/4/2020 23:47	10/4/2020 23:48	0:00:50	-48.26	92.31	432.81	-46.99	96.48	432.30	-142.95	1.05
146	10/4/2020 23:48	10/4/2020 23:49	0:00:10	-45.55	100.44	431.72	-45.25	101.20	431.59	-143.68	0.32
147	10/5/2020 0:28	10/5/2020 0:35	0:06:51	51.79	-127.41	420.54	45.03	-90.06	419.03	-142.17	1.83
148	10/5/2020 1:10	10/5/2020 1:20	0:10:31	-47.76	13.20	433.12	-47.24	72.14	433.04	-141.15	2.85
149	10/5/2020 1:21	10/5/2020 1:21	0:00:00	-45.23	77.67	432.22	-45.23	77.67	432.22	-143.03	0.97
150	10/5/2020 2:01	10/5/2020 2:08	0:06:50	51.79	-150.96	421.21	45.02	-113.62	419.60	-142.17	1.83
151	10/5/2020 2:48	10/5/2020 2:49	0:00:39	-51.77	20.77	434.80	-51.60	24.74	434.75	-143.31	0.69
152	10/5/2020 2:50	10/5/2020 2:52	0:01:50	-50.97	31.56	434.52	-49.14	41.74	433.82	-143.02	0.98
153	10/5/2020 2:52	10/5/2020 2:53	0:00:59	-48.24	45.23	433.46	-46.68	50.20	432.83	-142.96	1.04
154	10/5/2020 2:54	10/5/2020 2:54	0:00:11	-45.22	54.10	432.23	-44.91	54.86	432.10	-143.68	0.32
155	10/5/2020 3:34	10/5/2020 3:41	0:06:59	51.79	-174.52	421.16	44.70	-136.44	419.49	-142.16	1.84
156	10/5/2020 4:21	10/5/2020 4:22	0:00:50	-51.77	-2.79	434.87	-51.53	2.16	434.79	-143.32	0.68
157	10/5/2020 4:23	10/5/2020 4:25	0:01:49	-50.96	8.00	434.58	-49.13	18.18	433.87	-143.02	0.98
158	10/5/2020 4:25	10/5/2020 4:26	0:00:51	-47.99	22.51	433.42	-46.67	26.63	432.88	-142.97	1.03
159	10/5/2020 4:27	10/5/2020 4:27	0:00:09	-45.21	30.53	432.28	-44.90	31.29	432.15	-143.77	0.23
160	10/5/2020 5:07	10/5/2020 5:14	0:06:50	51.80	162.92	421.30	44.69	-160.01	419.64	-142.17	1.83
161	10/5/2020 5:54	10/5/2020 5:55	0:00:50	-51.76	-26.36	434.82	-51.53	-21.41	434.75	-143.31	0.69
162	10/5/2020 5:56	10/5/2020 5:58	0:02:00	-50.96	-15.57	434.54	-48.91	-4.51	433.73	-143.00	1.00
163	10/5/2020 5:58	10/5/2020 5:59	0:00:59	-47.98	-1.07	433.36	-46.39	3.85	432.71	-142.97	1.03
164	10/5/2020 6:00	10/5/2020 6:00	0:00:19	-45.20	6.96	432.22	-44.57	8.46	431.96	-143.68	0.32

Max. Exceedance: 10.71 dB

Table 6 Berthed 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	1/4/2021 20:31	1/4/2021 20:32	0:00:19	-21.96	-0.52	425.19	-21.00	0.32	424.87	-142.60	1.40
2	1/4/2021 20:34	1/4/2021 20:35	0:01:40	-15.10	5.13	423.08	-10.09	8.92	421.80	-141.74	2.26
3	1/4/2021 20:37	1/4/2021 20:38	0:00:50	-5.02	12.58	420.76	-2.48	14.38	420.33	-143.09	0.91
4	1/4/2021 20:40	1/4/2021 20:40	0:00:30	3.12	18.33	419.64	4.65	19.41	419.51	-142.74	1.26
5	1/4/2021 20:42	1/4/2021 20:43	0:00:19	11.23	24.18	419.24	12.24	24.93	419.24	-143.60	0.40
6	1/4/2021 20:43	1/4/2021 20:43	0:00:00	14.24	26.46	419.27	14.24	26.46	419.27	-143.92	0.08
7	1/4/2021 20:45	1/4/2021 20:46	0:00:21	20.65	31.64	419.63	21.62	32.48	419.71	-143.51	0.49
8	1/4/2021 20:49	1/4/2021 20:50	0:01:00	29.62	40.16	420.72	32.31	43.17	421.15	-143.33	0.67
9	1/4/2021 20:52	1/4/2021 20:52	0:00:29	37.80	50.40	422.17	38.99	52.22	422.40	-143.58	0.42
10	1/4/2021 20:54	1/4/2021 20:54	0:00:00	43.05	59.50	423.24	43.05	59.50	423.24	-143.85	0.15
11	1/4/2021 22:36	1/4/2021 22:36	0:00:00	51.38	86.19	424.88	51.38	86.19	424.88	-143.91	0.09
12	1/4/2021 22:39	1/4/2021 22:40	0:00:20	48.67	102.04	424.19	48.20	103.77	424.08	-143.94	0.06
13	1/4/2021 22:40	1/4/2021 22:40	0:00:09	47.45	106.29	423.89	47.18	107.12	423.83	-143.36	0.64
14	1/4/2021 22:41	1/4/2021 22:42	0:00:30	44.84	113.41	423.27	43.87	115.62	423.04	-143.79	0.21
15	1/5/2021 0:54	1/5/2021 0:55	0:00:31	-51.80	-139.10	436.39	-51.77	-136.11	436.39	-143.19	0.81
16	1/5/2021 0:55	1/5/2021 0:56	0:00:31	-51.53	-131.16	436.31	-51.28	-128.22	436.23	-140.71	3.29
17	1/5/2021 0:57	1/5/2021 0:57	0:00:09	-50.24	-120.60	435.85	-50.07	-119.68	435.78	-142.61	1.39
18	1/5/2021 0:59	1/5/2021 0:59	0:00:00	-47.72	-109.99	434.89	-47.72	-109.99	434.89	-143.90	0.10
19	1/5/2021 1:01	1/5/2021 1:01	0:00:20	-44.23	-100.58	433.52	-43.57	-99.13	433.26	-143.27	0.73
20	1/5/2021 1:04	1/5/2021 1:04	0:00:00	-38.03	-89.29	431.05	-38.03	-89.29	431.05	-143.97	0.03
21	1/5/2021 1:07	1/5/2021 1:09	0:01:51	-29.90	-79.01	427.88	-24.80	-73.90	426.03	-141.99	2.01
22	1/5/2021 1:10	1/5/2021 1:10	0:00:59	-23.37	-72.59	425.54	-20.48	-70.05	424.59	-142.96	1.04
23	1/5/2021 2:30	1/5/2021 2:30	0:00:09	-50.12	-143.57	435.84	-49.95	-142.65	435.78	-143.03	0.97
24	1/5/2021 2:32	1/5/2021 2:32	0:00:11	-47.79	-133.86	434.96	-47.54	-133.02	434.87	-143.81	0.19
25	1/5/2021 2:34	1/5/2021 2:34	0:00:20	-44.00	-123.68	433.48	-43.33	-122.25	433.22	-143.28	0.72
26	1/5/2021 2:40	1/5/2021 2:42	0:01:51	-29.58	-102.28	427.84	-24.47	-97.20	425.99	-142.26	1.74
27	1/5/2021 2:43	1/5/2021 2:43	0:00:50	-23.04	-95.90	425.51	-20.63	-93.79	424.71	-142.95	1.05
28	1/5/2021 2:45	1/5/2021 2:47	0:01:50	-14.73	-89.00	422.96	-9.21	-84.85	421.60	-142.08	1.92
29	1/5/2021 2:49	1/5/2021 2:50	0:00:59	-4.13	-81.21	420.62	-1.08	-79.05	420.15	-143.01	0.99
30	1/5/2021 2:51	1/5/2021 2:52	0:00:41	4.02	-75.46	419.60	6.05	-74.01	419.46	-142.81	1.19
31	1/5/2021 3:18	1/5/2021 3:18	0:00:00	48.42	32.14	424.30	48.42	32.14	424.30	-143.95	0.05
32	1/5/2021 3:19	1/5/2021 3:19	0:00:19	47.16	36.35	423.99	46.61	37.98	423.85	-143.32	0.68
33	1/5/2021 3:20	1/5/2021 3:21	0:00:30	44.50	43.39	423.34	43.51	45.57	423.10	-143.81	0.19
34	1/5/2021 3:27	1/5/2021 3:27	0:00:00	29.33	66.19	420.15	29.33	66.19	420.15	-142.48	1.52
35	1/5/2021 3:36	1/5/2021 3:36	0:00:30	2.28	88.31	418.96	0.76	89.39	419.12	-143.17	0.83
36	1/5/2021 3:39	1/5/2021 3:39	0:00:00	-6.37	94.43	420.23	-6.37	94.43	420.23	-143.97	0.03
37	1/5/2021 4:14	1/5/2021 4:15	0:01:20	-27.90	-124.13	427.42	-24.15	-120.51	426.09	-142.71	1.29
38	1/5/2021 4:15	1/5/2021 4:16	0:00:51	-22.72	-119.21	425.60	-20.30	-117.11	424.81	-142.89	1.11
39	1/5/2021 4:18	1/5/2021 4:20	0:01:49	-14.39	-112.34	423.07	-8.86	-108.21	421.71	-142.12	1.88
40	1/5/2021 4:22	1/5/2021 4:23	0:00:59	-3.79	-104.57	420.73	-0.73	-102.42	420.28	-143.10	0.90
41	1/5/2021 4:24	1/5/2021 4:25	0:00:50	4.36	-98.82	419.73	6.90	-97.01	419.56	-142.88	1.12
42	1/5/2021 5:00	1/5/2021 5:01	0:01:50	29.48	42.43	420.00	24.35	47.51	419.23	-142.43	1.57
43	1/5/2021 5:02	1/5/2021 5:03	0:01:31	22.91	48.82	419.05	18.54	52.57	418.63	-142.85	1.15
44	1/5/2021 5:05	1/5/2021 5:06	0:01:20	14.08	56.10	418.39	10.06	59.12	418.35	-142.74	1.26
45	1/5/2021 5:58	1/5/2021 5:58	0:00:09	6.74	-120.73	419.70	7.24	-120.37	419.67	-142.93	1.07
46	1/5/2021 6:06	1/5/2021 6:08	0:01:29	30.12	-100.93	421.02	34.09	-96.29	421.67	-143.06	0.94
47	1/5/2021 6:09	1/5/2021 6:10	0:00:41	37.44	-91.77	422.28	39.03	-89.35	422.58	-143.62	0.38
48	1/5/2021 6:12	1/5/2021 6:12	0:00:09	44.41	-79.17	423.66	44.74	-78.43	423.72	-143.88	0.12
49	1/5/2021 6:14	1/5/2021 6:14	0:00:00	46.82	-72.98	424.15	46.82	-72.98	424.15	-143.73	0.27
50	1/5/2021 6:33	1/5/2021 6:34	0:01:49	29.17	19.15	419.80	24.03	24.21	419.04	-142.49	1.51
51	1/5/2021 6:35	1/5/2021 6:36	0:01:31	22.59	25.51	418.87	18.21	29.23	418.46	-142.83	1.17
52	1/5/2021 6:38	1/5/2021 6:40	0:02:21	13.74	32.76	418.23	6.68	37.97	418.32	-142.47	1.53
53	1/5/2021 6:41	1/5/2021 6:42	0:01:00	3.12	40.51	418.57	0.06	42.66	418.90	-143.17	0.83
54	1/5/2021 6:45	1/5/2021 6:45	0:00:09	-6.56	47.35	419.99	-7.06	47.71	420.09	-143.86	0.14
55	1/5/2021 7:06	1/5/2021 7:06	0:00:19	-51.77	129.21	436.55	-51.71	131.19	436.55	-143.08	0.92
56	1/5/2021 7:07	1/5/2021 7:07	0:00:20	-51.40	136.12	436.46	-51.21	138.07	436.41	-142.97	1.03
57	1/5/2021 7:30	1/5/2021 7:31	0:00:50	5.05	-145.54	419.83	7.59	-143.72	419.67	-142.93	1.07
58	1/5/2021 7:39	1/5/2021 7:40	0:01:09	30.43	-124.20	421.09	33.53	-120.60	421.60	-143.15	0.85
59	1/5/2021 7:42	1/5/2021 7:43	0:00:50	37.31	-115.56	422.28	39.30	-112.53	422.66	-143.55	0.45
60	1/5/2021 7:45	1/5/2021 7:45	0:00:09	44.64	-102.27	423.73	44.95	-101.52	423.79	-143.91	0.09

Table 6 Berthed 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)
61	1/5/2021 8:13	1/5/2021 8:13	0:00:30	7.86	13.52	418.24	6.33	14.62	418.31	-142.76	1.24
62	1/5/2021 8:14	1/5/2021 8:15	0:01:00	2.77	17.15	418.58	-0.29	19.30	418.92	-143.15	0.85
63	1/5/2021 8:17	1/5/2021 8:18	0:00:10	-6.90	23.99	420.02	-7.41	24.36	420.12	-143.81	0.19
64	1/5/2021 9:12	1/5/2021 9:13	0:00:50	31.19	-146.96	421.19	33.39	-144.37	421.56	-143.50	0.50
65	1/5/2021 9:15	1/5/2021 9:16	0:00:50	37.59	-138.76	422.32	39.57	-135.70	422.70	-143.60	0.40
66	1/5/2021 9:18	1/5/2021 9:18	0:00:10	44.54	-126.11	423.70	44.86	-125.36	423.77	-143.97	0.03
67	1/5/2021 9:22	1/5/2021 9:26	0:03:30	50.83	-102.98	424.95	51.61	-82.22	424.97	-143.68	0.32
68	1/5/2021 9:27	1/5/2021 9:27	0:00:19	51.40	-79.26	424.90	51.21	-77.30	424.84	-143.66	0.34
69	1/5/2021 9:31	1/5/2021 9:31	0:00:31	46.69	-56.66	423.64	45.83	-54.28	423.42	-143.09	0.91
70	1/5/2021 9:32	1/5/2021 9:32	0:00:10	44.27	-50.50	423.03	43.94	-49.76	422.95	-143.81	0.19
71	1/5/2021 11:52	1/5/2021 11:52	0:00:20	-43.30	96.20	433.35	-42.61	97.60	433.08	-143.25	0.75
72	1/5/2021 11:55	1/5/2021 11:55	0:00:00	-36.90	107.12	430.82	-36.90	107.12	430.82	-143.95	0.05
73	1/5/2021 11:58	1/5/2021 12:01	0:03:11	-28.17	117.58	427.47	-19.12	125.86	424.40	-142.45	1.55
74	1/5/2021 12:35	1/5/2021 12:35	0:00:00	48.40	-109.39	424.12	48.40	-109.39	424.12	-143.99	0.01
75	1/5/2021 12:36	1/5/2021 12:37	0:00:30	46.59	-103.57	423.67	45.72	-101.20	423.45	-143.15	0.85
76	1/5/2021 12:38	1/5/2021 12:38	0:00:30	44.15	-97.43	423.07	43.14	-95.27	422.83	-143.82	0.18
77	1/5/2021 12:44	1/5/2021 12:47	0:03:00	28.37	-74.42	419.82	19.80	-66.50	418.76	-142.36	1.64
78	1/5/2021 13:31	1/5/2021 13:34	0:03:10	-27.85	94.29	427.37	-18.79	102.53	424.28	-142.33	1.67
79	1/5/2021 13:36	1/5/2021 13:38	0:01:49	-12.84	107.22	422.58	-7.29	111.31	421.29	-142.51	1.49
80	1/5/2021 13:40	1/5/2021 13:41	0:00:59	-2.21	114.92	420.38	0.85	117.07	419.96	-143.42	0.58
81	1/5/2021 13:43	1/5/2021 13:43	0:00:41	6.95	121.41	419.43	8.98	122.87	419.34	-142.69	1.31
82	1/5/2021 13:50	1/5/2021 13:50	0:00:00	28.95	139.80	420.60	28.95	139.80	420.60	-143.88	0.12
83	1/5/2021 13:51	1/5/2021 13:52	0:00:21	31.66	142.77	421.01	32.54	143.80	421.16	-143.50	0.50
84	1/5/2021 14:17	1/5/2021 14:21	0:03:50	28.05	-97.70	419.70	17.01	-87.81	418.52	-142.43	1.57
85	1/5/2021 14:23	1/5/2021 14:25	0:02:21	12.52	-84.33	418.37	5.44	-79.16	418.58	-142.05	1.95
86	1/5/2021 14:26	1/5/2021 14:27	0:01:00	1.88	-76.63	418.90	-1.18	-74.48	419.28	-143.44	0.56
87	1/5/2021 14:53	1/5/2021 14:53	0:00:00	-50.81	23.35	436.33	-50.81	23.35	436.33	-143.99	0.01
88	1/5/2021 14:54	1/5/2021 14:54	0:00:09	-49.48	30.76	435.85	-49.28	31.66	435.77	-143.30	0.70
89	1/5/2021 14:58	1/5/2021 14:58	0:00:21	-42.83	49.96	433.26	-42.13	51.34	432.98	-143.42	0.58
90	1/5/2021 15:01	1/5/2021 15:01	0:00:00	-36.34	60.71	430.66	-36.34	60.71	430.66	-143.98	0.02
91	1/5/2021 15:54	1/5/2021 15:54	0:00:11	17.16	-111.54	418.59	16.67	-111.15	418.57	-143.49	0.51
92	1/5/2021 15:56	1/5/2021 15:58	0:02:30	12.68	-108.05	418.44	5.10	-102.52	418.67	-141.84	2.16
93	1/5/2021 15:59	1/5/2021 16:00	0:01:00	1.53	-99.99	419.00	-1.53	-97.84	419.40	-143.52	0.48
94	1/5/2021 16:02	1/5/2021 16:03	0:00:11	-8.64	-92.77	420.71	-9.15	-92.40	420.83	-143.36	0.64
95	1/5/2021 16:25	1/5/2021 16:26	0:00:11	-50.84	-0.56	436.35	-50.71	0.39	436.30	-143.83	0.17
96	1/5/2021 16:27	1/5/2021 16:27	0:00:09	-49.35	7.77	435.80	-49.14	8.66	435.72	-143.53	0.47
97	1/5/2021 16:31	1/5/2021 16:31	0:00:30	-42.94	26.13	433.30	-41.88	28.19	432.88	-143.39	0.61
98	1/5/2021 16:33	1/5/2021 16:33	0:00:00	-36.47	36.92	430.71	-36.47	36.92	430.71	-143.97	0.03
99	1/5/2021 16:37	1/5/2021 16:40	0:03:20	-27.68	47.26	427.31	-18.11	55.88	424.07	-142.49	1.51
100	1/5/2021 17:08	1/5/2021 17:12	0:03:41	51.41	144.27	425.02	51.05	166.07	424.84	-143.71	0.29
101	1/5/2021 18:04	1/5/2021 18:04	0:00:20	-42.70	3.00	433.13	-42.00	4.37	432.85	-143.37	0.63
102	1/5/2021 18:06	1/5/2021 18:06	0:00:00	-36.19	13.70	430.52	-36.19	13.70	430.52	-143.93	0.07
103	1/5/2021 18:10	1/5/2021 18:13	0:03:11	-27.37	23.97	427.12	-18.27	32.14	424.04	-142.49	1.51
104	1/5/2021 18:15	1/5/2021 18:17	0:01:49	-11.81	37.18	422.24	-6.25	41.24	421.01	-142.48	1.52
105	1/5/2021 18:19	1/5/2021 18:20	0:01:00	-1.17	44.84	420.15	1.89	47.00	419.78	-143.49	0.51
106	1/5/2021 18:22	1/5/2021 18:22	0:00:50	7.99	51.34	419.32	10.52	53.19	419.25	-142.86	1.14
107	1/5/2021 18:36	1/5/2021 18:36	0:00:00	45.81	95.40	423.84	45.81	95.40	423.84	-143.97	0.03
108	1/5/2021 18:37	1/5/2021 18:37	0:00:09	47.74	101.07	424.25	47.99	101.91	424.31	-143.78	0.22
109	1/5/2021 18:40	1/5/2021 18:40	0:00:00	50.97	116.47	424.94	50.97	116.47	424.94	-143.92	0.08
110	1/5/2021 18:41	1/5/2021 18:43	0:02:19	51.54	122.32	425.05	51.60	136.27	425.01	-143.83	0.17
111	1/5/2021 19:05	1/5/2021 19:06	0:00:50	0.33	-146.36	419.26	-2.22	-144.56	419.61	-143.55	0.45
112	1/5/2021 19:08	1/5/2021 19:09	0:00:21	-8.82	-139.85	420.84	-9.83	-139.11	421.07	-143.36	0.64
113	1/5/2021 19:43	1/5/2021 19:46	0:03:11	-27.05	0.68	426.91	-17.94	8.81	423.86	-142.25	1.75
114	1/5/2021 19:48	1/5/2021 19:50	0:01:49	-11.47	13.83	422.08	-5.91	17.88	420.88	-142.31	1.69
115	1/5/2021 19:52	1/5/2021 19:52	0:00:59	-1.33	21.13	420.12	1.73	23.28	419.74	-143.51	0.49
116	1/5/2021 20:14	1/5/2021 20:17	0:03:29	51.59	99.40	425.04	50.88	120.17	424.81	-143.76	0.24
117	1/5/2021 20:20	1/5/2021 20:20	0:00:00	48.06	133.80	424.11	48.06	133.80	424.11	-143.99	0.01
118	1/5/2021 20:21	1/5/2021 20:22	0:00:39	46.18	139.54	423.65	44.97	142.63	423.36	-143.34	0.66
119	1/5/2021 21:28	1/5/2021 21:28	0:00:30	9.70	5.38	419.22	11.21	6.49	419.20	-142.89	1.11
120	1/5/2021 21:35	1/5/2021 21:35	0:00:20	29.14	21.98	420.61	30.05	22.95	420.75	-143.72	0.28

Table 6 Berthed 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)
121	1/5/2021 21:36	1/5/2021 21:36	0:00:11	33.16	26.52	421.27	33.60	27.05	421.34	-143.90	0.10
122	1/5/2021 21:38	1/5/2021 21:39	0:00:20	38.58	33.91	422.29	39.36	35.15	422.45	-143.64	0.36
123	1/5/2021 21:43	1/5/2021 21:43	0:00:11	47.83	54.17	424.24	48.08	55.01	424.30	-143.64	0.36
124	1/5/2021 21:49	1/5/2021 21:49	0:00:00	51.64	88.44	424.98	51.64	88.44	424.98	-143.96	0.04
125	1/5/2021 21:50	1/5/2021 21:50	0:00:50	51.44	91.40	424.92	50.92	96.27	424.79	-143.78	0.22
126	1/5/2021 21:54	1/5/2021 21:55	0:00:30	45.98	116.48	423.57	45.07	118.79	423.36	-143.38	0.62
127	1/5/2021 21:56	1/5/2021 21:56	0:00:29	43.45	122.47	422.98	42.41	124.58	422.74	-143.84	0.16
128	1/5/2021 22:35	1/5/2021 22:35	0:00:20	-51.72	-105.01	436.46	-51.62	-103.03	436.43	-143.32	0.68
129	1/5/2021 22:36	1/5/2021 22:36	0:00:00	-51.12	-97.16	436.25	-51.12	-97.16	436.25	-143.89	0.11
130	1/5/2021 22:37	1/5/2021 22:37	0:00:10	-50.61	-93.33	436.07	-50.46	-92.39	436.01	-143.95	0.05
131	1/5/2021 22:39	1/5/2021 22:39	0:00:00	-48.99	-85.11	435.46	-48.99	-85.11	435.46	-143.53	0.47
132	1/5/2021 23:16	1/5/2021 23:16	0:00:10	48.01	31.15	424.29	48.25	32.00	424.35	-143.48	0.52
133	1/5/2021 23:20	1/5/2021 23:21	0:01:10	51.67	53.55	425.05	51.79	60.54	425.05	-143.93	0.07
134	1/5/2021 23:23	1/5/2021 23:23	0:00:50	51.38	68.48	424.93	50.83	73.32	424.78	-143.76	0.24
135	1/5/2021 23:27	1/5/2021 23:28	0:00:29	45.78	93.41	423.54	44.86	95.71	423.33	-143.23	0.77
136	1/5/2021 23:29	1/5/2021 23:29	0:00:20	43.21	99.36	422.94	42.52	100.76	422.78	-143.83	0.17
137	1/5/2021 23:35	1/5/2021 23:37	0:02:10	26.61	122.12	419.72	20.39	127.77	418.99	-142.36	1.64
138	1/6/2021 0:08	1/6/2021 0:08	0:00:11	-51.69	-127.93	436.34	-51.64	-126.93	436.32	-143.56	0.44
139	1/6/2021 0:10	1/6/2021 0:10	0:00:00	-51.04	-120.09	436.11	-51.04	-120.09	436.11	-143.69	0.31
140	1/6/2021 0:10	1/6/2021 0:10	0:00:00	-50.51	-116.29	435.92	-50.51	-116.29	435.92	-143.94	0.06
141	1/6/2021 0:12	1/6/2021 0:12	0:00:09	-48.84	-108.11	435.29	-48.61	-107.24	435.20	-143.41	0.59
142	1/6/2021 0:16	1/6/2021 0:16	0:00:19	-42.09	-90.22	432.63	-41.37	-88.87	432.34	-143.48	0.52
143	1/6/2021 0:18	1/6/2021 0:18	0:00:00	-35.46	-79.73	429.99	-35.46	-79.73	429.99	-143.91	0.09
144	1/6/2021 0:22	1/6/2021 0:23	0:01:31	-26.55	-69.64	426.60	-22.29	-65.68	425.12	-142.72	1.28
145	1/6/2021 1:08	1/6/2021 1:12	0:03:50	26.28	98.83	419.73	15.13	108.45	418.69	-142.26	1.74
146	1/6/2021 1:13	1/6/2021 1:16	0:02:40	11.62	111.12	418.61	3.52	116.98	418.94	-141.11	2.89
147	1/6/2021 1:43	1/6/2021 1:43	0:00:00	-50.96	-143.04	436.08	-50.96	-143.04	436.08	-143.85	0.15
148	1/6/2021 1:44	1/6/2021 1:45	0:00:20	-48.90	-131.98	435.31	-48.45	-130.24	435.14	-143.46	0.54
149	1/6/2021 1:48	1/6/2021 1:49	0:00:31	-42.20	-114.03	432.68	-41.12	-112.02	432.25	-143.57	0.43
150	1/6/2021 1:51	1/6/2021 1:51	0:00:00	-35.17	-102.95	429.89	-35.17	-102.95	429.89	-143.89	0.11
151	1/6/2021 1:55	1/6/2021 1:58	0:03:11	-26.23	-92.93	426.52	-17.07	-84.91	423.53	-142.49	1.51
152	1/6/2021 1:59	1/6/2021 1:59	0:00:00	-13.09	-81.81	422.44	-13.09	-81.81	422.44	-143.92	0.08
153	1/6/2021 2:00	1/6/2021 2:02	0:01:40	-10.08	-79.56	421.71	-5.01	-75.90	420.68	-142.73	1.27
154	1/6/2021 2:03	1/6/2021 2:04	0:01:00	0.08	-72.30	419.92	3.14	-70.15	419.60	-143.34	0.66
155	1/6/2021 3:24	1/6/2021 3:24	0:00:11	-35.30	-126.73	430.12	-34.88	-126.18	429.96	-143.94	0.06
156	1/6/2021 3:28	1/6/2021 3:31	0:03:11	-25.91	-116.23	426.59	-16.73	-108.24	423.61	-142.42	1.58
157	1/6/2021 3:32	1/6/2021 3:32	0:00:00	-12.75	-105.16	422.53	-12.75	-105.16	422.53	-143.92	0.08
158	1/6/2021 3:33	1/6/2021 3:35	0:01:40	-9.73	-102.91	421.80	-4.67	-99.26	420.79	-142.75	1.25
159	1/6/2021 3:36	1/6/2021 3:38	0:01:01	0.42	-95.66	420.03	3.48	-93.51	419.72	-143.25	0.75
160	1/6/2021 4:06	1/6/2021 4:07	0:00:30	45.46	23.41	423.49	44.52	25.68	423.26	-143.34	0.66
161	1/6/2021 4:07	1/6/2021 4:08	0:00:20	42.85	29.29	422.86	42.14	30.67	422.70	-143.89	0.11
162	1/6/2021 4:09	1/6/2021 4:09	0:00:00	38.76	36.51	421.92	38.76	36.51	421.92	-143.99	0.01
163	1/6/2021 4:14	1/6/2021 4:18	0:03:40	26.11	51.78	419.55	15.44	60.99	418.52	-142.24	1.76
164	1/6/2021 5:01	1/6/2021 5:03	0:01:51	-25.59	-139.53	426.67	-20.32	-134.80	424.90	-142.59	1.41
165	1/6/2021 5:03	1/6/2021 5:04	0:00:50	-18.86	-133.58	424.44	-16.40	-131.58	423.71	-142.40	1.60
166	1/6/2021 5:05	1/6/2021 5:05	0:00:00	-12.41	-128.50	422.63	-12.41	-128.50	422.63	-143.98	0.02
167	1/6/2021 5:06	1/6/2021 5:08	0:01:40	-9.39	-126.27	421.91	-4.32	-122.62	420.90	-142.77	1.23
168	1/6/2021 5:09	1/6/2021 5:11	0:01:01	0.77	-119.03	420.15	3.83	-116.87	419.84	-143.15	0.85
169	1/6/2021 5:13	1/6/2021 5:14	0:00:59	10.42	-112.12	419.50	13.43	-109.86	419.49	-142.21	1.79
170	1/6/2021 5:14	1/6/2021 5:14	0:00:00	15.43	-108.32	419.54	15.43	-108.32	419.54	-143.54	0.46
171	1/6/2021 5:19	1/6/2021 5:19	0:00:00	27.96	-97.27	420.66	27.96	-97.27	420.66	-143.79	0.21
172	1/6/2021 5:20	1/6/2021 5:20	0:00:30	30.24	-94.86	421.00	31.59	-93.36	421.21	-143.49	0.51
173	1/6/2021 5:42	1/6/2021 5:42	0:00:09	38.89	12.70	421.78	38.50	13.32	421.70	-143.93	0.07
174	1/6/2021 5:47	1/6/2021 5:51	0:03:39	25.79	28.49	419.33	15.10	37.65	418.34	-142.23	1.77
175	1/6/2021 5:52	1/6/2021 5:53	0:00:59	10.59	41.06	418.26	7.56	43.28	418.33	-142.37	1.63
176	1/6/2021 5:54	1/6/2021 5:55	0:01:01	6.03	44.37	418.41	2.98	46.54	418.64	-141.96	2.04
177	1/6/2021 5:56	1/6/2021 5:57	0:00:50	-1.61	49.77	419.18	-4.15	51.57	419.59	-143.59	0.41
178	1/6/2021 6:56	1/6/2021 6:56	0:00:40	38.23	-108.27	422.44	39.79	-105.79	422.74	-143.67	0.33
179	1/6/2021 7:24	1/6/2021 7:24	0:00:00	14.76	14.31	418.28	14.76	14.31	418.28	-143.70	0.30
180	1/6/2021 7:25	1/6/2021 7:26	0:00:59	10.25	17.71	418.21	7.21	19.93	418.29	-142.39	1.61

Table 6 Berthed 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)
181	1/6/2021 7:27	1/6/2021 7:28	0:01:01	5.69	21.02	418.37	2.63	23.18	418.61	-142.23	1.77
182	1/6/2021 7:29	1/6/2021 7:30	0:00:50	-1.95	26.41	419.17	-4.50	28.22	419.59	-143.58	0.42
183	1/6/2021 7:32	1/6/2021 7:32	0:00:00	-12.09	33.73	421.23	-12.09	33.73	421.23	-143.96	0.04
184	1/6/2021 8:25	1/6/2021 8:25	0:00:10	28.13	-144.31	420.71	28.59	-143.83	420.78	-143.78	0.22
185	1/6/2021 8:26	1/6/2021 8:26	0:00:29	30.86	-141.39	421.12	32.20	-139.86	421.34	-143.50	0.50
186	1/6/2021 8:29	1/6/2021 8:29	0:00:40	38.50	-131.45	422.48	40.05	-128.95	422.79	-143.70	0.30
187	1/6/2021 8:40	1/6/2021 8:41	0:01:20	51.46	-74.03	424.93	50.54	-66.30	424.66	-143.16	0.84
188	1/6/2021 8:43	1/6/2021 8:43	0:00:09	47.69	-53.79	423.91	47.43	-52.95	423.85	-143.99	0.01
189	1/6/2021 9:26	1/6/2021 9:27	0:00:11	-51.34	95.49	436.29	-51.25	96.46	436.26	-143.43	0.57
190	1/6/2021 9:27	1/6/2021 9:28	0:00:10	-50.64	101.26	436.06	-50.49	102.20	436.01	-143.63	0.37
191	1/6/2021 9:29	1/6/2021 9:30	0:00:31	-48.81	110.37	435.40	-48.12	112.96	435.14	-143.36	0.64
192	1/6/2021 9:31	1/6/2021 9:31	0:00:10	-45.37	121.02	434.10	-45.06	121.78	433.98	-143.03	0.97
193	1/6/2021 9:33	1/6/2021 9:33	0:00:20	-41.33	129.58	432.53	-40.59	130.89	432.24	-143.52	0.48
194	1/6/2021 10:06	1/6/2021 10:06	0:00:00	47.96	-134.26	424.44	47.96	-134.26	424.44	-143.92	0.08
195	1/6/2021 10:13	1/6/2021 10:14	0:01:10	51.48	-97.94	425.00	50.73	-91.15	424.78	-143.09	0.91

Max. Exceedance: 3.29 dB

Table 7 Berthed GN 6Mbps (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	1/4/2021 20:31	1/4/2021 20:32	0:00:30	-21.96	-0.52	425.19	-20.51	0.74	424.71	-142.21	1.79
2	1/4/2021 20:34	1/4/2021 20:35	0:01:59	-15.60	4.74	423.22	-9.59	9.29	421.69	-141.35	2.65
3	1/4/2021 20:37	1/4/2021 20:38	0:01:20	-6.04	11.85	420.95	-1.97	14.74	420.26	-142.70	1.30
4	1/4/2021 20:40	1/4/2021 20:40	0:00:39	2.61	17.97	419.69	4.65	19.41	419.51	-142.35	1.65
5	1/4/2021 20:42	1/4/2021 20:43	0:00:50	9.72	23.06	419.26	12.24	24.93	419.24	-143.21	0.79
6	1/4/2021 20:43	1/4/2021 20:43	0:00:00	14.24	26.46	419.27	14.24	26.46	419.27	-143.53	0.47
7	1/4/2021 20:44	1/4/2021 20:45	0:00:39	16.73	28.40	419.36	18.70	30.00	419.48	-143.66	0.34
8	1/4/2021 20:45	1/4/2021 20:46	0:00:30	20.17	31.23	419.59	21.62	32.48	419.71	-143.12	0.88
9	1/4/2021 20:48	1/4/2021 20:50	0:01:20	29.16	39.67	420.65	32.75	43.69	421.23	-142.94	1.06
10	1/4/2021 20:51	1/4/2021 20:53	0:01:01	36.99	49.22	422.01	39.38	52.85	422.48	-143.19	0.81
11	1/4/2021 20:54	1/4/2021 20:54	0:00:21	42.70	58.79	423.17	43.39	60.21	423.31	-143.46	0.54
12	1/4/2021 20:59	1/4/2021 20:59	0:00:11	50.63	84.46	424.84	50.77	85.41	424.87	-143.79	0.21
13	1/4/2021 21:00	1/4/2021 21:04	0:03:41	51.24	89.27	424.96	51.25	111.08	424.87	-143.52	0.48
14	1/4/2021 21:05	1/4/2021 21:05	0:00:00	50.01	119.64	424.55	50.01	119.64	424.55	-143.90	0.10
15	1/4/2021 21:06	1/4/2021 21:09	0:03:20	49.25	123.27	424.36	43.77	139.46	423.04	-143.03	0.97
16	1/4/2021 21:10	1/4/2021 21:11	0:00:30	42.04	142.97	422.64	40.94	144.98	422.39	-143.74	0.26
17	1/4/2021 21:11	1/4/2021 21:11	0:00:11	39.81	146.92	422.14	39.43	147.55	422.06	-143.70	0.30
18	1/4/2021 21:12	1/4/2021 21:12	0:00:09	37.04	151.18	421.54	36.63	151.76	421.46	-143.98	0.02
19	1/4/2021 21:13	1/4/2021 21:16	0:03:20	34.53	154.57	421.03	25.50	164.46	419.52	-142.11	1.89
20	1/4/2021 21:17	1/4/2021 21:19	0:01:40	24.08	165.79	419.34	19.24	170.01	418.85	-142.48	1.52
21	1/4/2021 21:20	1/4/2021 21:22	0:02:10	15.29	173.19	418.61	8.76	178.10	418.58	-141.81	2.19
22	1/4/2021 21:23	1/4/2021 21:25	0:01:20	5.21	-179.34	418.75	1.14	-176.46	419.13	-142.57	1.43
23	1/4/2021 21:26	1/4/2021 21:27	0:00:21	-3.96	-172.87	419.86	-4.98	-172.15	420.04	-143.70	0.30
24	1/4/2021 21:48	1/4/2021 21:48	0:00:30	-51.79	-93.26	436.55	-51.79	-90.27	436.56	-142.97	1.03
25	1/4/2021 21:49	1/4/2021 21:50	0:00:41	-51.62	-85.31	436.52	-51.32	-81.38	436.41	-140.92	3.08
26	1/4/2021 21:51	1/4/2021 21:51	0:00:19	-50.45	-74.68	436.10	-50.13	-72.82	435.98	-142.70	1.30
27	1/4/2021 21:53	1/4/2021 21:53	0:00:11	-48.06	-63.94	435.20	-47.81	-63.10	435.10	-143.63	0.37
28	1/4/2021 21:55	1/4/2021 21:57	0:02:10	-45.90	-57.44	434.35	-41.61	-48.03	432.64	-142.92	1.08
29	1/4/2021 21:57	1/4/2021 21:59	0:01:11	-40.12	-45.41	432.05	-37.38	-41.12	430.95	-143.61	0.39
30	1/4/2021 21:59	1/4/2021 22:03	0:04:00	-35.73	-38.82	430.29	-24.98	-26.86	426.22	-141.62	2.38
31	1/4/2021 22:04	1/4/2021 22:05	0:01:11	-23.55	-25.54	425.73	-20.18	-22.59	424.61	-142.33	1.67
32	1/4/2021 22:07	1/4/2021 22:09	0:02:00	-15.26	-18.59	423.13	-9.24	-14.06	421.61	-141.48	2.52
33	1/4/2021 22:10	1/4/2021 22:11	0:01:20	-5.69	-11.50	420.88	-1.62	-8.62	420.20	-142.65	1.35
34	1/4/2021 22:13	1/4/2021 22:13	0:00:40	2.96	-5.39	419.65	5.00	-3.95	419.48	-142.28	1.72
35	1/4/2021 22:15	1/4/2021 22:16	0:00:50	10.07	-0.29	419.25	12.58	1.59	419.23	-143.26	0.74
36	1/4/2021 22:16	1/4/2021 22:16	0:00:00	14.58	3.11	419.27	14.58	3.11	419.27	-143.66	0.34
37	1/4/2021 22:17	1/4/2021 22:18	0:00:30	17.56	5.47	419.39	19.03	6.67	419.49	-143.74	0.26
38	1/4/2021 22:18	1/4/2021 22:19	0:00:30	20.50	7.90	419.60	21.95	9.16	419.73	-143.25	0.75
39	1/4/2021 22:21	1/4/2021 22:23	0:01:29	29.02	15.92	420.61	33.05	20.44	421.26	-142.87	1.13
40	1/4/2021 22:24	1/4/2021 22:25	0:00:50	37.27	26.01	422.04	39.26	29.04	422.44	-143.23	0.77
41	1/4/2021 22:27	1/4/2021 22:27	0:00:19	42.59	34.97	423.12	43.28	36.38	423.27	-143.60	0.40
42	1/4/2021 22:32	1/4/2021 22:36	0:04:29	50.59	60.56	424.81	51.28	87.17	424.86	-143.52	0.48
43	1/4/2021 22:37	1/4/2021 22:37	0:00:00	50.96	90.08	424.77	50.96	90.08	424.77	-143.87	0.13
44	1/4/2021 22:38	1/4/2021 22:38	0:00:00	49.89	96.66	424.50	49.89	96.66	424.50	-143.95	0.05
45	1/4/2021 22:39	1/4/2021 22:42	0:03:30	49.31	99.39	424.35	43.54	116.35	422.96	-142.97	1.03
46	1/4/2021 22:43	1/4/2021 22:44	0:01:10	41.79	119.83	422.56	39.16	124.37	421.98	-143.74	0.26
47	1/4/2021 22:45	1/4/2021 22:45	0:00:09	36.76	127.98	421.46	36.35	128.55	421.38	-143.95	0.05
48	1/4/2021 22:46	1/4/2021 22:49	0:03:20	34.24	131.34	420.96	25.18	141.17	419.47	-142.16	1.84
49	1/4/2021 22:50	1/4/2021 22:52	0:01:31	23.75	142.49	419.29	19.40	146.28	418.85	-142.47	1.53
50	1/4/2021 22:53	1/4/2021 22:55	0:02:19	15.45	149.47	418.61	8.41	154.75	418.58	-142.01	1.99
51	1/4/2021 22:56	1/4/2021 22:58	0:01:11	4.86	157.30	418.76	1.30	159.82	419.09	-142.65	1.35
52	1/4/2021 22:59	1/4/2021 23:00	0:00:30	-4.31	163.77	419.90	-5.83	164.86	420.18	-143.71	0.29
53	1/4/2021 23:21	1/4/2021 23:21	0:00:30	-51.80	-116.18	436.48	-51.78	-113.19	436.48	-142.95	1.05
54	1/4/2021 23:22	1/4/2021 23:23	0:00:31	-51.58	-108.23	436.42	-51.35	-105.29	436.35	-141.05	2.95
55	1/4/2021 23:23	1/4/2021 23:23	0:00:00	-50.92	-101.42	436.19	-50.92	-101.42	436.19	-143.92	0.08
56	1/4/2021 23:24	1/4/2021 23:25	0:00:20	-50.35	-97.64	435.99	-50.02	-95.79	435.86	-142.32	1.68
57	1/4/2021 23:25	1/4/2021 23:25	0:00:00	-49.46	-93.06	435.65	-49.46	-93.06	435.65	-143.99	0.01
58	1/4/2021 23:26	1/4/2021 23:26	0:00:10	-47.89	-86.97	435.05	-47.64	-86.13	434.96	-143.58	0.42
59	1/4/2021 23:27	1/4/2021 23:30	0:02:21	-45.99	-81.28	434.31	-41.36	-71.17	432.47	-143.02	0.98
60	1/4/2021 23:30	1/4/2021 23:31	0:01:10	-39.86	-68.58	431.87	-37.10	-64.32	430.77	-143.59	0.41

Table 7 Berthed GN 6Mbps (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)
61	1/4/2021 23:32	1/4/2021 23:36	0:04:10	-35.86	-62.60	430.28	-24.65	-50.16	426.05	-141.39	2.61
62	1/4/2021 23:37	1/4/2021 23:38	0:01:01	-23.23	-48.85	425.55	-20.33	-46.32	424.60	-142.47	1.53
63	1/4/2021 23:39	1/4/2021 23:42	0:02:10	-15.41	-42.32	423.12	-8.89	-37.41	421.48	-141.60	2.40
64	1/4/2021 23:43	1/4/2021 23:44	0:01:20	-5.34	-34.86	420.77	-1.27	-31.98	420.11	-142.64	1.36
65	1/4/2021 23:45	1/4/2021 23:46	0:00:41	3.31	-28.75	419.58	5.35	-27.30	419.42	-142.33	1.67
66	1/4/2021 23:48	1/4/2021 23:49	0:01:01	10.41	-23.64	419.21	13.43	-21.38	419.22	-143.32	0.68
67	1/4/2021 23:50	1/4/2021 23:51	0:00:31	17.90	-17.86	419.40	19.37	-16.65	419.50	-143.75	0.25
68	1/4/2021 23:52	1/4/2021 23:52	0:00:00	21.80	-14.58	419.70	21.80	-14.58	419.70	-143.66	0.34
69	1/4/2021 23:54	1/4/2021 23:56	0:01:20	29.34	-7.36	420.65	32.91	-3.32	421.24	-142.81	1.19
70	1/4/2021 23:57	1/4/2021 23:58	0:00:41	37.55	2.82	422.11	39.14	5.25	422.43	-143.23	0.77
71	1/5/2021 0:00	1/5/2021 0:00	0:00:09	42.83	11.85	423.19	43.18	12.55	423.27	-143.73	0.27
72	1/5/2021 0:00	1/5/2021 0:01	0:00:11	44.18	14.71	423.48	44.51	15.45	423.55	-143.83	0.17
73	1/5/2021 0:05	1/5/2021 0:10	0:04:30	50.69	37.60	424.87	51.22	64.24	424.88	-143.51	0.49
74	1/5/2021 0:10	1/5/2021 0:10	0:00:00	50.87	67.13	424.79	50.87	67.13	424.79	-143.97	0.03
75	1/5/2021 0:11	1/5/2021 0:15	0:03:41	49.38	75.50	424.41	43.30	93.23	422.95	-142.77	1.23
76	1/5/2021 0:16	1/5/2021 0:16	0:00:20	41.54	96.69	422.54	40.81	98.01	422.38	-143.76	0.24
77	1/5/2021 0:17	1/5/2021 0:17	0:00:20	39.67	99.94	422.12	38.89	101.19	421.95	-143.72	0.28
78	1/5/2021 0:18	1/5/2021 0:18	0:00:00	36.47	104.77	421.44	36.47	104.77	421.44	-143.96	0.04
79	1/5/2021 0:19	1/5/2021 0:22	0:03:29	34.37	107.57	421.02	24.85	117.87	419.46	-142.07	1.93
80	1/5/2021 0:23	1/5/2021 0:25	0:01:31	23.42	119.18	419.28	19.06	122.96	418.86	-142.49	1.51
81	1/5/2021 0:26	1/5/2021 0:28	0:02:21	15.10	126.13	418.63	8.07	131.40	418.62	-142.03	1.97
82	1/5/2021 0:29	1/5/2021 0:30	0:01:10	4.51	133.94	418.82	0.95	136.46	419.15	-142.74	1.26
83	1/5/2021 0:32	1/5/2021 0:33	0:00:30	-4.66	140.42	419.97	-6.18	141.50	420.25	-143.71	0.29
84	1/5/2021 0:54	1/5/2021 0:55	0:00:40	-51.79	-140.09	436.38	-51.77	-136.11	436.39	-142.79	1.21
85	1/5/2021 0:55	1/5/2021 0:56	0:00:31	-51.53	-131.16	436.31	-51.28	-128.22	436.23	-140.32	3.68
86	1/5/2021 0:56	1/5/2021 0:57	0:00:11	-50.83	-124.37	436.06	-50.69	-123.42	436.01	-143.66	0.34
87	1/5/2021 0:57	1/5/2021 0:57	0:00:09	-50.24	-120.60	435.85	-50.07	-119.68	435.78	-142.22	1.78
88	1/5/2021 0:59	1/5/2021 0:59	0:00:21	-47.97	-110.83	434.99	-47.46	-109.16	434.79	-143.51	0.49
89	1/5/2021 1:00	1/5/2021 1:02	0:02:10	-45.78	-104.35	434.14	-41.47	-94.98	432.42	-142.88	1.12
90	1/5/2021 1:03	1/5/2021 1:04	0:01:10	-39.98	-92.38	431.83	-37.22	-88.10	430.73	-143.58	0.42
91	1/5/2021 1:05	1/5/2021 1:09	0:04:01	-35.57	-85.81	430.08	-24.80	-73.90	426.03	-141.60	2.40
92	1/5/2021 1:10	1/5/2021 1:11	0:01:10	-23.37	-72.59	425.54	-19.99	-69.64	424.43	-142.57	1.43
93	1/5/2021 1:12	1/5/2021 1:15	0:02:10	-15.07	-65.65	422.97	-8.54	-60.76	421.37	-141.65	2.35
94	1/5/2021 1:16	1/5/2021 1:17	0:01:21	-4.99	-58.21	420.67	-0.92	-55.33	420.03	-142.59	1.41
95	1/5/2021 1:18	1/5/2021 1:19	0:00:41	3.67	-52.10	419.53	5.70	-50.66	419.38	-142.37	1.63
96	1/5/2021 1:21	1/5/2021 1:22	0:01:00	10.76	-46.98	419.20	13.77	-44.72	419.23	-143.40	0.60
97	1/5/2021 1:24	1/5/2021 1:24	0:00:20	18.73	-40.79	419.46	19.71	-39.97	419.54	-143.78	0.22
98	1/5/2021 1:27	1/5/2021 1:29	0:01:30	29.20	-31.11	420.67	33.21	-26.56	421.35	-142.75	1.25
99	1/5/2021 1:30	1/5/2021 1:31	0:00:50	37.43	-20.97	422.15	39.41	-17.93	422.55	-143.36	0.64
100	1/5/2021 1:33	1/5/2021 1:33	0:00:00	43.07	-11.27	423.33	43.07	-11.27	423.33	-143.77	0.23
101	1/5/2021 1:33	1/5/2021 1:34	0:00:21	44.08	-9.12	423.54	44.73	-7.64	423.68	-143.60	0.40
102	1/5/2021 1:35	1/5/2021 1:35	0:00:00	46.81	-2.19	424.14	46.81	-2.19	424.14	-143.87	0.13
103	1/5/2021 1:38	1/5/2021 1:42	0:04:29	50.64	13.71	424.96	51.25	40.33	424.99	-143.44	0.56
104	1/5/2021 1:44	1/5/2021 1:48	0:03:40	49.44	51.62	424.53	43.41	69.41	423.06	-142.93	1.07
105	1/5/2021 1:49	1/5/2021 1:49	0:00:30	41.65	72.88	422.66	40.55	74.86	422.40	-143.75	0.25
106	1/5/2021 1:50	1/5/2021 1:50	0:00:20	39.40	76.77	422.15	38.62	78.01	421.98	-143.71	0.29
107	1/5/2021 1:51	1/5/2021 1:51	0:00:00	36.19	81.56	421.46	36.19	81.56	421.46	-143.97	0.03
108	1/5/2021 1:52	1/5/2021 1:58	0:05:30	34.07	84.34	421.03	18.72	99.63	418.87	-141.98	2.02
109	1/5/2021 1:59	1/5/2021 2:01	0:02:21	14.76	102.79	418.65	7.72	108.05	418.65	-142.10	1.90
110	1/5/2021 2:02	1/5/2021 2:03	0:01:10	4.16	110.59	418.86	0.59	113.11	419.21	-142.77	1.23
111	1/5/2021 2:05	1/5/2021 2:06	0:00:31	-5.01	117.06	420.05	-6.53	118.15	420.33	-143.67	0.33
112	1/5/2021 2:26	1/5/2021 2:28	0:01:01	-51.77	-165.00	436.39	-51.75	-159.03	436.41	-142.88	1.12
113	1/5/2021 2:28	1/5/2021 2:29	0:00:41	-51.55	-155.07	436.35	-51.21	-151.16	436.24	-140.79	3.21
114	1/5/2021 2:29	1/5/2021 2:29	0:00:00	-50.73	-147.32	436.07	-50.73	-147.32	436.07	-143.48	0.52
115	1/5/2021 2:30	1/5/2021 2:30	0:00:19	-50.29	-144.50	435.90	-49.95	-142.65	435.78	-142.63	1.37
116	1/5/2021 2:32	1/5/2021 2:32	0:00:11	-47.79	-133.86	434.96	-47.54	-133.02	434.87	-143.42	0.58
117	1/5/2021 2:33	1/5/2021 2:35	0:02:10	-45.58	-127.42	434.10	-41.21	-118.13	432.38	-142.89	1.11
118	1/5/2021 2:36	1/5/2021 2:37	0:01:11	-39.72	-115.55	431.78	-36.94	-111.31	430.68	-143.62	0.38
119	1/5/2021 2:38	1/5/2021 2:42	0:04:01	-35.28	-109.03	430.02	-24.47	-97.20	425.99	-141.87	2.13
120	1/5/2021 2:43	1/5/2021 2:44	0:01:10	-23.04	-95.90	425.51	-19.66	-92.96	424.41	-142.56	1.44

Table 7 Berthed GN 6Mbps (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)
121	1/5/2021 2:45	1/5/2021 2:47	0:01:59	-14.73	-89.00	422.96	-8.70	-84.48	421.49	-141.69	2.31
122	1/5/2021 2:48	1/5/2021 2:50	0:01:31	-5.15	-81.93	420.79	-0.57	-78.69	420.09	-142.62	1.38
123	1/5/2021 2:51	1/5/2021 2:52	0:00:59	3.51	-75.82	419.64	6.56	-73.65	419.43	-142.42	1.58
124	1/5/2021 2:54	1/5/2021 2:55	0:00:51	11.61	-69.96	419.30	14.12	-68.06	419.33	-143.51	0.49
125	1/5/2021 2:57	1/5/2021 2:57	0:00:20	19.07	-64.11	419.58	20.04	-63.30	419.65	-143.79	0.21
126	1/5/2021 3:00	1/5/2021 3:02	0:01:40	29.51	-54.38	420.81	33.94	-49.27	421.56	-142.71	1.29
127	1/5/2021 3:03	1/5/2021 3:04	0:00:50	37.30	-44.76	422.20	39.29	-41.73	422.61	-143.44	0.56
128	1/5/2021 3:06	1/5/2021 3:06	0:00:10	42.96	-35.10	423.38	43.30	-34.39	423.45	-143.86	0.14
129	1/5/2021 3:06	1/5/2021 3:06	0:00:10	44.30	-32.22	423.67	44.62	-31.48	423.74	-143.48	0.52
130	1/5/2021 3:08	1/5/2021 3:08	0:00:00	46.72	-26.05	424.19	46.72	-26.05	424.19	-143.18	0.82
131	1/5/2021 3:11	1/5/2021 3:15	0:04:29	50.73	-9.25	425.04	51.17	17.39	425.02	-143.32	0.68
132	1/5/2021 3:16	1/5/2021 3:16	0:00:00	50.82	20.28	424.92	50.82	20.28	424.92	-143.87	0.13
133	1/5/2021 3:17	1/5/2021 3:21	0:03:40	49.30	28.63	424.53	43.17	46.29	423.02	-142.93	1.07
134	1/5/2021 3:22	1/5/2021 3:22	0:00:30	41.40	49.73	422.61	40.29	51.69	422.35	-143.71	0.29
135	1/5/2021 3:23	1/5/2021 3:23	0:00:09	39.14	53.59	422.09	38.74	54.21	422.00	-143.70	0.30
136	1/5/2021 3:24	1/5/2021 3:24	0:00:09	36.32	57.77	421.48	35.90	58.34	421.39	-143.98	0.02
137	1/5/2021 3:25	1/5/2021 3:28	0:03:21	33.78	61.10	420.96	24.67	70.82	419.45	-141.98	2.02
138	1/5/2021 3:29	1/5/2021 3:30	0:01:40	23.24	72.13	419.27	18.38	76.30	418.79	-142.52	1.48
139	1/5/2021 3:32	1/5/2021 3:34	0:02:21	14.42	79.45	418.57	7.37	84.69	418.60	-142.20	1.80
140	1/5/2021 3:35	1/5/2021 3:36	0:01:10	3.81	87.23	418.82	0.25	89.74	419.18	-142.78	1.22
141	1/5/2021 3:38	1/5/2021 3:39	0:00:31	-5.36	93.70	420.04	-6.88	94.79	420.33	-143.58	0.42
142	1/5/2021 3:57	1/5/2021 3:57	0:00:00	-50.79	159.34	436.07	-50.79	159.34	436.07	-143.94	0.06
143	1/5/2021 3:59	1/5/2021 4:00	0:00:50	-51.78	172.07	436.53	-51.75	177.05	436.55	-142.69	1.31
144	1/5/2021 4:01	1/5/2021 4:02	0:00:30	-51.50	-178.01	436.48	-51.24	-175.07	436.40	-141.45	2.55
145	1/5/2021 4:02	1/5/2021 4:02	0:00:00	-50.64	-170.28	436.19	-50.64	-170.28	436.19	-143.10	0.90
146	1/5/2021 4:03	1/5/2021 4:03	0:00:19	-50.17	-167.47	436.02	-49.82	-165.63	435.89	-142.53	1.47
147	1/5/2021 4:05	1/5/2021 4:05	0:00:20	-47.87	-157.73	435.17	-47.36	-156.07	434.97	-143.34	0.66
148	1/5/2021 4:06	1/5/2021 4:09	0:02:21	-45.67	-151.28	434.32	-40.96	-141.29	432.47	-142.98	1.02
149	1/5/2021 4:09	1/5/2021 4:10	0:01:11	-39.45	-138.73	431.87	-36.66	-134.52	430.77	-143.61	0.39
150	1/5/2021 4:11	1/5/2021 4:15	0:04:01	-35.00	-132.26	430.12	-24.15	-120.51	426.09	-141.97	2.03
151	1/5/2021 4:15	1/5/2021 4:16	0:01:00	-22.72	-119.21	425.60	-19.81	-116.70	424.66	-142.50	1.50
152	1/5/2021 4:18	1/5/2021 4:20	0:01:59	-14.39	-112.34	423.07	-8.36	-107.84	421.60	-141.73	2.27
153	1/5/2021 4:21	1/5/2021 4:23	0:01:31	-4.81	-105.29	420.91	-0.22	-102.06	420.21	-142.71	1.29
154	1/5/2021 4:24	1/5/2021 4:25	0:00:59	3.85	-99.18	419.77	6.90	-97.01	419.56	-142.49	1.51
155	1/5/2021 4:27	1/5/2021 4:28	0:00:50	11.95	-93.31	419.43	14.45	-91.40	419.47	-143.62	0.38
156	1/5/2021 4:30	1/5/2021 4:30	0:00:11	19.89	-87.04	419.75	20.37	-86.62	419.79	-143.75	0.25
157	1/5/2021 4:32	1/5/2021 4:32	0:00:11	27.05	-80.51	420.51	27.52	-80.05	420.57	-143.94	0.06
158	1/5/2021 4:33	1/5/2021 4:35	0:01:40	29.81	-77.66	420.91	34.23	-72.51	421.65	-142.68	1.32
159	1/5/2021 4:36	1/5/2021 4:37	0:00:50	37.16	-68.56	422.19	39.16	-65.54	422.58	-143.42	0.58
160	1/5/2021 4:39	1/5/2021 4:40	0:00:50	43.19	-58.23	423.40	44.84	-54.58	423.75	-143.47	0.53
161	1/5/2021 4:41	1/5/2021 4:41	0:00:09	46.63	-49.91	424.12	46.91	-49.11	424.18	-143.62	0.38
162	1/5/2021 4:44	1/5/2021 4:48	0:04:40	50.69	-33.16	424.95	51.10	-5.56	424.87	-143.28	0.72
163	1/5/2021 4:50	1/5/2021 4:54	0:03:50	49.36	4.73	424.40	42.94	23.16	422.80	-142.78	1.22
164	1/5/2021 4:55	1/5/2021 4:55	0:00:30	41.52	25.90	422.47	40.41	27.88	422.21	-143.72	0.28
165	1/5/2021 4:56	1/5/2021 4:56	0:00:19	39.26	29.78	421.95	38.48	31.02	421.77	-143.73	0.27
166	1/5/2021 4:57	1/5/2021 4:57	0:00:09	36.04	34.55	421.25	35.62	35.12	421.16	-143.95	0.05
167	1/5/2021 4:58	1/5/2021 5:01	0:03:21	33.48	37.86	420.73	24.35	47.51	419.23	-142.03	1.97
168	1/5/2021 5:02	1/5/2021 5:03	0:01:40	22.91	48.82	419.05	18.05	52.97	418.59	-142.46	1.54
169	1/5/2021 5:05	1/5/2021 5:07	0:02:30	14.58	55.72	418.40	7.02	61.33	418.44	-142.24	1.76
170	1/5/2021 5:08	1/5/2021 5:09	0:01:10	3.47	63.87	418.68	-0.10	66.38	419.06	-142.78	1.22
171	1/5/2021 5:11	1/5/2021 5:12	0:00:30	-5.70	70.34	419.95	-7.22	71.44	420.25	-143.52	0.48
172	1/5/2021 5:30	1/5/2021 5:30	0:00:00	-50.88	136.39	436.16	-50.88	136.39	436.16	-143.91	0.09
173	1/5/2021 5:32	1/5/2021 5:33	0:00:59	-51.77	148.15	436.60	-51.73	154.12	436.63	-142.66	1.34
174	1/5/2021 5:34	1/5/2021 5:35	0:00:30	-51.45	159.06	436.56	-51.17	161.98	436.47	-142.05	1.95
175	1/5/2021 5:35	1/5/2021 5:35	0:00:00	-50.54	166.76	436.26	-50.54	166.76	436.26	-143.76	0.24
176	1/5/2021 5:36	1/5/2021 5:36	0:00:09	-50.06	169.55	436.09	-49.88	170.47	436.03	-142.81	1.19
177	1/5/2021 5:38	1/5/2021 5:38	0:00:20	-47.70	179.23	435.23	-47.18	-179.11	435.03	-143.31	0.69
178	1/5/2021 5:39	1/5/2021 5:41	0:02:10	-45.47	-174.36	434.38	-41.08	-165.11	432.67	-142.94	1.06
179	1/5/2021 5:42	1/5/2021 5:43	0:01:20	-39.58	-162.53	432.08	-36.38	-157.74	430.82	-143.59	0.41
180	1/5/2021 5:44	1/5/2021 5:48	0:04:11	-35.13	-156.05	430.33	-23.83	-143.82	426.14	-141.92	2.08

Table 7 Berthed GN 6Mbps (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)
181	1/5/2021 5:48	1/5/2021 5:49	0:01:00	-22.39	-142.53	425.66	-19.48	-140.03	424.72	-142.32	1.68
182	1/5/2021 5:51	1/5/2021 5:53	0:02:10	-14.55	-136.07	423.27	-8.01	-131.20	421.69	-141.75	2.25
183	1/5/2021 5:54	1/5/2021 5:56	0:01:31	-4.46	-128.65	421.00	0.12	-125.42	420.31	-142.80	1.20
184	1/5/2021 5:57	1/5/2021 5:58	0:00:59	4.19	-122.54	419.88	7.24	-120.37	419.67	-142.54	1.46
185	1/5/2021 6:00	1/5/2021 6:01	0:01:01	12.29	-116.66	419.55	15.29	-114.36	419.59	-143.73	0.27
186	1/5/2021 6:02	1/5/2021 6:02	0:00:00	17.76	-112.39	419.70	17.76	-112.39	419.70	-143.74	0.26
187	1/5/2021 6:03	1/5/2021 6:03	0:00:11	20.22	-110.36	419.86	20.70	-109.95	419.90	-143.65	0.35
188	1/5/2021 6:05	1/5/2021 6:05	0:00:11	27.37	-103.81	420.62	27.83	-103.34	420.69	-143.82	0.18
189	1/5/2021 6:06	1/5/2021 6:08	0:01:40	29.67	-101.42	420.95	34.09	-96.29	421.67	-142.67	1.33
190	1/5/2021 6:09	1/5/2021 6:10	0:00:59	37.03	-92.36	422.20	39.42	-88.72	422.66	-143.23	0.77
191	1/5/2021 6:12	1/5/2021 6:13	0:00:50	43.42	-81.36	423.45	45.05	-77.68	423.79	-143.49	0.51
192	1/5/2021 6:14	1/5/2021 6:14	0:00:00	46.82	-72.98	424.15	46.82	-72.98	424.15	-143.34	0.66
193	1/5/2021 6:16	1/5/2021 6:21	0:04:40	50.64	-57.08	424.89	51.14	-29.48	424.80	-143.22	0.78
194	1/5/2021 6:23	1/5/2021 6:24	0:00:59	49.22	-18.27	424.27	47.85	-13.06	423.91	-143.60	0.40
195	1/5/2021 6:25	1/5/2021 6:27	0:02:21	47.07	-10.57	423.71	42.71	0.03	422.63	-142.91	1.09
196	1/5/2021 6:28	1/5/2021 6:28	0:00:31	41.27	2.75	422.29	40.15	4.71	422.02	-143.74	0.26
197	1/5/2021 6:29	1/5/2021 6:29	0:00:19	39.00	6.60	421.76	38.21	7.82	421.58	-143.71	0.29
198	1/5/2021 6:30	1/5/2021 6:30	0:00:00	35.75	11.33	421.05	35.75	11.33	421.05	-143.95	0.05
199	1/5/2021 6:31	1/5/2021 6:36	0:05:21	33.19	14.61	420.53	18.21	29.23	418.46	-142.09	1.91
200	1/5/2021 6:38	1/5/2021 6:40	0:02:30	14.24	32.38	418.25	6.68	37.97	418.32	-142.08	1.92
201	1/5/2021 6:41	1/5/2021 6:42	0:01:20	3.63	40.15	418.53	-0.45	43.02	418.97	-142.78	1.22
202	1/5/2021 6:44	1/5/2021 6:45	0:00:30	-6.05	46.99	419.89	-7.57	48.08	420.20	-143.47	0.53
203	1/5/2021 6:48	1/5/2021 6:48	0:00:00	-16.60	54.88	422.52	-16.60	54.88	422.52	-143.98	0.02
204	1/5/2021 7:03	1/5/2021 7:03	0:00:09	-50.84	112.48	436.06	-50.96	113.44	436.11	-143.89	0.11
205	1/5/2021 7:05	1/5/2021 7:06	0:01:00	-51.79	125.22	436.53	-51.71	131.19	436.55	-142.69	1.31
206	1/5/2021 7:07	1/5/2021 7:08	0:00:40	-51.48	135.14	436.49	-51.10	139.04	436.37	-142.58	1.42
207	1/5/2021 7:09	1/5/2021 7:10	0:00:41	-50.11	145.66	436.04	-49.37	149.30	435.78	-143.05	0.95
208	1/5/2021 7:11	1/5/2021 7:11	0:00:21	-47.53	156.20	435.10	-47.00	157.84	434.90	-143.25	0.75
209	1/5/2021 7:12	1/5/2021 7:14	0:02:10	-45.26	162.56	434.25	-40.83	171.74	432.53	-142.88	1.12
210	1/5/2021 7:15	1/5/2021 7:16	0:01:10	-39.31	174.29	431.93	-36.51	178.48	430.84	-143.56	0.44
211	1/5/2021 7:17	1/5/2021 7:23	0:05:41	-34.84	-179.27	430.18	-19.15	-163.35	424.61	-142.05	1.95
212	1/5/2021 7:24	1/5/2021 7:26	0:02:11	-14.21	-159.41	423.18	-7.67	-154.55	421.62	-141.76	2.24
213	1/5/2021 7:27	1/5/2021 7:29	0:01:31	-4.11	-152.01	420.95	0.47	-148.78	420.28	-142.89	1.11
214	1/5/2021 7:30	1/5/2021 7:31	0:00:59	4.54	-145.90	419.87	7.59	-143.72	419.67	-142.54	1.46
215	1/5/2021 7:33	1/5/2021 7:34	0:00:30	13.64	-139.24	419.58	15.13	-138.09	419.62	-143.75	0.25
216	1/5/2021 7:35	1/5/2021 7:35	0:00:00	18.10	-135.72	419.75	18.10	-135.72	419.75	-143.78	0.22
217	1/5/2021 7:36	1/5/2021 7:36	0:00:00	21.03	-133.27	419.96	21.03	-133.27	419.96	-143.91	0.09
218	1/5/2021 7:38	1/5/2021 7:38	0:00:11	27.69	-127.09	420.69	28.15	-126.62	420.76	-143.75	0.25
219	1/5/2021 7:39	1/5/2021 7:41	0:01:20	30.43	-124.20	421.09	33.96	-120.07	421.67	-142.76	1.24
220	1/5/2021 7:42	1/5/2021 7:43	0:01:09	36.90	-116.15	422.20	39.69	-111.90	422.73	-143.16	0.84
221	1/5/2021 7:45	1/5/2021 7:45	0:00:39	43.65	-104.47	423.53	44.95	-101.52	423.79	-143.52	0.48
222	1/5/2021 7:46	1/5/2021 7:46	0:00:09	46.73	-96.84	424.15	47.01	-96.03	424.21	-143.64	0.36
223	1/5/2021 7:49	1/5/2021 7:54	0:04:40	50.74	-80.03	424.93	51.06	-52.43	424.79	-143.24	0.76
224	1/5/2021 7:56	1/5/2021 7:57	0:01:01	49.29	-42.16	424.30	47.93	-36.93	423.95	-143.61	0.39
225	1/5/2021 7:58	1/5/2021 8:00	0:02:10	46.88	-33.62	423.68	42.82	-23.80	422.67	-142.93	1.07
226	1/5/2021 8:01	1/5/2021 8:01	0:00:31	41.02	-20.40	422.24	39.90	-18.46	421.98	-143.70	0.30
227	1/5/2021 8:02	1/5/2021 8:02	0:00:09	38.73	-16.58	421.71	38.34	-15.97	421.62	-143.69	0.31
228	1/5/2021 8:03	1/5/2021 8:03	0:00:00	35.47	-11.89	421.00	35.47	-11.89	421.00	-143.96	0.04
229	1/5/2021 8:04	1/5/2021 8:09	0:05:30	33.33	-9.16	420.56	17.87	5.90	418.42	-141.96	2.04
230	1/5/2021 8:11	1/5/2021 8:13	0:02:30	13.90	9.04	418.22	6.33	14.62	418.31	-141.98	2.02
231	1/5/2021 8:14	1/5/2021 8:15	0:01:20	3.28	16.79	418.53	-0.80	19.66	418.98	-142.76	1.24
232	1/5/2021 8:17	1/5/2021 8:18	0:00:30	-6.39	23.63	419.91	-7.92	24.72	420.23	-143.42	0.58
233	1/5/2021 8:36	1/5/2021 8:36	0:00:10	-50.93	89.53	436.02	-51.05	90.49	436.07	-143.88	0.12
234	1/5/2021 8:38	1/5/2021 8:38	0:00:00	-51.80	102.30	436.45	-51.80	102.30	436.45	-143.98	0.02
235	1/5/2021 8:39	1/5/2021 8:39	0:00:31	-51.78	105.29	436.47	-51.68	108.27	436.45	-142.69	1.31
236	1/5/2021 8:40	1/5/2021 8:40	0:00:20	-51.34	113.19	436.36	-51.14	115.13	436.29	-143.01	0.99
237	1/5/2021 8:42	1/5/2021 8:43	0:00:41	-50.00	122.69	435.91	-49.23	126.31	435.63	-143.02	0.98
238	1/5/2021 8:44	1/5/2021 8:44	0:00:21	-47.35	133.16	434.94	-46.81	134.80	434.74	-143.38	0.62
239	1/5/2021 8:45	1/5/2021 8:45	0:00:20	-45.36	138.72	434.19	-44.73	140.23	433.95	-143.79	0.21
240	1/5/2021 8:46	1/5/2021 8:47	0:01:20	-43.76	142.43	433.57	-40.95	147.93	432.48	-142.94	1.06

Table 7 Berthed GN 6Mbps (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)
241	1/5/2021 8:48	1/5/2021 8:49	0:01:10	-39.05	151.11	431.73	-36.23	155.27	430.63	-143.62	0.38
242	1/5/2021 8:50	1/5/2021 8:56	0:05:41	-34.55	157.50	429.98	-18.81	173.32	424.43	-142.26	1.74
243	1/5/2021 8:57	1/5/2021 8:59	0:02:11	-13.86	177.25	423.02	-7.32	-177.90	421.49	-141.84	2.16
244	1/5/2021 9:00	1/5/2021 9:02	0:01:31	-3.76	-175.37	420.83	0.82	-172.13	420.18	-142.98	1.02
245	1/5/2021 9:03	1/5/2021 9:05	0:01:01	5.40	-168.89	419.76	8.44	-166.71	419.60	-142.48	1.52
246	1/5/2021 9:06	1/5/2021 9:07	0:00:20	14.48	-162.20	419.56	15.47	-161.42	419.59	-143.79	0.21
247	1/5/2021 9:08	1/5/2021 9:08	0:00:00	18.44	-159.05	419.73	18.44	-159.05	419.73	-143.95	0.05
248	1/5/2021 9:11	1/5/2021 9:11	0:00:10	28.00	-150.37	420.72	28.47	-149.90	420.78	-143.65	0.35
249	1/5/2021 9:12	1/5/2021 9:13	0:01:10	30.74	-147.46	421.12	33.83	-143.84	421.63	-143.11	0.89
250	1/5/2021 9:15	1/5/2021 9:16	0:01:09	37.19	-139.35	422.24	39.95	-135.06	422.78	-143.21	0.79
251	1/5/2021 9:18	1/5/2021 9:18	0:00:39	43.88	-127.57	423.57	45.17	-124.60	423.83	-143.58	0.42
252	1/5/2021 9:19	1/5/2021 9:19	0:00:00	46.92	-119.88	424.19	46.92	-119.88	424.19	-143.82	0.18
253	1/5/2021 9:22	1/5/2021 9:27	0:04:49	50.70	-103.93	424.92	50.98	-75.36	424.77	-143.27	0.73
254	1/5/2021 9:29	1/5/2021 9:30	0:00:50	49.15	-65.15	424.27	48.01	-60.80	423.97	-143.61	0.39
255	1/5/2021 9:30	1/5/2021 9:33	0:02:20	46.97	-57.47	423.71	42.58	-46.92	422.63	-142.70	1.30
256	1/5/2021 9:33	1/5/2021 9:34	0:00:41	41.14	-44.21	422.29	39.63	-41.62	421.94	-143.70	0.30
257	1/5/2021 9:35	1/5/2021 9:35	0:00:09	38.46	-39.76	421.67	38.06	-39.16	421.58	-143.71	0.29
258	1/5/2021 9:36	1/5/2021 9:36	0:00:10	35.60	-35.66	421.06	35.18	-35.11	420.97	-143.97	0.03
259	1/5/2021 9:37	1/5/2021 9:42	0:05:30	33.03	-32.40	420.54	17.53	-17.42	418.44	-141.84	2.16
260	1/5/2021 9:44	1/5/2021 9:46	0:02:31	13.56	-14.30	418.26	5.98	-8.73	418.38	-142.03	1.97
261	1/5/2021 9:47	1/5/2021 9:48	0:01:20	2.93	-6.57	418.61	-1.15	-3.69	419.08	-142.74	1.26
262	1/5/2021 9:50	1/5/2021 9:51	0:00:30	-6.74	0.28	420.03	-8.26	1.37	420.35	-143.35	0.65
263	1/5/2021 10:09	1/5/2021 10:09	0:00:00	-51.01	66.59	436.04	-51.01	66.59	436.04	-143.95	0.05
264	1/5/2021 10:12	1/5/2021 10:12	0:00:31	-51.77	82.37	436.45	-51.65	85.35	436.42	-142.82	1.18
265	1/5/2021 10:13	1/5/2021 10:14	0:00:30	-51.27	90.26	436.31	-50.94	93.15	436.20	-143.36	0.64
266	1/5/2021 10:15	1/5/2021 10:15	0:00:31	-49.87	99.72	435.83	-49.29	102.43	435.62	-143.14	0.86
267	1/5/2021 10:17	1/5/2021 10:17	0:00:30	-47.43	109.30	434.93	-46.62	111.75	434.62	-143.65	0.35
268	1/5/2021 10:18	1/5/2021 10:20	0:02:09	-45.15	115.64	434.06	-40.69	124.78	432.32	-143.02	0.98
269	1/5/2021 10:21	1/5/2021 10:22	0:01:10	-38.78	127.93	431.57	-35.95	132.06	430.46	-143.60	0.40
270	1/5/2021 10:23	1/5/2021 10:28	0:05:30	-34.26	134.27	429.81	-18.97	149.59	424.42	-142.31	1.69
271	1/5/2021 10:30	1/5/2021 10:32	0:02:10	-13.52	153.91	422.88	-6.97	158.75	421.37	-141.98	2.02
272	1/5/2021 10:33	1/5/2021 10:35	0:01:21	-3.41	161.28	420.73	0.66	164.15	420.16	-143.02	0.98
273	1/5/2021 10:36	1/5/2021 10:37	0:00:50	5.75	167.75	419.70	8.29	169.58	419.57	-142.22	1.78
274	1/5/2021 10:40	1/5/2021 10:40	0:00:09	15.32	174.85	419.56	15.82	175.24	419.58	-143.88	0.12
275	1/5/2021 10:44	1/5/2021 10:44	0:00:21	27.86	-174.12	420.70	28.78	-173.17	420.83	-143.54	0.46
276	1/5/2021 10:45	1/5/2021 10:46	0:00:50	31.50	-170.21	421.25	33.69	-167.61	421.62	-143.10	0.90
277	1/5/2021 10:48	1/5/2021 10:49	0:01:10	37.47	-162.54	422.32	40.21	-158.22	422.86	-143.16	0.84
278	1/5/2021 10:51	1/5/2021 10:51	0:00:39	44.11	-150.67	423.66	45.38	-147.68	423.92	-143.63	0.37
279	1/5/2021 10:52	1/5/2021 10:52	0:00:00	46.84	-143.74	424.22	46.84	-143.74	424.22	-143.90	0.10
280	1/5/2021 10:55	1/5/2021 11:00	0:04:40	50.79	-126.88	425.00	51.02	-99.27	424.86	-143.23	0.77
281	1/5/2021 11:02	1/5/2021 11:06	0:03:50	49.21	-89.03	424.37	42.69	-70.74	422.73	-142.81	1.19
282	1/5/2021 11:06	1/5/2021 11:07	0:00:30	40.89	-67.36	422.31	39.75	-65.42	422.05	-143.72	0.28
283	1/5/2021 11:08	1/5/2021 11:08	0:00:19	38.58	-63.56	421.78	37.79	-62.35	421.61	-143.72	0.28
284	1/5/2021 11:09	1/5/2021 11:09	0:00:09	35.31	-58.88	421.08	34.89	-58.33	420.99	-143.94	0.06
285	1/5/2021 11:10	1/5/2021 11:15	0:05:30	32.73	-55.64	420.57	17.19	-40.75	418.52	-141.88	2.12
286	1/5/2021 11:17	1/5/2021 11:19	0:02:31	13.21	-37.65	418.35	5.64	-32.09	418.51	-141.98	2.02
287	1/5/2021 11:20	1/5/2021 11:21	0:01:20	2.58	-29.92	418.75	-1.50	-27.05	419.24	-142.85	1.15
288	1/5/2021 11:23	1/5/2021 11:24	0:00:30	-7.09	-23.08	420.22	-8.61	-21.98	420.54	-143.28	0.72
289	1/5/2021 11:45	1/5/2021 11:45	0:00:41	-51.77	58.45	436.50	-51.61	62.42	436.46	-142.82	1.18
290	1/5/2021 11:46	1/5/2021 11:47	0:00:20	-51.09	68.28	436.30	-50.85	70.20	436.21	-143.60	0.40
291	1/5/2021 11:48	1/5/2021 11:48	0:00:41	-49.93	75.82	435.89	-49.15	79.43	435.60	-143.19	0.81
292	1/5/2021 11:49	1/5/2021 11:49	0:00:00	-48.26	82.91	435.27	-48.26	82.91	435.27	-143.90	0.10
293	1/5/2021 11:50	1/5/2021 11:50	0:00:11	-46.98	87.08	434.78	-46.71	87.88	434.68	-143.84	0.16
294	1/5/2021 11:51	1/5/2021 11:51	0:00:09	-44.93	92.55	433.99	-44.62	93.30	433.86	-143.79	0.21
295	1/5/2021 11:52	1/5/2021 11:53	0:01:20	-43.64	95.49	433.48	-40.81	100.96	432.36	-142.86	1.14
296	1/5/2021 11:54	1/5/2021 11:55	0:01:20	-38.90	104.13	431.61	-35.66	108.84	430.33	-143.56	0.44
297	1/5/2021 11:56	1/5/2021 12:01	0:05:39	-34.39	110.50	429.83	-18.63	126.27	424.25	-142.05	1.95
298	1/5/2021 12:03	1/5/2021 12:05	0:02:10	-13.18	130.57	422.71	-6.62	135.39	421.22	-142.11	1.89
299	1/5/2021 12:06	1/5/2021 12:08	0:01:21	-3.07	137.92	420.59	1.01	140.79	420.03	-143.02	0.98
300	1/5/2021 12:10	1/5/2021 12:10	0:00:49	6.10	144.40	419.58	8.63	146.23	419.46	-142.19	1.81

Table 7 Berthed GN 6Mbps (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)
301	1/5/2021 12:13	1/5/2021 12:13	0:00:00	15.66	151.51	419.47	15.66	151.51	419.47	-143.92	0.08
302	1/5/2021 12:17	1/5/2021 12:17	0:00:21	28.18	162.60	420.62	29.09	163.56	420.76	-143.52	0.48
303	1/5/2021 12:18	1/5/2021 12:19	0:00:40	31.35	166.02	421.11	33.12	168.09	421.41	-143.08	0.92
304	1/5/2021 12:20	1/5/2021 12:22	0:01:21	37.34	173.67	422.18	40.47	178.62	422.80	-143.10	0.90
305	1/5/2021 12:24	1/5/2021 12:24	0:00:50	44.01	-174.51	423.53	45.59	-170.75	423.86	-143.72	0.28
306	1/5/2021 12:28	1/5/2021 12:33	0:04:50	50.75	-150.78	424.91	50.93	-122.21	424.78	-143.22	0.78
307	1/5/2021 12:35	1/5/2021 12:39	0:03:41	49.07	-112.02	424.29	42.80	-94.56	422.75	-142.76	1.24
308	1/5/2021 12:39	1/5/2021 12:40	0:00:30	40.63	-90.51	422.24	39.49	-88.59	421.98	-143.69	0.31
309	1/5/2021 12:41	1/5/2021 12:41	0:00:19	38.31	-86.74	421.72	37.51	-85.54	421.55	-143.70	0.30
310	1/5/2021 12:42	1/5/2021 12:42	0:00:00	35.02	-82.10	421.03	35.02	-82.10	421.03	-143.95	0.05
311	1/5/2021 12:43	1/5/2021 12:48	0:05:30	32.43	-78.89	420.52	16.85	-64.08	418.55	-141.97	2.03
312	1/5/2021 12:50	1/5/2021 12:52	0:02:30	12.87	-60.99	418.40	5.29	-55.44	418.60	-141.82	2.18
313	1/5/2021 12:53	1/5/2021 12:55	0:01:21	2.23	-53.28	418.86	-1.85	-50.41	419.38	-142.96	1.04
314	1/5/2021 12:56	1/5/2021 12:57	0:00:29	-7.44	-46.43	420.38	-8.96	-45.33	420.71	-143.22	0.78
315	1/5/2021 13:18	1/5/2021 13:18	0:00:50	-51.75	35.53	436.60	-51.50	40.47	436.53	-142.95	1.05
316	1/5/2021 13:19	1/5/2021 13:20	0:00:21	-51.02	45.34	436.37	-50.76	47.25	436.28	-143.70	0.30
317	1/5/2021 13:21	1/5/2021 13:21	0:00:41	-49.81	52.84	435.93	-49.01	56.43	435.64	-143.10	0.90
318	1/5/2021 13:24	1/5/2021 13:24	0:00:10	-44.72	69.46	433.98	-44.40	70.20	433.85	-143.82	0.18
319	1/5/2021 13:25	1/5/2021 13:26	0:01:20	-43.41	72.37	433.46	-40.56	77.80	432.32	-142.94	1.06
320	1/5/2021 13:27	1/5/2021 13:28	0:01:09	-38.64	80.95	431.55	-35.80	85.06	430.42	-143.55	0.45
321	1/5/2021 13:29	1/5/2021 13:34	0:05:40	-34.10	87.26	429.75	-18.30	102.94	424.13	-141.94	2.06
322	1/5/2021 13:36	1/5/2021 13:38	0:01:59	-12.84	107.22	422.58	-6.79	111.67	421.19	-142.12	1.88
323	1/5/2021 13:40	1/5/2021 13:41	0:01:20	-2.72	114.56	420.46	1.36	117.43	419.90	-143.03	0.97
324	1/5/2021 13:43	1/5/2021 13:43	0:00:50	6.44	121.04	419.46	8.98	122.87	419.34	-142.30	1.70
325	1/5/2021 13:46	1/5/2021 13:46	0:00:00	16.00	128.18	419.37	16.00	128.18	419.37	-143.95	0.05
326	1/5/2021 13:50	1/5/2021 13:50	0:00:20	28.49	139.32	420.53	29.41	140.28	420.66	-143.49	0.51
327	1/5/2021 13:51	1/5/2021 13:52	0:00:30	31.66	142.77	421.01	32.98	144.32	421.23	-143.11	0.89
328	1/5/2021 13:54	1/5/2021 13:55	0:01:09	37.61	150.47	422.08	40.35	154.81	422.61	-143.07	0.93
329	1/5/2021 13:57	1/5/2021 13:57	0:00:00	44.23	162.39	423.41	44.23	162.39	423.41	-143.86	0.14
330	1/5/2021 13:57	1/5/2021 13:57	0:00:20	45.19	164.63	423.60	45.79	166.17	423.73	-143.73	0.27
331	1/5/2021 13:59	1/5/2021 13:59	0:00:00	47.98	172.68	424.18	47.98	172.68	424.18	-143.99	0.01
332	1/5/2021 14:01	1/5/2021 14:06	0:04:50	50.84	-173.73	424.76	50.85	-145.15	424.60	-143.21	0.79
333	1/5/2021 14:08	1/5/2021 14:12	0:03:50	49.13	-135.90	424.16	42.56	-117.69	422.57	-142.79	1.21
334	1/5/2021 14:12	1/5/2021 14:13	0:00:39	40.74	-114.32	422.15	39.22	-111.77	421.81	-143.67	0.33
335	1/5/2021 14:14	1/5/2021 14:14	0:00:09	38.03	-109.93	421.56	37.63	-109.33	421.47	-143.68	0.32
336	1/5/2021 14:15	1/5/2021 14:15	0:00:00	34.73	-105.33	420.88	34.73	-105.33	420.88	-143.95	0.05
337	1/5/2021 14:16	1/5/2021 14:21	0:05:39	32.56	-102.65	420.46	16.51	-87.42	418.49	-142.04	1.96
338	1/5/2021 14:22	1/5/2021 14:22	0:00:00	14.52	-85.86	418.41	14.52	-85.86	418.41	-143.92	0.08
339	1/5/2021 14:23	1/5/2021 14:25	0:02:30	13.02	-84.71	418.38	5.44	-79.16	418.58	-141.65	2.35
340	1/5/2021 14:26	1/5/2021 14:27	0:01:09	1.88	-76.63	418.90	-1.69	-74.12	419.36	-143.04	0.96
341	1/5/2021 14:29	1/5/2021 14:30	0:00:29	-7.79	-69.78	420.47	-9.31	-68.68	420.81	-143.11	0.89
342	1/5/2021 14:51	1/5/2021 14:51	0:00:50	-51.76	11.61	436.64	-51.52	16.56	436.57	-142.85	1.15
343	1/5/2021 14:52	1/5/2021 14:52	0:00:00	-51.27	19.50	436.49	-51.27	19.50	436.49	-143.98	0.02
344	1/5/2021 14:52	1/5/2021 14:53	0:00:11	-50.93	22.39	436.37	-50.81	23.35	436.33	-143.60	0.40
345	1/5/2021 14:54	1/5/2021 14:54	0:00:41	-49.68	29.86	435.92	-48.86	33.43	435.61	-142.91	1.09
346	1/5/2021 14:55	1/5/2021 14:55	0:00:00	-48.17	36.02	435.35	-48.17	36.02	435.35	-143.94	0.06
347	1/5/2021 14:57	1/5/2021 14:57	0:00:09	-44.82	45.62	434.05	-44.50	46.36	433.92	-143.80	0.20
348	1/5/2021 14:57	1/5/2021 14:59	0:01:31	-43.51	48.54	433.53	-40.30	54.64	432.25	-143.03	0.97
349	1/5/2021 15:00	1/5/2021 15:01	0:01:10	-38.36	57.76	431.47	-35.51	61.84	430.33	-143.59	0.41
350	1/5/2021 15:02	1/5/2021 15:07	0:05:40	-33.81	64.03	429.66	-17.96	79.61	424.03	-142.00	2.00
351	1/5/2021 15:09	1/5/2021 15:11	0:02:00	-12.49	83.88	422.49	-6.44	88.32	421.11	-142.12	1.88
352	1/5/2021 15:13	1/5/2021 15:14	0:01:20	-2.37	91.21	420.40	1.71	94.08	419.86	-143.05	0.95
353	1/5/2021 15:16	1/5/2021 15:16	0:00:59	6.79	97.69	419.43	9.83	99.89	419.31	-142.36	1.64
354	1/5/2021 15:23	1/5/2021 15:23	0:00:29	28.35	115.57	420.53	29.72	117.01	420.73	-143.51	0.49
355	1/5/2021 15:24	1/5/2021 15:25	0:00:30	31.96	119.52	421.09	33.28	121.08	421.32	-143.18	0.82
356	1/5/2021 15:27	1/5/2021 15:28	0:01:00	37.89	127.28	422.17	40.23	131.00	422.63	-143.08	0.92
357	1/5/2021 15:30	1/5/2021 15:30	0:00:09	45.40	141.56	423.70	45.70	142.33	423.77	-143.70	0.30
358	1/5/2021 15:31	1/5/2021 15:31	0:00:00	47.90	148.81	424.23	47.90	148.81	424.23	-143.64	0.36
359	1/5/2021 15:34	1/5/2021 15:39	0:05:00	50.80	162.37	424.82	50.75	-168.10	424.65	-143.17	0.83
360	1/5/2021 15:41	1/5/2021 15:45	0:03:50	48.99	-158.90	424.20	42.31	-140.82	422.59	-142.69	1.31

Table 7 Berthed GN 6Mbps (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)
361	1/5/2021 15:45	1/5/2021 15:47	0:01:19	40.49	-137.48	422.17	37.35	-132.53	421.49	-143.69	0.31
362	1/5/2021 15:48	1/5/2021 15:48	0:00:11	34.86	-129.11	420.97	34.43	-128.56	420.89	-143.96	0.04
363	1/5/2021 15:49	1/5/2021 15:54	0:05:39	32.26	-125.90	420.48	16.17	-110.75	418.54	-141.93	2.07
364	1/5/2021 15:55	1/5/2021 15:55	0:00:00	14.18	-109.20	418.47	14.18	-109.20	418.47	-143.90	0.10
365	1/5/2021 15:56	1/5/2021 15:58	0:02:30	12.68	-108.05	418.44	5.10	-102.52	418.67	-141.45	2.55
366	1/5/2021 15:59	1/5/2021 16:00	0:01:09	1.53	-99.99	419.00	-2.04	-97.48	419.47	-143.13	0.87
367	1/5/2021 16:02	1/5/2021 16:03	0:00:29	-8.13	-93.13	420.60	-9.65	-92.03	420.95	-142.97	1.03
368	1/5/2021 16:24	1/5/2021 16:24	0:00:20	-51.74	-11.31	436.64	-51.66	-9.33	436.62	-143.00	1.00
369	1/5/2021 16:24	1/5/2021 16:24	0:00:00	-51.47	-6.37	436.56	-51.47	-6.37	436.56	-143.98	0.02
370	1/5/2021 16:25	1/5/2021 16:25	0:00:00	-51.20	-3.44	436.47	-51.20	-3.44	436.47	-143.86	0.14
371	1/5/2021 16:25	1/5/2021 16:26	0:00:11	-50.84	-0.56	436.35	-50.71	0.39	436.30	-143.44	0.56
372	1/5/2021 16:27	1/5/2021 16:27	0:00:30	-49.54	6.87	435.87	-48.93	9.54	435.64	-143.13	0.87
373	1/5/2021 16:30	1/5/2021 16:30	0:00:09	-44.60	22.52	433.96	-44.28	23.26	433.83	-143.79	0.21
374	1/5/2021 16:30	1/5/2021 16:32	0:01:21	-43.28	25.42	433.43	-40.42	30.83	432.29	-143.00	1.00
375	1/5/2021 16:33	1/5/2021 16:34	0:01:10	-38.09	34.57	431.36	-35.22	38.61	430.21	-143.58	0.42
376	1/5/2021 16:35	1/5/2021 16:40	0:05:40	-33.51	40.79	429.54	-17.62	56.28	423.92	-142.10	1.90
377	1/5/2021 16:42	1/5/2021 16:44	0:02:00	-12.15	60.53	422.39	-6.09	64.96	421.03	-142.15	1.85
378	1/5/2021 16:46	1/5/2021 16:47	0:01:20	-2.02	67.85	420.33	2.06	70.72	419.81	-143.08	0.92
379	1/5/2021 16:49	1/5/2021 16:49	0:00:59	7.14	74.33	419.40	10.18	76.54	419.30	-142.41	1.59
380	1/5/2021 16:56	1/5/2021 16:56	0:00:21	28.66	92.29	420.59	29.57	93.25	420.73	-143.57	0.43
381	1/5/2021 16:57	1/5/2021 16:58	0:00:30	32.26	96.26	421.17	33.58	97.84	421.39	-143.19	0.81
382	1/5/2021 17:00	1/5/2021 17:00	0:00:59	38.16	104.09	422.26	40.49	107.84	422.73	-143.09	0.91
383	1/5/2021 17:03	1/5/2021 17:03	0:00:09	45.60	118.48	423.81	45.90	119.26	423.87	-143.62	0.38
384	1/5/2021 17:04	1/5/2021 17:04	0:00:10	47.82	124.94	424.28	48.07	125.79	424.34	-143.62	0.38
385	1/5/2021 17:07	1/5/2021 17:12	0:05:00	50.89	139.42	424.92	50.66	168.94	424.74	-143.31	0.69
386	1/5/2021 17:14	1/5/2021 17:17	0:03:59	49.06	177.22	424.34	42.07	-163.96	422.66	-142.76	1.24
387	1/5/2021 17:18	1/5/2021 17:19	0:00:30	40.23	-160.64	422.24	39.07	-158.75	421.99	-143.68	0.32
388	1/5/2021 17:19	1/5/2021 17:20	0:00:20	37.89	-156.92	421.73	37.08	-155.73	421.56	-143.71	0.29
389	1/5/2021 17:21	1/5/2021 17:21	0:00:10	34.57	-152.34	421.05	34.14	-151.79	420.96	-143.94	0.06
390	1/5/2021 17:22	1/5/2021 17:22	0:00:39	31.96	-149.16	420.55	30.17	-147.14	420.24	-143.76	0.24
391	1/5/2021 17:23	1/5/2021 17:27	0:04:29	28.80	-145.69	420.01	15.84	-134.09	418.64	-141.87	2.13
392	1/5/2021 17:28	1/5/2021 17:28	0:00:11	14.34	-132.93	418.58	13.84	-132.54	418.57	-143.92	0.08
393	1/5/2021 17:29	1/5/2021 17:31	0:02:30	12.34	-131.40	418.54	4.75	-125.87	418.79	-141.28	2.72
394	1/5/2021 17:32	1/5/2021 17:33	0:01:20	1.70	-123.71	419.07	-2.38	-120.84	419.61	-143.13	0.87
395	1/5/2021 17:35	1/5/2021 17:36	0:00:30	-8.48	-116.49	420.75	-9.99	-115.38	421.09	-142.93	1.07
396	1/5/2021 17:56	1/5/2021 17:56	0:00:10	-51.78	-40.22	436.59	-51.79	-39.22	436.60	-143.94	0.06
397	1/5/2021 17:56	1/5/2021 17:57	0:00:30	-51.75	-35.24	436.60	-51.62	-32.26	436.56	-143.00	1.00
398	1/5/2021 17:58	1/5/2021 17:59	0:00:50	-51.23	-27.36	436.43	-50.62	-22.57	436.21	-143.42	0.58
399	1/5/2021 18:00	1/5/2021 18:00	0:00:31	-49.41	-16.12	435.76	-48.78	-13.47	435.52	-143.04	0.96
400	1/5/2021 18:03	1/5/2021 18:03	0:00:00	-44.38	-0.58	433.80	-44.38	-0.58	433.80	-143.84	0.16
401	1/5/2021 18:03	1/5/2021 18:05	0:01:21	-43.05	2.30	433.27	-40.16	7.66	432.11	-142.98	1.02
402	1/5/2021 18:06	1/5/2021 18:07	0:01:20	-38.22	10.77	431.33	-34.93	15.38	430.02	-143.53	0.47
403	1/5/2021 18:08	1/5/2021 18:13	0:05:50	-33.65	17.01	429.52	-17.29	32.94	423.75	-142.10	1.90
404	1/5/2021 18:15	1/5/2021 18:17	0:02:10	-12.31	36.80	422.37	-5.75	41.60	420.91	-142.09	1.91
405	1/5/2021 18:19	1/5/2021 18:20	0:01:20	-1.68	44.49	420.23	2.40	47.36	419.72	-143.10	0.90
406	1/5/2021 18:22	1/5/2021 18:22	0:00:50	7.99	51.34	419.32	10.52	53.19	419.25	-142.47	1.53
407	1/5/2021 18:29	1/5/2021 18:29	0:00:21	28.97	69.01	420.61	29.88	69.98	420.75	-143.52	0.48
408	1/5/2021 18:30	1/5/2021 18:30	0:00:20	32.56	73.01	421.19	33.44	74.06	421.35	-143.24	0.76
409	1/5/2021 18:32	1/5/2021 18:33	0:01:01	38.04	80.29	422.21	40.37	84.03	422.68	-143.08	0.92
410	1/5/2021 18:36	1/5/2021 18:36	0:00:10	45.51	94.63	423.77	45.81	95.40	423.84	-143.58	0.42
411	1/5/2021 18:37	1/5/2021 18:38	0:00:20	47.74	101.07	424.25	48.23	102.76	424.36	-143.39	0.61
412	1/5/2021 18:40	1/5/2021 18:45	0:05:00	50.85	115.51	424.91	50.71	145.03	424.77	-143.35	0.65
413	1/5/2021 18:46	1/5/2021 18:50	0:04:10	49.33	152.44	424.42	42.19	172.22	422.72	-142.86	1.14
414	1/5/2021 18:51	1/5/2021 18:52	0:00:30	39.97	176.19	422.22	38.81	178.07	421.96	-143.66	0.34
415	1/5/2021 18:52	1/5/2021 18:53	0:00:20	37.61	179.88	421.70	36.80	-178.94	421.53	-143.69	0.31
416	1/5/2021 18:54	1/5/2021 18:54	0:00:10	34.28	-175.57	421.03	33.85	-175.03	420.94	-143.95	0.05
417	1/5/2021 18:55	1/5/2021 18:55	0:00:39	31.66	-172.41	420.53	29.86	-170.41	420.22	-143.77	0.23
418	1/5/2021 18:56	1/5/2021 19:00	0:04:20	28.49	-168.97	420.00	16.00	-157.82	418.69	-141.88	2.12
419	1/5/2021 19:01	1/5/2021 19:04	0:03:11	14.00	-156.27	418.61	4.41	-149.23	418.85	-141.14	2.86
420	1/5/2021 19:05	1/5/2021 19:06	0:01:20	1.35	-147.07	419.14	-2.73	-144.20	419.68	-143.16	0.84

Table 7 Berthed GN 6Mbps (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)
421	1/5/2021 19:08	1/5/2021 19:09	0:00:21	-8.82	-139.85	420.84	-9.83	-139.11	421.07	-142.97	1.03
422	1/5/2021 19:29	1/5/2021 19:29	0:00:09	-51.79	-63.14	436.51	-51.80	-62.15	436.51	-143.93	0.07
423	1/5/2021 19:29	1/5/2021 19:30	0:00:19	-51.73	-58.17	436.50	-51.64	-56.19	436.47	-142.96	1.04
424	1/5/2021 19:31	1/5/2021 19:31	0:00:00	-51.16	-50.31	436.31	-51.16	-50.31	436.31	-143.46	0.54
425	1/5/2021 19:31	1/5/2021 19:31	0:00:09	-50.80	-47.43	436.18	-50.66	-46.48	436.13	-143.31	0.69
426	1/5/2021 19:33	1/5/2021 19:33	0:00:31	-49.27	-39.12	435.61	-48.63	-36.48	435.36	-142.98	1.02
427	1/5/2021 19:34	1/5/2021 19:34	0:00:00	-47.91	-33.91	435.08	-47.91	-33.91	435.08	-143.97	0.03
428	1/5/2021 19:36	1/5/2021 19:36	0:00:10	-44.48	-24.42	433.74	-44.16	-23.69	433.61	-143.88	0.12
429	1/5/2021 19:36	1/5/2021 19:38	0:01:21	-42.82	-20.83	433.07	-39.90	-15.51	431.90	-143.05	0.95
430	1/5/2021 19:39	1/5/2021 19:40	0:01:20	-37.95	-12.42	431.12	-34.64	-7.85	429.81	-143.49	0.51
431	1/5/2021 19:41	1/5/2021 19:46	0:05:39	-33.35	-6.23	429.30	-17.44	9.21	423.71	-141.86	2.14
432	1/5/2021 19:48	1/5/2021 19:50	0:02:10	-11.97	13.46	422.21	-5.40	18.25	420.78	-141.92	2.08
433	1/5/2021 19:52	1/5/2021 19:53	0:01:20	-1.33	21.13	420.12	2.75	24.00	419.64	-143.12	0.88
434	1/5/2021 19:55	1/5/2021 19:55	0:00:59	7.83	27.62	419.29	10.86	29.84	419.21	-142.51	1.49
435	1/5/2021 19:56	1/5/2021 19:56	0:00:00	12.87	31.35	419.21	12.87	31.35	419.21	-143.92	0.08
436	1/5/2021 20:02	1/5/2021 20:02	0:00:30	28.83	45.25	420.58	30.19	46.71	420.79	-143.40	0.60
437	1/5/2021 20:03	1/5/2021 20:03	0:00:29	32.43	49.24	421.16	33.74	50.83	421.39	-143.32	0.68
438	1/5/2021 20:05	1/5/2021 20:06	0:00:50	38.31	57.10	422.26	40.25	60.22	422.65	-143.03	0.97
439	1/5/2021 20:08	1/5/2021 20:08	0:00:00	43.82	67.05	423.40	43.82	67.05	423.40	-143.99	0.01
440	1/5/2021 20:09	1/5/2021 20:09	0:00:09	45.71	71.55	423.81	46.01	72.33	423.87	-143.60	0.40
441	1/5/2021 20:10	1/5/2021 20:11	0:00:31	47.66	77.20	424.23	48.40	79.75	424.39	-143.17	0.83
442	1/5/2021 20:13	1/5/2021 20:18	0:05:01	50.93	92.56	424.92	50.61	122.08	424.74	-143.36	0.64
443	1/5/2021 20:19	1/5/2021 20:23	0:04:10	49.19	129.44	424.38	41.94	149.08	422.66	-142.95	1.05
444	1/5/2021 20:24	1/5/2021 20:25	0:00:39	40.09	152.38	422.24	38.54	154.88	421.90	-143.65	0.35
445	1/5/2021 20:25	1/5/2021 20:26	0:00:11	37.34	156.68	421.64	36.93	157.27	421.56	-143.68	0.32
446	1/5/2021 20:27	1/5/2021 20:27	0:00:00	33.99	161.20	420.97	33.99	161.20	420.97	-143.95	0.05
447	1/5/2021 20:28	1/5/2021 20:33	0:05:40	31.80	163.82	420.56	15.66	178.84	418.67	-141.95	2.05
448	1/5/2021 20:34	1/5/2021 20:37	0:03:10	13.66	-179.61	418.60	4.06	-172.59	418.87	-140.99	3.01
449	1/5/2021 20:38	1/5/2021 20:39	0:01:21	1.00	-170.43	419.17	-3.08	-167.56	419.74	-143.20	0.80
450	1/5/2021 20:41	1/5/2021 20:42	0:00:21	-9.17	-163.20	420.92	-10.18	-162.46	421.15	-143.00	1.00
451	1/5/2021 21:01	1/5/2021 21:02	0:00:20	-51.79	-87.06	436.51	-51.80	-85.07	436.52	-143.92	0.08
452	1/5/2021 21:02	1/5/2021 21:03	0:00:30	-51.74	-82.09	436.51	-51.60	-79.11	436.47	-143.11	0.89
453	1/5/2021 21:03	1/5/2021 21:04	0:00:11	-51.19	-74.22	436.33	-51.08	-73.25	436.29	-143.37	0.63
454	1/5/2021 21:04	1/5/2021 21:04	0:00:09	-50.71	-70.38	436.15	-50.57	-69.44	436.10	-143.17	0.83
455	1/5/2021 21:06	1/5/2021 21:06	0:00:30	-49.13	-62.11	435.56	-48.47	-59.49	435.30	-143.09	0.91
456	1/5/2021 21:09	1/5/2021 21:09	0:00:10	-44.26	-47.52	433.65	-43.94	-46.79	433.52	-143.81	0.19
457	1/5/2021 21:09	1/5/2021 21:11	0:01:31	-42.93	-44.65	433.12	-39.64	-38.68	431.80	-143.10	0.90
458	1/5/2021 21:12	1/5/2021 21:13	0:01:09	-37.67	-35.62	431.01	-34.78	-31.62	429.85	-143.55	0.45
459	1/5/2021 21:14	1/5/2021 21:19	0:05:39	-33.06	-29.47	429.18	-17.11	-14.12	423.61	-141.87	2.13
460	1/5/2021 21:20	1/5/2021 21:20	0:00:00	-14.13	-11.78	422.76	-14.13	-11.78	422.76	-143.86	0.14
461	1/5/2021 21:21	1/5/2021 21:23	0:02:10	-11.63	-9.89	422.12	-5.05	-5.11	420.71	-141.92	2.08
462	1/5/2021 21:24	1/5/2021 21:26	0:01:29	-1.49	-2.59	420.14	3.10	0.64	419.60	-143.14	0.86
463	1/5/2021 21:28	1/5/2021 21:29	0:01:10	8.18	4.27	419.26	11.71	6.87	419.19	-142.50	1.50
464	1/5/2021 21:29	1/5/2021 21:29	0:00:09	13.22	8.00	419.20	13.72	8.38	419.21	-143.81	0.19
465	1/5/2021 21:35	1/5/2021 21:35	0:00:29	29.14	21.98	420.61	30.50	23.45	420.82	-143.32	0.68
466	1/5/2021 21:36	1/5/2021 21:36	0:00:29	32.73	25.99	421.19	34.03	27.59	421.42	-143.51	0.49
467	1/5/2021 21:38	1/5/2021 21:39	0:00:50	38.18	33.30	422.21	40.13	36.41	422.61	-143.24	0.76
468	1/5/2021 21:42	1/5/2021 21:42	0:00:11	45.62	47.70	423.77	45.92	48.48	423.83	-143.74	0.26
469	1/5/2021 21:43	1/5/2021 21:44	0:00:31	47.83	54.17	424.24	48.56	56.73	424.40	-143.25	0.75
470	1/5/2021 21:46	1/5/2021 21:46	0:00:09	50.89	68.65	424.89	51.02	69.61	424.91	-143.58	0.42
471	1/5/2021 21:46	1/5/2021 21:51	0:04:31	51.33	72.53	424.97	50.51	99.12	424.68	-143.39	0.61
472	1/5/2021 21:52	1/5/2021 21:53	0:01:11	49.05	106.45	424.32	47.38	112.45	423.91	-143.61	0.39
473	1/5/2021 21:54	1/5/2021 21:56	0:02:30	46.56	114.89	423.71	41.70	125.94	422.57	-142.99	1.01
474	1/5/2021 21:57	1/5/2021 21:59	0:01:20	39.83	129.22	422.16	36.65	134.07	421.48	-143.64	0.36
475	1/5/2021 21:59	1/5/2021 22:00	0:00:11	34.12	137.42	420.97	33.69	137.96	420.89	-143.96	0.04
476	1/5/2021 22:01	1/5/2021 22:06	0:05:39	31.49	140.57	420.48	15.31	155.51	418.63	-142.04	1.96
477	1/5/2021 22:07	1/5/2021 22:10	0:03:09	13.32	157.05	418.57	3.71	164.05	418.88	-140.82	3.18
478	1/5/2021 22:11	1/5/2021 22:12	0:01:21	0.65	166.21	419.20	-3.43	169.08	419.77	-143.23	0.77
479	1/5/2021 22:14	1/5/2021 22:15	0:00:29	-9.01	173.08	420.86	-10.52	174.19	421.21	-143.05	0.95
480	1/5/2021 22:34	1/5/2021 22:35	0:00:20	-51.80	-109.98	436.47	-51.79	-107.99	436.48	-143.90	0.10

Table 7 Berthed GN 6Mbps (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)
481	1/5/2021 22:35	1/5/2021 22:35	0:00:20	-51.72	-105.01	436.46	-51.62	-103.03	436.43	-142.93	1.07
482	1/5/2021 22:36	1/5/2021 22:37	0:00:50	-51.12	-97.16	436.25	-50.46	-92.39	436.01	-143.49	0.51
483	1/5/2021 22:39	1/5/2021 22:39	0:00:19	-48.99	-85.11	435.46	-48.54	-83.36	435.29	-143.14	0.86
484	1/5/2021 22:42	1/5/2021 22:42	0:00:00	-44.04	-70.62	433.52	-44.04	-70.62	433.52	-143.87	0.13
485	1/5/2021 22:42	1/5/2021 22:44	0:01:20	-42.69	-67.78	432.98	-39.76	-62.48	431.80	-143.02	0.98
486	1/5/2021 22:45	1/5/2021 22:46	0:01:09	-37.40	-58.81	430.86	-34.49	-54.85	429.70	-143.56	0.44
487	1/5/2021 22:46	1/5/2021 22:52	0:05:40	-32.76	-52.72	429.02	-16.77	-37.45	423.47	-141.95	2.05
488	1/5/2021 22:53	1/5/2021 22:53	0:00:00	-13.79	-35.12	422.63	-13.79	-35.12	422.63	-143.73	0.27
489	1/5/2021 22:54	1/5/2021 22:56	0:02:10	-11.28	-33.23	422.00	-4.70	-28.47	420.62	-142.08	1.92
490	1/5/2021 22:57	1/5/2021 22:59	0:01:20	-1.14	-25.95	420.06	2.94	-23.08	419.58	-143.12	0.88
491	1/5/2021 23:00	1/5/2021 23:02	0:01:11	8.53	-19.08	419.23	12.06	-16.48	419.17	-142.37	1.63
492	1/5/2021 23:02	1/5/2021 23:02	0:00:09	13.56	-15.34	419.19	14.06	-14.96	419.20	-143.60	0.40
493	1/5/2021 23:08	1/5/2021 23:08	0:00:29	29.46	-1.29	420.65	30.81	0.19	420.86	-143.24	0.76
494	1/5/2021 23:09	1/5/2021 23:09	0:00:21	33.03	2.75	421.24	33.90	3.82	421.40	-143.79	0.21
495	1/5/2021 23:11	1/5/2021 23:12	0:00:50	38.06	9.51	422.19	40.01	12.61	422.59	-143.36	0.64
496	1/5/2021 23:15	1/5/2021 23:15	0:00:00	45.83	24.63	423.82	45.83	24.63	423.82	-143.81	0.19
497	1/5/2021 23:16	1/5/2021 23:17	0:00:41	47.76	30.30	424.24	48.71	33.73	424.45	-143.09	0.91
498	1/5/2021 23:19	1/5/2021 23:19	0:00:09	50.98	45.71	424.92	51.10	46.68	424.94	-143.82	0.18
499	1/5/2021 23:19	1/5/2021 23:24	0:04:21	51.40	49.60	425.00	50.56	75.23	424.71	-143.37	0.63
500	1/5/2021 23:25	1/5/2021 23:29	0:04:10	49.11	82.57	424.35	41.81	102.13	422.62	-142.84	1.16
501	1/5/2021 23:30	1/5/2021 23:31	0:00:29	39.57	106.05	422.12	38.39	107.90	421.86	-143.64	0.36
502	1/5/2021 23:31	1/5/2021 23:31	0:00:20	37.19	109.70	421.61	36.36	110.86	421.44	-143.70	0.30
503	1/5/2021 23:32	1/5/2021 23:33	0:00:11	33.83	114.19	420.93	33.39	114.73	420.85	-143.94	0.06
504	1/5/2021 23:34	1/5/2021 23:34	0:00:00	31.19	117.31	420.45	31.19	117.31	420.45	-143.93	0.07
505	1/5/2021 23:34	1/5/2021 23:34	0:00:09	29.84	118.80	420.22	29.38	119.29	420.14	-143.79	0.21
506	1/5/2021 23:35	1/5/2021 23:39	0:04:19	27.54	121.19	419.85	14.97	132.17	418.64	-141.96	2.04
507	1/5/2021 23:40	1/5/2021 23:43	0:03:09	12.97	133.70	418.59	3.36	140.70	418.93	-140.67	3.33
508	1/5/2021 23:44	1/5/2021 23:45	0:01:21	0.30	142.85	419.25	-3.78	145.73	419.84	-143.24	0.76
509	1/5/2021 23:47	1/5/2021 23:48	0:00:29	-9.36	149.73	420.93	-10.87	150.85	421.29	-143.10	0.90
510	1/6/2021 0:07	1/6/2021 0:08	0:00:11	-51.80	-132.90	436.37	-51.80	-131.90	436.37	-143.91	0.09
511	1/6/2021 0:08	1/6/2021 0:08	0:00:30	-51.73	-128.92	436.35	-51.58	-125.95	436.30	-143.17	0.83
512	1/6/2021 0:09	1/6/2021 0:10	0:00:50	-51.15	-121.06	436.15	-50.51	-116.29	435.92	-143.30	0.70
513	1/6/2021 0:11	1/6/2021 0:12	0:00:30	-49.05	-108.99	435.37	-48.38	-106.37	435.11	-143.02	0.98
514	1/6/2021 0:13	1/6/2021 0:13	0:00:00	-47.65	-103.83	434.83	-47.65	-103.83	434.83	-144.00	0.00
515	1/6/2021 0:15	1/6/2021 0:15	0:00:00	-43.81	-93.72	433.32	-43.81	-93.72	433.32	-143.93	0.07
516	1/6/2021 0:15	1/6/2021 0:17	0:01:20	-42.45	-90.90	432.77	-39.50	-85.64	431.59	-143.09	0.91
517	1/6/2021 0:17	1/6/2021 0:19	0:01:21	-37.52	-82.60	430.80	-34.19	-78.08	429.49	-143.52	0.48
518	1/6/2021 0:19	1/6/2021 0:25	0:05:49	-32.89	-76.48	428.98	-16.42	-60.78	423.30	-141.97	2.03
519	1/6/2021 0:26	1/6/2021 0:26	0:00:00	-13.44	-58.46	422.48	-13.44	-58.46	422.48	-143.62	0.38
520	1/6/2021 0:27	1/6/2021 0:29	0:02:10	-10.93	-56.58	421.85	-4.35	-51.82	420.51	-142.21	1.79
521	1/6/2021 0:30	1/6/2021 0:32	0:01:20	-0.78	-49.30	419.96	3.29	-46.43	419.51	-143.04	0.96
522	1/6/2021 0:33	1/6/2021 0:35	0:01:11	8.88	-42.43	419.19	12.41	-39.82	419.16	-142.21	1.79
523	1/6/2021 0:35	1/6/2021 0:36	0:00:21	13.91	-38.68	419.18	14.91	-37.91	419.21	-143.36	0.64
524	1/6/2021 0:39	1/6/2021 0:40	0:00:21	26.54	-27.87	420.25	27.48	-26.94	420.38	-143.79	0.21
525	1/6/2021 0:41	1/6/2021 0:41	0:00:39	29.32	-25.04	420.65	31.13	-23.07	420.95	-143.11	0.89
526	1/6/2021 0:44	1/6/2021 0:45	0:00:51	37.54	-14.88	422.14	39.51	-11.82	422.54	-143.38	0.62
527	1/6/2021 0:47	1/6/2021 0:47	0:00:00	45.74	0.79	423.88	45.74	0.79	423.88	-143.69	0.31
528	1/6/2021 0:49	1/6/2021 0:50	0:00:41	47.93	7.28	424.36	48.87	10.73	424.56	-143.22	0.78
529	1/6/2021 0:52	1/6/2021 0:52	0:00:00	51.06	22.77	425.03	51.06	22.77	425.03	-143.86	0.14
530	1/6/2021 0:52	1/6/2021 0:57	0:04:31	51.37	25.70	425.09	50.45	52.28	424.78	-143.34	0.66
531	1/6/2021 0:58	1/6/2021 0:59	0:01:10	48.97	59.58	424.41	47.28	65.56	424.00	-143.62	0.38
532	1/6/2021 1:00	1/6/2021 1:02	0:02:30	46.45	67.99	423.80	41.56	78.99	422.64	-142.99	1.01
533	1/6/2021 1:03	1/6/2021 1:04	0:00:39	39.69	82.25	422.22	38.12	84.72	421.88	-143.59	0.41
534	1/6/2021 1:04	1/6/2021 1:04	0:00:20	36.90	86.50	421.62	36.08	87.65	421.45	-143.69	0.31
535	1/6/2021 1:05	1/6/2021 1:06	0:00:11	33.53	90.96	420.95	33.09	91.49	420.86	-143.94	0.06
536	1/6/2021 1:07	1/6/2021 1:07	0:00:00	30.88	94.06	420.46	30.88	94.06	420.46	-143.93	0.07
537	1/6/2021 1:07	1/6/2021 1:07	0:00:09	29.52	95.54	420.23	29.06	96.02	420.15	-143.81	0.19
538	1/6/2021 1:08	1/6/2021 1:12	0:04:19	27.22	97.91	419.86	14.63	108.83	418.67	-141.86	2.14
539	1/6/2021 1:13	1/6/2021 1:16	0:03:20	12.63	110.36	418.62	2.50	117.70	419.04	-140.72	3.28
540	1/6/2021 1:17	1/6/2021 1:18	0:01:29	-0.05	119.50	419.32	-4.64	122.73	420.01	-143.23	0.77

Table 7 Berthed GN 6Mbps (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)
541	1/6/2021 1:20	1/6/2021 1:21	0:00:30	-9.70	126.38	421.03	-11.22	127.50	421.38	-143.16	0.84
542	1/6/2021 1:40	1/6/2021 1:41	0:00:11	-51.80	-155.81	436.36	-51.79	-154.82	436.36	-143.94	0.06
543	1/6/2021 1:41	1/6/2021 1:41	0:00:30	-51.70	-151.84	436.34	-51.53	-148.87	436.28	-142.98	1.02
544	1/6/2021 1:42	1/6/2021 1:43	0:00:20	-51.18	-144.96	436.16	-50.96	-143.04	436.08	-143.46	0.54
545	1/6/2021 1:43	1/6/2021 1:43	0:00:09	-50.55	-140.18	435.93	-50.40	-139.24	435.88	-143.68	0.32
546	1/6/2021 1:44	1/6/2021 1:45	0:00:20	-48.90	-131.98	435.31	-48.45	-130.24	435.14	-143.07	0.93
547	1/6/2021 1:47	1/6/2021 1:48	0:00:11	-43.91	-117.55	433.37	-43.58	-116.83	433.23	-143.86	0.14
548	1/6/2021 1:48	1/6/2021 1:50	0:01:20	-42.20	-114.03	432.68	-39.23	-108.82	431.50	-143.18	0.82
549	1/6/2021 1:50	1/6/2021 1:52	0:01:21	-37.24	-105.80	430.71	-33.89	-101.31	429.39	-143.50	0.50
550	1/6/2021 1:52	1/6/2021 1:58	0:05:50	-32.59	-99.73	428.89	-16.08	-84.12	423.25	-142.10	1.90
551	1/6/2021 1:59	1/6/2021 1:59	0:00:00	-13.09	-81.81	422.44	-13.09	-81.81	422.44	-143.53	0.47
552	1/6/2021 2:00	1/6/2021 2:02	0:02:10	-10.58	-79.93	421.83	-4.00	-75.18	420.51	-142.34	1.66
553	1/6/2021 2:03	1/6/2021 2:05	0:01:20	-0.43	-72.66	419.98	3.64	-69.79	419.55	-142.95	1.05
554	1/6/2021 2:06	1/6/2021 2:08	0:01:11	9.23	-65.78	419.25	12.75	-63.16	419.23	-142.05	1.95
555	1/6/2021 2:08	1/6/2021 2:09	0:00:21	14.25	-62.02	419.27	15.25	-61.24	419.30	-143.10	0.90
556	1/6/2021 2:12	1/6/2021 2:13	0:00:20	26.87	-51.16	420.37	27.80	-50.23	420.50	-143.36	0.64
557	1/6/2021 2:14	1/6/2021 2:14	0:00:30	29.63	-48.31	420.78	30.99	-46.83	421.01	-143.04	0.96
558	1/6/2021 2:17	1/6/2021 2:17	0:00:50	37.81	-38.07	422.28	39.78	-34.99	422.68	-143.37	0.63
559	1/6/2021 2:22	1/6/2021 2:23	0:00:50	47.85	-16.59	424.43	49.02	-12.26	424.68	-143.27	0.73
560	1/6/2021 2:25	1/6/2021 2:30	0:04:31	51.42	2.77	425.18	50.34	29.31	424.83	-143.29	0.71
561	1/6/2021 2:31	1/6/2021 2:32	0:01:21	49.03	35.70	424.49	47.09	42.51	424.01	-143.61	0.39
562	1/6/2021 2:33	1/6/2021 2:35	0:02:30	46.25	44.93	423.81	41.31	55.84	422.63	-143.16	0.84
563	1/6/2021 2:36	1/6/2021 2:37	0:01:29	39.42	59.07	422.20	35.79	64.43	421.42	-143.59	0.41
564	1/6/2021 2:39	1/6/2021 2:39	0:00:00	33.23	67.71	420.91	33.23	67.71	420.91	-143.95	0.05
565	1/6/2021 2:40	1/6/2021 2:40	0:00:00	30.57	70.79	420.42	30.57	70.79	420.42	-143.97	0.03
566	1/6/2021 2:40	1/6/2021 2:40	0:00:10	29.21	72.26	420.18	28.75	72.74	420.11	-143.88	0.12
567	1/6/2021 2:41	1/6/2021 2:45	0:04:11	26.90	74.62	419.82	14.78	85.10	418.65	-141.83	2.17
568	1/6/2021 2:46	1/6/2021 2:49	0:03:31	12.78	86.64	418.59	2.15	94.34	419.03	-141.11	2.89
569	1/6/2021 2:50	1/6/2021 2:51	0:01:29	-0.40	96.14	419.32	-4.98	99.37	420.02	-143.22	0.78
570	1/6/2021 2:53	1/6/2021 2:54	0:00:30	-10.05	103.03	421.07	-11.56	104.15	421.43	-143.27	0.73
571	1/6/2021 3:13	1/6/2021 3:14	0:00:10	-51.79	-178.74	436.48	-51.77	-177.74	436.47	-143.96	0.04
572	1/6/2021 3:14	1/6/2021 3:14	0:00:30	-51.67	-174.76	436.45	-51.48	-171.80	436.39	-143.20	0.80
573	1/6/2021 3:15	1/6/2021 3:16	0:00:20	-51.11	-167.91	436.26	-50.87	-165.99	436.18	-143.62	0.38
574	1/6/2021 3:16	1/6/2021 3:16	0:00:00	-50.45	-163.15	436.03	-50.45	-163.15	436.03	-143.88	0.12
575	1/6/2021 3:17	1/6/2021 3:18	0:00:20	-48.75	-154.99	435.40	-48.29	-153.26	435.23	-143.09	0.91
576	1/6/2021 3:19	1/6/2021 3:19	0:00:00	-45.89	-145.91	434.31	-45.89	-145.91	434.31	-143.87	0.13
577	1/6/2021 3:20	1/6/2021 3:20	0:00:00	-43.68	-140.67	433.44	-43.68	-140.67	433.44	-143.89	0.11
578	1/6/2021 3:21	1/6/2021 3:22	0:01:20	-42.31	-137.86	432.90	-39.35	-132.62	431.72	-143.09	0.91
579	1/6/2021 3:24	1/6/2021 3:25	0:01:09	-36.96	-129.01	430.78	-34.03	-125.09	429.62	-143.55	0.45
580	1/6/2021 3:25	1/6/2021 3:31	0:05:50	-32.29	-122.98	428.95	-15.74	-107.46	423.33	-142.03	1.97
581	1/6/2021 3:32	1/6/2021 3:32	0:00:10	-13.25	-105.54	422.66	-12.75	-105.16	422.53	-143.53	0.47
582	1/6/2021 3:33	1/6/2021 3:35	0:02:00	-10.24	-103.28	421.92	-4.16	-98.90	420.70	-142.36	1.64
583	1/6/2021 3:36	1/6/2021 3:38	0:01:31	-0.59	-96.38	420.16	3.99	-93.15	419.67	-142.86	1.14
584	1/6/2021 3:39	1/6/2021 3:41	0:01:11	9.57	-89.14	419.38	13.09	-86.51	419.37	-141.92	2.08
585	1/6/2021 3:41	1/6/2021 3:42	0:00:21	14.59	-85.36	419.40	15.59	-84.59	419.43	-143.00	1.00
586	1/6/2021 3:45	1/6/2021 3:46	0:00:20	27.18	-74.45	420.49	28.11	-73.51	420.62	-143.38	0.62
587	1/6/2021 3:47	1/6/2021 3:47	0:00:30	29.94	-71.59	420.89	31.29	-70.09	421.11	-143.07	0.93
588	1/6/2021 3:50	1/6/2021 3:50	0:00:50	37.68	-61.87	422.28	39.65	-58.80	422.67	-143.36	0.64
589	1/6/2021 3:55	1/6/2021 3:55	0:00:39	48.02	-39.62	424.44	48.94	-36.16	424.63	-143.18	0.82
590	1/6/2021 3:58	1/6/2021 4:00	0:01:51	51.48	-20.17	425.13	51.77	-9.22	425.14	-143.58	0.42
591	1/6/2021 4:01	1/6/2021 4:02	0:01:59	51.65	-6.23	425.10	50.39	5.41	424.74	-143.17	0.83
592	1/6/2021 4:04	1/6/2021 4:08	0:04:09	48.88	12.69	424.35	41.42	32.02	422.53	-142.95	1.05
593	1/6/2021 4:09	1/6/2021 4:10	0:01:20	39.15	35.89	422.01	35.92	40.64	421.31	-143.60	0.40
594	1/6/2021 4:11	1/6/2021 4:12	0:00:11	33.36	43.94	420.79	32.93	44.47	420.71	-143.95	0.05
595	1/6/2021 4:13	1/6/2021 4:13	0:00:11	28.89	48.98	419.98	28.44	49.46	419.91	-143.93	0.07
596	1/6/2021 4:14	1/6/2021 4:18	0:04:20	27.05	50.87	419.69	14.44	61.76	418.48	-141.85	2.15
597	1/6/2021 4:19	1/6/2021 4:22	0:03:30	12.44	63.29	418.43	1.80	70.98	418.91	-141.36	2.64
598	1/6/2021 4:23	1/6/2021 4:24	0:01:29	-0.75	72.78	419.22	-5.33	76.02	419.95	-143.21	0.79
599	1/6/2021 4:26	1/6/2021 4:27	0:00:30	-10.40	79.68	421.02	-11.90	80.80	421.39	-143.39	0.61
600	1/6/2021 4:46	1/6/2021 4:47	0:01:09	-51.78	158.34	436.59	-51.43	165.26	436.50	-143.38	0.62

Table 7 Berthed GN 6Mbps (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)
601	1/6/2021 4:48	1/6/2021 4:49	0:00:30	-51.14	168.18	436.41	-50.78	171.06	436.29	-143.61	0.39
602	1/6/2021 4:49	1/6/2021 4:49	0:00:00	-50.34	173.89	436.14	-50.34	173.89	436.14	-143.93	0.07
603	1/6/2021 4:50	1/6/2021 4:51	0:00:30	-48.82	-178.87	435.59	-48.13	-176.29	435.33	-143.07	0.93
604	1/6/2021 4:51	1/6/2021 4:51	0:00:00	-47.37	-173.77	435.04	-47.37	-173.77	435.04	-143.97	0.03
605	1/6/2021 4:52	1/6/2021 4:52	0:00:00	-45.69	-168.98	434.40	-45.69	-168.98	434.40	-143.63	0.37
606	1/6/2021 4:54	1/6/2021 4:54	0:00:00	-43.46	-163.78	433.53	-43.46	-163.78	433.53	-143.96	0.04
607	1/6/2021 4:54	1/6/2021 4:55	0:01:20	-42.07	-161.00	432.99	-39.08	-155.81	431.81	-143.11	0.89
608	1/6/2021 4:57	1/6/2021 4:58	0:01:09	-36.68	-152.22	430.86	-33.73	-148.33	429.71	-143.57	0.43
609	1/6/2021 4:58	1/6/2021 5:04	0:05:39	-31.99	-146.24	429.03	-15.90	-131.19	423.57	-142.01	1.99
610	1/6/2021 5:05	1/6/2021 5:05	0:00:09	-12.91	-128.88	422.76	-12.41	-128.50	422.63	-143.59	0.41
611	1/6/2021 5:06	1/6/2021 5:08	0:02:00	-9.90	-126.64	422.02	-3.81	-122.26	420.81	-142.38	1.62
612	1/6/2021 5:09	1/6/2021 5:11	0:01:31	-0.25	-119.74	420.28	4.33	-116.51	419.79	-142.76	1.24
613	1/6/2021 5:12	1/6/2021 5:14	0:01:19	9.41	-112.86	419.52	13.43	-109.86	419.49	-141.82	2.18
614	1/6/2021 5:14	1/6/2021 5:15	0:00:21	14.93	-108.71	419.53	15.92	-107.93	419.56	-143.14	0.86
615	1/6/2021 5:18	1/6/2021 5:19	0:00:20	27.49	-97.74	420.60	28.42	-96.80	420.73	-143.40	0.60
616	1/6/2021 5:19	1/6/2021 5:20	0:00:41	29.79	-95.35	420.93	31.59	-93.36	421.21	-143.10	0.90
617	1/6/2021 5:23	1/6/2021 5:23	0:00:50	37.95	-85.07	422.35	39.91	-81.98	422.73	-143.31	0.69
618	1/6/2021 5:28	1/6/2021 5:28	0:00:50	47.94	-63.50	424.37	49.09	-59.17	424.60	-143.35	0.65
619	1/6/2021 5:31	1/6/2021 5:33	0:01:51	51.53	-43.12	425.05	51.75	-32.15	425.03	-143.57	0.43
620	1/6/2021 5:34	1/6/2021 5:35	0:01:59	51.61	-29.17	424.98	50.28	-17.57	424.59	-143.11	0.89
621	1/6/2021 5:37	1/6/2021 5:38	0:01:20	48.95	-11.20	424.23	46.99	-4.41	423.73	-143.61	0.39
622	1/6/2021 5:39	1/6/2021 5:41	0:02:29	46.15	-2.00	423.52	41.17	8.87	422.31	-142.95	1.05
623	1/6/2021 5:42	1/6/2021 5:43	0:01:31	39.28	12.08	421.87	35.64	17.42	421.08	-143.54	0.46
624	1/6/2021 5:44	1/6/2021 5:45	0:00:11	33.07	20.69	420.56	32.63	21.21	420.48	-143.95	0.05
625	1/6/2021 5:46	1/6/2021 5:46	0:00:00	28.58	25.70	419.76	28.58	25.70	419.76	-143.88	0.12
626	1/6/2021 5:47	1/6/2021 5:51	0:04:10	26.73	27.57	419.47	14.60	38.03	418.32	-141.84	2.16
627	1/6/2021 5:52	1/6/2021 5:55	0:03:30	12.10	39.94	418.26	1.45	47.62	418.79	-141.56	2.44
628	1/6/2021 5:56	1/6/2021 5:57	0:01:29	-1.10	49.41	419.11	-5.68	52.66	419.86	-143.20	0.80
629	1/6/2021 5:59	1/6/2021 6:00	0:00:39	-10.24	55.96	420.84	-12.25	57.45	421.34	-143.49	0.51
630	1/6/2021 6:16	1/6/2021 6:16	0:00:00	-50.87	118.68	436.07	-50.87	118.68	436.07	-143.98	0.02
631	1/6/2021 6:19	1/6/2021 6:20	0:01:09	-51.77	135.41	436.54	-51.37	142.33	436.44	-143.41	0.59
632	1/6/2021 6:21	1/6/2021 6:22	0:00:39	-51.07	145.24	436.35	-50.55	149.05	436.17	-143.53	0.47
633	1/6/2021 6:23	1/6/2021 6:24	0:00:30	-48.89	157.25	435.59	-48.21	159.84	435.33	-143.06	0.94
634	1/6/2021 6:25	1/6/2021 6:25	0:00:11	-45.78	167.17	434.42	-45.48	167.94	434.31	-143.51	0.49
635	1/6/2021 6:26	1/6/2021 6:26	0:00:00	-43.56	172.39	433.56	-43.56	172.39	433.56	-143.88	0.12
636	1/6/2021 6:27	1/6/2021 6:28	0:01:20	-41.83	175.86	432.89	-38.82	-178.99	431.71	-143.22	0.78
637	1/6/2021 6:29	1/6/2021 6:31	0:01:20	-36.81	-176.00	430.92	-33.44	-171.57	429.61	-143.53	0.47
638	1/6/2021 6:31	1/6/2021 6:37	0:05:49	-32.13	-170.00	429.11	-15.56	-154.53	423.51	-142.02	1.98
639	1/6/2021 6:38	1/6/2021 6:38	0:00:09	-12.57	-152.23	422.71	-12.07	-151.85	422.58	-143.70	0.30
640	1/6/2021 6:39	1/6/2021 6:41	0:02:01	-9.55	-149.99	421.99	-3.47	-145.62	420.80	-142.42	1.58
641	1/6/2021 6:42	1/6/2021 6:44	0:01:30	0.10	-143.10	420.28	4.68	-139.87	419.82	-142.66	1.34
642	1/6/2021 6:45	1/6/2021 6:47	0:02:09	9.75	-136.21	419.56	16.26	-131.27	419.62	-141.72	2.28
643	1/6/2021 6:51	1/6/2021 6:52	0:00:20	27.81	-121.03	420.69	28.73	-120.08	420.82	-143.37	0.63
644	1/6/2021 6:52	1/6/2021 6:53	0:00:40	30.10	-118.62	421.02	31.89	-116.61	421.30	-143.08	0.92
645	1/6/2021 6:56	1/6/2021 6:56	0:00:59	38.23	-108.27	422.44	40.55	-104.50	422.89	-143.28	0.72
646	1/6/2021 7:00	1/6/2021 7:01	0:00:50	47.86	-87.37	424.38	49.02	-83.05	424.61	-143.62	0.38
647	1/6/2021 7:04	1/6/2021 7:08	0:04:10	51.58	-66.05	425.07	50.34	-41.47	424.61	-142.89	1.11
648	1/6/2021 7:10	1/6/2021 7:11	0:01:19	49.02	-35.09	424.26	47.08	-28.27	423.75	-143.60	0.40
649	1/6/2021 7:12	1/6/2021 7:12	0:00:39	45.95	-25.07	423.47	44.72	-22.01	423.16	-143.11	0.89
650	1/6/2021 7:13	1/6/2021 7:14	0:01:20	43.75	-19.80	422.92	40.92	-14.29	422.24	-143.52	0.48
651	1/6/2021 7:15	1/6/2021 7:16	0:01:31	39.02	-11.09	421.80	35.35	-5.80	421.00	-143.61	0.39
652	1/6/2021 7:17	1/6/2021 7:18	0:00:11	32.77	-2.55	420.48	32.33	-2.03	420.40	-143.93	0.07
653	1/6/2021 7:19	1/6/2021 7:19	0:00:00	28.27	2.42	419.68	28.27	2.42	419.68	-143.81	0.19
654	1/6/2021 7:20	1/6/2021 7:24	0:04:10	26.41	4.28	419.39	14.26	14.69	418.26	-141.68	2.32
655	1/6/2021 7:25	1/6/2021 7:28	0:03:30	11.76	16.59	418.21	1.10	24.26	418.77	-141.84	2.16
656	1/6/2021 7:29	1/6/2021 7:30	0:01:29	-1.44	26.06	419.10	-6.03	29.30	419.87	-143.19	0.81
657	1/6/2021 7:32	1/6/2021 7:33	0:00:39	-10.58	32.61	420.86	-12.59	34.11	421.36	-143.57	0.43
658	1/6/2021 7:52	1/6/2021 7:55	0:02:30	-51.77	111.50	436.44	-50.44	126.09	436.03	-143.33	0.67
659	1/6/2021 7:56	1/6/2021 7:56	0:00:00	-49.38	131.59	435.66	-49.38	131.59	435.66	-143.98	0.02
660	1/6/2021 7:56	1/6/2021 7:57	0:00:30	-48.74	134.24	435.43	-48.04	136.82	435.17	-143.02	0.98

Table 7 Berthed GN 6Mbps (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)
661	1/6/2021 7:57	1/6/2021 7:57	0:00:00	-47.28	139.33	434.88	-47.28	139.33	434.88	-143.98	0.02
662	1/6/2021 7:58	1/6/2021 7:58	0:00:10	-45.58	144.10	434.24	-45.27	144.86	434.12	-142.84	1.16
663	1/6/2021 7:59	1/6/2021 7:59	0:00:00	-43.33	149.28	433.37	-43.33	149.28	433.37	-143.99	0.01
664	1/6/2021 8:00	1/6/2021 8:01	0:00:30	-41.58	152.72	432.69	-40.47	154.69	432.26	-143.16	0.84
665	1/6/2021 8:01	1/6/2021 8:01	0:00:19	-39.33	156.60	431.81	-38.55	157.83	431.50	-143.82	0.18
666	1/6/2021 8:02	1/6/2021 8:04	0:01:21	-36.53	160.79	430.71	-33.14	165.19	429.40	-143.49	0.51
667	1/6/2021 8:04	1/6/2021 8:10	0:05:49	-31.83	166.75	428.90	-15.22	-177.86	423.35	-142.08	1.92
668	1/6/2021 8:11	1/6/2021 8:11	0:00:09	-12.23	-175.57	422.56	-11.72	-175.19	422.43	-143.56	0.44
669	1/6/2021 8:12	1/6/2021 8:14	0:02:01	-9.20	-173.33	421.85	-3.12	-168.97	420.69	-142.34	1.66
670	1/6/2021 8:15	1/6/2021 8:17	0:01:29	0.45	-166.46	420.19	5.03	-163.22	419.75	-142.60	1.40
671	1/6/2021 8:18	1/6/2021 8:20	0:02:10	10.10	-159.56	419.52	16.60	-154.60	419.61	-141.59	2.41
672	1/6/2021 8:22	1/6/2021 8:22	0:00:00	21.99	-150.11	419.99	21.99	-150.11	419.99	-143.88	0.12
673	1/6/2021 8:24	1/6/2021 8:24	0:00:00	25.80	-146.61	420.40	25.80	-146.61	420.40	-143.96	0.04
674	1/6/2021 8:24	1/6/2021 8:25	0:00:21	27.67	-144.78	420.65	28.59	-143.83	420.78	-143.39	0.61
675	1/6/2021 8:25	1/6/2021 8:26	0:00:51	30.41	-141.89	421.05	32.64	-139.34	421.41	-143.11	0.89
676	1/6/2021 8:29	1/6/2021 8:29	0:00:59	38.50	-131.45	422.48	40.81	-127.66	422.94	-143.31	0.69
677	1/6/2021 8:33	1/6/2021 8:33	0:00:00	48.03	-110.39	424.41	48.03	-110.39	424.41	-143.67	0.33
678	1/6/2021 8:34	1/6/2021 8:34	0:00:09	48.96	-106.93	424.60	49.17	-106.04	424.64	-143.82	0.18
679	1/6/2021 8:37	1/6/2021 8:39	0:01:40	51.62	-88.97	425.07	51.74	-78.99	425.03	-143.67	0.33
680	1/6/2021 8:39	1/6/2021 8:41	0:01:59	51.60	-76.01	424.98	50.23	-64.43	424.58	-142.77	1.23
681	1/6/2021 8:42	1/6/2021 8:44	0:01:29	49.09	-58.97	424.28	46.89	-51.31	423.71	-143.60	0.40
682	1/6/2021 8:45	1/6/2021 8:45	0:00:30	45.75	-48.13	423.42	44.82	-45.84	423.20	-142.96	1.04
683	1/6/2021 8:46	1/6/2021 8:47	0:01:21	43.52	-42.91	422.88	40.67	-37.44	422.20	-143.53	0.47
684	1/6/2021 8:48	1/6/2021 8:49	0:01:40	39.14	-34.89	421.85	35.06	-29.02	420.97	-143.62	0.38
685	1/6/2021 8:50	1/6/2021 8:51	0:00:11	32.47	-25.80	420.45	32.03	-25.28	420.37	-143.94	0.06
686	1/6/2021 8:52	1/6/2021 8:52	0:00:00	27.95	-20.85	419.66	27.95	-20.85	419.66	-143.80	0.20
687	1/6/2021 8:53	1/6/2021 8:57	0:04:10	26.09	-19.00	419.38	13.92	-8.65	418.29	-141.62	2.38
688	1/6/2021 8:58	1/6/2021 9:01	0:03:30	11.41	-6.75	418.24	0.75	0.91	418.85	-141.94	2.06
689	1/6/2021 9:02	1/6/2021 9:03	0:01:29	-1.80	2.70	419.18	-6.37	5.95	419.96	-143.18	0.82
690	1/6/2021 9:05	1/6/2021 9:06	0:00:40	-10.93	9.26	420.96	-12.93	10.77	421.47	-143.60	0.40
691	1/6/2021 9:22	1/6/2021 9:22	0:00:00	-50.92	71.83	435.97	-50.92	71.83	435.97	-143.82	0.18
692	1/6/2021 9:25	1/6/2021 9:28	0:02:30	-51.76	88.58	436.41	-50.34	103.13	435.95	-143.04	0.96
693	1/6/2021 9:29	1/6/2021 9:30	0:01:10	-48.81	110.37	435.40	-47.09	116.29	434.76	-142.97	1.03
694	1/6/2021 9:31	1/6/2021 9:31	0:00:21	-45.67	120.26	434.22	-45.06	121.78	433.98	-142.64	1.36
695	1/6/2021 9:33	1/6/2021 9:34	0:01:19	-41.69	128.91	432.67	-38.67	134.04	431.48	-143.13	0.87
696	1/6/2021 9:35	1/6/2021 9:37	0:01:21	-36.25	137.58	430.54	-32.84	141.95	429.22	-143.53	0.47
697	1/6/2021 9:37	1/6/2021 9:43	0:05:49	-31.52	143.50	428.72	-14.88	158.80	423.20	-142.11	1.89
698	1/6/2021 9:44	1/6/2021 9:44	0:00:09	-11.88	161.09	422.42	-11.38	161.46	422.30	-143.45	0.55
699	1/6/2021 9:45	1/6/2021 9:47	0:02:01	-8.86	163.32	421.72	-2.76	167.67	420.59	-142.22	1.78
700	1/6/2021 9:48	1/6/2021 9:50	0:01:40	0.80	170.19	420.11	5.89	173.79	419.66	-142.64	1.36
701	1/6/2021 9:51	1/6/2021 9:53	0:02:10	10.45	177.09	419.48	16.95	-177.93	419.60	-141.45	2.55
702	1/6/2021 9:55	1/6/2021 9:56	0:00:11	22.32	-173.42	420.01	22.80	-172.99	420.06	-143.81	0.19
703	1/6/2021 9:57	1/6/2021 9:57	0:00:09	26.13	-169.90	420.44	26.59	-169.45	420.50	-143.92	0.08
704	1/6/2021 9:57	1/6/2021 9:58	0:00:20	27.99	-168.05	420.69	28.91	-167.10	420.83	-143.47	0.53
705	1/6/2021 9:58	1/6/2021 9:59	0:01:00	30.72	-165.15	421.11	33.38	-162.06	421.55	-143.24	0.76
706	1/6/2021 10:01	1/6/2021 10:02	0:01:09	38.38	-155.24	422.48	41.06	-150.81	423.02	-143.31	0.69
707	1/6/2021 10:05	1/6/2021 10:05	0:00:00	45.46	-141.53	423.93	45.46	-141.53	423.93	-143.97	0.03
708	1/6/2021 10:06	1/6/2021 10:06	0:00:00	47.96	-134.26	424.44	47.96	-134.26	424.44	-143.53	0.47
709	1/6/2021 10:07	1/6/2021 10:07	0:00:00	49.11	-129.92	424.67	49.11	-129.92	424.67	-143.85	0.15
710	1/6/2021 10:10	1/6/2021 10:12	0:01:40	51.66	-111.88	425.14	51.71	-101.90	425.08	-143.68	0.32

Max. Exceedance: 3.68 dB

Table 8 Berthed GN 3Mbps (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	1/4/2021 20:31	1/4/2021 20:43	0:12:09	-21.96	-0.52	425.19	14.74	26.84	419.28	-138.34	5.66
2	1/4/2021 20:44	1/4/2021 21:33	0:48:31	16.23	28.01	419.34	-22.40	-158.63	424.71	-138.80	5.20
3	1/4/2021 21:34	1/4/2021 21:34	0:00:11	-26.67	-154.66	426.24	-27.13	-154.20	426.42	-143.96	0.04
4	1/4/2021 21:35	1/4/2021 21:39	0:04:19	-28.52	-152.79	426.94	-39.59	-138.61	431.42	-143.58	0.42
5	1/4/2021 21:39	1/4/2021 21:40	0:00:11	-40.72	-136.69	431.89	-41.10	-136.04	432.05	-143.70	0.30
6	1/4/2021 21:40	1/4/2021 22:16	0:36:19	-42.18	-134.03	432.50	15.08	3.50	419.28	-137.91	6.09
7	1/4/2021 22:17	1/4/2021 23:06	0:48:30	16.57	4.67	419.34	-22.73	178.06	424.80	-139.00	5.00
8	1/4/2021 23:07	1/4/2021 23:12	0:05:09	-26.52	-178.41	426.15	-39.85	-161.79	431.47	-143.63	0.37
9	1/4/2021 23:12	1/4/2021 23:13	0:00:11	-40.98	-159.85	431.94	-41.35	-159.19	432.09	-143.69	0.31
10	1/4/2021 23:13	1/4/2021 23:49	0:36:19	-42.42	-157.16	432.54	15.42	-19.84	419.28	-138.04	5.96
11	1/4/2021 23:50	1/5/2021 0:39	0:48:39	16.91	-18.66	419.34	-23.54	155.18	425.06	-139.02	4.98
12	1/5/2021 0:40	1/5/2021 0:40	0:00:00	-26.84	158.30	426.25	-26.84	158.30	426.25	-143.98	0.02
13	1/5/2021 0:40	1/5/2021 0:42	0:01:20	-28.23	159.70	426.77	-31.85	163.63	428.16	-143.70	0.30
14	1/5/2021 0:42	1/5/2021 0:45	0:02:50	-33.16	165.19	428.68	-40.11	175.05	431.53	-143.62	0.38
15	1/5/2021 0:45	1/5/2021 0:46	0:00:11	-41.23	177.00	431.99	-41.60	177.67	432.14	-143.60	0.40
16	1/5/2021 0:46	1/5/2021 1:22	0:36:09	-42.66	179.71	432.58	15.27	-43.56	419.27	-137.31	6.69
17	1/5/2021 1:23	1/5/2021 2:12	0:48:50	16.76	-42.38	419.34	-23.87	131.87	425.17	-138.97	5.03
18	1/5/2021 2:12	1/5/2021 2:13	0:00:11	-26.23	134.10	426.01	-26.70	134.56	426.19	-143.94	0.06
19	1/5/2021 2:13	1/5/2021 2:15	0:01:20	-28.55	136.42	426.88	-32.15	140.38	428.28	-143.83	0.17
20	1/5/2021 2:15	1/5/2021 2:18	0:02:49	-33.46	141.95	428.80	-40.37	151.89	431.63	-143.59	0.41
21	1/5/2021 2:18	1/5/2021 2:19	0:00:11	-41.48	153.85	432.10	-41.84	154.52	432.25	-143.47	0.53
22	1/5/2021 2:19	1/5/2021 2:55	0:36:09	-42.90	156.59	432.69	15.61	-66.90	419.38	-137.78	6.22
23	1/5/2021 2:56	1/5/2021 3:45	0:49:01	17.10	-65.72	419.45	-24.67	109.01	425.42	-138.97	5.03
24	1/5/2021 3:45	1/5/2021 3:46	0:00:20	-26.08	110.35	425.93	-27.01	111.26	426.28	-143.84	0.16
25	1/5/2021 3:46	1/5/2021 3:47	0:01:10	-28.86	113.14	426.98	-32.01	116.61	428.21	-143.89	0.11
26	1/5/2021 3:48	1/5/2021 5:18	1:29:51	-33.32	118.17	428.74	-24.99	85.70	425.45	-138.44	5.56
27	1/5/2021 5:18	1/5/2021 5:19	0:00:21	-26.40	87.05	425.97	-27.33	87.97	426.32	-143.77	0.23
28	1/5/2021 5:19	1/5/2021 5:19	0:00:09	-28.72	89.39	426.85	-29.17	89.87	427.03	-143.91	0.09
29	1/5/2021 5:20	1/5/2021 5:20	0:00:10	-30.53	91.33	427.56	-30.98	91.83	427.74	-143.89	0.11
30	1/5/2021 5:21	1/5/2021 5:24	0:02:51	-33.62	94.93	428.81	-40.51	104.91	431.70	-143.49	0.51
31	1/5/2021 5:24	1/5/2021 6:01	0:36:51	-41.62	106.89	432.17	15.79	-113.97	419.61	-138.74	5.26
32	1/5/2021 6:02	1/5/2021 6:52	0:50:01	17.27	-112.79	419.67	-27.65	64.69	426.33	-139.07	4.93
33	1/5/2021 6:52	1/5/2021 6:52	0:00:10	-29.03	66.11	426.86	-29.48	66.59	427.04	-143.86	0.14
34	1/5/2021 6:53	1/5/2021 6:53	0:00:00	-30.84	68.07	427.57	-30.84	68.07	427.57	-143.82	0.18
35	1/5/2021 6:54	1/5/2021 6:57	0:02:30	-34.77	72.78	429.18	-40.77	81.75	431.71	-143.38	0.62
36	1/5/2021 6:57	1/5/2021 8:25	1:27:21	-41.86	83.74	432.18	-27.97	41.40	426.39	-138.75	5.25
37	1/5/2021 8:25	1/5/2021 8:25	0:00:00	-29.34	42.83	426.92	-29.34	42.83	426.92	-143.76	0.24
38	1/5/2021 8:27	1/5/2021 8:28	0:00:50	-35.06	49.55	429.23	-37.13	52.39	430.10	-143.63	0.37
39	1/5/2021 8:29	1/5/2021 8:30	0:01:10	-38.34	54.18	430.61	-41.02	58.59	431.75	-143.26	0.74
40	1/5/2021 8:30	1/5/2021 9:58	1:27:11	-42.11	60.60	432.21	-27.82	17.65	426.35	-138.83	5.17
41	1/5/2021 9:58	1/5/2021 9:58	0:00:09	-29.20	19.08	426.89	-29.65	19.56	427.06	-143.75	0.25
42	1/5/2021 10:00	1/5/2021 10:01	0:00:50	-35.35	26.33	429.36	-37.41	29.19	430.23	-143.61	0.39
43	1/5/2021 10:02	1/5/2021 10:03	0:01:10	-38.61	30.99	430.73	-41.27	35.44	431.86	-143.15	0.85
44	1/5/2021 10:03	1/5/2021 11:31	1:27:11	-42.35	37.47	432.32	-28.14	-5.63	426.59	-138.87	5.13
45	1/5/2021 11:31	1/5/2021 11:31	0:00:09	-29.51	-4.19	427.12	-29.96	-3.71	427.30	-143.78	0.22
46	1/5/2021 11:33	1/5/2021 11:34	0:00:41	-35.63	3.11	429.59	-37.28	5.40	430.28	-143.42	0.58
47	1/5/2021 11:35	1/5/2021 13:04	1:28:51	-38.88	7.81	430.95	-28.45	-28.91	426.82	-138.81	5.19
48	1/5/2021 13:04	1/5/2021 13:04	0:00:09	-29.82	-27.47	427.35	-30.27	-26.97	427.53	-143.58	0.42
49	1/5/2021 13:06	1/5/2021 13:07	0:00:41	-35.92	-20.11	429.82	-37.56	-17.80	430.51	-143.44	0.56
50	1/5/2021 13:08	1/5/2021 14:37	1:29:20	-39.15	-15.37	431.18	-30.13	-50.73	427.51	-138.64	5.36
51	1/5/2021 14:39	1/5/2021 14:39	0:00:11	-35.79	-43.89	429.81	-36.21	-43.32	429.98	-143.52	0.48
52	1/5/2021 14:40	1/5/2021 14:40	0:00:09	-37.43	-41.58	430.49	-37.84	-40.99	430.66	-143.82	0.18
53	1/5/2021 14:40	1/5/2021 16:10	1:29:30	-39.02	-39.17	431.16	-30.44	-74.00	427.69	-138.44	5.56
54	1/5/2021 16:12	1/5/2021 16:12	0:00:11	-36.07	-67.11	429.97	-36.49	-66.54	430.14	-143.62	0.38
55	1/5/2021 16:13	1/5/2021 16:13	0:00:09	-37.71	-64.78	430.65	-38.11	-64.19	430.82	-143.80	0.20
56	1/5/2021 16:13	1/5/2021 16:26	0:12:11	-39.29	-62.35	431.32	-50.57	1.34	436.25	-139.99	4.01
57	1/5/2021 16:26	1/5/2021 17:43	1:16:50	-50.09	4.14	436.07	-30.74	-97.27	427.83	-138.27	5.73
58	1/5/2021 17:45	1/5/2021 17:45	0:00:20	-35.94	-90.90	429.93	-36.77	-89.75	430.27	-143.47	0.53
59	1/5/2021 17:46	1/5/2021 17:46	0:00:00	-37.98	-87.98	430.77	-37.98	-87.98	430.77	-143.73	0.27
60	1/5/2021 17:46	1/5/2021 17:59	0:12:10	-39.55	-85.53	431.43	-50.47	-21.63	436.15	-139.99	4.01

61	1/5/2021 17:59	1/5/2021 19:16	1:16:41	-49.97	-18.85	435.97	-30.60	-121.03	427.74	-138.13	5.87
62	1/5/2021 19:16	1/5/2021 19:16	0:00:00	-32.38	-119.00	428.45	-32.38	-119.00	428.45	-143.96	0.04
63	1/5/2021 19:18	1/5/2021 19:18	0:00:50	-34.97	-115.80	429.49	-37.04	-112.96	430.34	-143.40	0.60
64	1/5/2021 19:19	1/5/2021 19:19	0:00:00	-38.25	-111.18	430.84	-38.25	-111.18	430.84	-143.72	0.28
65	1/5/2021 19:19	1/5/2021 20:49	1:29:21	-39.81	-108.71	431.49	-30.91	-144.29	427.87	-137.98	6.02
66	1/5/2021 20:49	1/5/2021 20:49	0:00:00	-32.68	-142.25	428.57	-32.68	-142.25	428.57	-143.62	0.38
67	1/5/2021 20:50	1/5/2021 20:52	0:01:31	-34.83	-139.58	429.44	-38.52	-134.37	430.96	-143.42	0.58
68	1/5/2021 20:53	1/5/2021 22:22	1:29:20	-40.07	-131.88	431.61	-31.21	-167.55	427.96	-137.81	6.19
69	1/5/2021 22:23	1/5/2021 22:23	0:00:00	-32.98	-165.50	428.66	-32.98	-165.50	428.66	-143.79	0.21
70	1/5/2021 22:23	1/5/2021 22:24	0:00:50	-35.12	-162.80	429.53	-37.20	-159.95	430.38	-143.34	0.66
71	1/5/2021 22:25	1/5/2021 22:25	0:00:10	-38.40	-158.17	430.87	-38.79	-157.56	431.04	-143.78	0.22
72	1/5/2021 22:25	1/5/2021 22:38	0:12:11	-39.95	-155.68	431.52	-50.31	-91.46	435.95	-139.92	4.08
73	1/5/2021 22:38	1/5/2021 23:55	1:16:51	-49.79	-88.69	435.76	-31.52	169.19	428.04	-137.65	6.35
74	1/5/2021 23:55	1/5/2021 23:56	0:00:11	-32.84	170.73	428.56	-33.28	171.26	428.73	-143.82	0.18
75	1/5/2021 23:56	1/5/2021 23:57	0:01:00	-34.99	173.42	429.42	-37.48	176.85	430.43	-143.23	0.77
76	1/5/2021 23:58	1/5/2021 23:58	0:00:09	-38.67	178.65	430.93	-39.06	179.26	431.09	-143.75	0.25
77	1/5/2021 23:58	1/6/2021 0:41	0:43:01	-40.22	-178.85	431.56	31.57	-22.56	421.02	-138.96	5.04
78	1/6/2021 0:42	1/6/2021 1:28	0:45:59	32.90	-21.01	421.25	-31.83	145.94	428.15	-137.71	6.29
79	1/6/2021 1:28	1/6/2021 1:28	0:00:00	-33.14	147.49	428.67	-33.14	147.49	428.67	-143.69	0.31
80	1/6/2021 1:29	1/6/2021 1:30	0:01:10	-34.86	149.65	429.36	-37.75	153.65	430.54	-143.17	0.83
81	1/6/2021 1:31	1/6/2021 1:31	0:00:09	-38.94	155.47	431.02	-39.33	156.09	431.19	-143.59	0.41
82	1/6/2021 1:31	1/6/2021 2:14	0:43:01	-40.47	157.99	431.66	31.88	-45.82	421.16	-139.04	4.96
83	1/6/2021 2:15	1/6/2021 3:01	0:46:29	33.20	-44.25	421.39	-33.44	124.25	428.79	-138.10	5.90
84	1/6/2021 3:02	1/6/2021 4:34	1:32:19	-35.15	126.42	429.48	-33.74	101.01	428.87	-138.35	5.65
85	1/6/2021 4:35	1/6/2021 6:07	1:31:50	-35.02	102.64	429.40	-32.29	75.66	428.18	-138.55	5.45
86	1/6/2021 6:07	1/6/2021 6:07	0:00:10	-33.60	77.24	428.72	-34.03	77.77	428.89	-143.59	0.41
87	1/6/2021 6:08	1/6/2021 6:22	0:14:19	-35.31	79.41	429.42	-50.07	151.85	436.01	-140.40	3.60
88	1/6/2021 6:23	1/6/2021 11:01	4:38:19	-49.51	154.58	435.81	-49.88	82.01	435.80	-138.44	5.56

Max. Exceedance: 6.69 dB

Table 9 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	1/6/2021 14:40	1/6/2021 15:16	0:36:09	37.06	132.00	421.99	-8.12	-87.21	420.66	-141.55	2.45
2	1/6/2021 15:17	1/6/2021 15:18	0:00:41	-12.15	-84.24	421.68	-14.15	-82.72	422.26	-143.34	0.66
3	1/6/2021 15:36	1/6/2021 15:40	0:03:11	-51.79	-7.42	439.29	-49.93	10.93	439.18	-142.91	1.09
4	1/6/2021 15:41	1/6/2021 15:42	0:01:00	-48.94	15.42	438.94	-47.52	20.54	438.55	-142.55	1.45
5	1/6/2021 15:42	1/6/2021 15:42	0:00:00	-46.71	22.99	438.32	-46.71	22.99	438.32	-143.54	0.46
6	1/6/2021 15:43	1/6/2021 15:43	0:00:30	-45.25	26.89	437.87	-44.30	29.13	437.57	-142.28	1.72
7	1/6/2021 15:45	1/6/2021 15:46	0:01:29	-41.19	35.40	436.55	-37.73	41.04	435.36	-143.09	0.91
8	1/6/2021 15:47	1/6/2021 15:55	0:07:51	-35.68	43.93	434.64	-13.73	65.26	427.72	-142.05	1.95
9	1/6/2021 15:56	1/6/2021 15:56	0:00:11	-10.73	67.52	426.99	-10.22	67.89	426.88	-143.22	0.78
10	1/6/2021 15:57	1/6/2021 15:59	0:02:10	-8.21	69.37	426.44	-1.61	74.06	425.27	-142.04	1.96
11	1/6/2021 15:59	1/6/2021 15:59	0:00:00	-0.05	75.17	424.47	-0.05	75.17	424.47	-143.77	0.23
12	1/6/2021 16:00	1/6/2021 16:01	0:01:19	1.99	76.60	424.29	6.05	79.48	424.06	-142.79	1.21
13	1/6/2021 16:04	1/6/2021 16:06	0:01:29	14.61	85.81	424.08	19.06	89.37	424.35	-143.32	0.68
14	1/6/2021 16:07	1/6/2021 16:07	0:00:00	21.49	91.43	424.57	21.49	91.43	424.57	-143.93	0.07
15	1/6/2021 16:07	1/6/2021 16:08	0:00:30	23.89	93.57	424.83	25.31	94.89	425.00	-143.29	0.71
16	1/6/2021 16:09	1/6/2021 16:10	0:00:50	28.11	97.65	425.37	30.39	100.06	425.71	-143.11	0.89
17	1/6/2021 16:10	1/6/2021 16:11	0:00:41	32.17	102.08	425.99	33.92	104.19	426.28	-143.89	0.11
18	1/6/2021 16:13	1/6/2021 16:14	0:01:31	37.67	109.28	426.93	41.15	114.92	427.55	-143.32	0.68
19	1/6/2021 16:16	1/6/2021 16:16	0:00:10	45.22	123.44	428.27	45.53	124.21	428.32	-143.66	0.34
20	1/6/2021 16:18	1/6/2021 16:18	0:00:10	47.75	130.65	428.67	48.00	131.49	428.71	-143.86	0.14
21	1/6/2021 16:20	1/6/2021 16:26	0:05:41	50.85	145.08	429.03	50.08	178.33	427.92	-142.35	1.65
22	1/6/2021 16:27	1/6/2021 16:29	0:01:49	49.12	-177.14	427.55	46.38	-167.87	426.58	-143.45	0.55
23	1/6/2021 16:29	1/6/2021 16:30	0:00:41	45.49	-165.52	426.29	44.23	-162.52	425.88	-142.79	1.21
24	1/6/2021 16:30	1/6/2021 16:33	0:02:30	42.89	-159.65	425.45	37.21	-150.01	423.77	-143.39	0.61
25	1/6/2021 16:36	1/6/2021 16:42	0:05:50	29.87	-140.90	421.91	13.02	-125.99	419.42	-140.89	3.11
26	1/6/2021 16:43	1/6/2021 16:46	0:03:10	10.00	-123.74	419.30	0.34	-116.84	419.63	-141.13	2.87
27	1/6/2021 16:46	1/6/2021 16:49	0:02:19	-1.19	-115.76	419.78	-8.30	-110.70	420.88	-143.04	0.96
28	1/6/2021 16:50	1/6/2021 16:51	0:00:39	-12.84	-107.34	421.88	-14.83	-105.81	422.39	-143.08	0.92
29	1/6/2021 17:04	1/6/2021 17:04	0:00:00	-48.10	-59.99	435.45	-48.10	-59.99	435.45	-143.92	0.08
30	1/6/2021 17:07	1/6/2021 17:08	0:00:50	-51.13	-44.47	437.03	-51.57	-39.58	437.33	-143.53	0.47
31	1/6/2021 17:09	1/6/2021 17:13	0:03:11	-51.78	-30.64	437.65	-49.86	-12.32	437.43	-142.86	1.14
32	1/6/2021 17:16	1/6/2021 17:16	0:00:09	-44.49	5.09	435.91	-44.17	5.82	435.81	-142.41	1.59
33	1/6/2021 17:18	1/6/2021 17:19	0:01:29	-41.04	12.06	434.80	-37.56	17.67	433.66	-143.01	0.99
34	1/6/2021 17:20	1/6/2021 17:26	0:06:20	-35.50	20.55	432.97	-17.97	38.31	427.66	-141.93	2.07
35	1/6/2021 17:27	1/6/2021 17:28	0:00:50	-16.00	39.89	427.16	-13.51	41.82	426.59	-142.62	1.38
36	1/6/2021 17:29	1/6/2021 17:29	0:00:11	-10.50	44.07	425.96	-10.00	44.44	425.86	-143.55	0.45
37	1/6/2021 17:30	1/6/2021 17:32	0:02:10	-7.98	45.92	425.49	-1.38	50.61	424.56	-142.30	1.70
38	1/6/2021 17:33	1/6/2021 17:35	0:01:49	2.18	53.12	424.23	7.77	57.10	423.96	-142.92	1.08
39	1/6/2021 17:37	1/6/2021 17:39	0:02:19	12.30	60.44	423.97	19.24	65.91	424.34	-141.50	2.50
40	1/6/2021 17:40	1/6/2021 17:40	0:00:11	21.67	67.98	424.56	22.16	68.40	424.61	-143.88	0.12
41	1/6/2021 17:40	1/6/2021 17:41	0:00:41	24.07	70.12	424.82	25.96	71.90	425.06	-143.23	0.77
42	1/6/2021 17:42	1/6/2021 17:43	0:00:50	28.29	74.21	425.38	30.56	76.64	425.72	-143.16	0.84
43	1/6/2021 17:43	1/6/2021 17:44	0:00:11	32.34	78.66	426.00	32.78	79.18	426.07	-143.92	0.08
44	1/6/2021 17:45	1/6/2021 17:46	0:00:30	37.42	85.29	426.87	38.62	87.10	427.08	-143.70	0.30
45	1/6/2021 17:47	1/6/2021 17:47	0:00:21	40.55	90.25	427.43	41.29	91.56	427.56	-142.94	1.06
46	1/6/2021 17:48	1/6/2021 17:53	0:05:10	42.37	93.59	427.76	50.48	118.98	429.02	-142.73	1.27
47	1/6/2021 17:56	1/6/2021 18:03	0:06:59	51.80	135.62	428.91	44.42	173.44	426.55	-143.39	0.61
48	1/6/2021 18:03	1/6/2021 18:07	0:04:09	43.43	175.62	426.42	33.66	-168.88	426.37	-143.33	0.67
49	1/6/2021 18:08	1/6/2021 18:08	0:00:20	31.46	-166.28	426.61	30.56	-165.27	426.73	-143.84	0.16
50	1/6/2021 18:10	1/6/2021 18:10	0:00:00	27.82	-162.37	427.20	27.82	-162.37	427.20	-143.91	0.09
51	1/6/2021 18:10	1/6/2021 18:10	0:00:00	26.43	-160.98	427.48	26.43	-160.98	427.48	-143.91	0.09
52	1/6/2021 18:11	1/6/2021 18:14	0:03:59	25.01	-159.63	427.81	13.29	-149.82	431.87	-141.13	2.87
53	1/6/2021 18:16	1/6/2021 18:19	0:02:50	9.27	-146.82	433.82	0.66	-140.68	438.93	-141.38	2.62
54	1/6/2021 18:20	1/6/2021 18:22	0:01:20	-3.91	-137.46	442.12	-7.95	-134.57	445.22	-143.49	0.51
55	1/6/2021 18:24	1/6/2021 18:24	0:00:19	-13.95	-130.11	450.23	-14.95	-129.35	451.10	-143.59	0.41
56	1/6/2021 18:46	1/6/2021 18:46	0:00:00	-50.07	-37.13	492.18	-50.07	-37.13	492.18	-143.97	0.03
57	1/6/2021 18:48	1/6/2021 18:48	0:00:00	-47.51	-26.76	491.50	-47.51	-26.76	491.50	-143.70	0.30
58	1/6/2021 18:49	1/6/2021 18:50	0:00:11	-44.66	-19.01	490.26	-44.35	-18.28	490.11	-143.37	0.63
59	1/6/2021 18:58	1/6/2021 19:00	0:01:51	-22.93	10.36	476.00	-17.65	14.84	472.08	-142.84	1.16
60	1/6/2021 19:01	1/6/2021 19:01	0:00:11	-15.20	16.78	470.27	-14.71	17.16	469.90	-143.52	0.48

Table 9 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)
61	1/6/2021 19:04	1/6/2021 19:05	0:01:29	-6.25	23.42	463.73	-1.72	26.63	460.56	-143.10	0.90
62	1/6/2021 19:08	1/6/2021 19:08	0:00:30	5.35	31.62	455.85	6.86	32.70	454.89	-143.54	0.46
63	1/6/2021 19:10	1/6/2021 19:11	0:00:50	12.87	37.11	451.22	15.35	39.02	449.79	-142.21	1.79
64	1/6/2021 19:12	1/6/2021 19:12	0:00:09	17.32	40.58	448.69	17.81	40.98	448.42	-143.95	0.05
65	1/6/2021 19:12	1/6/2021 19:13	0:00:10	19.27	42.18	447.62	19.76	42.58	447.36	-143.90	0.10
66	1/6/2021 19:14	1/6/2021 19:15	0:00:30	25.02	47.25	444.63	26.43	48.60	443.94	-143.55	0.45
67	1/6/2021 19:19	1/6/2021 19:19	0:00:00	38.20	62.69	438.48	38.20	62.69	438.48	-143.91	0.09
68	1/6/2021 19:20	1/6/2021 19:20	0:00:30	39.38	64.53	437.95	40.52	66.44	437.44	-143.76	0.24
69	1/6/2021 19:24	1/6/2021 19:24	0:00:00	47.83	83.53	433.89	47.83	83.53	433.89	-143.93	0.07
70	1/6/2021 19:27	1/6/2021 19:28	0:01:01	50.76	97.05	431.88	51.42	102.86	431.14	-143.64	0.36
71	1/6/2021 19:30	1/6/2021 19:32	0:02:00	51.51	119.78	429.23	50.02	131.30	428.07	-142.17	1.83
72	1/6/2021 19:33	1/6/2021 19:35	0:01:50	49.04	135.83	427.65	46.26	145.08	426.88	-143.46	0.54
73	1/6/2021 19:36	1/6/2021 19:36	0:00:49	45.37	147.42	426.71	43.77	151.15	426.47	-142.84	1.16
74	1/6/2021 19:37	1/6/2021 19:41	0:03:50	42.74	153.28	426.36	33.66	167.36	426.35	-143.43	0.57
75	1/6/2021 19:42	1/6/2021 19:42	0:00:19	31.46	169.97	426.58	30.56	170.97	426.70	-143.82	0.18
76	1/6/2021 19:43	1/6/2021 19:43	0:00:00	27.82	173.87	427.16	27.82	173.87	427.16	-143.91	0.09
77	1/6/2021 19:44	1/6/2021 19:44	0:00:00	26.43	175.26	427.44	26.43	175.26	427.44	-143.77	0.23
78	1/6/2021 19:44	1/6/2021 19:48	0:04:00	24.54	177.06	427.88	12.79	-173.19	432.04	-141.14	2.86
79	1/6/2021 19:49	1/6/2021 19:52	0:02:51	8.77	-170.21	434.02	0.15	-164.08	439.19	-141.60	2.40
80	1/6/2021 19:54	1/6/2021 19:55	0:01:29	-3.91	-161.22	442.05	-8.45	-157.96	445.54	-143.48	0.52
81	1/6/2021 19:57	1/6/2021 19:57	0:00:11	-14.45	-153.49	450.59	-14.95	-153.10	451.02	-143.36	0.64
82	1/6/2021 20:08	1/6/2021 20:08	0:00:00	-43.29	-120.14	479.61	-43.29	-120.14	479.61	-143.98	0.02
83	1/6/2021 20:32	1/6/2021 20:34	0:01:40	-22.41	-12.93	483.48	-17.60	-8.87	482.47	-143.00	1.00
84	1/6/2021 20:34	1/6/2021 20:34	0:00:09	-15.15	-6.93	482.04	-14.66	-6.55	481.96	-143.83	0.17
85	1/6/2021 20:37	1/6/2021 20:39	0:01:11	-5.71	0.05	481.02	-2.20	2.54	480.91	-143.43	0.57
86	1/6/2021 20:44	1/6/2021 20:45	0:00:31	13.81	14.07	482.26	15.28	15.21	482.53	-142.96	1.04
87	1/6/2021 21:05	1/6/2021 21:06	0:00:50	51.01	101.11	495.21	50.32	105.78	495.11	-143.39	0.61
88	1/6/2021 21:19	1/6/2021 21:20	0:01:29	22.20	155.30	488.19	17.87	158.94	487.35	-142.82	1.18
89	1/6/2021 21:21	1/6/2021 21:22	0:01:00	15.93	160.50	487.02	12.98	162.77	486.57	-142.41	1.59
90	1/6/2021 21:24	1/6/2021 21:25	0:00:50	7.51	166.80	485.95	5.01	168.59	485.76	-142.58	1.42
91	1/6/2021 21:26	1/6/2021 21:26	0:00:39	2.50	170.36	485.63	0.50	171.77	485.57	-143.62	0.38
92	1/6/2021 22:06	1/6/2021 22:08	0:01:50	-22.48	-36.92	483.44	-17.19	-32.47	482.33	-142.98	1.02
93	1/6/2021 22:09	1/6/2021 22:09	0:00:00	-14.74	-30.54	481.92	-14.74	-30.54	481.92	-143.87	0.13
94	1/6/2021 22:12	1/6/2021 22:13	0:01:10	-5.29	-23.57	480.94	-1.78	-21.09	480.85	-143.43	0.57
95	1/6/2021 22:18	1/6/2021 22:19	0:00:41	13.73	-9.92	482.21	15.69	-8.40	482.57	-143.11	0.89
96	1/6/2021 23:28	1/6/2021 23:28	0:00:00	-49.96	-108.15	492.51	-49.96	-108.15	492.51	-143.93	0.07
97	1/6/2021 23:30	1/6/2021 23:30	0:00:00	-47.34	-97.81	491.41	-47.34	-97.81	491.41	-143.68	0.32
98	1/6/2021 23:31	1/6/2021 23:32	0:00:10	-44.12	-89.37	490.16	-43.80	-88.66	490.04	-143.28	0.72
99	1/6/2021 23:40	1/6/2021 23:42	0:01:49	-22.08	-60.49	483.26	-16.78	-56.06	482.18	-143.15	0.85
100	1/6/2021 23:43	1/6/2021 23:43	0:00:00	-14.33	-54.15	481.77	-14.33	-54.15	481.77	-143.97	0.03
101	1/6/2021 23:46	1/6/2021 23:47	0:01:00	-4.87	-47.20	480.85	-1.85	-45.07	480.78	-143.30	0.70
102	1/6/2021 23:53	1/6/2021 23:53	0:00:39	14.14	-33.53	482.23	16.11	-32.00	482.61	-143.25	0.75
103	1/7/2021 0:28	1/7/2021 0:29	0:01:29	21.87	107.73	488.21	17.54	111.36	487.39	-142.80	1.20
104	1/7/2021 0:30	1/7/2021 0:31	0:01:01	15.10	113.29	486.98	12.15	115.55	486.56	-142.47	1.53
105	1/7/2021 0:33	1/7/2021 0:33	0:00:50	7.17	119.19	486.02	4.67	120.98	485.83	-142.67	1.33
106	1/7/2021 0:34	1/7/2021 0:35	0:00:50	2.16	122.75	485.70	-0.35	124.51	485.64	-143.30	0.70
107	1/7/2021 1:15	1/7/2021 1:16	0:01:41	-21.68	-84.07	483.16	-16.86	-80.05	482.19	-143.13	0.87
108	1/7/2021 1:17	1/7/2021 1:17	0:00:00	-14.41	-78.13	481.78	-14.41	-78.13	481.78	-143.92	0.08
109	1/7/2021 1:21	1/7/2021 1:21	0:00:59	-4.45	-70.83	480.84	-1.43	-68.70	480.79	-143.20	0.80
110	1/7/2021 1:27	1/7/2021 1:27	0:00:39	14.56	-57.14	482.32	16.52	-55.60	482.71	-143.37	0.63
111	1/7/2021 2:04	1/7/2021 2:05	0:00:50	14.69	89.68	486.92	12.23	91.56	486.56	-142.50	1.50
112	1/7/2021 2:07	1/7/2021 2:08	0:00:50	6.75	95.56	485.98	4.25	97.35	485.80	-142.68	1.32
113	1/7/2021 2:09	1/7/2021 2:09	0:00:50	1.74	99.12	485.68	-0.77	100.88	485.63	-143.74	0.26
114	1/7/2021 2:49	1/7/2021 2:51	0:01:40	-21.28	-107.65	483.22	-16.45	-103.66	482.26	-143.07	0.93
115	1/7/2021 2:55	1/7/2021 2:56	0:00:50	-4.03	-94.46	480.95	-1.52	-92.69	480.91	-143.13	0.87
116	1/7/2021 4:23	1/7/2021 4:25	0:01:41	-21.37	-131.65	483.41	-16.53	-127.65	482.44	-143.14	0.86
117	1/7/2021 4:29	1/7/2021 4:30	0:00:50	-3.61	-118.09	481.08	-1.10	-116.32	481.04	-143.11	0.89
118	1/7/2021 4:35	1/7/2021 4:36	0:00:41	15.37	-104.36	482.65	17.32	-102.81	483.04	-143.46	0.54
119	1/7/2021 5:10	1/7/2021 5:12	0:01:11	21.16	36.57	487.79	17.78	39.38	487.15	-142.78	1.22
120	1/7/2021 5:13	1/7/2021 5:14	0:00:59	14.36	42.08	486.59	11.40	44.32	486.18	-142.62	1.38

Table 9 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)
121	1/7/2021 5:15	1/7/2021 5:16	0:00:50	5.92	48.30	485.64	3.42	50.08	485.49	-142.66	1.34
122	1/7/2021 5:17	1/7/2021 5:17	0:00:11	0.91	51.85	485.40	0.40	52.20	485.39	-143.80	0.20
123	1/7/2021 5:47	1/7/2021 5:47	0:00:00	-46.98	167.56	491.53	-46.98	167.56	491.53	-143.87	0.13
124	1/7/2021 5:49	1/7/2021 5:49	0:00:00	-43.35	176.58	490.15	-43.35	176.58	490.15	-143.46	0.54
125	1/7/2021 5:57	1/7/2021 5:59	0:01:40	-20.97	-155.23	483.33	-16.12	-151.26	482.38	-143.32	0.68
126	1/7/2021 6:03	1/7/2021 6:04	0:01:00	-3.70	-142.08	481.10	-0.68	-139.95	481.06	-143.10	0.90
127	1/7/2021 6:45	1/7/2021 6:46	0:01:31	20.79	12.96	487.82	16.44	16.54	487.00	-142.78	1.22
128	1/7/2021 6:47	1/7/2021 6:48	0:00:50	13.98	18.45	486.61	11.52	20.31	486.26	-142.46	1.54
129	1/7/2021 6:50	1/7/2021 6:51	0:01:01	6.04	24.30	485.70	3.03	26.43	485.51	-142.64	1.36
130	1/7/2021 6:51	1/7/2021 6:52	0:00:11	0.52	28.20	485.42	0.02	28.55	485.41	-143.81	0.19
131	1/7/2021 6:57	1/7/2021 6:58	0:00:11	-16.89	40.95	486.50	-17.38	41.34	486.57	-143.79	0.21
132	1/7/2021 7:18	1/7/2021 7:18	0:00:09	-50.98	125.83	493.18	-50.85	126.78	493.12	-143.74	0.26
133	1/7/2021 7:21	1/7/2021 7:21	0:00:00	-46.77	144.26	491.44	-46.77	144.26	491.44	-143.59	0.41
134	1/7/2021 7:23	1/7/2021 7:23	0:00:00	-43.42	152.50	490.19	-43.42	152.50	490.19	-143.99	0.01
135	1/7/2021 7:32	1/7/2021 7:33	0:01:39	-20.60	-178.84	483.35	-15.75	-174.88	482.43	-143.27	0.73
136	1/7/2021 7:38	1/7/2021 7:39	0:01:01	-3.31	-165.73	481.24	-0.29	-163.60	481.22	-142.93	1.07
137	1/7/2021 8:19	1/7/2021 8:20	0:01:29	20.39	-10.63	487.77	16.03	-7.07	486.96	-142.78	1.22
138	1/7/2021 8:21	1/7/2021 8:22	0:00:50	13.58	-5.17	486.58	11.11	-3.31	486.24	-142.45	1.55
139	1/7/2021 8:24	1/7/2021 8:25	0:00:50	5.62	0.67	485.70	3.12	2.44	485.55	-142.37	1.63
140	1/7/2021 8:26	1/7/2021 8:26	0:00:09	0.10	4.56	485.45	-0.40	4.92	485.44	-143.82	0.18
141	1/7/2021 8:28	1/7/2021 8:29	0:00:10	-7.42	9.89	485.59	-7.92	10.25	485.62	-143.98	0.02
142	1/7/2021 8:32	1/7/2021 8:32	0:00:11	-17.29	17.35	486.59	-17.78	17.74	486.66	-143.47	0.53
143	1/7/2021 8:52	1/7/2021 8:52	0:00:09	-50.88	102.69	493.07	-50.74	103.63	493.01	-143.55	0.45
144	1/7/2021 8:53	1/7/2021 8:53	0:00:00	-50.14	107.33	492.73	-50.14	107.33	492.73	-143.96	0.04
145	1/7/2021 8:57	1/7/2021 8:57	0:00:00	-43.15	129.15	490.00	-43.15	129.15	490.00	-143.94	0.06
146	1/7/2021 9:06	1/7/2021 9:08	0:01:51	-20.68	157.16	483.26	-15.34	161.51	482.26	-143.12	0.88
147	1/7/2021 9:12	1/7/2021 9:13	0:00:50	-2.89	170.64	481.14	-0.38	172.41	481.13	-142.69	1.31
148	1/7/2021 9:19	1/7/2021 9:19	0:00:30	16.56	-175.20	483.04	18.02	-174.02	483.36	-143.44	0.56
149	1/7/2021 9:53	1/7/2021 9:55	0:01:40	20.48	-34.63	487.90	15.63	-30.68	487.02	-142.78	1.22
150	1/7/2021 9:56	1/7/2021 9:56	0:00:50	13.17	-28.78	486.65	10.70	-26.93	486.32	-142.62	1.38
151	1/7/2021 9:58	1/7/2021 9:59	0:00:50	5.21	-22.96	485.80	2.70	-21.19	485.66	-142.31	1.69
152	1/7/2021 10:00	1/7/2021 10:00	0:00:10	0.19	-19.42	485.58	-0.31	-19.07	485.57	-143.85	0.15
153	1/7/2021 10:03	1/7/2021 10:03	0:00:30	-7.83	-13.74	485.74	-9.32	-12.65	485.84	-143.91	0.09
154	1/7/2021 10:06	1/7/2021 10:06	0:00:09	-17.69	-6.25	486.77	-18.18	-5.86	486.84	-143.09	0.91
155	1/7/2021 11:13	1/7/2021 11:14	0:01:10	50.96	-113.82	495.40	49.91	-107.33	495.24	-143.33	0.67
156	1/7/2021 11:33	1/7/2021 11:34	0:00:50	4.80	-46.60	485.89	2.29	-44.82	485.76	-142.48	1.52
157	1/7/2021 11:34	1/7/2021 11:34	0:00:09	-0.22	-43.06	485.70	-0.72	-42.71	485.69	-143.83	0.17
158	1/7/2021 11:37	1/7/2021 11:37	0:00:29	-8.24	-37.37	485.91	-9.73	-36.28	486.01	-143.83	0.17
159	1/7/2021 11:40	1/7/2021 11:40	0:00:09	-18.09	-29.86	486.98	-18.58	-29.46	487.06	-142.97	1.03
160	1/7/2021 12:15	1/7/2021 12:16	0:01:10	-18.44	111.18	482.66	-15.03	113.90	482.05	-143.32	0.68
161	1/7/2021 12:21	1/7/2021 12:22	0:00:50	-2.07	123.37	480.92	0.45	125.14	480.93	-142.94	1.06
162	1/7/2021 12:24	1/7/2021 12:25	0:00:21	8.47	130.84	481.48	9.47	131.57	481.60	-143.94	0.06
163	1/7/2021 12:27	1/7/2021 12:28	0:00:21	17.36	137.59	482.95	18.33	138.38	483.16	-143.19	0.81
164	1/7/2021 12:28	1/7/2021 12:28	0:00:00	20.74	140.39	483.73	20.74	140.39	483.73	-143.97	0.03
165	1/7/2021 12:47	1/7/2021 12:48	0:01:10	50.98	-137.91	495.25	49.94	-131.42	495.10	-143.33	0.67
166	1/7/2021 13:02	1/7/2021 13:03	0:01:29	19.68	-81.81	487.82	15.31	-78.28	487.07	-142.78	1.22
167	1/7/2021 13:04	1/7/2021 13:05	0:00:39	12.36	-76.02	486.65	10.38	-74.55	486.40	-142.28	1.72
168	1/7/2021 13:07	1/7/2021 13:08	0:01:00	4.88	-70.58	485.92	1.88	-68.46	485.78	-142.63	1.37
169	1/7/2021 13:09	1/7/2021 13:09	0:00:00	-0.64	-66.69	485.73	-0.64	-66.69	485.73	-143.82	0.18
170	1/7/2021 13:11	1/7/2021 13:12	0:00:39	-8.15	-61.36	485.95	-10.14	-59.90	486.09	-143.78	0.22
171	1/7/2021 13:15	1/7/2021 13:15	0:00:19	-18.01	-53.85	487.02	-18.98	-53.06	487.17	-143.17	0.83
172	1/7/2021 13:50	1/7/2021 13:51	0:00:11	-15.11	89.91	482.01	-14.62	90.29	481.94	-143.35	0.65
173	1/7/2021 13:55	1/7/2021 13:56	0:00:59	-2.16	99.38	480.85	0.86	101.50	480.87	-143.07	0.93
174	1/7/2021 13:58	1/7/2021 13:59	0:00:20	8.88	107.21	481.45	9.88	107.94	481.58	-143.90	0.10
175	1/7/2021 14:01	1/7/2021 14:02	0:00:29	17.28	113.60	482.86	18.73	114.78	483.18	-143.13	0.87
176	1/7/2021 14:03	1/7/2021 14:03	0:00:00	21.14	116.80	483.75	21.14	116.80	483.75	-143.99	0.01
177	1/7/2021 14:36	1/7/2021 14:38	0:01:31	19.28	-105.40	487.79	14.91	-101.89	487.06	-142.77	1.23
178	1/7/2021 14:39	1/7/2021 14:39	0:00:40	11.95	-99.64	486.65	9.96	-98.17	486.42	-142.43	1.57
179	1/7/2021 14:41	1/7/2021 14:42	0:00:59	4.47	-94.22	485.97	1.46	-92.09	485.85	-142.52	1.48
180	1/7/2021 14:43	1/7/2021 14:43	0:00:00	-1.05	-90.33	485.81	-1.05	-90.33	485.81	-143.92	0.08

Table 9 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)
181	1/7/2021 14:45	1/7/2021 14:46	0:01:00	-8.56	-84.98	486.07	-11.54	-82.79	486.32	-143.79	0.21
182	1/7/2021 14:49	1/7/2021 14:49	0:00:20	-18.41	-77.45	487.19	-19.37	-76.65	487.34	-143.31	0.69
183	1/7/2021 15:36	1/7/2021 15:36	0:00:30	17.68	89.99	482.93	19.13	91.18	483.26	-142.93	1.07
184	1/7/2021 16:20	1/7/2021 16:21	0:01:01	-8.97	-108.62	486.19	-11.95	-106.42	486.44	-143.67	0.33
185	1/7/2021 16:23	1/7/2021 16:24	0:00:21	-18.80	-101.06	487.32	-19.77	-100.25	487.47	-143.43	0.57
186	1/7/2021 17:31	1/7/2021 17:31	0:00:30	50.20	155.40	495.27	49.68	158.12	495.18	-143.36	0.64
187	1/7/2021 17:45	1/7/2021 17:46	0:01:11	18.98	-153.01	487.93	15.58	-150.27	487.35	-142.77	1.23
188	1/7/2021 17:47	1/7/2021 17:48	0:00:41	11.14	-146.89	486.74	9.15	-145.43	486.52	-142.60	1.40
189	1/7/2021 18:32	1/7/2021 18:33	0:01:40	-18.79	15.18	482.52	-13.91	19.06	481.65	-143.34	0.66
190	1/7/2021 18:38	1/7/2021 18:39	0:01:09	-1.93	27.76	480.68	1.59	30.24	480.73	-142.98	1.02
191	1/7/2021 18:41	1/7/2021 18:42	0:00:39	9.61	35.96	481.40	11.60	37.43	481.68	-143.77	0.23
192	1/7/2021 18:44	1/7/2021 18:45	0:00:30	18.47	42.79	483.00	19.92	43.99	483.34	-142.86	1.14
193	1/7/2021 18:46	1/7/2021 18:46	0:00:00	22.79	46.47	484.07	22.79	46.47	484.07	-143.83	0.17
194	1/7/2021 19:04	1/7/2021 19:05	0:01:20	50.82	127.60	495.34	49.52	134.92	495.16	-143.27	0.73
195	1/7/2021 19:19	1/7/2021 19:21	0:01:31	18.58	-176.60	487.91	14.19	-173.12	487.19	-142.77	1.23
196	1/7/2021 19:21	1/7/2021 19:22	0:00:41	11.23	-170.89	486.80	9.24	-169.42	486.58	-142.47	1.53
197	1/7/2021 19:24	1/7/2021 19:25	0:00:31	3.24	-165.13	486.13	1.74	-164.07	486.07	-142.54	1.46
198	1/7/2021 19:29	1/7/2021 19:29	0:00:19	-9.78	-155.88	486.35	-10.78	-155.14	486.43	-143.67	0.33
199	1/7/2021 19:55	1/7/2021 19:55	0:00:00	-46.34	-45.92	491.14	-46.34	-45.92	491.14	-143.94	0.06
200	1/7/2021 20:06	1/7/2021 20:08	0:01:49	-18.88	-8.81	482.49	-13.50	-4.56	481.54	-143.34	0.66
201	1/7/2021 20:12	1/7/2021 20:13	0:01:20	-2.02	3.77	480.63	2.01	6.60	480.69	-143.01	0.99
202	1/7/2021 20:16	1/7/2021 20:16	0:00:39	10.02	12.34	481.40	12.01	13.81	481.69	-143.72	0.28
203	1/7/2021 20:19	1/7/2021 20:19	0:00:39	18.87	19.19	483.03	20.79	20.80	483.50	-143.03	0.97
204	1/7/2021 20:20	1/7/2021 20:20	0:00:00	23.17	22.89	484.12	23.17	22.89	484.12	-143.73	0.27
205	1/7/2021 20:39	1/7/2021 20:40	0:01:09	50.71	104.44	495.29	49.56	110.84	495.12	-143.21	0.79
206	1/7/2021 20:44	1/7/2021 20:44	0:00:00	42.03	131.93	493.42	42.03	131.93	493.42	-143.97	0.03
207	1/7/2021 20:53	1/7/2021 20:55	0:01:41	18.67	159.40	487.91	13.79	163.26	487.12	-142.77	1.23
208	1/7/2021 20:56	1/7/2021 20:57	0:00:41	10.82	165.49	486.74	8.83	166.95	486.53	-142.49	1.51
209	1/7/2021 20:58	1/7/2021 20:59	0:00:41	3.33	170.88	486.13	1.32	172.30	486.05	-142.33	1.67
210	1/7/2021 21:03	1/7/2021 21:04	0:00:50	-10.69	-179.14	486.41	-13.16	-177.28	486.65	-143.62	0.38
211	1/7/2021 21:06	1/7/2021 21:06	0:00:00	-20.47	-171.44	487.65	-20.47	-171.44	487.65	-143.78	0.22
212	1/7/2021 21:40	1/7/2021 21:42	0:01:40	-18.48	-32.41	482.36	-13.59	-28.55	481.51	-143.21	0.79
213	1/7/2021 21:46	1/7/2021 21:47	0:01:09	-1.60	-19.86	480.58	1.92	-17.39	480.64	-143.14	0.86
214	1/7/2021 21:50	1/7/2021 21:51	0:00:40	10.43	-11.29	481.41	12.42	-9.81	481.71	-143.67	0.33
215	1/7/2021 21:53	1/7/2021 21:54	0:00:50	18.78	-4.81	482.98	21.19	-2.79	483.56	-143.17	0.83
216	1/7/2021 21:55	1/7/2021 21:55	0:00:10	23.56	-0.69	484.20	24.03	-0.26	484.33	-143.66	0.34
217	1/7/2021 23:00	1/7/2021 23:00	0:00:09	-50.55	-110.42	492.86	-50.40	-109.49	492.78	-143.70	0.30
218	1/7/2021 23:01	1/7/2021 23:01	0:00:10	-49.34	-104.07	492.28	-49.13	-103.19	492.19	-143.22	0.78
219	1/7/2021 23:15	1/7/2021 23:16	0:01:40	-18.08	-56.01	482.19	-13.18	-52.16	481.36	-143.23	0.77
220	1/7/2021 23:20	1/7/2021 23:21	0:01:09	-1.18	-43.49	480.51	2.34	-41.02	480.59	-143.28	0.72
221	1/7/2021 23:24	1/7/2021 23:25	0:00:50	10.35	-35.27	481.34	12.83	-33.43	481.73	-143.62	0.38
222	1/7/2021 23:27	1/7/2021 23:28	0:00:59	19.19	-28.40	483.03	22.06	-25.95	483.75	-143.30	0.70
223	1/7/2021 23:29	1/7/2021 23:29	0:00:09	23.96	-24.26	484.27	24.42	-23.82	484.41	-143.56	0.44
224	1/8/2021 0:05	1/8/2021 0:05	0:00:30	9.50	118.61	486.68	8.01	119.69	486.54	-142.63	1.37
225	1/8/2021 0:07	1/8/2021 0:08	0:00:30	2.50	123.62	486.18	0.99	124.68	486.13	-142.84	1.16
226	1/8/2021 0:12	1/8/2021 0:12	0:00:09	-11.51	133.62	486.55	-12.00	133.99	486.59	-143.72	0.28
227	1/8/2021 0:15	1/8/2021 0:15	0:00:00	-21.26	141.38	487.82	-21.26	141.38	487.82	-143.97	0.03
228	1/8/2021 0:34	1/8/2021 0:34	0:00:09	-50.57	-134.51	492.85	-50.43	-133.58	492.78	-143.63	0.37
229	1/8/2021 0:35	1/8/2021 0:36	0:00:11	-49.37	-128.15	492.28	-49.17	-127.27	492.19	-143.01	0.99
230	1/8/2021 0:49	1/8/2021 0:51	0:01:40	-17.67	-79.61	482.11	-12.77	-75.78	481.30	-143.41	0.59
231	1/8/2021 0:55	1/8/2021 0:56	0:00:59	-0.77	-67.13	480.51	2.25	-65.01	480.59	-143.27	0.73
232	1/8/2021 0:59	1/8/2021 0:59	0:00:50	10.76	-58.90	481.41	13.24	-57.04	481.81	-143.56	0.44
233	1/8/2021 1:01	1/8/2021 1:02	0:01:00	19.59	-52.00	483.14	22.46	-49.53	483.88	-143.12	0.88
234	1/8/2021 1:03	1/8/2021 1:03	0:00:09	24.34	-47.82	484.40	24.81	-47.39	484.54	-143.48	0.52
235	1/8/2021 1:36	1/8/2021 1:38	0:01:10	16.49	89.38	487.63	13.06	92.04	487.11	-142.76	1.24
236	1/8/2021 1:39	1/8/2021 1:39	0:00:39	10.08	94.25	486.75	8.09	95.70	486.54	-142.53	1.47
237	1/8/2021 1:41	1/8/2021 1:42	0:00:29	2.08	99.98	486.16	0.58	101.04	486.12	-142.99	1.01
238	1/8/2021 1:46	1/8/2021 1:46	0:00:09	-11.92	110.00	486.59	-12.41	110.37	486.64	-143.77	0.23
239	1/8/2021 2:56	1/8/2021 2:57	0:01:09	50.52	9.95	495.34	49.30	16.28	495.15	-142.99	1.01
240	1/8/2021 3:20	1/8/2021 3:20	0:00:10	-12.33	86.37	486.54	-12.82	86.75	486.59	-143.82	0.18

Table 9 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)
241	1/8/2021 3:58	1/8/2021 3:59	0:01:40	-17.36	-127.22	482.36	-12.45	-123.40	481.56	-143.21	0.79
242	1/8/2021 4:03	1/8/2021 4:04	0:00:50	0.06	-114.41	480.78	2.57	-112.64	480.85	-143.43	0.57
243	1/8/2021 4:07	1/8/2021 4:08	0:00:50	11.57	-106.15	481.73	14.04	-104.28	482.13	-143.55	0.45
244	1/8/2021 5:18	1/8/2021 5:19	0:00:30	-49.07	161.36	492.41	-48.41	163.94	492.13	-143.01	0.99
245	1/8/2021 5:32	1/8/2021 5:34	0:01:40	-16.96	-150.82	482.30	-12.04	-147.02	481.52	-143.17	0.83
246	1/8/2021 6:19	1/8/2021 6:20	0:01:10	16.75	17.38	487.37	13.32	20.05	486.84	-142.73	1.27
247	1/8/2021 6:21	1/8/2021 6:21	0:00:00	11.84	21.17	486.65	11.84	21.17	486.65	-143.92	0.08
248	1/8/2021 6:22	1/8/2021 6:22	0:00:41	8.86	23.37	486.31	6.86	24.81	486.13	-142.67	1.33
249	1/8/2021 6:24	1/8/2021 6:25	0:00:19	0.85	29.07	485.83	-0.16	29.77	485.81	-143.58	0.42
250	1/8/2021 6:26	1/8/2021 6:27	0:00:11	-5.18	33.31	485.87	-5.68	33.67	485.89	-143.77	0.23
251	1/8/2021 6:29	1/8/2021 6:29	0:00:11	-13.14	39.13	486.46	-13.63	39.51	486.52	-143.87	0.13
252	1/8/2021 6:51	1/8/2021 6:51	0:00:00	-50.22	131.90	492.86	-50.22	131.90	492.86	-143.66	0.34
253	1/8/2021 6:52	1/8/2021 6:53	0:00:40	-49.11	137.28	492.36	-48.22	140.71	491.98	-143.09	0.91
254	1/8/2021 7:06	1/8/2021 7:08	0:01:41	-16.56	-174.43	482.18	-11.63	-170.64	481.42	-143.49	0.51
255	1/8/2021 7:51	1/8/2021 7:51	0:00:00	22.13	-11.03	488.39	22.13	-11.03	488.39	-143.95	0.05
256	1/8/2021 7:53	1/8/2021 7:55	0:01:31	16.35	-6.22	487.32	11.92	-2.82	486.69	-142.74	1.26
257	1/8/2021 7:56	1/8/2021 7:57	0:00:41	8.94	-0.62	486.35	6.95	0.82	486.17	-142.62	1.38
258	1/8/2021 7:58	1/8/2021 7:59	0:00:20	0.93	5.08	485.86	-0.07	5.79	485.84	-143.63	0.37
259	1/8/2021 8:00	1/8/2021 8:01	0:00:21	-5.09	9.33	485.90	-6.09	10.04	485.94	-143.26	0.74
260	1/8/2021 8:03	1/8/2021 8:03	0:00:00	-13.55	15.52	486.53	-13.55	15.52	486.53	-143.87	0.13
261	1/8/2021 9:26	1/8/2021 9:26	0:00:00	21.74	-34.61	488.42	21.74	-34.61	488.42	-143.63	0.37
262	1/8/2021 9:28	1/8/2021 9:29	0:01:31	15.94	-29.83	487.38	11.51	-26.44	486.76	-142.75	1.25
263	1/8/2021 9:30	1/8/2021 9:31	0:00:41	8.53	-24.25	486.44	6.53	-22.81	486.26	-142.56	1.44
264	1/8/2021 9:33	1/8/2021 9:33	0:00:11	0.52	-18.55	485.98	0.01	-18.20	485.97	-143.72	0.28
265	1/8/2021 9:35	1/8/2021 9:35	0:00:20	-5.00	-14.66	486.02	-6.00	-13.95	486.06	-142.92	1.08
266	1/8/2021 9:38	1/8/2021 9:38	0:00:00	-13.95	-8.10	486.70	-13.95	-8.10	486.70	-143.89	0.11
267	1/8/2021 10:42	1/8/2021 10:42	0:00:00	51.37	-135.72	494.68	51.37	-135.72	494.68	-143.46	0.54
268	1/8/2021 10:43	1/8/2021 10:43	0:00:00	51.73	-129.88	494.97	51.73	-129.88	494.97	-143.97	0.03
269	1/8/2021 10:47	1/8/2021 10:47	0:00:39	50.19	-107.72	495.18	49.47	-104.12	495.06	-143.50	0.50
270	1/8/2021 11:04	1/8/2021 11:05	0:00:40	8.12	-47.87	486.50	6.12	-46.44	486.34	-142.58	1.42
271	1/8/2021 11:07	1/8/2021 11:07	0:00:09	0.10	-42.19	486.09	-0.40	-41.83	486.09	-143.65	0.35
272	1/8/2021 11:09	1/8/2021 11:09	0:00:21	-5.42	-38.29	486.17	-6.42	-37.58	486.22	-143.03	0.97
273	1/8/2021 11:12	1/8/2021 11:12	0:00:00	-14.36	-31.71	486.90	-14.36	-31.71	486.90	-143.96	0.04
274	1/8/2021 11:55	1/8/2021 11:56	0:00:31	2.13	127.42	480.51	3.64	128.49	480.58	-143.68	0.32
275	1/8/2021 11:59	1/8/2021 12:00	0:00:51	13.12	135.38	481.64	15.58	137.28	482.09	-143.68	0.32
276	1/8/2021 12:02	1/8/2021 12:03	0:01:00	22.35	142.88	483.64	25.17	145.46	484.42	-142.92	1.08
277	1/8/2021 12:16	1/8/2021 12:16	0:00:00	51.35	-159.81	494.49	51.35	-159.81	494.49	-143.85	0.15
278	1/8/2021 12:21	1/8/2021 12:22	0:00:39	50.22	-131.80	495.04	49.50	-128.19	494.93	-143.80	0.20
279	1/8/2021 12:37	1/8/2021 12:38	0:00:39	12.67	-75.16	487.02	10.69	-73.68	486.78	-143.00	1.00
280	1/8/2021 12:39	1/8/2021 12:39	0:00:39	7.70	-71.50	486.49	5.70	-70.07	486.35	-142.68	1.32
281	1/8/2021 12:41	1/8/2021 12:42	0:00:10	0.19	-66.17	486.13	-0.32	-65.82	486.13	-143.65	0.35
282	1/8/2021 12:43	1/8/2021 12:44	0:00:20	-5.83	-61.92	486.23	-6.83	-61.21	486.28	-142.91	1.09
283	1/8/2021 13:24	1/8/2021 13:25	0:01:29	-14.94	91.14	481.59	-10.49	94.51	480.95	-143.34	0.66
284	1/8/2021 13:29	1/8/2021 13:30	0:00:30	2.55	103.79	480.45	4.06	104.85	480.52	-143.70	0.30
285	1/8/2021 13:33	1/8/2021 13:34	0:00:50	13.53	111.77	481.63	15.99	113.67	482.08	-143.66	0.34
286	1/8/2021 13:36	1/8/2021 13:37	0:00:59	22.74	119.31	483.66	25.56	121.90	484.45	-142.98	1.02
287	1/8/2021 14:43	1/8/2021 14:45	0:01:01	-48.87	18.63	492.37	-47.44	23.68	491.74	-143.04	0.96
288	1/8/2021 14:46	1/8/2021 14:46	0:00:00	-44.57	31.43	490.55	-44.57	31.43	490.55	-143.94	0.06
289	1/8/2021 15:07	1/8/2021 15:08	0:00:40	13.94	88.15	481.69	15.90	89.68	482.06	-143.60	0.40
290	1/8/2021 15:11	1/8/2021 15:11	0:00:50	23.13	95.73	483.77	25.48	97.90	484.43	-143.03	0.97
291	1/8/2021 15:43	1/8/2021 15:43	0:00:00	20.63	-129.37	488.44	20.63	-129.37	488.44	-143.81	0.19
292	1/8/2021 15:45	1/8/2021 15:46	0:01:29	14.81	-124.65	487.47	10.36	-121.29	486.92	-142.74	1.26
293	1/8/2021 15:47	1/8/2021 15:48	0:00:39	7.38	-119.12	486.64	5.38	-117.69	486.50	-142.69	1.31
294	1/8/2021 15:50	1/8/2021 15:50	0:00:09	-0.64	-113.44	486.31	-1.15	-113.09	486.31	-143.41	0.59
295	1/8/2021 15:52	1/8/2021 15:52	0:00:09	-6.66	-109.18	486.46	-7.16	-108.83	486.49	-143.02	0.98
296	1/8/2021 17:04	1/8/2021 17:05	0:00:59	49.97	157.77	495.12	48.78	163.07	494.93	-143.55	0.45
297	1/8/2021 18:06	1/8/2021 18:08	0:01:31	-14.21	19.92	481.31	-9.75	23.26	480.70	-143.06	0.94
298	1/8/2021 18:12	1/8/2021 18:13	0:00:39	3.29	32.53	480.32	5.30	33.96	480.45	-143.64	0.36
299	1/8/2021 18:16	1/8/2021 18:17	0:00:39	14.75	40.92	481.71	16.71	42.46	482.10	-143.50	0.50
300	1/8/2021 18:19	1/8/2021 18:20	0:00:39	24.38	49.01	484.01	26.24	50.78	484.56	-143.12	0.88

Table 9 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)
301	1/8/2021 18:38	1/8/2021 18:39	0:00:21	49.82	134.59	495.10	49.44	136.37	495.04	-143.48	0.52
302	1/8/2021 18:39	1/8/2021 18:39	0:00:10	48.82	139.00	494.94	48.60	139.86	494.90	-143.83	0.17
303	1/8/2021 18:51	1/8/2021 18:51	0:00:00	20.32	-176.95	488.50	20.32	-176.95	488.50	-143.91	0.09
304	1/8/2021 18:53	1/8/2021 18:55	0:01:31	14.00	-171.88	487.48	9.55	-168.55	486.96	-142.70	1.30
305	1/8/2021 18:56	1/8/2021 18:57	0:00:41	6.55	-166.38	486.70	4.55	-164.96	486.57	-142.52	1.48
306	1/8/2021 18:59	1/8/2021 18:59	0:00:09	-0.97	-161.07	486.42	-1.47	-160.71	486.42	-143.37	0.63
307	1/8/2021 18:59	1/8/2021 18:59	0:00:00	-2.98	-159.65	486.44	-2.98	-159.65	486.44	-143.92	0.08
308	1/8/2021 19:01	1/8/2021 19:01	0:00:19	-6.98	-156.81	486.58	-7.98	-156.09	486.64	-143.45	0.55
309	1/8/2021 19:29	1/8/2021 19:29	0:00:00	-44.10	-39.29	490.17	-44.10	-39.29	490.17	-143.82	0.18
310	1/8/2021 19:41	1/8/2021 19:42	0:01:31	-13.81	-3.69	481.20	-9.34	-0.36	480.61	-143.01	0.99
311	1/8/2021 19:46	1/8/2021 19:47	0:00:41	3.71	8.90	480.29	5.71	10.32	480.43	-143.62	0.38
312	1/8/2021 19:50	1/8/2021 19:51	0:00:30	15.16	17.31	481.74	16.62	18.47	482.03	-143.41	0.59
313	1/8/2021 19:54	1/8/2021 19:54	0:00:40	24.77	25.45	484.07	26.62	27.22	484.62	-143.16	0.84
314	1/8/2021 20:12	1/8/2021 20:13	0:00:29	49.85	110.50	495.06	49.28	113.18	494.98	-143.29	0.71
315	1/8/2021 20:13	1/8/2021 20:13	0:00:00	48.64	115.78	494.87	48.64	115.78	494.87	-143.80	0.20
316	1/8/2021 20:18	1/8/2021 20:18	0:00:00	39.69	137.16	492.88	39.69	137.16	492.88	-143.95	0.05
317	1/8/2021 20:26	1/8/2021 20:26	0:00:00	19.92	159.46	488.41	19.92	159.46	488.41	-143.75	0.25
318	1/8/2021 20:28	1/8/2021 20:29	0:01:31	13.59	164.51	487.41	9.13	167.83	486.90	-142.72	1.28
319	1/8/2021 20:30	1/8/2021 20:31	0:00:41	6.14	169.99	486.66	4.14	171.41	486.54	-142.74	1.26
320	1/8/2021 20:33	1/8/2021 20:34	0:00:41	-1.38	175.30	486.41	-3.39	176.71	486.44	-143.45	0.55
321	1/8/2021 20:35	1/8/2021 20:35	0:00:20	-7.40	179.57	486.60	-8.39	-179.71	486.66	-143.53	0.47
322	1/8/2021 21:15	1/8/2021 21:16	0:01:29	-13.40	-27.31	481.08	-8.93	-23.99	480.52	-142.98	1.02
323	1/8/2021 21:21	1/8/2021 21:22	0:00:41	4.12	-14.73	480.28	6.13	-13.31	480.43	-143.62	0.38
324	1/8/2021 21:25	1/8/2021 21:25	0:00:39	15.07	-6.68	481.68	17.03	-5.14	482.08	-143.31	0.69
325	1/8/2021 21:28	1/8/2021 21:29	0:00:41	25.15	1.88	484.15	27.00	3.67	484.71	-143.19	0.81
326	1/8/2021 21:47	1/8/2021 21:47	0:00:30	49.70	87.33	495.02	49.11	89.98	494.93	-143.17	0.83
327	1/8/2021 21:48	1/8/2021 21:48	0:00:00	48.45	92.57	494.82	48.45	92.57	494.82	-143.95	0.05
328	1/8/2021 21:53	1/8/2021 21:53	0:00:00	39.38	113.74	492.79	39.38	113.74	492.79	-143.97	0.03
329	1/8/2021 22:00	1/8/2021 22:00	0:00:00	19.52	135.86	488.35	19.52	135.86	488.35	-143.88	0.12
330	1/8/2021 22:02	1/8/2021 22:04	0:01:20	13.18	140.90	487.37	9.22	143.84	486.92	-142.73	1.27
331	1/8/2021 22:55	1/8/2021 22:56	0:00:40	4.54	-38.36	480.23	6.55	-36.93	480.40	-143.61	0.39
332	1/8/2021 22:59	1/8/2021 22:59	0:00:20	15.97	-29.90	481.81	16.95	-29.13	482.02	-143.19	0.81
333	1/8/2021 23:02	1/8/2021 23:03	0:00:30	25.54	-21.67	484.24	26.93	-20.33	484.66	-143.19	0.81
334	1/8/2021 23:43	1/8/2021 23:44	0:00:11	-8.23	132.31	486.71	-8.73	132.67	486.74	-143.72	0.28
335	1/9/2021 0:11	1/9/2021 0:12	0:00:20	-44.27	-111.43	490.09	-43.62	-110.00	489.83	-143.81	0.19
336	1/9/2021 0:24	1/9/2021 0:25	0:01:29	-13.07	-74.91	480.95	-8.60	-71.60	480.41	-142.85	1.15
337	1/9/2021 0:27	1/9/2021 0:27	0:00:00	-4.09	-68.37	480.11	-4.09	-68.37	480.11	-144.00	0.00
338	1/9/2021 0:30	1/9/2021 0:30	0:00:39	4.96	-61.99	480.27	6.96	-60.56	480.44	-143.60	0.40
339	1/9/2021 0:33	1/9/2021 0:34	0:00:20	16.38	-53.50	481.90	17.36	-52.73	482.11	-143.07	0.93
340	1/9/2021 0:37	1/9/2021 0:37	0:00:30	25.93	-45.23	484.37	27.31	-43.87	484.80	-143.18	0.82
341	1/9/2021 1:43	1/9/2021 1:44	0:00:30	-48.23	-146.47	491.90	-47.50	-143.98	491.57	-143.09	0.91
342	1/9/2021 1:46	1/9/2021 1:46	0:00:11	-44.00	-134.76	490.11	-43.67	-134.05	489.98	-143.75	0.25
343	1/9/2021 1:58	1/9/2021 1:59	0:01:29	-12.66	-98.53	481.02	-8.18	-95.23	480.49	-142.94	1.06
344	1/9/2021 2:01	1/9/2021 2:01	0:00:00	-3.67	-92.01	480.21	-3.67	-92.01	480.21	-143.96	0.04
345	1/9/2021 2:04	1/9/2021 2:04	0:00:39	5.37	-85.62	480.41	7.38	-84.19	480.59	-143.59	0.41
346	1/9/2021 2:26	1/9/2021 2:26	0:00:21	51.77	-2.97	495.10	51.70	-1.01	495.15	-143.82	0.18
347	1/9/2021 2:29	1/9/2021 2:30	0:00:40	49.61	15.98	495.09	48.79	19.49	494.96	-142.95	1.05
348	1/9/2021 2:43	1/9/2021 2:43	0:00:00	18.80	64.68	488.21	18.80	64.68	488.21	-143.63	0.37
349	1/9/2021 3:20	1/9/2021 3:20	0:00:00	-43.40	-157.40	490.07	-43.40	-157.40	490.07	-143.69	0.31
350	1/9/2021 3:32	1/9/2021 3:34	0:01:30	-12.25	-122.15	481.13	-7.77	-118.86	480.62	-143.00	1.00
351	1/9/2021 3:35	1/9/2021 3:35	0:00:00	-3.26	-115.64	480.35	-3.26	-115.64	480.35	-143.95	0.05
352	1/9/2021 3:38	1/9/2021 3:39	0:00:30	5.78	-109.26	480.56	7.29	-108.19	480.70	-143.56	0.44
353	1/9/2021 4:55	1/9/2021 4:55	0:00:09	-43.45	178.56	490.08	-43.12	179.26	489.95	-143.75	0.25
354	1/9/2021 5:06	1/9/2021 5:08	0:01:31	-11.84	-145.77	481.10	-7.36	-142.49	480.61	-143.00	1.00
355	1/9/2021 5:09	1/9/2021 5:09	0:00:00	-2.85	-139.28	480.36	-2.85	-139.28	480.36	-143.98	0.02
356	1/9/2021 5:54	1/9/2021 5:55	0:01:29	12.12	22.06	487.00	7.65	25.34	486.55	-142.69	1.31
357	1/9/2021 5:56	1/9/2021 5:57	0:00:39	4.65	27.49	486.34	2.64	28.90	486.26	-143.22	0.78
358	1/9/2021 5:59	1/9/2021 6:00	0:01:31	-3.38	33.14	486.22	-7.89	36.35	486.42	-142.84	1.16
359	1/9/2021 6:01	1/9/2021 6:01	0:00:09	-9.38	37.44	486.53	-9.88	37.80	486.57	-143.79	0.21
360	1/9/2021 6:25	1/9/2021 6:25	0:00:00	-48.81	139.60	492.25	-48.81	139.60	492.25	-143.96	0.04

Table 9 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)
361	1/9/2021 6:26	1/9/2021 6:27	0:00:41	-48.12	142.15	491.95	-47.11	145.45	491.51	-142.96	1.04
362	1/9/2021 6:29	1/9/2021 6:29	0:00:09	-43.51	154.51	490.04	-43.18	155.21	489.91	-143.69	0.31
363	1/9/2021 6:41	1/9/2021 6:41	0:00:40	-11.93	-169.76	481.06	-9.94	-168.29	480.81	-143.59	0.41
364	1/9/2021 7:26	1/9/2021 7:26	0:00:00	18.09	-6.51	487.89	18.09	-6.51	487.89	-143.77	0.23
365	1/9/2021 7:28	1/9/2021 7:29	0:01:31	11.71	-1.56	486.98	7.23	1.71	486.54	-142.66	1.34
366	1/9/2021 7:30	1/9/2021 7:31	0:00:50	4.73	3.50	486.38	2.22	5.27	486.27	-143.19	0.81
367	1/9/2021 7:33	1/9/2021 7:34	0:01:20	-3.80	9.51	486.26	-7.80	12.37	486.44	-142.93	1.07
368	1/9/2021 7:35	1/9/2021 7:35	0:00:09	-9.79	13.82	486.58	-10.29	14.18	486.63	-143.71	0.29
369	1/9/2021 8:00	1/9/2021 8:01	0:00:39	-47.92	118.93	491.79	-46.89	122.19	491.34	-142.81	1.19
370	1/9/2021 8:03	1/9/2021 8:03	0:00:09	-43.23	131.17	489.84	-42.90	131.87	489.71	-143.69	0.31
371	1/9/2021 8:15	1/9/2021 8:17	0:01:31	-11.51	166.62	480.91	-7.03	169.90	480.45	-143.10	0.90
372	1/9/2021 8:18	1/9/2021 8:18	0:00:00	-2.51	173.11	480.22	-2.51	173.11	480.22	-143.98	0.02
373	1/9/2021 9:00	1/9/2021 9:00	0:00:00	17.68	-30.11	487.94	17.68	-30.11	487.94	-143.72	0.28
374	1/9/2021 9:02	1/9/2021 9:03	0:01:01	11.30	-25.18	487.05	8.31	-22.99	486.75	-142.69	1.31
375	1/9/2021 9:04	1/9/2021 9:04	0:00:00	6.82	-21.91	486.63	6.82	-21.91	486.63	-143.86	0.14
376	1/9/2021 9:05	1/9/2021 9:05	0:00:50	4.31	-20.13	486.48	1.81	-18.36	486.38	-143.17	0.83
377	1/9/2021 9:07	1/9/2021 9:08	0:01:10	-4.22	-14.12	486.39	-7.72	-11.62	486.55	-142.90	1.10
378	1/9/2021 9:09	1/9/2021 9:10	0:00:21	-10.21	-9.80	486.74	-11.20	-9.07	486.82	-143.60	0.40
379	1/9/2021 9:49	1/9/2021 9:51	0:01:31	-11.10	143.01	480.77	-6.61	146.28	480.32	-143.15	0.85
380	1/9/2021 9:52	1/9/2021 9:52	0:00:00	-2.09	149.48	480.12	-2.09	149.48	480.12	-143.90	0.10
381	1/9/2021 10:36	1/9/2021 10:38	0:01:01	10.88	-48.80	487.10	7.90	-46.62	486.82	-142.71	1.29
382	1/9/2021 10:39	1/9/2021 10:40	0:00:40	3.90	-43.76	486.57	1.89	-42.34	486.50	-143.19	0.81
383	1/9/2021 10:41	1/9/2021 10:43	0:01:10	-4.13	-38.10	486.52	-7.63	-35.60	486.69	-142.82	1.18
384	1/9/2021 10:44	1/9/2021 10:44	0:00:29	-10.13	-33.79	486.87	-11.61	-32.69	487.01	-143.46	0.54
385	1/9/2021 11:34	1/9/2021 11:34	0:00:20	18.72	140.89	482.26	19.68	141.70	482.48	-143.51	0.49
386	1/9/2021 11:37	1/9/2021 11:37	0:00:39	28.14	149.47	484.83	29.94	151.37	485.41	-142.47	1.53
387	1/9/2021 11:41	1/9/2021 11:41	0:00:00	38.76	162.71	488.58	38.76	162.71	488.58	-143.89	0.11
388	1/9/2021 12:11	1/9/2021 12:12	0:00:59	10.47	-72.42	487.08	7.48	-70.24	486.82	-142.73	1.27
389	1/9/2021 12:13	1/9/2021 12:14	0:00:41	3.48	-67.39	486.59	1.47	-65.97	486.53	-143.31	0.69
390	1/9/2021 12:16	1/9/2021 12:17	0:01:10	-4.55	-61.73	486.58	-8.05	-59.23	486.76	-142.74	1.26
391	1/9/2021 12:18	1/9/2021 12:18	0:00:30	-10.54	-57.41	486.96	-12.03	-56.31	487.10	-143.35	0.65
392	1/9/2021 12:58	1/9/2021 12:59	0:01:29	-10.27	95.76	480.53	-5.78	99.02	480.10	-143.20	0.80
393	1/9/2021 13:01	1/9/2021 13:01	0:00:00	-1.26	102.21	479.93	-1.26	102.21	479.93	-143.90	0.10
394	1/9/2021 13:04	1/9/2021 13:04	0:00:29	7.78	108.62	480.35	9.28	109.70	480.51	-143.60	0.40
395	1/9/2021 13:08	1/9/2021 13:08	0:00:20	19.12	117.30	482.26	20.08	118.11	482.49	-143.55	0.45
396	1/9/2021 13:11	1/9/2021 13:11	0:00:09	28.51	125.93	484.86	28.97	126.41	485.00	-142.80	1.20
397	1/9/2021 13:43	1/9/2021 13:43	0:00:00	16.95	-101.30	487.95	16.95	-101.30	487.95	-143.79	0.21
398	1/9/2021 13:45	1/9/2021 13:46	0:01:29	10.55	-96.40	487.14	6.06	-93.15	486.78	-142.69	1.31
399	1/9/2021 13:47	1/9/2021 13:48	0:00:41	3.06	-91.02	486.64	1.05	-89.60	486.59	-143.52	0.48
400	1/9/2021 13:50	1/9/2021 13:50	0:00:19	-4.97	-85.36	486.67	-5.97	-84.65	486.72	-143.22	0.78
401	1/9/2021 14:18	1/9/2021 14:18	0:00:20	-46.80	26.74	491.45	-46.24	28.32	491.21	-142.57	1.43
402	1/9/2021 14:20	1/9/2021 14:20	0:00:09	-42.78	36.38	489.76	-42.44	37.07	489.62	-143.79	0.21
403	1/9/2021 14:42	1/9/2021 14:43	0:00:21	19.52	93.71	482.35	20.48	94.52	482.58	-143.61	0.39
404	1/9/2021 14:45	1/9/2021 14:46	0:00:41	28.89	102.40	485.00	30.68	104.33	485.59	-142.68	1.32
405	1/9/2021 14:49	1/9/2021 14:49	0:00:00	39.01	115.26	488.65	39.01	115.26	488.65	-143.97	0.03
406	1/9/2021 15:17	1/9/2021 15:17	0:00:00	16.54	-124.91	488.01	16.54	-124.91	488.01	-143.79	0.21
407	1/9/2021 15:19	1/9/2021 15:21	0:01:29	10.14	-120.03	487.22	5.65	-116.78	486.87	-142.70	1.30
408	1/9/2021 15:22	1/9/2021 15:22	0:00:39	2.64	-114.65	486.74	0.64	-113.24	486.69	-143.49	0.51
409	1/9/2021 15:25	1/9/2021 15:25	0:00:59	-5.38	-108.99	486.80	-8.38	-106.84	486.97	-142.65	1.35
410	1/9/2021 15:27	1/9/2021 15:27	0:00:30	-11.36	-104.65	487.22	-12.85	-103.54	487.38	-143.15	0.85
411	1/9/2021 17:00	1/9/2021 17:00	0:00:19	-7.80	-131.19	486.98	-8.79	-130.47	487.04	-142.64	1.36
412	1/9/2021 17:01	1/9/2021 17:01	0:00:20	-11.77	-128.28	487.30	-12.76	-127.53	487.40	-143.06	0.94
413	1/9/2021 17:41	1/9/2021 17:42	0:01:31	-9.53	24.53	480.28	-5.03	27.77	479.89	-143.24	0.76
414	1/9/2021 17:44	1/9/2021 17:44	0:00:00	-0.51	30.96	479.76	-0.51	30.96	479.76	-143.92	0.08
415	1/9/2021 17:47	1/9/2021 17:47	0:00:30	8.53	37.38	480.28	10.02	38.47	480.46	-143.57	0.43
416	1/9/2021 17:51	1/9/2021 17:51	0:00:10	20.32	46.53	482.43	20.80	46.94	482.55	-143.67	0.33
417	1/9/2021 17:54	1/9/2021 17:54	0:00:11	29.64	55.34	485.14	30.08	55.82	485.29	-143.18	0.82
418	1/9/2021 18:12	1/9/2021 18:13	0:00:31	48.72	140.50	494.81	48.03	143.04	494.70	-143.14	0.86
419	1/9/2021 19:03	1/9/2021 19:03	0:00:11	-42.27	-34.39	489.37	-41.92	-33.71	489.22	-143.82	0.18
420	1/9/2021 19:15	1/9/2021 19:17	0:01:31	-9.12	0.90	480.18	-4.61	4.14	479.82	-143.27	0.73

Table 9 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)
421	1/9/2021 19:18	1/9/2021 19:18	0:00:00	-0.09	7.33	479.71	-0.09	7.33	479.71	-143.88	0.12
422	1/9/2021 19:21	1/9/2021 19:22	0:00:31	8.94	13.75	480.28	10.44	14.85	480.47	-143.58	0.42
423	1/9/2021 19:25	1/9/2021 19:25	0:00:20	20.24	22.53	482.36	21.20	23.35	482.60	-143.64	0.36
424	1/9/2021 19:29	1/9/2021 19:29	0:00:30	30.01	31.81	485.21	31.34	33.28	485.67	-142.99	1.01
425	1/9/2021 19:46	1/9/2021 19:47	0:00:41	48.76	116.43	494.78	47.82	119.81	494.63	-143.39	0.61
426	1/9/2021 20:00	1/9/2021 20:00	0:00:00	15.82	163.89	488.01	15.82	163.89	488.01	-143.78	0.22
427	1/9/2021 20:02	1/9/2021 20:03	0:01:10	9.40	168.74	487.26	5.91	171.26	486.99	-142.76	1.24
428	1/9/2021 20:05	1/9/2021 20:05	0:00:39	1.90	174.10	486.82	-0.11	175.51	486.79	-143.49	0.51
429	1/9/2021 20:07	1/9/2021 20:08	0:01:00	-6.13	179.76	486.93	-9.12	-178.08	487.12	-142.78	1.22
430	1/9/2021 20:09	1/9/2021 20:10	0:00:30	-12.10	-175.88	487.39	-13.58	-174.76	487.55	-142.93	1.07
431	1/9/2021 20:49	1/9/2021 20:51	0:01:41	-9.20	-23.08	480.15	-4.20	-19.49	479.76	-143.22	0.78
432	1/9/2021 20:53	1/9/2021 20:53	0:00:00	0.33	-16.30	479.68	0.33	-16.30	479.68	-143.91	0.09
433	1/9/2021 20:56	1/9/2021 20:56	0:00:30	9.36	-9.87	480.29	10.85	-8.77	480.48	-143.60	0.40
434	1/9/2021 20:59	1/9/2021 21:00	0:00:19	20.64	-1.05	482.42	21.60	-0.23	482.66	-143.64	0.36
435	1/9/2021 21:03	1/9/2021 21:03	0:00:29	30.38	8.29	485.31	31.70	9.77	485.76	-143.17	0.83
436	1/9/2021 21:20	1/9/2021 21:21	0:00:31	48.57	93.22	494.73	47.87	95.75	494.61	-143.62	0.38
437	1/9/2021 21:34	1/9/2021 21:34	0:00:00	15.41	140.29	487.96	15.41	140.29	487.96	-143.73	0.27
438	1/9/2021 21:36	1/9/2021 21:38	0:01:11	8.98	145.12	487.23	5.49	147.63	486.97	-142.73	1.27
439	1/9/2021 21:39	1/9/2021 21:40	0:00:41	1.48	150.46	486.82	-0.53	151.88	486.80	-143.61	0.39
440	1/9/2021 21:42	1/9/2021 21:43	0:01:01	-6.55	156.13	486.96	-9.54	158.30	487.16	-142.85	1.15
441	1/9/2021 22:24	1/9/2021 22:25	0:01:40	-8.78	-46.70	480.03	-3.77	-43.12	479.66	-143.14	0.86
442	1/9/2021 22:27	1/9/2021 22:27	0:00:00	0.75	-39.93	479.61	0.75	-39.93	479.61	-143.96	0.04
443	1/9/2021 22:30	1/9/2021 22:30	0:00:20	9.78	-33.49	480.28	10.77	-32.76	480.42	-143.65	0.35
444	1/9/2021 22:34	1/9/2021 22:34	0:00:20	21.04	-24.64	482.48	22.00	-23.81	482.73	-143.65	0.35
445	1/9/2021 22:37	1/9/2021 22:38	0:00:20	31.20	-14.73	485.57	32.07	-13.73	485.88	-143.37	0.63
446	1/9/2021 23:44	1/9/2021 23:44	0:00:09	-45.67	-113.71	490.65	-45.37	-112.95	490.52	-143.36	0.64
447	1/9/2021 23:46	1/9/2021 23:46	0:00:11	-41.74	-105.15	489.01	-41.38	-104.49	488.86	-143.85	0.15
448	1/9/2021 23:58	1/10/2021 0:00	0:01:40	-8.37	-70.33	479.98	-3.35	-66.75	479.65	-143.10	0.90
449	1/10/2021 0:04	1/10/2021 0:05	0:00:30	9.70	-57.48	480.27	11.19	-56.38	480.48	-143.64	0.36
450	1/10/2021 0:08	1/10/2021 0:08	0:00:10	21.44	-48.22	482.59	21.92	-47.80	482.72	-143.59	0.41
451	1/10/2021 0:12	1/10/2021 0:12	0:00:19	31.56	-38.24	485.72	32.44	-37.23	486.03	-143.59	0.41
452	1/10/2021 0:13	1/10/2021 0:13	0:00:09	33.73	-35.67	486.49	34.15	-35.14	486.65	-143.88	0.12
453	1/10/2021 0:45	1/10/2021 0:46	0:01:00	8.15	97.87	487.23	5.15	100.02	487.03	-142.75	1.25
454	1/10/2021 0:47	1/10/2021 0:47	0:00:00	3.65	101.08	486.96	3.65	101.08	486.96	-143.97	0.03
455	1/10/2021 0:47	1/10/2021 0:48	0:00:50	1.14	102.85	486.88	-1.37	104.61	486.87	-143.62	0.38
456	1/10/2021 0:50	1/10/2021 0:51	0:00:59	-7.38	108.88	487.07	-10.37	111.05	487.28	-142.61	1.39
457	1/10/2021 0:52	1/10/2021 0:53	0:00:20	-13.34	113.27	487.57	-14.32	114.03	487.69	-142.67	1.33
458	1/10/2021 1:32	1/10/2021 1:34	0:01:29	-7.95	-93.95	480.06	-3.44	-90.74	479.77	-143.14	0.86
459	1/10/2021 2:03	1/10/2021 2:03	0:00:00	48.22	22.72	494.76	48.22	22.72	494.76	-143.63	0.37
460	1/10/2021 2:10	1/10/2021 2:10	0:00:00	34.56	49.96	491.75	34.56	49.96	491.75	-143.94	0.06
461	1/10/2021 2:25	1/10/2021 2:26	0:00:30	-9.29	86.33	487.11	-10.78	87.43	487.24	-142.61	1.39
462	1/10/2021 2:27	1/10/2021 2:27	0:00:19	-13.75	89.66	487.55	-14.73	90.41	487.67	-142.81	1.19
463	1/10/2021 2:57	1/10/2021 2:57	0:00:00	-34.01	-141.32	486.41	-34.01	-141.32	486.41	-143.89	0.11
464	1/10/2021 3:06	1/10/2021 3:08	0:01:40	-8.04	-117.95	480.23	-3.02	-114.37	479.90	-143.21	0.79
465	1/10/2021 3:10	1/10/2021 3:10	0:00:00	1.50	-111.19	479.87	1.50	-111.19	479.87	-143.96	0.04
466	1/10/2021 3:13	1/10/2021 3:13	0:00:30	10.52	-104.73	480.59	12.01	-103.62	480.80	-143.61	0.39
467	1/10/2021 4:29	1/10/2021 4:29	0:00:09	-41.20	-175.95	489.13	-40.84	-175.30	488.98	-143.82	0.18
468	1/10/2021 4:41	1/10/2021 4:43	0:01:40	-7.62	-141.57	480.23	-2.60	-138.00	479.92	-143.16	0.84
469	1/10/2021 4:43	1/10/2021 4:43	0:00:00	-0.59	-136.59	479.89	-0.59	-136.59	479.89	-143.91	0.09
470	1/10/2021 4:44	1/10/2021 4:44	0:00:00	1.92	-134.82	479.92	1.92	-134.82	479.92	-143.94	0.06
471	1/10/2021 4:47	1/10/2021 4:47	0:00:30	10.93	-128.35	480.67	12.42	-127.24	480.89	-143.57	0.43
472	1/10/2021 4:51	1/10/2021 4:51	0:00:20	22.15	-119.38	482.94	23.10	-118.54	483.19	-143.58	0.42
473	1/10/2021 4:55	1/10/2021 4:55	0:00:09	34.36	-106.66	486.78	34.78	-106.12	486.93	-143.42	0.58
474	1/10/2021 5:28	1/10/2021 5:29	0:01:10	7.40	26.62	486.86	3.90	29.12	486.66	-142.75	1.25
475	1/10/2021 5:31	1/10/2021 5:31	0:00:39	-0.11	31.95	486.57	-2.12	33.36	486.58	-143.63	0.37
476	1/10/2021 5:33	1/10/2021 5:34	0:00:59	-8.13	37.63	486.84	-11.11	39.82	487.09	-142.69	1.31
477	1/10/2021 5:35	1/10/2021 5:36	0:00:21	-14.57	42.43	487.47	-15.55	43.19	487.60	-143.15	0.85
478	1/10/2021 6:03	1/10/2021 6:03	0:00:09	-40.90	160.67	488.94	-40.53	161.31	488.80	-143.90	0.10
479	1/10/2021 6:15	1/10/2021 6:17	0:02:19	-7.20	-165.20	480.14	-0.17	-160.22	479.85	-143.06	0.94
480	1/10/2021 6:18	1/10/2021 6:18	0:00:00	2.34	-158.45	479.89	2.34	-158.45	479.89	-143.95	0.05

Table 9 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)
481	1/10/2021 6:21	1/10/2021 6:22	0:00:31	11.35	-151.97	480.69	12.84	-150.85	480.92	-143.50	0.50
482	1/10/2021 6:25	1/10/2021 6:25	0:00:20	22.55	-142.96	483.01	23.49	-142.11	483.26	-143.58	0.42
483	1/10/2021 6:30	1/10/2021 6:30	0:00:19	34.29	-130.68	486.72	35.13	-129.59	487.02	-143.37	0.63
484	1/10/2021 6:34	1/10/2021 6:35	0:00:11	45.36	-111.55	491.11	45.66	-110.79	491.24	-143.86	0.14
485	1/10/2021 6:36	1/10/2021 6:36	0:00:11	47.33	-106.07	491.98	47.59	-105.25	492.09	-143.88	0.12
486	1/10/2021 6:53	1/10/2021 6:53	0:00:00	33.93	-21.02	491.37	33.93	-21.02	491.37	-143.61	0.39
487	1/10/2021 7:02	1/10/2021 7:03	0:00:59	6.98	3.00	486.85	3.98	5.14	486.68	-142.78	1.22
488	1/10/2021 7:04	1/10/2021 7:04	0:00:00	2.48	6.20	486.63	2.48	6.20	486.63	-143.93	0.07
489	1/10/2021 7:05	1/10/2021 7:05	0:00:50	-0.03	7.96	486.59	-2.54	9.73	486.61	-143.73	0.27
490	1/10/2021 7:07	1/10/2021 7:09	0:01:01	-8.55	14.01	486.89	-11.53	16.20	487.15	-142.78	1.22
491	1/10/2021 7:10	1/10/2021 7:10	0:00:20	-14.49	18.45	487.48	-15.47	19.21	487.60	-143.29	0.71
492	1/10/2021 7:37	1/10/2021 7:37	0:00:00	-40.59	137.28	488.73	-40.59	137.28	488.73	-143.81	0.19
493	1/10/2021 7:40	1/10/2021 7:40	0:00:00	-33.37	147.70	486.05	-33.37	147.70	486.05	-143.73	0.27
494	1/10/2021 7:49	1/10/2021 7:52	0:02:21	-6.78	171.18	480.02	0.25	176.16	479.77	-142.97	1.03
495	1/10/2021 8:37	1/10/2021 8:38	0:01:01	6.57	-20.63	486.94	3.56	-18.49	486.78	-142.82	1.18
496	1/10/2021 8:38	1/10/2021 8:38	0:00:00	2.06	-17.43	486.74	2.06	-17.43	486.74	-143.89	0.11
497	1/10/2021 8:39	1/10/2021 8:40	0:00:50	-0.45	-15.66	486.70	-2.96	-13.90	486.73	-143.77	0.23
498	1/10/2021 8:42	1/10/2021 8:43	0:01:01	-8.96	-9.61	487.03	-11.94	-7.41	487.30	-142.88	1.12
499	1/10/2021 8:44	1/10/2021 8:44	0:00:21	-14.90	-5.16	487.64	-15.88	-4.40	487.76	-143.32	0.68
500	1/10/2021 9:11	1/10/2021 9:11	0:00:09	-40.65	113.25	488.71	-40.28	113.89	488.56	-143.79	0.21
501	1/10/2021 9:14	1/10/2021 9:14	0:00:00	-33.01	124.21	485.86	-33.01	124.21	485.86	-143.71	0.29
502	1/10/2021 9:24	1/10/2021 9:26	0:02:21	-6.36	147.56	479.90	0.67	152.53	479.68	-142.92	1.08
503	1/10/2021 9:30	1/10/2021 9:30	0:00:40	11.69	160.43	480.59	13.67	161.93	480.91	-143.43	0.57
504	1/10/2021 9:34	1/10/2021 9:34	0:00:20	23.34	169.91	483.09	24.29	170.77	483.36	-143.56	0.44
505	1/10/2021 9:38	1/10/2021 9:39	0:00:21	34.99	-177.62	486.89	35.82	-176.52	487.20	-143.06	0.94
506	1/10/2021 9:44	1/10/2021 9:45	0:00:10	47.76	-152.54	492.16	48.00	-151.71	492.27	-143.94	0.06
507	1/10/2021 9:49	1/10/2021 9:49	0:00:00	51.76	-126.74	494.50	51.76	-126.74	494.50	-143.95	0.05
508	1/10/2021 10:11	1/10/2021 10:12	0:01:01	6.15	-44.25	487.02	3.14	-42.12	486.89	-142.83	1.17
509	1/10/2021 10:13	1/10/2021 10:13	0:00:09	-0.87	-39.29	486.83	-1.38	-38.94	486.84	-143.78	0.22
510	1/10/2021 10:14	1/10/2021 10:14	0:00:11	-2.88	-37.88	486.86	-3.38	-37.53	486.87	-143.74	0.26
511	1/10/2021 10:16	1/10/2021 10:17	0:01:00	-9.38	-33.23	487.21	-12.36	-31.03	487.49	-142.77	1.23
512	1/10/2021 10:18	1/10/2021 10:18	0:00:20	-15.31	-28.77	487.84	-16.29	-28.00	487.97	-143.38	0.62
513	1/10/2021 11:12	1/10/2021 11:13	0:00:29	34.93	158.37	486.68	36.17	160.03	487.14	-143.06	0.94
514	1/10/2021 11:19	1/10/2021 11:19	0:00:09	47.96	-175.77	492.07	48.20	-174.93	492.18	-143.93	0.07
515	1/10/2021 11:23	1/10/2021 11:23	0:00:00	51.63	-153.76	494.17	51.63	-153.76	494.17	-143.75	0.25
516	1/10/2021 11:23	1/10/2021 11:23	0:00:00	51.75	-150.83	494.33	51.75	-150.83	494.33	-143.63	0.37
517	1/10/2021 11:36	1/10/2021 11:36	0:00:00	33.28	-92.00	491.32	33.28	-92.00	491.32	-143.67	0.33
518	1/10/2021 11:45	1/10/2021 11:46	0:01:11	6.23	-68.23	487.06	2.72	-65.75	486.91	-142.84	1.16
519	1/10/2021 11:48	1/10/2021 11:48	0:00:41	-1.30	-62.92	486.88	-3.30	-61.51	486.92	-143.71	0.29
520	1/10/2021 11:51	1/10/2021 11:51	0:00:59	-9.80	-56.85	487.30	-12.77	-54.64	487.59	-142.69	1.31
521	1/10/2021 11:53	1/10/2021 11:53	0:00:19	-15.72	-52.37	487.95	-16.70	-51.60	488.09	-143.45	0.55
522	1/10/2021 12:32	1/10/2021 12:35	0:02:41	-6.03	99.94	479.72	2.01	105.62	479.51	-143.05	0.95
523	1/10/2021 12:36	1/10/2021 12:36	0:00:00	3.52	106.68	479.57	3.52	106.68	479.57	-143.98	0.02
524	1/10/2021 12:39	1/10/2021 12:39	0:00:39	12.51	113.20	480.48	14.49	114.71	480.81	-143.39	0.61
525	1/10/2021 12:42	1/10/2021 12:43	0:00:20	24.13	122.77	483.05	25.07	123.64	483.32	-143.54	0.46
526	1/10/2021 12:47	1/10/2021 12:47	0:00:21	35.28	134.90	486.71	36.10	136.01	487.02	-142.81	1.19
527	1/10/2021 12:53	1/10/2021 12:53	0:00:00	48.17	161.01	492.06	48.17	161.01	492.06	-143.93	0.07
528	1/10/2021 12:57	1/10/2021 12:58	0:00:31	51.68	-176.87	494.13	51.77	-173.93	494.28	-143.37	0.63
529	1/10/2021 13:19	1/10/2021 13:21	0:01:10	5.80	-91.86	487.09	2.30	-89.38	486.96	-142.86	1.14
530	1/10/2021 13:22	1/10/2021 13:23	0:00:41	-1.72	-86.55	486.95	-3.73	-85.14	487.00	-143.67	0.33
531	1/10/2021 13:54	1/10/2021 13:54	0:00:11	-40.09	42.43	488.60	-39.71	43.06	488.44	-143.74	0.26
532	1/10/2021 13:57	1/10/2021 13:57	0:00:00	-32.36	53.20	485.67	-32.36	53.20	485.67	-143.64	0.36
533	1/10/2021 14:13	1/10/2021 14:14	0:00:41	12.93	89.59	480.53	14.90	91.10	480.88	-143.41	0.59
534	1/10/2021 14:17	1/10/2021 14:17	0:00:19	24.52	99.21	483.17	25.46	100.09	483.44	-143.58	0.42
535	1/10/2021 14:21	1/10/2021 14:21	0:00:20	35.62	111.44	486.88	36.44	112.56	487.19	-142.63	1.37
536	1/10/2021 14:27	1/10/2021 14:27	0:00:00	48.36	137.79	492.25	48.36	137.79	492.25	-143.93	0.07
537	1/10/2021 14:54	1/10/2021 14:55	0:01:00	5.39	-115.49	487.18	2.38	-113.36	487.08	-142.90	1.10
538	1/10/2021 14:55	1/10/2021 14:55	0:00:00	0.88	-112.30	487.05	0.88	-112.30	487.05	-143.97	0.03
539	1/10/2021 14:56	1/10/2021 14:56	0:00:11	-1.63	-110.54	487.06	-2.14	-110.19	487.07	-143.80	0.20
540	1/10/2021 14:57	1/10/2021 14:57	0:00:09	-3.64	-109.12	487.11	-4.14	-108.77	487.13	-143.70	0.30

Table 9 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)
541	1/10/2021 14:59	1/10/2021 15:00	0:01:01	-10.63	-104.09	487.56	-13.60	-101.87	487.87	-142.62	1.38
542	1/10/2021 15:01	1/10/2021 15:01	0:00:09	-16.54	-99.58	488.25	-17.02	-99.19	488.32	-143.65	0.35
543	1/10/2021 15:28	1/10/2021 15:29	0:00:11	-39.78	19.02	488.41	-39.40	19.64	488.26	-143.82	0.18
544	1/10/2021 15:41	1/10/2021 15:44	0:02:39	-5.19	52.69	479.58	2.85	58.36	479.46	-142.90	1.10
545	1/10/2021 15:47	1/10/2021 15:48	0:00:30	13.34	65.98	480.55	14.82	67.11	480.81	-143.35	0.65
546	1/10/2021 15:51	1/10/2021 15:51	0:00:19	24.91	75.65	483.23	25.84	76.53	483.50	-143.64	0.36
547	1/10/2021 15:55	1/10/2021 15:56	0:00:20	35.96	87.97	486.96	36.78	89.10	487.27	-142.87	1.13
548	1/10/2021 16:02	1/10/2021 16:02	0:00:00	48.55	114.57	492.32	48.55	114.57	492.32	-143.99	0.01
549	1/10/2021 16:06	1/10/2021 16:06	0:00:29	51.74	136.91	494.34	51.79	139.86	494.48	-143.28	0.72
550	1/10/2021 16:33	1/10/2021 16:35	0:01:11	-10.55	-128.08	487.59	-14.01	-125.48	487.95	-142.64	1.36
551	1/10/2021 16:35	1/10/2021 16:36	0:00:20	-16.45	-123.57	488.27	-17.43	-122.79	488.41	-143.68	0.32
552	1/10/2021 16:38	1/10/2021 16:38	0:00:00	-25.52	-115.75	489.79	-25.52	-115.75	489.79	-143.91	0.09
553	1/10/2021 17:15	1/10/2021 17:18	0:02:39	-4.77	29.06	479.47	3.27	34.73	479.40	-142.84	1.16
554	1/10/2021 17:21	1/10/2021 17:22	0:00:31	13.75	42.36	480.55	15.23	43.50	480.82	-143.26	0.74
555	1/10/2021 17:26	1/10/2021 17:26	0:00:29	25.30	52.09	483.28	26.69	53.43	483.70	-143.71	0.29
556	1/10/2021 18:02	1/10/2021 18:03	0:01:00	4.55	-162.75	487.26	1.55	-160.63	487.17	-142.87	1.13
557	1/10/2021 18:04	1/10/2021 18:04	0:00:00	0.04	-159.57	487.16	0.04	-159.57	487.16	-143.99	0.01
558	1/10/2021 18:05	1/10/2021 18:05	0:00:10	-2.47	-157.80	487.19	-2.97	-157.45	487.20	-143.62	0.38
559	1/10/2021 18:05	1/10/2021 18:06	0:00:11	-4.48	-156.39	487.25	-4.98	-156.03	487.27	-143.84	0.16
560	1/10/2021 18:08	1/10/2021 18:09	0:01:01	-10.96	-151.70	487.68	-13.92	-149.47	488.00	-142.62	1.38
561	1/10/2021 18:10	1/10/2021 18:10	0:00:20	-16.86	-147.18	488.38	-17.83	-146.39	488.52	-143.71	0.29
562	1/10/2021 18:13	1/10/2021 18:13	0:00:00	-25.91	-139.31	489.91	-25.91	-139.31	489.91	-143.88	0.12
563	1/10/2021 18:37	1/10/2021 18:37	0:00:11	-39.53	-28.42	488.18	-39.14	-27.80	488.03	-143.65	0.35
564	1/10/2021 18:40	1/10/2021 18:40	0:00:00	-31.71	-17.82	485.24	-31.71	-17.82	485.24	-143.75	0.25
565	1/10/2021 18:50	1/10/2021 18:52	0:02:40	-4.35	5.43	479.40	3.69	11.10	479.37	-142.90	1.10
566	1/10/2021 18:56	1/10/2021 18:56	0:00:30	14.16	18.75	480.57	15.64	19.90	480.85	-143.16	0.84
567	1/10/2021 19:00	1/10/2021 19:00	0:00:30	25.69	28.53	483.35	27.08	29.88	483.78	-143.74	0.26
568	1/10/2021 19:04	1/10/2021 19:04	0:00:09	36.65	41.06	487.13	37.05	41.64	487.28	-143.36	0.64
569	1/10/2021 19:27	1/10/2021 19:27	0:00:00	32.34	149.49	491.31	32.34	149.49	491.31	-143.97	0.03
570	1/10/2021 19:37	1/10/2021 19:38	0:01:01	4.13	173.62	487.24	1.13	175.74	487.16	-142.85	1.15
571	1/10/2021 19:39	1/10/2021 19:39	0:00:09	-2.89	178.57	487.19	-3.39	178.92	487.20	-143.64	0.36
572	1/10/2021 19:40	1/10/2021 19:40	0:00:11	-4.89	179.99	487.26	-5.40	-179.66	487.28	-143.78	0.22
573	1/10/2021 19:42	1/10/2021 19:43	0:01:01	-11.37	-175.32	487.72	-14.34	-173.08	488.05	-142.60	1.40
574	1/10/2021 19:44	1/10/2021 19:44	0:00:21	-17.27	-170.78	488.44	-18.24	-169.99	488.58	-143.76	0.24
575	1/10/2021 19:47	1/10/2021 19:47	0:00:00	-26.29	-162.86	489.99	-26.29	-162.86	489.99	-143.85	0.15
576	1/10/2021 20:24	1/10/2021 20:26	0:02:30	-3.93	-18.20	479.34	3.61	-12.89	479.33	-142.99	1.01
577	1/10/2021 20:30	1/10/2021 20:31	0:00:29	14.58	-4.86	480.61	16.05	-3.71	480.89	-143.06	0.94
578	1/10/2021 20:34	1/10/2021 20:35	0:00:30	26.08	4.98	483.43	27.46	6.34	483.86	-143.77	0.23
579	1/10/2021 20:38	1/10/2021 20:39	0:00:20	36.58	17.05	487.07	37.39	18.20	487.38	-143.43	0.57
580	1/10/2021 21:01	1/10/2021 21:01	0:00:00	31.97	125.99	491.22	31.97	125.99	491.22	-143.97	0.03
581	1/10/2021 21:11	1/10/2021 21:12	0:01:00	3.71	149.99	487.22	0.70	152.11	487.16	-142.85	1.15
582	1/10/2021 21:14	1/10/2021 21:14	0:00:00	-3.31	154.94	487.20	-3.31	154.94	487.20	-143.69	0.31
583	1/10/2021 21:14	1/10/2021 21:14	0:00:00	-5.32	156.36	487.28	-5.32	156.36	487.28	-143.72	0.28
584	1/10/2021 21:16	1/10/2021 21:17	0:01:00	-11.79	161.07	487.76	-14.75	163.31	488.09	-142.60	1.40
585	1/10/2021 21:18	1/10/2021 21:19	0:00:11	-17.68	165.63	488.49	-18.16	166.02	488.56	-143.80	0.20
586	1/10/2021 21:22	1/10/2021 21:22	0:00:00	-26.68	173.59	490.04	-26.68	173.59	490.04	-143.81	0.19
587	1/10/2021 21:58	1/10/2021 22:01	0:02:29	-3.51	-41.82	479.24	4.04	-36.51	479.29	-143.05	0.95
588	1/10/2021 22:04	1/10/2021 22:05	0:00:30	14.99	-28.46	480.64	16.46	-27.31	480.93	-143.01	0.99
589	1/10/2021 22:09	1/10/2021 22:09	0:00:30	26.47	-18.57	483.53	27.85	-17.20	483.96	-143.81	0.19
590	1/10/2021 22:13	1/10/2021 22:13	0:00:20	36.93	-6.40	487.20	37.73	-5.24	487.52	-143.55	0.45
591	1/10/2021 23:20	1/10/2021 23:20	0:00:10	-38.94	-99.26	487.81	-38.55	-98.65	487.65	-143.51	0.49
592	1/10/2021 23:23	1/10/2021 23:23	0:00:00	-31.04	-88.84	484.87	-31.04	-88.84	484.87	-143.82	0.18
593	1/10/2021 23:33	1/10/2021 23:35	0:02:30	-3.08	-65.45	479.22	4.46	-60.14	479.31	-142.97	1.03
594	1/10/2021 23:39	1/10/2021 23:39	0:00:31	15.41	-52.06	480.72	16.87	-50.90	481.01	-143.17	0.83
595	1/10/2021 23:43	1/10/2021 23:43	0:00:20	26.86	-42.11	483.66	27.78	-41.20	483.95	-143.85	0.15
596	1/10/2021 23:47	1/10/2021 23:47	0:00:11	37.26	-29.84	487.36	37.66	-29.25	487.52	-143.71	0.29
597	1/11/2021 0:20	1/11/2021 0:21	0:00:50	2.87	102.74	487.27	0.36	104.50	487.23	-142.93	1.07
598	1/11/2021 0:21	1/11/2021 0:21	0:00:00	-1.15	105.56	487.23	-1.15	105.56	487.23	-143.97	0.03
599	1/11/2021 0:22	1/11/2021 0:22	0:00:09	-3.65	107.33	487.28	-4.16	107.68	487.30	-143.45	0.55
600	1/11/2021 0:23	1/11/2021 0:23	0:00:00	-6.16	109.11	487.38	-6.16	109.11	487.38	-143.70	0.30

Table 9 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)
601	1/11/2021 0:25	1/11/2021 0:26	0:01:09	-12.13	113.47	487.85	-15.57	116.10	488.25	-142.29	1.71
602	1/11/2021 0:27	1/11/2021 0:27	0:00:20	-18.01	118.04	488.59	-18.98	118.84	488.73	-143.78	0.22
603	1/11/2021 0:30	1/11/2021 0:30	0:00:09	-26.99	126.05	490.15	-27.45	126.51	490.24	-143.74	0.26
604	1/11/2021 0:54	1/11/2021 0:54	0:00:20	-39.00	-123.29	487.95	-38.22	-122.08	487.64	-143.52	0.48
605	1/11/2021 0:57	1/11/2021 0:57	0:00:00	-30.67	-112.35	484.86	-30.67	-112.35	484.86	-143.89	0.11
606	1/11/2021 1:07	1/11/2021 1:10	0:02:30	-2.66	-89.08	479.32	4.88	-83.77	479.44	-142.94	1.06
607	1/11/2021 1:59	1/11/2021 2:00	0:01:10	-12.54	89.85	487.82	-15.98	92.50	488.24	-142.18	1.82
608	1/11/2021 2:01	1/11/2021 2:01	0:00:19	-18.41	94.45	488.60	-19.38	95.24	488.75	-143.79	0.21
609	1/11/2021 2:04	1/11/2021 2:04	0:00:10	-27.38	102.51	490.21	-27.83	102.97	490.31	-143.71	0.29
610	1/11/2021 2:41	1/11/2021 2:44	0:02:30	-2.25	-112.72	479.46	5.30	-107.40	479.59	-142.95	1.05
611	1/11/2021 4:16	1/11/2021 4:18	0:02:30	-1.83	-136.35	479.49	5.71	-131.03	479.66	-142.99	1.01
612	1/11/2021 4:22	1/11/2021 4:23	0:01:00	16.14	-123.27	481.07	19.06	-120.91	481.69	-143.35	0.65
613	1/11/2021 4:26	1/11/2021 4:26	0:00:00	28.00	-112.75	484.13	28.00	-112.75	484.13	-143.99	0.01
614	1/11/2021 5:37	1/11/2021 5:37	0:00:19	-38.42	165.85	487.89	-37.63	167.03	487.58	-143.28	0.72
615	1/11/2021 5:40	1/11/2021 5:40	0:00:00	-30.00	176.60	484.82	-30.00	176.60	484.82	-143.80	0.20
616	1/11/2021 5:50	1/11/2021 5:52	0:01:59	-1.40	-159.98	479.44	4.63	-155.72	479.55	-143.07	0.93
617	1/11/2021 6:37	1/11/2021 6:38	0:01:01	1.69	7.86	486.95	-1.32	9.98	486.95	-142.88	1.12
618	1/11/2021 6:39	1/11/2021 6:39	0:00:11	-4.83	12.46	487.05	-5.33	12.81	487.07	-143.85	0.15
619	1/11/2021 6:40	1/11/2021 6:40	0:00:00	-7.33	14.24	487.19	-7.33	14.24	487.19	-143.69	0.31
620	1/11/2021 6:42	1/11/2021 6:43	0:01:20	-13.29	18.64	487.73	-17.21	21.69	488.25	-142.01	1.99
621	1/11/2021 6:44	1/11/2021 6:44	0:00:20	-19.15	23.27	488.55	-20.11	24.08	488.71	-143.76	0.24
622	1/11/2021 6:47	1/11/2021 6:47	0:00:09	-28.52	31.89	490.30	-28.98	32.36	490.40	-143.69	0.31
623	1/11/2021 7:11	1/11/2021 7:12	0:00:20	-38.09	142.43	487.68	-37.29	143.60	487.37	-143.09	0.91
624	1/11/2021 7:24	1/11/2021 7:26	0:01:29	-0.98	176.40	479.35	3.55	179.59	479.42	-143.06	0.94
625	1/11/2021 7:26	1/11/2021 7:27	0:00:19	5.06	-179.35	479.51	6.06	-178.63	479.58	-143.39	0.61
626	1/11/2021 7:30	1/11/2021 7:31	0:00:50	16.97	-170.46	481.14	19.39	-168.49	481.68	-143.44	0.56
627	1/11/2021 8:11	1/11/2021 8:12	0:00:49	1.27	-15.77	487.05	-1.24	-14.00	487.05	-142.91	1.09
628	1/11/2021 8:14	1/11/2021 8:14	0:00:09	-5.26	-11.17	487.17	-5.76	-10.81	487.20	-143.76	0.24
629	1/11/2021 8:14	1/11/2021 8:14	0:00:00	-7.75	-9.38	487.32	-7.75	-9.38	487.32	-143.61	0.39
630	1/11/2021 8:16	1/11/2021 8:18	0:01:20	-13.71	-4.97	487.89	-17.62	-1.90	488.41	-142.05	1.95
631	1/11/2021 8:18	1/11/2021 8:19	0:00:21	-19.55	-0.32	488.71	-20.51	0.49	488.87	-143.76	0.24
632	1/11/2021 8:22	1/11/2021 8:22	0:00:09	-28.90	8.36	490.46	-29.35	8.84	490.56	-143.67	0.33
633	1/11/2021 8:45	1/11/2021 8:46	0:00:30	-38.15	118.41	487.64	-36.95	120.16	487.17	-142.99	1.01
634	1/11/2021 8:59	1/11/2021 9:00	0:01:40	-1.06	152.42	479.27	3.97	155.96	479.36	-143.00	1.00
635	1/11/2021 9:01	1/11/2021 9:01	0:00:20	5.48	157.03	479.45	6.48	157.74	479.52	-143.40	0.60
636	1/11/2021 9:05	1/11/2021 9:05	0:00:50	17.38	165.94	481.15	19.80	167.93	481.69	-143.52	0.48
637	1/11/2021 9:46	1/11/2021 9:47	0:00:50	0.84	-39.39	487.17	-1.67	-37.63	487.19	-142.91	1.09
638	1/11/2021 9:47	1/11/2021 9:47	0:00:00	-3.17	-36.57	487.23	-3.17	-36.57	487.23	-143.99	0.01
639	1/11/2021 9:48	1/11/2021 9:48	0:00:00	-5.68	-34.79	487.33	-5.68	-34.79	487.33	-143.78	0.22
640	1/11/2021 9:49	1/11/2021 9:49	0:00:00	-8.18	-33.00	487.49	-8.18	-33.00	487.49	-143.60	0.40
641	1/11/2021 9:51	1/11/2021 9:52	0:01:09	-14.12	-28.58	488.09	-17.54	-25.89	488.55	-141.97	2.03
642	1/11/2021 9:53	1/11/2021 9:53	0:00:20	-19.96	-23.90	488.93	-20.92	-23.09	489.09	-143.77	0.23
643	1/11/2021 9:56	1/11/2021 9:56	0:00:11	-29.28	-15.17	490.71	-29.73	-14.69	490.80	-143.64	0.36
644	1/11/2021 11:20	1/11/2021 11:21	0:00:50	0.42	-63.02	487.22	-2.09	-61.26	487.24	-142.88	1.12
645	1/11/2021 11:22	1/11/2021 11:22	0:00:00	-6.10	-58.42	487.41	-6.10	-58.42	487.41	-143.86	0.14
646	1/11/2021 11:23	1/11/2021 11:23	0:00:00	-8.60	-56.62	487.58	-8.60	-56.62	487.58	-143.75	0.25
647	1/11/2021 11:25	1/11/2021 11:26	0:01:10	-14.54	-52.19	488.20	-17.95	-49.49	488.68	-141.77	2.23
648	1/11/2021 11:27	1/11/2021 11:27	0:00:30	-19.88	-47.89	488.99	-21.32	-46.67	489.23	-143.78	0.22
649	1/11/2021 11:30	1/11/2021 11:31	0:00:11	-29.66	-38.69	490.86	-30.11	-38.21	490.96	-143.63	0.37
650	1/11/2021 13:28	1/11/2021 13:29	0:00:29	-37.55	47.53	487.49	-36.34	49.25	487.01	-142.72	1.28
651	1/11/2021 13:44	1/11/2021 13:44	0:00:29	6.24	85.80	479.27	7.74	86.88	479.40	-143.26	0.74
652	1/11/2021 13:48	1/11/2021 13:48	0:00:39	18.60	95.16	481.16	20.53	96.77	481.61	-143.70	0.30
653	1/11/2021 16:06	1/11/2021 16:06	0:00:00	-9.35	-127.85	487.87	-9.35	-127.85	487.87	-143.79	0.21
654	1/11/2021 16:08	1/11/2021 16:09	0:01:19	-15.28	-123.39	488.52	-19.17	-120.27	489.08	-141.43	2.57
655	1/11/2021 16:10	1/11/2021 16:10	0:00:19	-21.09	-118.64	489.40	-22.04	-117.82	489.56	-143.83	0.17
656	1/11/2021 16:13	1/11/2021 16:13	0:00:19	-30.34	-109.74	491.18	-31.22	-108.75	491.36	-143.66	0.34
657	1/11/2021 16:14	1/11/2021 16:14	0:00:00	-32.96	-106.73	491.74	-32.96	-106.73	491.74	-143.94	0.06
658	1/11/2021 16:50	1/11/2021 16:52	0:02:30	0.55	33.92	478.91	8.08	39.27	479.31	-143.07	0.93
659	1/11/2021 16:56	1/11/2021 16:57	0:00:39	18.93	47.58	481.11	20.86	49.20	481.58	-143.79	0.21
660	1/11/2021 17:42	1/11/2021 17:43	0:01:20	-15.69	-146.99	488.62	-19.57	-143.85	489.19	-141.57	2.43

Table 9 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)
661	1/11/2021 17:44	1/11/2021 17:45	0:00:11	-21.96	-141.81	489.60	-22.44	-141.39	489.68	-143.86	0.14
662	1/11/2021 17:48	1/11/2021 17:48	0:00:19	-30.71	-133.25	491.30	-31.59	-132.26	491.49	-143.67	0.33
663	1/11/2021 17:48	1/11/2021 17:48	0:00:00	-33.32	-130.22	491.86	-33.32	-130.22	491.86	-143.91	0.09
664	1/11/2021 18:25	1/11/2021 18:27	0:01:20	4.49	12.77	478.98	8.50	15.64	479.30	-143.01	0.99
665	1/11/2021 18:30	1/11/2021 18:31	0:00:41	19.34	23.99	481.16	21.26	25.62	481.63	-143.85	0.15
666	1/11/2021 18:39	1/11/2021 18:40	0:00:41	41.48	49.90	488.62	42.88	52.60	489.22	-143.22	0.78
667	1/11/2021 19:59	1/11/2021 20:01	0:02:30	1.40	-13.34	478.84	8.92	-7.98	479.31	-143.01	0.99
668	1/11/2021 20:05	1/11/2021 20:05	0:00:39	19.26	0.00	481.11	21.18	1.63	481.57	-143.89	0.11
669	1/11/2021 20:13	1/11/2021 20:14	0:00:41	41.79	26.53	488.71	43.17	29.26	489.31	-143.22	0.78
670	1/11/2021 21:33	1/11/2021 21:36	0:02:30	1.83	-36.96	478.78	9.35	-31.59	479.30	-143.08	0.92
671	1/11/2021 21:39	1/11/2021 21:40	0:00:41	19.67	-23.58	481.16	21.59	-21.95	481.64	-143.91	0.09
672	1/11/2021 21:48	1/11/2021 21:48	0:00:40	42.09	3.17	488.85	43.46	5.93	489.45	-143.22	0.78
673	1/11/2021 22:46	1/11/2021 22:46	0:00:00	-50.85	-131.99	493.45	-50.85	-131.99	493.45	-143.88	0.12
674	1/11/2021 22:52	1/11/2021 22:52	0:00:00	-41.33	-102.19	488.75	-41.33	-102.19	488.75	-143.72	0.28
675	1/11/2021 22:54	1/11/2021 22:55	0:00:30	-35.91	-93.72	486.52	-34.66	-92.07	486.04	-142.31	1.69
676	1/11/2021 22:57	1/11/2021 22:57	0:00:00	-27.16	-83.64	483.40	-27.16	-83.64	483.40	-143.79	0.21
677	1/12/2021 2:16	1/12/2021 2:18	0:02:30	2.59	-108.21	479.03	10.11	-102.82	479.59	-143.14	0.86
678	1/12/2021 3:34	1/12/2021 3:34	0:00:00	-40.78	-172.99	488.87	-40.78	-172.99	488.87	-143.60	0.40
679	1/12/2021 3:37	1/12/2021 3:37	0:00:29	-35.28	-164.66	486.65	-34.02	-163.04	486.17	-142.49	1.51
680	1/12/2021 3:40	1/12/2021 3:40	0:00:00	-26.46	-154.73	483.55	-26.46	-154.73	483.55	-143.89	0.11
681	1/12/2021 3:50	1/12/2021 3:53	0:02:30	3.02	-131.83	479.09	10.52	-126.44	479.68	-143.13	0.87
682	1/12/2021 5:09	1/12/2021 5:09	0:00:00	-40.47	163.63	488.68	-40.47	163.63	488.68	-143.11	0.89
683	1/12/2021 5:11	1/12/2021 5:12	0:00:30	-34.92	171.88	486.46	-33.66	173.49	485.98	-142.23	1.77
684	1/12/2021 5:15	1/12/2021 5:15	0:00:00	-26.07	-178.28	483.38	-26.07	-178.28	483.38	-143.78	0.22
685	1/12/2021 6:43	1/12/2021 6:43	0:00:00	-40.15	140.25	488.47	-40.15	140.25	488.47	-143.36	0.64
686	1/12/2021 6:45	1/12/2021 6:46	0:00:31	-34.57	148.41	486.24	-33.29	150.01	485.76	-142.12	1.88
687	1/12/2021 6:49	1/12/2021 6:49	0:00:00	-25.68	158.17	483.17	-25.68	158.17	483.17	-143.86	0.14
688	1/12/2021 6:59	1/12/2021 7:01	0:02:19	3.87	-179.08	479.01	10.87	-174.03	479.64	-143.19	0.81
689	1/12/2021 7:05	1/12/2021 7:05	0:00:50	21.14	-165.90	481.62	23.52	-163.80	482.25	-143.71	0.29
690	1/12/2021 8:17	1/12/2021 8:17	0:00:09	-40.21	116.22	488.43	-39.83	116.85	488.28	-143.65	0.35
691	1/12/2021 8:20	1/12/2021 8:20	0:00:41	-34.63	124.41	486.19	-32.93	126.52	485.55	-142.32	1.68
692	1/12/2021 8:33	1/12/2021 8:35	0:02:29	3.79	156.94	478.93	11.29	162.36	479.61	-143.24	0.76
693	1/12/2021 8:39	1/12/2021 8:40	0:00:50	21.55	170.53	481.65	23.92	172.64	482.28	-143.69	0.31
694	1/12/2021 9:20	1/12/2021 9:21	0:00:50	-4.00	-34.87	487.60	-6.50	-33.09	487.73	-142.91	1.09
695	1/12/2021 9:25	1/12/2021 9:27	0:01:21	-18.83	-23.74	489.14	-22.65	-20.46	489.80	-141.59	2.41
696	1/12/2021 9:28	1/12/2021 9:28	0:00:00	-25.46	-17.88	490.33	-25.46	-17.88	490.33	-143.90	0.10
697	1/12/2021 9:31	1/12/2021 9:31	0:00:09	-34.36	-8.19	492.21	-34.78	-7.65	492.30	-143.88	0.12
698	1/12/2021 10:55	1/12/2021 10:55	0:00:50	-4.43	-58.50	487.67	-6.93	-56.72	487.82	-142.91	1.09
699	1/12/2021 10:56	1/12/2021 10:56	0:00:00	-8.42	-55.64	487.93	-8.42	-55.64	487.93	-143.96	0.04
700	1/12/2021 11:00	1/12/2021 11:01	0:01:20	-19.24	-47.32	489.28	-23.05	-44.03	489.95	-141.54	2.46
701	1/12/2021 11:02	1/12/2021 11:02	0:00:00	-25.86	-41.43	490.49	-25.86	-41.43	490.49	-143.90	0.10
702	1/12/2021 11:05	1/12/2021 11:05	0:00:10	-34.72	-31.66	492.37	-35.13	-31.11	492.46	-143.86	0.14
703	1/12/2021 11:43	1/12/2021 11:44	0:01:20	8.15	112.20	479.01	12.13	115.13	479.49	-143.21	0.79
704	1/12/2021 11:48	1/12/2021 11:48	0:00:59	21.88	122.97	481.46	24.71	125.53	482.23	-143.63	0.37
705	1/12/2021 11:57	1/12/2021 11:57	0:00:29	44.31	152.46	489.44	45.24	154.67	489.86	-143.04	0.96
706	1/12/2021 12:29	1/12/2021 12:30	0:00:50	-4.85	-82.12	487.76	-7.35	-80.33	487.92	-142.90	1.10
707	1/12/2021 12:30	1/12/2021 12:30	0:00:00	-8.85	-79.25	488.04	-8.85	-79.25	488.04	-143.94	0.06
708	1/12/2021 12:34	1/12/2021 12:35	0:01:19	-19.64	-70.90	489.44	-23.45	-67.59	490.11	-141.53	2.47
709	1/12/2021 12:36	1/12/2021 12:36	0:00:00	-26.25	-64.97	490.66	-26.25	-64.97	490.66	-143.94	0.06
710	1/12/2021 12:39	1/12/2021 12:39	0:00:00	-35.07	-55.12	492.53	-35.07	-55.12	492.53	-143.85	0.15
711	1/12/2021 13:16	1/12/2021 13:18	0:02:30	5.07	86.07	478.76	12.55	91.52	479.54	-143.21	0.79
712	1/12/2021 13:22	1/12/2021 13:23	0:00:59	22.28	99.40	481.57	25.10	101.97	482.36	-143.56	0.44
713	1/12/2021 13:31	1/12/2021 13:31	0:00:30	44.57	129.15	489.65	45.50	131.39	490.07	-142.98	1.02
714	1/12/2021 14:34	1/12/2021 14:35	0:00:10	-39.31	22.00	488.12	-38.92	22.61	487.96	-143.42	0.58
715	1/12/2021 14:37	1/12/2021 14:37	0:00:29	-33.20	30.49	485.65	-31.90	32.03	485.16	-142.46	1.54
716	1/12/2021 15:05	1/12/2021 15:06	0:00:31	44.84	105.84	489.73	45.75	108.10	490.15	-142.99	1.01
717	1/12/2021 15:37	1/12/2021 15:38	0:01:00	-5.19	-129.73	487.94	-8.19	-127.58	488.14	-142.91	1.09
718	1/12/2021 15:42	1/12/2021 15:44	0:01:20	-20.45	-118.08	489.69	-24.24	-114.73	490.37	-141.62	2.38
719	1/12/2021 15:48	1/12/2021 15:48	0:00:00	-35.77	-102.05	492.75	-35.77	-102.05	492.75	-143.88	0.12
720	1/12/2021 17:17	1/12/2021 17:18	0:01:20	-20.86	-141.66	489.81	-24.64	-138.29	490.49	-141.75	2.25

Table 9 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)
721	1/12/2021 17:23	1/12/2021 17:23	0:00:00	-36.11	-125.50	492.86	-36.11	-125.50	492.86	-143.90	0.10
722	1/12/2021 17:45	1/12/2021 17:46	0:00:41	-32.90	-17.00	485.41	-31.16	-14.98	484.76	-142.59	1.41
723	1/12/2021 17:49	1/12/2021 17:49	0:00:00	-23.85	-7.60	482.32	-23.85	-7.60	482.32	-143.66	0.34
724	1/12/2021 17:59	1/12/2021 18:01	0:02:30	5.83	14.84	478.63	13.31	20.32	479.49	-143.30	0.70
725	1/12/2021 18:05	1/12/2021 18:06	0:01:01	23.00	28.26	481.61	25.82	30.87	482.41	-143.49	0.51
726	1/12/2021 18:46	1/12/2021 18:47	0:00:50	-6.04	-176.98	488.04	-8.54	-175.18	488.22	-142.94	1.06
727	1/12/2021 18:51	1/12/2021 18:53	0:01:20	-21.26	-165.24	489.88	-25.03	-161.84	490.57	-141.70	2.30
728	1/12/2021 19:17	1/12/2021 19:18	0:00:11	-38.72	-48.84	487.73	-38.33	-48.24	487.56	-143.46	0.54
729	1/12/2021 19:20	1/12/2021 19:20	0:00:30	-32.54	-40.49	485.24	-31.23	-38.98	484.75	-142.53	1.47
730	1/12/2021 19:23	1/12/2021 19:23	0:00:00	-23.45	-31.16	482.17	-23.45	-31.16	482.17	-143.70	0.30
731	1/12/2021 19:33	1/12/2021 19:35	0:02:19	6.26	-8.79	478.63	13.23	-3.67	479.44	-143.29	0.71
732	1/12/2021 19:39	1/12/2021 19:40	0:01:01	23.41	4.70	481.68	26.21	7.32	482.49	-143.52	0.48
733	1/12/2021 19:48	1/12/2021 19:49	0:00:20	45.61	35.97	489.96	46.19	37.51	490.24	-143.53	0.47
734	1/12/2021 20:20	1/12/2021 20:21	0:00:50	-6.47	159.40	488.05	-8.96	161.20	488.24	-142.93	1.07
735	1/12/2021 20:22	1/12/2021 20:22	0:00:00	-10.45	162.29	488.38	-10.45	162.29	488.38	-143.89	0.11
736	1/12/2021 20:25	1/12/2021 20:27	0:01:21	-21.19	170.78	489.85	-24.96	174.17	490.53	-141.61	2.39
737	1/12/2021 21:08	1/12/2021 21:10	0:02:19	6.69	-32.41	478.60	13.66	-27.27	479.46	-143.27	0.73
738	1/12/2021 21:13	1/12/2021 21:14	0:01:00	23.81	-18.86	481.76	26.61	-16.22	482.59	-143.44	0.56
739	1/12/2021 21:22	1/12/2021 21:23	0:00:21	45.86	12.70	490.10	46.44	14.25	490.38	-143.59	0.41
740	1/12/2021 22:26	1/12/2021 22:26	0:00:00	-38.05	-95.67	487.33	-38.05	-95.67	487.33	-143.15	0.85
741	1/12/2021 22:28	1/12/2021 22:29	0:00:41	-32.23	-87.98	485.02	-30.47	-85.99	484.37	-142.63	1.37
742	1/12/2021 22:32	1/12/2021 22:32	0:00:00	-23.12	-78.71	481.97	-23.12	-78.71	481.97	-143.84	0.16
743	1/12/2021 22:42	1/12/2021 22:44	0:02:21	7.11	-56.02	478.62	14.08	-50.87	479.52	-143.28	0.72
744	1/12/2021 22:48	1/12/2021 22:49	0:00:59	24.21	-42.42	481.88	27.00	-39.75	482.72	-143.35	0.65
745	1/12/2021 23:34	1/12/2021 23:35	0:01:19	-22.00	123.63	490.04	-25.75	127.07	490.73	-141.50	2.50
746	1/12/2021 23:40	1/12/2021 23:40	0:00:00	-37.49	140.74	493.16	-37.49	140.74	493.16	-143.99	0.01
747	1/13/2021 0:00	1/13/2021 0:00	0:00:10	-38.11	-119.69	487.46	-37.72	-119.10	487.30	-143.19	0.81
748	1/13/2021 0:01	1/13/2021 0:01	0:00:00	-35.69	-116.24	486.47	-35.69	-116.24	486.47	-143.99	0.01
749	1/13/2021 0:03	1/13/2021 0:03	0:00:40	-31.86	-111.48	484.99	-30.09	-109.50	484.34	-142.71	1.29
750	1/13/2021 0:06	1/13/2021 0:06	0:00:00	-22.71	-102.28	481.96	-22.71	-102.28	481.96	-143.60	0.40
751	1/13/2021 0:16	1/13/2021 0:16	0:00:20	7.54	-79.65	478.76	8.54	-78.92	478.86	-143.74	0.26
752	1/13/2021 1:03	1/13/2021 1:04	0:00:59	-7.24	88.18	488.09	-10.23	90.35	488.35	-142.95	1.05
753	1/13/2021 1:08	1/13/2021 1:10	0:01:20	-22.40	100.06	490.08	-26.15	103.52	490.79	-141.52	2.48
754	1/13/2021 3:09	1/13/2021 3:09	0:00:09	-37.44	-166.55	487.45	-37.04	-165.97	487.29	-143.23	0.77
755	1/13/2021 3:10	1/13/2021 3:10	0:00:00	-34.99	-163.17	486.46	-34.99	-163.17	486.46	-143.88	0.12
756	1/13/2021 3:11	1/13/2021 3:12	0:00:29	-31.12	-158.49	484.99	-29.79	-157.03	484.51	-142.64	1.36
757	1/13/2021 3:15	1/13/2021 3:15	0:00:00	-21.91	-149.43	482.00	-21.91	-149.43	482.00	-143.80	0.20
758	1/13/2021 3:19	1/13/2021 3:19	0:00:00	-8.69	-139.02	479.27	-8.69	-139.02	479.27	-144.00	0.00
759	1/13/2021 3:25	1/13/2021 3:27	0:02:01	7.88	-127.25	478.96	13.84	-122.83	479.71	-143.36	0.64
760	1/13/2021 3:30	1/13/2021 3:32	0:01:11	24.93	-113.53	482.23	28.16	-110.37	483.20	-143.38	0.62
761	1/13/2021 4:43	1/13/2021 4:43	0:00:11	-37.10	170.02	487.25	-36.70	170.59	487.09	-143.09	0.91
762	1/13/2021 4:44	1/13/2021 4:44	0:00:11	-35.05	172.82	486.43	-34.63	173.37	486.27	-143.96	0.04
763	1/13/2021 4:46	1/13/2021 4:46	0:00:30	-30.74	178.00	484.80	-29.40	179.46	484.32	-142.66	1.34
764	1/13/2021 4:49	1/13/2021 4:49	0:00:00	-21.98	-173.41	481.97	-21.98	-173.41	481.97	-143.93	0.07
765	1/13/2021 5:46	1/13/2021 5:47	0:00:50	-8.51	17.31	487.99	-11.00	19.14	488.23	-142.95	1.05
766	1/13/2021 5:48	1/13/2021 5:48	0:00:00	-12.48	20.24	488.40	-12.48	20.24	488.40	-143.80	0.20
767	1/13/2021 5:51	1/13/2021 5:53	0:01:10	-23.60	29.35	490.14	-26.86	32.43	490.78	-141.67	2.33
768	1/13/2021 6:17	1/13/2021 6:17	0:00:09	-37.16	146.01	487.20	-36.76	146.59	487.04	-143.11	0.89
769	1/13/2021 6:18	1/13/2021 6:18	0:00:00	-34.69	149.36	486.21	-34.69	149.36	486.21	-143.87	0.13
770	1/13/2021 6:20	1/13/2021 6:20	0:00:39	-30.81	154.01	484.74	-29.02	155.94	484.11	-142.68	1.32
771	1/13/2021 6:22	1/13/2021 6:22	0:00:00	-23.95	160.91	482.47	-23.95	160.91	482.47	-143.95	0.05
772	1/13/2021 6:23	1/13/2021 6:23	0:00:00	-21.58	163.02	481.78	-21.58	163.02	481.78	-143.64	0.36
773	1/13/2021 6:33	1/13/2021 6:35	0:01:59	8.73	-174.49	478.95	14.69	-170.04	479.77	-143.33	0.67
774	1/13/2021 7:52	1/13/2021 7:52	0:00:11	-36.82	122.58	486.99	-36.41	123.14	486.83	-143.23	0.77
775	1/13/2021 7:53	1/13/2021 7:53	0:00:00	-34.34	125.90	486.00	-34.34	125.90	486.00	-143.79	0.21
776	1/13/2021 7:54	1/13/2021 7:55	0:00:30	-30.43	130.50	484.53	-29.09	131.95	484.05	-142.73	1.27
777	1/13/2021 7:57	1/13/2021 7:57	0:00:00	-23.55	137.35	482.26	-23.55	137.35	482.26	-143.94	0.06
778	1/13/2021 7:58	1/13/2021 7:58	0:00:00	-21.17	139.45	481.59	-21.17	139.45	481.59	-143.48	0.52
779	1/13/2021 8:08	1/13/2021 8:10	0:02:00	9.16	161.90	478.91	15.11	166.37	479.77	-143.34	0.66
780	1/13/2021 8:14	1/13/2021 8:15	0:01:00	26.12	175.83	482.44	28.86	178.59	483.30	-143.19	0.81

Table 9 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)
781	1/13/2021 8:55	1/13/2021 8:56	0:01:00	-8.86	-30.28	488.26	-11.84	-28.09	488.56	-142.97	1.03
782	1/13/2021 9:00	1/13/2021 9:01	0:01:20	-23.93	-18.19	490.43	-27.64	-14.64	491.17	-141.53	2.47
783	1/13/2021 9:06	1/13/2021 9:06	0:00:00	-39.09	-0.38	493.63	-39.09	-0.38	493.63	-143.99	0.01
784	1/13/2021 9:26	1/13/2021 9:26	0:00:11	-36.47	99.13	486.88	-36.06	99.70	486.72	-143.16	0.84
785	1/13/2021 9:27	1/13/2021 9:27	0:00:11	-34.40	101.89	486.04	-33.98	102.42	485.88	-143.80	0.20
786	1/13/2021 9:28	1/13/2021 9:29	0:00:30	-30.05	106.99	484.39	-28.70	108.42	483.92	-142.70	1.30
787	1/13/2021 9:31	1/13/2021 9:31	0:00:00	-23.15	113.78	482.11	-23.15	113.78	482.11	-143.96	0.04
788	1/13/2021 9:32	1/13/2021 9:32	0:00:00	-20.76	115.87	481.44	-20.76	115.87	481.44	-143.68	0.32
789	1/13/2021 9:36	1/13/2021 9:36	0:00:00	-7.49	126.15	478.85	-7.49	126.15	478.85	-144.00	0.00
790	1/13/2021 10:29	1/13/2021 10:30	0:00:50	-9.29	-53.90	488.36	-11.77	-52.06	488.62	-142.99	1.01
791	1/13/2021 10:34	1/13/2021 10:35	0:01:19	-24.34	-41.75	490.59	-28.03	-38.17	491.33	-141.62	2.38
792	1/13/2021 11:33	1/13/2021 11:33	0:00:09	49.46	169.52	491.53	49.65	170.41	491.64	-143.91	0.09
793	1/13/2021 11:47	1/13/2021 11:48	0:00:11	36.27	-116.47	491.96	35.86	-115.91	491.88	-143.85	0.15
794	1/13/2021 12:03	1/13/2021 12:04	0:00:51	-9.71	-77.51	488.47	-12.19	-75.67	488.75	-142.99	1.01
795	1/13/2021 12:05	1/13/2021 12:05	0:00:00	-13.67	-74.55	488.93	-13.67	-74.55	488.93	-143.94	0.06
796	1/13/2021 12:08	1/13/2021 12:10	0:01:20	-24.73	-65.30	490.76	-28.41	-61.70	491.50	-141.88	2.12
797	1/13/2021 12:50	1/13/2021 12:53	0:02:01	9.93	90.69	478.75	15.87	95.19	479.65	-143.37	0.63
798	1/13/2021 12:56	1/13/2021 12:58	0:01:10	26.84	104.75	482.39	30.01	108.03	483.41	-143.40	0.60
799	1/13/2021 13:07	1/13/2021 13:07	0:00:00	49.63	146.35	491.73	49.63	146.35	491.73	-143.91	0.09
800	1/13/2021 14:09	1/13/2021 14:09	0:00:09	-35.84	28.22	486.63	-35.42	28.78	486.46	-143.08	0.92
801	1/13/2021 14:10	1/13/2021 14:10	0:00:00	-33.31	31.46	485.61	-33.31	31.46	485.61	-143.71	0.29
802	1/13/2021 14:11	1/13/2021 14:12	0:00:30	-29.36	35.95	484.12	-28.00	37.37	483.64	-142.66	1.34
803	1/13/2021 14:14	1/13/2021 14:14	0:00:00	-22.41	42.66	481.84	-22.41	42.66	481.84	-143.81	0.19
804	1/13/2021 14:15	1/13/2021 14:15	0:00:00	-20.02	44.72	481.16	-20.02	44.72	481.16	-143.48	0.52
805	1/13/2021 14:31	1/13/2021 14:32	0:00:50	27.68	81.67	482.60	29.94	84.03	483.34	-143.36	0.64
806	1/13/2021 14:41	1/13/2021 14:41	0:00:00	49.78	123.19	491.80	49.78	123.19	491.80	-143.89	0.11
807	1/13/2021 15:12	1/13/2021 15:13	0:00:50	-10.55	-124.74	488.71	-13.03	-122.89	488.99	-142.98	1.02
808	1/13/2021 15:13	1/13/2021 15:13	0:00:00	-14.50	-121.77	489.18	-14.50	-121.77	489.18	-143.73	0.27
809	1/13/2021 15:17	1/13/2021 15:18	0:01:09	-25.52	-112.41	491.02	-28.73	-109.23	491.66	-141.78	2.22
810	1/13/2021 16:47	1/13/2021 16:47	0:00:31	-11.96	-147.62	488.91	-13.45	-146.50	489.09	-142.99	1.01
811	1/13/2021 16:48	1/13/2021 16:48	0:00:00	-14.92	-145.37	489.28	-14.92	-145.37	489.28	-143.92	0.08
812	1/13/2021 16:51	1/13/2021 16:53	0:01:21	-25.45	-136.41	491.05	-29.11	-132.75	491.78	-141.74	2.26
813	1/13/2021 17:20	1/13/2021 17:20	0:00:00	-27.23	-9.70	483.24	-27.23	-9.70	483.24	-143.71	0.29
814	1/13/2021 17:22	1/13/2021 17:23	0:00:11	-22.08	-4.90	481.60	-21.60	-4.48	481.47	-143.86	0.14
815	1/13/2021 17:23	1/13/2021 17:23	0:00:00	-19.20	-2.45	480.81	-19.20	-2.45	480.81	-143.75	0.25
816	1/13/2021 17:28	1/13/2021 17:28	0:00:00	-5.86	7.69	478.41	-5.86	7.69	478.41	-143.99	0.01
817	1/13/2021 17:34	1/13/2021 17:35	0:01:59	11.20	19.85	478.74	17.11	24.40	479.73	-143.38	0.62
818	1/13/2021 17:39	1/13/2021 17:40	0:01:00	28.00	34.14	482.61	30.70	37.01	483.50	-143.24	0.76
819	1/13/2021 18:05	1/13/2021 18:05	0:00:09	35.28	149.16	491.98	34.87	149.71	491.90	-143.83	0.17
820	1/13/2021 18:20	1/13/2021 18:21	0:00:31	-10.90	-172.34	488.80	-12.39	-171.23	488.97	-143.04	0.96
821	1/13/2021 18:52	1/13/2021 18:52	0:00:20	-35.20	-42.70	486.22	-34.36	-41.61	485.88	-142.93	1.07
822	1/13/2021 18:53	1/13/2021 18:53	0:00:11	-32.65	-39.51	485.20	-32.22	-39.00	485.03	-143.74	0.26
823	1/13/2021 18:54	1/13/2021 18:55	0:00:30	-28.21	-34.62	483.55	-26.84	-33.24	483.07	-142.66	1.34
824	1/13/2021 18:57	1/13/2021 18:57	0:00:09	-21.68	-28.47	481.46	-21.20	-28.06	481.32	-143.80	0.20
825	1/13/2021 18:58	1/13/2021 18:58	0:00:09	-19.27	-26.43	480.80	-18.79	-26.03	480.67	-143.89	0.11
826	1/13/2021 19:39	1/13/2021 19:39	0:00:09	34.93	125.70	491.88	34.51	126.24	491.80	-143.78	0.22
827	1/13/2021 19:55	1/13/2021 19:56	0:00:50	-11.32	164.05	488.83	-13.79	165.91	489.12	-143.02	0.98
828	1/13/2021 19:56	1/13/2021 19:56	0:00:00	-15.27	167.05	489.31	-15.27	167.05	489.31	-143.99	0.01
829	1/13/2021 20:00	1/13/2021 20:01	0:01:20	-26.24	176.50	491.18	-29.87	-179.79	491.91	-141.93	2.07
830	1/13/2021 20:37	1/13/2021 20:37	0:00:00	-5.00	-39.55	478.23	-5.00	-39.55	478.23	-144.00	0.00
831	1/13/2021 20:42	1/13/2021 20:43	0:01:29	11.55	-27.74	478.70	15.99	-24.34	479.43	-143.41	0.59
832	1/13/2021 21:13	1/13/2021 21:13	0:00:09	34.99	101.70	491.93	34.57	102.24	491.86	-143.77	0.23
833	1/13/2021 21:29	1/13/2021 21:30	0:00:50	-11.75	140.44	488.93	-14.22	142.31	489.22	-143.00	1.00
834	1/13/2021 22:16	1/13/2021 22:18	0:02:00	11.98	-51.35	478.74	17.88	-46.76	479.80	-143.38	0.62
835	1/13/2021 23:35	1/13/2021 23:35	0:00:11	-34.12	-113.09	485.77	-33.69	-112.56	485.60	-142.98	1.02
836	1/13/2021 23:35	1/13/2021 23:36	0:00:11	-31.97	-110.49	484.93	-31.53	-109.99	484.76	-143.70	0.30
837	1/13/2021 23:37	1/13/2021 23:38	0:00:31	-27.49	-105.67	483.30	-26.11	-104.31	482.83	-142.63	1.37
838	1/13/2021 23:40	1/13/2021 23:40	0:00:09	-20.92	-99.60	481.25	-20.44	-99.19	481.11	-143.74	0.26
839	1/13/2021 23:40	1/13/2021 23:40	0:00:00	-18.03	-97.18	480.49	-18.03	-97.18	480.49	-143.62	0.38
840	1/14/2021 0:38	1/14/2021 0:39	0:00:59	-12.10	92.85	488.91	-15.05	95.11	489.29	-143.00	1.00

Table 9 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)
841	1/14/2021 0:39	1/14/2021 0:39	0:00:00	-16.52	96.26	489.50	-16.52	96.26	489.50	-143.85	0.15
842	1/14/2021 0:43	1/14/2021 0:44	0:01:10	-27.42	105.88	491.45	-30.57	109.19	492.11	-141.88	2.12
843	1/14/2021 1:56	1/14/2021 1:56	0:00:11	33.91	31.29	491.53	33.48	31.82	491.45	-143.78	0.22
844	1/14/2021 2:17	1/14/2021 2:18	0:01:20	-27.35	81.89	491.36	-30.95	85.69	492.12	-141.89	2.11
845	1/14/2021 2:43	1/14/2021 2:43	0:00:19	-33.82	-160.57	485.94	-32.96	-159.52	485.60	-142.88	1.12
846	1/14/2021 2:44	1/14/2021 2:44	0:00:00	-31.22	-157.49	484.93	-31.22	-157.49	484.93	-143.65	0.35
847	1/14/2021 2:46	1/14/2021 2:46	0:00:30	-26.71	-152.75	483.31	-25.32	-151.41	482.85	-142.64	1.36
848	1/14/2021 2:48	1/14/2021 2:48	0:00:11	-20.11	-146.76	481.30	-19.63	-146.36	481.17	-143.71	0.29
849	1/14/2021 2:49	1/14/2021 2:49	0:00:11	-17.69	-144.76	480.67	-17.20	-144.37	480.56	-143.81	0.19
850	1/14/2021 2:54	1/14/2021 2:54	0:00:00	-3.79	-134.40	478.46	-3.79	-134.40	478.46	-143.99	0.01
851	1/14/2021 2:59	1/14/2021 3:01	0:01:59	13.24	-122.18	479.17	19.11	-117.53	480.27	-143.41	0.59
852	1/14/2021 3:05	1/14/2021 3:06	0:01:01	29.86	-107.47	483.27	32.51	-104.48	484.17	-143.29	0.71
853	1/14/2021 4:18	1/14/2021 4:18	0:00:19	-33.46	175.96	485.74	-32.59	176.99	485.41	-142.90	1.10
854	1/14/2021 4:18	1/14/2021 4:18	0:00:09	-31.28	178.51	484.91	-30.84	179.01	484.74	-143.58	0.42
855	1/14/2021 4:20	1/14/2021 4:21	0:00:21	-26.32	-176.29	483.14	-25.39	-175.40	482.83	-142.60	1.40
856	1/14/2021 4:23	1/14/2021 4:23	0:00:10	-19.70	-170.34	481.15	-19.21	-169.94	481.02	-143.64	0.36
857	1/14/2021 4:23	1/14/2021 4:23	0:00:00	-17.27	-168.35	480.53	-17.27	-168.35	480.53	-143.57	0.43
858	1/14/2021 5:21	1/14/2021 5:21	0:00:49	-13.37	22.03	488.87	-15.82	23.92	489.20	-143.01	0.99
859	1/14/2021 5:22	1/14/2021 5:22	0:00:00	-17.28	25.09	489.43	-17.28	25.09	489.43	-143.82	0.18
860	1/14/2021 5:26	1/14/2021 5:27	0:01:20	-28.13	34.83	491.44	-31.70	38.68	492.20	-142.02	1.98
861	1/14/2021 5:52	1/14/2021 5:52	0:00:20	-33.09	152.48	485.53	-32.22	153.51	485.19	-142.96	1.04
862	1/14/2021 5:53	1/14/2021 5:53	0:00:09	-30.91	155.01	484.69	-30.46	155.50	484.53	-143.59	0.41
863	1/14/2021 5:54	1/14/2021 5:55	0:00:30	-26.38	159.72	483.09	-24.99	161.05	482.63	-142.59	1.41
864	1/14/2021 5:57	1/14/2021 5:57	0:00:09	-19.28	166.08	480.97	-18.80	166.48	480.84	-143.64	0.36
865	1/14/2021 5:58	1/14/2021 5:58	0:00:00	-16.85	168.06	480.37	-16.85	168.06	480.37	-143.50	0.50
866	1/14/2021 6:08	1/14/2021 6:10	0:01:59	13.59	-169.76	479.14	19.46	-165.09	480.27	-143.41	0.59
867	1/14/2021 6:55	1/14/2021 6:56	0:00:50	-13.79	-1.57	489.01	-16.24	0.33	489.35	-143.00	1.00
868	1/14/2021 6:56	1/14/2021 6:56	0:00:00	-17.70	1.50	489.57	-17.70	1.50	489.57	-143.64	0.36
869	1/14/2021 7:00	1/14/2021 7:01	0:01:10	-28.52	11.30	491.59	-31.64	14.69	492.25	-141.97	2.03
870	1/14/2021 7:26	1/14/2021 7:26	0:00:11	-32.72	129.00	485.31	-32.28	129.51	485.14	-142.91	1.09
871	1/14/2021 7:27	1/14/2021 7:27	0:00:10	-30.53	131.51	484.47	-30.08	132.00	484.31	-143.71	0.29
872	1/14/2021 7:29	1/14/2021 7:29	0:00:30	-25.98	136.18	482.87	-24.59	137.50	482.42	-142.61	1.39
873	1/14/2021 7:31	1/14/2021 7:31	0:00:10	-19.35	142.10	480.90	-18.87	142.50	480.78	-143.71	0.29
874	1/14/2021 7:32	1/14/2021 7:32	0:00:00	-16.43	144.47	480.18	-16.43	144.47	480.18	-143.65	0.35
875	1/14/2021 7:36	1/14/2021 7:36	0:00:00	-3.00	154.39	478.23	-3.00	154.39	478.23	-144.00	0.00
876	1/14/2021 7:42	1/14/2021 7:44	0:02:00	14.02	166.64	479.14	19.87	171.33	480.30	-143.40	0.60
877	1/14/2021 7:48	1/14/2021 7:49	0:01:00	30.57	-178.47	483.39	33.19	-175.44	484.31	-143.37	0.63
878	1/14/2021 8:29	1/14/2021 8:30	0:01:00	-13.72	-25.55	489.14	-16.66	-23.26	489.56	-143.00	1.00
879	1/14/2021 8:31	1/14/2021 8:31	0:00:00	-18.11	-22.09	489.79	-18.11	-22.09	489.79	-143.84	0.16
880	1/14/2021 8:34	1/14/2021 8:36	0:01:11	-28.91	-12.22	491.83	-32.01	-8.81	492.49	-141.94	2.06
881	1/14/2021 9:00	1/14/2021 9:01	0:00:20	-32.78	105.00	485.34	-31.91	106.02	485.00	-142.85	1.15
882	1/14/2021 9:01	1/14/2021 9:02	0:00:11	-30.15	108.00	484.33	-29.70	108.48	484.16	-143.67	0.33
883	1/14/2021 9:03	1/14/2021 9:03	0:00:30	-25.59	112.63	482.72	-24.19	113.95	482.27	-142.67	1.33
884	1/14/2021 9:05	1/14/2021 9:05	0:00:09	-18.94	118.52	480.75	-18.45	118.91	480.62	-143.77	0.23
885	1/14/2021 9:06	1/14/2021 9:06	0:00:09	-16.51	120.49	480.15	-16.02	120.87	480.03	-143.83	0.17
886	1/14/2021 9:11	1/14/2021 9:11	0:00:00	-2.57	130.76	478.11	-2.57	130.76	478.11	-143.99	0.01
887	1/14/2021 9:16	1/14/2021 9:19	0:02:01	14.44	143.04	479.07	20.28	147.75	480.25	-143.41	0.59
888	1/14/2021 10:04	1/14/2021 10:04	0:00:50	-14.14	-49.15	489.27	-16.59	-47.24	489.63	-143.02	0.98
889	1/14/2021 10:09	1/14/2021 10:10	0:01:19	-28.84	-36.21	491.91	-32.38	-32.30	492.67	-141.95	2.05
890	1/14/2021 11:22	1/14/2021 11:22	0:00:20	32.56	-110.62	491.24	31.69	-109.60	491.09	-143.71	0.29
891	1/14/2021 11:38	1/14/2021 11:39	0:00:50	-14.56	-72.75	489.41	-17.01	-70.83	489.77	-143.04	0.96
892	1/14/2021 11:43	1/14/2021 11:44	0:01:20	-29.23	-59.73	492.07	-32.76	-55.78	492.82	-142.05	1.95
893	1/14/2021 12:25	1/14/2021 12:27	0:02:01	14.79	95.46	479.00	20.63	100.19	480.21	-143.43	0.57
894	1/14/2021 12:31	1/14/2021 12:32	0:01:10	31.26	110.53	483.35	34.28	114.14	484.44	-143.39	0.61
895	1/14/2021 13:43	1/14/2021 13:44	0:00:19	-31.67	34.53	484.90	-30.78	35.52	484.56	-142.95	1.05
896	1/14/2021 13:44	1/14/2021 13:44	0:00:10	-29.45	36.98	484.05	-29.00	37.45	483.89	-143.59	0.41
897	1/14/2021 13:46	1/14/2021 13:46	0:00:31	-24.86	41.55	482.44	-23.45	42.84	481.98	-142.57	1.43
898	1/14/2021 13:48	1/14/2021 13:49	0:00:11	-17.69	47.76	480.35	-17.21	48.15	480.23	-143.64	0.36
899	1/14/2021 13:49	1/14/2021 13:49	0:00:00	-15.25	49.70	479.77	-15.25	49.70	479.77	-143.50	0.50
900	1/14/2021 14:05	1/14/2021 14:06	0:01:11	31.63	87.03	483.44	34.64	90.67	484.53	-143.44	0.56

Table 9 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)
901	1/14/2021 14:46	1/14/2021 14:47	0:00:50	-15.40	-119.96	489.67	-17.83	-118.02	490.04	-143.01	0.99
902	1/14/2021 14:48	1/14/2021 14:48	0:00:00	-19.28	-116.83	490.27	-19.28	-116.83	490.27	-143.65	0.35
903	1/14/2021 14:52	1/14/2021 14:53	0:01:09	-29.99	-106.77	492.33	-33.06	-103.27	492.98	-141.98	2.02
904	1/14/2021 16:21	1/14/2021 16:22	0:01:01	-15.33	-143.94	489.70	-18.25	-141.61	490.14	-143.01	0.99
905	1/14/2021 16:22	1/14/2021 16:22	0:00:00	-19.69	-140.41	490.38	-19.69	-140.41	490.38	-143.88	0.12
906	1/14/2021 16:26	1/14/2021 16:27	0:01:09	-30.37	-130.28	492.44	-33.42	-126.75	493.09	-141.94	2.06
907	1/14/2021 16:58	1/14/2021 16:58	0:00:11	-14.90	2.12	479.56	-14.41	2.50	479.45	-143.83	0.17
908	1/14/2021 17:02	1/14/2021 17:02	0:00:00	-0.92	12.30	477.75	-0.92	12.30	477.75	-143.98	0.02
909	1/14/2021 17:08	1/14/2021 17:10	0:01:59	16.05	24.67	479.07	21.85	29.47	480.36	-143.41	0.59
910	1/14/2021 17:14	1/14/2021 17:15	0:01:01	32.38	40.04	483.61	34.94	43.21	484.55	-143.28	0.72
911	1/14/2021 17:39	1/14/2021 17:39	0:00:09	31.07	155.40	491.19	30.63	155.89	491.12	-143.75	0.25
912	1/14/2021 17:55	1/14/2021 17:56	0:00:50	-15.75	-167.53	489.77	-18.18	-165.59	490.14	-143.03	0.97
913	1/14/2021 18:26	1/14/2021 18:27	0:00:20	-30.98	-36.47	484.48	-30.09	-35.49	484.14	-142.85	1.15
914	1/14/2021 18:27	1/14/2021 18:27	0:00:09	-28.74	-34.06	483.64	-28.29	-33.59	483.47	-143.61	0.39
915	1/14/2021 18:29	1/14/2021 18:29	0:00:21	-23.66	-29.12	481.89	-22.71	-28.27	481.59	-142.60	1.40
916	1/14/2021 18:31	1/14/2021 18:31	0:00:10	-16.93	-23.41	480.00	-16.44	-23.02	479.88	-143.66	0.34
917	1/14/2021 18:32	1/14/2021 18:32	0:00:00	-14.48	-21.48	479.44	-14.48	-21.48	479.44	-143.73	0.27
918	1/14/2021 18:37	1/14/2021 18:37	0:00:00	-0.49	-11.33	477.71	-0.49	-11.33	477.71	-143.98	0.02
919	1/14/2021 18:42	1/14/2021 18:44	0:01:49	16.47	1.07	479.11	21.78	5.49	480.30	-143.42	0.58
920	1/14/2021 18:48	1/14/2021 18:49	0:01:00	32.75	16.56	483.70	35.30	19.75	484.65	-143.33	0.67
921	1/14/2021 19:13	1/14/2021 19:13	0:00:19	31.13	131.41	491.17	30.25	132.39	491.02	-143.72	0.28
922	1/14/2021 19:29	1/14/2021 19:30	0:00:50	-16.17	168.87	489.80	-18.59	170.83	490.18	-143.04	0.96
923	1/14/2021 19:31	1/14/2021 19:31	0:00:00	-20.04	172.03	490.42	-20.04	172.03	490.42	-143.99	0.01
924	1/14/2021 19:35	1/14/2021 19:36	0:01:20	-30.69	-177.78	492.48	-34.15	-173.69	493.22	-142.04	1.96
925	1/14/2021 20:06	1/14/2021 20:06	0:00:00	-14.06	-45.08	479.27	-14.06	-45.08	479.27	-143.51	0.49
926	1/14/2021 20:11	1/14/2021 20:11	0:00:00	-0.06	-34.94	477.63	-0.06	-34.94	477.63	-143.99	0.01
927	1/14/2021 20:17	1/14/2021 20:18	0:01:59	16.40	-22.90	479.06	22.20	-18.07	480.37	-143.42	0.58
928	1/14/2021 20:22	1/14/2021 20:23	0:01:10	32.70	-7.44	483.66	35.66	-3.69	484.78	-143.42	0.58
929	1/14/2021 20:48	1/14/2021 20:48	0:00:09	30.75	107.91	491.15	30.31	108.40	491.07	-143.76	0.24
930	1/14/2021 21:04	1/14/2021 21:05	0:00:50	-16.59	145.28	489.91	-19.01	147.25	490.29	-143.02	0.98
931	1/14/2021 21:05	1/14/2021 21:05	0:00:00	-20.45	148.45	490.53	-20.45	148.45	490.53	-143.78	0.22
932	1/14/2021 21:51	1/14/2021 21:53	0:02:00	16.82	-46.49	479.13	22.61	-41.64	480.47	-143.39	0.61
933	1/14/2021 21:57	1/14/2021 21:58	0:00:59	33.07	-30.91	483.81	35.60	-27.69	484.76	-143.40	0.60
934	1/14/2021 23:09	1/14/2021 23:09	0:00:11	-29.83	-106.98	484.03	-29.38	-106.50	483.86	-142.92	1.08
935	1/14/2021 23:10	1/14/2021 23:10	0:00:11	-27.56	-104.63	483.20	-27.11	-104.17	483.04	-143.71	0.29
936	1/14/2021 23:12	1/14/2021 23:12	0:00:30	-22.91	-100.22	481.65	-21.48	-98.96	481.22	-142.63	1.37
937	1/14/2021 23:14	1/14/2021 23:14	0:00:09	-16.16	-94.57	479.81	-15.67	-94.18	479.70	-143.75	0.25
938	1/14/2021 23:15	1/14/2021 23:15	0:00:00	-13.20	-92.28	479.18	-13.20	-92.28	479.18	-143.66	0.34
939	1/14/2021 23:20	1/14/2021 23:20	0:00:00	0.31	-82.54	477.70	0.31	-82.54	477.70	-143.98	0.02
940	1/15/2021 0:12	1/15/2021 0:13	0:00:59	-16.94	97.71	489.93	-19.84	100.08	490.41	-143.02	0.98
941	1/15/2021 0:17	1/15/2021 0:19	0:01:19	-31.39	111.23	492.69	-34.82	115.38	493.43	-141.84	2.16
942	1/15/2021 1:30	1/15/2021 1:31	0:00:11	29.60	37.37	490.74	29.15	37.85	490.67	-143.77	0.23
943	1/15/2021 1:52	1/15/2021 1:53	0:01:20	-31.76	87.73	492.71	-35.18	91.92	493.45	-141.86	2.14
944	1/15/2021 2:18	1/15/2021 2:18	0:00:20	-29.51	-154.50	484.21	-28.61	-153.55	483.87	-142.90	1.10
945	1/15/2021 2:19	1/15/2021 2:19	0:00:00	-26.78	-151.70	483.22	-26.78	-151.70	483.22	-143.67	0.33
946	1/15/2021 2:20	1/15/2021 2:21	0:00:30	-22.09	-147.35	481.69	-20.66	-146.11	481.27	-142.61	1.39
947	1/15/2021 2:23	1/15/2021 2:23	0:00:11	-15.32	-141.76	479.90	-14.83	-141.38	479.79	-143.72	0.28
948	1/15/2021 2:23	1/15/2021 2:23	0:00:00	-12.85	-139.87	479.38	-12.85	-139.87	479.38	-143.74	0.26
949	1/15/2021 2:28	1/15/2021 2:28	0:00:00	1.16	-129.79	477.90	1.16	-129.79	477.90	-143.98	0.02
950	1/15/2021 2:34	1/15/2021 2:36	0:02:01	17.58	-117.66	479.49	23.35	-112.75	480.83	-143.42	0.58
951	1/15/2021 2:40	1/15/2021 2:40	0:00:00	33.74	-101.88	484.12	33.74	-101.88	484.12	-143.99	0.01
952	1/15/2021 3:52	1/15/2021 3:52	0:00:19	-29.12	-178.01	484.02	-28.22	-177.07	483.69	-142.96	1.04
953	1/15/2021 3:53	1/15/2021 3:53	0:00:09	-26.84	-175.69	483.20	-26.38	-175.24	483.04	-143.62	0.38
954	1/15/2021 3:55	1/15/2021 3:55	0:00:30	-22.16	-171.34	481.67	-20.73	-170.09	481.25	-142.60	1.40
955	1/15/2021 3:57	1/15/2021 3:57	0:00:00	-14.90	-165.36	479.77	-14.90	-165.36	479.77	-143.71	0.29
956	1/15/2021 3:58	1/15/2021 3:58	0:00:00	-12.43	-163.47	479.26	-12.43	-163.47	479.26	-143.51	0.49
957	1/15/2021 4:55	1/15/2021 4:56	0:00:50	-18.19	26.94	489.94	-20.60	28.95	490.35	-143.01	0.99
958	1/15/2021 4:57	1/15/2021 4:57	0:00:00	-22.03	30.18	490.62	-22.03	30.18	490.62	-143.74	0.26
959	1/15/2021 5:00	1/15/2021 5:01	0:01:09	-32.51	40.75	492.78	-35.48	44.46	493.44	-141.87	2.13
960	1/15/2021 5:26	1/15/2021 5:26	0:00:09	-28.73	158.47	483.81	-28.28	158.94	483.64	-143.07	0.93

Table 9 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)
961	1/15/2021 5:27	1/15/2021 5:27	0:00:09	-26.45	160.78	483.00	-25.98	161.22	482.84	-143.63	0.37
962	1/15/2021 5:29	1/15/2021 5:29	0:00:30	-21.75	165.10	481.48	-20.31	166.33	481.07	-142.62	1.38
963	1/15/2021 5:31	1/15/2021 5:31	0:00:00	-14.47	171.05	479.61	-14.47	171.05	479.61	-143.75	0.25
964	1/15/2021 5:32	1/15/2021 5:32	0:00:00	-12.00	172.92	479.12	-12.00	172.92	479.12	-143.46	0.54
965	1/15/2021 5:42	1/15/2021 5:43	0:01:00	18.42	-164.83	479.59	21.32	-162.40	480.25	-143.72	0.28
966	1/15/2021 6:13	1/15/2021 6:14	0:00:10	28.89	-33.65	490.59	28.44	-33.18	490.52	-143.82	0.18
967	1/15/2021 6:29	1/15/2021 6:30	0:01:01	-18.12	2.96	490.00	-21.01	5.37	490.50	-143.00	1.00
968	1/15/2021 6:31	1/15/2021 6:31	0:00:00	-22.44	6.62	490.76	-22.44	6.62	490.76	-143.86	0.14
969	1/15/2021 6:35	1/15/2021 6:36	0:01:10	-32.88	17.27	492.92	-35.83	21.02	493.57	-141.76	2.24
970	1/15/2021 7:01	1/15/2021 7:01	0:00:10	-28.34	134.95	483.59	-27.89	135.42	483.42	-143.01	0.99
971	1/15/2021 7:01	1/15/2021 7:02	0:00:10	-26.05	137.24	482.78	-25.58	137.68	482.62	-143.71	0.29
972	1/15/2021 7:03	1/15/2021 7:04	0:00:29	-21.34	141.53	481.28	-19.90	142.76	480.87	-142.68	1.32
973	1/15/2021 7:05	1/15/2021 7:06	0:00:11	-14.54	147.07	479.54	-14.05	147.45	479.44	-143.83	0.17
974	1/15/2021 7:07	1/15/2021 7:07	0:00:00	-11.57	149.32	478.96	-11.57	149.32	478.96	-143.65	0.35
975	1/15/2021 7:11	1/15/2021 7:11	0:00:00	1.97	159.00	477.73	1.97	159.00	477.73	-143.98	0.02
976	1/15/2021 7:17	1/15/2021 7:19	0:02:00	18.84	171.59	479.61	24.57	176.59	481.04	-143.40	0.60
977	1/15/2021 7:23	1/15/2021 7:24	0:01:00	34.83	-172.26	484.43	37.29	-168.89	485.38	-143.25	0.75
978	1/15/2021 8:04	1/15/2021 8:04	0:00:49	-18.54	-20.62	490.22	-20.94	-18.61	490.64	-143.02	0.98
979	1/15/2021 8:09	1/15/2021 8:10	0:01:20	-32.82	-6.73	493.06	-36.18	-2.43	493.79	-141.67	2.33
980	1/15/2021 8:35	1/15/2021 8:35	0:00:11	-27.95	111.43	483.43	-27.49	111.89	483.27	-142.94	1.06
981	1/15/2021 8:36	1/15/2021 8:36	0:00:11	-25.65	113.70	482.62	-25.18	114.14	482.46	-143.79	0.21
982	1/15/2021 8:37	1/15/2021 8:38	0:00:30	-20.93	117.96	481.12	-19.49	119.18	480.71	-142.63	1.37
983	1/15/2021 8:40	1/15/2021 8:40	0:00:09	-14.12	123.47	479.39	-13.62	123.85	479.29	-143.87	0.13
984	1/15/2021 8:41	1/15/2021 8:41	0:00:09	-11.64	125.34	478.90	-11.15	125.71	478.81	-143.83	0.17
985	1/15/2021 8:45	1/15/2021 8:45	0:00:00	2.40	135.38	477.63	2.40	135.38	477.63	-143.97	0.03
986	1/15/2021 8:51	1/15/2021 8:53	0:01:59	18.78	147.61	479.46	24.50	152.60	480.87	-143.41	0.59
987	1/15/2021 9:38	1/15/2021 9:39	0:00:50	-18.96	-44.20	490.38	-21.36	-42.18	490.80	-143.03	0.97
988	1/15/2021 9:43	1/15/2021 9:45	0:01:20	-33.20	-30.21	493.25	-36.54	-25.87	493.97	-141.86	2.14
989	1/15/2021 10:56	1/15/2021 10:57	0:00:20	28.17	-104.67	490.49	27.26	-103.75	490.35	-143.82	0.18
990	1/15/2021 11:12	1/15/2021 11:13	0:00:50	-19.38	-67.78	490.52	-21.77	-65.74	490.95	-143.01	0.99
991	1/15/2021 11:14	1/15/2021 11:14	0:00:00	-23.19	-64.48	491.22	-23.19	-64.48	491.22	-143.83	0.17
992	1/15/2021 11:17	1/15/2021 11:19	0:01:11	-33.57	-53.68	493.40	-36.48	-49.86	494.03	-141.82	2.18
993	1/15/2021 11:54	1/15/2021 11:54	0:00:00	3.27	88.14	477.51	3.27	88.14	477.51	-143.99	0.01
994	1/15/2021 12:00	1/15/2021 12:02	0:02:00	19.61	100.46	479.51	25.31	105.51	480.97	-143.36	0.64
995	1/15/2021 12:05	1/15/2021 12:06	0:00:59	35.49	116.84	484.41	37.93	120.27	485.37	-143.35	0.65
996	1/15/2021 12:16	1/15/2021 12:16	0:00:00	51.76	167.29	492.68	51.76	167.29	492.68	-143.80	0.20
997	1/15/2021 12:30	1/15/2021 12:31	0:00:10	27.78	-128.20	490.57	27.32	-127.74	490.50	-143.84	0.16
998	1/15/2021 12:47	1/15/2021 12:47	0:00:50	-19.79	-91.36	490.70	-22.18	-89.31	491.14	-143.00	1.00
999	1/15/2021 12:48	1/15/2021 12:48	0:00:00	-23.59	-88.04	491.41	-23.59	-88.04	491.41	-143.86	0.14
1000	1/15/2021 13:35	1/15/2021 13:36	0:00:21	24.77	81.08	480.77	25.71	81.97	481.04	-143.58	0.42
1001	1/15/2021 13:40	1/15/2021 13:41	0:00:59	35.85	93.39	484.50	38.26	96.85	485.46	-143.20	0.80
1002	1/15/2021 13:50	1/15/2021 13:50	0:00:00	51.78	144.21	492.73	51.78	144.21	492.73	-143.73	0.27
1003	1/15/2021 14:21	1/15/2021 14:22	0:00:59	-19.72	-115.34	490.72	-22.58	-112.88	491.24	-143.01	0.99
1004	1/15/2021 14:26	1/15/2021 14:27	0:01:20	-33.87	-101.15	493.56	-37.17	-96.74	494.27	-141.54	2.46
1005	1/15/2021 15:55	1/15/2021 15:56	0:00:50	-20.13	-138.92	490.82	-22.51	-136.86	491.25	-143.03	0.97
1006	1/15/2021 16:00	1/15/2021 16:02	0:01:20	-34.23	-124.62	493.66	-37.52	-120.16	494.36	-141.71	2.29
1007	1/15/2021 17:14	1/15/2021 17:14	0:00:09	26.60	161.20	490.47	26.13	161.65	490.40	-143.89	0.11
1008	1/15/2021 18:01	1/15/2021 18:01	0:00:20	-26.50	-30.68	482.73	-25.58	-29.78	482.41	-143.01	0.99
1009	1/15/2021 18:02	1/15/2021 18:02	0:00:11	-23.70	-28.04	481.77	-23.23	-27.61	481.62	-143.89	0.11
1010	1/15/2021 18:03	1/15/2021 18:04	0:00:30	-18.92	-23.90	480.33	-17.47	-22.71	479.94	-142.58	1.42
1011	1/15/2021 18:06	1/15/2021 18:06	0:00:00	-12.06	-18.52	478.71	-12.06	-18.52	478.71	-143.95	0.05
1012	1/15/2021 18:06	1/15/2021 18:06	0:00:00	-9.57	-16.68	478.27	-9.57	-16.68	478.27	-143.79	0.21
1013	1/15/2021 18:11	1/15/2021 18:11	0:00:00	4.49	-6.69	477.35	4.49	-6.69	477.35	-143.98	0.02
1014	1/15/2021 18:17	1/15/2021 18:19	0:02:00	20.78	5.75	479.59	26.44	10.90	481.12	-143.34	0.66
1015	1/15/2021 18:22	1/15/2021 18:24	0:01:01	36.50	22.50	484.62	38.88	26.03	485.58	-143.41	0.59
1016	1/15/2021 18:48	1/15/2021 18:48	0:00:00	26.20	137.67	490.38	26.20	137.67	490.38	-143.90	0.10
1017	1/15/2021 19:40	1/15/2021 19:40	0:00:00	-11.63	-42.12	478.56	-11.63	-42.12	478.56	-143.97	0.03
1018	1/15/2021 19:41	1/15/2021 19:41	0:00:00	-9.14	-40.29	478.13	-9.14	-40.29	478.13	-143.54	0.46
1019	1/15/2021 19:45	1/15/2021 19:46	0:00:11	4.43	-30.66	477.29	4.93	-30.31	477.31	-143.99	0.01
1020	1/15/2021 19:51	1/15/2021 19:53	0:01:59	21.20	-17.82	479.66	26.84	-12.63	481.22	-143.33	0.67

Table 9 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)
1021	1/15/2021 19:57	1/15/2021 19:58	0:01:01	36.85	-0.93	484.75	39.22	2.63	485.72	-143.32	0.68
1022	1/15/2021 20:22	1/15/2021 20:22	0:00:09	26.26	113.68	490.43	25.79	114.13	490.36	-143.91	0.09
1023	1/15/2021 20:38	1/15/2021 20:39	0:01:01	-20.90	149.95	490.98	-23.74	152.46	491.51	-143.00	1.00
1024	1/15/2021 21:15	1/15/2021 21:15	0:00:00	-8.70	-63.90	478.05	-8.70	-63.90	478.05	-143.50	0.50
1025	1/15/2021 21:20	1/15/2021 21:20	0:00:00	4.86	-54.28	477.28	4.86	-54.28	477.28	-143.98	0.02
1026	1/15/2021 21:25	1/15/2021 21:27	0:02:00	21.14	-41.80	479.63	26.78	-36.62	481.19	-143.36	0.64
1027	1/15/2021 21:31	1/15/2021 21:32	0:01:00	37.20	-24.35	484.90	39.55	-20.75	485.87	-143.40	0.60
1028	1/15/2021 22:44	1/15/2021 22:44	0:00:11	-25.29	-101.29	482.29	-24.83	-100.85	482.13	-143.34	0.66
1029	1/15/2021 22:45	1/15/2021 22:45	0:00:00	-22.47	-98.71	481.36	-22.47	-98.71	481.36	-143.84	0.16
1030	1/15/2021 22:46	1/15/2021 22:47	0:00:41	-18.14	-95.04	480.10	-16.19	-93.48	479.61	-142.50	1.50
1031	1/15/2021 22:49	1/15/2021 22:49	0:00:00	-8.27	-87.51	478.08	-8.27	-87.51	478.08	-143.65	0.35
1032	1/15/2021 23:00	1/15/2021 23:01	0:01:59	21.55	-65.37	479.81	27.18	-60.15	481.38	-143.34	0.66
1033	1/15/2021 23:05	1/15/2021 23:06	0:01:01	37.15	-48.35	484.94	39.50	-44.76	485.91	-143.53	0.47
1034	1/15/2021 23:47	1/15/2021 23:48	0:00:50	-21.72	102.82	491.12	-24.08	104.93	491.57	-143.00	1.00
1035	1/15/2021 23:48	1/15/2021 23:48	0:00:00	-25.48	106.23	491.85	-25.48	106.23	491.85	-143.97	0.03
1036	1/15/2021 23:52	1/15/2021 23:53	0:01:10	-35.62	117.56	494.01	-38.43	121.59	494.61	-141.74	2.26
1037	1/15/2021 23:57	1/15/2021 23:57	0:00:00	-47.36	140.54	496.19	-47.36	140.54	496.19	-143.99	0.01
1038	1/16/2021 1:05	1/16/2021 1:05	0:00:00	25.05	43.05	490.04	25.05	43.05	490.04	-143.97	0.03
1039	1/16/2021 1:52	1/16/2021 1:52	0:00:09	-24.49	-148.39	482.33	-24.02	-147.96	482.17	-143.11	0.89
1040	1/16/2021 1:53	1/16/2021 1:53	0:00:00	-21.65	-145.85	481.41	-21.65	-145.85	481.41	-143.92	0.08
1041	1/16/2021 1:55	1/16/2021 1:55	0:00:41	-17.80	-142.61	480.31	-15.84	-141.05	479.81	-142.51	1.49
1042	1/16/2021 1:58	1/16/2021 1:58	0:00:00	-7.91	-135.10	478.29	-7.91	-135.10	478.29	-143.84	0.16
1043	1/16/2021 2:03	1/16/2021 2:03	0:00:00	6.16	-125.14	477.63	6.16	-125.14	477.63	-144.00	0.00
1044	1/16/2021 2:08	1/16/2021 2:11	0:02:21	22.37	-112.51	480.11	28.87	-106.28	481.97	-143.30	0.70
1045	1/16/2021 2:39	1/16/2021 2:39	0:00:00	24.65	19.50	489.89	24.65	19.50	489.89	-143.97	0.03
1046	1/16/2021 3:27	1/16/2021 3:27	0:00:00	-24.08	-171.94	482.16	-24.08	-171.94	482.16	-143.08	0.92
1047	1/16/2021 3:29	1/16/2021 3:30	0:00:40	-17.37	-166.20	480.16	-15.42	-164.64	479.68	-142.57	1.43
1048	1/16/2021 3:32	1/16/2021 3:32	0:00:00	-7.48	-158.72	478.20	-7.48	-158.72	478.20	-143.63	0.37
1049	1/16/2021 3:37	1/16/2021 3:37	0:00:00	6.09	-149.11	477.60	6.09	-149.11	477.60	-144.00	0.00
1050	1/16/2021 3:42	1/16/2021 3:45	0:02:30	22.31	-136.49	480.08	29.26	-129.79	482.07	-143.33	0.67
1051	1/16/2021 3:48	1/16/2021 3:49	0:00:51	38.18	-118.62	485.30	40.10	-115.56	486.09	-143.54	0.46
1052	1/16/2021 5:01	1/16/2021 5:01	0:00:09	-24.14	164.08	482.12	-23.67	164.51	481.96	-143.15	0.85
1053	1/16/2021 5:03	1/16/2021 5:04	0:00:39	-16.95	170.22	480.00	-14.99	171.77	479.52	-142.44	1.56
1054	1/16/2021 5:07	1/16/2021 5:07	0:00:00	-7.04	177.67	478.08	-7.04	177.67	478.08	-143.59	0.41
1055	1/16/2021 5:11	1/16/2021 5:11	0:00:00	6.53	-172.72	477.57	6.53	-172.72	477.57	-143.98	0.02
1056	1/16/2021 6:04	1/16/2021 6:05	0:00:50	-22.89	8.15	491.22	-25.23	10.30	491.69	-142.98	1.02
1057	1/16/2021 6:09	1/16/2021 6:10	0:01:10	-36.63	23.24	494.14	-39.39	27.38	494.72	-141.66	2.34
1058	1/16/2021 6:15	1/16/2021 6:15	0:00:00	-47.98	46.87	496.19	-47.98	46.87	496.19	-143.99	0.01
1059	1/16/2021 6:35	1/16/2021 6:35	0:00:10	-23.74	140.53	481.90	-23.26	140.96	481.75	-143.36	0.64
1060	1/16/2021 6:38	1/16/2021 6:38	0:00:39	-16.53	146.64	479.81	-14.56	148.17	479.34	-142.33	1.67
1061	1/16/2021 6:41	1/16/2021 6:41	0:00:00	-6.61	154.06	477.95	-6.61	154.06	477.95	-143.69	0.31
1062	1/16/2021 6:45	1/16/2021 6:45	0:00:00	6.96	163.67	477.52	6.96	163.67	477.52	-143.98	0.02
1063	1/16/2021 6:51	1/16/2021 6:53	0:02:21	23.13	176.40	480.19	29.60	-177.28	482.10	-143.27	0.73
1064	1/16/2021 6:57	1/16/2021 6:57	0:00:21	38.47	-166.02	485.36	39.24	-164.81	485.68	-143.61	0.39
1065	1/16/2021 6:58	1/16/2021 6:58	0:00:10	40.37	-162.93	486.15	40.74	-162.29	486.31	-143.81	0.19
1066	1/16/2021 7:38	1/16/2021 7:39	0:00:50	-23.30	-15.41	491.44	-25.64	-13.24	491.91	-142.97	1.03
1067	1/16/2021 7:43	1/16/2021 7:44	0:01:20	-36.58	-0.76	494.27	-39.71	3.99	494.93	-141.62	2.38
1068	1/16/2021 7:49	1/16/2021 7:49	0:00:00	-47.95	22.83	496.32	-47.95	22.83	496.32	-143.93	0.07
1069	1/16/2021 8:09	1/16/2021 8:10	0:00:11	-23.33	116.97	481.73	-22.86	117.40	481.58	-143.42	0.58
1070	1/16/2021 8:12	1/16/2021 8:12	0:00:30	-16.10	123.05	479.65	-14.63	124.20	479.30	-142.31	1.69
1071	1/16/2021 8:15	1/16/2021 8:15	0:00:00	-6.17	130.45	477.81	-6.17	130.45	477.81	-143.90	0.10
1072	1/16/2021 8:20	1/16/2021 8:20	0:00:00	7.40	140.05	477.44	7.40	140.05	477.44	-143.99	0.01
1073	1/16/2021 8:25	1/16/2021 8:28	0:02:20	23.54	152.85	480.15	29.98	159.21	482.07	-143.26	0.74
1074	1/16/2021 9:12	1/16/2021 9:13	0:01:01	-23.24	-39.39	491.53	-26.04	-36.78	492.10	-142.97	1.03
1075	1/16/2021 9:17	1/16/2021 9:19	0:01:21	-36.93	-24.19	494.46	-40.04	-19.39	495.12	-141.76	2.24
1076	1/16/2021 9:23	1/16/2021 9:23	0:00:00	-48.16	-0.37	496.45	-48.16	-0.37	496.45	-143.90	0.10
1077	1/16/2021 10:15	1/16/2021 10:15	0:00:19	51.74	-168.53	492.09	51.78	-166.56	492.23	-143.20	0.80
1078	1/16/2021 10:47	1/16/2021 10:47	0:00:50	-23.65	-62.94	491.68	-25.98	-60.76	492.16	-142.99	1.01
1079	1/16/2021 10:52	1/16/2021 10:53	0:01:09	-37.28	-47.61	494.60	-39.99	-43.39	495.16	-141.73	2.27
1080	1/16/2021 11:34	1/16/2021 11:36	0:02:29	23.89	105.32	480.11	30.76	112.21	482.20	-143.25	0.75

Table 9 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)
1081	1/16/2021 11:40	1/16/2021 11:40	0:00:09	39.47	123.80	485.50	39.85	124.42	485.66	-143.76	0.24
1082	1/16/2021 11:40	1/16/2021 11:41	0:00:11	40.97	126.33	486.14	41.33	126.98	486.30	-143.92	0.08
1083	1/16/2021 11:49	1/16/2021 11:49	0:00:30	51.73	167.42	492.20	51.79	170.37	492.41	-143.10	0.90
1084	1/16/2021 12:21	1/16/2021 12:22	0:00:50	-24.06	-86.50	491.88	-26.38	-84.30	492.35	-142.99	1.01
1085	1/16/2021 12:26	1/16/2021 12:27	0:00:41	-37.22	-71.61	494.69	-38.80	-69.25	495.02	-142.77	1.23
1086	1/16/2021 13:55	1/16/2021 13:56	0:00:50	-24.46	-110.05	491.97	-26.78	-107.84	492.45	-142.97	1.03
1087	1/16/2021 14:00	1/16/2021 14:02	0:01:20	-37.57	-95.04	494.75	-40.63	-90.15	495.38	-141.69	2.31
1088	1/16/2021 14:27	1/16/2021 14:27	0:00:00	-21.68	22.73	481.07	-21.68	22.73	481.07	-143.13	0.87
1089	1/16/2021 14:29	1/16/2021 14:30	0:00:30	-14.89	28.29	479.19	-13.42	29.43	478.85	-142.03	1.97
1090	1/16/2021 14:32	1/16/2021 14:32	0:00:00	-4.94	35.63	477.46	-4.94	35.63	477.46	-143.73	0.27
1091	1/16/2021 14:37	1/16/2021 14:37	0:00:00	8.63	45.25	477.28	8.63	45.25	477.28	-144.00	0.00
1092	1/16/2021 15:30	1/16/2021 15:30	0:00:59	-24.40	-134.04	491.99	-27.17	-131.37	492.55	-142.98	1.02
1093	1/16/2021 15:35	1/16/2021 15:36	0:01:10	-37.91	-118.46	494.84	-40.58	-114.16	495.38	-141.79	2.21
1094	1/16/2021 15:40	1/16/2021 15:40	0:00:09	-48.50	-94.83	496.57	-48.72	-93.98	496.58	-143.93	0.07
1095	1/16/2021 17:35	1/16/2021 17:35	0:00:10	-21.34	-24.82	480.89	-20.86	-24.40	480.74	-143.60	0.40
1096	1/16/2021 17:38	1/16/2021 17:38	0:00:39	-14.53	-19.28	479.03	-12.56	-17.77	478.59	-142.22	1.78
1097	1/16/2021 17:41	1/16/2021 17:41	0:00:00	-4.57	-11.96	477.35	-4.57	-11.96	477.35	-143.90	0.10
1098	1/16/2021 17:51	1/16/2021 17:54	0:02:30	25.05	10.69	480.24	31.85	17.74	482.40	-143.17	0.83
1099	1/16/2021 17:57	1/16/2021 17:57	0:00:10	40.40	29.64	485.73	40.77	30.28	485.89	-143.88	0.12
1100	1/16/2021 19:11	1/16/2021 19:11	0:00:00	-16.07	-44.40	479.33	-16.07	-44.40	479.33	-143.92	0.08
1101	1/16/2021 19:12	1/16/2021 19:13	0:00:39	-14.10	-42.87	478.86	-12.13	-41.37	478.44	-142.27	1.73
1102	1/16/2021 19:15	1/16/2021 19:15	0:00:00	-4.13	-35.57	477.24	-4.13	-35.57	477.24	-143.72	0.28
1103	1/16/2021 19:25	1/16/2021 19:28	0:02:30	25.45	-12.85	480.33	32.23	-5.74	482.52	-143.15	0.85
1104	1/16/2021 19:31	1/16/2021 19:32	0:00:11	40.73	6.28	485.87	41.09	6.93	486.02	-143.90	0.10
1105	1/16/2021 20:12	1/16/2021 20:13	0:00:50	-25.61	155.33	492.24	-27.91	157.59	492.71	-142.97	1.03
1106	1/16/2021 20:50	1/16/2021 20:50	0:00:00	-3.69	-59.18	477.18	-3.69	-59.18	477.18	-143.68	0.32
1107	1/16/2021 21:00	1/16/2021 21:02	0:02:21	25.86	-36.39	480.44	32.17	-29.73	482.50	-143.20	0.80
1108	1/16/2021 21:06	1/16/2021 21:06	0:00:00	41.05	-17.08	486.02	41.05	-17.08	486.02	-143.93	0.07
1109	1/16/2021 22:12	1/16/2021 22:12	0:00:11	-36.70	-113.16	486.85	-36.30	-112.60	486.67	-143.74	0.26
1110	1/16/2021 22:16	1/16/2021 22:16	0:00:00	-27.14	-101.96	482.87	-27.14	-101.96	482.87	-143.97	0.03
1111	1/16/2021 22:18	1/16/2021 22:18	0:00:00	-20.08	-95.52	480.49	-20.08	-95.52	480.49	-143.39	0.61
1112	1/16/2021 22:21	1/16/2021 22:21	0:00:39	-13.73	-90.44	478.84	-11.75	-88.94	478.42	-141.97	2.03
1113	1/16/2021 22:24	1/16/2021 22:24	0:00:00	-3.25	-82.80	477.23	-3.25	-82.80	477.23	-143.78	0.22
1114	1/16/2021 23:21	1/16/2021 23:22	0:00:50	-25.96	107.81	492.32	-28.25	110.09	492.80	-143.01	0.99
1115	1/16/2021 23:26	1/16/2021 23:27	0:01:20	-38.83	123.33	495.09	-41.80	128.40	495.68	-141.56	2.44
1116	1/16/2021 23:28	1/16/2021 23:28	0:00:00	-43.84	132.53	496.05	-43.84	132.53	496.05	-143.92	0.08
1117	1/16/2021 23:31	1/16/2021 23:32	0:00:10	-49.01	147.57	496.70	-49.22	148.45	496.71	-143.89	0.11
1118	1/17/2021 0:55	1/17/2021 0:56	0:00:51	-26.36	84.28	492.33	-28.64	86.57	492.82	-142.98	1.02
1119	1/17/2021 1:00	1/17/2021 1:02	0:01:20	-39.17	99.93	495.13	-42.10	105.05	495.72	-141.86	2.14
1120	1/17/2021 1:02	1/17/2021 1:02	0:00:00	-43.80	108.51	496.04	-43.80	108.51	496.04	-143.97	0.03
1121	1/17/2021 1:06	1/17/2021 1:06	0:00:00	-49.20	124.41	496.73	-49.20	124.41	496.73	-143.77	0.23
1122	1/17/2021 2:55	1/17/2021 2:55	0:00:11	-36.05	175.97	486.84	-35.64	176.53	486.66	-143.77	0.23
1123	1/17/2021 2:59	1/17/2021 2:59	0:00:10	-26.40	-173.01	482.89	-25.94	-172.56	482.72	-143.94	0.06
1124	1/17/2021 3:03	1/17/2021 3:04	0:00:31	-12.45	-161.24	478.82	-10.96	-160.13	478.53	-142.44	1.56
1125	1/17/2021 3:07	1/17/2021 3:07	0:00:00	-2.45	-154.01	477.39	-2.45	-154.01	477.39	-143.73	0.27
1126	1/17/2021 3:17	1/17/2021 3:19	0:02:19	27.00	-130.98	480.89	33.24	-124.16	482.94	-143.19	0.81
1127	1/17/2021 3:23	1/17/2021 3:23	0:00:00	42.63	-109.80	486.68	42.63	-109.80	486.68	-143.92	0.08
1128	1/17/2021 4:29	1/17/2021 4:30	0:00:10	-35.69	152.53	486.63	-35.28	153.09	486.44	-143.84	0.16
1129	1/17/2021 4:33	1/17/2021 4:33	0:00:11	-26.00	163.46	482.69	-25.53	163.90	482.52	-143.93	0.07
1130	1/17/2021 4:38	1/17/2021 4:38	0:00:30	-12.01	175.16	478.68	-10.52	176.27	478.39	-142.42	1.58
1131	1/17/2021 4:41	1/17/2021 4:41	0:00:00	-2.00	-177.62	477.30	-2.00	-177.62	477.30	-143.64	0.36
1132	1/17/2021 5:23	1/17/2021 5:23	0:00:00	17.60	-21.12	489.13	17.60	-21.12	489.13	-144.00	0.00
1133	1/17/2021 5:38	1/17/2021 5:39	0:00:50	-27.10	13.23	492.45	-29.37	15.56	492.94	-143.00	1.00
1134	1/17/2021 5:41	1/17/2021 5:41	0:00:00	-35.01	22.17	494.18	-35.01	22.17	494.18	-143.82	0.18
1135	1/17/2021 5:43	1/17/2021 5:44	0:01:09	-39.78	29.15	495.20	-42.32	33.70	495.71	-141.88	2.12
1136	1/17/2021 5:45	1/17/2021 5:45	0:00:00	-44.33	37.90	496.07	-44.33	37.90	496.07	-143.94	0.06
1137	1/17/2021 6:04	1/17/2021 6:04	0:00:09	-35.33	129.09	486.39	-34.91	129.64	486.21	-143.89	0.11
1138	1/17/2021 6:07	1/17/2021 6:08	0:00:21	-26.06	139.48	482.63	-25.13	140.37	482.29	-143.90	0.10
1139	1/17/2021 6:12	1/17/2021 6:13	0:00:31	-12.07	151.19	478.61	-10.58	152.30	478.33	-142.42	1.58
1140	1/17/2021 6:16	1/17/2021 6:16	0:00:00	-1.56	158.76	477.20	-1.56	158.76	477.20	-143.86	0.14

Table 9 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)
1141	1/17/2021 6:25	1/17/2021 6:28	0:02:30	27.35	-178.48	480.91	33.99	-171.08	483.13	-143.06	0.94
1142	1/17/2021 6:32	1/17/2021 6:32	0:00:09	42.89	-157.13	486.75	43.23	-156.43	486.90	-143.86	0.14
1143	1/17/2021 6:57	1/17/2021 6:57	0:00:00	17.17	-44.71	489.19	17.17	-44.71	489.19	-143.99	0.01
1144	1/17/2021 7:13	1/17/2021 7:13	0:00:50	-27.50	-10.29	492.67	-29.76	-7.95	493.16	-142.98	1.02
1145	1/17/2021 7:18	1/17/2021 7:19	0:01:10	-40.11	5.78	495.41	-42.62	10.37	495.90	-141.75	2.25
1146	1/17/2021 7:20	1/17/2021 7:20	0:00:00	-44.60	14.61	496.24	-44.60	14.61	496.24	-143.91	0.09
1147	1/17/2021 7:23	1/17/2021 7:23	0:00:00	-49.49	30.02	496.79	-49.49	30.02	496.79	-143.80	0.20
1148	1/17/2021 7:38	1/17/2021 7:38	0:00:00	-34.55	106.19	486.06	-34.55	106.19	486.06	-143.95	0.05
1149	1/17/2021 7:41	1/17/2021 7:42	0:00:20	-25.65	115.94	482.45	-24.72	116.82	482.12	-143.88	0.12
1150	1/17/2021 7:46	1/17/2021 7:47	0:00:30	-11.64	127.59	478.46	-10.15	128.69	478.17	-142.53	1.47
1151	1/17/2021 8:00	1/17/2021 8:02	0:02:21	27.75	158.00	480.89	33.94	164.92	482.97	-143.14	0.86
1152	1/17/2021 8:47	1/17/2021 8:48	0:00:50	-27.45	-34.27	492.77	-29.70	-31.93	493.27	-142.99	1.01
1153	1/17/2021 8:50	1/17/2021 8:50	0:00:00	-35.32	-25.27	494.51	-35.32	-25.27	494.51	-143.90	0.10
1154	1/17/2021 8:52	1/17/2021 8:53	0:01:20	-40.06	-18.23	495.52	-42.92	-12.96	496.08	-141.68	2.32
1155	1/17/2021 8:54	1/17/2021 8:54	0:00:09	-44.56	-9.41	496.36	-44.87	-8.67	496.41	-143.95	0.05
1156	1/17/2021 8:57	1/17/2021 8:57	0:00:00	-49.66	6.88	496.91	-49.66	6.88	496.91	-143.71	0.29
1157	1/17/2021 9:49	1/17/2021 9:49	0:00:30	51.70	-159.47	492.19	51.54	-156.54	492.35	-143.26	0.74
1158	1/17/2021 10:21	1/17/2021 10:22	0:00:50	-27.85	-57.79	492.92	-30.10	-55.43	493.41	-143.04	0.96
1159	1/17/2021 10:23	1/17/2021 10:23	0:00:00	-33.58	-51.41	494.18	-33.58	-51.41	494.18	-143.99	0.01
1160	1/17/2021 10:24	1/17/2021 10:24	0:00:00	-35.68	-48.71	494.64	-35.68	-48.71	494.64	-143.68	0.32
1161	1/17/2021 10:26	1/17/2021 10:27	0:01:09	-40.39	-41.60	495.64	-42.88	-36.97	496.12	-142.05	1.95
1162	1/17/2021 10:28	1/17/2021 10:28	0:00:00	-44.84	-32.69	496.45	-44.84	-32.69	496.45	-143.91	0.09
1163	1/17/2021 11:40	1/17/2021 11:40	0:00:00	16.38	-115.85	489.26	16.38	-115.85	489.26	-143.99	0.01
1164	1/17/2021 12:24	1/17/2021 12:25	0:00:19	-24.90	44.88	482.17	-23.96	45.75	481.83	-143.84	0.16
1165	1/17/2021 12:29	1/17/2021 12:30	0:00:20	-10.34	56.78	478.10	-9.35	57.51	477.92	-142.85	1.15
1166	1/17/2021 12:42	1/17/2021 12:45	0:02:21	28.48	86.98	480.93	34.62	94.02	483.04	-143.10	0.90
1167	1/17/2021 12:49	1/17/2021 12:49	0:00:20	43.39	108.22	486.68	44.05	109.64	486.99	-143.62	0.38
1168	1/17/2021 12:57	1/17/2021 12:58	0:00:11	51.61	154.39	492.41	51.55	155.36	492.46	-143.49	0.51
1169	1/17/2021 13:59	1/17/2021 13:59	0:00:19	-24.49	21.33	481.93	-23.55	22.20	481.60	-143.84	0.16
1170	1/17/2021 14:03	1/17/2021 14:04	0:00:30	-10.41	32.81	478.03	-8.91	33.90	477.76	-142.87	1.13
1171	1/17/2021 14:07	1/17/2021 14:07	0:00:00	0.13	40.33	476.79	0.13	40.33	476.79	-143.92	0.08
1172	1/17/2021 15:04	1/17/2021 15:05	0:00:50	-28.58	-128.82	493.22	-30.81	-126.42	493.70	-143.03	0.97
1173	1/17/2021 15:06	1/17/2021 15:06	0:00:00	-34.27	-122.33	494.46	-34.27	-122.33	494.46	-143.81	0.19
1174	1/17/2021 15:07	1/17/2021 15:07	0:00:00	-36.34	-119.59	494.90	-36.34	-119.59	494.90	-143.77	0.23
1175	1/17/2021 15:09	1/17/2021 15:10	0:01:10	-40.98	-112.34	495.85	-43.42	-107.62	496.30	-142.30	1.70
1176	1/17/2021 15:11	1/17/2021 15:11	0:00:00	-45.33	-103.26	496.60	-45.33	-103.26	496.60	-143.89	0.11
1177	1/17/2021 15:33	1/17/2021 15:33	0:00:20	-24.08	-2.21	481.74	-23.14	-1.36	481.41	-143.81	0.19
1178	1/17/2021 15:38	1/17/2021 15:38	0:00:30	-9.97	9.20	477.91	-8.48	10.29	477.65	-142.93	1.07
1179	1/17/2021 16:23	1/17/2021 16:23	0:00:00	15.10	173.38	489.26	15.10	173.38	489.26	-143.98	0.02
1180	1/17/2021 17:07	1/17/2021 17:08	0:00:21	-23.67	-25.76	481.57	-22.73	-24.91	481.25	-143.77	0.23
1181	1/17/2021 17:12	1/17/2021 17:13	0:00:31	-9.54	-14.40	477.80	-8.04	-13.31	477.55	-143.04	0.96
1182	1/17/2021 17:15	1/17/2021 17:15	0:00:00	0.50	-7.26	476.70	0.50	-7.26	476.70	-143.81	0.19
1183	1/17/2021 17:25	1/17/2021 17:28	0:02:20	29.22	15.97	481.03	35.30	23.13	483.17	-143.06	0.94
1184	1/17/2021 17:31	1/17/2021 17:32	0:00:21	43.93	37.59	486.80	44.57	39.04	487.11	-143.42	0.58
1185	1/17/2021 17:57	1/17/2021 17:57	0:00:00	14.67	149.79	489.20	14.67	149.79	489.20	-143.99	0.01
1186	1/17/2021 18:47	1/17/2021 18:47	0:00:20	-9.10	-38.01	477.66	-8.10	-37.28	477.50	-143.22	0.78
1187	1/17/2021 18:50	1/17/2021 18:50	0:00:00	0.95	-30.87	476.63	0.95	-30.87	476.63	-143.66	0.34
1188	1/17/2021 19:00	1/17/2021 19:01	0:01:29	29.62	-7.53	481.14	33.56	-3.01	482.51	-143.08	0.92
1189	1/17/2021 19:02	1/17/2021 19:02	0:00:20	34.83	-1.41	482.98	35.67	-0.31	483.30	-143.47	0.53
1190	1/17/2021 19:06	1/17/2021 19:06	0:00:20	44.22	14.31	486.94	44.85	15.77	487.24	-143.33	0.67
1191	1/17/2021 19:47	1/17/2021 19:47	0:00:50	-29.31	160.18	493.39	-31.53	162.61	493.86	-143.02	0.98
1192	1/17/2021 19:49	1/17/2021 19:49	0:00:10	-34.95	166.78	494.60	-35.37	167.32	494.69	-143.72	0.28
1193	1/17/2021 19:50	1/17/2021 19:50	0:00:00	-37.00	169.57	495.03	-37.00	169.57	495.03	-143.81	0.19
1194	1/17/2021 20:24	1/17/2021 20:24	0:00:00	1.39	-54.48	476.58	1.39	-54.48	476.58	-143.77	0.23
1195	1/17/2021 20:34	1/17/2021 20:36	0:02:29	29.56	-31.51	481.11	36.03	-23.74	483.44	-142.99	1.01
1196	1/17/2021 20:40	1/17/2021 20:40	0:00:21	44.18	-9.70	486.94	44.81	-8.24	487.25	-143.44	0.56
1197	1/17/2021 21:50	1/17/2021 21:50	0:00:00	-22.90	-96.84	481.28	-22.90	-96.84	481.28	-143.93	0.07
1198	1/17/2021 21:51	1/17/2021 21:51	0:00:00	-21.47	-95.58	480.81	-21.47	-95.58	480.81	-143.96	0.04
1199	1/17/2021 21:55	1/17/2021 21:56	0:00:21	-8.22	-85.22	477.57	-7.22	-84.50	477.41	-143.33	0.67
1200	1/17/2021 23:00	1/17/2021 23:01	0:01:00	-42.19	130.27	496.15	-44.20	134.45	496.51	-142.57	1.43

Table 9 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)
1201	1/17/2021 23:02	1/17/2021 23:03	0:00:11	-46.03	138.93	496.79	-46.32	139.71	496.82	-143.95	0.05
1202	1/17/2021 23:06	1/17/2021 23:06	0:00:00	-50.33	155.07	497.06	-50.33	155.07	497.06	-143.91	0.09
1203	1/17/2021 23:25	1/17/2021 23:25	0:00:00	-22.48	-120.40	481.35	-22.48	-120.40	481.35	-143.99	0.01
1204	1/17/2021 23:25	1/17/2021 23:25	0:00:00	-21.05	-119.15	480.88	-21.05	-119.15	480.88	-143.99	0.01
1205	1/17/2021 23:29	1/17/2021 23:30	0:00:20	-7.78	-108.83	477.68	-6.78	-108.11	477.53	-143.38	0.62
1206	1/17/2021 23:33	1/17/2021 23:33	0:00:00	1.77	-102.07	476.81	1.77	-102.07	476.81	-143.90	0.10
1207	1/17/2021 23:43	1/17/2021 23:45	0:02:19	30.34	-78.52	481.45	36.33	-71.17	483.60	-143.08	0.92
1208	1/17/2021 23:48	1/17/2021 23:49	0:00:30	44.41	-57.02	487.03	45.35	-54.79	487.48	-143.19	0.81
1209	1/17/2021 23:53	1/17/2021 23:53	0:00:00	50.28	-37.14	490.21	50.28	-37.14	490.21	-143.90	0.10
1210	1/18/2021 0:30	1/18/2021 0:30	0:00:50	-30.04	89.18	493.51	-32.24	91.66	494.01	-143.01	0.99
1211	1/18/2021 0:32	1/18/2021 0:32	0:00:09	-35.63	95.89	494.76	-36.04	96.45	494.86	-143.88	0.12
1212	1/18/2021 0:33	1/18/2021 0:33	0:00:00	-37.65	98.74	495.21	-37.65	98.74	495.21	-143.83	0.17
1213	1/18/2021 0:35	1/18/2021 0:36	0:00:50	-42.49	106.94	496.20	-44.16	110.44	496.50	-142.66	1.34
1214	1/18/2021 1:17	1/18/2021 1:19	0:02:30	30.28	-102.51	481.46	36.69	-94.61	483.74	-142.95	1.05
1215	1/18/2021 1:23	1/18/2021 1:23	0:00:20	44.69	-80.31	487.14	45.31	-78.82	487.43	-143.40	0.60
1216	1/18/2021 1:27	1/18/2021 1:27	0:00:11	50.26	-61.18	490.14	50.42	-60.26	490.25	-143.86	0.14
1217	1/18/2021 1:31	1/18/2021 1:31	0:00:11	51.62	-37.01	492.17	51.55	-36.04	492.21	-143.53	0.47
1218	1/18/2021 1:49	1/18/2021 1:49	0:00:00	13.00	31.44	488.82	13.00	31.44	488.82	-144.00	0.00
1219	1/18/2021 2:04	1/18/2021 2:05	0:01:00	-29.99	65.20	493.42	-32.62	68.18	494.01	-143.01	0.99
1220	1/18/2021 2:06	1/18/2021 2:06	0:00:00	-35.99	72.46	494.77	-35.99	72.46	494.77	-143.71	0.29
1221	1/18/2021 2:07	1/18/2021 2:07	0:00:00	-38.00	75.33	495.21	-38.00	75.33	495.21	-143.93	0.07
1222	1/18/2021 2:09	1/18/2021 2:10	0:01:09	-42.45	82.93	496.12	-44.76	87.88	496.53	-142.62	1.38
1223	1/18/2021 2:11	1/18/2021 2:11	0:00:00	-46.53	92.45	496.80	-46.53	92.45	496.80	-143.89	0.11
1224	1/18/2021 2:14	1/18/2021 2:14	0:00:00	-50.44	107.91	497.03	-50.44	107.91	497.03	-143.99	0.01
1225	1/18/2021 2:41	1/18/2021 2:41	0:00:00	2.65	-149.30	476.86	2.65	-149.30	476.86	-143.62	0.38
1226	1/18/2021 2:51	1/18/2021 2:53	0:02:29	30.23	-126.50	481.42	36.64	-118.60	483.70	-143.00	1.00
1227	1/18/2021 2:57	1/18/2021 2:57	0:00:30	44.65	-104.32	487.10	45.57	-102.08	487.54	-143.25	0.75
1228	1/18/2021 3:01	1/18/2021 3:01	0:00:10	50.40	-84.30	490.21	50.55	-83.37	490.31	-143.82	0.18
1229	1/18/2021 3:05	1/18/2021 3:05	0:00:11	51.56	-60.08	492.18	51.50	-59.10	492.22	-143.38	0.62
1230	1/18/2021 4:12	1/18/2021 4:13	0:00:19	-6.97	179.98	477.59	-5.96	-179.30	477.45	-143.59	0.41
1231	1/18/2021 4:16	1/18/2021 4:16	0:00:00	3.09	-172.91	476.81	3.09	-172.91	476.81	-143.82	0.18
1232	1/18/2021 4:25	1/18/2021 4:28	0:02:41	30.18	-150.48	481.36	37.00	-142.02	483.80	-143.06	0.94
1233	1/18/2021 4:31	1/18/2021 4:32	0:00:31	44.93	-127.59	487.19	45.84	-125.32	487.63	-143.39	0.61
1234	1/18/2021 4:35	1/18/2021 4:35	0:00:11	50.39	-108.33	490.17	50.54	-107.40	490.28	-143.72	0.28
1235	1/18/2021 5:12	1/18/2021 5:13	0:01:01	-30.33	17.72	493.52	-32.95	20.72	494.11	-143.00	1.00
1236	1/18/2021 5:15	1/18/2021 5:15	0:00:00	-36.71	25.60	494.95	-36.71	25.60	494.95	-143.91	0.09
1237	1/18/2021 5:15	1/18/2021 5:15	0:00:00	-38.30	27.93	495.29	-38.30	27.93	495.29	-143.83	0.17
1238	1/18/2021 5:17	1/18/2021 5:18	0:01:00	-43.06	36.29	496.24	-45.00	40.60	496.57	-142.77	1.23
1239	1/18/2021 5:20	1/18/2021 5:20	0:00:09	-46.74	45.20	496.82	-47.01	46.00	496.86	-143.85	0.15
1240	1/18/2021 5:47	1/18/2021 5:47	0:00:20	-6.52	156.38	477.45	-5.52	157.10	477.31	-143.58	0.42
1241	1/18/2021 5:50	1/18/2021 5:50	0:00:00	3.03	163.13	476.74	3.03	163.13	476.74	-143.96	0.04
1242	1/18/2021 5:59	1/18/2021 6:02	0:02:30	30.57	-173.97	481.46	36.95	-166.01	483.76	-142.88	1.12
1243	1/18/2021 6:06	1/18/2021 6:06	0:00:19	45.20	-150.85	487.32	45.80	-149.33	487.61	-143.41	0.59
1244	1/18/2021 6:10	1/18/2021 6:10	0:00:10	50.52	-131.43	490.28	50.66	-130.50	490.39	-143.78	0.22
1245	1/18/2021 6:14	1/18/2021 6:14	0:00:20	51.51	-107.18	492.23	51.35	-105.24	492.32	-143.00	1.00
1246	1/18/2021 6:47	1/18/2021 6:47	0:00:59	-30.71	-5.78	493.75	-33.32	-2.74	494.33	-143.00	1.00
1247	1/18/2021 6:48	1/18/2021 6:48	0:00:00	-34.60	-1.16	494.61	-34.60	-1.16	494.61	-143.89	0.11
1248	1/18/2021 6:49	1/18/2021 6:49	0:00:00	-36.66	1.61	495.07	-36.66	1.61	495.07	-143.84	0.16
1249	1/18/2021 6:50	1/18/2021 6:50	0:00:09	-38.25	3.93	495.41	-38.64	4.53	495.50	-143.98	0.02
1250	1/18/2021 6:52	1/18/2021 6:53	0:00:50	-43.35	12.98	496.42	-44.96	16.58	496.69	-142.90	1.10
1251	1/18/2021 6:54	1/18/2021 6:54	0:00:09	-46.98	21.98	496.97	-47.24	22.78	497.00	-143.77	0.23
1252	1/18/2021 7:24	1/18/2021 7:24	0:00:00	3.47	139.52	476.63	3.47	139.52	476.63	-143.69	0.31
1253	1/18/2021 7:33	1/18/2021 7:36	0:02:41	30.52	162.05	481.30	37.31	170.58	483.76	-143.01	0.99
1254	1/18/2021 7:40	1/18/2021 7:40	0:00:30	45.16	-174.87	487.17	46.06	-172.58	487.60	-143.42	0.58
1255	1/18/2021 7:44	1/18/2021 7:44	0:00:20	50.50	-155.46	490.15	50.78	-153.59	490.36	-143.61	0.39
1256	1/18/2021 7:48	1/18/2021 7:48	0:00:21	51.52	-131.21	492.13	51.36	-129.28	492.23	-143.02	0.98
1257	1/18/2021 8:11	1/18/2021 8:11	0:00:00	-3.24	-52.61	489.25	-3.24	-52.61	489.25	-143.93	0.07
1258	1/18/2021 8:21	1/18/2021 8:22	0:00:59	-31.10	-29.27	493.96	-33.70	-26.21	494.54	-142.97	1.03
1259	1/18/2021 8:26	1/18/2021 8:27	0:01:00	-43.31	-11.03	496.55	-45.23	-6.69	496.87	-142.90	1.10
1260	1/18/2021 8:28	1/18/2021 8:28	0:00:09	-46.95	-2.04	497.10	-47.21	-1.24	497.13	-143.68	0.32

Table 9 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)
1261	1/18/2021 9:08	1/18/2021 9:10	0:02:29	30.91	138.56	481.25	37.26	146.58	483.55	-143.06	0.94
1262	1/18/2021 9:14	1/18/2021 9:14	0:00:19	45.43	161.87	487.10	46.02	163.40	487.39	-143.55	0.45
1263	1/18/2021 9:33	1/18/2021 9:33	0:00:00	32.51	-106.05	490.86	32.51	-106.05	490.86	-143.48	0.52
1264	1/18/2021 9:45	1/18/2021 9:45	0:00:00	-3.19	-76.57	489.29	-3.19	-76.57	489.29	-143.75	0.25
1265	1/18/2021 9:55	1/18/2021 9:56	0:00:59	-31.05	-53.25	494.00	-33.65	-50.19	494.58	-142.99	1.01
1266	1/18/2021 9:58	1/18/2021 9:58	0:00:00	-37.37	-45.22	495.40	-37.37	-45.22	495.40	-143.94	0.06
1267	1/18/2021 9:58	1/18/2021 9:58	0:00:00	-38.94	-42.85	495.74	-38.94	-42.85	495.74	-143.84	0.16
1268	1/18/2021 10:00	1/18/2021 10:01	0:00:50	-43.60	-34.33	496.64	-45.19	-30.70	496.90	-142.82	1.18
1269	1/18/2021 10:02	1/18/2021 10:02	0:00:09	-47.18	-25.25	497.17	-47.44	-24.44	497.20	-143.64	0.36
1270	1/18/2021 10:30	1/18/2021 10:30	0:00:11	-5.20	85.55	477.08	-4.70	85.91	477.02	-143.57	0.43
1271	1/18/2021 10:33	1/18/2021 10:33	0:00:00	4.36	92.29	476.50	4.36	92.29	476.50	-143.56	0.44
1272	1/18/2021 11:03	1/18/2021 11:03	0:00:10	43.10	-146.16	492.27	42.76	-145.46	492.24	-143.94	0.06
1273	1/18/2021 11:07	1/18/2021 11:07	0:00:00	33.84	-131.60	491.15	33.84	-131.60	491.15	-143.95	0.05
1274	1/18/2021 11:07	1/18/2021 11:07	0:00:09	32.56	-130.04	490.99	32.12	-129.53	490.93	-143.78	0.22
1275	1/18/2021 11:29	1/18/2021 11:30	0:00:59	-31.44	-76.74	494.21	-34.02	-73.65	494.79	-142.98	1.02
1276	1/18/2021 11:32	1/18/2021 11:32	0:00:11	-37.32	-69.22	495.51	-37.71	-68.64	495.60	-143.94	0.06
1277	1/18/2021 11:32	1/18/2021 11:32	0:00:00	-38.89	-66.85	495.85	-38.89	-66.85	495.85	-143.94	0.06
1278	1/18/2021 11:34	1/18/2021 11:35	0:01:00	-43.56	-58.34	496.75	-45.45	-53.96	497.05	-143.05	0.95
1279	1/18/2021 11:37	1/18/2021 11:37	0:00:20	-47.15	-49.28	497.27	-47.66	-47.65	497.32	-143.56	0.44
1280	1/18/2021 12:04	1/18/2021 12:04	0:00:10	-4.76	61.94	477.01	-4.26	62.29	476.95	-143.66	0.34
1281	1/18/2021 12:16	1/18/2021 12:19	0:02:19	31.24	91.09	481.35	37.16	98.60	483.52	-143.12	0.88
1282	1/18/2021 12:31	1/18/2021 12:31	0:00:00	51.21	160.53	492.24	51.21	160.53	492.24	-143.31	0.69
1283	1/18/2021 12:37	1/18/2021 12:37	0:00:11	42.80	-169.48	492.28	42.45	-168.79	492.25	-143.92	0.08
1284	1/18/2021 12:41	1/18/2021 12:41	0:00:00	33.47	-155.06	491.16	33.47	-155.06	491.16	-143.87	0.13
1285	1/18/2021 12:42	1/18/2021 12:42	0:00:00	32.18	-153.52	490.99	32.18	-153.52	490.99	-143.97	0.03
1286	1/18/2021 13:04	1/18/2021 13:05	0:01:00	-31.82	-100.22	494.30	-34.39	-97.11	494.87	-142.92	1.08
1287	1/18/2021 13:06	1/18/2021 13:06	0:00:00	-37.66	-92.64	495.58	-37.66	-92.64	495.58	-143.95	0.05
1288	1/18/2021 13:07	1/18/2021 13:07	0:00:00	-39.22	-90.24	495.90	-39.22	-90.24	495.90	-143.82	0.18
1289	1/18/2021 13:09	1/18/2021 13:10	0:01:01	-43.85	-81.65	496.78	-45.71	-77.22	497.06	-142.83	1.17
1290	1/18/2021 13:11	1/18/2021 13:11	0:00:21	-47.37	-72.50	497.26	-47.88	-70.85	497.31	-143.42	0.58
1291	1/18/2021 13:38	1/18/2021 13:38	0:00:20	-4.82	37.97	476.94	-3.82	38.68	476.82	-143.64	0.36
1292	1/18/2021 13:41	1/18/2021 13:41	0:00:00	4.74	44.71	476.41	4.74	44.71	476.41	-143.79	0.21
1293	1/18/2021 13:51	1/18/2021 13:53	0:02:19	31.63	67.60	481.43	37.51	75.18	483.61	-143.09	0.91
1294	1/18/2021 13:57	1/18/2021 13:57	0:00:31	45.62	90.59	487.19	46.49	92.91	487.63	-143.59	0.41
1295	1/18/2021 14:01	1/18/2021 14:01	0:00:09	50.85	111.20	490.27	50.97	112.14	490.38	-143.71	0.29
1296	1/18/2021 14:28	1/18/2021 14:28	0:00:11	-4.00	-147.77	489.55	-4.50	-147.41	489.59	-143.63	0.37
1297	1/18/2021 14:38	1/18/2021 14:39	0:00:59	-31.77	-124.21	494.29	-34.34	-121.10	494.86	-142.92	1.08
1298	1/18/2021 14:40	1/18/2021 14:40	0:00:00	-38.01	-116.05	495.65	-38.01	-116.05	495.65	-143.96	0.04
1299	1/18/2021 14:41	1/18/2021 14:41	0:00:10	-39.18	-114.24	495.89	-39.56	-113.63	495.97	-143.85	0.15
1300	1/18/2021 14:43	1/18/2021 14:44	0:00:49	-44.13	-104.95	496.81	-45.68	-101.24	497.05	-142.91	1.09
1301	1/18/2021 14:45	1/18/2021 14:45	0:00:11	-47.60	-95.71	497.27	-47.85	-94.88	497.29	-143.44	0.56
1302	1/18/2021 15:13	1/18/2021 15:13	0:00:19	-4.38	14.36	476.84	-3.38	15.07	476.73	-143.61	0.39
1303	1/18/2021 16:02	1/18/2021 16:03	0:00:11	-4.44	-171.38	489.60	-4.94	-171.02	489.64	-143.71	0.29
1304	1/18/2021 16:12	1/18/2021 16:13	0:01:01	-32.15	-147.69	494.40	-34.71	-144.56	494.97	-142.93	1.07
1305	1/18/2021 16:15	1/18/2021 16:15	0:00:00	-38.36	-139.45	495.75	-38.36	-139.45	495.75	-143.95	0.05
1306	1/18/2021 16:15	1/18/2021 16:15	0:00:00	-39.51	-137.63	495.99	-39.51	-137.63	495.99	-143.85	0.15
1307	1/18/2021 16:17	1/18/2021 16:18	0:01:01	-44.10	-128.96	496.83	-45.94	-124.50	497.11	-142.90	1.10
1308	1/18/2021 16:19	1/18/2021 16:20	0:00:21	-47.57	-119.73	497.29	-48.06	-118.07	497.33	-143.24	0.76
1309	1/18/2021 16:59	1/18/2021 17:01	0:01:40	31.96	20.13	481.47	36.20	25.47	483.02	-143.24	0.76
1310	1/18/2021 17:01	1/18/2021 17:01	0:00:00	37.82	27.78	483.66	37.82	27.78	483.66	-143.99	0.01
1311	1/18/2021 17:06	1/18/2021 17:06	0:00:20	46.14	44.09	487.37	46.70	45.66	487.66	-143.70	0.30
1312	1/18/2021 17:09	1/18/2021 17:09	0:00:09	50.94	64.07	490.27	51.06	65.02	490.37	-143.71	0.29
1313	1/18/2021 17:14	1/18/2021 17:14	0:00:10	51.14	89.37	492.16	51.03	90.32	492.20	-143.52	0.48
1314	1/18/2021 17:37	1/18/2021 17:37	0:00:00	-4.89	165.01	489.60	-4.89	165.01	489.60	-143.44	0.56
1315	1/18/2021 17:44	1/18/2021 17:44	0:00:00	-26.27	-177.85	493.08	-26.27	-177.85	493.08	-143.95	0.05
1316	1/18/2021 17:46	1/18/2021 17:48	0:01:10	-32.10	-171.67	494.35	-35.08	-168.00	495.00	-142.88	1.12
1317	1/18/2021 17:49	1/18/2021 17:49	0:00:09	-38.31	-163.44	495.69	-38.70	-162.84	495.77	-143.96	0.04
1318	1/18/2021 17:49	1/18/2021 17:49	0:00:00	-39.85	-161.00	496.00	-39.85	-161.00	496.00	-143.76	0.24
1319	1/18/2021 17:52	1/18/2021 17:53	0:00:50	-44.38	-152.24	496.82	-45.90	-148.51	497.04	-142.82	1.18
1320	1/18/2021 17:54	1/18/2021 17:54	0:00:20	-47.79	-142.93	497.24	-48.27	-141.26	497.28	-143.15	0.85

Table 9 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)
1321	1/18/2021 18:34	1/18/2021 18:36	0:01:40	32.26	-3.54	482.09	36.48	1.84	483.67	-143.21	0.79
1322	1/18/2021 18:40	1/18/2021 18:40	0:00:09	46.33	20.60	488.06	46.61	21.39	488.20	-143.71	0.29
1323	1/18/2021 18:44	1/18/2021 18:44	0:00:20	50.90	39.74	490.83	51.14	41.64	491.03	-143.72	0.28
1324	1/18/2021 18:48	1/18/2021 18:48	0:00:10	51.07	65.99	492.77	50.96	66.94	492.81	-143.61	0.39
1325	1/18/2021 18:53	1/18/2021 18:53	0:00:11	44.67	90.69	492.91	44.36	91.42	492.88	-143.64	0.36
1326	1/18/2021 19:12	1/18/2021 19:12	0:00:00	-5.21	141.23	489.85	-5.21	141.23	489.85	-143.55	0.45
1327	1/18/2021 19:19	1/18/2021 19:19	0:00:00	-26.57	158.42	493.21	-26.57	158.42	493.21	-143.99	0.01
1328	1/18/2021 19:21	1/18/2021 19:22	0:01:10	-32.38	164.64	494.45	-35.35	168.34	495.08	-142.87	1.13
1329	1/18/2021 19:24	1/18/2021 19:24	0:00:39	-38.56	172.93	495.75	-40.09	175.39	496.05	-143.77	0.23
1330	1/18/2021 19:26	1/18/2021 19:27	0:00:49	-44.58	-175.78	496.83	-46.09	-172.02	497.04	-142.89	1.11
1331	1/18/2021 19:28	1/18/2021 19:29	0:00:20	-47.95	-166.40	497.22	-48.42	-164.72	497.25	-143.16	0.84
1332	1/18/2021 20:08	1/18/2021 20:10	0:01:41	32.63	-27.02	482.22	36.83	-21.60	483.81	-143.15	0.85
1333	1/18/2021 20:14	1/18/2021 20:15	0:00:19	46.29	-3.44	488.06	46.84	-1.86	488.35	-143.79	0.21
1334	1/18/2021 20:18	1/18/2021 20:18	0:00:09	51.01	16.62	490.96	51.12	17.58	491.07	-143.77	0.23
1335	1/18/2021 20:22	1/18/2021 20:22	0:00:00	51.38	39.04	492.70	51.38	39.04	492.70	-143.88	0.12
1336	1/18/2021 20:23	1/18/2021 20:23	0:00:11	50.97	42.87	492.86	50.85	43.82	492.90	-143.84	0.16
1337	1/18/2021 20:55	1/18/2021 20:56	0:01:01	-32.75	141.15	494.53	-35.29	144.33	495.07	-142.88	1.12
1338	1/18/2021 20:58	1/18/2021 20:58	0:00:00	-38.89	149.52	495.82	-38.89	149.52	495.82	-143.93	0.07
1339	1/18/2021 20:58	1/18/2021 20:59	0:00:11	-40.03	151.37	496.04	-40.41	152.00	496.12	-143.83	0.17
1340	1/18/2021 21:00	1/18/2021 21:02	0:01:01	-44.54	160.18	496.83	-46.33	164.71	497.08	-142.88	1.12
1341	1/18/2021 21:02	1/18/2021 21:03	0:00:21	-47.91	169.55	497.23	-48.39	171.23	497.26	-142.96	1.04
1342	1/18/2021 21:28	1/18/2021 21:28	0:00:10	-8.76	-84.57	477.72	-8.26	-84.21	477.64	-143.30	0.70
1343	1/18/2021 21:30	1/18/2021 21:30	0:00:20	-3.24	-80.63	477.00	-2.24	-79.92	476.92	-143.68	0.32
1344	1/18/2021 21:42	1/18/2021 21:44	0:01:31	33.00	-50.51	482.41	36.76	-45.61	483.85	-143.32	0.68
1345	1/18/2021 22:13	1/18/2021 22:14	0:00:30	13.91	79.64	489.53	12.43	80.76	489.45	-143.56	0.44
1346	1/18/2021 22:20	1/18/2021 22:20	0:00:00	-6.06	93.98	489.90	-6.06	93.98	489.90	-143.92	0.08
1347	1/18/2021 23:02	1/18/2021 23:03	0:00:20	-8.84	-108.56	477.92	-7.84	-107.83	477.75	-143.16	0.84
1348	1/18/2021 23:17	1/18/2021 23:18	0:01:40	32.92	-74.52	482.39	37.10	-69.05	483.96	-143.26	0.74
1349	1/18/2021 23:23	1/18/2021 23:23	0:00:19	46.48	-50.75	488.13	47.03	-49.16	488.41	-143.75	0.25
1350	1/18/2021 23:48	1/18/2021 23:48	0:00:31	13.49	56.03	489.32	12.01	57.15	489.25	-143.59	0.41
1351	1/19/2021 0:02	1/19/2021 0:02	0:00:00	-27.28	87.35	493.31	-27.28	87.35	493.31	-143.80	0.20
1352	1/19/2021 0:04	1/19/2021 0:05	0:01:11	-33.05	93.66	494.58	-35.99	97.42	495.23	-142.87	1.13
1353	1/19/2021 0:06	1/19/2021 0:07	0:00:31	-39.54	102.71	495.99	-40.66	104.59	496.22	-143.73	0.27
1354	1/19/2021 0:51	1/19/2021 0:53	0:01:31	33.29	-98.01	482.54	37.04	-93.07	483.94	-143.20	0.80
1355	1/19/2021 0:57	1/19/2021 0:58	0:00:20	46.71	-74.02	488.22	47.25	-72.41	488.49	-143.76	0.24
1356	1/19/2021 1:01	1/19/2021 1:01	0:00:09	51.17	-53.70	490.97	51.27	-52.74	491.07	-143.82	0.18
1357	1/19/2021 1:22	1/19/2021 1:23	0:00:41	13.57	32.05	489.21	11.59	33.54	489.12	-143.34	0.66
1358	1/19/2021 1:38	1/19/2021 1:39	0:01:01	-33.41	70.17	494.59	-35.93	73.41	495.14	-142.87	1.13
1359	1/19/2021 1:41	1/19/2021 1:41	0:00:41	-39.49	78.68	495.91	-40.98	81.21	496.21	-143.75	0.25
1360	1/19/2021 1:43	1/19/2021 1:44	0:01:00	-45.02	89.54	496.94	-46.76	94.15	497.18	-142.70	1.30
1361	1/19/2021 1:45	1/19/2021 1:46	0:00:20	-48.28	99.06	497.34	-48.74	100.77	497.37	-143.02	0.98
1362	1/19/2021 2:25	1/19/2021 2:27	0:01:30	33.65	-121.49	482.66	37.38	-116.51	484.06	-143.36	0.64
1363	1/19/2021 2:28	1/19/2021 2:28	0:00:00	40.84	-110.99	485.48	40.84	-110.99	485.48	-144.00	0.00
1364	1/19/2021 2:31	1/19/2021 2:32	0:00:10	46.95	-97.26	488.32	47.21	-96.46	488.46	-143.72	0.28
1365	1/19/2021 2:35	1/19/2021 2:35	0:00:10	51.26	-76.81	491.03	51.35	-75.85	491.12	-143.80	0.20
1366	1/19/2021 2:39	1/19/2021 2:39	0:00:29	51.43	-57.26	492.43	51.15	-54.37	492.56	-143.11	0.89
1367	1/19/2021 3:45	1/19/2021 3:46	0:00:20	-7.56	-179.41	477.76	-6.56	-178.69	477.61	-142.65	1.35
1368	1/19/2021 3:47	1/19/2021 3:47	0:00:09	-1.54	-175.13	477.06	-1.03	-174.77	477.03	-143.59	0.41
1369	1/19/2021 3:59	1/19/2021 4:01	0:01:40	33.59	-145.49	482.59	37.72	-139.93	484.15	-143.30	0.70
1370	1/19/2021 4:06	1/19/2021 4:06	0:00:20	46.91	-121.30	488.26	47.44	-119.69	488.54	-143.77	0.23
1371	1/19/2021 4:10	1/19/2021 4:10	0:00:00	51.25	-100.87	490.99	51.25	-100.87	490.99	-143.97	0.03
1372	1/19/2021 4:13	1/19/2021 4:13	0:00:09	51.17	-78.44	492.53	51.06	-77.48	492.57	-143.03	0.97
1373	1/19/2021 4:44	1/19/2021 4:44	0:00:00	-27.99	16.28	493.40	-27.99	16.28	493.40	-143.87	0.13
1374	1/19/2021 4:47	1/19/2021 4:48	0:00:59	-34.14	23.22	494.76	-36.62	26.52	495.31	-142.85	1.15
1375	1/19/2021 4:49	1/19/2021 4:50	0:00:30	-40.13	31.90	496.05	-41.23	33.82	496.27	-143.70	0.30
1376	1/19/2021 4:52	1/19/2021 4:53	0:01:00	-45.24	42.22	496.97	-46.95	46.86	497.20	-142.92	1.08
1377	1/19/2021 4:54	1/19/2021 4:54	0:00:31	-48.45	51.81	497.34	-49.10	54.39	497.37	-143.30	0.70
1378	1/19/2021 5:18	1/19/2021 5:18	0:00:00	-11.13	154.06	478.33	-11.13	154.06	478.33	-143.89	0.11
1379	1/19/2021 5:20	1/19/2021 5:20	0:00:20	-7.64	156.61	477.70	-6.63	157.33	477.54	-142.56	1.44
1380	1/19/2021 5:22	1/19/2021 5:22	0:00:09	-1.11	161.25	476.96	-0.60	161.60	476.93	-143.59	0.41

Table 9 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)
1381	1/19/2021 5:34	1/19/2021 5:35	0:01:29	33.96	-168.96	482.69	37.67	-163.94	484.11	-143.25	0.75
1382	1/19/2021 5:40	1/19/2021 5:40	0:00:21	47.14	-144.54	488.39	47.65	-142.91	488.66	-143.71	0.29
1383	1/19/2021 5:44	1/19/2021 5:44	0:00:10	51.33	-123.97	491.09	51.41	-123.01	491.19	-143.82	0.18
1384	1/19/2021 5:47	1/19/2021 5:48	0:00:39	51.37	-104.42	492.48	50.96	-100.59	492.64	-142.90	1.10
1385	1/19/2021 6:21	1/19/2021 6:22	0:01:00	-34.07	-0.78	494.88	-36.56	2.51	495.42	-142.85	1.15
1386	1/19/2021 6:24	1/19/2021 6:24	0:00:20	-40.45	8.51	496.23	-41.18	9.80	496.38	-143.63	0.37
1387	1/19/2021 6:26	1/19/2021 6:27	0:00:59	-45.49	18.93	497.12	-47.18	23.62	497.34	-142.84	1.16
1388	1/19/2021 6:28	1/19/2021 6:28	0:00:19	-48.64	28.61	497.46	-49.07	30.34	497.48	-143.34	0.66
1389	1/19/2021 7:08	1/19/2021 7:10	0:01:29	34.32	167.57	482.69	38.00	172.64	484.11	-143.31	0.69
1390	1/19/2021 7:11	1/19/2021 7:11	0:00:00	41.41	178.26	485.54	41.41	178.26	485.54	-143.91	0.09
1391	1/19/2021 7:14	1/19/2021 7:15	0:00:20	47.36	-167.77	488.38	47.86	-166.12	488.65	-143.71	0.29
1392	1/19/2021 7:18	1/19/2021 7:18	0:00:11	51.40	-147.07	491.07	51.48	-146.10	491.16	-143.77	0.23
1393	1/19/2021 7:21	1/19/2021 7:22	0:00:30	51.30	-127.52	492.44	50.98	-124.66	492.56	-142.75	1.25
1394	1/19/2021 7:39	1/19/2021 7:40	0:00:41	11.88	-62.38	489.31	9.90	-60.91	489.25	-143.09	0.91
1395	1/19/2021 7:58	1/19/2021 7:58	0:00:30	-40.39	-15.51	496.37	-41.48	-13.57	496.58	-143.45	0.55
1396	1/19/2021 8:00	1/19/2021 8:01	0:00:51	-45.74	-4.35	497.30	-47.14	-0.42	497.47	-143.08	0.92
1397	1/19/2021 8:03	1/19/2021 8:03	0:00:19	-48.83	5.42	497.61	-49.25	7.16	497.62	-143.54	0.46
1398	1/19/2021 8:42	1/19/2021 8:44	0:01:29	34.25	143.56	482.48	37.94	148.63	483.89	-143.26	0.74
1399	1/19/2021 8:48	1/19/2021 8:49	0:00:21	47.32	168.19	488.15	47.83	169.83	488.42	-143.72	0.28
1400	1/19/2021 8:52	1/19/2021 8:53	0:00:11	51.39	-171.14	490.85	51.47	-170.17	490.94	-143.70	0.30
1401	1/19/2021 9:14	1/19/2021 9:14	0:00:41	11.46	-85.99	489.29	9.47	-84.52	489.25	-143.02	0.98
1402	1/19/2021 9:27	1/19/2021 9:27	0:00:00	-28.69	-54.76	493.87	-28.69	-54.76	493.87	-143.90	0.10
1403	1/19/2021 9:30	1/19/2021 9:31	0:01:00	-34.79	-47.72	495.22	-37.25	-44.36	495.76	-142.83	1.17
1404	1/19/2021 9:32	1/19/2021 9:33	0:00:29	-40.71	-38.89	496.47	-41.79	-36.93	496.68	-143.65	0.35
1405	1/19/2021 9:35	1/19/2021 9:36	0:00:59	-45.70	-28.38	497.34	-47.36	-23.65	497.54	-142.90	1.10
1406	1/19/2021 9:37	1/19/2021 9:37	0:00:19	-48.80	-18.63	497.64	-49.22	-16.89	497.66	-143.54	0.46
1407	1/19/2021 10:01	1/19/2021 10:02	0:00:30	-10.36	82.86	478.01	-8.86	83.95	477.72	-143.83	0.17
1408	1/19/2021 10:02	1/19/2021 10:03	0:00:20	-6.86	85.40	477.39	-5.85	86.12	477.24	-142.29	1.71
1409	1/19/2021 10:04	1/19/2021 10:05	0:00:21	-0.32	90.03	476.69	0.68	90.73	476.64	-143.54	0.46
1410	1/19/2021 10:45	1/19/2021 10:45	0:00:00	20.31	-116.91	489.92	20.31	-116.91	489.92	-143.94	0.06
1411	1/19/2021 10:48	1/19/2021 10:49	0:00:39	11.03	-109.60	489.39	9.05	-108.14	489.35	-142.91	1.09
1412	1/19/2021 11:02	1/19/2021 11:02	0:00:00	-29.08	-78.29	494.07	-29.08	-78.29	494.07	-143.89	0.11
1413	1/19/2021 11:04	1/19/2021 11:05	0:00:59	-34.73	-71.72	495.33	-37.19	-68.38	495.87	-142.84	1.16
1414	1/19/2021 11:06	1/19/2021 11:07	0:00:21	-41.02	-62.26	496.65	-41.74	-60.95	496.79	-143.44	0.56
1415	1/19/2021 11:09	1/19/2021 11:10	0:00:51	-45.95	-51.65	497.48	-47.32	-47.70	497.64	-143.08	0.92
1416	1/19/2021 11:11	1/19/2021 11:11	0:00:20	-48.98	-41.82	497.75	-49.39	-40.07	497.76	-143.75	0.25
1417	1/19/2021 11:35	1/19/2021 11:37	0:01:31	-9.93	59.24	477.92	-5.43	62.49	477.17	-142.46	1.54
1418	1/19/2021 11:39	1/19/2021 11:39	0:00:20	0.10	66.40	476.64	1.11	67.11	476.59	-143.50	0.50
1419	1/19/2021 11:46	1/19/2021 11:46	0:00:00	22.36	83.30	478.81	22.36	83.30	478.81	-143.99	0.01
1420	1/19/2021 11:51	1/19/2021 11:53	0:01:30	34.97	96.63	482.74	38.61	101.79	484.17	-143.22	0.78
1421	1/19/2021 12:04	1/19/2021 12:05	0:00:40	51.24	161.24	492.39	50.78	165.04	492.55	-142.73	1.27
1422	1/19/2021 12:08	1/19/2021 12:08	0:00:00	46.35	-176.77	492.77	46.35	-176.77	492.77	-143.98	0.02
1423	1/19/2021 12:38	1/19/2021 12:39	0:01:00	-35.08	-95.19	495.40	-37.53	-91.81	495.93	-142.87	1.13
1424	1/19/2021 12:41	1/19/2021 12:41	0:00:20	-41.32	-85.64	496.69	-42.03	-84.32	496.83	-143.37	0.63
1425	1/19/2021 12:43	1/19/2021 12:44	0:00:59	-45.90	-75.70	497.44	-47.54	-70.94	497.63	-142.94	1.06
1426	1/19/2021 12:45	1/19/2021 12:45	0:00:09	-49.15	-65.01	497.72	-49.36	-64.13	497.72	-143.72	0.28
1427	1/19/2021 13:11	1/19/2021 13:11	0:00:00	-5.51	38.51	477.11	-5.51	38.51	477.11	-142.68	1.32
1428	1/19/2021 13:13	1/19/2021 13:13	0:00:21	0.03	42.42	476.58	1.03	43.13	476.53	-143.45	0.55
1429	1/19/2021 13:21	1/19/2021 13:21	0:00:00	22.76	59.73	478.86	22.76	59.73	478.86	-143.99	0.01
1430	1/19/2021 13:25	1/19/2021 13:27	0:01:29	34.91	72.62	482.67	38.55	77.78	484.10	-143.16	0.84
1431	1/19/2021 13:31	1/19/2021 13:32	0:00:20	47.72	97.68	488.38	48.20	99.35	488.65	-143.67	0.33
1432	1/19/2021 13:35	1/19/2021 13:35	0:00:11	51.51	118.59	491.06	51.58	119.57	491.15	-143.57	0.43
1433	1/19/2021 13:38	1/19/2021 13:39	0:00:30	51.16	138.13	492.41	50.80	140.97	492.53	-142.71	1.29
1434	1/19/2021 13:43	1/19/2021 13:43	0:00:00	46.11	159.97	492.76	46.11	159.97	492.76	-143.92	0.08
1435	1/19/2021 14:10	1/19/2021 14:10	0:00:00	-29.39	-125.81	494.16	-29.39	-125.81	494.16	-143.98	0.02
1436	1/19/2021 14:12	1/19/2021 14:14	0:01:01	-35.44	-118.65	495.48	-37.86	-115.24	496.00	-142.81	1.19
1437	1/19/2021 14:15	1/19/2021 14:15	0:00:19	-41.63	-109.01	496.74	-42.33	-107.67	496.87	-143.44	0.56
1438	1/19/2021 14:17	1/19/2021 14:18	0:00:50	-46.15	-98.97	497.46	-47.50	-94.99	497.61	-143.02	0.98
1439	1/19/2021 14:20	1/19/2021 14:20	0:00:09	-49.12	-89.07	497.69	-49.33	-88.19	497.70	-143.93	0.07
1440	1/19/2021 14:40	1/19/2021 14:40	0:00:11	-20.86	2.80	480.69	-20.38	3.21	480.54	-143.85	0.15

Table 9 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)
1441	1/19/2021 14:44	1/19/2021 14:45	0:01:19	-9.09	12.01	477.63	-5.08	14.89	477.01	-142.61	1.39
1442	1/19/2021 14:47	1/19/2021 14:48	0:00:20	0.46	18.80	476.51	1.46	19.50	476.47	-143.41	0.59
1443	1/19/2021 15:45	1/19/2021 15:45	0:00:00	-29.77	-149.33	494.27	-29.77	-149.33	494.27	-143.75	0.25
1444	1/19/2021 15:47	1/19/2021 15:48	0:01:00	-35.38	-142.66	495.50	-37.81	-139.25	496.01	-142.84	1.16
1445	1/19/2021 15:49	1/19/2021 15:50	0:00:20	-41.58	-133.03	496.76	-42.28	-131.70	496.89	-143.22	0.78
1446	1/19/2021 15:52	1/19/2021 15:53	0:00:41	-46.39	-122.23	497.52	-47.47	-119.04	497.63	-143.03	0.97
1447	1/19/2021 15:54	1/19/2021 15:54	0:00:00	-49.30	-112.25	497.72	-49.30	-112.25	497.72	-143.85	0.15
1448	1/19/2021 16:34	1/19/2021 16:35	0:01:31	35.62	25.71	482.86	39.22	30.96	484.30	-143.08	0.92
1449	1/19/2021 16:40	1/19/2021 16:40	0:00:30	47.89	50.42	488.40	48.60	52.95	488.80	-143.70	0.30
1450	1/19/2021 16:44	1/19/2021 16:44	0:00:11	51.56	71.43	491.04	51.62	72.40	491.13	-143.38	0.62
1451	1/19/2021 17:05	1/19/2021 17:06	0:00:41	9.84	155.58	489.43	7.85	157.03	489.41	-142.45	1.55
1452	1/19/2021 17:21	1/19/2021 17:22	0:01:01	-35.73	-166.11	495.52	-38.14	-162.67	496.03	-142.87	1.13
1453	1/19/2021 17:24	1/19/2021 17:24	0:00:19	-41.88	-156.39	496.76	-42.58	-155.04	496.88	-143.29	0.71
1454	1/19/2021 17:26	1/19/2021 17:27	0:00:50	-46.35	-146.27	497.45	-47.68	-142.26	497.58	-142.96	1.04
1455	1/19/2021 17:28	1/19/2021 17:28	0:00:00	-48.63	-138.90	497.64	-48.63	-138.90	497.64	-143.88	0.12
1456	1/19/2021 17:28	1/19/2021 17:28	0:00:00	-49.47	-135.42	497.65	-49.47	-135.42	497.65	-143.98	0.02
1457	1/19/2021 17:56	1/19/2021 17:56	0:00:11	1.82	-28.09	476.37	2.32	-27.74	476.36	-143.49	0.51
1458	1/19/2021 18:03	1/19/2021 18:03	0:00:00	23.50	-11.38	478.94	23.50	-11.38	478.94	-143.97	0.03
1459	1/19/2021 18:08	1/19/2021 18:10	0:01:31	35.56	1.71	482.82	39.16	6.95	484.26	-143.01	0.99
1460	1/19/2021 18:14	1/19/2021 18:15	0:00:30	48.10	27.21	488.51	48.79	29.77	488.91	-143.70	0.30
1461	1/19/2021 18:18	1/19/2021 18:18	0:00:21	51.55	47.37	491.03	51.67	49.32	491.20	-143.24	0.76
1462	1/19/2021 18:21	1/19/2021 18:22	0:00:41	51.10	66.90	492.36	50.59	70.67	492.50	-143.14	0.86
1463	1/19/2021 18:45	1/19/2021 18:45	0:00:00	-8.60	144.77	490.43	-8.60	144.77	490.43	-143.74	0.26
1464	1/19/2021 18:55	1/19/2021 18:57	0:01:31	-35.67	169.88	495.53	-39.25	175.12	496.27	-142.83	1.17
1465	1/19/2021 18:58	1/19/2021 18:58	0:00:31	-41.83	179.59	496.76	-42.87	-178.38	496.95	-143.19	0.81
1466	1/19/2021 19:00	1/19/2021 19:01	0:00:41	-46.59	-169.52	497.48	-47.65	-166.30	497.58	-143.35	0.65
1467	1/19/2021 19:02	1/19/2021 19:02	0:00:00	-49.44	-159.47	497.65	-49.44	-159.47	497.65	-143.92	0.08
1468	1/19/2021 19:28	1/19/2021 19:28	0:00:09	-4.79	-56.68	476.85	-4.29	-56.32	476.79	-142.79	1.21
1469	1/19/2021 19:30	1/19/2021 19:31	0:00:30	1.25	-52.42	476.36	2.76	-51.36	476.32	-143.48	0.52
1470	1/19/2021 19:38	1/19/2021 19:38	0:00:00	23.91	-34.93	479.02	23.91	-34.93	479.02	-143.98	0.02
1471	1/19/2021 19:42	1/19/2021 19:44	0:01:31	35.92	-21.74	482.96	39.49	-16.44	484.41	-143.03	0.97
1472	1/19/2021 19:48	1/19/2021 19:49	0:00:31	48.07	3.17	488.52	48.76	5.72	488.93	-143.74	0.26
1473	1/19/2021 19:52	1/19/2021 19:52	0:00:20	51.60	24.28	491.15	51.70	26.24	491.32	-143.25	0.75
1474	1/19/2021 19:55	1/19/2021 19:56	0:00:30	51.00	43.79	492.45	50.61	46.61	492.56	-143.22	0.78
1475	1/19/2021 20:27	1/19/2021 20:27	0:00:00	-30.47	139.66	494.41	-30.47	139.66	494.41	-143.77	0.23
1476	1/19/2021 20:29	1/19/2021 20:31	0:01:01	-36.02	146.44	495.61	-38.42	149.90	496.11	-142.85	1.15
1477	1/19/2021 20:32	1/19/2021 20:32	0:00:19	-42.13	156.24	496.83	-42.82	157.60	496.95	-143.02	0.98
1478	1/19/2021 20:35	1/19/2021 20:35	0:00:40	-46.83	167.24	497.52	-47.86	170.48	497.61	-143.29	0.71
1479	1/19/2021 20:37	1/19/2021 20:37	0:00:00	-49.61	177.37	497.66	-49.61	177.37	497.66	-143.90	0.10
1480	1/19/2021 20:57	1/19/2021 20:57	0:00:09	-19.70	-91.91	480.25	-19.21	-91.51	480.10	-143.88	0.12
1481	1/19/2021 21:01	1/19/2021 21:02	0:00:11	-7.87	-82.81	477.37	-7.37	-82.45	477.29	-143.80	0.20
1482	1/19/2021 21:02	1/19/2021 21:03	0:00:39	-5.87	-81.37	477.06	-3.86	-79.94	476.81	-142.89	1.11
1483	1/19/2021 21:05	1/19/2021 21:05	0:00:20	1.68	-76.05	476.42	2.69	-75.34	476.39	-143.49	0.51
1484	1/19/2021 21:48	1/19/2021 21:49	0:01:00	8.56	84.74	489.42	5.56	86.89	489.43	-142.87	1.13
1485	1/19/2021 22:32	1/19/2021 22:32	0:00:11	-19.29	-115.50	480.33	-18.80	-115.10	480.18	-143.90	0.10
1486	1/19/2021 22:36	1/19/2021 22:36	0:00:10	-7.45	-106.43	477.47	-6.94	-106.07	477.39	-143.89	0.11
1487	1/19/2021 22:46	1/19/2021 22:46	0:00:00	24.24	-82.48	479.23	24.24	-82.48	479.23	-143.99	0.01
1488	1/19/2021 22:51	1/19/2021 22:52	0:01:31	36.20	-69.20	483.11	39.76	-63.86	484.54	-142.93	1.07
1489	1/19/2021 23:23	1/19/2021 23:23	0:00:29	8.13	61.12	489.25	6.64	62.19	489.25	-142.95	1.05
1490	1/19/2021 23:23	1/19/2021 23:23	0:00:00	5.14	63.26	489.27	5.14	63.26	489.27	-143.76	0.24
1491	1/19/2021 23:28	1/19/2021 23:28	0:00:00	-9.38	73.56	490.37	-9.38	73.56	490.37	-143.97	0.03
1492	1/19/2021 23:38	1/19/2021 23:39	0:01:01	-36.31	98.98	495.69	-38.70	102.48	496.21	-142.85	1.15
1493	1/19/2021 23:40	1/19/2021 23:40	0:00:00	-39.85	104.32	496.45	-39.85	104.32	496.45	-143.91	0.09
1494	1/20/2021 0:06	1/20/2021 0:06	0:00:11	-18.87	-139.08	480.33	-18.39	-138.69	480.18	-143.89	0.11
1495	1/20/2021 0:25	1/20/2021 0:27	0:01:31	36.55	-92.65	483.25	40.08	-87.25	484.67	-143.04	0.96
1496	1/20/2021 0:31	1/20/2021 0:32	0:00:30	48.43	-67.30	488.64	49.09	-64.71	489.02	-143.76	0.24
1497	1/20/2021 0:35	1/20/2021 0:35	0:00:20	51.63	-46.96	491.03	51.72	-45.00	491.20	-143.52	0.48
1498	1/20/2021 0:38	1/20/2021 0:38	0:00:10	50.93	-27.47	492.25	50.80	-26.53	492.28	-143.43	0.57
1499	1/20/2021 0:57	1/20/2021 0:57	0:00:30	7.71	37.50	489.12	6.21	38.57	489.13	-143.06	0.94
1500	1/20/2021 0:58	1/20/2021 0:58	0:00:00	4.71	39.64	489.16	4.71	39.64	489.16	-143.74	0.26

Table 9 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)
1501	1/20/2021 1:03	1/20/2021 1:03	0:00:00	-9.80	49.95	490.32	-9.80	49.95	490.32	-143.87	0.13
1502	1/20/2021 1:10	1/20/2021 1:10	0:00:00	-31.16	68.65	494.45	-31.16	68.65	494.45	-143.85	0.15
1503	1/20/2021 1:12	1/20/2021 1:13	0:01:00	-36.66	75.54	495.70	-39.03	79.07	496.21	-142.87	1.13
1504	1/20/2021 1:15	1/20/2021 1:15	0:00:20	-42.68	85.52	496.94	-43.35	86.91	497.06	-142.87	1.13
1505	1/20/2021 1:17	1/20/2021 1:18	0:00:11	-46.98	95.91	497.60	-47.24	96.71	497.63	-143.60	0.40
1506	1/20/2021 1:18	1/20/2021 1:18	0:00:00	-48.00	99.18	497.71	-48.00	99.18	497.71	-143.91	0.09
1507	1/20/2021 1:19	1/20/2021 1:19	0:00:00	-49.89	107.00	497.77	-49.89	107.00	497.77	-143.72	0.28
1508	1/20/2021 2:00	1/20/2021 2:01	0:01:20	36.90	-116.08	483.38	40.02	-111.27	484.64	-143.09	0.91
1509	1/20/2021 2:06	1/20/2021 2:06	0:00:20	48.63	-90.49	488.73	49.06	-88.76	488.98	-143.82	0.18
1510	1/20/2021 2:09	1/20/2021 2:09	0:00:20	51.68	-70.05	491.08	51.75	-68.09	491.24	-143.54	0.46
1511	1/20/2021 2:12	1/20/2021 2:13	0:00:39	50.95	-51.53	492.22	50.40	-47.79	492.34	-143.33	0.67
1512	1/20/2021 3:19	1/20/2021 3:19	0:00:09	-6.66	-177.64	477.42	-6.16	-177.29	477.34	-143.95	0.05
1513	1/20/2021 3:19	1/20/2021 3:20	0:00:59	-4.15	-175.86	477.07	-1.13	-173.73	476.78	-143.18	0.82
1514	1/20/2021 3:22	1/20/2021 3:22	0:00:19	3.40	-170.54	476.57	4.40	-169.83	476.57	-143.65	0.35
1515	1/20/2021 3:29	1/20/2021 3:29	0:00:00	24.97	-153.58	479.42	24.97	-153.58	479.42	-143.99	0.01
1516	1/20/2021 3:34	1/20/2021 3:35	0:01:29	36.85	-140.09	483.31	40.35	-134.65	484.73	-143.15	0.85
1517	1/20/2021 3:40	1/20/2021 3:40	0:00:19	48.60	-114.54	488.67	49.04	-112.81	488.93	-143.78	0.22
1518	1/20/2021 4:54	1/20/2021 4:55	0:01:09	-4.22	160.17	477.01	-0.70	162.65	476.68	-143.12	0.88
1519	1/20/2021 4:56	1/20/2021 4:56	0:00:09	3.83	165.84	476.50	4.33	166.20	476.50	-143.63	0.37
1520	1/20/2021 5:03	1/20/2021 5:03	0:00:00	25.38	-177.12	479.48	25.38	-177.12	479.48	-143.99	0.01
1521	1/20/2021 5:08	1/20/2021 5:09	0:01:29	37.19	-163.51	483.43	40.67	-158.02	484.85	-143.20	0.80
1522	1/20/2021 5:53	1/20/2021 5:53	0:00:00	-31.85	-2.34	494.75	-31.85	-2.34	494.75	-143.86	0.14
1523	1/20/2021 5:55	1/20/2021 5:56	0:00:59	-37.30	4.67	495.96	-39.63	8.26	496.46	-142.88	1.12
1524	1/20/2021 5:58	1/20/2021 5:58	0:00:30	-42.87	14.15	497.09	-43.87	16.25	497.26	-143.01	0.99
1525	1/20/2021 6:00	1/20/2021 6:00	0:00:10	-47.39	25.41	497.75	-47.65	26.22	497.77	-143.73	0.27
1526	1/20/2021 6:02	1/20/2021 6:02	0:00:20	-49.99	35.74	497.85	-50.32	37.57	497.82	-143.26	0.74
1527	1/20/2021 6:27	1/20/2021 6:27	0:00:09	-6.30	134.76	477.21	-5.80	135.12	477.14	-143.85	0.15
1528	1/20/2021 6:28	1/20/2021 6:29	0:01:09	-3.79	136.55	476.88	-0.27	139.03	476.56	-143.03	0.97
1529	1/20/2021 6:30	1/20/2021 6:31	0:00:10	4.26	142.22	476.40	4.76	142.58	476.40	-143.60	0.40
1530	1/20/2021 6:38	1/20/2021 6:38	0:00:00	25.77	159.33	479.46	25.77	159.33	479.46	-144.00	0.00
1531	1/20/2021 6:42	1/20/2021 6:44	0:01:19	37.54	173.06	483.43	40.61	177.97	484.70	-143.17	0.83
1532	1/20/2021 6:48	1/20/2021 6:48	0:00:19	48.76	-161.76	488.67	49.18	-160.02	488.92	-143.83	0.17
1533	1/20/2021 6:52	1/20/2021 6:52	0:00:30	51.70	-141.25	491.03	51.78	-138.30	491.27	-143.79	0.21
1534	1/20/2021 6:55	1/20/2021 6:56	0:00:50	50.88	-122.75	492.18	50.14	-118.10	492.33	-143.16	0.84
1535	1/20/2021 7:14	1/20/2021 7:15	0:01:10	6.49	-57.32	489.32	2.99	-54.84	489.42	-143.52	0.48
1536	1/20/2021 7:20	1/20/2021 7:20	0:00:00	-11.01	-44.86	490.75	-11.01	-44.86	490.75	-143.98	0.02
1537	1/20/2021 8:12	1/20/2021 8:12	0:00:00	25.71	135.34	479.27	25.71	135.34	479.27	-143.99	0.01
1538	1/20/2021 8:17	1/20/2021 8:18	0:01:29	37.48	149.06	483.21	40.93	154.59	484.63	-143.36	0.64
1539	1/20/2021 8:23	1/20/2021 8:23	0:00:09	48.95	175.06	488.56	49.16	175.93	488.69	-143.84	0.16
1540	1/20/2021 8:26	1/20/2021 8:27	0:00:30	51.73	-164.32	490.89	51.79	-161.37	491.13	-143.82	0.18
1541	1/20/2021 8:43	1/20/2021 8:43	0:00:00	20.32	-91.86	489.77	20.32	-91.86	489.77	-143.87	0.13
1542	1/20/2021 8:48	1/20/2021 8:49	0:01:09	6.06	-80.94	489.34	2.55	-78.46	489.46	-143.46	0.54
1543	1/20/2021 8:54	1/20/2021 8:54	0:00:00	-11.44	-68.47	490.86	-11.44	-68.47	490.86	-143.98	0.02
1544	1/20/2021 9:04	1/20/2021 9:05	0:00:59	-37.59	-42.76	496.22	-39.91	-39.14	496.71	-142.88	1.12
1545	1/20/2021 9:06	1/20/2021 9:07	0:00:39	-43.12	-33.20	497.32	-44.43	-30.36	497.54	-142.87	1.13
1546	1/20/2021 9:09	1/20/2021 9:09	0:00:00	-47.83	-21.03	497.97	-47.83	-21.03	497.97	-143.85	0.15
1547	1/20/2021 9:36	1/20/2021 9:36	0:00:20	-5.94	87.17	477.05	-4.94	87.89	476.90	-143.71	0.29
1548	1/20/2021 9:36	1/20/2021 9:38	0:01:01	-2.93	89.31	476.66	0.09	91.44	476.40	-142.76	1.24
1549	1/20/2021 9:39	1/20/2021 9:39	0:00:11	5.13	94.99	476.26	5.63	95.34	476.26	-143.83	0.17
1550	1/20/2021 10:18	1/20/2021 10:18	0:00:00	19.90	-115.44	489.83	19.90	-115.44	489.83	-143.60	0.40
1551	1/20/2021 10:19	1/20/2021 10:19	0:00:00	17.00	-113.06	489.65	17.00	-113.06	489.65	-143.89	0.11
1552	1/20/2021 10:36	1/20/2021 10:36	0:00:00	-32.54	-73.31	495.22	-32.54	-73.31	495.22	-143.77	0.23
1553	1/20/2021 10:38	1/20/2021 10:39	0:01:09	-37.53	-66.77	496.33	-40.22	-62.52	496.89	-142.90	1.10
1554	1/20/2021 10:41	1/20/2021 10:41	0:00:29	-43.40	-56.53	497.49	-44.38	-54.39	497.65	-142.84	1.16
1555	1/20/2021 10:43	1/20/2021 10:43	0:00:09	-47.79	-45.07	498.08	-48.04	-44.24	498.10	-143.91	0.09
1556	1/20/2021 10:45	1/20/2021 10:45	0:00:10	-50.26	-34.59	498.11	-50.41	-33.67	498.09	-142.55	1.45
1557	1/20/2021 11:10	1/20/2021 11:10	0:00:20	-5.51	63.55	476.98	-4.51	64.27	476.84	-143.59	0.41
1558	1/20/2021 11:11	1/20/2021 11:12	0:01:01	-2.50	65.69	476.60	0.52	67.81	476.36	-142.56	1.44
1559	1/20/2021 11:14	1/20/2021 11:14	0:00:00	5.55	71.37	476.24	5.55	71.37	476.24	-143.80	0.20
1560	1/20/2021 11:25	1/20/2021 11:26	0:00:50	37.76	101.63	483.33	39.71	104.66	484.13	-143.62	0.38

Table 9 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)
1561	1/20/2021 11:38	1/20/2021 11:39	0:00:50	50.80	166.02	492.12	50.04	170.65	492.28	-143.02	0.98
1562	1/20/2021 11:52	1/20/2021 11:52	0:00:00	19.49	-139.02	489.87	19.49	-139.02	489.87	-143.38	0.62
1563	1/20/2021 11:53	1/20/2021 11:53	0:00:09	17.07	-137.05	489.71	16.59	-136.66	489.69	-143.90	0.10
1564	1/20/2021 12:12	1/20/2021 12:13	0:00:59	-37.86	-90.19	496.39	-40.17	-86.54	496.87	-142.89	1.11
1565	1/20/2021 12:14	1/20/2021 12:14	0:00:00	-41.27	-84.62	497.08	-41.27	-84.62	497.08	-143.97	0.03
1566	1/20/2021 12:15	1/20/2021 12:15	0:00:39	-43.35	-80.56	497.46	-44.65	-77.69	497.67	-142.77	1.23
1567	1/20/2021 12:17	1/20/2021 12:17	0:00:00	-48.00	-68.29	498.06	-48.00	-68.29	498.06	-143.89	0.11
1568	1/20/2021 12:19	1/20/2021 12:19	0:00:09	-50.39	-57.74	498.05	-50.54	-56.81	498.03	-143.37	0.63
1569	1/20/2021 12:44	1/20/2021 12:44	0:00:11	-5.08	39.93	476.85	-4.58	40.29	476.78	-143.52	0.48
1570	1/20/2021 12:45	1/20/2021 12:46	0:01:00	-2.07	42.06	476.49	0.96	44.19	476.27	-142.92	1.08
1571	1/20/2021 12:48	1/20/2021 12:48	0:00:00	5.98	47.75	476.19	5.98	47.75	476.19	-143.78	0.22
1572	1/20/2021 12:59	1/20/2021 13:01	0:01:29	38.10	78.21	483.43	41.50	83.85	484.86	-143.55	0.45
1573	1/20/2021 13:05	1/20/2021 13:06	0:00:30	49.07	103.78	488.67	49.66	106.44	489.04	-143.79	0.21
1574	1/20/2021 13:46	1/20/2021 13:47	0:01:00	-38.20	-113.61	496.45	-40.49	-109.93	496.92	-142.90	1.10
1575	1/20/2021 13:49	1/20/2021 13:49	0:00:29	-43.64	-103.88	497.49	-44.61	-101.73	497.64	-142.88	1.12
1576	1/20/2021 13:52	1/20/2021 13:52	0:00:11	-48.21	-91.50	498.05	-48.44	-90.66	498.06	-143.85	0.15
1577	1/20/2021 13:54	1/20/2021 13:54	0:00:09	-50.52	-80.87	498.00	-50.66	-79.94	497.98	-143.56	0.44
1578	1/20/2021 14:20	1/20/2021 14:20	0:00:50	-1.63	18.44	476.41	0.88	20.21	476.23	-142.87	1.13
1579	1/20/2021 14:22	1/20/2021 14:22	0:00:09	5.91	23.77	476.14	6.41	24.13	476.15	-143.85	0.15
1580	1/20/2021 14:34	1/20/2021 14:35	0:01:29	38.05	54.20	483.38	41.45	59.83	484.81	-143.34	0.66
1581	1/20/2021 15:06	1/20/2021 15:07	0:00:50	3.84	-175.07	489.61	1.33	-173.30	489.72	-142.87	1.13
1582	1/20/2021 15:11	1/20/2021 15:11	0:00:00	-12.64	-163.27	491.23	-12.64	-163.27	491.23	-143.98	0.02
1583	1/20/2021 15:19	1/20/2021 15:19	0:00:00	-33.21	-144.28	495.40	-33.21	-144.28	495.40	-143.97	0.03
1584	1/20/2021 15:21	1/20/2021 15:22	0:01:10	-38.15	-137.62	496.47	-40.80	-133.30	497.01	-142.92	1.08
1585	1/20/2021 15:23	1/20/2021 15:24	0:00:39	-43.59	-127.91	497.51	-44.87	-125.02	497.71	-142.71	1.29
1586	1/20/2021 15:26	1/20/2021 15:26	0:00:21	-48.17	-115.55	498.07	-48.63	-113.85	498.10	-143.76	0.24
1587	1/20/2021 16:40	1/20/2021 16:41	0:01:10	4.41	160.60	489.55	0.90	163.08	489.71	-142.89	1.11
1588	1/20/2021 16:55	1/20/2021 16:56	0:01:09	-38.09	-161.63	496.41	-40.75	-157.31	496.95	-142.90	1.10
1589	1/20/2021 16:57	1/20/2021 16:57	0:00:00	-41.84	-155.35	497.15	-41.84	-155.35	497.15	-143.99	0.01
1590	1/20/2021 16:58	1/20/2021 16:58	0:00:40	-43.88	-151.22	497.50	-45.14	-148.30	497.69	-142.90	1.10
1591	1/20/2021 17:00	1/20/2021 17:00	0:00:20	-48.38	-138.74	498.02	-48.82	-137.04	498.04	-143.62	0.38
1592	1/20/2021 17:31	1/20/2021 17:31	0:00:00	6.78	-23.46	476.08	6.78	-23.46	476.08	-143.89	0.11
1593	1/20/2021 17:42	1/20/2021 17:44	0:01:40	38.34	6.78	483.42	42.07	13.13	485.02	-143.49	0.51
1594	1/20/2021 17:48	1/20/2021 17:48	0:00:29	49.39	33.40	488.78	49.95	36.09	489.15	-143.59	0.41
1595	1/20/2021 17:51	1/20/2021 17:52	0:00:50	51.77	53.27	490.97	51.77	58.19	491.35	-143.69	0.31
1596	1/20/2021 17:55	1/20/2021 17:56	0:00:50	50.61	71.68	492.08	49.79	76.26	492.23	-143.00	1.00
1597	1/20/2021 17:56	1/20/2021 17:56	0:00:11	49.01	79.80	492.31	48.79	80.67	492.32	-143.74	0.26
1598	1/20/2021 18:14	1/20/2021 18:15	0:01:09	3.98	136.99	489.60	0.47	139.46	489.77	-142.90	1.10
1599	1/20/2021 18:29	1/20/2021 18:30	0:01:10	-38.43	174.96	496.49	-41.07	179.32	497.02	-142.92	1.08
1600	1/20/2021 18:32	1/20/2021 18:32	0:00:30	-44.16	-174.53	497.55	-45.10	-172.33	497.69	-142.74	1.26
1601	1/20/2021 18:34	1/20/2021 18:35	0:00:20	-48.57	-161.93	498.03	-49.01	-160.21	498.04	-143.46	0.54
1602	1/20/2021 18:39	1/20/2021 18:39	0:00:00	-51.80	-135.68	497.08	-51.80	-135.68	497.08	-143.95	0.05
1603	1/20/2021 18:57	1/20/2021 18:58	0:00:20	-15.80	-63.71	478.94	-14.82	-62.94	478.67	-143.66	0.34
1604	1/20/2021 19:01	1/20/2021 19:02	0:00:19	-3.85	-54.89	476.52	-2.85	-54.18	476.40	-143.36	0.64
1605	1/20/2021 19:02	1/20/2021 19:03	0:00:31	-0.33	-52.41	476.18	1.18	-51.35	476.09	-142.25	1.75
1606	1/20/2021 19:05	1/20/2021 19:05	0:00:09	6.71	-47.43	476.04	7.21	-47.07	476.06	-143.93	0.07
1607	1/20/2021 19:16	1/20/2021 19:17	0:01:09	38.28	-17.22	483.41	40.94	-12.86	484.53	-143.43	0.57
1608	1/20/2021 19:18	1/20/2021 19:18	0:00:00	42.02	-10.88	485.01	42.02	-10.88	485.01	-143.18	0.82
1609	1/20/2021 19:22	1/20/2021 19:23	0:00:30	49.56	10.25	488.92	50.10	12.96	489.29	-143.52	0.48
1610	1/20/2021 19:26	1/20/2021 19:27	0:00:41	51.78	30.20	491.09	51.77	34.13	491.39	-143.65	0.35
1611	1/20/2021 19:29	1/20/2021 19:30	0:00:50	50.62	47.63	492.14	49.82	52.22	492.29	-143.17	0.83
1612	1/20/2021 19:30	1/20/2021 19:31	0:00:11	48.82	56.63	492.38	48.60	57.49	492.39	-143.43	0.57
1613	1/20/2021 20:03	1/20/2021 20:04	0:01:09	-38.38	150.96	496.49	-41.02	155.31	497.02	-142.93	1.07
1614	1/20/2021 20:05	1/20/2021 20:05	0:00:00	-42.09	157.29	497.21	-42.09	157.29	497.21	-143.96	0.04
1615	1/20/2021 20:06	1/20/2021 20:07	0:00:40	-44.11	161.45	497.56	-45.36	164.40	497.74	-142.74	1.26
1616	1/20/2021 20:09	1/20/2021 20:09	0:00:20	-48.54	174.03	498.04	-48.98	175.75	498.05	-143.28	0.72
1617	1/20/2021 20:13	1/20/2021 20:13	0:00:00	-51.79	-159.74	497.11	-51.79	-159.74	497.11	-143.96	0.04
1618	1/20/2021 20:32	1/20/2021 20:32	0:00:11	-15.38	-87.30	478.88	-14.88	-86.92	478.74	-143.78	0.22
1619	1/20/2021 20:35	1/20/2021 20:36	0:00:20	-3.92	-78.87	476.59	-2.91	-78.16	476.48	-143.35	0.65
1620	1/20/2021 20:37	1/20/2021 20:37	0:00:19	0.11	-76.03	476.22	1.11	-75.32	476.17	-142.45	1.55

Table 9 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)
1621	1/20/2021 20:39	1/20/2021 20:39	0:00:00	7.15	-71.05	476.13	7.15	-71.05	476.13	-143.87	0.13
1622	1/20/2021 20:43	1/20/2021 20:43	0:00:00	19.97	-61.19	477.72	19.97	-61.19	477.72	-143.99	0.01
1623	1/20/2021 20:46	1/20/2021 20:46	0:00:00	28.42	-53.37	479.92	28.42	-53.37	479.92	-144.00	0.00
1624	1/20/2021 22:06	1/20/2021 22:06	0:00:09	-14.95	-110.91	478.96	-14.46	-110.52	478.82	-143.89	0.11
1625	1/20/2021 22:13	1/20/2021 22:13	0:00:00	7.57	-94.67	476.27	7.57	-94.67	476.27	-143.86	0.14
1626	1/20/2021 22:18	1/20/2021 22:18	0:00:00	20.38	-84.77	477.89	20.38	-84.77	477.89	-143.98	0.02
1627	1/20/2021 22:25	1/20/2021 22:26	0:01:40	38.56	-64.64	483.55	42.27	-58.25	485.13	-143.38	0.62
1628	1/20/2021 23:12	1/20/2021 23:13	0:01:11	-39.05	104.14	496.68	-41.64	108.58	497.21	-142.93	1.07
1629	1/20/2021 23:15	1/20/2021 23:15	0:00:31	-44.66	114.85	497.75	-45.58	117.09	497.89	-142.67	1.33
1630	1/20/2021 23:17	1/20/2021 23:18	0:00:30	-48.70	126.79	498.22	-49.33	129.40	498.24	-142.73	1.27
1631	1/20/2021 23:22	1/20/2021 23:22	0:00:00	-51.79	153.12	497.31	-51.79	153.12	497.31	-143.86	0.14
1632	1/20/2021 23:44	1/20/2021 23:45	0:00:20	-3.06	-126.12	476.77	-2.05	-125.41	476.66	-143.41	0.59
1633	1/20/2021 23:45	1/20/2021 23:46	0:00:10	0.97	-123.28	476.42	1.47	-122.93	476.40	-143.13	0.87
1634	1/20/2021 23:48	1/20/2021 23:48	0:00:10	7.50	-118.65	476.36	8.00	-118.29	476.38	-143.90	0.10
1635	1/20/2021 23:52	1/20/2021 23:52	0:00:00	20.31	-108.76	477.93	20.31	-108.76	477.93	-143.97	0.03
1636	1/21/2021 0:31	1/21/2021 0:33	0:01:19	2.75	42.15	489.34	-1.26	44.97	489.59	-143.06	0.94
1637	1/21/2021 0:46	1/21/2021 0:47	0:01:10	-39.00	80.13	496.60	-41.59	84.57	497.13	-142.93	1.07
1638	1/21/2021 0:49	1/21/2021 0:50	0:00:41	-44.62	90.83	497.68	-45.83	93.82	497.86	-142.92	1.08
1639	1/21/2021 0:51	1/21/2021 0:52	0:00:30	-48.67	102.75	498.15	-49.31	105.36	498.17	-142.90	1.10
1640	1/21/2021 0:56	1/21/2021 0:56	0:00:00	-51.78	130.04	497.19	-51.78	130.04	497.19	-143.88	0.12
1641	1/21/2021 0:57	1/21/2021 0:57	0:00:00	-51.68	132.98	496.94	-51.68	132.98	496.94	-143.96	0.04
1642	1/21/2021 1:18	1/21/2021 1:19	0:00:21	-2.62	-149.73	476.72	-1.62	-149.03	476.62	-143.42	0.58
1643	1/21/2021 1:20	1/21/2021 1:20	0:00:20	0.90	-147.26	476.43	1.91	-146.55	476.38	-143.21	0.79
1644	1/21/2021 1:22	1/21/2021 1:22	0:00:11	7.93	-142.26	476.38	8.43	-141.90	476.40	-143.75	0.25
1645	1/21/2021 1:26	1/21/2021 1:26	0:00:00	20.73	-132.33	478.01	20.73	-132.33	478.01	-143.89	0.11
1646	1/21/2021 1:29	1/21/2021 1:29	0:00:00	29.13	-124.41	480.20	29.13	-124.41	480.20	-143.97	0.03
1647	1/21/2021 2:06	1/21/2021 2:07	0:01:11	2.31	18.53	489.33	-1.20	21.00	489.56	-143.13	0.87
1648	1/21/2021 2:53	1/21/2021 2:53	0:00:20	-2.19	-173.35	476.64	-1.18	-172.64	476.54	-143.35	0.65
1649	1/21/2021 2:54	1/21/2021 2:54	0:00:30	0.33	-171.58	476.43	1.84	-170.52	476.34	-143.42	0.58
1650	1/21/2021 2:56	1/21/2021 2:57	0:00:10	8.37	-165.87	476.36	8.87	-165.51	476.38	-143.73	0.27
1651	1/21/2021 3:00	1/21/2021 3:01	0:00:11	20.66	-156.31	477.96	21.14	-155.90	478.06	-143.89	0.11
1652	1/21/2021 3:04	1/21/2021 3:04	0:00:00	29.52	-147.92	480.27	29.52	-147.92	480.27	-144.00	0.00
1653	1/21/2021 3:08	1/21/2021 3:09	0:01:40	39.18	-135.46	483.74	42.82	-128.95	485.29	-143.27	0.73
1654	1/21/2021 4:27	1/21/2021 4:27	0:00:20	-1.75	163.03	476.53	-0.74	163.74	476.44	-143.28	0.72
1655	1/21/2021 4:28	1/21/2021 4:29	0:00:31	0.77	164.80	476.33	2.28	165.87	476.26	-143.69	0.31
1656	1/21/2021 4:31	1/21/2021 4:31	0:00:09	8.80	170.52	476.32	9.30	170.89	476.35	-143.86	0.14
1657	1/21/2021 4:35	1/21/2021 4:35	0:00:10	21.08	-179.88	478.00	21.56	-179.46	478.11	-143.93	0.07
1658	1/21/2021 4:42	1/21/2021 4:44	0:01:41	39.51	-158.84	483.86	43.12	-152.27	485.42	-143.39	0.61
1659	1/21/2021 4:48	1/21/2021 4:49	0:00:30	50.13	-130.44	489.14	50.60	-127.67	489.48	-143.11	0.89
1660	1/21/2021 5:14	1/21/2021 5:15	0:01:20	1.95	-29.06	489.51	-2.07	-26.24	489.80	-143.23	0.77
1661	1/21/2021 5:29	1/21/2021 5:30	0:01:11	-39.61	9.34	496.84	-42.16	13.86	497.35	-142.94	1.06
1662	1/21/2021 5:32	1/21/2021 5:32	0:00:11	-45.11	20.23	497.85	-45.42	20.98	497.90	-143.67	0.33
1663	1/21/2021 6:02	1/21/2021 6:02	0:00:39	-1.32	139.41	476.40	0.70	140.83	476.25	-143.24	0.76
1664	1/21/2021 6:03	1/21/2021 6:03	0:00:00	2.21	141.89	476.17	2.21	141.89	476.17	-143.72	0.28
1665	1/21/2021 6:05	1/21/2021 6:05	0:00:19	8.73	146.55	476.21	9.73	147.28	476.27	-143.91	0.09
1666	1/21/2021 6:09	1/21/2021 6:09	0:00:00	21.49	156.56	477.97	21.49	156.56	477.97	-143.90	0.10
1667	1/21/2021 6:12	1/21/2021 6:12	0:00:00	29.85	164.59	480.22	29.85	164.59	480.22	-143.97	0.03
1668	1/21/2021 6:16	1/21/2021 6:18	0:01:40	39.46	177.15	483.72	43.07	-176.28	485.28	-143.28	0.72
1669	1/21/2021 6:48	1/21/2021 6:50	0:01:21	1.51	-52.68	489.61	-2.50	-49.86	489.92	-143.30	0.70
1670	1/21/2021 7:03	1/21/2021 7:04	0:01:10	-39.93	-14.05	497.07	-42.46	-9.48	497.56	-142.94	1.06
1671	1/21/2021 7:06	1/21/2021 7:07	0:00:30	-45.38	-3.05	498.05	-46.25	-0.75	498.17	-142.64	1.36
1672	1/21/2021 7:08	1/21/2021 7:09	0:00:41	-48.99	8.31	498.40	-49.78	11.85	498.40	-142.78	1.22
1673	1/21/2021 7:36	1/21/2021 7:37	0:01:20	-1.39	115.44	476.31	2.64	118.27	476.05	-143.28	0.72
1674	1/21/2021 7:39	1/21/2021 7:40	0:00:20	9.16	122.94	476.11	10.16	123.67	476.17	-143.91	0.09
1675	1/21/2021 7:43	1/21/2021 7:44	0:00:10	21.43	132.57	477.79	21.90	132.99	477.90	-143.91	0.09
1676	1/21/2021 7:50	1/21/2021 7:50	0:00:00	39.79	153.76	483.64	39.79	153.76	483.64	-143.56	0.44
1677	1/21/2021 8:03	1/21/2021 8:03	0:00:20	50.18	-141.08	491.72	49.83	-139.26	491.78	-143.21	0.79
1678	1/21/2021 8:29	1/21/2021 8:29	0:00:00	-15.84	-63.98	491.84	-15.84	-63.98	491.84	-143.94	0.06
1679	1/21/2021 8:37	1/21/2021 8:39	0:01:11	-39.88	-38.05	497.09	-42.41	-33.50	497.59	-142.95	1.05
1680	1/21/2021 8:40	1/21/2021 8:41	0:00:20	-45.64	-26.31	498.13	-46.22	-24.77	498.20	-142.81	1.19

Table 9 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)
1681	1/21/2021 9:10	1/21/2021 9:11	0:00:39	-0.95	91.82	476.24	1.07	93.24	476.09	-143.32	0.68
1682	1/21/2021 9:11	1/21/2021 9:11	0:00:00	2.58	94.30	476.01	2.58	94.30	476.01	-143.79	0.21
1683	1/21/2021 9:14	1/21/2021 9:14	0:00:00	10.10	99.70	476.13	10.10	99.70	476.13	-143.79	0.21
1684	1/21/2021 9:18	1/21/2021 9:18	0:00:00	21.84	109.01	477.87	21.84	109.01	477.87	-143.95	0.05
1685	1/21/2021 9:37	1/21/2021 9:38	0:00:20	50.03	-164.21	491.82	49.67	-162.41	491.88	-143.39	0.61
1686	1/21/2021 9:57	1/21/2021 9:59	0:01:20	0.64	-99.91	489.79	-3.37	-97.09	490.13	-143.23	0.77
1687	1/21/2021 10:03	1/21/2021 10:03	0:00:00	-16.26	-87.57	492.03	-16.26	-87.57	492.03	-143.92	0.08
1688	1/21/2021 11:00	1/21/2021 11:00	0:00:40	42.24	110.29	484.72	43.61	113.06	485.34	-143.19	0.81
1689	1/21/2021 11:05	1/21/2021 11:06	0:00:50	50.21	134.29	488.94	50.92	138.96	489.51	-142.94	1.06
1690	1/21/2021 11:11	1/21/2021 11:12	0:00:19	50.05	171.74	491.85	49.70	173.54	491.91	-143.48	0.52
1691	1/21/2021 11:31	1/21/2021 11:33	0:01:20	0.21	-123.54	489.87	-3.80	-120.71	490.22	-143.21	0.79
1692	1/21/2021 11:46	1/21/2021 11:47	0:01:11	-40.15	-85.45	497.26	-42.66	-80.85	497.74	-142.95	1.05
1693	1/21/2021 12:16	1/21/2021 12:16	0:00:00	-9.62	37.79	477.47	-9.62	37.79	477.47	-143.63	0.37
1694	1/21/2021 12:19	1/21/2021 12:19	0:00:30	-0.08	44.58	476.09	1.43	45.65	476.00	-143.43	0.57
1695	1/21/2021 12:20	1/21/2021 12:20	0:00:00	3.44	47.07	475.91	3.44	47.07	475.91	-143.88	0.12
1696	1/21/2021 12:33	1/21/2021 12:35	0:01:40	40.39	83.00	483.87	43.89	89.75	485.43	-143.36	0.64
1697	1/21/2021 12:39	1/21/2021 12:40	0:00:41	50.35	111.16	489.02	50.91	114.90	489.47	-143.15	0.85
1698	1/21/2021 13:06	1/21/2021 13:07	0:01:20	0.28	-147.51	489.90	-3.73	-144.69	490.25	-143.21	0.79
1699	1/21/2021 13:20	1/21/2021 13:21	0:00:31	-40.47	-108.83	497.31	-41.56	-106.89	497.52	-142.96	1.04
1700	1/21/2021 13:50	1/21/2021 13:50	0:00:11	-9.68	13.81	477.43	-9.19	14.18	477.33	-143.84	0.16
1701	1/21/2021 13:53	1/21/2021 13:53	0:00:20	0.36	20.97	476.01	1.36	21.67	475.95	-143.35	0.65
1702	1/21/2021 13:54	1/21/2021 13:54	0:00:00	3.38	23.09	475.87	3.38	23.09	475.87	-143.94	0.06
1703	1/21/2021 13:57	1/21/2021 13:57	0:00:10	10.89	28.50	476.07	11.39	28.87	476.12	-143.67	0.33
1704	1/21/2021 13:58	1/21/2021 13:58	0:00:00	16.81	33.04	476.79	16.81	33.04	476.79	-143.67	0.33
1705	1/21/2021 14:00	1/21/2021 14:01	0:00:10	22.60	37.90	477.94	23.07	38.33	478.05	-143.98	0.02
1706	1/21/2021 14:40	1/21/2021 14:41	0:01:20	-0.16	-171.13	489.95	-4.17	-168.30	490.32	-143.17	0.83
1707	1/21/2021 14:46	1/21/2021 14:46	0:00:00	-17.04	-158.74	492.26	-17.04	-158.74	492.26	-143.90	0.10
1708	1/21/2021 14:55	1/21/2021 14:56	0:01:00	-40.79	-132.20	497.41	-42.91	-128.21	497.80	-142.96	1.04
1709	1/21/2021 14:57	1/21/2021 14:58	0:00:40	-45.77	-121.67	498.24	-46.90	-118.55	498.37	-142.76	1.24
1710	1/21/2021 15:07	1/21/2021 15:07	0:00:00	-49.55	-65.60	495.01	-49.55	-65.60	495.01	-143.79	0.21
1711	1/21/2021 16:14	1/21/2021 16:16	0:01:20	-0.59	165.25	489.95	-4.60	168.08	490.33	-143.09	0.91
1712	1/21/2021 16:20	1/21/2021 16:20	0:00:00	-17.46	177.68	492.30	-17.46	177.68	492.30	-143.91	0.09
1713	1/21/2021 16:29	1/21/2021 16:30	0:01:10	-40.75	-156.21	497.35	-43.21	-151.53	497.80	-142.96	1.04
1714	1/21/2021 16:31	1/21/2021 16:32	0:00:41	-45.73	-145.69	498.18	-46.86	-142.57	498.31	-142.77	1.23
1715	1/21/2021 16:34	1/21/2021 16:35	0:00:39	-49.63	-132.43	498.44	-50.32	-128.80	498.39	-142.92	1.08
1716	1/21/2021 17:01	1/21/2021 17:01	0:00:00	-0.78	-27.68	476.02	-0.78	-27.68	476.02	-143.88	0.12
1717	1/21/2021 17:02	1/21/2021 17:02	0:00:20	1.23	-26.27	475.88	2.24	-25.56	475.83	-143.40	0.60
1718	1/21/2021 17:03	1/21/2021 17:03	0:00:00	4.25	-24.14	475.77	4.25	-24.14	475.77	-143.79	0.21
1719	1/21/2021 17:03	1/21/2021 17:03	0:00:00	5.76	-23.07	475.77	5.76	-23.07	475.77	-143.47	0.53
1720	1/21/2021 17:05	1/21/2021 17:05	0:00:00	11.75	-18.70	476.07	11.75	-18.70	476.07	-143.39	0.61
1721	1/21/2021 17:07	1/21/2021 17:07	0:00:11	17.17	-14.52	476.77	17.66	-14.12	476.86	-143.41	0.59
1722	1/21/2021 17:09	1/21/2021 17:09	0:00:00	23.42	-9.21	478.06	23.42	-9.21	478.06	-143.92	0.08
1723	1/21/2021 17:16	1/21/2021 17:17	0:01:00	40.98	12.25	484.03	43.10	16.29	484.97	-143.34	0.66
1724	1/21/2021 17:49	1/21/2021 17:50	0:01:20	-1.03	141.64	490.01	-5.04	144.47	490.41	-143.02	0.98
1725	1/21/2021 18:03	1/21/2021 18:04	0:01:00	-41.06	-179.57	497.41	-43.16	-175.54	497.79	-142.97	1.03
1726	1/21/2021 18:05	1/21/2021 18:06	0:00:11	-45.69	-169.71	498.17	-45.99	-168.95	498.21	-143.96	0.04
1727	1/21/2021 18:35	1/21/2021 18:35	0:00:10	-0.85	-51.65	475.99	-0.34	-51.30	475.94	-143.94	0.06
1728	1/21/2021 18:36	1/21/2021 18:36	0:00:20	1.67	-49.88	475.81	2.68	-49.17	475.77	-143.60	0.40
1729	1/21/2021 18:37	1/21/2021 18:37	0:00:00	4.69	-47.75	475.73	4.69	-47.75	475.73	-143.93	0.07
1730	1/21/2021 18:38	1/21/2021 18:38	0:00:00	6.20	-46.68	475.73	6.20	-46.68	475.73	-143.62	0.38
1731	1/21/2021 18:39	1/21/2021 18:39	0:00:00	12.19	-42.30	476.08	12.19	-42.30	476.08	-143.42	0.58
1732	1/21/2021 18:41	1/21/2021 18:42	0:00:21	17.11	-38.49	476.73	18.09	-37.70	476.90	-143.08	0.92
1733	1/21/2021 18:43	1/21/2021 18:44	0:00:11	23.36	-33.19	478.02	23.84	-32.76	478.14	-143.97	0.03
1734	1/21/2021 18:50	1/21/2021 18:52	0:01:40	40.94	-11.75	484.02	44.37	-4.88	485.58	-143.27	0.73
1735	1/21/2021 18:56	1/21/2021 18:57	0:00:39	50.57	16.84	489.13	51.08	20.61	489.58	-143.35	0.65
1736	1/21/2021 19:23	1/21/2021 19:24	0:01:20	-1.47	118.02	490.08	-5.48	120.85	490.49	-143.19	0.81
1737	1/21/2021 19:29	1/21/2021 19:29	0:00:00	-17.82	130.12	492.41	-17.82	130.12	492.41	-143.94	0.06
1738	1/21/2021 20:09	1/21/2021 20:09	0:00:00	-0.41	-75.27	476.02	-0.41	-75.27	476.02	-143.84	0.16
1739	1/21/2021 20:10	1/21/2021 20:11	0:00:11	2.11	-73.50	475.86	2.61	-73.15	475.84	-143.76	0.24
1740	1/21/2021 20:12	1/21/2021 20:12	0:00:11	6.13	-70.65	475.80	6.63	-70.29	475.81	-143.82	0.18

Table 9 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)
1741	1/21/2021 20:14	1/21/2021 20:14	0:00:10	12.12	-66.28	476.13	12.62	-65.90	476.18	-143.66	0.34
1742	1/21/2021 20:15	1/21/2021 20:15	0:00:00	14.60	-64.39	476.42	14.60	-64.39	476.42	-143.97	0.03
1743	1/21/2021 20:15	1/21/2021 20:16	0:00:11	17.54	-62.07	476.86	18.02	-61.68	476.95	-142.62	1.38
1744	1/21/2021 20:18	1/21/2021 20:18	0:00:00	23.78	-56.74	478.18	23.78	-56.74	478.18	-143.94	0.06
1745	1/21/2021 20:25	1/21/2021 20:26	0:01:40	41.25	-35.11	484.21	44.64	-28.16	485.77	-143.15	0.85
1746	1/21/2021 20:30	1/21/2021 20:31	0:00:41	50.55	-7.21	489.16	51.07	-3.44	489.60	-143.34	0.66
1747	1/21/2021 20:57	1/21/2021 20:59	0:01:10	-1.91	94.40	490.07	-5.41	96.88	490.43	-143.22	0.78
1748	1/21/2021 21:03	1/21/2021 21:03	0:00:00	-18.24	106.54	492.48	-18.24	106.54	492.48	-143.80	0.20
1749	1/21/2021 21:44	1/21/2021 21:44	0:00:10	-0.48	-99.25	476.17	0.03	-98.89	476.13	-143.86	0.14
1750	1/21/2021 22:49	1/21/2021 22:49	0:00:39	-46.44	120.53	498.42	-47.51	123.73	498.54	-142.61	1.39
1751	1/21/2021 22:51	1/21/2021 22:52	0:00:39	-49.90	133.20	498.63	-50.55	136.86	498.57	-142.87	1.13
1752	1/21/2021 22:53	1/21/2021 22:53	0:00:00	-51.58	146.40	498.21	-51.58	146.40	498.21	-143.62	0.38
1753	1/21/2021 23:18	1/21/2021 23:18	0:00:30	-0.04	-122.87	476.25	1.47	-121.81	476.14	-143.89	0.11
1754	1/21/2021 23:19	1/21/2021 23:19	0:00:00	2.98	-120.74	476.07	2.98	-120.74	476.07	-143.89	0.11
1755	1/21/2021 23:20	1/21/2021 23:20	0:00:00	5.49	-118.96	476.02	5.49	-118.96	476.02	-143.94	0.06
1756	1/21/2021 23:20	1/21/2021 23:20	0:00:00	7.00	-117.89	476.04	7.00	-117.89	476.04	-143.62	0.38
1757	1/21/2021 23:22	1/21/2021 23:22	0:00:00	12.98	-113.49	476.41	12.98	-113.49	476.41	-143.37	0.63
1758	1/21/2021 23:24	1/21/2021 23:24	0:00:20	17.89	-109.64	477.08	18.86	-108.85	477.24	-142.98	1.02
1759	1/22/2021 0:06	1/22/2021 0:07	0:01:10	-2.78	47.16	489.88	-6.28	49.65	490.28	-143.27	0.73
1760	1/22/2021 0:20	1/22/2021 0:21	0:01:09	-41.60	85.70	497.54	-43.98	90.51	497.98	-142.98	1.02
1761	1/22/2021 0:22	1/22/2021 0:23	0:00:50	-46.12	95.72	498.31	-47.48	99.70	498.47	-142.44	1.56
1762	1/22/2021 0:25	1/22/2021 0:26	0:00:39	-50.05	110.06	498.56	-50.67	113.75	498.49	-142.74	1.26
1763	1/22/2021 0:27	1/22/2021 0:27	0:00:00	-51.26	118.48	498.34	-51.26	118.48	498.34	-143.94	0.06
1764	1/22/2021 0:28	1/22/2021 0:28	0:00:00	-51.63	123.32	498.10	-51.63	123.32	498.10	-143.89	0.11
1765	1/22/2021 0:52	1/22/2021 0:52	0:00:10	-0.11	-146.84	476.26	0.40	-146.49	476.23	-143.98	0.02
1766	1/22/2021 0:53	1/22/2021 0:53	0:00:00	1.91	-145.42	476.13	1.91	-145.42	476.13	-143.94	0.06
1767	1/22/2021 0:53	1/22/2021 0:53	0:00:00	3.42	-144.36	476.07	3.42	-144.36	476.07	-144.00	0.00
1768	1/22/2021 0:54	1/22/2021 0:55	0:00:30	5.93	-142.58	476.03	7.43	-141.50	476.06	-143.65	0.35
1769	1/22/2021 0:56	1/22/2021 0:57	0:00:11	12.91	-137.46	476.41	13.41	-137.08	476.46	-143.39	0.61
1770	1/22/2021 0:58	1/22/2021 0:59	0:00:10	18.31	-133.22	477.15	18.80	-132.83	477.24	-142.95	1.05
1771	1/22/2021 1:01	1/22/2021 1:01	0:00:00	24.52	-127.83	478.47	24.52	-127.83	478.47	-143.92	0.08
1772	1/22/2021 1:41	1/22/2021 1:41	0:00:59	-3.71	23.90	489.94	-6.72	26.03	490.30	-143.35	0.65
1773	1/22/2021 1:46	1/22/2021 1:46	0:00:00	-19.02	35.40	492.40	-19.02	35.40	492.40	-143.92	0.08
1774	1/22/2021 2:28	1/22/2021 2:28	0:00:00	4.36	-167.62	476.01	4.36	-167.62	476.01	-143.90	0.10
1775	1/22/2021 2:29	1/22/2021 2:29	0:00:09	7.37	-165.47	476.02	7.87	-165.11	476.03	-143.74	0.26
1776	1/22/2021 2:31	1/22/2021 2:31	0:00:11	13.35	-161.06	476.42	13.84	-160.68	476.47	-143.62	0.38
1777	1/22/2021 2:33	1/22/2021 2:33	0:00:09	18.74	-156.80	477.19	19.22	-156.40	477.28	-143.16	0.84
1778	1/22/2021 2:35	1/22/2021 2:35	0:00:00	24.93	-151.37	478.53	24.93	-151.37	478.53	-143.86	0.14
1779	1/22/2021 2:42	1/22/2021 2:43	0:01:40	41.78	-129.85	484.32	45.10	-122.78	485.83	-143.10	0.90
1780	1/22/2021 2:44	1/22/2021 2:44	0:00:00	46.84	-118.14	486.69	46.84	-118.14	486.69	-143.83	0.17
1781	1/22/2021 4:02	1/22/2021 4:02	0:00:11	4.30	168.42	475.95	4.80	168.77	475.94	-143.77	0.23
1782	1/22/2021 4:03	1/22/2021 4:03	0:00:19	7.31	170.57	475.96	8.31	171.29	475.99	-143.62	0.38
1783	1/22/2021 4:05	1/22/2021 4:05	0:00:20	12.79	174.60	476.30	13.78	175.35	476.41	-143.42	0.58
1784	1/22/2021 4:07	1/22/2021 4:07	0:00:19	18.68	179.23	477.13	19.64	-179.97	477.31	-143.12	0.88
1785	1/22/2021 4:09	1/22/2021 4:09	0:00:09	24.88	-175.35	478.48	25.34	-174.91	478.60	-143.89	0.11
1786	1/22/2021 4:16	1/22/2021 4:18	0:01:40	42.09	-153.18	484.45	45.37	-146.04	485.96	-143.02	0.98
1787	1/22/2021 4:18	1/22/2021 4:18	0:00:09	46.81	-142.16	486.68	47.08	-141.36	486.82	-143.79	0.21
1788	1/22/2021 4:21	1/22/2021 4:21	0:00:00	50.74	-125.58	489.09	50.74	-125.58	489.09	-143.74	0.26
1789	1/22/2021 4:49	1/22/2021 4:50	0:00:50	-4.59	-23.33	490.20	-7.09	-21.55	490.51	-143.33	0.67
1790	1/22/2021 5:36	1/22/2021 5:37	0:00:11	4.73	144.80	475.84	5.24	145.16	475.84	-143.69	0.31
1791	1/22/2021 5:37	1/22/2021 5:37	0:00:09	7.74	146.96	475.87	8.24	147.32	475.89	-143.60	0.40
1792	1/22/2021 5:39	1/22/2021 5:40	0:00:30	12.73	150.63	476.19	14.21	151.76	476.35	-143.31	0.69
1793	1/22/2021 5:41	1/22/2021 5:41	0:00:09	19.10	155.65	477.09	19.58	156.05	477.18	-143.20	0.80
1794	1/22/2021 5:43	1/22/2021 5:43	0:00:00	25.28	161.11	478.46	25.28	161.11	478.46	-143.88	0.12
1795	1/22/2021 5:50	1/22/2021 5:52	0:01:50	42.04	-177.19	484.31	45.63	-169.30	485.98	-143.10	0.90
1796	1/22/2021 6:24	1/22/2021 6:24	0:00:50	-5.03	-46.94	490.35	-7.53	-45.16	490.67	-143.31	0.69
1797	1/22/2021 6:28	1/22/2021 6:28	0:00:00	-19.80	-35.72	492.86	-19.80	-35.72	492.86	-144.00	0.00
1798	1/22/2021 6:37	1/22/2021 6:38	0:01:00	-42.47	-8.33	497.97	-44.46	-4.11	498.32	-142.99	1.01
1799	1/22/2021 6:39	1/22/2021 6:41	0:01:01	-46.54	1.19	498.61	-48.10	6.06	498.76	-142.47	1.53
1800	1/22/2021 6:42	1/22/2021 6:42	0:00:09	-50.30	15.72	498.76	-50.45	16.65	498.75	-142.81	1.19

Table 9 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)
1801	1/22/2021 7:10	1/22/2021 7:11	0:00:20	4.67	120.83	475.73	5.67	121.55	475.72	-143.66	0.34
1802	1/22/2021 7:12	1/22/2021 7:12	0:00:19	7.68	122.98	475.74	8.68	123.71	475.78	-143.51	0.49
1803	1/22/2021 7:13	1/22/2021 7:14	0:00:29	13.16	127.03	476.09	14.64	128.16	476.26	-143.54	0.46
1804	1/22/2021 7:15	1/22/2021 7:16	0:00:10	19.52	132.08	477.01	20.00	132.48	477.10	-143.12	0.88
1805	1/22/2021 7:18	1/22/2021 7:18	0:00:09	25.22	137.13	478.27	25.69	137.57	478.39	-143.80	0.20
1806	1/22/2021 7:24	1/22/2021 7:24	0:00:00	42.35	159.47	484.23	42.35	159.47	484.23	-143.46	0.54
1807	1/22/2021 7:36	1/22/2021 7:37	0:00:20	49.25	-135.42	491.42	48.83	-133.68	491.46	-142.45	1.55
1808	1/22/2021 7:58	1/22/2021 7:58	0:00:39	-5.47	-70.55	490.43	-7.47	-69.12	490.70	-143.45	0.55
1809	1/22/2021 8:03	1/22/2021 8:03	0:00:00	-20.22	-59.29	492.99	-20.22	-59.29	492.99	-143.98	0.02
1810	1/22/2021 8:12	1/22/2021 8:12	0:00:59	-42.43	-32.34	498.00	-44.42	-28.13	498.35	-143.04	0.96
1811	1/22/2021 8:13	1/22/2021 8:13	0:00:00	-45.35	-25.91	498.49	-45.35	-25.91	498.49	-143.91	0.09
1812	1/22/2021 8:14	1/22/2021 8:15	0:01:00	-46.51	-22.83	498.65	-48.07	-17.97	498.80	-142.76	1.24
1813	1/22/2021 8:17	1/22/2021 8:17	0:00:00	-50.28	-8.31	498.80	-50.28	-8.31	498.80	-143.97	0.03
1814	1/22/2021 8:45	1/22/2021 8:45	0:00:20	5.11	97.22	475.69	6.11	97.94	475.69	-143.57	0.43
1815	1/22/2021 8:46	1/22/2021 8:46	0:00:09	8.12	99.38	475.72	8.62	99.74	475.74	-143.59	0.41
1816	1/22/2021 8:48	1/22/2021 8:48	0:00:30	13.59	103.43	476.11	15.07	104.57	476.29	-143.48	0.52
1817	1/22/2021 8:50	1/22/2021 8:50	0:00:09	19.46	108.10	476.98	19.94	108.51	477.07	-143.19	0.81
1818	1/22/2021 8:52	1/22/2021 8:52	0:00:09	25.63	113.59	478.37	26.10	114.04	478.49	-143.84	0.16
1819	1/22/2021 9:08	1/22/2021 9:08	0:00:00	51.50	-174.36	490.84	51.50	-174.36	490.84	-143.95	0.05
1820	1/22/2021 9:11	1/22/2021 9:11	0:00:20	49.27	-159.46	491.48	48.85	-157.71	491.53	-142.49	1.51
1821	1/22/2021 9:32	1/22/2021 9:33	0:00:39	-5.90	-94.17	490.58	-7.90	-92.74	490.86	-143.56	0.44
1822	1/22/2021 10:38	1/22/2021 10:40	0:01:01	50.93	140.13	489.00	51.51	145.90	489.62	-143.40	0.60
1823	1/22/2021 10:42	1/22/2021 10:42	0:00:00	51.43	162.55	490.92	51.43	162.55	490.92	-143.88	0.12
1824	1/22/2021 10:45	1/22/2021 10:45	0:00:19	49.09	177.38	491.55	48.66	179.11	491.59	-142.35	1.65
1825	1/22/2021 11:06	1/22/2021 11:07	0:00:11	-6.34	-117.78	490.68	-6.84	-117.43	490.75	-143.45	0.55
1826	1/22/2021 11:20	1/22/2021 11:21	0:01:29	-42.68	-79.69	498.15	-45.57	-73.20	498.62	-143.07	0.93
1827	1/22/2021 11:22	1/22/2021 11:22	0:00:00	-46.71	-70.10	498.76	-46.71	-70.10	498.76	-143.85	0.15
1828	1/22/2021 11:53	1/22/2021 11:54	0:00:20	5.48	49.63	475.62	6.48	50.35	475.62	-143.52	0.48
1829	1/22/2021 12:07	1/22/2021 12:09	0:01:40	42.56	88.12	484.31	45.77	95.37	485.83	-143.14	0.86
1830	1/22/2021 12:10	1/22/2021 12:10	0:00:19	47.17	99.31	486.56	47.69	100.95	486.84	-143.32	0.68
1831	1/22/2021 12:13	1/22/2021 12:14	0:01:00	50.91	116.08	488.97	51.50	121.85	489.59	-143.24	0.76
1832	1/22/2021 12:16	1/22/2021 12:16	0:00:00	51.44	138.50	490.92	51.44	138.50	490.92	-143.69	0.31
1833	1/22/2021 12:41	1/22/2021 12:41	0:00:00	-6.77	-141.40	490.77	-6.77	-141.40	490.77	-143.58	0.42
1834	1/22/2021 12:46	1/22/2021 12:46	0:00:00	-20.99	-130.41	493.30	-20.99	-130.41	493.30	-143.98	0.02
1835	1/22/2021 13:28	1/22/2021 13:28	0:00:09	5.92	26.02	475.57	6.42	26.38	475.57	-143.67	0.33
1836	1/22/2021 13:29	1/22/2021 13:29	0:00:10	8.92	28.19	475.64	9.42	28.55	475.66	-143.89	0.11
1837	1/22/2021 13:30	1/22/2021 13:31	0:00:31	14.38	32.27	476.09	15.86	33.42	476.28	-143.60	0.40
1838	1/22/2021 13:32	1/22/2021 13:33	0:00:10	20.23	36.98	477.02	20.72	37.39	477.12	-143.54	0.46
1839	1/22/2021 13:35	1/22/2021 13:35	0:00:11	26.38	42.54	478.47	26.84	42.99	478.60	-143.81	0.19
1840	1/22/2021 13:41	1/22/2021 13:43	0:01:50	42.52	64.11	484.27	46.03	72.12	485.94	-143.03	0.97
1841	1/22/2021 13:44	1/22/2021 13:44	0:00:31	47.14	75.28	486.51	47.90	77.74	486.93	-142.97	1.03
1842	1/22/2021 14:15	1/22/2021 14:15	0:00:00	-7.21	-165.01	490.86	-7.21	-165.01	490.86	-143.81	0.19
1843	1/22/2021 14:29	1/22/2021 14:30	0:01:30	-42.94	-127.03	498.21	-45.79	-120.49	498.65	-143.10	0.90
1844	1/22/2021 14:31	1/22/2021 14:31	0:00:30	-46.91	-117.37	498.78	-47.69	-114.93	498.85	-143.74	0.26
1845	1/22/2021 16:03	1/22/2021 16:04	0:01:10	-42.90	-151.04	498.15	-45.16	-146.02	498.52	-143.12	0.88
1846	1/22/2021 16:04	1/22/2021 16:04	0:00:00	-46.04	-143.74	498.63	-46.04	-143.74	498.63	-143.74	0.26
1847	1/22/2021 16:05	1/22/2021 16:06	0:01:01	-47.15	-140.59	498.75	-48.61	-135.61	498.85	-143.02	0.98
1848	1/22/2021 16:08	1/22/2021 16:09	0:00:31	-50.77	-124.82	498.72	-51.13	-121.99	498.62	-143.27	0.73
1849	1/22/2021 16:09	1/22/2021 16:10	0:00:39	-51.56	-117.17	498.38	-51.75	-113.27	498.13	-143.01	0.99
1850	1/22/2021 16:36	1/22/2021 16:36	0:00:00	5.29	-22.27	475.50	5.29	-22.27	475.50	-143.92	0.08
1851	1/22/2021 16:39	1/22/2021 16:40	0:00:11	15.74	-14.53	476.19	16.23	-14.14	476.26	-143.57	0.43
1852	1/22/2021 16:41	1/22/2021 16:41	0:00:00	21.08	-10.15	477.12	21.08	-10.15	477.12	-143.86	0.14
1853	1/22/2021 16:43	1/22/2021 16:43	0:00:00	27.19	-4.51	478.62	27.19	-4.51	478.62	-143.76	0.24
1854	1/22/2021 17:37	1/22/2021 17:39	0:01:40	-42.85	-175.05	498.14	-46.01	-167.76	498.62	-143.12	0.88
1855	1/22/2021 17:39	1/22/2021 17:40	0:00:50	-47.12	-164.61	498.74	-48.36	-160.48	498.83	-143.16	0.84
1856	1/22/2021 18:10	1/22/2021 18:10	0:00:00	5.73	-45.88	475.45	5.73	-45.88	475.45	-143.81	0.19
1857	1/22/2021 18:14	1/22/2021 18:14	0:00:11	16.17	-38.11	476.22	16.66	-37.72	476.29	-143.60	0.40
1858	1/22/2021 18:17	1/22/2021 18:18	0:00:11	27.13	-28.49	478.58	27.59	-28.03	478.71	-143.77	0.23
1859	1/22/2021 18:24	1/22/2021 18:26	0:01:40	43.08	-6.54	484.46	46.21	0.84	485.98	-143.20	0.80
1860	1/22/2021 18:26	1/22/2021 18:27	0:00:30	47.31	4.02	486.56	48.06	6.50	486.98	-143.22	0.78

Table 9 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)
1861	1/22/2021 19:11	1/22/2021 19:11	0:00:00	-43.15	161.64	498.20	-43.15	161.64	498.20	-143.83	0.17
1862	1/22/2021 19:44	1/22/2021 19:44	0:00:09	5.67	-69.85	475.52	6.17	-69.49	475.52	-143.79	0.21
1863	1/22/2021 19:48	1/22/2021 19:48	0:00:11	16.11	-62.08	476.27	16.60	-61.70	476.34	-143.63	0.37
1864	1/22/2021 19:52	1/22/2021 19:52	0:00:10	27.54	-52.01	478.75	27.99	-51.55	478.88	-143.83	0.17
1865	1/22/2021 19:58	1/22/2021 20:00	0:01:50	43.04	-30.55	484.50	46.46	-22.40	486.16	-143.16	0.84
1866	1/22/2021 20:00	1/22/2021 20:01	0:00:41	47.27	-20.00	486.59	48.27	-16.68	487.14	-142.92	1.08
1867	1/22/2021 20:04	1/22/2021 20:04	0:00:00	51.19	-1.27	489.21	51.19	-1.27	489.21	-143.85	0.15
1868	1/22/2021 22:25	1/22/2021 22:26	0:00:31	-50.96	140.90	498.90	-51.28	143.76	498.79	-143.44	0.56
1869	1/22/2021 22:26	1/22/2021 22:27	0:00:49	-51.65	148.60	498.54	-51.79	153.50	498.21	-142.24	1.76
1870	1/22/2021 22:53	1/22/2021 22:53	0:00:11	6.54	-117.08	475.75	7.04	-116.72	475.75	-143.39	0.61
1871	1/22/2021 22:54	1/22/2021 22:54	0:00:00	10.54	-114.18	475.88	10.54	-114.18	475.88	-143.90	0.10
1872	1/22/2021 22:57	1/22/2021 22:57	0:00:00	16.96	-109.26	476.56	16.96	-109.26	476.56	-143.60	0.40
1873	1/22/2021 23:54	1/22/2021 23:56	0:01:40	-43.36	90.30	498.28	-46.44	97.71	498.77	-143.11	0.89
1874	1/22/2021 23:56	1/22/2021 23:57	0:01:11	-47.51	100.91	498.89	-49.13	106.83	498.99	-143.53	0.47
1875	1/22/2021 23:59	1/23/2021 0:00	0:00:41	-50.94	116.86	498.84	-51.36	120.67	498.70	-143.53	0.47
1876	1/23/2021 0:01	1/23/2021 0:01	0:00:39	-51.69	125.53	498.44	-51.79	129.45	498.17	-142.03	1.97
1877	1/23/2021 0:27	1/23/2021 0:27	0:00:00	6.98	-140.69	475.77	6.98	-140.69	475.77	-143.46	0.54
1878	1/23/2021 0:31	1/23/2021 0:31	0:00:11	16.90	-133.24	476.56	17.39	-132.85	476.63	-143.70	0.30
1879	1/23/2021 0:35	1/23/2021 0:35	0:00:09	28.27	-123.05	479.04	28.73	-122.58	479.17	-143.78	0.22
1880	1/23/2021 2:01	1/23/2021 2:02	0:00:11	6.92	-164.66	475.73	7.42	-164.30	475.74	-143.57	0.43
1881	1/23/2021 2:03	1/23/2021 2:03	0:00:00	10.92	-161.75	475.88	10.92	-161.75	475.88	-143.77	0.23
1882	1/23/2021 2:03	1/23/2021 2:03	0:00:00	12.90	-160.26	476.04	12.90	-160.26	476.04	-143.88	0.12
1883	1/23/2021 2:05	1/23/2021 2:05	0:00:09	17.33	-156.82	476.59	17.82	-156.42	476.66	-143.57	0.43
1884	1/23/2021 2:09	1/23/2021 2:09	0:00:10	28.67	-146.56	479.11	29.12	-146.08	479.24	-143.65	0.35
1885	1/23/2021 2:15	1/23/2021 2:17	0:01:20	43.54	-125.21	484.58	46.03	-119.28	485.76	-143.25	0.75
1886	1/23/2021 3:36	1/23/2021 3:36	0:00:10	7.36	171.74	475.68	7.86	172.10	475.69	-143.64	0.36
1887	1/23/2021 3:37	1/23/2021 3:37	0:00:00	11.36	174.65	475.86	11.36	174.65	475.86	-143.99	0.01
1888	1/23/2021 3:38	1/23/2021 3:38	0:00:00	13.34	176.15	476.03	13.34	176.15	476.03	-143.73	0.27
1889	1/23/2021 3:39	1/23/2021 3:39	0:00:00	17.76	179.61	476.61	17.76	179.61	476.61	-143.58	0.42
1890	1/23/2021 3:50	1/23/2021 3:51	0:01:40	43.83	-148.50	484.72	46.84	-140.93	486.18	-143.24	0.76
1891	1/23/2021 3:52	1/23/2021 3:53	0:00:50	47.63	-138.50	486.60	48.81	-134.28	487.26	-142.93	1.07
1892	1/23/2021 3:55	1/23/2021 3:56	0:00:11	51.41	-118.60	489.21	51.49	-117.63	489.31	-143.01	0.99
1893	1/23/2021 5:10	1/23/2021 5:10	0:00:09	7.80	148.13	475.59	8.30	148.49	475.61	-143.48	0.52
1894	1/23/2021 5:12	1/23/2021 5:12	0:00:10	13.28	152.18	475.92	13.78	152.55	475.97	-143.93	0.07
1895	1/23/2021 5:14	1/23/2021 5:14	0:00:09	17.70	155.64	476.49	18.19	156.03	476.57	-143.70	0.30
1896	1/23/2021 6:03	1/23/2021 6:03	0:00:00	-25.07	-29.92	494.33	-25.07	-29.92	494.33	-143.83	0.17
1897	1/23/2021 6:11	1/23/2021 6:13	0:01:40	-43.86	-4.33	498.62	-46.86	3.21	499.06	-143.14	0.86
1898	1/23/2021 6:13	1/23/2021 6:14	0:00:41	-47.89	6.46	499.16	-48.81	9.85	499.21	-143.69	0.31
1899	1/23/2021 6:45	1/23/2021 6:45	0:00:09	8.24	124.52	475.48	8.74	124.88	475.49	-143.38	0.62
1900	1/23/2021 6:46	1/23/2021 6:46	0:00:00	13.71	128.58	475.82	13.71	128.58	475.82	-143.98	0.02
1901	1/23/2021 6:48	1/23/2021 6:48	0:00:09	18.13	132.06	476.40	18.61	132.46	476.48	-143.46	0.54
1902	1/23/2021 6:52	1/23/2021 6:52	0:00:11	29.41	142.45	478.99	29.86	142.93	479.13	-143.59	0.41
1903	1/23/2021 6:58	1/23/2021 6:58	0:00:20	44.08	164.20	484.50	44.72	165.66	484.80	-143.36	0.64
1904	1/23/2021 7:10	1/23/2021 7:10	0:00:20	48.11	-129.87	491.09	47.61	-128.21	491.12	-143.54	0.46
1905	1/23/2021 8:19	1/23/2021 8:19	0:00:20	8.18	100.56	475.44	9.18	101.28	475.47	-143.45	0.55
1906	1/23/2021 8:22	1/23/2021 8:22	0:00:09	18.07	108.09	476.36	18.56	108.49	476.44	-143.59	0.41
1907	1/23/2021 8:26	1/23/2021 8:26	0:00:21	29.36	118.47	478.97	30.26	119.44	479.24	-143.64	0.36
1908	1/23/2021 8:45	1/23/2021 8:45	0:00:09	47.89	-153.06	491.15	47.64	-152.23	491.16	-143.43	0.57
1909	1/23/2021 9:19	1/23/2021 9:21	0:01:40	-44.11	-51.63	498.82	-47.06	-44.02	499.24	-143.12	0.88
1910	1/23/2021 9:22	1/23/2021 9:22	0:00:41	-48.07	-40.75	499.32	-48.98	-37.34	499.37	-143.69	0.31
1911	1/23/2021 9:23	1/23/2021 9:23	0:00:00	-49.58	-34.70	499.36	-49.58	-34.70	499.36	-143.89	0.11
1912	1/23/2021 10:12	1/23/2021 10:13	0:00:50	51.52	147.18	489.12	51.76	152.07	489.58	-143.19	0.81
1913	1/23/2021 10:19	1/23/2021 10:19	0:00:19	47.92	-177.09	491.20	47.42	-175.44	491.23	-143.43	0.57
1914	1/23/2021 10:46	1/23/2021 10:46	0:00:00	-25.83	-100.97	494.69	-25.83	-100.97	494.69	-143.73	0.27
1915	1/23/2021 10:54	1/23/2021 10:55	0:01:40	-44.39	-74.92	498.86	-47.29	-67.25	499.24	-143.25	0.75
1916	1/23/2021 10:56	1/23/2021 10:56	0:00:21	-48.04	-64.78	499.30	-48.51	-63.09	499.32	-143.68	0.32
1917	1/23/2021 11:41	1/23/2021 11:43	0:01:50	44.28	92.89	484.60	47.47	101.38	486.20	-143.22	0.78
1918	1/23/2021 11:43	1/23/2021 11:44	0:00:41	48.21	103.88	486.62	49.10	107.32	487.15	-143.21	0.79
1919	1/23/2021 11:46	1/23/2021 11:47	0:00:50	51.51	123.13	489.10	51.76	128.03	489.57	-143.07	0.93
1920	1/23/2021 11:53	1/23/2021 11:53	0:00:09	47.71	159.72	491.23	47.45	160.54	491.25	-143.37	0.63

Table 9 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)
1921	1/23/2021 12:20	1/23/2021 12:20	0:00:00	-24.84	-125.83	494.46	-24.84	-125.83	494.46	-143.80	0.20
1922	1/23/2021 13:02	1/23/2021 13:02	0:00:20	9.50	29.74	475.38	10.49	30.47	475.43	-143.31	0.69
1923	1/23/2021 13:03	1/23/2021 13:03	0:00:00	13.97	33.08	475.71	13.97	33.08	475.71	-143.91	0.09
1924	1/23/2021 13:05	1/23/2021 13:05	0:00:11	18.38	36.56	476.31	18.86	36.96	476.40	-143.71	0.29
1925	1/23/2021 13:54	1/23/2021 13:54	0:00:00	-25.25	-149.37	494.59	-25.25	-149.37	494.59	-143.97	0.03
1926	1/23/2021 14:02	1/23/2021 14:03	0:01:19	-44.63	-122.22	498.90	-46.96	-116.10	499.20	-143.24	0.76
1927	1/23/2021 14:36	1/23/2021 14:36	0:00:20	9.44	5.77	475.34	10.43	6.50	475.39	-143.22	0.78
1928	1/23/2021 14:37	1/23/2021 14:37	0:00:09	13.91	9.11	475.67	14.40	9.49	475.72	-143.65	0.35
1929	1/23/2021 15:36	1/23/2021 15:38	0:01:40	-44.59	-146.23	498.85	-47.46	-138.50	499.20	-143.21	0.79
1930	1/23/2021 15:39	1/23/2021 15:39	0:00:30	-48.65	-134.32	499.27	-49.29	-131.72	499.28	-143.72	0.28
1931	1/23/2021 16:44	1/23/2021 16:45	0:00:31	27.61	121.26	490.06	26.24	122.62	489.97	-143.66	0.34
1932	1/23/2021 17:03	1/23/2021 17:03	0:00:00	-25.61	163.12	494.65	-25.61	163.12	494.65	-143.86	0.14
1933	1/23/2021 17:11	1/23/2021 17:12	0:01:40	-44.87	-169.51	498.87	-47.68	-161.70	499.20	-143.26	0.74
1934	1/23/2021 17:45	1/23/2021 17:45	0:00:19	10.32	-41.43	475.31	11.32	-40.69	475.37	-143.20	0.80
1935	1/23/2021 17:46	1/23/2021 17:46	0:00:20	13.80	-38.83	475.59	14.78	-38.07	475.70	-142.69	1.31
1936	1/23/2021 17:48	1/23/2021 17:48	0:00:09	19.18	-34.55	476.35	19.66	-34.14	476.44	-143.55	0.45
1937	1/23/2021 17:49	1/23/2021 17:49	0:00:10	24.43	-29.96	477.45	24.90	-29.52	477.57	-143.88	0.12
1938	1/23/2021 17:52	1/23/2021 17:52	0:00:10	30.83	-23.48	479.25	31.27	-22.98	479.39	-143.59	0.41
1939	1/23/2021 17:58	1/23/2021 18:00	0:01:50	44.77	-1.69	484.75	47.86	6.95	486.34	-142.93	1.07
1940	1/23/2021 18:00	1/23/2021 18:00	0:00:00	48.57	9.49	486.76	48.57	9.49	486.76	-143.97	0.03
1941	1/23/2021 18:19	1/23/2021 18:19	0:00:30	27.66	97.29	490.12	26.29	98.65	490.02	-143.74	0.26
1942	1/23/2021 18:45	1/23/2021 18:45	0:00:09	-44.83	166.49	498.88	-45.14	167.23	498.92	-143.64	0.36
1943	1/23/2021 19:19	1/23/2021 19:19	0:00:19	10.26	-65.40	475.36	11.26	-64.66	475.42	-143.14	0.86
1944	1/23/2021 19:20	1/23/2021 19:20	0:00:19	14.23	-62.42	475.69	15.22	-61.65	475.80	-142.13	1.87
1945	1/23/2021 19:21	1/23/2021 19:21	0:00:00	17.67	-59.71	476.15	17.67	-59.71	476.15	-143.81	0.19
1946	1/23/2021 19:22	1/23/2021 19:22	0:00:10	19.12	-58.52	476.39	19.61	-58.12	476.48	-143.15	0.85
1947	1/23/2021 19:24	1/23/2021 19:24	0:00:11	24.84	-53.49	477.61	25.31	-53.05	477.72	-143.86	0.14
1948	1/23/2021 19:26	1/23/2021 19:26	0:00:20	30.78	-47.46	479.29	31.66	-46.46	479.57	-143.52	0.48
1949	1/23/2021 19:32	1/23/2021 19:34	0:01:40	45.04	-24.96	484.93	47.83	-17.07	486.37	-142.52	1.48
1950	1/23/2021 19:34	1/23/2021 19:35	0:00:31	48.77	-13.68	486.92	49.39	-11.06	487.31	-143.35	0.65
1951	1/23/2021 22:00	1/23/2021 22:00	0:00:09	-51.79	155.80	498.52	-51.79	156.79	498.43	-143.40	0.60
1952	1/23/2021 22:27	1/23/2021 22:27	0:00:20	10.64	-112.98	475.59	11.63	-112.24	475.65	-143.41	0.59
1953	1/23/2021 22:29	1/23/2021 22:29	0:00:19	14.60	-109.98	475.91	15.58	-109.22	476.03	-141.06	2.94
1954	1/23/2021 23:01	1/23/2021 23:02	0:00:40	27.37	25.80	489.72	25.53	27.60	489.59	-143.85	0.15
1955	1/23/2021 23:28	1/23/2021 23:29	0:01:41	-45.34	95.94	499.03	-48.06	103.87	499.36	-143.17	0.83
1956	1/23/2021 23:30	1/23/2021 23:31	0:00:11	-49.37	109.03	499.41	-49.57	109.91	499.41	-143.83	0.17
1957	1/23/2021 23:33	1/23/2021 23:33	0:00:00	-51.53	123.94	499.00	-51.53	123.94	499.00	-143.69	0.31
1958	1/23/2021 23:34	1/23/2021 23:34	0:00:00	-51.70	126.86	498.83	-51.70	126.86	498.83	-143.95	0.05
1959	1/23/2021 23:34	1/23/2021 23:35	0:00:10	-51.79	132.75	498.40	-51.77	133.73	498.31	-143.31	0.69
1960	1/23/2021 23:37	1/23/2021 23:37	0:00:00	-50.77	146.27	496.94	-50.77	146.27	496.94	-143.96	0.04
1961	1/24/2021 0:02	1/24/2021 0:02	0:00:20	11.08	-136.57	475.63	12.07	-135.83	475.70	-143.36	0.64
1962	1/24/2021 0:03	1/24/2021 0:03	0:00:31	14.54	-133.95	475.92	16.02	-132.80	476.10	-141.52	2.48
1963	1/24/2021 0:05	1/24/2021 0:05	0:00:09	19.91	-129.64	476.69	20.39	-129.23	476.78	-142.83	1.17
1964	1/24/2021 0:09	1/24/2021 0:09	0:00:19	31.50	-118.43	479.56	32.37	-117.42	479.84	-143.57	0.43
1965	1/24/2021 0:36	1/24/2021 0:36	0:00:30	26.97	2.28	489.66	25.58	3.62	489.57	-143.90	0.10
1966	1/24/2021 0:54	1/24/2021 0:54	0:00:00	-26.73	44.57	494.75	-26.73	44.57	494.75	-143.97	0.03
1967	1/24/2021 1:02	1/24/2021 1:04	0:01:40	-45.30	71.93	499.00	-48.03	79.85	499.33	-143.36	0.64
1968	1/24/2021 1:05	1/24/2021 1:05	0:00:20	-49.55	85.88	499.39	-49.92	87.68	499.38	-143.75	0.25
1969	1/24/2021 1:07	1/24/2021 1:07	0:00:00	-51.59	100.88	498.93	-51.59	100.88	498.93	-143.86	0.14
1970	1/24/2021 1:09	1/24/2021 1:09	0:00:20	-51.79	108.71	498.38	-51.75	110.67	498.21	-143.17	0.83
1971	1/24/2021 1:36	1/24/2021 1:36	0:00:19	11.02	-160.54	475.60	12.02	-159.80	475.66	-143.41	0.59
1972	1/24/2021 1:37	1/24/2021 1:38	0:00:30	14.98	-157.54	475.94	16.45	-156.38	476.12	-141.11	2.89
1973	1/24/2021 1:39	1/24/2021 1:39	0:00:09	20.34	-153.20	476.73	20.82	-152.79	476.82	-143.07	0.93
1974	1/24/2021 1:43	1/24/2021 1:43	0:00:09	31.89	-141.91	479.64	32.32	-141.40	479.78	-143.59	0.41
1975	1/24/2021 1:49	1/24/2021 1:49	0:00:09	45.51	-119.52	484.99	45.80	-118.75	485.13	-142.41	1.59
1976	1/24/2021 2:10	1/24/2021 2:11	0:00:11	25.63	-20.35	489.57	25.17	-19.91	489.54	-143.98	0.02
1977	1/24/2021 2:28	1/24/2021 2:28	0:00:00	-27.13	21.05	494.87	-27.13	21.05	494.87	-143.99	0.01
1978	1/24/2021 3:10	1/24/2021 3:10	0:00:19	11.46	175.87	475.57	12.46	176.61	475.65	-143.63	0.37
1979	1/24/2021 3:11	1/24/2021 3:12	0:00:20	15.42	178.88	475.94	16.40	179.65	476.07	-141.90	2.10
1980	1/24/2021 3:13	1/24/2021 3:13	0:00:11	20.77	-176.76	476.77	21.25	-176.35	476.86	-143.35	0.65

Table 9 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)
1981	1/24/2021 3:17	1/24/2021 3:17	0:00:19	31.84	-165.88	479.61	32.71	-164.86	479.89	-143.51	0.49
1982	1/24/2021 3:23	1/24/2021 3:25	0:01:49	45.47	-143.52	484.98	48.41	-134.67	486.51	-142.53	1.47
1983	1/24/2021 4:10	1/24/2021 4:12	0:01:31	-45.83	25.42	499.17	-48.21	32.65	499.42	-143.40	0.60
1984	1/24/2021 4:44	1/24/2021 4:44	0:00:09	11.90	152.27	475.51	12.40	152.64	475.54	-143.57	0.43
1985	1/24/2021 4:46	1/24/2021 4:46	0:00:30	15.36	154.91	475.83	16.83	156.07	476.02	-142.38	1.62
1986	1/24/2021 4:47	1/24/2021 4:47	0:00:09	20.71	159.27	476.65	21.19	159.68	476.75	-143.58	0.42
1987	1/24/2021 4:52	1/24/2021 4:52	0:00:09	32.23	170.64	479.62	32.66	171.16	479.76	-143.64	0.36
1988	1/24/2021 4:57	1/24/2021 4:59	0:01:50	45.44	-167.53	484.87	48.38	-158.69	486.41	-142.61	1.39
1989	1/24/2021 5:45	1/24/2021 5:45	0:00:00	-45.79	1.41	499.33	-45.79	1.41	499.33	-143.84	0.16
1990	1/24/2021 5:45	1/24/2021 5:46	0:00:30	-46.65	3.74	499.45	-47.44	6.15	499.53	-143.36	0.64
1991	1/24/2021 6:19	1/24/2021 6:19	0:00:11	12.34	128.68	475.40	12.84	129.05	475.44	-143.51	0.49
1992	1/24/2021 6:20	1/24/2021 6:20	0:00:20	15.79	131.33	475.74	16.77	132.10	475.86	-142.70	1.30
1993	1/24/2021 6:22	1/24/2021 6:22	0:00:11	21.13	135.71	476.57	21.61	136.12	476.66	-143.90	0.10
1994	1/24/2021 6:26	1/24/2021 6:26	0:00:19	32.17	146.66	479.41	33.04	147.69	479.69	-143.52	0.48
1995	1/24/2021 6:32	1/24/2021 6:32	0:00:09	45.70	169.22	484.77	46.00	169.99	484.91	-142.57	1.43
1996	1/24/2021 7:19	1/24/2021 7:21	0:01:11	-46.62	-20.27	499.48	-48.39	-14.54	499.64	-143.43	0.57
1997	1/24/2021 7:21	1/24/2021 7:22	0:00:30	-49.65	-9.32	499.66	-50.18	-6.61	499.63	-143.54	0.46
1998	1/24/2021 7:53	1/24/2021 7:53	0:00:11	12.78	105.08	475.40	13.28	105.46	475.44	-143.67	0.33
1999	1/24/2021 7:54	1/24/2021 7:54	0:00:11	16.23	107.75	475.76	16.72	108.14	475.82	-143.25	0.75
2000	1/24/2021 7:56	1/24/2021 7:56	0:00:00	22.51	112.99	476.82	22.51	112.99	476.82	-143.58	0.42
2001	1/24/2021 7:58	1/24/2021 7:58	0:00:00	27.19	117.38	477.93	27.19	117.38	477.93	-143.71	0.29
2002	1/24/2021 8:00	1/24/2021 8:00	0:00:20	32.56	123.19	479.52	33.42	124.23	479.81	-143.57	0.43
2003	1/24/2021 8:15	1/24/2021 8:15	0:00:09	50.73	-165.02	490.25	50.59	-164.09	490.30	-143.93	0.07
2004	1/24/2021 8:54	1/24/2021 8:55	0:01:11	-46.86	-43.49	499.63	-48.59	-37.71	499.77	-143.38	0.62
2005	1/24/2021 10:28	1/24/2021 10:29	0:01:11	-46.82	-67.51	499.61	-48.57	-61.74	499.75	-143.46	0.54
2006	1/24/2021 11:14	1/24/2021 11:16	0:01:59	45.90	97.95	484.86	48.95	107.80	486.53	-142.28	1.72
2007	1/24/2021 11:17	1/24/2021 11:18	0:01:00	49.56	110.45	486.92	50.57	115.93	487.65	-142.82	1.18
2008	1/24/2021 11:20	1/24/2021 11:21	0:01:01	51.76	129.42	489.08	51.75	135.32	489.57	-142.58	1.42
2009	1/24/2021 12:36	1/24/2021 12:36	0:00:00	14.09	34.31	475.42	14.09	34.31	475.42	-143.81	0.19
2010	1/24/2021 12:37	1/24/2021 12:37	0:00:00	17.04	36.62	475.77	17.04	36.62	475.77	-143.90	0.10
2011	1/24/2021 12:49	1/24/2021 12:51	0:02:00	46.15	74.71	484.96	49.14	84.65	486.62	-142.22	1.78
2012	1/24/2021 12:51	1/24/2021 12:52	0:00:50	49.73	87.32	487.00	50.55	91.90	487.61	-142.69	1.31
2013	1/24/2021 12:54	1/24/2021 12:55	0:01:00	51.76	105.38	489.04	51.75	111.29	489.53	-142.47	1.53
2014	1/24/2021 14:10	1/24/2021 14:10	0:00:00	14.53	10.72	475.42	14.53	10.72	475.42	-143.94	0.06
2015	1/24/2021 14:15	1/24/2021 14:15	0:00:20	27.44	21.93	477.87	28.35	22.85	478.12	-143.11	0.89
2016	1/24/2021 14:17	1/24/2021 14:17	0:00:11	33.65	28.81	479.76	34.08	29.34	479.90	-143.49	0.51
2017	1/24/2021 15:11	1/24/2021 15:11	0:00:41	-47.27	-137.96	499.61	-48.26	-134.65	499.68	-143.42	0.58
2018	1/24/2021 15:15	1/24/2021 15:16	0:00:11	-51.69	-112.52	499.06	-51.73	-111.55	498.99	-143.55	0.45
2019	1/24/2021 15:17	1/24/2021 15:17	0:00:39	-51.72	-103.70	498.33	-51.50	-99.80	497.92	-143.18	0.82
2020	1/24/2021 15:19	1/24/2021 15:19	0:00:30	-50.65	-92.17	496.94	-50.20	-89.40	496.53	-143.51	0.49
2021	1/24/2021 16:45	1/24/2021 16:46	0:01:20	-46.97	-162.77	499.55	-48.91	-156.11	499.67	-143.48	0.52
2022	1/24/2021 16:47	1/24/2021 16:47	0:00:39	-49.89	-151.69	499.65	-50.54	-148.03	499.57	-143.15	0.85
2023	1/24/2021 16:50	1/24/2021 16:50	0:00:00	-51.73	-135.57	498.95	-51.73	-135.57	498.95	-142.98	1.02
2024	1/24/2021 16:51	1/24/2021 16:52	0:00:39	-51.73	-127.72	498.29	-51.51	-123.83	497.88	-143.23	0.77
2025	1/24/2021 17:19	1/24/2021 17:19	0:00:10	15.41	-36.44	475.46	15.90	-36.06	475.52	-143.80	0.20
2026	1/24/2021 17:23	1/24/2021 17:24	0:00:20	27.80	-25.56	477.93	28.71	-24.62	478.18	-142.50	1.50
2027	1/24/2021 17:26	1/24/2021 17:26	0:00:11	33.99	-18.62	479.85	34.41	-18.08	480.00	-143.61	0.39
2028	1/24/2021 17:31	1/24/2021 17:31	0:00:00	46.35	3.47	485.01	46.35	3.47	485.01	-143.65	0.35
2029	1/24/2021 17:56	1/24/2021 17:56	0:00:00	14.68	109.74	489.46	14.68	109.74	489.46	-143.90	0.10
2030	1/24/2021 18:53	1/24/2021 18:53	0:00:09	15.85	-60.03	475.56	16.34	-59.64	475.62	-143.59	0.41
2031	1/24/2021 18:55	1/24/2021 18:55	0:00:00	19.74	-56.87	476.14	19.74	-56.87	476.14	-143.83	0.17
2032	1/24/2021 18:58	1/24/2021 18:58	0:00:21	28.20	-49.07	478.09	29.11	-48.13	478.35	-142.80	1.20
2033	1/24/2021 19:00	1/24/2021 19:00	0:00:21	33.94	-42.60	479.88	34.79	-41.52	480.18	-143.57	0.43
2034	1/24/2021 19:06	1/24/2021 19:07	0:01:49	46.59	-19.75	485.18	49.25	-10.55	486.69	-142.67	1.33
2035	1/24/2021 19:08	1/24/2021 19:09	0:00:41	49.83	-7.87	487.07	50.49	-4.21	487.55	-142.68	1.32
2036	1/24/2021 19:30	1/24/2021 19:30	0:00:00	14.24	86.15	489.42	14.24	86.15	489.42	-143.63	0.37
2037	1/24/2021 19:45	1/24/2021 19:45	0:00:00	-27.94	118.70	495.54	-27.94	118.70	495.54	-143.96	0.04
2038	1/24/2021 20:01	1/24/2021 20:02	0:00:11	-50.55	-163.32	496.99	-50.41	-162.39	496.85	-143.54	0.46
2039	1/24/2021 20:15	1/24/2021 20:15	0:00:00	-21.96	-112.14	481.21	-21.96	-112.14	481.21	-143.67	0.33
2040	1/24/2021 21:34	1/24/2021 21:34	0:00:39	-51.70	161.15	498.54	-51.46	165.05	498.14	-142.58	1.42

Table 9 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)
2041	1/24/2021 21:36	1/24/2021 21:36	0:00:21	-50.57	172.65	497.17	-50.27	174.50	496.90	-143.47	0.53
2042	1/24/2021 22:02	1/24/2021 22:02	0:00:09	16.22	-107.58	475.78	16.71	-107.20	475.85	-143.08	0.92
2043	1/24/2021 22:03	1/24/2021 22:03	0:00:00	20.11	-104.41	476.36	20.11	-104.41	476.36	-143.62	0.38
2044	1/24/2021 22:39	1/24/2021 22:39	0:00:00	13.86	38.59	489.08	13.86	38.59	489.08	-143.80	0.20
2045	1/24/2021 23:02	1/24/2021 23:03	0:01:20	-47.38	102.79	499.72	-49.23	109.55	499.84	-143.36	0.64
2046	1/24/2021 23:04	1/24/2021 23:04	0:00:11	-50.32	114.94	499.79	-50.47	115.86	499.77	-143.73	0.27
2047	1/24/2021 23:06	1/24/2021 23:07	0:00:11	-51.74	129.27	499.16	-51.77	130.26	499.09	-143.41	0.59
2048	1/24/2021 23:08	1/24/2021 23:09	0:00:50	-51.70	137.12	498.51	-51.39	141.98	498.00	-143.24	0.76
2049	1/24/2021 23:10	1/24/2021 23:10	0:00:11	-50.44	149.55	497.02	-50.29	150.47	496.88	-143.37	0.63
2050	1/24/2021 23:35	1/24/2021 23:35	0:00:00	14.69	-132.70	475.63	14.69	-132.70	475.63	-144.00	0.00
2051	1/24/2021 23:36	1/24/2021 23:36	0:00:00	16.65	-131.16	475.86	16.65	-131.16	475.86	-143.30	0.70
2052	1/24/2021 23:37	1/24/2021 23:37	0:00:09	20.05	-128.38	476.36	20.54	-127.97	476.45	-143.62	0.38
2053	1/24/2021 23:40	1/24/2021 23:41	0:00:29	28.50	-120.54	478.25	29.85	-119.11	478.63	-143.24	0.76
2054	1/24/2021 23:43	1/24/2021 23:43	0:00:20	34.64	-113.49	480.14	35.48	-112.40	480.43	-143.67	0.33
2055	1/25/2021 1:10	1/25/2021 1:10	0:00:00	15.13	-156.29	475.65	15.13	-156.29	475.65	-143.87	0.13
2056	1/25/2021 1:10	1/25/2021 1:10	0:00:00	17.09	-154.74	475.88	17.09	-154.74	475.88	-143.34	0.66
2057	1/25/2021 1:12	1/25/2021 1:12	0:00:09	20.48	-151.94	476.41	20.96	-151.53	476.49	-143.20	0.80
2058	1/25/2021 1:15	1/25/2021 1:15	0:00:30	28.91	-144.04	478.33	30.25	-142.60	478.71	-143.22	0.78
2059	1/25/2021 1:17	1/25/2021 1:17	0:00:10	35.02	-136.93	480.23	35.43	-136.38	480.37	-143.63	0.37
2060	1/25/2021 1:47	1/25/2021 1:47	0:00:00	13.47	-8.96	489.06	13.47	-8.96	489.06	-143.91	0.09
2061	1/25/2021 2:31	1/25/2021 2:31	0:00:00	-23.60	150.71	481.98	-23.60	150.71	481.98	-143.40	0.60
2062	1/25/2021 2:31	1/25/2021 2:31	0:00:00	-22.17	151.98	481.40	-22.17	151.98	481.40	-143.68	0.32
2063	1/25/2021 2:32	1/25/2021 2:32	0:00:00	-20.26	153.63	480.66	-20.26	153.63	480.66	-143.92	0.08
2064	1/25/2021 2:44	1/25/2021 2:44	0:00:00	15.57	-179.86	475.65	15.57	-179.86	475.65	-143.92	0.08
2065	1/25/2021 2:46	1/25/2021 2:46	0:00:09	20.43	-175.90	476.36	20.92	-175.49	476.45	-143.22	0.78
2066	1/25/2021 2:48	1/25/2021 2:48	0:00:00	25.64	-171.22	477.45	25.64	-171.22	477.45	-143.82	0.18
2067	1/25/2021 2:49	1/25/2021 2:49	0:00:19	29.76	-167.06	478.55	30.65	-166.09	478.81	-143.38	0.62
2068	1/25/2021 2:51	1/25/2021 2:51	0:00:20	34.97	-160.91	480.20	35.81	-159.80	480.49	-143.65	0.35
2069	1/25/2021 2:57	1/25/2021 2:59	0:02:19	46.99	-138.23	485.22	50.08	-126.19	487.03	-142.63	1.37
2070	1/25/2021 4:05	1/25/2021 4:05	0:00:09	-23.65	126.74	481.96	-23.18	127.16	481.76	-142.49	1.51
2071	1/25/2021 4:06	1/25/2021 4:06	0:00:00	-20.31	129.66	480.62	-20.31	129.66	480.62	-143.67	0.33
2072	1/25/2021 4:18	1/25/2021 4:18	0:00:00	15.52	156.17	475.55	15.52	156.17	475.55	-143.97	0.03
2073	1/25/2021 4:20	1/25/2021 4:20	0:00:10	20.86	160.54	476.34	21.34	160.95	476.43	-142.83	1.17
2074	1/25/2021 4:22	1/25/2021 4:22	0:00:09	25.59	164.81	477.34	26.06	165.25	477.45	-143.72	0.28
2075	1/25/2021 4:23	1/25/2021 4:24	0:00:30	29.26	168.49	478.30	30.61	169.94	478.69	-143.41	0.59
2076	1/25/2021 4:26	1/25/2021 4:26	0:00:10	35.35	175.66	480.23	35.76	176.21	480.38	-143.73	0.27
2077	1/25/2021 4:31	1/25/2021 4:33	0:01:59	46.96	-162.24	485.12	49.71	-152.01	486.70	-142.29	1.71
2078	1/25/2021 4:33	1/25/2021 4:33	0:00:00	50.23	-149.29	487.07	50.23	-149.29	487.07	-143.09	0.91
2079	1/25/2021 5:39	1/25/2021 5:40	0:00:30	-23.70	102.76	481.98	-22.28	104.04	481.39	-141.80	2.20
2080	1/25/2021 5:41	1/25/2021 5:41	0:00:00	-19.89	106.10	480.44	-19.89	106.10	480.44	-143.99	0.01
2081	1/25/2021 5:41	1/25/2021 5:41	0:00:09	-18.44	107.30	479.90	-17.95	107.69	479.73	-143.77	0.23
2082	1/25/2021 5:53	1/25/2021 5:53	0:00:00	15.95	132.59	475.45	15.95	132.59	475.45	-143.78	0.22
2083	1/25/2021 5:54	1/25/2021 5:55	0:00:20	20.81	136.57	476.16	21.77	137.40	476.34	-142.93	1.07
2084	1/25/2021 5:56	1/25/2021 5:56	0:00:11	26.01	141.28	477.26	26.47	141.73	477.37	-143.19	0.81
2085	1/25/2021 5:58	1/25/2021 5:58	0:00:10	30.56	145.96	478.48	31.00	146.45	478.62	-143.32	0.68
2086	1/25/2021 6:00	1/25/2021 6:00	0:00:09	35.72	152.23	480.15	36.13	152.79	480.30	-143.66	0.34
2087	1/25/2021 6:05	1/25/2021 6:06	0:01:09	47.20	174.56	485.02	48.88	-179.57	485.96	-142.66	1.34
2088	1/25/2021 6:53	1/25/2021 6:54	0:01:20	-47.76	-15.63	500.01	-49.52	-8.77	500.08	-143.47	0.53
2089	1/25/2021 6:56	1/25/2021 6:56	0:00:00	-50.82	-1.46	499.95	-50.82	-1.46	499.95	-143.83	0.17
2090	1/25/2021 7:27	1/25/2021 7:27	0:00:00	16.39	109.01	475.47	16.39	109.01	475.47	-143.75	0.25
2091	1/25/2021 7:29	1/25/2021 7:29	0:00:10	21.24	113.01	476.21	21.72	113.43	476.30	-143.32	0.68
2092	1/25/2021 7:30	1/25/2021 7:30	0:00:09	25.96	117.31	477.22	26.42	117.76	477.33	-143.24	0.76
2093	1/25/2021 7:32	1/25/2021 7:32	0:00:30	29.62	121.02	478.19	30.95	122.48	478.58	-143.43	0.57
2094	1/25/2021 7:34	1/25/2021 7:34	0:00:10	35.67	128.25	480.12	36.09	128.81	480.27	-143.74	0.26
2095	1/25/2021 9:20	1/25/2021 9:21	0:00:21	51.59	163.79	489.31	51.45	165.73	489.44	-143.53	0.47
2096	1/25/2021 9:26	1/25/2021 9:26	0:00:00	45.28	-167.19	490.41	45.28	-167.19	490.41	-143.24	0.76
2097	1/25/2021 9:27	1/25/2021 9:27	0:00:00	44.02	-164.25	490.41	44.02	-164.25	490.41	-142.56	1.44
2098	1/25/2021 10:21	1/25/2021 10:21	0:00:00	-27.57	27.29	483.70	-27.57	27.29	483.70	-143.89	0.11
2099	1/25/2021 10:21	1/25/2021 10:21	0:00:00	-26.19	28.66	483.06	-26.19	28.66	483.06	-143.63	0.37
2100	1/25/2021 10:22	1/25/2021 10:22	0:00:20	-23.38	31.28	481.83	-22.44	32.13	481.43	-141.18	2.82

Table 9 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)
2101	1/25/2021 10:24	1/25/2021 10:24	0:00:30	-18.11	35.79	479.75	-16.65	36.97	479.23	-142.52	1.48
2102	1/25/2021 10:49	1/25/2021 10:50	0:00:30	49.43	111.01	486.32	49.99	113.71	486.69	-141.58	2.42
2103	1/25/2021 10:50	1/25/2021 10:52	0:01:01	50.47	116.46	487.05	51.23	122.14	487.72	-142.48	1.52
2104	1/25/2021 10:54	1/25/2021 10:55	0:01:01	51.76	135.83	489.01	51.46	141.70	489.43	-143.38	0.62
2105	1/25/2021 11:00	1/25/2021 11:00	0:00:09	45.31	168.80	490.43	45.01	169.55	490.44	-143.03	0.97
2106	1/25/2021 11:01	1/25/2021 11:01	0:00:00	44.06	171.74	490.44	44.06	171.74	490.44	-143.51	0.49
2107	1/25/2021 11:55	1/25/2021 11:55	0:00:10	-27.62	3.32	483.65	-27.16	3.78	483.43	-143.91	0.09
2108	1/25/2021 11:55	1/25/2021 11:55	0:00:00	-25.78	5.13	482.80	-25.78	5.13	482.80	-143.79	0.21
2109	1/25/2021 11:56	1/25/2021 11:57	0:00:30	-23.91	6.88	481.98	-22.49	8.16	481.38	-141.79	2.21
2110	1/25/2021 11:58	1/25/2021 11:59	0:00:20	-17.68	12.22	479.52	-16.70	13.00	479.18	-141.86	2.14
2111	1/25/2021 12:13	1/25/2021 12:13	0:00:11	26.73	46.29	477.33	27.19	46.74	477.45	-143.34	0.66
2112	1/25/2021 13:29	1/25/2021 13:29	0:00:00	-27.21	-20.20	483.45	-27.21	-20.20	483.45	-143.40	0.60
2113	1/25/2021 13:30	1/25/2021 13:30	0:00:00	-25.83	-18.84	482.81	-25.83	-18.84	482.81	-143.78	0.22
2114	1/25/2021 13:30	1/25/2021 13:31	0:00:39	-23.96	-17.09	481.99	-22.07	-15.39	481.19	-141.62	2.38
2115	1/25/2021 13:32	1/25/2021 13:33	0:00:30	-17.73	-11.75	479.53	-16.27	-10.57	479.02	-142.28	1.72
2116	1/25/2021 13:47	1/25/2021 13:47	0:00:09	26.68	22.32	477.27	27.14	22.77	477.39	-143.33	0.67
2117	1/25/2021 13:49	1/25/2021 13:49	0:00:10	30.76	26.57	478.40	31.20	27.06	478.53	-143.30	0.70
2118	1/25/2021 14:44	1/25/2021 14:45	0:00:59	-48.35	-133.20	500.11	-49.61	-127.99	500.13	-142.90	1.10
2119	1/25/2021 16:18	1/25/2021 16:20	0:01:11	-48.55	-156.36	500.08	-49.96	-150.21	500.07	-143.13	0.87
2120	1/25/2021 16:41	1/25/2021 16:41	0:00:00	-16.86	-58.89	479.13	-16.86	-58.89	479.13	-143.20	0.80
2121	1/25/2021 16:41	1/25/2021 16:41	0:00:00	-15.39	-57.73	478.64	-15.39	-57.73	478.64	-143.89	0.11
2122	1/25/2021 16:53	1/25/2021 16:53	0:00:00	19.97	-31.61	475.81	19.97	-31.61	475.81	-143.52	0.48
2123	1/25/2021 16:56	1/25/2021 16:56	0:00:10	27.05	-25.17	477.33	27.51	-24.71	477.45	-143.59	0.41
2124	1/25/2021 16:57	1/25/2021 16:57	0:00:00	29.33	-22.83	477.95	29.33	-22.83	477.95	-143.95	0.05
2125	1/25/2021 16:57	1/25/2021 16:58	0:00:19	31.11	-20.89	478.48	31.99	-19.88	478.75	-142.38	1.62
2126	1/25/2021 17:00	1/25/2021 17:00	0:00:19	36.64	-13.97	480.34	37.45	-12.81	480.64	-143.78	0.22
2127	1/25/2021 17:53	1/25/2021 17:53	0:00:29	-48.53	179.63	500.09	-49.18	-177.78	500.11	-143.04	0.96
2128	1/25/2021 18:28	1/25/2021 18:28	0:00:09	19.92	-55.58	475.84	20.40	-55.17	475.92	-143.32	0.68
2129	1/25/2021 18:28	1/25/2021 18:28	0:00:00	22.32	-53.51	476.29	22.32	-53.51	476.29	-143.89	0.11
2130	1/25/2021 18:30	1/25/2021 18:30	0:00:11	27.46	-48.68	477.48	27.92	-48.22	477.61	-143.73	0.27
2131	1/25/2021 18:31	1/25/2021 18:31	0:00:00	29.73	-46.33	478.11	29.73	-46.33	478.11	-143.94	0.06
2132	1/25/2021 18:32	1/25/2021 18:32	0:00:20	31.51	-44.36	478.65	32.38	-43.35	478.92	-142.74	1.26
2133	1/25/2021 18:34	1/25/2021 18:34	0:00:09	37.01	-37.37	480.52	37.41	-36.79	480.67	-143.77	0.23
2134	1/25/2021 18:39	1/25/2021 18:42	0:02:49	48.00	-14.23	485.42	51.06	1.06	487.52	-142.44	1.56
2135	1/25/2021 19:18	1/25/2021 19:18	0:00:00	-29.02	120.95	496.12	-29.02	120.95	496.12	-144.00	0.00
2136	1/25/2021 19:46	1/25/2021 19:46	0:00:00	-26.48	-115.17	483.25	-26.48	-115.17	483.25	-143.67	0.33
2137	1/25/2021 19:49	1/25/2021 19:49	0:00:00	-16.47	-106.43	479.23	-16.47	-106.43	479.23	-143.64	0.36
2138	1/25/2021 21:20	1/25/2021 21:20	0:00:00	-27.45	-140.06	483.90	-27.45	-140.06	483.90	-143.83	0.17
2139	1/25/2021 21:21	1/25/2021 21:21	0:00:00	-24.67	-137.37	482.64	-24.67	-137.37	482.64	-143.39	0.61
2140	1/25/2021 21:24	1/25/2021 21:24	0:00:09	-16.52	-130.40	479.43	-16.03	-130.01	479.26	-143.03	0.97
2141	1/25/2021 22:38	1/25/2021 22:38	0:00:11	-51.35	124.00	499.96	-51.44	124.96	499.92	-143.60	0.40
2142	1/25/2021 22:42	1/25/2021 22:42	0:00:00	-50.81	148.26	497.76	-50.81	148.26	497.76	-143.92	0.08
2143	1/25/2021 22:54	1/25/2021 22:54	0:00:00	-27.50	-164.03	483.95	-27.50	-164.03	483.95	-143.61	0.39
2144	1/26/2021 0:10	1/26/2021 0:11	0:00:41	-49.09	86.16	500.23	-49.87	89.70	500.23	-142.81	1.19
2145	1/26/2021 0:12	1/26/2021 0:13	0:00:11	-51.35	99.98	499.94	-51.43	100.94	499.89	-143.26	0.74
2146	1/26/2021 0:16	1/26/2021 0:17	0:00:10	-50.82	124.25	497.75	-50.69	125.18	497.62	-143.58	0.42
2147	1/26/2021 0:45	1/26/2021 0:45	0:00:09	20.68	-150.64	476.11	21.16	-150.23	476.19	-143.40	0.60
2148	1/26/2021 0:45	1/26/2021 0:46	0:00:20	23.06	-148.55	476.55	24.01	-147.69	476.75	-143.72	0.28
2149	1/26/2021 0:46	1/26/2021 0:46	0:00:00	25.41	-146.38	477.06	25.41	-146.38	477.06	-143.78	0.22
2150	1/26/2021 0:47	1/26/2021 0:47	0:00:11	28.18	-143.65	477.74	28.63	-143.19	477.86	-143.84	0.16
2151	1/26/2021 0:48	1/26/2021 0:49	0:01:01	30.43	-141.27	478.35	33.06	-138.24	479.15	-142.65	1.35
2152	1/26/2021 0:51	1/26/2021 0:51	0:00:11	38.03	-131.57	480.85	38.43	-130.98	481.00	-143.82	0.18
2153	1/26/2021 2:06	1/26/2021 2:07	0:00:21	-15.69	158.49	479.09	-14.71	159.25	478.76	-142.69	1.31
2154	1/26/2021 2:19	1/26/2021 2:19	0:00:11	21.11	-174.19	476.15	21.59	-173.77	476.24	-143.76	0.24
2155	1/26/2021 2:20	1/26/2021 2:20	0:00:00	23.96	-171.66	476.71	23.96	-171.66	476.71	-143.51	0.49
2156	1/26/2021 2:21	1/26/2021 2:22	0:00:11	28.59	-167.15	477.82	29.04	-166.68	477.94	-143.85	0.15
2157	1/26/2021 2:22	1/26/2021 2:23	0:01:11	30.39	-165.24	478.32	33.45	-161.69	479.26	-142.69	1.31
2158	1/26/2021 2:25	1/26/2021 2:25	0:00:10	37.99	-155.55	480.83	38.39	-154.96	480.98	-143.72	0.28
2159	1/26/2021 2:31	1/26/2021 2:32	0:01:20	48.35	-132.61	485.43	49.98	-125.58	486.44	-142.34	1.66
2160	1/26/2021 3:41	1/26/2021 3:41	0:00:29	-15.74	134.52	479.04	-14.27	135.67	478.56	-143.24	0.76

Table 9 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)
2161	1/26/2021 3:43	1/26/2021 3:43	0:00:09	-9.81	139.02	477.27	-9.31	139.38	477.14	-143.16	0.84
2162	1/26/2021 3:53	1/26/2021 3:53	0:00:00	21.54	162.26	476.13	21.54	162.26	476.13	-143.88	0.12
2163	1/26/2021 3:54	1/26/2021 3:54	0:00:11	23.91	164.38	476.60	24.38	164.81	476.70	-143.63	0.37
2164	1/26/2021 3:56	1/26/2021 3:56	0:00:20	28.54	168.88	477.71	29.45	169.83	477.96	-143.87	0.13
2165	1/26/2021 3:56	1/26/2021 3:58	0:01:10	30.79	171.28	478.34	33.84	174.86	479.29	-142.54	1.46
2166	1/26/2021 3:59	1/26/2021 4:00	0:00:11	38.35	-178.94	480.87	38.74	-178.34	481.02	-143.84	0.16
2167	1/26/2021 4:05	1/26/2021 4:07	0:02:00	48.32	-156.62	485.35	50.60	-145.90	486.83	-142.48	1.52
2168	1/26/2021 4:43	1/26/2021 4:44	0:00:10	-30.09	-21.45	496.49	-30.53	-20.97	496.61	-143.92	0.08
2169	1/26/2021 5:17	1/26/2021 5:17	0:00:09	-9.36	115.42	477.10	-8.86	115.78	476.97	-142.94	1.06
2170	1/26/2021 5:28	1/26/2021 5:29	0:00:10	24.33	140.84	476.52	24.80	141.28	476.62	-143.52	0.48
2171	1/26/2021 5:30	1/26/2021 5:30	0:00:10	28.95	145.38	477.64	29.40	145.85	477.76	-143.89	0.11
2172	1/26/2021 5:31	1/26/2021 5:31	0:00:21	30.74	147.31	478.14	31.63	148.30	478.40	-143.18	0.82
2173	1/26/2021 5:31	1/26/2021 5:32	0:00:21	32.93	149.84	478.80	33.79	150.88	479.07	-142.73	1.27
2174	1/26/2021 5:34	1/26/2021 5:34	0:00:00	38.70	157.68	480.79	38.70	157.68	480.79	-143.75	0.25
2175	1/26/2021 5:39	1/26/2021 5:40	0:01:09	48.53	-179.78	485.25	49.95	-173.61	486.13	-143.03	0.97
2176	1/26/2021 6:18	1/26/2021 6:18	0:00:00	-30.49	-44.94	496.64	-30.49	-44.94	496.64	-143.87	0.13
2177	1/26/2021 6:27	1/26/2021 6:28	0:00:41	-49.41	-8.14	500.50	-50.14	-4.55	500.47	-142.89	1.11
2178	1/26/2021 6:51	1/26/2021 6:51	0:00:10	-8.91	91.82	476.95	-8.41	92.19	476.83	-142.29	1.71
2179	1/26/2021 6:53	1/26/2021 6:53	0:00:00	-4.90	94.70	476.06	-4.90	94.70	476.06	-143.33	0.67
2180	1/26/2021 7:03	1/26/2021 7:03	0:00:00	24.76	117.31	476.58	24.76	117.31	476.58	-143.58	0.42
2181	1/26/2021 7:04	1/26/2021 7:06	0:01:49	29.36	121.88	477.72	34.17	127.44	479.17	-142.53	1.47
2182	1/26/2021 7:08	1/26/2021 7:08	0:00:11	38.66	133.70	480.76	39.05	134.31	480.91	-143.82	0.18
2183	1/26/2021 8:54	1/26/2021 8:54	0:00:00	51.15	169.94	489.42	51.15	169.94	489.42	-143.80	0.20
2184	1/26/2021 8:57	1/26/2021 8:57	0:00:00	49.08	-178.12	490.01	49.08	-178.12	490.01	-143.76	0.24
2185	1/26/2021 9:00	1/26/2021 9:00	0:00:00	42.93	-160.89	490.31	42.93	-160.89	490.31	-143.67	0.33
2186	1/26/2021 9:01	1/26/2021 9:01	0:00:00	41.89	-158.85	490.29	41.89	-158.85	490.29	-143.41	0.59
2187	1/26/2021 9:01	1/26/2021 9:01	0:00:09	40.81	-156.88	490.27	40.44	-156.24	490.26	-143.72	0.28
2188	1/26/2021 9:27	1/26/2021 9:27	0:00:10	-30.76	-92.57	497.27	-31.20	-92.08	497.38	-143.85	0.15
2189	1/26/2021 9:36	1/26/2021 9:37	0:01:01	-49.53	-55.54	500.97	-50.54	-50.09	500.87	-143.02	0.98
2190	1/26/2021 9:38	1/26/2021 9:38	0:00:00	-51.58	-40.56	500.44	-51.58	-40.56	500.44	-143.39	0.61
2191	1/26/2021 9:41	1/26/2021 9:41	0:00:09	-51.57	-26.86	499.25	-51.51	-25.89	499.14	-143.91	0.09
2192	1/26/2021 9:42	1/26/2021 9:42	0:00:00	-50.80	-19.21	498.28	-50.80	-19.21	498.28	-143.99	0.01
2193	1/26/2021 9:54	1/26/2021 9:54	0:00:00	-26.54	29.37	483.60	-26.54	29.37	483.60	-143.79	0.21
2194	1/26/2021 9:59	1/26/2021 9:59	0:00:00	-11.11	42.27	477.70	-11.11	42.27	477.70	-143.74	0.26
2195	1/26/2021 10:00	1/26/2021 10:00	0:00:09	-8.61	44.10	477.04	-8.11	44.46	476.91	-141.46	2.54
2196	1/26/2021 10:12	1/26/2021 10:12	0:00:00	25.03	69.63	476.78	25.03	69.63	476.78	-143.99	0.01
2197	1/26/2021 10:13	1/26/2021 10:14	0:01:00	29.62	74.23	477.94	32.28	77.20	478.73	-142.70	1.30
2198	1/26/2021 10:15	1/26/2021 10:15	0:00:21	33.57	78.76	479.14	34.42	79.82	479.42	-142.66	1.34
2199	1/26/2021 10:17	1/26/2021 10:17	0:00:11	38.89	86.12	481.03	39.27	86.73	481.18	-143.76	0.24
2200	1/26/2021 10:22	1/26/2021 10:23	0:01:01	48.64	108.78	485.55	49.85	114.07	486.32	-143.03	0.97
2201	1/26/2021 10:28	1/26/2021 10:29	0:00:50	51.58	141.04	489.08	51.17	145.88	489.41	-143.57	0.43
2202	1/26/2021 10:31	1/26/2021 10:31	0:00:00	49.11	157.83	490.02	49.11	157.83	490.02	-143.74	0.26
2203	1/26/2021 10:33	1/26/2021 10:33	0:00:00	45.54	169.28	490.31	45.54	169.28	490.31	-143.67	0.33
2204	1/26/2021 10:34	1/26/2021 10:34	0:00:00	42.98	175.09	490.33	42.98	175.09	490.33	-143.84	0.16
2205	1/26/2021 10:35	1/26/2021 10:35	0:00:00	41.94	177.13	490.32	41.94	177.13	490.32	-143.09	0.91
2206	1/26/2021 10:35	1/26/2021 10:35	0:00:09	40.86	179.10	490.30	40.50	179.74	490.29	-143.37	0.63
2207	1/26/2021 11:18	1/26/2021 11:18	0:00:00	-48.49	-31.69	493.22	-48.49	-31.69	493.22	-143.75	0.25
2208	1/26/2021 11:28	1/26/2021 11:28	0:00:11	-26.68	5.30	458.33	-26.21	5.75	457.58	-141.89	2.11
2209	1/26/2021 11:34	1/26/2021 11:34	0:00:00	-10.66	18.68	432.48	-10.66	18.68	432.48	-143.92	0.08
2210	1/26/2021 11:34	1/26/2021 11:35	0:00:19	-8.65	20.15	429.35	-7.64	20.89	427.79	-139.10	4.90
2211	1/26/2021 11:36	1/26/2021 11:36	0:00:20	-4.59	23.06	423.18	-3.58	23.78	421.66	-142.54	1.46
2212	1/26/2021 11:41	1/26/2021 11:42	0:01:31	11.19	34.34	401.37	15.73	37.80	395.89	-143.16	0.84
2213	1/26/2021 11:45	1/26/2021 12:14	0:29:01	24.09	44.87	386.86	26.70	173.59	365.02	-140.65	3.35
2214	1/26/2021 12:16	1/26/2021 12:16	0:00:19	22.86	177.19	364.43	21.88	178.05	364.29	-142.24	1.76
2215	1/26/2021 12:16	1/26/2021 12:17	0:00:39	20.41	179.32	364.09	18.43	-179.02	363.84	-141.76	2.24
2216	1/26/2021 12:18	1/26/2021 12:19	0:00:59	16.43	-177.41	363.62	13.41	-175.05	363.34	-141.93	2.07
2217	1/26/2021 12:22	1/26/2021 12:22	0:00:00	4.71	-168.68	362.94	4.71	-168.68	362.94	-143.22	0.78
2218	1/26/2021 12:22	1/26/2021 12:24	0:01:40	2.14	-166.86	362.95	-3.02	-163.22	363.13	-141.69	2.31
2219	1/26/2021 12:25	1/26/2021 12:25	0:00:09	-4.57	-162.12	363.23	-5.08	-161.76	363.27	-143.45	0.55
2220	1/26/2021 12:25	1/26/2021 12:25	0:00:00	-7.14	-160.28	363.45	-7.14	-160.28	363.45	-143.75	0.25

Table 9 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)
2221	1/26/2021 12:28	1/26/2021 12:46	0:17:11	-16.79	-153.01	364.73	-51.79	-82.95	371.35	-140.59	3.41
2222	1/26/2021 12:47	1/26/2021 12:51	0:04:29	-51.75	-77.90	371.09	-47.71	-52.35	368.43	-141.25	2.75
2223	1/26/2021 12:52	1/26/2021 12:53	0:01:40	-46.34	-48.22	367.74	-43.14	-40.61	366.21	-141.93	2.07
2224	1/26/2021 12:59	1/26/2021 12:59	0:00:00	-29.55	-20.99	360.56	-29.55	-20.99	360.56	-143.16	0.84
2225	1/26/2021 12:59	1/26/2021 13:01	0:01:31	-28.16	-19.53	360.06	-23.87	-15.39	358.62	-140.85	3.15
2226	1/26/2021 13:01	1/26/2021 13:03	0:01:11	-22.42	-14.07	358.17	-18.97	-11.12	357.20	-142.80	1.20
2227	1/26/2021 13:04	1/26/2021 13:04	0:00:00	-16.47	-9.09	356.57	-16.47	-9.09	356.57	-143.77	0.23
2228	1/26/2021 13:06	1/26/2021 13:06	0:00:00	-9.87	-4.06	355.26	-9.87	-4.06	355.26	-143.88	0.12
2229	1/26/2021 13:06	1/26/2021 13:07	0:00:21	-8.33	-2.93	355.03	-7.30	-2.19	354.89	-137.52	6.48
2230	1/26/2021 13:07	1/26/2021 13:08	0:00:41	-5.24	-0.71	354.66	-3.17	0.76	354.48	-141.07	2.93
2231	1/26/2021 13:09	1/26/2021 13:09	0:00:00	-1.10	2.22	354.35	-1.10	2.22	354.35	-143.87	0.13
2232	1/26/2021 13:11	1/26/2021 13:11	0:00:00	5.62	6.98	354.33	5.62	6.98	354.33	-143.99	0.01
2233	1/26/2021 13:13	1/26/2021 13:30	0:16:51	14.32	13.40	355.16	51.47	78.68	367.77	-139.98	4.02
2234	1/26/2021 13:33	1/26/2021 13:37	0:03:50	51.46	95.80	368.60	47.36	117.13	368.52	-141.12	2.88
2235	1/26/2021 13:38	1/26/2021 13:46	0:08:39	46.53	119.60	368.42	25.66	151.30	364.79	-140.46	3.54
2236	1/26/2021 13:47	1/26/2021 13:49	0:02:10	22.77	153.97	364.35	16.35	159.37	363.55	-141.71	2.29
2237	1/26/2021 13:50	1/26/2021 13:51	0:01:19	14.84	160.55	363.41	10.78	163.63	363.10	-141.84	2.16
2238	1/26/2021 13:52	1/26/2021 13:53	0:01:19	8.22	165.50	362.97	4.11	168.45	362.88	-141.57	2.43
2239	1/26/2021 13:54	1/26/2021 13:55	0:01:29	2.05	169.91	362.89	-2.60	173.19	363.06	-141.71	2.29
2240	1/26/2021 13:56	1/26/2021 13:56	0:00:00	-5.17	175.01	363.23	-5.17	175.01	363.23	-143.57	0.43
2241	1/26/2021 13:57	1/26/2021 14:00	0:03:09	-7.23	176.49	363.41	-16.88	-176.23	364.70	-142.03	1.97
2242	1/26/2021 14:03	1/26/2021 14:09	0:06:29	-25.21	-169.02	366.32	-41.97	-147.36	370.20	-140.95	3.05
2243	1/26/2021 14:12	1/26/2021 14:17	0:05:09	-47.37	-134.41	371.27	-51.80	-105.06	371.25	-140.72	3.28
2244	1/26/2021 14:18	1/26/2021 14:23	0:04:40	-51.75	-101.01	371.03	-47.40	-74.66	368.22	-141.19	2.81
2245	1/26/2021 14:23	1/26/2021 14:24	0:00:50	-46.29	-71.37	367.66	-44.76	-67.47	366.92	-141.96	2.04
2246	1/26/2021 14:25	1/26/2021 14:25	0:00:20	-43.77	-65.23	366.45	-43.08	-63.78	366.13	-143.11	0.89
2247	1/26/2021 14:31	1/26/2021 14:31	0:00:10	-29.47	-44.20	360.47	-29.01	-43.71	360.30	-142.08	1.92
2248	1/26/2021 14:31	1/26/2021 14:33	0:01:20	-27.61	-42.27	359.80	-23.79	-38.60	358.54	-141.30	2.70
2249	1/26/2021 14:33	1/26/2021 14:34	0:01:10	-22.33	-37.29	358.09	-18.88	-34.34	357.11	-141.93	2.07
2250	1/26/2021 14:35	1/26/2021 14:35	0:00:09	-16.38	-32.31	356.49	-15.87	-31.92	356.37	-143.26	0.74
2251	1/26/2021 14:38	1/26/2021 14:38	0:00:29	-8.23	-26.16	354.96	-6.69	-25.05	354.76	-137.99	6.01
2252	1/26/2021 14:43	1/26/2021 15:12	0:29:29	6.22	-15.89	354.30	40.81	108.89	366.00	-139.97	4.03
2253	1/26/2021 15:15	1/26/2021 15:23	0:08:01	33.89	119.07	361.65	10.81	140.30	334.77	-140.97	3.03
2254	1/26/2021 15:24	1/26/2021 15:46	0:22:09	8.25	142.18	330.89	-50.35	-145.20	213.85	-136.11	7.89
2255	1/26/2021 15:49	1/26/2021 15:56	0:07:19	-51.81	-127.62	202.56	-42.85	-86.37	184.11	-135.58	8.42
2256	1/26/2021 15:59	1/26/2021 16:15	0:16:50	-36.34	-75.55	182.33	15.68	-31.71	242.97	-134.04	9.96
2257	1/26/2021 16:41	1/26/2021 16:41	0:00:21	42.45	83.02	364.72	41.73	84.39	364.63	-140.30	3.70
2258	1/26/2021 16:42	1/26/2021 16:48	0:06:00	40.62	86.39	364.38	24.98	105.81	352.84	-140.71	3.29
2259	1/26/2021 16:49	1/26/2021 16:51	0:02:10	22.57	108.01	350.11	16.14	113.38	341.98	-141.36	2.64
2260	1/26/2021 16:52	1/26/2021 16:53	0:01:10	14.13	114.96	339.20	10.57	117.64	334.06	-140.96	3.04
2261	1/26/2021 16:54	1/26/2021 17:15	0:21:29	8.01	119.52	330.19	-49.71	-171.47	216.46	-136.85	7.15
2262	1/26/2021 17:31	1/26/2021 17:34	0:03:59	-30.60	-91.28	182.85	-18.56	-79.88	189.79	-135.64	8.36
2263	1/26/2021 17:35	1/26/2021 17:37	0:02:10	-17.00	-78.61	191.19	-10.12	-73.32	198.55	-136.58	7.42
2264	1/26/2021 17:38	1/26/2021 18:00	0:22:10	-8.52	-72.14	200.55	50.29	0.35	337.28	-134.83	9.17
2265	1/26/2021 18:19	1/26/2021 18:19	0:00:09	19.86	87.51	346.29	19.37	87.93	345.67	-141.55	2.45
2266	1/26/2021 18:20	1/26/2021 18:21	0:00:41	17.88	89.15	343.77	15.88	90.76	341.12	-141.38	2.62
2267	1/26/2021 18:21	1/26/2021 18:23	0:01:21	13.86	92.32	338.34	9.79	95.38	332.46	-141.06	2.94

Max. Exceedance: 9.96 dB

Table 10 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	1/6/2021 14:40	1/6/2021 15:22	0:42:39	37.06	132.00	421.99	-27.22	-71.43	426.96	-139.65	4.35
2	1/6/2021 15:26	1/6/2021 15:27	0:01:11	-36.89	-60.04	431.26	-39.66	-55.81	432.59	-143.37	0.63
3	1/6/2021 15:28	1/6/2021 15:33	0:05:00	-42.94	-49.83	434.19	-50.57	-25.04	438.21	-142.10	1.90
4	1/6/2021 15:36	1/6/2021 15:40	0:03:30	-51.80	-8.42	439.26	-49.75	11.84	439.14	-141.01	2.99
5	1/6/2021 15:40	1/6/2021 16:01	0:21:10	-49.15	14.53	439.00	6.05	79.48	424.06	-140.14	3.86
6	1/6/2021 16:04	1/6/2021 16:33	0:28:39	14.61	85.81	424.08	37.21	-150.01	423.77	-140.45	3.55
7	1/6/2021 16:36	1/6/2021 16:56	0:19:50	29.87	-140.90	421.91	-28.78	-93.46	427.02	-138.99	5.01
8	1/6/2021 16:57	1/6/2021 16:58	0:01:00	-31.04	-91.01	427.91	-33.68	-87.91	428.99	-143.63	0.37
9	1/6/2021 16:59	1/6/2021 17:00	0:01:40	-36.63	-84.02	430.24	-40.56	-77.91	431.97	-143.41	0.59
10	1/6/2021 17:01	1/6/2021 17:13	0:11:29	-42.73	-73.88	432.94	-49.67	-11.41	437.39	-140.96	3.04
11	1/6/2021 17:13	1/6/2021 17:13	0:00:00	-49.07	-8.72	437.24	-49.07	-8.72	437.24	-142.82	1.18
12	1/6/2021 17:16	1/6/2021 17:53	0:36:39	-44.49	5.09	435.91	50.48	118.98	429.02	-139.60	4.40
13	1/6/2021 17:56	1/6/2021 18:25	0:28:50	51.80	135.62	428.91	-16.92	-127.80	452.87	-139.23	4.77
14	1/6/2021 18:28	1/6/2021 18:28	0:00:00	-25.55	-120.30	461.09	-25.55	-120.30	461.09	-143.99	0.01
15	1/6/2021 18:35	1/6/2021 18:35	0:00:00	-43.62	-95.68	480.05	-43.62	-95.68	480.05	-143.97	0.03
16	1/6/2021 18:36	1/6/2021 18:38	0:01:20	-46.38	-88.97	483.18	-48.43	-82.43	485.62	-142.82	1.18
17	1/6/2021 18:39	1/6/2021 18:46	0:06:31	-50.52	-72.64	488.40	-49.72	-35.32	492.13	-142.07	1.93
18	1/6/2021 18:47	1/6/2021 18:50	0:03:00	-48.92	-31.80	491.95	-44.02	-17.56	489.95	-141.47	2.53
19	1/6/2021 18:50	1/6/2021 19:09	0:18:29	-42.69	-14.76	489.25	8.87	34.15	453.63	-140.94	3.06
20	1/6/2021 19:09	1/6/2021 19:15	0:05:40	10.37	35.25	452.71	26.89	49.05	443.71	-140.31	3.69
21	1/6/2021 19:18	1/6/2021 19:21	0:03:20	34.49	57.53	440.15	42.34	69.77	436.61	-141.86	2.14
22	1/6/2021 19:22	1/6/2021 19:28	0:05:41	44.04	73.31	435.82	51.42	102.86	431.14	-141.74	2.26
23	1/6/2021 19:30	1/6/2021 19:36	0:06:00	51.51	119.78	429.23	43.77	151.15	426.47	-140.27	3.73
24	1/6/2021 19:37	1/6/2021 19:59	0:22:19	42.74	153.28	426.36	-20.81	-148.34	456.40	-139.24	4.76
25	1/6/2021 20:01	1/6/2021 20:01	0:00:00	-26.02	-143.61	461.47	-26.02	-143.61	461.47	-143.98	0.02
26	1/6/2021 20:08	1/6/2021 20:20	0:12:39	-41.91	-122.87	478.09	-48.92	-55.55	491.94	-142.08	1.92
27	1/6/2021 20:23	1/6/2021 20:34	0:10:40	-44.34	-42.01	490.38	-17.11	-8.48	482.38	-141.10	2.90
28	1/6/2021 20:34	1/6/2021 20:42	0:08:11	-15.64	-7.32	482.12	8.84	10.37	481.52	-141.53	2.47
29	1/6/2021 20:43	1/6/2021 20:51	0:08:30	10.84	11.83	481.78	34.69	34.02	487.99	-141.06	2.94
30	1/6/2021 20:53	1/6/2021 20:55	0:02:00	37.55	37.95	489.03	42.07	45.47	490.73	-142.94	1.06
31	1/6/2021 20:56	1/6/2021 20:57	0:00:41	44.42	50.36	491.66	45.65	53.34	492.15	-143.07	0.93
32	1/6/2021 20:57	1/6/2021 20:57	0:00:10	46.51	55.66	492.51	46.78	56.46	492.62	-143.97	0.03
33	1/6/2021 21:05	1/6/2021 21:10	0:05:40	51.32	98.24	495.23	43.85	127.11	493.64	-141.49	2.51
34	1/6/2021 21:11	1/6/2021 21:23	0:11:41	42.51	129.90	493.29	11.49	163.89	486.38	-140.51	3.49
35	1/6/2021 21:23	1/6/2021 21:33	0:09:30	9.51	165.35	486.15	-18.86	-173.90	486.94	-140.68	3.32
36	1/6/2021 21:59	1/6/2021 22:08	0:08:39	-39.85	-57.28	488.69	-16.70	-32.08	482.25	-141.08	2.92
37	1/6/2021 22:09	1/6/2021 22:17	0:08:10	-15.23	-30.92	482.00	9.26	-13.25	481.53	-141.53	2.47
38	1/6/2021 22:17	1/6/2021 22:26	0:08:11	11.25	-11.78	481.80	34.20	9.46	487.80	-141.21	2.79
39	1/6/2021 22:27	1/6/2021 22:29	0:02:01	37.89	14.51	489.13	42.36	22.11	490.83	-143.00	1.00
40	1/6/2021 22:30	1/6/2021 22:30	0:00:21	44.37	26.32	491.63	44.99	27.79	491.88	-142.50	1.50
41	1/6/2021 23:18	1/6/2021 23:20	0:01:31	-46.82	-159.34	493.00	-49.00	-151.83	493.44	-142.79	1.21
42	1/6/2021 23:21	1/6/2021 23:28	0:06:40	-50.61	-143.71	493.68	-49.41	-105.46	492.26	-142.03	1.97
43	1/6/2021 23:29	1/6/2021 23:32	0:03:11	-48.78	-102.84	492.00	-43.47	-87.95	489.91	-141.38	2.62
44	1/6/2021 23:33	1/6/2021 23:36	0:03:09	-41.74	-84.53	489.28	-34.30	-73.19	486.70	-142.18	1.82
45	1/6/2021 23:39	1/6/2021 23:42	0:03:40	-26.77	-64.84	484.45	-16.29	-55.68	482.09	-141.25	2.75
46	1/6/2021 23:43	1/6/2021 23:51	0:08:10	-14.82	-54.52	481.85	9.68	-36.87	481.52	-141.40	2.60
47	1/6/2021 23:52	1/7/2021 0:00	0:07:49	12.17	-35.03	481.89	34.13	-14.54	487.77	-141.35	2.65
48	1/7/2021 0:01	1/7/2021 0:02	0:01:01	38.22	-8.91	489.26	40.51	-5.21	490.13	-142.84	1.16
49	1/7/2021 0:27	1/7/2021 0:31	0:04:10	23.29	106.47	488.51	11.16	116.29	486.43	-140.57	3.43
50	1/7/2021 0:32	1/7/2021 0:42	0:09:50	8.67	118.11	486.15	-20.63	139.73	487.27	-140.77	3.23
51	1/7/2021 0:51	1/7/2021 0:51	0:00:00	-43.43	168.37	492.24	-43.43	168.37	492.24	-143.98	0.02
52	1/7/2021 0:53	1/7/2021 0:54	0:01:31	-46.78	176.61	492.99	-48.97	-175.90	493.42	-143.00	1.00
53	1/7/2021 0:56	1/7/2021 1:01	0:05:19	-50.72	-166.85	493.69	-50.62	-135.90	492.80	-142.22	1.78
54	1/7/2021 1:08	1/7/2021 1:16	0:08:39	-39.59	-104.70	488.48	-16.37	-79.67	482.10	-141.23	2.77
55	1/7/2021 1:17	1/7/2021 1:25	0:08:19	-14.90	-78.51	481.86	10.10	-60.49	481.59	-141.30	2.70
56	1/7/2021 1:26	1/7/2021 1:29	0:02:51	12.58	-58.64	481.97	20.87	-52.02	483.72	-141.47	2.53
57	1/7/2021 2:04	1/7/2021 2:06	0:01:31	15.18	89.30	486.99	10.74	92.67	486.38	-140.60	3.40
58	1/7/2021 2:06	1/7/2021 2:16	0:09:50	8.25	94.49	486.11	-21.03	116.15	487.35	-140.78	3.22
59	1/7/2021 2:25	1/7/2021 2:25	0:00:00	-43.71	145.04	492.36	-43.71	145.04	492.36	-143.84	0.16
60	1/7/2021 2:27	1/7/2021 2:29	0:01:31	-47.00	153.35	493.11	-49.14	160.91	493.53	-143.22	0.78

Table 10 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)
61	1/7/2021 2:30	1/7/2021 2:31	0:01:20	-50.70	169.07	493.78	-51.53	176.71	493.82	-142.62	1.38
62	1/7/2021 2:43	1/7/2021 2:51	0:08:20	-38.50	-126.90	488.24	-15.96	-103.27	482.17	-141.17	2.83
63	1/7/2021 2:51	1/7/2021 2:59	0:07:49	-14.49	-102.13	481.93	9.02	-85.21	481.56	-141.23	2.77
64	1/7/2021 3:48	1/7/2021 3:50	0:02:39	-13.66	86.28	486.22	-21.42	92.57	487.36	-142.22	1.78
65	1/7/2021 3:59	1/7/2021 3:59	0:00:09	-43.65	120.99	492.40	-43.98	121.71	492.48	-143.80	0.20
66	1/7/2021 4:01	1/7/2021 4:03	0:01:20	-47.22	130.10	493.23	-49.11	136.83	493.62	-143.30	0.70
67	1/7/2021 4:20	1/7/2021 4:25	0:05:10	-30.17	-140.14	485.73	-15.55	-126.88	482.27	-141.24	2.76
68	1/7/2021 4:26	1/7/2021 4:34	0:08:20	-14.08	-125.74	482.04	10.92	-107.74	481.91	-141.21	2.79
69	1/7/2021 4:35	1/7/2021 4:38	0:03:00	13.40	-105.88	482.29	22.14	-98.77	484.17	-141.56	2.44
70	1/7/2021 5:10	1/7/2021 5:14	0:04:20	23.06	34.90	488.19	10.41	45.05	486.06	-140.72	3.28
71	1/7/2021 5:15	1/7/2021 5:21	0:05:50	7.92	46.87	485.81	-9.61	59.33	485.70	-140.76	3.24
72	1/7/2021 5:44	1/7/2021 5:45	0:01:10	-50.40	153.71	492.94	-49.13	160.01	492.39	-142.11	1.89
73	1/7/2021 5:46	1/7/2021 5:49	0:03:20	-48.48	162.60	492.12	-42.67	177.97	489.90	-141.56	2.44
74	1/7/2021 5:50	1/7/2021 5:59	0:09:31	-40.90	-178.70	489.26	-15.64	-150.87	482.29	-141.42	2.58
75	1/7/2021 6:00	1/7/2021 6:05	0:04:31	-13.67	-149.35	481.99	-0.18	-139.60	481.06	-141.20	2.80
76	1/7/2021 6:36	1/7/2021 6:48	0:11:50	41.82	-12.34	493.16	10.03	21.41	486.08	-140.56	3.44
77	1/7/2021 6:49	1/7/2021 6:59	0:10:00	7.53	23.22	485.82	-22.19	45.38	487.36	-140.74	3.26
78	1/7/2021 7:17	1/7/2021 7:19	0:02:09	-51.20	123.93	493.29	-49.18	135.89	492.39	-141.84	2.16
79	1/7/2021 7:20	1/7/2021 7:23	0:03:09	-48.30	139.34	492.03	-42.75	153.89	489.94	-141.69	2.31
80	1/7/2021 7:24	1/7/2021 7:34	0:09:31	-40.61	157.87	489.18	-15.26	-174.50	482.35	-141.37	2.63
81	1/7/2021 7:34	1/7/2021 7:43	0:08:20	-13.29	-172.98	482.05	11.72	-154.99	482.23	-141.03	2.97
82	1/7/2021 8:12	1/7/2021 8:23	0:11:09	40.06	-33.15	492.68	9.62	-2.21	486.07	-140.55	3.45
83	1/7/2021 8:23	1/7/2021 8:34	0:10:01	7.12	-0.41	485.82	-22.58	21.80	487.46	-140.47	3.53
84	1/7/2021 8:42	1/7/2021 8:42	0:00:00	-44.12	50.24	492.38	-44.12	50.24	492.38	-143.96	0.04
85	1/7/2021 8:51	1/7/2021 8:54	0:02:39	-51.40	97.91	493.35	-49.01	112.69	492.24	-141.65	2.35
86	1/7/2021 8:54	1/7/2021 8:57	0:03:20	-48.34	115.26	491.97	-42.46	130.53	489.75	-142.04	1.96
87	1/7/2021 8:58	1/7/2021 9:08	0:09:40	-40.68	133.83	489.11	-14.85	161.89	482.18	-141.22	2.78
88	1/7/2021 9:08	1/7/2021 9:10	0:01:40	-13.37	163.03	481.97	-8.40	166.71	481.42	-142.38	1.62
89	1/7/2021 9:11	1/7/2021 9:17	0:06:20	-6.90	167.79	481.30	12.13	-178.61	482.23	-140.79	3.21
90	1/7/2021 9:18	1/7/2021 9:20	0:02:30	14.60	-176.73	482.66	21.87	-170.78	484.28	-141.54	2.46
91	1/7/2021 9:52	1/7/2021 9:55	0:03:00	23.80	-37.55	488.61	15.14	-30.30	486.94	-140.88	3.12
92	1/7/2021 9:56	1/7/2021 9:57	0:01:29	13.67	-29.16	486.72	9.21	-25.84	486.15	-140.72	3.28
93	1/7/2021 9:58	1/7/2021 10:08	0:10:01	6.71	-24.03	485.92	-22.97	-1.78	487.64	-140.41	3.59
94	1/7/2021 11:01	1/7/2021 11:02	0:01:29	38.51	-175.94	489.56	41.87	-170.25	490.84	-142.49	1.51
95	1/7/2021 11:04	1/7/2021 11:05	0:00:50	45.48	-162.42	492.28	46.90	-158.53	492.87	-142.91	1.09
96	1/7/2021 11:06	1/7/2021 11:15	0:08:39	48.85	-151.88	493.70	48.93	-102.91	495.04	-141.43	2.57
97	1/7/2021 11:31	1/7/2021 11:31	0:00:00	9.29	-49.83	486.26	9.29	-49.83	486.26	-143.71	0.29
98	1/7/2021 11:32	1/7/2021 11:42	0:10:10	6.80	-48.02	486.03	-23.36	-25.35	487.88	-140.58	3.42
99	1/7/2021 12:15	1/7/2021 12:16	0:01:19	-18.44	111.18	482.66	-14.54	114.28	481.97	-141.42	2.58
100	1/7/2021 12:17	1/7/2021 12:19	0:01:40	-12.56	115.79	481.69	-7.59	119.45	481.16	-142.37	1.63
101	1/7/2021 12:19	1/7/2021 12:26	0:06:20	-6.08	120.52	481.06	12.94	134.15	482.11	-141.04	2.96
102	1/7/2021 12:26	1/7/2021 12:32	0:05:39	14.42	135.28	482.37	30.47	149.75	486.54	-141.29	2.71
103	1/7/2021 12:32	1/7/2021 12:33	0:00:41	31.80	151.24	486.98	33.53	153.29	487.57	-143.55	0.45
104	1/7/2021 12:35	1/7/2021 12:37	0:01:40	38.44	160.02	489.34	42.16	166.38	490.75	-142.70	1.30
105	1/7/2021 12:38	1/7/2021 12:39	0:00:50	45.42	173.52	492.06	46.85	177.40	492.65	-142.87	1.13
106	1/7/2021 12:41	1/7/2021 12:48	0:07:49	48.81	-175.96	493.49	49.94	-131.42	495.10	-141.43	2.57
107	1/7/2021 12:53	1/7/2021 12:53	0:00:00	42.42	-109.19	493.34	42.42	-109.19	493.34	-142.61	1.39
108	1/7/2021 12:54	1/7/2021 13:05	0:11:49	40.99	-106.54	492.97	8.88	-73.45	486.25	-140.38	3.62
109	1/7/2021 13:07	1/7/2021 13:16	0:09:59	5.89	-71.30	485.99	-23.75	-48.93	488.00	-140.73	3.27
110	1/7/2021 13:50	1/7/2021 13:51	0:00:30	-15.61	89.53	482.10	-14.13	90.67	481.86	-141.45	2.55
111	1/7/2021 13:52	1/7/2021 13:52	0:00:59	-12.15	92.17	481.58	-9.17	94.37	481.24	-142.40	1.60
112	1/7/2021 13:53	1/7/2021 13:53	0:00:11	-7.67	95.46	481.11	-7.17	95.82	481.07	-143.60	0.40
113	1/7/2021 13:54	1/7/2021 14:00	0:06:09	-5.67	96.89	480.97	12.86	110.16	482.02	-141.17	2.83
114	1/7/2021 14:00	1/7/2021 14:06	0:05:31	14.83	111.67	482.37	30.40	125.74	486.45	-141.23	2.77
115	1/7/2021 14:07	1/7/2021 14:07	0:00:29	32.59	128.24	487.18	33.88	129.80	487.63	-143.77	0.23
116	1/7/2021 14:09	1/7/2021 14:11	0:01:40	38.38	135.99	489.26	42.10	142.33	490.68	-142.84	1.16
117	1/7/2021 14:13	1/7/2021 14:13	0:00:39	45.67	150.22	492.11	46.80	153.33	492.58	-142.85	1.15
118	1/7/2021 14:15	1/7/2021 14:15	0:00:39	48.99	160.83	493.52	49.78	164.37	493.88	-142.79	1.21
119	1/7/2021 14:16	1/7/2021 14:18	0:02:10	50.29	167.10	494.13	51.66	179.49	494.91	-142.97	1.03
120	1/7/2021 14:30	1/7/2021 14:40	0:10:10	36.82	-123.87	491.87	8.47	-97.08	486.27	-140.53	3.47

Table 10 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)
121	1/7/2021 14:41	1/7/2021 14:51	0:10:01	5.47	-94.93	486.03	-24.13	-72.50	488.19	-140.62	3.38
122	1/7/2021 15:34	1/7/2021 15:34	0:00:11	12.77	86.17	481.99	13.26	86.54	482.07	-143.35	0.65
123	1/7/2021 15:35	1/7/2021 15:38	0:03:09	14.74	87.67	482.34	23.90	95.33	484.48	-141.03	2.97
124	1/7/2021 15:38	1/7/2021 15:40	0:02:00	25.30	96.63	484.88	30.76	102.21	486.58	-142.60	1.40
125	1/7/2021 15:41	1/7/2021 15:42	0:00:10	33.37	105.26	487.47	33.80	105.78	487.62	-143.88	0.12
126	1/7/2021 15:44	1/7/2021 15:45	0:01:40	38.69	112.56	489.41	42.38	118.96	490.84	-142.96	1.04
127	1/7/2021 15:47	1/7/2021 15:48	0:00:49	45.61	126.15	492.15	47.02	130.06	492.74	-142.82	1.18
128	1/7/2021 15:49	1/7/2021 15:50	0:00:39	48.95	136.75	493.59	49.75	140.29	493.95	-142.70	1.30
129	1/7/2021 15:50	1/7/2021 15:50	0:00:00	50.26	143.01	494.20	50.26	143.01	494.20	-143.76	0.24
130	1/7/2021 16:17	1/7/2021 16:25	0:08:21	0.05	-115.03	485.92	-24.51	-96.07	488.32	-141.53	2.47
131	1/7/2021 16:33	1/7/2021 16:33	0:00:00	-44.47	-68.59	492.86	-44.47	-68.59	492.86	-143.96	0.04
132	1/7/2021 16:35	1/7/2021 16:35	0:00:10	-47.10	-61.69	493.43	-47.36	-60.88	493.48	-143.85	0.15
133	1/7/2021 16:35	1/7/2021 16:36	0:00:30	-48.11	-58.40	493.63	-48.79	-55.85	493.76	-143.69	0.31
134	1/7/2021 17:31	1/7/2021 17:36	0:05:10	50.20	155.40	495.27	41.90	-179.98	493.39	-141.46	2.54
135	1/7/2021 17:36	1/7/2021 17:46	0:10:10	40.82	-178.02	493.11	13.61	-148.75	487.06	-140.87	3.13
136	1/7/2021 17:47	1/7/2021 17:48	0:01:20	12.13	-147.63	486.86	8.16	-144.71	486.42	-140.70	3.30
137	1/7/2021 17:49	1/7/2021 17:49	0:00:10	5.16	-142.56	486.18	4.66	-142.20	486.15	-142.91	1.09
138	1/7/2021 18:24	1/7/2021 18:34	0:09:31	-39.20	-7.27	488.44	-13.41	19.44	481.58	-141.44	2.56
139	1/7/2021 18:34	1/7/2021 18:35	0:01:00	-11.43	20.93	481.31	-8.44	23.12	481.00	-142.36	1.64
140	1/7/2021 18:36	1/7/2021 18:36	0:00:10	-6.94	24.20	480.88	-6.44	24.56	480.85	-143.73	0.27
141	1/7/2021 18:36	1/7/2021 18:43	0:06:20	-4.94	25.63	480.77	14.07	39.30	482.09	-141.08	2.92
142	1/7/2021 18:43	1/7/2021 18:49	0:05:30	15.55	40.44	482.37	31.04	54.68	486.58	-140.96	3.04
143	1/7/2021 19:04	1/7/2021 19:10	0:06:30	51.17	124.75	495.37	41.61	156.63	493.33	-141.37	2.63
144	1/7/2021 19:11	1/7/2021 19:21	0:10:10	40.52	158.58	493.05	13.21	-172.37	487.05	-140.87	3.13
145	1/7/2021 19:21	1/7/2021 19:23	0:01:20	11.72	-171.25	486.86	7.75	-168.34	486.44	-140.57	3.43
146	1/7/2021 19:24	1/7/2021 19:29	0:05:10	4.74	-166.19	486.21	-10.78	-155.14	486.43	-140.64	3.36
147	1/7/2021 19:55	1/7/2021 19:56	0:01:01	-46.62	-46.71	491.25	-44.86	-42.12	490.55	-142.04	1.96
148	1/7/2021 19:56	1/7/2021 19:56	0:00:00	-43.57	-39.22	490.05	-43.57	-39.22	490.05	-143.72	0.28
149	1/7/2021 19:57	1/7/2021 19:57	0:00:31	-42.56	-37.14	489.66	-41.50	-35.13	489.26	-143.29	0.71
150	1/7/2021 19:58	1/7/2021 20:00	0:01:51	-38.89	-30.70	488.30	-34.43	-24.41	486.76	-142.14	1.86
151	1/7/2021 20:03	1/7/2021 20:08	0:04:31	-25.99	-15.13	484.19	-13.01	-4.18	481.47	-141.44	2.56
152	1/7/2021 20:09	1/7/2021 20:10	0:01:01	-11.03	-2.70	481.22	-8.04	-0.51	480.91	-142.43	1.57
153	1/7/2021 20:10	1/7/2021 20:10	0:00:09	-6.53	0.57	480.80	-6.03	0.93	480.77	-143.75	0.25
154	1/7/2021 20:11	1/7/2021 20:17	0:06:20	-4.53	2.00	480.70	14.48	15.69	482.11	-141.11	2.89
155	1/7/2021 20:18	1/7/2021 20:23	0:05:30	15.95	16.83	482.40	31.40	31.16	486.65	-141.13	2.87
156	1/7/2021 20:25	1/7/2021 20:25	0:00:30	34.84	35.32	487.86	36.08	36.97	488.31	-143.62	0.38
157	1/7/2021 20:26	1/7/2021 20:29	0:02:29	38.87	41.06	489.35	44.21	51.01	491.46	-143.10	0.90
158	1/7/2021 20:29	1/7/2021 20:30	0:01:09	45.15	53.21	491.85	47.15	58.65	492.70	-142.83	1.17
159	1/7/2021 20:37	1/7/2021 20:44	0:06:59	51.46	97.77	495.32	41.67	132.59	493.33	-141.31	2.69
160	1/7/2021 20:45	1/7/2021 20:57	0:11:59	40.22	135.18	492.95	7.34	168.03	486.39	-140.59	3.41
161	1/7/2021 20:58	1/7/2021 21:07	0:09:01	4.33	170.17	486.18	-22.37	-169.79	487.98	-140.43	3.57
162	1/7/2021 21:08	1/7/2021 21:08	0:00:20	-23.79	-168.52	488.24	-24.73	-167.66	488.42	-143.30	0.70
163	1/7/2021 21:33	1/7/2021 21:42	0:09:41	-38.96	-54.73	488.28	-12.60	-27.80	481.36	-141.31	2.69
164	1/7/2021 21:43	1/7/2021 21:44	0:01:01	-10.62	-26.32	481.12	-7.62	-24.14	480.83	-142.51	1.49
165	1/7/2021 21:45	1/7/2021 21:45	0:00:00	-6.12	-23.06	480.73	-6.12	-23.06	480.73	-143.82	0.18
166	1/7/2021 21:45	1/7/2021 21:51	0:06:30	-4.62	-21.99	480.65	14.88	-7.93	482.15	-141.24	2.76
167	1/7/2021 21:52	1/7/2021 21:58	0:05:30	16.35	-6.77	482.44	31.77	7.64	486.75	-141.27	2.73
168	1/7/2021 21:59	1/7/2021 21:59	0:00:39	35.19	11.84	487.95	36.83	14.08	488.56	-143.41	0.59
169	1/7/2021 22:00	1/7/2021 22:04	0:03:20	38.81	17.02	489.31	45.70	30.67	492.06	-143.13	0.87
170	1/7/2021 22:50	1/7/2021 22:50	0:00:00	-45.18	-162.61	492.94	-45.18	-162.61	492.94	-143.91	0.09
171	1/7/2021 22:52	1/7/2021 22:54	0:01:51	-47.18	-157.17	493.35	-49.67	-147.79	493.78	-143.62	0.38
172	1/7/2021 22:55	1/7/2021 23:02	0:07:01	-51.03	-139.47	493.92	-48.25	-99.75	491.80	-141.32	2.68
173	1/7/2021 23:03	1/7/2021 23:04	0:01:21	-46.99	-95.64	491.28	-44.65	-89.49	490.34	-142.21	1.79
174	1/7/2021 23:05	1/7/2021 23:05	0:00:00	-43.36	-86.62	489.83	-43.36	-86.62	489.83	-143.99	0.01
175	1/7/2021 23:05	1/7/2021 23:06	0:00:31	-42.33	-84.55	489.44	-41.27	-82.55	489.04	-143.29	0.71
176	1/7/2021 23:07	1/7/2021 23:09	0:02:30	-38.64	-78.15	488.08	-32.44	-69.83	485.97	-142.23	1.77
177	1/7/2021 23:12	1/7/2021 23:17	0:04:10	-24.76	-61.81	483.73	-12.68	-51.79	481.29	-141.33	2.67
178	1/7/2021 23:17	1/7/2021 23:26	0:08:30	-10.20	-49.94	480.99	15.29	-31.54	482.18	-141.38	2.62
179	1/7/2021 23:26	1/7/2021 23:32	0:05:30	16.76	-30.38	482.48	32.13	-15.86	486.86	-141.40	2.60
180	1/7/2021 23:33	1/7/2021 23:36	0:02:41	35.94	-11.07	488.23	42.08	-1.27	490.60	-143.10	0.90

Table 10 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)
181	1/8/2021 0:05	1/8/2021 0:06	0:01:01	9.50	118.61	486.68	6.51	120.77	486.41	-140.73	3.27
182	1/8/2021 0:07	1/8/2021 0:17	0:10:10	3.50	122.91	486.22	-26.42	146.11	488.77	-140.94	3.06
183	1/8/2021 0:23	1/8/2021 0:23	0:00:09	-41.46	165.61	492.11	-41.82	166.28	492.19	-143.91	0.09
184	1/8/2021 0:25	1/8/2021 0:25	0:00:00	-45.43	174.08	492.99	-45.43	174.08	492.99	-143.86	0.14
185	1/8/2021 0:26	1/8/2021 0:28	0:01:40	-47.39	179.58	493.39	-49.63	-171.87	493.77	-143.59	0.41
186	1/8/2021 0:29	1/8/2021 0:36	0:06:31	-51.12	-162.61	493.91	-48.74	-125.53	492.00	-141.11	2.89
187	1/8/2021 0:39	1/8/2021 0:40	0:00:41	-42.39	-108.59	489.44	-40.96	-105.94	488.91	-143.23	0.77
188	1/8/2021 0:41	1/8/2021 0:51	0:09:30	-38.31	-101.58	487.94	-12.27	-75.41	481.24	-141.51	2.49
189	1/8/2021 0:51	1/8/2021 1:00	0:08:31	-10.29	-73.93	481.00	15.21	-55.53	482.17	-141.37	2.63
190	1/8/2021 1:01	1/8/2021 1:06	0:05:01	17.16	-53.98	482.58	31.18	-40.88	486.56	-141.22	2.78
191	1/8/2021 1:36	1/8/2021 1:38	0:01:30	16.49	89.38	487.63	12.07	92.78	486.98	-140.86	3.14
192	1/8/2021 1:38	1/8/2021 1:40	0:01:20	10.58	93.89	486.80	6.59	96.78	486.42	-140.63	3.37
193	1/8/2021 1:41	1/8/2021 1:51	0:10:10	3.09	99.27	486.20	-26.80	122.55	488.86	-141.09	2.91
194	1/8/2021 1:57	1/8/2021 1:57	0:00:11	-41.75	142.23	492.23	-42.11	142.90	492.31	-143.62	0.38
195	1/8/2021 1:59	1/8/2021 1:59	0:00:11	-45.38	150.03	493.04	-45.68	150.79	493.10	-143.87	0.13
196	1/8/2021 2:00	1/8/2021 2:02	0:01:29	-47.60	156.33	493.50	-49.60	164.05	493.84	-143.55	0.45
197	1/8/2021 2:03	1/8/2021 2:05	0:01:40	-51.10	173.29	494.00	-51.77	-177.00	493.90	-142.15	1.85
198	1/8/2021 2:53	1/8/2021 3:02	0:08:50	51.79	-6.45	495.24	40.84	38.39	493.15	-141.09	2.91
199	1/8/2021 3:02	1/8/2021 3:05	0:03:00	39.72	40.29	492.86	32.38	50.42	490.96	-142.67	1.33
200	1/8/2021 3:20	1/8/2021 3:22	0:01:41	-12.33	86.37	486.54	-17.23	90.18	487.14	-141.92	2.08
201	1/8/2021 3:22	1/8/2021 3:25	0:03:00	-18.69	91.36	487.36	-27.18	99.00	488.91	-142.21	1.79
202	1/8/2021 3:31	1/8/2021 3:31	0:00:00	-40.23	115.60	491.91	-40.23	115.60	491.91	-144.00	0.00
203	1/8/2021 3:31	1/8/2021 3:31	0:00:09	-41.69	118.19	492.26	-42.05	118.85	492.34	-143.64	0.36
204	1/8/2021 3:32	1/8/2021 3:33	0:00:20	-43.75	122.31	492.74	-44.39	123.75	492.89	-143.84	0.16
205	1/8/2021 3:33	1/8/2021 3:33	0:00:09	-45.62	126.72	493.17	-45.92	127.49	493.23	-143.86	0.14
206	1/8/2021 3:34	1/8/2021 3:36	0:01:40	-47.55	132.25	493.57	-49.75	140.85	493.97	-143.60	0.40
207	1/8/2021 3:46	1/8/2021 3:47	0:00:59	-45.73	-163.92	491.06	-43.86	-159.49	490.33	-142.29	1.71
208	1/8/2021 3:48	1/8/2021 3:49	0:00:50	-42.16	-156.02	489.68	-40.36	-152.74	489.01	-143.05	0.95
209	1/8/2021 3:50	1/8/2021 3:59	0:09:39	-38.06	-149.06	488.18	-11.46	-122.66	481.43	-141.31	2.69
210	1/8/2021 4:00	1/8/2021 4:01	0:00:59	-9.47	-121.19	481.20	-6.47	-119.03	480.95	-142.42	1.58
211	1/8/2021 4:02	1/8/2021 4:09	0:07:01	-4.97	-117.95	480.87	16.01	-102.76	482.50	-141.53	2.47
212	1/8/2021 4:09	1/8/2021 4:10	0:00:41	17.47	-101.59	482.81	19.41	-100.00	483.24	-143.07	0.93
213	1/8/2021 5:18	1/8/2021 5:19	0:01:31	-49.67	158.71	492.67	-47.69	166.45	491.83	-141.11	2.89
214	1/8/2021 5:20	1/8/2021 5:21	0:01:19	-46.35	170.47	491.29	-43.92	176.46	490.34	-142.27	1.73
215	1/8/2021 5:22	1/8/2021 5:23	0:00:50	-41.87	-179.39	489.56	-40.05	-176.15	488.89	-143.19	0.81
216	1/8/2021 5:24	1/8/2021 5:34	0:09:29	-37.73	-172.50	488.07	-11.55	-146.65	481.46	-141.27	2.73
217	1/8/2021 5:34	1/8/2021 5:34	0:00:00	-9.06	-144.82	481.18	-9.06	-144.82	481.18	-143.03	0.97
218	1/8/2021 6:11	1/8/2021 6:21	0:09:50	38.32	-5.35	492.30	11.34	21.54	486.59	-140.83	3.17
219	1/8/2021 6:21	1/8/2021 6:23	0:01:40	9.85	22.64	486.42	4.86	26.23	485.99	-140.77	3.23
220	1/8/2021 6:24	1/8/2021 6:31	0:06:50	2.35	28.01	485.87	-18.03	42.97	487.10	-141.68	2.32
221	1/8/2021 6:31	1/8/2021 6:34	0:02:50	-20.44	44.97	487.49	-28.39	52.37	489.02	-142.24	1.76
222	1/8/2021 6:50	1/8/2021 6:53	0:02:51	-50.94	127.24	493.22	-47.73	142.38	491.78	-141.19	2.81
223	1/8/2021 6:54	1/8/2021 6:56	0:01:29	-46.40	146.41	491.24	-43.65	153.13	490.17	-142.22	1.78
224	1/8/2021 6:57	1/8/2021 6:58	0:00:50	-41.58	157.23	489.39	-39.74	160.44	488.72	-142.91	1.09
225	1/8/2021 6:58	1/8/2021 7:08	0:09:39	-37.80	163.47	488.03	-11.14	-170.27	481.36	-141.59	2.41
226	1/8/2021 7:44	1/8/2021 7:44	0:00:21	41.04	-33.74	493.01	40.30	-32.46	492.81	-142.22	1.78
227	1/8/2021 7:45	1/8/2021 7:57	0:12:20	39.17	-30.59	492.52	4.95	2.25	486.03	-140.72	3.28
228	1/8/2021 7:58	1/8/2021 8:05	0:06:50	1.94	4.37	485.89	-18.43	19.37	487.19	-141.36	2.64
229	1/8/2021 8:06	1/8/2021 8:09	0:03:11	-20.36	20.98	487.49	-29.21	29.30	489.21	-142.22	1.78
230	1/8/2021 8:14	1/8/2021 8:14	0:00:09	-40.78	44.76	491.91	-41.15	45.41	492.00	-143.75	0.25
231	1/8/2021 8:14	1/8/2021 8:15	0:00:21	-42.21	47.39	492.25	-42.91	48.76	492.41	-143.55	0.45
232	1/8/2021 8:15	1/8/2021 8:16	0:00:41	-43.91	50.87	492.64	-45.17	53.79	492.93	-143.49	0.51
233	1/8/2021 8:16	1/8/2021 8:16	0:00:09	-46.06	56.07	493.12	-46.34	56.85	493.18	-143.70	0.30
234	1/8/2021 9:25	1/8/2021 9:31	0:06:59	25.03	-37.59	489.12	4.53	-21.38	486.13	-140.66	3.34
235	1/8/2021 9:32	1/8/2021 9:39	0:06:50	2.02	-19.61	486.02	-18.35	-4.62	487.29	-141.02	2.98
236	1/8/2021 9:40	1/8/2021 9:43	0:03:11	-20.76	-2.61	487.67	-29.59	5.77	489.39	-142.27	1.73
237	1/8/2021 9:47	1/8/2021 9:47	0:00:00	-38.44	17.00	491.43	-38.44	17.00	491.43	-143.97	0.03
238	1/8/2021 9:48	1/8/2021 9:48	0:00:20	-40.72	20.72	491.97	-41.44	22.02	492.14	-143.53	0.47
239	1/8/2021 9:48	1/8/2021 9:50	0:02:00	-42.50	24.03	492.39	-46.29	32.79	493.23	-143.43	0.57
240	1/8/2021 10:37	1/8/2021 10:37	0:00:00	44.98	-162.55	491.70	44.98	-162.55	491.70	-143.77	0.23

Table 10 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)
241	1/8/2021 10:38	1/8/2021 10:47	0:09:30	47.00	-157.14	492.56	49.47	-104.12	495.06	-141.56	2.44
242	1/8/2021 11:04	1/8/2021 11:06	0:01:40	9.11	-48.60	486.60	4.12	-45.01	486.22	-140.68	3.32
243	1/8/2021 11:07	1/8/2021 11:14	0:06:50	1.61	-43.24	486.12	-18.75	-28.22	487.50	-141.13	2.87
244	1/8/2021 11:14	1/8/2021 11:17	0:02:10	-21.15	-26.20	487.90	-27.24	-20.58	489.06	-142.47	1.53
245	1/8/2021 11:17	1/8/2021 11:17	0:00:00	-28.61	-19.19	489.35	-28.61	-19.19	489.35	-143.97	0.03
246	1/8/2021 11:54	1/8/2021 12:04	0:10:40	-2.39	124.24	480.46	28.84	149.10	485.54	-141.02	2.98
247	1/8/2021 12:05	1/8/2021 12:05	0:00:39	30.64	151.03	486.12	32.39	153.03	486.71	-142.62	1.38
248	1/8/2021 12:06	1/8/2021 12:07	0:00:31	34.95	156.19	487.61	36.19	157.85	488.06	-143.64	0.36
249	1/8/2021 12:08	1/8/2021 12:10	0:02:01	37.80	160.15	488.66	42.29	167.72	490.40	-143.20	0.80
250	1/8/2021 12:11	1/8/2021 12:11	0:00:00	45.23	174.14	491.61	45.23	174.14	491.61	-143.82	0.18
251	1/8/2021 12:12	1/8/2021 12:22	0:09:20	47.22	179.60	492.46	49.50	-128.19	494.93	-141.90	2.10
252	1/8/2021 12:37	1/8/2021 12:38	0:00:50	12.67	-75.16	487.02	10.19	-73.31	486.73	-141.10	2.90
253	1/8/2021 12:39	1/8/2021 12:40	0:01:29	8.70	-72.22	486.58	4.20	-69.00	486.26	-140.78	3.22
254	1/8/2021 12:41	1/8/2021 12:48	0:06:50	1.19	-66.88	486.15	-19.15	-51.82	487.62	-141.01	2.99
255	1/8/2021 12:49	1/8/2021 12:51	0:02:10	-21.55	-49.78	488.02	-27.62	-44.12	489.19	-142.51	1.49
256	1/8/2021 12:51	1/8/2021 12:52	0:00:41	-28.98	-42.72	489.48	-30.77	-40.80	489.88	-143.60	0.40
257	1/8/2021 13:23	1/8/2021 13:25	0:02:30	-17.39	89.21	482.04	-9.99	94.87	480.90	-141.44	2.56
258	1/8/2021 13:26	1/8/2021 13:38	0:11:30	-7.50	96.69	480.65	26.48	122.79	484.73	-141.08	2.92
259	1/8/2021 13:38	1/8/2021 13:38	0:00:30	27.86	124.16	485.15	29.22	125.57	485.58	-142.54	1.46
260	1/8/2021 13:39	1/8/2021 13:40	0:00:39	31.00	127.51	486.16	32.75	129.53	486.76	-142.46	1.54
261	1/8/2021 13:42	1/8/2021 13:44	0:02:01	37.73	136.12	488.56	42.23	143.68	490.31	-142.85	1.15
262	1/8/2021 13:46	1/8/2021 13:46	0:00:00	45.48	150.84	491.65	45.48	150.84	491.65	-143.87	0.13
263	1/8/2021 13:47	1/8/2021 13:52	0:05:11	47.43	156.35	492.48	51.79	-175.12	494.85	-142.19	1.81
264	1/8/2021 14:39	1/8/2021 14:45	0:05:19	-51.79	-4.87	494.06	-47.18	24.49	491.63	-141.14	2.86
265	1/8/2021 14:45	1/8/2021 14:47	0:01:50	-45.79	28.43	491.05	-42.24	36.35	489.63	-142.04	1.96
266	1/8/2021 14:48	1/8/2021 14:49	0:00:50	-40.81	38.99	489.08	-38.92	42.12	488.37	-143.28	0.72
267	1/8/2021 14:50	1/8/2021 14:55	0:05:00	-36.95	45.08	487.65	-23.70	59.89	483.50	-142.18	1.82
268	1/8/2021 15:06	1/8/2021 15:12	0:05:20	11.47	86.29	481.28	26.86	99.24	484.85	-141.13	2.87
269	1/8/2021 15:12	1/8/2021 15:13	0:00:30	28.24	100.62	485.28	29.59	102.04	485.71	-142.65	1.35
270	1/8/2021 15:14	1/8/2021 15:14	0:00:40	31.37	103.99	486.31	33.11	106.03	486.91	-142.55	1.45
271	1/8/2021 15:16	1/8/2021 15:18	0:02:10	37.66	112.10	488.58	42.51	120.32	490.48	-142.62	1.38
272	1/8/2021 15:21	1/8/2021 15:23	0:02:30	47.39	132.28	492.54	50.48	145.38	494.01	-142.61	1.39
273	1/8/2021 15:33	1/8/2021 15:36	0:02:39	45.03	-161.61	494.12	39.49	-150.74	492.78	-142.18	1.82
274	1/8/2021 15:36	1/8/2021 15:49	0:12:31	38.33	-148.92	492.49	3.37	-116.27	486.40	-140.79	3.21
275	1/8/2021 15:50	1/8/2021 15:56	0:06:59	0.86	-114.50	486.32	-19.94	-99.00	487.93	-141.12	2.88
276	1/8/2021 16:49	1/8/2021 16:49	0:00:00	33.88	83.06	487.14	33.88	83.06	487.14	-143.72	0.28
277	1/8/2021 16:50	1/8/2021 16:52	0:02:01	37.99	88.65	488.66	42.45	96.27	490.42	-142.26	1.74
278	1/8/2021 16:54	1/8/2021 16:54	0:00:09	45.67	103.48	491.77	45.97	104.25	491.90	-143.72	0.28
279	1/8/2021 16:55	1/8/2021 16:58	0:02:30	47.60	109.03	492.61	50.60	122.22	494.07	-142.72	1.28
280	1/8/2021 16:58	1/8/2021 17:08	0:10:09	50.99	125.04	494.30	42.81	179.35	493.64	-141.65	2.35
281	1/8/2021 17:58	1/8/2021 18:08	0:09:49	-36.69	-2.41	487.37	-9.26	23.63	480.65	-141.16	2.84
282	1/8/2021 18:09	1/8/2021 18:18	0:08:59	-6.76	25.43	480.43	20.10	45.24	482.88	-141.60	2.40
283	1/8/2021 18:18	1/8/2021 18:20	0:02:00	21.54	46.47	483.24	27.16	51.68	484.84	-141.22	2.78
284	1/8/2021 18:21	1/8/2021 18:22	0:00:30	28.98	53.54	485.42	30.33	54.98	485.86	-142.61	1.39
285	1/8/2021 18:37	1/8/2021 18:44	0:06:59	50.76	129.07	495.19	39.24	161.80	492.80	-141.58	2.42
286	1/8/2021 18:45	1/8/2021 18:55	0:10:30	38.08	163.61	492.51	9.05	-168.18	486.91	-140.80	3.20
287	1/8/2021 18:56	1/8/2021 18:57	0:01:31	7.55	-167.10	486.78	3.05	-163.89	486.50	-140.62	3.38
288	1/8/2021 18:58	1/8/2021 19:05	0:07:01	0.04	-161.77	486.43	-20.73	-146.19	488.13	-141.47	2.53
289	1/8/2021 19:06	1/8/2021 19:09	0:03:20	-23.11	-144.11	488.55	-32.21	-134.86	490.40	-142.85	1.15
290	1/8/2021 19:12	1/8/2021 19:12	0:00:00	-39.58	-124.76	492.08	-39.58	-124.76	492.08	-143.92	0.08
291	1/8/2021 19:13	1/8/2021 19:13	0:00:30	-41.06	-122.23	492.42	-42.13	-120.24	492.66	-143.20	0.80
292	1/8/2021 19:28	1/8/2021 19:30	0:01:51	-45.35	-42.24	490.69	-41.72	-34.44	489.23	-141.92	2.08
293	1/8/2021 19:31	1/8/2021 19:32	0:01:01	-40.27	-31.85	488.67	-37.96	-28.18	487.81	-143.35	0.65
294	1/8/2021 19:32	1/8/2021 19:42	0:09:50	-36.35	-25.86	487.22	-8.85	0.00	480.56	-141.11	2.89
295	1/8/2021 19:43	1/8/2021 19:52	0:09:00	-6.35	1.80	480.35	20.50	21.65	482.92	-141.51	2.49
296	1/8/2021 19:53	1/8/2021 19:55	0:01:59	21.93	22.89	483.29	27.54	28.13	484.91	-141.26	2.74
297	1/8/2021 19:55	1/8/2021 19:56	0:00:39	29.35	30.01	485.49	31.14	31.95	486.08	-142.50	1.50
298	1/8/2021 19:57	1/8/2021 19:58	0:00:41	33.31	34.50	486.84	35.00	36.63	487.45	-142.87	1.13
299	1/8/2021 19:59	1/8/2021 20:01	0:01:51	38.64	41.79	488.82	42.68	48.86	490.43	-142.66	1.34
300	1/8/2021 20:03	1/8/2021 20:03	0:00:39	45.87	56.13	491.77	46.99	59.27	492.26	-142.68	1.32

Table 10 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)
301	1/8/2021 20:11	1/8/2021 20:18	0:07:49	51.25	101.18	495.16	38.93	138.38	492.70	-141.39	2.61
302	1/8/2021 20:19	1/8/2021 20:31	0:12:29	37.75	140.18	492.41	2.63	172.48	486.48	-140.82	3.18
303	1/8/2021 20:32	1/8/2021 20:40	0:07:01	-0.38	174.59	486.41	-21.13	-169.78	488.19	-141.55	2.45
304	1/8/2021 20:40	1/8/2021 20:42	0:01:31	-23.03	-168.11	488.53	-27.22	-164.16	489.33	-142.88	1.12
305	1/8/2021 20:42	1/8/2021 20:43	0:00:41	-28.59	-162.77	489.61	-30.38	-160.86	489.99	-143.57	0.43
306	1/8/2021 21:11	1/8/2021 21:17	0:06:09	-26.36	-38.31	483.95	-8.43	-23.62	480.47	-141.08	2.92
307	1/8/2021 21:17	1/8/2021 21:27	0:09:10	-6.43	-22.18	480.31	20.90	-1.94	482.98	-141.41	2.59
308	1/8/2021 21:27	1/8/2021 21:29	0:01:59	22.33	-0.69	483.36	27.92	4.59	484.99	-141.29	2.71
309	1/8/2021 21:30	1/8/2021 21:30	0:00:41	29.73	6.48	485.58	31.50	8.44	486.17	-142.39	1.61
310	1/8/2021 21:31	1/8/2021 21:32	0:00:40	34.09	11.53	487.09	35.76	13.71	487.70	-142.65	1.35
311	1/8/2021 21:33	1/8/2021 21:35	0:01:40	39.34	18.98	489.07	42.96	25.51	490.52	-142.69	1.31
312	1/8/2021 21:37	1/8/2021 21:37	0:00:19	45.82	32.07	491.73	46.39	33.62	491.98	-142.43	1.57
313	1/8/2021 21:46	1/8/2021 21:53	0:06:20	50.06	85.52	495.07	38.99	114.36	492.70	-141.27	2.73
314	1/8/2021 21:53	1/8/2021 22:04	0:10:41	37.82	116.15	492.41	8.22	144.57	486.83	-140.83	3.17
315	1/8/2021 22:51	1/8/2021 22:51	0:00:00	-8.01	-47.25	480.35	-8.01	-47.25	480.35	-143.75	0.25
316	1/8/2021 22:52	1/8/2021 23:01	0:09:00	-6.01	-45.81	480.20	20.82	-25.93	482.93	-141.29	2.71
317	1/8/2021 23:01	1/8/2021 23:03	0:02:10	22.25	-24.69	483.30	28.30	-18.95	485.09	-141.29	2.71
318	1/8/2021 23:04	1/8/2021 23:05	0:00:41	30.10	-17.04	485.68	31.87	-15.07	486.29	-142.39	1.61
319	1/8/2021 23:06	1/8/2021 23:06	0:00:41	34.44	-11.94	487.21	36.11	-9.75	487.83	-142.27	1.73
320	1/8/2021 23:08	1/8/2021 23:10	0:02:01	39.66	-4.43	489.20	43.91	3.58	490.94	-142.70	1.30
321	1/8/2021 23:43	1/8/2021 23:48	0:05:30	-5.73	130.52	486.58	-21.92	143.06	488.36	-141.82	2.18
322	1/8/2021 23:49	1/8/2021 23:50	0:01:29	-23.81	144.75	488.70	-27.98	148.76	489.50	-142.69	1.31
323	1/8/2021 23:51	1/8/2021 23:51	0:00:39	-29.33	150.16	489.78	-31.11	152.11	490.16	-143.45	0.55
324	1/8/2021 23:53	1/8/2021 23:53	0:00:10	-35.39	157.32	491.10	-35.81	157.88	491.19	-143.87	0.13
325	1/8/2021 23:56	1/8/2021 23:59	0:02:41	-41.60	166.97	492.49	-46.69	178.58	493.55	-143.17	0.83
326	1/9/2021 0:00	1/9/2021 0:02	0:01:40	-49.32	-172.20	493.98	-50.94	-163.04	494.12	-143.06	0.94
327	1/9/2021 0:02	1/9/2021 0:06	0:03:30	-51.27	-160.18	494.11	-51.35	-139.68	493.39	-142.24	1.76
328	1/9/2021 0:06	1/9/2021 0:08	0:01:21	-51.04	-136.81	493.19	-49.86	-129.38	492.55	-142.62	1.38
329	1/9/2021 0:11	1/9/2021 0:13	0:02:01	-45.20	-113.64	490.48	-41.19	-105.24	488.87	-141.91	2.09
330	1/9/2021 0:14	1/9/2021 0:15	0:01:10	-40.08	-103.32	488.45	-37.37	-99.08	487.44	-143.22	0.78
331	1/9/2021 0:15	1/9/2021 0:25	0:10:10	-36.15	-97.36	487.00	-7.60	-70.87	480.32	-140.95	3.05
332	1/9/2021 0:26	1/9/2021 0:35	0:09:01	-5.59	-69.44	480.18	21.22	-49.51	483.04	-141.17	2.83
333	1/9/2021 0:36	1/9/2021 0:38	0:02:10	22.65	-48.26	483.42	28.68	-42.48	485.23	-141.28	2.72
334	1/9/2021 0:38	1/9/2021 0:39	0:00:40	30.47	-40.57	485.83	32.23	-38.57	486.44	-142.47	1.53
335	1/9/2021 0:40	1/9/2021 0:41	0:00:41	34.79	-35.42	487.37	36.45	-33.21	487.99	-142.22	1.78
336	1/9/2021 1:22	1/9/2021 1:23	0:00:50	-19.93	117.42	488.04	-22.32	119.48	488.44	-142.95	1.05
337	1/9/2021 1:23	1/9/2021 1:25	0:01:31	-24.20	121.18	488.78	-28.36	125.22	489.60	-142.52	1.48
338	1/9/2021 1:25	1/9/2021 1:26	0:00:39	-29.71	126.64	489.88	-31.48	128.59	490.26	-143.29	0.71
339	1/9/2021 1:27	1/9/2021 1:28	0:00:11	-35.74	133.86	491.21	-36.15	134.41	491.30	-143.93	0.07
340	1/9/2021 1:30	1/9/2021 1:33	0:02:40	-41.89	143.60	492.60	-46.92	155.32	493.65	-143.20	0.80
341	1/9/2021 1:35	1/9/2021 1:36	0:01:40	-49.28	163.72	494.05	-50.92	172.87	494.20	-143.11	0.89
342	1/9/2021 1:37	1/9/2021 1:44	0:07:40	-51.34	176.69	494.19	-46.42	-140.77	491.11	-141.19	2.81
343	1/9/2021 1:45	1/9/2021 1:47	0:02:01	-44.95	-136.95	490.50	-40.88	-128.63	488.88	-141.85	2.15
344	1/9/2021 1:48	1/9/2021 1:49	0:01:11	-39.77	-126.73	488.46	-37.03	-122.53	487.45	-143.06	0.94
345	1/9/2021 1:49	1/9/2021 2:00	0:10:01	-35.81	-120.83	487.01	-7.68	-94.87	480.45	-141.04	2.96
346	1/9/2021 2:00	1/9/2021 2:05	0:04:40	-5.18	-93.07	480.28	8.88	-83.11	480.76	-141.69	2.31
347	1/9/2021 2:26	1/9/2021 2:43	0:17:00	51.77	-2.97	495.10	18.32	65.07	488.12	-141.05	2.95
348	1/9/2021 2:53	1/9/2021 2:57	0:04:19	-10.55	86.15	486.80	-23.18	96.32	488.55	-142.25	1.75
349	1/9/2021 2:57	1/9/2021 3:00	0:02:41	-24.59	97.61	488.82	-31.84	105.08	490.34	-142.45	1.55
350	1/9/2021 3:02	1/9/2021 3:02	0:00:00	-36.08	110.39	491.31	-36.08	110.39	491.31	-144.00	0.00
351	1/9/2021 3:04	1/9/2021 3:07	0:02:50	-41.83	119.55	492.64	-47.14	132.05	493.78	-143.26	0.74
352	1/9/2021 3:09	1/9/2021 3:11	0:01:40	-49.45	140.52	494.18	-51.01	149.72	494.33	-143.16	0.84
353	1/9/2021 3:20	1/9/2021 3:23	0:02:51	-43.40	-157.40	490.07	-37.10	-146.56	487.68	-141.79	2.21
354	1/9/2021 3:24	1/9/2021 3:34	0:10:01	-35.47	-144.30	487.09	-7.27	-118.50	480.58	-141.10	2.90
355	1/9/2021 3:35	1/9/2021 3:42	0:06:50	-4.77	-116.71	480.41	15.72	-101.89	481.94	-141.66	2.34
356	1/9/2021 4:55	1/9/2021 4:58	0:03:00	-43.45	178.56	490.08	-36.77	-170.01	487.56	-141.85	2.15
357	1/9/2021 4:58	1/9/2021 5:08	0:10:10	-35.54	-168.32	487.13	-6.86	-142.13	480.57	-141.10	2.90
358	1/9/2021 5:09	1/9/2021 5:09	0:00:39	-4.85	-140.70	480.44	-2.85	-139.28	480.36	-142.08	1.92
359	1/9/2021 5:46	1/9/2021 5:55	0:09:11	33.22	2.67	491.10	7.15	25.70	486.51	-140.79	3.21
360	1/9/2021 5:56	1/9/2021 5:57	0:01:40	5.65	26.77	486.40	0.63	30.32	486.21	-141.32	2.68

Table 10 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)
361	1/9/2021 5:58	1/9/2021 6:06	0:07:30	-1.88	32.08	486.20	-23.96	49.17	488.54	-140.94	3.06
362	1/9/2021 6:06	1/9/2021 6:08	0:02:10	-25.36	50.48	488.82	-31.25	56.55	490.07	-142.56	1.44
363	1/9/2021 6:24	1/9/2021 6:27	0:03:20	-50.47	131.53	493.05	-46.00	148.60	491.05	-141.06	2.94
364	1/9/2021 6:28	1/9/2021 6:32	0:03:39	-44.49	152.36	490.43	-36.43	166.54	487.38	-141.79	2.21
365	1/9/2021 6:32	1/9/2021 6:41	0:09:01	-35.20	168.21	486.95	-9.94	-168.29	480.81	-141.69	2.31
366	1/9/2021 7:16	1/9/2021 7:30	0:13:01	41.96	-34.33	493.26	6.73	2.07	486.50	-140.76	3.24
367	1/9/2021 7:30	1/9/2021 7:32	0:01:40	5.23	3.15	486.40	0.22	6.68	486.23	-141.29	2.71
368	1/9/2021 7:32	1/9/2021 7:43	0:10:40	-2.29	8.45	486.23	-32.92	34.57	490.44	-141.03	2.97
369	1/9/2021 7:47	1/9/2021 7:50	0:02:49	-42.36	48.77	492.63	-47.53	61.48	493.72	-143.49	0.51
370	1/9/2021 7:57	1/9/2021 8:02	0:04:20	-51.14	102.74	493.36	-45.76	125.32	490.87	-140.91	3.09
371	1/9/2021 8:02	1/9/2021 8:06	0:03:50	-44.54	128.31	490.37	-36.09	143.08	487.16	-141.79	2.21
372	1/9/2021 8:07	1/9/2021 8:17	0:09:59	-34.85	144.74	486.73	-6.52	170.26	480.41	-141.20	2.80
373	1/9/2021 8:17	1/9/2021 8:20	0:02:40	-4.02	172.05	480.27	4.03	177.71	480.35	-142.08	1.92
374	1/9/2021 8:57	1/9/2021 9:04	0:06:50	26.22	-37.63	489.58	6.32	-21.55	486.59	-140.79	3.21
375	1/9/2021 9:04	1/9/2021 9:06	0:01:40	4.82	-20.48	486.50	-0.20	-16.95	486.34	-141.27	2.73
376	1/9/2021 9:07	1/9/2021 9:17	0:10:40	-2.71	-15.18	486.35	-33.28	11.08	490.61	-141.00	3.00
377	1/9/2021 9:22	1/9/2021 9:24	0:02:30	-42.65	25.41	492.76	-47.23	36.61	493.71	-143.65	0.35
378	1/9/2021 9:42	1/9/2021 9:51	0:08:50	-31.49	124.89	485.53	-6.11	146.63	480.29	-141.25	2.75
379	1/9/2021 9:52	1/9/2021 9:54	0:02:19	-4.10	148.06	480.18	2.94	153.02	480.20	-142.00	2.00
380	1/9/2021 10:36	1/9/2021 10:38	0:01:40	10.88	-48.80	487.10	5.90	-45.18	486.68	-140.81	3.19
381	1/9/2021 10:39	1/9/2021 10:40	0:01:39	4.40	-44.11	486.59	-0.62	-40.58	486.47	-141.29	2.71
382	1/9/2021 10:41	1/9/2021 10:52	0:10:50	-3.13	-38.81	486.49	-34.06	-11.89	490.96	-140.92	3.08
383	1/9/2021 10:56	1/9/2021 10:57	0:00:51	-42.93	2.06	492.99	-44.57	5.61	493.34	-143.78	0.22
384	1/9/2021 11:33	1/9/2021 11:35	0:02:10	17.26	139.71	481.94	23.50	145.02	483.46	-141.61	2.39
385	1/9/2021 11:36	1/9/2021 11:39	0:03:09	24.91	146.31	483.85	33.44	155.39	486.61	-140.57	3.43
386	1/9/2021 11:40	1/9/2021 11:42	0:01:31	36.77	159.77	487.83	40.28	165.18	489.18	-141.99	2.01
387	1/9/2021 11:42	1/9/2021 11:43	0:00:41	41.38	167.12	489.62	42.78	169.81	490.19	-142.95	1.05
388	1/9/2021 11:45	1/9/2021 11:48	0:03:00	45.96	177.10	491.54	50.13	-167.70	493.49	-142.42	1.58
389	1/9/2021 11:48	1/9/2021 11:54	0:05:59	50.59	-164.93	493.74	50.14	-130.29	494.90	-142.13	1.87
390	1/9/2021 11:57	1/9/2021 12:12	0:15:29	46.27	-115.86	494.24	5.98	-69.17	486.71	-140.83	3.17
391	1/9/2021 12:13	1/9/2021 12:14	0:01:40	4.48	-68.10	486.63	-0.54	-64.56	486.51	-141.41	2.59
392	1/9/2021 12:16	1/9/2021 12:26	0:10:49	-3.55	-62.44	486.55	-34.41	-35.37	491.10	-140.84	3.16
393	1/9/2021 12:58	1/9/2021 13:00	0:01:40	-10.27	95.76	480.53	-5.28	99.37	480.07	-141.30	2.70
394	1/9/2021 13:00	1/9/2021 13:02	0:01:20	-3.27	100.80	479.97	0.76	103.63	479.93	-142.00	2.00
395	1/9/2021 13:02	1/9/2021 13:10	0:07:20	2.26	104.69	479.97	23.89	121.45	483.48	-141.65	2.35
396	1/9/2021 13:10	1/9/2021 13:11	0:01:20	25.30	122.75	483.88	28.97	126.41	485.00	-140.90	3.10
397	1/9/2021 13:30	1/9/2021 13:47	0:16:10	47.14	-142.30	494.37	5.56	-92.79	486.75	-140.79	3.21
398	1/9/2021 13:47	1/9/2021 13:49	0:01:40	4.06	-91.73	486.67	-0.96	-88.19	486.58	-141.62	2.38
399	1/9/2021 13:50	1/9/2021 13:50	0:00:50	-3.47	-86.43	486.62	-5.97	-84.65	486.72	-141.32	2.68
400	1/9/2021 14:12	1/9/2021 14:19	0:06:11	-51.77	-2.36	494.15	-45.36	30.62	490.83	-140.67	3.33
401	1/9/2021 14:20	1/9/2021 14:23	0:03:39	-43.79	34.28	490.17	-35.55	48.11	486.98	-141.89	2.11
402	1/9/2021 14:24	1/9/2021 14:29	0:05:20	-33.87	50.28	486.38	-19.20	64.90	482.09	-142.20	1.80
403	1/9/2021 14:39	1/9/2021 14:44	0:05:00	9.70	86.08	480.55	24.28	97.88	483.59	-141.71	2.29
404	1/9/2021 14:44	1/9/2021 14:47	0:03:00	25.68	99.20	484.00	33.72	107.89	486.65	-140.78	3.22
405	1/9/2021 14:49	1/9/2021 14:51	0:02:49	37.04	112.30	487.88	43.35	123.12	490.41	-142.07	1.93
406	1/9/2021 14:53	1/9/2021 14:56	0:02:51	46.43	130.54	491.74	50.24	145.06	493.57	-142.52	1.48
407	1/9/2021 14:57	1/9/2021 14:57	0:00:41	50.82	148.78	493.90	51.27	152.58	494.19	-143.29	0.71
408	1/9/2021 15:07	1/9/2021 15:21	0:13:51	42.59	-155.19	493.54	5.15	-116.43	486.84	-140.80	3.20
409	1/9/2021 15:22	1/9/2021 15:23	0:01:40	3.65	-115.36	486.77	-1.37	-111.83	486.69	-141.59	2.41
410	1/9/2021 15:24	1/9/2021 15:27	0:03:20	-3.88	-110.06	486.74	-13.83	-102.79	487.49	-140.75	3.25
411	1/9/2021 15:28	1/9/2021 15:29	0:01:20	-15.31	-101.65	487.67	-19.20	-98.53	488.23	-142.78	1.22
412	1/9/2021 17:00	1/9/2021 17:02	0:02:10	-7.80	-131.19	486.98	-14.24	-126.41	487.57	-140.74	3.26
413	1/9/2021 17:02	1/9/2021 17:09	0:06:20	-15.71	-125.26	487.75	-33.34	-108.48	491.01	-142.18	1.82
414	1/9/2021 17:33	1/9/2021 17:45	0:11:11	-30.98	5.83	485.22	1.50	32.38	479.79	-141.34	2.66
415	1/9/2021 17:45	1/9/2021 17:52	0:07:19	3.01	33.44	479.84	24.59	50.31	483.57	-141.67	2.33
416	1/9/2021 17:53	1/9/2021 17:54	0:01:20	26.45	52.08	484.12	30.08	55.82	485.29	-141.28	2.72
417	1/9/2021 18:11	1/9/2021 18:21	0:10:30	50.41	132.46	495.01	29.41	175.58	490.56	-141.24	2.76
418	1/9/2021 19:02	1/9/2021 19:04	0:01:30	-43.30	-36.45	489.79	-40.10	-30.47	488.50	-141.92	2.08
419	1/9/2021 19:04	1/9/2021 19:06	0:01:31	-38.57	-28.00	487.90	-34.93	-22.85	486.55	-142.51	1.49
420	1/9/2021 19:07	1/9/2021 19:19	0:12:00	-32.80	-20.20	485.80	1.92	8.74	479.75	-141.37	2.63

Table 10 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)
421	1/9/2021 19:19	1/9/2021 19:19	0:00:10	3.43	9.81	479.81	3.93	10.16	479.84	-143.69	0.31
422	1/9/2021 19:20	1/9/2021 19:27	0:06:39	5.44	11.23	479.94	24.98	26.75	483.64	-141.68	2.32
423	1/9/2021 19:27	1/9/2021 19:30	0:03:01	26.37	28.08	484.05	34.36	36.90	486.74	-141.09	2.91
424	1/9/2021 19:32	1/9/2021 19:35	0:03:09	37.64	41.38	487.98	44.48	53.83	490.77	-142.21	1.79
425	1/9/2021 19:36	1/9/2021 19:36	0:00:20	46.84	59.94	491.81	47.37	61.55	492.06	-142.92	1.08
426	1/9/2021 19:44	1/9/2021 20:04	0:20:00	51.09	103.69	494.98	4.40	172.33	486.91	-140.86	3.14
427	1/9/2021 20:04	1/9/2021 20:06	0:01:40	2.40	173.74	486.84	-2.62	177.27	486.81	-141.59	2.41
428	1/9/2021 20:07	1/9/2021 20:10	0:03:11	-5.13	179.05	486.88	-14.57	-174.01	487.66	-140.88	3.12
429	1/9/2021 20:11	1/9/2021 20:15	0:03:50	-16.52	-172.48	487.92	-27.43	-162.84	489.79	-142.18	1.82
430	1/9/2021 20:15	1/9/2021 20:17	0:01:59	-28.79	-161.45	490.07	-34.05	-155.46	491.21	-142.88	1.12
431	1/9/2021 20:43	1/9/2021 20:53	0:10:10	-27.99	-38.83	484.18	1.84	-15.24	479.71	-141.32	2.68
432	1/9/2021 20:54	1/9/2021 20:54	0:00:11	3.85	-13.82	479.79	4.35	-13.47	479.82	-143.70	0.30
433	1/9/2021 20:54	1/9/2021 21:01	0:06:40	5.86	-12.40	479.93	25.37	3.19	483.71	-141.70	2.30
434	1/9/2021 21:02	1/9/2021 21:05	0:03:00	26.76	4.53	484.13	34.71	13.42	486.84	-141.27	2.73
435	1/9/2021 21:06	1/9/2021 21:09	0:03:20	37.97	17.95	488.08	45.06	31.26	491.00	-142.29	1.71
436	1/9/2021 21:10	1/9/2021 21:11	0:00:30	46.52	35.09	491.65	47.33	37.49	492.01	-142.76	1.24
437	1/9/2021 21:19	1/9/2021 21:38	0:19:19	50.46	84.30	494.94	3.99	148.70	486.90	-140.83	3.17
438	1/9/2021 21:39	1/9/2021 21:41	0:01:40	1.98	150.11	486.83	-3.04	153.64	486.82	-141.71	2.29
439	1/9/2021 21:41	1/9/2021 21:43	0:01:31	-5.04	155.06	486.89	-9.54	158.30	487.16	-140.95	3.05
440	1/9/2021 22:24	1/9/2021 22:27	0:03:41	-8.78	-46.70	480.03	2.26	-38.87	479.65	-141.24	2.76
441	1/9/2021 22:28	1/9/2021 22:28	0:00:11	4.27	-37.45	479.75	4.77	-37.09	479.78	-143.74	0.26
442	1/9/2021 22:29	1/9/2021 22:35	0:06:41	6.28	-36.02	479.90	25.76	-20.36	483.80	-141.75	2.25
443	1/9/2021 22:36	1/9/2021 22:39	0:02:50	27.14	-19.01	484.23	34.64	-10.59	486.81	-141.47	2.53
444	1/9/2021 22:40	1/9/2021 22:44	0:03:30	37.91	-6.07	488.05	45.31	7.96	491.13	-142.37	1.63
445	1/9/2021 23:22	1/9/2021 23:23	0:01:20	-24.50	146.48	489.24	-28.19	150.08	489.96	-143.08	0.92
446	1/9/2021 23:24	1/9/2021 23:27	0:03:09	-29.54	151.49	490.24	-37.61	161.52	491.98	-142.96	1.04
447	1/9/2021 23:30	1/9/2021 23:30	0:00:21	-43.81	172.51	493.31	-44.46	173.95	493.44	-143.82	0.18
448	1/9/2021 23:32	1/9/2021 23:32	0:00:20	-47.35	-178.34	493.97	-47.86	-176.70	494.05	-143.81	0.19
449	1/9/2021 23:33	1/9/2021 23:34	0:00:29	-49.21	-171.57	494.24	-49.79	-168.91	494.30	-143.77	0.23
450	1/9/2021 23:34	1/9/2021 23:40	0:05:40	-50.60	-164.33	494.35	-50.45	-131.52	492.94	-142.81	1.19
451	1/9/2021 23:43	1/9/2021 23:43	0:00:00	-46.80	-116.83	491.15	-46.80	-116.83	491.15	-143.48	0.52
452	1/9/2021 23:43	1/9/2021 23:47	0:03:11	-45.96	-114.47	490.78	-39.53	-101.30	488.13	-141.46	2.54
453	1/9/2021 23:47	1/9/2021 23:49	0:01:31	-37.98	-98.88	487.53	-34.29	-93.82	486.17	-142.38	1.62
454	1/9/2021 23:50	1/10/2021 0:02	0:11:59	-32.15	-91.21	485.43	2.68	-62.50	479.67	-141.20	2.80
455	1/10/2021 0:02	1/10/2021 0:02	0:00:09	4.69	-61.08	479.78	5.19	-60.72	479.81	-143.81	0.19
456	1/10/2021 0:03	1/10/2021 0:13	0:10:01	6.70	-59.65	479.94	34.99	-34.06	486.96	-141.69	2.31
457	1/10/2021 0:14	1/10/2021 0:15	0:00:50	38.24	-29.50	488.21	40.15	-26.43	488.98	-142.51	1.49
458	1/10/2021 0:41	1/10/2021 0:47	0:05:30	19.93	88.77	488.75	3.65	101.08	486.96	-140.85	3.15
459	1/10/2021 0:47	1/10/2021 0:49	0:01:40	1.64	102.50	486.89	-3.38	106.03	486.90	-141.72	2.28
460	1/10/2021 0:50	1/10/2021 0:53	0:03:19	-5.88	107.80	486.99	-15.79	115.17	487.87	-140.71	3.29
461	1/10/2021 0:54	1/10/2021 0:58	0:03:50	-17.26	116.33	488.07	-28.12	126.07	489.96	-142.36	1.64
462	1/10/2021 0:58	1/10/2021 1:01	0:03:20	-29.47	127.49	490.24	-37.94	138.09	492.09	-143.00	1.00
463	1/10/2021 1:04	1/10/2021 1:04	0:00:29	-43.76	148.47	493.35	-44.72	150.64	493.54	-143.74	0.26
464	1/10/2021 1:05	1/10/2021 1:05	0:00:00	-46.50	155.20	493.88	-46.50	155.20	493.88	-144.00	0.00
465	1/10/2021 1:06	1/10/2021 1:07	0:00:30	-47.31	157.60	494.02	-48.06	160.07	494.14	-143.80	0.20
466	1/10/2021 1:07	1/10/2021 1:08	0:00:30	-49.17	164.36	494.30	-49.76	167.02	494.37	-143.79	0.21
467	1/10/2021 1:09	1/10/2021 1:13	0:04:40	-50.72	172.53	494.43	-51.12	-160.31	493.45	-142.84	1.16
468	1/10/2021 1:29	1/10/2021 1:36	0:06:39	-16.85	-100.68	481.37	3.10	-86.13	479.80	-141.24	2.76
469	1/10/2021 1:37	1/10/2021 1:37	0:00:09	5.11	-84.71	479.92	5.61	-84.35	479.95	-143.76	0.24
470	1/10/2021 1:37	1/10/2021 1:38	0:00:31	7.11	-83.28	480.09	8.61	-82.19	480.24	-142.67	1.33
471	1/10/2021 2:00	1/10/2021 2:15	0:15:50	51.64	1.55	494.96	20.01	64.77	488.67	-141.73	2.27
472	1/10/2021 2:25	1/10/2021 2:27	0:02:19	-8.80	85.97	487.07	-15.71	91.18	487.79	-140.71	3.29
473	1/10/2021 2:28	1/10/2021 2:32	0:03:50	-17.66	92.73	488.06	-28.49	102.53	490.03	-142.39	1.61
474	1/10/2021 2:32	1/10/2021 2:36	0:03:20	-29.84	103.96	490.31	-38.27	114.65	492.20	-143.04	0.96
475	1/10/2021 2:38	1/10/2021 2:39	0:00:30	-44.03	125.13	493.47	-44.98	127.32	493.67	-143.68	0.32
476	1/10/2021 2:40	1/10/2021 2:41	0:01:01	-46.45	131.14	493.96	-48.02	136.00	494.24	-143.77	0.23
477	1/10/2021 2:42	1/10/2021 2:42	0:00:29	-49.34	141.16	494.43	-49.91	143.84	494.50	-143.76	0.24
478	1/10/2021 2:43	1/10/2021 2:44	0:01:09	-50.83	149.38	494.56	-51.52	156.08	494.51	-142.87	1.13
479	1/10/2021 2:55	1/10/2021 2:55	0:00:39	-40.41	-150.63	488.80	-38.89	-148.14	488.21	-142.87	1.13
480	1/10/2021 2:56	1/10/2021 2:57	0:01:40	-37.71	-146.35	487.76	-33.59	-140.79	486.26	-141.99	2.01

Table 10 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)
481	1/10/2021 2:58	1/10/2021 3:10	0:12:09	-31.86	-138.73	485.66	3.51	-109.77	479.95	-141.31	2.69
482	1/10/2021 3:11	1/10/2021 3:11	0:00:00	5.52	-108.35	480.07	5.52	-108.35	480.07	-143.71	0.29
483	1/10/2021 3:11	1/10/2021 3:14	0:02:41	7.03	-107.27	480.19	14.97	-101.36	481.30	-141.71	2.29
484	1/10/2021 4:07	1/10/2021 4:10	0:02:49	-31.98	82.41	490.69	-38.98	91.83	492.29	-143.05	0.95
485	1/10/2021 4:13	1/10/2021 4:13	0:00:40	-43.98	101.09	493.40	-45.23	104.02	493.67	-143.69	0.31
486	1/10/2021 4:14	1/10/2021 4:15	0:01:01	-46.68	107.87	493.95	-48.22	112.78	494.22	-143.74	0.26
487	1/10/2021 4:16	1/10/2021 4:16	0:00:21	-49.51	117.97	494.41	-49.88	119.76	494.45	-143.75	0.25
488	1/10/2021 4:18	1/10/2021 4:22	0:04:40	-50.93	126.24	494.52	-50.93	153.42	493.48	-142.87	1.13
489	1/10/2021 4:23	1/10/2021 4:26	0:03:00	-50.37	157.16	493.16	-46.39	172.57	491.28	-142.61	1.39
490	1/10/2021 4:26	1/10/2021 4:30	0:03:10	-45.52	174.89	490.90	-38.96	-172.17	488.25	-141.92	2.08
491	1/10/2021 4:30	1/10/2021 4:32	0:01:29	-37.38	-169.79	487.65	-33.66	-164.81	486.30	-142.13	1.87
492	1/10/2021 4:32	1/10/2021 4:44	0:12:00	-31.50	-162.24	485.56	3.43	-133.76	479.97	-141.26	2.74
493	1/10/2021 4:45	1/10/2021 4:45	0:00:09	5.44	-132.33	480.09	5.94	-131.97	480.13	-143.66	0.34
494	1/10/2021 4:46	1/10/2021 4:56	0:10:10	7.44	-130.90	480.26	36.02	-104.47	487.39	-141.52	2.48
495	1/10/2021 5:22	1/10/2021 5:30	0:08:00	25.84	11.69	489.56	2.39	30.18	486.61	-140.85	3.15
496	1/10/2021 5:30	1/10/2021 5:32	0:01:40	0.39	31.59	486.57	-4.63	35.13	486.65	-141.73	2.27
497	1/10/2021 5:33	1/10/2021 5:36	0:03:29	-6.63	36.56	486.74	-17.01	44.35	487.80	-140.79	3.21
498	1/10/2021 5:37	1/10/2021 5:40	0:03:50	-18.47	45.53	488.02	-29.25	55.46	490.04	-142.34	1.66
499	1/10/2021 5:47	1/10/2021 5:47	0:00:00	-45.19	79.97	493.60	-45.19	79.97	493.60	-143.87	0.13
500	1/10/2021 5:48	1/10/2021 5:49	0:01:10	-46.64	83.81	493.88	-48.41	89.55	494.19	-143.75	0.25
501	1/10/2021 5:50	1/10/2021 5:51	0:00:20	-49.67	94.79	494.37	-50.03	96.59	494.41	-143.83	0.17
502	1/10/2021 5:52	1/10/2021 5:56	0:04:40	-50.91	102.16	494.46	-50.95	129.34	493.42	-142.90	1.10
503	1/10/2021 5:57	1/10/2021 6:00	0:02:50	-50.24	134.00	493.02	-46.44	148.52	491.23	-142.68	1.32
504	1/10/2021 6:01	1/10/2021 6:04	0:03:09	-45.27	151.59	490.73	-38.63	164.41	488.06	-142.00	2.00
505	1/10/2021 6:04	1/10/2021 6:06	0:01:40	-37.45	166.19	487.62	-33.30	171.71	486.12	-142.22	1.78
506	1/10/2021 6:07	1/10/2021 6:19	0:12:10	-31.57	173.75	485.53	3.85	-157.38	479.95	-141.16	2.84
507	1/10/2021 6:19	1/10/2021 6:20	0:00:10	5.86	-155.96	480.08	6.36	-155.60	480.12	-143.60	0.40
508	1/10/2021 6:20	1/10/2021 6:30	0:10:10	7.86	-154.52	480.26	36.37	-127.93	487.48	-141.47	2.53
509	1/10/2021 6:31	1/10/2021 6:33	0:01:31	39.14	-123.81	488.55	42.44	-118.00	489.87	-142.58	1.42
510	1/10/2021 6:33	1/10/2021 6:36	0:02:21	43.46	-115.92	490.29	47.59	-105.25	492.09	-141.96	2.04
511	1/10/2021 6:49	1/10/2021 7:04	0:14:41	42.13	-33.56	493.29	1.97	6.55	486.62	-140.88	3.12
512	1/10/2021 7:04	1/10/2021 7:06	0:01:40	0.47	7.61	486.59	-4.55	11.15	486.66	-141.83	2.17
513	1/10/2021 7:07	1/10/2021 7:10	0:03:29	-7.05	12.93	486.79	-17.42	20.75	487.87	-140.88	3.12
514	1/10/2021 7:11	1/10/2021 7:15	0:03:50	-18.88	21.94	488.09	-29.62	31.94	490.12	-142.33	1.67
515	1/10/2021 7:15	1/10/2021 7:17	0:01:40	-30.96	33.40	490.41	-35.24	38.59	491.37	-143.02	0.98
516	1/10/2021 7:18	1/10/2021 7:19	0:01:20	-36.48	40.26	491.65	-39.62	45.01	492.37	-143.07	0.93
517	1/10/2021 7:21	1/10/2021 7:22	0:00:40	-44.20	53.72	493.38	-45.44	56.67	493.63	-143.61	0.39
518	1/10/2021 7:23	1/10/2021 7:23	0:00:10	-46.87	60.55	493.90	-47.13	61.36	493.95	-143.74	0.26
519	1/10/2021 7:30	1/10/2021 7:31	0:00:11	-50.97	105.26	493.38	-50.85	106.20	493.30	-143.55	0.45
520	1/10/2021 7:32	1/10/2021 7:34	0:02:49	-50.10	110.84	492.89	-46.20	125.25	491.05	-142.69	1.31
521	1/10/2021 7:35	1/10/2021 7:38	0:03:19	-45.32	127.55	490.67	-38.31	140.99	487.85	-141.91	2.09
522	1/10/2021 7:39	1/10/2021 7:40	0:01:39	-37.11	142.75	487.40	-32.94	148.22	485.90	-141.83	2.17
523	1/10/2021 7:41	1/10/2021 7:52	0:11:30	-31.20	150.25	485.31	2.26	177.57	479.81	-141.07	2.93
524	1/10/2021 8:29	1/10/2021 8:38	0:08:41	27.37	-37.65	489.99	2.06	-17.43	486.74	-140.92	3.08
525	1/10/2021 8:39	1/10/2021 8:40	0:01:40	0.05	-16.02	486.71	-4.97	-12.48	486.80	-141.87	2.13
526	1/10/2021 8:41	1/10/2021 8:45	0:03:30	-7.47	-10.69	486.93	-17.83	-2.84	488.04	-140.98	3.02
527	1/10/2021 8:45	1/10/2021 8:49	0:03:50	-19.28	-1.65	488.26	-30.00	8.42	490.29	-142.32	1.68
528	1/10/2021 8:50	1/10/2021 8:51	0:01:40	-31.32	9.89	490.58	-35.59	15.13	491.53	-143.00	1.00
529	1/10/2021 8:52	1/10/2021 8:53	0:01:19	-36.82	16.81	491.80	-39.94	21.60	492.51	-143.08	0.92
530	1/10/2021 8:55	1/10/2021 8:56	0:00:50	-44.14	29.67	493.42	-45.69	33.38	493.73	-143.62	0.38
531	1/10/2021 8:57	1/10/2021 8:57	0:00:30	-46.82	36.50	493.94	-47.61	38.93	494.08	-143.71	0.29
532	1/10/2021 9:06	1/10/2021 9:09	0:03:00	-50.13	86.77	492.89	-45.96	101.97	490.92	-142.73	1.27
533	1/10/2021 9:09	1/10/2021 9:12	0:03:09	-45.06	104.25	490.53	-38.37	116.97	487.82	-141.89	2.11
534	1/10/2021 9:13	1/10/2021 9:14	0:01:29	-36.78	119.31	487.21	-33.01	124.21	485.86	-141.81	2.19
535	1/10/2021 9:15	1/10/2021 9:28	0:12:11	-30.83	126.73	485.11	4.69	155.36	479.84	-141.02	2.98
536	1/10/2021 9:28	1/10/2021 9:39	0:10:40	6.70	156.79	479.99	36.64	-175.39	487.51	-141.16	2.84
537	1/10/2021 9:40	1/10/2021 9:42	0:01:11	40.16	-169.99	488.88	42.67	-165.38	489.92	-142.51	1.49
538	1/10/2021 9:42	1/10/2021 9:46	0:03:50	44.33	-161.86	490.62	50.07	-142.96	493.31	-142.04	1.96
539	1/10/2021 9:47	1/10/2021 9:48	0:00:19	51.06	-136.44	493.89	51.27	-134.53	494.04	-143.28	0.72
540	1/10/2021 9:48	1/10/2021 9:53	0:04:20	51.52	-131.63	494.23	50.36	-106.48	494.89	-142.05	1.95

Table 10 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)
541	1/10/2021 10:09	1/10/2021 10:13	0:03:30	12.12	-48.61	487.53	1.64	-41.06	486.85	-140.93	3.07
542	1/10/2021 10:13	1/10/2021 10:15	0:01:39	-0.37	-39.65	486.83	-5.39	-36.11	486.95	-141.84	2.16
543	1/10/2021 10:16	1/10/2021 10:19	0:03:31	-7.89	-34.32	487.09	-18.23	-26.44	488.25	-140.87	3.13
544	1/10/2021 10:20	1/10/2021 10:26	0:06:00	-19.68	-25.24	488.48	-35.93	-8.33	491.77	-142.27	1.73
545	1/10/2021 10:26	1/10/2021 10:27	0:01:11	-37.15	-6.63	492.05	-39.88	-2.43	492.66	-143.10	0.90
546	1/10/2021 10:30	1/10/2021 10:30	0:00:40	-44.41	6.35	493.64	-45.64	9.33	493.88	-143.58	0.42
547	1/10/2021 10:31	1/10/2021 10:32	0:01:09	-47.05	13.24	494.14	-48.75	19.06	494.41	-143.61	0.39
548	1/10/2021 10:33	1/10/2021 10:33	0:00:00	-50.11	25.27	494.57	-50.11	25.27	494.57	-143.98	0.02
549	1/10/2021 10:35	1/10/2021 10:39	0:04:31	-51.20	32.76	494.59	-50.76	58.98	493.37	-142.71	1.29
550	1/10/2021 10:40	1/10/2021 10:42	0:02:10	-49.99	63.60	492.93	-47.12	74.76	491.53	-142.79	1.21
551	1/10/2021 11:12	1/10/2021 11:13	0:01:31	33.23	156.24	486.06	36.98	161.16	487.45	-141.16	2.84
552	1/10/2021 11:15	1/10/2021 11:16	0:01:10	40.47	166.61	488.82	42.96	171.27	489.85	-142.47	1.53
553	1/10/2021 11:17	1/10/2021 11:20	0:03:41	44.60	174.83	490.55	50.05	-167.04	493.12	-142.03	1.97
554	1/10/2021 11:21	1/10/2021 11:22	0:00:20	51.05	-160.52	493.71	51.26	-158.61	493.85	-143.20	0.80
555	1/10/2021 11:22	1/10/2021 11:26	0:04:10	51.51	-155.71	494.05	50.53	-131.48	494.76	-141.73	2.27
556	1/10/2021 11:29	1/10/2021 11:47	0:17:29	46.96	-116.72	494.30	1.21	-64.69	486.88	-140.94	3.06
557	1/10/2021 11:48	1/10/2021 11:49	0:01:40	-0.79	-63.28	486.87	-5.81	-59.73	487.02	-141.81	2.19
558	1/10/2021 11:50	1/10/2021 11:54	0:03:30	-8.31	-57.94	487.18	-18.64	-50.03	488.38	-140.79	3.21
559	1/10/2021 11:54	1/10/2021 12:02	0:07:40	-20.09	-48.83	488.61	-40.19	-25.83	492.80	-142.17	1.83
560	1/10/2021 12:28	1/10/2021 12:36	0:08:39	-20.32	88.99	482.03	5.53	108.11	479.69	-141.15	2.85
561	1/10/2021 12:37	1/10/2021 12:47	0:10:39	7.53	109.54	479.85	37.32	137.72	487.48	-140.91	3.09
562	1/10/2021 12:49	1/10/2021 12:50	0:01:09	40.78	143.23	488.85	43.24	147.92	489.87	-142.41	1.59
563	1/10/2021 12:51	1/10/2021 12:52	0:00:39	45.17	152.27	490.70	46.34	155.33	491.22	-143.60	0.40
564	1/10/2021 12:52	1/10/2021 12:55	0:02:11	47.16	157.71	491.59	50.02	168.89	493.00	-142.03	1.97
565	1/10/2021 12:56	1/10/2021 12:56	0:00:31	51.03	175.40	493.60	51.33	178.27	493.82	-143.10	0.90
566	1/10/2021 12:57	1/10/2021 13:00	0:03:39	51.57	-178.82	494.01	50.83	-157.42	494.69	-141.47	2.53
567	1/10/2021 13:13	1/10/2021 13:21	0:08:39	26.21	-108.29	489.80	0.79	-88.32	486.94	-140.96	3.04
568	1/10/2021 13:22	1/10/2021 13:24	0:01:50	-0.72	-87.26	486.94	-6.23	-83.36	487.12	-141.77	2.23
569	1/10/2021 13:40	1/10/2021 13:40	0:00:20	-47.48	-33.25	494.36	-47.98	-31.60	494.44	-143.49	0.51
570	1/10/2021 13:41	1/10/2021 13:41	0:00:09	-48.68	-29.06	494.55	-48.90	-28.20	494.58	-143.75	0.25
571	1/10/2021 13:43	1/10/2021 13:48	0:04:40	-51.26	-14.44	494.71	-50.52	12.69	493.33	-142.47	1.53
572	1/10/2021 13:49	1/10/2021 13:55	0:06:30	-49.69	17.25	492.86	-37.78	46.08	487.68	-141.84	2.16
573	1/10/2021 13:56	1/10/2021 13:57	0:01:31	-36.16	48.38	487.06	-32.36	53.20	485.67	-141.74	2.26
574	1/10/2021 13:58	1/10/2021 14:02	0:03:30	-30.16	55.69	484.92	-20.40	65.00	482.06	-142.23	1.77
575	1/10/2021 14:11	1/10/2021 14:22	0:10:40	7.95	85.92	479.88	37.65	114.29	487.66	-140.73	3.27
576	1/10/2021 14:23	1/10/2021 14:25	0:01:20	41.08	119.84	489.03	43.85	125.30	490.20	-142.35	1.65
577	1/10/2021 14:26	1/10/2021 14:26	0:00:00	46.30	131.28	491.28	46.30	131.28	491.28	-143.99	0.01
578	1/10/2021 14:27	1/10/2021 14:29	0:01:59	47.38	134.47	491.78	49.99	144.82	493.09	-142.03	1.97
579	1/10/2021 14:30	1/10/2021 14:31	0:00:30	51.12	152.28	493.77	51.41	155.16	493.99	-143.17	0.83
580	1/10/2021 14:31	1/10/2021 14:31	0:00:00	51.61	158.07	494.18	51.61	158.07	494.18	-143.23	0.77
581	1/10/2021 14:46	1/10/2021 14:56	0:09:01	26.75	-132.74	490.05	0.37	-111.95	487.05	-141.00	3.00
582	1/10/2021 14:56	1/10/2021 14:58	0:01:49	-1.13	-110.89	487.06	-6.64	-106.99	487.25	-141.80	2.20
583	1/10/2021 14:59	1/10/2021 15:02	0:03:09	-8.64	-105.55	487.38	-18.00	-98.41	488.46	-140.72	3.28
584	1/10/2021 15:26	1/10/2021 15:30	0:03:11	-44.33	10.26	490.32	-37.44	22.64	487.49	-141.92	2.08
585	1/10/2021 15:30	1/10/2021 15:30	0:00:29	-36.23	24.36	487.02	-34.99	26.02	486.56	-143.20	0.80
586	1/10/2021 15:31	1/10/2021 15:32	0:00:41	-33.72	27.63	486.09	-32.00	29.70	485.48	-142.32	1.68
587	1/10/2021 15:32	1/10/2021 15:45	0:12:20	-30.24	31.68	484.87	5.87	60.49	479.63	-141.00	3.00
588	1/10/2021 15:45	1/10/2021 15:51	0:06:09	7.87	61.93	479.81	25.84	76.53	483.50	-141.45	2.55
589	1/10/2021 15:54	1/10/2021 15:56	0:01:49	33.02	84.20	485.87	37.58	90.26	487.59	-140.97	3.03
590	1/10/2021 15:58	1/10/2021 15:59	0:01:41	41.38	96.46	489.12	44.75	103.43	490.56	-142.29	1.71
591	1/10/2021 16:01	1/10/2021 16:03	0:01:49	47.59	111.22	491.86	49.96	120.74	493.06	-142.09	1.91
592	1/10/2021 16:04	1/10/2021 16:05	0:00:30	51.10	128.19	493.75	51.39	131.07	493.97	-143.16	0.84
593	1/10/2021 16:05	1/10/2021 16:07	0:02:19	51.60	133.98	494.17	51.55	147.70	494.75	-141.38	2.62
594	1/10/2021 16:32	1/10/2021 16:32	0:00:10	-6.06	-131.33	487.26	-6.56	-130.98	487.29	-143.33	0.67
595	1/10/2021 16:33	1/10/2021 16:36	0:03:29	-9.05	-129.17	487.46	-19.36	-121.21	488.70	-140.74	3.26
596	1/10/2021 16:37	1/10/2021 16:44	0:07:10	-21.28	-119.59	489.01	-40.00	-97.92	492.88	-142.01	1.99
597	1/10/2021 16:45	1/10/2021 16:46	0:01:09	-41.11	-96.00	493.12	-43.54	-91.26	493.62	-143.84	0.16
598	1/10/2021 16:46	1/10/2021 16:47	0:00:51	-44.83	-88.37	493.87	-46.31	-84.58	494.15	-143.50	0.50
599	1/10/2021 16:48	1/10/2021 16:49	0:01:10	-47.65	-80.57	494.37	-49.24	-74.61	494.58	-143.29	0.71
600	1/10/2021 16:52	1/10/2021 16:52	0:00:41	-51.32	-61.66	494.64	-51.62	-57.78	494.56	-143.22	0.78

Table 10 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)
601	1/10/2021 17:10	1/10/2021 17:19	0:09:10	-21.04	16.60	482.06	6.29	36.87	479.59	-140.94	3.06
602	1/10/2021 17:20	1/10/2021 17:27	0:07:01	8.29	38.31	479.78	28.52	55.27	484.28	-141.36	2.64
603	1/10/2021 17:44	1/10/2021 18:04	0:20:01	49.82	136.79	494.79	0.04	-159.57	487.16	-140.97	3.03
604	1/10/2021 18:05	1/10/2021 18:06	0:01:40	-1.97	-158.16	487.18	-6.98	-154.60	487.37	-141.72	2.28
605	1/10/2021 18:07	1/10/2021 18:11	0:03:30	-9.47	-152.80	487.55	-19.77	-144.80	488.82	-140.72	3.28
606	1/10/2021 18:11	1/10/2021 18:19	0:07:10	-21.68	-143.17	489.14	-40.31	-121.32	492.98	-141.98	2.02
607	1/10/2021 18:19	1/10/2021 18:20	0:00:50	-41.41	-119.39	493.22	-43.15	-116.01	493.58	-143.78	0.22
608	1/10/2021 18:23	1/10/2021 18:24	0:01:00	-48.10	-102.97	494.46	-49.41	-97.80	494.62	-143.20	0.80
609	1/10/2021 18:26	1/10/2021 18:31	0:04:40	-51.40	-84.78	494.64	-50.29	-57.71	493.08	-142.53	1.47
610	1/10/2021 18:31	1/10/2021 18:38	0:06:31	-49.40	-53.20	492.59	-37.18	-24.83	487.26	-141.75	2.25
611	1/10/2021 18:39	1/10/2021 18:40	0:01:40	-35.55	-22.56	486.63	-31.27	-17.32	485.09	-141.85	2.15
612	1/10/2021 18:41	1/10/2021 18:53	0:12:20	-29.49	-15.37	484.49	6.70	13.24	479.58	-141.00	3.00
613	1/10/2021 18:54	1/10/2021 19:02	0:07:51	8.70	14.68	479.78	31.13	34.16	485.11	-141.26	2.74
614	1/10/2021 19:02	1/10/2021 19:05	0:02:19	32.44	35.67	485.57	38.25	43.39	487.75	-141.46	2.54
615	1/10/2021 19:06	1/10/2021 19:09	0:02:11	41.98	49.72	489.28	46.16	59.11	491.10	-142.57	1.43
616	1/10/2021 19:10	1/10/2021 19:11	0:01:40	48.01	64.75	491.97	50.08	73.50	493.04	-142.19	1.81
617	1/10/2021 19:17	1/10/2021 19:38	0:21:10	50.78	107.19	494.79	-0.38	176.80	487.16	-140.95	3.05
618	1/10/2021 19:39	1/10/2021 19:41	0:01:40	-2.39	178.21	487.18	-7.40	-178.23	487.39	-141.74	2.26
619	1/10/2021 19:41	1/10/2021 19:45	0:03:31	-9.89	-176.42	487.58	-20.17	-168.39	488.88	-140.70	3.30
620	1/10/2021 19:46	1/10/2021 19:51	0:05:40	-22.08	-166.75	489.20	-37.16	-150.18	492.30	-141.95	2.05
621	1/10/2021 20:15	1/10/2021 20:28	0:12:29	-29.56	-39.37	484.48	7.12	-10.39	479.58	-141.09	2.91
622	1/10/2021 20:28	1/10/2021 20:36	0:07:40	9.12	-8.94	479.79	31.06	10.15	485.05	-141.16	2.84
623	1/10/2021 20:37	1/10/2021 20:39	0:02:21	32.81	12.17	485.66	38.57	19.97	487.85	-141.53	2.47
624	1/10/2021 20:41	1/10/2021 20:43	0:02:10	42.28	26.35	489.37	46.39	35.84	491.18	-142.82	1.18
625	1/10/2021 20:51	1/10/2021 21:13	0:21:19	50.81	83.12	494.76	-0.80	153.17	487.16	-140.95	3.05
626	1/10/2021 21:13	1/10/2021 21:15	0:01:51	-2.31	154.23	487.18	-7.81	158.15	487.42	-141.79	2.21
627	1/10/2021 21:16	1/10/2021 21:19	0:03:31	-10.30	159.96	487.62	-20.57	168.03	488.94	-140.70	3.30
628	1/10/2021 21:20	1/10/2021 21:29	0:08:59	-22.00	169.26	489.18	-44.36	-161.24	493.76	-141.91	2.09
629	1/10/2021 21:29	1/10/2021 21:30	0:00:50	-45.29	-159.03	493.93	-46.74	-155.16	494.18	-143.54	0.46
630	1/10/2021 21:31	1/10/2021 21:33	0:01:31	-48.03	-151.09	494.38	-49.91	-143.26	494.59	-143.29	0.71
631	1/10/2021 21:34	1/10/2021 21:34	0:00:10	-50.96	-136.77	494.61	-51.07	-135.82	494.60	-143.96	0.04
632	1/10/2021 21:34	1/10/2021 21:38	0:03:20	-51.45	-131.98	494.54	-51.24	-112.45	493.59	-142.50	1.50
633	1/10/2021 21:38	1/10/2021 21:39	0:01:01	-50.91	-109.59	493.35	-50.02	-104.02	492.81	-142.87	1.13
634	1/10/2021 21:56	1/10/2021 22:02	0:05:49	-10.02	-46.50	479.79	7.55	-34.01	479.56	-141.15	2.85
635	1/10/2021 22:03	1/10/2021 22:10	0:07:40	9.54	-32.56	479.78	31.43	-13.36	485.17	-141.11	2.89
636	1/10/2021 22:11	1/10/2021 22:13	0:02:30	33.17	-11.32	485.79	39.29	-2.83	488.14	-141.65	2.35
637	1/10/2021 22:14	1/10/2021 22:14	0:00:00	40.42	-0.95	488.60	40.42	-0.95	488.60	-143.99	0.01
638	1/10/2021 22:15	1/10/2021 22:17	0:02:10	42.57	3.00	489.51	46.63	12.58	491.32	-142.88	1.12
639	1/10/2021 23:00	1/10/2021 23:03	0:03:20	-37.43	162.36	492.33	-44.63	175.45	493.82	-142.69	1.31
640	1/10/2021 23:04	1/10/2021 23:04	0:00:39	-45.55	177.68	493.99	-46.69	-179.21	494.18	-143.51	0.49
641	1/10/2021 23:05	1/10/2021 23:07	0:01:31	-48.23	-174.31	494.41	-50.06	-166.42	494.59	-143.19	0.81
642	1/10/2021 23:08	1/10/2021 23:08	0:00:30	-50.94	-160.84	494.60	-51.26	-157.99	494.57	-143.87	0.13
643	1/10/2021 23:09	1/10/2021 23:12	0:03:19	-51.51	-155.09	494.51	-51.15	-135.57	493.51	-142.50	1.50
644	1/10/2021 23:13	1/10/2021 23:21	0:08:10	-50.80	-132.72	493.27	-36.56	-95.73	486.88	-141.61	2.39
645	1/10/2021 23:21	1/10/2021 23:23	0:01:40	-34.91	-93.51	486.25	-30.60	-88.34	484.72	-141.92	2.08
646	1/10/2021 23:24	1/10/2021 23:25	0:00:40	-28.80	-86.42	484.12	-26.98	-84.57	483.54	-142.66	1.34
647	1/10/2021 23:27	1/10/2021 23:36	0:08:50	-18.94	-77.34	481.38	7.47	-57.99	479.54	-141.07	2.93
648	1/10/2021 23:37	1/10/2021 23:45	0:07:30	9.96	-56.17	479.83	31.36	-37.36	485.16	-141.27	2.73
649	1/10/2021 23:45	1/10/2021 23:48	0:03:11	33.10	-35.32	485.78	40.73	-24.34	488.76	-141.81	2.19
650	1/11/2021 0:16	1/11/2021 0:21	0:05:19	14.31	94.39	488.15	-1.65	105.91	487.24	-141.03	2.97
651	1/11/2021 0:22	1/11/2021 0:24	0:01:40	-3.15	106.97	487.27	-8.16	110.54	487.51	-141.55	2.45
652	1/11/2021 0:25	1/11/2021 0:28	0:03:29	-11.14	112.73	487.75	-21.37	120.87	489.12	-140.39	3.61
653	1/11/2021 0:28	1/11/2021 0:39	0:10:10	-22.80	122.12	489.37	-46.92	157.53	494.27	-141.84	2.16
654	1/11/2021 0:39	1/11/2021 0:39	0:00:00	-48.19	161.63	494.46	-48.19	161.63	494.46	-143.89	0.11
655	1/11/2021 0:53	1/11/2021 0:55	0:02:10	-41.25	-127.07	488.86	-36.22	-119.18	486.86	-141.62	2.38
656	1/11/2021 0:56	1/11/2021 0:58	0:01:40	-34.56	-116.98	486.24	-30.22	-111.86	484.71	-141.99	2.01
657	1/11/2021 0:58	1/11/2021 1:10	0:12:29	-28.88	-110.43	484.27	7.89	-81.62	479.69	-141.04	2.96
658	1/11/2021 1:57	1/11/2021 1:58	0:00:30	-7.08	85.84	487.35	-8.57	86.92	487.45	-142.67	1.33
659	1/11/2021 1:59	1/11/2021 2:02	0:03:30	-11.55	89.11	487.72	-21.77	97.28	489.15	-140.28	3.72
660	1/11/2021 2:03	1/11/2021 2:13	0:10:10	-23.20	98.54	489.40	-47.14	134.27	494.41	-141.81	2.19

Table 10 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)
661	1/11/2021 2:14	1/11/2021 2:15	0:01:40	-48.38	138.41	494.60	-50.33	147.26	494.80	-143.10	0.90
662	1/11/2021 2:16	1/11/2021 2:18	0:01:40	-51.01	151.94	494.80	-51.75	161.62	494.61	-143.42	0.58
663	1/11/2021 2:29	1/11/2021 2:29	0:00:09	-36.29	-143.21	487.10	-35.88	-142.65	486.95	-143.00	1.00
664	1/11/2021 2:30	1/11/2021 2:32	0:01:29	-34.21	-140.46	486.32	-30.30	-135.87	484.95	-142.36	1.64
665	1/11/2021 2:32	1/11/2021 2:45	0:12:29	-28.50	-133.96	484.35	8.30	-105.24	479.85	-141.05	2.95
666	1/11/2021 2:46	1/11/2021 2:47	0:01:01	10.79	-103.42	480.15	13.76	-101.19	480.60	-142.58	1.42
667	1/11/2021 3:39	1/11/2021 3:47	0:07:40	-30.01	81.32	490.68	-47.10	110.22	494.35	-142.30	1.70
668	1/11/2021 3:48	1/11/2021 3:50	0:01:29	-48.57	115.19	494.58	-50.31	123.19	494.77	-143.11	0.89
669	1/11/2021 4:12	1/11/2021 4:19	0:07:21	-13.32	-144.67	480.60	8.72	-128.87	479.93	-141.09	2.91
670	1/11/2021 4:20	1/11/2021 4:27	0:07:29	11.21	-127.04	480.24	32.45	-107.88	485.62	-141.45	2.55
671	1/11/2021 4:28	1/11/2021 4:28	0:00:09	34.17	-105.79	486.23	34.59	-105.25	486.39	-143.89	0.11
672	1/11/2021 4:29	1/11/2021 4:29	0:00:31	35.84	-103.61	486.85	37.06	-101.91	487.31	-143.39	0.61
673	1/11/2021 5:31	1/11/2021 5:38	0:07:10	-49.42	139.21	492.69	-35.60	169.88	486.81	-141.38	2.62
674	1/11/2021 5:39	1/11/2021 5:40	0:01:40	-33.92	172.05	486.19	-29.55	177.09	484.68	-141.90	2.10
675	1/11/2021 5:41	1/11/2021 5:52	0:11:00	-27.74	178.97	484.09	4.63	-155.72	479.55	-141.17	2.83
676	1/11/2021 6:23	1/11/2021 6:39	0:15:11	39.73	-28.20	492.74	-2.83	11.04	486.97	-140.98	3.02
677	1/11/2021 6:39	1/11/2021 6:41	0:01:41	-4.33	12.10	487.02	-9.33	15.69	487.34	-141.79	2.21
678	1/11/2021 6:42	1/11/2021 6:45	0:03:31	-12.30	17.89	487.62	-22.50	26.14	489.12	-140.11	3.89
679	1/11/2021 6:46	1/11/2021 6:55	0:09:00	-24.38	27.84	489.47	-45.90	58.96	494.06	-141.79	2.21
680	1/11/2021 7:04	1/11/2021 7:12	0:08:30	-50.64	108.77	493.31	-35.25	146.42	486.59	-141.19	2.81
681	1/11/2021 7:13	1/11/2021 7:15	0:01:40	-33.56	148.57	485.97	-29.17	153.56	484.46	-142.13	1.87
682	1/11/2021 7:15	1/11/2021 7:28	0:12:40	-27.81	154.97	484.02	9.56	-176.10	479.92	-141.16	2.84
683	1/11/2021 7:29	1/11/2021 7:36	0:07:31	12.05	-174.27	480.26	33.19	-154.86	485.82	-141.54	2.46
684	1/11/2021 7:37	1/11/2021 7:37	0:00:00	34.88	-152.73	486.44	34.88	-152.73	486.44	-143.98	0.02
685	1/11/2021 7:38	1/11/2021 7:38	0:00:59	36.53	-150.51	487.06	38.91	-146.98	487.98	-142.24	1.76
686	1/11/2021 8:02	1/11/2021 8:13	0:10:49	28.47	-37.66	490.35	-3.25	-12.59	487.10	-141.01	2.99
687	1/11/2021 8:13	1/11/2021 8:15	0:01:40	-4.75	-11.52	487.15	-9.75	-7.93	487.48	-141.71	2.29
688	1/11/2021 8:16	1/11/2021 8:20	0:03:30	-12.72	-5.72	487.77	-22.89	2.57	489.28	-140.15	3.85
689	1/11/2021 8:20	1/11/2021 8:30	0:09:51	-24.77	4.28	489.63	-47.50	39.67	494.38	-141.77	2.23
690	1/11/2021 8:38	1/11/2021 8:47	0:09:00	-50.92	82.81	493.48	-34.90	122.96	486.39	-141.09	2.91
691	1/11/2021 8:47	1/11/2021 8:49	0:01:40	-33.63	124.56	485.93	-29.24	129.56	484.41	-142.25	1.75
692	1/11/2021 8:49	1/11/2021 9:02	0:12:40	-27.42	131.43	483.82	9.98	160.28	479.89	-141.10	2.90
693	1/11/2021 9:03	1/11/2021 9:07	0:04:20	12.46	162.12	480.24	25.02	172.56	483.08	-141.62	2.38
694	1/11/2021 9:42	1/11/2021 9:47	0:05:21	12.82	-48.03	487.87	-3.17	-36.57	487.23	-141.01	2.99
695	1/11/2021 9:47	1/11/2021 9:49	0:01:41	-4.68	-35.51	487.28	-9.67	-31.91	487.61	-141.70	2.30
696	1/11/2021 9:50	1/11/2021 9:54	0:03:30	-13.14	-29.33	487.97	-23.29	-21.00	489.52	-140.07	3.93
697	1/11/2021 9:54	1/11/2021 10:04	0:09:31	-24.70	-19.71	489.78	-46.93	14.00	494.44	-141.74	2.26
698	1/11/2021 10:48	1/11/2021 10:49	0:00:11	42.12	170.72	489.06	42.47	171.40	489.21	-142.73	1.27
699	1/11/2021 10:51	1/11/2021 10:52	0:00:59	46.55	-179.05	491.01	48.11	-174.17	491.75	-142.25	1.75
700	1/11/2021 10:52	1/11/2021 10:55	0:02:40	49.22	-169.88	492.32	51.48	-155.01	493.72	-142.69	1.31
701	1/11/2021 10:56	1/11/2021 10:57	0:00:31	51.74	-150.12	494.03	51.79	-147.18	494.18	-143.90	0.10
702	1/11/2021 10:57	1/11/2021 10:58	0:00:50	51.77	-144.23	494.30	51.54	-139.34	494.46	-142.81	1.19
703	1/11/2021 10:58	1/11/2021 11:00	0:01:19	51.30	-136.44	494.52	50.29	-128.90	494.56	-143.06	0.94
704	1/11/2021 11:18	1/11/2021 11:21	0:03:29	6.93	-67.63	487.40	-3.60	-60.20	487.29	-140.98	3.02
705	1/11/2021 11:22	1/11/2021 11:23	0:01:40	-5.10	-59.13	487.35	-10.09	-55.53	487.71	-141.85	2.15
706	1/11/2021 11:25	1/11/2021 11:28	0:03:39	-13.06	-53.32	488.02	-23.69	-44.57	489.66	-139.87	4.13
707	1/11/2021 11:29	1/11/2021 11:36	0:07:30	-25.09	-43.27	489.93	-43.57	-18.32	493.89	-141.73	2.27
708	1/11/2021 13:19	1/11/2021 13:25	0:06:11	-51.60	3.84	494.26	-44.09	35.83	490.25	-142.13	1.87
709	1/11/2021 13:26	1/11/2021 13:30	0:03:50	-43.10	37.95	489.82	-34.26	52.00	486.22	-140.82	3.18
710	1/11/2021 13:30	1/11/2021 13:32	0:01:40	-32.55	54.09	485.58	-28.10	58.97	484.04	-142.28	1.72
711	1/11/2021 13:32	1/11/2021 13:34	0:01:40	-26.73	60.35	483.60	-22.04	64.69	482.22	-142.42	1.58
712	1/11/2021 13:44	1/11/2021 13:45	0:01:40	6.24	85.80	479.27	11.23	89.43	479.81	-141.36	2.64
713	1/11/2021 13:46	1/11/2021 13:52	0:05:41	13.22	90.92	480.11	29.39	105.14	484.18	-141.80	2.20
714	1/11/2021 16:05	1/11/2021 16:07	0:01:01	-8.36	-128.57	487.79	-11.34	-126.39	488.06	-141.89	2.11
715	1/11/2021 16:07	1/11/2021 16:11	0:03:41	-14.30	-124.15	488.39	-24.87	-115.26	490.08	-139.53	4.47
716	1/11/2021 16:12	1/11/2021 16:20	0:08:39	-26.26	-113.93	490.35	-46.48	-83.01	494.52	-141.76	2.24
717	1/11/2021 16:48	1/11/2021 16:54	0:05:49	-5.48	29.66	479.13	12.07	42.20	479.81	-141.17	2.83
718	1/11/2021 16:54	1/11/2021 16:59	0:04:29	13.55	43.32	480.04	26.51	54.35	483.15	-141.89	2.11
719	1/11/2021 17:42	1/11/2021 17:45	0:03:40	-14.71	-147.76	488.49	-25.26	-138.82	490.20	-139.67	4.33
720	1/11/2021 17:46	1/11/2021 17:53	0:07:20	-26.64	-137.48	490.47	-44.33	-112.34	494.17	-141.77	2.23

Table 10 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)
721	1/11/2021 18:25	1/11/2021 18:28	0:02:41	4.49	12.77	478.98	12.48	18.58	479.82	-141.11	2.89
722	1/11/2021 18:29	1/11/2021 18:36	0:07:40	13.96	19.71	480.06	35.25	40.27	486.12	-141.95	2.05
723	1/11/2021 18:38	1/11/2021 18:41	0:03:09	38.48	44.87	487.38	45.15	57.63	490.22	-141.32	2.68
724	1/11/2021 19:57	1/11/2021 20:03	0:06:00	-5.14	-17.95	479.02	12.90	-5.03	479.85	-141.11	2.89
725	1/11/2021 20:03	1/11/2021 20:11	0:07:40	14.38	-3.90	480.10	35.60	16.81	486.22	-141.99	2.01
726	1/11/2021 20:12	1/11/2021 20:15	0:03:21	38.81	21.45	487.48	45.71	35.10	490.44	-141.32	2.68
727	1/11/2021 20:17	1/11/2021 20:17	0:00:11	47.88	41.48	491.48	48.12	42.31	491.60	-143.55	0.45
728	1/11/2021 21:29	1/11/2021 21:37	0:08:01	-10.71	-45.90	479.54	13.32	-28.64	479.87	-141.18	2.82
729	1/11/2021 21:37	1/11/2021 21:45	0:07:31	14.80	-27.50	480.13	35.54	-7.20	486.19	-142.01	1.99
730	1/11/2021 21:46	1/11/2021 21:50	0:03:11	39.14	-1.96	487.61	45.66	11.06	490.44	-141.32	2.68
731	1/11/2021 22:38	1/11/2021 22:40	0:02:39	-47.12	-176.82	494.58	-50.48	-162.92	494.89	-143.38	0.62
732	1/11/2021 22:41	1/11/2021 22:41	0:00:31	-50.89	-160.11	494.87	-51.22	-157.26	494.83	-143.65	0.35
733	1/11/2021 22:42	1/11/2021 22:51	0:09:09	-51.49	-154.36	494.77	-43.08	-105.57	489.52	-141.98	2.02
734	1/11/2021 22:51	1/11/2021 22:55	0:03:50	-42.05	-103.52	489.06	-32.96	-89.96	485.40	-140.41	3.59
735	1/11/2021 22:56	1/11/2021 23:01	0:05:40	-31.21	-87.93	484.77	-15.24	-73.26	480.29	-141.89	2.11
736	1/12/2021 1:06	1/12/2021 1:06	0:00:11	51.42	6.87	494.54	51.34	7.83	494.56	-143.59	0.41
737	1/12/2021 1:08	1/12/2021 1:20	0:12:29	50.02	17.21	494.63	22.78	64.59	489.54	-142.22	1.78
738	1/12/2021 2:05	1/12/2021 2:19	0:14:39	-30.02	-134.47	484.68	13.08	-100.60	480.01	-141.24	2.76
739	1/12/2021 3:33	1/12/2021 3:34	0:01:01	-44.55	179.46	490.51	-42.56	-176.30	489.63	-142.68	1.32
740	1/12/2021 3:34	1/12/2021 3:38	0:03:59	-41.50	-174.29	489.18	-31.86	-160.45	485.37	-140.59	3.41
741	1/12/2021 3:39	1/12/2021 3:53	0:14:50	-30.54	-158.96	484.91	13.00	-124.58	480.04	-141.23	2.77
742	1/12/2021 5:04	1/12/2021 5:08	0:03:41	-48.66	143.48	492.41	-42.27	160.35	489.44	-142.26	1.74
743	1/12/2021 5:09	1/12/2021 5:12	0:03:50	-41.20	162.34	488.99	-31.93	175.55	485.35	-140.33	3.67
744	1/12/2021 5:13	1/12/2021 5:24	0:11:20	-30.16	177.53	484.72	2.94	-155.81	479.05	-141.88	2.12
745	1/12/2021 6:37	1/12/2021 6:42	0:04:50	-50.07	113.22	493.12	-42.32	136.32	489.39	-142.28	1.72
746	1/12/2021 6:43	1/12/2021 6:47	0:03:50	-40.89	138.97	488.78	-31.56	152.05	485.13	-140.22	3.78
747	1/12/2021 6:47	1/12/2021 7:07	0:19:21	-30.23	153.53	484.66	26.32	-161.17	483.06	-141.29	2.71
748	1/12/2021 8:11	1/12/2021 8:17	0:05:41	-50.71	85.46	493.50	-42.02	112.97	489.21	-142.28	1.72
749	1/12/2021 8:17	1/12/2021 8:21	0:03:59	-40.95	114.94	488.75	-31.19	128.55	484.92	-140.42	3.58
750	1/12/2021 8:21	1/12/2021 8:42	0:20:51	-29.85	130.02	484.45	30.78	179.54	484.43	-141.34	2.66
751	1/12/2021 9:14	1/12/2021 9:24	0:09:39	13.97	-47.80	488.23	-14.93	-26.85	488.57	-141.01	2.99
752	1/12/2021 9:25	1/12/2021 9:33	0:08:19	-17.86	-24.53	488.99	-39.96	-0.08	493.43	-139.69	4.31
753	1/12/2021 9:34	1/12/2021 9:34	0:00:00	-41.06	1.84	493.66	-41.06	1.84	493.66	-143.98	0.02
754	1/12/2021 9:35	1/12/2021 9:37	0:02:39	-43.17	5.87	494.09	-47.87	18.08	494.91	-142.71	1.29
755	1/12/2021 10:24	1/12/2021 10:25	0:01:01	46.73	-177.43	490.69	48.26	-172.51	491.44	-142.78	1.22
756	1/12/2021 10:25	1/12/2021 10:28	0:02:40	49.14	-169.07	491.90	51.45	-154.23	493.37	-143.20	0.80
757	1/12/2021 10:30	1/12/2021 10:32	0:02:00	51.79	-145.42	493.92	51.13	-133.74	494.30	-142.46	1.54
758	1/12/2021 10:33	1/12/2021 10:38	0:04:50	49.46	-123.58	494.31	41.14	-101.28	493.03	-142.45	1.55
759	1/12/2021 10:51	1/12/2021 10:58	0:07:19	7.10	-66.65	487.69	-14.86	-50.83	488.63	-141.01	2.99
760	1/12/2021 10:59	1/12/2021 11:08	0:08:20	-18.27	-48.12	489.13	-40.27	-23.47	493.58	-139.64	4.36
761	1/12/2021 11:09	1/12/2021 11:10	0:01:00	-43.45	-17.46	494.23	-45.36	-13.10	494.59	-142.70	1.30
762	1/12/2021 11:43	1/12/2021 11:54	0:10:49	8.15	112.20	479.01	38.21	141.26	486.88	-141.31	2.69
763	1/12/2021 11:55	1/12/2021 11:59	0:03:50	41.59	146.91	488.27	48.46	164.29	491.41	-141.14	2.86
764	1/12/2021 12:00	1/12/2021 12:02	0:02:39	49.11	166.88	491.75	51.44	-178.30	493.23	-143.18	0.82
765	1/12/2021 12:04	1/12/2021 12:06	0:02:01	51.79	-168.51	493.83	51.04	-156.85	494.20	-142.35	1.65
766	1/12/2021 12:08	1/12/2021 12:08	0:00:11	49.29	-146.75	494.20	49.09	-145.88	494.18	-143.63	0.37
767	1/12/2021 12:11	1/12/2021 12:27	0:16:30	44.59	-132.22	493.58	0.16	-85.66	487.59	-142.21	1.79
768	1/12/2021 12:28	1/12/2021 12:32	0:04:40	-1.34	-84.60	487.62	-15.27	-74.43	488.77	-141.00	3.00
769	1/12/2021 12:33	1/12/2021 12:40	0:06:21	-18.68	-71.70	489.28	-35.90	-54.02	492.71	-139.63	4.37
770	1/12/2021 13:16	1/12/2021 13:28	0:12:00	5.07	86.07	478.76	38.54	117.84	487.07	-141.31	2.69
771	1/12/2021 13:30	1/12/2021 13:33	0:03:49	41.89	123.55	488.46	48.65	141.09	491.61	-141.08	2.92
772	1/12/2021 13:34	1/12/2021 13:36	0:01:51	49.29	143.69	491.95	51.04	153.79	493.03	-143.14	0.86
773	1/12/2021 13:36	1/12/2021 13:36	0:00:00	51.34	156.67	493.27	51.34	156.67	493.27	-143.99	0.01
774	1/12/2021 13:38	1/12/2021 13:38	0:00:30	51.79	167.42	493.95	51.72	170.36	494.09	-143.44	0.56
775	1/12/2021 14:26	1/12/2021 14:38	0:11:41	-51.42	-16.56	494.27	-30.13	34.01	484.52	-140.56	3.44
776	1/12/2021 14:39	1/12/2021 14:46	0:07:30	-28.78	35.44	484.05	-7.08	53.56	479.00	-142.13	1.87
777	1/12/2021 14:58	1/12/2021 15:02	0:04:10	28.26	81.14	483.28	38.86	94.42	487.16	-142.23	1.77
778	1/12/2021 15:04	1/12/2021 15:08	0:03:50	42.19	100.19	488.55	48.83	117.88	491.68	-141.09	2.91
779	1/12/2021 15:08	1/12/2021 15:10	0:01:40	49.45	120.51	492.02	51.02	129.72	493.00	-143.05	0.95
780	1/12/2021 15:37	1/12/2021 15:39	0:01:51	-4.19	-130.44	487.89	-9.69	-126.49	488.27	-141.01	2.99

Table 10 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)
781	1/12/2021 15:39	1/12/2021 15:41	0:01:40	-11.17	-125.40	488.42	-16.10	-121.64	489.02	-142.57	1.43
782	1/12/2021 15:42	1/12/2021 15:50	0:08:30	-19.01	-119.29	489.46	-41.20	-93.62	493.90	-139.72	4.28
783	1/12/2021 15:52	1/12/2021 15:54	0:01:40	-44.28	-87.43	494.49	-47.20	-79.78	494.97	-142.71	1.29
784	1/12/2021 17:14	1/12/2021 17:15	0:01:31	-12.09	-148.64	488.56	-16.51	-145.24	489.13	-142.55	1.45
785	1/12/2021 17:16	1/12/2021 17:25	0:08:30	-19.42	-142.87	489.57	-41.51	-116.99	493.99	-139.85	4.15
786	1/12/2021 17:26	1/12/2021 17:32	0:06:09	-44.54	-110.75	494.57	-51.67	-78.43	495.02	-142.71	1.29
787	1/12/2021 17:45	1/12/2021 18:11	0:25:59	-34.19	-18.58	485.90	39.51	47.61	487.33	-140.69	3.31
788	1/12/2021 18:13	1/12/2021 18:13	0:00:30	42.77	53.49	488.72	43.78	55.59	489.16	-143.60	0.40
789	1/12/2021 18:25	1/12/2021 18:50	0:24:40	48.79	119.62	494.29	-16.43	-169.22	489.12	-141.04	2.96
790	1/12/2021 18:51	1/12/2021 18:53	0:01:50	-19.82	-166.46	489.64	-25.03	-161.84	490.57	-139.80	4.20
791	1/12/2021 19:15	1/12/2021 19:21	0:06:00	-43.76	-58.04	489.96	-29.45	-37.03	484.11	-140.63	3.37
792	1/12/2021 19:21	1/12/2021 19:45	0:23:50	-28.09	-35.61	483.64	39.84	24.21	487.43	-141.39	2.61
793	1/12/2021 19:47	1/12/2021 19:50	0:03:09	43.06	30.15	488.81	48.51	44.85	491.39	-141.63	2.37
794	1/12/2021 19:57	1/12/2021 19:57	0:00:00	50.63	86.56	494.29	50.63	86.56	494.29	-143.97	0.03
795	1/12/2021 19:59	1/12/2021 20:19	0:19:30	48.61	96.42	494.23	-1.46	155.85	487.83	-142.13	1.87
796	1/12/2021 20:19	1/12/2021 20:24	0:04:40	-2.96	156.91	487.88	-16.85	167.18	489.16	-141.03	2.97
797	1/12/2021 20:25	1/12/2021 20:29	0:04:29	-20.23	169.96	489.69	-32.62	-177.80	492.08	-139.71	4.29
798	1/12/2021 21:01	1/12/2021 21:20	0:18:20	-11.87	-45.65	479.40	40.16	0.82	487.57	-141.37	2.63
799	1/12/2021 21:21	1/12/2021 21:24	0:02:49	43.02	6.12	488.80	48.01	19.12	491.15	-141.69	2.31
800	1/12/2021 22:11	1/12/2021 22:30	0:18:50	-47.81	-173.52	495.02	-28.68	-84.07	483.74	-140.73	3.27
801	1/12/2021 22:30	1/12/2021 22:34	0:03:39	-27.31	-82.68	483.28	-16.86	-73.43	480.36	-141.94	2.06
802	1/12/2021 22:37	1/12/2021 22:54	0:16:50	-8.45	-67.07	478.90	39.34	-24.44	487.25	-141.38	2.62
803	1/12/2021 23:32	1/12/2021 23:32	0:00:39	-15.73	118.44	489.06	-17.68	120.00	489.34	-142.83	1.17
804	1/12/2021 23:34	1/12/2021 23:42	0:08:21	-21.05	122.80	489.88	-42.35	148.91	494.16	-139.60	4.40
805	1/12/2021 23:44	1/12/2021 23:54	0:10:10	-45.58	156.08	494.74	-49.66	-147.88	492.94	-142.78	1.22
806	1/12/2021 23:57	1/13/2021 0:04	0:07:21	-45.47	-133.81	490.75	-28.29	-107.60	483.72	-140.81	3.19
807	1/13/2021 0:05	1/13/2021 0:16	0:11:59	-26.92	-106.22	483.26	8.54	-78.92	478.86	-141.70	2.30
808	1/13/2021 1:02	1/13/2021 1:07	0:04:40	-4.24	86.04	487.91	-18.09	96.40	489.35	-141.05	2.95
809	1/13/2021 1:08	1/13/2021 1:16	0:08:30	-20.97	98.81	489.83	-42.64	125.56	494.29	-139.62	4.38
810	1/13/2021 1:18	1/13/2021 1:26	0:07:40	-45.83	132.80	494.87	-51.51	174.92	494.43	-142.79	1.21
811	1/13/2021 2:13	1/13/2021 2:15	0:01:31	51.37	-15.42	494.11	50.26	-6.93	494.22	-142.46	1.54
812	1/13/2021 2:16	1/13/2021 2:19	0:02:41	48.04	2.74	494.07	43.41	15.04	493.38	-142.76	1.24
813	1/13/2021 2:44	1/13/2021 2:51	0:06:20	-27.45	80.88	490.97	-42.93	102.21	494.30	-142.13	1.87
814	1/13/2021 2:52	1/13/2021 2:57	0:05:01	-46.08	109.53	494.88	-51.57	136.15	495.21	-142.80	1.20
815	1/13/2021 3:07	1/13/2021 3:34	0:27:40	-41.97	-174.05	489.39	35.57	-101.76	485.78	-140.74	3.26
816	1/13/2021 4:38	1/13/2021 4:47	0:08:51	-47.54	148.53	491.95	-27.59	-178.67	483.70	-140.76	3.24
817	1/13/2021 4:47	1/13/2021 4:57	0:09:20	-26.21	-177.30	483.25	1.28	-155.87	478.62	-142.03	1.97
818	1/13/2021 5:33	1/13/2021 5:45	0:11:41	30.48	-13.66	490.80	-3.51	13.74	487.67	-142.44	1.56
819	1/13/2021 5:45	1/13/2021 5:50	0:04:40	-5.01	14.81	487.75	-18.84	25.24	489.29	-141.05	2.95
820	1/13/2021 5:51	1/13/2021 5:53	0:01:59	-22.19	28.09	489.87	-27.77	33.35	490.96	-139.77	4.23
821	1/13/2021 6:11	1/13/2021 6:21	0:10:39	-49.77	115.87	493.10	-27.20	157.80	483.49	-140.78	3.22
822	1/13/2021 6:22	1/13/2021 6:39	0:17:00	-25.82	159.15	483.04	24.32	-161.95	481.99	-141.43	2.57
823	1/13/2021 7:07	1/13/2021 7:13	0:05:50	30.54	-37.65	490.89	14.03	-22.81	488.33	-142.59	1.41
824	1/13/2021 7:44	1/13/2021 8:17	0:32:51	-50.46	88.16	493.51	34.97	-174.32	485.45	-140.83	3.17
825	1/13/2021 8:47	1/13/2021 8:53	0:06:20	14.60	-47.17	488.49	-4.37	-33.50	487.94	-142.44	1.56
826	1/13/2021 8:54	1/13/2021 8:58	0:04:40	-5.87	-32.44	488.03	-19.66	-21.93	489.67	-141.07	2.93
827	1/13/2021 9:00	1/13/2021 9:08	0:08:20	-22.99	-19.05	490.26	-43.74	8.19	494.57	-139.63	4.37
828	1/13/2021 9:22	1/13/2021 9:42	0:19:30	-44.83	84.20	490.60	8.58	137.56	478.73	-140.80	3.20
829	1/13/2021 10:24	1/13/2021 10:27	0:03:59	7.24	-65.63	487.95	-4.79	-57.13	488.02	-143.00	1.00
830	1/13/2021 10:28	1/13/2021 10:33	0:04:40	-6.29	-56.06	488.12	-20.07	-45.51	489.81	-141.09	2.91
831	1/13/2021 10:34	1/13/2021 10:42	0:08:21	-23.40	-42.61	490.41	-44.02	-15.13	494.71	-139.72	4.28
832	1/13/2021 11:31	1/13/2021 11:35	0:04:00	47.92	163.49	490.71	51.62	-174.52	493.07	-142.01	1.99
833	1/13/2021 11:37	1/13/2021 11:40	0:02:49	51.69	-163.72	493.68	49.73	-147.65	493.98	-142.47	1.53
834	1/13/2021 11:43	1/13/2021 12:02	0:18:40	45.58	-133.54	493.58	-4.72	-81.10	488.08	-141.95	2.05
835	1/13/2021 12:02	1/13/2021 12:07	0:04:40	-6.22	-80.03	488.18	-20.00	-69.50	489.89	-141.09	2.91
836	1/13/2021 12:08	1/13/2021 12:14	0:06:30	-23.33	-66.59	490.49	-40.12	-46.55	494.01	-139.98	4.02
837	1/13/2021 12:48	1/13/2021 13:03	0:14:30	3.42	86.02	478.28	42.84	126.52	488.41	-141.47	2.53
838	1/13/2021 13:04	1/13/2021 13:04	0:00:11	45.42	132.30	489.58	45.72	133.06	489.73	-143.97	0.03
839	1/13/2021 13:05	1/13/2021 13:10	0:05:00	46.57	135.39	490.14	51.66	162.39	493.25	-142.01	1.99
840	1/13/2021 13:12	1/13/2021 13:13	0:00:50	51.65	173.19	493.84	51.29	178.04	494.00	-143.34	0.66

Table 10 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)
841	1/13/2021 14:00	1/13/2021 14:20	0:20:50	-51.27	-13.78	494.35	-2.69	57.78	478.31	-140.76	3.24
842	1/13/2021 14:31	1/13/2021 14:37	0:06:20	27.68	81.67	482.60	43.13	103.18	488.50	-141.46	2.54
843	1/13/2021 14:39	1/13/2021 14:39	0:00:00	45.67	109.02	489.67	45.67	109.02	489.67	-143.96	0.04
844	1/13/2021 14:39	1/13/2021 14:44	0:04:50	46.81	112.14	490.22	51.66	138.31	493.24	-141.99	2.01
845	1/13/2021 15:10	1/13/2021 15:10	0:00:49	-3.06	-130.13	488.16	-5.57	-128.35	488.29	-143.31	0.69
846	1/13/2021 15:11	1/13/2021 15:16	0:04:40	-7.07	-127.28	488.40	-20.81	-116.66	490.15	-141.08	2.92
847	1/13/2021 15:17	1/13/2021 15:25	0:08:30	-24.12	-113.72	490.75	-44.82	-85.05	494.96	-139.88	4.12
848	1/13/2021 16:47	1/13/2021 16:50	0:03:11	-11.96	-147.62	488.91	-21.21	-140.24	490.26	-141.09	2.91
849	1/13/2021 16:51	1/13/2021 16:57	0:05:40	-24.52	-137.28	490.87	-39.18	-119.85	493.91	-139.84	4.16
850	1/13/2021 17:20	1/13/2021 17:45	0:24:51	-27.23	-9.70	483.24	42.69	54.43	488.22	-141.34	2.66
851	1/13/2021 17:57	1/13/2021 17:57	0:00:20	49.46	117.90	494.10	49.06	119.66	494.08	-143.61	0.39
852	1/13/2021 17:59	1/13/2021 18:19	0:19:40	46.34	128.76	493.84	-6.42	-175.59	488.40	-141.93	2.07
853	1/13/2021 18:19	1/13/2021 18:21	0:01:31	-7.92	-174.52	488.52	-12.39	-171.23	488.97	-141.14	2.86
854	1/13/2021 18:49	1/13/2021 18:53	0:04:20	-41.80	-52.97	489.09	-31.34	-37.99	484.70	-141.03	2.97
855	1/13/2021 18:54	1/13/2021 19:00	0:06:20	-30.01	-36.52	484.20	-11.92	-20.66	479.20	-140.76	3.24
856	1/13/2021 19:31	1/13/2021 19:32	0:01:10	50.21	90.23	494.05	48.88	96.47	494.02	-142.67	1.33
857	1/13/2021 19:34	1/13/2021 19:53	0:19:30	46.10	105.50	493.76	-6.35	160.43	488.38	-141.88	2.12
858	1/13/2021 19:54	1/13/2021 19:58	0:04:31	-8.34	161.87	488.54	-21.55	172.20	490.30	-141.12	2.88
859	1/13/2021 20:00	1/13/2021 20:04	0:04:20	-25.32	175.61	491.00	-36.70	-171.42	493.35	-140.03	3.97
860	1/13/2021 20:34	1/13/2021 20:43	0:09:39	-12.98	-45.38	479.31	15.99	-24.34	479.43	-141.51	2.49
861	1/13/2021 21:08	1/13/2021 21:28	0:19:10	45.25	83.75	493.69	-6.78	136.81	488.47	-141.87	2.13
862	1/13/2021 21:28	1/13/2021 21:30	0:02:01	-8.27	137.89	488.58	-14.22	142.31	489.22	-141.10	2.90
863	1/13/2021 22:09	1/13/2021 22:18	0:09:29	-10.07	-67.14	478.81	18.36	-46.37	479.91	-141.48	2.52
864	1/13/2021 23:10	1/13/2021 23:17	0:06:20	-31.52	134.18	492.30	-45.81	157.78	495.14	-142.16	1.84
865	1/13/2021 23:18	1/13/2021 23:26	0:08:10	-48.43	165.86	495.47	-49.88	-147.88	493.23	-142.82	1.18
866	1/13/2021 23:29	1/13/2021 23:36	0:06:50	-46.13	-134.42	491.16	-30.64	-109.00	484.43	-141.08	2.92
867	1/13/2021 23:37	1/13/2021 23:49	0:12:59	-29.30	-107.54	483.94	8.92	-77.53	478.46	-140.73	3.27
868	1/14/2021 0:34	1/14/2021 0:36	0:01:50	-2.12	85.66	488.14	-7.63	89.57	488.47	-143.30	0.70
869	1/14/2021 0:37	1/14/2021 0:41	0:04:40	-9.12	90.65	488.60	-22.77	101.50	490.55	-141.10	2.90
870	1/14/2021 0:42	1/14/2021 0:51	0:08:30	-26.04	104.53	491.18	-46.06	134.51	495.27	-139.98	4.02
871	1/14/2021 0:53	1/14/2021 1:00	0:07:10	-48.62	142.66	495.61	-50.69	-176.55	493.96	-142.82	1.18
872	1/14/2021 1:46	1/14/2021 1:49	0:02:40	51.10	-11.63	493.88	48.33	2.83	493.89	-142.45	1.55
873	1/14/2021 1:51	1/14/2021 2:07	0:16:01	45.38	11.63	493.55	2.97	58.15	487.91	-141.88	2.12
874	1/14/2021 2:17	1/14/2021 2:25	0:08:29	-26.44	80.98	491.17	-46.30	111.25	495.29	-139.99	4.01
875	1/14/2021 2:27	1/14/2021 2:31	0:04:00	-48.59	118.61	495.59	-51.74	140.95	495.35	-142.81	1.19
876	1/14/2021 2:41	1/14/2021 2:45	0:03:29	-38.71	-167.35	487.98	-29.89	-156.02	484.43	-140.98	3.02
877	1/14/2021 2:45	1/14/2021 3:07	0:21:51	-28.54	-154.60	483.95	34.64	-101.85	484.95	-140.74	3.26
878	1/14/2021 4:12	1/14/2021 4:29	0:17:20	-46.25	153.46	491.42	-0.34	-155.90	478.26	-140.70	3.30
879	1/14/2021 5:09	1/14/2021 5:19	0:09:51	20.86	-3.28	489.24	-8.41	18.36	488.32	-142.43	1.57
880	1/14/2021 5:20	1/14/2021 5:24	0:04:40	-9.90	19.44	488.47	-23.51	30.38	490.51	-141.11	2.89
881	1/14/2021 5:25	1/14/2021 5:32	0:06:20	-26.76	33.45	491.16	-42.42	54.44	494.50	-140.12	3.88
882	1/14/2021 5:44	1/14/2021 5:53	0:09:10	-49.03	120.33	492.83	-29.57	156.47	484.20	-141.06	2.94
883	1/14/2021 5:54	1/14/2021 6:11	0:17:20	-28.21	157.89	483.71	22.81	-162.21	481.10	-140.69	3.31
884	1/14/2021 6:39	1/14/2021 6:53	0:13:51	31.51	-37.62	491.07	-8.84	-5.26	488.45	-142.23	1.77
885	1/14/2021 6:54	1/14/2021 6:59	0:04:40	-10.33	-4.17	488.60	-23.91	6.82	490.66	-141.10	2.90
886	1/14/2021 7:00	1/14/2021 7:08	0:08:19	-27.16	9.92	491.31	-46.46	39.91	495.26	-140.07	3.93
887	1/14/2021 7:17	1/14/2021 7:27	0:10:10	-50.01	91.83	493.40	-29.18	132.96	483.98	-141.01	2.99
888	1/14/2021 7:28	1/14/2021 7:51	0:23:10	-27.82	134.36	483.50	38.53	-168.17	486.36	-140.71	3.29
889	1/14/2021 8:19	1/14/2021 8:28	0:08:20	15.67	-46.89	488.77	-9.26	-28.87	488.63	-142.44	1.56
890	1/14/2021 8:28	1/14/2021 8:33	0:04:40	-10.75	-27.78	488.78	-24.31	-16.73	490.89	-141.10	2.90
891	1/14/2021 8:34	1/14/2021 8:43	0:08:30	-27.55	-13.62	491.54	-46.97	17.46	495.47	-140.04	3.96
892	1/14/2021 8:55	1/14/2021 9:02	0:07:10	-45.51	83.66	491.01	-28.80	109.43	483.83	-140.95	3.05
893	1/14/2021 9:02	1/14/2021 9:19	0:16:10	-27.43	110.83	483.35	20.28	147.75	480.25	-140.77	3.23
894	1/14/2021 9:56	1/14/2021 10:02	0:05:39	7.33	-64.58	488.19	-9.69	-52.49	488.74	-142.44	1.56
895	1/14/2021 10:02	1/14/2021 10:07	0:04:40	-11.18	-51.39	488.90	-24.71	-40.29	491.06	-141.12	2.88
896	1/14/2021 10:08	1/14/2021 10:17	0:08:30	-27.94	-37.15	491.72	-47.20	-5.78	495.60	-140.05	3.95
897	1/14/2021 11:00	1/14/2021 11:03	0:03:39	38.42	143.81	486.00	46.00	158.84	489.31	-142.16	1.84
898	1/14/2021 11:05	1/14/2021 11:10	0:05:01	49.02	168.71	490.85	51.70	-162.79	493.33	-142.23	1.77
899	1/14/2021 11:11	1/14/2021 11:13	0:01:50	51.29	-156.96	493.55	49.76	-146.70	493.72	-142.68	1.32
900	1/14/2021 11:17	1/14/2021 11:36	0:19:30	44.09	-128.86	493.19	-9.62	-76.46	488.80	-141.81	2.19

Table 10 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)
901	1/14/2021 11:37	1/14/2021 11:41	0:04:29	-11.61	-74.99	489.02	-24.65	-64.27	491.13	-141.14	2.86
902	1/14/2021 11:43	1/14/2021 11:49	0:06:11	-28.33	-60.67	491.88	-43.24	-39.59	495.02	-140.15	3.85
903	1/14/2021 12:21	1/14/2021 12:38	0:16:50	1.81	86.00	477.87	46.24	135.58	489.52	-141.49	2.51
904	1/14/2021 12:39	1/14/2021 12:45	0:05:01	49.20	145.54	491.06	51.66	174.13	493.50	-142.18	1.82
905	1/14/2021 12:45	1/14/2021 12:47	0:01:21	51.21	179.94	493.71	50.13	-172.56	493.85	-143.39	0.61
906	1/14/2021 13:33	1/14/2021 13:45	0:12:01	-51.19	-11.89	494.50	-28.09	38.39	483.56	-141.05	2.95
907	1/14/2021 13:45	1/14/2021 13:53	0:07:40	-26.72	39.77	483.07	-4.30	57.77	478.08	-140.67	3.33
908	1/14/2021 14:03	1/14/2021 14:12	0:08:50	25.75	80.89	481.53	46.48	112.32	489.60	-141.54	2.46
909	1/14/2021 14:14	1/14/2021 14:17	0:03:40	49.37	122.36	491.13	51.78	143.18	493.12	-142.15	1.85
910	1/14/2021 14:42	1/14/2021 14:45	0:02:49	-1.98	-129.78	488.41	-10.47	-123.69	489.04	-143.10	0.90
911	1/14/2021 14:45	1/14/2021 14:50	0:04:40	-11.95	-122.59	489.21	-25.44	-111.38	491.40	-141.11	2.89
912	1/14/2021 14:51	1/14/2021 15:00	0:08:30	-28.65	-108.19	492.05	-47.60	-76.28	495.74	-140.08	3.92
913	1/14/2021 16:20	1/14/2021 16:24	0:04:40	-12.38	-146.19	489.31	-25.83	-134.92	491.51	-141.11	2.89
914	1/14/2021 16:26	1/14/2021 16:34	0:08:30	-29.03	-131.72	492.16	-47.81	-99.50	495.78	-140.04	3.96
915	1/14/2021 16:36	1/14/2021 16:39	0:03:00	-49.94	-90.83	495.91	-51.76	-73.69	495.45	-142.82	1.18
916	1/14/2021 16:58	1/14/2021 17:18	0:20:00	-14.90	2.12	479.56	41.58	53.41	487.26	-141.38	2.62
917	1/14/2021 17:31	1/14/2021 17:32	0:01:29	48.88	121.50	493.83	46.66	128.96	493.67	-142.42	1.58
918	1/14/2021 17:34	1/14/2021 17:53	0:19:29	43.29	137.16	493.24	-10.82	-171.28	489.13	-141.85	2.15
919	1/14/2021 17:54	1/14/2021 17:57	0:03:00	-12.80	-169.80	489.37	-21.54	-162.76	490.71	-141.13	2.87
920	1/14/2021 18:23	1/14/2021 18:28	0:04:59	-39.66	-48.11	488.15	-26.92	-32.21	482.98	-140.95	3.05
921	1/14/2021 18:28	1/14/2021 18:55	0:26:30	-25.53	-30.86	482.50	46.92	41.79	489.70	-140.70	3.30
922	1/14/2021 19:04	1/14/2021 19:06	0:02:29	49.89	93.03	493.78	46.42	105.72	493.59	-142.43	1.57
923	1/14/2021 19:08	1/14/2021 19:28	0:19:30	43.00	113.83	493.15	-11.25	165.11	489.16	-141.82	2.18
924	1/14/2021 19:28	1/14/2021 19:33	0:04:31	-13.22	166.60	489.40	-26.17	177.55	491.56	-141.14	2.86
925	1/14/2021 19:34	1/14/2021 19:38	0:03:49	-29.80	-178.75	492.30	-39.39	-166.25	494.31	-140.14	3.86
926	1/14/2021 20:06	1/14/2021 20:29	0:22:39	-14.06	-45.08	479.27	47.15	18.56	489.83	-141.52	2.48
927	1/14/2021 20:41	1/14/2021 20:41	0:00:00	46.18	82.47	493.60	46.18	82.47	493.60	-143.94	0.06
928	1/14/2021 20:43	1/14/2021 21:02	0:19:30	42.71	90.51	493.14	-11.67	141.50	489.26	-141.86	2.14
929	1/14/2021 21:02	1/14/2021 21:06	0:03:41	-13.16	142.62	489.44	-23.77	151.37	491.13	-141.12	2.88
930	1/14/2021 21:41	1/14/2021 22:03	0:21:59	-11.65	-67.18	478.79	47.37	-4.66	489.97	-141.49	2.51
931	1/14/2021 22:47	1/14/2021 22:51	0:03:40	-41.86	150.20	494.83	-48.40	166.84	495.82	-142.19	1.81
932	1/14/2021 22:53	1/14/2021 22:59	0:06:20	-50.34	175.70	495.88	-50.08	-147.82	493.55	-142.82	1.18
933	1/14/2021 23:02	1/14/2021 23:11	0:08:30	-46.17	-133.43	491.29	-26.18	-103.27	482.72	-141.02	2.98
934	1/14/2021 23:11	1/14/2021 23:23	0:11:39	-24.79	-101.94	482.25	9.84	-75.74	478.14	-140.73	3.27
935	1/15/2021 0:07	1/15/2021 0:11	0:03:59	-0.55	85.67	488.38	-12.52	94.29	489.31	-143.01	0.99
936	1/15/2021 0:11	1/15/2021 0:16	0:04:39	-14.00	95.41	489.51	-27.35	106.94	491.84	-141.12	2.88
937	1/15/2021 0:17	1/15/2021 0:25	0:08:30	-30.51	110.24	492.50	-48.59	143.65	495.95	-139.94	4.06
938	1/15/2021 0:27	1/15/2021 0:34	0:07:10	-50.32	151.64	496.02	-49.17	-167.41	493.17	-142.82	1.18
939	1/15/2021 1:20	1/15/2021 1:24	0:03:21	50.32	-5.02	493.67	45.72	11.89	493.40	-142.48	1.52
940	1/15/2021 1:25	1/15/2021 1:39	0:13:51	42.16	19.79	492.89	4.54	58.16	488.18	-141.87	2.13
941	1/15/2021 1:49	1/15/2021 1:50	0:01:01	-24.98	80.71	491.27	-27.75	83.40	491.84	-142.75	1.25
942	1/15/2021 1:51	1/15/2021 2:00	0:08:20	-30.89	86.73	492.51	-48.56	119.60	495.95	-139.96	4.04
943	1/15/2021 2:01	1/15/2021 2:04	0:02:59	-50.45	128.51	496.02	-51.79	145.86	495.44	-142.82	1.18
944	1/15/2021 2:16	1/15/2021 2:19	0:03:21	-34.31	-160.06	486.10	-25.39	-150.36	482.74	-141.00	3.00
945	1/15/2021 2:20	1/15/2021 2:40	0:19:51	-23.99	-149.05	482.28	33.74	-101.88	484.12	-140.71	3.29
946	1/15/2021 3:45	1/15/2021 4:01	0:16:00	-44.81	158.26	490.81	-1.92	-155.89	477.98	-140.70	3.30
947	1/15/2021 4:48	1/15/2021 4:54	0:05:41	3.68	10.92	488.08	-13.30	23.10	489.20	-142.43	1.57
948	1/15/2021 4:54	1/15/2021 4:59	0:04:40	-14.78	24.23	489.41	-28.07	35.88	491.83	-141.11	2.89
949	1/15/2021 5:00	1/15/2021 5:04	0:03:51	-31.20	39.24	492.50	-40.58	52.18	494.53	-139.97	4.03
950	1/15/2021 5:17	1/15/2021 5:43	0:26:00	-48.39	123.91	492.65	21.32	-162.40	480.25	-140.72	3.28
951	1/15/2021 6:12	1/15/2021 6:28	0:15:51	32.43	-37.57	491.19	-13.73	-0.50	489.34	-141.92	2.08
952	1/15/2021 6:28	1/15/2021 6:33	0:04:40	-15.20	0.64	489.55	-28.47	12.36	491.97	-141.10	2.90
953	1/15/2021 6:34	1/15/2021 6:42	0:07:59	-31.58	15.75	492.64	-48.47	47.47	495.87	-139.86	4.14
954	1/15/2021 6:50	1/15/2021 7:02	0:11:30	-49.68	94.63	493.39	-24.65	138.56	482.31	-141.11	2.89
955	1/15/2021 7:02	1/15/2021 7:25	0:22:41	-23.24	139.86	481.86	41.12	-162.74	486.96	-140.78	3.22
956	1/15/2021 7:52	1/15/2021 8:02	0:10:10	16.70	-46.58	489.00	-13.66	-24.48	489.47	-142.44	1.56
957	1/15/2021 8:03	1/15/2021 8:07	0:04:40	-15.62	-22.96	489.75	-28.85	-11.16	492.20	-141.12	2.88
958	1/15/2021 8:09	1/15/2021 8:17	0:08:20	-31.96	-7.75	492.87	-49.09	26.01	496.05	-139.77	4.23
959	1/15/2021 8:27	1/15/2021 8:36	0:09:30	-46.69	81.57	491.76	-24.25	115.01	482.15	-141.04	2.96
960	1/15/2021 8:37	1/15/2021 8:54	0:17:19	-22.83	116.29	481.70	28.20	156.21	481.97	-140.73	3.27

Table 10 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)
961	1/15/2021 9:29	1/15/2021 9:36	0:07:21	7.88	-63.86	488.41	-14.09	-48.08	489.61	-142.44	1.56
962	1/15/2021 9:37	1/15/2021 9:42	0:04:31	-16.05	-46.55	489.90	-28.79	-35.15	492.29	-141.13	2.87
963	1/15/2021 9:43	1/15/2021 9:50	0:07:49	-31.90	-31.74	492.96	-48.40	-0.62	496.10	-139.96	4.04
964	1/15/2021 10:49	1/15/2021 10:49	0:00:50	45.96	-132.28	493.21	44.44	-128.53	493.04	-142.80	1.20
965	1/15/2021 10:51	1/15/2021 11:11	0:19:40	41.03	-121.65	492.56	-14.51	-71.67	489.74	-141.92	2.08
966	1/15/2021 11:11	1/15/2021 11:16	0:04:40	-15.98	-70.53	489.96	-29.18	-58.66	492.45	-141.11	2.89
967	1/15/2021 11:17	1/15/2021 11:23	0:05:50	-32.28	-55.23	493.12	-45.44	-33.47	495.78	-139.92	4.08
968	1/15/2021 11:54	1/15/2021 12:12	0:17:59	2.76	87.79	477.51	48.53	143.97	490.24	-141.45	2.55
969	1/15/2021 12:13	1/15/2021 12:13	0:00:00	50.11	151.05	491.17	50.11	151.05	491.17	-143.93	0.07
970	1/15/2021 12:14	1/15/2021 12:19	0:05:00	50.72	154.75	491.59	50.88	-176.18	493.46	-141.90	2.10
971	1/15/2021 12:21	1/15/2021 12:22	0:00:50	48.80	-165.31	493.56	47.62	-161.09	493.50	-143.14	0.86
972	1/15/2021 12:26	1/15/2021 12:45	0:19:19	39.97	-143.75	492.54	-14.93	-95.27	489.92	-141.94	2.06
973	1/15/2021 12:45	1/15/2021 12:50	0:04:40	-16.40	-94.12	490.14	-29.57	-82.18	492.64	-141.10	2.90
974	1/15/2021 12:51	1/15/2021 12:51	0:00:00	-32.65	-78.71	493.30	-32.65	-78.71	493.30	-143.58	0.42
975	1/15/2021 13:35	1/15/2021 13:46	0:10:40	24.77	81.08	480.77	48.72	120.78	490.32	-141.30	2.70
976	1/15/2021 13:47	1/15/2021 13:47	0:00:00	50.25	127.91	491.25	50.25	127.91	491.25	-143.91	0.09
977	1/15/2021 13:48	1/15/2021 13:51	0:02:59	50.83	131.63	491.66	51.75	149.13	493.03	-141.83	2.17
978	1/15/2021 14:14	1/15/2021 14:19	0:04:59	-0.42	-129.75	488.62	-15.35	-118.87	490.01	-142.61	1.39
979	1/15/2021 14:20	1/15/2021 14:25	0:04:40	-16.82	-117.72	490.23	-29.95	-105.69	492.72	-141.11	2.89
980	1/15/2021 14:26	1/15/2021 14:32	0:06:50	-33.01	-102.20	493.38	-47.57	-75.25	496.11	-139.64	4.36
981	1/15/2021 15:52	1/15/2021 15:53	0:01:20	-11.34	-145.85	489.51	-15.28	-142.85	490.04	-143.34	0.66
982	1/15/2021 15:54	1/15/2021 15:59	0:04:29	-17.23	-141.31	490.34	-29.89	-129.69	492.74	-141.13	2.87
983	1/15/2021 16:00	1/15/2021 16:08	0:08:30	-32.95	-126.20	493.39	-49.74	-90.70	496.25	-139.81	4.19
984	1/15/2021 16:10	1/15/2021 16:12	0:01:41	-51.18	-81.41	496.12	-51.78	-71.69	495.69	-142.82	1.18
985	1/15/2021 17:04	1/15/2021 17:06	0:02:30	47.98	125.96	493.52	43.65	137.52	493.10	-142.45	1.55
986	1/15/2021 17:08	1/15/2021 17:22	0:13:41	39.75	144.83	492.55	1.72	-179.10	488.61	-141.99	2.01
987	1/15/2021 17:57	1/15/2021 18:28	0:31:30	-36.55	-42.29	486.78	48.17	46.95	489.89	-140.68	3.32
988	1/15/2021 18:38	1/15/2021 18:41	0:02:40	48.01	101.92	493.46	43.37	114.21	493.01	-142.44	1.56
989	1/15/2021 18:42	1/15/2021 18:52	0:09:11	39.80	120.83	492.51	15.22	147.11	489.07	-142.00	2.00
990	1/15/2021 19:39	1/15/2021 20:03	0:24:19	-15.09	-44.75	479.28	49.04	26.34	490.39	-141.42	2.58
991	1/15/2021 20:13	1/15/2021 20:15	0:02:00	47.03	81.17	493.43	43.41	90.19	493.05	-142.43	1.57
992	1/15/2021 20:17	1/15/2021 20:37	0:19:40	39.47	97.44	492.49	-16.55	146.37	490.26	-142.01	1.99
993	1/15/2021 20:37	1/15/2021 20:42	0:04:30	-18.01	147.55	490.49	-30.60	159.31	492.89	-141.10	2.90
994	1/15/2021 21:14	1/15/2021 21:37	0:23:29	-13.67	-67.59	478.95	48.57	0.58	490.16	-141.46	2.54
995	1/15/2021 22:23	1/15/2021 22:26	0:02:21	-47.14	163.77	496.05	-50.17	175.83	496.22	-142.13	1.87
996	1/15/2021 22:27	1/15/2021 22:52	0:25:10	-51.32	-175.71	496.05	-0.23	-81.80	477.37	-140.60	3.40
997	1/15/2021 22:55	1/15/2021 23:09	0:14:39	7.80	-76.10	477.54	45.94	-31.59	488.83	-141.44	2.56
998	1/15/2021 23:43	1/15/2021 23:45	0:02:21	-10.02	93.55	489.34	-16.91	98.81	490.28	-143.13	0.87
999	1/15/2021 23:45	1/15/2021 23:50	0:04:40	-18.36	99.98	490.52	-31.36	112.32	493.08	-141.10	2.90
1000	1/15/2021 23:51	1/16/2021 0:00	0:08:19	-34.37	115.93	493.74	-50.14	151.78	496.36	-139.84	4.16
1001	1/16/2021 0:01	1/16/2021 0:09	0:07:51	-51.40	161.20	496.17	-45.95	-155.63	491.52	-142.78	1.22
1002	1/16/2021 0:53	1/16/2021 0:53	0:00:10	50.33	-3.94	493.36	50.16	-3.02	493.38	-143.81	0.19
1003	1/16/2021 0:56	1/16/2021 0:58	0:02:30	47.13	9.05	493.30	42.53	20.20	492.77	-142.39	1.61
1004	1/16/2021 1:00	1/16/2021 1:11	0:11:39	38.86	26.63	492.22	6.56	57.83	488.42	-142.07	1.93
1005	1/16/2021 1:51	1/16/2021 1:56	0:04:50	-27.73	-151.53	483.47	-13.88	-139.53	479.36	-140.61	3.39
1006	1/16/2021 1:57	1/16/2021 2:12	0:15:29	-12.39	-138.40	479.05	32.85	-101.83	483.31	-141.40	2.60
1007	1/16/2021 2:28	1/16/2021 2:28	0:00:00	50.02	-26.17	493.32	50.02	-26.17	493.32	-143.83	0.17
1008	1/16/2021 2:30	1/16/2021 2:32	0:02:21	46.90	-14.18	493.22	42.58	-3.82	492.70	-142.35	1.65
1009	1/16/2021 2:34	1/16/2021 2:48	0:13:39	38.53	3.23	492.09	0.12	38.47	488.37	-142.07	1.93
1010	1/16/2021 3:19	1/16/2021 3:34	0:14:31	-42.87	163.62	489.97	-3.46	-155.85	477.76	-140.67	3.33
1011	1/16/2021 3:36	1/16/2021 3:46	0:09:50	5.09	-149.83	477.56	33.23	-125.31	483.42	-141.43	2.57
1012	1/16/2021 3:47	1/16/2021 3:51	0:03:50	34.50	-123.72	483.89	43.30	-109.57	487.47	-141.64	2.36
1013	1/16/2021 4:51	1/16/2021 5:15	0:24:29	-47.17	129.12	492.15	19.37	-162.93	479.34	-140.54	3.46
1014	1/16/2021 5:44	1/16/2021 6:02	0:17:50	33.73	-38.02	491.33	-18.11	4.07	490.35	-142.11	1.89
1015	1/16/2021 6:03	1/16/2021 6:07	0:04:40	-19.55	5.26	490.60	-32.44	17.86	493.22	-141.08	2.92
1016	1/16/2021 6:08	1/16/2021 6:15	0:06:20	-35.40	21.56	493.87	-48.22	47.71	496.21	-139.76	4.24
1017	1/16/2021 6:24	1/16/2021 6:39	0:15:01	-49.10	98.36	493.24	-13.08	149.31	479.02	-140.43	3.57
1018	1/16/2021 6:39	1/16/2021 6:59	0:19:39	-11.60	150.42	478.73	43.21	-157.59	487.39	-141.37	2.63
1019	1/16/2021 7:24	1/16/2021 7:36	0:12:00	17.20	-45.86	489.14	-18.52	-19.51	490.56	-142.45	1.55
1020	1/16/2021 7:37	1/16/2021 7:42	0:04:40	-19.97	-18.31	490.82	-32.81	-5.62	493.45	-141.07	2.93

Table 10 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)
1021	1/16/2021 7:43	1/16/2021 7:50	0:07:10	-35.76	-1.88	494.09	-49.49	28.85	496.42	-139.72	4.28
1022	1/16/2021 7:59	1/16/2021 8:13	0:14:00	-47.50	80.24	492.37	-12.66	125.70	478.87	-140.41	3.59
1023	1/16/2021 8:14	1/16/2021 8:29	0:15:31	-11.17	126.82	478.58	33.91	163.77	483.44	-141.36	2.64
1024	1/16/2021 9:02	1/16/2021 9:11	0:08:49	7.89	-62.74	488.58	-18.46	-43.49	490.64	-142.45	1.55
1025	1/16/2021 9:11	1/16/2021 9:14	0:02:30	-20.39	-41.88	490.99	-27.42	-35.43	492.39	-141.07	2.93
1026	1/16/2021 9:14	1/16/2021 9:16	0:01:40	-28.78	-34.04	492.68	-33.18	-29.10	493.64	-142.64	1.36
1027	1/16/2021 9:17	1/16/2021 9:24	0:06:50	-35.71	-25.88	494.20	-49.06	3.05	496.52	-139.86	4.14
1028	1/16/2021 10:11	1/16/2021 10:12	0:00:41	49.20	171.72	490.05	49.96	175.29	490.52	-143.11	0.89
1029	1/16/2021 10:13	1/16/2021 10:17	0:03:50	51.10	-177.26	491.34	51.30	-154.83	492.85	-141.30	2.70
1030	1/16/2021 10:18	1/16/2021 10:20	0:02:39	50.87	-151.02	492.98	47.85	-136.77	493.09	-143.18	0.82
1031	1/16/2021 10:22	1/16/2021 10:24	0:02:10	45.37	-129.64	492.91	41.03	-120.54	492.38	-142.39	1.61
1032	1/16/2021 10:26	1/16/2021 10:41	0:15:29	37.20	-114.42	491.82	-7.07	-76.07	489.15	-142.15	1.85
1033	1/16/2021 10:44	1/16/2021 10:45	0:01:10	-15.48	-69.79	490.22	-18.88	-67.06	490.79	-143.34	0.66
1034	1/16/2021 10:46	1/16/2021 10:48	0:02:40	-20.33	-65.86	491.05	-27.82	-58.95	492.54	-141.09	2.91
1035	1/16/2021 10:49	1/16/2021 10:50	0:01:40	-29.17	-57.55	492.83	-33.56	-52.57	493.79	-142.60	1.40
1036	1/16/2021 10:51	1/16/2021 10:57	0:05:11	-36.06	-49.32	494.33	-46.85	-28.49	496.36	-139.83	4.17
1037	1/16/2021 11:32	1/16/2021 11:46	0:13:30	19.60	101.57	479.05	49.94	151.25	490.61	-141.35	2.65
1038	1/16/2021 11:47	1/16/2021 11:51	0:03:50	51.19	159.65	491.54	51.22	-177.92	493.01	-141.20	2.80
1039	1/16/2021 11:52	1/16/2021 11:55	0:02:50	50.75	-174.12	493.13	47.37	-159.16	493.20	-143.25	0.75
1040	1/16/2021 11:58	1/16/2021 11:58	0:00:11	41.08	-144.55	492.52	40.71	-143.91	492.47	-143.80	0.20
1041	1/16/2021 12:00	1/16/2021 12:19	0:19:30	36.85	-137.84	491.90	-19.30	-90.64	490.97	-142.17	1.83
1042	1/16/2021 12:20	1/16/2021 12:25	0:04:40	-20.74	-89.43	491.23	-33.50	-76.56	493.88	-141.09	2.91
1043	1/16/2021 12:26	1/16/2021 12:27	0:01:00	-36.42	-72.76	494.52	-38.80	-69.25	495.02	-140.87	3.13
1044	1/16/2021 13:47	1/16/2021 13:54	0:06:40	0.58	-129.33	488.81	-19.23	-114.63	490.99	-142.45	1.55
1045	1/16/2021 13:54	1/16/2021 13:59	0:04:40	-21.15	-113.00	491.33	-33.86	-100.04	493.96	-141.07	2.93
1046	1/16/2021 14:00	1/16/2021 14:05	0:05:09	-36.76	-96.19	494.58	-47.31	-74.95	496.47	-139.79	4.21
1047	1/16/2021 14:14	1/16/2021 14:30	0:16:40	-50.32	-27.26	494.22	-11.43	30.92	478.44	-140.13	3.87
1048	1/16/2021 14:31	1/16/2021 14:38	0:06:51	-9.94	32.02	478.17	10.62	46.71	477.47	-141.83	2.17
1049	1/16/2021 15:25	1/16/2021 15:28	0:02:21	-12.83	-143.61	490.01	-19.65	-138.20	491.09	-143.13	0.87
1050	1/16/2021 15:28	1/16/2021 15:31	0:02:39	-21.09	-136.98	491.35	-28.54	-129.99	492.84	-141.08	2.92
1051	1/16/2021 15:31	1/16/2021 15:33	0:01:40	-29.88	-128.57	493.12	-34.23	-123.50	494.06	-142.56	1.44
1052	1/16/2021 15:34	1/16/2021 15:43	0:09:00	-36.71	-120.20	494.59	-51.37	-78.38	496.39	-139.89	4.11
1053	1/16/2021 15:44	1/16/2021 15:44	0:00:20	-51.69	-73.52	496.17	-51.76	-71.56	496.06	-143.44	0.56
1054	1/16/2021 16:38	1/16/2021 16:38	0:00:29	46.95	130.36	493.19	46.12	132.72	493.13	-143.47	0.53
1055	1/16/2021 16:39	1/16/2021 16:41	0:02:00	44.30	137.22	492.95	40.12	145.34	492.43	-142.51	1.49
1056	1/16/2021 16:43	1/16/2021 17:02	0:18:51	35.79	151.85	491.80	-18.62	-162.98	490.93	-142.17	1.83
1057	1/16/2021 17:32	1/16/2021 17:34	0:02:50	-31.47	-34.78	484.60	-23.71	-26.92	481.67	-142.13	1.87
1058	1/16/2021 17:35	1/16/2021 17:39	0:04:01	-22.29	-25.65	481.20	-10.57	-16.29	478.21	-140.32	3.68
1059	1/16/2021 17:40	1/16/2021 17:55	0:15:20	-9.08	-15.19	477.95	35.26	21.95	483.65	-141.27	2.73
1060	1/16/2021 17:56	1/16/2021 18:01	0:05:19	36.91	24.20	484.29	47.68	46.41	489.15	-141.98	2.02
1061	1/16/2021 18:10	1/16/2021 18:13	0:02:11	48.92	99.65	493.19	45.57	110.23	493.02	-143.22	0.78
1062	1/16/2021 18:13	1/16/2021 18:15	0:01:59	44.02	113.92	492.87	39.80	121.96	492.34	-142.41	1.59
1063	1/16/2021 18:17	1/16/2021 18:17	0:00:30	35.85	127.85	491.77	34.60	129.49	491.58	-143.33	0.67
1064	1/16/2021 19:11	1/16/2021 19:13	0:02:01	-16.07	-44.40	479.33	-10.14	-39.89	478.06	-140.37	3.63
1065	1/16/2021 19:14	1/16/2021 19:29	0:15:20	-8.64	-38.80	477.81	35.63	-1.49	483.78	-141.25	2.75
1066	1/16/2021 19:30	1/16/2021 19:36	0:06:40	36.86	0.20	484.26	49.45	29.24	490.17	-142.00	2.00
1067	1/16/2021 19:45	1/16/2021 19:47	0:01:49	48.04	79.03	493.20	45.01	87.72	492.99	-143.07	0.93
1068	1/16/2021 19:48	1/16/2021 19:50	0:01:59	43.73	90.62	492.86	39.46	98.58	492.31	-142.49	1.51
1069	1/16/2021 19:51	1/16/2021 20:11	0:19:21	35.48	104.41	491.74	-20.43	150.68	491.25	-142.15	1.85
1070	1/16/2021 20:11	1/16/2021 20:14	0:02:29	-22.33	152.33	491.60	-29.27	159.00	493.00	-141.07	2.93
1071	1/16/2021 20:14	1/16/2021 20:16	0:01:40	-30.60	160.44	493.28	-34.91	165.59	494.20	-142.46	1.54
1072	1/16/2021 20:49	1/16/2021 21:03	0:14:29	-6.20	-60.97	477.44	35.58	-25.48	483.76	-141.30	2.70
1073	1/16/2021 21:04	1/16/2021 21:10	0:06:19	37.21	-23.22	484.41	49.22	4.32	490.07	-142.03	1.97
1074	1/16/2021 21:27	1/16/2021 21:41	0:13:49	31.70	85.15	491.23	-8.61	117.57	489.55	-142.14	1.86
1075	1/16/2021 21:58	1/16/2021 22:01	0:02:30	-49.82	175.15	496.59	-51.62	-170.70	496.21	-142.34	1.66
1076	1/16/2021 22:01	1/16/2021 22:07	0:05:50	-51.74	-167.76	496.05	-47.54	-135.23	492.37	-142.79	1.21
1077	1/16/2021 22:07	1/16/2021 22:22	0:14:30	-46.75	-132.81	491.91	-9.76	-87.47	478.05	-140.07	3.93
1078	1/16/2021 22:22	1/16/2021 22:27	0:04:40	-8.27	-86.38	477.81	5.80	-76.41	477.04	-141.88	2.12
1079	1/16/2021 23:21	1/16/2021 23:23	0:01:31	-25.96	107.81	492.32	-30.04	111.98	493.19	-141.11	2.89
1080	1/16/2021 23:23	1/16/2021 23:25	0:01:31	-31.37	113.45	493.48	-35.22	118.15	494.32	-142.21	1.79

Table 10 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)
1081	1/16/2021 23:26	1/16/2021 23:29	0:03:41	-38.05	122.13	494.92	-45.71	136.95	496.35	-139.66	4.34
1082	1/16/2021 23:30	1/16/2021 23:35	0:04:50	-46.56	139.28	496.47	-51.61	165.25	496.38	-141.99	2.01
1083	1/16/2021 23:35	1/16/2021 23:41	0:05:51	-51.77	169.16	496.17	-47.32	-158.45	492.45	-142.80	1.20
1084	1/17/2021 0:26	1/17/2021 0:30	0:03:59	49.99	-0.95	493.06	43.86	18.56	492.73	-142.68	1.32
1085	1/17/2021 0:31	1/17/2021 0:33	0:02:10	42.86	20.67	492.61	38.06	28.98	491.95	-142.97	1.03
1086	1/17/2021 0:34	1/17/2021 0:44	0:09:20	34.39	34.05	491.39	8.04	57.90	488.62	-142.15	1.85
1087	1/17/2021 0:54	1/17/2021 0:57	0:02:30	-23.09	81.23	491.66	-29.99	87.99	493.11	-141.08	2.92
1088	1/17/2021 0:57	1/17/2021 0:59	0:01:40	-31.31	89.46	493.41	-35.58	94.70	494.35	-142.20	1.80
1089	1/17/2021 1:00	1/17/2021 1:09	0:09:00	-38.39	98.72	494.96	-51.66	142.17	496.38	-139.96	4.04
1090	1/17/2021 1:10	1/17/2021 1:12	0:02:30	-51.76	145.11	496.23	-51.11	159.73	495.06	-142.82	1.18
1091	1/17/2021 2:00	1/17/2021 2:01	0:01:00	49.84	-24.10	493.00	48.63	-18.82	493.02	-143.19	0.81
1092	1/17/2021 2:02	1/17/2021 2:04	0:02:29	47.92	-16.29	492.99	43.57	-4.75	492.61	-142.64	1.36
1093	1/17/2021 2:05	1/17/2021 2:07	0:02:10	42.56	-2.66	492.48	37.72	5.57	491.80	-143.11	0.89
1094	1/17/2021 2:09	1/17/2021 2:26	0:17:59	34.45	10.05	491.30	-17.77	52.77	490.57	-142.13	1.87
1095	1/17/2021 2:53	1/17/2021 3:05	0:11:31	-39.99	170.03	488.68	-8.47	-158.30	478.09	-140.54	3.46
1096	1/17/2021 3:05	1/17/2021 3:20	0:15:09	-6.96	-157.22	477.87	36.59	-119.80	484.18	-141.29	2.71
1097	1/17/2021 3:21	1/17/2021 3:23	0:02:01	38.19	-117.47	484.81	42.63	-109.80	486.68	-142.02	1.98
1098	1/17/2021 4:24	1/17/2021 4:25	0:00:39	-46.34	132.66	491.88	-45.17	135.72	491.24	-143.51	0.49
1099	1/17/2021 4:26	1/17/2021 4:39	0:13:19	-43.90	138.65	490.58	-8.53	177.73	478.05	-140.52	3.48
1100	1/17/2021 4:40	1/17/2021 4:41	0:01:50	-7.03	178.81	477.83	-1.50	-177.27	477.27	-141.74	2.26
1101	1/17/2021 4:42	1/17/2021 4:48	0:06:00	0.01	-176.21	477.19	17.93	-162.98	478.61	-142.14	1.86
1102	1/17/2021 5:20	1/17/2021 5:40	0:20:00	27.52	-29.99	490.30	-30.71	17.01	493.23	-141.10	2.90
1103	1/17/2021 5:40	1/17/2021 5:42	0:01:41	-32.02	18.50	493.52	-36.24	23.83	494.45	-141.92	2.08
1104	1/17/2021 5:43	1/17/2021 5:46	0:03:30	-39.02	27.92	495.04	-46.14	42.40	496.35	-139.98	4.02
1105	1/17/2021 5:57	1/17/2021 5:59	0:01:51	-47.96	103.79	492.76	-44.90	112.45	491.05	-143.23	0.77
1106	1/17/2021 6:00	1/17/2021 6:13	0:13:21	-43.62	115.35	490.38	-8.09	154.12	477.91	-140.52	3.48
1107	1/17/2021 6:14	1/17/2021 6:16	0:01:49	-6.59	155.20	477.69	-1.06	159.12	477.17	-141.96	2.04
1108	1/17/2021 6:16	1/17/2021 6:29	0:12:50	0.45	160.18	477.10	36.90	-167.22	484.24	-141.16	2.84
1109	1/17/2021 6:30	1/17/2021 6:33	0:02:50	38.87	-164.26	485.03	44.85	-152.83	487.65	-141.96	2.04
1110	1/17/2021 6:57	1/17/2021 7:14	0:16:50	18.14	-45.49	489.28	-31.09	-6.49	493.45	-141.08	2.92
1111	1/17/2021 7:14	1/17/2021 7:16	0:01:40	-32.40	-4.98	493.74	-36.60	0.40	494.67	-142.14	1.86
1112	1/17/2021 7:17	1/17/2021 7:21	0:03:39	-38.97	3.92	495.17	-46.39	19.15	496.51	-139.85	4.15
1113	1/17/2021 7:21	1/17/2021 7:23	0:01:40	-47.20	21.54	496.61	-49.49	30.02	496.79	-141.90	2.10
1114	1/17/2021 7:32	1/17/2021 7:33	0:01:39	-47.74	80.58	492.71	-44.94	88.43	491.13	-143.15	0.85
1115	1/17/2021 7:34	1/17/2021 7:48	0:13:21	-43.33	92.03	490.28	-7.66	130.51	477.76	-140.63	3.37
1116	1/17/2021 7:48	1/17/2021 7:50	0:01:49	-6.15	131.59	477.55	-0.62	135.50	477.05	-142.22	1.78
1117	1/17/2021 7:50	1/17/2021 8:03	0:12:40	0.89	136.56	476.99	36.84	168.79	484.07	-141.24	2.76
1118	1/17/2021 8:34	1/17/2021 8:48	0:13:40	8.36	-61.95	488.74	-31.48	-29.98	493.66	-141.09	2.91
1119	1/17/2021 8:49	1/17/2021 8:50	0:01:39	-32.78	-28.46	493.95	-36.95	-23.03	494.87	-142.00	2.00
1120	1/17/2021 8:51	1/17/2021 8:55	0:03:39	-39.31	-19.47	495.37	-46.63	-4.09	496.67	-139.78	4.22
1121	1/17/2021 8:56	1/17/2021 8:57	0:01:39	-47.43	-1.68	496.76	-49.66	6.88	496.91	-141.81	2.19
1122	1/17/2021 9:45	1/17/2021 9:46	0:00:20	50.74	-178.91	490.60	51.00	-177.02	490.80	-143.39	0.61
1123	1/17/2021 9:47	1/17/2021 9:50	0:02:21	51.71	-168.31	491.60	51.39	-154.60	492.44	-141.36	2.64
1124	1/17/2021 9:52	1/17/2021 9:53	0:01:10	49.58	-142.47	492.78	48.07	-136.42	492.79	-142.43	1.57
1125	1/17/2021 9:54	1/17/2021 9:56	0:02:30	46.79	-132.34	492.74	42.08	-121.34	492.30	-142.60	1.40
1126	1/17/2021 9:57	1/17/2021 9:58	0:00:31	40.27	-118.08	492.07	39.13	-116.22	491.93	-143.78	0.22
1127	1/17/2021 9:58	1/17/2021 9:59	0:00:50	37.97	-114.42	491.77	35.95	-111.54	491.49	-142.78	1.22
1128	1/17/2021 9:59	1/17/2021 10:13	0:14:00	34.71	-109.90	491.31	-5.61	-75.98	489.27	-142.11	1.89
1129	1/17/2021 10:16	1/17/2021 10:23	0:06:20	-14.05	-69.78	490.31	-31.86	-53.46	493.80	-141.14	2.86
1130	1/17/2021 10:23	1/17/2021 10:24	0:01:29	-33.16	-51.93	494.09	-36.90	-47.02	494.91	-141.78	2.22
1131	1/17/2021 10:26	1/17/2021 10:29	0:03:29	-39.64	-42.85	495.49	-46.60	-28.10	496.71	-140.15	3.85
1132	1/17/2021 10:30	1/17/2021 10:30	0:00:20	-47.65	-24.88	496.83	-48.14	-23.22	496.88	-143.00	1.00
1133	1/17/2021 11:30	1/17/2021 11:31	0:00:11	42.12	-145.35	492.43	41.77	-144.69	492.39	-143.36	0.64
1134	1/17/2021 11:31	1/17/2021 11:33	0:01:50	39.94	-141.46	492.16	35.59	-134.98	491.56	-142.74	1.26
1135	1/17/2021 11:34	1/17/2021 11:46	0:12:41	34.34	-133.35	491.38	-2.04	-102.44	489.11	-142.09	1.91
1136	1/17/2021 12:12	1/17/2021 12:14	0:01:40	-50.29	-2.02	494.53	-48.31	6.82	493.20	-143.51	0.49
1137	1/17/2021 12:15	1/17/2021 12:16	0:01:49	-47.33	10.13	492.60	-44.11	18.56	490.80	-143.04	0.96
1138	1/17/2021 12:17	1/17/2021 12:30	0:12:39	-42.78	21.38	490.09	-8.85	57.87	477.83	-140.95	3.05
1139	1/17/2021 12:40	1/17/2021 12:46	0:05:50	21.96	80.79	479.11	37.49	97.95	484.15	-141.20	2.80
1140	1/17/2021 12:47	1/17/2021 12:54	0:07:19	39.83	101.58	485.11	51.19	136.80	491.07	-141.72	2.28

Table 10 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)
1141	1/17/2021 12:56	1/17/2021 12:58	0:02:30	51.73	144.57	491.76	51.22	159.23	492.63	-141.59	2.41
1142	1/17/2021 13:47	1/17/2021 13:48	0:01:40	-50.15	-25.15	494.35	-48.11	-16.38	493.00	-143.50	0.50
1143	1/17/2021 13:49	1/17/2021 13:51	0:01:49	-47.10	-13.09	492.39	-43.83	-4.74	490.56	-142.91	1.09
1144	1/17/2021 13:52	1/17/2021 14:05	0:13:19	-42.48	-1.95	489.86	-6.41	35.71	477.38	-140.97	3.03
1145	1/17/2021 14:05	1/17/2021 14:07	0:01:51	-4.90	36.78	477.19	0.63	40.68	476.77	-142.02	1.98
1146	1/17/2021 14:08	1/17/2021 14:12	0:04:49	2.14	41.75	476.73	16.58	52.39	477.92	-142.15	1.85
1147	1/17/2021 14:58	1/17/2021 15:05	0:07:40	-10.89	-143.93	490.05	-32.56	-124.42	494.08	-141.13	2.87
1148	1/17/2021 15:06	1/17/2021 15:07	0:01:29	-33.84	-122.86	494.36	-37.55	-117.87	495.16	-141.87	2.13
1149	1/17/2021 15:08	1/17/2021 15:12	0:03:30	-40.24	-113.62	495.71	-47.03	-98.60	496.82	-140.40	3.60
1150	1/17/2021 15:13	1/17/2021 15:13	0:00:10	-48.05	-95.33	496.92	-48.29	-94.49	496.93	-143.08	0.92
1151	1/17/2021 15:30	1/17/2021 15:39	0:08:40	-30.94	-9.13	484.40	-5.97	12.10	477.28	-141.03	2.97
1152	1/17/2021 15:40	1/17/2021 15:41	0:01:40	-4.47	13.17	477.10	0.57	16.71	476.73	-142.15	1.85
1153	1/17/2021 16:11	1/17/2021 16:13	0:02:10	45.51	135.45	492.80	41.19	144.60	492.36	-142.66	1.34
1154	1/17/2021 16:14	1/17/2021 16:14	0:00:10	40.09	146.53	492.23	39.71	147.15	492.18	-143.85	0.15
1155	1/17/2021 16:15	1/17/2021 16:34	0:18:40	36.97	151.34	491.81	-16.73	-163.38	490.93	-142.08	1.92
1156	1/17/2021 17:07	1/17/2021 17:14	0:06:20	-24.14	-26.19	481.74	-5.53	-11.52	477.20	-141.14	2.86
1157	1/17/2021 17:14	1/17/2021 17:16	0:01:40	-4.03	-10.45	477.03	1.01	-6.90	476.68	-141.91	2.09
1158	1/17/2021 17:16	1/17/2021 17:29	0:12:40	2.52	-5.84	476.65	38.14	27.13	484.28	-141.16	2.84
1159	1/17/2021 17:30	1/17/2021 17:32	0:02:40	40.44	30.83	485.24	45.79	42.04	487.70	-141.52	2.48
1160	1/17/2021 17:44	1/17/2021 17:44	0:00:21	47.99	104.27	492.86	47.49	105.92	492.85	-142.11	1.89
1161	1/17/2021 17:45	1/17/2021 17:48	0:02:30	46.13	109.90	492.78	41.24	120.60	492.31	-142.61	1.39
1162	1/17/2021 17:48	1/17/2021 17:48	0:00:11	39.76	123.15	492.13	39.38	123.77	492.08	-143.78	0.22
1163	1/17/2021 17:49	1/17/2021 18:12	0:22:30	37.02	127.34	491.77	-27.56	-177.71	492.99	-142.09	1.91
1164	1/17/2021 18:44	1/17/2021 18:48	0:03:50	-17.01	-44.02	479.43	-5.59	-35.48	477.14	-141.32	2.68
1165	1/17/2021 18:48	1/17/2021 18:50	0:01:41	-3.58	-34.06	476.92	1.45	-30.51	476.61	-141.76	2.24
1166	1/17/2021 18:50	1/17/2021 19:03	0:12:31	2.96	-29.45	476.59	38.09	3.14	484.26	-141.18	2.82
1167	1/17/2021 19:04	1/17/2021 19:09	0:05:09	40.39	6.83	485.22	49.47	30.46	489.71	-141.43	2.57
1168	1/17/2021 19:18	1/17/2021 19:18	0:00:59	48.71	77.70	492.88	47.26	82.71	492.86	-142.30	1.70
1169	1/17/2021 19:19	1/17/2021 19:22	0:02:31	45.87	86.66	492.78	40.92	97.25	492.29	-142.54	1.46
1170	1/17/2021 19:22	1/17/2021 19:23	0:00:21	39.80	99.15	492.15	39.04	100.39	492.06	-143.63	0.37
1171	1/17/2021 19:24	1/17/2021 19:48	0:24:31	36.67	103.92	491.74	-33.26	164.65	494.24	-141.12	2.88
1172	1/17/2021 19:49	1/17/2021 19:50	0:01:40	-34.53	166.24	494.51	-38.58	171.92	495.36	-141.82	2.18
1173	1/17/2021 20:21	1/17/2021 20:22	0:00:31	-6.65	-60.17	477.25	-5.15	-59.09	477.06	-142.44	1.56
1174	1/17/2021 20:23	1/17/2021 20:24	0:01:49	-3.64	-58.02	476.90	1.89	-54.12	476.57	-141.87	2.13
1175	1/17/2021 20:25	1/17/2021 20:37	0:12:31	3.40	-53.06	476.56	38.44	-20.26	484.41	-141.09	2.91
1176	1/17/2021 20:38	1/17/2021 20:43	0:05:10	40.72	-16.53	485.37	49.63	7.32	489.85	-141.54	2.46
1177	1/17/2021 20:59	1/17/2021 21:18	0:18:31	33.38	84.29	491.35	-20.42	127.87	491.60	-142.12	1.88
1178	1/17/2021 21:32	1/17/2021 21:34	0:01:40	-51.03	-176.21	496.81	-51.75	-166.54	496.37	-142.49	1.51
1179	1/17/2021 21:34	1/17/2021 21:40	0:05:31	-51.79	-163.59	496.18	-47.26	-133.21	492.40	-142.74	1.26
1180	1/17/2021 21:41	1/17/2021 21:42	0:01:40	-45.88	-129.26	491.60	-42.69	-121.99	489.87	-143.09	0.91
1181	1/17/2021 21:43	1/17/2021 21:56	0:13:21	-41.28	-119.31	489.15	-4.71	-82.70	477.09	-141.43	2.57
1182	1/17/2021 21:57	1/17/2021 21:59	0:01:41	-3.20	-81.64	476.94	1.83	-78.09	476.66	-142.18	1.82
1183	1/17/2021 21:59	1/17/2021 21:59	0:00:10	3.85	-76.67	476.65	4.35	-76.32	476.65	-143.13	0.87
1184	1/17/2021 23:00	1/17/2021 23:03	0:03:31	-41.12	128.29	495.95	-47.65	143.72	496.98	-140.67	3.33
1185	1/17/2021 23:04	1/17/2021 23:08	0:04:01	-48.60	147.07	497.05	-51.74	169.42	496.54	-142.01	1.99
1186	1/17/2021 23:09	1/17/2021 23:13	0:04:19	-51.79	172.36	496.36	-48.96	-163.12	493.66	-142.78	1.22
1187	1/17/2021 23:13	1/17/2021 23:14	0:00:20	-48.28	-160.55	493.23	-47.80	-158.88	492.93	-143.52	0.48
1188	1/17/2021 23:17	1/17/2021 23:17	0:00:09	-42.73	-146.01	490.12	-42.39	-145.32	489.94	-143.84	0.16
1189	1/17/2021 23:17	1/17/2021 23:31	0:13:19	-40.96	-142.67	489.21	-4.27	-106.32	477.21	-141.48	2.52
1190	1/17/2021 23:31	1/17/2021 23:32	0:00:30	-2.76	-105.26	477.06	-1.25	-104.19	476.95	-143.00	1.00
1191	1/17/2021 23:32	1/17/2021 23:33	0:00:39	0.26	-103.13	476.86	2.27	-101.71	476.80	-142.00	2.00
1192	1/17/2021 23:34	1/17/2021 23:35	0:01:29	4.28	-100.29	476.79	8.79	-97.06	476.98	-142.33	1.67
1193	1/17/2021 23:36	1/17/2021 23:46	0:10:10	10.79	-95.60	477.15	38.73	-67.66	484.55	-141.18	2.82
1194	1/17/2021 23:47	1/17/2021 23:53	0:05:41	40.99	-63.90	485.50	50.28	-37.14	490.21	-141.29	2.71
1195	1/18/2021 0:13	1/18/2021 0:31	0:17:39	17.35	51.98	489.22	-33.96	93.73	494.39	-141.11	2.89
1196	1/18/2021 0:31	1/18/2021 0:33	0:01:40	-35.21	95.35	494.67	-39.21	101.13	495.54	-141.93	2.07
1197	1/18/2021 0:34	1/18/2021 0:36	0:01:20	-41.44	104.93	496.00	-44.16	110.44	496.50	-140.76	3.24
1198	1/18/2021 0:45	1/18/2021 0:47	0:02:19	-51.10	160.96	495.34	-48.77	173.71	493.63	-143.19	0.81
1199	1/18/2021 0:48	1/18/2021 0:48	0:00:50	-48.08	176.26	493.20	-46.80	-179.66	492.44	-143.52	0.48
1200	1/18/2021 0:49	1/18/2021 0:51	0:01:31	-45.36	-175.78	491.63	-42.43	-169.33	490.07	-143.19	0.81

Table 10 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)
1201	1/18/2021 0:52	1/18/2021 0:52	0:00:39	-40.64	-166.03	489.16	-39.14	-163.53	488.42	-143.89	0.11
1202	1/18/2021 0:53	1/18/2021 0:58	0:04:59	-37.97	-161.72	487.85	-24.90	-146.52	482.32	-142.37	1.63
1203	1/18/2021 1:15	1/18/2021 1:20	0:05:20	25.26	-107.61	479.95	39.06	-91.06	484.68	-141.05	2.95
1204	1/18/2021 1:21	1/18/2021 1:29	0:07:30	40.94	-87.91	485.47	51.53	-50.74	491.22	-141.50	2.50
1205	1/18/2021 1:29	1/18/2021 1:32	0:02:21	51.73	-46.83	491.54	51.32	-33.13	492.35	-141.63	2.37
1206	1/18/2021 1:48	1/18/2021 2:05	0:16:59	15.46	29.55	488.96	-33.90	69.74	494.30	-141.11	2.89
1207	1/18/2021 2:06	1/18/2021 2:08	0:01:40	-35.58	71.90	494.68	-39.55	77.74	495.54	-141.81	2.19
1208	1/18/2021 2:09	1/18/2021 2:12	0:03:20	-41.75	81.59	495.99	-47.84	96.49	496.95	-140.72	3.28
1209	1/18/2021 2:12	1/18/2021 2:17	0:04:51	-48.77	99.87	497.03	-51.77	127.22	496.17	-142.09	1.91
1210	1/18/2021 2:40	1/18/2021 2:42	0:01:10	-0.37	-151.42	476.97	3.15	-148.94	476.86	-141.72	2.28
1211	1/18/2021 2:42	1/18/2021 2:54	0:12:29	4.66	-147.88	476.86	39.40	-114.45	484.80	-141.10	2.90
1212	1/18/2021 2:55	1/18/2021 3:03	0:07:31	41.26	-111.27	485.58	51.59	-73.81	491.26	-141.35	2.65
1213	1/18/2021 3:03	1/18/2021 3:06	0:02:21	51.76	-69.89	491.57	51.24	-56.21	492.35	-141.48	2.52
1214	1/18/2021 3:08	1/18/2021 3:10	0:02:10	49.84	-46.88	492.61	46.89	-35.81	492.60	-142.58	1.42
1215	1/18/2021 3:11	1/18/2021 3:11	0:00:39	44.86	-30.42	492.45	43.57	-27.53	492.32	-142.16	1.84
1216	1/18/2021 4:12	1/18/2021 4:13	0:01:49	-8.97	178.54	477.91	-3.45	-177.51	477.16	-141.69	2.31
1217	1/18/2021 4:14	1/18/2021 4:16	0:01:40	-1.94	-176.45	477.02	3.09	-172.91	476.81	-141.92	2.08
1218	1/18/2021 4:16	1/18/2021 4:29	0:12:19	5.10	-171.48	476.82	39.36	-138.44	484.74	-141.16	2.84
1219	1/18/2021 4:30	1/18/2021 4:37	0:07:39	41.22	-135.27	485.53	51.64	-96.87	491.31	-141.49	2.51
1220	1/18/2021 4:42	1/18/2021 4:44	0:01:59	49.86	-70.91	492.59	47.19	-60.63	492.61	-142.39	1.61
1221	1/18/2021 4:45	1/18/2021 4:47	0:01:50	44.89	-54.43	492.45	41.18	-46.78	492.06	-142.10	1.90
1222	1/18/2021 4:48	1/18/2021 4:49	0:01:19	38.16	-41.80	491.67	34.91	-37.26	491.22	-142.43	1.57
1223	1/18/2021 5:08	1/18/2021 5:14	0:05:49	-18.68	6.80	491.11	-34.65	22.83	494.49	-141.10	2.90
1224	1/18/2021 5:14	1/18/2021 5:16	0:01:50	-35.89	24.48	494.77	-40.21	31.00	495.69	-141.93	2.07
1225	1/18/2021 5:17	1/18/2021 5:20	0:03:29	-42.02	34.25	496.05	-48.27	50.11	496.98	-140.87	3.13
1226	1/18/2021 5:21	1/18/2021 5:29	0:07:51	-48.94	52.68	497.02	-49.84	97.21	494.22	-142.14	1.86
1227	1/18/2021 5:29	1/18/2021 5:30	0:00:29	-49.27	99.89	493.82	-48.63	102.49	493.41	-143.86	0.14
1228	1/18/2021 5:31	1/18/2021 5:31	0:00:50	-47.42	106.67	492.67	-46.06	110.65	491.88	-143.47	0.53
1229	1/18/2021 5:44	1/18/2021 5:48	0:03:30	-13.50	151.25	478.75	-3.01	158.88	477.04	-141.68	2.32
1230	1/18/2021 5:48	1/18/2021 5:50	0:01:40	-1.50	159.94	476.92	3.54	163.48	476.73	-142.06	1.94
1231	1/18/2021 5:51	1/18/2021 6:03	0:12:20	5.55	164.91	476.76	39.69	-161.82	484.87	-140.98	3.02
1232	1/18/2021 6:04	1/18/2021 6:11	0:07:40	41.54	-158.61	485.65	51.68	-119.93	491.41	-141.51	2.49
1233	1/18/2021 6:12	1/18/2021 6:14	0:02:21	51.78	-116.98	491.64	51.16	-103.32	492.40	-141.10	2.90
1234	1/18/2021 6:16	1/18/2021 6:17	0:01:20	49.70	-94.04	492.66	47.98	-87.11	492.69	-142.39	1.61
1235	1/18/2021 6:46	1/18/2021 6:48	0:01:49	-29.83	-6.75	493.55	-34.60	-1.16	494.61	-141.10	2.90
1236	1/18/2021 6:49	1/18/2021 6:50	0:01:40	-36.25	1.04	494.98	-40.16	7.00	495.81	-141.94	2.06
1237	1/18/2021 6:51	1/18/2021 6:55	0:03:30	-41.98	10.24	496.17	-48.24	26.08	497.10	-141.00	3.00
1238	1/18/2021 6:55	1/18/2021 7:02	0:07:10	-49.12	29.52	497.15	-50.36	70.44	494.69	-142.22	1.78
1239	1/18/2021 7:03	1/18/2021 7:03	0:00:00	-49.86	73.18	494.31	-49.86	73.18	494.31	-143.97	0.03
1240	1/18/2021 7:04	1/18/2021 7:04	0:00:30	-49.09	76.73	493.78	-48.43	79.31	493.35	-143.91	0.09
1241	1/18/2021 7:05	1/18/2021 7:06	0:00:50	-47.45	82.65	492.75	-46.09	86.62	491.96	-143.47	0.53
1242	1/18/2021 7:07	1/18/2021 7:08	0:01:10	-44.58	90.39	491.11	-42.26	95.32	489.87	-143.34	0.66
1243	1/18/2021 7:09	1/18/2021 7:09	0:00:00	-39.70	99.86	488.57	-39.70	99.86	488.57	-144.00	0.00
1244	1/18/2021 7:23	1/18/2021 7:24	0:01:40	-1.06	136.33	476.79	3.98	139.87	476.63	-141.79	2.21
1245	1/18/2021 7:25	1/18/2021 7:37	0:12:10	5.98	141.30	476.67	39.65	174.19	484.71	-141.11	2.89
1246	1/18/2021 7:38	1/18/2021 7:46	0:07:50	41.50	177.39	485.49	51.72	-142.99	491.37	-141.52	2.48
1247	1/18/2021 7:46	1/18/2021 7:49	0:02:19	51.79	-140.04	491.59	51.06	-126.40	492.35	-141.12	2.88
1248	1/18/2021 7:50	1/18/2021 7:50	0:00:09	49.72	-118.07	492.58	49.53	-117.17	492.59	-143.00	1.00
1249	1/18/2021 8:01	1/18/2021 8:22	0:21:20	26.64	-75.84	490.19	-34.96	-24.61	494.83	-141.07	2.93
1250	1/18/2021 8:26	1/18/2021 8:29	0:03:29	-42.29	-13.09	496.36	-48.44	2.90	497.24	-141.00	3.00
1251	1/18/2021 8:29	1/18/2021 8:33	0:03:50	-49.10	5.49	497.28	-51.78	27.12	496.65	-142.29	1.71
1252	1/18/2021 8:34	1/18/2021 8:37	0:03:00	-51.79	30.06	496.45	-50.23	47.32	494.68	-143.00	1.00
1253	1/18/2021 8:38	1/18/2021 8:38	0:00:20	-48.90	53.57	493.75	-48.46	55.28	493.46	-143.95	0.05
1254	1/18/2021 8:39	1/18/2021 8:40	0:00:50	-47.23	59.43	492.70	-45.84	63.38	491.89	-143.49	0.51
1255	1/18/2021 8:41	1/18/2021 8:41	0:00:21	-44.31	67.11	491.03	-43.66	68.54	490.68	-143.41	0.59
1256	1/18/2021 8:42	1/18/2021 8:42	0:00:20	-42.65	70.63	490.14	-41.95	71.99	489.77	-143.62	0.38
1257	1/18/2021 9:07	1/18/2021 9:11	0:04:29	28.67	136.15	480.54	39.98	150.81	484.65	-141.16	2.84
1258	1/18/2021 9:12	1/18/2021 9:12	0:00:00	41.81	154.05	485.44	41.81	154.05	485.44	-143.85	0.15
1259	1/18/2021 9:13	1/18/2021 9:18	0:04:51	42.86	156.09	485.90	50.33	179.58	489.83	-141.65	2.35
1260	1/18/2021 9:33	1/18/2021 9:57	0:23:40	32.51	-106.05	490.86	-35.33	-48.04	494.96	-141.09	2.91

Table 10 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)
1261	1/18/2021 9:57	1/18/2021 9:59	0:01:40	-36.56	-46.37	495.23	-40.45	-40.37	496.05	-141.94	2.06
1262	1/18/2021 10:00	1/18/2021 10:03	0:03:21	-42.59	-36.41	496.46	-48.41	-21.12	497.28	-140.92	3.08
1263	1/18/2021 10:04	1/18/2021 10:07	0:03:39	-49.28	-17.66	497.32	-51.77	3.08	496.69	-142.32	1.68
1264	1/18/2021 10:08	1/18/2021 10:08	0:00:11	-51.79	6.03	496.49	-51.78	7.01	496.41	-143.59	0.41
1265	1/18/2021 10:26	1/18/2021 10:31	0:04:20	-15.15	78.20	479.02	-2.18	87.69	476.76	-141.67	2.33
1266	1/18/2021 10:31	1/18/2021 10:33	0:01:40	-0.67	88.75	476.64	4.36	92.29	476.50	-141.66	2.34
1267	1/18/2021 10:33	1/18/2021 10:38	0:05:00	6.37	93.72	476.54	21.14	105.14	478.51	-142.13	1.87
1268	1/18/2021 11:00	1/18/2021 11:00	0:00:00	48.06	-159.17	492.58	48.06	-159.17	492.58	-143.77	0.23
1269	1/18/2021 11:01	1/18/2021 11:02	0:01:01	46.78	-155.09	492.54	45.03	-150.47	492.44	-143.08	0.92
1270	1/18/2021 11:02	1/18/2021 11:04	0:02:19	44.09	-148.28	492.36	39.11	-138.98	491.83	-142.04	1.96
1271	1/18/2021 11:06	1/18/2021 11:06	0:00:30	36.75	-135.44	491.53	35.52	-133.76	491.37	-143.17	0.83
1272	1/18/2021 11:06	1/18/2021 11:18	0:11:21	34.27	-132.13	491.21	1.89	-104.06	489.09	-141.88	2.12
1273	1/18/2021 11:22	1/18/2021 11:31	0:09:09	-9.62	-95.89	490.08	-35.28	-72.04	495.07	-141.08	2.92
1274	1/18/2021 11:31	1/18/2021 11:33	0:01:41	-36.92	-69.80	495.42	-40.77	-63.73	496.23	-142.04	1.96
1275	1/18/2021 11:34	1/18/2021 11:37	0:03:20	-42.55	-60.42	496.57	-48.38	-45.15	497.38	-141.15	2.85
1276	1/18/2021 11:38	1/18/2021 11:42	0:03:50	-49.25	-41.70	497.41	-51.79	-19.99	496.71	-142.43	1.57
1277	1/18/2021 11:42	1/18/2021 11:44	0:01:39	-51.78	-17.04	496.50	-51.19	-7.31	495.60	-143.06	0.94
1278	1/18/2021 11:45	1/18/2021 11:46	0:01:20	-50.84	-4.47	495.27	-49.56	2.87	494.27	-143.14	0.86
1279	1/18/2021 11:48	1/18/2021 11:48	0:00:20	-46.75	13.00	492.49	-46.19	14.57	492.16	-143.58	0.42
1280	1/18/2021 12:00	1/18/2021 12:05	0:05:01	-16.68	53.07	479.43	-1.74	64.07	476.70	-141.76	2.24
1281	1/18/2021 12:05	1/18/2021 12:07	0:01:40	-0.23	65.13	476.59	4.80	68.68	476.47	-142.12	1.88
1282	1/18/2021 12:08	1/18/2021 12:20	0:12:09	6.81	70.11	476.52	40.26	103.45	484.79	-141.22	2.78
1283	1/18/2021 12:21	1/18/2021 12:21	0:00:00	42.08	106.71	485.58	42.08	106.71	485.58	-143.86	0.14
1284	1/18/2021 12:21	1/18/2021 12:22	0:00:11	43.11	108.77	486.05	43.45	109.47	486.20	-143.73	0.27
1285	1/18/2021 12:31	1/18/2021 12:31	0:00:30	51.21	160.53	492.24	50.87	163.38	492.35	-141.41	2.59
1286	1/18/2021 12:33	1/18/2021 12:34	0:01:21	49.60	170.74	492.55	47.85	177.63	492.60	-142.57	1.43
1287	1/18/2021 12:35	1/18/2021 12:39	0:04:01	46.81	-179.12	492.57	38.78	-162.38	491.83	-142.02	1.98
1288	1/18/2021 12:40	1/18/2021 12:40	0:00:20	36.39	-158.87	491.54	35.57	-157.75	491.43	-143.23	0.77
1289	1/18/2021 12:41	1/18/2021 12:45	0:03:59	34.32	-156.12	491.27	23.55	-144.70	489.97	-141.97	2.03
1290	1/18/2021 13:04	1/18/2021 13:05	0:01:31	-31.82	-100.22	494.30	-35.64	-95.48	495.14	-141.02	2.98
1291	1/18/2021 13:06	1/18/2021 13:07	0:01:40	-37.27	-93.22	495.49	-41.09	-87.09	496.28	-141.92	2.08
1292	1/18/2021 13:08	1/18/2021 13:12	0:03:21	-42.85	-83.75	496.60	-48.58	-68.33	497.35	-140.93	3.07
1293	1/18/2021 13:12	1/18/2021 13:16	0:03:39	-49.43	-64.85	497.38	-51.78	-44.03	496.66	-142.43	1.57
1294	1/18/2021 13:17	1/18/2021 13:18	0:01:40	-51.76	-40.10	496.37	-51.09	-30.41	495.44	-143.12	0.88
1295	1/18/2021 13:19	1/18/2021 13:20	0:01:10	-50.72	-27.57	495.10	-49.58	-21.17	494.22	-143.15	0.85
1296	1/18/2021 13:34	1/18/2021 13:39	0:05:00	-16.26	29.48	479.23	-1.30	40.46	476.59	-141.74	2.26
1297	1/18/2021 13:40	1/18/2021 13:41	0:01:40	0.21	41.52	476.50	5.24	45.07	476.41	-141.89	2.11
1298	1/18/2021 13:42	1/18/2021 13:54	0:12:10	7.25	46.50	476.48	40.59	80.08	484.89	-141.19	2.81
1299	1/18/2021 13:55	1/18/2021 13:55	0:00:00	42.39	83.38	485.67	42.39	83.38	485.67	-143.74	0.26
1300	1/18/2021 13:56	1/18/2021 14:03	0:07:40	43.41	85.46	486.14	51.79	125.76	491.59	-141.69	2.31
1301	1/18/2021 14:27	1/18/2021 14:36	0:09:00	-1.50	-149.53	489.36	-27.75	-128.53	493.41	-141.73	2.27
1302	1/18/2021 14:37	1/18/2021 14:40	0:02:40	-29.11	-127.13	493.70	-36.00	-118.92	495.22	-141.02	2.98
1303	1/18/2021 14:40	1/18/2021 14:42	0:01:31	-37.62	-116.63	495.57	-41.04	-111.10	496.26	-141.95	2.05
1304	1/18/2021 14:43	1/18/2021 14:46	0:03:20	-42.81	-107.76	496.59	-48.56	-92.36	497.34	-141.01	2.99
1305	1/18/2021 14:46	1/18/2021 14:50	0:03:50	-49.40	-88.88	497.36	-51.79	-67.10	496.57	-142.47	1.53
1306	1/18/2021 14:51	1/18/2021 14:53	0:01:40	-51.77	-64.15	496.35	-51.11	-54.45	495.42	-143.10	0.90
1307	1/18/2021 14:53	1/18/2021 14:54	0:01:20	-50.74	-51.61	495.08	-49.41	-44.31	494.06	-143.13	0.87
1308	1/18/2021 14:57	1/18/2021 14:57	0:00:50	-46.27	-33.47	492.08	-44.78	-29.68	491.22	-143.59	0.41
1309	1/18/2021 14:58	1/18/2021 14:59	0:00:31	-43.49	-26.79	490.51	-42.47	-24.72	489.96	-143.68	0.32
1310	1/18/2021 15:03	1/18/2021 15:06	0:02:50	-30.42	-7.42	484.20	-22.59	0.27	481.15	-142.65	1.35
1311	1/18/2021 15:07	1/18/2021 15:10	0:03:00	-21.16	1.52	480.67	-12.38	8.55	478.21	-142.44	1.56
1312	1/18/2021 15:10	1/18/2021 15:14	0:03:20	-10.89	9.66	477.89	-0.86	16.84	476.52	-141.71	2.29
1313	1/18/2021 15:14	1/18/2021 15:15	0:00:50	0.65	17.90	476.43	3.17	19.68	476.36	-143.10	0.90
1314	1/18/2021 15:58	1/18/2021 16:14	0:15:20	8.08	179.76	489.08	-35.95	-142.91	495.24	-141.03	2.97
1315	1/18/2021 16:14	1/18/2021 16:16	0:01:40	-37.57	-140.63	495.58	-41.36	-134.45	496.35	-141.95	2.05
1316	1/18/2021 16:17	1/18/2021 16:20	0:03:20	-43.11	-131.08	496.67	-48.75	-115.53	497.37	-141.00	3.00
1317	1/18/2021 16:21	1/18/2021 16:23	0:02:29	-49.57	-112.03	497.38	-51.54	-97.99	497.01	-142.54	1.46
1318	1/18/2021 16:27	1/18/2021 16:29	0:01:21	-50.76	-75.65	495.11	-49.44	-68.34	494.09	-143.12	0.88
1319	1/18/2021 16:31	1/18/2021 16:32	0:00:41	-46.02	-56.71	491.93	-44.81	-53.69	491.25	-143.60	0.40
1320	1/18/2021 16:32	1/18/2021 16:33	0:01:20	-43.53	-50.80	490.53	-40.73	-45.41	489.05	-143.69	0.31

Table 10 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)
1321	1/18/2021 16:34	1/18/2021 16:35	0:00:31	-38.84	-42.29	488.09	-37.66	-40.50	487.50	-143.65	0.35
1322	1/18/2021 16:36	1/18/2021 16:38	0:02:09	-35.22	-37.10	486.33	-29.58	-30.44	483.82	-142.81	1.19
1323	1/18/2021 16:54	1/18/2021 17:03	0:08:40	18.01	6.82	477.69	40.87	32.72	484.93	-141.34	2.66
1324	1/18/2021 17:04	1/18/2021 17:04	0:00:00	42.65	36.05	485.71	42.65	36.05	485.71	-143.78	0.22
1325	1/18/2021 17:04	1/18/2021 17:14	0:10:10	43.66	38.14	486.18	50.65	93.15	492.31	-141.62	2.38
1326	1/18/2021 17:15	1/18/2021 17:17	0:01:31	49.48	99.54	492.47	47.44	107.21	492.51	-142.66	1.34
1327	1/18/2021 17:31	1/18/2021 17:48	0:17:00	12.60	152.50	489.15	-36.32	-166.34	495.27	-140.98	3.02
1328	1/18/2021 17:49	1/18/2021 17:50	0:01:39	-37.92	-164.03	495.61	-41.68	-157.79	496.35	-141.86	2.14
1329	1/18/2021 17:51	1/18/2021 17:54	0:03:11	-43.40	-154.38	496.66	-48.73	-139.55	497.30	-140.92	3.08
1330	1/18/2021 17:55	1/18/2021 17:59	0:03:50	-49.55	-136.06	497.32	-51.80	-114.19	496.46	-142.51	1.49
1331	1/18/2021 17:59	1/18/2021 18:03	0:03:19	-51.75	-111.25	496.23	-49.46	-92.37	494.03	-143.13	0.87
1332	1/18/2021 18:05	1/18/2021 18:06	0:00:31	-45.76	-79.96	491.71	-44.85	-77.70	491.20	-143.66	0.34
1333	1/18/2021 18:22	1/18/2021 18:22	0:00:00	-0.47	-30.73	476.41	-0.47	-30.73	476.41	-142.86	1.14
1334	1/18/2021 18:23	1/18/2021 18:24	0:01:40	1.04	-29.67	476.33	6.07	-26.11	476.31	-142.23	1.77
1335	1/18/2021 18:25	1/18/2021 18:38	0:12:31	8.07	-24.67	476.40	41.12	9.14	485.60	-141.31	2.69
1336	1/18/2021 18:38	1/18/2021 18:38	0:00:00	42.88	12.50	486.39	42.88	12.50	486.39	-143.76	0.24
1337	1/18/2021 18:39	1/18/2021 18:45	0:06:39	43.89	14.61	486.86	51.72	49.40	491.76	-141.81	2.19
1338	1/18/2021 18:46	1/18/2021 18:49	0:03:00	51.79	52.35	491.99	50.56	69.75	492.90	-141.71	2.29
1339	1/18/2021 18:50	1/18/2021 18:57	0:06:40	49.35	76.11	493.05	36.68	104.95	492.01	-141.74	2.26
1340	1/18/2021 18:58	1/18/2021 18:58	0:00:00	35.04	107.18	491.80	35.04	107.18	491.80	-143.37	0.63
1341	1/18/2021 19:09	1/18/2021 19:23	0:14:00	3.31	135.22	489.37	-36.58	170.01	495.34	-140.97	3.03
1342	1/18/2021 19:23	1/18/2021 19:25	0:01:40	-38.17	172.33	495.67	-41.91	178.63	496.39	-141.87	2.13
1343	1/18/2021 19:26	1/18/2021 19:29	0:03:11	-43.62	-177.94	496.68	-48.87	-163.01	497.27	-140.99	3.01
1344	1/18/2021 19:30	1/18/2021 19:33	0:03:50	-49.68	-159.49	497.27	-51.79	-137.57	496.37	-142.49	1.51
1345	1/18/2021 19:34	1/18/2021 19:35	0:01:29	-51.73	-134.63	496.14	-51.06	-125.91	495.28	-143.10	0.90
1346	1/18/2021 19:36	1/18/2021 19:37	0:01:10	-50.69	-123.08	494.94	-49.53	-116.69	494.05	-143.15	0.85
1347	1/18/2021 19:56	1/18/2021 19:57	0:00:39	-2.16	-55.94	476.83	-0.15	-54.52	476.70	-142.36	1.64
1348	1/18/2021 19:57	1/18/2021 19:59	0:01:39	1.36	-53.46	476.64	6.39	-49.90	476.68	-142.29	1.71
1349	1/18/2021 20:00	1/18/2021 20:12	0:12:00	8.39	-48.45	476.79	41.07	-14.88	485.59	-141.25	2.75
1350	1/18/2021 20:12	1/18/2021 20:13	0:00:11	42.83	-11.53	486.39	43.17	-10.83	486.54	-143.94	0.06
1351	1/18/2021 20:13	1/18/2021 20:20	0:06:29	44.16	-8.70	487.01	51.71	25.33	491.80	-141.87	2.13
1352	1/18/2021 20:20	1/18/2021 20:23	0:02:49	51.79	29.26	492.10	50.58	45.69	492.96	-141.94	2.06
1353	1/18/2021 20:25	1/18/2021 20:31	0:06:30	49.17	52.93	493.12	36.74	80.94	492.08	-142.12	1.88
1354	1/18/2021 20:53	1/18/2021 20:54	0:00:50	-26.50	134.43	493.20	-28.78	136.73	493.68	-142.41	1.59
1355	1/18/2021 20:54	1/18/2021 20:57	0:02:39	-30.12	138.16	493.97	-36.92	146.57	495.42	-140.98	3.02
1356	1/18/2021 20:57	1/18/2021 20:59	0:01:40	-38.12	148.32	495.66	-41.86	154.60	496.39	-141.93	2.07
1357	1/18/2021 21:00	1/18/2021 21:03	0:03:11	-43.57	158.03	496.68	-48.84	172.94	497.28	-140.98	3.02
1358	1/18/2021 21:04	1/18/2021 21:05	0:01:20	-49.83	177.35	497.28	-51.02	-175.25	497.13	-142.96	1.04
1359	1/18/2021 21:20	1/18/2021 21:28	0:07:40	-32.50	-105.58	485.16	-10.75	-86.03	478.09	-142.28	1.72
1360	1/18/2021 21:28	1/18/2021 21:31	0:03:11	-9.26	-84.93	477.81	0.28	-78.14	476.76	-141.40	2.60
1361	1/18/2021 21:32	1/18/2021 21:33	0:01:40	1.79	-77.08	476.71	6.82	-73.52	476.78	-142.20	1.80
1362	1/18/2021 21:34	1/18/2021 21:45	0:10:31	8.82	-72.07	476.90	37.96	-43.86	484.33	-141.42	2.58
1363	1/18/2021 22:13	1/18/2021 22:25	0:12:01	16.36	77.74	489.68	-19.35	104.09	491.79	-141.66	2.34
1364	1/18/2021 22:49	1/18/2021 22:49	0:00:30	-45.05	-150.06	491.56	-44.10	-147.86	491.04	-143.76	0.24
1365	1/18/2021 22:50	1/18/2021 22:51	0:00:41	-41.37	-142.35	489.60	-39.89	-139.79	488.85	-143.76	0.24
1366	1/18/2021 22:52	1/18/2021 22:52	0:00:39	-37.96	-136.75	487.90	-36.35	-134.43	487.13	-143.66	0.34
1367	1/18/2021 22:53	1/18/2021 23:04	0:10:40	-34.28	-131.69	486.17	-3.82	-104.97	477.22	-141.26	2.74
1368	1/18/2021 23:08	1/18/2021 23:20	0:12:01	9.24	-95.70	477.05	41.67	-61.62	485.86	-141.36	2.64
1369	1/18/2021 23:21	1/18/2021 23:21	0:00:00	43.40	-58.20	486.64	43.40	-58.20	486.64	-143.82	0.18
1370	1/18/2021 23:22	1/18/2021 23:26	0:03:50	44.38	-56.06	487.10	50.10	-37.11	490.20	-141.85	2.15
1371	1/18/2021 23:46	1/19/2021 0:02	0:16:09	17.89	52.58	489.62	-29.54	89.68	493.80	-141.69	2.31
1372	1/19/2021 0:03	1/19/2021 0:05	0:02:30	-30.87	91.13	494.10	-37.20	99.12	495.50	-140.97	3.03
1373	1/19/2021 0:06	1/19/2021 0:08	0:01:29	-38.78	101.48	495.83	-42.10	107.21	496.50	-141.83	2.17
1374	1/19/2021 0:17	1/19/2021 0:20	0:02:39	-51.48	158.03	496.02	-49.22	172.89	494.17	-143.00	1.00
1375	1/19/2021 0:23	1/19/2021 0:23	0:00:20	-44.79	-173.35	491.53	-44.15	-171.89	491.19	-143.80	0.20
1376	1/19/2021 0:25	1/19/2021 0:25	0:00:39	-40.69	-165.08	489.38	-39.19	-162.57	488.62	-143.80	0.20
1377	1/19/2021 0:26	1/19/2021 0:27	0:00:50	-38.02	-160.76	488.05	-36.01	-157.88	487.10	-143.64	0.36
1378	1/19/2021 0:28	1/19/2021 0:28	0:00:09	-34.34	-155.69	486.33	-33.92	-155.16	486.14	-143.77	0.23
1379	1/19/2021 0:28	1/19/2021 0:32	0:03:39	-32.63	-153.59	485.56	-22.61	-143.39	481.63	-142.62	1.38
1380	1/19/2021 0:51	1/19/2021 0:55	0:03:50	32.86	-98.53	482.38	41.97	-84.99	485.99	-141.30	2.70

Table 10 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)
1381	1/19/2021 0:55	1/19/2021 0:56	0:00:11	43.35	-82.24	486.60	43.68	-81.54	486.75	-143.92	0.08
1382	1/19/2021 0:56	1/19/2021 1:02	0:06:11	44.65	-79.37	487.20	51.69	-46.91	491.59	-141.86	2.14
1383	1/19/2021 1:21	1/19/2021 1:37	0:15:40	16.51	29.76	489.39	-29.47	65.68	493.70	-141.44	2.56
1384	1/19/2021 1:37	1/19/2021 1:40	0:02:40	-30.81	67.13	494.00	-37.54	75.69	495.50	-140.97	3.03
1385	1/19/2021 1:40	1/19/2021 1:42	0:01:40	-38.72	77.46	495.75	-42.40	83.86	496.49	-141.85	2.15
1386	1/19/2021 1:43	1/19/2021 1:46	0:03:20	-44.07	87.35	496.79	-49.37	103.38	497.39	-140.80	3.20
1387	1/19/2021 1:47	1/19/2021 1:50	0:03:00	-49.93	106.06	497.39	-51.76	123.18	496.81	-142.34	1.66
1388	1/19/2021 2:15	1/19/2021 2:16	0:01:31	3.07	-147.96	476.92	7.59	-144.75	477.02	-142.18	1.82
1389	1/19/2021 2:17	1/19/2021 2:29	0:12:00	9.58	-143.30	477.15	41.92	-109.01	485.95	-141.46	2.54
1390	1/19/2021 2:30	1/19/2021 2:30	0:00:00	43.63	-105.57	486.72	43.63	-105.57	486.72	-143.82	0.18
1391	1/19/2021 2:30	1/19/2021 2:37	0:06:40	44.60	-103.40	487.17	51.78	-68.04	491.78	-141.82	2.18
1392	1/19/2021 2:37	1/19/2021 2:40	0:02:51	51.78	-64.10	492.05	50.21	-47.81	492.77	-141.21	2.79
1393	1/19/2021 2:42	1/19/2021 2:45	0:02:50	48.66	-40.71	492.86	43.96	-27.32	492.60	-142.21	1.79
1394	1/19/2021 3:45	1/19/2021 3:50	0:05:09	-7.56	-179.41	477.76	8.01	-168.36	476.99	-140.75	3.25
1395	1/19/2021 3:51	1/19/2021 4:03	0:12:00	10.01	-166.91	477.14	42.22	-132.36	486.04	-141.40	2.60
1396	1/19/2021 4:04	1/19/2021 4:04	0:00:10	43.59	-129.60	486.65	43.92	-128.88	486.81	-143.84	0.16
1397	1/19/2021 4:04	1/19/2021 4:10	0:05:01	44.87	-126.70	487.25	51.25	-100.87	490.99	-141.87	2.13
1398	1/19/2021 4:13	1/19/2021 4:15	0:01:19	51.17	-78.44	492.53	50.07	-70.96	492.76	-141.13	2.87
1399	1/19/2021 4:16	1/19/2021 4:19	0:02:51	48.47	-63.90	492.84	43.68	-50.64	492.57	-142.21	1.79
1400	1/19/2021 4:21	1/19/2021 4:21	0:00:59	40.15	-43.95	492.18	37.84	-40.29	491.89	-142.59	1.41
1401	1/19/2021 4:43	1/19/2021 4:45	0:02:10	-24.29	12.71	492.61	-30.23	18.65	493.89	-141.97	2.03
1402	1/19/2021 4:46	1/19/2021 4:48	0:02:30	-31.56	20.13	494.19	-37.82	28.25	495.57	-140.95	3.05
1403	1/19/2021 4:49	1/19/2021 4:50	0:01:29	-39.38	30.65	495.89	-42.64	36.49	496.53	-141.80	2.20
1404	1/19/2021 4:52	1/19/2021 4:55	0:03:09	-44.62	40.74	496.87	-49.51	56.15	497.38	-141.02	2.98
1405	1/19/2021 4:55	1/19/2021 4:59	0:04:01	-50.05	58.85	497.36	-51.72	81.92	496.30	-142.12	1.88
1406	1/19/2021 5:00	1/19/2021 5:01	0:01:41	-51.58	84.85	496.04	-50.53	94.39	495.00	-142.91	1.09
1407	1/19/2021 5:18	1/19/2021 5:20	0:02:39	-12.62	152.95	478.64	-4.63	158.77	477.28	-140.66	3.34
1408	1/19/2021 5:21	1/19/2021 5:23	0:01:40	-3.12	159.83	477.12	1.91	163.37	476.82	-141.69	2.31
1409	1/19/2021 5:23	1/19/2021 5:25	0:01:40	3.42	164.44	476.80	8.44	168.02	476.95	-142.43	1.57
1410	1/19/2021 5:25	1/19/2021 5:37	0:12:10	9.94	169.12	477.07	42.52	-155.71	486.17	-141.35	2.65
1411	1/19/2021 5:38	1/19/2021 5:38	0:00:09	43.87	-152.91	486.78	44.19	-152.19	486.93	-143.88	0.12
1412	1/19/2021 5:39	1/19/2021 5:45	0:06:31	45.13	-149.98	487.38	51.79	-115.18	491.84	-141.81	2.19
1413	1/19/2021 5:46	1/19/2021 5:49	0:02:51	51.76	-111.25	492.11	50.09	-95.01	492.81	-141.00	3.00
1414	1/19/2021 5:50	1/19/2021 5:53	0:02:11	48.27	-87.10	492.90	44.69	-76.83	492.72	-142.11	1.89
1415	1/19/2021 6:19	1/19/2021 6:20	0:00:39	-28.82	-6.78	493.71	-30.61	-4.86	494.11	-143.37	0.63
1416	1/19/2021 6:20	1/19/2021 6:23	0:02:30	-31.93	-3.37	494.40	-38.16	4.83	495.76	-140.95	3.05
1417	1/19/2021 6:23	1/19/2021 6:25	0:01:40	-39.32	6.64	496.01	-42.93	13.15	496.71	-141.73	2.27
1418	1/19/2021 6:26	1/19/2021 6:29	0:03:19	-44.57	16.70	496.98	-49.67	32.99	497.48	-140.94	3.06
1419	1/19/2021 6:30	1/19/2021 6:37	0:07:20	-50.19	35.70	497.46	-49.14	77.55	494.06	-142.28	1.72
1420	1/19/2021 6:40	1/19/2021 6:41	0:00:39	-43.70	93.41	490.84	-42.34	96.19	490.11	-143.93	0.07
1421	1/19/2021 6:42	1/19/2021 6:42	0:00:30	-39.80	100.74	488.80	-38.65	102.58	488.23	-143.80	0.20
1422	1/19/2021 7:03	1/19/2021 7:10	0:06:40	21.14	154.01	478.72	38.79	173.84	484.43	-141.41	2.59
1423	1/19/2021 7:10	1/19/2021 7:12	0:01:11	39.93	175.69	484.91	42.47	-179.73	486.01	-142.01	1.99
1424	1/19/2021 7:13	1/19/2021 7:13	0:00:00	44.14	-176.22	486.78	44.14	-176.22	486.78	-143.81	0.19
1425	1/19/2021 7:13	1/19/2021 7:20	0:06:41	45.09	-174.02	487.23	51.79	-138.27	491.81	-141.81	2.19
1426	1/19/2021 7:20	1/19/2021 7:23	0:02:50	51.74	-134.33	492.07	49.95	-118.16	492.75	-140.85	3.15
1427	1/19/2021 7:35	1/19/2021 7:55	0:19:51	25.37	-73.58	490.36	-32.30	-26.86	494.62	-141.19	2.81
1428	1/19/2021 7:58	1/19/2021 7:59	0:01:40	-39.64	-16.76	496.22	-43.22	-10.19	496.90	-141.55	2.45
1429	1/19/2021 8:00	1/19/2021 8:11	0:11:00	-44.84	-6.60	497.17	-49.17	53.49	494.18	-141.18	2.82
1430	1/19/2021 8:15	1/19/2021 8:15	0:00:50	-43.42	70.09	490.76	-41.69	73.50	489.84	-143.88	0.12
1431	1/19/2021 8:16	1/19/2021 8:17	0:00:30	-40.23	76.09	489.08	-39.09	77.96	488.50	-143.90	0.10
1432	1/19/2021 8:39	1/19/2021 8:44	0:04:50	26.25	134.75	479.87	38.73	149.82	484.21	-141.36	2.64
1433	1/19/2021 8:45	1/19/2021 8:46	0:01:10	40.25	152.30	484.84	42.76	156.93	485.94	-142.15	1.85
1434	1/19/2021 8:47	1/19/2021 8:47	0:00:09	44.10	159.75	486.55	44.42	160.47	486.70	-143.85	0.15
1435	1/19/2021 8:47	1/19/2021 8:53	0:05:50	45.35	162.70	487.15	51.70	-166.27	491.29	-141.80	2.20
1436	1/19/2021 9:07	1/19/2021 9:28	0:21:10	30.44	-102.66	490.90	-30.92	-52.36	494.36	-141.12	2.88
1437	1/19/2021 9:29	1/19/2021 9:31	0:02:30	-32.24	-50.86	494.66	-38.43	-42.60	496.01	-140.93	3.07
1438	1/19/2021 9:32	1/19/2021 9:33	0:01:40	-39.59	-40.78	496.25	-43.17	-34.21	496.93	-141.75	2.25
1439	1/19/2021 9:34	1/19/2021 9:41	0:06:11	-45.10	-29.89	497.25	-51.74	2.84	497.07	-141.00	3.00
1440	1/19/2021 10:00	1/19/2021 10:03	0:03:30	-14.81	79.50	479.03	-4.35	87.19	477.05	-140.39	3.61

Table 10 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)
1441	1/19/2021 10:04	1/19/2021 10:08	0:03:40	-1.83	88.96	476.80	9.22	96.81	476.75	-141.64	2.36
1442	1/19/2021 10:08	1/19/2021 10:11	0:02:30	10.71	97.91	476.87	18.10	103.62	477.92	-142.34	1.66
1443	1/19/2021 10:38	1/19/2021 10:41	0:02:51	39.23	-138.14	492.09	32.26	-128.65	491.23	-142.40	1.60
1444	1/19/2021 10:41	1/19/2021 10:50	0:09:00	30.94	-127.15	491.06	5.05	-105.27	489.36	-141.01	2.99
1445	1/19/2021 10:54	1/19/2021 11:03	0:08:41	-6.47	-97.13	490.09	-31.30	-75.86	494.57	-141.99	2.01
1446	1/19/2021 11:03	1/19/2021 11:06	0:02:30	-32.60	-74.35	494.86	-38.76	-66.01	496.20	-140.94	3.06
1447	1/19/2021 11:06	1/19/2021 11:08	0:01:40	-39.91	-64.17	496.43	-43.46	-57.54	497.10	-141.54	2.46
1448	1/19/2021 11:09	1/19/2021 11:19	0:10:40	-45.05	-53.92	497.35	-49.43	4.50	494.44	-141.18	2.82
1449	1/19/2021 11:33	1/19/2021 11:37	0:04:19	-16.85	53.97	479.59	-3.92	63.56	476.99	-140.56	3.44
1450	1/19/2021 11:38	1/19/2021 11:42	0:03:41	-1.41	65.34	476.74	9.64	73.20	476.75	-141.60	2.40
1451	1/19/2021 11:43	1/19/2021 11:53	0:10:10	11.13	74.30	476.88	39.00	102.40	484.33	-141.32	2.68
1452	1/19/2021 11:53	1/19/2021 11:54	0:00:20	40.51	104.90	484.97	41.25	106.19	485.29	-142.69	1.31
1453	1/19/2021 12:04	1/19/2021 12:06	0:02:30	51.50	158.34	492.24	49.47	172.36	492.75	-140.83	3.17
1454	1/19/2021 12:08	1/19/2021 12:09	0:01:29	47.68	179.21	492.80	45.17	-173.71	492.70	-142.08	1.92
1455	1/19/2021 12:10	1/19/2021 12:10	0:00:39	44.24	-171.50	492.64	42.91	-168.68	492.53	-142.90	1.10
1456	1/19/2021 12:12	1/19/2021 12:14	0:01:41	39.29	-162.16	492.15	35.30	-156.36	491.67	-142.36	1.64
1457	1/19/2021 12:14	1/19/2021 12:14	0:00:11	34.04	-154.74	491.51	33.61	-154.21	491.46	-143.93	0.07
1458	1/19/2021 12:15	1/19/2021 12:15	0:00:00	32.32	-152.66	491.29	32.32	-152.66	491.29	-143.94	0.06
1459	1/19/2021 12:15	1/19/2021 12:19	0:03:41	30.57	-150.66	491.08	20.39	-140.89	489.98	-142.12	1.88
1460	1/19/2021 12:37	1/19/2021 12:40	0:02:50	-31.67	-99.37	494.65	-38.70	-90.03	496.17	-140.97	3.03
1461	1/19/2021 12:40	1/19/2021 12:42	0:01:31	-40.22	-87.57	496.48	-43.40	-81.58	497.07	-141.47	2.53
1462	1/19/2021 12:43	1/19/2021 12:50	0:07:11	-45.31	-77.22	497.36	-51.75	-38.44	496.62	-141.04	2.96
1463	1/19/2021 13:11	1/19/2021 13:12	0:00:39	-5.51	38.51	477.11	-3.50	39.94	476.87	-140.78	3.22
1464	1/19/2021 13:13	1/19/2021 13:16	0:03:50	-1.48	41.36	476.68	10.06	49.58	476.73	-141.55	2.45
1465	1/19/2021 13:17	1/19/2021 13:27	0:10:10	11.56	50.69	476.87	39.33	79.00	484.43	-141.26	2.74
1466	1/19/2021 13:28	1/19/2021 13:29	0:01:20	40.83	81.52	485.06	43.62	86.94	486.32	-142.23	1.77
1467	1/19/2021 13:30	1/19/2021 13:33	0:03:49	44.59	89.10	486.78	50.21	108.17	489.91	-141.77	2.23
1468	1/19/2021 13:34	1/19/2021 13:37	0:03:00	50.67	110.95	490.25	51.78	128.40	491.86	-141.67	2.33
1469	1/19/2021 13:37	1/19/2021 13:41	0:03:20	51.68	131.35	492.05	49.10	150.06	492.77	-140.81	3.19
1470	1/19/2021 13:42	1/19/2021 13:43	0:01:20	47.47	155.98	492.80	45.22	162.25	492.71	-142.02	1.98
1471	1/19/2021 13:44	1/19/2021 13:44	0:00:39	43.96	165.18	492.62	42.62	167.98	492.51	-142.85	1.15
1472	1/19/2021 13:46	1/19/2021 13:46	0:00:41	40.11	172.58	492.25	38.58	175.04	492.08	-143.17	0.83
1473	1/19/2021 14:02	1/19/2021 14:14	0:12:20	-4.82	-146.16	490.00	-39.03	-113.45	496.24	-140.91	3.09
1474	1/19/2021 14:15	1/19/2021 14:16	0:01:30	-40.17	-111.59	496.46	-43.35	-105.61	497.05	-141.54	2.46
1475	1/19/2021 14:17	1/19/2021 14:25	0:07:21	-45.57	-100.50	497.39	-51.68	-60.56	496.43	-141.12	2.88
1476	1/19/2021 14:25	1/19/2021 14:28	0:02:39	-51.50	-57.64	496.15	-49.29	-42.74	494.23	-142.69	1.31
1477	1/19/2021 14:40	1/19/2021 14:46	0:06:40	-22.77	1.13	481.35	-3.07	16.32	476.78	-140.71	3.29
1478	1/19/2021 14:47	1/19/2021 14:52	0:05:30	-1.05	17.73	476.61	15.44	29.72	477.34	-141.51	2.49
1479	1/19/2021 15:32	1/19/2021 15:48	0:16:19	6.78	-178.28	489.44	-39.36	-136.85	496.33	-140.94	3.06
1480	1/19/2021 15:49	1/19/2021 15:50	0:01:31	-40.49	-134.97	496.55	-43.64	-128.93	497.12	-141.32	2.68
1481	1/19/2021 15:51	1/19/2021 15:56	0:04:11	-45.52	-124.54	497.41	-50.92	-103.11	497.57	-141.13	2.87
1482	1/19/2021 15:59	1/19/2021 16:02	0:02:30	-51.44	-80.74	496.08	-49.32	-66.80	494.26	-142.66	1.34
1483	1/19/2021 16:06	1/19/2021 16:09	0:03:20	-42.31	-47.30	490.08	-34.55	-35.21	486.19	-143.26	0.74
1484	1/19/2021 16:10	1/19/2021 16:11	0:00:31	-32.41	-32.59	485.21	-31.10	-31.08	484.63	-143.67	0.33
1485	1/19/2021 16:33	1/19/2021 16:35	0:02:50	32.65	21.97	481.77	39.60	31.58	484.46	-141.18	2.82
1486	1/19/2021 16:36	1/19/2021 16:38	0:01:20	41.09	34.13	485.10	43.86	39.59	486.35	-142.16	1.84
1487	1/19/2021 16:38	1/19/2021 16:42	0:03:50	44.82	41.77	486.81	50.33	60.97	489.91	-141.80	2.20
1488	1/19/2021 16:42	1/19/2021 16:44	0:02:01	50.76	63.76	490.24	51.75	75.34	491.38	-141.48	2.52
1489	1/19/2021 17:04	1/19/2021 17:23	0:18:11	12.32	153.74	489.49	-39.30	-160.86	496.27	-140.55	3.45
1490	1/19/2021 17:23	1/19/2021 17:25	0:01:31	-40.43	-158.99	496.49	-43.59	-152.96	497.06	-141.39	2.61
1491	1/19/2021 17:26	1/19/2021 17:33	0:07:10	-45.78	-147.82	497.38	-51.69	-108.69	496.40	-141.06	2.94
1492	1/19/2021 17:34	1/19/2021 17:36	0:02:30	-51.37	-103.83	495.92	-49.15	-89.97	494.07	-142.61	1.39
1493	1/19/2021 17:56	1/19/2021 17:59	0:03:00	1.82	-28.09	476.37	10.84	-21.62	476.67	-141.59	2.41
1494	1/19/2021 18:00	1/19/2021 18:10	0:10:01	12.33	-20.51	476.83	39.55	7.57	484.43	-141.11	2.89
1495	1/19/2021 18:11	1/19/2021 18:12	0:01:19	41.40	10.76	485.23	44.14	16.28	486.48	-142.22	1.78
1496	1/19/2021 18:12	1/19/2021 18:19	0:07:10	45.08	18.48	486.94	51.77	57.18	491.81	-141.34	2.66
1497	1/19/2021 18:20	1/19/2021 18:22	0:02:10	51.60	61.10	492.06	50.12	73.43	492.59	-141.24	2.76
1498	1/19/2021 18:23	1/19/2021 18:24	0:00:40	49.59	76.14	492.65	48.76	79.65	492.71	-142.49	1.51
1499	1/19/2021 18:25	1/19/2021 18:26	0:01:20	47.06	85.48	492.72	44.74	91.64	492.61	-142.42	1.58
1500	1/19/2021 18:27	1/19/2021 18:27	0:00:31	43.11	95.22	492.49	42.08	97.27	492.40	-142.72	1.28

Table 10 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)
1501	1/19/2021 18:41	1/19/2021 18:57	0:16:00	5.42	134.84	489.46	-39.63	175.74	496.35	-140.93	3.07
1502	1/19/2021 18:57	1/19/2021 18:59	0:01:31	-40.75	177.63	496.56	-43.87	-176.27	497.11	-141.29	2.71
1503	1/19/2021 19:00	1/19/2021 19:07	0:07:09	-46.03	-171.08	497.42	-51.65	-131.78	496.30	-141.45	2.55
1504	1/19/2021 19:08	1/19/2021 19:09	0:01:19	-51.38	-127.89	495.92	-50.43	-120.32	495.01	-142.66	1.34
1505	1/19/2021 19:10	1/19/2021 19:10	0:00:41	-49.94	-117.58	494.62	-49.18	-114.01	494.07	-143.22	0.78
1506	1/19/2021 19:28	1/19/2021 19:29	0:00:50	-4.79	-56.68	476.85	-2.28	-54.90	476.58	-140.89	3.11
1507	1/19/2021 19:30	1/19/2021 19:44	0:14:09	0.24	-53.13	476.40	39.87	-15.82	484.57	-141.13	2.87
1508	1/19/2021 19:45	1/19/2021 19:50	0:05:30	41.71	-12.59	485.37	50.44	13.78	490.03	-141.84	2.16
1509	1/19/2021 19:51	1/19/2021 19:54	0:03:00	50.86	16.59	490.36	51.74	34.10	491.92	-141.35	2.65
1510	1/19/2021 19:54	1/19/2021 19:56	0:01:59	51.61	37.04	492.11	50.31	48.47	492.62	-141.32	2.68
1511	1/19/2021 19:57	1/19/2021 19:58	0:00:41	49.42	52.98	492.73	48.57	56.46	492.78	-142.51	1.49
1512	1/19/2021 19:59	1/19/2021 20:00	0:00:50	47.10	61.44	492.78	45.69	65.36	492.73	-142.38	1.62
1513	1/19/2021 20:01	1/19/2021 20:02	0:00:41	43.16	71.20	492.56	41.77	73.92	492.43	-142.74	1.26
1514	1/19/2021 20:03	1/19/2021 20:04	0:01:10	39.19	78.39	492.16	36.42	82.51	491.84	-142.26	1.74
1515	1/19/2021 20:25	1/19/2021 20:31	0:06:00	-24.55	133.69	493.14	-39.95	152.35	496.42	-140.95	3.05
1516	1/19/2021 20:32	1/19/2021 20:33	0:01:21	-41.06	154.26	496.63	-43.83	159.70	497.11	-141.12	2.88
1517	1/19/2021 20:34	1/19/2021 20:41	0:06:31	-45.98	164.89	497.42	-51.78	-159.76	496.68	-141.39	2.61
1518	1/19/2021 20:54	1/19/2021 21:03	0:09:40	-29.96	-101.59	484.09	-1.84	-78.53	476.62	-140.99	3.01
1519	1/19/2021 21:04	1/19/2021 21:05	0:00:59	0.67	-76.75	476.46	3.69	-74.63	476.38	-141.59	2.41
1520	1/19/2021 21:46	1/19/2021 21:54	0:08:09	14.50	80.31	489.60	-9.95	97.91	490.58	-140.97	3.03
1521	1/19/2021 21:55	1/19/2021 21:57	0:02:00	-11.43	99.01	490.78	-17.32	103.55	491.73	-143.11	0.89
1522	1/19/2021 22:24	1/19/2021 22:26	0:01:51	-39.21	-137.57	488.63	-34.79	-131.23	486.47	-143.06	0.94
1523	1/19/2021 22:28	1/19/2021 22:29	0:01:40	-30.47	-126.08	484.52	-25.92	-121.41	482.66	-142.83	1.17
1524	1/19/2021 22:30	1/19/2021 22:36	0:06:09	-24.52	-120.09	482.13	-6.44	-105.71	477.32	-141.99	2.01
1525	1/19/2021 22:40	1/19/2021 22:42	0:01:59	5.63	-97.18	476.53	11.62	-92.82	476.90	-143.07	0.93
1526	1/19/2021 22:43	1/19/2021 22:52	0:09:59	13.11	-91.70	477.07	40.13	-63.23	484.70	-141.03	2.97
1527	1/19/2021 22:53	1/19/2021 22:55	0:01:20	41.95	-59.98	485.49	44.63	-54.36	486.72	-142.19	1.81
1528	1/19/2021 22:55	1/19/2021 22:57	0:01:21	45.55	-52.12	487.17	47.75	-45.76	488.31	-142.57	1.43
1529	1/19/2021 23:20	1/19/2021 23:29	0:08:49	16.04	55.18	489.50	-10.37	74.29	490.51	-141.05	2.95
1530	1/19/2021 23:29	1/19/2021 23:40	0:10:29	-11.86	75.39	490.72	-40.22	104.95	496.53	-140.95	3.05
1531	1/19/2021 23:51	1/19/2021 23:52	0:01:29	-51.33	160.87	496.16	-50.18	169.34	495.13	-142.91	1.09
1532	1/19/2021 23:53	1/19/2021 23:53	0:00:39	-49.65	172.05	494.74	-48.84	175.57	494.18	-143.66	0.34
1533	1/19/2021 23:54	1/19/2021 23:54	0:00:00	-48.16	178.12	493.74	-48.16	178.12	493.74	-143.97	0.03
1534	1/19/2021 23:57	1/20/2021 0:00	0:02:41	-41.14	-164.75	489.75	-34.85	-155.23	486.64	-143.06	0.94
1535	1/20/2021 0:02	1/20/2021 0:04	0:01:40	-30.09	-149.59	484.50	-25.53	-144.96	482.65	-142.83	1.17
1536	1/20/2021 0:04	1/20/2021 0:06	0:02:09	-24.12	-143.65	482.12	-17.90	-138.29	480.03	-141.99	2.01
1537	1/20/2021 0:23	1/20/2021 0:27	0:03:50	31.02	-99.54	481.27	40.45	-86.62	484.83	-141.14	2.86
1538	1/20/2021 0:28	1/20/2021 0:33	0:05:30	42.25	-83.33	485.60	50.66	-56.55	490.07	-141.86	2.14
1539	1/20/2021 0:34	1/20/2021 0:36	0:02:49	51.04	-53.72	490.38	51.72	-37.14	491.76	-141.62	2.38
1540	1/20/2021 0:37	1/20/2021 0:38	0:01:09	51.51	-33.23	491.99	50.80	-26.53	492.28	-141.53	2.47
1541	1/20/2021 0:54	1/20/2021 1:03	0:08:50	15.62	31.58	489.35	-10.80	50.68	490.46	-141.16	2.84
1542	1/20/2021 1:04	1/20/2021 1:14	0:10:29	-12.28	51.78	490.68	-40.54	81.56	496.52	-140.97	3.03
1543	1/20/2021 1:15	1/20/2021 1:16	0:01:20	-41.63	83.51	496.74	-44.33	89.05	497.23	-140.97	3.03
1544	1/20/2021 1:17	1/20/2021 1:22	0:04:50	-46.43	94.32	497.54	-51.58	120.19	497.39	-141.70	2.30
1545	1/20/2021 1:49	1/20/2021 2:01	0:11:41	8.98	-142.62	476.76	40.77	-110.00	484.95	-141.19	2.81
1546	1/20/2021 2:02	1/20/2021 2:03	0:01:20	42.21	-107.36	485.57	44.86	-101.69	486.79	-142.33	1.67
1547	1/20/2021 2:04	1/20/2021 2:11	0:07:09	45.76	-99.43	487.22	51.69	-60.22	491.79	-141.64	2.36
1548	1/20/2021 2:11	1/20/2021 2:13	0:01:59	51.52	-57.29	491.95	50.08	-45.95	492.39	-141.43	2.57
1549	1/20/2021 2:14	1/20/2021 2:15	0:00:30	49.13	-41.48	492.48	48.48	-38.89	492.50	-142.69	1.31
1550	1/20/2021 2:15	1/20/2021 2:16	0:00:50	47.25	-34.74	492.49	45.87	-30.79	492.44	-142.97	1.03
1551	1/20/2021 3:18	1/20/2021 3:20	0:02:29	-8.16	-178.73	477.66	-0.63	-173.37	476.74	-141.28	2.72
1552	1/20/2021 3:21	1/20/2021 3:23	0:02:00	1.89	-171.60	476.61	7.91	-167.32	476.65	-141.75	2.25
1553	1/20/2021 3:24	1/20/2021 3:25	0:01:01	9.41	-166.23	476.74	12.40	-164.02	477.02	-143.09	0.91
1554	1/20/2021 3:25	1/20/2021 3:35	0:09:50	14.38	-162.51	477.26	40.72	-134.01	484.88	-141.25	2.75
1555	1/20/2021 3:36	1/20/2021 3:42	0:05:30	42.51	-130.70	485.66	50.76	-103.73	490.09	-141.88	2.12
1556	1/20/2021 3:48	1/20/2021 3:49	0:00:20	48.95	-64.66	492.46	48.51	-62.93	492.47	-142.77	1.23
1557	1/20/2021 3:50	1/20/2021 3:50	0:00:50	47.29	-58.77	492.47	45.91	-54.82	492.42	-143.03	0.97
1558	1/20/2021 3:52	1/20/2021 3:54	0:01:59	43.07	-48.24	492.21	38.69	-40.47	491.76	-142.67	1.33
1559	1/20/2021 4:53	1/20/2021 4:55	0:01:51	-5.73	159.10	477.21	-0.19	163.01	476.64	-141.22	2.78
1560	1/20/2021 4:56	1/20/2021 4:58	0:01:50	2.32	164.78	476.53	7.85	168.71	476.59	-141.73	2.27

Table 10 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)
1561	1/20/2021 4:58	1/20/2021 4:59	0:01:11	9.35	169.80	476.68	12.83	172.38	477.00	-143.12	0.88
1562	1/20/2021 5:00	1/20/2021 5:10	0:09:51	14.80	173.89	477.26	41.03	-157.37	485.01	-141.30	2.70
1563	1/20/2021 5:10	1/20/2021 5:12	0:01:20	42.46	-154.71	485.63	45.08	-149.00	486.85	-142.38	1.62
1564	1/20/2021 5:12	1/20/2021 5:14	0:01:30	45.98	-146.72	487.29	48.34	-139.43	488.54	-142.33	1.67
1565	1/20/2021 5:52	1/20/2021 5:59	0:06:59	-28.29	-6.21	493.94	-44.83	18.42	497.41	-140.98	3.02
1566	1/20/2021 6:00	1/20/2021 6:07	0:06:50	-46.87	23.80	497.69	-51.60	61.72	496.48	-141.36	2.64
1567	1/20/2021 6:08	1/20/2021 6:10	0:02:10	-51.19	66.55	495.98	-49.18	78.51	494.35	-142.82	1.18
1568	1/20/2021 6:10	1/20/2021 6:11	0:00:41	-48.53	81.10	493.91	-47.56	84.45	493.29	-143.57	0.43
1569	1/20/2021 6:14	1/20/2021 6:14	0:00:00	-42.06	97.85	490.13	-42.06	97.85	490.13	-143.98	0.02
1570	1/20/2021 6:27	1/20/2021 6:29	0:02:10	-6.30	134.76	477.21	0.24	139.39	476.52	-141.13	2.87
1571	1/20/2021 6:30	1/20/2021 6:32	0:01:49	2.75	141.16	476.42	8.27	145.09	476.50	-141.70	2.30
1572	1/20/2021 6:32	1/20/2021 6:33	0:01:10	9.77	146.19	476.60	13.25	148.78	476.94	-143.00	1.00
1573	1/20/2021 6:34	1/20/2021 6:44	0:09:50	15.22	150.30	477.21	41.35	179.26	485.02	-141.27	2.73
1574	1/20/2021 6:45	1/20/2021 6:46	0:01:21	42.75	-178.05	485.64	45.34	-172.28	486.86	-142.41	1.59
1575	1/20/2021 6:47	1/20/2021 6:53	0:06:59	46.22	-169.98	487.29	51.66	-131.42	491.74	-141.89	2.11
1576	1/20/2021 6:54	1/20/2021 6:56	0:02:00	51.40	-127.53	491.96	49.80	-116.29	492.38	-141.26	2.74
1577	1/20/2021 6:57	1/20/2021 6:57	0:00:30	49.01	-112.74	492.44	48.34	-110.17	492.47	-142.62	1.38
1578	1/20/2021 6:58	1/20/2021 6:58	0:00:20	47.36	-106.85	492.47	46.83	-105.24	492.46	-142.69	1.31
1579	1/20/2021 7:08	1/20/2021 7:20	0:11:59	23.58	-70.80	490.09	-12.00	-44.12	490.89	-141.62	2.38
1580	1/20/2021 7:21	1/20/2021 7:27	0:06:00	-13.48	-43.01	491.13	-30.47	-27.82	494.58	-142.58	1.42
1581	1/20/2021 8:12	1/20/2021 8:18	0:06:40	24.31	134.03	478.90	41.29	155.25	484.78	-141.46	2.54
1582	1/20/2021 8:19	1/20/2021 8:20	0:01:09	43.05	158.62	485.56	45.30	163.69	486.62	-142.37	1.63
1583	1/20/2021 8:21	1/20/2021 8:28	0:06:59	46.18	165.99	487.06	51.67	-155.48	491.53	-141.92	2.08
1584	1/20/2021 8:28	1/20/2021 8:28	0:00:00	51.41	-151.58	491.76	51.41	-151.58	491.76	-143.79	0.21
1585	1/20/2021 8:41	1/20/2021 8:54	0:13:31	27.81	-98.77	490.46	-11.94	-68.10	490.93	-141.56	2.44
1586	1/20/2021 8:55	1/20/2021 9:05	0:10:21	-13.91	-66.60	491.25	-41.38	-36.58	497.00	-140.98	3.02
1587	1/20/2021 9:06	1/20/2021 9:07	0:01:19	-42.44	-34.58	497.20	-45.05	-28.89	497.64	-140.97	3.03
1588	1/20/2021 9:08	1/20/2021 9:10	0:01:59	-47.06	-23.48	497.90	-49.77	-13.26	498.04	-141.95	2.05
1589	1/20/2021 9:13	1/20/2021 9:15	0:01:51	-51.70	2.81	497.49	-51.61	13.60	496.66	-142.33	1.67
1590	1/20/2021 9:16	1/20/2021 9:18	0:02:01	-51.01	20.34	495.94	-49.03	31.28	494.38	-142.64	1.36
1591	1/20/2021 9:19	1/20/2021 9:19	0:00:30	-48.13	34.70	493.77	-47.38	37.18	493.30	-143.67	0.33
1592	1/20/2021 9:22	1/20/2021 9:22	0:00:00	-41.44	51.15	489.89	-41.44	51.15	489.89	-143.96	0.04
1593	1/20/2021 9:24	1/20/2021 9:24	0:00:00	-39.21	54.96	488.72	-39.21	54.96	488.72	-143.91	0.09
1594	1/20/2021 9:33	1/20/2021 9:38	0:04:31	-12.92	82.06	478.43	0.60	91.79	476.37	-140.86	3.14
1595	1/20/2021 9:39	1/20/2021 9:41	0:02:00	3.11	93.56	476.27	9.13	97.87	476.40	-141.93	2.07
1596	1/20/2021 9:41	1/20/2021 9:42	0:00:59	10.63	98.97	476.51	13.61	101.20	476.82	-143.03	0.97
1597	1/20/2021 9:43	1/20/2021 9:43	0:00:09	15.58	102.72	477.10	16.07	103.11	477.17	-143.14	0.86
1598	1/20/2021 10:13	1/20/2021 10:13	0:00:11	34.04	-129.69	491.25	33.61	-129.16	491.20	-143.98	0.02
1599	1/20/2021 10:14	1/20/2021 10:22	0:08:10	31.01	-126.10	490.90	7.62	-105.99	489.42	-141.70	2.30
1600	1/20/2021 10:26	1/20/2021 10:29	0:02:39	-4.40	-97.49	490.07	-12.36	-91.70	491.10	-142.24	1.76
1601	1/20/2021 10:29	1/20/2021 10:41	0:12:20	-13.84	-90.58	491.34	-45.31	-52.17	497.79	-140.94	3.06
1602	1/20/2021 10:43	1/20/2021 10:49	0:06:41	-47.28	-46.71	498.03	-51.56	-9.50	496.66	-140.65	3.35
1603	1/20/2021 10:50	1/20/2021 10:52	0:02:01	-51.02	-3.73	496.03	-49.05	7.23	494.47	-142.45	1.55
1604	1/20/2021 10:53	1/20/2021 10:54	0:00:31	-48.16	10.65	493.86	-47.42	13.14	493.38	-143.73	0.27
1605	1/20/2021 11:07	1/20/2021 11:12	0:05:19	-14.97	56.57	478.96	1.03	68.17	476.33	-140.66	3.34
1606	1/20/2021 11:13	1/20/2021 11:15	0:01:50	3.54	69.94	476.24	9.06	73.89	476.37	-141.90	2.10
1607	1/20/2021 11:15	1/20/2021 11:16	0:01:09	10.56	74.99	476.48	14.03	77.60	476.85	-142.96	1.04
1608	1/20/2021 11:17	1/20/2021 11:26	0:08:50	15.99	79.13	477.13	39.71	104.66	484.13	-141.72	2.28
1609	1/20/2021 11:36	1/20/2021 11:36	0:00:00	51.63	157.37	491.68	51.63	157.37	491.68	-143.97	0.03
1610	1/20/2021 11:37	1/20/2021 11:40	0:03:20	51.43	160.29	491.85	48.20	178.55	492.43	-141.12	2.88
1611	1/20/2021 11:41	1/20/2021 11:41	0:00:30	47.20	-178.15	492.43	46.39	-175.76	492.42	-142.68	1.32
1612	1/20/2021 11:42	1/20/2021 11:43	0:00:39	44.91	-171.95	492.36	43.63	-169.05	492.27	-143.39	0.61
1613	1/20/2021 11:43	1/20/2021 11:46	0:02:10	41.92	-165.62	492.14	36.99	-157.56	491.64	-143.21	0.79
1614	1/20/2021 11:47	1/20/2021 11:47	0:00:00	33.67	-153.16	491.27	33.67	-153.16	491.27	-143.72	0.28
1615	1/20/2021 11:48	1/20/2021 11:54	0:05:41	30.63	-149.61	490.92	14.63	-135.13	489.59	-141.48	2.52
1616	1/20/2021 12:09	1/20/2021 12:14	0:04:51	-29.84	-100.28	494.61	-41.63	-83.96	497.15	-140.99	3.01
1617	1/20/2021 12:14	1/20/2021 12:16	0:01:29	-42.68	-81.94	497.34	-45.57	-75.46	497.80	-140.87	3.13
1618	1/20/2021 12:17	1/20/2021 12:24	0:06:50	-47.24	-70.76	498.00	-51.50	-32.59	496.52	-141.47	2.53
1619	1/20/2021 12:25	1/20/2021 12:26	0:01:10	-50.92	-26.85	495.87	-49.86	-20.37	494.98	-142.48	1.52
1620	1/20/2021 12:41	1/20/2021 12:46	0:05:39	-15.53	32.20	479.04	1.46	44.54	476.25	-141.02	2.98

Table 10 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)
1621	1/20/2021 12:47	1/20/2021 12:51	0:03:31	3.97	46.32	476.18	14.45	54.00	476.85	-141.88	2.12
1622	1/20/2021 12:51	1/20/2021 13:01	0:09:41	16.41	55.53	477.15	41.86	84.51	485.02	-141.65	2.35
1623	1/20/2021 13:02	1/20/2021 13:03	0:01:10	43.58	87.95	485.80	45.77	93.11	486.86	-142.19	1.81
1624	1/20/2021 13:04	1/20/2021 13:08	0:04:11	46.90	96.24	487.44	51.42	118.60	490.48	-141.89	2.11
1625	1/20/2021 13:37	1/20/2021 13:37	0:00:30	-11.72	-140.03	491.07	-13.20	-138.92	491.30	-142.18	1.82
1626	1/20/2021 13:38	1/20/2021 13:48	0:10:20	-14.68	-137.79	491.54	-41.93	-107.32	497.19	-141.00	3.00
1627	1/20/2021 13:49	1/20/2021 13:50	0:01:20	-42.97	-105.28	497.38	-45.52	-99.49	497.77	-140.98	3.02
1628	1/20/2021 13:51	1/20/2021 13:58	0:06:41	-47.47	-93.99	497.99	-51.51	-56.66	496.49	-141.66	2.34
1629	1/20/2021 13:59	1/20/2021 14:01	0:02:10	-50.94	-50.91	495.84	-48.69	-39.14	494.09	-142.37	1.63
1630	1/20/2021 14:01	1/20/2021 14:02	0:00:11	-47.99	-36.60	493.62	-47.74	-35.77	493.46	-143.91	0.09
1631	1/20/2021 14:19	1/20/2021 14:21	0:01:40	-3.14	17.38	476.56	1.89	20.92	476.18	-140.97	3.03
1632	1/20/2021 14:21	1/20/2021 14:25	0:03:20	4.41	22.70	476.13	14.38	30.02	476.80	-141.95	2.05
1633	1/20/2021 14:26	1/20/2021 14:35	0:09:40	16.83	31.94	477.18	42.16	61.16	485.12	-141.44	2.56
1634	1/20/2021 14:36	1/20/2021 14:37	0:01:09	43.53	63.93	485.75	45.73	69.08	486.81	-142.47	1.53
1635	1/20/2021 15:06	1/20/2021 15:11	0:05:39	3.84	-175.07	489.61	-13.13	-162.90	491.31	-140.97	3.03
1636	1/20/2021 15:12	1/20/2021 15:22	0:10:10	-15.10	-161.39	491.64	-41.88	-131.34	497.21	-141.02	2.98
1637	1/20/2021 15:23	1/20/2021 15:24	0:01:30	-42.92	-129.31	497.40	-45.78	-122.77	497.84	-140.81	3.19
1638	1/20/2021 15:25	1/20/2021 15:28	0:02:10	-47.68	-117.21	498.04	-50.35	-105.85	498.05	-141.86	2.14
1639	1/20/2021 15:32	1/20/2021 15:32	0:00:30	-51.65	-82.67	496.71	-51.45	-79.75	496.42	-143.30	0.70
1640	1/20/2021 15:33	1/20/2021 15:36	0:02:50	-50.96	-74.97	495.87	-47.78	-59.81	493.49	-142.37	1.63
1641	1/20/2021 16:38	1/20/2021 16:46	0:07:50	9.90	156.66	489.48	-13.56	173.50	491.34	-140.99	3.01
1642	1/20/2021 16:46	1/20/2021 16:57	0:10:20	-15.03	174.63	491.59	-42.19	-154.69	497.21	-141.00	3.00
1643	1/20/2021 16:57	1/20/2021 16:58	0:01:20	-43.22	-152.63	497.39	-45.74	-146.80	497.77	-141.00	3.00
1644	1/20/2021 17:00	1/20/2021 17:06	0:06:50	-47.65	-141.25	497.98	-51.38	-102.84	496.26	-141.72	2.28
1645	1/20/2021 17:07	1/20/2021 17:10	0:02:40	-50.85	-98.07	495.70	-47.81	-83.85	493.45	-142.38	1.62
1646	1/20/2021 17:31	1/20/2021 17:31	0:00:59	6.28	-23.82	476.07	9.28	-21.65	476.21	-141.99	2.01
1647	1/20/2021 17:32	1/20/2021 17:34	0:01:01	12.27	-19.44	476.47	15.23	-17.18	476.84	-142.88	1.12
1648	1/20/2021 17:34	1/20/2021 17:44	0:09:40	17.19	-15.63	477.16	42.42	13.81	485.17	-141.59	2.41
1649	1/20/2021 17:45	1/20/2021 17:46	0:01:09	43.77	16.59	485.80	45.94	21.79	486.86	-142.31	1.69
1650	1/20/2021 17:47	1/20/2021 17:50	0:03:29	47.58	26.57	487.72	51.30	45.47	490.25	-141.69	2.31
1651	1/20/2021 17:51	1/20/2021 17:53	0:02:21	51.54	48.37	490.54	51.61	62.11	491.61	-141.79	2.21
1652	1/20/2021 17:54	1/20/2021 17:58	0:04:20	51.31	65.99	491.83	46.27	88.89	492.35	-141.10	2.90
1653	1/20/2021 17:59	1/20/2021 17:59	0:00:41	45.08	91.94	492.30	43.82	94.85	492.23	-142.86	1.14
1654	1/20/2021 18:13	1/20/2021 18:20	0:07:10	7.48	134.49	489.52	-13.98	149.90	491.44	-141.00	3.00
1655	1/20/2021 18:21	1/20/2021 18:31	0:10:19	-15.45	151.04	491.69	-42.49	-178.02	497.27	-141.02	2.98
1656	1/20/2021 18:31	1/20/2021 18:33	0:01:20	-43.50	-175.95	497.45	-45.99	-170.06	497.81	-140.84	3.16
1657	1/20/2021 18:34	1/20/2021 18:41	0:06:41	-47.87	-164.46	497.99	-51.39	-126.90	496.26	-141.56	2.44
1658	1/20/2021 18:41	1/20/2021 18:44	0:02:49	-50.99	-123.07	495.81	-47.85	-107.89	493.44	-142.32	1.68
1659	1/20/2021 18:55	1/20/2021 18:55	0:00:11	-23.04	-69.76	481.30	-22.56	-69.34	481.12	-143.63	0.37
1660	1/20/2021 18:56	1/20/2021 19:04	0:07:20	-19.21	-66.46	479.97	2.69	-50.29	476.03	-140.35	3.65
1661	1/20/2021 19:04	1/20/2021 19:06	0:01:29	5.21	-48.51	476.01	9.71	-45.26	476.20	-142.03	1.97
1662	1/20/2021 19:06	1/20/2021 19:08	0:01:31	11.21	-44.16	476.32	15.66	-40.77	476.88	-142.83	1.17
1663	1/20/2021 19:09	1/20/2021 19:13	0:04:00	17.61	-39.21	477.20	28.93	-28.91	480.02	-142.14	1.86
1664	1/20/2021 19:15	1/20/2021 19:18	0:02:40	36.28	-20.13	482.61	42.37	-10.21	485.17	-141.28	2.72
1665	1/20/2021 19:19	1/20/2021 19:20	0:00:59	44.05	-6.71	485.95	45.90	-2.24	486.86	-142.46	1.54
1666	1/20/2021 19:21	1/20/2021 19:24	0:03:20	47.80	3.36	487.86	51.29	21.41	490.28	-141.62	2.38
1667	1/20/2021 19:25	1/20/2021 19:27	0:02:30	51.53	24.32	490.57	51.56	39.03	491.71	-141.75	2.25
1668	1/20/2021 19:28	1/20/2021 19:32	0:04:10	51.23	42.90	491.92	46.30	64.86	492.41	-141.27	2.73
1669	1/20/2021 19:33	1/20/2021 19:33	0:00:50	45.43	67.16	492.38	43.86	70.83	492.30	-142.96	1.04
1670	1/20/2021 19:35	1/20/2021 19:36	0:00:50	40.73	76.93	492.05	38.84	80.05	491.86	-143.12	0.88
1671	1/20/2021 19:57	1/20/2021 20:05	0:07:49	-22.61	133.06	493.07	-42.44	157.96	497.28	-141.03	2.97
1672	1/20/2021 20:06	1/20/2021 20:07	0:01:20	-43.46	160.03	497.45	-45.95	165.92	497.81	-140.84	3.16
1673	1/20/2021 20:08	1/20/2021 20:15	0:07:20	-47.83	171.51	498.00	-51.00	-147.12	495.85	-141.38	2.62
1674	1/20/2021 20:28	1/20/2021 20:29	0:01:50	-27.29	-97.71	483.00	-22.15	-92.90	481.02	-143.37	0.63
1675	1/20/2021 20:31	1/20/2021 20:38	0:07:20	-18.79	-90.04	479.89	3.13	-73.91	476.10	-140.55	3.45
1676	1/20/2021 20:39	1/20/2021 20:40	0:01:19	5.64	-72.12	476.09	9.65	-69.23	476.26	-141.97	2.03
1677	1/20/2021 20:41	1/20/2021 20:42	0:01:20	11.64	-67.76	476.43	15.59	-64.74	476.93	-142.95	1.05
1678	1/20/2021 20:43	1/20/2021 20:49	0:06:39	18.03	-62.80	477.34	36.22	-44.13	482.64	-142.09	1.91
1679	1/20/2021 22:01	1/20/2021 22:01	0:00:19	-30.52	-125.02	484.59	-29.63	-124.05	484.20	-143.72	0.28
1680	1/20/2021 22:02	1/20/2021 22:04	0:02:00	-27.36	-121.70	483.24	-21.74	-116.47	481.08	-143.39	0.61

Table 10 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)
1681	1/20/2021 22:05	1/20/2021 22:08	0:03:20	-18.37	-113.63	479.96	-8.50	-106.08	477.47	-141.99	2.01
1682	1/20/2021 22:12	1/20/2021 22:12	0:00:00	3.56	-97.53	476.23	3.56	-97.53	476.23	-143.40	0.60
1683	1/20/2021 22:13	1/20/2021 22:14	0:01:20	6.07	-95.75	476.23	10.07	-92.85	476.41	-141.96	2.04
1684	1/20/2021 22:15	1/20/2021 22:16	0:01:20	12.06	-91.37	476.59	16.01	-88.34	477.09	-143.06	0.94
1685	1/20/2021 22:17	1/20/2021 22:27	0:09:39	17.96	-86.78	477.42	42.96	-56.88	485.44	-141.48	2.52
1686	1/20/2021 22:27	1/20/2021 22:28	0:00:59	44.28	-54.05	486.05	46.11	-49.54	486.94	-142.58	1.42
1687	1/20/2021 22:29	1/20/2021 22:29	0:00:00	46.94	-47.17	487.38	46.94	-47.17	487.38	-143.97	0.03
1688	1/20/2021 22:39	1/20/2021 22:42	0:02:40	48.20	11.09	492.27	43.62	23.49	492.11	-142.99	1.01
1689	1/20/2021 22:43	1/20/2021 22:46	0:03:00	40.83	28.89	491.88	33.66	39.38	491.10	-143.13	0.87
1690	1/20/2021 22:47	1/20/2021 22:49	0:02:19	32.37	40.93	490.96	26.09	47.60	490.28	-142.88	1.12
1691	1/20/2021 22:50	1/20/2021 22:51	0:01:21	24.69	48.92	490.14	20.91	52.30	489.81	-142.87	1.13
1692	1/20/2021 22:52	1/20/2021 22:52	0:00:59	19.47	53.51	489.71	16.57	55.88	489.53	-142.13	1.87
1693	1/20/2021 23:12	1/20/2021 23:14	0:02:09	-37.88	102.35	496.43	-42.69	110.60	497.41	-141.03	2.97
1694	1/20/2021 23:14	1/20/2021 23:15	0:01:20	-43.70	112.69	497.59	-46.16	118.62	497.97	-140.77	3.23
1695	1/20/2021 23:17	1/20/2021 23:20	0:03:11	-48.01	124.26	498.17	-51.27	141.41	498.00	-140.83	3.17
1696	1/20/2021 23:20	1/20/2021 23:26	0:05:19	-51.52	144.31	497.87	-49.28	174.85	494.77	-141.96	2.04
1697	1/20/2021 23:26	1/20/2021 23:27	0:00:39	-48.65	177.46	494.33	-47.70	-179.18	493.71	-143.37	0.63
1698	1/20/2021 23:36	1/20/2021 23:38	0:01:59	-26.97	-145.24	483.22	-21.33	-140.04	481.08	-143.42	0.58
1699	1/20/2021 23:39	1/20/2021 23:46	0:07:20	-17.96	-137.22	479.97	3.99	-121.15	476.32	-141.23	2.77
1700	1/20/2021 23:47	1/20/2021 23:49	0:01:30	6.00	-119.72	476.32	10.50	-116.46	476.53	-142.00	2.00
1701	1/20/2021 23:49	1/20/2021 23:51	0:01:20	12.48	-114.98	476.71	16.43	-111.94	477.22	-143.12	0.88
1702	1/20/2021 23:51	1/20/2021 23:53	0:01:10	18.38	-110.37	477.55	21.75	-107.52	478.24	-142.07	1.93
1703	1/21/2021 0:13	1/21/2021 0:16	0:02:49	48.46	-13.80	492.14	43.67	-0.54	491.98	-142.18	1.82
1704	1/21/2021 0:17	1/21/2021 0:18	0:00:41	40.88	4.88	491.74	39.39	7.40	491.59	-143.53	0.47
1705	1/21/2021 0:19	1/21/2021 0:23	0:04:19	37.44	10.39	491.38	26.15	23.61	490.14	-142.83	1.17
1706	1/21/2021 0:24	1/21/2021 0:25	0:01:20	24.29	25.37	489.96	20.50	28.72	489.64	-142.77	1.23
1707	1/21/2021 0:26	1/21/2021 0:36	0:09:41	19.06	29.93	489.54	-9.76	51.04	490.55	-141.16	2.84
1708	1/21/2021 0:45	1/21/2021 0:48	0:03:09	-35.81	75.49	495.89	-42.99	87.27	497.40	-141.03	2.97
1709	1/21/2021 0:48	1/21/2021 0:50	0:01:10	-43.98	89.38	497.57	-46.12	94.59	497.90	-141.02	2.98
1710	1/21/2021 0:51	1/21/2021 0:54	0:03:00	-48.22	101.05	498.12	-51.26	117.35	497.95	-141.00	3.00
1711	1/21/2021 0:55	1/21/2021 0:58	0:03:30	-51.51	120.25	497.82	-51.05	140.71	496.14	-141.98	2.02
1712	1/21/2021 1:15	1/21/2021 1:21	0:05:50	-13.61	-157.72	478.73	3.92	-145.13	476.32	-141.31	2.69
1713	1/21/2021 1:21	1/21/2021 1:23	0:01:20	6.43	-143.34	476.33	10.43	-140.44	476.52	-141.85	2.15
1714	1/21/2021 1:24	1/21/2021 1:25	0:01:10	12.42	-138.96	476.70	15.87	-136.30	477.14	-143.12	0.88
1715	1/21/2021 1:26	1/21/2021 1:32	0:06:00	18.31	-134.35	477.54	34.80	-117.81	482.10	-141.99	2.01
1716	1/21/2021 1:48	1/21/2021 1:50	0:02:00	47.27	-33.68	492.13	43.71	-24.56	491.96	-143.13	0.87
1717	1/21/2021 1:52	1/21/2021 1:52	0:00:30	40.93	-19.14	491.72	39.82	-17.23	491.61	-143.70	0.30
1718	1/21/2021 1:53	1/21/2021 1:56	0:02:30	37.09	-13.03	491.32	30.74	-5.06	490.60	-143.11	0.89
1719	1/21/2021 1:56	1/21/2021 1:58	0:01:11	29.40	-3.61	490.45	26.22	-0.38	490.12	-142.80	1.20
1720	1/21/2021 1:59	1/21/2021 2:00	0:00:50	22.47	3.09	489.77	20.09	5.15	489.58	-142.72	1.28
1721	1/21/2021 2:00	1/21/2021 2:12	0:11:30	18.64	6.35	489.48	-15.61	31.53	491.47	-141.23	2.77
1722	1/21/2021 2:12	1/21/2021 2:17	0:05:11	-17.07	32.69	491.74	-31.50	46.23	494.87	-142.78	1.22
1723	1/21/2021 2:43	1/21/2021 2:43	0:00:00	-29.36	164.46	484.19	-29.36	164.46	484.19	-143.80	0.20
1724	1/21/2021 2:45	1/21/2021 2:47	0:02:10	-26.63	167.25	483.04	-20.51	172.82	480.76	-143.42	0.58
1725	1/21/2021 2:48	1/21/2021 2:55	0:07:20	-17.60	175.22	479.82	4.36	-168.74	476.28	-141.45	2.55
1726	1/21/2021 2:56	1/21/2021 2:57	0:01:20	6.87	-166.95	476.30	10.86	-164.04	476.52	-141.83	2.17
1727	1/21/2021 2:58	1/21/2021 2:59	0:01:00	12.85	-162.56	476.71	15.81	-160.28	477.09	-143.04	0.96
1728	1/21/2021 3:00	1/21/2021 3:10	0:09:40	18.73	-157.93	477.58	43.50	-127.55	485.59	-141.37	2.63
1729	1/21/2021 3:10	1/21/2021 3:11	0:01:01	44.79	-124.66	486.20	46.56	-120.07	487.07	-142.59	1.41
1730	1/21/2021 4:18	1/21/2021 4:18	0:00:10	-29.42	140.47	484.13	-28.97	140.95	483.94	-143.83	0.17
1731	1/21/2021 4:19	1/21/2021 4:21	0:02:10	-26.23	143.71	482.80	-20.09	149.25	480.54	-143.37	0.63
1732	1/21/2021 4:22	1/21/2021 4:29	0:07:30	-17.67	151.25	479.76	4.79	167.64	476.21	-141.38	2.62
1733	1/21/2021 4:30	1/21/2021 4:32	0:01:31	6.80	169.08	476.24	11.29	172.35	476.50	-141.96	2.04
1734	1/21/2021 4:32	1/21/2021 4:33	0:01:01	13.28	173.84	476.70	16.23	176.13	477.10	-142.96	1.04
1735	1/21/2021 4:34	1/21/2021 4:37	0:03:09	19.15	178.50	477.61	28.10	-173.32	479.81	-142.03	1.97
1736	1/21/2021 4:41	1/21/2021 4:44	0:02:40	37.56	-161.86	483.08	43.45	-151.57	485.57	-141.49	2.51
1737	1/21/2021 4:44	1/21/2021 4:45	0:00:50	45.06	-147.94	486.33	46.52	-144.10	487.06	-142.47	1.53
1738	1/21/2021 4:46	1/21/2021 4:46	0:00:00	47.33	-141.70	487.48	47.33	-141.70	487.48	-143.79	0.21
1739	1/21/2021 4:47	1/21/2021 4:49	0:02:50	48.55	-137.52	488.15	51.31	-121.97	490.11	-141.21	2.79
1740	1/21/2021 5:08	1/21/2021 5:20	0:12:09	20.22	-42.81	489.71	-15.97	-16.03	491.70	-141.33	2.67

Table 10 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)
1741	1/21/2021 5:21	1/21/2021 5:31	0:10:09	-17.43	-14.87	491.97	-43.52	16.61	497.59	-141.04	2.96
1742	1/21/2021 5:31	1/21/2021 5:32	0:00:30	-44.49	18.76	497.76	-45.42	20.98	497.90	-141.77	2.23
1743	1/21/2021 5:52	1/21/2021 5:52	0:00:00	-29.03	116.96	483.94	-29.03	116.96	483.94	-143.70	0.30
1744	1/21/2021 5:53	1/21/2021 5:55	0:02:10	-25.83	120.17	482.61	-19.67	125.68	480.35	-143.34	0.66
1745	1/21/2021 5:56	1/21/2021 6:04	0:07:31	-17.25	127.66	479.58	5.23	144.03	476.11	-141.34	2.66
1746	1/21/2021 6:04	1/21/2021 6:06	0:01:21	7.23	145.46	476.15	11.23	148.38	476.38	-142.01	1.99
1747	1/21/2021 6:06	1/21/2021 6:08	0:01:11	13.21	149.87	476.58	16.65	152.54	477.05	-142.78	1.22
1748	1/21/2021 6:08	1/21/2021 6:18	0:09:40	19.09	154.52	477.48	43.74	-174.88	485.59	-141.38	2.62
1749	1/21/2021 6:19	1/21/2021 6:19	0:00:21	45.02	-171.96	486.19	45.62	-170.45	486.49	-142.54	1.46
1750	1/21/2021 6:46	1/21/2021 6:55	0:08:20	8.51	-57.66	489.36	-16.39	-39.63	491.90	-141.40	2.60
1751	1/21/2021 6:55	1/21/2021 7:05	0:09:59	-17.85	-38.46	492.18	-43.48	-7.41	497.75	-141.04	2.96
1752	1/21/2021 7:05	1/21/2021 7:07	0:01:21	-44.45	-5.27	497.91	-46.81	0.82	498.24	-140.74	3.26
1753	1/21/2021 7:08	1/21/2021 7:09	0:01:01	-48.55	6.59	498.38	-49.78	11.85	498.40	-140.88	3.12
1754	1/21/2021 7:26	1/21/2021 7:26	0:00:11	-29.10	92.97	483.99	-28.65	93.44	483.79	-143.89	0.11
1755	1/21/2021 7:27	1/21/2021 7:30	0:02:10	-25.90	96.19	482.64	-19.74	101.69	480.34	-143.35	0.65
1756	1/21/2021 7:30	1/21/2021 7:38	0:07:30	-16.83	104.07	479.41	5.66	120.41	476.00	-141.38	2.62
1757	1/21/2021 7:38	1/21/2021 7:40	0:01:40	7.16	121.49	476.02	12.15	125.15	476.33	-142.01	1.99
1758	1/21/2021 7:41	1/21/2021 7:42	0:01:01	13.64	126.27	476.49	16.59	128.57	476.89	-142.69	1.31
1759	1/21/2021 7:43	1/21/2021 7:50	0:07:40	19.50	130.94	477.40	39.79	153.76	483.64	-141.66	2.34
1760	1/21/2021 8:01	1/21/2021 8:01	0:00:11	51.49	-151.49	491.25	51.42	-150.52	491.30	-143.43	0.57
1761	1/21/2021 8:02	1/21/2021 8:08	0:05:20	50.77	-144.79	491.58	42.88	-118.52	491.76	-141.31	2.69
1762	1/21/2021 8:08	1/21/2021 8:09	0:00:20	41.12	-115.17	491.62	40.39	-113.88	491.56	-143.82	0.18
1763	1/21/2021 8:11	1/21/2021 8:12	0:01:40	35.67	-106.76	491.11	31.41	-101.51	490.67	-142.86	1.14
1764	1/21/2021 8:14	1/21/2021 8:15	0:00:50	26.92	-96.76	490.23	24.60	-94.54	490.02	-142.80	1.20
1765	1/21/2021 8:16	1/21/2021 8:17	0:00:40	20.82	-91.17	489.74	18.90	-89.55	489.62	-142.73	1.27
1766	1/21/2021 8:17	1/21/2021 8:22	0:04:59	17.44	-88.37	489.54	2.58	-77.35	489.57	-142.37	1.63
1767	1/21/2021 8:25	1/21/2021 8:29	0:03:20	-6.44	-70.99	490.38	-16.33	-63.60	491.94	-142.04	1.96
1768	1/21/2021 8:29	1/21/2021 8:39	0:10:00	-18.27	-62.04	492.31	-43.76	-30.72	497.83	-141.05	2.95
1769	1/21/2021 8:40	1/21/2021 8:41	0:01:20	-44.72	-28.55	497.99	-47.04	-22.40	498.30	-140.91	3.09
1770	1/21/2021 8:42	1/21/2021 8:42	0:00:00	-48.52	-17.44	498.42	-48.52	-17.44	498.42	-143.88	0.12
1771	1/21/2021 9:07	1/21/2021 9:12	0:05:10	-9.98	85.37	477.61	5.59	96.44	475.97	-141.42	2.58
1772	1/21/2021 9:13	1/21/2021 9:16	0:03:21	7.10	97.52	475.99	17.01	104.98	476.94	-141.89	2.11
1773	1/21/2021 9:17	1/21/2021 9:18	0:00:50	19.44	106.96	477.37	21.84	109.01	477.87	-142.05	1.95
1774	1/21/2021 9:33	1/21/2021 9:36	0:02:30	51.69	171.71	490.38	51.34	-173.60	491.42	-142.21	1.79
1775	1/21/2021 9:36	1/21/2021 9:42	0:05:10	50.65	-167.90	491.69	42.93	-142.54	491.84	-141.49	2.51
1776	1/21/2021 9:42	1/21/2021 9:43	0:00:29	41.53	-139.84	491.74	40.44	-137.89	491.65	-143.61	0.39
1777	1/21/2021 9:45	1/21/2021 9:47	0:01:40	35.31	-130.21	491.15	31.03	-125.00	490.71	-142.71	1.29
1778	1/21/2021 9:48	1/21/2021 9:49	0:00:51	26.52	-120.29	490.28	24.19	-118.09	490.07	-142.83	1.17
1779	1/21/2021 9:50	1/21/2021 10:03	0:12:31	20.40	-114.74	489.79	-16.75	-87.19	492.12	-141.33	2.67
1780	1/21/2021 10:04	1/21/2021 10:08	0:04:31	-18.69	-85.62	492.50	-31.21	-73.72	495.28	-142.76	1.24
1781	1/21/2021 10:26	1/21/2021 10:27	0:00:10	-47.43	14.21	493.67	-47.17	15.02	493.50	-143.60	0.40
1782	1/21/2021 10:35	1/21/2021 10:35	0:00:00	-28.31	45.93	483.68	-28.31	45.93	483.68	-143.85	0.15
1783	1/21/2021 10:37	1/21/2021 10:38	0:01:09	-22.26	51.68	481.25	-18.90	54.54	480.07	-143.31	0.69
1784	1/21/2021 11:00	1/21/2021 11:01	0:01:01	42.24	110.29	484.72	44.26	114.50	485.64	-141.29	2.71
1785	1/21/2021 11:01	1/21/2021 11:03	0:01:40	45.20	116.71	486.10	47.95	124.64	487.54	-142.46	1.54
1786	1/21/2021 11:04	1/21/2021 11:10	0:06:00	48.87	128.04	488.07	51.35	162.34	491.45	-141.04	2.96
1787	1/21/2021 11:11	1/21/2021 11:16	0:05:20	50.67	168.04	491.72	42.63	-165.87	491.87	-141.58	2.42
1788	1/21/2021 11:17	1/21/2021 11:17	0:00:39	41.58	-163.85	491.80	40.12	-161.27	491.67	-143.38	0.62
1789	1/21/2021 11:23	1/21/2021 11:24	0:01:01	26.12	-143.83	490.30	23.32	-141.22	490.07	-142.88	1.12
1790	1/21/2021 11:25	1/21/2021 11:37	0:12:31	19.99	-138.32	489.83	-17.17	-110.78	492.23	-141.31	2.69
1791	1/21/2021 11:38	1/21/2021 11:48	0:09:59	-18.62	-109.60	492.52	-44.00	-78.05	497.97	-141.05	2.95
1792	1/21/2021 12:00	1/21/2021 12:01	0:00:41	-48.21	-12.32	494.11	-47.21	-9.02	493.45	-143.35	0.65
1793	1/21/2021 12:09	1/21/2021 12:09	0:00:11	-28.38	21.94	483.63	-27.92	22.41	483.43	-143.85	0.15
1794	1/21/2021 12:11	1/21/2021 12:13	0:01:20	-22.33	27.69	481.20	-18.49	30.96	479.86	-143.32	0.68
1795	1/21/2021 12:14	1/21/2021 12:21	0:07:19	-15.56	33.30	478.96	6.46	49.21	475.90	-141.53	2.47
1796	1/21/2021 12:21	1/21/2021 12:22	0:00:11	7.96	50.29	475.94	8.46	50.65	475.97	-142.44	1.56
1797	1/21/2021 12:31	1/21/2021 12:35	0:04:01	35.24	75.30	481.83	44.21	90.47	485.59	-141.46	2.54
1798	1/21/2021 12:36	1/21/2021 12:37	0:01:01	45.46	93.44	486.19	47.16	98.14	487.07	-142.47	1.53
1799	1/21/2021 12:37	1/21/2021 12:37	0:00:00	47.92	100.60	487.48	47.92	100.60	487.48	-143.69	0.31
1800	1/21/2021 12:38	1/21/2021 12:44	0:06:11	48.84	104.00	488.02	51.27	139.24	491.49	-141.25	2.75

Table 10 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)
1801	1/21/2021 13:04	1/21/2021 13:12	0:07:51	6.29	-151.76	489.60	-17.10	-134.76	492.24	-141.31	2.69
1802	1/21/2021 13:12	1/21/2021 13:21	0:08:41	-19.04	-133.18	492.61	-41.56	-106.89	497.52	-141.06	2.94
1803	1/21/2021 13:34	1/21/2021 13:35	0:00:31	-48.00	-35.52	493.91	-47.25	-33.05	493.41	-143.30	0.70
1804	1/21/2021 13:43	1/21/2021 13:44	0:00:19	-27.98	-1.58	483.39	-27.07	-0.66	483.01	-143.78	0.22
1805	1/21/2021 13:46	1/21/2021 13:47	0:01:20	-21.92	4.13	480.98	-18.07	7.38	479.66	-143.36	0.64
1806	1/21/2021 13:48	1/21/2021 13:59	0:11:00	-15.13	9.71	478.78	17.79	33.83	476.96	-141.45	2.55
1807	1/21/2021 14:00	1/21/2021 14:03	0:03:41	20.21	35.83	477.41	30.44	45.61	480.13	-142.08	1.92
1808	1/21/2021 14:28	1/21/2021 14:30	0:01:40	34.23	159.42	491.13	29.88	164.49	490.70	-142.51	1.49
1809	1/21/2021 14:31	1/21/2021 14:32	0:01:00	25.32	169.09	490.28	22.50	171.66	490.05	-142.90	1.10
1810	1/21/2021 14:34	1/21/2021 14:46	0:12:11	18.68	174.93	489.80	-17.52	-158.35	492.35	-141.27	2.73
1811	1/21/2021 14:46	1/21/2021 14:56	0:09:51	-19.46	-156.76	492.73	-44.23	-125.38	498.02	-141.06	2.94
1812	1/21/2021 14:57	1/21/2021 14:58	0:01:20	-45.17	-123.18	498.16	-47.42	-116.93	498.42	-140.86	3.14
1813	1/21/2021 15:03	1/21/2021 15:06	0:02:41	-51.80	-87.47	497.58	-50.71	-72.00	495.96	-142.34	1.66
1814	1/21/2021 15:07	1/21/2021 15:09	0:02:30	-50.26	-69.22	495.57	-47.02	-56.28	493.27	-141.89	2.11
1815	1/21/2021 15:58	1/21/2021 16:00	0:01:59	43.11	121.39	491.86	38.75	129.17	491.52	-142.75	1.25
1816	1/21/2021 16:02	1/21/2021 16:04	0:01:49	33.86	135.96	491.05	29.04	141.45	490.57	-142.54	1.46
1817	1/21/2021 16:05	1/21/2021 16:05	0:00:00	26.77	143.77	490.36	26.77	143.77	490.36	-143.66	0.34
1818	1/21/2021 16:05	1/21/2021 16:07	0:01:10	25.38	145.10	490.24	22.09	148.10	489.98	-143.07	0.93
1819	1/21/2021 16:08	1/21/2021 16:20	0:12:10	18.26	151.35	489.74	-17.94	178.07	492.39	-141.19	2.81
1820	1/21/2021 16:21	1/21/2021 16:23	0:02:40	-19.39	179.26	492.68	-26.92	-173.94	494.29	-142.85	1.15
1821	1/21/2021 16:27	1/21/2021 16:32	0:05:30	-36.49	-162.84	496.46	-47.64	-140.15	498.38	-140.87	3.13
1822	1/21/2021 16:33	1/21/2021 16:38	0:04:40	-48.82	-135.94	498.45	-51.79	-109.55	497.37	-141.02	2.98
1823	1/21/2021 16:54	1/21/2021 16:56	0:01:40	-21.09	-43.00	480.61	-16.24	-39.01	479.02	-143.21	0.79
1824	1/21/2021 16:57	1/21/2021 17:04	0:07:10	-14.28	-37.48	478.46	7.26	-21.99	475.80	-141.50	2.50
1825	1/21/2021 17:04	1/21/2021 17:08	0:03:20	8.76	-20.90	475.86	18.63	-13.33	477.03	-141.49	2.51
1826	1/21/2021 17:08	1/21/2021 17:17	0:08:51	20.56	-11.72	477.41	43.10	16.29	484.97	-141.44	2.56
1827	1/21/2021 17:31	1/21/2021 17:35	0:03:39	45.98	90.78	491.97	38.41	105.78	491.48	-142.56	1.44
1828	1/21/2021 17:37	1/21/2021 17:39	0:01:51	33.49	112.49	491.01	28.65	117.94	490.54	-142.63	1.37
1829	1/21/2021 17:39	1/21/2021 17:39	0:00:00	26.37	120.24	490.33	26.37	120.24	490.33	-143.56	0.44
1830	1/21/2021 17:40	1/21/2021 17:41	0:01:09	24.98	121.56	490.21	21.68	124.54	489.96	-143.07	0.93
1831	1/21/2021 17:42	1/21/2021 17:43	0:00:39	17.83	127.77	489.74	15.89	129.32	489.65	-143.17	0.83
1832	1/21/2021 17:43	1/21/2021 17:54	0:11:00	14.42	130.47	489.60	-18.37	154.49	492.50	-141.12	2.88
1833	1/21/2021 17:55	1/21/2021 18:06	0:10:41	-19.81	155.69	492.79	-45.99	-168.95	498.21	-141.07	2.93
1834	1/21/2021 18:26	1/21/2021 18:27	0:00:11	-26.79	-72.16	482.78	-26.33	-71.70	482.59	-143.53	0.47
1835	1/21/2021 18:28	1/21/2021 18:30	0:01:50	-21.63	-67.39	480.77	-16.31	-62.98	479.01	-143.07	0.93
1836	1/21/2021 18:31	1/21/2021 18:38	0:07:01	-13.35	-60.70	478.18	7.70	-45.60	475.77	-141.70	2.30
1837	1/21/2021 18:39	1/21/2021 18:42	0:03:09	9.20	-44.51	475.84	18.57	-37.31	476.99	-141.18	2.82
1838	1/21/2021 18:42	1/21/2021 18:52	0:09:31	20.98	-35.28	477.47	44.69	-4.14	485.74	-141.37	2.63
1839	1/21/2021 18:53	1/21/2021 18:58	0:04:51	45.90	-1.13	486.34	51.46	24.46	489.98	-141.45	2.55
1840	1/21/2021 19:09	1/21/2021 19:09	0:00:40	38.84	81.17	491.58	37.27	83.54	491.44	-143.26	0.74
1841	1/21/2021 19:11	1/21/2021 19:13	0:01:40	32.69	89.54	490.99	28.25	94.42	490.55	-142.76	1.24
1842	1/21/2021 19:13	1/21/2021 19:15	0:01:51	26.42	96.25	490.39	21.26	100.98	489.98	-143.23	0.77
1843	1/21/2021 19:16	1/21/2021 19:17	0:00:50	17.89	103.79	489.78	15.46	105.73	489.68	-143.17	0.83
1844	1/21/2021 19:18	1/21/2021 19:29	0:10:50	13.99	106.87	489.64	-18.31	130.51	492.51	-141.29	2.71
1845	1/21/2021 19:29	1/21/2021 19:37	0:07:49	-20.23	132.11	492.89	-40.65	155.78	497.34	-142.78	1.22
1846	1/21/2021 20:01	1/21/2021 20:01	0:00:11	-26.39	-95.69	482.65	-25.92	-95.24	482.46	-143.72	0.28
1847	1/21/2021 20:03	1/21/2021 20:04	0:01:49	-21.21	-90.96	480.66	-15.88	-86.57	478.93	-142.87	1.13
1848	1/21/2021 20:05	1/21/2021 20:16	0:10:41	-12.92	-84.30	478.12	18.99	-60.88	477.13	-140.72	3.28
1849	1/21/2021 20:17	1/21/2021 20:26	0:09:41	20.92	-59.26	477.52	44.96	-27.42	485.92	-141.25	2.75
1850	1/21/2021 20:27	1/21/2021 20:31	0:04:11	45.86	-25.15	486.37	51.07	-3.44	489.60	-141.44	2.56
1851	1/21/2021 20:53	1/21/2021 21:03	0:09:59	11.09	85.13	489.53	-18.73	106.93	492.57	-141.32	2.68
1852	1/21/2021 21:04	1/21/2021 21:05	0:01:40	-20.65	108.54	492.96	-25.36	112.77	493.98	-142.83	1.17
1853	1/21/2021 21:20	1/21/2021 21:23	0:03:20	-51.76	174.36	497.86	-50.49	-166.32	495.88	-142.50	1.50
1854	1/21/2021 21:24	1/21/2021 21:26	0:02:09	-50.01	-163.56	495.49	-47.15	-152.40	493.49	-142.44	1.56
1855	1/21/2021 21:35	1/21/2021 21:35	0:00:00	-25.98	-119.23	482.70	-25.98	-119.23	482.70	-143.80	0.20
1856	1/21/2021 21:37	1/21/2021 21:39	0:01:49	-20.79	-114.53	480.72	-15.45	-110.17	479.00	-142.85	1.15
1857	1/21/2021 21:40	1/21/2021 21:45	0:04:50	-12.49	-107.90	478.20	2.04	-97.48	476.01	-141.96	2.04
1858	1/21/2021 22:13	1/21/2021 22:18	0:05:21	47.45	14.71	491.90	36.57	36.68	491.19	-142.48	1.52
1859	1/21/2021 22:20	1/21/2021 22:21	0:01:49	32.37	42.06	490.76	27.46	47.37	490.27	-142.94	1.06
1860	1/21/2021 22:23	1/21/2021 22:24	0:01:19	24.22	50.48	489.99	20.43	53.83	489.71	-142.80	1.20

Table 10 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)
1861	1/21/2021 22:24	1/21/2021 22:25	0:00:11	18.99	55.04	489.62	18.50	55.44	489.59	-143.73	0.27
1862	1/21/2021 22:49	1/21/2021 22:49	0:00:59	-46.44	120.53	498.42	-48.01	125.38	498.58	-140.71	3.29
1863	1/21/2021 22:50	1/21/2021 22:57	0:06:41	-49.13	129.65	498.64	-50.79	167.77	496.28	-140.97	3.03
1864	1/21/2021 22:58	1/21/2021 23:00	0:02:10	-50.03	172.39	495.64	-47.19	-176.43	493.66	-142.50	1.50
1865	1/21/2021 23:09	1/21/2021 23:09	0:00:00	-25.58	-142.77	482.69	-25.58	-142.77	482.69	-143.92	0.08
1866	1/21/2021 23:11	1/21/2021 23:13	0:01:49	-20.86	-138.51	480.89	-15.52	-134.15	479.16	-142.53	1.47
1867	1/21/2021 23:14	1/21/2021 23:21	0:06:50	-12.07	-131.51	478.23	8.50	-116.80	476.08	-141.72	2.28
1868	1/21/2021 23:21	1/21/2021 23:25	0:03:11	10.00	-115.71	476.16	19.34	-108.45	477.33	-141.08	2.92
1869	1/21/2021 23:25	1/21/2021 23:26	0:00:21	21.27	-106.82	477.72	22.22	-105.98	477.92	-143.52	0.48
1870	1/21/2021 23:46	1/21/2021 23:52	0:05:59	48.23	-11.82	491.74	36.22	13.24	490.99	-142.54	1.46
1871	1/21/2021 23:54	1/21/2021 23:56	0:01:59	32.43	18.06	490.60	27.07	23.84	490.08	-142.92	1.08
1872	1/21/2021 23:57	1/21/2021 23:57	0:00:30	23.82	26.93	489.80	22.40	28.20	489.69	-142.90	1.10
1873	1/21/2021 23:58	1/21/2021 23:58	0:00:20	20.97	29.44	489.59	20.02	30.26	489.53	-143.80	0.20
1874	1/21/2021 23:59	1/22/2021 0:00	0:01:21	18.57	31.46	489.44	14.67	34.56	489.28	-143.42	0.58
1875	1/22/2021 0:01	1/22/2021 0:08	0:06:59	13.20	35.69	489.25	-7.78	50.72	490.47	-141.37	2.63
1876	1/22/2021 0:17	1/22/2021 0:24	0:06:29	-34.99	75.52	496.09	-48.22	102.18	498.53	-140.54	3.46
1877	1/22/2021 0:25	1/22/2021 0:31	0:06:31	-49.31	106.49	498.58	-50.81	143.72	496.25	-140.84	3.16
1878	1/22/2021 0:51	1/22/2021 0:55	0:04:19	-4.13	-149.68	476.71	8.93	-140.41	476.11	-141.75	2.25
1879	1/22/2021 0:56	1/22/2021 0:59	0:03:11	10.43	-139.31	476.20	19.76	-132.02	477.42	-141.05	2.95
1880	1/22/2021 0:59	1/22/2021 1:02	0:02:50	21.21	-130.80	477.71	29.13	-123.28	479.74	-142.02	1.98
1881	1/22/2021 1:21	1/22/2021 1:22	0:00:50	47.53	-33.36	491.73	46.17	-29.37	491.73	-142.80	1.20
1882	1/22/2021 1:22	1/22/2021 1:27	0:04:31	45.29	-27.07	491.70	35.45	-9.64	490.89	-142.56	1.44
1883	1/22/2021 1:28	1/22/2021 1:30	0:02:11	32.48	-5.93	490.58	26.67	0.31	490.01	-142.96	1.04
1884	1/22/2021 1:31	1/22/2021 1:32	0:00:50	23.88	2.95	489.77	21.51	5.06	489.60	-142.93	1.07
1885	1/22/2021 1:32	1/22/2021 1:33	0:00:10	20.08	6.28	489.50	19.60	6.69	489.47	-143.90	0.10
1886	1/22/2021 1:33	1/22/2021 1:34	0:00:30	18.15	7.88	489.39	16.69	9.05	489.32	-143.16	0.84
1887	1/22/2021 1:34	1/22/2021 1:34	0:00:09	15.23	10.21	489.27	14.74	10.59	489.25	-143.59	0.41
1888	1/22/2021 1:35	1/22/2021 1:46	0:10:59	13.26	11.72	489.22	-19.50	35.80	492.50	-141.45	2.55
1889	1/22/2021 1:46	1/22/2021 1:50	0:03:10	-21.42	37.42	492.91	-30.19	45.89	494.92	-142.80	1.20
1890	1/22/2021 2:20	1/22/2021 2:21	0:01:31	-20.02	174.35	480.57	-15.65	177.90	479.17	-142.62	1.38
1891	1/22/2021 2:23	1/22/2021 2:29	0:06:41	-11.20	-178.71	478.00	8.87	-164.38	476.07	-141.84	2.16
1892	1/22/2021 2:30	1/22/2021 2:33	0:03:00	10.86	-162.92	476.19	19.70	-156.00	477.37	-141.26	2.74
1893	1/22/2021 2:34	1/22/2021 2:43	0:09:41	21.62	-154.36	477.76	45.41	-122.03	485.97	-141.20	2.80
1894	1/22/2021 2:44	1/22/2021 2:45	0:00:41	46.28	-119.72	486.41	47.37	-116.53	486.97	-141.93	2.07
1895	1/22/2021 3:54	1/22/2021 3:55	0:01:20	-19.60	150.78	480.35	-15.71	153.93	479.11	-142.73	1.27
1896	1/22/2021 3:57	1/22/2021 4:04	0:06:40	-10.77	157.69	477.82	9.31	172.02	476.03	-141.72	2.28
1897	1/22/2021 4:04	1/22/2021 4:07	0:03:00	11.30	173.48	476.17	20.13	-179.56	477.40	-141.22	2.78
1898	1/22/2021 4:08	1/22/2021 4:10	0:01:40	21.56	-178.33	477.70	26.27	-174.02	478.85	-141.99	2.01
1899	1/22/2021 4:13	1/22/2021 4:21	0:08:09	36.36	-162.45	482.12	50.74	-125.58	489.09	-141.12	2.88
1900	1/22/2021 4:43	1/22/2021 4:44	0:00:21	13.38	-36.22	489.35	12.40	-35.48	489.33	-143.57	0.43
1901	1/22/2021 4:44	1/22/2021 4:55	0:10:10	9.92	-33.64	489.33	-20.34	-11.34	492.84	-141.43	2.57
1902	1/22/2021 4:55	1/22/2021 5:01	0:06:21	-21.77	-10.11	493.14	-38.46	8.66	496.98	-142.80	1.20
1903	1/22/2021 5:27	1/22/2021 5:27	0:00:00	-23.01	123.91	481.53	-23.01	123.91	481.53	-143.98	0.02
1904	1/22/2021 5:28	1/22/2021 5:30	0:01:20	-19.18	127.21	480.15	-15.28	130.34	478.93	-142.83	1.17
1905	1/22/2021 5:31	1/22/2021 5:38	0:06:39	-10.33	134.09	477.65	9.74	148.41	475.96	-141.70	2.30
1906	1/22/2021 5:39	1/22/2021 5:42	0:03:00	11.24	149.51	476.06	20.06	156.46	477.28	-141.30	2.70
1907	1/22/2021 5:42	1/22/2021 5:53	0:10:21	21.98	158.11	477.67	46.77	-166.19	486.56	-141.20	2.80
1908	1/22/2021 6:19	1/22/2021 6:29	0:09:40	8.49	-56.52	489.40	-20.28	-35.32	492.96	-141.41	2.59
1909	1/22/2021 6:29	1/22/2021 6:41	0:11:39	-21.71	-34.09	493.27	-48.56	7.75	498.79	-140.57	3.43
1910	1/22/2021 6:42	1/22/2021 6:42	0:00:50	-49.60	12.11	498.81	-50.45	16.65	498.75	-140.91	3.09
1911	1/22/2021 7:03	1/22/2021 7:04	0:00:31	-16.82	105.21	479.35	-15.35	106.37	478.90	-143.00	1.00
1912	1/22/2021 7:05	1/22/2021 7:05	0:00:00	-12.39	108.63	478.09	-12.39	108.63	478.09	-143.88	0.12
1913	1/22/2021 7:05	1/22/2021 7:12	0:06:40	-10.40	110.11	477.61	9.68	124.44	475.82	-141.61	2.39
1914	1/22/2021 7:13	1/22/2021 7:16	0:03:00	11.67	125.91	475.96	20.48	132.89	477.19	-141.22	2.78
1915	1/22/2021 7:16	1/22/2021 7:24	0:07:51	22.39	134.55	477.60	42.35	159.47	484.23	-141.56	2.44
1916	1/22/2021 7:35	1/22/2021 7:35	0:00:11	51.02	-145.51	491.05	50.90	-144.57	491.09	-143.41	0.59
1917	1/22/2021 7:35	1/22/2021 7:39	0:03:11	50.33	-140.83	491.25	46.03	-124.67	491.54	-140.55	3.45
1918	1/22/2021 7:39	1/22/2021 7:40	0:00:20	45.13	-122.39	491.52	44.51	-120.91	491.50	-143.33	0.67
1919	1/22/2021 7:40	1/22/2021 7:41	0:00:50	43.54	-118.76	491.46	41.82	-115.33	491.36	-142.69	1.31
1920	1/22/2021 7:41	1/22/2021 7:44	0:02:50	40.74	-113.37	491.28	33.98	-103.44	490.70	-142.45	1.55

Table 10 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)
1921	1/22/2021 7:45	1/22/2021 7:47	0:02:10	31.39	-100.36	490.46	25.51	-94.27	489.96	-142.50	1.50
1922	1/22/2021 7:49	1/22/2021 7:49	0:00:39	21.27	-90.43	489.67	19.35	-88.81	489.56	-142.75	1.25
1923	1/22/2021 7:50	1/22/2021 7:51	0:00:20	16.45	-86.45	489.45	15.47	-85.68	489.42	-143.13	0.87
1924	1/22/2021 7:52	1/22/2021 7:52	0:00:39	13.51	-84.16	489.38	11.53	-82.67	489.37	-143.28	0.72
1925	1/22/2021 7:53	1/22/2021 7:55	0:01:31	9.05	-80.85	489.39	4.56	-77.62	489.54	-143.07	0.93
1926	1/22/2021 7:57	1/22/2021 8:03	0:05:40	-3.97	-71.62	490.25	-20.70	-58.89	493.09	-141.55	2.45
1927	1/22/2021 8:03	1/22/2021 8:15	0:11:41	-22.13	-57.65	493.40	-48.76	-15.43	498.83	-140.86	3.14
1928	1/22/2021 8:16	1/22/2021 8:17	0:00:41	-49.58	-11.93	498.84	-50.28	-8.31	498.80	-142.07	1.93
1929	1/22/2021 8:40	1/22/2021 8:46	0:06:39	-9.96	86.51	477.48	10.11	100.83	475.82	-141.67	2.33
1930	1/22/2021 8:47	1/22/2021 8:50	0:02:50	12.10	102.31	475.96	20.42	108.91	477.16	-141.29	2.71
1931	1/22/2021 8:51	1/22/2021 8:53	0:02:19	22.81	110.99	477.67	29.30	117.28	479.40	-141.94	2.06
1932	1/22/2021 9:07	1/22/2021 9:09	0:01:59	51.77	179.77	490.45	50.91	-168.61	491.15	-142.05	1.95
1933	1/22/2021 9:10	1/22/2021 9:13	0:03:00	50.19	-163.95	491.35	46.06	-148.69	491.60	-140.59	3.41
1934	1/22/2021 9:13	1/22/2021 9:14	0:00:19	45.17	-146.41	491.59	44.55	-144.93	491.57	-143.34	0.66
1935	1/22/2021 9:14	1/22/2021 9:15	0:00:40	43.25	-142.07	491.51	41.87	-139.34	491.42	-142.78	1.22
1936	1/22/2021 9:16	1/22/2021 9:19	0:03:00	40.42	-136.73	491.32	33.18	-126.38	490.69	-142.52	1.48
1937	1/22/2021 9:20	1/22/2021 9:22	0:02:00	30.56	-123.36	490.45	25.10	-117.81	490.00	-142.47	1.53
1938	1/22/2021 9:23	1/22/2021 9:24	0:00:50	20.85	-114.00	489.72	18.45	-111.98	489.60	-142.81	1.19
1939	1/22/2021 9:25	1/22/2021 9:25	0:00:10	15.53	-109.65	489.50	15.04	-109.27	489.49	-143.12	0.88
1940	1/22/2021 9:26	1/22/2021 9:26	0:00:39	13.57	-108.13	489.46	11.59	-106.65	489.45	-143.20	0.80
1941	1/22/2021 9:27	1/22/2021 9:37	0:09:59	8.61	-104.46	489.48	-21.12	-82.45	493.29	-141.66	2.34
1942	1/22/2021 9:38	1/22/2021 9:41	0:02:41	-22.54	-81.21	493.61	-29.91	-74.04	495.32	-142.77	1.23
1943	1/22/2021 10:10	1/22/2021 10:10	0:00:00	-21.29	53.65	480.89	-21.29	53.65	480.89	-143.95	0.05
1944	1/22/2021 10:37	1/22/2021 10:43	0:06:31	49.30	130.97	487.82	50.80	168.29	491.23	-141.50	2.50
1945	1/22/2021 10:44	1/22/2021 10:47	0:03:00	50.21	172.00	491.38	46.10	-172.72	491.66	-140.45	3.55
1946	1/22/2021 10:47	1/22/2021 10:48	0:00:20	45.21	-170.43	491.64	44.59	-168.95	491.62	-143.52	0.48
1947	1/22/2021 10:49	1/22/2021 10:49	0:00:39	43.29	-166.08	491.57	41.91	-163.35	491.49	-142.82	1.18
1948	1/22/2021 10:50	1/22/2021 10:50	0:00:09	40.46	-160.74	491.39	40.09	-160.11	491.36	-143.01	0.99
1949	1/22/2021 10:55	1/22/2021 10:56	0:01:19	28.83	-145.43	490.37	25.16	-141.79	490.07	-142.45	1.55
1950	1/22/2021 10:58	1/22/2021 10:58	0:00:50	20.44	-137.57	489.76	18.03	-135.57	489.64	-142.91	1.09
1951	1/22/2021 10:59	1/22/2021 11:01	0:01:20	15.11	-133.24	489.55	11.16	-130.25	489.51	-142.99	1.01
1952	1/22/2021 11:02	1/22/2021 11:22	0:20:29	8.18	-128.07	489.55	-46.71	-70.10	498.76	-141.17	2.83
1953	1/22/2021 11:33	1/22/2021 11:34	0:00:11	-47.46	-8.66	493.91	-47.20	-7.85	493.74	-143.95	0.05
1954	1/22/2021 11:45	1/22/2021 11:45	0:00:00	-20.87	30.08	480.66	-20.87	30.08	480.66	-143.97	0.03
1955	1/22/2021 11:45	1/22/2021 11:45	0:00:11	-18.95	31.70	479.98	-18.46	32.10	479.82	-143.87	0.13
1956	1/22/2021 11:46	1/22/2021 11:46	0:00:00	-15.05	34.83	478.74	-15.05	34.83	478.74	-143.96	0.04
1957	1/22/2021 11:47	1/22/2021 11:48	0:00:49	-13.57	35.97	478.32	-11.09	37.83	477.69	-143.67	0.33
1958	1/22/2021 11:48	1/22/2021 11:54	0:05:19	-9.59	38.93	477.34	6.48	50.35	475.62	-141.62	2.38
1959	1/22/2021 12:04	1/22/2021 12:17	0:13:49	34.85	75.91	481.20	50.82	144.24	491.23	-141.24	2.76
1960	1/22/2021 12:18	1/22/2021 12:19	0:00:50	50.23	147.96	491.39	49.32	152.46	491.53	-142.73	1.27
1961	1/22/2021 12:37	1/22/2021 12:50	0:13:10	5.25	-149.89	489.69	-32.86	-118.54	496.01	-141.68	2.32
1962	1/22/2021 13:19	1/22/2021 13:20	0:00:21	-19.01	7.73	479.94	-18.04	8.52	479.61	-143.86	0.14
1963	1/22/2021 13:21	1/22/2021 13:22	0:00:50	-13.14	12.37	478.15	-10.66	14.22	477.52	-143.57	0.43
1964	1/22/2021 13:23	1/22/2021 13:29	0:06:40	-9.16	15.32	477.19	10.92	29.65	475.76	-141.77	2.23
1965	1/22/2021 13:30	1/22/2021 13:32	0:01:40	12.90	31.14	475.93	17.81	34.98	476.58	-141.70	2.30
1966	1/22/2021 13:32	1/22/2021 13:33	0:00:39	19.75	36.57	476.93	21.67	38.22	477.32	-141.64	2.36
1967	1/22/2021 13:34	1/22/2021 13:46	0:12:40	23.57	39.90	477.75	50.49	89.23	488.59	-141.07	2.93
1968	1/22/2021 14:02	1/22/2021 14:02	0:00:00	32.05	163.18	490.69	32.05	163.18	490.69	-143.89	0.11
1969	1/22/2021 14:03	1/22/2021 14:05	0:01:40	28.50	167.07	490.38	23.88	171.55	490.03	-142.46	1.54
1970	1/22/2021 14:05	1/22/2021 14:05	0:00:00	21.99	173.24	489.90	21.99	173.24	489.90	-143.84	0.16
1971	1/22/2021 14:06	1/22/2021 14:07	0:00:30	19.12	175.69	489.75	17.67	176.88	489.69	-143.22	0.78
1972	1/22/2021 14:08	1/22/2021 14:09	0:01:20	14.25	179.57	489.59	10.30	-177.46	489.57	-142.62	1.38
1973	1/22/2021 14:11	1/22/2021 14:31	0:20:39	6.81	-174.93	489.65	-47.69	-114.93	498.85	-141.20	2.80
1974	1/22/2021 14:40	1/22/2021 14:42	0:01:40	-49.54	-64.42	495.33	-47.27	-55.91	493.72	-142.88	1.12
1975	1/22/2021 15:32	1/22/2021 15:33	0:00:29	40.98	126.60	491.39	39.86	128.51	491.31	-143.25	0.75
1976	1/22/2021 15:33	1/22/2021 15:35	0:01:49	38.33	130.95	491.19	33.83	137.13	490.80	-142.26	1.74
1977	1/22/2021 15:36	1/22/2021 15:36	0:00:10	32.11	139.20	490.65	31.67	139.70	490.61	-143.80	0.20
1978	1/22/2021 15:37	1/22/2021 15:39	0:01:50	28.10	143.56	490.30	23.00	148.43	489.92	-142.42	1.58
1979	1/22/2021 15:40	1/22/2021 15:40	0:00:00	21.58	149.68	489.83	21.58	149.68	489.83	-143.97	0.03
1980	1/22/2021 15:41	1/22/2021 15:41	0:00:29	18.70	152.11	489.68	17.25	153.29	489.63	-143.38	0.62

Table 10 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)
1981	1/22/2021 15:42	1/22/2021 15:44	0:01:19	13.82	155.97	489.54	9.87	158.93	489.53	-142.57	1.43
1982	1/22/2021 15:45	1/22/2021 15:56	0:10:40	6.38	161.46	489.62	-25.11	-174.56	494.21	-142.13	1.87
1983	1/22/2021 15:59	1/22/2021 16:11	0:11:20	-35.29	-163.33	496.57	-51.80	-109.34	497.83	-141.11	2.89
1984	1/22/2021 16:33	1/22/2021 16:38	0:05:20	-4.27	-29.02	476.23	11.79	-17.55	475.75	-142.02	1.98
1985	1/22/2021 16:38	1/22/2021 16:40	0:01:40	13.27	-16.43	475.89	18.18	-12.58	476.57	-141.67	2.33
1986	1/22/2021 16:41	1/22/2021 16:41	0:00:30	20.60	-10.56	477.02	22.03	-9.32	477.33	-141.96	2.04
1987	1/22/2021 16:42	1/22/2021 16:44	0:02:10	23.93	-7.62	477.76	29.91	-1.69	479.43	-141.86	2.14
1988	1/22/2021 17:04	1/22/2021 17:04	0:00:10	45.06	94.24	491.57	44.75	94.99	491.57	-143.48	0.52
1989	1/22/2021 17:05	1/22/2021 17:06	0:00:11	43.13	98.57	491.50	42.79	99.26	491.48	-143.39	0.61
1990	1/22/2021 17:06	1/22/2021 17:07	0:00:30	41.02	102.60	491.38	39.91	104.51	491.30	-143.31	0.69
1991	1/22/2021 17:08	1/22/2021 17:09	0:01:50	38.37	106.96	491.18	33.88	113.14	490.80	-142.25	1.75
1992	1/22/2021 17:10	1/22/2021 17:10	0:00:09	31.72	115.72	490.61	31.29	116.22	490.57	-143.83	0.17
1993	1/22/2021 17:12	1/22/2021 17:14	0:01:51	27.70	120.04	490.27	22.58	124.87	489.90	-142.47	1.53
1994	1/22/2021 17:15	1/22/2021 17:15	0:00:30	18.27	128.54	489.68	16.82	129.71	489.63	-143.48	0.52
1995	1/22/2021 17:17	1/22/2021 17:18	0:01:11	13.39	132.38	489.55	9.93	134.97	489.56	-142.44	1.56
1996	1/22/2021 17:19	1/22/2021 17:40	0:20:49	5.94	137.85	489.66	-48.36	-160.48	498.83	-141.22	2.78
1997	1/22/2021 18:02	1/22/2021 18:02	0:00:20	-18.22	-63.40	479.56	-17.25	-62.61	479.25	-143.83	0.17
1998	1/22/2021 18:04	1/22/2021 18:12	0:08:19	-12.82	-59.17	477.95	12.22	-41.15	475.75	-141.91	2.09
1999	1/22/2021 18:13	1/22/2021 18:14	0:01:40	13.71	-40.02	475.90	18.61	-36.15	476.61	-141.70	2.30
2000	1/22/2021 18:15	1/22/2021 18:16	0:00:39	20.54	-34.53	476.98	22.45	-32.87	477.39	-142.47	1.53
2001	1/22/2021 18:16	1/22/2021 18:28	0:11:10	24.34	-31.16	477.84	49.18	10.79	487.65	-141.30	2.70
2002	1/22/2021 18:41	1/22/2021 18:41	0:00:20	40.33	79.88	491.39	39.57	81.13	491.34	-143.39	0.61
2003	1/22/2021 18:42	1/22/2021 18:44	0:01:49	38.03	83.56	491.22	33.50	89.68	490.82	-142.30	1.70
2004	1/22/2021 18:44	1/22/2021 18:45	0:00:19	31.77	91.73	490.67	30.90	92.73	490.59	-143.76	0.24
2005	1/22/2021 18:46	1/22/2021 18:48	0:02:01	27.75	96.06	490.33	22.17	101.32	489.93	-142.51	1.49
2006	1/22/2021 18:49	1/22/2021 18:50	0:00:31	17.85	104.96	489.71	16.39	106.13	489.66	-143.39	0.61
2007	1/22/2021 18:51	1/22/2021 18:52	0:01:10	12.95	108.78	489.59	9.49	111.36	489.60	-142.22	1.78
2008	1/22/2021 18:53	1/22/2021 19:11	0:17:41	5.50	114.24	489.72	-43.15	161.64	498.20	-141.93	2.07
2009	1/22/2021 19:36	1/22/2021 19:37	0:00:21	-18.28	-87.37	479.63	-17.31	-86.58	479.31	-143.84	0.16
2010	1/22/2021 19:38	1/22/2021 19:46	0:08:09	-12.39	-82.77	477.89	12.16	-65.12	475.80	-141.89	2.11
2011	1/22/2021 19:47	1/22/2021 19:49	0:01:40	14.14	-63.62	476.01	19.03	-59.72	476.75	-141.73	2.27
2012	1/22/2021 19:49	1/22/2021 19:50	0:00:41	20.96	-58.10	477.12	22.87	-56.43	477.54	-142.61	1.39
2013	1/22/2021 19:51	1/22/2021 20:04	0:13:19	24.29	-55.14	477.88	51.19	-1.27	489.21	-141.02	2.98
2014	1/22/2021 20:25	1/22/2021 20:26	0:01:10	12.52	85.18	489.54	9.05	87.75	489.56	-142.23	1.77
2015	1/22/2021 20:28	1/22/2021 20:41	0:12:51	5.06	90.62	489.69	-32.16	121.02	495.90	-142.32	1.68
2016	1/22/2021 20:54	1/22/2021 20:56	0:02:21	-51.74	-178.53	497.75	-50.48	-165.11	496.20	-142.52	1.48
2017	1/22/2021 20:57	1/22/2021 20:59	0:01:30	-49.24	-158.78	495.21	-47.13	-151.20	493.76	-142.39	1.61
2018	1/22/2021 21:46	1/22/2021 21:47	0:00:50	46.35	19.12	491.51	44.86	22.93	491.49	-142.57	1.43
2019	1/22/2021 21:48	1/22/2021 21:48	0:00:09	43.25	26.53	491.42	42.91	27.22	491.40	-143.71	0.29
2020	1/22/2021 21:49	1/22/2021 21:49	0:00:19	40.79	31.22	491.26	40.04	32.50	491.21	-143.61	0.39
2021	1/22/2021 21:50	1/22/2021 21:51	0:00:30	37.73	36.14	491.02	36.52	37.87	490.91	-142.91	1.09
2022	1/22/2021 21:51	1/22/2021 21:52	0:00:50	35.29	39.55	490.80	33.18	42.22	490.61	-142.30	1.70
2023	1/22/2021 21:53	1/22/2021 21:53	0:00:30	31.44	44.25	490.45	30.12	45.73	490.33	-143.31	0.69
2024	1/22/2021 21:54	1/22/2021 21:56	0:02:01	27.41	48.55	490.10	21.81	53.78	489.69	-142.53	1.47
2025	1/22/2021 22:24	1/22/2021 22:30	0:06:11	-50.25	136.24	499.02	-50.34	171.78	496.23	-140.34	3.66
2026	1/22/2021 22:32	1/22/2021 22:33	0:01:20	-49.06	178.06	495.23	-47.16	-175.23	493.94	-142.22	1.78
2027	1/22/2021 22:45	1/22/2021 22:45	0:00:09	-16.95	-134.15	479.54	-16.46	-133.76	479.39	-143.92	0.08
2028	1/22/2021 22:47	1/22/2021 22:55	0:08:19	-12.02	-130.34	478.12	13.02	-112.32	476.08	-141.49	2.51
2029	1/22/2021 22:56	1/22/2021 22:57	0:00:50	14.51	-111.19	476.23	16.96	-109.26	476.56	-141.70	2.30
2030	1/22/2021 23:20	1/22/2021 23:21	0:01:20	47.20	-7.29	491.35	44.91	-1.09	491.32	-142.74	1.26
2031	1/22/2021 23:22	1/22/2021 23:22	0:00:00	42.96	3.21	491.24	42.96	3.21	491.24	-143.75	0.25
2032	1/22/2021 23:23	1/22/2021 23:23	0:00:00	40.47	7.86	491.07	40.47	7.86	491.07	-143.86	0.14
2033	1/22/2021 23:25	1/22/2021 23:25	0:00:39	37.78	12.14	490.85	36.17	14.44	490.71	-143.32	0.68
2034	1/22/2021 23:26	1/22/2021 23:26	0:00:41	34.93	16.10	490.60	33.24	18.22	490.44	-142.37	1.63
2035	1/22/2021 23:27	1/22/2021 23:28	0:00:29	31.06	20.76	490.24	29.73	22.22	490.12	-143.03	0.97
2036	1/22/2021 23:29	1/22/2021 23:31	0:01:51	27.01	25.02	489.89	21.87	29.80	489.53	-142.52	1.48
2037	1/22/2021 23:32	1/22/2021 23:33	0:01:20	18.03	33.03	489.34	14.12	36.11	489.23	-142.88	1.12
2038	1/22/2021 23:34	1/22/2021 23:35	0:00:59	11.66	37.98	489.21	8.68	40.17	489.25	-142.34	1.66
2039	1/22/2021 23:36	1/22/2021 23:40	0:03:31	4.68	43.03	489.40	-5.84	50.46	490.38	-142.64	1.36
2040	1/22/2021 23:50	1/23/2021 0:05	0:14:41	-34.19	75.63	496.28	-50.36	147.74	496.21	-140.13	3.87

Table 10 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)
2041	1/23/2021 0:06	1/23/2021 0:06	0:00:29	-48.88	154.89	495.06	-48.20	157.45	494.59	-142.15	1.85
2042	1/23/2021 0:23	1/23/2021 0:30	0:06:31	-6.09	-149.94	476.85	13.46	-135.92	476.13	-141.56	2.44
2043	1/23/2021 0:30	1/23/2021 0:32	0:01:40	14.94	-134.78	476.29	19.81	-130.85	477.04	-141.80	2.20
2044	1/23/2021 0:32	1/23/2021 0:33	0:00:41	21.73	-129.21	477.42	23.63	-127.52	477.84	-143.53	0.47
2045	1/23/2021 0:33	1/23/2021 0:38	0:04:50	25.04	-126.22	478.18	37.71	-111.53	482.20	-141.88	2.12
2046	1/23/2021 0:54	1/23/2021 0:56	0:01:20	46.97	-30.51	491.33	44.63	-24.37	491.29	-142.94	1.06
2047	1/23/2021 0:56	1/23/2021 0:56	0:00:00	43.00	-20.80	491.22	43.00	-20.80	491.22	-143.89	0.11
2048	1/23/2021 0:59	1/23/2021 0:59	0:00:30	37.43	-11.27	490.80	36.22	-9.55	490.69	-143.79	0.21
2049	1/23/2021 1:00	1/23/2021 1:01	0:00:50	34.98	-7.89	490.57	32.86	-5.25	490.38	-142.48	1.52
2050	1/23/2021 1:01	1/23/2021 1:02	0:00:50	31.12	-3.22	490.22	28.89	-0.81	490.02	-142.75	1.25
2051	1/23/2021 1:03	1/23/2021 1:05	0:01:40	26.15	1.94	489.80	21.45	6.24	489.47	-142.44	1.56
2052	1/23/2021 1:06	1/23/2021 1:07	0:00:21	17.60	9.45	489.29	16.63	10.23	489.25	-143.40	0.60
2053	1/23/2021 1:07	1/23/2021 1:07	0:00:29	15.17	11.38	489.22	13.69	12.52	489.19	-142.84	1.16
2054	1/23/2021 1:08	1/23/2021 1:10	0:01:20	11.22	14.38	489.18	7.24	17.28	489.25	-142.25	1.75
2055	1/23/2021 1:11	1/23/2021 1:17	0:06:00	4.24	19.42	489.39	-13.72	32.33	491.61	-142.52	1.48
2056	1/23/2021 1:17	1/23/2021 1:22	0:04:40	-15.19	33.46	491.89	-28.45	45.17	494.85	-142.17	1.83
2057	1/23/2021 1:55	1/23/2021 2:04	0:08:20	-11.65	-177.91	478.01	13.40	-159.89	476.09	-141.67	2.33
2058	1/23/2021 2:04	1/23/2021 2:06	0:01:31	15.37	-158.37	476.31	19.76	-154.82	476.99	-141.67	2.33
2059	1/23/2021 2:06	1/23/2021 2:17	0:10:01	21.68	-153.18	477.37	46.03	-119.28	485.76	-141.35	2.65
2060	1/23/2021 3:30	1/23/2021 3:38	0:08:11	-10.71	158.86	477.71	13.84	176.52	476.08	-141.74	2.26
2061	1/23/2021 3:39	1/23/2021 3:40	0:01:31	15.80	178.05	476.32	20.18	-178.39	477.03	-141.68	2.32
2062	1/23/2021 3:41	1/23/2021 3:42	0:00:41	22.10	-176.74	477.42	23.99	-175.04	477.85	-143.36	0.64
2063	1/23/2021 3:48	1/23/2021 3:54	0:05:30	41.78	-152.64	483.81	50.47	-126.20	488.36	-141.03	2.97
2064	1/23/2021 3:55	1/23/2021 3:56	0:01:00	50.89	-123.39	488.70	51.49	-117.63	489.31	-141.11	2.89
2065	1/23/2021 5:04	1/23/2021 5:12	0:07:59	-10.27	135.26	477.54	13.78	152.55	475.97	-141.58	2.42
2066	1/23/2021 5:13	1/23/2021 5:14	0:00:50	15.74	154.08	476.21	18.19	156.03	476.57	-141.80	2.20
2067	1/23/2021 5:52	1/23/2021 5:53	0:01:20	8.92	-55.70	489.40	4.92	-52.83	489.56	-142.74	1.26
2068	1/23/2021 5:54	1/23/2021 6:14	0:20:20	3.42	-51.77	489.66	-48.81	9.85	499.21	-141.24	2.76
2069	1/23/2021 6:39	1/23/2021 6:47	0:08:00	-9.84	111.65	477.37	14.21	128.96	475.87	-141.48	2.52
2070	1/23/2021 6:47	1/23/2021 6:49	0:01:40	16.17	130.49	476.11	21.02	134.48	476.92	-141.56	2.44
2071	1/23/2021 6:49	1/23/2021 6:58	0:09:01	22.46	135.73	477.21	44.72	165.66	484.80	-141.46	2.54
2072	1/23/2021 7:08	1/23/2021 7:08	0:00:09	50.46	-140.49	490.77	50.31	-139.57	490.81	-143.58	0.42
2073	1/23/2021 7:09	1/23/2021 7:11	0:01:40	49.61	-135.94	490.94	47.36	-127.39	491.13	-141.64	2.36
2074	1/23/2021 7:11	1/23/2021 7:13	0:02:10	46.55	-124.99	491.14	42.47	-115.44	491.05	-143.42	0.58
2075	1/23/2021 7:14	1/23/2021 7:14	0:00:00	40.32	-111.50	490.92	40.32	-111.50	490.92	-143.79	0.21
2076	1/23/2021 7:17	1/23/2021 7:18	0:00:39	33.92	-102.23	490.43	32.20	-100.16	490.29	-142.73	1.27
2077	1/23/2021 7:18	1/23/2021 7:19	0:00:59	30.44	-98.17	490.15	27.74	-95.32	489.94	-142.32	1.68
2078	1/23/2021 7:21	1/23/2021 7:22	0:01:20	24.04	-91.76	489.70	20.24	-88.42	489.50	-142.25	1.75
2079	1/23/2021 7:23	1/23/2021 7:25	0:01:50	16.86	-85.64	489.39	11.46	-81.49	489.35	-142.83	1.17
2080	1/23/2021 7:26	1/23/2021 7:26	0:00:39	9.97	-80.39	489.37	7.98	-78.94	489.43	-142.75	1.25
2081	1/23/2021 7:27	1/23/2021 7:27	0:00:00	6.48	-77.86	489.49	6.48	-77.86	489.49	-143.71	0.29
2082	1/23/2021 8:13	1/23/2021 8:21	0:08:01	-9.40	88.05	477.24	14.64	105.37	475.89	-141.55	2.45
2083	1/23/2021 8:21	1/23/2021 8:23	0:01:30	16.61	106.91	476.14	20.97	110.51	476.88	-141.69	2.31
2084	1/23/2021 8:23	1/23/2021 8:24	0:00:50	22.40	111.76	477.18	24.76	113.90	477.72	-142.92	1.08
2085	1/23/2021 8:25	1/23/2021 8:28	0:03:31	26.16	115.23	478.08	35.43	125.66	480.98	-141.74	2.26
2086	1/23/2021 8:41	1/23/2021 8:43	0:01:41	51.49	-173.09	490.36	50.33	-163.60	490.85	-142.25	1.75
2087	1/23/2021 8:43	1/23/2021 8:45	0:01:39	49.63	-159.97	490.98	47.39	-151.41	491.17	-141.53	2.47
2088	1/23/2021 8:45	1/23/2021 8:48	0:02:29	46.58	-149.00	491.19	41.81	-138.10	491.06	-143.38	0.62
2089	1/23/2021 8:48	1/23/2021 8:49	0:00:21	40.36	-135.50	490.98	39.61	-134.24	490.93	-143.64	0.36
2090	1/23/2021 8:51	1/23/2021 8:52	0:00:39	33.54	-125.69	490.46	31.81	-123.63	490.32	-142.69	1.31
2091	1/23/2021 8:53	1/23/2021 8:54	0:00:59	30.05	-121.66	490.18	27.34	-118.84	489.98	-142.32	1.68
2092	1/23/2021 8:55	1/23/2021 8:56	0:01:30	24.09	-115.74	489.76	19.82	-111.99	489.55	-142.22	1.78
2093	1/23/2021 8:57	1/23/2021 9:00	0:03:09	16.92	-109.61	489.45	7.54	-102.55	489.52	-142.82	1.18
2094	1/23/2021 9:01	1/23/2021 9:01	0:00:10	6.04	-101.47	489.59	5.54	-101.12	489.62	-143.51	0.49
2095	1/23/2021 9:02	1/23/2021 9:08	0:06:09	3.04	-99.34	489.78	-15.39	-86.00	492.35	-142.39	1.61
2096	1/23/2021 9:09	1/23/2021 9:10	0:01:39	-16.86	-84.85	492.65	-21.67	-80.85	493.70	-142.78	1.22
2097	1/23/2021 9:13	1/23/2021 9:23	0:10:10	-29.53	-73.31	495.57	-50.12	-32.00	499.33	-141.22	2.78
2098	1/23/2021 10:12	1/23/2021 10:17	0:04:31	51.45	146.21	489.03	50.34	172.36	490.89	-141.29	2.71
2099	1/23/2021 10:18	1/23/2021 10:19	0:01:29	49.46	176.89	491.06	47.42	-175.44	491.23	-141.53	2.47
2100	1/23/2021 10:20	1/23/2021 10:22	0:02:00	46.34	-172.24	491.25	42.56	-163.46	491.16	-143.16	0.84

Table 10 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)
2101	1/23/2021 10:26	1/23/2021 10:26	0:00:09	32.30	-148.13	490.43	31.87	-147.62	490.39	-142.75	1.25
2102	1/23/2021 10:27	1/23/2021 10:28	0:01:09	30.10	-145.65	490.25	26.94	-142.37	490.02	-142.24	1.76
2103	1/23/2021 10:29	1/23/2021 10:31	0:01:31	23.68	-139.29	489.81	19.40	-135.56	489.60	-142.28	1.72
2104	1/23/2021 10:32	1/23/2021 10:35	0:03:00	16.49	-133.20	489.51	7.60	-126.52	489.58	-142.84	1.16
2105	1/23/2021 10:35	1/23/2021 10:35	0:00:11	6.10	-125.44	489.64	5.60	-125.09	489.67	-143.61	0.39
2106	1/23/2021 10:36	1/23/2021 10:56	0:19:51	2.60	-122.96	489.86	-48.51	-63.09	499.32	-141.35	2.65
2107	1/23/2021 11:07	1/23/2021 11:07	0:00:19	-46.62	-5.00	493.67	-46.05	-3.44	493.30	-143.56	0.44
2108	1/23/2021 11:09	1/23/2021 11:09	0:00:00	-42.21	5.24	490.97	-42.21	5.24	490.97	-143.83	0.17
2109	1/23/2021 11:21	1/23/2021 11:26	0:04:31	-9.02	40.48	477.11	4.55	50.10	475.39	-142.70	1.30
2110	1/23/2021 11:36	1/23/2021 11:45	0:09:00	34.07	76.05	480.45	50.67	115.48	488.25	-141.31	2.69
2111	1/23/2021 11:46	1/23/2021 11:51	0:05:21	51.05	118.32	488.59	50.21	149.24	490.94	-141.17	2.83
2112	1/23/2021 11:52	1/23/2021 11:53	0:01:39	49.49	152.85	491.07	47.19	161.35	491.26	-141.47	2.53
2113	1/23/2021 11:54	1/23/2021 11:54	0:00:00	46.37	163.74	491.27	46.37	163.74	491.27	-143.84	0.16
2114	1/23/2021 12:09	1/23/2021 12:09	0:00:00	7.16	-150.13	489.64	7.16	-150.13	489.64	-143.92	0.08
2115	1/23/2021 12:10	1/23/2021 12:10	0:00:10	5.66	-149.06	489.71	5.16	-148.70	489.74	-143.83	0.17
2116	1/23/2021 12:11	1/23/2021 12:26	0:15:19	2.66	-146.93	489.90	-40.19	-107.06	498.03	-141.90	2.10
2117	1/23/2021 12:41	1/23/2021 12:41	0:00:29	-46.92	-29.82	493.79	-46.09	-27.46	493.25	-143.43	0.57
2118	1/23/2021 12:43	1/23/2021 12:43	0:00:09	-42.25	-18.77	490.92	-41.90	-18.10	490.71	-143.46	0.54
2119	1/23/2021 12:56	1/23/2021 13:04	0:08:00	-8.58	16.87	476.95	15.44	34.22	475.89	-141.41	2.59
2120	1/23/2021 13:04	1/23/2021 13:06	0:01:40	16.91	35.38	476.09	21.75	39.41	476.95	-141.81	2.19
2121	1/23/2021 13:06	1/23/2021 13:07	0:00:50	23.17	40.67	477.26	25.52	42.85	477.82	-142.35	1.65
2122	1/23/2021 13:08	1/23/2021 13:08	0:00:10	26.91	44.19	478.19	27.37	44.65	478.31	-142.52	1.48
2123	1/23/2021 13:38	1/23/2021 13:39	0:01:49	23.80	172.76	489.86	18.55	177.29	489.62	-142.31	1.69
2124	1/23/2021 13:40	1/23/2021 13:42	0:01:40	16.12	179.24	489.56	11.20	-177.00	489.55	-142.72	1.28
2125	1/23/2021 13:42	1/23/2021 13:43	0:00:50	9.71	-175.90	489.57	7.22	-174.09	489.65	-142.87	1.13
2126	1/23/2021 13:44	1/23/2021 13:44	0:00:00	5.23	-172.67	489.75	5.23	-172.67	489.75	-143.94	0.06
2127	1/23/2021 13:45	1/23/2021 13:51	0:06:11	2.22	-170.54	489.95	-16.19	-157.15	492.59	-142.39	1.61
2128	1/23/2021 13:52	1/23/2021 14:03	0:11:59	-17.65	-155.99	492.89	-46.96	-116.10	499.20	-141.34	2.66
2129	1/23/2021 14:30	1/23/2021 14:38	0:07:50	-8.15	-6.73	476.83	15.38	10.25	475.84	-141.32	2.68
2130	1/23/2021 15:06	1/23/2021 15:06	0:00:29	39.03	130.99	490.92	37.86	132.79	490.84	-143.24	0.76
2131	1/23/2021 15:08	1/23/2021 15:11	0:02:39	32.89	139.40	490.46	25.72	147.04	489.94	-142.13	1.87
2132	1/23/2021 15:12	1/23/2021 15:14	0:01:50	23.38	149.21	489.79	18.13	153.71	489.56	-142.26	1.74
2133	1/23/2021 15:14	1/23/2021 15:16	0:01:31	15.69	155.66	489.51	11.26	159.03	489.50	-142.62	1.38
2134	1/23/2021 15:17	1/23/2021 15:17	0:00:50	9.28	160.50	489.54	6.78	162.30	489.63	-142.71	1.29
2135	1/23/2021 15:19	1/23/2021 15:25	0:06:11	1.78	165.85	489.95	-16.62	179.26	492.64	-142.35	1.65
2136	1/23/2021 15:26	1/23/2021 15:28	0:01:50	-18.07	-179.57	492.95	-23.33	-175.07	494.11	-142.80	1.20
2137	1/23/2021 15:32	1/23/2021 15:40	0:08:10	-34.11	-163.72	496.67	-49.86	-129.05	499.26	-141.31	2.69
2138	1/23/2021 16:38	1/23/2021 16:38	0:00:30	43.40	99.13	491.14	42.38	101.20	491.10	-142.96	1.04
2139	1/23/2021 16:39	1/23/2021 16:41	0:01:20	40.58	104.50	491.01	37.51	109.38	490.80	-142.88	1.12
2140	1/23/2021 16:43	1/23/2021 16:46	0:02:51	32.51	115.93	490.43	24.84	123.95	489.88	-141.76	2.24
2141	1/23/2021 16:46	1/23/2021 16:48	0:01:40	22.97	125.67	489.77	18.18	129.75	489.58	-142.34	1.66
2142	1/23/2021 16:49	1/23/2021 16:50	0:01:20	15.26	132.07	489.51	11.32	135.07	489.52	-142.63	1.37
2143	1/23/2021 16:51	1/23/2021 16:52	0:00:39	8.84	136.89	489.57	6.84	138.33	489.65	-142.54	1.46
2144	1/23/2021 16:54	1/23/2021 17:12	0:18:59	1.33	142.24	490.01	-47.93	-160.87	499.21	-141.36	2.64
2145	1/23/2021 17:39	1/23/2021 17:40	0:01:00	-7.76	-54.30	476.66	-4.75	-52.15	476.11	-143.45	0.55
2146	1/23/2021 17:40	1/23/2021 17:45	0:04:50	-3.24	-51.08	475.88	11.32	-40.69	475.37	-141.30	2.70
2147	1/23/2021 17:45	1/23/2021 17:49	0:03:20	12.81	-39.58	475.49	22.54	-31.67	477.02	-140.79	3.21
2148	1/23/2021 17:49	1/23/2021 17:50	0:00:39	23.96	-30.39	477.34	25.83	-28.64	477.81	-141.98	2.02
2149	1/23/2021 17:51	1/23/2021 18:00	0:09:29	27.67	-26.82	478.31	48.57	9.49	486.76	-141.03	2.97
2150	1/23/2021 18:14	1/23/2021 18:15	0:01:19	40.62	80.50	491.07	37.55	85.39	490.87	-142.99	1.01
2151	1/23/2021 18:16	1/23/2021 18:16	0:00:00	34.69	89.32	490.65	34.69	89.32	490.65	-143.91	0.09
2152	1/23/2021 18:17	1/23/2021 18:20	0:03:00	32.56	91.95	490.48	24.43	100.41	489.91	-141.84	2.16
2153	1/23/2021 18:20	1/23/2021 18:22	0:01:40	22.55	102.11	489.80	17.75	106.17	489.61	-142.56	1.44
2154	1/23/2021 18:23	1/23/2021 18:25	0:01:20	14.82	108.49	489.55	10.88	111.47	489.57	-142.61	1.39
2155	1/23/2021 18:25	1/23/2021 18:26	0:00:39	8.39	113.29	489.63	6.40	114.73	489.71	-142.33	1.67
2156	1/23/2021 18:28	1/23/2021 18:45	0:17:20	1.39	118.27	490.04	-45.14	167.23	498.92	-141.74	2.26
2157	1/23/2021 18:55	1/23/2021 18:55	0:00:20	-50.28	-138.84	496.20	-49.94	-137.02	495.92	-142.95	1.05
2158	1/23/2021 18:57	1/23/2021 18:58	0:01:29	-48.06	-129.17	494.51	-45.64	-121.98	492.91	-142.84	1.16
2159	1/23/2021 19:00	1/23/2021 19:00	0:00:09	-41.71	-113.44	490.54	-41.35	-112.78	490.33	-143.71	0.29
2160	1/23/2021 19:15	1/23/2021 19:19	0:03:50	0.23	-72.57	475.54	11.76	-64.29	475.46	-141.24	2.76

Table 10 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)
2161	1/23/2021 19:20	1/23/2021 19:23	0:03:20	13.24	-63.17	475.59	22.96	-55.22	477.16	-140.23	3.77
2162	1/23/2021 19:24	1/23/2021 19:24	0:00:39	24.37	-53.93	477.49	26.24	-52.16	477.97	-141.96	2.04
2163	1/23/2021 19:25	1/23/2021 19:36	0:11:10	27.62	-50.80	478.34	50.44	-5.61	488.04	-140.62	3.38
2164	1/23/2021 19:58	1/23/2021 19:59	0:01:19	14.39	84.90	489.50	10.44	87.87	489.52	-142.61	1.39
2165	1/23/2021 20:00	1/23/2021 20:00	0:00:41	7.95	89.68	489.59	5.95	91.12	489.68	-142.44	1.56
2166	1/23/2021 20:02	1/23/2021 20:08	0:06:09	0.95	94.66	490.03	-17.42	108.13	492.83	-142.40	1.60
2167	1/23/2021 20:09	1/23/2021 20:15	0:06:50	-18.87	109.32	493.14	-37.26	128.75	497.45	-142.13	1.87
2168	1/23/2021 20:28	1/23/2021 20:29	0:01:41	-51.30	-170.41	497.40	-49.96	-161.05	496.11	-142.13	1.87
2169	1/23/2021 20:31	1/23/2021 20:32	0:01:40	-48.09	-153.20	494.71	-45.38	-145.24	492.93	-142.88	1.12
2170	1/23/2021 20:47	1/23/2021 20:47	0:00:00	-7.38	-101.88	476.81	-7.38	-101.88	476.81	-143.80	0.20
2171	1/23/2021 20:48	1/23/2021 20:48	0:00:39	-5.87	-100.80	476.52	-3.86	-99.37	476.19	-143.60	0.40
2172	1/23/2021 20:49	1/23/2021 20:49	0:00:49	-2.35	-98.31	475.98	0.16	-96.54	475.69	-143.37	0.63
2173	1/23/2021 21:59	1/23/2021 22:04	0:04:29	-51.66	149.92	498.93	-49.81	175.82	496.14	-141.50	2.50
2174	1/23/2021 22:05	1/23/2021 22:07	0:01:40	-48.12	-177.22	494.90	-45.41	-169.26	493.13	-142.96	1.04
2175	1/23/2021 22:21	1/23/2021 22:21	0:00:11	-7.44	-125.85	476.97	-6.94	-125.49	476.87	-143.92	0.08
2176	1/23/2021 22:22	1/23/2021 22:28	0:05:50	-5.43	-124.41	476.59	12.13	-111.87	475.69	-141.51	2.49
2177	1/23/2021 22:28	1/23/2021 22:30	0:01:20	13.61	-110.74	475.81	17.54	-107.66	476.29	-139.16	4.84
2178	1/23/2021 22:53	1/23/2021 22:54	0:00:20	46.33	-3.60	490.94	45.75	-2.06	490.94	-143.72	0.28
2179	1/23/2021 22:54	1/23/2021 22:56	0:01:31	44.53	0.94	490.92	41.48	7.19	490.78	-142.56	1.44
2180	1/23/2021 22:57	1/23/2021 22:58	0:01:40	39.64	10.38	490.67	35.67	16.25	490.37	-143.00	1.00
2181	1/23/2021 22:59	1/23/2021 22:59	0:00:10	34.00	18.42	490.23	33.57	18.95	490.20	-143.82	0.18
2182	1/23/2021 23:00	1/23/2021 23:00	0:00:00	31.84	21.00	490.06	31.84	21.00	490.06	-143.96	0.04
2183	1/23/2021 23:01	1/23/2021 23:03	0:01:51	29.18	23.94	489.85	24.13	28.91	489.51	-141.95	2.05
2184	1/23/2021 23:04	1/23/2021 23:05	0:01:29	20.81	31.84	489.34	16.46	35.42	489.20	-142.42	1.58
2185	1/23/2021 23:06	1/23/2021 23:07	0:01:10	13.52	37.71	489.17	10.06	40.29	489.21	-142.84	1.16
2186	1/23/2021 23:08	1/23/2021 23:09	0:00:31	7.07	42.46	489.31	5.57	43.53	489.39	-143.18	0.82
2187	1/23/2021 23:11	1/23/2021 23:12	0:01:19	0.06	47.43	489.82	-3.95	50.25	490.27	-142.59	1.41
2188	1/23/2021 23:23	1/23/2021 23:32	0:08:21	-36.36	79.62	497.17	-50.85	117.24	499.28	-141.27	2.73
2189	1/23/2021 23:33	1/23/2021 23:36	0:03:00	-51.38	122.00	499.10	-51.49	139.59	497.74	-141.41	2.59
2190	1/23/2021 23:36	1/23/2021 23:38	0:01:41	-51.23	142.48	497.42	-49.83	151.79	496.13	-142.06	1.94
2191	1/23/2021 23:39	1/23/2021 23:41	0:01:40	-48.15	158.75	494.89	-45.45	166.73	493.13	-142.95	1.05
2192	1/23/2021 23:56	1/23/2021 23:56	0:00:00	-7.00	-149.46	476.90	-7.00	-149.46	476.90	-143.96	0.04
2193	1/23/2021 23:56	1/24/2021 0:02	0:05:51	-4.99	-148.02	476.53	12.57	-135.46	475.74	-141.46	2.54
2194	1/24/2021 0:02	1/24/2021 0:05	0:02:51	14.05	-134.33	475.87	22.31	-127.58	477.15	-139.62	4.38
2195	1/24/2021 0:06	1/24/2021 0:07	0:00:39	24.67	-125.43	477.68	26.53	-123.66	478.14	-142.23	1.77
2196	1/24/2021 0:08	1/24/2021 0:11	0:03:00	28.36	-121.82	478.63	36.18	-112.59	481.15	-141.67	2.33
2197	1/24/2021 0:28	1/24/2021 0:28	0:00:20	46.07	-26.84	490.92	45.49	-25.31	490.91	-143.80	0.20
2198	1/24/2021 0:28	1/24/2021 0:30	0:01:40	44.56	-23.07	490.90	41.16	-16.16	490.74	-142.46	1.54
2199	1/24/2021 0:31	1/24/2021 0:33	0:01:51	39.68	-13.61	490.64	35.31	-7.19	490.31	-142.60	1.40
2200	1/24/2021 0:33	1/24/2021 0:33	0:00:11	33.62	-5.04	490.18	33.19	-4.51	490.14	-143.82	0.18
2201	1/24/2021 0:35	1/24/2021 0:37	0:01:50	28.79	0.43	489.79	23.71	5.36	489.45	-142.00	2.00
2202	1/24/2021 0:38	1/24/2021 0:39	0:01:59	21.82	7.05	489.35	16.03	11.84	489.15	-142.28	1.72
2203	1/24/2021 0:41	1/24/2021 0:42	0:01:09	13.09	14.11	489.13	9.62	16.69	489.18	-142.82	1.18
2204	1/24/2021 0:43	1/24/2021 0:43	0:00:30	6.63	18.86	489.29	5.13	19.93	489.37	-143.45	0.55
2205	1/24/2021 0:45	1/24/2021 0:54	0:09:11	-0.38	23.81	489.82	-27.19	45.03	494.86	-142.07	1.93
2206	1/24/2021 1:01	1/24/2021 1:06	0:05:00	-44.05	68.99	498.79	-50.96	94.15	499.24	-141.46	2.54
2207	1/24/2021 1:07	1/24/2021 1:10	0:03:00	-51.37	97.97	499.08	-51.50	115.55	497.73	-141.27	2.73
2208	1/24/2021 1:10	1/24/2021 1:10	0:00:00	-51.24	118.44	497.41	-51.24	118.44	497.41	-143.63	0.37
2209	1/24/2021 1:30	1/24/2021 1:36	0:05:41	-4.55	-171.63	476.43	12.51	-159.43	475.70	-141.51	2.49
2210	1/24/2021 1:37	1/24/2021 1:40	0:03:00	14.00	-158.30	475.83	22.73	-151.13	477.21	-139.21	4.79
2211	1/24/2021 1:41	1/24/2021 1:41	0:00:40	25.08	-148.97	477.74	26.94	-147.18	478.21	-142.31	1.69
2212	1/24/2021 1:42	1/24/2021 1:49	0:07:20	28.77	-145.33	478.71	45.80	-118.75	485.13	-140.51	3.49
2213	1/24/2021 2:05	1/24/2021 2:07	0:01:31	38.96	-36.37	490.57	35.35	-31.17	490.30	-142.43	1.57
2214	1/24/2021 2:07	1/24/2021 2:08	0:00:41	33.67	-29.02	490.16	31.95	-26.96	490.03	-143.62	0.38
2215	1/24/2021 2:09	1/24/2021 2:11	0:02:00	28.84	-23.54	489.79	23.30	-18.18	489.43	-142.08	1.92
2216	1/24/2021 2:12	1/24/2021 2:14	0:01:49	21.40	-16.51	489.33	16.09	-12.13	489.16	-142.37	1.63
2217	1/24/2021 2:15	1/24/2021 2:16	0:01:21	13.14	-9.85	489.15	9.18	-6.91	489.21	-142.73	1.27
2218	1/24/2021 2:17	1/24/2021 2:17	0:00:20	6.19	-4.75	489.34	5.19	-4.04	489.39	-143.66	0.34
2219	1/24/2021 2:19	1/24/2021 2:29	0:09:51	-0.83	0.20	489.89	-29.40	23.38	495.43	-142.09	1.91
2220	1/24/2021 3:05	1/24/2021 3:11	0:05:40	-4.10	164.76	476.29	12.95	176.98	475.69	-141.73	2.27

Table 10 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)
2221	1/24/2021 3:11	1/24/2021 3:14	0:03:21	14.43	178.12	475.83	24.09	-173.81	477.47	-140.00	4.00
2222	1/24/2021 3:15	1/24/2021 3:16	0:00:41	25.50	-172.50	477.81	27.35	-170.69	478.29	-142.34	1.66
2223	1/24/2021 3:16	1/24/2021 3:25	0:09:00	29.17	-168.83	478.80	48.64	-133.81	486.64	-140.63	3.37
2224	1/24/2021 4:02	1/24/2021 4:13	0:11:00	-24.77	-5.15	494.41	-49.10	36.08	499.46	-141.50	2.50
2225	1/24/2021 4:39	1/24/2021 4:45	0:05:50	-4.16	140.80	476.22	13.39	153.39	475.63	-141.67	2.33
2226	1/24/2021 4:45	1/24/2021 4:48	0:02:51	14.87	154.53	475.78	23.10	161.36	477.14	-140.48	3.52
2227	1/24/2021 4:49	1/24/2021 4:50	0:01:00	24.51	162.65	477.46	27.30	165.33	478.16	-142.27	1.73
2228	1/24/2021 4:50	1/24/2021 4:59	0:08:51	29.12	167.20	478.67	48.38	-158.69	486.41	-140.71	3.29
2229	1/24/2021 5:24	1/24/2021 5:25	0:00:21	9.29	-54.84	489.37	8.30	-54.11	489.41	-143.49	0.51
2230	1/24/2021 5:28	1/24/2021 5:46	0:17:39	-1.72	-47.02	490.19	-47.44	6.15	499.53	-141.46	2.54
2231	1/24/2021 6:13	1/24/2021 6:21	0:07:51	-4.22	116.83	476.15	19.21	134.08	476.22	-140.80	3.20
2232	1/24/2021 6:22	1/24/2021 6:24	0:02:30	20.65	135.30	476.48	27.70	141.81	478.09	-142.00	2.00
2233	1/24/2021 6:25	1/24/2021 6:32	0:07:10	29.52	143.69	478.59	46.00	169.99	484.91	-140.67	3.33
2234	1/24/2021 6:42	1/24/2021 6:42	0:00:00	49.75	-135.48	490.46	49.75	-135.48	490.46	-143.75	0.25
2235	1/24/2021 6:43	1/24/2021 6:44	0:00:59	48.52	-130.22	490.63	47.03	-125.25	490.72	-142.56	1.44
2236	1/24/2021 6:44	1/24/2021 6:45	0:00:30	45.91	-122.10	490.74	45.01	-119.83	490.74	-143.26	0.74
2237	1/24/2021 6:45	1/24/2021 6:47	0:01:31	43.74	-116.92	490.72	40.59	-110.85	490.59	-142.33	1.67
2238	1/24/2021 6:48	1/24/2021 6:50	0:01:51	39.09	-108.34	490.50	34.66	-102.03	490.21	-142.33	1.67
2239	1/24/2021 6:50	1/24/2021 6:51	0:00:50	33.38	-100.44	490.12	31.21	-97.89	489.96	-142.81	1.19
2240	1/24/2021 6:52	1/24/2021 6:54	0:01:59	28.08	-94.53	489.75	22.51	-89.25	489.45	-142.27	1.73
2241	1/24/2021 6:55	1/24/2021 6:57	0:02:00	20.60	-87.59	489.38	14.78	-82.88	489.27	-142.31	1.69
2242	1/24/2021 6:58	1/24/2021 6:59	0:01:20	12.32	-81.00	489.29	8.35	-78.07	489.41	-142.54	1.46
2243	1/24/2021 7:02	1/24/2021 7:22	0:19:59	-2.16	-70.63	490.27	-50.49	-4.78	499.59	-141.53	2.47
2244	1/24/2021 7:47	1/24/2021 7:55	0:07:49	-4.27	92.87	476.12	19.15	110.11	476.19	-141.35	2.65
2245	1/24/2021 7:56	1/24/2021 7:57	0:01:29	20.60	111.33	476.44	24.87	115.14	477.35	-141.68	2.32
2246	1/24/2021 7:58	1/24/2021 7:58	0:00:50	26.27	116.47	477.69	28.56	118.77	478.31	-141.81	2.19
2247	1/24/2021 7:59	1/24/2021 8:03	0:04:01	29.91	120.20	478.70	39.90	133.41	482.20	-141.67	2.33
2248	1/24/2021 8:15	1/24/2021 8:16	0:01:19	50.98	-166.91	490.15	49.77	-159.50	490.49	-142.03	1.97
2249	1/24/2021 8:17	1/24/2021 8:18	0:01:09	48.54	-154.24	490.65	46.79	-148.46	490.76	-142.47	1.53
2250	1/24/2021 8:18	1/24/2021 8:19	0:00:41	45.94	-146.11	490.77	44.74	-143.10	490.77	-142.75	1.25
2251	1/24/2021 8:20	1/24/2021 8:21	0:01:29	43.45	-140.21	490.74	40.26	-134.20	490.61	-142.53	1.47
2252	1/24/2021 8:22	1/24/2021 8:25	0:03:11	39.13	-132.34	490.54	31.26	-121.87	490.01	-142.35	1.65
2253	1/24/2021 8:26	1/24/2021 8:28	0:01:51	27.22	-117.59	489.75	22.08	-112.80	489.48	-142.32	1.68
2254	1/24/2021 8:29	1/24/2021 8:31	0:01:20	19.69	-110.75	489.40	15.81	-107.61	489.33	-142.38	1.62
2255	1/24/2021 8:32	1/24/2021 8:33	0:01:20	11.88	-104.59	489.36	7.91	-101.68	489.49	-142.53	1.47
2256	1/24/2021 8:35	1/24/2021 8:35	0:00:09	1.90	-97.41	489.91	1.40	-97.06	489.96	-143.74	0.26
2257	1/24/2021 8:37	1/24/2021 8:43	0:06:09	-2.11	-94.59	490.34	-20.36	-80.84	493.66	-142.85	1.15
2258	1/24/2021 8:45	1/24/2021 8:55	0:09:21	-28.29	-73.47	495.59	-48.59	-37.71	499.77	-141.48	2.52
2259	1/24/2021 10:01	1/24/2021 10:03	0:01:51	26.81	-141.11	489.80	21.67	-136.36	489.54	-142.35	1.65
2260	1/24/2021 10:04	1/24/2021 10:05	0:01:00	18.79	-133.92	489.45	15.87	-131.58	489.40	-142.41	1.59
2261	1/24/2021 10:06	1/24/2021 10:07	0:01:29	11.94	-128.56	489.42	7.47	-125.29	489.58	-142.67	1.33
2262	1/24/2021 10:09	1/24/2021 10:10	0:00:39	1.96	-121.38	489.96	-0.04	-119.97	490.16	-143.60	0.40
2263	1/24/2021 10:11	1/24/2021 10:30	0:18:50	-2.55	-118.20	490.45	-49.41	-58.27	499.76	-141.56	2.44
2264	1/24/2021 10:40	1/24/2021 10:41	0:00:39	-45.69	-1.35	493.38	-44.46	1.63	492.61	-143.81	0.19
2265	1/24/2021 10:56	1/24/2021 10:58	0:02:21	-3.89	45.29	476.01	3.16	50.26	475.23	-142.65	1.35
2266	1/24/2021 11:13	1/24/2021 11:18	0:05:30	43.05	91.36	483.52	50.97	118.75	487.99	-140.38	3.62
2267	1/24/2021 11:19	1/24/2021 11:24	0:05:09	51.46	123.55	488.52	49.63	153.33	490.59	-140.68	3.32
2268	1/24/2021 11:25	1/24/2021 11:26	0:01:11	48.59	157.71	490.73	46.85	163.50	490.84	-142.68	1.32
2269	1/24/2021 11:27	1/24/2021 11:28	0:00:40	45.72	166.63	490.86	44.50	169.62	490.86	-142.58	1.42
2270	1/24/2021 11:28	1/24/2021 11:30	0:01:50	43.19	172.47	490.83	39.22	179.67	490.65	-142.58	1.42
2271	1/24/2021 11:41	1/24/2021 11:42	0:00:30	8.52	-149.97	489.57	7.03	-148.90	489.64	-143.01	0.99
2272	1/24/2021 11:44	1/24/2021 11:44	0:00:30	1.52	-144.99	490.04	0.02	-143.93	490.19	-143.68	0.32
2273	1/24/2021 11:45	1/24/2021 12:01	0:15:31	-2.99	-141.82	490.54	-44.43	-97.61	499.23	-142.25	1.75
2274	1/24/2021 12:14	1/24/2021 12:14	0:00:00	-46.30	-26.91	493.70	-46.30	-26.91	493.70	-143.72	0.28
2275	1/24/2021 12:14	1/24/2021 12:15	0:00:29	-45.43	-24.60	493.13	-44.50	-22.37	492.55	-143.84	0.16
2276	1/24/2021 12:23	1/24/2021 12:23	0:00:00	-24.54	5.16	482.14	-24.54	5.16	482.14	-143.76	0.24
2277	1/24/2021 12:30	1/24/2021 12:31	0:01:11	-3.44	21.68	475.88	0.08	24.16	475.43	-142.80	1.20
2278	1/24/2021 12:32	1/24/2021 12:38	0:06:11	1.59	25.23	475.29	19.95	39.01	476.23	-141.91	2.09
2279	1/24/2021 12:39	1/24/2021 12:40	0:01:31	21.87	40.65	476.60	26.11	44.54	477.57	-142.11	1.89
2280	1/24/2021 12:47	1/24/2021 12:53	0:05:01	44.01	69.47	483.92	50.95	94.72	487.95	-140.32	3.68

Table 10 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)
2281	1/24/2021 12:53	1/24/2021 12:57	0:03:50	51.45	99.52	488.48	50.91	121.94	490.23	-140.57	3.43
2282	1/24/2021 13:13	1/24/2021 13:13	0:00:40	17.45	179.32	489.48	15.50	-179.13	489.46	-142.46	1.54
2283	1/24/2021 13:15	1/24/2021 13:16	0:01:20	11.06	-175.76	489.50	7.08	-172.86	489.66	-142.86	1.14
2284	1/24/2021 13:18	1/24/2021 13:18	0:00:29	1.08	-168.60	490.11	-0.43	-167.55	490.26	-143.68	0.32
2285	1/24/2021 13:19	1/24/2021 13:35	0:15:21	-3.43	-165.43	490.62	-44.40	-121.62	499.27	-142.29	1.71
2286	1/24/2021 13:57	1/24/2021 13:57	0:00:11	-24.59	-18.82	482.15	-24.12	-18.38	481.95	-143.51	0.49
2287	1/24/2021 14:04	1/24/2021 14:06	0:01:01	-3.00	-1.93	475.79	0.02	0.20	475.41	-142.85	1.15
2288	1/24/2021 14:06	1/24/2021 14:12	0:06:00	2.04	1.62	475.23	19.90	15.03	476.18	-142.04	1.96
2289	1/24/2021 14:13	1/24/2021 14:18	0:05:21	21.81	16.68	476.54	36.17	32.09	480.65	-141.21	2.79
2290	1/24/2021 14:40	1/24/2021 14:43	0:02:49	36.14	136.38	490.40	28.80	145.11	489.91	-142.31	1.69
2291	1/24/2021 14:44	1/24/2021 14:45	0:01:40	25.59	148.30	489.73	20.88	152.55	489.52	-142.46	1.54
2292	1/24/2021 14:47	1/24/2021 14:48	0:00:41	17.02	155.74	489.43	15.06	157.28	489.41	-142.37	1.63
2293	1/24/2021 14:49	1/24/2021 14:50	0:01:20	10.62	160.64	489.47	6.64	163.54	489.64	-142.75	1.25
2294	1/24/2021 14:52	1/24/2021 14:53	0:00:30	1.13	167.43	490.06	-0.37	168.49	490.21	-143.72	0.28
2295	1/24/2021 14:54	1/24/2021 15:12	0:18:01	-3.38	170.61	490.57	-48.72	-132.95	499.70	-141.52	2.48
2296	1/24/2021 15:15	1/24/2021 15:20	0:05:10	-51.59	-114.47	499.18	-49.29	-84.91	495.78	-141.28	2.72
2297	1/24/2021 15:21	1/24/2021 15:21	0:00:00	-48.65	-82.31	495.30	-48.65	-82.31	495.30	-143.50	0.50
2298	1/24/2021 15:21	1/24/2021 15:22	0:00:11	-47.70	-78.95	494.62	-47.45	-78.13	494.45	-143.76	0.24
2299	1/24/2021 16:12	1/24/2021 16:12	0:00:19	41.93	103.20	490.70	41.21	104.53	490.67	-142.90	1.10
2300	1/24/2021 16:12	1/24/2021 16:17	0:04:40	40.11	106.45	490.62	28.39	121.61	489.88	-142.35	1.65
2301	1/24/2021 16:18	1/24/2021 16:20	0:01:40	25.18	124.77	489.70	20.45	129.00	489.51	-142.45	1.55
2302	1/24/2021 16:21	1/24/2021 16:22	0:00:41	16.58	132.17	489.43	14.63	133.70	489.42	-142.22	1.78
2303	1/24/2021 16:23	1/24/2021 16:25	0:01:21	10.18	137.05	489.49	6.20	139.93	489.68	-142.66	1.34
2304	1/24/2021 16:27	1/24/2021 16:27	0:00:29	0.69	143.83	490.12	-0.82	144.88	490.28	-143.75	0.25
2305	1/24/2021 16:28	1/24/2021 16:32	0:03:51	-3.83	147.00	490.65	-15.24	155.39	492.59	-142.82	1.18
2306	1/24/2021 16:44	1/24/2021 16:49	0:05:00	-44.96	-168.16	499.29	-51.27	-142.37	499.35	-141.25	2.75
2307	1/24/2021 16:49	1/24/2021 16:52	0:03:09	-51.64	-137.53	499.08	-51.05	-119.02	497.30	-141.08	2.92
2308	1/24/2021 17:05	1/24/2021 17:06	0:01:31	-26.55	-68.53	482.92	-22.34	-64.62	481.13	-143.27	0.73
2309	1/24/2021 17:13	1/24/2021 17:14	0:01:10	-2.60	-49.50	475.65	0.92	-47.02	475.24	-143.21	0.79
2310	1/24/2021 17:15	1/24/2021 17:21	0:05:51	3.44	-45.24	475.06	20.76	-32.08	476.28	-141.90	2.10
2311	1/24/2021 17:21	1/24/2021 17:31	0:09:51	22.67	-30.42	476.67	46.35	3.47	485.01	-140.60	3.40
2312	1/24/2021 17:46	1/24/2021 17:46	0:00:09	41.61	79.88	490.75	41.25	80.53	490.73	-143.09	0.91
2313	1/24/2021 17:47	1/24/2021 17:48	0:01:09	39.77	83.09	490.66	37.04	87.28	490.50	-143.32	0.68
2314	1/24/2021 17:48	1/24/2021 17:51	0:02:49	35.81	88.98	490.42	28.44	97.63	489.94	-142.33	1.67
2315	1/24/2021 17:52	1/24/2021 17:54	0:01:40	25.22	100.80	489.75	20.50	105.03	489.55	-142.43	1.57
2316	1/24/2021 17:56	1/24/2021 17:56	0:00:39	16.15	108.59	489.47	14.19	110.11	489.47	-142.00	2.00
2317	1/24/2021 17:58	1/24/2021 17:59	0:01:20	9.74	113.45	489.55	5.75	116.33	489.75	-142.58	1.42
2318	1/24/2021 18:01	1/24/2021 18:01	0:00:30	0.24	120.22	490.20	-1.27	121.27	490.37	-143.79	0.21
2319	1/24/2021 18:02	1/24/2021 18:19	0:16:39	-3.27	122.69	490.61	-46.67	172.43	499.53	-142.20	1.80
2320	1/24/2021 18:28	1/24/2021 18:29	0:00:20	-49.52	-133.84	495.94	-49.12	-132.07	495.62	-142.79	1.21
2321	1/24/2021 18:29	1/24/2021 18:29	0:00:00	-48.47	-129.49	495.14	-48.47	-129.49	495.14	-143.89	0.11
2322	1/24/2021 18:30	1/24/2021 18:30	0:00:11	-47.50	-126.15	494.45	-47.24	-125.34	494.27	-143.80	0.20
2323	1/24/2021 18:30	1/24/2021 18:31	0:00:21	-46.43	-122.95	493.73	-45.85	-121.39	493.35	-143.88	0.12
2324	1/24/2021 18:31	1/24/2021 18:31	0:00:00	-44.95	-119.13	492.78	-44.95	-119.13	492.78	-143.99	0.01
2325	1/24/2021 18:32	1/24/2021 18:33	0:00:11	-43.01	-114.83	491.58	-42.66	-114.14	491.37	-143.45	0.55
2326	1/24/2021 18:39	1/24/2021 18:40	0:01:00	-26.60	-92.50	482.98	-23.80	-89.86	481.77	-142.38	1.62
2327	1/24/2021 18:41	1/24/2021 18:41	0:00:19	-22.39	-88.59	481.18	-21.43	-87.75	480.81	-142.78	1.22
2328	1/24/2021 18:47	1/24/2021 18:48	0:00:50	-1.65	-72.75	475.57	0.87	-70.98	475.30	-143.27	0.73
2329	1/24/2021 18:49	1/24/2021 18:55	0:05:50	3.39	-69.21	475.12	20.70	-56.05	476.32	-141.69	2.31
2330	1/24/2021 18:56	1/24/2021 19:09	0:12:50	23.09	-53.96	476.81	50.49	-4.21	487.55	-140.77	3.23
2331	1/24/2021 19:30	1/24/2021 19:30	0:00:50	16.20	84.62	489.42	13.75	86.52	489.42	-141.73	2.27
2332	1/24/2021 19:32	1/24/2021 19:33	0:01:10	9.29	89.84	489.52	5.80	92.36	489.69	-142.55	1.45
2333	1/24/2021 19:34	1/24/2021 19:34	0:00:00	3.30	94.14	489.87	3.30	94.14	489.87	-143.94	0.06
2334	1/24/2021 19:35	1/24/2021 19:36	0:00:20	-0.71	96.96	490.26	-1.71	97.66	490.37	-143.81	0.19
2335	1/24/2021 19:36	1/24/2021 19:50	0:13:40	-3.22	98.72	490.56	-40.82	135.55	498.62	-142.06	1.94
2336	1/24/2021 20:01	1/24/2021 20:03	0:01:50	-50.95	-166.13	497.38	-49.14	-156.10	495.82	-141.64	2.36
2337	1/24/2021 20:04	1/24/2021 20:04	0:00:20	-47.52	-150.17	494.65	-47.00	-148.55	494.30	-143.80	0.20
2338	1/24/2021 20:05	1/24/2021 20:05	0:00:11	-46.17	-146.18	493.75	-45.88	-145.41	493.56	-143.85	0.15
2339	1/24/2021 20:06	1/24/2021 20:06	0:00:00	-44.67	-142.40	492.79	-44.67	-142.40	492.79	-143.99	0.01
2340	1/24/2021 20:07	1/24/2021 20:07	0:00:10	-42.70	-138.14	491.59	-42.36	-137.46	491.38	-143.10	0.90

Table 10 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)
2341	1/24/2021 20:13	1/24/2021 20:15	0:01:51	-26.19	-116.03	482.99	-21.01	-111.32	480.84	-141.77	2.23
2342	1/24/2021 20:21	1/24/2021 20:21	0:00:00	-2.21	-97.07	475.80	-2.21	-97.07	475.80	-143.84	0.16
2343	1/24/2021 20:53	1/24/2021 20:54	0:00:21	43.74	27.75	490.68	43.08	29.16	490.66	-142.88	1.12
2344	1/24/2021 20:54	1/24/2021 20:54	0:00:09	41.33	32.53	490.59	40.96	33.18	490.57	-143.51	0.49
2345	1/24/2021 20:55	1/24/2021 20:55	0:00:00	39.47	35.71	490.49	39.47	35.71	490.49	-143.96	0.04
2346	1/24/2021 20:56	1/24/2021 20:56	0:00:00	37.52	38.72	490.37	37.52	38.72	490.37	-143.95	0.05
2347	1/24/2021 20:57	1/24/2021 21:00	0:02:49	35.49	41.55	490.23	28.09	50.14	489.73	-142.54	1.46
2348	1/24/2021 21:01	1/24/2021 21:02	0:01:01	23.45	54.58	489.47	20.61	57.08	489.35	-142.32	1.68
2349	1/24/2021 21:33	1/24/2021 21:34	0:01:09	-51.76	159.20	498.73	-51.38	166.01	498.03	-140.68	3.32
2350	1/24/2021 21:35	1/24/2021 21:37	0:02:10	-51.08	168.89	497.68	-48.96	-179.25	495.85	-141.57	2.43
2351	1/24/2021 21:38	1/24/2021 21:39	0:00:21	-47.55	-174.19	494.85	-47.03	-172.56	494.50	-143.72	0.28
2352	1/24/2021 21:39	1/24/2021 21:39	0:00:10	-46.21	-170.19	493.96	-45.92	-169.42	493.77	-143.88	0.12
2353	1/24/2021 21:40	1/24/2021 21:40	0:00:00	-44.71	-166.41	493.01	-44.71	-166.41	493.01	-143.94	0.06
2354	1/24/2021 21:41	1/24/2021 21:41	0:00:20	-42.74	-162.15	491.81	-42.05	-160.79	491.39	-142.89	1.11
2355	1/24/2021 21:47	1/24/2021 21:50	0:02:01	-26.25	-140.01	483.21	-20.59	-134.88	480.85	-142.13	1.87
2356	1/24/2021 21:50	1/24/2021 21:50	0:00:00	-19.14	-133.66	480.31	-19.14	-133.66	480.31	-143.97	0.03
2357	1/24/2021 21:56	1/24/2021 21:57	0:01:09	-1.77	-120.69	475.88	1.76	-118.21	475.50	-143.40	0.60
2358	1/24/2021 21:58	1/24/2021 22:04	0:05:51	3.77	-116.79	475.36	21.07	-103.59	476.53	-141.18	2.82
2359	1/24/2021 22:27	1/24/2021 22:28	0:01:19	45.36	0.08	490.51	42.78	5.84	490.46	-142.98	1.02
2360	1/24/2021 22:29	1/24/2021 22:29	0:00:10	41.01	9.18	490.38	40.64	9.83	490.36	-143.90	0.10
2361	1/24/2021 22:31	1/24/2021 22:31	0:00:09	35.13	18.11	490.01	34.71	18.65	489.98	-143.83	0.17
2362	1/24/2021 22:32	1/24/2021 22:34	0:02:10	33.44	20.25	489.89	27.68	26.62	489.51	-142.56	1.44
2363	1/24/2021 22:36	1/24/2021 22:37	0:00:59	22.57	31.46	489.24	19.70	33.92	489.14	-142.42	1.58
2364	1/24/2021 22:38	1/24/2021 22:39	0:00:50	15.82	37.07	489.08	13.37	38.96	489.09	-141.90	2.10
2365	1/24/2021 22:41	1/24/2021 22:42	0:01:10	8.41	42.63	489.23	4.92	45.14	489.44	-142.43	1.57
2366	1/24/2021 22:44	1/24/2021 22:44	0:00:00	-0.10	48.67	489.89	-0.10	48.67	489.89	-143.89	0.11
2367	1/24/2021 22:44	1/24/2021 22:44	0:00:11	-1.60	49.73	490.07	-2.10	50.08	490.13	-143.68	0.32
2368	1/24/2021 23:00	1/24/2021 23:06	0:05:41	-44.19	94.36	499.25	-51.40	123.44	499.51	-141.46	2.54
2369	1/24/2021 23:06	1/24/2021 23:09	0:02:19	-51.71	128.30	499.23	-51.39	141.98	498.00	-141.34	2.66
2370	1/24/2021 23:09	1/24/2021 23:11	0:02:00	-50.98	145.81	497.54	-48.98	156.73	495.85	-141.47	2.53
2371	1/24/2021 23:12	1/24/2021 23:13	0:00:20	-47.33	162.62	494.68	-46.80	164.22	494.32	-143.45	0.55
2372	1/24/2021 23:13	1/24/2021 23:13	0:00:00	-45.95	166.57	493.78	-45.95	166.57	493.78	-143.92	0.08
2373	1/24/2021 23:14	1/24/2021 23:14	0:00:00	-44.75	169.59	493.01	-44.75	169.59	493.01	-143.93	0.07
2374	1/24/2021 23:15	1/24/2021 23:15	0:00:10	-42.43	174.54	491.62	-42.09	175.21	491.41	-142.82	1.18
2375	1/24/2021 23:30	1/24/2021 23:31	0:01:10	-1.32	-144.29	475.85	2.20	-141.82	475.49	-143.43	0.57
2376	1/24/2021 23:32	1/24/2021 23:38	0:05:51	4.22	-140.39	475.36	21.49	-127.15	476.62	-141.40	2.60
2377	1/24/2021 23:39	1/24/2021 23:43	0:04:49	23.87	-125.04	477.11	36.71	-110.71	480.87	-141.34	2.66
2378	1/25/2021 0:00	1/25/2021 0:01	0:00:11	45.69	-24.69	490.49	45.39	-23.93	490.49	-143.15	0.85
2379	1/25/2021 0:01	1/25/2021 0:01	0:00:09	44.46	-21.70	490.48	44.14	-20.98	490.48	-143.31	0.69
2380	1/25/2021 0:02	1/25/2021 0:02	0:00:10	43.15	-18.85	490.45	42.82	-18.16	490.44	-142.99	1.01
2381	1/25/2021 0:06	1/25/2021 0:08	0:02:21	33.49	-3.73	489.87	27.28	3.11	489.45	-142.70	1.30
2382	1/25/2021 0:10	1/25/2021 0:10	0:00:09	22.62	7.49	489.21	22.14	7.90	489.19	-143.75	0.25
2383	1/25/2021 0:11	1/25/2021 0:11	0:00:50	20.71	9.14	489.14	18.31	11.15	489.07	-142.49	1.51
2384	1/25/2021 0:12	1/25/2021 0:13	0:00:50	15.88	13.10	489.04	13.42	15.00	489.05	-142.30	1.70
2385	1/25/2021 0:15	1/25/2021 0:16	0:01:00	7.97	19.03	489.21	4.97	21.18	489.39	-142.34	1.66
2386	1/25/2021 0:18	1/25/2021 0:18	0:00:09	-0.04	24.71	489.84	-0.54	25.06	489.90	-143.77	0.23
2387	1/25/2021 0:18	1/25/2021 0:19	0:00:20	-2.05	26.12	490.08	-3.05	26.83	490.20	-143.53	0.47
2388	1/25/2021 0:19	1/25/2021 0:28	0:08:21	-4.55	27.89	490.41	-28.69	47.70	495.56	-142.20	1.80
2389	1/25/2021 1:04	1/25/2021 1:06	0:01:11	-0.87	-167.90	475.77	2.65	-165.42	475.43	-143.40	0.60
2390	1/25/2021 1:06	1/25/2021 1:12	0:05:50	4.67	-164.00	475.31	21.92	-150.70	476.67	-141.30	2.70
2391	1/25/2021 1:13	1/25/2021 1:21	0:07:40	24.29	-148.57	477.17	43.38	-123.27	483.50	-141.32	2.68
2392	1/25/2021 1:40	1/25/2021 1:43	0:02:41	33.10	-27.19	489.82	25.95	-19.51	489.37	-142.78	1.22
2393	1/25/2021 1:44	1/25/2021 1:44	0:00:00	22.19	-16.06	489.19	22.19	-16.06	489.19	-143.09	0.91
2394	1/25/2021 1:45	1/25/2021 1:46	0:01:11	20.77	-14.82	489.14	17.39	-12.03	489.06	-142.49	1.51
2395	1/25/2021 1:47	1/25/2021 1:47	0:00:41	15.44	-10.48	489.05	13.47	-8.96	489.06	-142.01	1.99
2396	1/25/2021 1:49	1/25/2021 1:50	0:01:10	8.02	-4.93	489.22	4.52	-2.43	489.44	-142.44	1.56
2397	1/25/2021 1:52	1/25/2021 1:52	0:00:09	-0.49	1.10	489.91	-0.99	1.46	489.97	-143.45	0.55
2398	1/25/2021 1:53	1/25/2021 1:53	0:00:19	-2.50	2.52	490.15	-3.50	3.22	490.29	-143.38	0.62
2399	1/25/2021 1:54	1/25/2021 2:08	0:14:19	-5.00	4.29	490.50	-43.47	44.94	499.09	-142.29	1.71
2400	1/25/2021 2:30	1/25/2021 2:33	0:02:49	-26.40	148.08	483.19	-18.33	155.24	479.94	-141.50	2.50

Table 10 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)
2401	1/25/2021 2:39	1/25/2021 2:40	0:01:19	-0.92	168.14	475.71	3.11	170.97	475.34	-143.40	0.60
2402	1/25/2021 2:40	1/25/2021 2:46	0:05:51	4.61	172.04	475.26	21.87	-174.67	476.63	-141.32	2.68
2403	1/25/2021 2:47	1/25/2021 2:59	0:11:59	24.24	-172.54	477.13	50.08	-126.19	487.03	-140.73	3.27
2404	1/25/2021 4:04	1/25/2021 4:07	0:03:11	-26.45	124.10	483.17	-17.41	132.06	479.56	-140.59	3.41
2405	1/25/2021 4:13	1/25/2021 4:14	0:01:20	-0.47	144.53	475.58	3.55	147.37	475.23	-143.40	0.60
2406	1/25/2021 4:15	1/25/2021 4:21	0:05:50	5.06	148.44	475.15	22.30	161.78	476.61	-140.93	3.07
2407	1/25/2021 4:21	1/25/2021 4:33	0:12:00	24.66	163.93	477.12	50.23	-149.29	487.07	-140.39	3.61
2408	1/25/2021 4:57	1/25/2021 4:57	0:00:00	10.12	-54.30	489.29	10.12	-54.30	489.29	-142.75	1.25
2409	1/25/2021 4:58	1/25/2021 4:59	0:01:09	7.13	-52.13	489.44	3.63	-49.64	489.70	-142.39	1.61
2410	1/25/2021 5:00	1/25/2021 5:01	0:00:10	-0.89	-46.46	490.16	-1.39	-46.11	490.22	-143.56	0.44
2411	1/25/2021 5:01	1/25/2021 5:01	0:00:19	-2.89	-45.05	490.41	-3.89	-44.35	490.55	-143.37	0.63
2412	1/25/2021 5:02	1/25/2021 5:03	0:00:49	-5.39	-43.28	490.77	-7.89	-41.49	491.18	-143.72	0.28
2413	1/25/2021 5:03	1/25/2021 5:03	0:00:00	-9.38	-40.41	491.44	-9.38	-40.41	491.44	-143.41	0.59
2414	1/25/2021 5:04	1/25/2021 5:17	0:13:39	-10.87	-39.31	491.71	-45.89	2.80	499.75	-142.33	1.67
2415	1/25/2021 5:37	1/25/2021 5:42	0:04:20	-28.78	97.82	484.28	-16.49	108.87	479.22	-139.90	4.10
2416	1/25/2021 5:47	1/25/2021 5:53	0:06:00	-0.03	120.92	475.43	17.91	134.15	475.70	-141.88	2.12
2417	1/25/2021 5:54	1/25/2021 5:55	0:01:00	19.36	135.35	475.92	22.24	137.81	476.43	-141.03	2.97
2418	1/25/2021 5:56	1/25/2021 6:06	0:10:40	25.08	140.39	477.04	48.88	-179.57	485.96	-140.76	3.24
2419	1/25/2021 6:35	1/25/2021 6:35	0:00:00	-1.34	-70.07	490.23	-1.34	-70.07	490.23	-143.83	0.17
2420	1/25/2021 6:36	1/25/2021 6:36	0:00:20	-3.34	-68.66	490.50	-4.34	-67.95	490.64	-143.35	0.65
2421	1/25/2021 6:36	1/25/2021 6:36	0:00:09	-5.84	-66.88	490.87	-6.34	-66.53	490.95	-143.82	0.18
2422	1/25/2021 6:37	1/25/2021 6:37	0:00:11	-7.84	-65.45	491.19	-8.34	-65.09	491.28	-143.89	0.11
2423	1/25/2021 6:38	1/25/2021 6:38	0:00:00	-9.83	-64.01	491.55	-9.83	-64.01	491.55	-143.59	0.41
2424	1/25/2021 6:38	1/25/2021 6:56	0:17:50	-11.32	-62.91	491.83	-51.17	1.38	499.84	-141.57	2.43
2425	1/25/2021 7:22	1/25/2021 7:27	0:05:49	0.42	97.32	475.34	17.86	110.19	475.66	-141.85	2.15
2426	1/25/2021 7:28	1/25/2021 7:29	0:01:10	19.31	111.38	475.88	22.67	114.27	476.48	-141.42	2.58
2427	1/25/2021 7:30	1/25/2021 7:38	0:08:10	25.03	116.42	477.00	44.86	144.35	483.86	-141.34	2.66
2428	1/25/2021 7:58	1/25/2021 8:00	0:01:59	30.22	-119.58	489.66	24.74	-114.06	489.39	-142.54	1.46
2429	1/25/2021 9:20	1/25/2021 9:24	0:03:11	51.59	163.79	489.31	48.93	-178.54	490.21	-141.63	2.37
2430	1/25/2021 9:25	1/25/2021 9:26	0:01:29	47.52	-173.48	490.34	44.97	-166.45	490.41	-141.34	2.66
2431	1/25/2021 9:27	1/25/2021 9:27	0:00:50	44.02	-164.25	490.41	42.34	-160.76	490.38	-140.66	3.34
2432	1/25/2021 9:28	1/25/2021 9:28	0:00:00	40.91	-158.12	490.33	40.91	-158.12	490.33	-143.95	0.05
2433	1/25/2021 9:29	1/25/2021 9:29	0:00:00	39.04	-154.98	490.25	39.04	-154.98	490.25	-143.89	0.11
2434	1/25/2021 9:32	1/25/2021 9:34	0:02:10	30.27	-143.56	489.74	24.33	-137.60	489.45	-142.47	1.53
2435	1/25/2021 9:36	1/25/2021 9:37	0:01:10	20.06	-133.84	489.32	16.67	-131.07	489.28	-142.60	1.40
2436	1/25/2021 9:39	1/25/2021 9:39	0:00:00	12.75	-128.03	489.32	12.75	-128.03	489.32	-142.75	1.25
2437	1/25/2021 9:39	1/25/2021 9:40	0:00:21	9.78	-125.82	489.42	8.78	-125.10	489.47	-143.23	0.77
2438	1/25/2021 9:40	1/25/2021 9:42	0:01:31	7.29	-124.02	489.55	2.78	-120.82	489.91	-142.32	1.68
2439	1/25/2021 9:44	1/25/2021 9:44	0:00:11	-4.23	-115.88	490.75	-4.73	-115.52	490.83	-143.15	0.85
2440	1/25/2021 9:45	1/25/2021 9:45	0:00:00	-6.73	-114.10	491.14	-6.73	-114.10	491.14	-143.96	0.04
2441	1/25/2021 9:45	1/25/2021 9:46	0:00:11	-8.23	-113.02	491.39	-8.73	-112.66	491.48	-143.98	0.02
2442	1/25/2021 9:46	1/25/2021 9:46	0:00:00	-10.22	-111.57	491.75	-10.22	-111.57	491.75	-143.83	0.17
2443	1/25/2021 9:47	1/25/2021 9:54	0:06:50	-12.20	-110.10	492.13	-31.52	-92.77	496.74	-142.38	1.62
2444	1/25/2021 9:54	1/25/2021 9:58	0:04:10	-32.82	-91.25	497.07	-42.60	-76.44	499.34	-142.75	1.25
2445	1/25/2021 10:20	1/25/2021 10:25	0:04:50	-28.48	26.37	484.13	-14.69	38.51	478.57	-139.28	4.72
2446	1/25/2021 10:30	1/25/2021 10:32	0:01:10	1.32	50.10	475.21	4.84	52.58	474.96	-143.67	0.33
2447	1/25/2021 10:49	1/25/2021 10:52	0:02:31	49.43	111.01	486.32	51.49	125.03	488.03	-139.68	4.32
2448	1/25/2021 10:53	1/25/2021 10:58	0:04:49	51.75	129.92	488.51	48.95	157.44	490.22	-141.48	2.52
2449	1/25/2021 10:59	1/25/2021 11:01	0:02:49	47.55	162.51	490.35	42.38	175.24	490.41	-141.13	2.87
2450	1/25/2021 11:02	1/25/2021 11:02	0:00:09	40.96	177.89	490.36	40.59	178.53	490.35	-143.95	0.05
2451	1/25/2021 11:03	1/25/2021 11:03	0:00:09	39.08	-178.97	490.28	38.69	-178.36	490.26	-143.68	0.32
2452	1/25/2021 11:04	1/25/2021 11:04	0:00:00	37.11	-176.00	490.18	37.11	-176.00	490.18	-143.72	0.28
2453	1/25/2021 11:07	1/25/2021 11:09	0:01:59	29.88	-167.05	489.76	24.38	-161.58	489.49	-142.37	1.63
2454	1/25/2021 11:10	1/25/2021 11:11	0:00:21	19.63	-157.41	489.36	18.67	-156.61	489.34	-142.62	1.38
2455	1/25/2021 11:54	1/25/2021 11:59	0:04:51	-28.08	2.86	483.86	-14.25	14.92	478.37	-139.89	4.11
2456	1/25/2021 12:05	1/25/2021 12:12	0:07:29	1.26	26.13	475.16	23.46	43.21	476.57	-142.16	1.84
2457	1/25/2021 12:13	1/25/2021 12:14	0:00:50	25.81	45.39	477.10	28.11	47.67	477.69	-141.44	2.56
2458	1/25/2021 12:50	1/25/2021 12:50	0:00:00	2.39	-168.39	490.01	2.39	-168.39	490.01	-143.39	0.61
2459	1/25/2021 12:53	1/25/2021 12:53	0:00:20	-4.62	-163.45	490.87	-5.62	-162.74	491.02	-143.38	0.62
2460	1/25/2021 12:54	1/25/2021 12:54	0:00:11	-8.62	-160.59	491.52	-9.11	-160.22	491.61	-143.89	0.11

Table 10 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)
2461	1/25/2021 12:55	1/25/2021 12:55	0:00:00	-11.10	-158.77	491.97	-11.10	-158.77	491.97	-143.97	0.03
2462	1/25/2021 12:56	1/25/2021 13:02	0:06:31	-13.57	-156.91	492.46	-31.86	-140.23	496.85	-142.38	1.62
2463	1/25/2021 13:03	1/25/2021 13:05	0:01:59	-33.15	-138.70	497.18	-38.09	-132.06	498.38	-142.73	1.27
2464	1/25/2021 13:29	1/25/2021 13:31	0:02:00	-27.67	-20.65	483.66	-22.07	-15.39	481.19	-139.72	4.28
2465	1/25/2021 13:31	1/25/2021 13:34	0:02:21	-20.63	-14.15	480.62	-13.81	-8.66	478.22	-140.38	3.62
2466	1/25/2021 13:39	1/25/2021 13:39	0:00:00	1.71	2.53	475.09	1.71	2.53	475.09	-143.90	0.10
2467	1/25/2021 13:39	1/25/2021 13:40	0:00:50	3.22	3.59	474.97	5.74	5.37	474.85	-143.73	0.27
2468	1/25/2021 13:41	1/25/2021 13:46	0:05:41	7.24	6.45	474.82	23.88	19.66	476.61	-142.22	1.78
2469	1/25/2021 13:47	1/25/2021 13:49	0:02:01	25.75	21.42	477.04	31.20	27.06	478.53	-141.40	2.60
2470	1/25/2021 14:16	1/25/2021 14:17	0:01:49	28.17	146.89	489.62	23.07	151.77	489.40	-142.17	1.83
2471	1/25/2021 14:19	1/25/2021 14:20	0:01:20	19.25	155.06	489.31	15.37	158.19	489.29	-142.29	1.71
2472	1/25/2021 14:21	1/25/2021 14:21	0:00:09	12.42	160.45	489.34	11.92	160.82	489.36	-143.47	0.53
2473	1/25/2021 14:22	1/25/2021 14:23	0:00:41	10.44	161.92	489.41	8.45	163.37	489.50	-142.97	1.03
2474	1/25/2021 14:23	1/25/2021 14:25	0:01:31	6.45	164.81	489.62	1.95	168.00	490.01	-142.28	1.72
2475	1/25/2021 14:27	1/25/2021 14:27	0:00:20	-5.07	172.95	490.90	-6.07	173.66	491.05	-143.46	0.54
2476	1/25/2021 14:28	1/25/2021 14:28	0:00:11	-8.56	175.45	491.47	-9.06	175.81	491.56	-143.74	0.26
2477	1/25/2021 14:30	1/25/2021 14:37	0:06:41	-13.51	179.13	492.42	-32.25	-163.70	496.92	-142.27	1.73
2478	1/25/2021 14:37	1/25/2021 14:45	0:08:20	-33.54	-162.16	497.24	-49.80	-127.10	500.12	-141.00	3.00
2479	1/25/2021 15:45	1/25/2021 15:47	0:02:10	40.34	107.20	490.25	35.20	114.86	489.99	-143.05	0.95
2480	1/25/2021 15:50	1/25/2021 15:52	0:01:49	27.76	123.39	489.59	22.65	128.23	489.38	-142.12	1.88
2481	1/25/2021 15:53	1/25/2021 15:55	0:01:21	18.82	131.50	489.30	14.93	134.61	489.30	-142.27	1.73
2482	1/25/2021 15:55	1/25/2021 15:56	0:00:11	12.47	136.49	489.35	11.97	136.86	489.36	-143.06	0.94
2483	1/25/2021 15:56	1/25/2021 15:57	0:00:30	9.99	138.33	489.43	8.50	139.41	489.51	-142.48	1.52
2484	1/25/2021 15:58	1/25/2021 15:59	0:01:20	6.00	141.21	489.66	2.00	144.04	490.01	-142.24	1.76
2485	1/25/2021 16:01	1/25/2021 16:01	0:00:09	-5.52	149.34	490.97	-6.02	149.70	491.05	-143.62	0.38
2486	1/25/2021 16:02	1/25/2021 16:03	0:00:20	-8.51	151.49	491.47	-9.51	152.22	491.64	-143.64	0.36
2487	1/25/2021 16:03	1/25/2021 16:03	0:00:00	-11.49	153.68	492.02	-11.49	153.68	492.02	-143.87	0.13
2488	1/25/2021 16:04	1/25/2021 16:11	0:06:40	-13.46	155.17	492.41	-32.20	172.32	496.89	-142.15	1.85
2489	1/25/2021 16:11	1/25/2021 16:20	0:08:50	-33.49	173.87	497.22	-50.29	-148.39	500.03	-141.23	2.77
2490	1/25/2021 16:41	1/25/2021 16:42	0:01:20	-17.34	-59.28	479.31	-13.42	-56.21	478.01	-141.30	2.70
2491	1/25/2021 16:47	1/25/2021 16:49	0:01:30	2.11	-45.04	474.98	6.64	-41.83	474.75	-143.70	0.30
2492	1/25/2021 16:49	1/25/2021 16:55	0:05:30	8.14	-40.75	474.75	24.26	-27.84	476.66	-141.62	2.38
2493	1/25/2021 16:55	1/25/2021 17:02	0:06:50	26.13	-26.07	477.10	43.03	-3.25	482.92	-140.48	3.52
2494	1/25/2021 17:18	1/25/2021 17:18	0:00:20	42.87	78.58	490.38	42.18	79.94	490.36	-142.88	1.12
2495	1/25/2021 17:19	1/25/2021 17:21	0:02:29	40.74	82.57	490.32	34.82	91.43	490.03	-142.84	1.16
2496	1/25/2021 17:24	1/25/2021 17:26	0:01:51	27.35	99.88	489.62	22.22	104.68	489.42	-142.37	1.63
2497	1/25/2021 17:27	1/25/2021 17:29	0:01:31	18.87	107.53	489.35	14.49	111.02	489.35	-142.33	1.67
2498	1/25/2021 17:30	1/25/2021 17:30	0:00:09	12.02	112.90	489.40	11.53	113.27	489.42	-143.35	0.65
2499	1/25/2021 17:30	1/25/2021 17:31	0:00:41	10.04	114.37	489.47	8.05	115.82	489.57	-142.48	1.52
2500	1/25/2021 17:32	1/25/2021 17:33	0:01:20	5.55	117.61	489.74	1.55	120.44	490.09	-142.22	1.78
2501	1/25/2021 17:35	1/25/2021 17:36	0:00:20	-5.47	125.38	491.00	-6.47	126.10	491.16	-143.76	0.24
2502	1/25/2021 17:37	1/25/2021 17:37	0:00:21	-8.96	127.89	491.58	-9.95	128.62	491.76	-143.59	0.41
2503	1/25/2021 17:38	1/25/2021 17:38	0:00:00	-11.94	130.09	492.13	-11.94	130.09	492.13	-143.63	0.37
2504	1/25/2021 17:38	1/25/2021 17:42	0:03:41	-13.91	131.58	492.53	-24.48	140.41	494.96	-142.68	1.32
2505	1/25/2021 17:43	1/25/2021 17:45	0:02:30	-25.87	141.72	495.31	-32.59	148.86	497.00	-142.18	1.82
2506	1/25/2021 17:45	1/25/2021 17:53	0:07:40	-33.88	150.42	497.32	-49.18	-177.78	500.11	-141.14	2.86
2507	1/25/2021 18:22	1/25/2021 18:23	0:01:31	2.57	-68.64	475.00	7.09	-65.43	474.80	-143.66	0.34
2508	1/25/2021 18:24	1/25/2021 18:29	0:05:30	8.59	-64.35	474.80	24.68	-51.37	476.80	-141.42	2.58
2509	1/25/2021 18:30	1/25/2021 18:42	0:12:30	26.08	-50.04	477.13	51.06	1.06	487.52	-140.54	3.46
2510	1/25/2021 19:02	1/25/2021 19:03	0:00:40	16.49	85.53	489.29	14.53	87.06	489.30	-142.31	1.69
2511	1/25/2021 19:04	1/25/2021 19:05	0:01:19	11.58	89.30	489.37	7.60	92.21	489.55	-142.34	1.66
2512	1/25/2021 19:06	1/25/2021 19:07	0:01:11	5.10	94.00	489.73	1.60	96.48	490.05	-142.22	1.78
2513	1/25/2021 19:10	1/25/2021 19:10	0:00:00	-6.92	102.49	491.20	-6.92	102.49	491.20	-143.81	0.19
2514	1/25/2021 19:11	1/25/2021 19:11	0:00:20	-9.41	104.29	491.63	-10.40	105.02	491.81	-143.57	0.43
2515	1/25/2021 19:12	1/25/2021 19:12	0:00:11	-11.89	106.13	492.10	-12.38	106.50	492.19	-143.53	0.47
2516	1/25/2021 19:13	1/25/2021 19:16	0:03:50	-13.86	107.62	492.50	-24.90	116.87	495.07	-142.63	1.37
2517	1/25/2021 19:17	1/25/2021 19:19	0:02:21	-26.29	118.20	495.42	-32.55	124.88	497.02	-142.10	1.90
2518	1/25/2021 19:20	1/25/2021 19:25	0:05:19	-33.83	126.44	497.35	-45.61	146.76	499.90	-142.74	1.26
2519	1/25/2021 19:45	1/25/2021 19:47	0:01:29	-28.76	-117.48	484.32	-24.62	-113.40	482.42	-141.77	2.23
2520	1/25/2021 19:47	1/25/2021 19:47	0:00:00	-23.21	-112.11	481.81	-23.21	-112.11	481.81	-142.54	1.46

Table 10 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)
2521	1/25/2021 19:48	1/25/2021 19:48	0:00:00	-21.78	-110.85	481.22	-21.78	-110.85	481.22	-142.91	1.09
2522	1/25/2021 19:49	1/25/2021 19:49	0:00:20	-19.38	-108.80	480.28	-18.42	-108.00	479.92	-143.06	0.94
2523	1/25/2021 19:49	1/25/2021 19:50	0:00:39	-16.96	-106.82	479.39	-15.00	-105.28	478.73	-141.74	2.26
2524	1/25/2021 19:50	1/25/2021 19:51	0:00:20	-13.52	-104.14	478.27	-12.53	-103.39	477.97	-142.76	1.24
2525	1/25/2021 19:52	1/25/2021 19:52	0:00:00	-10.54	-101.91	477.42	-10.54	-101.91	477.42	-143.96	0.04
2526	1/25/2021 19:56	1/25/2021 19:57	0:00:41	2.51	-92.61	475.14	4.52	-91.19	475.01	-143.62	0.38
2527	1/25/2021 21:07	1/25/2021 21:10	0:03:09	-51.50	165.60	498.61	-48.66	-176.91	496.00	-142.18	1.82
2528	1/25/2021 21:11	1/25/2021 21:12	0:00:30	-46.66	-170.32	494.60	-45.81	-167.98	494.04	-143.02	0.98
2529	1/25/2021 21:13	1/25/2021 21:13	0:00:00	-44.90	-165.72	493.46	-44.90	-165.72	493.46	-143.77	0.23
2530	1/25/2021 21:19	1/25/2021 21:20	0:00:50	-28.36	-140.98	484.33	-26.07	-138.70	483.27	-141.93	2.07
2531	1/25/2021 21:21	1/25/2021 21:22	0:00:41	-24.67	-137.37	482.64	-22.79	-135.66	481.83	-141.49	2.51
2532	1/25/2021 21:22	1/25/2021 21:22	0:00:00	-21.36	-134.40	481.25	-21.36	-134.40	481.25	-143.74	0.26
2533	1/25/2021 21:23	1/25/2021 21:23	0:00:09	-18.96	-132.37	480.31	-18.47	-131.97	480.13	-143.23	0.77
2534	1/25/2021 21:24	1/25/2021 21:24	0:00:29	-16.52	-130.40	479.43	-15.05	-129.25	478.93	-141.13	2.87
2535	1/25/2021 21:25	1/25/2021 21:25	0:00:10	-12.59	-127.36	478.16	-12.09	-126.99	478.02	-142.64	1.36
2536	1/25/2021 21:26	1/25/2021 21:26	0:00:09	-10.60	-125.88	477.60	-10.10	-125.51	477.47	-143.50	0.50
2537	1/25/2021 21:30	1/25/2021 21:34	0:04:20	2.96	-116.22	475.24	15.92	-106.68	475.46	-142.63	1.37
2538	1/25/2021 22:00	1/25/2021 22:01	0:01:20	44.62	3.01	490.07	41.94	8.61	490.02	-142.22	1.78
2539	1/25/2021 22:01	1/25/2021 22:05	0:03:30	40.86	10.58	489.98	32.40	22.63	489.51	-142.24	1.76
2540	1/25/2021 22:07	1/25/2021 22:09	0:01:40	26.12	29.31	489.17	21.42	33.60	489.00	-142.51	1.49
2541	1/25/2021 22:10	1/25/2021 22:12	0:01:31	18.54	36.03	488.95	14.15	39.51	488.97	-142.29	1.71
2542	1/25/2021 22:13	1/25/2021 22:14	0:01:19	11.19	41.74	489.05	7.21	44.64	489.25	-142.37	1.63
2543	1/25/2021 22:15	1/25/2021 22:16	0:01:01	4.21	46.78	489.48	1.20	48.90	489.78	-142.23	1.77
2544	1/25/2021 22:37	1/25/2021 22:39	0:01:59	-50.53	117.38	500.20	-51.69	128.85	499.69	-141.70	2.30
2545	1/25/2021 22:40	1/25/2021 22:44	0:04:29	-51.79	134.73	499.26	-48.45	159.93	495.84	-142.02	1.98
2546	1/25/2021 22:46	1/25/2021 22:46	0:00:30	-46.69	165.68	494.61	-45.84	168.02	494.05	-142.88	1.12
2547	1/25/2021 22:47	1/25/2021 22:47	0:00:11	-44.93	170.28	493.47	-44.62	171.01	493.27	-143.92	0.08
2548	1/25/2021 22:54	1/25/2021 22:55	0:00:41	-27.96	-164.49	484.16	-26.12	-162.67	483.31	-141.71	2.29
2549	1/25/2021 22:55	1/25/2021 22:55	0:00:10	-24.72	-161.34	482.69	-24.25	-160.91	482.48	-142.30	1.70
2550	1/25/2021 22:56	1/25/2021 22:56	0:00:00	-22.84	-159.63	481.88	-22.84	-159.63	481.88	-142.65	1.35
2551	1/25/2021 23:33	1/25/2021 23:35	0:01:51	45.57	-23.23	490.05	41.98	-15.38	489.99	-142.29	1.71
2552	1/25/2021 23:36	1/25/2021 23:39	0:03:40	40.90	-13.41	489.95	32.01	-0.83	489.46	-142.26	1.74
2553	1/25/2021 23:40	1/25/2021 23:40	0:00:00	30.69	0.66	489.38	30.69	0.66	489.38	-143.89	0.11
2554	1/25/2021 23:42	1/25/2021 23:43	0:01:50	26.17	5.34	489.14	20.99	10.05	488.95	-142.48	1.52
2555	1/25/2021 23:44	1/25/2021 23:44	0:00:00	19.55	11.26	488.92	19.55	11.26	488.92	-143.73	0.27
2556	1/25/2021 23:44	1/25/2021 23:46	0:01:20	18.11	12.46	488.90	14.20	15.54	488.92	-142.29	1.71
2557	1/25/2021 23:47	1/25/2021 23:48	0:01:20	10.74	18.15	489.02	6.76	21.04	489.23	-142.43	1.57
2558	1/25/2021 23:49	1/25/2021 23:49	0:00:00	5.26	22.11	489.34	5.26	22.11	489.34	-143.96	0.04
2559	1/25/2021 23:49	1/25/2021 23:50	0:00:59	3.76	23.18	489.47	0.75	25.30	489.78	-142.25	1.75
2560	1/25/2021 23:53	1/25/2021 23:53	0:00:00	-7.76	31.32	491.02	-7.76	31.32	491.02	-143.67	0.33
2561	1/25/2021 23:54	1/26/2021 0:00	0:06:09	-10.24	33.13	491.47	-27.98	48.10	495.67	-142.36	1.64
2562	1/26/2021 0:07	1/26/2021 0:13	0:06:09	-44.60	72.52	499.70	-51.68	104.83	499.67	-140.91	3.09
2563	1/26/2021 0:14	1/26/2021 0:19	0:04:29	-51.79	110.71	499.23	-48.48	135.92	495.82	-141.68	2.32
2564	1/26/2021 0:43	1/26/2021 0:52	0:09:20	16.31	-154.22	475.49	41.07	-126.60	482.03	-140.75	3.25
2565	1/26/2021 1:10	1/26/2021 1:14	0:04:01	40.20	-36.11	489.89	30.30	-22.82	489.34	-142.21	1.79
2566	1/26/2021 1:16	1/26/2021 1:17	0:01:10	25.75	-18.18	489.11	22.47	-15.16	488.99	-142.47	1.53
2567	1/26/2021 2:03	1/26/2021 2:03	0:00:30	-27.13	148.49	483.68	-25.75	149.84	483.05	-142.58	1.42
2568	1/26/2021 2:04	1/26/2021 2:04	0:00:39	-23.88	151.59	482.23	-21.98	153.29	481.43	-142.31	1.69
2569	1/26/2021 2:06	1/26/2021 2:07	0:00:39	-16.18	158.10	479.25	-14.22	159.63	478.60	-140.79	3.21
2570	1/26/2021 2:08	1/26/2021 2:09	0:00:31	-10.25	162.61	477.45	-8.76	163.70	477.07	-142.14	1.86
2571	1/26/2021 2:10	1/26/2021 2:10	0:00:00	-5.75	165.87	476.40	-5.75	165.87	476.40	-143.64	0.36
2572	1/26/2021 2:13	1/26/2021 2:32	0:18:40	4.31	172.97	475.10	49.98	-125.58	486.44	-140.44	3.56
2573	1/26/2021 3:37	1/26/2021 3:37	0:00:09	-26.72	124.98	483.45	-26.26	125.43	483.24	-142.88	1.12
2574	1/26/2021 3:38	1/26/2021 3:39	0:00:11	-22.51	128.90	481.60	-22.03	129.32	481.40	-143.14	0.86
2575	1/26/2021 3:41	1/26/2021 3:41	0:00:50	-16.23	134.14	479.21	-13.78	136.05	478.41	-141.34	2.66
2576	1/26/2021 3:43	1/26/2021 3:43	0:00:30	-9.81	139.02	477.27	-8.31	140.11	476.90	-141.26	2.74
2577	1/26/2021 3:44	1/26/2021 3:44	0:00:09	-5.80	141.91	476.35	-5.30	142.26	476.24	-142.59	1.41
2578	1/26/2021 3:47	1/26/2021 4:07	0:19:10	4.77	149.37	474.99	50.60	-145.90	486.83	-140.58	3.42
2579	1/26/2021 4:30	1/26/2021 4:31	0:01:10	9.90	-53.00	489.22	6.41	-50.48	489.44	-142.43	1.57
2580	1/26/2021 4:32	1/26/2021 4:33	0:01:31	3.91	-48.70	489.65	-0.60	-45.52	490.15	-142.30	1.70

Table 10 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)
2581	1/26/2021 4:36	1/26/2021 4:36	0:00:10	-8.11	-40.19	491.32	-8.60	-39.83	491.41	-143.25	0.75
2582	1/26/2021 4:37	1/26/2021 4:45	0:08:09	-11.09	-38.01	491.88	-34.00	-16.90	497.52	-142.02	1.98
2583	1/26/2021 4:45	1/26/2021 4:46	0:00:41	-35.25	-15.29	497.85	-36.89	-13.05	498.26	-142.68	1.32
2584	1/26/2021 5:11	1/26/2021 5:11	0:00:09	-26.77	101.00	483.49	-26.31	101.45	483.28	-143.16	0.84
2585	1/26/2021 5:13	1/26/2021 5:13	0:00:00	-22.08	105.35	481.42	-22.08	105.35	481.42	-143.55	0.45
2586	1/26/2021 5:14	1/26/2021 5:14	0:00:00	-19.69	107.40	480.45	-19.69	107.40	480.45	-143.69	0.31
2587	1/26/2021 5:15	1/26/2021 5:16	0:00:50	-15.80	110.56	479.03	-13.34	112.46	478.22	-142.60	1.40
2588	1/26/2021 5:17	1/26/2021 5:17	0:00:39	-9.86	115.05	477.23	-7.86	116.51	476.73	-141.04	2.96
2589	1/26/2021 5:18	1/26/2021 5:18	0:00:10	-5.35	118.30	476.18	-4.85	118.66	476.08	-142.26	1.74
2590	1/26/2021 5:22	1/26/2021 5:40	0:18:20	5.21	125.76	474.86	49.95	-173.61	486.13	-140.83	3.17
2591	1/26/2021 6:07	1/26/2021 6:08	0:00:39	0.45	-70.18	490.04	-1.56	-68.77	490.30	-143.01	0.99
2592	1/26/2021 6:10	1/26/2021 6:10	0:00:20	-8.06	-64.15	491.33	-9.05	-63.43	491.52	-142.73	1.27
2593	1/26/2021 6:11	1/26/2021 6:19	0:08:01	-11.53	-61.60	492.00	-33.95	-40.88	497.55	-141.97	2.03
2594	1/26/2021 6:19	1/26/2021 6:28	0:08:01	-35.21	-39.26	497.87	-50.14	-4.55	500.47	-140.99	3.01
2595	1/26/2021 6:49	1/26/2021 6:49	0:00:09	-15.35	86.98	478.86	-14.86	87.36	478.69	-143.13	0.87
2596	1/26/2021 6:50	1/26/2021 6:50	0:00:20	-12.89	88.87	478.06	-11.90	89.62	477.77	-142.97	1.03
2597	1/26/2021 6:51	1/26/2021 6:52	0:00:30	-9.41	91.46	477.08	-7.91	92.55	476.71	-140.39	3.61
2598	1/26/2021 6:53	1/26/2021 6:53	0:00:20	-5.40	94.34	476.16	-4.40	95.06	475.96	-141.43	2.57
2599	1/26/2021 6:56	1/26/2021 7:12	0:16:10	5.67	102.16	474.80	47.28	152.04	484.54	-140.63	3.37
2600	1/26/2021 7:28	1/26/2021 7:32	0:03:29	37.25	-127.20	489.70	28.22	-116.32	489.27	-142.24	1.76
2601	1/26/2021 7:33	1/26/2021 7:34	0:00:21	23.60	-111.87	489.11	22.65	-111.02	489.08	-142.63	1.37
2602	1/26/2021 7:34	1/26/2021 7:35	0:00:31	20.75	-109.36	489.05	19.31	-108.15	489.04	-142.50	1.50
2603	1/26/2021 7:36	1/26/2021 7:37	0:01:09	15.42	-105.02	489.06	11.98	-102.39	489.16	-142.63	1.37
2604	1/26/2021 7:38	1/26/2021 7:39	0:01:10	9.50	-100.55	489.28	6.01	-98.03	489.53	-142.37	1.63
2605	1/26/2021 7:40	1/26/2021 7:42	0:01:40	3.00	-95.90	489.81	-2.01	-92.38	490.42	-142.28	1.72
2606	1/26/2021 7:44	1/26/2021 7:44	0:00:30	-8.01	-88.11	491.40	-9.50	-87.02	491.68	-142.88	1.12
2607	1/26/2021 7:45	1/26/2021 7:50	0:04:29	-11.49	-85.56	492.08	-24.52	-74.87	495.17	-142.75	1.25
2608	1/26/2021 8:54	1/26/2021 8:57	0:03:00	51.15	169.94	489.42	47.95	-173.85	490.15	-141.86	2.14
2609	1/26/2021 8:58	1/26/2021 9:06	0:08:09	46.65	-169.78	490.24	27.89	-140.00	489.72	-141.51	2.49
2610	1/26/2021 9:08	1/26/2021 9:08	0:00:21	23.26	-135.57	489.57	22.31	-134.73	489.55	-142.72	1.28
2611	1/26/2021 9:09	1/26/2021 9:09	0:00:29	20.88	-133.49	489.53	19.44	-132.27	489.52	-142.47	1.53
2612	1/26/2021 9:11	1/26/2021 9:12	0:01:20	15.56	-129.14	489.54	11.62	-126.13	489.66	-142.66	1.34
2613	1/26/2021 9:13	1/26/2021 9:14	0:01:10	9.14	-124.31	489.79	5.65	-121.79	490.04	-142.34	1.66
2614	1/26/2021 9:15	1/26/2021 9:17	0:01:39	2.65	-119.67	490.33	-2.37	-116.14	490.96	-142.32	1.68
2615	1/26/2021 9:20	1/26/2021 9:32	0:12:10	-11.84	-109.31	492.63	-43.70	-73.12	500.34	-141.95	2.05
2616	1/26/2021 9:35	1/26/2021 9:39	0:04:19	-48.25	-60.73	500.94	-51.76	-36.66	500.17	-141.12	2.88
2617	1/26/2021 9:40	1/26/2021 9:41	0:01:10	-51.75	-30.77	499.66	-51.35	-23.96	498.91	-142.01	1.99
2618	1/26/2021 9:42	1/26/2021 9:45	0:02:51	-51.04	-21.10	498.54	-47.96	-5.87	495.92	-142.09	1.91
2619	1/26/2021 9:45	1/26/2021 9:46	0:00:41	-46.38	-1.02	494.81	-45.21	2.04	494.03	-142.60	1.40
2620	1/26/2021 9:53	1/26/2021 9:54	0:00:50	-28.37	27.53	484.48	-26.08	29.81	483.39	-141.89	2.11
2621	1/26/2021 9:59	1/26/2021 9:59	0:00:10	-11.60	41.90	477.85	-11.11	42.27	477.70	-141.84	2.16
2622	1/26/2021 10:00	1/26/2021 10:01	0:00:20	-8.61	44.10	477.04	-7.61	44.82	476.79	-139.56	4.44
2623	1/26/2021 10:05	1/26/2021 10:05	0:00:00	6.47	54.79	474.90	6.47	54.79	474.90	-143.94	0.06
2624	1/26/2021 10:06	1/26/2021 10:23	0:17:11	8.47	56.24	474.87	49.85	114.07	486.32	-140.76	3.24
2625	1/26/2021 10:26	1/26/2021 10:26	0:00:20	51.72	130.23	488.18	51.78	132.20	488.36	-143.10	0.90
2626	1/26/2021 10:27	1/26/2021 10:32	0:04:49	51.78	136.14	488.71	47.74	162.94	490.18	-141.67	2.33
2627	1/26/2021 10:32	1/26/2021 10:34	0:01:29	46.69	166.18	490.26	43.98	172.97	490.33	-141.77	2.23
2628	1/26/2021 10:34	1/26/2021 10:41	0:06:20	42.98	175.09	490.33	27.50	-163.53	489.75	-141.19	2.81
2629	1/26/2021 10:42	1/26/2021 10:43	0:00:11	22.85	-159.14	489.61	22.38	-158.72	489.60	-142.71	1.29
2630	1/26/2021 10:43	1/26/2021 10:44	0:00:30	20.47	-157.06	489.57	19.03	-155.86	489.56	-142.48	1.52
2631	1/26/2021 10:45	1/26/2021 10:46	0:01:09	15.14	-152.74	489.59	11.69	-150.11	489.70	-142.67	1.33
2632	1/26/2021 10:47	1/26/2021 10:48	0:01:09	8.72	-147.92	489.86	5.22	-145.41	490.12	-142.30	1.70
2633	1/26/2021 10:49	1/26/2021 10:49	0:00:09	2.22	-143.29	490.42	1.72	-142.94	490.47	-142.71	1.29
2634	1/26/2021 10:53	1/26/2021 10:53	0:00:20	-8.79	-135.48	492.05	-9.78	-134.76	492.24	-142.74	1.26
2635	1/26/2021 10:55	1/26/2021 11:20	0:25:39	-14.23	-131.43	493.15	-45.00	-21.36	487.76	-141.85	2.15
2636	1/26/2021 11:21	1/26/2021 11:21	0:00:00	-43.73	-18.46	485.78	-43.73	-18.46	485.78	-143.89	0.11
2637	1/26/2021 11:28	1/26/2021 11:29	0:01:20	-28.05	3.92	460.59	-24.34	7.52	454.51	-139.99	4.01
2638	1/26/2021 11:29	1/26/2021 11:30	0:00:50	-22.92	8.81	452.19	-20.53	10.90	448.28	-143.51	0.49
2639	1/26/2021 11:31	1/26/2021 11:31	0:00:00	-19.07	12.12	445.92	-19.07	12.12	445.92	-142.69	1.31
2640	1/26/2021 11:32	1/26/2021 11:32	0:00:00	-16.63	14.11	441.96	-16.63	14.11	441.96	-143.62	0.38

Table 10 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)
2641	1/26/2021 11:34	1/26/2021 11:34	0:00:20	-11.16	18.31	433.26	-10.16	19.05	431.69	-142.02	1.98
2642	1/26/2021 11:34	1/26/2021 11:35	0:00:19	-8.65	20.15	429.35	-7.64	20.89	427.79	-137.20	6.80
2643	1/26/2021 11:35	1/26/2021 11:36	0:00:50	-5.61	22.34	424.71	-3.07	24.14	420.91	-140.64	3.36
2644	1/26/2021 11:37	1/26/2021 11:37	0:00:30	-1.54	25.22	418.67	-0.01	26.30	416.45	-143.40	0.60
2645	1/26/2021 11:38	1/26/2021 11:42	0:04:01	3.56	28.82	411.42	15.73	37.80	395.89	-141.26	2.74
2646	1/26/2021 11:45	1/26/2021 12:19	0:33:30	24.09	44.87	386.86	13.41	-175.05	363.34	-138.75	5.25
2647	1/26/2021 12:22	1/26/2021 12:26	0:04:10	4.71	-168.68	362.94	-8.16	-159.54	363.55	-139.79	4.21
2648	1/26/2021 12:28	1/26/2021 12:58	0:29:31	-16.79	-153.01	364.73	-32.28	-24.04	361.59	-138.69	5.31
2649	1/26/2021 12:59	1/26/2021 13:03	0:03:59	-30.01	-21.49	360.73	-18.47	-10.71	357.07	-138.95	5.05
2650	1/26/2021 13:04	1/26/2021 13:04	0:00:09	-16.47	-9.09	356.57	-15.96	-8.69	356.45	-141.87	2.13
2651	1/26/2021 13:05	1/26/2021 13:09	0:03:59	-11.40	-5.19	355.52	0.97	3.68	354.28	-135.62	8.38
2652	1/26/2021 13:10	1/26/2021 13:11	0:01:01	2.52	4.77	354.27	5.62	6.98	354.33	-142.09	1.91
2653	1/26/2021 13:13	1/26/2021 13:30	0:16:51	14.32	13.40	355.16	51.47	78.68	367.77	-138.08	5.92
2654	1/26/2021 13:33	1/26/2021 14:00	0:26:59	51.46	95.80	368.60	-16.88	-176.23	364.70	-138.56	5.44
2655	1/26/2021 14:03	1/26/2021 14:09	0:06:29	-25.21	-169.02	366.32	-41.97	-147.36	370.20	-139.05	4.95
2656	1/26/2021 14:12	1/26/2021 14:29	0:16:10	-47.37	-134.41	371.27	-35.26	-51.05	362.72	-138.82	5.18
2657	1/26/2021 14:29	1/26/2021 14:30	0:00:41	-33.97	-49.39	362.19	-32.20	-47.25	361.50	-142.36	1.64
2658	1/26/2021 14:31	1/26/2021 14:33	0:02:10	-29.93	-44.69	360.64	-23.79	-38.60	358.54	-139.40	4.60
2659	1/26/2021 14:33	1/26/2021 14:34	0:01:19	-22.33	-37.29	358.09	-18.38	-33.93	356.98	-140.03	3.97
2660	1/26/2021 14:35	1/26/2021 14:35	0:00:30	-16.88	-32.71	356.61	-15.37	-31.52	356.25	-141.36	2.64
2661	1/26/2021 14:36	1/26/2021 14:36	0:00:00	-12.84	-29.57	355.72	-12.84	-29.57	355.72	-143.93	0.07
2662	1/26/2021 14:37	1/26/2021 14:37	0:00:10	-11.31	-28.42	355.44	-10.80	-28.04	355.35	-143.64	0.36
2663	1/26/2021 14:37	1/26/2021 14:38	0:00:50	-9.26	-26.91	355.10	-6.69	-25.05	354.76	-136.09	7.91
2664	1/26/2021 14:39	1/26/2021 14:39	0:00:00	-5.14	-23.94	354.59	-5.14	-23.94	354.59	-142.39	1.61
2665	1/26/2021 14:42	1/26/2021 15:12	0:30:19	3.64	-17.72	354.22	40.81	108.89	366.00	-138.07	5.93
2666	1/26/2021 15:15	1/26/2021 15:46	0:31:00	33.89	119.07	361.65	-50.35	-145.20	213.85	-134.21	9.79
2667	1/26/2021 15:49	1/26/2021 15:56	0:07:19	-51.81	-127.62	202.56	-42.85	-86.37	184.11	-133.68	10.32
2668	1/26/2021 15:59	1/26/2021 16:15	0:16:50	-36.34	-75.55	182.33	15.68	-31.71	242.97	-132.14	11.86
2669	1/26/2021 16:41	1/26/2021 16:41	0:00:21	42.45	83.02	364.72	41.73	84.39	364.63	-138.40	5.60
2670	1/26/2021 16:42	1/26/2021 17:15	0:33:10	40.62	86.39	364.38	-49.71	-171.47	216.46	-134.95	9.05
2671	1/26/2021 17:31	1/26/2021 18:00	0:29:20	-30.60	-91.28	182.85	50.29	0.35	337.28	-132.93	11.07
2672	1/26/2021 18:19	1/26/2021 18:43	0:23:39	19.86	87.51	346.29	-47.18	156.13	224.60	-136.06	7.94

Max. Exceedance: 11.86 dB

Table 11 Departure GN 6 Mbps (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	1/6/2021 15:10	1/6/2021 15:13	0:02:50	9.68	-99.89	418.51	1.04	-93.71	419.06	-142.07	1.93
2	1/6/2021 15:14	1/6/2021 15:15	0:01:00	-3.55	-90.48	419.74	-6.60	-88.31	420.33	-143.53	0.47
3	1/6/2021 15:17	1/6/2021 15:18	0:00:30	-12.65	-83.86	421.82	-14.15	-82.72	422.26	-143.86	0.14
4	1/6/2021 15:37	1/6/2021 15:37	0:00:00	-51.71	-4.44	439.35	-51.71	-4.44	439.35	-143.99	0.01
5	1/6/2021 15:38	1/6/2021 15:38	0:00:00	-51.54	-1.48	439.39	-51.54	-1.48	439.39	-143.90	0.10
6	1/6/2021 15:38	1/6/2021 15:38	0:00:10	-51.20	2.43	439.39	-51.09	3.40	439.38	-143.57	0.43
7	1/6/2021 15:39	1/6/2021 15:39	0:00:20	-50.43	8.15	439.28	-50.10	10.01	439.21	-143.43	0.57
8	1/6/2021 15:41	1/6/2021 15:41	0:00:31	-48.49	17.16	438.83	-47.77	19.71	438.63	-143.07	0.93
9	1/6/2021 15:43	1/6/2021 15:43	0:00:11	-44.94	27.65	437.78	-44.62	28.39	437.68	-142.80	1.20
10	1/6/2021 15:45	1/6/2021 15:45	0:00:21	-40.82	36.06	436.42	-40.07	37.35	436.16	-143.61	0.39
11	1/6/2021 15:48	1/6/2021 15:48	0:00:20	-34.42	45.58	434.20	-33.56	46.66	433.90	-143.68	0.32
12	1/6/2021 15:51	1/6/2021 15:53	0:02:00	-23.99	56.74	430.68	-18.19	61.74	428.92	-142.57	1.43
13	1/6/2021 15:54	1/6/2021 15:55	0:00:41	-16.71	62.94	428.51	-14.73	64.49	427.98	-142.71	1.29
14	1/6/2021 15:56	1/6/2021 15:56	0:00:00	-10.73	67.52	426.99	-10.73	67.52	426.99	-143.74	0.26
15	1/6/2021 15:57	1/6/2021 15:59	0:01:40	-7.19	70.10	426.24	-2.12	73.71	425.35	-142.56	1.44
16	1/6/2021 16:01	1/6/2021 16:02	0:00:39	4.53	78.40	424.13	6.56	79.85	424.04	-143.31	0.69
17	1/6/2021 16:04	1/6/2021 16:04	0:00:30	12.61	84.29	424.01	14.11	85.43	424.06	-141.82	2.18
18	1/6/2021 16:05	1/6/2021 16:06	0:00:21	17.58	88.16	424.24	18.57	88.96	424.31	-143.84	0.16
19	1/6/2021 16:08	1/6/2021 16:08	0:00:10	24.36	94.01	424.88	24.84	94.45	424.94	-143.81	0.19
20	1/6/2021 16:09	1/6/2021 16:10	0:00:30	28.57	98.12	425.44	29.94	99.57	425.64	-143.63	0.37
21	1/6/2021 16:13	1/6/2021 16:14	0:00:20	39.25	111.71	427.21	40.02	112.97	427.35	-143.83	0.17
22	1/6/2021 16:24	1/6/2021 16:26	0:01:40	51.46	167.80	428.56	50.25	177.40	427.99	-142.87	1.13
23	1/6/2021 16:28	1/6/2021 16:28	0:00:00	47.47	-171.12	426.95	47.47	-171.12	426.95	-143.97	0.03
24	1/6/2021 16:30	1/6/2021 16:30	0:00:11	44.56	-163.26	425.98	44.23	-162.52	425.88	-143.31	0.69
25	1/6/2021 16:31	1/6/2021 16:31	0:00:19	41.83	-157.58	425.12	41.10	-156.24	424.90	-143.91	0.09
26	1/6/2021 16:33	1/6/2021 16:33	0:00:11	37.21	-150.01	423.77	36.80	-149.43	423.66	-143.94	0.06
27	1/6/2021 16:38	1/6/2021 16:41	0:03:30	23.81	-134.90	420.70	13.52	-126.37	419.45	-141.41	2.59
28	1/6/2021 16:43	1/6/2021 16:44	0:01:21	9.49	-123.37	419.29	5.44	-120.44	419.31	-141.65	2.35
29	1/6/2021 16:45	1/6/2021 16:46	0:00:59	3.91	-119.36	419.37	0.85	-117.20	419.58	-142.95	1.05
30	1/6/2021 16:47	1/6/2021 16:48	0:01:09	-3.73	-113.97	420.11	-7.29	-111.43	420.69	-143.56	0.44
31	1/6/2021 16:50	1/6/2021 16:51	0:00:11	-13.84	-106.58	422.13	-14.33	-106.20	422.26	-143.60	0.40
32	1/6/2021 17:10	1/6/2021 17:11	0:00:31	-51.69	-27.66	437.69	-51.52	-24.70	437.71	-143.89	0.11
33	1/6/2021 17:11	1/6/2021 17:11	0:00:20	-51.26	-21.77	437.70	-51.05	-19.83	437.67	-143.48	0.52
34	1/6/2021 17:12	1/6/2021 17:12	0:00:30	-50.52	-16.03	437.58	-50.03	-13.23	437.47	-143.38	0.62
35	1/6/2021 17:14	1/6/2021 17:14	0:00:31	-48.40	-6.11	437.06	-47.67	-3.57	436.86	-143.06	0.94
36	1/6/2021 17:16	1/6/2021 17:16	0:00:10	-44.81	4.34	436.01	-44.49	5.09	435.91	-142.93	1.07
37	1/6/2021 17:18	1/6/2021 17:18	0:00:20	-40.67	12.71	434.68	-39.91	14.00	434.43	-143.53	0.47
38	1/6/2021 17:21	1/6/2021 17:21	0:00:19	-34.23	22.20	432.55	-33.37	23.27	432.27	-143.86	0.14
39	1/6/2021 17:23	1/6/2021 17:23	0:00:00	-29.37	27.82	430.97	-29.37	27.82	430.97	-143.98	0.02
40	1/6/2021 17:25	1/6/2021 17:26	0:01:49	-23.30	33.75	429.12	-17.97	38.31	427.66	-142.45	1.55
41	1/6/2021 17:27	1/6/2021 17:28	0:00:29	-16.00	39.89	427.16	-14.51	41.05	426.81	-143.14	0.86
42	1/6/2021 17:30	1/6/2021 17:32	0:01:40	-6.97	46.65	425.32	-1.89	50.25	424.61	-142.82	1.18
43	1/6/2021 17:34	1/6/2021 17:35	0:00:50	4.73	54.92	424.07	7.26	56.73	423.97	-143.44	0.56
44	1/6/2021 17:37	1/6/2021 17:37	0:00:41	12.80	60.82	423.98	14.80	62.34	424.05	-142.01	1.99
45	1/6/2021 17:38	1/6/2021 17:39	0:00:39	17.28	64.30	424.19	19.24	65.91	424.34	-143.95	0.05
46	1/6/2021 17:41	1/6/2021 17:41	0:00:19	24.55	70.56	424.88	25.49	71.45	425.00	-143.75	0.25
47	1/6/2021 17:42	1/6/2021 17:43	0:00:19	29.20	75.17	425.51	30.11	76.14	425.65	-143.68	0.32
48	1/6/2021 17:47	1/6/2021 17:47	0:00:21	40.55	90.25	427.43	41.29	91.56	427.56	-143.46	0.54
49	1/6/2021 17:48	1/6/2021 17:48	0:00:00	42.37	93.59	427.76	42.37	93.59	427.76	-143.25	0.75
50	1/6/2021 18:02	1/6/2021 18:02	0:00:00	45.67	170.40	426.75	45.67	170.40	426.75	-143.91	0.09
51	1/6/2021 18:03	1/6/2021 18:03	0:00:00	42.74	177.04	426.35	42.74	177.04	426.35	-143.85	0.15
52	1/6/2021 18:04	1/6/2021 18:04	0:00:19	41.67	179.10	426.27	40.94	-179.57	426.22	-143.94	0.06
53	1/6/2021 18:06	1/6/2021 18:06	0:00:00	37.03	-173.36	426.17	37.03	-173.36	426.17	-143.99	0.01
54	1/6/2021 18:11	1/6/2021 18:14	0:03:19	23.11	-157.88	428.30	13.29	-149.82	431.87	-141.65	2.35
55	1/6/2021 18:16	1/6/2021 18:17	0:01:01	8.26	-146.09	434.35	5.23	-143.91	436.06	-141.90	2.10
56	1/6/2021 18:18	1/6/2021 18:19	0:00:59	3.71	-142.83	436.98	0.66	-140.68	438.93	-143.30	0.70
57	1/6/2021 18:49	1/6/2021 18:50	0:00:11	-44.66	-19.01	490.26	-44.35	-18.28	490.11	-143.89	0.11
58	1/6/2021 18:58	1/6/2021 18:59	0:00:10	-22.46	10.78	475.65	-21.98	11.20	475.30	-143.83	0.17
59	1/6/2021 18:59	1/6/2021 19:00	0:01:01	-20.55	12.44	474.23	-17.65	14.84	472.08	-143.36	0.64
60	1/6/2021 19:04	1/6/2021 19:05	0:00:50	-5.75	23.78	463.38	-3.23	25.57	461.61	-143.62	0.38

Table 11 Departure GN 6 Mbps (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)
61	1/6/2021 19:10	1/6/2021 19:11	0:00:29	13.37	37.49	450.93	14.85	38.63	450.07	-142.72	1.28
62	1/6/2021 19:30	1/6/2021 19:32	0:02:00	51.58	118.80	429.33	50.19	130.37	428.16	-142.69	1.31
63	1/6/2021 19:35	1/6/2021 19:35	0:00:09	47.37	141.84	427.13	47.10	142.66	427.07	-143.98	0.02
64	1/6/2021 19:36	1/6/2021 19:36	0:00:09	44.42	149.68	426.56	44.10	150.42	426.51	-143.36	0.64
65	1/6/2021 19:38	1/6/2021 19:38	0:00:11	41.31	156.01	426.24	40.94	156.68	426.22	-143.95	0.05
66	1/6/2021 19:40	1/6/2021 19:40	0:00:00	36.62	163.47	426.17	36.62	163.47	426.17	-143.95	0.05
67	1/6/2021 19:45	1/6/2021 19:46	0:01:49	23.11	178.37	428.26	17.76	-177.07	429.98	-142.21	1.79
68	1/6/2021 19:47	1/6/2021 19:48	0:01:11	16.28	-175.89	430.55	12.79	-173.19	432.04	-141.66	2.34
69	1/6/2021 19:50	1/6/2021 19:51	0:00:50	7.76	-169.48	434.56	5.23	-167.66	435.99	-142.12	1.88
70	1/6/2021 19:51	1/6/2021 19:52	0:00:50	3.20	-166.22	437.22	0.66	-164.43	438.85	-143.31	0.69
71	1/6/2021 19:54	1/6/2021 19:54	0:00:00	-5.43	-160.14	443.18	-5.43	-160.14	443.18	-144.00	0.00
72	1/6/2021 19:57	1/6/2021 19:57	0:00:00	-14.95	-153.10	451.02	-14.95	-153.10	451.02	-143.87	0.13
73	1/6/2021 20:32	1/6/2021 20:32	0:00:09	-22.41	-12.93	483.48	-21.93	-12.51	483.37	-143.98	0.02
74	1/6/2021 20:33	1/6/2021 20:34	0:00:50	-20.02	-10.86	482.95	-17.60	-8.87	482.47	-143.52	0.48
75	1/6/2021 20:38	1/6/2021 20:38	0:00:10	-5.21	0.41	480.99	-4.71	0.77	480.97	-143.95	0.05
76	1/6/2021 20:44	1/6/2021 20:45	0:00:31	13.81	14.07	482.26	15.28	15.21	482.53	-143.48	0.52
77	1/6/2021 21:05	1/6/2021 21:05	0:00:00	50.89	102.06	495.19	50.89	102.06	495.19	-143.90	0.10
78	1/6/2021 21:19	1/6/2021 21:20	0:00:41	21.72	155.72	488.09	19.81	157.35	487.71	-143.34	0.66
79	1/6/2021 21:22	1/6/2021 21:22	0:00:19	13.96	162.02	486.71	12.98	162.77	486.57	-142.93	1.07
80	1/6/2021 21:24	1/6/2021 21:25	0:00:21	7.01	167.16	485.91	6.01	167.88	485.83	-143.10	0.90
81	1/6/2021 21:57	1/6/2021 21:57	0:00:00	-44.07	-65.33	490.23	-44.07	-65.33	490.23	-143.71	0.29
82	1/6/2021 22:06	1/6/2021 22:06	0:00:00	-22.01	-36.50	483.33	-22.01	-36.50	483.33	-143.98	0.02
83	1/6/2021 22:07	1/6/2021 22:08	0:00:40	-19.61	-34.45	482.81	-17.68	-32.86	482.42	-143.50	0.50
84	1/6/2021 22:12	1/6/2021 22:12	0:00:11	-4.29	-22.86	480.90	-3.79	-22.50	480.89	-143.95	0.05
85	1/6/2021 22:18	1/6/2021 22:19	0:00:30	14.22	-9.54	482.29	15.69	-8.40	482.57	-143.63	0.37
86	1/6/2021 22:40	1/6/2021 22:40	0:00:10	50.91	77.98	495.19	50.78	78.92	495.17	-143.93	0.07
87	1/6/2021 22:54	1/6/2021 22:54	0:00:39	21.32	132.14	488.03	19.40	133.76	487.65	-143.34	0.66
88	1/6/2021 22:56	1/6/2021 22:57	0:00:20	13.55	138.41	486.67	12.56	139.16	486.54	-142.89	1.11
89	1/6/2021 22:58	1/6/2021 22:59	0:00:29	7.09	143.18	485.94	5.59	144.25	485.82	-143.15	0.85
90	1/6/2021 23:01	1/6/2021 23:01	0:00:00	0.08	148.14	485.58	0.08	148.14	485.58	-143.88	0.12
91	1/6/2021 23:31	1/6/2021 23:31	0:00:00	-44.12	-89.37	490.16	-44.12	-89.37	490.16	-143.80	0.20
92	1/6/2021 23:40	1/6/2021 23:40	0:00:00	-21.61	-60.08	483.16	-21.61	-60.08	483.16	-143.98	0.02
93	1/6/2021 23:41	1/6/2021 23:42	0:00:41	-19.21	-58.04	482.64	-17.27	-56.45	482.26	-143.67	0.33
94	1/6/2021 23:46	1/6/2021 23:47	0:00:11	-3.86	-46.49	480.81	-3.36	-46.13	480.80	-143.82	0.18
95	1/6/2021 23:53	1/6/2021 23:53	0:00:20	14.63	-33.15	482.32	15.62	-32.38	482.51	-143.77	0.23
96	1/7/2021 0:14	1/7/2021 0:14	0:00:00	50.80	54.85	495.25	50.80	54.85	495.25	-143.85	0.15
97	1/7/2021 0:28	1/7/2021 0:28	0:00:30	20.92	108.56	488.02	19.48	109.77	487.74	-143.32	0.68
98	1/7/2021 0:30	1/7/2021 0:31	0:00:19	13.63	114.43	486.76	12.64	115.18	486.62	-142.99	1.01
99	1/7/2021 0:33	1/7/2021 0:33	0:00:30	6.67	119.55	485.97	5.17	120.62	485.86	-143.19	0.81
100	1/7/2021 0:35	1/7/2021 0:35	0:00:00	-0.35	124.51	485.64	-0.35	124.51	485.64	-143.82	0.18
101	1/7/2021 1:06	1/7/2021 1:06	0:00:00	-43.85	-112.70	490.04	-43.85	-112.70	490.04	-143.49	0.51
102	1/7/2021 1:15	1/7/2021 1:15	0:00:00	-21.21	-83.66	483.06	-21.21	-83.66	483.06	-143.98	0.02
103	1/7/2021 1:15	1/7/2021 1:16	0:00:51	-19.28	-82.03	482.65	-16.86	-80.05	482.19	-143.65	0.35
104	1/7/2021 1:21	1/7/2021 1:21	0:00:21	-3.94	-70.47	480.82	-2.94	-69.76	480.80	-143.72	0.28
105	1/7/2021 1:27	1/7/2021 1:27	0:00:11	15.54	-56.37	482.51	16.03	-55.99	482.61	-143.89	0.11
106	1/7/2021 1:48	1/7/2021 1:48	0:00:10	50.82	30.77	495.30	50.69	31.71	495.29	-143.81	0.19
107	1/7/2021 2:02	1/7/2021 2:03	0:00:29	20.52	84.97	487.95	19.07	86.18	487.67	-143.32	0.68
108	1/7/2021 2:05	1/7/2021 2:05	0:00:20	13.22	90.81	486.70	12.23	91.56	486.56	-143.02	0.98
109	1/7/2021 2:07	1/7/2021 2:08	0:00:31	6.25	95.92	485.94	4.75	96.99	485.83	-143.20	0.80
110	1/7/2021 2:40	1/7/2021 2:40	0:00:00	-43.57	-136.03	490.07	-43.57	-136.03	490.07	-143.80	0.20
111	1/7/2021 2:49	1/7/2021 2:49	0:00:00	-21.28	-107.65	483.22	-21.28	-107.65	483.22	-143.99	0.01
112	1/7/2021 2:50	1/7/2021 2:51	0:00:41	-18.88	-105.63	482.71	-16.94	-104.05	482.34	-143.59	0.41
113	1/7/2021 2:55	1/7/2021 2:55	0:00:11	-3.53	-94.10	480.94	-3.02	-93.75	480.93	-143.65	0.35
114	1/7/2021 3:02	1/7/2021 3:02	0:00:09	15.94	-79.98	482.69	16.43	-79.59	482.79	-143.95	0.05
115	1/7/2021 3:22	1/7/2021 3:22	0:00:09	50.71	7.62	495.24	50.57	8.55	495.22	-143.74	0.26
116	1/7/2021 3:36	1/7/2021 3:37	0:00:39	20.60	60.97	487.86	18.67	62.58	487.48	-143.31	0.69
117	1/7/2021 3:39	1/7/2021 3:39	0:00:21	12.80	67.20	486.53	11.81	67.94	486.39	-143.06	0.94
118	1/7/2021 3:41	1/7/2021 3:42	0:00:30	6.34	71.93	485.82	4.84	73.00	485.72	-143.14	0.86
119	1/7/2021 4:14	1/7/2021 4:14	0:00:00	-43.63	-160.08	490.28	-43.63	-160.08	490.28	-143.89	0.11
120	1/7/2021 4:23	1/7/2021 4:23	0:00:00	-20.89	-131.24	483.31	-20.89	-131.24	483.31	-143.99	0.01

Table 11 Departure GN 6 Mbps (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)
121	1/7/2021 4:24	1/7/2021 4:25	0:00:41	-18.48	-129.22	482.81	-16.53	-127.65	482.44	-143.66	0.34
122	1/7/2021 4:29	1/7/2021 4:30	0:00:10	-3.11	-117.74	481.07	-2.61	-117.38	481.06	-143.63	0.37
123	1/7/2021 4:36	1/7/2021 4:36	0:00:09	16.35	-103.59	482.84	16.84	-103.20	482.94	-143.98	0.02
124	1/7/2021 4:57	1/7/2021 4:57	0:00:19	50.73	-16.47	495.09	50.44	-14.61	495.05	-143.75	0.25
125	1/7/2021 5:11	1/7/2021 5:11	0:00:40	20.20	37.38	487.60	18.27	38.99	487.24	-143.30	0.70
126	1/7/2021 5:13	1/7/2021 5:14	0:00:11	12.39	43.58	486.31	11.90	43.95	486.24	-143.14	0.86
127	1/7/2021 5:15	1/7/2021 5:16	0:00:31	5.92	48.30	485.64	4.42	49.37	485.54	-143.18	0.82
128	1/7/2021 5:49	1/7/2021 5:49	0:00:00	-43.35	176.58	490.15	-43.35	176.58	490.15	-143.98	0.02
129	1/7/2021 5:58	1/7/2021 5:58	0:00:00	-20.49	-154.83	483.23	-20.49	-154.83	483.23	-143.99	0.01
130	1/7/2021 5:59	1/7/2021 5:59	0:00:39	-18.07	-152.82	482.73	-16.12	-151.26	482.38	-143.84	0.16
131	1/7/2021 6:04	1/7/2021 6:04	0:00:09	-2.69	-141.37	481.07	-2.19	-141.01	481.06	-143.62	0.38
132	1/7/2021 6:10	1/7/2021 6:10	0:00:00	16.76	-127.19	482.94	16.76	-127.19	482.94	-143.97	0.03
133	1/7/2021 6:31	1/7/2021 6:31	0:00:20	50.62	-39.67	495.31	50.33	-37.82	495.26	-143.69	0.31
134	1/7/2021 6:45	1/7/2021 6:46	0:00:41	19.83	13.77	487.63	17.90	15.37	487.26	-143.30	0.70
135	1/7/2021 6:47	1/7/2021 6:48	0:00:21	12.51	19.57	486.40	11.52	20.31	486.26	-142.98	1.02
136	1/7/2021 6:50	1/7/2021 6:50	0:00:19	5.53	24.66	485.66	4.53	25.37	485.59	-143.16	0.84
137	1/7/2021 7:32	1/7/2021 7:32	0:00:00	-20.12	-178.43	483.25	-20.12	-178.43	483.25	-143.99	0.01
138	1/7/2021 7:33	1/7/2021 7:33	0:00:40	-18.18	-176.83	482.86	-16.24	-175.27	482.51	-143.79	0.21
139	1/7/2021 7:38	1/7/2021 7:38	0:00:10	-2.30	-165.02	481.22	-1.80	-164.66	481.22	-143.45	0.55
140	1/7/2021 7:44	1/7/2021 7:44	0:00:00	17.13	-150.81	483.22	17.13	-150.81	483.22	-143.97	0.03
141	1/7/2021 8:05	1/7/2021 8:05	0:00:19	50.65	-63.76	495.29	50.35	-61.91	495.24	-143.79	0.21
142	1/7/2021 8:19	1/7/2021 8:20	0:00:50	19.91	-10.22	487.67	17.50	-8.23	487.22	-143.30	0.70
143	1/7/2021 8:22	1/7/2021 8:22	0:00:20	12.10	-4.05	486.37	11.11	-3.31	486.24	-142.97	1.03
144	1/7/2021 8:24	1/7/2021 8:25	0:00:20	5.12	1.02	485.67	4.12	1.74	485.60	-142.89	1.11
145	1/7/2021 8:32	1/7/2021 8:32	0:00:00	-17.29	17.35	486.59	-17.29	17.35	486.59	-143.99	0.01
146	1/7/2021 9:06	1/7/2021 9:06	0:00:00	-20.20	157.57	483.16	-20.20	157.57	483.16	-143.99	0.01
147	1/7/2021 9:07	1/7/2021 9:07	0:00:09	-17.78	159.57	482.68	-17.30	159.96	482.59	-143.81	0.19
148	1/7/2021 9:08	1/7/2021 9:08	0:00:00	-15.83	161.13	482.34	-15.83	161.13	482.34	-143.64	0.36
149	1/7/2021 9:12	1/7/2021 9:13	0:00:20	-2.39	171.00	481.13	-1.38	171.70	481.13	-143.21	0.79
150	1/7/2021 9:19	1/7/2021 9:19	0:00:11	17.05	-174.81	483.15	17.54	-174.42	483.25	-143.96	0.04
151	1/7/2021 9:39	1/7/2021 9:40	0:00:20	50.53	-86.91	495.34	50.22	-85.07	495.28	-143.78	0.22
152	1/7/2021 9:53	1/7/2021 9:54	0:00:50	19.52	-33.82	487.72	17.09	-31.84	487.27	-143.30	0.70
153	1/7/2021 9:56	1/7/2021 9:56	0:00:10	11.69	-27.67	486.45	11.19	-27.30	486.38	-143.14	0.86
154	1/7/2021 9:58	1/7/2021 9:59	0:00:30	5.21	-22.96	485.80	3.71	-21.90	485.71	-142.83	1.17
155	1/7/2021 10:06	1/7/2021 10:06	0:00:00	-17.69	-6.25	486.77	-17.69	-6.25	486.77	-143.61	0.39
156	1/7/2021 10:41	1/7/2021 10:41	0:00:00	-19.80	133.98	482.99	-19.80	133.98	482.99	-143.99	0.01
157	1/7/2021 10:41	1/7/2021 10:41	0:00:09	-17.38	135.97	482.52	-16.90	136.36	482.43	-143.82	0.18
158	1/7/2021 10:42	1/7/2021 10:42	0:00:00	-15.43	137.52	482.18	-15.43	137.52	482.18	-143.71	0.29
159	1/7/2021 10:46	1/7/2021 10:47	0:00:21	-1.98	147.36	481.03	-0.97	148.07	481.03	-143.33	0.67
160	1/7/2021 10:53	1/7/2021 10:53	0:00:11	17.45	161.59	483.13	17.94	161.98	483.24	-143.84	0.16
161	1/7/2021 11:14	1/7/2021 11:14	0:00:19	50.56	-111.00	495.35	50.25	-109.16	495.30	-143.85	0.15
162	1/7/2021 11:28	1/7/2021 11:29	0:00:41	19.12	-57.41	487.72	17.18	-55.83	487.37	-143.30	0.70
163	1/7/2021 11:31	1/7/2021 11:31	0:00:09	11.28	-51.29	486.49	10.79	-50.92	486.43	-143.06	0.94
164	1/7/2021 11:33	1/7/2021 11:33	0:00:30	4.80	-46.60	485.89	3.29	-45.53	485.80	-143.00	1.00
165	1/7/2021 11:40	1/7/2021 11:40	0:00:00	-18.09	-29.86	486.98	-18.09	-29.86	486.98	-143.49	0.51
166	1/7/2021 12:15	1/7/2021 12:15	0:00:00	-19.41	110.38	482.86	-19.41	110.38	482.86	-143.98	0.02
167	1/7/2021 12:16	1/7/2021 12:16	0:00:10	-16.99	112.36	482.39	-16.50	112.75	482.30	-143.84	0.16
168	1/7/2021 12:21	1/7/2021 12:21	0:00:11	-1.57	123.72	480.92	-1.06	124.08	480.92	-143.46	0.54
169	1/7/2021 12:27	1/7/2021 12:27	0:00:11	17.36	137.59	482.95	17.85	137.98	483.06	-143.71	0.29
170	1/7/2021 12:48	1/7/2021 12:48	0:00:31	50.58	-135.09	495.20	50.11	-132.33	495.13	-143.85	0.15
171	1/7/2021 13:02	1/7/2021 13:03	0:00:50	19.20	-81.41	487.73	16.78	-79.44	487.30	-143.30	0.70
172	1/7/2021 13:05	1/7/2021 13:05	0:00:20	11.37	-75.28	486.52	10.38	-74.55	486.40	-142.80	1.20
173	1/7/2021 13:07	1/7/2021 13:07	0:00:20	4.38	-70.23	485.89	3.38	-69.52	485.84	-143.15	0.85
174	1/7/2021 13:15	1/7/2021 13:15	0:00:00	-18.49	-53.46	487.09	-18.49	-53.46	487.09	-143.68	0.32
175	1/7/2021 13:49	1/7/2021 13:49	0:00:00	-19.50	86.38	482.84	-19.50	86.38	482.84	-143.98	0.02
176	1/7/2021 13:50	1/7/2021 13:50	0:00:09	-17.07	88.36	482.36	-16.58	88.75	482.27	-143.83	0.17
177	1/7/2021 13:50	1/7/2021 13:50	0:00:00	-15.11	89.91	482.01	-15.11	89.91	482.01	-143.87	0.13
178	1/7/2021 13:55	1/7/2021 13:55	0:00:11	-1.15	100.09	480.85	-0.65	100.44	480.85	-143.59	0.41
179	1/7/2021 14:01	1/7/2021 14:02	0:00:11	17.76	113.99	482.96	18.25	114.38	483.07	-143.65	0.35
180	1/7/2021 14:22	1/7/2021 14:22	0:00:30	50.61	-159.18	495.18	50.14	-156.41	495.11	-143.89	0.11

Table 11 Departure GN 6 Mbps (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)
181	1/7/2021 14:36	1/7/2021 14:37	0:00:50	18.80	-105.00	487.70	16.37	-103.04	487.29	-143.29	0.71
182	1/7/2021 14:39	1/7/2021 14:39	0:00:20	10.96	-98.90	486.53	9.96	-98.17	486.42	-142.95	1.05
183	1/7/2021 14:41	1/7/2021 14:42	0:00:21	3.97	-93.86	485.94	2.97	-93.15	485.90	-143.04	0.96
184	1/7/2021 14:49	1/7/2021 14:49	0:00:00	-18.89	-77.05	487.26	-18.89	-77.05	487.26	-143.83	0.17
185	1/7/2021 15:23	1/7/2021 15:23	0:00:00	-19.10	62.79	482.77	-19.10	62.79	482.77	-143.98	0.02
186	1/7/2021 15:24	1/7/2021 15:24	0:00:11	-16.67	64.76	482.29	-16.18	65.14	482.20	-143.81	0.19
187	1/7/2021 15:25	1/7/2021 15:25	0:00:00	-14.71	66.29	481.96	-14.71	66.29	481.96	-143.69	0.31
188	1/7/2021 15:30	1/7/2021 15:30	0:00:09	-0.74	76.45	480.83	-0.24	76.81	480.83	-143.55	0.45
189	1/7/2021 15:36	1/7/2021 15:36	0:00:10	18.16	90.39	483.04	18.65	90.78	483.15	-143.44	0.56
190	1/7/2021 15:56	1/7/2021 15:57	0:00:30	50.48	177.65	495.28	50.00	-179.59	495.21	-143.90	0.10
191	1/7/2021 16:10	1/7/2021 16:12	0:01:01	18.89	-129.01	487.84	15.97	-126.66	487.34	-143.29	0.71
192	1/7/2021 16:13	1/7/2021 16:13	0:00:09	10.55	-122.53	486.60	10.06	-122.17	486.54	-143.18	0.82
193	1/7/2021 16:15	1/7/2021 16:16	0:00:30	4.06	-117.86	486.05	2.56	-116.79	485.99	-143.09	0.91
194	1/7/2021 16:23	1/7/2021 16:23	0:00:00	-19.28	-100.66	487.40	-19.28	-100.66	487.40	-143.95	0.05
195	1/7/2021 16:58	1/7/2021 16:58	0:00:00	-18.70	39.18	482.60	-18.70	39.18	482.60	-143.98	0.02
196	1/7/2021 16:58	1/7/2021 16:59	0:00:11	-16.27	41.15	482.14	-15.78	41.53	482.05	-143.82	0.18
197	1/7/2021 16:59	1/7/2021 16:59	0:00:00	-14.31	42.68	481.81	-14.31	42.68	481.81	-143.77	0.23
198	1/7/2021 17:04	1/7/2021 17:04	0:00:09	-0.33	52.81	480.76	0.18	53.17	480.77	-143.51	0.49
199	1/7/2021 17:10	1/7/2021 17:10	0:00:09	18.56	66.78	483.08	19.04	67.18	483.19	-143.23	0.77
200	1/7/2021 17:30	1/7/2021 17:31	0:00:30	50.51	153.56	495.31	50.03	156.31	495.24	-143.84	0.16
201	1/7/2021 17:45	1/7/2021 17:46	0:01:01	18.50	-152.61	487.85	15.58	-150.27	487.35	-143.29	0.71
202	1/7/2021 17:48	1/7/2021 17:48	0:00:10	10.15	-146.16	486.62	9.65	-145.80	486.57	-143.12	0.88
203	1/7/2021 17:50	1/7/2021 17:50	0:00:30	3.65	-141.49	486.10	2.15	-140.43	486.03	-143.18	0.82
204	1/7/2021 18:32	1/7/2021 18:32	0:00:11	-18.79	15.18	482.52	-18.31	15.58	482.42	-143.96	0.04
205	1/7/2021 18:33	1/7/2021 18:33	0:00:11	-15.87	17.53	481.97	-15.38	17.92	481.89	-143.86	0.14
206	1/7/2021 18:38	1/7/2021 18:38	0:00:10	0.09	29.18	480.69	0.59	29.53	480.70	-143.50	0.50
207	1/7/2021 18:44	1/7/2021 18:45	0:00:19	18.47	42.79	483.00	19.44	43.58	483.22	-143.37	0.63
208	1/7/2021 19:05	1/7/2021 19:05	0:00:31	50.39	130.39	495.29	49.89	133.13	495.22	-143.79	0.21
209	1/7/2021 19:19	1/7/2021 19:20	0:00:50	18.10	-176.21	487.82	15.66	-174.26	487.41	-143.29	0.71
210	1/7/2021 19:22	1/7/2021 19:22	0:00:20	10.24	-170.15	486.68	9.24	-169.42	486.58	-142.99	1.01
211	1/7/2021 19:24	1/7/2021 19:25	0:00:31	3.24	-165.13	486.13	1.74	-164.07	486.07	-143.06	0.94
212	1/7/2021 20:06	1/7/2021 20:06	0:00:00	-18.40	-8.42	482.39	-18.40	-8.42	482.39	-143.96	0.04
213	1/7/2021 20:07	1/7/2021 20:07	0:00:11	-15.96	-6.46	481.94	-15.47	-6.08	481.85	-143.86	0.14
214	1/7/2021 20:08	1/7/2021 20:08	0:00:00	-13.99	-4.93	481.62	-13.99	-4.93	481.62	-143.91	0.09
215	1/7/2021 20:12	1/7/2021 20:12	0:00:09	-0.01	5.19	480.64	0.50	5.54	480.65	-143.52	0.48
216	1/7/2021 20:19	1/7/2021 20:19	0:00:09	18.87	19.19	483.03	19.35	19.59	483.15	-143.54	0.46
217	1/7/2021 20:39	1/7/2021 20:40	0:00:41	50.42	106.30	495.25	49.74	109.95	495.16	-143.72	0.28
218	1/7/2021 20:53	1/7/2021 20:54	0:01:01	18.18	159.80	487.82	15.26	162.12	487.34	-143.29	0.71
219	1/7/2021 20:56	1/7/2021 20:57	0:00:21	9.83	166.22	486.63	8.83	166.95	486.53	-143.01	0.99
220	1/7/2021 20:59	1/7/2021 20:59	0:00:19	2.83	171.24	486.10	1.82	171.94	486.07	-142.85	1.15
221	1/7/2021 21:41	1/7/2021 21:41	0:00:00	-18.00	-32.02	482.26	-18.00	-32.02	482.26	-143.97	0.03
222	1/7/2021 21:41	1/7/2021 21:42	0:00:10	-15.56	-30.07	481.82	-15.06	-29.69	481.74	-143.86	0.14
223	1/7/2021 21:42	1/7/2021 21:42	0:00:00	-13.59	-28.55	481.51	-13.59	-28.55	481.51	-143.72	0.28
224	1/7/2021 21:47	1/7/2021 21:47	0:00:11	0.41	-18.45	480.60	0.91	-18.09	480.61	-143.66	0.34
225	1/7/2021 21:53	1/7/2021 21:53	0:00:10	19.27	-4.41	483.09	19.75	-4.01	483.21	-143.69	0.31
226	1/7/2021 22:13	1/7/2021 22:14	0:00:30	50.29	83.14	495.22	49.78	85.86	495.15	-143.67	0.33
227	1/7/2021 22:28	1/7/2021 22:29	0:00:59	17.78	136.20	487.77	14.86	138.51	487.29	-143.28	0.72
228	1/7/2021 22:30	1/7/2021 22:31	0:00:20	9.91	142.23	486.66	8.92	142.96	486.55	-143.18	0.82
229	1/7/2021 22:33	1/7/2021 22:33	0:00:20	2.41	147.60	486.11	1.41	148.31	486.07	-143.14	0.86
230	1/7/2021 23:01	1/7/2021 23:01	0:00:00	-49.34	-104.07	492.28	-49.34	-104.07	492.28	-143.73	0.27
231	1/7/2021 23:15	1/7/2021 23:15	0:00:11	-18.08	-56.01	482.19	-17.59	-55.61	482.10	-143.93	0.07
232	1/7/2021 23:16	1/7/2021 23:16	0:00:09	-15.15	-53.68	481.67	-14.66	-53.30	481.59	-143.90	0.10
233	1/7/2021 23:16	1/7/2021 23:16	0:00:00	-13.18	-52.16	481.36	-13.18	-52.16	481.36	-143.74	0.26
234	1/7/2021 23:21	1/7/2021 23:21	0:00:11	0.83	-42.08	480.53	1.33	-41.73	480.55	-143.80	0.20
235	1/7/2021 23:27	1/7/2021 23:28	0:00:41	19.67	-28.00	483.14	21.59	-26.37	483.63	-143.82	0.18
236	1/7/2021 23:47	1/7/2021 23:48	0:00:41	50.32	59.06	495.30	49.62	62.68	495.19	-143.61	0.39
237	1/8/2021 0:02	1/8/2021 0:03	0:00:59	17.38	112.59	487.77	14.45	114.90	487.31	-143.28	0.72
238	1/8/2021 0:05	1/8/2021 0:05	0:00:21	9.50	118.61	486.68	8.51	119.33	486.58	-143.15	0.85
239	1/8/2021 0:07	1/8/2021 0:08	0:00:21	2.00	123.97	486.16	0.99	124.68	486.13	-143.36	0.64
240	1/8/2021 0:36	1/8/2021 0:36	0:00:00	-49.17	-127.27	492.19	-49.17	-127.27	492.19	-143.52	0.48

Table 11 Departure GN 6 Mbps (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)
241	1/8/2021 0:50	1/8/2021 0:50	0:00:00	-14.74	-77.29	481.60	-14.74	-77.29	481.60	-143.93	0.07
242	1/8/2021 0:55	1/8/2021 0:55	0:00:00	1.24	-65.71	480.55	1.24	-65.71	480.55	-143.79	0.21
243	1/8/2021 1:02	1/8/2021 1:02	0:00:41	20.07	-51.59	483.26	21.98	-49.95	483.75	-143.64	0.36
244	1/8/2021 1:03	1/8/2021 1:03	0:00:00	24.34	-47.82	484.40	24.34	-47.82	484.40	-143.99	0.01
245	1/8/2021 1:22	1/8/2021 1:22	0:00:30	50.18	35.89	495.33	49.65	38.60	495.25	-143.56	0.44
246	1/8/2021 1:36	1/8/2021 1:37	0:00:50	16.98	88.99	487.71	14.53	90.91	487.32	-143.28	0.72
247	1/8/2021 1:39	1/8/2021 1:39	0:00:20	9.09	94.98	486.64	8.09	95.70	486.54	-143.05	0.95
248	1/8/2021 1:41	1/8/2021 1:42	0:00:11	1.58	100.33	486.14	1.08	100.69	486.13	-143.51	0.49
249	1/8/2021 2:10	1/8/2021 2:10	0:00:10	-49.20	-151.35	492.32	-48.99	-150.48	492.23	-143.53	0.47
250	1/8/2021 2:24	1/8/2021 2:24	0:00:00	-14.34	-100.91	481.67	-14.34	-100.91	481.67	-143.92	0.08
251	1/8/2021 2:25	1/8/2021 2:25	0:00:00	-12.86	-99.78	481.45	-12.86	-99.78	481.45	-143.96	0.04
252	1/8/2021 2:30	1/8/2021 2:30	0:00:00	1.66	-89.35	480.69	1.66	-89.35	480.69	-143.84	0.16
253	1/8/2021 2:36	1/8/2021 2:37	0:00:20	21.42	-74.37	483.68	22.37	-73.54	483.93	-143.49	0.51
254	1/8/2021 2:37	1/8/2021 2:37	0:00:00	24.73	-71.40	484.58	24.73	-71.40	484.58	-143.99	0.01
255	1/8/2021 2:56	1/8/2021 2:57	0:00:30	50.04	12.70	495.27	49.49	15.40	495.18	-143.51	0.49
256	1/8/2021 3:11	1/8/2021 3:11	0:00:50	16.58	65.38	487.54	14.13	67.29	487.15	-143.28	0.72
257	1/8/2021 3:13	1/8/2021 3:14	0:00:30	9.18	70.99	486.54	7.68	72.07	486.39	-142.98	1.02
258	1/8/2021 3:16	1/8/2021 3:16	0:00:11	1.17	76.69	486.02	0.67	77.05	486.00	-143.78	0.22
259	1/8/2021 3:44	1/8/2021 3:44	0:00:00	-49.03	-174.56	492.42	-49.03	-174.56	492.42	-143.08	0.92
260	1/8/2021 3:59	1/8/2021 3:59	0:00:00	-13.93	-124.53	481.77	-13.93	-124.53	481.77	-143.91	0.09
261	1/8/2021 3:59	1/8/2021 3:59	0:00:00	-12.45	-123.40	481.56	-12.45	-123.40	481.56	-143.72	0.28
262	1/8/2021 4:04	1/8/2021 4:04	0:00:00	2.07	-112.99	480.83	2.07	-112.99	480.83	-143.95	0.05
263	1/8/2021 4:10	1/8/2021 4:11	0:00:30	21.33	-98.37	483.71	22.76	-97.12	484.08	-143.48	0.52
264	1/8/2021 4:30	1/8/2021 4:31	0:00:30	50.07	-11.39	495.11	49.53	-8.69	495.02	-143.42	0.58
265	1/8/2021 4:45	1/8/2021 4:46	0:00:49	16.18	41.77	487.30	13.72	43.67	486.93	-143.27	0.73
266	1/8/2021 4:47	1/8/2021 4:48	0:00:20	8.77	47.36	486.34	7.77	48.08	486.24	-143.10	0.90
267	1/8/2021 4:50	1/8/2021 4:50	0:00:00	0.76	53.06	485.86	0.76	53.06	485.86	-143.91	0.09
268	1/8/2021 5:18	1/8/2021 5:18	0:00:09	-49.07	161.36	492.41	-48.86	162.23	492.32	-143.53	0.47
269	1/8/2021 5:33	1/8/2021 5:33	0:00:00	-13.53	-148.14	481.73	-13.53	-148.14	481.73	-143.91	0.09
270	1/8/2021 5:34	1/8/2021 5:34	0:00:00	-12.04	-147.02	481.52	-12.04	-147.02	481.52	-143.68	0.32
271	1/8/2021 5:45	1/8/2021 5:45	0:00:31	21.72	-121.96	483.83	23.15	-120.70	484.20	-143.40	0.60
272	1/8/2021 6:05	1/8/2021 6:05	0:00:30	49.93	-34.57	495.09	49.37	-31.89	494.99	-143.54	0.46
273	1/8/2021 6:19	1/8/2021 6:20	0:01:01	16.26	17.77	487.29	13.32	20.05	486.84	-143.25	0.75
274	1/8/2021 6:22	1/8/2021 6:22	0:00:19	8.36	23.73	486.26	7.36	24.45	486.18	-143.19	0.81
275	1/8/2021 6:53	1/8/2021 6:53	0:00:09	-48.90	138.15	492.27	-48.68	139.01	492.18	-143.61	0.39
276	1/8/2021 7:19	1/8/2021 7:20	0:00:30	22.12	-145.54	483.89	23.54	-144.27	484.27	-143.39	0.61
277	1/8/2021 7:39	1/8/2021 7:39	0:00:20	49.79	-57.75	495.04	49.41	-55.97	494.97	-143.62	0.38
278	1/8/2021 7:54	1/8/2021 7:54	0:00:50	15.86	-5.84	487.25	13.40	-3.94	486.88	-143.26	0.74
279	1/8/2021 7:56	1/8/2021 7:57	0:00:31	8.44	-0.26	486.30	6.95	0.82	486.17	-143.14	0.86
280	1/8/2021 8:01	1/8/2021 8:01	0:00:00	-5.59	9.68	485.92	-5.59	9.68	485.92	-143.78	0.22
281	1/8/2021 8:27	1/8/2021 8:27	0:00:21	-48.72	114.94	492.12	-48.26	116.65	491.92	-143.72	0.28
282	1/8/2021 8:42	1/8/2021 8:42	0:00:00	-13.20	164.25	481.54	-13.20	164.25	481.54	-143.98	0.02
283	1/8/2021 8:42	1/8/2021 8:42	0:00:00	-11.72	165.37	481.34	-11.72	165.37	481.34	-143.88	0.12
284	1/8/2021 8:54	1/8/2021 8:54	0:00:29	22.51	-169.12	483.95	23.93	-167.84	484.33	-143.37	0.63
285	1/8/2021 9:13	1/8/2021 9:14	0:00:21	49.63	-80.93	495.07	49.24	-79.16	495.01	-143.71	0.29
286	1/8/2021 9:28	1/8/2021 9:29	0:00:50	15.45	-29.44	487.30	13.00	-27.55	486.95	-143.27	0.73
287	1/8/2021 9:30	1/8/2021 9:31	0:00:30	8.03	-23.89	486.39	6.53	-22.81	486.26	-143.08	0.92
288	1/8/2021 9:35	1/8/2021 9:35	0:00:00	-6.00	-13.95	486.06	-6.00	-13.95	486.06	-143.44	0.56
289	1/8/2021 10:01	1/8/2021 10:01	0:00:20	-48.53	91.72	492.03	-48.06	93.41	491.83	-143.57	0.43
290	1/8/2021 10:16	1/8/2021 10:16	0:00:00	-12.79	140.64	481.39	-12.79	140.64	481.39	-143.95	0.05
291	1/8/2021 10:16	1/8/2021 10:16	0:00:00	-11.31	141.75	481.19	-11.31	141.75	481.19	-143.69	0.31
292	1/8/2021 10:28	1/8/2021 10:28	0:00:30	22.91	167.31	483.96	24.32	168.59	484.35	-143.39	0.61
293	1/8/2021 10:42	1/8/2021 10:42	0:00:00	51.37	-135.72	494.68	51.37	-135.72	494.68	-143.98	0.02
294	1/8/2021 10:48	1/8/2021 10:48	0:00:00	49.27	-103.23	495.03	49.27	-103.23	495.03	-143.86	0.14
295	1/8/2021 11:02	1/8/2021 11:03	0:00:50	15.05	-53.05	487.33	12.59	-51.17	486.99	-143.23	0.77
296	1/8/2021 11:05	1/8/2021 11:05	0:00:29	7.62	-47.51	486.46	6.12	-46.44	486.34	-143.10	0.90
297	1/8/2021 11:09	1/8/2021 11:09	0:00:11	-5.92	-37.94	486.19	-6.42	-37.58	486.22	-143.55	0.45
298	1/8/2021 11:35	1/8/2021 11:36	0:00:20	-48.34	68.49	492.05	-47.86	70.17	491.84	-143.38	0.62
299	1/8/2021 11:50	1/8/2021 11:50	0:00:00	-12.39	117.02	481.26	-12.39	117.02	481.26	-143.93	0.07
300	1/8/2021 11:51	1/8/2021 11:51	0:00:00	-10.90	118.13	481.06	-10.90	118.13	481.06	-143.72	0.28

Table 11 Departure GN 6 Mbps (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)
301	1/8/2021 12:02	1/8/2021 12:03	0:00:30	23.29	143.73	483.89	24.70	145.02	484.29	-143.44	0.56
302	1/8/2021 12:22	1/8/2021 12:22	0:00:00	49.10	-126.43	494.86	49.10	-126.43	494.86	-144.00	0.00
303	1/8/2021 12:36	1/8/2021 12:37	0:00:50	14.64	-76.66	487.28	12.18	-74.79	486.96	-143.23	0.77
304	1/8/2021 12:39	1/8/2021 12:39	0:00:21	7.20	-71.14	486.45	6.20	-70.42	486.38	-143.20	0.80
305	1/8/2021 12:44	1/8/2021 12:44	0:00:09	-6.33	-61.56	486.26	-6.83	-61.21	486.28	-143.43	0.57
306	1/8/2021 13:10	1/8/2021 13:10	0:00:10	-47.91	46.10	491.88	-47.66	46.93	491.77	-143.65	0.35
307	1/8/2021 13:24	1/8/2021 13:25	0:00:30	-11.98	93.40	481.14	-10.49	94.51	480.95	-143.86	0.14
308	1/8/2021 13:36	1/8/2021 13:37	0:00:31	23.69	120.16	483.92	25.09	121.46	484.32	-143.50	0.50
309	1/8/2021 14:11	1/8/2021 14:12	0:00:50	14.72	-100.65	487.34	12.26	-98.77	487.02	-143.25	0.75
310	1/8/2021 14:13	1/8/2021 14:14	0:00:20	6.79	-94.77	486.48	5.79	-94.05	486.41	-143.29	0.71
311	1/8/2021 14:18	1/8/2021 14:18	0:00:00	-6.75	-85.19	486.37	-6.75	-85.19	486.37	-143.35	0.65
312	1/8/2021 14:44	1/8/2021 14:44	0:00:20	-48.19	21.19	492.06	-47.70	22.86	491.85	-143.55	0.45
313	1/8/2021 14:59	1/8/2021 14:59	0:00:20	-11.57	69.78	481.09	-10.57	70.51	480.96	-143.70	0.30
314	1/8/2021 15:11	1/8/2021 15:11	0:00:30	24.07	96.59	484.03	25.48	97.90	484.43	-143.55	0.45
315	1/8/2021 15:45	1/8/2021 15:46	0:00:50	14.32	-124.27	487.40	11.85	-122.40	487.09	-143.26	0.74
316	1/8/2021 15:48	1/8/2021 15:48	0:00:20	6.38	-118.40	486.57	5.38	-117.69	486.50	-143.21	0.79
317	1/8/2021 15:50	1/8/2021 15:50	0:00:00	-0.64	-113.44	486.31	-0.64	-113.44	486.31	-143.93	0.07
318	1/8/2021 15:52	1/8/2021 15:52	0:00:09	-6.66	-109.18	486.46	-7.16	-108.83	486.49	-143.54	0.46
319	1/8/2021 16:19	1/8/2021 16:19	0:00:00	-47.49	-0.39	491.70	-47.49	-0.39	491.70	-143.97	0.03
320	1/8/2021 16:33	1/8/2021 16:33	0:00:30	-11.66	45.78	481.02	-10.17	46.89	480.84	-143.60	0.40
321	1/8/2021 16:45	1/8/2021 16:46	0:00:20	24.46	73.02	484.09	25.39	73.89	484.36	-143.59	0.41
322	1/8/2021 17:19	1/8/2021 17:20	0:00:50	13.91	-147.88	487.42	11.45	-146.02	487.11	-143.22	0.78
323	1/8/2021 17:22	1/8/2021 17:22	0:00:19	5.97	-142.04	486.61	4.96	-141.32	486.54	-143.12	0.88
324	1/8/2021 17:24	1/8/2021 17:24	0:00:00	-1.06	-137.08	486.36	-1.06	-137.08	486.36	-143.86	0.14
325	1/8/2021 17:26	1/8/2021 17:26	0:00:09	-7.07	-132.82	486.53	-7.57	-132.46	486.56	-143.81	0.19
326	1/8/2021 17:53	1/8/2021 17:53	0:00:00	-48.03	-26.12	491.84	-48.03	-26.12	491.84	-144.00	0.00
327	1/8/2021 18:07	1/8/2021 18:08	0:00:31	-11.25	22.16	480.88	-9.75	23.26	480.70	-143.58	0.42
328	1/8/2021 18:19	1/8/2021 18:20	0:00:21	24.85	49.45	484.15	25.78	50.33	484.42	-143.64	0.36
329	1/8/2021 18:38	1/8/2021 18:38	0:00:00	49.64	135.48	495.07	49.64	135.48	495.07	-144.00	0.00
330	1/8/2021 18:54	1/8/2021 18:55	0:00:50	13.51	-171.50	487.41	11.04	-169.64	487.11	-143.22	0.78
331	1/8/2021 18:56	1/8/2021 18:56	0:00:09	5.55	-165.67	486.63	5.05	-165.31	486.60	-143.03	0.97
332	1/8/2021 18:59	1/8/2021 18:59	0:00:00	-1.47	-160.71	486.42	-1.47	-160.71	486.42	-143.88	0.12
333	1/8/2021 19:01	1/8/2021 19:01	0:00:00	-7.48	-156.45	486.61	-7.48	-156.45	486.61	-143.97	0.03
334	1/8/2021 19:27	1/8/2021 19:27	0:00:00	-47.83	-49.36	491.74	-47.83	-49.36	491.74	-143.89	0.11
335	1/8/2021 19:42	1/8/2021 19:42	0:00:30	-10.84	-1.46	480.78	-9.34	-0.36	480.61	-143.53	0.47
336	1/8/2021 19:50	1/8/2021 19:51	0:00:11	15.65	17.70	481.83	16.14	18.08	481.93	-143.93	0.07
337	1/8/2021 19:54	1/8/2021 19:54	0:00:20	25.23	25.88	484.21	26.16	26.77	484.48	-143.68	0.32
338	1/8/2021 20:13	1/8/2021 20:13	0:00:00	49.48	112.29	495.01	49.48	112.29	495.01	-143.80	0.20
339	1/8/2021 20:28	1/8/2021 20:29	0:00:50	13.59	164.51	487.41	11.12	166.37	487.11	-143.24	0.76
340	1/8/2021 20:31	1/8/2021 20:31	0:00:19	5.64	170.35	486.63	4.64	171.06	486.57	-143.26	0.74
341	1/8/2021 20:33	1/8/2021 20:33	0:00:00	-1.89	175.65	486.41	-1.89	175.65	486.41	-143.96	0.04
342	1/8/2021 21:16	1/8/2021 21:16	0:00:20	-10.43	-25.08	480.68	-9.43	-24.35	480.57	-143.50	0.50
343	1/8/2021 21:25	1/8/2021 21:25	0:00:09	16.05	-5.91	481.88	16.54	-5.52	481.98	-143.83	0.17
344	1/8/2021 21:28	1/8/2021 21:28	0:00:19	25.62	2.32	484.29	26.54	3.22	484.56	-143.71	0.29
345	1/8/2021 21:47	1/8/2021 21:47	0:00:10	49.51	88.22	494.99	49.32	89.10	494.96	-143.68	0.32
346	1/8/2021 22:02	1/8/2021 22:03	0:00:50	13.18	140.90	487.37	10.71	142.75	487.08	-143.25	0.75
347	1/8/2021 22:05	1/8/2021 22:05	0:00:20	5.22	146.72	486.61	4.22	147.43	486.56	-143.44	0.56
348	1/8/2021 22:07	1/8/2021 22:07	0:00:00	-1.80	151.67	486.42	-1.80	151.67	486.42	-143.73	0.27
349	1/8/2021 22:35	1/8/2021 22:35	0:00:00	-47.67	-96.67	491.55	-47.67	-96.67	491.55	-143.67	0.33
350	1/8/2021 22:50	1/8/2021 22:51	0:00:21	-10.01	-48.70	480.55	-9.01	-47.97	480.45	-143.28	0.72
351	1/8/2021 22:59	1/8/2021 22:59	0:00:09	16.46	-29.51	481.91	16.95	-29.13	482.02	-143.71	0.29
352	1/8/2021 23:03	1/8/2021 23:03	0:00:09	26.01	-21.23	484.38	26.47	-20.78	484.52	-143.71	0.29
353	1/8/2021 23:21	1/8/2021 23:21	0:00:09	49.35	65.03	495.04	49.14	65.91	495.01	-143.56	0.44
354	1/8/2021 23:37	1/8/2021 23:37	0:00:50	12.77	117.28	487.39	10.30	119.13	487.10	-143.23	0.77
355	1/8/2021 23:39	1/8/2021 23:40	0:00:21	4.81	123.09	486.66	3.80	123.80	486.61	-143.38	0.62
356	1/8/2021 23:42	1/8/2021 23:42	0:00:00	-2.22	128.03	486.49	-2.22	128.03	486.49	-143.58	0.42
357	1/8/2021 23:42	1/8/2021 23:42	0:00:09	-3.72	129.10	486.51	-4.23	129.45	486.53	-143.99	0.01
358	1/9/2021 0:10	1/9/2021 0:10	0:00:00	-47.71	-120.73	491.55	-47.71	-120.73	491.55	-143.92	0.08
359	1/9/2021 0:25	1/9/2021 0:25	0:00:29	-10.09	-72.69	480.56	-8.60	-71.60	480.41	-143.37	0.63
360	1/9/2021 0:33	1/9/2021 0:33	0:00:00	16.87	-53.12	482.01	16.87	-53.12	482.01	-143.59	0.41

Table 11 Departure GN 6 Mbps (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)
361	1/9/2021 0:37	1/9/2021 0:37	0:00:19	25.93	-45.23	484.37	26.85	-44.33	484.65	-143.69	0.31
362	1/9/2021 0:55	1/9/2021 0:56	0:00:11	49.38	40.96	495.09	49.18	41.84	495.06	-143.33	0.67
363	1/9/2021 1:11	1/9/2021 1:12	0:00:51	12.36	93.66	487.34	9.88	95.50	487.06	-143.21	0.79
364	1/9/2021 1:13	1/9/2021 1:14	0:00:11	4.39	99.45	486.64	3.89	99.81	486.61	-143.35	0.65
365	1/9/2021 1:16	1/9/2021 1:16	0:00:00	-2.64	104.40	486.50	-2.64	104.40	486.50	-143.62	0.38
366	1/9/2021 1:16	1/9/2021 1:16	0:00:09	-4.14	105.46	486.53	-4.64	105.82	486.54	-143.69	0.31
367	1/9/2021 1:43	1/9/2021 1:44	0:00:30	-48.23	-146.47	491.90	-47.50	-143.98	491.57	-143.61	0.39
368	1/9/2021 1:59	1/9/2021 1:59	0:00:30	-9.68	-96.32	480.64	-8.18	-95.23	480.49	-143.46	0.54
369	1/9/2021 2:08	1/9/2021 2:08	0:00:00	17.27	-76.72	482.18	17.27	-76.72	482.18	-143.53	0.47
370	1/9/2021 2:11	1/9/2021 2:11	0:00:20	26.31	-68.79	484.55	27.23	-67.88	484.83	-143.61	0.39
371	1/9/2021 2:30	1/9/2021 2:30	0:00:09	49.21	17.75	495.03	49.00	18.63	495.00	-143.47	0.53
372	1/9/2021 2:45	1/9/2021 2:46	0:00:50	12.45	69.67	487.25	9.97	71.51	486.96	-143.22	0.78
373	1/9/2021 2:48	1/9/2021 2:48	0:00:11	3.97	75.82	486.50	3.47	76.17	486.48	-143.43	0.57
374	1/9/2021 2:50	1/9/2021 2:51	0:00:30	-3.05	80.76	486.40	-4.56	81.83	486.44	-143.38	0.62
375	1/9/2021 3:18	1/9/2021 3:18	0:00:30	-48.04	-169.71	492.00	-47.28	-167.24	491.67	-143.74	0.26
376	1/9/2021 3:33	1/9/2021 3:34	0:00:31	-9.27	-119.95	480.76	-7.77	-118.86	480.62	-143.52	0.48
377	1/9/2021 3:42	1/9/2021 3:42	0:00:00	17.67	-100.33	482.34	17.67	-100.33	482.34	-143.63	0.37
378	1/9/2021 3:45	1/9/2021 3:46	0:00:20	26.69	-92.35	484.70	27.60	-91.44	484.98	-143.50	0.50
379	1/9/2021 4:04	1/9/2021 4:04	0:00:19	49.25	-6.33	494.86	48.83	-4.59	494.79	-143.13	0.87
380	1/9/2021 4:19	1/9/2021 4:20	0:00:50	12.04	46.05	487.03	9.56	47.88	486.76	-143.24	0.76
381	1/9/2021 4:22	1/9/2021 4:22	0:00:09	3.56	52.18	486.33	3.06	52.54	486.31	-143.60	0.40
382	1/9/2021 4:24	1/9/2021 4:25	0:00:30	-3.47	57.13	486.27	-4.97	58.19	486.31	-143.28	0.72
383	1/9/2021 4:52	1/9/2021 4:52	0:00:20	-47.84	167.06	491.89	-47.33	168.70	491.67	-143.48	0.52
384	1/9/2021 5:08	1/9/2021 5:08	0:00:19	-8.86	-143.57	480.75	-7.86	-142.85	480.65	-143.52	0.48
385	1/9/2021 5:16	1/9/2021 5:17	0:00:11	17.59	-124.33	482.35	18.07	-123.93	482.45	-143.77	0.23
386	1/9/2021 5:20	1/9/2021 5:20	0:00:21	27.07	-115.90	484.83	27.98	-114.98	485.11	-143.38	0.62
387	1/9/2021 5:38	1/9/2021 5:38	0:00:09	49.08	-29.54	494.83	48.87	-28.67	494.79	-143.21	0.79
388	1/9/2021 5:54	1/9/2021 5:54	0:00:50	11.63	22.43	486.94	9.15	24.26	486.68	-143.21	0.79
389	1/9/2021 5:57	1/9/2021 5:57	0:00:09	3.14	28.55	486.27	2.64	28.90	486.26	-143.74	0.26
390	1/9/2021 5:59	1/9/2021 5:59	0:00:41	-3.38	33.14	486.22	-5.39	34.56	486.29	-143.36	0.64
391	1/9/2021 6:26	1/9/2021 6:27	0:00:21	-47.63	143.82	491.73	-47.11	145.45	491.51	-143.48	0.52
392	1/9/2021 6:42	1/9/2021 6:42	0:00:19	-8.44	-167.20	480.66	-7.44	-166.47	480.57	-143.56	0.44
393	1/9/2021 6:51	1/9/2021 6:51	0:00:10	17.99	-147.92	482.40	18.48	-147.53	482.51	-143.91	0.09
394	1/9/2021 6:54	1/9/2021 6:55	0:00:31	27.45	-139.45	484.91	28.82	-138.05	485.34	-143.23	0.77
395	1/9/2021 7:12	1/9/2021 7:13	0:00:19	49.12	-53.61	494.81	48.69	-51.87	494.74	-143.32	0.68
396	1/9/2021 7:28	1/9/2021 7:29	0:00:50	11.22	-1.19	486.92	8.73	0.63	486.67	-143.18	0.82
397	1/9/2021 7:31	1/9/2021 7:31	0:00:00	2.73	4.92	486.29	2.73	4.92	486.29	-143.71	0.29
398	1/9/2021 7:33	1/9/2021 7:34	0:00:41	-3.80	9.51	486.26	-5.80	10.93	486.33	-143.44	0.56
399	1/9/2021 8:01	1/9/2021 8:01	0:00:20	-47.42	120.58	491.57	-46.89	122.19	491.34	-143.33	0.67
400	1/9/2021 8:16	1/9/2021 8:17	0:00:20	-8.03	169.18	480.53	-7.03	169.90	480.45	-143.62	0.38
401	1/9/2021 8:25	1/9/2021 8:25	0:00:00	18.40	-171.52	482.43	18.40	-171.52	482.43	-143.96	0.04
402	1/9/2021 8:28	1/9/2021 8:29	0:00:30	27.83	-162.99	484.99	29.19	-161.58	485.43	-143.08	0.92
403	1/9/2021 8:47	1/9/2021 8:47	0:00:20	48.94	-76.80	494.84	48.50	-75.08	494.76	-143.32	0.68
404	1/9/2021 9:02	1/9/2021 9:03	0:00:50	10.80	-24.81	486.99	8.31	-22.99	486.75	-143.21	0.79
405	1/9/2021 9:05	1/9/2021 9:05	0:00:00	2.31	-18.71	486.39	2.31	-18.71	486.39	-143.69	0.31
406	1/9/2021 9:07	1/9/2021 9:08	0:00:40	-4.22	-14.12	486.39	-6.22	-12.69	486.47	-143.42	0.58
407	1/9/2021 9:35	1/9/2021 9:35	0:00:09	-47.20	97.32	491.45	-46.94	98.13	491.34	-143.21	0.79
408	1/9/2021 9:49	1/9/2021 9:49	0:00:00	-11.10	143.01	480.77	-11.10	143.01	480.77	-143.94	0.06
409	1/9/2021 9:50	1/9/2021 9:51	0:00:30	-8.11	145.20	480.45	-6.61	146.28	480.32	-143.67	0.33
410	1/9/2021 9:59	1/9/2021 9:59	0:00:00	18.80	164.89	482.43	18.80	164.89	482.43	-143.99	0.01
411	1/9/2021 10:03	1/9/2021 10:03	0:00:30	28.21	173.48	485.03	29.57	174.89	485.47	-142.98	1.02
412	1/9/2021 10:21	1/9/2021 10:21	0:00:09	48.76	-100.01	494.83	48.53	-99.15	494.80	-143.48	0.52
413	1/9/2021 10:36	1/9/2021 10:38	0:01:01	10.88	-48.80	487.10	7.90	-46.62	486.82	-143.23	0.77
414	1/9/2021 10:40	1/9/2021 10:40	0:00:00	1.89	-42.34	486.50	1.89	-42.34	486.50	-143.71	0.29
415	1/9/2021 10:42	1/9/2021 10:42	0:00:39	-4.63	-37.75	486.54	-6.64	-36.32	486.63	-143.34	0.66
416	1/9/2021 10:44	1/9/2021 10:44	0:00:00	-10.62	-33.43	486.92	-10.62	-33.43	486.92	-143.98	0.02
417	1/9/2021 11:09	1/9/2021 11:09	0:00:09	-46.98	74.06	491.45	-46.71	74.86	491.33	-143.31	0.69
418	1/9/2021 11:24	1/9/2021 11:24	0:00:00	-10.69	119.38	480.64	-10.69	119.38	480.64	-143.99	0.01
419	1/9/2021 11:25	1/9/2021 11:25	0:00:20	-7.70	121.57	480.32	-6.70	122.29	480.24	-143.70	0.30
420	1/9/2021 11:37	1/9/2021 11:37	0:00:29	28.59	149.94	484.97	29.94	151.37	485.41	-142.98	1.02

Table 11 Departure GN 6 Mbps (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)
421	1/9/2021 11:55	1/9/2021 11:56	0:00:20	48.79	-124.08	494.71	48.34	-122.37	494.64	-143.46	0.54
422	1/9/2021 12:11	1/9/2021 12:12	0:00:50	10.47	-72.42	487.08	7.98	-70.60	486.86	-143.25	0.75
423	1/9/2021 12:14	1/9/2021 12:14	0:00:00	1.47	-65.97	486.53	1.47	-65.97	486.53	-143.83	0.17
424	1/9/2021 12:16	1/9/2021 12:17	0:00:39	-5.05	-61.38	486.60	-7.05	-59.95	486.70	-143.26	0.74
425	1/9/2021 12:18	1/9/2021 12:18	0:00:00	-11.04	-57.04	487.01	-11.04	-57.04	487.01	-143.87	0.13
426	1/9/2021 12:44	1/9/2021 12:44	0:00:10	-46.76	50.80	491.38	-46.48	51.59	491.26	-143.05	0.95
427	1/9/2021 12:59	1/9/2021 12:59	0:00:21	-7.28	97.94	480.22	-6.28	98.66	480.14	-143.72	0.28
428	1/9/2021 13:11	1/9/2021 13:12	0:00:21	28.97	126.41	485.00	29.86	127.36	485.30	-143.08	0.92
429	1/9/2021 13:30	1/9/2021 13:30	0:00:09	48.61	-147.28	494.63	48.38	-146.43	494.59	-143.64	0.36
430	1/9/2021 13:45	1/9/2021 13:46	0:00:50	10.05	-96.04	487.09	7.56	-94.22	486.88	-143.21	0.79
431	1/9/2021 13:50	1/9/2021 13:51	0:00:41	-5.47	-85.00	486.70	-7.47	-83.57	486.81	-143.21	0.79
432	1/9/2021 13:52	1/9/2021 13:52	0:00:09	-11.45	-80.66	487.14	-11.95	-80.29	487.19	-143.77	0.23
433	1/9/2021 14:18	1/9/2021 14:18	0:00:20	-46.80	26.74	491.45	-46.24	28.32	491.21	-143.08	0.92
434	1/9/2021 14:33	1/9/2021 14:34	0:00:20	-6.86	74.31	480.17	-5.86	75.03	480.10	-143.72	0.28
435	1/9/2021 14:46	1/9/2021 14:46	0:00:20	29.34	102.88	485.14	30.24	103.84	485.44	-143.19	0.81
436	1/9/2021 15:04	1/9/2021 15:04	0:00:09	48.64	-171.36	494.77	48.42	-170.50	494.73	-143.56	0.44
437	1/9/2021 15:19	1/9/2021 15:20	0:00:50	9.64	-119.66	487.17	7.15	-117.85	486.96	-143.22	0.78
438	1/9/2021 15:25	1/9/2021 15:25	0:00:50	-5.38	-108.99	486.80	-7.88	-107.20	486.94	-143.16	0.84
439	1/9/2021 15:27	1/9/2021 15:27	0:00:09	-11.86	-104.28	487.27	-12.35	-103.91	487.32	-143.67	0.33
440	1/9/2021 15:52	1/9/2021 15:52	0:00:10	-46.57	3.47	491.30	-46.29	4.25	491.18	-143.29	0.71
441	1/9/2021 16:08	1/9/2021 16:08	0:00:19	-6.45	50.68	480.07	-5.45	51.40	480.00	-143.69	0.31
442	1/9/2021 16:20	1/9/2021 16:20	0:00:19	29.71	79.34	485.22	30.60	80.32	485.52	-143.30	0.70
443	1/9/2021 16:38	1/9/2021 16:38	0:00:10	48.46	165.42	494.77	48.22	166.27	494.73	-143.81	0.19
444	1/9/2021 16:54	1/9/2021 16:55	0:00:59	9.73	-143.65	487.25	6.74	-141.49	487.00	-143.24	0.76
445	1/9/2021 16:57	1/9/2021 16:57	0:00:00	0.72	-137.23	486.76	0.72	-137.23	486.76	-143.98	0.02
446	1/9/2021 16:59	1/9/2021 17:00	0:00:50	-5.80	-132.63	486.86	-8.29	-130.83	487.01	-143.16	0.84
447	1/9/2021 17:01	1/9/2021 17:01	0:00:20	-11.77	-128.28	487.30	-12.76	-127.53	487.40	-143.57	0.43
448	1/9/2021 17:26	1/9/2021 17:27	0:00:11	-46.34	-19.81	491.10	-46.06	-19.03	490.97	-143.40	0.60
449	1/9/2021 17:41	1/9/2021 17:41	0:00:00	-9.53	24.53	480.28	-9.53	24.53	480.28	-143.97	0.03
450	1/9/2021 17:42	1/9/2021 17:42	0:00:20	-6.03	27.05	479.96	-5.03	27.77	479.89	-143.76	0.24
451	1/9/2021 17:54	1/9/2021 17:55	0:00:20	30.08	55.82	485.29	30.97	56.80	485.59	-143.40	0.60
452	1/9/2021 18:12	1/9/2021 18:12	0:00:00	48.27	142.20	494.74	48.27	142.20	494.74	-143.66	0.34
453	1/9/2021 18:28	1/9/2021 18:29	0:01:00	9.32	-167.28	487.26	6.32	-165.11	487.03	-143.26	0.74
454	1/9/2021 18:31	1/9/2021 18:31	0:00:00	0.31	-160.86	486.81	0.31	-160.86	486.81	-143.94	0.06
455	1/9/2021 18:33	1/9/2021 18:34	0:00:50	-6.21	-156.26	486.94	-8.71	-154.46	487.09	-143.22	0.78
456	1/9/2021 18:35	1/9/2021 18:36	0:00:21	-12.18	-151.89	487.40	-13.17	-151.15	487.50	-143.50	0.50
457	1/9/2021 19:01	1/9/2021 19:01	0:00:11	-46.11	-43.09	490.98	-45.82	-42.32	490.86	-143.38	0.62
458	1/9/2021 19:16	1/9/2021 19:17	0:00:20	-5.62	3.42	479.88	-4.61	4.14	479.82	-143.79	0.21
459	1/9/2021 19:29	1/9/2021 19:29	0:00:21	30.45	32.30	485.36	31.34	33.28	485.67	-143.51	0.49
460	1/9/2021 19:47	1/9/2021 19:47	0:00:00	48.07	118.98	494.67	48.07	118.98	494.67	-143.91	0.09
461	1/9/2021 20:02	1/9/2021 20:03	0:00:50	8.90	169.10	487.21	6.41	170.90	487.02	-143.27	0.73
462	1/9/2021 20:08	1/9/2021 20:08	0:00:00	-6.63	-179.88	486.96	-6.63	-179.88	486.96	-143.79	0.21
463	1/9/2021 20:08	1/9/2021 20:08	0:00:19	-8.13	-178.81	487.05	-9.12	-178.08	487.12	-143.29	0.71
464	1/9/2021 20:09	1/9/2021 20:10	0:00:21	-12.60	-175.51	487.44	-13.58	-174.76	487.55	-143.45	0.55
465	1/9/2021 20:35	1/9/2021 20:35	0:00:09	-45.87	-66.37	490.85	-45.57	-65.61	490.72	-143.44	0.56
466	1/9/2021 20:51	1/9/2021 20:51	0:00:11	-5.20	-20.20	479.81	-4.70	-19.85	479.78	-143.73	0.27
467	1/9/2021 21:03	1/9/2021 21:03	0:00:00	31.27	9.27	485.61	31.27	9.27	485.61	-143.68	0.32
468	1/9/2021 21:37	1/9/2021 21:38	0:00:50	8.49	145.48	487.18	5.99	147.27	487.00	-143.25	0.75
469	1/9/2021 21:42	1/9/2021 21:42	0:00:00	-7.05	156.49	486.98	-7.05	156.49	486.98	-143.80	0.20
470	1/9/2021 21:42	1/9/2021 21:42	0:00:09	-8.54	157.57	487.08	-9.04	157.93	487.12	-143.37	0.63
471	1/9/2021 21:44	1/9/2021 21:44	0:00:11	-13.01	160.87	487.48	-13.50	161.25	487.54	-143.49	0.51
472	1/9/2021 22:10	1/9/2021 22:10	0:00:00	-45.62	-89.66	490.65	-45.62	-89.66	490.65	-143.77	0.23
473	1/9/2021 22:25	1/9/2021 22:25	0:00:11	-4.78	-43.83	479.71	-4.28	-43.47	479.69	-143.66	0.34
474	1/9/2021 22:38	1/9/2021 22:38	0:00:00	31.64	-14.23	485.72	31.64	-14.23	485.72	-143.89	0.11
475	1/9/2021 23:11	1/9/2021 23:12	0:00:50	8.07	121.85	487.22	5.57	123.65	487.05	-143.26	0.74
476	1/9/2021 23:16	1/9/2021 23:16	0:00:00	-7.46	132.86	487.07	-7.46	132.86	487.07	-143.83	0.17
477	1/9/2021 23:17	1/9/2021 23:17	0:00:11	-8.96	133.95	487.17	-9.46	134.31	487.20	-143.22	0.78
478	1/9/2021 23:18	1/9/2021 23:18	0:00:09	-13.42	137.26	487.58	-13.91	137.64	487.63	-143.30	0.70
479	1/9/2021 23:44	1/9/2021 23:44	0:00:00	-45.37	-112.95	490.52	-45.37	-112.95	490.52	-143.88	0.12
480	1/9/2021 23:58	1/9/2021 23:58	0:00:00	-8.37	-70.33	479.98	-8.37	-70.33	479.98	-143.98	0.02

Table 11 Departure GN 6 Mbps (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)
481	1/9/2021 23:59	1/10/2021 0:00	0:00:10	-4.36	-67.46	479.69	-3.85	-67.10	479.67	-143.62	0.38
482	1/10/2021 0:45	1/10/2021 0:46	0:01:00	8.15	97.87	487.23	5.15	100.02	487.03	-143.27	0.73
483	1/10/2021 0:50	1/10/2021 0:50	0:00:00	-7.88	109.24	487.10	-7.88	109.24	487.10	-143.90	0.10
484	1/10/2021 0:51	1/10/2021 0:51	0:00:11	-9.38	110.32	487.20	-9.87	110.69	487.24	-143.12	0.88
485	1/10/2021 0:53	1/10/2021 0:53	0:00:09	-13.83	113.65	487.63	-14.32	114.03	487.69	-143.19	0.81
486	1/10/2021 1:32	1/10/2021 1:32	0:00:00	-7.95	-93.95	480.06	-7.95	-93.95	480.06	-143.96	0.04
487	1/10/2021 1:34	1/10/2021 1:34	0:00:09	-3.94	-91.09	479.79	-3.44	-90.74	479.77	-143.66	0.34
488	1/10/2021 2:20	1/10/2021 2:20	0:00:59	7.73	74.24	487.09	4.73	76.38	486.90	-143.29	0.71
489	1/10/2021 2:25	1/10/2021 2:26	0:00:21	-9.29	86.33	487.11	-10.29	87.06	487.19	-143.13	0.87
490	1/10/2021 2:27	1/10/2021 2:27	0:00:19	-13.75	89.66	487.55	-14.73	90.41	487.67	-143.33	0.67
491	1/10/2021 3:08	1/10/2021 3:08	0:00:10	-3.53	-114.73	479.92	-3.02	-114.37	479.90	-143.73	0.27
492	1/10/2021 3:26	1/10/2021 3:26	0:00:00	45.16	-64.20	491.04	45.16	-64.20	491.04	-143.91	0.09
493	1/10/2021 3:54	1/10/2021 3:55	0:00:50	7.32	50.61	486.90	4.82	52.40	486.75	-143.27	0.73
494	1/10/2021 3:59	1/10/2021 3:59	0:00:00	-8.21	61.62	486.90	-8.21	61.62	486.90	-143.96	0.04
495	1/10/2021 3:59	1/10/2021 4:00	0:00:20	-9.71	62.71	487.01	-10.70	63.44	487.10	-143.16	0.84
496	1/10/2021 4:01	1/10/2021 4:01	0:00:09	-14.16	66.04	487.48	-14.65	66.42	487.54	-143.50	0.50
497	1/10/2021 4:42	1/10/2021 4:43	0:00:11	-3.11	-138.36	479.94	-2.60	-138.00	479.92	-143.68	0.32
498	1/10/2021 4:55	1/10/2021 4:55	0:00:00	34.78	-106.12	486.93	34.78	-106.12	486.93	-143.94	0.06
499	1/10/2021 5:00	1/10/2021 5:00	0:00:00	45.41	-87.50	491.16	45.41	-87.50	491.16	-143.87	0.13
500	1/10/2021 5:18	1/10/2021 5:18	0:00:00	34.28	2.46	491.46	34.28	2.46	491.46	-143.74	0.26
501	1/10/2021 5:28	1/10/2021 5:29	0:00:50	6.90	26.98	486.82	4.40	28.76	486.68	-143.27	0.73
502	1/10/2021 5:33	1/10/2021 5:33	0:00:00	-8.63	38.00	486.87	-8.63	38.00	486.87	-143.88	0.12
503	1/10/2021 5:34	1/10/2021 5:34	0:00:19	-10.12	39.09	486.99	-11.11	39.82	487.09	-143.21	0.79
504	1/10/2021 5:35	1/10/2021 5:35	0:00:10	-14.57	42.43	487.47	-15.06	42.81	487.53	-143.67	0.33
505	1/10/2021 6:16	1/10/2021 6:17	0:00:21	-3.19	-162.34	479.90	-2.18	-161.63	479.87	-143.58	0.42
506	1/10/2021 6:30	1/10/2021 6:30	0:00:10	34.71	-130.14	486.87	35.13	-129.59	487.02	-143.89	0.11
507	1/10/2021 7:02	1/10/2021 7:03	0:00:59	6.98	3.00	486.85	3.98	5.14	486.68	-143.30	0.70
508	1/10/2021 7:08	1/10/2021 7:08	0:00:00	-9.05	14.37	486.93	-9.05	14.37	486.93	-143.81	0.19
509	1/10/2021 7:08	1/10/2021 7:09	0:00:20	-10.54	15.47	487.05	-11.53	16.20	487.15	-143.30	0.70
510	1/10/2021 7:10	1/10/2021 7:10	0:00:11	-14.98	18.83	487.54	-15.47	19.21	487.60	-143.81	0.19
511	1/10/2021 7:49	1/10/2021 7:49	0:00:00	-6.78	171.18	480.02	-6.78	171.18	480.02	-143.88	0.12
512	1/10/2021 7:51	1/10/2021 7:51	0:00:20	-2.77	174.03	479.80	-1.76	174.74	479.78	-143.49	0.51
513	1/10/2021 7:56	1/10/2021 7:56	0:00:00	12.76	-174.84	480.84	12.76	-174.84	480.84	-143.98	0.02
514	1/10/2021 8:04	1/10/2021 8:04	0:00:00	35.06	-153.61	486.98	35.06	-153.61	486.98	-143.68	0.32
515	1/10/2021 8:37	1/10/2021 8:38	0:01:01	6.57	-20.63	486.94	3.56	-18.49	486.78	-143.34	0.66
516	1/10/2021 8:42	1/10/2021 8:42	0:00:00	-9.46	-9.25	487.07	-9.46	-9.25	487.07	-143.79	0.21
517	1/10/2021 8:43	1/10/2021 8:43	0:00:09	-10.95	-8.15	487.20	-11.45	-7.78	487.25	-143.39	0.61
518	1/10/2021 8:44	1/10/2021 8:44	0:00:00	-15.39	-4.78	487.70	-15.39	-4.78	487.70	-143.84	0.16
519	1/10/2021 9:25	1/10/2021 9:25	0:00:11	-2.35	150.40	479.70	-1.84	150.76	479.69	-143.44	0.56
520	1/10/2021 9:30	1/10/2021 9:30	0:00:00	13.17	161.55	480.82	13.17	161.55	480.82	-143.94	0.06
521	1/10/2021 9:38	1/10/2021 9:38	0:00:10	34.99	-177.62	486.89	35.41	-177.07	487.04	-143.58	0.42
522	1/10/2021 10:01	1/10/2021 10:01	0:00:00	33.64	-68.51	491.45	33.64	-68.51	491.45	-143.96	0.04
523	1/10/2021 10:11	1/10/2021 10:12	0:01:01	6.15	-44.25	487.02	3.14	-42.12	486.89	-143.35	0.65
524	1/10/2021 10:16	1/10/2021 10:16	0:00:00	-9.88	-32.87	487.25	-9.88	-32.87	487.25	-143.84	0.16
525	1/10/2021 10:17	1/10/2021 10:17	0:00:11	-11.37	-31.77	487.39	-11.86	-31.40	487.44	-143.29	0.71
526	1/10/2021 10:18	1/10/2021 10:18	0:00:00	-15.80	-28.39	487.90	-15.80	-28.39	487.90	-143.90	0.10
527	1/10/2021 11:00	1/10/2021 11:00	0:00:09	-1.93	126.77	479.59	-1.42	127.13	479.58	-143.48	0.52
528	1/10/2021 11:05	1/10/2021 11:05	0:00:00	13.58	137.94	480.75	13.58	137.94	480.75	-143.92	0.08
529	1/10/2021 11:12	1/10/2021 11:13	0:00:11	35.34	158.91	486.83	35.76	159.47	486.99	-143.58	0.42
530	1/10/2021 11:45	1/10/2021 11:46	0:00:50	5.73	-67.88	487.03	3.22	-66.10	486.92	-143.35	0.65
531	1/10/2021 11:51	1/10/2021 11:51	0:00:00	-10.30	-56.49	487.34	-10.30	-56.49	487.34	-143.88	0.12
532	1/10/2021 11:51	1/10/2021 11:51	0:00:11	-11.78	-55.38	487.48	-12.28	-55.01	487.54	-143.21	0.79
533	1/10/2021 11:53	1/10/2021 11:53	0:00:00	-16.21	-51.99	488.02	-16.21	-51.99	488.02	-143.97	0.03
534	1/10/2021 12:34	1/10/2021 12:34	0:00:09	-1.51	103.14	479.50	-1.00	103.50	479.49	-143.57	0.43
535	1/10/2021 12:39	1/10/2021 12:39	0:00:00	14.00	114.33	480.73	14.00	114.33	480.73	-143.91	0.09
536	1/10/2021 12:47	1/10/2021 12:47	0:00:10	35.69	135.45	486.86	36.10	136.01	487.02	-143.33	0.67
537	1/10/2021 12:58	1/10/2021 12:58	0:00:00	51.77	-173.93	494.28	51.77	-173.93	494.28	-143.89	0.11
538	1/10/2021 13:20	1/10/2021 13:21	0:00:50	5.30	-91.50	487.06	2.80	-89.73	486.97	-143.37	0.63
539	1/10/2021 13:25	1/10/2021 13:26	0:00:41	-10.71	-80.10	487.46	-12.69	-78.63	487.67	-143.15	0.85
540	1/10/2021 14:08	1/10/2021 14:08	0:00:10	-1.09	79.51	479.48	-0.58	79.87	479.47	-143.52	0.48

Table 11 Departure GN 6 Mbps (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)
541	1/10/2021 14:13	1/10/2021 14:13	0:00:09	13.92	90.34	480.70	14.41	90.72	480.79	-143.93	0.07
542	1/10/2021 14:21	1/10/2021 14:21	0:00:09	36.03	111.99	487.03	36.44	112.56	487.19	-143.15	0.85
543	1/10/2021 14:32	1/10/2021 14:32	0:00:00	51.77	161.99	494.39	51.77	161.99	494.39	-143.94	0.06
544	1/10/2021 14:54	1/10/2021 14:55	0:00:51	4.89	-115.13	487.16	2.38	-113.36	487.08	-143.41	0.59
545	1/10/2021 14:59	1/10/2021 15:00	0:00:50	-10.63	-104.09	487.56	-13.10	-102.24	487.81	-143.14	0.86
546	1/10/2021 15:42	1/10/2021 15:43	0:00:20	-1.17	55.53	479.42	-0.16	56.23	479.41	-143.41	0.59
547	1/10/2021 15:47	1/10/2021 15:48	0:00:10	14.33	66.73	480.72	14.82	67.11	480.81	-143.87	0.13
548	1/10/2021 15:55	1/10/2021 15:56	0:00:11	35.96	87.97	486.96	36.37	88.54	487.12	-143.39	0.61
549	1/10/2021 16:06	1/10/2021 16:06	0:00:00	51.78	138.88	494.44	51.78	138.88	494.44	-143.80	0.20
550	1/10/2021 16:28	1/10/2021 16:29	0:00:50	4.47	-138.77	487.21	1.96	-137.00	487.13	-143.41	0.59
551	1/10/2021 16:33	1/10/2021 16:34	0:00:50	-11.04	-127.71	487.64	-13.51	-125.86	487.90	-143.16	0.84
552	1/10/2021 17:17	1/10/2021 17:17	0:00:21	-0.75	31.90	479.33	0.26	32.60	479.33	-143.36	0.64
553	1/10/2021 17:22	1/10/2021 17:22	0:00:11	14.74	43.12	480.73	15.23	43.50	480.82	-143.78	0.22
554	1/10/2021 17:30	1/10/2021 17:30	0:00:09	36.31	64.52	487.04	36.71	65.08	487.20	-143.68	0.32
555	1/10/2021 18:03	1/10/2021 18:03	0:00:50	4.05	-162.40	487.24	1.55	-160.63	487.17	-143.39	0.61
556	1/10/2021 18:08	1/10/2021 18:09	0:00:50	-11.46	-151.33	487.73	-13.92	-149.47	488.00	-143.14	0.86
557	1/10/2021 18:51	1/10/2021 18:51	0:00:20	-0.33	8.26	479.28	0.68	8.97	479.28	-143.42	0.58
558	1/10/2021 18:56	1/10/2021 18:56	0:00:00	15.15	19.51	480.75	15.15	19.51	480.75	-143.68	0.32
559	1/10/2021 19:04	1/10/2021 19:04	0:00:09	36.65	41.06	487.13	37.05	41.64	487.28	-143.88	0.12
560	1/10/2021 19:37	1/10/2021 19:38	0:00:39	3.63	173.98	487.22	1.63	175.39	487.17	-143.36	0.64
561	1/10/2021 19:42	1/10/2021 19:43	0:00:50	-11.87	-174.95	487.77	-14.34	-173.08	488.05	-143.12	0.88
562	1/10/2021 20:25	1/10/2021 20:26	0:00:20	0.09	-15.37	479.24	1.10	-14.66	479.25	-143.51	0.49
563	1/10/2021 20:26	1/10/2021 20:26	0:00:00	3.61	-12.89	479.33	3.61	-12.89	479.33	-143.87	0.13
564	1/10/2021 20:31	1/10/2021 20:31	0:00:00	15.56	-4.09	480.79	15.56	-4.09	480.79	-143.58	0.42
565	1/10/2021 20:38	1/10/2021 20:38	0:00:00	36.99	17.62	487.23	36.99	17.62	487.23	-143.95	0.05
566	1/10/2021 21:11	1/10/2021 21:12	0:00:39	3.21	150.35	487.21	1.21	151.76	487.16	-143.37	0.63
567	1/10/2021 21:16	1/10/2021 21:17	0:01:00	-11.79	161.07	487.76	-14.75	163.31	488.09	-143.12	0.88
568	1/10/2021 22:00	1/10/2021 22:00	0:00:09	0.52	-38.99	479.17	1.02	-38.64	479.18	-143.57	0.43
569	1/10/2021 22:01	1/10/2021 22:01	0:00:10	3.53	-36.87	479.26	4.04	-36.51	479.29	-143.93	0.07
570	1/10/2021 22:05	1/10/2021 22:05	0:00:00	15.97	-27.69	480.83	15.97	-27.69	480.83	-143.52	0.48
571	1/10/2021 22:46	1/10/2021 22:46	0:00:50	3.29	126.37	487.27	0.78	128.13	487.22	-143.41	0.59
572	1/10/2021 22:51	1/10/2021 22:52	0:00:59	-12.21	137.45	487.85	-15.16	139.71	488.19	-142.97	1.03
573	1/10/2021 23:34	1/10/2021 23:34	0:00:19	0.44	-62.97	479.17	1.44	-62.27	479.18	-143.49	0.51
574	1/10/2021 23:35	1/10/2021 23:35	0:00:00	3.96	-60.49	479.28	3.96	-60.49	479.28	-143.93	0.07
575	1/10/2021 23:39	1/10/2021 23:39	0:00:09	15.90	-51.68	480.81	16.39	-51.29	480.91	-143.69	0.31
576	1/11/2021 0:20	1/11/2021 0:21	0:00:50	2.87	102.74	487.27	0.36	104.50	487.23	-143.45	0.55
577	1/11/2021 0:22	1/11/2021 0:22	0:00:00	-3.65	107.33	487.28	-3.65	107.33	487.28	-143.97	0.03
578	1/11/2021 0:25	1/11/2021 0:26	0:00:50	-12.62	113.84	487.90	-15.08	115.72	488.19	-142.81	1.19
579	1/11/2021 1:08	1/11/2021 1:09	0:00:20	0.86	-86.61	479.29	1.86	-85.90	479.31	-143.46	0.54
580	1/11/2021 1:09	1/11/2021 1:09	0:00:11	3.88	-84.48	479.38	4.38	-84.12	479.41	-143.88	0.12
581	1/11/2021 1:13	1/11/2021 1:13	0:00:09	16.30	-75.28	480.99	16.79	-74.90	481.09	-143.84	0.16
582	1/11/2021 1:54	1/11/2021 1:55	0:00:50	2.45	79.10	487.16	-0.06	80.87	487.13	-143.42	0.58
583	1/11/2021 1:56	1/11/2021 1:56	0:00:00	-4.07	83.70	487.20	-4.07	83.70	487.20	-143.98	0.02
584	1/11/2021 1:59	1/11/2021 2:00	0:00:50	-13.04	90.22	487.88	-15.49	92.11	488.18	-142.69	1.31
585	1/11/2021 2:29	1/11/2021 2:29	0:00:00	-38.29	-146.11	487.88	-38.29	-146.11	487.88	-143.88	0.12
586	1/11/2021 2:43	1/11/2021 2:43	0:00:20	1.28	-110.24	479.43	2.28	-109.53	479.45	-143.47	0.53
587	1/11/2021 2:43	1/11/2021 2:44	0:00:11	4.29	-108.11	479.53	4.79	-107.76	479.56	-143.85	0.15
588	1/11/2021 2:48	1/11/2021 2:48	0:00:10	16.71	-98.89	481.15	17.20	-98.50	481.25	-143.87	0.13
589	1/11/2021 3:28	1/11/2021 3:29	0:00:41	2.03	55.47	486.99	0.02	56.88	486.97	-143.36	0.64
590	1/11/2021 3:34	1/11/2021 3:34	0:00:49	-13.45	66.61	487.80	-15.90	68.51	488.12	-142.60	1.40
591	1/11/2021 4:03	1/11/2021 4:03	0:00:09	-38.35	-170.13	487.93	-37.96	-169.54	487.77	-143.78	0.22
592	1/11/2021 4:17	1/11/2021 4:17	0:00:21	1.70	-133.87	479.48	2.70	-133.16	479.50	-143.51	0.49
593	1/11/2021 4:18	1/11/2021 4:18	0:00:11	4.71	-131.74	479.59	5.21	-131.39	479.62	-143.82	0.18
594	1/11/2021 4:22	1/11/2021 4:22	0:00:00	17.12	-122.49	481.26	17.12	-122.49	481.26	-143.87	0.13
595	1/11/2021 5:03	1/11/2021 5:03	0:00:40	1.61	31.84	486.93	-0.40	33.25	486.92	-143.36	0.64
596	1/11/2021 5:08	1/11/2021 5:09	0:01:01	-13.37	42.62	487.73	-16.31	44.90	488.11	-142.54	1.46
597	1/11/2021 5:37	1/11/2021 5:37	0:00:09	-38.03	166.44	487.74	-37.63	167.03	487.58	-143.80	0.20
598	1/11/2021 5:51	1/11/2021 5:51	0:00:20	2.12	-157.50	479.45	3.13	-156.79	479.48	-143.59	0.41
599	1/11/2021 5:52	1/11/2021 5:52	0:00:09	5.13	-155.37	479.58	5.64	-155.01	479.62	-143.84	0.16
600	1/11/2021 5:56	1/11/2021 5:56	0:00:00	17.53	-146.09	481.32	17.53	-146.09	481.32	-143.90	0.10

Table 11 Departure GN 6 Mbps (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)
601	1/11/2021 6:37	1/11/2021 6:38	0:00:39	1.19	8.21	486.94	-0.82	9.62	486.94	-143.40	0.60
602	1/11/2021 6:42	1/11/2021 6:43	0:01:01	-13.78	19.01	487.79	-16.72	21.30	488.18	-142.53	1.47
603	1/11/2021 7:11	1/11/2021 7:11	0:00:09	-38.09	142.43	487.68	-37.69	143.02	487.52	-143.61	0.39
604	1/11/2021 7:26	1/11/2021 7:26	0:00:19	2.54	178.88	479.38	3.55	179.59	479.42	-143.58	0.42
605	1/11/2021 7:27	1/11/2021 7:27	0:00:09	5.56	-178.99	479.54	6.06	-178.63	479.58	-143.91	0.09
606	1/11/2021 7:31	1/11/2021 7:31	0:00:00	17.94	-169.68	481.35	17.94	-169.68	481.35	-143.96	0.04
607	1/11/2021 7:39	1/11/2021 7:39	0:00:00	40.43	-144.49	488.59	40.43	-144.49	488.59	-143.86	0.14
608	1/11/2021 8:11	1/11/2021 8:12	0:00:49	1.27	-15.77	487.05	-1.24	-14.00	487.05	-143.43	0.57
609	1/11/2021 8:17	1/11/2021 8:17	0:00:59	-14.20	-4.60	487.95	-17.13	-2.29	488.34	-142.57	1.43
610	1/11/2021 8:45	1/11/2021 8:46	0:00:10	-37.75	119.00	487.49	-37.36	119.58	487.33	-143.51	0.49
611	1/11/2021 9:00	1/11/2021 9:00	0:00:20	2.47	154.90	479.30	3.47	155.60	479.33	-143.52	0.48
612	1/11/2021 9:01	1/11/2021 9:01	0:00:00	5.98	157.39	479.48	5.98	157.39	479.48	-143.92	0.08
613	1/11/2021 9:14	1/11/2021 9:14	0:00:00	40.74	-167.88	488.67	40.74	-167.88	488.67	-143.67	0.33
614	1/11/2021 9:46	1/11/2021 9:47	0:00:50	0.84	-39.39	487.17	-1.67	-37.63	487.19	-143.43	0.57
615	1/11/2021 9:51	1/11/2021 9:52	0:00:59	-14.61	-28.20	488.15	-17.54	-25.89	488.55	-142.49	1.51
616	1/11/2021 10:20	1/11/2021 10:20	0:00:11	-37.42	95.56	487.40	-37.02	96.14	487.24	-143.58	0.42
617	1/11/2021 10:34	1/11/2021 10:34	0:00:19	2.89	131.27	479.19	3.89	131.98	479.23	-143.50	0.50
618	1/11/2021 10:35	1/11/2021 10:35	0:00:00	6.40	133.76	479.39	6.40	133.76	479.39	-143.88	0.12
619	1/11/2021 10:48	1/11/2021 10:48	0:00:00	41.05	168.74	488.62	41.05	168.74	488.62	-143.65	0.35
620	1/11/2021 11:20	1/11/2021 11:21	0:00:50	0.42	-63.02	487.22	-2.09	-61.26	487.24	-143.40	0.60
621	1/11/2021 11:25	1/11/2021 11:26	0:01:10	-14.54	-52.19	488.20	-17.95	-49.49	488.68	-142.29	1.71
622	1/11/2021 11:54	1/11/2021 11:54	0:00:21	-37.49	71.54	487.44	-36.68	72.70	487.12	-143.38	0.62
623	1/11/2021 12:08	1/11/2021 12:09	0:00:20	3.31	107.64	479.12	4.31	108.35	479.17	-143.51	0.49
624	1/11/2021 12:10	1/11/2021 12:10	0:00:00	6.82	110.14	479.34	6.82	110.14	479.34	-143.82	0.18
625	1/11/2021 12:22	1/11/2021 12:22	0:00:09	40.99	144.71	488.48	41.35	145.37	488.63	-143.69	0.31
626	1/11/2021 12:54	1/11/2021 12:55	0:00:41	-0.01	-86.65	487.28	-2.01	-85.24	487.31	-143.39	0.61
627	1/11/2021 12:59	1/11/2021 13:01	0:01:10	-14.95	-75.79	488.34	-18.36	-73.08	488.84	-142.10	1.90
628	1/11/2021 13:28	1/11/2021 13:29	0:00:11	-37.15	48.11	487.33	-36.74	48.68	487.17	-143.23	0.77
629	1/11/2021 13:43	1/11/2021 13:43	0:00:21	3.73	84.01	479.12	4.74	84.72	479.17	-143.58	0.42
630	1/11/2021 13:44	1/11/2021 13:44	0:00:00	7.24	86.51	479.35	7.24	86.51	479.35	-143.78	0.22
631	1/11/2021 13:56	1/11/2021 13:57	0:00:11	41.30	121.34	488.67	41.65	122.00	488.82	-143.73	0.27
632	1/11/2021 14:29	1/11/2021 14:29	0:00:41	-0.43	-110.28	487.39	-2.43	-108.87	487.43	-143.40	0.60
633	1/11/2021 14:34	1/11/2021 14:35	0:01:00	-15.36	-99.40	488.49	-18.28	-97.07	488.92	-141.95	2.05
634	1/11/2021 15:02	1/11/2021 15:03	0:00:21	-37.21	24.08	487.31	-36.40	25.23	486.99	-143.26	0.74
635	1/11/2021 15:17	1/11/2021 15:17	0:00:21	4.15	60.38	479.08	5.16	61.10	479.14	-143.64	0.36
636	1/11/2021 15:18	1/11/2021 15:18	0:00:00	7.66	62.89	479.34	7.66	62.89	479.34	-143.79	0.21
637	1/11/2021 15:31	1/11/2021 15:31	0:00:11	41.60	97.96	488.75	41.95	98.63	488.91	-143.76	0.24
638	1/11/2021 16:03	1/11/2021 16:04	0:00:39	-0.85	-133.91	487.46	-2.85	-132.50	487.50	-143.43	0.57
639	1/11/2021 16:08	1/11/2021 16:09	0:01:01	-15.77	-123.01	488.58	-18.69	-120.66	489.00	-141.95	2.05
640	1/11/2021 16:37	1/11/2021 16:37	0:00:20	-36.88	0.64	487.07	-36.06	1.77	486.75	-143.18	0.82
641	1/11/2021 16:51	1/11/2021 16:52	0:00:30	4.07	36.40	479.00	5.58	37.47	479.09	-143.59	0.41
642	1/11/2021 16:52	1/11/2021 16:52	0:00:00	8.08	39.27	479.31	8.08	39.27	479.31	-143.84	0.16
643	1/11/2021 17:05	1/11/2021 17:05	0:00:09	41.90	74.59	488.83	42.25	75.27	488.98	-143.75	0.25
644	1/11/2021 17:37	1/11/2021 17:38	0:00:50	-0.77	-157.89	487.51	-3.27	-156.13	487.56	-143.44	0.56
645	1/11/2021 17:42	1/11/2021 17:43	0:01:00	-16.18	-146.61	488.69	-19.09	-144.26	489.12	-142.09	1.91
646	1/11/2021 18:11	1/11/2021 18:11	0:00:19	-36.54	-22.81	486.91	-35.72	-21.68	486.59	-142.97	1.03
647	1/11/2021 18:25	1/11/2021 18:26	0:00:20	4.49	12.77	478.98	5.50	13.49	479.04	-143.53	0.47
648	1/11/2021 18:27	1/11/2021 18:27	0:00:09	8.00	15.28	479.25	8.50	15.64	479.30	-143.96	0.04
649	1/11/2021 18:39	1/11/2021 18:39	0:00:20	41.84	50.56	488.77	42.54	51.91	489.07	-143.74	0.26
650	1/11/2021 19:12	1/11/2021 19:12	0:00:50	-1.19	178.48	487.51	-3.70	-179.76	487.57	-143.42	0.58
651	1/11/2021 19:16	1/11/2021 19:18	0:01:10	-16.10	-170.60	488.68	-19.50	-167.84	489.19	-142.25	1.75
652	1/11/2021 19:46	1/11/2021 19:46	0:00:19	-36.19	-46.26	486.75	-35.37	-45.14	486.43	-142.91	1.09
653	1/11/2021 20:00	1/11/2021 20:00	0:00:20	4.92	-10.85	478.97	5.92	-10.14	479.03	-143.53	0.47
654	1/11/2021 20:01	1/11/2021 20:01	0:00:00	8.42	-8.34	479.25	8.42	-8.34	479.25	-143.88	0.12
655	1/11/2021 20:14	1/11/2021 20:14	0:00:19	42.14	27.20	488.86	42.83	28.56	489.16	-143.74	0.26
656	1/11/2021 20:46	1/11/2021 20:47	0:00:50	-1.61	154.85	487.51	-4.12	156.62	487.58	-143.40	0.60
657	1/11/2021 20:51	1/11/2021 20:52	0:01:09	-16.51	165.81	488.72	-19.90	168.57	489.24	-142.19	1.81
658	1/11/2021 21:20	1/11/2021 21:20	0:00:20	-36.26	-70.27	486.69	-35.43	-69.15	486.36	-143.10	0.90
659	1/11/2021 21:34	1/11/2021 21:34	0:00:19	5.34	-34.47	478.93	6.35	-33.76	479.00	-143.60	0.40
660	1/11/2021 21:35	1/11/2021 21:35	0:00:00	8.85	-31.96	479.24	8.85	-31.96	479.24	-143.79	0.21

Table 11 Departure GN 6 Mbps (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)
661	1/11/2021 21:48	1/11/2021 21:48	0:00:20	42.44	3.85	489.00	43.12	5.23	489.30	-143.74	0.26
662	1/11/2021 22:20	1/11/2021 22:21	0:00:41	-2.04	131.22	487.58	-4.04	132.64	487.64	-143.41	0.59
663	1/11/2021 22:25	1/11/2021 22:26	0:01:10	-16.93	142.21	488.83	-20.31	144.99	489.34	-142.06	1.94
664	1/11/2021 22:54	1/11/2021 22:54	0:00:20	-35.91	-93.72	486.52	-35.08	-92.61	486.20	-142.83	1.17
665	1/11/2021 23:09	1/11/2021 23:09	0:00:20	5.77	-58.10	478.95	6.77	-57.38	479.03	-143.66	0.34
666	1/11/2021 23:10	1/11/2021 23:10	0:00:00	9.27	-55.57	479.28	9.27	-55.57	479.28	-143.69	0.31
667	1/11/2021 23:22	1/11/2021 23:23	0:00:21	42.73	-19.49	489.16	43.41	-18.11	489.45	-143.73	0.27
668	1/11/2021 23:54	1/11/2021 23:55	0:00:41	-2.46	107.60	487.60	-4.47	109.01	487.67	-143.42	0.58
669	1/12/2021 0:00	1/12/2021 0:01	0:01:10	-17.34	118.61	488.90	-20.72	121.41	489.42	-141.97	2.03
670	1/12/2021 0:28	1/12/2021 0:29	0:00:20	-35.56	-117.18	486.50	-34.72	-116.08	486.18	-142.57	1.43
671	1/12/2021 0:43	1/12/2021 0:43	0:00:21	6.19	-81.72	479.09	7.19	-81.01	479.17	-143.69	0.31
672	1/12/2021 0:44	1/12/2021 0:44	0:00:00	9.69	-79.19	479.44	9.69	-79.19	479.44	-143.65	0.35
673	1/12/2021 0:56	1/12/2021 0:57	0:00:20	43.01	-42.84	489.32	43.68	-41.44	489.62	-143.71	0.29
674	1/12/2021 1:29	1/12/2021 1:30	0:00:51	-2.38	83.61	487.50	-4.89	85.38	487.60	-143.43	0.57
675	1/12/2021 1:34	1/12/2021 1:35	0:01:01	-17.75	95.01	488.90	-20.64	97.42	489.37	-141.98	2.02
676	1/12/2021 2:03	1/12/2021 2:03	0:00:21	-35.21	-140.65	486.58	-34.37	-139.56	486.26	-142.73	1.27
677	1/12/2021 2:17	1/12/2021 2:17	0:00:20	6.11	-105.71	479.20	7.11	-104.99	479.28	-143.65	0.35
678	1/12/2021 2:18	1/12/2021 2:18	0:00:00	10.11	-102.82	479.59	10.11	-102.82	479.59	-143.83	0.17
679	1/12/2021 2:31	1/12/2021 2:31	0:00:20	43.29	-66.19	489.37	43.95	-64.77	489.66	-143.69	0.31
680	1/12/2021 3:03	1/12/2021 3:04	0:00:50	-2.81	59.98	487.37	-5.31	61.76	487.48	-143.42	0.58
681	1/12/2021 3:08	1/12/2021 3:09	0:01:01	-18.16	71.42	488.85	-21.04	73.83	489.33	-142.03	1.97
682	1/12/2021 3:37	1/12/2021 3:37	0:00:11	-34.86	-164.11	486.49	-34.44	-163.57	486.33	-143.01	0.99
683	1/12/2021 3:51	1/12/2021 3:52	0:00:21	6.53	-129.34	479.28	7.53	-128.62	479.36	-143.65	0.35
684	1/12/2021 4:05	1/12/2021 4:05	0:00:09	43.57	-89.53	489.50	43.90	-88.82	489.64	-143.66	0.34
685	1/12/2021 4:37	1/12/2021 4:38	0:00:50	-3.23	36.35	487.32	-5.73	38.13	487.44	-143.41	0.59
686	1/12/2021 4:43	1/12/2021 4:44	0:01:00	-18.56	47.82	488.85	-21.45	50.25	489.33	-142.11	1.89
687	1/12/2021 5:09	1/12/2021 5:09	0:00:00	-40.47	163.63	488.68	-40.47	163.63	488.68	-143.63	0.37
688	1/12/2021 5:11	1/12/2021 5:12	0:00:21	-34.92	171.88	486.46	-34.08	172.96	486.14	-142.75	1.25
689	1/12/2021 5:26	1/12/2021 5:26	0:00:20	6.95	-152.96	479.28	7.95	-152.24	479.37	-143.67	0.33
690	1/12/2021 5:27	1/12/2021 5:27	0:00:00	10.45	-150.42	479.64	10.45	-150.42	479.64	-143.96	0.04
691	1/12/2021 5:40	1/12/2021 5:40	0:00:09	43.85	-112.85	489.59	44.18	-112.13	489.73	-143.63	0.37
692	1/12/2021 6:12	1/12/2021 6:12	0:00:39	-3.65	12.73	487.35	-5.66	14.15	487.44	-143.40	0.60
693	1/12/2021 6:17	1/12/2021 6:18	0:00:59	-18.97	24.24	488.92	-21.85	26.68	489.41	-142.23	1.77
694	1/12/2021 6:43	1/12/2021 6:43	0:00:00	-40.15	140.25	488.47	-40.15	140.25	488.47	-143.87	0.13
695	1/12/2021 6:45	1/12/2021 6:46	0:00:20	-34.57	148.41	486.24	-33.72	149.48	485.92	-142.64	1.36
696	1/12/2021 7:00	1/12/2021 7:00	0:00:19	7.38	-176.58	479.25	8.38	-175.86	479.34	-143.71	0.29
697	1/12/2021 7:01	1/12/2021 7:01	0:00:00	10.87	-174.03	479.64	10.87	-174.03	479.64	-143.90	0.10
698	1/12/2021 7:14	1/12/2021 7:14	0:00:10	44.13	-136.16	489.70	44.45	-135.44	489.84	-143.64	0.36
699	1/12/2021 7:46	1/12/2021 7:47	0:00:39	-4.08	-10.89	487.47	-6.08	-9.47	487.57	-143.41	0.59
700	1/12/2021 7:51	1/12/2021 7:52	0:01:09	-18.90	0.25	489.00	-22.25	3.11	489.57	-142.20	1.80
701	1/12/2021 8:20	1/12/2021 8:20	0:00:19	-34.21	124.94	486.03	-33.36	126.00	485.71	-142.84	1.16
702	1/12/2021 8:34	1/12/2021 8:35	0:00:19	7.80	159.80	479.20	8.80	160.53	479.30	-143.76	0.24
703	1/12/2021 8:35	1/12/2021 8:35	0:00:00	11.29	162.36	479.61	11.29	162.36	479.61	-143.91	0.09
704	1/12/2021 8:48	1/12/2021 8:48	0:00:11	44.40	-159.47	489.79	44.72	-158.74	489.94	-143.66	0.34
705	1/12/2021 9:20	1/12/2021 9:21	0:00:41	-4.50	-34.52	487.62	-6.50	-33.09	487.73	-143.43	0.57
706	1/12/2021 9:25	1/12/2021 9:27	0:01:10	-19.31	-23.34	489.22	-22.65	-20.46	489.80	-142.11	1.89
707	1/12/2021 9:52	1/12/2021 9:52	0:00:00	-39.89	92.83	488.35	-39.89	92.83	488.35	-143.77	0.23
708	1/12/2021 9:54	1/12/2021 9:54	0:00:09	-33.85	101.46	485.92	-33.43	101.99	485.75	-143.06	0.94
709	1/12/2021 10:09	1/12/2021 10:09	0:00:20	8.22	136.18	479.12	9.22	136.91	479.22	-143.75	0.25
710	1/12/2021 10:23	1/12/2021 10:23	0:00:10	44.67	177.22	489.74	44.98	177.96	489.88	-143.61	0.39
711	1/12/2021 10:55	1/12/2021 10:55	0:00:50	-4.43	-58.50	487.67	-6.93	-56.72	487.82	-143.43	0.57
712	1/12/2021 11:00	1/12/2021 11:01	0:01:11	-19.72	-46.92	489.36	-23.05	-44.03	489.95	-142.06	1.94
713	1/12/2021 11:26	1/12/2021 11:26	0:00:00	-39.57	69.43	488.24	-39.57	69.43	488.24	-143.68	0.32
714	1/12/2021 11:28	1/12/2021 11:29	0:00:19	-33.92	77.46	485.95	-33.07	78.51	485.62	-142.92	1.08
715	1/12/2021 11:43	1/12/2021 11:43	0:00:11	8.65	112.56	479.06	9.15	112.93	479.11	-143.73	0.27
716	1/12/2021 11:57	1/12/2021 11:57	0:00:00	44.94	153.92	489.73	44.94	153.92	489.73	-143.56	0.44
717	1/12/2021 12:29	1/12/2021 12:30	0:00:50	-4.85	-82.12	487.76	-7.35	-80.33	487.92	-143.42	0.58
718	1/12/2021 12:34	1/12/2021 12:35	0:01:01	-20.13	-70.50	489.52	-22.98	-68.02	490.03	-142.05	1.95
719	1/12/2021 13:00	1/12/2021 13:00	0:00:00	-39.25	46.03	488.14	-39.25	46.03	488.14	-144.00	0.00
720	1/12/2021 13:03	1/12/2021 13:03	0:00:20	-33.56	53.98	485.84	-32.70	55.02	485.51	-142.88	1.12

Table 11 Departure GN 6 Mbps (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)
721	1/12/2021 13:17	1/12/2021 13:18	0:00:20	8.57	88.58	479.04	9.57	89.31	479.14	-143.73	0.27
722	1/12/2021 13:31	1/12/2021 13:31	0:00:00	45.19	130.63	489.93	45.19	130.63	489.93	-143.49	0.51
723	1/12/2021 14:03	1/12/2021 14:04	0:00:41	-5.27	-105.75	487.89	-7.27	-104.32	488.02	-143.42	0.58
724	1/12/2021 14:08	1/12/2021 14:09	0:01:01	-20.53	-94.09	489.68	-23.38	-91.59	490.19	-142.07	1.93
725	1/12/2021 14:34	1/12/2021 14:34	0:00:00	-39.31	22.00	488.12	-39.31	22.00	488.12	-143.94	0.06
726	1/12/2021 14:37	1/12/2021 14:37	0:00:20	-33.20	30.49	485.65	-32.33	31.52	485.33	-142.98	1.02
727	1/12/2021 14:51	1/12/2021 14:52	0:00:21	8.99	64.96	479.03	9.99	65.69	479.14	-143.75	0.25
728	1/12/2021 15:05	1/12/2021 15:05	0:00:00	45.45	107.34	490.01	45.45	107.34	490.01	-143.50	0.50
729	1/12/2021 15:38	1/12/2021 15:38	0:00:39	-5.69	-129.37	487.97	-7.69	-127.94	488.10	-143.43	0.57
730	1/12/2021 15:43	1/12/2021 15:44	0:00:59	-20.93	-117.67	489.77	-23.77	-115.16	490.28	-142.14	1.86
731	1/12/2021 16:09	1/12/2021 16:09	0:00:00	-38.99	-1.41	487.89	-38.99	-1.41	487.89	-143.72	0.28
732	1/12/2021 16:11	1/12/2021 16:12	0:00:21	-32.84	7.00	485.42	-31.97	8.02	485.09	-143.11	0.89
733	1/12/2021 16:26	1/12/2021 16:26	0:00:20	9.41	41.34	479.00	10.41	42.07	479.12	-143.79	0.21
734	1/12/2021 16:40	1/12/2021 16:40	0:00:00	45.70	84.06	490.08	45.70	84.06	490.08	-143.75	0.25
735	1/12/2021 17:12	1/12/2021 17:12	0:00:39	-6.12	-153.00	488.04	-8.11	-151.56	488.19	-143.45	0.55
736	1/12/2021 17:17	1/12/2021 17:18	0:00:59	-21.33	-141.25	489.89	-24.17	-138.72	490.40	-142.27	1.73
737	1/12/2021 17:43	1/12/2021 17:43	0:00:00	-38.66	-24.82	487.72	-38.66	-24.82	487.72	-143.73	0.27
738	1/12/2021 17:46	1/12/2021 17:46	0:00:11	-32.47	-16.49	485.24	-32.04	-15.98	485.08	-143.11	0.89
739	1/12/2021 18:00	1/12/2021 18:00	0:00:19	9.83	17.73	479.00	10.83	18.46	479.13	-143.82	0.18
740	1/12/2021 18:46	1/12/2021 18:47	0:00:50	-6.04	-176.98	488.04	-8.54	-175.18	488.22	-143.46	0.54
741	1/12/2021 18:51	1/12/2021 18:52	0:01:09	-21.26	-165.24	489.88	-24.57	-162.28	490.48	-142.22	1.78
742	1/12/2021 19:18	1/12/2021 19:18	0:00:00	-38.33	-48.24	487.56	-38.33	-48.24	487.56	-143.98	0.02
743	1/12/2021 19:20	1/12/2021 19:20	0:00:20	-32.54	-40.49	485.24	-31.67	-39.48	484.92	-143.05	0.95
744	1/12/2021 19:35	1/12/2021 19:35	0:00:20	10.26	-5.89	479.02	11.25	-5.15	479.15	-143.81	0.19
745	1/12/2021 20:20	1/12/2021 20:21	0:00:50	-6.47	159.40	488.05	-8.96	161.20	488.24	-143.45	0.55
746	1/12/2021 20:26	1/12/2021 20:27	0:01:10	-21.66	171.19	489.93	-24.96	174.17	490.53	-142.13	1.87
747	1/12/2021 20:52	1/12/2021 20:52	0:00:00	-38.39	-72.25	487.50	-38.39	-72.25	487.50	-143.81	0.19
748	1/12/2021 20:54	1/12/2021 20:54	0:00:20	-32.17	-63.98	485.02	-31.29	-62.98	484.70	-143.08	0.92
749	1/12/2021 21:09	1/12/2021 21:09	0:00:09	10.68	-29.50	479.02	11.18	-29.13	479.09	-143.79	0.21
750	1/12/2021 21:14	1/12/2021 21:14	0:00:00	24.28	-18.43	481.90	24.28	-18.43	481.90	-143.96	0.04
751	1/12/2021 21:55	1/12/2021 21:56	0:00:50	-6.89	135.78	488.14	-9.38	137.58	488.34	-143.45	0.55
752	1/12/2021 22:00	1/12/2021 22:01	0:01:11	-22.07	147.62	490.04	-25.36	150.61	490.64	-142.05	1.95
753	1/12/2021 22:26	1/12/2021 22:26	0:00:00	-38.05	-95.67	487.33	-38.05	-95.67	487.33	-143.67	0.33
754	1/12/2021 22:29	1/12/2021 22:29	0:00:19	-31.79	-87.48	484.86	-30.91	-86.48	484.53	-143.15	0.85
755	1/12/2021 22:43	1/12/2021 22:43	0:00:20	10.61	-53.48	479.00	11.60	-52.74	479.13	-143.80	0.20
756	1/12/2021 22:48	1/12/2021 22:48	0:00:00	24.68	-41.98	482.01	24.68	-41.98	482.01	-143.87	0.13
757	1/12/2021 23:29	1/12/2021 23:30	0:00:41	-7.32	112.16	488.18	-9.31	113.60	488.34	-143.45	0.55
758	1/12/2021 23:34	1/12/2021 23:35	0:01:01	-22.47	124.05	490.12	-25.29	126.62	490.64	-142.02	1.98
759	1/13/2021 0:00	1/13/2021 0:00	0:00:00	-37.72	-119.10	487.30	-37.72	-119.10	487.30	-143.71	0.29
760	1/13/2021 0:03	1/13/2021 0:03	0:00:20	-31.42	-110.98	484.83	-30.54	-109.99	484.50	-143.23	0.77
761	1/13/2021 0:17	1/13/2021 0:18	0:00:20	11.03	-77.10	479.15	12.02	-76.36	479.29	-143.83	0.17
762	1/13/2021 0:22	1/13/2021 0:22	0:00:00	25.07	-65.54	482.20	25.07	-65.54	482.20	-143.81	0.19
763	1/13/2021 1:03	1/13/2021 1:04	0:00:41	-7.74	88.54	488.13	-9.73	89.98	488.30	-143.47	0.53
764	1/13/2021 1:09	1/13/2021 1:10	0:01:00	-22.87	100.48	490.17	-25.68	103.07	490.70	-142.04	1.96
765	1/13/2021 1:35	1/13/2021 1:35	0:00:00	-37.38	-142.54	487.37	-37.38	-142.54	487.37	-143.88	0.12
766	1/13/2021 1:37	1/13/2021 1:37	0:00:10	-31.05	-134.49	484.91	-30.61	-134.00	484.75	-143.18	0.82
767	1/13/2021 1:52	1/13/2021 1:52	0:00:21	11.45	-100.72	479.31	12.44	-99.97	479.45	-143.86	0.14
768	1/13/2021 1:57	1/13/2021 1:57	0:00:00	25.46	-89.10	482.36	25.46	-89.10	482.36	-143.84	0.16
769	1/13/2021 2:37	1/13/2021 2:38	0:00:50	-7.66	64.55	487.99	-10.15	66.36	488.21	-143.49	0.51
770	1/13/2021 2:43	1/13/2021 2:44	0:00:59	-23.27	76.91	490.14	-26.08	79.52	490.69	-142.22	1.78
771	1/13/2021 3:09	1/13/2021 3:09	0:00:00	-37.44	-166.55	487.45	-37.44	-166.55	487.45	-143.74	0.26
772	1/13/2021 3:11	1/13/2021 3:12	0:00:20	-31.12	-158.49	484.99	-30.23	-157.51	484.67	-143.16	0.84
773	1/13/2021 3:26	1/13/2021 3:26	0:00:20	11.87	-124.33	479.41	12.86	-123.58	479.56	-143.88	0.12
774	1/13/2021 3:31	1/13/2021 3:31	0:00:00	25.86	-112.65	482.50	25.86	-112.65	482.50	-143.90	0.10
775	1/13/2021 4:12	1/13/2021 4:13	0:00:50	-8.09	40.93	487.95	-10.57	42.75	488.18	-143.48	0.52
776	1/13/2021 4:17	1/13/2021 4:18	0:00:59	-23.67	53.34	490.15	-26.47	55.97	490.70	-142.27	1.73
777	1/13/2021 4:43	1/13/2021 4:43	0:00:00	-37.10	170.02	487.25	-37.10	170.02	487.25	-143.61	0.39
778	1/13/2021 4:46	1/13/2021 4:46	0:00:21	-30.74	178.00	484.80	-29.85	178.98	484.48	-143.18	0.82
779	1/13/2021 5:00	1/13/2021 5:00	0:00:09	12.29	-147.94	479.44	12.78	-147.56	479.52	-143.85	0.15
780	1/13/2021 5:05	1/13/2021 5:05	0:00:09	25.79	-136.64	482.45	26.25	-136.20	482.59	-143.95	0.05

Table 11 Departure GN 6 Mbps (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)
781	1/13/2021 5:46	1/13/2021 5:47	0:00:50	-8.51	17.31	487.99	-11.00	19.14	488.23	-143.47	0.53
782	1/13/2021 5:51	1/13/2021 5:53	0:01:10	-23.60	29.35	490.14	-26.86	32.43	490.78	-142.19	1.81
783	1/13/2021 6:17	1/13/2021 6:17	0:00:00	-36.76	146.59	487.04	-36.76	146.59	487.04	-143.63	0.37
784	1/13/2021 6:20	1/13/2021 6:20	0:00:20	-30.36	154.50	484.58	-29.47	155.46	484.27	-143.20	0.80
785	1/13/2021 6:35	1/13/2021 6:35	0:00:09	12.71	-171.54	479.45	13.21	-171.17	479.53	-143.85	0.15
786	1/13/2021 6:39	1/13/2021 6:39	0:00:00	26.19	-160.18	482.53	26.19	-160.18	482.53	-143.84	0.16
787	1/13/2021 7:21	1/13/2021 7:21	0:00:39	-8.94	-6.30	488.13	-10.92	-4.84	488.32	-143.47	0.53
788	1/13/2021 7:26	1/13/2021 7:27	0:01:10	-24.00	5.80	490.29	-27.25	8.90	490.93	-142.11	1.89
789	1/13/2021 7:52	1/13/2021 7:52	0:00:11	-36.82	122.58	486.99	-36.41	123.14	486.83	-143.75	0.25
790	1/13/2021 7:54	1/13/2021 7:55	0:00:19	-29.98	130.99	484.37	-29.09	131.95	484.05	-143.25	0.75
791	1/13/2021 8:09	1/13/2021 8:09	0:00:19	12.64	164.48	479.36	13.63	165.23	479.52	-143.86	0.14
792	1/13/2021 8:14	1/13/2021 8:14	0:00:00	26.58	176.28	482.58	26.58	176.28	482.58	-143.71	0.29
793	1/13/2021 8:14	1/13/2021 8:14	0:00:00	28.41	178.11	483.16	28.41	178.11	483.16	-143.97	0.03
794	1/13/2021 8:55	1/13/2021 8:56	0:00:40	-9.36	-29.92	488.30	-11.35	-28.45	488.51	-143.48	0.52
795	1/13/2021 9:00	1/13/2021 9:01	0:01:01	-24.40	-17.76	490.52	-27.18	-15.10	491.07	-142.05	1.95
796	1/13/2021 9:26	1/13/2021 9:26	0:00:11	-36.47	99.13	486.88	-36.06	99.70	486.72	-143.68	0.32
797	1/13/2021 9:28	1/13/2021 9:29	0:00:20	-30.05	106.99	484.39	-29.16	107.95	484.07	-143.22	0.78
798	1/13/2021 9:43	1/13/2021 9:44	0:00:20	13.06	140.87	479.29	14.05	141.62	479.45	-143.88	0.12
799	1/13/2021 9:48	1/13/2021 9:48	0:00:00	26.97	152.74	482.54	26.97	152.74	482.54	-143.72	0.28
800	1/13/2021 9:49	1/13/2021 9:49	0:00:00	28.80	154.59	483.12	28.80	154.59	483.12	-143.94	0.06
801	1/13/2021 10:29	1/13/2021 10:30	0:00:41	-9.78	-53.53	488.41	-11.77	-52.06	488.62	-143.51	0.49
802	1/13/2021 10:34	1/13/2021 10:35	0:01:01	-24.80	-41.32	490.68	-27.57	-38.63	491.24	-142.13	1.87
803	1/13/2021 11:00	1/13/2021 11:00	0:00:00	-36.13	75.69	486.76	-36.13	75.69	486.76	-143.54	0.46
804	1/13/2021 11:03	1/13/2021 11:03	0:00:20	-29.67	83.47	484.26	-28.77	84.42	483.93	-143.19	0.81
805	1/13/2021 11:17	1/13/2021 11:18	0:00:21	13.48	117.26	479.25	14.46	118.02	479.41	-143.90	0.10
806	1/13/2021 11:22	1/13/2021 11:22	0:00:00	27.36	129.20	482.54	27.36	129.20	482.54	-143.82	0.18
807	1/13/2021 11:23	1/13/2021 11:23	0:00:00	29.18	131.07	483.11	29.18	131.07	483.11	-143.96	0.04
808	1/13/2021 12:03	1/13/2021 12:04	0:00:51	-9.71	-77.51	488.47	-12.19	-75.67	488.75	-143.51	0.49
809	1/13/2021 12:09	1/13/2021 12:10	0:01:00	-25.20	-64.87	490.85	-27.96	-62.16	491.41	-142.40	1.60
810	1/13/2021 12:35	1/13/2021 12:35	0:00:00	-35.77	52.24	486.64	-35.77	52.24	486.64	-143.53	0.47
811	1/13/2021 12:37	1/13/2021 12:38	0:00:20	-29.29	59.95	484.13	-28.39	60.90	483.81	-143.18	0.82
812	1/13/2021 12:52	1/13/2021 12:52	0:00:20	13.90	93.66	479.30	14.88	94.42	479.47	-143.89	0.11
813	1/13/2021 12:56	1/13/2021 12:57	0:00:11	27.29	105.21	482.53	27.75	105.67	482.68	-143.92	0.08
814	1/13/2021 13:38	1/13/2021 13:38	0:00:50	-10.13	-101.13	488.63	-12.61	-99.28	488.90	-143.50	0.50
815	1/13/2021 13:43	1/13/2021 13:44	0:00:59	-25.59	-88.42	491.02	-28.34	-85.70	491.58	-142.34	1.66
816	1/13/2021 14:09	1/13/2021 14:09	0:00:09	-35.84	28.22	486.63	-35.42	28.78	486.46	-143.59	0.41
817	1/13/2021 14:12	1/13/2021 14:12	0:00:20	-28.91	36.43	483.96	-28.00	37.37	483.64	-143.18	0.82
818	1/13/2021 14:26	1/13/2021 14:26	0:00:10	14.32	70.06	479.32	14.81	70.44	479.40	-143.88	0.12
819	1/13/2021 14:31	1/13/2021 14:31	0:00:00	27.68	81.67	482.60	27.68	81.67	482.60	-143.88	0.12
820	1/13/2021 15:12	1/13/2021 15:13	0:00:40	-10.55	-124.74	488.71	-12.53	-123.27	488.93	-143.50	0.50
821	1/13/2021 15:17	1/13/2021 15:18	0:01:09	-25.52	-112.41	491.02	-28.73	-109.23	491.66	-142.30	1.70
822	1/13/2021 15:43	1/13/2021 15:43	0:00:09	-35.49	4.77	486.39	-35.07	5.32	486.22	-143.67	0.33
823	1/13/2021 15:46	1/13/2021 15:46	0:00:11	-28.52	12.90	483.73	-28.07	13.37	483.57	-143.20	0.80
824	1/13/2021 16:01	1/13/2021 16:01	0:00:09	14.74	46.45	479.33	15.23	46.83	479.41	-143.88	0.12
825	1/13/2021 16:05	1/13/2021 16:05	0:00:00	28.07	58.14	482.67	28.07	58.14	482.67	-143.79	0.21
826	1/13/2021 16:06	1/13/2021 16:06	0:00:00	29.88	60.03	483.26	29.88	60.03	483.26	-143.92	0.08
827	1/13/2021 16:46	1/13/2021 16:47	0:00:39	-10.97	-148.36	488.80	-12.95	-146.88	489.03	-143.50	0.50
828	1/13/2021 16:52	1/13/2021 16:52	0:00:59	-25.91	-135.96	491.14	-28.66	-133.22	491.69	-142.26	1.74
829	1/13/2021 17:17	1/13/2021 17:18	0:00:10	-35.14	-18.69	486.22	-34.72	-18.15	486.05	-143.50	0.50
830	1/13/2021 17:20	1/13/2021 17:20	0:00:20	-28.59	-11.09	483.71	-27.68	-10.16	483.39	-143.23	0.77
831	1/13/2021 17:35	1/13/2021 17:35	0:00:20	14.66	22.47	479.27	15.64	23.23	479.44	-143.90	0.10
832	1/13/2021 17:40	1/13/2021 17:40	0:00:00	28.46	34.61	482.75	28.46	34.61	482.75	-143.76	0.24
833	1/13/2021 17:40	1/13/2021 17:40	0:00:00	30.26	36.52	483.35	30.26	36.52	483.35	-143.84	0.16
834	1/13/2021 18:21	1/13/2021 18:21	0:00:39	-11.40	-171.97	488.85	-13.37	-170.48	489.09	-143.52	0.48
835	1/13/2021 18:26	1/13/2021 18:27	0:01:00	-26.31	-159.51	491.22	-29.04	-156.75	491.78	-142.29	1.71
836	1/13/2021 18:52	1/13/2021 18:52	0:00:00	-34.78	-42.15	486.05	-34.78	-42.15	486.05	-143.44	0.56
837	1/13/2021 18:54	1/13/2021 18:55	0:00:21	-28.21	-34.62	483.55	-27.29	-33.70	483.23	-143.18	0.82
838	1/13/2021 19:09	1/13/2021 19:09	0:00:20	15.08	-1.13	479.30	16.06	-0.36	479.49	-143.92	0.08
839	1/13/2021 19:14	1/13/2021 19:14	0:00:00	28.84	11.08	482.84	28.84	11.08	482.84	-143.81	0.19
840	1/13/2021 19:15	1/13/2021 19:15	0:00:00	30.64	13.01	483.44	30.64	13.01	483.44	-143.86	0.14

Table 11 Departure GN 6 Mbps (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)
841	1/13/2021 19:55	1/13/2021 19:56	0:00:41	-11.82	164.42	488.88	-13.79	165.91	489.12	-143.54	0.46
842	1/13/2021 20:00	1/13/2021 20:01	0:01:01	-26.70	176.95	491.27	-29.43	179.73	491.82	-142.45	1.55
843	1/13/2021 20:26	1/13/2021 20:26	0:00:00	-34.42	-65.61	485.82	-34.42	-65.61	485.82	-143.46	0.54
844	1/13/2021 20:29	1/13/2021 20:29	0:00:20	-27.82	-58.15	483.33	-26.90	-57.23	483.02	-143.15	0.85
845	1/13/2021 20:43	1/13/2021 20:44	0:00:20	15.50	-24.73	479.34	16.48	-23.95	479.53	-143.93	0.07
846	1/13/2021 20:48	1/13/2021 20:48	0:00:00	29.23	-12.43	482.95	29.23	-12.43	482.95	-143.90	0.10
847	1/13/2021 20:49	1/13/2021 20:49	0:00:00	31.02	-10.49	483.56	31.02	-10.49	483.56	-143.95	0.05
848	1/13/2021 21:29	1/13/2021 21:30	0:00:50	-11.75	140.44	488.93	-14.22	142.31	489.22	-143.52	0.48
849	1/13/2021 21:34	1/13/2021 21:36	0:01:01	-27.10	153.41	491.38	-29.81	156.22	491.93	-142.47	1.53
850	1/13/2021 22:00	1/13/2021 22:01	0:00:11	-34.48	-89.62	485.82	-34.06	-89.08	485.65	-143.53	0.47
851	1/13/2021 22:03	1/13/2021 22:03	0:00:19	-27.42	-81.68	483.17	-26.50	-80.77	482.86	-143.14	0.86
852	1/13/2021 22:06	1/13/2021 22:06	0:00:00	-18.44	-73.59	480.49	-18.44	-73.59	480.49	-143.99	0.01
853	1/13/2021 22:18	1/13/2021 22:18	0:00:10	15.92	-48.32	479.40	16.41	-47.94	479.50	-143.90	0.10
854	1/13/2021 22:22	1/13/2021 22:23	0:00:11	29.17	-36.42	482.93	29.62	-35.95	483.08	-143.93	0.07
855	1/13/2021 23:03	1/13/2021 23:04	0:00:41	-12.17	116.83	488.98	-14.14	118.33	489.22	-143.51	0.49
856	1/13/2021 23:09	1/13/2021 23:10	0:01:11	-27.03	129.42	491.38	-30.19	132.71	492.03	-142.42	1.58
857	1/13/2021 23:35	1/13/2021 23:35	0:00:11	-34.12	-113.09	485.77	-33.69	-112.56	485.60	-143.50	0.50
858	1/13/2021 23:37	1/13/2021 23:37	0:00:09	-27.03	-105.22	483.14	-26.57	-104.76	482.98	-143.15	0.85
859	1/13/2021 23:52	1/13/2021 23:52	0:00:11	16.34	-71.92	479.57	16.83	-71.53	479.67	-143.91	0.09
860	1/13/2021 23:57	1/13/2021 23:57	0:00:00	29.55	-59.94	483.12	29.55	-59.94	483.12	-143.85	0.15
861	1/13/2021 23:57	1/13/2021 23:57	0:00:00	31.33	-57.99	483.73	31.33	-57.99	483.73	-143.92	0.08
862	1/14/2021 0:38	1/14/2021 0:39	0:00:41	-12.59	93.22	488.97	-14.56	94.73	489.22	-143.51	0.49
863	1/14/2021 0:43	1/14/2021 0:44	0:01:01	-27.42	105.88	491.45	-30.13	108.71	492.02	-142.40	1.60
864	1/14/2021 1:09	1/14/2021 1:09	0:00:09	-33.76	-136.57	485.85	-33.33	-136.04	485.68	-143.41	0.59
865	1/14/2021 1:12	1/14/2021 1:12	0:00:19	-27.10	-129.21	483.38	-26.18	-128.31	483.07	-143.22	0.78
866	1/14/2021 1:26	1/14/2021 1:27	0:00:10	16.75	-95.52	479.74	17.24	-95.13	479.84	-143.92	0.08
867	1/14/2021 1:31	1/14/2021 1:31	0:00:00	29.93	-83.47	483.26	29.93	-83.47	483.26	-143.81	0.19
868	1/14/2021 1:32	1/14/2021 1:32	0:00:00	31.70	-81.50	483.87	31.70	-81.50	483.87	-143.82	0.18
869	1/14/2021 2:12	1/14/2021 2:13	0:00:40	-13.02	69.61	488.90	-14.98	71.12	489.16	-143.53	0.47
870	1/14/2021 2:17	1/14/2021 2:18	0:00:59	-27.81	82.35	491.45	-30.51	85.20	492.03	-142.41	1.59
871	1/14/2021 2:43	1/14/2021 2:43	0:00:09	-33.39	-160.04	485.77	-32.96	-159.52	485.60	-143.39	0.61
872	1/14/2021 2:46	1/14/2021 2:46	0:00:20	-26.71	-152.75	483.31	-25.79	-151.85	483.01	-143.16	0.84
873	1/14/2021 3:00	1/14/2021 3:01	0:00:20	16.68	-119.51	479.76	17.65	-118.72	479.96	-143.93	0.07
874	1/14/2021 3:05	1/14/2021 3:05	0:00:00	30.31	-106.98	483.42	30.31	-106.98	483.42	-143.83	0.17
875	1/14/2021 3:06	1/14/2021 3:06	0:00:00	32.07	-104.99	484.02	32.07	-104.99	484.02	-143.80	0.20
876	1/14/2021 3:47	1/14/2021 3:47	0:00:39	-13.44	46.01	488.88	-15.40	47.52	489.14	-143.55	0.45
877	1/14/2021 3:52	1/14/2021 3:53	0:00:59	-28.20	58.82	491.46	-30.88	61.69	492.04	-142.52	1.48
878	1/14/2021 4:18	1/14/2021 4:18	0:00:09	-33.46	175.96	485.74	-33.03	176.48	485.57	-143.41	0.59
879	1/14/2021 4:20	1/14/2021 4:21	0:00:21	-26.32	-176.29	483.14	-25.39	-175.40	482.83	-143.12	0.88
880	1/14/2021 4:35	1/14/2021 4:35	0:00:19	17.10	-143.10	479.82	18.07	-142.31	480.02	-143.94	0.06
881	1/14/2021 4:40	1/14/2021 4:40	0:00:00	30.69	-130.49	483.52	30.69	-130.49	483.52	-143.89	0.11
882	1/14/2021 4:40	1/14/2021 4:40	0:00:00	32.44	-128.48	484.12	32.44	-128.48	484.12	-143.92	0.08
883	1/14/2021 5:21	1/14/2021 5:21	0:00:39	-13.86	22.40	488.93	-15.82	23.92	489.20	-143.53	0.47
884	1/14/2021 5:26	1/14/2021 5:27	0:01:00	-28.59	35.29	491.54	-31.26	38.19	492.11	-142.54	1.46
885	1/14/2021 5:52	1/14/2021 5:52	0:00:09	-33.09	152.48	485.53	-32.66	153.00	485.36	-143.48	0.52
886	1/14/2021 5:54	1/14/2021 5:55	0:00:21	-25.92	160.17	482.93	-24.99	161.05	482.63	-143.11	0.89
887	1/14/2021 6:09	1/14/2021 6:09	0:00:09	17.52	-166.68	479.86	18.00	-166.29	479.96	-143.92	0.08
888	1/14/2021 6:14	1/14/2021 6:14	0:00:09	30.63	-154.48	483.46	31.07	-153.99	483.61	-143.97	0.03
889	1/14/2021 6:55	1/14/2021 6:56	0:00:39	-13.79	-1.57	489.01	-15.75	-0.05	489.28	-143.52	0.48
890	1/14/2021 7:00	1/14/2021 7:01	0:01:10	-28.52	11.30	491.59	-31.64	14.69	492.25	-142.49	1.51
891	1/14/2021 7:26	1/14/2021 7:26	0:00:11	-32.72	129.00	485.31	-32.28	129.51	485.14	-143.43	0.57
892	1/14/2021 7:29	1/14/2021 7:29	0:00:11	-25.52	136.63	482.72	-25.05	137.07	482.57	-143.13	0.87
893	1/14/2021 7:44	1/14/2021 7:44	0:00:09	17.94	169.73	479.87	18.42	170.13	479.97	-143.92	0.08
894	1/14/2021 7:48	1/14/2021 7:48	0:00:00	31.01	-177.98	483.54	31.01	-177.98	483.54	-143.89	0.11
895	1/14/2021 7:49	1/14/2021 7:49	0:00:00	32.76	-175.96	484.15	32.76	-175.96	484.15	-143.93	0.07
896	1/14/2021 8:29	1/14/2021 8:30	0:00:40	-14.21	-25.17	489.21	-16.17	-23.65	489.49	-143.52	0.48
897	1/14/2021 8:34	1/14/2021 8:35	0:01:00	-28.91	-12.22	491.83	-31.57	-9.31	492.39	-142.46	1.54
898	1/14/2021 9:00	1/14/2021 9:01	0:00:11	-32.35	105.51	485.17	-31.91	106.02	485.00	-143.37	0.63
899	1/14/2021 9:03	1/14/2021 9:03	0:00:20	-25.59	112.63	482.72	-24.66	113.51	482.42	-143.19	0.81
900	1/14/2021 9:18	1/14/2021 9:18	0:00:11	18.35	146.14	479.82	18.83	146.54	479.92	-143.93	0.07

Table 11 Departure GN 6 Mbps (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)
901	1/14/2021 9:22	1/14/2021 9:22	0:00:00	31.38	158.52	483.51	31.38	158.52	483.51	-143.83	0.17
902	1/14/2021 9:23	1/14/2021 9:23	0:00:00	33.12	160.56	484.12	33.12	160.56	484.12	-143.82	0.18
903	1/14/2021 10:04	1/14/2021 10:04	0:00:41	-14.63	-48.77	489.34	-16.59	-47.24	489.63	-143.54	0.46
904	1/14/2021 10:09	1/14/2021 10:10	0:01:01	-29.29	-35.74	492.00	-31.95	-32.80	492.57	-142.47	1.53
905	1/14/2021 10:35	1/14/2021 10:35	0:00:10	-31.98	82.02	485.03	-31.54	82.52	484.86	-143.36	0.64
906	1/14/2021 10:37	1/14/2021 10:38	0:00:20	-25.19	89.09	482.57	-24.26	89.96	482.27	-143.13	0.87
907	1/14/2021 10:52	1/14/2021 10:52	0:00:20	18.28	122.16	479.68	19.25	122.96	479.89	-143.94	0.06
908	1/14/2021 10:57	1/14/2021 10:57	0:00:00	31.76	135.02	483.49	31.76	135.02	483.49	-143.84	0.16
909	1/14/2021 10:58	1/14/2021 10:58	0:00:00	33.49	137.08	484.11	33.49	137.08	484.11	-143.81	0.19
910	1/14/2021 11:38	1/14/2021 11:39	0:00:41	-15.05	-72.37	489.48	-17.01	-70.83	489.77	-143.56	0.44
911	1/14/2021 11:43	1/14/2021 11:44	0:01:00	-29.68	-59.25	492.16	-32.32	-56.29	492.73	-142.57	1.43
912	1/14/2021 12:09	1/14/2021 12:09	0:00:11	-32.04	58.02	485.08	-31.60	58.53	484.90	-143.40	0.60
913	1/14/2021 12:12	1/14/2021 12:12	0:00:19	-24.79	65.54	482.45	-23.85	66.41	482.15	-143.10	0.90
914	1/14/2021 12:26	1/14/2021 12:27	0:00:11	18.70	98.58	479.76	19.18	98.98	479.87	-143.95	0.05
915	1/14/2021 12:31	1/14/2021 12:31	0:00:00	32.14	111.54	483.66	32.14	111.54	483.66	-143.91	0.09
916	1/14/2021 12:32	1/14/2021 12:32	0:00:00	33.86	113.61	484.29	33.86	113.61	484.29	-143.94	0.06
917	1/14/2021 13:12	1/14/2021 13:13	0:00:39	-15.47	-95.97	489.65	-17.42	-94.42	489.94	-143.54	0.46
918	1/14/2021 13:18	1/14/2021 13:18	0:00:59	-30.06	-82.77	492.34	-32.69	-79.78	492.91	-142.55	1.45
919	1/14/2021 13:43	1/14/2021 13:44	0:00:10	-31.67	34.53	484.90	-31.23	35.03	484.73	-143.47	0.53
920	1/14/2021 13:46	1/14/2021 13:46	0:00:20	-24.39	41.98	482.29	-23.45	42.84	481.98	-143.09	0.91
921	1/14/2021 14:01	1/14/2021 14:01	0:00:11	19.11	74.99	479.80	19.59	75.40	479.91	-143.92	0.08
922	1/14/2021 14:05	1/14/2021 14:05	0:00:00	32.07	87.53	483.59	32.07	87.53	483.59	-143.95	0.05
923	1/14/2021 14:46	1/14/2021 14:47	0:00:41	-15.40	-119.96	489.67	-17.35	-118.41	489.96	-143.53	0.47
924	1/14/2021 14:52	1/14/2021 14:53	0:00:59	-30.44	-106.28	492.43	-33.06	-103.27	492.98	-142.50	1.50
925	1/14/2021 15:18	1/14/2021 15:18	0:00:09	-31.29	11.03	484.66	-30.85	11.52	484.49	-143.42	0.58
926	1/14/2021 15:20	1/14/2021 15:20	0:00:10	-23.99	18.43	482.06	-23.52	18.86	481.91	-143.12	0.88
927	1/14/2021 15:35	1/14/2021 15:35	0:00:09	19.52	51.41	479.84	20.00	51.81	479.95	-143.92	0.08
928	1/14/2021 15:40	1/14/2021 15:40	0:00:00	32.44	64.04	483.67	32.44	64.04	483.67	-143.88	0.12
929	1/14/2021 15:40	1/14/2021 15:40	0:00:00	34.16	66.13	484.29	34.16	66.13	484.29	-143.92	0.08
930	1/14/2021 16:21	1/14/2021 16:21	0:00:39	-15.82	-143.55	489.77	-17.76	-142.00	490.06	-143.53	0.47
931	1/14/2021 16:26	1/14/2021 16:27	0:00:59	-30.37	-130.28	492.44	-32.99	-127.27	493.00	-142.45	1.55
932	1/14/2021 16:52	1/14/2021 16:52	0:00:09	-30.92	-12.47	484.48	-30.47	-11.98	484.31	-143.36	0.64
933	1/14/2021 16:55	1/14/2021 16:55	0:00:20	-24.06	-5.56	482.04	-23.12	-4.71	481.75	-143.18	0.82
934	1/14/2021 17:09	1/14/2021 17:09	0:00:09	19.93	27.83	479.89	20.42	28.24	480.00	-143.93	0.07
935	1/14/2021 17:14	1/14/2021 17:14	0:00:00	32.81	40.56	483.76	32.81	40.56	483.76	-143.82	0.18
936	1/14/2021 17:15	1/14/2021 17:15	0:00:00	34.52	42.67	484.39	34.52	42.67	484.39	-143.80	0.20
937	1/14/2021 17:55	1/14/2021 17:56	0:00:39	-16.23	-167.15	489.84	-18.18	-165.59	490.14	-143.55	0.45
938	1/14/2021 18:00	1/14/2021 18:01	0:00:59	-30.75	-153.79	492.54	-33.36	-150.75	493.09	-142.45	1.55
939	1/14/2021 18:26	1/14/2021 18:27	0:00:11	-30.54	-35.98	484.31	-30.09	-35.49	484.14	-143.37	0.63
940	1/14/2021 18:29	1/14/2021 18:29	0:00:21	-23.66	-29.12	481.89	-22.71	-28.27	481.59	-143.12	0.88
941	1/14/2021 18:44	1/14/2021 18:44	0:00:19	19.87	3.85	479.83	20.83	4.66	480.06	-143.94	0.06
942	1/14/2021 18:48	1/14/2021 18:48	0:00:00	33.18	17.08	483.85	33.18	17.08	483.85	-143.85	0.15
943	1/14/2021 18:49	1/14/2021 18:49	0:00:00	34.88	19.21	484.49	34.88	19.21	484.49	-143.85	0.15
944	1/14/2021 19:30	1/14/2021 19:30	0:00:40	-16.65	169.26	489.88	-18.59	170.83	490.18	-143.56	0.44
945	1/14/2021 19:35	1/14/2021 19:36	0:01:01	-31.13	-177.29	492.58	-33.73	-174.22	493.13	-142.56	1.44
946	1/14/2021 20:00	1/14/2021 20:01	0:00:10	-30.60	-59.97	484.25	-30.15	-59.48	484.08	-143.41	0.59
947	1/14/2021 20:03	1/14/2021 20:03	0:00:20	-23.25	-52.67	481.68	-22.30	-51.83	481.39	-143.10	0.90
948	1/14/2021 20:18	1/14/2021 20:18	0:00:09	20.28	-19.73	479.90	20.76	-19.32	480.01	-143.94	0.06
949	1/14/2021 20:23	1/14/2021 20:23	0:00:00	33.56	-6.39	483.98	33.56	-6.39	483.98	-143.94	0.06
950	1/14/2021 20:23	1/14/2021 20:23	0:00:00	35.24	-4.25	484.62	35.24	-4.25	484.62	-143.98	0.02
951	1/14/2021 21:04	1/14/2021 21:05	0:00:50	-16.59	145.28	489.91	-19.01	147.25	490.29	-143.54	0.46
952	1/14/2021 21:09	1/14/2021 21:10	0:01:01	-31.51	159.22	492.69	-34.09	162.31	493.23	-142.51	1.49
953	1/14/2021 21:35	1/14/2021 21:35	0:00:11	-30.21	-83.47	484.08	-29.77	-82.99	483.91	-143.51	0.49
954	1/14/2021 21:38	1/14/2021 21:38	0:00:19	-22.84	-76.23	481.53	-21.89	-75.39	481.25	-143.10	0.90
955	1/14/2021 21:52	1/14/2021 21:52	0:00:10	20.70	-43.30	479.99	21.18	-42.89	480.10	-143.91	0.09
956	1/14/2021 21:57	1/14/2021 21:57	0:00:00	33.50	-30.39	483.96	33.50	-30.39	483.96	-143.92	0.08
957	1/14/2021 21:58	1/14/2021 21:58	0:00:00	35.19	-28.25	484.60	35.19	-28.25	484.60	-144.00	0.00
958	1/14/2021 22:38	1/14/2021 22:39	0:00:41	-17.01	121.69	489.99	-18.94	123.26	490.29	-143.53	0.47
959	1/14/2021 22:43	1/14/2021 22:44	0:01:11	-31.45	135.22	492.69	-34.46	138.84	493.32	-142.43	1.57
960	1/14/2021 23:09	1/14/2021 23:09	0:00:11	-29.83	-106.98	484.03	-29.38	-106.50	483.86	-143.44	0.56

Table 11 Departure GN 6 Mbps (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)
961	1/14/2021 23:12	1/14/2021 23:12	0:00:09	-22.43	-99.80	481.50	-21.96	-99.38	481.36	-143.15	0.85
962	1/14/2021 23:26	1/14/2021 23:27	0:00:11	21.11	-66.87	480.16	21.59	-66.46	480.28	-143.92	0.08
963	1/14/2021 23:31	1/14/2021 23:31	0:00:00	33.86	-53.86	484.16	33.86	-53.86	484.16	-143.83	0.17
964	1/14/2021 23:32	1/14/2021 23:32	0:00:00	35.54	-51.70	484.80	35.54	-51.70	484.80	-143.89	0.11
965	1/15/2021 0:12	1/15/2021 0:13	0:00:41	-17.42	98.10	490.01	-19.36	99.68	490.33	-143.54	0.46
966	1/15/2021 0:17	1/15/2021 0:19	0:01:01	-31.82	111.73	492.78	-34.40	114.84	493.34	-142.36	1.64
967	1/15/2021 0:44	1/15/2021 0:44	0:00:09	-29.44	-130.50	484.10	-28.99	-130.03	483.94	-143.40	0.60
968	1/15/2021 0:46	1/15/2021 0:46	0:00:19	-22.50	-123.79	481.73	-21.55	-122.95	481.45	-143.17	0.83
969	1/15/2021 1:01	1/15/2021 1:01	0:00:11	21.51	-90.45	480.33	21.99	-90.03	480.45	-143.93	0.07
970	1/15/2021 1:05	1/15/2021 1:05	0:00:00	34.22	-77.34	484.28	34.22	-77.34	484.28	-143.81	0.19
971	1/15/2021 1:06	1/15/2021 1:06	0:00:00	35.89	-75.16	484.91	35.89	-75.16	484.91	-143.84	0.16
972	1/15/2021 1:47	1/15/2021 1:47	0:00:41	-17.84	74.51	489.97	-19.77	76.10	490.29	-143.55	0.45
973	1/15/2021 1:52	1/15/2021 1:53	0:01:00	-32.20	88.23	492.80	-34.76	91.38	493.36	-142.38	1.62
974	1/15/2021 2:18	1/15/2021 2:18	0:00:00	-29.06	-154.02	484.04	-29.06	-154.02	484.04	-143.41	0.59
975	1/15/2021 2:20	1/15/2021 2:21	0:00:20	-22.09	-147.35	481.69	-21.14	-146.52	481.41	-143.13	0.87
976	1/15/2021 2:35	1/15/2021 2:35	0:00:20	21.44	-114.44	480.35	22.40	-113.60	480.59	-143.94	0.06
977	1/15/2021 2:40	1/15/2021 2:40	0:00:00	34.58	-100.81	484.43	34.58	-100.81	484.43	-143.88	0.12
978	1/15/2021 2:40	1/15/2021 2:40	0:00:00	36.24	-98.60	485.06	36.24	-98.60	485.06	-143.95	0.05
979	1/15/2021 3:21	1/15/2021 3:22	0:00:50	-17.77	50.53	489.87	-20.18	52.52	490.29	-143.54	0.46
980	1/15/2021 3:26	1/15/2021 3:27	0:00:59	-32.57	64.75	492.81	-35.12	67.92	493.37	-142.49	1.51
981	1/15/2021 3:52	1/15/2021 3:52	0:00:09	-29.12	-178.01	484.02	-28.67	-177.54	483.85	-143.48	0.52
982	1/15/2021 3:55	1/15/2021 3:55	0:00:20	-21.68	-170.92	481.53	-20.73	-170.09	481.25	-143.12	0.88
983	1/15/2021 4:09	1/15/2021 4:10	0:00:10	21.86	-138.00	480.43	22.33	-137.59	480.55	-143.92	0.08
984	1/15/2021 4:14	1/15/2021 4:14	0:00:11	34.53	-124.81	484.39	34.95	-124.27	484.54	-143.97	0.03
985	1/15/2021 4:55	1/15/2021 4:56	0:00:40	-18.19	26.94	489.94	-20.12	28.54	490.27	-143.52	0.48
986	1/15/2021 5:00	1/15/2021 5:01	0:01:00	-32.94	41.26	492.88	-35.48	44.46	493.44	-142.39	1.61
987	1/15/2021 5:26	1/15/2021 5:26	0:00:09	-28.73	158.47	483.81	-28.28	158.94	483.64	-143.59	0.41
988	1/15/2021 5:29	1/15/2021 5:29	0:00:21	-21.27	165.51	481.34	-20.31	166.33	481.07	-143.14	0.86
989	1/15/2021 5:32	1/15/2021 5:32	0:00:00	-12.00	172.92	479.12	-12.00	172.92	479.12	-143.98	0.02
990	1/15/2021 5:44	1/15/2021 5:44	0:00:09	22.27	-161.57	480.49	22.74	-161.14	480.61	-143.90	0.10
991	1/15/2021 5:48	1/15/2021 5:48	0:00:00	34.89	-148.27	484.49	34.89	-148.27	484.49	-143.85	0.15
992	1/15/2021 5:49	1/15/2021 5:49	0:00:00	36.54	-146.04	485.12	36.54	-146.04	485.12	-143.98	0.02
993	1/15/2021 6:30	1/15/2021 6:30	0:00:39	-18.61	3.36	490.08	-20.53	4.97	490.41	-143.52	0.48
994	1/15/2021 6:35	1/15/2021 6:36	0:00:59	-32.88	17.27	492.92	-35.42	20.46	493.48	-142.28	1.72
995	1/15/2021 7:01	1/15/2021 7:01	0:00:10	-28.34	134.95	483.59	-27.89	135.42	483.42	-143.52	0.48
996	1/15/2021 7:03	1/15/2021 7:04	0:00:20	-21.34	141.53	481.28	-20.38	142.35	481.00	-143.20	0.80
997	1/15/2021 7:18	1/15/2021 7:18	0:00:09	22.68	174.87	480.53	23.15	175.30	480.65	-143.92	0.08
998	1/15/2021 7:23	1/15/2021 7:23	0:00:00	35.25	-171.72	484.59	35.25	-171.72	484.59	-143.77	0.23
999	1/15/2021 7:23	1/15/2021 7:23	0:00:00	36.89	-169.47	485.22	36.89	-169.47	485.22	-143.92	0.08
1000	1/15/2021 8:04	1/15/2021 8:04	0:00:39	-19.02	-20.22	490.30	-20.94	-18.61	490.64	-143.54	0.46
1001	1/15/2021 8:09	1/15/2021 8:10	0:01:00	-33.25	-6.21	493.15	-35.77	-2.99	493.70	-142.19	1.81
1002	1/15/2021 8:35	1/15/2021 8:35	0:00:11	-27.95	111.43	483.43	-27.49	111.89	483.27	-143.46	0.54
1003	1/15/2021 8:37	1/15/2021 8:38	0:00:21	-20.93	117.96	481.12	-19.97	118.78	480.84	-143.15	0.85
1004	1/15/2021 8:52	1/15/2021 8:53	0:00:20	22.61	150.89	480.37	23.56	151.74	480.62	-143.93	0.07
1005	1/15/2021 8:57	1/15/2021 8:57	0:00:00	35.61	164.83	484.56	35.61	164.83	484.56	-143.84	0.16
1006	1/15/2021 8:58	1/15/2021 8:58	0:00:00	37.24	167.10	485.20	37.24	167.10	485.20	-143.97	0.03
1007	1/15/2021 9:38	1/15/2021 9:39	0:00:50	-18.96	-44.20	490.38	-21.36	-42.18	490.80	-143.55	0.45
1008	1/15/2021 9:43	1/15/2021 9:44	0:01:01	-33.62	-29.68	493.34	-36.13	-26.43	493.89	-142.38	1.62
1009	1/15/2021 10:09	1/15/2021 10:09	0:00:00	-27.56	87.90	483.29	-27.56	87.90	483.29	-143.46	0.54
1010	1/15/2021 10:12	1/15/2021 10:12	0:00:20	-20.52	94.39	480.97	-19.55	95.20	480.69	-143.12	0.88
1011	1/15/2021 10:27	1/15/2021 10:27	0:00:09	23.02	127.33	480.34	23.49	127.76	480.46	-143.90	0.10
1012	1/15/2021 10:31	1/15/2021 10:31	0:00:00	35.96	141.39	484.54	35.96	141.39	484.54	-143.96	0.04
1013	1/15/2021 11:12	1/15/2021 11:13	0:00:50	-19.38	-67.78	490.52	-21.77	-65.74	490.95	-143.53	0.47
1014	1/15/2021 11:18	1/15/2021 11:19	0:01:01	-33.99	-53.15	493.49	-36.48	-49.86	494.03	-142.34	1.66
1015	1/15/2021 11:44	1/15/2021 11:44	0:00:00	-27.16	64.37	483.15	-27.16	64.37	483.15	-143.55	0.45
1016	1/15/2021 11:46	1/15/2021 11:46	0:00:19	-20.10	70.82	480.84	-19.13	71.62	480.57	-143.14	0.86
1017	1/15/2021 12:01	1/15/2021 12:01	0:00:11	23.43	103.78	480.45	23.90	104.20	480.58	-143.88	0.12
1018	1/15/2021 12:05	1/15/2021 12:05	0:00:00	35.91	117.39	484.57	35.91	117.39	484.57	-143.87	0.13
1019	1/15/2021 12:47	1/15/2021 12:47	0:00:41	-19.79	-91.36	490.70	-21.70	-89.73	491.05	-143.52	0.48
1020	1/15/2021 12:52	1/15/2021 12:53	0:01:10	-33.93	-77.15	493.58	-36.83	-73.30	494.20	-142.21	1.79

Table 11 Departure GN 6 Mbps (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)
1021	1/15/2021 13:18	1/15/2021 13:18	0:00:11	-27.23	40.38	483.15	-26.77	40.83	482.99	-143.67	0.33
1022	1/15/2021 13:21	1/15/2021 13:21	0:00:20	-19.69	47.24	480.70	-18.72	48.04	480.43	-143.18	0.82
1023	1/15/2021 13:24	1/15/2021 13:24	0:00:00	-10.36	54.52	478.56	-10.36	54.52	478.56	-143.96	0.04
1024	1/15/2021 13:35	1/15/2021 13:35	0:00:11	23.83	80.22	480.51	24.30	80.65	480.64	-143.88	0.12
1025	1/15/2021 13:40	1/15/2021 13:40	0:00:00	36.26	93.95	484.66	36.26	93.95	484.66	-143.72	0.28
1026	1/15/2021 14:21	1/15/2021 14:22	0:00:41	-20.20	-114.94	490.80	-22.11	-113.30	491.15	-143.53	0.47
1027	1/15/2021 14:26	1/15/2021 14:27	0:01:00	-34.29	-100.62	493.65	-36.77	-97.31	494.18	-142.06	1.94
1028	1/15/2021 14:52	1/15/2021 14:52	0:00:09	-26.83	16.84	482.92	-26.37	17.30	482.75	-143.67	0.33
1029	1/15/2021 14:55	1/15/2021 14:55	0:00:19	-19.75	23.25	480.63	-18.79	24.06	480.36	-143.14	0.86
1030	1/15/2021 15:09	1/15/2021 15:10	0:00:21	23.77	56.23	480.43	24.71	57.10	480.69	-143.90	0.10
1031	1/15/2021 15:14	1/15/2021 15:14	0:00:00	36.61	70.51	484.74	36.61	70.51	484.74	-143.83	0.17
1032	1/15/2021 15:55	1/15/2021 15:56	0:00:40	-20.61	-138.52	490.91	-22.51	-136.86	491.25	-143.55	0.45
1033	1/15/2021 16:01	1/15/2021 16:01	0:00:59	-34.65	-124.09	493.75	-37.12	-120.74	494.27	-142.23	1.77
1034	1/15/2021 16:27	1/15/2021 16:27	0:00:00	-26.44	-6.69	482.73	-26.44	-6.69	482.73	-143.57	0.43
1035	1/15/2021 16:29	1/15/2021 16:29	0:00:20	-19.34	-0.32	480.47	-18.37	0.47	480.20	-143.10	0.90
1036	1/15/2021 16:44	1/15/2021 16:44	0:00:11	24.17	32.68	480.51	24.64	33.11	480.64	-143.89	0.11
1037	1/15/2021 16:49	1/15/2021 16:49	0:00:00	36.96	47.08	484.85	36.96	47.08	484.85	-143.97	0.03
1038	1/15/2021 17:29	1/15/2021 17:30	0:00:50	-20.55	-162.50	490.91	-22.92	-160.42	491.35	-143.53	0.47
1039	1/15/2021 17:35	1/15/2021 17:36	0:00:59	-35.01	-147.55	493.85	-37.46	-144.17	494.36	-142.31	1.69
1040	1/15/2021 18:01	1/15/2021 18:01	0:00:00	-26.04	-30.23	482.57	-26.04	-30.23	482.57	-143.53	0.47
1041	1/15/2021 18:03	1/15/2021 18:04	0:00:21	-18.92	-23.90	480.33	-17.95	-23.11	480.06	-143.10	0.90
1042	1/15/2021 18:18	1/15/2021 18:18	0:00:10	24.58	9.13	480.58	25.05	9.56	480.71	-143.85	0.15
1043	1/15/2021 18:23	1/15/2021 18:23	0:00:00	36.91	23.07	484.78	36.91	23.07	484.78	-143.93	0.07
1044	1/15/2021 19:04	1/15/2021 19:04	0:00:39	-20.96	173.93	490.95	-22.86	175.59	491.30	-143.51	0.49
1045	1/15/2021 19:09	1/15/2021 19:10	0:01:09	-34.96	-171.54	493.79	-37.81	-167.59	494.38	-142.16	1.84
1046	1/15/2021 19:35	1/15/2021 19:35	0:00:00	-25.64	-53.77	482.35	-25.64	-53.77	482.35	-143.57	0.43
1047	1/15/2021 19:38	1/15/2021 19:38	0:00:20	-18.50	-47.48	480.14	-17.53	-46.69	479.88	-143.13	0.87
1048	1/15/2021 19:52	1/15/2021 19:52	0:00:20	24.52	-14.85	480.54	25.45	-13.98	480.80	-143.85	0.15
1049	1/15/2021 19:57	1/15/2021 19:57	0:00:00	37.26	-0.35	484.92	37.26	-0.35	484.92	-143.84	0.16
1050	1/15/2021 20:38	1/15/2021 20:39	0:00:39	-21.37	150.36	491.07	-23.27	152.04	491.42	-143.51	0.49
1051	1/15/2021 20:43	1/15/2021 20:44	0:00:59	-35.32	165.01	493.89	-37.75	168.41	494.39	-142.07	1.93
1052	1/15/2021 21:10	1/15/2021 21:10	0:00:00	-25.23	-77.31	482.19	-25.23	-77.31	482.19	-143.72	0.28
1053	1/15/2021 21:12	1/15/2021 21:12	0:00:20	-18.08	-71.06	480.00	-17.11	-70.27	479.75	-143.11	0.89
1054	1/15/2021 21:27	1/15/2021 21:27	0:00:19	24.93	-38.40	480.64	25.86	-37.51	480.91	-143.87	0.13
1055	1/15/2021 21:31	1/15/2021 21:31	0:00:00	37.60	-23.77	485.07	37.60	-23.77	485.07	-143.92	0.08
1056	1/15/2021 22:13	1/15/2021 22:13	0:00:40	-21.79	126.80	491.15	-23.68	128.48	491.50	-143.53	0.47
1057	1/15/2021 22:18	1/15/2021 22:19	0:01:01	-35.68	141.56	493.98	-38.10	145.00	494.48	-142.28	1.72
1058	1/15/2021 22:44	1/15/2021 22:44	0:00:11	-25.29	-101.29	482.29	-24.83	-100.85	482.13	-143.85	0.15
1059	1/15/2021 22:46	1/15/2021 22:46	0:00:20	-18.14	-95.04	480.10	-17.17	-94.25	479.85	-143.02	0.98
1060	1/15/2021 23:01	1/15/2021 23:01	0:00:09	25.33	-61.94	480.83	25.79	-61.50	480.96	-143.86	0.14
1061	1/15/2021 23:47	1/15/2021 23:48	0:00:50	-21.72	102.82	491.12	-24.08	104.93	491.57	-143.52	0.48
1062	1/15/2021 23:52	1/15/2021 23:53	0:01:01	-36.03	118.12	494.09	-38.43	121.59	494.61	-142.26	1.74
1063	1/16/2021 0:18	1/16/2021 0:18	0:00:00	-24.89	-124.84	482.37	-24.89	-124.84	482.37	-143.72	0.28
1064	1/16/2021 0:20	1/16/2021 0:21	0:00:20	-17.73	-118.63	480.20	-16.75	-117.85	479.95	-143.01	0.99
1065	1/16/2021 0:35	1/16/2021 0:35	0:00:10	25.73	-85.49	480.98	26.19	-85.05	481.12	-143.83	0.17
1066	1/16/2021 1:21	1/16/2021 1:22	0:00:50	-22.13	79.25	491.10	-24.49	81.37	491.56	-143.50	0.50
1067	1/16/2021 1:26	1/16/2021 1:27	0:01:00	-35.98	94.11	494.04	-38.38	97.58	494.56	-142.12	1.88
1068	1/16/2021 1:52	1/16/2021 1:52	0:00:00	-24.49	-148.39	482.33	-24.49	-148.39	482.33	-143.63	0.37
1069	1/16/2021 1:55	1/16/2021 1:55	0:00:19	-17.31	-142.22	480.18	-16.33	-141.44	479.93	-143.03	0.97
1070	1/16/2021 2:09	1/16/2021 2:10	0:00:20	25.66	-109.48	481.00	26.59	-108.59	481.27	-143.82	0.18
1071	1/16/2021 2:14	1/16/2021 2:14	0:00:00	38.23	-94.62	485.35	38.23	-94.62	485.35	-143.99	0.01
1072	1/16/2021 2:23	1/16/2021 2:23	0:00:00	51.69	-50.23	492.31	51.69	-50.23	492.31	-143.96	0.04
1073	1/16/2021 2:55	1/16/2021 2:56	0:00:41	-22.54	55.68	491.10	-24.42	57.39	491.47	-143.50	0.50
1074	1/16/2021 3:00	1/16/2021 3:02	0:01:01	-36.33	70.67	494.04	-38.72	74.17	494.56	-142.15	1.85
1075	1/16/2021 3:27	1/16/2021 3:27	0:00:00	-24.08	-171.94	482.16	-24.08	-171.94	482.16	-143.59	0.41
1076	1/16/2021 3:29	1/16/2021 3:30	0:00:20	-16.89	-165.80	480.04	-15.91	-165.03	479.80	-143.09	0.91
1077	1/16/2021 3:44	1/16/2021 3:44	0:00:21	26.06	-133.02	481.09	26.99	-132.12	481.36	-143.84	0.16
1078	1/16/2021 3:58	1/16/2021 3:58	0:00:00	51.72	-73.31	492.34	51.72	-73.31	492.34	-143.92	0.08
1079	1/16/2021 4:30	1/16/2021 4:30	0:00:41	-22.95	32.12	491.17	-24.83	33.84	491.54	-143.51	0.49
1080	1/16/2021 4:35	1/16/2021 4:36	0:01:00	-36.68	47.24	494.10	-39.05	50.77	494.61	-142.36	1.64

Table 11 Departure GN 6 Mbps (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)
1081	1/16/2021 5:01	1/16/2021 5:01	0:00:00	-23.67	164.51	481.96	-23.67	164.51	481.96	-143.66	0.34
1082	1/16/2021 5:03	1/16/2021 5:04	0:00:20	-16.95	170.22	480.00	-15.97	171.00	479.75	-142.96	1.04
1083	1/16/2021 5:18	1/16/2021 5:18	0:00:11	26.47	-156.56	481.17	26.93	-156.10	481.31	-143.83	0.17
1084	1/16/2021 5:32	1/16/2021 5:32	0:00:00	51.72	-97.36	492.32	51.72	-97.36	492.32	-143.87	0.13
1085	1/16/2021 6:04	1/16/2021 6:05	0:00:50	-22.89	8.15	491.22	-25.23	10.30	491.69	-143.50	0.50
1086	1/16/2021 6:09	1/16/2021 6:10	0:01:10	-36.63	23.24	494.14	-39.39	27.38	494.72	-142.18	1.82
1087	1/16/2021 6:35	1/16/2021 6:35	0:00:00	-23.26	140.96	481.75	-23.26	140.96	481.75	-143.87	0.13
1088	1/16/2021 6:38	1/16/2021 6:38	0:00:20	-16.53	146.64	479.81	-15.55	147.41	479.57	-142.85	1.15
1089	1/16/2021 6:52	1/16/2021 6:53	0:00:11	26.87	-179.92	481.24	27.33	-179.63	481.38	-143.79	0.21
1090	1/16/2021 7:06	1/16/2021 7:06	0:00:00	51.75	-120.42	492.41	51.75	-120.42	492.41	-143.62	0.38
1091	1/16/2021 7:38	1/16/2021 7:39	0:00:50	-23.30	-15.41	491.44	-25.64	-13.24	491.91	-143.49	0.51
1092	1/16/2021 7:43	1/16/2021 7:44	0:01:00	-36.98	-0.19	494.36	-39.33	3.37	494.85	-142.13	1.87
1093	1/16/2021 8:09	1/16/2021 8:09	0:00:00	-23.33	116.97	481.73	-23.33	116.97	481.73	-143.94	0.06
1094	1/16/2021 8:12	1/16/2021 8:12	0:00:21	-16.10	123.05	479.65	-15.12	123.81	479.41	-142.83	1.17
1095	1/16/2021 8:26	1/16/2021 8:27	0:00:20	26.81	155.93	481.07	27.72	156.85	481.35	-143.78	0.22
1096	1/16/2021 8:40	1/16/2021 8:40	0:00:09	51.74	-144.48	492.28	51.77	-143.49	492.35	-143.48	0.52
1097	1/16/2021 9:13	1/16/2021 9:13	0:00:39	-23.71	-38.97	491.63	-25.58	-37.23	492.00	-143.49	0.51
1098	1/16/2021 9:18	1/16/2021 9:19	0:00:59	-37.33	-23.61	494.55	-39.66	-20.02	495.04	-142.27	1.73
1099	1/16/2021 9:44	1/16/2021 9:44	0:00:00	-22.92	93.42	481.58	-22.92	93.42	481.58	-143.75	0.25
1100	1/16/2021 9:46	1/16/2021 9:47	0:00:20	-15.68	99.45	479.50	-14.70	100.22	479.26	-142.88	1.12
1101	1/16/2021 10:01	1/16/2021 10:01	0:00:20	27.21	132.40	481.04	28.12	133.32	481.32	-143.81	0.19
1102	1/16/2021 10:15	1/16/2021 10:15	0:00:10	51.77	-167.54	492.16	51.78	-166.56	492.23	-143.72	0.28
1103	1/16/2021 10:47	1/16/2021 10:47	0:00:39	-24.12	-62.51	491.78	-25.98	-60.76	492.16	-143.51	0.49
1104	1/16/2021 10:52	1/16/2021 10:53	0:01:09	-37.28	-47.61	494.60	-39.99	-43.39	495.16	-142.25	1.75
1105	1/16/2021 11:18	1/16/2021 11:18	0:00:00	-22.51	69.86	481.44	-22.51	69.86	481.44	-143.59	0.41
1106	1/16/2021 11:21	1/16/2021 11:21	0:00:19	-15.25	75.86	479.38	-14.27	76.63	479.15	-142.94	1.06
1107	1/16/2021 11:35	1/16/2021 11:35	0:00:09	27.60	108.88	481.18	28.06	109.34	481.32	-143.77	0.23
1108	1/16/2021 11:49	1/16/2021 11:49	0:00:11	51.78	169.39	492.34	51.79	170.37	492.41	-143.62	0.38
1109	1/16/2021 12:21	1/16/2021 12:22	0:00:50	-24.06	-86.50	491.88	-26.38	-84.30	492.35	-143.51	0.49
1110	1/16/2021 12:26	1/16/2021 12:27	0:00:59	-37.62	-71.03	494.78	-39.94	-67.40	495.26	-142.13	1.87
1111	1/16/2021 12:53	1/16/2021 12:53	0:00:00	-22.10	46.29	481.29	-22.10	46.29	481.29	-143.50	0.50
1112	1/16/2021 12:55	1/16/2021 12:55	0:00:20	-15.32	51.89	479.37	-14.34	52.65	479.14	-142.72	1.28
1113	1/16/2021 13:09	1/16/2021 13:10	0:00:19	27.54	84.89	481.11	28.45	85.82	481.40	-143.73	0.27
1114	1/16/2021 13:23	1/16/2021 13:23	0:00:10	51.78	145.33	492.33	51.79	146.31	492.40	-143.61	0.39
1115	1/16/2021 13:55	1/16/2021 13:56	0:00:39	-24.46	-110.05	491.97	-26.32	-108.29	492.35	-143.49	0.51
1116	1/16/2021 14:00	1/16/2021 14:01	0:01:00	-37.96	-94.45	494.84	-40.26	-90.79	495.31	-142.21	1.79
1117	1/16/2021 14:27	1/16/2021 14:27	0:00:00	-21.68	22.73	481.07	-21.68	22.73	481.07	-143.65	0.35
1118	1/16/2021 14:29	1/16/2021 14:29	0:00:19	-14.89	28.29	479.19	-13.91	29.05	478.96	-142.55	1.45
1119	1/16/2021 14:44	1/16/2021 14:44	0:00:19	27.94	61.36	481.18	28.85	62.30	481.47	-143.74	0.26
1120	1/16/2021 14:45	1/16/2021 14:45	0:00:00	31.08	64.72	482.21	31.08	64.72	482.21	-143.94	0.06
1121	1/16/2021 14:57	1/16/2021 14:58	0:00:11	51.79	122.25	492.36	51.79	123.24	492.43	-143.70	0.30
1122	1/16/2021 15:30	1/16/2021 15:30	0:00:41	-24.86	-133.60	492.08	-26.71	-131.83	492.46	-143.50	0.50
1123	1/16/2021 15:35	1/16/2021 15:36	0:01:01	-38.30	-117.87	494.92	-40.58	-114.16	495.38	-142.31	1.69
1124	1/16/2021 16:01	1/16/2021 16:01	0:00:00	-21.27	-0.84	480.90	-21.27	-0.84	480.90	-143.98	0.02
1125	1/16/2021 16:04	1/16/2021 16:04	0:00:20	-14.47	4.70	479.04	-13.48	5.45	478.82	-142.56	1.44
1126	1/16/2021 16:18	1/16/2021 16:18	0:00:20	28.33	37.84	481.27	29.24	38.79	481.56	-143.78	0.22
1127	1/16/2021 16:19	1/16/2021 16:19	0:00:00	31.46	41.23	482.31	31.46	41.23	482.31	-143.76	0.24
1128	1/16/2021 16:32	1/16/2021 16:32	0:00:21	51.79	98.20	492.32	51.79	100.17	492.46	-143.69	0.31
1129	1/16/2021 17:04	1/16/2021 17:05	0:00:41	-25.27	-157.15	492.18	-27.11	-155.36	492.56	-143.51	0.49
1130	1/16/2021 17:09	1/16/2021 17:10	0:01:11	-38.25	-141.87	494.93	-40.90	-137.53	495.46	-142.13	1.87
1131	1/16/2021 17:38	1/16/2021 17:38	0:00:20	-14.04	-18.90	478.92	-13.05	-18.15	478.70	-142.74	1.26
1132	1/16/2021 17:52	1/16/2021 17:53	0:00:11	28.73	14.33	481.35	29.18	14.80	481.50	-143.69	0.31
1133	1/16/2021 18:06	1/16/2021 18:06	0:00:11	51.80	75.13	492.32	51.79	76.12	492.39	-143.72	0.28
1134	1/16/2021 18:38	1/16/2021 18:39	0:00:50	-25.21	178.87	492.13	-27.51	-178.88	492.60	-143.51	0.49
1135	1/16/2021 18:43	1/16/2021 18:44	0:01:01	-38.59	-165.27	494.95	-40.86	-161.54	495.39	-142.15	1.85
1136	1/16/2021 19:10	1/16/2021 19:10	0:00:00	-20.92	-48.38	480.69	-20.92	-48.38	480.69	-143.94	0.06
1137	1/16/2021 19:12	1/16/2021 19:12	0:00:20	-14.10	-42.87	478.86	-13.12	-42.12	478.64	-142.79	1.21
1138	1/16/2021 19:27	1/16/2021 19:27	0:00:20	28.67	-9.66	481.31	29.57	-8.71	481.61	-143.67	0.33
1139	1/16/2021 19:28	1/16/2021 19:28	0:00:00	31.79	-6.25	482.36	31.79	-6.25	482.36	-143.93	0.07
1140	1/16/2021 19:40	1/16/2021 19:41	0:00:21	51.80	51.09	492.34	51.78	53.05	492.47	-143.76	0.24

Table 11 Departure GN 6 Mbps (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)
1141	1/16/2021 20:12	1/16/2021 20:13	0:00:41	-25.61	155.33	492.24	-27.45	157.13	492.62	-143.49	0.51
1142	1/16/2021 20:18	1/16/2021 20:19	0:01:01	-38.93	171.33	495.03	-41.17	175.10	495.47	-142.35	1.65
1143	1/16/2021 20:44	1/16/2021 20:44	0:00:00	-20.50	-71.95	480.54	-20.50	-71.95	480.54	-143.82	0.18
1144	1/16/2021 20:46	1/16/2021 20:47	0:00:20	-13.67	-66.47	478.74	-12.68	-65.71	478.53	-142.58	1.42
1145	1/16/2021 21:01	1/16/2021 21:01	0:00:21	29.07	-33.17	481.43	29.97	-32.21	481.73	-143.72	0.28
1146	1/16/2021 21:02	1/16/2021 21:02	0:00:00	32.17	-29.73	482.50	32.17	-29.73	482.50	-143.74	0.26
1147	1/16/2021 21:14	1/16/2021 21:15	0:00:20	51.79	28.02	492.44	51.76	29.99	492.57	-143.77	0.23
1148	1/16/2021 21:47	1/16/2021 21:47	0:00:39	-26.02	131.80	492.34	-27.85	133.61	492.71	-143.50	0.50
1149	1/16/2021 21:52	1/16/2021 21:53	0:01:10	-38.88	147.33	495.04	-41.49	151.75	495.55	-142.11	1.89
1150	1/16/2021 22:18	1/16/2021 22:18	0:00:00	-20.08	-95.52	480.49	-20.08	-95.52	480.49	-143.91	0.09
1151	1/16/2021 22:21	1/16/2021 22:21	0:00:21	-13.24	-90.06	478.73	-12.25	-89.32	478.52	-142.49	1.51
1152	1/16/2021 22:35	1/16/2021 22:35	0:00:11	29.46	-56.68	481.63	29.91	-56.20	481.78	-143.69	0.31
1153	1/16/2021 22:36	1/16/2021 22:36	0:00:00	32.55	-53.21	482.69	32.55	-53.21	482.69	-143.82	0.18
1154	1/16/2021 22:49	1/16/2021 22:49	0:00:19	51.78	4.95	492.53	51.74	6.92	492.65	-143.80	0.20
1155	1/16/2021 23:21	1/16/2021 23:22	0:00:50	-25.96	107.81	492.32	-28.25	110.09	492.80	-143.53	0.47
1156	1/16/2021 23:26	1/16/2021 23:27	0:01:00	-39.21	123.93	495.17	-41.44	127.74	495.61	-142.08	1.92
1157	1/16/2021 23:55	1/16/2021 23:55	0:00:20	-12.81	-113.67	478.83	-11.82	-112.92	478.62	-142.64	1.36
1158	1/17/2021 0:09	1/17/2021 0:10	0:00:21	29.39	-80.67	481.63	30.29	-79.71	481.92	-143.60	0.40
1159	1/17/2021 0:11	1/17/2021 0:11	0:00:00	32.49	-77.21	482.67	32.49	-77.21	482.67	-143.99	0.01
1160	1/17/2021 0:23	1/17/2021 0:23	0:00:20	51.78	-19.11	492.37	51.74	-17.15	492.48	-143.80	0.20
1161	1/17/2021 0:55	1/17/2021 0:56	0:00:51	-26.36	84.28	492.33	-28.64	86.57	492.82	-143.50	0.50
1162	1/17/2021 1:01	1/17/2021 1:01	0:00:59	-39.55	100.54	495.21	-41.75	104.39	495.66	-142.38	1.62
1163	1/17/2021 1:29	1/17/2021 1:30	0:00:30	-12.88	-137.64	478.94	-11.39	-136.53	478.63	-142.87	1.13
1164	1/17/2021 1:44	1/17/2021 1:44	0:00:20	29.78	-104.18	481.78	30.68	-103.21	482.07	-143.64	0.36
1165	1/17/2021 1:45	1/17/2021 1:45	0:00:00	32.86	-100.69	482.82	32.86	-100.69	482.82	-143.84	0.16
1166	1/17/2021 1:57	1/17/2021 1:58	0:00:19	51.77	-42.19	492.36	51.71	-40.22	492.47	-143.80	0.20
1167	1/17/2021 2:30	1/17/2021 2:30	0:00:39	-26.76	60.74	492.33	-28.58	62.58	492.73	-143.49	0.51
1168	1/17/2021 2:35	1/17/2021 2:36	0:01:10	-39.50	76.54	495.13	-42.06	81.04	495.65	-142.14	1.86
1169	1/17/2021 3:03	1/17/2021 3:04	0:00:20	-12.45	-161.24	478.82	-11.46	-160.50	478.62	-142.96	1.04
1170	1/17/2021 3:18	1/17/2021 3:18	0:00:19	30.17	-127.69	481.89	31.06	-126.71	482.18	-143.71	0.29
1171	1/17/2021 3:19	1/17/2021 3:19	0:00:00	33.24	-124.16	482.94	33.24	-124.16	482.94	-143.82	0.18
1172	1/17/2021 3:32	1/17/2021 3:32	0:00:20	51.75	-65.25	492.37	51.68	-63.29	492.48	-143.83	0.17
1173	1/17/2021 4:04	1/17/2021 4:05	0:00:39	-27.16	37.21	492.40	-28.98	39.07	492.80	-143.52	0.48
1174	1/17/2021 4:09	1/17/2021 4:10	0:00:59	-39.83	53.15	495.18	-42.02	57.03	495.62	-141.98	2.02
1175	1/17/2021 4:38	1/17/2021 4:38	0:00:19	-12.01	175.16	478.68	-11.02	175.90	478.49	-142.93	1.07
1176	1/17/2021 4:52	1/17/2021 4:52	0:00:20	30.12	-151.67	481.83	31.01	-150.69	482.12	-143.58	0.42
1177	1/17/2021 5:06	1/17/2021 5:06	0:00:09	51.73	-88.32	492.41	51.69	-87.34	492.46	-143.79	0.21
1178	1/17/2021 5:38	1/17/2021 5:39	0:00:50	-27.10	13.23	492.45	-29.37	15.56	492.94	-143.52	0.48
1179	1/17/2021 5:43	1/17/2021 5:44	0:00:59	-40.16	29.78	495.28	-42.32	33.70	495.71	-142.40	1.60
1180	1/17/2021 6:12	1/17/2021 6:13	0:00:20	-11.58	151.56	478.52	-10.58	152.30	478.33	-142.94	1.06
1181	1/17/2021 6:27	1/17/2021 6:27	0:00:19	30.51	-175.17	481.92	31.40	-174.18	482.22	-143.58	0.42
1182	1/17/2021 6:28	1/17/2021 6:28	0:00:00	33.57	-171.61	482.98	33.57	-171.61	482.98	-143.89	0.11
1183	1/17/2021 6:40	1/17/2021 6:41	0:00:20	51.73	-112.36	492.44	51.64	-110.40	492.54	-143.79	0.21
1184	1/17/2021 7:13	1/17/2021 7:13	0:00:40	-27.50	-10.29	492.67	-29.31	-8.43	493.06	-143.50	0.50
1185	1/17/2021 7:18	1/17/2021 7:19	0:01:10	-40.11	5.78	495.41	-42.62	10.37	495.90	-142.27	1.73
1186	1/17/2021 7:46	1/17/2021 7:47	0:00:21	-11.15	127.96	478.36	-10.15	128.69	478.17	-143.04	0.96
1187	1/17/2021 8:01	1/17/2021 8:01	0:00:20	30.90	161.34	481.90	31.78	162.34	482.20	-143.66	0.34
1188	1/17/2021 8:02	1/17/2021 8:02	0:00:00	33.94	164.92	482.97	33.94	164.92	482.97	-143.86	0.14
1189	1/17/2021 8:15	1/17/2021 8:15	0:00:09	51.70	-135.42	492.38	51.65	-134.45	492.43	-143.81	0.19
1190	1/17/2021 8:47	1/17/2021 8:48	0:00:41	-27.90	-33.81	492.87	-29.70	-31.93	493.27	-143.51	0.49
1191	1/17/2021 8:52	1/17/2021 8:53	0:00:59	-40.43	-17.60	495.60	-42.58	-13.65	496.02	-142.20	1.80
1192	1/17/2021 9:21	1/17/2021 9:21	0:00:20	-11.21	103.99	478.31	-10.22	104.72	478.12	-143.20	0.80
1193	1/17/2021 9:35	1/17/2021 9:35	0:00:10	31.28	137.85	481.86	31.72	138.35	482.01	-143.59	0.41
1194	1/17/2021 9:49	1/17/2021 9:49	0:00:11	51.66	-158.49	492.25	51.60	-157.51	492.30	-143.78	0.22
1195	1/17/2021 10:21	1/17/2021 10:22	0:00:41	-28.30	-57.33	493.02	-30.10	-55.43	493.41	-143.56	0.44
1196	1/17/2021 10:26	1/17/2021 10:27	0:01:00	-40.76	-40.96	495.71	-42.88	-36.97	496.12	-142.57	1.43
1197	1/17/2021 10:55	1/17/2021 10:55	0:00:21	-10.77	80.39	478.20	-9.78	81.12	478.01	-143.36	0.64
1198	1/17/2021 11:09	1/17/2021 11:10	0:00:20	31.23	113.87	481.87	32.11	114.87	482.18	-143.55	0.45
1199	1/17/2021 11:11	1/17/2021 11:11	0:00:00	34.26	117.48	482.95	34.26	117.48	482.95	-143.91	0.09
1200	1/17/2021 11:23	1/17/2021 11:23	0:00:00	51.61	178.44	492.41	51.61	178.44	492.41	-143.71	0.29

Table 11 Departure GN 6 Mbps (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)
1201	1/17/2021 11:55	1/17/2021 11:56	0:00:41	-28.24	-81.31	493.12	-30.04	-79.42	493.52	-143.50	0.50
1202	1/17/2021 12:00	1/17/2021 12:01	0:00:50	-41.07	-64.32	495.89	-42.84	-60.98	496.22	-142.48	1.52
1203	1/17/2021 12:29	1/17/2021 12:30	0:00:20	-10.34	56.78	478.10	-9.35	57.51	477.92	-143.37	0.63
1204	1/17/2021 12:44	1/17/2021 12:44	0:00:21	31.61	90.37	481.96	32.48	91.39	482.27	-143.62	0.38
1205	1/17/2021 12:45	1/17/2021 12:45	0:00:00	34.62	94.02	483.04	34.62	94.02	483.04	-143.88	0.12
1206	1/17/2021 13:30	1/17/2021 13:30	0:00:41	-28.63	-104.84	493.22	-30.42	-102.92	493.61	-143.50	0.50
1207	1/17/2021 13:35	1/17/2021 13:36	0:01:01	-41.03	-88.33	495.86	-43.13	-84.31	496.25	-142.51	1.49
1208	1/17/2021 14:04	1/17/2021 14:04	0:00:19	-9.91	33.17	477.94	-8.91	33.90	477.76	-143.39	0.61
1209	1/17/2021 14:18	1/17/2021 14:18	0:00:11	31.99	66.89	482.04	32.43	67.40	482.19	-143.60	0.40
1210	1/17/2021 14:32	1/17/2021 14:32	0:00:00	51.56	131.32	492.43	51.56	131.32	492.43	-143.95	0.05
1211	1/17/2021 15:04	1/17/2021 15:05	0:00:39	-29.03	-128.35	493.32	-30.81	-126.42	493.70	-143.55	0.45
1212	1/17/2021 15:09	1/17/2021 15:10	0:01:01	-41.34	-111.69	495.92	-43.42	-107.62	496.30	-142.82	1.18
1213	1/17/2021 15:38	1/17/2021 15:38	0:00:09	-9.47	9.57	477.82	-8.98	9.93	477.73	-143.45	0.55
1214	1/17/2021 15:52	1/17/2021 15:53	0:00:21	31.94	42.90	481.99	32.81	43.92	482.30	-143.53	0.47
1215	1/17/2021 15:53	1/17/2021 15:53	0:00:00	34.94	46.57	483.08	34.94	46.57	483.08	-143.93	0.07
1216	1/17/2021 16:38	1/17/2021 16:39	0:00:50	-28.97	-152.34	493.33	-31.20	-149.92	493.81	-143.52	0.48
1217	1/17/2021 16:43	1/17/2021 16:44	0:00:50	-41.66	-135.04	496.00	-43.38	-131.64	496.31	-142.71	1.29
1218	1/17/2021 17:12	1/17/2021 17:12	0:00:09	-9.04	-14.04	477.71	-8.54	-13.68	477.63	-143.56	0.44
1219	1/17/2021 17:26	1/17/2021 17:27	0:00:20	32.32	19.42	482.08	33.19	20.45	482.39	-143.58	0.42
1220	1/17/2021 17:28	1/17/2021 17:28	0:00:00	35.30	23.13	483.17	35.30	23.13	483.17	-143.88	0.12
1221	1/17/2021 17:32	1/17/2021 17:32	0:00:00	44.26	38.31	486.96	44.26	38.31	486.96	-143.94	0.06
1222	1/17/2021 18:13	1/17/2021 18:13	0:00:39	-29.37	-175.84	493.37	-31.14	-173.90	493.76	-143.48	0.52
1223	1/17/2021 18:18	1/17/2021 18:19	0:00:50	-41.97	-158.38	496.00	-43.67	-154.94	496.30	-142.79	1.21
1224	1/17/2021 18:47	1/17/2021 18:47	0:00:11	-8.60	-37.64	477.58	-8.10	-37.28	477.50	-143.74	0.26
1225	1/17/2021 19:01	1/17/2021 19:01	0:00:11	32.70	-4.05	482.20	33.13	-3.53	482.35	-143.60	0.40
1226	1/17/2021 19:02	1/17/2021 19:02	0:00:00	35.25	-0.86	483.14	35.25	-0.86	483.14	-143.99	0.01
1227	1/17/2021 19:06	1/17/2021 19:06	0:00:00	44.54	15.03	487.09	44.54	15.03	487.09	-143.85	0.15
1228	1/17/2021 19:47	1/17/2021 19:47	0:00:39	-29.76	160.65	493.48	-31.53	162.61	493.86	-143.54	0.46
1229	1/17/2021 19:52	1/17/2021 19:53	0:01:00	-41.92	177.61	496.01	-43.96	-178.24	496.36	-143.03	0.97
1230	1/17/2021 20:21	1/17/2021 20:21	0:00:11	-8.16	-61.25	477.48	-7.66	-60.89	477.40	-143.80	0.20
1231	1/17/2021 20:35	1/17/2021 20:35	0:00:20	32.65	-28.04	482.18	33.51	-27.00	482.49	-143.51	0.49
1232	1/17/2021 20:36	1/17/2021 20:36	0:00:00	35.62	-24.30	483.28	35.62	-24.30	483.28	-143.94	0.06
1233	1/17/2021 20:40	1/17/2021 20:40	0:00:11	44.50	-8.98	487.09	44.81	-8.24	487.25	-143.96	0.04
1234	1/17/2021 21:21	1/17/2021 21:22	0:00:50	-29.71	136.67	493.48	-31.91	139.13	493.96	-143.53	0.47
1235	1/17/2021 21:26	1/17/2021 21:27	0:00:50	-42.23	154.28	496.08	-43.92	157.75	496.37	-142.92	1.08
1236	1/17/2021 21:55	1/17/2021 21:55	0:00:00	-7.72	-84.86	477.49	-7.72	-84.86	477.49	-143.85	0.15
1237	1/17/2021 22:09	1/17/2021 22:10	0:00:19	33.03	-51.51	482.37	33.89	-50.46	482.69	-143.56	0.44
1238	1/17/2021 22:10	1/17/2021 22:10	0:00:00	35.98	-47.73	483.48	35.98	-47.73	483.48	-143.89	0.11
1239	1/17/2021 22:15	1/17/2021 22:15	0:00:00	44.77	-32.26	487.28	44.77	-32.26	487.28	-143.74	0.26
1240	1/17/2021 22:55	1/17/2021 22:56	0:00:39	-30.10	113.17	493.58	-31.86	115.14	493.97	-143.47	0.53
1241	1/17/2021 23:00	1/17/2021 23:00	0:00:00	-42.54	130.95	496.22	-42.54	130.95	496.22	-143.71	0.29
1242	1/17/2021 23:01	1/17/2021 23:01	0:00:21	-43.55	133.03	496.40	-44.20	134.45	496.51	-143.09	0.91
1243	1/17/2021 23:30	1/17/2021 23:30	0:00:00	-7.28	-108.47	477.60	-7.28	-108.47	477.60	-143.90	0.10
1244	1/17/2021 23:44	1/17/2021 23:44	0:00:09	33.40	-74.98	482.51	33.83	-74.46	482.66	-143.60	0.40
1245	1/17/2021 23:49	1/17/2021 23:49	0:00:00	45.04	-55.54	487.33	45.04	-55.54	487.33	-143.71	0.29
1246	1/18/2021 0:30	1/18/2021 0:30	0:00:41	-30.49	89.67	493.61	-32.24	91.66	494.01	-143.53	0.47
1247	1/18/2021 0:35	1/18/2021 0:36	0:00:41	-42.84	107.62	496.27	-44.16	110.44	496.50	-143.18	0.82
1248	1/18/2021 1:04	1/18/2021 1:04	0:00:00	-6.85	-132.08	477.64	-6.85	-132.08	477.64	-143.93	0.07
1249	1/18/2021 1:18	1/18/2021 1:18	0:00:20	33.35	-98.98	482.50	34.20	-97.92	482.81	-143.47	0.53
1250	1/18/2021 1:23	1/18/2021 1:23	0:00:09	45.00	-79.56	487.29	45.31	-78.82	487.43	-143.92	0.08
1251	1/18/2021 2:04	1/18/2021 2:05	0:00:50	-30.43	65.68	493.52	-32.62	68.18	494.01	-143.53	0.47
1252	1/18/2021 2:09	1/18/2021 2:09	0:00:00	-42.80	83.61	496.19	-42.80	83.61	496.19	-143.85	0.15
1253	1/18/2021 2:09	1/18/2021 2:10	0:00:21	-43.80	85.71	496.37	-44.44	87.15	496.48	-143.14	0.86
1254	1/18/2021 2:38	1/18/2021 2:38	0:00:00	-6.41	-155.69	477.56	-6.41	-155.69	477.56	-143.98	0.02
1255	1/18/2021 2:52	1/18/2021 2:53	0:00:20	33.72	-122.44	482.62	34.57	-121.37	482.93	-143.52	0.48
1256	1/18/2021 2:57	1/18/2021 2:57	0:00:00	45.27	-102.83	487.39	45.27	-102.83	487.39	-143.77	0.23
1257	1/18/2021 3:05	1/18/2021 3:05	0:00:00	51.56	-60.08	492.18	51.56	-60.08	492.18	-143.89	0.11
1258	1/18/2021 3:38	1/18/2021 3:39	0:00:41	-30.82	42.19	493.59	-32.57	44.19	493.98	-143.48	0.52
1259	1/18/2021 3:43	1/18/2021 3:43	0:00:00	-43.10	60.30	496.23	-43.10	60.30	496.23	-143.82	0.18
1260	1/18/2021 3:44	1/18/2021 3:44	0:00:11	-44.09	62.41	496.40	-44.41	63.14	496.46	-143.40	0.60

Table 11 Departure GN 6 Mbps (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)
1261	1/18/2021 4:27	1/18/2021 4:27	0:00:09	34.10	-145.90	482.71	34.52	-145.36	482.87	-143.58	0.42
1262	1/18/2021 4:32	1/18/2021 4:32	0:00:00	45.54	-126.09	487.49	45.54	-126.09	487.49	-143.91	0.09
1263	1/18/2021 4:40	1/18/2021 4:40	0:00:00	51.51	-83.14	492.20	51.51	-83.14	492.20	-143.63	0.37
1264	1/18/2021 4:50	1/18/2021 4:50	0:00:00	33.65	-35.65	491.05	33.65	-35.65	491.05	-143.86	0.14
1265	1/18/2021 5:12	1/18/2021 5:13	0:00:50	-30.77	18.21	493.62	-32.95	20.72	494.11	-143.52	0.48
1266	1/18/2021 5:18	1/18/2021 5:18	0:00:40	-43.39	36.99	496.30	-44.68	39.86	496.52	-143.29	0.71
1267	1/18/2021 6:01	1/18/2021 6:01	0:00:20	34.05	-169.88	482.66	34.89	-168.80	482.98	-143.40	0.60
1268	1/18/2021 6:06	1/18/2021 6:06	0:00:00	45.50	-150.10	487.47	45.50	-150.10	487.47	-143.93	0.07
1269	1/18/2021 6:14	1/18/2021 6:14	0:00:11	51.51	-107.18	492.23	51.44	-106.21	492.28	-143.52	0.48
1270	1/18/2021 6:24	1/18/2021 6:24	0:00:00	33.27	-59.12	491.07	33.27	-59.12	491.07	-143.70	0.30
1271	1/18/2021 6:47	1/18/2021 6:47	0:00:50	-31.16	-5.28	493.84	-33.32	-2.74	494.33	-143.52	0.48
1272	1/18/2021 6:52	1/18/2021 6:52	0:00:00	-43.35	12.98	496.42	-43.35	12.98	496.42	-143.90	0.10
1273	1/18/2021 6:52	1/18/2021 6:53	0:00:20	-44.33	15.12	496.59	-44.96	16.58	496.69	-143.42	0.58
1274	1/18/2021 7:35	1/18/2021 7:35	0:00:09	34.42	166.67	482.66	34.84	167.21	482.81	-143.53	0.47
1275	1/18/2021 7:40	1/18/2021 7:40	0:00:00	45.76	-173.35	487.46	45.76	-173.35	487.46	-143.94	0.06
1276	1/18/2021 7:48	1/18/2021 7:48	0:00:10	51.45	-130.24	492.18	51.36	-129.28	492.23	-143.54	0.46
1277	1/18/2021 7:59	1/18/2021 7:59	0:00:00	32.89	-82.58	491.00	32.89	-82.58	491.00	-143.68	0.32
1278	1/18/2021 8:21	1/18/2021 8:22	0:00:41	-31.54	-28.77	494.06	-33.27	-26.73	494.45	-143.49	0.51
1279	1/18/2021 8:26	1/18/2021 8:26	0:00:00	-43.64	-10.33	496.61	-43.64	-10.33	496.61	-143.97	0.03
1280	1/18/2021 8:27	1/18/2021 8:27	0:00:09	-44.61	-8.17	496.77	-44.92	-7.43	496.82	-143.42	0.58
1281	1/18/2021 8:59	1/18/2021 8:59	0:00:00	3.91	115.90	476.53	3.91	115.90	476.53	-143.95	0.05
1282	1/18/2021 9:09	1/18/2021 9:10	0:00:11	34.79	143.22	482.61	35.21	143.76	482.77	-143.57	0.43
1283	1/18/2021 9:22	1/18/2021 9:22	0:00:00	51.37	-153.31	492.04	51.37	-153.31	492.04	-143.31	0.69
1284	1/18/2021 9:33	1/18/2021 9:33	0:00:00	32.51	-106.05	490.86	32.51	-106.05	490.86	-144.00	0.00
1285	1/18/2021 9:55	1/18/2021 9:56	0:00:50	-31.49	-52.75	494.10	-33.65	-50.19	494.58	-143.51	0.49
1286	1/18/2021 10:01	1/18/2021 10:01	0:00:20	-44.57	-32.18	496.81	-45.19	-30.70	496.90	-143.34	0.66
1287	1/18/2021 10:44	1/18/2021 10:44	0:00:20	34.74	119.23	482.63	35.58	120.33	482.95	-143.44	0.56
1288	1/18/2021 10:57	1/18/2021 10:57	0:00:10	51.38	-177.35	492.14	51.29	-176.39	492.19	-143.56	0.44
1289	1/18/2021 11:20	1/18/2021 11:20	0:00:00	-3.63	-100.18	489.43	-3.63	-100.18	489.43	-143.99	0.01
1290	1/18/2021 11:29	1/18/2021 11:30	0:00:50	-31.87	-76.23	494.31	-34.02	-73.65	494.79	-143.50	0.50
1291	1/18/2021 11:35	1/18/2021 11:35	0:00:00	-43.89	-57.63	496.80	-43.89	-57.63	496.80	-143.94	0.06
1292	1/18/2021 11:35	1/18/2021 11:35	0:00:09	-44.84	-55.46	496.96	-45.15	-54.71	497.01	-143.56	0.44
1293	1/18/2021 12:18	1/18/2021 12:18	0:00:11	35.11	95.78	482.73	35.53	96.33	482.89	-143.64	0.36
1294	1/18/2021 12:31	1/18/2021 12:31	0:00:09	51.30	159.57	492.19	51.21	160.53	492.24	-143.80	0.20
1295	1/18/2021 12:54	1/18/2021 12:54	0:00:00	-4.06	-123.80	489.52	-4.06	-123.80	489.52	-143.88	0.12
1296	1/18/2021 13:04	1/18/2021 13:04	0:00:50	-31.82	-100.22	494.30	-33.97	-97.64	494.77	-143.44	0.56
1297	1/18/2021 13:10	1/18/2021 13:10	0:00:09	-45.11	-78.73	496.98	-45.42	-77.98	497.02	-143.35	0.65
1298	1/18/2021 13:11	1/18/2021 13:11	0:00:00	-47.63	-71.68	497.29	-47.63	-71.68	497.29	-143.94	0.06
1299	1/18/2021 13:51	1/18/2021 13:51	0:00:00	31.63	67.60	481.43	31.63	67.60	481.43	-143.99	0.01
1300	1/18/2021 13:52	1/18/2021 13:52	0:00:11	35.48	72.34	482.82	35.89	72.90	482.98	-143.61	0.39
1301	1/18/2021 14:05	1/18/2021 14:05	0:00:00	51.22	136.49	492.22	51.22	136.49	492.22	-143.84	0.16
1302	1/18/2021 14:38	1/18/2021 14:39	0:00:50	-32.20	-123.71	494.39	-34.34	-121.10	494.86	-143.44	0.56
1303	1/18/2021 14:44	1/18/2021 14:44	0:00:09	-45.08	-102.75	496.96	-45.38	-102.00	497.00	-143.43	0.57
1304	1/18/2021 14:45	1/18/2021 14:45	0:00:00	-47.85	-94.88	497.29	-47.85	-94.88	497.29	-143.96	0.04
1305	1/18/2021 15:25	1/18/2021 15:25	0:00:00	32.01	44.12	481.54	32.01	44.12	481.54	-143.98	0.02
1306	1/18/2021 15:26	1/18/2021 15:27	0:00:11	35.43	48.35	482.77	35.84	48.90	482.93	-143.58	0.42
1307	1/18/2021 15:39	1/18/2021 15:39	0:00:00	51.13	113.41	492.23	51.13	113.41	492.23	-143.93	0.07
1308	1/18/2021 16:12	1/18/2021 16:13	0:01:01	-32.15	-147.69	494.40	-34.71	-144.56	494.97	-143.44	0.56
1309	1/18/2021 16:18	1/18/2021 16:18	0:00:09	-45.35	-126.02	497.02	-45.64	-125.26	497.07	-143.42	0.58
1310	1/18/2021 16:19	1/18/2021 16:19	0:00:00	-47.82	-118.91	497.31	-47.82	-118.91	497.31	-143.76	0.24
1311	1/18/2021 17:01	1/18/2021 17:01	0:00:11	35.79	24.91	482.86	36.20	25.47	483.02	-143.76	0.24
1312	1/18/2021 17:19	1/18/2021 17:19	0:00:00	44.56	114.95	492.37	44.56	114.95	492.37	-143.74	0.26
1313	1/18/2021 17:37	1/18/2021 17:37	0:00:00	-4.89	165.01	489.60	-4.89	165.01	489.60	-143.96	0.04
1314	1/18/2021 17:46	1/18/2021 17:47	0:00:50	-32.53	-171.17	494.44	-34.66	-168.54	494.91	-143.40	0.60
1315	1/18/2021 17:52	1/18/2021 17:53	0:00:20	-45.31	-150.03	496.96	-45.90	-148.51	497.04	-143.34	0.66
1316	1/18/2021 17:54	1/18/2021 17:54	0:00:00	-48.04	-142.09	497.26	-48.04	-142.09	497.26	-143.67	0.33
1317	1/18/2021 18:35	1/18/2021 18:35	0:00:00	36.07	1.28	483.51	36.07	1.28	483.51	-143.72	0.28
1318	1/18/2021 19:21	1/18/2021 19:22	0:00:50	-32.81	165.15	494.54	-34.93	167.79	494.99	-143.39	0.61
1319	1/18/2021 19:27	1/18/2021 19:27	0:00:09	-45.50	-173.55	496.96	-45.80	-172.79	497.00	-143.41	0.59
1320	1/18/2021 19:28	1/18/2021 19:29	0:00:11	-47.95	-166.40	497.22	-48.19	-165.57	497.24	-143.68	0.32

Table 11 Departure GN 6 Mbps (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)
1321	1/18/2021 20:09	1/18/2021 20:10	0:00:11	36.01	-22.73	483.49	36.42	-22.17	483.65	-143.66	0.34
1322	1/18/2021 20:56	1/18/2021 20:56	0:00:50	-33.18	141.67	494.62	-35.29	144.33	495.07	-143.40	0.60
1323	1/18/2021 21:01	1/18/2021 21:01	0:00:09	-45.76	163.17	497.00	-46.05	163.94	497.04	-143.40	0.60
1324	1/18/2021 21:03	1/18/2021 21:03	0:00:11	-48.15	170.38	497.25	-48.39	171.23	497.26	-143.48	0.52
1325	1/18/2021 21:28	1/18/2021 21:28	0:00:00	-8.26	-84.21	477.64	-8.26	-84.21	477.64	-143.82	0.18
1326	1/18/2021 21:44	1/18/2021 21:44	0:00:11	36.36	-46.18	483.68	36.76	-45.61	483.85	-143.84	0.16
1327	1/18/2021 22:30	1/18/2021 22:30	0:00:50	-33.11	117.66	494.64	-35.22	120.32	495.10	-143.41	0.59
1328	1/18/2021 22:35	1/18/2021 22:36	0:00:11	-46.00	139.89	497.14	-46.29	140.67	497.18	-143.26	0.74
1329	1/18/2021 22:37	1/18/2021 22:37	0:00:00	-48.35	147.17	497.38	-48.35	147.17	497.38	-143.37	0.63
1330	1/18/2021 23:03	1/18/2021 23:03	0:00:09	-8.34	-108.19	477.83	-7.84	-107.83	477.75	-143.67	0.33
1331	1/18/2021 23:18	1/18/2021 23:18	0:00:00	36.70	-69.63	483.80	36.70	-69.63	483.80	-143.78	0.22
1332	1/18/2021 23:31	1/18/2021 23:31	0:00:00	51.32	-8.15	492.60	51.32	-8.15	492.60	-143.99	0.01
1333	1/19/2021 0:04	1/19/2021 0:05	0:00:50	-33.48	94.18	494.68	-35.58	96.86	495.14	-143.39	0.61
1334	1/19/2021 0:09	1/19/2021 0:09	0:00:00	-45.06	113.58	497.01	-45.06	113.58	497.01	-143.98	0.02
1335	1/19/2021 0:10	1/19/2021 0:10	0:00:09	-45.96	115.85	497.15	-46.25	116.62	497.18	-143.51	0.49
1336	1/19/2021 0:11	1/19/2021 0:11	0:00:10	-48.32	123.12	497.41	-48.55	123.97	497.42	-143.63	0.37
1337	1/19/2021 0:37	1/19/2021 0:37	0:00:19	-8.42	-132.18	477.95	-7.42	-131.45	477.79	-143.46	0.54
1338	1/19/2021 0:52	1/19/2021 0:53	0:00:11	36.63	-93.65	483.78	37.04	-93.07	483.94	-143.72	0.28
1339	1/19/2021 1:05	1/19/2021 1:05	0:00:11	51.33	-32.23	492.51	51.24	-31.26	492.55	-143.72	0.28
1340	1/19/2021 1:23	1/19/2021 1:23	0:00:00	12.09	33.17	489.14	12.09	33.17	489.14	-143.86	0.14
1341	1/19/2021 1:38	1/19/2021 1:39	0:00:50	-33.84	70.70	494.68	-35.93	73.41	495.14	-143.38	0.62
1342	1/19/2021 1:44	1/19/2021 1:44	0:00:11	-46.20	92.58	497.11	-46.49	93.36	497.15	-143.21	0.79
1343	1/19/2021 1:46	1/19/2021 1:46	0:00:09	-48.51	99.91	497.35	-48.74	100.77	497.37	-143.54	0.46
1344	1/19/2021 2:11	1/19/2021 2:11	0:00:09	-7.99	-155.79	477.87	-7.49	-155.43	477.79	-143.21	0.79
1345	1/19/2021 2:27	1/19/2021 2:27	0:00:09	36.98	-117.09	483.90	37.38	-116.51	484.06	-143.88	0.12
1346	1/19/2021 2:39	1/19/2021 2:39	0:00:20	51.35	-56.29	492.48	51.15	-54.37	492.56	-143.63	0.37
1347	1/19/2021 2:57	1/19/2021 2:57	0:00:00	11.67	9.56	489.10	11.67	9.56	489.10	-143.64	0.36
1348	1/19/2021 3:13	1/19/2021 3:13	0:00:50	-33.78	46.69	494.64	-35.87	49.40	495.11	-143.40	0.60
1349	1/19/2021 3:18	1/19/2021 3:18	0:00:09	-46.16	68.54	497.09	-46.45	69.32	497.12	-143.39	0.61
1350	1/19/2021 3:20	1/19/2021 3:20	0:00:00	-48.71	76.71	497.34	-48.71	76.71	497.34	-143.68	0.32
1351	1/19/2021 3:45	1/19/2021 3:45	0:00:09	-7.56	-179.41	477.76	-7.06	-179.05	477.68	-143.17	0.83
1352	1/19/2021 4:01	1/19/2021 4:01	0:00:11	36.92	-141.09	483.84	37.32	-140.52	484.00	-143.81	0.19
1353	1/19/2021 4:13	1/19/2021 4:13	0:00:10	51.27	-79.39	492.49	51.17	-78.44	492.53	-143.55	0.45
1354	1/19/2021 4:31	1/19/2021 4:31	0:00:10	11.74	-14.42	489.15	11.24	-14.05	489.14	-143.62	0.38
1355	1/19/2021 4:47	1/19/2021 4:48	0:00:50	-34.14	23.22	494.76	-36.22	25.95	495.22	-143.37	0.63
1356	1/19/2021 4:52	1/19/2021 4:52	0:00:00	-45.54	42.97	497.01	-45.54	42.97	497.01	-143.91	0.09
1357	1/19/2021 4:52	1/19/2021 4:53	0:00:11	-46.40	45.28	497.13	-46.68	46.07	497.17	-143.44	0.56
1358	1/19/2021 4:54	1/19/2021 4:54	0:00:09	-48.67	52.66	497.35	-48.89	53.53	497.36	-143.82	0.18
1359	1/19/2021 5:20	1/19/2021 5:20	0:00:20	-7.64	156.61	477.70	-6.63	157.33	477.54	-143.08	0.92
1360	1/19/2021 5:35	1/19/2021 5:35	0:00:09	37.27	-164.52	483.95	37.67	-163.94	484.11	-143.77	0.23
1361	1/19/2021 5:47	1/19/2021 5:48	0:00:20	51.28	-103.46	492.53	51.08	-101.54	492.61	-143.41	0.59
1362	1/19/2021 6:05	1/19/2021 6:05	0:00:09	11.31	-38.03	489.25	10.82	-37.66	489.23	-143.61	0.39
1363	1/19/2021 6:21	1/19/2021 6:22	0:00:51	-34.50	-0.25	494.97	-36.56	2.51	495.42	-143.37	0.63
1364	1/19/2021 6:27	1/19/2021 6:27	0:00:20	-46.36	21.24	497.24	-46.91	22.82	497.31	-143.36	0.64
1365	1/19/2021 6:28	1/19/2021 6:28	0:00:00	-48.86	29.47	497.47	-48.86	29.47	497.47	-143.86	0.14
1366	1/19/2021 6:54	1/19/2021 6:54	0:00:09	-7.21	132.99	477.55	-6.71	133.35	477.48	-143.09	0.91
1367	1/19/2021 7:09	1/19/2021 7:10	0:00:10	37.21	171.47	483.79	37.61	172.05	483.95	-143.83	0.17
1368	1/19/2021 7:21	1/19/2021 7:22	0:00:21	51.30	-127.52	492.44	51.09	-125.61	492.52	-143.27	0.73
1369	1/19/2021 7:40	1/19/2021 7:40	0:00:09	10.89	-61.64	489.28	10.39	-61.28	489.26	-143.61	0.39
1370	1/19/2021 7:55	1/19/2021 7:56	0:00:50	-34.43	-24.26	495.10	-36.50	-21.50	495.55	-143.40	0.60
1371	1/19/2021 7:58	1/19/2021 7:58	0:00:00	-41.48	-13.57	496.58	-41.48	-13.57	496.58	-143.97	0.03
1372	1/19/2021 8:00	1/19/2021 8:00	0:00:00	-45.74	-4.35	497.30	-45.74	-4.35	497.30	-143.88	0.12
1373	1/19/2021 8:01	1/19/2021 8:01	0:00:11	-46.60	-2.02	497.41	-46.87	-1.23	497.45	-143.60	0.40
1374	1/19/2021 8:28	1/19/2021 8:28	0:00:11	-6.79	109.37	477.41	-6.28	109.73	477.34	-142.78	1.22
1375	1/19/2021 8:43	1/19/2021 8:44	0:00:20	37.15	147.46	483.57	37.94	148.63	483.89	-143.78	0.22
1376	1/19/2021 8:56	1/19/2021 8:56	0:00:20	51.21	-150.62	492.28	50.99	-148.72	492.36	-143.25	0.75
1377	1/19/2021 9:14	1/19/2021 9:14	0:00:11	10.46	-85.25	489.27	9.97	-84.89	489.26	-143.54	0.46
1378	1/19/2021 9:30	1/19/2021 9:30	0:00:50	-34.79	-47.72	495.22	-36.85	-44.94	495.67	-143.35	0.65
1379	1/19/2021 9:35	1/19/2021 9:36	0:00:41	-45.99	-27.61	497.38	-47.10	-24.46	497.51	-143.42	0.58
1380	1/19/2021 10:02	1/19/2021 10:03	0:00:20	-6.86	85.40	477.39	-5.85	86.12	477.24	-142.81	1.19

Table 11 Departure GN 6 Mbps (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)
1381	1/19/2021 10:18	1/19/2021 10:18	0:00:20	37.49	124.03	483.75	38.28	125.21	484.07	-143.78	0.22
1382	1/19/2021 10:30	1/19/2021 10:30	0:00:30	51.23	-174.69	492.37	50.89	-171.83	492.49	-142.93	1.07
1383	1/19/2021 10:48	1/19/2021 10:49	0:00:20	10.54	-109.23	489.37	9.54	-108.50	489.35	-143.43	0.57
1384	1/19/2021 11:04	1/19/2021 11:05	0:00:41	-35.15	-71.18	495.42	-36.79	-68.95	495.78	-143.36	0.64
1385	1/19/2021 11:07	1/19/2021 11:07	0:00:00	-41.74	-60.95	496.79	-41.74	-60.95	496.79	-143.96	0.04
1386	1/19/2021 11:09	1/19/2021 11:09	0:00:00	-45.95	-51.65	497.48	-45.95	-51.65	497.48	-143.97	0.03
1387	1/19/2021 11:09	1/19/2021 11:10	0:00:11	-46.79	-49.31	497.58	-47.06	-48.51	497.61	-143.60	0.40
1388	1/19/2021 11:37	1/19/2021 11:37	0:00:11	-6.43	61.78	477.32	-5.93	62.13	477.24	-142.98	1.02
1389	1/19/2021 11:52	1/19/2021 11:52	0:00:09	37.83	100.60	483.85	38.22	101.19	484.01	-143.74	0.26
1390	1/19/2021 12:04	1/19/2021 12:05	0:00:20	51.14	162.20	492.43	50.91	164.10	492.51	-143.25	0.75
1391	1/19/2021 12:22	1/19/2021 12:23	0:00:21	10.12	-132.85	489.42	9.12	-132.12	489.40	-143.33	0.67
1392	1/19/2021 12:38	1/19/2021 12:39	0:00:50	-35.08	-95.19	495.40	-37.13	-92.39	495.84	-143.39	0.61
1393	1/19/2021 12:41	1/19/2021 12:41	0:00:00	-42.03	-84.32	496.83	-42.03	-84.32	496.83	-143.89	0.11
1394	1/19/2021 12:43	1/19/2021 12:44	0:00:41	-46.19	-74.93	497.48	-47.28	-71.75	497.60	-143.46	0.54
1395	1/19/2021 13:11	1/19/2021 13:11	0:00:21	-6.51	37.80	477.25	-5.51	38.51	477.11	-143.07	0.93
1396	1/19/2021 13:13	1/19/2021 13:13	0:00:00	1.03	43.13	476.53	1.03	43.13	476.53	-143.97	0.03
1397	1/19/2021 13:26	1/19/2021 13:27	0:00:19	37.77	76.59	483.78	38.55	77.78	484.10	-143.68	0.32
1398	1/19/2021 13:38	1/19/2021 13:39	0:00:21	51.16	138.13	492.41	50.93	140.03	492.50	-143.23	0.77
1399	1/19/2021 13:57	1/19/2021 13:57	0:00:20	9.69	-156.46	489.45	8.70	-155.74	489.44	-143.22	0.78
1400	1/19/2021 14:12	1/19/2021 14:13	0:00:50	-35.44	-118.65	495.48	-37.47	-115.83	495.91	-143.32	0.68
1401	1/19/2021 14:15	1/19/2021 14:15	0:00:00	-41.98	-108.34	496.81	-41.98	-108.34	496.81	-143.95	0.05
1402	1/19/2021 14:18	1/19/2021 14:18	0:00:31	-46.43	-98.19	497.49	-47.24	-95.80	497.58	-143.54	0.46
1403	1/19/2021 14:45	1/19/2021 14:45	0:00:29	-6.58	13.82	477.22	-5.08	14.89	477.01	-143.13	0.87
1404	1/19/2021 14:48	1/19/2021 14:48	0:00:00	1.46	19.50	476.47	1.46	19.50	476.47	-143.93	0.07
1405	1/19/2021 15:01	1/19/2021 15:01	0:00:20	38.10	53.16	483.89	38.89	54.37	484.21	-143.65	0.35
1406	1/19/2021 15:10	1/19/2021 15:10	0:00:00	51.57	95.50	491.11	51.57	95.50	491.11	-143.92	0.08
1407	1/19/2021 15:13	1/19/2021 15:13	0:00:20	51.06	115.02	492.43	50.82	116.91	492.51	-143.43	0.57
1408	1/19/2021 15:31	1/19/2021 15:31	0:00:19	9.27	179.92	489.45	8.28	-179.36	489.44	-143.10	0.90
1409	1/19/2021 15:47	1/19/2021 15:47	0:00:39	-35.79	-142.11	495.59	-37.41	-139.84	495.93	-143.36	0.64
1410	1/19/2021 15:50	1/19/2021 15:50	0:00:00	-42.28	-131.70	496.89	-42.28	-131.70	496.89	-143.74	0.26
1411	1/19/2021 15:52	1/19/2021 15:52	0:00:00	-46.39	-122.23	497.52	-46.39	-122.23	497.52	-143.88	0.12
1412	1/19/2021 15:52	1/19/2021 15:53	0:00:11	-47.21	-119.85	497.60	-47.47	-119.04	497.63	-143.55	0.45
1413	1/19/2021 16:19	1/19/2021 16:20	0:00:39	-6.66	-10.16	477.20	-4.65	-8.73	476.93	-143.18	0.82
1414	1/19/2021 16:35	1/19/2021 16:35	0:00:19	38.05	29.15	483.82	38.83	30.35	484.14	-143.60	0.40
1415	1/19/2021 16:44	1/19/2021 16:44	0:00:00	51.62	72.40	491.13	51.62	72.40	491.13	-143.90	0.10
1416	1/19/2021 16:47	1/19/2021 16:47	0:00:21	51.08	90.95	492.36	50.84	92.85	492.44	-143.53	0.47
1417	1/19/2021 17:06	1/19/2021 17:06	0:00:20	8.85	156.31	489.41	7.85	157.03	489.41	-142.97	1.03
1418	1/19/2021 17:21	1/19/2021 17:22	0:00:50	-35.73	-166.11	495.52	-37.75	-163.26	495.95	-143.39	0.61
1419	1/19/2021 17:24	1/19/2021 17:24	0:00:09	-42.23	-155.72	496.82	-42.58	-155.04	496.88	-143.81	0.19
1420	1/19/2021 17:26	1/19/2021 17:27	0:00:30	-46.63	-145.49	497.48	-47.43	-143.08	497.56	-143.48	0.52
1421	1/19/2021 17:54	1/19/2021 17:54	0:00:29	-6.23	-33.78	477.08	-4.72	-32.70	476.88	-143.23	0.77
1422	1/19/2021 18:09	1/19/2021 18:10	0:00:20	38.39	5.74	483.94	39.16	6.95	484.26	-143.53	0.47
1423	1/19/2021 18:18	1/19/2021 18:18	0:00:00	51.61	48.34	491.12	51.61	48.34	491.12	-143.76	0.24
1424	1/19/2021 18:21	1/19/2021 18:22	0:00:20	50.98	67.85	492.40	50.73	69.73	492.47	-143.66	0.34
1425	1/19/2021 18:40	1/19/2021 18:40	0:00:09	8.42	132.69	489.44	7.92	133.05	489.44	-143.11	0.89
1426	1/19/2021 18:55	1/19/2021 18:56	0:00:40	-36.08	170.44	495.62	-37.69	172.73	495.95	-143.35	0.65
1427	1/19/2021 18:58	1/19/2021 18:58	0:00:00	-42.53	-179.06	496.89	-42.53	-179.06	496.89	-143.70	0.30
1428	1/19/2021 19:00	1/19/2021 19:00	0:00:00	-46.59	-169.52	497.48	-46.59	-169.52	497.48	-143.90	0.10
1429	1/19/2021 19:01	1/19/2021 19:01	0:00:11	-47.39	-167.12	497.56	-47.65	-166.30	497.58	-143.86	0.14
1430	1/19/2021 19:28	1/19/2021 19:28	0:00:30	-5.80	-57.39	476.98	-4.29	-56.32	476.79	-143.31	0.69
1431	1/19/2021 19:43	1/19/2021 19:44	0:00:30	38.33	-18.27	483.93	39.49	-16.44	484.41	-143.55	0.45
1432	1/19/2021 19:52	1/19/2021 19:52	0:00:00	51.66	25.26	491.24	51.66	25.26	491.24	-143.77	0.23
1433	1/19/2021 19:56	1/19/2021 19:56	0:00:09	50.88	44.74	492.49	50.75	45.68	492.52	-143.74	0.26
1434	1/19/2021 20:14	1/19/2021 20:14	0:00:11	7.99	109.08	489.48	7.49	109.44	489.48	-143.38	0.62
1435	1/19/2021 20:30	1/19/2021 20:30	0:00:39	-36.43	147.00	495.70	-38.03	149.31	496.03	-143.37	0.63
1436	1/19/2021 20:32	1/19/2021 20:32	0:00:09	-42.48	156.92	496.89	-42.82	157.60	496.95	-143.54	0.46
1437	1/19/2021 20:35	1/19/2021 20:35	0:00:00	-46.83	167.24	497.52	-46.83	167.24	497.52	-143.88	0.12
1438	1/19/2021 20:35	1/19/2021 20:35	0:00:00	-47.61	169.66	497.59	-47.61	169.66	497.59	-143.81	0.19
1439	1/19/2021 21:02	1/19/2021 21:03	0:00:30	-5.36	-81.01	477.00	-3.86	-79.94	476.81	-143.41	0.59
1440	1/19/2021 21:18	1/19/2021 21:18	0:00:20	38.67	-41.68	484.12	39.44	-40.46	484.44	-143.39	0.61

Table 11 Departure GN 6 Mbps (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)
1441	1/19/2021 21:27	1/19/2021 21:27	0:00:00	51.65	1.19	491.26	51.65	1.19	491.26	-143.87	0.13
1442	1/19/2021 21:30	1/19/2021 21:30	0:00:11	50.89	20.67	492.51	50.76	21.61	492.54	-143.80	0.20
1443	1/19/2021 21:48	1/19/2021 21:49	0:00:21	8.06	85.10	489.41	7.06	85.82	489.41	-143.39	0.61
1444	1/19/2021 22:04	1/19/2021 22:05	0:00:49	-36.37	122.99	495.73	-38.37	125.89	496.16	-143.41	0.59
1445	1/19/2021 22:07	1/19/2021 22:07	0:00:11	-42.77	133.58	497.02	-43.11	134.27	497.08	-143.70	0.30
1446	1/19/2021 22:36	1/19/2021 22:37	0:00:41	-5.44	-105.00	477.17	-3.43	-103.57	476.93	-143.65	0.35
1447	1/19/2021 22:52	1/19/2021 22:52	0:00:20	38.99	-65.09	484.22	39.76	-63.86	484.54	-143.45	0.55
1448	1/19/2021 23:01	1/19/2021 23:01	0:00:00	51.69	-21.91	491.21	51.69	-21.91	491.21	-143.89	0.11
1449	1/19/2021 23:04	1/19/2021 23:04	0:00:09	50.78	-2.46	492.39	50.65	-1.52	492.42	-143.86	0.14
1450	1/19/2021 23:23	1/19/2021 23:23	0:00:20	7.63	61.48	489.24	6.64	62.19	489.25	-143.47	0.53
1451	1/19/2021 23:38	1/19/2021 23:39	0:00:39	-36.72	99.55	495.78	-38.31	101.88	496.13	-143.37	0.63
1452	1/19/2021 23:41	1/19/2021 23:41	0:00:10	-42.72	109.55	497.02	-43.07	110.24	497.08	-143.43	0.57
1453	1/19/2021 23:43	1/19/2021 23:43	0:00:00	-47.02	119.95	497.68	-47.02	119.95	497.68	-143.76	0.24
1454	1/20/2021 0:11	1/20/2021 0:11	0:00:41	-5.01	-128.62	477.23	-3.00	-127.20	476.99	-143.82	0.18
1455	1/20/2021 0:26	1/20/2021 0:27	0:00:30	38.93	-89.11	484.20	40.08	-87.25	484.67	-143.55	0.45
1456	1/20/2021 0:38	1/20/2021 0:39	0:00:11	50.80	-26.53	492.28	50.67	-25.59	492.32	-143.84	0.16
1457	1/20/2021 0:57	1/20/2021 0:57	0:00:11	7.21	37.86	489.12	6.71	38.21	489.13	-143.58	0.42
1458	1/20/2021 1:13	1/20/2021 1:13	0:00:40	-37.07	76.11	495.78	-38.64	78.46	496.13	-143.39	0.61
1459	1/20/2021 1:15	1/20/2021 1:15	0:00:11	-43.02	86.21	497.00	-43.35	86.91	497.06	-143.39	0.61
1460	1/20/2021 1:45	1/20/2021 1:45	0:00:00	-4.58	-152.24	477.17	-4.58	-152.24	477.17	-143.91	0.09
1461	1/20/2021 1:46	1/20/2021 1:46	0:00:00	-3.08	-151.17	477.00	-3.08	-151.17	477.00	-143.78	0.22
1462	1/20/2021 2:00	1/20/2021 2:01	0:00:21	39.27	-112.51	484.32	40.02	-111.27	484.64	-143.61	0.39
1463	1/20/2021 2:13	1/20/2021 2:13	0:00:09	50.69	-49.65	492.29	50.55	-48.71	492.32	-143.85	0.15
1464	1/20/2021 2:31	1/20/2021 2:31	0:00:09	6.78	14.24	489.10	6.28	14.60	489.10	-143.74	0.26
1465	1/20/2021 2:47	1/20/2021 2:48	0:00:50	-37.01	52.10	495.75	-38.98	55.06	496.17	-143.41	0.59
1466	1/20/2021 2:49	1/20/2021 2:50	0:00:21	-42.97	62.19	496.97	-43.64	63.59	497.09	-143.47	0.53
1467	1/20/2021 2:52	1/20/2021 2:52	0:00:00	-47.21	72.67	497.61	-47.21	72.67	497.61	-143.89	0.11
1468	1/20/2021 3:19	1/20/2021 3:19	0:00:00	-4.15	-175.86	477.07	-4.15	-175.86	477.07	-143.94	0.06
1469	1/20/2021 3:20	1/20/2021 3:20	0:00:00	-2.64	-174.79	476.91	-2.64	-174.79	476.91	-143.70	0.30
1470	1/20/2021 3:35	1/20/2021 3:35	0:00:20	39.59	-135.91	484.41	40.35	-134.65	484.73	-143.67	0.33
1471	1/20/2021 3:47	1/20/2021 3:47	0:00:19	50.71	-73.70	492.25	50.42	-71.84	492.31	-143.78	0.22
1472	1/20/2021 4:06	1/20/2021 4:06	0:00:09	6.35	-9.38	489.15	5.85	-9.02	489.16	-143.92	0.08
1473	1/20/2021 4:21	1/20/2021 4:22	0:00:40	-37.35	28.68	495.85	-38.92	31.05	496.19	-143.37	0.63
1474	1/20/2021 4:24	1/20/2021 4:24	0:00:11	-43.26	38.86	497.04	-43.59	39.56	497.10	-143.25	0.75
1475	1/20/2021 4:54	1/20/2021 4:55	0:00:21	-2.21	161.59	476.80	-1.20	162.30	476.71	-143.64	0.36
1476	1/20/2021 5:09	1/20/2021 5:09	0:00:11	39.92	-159.29	484.54	40.30	-158.66	484.69	-143.72	0.28
1477	1/20/2021 5:21	1/20/2021 5:21	0:00:20	50.73	-97.75	492.29	50.44	-95.89	492.35	-143.75	0.25
1478	1/20/2021 5:40	1/20/2021 5:40	0:00:00	5.92	-32.99	489.27	5.92	-32.99	489.27	-144.00	0.00
1479	1/20/2021 5:55	1/20/2021 5:56	0:00:41	-37.69	5.25	496.05	-39.25	7.65	496.38	-143.40	0.60
1480	1/20/2021 5:58	1/20/2021 5:58	0:00:21	-43.21	14.84	497.15	-43.87	16.25	497.26	-143.53	0.47
1481	1/20/2021 6:02	1/20/2021 6:02	0:00:00	-50.16	36.65	497.84	-50.16	36.65	497.84	-143.78	0.22
1482	1/20/2021 6:28	1/20/2021 6:29	0:00:20	-1.78	137.97	476.67	-0.77	138.68	476.59	-143.55	0.45
1483	1/20/2021 6:44	1/20/2021 6:44	0:00:00	40.61	177.97	484.70	40.61	177.97	484.70	-143.69	0.31
1484	1/20/2021 6:55	1/20/2021 6:56	0:00:20	50.61	-120.87	492.25	50.31	-119.02	492.31	-143.68	0.32
1485	1/20/2021 7:30	1/20/2021 7:30	0:00:50	-37.64	-18.76	496.19	-39.58	-15.75	496.60	-143.37	0.63
1486	1/20/2021 7:32	1/20/2021 7:32	0:00:20	-43.50	-8.49	497.35	-44.15	-7.06	497.46	-143.31	0.69
1487	1/20/2021 7:37	1/20/2021 7:37	0:00:00	-50.30	13.51	497.97	-50.30	13.51	497.97	-143.60	0.40
1488	1/20/2021 8:03	1/20/2021 8:03	0:00:30	-1.85	113.99	476.59	-0.34	115.05	476.46	-143.46	0.54
1489	1/20/2021 8:18	1/20/2021 8:18	0:00:09	40.56	153.95	484.47	40.93	154.59	484.63	-143.88	0.12
1490	1/20/2021 8:29	1/20/2021 8:30	0:00:31	50.63	-144.92	492.05	50.17	-142.15	492.14	-143.64	0.36
1491	1/20/2021 8:49	1/20/2021 8:49	0:00:00	3.05	-78.81	489.43	3.05	-78.81	489.43	-143.98	0.02
1492	1/20/2021 9:04	1/20/2021 9:05	0:00:41	-37.98	-42.17	496.30	-39.53	-39.76	496.63	-143.40	0.60
1493	1/20/2021 9:06	1/20/2021 9:07	0:00:21	-43.45	-32.51	497.38	-44.11	-31.08	497.49	-143.38	0.62
1494	1/20/2021 9:11	1/20/2021 9:11	0:00:00	-50.28	-10.54	498.01	-50.28	-10.54	498.01	-143.68	0.32
1495	1/20/2021 9:37	1/20/2021 9:38	0:00:31	-1.42	90.37	476.51	0.09	91.44	476.40	-143.27	0.73
1496	1/20/2021 9:52	1/20/2021 9:52	0:00:00	40.88	130.58	484.65	40.88	130.58	484.65	-143.84	0.16
1497	1/20/2021 10:04	1/20/2021 10:04	0:00:30	50.50	-168.05	492.17	50.02	-165.29	492.25	-143.60	0.40
1498	1/20/2021 10:24	1/20/2021 10:24	0:00:09	3.12	-102.78	489.53	2.62	-102.43	489.55	-143.86	0.14
1499	1/20/2021 10:38	1/20/2021 10:39	0:00:51	-37.92	-66.18	496.41	-39.85	-63.15	496.82	-143.42	0.58
1500	1/20/2021 10:41	1/20/2021 10:41	0:00:20	-43.73	-55.83	497.54	-44.38	-54.39	497.65	-143.36	0.64

Table 11 Departure GN 6 Mbps (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)
1501	1/20/2021 10:45	1/20/2021 10:45	0:00:00	-50.41	-33.67	498.09	-50.41	-33.67	498.09	-143.07	0.93
1502	1/20/2021 11:11	1/20/2021 11:12	0:00:30	-1.49	66.40	476.51	0.02	67.46	476.39	-143.08	0.92
1503	1/20/2021 11:26	1/20/2021 11:26	0:00:00	40.08	105.29	484.29	40.08	105.29	484.29	-143.99	0.01
1504	1/20/2021 11:26	1/20/2021 11:26	0:00:00	41.19	107.21	484.76	41.19	107.21	484.76	-143.75	0.25
1505	1/20/2021 11:38	1/20/2021 11:39	0:00:31	50.52	167.89	492.19	50.04	170.65	492.28	-143.54	0.46
1506	1/20/2021 11:52	1/20/2021 11:52	0:00:00	19.49	-139.02	489.87	19.49	-139.02	489.87	-143.90	0.10
1507	1/20/2021 11:58	1/20/2021 11:58	0:00:09	3.20	-126.76	489.58	2.70	-126.41	489.60	-143.74	0.26
1508	1/20/2021 12:12	1/20/2021 12:13	0:00:41	-38.26	-89.60	496.47	-39.79	-87.17	496.79	-143.40	0.60
1509	1/20/2021 12:15	1/20/2021 12:15	0:00:21	-43.69	-79.86	497.52	-44.33	-78.42	497.62	-143.29	0.71
1510	1/20/2021 12:19	1/20/2021 12:19	0:00:00	-50.54	-56.81	498.03	-50.54	-56.81	498.03	-143.89	0.11
1511	1/20/2021 12:45	1/20/2021 12:46	0:00:31	-1.06	42.77	476.41	0.45	43.84	476.30	-143.44	0.56
1512	1/20/2021 13:12	1/20/2021 13:13	0:00:30	50.54	143.84	492.18	50.07	146.60	492.28	-143.53	0.47
1513	1/20/2021 13:27	1/20/2021 13:27	0:00:00	19.08	-162.60	489.88	19.08	-162.60	489.88	-143.94	0.06
1514	1/20/2021 13:32	1/20/2021 13:32	0:00:19	3.27	-150.74	489.61	2.27	-150.03	489.66	-143.63	0.37
1515	1/20/2021 13:47	1/20/2021 13:47	0:00:41	-38.59	-113.02	496.53	-40.12	-110.56	496.84	-143.42	0.58
1516	1/20/2021 13:49	1/20/2021 13:49	0:00:20	-43.97	-103.17	497.54	-44.61	-101.73	497.64	-143.39	0.61
1517	1/20/2021 14:15	1/20/2021 14:15	0:00:00	-16.58	7.45	479.28	-16.58	7.45	479.28	-143.98	0.02
1518	1/20/2021 14:20	1/20/2021 14:20	0:00:30	-0.63	19.15	476.32	0.88	20.21	476.23	-143.39	0.61
1519	1/20/2021 14:35	1/20/2021 14:35	0:00:00	41.45	59.83	484.81	41.45	59.83	484.81	-143.86	0.14
1520	1/20/2021 14:46	1/20/2021 14:47	0:00:31	50.42	120.71	492.20	49.92	123.45	492.29	-143.54	0.46
1521	1/20/2021 15:06	1/20/2021 15:06	0:00:30	3.34	-174.71	489.63	1.84	-173.65	489.70	-143.39	0.61
1522	1/20/2021 15:21	1/20/2021 15:22	0:00:50	-38.54	-137.03	496.55	-40.44	-133.94	496.94	-143.44	0.56
1523	1/20/2021 15:24	1/20/2021 15:24	0:00:19	-44.24	-126.48	497.62	-44.87	-125.02	497.71	-143.23	0.77
1524	1/20/2021 15:49	1/20/2021 15:49	0:00:00	-16.16	-16.14	479.13	-16.16	-16.14	479.13	-143.92	0.08
1525	1/20/2021 15:54	1/20/2021 15:55	0:00:31	-0.70	-4.82	476.30	0.81	-3.76	476.20	-143.28	0.72
1526	1/20/2021 16:09	1/20/2021 16:09	0:00:00	40.67	34.51	484.42	40.67	34.51	484.42	-143.96	0.04
1527	1/20/2021 16:09	1/20/2021 16:09	0:00:00	41.76	36.47	484.89	41.76	36.47	484.89	-143.78	0.22
1528	1/20/2021 16:21	1/20/2021 16:21	0:00:19	50.28	97.58	492.16	49.95	99.40	492.21	-143.54	0.46
1529	1/20/2021 16:40	1/20/2021 16:41	0:00:31	2.91	161.67	489.61	1.40	162.73	489.68	-143.41	0.59
1530	1/20/2021 16:55	1/20/2021 16:56	0:00:40	-38.87	-160.43	496.57	-40.39	-157.95	496.88	-143.42	0.58
1531	1/20/2021 16:58	1/20/2021 16:58	0:00:20	-44.20	-150.51	497.55	-44.83	-149.05	497.65	-143.41	0.59
1532	1/20/2021 17:27	1/20/2021 17:27	0:00:00	-3.79	-30.92	476.55	-3.79	-30.92	476.55	-143.93	0.07
1533	1/20/2021 17:28	1/20/2021 17:29	0:00:10	-0.26	-28.44	476.21	0.24	-28.09	476.18	-143.29	0.71
1534	1/20/2021 17:55	1/20/2021 17:55	0:00:20	50.30	73.53	492.15	49.97	75.36	492.21	-143.52	0.48
1535	1/20/2021 18:15	1/20/2021 18:15	0:00:30	2.47	138.05	489.66	0.97	139.11	489.74	-143.42	0.58
1536	1/20/2021 18:29	1/20/2021 18:30	0:00:50	-38.82	175.56	496.57	-40.71	178.68	496.95	-143.43	0.57
1537	1/20/2021 18:32	1/20/2021 18:32	0:00:19	-44.48	-173.80	497.60	-45.10	-172.33	497.69	-143.26	0.74
1538	1/20/2021 18:35	1/20/2021 18:35	0:00:00	-48.80	-161.08	498.04	-48.80	-161.08	498.04	-143.98	0.02
1539	1/20/2021 19:01	1/20/2021 19:01	0:00:00	-3.35	-54.54	476.46	-3.35	-54.54	476.46	-143.88	0.12
1540	1/20/2021 19:03	1/20/2021 19:03	0:00:09	0.18	-52.06	476.15	0.68	-51.70	476.12	-142.77	1.23
1541	1/20/2021 19:17	1/20/2021 19:17	0:00:00	40.94	-12.86	484.53	40.94	-12.86	484.53	-143.95	0.05
1542	1/20/2021 19:18	1/20/2021 19:18	0:00:00	42.02	-10.88	485.01	42.02	-10.88	485.01	-143.70	0.30
1543	1/20/2021 19:29	1/20/2021 19:30	0:00:19	50.16	50.40	492.23	49.82	52.22	492.29	-143.69	0.31
1544	1/20/2021 19:30	1/20/2021 19:30	0:00:00	48.82	56.63	492.38	48.82	56.63	492.38	-143.95	0.05
1545	1/20/2021 19:49	1/20/2021 19:49	0:00:39	2.54	114.08	489.69	0.53	115.49	489.80	-143.40	0.60
1546	1/20/2021 20:04	1/20/2021 20:04	0:00:39	-39.15	152.16	496.65	-40.66	154.66	496.95	-143.45	0.55
1547	1/20/2021 20:06	1/20/2021 20:06	0:00:09	-44.75	162.91	497.65	-45.06	163.65	497.70	-143.26	0.74
1548	1/20/2021 20:09	1/20/2021 20:09	0:00:09	-48.76	174.88	498.05	-48.98	175.75	498.05	-143.79	0.21
1549	1/20/2021 20:36	1/20/2021 20:36	0:00:00	-2.91	-78.16	476.48	-2.91	-78.16	476.48	-143.87	0.13
1550	1/20/2021 20:37	1/20/2021 20:37	0:00:10	0.11	-76.03	476.22	0.61	-75.68	476.19	-142.97	1.03
1551	1/20/2021 20:51	1/20/2021 20:51	0:00:00	40.89	-36.88	484.56	40.89	-36.88	484.56	-143.99	0.01
1552	1/20/2021 20:57	1/20/2021 20:57	0:00:00	49.90	-12.00	489.20	49.90	-12.00	489.20	-143.96	0.04
1553	1/20/2021 21:04	1/20/2021 21:04	0:00:09	50.02	27.26	492.28	49.84	28.17	492.30	-143.80	0.20
1554	1/20/2021 21:23	1/20/2021 21:24	0:00:39	2.11	90.45	489.65	0.10	91.86	489.77	-143.47	0.53
1555	1/20/2021 21:38	1/20/2021 21:39	0:00:39	-39.48	128.77	496.78	-40.97	131.29	497.08	-143.44	0.56
1556	1/20/2021 21:41	1/20/2021 21:41	0:00:19	-44.70	138.88	497.74	-45.32	140.37	497.83	-143.33	0.67
1557	1/20/2021 21:43	1/20/2021 21:43	0:00:20	-48.73	150.84	498.17	-49.16	152.57	498.18	-143.58	0.42
1558	1/20/2021 22:10	1/20/2021 22:10	0:00:00	-2.48	-101.78	476.59	-2.48	-101.78	476.59	-143.88	0.12
1559	1/20/2021 22:11	1/20/2021 22:11	0:00:09	0.54	-99.66	476.35	1.04	-99.30	476.32	-143.43	0.57
1560	1/20/2021 22:26	1/20/2021 22:26	0:00:00	41.20	-60.25	484.66	41.20	-60.25	484.66	-143.94	0.06

Table 11 Departure GN 6 Mbps (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)
1561	1/20/2021 22:26	1/20/2021 22:26	0:00:00	42.27	-58.25	485.13	42.27	-58.25	485.13	-143.90	0.10
1562	1/20/2021 22:31	1/20/2021 22:31	0:00:00	50.05	-35.15	489.20	50.05	-35.15	489.20	-143.78	0.22
1563	1/20/2021 22:38	1/20/2021 22:38	0:00:00	50.37	1.37	492.07	50.37	1.37	492.07	-143.93	0.07
1564	1/20/2021 22:58	1/20/2021 22:58	0:00:40	1.67	66.83	489.52	-0.33	68.24	489.65	-143.52	0.48
1565	1/20/2021 23:12	1/20/2021 23:13	0:00:40	-39.43	104.76	496.76	-40.92	107.28	497.07	-143.45	0.55
1566	1/20/2021 23:15	1/20/2021 23:15	0:00:09	-44.97	115.59	497.80	-45.28	116.34	497.85	-143.19	0.81
1567	1/20/2021 23:17	1/20/2021 23:17	0:00:09	-48.92	127.66	498.23	-49.13	128.53	498.23	-143.25	0.75
1568	1/20/2021 23:45	1/20/2021 23:45	0:00:00	-2.05	-125.41	476.66	-2.05	-125.41	476.66	-143.93	0.07
1569	1/20/2021 23:45	1/20/2021 23:46	0:00:10	0.97	-123.28	476.42	1.47	-122.93	476.40	-143.65	0.35
1570	1/21/2021 0:00	1/21/2021 0:00	0:00:11	41.15	-84.27	484.61	41.51	-83.62	484.77	-143.94	0.06
1571	1/21/2021 0:01	1/21/2021 0:01	0:00:00	42.57	-81.60	485.23	42.57	-81.60	485.23	-143.83	0.17
1572	1/21/2021 0:05	1/21/2021 0:05	0:00:09	50.03	-59.21	489.11	50.19	-58.30	489.23	-143.87	0.13
1573	1/21/2021 0:12	1/21/2021 0:12	0:00:09	50.39	-22.69	491.95	50.23	-21.77	491.98	-143.87	0.13
1574	1/21/2021 0:32	1/21/2021 0:32	0:00:39	1.74	42.85	489.39	-0.26	44.27	489.52	-143.58	0.42
1575	1/21/2021 0:47	1/21/2021 0:47	0:00:30	-39.76	81.36	496.76	-40.87	83.26	496.99	-143.45	0.55
1576	1/21/2021 0:49	1/21/2021 0:49	0:00:09	-45.24	92.31	497.78	-45.54	93.06	497.82	-143.44	0.56
1577	1/21/2021 0:51	1/21/2021 0:52	0:00:20	-48.89	103.61	498.16	-49.31	105.36	498.17	-143.41	0.59
1578	1/21/2021 1:19	1/21/2021 1:19	0:00:00	-2.12	-149.38	476.67	-2.12	-149.38	476.67	-143.94	0.06
1579	1/21/2021 1:20	1/21/2021 1:20	0:00:00	1.40	-146.90	476.41	1.40	-146.90	476.41	-143.73	0.27
1580	1/21/2021 1:33	1/21/2021 1:33	0:00:00	39.23	-111.45	483.81	39.23	-111.45	483.81	-143.98	0.02
1581	1/21/2021 1:34	1/21/2021 1:34	0:00:00	41.46	-107.63	484.74	41.46	-107.63	484.74	-143.93	0.07
1582	1/21/2021 1:40	1/21/2021 1:40	0:00:00	50.17	-82.35	489.19	50.17	-82.35	489.19	-143.66	0.34
1583	1/21/2021 1:46	1/21/2021 1:46	0:00:11	50.41	-46.74	491.92	50.25	-45.82	491.95	-143.68	0.32
1584	1/21/2021 2:06	1/21/2021 2:07	0:00:40	1.31	19.24	489.38	-0.70	20.65	489.52	-143.65	0.35
1585	1/21/2021 2:21	1/21/2021 2:21	0:00:29	-40.08	57.98	496.80	-41.19	59.90	497.03	-143.45	0.55
1586	1/21/2021 2:23	1/21/2021 2:24	0:00:20	-45.20	68.28	497.75	-45.79	69.79	497.84	-143.18	0.82
1587	1/21/2021 2:26	1/21/2021 2:26	0:00:31	-48.86	79.57	498.14	-49.48	82.20	498.15	-143.27	0.73
1588	1/21/2021 2:53	1/21/2021 2:53	0:00:00	-1.68	-173.00	476.59	-1.68	-173.00	476.59	-143.86	0.14
1589	1/21/2021 2:54	1/21/2021 2:54	0:00:00	1.84	-170.52	476.34	1.84	-170.52	476.34	-143.93	0.07
1590	1/21/2021 3:08	1/21/2021 3:08	0:00:00	39.56	-134.84	483.89	39.56	-134.84	483.89	-144.00	0.00
1591	1/21/2021 3:08	1/21/2021 3:09	0:00:11	41.42	-131.64	484.67	41.77	-130.98	484.83	-143.88	0.12
1592	1/21/2021 3:09	1/21/2021 3:09	0:00:00	42.82	-128.95	485.29	42.82	-128.95	485.29	-143.79	0.21
1593	1/21/2021 3:14	1/21/2021 3:14	0:00:09	50.15	-106.40	489.13	50.32	-105.48	489.25	-143.82	0.18
1594	1/21/2021 3:20	1/21/2021 3:20	0:00:09	50.28	-69.86	491.91	50.11	-68.95	491.94	-143.54	0.46
1595	1/21/2021 3:40	1/21/2021 3:41	0:00:41	0.88	-4.38	489.46	-1.13	-2.97	489.60	-143.69	0.31
1596	1/21/2021 3:55	1/21/2021 3:56	0:00:30	-40.03	33.97	496.81	-41.14	35.89	497.04	-143.45	0.55
1597	1/21/2021 3:58	1/21/2021 3:58	0:00:10	-45.46	45.01	497.80	-45.75	45.77	497.84	-143.31	0.69
1598	1/21/2021 4:00	1/21/2021 4:00	0:00:19	-49.05	56.40	498.15	-49.45	58.15	498.15	-143.44	0.56
1599	1/21/2021 4:27	1/21/2021 4:27	0:00:00	-1.25	163.39	476.48	-1.25	163.39	476.48	-143.80	0.20
1600	1/21/2021 4:42	1/21/2021 4:42	0:00:00	39.51	-158.84	483.86	39.51	-158.84	483.86	-143.99	0.01
1601	1/21/2021 4:43	1/21/2021 4:43	0:00:00	41.73	-154.99	484.80	41.73	-154.99	484.80	-143.90	0.10
1602	1/21/2021 4:48	1/21/2021 4:48	0:00:00	50.29	-129.52	489.26	50.29	-129.52	489.26	-143.63	0.37
1603	1/21/2021 4:54	1/21/2021 4:55	0:00:10	50.30	-93.91	491.96	50.13	-92.99	491.99	-143.53	0.47
1604	1/21/2021 5:15	1/21/2021 5:15	0:00:41	0.44	-28.00	489.60	-1.56	-26.59	489.75	-143.75	0.25
1605	1/21/2021 5:29	1/21/2021 5:30	0:00:29	-40.35	10.59	496.99	-41.45	12.53	497.21	-143.46	0.54
1606	1/21/2021 5:32	1/21/2021 5:32	0:00:11	-45.71	21.74	497.94	-46.01	22.51	497.98	-143.22	0.78
1607	1/21/2021 5:34	1/21/2021 5:35	0:00:30	-49.02	32.36	498.25	-49.62	35.00	498.25	-143.34	0.66
1608	1/21/2021 6:02	1/21/2021 6:02	0:00:00	-0.81	139.77	476.36	-0.81	139.77	476.36	-143.76	0.24
1609	1/21/2021 6:16	1/21/2021 6:16	0:00:00	39.84	177.77	483.87	39.84	177.77	483.87	-143.99	0.01
1610	1/21/2021 6:17	1/21/2021 6:17	0:00:11	41.68	-179.00	484.66	42.03	-178.33	484.81	-143.87	0.13
1611	1/21/2021 6:18	1/21/2021 6:18	0:00:00	43.07	-176.28	485.28	43.07	-176.28	485.28	-143.80	0.20
1612	1/21/2021 6:22	1/21/2021 6:22	0:00:09	50.27	-153.56	489.14	50.43	-152.64	489.25	-143.75	0.25
1613	1/21/2021 6:29	1/21/2021 6:29	0:00:09	50.16	-117.04	491.92	49.99	-116.12	491.94	-143.64	0.36
1614	1/21/2021 6:49	1/21/2021 6:50	0:00:41	0.51	-51.97	489.68	-1.50	-50.56	489.83	-143.82	0.18
1615	1/21/2021 7:04	1/21/2021 7:04	0:00:30	-40.31	-13.42	497.14	-41.40	-11.49	497.36	-143.46	0.54
1616	1/21/2021 7:06	1/21/2021 7:06	0:00:10	-45.67	-2.29	498.09	-45.97	-1.52	498.13	-143.16	0.84
1617	1/21/2021 7:09	1/21/2021 7:09	0:00:19	-49.20	9.18	498.40	-49.59	10.95	498.40	-143.30	0.70
1618	1/21/2021 7:16	1/21/2021 7:16	0:00:00	-49.80	52.84	495.21	-49.80	52.84	495.21	-143.98	0.02
1619	1/21/2021 7:36	1/21/2021 7:36	0:00:00	-0.38	116.15	476.22	-0.38	116.15	476.22	-143.80	0.20
1620	1/21/2021 7:51	1/21/2021 7:52	0:00:11	41.99	157.65	484.58	42.34	158.32	484.73	-143.87	0.13

Table 11 Departure GN 6 Mbps (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)
1621	1/21/2021 7:52	1/21/2021 7:52	0:00:00	43.36	160.40	485.19	43.36	160.40	485.19	-143.89	0.11
1622	1/21/2021 7:57	1/21/2021 7:57	0:00:00	50.41	-176.69	489.02	50.41	-176.69	489.02	-143.56	0.44
1623	1/21/2021 8:03	1/21/2021 8:03	0:00:00	50.01	-140.17	491.75	50.01	-140.17	491.75	-143.73	0.27
1624	1/21/2021 8:23	1/21/2021 8:24	0:00:41	0.07	-75.59	489.73	-1.94	-74.18	489.90	-143.78	0.22
1625	1/21/2021 8:38	1/21/2021 8:38	0:00:29	-40.63	-36.79	497.25	-41.71	-34.84	497.46	-143.47	0.53
1626	1/21/2021 8:40	1/21/2021 8:41	0:00:11	-45.93	-25.55	498.17	-46.22	-24.77	498.20	-143.33	0.67
1627	1/21/2021 8:43	1/21/2021 8:43	0:00:20	-49.17	-14.85	498.44	-49.57	-13.09	498.44	-143.17	0.83
1628	1/21/2021 8:50	1/21/2021 8:50	0:00:00	-49.82	28.80	495.25	-49.82	28.80	495.25	-143.98	0.02
1629	1/21/2021 9:10	1/21/2021 9:10	0:00:00	0.06	92.53	476.16	0.06	92.53	476.16	-143.84	0.16
1630	1/21/2021 9:25	1/21/2021 9:25	0:00:00	40.12	130.39	483.81	40.12	130.39	483.81	-144.00	0.00
1631	1/21/2021 9:25	1/21/2021 9:26	0:00:11	41.94	133.64	484.60	42.29	134.31	484.75	-143.87	0.13
1632	1/21/2021 9:26	1/21/2021 9:26	0:00:00	43.32	136.38	485.22	43.32	136.38	485.22	-143.90	0.10
1633	1/21/2021 9:31	1/21/2021 9:31	0:00:09	50.39	159.27	489.06	50.54	160.19	489.18	-143.68	0.32
1634	1/21/2021 9:37	1/21/2021 9:37	0:00:09	50.03	-164.21	491.82	49.85	-163.31	491.85	-143.90	0.10
1635	1/21/2021 9:58	1/21/2021 9:58	0:00:39	-0.37	-99.21	489.86	-2.37	-97.80	490.04	-143.75	0.25
1636	1/21/2021 10:12	1/21/2021 10:13	0:00:21	-40.94	-60.16	497.43	-41.66	-58.85	497.57	-143.47	0.53
1637	1/21/2021 10:15	1/21/2021 10:15	0:00:21	-45.89	-49.57	498.28	-46.46	-48.02	498.35	-143.02	0.98
1638	1/21/2021 10:17	1/21/2021 10:17	0:00:19	-49.35	-38.02	498.55	-49.73	-36.24	498.54	-143.17	0.83
1639	1/21/2021 10:25	1/21/2021 10:25	0:00:00	-49.66	5.65	495.21	-49.66	5.65	495.21	-143.80	0.20
1640	1/21/2021 10:45	1/21/2021 10:45	0:00:00	0.49	68.91	476.11	0.49	68.91	476.11	-143.91	0.09
1641	1/21/2021 11:00	1/21/2021 11:00	0:00:11	42.24	110.29	484.72	42.59	110.97	484.87	-143.85	0.15
1642	1/21/2021 11:00	1/21/2021 11:00	0:00:00	43.61	113.06	485.34	43.61	113.06	485.34	-143.71	0.29
1643	1/21/2021 11:05	1/21/2021 11:05	0:00:00	50.52	136.14	489.17	50.52	136.14	489.17	-143.46	0.54
1644	1/21/2021 11:32	1/21/2021 11:32	0:00:39	-0.80	-122.83	489.94	-2.80	-121.42	490.12	-143.72	0.28
1645	1/21/2021 11:46	1/21/2021 11:47	0:00:29	-40.89	-84.17	497.41	-41.97	-82.20	497.62	-143.47	0.53
1646	1/21/2021 11:49	1/21/2021 11:49	0:00:11	-46.14	-72.84	498.28	-46.42	-72.06	498.32	-143.39	0.61
1647	1/21/2021 11:51	1/21/2021 11:51	0:00:20	-49.32	-62.07	498.51	-49.70	-60.29	498.51	-143.07	0.93
1648	1/21/2021 11:59	1/21/2021 11:59	0:00:00	-49.69	-18.40	495.16	-49.69	-18.40	495.16	-143.75	0.25
1649	1/21/2021 12:19	1/21/2021 12:19	0:00:10	0.42	44.94	476.06	0.93	45.29	476.02	-143.95	0.05
1650	1/21/2021 12:22	1/21/2021 12:22	0:00:00	10.96	52.48	476.12	10.96	52.48	476.12	-144.00	0.00
1651	1/21/2021 12:34	1/21/2021 12:35	0:00:30	42.54	86.96	484.81	43.56	89.04	485.28	-143.88	0.12
1652	1/21/2021 12:39	1/21/2021 12:39	0:00:09	50.50	112.09	489.13	50.64	113.02	489.25	-143.67	0.33
1653	1/21/2021 13:06	1/21/2021 13:07	0:00:39	-0.73	-146.80	489.97	-2.73	-145.39	490.15	-143.73	0.27
1654	1/21/2021 13:21	1/21/2021 13:21	0:00:30	-41.20	-107.54	497.45	-42.27	-105.55	497.65	-143.48	0.52
1655	1/21/2021 13:23	1/21/2021 13:24	0:00:11	-46.38	-96.09	498.28	-46.66	-95.31	498.31	-143.13	0.87
1656	1/21/2021 13:26	1/21/2021 13:26	0:00:10	-49.49	-85.23	498.47	-49.68	-84.34	498.47	-143.36	0.64
1657	1/21/2021 13:53	1/21/2021 13:53	0:00:00	0.86	21.32	475.98	0.86	21.32	475.98	-143.87	0.13
1658	1/21/2021 14:08	1/21/2021 14:09	0:00:11	42.50	62.94	484.77	42.84	63.62	484.92	-143.85	0.15
1659	1/21/2021 14:09	1/21/2021 14:09	0:00:00	43.85	65.73	485.39	43.85	65.73	485.39	-143.68	0.32
1660	1/21/2021 14:14	1/21/2021 14:14	0:00:00	50.62	88.97	489.21	50.62	88.97	489.21	-143.46	0.54
1661	1/21/2021 14:40	1/21/2021 14:41	0:00:39	-1.16	-170.42	490.03	-3.17	-169.01	490.21	-143.68	0.32
1662	1/21/2021 14:55	1/21/2021 14:55	0:00:20	-41.52	-130.90	497.54	-42.22	-129.57	497.68	-143.48	0.52
1663	1/21/2021 14:57	1/21/2021 14:58	0:00:11	-46.34	-120.12	498.31	-46.62	-119.34	498.34	-143.28	0.72
1664	1/21/2021 15:00	1/21/2021 15:00	0:00:09	-49.65	-108.39	498.50	-49.84	-107.49	498.49	-143.19	0.81
1665	1/21/2021 15:28	1/21/2021 15:28	0:00:00	1.29	-2.30	475.92	1.29	-2.30	475.92	-143.80	0.20
1666	1/21/2021 15:33	1/21/2021 15:33	0:00:00	17.23	9.46	476.82	17.23	9.46	476.82	-143.89	0.11
1667	1/21/2021 15:43	1/21/2021 15:43	0:00:39	42.80	39.61	484.85	44.13	42.43	485.46	-143.88	0.12
1668	1/21/2021 15:48	1/21/2021 15:48	0:00:09	50.61	64.92	489.13	50.74	65.86	489.24	-143.76	0.24
1669	1/21/2021 16:15	1/21/2021 16:15	0:00:31	-2.10	166.31	490.07	-3.60	167.37	490.22	-143.61	0.39
1670	1/21/2021 16:29	1/21/2021 16:30	0:00:30	-41.47	-154.91	497.48	-42.53	-152.90	497.68	-143.48	0.52
1671	1/21/2021 16:32	1/21/2021 16:32	0:00:10	-46.59	-143.37	498.28	-46.86	-142.57	498.31	-143.28	0.72
1672	1/21/2021 16:34	1/21/2021 16:34	0:00:10	-49.63	-132.43	498.44	-49.82	-131.53	498.43	-143.44	0.56
1673	1/21/2021 17:02	1/21/2021 17:02	0:00:00	1.73	-25.91	475.85	1.73	-25.91	475.85	-143.92	0.08
1674	1/21/2021 17:03	1/21/2021 17:03	0:00:00	5.76	-23.07	475.77	5.76	-23.07	475.77	-143.99	0.01
1675	1/21/2021 17:05	1/21/2021 17:05	0:00:00	11.75	-18.70	476.07	11.75	-18.70	476.07	-143.91	0.09
1676	1/21/2021 17:07	1/21/2021 17:07	0:00:00	17.66	-14.12	476.86	17.66	-14.12	476.86	-143.93	0.07
1677	1/21/2021 17:17	1/21/2021 17:17	0:00:39	42.75	15.60	484.82	44.09	18.41	485.44	-143.69	0.31
1678	1/21/2021 17:22	1/21/2021 17:22	0:00:00	50.73	41.81	489.22	50.73	41.81	489.22	-143.67	0.33
1679	1/21/2021 17:49	1/21/2021 17:50	0:00:30	-2.54	142.70	490.15	-4.04	143.76	490.30	-143.54	0.46
1680	1/21/2021 18:03	1/21/2021 18:04	0:00:20	-41.78	-178.26	497.55	-42.48	-176.91	497.67	-143.48	0.52

Table 11 Departure GN 6 Mbps (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)
1681	1/21/2021 18:06	1/21/2021 18:06	0:00:20	-46.55	-167.39	498.27	-47.10	-165.80	498.33	-143.23	0.77
1682	1/21/2021 18:08	1/21/2021 18:08	0:00:09	-49.79	-155.57	498.42	-49.97	-154.67	498.41	-143.34	0.66
1683	1/21/2021 18:39	1/21/2021 18:39	0:00:00	12.19	-42.30	476.08	12.19	-42.30	476.08	-143.94	0.06
1684	1/21/2021 18:41	1/21/2021 18:41	0:00:00	17.60	-38.10	476.81	17.60	-38.10	476.81	-143.60	0.40
1685	1/21/2021 18:51	1/21/2021 18:52	0:00:39	43.05	-7.72	484.96	44.37	-4.88	485.58	-143.79	0.21
1686	1/21/2021 18:56	1/21/2021 18:56	0:00:09	50.71	17.77	489.25	50.84	18.71	489.36	-143.86	0.14
1687	1/21/2021 19:24	1/21/2021 19:24	0:00:20	-2.97	119.08	490.22	-3.98	119.79	490.32	-143.71	0.29
1688	1/21/2021 19:38	1/21/2021 19:38	0:00:30	-41.74	157.73	497.55	-42.78	159.76	497.74	-143.49	0.51
1689	1/21/2021 19:40	1/21/2021 19:41	0:00:11	-46.79	169.37	498.31	-47.06	170.17	498.34	-143.28	0.72
1690	1/21/2021 19:43	1/21/2021 19:43	0:00:19	-49.77	-179.61	498.44	-50.12	-177.80	498.41	-143.42	0.58
1691	1/21/2021 20:16	1/21/2021 20:16	0:00:00	18.02	-61.68	476.95	18.02	-61.68	476.95	-143.13	0.87
1692	1/21/2021 20:25	1/21/2021 20:26	0:00:40	43.01	-31.74	485.00	44.33	-28.90	485.62	-143.67	0.33
1693	1/21/2021 20:31	1/21/2021 20:31	0:00:00	50.82	-5.34	489.38	50.82	-5.34	489.38	-143.86	0.14
1694	1/21/2021 20:58	1/21/2021 20:58	0:00:21	-3.41	95.46	490.21	-4.41	96.17	490.32	-143.74	0.26
1695	1/21/2021 21:12	1/21/2021 21:12	0:00:20	-42.04	134.39	497.68	-42.74	135.74	497.81	-143.50	0.50
1696	1/21/2021 21:14	1/21/2021 21:15	0:00:20	-46.75	145.35	498.41	-47.29	146.95	498.47	-143.23	0.77
1697	1/21/2021 21:17	1/21/2021 21:17	0:00:20	-49.92	157.25	498.56	-50.26	159.07	498.53	-143.47	0.53
1698	1/21/2021 21:50	1/21/2021 21:50	0:00:10	17.95	-85.66	477.03	18.44	-85.27	477.11	-143.58	0.42
1699	1/21/2021 22:00	1/21/2021 22:00	0:00:39	43.30	-55.06	485.08	44.60	-52.19	485.69	-143.65	0.35
1700	1/21/2021 22:05	1/21/2021 22:05	0:00:00	50.80	-29.39	489.27	50.80	-29.39	489.27	-144.00	0.00
1701	1/21/2021 22:11	1/21/2021 22:11	0:00:09	49.49	7.03	491.79	49.29	7.91	491.81	-143.94	0.06
1702	1/21/2021 22:32	1/21/2021 22:32	0:00:11	-3.85	71.84	490.12	-4.35	72.19	490.17	-143.78	0.22
1703	1/21/2021 22:46	1/21/2021 22:47	0:00:19	-42.35	111.05	497.76	-43.03	112.41	497.88	-143.51	0.49
1704	1/21/2021 22:49	1/21/2021 22:49	0:00:19	-46.99	122.11	498.49	-47.51	123.73	498.54	-143.13	0.87
1705	1/21/2021 22:51	1/21/2021 22:51	0:00:19	-49.90	133.20	498.63	-50.24	135.02	498.61	-143.39	0.61
1706	1/21/2021 23:22	1/21/2021 23:22	0:00:00	12.98	-113.49	476.41	12.98	-113.49	476.41	-143.89	0.11
1707	1/21/2021 23:24	1/21/2021 23:24	0:00:00	18.37	-109.25	477.16	18.37	-109.25	477.16	-143.50	0.50
1708	1/21/2021 23:33	1/21/2021 23:33	0:00:00	41.87	-81.83	484.41	41.87	-81.83	484.41	-144.00	0.00
1709	1/21/2021 23:34	1/21/2021 23:35	0:00:49	43.25	-79.09	485.02	44.87	-75.49	485.77	-143.64	0.36
1710	1/21/2021 23:45	1/21/2021 23:46	0:00:19	49.52	-17.02	491.65	49.12	-15.26	491.69	-143.82	0.18
1711	1/22/2021 0:06	1/22/2021 0:06	0:00:00	-4.28	48.22	490.04	-4.28	48.22	490.04	-143.79	0.21
1712	1/22/2021 0:20	1/22/2021 0:21	0:00:31	-42.30	87.03	497.68	-43.33	89.09	497.87	-143.50	0.50
1713	1/22/2021 0:23	1/22/2021 0:23	0:00:09	-47.22	98.89	498.44	-47.48	99.70	498.47	-142.96	1.04
1714	1/22/2021 0:25	1/22/2021 0:26	0:00:20	-50.05	110.06	498.56	-50.38	111.89	498.53	-143.26	0.74
1715	1/22/2021 0:57	1/22/2021 0:57	0:00:00	13.41	-137.08	476.46	13.41	-137.08	476.46	-143.91	0.09
1716	1/22/2021 0:58	1/22/2021 0:59	0:00:10	18.31	-133.22	477.15	18.80	-132.83	477.24	-143.47	0.53
1717	1/22/2021 1:07	1/22/2021 1:07	0:00:00	41.82	-105.84	484.39	41.82	-105.84	484.39	-144.00	0.00
1718	1/22/2021 1:08	1/22/2021 1:09	0:00:39	43.54	-102.40	485.15	44.83	-99.51	485.75	-143.54	0.46
1719	1/22/2021 1:19	1/22/2021 1:20	0:00:20	49.54	-41.06	491.62	49.15	-39.29	491.66	-143.65	0.35
1720	1/22/2021 1:41	1/22/2021 1:41	0:00:00	-4.72	24.61	490.05	-4.72	24.61	490.05	-143.87	0.13
1721	1/22/2021 1:55	1/22/2021 1:55	0:00:19	-42.60	63.70	497.71	-43.28	65.08	497.84	-143.53	0.47
1722	1/22/2021 1:57	1/22/2021 1:58	0:00:19	-47.19	74.86	498.42	-47.70	76.49	498.47	-143.07	0.93
1723	1/22/2021 2:00	1/22/2021 2:00	0:00:10	-50.20	86.93	498.53	-50.36	87.85	498.52	-143.36	0.64
1724	1/22/2021 2:33	1/22/2021 2:33	0:00:09	18.74	-156.80	477.19	19.22	-156.40	477.28	-143.68	0.32
1725	1/22/2021 2:42	1/22/2021 2:42	0:00:00	42.13	-129.18	484.47	42.13	-129.18	484.47	-143.99	0.01
1726	1/22/2021 2:43	1/22/2021 2:43	0:00:40	43.83	-125.71	485.23	45.10	-122.78	485.83	-143.61	0.39
1727	1/22/2021 2:54	1/22/2021 2:54	0:00:19	49.38	-64.21	491.60	48.96	-62.45	491.64	-143.51	0.49
1728	1/22/2021 3:15	1/22/2021 3:15	0:00:00	-4.65	0.64	490.08	-4.65	0.64	490.08	-143.92	0.08
1729	1/22/2021 3:29	1/22/2021 3:30	0:00:31	-42.56	39.69	497.71	-43.57	41.77	497.90	-143.51	0.49
1730	1/22/2021 3:32	1/22/2021 3:32	0:00:09	-47.42	51.64	498.44	-47.67	52.46	498.47	-142.79	1.21
1731	1/22/2021 3:34	1/22/2021 3:34	0:00:20	-50.18	62.90	498.52	-50.49	64.74	498.49	-143.11	0.89
1732	1/22/2021 4:05	1/22/2021 4:05	0:00:00	13.78	175.35	476.41	13.78	175.35	476.41	-143.94	0.06
1733	1/22/2021 4:07	1/22/2021 4:07	0:00:00	19.16	179.63	477.22	19.16	179.63	477.22	-143.64	0.36
1734	1/22/2021 4:16	1/22/2021 4:16	0:00:00	42.09	-153.18	484.45	42.09	-153.18	484.45	-143.99	0.01
1735	1/22/2021 4:17	1/22/2021 4:17	0:00:39	43.79	-149.72	485.22	45.06	-146.80	485.81	-143.53	0.47
1736	1/22/2021 4:28	1/22/2021 4:28	0:00:20	49.40	-88.24	491.65	48.99	-86.48	491.69	-143.31	0.69
1737	1/22/2021 4:49	1/22/2021 4:49	0:00:00	-5.09	-22.97	490.26	-5.09	-22.97	490.26	-143.85	0.15
1738	1/22/2021 5:03	1/22/2021 5:04	0:00:20	-42.86	16.36	497.87	-43.53	17.75	498.00	-143.54	0.46
1739	1/22/2021 5:06	1/22/2021 5:06	0:00:19	-47.38	27.61	498.54	-47.89	29.26	498.59	-143.14	0.86
1740	1/22/2021 5:08	1/22/2021 5:08	0:00:10	-50.32	39.77	498.60	-50.47	40.69	498.58	-143.29	0.71

Table 11 Departure GN 6 Mbps (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)
1741	1/22/2021 5:40	1/22/2021 5:40	0:00:00	14.21	151.76	476.35	14.21	151.76	476.35	-143.83	0.17
1742	1/22/2021 5:41	1/22/2021 5:41	0:00:09	19.10	155.65	477.09	19.58	156.05	477.18	-143.72	0.28
1743	1/22/2021 5:50	1/22/2021 5:50	0:00:00	42.39	-176.51	484.47	42.39	-176.51	484.47	-143.99	0.01
1744	1/22/2021 5:51	1/22/2021 5:52	0:00:40	44.08	-173.01	485.23	45.33	-170.06	485.83	-143.62	0.38
1745	1/22/2021 5:56	1/22/2021 5:56	0:00:00	50.85	-148.68	489.09	50.85	-148.68	489.09	-143.94	0.06
1746	1/22/2021 6:02	1/22/2021 6:02	0:00:09	49.22	-111.39	491.61	49.01	-110.52	491.63	-143.14	0.86
1747	1/22/2021 6:24	1/22/2021 6:24	0:00:00	-5.53	-46.59	490.41	-5.53	-46.59	490.41	-143.83	0.17
1748	1/22/2021 6:38	1/22/2021 6:38	0:00:30	-42.82	-7.65	498.03	-43.82	-5.55	498.21	-143.51	0.49
1749	1/22/2021 6:40	1/22/2021 6:40	0:00:09	-47.60	4.40	498.73	-47.85	5.22	498.75	-142.99	1.01
1750	1/22/2021 6:42	1/22/2021 6:43	0:00:11	-50.45	16.65	498.75	-50.60	17.57	498.72	-143.33	0.67
1751	1/22/2021 7:15	1/22/2021 7:16	0:00:10	19.52	132.08	477.01	20.00	132.48	477.10	-143.64	0.36
1752	1/22/2021 7:24	1/22/2021 7:24	0:00:09	42.35	159.47	484.23	42.70	160.16	484.38	-143.97	0.03
1753	1/22/2021 7:25	1/22/2021 7:26	0:00:39	44.03	162.97	484.99	45.29	165.92	485.59	-143.54	0.46
1754	1/22/2021 7:30	1/22/2021 7:30	0:00:00	50.96	-171.78	488.96	50.96	-171.78	488.96	-143.96	0.04
1755	1/22/2021 7:36	1/22/2021 7:37	0:00:20	49.25	-135.42	491.42	48.83	-133.68	491.46	-142.97	1.03
1756	1/22/2021 7:58	1/22/2021 7:58	0:00:00	-5.97	-70.20	490.50	-5.97	-70.20	490.50	-143.97	0.03
1757	1/22/2021 8:12	1/22/2021 8:12	0:00:19	-43.11	-30.97	498.12	-43.78	-29.56	498.24	-143.56	0.44
1758	1/22/2021 8:14	1/22/2021 8:15	0:00:19	-47.57	-19.62	498.76	-48.07	-17.97	498.80	-143.28	0.72
1759	1/22/2021 8:17	1/22/2021 8:17	0:00:11	-50.43	-7.39	498.78	-50.58	-6.46	498.76	-143.46	0.54
1760	1/22/2021 8:48	1/22/2021 8:48	0:00:00	13.59	103.43	476.11	13.59	103.43	476.11	-144.00	0.00
1761	1/22/2021 8:50	1/22/2021 8:50	0:00:00	19.94	108.51	477.07	19.94	108.51	477.07	-143.71	0.29
1762	1/22/2021 8:59	1/22/2021 8:59	0:00:00	42.65	136.15	484.40	42.65	136.15	484.40	-143.98	0.02
1763	1/22/2021 9:00	1/22/2021 9:00	0:00:40	44.32	139.68	485.16	45.55	142.66	485.76	-143.64	0.36
1764	1/22/2021 9:01	1/22/2021 9:01	0:00:00	47.24	147.37	486.62	47.24	147.37	486.62	-143.96	0.04
1765	1/22/2021 9:04	1/22/2021 9:04	0:00:00	50.95	164.18	489.00	50.95	164.18	489.00	-143.75	0.25
1766	1/22/2021 9:11	1/22/2021 9:11	0:00:09	49.07	-158.58	491.51	48.85	-157.71	491.53	-143.01	0.99
1767	1/22/2021 9:46	1/22/2021 9:47	0:00:20	-43.40	-54.28	498.30	-44.06	-52.87	498.41	-143.52	0.48
1768	1/22/2021 9:49	1/22/2021 9:49	0:00:09	-47.79	-42.83	498.89	-48.03	-42.00	498.91	-143.20	0.80
1769	1/22/2021 9:51	1/22/2021 9:51	0:00:11	-50.56	-30.51	498.87	-50.70	-29.58	498.85	-143.57	0.43
1770	1/22/2021 10:20	1/22/2021 10:20	0:00:00	8.55	75.77	475.72	8.55	75.77	475.72	-143.89	0.11
1771	1/22/2021 10:22	1/22/2021 10:22	0:00:00	15.00	80.60	476.26	15.00	80.60	476.26	-143.98	0.02
1772	1/22/2021 10:24	1/22/2021 10:24	0:00:10	19.88	84.53	477.04	20.36	84.94	477.13	-143.58	0.42
1773	1/22/2021 10:33	1/22/2021 10:33	0:00:09	42.61	112.13	484.37	42.95	112.82	484.52	-143.96	0.04
1774	1/22/2021 10:34	1/22/2021 10:34	0:00:39	44.27	115.66	485.14	45.51	118.63	485.74	-143.54	0.46
1775	1/22/2021 10:35	1/22/2021 10:35	0:00:00	47.46	124.16	486.75	47.46	124.16	486.75	-143.71	0.29
1776	1/22/2021 10:39	1/22/2021 10:39	0:00:00	51.05	141.08	489.11	51.05	141.08	489.11	-143.92	0.08
1777	1/22/2021 10:45	1/22/2021 10:45	0:00:10	49.09	177.38	491.55	48.88	178.25	491.57	-142.87	1.13
1778	1/22/2021 11:06	1/22/2021 11:06	0:00:00	-6.34	-117.78	490.68	-6.34	-117.78	490.68	-143.97	0.03
1779	1/22/2021 11:20	1/22/2021 11:21	0:00:20	-43.36	-78.30	498.27	-44.02	-76.89	498.39	-143.59	0.41
1780	1/22/2021 11:23	1/22/2021 11:23	0:00:19	-47.76	-66.87	498.86	-48.24	-65.20	498.90	-143.40	0.60
1781	1/22/2021 11:25	1/22/2021 11:26	0:00:21	-50.54	-54.56	498.84	-50.82	-52.69	498.78	-143.64	0.36
1782	1/22/2021 11:58	1/22/2021 11:58	0:00:00	20.30	60.96	477.08	20.30	60.96	477.08	-143.62	0.38
1783	1/22/2021 12:07	1/22/2021 12:07	0:00:00	42.91	88.81	484.47	42.91	88.81	484.47	-143.96	0.04
1784	1/22/2021 12:08	1/22/2021 12:09	0:00:41	44.55	92.37	485.24	45.77	95.37	485.83	-143.66	0.34
1785	1/22/2021 12:10	1/22/2021 12:10	0:00:00	47.43	100.12	486.70	47.43	100.12	486.70	-143.84	0.16
1786	1/22/2021 12:13	1/22/2021 12:13	0:00:00	51.03	117.03	489.08	51.03	117.03	489.08	-143.76	0.24
1787	1/22/2021 12:19	1/22/2021 12:19	0:00:09	48.91	154.21	491.58	48.69	155.07	491.60	-143.12	0.88
1788	1/22/2021 12:55	1/22/2021 12:55	0:00:20	-43.65	-101.62	498.29	-44.30	-100.19	498.40	-143.59	0.41
1789	1/22/2021 12:57	1/22/2021 12:57	0:00:09	-47.97	-90.07	498.84	-48.21	-89.24	498.85	-143.40	0.60
1790	1/22/2021 12:59	1/22/2021 13:00	0:00:11	-50.67	-77.68	498.76	-50.80	-76.74	498.74	-143.78	0.22
1791	1/22/2021 13:01	1/22/2021 13:01	0:00:00	-51.68	-67.13	498.27	-51.68	-67.13	498.27	-143.98	0.02
1792	1/22/2021 13:41	1/22/2021 13:41	0:00:09	42.86	64.79	484.42	43.20	65.49	484.58	-143.97	0.03
1793	1/22/2021 13:42	1/22/2021 13:43	0:00:39	44.51	68.35	485.19	45.74	71.35	485.79	-143.55	0.45
1794	1/22/2021 13:44	1/22/2021 13:44	0:00:00	47.66	76.92	486.80	47.66	76.92	486.80	-143.49	0.51
1795	1/22/2021 13:47	1/22/2021 13:47	0:00:00	51.13	93.94	489.15	51.13	93.94	489.15	-143.93	0.07
1796	1/22/2021 13:54	1/22/2021 13:54	0:00:10	48.94	130.18	491.56	48.72	131.04	491.58	-143.28	0.72
1797	1/22/2021 13:54	1/22/2021 13:54	0:00:00	47.78	134.42	491.64	47.78	134.42	491.64	-143.75	0.25
1798	1/22/2021 14:29	1/22/2021 14:29	0:00:20	-43.61	-125.63	498.32	-44.26	-124.21	498.43	-143.62	0.38
1799	1/22/2021 14:31	1/22/2021 14:32	0:00:19	-47.94	-114.11	498.87	-48.41	-112.43	498.90	-143.52	0.48
1800	1/22/2021 14:34	1/22/2021 14:34	0:00:10	-50.78	-100.79	498.77	-50.91	-99.84	498.74	-143.78	0.22

Table 11 Departure GN 6 Mbps (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)
1801	1/22/2021 14:35	1/22/2021 14:36	0:00:11	-51.68	-91.18	498.31	-51.72	-90.20	498.24	-143.71	0.29
1802	1/22/2021 15:16	1/22/2021 15:16	0:00:00	43.16	41.48	484.50	43.16	41.48	484.50	-143.94	0.06
1803	1/22/2021 15:16	1/22/2021 15:17	0:00:41	44.79	45.07	485.26	45.99	48.09	485.86	-143.68	0.32
1804	1/22/2021 15:18	1/22/2021 15:18	0:00:09	47.62	52.89	486.72	47.87	53.71	486.86	-143.78	0.22
1805	1/22/2021 15:21	1/22/2021 15:21	0:00:00	51.12	69.90	489.07	51.12	69.90	489.07	-143.94	0.06
1806	1/22/2021 15:28	1/22/2021 15:28	0:00:20	48.96	106.14	491.49	48.52	107.87	491.53	-143.18	0.82
1807	1/22/2021 16:03	1/22/2021 16:04	0:00:20	-43.89	-148.94	498.32	-44.54	-147.49	498.42	-143.64	0.36
1808	1/22/2021 16:06	1/22/2021 16:06	0:00:09	-48.15	-137.30	498.83	-48.39	-136.46	498.84	-143.53	0.47
1809	1/22/2021 16:08	1/22/2021 16:08	0:00:20	-50.77	-124.82	498.72	-51.02	-122.94	498.66	-143.79	0.21
1810	1/22/2021 16:10	1/22/2021 16:10	0:00:09	-51.72	-114.25	498.20	-51.75	-113.27	498.13	-143.53	0.47
1811	1/22/2021 16:50	1/22/2021 16:50	0:00:09	43.12	17.47	484.47	43.46	18.17	484.63	-143.94	0.06
1812	1/22/2021 16:51	1/22/2021 16:51	0:00:39	44.75	21.06	485.24	45.96	24.08	485.83	-143.59	0.41
1813	1/22/2021 16:52	1/22/2021 16:52	0:00:00	47.84	29.69	486.83	47.84	29.69	486.83	-143.49	0.51
1814	1/22/2021 16:56	1/22/2021 16:56	0:00:00	51.21	46.81	489.16	51.21	46.81	489.16	-143.95	0.05
1815	1/22/2021 17:02	1/22/2021 17:02	0:00:10	48.78	82.98	491.50	48.55	83.84	491.52	-143.17	0.83
1816	1/22/2021 17:37	1/22/2021 17:38	0:00:20	-43.86	-172.95	498.31	-44.50	-171.51	498.41	-143.64	0.36
1817	1/22/2021 17:40	1/22/2021 17:40	0:00:19	-48.12	-161.32	498.81	-48.59	-159.63	498.83	-143.68	0.32
1818	1/22/2021 17:42	1/22/2021 17:43	0:00:10	-50.88	-147.92	498.67	-51.00	-146.98	498.64	-143.79	0.21
1819	1/22/2021 17:44	1/22/2021 17:44	0:00:20	-51.71	-138.29	498.18	-51.77	-136.33	498.04	-143.05	0.95
1820	1/22/2021 18:24	1/22/2021 18:24	0:00:00	43.42	-5.84	484.62	43.42	-5.84	484.62	-143.92	0.08
1821	1/22/2021 18:25	1/22/2021 18:26	0:00:41	45.02	-2.21	485.38	46.21	0.84	485.98	-143.72	0.28
1822	1/22/2021 18:26	1/22/2021 18:27	0:00:30	47.31	4.02	486.56	48.06	6.50	486.98	-143.74	0.26
1823	1/22/2021 18:30	1/22/2021 18:30	0:00:00	51.30	23.74	489.29	51.30	23.74	489.29	-143.95	0.05
1824	1/22/2021 18:36	1/22/2021 18:36	0:00:11	48.80	58.96	491.55	48.58	59.82	491.57	-143.52	0.48
1825	1/22/2021 19:12	1/22/2021 19:12	0:00:09	-44.14	163.76	498.37	-44.46	164.48	498.42	-143.69	0.31
1826	1/22/2021 19:14	1/22/2021 19:14	0:00:09	-48.33	175.49	498.84	-48.56	176.34	498.85	-143.72	0.28
1827	1/22/2021 19:17	1/22/2021 19:17	0:00:09	-50.99	-171.01	498.66	-51.10	-170.07	498.62	-143.81	0.19
1828	1/22/2021 19:18	1/22/2021 19:18	0:00:20	-51.70	-162.33	498.20	-51.77	-160.37	498.07	-143.01	0.99
1829	1/22/2021 19:58	1/22/2021 19:58	0:00:09	43.38	-29.85	484.65	43.71	-29.14	484.81	-143.91	0.09
1830	1/22/2021 19:59	1/22/2021 20:00	0:00:39	44.99	-26.23	485.42	46.18	-23.18	486.01	-143.68	0.32
1831	1/22/2021 20:00	1/22/2021 20:00	0:00:00	47.27	-20.00	486.59	47.27	-20.00	486.59	-143.99	0.01
1832	1/22/2021 20:01	1/22/2021 20:01	0:00:00	48.03	-17.53	487.01	48.03	-17.53	487.01	-143.44	0.56
1833	1/22/2021 20:04	1/22/2021 20:04	0:00:09	51.28	-0.31	489.31	51.37	0.66	489.41	-143.92	0.08
1834	1/22/2021 20:11	1/22/2021 20:11	0:00:10	48.60	35.78	491.58	48.38	36.64	491.60	-143.63	0.37
1835	1/22/2021 20:46	1/22/2021 20:46	0:00:09	-44.10	139.75	498.44	-44.42	140.47	498.49	-143.65	0.35
1836	1/22/2021 20:48	1/22/2021 20:48	0:00:09	-48.30	151.46	498.95	-48.53	152.31	498.96	-143.89	0.11
1837	1/22/2021 20:51	1/22/2021 20:51	0:00:10	-50.97	164.94	498.80	-51.09	165.89	498.76	-143.80	0.20
1838	1/22/2021 20:53	1/22/2021 20:53	0:00:19	-51.73	174.60	498.30	-51.78	176.56	498.16	-142.38	1.62
1839	1/22/2021 21:33	1/22/2021 21:33	0:00:00	43.66	-53.16	484.74	43.66	-53.16	484.74	-143.90	0.10
1840	1/22/2021 21:33	1/22/2021 21:34	0:00:41	45.25	-49.51	485.49	46.42	-46.43	486.08	-143.76	0.24
1841	1/22/2021 21:35	1/22/2021 21:35	0:00:30	47.50	-43.22	486.65	48.23	-40.72	487.06	-143.49	0.51
1842	1/22/2021 21:39	1/22/2021 21:39	0:00:00	51.36	-23.40	489.30	51.36	-23.40	489.30	-143.78	0.22
1843	1/22/2021 21:45	1/22/2021 21:45	0:00:11	48.63	11.74	491.45	48.40	12.60	491.46	-143.85	0.15
1844	1/22/2021 22:20	1/22/2021 22:20	0:00:10	-44.38	116.45	498.53	-44.69	117.18	498.58	-143.76	0.24
1845	1/22/2021 22:23	1/22/2021 22:23	0:00:00	-48.50	128.28	499.03	-48.50	128.28	499.03	-143.89	0.11
1846	1/22/2021 22:25	1/22/2021 22:25	0:00:09	-51.07	141.85	498.86	-51.18	142.80	498.83	-143.96	0.04
1847	1/22/2021 22:27	1/22/2021 22:27	0:00:20	-51.73	150.55	498.42	-51.78	152.51	498.28	-142.76	1.24
1848	1/22/2021 22:53	1/22/2021 22:53	0:00:00	6.54	-117.08	475.75	6.54	-117.08	475.75	-143.90	0.10
1849	1/22/2021 23:07	1/22/2021 23:07	0:00:09	43.62	-77.18	484.67	43.95	-76.47	484.82	-143.92	0.08
1850	1/22/2021 23:08	1/22/2021 23:08	0:00:39	45.21	-73.53	485.41	46.38	-70.46	485.99	-143.76	0.24
1851	1/22/2021 23:09	1/22/2021 23:09	0:00:30	47.46	-67.26	486.55	48.20	-64.76	486.96	-143.34	0.66
1852	1/22/2021 23:13	1/22/2021 23:13	0:00:09	51.35	-47.45	489.18	51.43	-46.48	489.28	-143.83	0.17
1853	1/22/2021 23:54	1/22/2021 23:54	0:00:00	-44.66	93.16	498.51	-44.66	93.16	498.51	-143.63	0.37
1854	1/23/2021 0:01	1/23/2021 0:01	0:00:19	-51.76	127.49	498.31	-51.79	129.45	498.17	-142.55	1.45
1855	1/23/2021 0:27	1/23/2021 0:27	0:00:00	6.98	-140.69	475.77	6.98	-140.69	475.77	-143.98	0.02
1856	1/23/2021 0:41	1/23/2021 0:41	0:00:11	43.91	-100.48	484.80	44.23	-99.76	484.95	-143.89	0.11
1857	1/23/2021 0:42	1/23/2021 0:43	0:00:41	45.48	-96.80	485.54	46.63	-93.70	486.11	-143.76	0.24
1858	1/23/2021 0:43	1/23/2021 0:44	0:00:30	47.69	-90.46	486.66	48.41	-87.94	487.06	-143.42	0.58
1859	1/23/2021 0:47	1/23/2021 0:47	0:00:09	51.43	-70.53	489.25	51.50	-69.56	489.34	-143.55	0.45
1860	1/23/2021 1:29	1/23/2021 1:29	0:00:10	-44.62	69.15	498.48	-44.93	69.89	498.53	-143.80	0.20

Table 11 Departure GN 6 Mbps (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)
1861	1/23/2021 1:35	1/23/2021 1:35	0:00:20	-51.76	103.44	498.30	-51.79	105.41	498.16	-143.01	0.99
1862	1/23/2021 2:15	1/23/2021 2:15	0:00:09	43.87	-124.49	484.73	44.20	-123.77	484.88	-143.94	0.06
1863	1/23/2021 2:16	1/23/2021 2:17	0:00:40	45.44	-120.81	485.47	46.60	-117.71	486.05	-143.75	0.25
1864	1/23/2021 2:17	1/23/2021 2:18	0:00:41	47.66	-114.48	486.60	48.61	-111.12	487.13	-143.29	0.71
1865	1/23/2021 2:21	1/23/2021 2:21	0:00:09	51.42	-94.57	489.19	51.50	-93.60	489.28	-143.74	0.26
1866	1/23/2021 3:03	1/23/2021 3:03	0:00:00	-44.89	45.88	498.52	-44.89	45.88	498.52	-143.64	0.36
1867	1/23/2021 3:10	1/23/2021 3:10	0:00:19	-51.78	80.38	498.21	-51.80	82.35	498.07	-142.86	1.14
1868	1/23/2021 3:50	1/23/2021 3:50	0:00:11	44.16	-147.78	484.87	44.48	-147.05	485.02	-143.89	0.11
1869	1/23/2021 3:50	1/23/2021 3:51	0:00:41	45.71	-144.06	485.61	46.84	-140.93	486.18	-143.76	0.24
1870	1/23/2021 3:52	1/23/2021 3:52	0:00:30	47.88	-137.67	486.73	48.59	-135.14	487.13	-143.45	0.55
1871	1/23/2021 3:56	1/23/2021 3:56	0:00:09	51.49	-117.63	489.31	51.56	-116.66	489.40	-143.53	0.47
1872	1/23/2021 4:37	1/23/2021 4:37	0:00:10	-44.86	21.86	498.62	-45.16	22.60	498.66	-143.83	0.17
1873	1/23/2021 4:44	1/23/2021 4:44	0:00:20	-51.77	56.34	498.30	-51.80	58.30	498.15	-143.10	0.90
1874	1/23/2021 5:10	1/23/2021 5:10	0:00:00	7.80	148.13	475.59	7.80	148.13	475.59	-144.00	0.00
1875	1/23/2021 5:24	1/23/2021 5:24	0:00:09	44.12	-171.79	484.75	44.44	-171.06	484.90	-143.93	0.07
1876	1/23/2021 5:25	1/23/2021 5:25	0:00:39	45.67	-168.08	485.49	46.81	-164.95	486.06	-143.74	0.26
1877	1/23/2021 5:26	1/23/2021 5:26	0:00:30	47.85	-161.69	486.62	48.56	-159.16	487.02	-143.62	0.38
1878	1/23/2021 5:30	1/23/2021 5:30	0:00:09	51.48	-141.67	489.21	51.55	-140.70	489.31	-143.72	0.28
1879	1/23/2021 6:11	1/23/2021 6:11	0:00:00	-45.13	-1.41	498.83	-45.13	-1.41	498.83	-143.65	0.35
1880	1/23/2021 6:18	1/23/2021 6:18	0:00:19	-51.79	33.28	498.39	-51.80	35.24	498.23	-143.18	0.82
1881	1/23/2021 6:45	1/23/2021 6:45	0:00:00	8.24	124.52	475.48	8.24	124.52	475.48	-143.90	0.10
1882	1/23/2021 6:48	1/23/2021 6:48	0:00:00	18.13	132.06	476.40	18.13	132.06	476.40	-143.98	0.02
1883	1/23/2021 6:58	1/23/2021 6:58	0:00:11	44.40	164.92	484.65	44.72	165.66	484.80	-143.87	0.13
1884	1/23/2021 6:59	1/23/2021 6:59	0:00:30	45.93	168.67	485.39	46.77	171.03	485.82	-143.75	0.25
1885	1/23/2021 7:00	1/23/2021 7:01	0:00:30	48.06	175.12	486.51	48.75	177.67	486.91	-143.44	0.56
1886	1/23/2021 7:04	1/23/2021 7:04	0:00:09	51.54	-164.74	489.08	51.60	-163.76	489.17	-143.66	0.34
1887	1/23/2021 7:46	1/23/2021 7:46	0:00:10	-45.09	-25.42	498.86	-45.39	-24.67	498.90	-143.80	0.20
1888	1/23/2021 7:52	1/23/2021 7:52	0:00:20	-51.79	9.24	498.42	-51.80	11.20	498.27	-143.23	0.77
1889	1/23/2021 8:19	1/23/2021 8:19	0:00:00	8.68	100.92	475.45	8.68	100.92	475.45	-143.96	0.04
1890	1/23/2021 8:32	1/23/2021 8:32	0:00:09	44.36	140.92	484.66	44.68	141.65	484.81	-143.92	0.08
1891	1/23/2021 8:33	1/23/2021 8:34	0:00:40	45.89	144.66	485.40	47.01	147.81	485.97	-143.73	0.27
1892	1/23/2021 8:34	1/23/2021 8:35	0:00:30	48.03	151.10	486.53	48.73	153.65	486.93	-143.72	0.28
1893	1/23/2021 8:38	1/23/2021 8:39	0:00:20	51.53	171.23	489.10	51.65	173.18	489.29	-143.69	0.31
1894	1/23/2021 8:45	1/23/2021 8:45	0:00:00	47.64	-152.23	491.16	47.64	-152.23	491.16	-143.94	0.06
1895	1/23/2021 9:20	1/23/2021 9:20	0:00:00	-45.36	-48.69	499.02	-45.36	-48.69	499.02	-143.64	0.36
1896	1/23/2021 9:26	1/23/2021 9:27	0:00:30	-51.78	-14.81	498.54	-51.79	-11.86	498.30	-143.50	0.50
1897	1/23/2021 9:53	1/23/2021 9:53	0:00:00	9.12	77.31	475.45	9.12	77.31	475.45	-143.99	0.01
1898	1/23/2021 10:07	1/23/2021 10:07	0:00:20	44.32	116.90	484.64	44.95	118.37	484.94	-143.86	0.14
1899	1/23/2021 10:07	1/23/2021 10:08	0:00:30	46.15	121.42	485.53	46.98	123.79	485.97	-143.75	0.25
1900	1/23/2021 10:09	1/23/2021 10:09	0:00:00	48.24	127.91	486.66	48.24	127.91	486.66	-143.39	0.61
1901	1/23/2021 10:13	1/23/2021 10:13	0:00:09	51.59	148.15	489.22	51.64	149.13	489.31	-143.71	0.29
1902	1/23/2021 10:19	1/23/2021 10:19	0:00:00	47.67	-176.26	491.22	47.67	-176.26	491.22	-143.95	0.05
1903	1/23/2021 10:54	1/23/2021 10:54	0:00:11	-45.32	-72.71	499.00	-45.62	-71.95	499.04	-143.77	0.23
1904	1/23/2021 11:01	1/23/2021 11:01	0:00:20	-51.79	-37.88	498.43	-51.79	-35.91	498.26	-143.60	0.40
1905	1/23/2021 11:27	1/23/2021 11:28	0:00:11	9.06	53.34	475.41	9.56	53.71	475.43	-143.96	0.04
1906	1/23/2021 11:41	1/23/2021 11:41	0:00:10	44.60	93.62	484.75	44.91	94.35	484.90	-143.86	0.14
1907	1/23/2021 11:42	1/23/2021 11:42	0:00:40	46.11	97.39	485.49	47.21	100.57	486.06	-143.73	0.27
1908	1/23/2021 11:43	1/23/2021 11:43	0:00:11	48.21	103.88	486.62	48.45	104.73	486.75	-143.73	0.27
1909	1/23/2021 11:47	1/23/2021 11:47	0:00:20	51.58	124.11	489.20	51.69	126.06	489.39	-143.59	0.41
1910	1/23/2021 11:53	1/23/2021 11:53	0:00:00	47.45	160.54	491.25	47.45	160.54	491.25	-143.88	0.12
1911	1/23/2021 12:28	1/23/2021 12:29	0:00:11	-45.58	-95.97	498.99	-45.87	-95.21	499.03	-143.66	0.34
1912	1/23/2021 12:35	1/23/2021 12:35	0:00:20	-51.79	-61.92	498.37	-51.79	-59.96	498.21	-143.85	0.15
1913	1/23/2021 13:02	1/23/2021 13:02	0:00:11	9.50	29.74	475.38	10.00	30.10	475.40	-143.83	0.17
1914	1/23/2021 13:15	1/23/2021 13:15	0:00:20	44.56	69.60	484.70	45.19	71.09	485.00	-143.70	0.30
1915	1/23/2021 13:16	1/23/2021 13:16	0:00:30	46.36	74.16	485.59	47.18	76.55	486.02	-143.75	0.25
1916	1/23/2021 13:17	1/23/2021 13:17	0:00:00	48.42	80.70	486.71	48.42	80.70	486.71	-143.49	0.51
1917	1/23/2021 13:21	1/23/2021 13:21	0:00:09	51.63	101.04	489.26	51.68	102.02	489.35	-143.55	0.45
1918	1/23/2021 13:27	1/23/2021 13:27	0:00:00	47.48	136.52	491.23	47.48	136.52	491.23	-143.90	0.10
1919	1/23/2021 14:03	1/23/2021 14:03	0:00:10	-45.54	-119.99	499.03	-45.84	-119.23	499.07	-143.76	0.24
1920	1/23/2021 14:09	1/23/2021 14:09	0:00:00	-51.79	-85.97	498.41	-51.79	-85.97	498.41	-143.88	0.12

Table 11 Departure GN 6 Mbps (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)
1921	1/23/2021 14:36	1/23/2021 14:36	0:00:09	9.94	6.13	475.36	10.43	6.50	475.39	-143.74	0.26
1922	1/23/2021 14:49	1/23/2021 14:49	0:00:19	44.53	45.59	484.62	45.15	47.07	484.92	-143.66	0.34
1923	1/23/2021 14:50	1/23/2021 14:51	0:00:41	46.33	50.14	485.51	47.41	53.34	486.08	-143.73	0.27
1924	1/23/2021 14:52	1/23/2021 14:52	0:00:00	48.62	57.53	486.76	48.62	57.53	486.76	-143.79	0.21
1925	1/23/2021 14:55	1/23/2021 14:56	0:00:20	51.63	77.00	489.18	51.72	78.96	489.36	-143.40	0.60
1926	1/23/2021 15:02	1/23/2021 15:02	0:00:00	47.52	112.49	491.16	47.52	112.49	491.16	-143.98	0.02
1927	1/23/2021 15:37	1/23/2021 15:37	0:00:11	-45.81	-143.24	499.02	-46.10	-142.47	499.06	-143.73	0.27
1928	1/23/2021 15:43	1/23/2021 15:43	0:00:00	-51.80	-109.02	498.30	-51.80	-109.02	498.30	-143.93	0.07
1929	1/23/2021 16:10	1/23/2021 16:10	0:00:09	10.38	-17.47	475.35	10.88	-17.10	475.38	-143.67	0.33
1930	1/23/2021 16:12	1/23/2021 16:12	0:00:10	13.85	-14.86	475.63	14.34	-14.48	475.68	-143.67	0.33
1931	1/23/2021 16:13	1/23/2021 16:13	0:00:00	19.23	-10.58	476.39	19.23	-10.58	476.39	-143.96	0.04
1932	1/23/2021 16:24	1/23/2021 16:24	0:00:20	44.81	22.32	484.75	45.42	23.81	485.04	-143.39	0.61
1933	1/23/2021 16:24	1/23/2021 16:25	0:00:30	46.58	26.91	485.63	47.38	29.32	486.06	-143.75	0.25
1934	1/23/2021 16:26	1/23/2021 16:26	0:00:00	48.60	33.50	486.74	48.60	33.50	486.74	-143.71	0.29
1935	1/23/2021 16:30	1/23/2021 16:30	0:00:09	51.67	53.94	489.25	51.72	54.92	489.34	-143.46	0.54
1936	1/23/2021 17:11	1/23/2021 17:11	0:00:00	-44.87	-169.51	498.87	-44.87	-169.51	498.87	-143.95	0.05
1937	1/23/2021 17:11	1/23/2021 17:11	0:00:00	-46.06	-166.49	499.03	-46.06	-166.49	499.03	-143.77	0.23
1938	1/23/2021 17:17	1/23/2021 17:17	0:00:00	-51.80	-133.06	498.27	-51.80	-133.06	498.27	-143.80	0.20
1939	1/23/2021 17:45	1/23/2021 17:45	0:00:09	10.32	-41.43	475.31	10.82	-41.06	475.34	-143.72	0.28
1940	1/23/2021 17:46	1/23/2021 17:46	0:00:09	14.29	-38.45	475.64	14.78	-38.07	475.70	-143.21	0.79
1941	1/23/2021 17:58	1/23/2021 17:58	0:00:30	44.77	-1.69	484.75	45.68	0.57	485.19	-143.44	0.56
1942	1/23/2021 17:59	1/23/2021 17:59	0:00:41	46.55	2.90	485.63	47.61	6.13	486.21	-143.73	0.27
1943	1/23/2021 18:00	1/23/2021 18:00	0:00:00	48.79	10.35	486.89	48.79	10.35	486.89	-143.90	0.10
1944	1/23/2021 18:04	1/23/2021 18:04	0:00:20	51.67	29.91	489.28	51.75	31.87	489.47	-143.16	0.84
1945	1/23/2021 18:45	1/23/2021 18:46	0:00:11	-46.03	169.50	499.04	-46.31	170.28	499.08	-143.78	0.22
1946	1/23/2021 18:52	1/23/2021 18:52	0:00:00	-51.79	-156.11	498.21	-51.79	-156.11	498.21	-144.00	0.00
1947	1/23/2021 19:19	1/23/2021 19:19	0:00:09	10.76	-65.03	475.39	11.26	-64.66	475.42	-143.66	0.34
1948	1/23/2021 19:20	1/23/2021 19:20	0:00:19	14.23	-62.42	475.69	15.22	-61.65	475.80	-142.65	1.35
1949	1/23/2021 19:22	1/23/2021 19:22	0:00:00	19.61	-58.12	476.48	19.61	-58.12	476.48	-143.67	0.33
1950	1/23/2021 19:32	1/23/2021 19:32	0:00:20	45.04	-24.96	484.93	45.65	-23.45	485.22	-143.04	0.96
1951	1/23/2021 19:33	1/23/2021 19:34	0:00:41	46.79	-20.32	485.81	47.83	-17.07	486.37	-143.76	0.24
1952	1/23/2021 19:34	1/23/2021 19:34	0:00:00	48.77	-13.68	486.92	48.77	-13.68	486.92	-143.87	0.13
1953	1/23/2021 19:38	1/23/2021 19:38	0:00:19	51.66	5.87	489.31	51.74	7.83	489.49	-143.31	0.69
1954	1/23/2021 20:19	1/23/2021 20:19	0:00:00	-45.10	143.22	499.01	-45.10	143.22	499.01	-143.76	0.24
1955	1/23/2021 20:20	1/23/2021 20:20	0:00:00	-46.28	146.26	499.17	-46.28	146.26	499.17	-143.80	0.20
1956	1/23/2021 20:26	1/23/2021 20:26	0:00:00	-51.79	179.85	498.37	-51.79	179.85	498.37	-143.86	0.14
1957	1/23/2021 20:53	1/23/2021 20:53	0:00:00	11.20	-88.63	475.54	11.20	-88.63	475.54	-143.76	0.24
1958	1/23/2021 20:54	1/23/2021 20:54	0:00:20	14.17	-86.39	475.79	15.16	-85.63	475.90	-142.11	1.89
1959	1/23/2021 20:56	1/23/2021 20:56	0:00:00	20.03	-81.69	476.64	20.03	-81.69	476.64	-143.46	0.54
1960	1/23/2021 21:06	1/23/2021 21:07	0:00:30	45.00	-48.98	484.86	45.90	-46.70	485.30	-143.19	0.81
1961	1/23/2021 21:07	1/23/2021 21:08	0:00:41	46.75	-44.35	485.74	47.80	-41.10	486.30	-143.73	0.27
1962	1/23/2021 21:09	1/23/2021 21:09	0:00:00	48.95	-36.85	486.97	48.95	-36.85	486.97	-143.99	0.01
1963	1/23/2021 21:12	1/23/2021 21:13	0:00:31	51.65	-18.18	489.20	51.76	-15.23	489.47	-143.13	0.87
1964	1/23/2021 21:54	1/23/2021 21:54	0:00:11	-46.25	122.25	499.23	-46.53	123.03	499.26	-143.84	0.16
1965	1/23/2021 22:00	1/23/2021 22:00	0:00:00	-51.79	156.79	498.43	-51.79	156.79	498.43	-143.91	0.09
1966	1/23/2021 22:27	1/23/2021 22:27	0:00:00	11.13	-112.61	475.62	11.13	-112.61	475.62	-143.93	0.07
1967	1/23/2021 22:29	1/23/2021 22:29	0:00:19	14.60	-109.98	475.91	15.58	-109.22	476.03	-141.58	2.42
1968	1/23/2021 22:30	1/23/2021 22:30	0:00:00	19.97	-105.67	476.69	19.97	-105.67	476.69	-143.66	0.34
1969	1/23/2021 22:41	1/23/2021 22:41	0:00:29	45.27	-72.25	484.92	46.16	-69.95	485.36	-142.57	1.43
1970	1/23/2021 22:41	1/23/2021 22:42	0:00:30	46.99	-67.58	485.78	47.77	-65.13	486.19	-143.76	0.24
1971	1/23/2021 22:43	1/23/2021 22:43	0:00:00	48.93	-60.89	486.85	48.93	-60.89	486.85	-144.00	0.00
1972	1/23/2021 22:46	1/23/2021 22:47	0:00:19	51.69	-41.25	489.16	51.76	-39.28	489.33	-143.10	0.90
1973	1/23/2021 23:28	1/23/2021 23:28	0:00:00	-45.34	95.94	499.03	-45.34	95.94	499.03	-143.69	0.31
1974	1/23/2021 23:28	1/23/2021 23:28	0:00:00	-46.50	99.01	499.19	-46.50	99.01	499.19	-143.83	0.17
1975	1/23/2021 23:34	1/23/2021 23:34	0:00:00	-51.79	132.75	498.40	-51.79	132.75	498.40	-143.83	0.17
1976	1/24/2021 0:02	1/24/2021 0:02	0:00:00	11.57	-136.20	475.67	11.57	-136.20	475.67	-143.88	0.12
1977	1/24/2021 0:03	1/24/2021 0:03	0:00:20	15.04	-133.57	475.98	16.02	-132.80	476.10	-142.04	1.96
1978	1/24/2021 0:05	1/24/2021 0:05	0:00:00	20.39	-129.23	476.78	20.39	-129.23	476.78	-143.35	0.65
1979	1/24/2021 0:15	1/24/2021 0:15	0:00:30	45.24	-96.26	484.90	46.13	-93.97	485.34	-143.03	0.97
1980	1/24/2021 0:16	1/24/2021 0:16	0:00:41	46.96	-91.60	485.76	47.99	-88.32	486.30	-143.73	0.27

Table 11 Departure GN 6 Mbps (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)
1981	1/24/2021 0:18	1/24/2021 0:18	0:00:00	49.71	-81.38	487.33	49.71	-81.38	487.33	-143.90	0.10
1982	1/24/2021 0:20	1/24/2021 0:21	0:00:31	51.69	-65.29	489.13	51.78	-62.34	489.38	-143.13	0.87
1983	1/24/2021 1:02	1/24/2021 1:02	0:00:00	-46.47	75.00	499.17	-46.47	75.00	499.17	-143.88	0.12
1984	1/24/2021 1:09	1/24/2021 1:09	0:00:00	-51.78	109.69	498.30	-51.78	109.69	498.30	-143.69	0.31
1985	1/24/2021 1:36	1/24/2021 1:36	0:00:00	12.02	-159.80	475.66	12.02	-159.80	475.66	-143.93	0.07
1986	1/24/2021 1:37	1/24/2021 1:37	0:00:19	14.98	-157.54	475.94	15.96	-156.77	476.06	-141.63	2.37
1987	1/24/2021 1:39	1/24/2021 1:39	0:00:09	20.34	-153.20	476.73	20.82	-152.79	476.82	-143.59	0.41
1988	1/24/2021 1:49	1/24/2021 1:49	0:00:29	45.51	-119.52	484.99	46.38	-117.20	485.41	-142.93	1.07
1989	1/24/2021 1:50	1/24/2021 1:50	0:00:30	47.20	-114.81	485.83	47.96	-112.34	486.24	-143.76	0.24
1990	1/24/2021 1:52	1/24/2021 1:52	0:00:21	49.50	-106.30	487.14	49.87	-104.50	487.39	-143.79	0.21
1991	1/24/2021 1:55	1/24/2021 1:55	0:00:19	51.73	-88.34	489.15	51.78	-86.37	489.32	-142.92	1.08
1992	1/24/2021 2:37	1/24/2021 2:37	0:00:00	-46.71	51.77	499.19	-46.71	51.77	499.19	-143.85	0.15
1993	1/24/2021 2:43	1/24/2021 2:43	0:00:11	-51.78	85.66	498.28	-51.76	86.64	498.20	-143.67	0.33
1994	1/24/2021 3:11	1/24/2021 3:12	0:00:20	15.42	178.88	475.94	16.40	179.65	476.07	-142.42	1.58
1995	1/24/2021 3:13	1/24/2021 3:13	0:00:00	20.77	-176.76	476.77	20.77	-176.76	476.77	-143.87	0.13
1996	1/24/2021 3:23	1/24/2021 3:24	0:00:30	45.47	-143.52	484.98	46.35	-141.21	485.41	-143.04	0.96
1997	1/24/2021 3:24	1/24/2021 3:25	0:00:41	47.17	-138.82	485.83	48.17	-135.51	486.38	-143.73	0.27
1998	1/24/2021 3:26	1/24/2021 3:26	0:00:30	49.48	-130.32	487.15	50.03	-127.62	487.52	-143.54	0.46
1999	1/24/2021 3:29	1/24/2021 3:30	0:00:31	51.72	-112.37	489.18	51.79	-109.42	489.43	-143.00	1.00
2000	1/24/2021 4:11	1/24/2021 4:11	0:00:00	-46.68	27.76	499.28	-46.68	27.76	499.28	-143.92	0.08
2001	1/24/2021 4:17	1/24/2021 4:17	0:00:09	-51.78	61.62	498.36	-51.76	62.60	498.27	-143.33	0.67
2002	1/24/2021 4:46	1/24/2021 4:46	0:00:10	15.85	155.30	475.89	16.34	155.68	475.96	-142.90	1.10
2003	1/24/2021 4:58	1/24/2021 4:58	0:00:29	45.74	-166.77	485.01	46.60	-164.43	485.44	-143.13	0.87
2004	1/24/2021 4:58	1/24/2021 4:59	0:00:30	47.40	-162.02	485.86	48.15	-159.53	486.27	-143.76	0.24
2005	1/24/2021 5:00	1/24/2021 5:01	0:00:30	49.65	-153.45	487.18	50.18	-150.73	487.54	-143.53	0.47
2006	1/24/2021 5:03	1/24/2021 5:04	0:00:20	51.75	-135.42	489.19	51.79	-133.45	489.36	-142.84	1.16
2007	1/24/2021 5:45	1/24/2021 5:45	0:00:00	-46.92	4.54	499.48	-46.92	4.54	499.48	-143.88	0.12
2008	1/24/2021 5:51	1/24/2021 5:52	0:00:11	-51.76	38.56	498.43	-51.73	39.54	498.34	-143.53	0.47
2009	1/24/2021 6:20	1/24/2021 6:20	0:00:09	15.79	131.33	475.74	16.29	131.71	475.80	-143.22	0.78
2010	1/24/2021 6:32	1/24/2021 6:33	0:01:40	45.70	169.22	484.77	48.36	177.29	486.16	-143.09	0.91
2011	1/24/2021 6:34	1/24/2021 6:35	0:00:30	49.62	-177.47	486.94	50.16	-174.76	487.30	-143.23	0.77
2012	1/24/2021 6:38	1/24/2021 6:38	0:00:30	51.75	-159.45	488.96	51.80	-156.50	489.22	-143.00	1.00
2013	1/24/2021 7:19	1/24/2021 7:19	0:00:00	-46.89	-19.48	499.51	-46.89	-19.48	499.51	-143.95	0.05
2014	1/24/2021 7:26	1/24/2021 7:26	0:00:09	-51.76	14.53	498.47	-51.74	15.51	498.38	-143.22	0.78
2015	1/24/2021 7:28	1/24/2021 7:28	0:00:00	-50.57	27.99	496.91	-50.57	27.99	496.91	-143.98	0.02
2016	1/24/2021 7:54	1/24/2021 7:54	0:00:11	16.23	107.75	475.76	16.72	108.14	475.82	-143.77	0.23
2017	1/24/2021 8:06	1/24/2021 8:08	0:01:49	45.96	145.98	484.91	48.78	154.99	486.43	-142.95	1.05
2018	1/24/2021 8:09	1/24/2021 8:09	0:00:30	49.79	159.40	487.06	50.30	162.14	487.42	-143.36	0.64
2019	1/24/2021 8:12	1/24/2021 8:12	0:00:19	51.77	177.50	489.06	51.79	179.47	489.23	-142.99	1.01
2020	1/24/2021 8:54	1/24/2021 8:54	0:00:00	-47.12	-42.69	499.66	-47.12	-42.69	499.66	-143.90	0.10
2021	1/24/2021 8:56	1/24/2021 8:56	0:00:00	-49.81	-32.45	499.77	-49.81	-32.45	499.77	-143.92	0.08
2022	1/24/2021 9:00	1/24/2021 9:00	0:00:00	-51.74	-8.52	498.50	-51.74	-8.52	498.50	-143.50	0.50
2023	1/24/2021 9:40	1/24/2021 9:42	0:01:49	45.93	121.97	484.91	48.76	130.96	486.44	-142.94	1.06
2024	1/24/2021 9:43	1/24/2021 9:44	0:00:41	49.77	135.37	487.08	50.44	139.03	487.56	-143.23	0.77
2025	1/24/2021 9:46	1/24/2021 9:47	0:00:30	51.77	153.46	489.10	51.79	156.41	489.35	-143.01	0.99
2026	1/24/2021 10:28	1/24/2021 10:28	0:00:00	-47.09	-66.71	499.64	-47.09	-66.71	499.64	-143.98	0.02
2027	1/24/2021 10:30	1/24/2021 10:30	0:00:11	-49.79	-56.49	499.74	-49.97	-55.59	499.73	-143.89	0.11
2028	1/24/2021 10:34	1/24/2021 10:34	0:00:09	-51.74	-32.57	498.46	-51.71	-31.59	498.37	-143.61	0.39
2029	1/24/2021 11:06	1/24/2021 11:06	0:00:00	27.54	69.88	477.98	27.54	69.88	477.98	-143.90	0.10
2030	1/24/2021 11:15	1/24/2021 11:16	0:01:49	46.18	98.73	485.01	48.95	107.80	486.53	-142.80	1.20
2031	1/24/2021 11:17	1/24/2021 11:18	0:00:30	49.93	112.25	487.17	50.42	115.00	487.53	-143.34	0.66
2032	1/24/2021 11:20	1/24/2021 11:21	0:00:20	51.78	130.40	489.17	51.80	132.37	489.33	-143.10	0.90
2033	1/24/2021 12:02	1/24/2021 12:02	0:00:00	-47.32	-89.93	499.61	-47.32	-89.93	499.61	-143.92	0.08
2034	1/24/2021 12:04	1/24/2021 12:04	0:00:00	-49.95	-79.62	499.68	-49.95	-79.62	499.68	-143.63	0.37
2035	1/24/2021 12:08	1/24/2021 12:08	0:00:00	-51.71	-55.63	498.31	-51.71	-55.63	498.31	-143.55	0.45
2036	1/24/2021 12:41	1/24/2021 12:41	0:00:00	27.95	46.37	478.05	27.95	46.37	478.05	-143.47	0.53
2037	1/24/2021 12:49	1/24/2021 12:50	0:01:49	46.15	74.71	484.96	48.92	83.78	486.49	-142.73	1.27
2038	1/24/2021 12:51	1/24/2021 12:52	0:00:41	49.91	88.22	487.13	50.55	91.90	487.61	-143.21	0.79
2039	1/24/2021 12:55	1/24/2021 12:55	0:00:30	51.78	106.37	489.13	51.79	109.32	489.38	-142.99	1.01
2040	1/24/2021 13:38	1/24/2021 13:39	0:00:11	-49.93	-103.65	499.72	-50.10	-102.74	499.71	-143.69	0.31

Table 11 Departure GN 6 Mbps (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)
2041	1/24/2021 13:41	1/24/2021 13:41	0:00:00	-51.70	-88.49	499.09	-51.70	-88.49	499.09	-143.75	0.25
2042	1/24/2021 13:43	1/24/2021 13:43	0:00:10	-51.72	-79.67	498.35	-51.67	-78.69	498.26	-143.85	0.15
2043	1/24/2021 13:45	1/24/2021 13:45	0:00:00	-50.64	-68.15	496.97	-50.64	-68.15	496.97	-143.85	0.15
2044	1/24/2021 14:15	1/24/2021 14:15	0:00:11	27.90	22.39	477.99	28.35	22.85	478.12	-143.63	0.37
2045	1/24/2021 14:23	1/24/2021 14:25	0:01:50	46.40	51.48	485.03	49.11	60.63	486.54	-142.87	1.13
2046	1/24/2021 14:26	1/24/2021 14:26	0:00:40	49.89	64.19	487.05	50.54	67.87	487.52	-143.29	0.71
2047	1/24/2021 14:29	1/24/2021 14:29	0:00:20	51.79	83.31	489.13	51.79	85.28	489.30	-143.17	0.83
2048	1/24/2021 15:11	1/24/2021 15:11	0:00:00	-47.53	-137.14	499.63	-47.53	-137.14	499.63	-143.94	0.06
2049	1/24/2021 15:13	1/24/2021 15:13	0:00:10	-49.91	-127.67	499.68	-50.08	-126.76	499.67	-143.33	0.67
2050	1/24/2021 15:17	1/24/2021 15:17	0:00:00	-51.68	-102.72	498.23	-51.68	-102.72	498.23	-143.70	0.30
2051	1/24/2021 15:49	1/24/2021 15:49	0:00:09	27.85	-1.59	477.96	28.30	-1.12	478.08	-143.15	0.85
2052	1/24/2021 15:57	1/24/2021 15:59	0:01:49	46.38	27.47	485.01	49.09	36.61	486.52	-142.92	1.08
2053	1/24/2021 16:00	1/24/2021 16:01	0:00:41	50.04	41.08	487.15	50.67	44.77	487.62	-143.19	0.81
2054	1/24/2021 16:03	1/24/2021 16:04	0:00:30	51.79	59.29	489.11	51.78	62.24	489.36	-143.06	0.94
2055	1/24/2021 16:47	1/24/2021 16:47	0:00:11	-50.06	-150.79	499.63	-50.23	-149.87	499.61	-143.67	0.33
2056	1/24/2021 16:50	1/24/2021 16:50	0:00:00	-51.73	-135.57	498.95	-51.73	-135.57	498.95	-143.50	0.50
2057	1/24/2021 16:51	1/24/2021 16:51	0:00:00	-51.69	-126.75	498.19	-51.69	-126.75	498.19	-143.87	0.13
2058	1/24/2021 16:52	1/24/2021 16:52	0:00:00	-51.51	-123.83	497.88	-51.51	-123.83	497.88	-143.75	0.25
2059	1/24/2021 16:53	1/24/2021 16:53	0:00:00	-50.53	-115.27	496.77	-50.53	-115.27	496.77	-143.99	0.01
2060	1/24/2021 17:23	1/24/2021 17:24	0:00:11	28.25	-25.09	478.05	28.71	-24.62	478.18	-143.02	0.98
2061	1/24/2021 17:31	1/24/2021 17:33	0:01:50	46.63	4.26	485.16	49.28	13.47	486.67	-143.09	0.91
2062	1/24/2021 17:34	1/24/2021 17:35	0:00:39	50.03	17.06	487.17	50.65	20.75	487.65	-143.21	0.79
2063	1/24/2021 17:37	1/24/2021 17:38	0:00:20	51.80	36.24	489.24	51.78	38.21	489.40	-143.27	0.73
2064	1/24/2021 18:19	1/24/2021 18:19	0:00:00	-47.72	175.65	499.63	-47.72	175.65	499.63	-143.95	0.05
2065	1/24/2021 18:21	1/24/2021 18:21	0:00:00	-50.21	-173.89	499.63	-50.21	-173.89	499.63	-143.55	0.45
2066	1/24/2021 18:24	1/24/2021 18:24	0:00:00	-51.72	-159.60	498.97	-51.72	-159.60	498.97	-143.66	0.34
2067	1/24/2021 18:26	1/24/2021 18:26	0:00:00	-51.52	-147.85	497.91	-51.52	-147.85	497.91	-143.73	0.27
2068	1/24/2021 18:27	1/24/2021 18:27	0:00:00	-50.54	-139.29	496.80	-50.54	-139.29	496.80	-143.89	0.11
2069	1/24/2021 18:58	1/24/2021 18:58	0:00:21	28.20	-49.07	478.09	29.11	-48.13	478.35	-143.32	0.68
2070	1/24/2021 19:06	1/24/2021 19:07	0:01:49	46.59	-19.75	485.18	49.25	-10.55	486.69	-143.19	0.81
2071	1/24/2021 19:08	1/24/2021 19:09	0:00:50	50.01	-6.96	487.19	50.77	-2.34	487.78	-143.20	0.80
2072	1/24/2021 19:12	1/24/2021 19:12	0:00:39	51.80	12.21	489.26	51.73	16.15	489.57	-143.35	0.65
2073	1/24/2021 19:54	1/24/2021 19:54	0:00:00	-47.69	151.64	499.73	-47.69	151.64	499.73	-143.99	0.01
2074	1/24/2021 19:55	1/24/2021 19:56	0:00:11	-50.19	162.08	499.75	-50.35	163.00	499.73	-143.96	0.04
2075	1/24/2021 19:58	1/24/2021 19:58	0:00:00	-51.75	177.34	499.06	-51.75	177.34	499.06	-143.68	0.32
2076	1/24/2021 20:00	1/24/2021 20:00	0:00:00	-51.69	-174.81	498.38	-51.69	-174.81	498.38	-143.96	0.04
2077	1/24/2021 20:00	1/24/2021 20:00	0:00:00	-51.45	-170.92	497.97	-51.45	-170.92	497.97	-143.77	0.23
2078	1/24/2021 20:28	1/24/2021 20:28	0:00:00	16.28	-83.61	475.72	16.28	-83.61	475.72	-143.67	0.33
2079	1/24/2021 20:32	1/24/2021 20:32	0:00:11	28.60	-72.58	478.24	29.06	-72.11	478.37	-143.29	0.71
2080	1/24/2021 20:40	1/24/2021 20:42	0:01:50	46.83	-42.98	485.26	49.43	-33.69	486.74	-143.34	0.66
2081	1/24/2021 20:42	1/24/2021 20:43	0:00:50	49.98	-31.00	487.11	50.75	-26.37	487.70	-143.12	0.88
2082	1/24/2021 20:46	1/24/2021 20:46	0:00:39	51.79	-10.85	489.23	51.70	-6.91	489.53	-143.49	0.51
2083	1/24/2021 21:28	1/24/2021 21:28	0:00:00	-47.91	128.45	499.83	-47.91	128.45	499.83	-143.96	0.04
2084	1/24/2021 21:30	1/24/2021 21:30	0:00:00	-50.33	138.97	499.85	-50.33	138.97	499.85	-144.00	0.00
2085	1/24/2021 21:32	1/24/2021 21:32	0:00:00	-51.75	153.31	499.20	-51.75	153.31	499.20	-143.55	0.45
2086	1/24/2021 21:34	1/24/2021 21:34	0:00:00	-51.70	161.15	498.54	-51.70	161.15	498.54	-143.79	0.21
2087	1/24/2021 21:34	1/24/2021 21:34	0:00:00	-51.46	165.05	498.14	-51.46	165.05	498.14	-143.10	0.90
2088	1/24/2021 21:36	1/24/2021 21:36	0:00:00	-50.42	173.58	497.04	-50.42	173.58	497.04	-143.98	0.02
2089	1/24/2021 22:02	1/24/2021 22:02	0:00:00	16.71	-107.20	475.85	16.71	-107.20	475.85	-143.60	0.40
2090	1/24/2021 22:06	1/24/2021 22:07	0:00:11	29.00	-96.09	478.38	29.45	-95.62	478.51	-143.61	0.39
2091	1/24/2021 22:14	1/24/2021 22:16	0:01:49	46.80	-67.00	485.16	49.40	-57.73	486.62	-143.28	0.72
2092	1/24/2021 22:16	1/24/2021 22:18	0:01:01	49.96	-55.03	486.99	50.87	-49.47	487.67	-143.17	0.83
2093	1/24/2021 22:20	1/24/2021 22:21	0:00:39	51.79	-34.89	489.08	51.70	-30.96	489.38	-143.64	0.36
2094	1/24/2021 23:02	1/24/2021 23:02	0:00:20	-47.38	102.79	499.72	-47.89	104.43	499.77	-143.88	0.12
2095	1/24/2021 23:07	1/24/2021 23:07	0:00:00	-51.77	130.26	499.09	-51.77	130.26	499.09	-143.93	0.07
2096	1/24/2021 23:08	1/24/2021 23:08	0:00:00	-51.66	138.10	498.42	-51.66	138.10	498.42	-143.99	0.01
2097	1/24/2021 23:09	1/24/2021 23:09	0:00:00	-51.47	141.02	498.11	-51.47	141.02	498.11	-143.76	0.24
2098	1/24/2021 23:10	1/24/2021 23:10	0:00:00	-50.44	149.55	497.02	-50.44	149.55	497.02	-143.89	0.11
2099	1/24/2021 23:36	1/24/2021 23:36	0:00:00	16.65	-131.16	475.86	16.65	-131.16	475.86	-143.82	0.18
2100	1/24/2021 23:41	1/24/2021 23:41	0:00:00	29.40	-119.59	478.50	29.40	-119.59	478.50	-143.76	0.24

Table 11 Departure GN 6 Mbps (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)
2101	1/24/2021 23:48	1/24/2021 23:50	0:01:50	47.04	-90.21	485.28	49.58	-80.86	486.72	-143.30	0.70
2102	1/24/2021 23:51	1/24/2021 23:52	0:00:50	50.12	-78.15	487.08	50.86	-73.50	487.65	-143.07	0.93
2103	1/24/2021 23:54	1/24/2021 23:55	0:00:39	51.79	-57.94	489.13	51.67	-54.01	489.42	-143.73	0.27
2104	1/25/2021 0:36	1/25/2021 0:36	0:00:00	-47.36	78.78	499.69	-47.36	78.78	499.69	-143.93	0.07
2105	1/25/2021 0:36	1/25/2021 0:36	0:00:00	-48.10	81.25	499.76	-48.10	81.25	499.76	-143.97	0.03
2106	1/25/2021 0:41	1/25/2021 0:41	0:00:00	-51.77	106.23	499.08	-51.77	106.23	499.08	-143.62	0.38
2107	1/25/2021 0:42	1/25/2021 0:42	0:00:00	-51.66	114.07	498.40	-51.66	114.07	498.40	-143.66	0.34
2108	1/25/2021 0:43	1/25/2021 0:43	0:00:00	-51.40	117.95	497.99	-51.40	117.95	497.99	-143.42	0.58
2109	1/25/2021 1:10	1/25/2021 1:10	0:00:00	17.09	-154.74	475.88	17.09	-154.74	475.88	-143.86	0.14
2110	1/25/2021 1:12	1/25/2021 1:12	0:00:00	20.48	-151.94	476.41	20.48	-151.94	476.41	-143.72	0.28
2111	1/25/2021 1:15	1/25/2021 1:15	0:00:00	29.81	-143.09	478.58	29.81	-143.09	478.58	-143.74	0.26
2112	1/25/2021 1:23	1/25/2021 1:24	0:01:49	47.02	-114.22	485.22	49.56	-104.88	486.66	-142.97	1.03
2113	1/25/2021 1:25	1/25/2021 1:26	0:01:01	50.10	-102.17	487.02	50.97	-96.58	487.69	-143.03	0.97
2114	1/25/2021 1:29	1/25/2021 1:29	0:00:30	51.77	-80.98	489.15	51.67	-78.04	489.36	-143.63	0.37
2115	1/25/2021 2:10	1/25/2021 2:11	0:00:20	-47.59	55.58	499.70	-48.08	57.24	499.74	-143.76	0.24
2116	1/25/2021 2:16	1/25/2021 2:16	0:00:00	-51.67	90.05	498.38	-51.67	90.05	498.38	-143.89	0.11
2117	1/25/2021 2:17	1/25/2021 2:17	0:00:00	-51.41	93.93	497.97	-51.41	93.93	497.97	-143.80	0.20
2118	1/25/2021 2:31	1/25/2021 2:31	0:00:00	-23.60	150.71	481.98	-23.60	150.71	481.98	-143.92	0.08
2119	1/25/2021 2:46	1/25/2021 2:46	0:00:00	20.92	-175.49	476.45	20.92	-175.49	476.45	-143.74	0.26
2120	1/25/2021 2:49	1/25/2021 2:49	0:00:00	30.21	-166.57	478.68	30.21	-166.57	478.68	-143.90	0.10
2121	1/25/2021 2:57	1/25/2021 3:00	0:03:11	47.25	-137.42	485.36	50.96	-120.60	487.71	-142.92	1.08
2122	1/25/2021 3:03	1/25/2021 3:03	0:00:30	51.75	-104.02	489.25	51.63	-101.08	489.46	-143.89	0.11
2123	1/25/2021 3:45	1/25/2021 3:45	0:00:00	-48.29	34.06	499.84	-48.29	34.06	499.84	-143.99	0.01
2124	1/25/2021 3:49	1/25/2021 3:49	0:00:00	-51.78	59.15	499.06	-51.78	59.15	499.06	-143.73	0.27
2125	1/25/2021 4:05	1/25/2021 4:05	0:00:09	-23.65	126.74	481.96	-23.18	127.16	481.76	-143.01	0.99
2126	1/25/2021 4:20	1/25/2021 4:20	0:00:00	20.86	160.54	476.34	20.86	160.54	476.34	-143.35	0.65
2127	1/25/2021 4:24	1/25/2021 4:24	0:00:00	30.61	169.94	478.69	30.61	169.94	478.69	-143.93	0.07
2128	1/25/2021 4:31	1/25/2021 4:33	0:01:49	47.23	-161.43	485.26	49.71	-152.01	486.70	-142.81	1.19
2129	1/25/2021 4:33	1/25/2021 4:35	0:01:01	50.23	-149.29	487.07	51.06	-143.67	487.74	-142.94	1.06
2130	1/25/2021 4:38	1/25/2021 4:38	0:00:00	51.63	-125.11	489.40	51.63	-125.11	489.40	-143.81	0.19
2131	1/25/2021 5:19	1/25/2021 5:19	0:00:20	-47.78	8.38	499.97	-48.26	10.05	500.01	-143.94	0.06
2132	1/25/2021 5:23	1/25/2021 5:23	0:00:00	-51.78	35.12	499.22	-51.78	35.12	499.22	-143.95	0.05
2133	1/25/2021 5:25	1/25/2021 5:25	0:00:00	-51.63	42.96	498.51	-51.63	42.96	498.51	-143.99	0.01
2134	1/25/2021 5:39	1/25/2021 5:40	0:00:19	-23.70	102.76	481.98	-22.76	103.62	481.59	-142.32	1.68
2135	1/25/2021 5:54	1/25/2021 5:54	0:00:00	21.29	136.98	476.25	21.29	136.98	476.25	-143.45	0.55
2136	1/25/2021 5:56	1/25/2021 5:56	0:00:00	26.01	141.28	477.26	26.01	141.28	477.26	-143.70	0.30
2137	1/25/2021 5:58	1/25/2021 5:58	0:00:00	30.56	145.96	478.48	30.56	145.96	478.48	-143.84	0.16
2138	1/25/2021 6:05	1/25/2021 6:07	0:01:50	47.46	175.37	485.16	49.87	-175.13	486.59	-142.79	1.21
2139	1/25/2021 6:08	1/25/2021 6:09	0:00:50	50.37	-172.39	486.95	51.05	-167.69	487.51	-142.92	1.08
2140	1/25/2021 6:12	1/25/2021 6:12	0:00:00	51.64	-149.13	489.19	51.64	-149.13	489.19	-143.94	0.06
2141	1/25/2021 6:53	1/25/2021 6:53	0:00:00	-48.24	-13.96	500.05	-48.24	-13.96	500.05	-143.99	0.01
2142	1/25/2021 6:58	1/25/2021 6:58	0:00:00	-51.79	12.07	499.19	-51.79	12.07	499.19	-143.85	0.15
2143	1/25/2021 7:14	1/25/2021 7:14	0:00:19	-23.28	79.22	481.80	-22.33	80.07	481.40	-141.55	2.45
2144	1/25/2021 7:15	1/25/2021 7:15	0:00:00	-18.00	83.73	479.73	-18.00	83.73	479.73	-143.83	0.17
2145	1/25/2021 7:29	1/25/2021 7:29	0:00:00	21.24	113.01	476.21	21.24	113.01	476.21	-143.83	0.17
2146	1/25/2021 7:30	1/25/2021 7:30	0:00:00	26.42	117.76	477.33	26.42	117.76	477.33	-143.76	0.24
2147	1/25/2021 7:32	1/25/2021 7:32	0:00:00	30.95	122.48	478.58	30.95	122.48	478.58	-143.95	0.05
2148	1/25/2021 7:40	1/25/2021 7:41	0:01:49	47.43	151.37	485.14	49.85	160.85	486.58	-142.20	1.80
2149	1/25/2021 7:42	1/25/2021 7:43	0:00:50	50.36	163.59	486.93	51.03	168.28	487.50	-142.96	1.04
2150	1/25/2021 7:46	1/25/2021 7:46	0:00:00	51.58	-172.18	489.26	51.58	-172.18	489.26	-143.96	0.04
2151	1/25/2021 8:27	1/25/2021 8:28	0:00:11	-48.21	-37.98	500.16	-48.45	-37.13	500.18	-143.88	0.12
2152	1/25/2021 8:32	1/25/2021 8:32	0:00:00	-51.79	-11.96	499.30	-51.79	-11.96	499.30	-143.83	0.17
2153	1/25/2021 8:48	1/25/2021 8:48	0:00:20	-23.33	55.25	481.87	-22.38	56.10	481.47	-141.45	2.55
2154	1/25/2021 8:50	1/25/2021 8:50	0:00:09	-18.06	59.76	479.79	-17.57	60.16	479.62	-143.42	0.58
2155	1/25/2021 9:03	1/25/2021 9:03	0:00:00	21.66	89.46	476.28	21.66	89.46	476.28	-143.98	0.02
2156	1/25/2021 9:05	1/25/2021 9:05	0:00:00	26.37	93.79	477.32	26.37	93.79	477.32	-143.53	0.47
2157	1/25/2021 9:06	1/25/2021 9:06	0:00:00	30.90	98.50	478.56	30.90	98.50	478.56	-143.63	0.37
2158	1/25/2021 9:14	1/25/2021 9:16	0:01:50	47.66	128.17	485.29	50.01	137.73	486.72	-142.59	1.41
2159	1/25/2021 9:16	1/25/2021 9:17	0:00:50	50.49	140.49	487.08	51.13	145.21	487.64	-143.08	0.92
2160	1/25/2021 9:20	1/25/2021 9:20	0:00:00	51.69	161.83	489.17	51.69	161.83	489.17	-144.00	0.00

Table 11 Departure GN 6 Mbps (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)
2161	1/25/2021 9:26	1/25/2021 9:26	0:00:00	45.28	-167.19	490.41	45.28	-167.19	490.41	-143.76	0.24
2162	1/25/2021 9:27	1/25/2021 9:27	0:00:00	44.02	-164.25	490.41	44.02	-164.25	490.41	-143.08	0.92
2163	1/25/2021 10:01	1/25/2021 10:02	0:00:10	-48.19	-62.00	500.15	-48.42	-61.15	500.16	-143.84	0.16
2164	1/25/2021 10:06	1/25/2021 10:06	0:00:00	-51.80	-35.01	499.19	-51.80	-35.01	499.19	-143.96	0.04
2165	1/25/2021 10:22	1/25/2021 10:22	0:00:20	-23.38	31.28	481.83	-22.44	32.13	481.43	-141.70	2.30
2166	1/25/2021 10:24	1/25/2021 10:24	0:00:09	-18.11	35.79	479.75	-17.62	36.19	479.57	-143.04	0.96
2167	1/25/2021 10:39	1/25/2021 10:39	0:00:00	26.78	70.26	477.38	26.78	70.26	477.38	-143.66	0.34
2168	1/25/2021 10:41	1/25/2021 10:41	0:00:09	30.85	74.52	478.52	31.30	75.02	478.65	-143.77	0.23
2169	1/25/2021 10:48	1/25/2021 10:50	0:01:49	47.63	104.16	485.25	49.99	113.71	486.69	-142.10	1.90
2170	1/25/2021 10:51	1/25/2021 10:51	0:00:39	50.62	117.40	487.17	51.12	121.18	487.62	-143.00	1.00
2171	1/25/2021 10:54	1/25/2021 10:55	0:00:19	51.65	138.77	489.23	51.53	140.73	489.37	-143.90	0.10
2172	1/25/2021 11:00	1/25/2021 11:00	0:00:09	45.31	168.80	490.43	45.01	169.55	490.44	-143.55	0.45
2173	1/25/2021 11:36	1/25/2021 11:36	0:00:11	-48.39	-85.17	500.11	-48.62	-84.32	500.12	-143.61	0.39
2174	1/25/2021 11:40	1/25/2021 11:40	0:00:00	-51.80	-59.05	499.14	-51.80	-59.05	499.14	-143.88	0.12
2175	1/25/2021 11:56	1/25/2021 11:57	0:00:21	-23.44	7.31	481.78	-22.49	8.16	481.38	-142.31	1.69
2176	1/25/2021 11:58	1/25/2021 11:58	0:00:09	-17.68	12.22	479.52	-17.19	12.61	479.35	-142.38	1.62
2177	1/25/2021 12:13	1/25/2021 12:13	0:00:00	26.73	46.29	477.33	26.73	46.29	477.33	-143.86	0.14
2178	1/25/2021 12:15	1/25/2021 12:15	0:00:00	31.25	51.04	478.60	31.25	51.04	478.60	-143.42	0.58
2179	1/25/2021 12:22	1/25/2021 12:24	0:02:00	47.60	80.14	485.21	50.14	90.60	486.77	-142.66	1.34
2180	1/25/2021 12:25	1/25/2021 12:26	0:00:50	50.61	93.37	487.12	51.22	98.11	487.68	-143.10	0.90
2181	1/25/2021 12:28	1/25/2021 12:29	0:00:30	51.66	114.75	489.20	51.47	117.67	489.40	-143.81	0.19
2182	1/25/2021 12:34	1/25/2021 12:34	0:00:09	45.35	144.80	490.42	45.04	145.54	490.43	-142.82	1.18
2183	1/25/2021 13:10	1/25/2021 13:10	0:00:10	-48.37	-109.19	500.15	-48.60	-108.34	500.16	-143.72	0.28
2184	1/25/2021 13:29	1/25/2021 13:29	0:00:00	-27.21	-20.20	483.45	-27.21	-20.20	483.45	-143.91	0.09
2185	1/25/2021 13:30	1/25/2021 13:31	0:00:20	-23.49	-16.66	481.79	-22.54	-15.81	481.39	-142.14	1.86
2186	1/25/2021 13:32	1/25/2021 13:32	0:00:09	-17.73	-11.75	479.53	-17.24	-11.35	479.35	-142.80	1.20
2187	1/25/2021 13:47	1/25/2021 13:47	0:00:00	27.14	22.77	477.39	27.14	22.77	477.39	-143.85	0.15
2188	1/25/2021 13:49	1/25/2021 13:49	0:00:09	31.20	27.06	478.53	31.64	27.56	478.67	-143.37	0.63
2189	1/25/2021 13:57	1/25/2021 13:58	0:01:49	47.83	56.96	485.27	50.12	66.57	486.69	-142.44	1.56
2190	1/25/2021 13:59	1/25/2021 14:00	0:00:39	50.73	70.28	487.16	51.21	74.08	487.60	-143.00	1.00
2191	1/25/2021 14:03	1/25/2021 14:03	0:00:30	51.66	90.72	489.12	51.48	93.64	489.32	-143.71	0.29
2192	1/25/2021 14:09	1/25/2021 14:09	0:00:00	45.08	121.54	490.36	45.08	121.54	490.36	-142.19	1.81
2193	1/25/2021 14:44	1/25/2021 14:45	0:00:11	-48.57	-132.35	500.13	-48.80	-131.50	500.13	-143.42	0.58
2194	1/25/2021 15:05	1/25/2021 15:05	0:00:30	-23.54	-40.63	481.78	-22.12	-39.36	481.18	-142.96	1.04
2195	1/25/2021 15:07	1/25/2021 15:07	0:00:09	-17.30	-35.32	479.34	-16.81	-34.93	479.17	-143.17	0.83
2196	1/25/2021 15:23	1/25/2021 15:23	0:00:00	31.60	3.59	478.64	31.60	3.59	478.64	-143.28	0.72
2197	1/25/2021 15:31	1/25/2021 15:33	0:01:49	47.80	32.95	485.24	50.11	42.56	486.67	-142.79	1.21
2198	1/25/2021 15:33	1/25/2021 15:34	0:00:50	50.72	46.26	487.14	51.29	51.02	487.68	-143.10	0.90
2199	1/25/2021 15:37	1/25/2021 15:38	0:00:31	51.62	67.67	489.16	51.41	70.59	489.36	-143.53	0.47
2200	1/25/2021 15:43	1/25/2021 15:43	0:00:09	45.11	97.54	490.33	44.80	98.29	490.34	-143.04	0.96
2201	1/25/2021 16:18	1/25/2021 16:19	0:00:11	-48.55	-156.36	500.08	-48.77	-155.51	500.09	-143.65	0.35
2202	1/25/2021 16:23	1/25/2021 16:23	0:00:00	-51.80	-130.14	499.03	-51.80	-130.14	499.03	-143.91	0.09
2203	1/25/2021 16:38	1/25/2021 16:38	0:00:00	-26.85	-67.68	483.19	-26.85	-67.68	483.19	-143.88	0.12
2204	1/25/2021 16:39	1/25/2021 16:39	0:00:00	-22.16	-63.32	481.15	-22.16	-63.32	481.15	-143.55	0.45
2205	1/25/2021 16:41	1/25/2021 16:41	0:00:00	-16.86	-58.89	479.13	-16.86	-58.89	479.13	-143.72	0.28
2206	1/25/2021 16:58	1/25/2021 16:58	0:00:09	31.55	-20.39	478.62	31.99	-19.88	478.75	-142.90	1.10
2207	1/25/2021 17:05	1/25/2021 17:07	0:01:50	48.02	9.78	485.39	50.26	19.46	486.81	-142.68	1.32
2208	1/25/2021 17:08	1/25/2021 17:08	0:00:39	50.84	23.19	487.28	51.28	27.00	487.71	-142.98	1.02
2209	1/25/2021 17:11	1/25/2021 17:11	0:00:11	51.62	43.65	489.21	51.56	44.63	489.28	-143.65	0.35
2210	1/25/2021 17:17	1/25/2021 17:17	0:00:10	45.14	73.55	490.39	44.83	74.29	490.39	-142.87	1.13
2211	1/25/2021 17:53	1/25/2021 17:53	0:00:11	-48.75	-179.52	500.10	-48.97	-178.65	500.11	-143.56	0.44
2212	1/25/2021 18:15	1/25/2021 18:15	0:00:00	-16.90	-82.85	479.19	-16.90	-82.85	479.19	-143.58	0.42
2213	1/25/2021 18:28	1/25/2021 18:28	0:00:00	20.40	-55.17	475.92	20.40	-55.17	475.92	-143.84	0.16
2214	1/25/2021 18:32	1/25/2021 18:32	0:00:11	31.95	-43.86	478.78	32.38	-43.35	478.92	-143.26	0.74
2215	1/25/2021 18:39	1/25/2021 18:41	0:01:49	48.00	-14.23	485.42	50.24	-4.56	486.83	-142.95	1.05
2216	1/25/2021 18:42	1/25/2021 18:43	0:00:50	50.82	-0.83	487.30	51.36	3.94	487.84	-143.11	0.89
2217	1/25/2021 18:45	1/25/2021 18:45	0:00:09	51.63	19.63	489.23	51.57	20.60	489.29	-143.26	0.74
2218	1/25/2021 18:51	1/25/2021 18:51	0:00:00	44.86	50.29	490.40	44.86	50.29	490.40	-143.39	0.61
2219	1/25/2021 19:27	1/25/2021 19:27	0:00:21	-48.73	156.47	500.21	-49.15	158.20	500.22	-143.57	0.43
2220	1/25/2021 20:02	1/25/2021 20:02	0:00:00	20.35	-79.14	476.00	20.35	-79.14	476.00	-143.35	0.65

Table 11 Departure GN 6 Mbps (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)
2221	1/25/2021 20:06	1/25/2021 20:06	0:00:09	31.90	-67.84	478.80	32.33	-67.33	478.94	-143.00	1.00
2222	1/25/2021 20:14	1/25/2021 20:15	0:01:50	48.21	-37.41	485.49	50.38	-27.67	486.88	-142.97	1.03
2223	1/25/2021 20:16	1/25/2021 20:17	0:00:50	50.81	-24.86	487.22	51.35	-20.09	487.75	-142.99	1.01
2224	1/25/2021 20:20	1/25/2021 20:20	0:00:11	51.57	-3.43	489.19	51.51	-2.46	489.26	-143.58	0.42
2225	1/25/2021 21:01	1/25/2021 21:02	0:00:11	-48.92	133.32	500.31	-49.13	134.18	500.32	-143.53	0.47
2226	1/25/2021 21:04	1/25/2021 21:04	0:00:00	-51.36	148.02	500.00	-51.36	148.02	500.00	-143.81	0.19
2227	1/25/2021 21:21	1/25/2021 21:21	0:00:00	-24.67	-137.37	482.64	-24.67	-137.37	482.64	-143.91	0.09
2228	1/25/2021 21:24	1/25/2021 21:24	0:00:00	-16.52	-130.40	479.43	-16.52	-130.40	479.43	-143.54	0.46
2229	1/25/2021 21:36	1/25/2021 21:36	0:00:09	20.29	-103.11	476.06	20.77	-102.70	476.14	-143.49	0.51
2230	1/25/2021 21:40	1/25/2021 21:41	0:00:11	32.28	-91.32	478.93	32.72	-90.80	479.06	-143.36	0.64
2231	1/25/2021 21:48	1/25/2021 21:50	0:01:49	48.18	-61.44	485.38	50.36	-51.70	486.74	-143.09	0.91
2232	1/25/2021 21:50	1/25/2021 21:51	0:00:39	50.92	-47.95	487.19	51.34	-44.13	487.61	-143.08	0.92
2233	1/25/2021 21:54	1/25/2021 21:54	0:00:09	51.58	-27.47	489.03	51.52	-26.49	489.09	-143.59	0.41
2234	1/25/2021 22:36	1/25/2021 22:36	0:00:10	-49.11	110.17	500.26	-49.32	111.05	500.27	-143.43	0.57
2235	1/25/2021 22:58	1/25/2021 22:58	0:00:00	-16.09	-153.98	479.31	-16.09	-153.98	479.31	-143.41	0.59
2236	1/25/2021 23:10	1/25/2021 23:10	0:00:00	20.72	-126.67	476.15	20.72	-126.67	476.15	-143.81	0.19
2237	1/25/2021 23:15	1/25/2021 23:15	0:00:09	32.24	-115.29	478.93	32.67	-114.78	479.06	-143.12	0.88
2238	1/25/2021 23:22	1/25/2021 23:24	0:01:59	48.16	-85.45	485.36	50.50	-74.79	486.83	-143.09	0.91
2239	1/25/2021 23:25	1/25/2021 23:25	0:00:49	50.91	-71.98	487.16	51.42	-67.19	487.68	-142.99	1.01
2240	1/25/2021 23:28	1/25/2021 23:28	0:00:31	51.65	-52.47	488.93	51.45	-49.55	489.13	-143.67	0.33
2241	1/26/2021 0:10	1/26/2021 0:10	0:00:11	-49.09	86.16	500.23	-49.30	87.03	500.24	-143.33	0.67
2242	1/26/2021 0:13	1/26/2021 0:13	0:00:00	-51.43	100.94	499.89	-51.43	100.94	499.89	-143.78	0.22
2243	1/26/2021 0:32	1/26/2021 0:32	0:00:09	-16.14	-177.94	479.30	-15.65	-177.55	479.14	-142.75	1.25
2244	1/26/2021 0:45	1/26/2021 0:45	0:00:00	21.16	-150.23	476.19	21.16	-150.23	476.19	-143.92	0.08
2245	1/26/2021 0:49	1/26/2021 0:49	0:00:11	32.63	-138.76	479.01	33.06	-138.24	479.15	-143.17	0.83
2246	1/26/2021 0:56	1/26/2021 0:58	0:01:49	48.37	-108.61	485.43	50.48	-98.81	486.77	-143.12	0.88
2247	1/26/2021 0:59	1/26/2021 0:59	0:00:39	51.02	-95.05	487.21	51.41	-91.21	487.62	-142.98	1.02
2248	1/26/2021 1:02	1/26/2021 1:02	0:00:30	51.65	-76.49	488.88	51.46	-73.57	489.07	-143.85	0.15
2249	1/26/2021 1:44	1/26/2021 1:44	0:00:10	-49.28	63.02	500.22	-49.47	63.90	500.22	-143.21	0.79
2250	1/26/2021 1:51	1/26/2021 1:51	0:00:00	-50.70	101.17	497.59	-50.70	101.17	497.59	-143.98	0.02
2251	1/26/2021 2:06	1/26/2021 2:07	0:00:21	-15.69	158.49	479.09	-14.71	159.25	478.76	-143.21	0.79
2252	1/26/2021 2:23	1/26/2021 2:23	0:00:21	32.59	-162.73	478.98	33.45	-161.69	479.26	-143.21	0.79
2253	1/26/2021 2:31	1/26/2021 2:32	0:01:59	48.35	-132.61	485.43	50.62	-121.89	486.90	-142.85	1.15
2254	1/26/2021 2:33	1/26/2021 2:34	0:00:50	51.01	-119.06	487.23	51.49	-114.25	487.74	-143.00	1.00
2255	1/26/2021 2:36	1/26/2021 2:37	0:00:20	51.60	-99.53	488.98	51.47	-97.58	489.11	-143.87	0.13
2256	1/26/2021 2:52	1/26/2021 2:52	0:00:00	19.17	-36.26	489.01	19.17	-36.26	489.01	-143.70	0.30
2257	1/26/2021 3:18	1/26/2021 3:19	0:00:11	-49.25	39.01	500.29	-49.45	39.89	500.29	-143.22	0.78
2258	1/26/2021 3:21	1/26/2021 3:21	0:00:00	-51.49	53.86	499.89	-51.49	53.86	499.89	-143.86	0.14
2259	1/26/2021 3:41	1/26/2021 3:41	0:00:00	-14.27	135.67	478.56	-14.27	135.67	478.56	-143.76	0.24
2260	1/26/2021 3:43	1/26/2021 3:43	0:00:00	-9.81	139.02	477.27	-9.81	139.02	477.27	-143.68	0.32
2261	1/26/2021 3:56	1/26/2021 3:57	0:00:11	30.79	171.28	478.34	31.23	171.78	478.47	-143.97	0.03
2262	1/26/2021 3:57	1/26/2021 3:58	0:00:11	32.98	173.81	479.01	33.41	174.34	479.15	-143.06	0.94
2263	1/26/2021 4:05	1/26/2021 4:07	0:01:49	48.55	-155.77	485.48	50.60	-145.90	486.83	-143.00	1.00
2264	1/26/2021 4:07	1/26/2021 4:08	0:00:50	50.99	-143.08	487.16	51.48	-138.27	487.68	-142.90	1.10
2265	1/26/2021 4:11	1/26/2021 4:11	0:00:09	51.54	-122.58	488.99	51.47	-121.60	489.06	-143.98	0.02
2266	1/26/2021 4:17	1/26/2021 4:17	0:00:00	43.12	-89.40	490.04	43.12	-89.40	490.04	-143.89	0.11
2267	1/26/2021 4:18	1/26/2021 4:18	0:00:00	40.64	-84.72	489.97	40.64	-84.72	489.97	-143.89	0.11
2268	1/26/2021 4:53	1/26/2021 4:53	0:00:10	-49.43	15.87	500.46	-49.63	16.76	500.46	-143.11	0.89
2269	1/26/2021 5:17	1/26/2021 5:17	0:00:09	-9.36	115.42	477.10	-8.86	115.78	476.97	-143.46	0.54
2270	1/26/2021 5:31	1/26/2021 5:31	0:00:00	31.18	147.80	478.27	31.18	147.80	478.27	-143.69	0.31
2271	1/26/2021 5:31	1/26/2021 5:32	0:00:21	32.93	149.84	478.80	33.79	150.88	479.07	-143.25	0.75
2272	1/26/2021 5:39	1/26/2021 5:41	0:01:49	48.53	-179.78	485.25	50.59	-169.92	486.60	-142.43	1.57
2273	1/26/2021 5:42	1/26/2021 5:42	0:00:50	51.10	-166.14	487.04	51.54	-161.32	487.55	-143.02	0.98
2274	1/26/2021 6:27	1/26/2021 6:27	0:00:11	-49.41	-8.14	500.50	-49.61	-7.25	500.50	-143.41	0.59
2275	1/26/2021 6:30	1/26/2021 6:30	0:00:00	-51.55	6.79	500.05	-51.55	6.79	500.05	-143.96	0.04
2276	1/26/2021 6:51	1/26/2021 6:51	0:00:00	-8.91	91.82	476.95	-8.91	91.82	476.95	-142.81	1.19
2277	1/26/2021 6:53	1/26/2021 6:53	0:00:00	-4.90	94.70	476.06	-4.90	94.70	476.06	-143.85	0.15
2278	1/26/2021 7:05	1/26/2021 7:05	0:00:11	31.14	123.83	478.22	31.58	124.33	478.36	-143.70	0.30
2279	1/26/2021 7:06	1/26/2021 7:06	0:00:11	33.32	126.38	478.89	33.75	126.91	479.03	-143.04	0.96
2280	1/26/2021 7:13	1/26/2021 7:15	0:01:49	48.73	157.07	485.35	50.71	167.00	486.68	-142.94	1.06

Table 11 Departure GN 6 Mbps (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)
2281	1/26/2021 7:16	1/26/2021 7:16	0:00:50	51.08	169.84	487.01	51.53	174.66	487.53	-143.04	0.96
2282	1/26/2021 8:01	1/26/2021 8:02	0:00:11	-49.56	-31.48	500.98	-49.74	-30.59	500.98	-143.44	0.56
2283	1/26/2021 8:26	1/26/2021 8:26	0:00:09	-9.04	67.71	477.20	-8.54	68.08	477.07	-142.15	1.85
2284	1/26/2021 8:27	1/26/2021 8:27	0:00:00	-4.53	70.95	476.18	-4.53	70.95	476.18	-143.95	0.05
2285	1/26/2021 8:40	1/26/2021 8:40	0:00:11	31.46	100.19	478.51	31.90	100.69	478.65	-143.40	0.60
2286	1/26/2021 8:40	1/26/2021 8:41	0:00:11	33.63	102.76	479.19	34.06	103.29	479.33	-143.10	0.90
2287	1/26/2021 8:48	1/26/2021 8:50	0:01:51	48.67	132.83	485.59	50.67	142.73	486.96	-142.61	1.39
2288	1/26/2021 8:50	1/26/2021 8:51	0:00:50	51.16	146.52	487.40	51.58	151.36	487.92	-143.11	0.89
2289	1/26/2021 9:01	1/26/2021 9:01	0:00:00	41.89	-158.85	490.29	41.89	-158.85	490.29	-143.93	0.07
2290	1/26/2021 9:36	1/26/2021 9:36	0:00:00	-49.72	-54.65	500.96	-49.72	-54.65	500.96	-143.53	0.47
2291	1/26/2021 9:38	1/26/2021 9:38	0:00:00	-51.58	-40.56	500.44	-51.58	-40.56	500.44	-143.91	0.09
2292	1/26/2021 10:00	1/26/2021 10:00	0:00:09	-8.61	44.10	477.04	-8.11	44.46	476.91	-141.98	2.02
2293	1/26/2021 10:14	1/26/2021 10:14	0:00:11	31.84	76.69	478.60	32.28	77.20	478.73	-143.22	0.78
2294	1/26/2021 10:15	1/26/2021 10:15	0:00:21	33.57	78.76	479.14	34.42	79.82	479.42	-143.18	0.82
2295	1/26/2021 10:22	1/26/2021 10:24	0:01:49	48.86	109.64	485.68	50.79	119.61	487.04	-142.99	1.01
2296	1/26/2021 10:24	1/26/2021 10:25	0:00:50	51.15	122.46	487.37	51.57	127.30	487.89	-143.10	0.90
2297	1/26/2021 10:35	1/26/2021 10:35	0:00:00	41.94	177.13	490.32	41.94	177.13	490.32	-143.61	0.39
2298	1/26/2021 10:35	1/26/2021 10:35	0:00:00	40.50	179.74	490.29	40.50	179.74	490.29	-143.89	0.11
2299	1/26/2021 11:28	1/26/2021 11:28	0:00:11	-26.68	5.30	458.33	-26.21	5.75	457.58	-142.40	1.60
2300	1/26/2021 11:34	1/26/2021 11:35	0:00:19	-8.65	20.15	429.35	-7.64	20.89	427.79	-139.62	4.38
2301	1/26/2021 11:36	1/26/2021 11:36	0:00:20	-4.59	23.06	423.18	-3.58	23.78	421.66	-143.06	0.94
2302	1/26/2021 11:41	1/26/2021 11:42	0:01:01	12.71	35.47	399.49	15.73	37.80	395.89	-143.68	0.32
2303	1/26/2021 11:43	1/26/2021 12:07	0:24:19	17.22	38.99	394.17	44.11	148.96	368.14	-141.55	2.45
2304	1/26/2021 12:08	1/26/2021 12:14	0:06:20	43.09	151.15	367.97	27.17	173.12	365.10	-141.17	2.83
2305	1/26/2021 12:16	1/26/2021 12:16	0:00:19	22.86	177.19	364.43	21.88	178.05	364.29	-142.76	1.24
2306	1/26/2021 12:16	1/26/2021 12:17	0:00:39	20.41	179.32	364.09	18.43	-179.02	363.84	-142.28	1.72
2307	1/26/2021 12:18	1/26/2021 12:19	0:01:20	15.43	-176.62	363.52	11.38	-173.52	363.19	-142.39	1.61
2308	1/26/2021 12:20	1/26/2021 12:22	0:01:20	8.82	-171.64	363.05	4.71	-168.68	362.94	-142.09	1.91
2309	1/26/2021 12:22	1/26/2021 12:24	0:01:29	2.14	-166.86	362.95	-2.51	-163.58	363.10	-142.21	1.79
2310	1/26/2021 12:25	1/26/2021 12:25	0:00:00	-5.08	-161.76	363.27	-5.08	-161.76	363.27	-143.97	0.03
2311	1/26/2021 12:26	1/26/2021 12:26	0:00:30	-8.68	-159.17	363.60	-10.21	-158.04	363.78	-142.53	1.47
2312	1/26/2021 12:27	1/26/2021 12:27	0:00:00	-12.25	-156.53	364.04	-12.25	-156.53	364.04	-143.97	0.03
2313	1/26/2021 12:28	1/26/2021 12:46	0:18:01	-14.27	-154.98	364.33	-51.79	-82.95	371.35	-141.10	2.90
2314	1/26/2021 12:47	1/26/2021 12:51	0:04:20	-51.72	-76.89	371.03	-47.71	-52.35	368.43	-141.76	2.24
2315	1/26/2021 12:52	1/26/2021 12:53	0:00:50	-46.34	-48.22	367.74	-44.81	-44.31	366.99	-142.45	1.55
2316	1/26/2021 12:53	1/26/2021 12:53	0:00:11	-43.83	-42.07	366.53	-43.49	-41.34	366.37	-143.71	0.29
2317	1/26/2021 12:59	1/26/2021 12:59	0:00:00	-29.55	-20.99	360.56	-29.55	-20.99	360.56	-143.68	0.32
2318	1/26/2021 13:00	1/26/2021 13:01	0:01:09	-27.69	-19.06	359.89	-24.36	-15.83	358.78	-141.36	2.64
2319	1/26/2021 13:01	1/26/2021 13:03	0:01:11	-22.42	-14.07	358.17	-18.97	-11.12	357.20	-143.32	0.68
2320	1/26/2021 13:06	1/26/2021 13:07	0:00:21	-8.33	-2.93	355.03	-7.30	-2.19	354.89	-138.04	5.96
2321	1/26/2021 13:07	1/26/2021 13:08	0:00:30	-4.72	-0.34	354.61	-3.17	0.76	354.48	-141.59	2.41
2322	1/26/2021 13:11	1/26/2021 13:32	0:20:20	7.16	8.08	354.41	51.79	85.72	368.21	-140.50	3.50
2323	1/26/2021 13:32	1/26/2021 13:37	0:04:40	51.77	89.77	368.40	47.63	116.28	368.55	-141.64	2.36
2324	1/26/2021 13:38	1/26/2021 13:39	0:01:20	46.53	119.60	368.42	44.05	125.80	368.05	-141.40	2.60
2325	1/26/2021 13:40	1/26/2021 13:46	0:06:19	42.68	128.69	367.82	26.61	150.38	364.95	-140.98	3.02
2326	1/26/2021 13:47	1/26/2021 13:49	0:01:29	22.77	153.97	364.35	18.34	157.75	363.77	-142.22	1.78
2327	1/26/2021 13:50	1/26/2021 13:51	0:01:10	14.84	160.55	363.41	11.29	163.25	363.13	-142.36	1.64
2328	1/26/2021 13:52	1/26/2021 13:53	0:01:10	8.22	165.50	362.97	4.62	168.08	362.89	-142.09	1.91
2329	1/26/2021 13:54	1/26/2021 13:55	0:01:20	2.05	169.91	362.89	-2.08	172.82	363.03	-142.23	1.77
2330	1/26/2021 13:57	1/26/2021 13:57	0:00:00	-7.23	176.49	363.41	-7.23	176.49	363.41	-143.95	0.05
2331	1/26/2021 13:58	1/26/2021 13:58	0:00:31	-9.28	177.97	363.62	-10.81	179.10	363.80	-142.55	1.45
2332	1/26/2021 14:00	1/26/2021 14:17	0:17:50	-14.87	-177.82	364.37	-51.79	-106.07	371.29	-141.24	2.76
2333	1/26/2021 14:18	1/26/2021 14:23	0:04:20	-51.71	-100.00	370.97	-47.66	-75.50	368.36	-141.71	2.29
2334	1/26/2021 14:23	1/26/2021 14:24	0:00:50	-46.29	-71.37	367.66	-44.76	-67.47	366.92	-142.47	1.53
2335	1/26/2021 14:25	1/26/2021 14:25	0:00:00	-43.43	-64.50	366.29	-43.43	-64.50	366.29	-143.63	0.37
2336	1/26/2021 14:31	1/26/2021 14:31	0:00:10	-29.47	-44.20	360.47	-29.01	-43.71	360.30	-142.60	1.40
2337	1/26/2021 14:31	1/26/2021 14:33	0:01:20	-27.61	-42.27	359.80	-23.79	-38.60	358.54	-141.82	2.18
2338	1/26/2021 14:33	1/26/2021 14:34	0:01:10	-22.33	-37.29	358.09	-18.88	-34.34	357.11	-142.45	1.55
2339	1/26/2021 14:35	1/26/2021 14:35	0:00:00	-15.87	-31.92	356.37	-15.87	-31.92	356.37	-143.78	0.22
2340	1/26/2021 14:38	1/26/2021 14:38	0:00:20	-8.23	-26.16	354.96	-7.21	-25.42	354.82	-138.51	5.49

Table 11 Departure GN 6 Mbps (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)
2341	1/26/2021 14:39	1/26/2021 14:40	0:00:30	-4.63	-23.57	354.54	-3.08	-22.47	354.41	-141.62	2.38
2342	1/26/2021 14:43	1/26/2021 14:43	0:00:00	7.25	-15.14	354.36	7.25	-15.14	354.36	-143.99	0.01
2343	1/26/2021 14:43	1/26/2021 14:48	0:04:40	8.80	-14.03	354.47	22.87	-2.83	356.81	-141.89	2.11
2344	1/26/2021 14:48	1/26/2021 14:50	0:01:11	24.32	-1.50	357.18	27.66	1.72	358.10	-142.37	1.63
2345	1/26/2021 14:50	1/26/2021 15:21	0:30:51	29.06	3.17	358.52	16.38	136.03	342.71	-140.49	3.51
2346	1/26/2021 15:22	1/26/2021 15:23	0:01:11	14.37	137.61	339.92	10.81	140.30	334.77	-141.49	2.51
2347	1/26/2021 15:24	1/26/2021 15:27	0:03:40	8.25	142.18	330.89	-3.14	150.27	312.26	-141.05	2.95
2348	1/26/2021 15:28	1/26/2021 16:07	0:39:30	-4.70	151.38	309.56	-10.37	-50.67	198.66	-136.10	7.90
2349	1/26/2021 16:08	1/26/2021 16:38	0:30:30	-8.77	-49.49	200.66	47.43	70.79	363.57	-134.56	9.44
2350	1/26/2021 16:39	1/26/2021 16:41	0:01:31	46.32	74.06	364.19	43.49	80.89	364.77	-141.22	2.78
2351	1/26/2021 16:41	1/26/2021 16:41	0:00:21	42.45	83.02	364.72	41.73	84.39	364.63	-140.82	3.18
2352	1/26/2021 16:42	1/26/2021 16:48	0:05:51	40.62	86.39	364.38	25.45	105.36	353.35	-141.23	2.77
2353	1/26/2021 16:49	1/26/2021 16:51	0:02:10	22.57	108.01	350.11	16.14	113.38	341.98	-141.88	2.12
2354	1/26/2021 16:52	1/26/2021 16:53	0:01:10	14.13	114.96	339.20	10.57	117.64	334.06	-141.48	2.52
2355	1/26/2021 16:54	1/26/2021 16:57	0:03:39	8.01	119.52	330.19	-3.39	127.61	311.62	-141.03	2.97
2356	1/26/2021 16:58	1/26/2021 16:58	0:00:11	-4.95	128.72	308.93	-5.47	129.09	308.03	-142.67	1.33
2357	1/26/2021 16:58	1/26/2021 17:34	0:36:09	-7.03	130.21	305.32	-18.56	-79.88	189.79	-136.06	7.94
2358	1/26/2021 17:35	1/26/2021 17:37	0:02:10	-17.00	-78.61	191.19	-10.12	-73.32	198.55	-137.10	6.90
2359	1/26/2021 17:38	1/26/2021 17:41	0:03:19	-8.52	-72.14	200.55	2.19	-64.49	216.48	-135.35	8.65
2360	1/26/2021 17:42	1/26/2021 18:08	0:26:29	3.80	-63.35	219.23	47.56	47.54	362.65	-138.78	5.22
2361	1/26/2021 18:09	1/26/2021 18:10	0:01:29	46.46	50.83	363.31	43.65	57.71	363.98	-141.16	2.84
2362	1/26/2021 18:11	1/26/2021 18:11	0:00:20	42.26	60.54	363.93	41.54	61.90	363.83	-141.19	2.81
2363	1/26/2021 18:12	1/26/2021 18:17	0:05:49	40.42	63.89	363.57	25.20	82.76	352.48	-141.63	2.37
2364	1/26/2021 18:19	1/26/2021 18:19	0:00:50	22.31	85.40	349.24	19.86	87.51	346.29	-141.99	2.01
2365	1/26/2021 18:20	1/26/2021 18:20	0:00:30	17.88	89.15	343.77	16.38	90.36	341.79	-141.89	2.11
2366	1/26/2021 18:21	1/26/2021 18:22	0:01:10	13.86	92.32	338.34	10.30	95.00	333.22	-141.58	2.42
2367	1/26/2021 18:23	1/26/2021 18:28	0:04:11	7.74	96.88	329.36	-5.22	106.08	308.19	-141.05	2.95

Max. Exceedance: 9.44 dB

Table 12 Departure GN 3 Mbps (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	1/6/2021 14:40	1/6/2021 15:28	0:48:09	37.06	132.00	421.99	-41.16	-53.23	433.31	-139.06	4.94
2	1/6/2021 15:28	1/6/2021 15:40	0:11:30	-42.60	-50.52	434.02	-49.75	11.84	439.14	-140.42	3.58
3	1/6/2021 15:40	1/6/2021 17:01	1:20:20	-49.15	14.53	439.00	-41.30	-76.60	432.30	-138.40	5.60
4	1/6/2021 17:01	1/6/2021 18:29	1:27:39	-42.38	-74.57	432.78	-29.23	-116.62	464.78	-138.64	5.36
5	1/6/2021 18:30	1/6/2021 18:30	0:00:40	-31.90	-113.67	467.52	-33.63	-111.60	469.33	-143.95	0.05
6	1/6/2021 18:32	1/6/2021 18:33	0:01:09	-37.37	-106.61	473.26	-40.08	-102.37	476.18	-143.67	0.33
7	1/6/2021 18:34	1/6/2021 18:39	0:04:10	-42.95	-97.08	479.31	-49.68	-77.20	487.22	-142.23	1.77
8	1/6/2021 18:39	1/6/2021 18:46	0:07:01	-50.21	-74.48	487.95	-49.53	-34.43	492.10	-141.47	2.53
9	1/6/2021 18:47	1/6/2021 20:02	1:15:40	-48.92	-31.80	491.95	-29.23	-140.37	464.71	-138.64	5.36
10	1/6/2021 20:06	1/6/2021 20:07	0:00:50	-38.94	-127.98	474.88	-40.83	-124.85	476.91	-143.67	0.33
11	1/6/2021 20:08	1/6/2021 20:52	0:44:10	-41.91	-122.87	478.09	35.11	34.56	488.14	-140.47	3.53
12	1/6/2021 20:52	1/6/2021 20:55	0:02:31	36.75	36.79	488.73	42.42	46.14	490.87	-142.35	1.65
13	1/6/2021 20:56	1/6/2021 21:10	0:14:39	44.10	49.64	491.53	43.85	127.11	493.64	-140.89	3.11
14	1/6/2021 21:11	1/6/2021 21:34	0:22:41	42.51	129.90	493.29	-21.26	-171.87	487.34	-139.92	4.08
15	1/6/2021 21:35	1/6/2021 21:36	0:01:11	-25.50	-168.03	488.13	-28.71	-164.85	488.80	-143.87	0.13
16	1/6/2021 21:41	1/6/2021 21:41	0:00:39	-39.24	-151.45	491.27	-40.74	-148.94	491.63	-143.83	0.17
17	1/6/2021 21:42	1/6/2021 21:43	0:00:50	-42.86	-144.94	492.14	-44.51	-141.39	492.53	-143.59	0.41
18	1/6/2021 21:44	1/6/2021 21:46	0:02:11	-46.02	-137.64	492.87	-49.25	-126.89	493.54	-142.32	1.68
19	1/6/2021 21:47	1/6/2021 21:54	0:06:59	-50.33	-121.49	493.71	-49.37	-81.39	492.34	-141.54	2.46
20	1/6/2021 21:55	1/6/2021 22:26	0:31:19	-48.74	-78.77	492.07	35.04	10.54	488.09	-140.49	3.51
21	1/6/2021 22:27	1/6/2021 22:29	0:02:19	37.49	13.93	488.98	42.71	22.79	490.97	-142.41	1.59
22	1/6/2021 22:30	1/6/2021 22:45	0:14:50	44.04	25.60	491.50	43.58	103.78	493.56	-140.92	3.08
23	1/6/2021 22:45	1/6/2021 23:08	0:22:39	42.56	105.87	493.30	-21.18	164.14	487.33	-139.88	4.12
24	1/6/2021 23:09	1/6/2021 23:11	0:01:11	-25.89	168.41	488.21	-29.09	171.62	488.88	-143.83	0.17
25	1/6/2021 23:15	1/6/2021 23:15	0:00:39	-39.56	-174.86	491.31	-41.04	-172.32	491.67	-143.88	0.12
26	1/6/2021 23:16	1/6/2021 23:17	0:00:31	-42.81	-168.98	492.09	-43.81	-166.88	492.33	-143.50	0.50
27	1/6/2021 23:18	1/6/2021 23:20	0:02:10	-46.26	-160.91	492.88	-49.41	-150.08	493.51	-142.20	1.80
28	1/6/2021 23:21	1/6/2021 23:28	0:06:59	-50.30	-145.56	493.65	-49.41	-105.46	492.26	-141.44	2.56
29	1/6/2021 23:29	1/7/2021 0:00	0:31:20	-48.78	-102.84	492.00	34.98	-13.47	488.07	-140.66	3.34
30	1/7/2021 0:01	1/7/2021 0:19	0:17:40	37.83	-9.50	489.11	43.63	79.75	493.66	-140.84	3.16
31	1/7/2021 0:19	1/7/2021 0:42	0:22:40	42.27	82.51	493.30	-21.58	140.56	487.43	-139.98	4.02
32	1/7/2021 0:44	1/7/2021 0:45	0:01:01	-26.28	144.86	488.31	-29.01	147.62	488.88	-143.80	0.20
33	1/7/2021 0:49	1/7/2021 0:50	0:00:39	-39.49	161.12	491.31	-40.98	163.65	491.66	-143.86	0.14
34	1/7/2021 0:50	1/7/2021 0:51	0:00:41	-42.75	166.99	492.08	-44.09	169.80	492.39	-143.39	0.61
35	1/7/2021 0:53	1/7/2021 0:55	0:02:10	-46.50	175.82	492.93	-49.58	-173.26	493.53	-142.41	1.59
36	1/7/2021 0:55	1/7/2021 1:02	0:07:10	-50.28	-169.64	493.63	-49.24	-128.65	492.17	-141.52	2.48
37	1/7/2021 1:03	1/7/2021 1:34	0:31:10	-48.59	-126.04	491.90	34.91	-37.48	488.08	-140.48	3.52
38	1/7/2021 1:35	1/7/2021 1:53	0:17:41	38.16	-32.93	489.27	43.35	56.41	493.62	-140.80	3.20
39	1/7/2021 1:54	1/7/2021 2:06	0:11:59	42.32	58.47	493.36	10.24	93.03	486.32	-140.01	3.99
40	1/7/2021 2:06	1/7/2021 2:16	0:10:10	8.75	94.12	486.16	-21.50	116.56	487.43	-140.19	3.81
41	1/7/2021 2:18	1/7/2021 2:19	0:01:11	-26.20	120.86	488.31	-29.39	124.09	488.99	-143.81	0.19
42	1/7/2021 2:20	1/7/2021 2:20	0:00:29	-31.61	126.54	489.48	-32.91	128.06	489.78	-143.79	0.21
43	1/7/2021 2:23	1/7/2021 2:24	0:00:30	-39.81	137.71	491.43	-40.92	139.62	491.70	-143.79	0.21
44	1/7/2021 2:25	1/7/2021 2:25	0:00:39	-42.70	142.95	492.12	-44.03	145.75	492.44	-143.25	0.75
45	1/7/2021 2:27	1/7/2021 2:29	0:02:01	-46.73	152.56	493.05	-49.54	162.67	493.61	-142.63	1.37
46	1/7/2021 2:29	1/7/2021 2:37	0:07:10	-50.25	166.29	493.72	-49.27	-152.72	492.31	-141.43	2.57
47	1/7/2021 2:37	1/7/2021 2:51	0:13:41	-48.63	-150.11	492.04	-15.96	-103.27	482.17	-140.58	3.42
48	1/7/2021 2:51	1/7/2021 3:08	0:17:09	-14.49	-102.13	481.93	35.25	-60.95	488.23	-140.64	3.36
49	1/7/2021 3:10	1/7/2021 3:15	0:05:00	38.09	-56.96	489.27	47.91	-35.71	493.17	-142.16	1.84
50	1/7/2021 3:15	1/7/2021 3:28	0:12:20	48.61	-33.18	493.47	43.07	33.06	493.48	-140.73	3.27
51	1/7/2021 3:28	1/7/2021 3:40	0:12:00	42.03	35.10	493.21	9.83	69.41	486.15	-140.05	3.95
52	1/7/2021 3:41	1/7/2021 3:51	0:10:10	8.34	70.50	486.00	-21.90	92.98	487.45	-140.13	3.87
53	1/7/2021 3:52	1/7/2021 3:53	0:00:11	-26.59	97.31	488.36	-27.04	97.76	488.46	-143.93	0.07
54	1/7/2021 3:53	1/7/2021 3:53	0:00:30	-28.41	99.14	488.75	-29.76	100.56	489.05	-143.82	0.18
55	1/7/2021 3:54	1/7/2021 3:55	0:00:30	-31.97	103.03	489.56	-33.27	104.57	489.86	-143.51	0.49
56	1/7/2021 3:58	1/7/2021 3:58	0:00:30	-39.75	113.68	491.45	-40.86	115.58	491.72	-143.77	0.23
57	1/7/2021 3:59	1/7/2021 4:00	0:00:41	-42.98	119.59	492.24	-44.30	122.43	492.56	-143.21	0.79
58	1/7/2021 4:01	1/7/2021 4:03	0:02:01	-46.96	129.29	493.17	-49.70	139.49	493.73	-142.71	1.29
59	1/7/2021 4:04	1/7/2021 4:25	0:21:31	-50.22	142.21	493.82	-15.55	-126.88	482.27	-140.64	3.36
60	1/7/2021 4:26	1/7/2021 4:43	0:16:59	-14.08	-125.74	482.04	35.18	-84.98	488.20	-140.62	3.38

Table 12 Departure GN 3 Mbps (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)
61	1/7/2021 4:44	1/7/2021 4:49	0:05:00	38.02	-80.99	489.22	47.87	-59.78	493.06	-142.05	1.95
62	1/7/2021 4:49	1/7/2021 5:02	0:12:11	48.80	-56.40	493.45	43.13	9.01	493.31	-140.74	3.26
63	1/7/2021 5:02	1/7/2021 5:14	0:11:50	41.74	11.73	492.94	9.91	45.42	486.01	-140.13	3.87
64	1/7/2021 5:15	1/7/2021 5:25	0:10:10	7.92	46.87	485.81	-22.30	69.40	487.42	-140.17	3.83
65	1/7/2021 5:27	1/7/2021 5:27	0:00:00	-26.97	73.76	488.35	-26.97	73.76	488.35	-143.91	0.09
66	1/7/2021 5:27	1/7/2021 5:28	0:00:20	-28.79	75.61	488.74	-29.69	76.56	488.94	-143.87	0.13
67	1/7/2021 5:29	1/7/2021 5:30	0:01:01	-32.34	79.52	489.56	-34.89	82.68	490.17	-143.45	0.55
68	1/7/2021 5:32	1/7/2021 5:32	0:00:20	-40.06	90.28	491.45	-40.80	91.55	491.63	-143.75	0.25
69	1/7/2021 5:33	1/7/2021 5:34	0:00:40	-42.93	95.55	492.16	-44.25	98.38	492.48	-143.05	0.95
70	1/7/2021 5:35	1/7/2021 6:00	0:24:11	-46.91	105.23	493.10	-15.14	-150.49	482.21	-140.83	3.17
71	1/7/2021 6:00	1/7/2021 6:17	0:16:51	-13.67	-149.35	481.99	35.11	-109.00	488.19	-140.61	3.39
72	1/7/2021 6:18	1/7/2021 6:20	0:02:10	37.96	-105.02	489.21	42.77	-96.73	491.02	-141.92	2.08
73	1/7/2021 6:21	1/7/2021 6:23	0:02:00	43.77	-94.63	491.42	47.32	-85.49	492.84	-142.51	1.49
74	1/7/2021 6:24	1/7/2021 6:36	0:12:20	48.76	-80.47	493.44	42.86	-14.38	493.44	-140.68	3.32
75	1/7/2021 6:36	1/7/2021 6:48	0:12:00	41.82	-12.34	493.16	9.53	21.78	486.03	-139.97	4.03
76	1/7/2021 6:49	1/7/2021 6:59	0:10:10	7.53	23.22	485.82	-22.66	45.80	487.45	-140.15	3.85
77	1/7/2021 7:01	1/7/2021 7:01	0:00:11	-26.86	49.73	488.29	-27.32	50.19	488.38	-143.93	0.07
78	1/7/2021 7:02	1/7/2021 7:02	0:00:11	-29.14	52.05	488.78	-29.59	52.53	488.88	-143.91	0.09
79	1/7/2021 7:03	1/7/2021 7:04	0:01:09	-32.67	56.00	489.59	-35.63	59.73	490.30	-143.61	0.39
80	1/7/2021 7:06	1/7/2021 7:07	0:00:30	-39.98	66.21	491.38	-41.09	68.13	491.65	-143.65	0.35
81	1/7/2021 7:07	1/7/2021 7:08	0:00:30	-43.19	72.17	492.17	-44.18	74.30	492.41	-143.27	0.73
82	1/7/2021 7:10	1/7/2021 7:51	0:41:30	-47.12	81.93	493.10	35.43	-132.50	488.53	-140.44	3.56
83	1/7/2021 7:52	1/7/2021 7:54	0:02:11	37.87	-129.08	489.41	42.69	-120.81	491.23	-141.93	2.07
84	1/7/2021 7:55	1/7/2021 7:57	0:02:01	44.02	-118.00	491.75	47.52	-108.78	493.15	-142.36	1.64
85	1/7/2021 7:58	1/7/2021 8:10	0:12:20	48.71	-104.59	493.66	42.92	-38.42	493.45	-140.78	3.22
86	1/7/2021 8:11	1/7/2021 8:23	0:12:01	41.53	-35.72	493.08	9.12	-1.85	486.01	-139.96	4.04
87	1/7/2021 8:23	1/7/2021 8:34	0:10:19	7.62	-0.76	485.87	-23.05	22.22	487.55	-139.88	4.12
88	1/7/2021 8:35	1/7/2021 8:35	0:00:00	-27.24	26.18	488.38	-27.24	26.18	488.38	-143.91	0.09
89	1/7/2021 8:36	1/7/2021 8:36	0:00:00	-29.51	28.51	488.87	-29.51	28.51	488.87	-143.92	0.08
90	1/7/2021 8:37	1/7/2021 8:39	0:01:29	-33.03	32.49	489.68	-36.78	37.39	490.59	-143.56	0.44
91	1/7/2021 8:40	1/7/2021 8:41	0:00:41	-39.53	41.55	491.26	-41.02	44.09	491.63	-143.69	0.31
92	1/7/2021 8:42	1/7/2021 8:42	0:00:40	-43.13	48.12	492.14	-44.44	50.97	492.46	-143.37	0.63
93	1/7/2021 8:44	1/7/2021 8:45	0:01:30	-47.34	58.67	493.12	-49.40	66.32	493.54	-142.97	1.03
94	1/7/2021 8:46	1/7/2021 8:58	0:11:29	-50.29	70.83	493.69	-41.76	131.88	489.49	-141.06	2.94
95	1/7/2021 8:58	1/7/2021 9:08	0:09:40	-40.68	133.83	489.11	-14.85	161.89	482.18	-140.63	3.37
96	1/7/2021 9:08	1/7/2021 9:25	0:16:51	-13.37	163.03	481.97	35.36	-156.52	488.49	-140.20	3.80
97	1/7/2021 9:26	1/7/2021 9:28	0:02:10	37.80	-153.10	489.37	42.63	-144.85	491.21	-141.77	2.23
98	1/7/2021 9:29	1/7/2021 9:31	0:01:51	44.29	-141.33	491.86	47.47	-132.85	493.16	-142.31	1.69
99	1/7/2021 9:32	1/7/2021 9:45	0:12:30	48.67	-128.66	493.66	42.64	-61.78	493.46	-140.77	3.23
100	1/7/2021 9:45	1/7/2021 9:57	0:12:00	41.59	-59.76	493.18	9.21	-25.84	486.15	-140.13	3.87
101	1/7/2021 9:58	1/7/2021 10:08	0:10:20	7.21	-24.39	485.96	-23.44	-1.35	487.73	-139.82	4.18
102	1/7/2021 10:10	1/7/2021 10:10	0:00:00	-27.62	2.63	488.56	-27.62	2.63	488.56	-143.92	0.08
103	1/7/2021 10:12	1/7/2021 10:14	0:02:00	-33.38	9.00	489.86	-38.31	15.69	491.04	-143.51	0.49
104	1/7/2021 10:14	1/7/2021 10:15	0:00:50	-39.46	17.52	491.33	-41.32	20.70	491.78	-143.72	0.28
105	1/7/2021 10:16	1/7/2021 10:16	0:00:30	-43.40	24.77	492.28	-44.38	26.91	492.51	-143.42	0.58
106	1/7/2021 10:18	1/7/2021 10:20	0:01:40	-47.02	33.79	493.11	-49.36	42.23	493.58	-142.95	1.05
107	1/7/2021 10:21	1/7/2021 10:28	0:07:29	-50.26	46.74	493.73	-48.83	89.47	492.17	-141.21	2.79
108	1/7/2021 10:29	1/7/2021 10:42	0:13:49	-48.14	92.03	491.89	-14.45	138.28	482.03	-140.70	3.30
109	1/7/2021 10:43	1/7/2021 10:59	0:16:21	-12.97	139.41	481.82	34.45	178.38	488.08	-140.32	3.68
110	1/7/2021 11:00	1/7/2021 11:03	0:02:01	37.73	-177.13	489.27	42.22	-169.58	490.98	-141.90	2.10
111	1/7/2021 11:04	1/7/2021 11:05	0:01:20	45.17	-163.18	492.16	47.43	-156.92	493.09	-142.32	1.68
112	1/7/2021 11:06	1/7/2021 11:19	0:12:29	48.85	-151.88	493.70	42.36	-85.14	493.42	-140.84	3.16
113	1/7/2021 11:19	1/7/2021 11:31	0:12:01	41.29	-83.15	493.14	8.80	-49.47	486.21	-140.05	3.95
114	1/7/2021 11:32	1/7/2021 11:42	0:10:21	6.80	-48.02	486.03	-23.83	-24.93	487.97	-139.99	4.01
115	1/7/2021 11:46	1/7/2021 11:48	0:01:31	-34.99	-12.89	490.41	-38.63	-7.74	491.29	-143.51	0.49
116	1/7/2021 11:48	1/7/2021 11:49	0:00:41	-39.77	-5.90	491.57	-41.25	-3.35	491.93	-143.80	0.20
117	1/7/2021 11:50	1/7/2021 11:51	0:00:31	-43.68	1.42	492.51	-44.64	3.58	492.74	-143.46	0.54
118	1/7/2021 11:52	1/7/2021 11:54	0:02:19	-46.14	7.36	493.08	-49.52	19.03	493.77	-142.96	1.04
119	1/7/2021 11:55	1/7/2021 12:06	0:11:29	-50.39	23.57	493.90	-41.53	84.44	489.44	-141.08	2.92
120	1/7/2021 12:07	1/7/2021 12:17	0:09:50	-40.44	86.39	489.04	-14.04	114.66	481.90	-140.83	3.17

Table 12 Departure GN 3 Mbps (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)
121	1/7/2021 12:17	1/7/2021 12:33	0:16:10	-12.56	115.79	481.69	34.37	154.35	487.86	-140.45	3.55
122	1/7/2021 12:35	1/7/2021 12:37	0:02:00	37.66	158.84	489.04	42.16	166.38	490.75	-142.10	1.90
123	1/7/2021 12:38	1/7/2021 12:40	0:01:21	45.42	173.52	492.06	47.64	179.83	492.98	-142.28	1.72
124	1/7/2021 12:41	1/7/2021 12:53	0:12:29	48.81	-175.96	493.49	42.42	-109.19	493.34	-140.84	3.16
125	1/7/2021 12:54	1/7/2021 13:06	0:12:00	40.99	-106.54	492.97	8.38	-73.09	486.20	-139.79	4.21
126	1/7/2021 13:06	1/7/2021 13:17	0:10:30	6.39	-71.65	486.03	-24.68	-48.06	488.18	-140.14	3.86
127	1/7/2021 13:21	1/7/2021 13:22	0:01:20	-35.34	-36.37	490.54	-38.56	-31.77	491.32	-143.55	0.45
128	1/7/2021 13:23	1/7/2021 13:23	0:00:30	-40.09	-29.31	491.70	-41.19	-27.39	491.96	-143.87	0.13
129	1/7/2021 13:25	1/7/2021 13:25	0:00:19	-43.95	-21.92	492.62	-44.59	-20.47	492.77	-143.39	0.61
130	1/7/2021 13:26	1/7/2021 13:28	0:02:21	-46.09	-16.71	493.11	-49.49	-5.05	493.80	-142.98	1.02
131	1/7/2021 13:29	1/7/2021 13:41	0:11:39	-50.37	-0.52	493.94	-41.24	61.06	489.33	-141.24	2.76
132	1/7/2021 13:41	1/7/2021 13:51	0:09:39	-40.13	62.98	488.93	-14.13	90.67	481.86	-140.82	3.18
133	1/7/2021 13:51	1/7/2021 14:08	0:16:21	-12.65	91.80	481.64	34.72	130.87	487.92	-140.58	3.42
134	1/7/2021 14:09	1/7/2021 14:12	0:02:31	37.98	135.40	489.11	43.46	145.09	491.22	-142.25	1.75
135	1/7/2021 14:12	1/7/2021 14:14	0:01:20	45.37	149.46	491.99	47.59	155.76	492.91	-142.26	1.74
136	1/7/2021 14:15	1/7/2021 14:27	0:12:40	48.78	159.97	493.42	42.13	-132.56	493.26	-140.88	3.12
137	1/7/2021 14:28	1/7/2021 14:40	0:12:01	41.05	-130.57	492.98	8.47	-97.08	486.27	-139.94	4.06
138	1/7/2021 14:41	1/7/2021 14:51	0:10:29	5.97	-95.29	486.07	-25.07	-71.63	488.37	-140.03	3.97
139	1/7/2021 14:55	1/7/2021 14:56	0:00:39	-35.68	-59.84	490.74	-37.30	-57.57	491.13	-143.47	0.53
140	1/7/2021 14:56	1/7/2021 14:57	0:00:10	-38.49	-55.80	491.42	-38.88	-55.20	491.51	-143.95	0.05
141	1/7/2021 14:57	1/7/2021 14:57	0:00:09	-40.76	-52.08	491.97	-41.13	-51.43	492.06	-143.93	0.07
142	1/7/2021 14:59	1/7/2021 14:59	0:00:20	-44.21	-45.25	492.79	-44.84	-43.79	492.93	-143.46	0.54
143	1/7/2021 15:00	1/7/2021 15:02	0:02:19	-46.33	-39.99	493.26	-49.65	-28.24	493.92	-142.99	1.01
144	1/7/2021 15:03	1/7/2021 15:11	0:07:31	-50.49	-23.69	494.04	-48.50	18.95	492.21	-141.08	2.92
145	1/7/2021 15:11	1/7/2021 15:13	0:01:40	-47.79	21.47	491.91	-44.99	29.33	490.80	-141.67	2.33
146	1/7/2021 15:14	1/7/2021 15:25	0:11:39	-44.05	31.52	490.43	-13.73	67.05	481.80	-140.68	3.32
147	1/7/2021 15:26	1/7/2021 15:42	0:16:19	-12.24	68.17	481.59	35.06	107.39	488.07	-140.43	3.57
148	1/7/2021 15:43	1/7/2021 15:46	0:02:39	37.91	111.37	489.12	43.74	121.74	491.38	-142.37	1.63
149	1/7/2021 15:47	1/7/2021 15:48	0:01:00	45.31	125.40	492.03	47.02	130.06	492.74	-142.23	1.77
150	1/7/2021 15:48	1/7/2021 15:48	0:00:00	47.80	132.51	493.08	47.80	132.51	493.08	-143.82	0.18
151	1/7/2021 15:49	1/7/2021 16:01	0:12:40	48.73	135.89	493.49	42.19	-156.61	493.41	-140.89	3.11
152	1/7/2021 16:02	1/7/2021 16:14	0:12:00	40.75	-153.97	493.04	8.06	-120.71	486.34	-140.17	3.83
153	1/7/2021 16:15	1/7/2021 16:26	0:10:30	5.56	-118.92	486.14	-25.45	-95.20	488.50	-140.08	3.92
154	1/7/2021 16:29	1/7/2021 16:30	0:00:39	-35.60	-83.87	490.75	-37.23	-81.61	491.14	-143.50	0.50
155	1/7/2021 16:31	1/7/2021 16:31	0:00:00	-38.80	-79.24	491.52	-38.80	-79.24	491.52	-143.99	0.01
156	1/7/2021 16:32	1/7/2021 16:32	0:00:11	-41.06	-75.48	492.06	-41.42	-74.82	492.15	-143.98	0.02
157	1/7/2021 16:33	1/7/2021 16:34	0:00:30	-44.15	-69.32	492.78	-45.09	-67.12	493.00	-143.37	0.63
158	1/7/2021 16:34	1/7/2021 16:37	0:02:21	-46.27	-64.06	493.26	-49.61	-52.34	493.90	-142.96	1.04
159	1/7/2021 16:38	1/7/2021 16:45	0:07:40	-50.46	-47.79	494.02	-48.31	-4.29	492.07	-141.19	2.81
160	1/7/2021 16:46	1/7/2021 16:47	0:01:31	-47.58	-1.79	491.76	-45.05	5.26	490.75	-141.62	2.38
161	1/7/2021 16:48	1/7/2021 16:49	0:01:29	-44.11	7.46	490.38	-41.00	13.62	489.21	-142.53	1.47
162	1/7/2021 16:50	1/7/2021 17:00	0:09:51	-39.89	15.53	488.80	-13.32	43.43	481.66	-140.76	3.24
163	1/7/2021 17:00	1/7/2021 17:15	0:14:50	-11.84	44.55	481.46	31.56	79.19	486.81	-140.22	3.78
164	1/7/2021 17:15	1/7/2021 17:16	0:00:59	32.87	80.71	487.25	35.41	83.91	488.16	-143.30	0.70
165	1/7/2021 17:17	1/7/2021 17:20	0:02:51	38.23	87.92	489.20	44.32	99.12	491.59	-142.47	1.53
166	1/7/2021 17:21	1/7/2021 17:22	0:00:59	45.26	101.33	491.98	46.98	105.99	492.70	-142.15	1.85
167	1/7/2021 17:22	1/7/2021 17:23	0:00:11	47.75	108.43	493.04	48.00	109.26	493.14	-143.82	0.18
168	1/7/2021 17:23	1/7/2021 17:36	0:12:50	48.69	111.80	493.45	41.90	-179.98	493.39	-140.83	3.17
169	1/7/2021 17:36	1/7/2021 17:48	0:12:10	40.82	-178.02	493.11	7.66	-144.35	486.38	-140.11	3.89
170	1/7/2021 17:49	1/7/2021 18:00	0:10:31	5.16	-142.56	486.18	-25.82	-118.77	488.59	-140.17	3.83
171	1/7/2021 18:04	1/7/2021 18:04	0:00:39	-35.94	-107.34	490.81	-37.55	-105.06	491.20	-143.61	0.39
172	1/7/2021 18:05	1/7/2021 18:05	0:00:00	-39.12	-102.67	491.57	-39.12	-102.67	491.57	-143.96	0.04
173	1/7/2021 18:06	1/7/2021 18:06	0:00:20	-40.99	-99.53	492.01	-41.71	-98.21	492.18	-143.95	0.05
174	1/7/2021 18:07	1/7/2021 18:07	0:00:09	-42.76	-96.19	492.42	-43.10	-95.50	492.50	-143.98	0.02
175	1/7/2021 18:08	1/7/2021 18:11	0:03:29	-44.41	-92.65	492.80	-49.76	-75.53	493.86	-142.96	1.04
176	1/7/2021 18:12	1/7/2021 18:19	0:07:31	-50.58	-70.96	493.96	-48.36	-28.37	491.98	-141.01	2.99
177	1/7/2021 18:20	1/7/2021 18:22	0:01:31	-47.37	-25.05	491.57	-44.80	-18.06	490.54	-141.67	2.33
178	1/7/2021 18:22	1/7/2021 18:24	0:01:30	-43.84	-15.88	490.17	-40.71	-9.78	488.99	-142.60	1.40
179	1/7/2021 18:24	1/7/2021 18:34	0:09:50	-39.58	-7.89	488.58	-12.92	19.81	481.51	-140.85	3.15
180	1/7/2021 18:34	1/7/2021 18:49	0:14:51	-11.43	20.93	481.31	31.92	55.67	486.88	-140.36	3.64

Table 12 Departure GN 3 Mbps (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)
181	1/7/2021 18:50	1/7/2021 18:51	0:01:11	33.22	57.21	487.33	36.16	61.00	488.38	-143.21	0.79
182	1/7/2021 18:52	1/7/2021 18:56	0:04:30	38.16	63.89	489.13	47.20	82.73	492.76	-142.20	1.80
183	1/7/2021 18:57	1/7/2021 19:10	0:13:29	47.96	85.19	493.09	41.61	156.63	493.33	-140.78	3.22
184	1/7/2021 19:11	1/7/2021 19:23	0:12:09	40.52	158.58	493.05	7.25	-167.98	486.39	-139.98	4.02
185	1/7/2021 19:24	1/7/2021 19:34	0:10:40	4.74	-166.19	486.21	-26.66	-141.88	488.81	-140.05	3.95
186	1/7/2021 19:38	1/7/2021 19:38	0:00:30	-36.27	-130.81	490.94	-37.48	-129.09	491.23	-143.66	0.34
187	1/7/2021 19:39	1/7/2021 19:39	0:00:00	-39.43	-126.10	491.69	-39.43	-126.10	491.69	-143.88	0.12
188	1/7/2021 19:40	1/7/2021 19:41	0:01:10	-40.93	-123.57	492.04	-43.38	-118.85	492.60	-143.81	0.19
189	1/7/2021 19:42	1/7/2021 19:45	0:03:30	-44.67	-115.98	492.89	-49.91	-98.72	493.91	-143.08	0.92
190	1/7/2021 19:46	1/7/2021 19:54	0:07:40	-50.56	-95.05	493.98	-48.16	-51.61	491.89	-141.15	2.85
191	1/7/2021 19:54	1/7/2021 19:56	0:01:20	-47.16	-48.31	491.47	-44.86	-42.12	490.55	-141.45	2.55
192	1/7/2021 19:56	1/7/2021 19:58	0:01:31	-43.57	-39.22	490.05	-40.40	-33.18	488.86	-142.70	1.30
193	1/7/2021 19:58	1/7/2021 20:08	0:09:40	-39.27	-31.31	488.44	-13.01	-4.18	481.47	-140.85	3.15
194	1/7/2021 20:09	1/7/2021 20:23	0:14:50	-11.03	-2.70	481.22	32.28	32.16	486.95	-140.51	3.49
195	1/7/2021 20:24	1/7/2021 20:25	0:01:09	34.00	34.24	487.55	36.90	38.11	488.61	-143.03	0.97
196	1/7/2021 20:26	1/7/2021 20:44	0:18:20	38.49	40.45	489.21	41.67	132.59	493.33	-140.71	3.29
197	1/7/2021 20:45	1/7/2021 20:57	0:12:20	40.59	134.54	493.05	6.84	168.39	486.35	-140.00	4.00
198	1/7/2021 20:58	1/7/2021 21:09	0:10:41	4.33	170.17	486.18	-27.04	-165.43	488.88	-139.84	4.16
199	1/7/2021 21:12	1/7/2021 21:13	0:00:39	-36.20	-154.84	490.91	-37.81	-152.54	491.29	-143.72	0.28
200	1/7/2021 21:14	1/7/2021 21:14	0:00:09	-39.37	-150.13	491.65	-39.75	-149.51	491.74	-143.84	0.16
201	1/7/2021 21:14	1/7/2021 21:16	0:01:20	-40.86	-147.61	492.00	-43.65	-142.20	492.65	-143.61	0.39
202	1/7/2021 21:16	1/7/2021 21:19	0:03:29	-44.62	-140.04	492.86	-49.88	-122.81	493.88	-143.07	0.93
203	1/7/2021 21:20	1/7/2021 21:28	0:07:31	-50.67	-118.21	493.97	-48.21	-75.68	491.88	-141.05	2.95
204	1/7/2021 21:28	1/7/2021 21:30	0:01:31	-47.21	-72.38	491.46	-44.60	-65.44	490.41	-141.61	2.39
205	1/7/2021 21:31	1/7/2021 21:42	0:11:41	-43.30	-62.57	489.90	-12.60	-27.80	481.36	-140.71	3.29
206	1/7/2021 21:43	1/7/2021 21:58	0:14:50	-11.11	-26.69	481.17	32.20	8.15	486.90	-140.65	3.35
207	1/7/2021 21:59	1/7/2021 22:19	0:20:10	34.35	10.76	487.65	41.38	109.21	493.24	-140.66	3.34
208	1/7/2021 22:19	1/7/2021 22:32	0:12:20	40.28	111.14	492.96	6.42	144.76	486.33	-140.16	3.84
209	1/7/2021 22:32	1/7/2021 22:43	0:10:40	3.92	146.54	486.17	-27.42	171.02	488.94	-140.13	3.87
210	1/7/2021 22:46	1/7/2021 22:47	0:00:41	-36.54	-178.30	490.96	-38.14	-175.98	491.33	-143.80	0.20
211	1/7/2021 22:48	1/7/2021 22:50	0:02:10	-39.30	-174.16	491.60	-43.92	-165.54	492.66	-143.43	0.57
212	1/7/2021 22:50	1/7/2021 22:54	0:03:30	-44.87	-163.36	492.87	-50.03	-145.99	493.83	-143.03	0.97
213	1/7/2021 22:55	1/7/2021 23:02	0:07:31	-50.79	-141.36	493.91	-48.01	-98.91	491.70	-140.72	3.28
214	1/7/2021 23:03	1/7/2021 23:04	0:01:30	-46.99	-95.64	491.28	-44.34	-88.76	490.21	-141.62	2.38
215	1/7/2021 23:05	1/7/2021 23:06	0:01:31	-43.36	-86.62	489.83	-40.16	-80.62	488.63	-142.70	1.30
216	1/7/2021 23:07	1/7/2021 23:17	0:09:49	-39.02	-78.76	488.22	-12.19	-51.42	481.23	-140.73	3.27
217	1/7/2021 23:17	1/7/2021 23:32	0:14:50	-10.70	-50.31	481.04	32.56	-15.35	487.01	-140.79	3.21
218	1/7/2021 23:33	1/7/2021 23:53	0:19:50	35.53	-11.63	488.08	41.08	85.83	493.24	-140.60	3.40
219	1/7/2021 23:54	1/8/2021 0:06	0:12:20	39.97	87.74	492.96	6.01	121.13	486.37	-140.14	3.86
220	1/8/2021 0:06	1/8/2021 0:17	0:10:51	4.00	122.55	486.25	-27.80	147.47	489.05	-140.35	3.65
221	1/8/2021 0:21	1/8/2021 0:22	0:00:41	-36.87	158.25	491.05	-38.46	160.59	491.42	-143.86	0.14
222	1/8/2021 0:22	1/8/2021 0:28	0:05:59	-39.61	162.42	491.69	-50.00	-170.07	493.82	-142.99	1.01
223	1/8/2021 0:29	1/8/2021 0:36	0:07:31	-50.76	-165.45	493.90	-48.05	-122.98	491.70	-140.51	3.49
224	1/8/2021 0:37	1/8/2021 0:39	0:01:29	-46.76	-118.90	491.16	-44.07	-112.09	490.09	-141.62	2.38
225	1/8/2021 0:39	1/8/2021 0:41	0:01:31	-43.08	-109.97	489.70	-39.85	-104.03	488.50	-142.64	1.36
226	1/8/2021 0:41	1/8/2021 0:51	0:09:50	-38.70	-102.19	488.08	-11.78	-75.04	481.18	-140.92	3.08
227	1/8/2021 0:51	1/8/2021 1:06	0:14:50	-10.29	-73.93	481.00	32.92	-38.85	487.17	-140.63	3.37
228	1/8/2021 1:07	1/8/2021 1:27	0:19:40	35.87	-35.09	488.24	41.14	61.78	493.30	-140.55	3.45
229	1/8/2021 1:28	1/8/2021 1:40	0:12:29	40.03	63.70	493.01	5.59	97.50	486.34	-140.03	3.97
230	1/8/2021 1:41	1/8/2021 1:52	0:11:00	3.59	98.92	486.22	-28.63	124.40	489.24	-140.50	3.50
231	1/8/2021 1:55	1/8/2021 2:02	0:07:11	-36.80	134.22	491.07	-49.96	165.85	493.90	-142.96	1.04
232	1/8/2021 2:03	1/8/2021 2:11	0:07:31	-50.87	171.40	493.99	-47.85	-146.23	491.74	-140.52	3.48
233	1/8/2021 2:11	1/8/2021 2:13	0:01:29	-46.81	-142.97	491.31	-44.12	-136.14	490.24	-141.68	2.32
234	1/8/2021 2:13	1/8/2021 2:15	0:01:40	-43.13	-134.02	489.86	-39.54	-127.45	488.52	-142.67	1.33
235	1/8/2021 2:15	1/8/2021 2:25	0:09:40	-38.38	-125.62	488.10	-11.87	-99.03	481.32	-140.91	3.09
236	1/8/2021 2:26	1/8/2021 2:41	0:14:59	-9.88	-97.56	481.09	33.70	-61.83	487.48	-140.47	3.53
237	1/8/2021 2:42	1/8/2021 3:02	0:19:41	36.21	-58.56	488.39	40.84	38.39	493.15	-140.50	3.50
238	1/8/2021 3:02	1/8/2021 3:14	0:12:29	39.72	40.29	492.86	5.18	73.86	486.20	-139.97	4.03
239	1/8/2021 3:15	1/8/2021 3:26	0:11:00	3.18	75.28	486.09	-29.00	100.86	489.30	-140.77	3.23
240	1/8/2021 3:29	1/8/2021 3:36	0:07:19	-36.73	110.19	491.08	-50.10	142.66	494.03	-143.01	0.99

Table 12 Departure GN 3 Mbps (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)
241	1/8/2021 3:37	1/8/2021 3:45	0:07:31	-50.84	147.30	494.11	-47.89	-170.30	491.94	-140.07	3.93
242	1/8/2021 3:46	1/8/2021 3:47	0:01:29	-46.58	-166.25	491.40	-43.86	-159.49	490.33	-141.70	2.30
243	1/8/2021 3:48	1/8/2021 3:49	0:01:31	-42.86	-157.38	489.94	-39.60	-151.49	488.74	-142.46	1.54
244	1/8/2021 3:50	1/8/2021 3:59	0:09:50	-38.45	-149.66	488.32	-11.46	-122.66	481.43	-140.71	3.29
245	1/8/2021 4:00	1/8/2021 4:15	0:15:10	-9.47	-121.19	481.20	34.47	-84.80	487.75	-140.47	3.53
246	1/8/2021 4:16	1/8/2021 4:20	0:04:09	36.54	-82.03	488.49	45.49	-65.58	491.98	-142.40	1.60
247	1/8/2021 4:21	1/8/2021 4:49	0:28:00	46.36	-63.27	492.34	4.77	50.22	486.02	-140.09	3.91
248	1/8/2021 4:49	1/8/2021 5:01	0:11:30	2.76	51.64	485.92	-30.71	78.77	489.59	-140.90	3.10
249	1/8/2021 5:03	1/8/2021 5:11	0:07:20	-36.66	86.16	490.98	-50.08	118.58	493.97	-143.00	1.00
250	1/8/2021 5:12	1/8/2021 5:19	0:07:31	-50.95	124.15	494.07	-47.69	166.45	491.83	-140.52	3.48
251	1/8/2021 5:20	1/8/2021 5:23	0:03:39	-46.63	169.68	491.40	-39.29	-174.90	488.62	-141.68	2.32
252	1/8/2021 5:24	1/8/2021 5:34	0:09:51	-38.13	-173.09	488.20	-11.05	-146.28	481.40	-140.67	3.33
253	1/8/2021 5:34	1/8/2021 5:50	0:15:20	-9.56	-145.18	481.23	34.82	-108.28	487.89	-140.39	3.61
254	1/8/2021 5:51	1/8/2021 5:54	0:03:50	36.87	-105.49	488.64	45.13	-90.40	491.84	-142.47	1.53
255	1/8/2021 5:55	1/8/2021 6:10	0:14:50	46.59	-86.55	492.45	40.61	-9.06	492.90	-140.53	3.47
256	1/8/2021 6:11	1/8/2021 6:23	0:12:40	39.48	-7.17	492.60	4.36	26.59	485.96	-140.18	3.82
257	1/8/2021 6:24	1/8/2021 6:36	0:11:50	2.85	27.65	485.89	-31.51	55.75	489.72	-141.08	2.92
258	1/8/2021 6:37	1/8/2021 6:45	0:07:31	-36.18	61.57	490.81	-50.05	94.49	493.91	-142.90	1.10
259	1/8/2021 6:46	1/8/2021 6:53	0:07:31	-50.93	100.06	494.01	-47.73	142.38	491.78	-140.60	3.40
260	1/8/2021 6:54	1/8/2021 6:58	0:03:39	-46.40	146.41	491.24	-38.97	161.68	488.44	-141.63	2.37
261	1/8/2021 6:58	1/8/2021 7:08	0:09:50	-37.80	163.47	488.03	-10.64	-169.90	481.30	-141.00	3.00
262	1/8/2021 7:09	1/8/2021 7:24	0:15:19	-9.15	-168.81	481.14	35.16	-131.75	487.98	-140.38	3.62
263	1/8/2021 7:25	1/8/2021 7:29	0:03:40	37.21	-128.94	488.72	45.08	-114.45	491.79	-142.50	1.50
264	1/8/2021 7:30	1/8/2021 7:44	0:14:50	46.82	-109.82	492.51	40.30	-32.46	492.81	-140.61	3.39
265	1/8/2021 7:45	1/8/2021 7:57	0:12:31	39.17	-30.59	492.52	4.44	2.60	486.00	-140.13	3.87
266	1/8/2021 7:58	1/8/2021 8:10	0:11:51	2.44	4.02	485.91	-31.87	32.23	489.81	-140.77	3.23
267	1/8/2021 8:11	1/8/2021 8:19	0:08:01	-35.29	36.44	490.60	-50.19	71.32	493.89	-142.82	1.18
268	1/8/2021 8:20	1/8/2021 8:28	0:07:39	-50.91	75.97	493.97	-47.52	119.14	491.62	-140.71	3.29
269	1/8/2021 8:28	1/8/2021 8:32	0:03:39	-46.45	122.35	491.18	-39.04	137.65	488.37	-141.61	2.39
270	1/8/2021 8:32	1/8/2021 8:42	0:09:51	-37.87	139.45	487.95	-10.73	166.11	481.22	-140.87	3.13
271	1/8/2021 8:43	1/8/2021 8:57	0:13:51	-8.73	167.57	481.01	31.67	-159.96	486.73	-140.36	3.64
272	1/8/2021 8:57	1/8/2021 8:58	0:00:59	32.97	-158.43	487.18	35.51	-155.22	488.08	-142.43	1.57
273	1/8/2021 8:59	1/8/2021 9:03	0:03:50	37.14	-152.96	488.68	45.34	-137.75	491.90	-142.56	1.44
274	1/8/2021 9:04	1/8/2021 9:19	0:14:50	46.77	-133.88	492.50	40.36	-56.49	492.91	-140.70	3.30
275	1/8/2021 9:19	1/8/2021 9:32	0:12:40	39.23	-54.62	492.62	4.03	-21.03	486.10	-140.07	3.93
276	1/8/2021 9:32	1/8/2021 9:39	0:07:01	2.02	-19.61	486.02	-18.83	-4.23	487.36	-140.43	3.57
277	1/8/2021 9:40	1/8/2021 9:44	0:04:10	-20.76	-2.61	487.67	-32.23	8.73	489.98	-141.68	2.32
278	1/8/2021 9:45	1/8/2021 9:53	0:08:00	-35.21	12.42	490.67	-50.16	47.23	493.93	-142.74	1.26
279	1/8/2021 9:54	1/8/2021 10:02	0:07:31	-51.01	52.83	494.01	-47.57	95.07	491.62	-140.56	3.44
280	1/8/2021 10:03	1/8/2021 10:06	0:03:39	-46.22	99.07	491.06	-38.72	114.22	488.20	-141.60	2.40
281	1/8/2021 10:07	1/8/2021 10:17	0:09:50	-37.54	116.00	487.78	-10.31	142.49	481.08	-140.68	3.32
282	1/8/2021 10:17	1/8/2021 10:31	0:13:51	-8.32	143.94	480.88	32.03	176.53	486.77	-140.38	3.62
283	1/8/2021 10:32	1/8/2021 10:33	0:01:00	33.33	178.08	487.23	35.85	-178.69	488.13	-142.71	1.29
284	1/8/2021 10:33	1/8/2021 10:37	0:03:41	37.47	-176.41	488.73	45.28	-161.80	491.83	-142.59	1.41
285	1/8/2021 10:38	1/8/2021 10:53	0:14:51	47.00	-157.14	492.56	40.05	-79.89	492.88	-140.85	3.15
286	1/8/2021 10:53	1/8/2021 11:06	0:12:41	38.91	-78.03	492.59	3.61	-44.66	486.20	-140.09	3.91
287	1/8/2021 11:07	1/8/2021 11:14	0:06:59	1.61	-43.24	486.12	-19.23	-27.82	487.58	-140.54	3.46
288	1/8/2021 11:14	1/8/2021 11:18	0:04:09	-21.15	-26.20	487.90	-32.59	-14.78	490.23	-141.88	2.12
289	1/8/2021 11:20	1/8/2021 11:28	0:08:00	-35.55	-11.05	490.92	-50.29	24.06	494.10	-142.68	1.32
290	1/8/2021 11:29	1/8/2021 11:36	0:07:39	-50.99	28.73	494.16	-47.36	71.82	491.63	-140.37	3.63
291	1/8/2021 11:37	1/8/2021 11:51	0:14:10	-46.27	75.00	491.17	-9.91	118.86	480.95	-140.71	3.29
292	1/8/2021 11:51	1/8/2021 12:06	0:14:11	-8.41	119.95	480.80	32.82	153.54	486.86	-140.43	3.57
293	1/8/2021 12:06	1/8/2021 12:11	0:05:00	34.11	155.11	487.31	45.23	174.14	491.61	-142.61	1.39
294	1/8/2021 12:12	1/8/2021 12:40	0:27:51	47.22	179.60	492.46	3.70	-68.65	486.24	-140.19	3.81
295	1/8/2021 12:41	1/8/2021 12:48	0:07:10	1.69	-67.23	486.16	-19.63	-51.41	487.70	-140.42	3.58
296	1/8/2021 12:48	1/8/2021 12:53	0:04:21	-21.07	-50.19	487.94	-32.95	-38.28	490.37	-141.92	2.08
297	1/8/2021 12:54	1/8/2021 13:00	0:06:00	-35.07	-35.62	490.86	-47.55	-11.34	493.70	-142.74	1.26
298	1/8/2021 13:00	1/8/2021 13:02	0:01:49	-48.28	-8.85	493.83	-50.42	0.90	494.16	-142.66	1.34
299	1/8/2021 13:03	1/8/2021 13:10	0:07:49	-50.97	4.64	494.20	-47.14	48.56	491.55	-140.64	3.36
300	1/8/2021 13:11	1/8/2021 13:25	0:14:09	-46.03	51.72	491.09	-9.49	95.24	480.84	-140.85	3.15

Table 12 Departure GN 3 Mbps (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)
301	1/8/2021 13:26	1/8/2021 13:40	0:14:11	-8.00	96.32	480.70	33.18	130.04	486.91	-140.49	3.51
302	1/8/2021 13:41	1/8/2021 13:45	0:03:50	35.29	132.72	487.66	43.92	147.16	491.00	-142.26	1.74
303	1/8/2021 13:45	1/8/2021 13:46	0:00:11	45.18	150.09	491.52	45.48	150.84	491.65	-143.28	0.72
304	1/8/2021 13:46	1/8/2021 14:01	0:14:51	47.17	155.54	492.37	39.80	-127.33	492.72	-141.10	2.90
305	1/8/2021 14:02	1/8/2021 14:15	0:12:41	38.65	-125.49	492.43	3.28	-92.28	486.29	-140.24	3.76
306	1/8/2021 14:15	1/8/2021 14:22	0:07:09	1.27	-90.86	486.22	-20.03	-75.00	487.87	-140.34	3.66
307	1/8/2021 14:23	1/8/2021 14:27	0:04:29	-21.47	-73.78	488.11	-33.73	-61.25	490.66	-142.01	1.99
308	1/8/2021 14:28	1/8/2021 14:34	0:06:11	-35.00	-59.64	490.95	-47.75	-34.58	493.83	-142.68	1.32
309	1/8/2021 14:34	1/8/2021 14:36	0:01:50	-48.47	-32.07	493.96	-50.54	-22.26	494.25	-142.58	1.42
310	1/8/2021 14:37	1/8/2021 14:45	0:07:49	-50.94	-19.44	494.28	-47.18	24.49	491.63	-140.54	3.46
311	1/8/2021 14:45	1/8/2021 15:00	0:14:10	-45.79	28.43	491.05	-9.08	71.61	480.79	-140.69	3.31
312	1/8/2021 15:00	1/8/2021 15:14	0:14:19	-7.58	72.70	480.65	33.96	107.08	487.21	-140.54	3.46
313	1/8/2021 15:16	1/8/2021 15:19	0:03:11	36.86	110.94	488.27	43.86	123.11	491.04	-142.03	1.97
314	1/8/2021 15:20	1/8/2021 15:20	0:00:11	45.43	126.78	491.69	45.73	127.54	491.82	-143.43	0.57
315	1/8/2021 15:21	1/8/2021 15:36	0:14:50	47.39	132.28	492.54	39.49	-150.74	492.78	-141.15	2.85
316	1/8/2021 15:36	1/8/2021 15:49	0:12:40	38.33	-148.92	492.49	2.87	-115.91	486.38	-140.20	3.80
317	1/8/2021 15:50	1/8/2021 15:57	0:07:10	0.86	-114.50	486.32	-20.42	-98.60	488.01	-140.53	3.47
318	1/8/2021 15:57	1/8/2021 16:08	0:11:00	-21.86	-97.37	488.25	-47.71	-58.66	493.83	-142.14	1.86
319	1/8/2021 16:09	1/8/2021 16:19	0:10:10	-48.65	-55.30	493.99	-46.97	1.23	491.48	-140.96	3.04
320	1/8/2021 16:20	1/8/2021 16:34	0:14:09	-45.84	4.36	491.00	-9.17	47.62	480.73	-140.59	3.41
321	1/8/2021 16:35	1/8/2021 16:47	0:12:50	-7.17	49.06	480.55	30.40	78.99	485.94	-140.58	3.42
322	1/8/2021 16:48	1/8/2021 16:49	0:01:01	31.73	80.48	486.38	34.31	83.59	487.29	-142.32	1.68
323	1/8/2021 16:50	1/8/2021 16:53	0:03:00	37.19	87.49	488.36	43.80	99.06	490.98	-141.67	2.33
324	1/8/2021 16:54	1/8/2021 16:55	0:00:30	45.67	103.48	491.77	46.53	105.81	492.14	-143.12	0.88
325	1/8/2021 16:55	1/8/2021 17:23	0:28:00	47.34	108.21	492.50	2.96	-139.90	486.45	-140.11	3.89
326	1/8/2021 17:24	1/8/2021 17:31	0:07:10	0.45	-138.14	486.38	-20.82	-122.19	488.09	-140.80	3.20
327	1/8/2021 17:31	1/8/2021 17:43	0:11:01	-22.25	-120.95	488.34	-47.91	-81.91	493.81	-142.22	1.78
328	1/8/2021 17:43	1/8/2021 17:53	0:09:59	-48.83	-78.52	493.97	-47.01	-22.84	491.40	-140.99	3.01
329	1/8/2021 17:54	1/8/2021 18:08	0:14:10	-45.60	-18.93	490.80	-8.76	23.99	480.60	-140.57	3.43
330	1/8/2021 18:09	1/8/2021 18:22	0:12:59	-7.26	25.08	480.47	30.77	55.47	486.01	-140.63	3.37
331	1/8/2021 18:22	1/8/2021 18:23	0:01:10	32.09	56.97	486.46	35.08	60.65	487.52	-142.37	1.63
332	1/8/2021 18:24	1/8/2021 18:27	0:03:00	37.52	64.04	488.44	44.07	75.72	491.05	-142.04	1.96
333	1/8/2021 18:28	1/8/2021 18:44	0:15:59	45.62	79.42	491.71	39.24	161.80	492.80	-140.99	3.01
334	1/8/2021 18:45	1/8/2021 18:57	0:12:40	38.08	163.61	492.51	2.54	-163.54	486.48	-140.02	3.98
335	1/8/2021 18:58	1/8/2021 19:05	0:07:19	0.54	-162.13	486.43	-21.21	-145.78	488.21	-140.87	3.13
336	1/8/2021 19:06	1/8/2021 19:17	0:11:00	-22.64	-144.53	488.46	-48.11	-105.15	493.88	-142.26	1.74
337	1/8/2021 19:17	1/8/2021 19:27	0:10:10	-48.80	-102.60	493.99	-46.79	-46.11	491.29	-140.88	3.12
338	1/8/2021 19:28	1/8/2021 19:43	0:14:20	-45.65	-42.99	490.81	-8.35	0.36	480.51	-140.52	3.48
339	1/8/2021 19:43	1/8/2021 19:55	0:11:50	-6.85	1.45	480.39	28.00	28.60	485.05	-140.67	3.33
340	1/8/2021 19:55	1/8/2021 19:56	0:00:50	29.35	30.01	485.49	31.58	32.45	486.23	-141.90	2.10
341	1/8/2021 19:57	1/8/2021 19:58	0:00:59	32.88	33.98	486.69	35.42	37.18	487.60	-142.28	1.72
342	1/8/2021 19:59	1/8/2021 20:02	0:03:00	37.85	40.60	488.52	44.34	52.39	491.12	-142.07	1.93
343	1/8/2021 20:02	1/8/2021 20:04	0:02:10	45.57	55.36	491.64	48.92	65.95	493.15	-142.09	1.91
344	1/8/2021 20:05	1/8/2021 20:32	0:26:39	49.53	68.58	493.44	2.13	172.83	486.46	-140.23	3.77
345	1/8/2021 20:32	1/8/2021 20:40	0:07:19	0.12	174.24	486.42	-21.61	-169.36	488.28	-140.95	3.05
346	1/8/2021 20:40	1/8/2021 20:51	0:10:51	-23.03	-168.11	488.53	-48.07	-129.22	493.85	-142.29	1.71
347	1/8/2021 20:52	1/8/2021 21:02	0:10:10	-48.98	-125.81	494.00	-46.57	-69.38	491.16	-141.02	2.98
348	1/8/2021 21:02	1/8/2021 21:17	0:14:21	-45.41	-66.29	490.68	-7.93	-23.26	480.43	-140.49	3.51
349	1/8/2021 21:17	1/8/2021 21:29	0:11:50	-6.43	-22.18	480.31	28.38	5.06	485.14	-140.70	3.30
350	1/8/2021 21:30	1/8/2021 21:30	0:00:50	29.73	6.48	485.58	31.94	8.94	486.33	-141.80	2.20
351	1/8/2021 21:31	1/8/2021 21:32	0:01:01	33.24	10.48	486.78	35.76	13.71	487.70	-142.06	1.94
352	1/8/2021 21:33	1/8/2021 21:39	0:05:39	38.18	17.16	488.62	48.89	41.87	493.11	-141.22	2.78
353	1/8/2021 21:39	1/8/2021 22:06	0:26:29	49.69	45.40	493.50	2.21	148.84	486.48	-140.24	3.76
354	1/8/2021 22:07	1/8/2021 22:25	0:18:40	-0.30	150.61	486.43	-48.27	-152.45	493.82	-140.72	3.28
355	1/8/2021 22:26	1/8/2021 22:36	0:10:10	-48.94	-149.88	493.93	-46.61	-93.44	491.09	-140.66	3.34
356	1/8/2021 22:37	1/8/2021 22:51	0:14:20	-45.46	-90.34	490.60	-8.01	-47.25	480.35	-140.27	3.73
357	1/8/2021 22:52	1/8/2021 23:03	0:11:50	-6.01	-45.81	480.20	28.75	-18.48	485.24	-140.70	3.30
358	1/8/2021 23:04	1/8/2021 23:05	0:00:50	30.10	-17.04	485.68	32.30	-14.56	486.44	-141.80	2.20
359	1/8/2021 23:06	1/8/2021 23:06	0:00:59	34.02	-12.48	487.06	36.52	-9.18	487.98	-141.68	2.32
360	1/8/2021 23:07	1/8/2021 23:07	0:00:09	38.12	-6.86	488.60	38.51	-6.27	488.75	-143.80	0.20

Table 12 Departure GN 3 Mbps (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)
361	1/8/2021 23:08	1/8/2021 23:13	0:05:00	39.66	-4.43	489.20	48.85	17.81	493.13	-141.36	2.64
362	1/8/2021 23:14	1/8/2021 23:40	0:26:39	49.66	21.33	493.53	1.80	125.21	486.53	-140.22	3.78
363	1/8/2021 23:41	1/8/2021 23:54	0:13:10	-0.71	126.98	486.49	-37.83	160.74	491.65	-140.57	3.43
364	1/8/2021 23:55	1/9/2021 0:10	0:15:29	-39.38	163.14	492.00	-46.38	-116.71	490.97	-140.91	3.09
365	1/9/2021 0:11	1/9/2021 0:25	0:14:21	-45.20	-113.64	490.48	-7.60	-70.87	480.32	-140.36	3.64
366	1/9/2021 0:26	1/9/2021 0:39	0:13:10	-5.59	-69.44	480.18	32.66	-38.06	486.59	-140.58	3.42
367	1/9/2021 0:40	1/9/2021 0:41	0:00:50	34.79	-35.42	487.37	36.85	-32.64	488.14	-141.63	2.37
368	1/9/2021 0:42	1/9/2021 0:42	0:00:00	38.44	-30.29	488.75	38.44	-30.29	488.75	-143.30	0.70
369	1/9/2021 0:42	1/9/2021 0:47	0:04:51	39.98	-27.84	489.36	48.81	-6.26	493.16	-141.36	2.64
370	1/9/2021 0:48	1/9/2021 1:15	0:26:40	49.81	-1.85	493.65	1.38	101.58	486.52	-140.20	3.80
371	1/9/2021 1:15	1/9/2021 1:28	0:12:59	-1.13	103.34	486.49	-37.76	136.71	491.67	-140.61	3.39
372	1/9/2021 1:29	1/9/2021 1:44	0:15:20	-39.70	139.73	492.11	-46.42	-140.77	491.11	-140.60	3.40
373	1/9/2021 1:45	1/9/2021 2:00	0:14:20	-44.95	-136.95	490.50	-7.18	-94.51	480.41	-140.45	3.55
374	1/9/2021 2:00	1/9/2021 2:14	0:13:21	-5.68	-93.43	480.31	33.02	-61.56	486.77	-140.52	3.48
375	1/9/2021 2:14	1/9/2021 2:16	0:01:29	35.14	-58.90	487.53	38.76	-53.72	488.91	-141.69	2.31
376	1/9/2021 2:17	1/9/2021 2:21	0:04:49	40.28	-51.24	489.51	48.99	-29.48	493.25	-141.43	2.57
377	1/9/2021 2:22	1/9/2021 2:49	0:26:41	49.96	-25.04	493.73	0.96	77.94	486.40	-140.21	3.79
378	1/9/2021 2:49	1/9/2021 3:01	0:11:31	-1.05	79.35	486.38	-33.99	107.66	490.82	-140.37	3.63
379	1/9/2021 3:02	1/9/2021 3:02	0:00:59	-35.25	109.28	491.12	-37.69	112.68	491.68	-143.40	0.60
380	1/9/2021 3:04	1/9/2021 3:19	0:15:10	-40.38	116.95	492.31	-46.19	-164.06	491.20	-140.73	3.27
381	1/9/2021 3:19	1/9/2021 3:34	0:14:30	-45.00	-161.01	490.71	-6.77	-118.14	480.54	-140.51	3.49
382	1/9/2021 3:34	1/9/2021 3:48	0:13:10	-5.27	-117.07	480.44	32.94	-85.59	486.74	-140.49	3.51
383	1/9/2021 3:49	1/9/2021 3:50	0:01:29	35.48	-82.38	487.64	39.08	-77.15	488.99	-141.75	2.25
384	1/9/2021 3:51	1/9/2021 3:56	0:04:40	40.59	-74.65	489.58	48.95	-53.57	493.12	-141.50	2.50
385	1/9/2021 3:56	1/9/2021 4:23	0:26:49	49.93	-49.13	493.59	0.55	54.30	486.25	-140.12	3.88
386	1/9/2021 4:24	1/9/2021 4:35	0:11:30	-1.46	55.71	486.24	-34.34	84.18	490.82	-140.27	3.73
387	1/9/2021 4:36	1/9/2021 4:37	0:00:50	-35.60	85.81	491.12	-37.62	88.65	491.59	-143.48	0.52
388	1/9/2021 4:38	1/9/2021 4:53	0:15:11	-40.69	93.55	492.31	-45.95	172.66	491.09	-140.47	3.53
389	1/9/2021 4:54	1/9/2021 5:08	0:14:30	-44.75	175.67	490.60	-6.36	-141.77	480.53	-140.51	3.49
390	1/9/2021 5:09	1/9/2021 5:22	0:13:10	-4.85	-140.70	480.44	33.30	-109.08	486.88	-140.37	3.63
391	1/9/2021 5:23	1/9/2021 5:25	0:01:31	35.82	-105.85	487.79	39.40	-100.57	489.14	-141.75	2.25
392	1/9/2021 5:25	1/9/2021 5:30	0:04:49	40.52	-98.69	489.57	49.13	-76.77	493.21	-141.58	2.42
393	1/9/2021 5:31	1/9/2021 5:57	0:26:50	50.07	-72.31	493.67	0.13	30.67	486.20	-140.20	3.80
394	1/9/2021 5:58	1/9/2021 6:11	0:12:49	-1.88	32.08	486.20	-37.95	65.21	491.61	-140.35	3.65
395	1/9/2021 6:12	1/9/2021 6:27	0:15:01	-40.99	70.16	492.33	-46.00	148.60	491.05	-140.46	3.54
396	1/9/2021 6:28	1/9/2021 6:42	0:14:30	-44.80	151.62	490.56	-6.44	-165.76	480.49	-140.55	3.45
397	1/9/2021 6:43	1/9/2021 6:56	0:13:10	-4.44	-164.33	480.37	33.65	-132.57	486.97	-140.22	3.78
398	1/9/2021 6:57	1/9/2021 6:59	0:01:40	35.75	-129.87	487.72	39.71	-123.98	489.22	-141.43	2.57
399	1/9/2021 6:59	1/9/2021 7:00	0:00:50	40.83	-122.08	489.66	42.61	-118.76	490.37	-142.12	1.88
400	1/9/2021 7:01	1/9/2021 7:04	0:03:30	43.62	-116.67	490.79	49.30	-99.97	493.26	-141.66	2.34
401	1/9/2021 7:05	1/9/2021 7:32	0:26:40	50.21	-95.47	493.71	0.22	6.68	486.23	-140.17	3.83
402	1/9/2021 7:32	1/9/2021 7:45	0:12:41	-2.29	8.45	486.23	-37.89	41.19	491.59	-140.43	3.57
403	1/9/2021 7:47	1/9/2021 8:02	0:15:01	-41.30	46.78	492.38	-45.76	125.32	490.87	-140.32	3.68
404	1/9/2021 8:02	1/9/2021 8:17	0:14:31	-44.54	128.31	490.37	-6.02	170.62	480.37	-140.61	3.39
405	1/9/2021 8:17	1/9/2021 8:31	0:13:19	-4.52	171.69	480.29	34.01	-156.06	487.07	-140.07	3.93
406	1/9/2021 8:31	1/9/2021 8:34	0:02:51	36.10	-153.33	487.83	42.56	-142.80	490.35	-141.34	2.66
407	1/9/2021 8:35	1/9/2021 9:06	0:31:00	43.90	-140.00	490.90	-0.20	-16.95	486.34	-140.20	3.80
408	1/9/2021 9:07	1/9/2021 9:19	0:12:31	-2.71	-15.18	486.35	-37.82	17.16	491.65	-140.41	3.59
409	1/9/2021 9:21	1/9/2021 9:36	0:15:00	-41.59	23.40	492.52	-45.51	102.03	490.74	-140.20	3.80
410	1/9/2021 9:37	1/9/2021 9:51	0:14:30	-44.27	104.99	490.23	-5.61	146.99	480.26	-140.66	3.34
411	1/9/2021 9:52	1/9/2021 10:05	0:13:10	-4.10	148.06	480.18	33.94	179.93	486.97	-139.97	4.03
412	1/9/2021 10:06	1/9/2021 10:09	0:02:51	36.44	-176.78	487.89	42.84	-166.15	490.41	-141.45	2.55
413	1/9/2021 10:09	1/9/2021 10:40	0:31:10	43.85	-164.05	490.83	-0.62	-40.58	486.47	-140.22	3.78
414	1/9/2021 10:41	1/9/2021 10:54	0:12:31	-2.63	-39.17	486.48	-37.75	-6.86	491.81	-140.33	3.67
415	1/9/2021 10:55	1/9/2021 11:10	0:14:59	-41.89	0.02	492.75	-45.26	78.72	490.72	-140.30	3.70
416	1/9/2021 11:11	1/9/2021 11:39	0:28:11	-44.33	80.94	490.33	33.87	155.92	486.76	-139.97	4.03
417	1/9/2021 11:40	1/9/2021 11:43	0:03:00	36.37	159.20	487.67	43.12	170.50	490.33	-141.40	2.60
418	1/9/2021 11:43	1/9/2021 12:15	0:31:11	44.11	172.62	490.75	-1.04	-64.21	486.51	-140.24	3.76
419	1/9/2021 12:15	1/9/2021 12:28	0:12:20	-3.05	-62.80	486.54	-37.69	-30.89	491.85	-140.25	3.75
420	1/9/2021 12:30	1/9/2021 12:45	0:15:00	-42.18	-23.35	492.88	-45.01	55.42	490.63	-140.04	3.96

Table 12 Departure GN 3 Mbps (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)
421	1/9/2021 12:45	1/9/2021 13:13	0:28:00	-44.06	57.61	490.24	33.80	131.90	486.65	-140.07	3.93
422	1/9/2021 13:14	1/9/2021 13:18	0:03:30	36.71	135.75	487.72	44.38	149.30	490.78	-141.42	2.58
423	1/9/2021 13:19	1/9/2021 13:49	0:30:20	45.91	153.05	491.43	-1.46	-87.84	486.58	-140.20	3.80
424	1/9/2021 13:50	1/9/2021 14:02	0:12:21	-3.47	-86.43	486.62	-38.02	-54.32	492.03	-140.20	3.80
425	1/9/2021 14:04	1/9/2021 14:48	0:43:31	-42.47	-46.70	493.04	34.15	108.42	486.81	-140.07	3.93
426	1/9/2021 14:49	1/9/2021 14:52	0:03:19	37.04	112.30	487.88	44.33	125.26	490.83	-141.48	2.52
427	1/9/2021 14:53	1/9/2021 15:23	0:30:10	46.43	130.54	491.74	-1.87	-111.47	486.70	-140.21	3.79
428	1/9/2021 15:24	1/9/2021 15:36	0:11:39	-3.88	-110.06	486.74	-36.75	-80.09	491.79	-140.15	3.85
429	1/9/2021 15:36	1/9/2021 15:36	0:00:11	-37.95	-78.35	492.06	-38.34	-77.76	492.15	-143.95	0.05
430	1/9/2021 15:38	1/9/2021 16:22	0:43:31	-42.41	-70.75	493.06	34.08	84.40	486.74	-140.28	3.72
431	1/9/2021 16:23	1/9/2021 16:26	0:03:31	36.97	88.27	487.82	44.59	101.93	490.90	-141.44	2.56
432	1/9/2021 16:27	1/9/2021 16:58	0:30:10	46.38	106.48	491.69	-1.79	-135.46	486.75	-140.23	3.77
433	1/9/2021 16:58	1/9/2021 17:10	0:11:49	-3.79	-134.05	486.79	-37.08	-103.55	491.84	-140.15	3.85
434	1/9/2021 17:11	1/9/2021 17:11	0:00:00	-38.27	-101.79	492.11	-38.27	-101.79	492.11	-143.97	0.03
435	1/9/2021 17:12	1/9/2021 17:56	0:43:31	-42.69	-94.12	493.09	34.43	60.92	486.81	-140.39	3.61
436	1/9/2021 17:57	1/9/2021 18:01	0:03:31	37.31	64.82	487.89	44.85	78.62	490.97	-141.43	2.57
437	1/9/2021 18:02	1/9/2021 18:05	0:03:00	46.61	83.21	491.76	50.49	98.74	493.67	-141.99	2.01
438	1/9/2021 18:05	1/9/2021 18:32	0:26:40	50.90	101.55	493.91	-2.20	-159.10	486.81	-140.25	3.75
439	1/9/2021 18:33	1/9/2021 18:44	0:11:39	-4.21	-157.68	486.86	-37.01	-127.57	491.87	-140.21	3.79
440	1/9/2021 18:45	1/9/2021 18:45	0:00:00	-38.59	-125.22	492.23	-38.59	-125.22	492.23	-143.97	0.03
441	1/9/2021 18:47	1/9/2021 19:30	0:43:41	-42.64	-118.16	493.12	34.78	37.44	486.90	-140.37	3.63
442	1/9/2021 19:31	1/9/2021 20:04	0:32:31	37.24	40.80	487.82	4.40	172.33	486.91	-140.26	3.74
443	1/9/2021 20:04	1/9/2021 20:06	0:01:50	2.90	173.39	486.85	-2.62	177.27	486.81	-140.99	3.01
444	1/9/2021 20:07	1/9/2021 20:18	0:11:39	-4.63	178.69	486.87	-37.35	-151.02	491.94	-140.28	3.72
445	1/9/2021 20:19	1/9/2021 20:19	0:00:00	-38.92	-148.64	492.30	-38.92	-148.64	492.30	-143.94	0.06
446	1/9/2021 20:21	1/9/2021 20:38	0:17:20	-42.58	-142.20	493.10	-39.79	-53.87	488.34	-140.43	3.57
447	1/9/2021 20:39	1/9/2021 20:40	0:01:40	-38.64	-52.03	487.89	-34.58	-46.33	486.39	-141.86	2.14
448	1/9/2021 20:41	1/9/2021 21:05	0:23:50	-33.31	-44.74	485.93	35.13	13.97	486.99	-140.67	3.33
449	1/9/2021 21:05	1/9/2021 21:38	0:32:40	37.17	16.78	487.77	3.99	148.70	486.90	-140.24	3.76
450	1/9/2021 21:39	1/9/2021 21:41	0:01:51	2.48	149.76	486.85	-3.04	153.64	486.82	-141.12	2.88
451	1/9/2021 21:41	1/9/2021 21:53	0:11:50	-5.04	155.06	486.89	-38.07	-173.87	492.07	-140.36	3.64
452	1/9/2021 21:53	1/9/2021 21:53	0:00:00	-39.24	-172.06	492.33	-39.24	-172.06	492.33	-143.91	0.09
453	1/9/2021 21:54	1/9/2021 21:54	0:00:00	-41.11	-168.90	492.73	-41.11	-168.90	492.73	-143.95	0.05
454	1/9/2021 21:55	1/9/2021 22:09	0:13:40	-42.52	-166.24	493.04	-47.03	-93.57	491.28	-141.84	2.16
455	1/9/2021 22:09	1/9/2021 22:39	0:29:50	-46.20	-91.20	490.91	35.48	-9.50	487.12	-140.65	3.35
456	1/9/2021 22:40	1/9/2021 23:12	0:32:49	37.11	-7.24	487.74	3.57	125.07	486.95	-140.25	3.75
457	1/9/2021 23:13	1/9/2021 23:15	0:01:51	2.06	126.13	486.90	-3.46	130.01	486.90	-141.17	2.83
458	1/9/2021 23:15	1/9/2021 23:28	0:12:40	-4.96	131.08	486.94	-39.94	165.16	492.49	-140.21	3.79
459	1/9/2021 23:29	1/9/2021 23:29	0:00:00	-41.41	167.72	492.81	-41.41	167.72	492.81	-143.89	0.11
460	1/9/2021 23:29	1/9/2021 23:43	0:13:39	-42.81	170.41	493.11	-46.80	-116.83	491.15	-141.85	2.15
461	1/9/2021 23:43	1/10/2021 0:13	0:29:51	-45.96	-114.47	490.78	35.82	-32.96	487.28	-140.61	3.39
462	1/10/2021 0:14	1/10/2021 0:22	0:07:51	37.45	-30.68	487.90	50.82	5.22	493.88	-141.77	2.23
463	1/10/2021 0:22	1/10/2021 0:47	0:24:30	51.17	8.07	494.11	3.15	101.44	486.94	-140.26	3.74
464	1/10/2021 0:47	1/10/2021 0:49	0:01:50	1.64	102.50	486.89	-3.88	106.38	486.91	-141.13	2.87
465	1/10/2021 0:50	1/10/2021 0:53	0:03:30	-5.38	107.45	486.96	-15.79	115.17	487.87	-140.11	3.89
466	1/10/2021 0:54	1/10/2021 1:02	0:08:40	-17.26	116.33	488.07	-40.25	141.76	492.60	-141.77	2.23
467	1/10/2021 1:03	1/10/2021 1:03	0:00:11	-41.35	143.69	492.84	-41.70	144.35	492.92	-143.88	0.12
468	1/10/2021 1:04	1/10/2021 1:08	0:04:40	-42.75	146.37	493.14	-50.11	168.83	494.40	-143.15	0.85
469	1/10/2021 1:09	1/10/2021 1:21	0:12:20	-50.58	171.59	494.42	-39.21	-124.72	488.13	-141.17	2.83
470	1/10/2021 1:21	1/10/2021 1:23	0:01:40	-38.04	-122.91	487.68	-33.94	-117.30	486.17	-141.72	2.28
471	1/10/2021 1:24	1/10/2021 1:47	0:23:50	-32.65	-115.74	485.73	35.75	-56.98	487.29	-140.65	3.35
472	1/10/2021 1:48	1/10/2021 1:56	0:07:51	37.77	-54.12	488.07	50.92	-17.92	493.95	-141.35	2.65
473	1/10/2021 1:57	1/10/2021 2:21	0:24:19	51.25	-15.06	494.17	3.23	77.45	486.83	-140.28	3.72
474	1/10/2021 2:22	1/10/2021 2:23	0:01:40	1.22	78.86	486.78	-3.80	82.39	486.81	-141.10	2.90
475	1/10/2021 2:24	1/10/2021 2:28	0:03:31	-5.80	83.82	486.89	-16.20	91.56	487.86	-140.12	3.88
476	1/10/2021 2:28	1/10/2021 2:37	0:09:20	-17.66	92.73	488.06	-42.00	120.97	493.04	-141.79	2.21
477	1/10/2021 2:38	1/10/2021 2:43	0:04:40	-43.04	123.02	493.26	-50.25	145.66	494.53	-143.09	0.91
478	1/10/2021 2:43	1/10/2021 2:51	0:08:30	-50.69	148.44	494.55	-46.62	-164.16	491.38	-141.97	2.03
479	1/10/2021 2:52	1/10/2021 3:22	0:29:51	-45.76	-161.82	491.01	36.09	-80.45	487.40	-140.72	3.28
480	1/10/2021 3:22	1/10/2021 3:30	0:08:00	37.70	-78.15	488.01	51.02	-41.07	493.88	-140.90	3.10

Table 12 Departure GN 3 Mbps (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)
481	1/10/2021 3:31	1/10/2021 3:55	0:24:20	51.33	-38.20	494.09	2.81	53.81	486.67	-140.25	3.75
482	1/10/2021 3:56	1/10/2021 3:58	0:01:40	0.80	55.23	486.62	-4.21	58.76	486.68	-141.10	2.90
483	1/10/2021 3:58	1/10/2021 4:02	0:03:41	-5.72	59.83	486.75	-16.61	67.96	487.80	-140.15	3.85
484	1/10/2021 4:02	1/10/2021 4:12	0:09:20	-18.07	69.13	488.01	-42.29	97.61	493.04	-141.77	2.23
485	1/10/2021 4:12	1/10/2021 4:17	0:04:31	-43.32	99.67	493.26	-50.22	121.58	494.48	-143.10	0.90
486	1/10/2021 4:17	1/10/2021 4:26	0:08:30	-50.81	125.30	494.52	-46.39	172.57	491.28	-142.02	1.98
487	1/10/2021 4:26	1/10/2021 4:56	0:29:50	-45.52	174.89	490.90	36.43	-103.91	487.54	-140.67	3.33
488	1/10/2021 4:57	1/10/2021 5:04	0:07:01	38.03	-101.59	488.15	50.32	-69.83	493.47	-140.86	3.14
489	1/10/2021 5:04	1/10/2021 5:30	0:25:21	50.75	-67.05	493.71	2.39	30.18	486.61	-140.26	3.74
490	1/10/2021 5:30	1/10/2021 5:32	0:01:49	0.89	31.24	486.58	-4.63	35.13	486.65	-141.14	2.86
491	1/10/2021 5:32	1/10/2021 5:36	0:03:40	-6.13	36.20	486.71	-17.01	44.35	487.80	-140.20	3.80
492	1/10/2021 5:37	1/10/2021 5:51	0:14:21	-18.47	45.53	488.02	-50.35	98.42	494.43	-141.75	2.25
493	1/10/2021 5:51	1/10/2021 6:04	0:12:20	-50.79	101.21	494.46	-38.63	164.41	488.06	-141.40	2.60
494	1/10/2021 6:04	1/10/2021 6:06	0:01:40	-37.45	166.19	487.62	-33.30	171.71	486.12	-141.62	2.38
495	1/10/2021 6:06	1/10/2021 6:30	0:24:00	-32.01	173.25	485.68	36.77	-127.36	487.64	-140.57	3.43
496	1/10/2021 6:31	1/10/2021 6:38	0:06:59	38.36	-125.02	488.25	50.45	-92.99	493.51	-141.37	2.63
497	1/10/2021 6:39	1/10/2021 7:04	0:25:21	50.86	-90.18	493.75	1.97	6.55	486.62	-140.29	3.71
498	1/10/2021 7:04	1/10/2021 7:06	0:01:50	0.47	7.61	486.59	-5.05	11.50	486.68	-141.24	2.76
499	1/10/2021 7:07	1/10/2021 7:10	0:03:39	-6.55	12.57	486.76	-17.42	20.75	487.87	-140.29	3.71
500	1/10/2021 7:11	1/10/2021 7:20	0:09:10	-18.88	21.94	488.09	-42.53	50.21	493.02	-141.74	2.26
501	1/10/2021 7:21	1/10/2021 7:25	0:04:31	-43.54	52.29	493.24	-50.33	74.35	494.40	-143.02	0.98
502	1/10/2021 7:26	1/10/2021 7:40	0:14:30	-50.89	78.08	494.42	-32.94	148.22	485.90	-141.24	2.76
503	1/10/2021 7:41	1/10/2021 8:05	0:23:50	-31.64	149.75	485.46	36.71	-151.37	487.59	-140.48	3.52
504	1/10/2021 8:06	1/10/2021 8:12	0:06:41	39.08	-147.83	488.51	50.42	-117.06	493.52	-141.41	2.59
505	1/10/2021 8:13	1/10/2021 8:38	0:25:30	50.84	-114.26	493.76	1.55	-17.08	486.72	-140.33	3.67
506	1/10/2021 8:39	1/10/2021 8:41	0:01:51	0.05	-16.02	486.71	-5.47	-12.12	486.82	-141.28	2.72
507	1/10/2021 8:41	1/10/2021 8:45	0:03:39	-6.97	-11.05	486.90	-17.83	-2.84	488.04	-140.38	3.62
508	1/10/2021 8:45	1/10/2021 8:54	0:09:09	-19.28	-1.65	488.26	-42.81	26.86	493.14	-141.73	2.27
509	1/10/2021 8:55	1/10/2021 9:00	0:04:31	-43.82	28.96	493.35	-50.46	51.19	494.44	-143.02	0.98
510	1/10/2021 9:00	1/10/2021 9:39	0:38:49	-50.99	54.94	494.45	37.05	-174.82	487.66	-140.43	3.57
511	1/10/2021 9:40	1/10/2021 9:47	0:06:31	39.40	-171.24	488.58	50.40	-141.13	493.49	-141.45	2.55
512	1/10/2021 9:47	1/10/2021 10:13	0:25:21	50.95	-137.39	493.82	1.64	-41.06	486.85	-140.34	3.66
513	1/10/2021 10:13	1/10/2021 10:15	0:01:50	-0.37	-39.65	486.83	-5.89	-35.75	486.97	-141.25	2.75
514	1/10/2021 10:15	1/10/2021 10:34	0:18:20	-7.39	-34.68	487.06	-50.58	28.04	494.59	-140.28	3.72
515	1/10/2021 10:34	1/10/2021 10:47	0:12:20	-50.97	30.86	494.60	-38.04	93.54	487.73	-141.36	2.64
516	1/10/2021 10:47	1/10/2021 10:49	0:01:40	-36.84	95.28	487.28	-32.65	100.71	485.75	-141.63	2.37
517	1/10/2021 10:49	1/10/2021 11:13	0:23:59	-31.35	102.23	485.30	37.38	161.74	487.60	-140.47	3.53
518	1/10/2021 11:15	1/10/2021 11:21	0:06:10	40.09	165.98	488.67	50.37	-165.21	493.30	-141.44	2.56
519	1/10/2021 11:21	1/10/2021 11:47	0:25:30	50.93	-161.47	493.63	1.21	-64.69	486.88	-140.34	3.66
520	1/10/2021 11:47	1/10/2021 11:49	0:01:51	-0.29	-63.63	486.87	-5.81	-59.73	487.02	-141.22	2.78
521	1/10/2021 11:50	1/10/2021 12:08	0:18:10	-7.81	-58.30	487.14	-50.56	3.96	494.65	-140.20	3.80
522	1/10/2021 12:09	1/10/2021 12:23	0:14:30	-51.07	7.73	494.65	-32.29	77.21	485.62	-141.27	2.73
523	1/10/2021 12:24	1/10/2021 12:48	0:23:59	-30.98	78.72	485.16	37.72	138.31	487.63	-140.32	3.68
524	1/10/2021 12:49	1/10/2021 12:55	0:06:11	40.41	142.59	488.70	50.50	171.65	493.27	-141.43	2.57
525	1/10/2021 12:56	1/10/2021 13:21	0:25:30	51.03	175.40	493.60	0.79	-88.32	486.94	-140.36	3.64
526	1/10/2021 13:22	1/10/2021 13:24	0:01:50	-0.72	-87.26	486.94	-6.23	-83.36	487.12	-141.18	2.82
527	1/10/2021 13:24	1/10/2021 13:43	0:18:21	-8.23	-81.92	487.25	-50.81	-18.24	494.73	-140.14	3.86
528	1/10/2021 13:43	1/10/2021 14:22	0:38:49	-51.16	-15.40	494.72	37.65	114.29	487.66	-140.14	3.86
529	1/10/2021 14:23	1/10/2021 14:26	0:03:01	40.72	119.20	488.88	46.58	132.06	491.41	-141.76	2.24
530	1/10/2021 14:27	1/10/2021 14:29	0:02:30	47.38	134.47	491.78	50.47	147.57	493.37	-141.44	2.56
531	1/10/2021 14:30	1/10/2021 14:56	0:25:41	51.01	151.32	493.70	0.37	-111.95	487.05	-140.40	3.60
532	1/10/2021 14:56	1/10/2021 14:58	0:01:49	-1.13	-110.89	487.06	-6.64	-106.99	487.25	-141.21	2.79
533	1/10/2021 14:59	1/10/2021 15:30	0:31:00	-8.64	-105.55	487.38	-37.44	22.64	487.49	-140.13	3.87
534	1/10/2021 15:30	1/10/2021 15:32	0:01:40	-36.23	24.36	487.02	-32.00	29.70	485.48	-141.73	2.27
535	1/10/2021 15:32	1/10/2021 15:56	0:24:00	-30.68	31.19	485.02	37.98	90.85	487.74	-140.37	3.63
536	1/10/2021 15:58	1/10/2021 16:00	0:02:49	41.02	95.81	488.97	46.53	108.00	491.36	-141.70	2.30
537	1/10/2021 16:01	1/10/2021 16:04	0:02:30	47.59	111.22	491.86	50.60	124.42	493.43	-141.50	2.50
538	1/10/2021 16:04	1/10/2021 16:30	0:25:50	50.99	127.24	493.68	-0.04	-135.58	487.11	-140.40	3.60
539	1/10/2021 16:30	1/10/2021 16:32	0:01:49	-1.55	-134.53	487.12	-7.06	-130.62	487.32	-141.20	2.80
540	1/10/2021 16:33	1/10/2021 17:06	0:33:10	-9.05	-129.17	487.46	-31.64	6.19	485.25	-140.15	3.85

Table 12 Departure GN 3 Mbps (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)
541	1/10/2021 17:06	1/10/2021 17:31	0:24:01	-30.31	7.67	484.80	38.31	67.42	487.82	-140.35	3.65
542	1/10/2021 17:31	1/10/2021 17:31	0:00:00	39.47	69.24	488.28	39.47	69.24	488.28	-143.85	0.15
543	1/10/2021 17:32	1/10/2021 17:34	0:02:39	41.32	72.43	489.04	46.48	83.95	491.29	-141.75	2.25
544	1/10/2021 17:35	1/10/2021 17:38	0:02:40	47.55	87.16	491.79	50.71	101.27	493.46	-141.53	2.47
545	1/10/2021 17:38	1/10/2021 18:04	0:25:41	51.08	104.11	493.71	0.04	-159.57	487.16	-140.37	3.63
546	1/10/2021 18:05	1/10/2021 18:06	0:01:59	-1.47	-158.51	487.17	-7.48	-154.24	487.40	-141.13	2.87
547	1/10/2021 18:07	1/10/2021 18:40	0:33:10	-9.47	-152.80	487.55	-31.27	-17.32	485.09	-140.13	3.87
548	1/10/2021 18:41	1/10/2021 19:05	0:24:30	-29.94	-15.85	484.64	39.79	45.84	488.37	-140.41	3.59
549	1/10/2021 19:06	1/10/2021 19:09	0:02:40	41.63	49.05	489.13	46.72	60.68	491.36	-141.98	2.02
550	1/10/2021 19:10	1/10/2021 19:12	0:02:39	47.76	63.92	491.85	50.82	78.13	493.49	-141.59	2.41
551	1/10/2021 19:13	1/10/2021 19:38	0:25:41	51.17	80.98	493.73	-0.38	176.80	487.16	-140.35	3.65
552	1/10/2021 19:39	1/10/2021 19:41	0:01:49	-1.89	177.86	487.17	-7.40	-178.23	487.39	-141.15	2.85
553	1/10/2021 19:41	1/10/2021 20:12	0:31:00	-9.39	-176.78	487.54	-36.84	-48.27	487.10	-140.11	3.89
554	1/10/2021 20:13	1/10/2021 20:40	0:26:50	-35.62	-46.58	486.63	40.10	22.44	488.47	-140.50	3.50
555	1/10/2021 20:40	1/10/2021 20:43	0:02:41	41.92	25.68	489.22	46.95	37.42	491.44	-142.23	1.77
556	1/10/2021 20:44	1/10/2021 21:13	0:28:50	47.97	40.69	491.93	-0.80	153.17	487.16	-140.36	3.64
557	1/10/2021 21:13	1/10/2021 21:15	0:01:51	-2.31	154.23	487.18	-7.81	158.15	487.42	-141.19	2.81
558	1/10/2021 21:16	1/10/2021 21:49	0:33:10	-9.81	159.60	487.57	-30.97	-64.83	484.87	-140.11	3.89
559	1/10/2021 21:49	1/10/2021 22:14	0:24:40	-29.64	-63.37	484.42	40.42	-0.95	488.60	-140.51	3.49
560	1/10/2021 22:15	1/10/2021 22:18	0:02:41	42.22	2.32	489.36	47.17	14.18	491.57	-142.29	1.71
561	1/10/2021 22:18	1/10/2021 22:47	0:28:50	48.17	17.48	492.06	-1.23	129.54	487.22	-140.40	3.60
562	1/10/2021 22:47	1/10/2021 22:49	0:01:51	-2.73	130.60	487.25	-8.23	134.53	487.51	-141.20	2.80
563	1/10/2021 22:50	1/10/2021 23:23	0:33:10	-10.23	135.98	487.66	-30.60	-88.34	484.72	-139.96	4.04
564	1/10/2021 23:24	1/10/2021 23:48	0:24:40	-29.26	-86.89	484.27	40.73	-24.34	488.76	-140.48	3.52
565	1/10/2021 23:49	1/10/2021 23:52	0:02:30	42.51	-21.03	489.52	47.13	-9.87	491.59	-142.10	1.90
566	1/10/2021 23:52	1/11/2021 0:24	0:31:21	48.14	-6.58	492.08	-8.65	110.90	487.54	-140.44	3.56
567	1/11/2021 0:24	1/11/2021 0:55	0:30:49	-10.64	112.36	487.71	-36.22	-119.18	486.86	-139.80	4.20
568	1/11/2021 0:56	1/11/2021 1:23	0:27:01	-34.98	-117.52	486.40	41.03	-47.73	488.93	-140.45	3.55
569	1/11/2021 1:24	1/11/2021 1:26	0:02:30	42.80	-44.38	489.67	47.34	-33.13	491.72	-141.85	2.15
570	1/11/2021 1:27	1/11/2021 1:58	0:31:11	48.33	-29.81	492.20	-8.57	86.92	487.45	-140.41	3.59
571	1/11/2021 1:59	1/11/2021 2:02	0:03:39	-11.06	88.74	487.67	-21.77	97.28	489.15	-139.68	4.32
572	1/11/2021 2:03	1/11/2021 2:29	0:26:40	-23.20	98.54	489.40	-35.88	-142.65	486.95	-140.87	3.13
573	1/11/2021 2:30	1/11/2021 2:57	0:26:59	-34.63	-141.00	486.48	41.33	-71.12	488.99	-140.46	3.54
574	1/11/2021 2:58	1/11/2021 3:00	0:02:21	43.42	-67.04	489.87	47.56	-56.38	491.71	-141.59	2.41
575	1/11/2021 3:01	1/11/2021 3:30	0:28:49	48.52	-53.03	492.18	-1.99	58.30	486.99	-140.35	3.65
576	1/11/2021 3:30	1/11/2021 3:32	0:01:50	-3.49	59.36	487.03	-8.99	63.29	487.35	-141.11	2.89
577	1/11/2021 3:33	1/11/2021 4:31	0:58:19	-11.47	65.12	487.58	41.63	-94.49	489.13	-139.59	4.41
578	1/11/2021 4:32	1/11/2021 4:35	0:02:10	44.02	-89.66	490.13	47.77	-79.62	491.82	-141.41	2.59
579	1/11/2021 4:35	1/11/2021 5:04	0:28:50	48.71	-76.24	492.27	-2.41	34.66	486.95	-140.35	3.65
580	1/11/2021 5:05	1/11/2021 5:06	0:01:49	-3.91	35.73	486.99	-9.41	39.67	487.33	-141.24	2.76
581	1/11/2021 5:07	1/11/2021 6:06	0:58:21	-11.89	41.50	487.56	41.93	-117.86	489.22	-139.53	4.47
582	1/11/2021 6:06	1/11/2021 6:06	0:00:00	43.31	-115.12	489.80	43.31	-115.12	489.80	-143.93	0.07
583	1/11/2021 6:07	1/11/2021 6:09	0:01:59	44.61	-112.25	490.36	47.98	-102.84	491.88	-141.19	2.81
584	1/11/2021 6:10	1/11/2021 6:41	0:31:19	48.68	-100.30	492.22	-9.83	16.05	487.38	-140.39	3.61
585	1/11/2021 6:42	1/11/2021 7:12	0:30:41	-12.30	17.89	487.62	-35.25	146.42	486.59	-139.52	4.48
586	1/11/2021 7:13	1/11/2021 7:40	0:27:10	-33.99	148.04	486.13	42.23	-141.22	489.34	-140.57	3.43
587	1/11/2021 7:41	1/11/2021 7:41	0:00:09	43.26	-139.15	489.77	43.59	-138.45	489.91	-143.86	0.14
588	1/11/2021 7:41	1/11/2021 7:43	0:01:51	45.19	-134.81	490.61	48.18	-126.06	491.99	-141.29	2.71
589	1/11/2021 7:44	1/11/2021 8:15	0:31:09	48.86	-123.50	492.33	-9.75	-7.93	487.48	-140.42	3.58
590	1/11/2021 8:16	1/11/2021 9:15	0:59:21	-12.23	-6.09	487.72	44.20	-161.05	490.14	-139.56	4.44
591	1/11/2021 9:16	1/11/2021 9:18	0:01:40	45.74	-157.34	490.82	48.38	-149.27	492.07	-141.53	2.47
592	1/11/2021 9:18	1/11/2021 9:49	0:31:09	49.04	-146.69	492.40	-10.17	-31.55	487.66	-140.42	3.58
593	1/11/2021 9:50	1/11/2021 10:49	0:59:20	-12.64	-29.71	487.91	44.46	175.63	490.07	-139.48	4.52
594	1/11/2021 10:50	1/11/2021 10:52	0:01:41	45.98	179.38	490.75	48.57	-172.48	491.99	-141.66	2.34
595	1/11/2021 10:52	1/11/2021 11:24	0:31:11	49.22	-169.88	492.32	-10.59	-55.17	487.76	-140.39	3.61
596	1/11/2021 11:25	1/11/2021 12:24	0:59:19	-13.06	-53.32	488.02	44.73	152.32	490.07	-139.28	4.72
597	1/11/2021 12:25	1/11/2021 12:56	0:30:49	46.51	156.90	490.88	-4.02	-83.82	487.37	-140.38	3.62
598	1/11/2021 12:56	1/11/2021 12:58	0:01:50	-5.52	-82.75	487.45	-11.01	-78.78	487.88	-141.43	2.57
599	1/11/2021 12:59	1/11/2021 13:54	0:54:40	-13.48	-76.92	488.15	34.62	111.23	486.02	-139.09	4.91
600	1/11/2021 13:54	1/11/2021 13:58	0:04:10	35.86	112.87	486.50	44.99	129.02	490.27	-140.72	3.28

Table 12 Departure GN 3 Mbps (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)
601	1/11/2021 13:59	1/11/2021 14:32	0:33:00	46.74	133.64	491.08	-10.92	-102.77	487.97	-140.39	3.61
602	1/11/2021 14:33	1/11/2021 15:28	0:54:40	-13.89	-100.54	488.30	34.97	87.75	486.11	-138.94	5.06
603	1/11/2021 15:28	1/11/2021 15:33	0:04:19	36.21	89.41	486.58	45.55	106.48	490.49	-140.75	3.25
604	1/11/2021 15:33	1/11/2021 16:07	0:33:01	46.97	110.38	491.15	-11.34	-126.39	488.06	-140.42	3.58
605	1/11/2021 16:07	1/11/2021 17:02	0:54:50	-13.81	-124.53	488.33	35.32	64.29	486.19	-138.94	5.06
606	1/11/2021 17:03	1/11/2021 17:07	0:04:20	36.55	65.96	486.66	45.80	83.19	490.56	-140.74	3.26
607	1/11/2021 17:08	1/11/2021 17:41	0:33:00	47.19	87.13	491.21	-11.75	-150.00	488.15	-140.43	3.57
608	1/11/2021 17:42	1/11/2021 18:36	0:54:49	-14.22	-148.14	488.43	35.67	40.82	486.28	-139.08	4.92
609	1/11/2021 18:37	1/11/2021 18:41	0:04:21	36.89	42.52	486.75	46.04	59.91	490.63	-140.73	3.27
610	1/11/2021 18:42	1/11/2021 19:15	0:33:00	47.41	63.89	491.28	-12.17	-173.62	488.20	-140.41	3.59
611	1/11/2021 19:16	1/11/2021 20:11	0:54:50	-14.63	-171.74	488.48	36.01	17.37	486.38	-139.24	4.76
612	1/11/2021 20:11	1/11/2021 20:16	0:04:29	37.23	19.08	486.85	46.57	37.43	490.85	-140.73	3.27
613	1/11/2021 20:17	1/11/2021 20:49	0:32:49	47.63	40.65	491.36	-12.09	162.40	488.18	-140.39	3.61
614	1/11/2021 20:50	1/11/2021 21:45	0:54:40	-15.05	164.65	488.53	35.95	-6.64	486.35	-139.18	4.82
615	1/11/2021 21:46	1/11/2021 21:50	0:04:29	37.57	-4.35	486.98	46.80	14.18	490.98	-140.73	3.27
616	1/11/2021 21:51	1/11/2021 22:24	0:32:49	47.84	17.43	491.49	-12.51	138.79	488.27	-140.40	3.60
617	1/11/2021 22:25	1/11/2021 23:19	0:54:39	-15.46	141.05	488.63	36.30	-30.09	486.50	-139.05	4.95
618	1/11/2021 23:20	1/11/2021 23:25	0:04:10	38.69	-26.59	487.46	47.03	-9.07	491.12	-140.72	3.28
619	1/11/2021 23:25	1/11/2021 23:58	0:32:59	47.80	-6.62	491.50	-12.93	115.18	488.33	-140.41	3.59
620	1/11/2021 23:59	1/12/2021 0:54	0:54:51	-15.39	117.07	488.63	36.64	-53.54	486.68	-138.96	5.04
621	1/12/2021 0:55	1/12/2021 1:32	0:37:40	39.02	-50.00	487.63	-13.35	91.57	488.31	-140.42	3.58
622	1/12/2021 1:33	1/12/2021 2:28	0:54:50	-15.80	93.46	488.62	36.98	-76.99	486.79	-138.97	5.03
623	1/12/2021 2:29	1/12/2021 3:07	0:37:41	39.34	-73.42	487.72	-13.76	67.95	488.24	-140.41	3.59
624	1/12/2021 3:08	1/12/2021 4:02	0:54:50	-16.21	69.86	488.56	37.32	-100.43	486.93	-139.02	4.98
625	1/12/2021 4:03	1/12/2021 4:41	0:37:40	39.66	-96.83	487.86	-14.17	44.34	488.22	-140.40	3.60
626	1/12/2021 4:42	1/12/2021 5:37	0:54:50	-16.62	46.26	488.56	37.66	-123.87	487.03	-139.10	4.90
627	1/12/2021 5:38	1/12/2021 6:15	0:37:30	39.98	-120.22	487.96	-14.10	20.36	488.22	-140.39	3.61
628	1/12/2021 6:16	1/12/2021 7:11	0:54:50	-17.04	22.66	488.62	37.99	-147.29	487.15	-139.22	4.78
629	1/12/2021 7:12	1/12/2021 7:49	0:37:40	39.92	-144.24	487.92	-14.52	-3.24	488.37	-140.40	3.60
630	1/12/2021 7:50	1/12/2021 8:45	0:55:01	-16.96	-1.32	488.71	38.33	-170.71	487.23	-139.19	4.81
631	1/12/2021 8:46	1/12/2021 9:24	0:37:39	40.24	-167.63	488.01	-14.93	-26.85	488.57	-140.42	3.58
632	1/12/2021 9:25	1/12/2021 10:20	0:55:01	-17.37	-24.92	488.92	38.66	165.88	487.19	-139.10	4.90
633	1/12/2021 10:21	1/12/2021 10:58	0:37:40	40.55	168.98	487.96	-15.35	-50.45	488.70	-140.42	3.58
634	1/12/2021 10:59	1/12/2021 11:54	0:55:00	-17.78	-48.51	489.05	38.98	142.46	487.19	-139.05	4.95
635	1/12/2021 11:55	1/12/2021 12:33	0:37:40	40.87	145.60	487.96	-15.76	-74.05	488.84	-140.41	3.59
636	1/12/2021 12:33	1/12/2021 13:28	0:55:10	-17.71	-72.49	489.13	39.31	119.06	487.38	-139.04	4.96
637	1/12/2021 13:29	1/12/2021 14:07	0:37:41	41.17	122.23	488.16	-16.17	-97.65	489.00	-140.41	3.59
638	1/12/2021 14:08	1/12/2021 15:03	0:55:09	-18.12	-96.09	489.29	39.63	95.65	487.47	-139.06	4.94
639	1/12/2021 15:03	1/12/2021 15:11	0:07:51	41.12	98.20	488.09	51.67	137.44	493.60	-140.49	3.51
640	1/12/2021 15:12	1/12/2021 15:41	0:29:20	51.77	140.39	493.79	-16.10	-121.64	489.02	-140.42	3.58
641	1/12/2021 15:42	1/12/2021 16:37	0:55:10	-18.53	-119.68	489.38	39.95	72.26	487.55	-139.13	4.87
642	1/12/2021 16:38	1/12/2021 17:15	0:37:41	41.42	74.83	488.17	-16.51	-145.24	489.13	-140.44	3.56
643	1/12/2021 17:16	1/12/2021 18:11	0:55:10	-18.93	-143.27	489.49	40.27	48.86	487.64	-139.26	4.74
644	1/12/2021 18:12	1/12/2021 18:50	0:37:40	41.73	51.46	488.26	-16.92	-168.83	489.19	-140.45	3.55
645	1/12/2021 18:50	1/12/2021 19:00	0:09:29	-18.86	-167.26	489.49	-43.19	-137.64	494.33	-139.21	4.79
646	1/12/2021 19:00	1/12/2021 19:46	0:45:20	-44.18	-135.51	494.51	40.58	25.48	487.74	-140.04	3.96
647	1/12/2021 19:46	1/12/2021 19:54	0:07:31	41.67	27.43	488.20	51.65	65.22	493.47	-141.04	2.96
648	1/12/2021 19:54	1/12/2021 20:24	0:29:50	51.76	68.16	493.65	-17.33	167.57	489.23	-140.44	3.56
649	1/12/2021 20:25	1/12/2021 20:34	0:09:29	-19.27	169.15	489.53	-43.47	-160.97	494.32	-139.12	4.88
650	1/12/2021 20:35	1/12/2021 21:20	0:45:20	-44.45	-158.82	494.50	40.90	2.10	487.88	-140.07	3.93
651	1/12/2021 21:20	1/12/2021 21:58	0:37:51	41.98	4.08	488.34	-17.75	143.98	489.34	-140.44	3.56
652	1/12/2021 21:59	1/12/2021 22:09	0:09:31	-19.68	145.57	489.64	-43.76	175.71	494.38	-139.04	4.96
653	1/12/2021 22:09	1/12/2021 22:54	0:45:20	-44.72	177.88	494.55	41.21	-21.27	488.03	-140.14	3.86
654	1/12/2021 22:55	1/12/2021 23:33	0:37:50	42.28	-19.27	488.50	-18.16	120.39	489.41	-140.44	3.56
655	1/12/2021 23:33	1/12/2021 23:43	0:09:40	-19.61	121.58	489.64	-44.03	152.39	494.47	-139.01	4.99
656	1/12/2021 23:43	1/13/2021 0:29	0:45:20	-44.98	154.58	494.64	41.51	-44.64	488.21	-140.22	3.78
657	1/13/2021 0:29	1/13/2021 1:07	0:37:40	42.57	-42.63	488.67	-18.09	96.40	489.35	-140.46	3.54
658	1/13/2021 1:07	1/13/2021 1:17	0:09:31	-20.02	98.00	489.66	-43.98	128.36	494.54	-139.03	4.97
659	1/13/2021 1:18	1/13/2021 2:10	0:52:20	-45.24	131.29	494.77	51.48	-33.03	493.24	-140.17	3.83
660	1/13/2021 2:11	1/13/2021 2:41	0:30:40	51.67	-30.11	493.44	-18.50	72.81	489.31	-140.48	3.52

Table 12 Departure GN 3 Mbps (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)
661	1/13/2021 2:42	1/13/2021 2:51	0:09:31	-20.42	74.41	489.63	-44.26	105.04	494.56	-139.21	4.79
662	1/13/2021 2:52	1/13/2021 3:44	0:52:21	-45.49	108.00	494.78	51.55	-56.14	493.28	-140.15	3.85
663	1/13/2021 3:45	1/13/2021 4:15	0:30:30	51.74	-52.23	493.53	-18.91	49.22	489.30	-140.47	3.53
664	1/13/2021 4:16	1/13/2021 4:26	0:09:30	-20.83	50.83	489.63	-44.53	81.73	494.54	-139.26	4.74
665	1/13/2021 4:26	1/13/2021 5:19	0:52:20	-45.75	84.72	494.76	51.60	-79.23	493.30	-140.17	3.83
666	1/13/2021 5:19	1/13/2021 5:50	0:30:39	51.74	-76.30	493.49	-19.32	25.63	489.37	-140.46	3.54
667	1/13/2021 5:51	1/13/2021 6:00	0:09:29	-21.24	27.26	489.70	-44.79	58.43	494.57	-139.18	4.82
668	1/13/2021 6:01	1/13/2021 6:53	0:52:10	-46.00	61.45	494.78	51.59	-103.30	493.31	-140.19	3.81
669	1/13/2021 6:53	1/13/2021 7:24	0:30:49	51.73	-100.36	493.50	-19.73	2.05	489.53	-140.46	3.54
670	1/13/2021 7:25	1/13/2021 7:34	0:09:39	-21.17	3.27	489.77	-45.06	35.14	494.66	-139.10	4.90
671	1/13/2021 7:35	1/13/2021 8:27	0:52:10	-46.24	38.18	494.86	51.64	-126.38	493.38	-140.24	3.76
672	1/13/2021 8:28	1/13/2021 8:59	0:30:51	51.76	-123.45	493.57	-20.14	-21.53	489.75	-140.47	3.53
673	1/13/2021 8:59	1/13/2021 9:08	0:09:29	-21.57	-20.30	490.00	-45.01	11.10	494.80	-139.04	4.96
674	1/13/2021 9:09	1/13/2021 10:01	0:52:10	-46.48	14.92	495.04	51.68	-149.48	493.29	-140.21	3.79
675	1/13/2021 10:02	1/13/2021 10:33	0:30:40	51.78	-146.53	493.48	-20.07	-45.51	489.81	-140.50	3.50
676	1/13/2021 10:33	1/13/2021 10:43	0:09:30	-21.98	-43.87	490.15	-45.27	-12.19	494.94	-139.12	4.88
677	1/13/2021 10:44	1/13/2021 12:07	1:23:21	-46.71	-8.33	495.17	-20.48	-69.09	489.97	-140.18	3.82
678	1/13/2021 12:08	1/13/2021 12:17	0:09:31	-22.38	-67.44	490.31	-45.53	-35.47	495.05	-139.39	4.61
679	1/13/2021 12:18	1/13/2021 13:41	1:23:20	-46.95	-31.58	495.27	-20.88	-92.67	490.14	-140.17	3.83
680	1/13/2021 13:42	1/13/2021 13:52	0:09:31	-22.78	-91.01	490.48	-45.78	-58.75	495.16	-139.33	4.67
681	1/13/2021 13:52	1/13/2021 15:16	1:23:30	-46.90	-55.63	495.33	-21.28	-116.25	490.23	-140.17	3.83
682	1/13/2021 15:16	1/13/2021 15:26	0:09:40	-22.71	-115.00	490.49	-46.02	-82.03	495.16	-139.29	4.71
683	1/13/2021 15:27	1/13/2021 16:50	1:23:29	-47.13	-78.87	495.32	-21.69	-139.82	490.35	-140.19	3.81
684	1/13/2021 16:50	1/13/2021 17:00	0:09:40	-23.11	-138.57	490.60	-46.27	-105.30	495.22	-139.25	4.75
685	1/13/2021 17:01	1/13/2021 18:24	1:23:19	-47.35	-102.11	495.37	-21.62	-163.81	490.34	-140.22	3.78
686	1/13/2021 18:25	1/13/2021 18:34	0:09:29	-23.51	-162.13	490.69	-46.22	-129.34	495.22	-139.28	4.72
687	1/13/2021 18:35	1/13/2021 19:58	1:23:20	-47.57	-125.35	495.40	-22.03	172.62	490.39	-140.17	3.83
688	1/13/2021 19:59	1/13/2021 20:09	0:09:29	-23.91	174.31	490.73	-46.47	-152.60	495.19	-139.44	4.56
689	1/13/2021 20:09	1/13/2021 21:33	1:23:20	-47.79	-148.57	495.36	-22.43	149.05	490.50	-140.14	3.86
690	1/13/2021 21:33	1/13/2021 21:43	0:09:30	-24.32	150.75	490.85	-46.70	-175.84	495.23	-139.46	4.54
691	1/13/2021 21:44	1/13/2021 23:07	1:23:21	-48.00	-171.78	495.38	-22.84	125.49	490.58	-140.13	3.87
692	1/13/2021 23:08	1/13/2021 23:17	0:09:40	-24.25	126.77	490.84	-46.93	160.91	495.30	-139.41	4.59
693	1/13/2021 23:18	1/14/2021 0:42	1:23:20	-48.20	165.01	495.45	-23.24	101.92	490.63	-140.14	3.86
694	1/14/2021 0:42	1/14/2021 0:52	0:09:41	-24.65	103.21	490.90	-47.16	137.67	495.43	-139.39	4.61
695	1/14/2021 0:52	1/14/2021 2:16	1:23:21	-48.16	140.96	495.56	-23.17	77.93	490.53	-140.21	3.79
696	1/14/2021 2:16	1/14/2021 2:26	0:09:40	-25.05	79.65	490.89	-47.38	114.43	495.45	-139.40	4.60
697	1/14/2021 2:27	1/14/2021 3:50	1:23:20	-48.36	117.76	495.57	-23.57	54.37	490.53	-140.15	3.85
698	1/14/2021 3:51	1/14/2021 4:00	0:09:30	-25.44	56.10	490.90	-47.35	90.39	495.37	-139.51	4.49
699	1/14/2021 4:01	1/14/2021 5:24	1:23:19	-48.56	94.56	495.52	-23.98	30.81	490.60	-140.11	3.89
700	1/14/2021 5:25	1/14/2021 5:34	0:09:29	-25.84	32.56	490.97	-47.57	67.16	495.38	-139.53	4.47
701	1/14/2021 5:35	1/14/2021 6:59	1:23:20	-48.75	71.36	495.52	-24.38	7.25	490.75	-140.10	3.90
702	1/14/2021 6:59	1/14/2021 7:09	0:09:39	-25.77	8.57	491.03	-47.78	43.94	495.44	-139.48	4.52
703	1/14/2021 7:10	1/14/2021 8:33	1:23:21	-48.94	48.18	495.55	-24.78	-16.30	490.98	-140.12	3.88
704	1/14/2021 8:34	1/14/2021 8:43	0:09:40	-26.17	-14.97	491.26	-47.99	20.73	495.60	-139.45	4.55
705	1/14/2021 8:44	1/14/2021 10:07	1:23:10	-49.12	25.00	495.71	-24.71	-40.29	491.06	-140.18	3.82
706	1/14/2021 10:08	1/14/2021 10:18	0:09:40	-26.57	-38.51	491.43	-48.20	-2.48	495.72	-139.46	4.54
707	1/14/2021 10:18	1/14/2021 11:42	1:23:21	-49.09	0.95	495.80	-25.11	-63.83	491.22	-140.12	3.88
708	1/14/2021 11:42	1/14/2021 11:52	0:09:31	-26.96	-62.05	491.59	-48.16	-26.52	495.78	-139.56	4.44
709	1/14/2021 11:53	1/14/2021 13:16	1:23:20	-49.26	-22.22	495.87	-25.51	-87.38	491.40	-140.09	3.91
710	1/14/2021 13:16	1/14/2021 13:26	0:09:31	-27.35	-85.59	491.77	-48.36	-49.73	495.86	-139.54	4.46
711	1/14/2021 13:27	1/14/2021 14:50	1:23:19	-49.43	-45.40	495.94	-25.90	-110.93	491.49	-140.08	3.92
712	1/14/2021 14:51	1/14/2021 15:00	0:09:41	-27.28	-109.58	491.77	-48.56	-72.93	495.84	-139.49	4.51
713	1/14/2021 15:01	1/14/2021 16:24	1:23:19	-49.60	-68.57	495.90	-26.30	-134.48	491.61	-140.11	3.89
714	1/14/2021 16:25	1/14/2021 16:35	0:09:40	-27.67	-133.12	491.88	-48.75	-96.13	495.86	-139.44	4.56
715	1/14/2021 16:35	1/14/2021 17:59	1:23:10	-49.76	-91.73	495.91	-26.23	-158.47	491.61	-140.17	3.83
716	1/14/2021 17:59	1/14/2021 18:09	0:09:39	-28.06	-156.65	491.98	-48.93	-119.31	495.89	-139.44	4.56
717	1/14/2021 18:10	1/14/2021 19:33	1:23:19	-49.73	-115.79	495.92	-26.63	177.99	491.65	-140.11	3.89
718	1/14/2021 19:34	1/14/2021 19:43	0:09:29	-28.45	179.83	492.02	-48.90	-143.36	495.81	-139.55	4.45
719	1/14/2021 19:44	1/14/2021 21:07	1:23:20	-49.89	-138.94	495.84	-27.02	154.46	491.76	-140.09	3.91
720	1/14/2021 21:08	1/14/2021 21:17	0:09:30	-28.84	156.31	492.13	-49.09	-166.53	495.82	-139.50	4.50

Table 12 Departure GN 3 Mbps (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)
721	1/14/2021 21:18	1/14/2021 22:42	1:23:21	-50.04	-162.08	495.84	-27.42	130.93	491.86	-140.09	3.91
722	1/14/2021 22:42	1/14/2021 22:52	0:09:40	-28.78	132.32	492.13	-49.26	170.30	495.87	-139.42	4.58
723	1/14/2021 22:53	1/15/2021 0:16	1:23:20	-50.18	174.78	495.88	-27.81	107.40	491.93	-140.14	3.86
724	1/15/2021 0:16	1/15/2021 0:26	0:09:41	-29.17	108.80	492.22	-49.43	147.13	496.01	-139.35	4.65
725	1/15/2021 0:27	1/15/2021 1:50	1:23:21	-50.16	150.73	496.02	-27.75	83.40	491.84	-140.16	3.84
726	1/15/2021 1:51	1/15/2021 2:00	0:09:31	-29.55	85.28	492.23	-49.41	123.07	496.01	-139.37	4.63
727	1/15/2021 2:01	1/15/2021 3:25	1:23:20	-50.30	127.59	496.02	-28.14	59.87	491.85	-140.12	3.88
728	1/15/2021 3:25	1/15/2021 3:35	0:09:31	-29.94	61.77	492.23	-49.57	99.91	495.95	-139.48	4.52
729	1/15/2021 3:36	1/15/2021 4:59	1:23:19	-50.43	104.45	495.95	-28.53	36.35	491.92	-140.11	3.89
730	1/15/2021 5:00	1/15/2021 5:09	0:09:29	-30.32	38.26	492.31	-49.74	76.76	495.93	-139.38	4.62
731	1/15/2021 5:10	1/15/2021 6:33	1:23:29	-50.41	80.40	495.93	-28.92	12.83	492.07	-140.13	3.87
732	1/15/2021 6:34	1/15/2021 6:43	0:09:39	-30.26	14.27	492.35	-49.89	53.61	495.95	-139.27	4.73
733	1/15/2021 6:44	1/15/2021 8:07	1:23:19	-50.54	57.27	495.93	-28.85	-11.16	492.20	-140.19	3.81
734	1/15/2021 8:08	1/15/2021 8:17	0:09:29	-30.64	-9.24	492.59	-49.87	29.56	496.08	-139.18	4.82
735	1/15/2021 8:18	1/15/2021 9:42	1:23:20	-50.66	34.15	496.05	-29.24	-34.67	492.39	-140.14	3.86
736	1/15/2021 9:42	1/15/2021 9:52	0:09:29	-31.02	-32.74	492.77	-50.02	6.41	496.18	-139.37	4.63
737	1/15/2021 9:53	1/15/2021 11:16	1:23:21	-50.78	11.03	496.14	-29.63	-58.18	492.54	-140.11	3.89
738	1/15/2021 11:17	1/15/2021 11:26	0:09:31	-31.40	-56.23	492.93	-50.16	-16.72	496.23	-139.33	4.67
739	1/15/2021 11:27	1/15/2021 12:50	1:23:31	-50.76	-13.02	496.19	-30.01	-81.70	492.73	-140.13	3.87
740	1/15/2021 12:51	1/15/2021 13:01	0:09:40	-31.34	-80.23	493.02	-50.30	-39.86	496.29	-139.20	4.80
741	1/15/2021 13:01	1/15/2021 13:53	0:52:10	-50.87	-36.14	496.24	50.63	161.64	493.51	-140.17	3.83
742	1/15/2021 13:54	1/15/2021 14:25	0:30:41	50.17	164.41	493.55	-29.95	-105.69	492.72	-140.52	3.48
743	1/15/2021 14:25	1/15/2021 14:35	0:09:30	-31.71	-103.73	493.10	-50.28	-63.92	496.24	-139.05	4.95
744	1/15/2021 14:35	1/15/2021 15:28	0:52:10	-50.97	-59.26	496.17	50.51	138.52	493.51	-140.13	3.87
745	1/15/2021 15:28	1/15/2021 15:59	0:30:40	50.03	141.27	493.55	-30.33	-129.20	492.83	-140.54	3.46
746	1/15/2021 15:59	1/15/2021 16:09	0:09:31	-32.09	-127.22	493.20	-50.41	-87.06	496.23	-139.22	4.78
747	1/15/2021 16:10	1/15/2021 17:02	0:52:21	-50.96	-83.32	496.17	50.38	115.39	493.50	-140.09	3.91
748	1/15/2021 17:03	1/15/2021 17:33	0:30:40	49.88	118.13	493.54	-30.71	-152.71	492.93	-140.52	3.48
749	1/15/2021 17:34	1/15/2021 17:43	0:09:30	-32.46	-150.71	493.30	-50.54	-110.18	496.24	-139.30	4.70
750	1/15/2021 17:44	1/15/2021 18:29	0:45:11	-51.06	-106.42	496.16	49.27	51.26	490.51	-140.09	3.91
751	1/15/2021 18:30	1/15/2021 18:36	0:06:41	49.84	53.93	490.86	50.24	92.26	493.45	-141.23	2.77
752	1/15/2021 18:37	1/15/2021 19:07	0:30:30	49.54	95.88	493.49	-31.10	-176.21	492.97	-140.50	3.50
753	1/15/2021 19:08	1/15/2021 19:18	0:09:29	-32.84	-174.19	493.34	-50.67	-133.30	496.15	-139.15	4.85
754	1/15/2021 19:18	1/15/2021 20:03	0:45:09	-51.16	-129.52	496.06	49.44	28.10	490.63	-140.12	3.88
755	1/15/2021 20:04	1/15/2021 20:11	0:06:31	50.00	30.80	490.98	50.26	68.22	493.48	-141.09	2.91
756	1/15/2021 20:11	1/15/2021 20:42	0:30:40	49.75	70.94	493.51	-31.04	159.81	492.98	-140.50	3.50
757	1/15/2021 20:42	1/15/2021 20:52	0:09:30	-32.78	161.82	493.35	-50.65	-157.35	496.15	-139.06	4.94
758	1/15/2021 20:53	1/15/2021 21:38	0:45:19	-51.14	-153.57	496.06	49.61	4.95	490.77	-140.10	3.90
759	1/15/2021 21:38	1/15/2021 22:16	0:37:40	50.14	7.67	491.11	-31.42	136.31	493.08	-140.52	3.48
760	1/15/2021 22:17	1/15/2021 22:26	0:09:29	-33.15	138.34	493.44	-50.76	179.54	496.17	-139.27	4.73
761	1/15/2021 22:27	1/15/2021 23:12	0:45:09	-51.23	-176.67	496.08	49.58	-19.10	490.79	-140.01	3.99
762	1/15/2021 23:13	1/15/2021 23:50	0:37:39	50.28	-15.47	491.24	-31.80	112.82	493.18	-140.51	3.49
763	1/15/2021 23:51	1/16/2021 0:00	0:09:29	-33.52	114.87	493.55	-50.87	156.42	496.30	-139.25	4.75
764	1/16/2021 0:01	1/16/2021 0:46	0:45:09	-51.31	160.23	496.20	49.74	-42.26	490.77	-140.00	4.00
765	1/16/2021 0:47	1/16/2021 1:25	0:37:40	50.41	-38.61	491.21	-32.17	89.33	493.20	-140.49	3.51
766	1/16/2021 1:25	1/16/2021 1:35	0:09:31	-33.89	91.40	493.58	-50.98	133.31	496.31	-139.11	4.89
767	1/16/2021 1:35	1/16/2021 2:20	0:45:09	-51.30	136.18	496.24	49.72	-66.31	490.72	-140.02	3.98
768	1/16/2021 2:21	1/16/2021 2:59	0:37:20	50.69	-60.81	491.36	-32.12	65.33	493.11	-140.49	3.51
769	1/16/2021 3:00	1/16/2021 3:09	0:09:31	-34.26	67.93	493.59	-51.08	110.21	496.22	-139.14	4.86
770	1/16/2021 3:10	1/16/2021 3:55	0:45:09	-51.38	113.08	496.14	49.88	-89.46	490.79	-140.08	3.92
771	1/16/2021 3:56	1/16/2021 4:33	0:37:31	50.67	-84.85	491.31	-32.49	41.85	493.18	-140.50	3.50
772	1/16/2021 4:34	1/16/2021 4:43	0:09:20	-34.62	44.47	493.65	-51.07	86.16	496.20	-139.34	4.66
773	1/16/2021 4:44	1/16/2021 5:29	0:45:09	-51.37	89.03	496.12	49.85	-113.49	490.76	-139.95	4.05
774	1/16/2021 5:30	1/16/2021 6:08	0:37:30	50.79	-107.96	491.39	-32.87	18.37	493.31	-140.49	3.51
775	1/16/2021 6:08	1/16/2021 6:18	0:09:20	-34.99	21.02	493.78	-51.16	63.06	496.18	-139.17	4.83
776	1/16/2021 6:18	1/16/2021 7:03	0:45:09	-51.44	65.95	496.09	50.01	-136.63	490.87	-139.83	4.17
777	1/16/2021 7:04	1/16/2021 7:42	0:37:29	50.90	-131.06	491.49	-33.24	-5.11	493.54	-140.48	3.52
778	1/16/2021 7:43	1/16/2021 8:38	0:55:10	-34.93	-2.98	493.91	50.15	-159.76	490.83	-139.12	4.88
779	1/16/2021 8:39	1/16/2021 9:16	0:37:30	50.88	-155.11	491.35	-33.18	-29.10	493.64	-140.47	3.53
780	1/16/2021 9:17	1/16/2021 10:12	0:54:59	-35.29	-26.43	494.11	50.13	176.20	490.63	-139.26	4.74

Table 12 Departure GN 3 Mbps (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)
781	1/16/2021 10:13	1/16/2021 10:50	0:37:29	50.99	-178.21	491.25	-33.56	-52.57	493.79	-140.50	3.50
782	1/16/2021 10:51	1/16/2021 11:46	0:55:01	-35.65	-49.87	494.25	50.27	153.07	490.83	-139.24	4.76
783	1/16/2021 11:47	1/16/2021 12:25	0:37:39	50.97	157.74	491.35	-33.92	-76.04	493.98	-140.50	3.50
784	1/16/2021 12:25	1/16/2021 13:20	0:54:50	-36.01	-73.32	494.43	50.25	129.02	490.80	-139.12	4.88
785	1/16/2021 13:21	1/16/2021 13:59	0:37:29	51.07	134.64	491.42	-33.86	-100.04	493.96	-140.48	3.52
786	1/16/2021 14:00	1/16/2021 14:55	0:54:51	-36.36	-96.76	494.50	50.39	105.89	490.85	-139.20	4.80
787	1/16/2021 14:56	1/16/2021 15:33	0:37:29	51.17	111.54	491.46	-34.23	-123.50	494.06	-140.49	3.51
788	1/16/2021 15:34	1/16/2021 16:29	0:54:39	-36.71	-120.20	494.59	50.37	81.85	490.81	-139.30	4.70
789	1/16/2021 16:30	1/16/2021 17:08	0:37:40	51.15	87.49	491.42	-34.60	-146.96	494.16	-140.50	3.50
790	1/16/2021 17:08	1/16/2021 18:03	0:54:51	-36.66	-144.20	494.60	50.50	58.73	490.85	-139.12	4.88
791	1/16/2021 18:04	1/16/2021 18:42	0:37:40	51.24	64.40	491.45	-34.96	-170.42	494.19	-140.50	3.50
792	1/16/2021 18:43	1/16/2021 19:38	0:54:50	-37.01	-167.62	494.62	50.63	35.62	490.96	-139.14	4.86
793	1/16/2021 19:38	1/16/2021 20:16	0:37:31	51.33	41.32	491.55	-34.91	165.59	494.20	-140.48	3.52
794	1/16/2021 20:17	1/16/2021 21:12	0:54:40	-37.36	168.96	494.71	50.61	11.58	490.99	-139.34	4.66
795	1/16/2021 21:13	1/16/2021 21:50	0:37:41	51.31	17.27	491.58	-35.27	142.14	494.29	-140.49	3.51
796	1/16/2021 21:51	1/16/2021 22:46	0:54:41	-37.71	145.54	494.80	50.73	-11.53	491.12	-139.10	4.90
797	1/16/2021 22:47	1/16/2021 22:51	0:04:10	51.39	-5.82	491.69	50.74	18.48	493.14	-140.79	3.21
798	1/16/2021 22:52	1/16/2021 23:25	0:33:01	50.30	21.27	493.21	-35.63	118.70	494.41	-140.52	3.48
799	1/16/2021 23:26	1/17/2021 0:20	0:54:49	-37.65	121.54	494.84	50.84	-34.65	491.07	-139.07	4.93
800	1/17/2021 0:21	1/17/2021 0:25	0:04:01	51.46	-28.91	491.63	50.76	-5.57	492.97	-140.79	3.21
801	1/17/2021 0:26	1/17/2021 0:59	0:33:00	50.16	-1.87	493.05	-35.99	95.25	494.44	-140.49	3.51
802	1/17/2021 1:00	1/17/2021 1:55	0:54:41	-38.00	98.13	494.88	50.82	-58.71	491.01	-139.37	4.63
803	1/17/2021 1:55	1/17/2021 2:00	0:04:01	51.45	-52.97	491.57	50.78	-29.63	492.89	-140.79	3.21
804	1/17/2021 2:00	1/17/2021 2:33	0:32:50	50.02	-25.00	492.99	-35.94	71.26	494.36	-140.48	3.52
805	1/17/2021 2:34	1/17/2021 3:29	0:54:40	-38.34	74.72	494.88	50.94	-81.81	491.07	-139.13	4.87
806	1/17/2021 3:30	1/17/2021 3:34	0:04:10	51.36	-77.98	491.44	50.79	-53.67	492.86	-140.82	3.18
807	1/17/2021 3:35	1/17/2021 4:07	0:32:49	49.86	-48.13	492.97	-36.30	47.82	494.42	-140.51	3.49
808	1/17/2021 4:09	1/17/2021 5:03	0:54:39	-38.68	51.32	494.94	51.04	-104.90	491.13	-138.97	5.03
809	1/17/2021 5:04	1/17/2021 5:08	0:04:20	51.35	-102.02	491.41	50.68	-76.77	492.87	-140.78	3.22
810	1/17/2021 5:09	1/17/2021 5:42	0:32:59	49.89	-72.17	492.96	-36.65	24.39	494.54	-140.51	3.49
811	1/17/2021 5:43	1/17/2021 6:37	0:54:40	-38.63	27.32	494.96	51.03	-128.94	491.14	-139.39	4.61
812	1/17/2021 6:38	1/17/2021 6:42	0:04:20	51.33	-126.06	491.42	50.69	-100.81	492.91	-140.78	3.22
813	1/17/2021 6:43	1/17/2021 7:14	0:30:39	49.73	-95.30	493.02	-31.09	-6.49	493.45	-140.49	3.51
814	1/17/2021 7:14	1/17/2021 7:16	0:01:40	-32.40	-4.98	493.74	-36.60	0.40	494.67	-141.55	2.45
815	1/17/2021 7:17	1/17/2021 8:12	0:54:39	-38.97	3.92	495.17	51.12	-152.03	491.10	-139.26	4.74
816	1/17/2021 8:12	1/17/2021 8:16	0:04:10	51.41	-149.14	491.38	50.71	-124.85	492.82	-140.80	3.20
817	1/17/2021 8:17	1/17/2021 8:50	0:32:59	49.75	-119.34	492.93	-36.95	-23.03	494.87	-140.50	3.50
818	1/17/2021 8:51	1/17/2021 9:50	0:59:09	-39.31	-19.47	495.37	50.73	-148.88	492.64	-139.19	4.81
819	1/17/2021 9:51	1/17/2021 10:25	0:33:11	49.77	-143.37	492.76	-37.30	-46.45	495.00	-140.54	3.46
820	1/17/2021 10:26	1/17/2021 11:25	0:59:10	-39.26	-43.47	495.41	50.74	-172.92	492.76	-139.56	4.44
821	1/17/2021 11:26	1/17/2021 11:27	0:01:40	49.79	-167.41	492.89	47.61	-158.79	492.91	-141.62	2.38
822	1/17/2021 11:28	1/17/2021 11:57	0:28:50	46.82	-156.36	492.87	-31.80	-77.45	493.90	-140.49	3.51
823	1/17/2021 11:57	1/17/2021 11:59	0:01:51	-33.10	-75.92	494.19	-37.65	-69.86	495.18	-141.41	2.59
824	1/17/2021 12:00	1/17/2021 12:59	0:59:09	-39.59	-66.86	495.59	50.62	163.96	492.80	-139.47	4.53
825	1/17/2021 13:00	1/17/2021 13:01	0:01:40	49.81	168.55	492.90	47.64	177.18	492.93	-141.41	2.59
826	1/17/2021 13:02	1/17/2021 13:31	0:29:01	46.86	179.61	492.90	-32.18	-100.94	493.99	-140.49	3.51
827	1/17/2021 13:32	1/17/2021 13:33	0:01:40	-33.47	-99.39	494.27	-37.60	-93.87	495.16	-141.42	2.58
828	1/17/2021 13:34	1/17/2021 14:32	0:58:19	-39.92	-90.24	495.64	51.14	136.14	492.65	-139.50	4.50
829	1/17/2021 14:33	1/17/2021 14:33	0:00:00	50.64	139.92	492.78	50.64	139.92	492.78	-143.94	0.06
830	1/17/2021 14:34	1/17/2021 14:36	0:01:49	49.84	144.51	492.89	47.42	153.97	492.92	-141.27	2.73
831	1/17/2021 14:36	1/17/2021 15:08	0:31:11	46.62	156.38	492.89	-37.94	-117.28	495.24	-140.54	3.46
832	1/17/2021 15:08	1/17/2021 16:07	0:58:21	-40.24	-113.62	495.71	51.04	113.05	492.66	-139.81	4.19
833	1/17/2021 16:08	1/17/2021 16:10	0:02:10	50.04	119.57	492.85	47.19	130.76	492.90	-141.38	2.62
834	1/17/2021 16:11	1/17/2021 16:42	0:31:09	46.38	133.14	492.86	-38.29	-140.69	495.34	-140.51	3.49
835	1/17/2021 16:43	1/17/2021 16:46	0:03:41	-40.20	-137.63	495.72	-47.27	-121.82	496.87	-139.70	4.30
836	1/17/2021 16:47	1/17/2021 17:41	0:54:09	-48.02	-119.36	496.94	51.06	89.01	492.59	-140.55	3.45
837	1/17/2021 17:42	1/17/2021 17:44	0:02:10	50.06	95.53	492.79	47.23	106.73	492.84	-141.47	2.53
838	1/17/2021 17:45	1/17/2021 18:14	0:28:50	46.13	109.90	492.78	-32.88	-171.88	494.13	-140.47	3.53
839	1/17/2021 18:14	1/17/2021 18:16	0:01:49	-34.16	-170.31	494.41	-38.63	-164.09	495.35	-141.33	2.67
840	1/17/2021 18:17	1/17/2021 19:15	0:58:21	-40.52	-160.99	495.73	50.95	65.92	492.64	-139.78	4.22

Table 12 Departure GN 3 Mbps (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)
841	1/17/2021 19:16	1/17/2021 19:19	0:02:30	50.25	70.59	492.78	46.99	83.52	492.85	-141.70	2.30
842	1/17/2021 19:19	1/17/2021 19:48	0:29:00	46.16	85.89	492.80	-33.26	164.65	494.24	-140.53	3.47
843	1/17/2021 19:49	1/17/2021 19:50	0:01:50	-34.53	166.24	494.51	-38.97	172.52	495.44	-141.23	2.77
844	1/17/2021 19:51	1/17/2021 20:49	0:58:10	-40.85	175.65	495.81	50.97	41.88	492.69	-140.02	3.98
845	1/17/2021 20:50	1/17/2021 20:53	0:02:30	50.26	46.55	492.83	47.02	59.50	492.91	-141.94	2.06
846	1/17/2021 20:54	1/17/2021 21:25	0:31:09	45.91	62.64	492.84	-38.92	148.52	495.44	-140.52	3.48
847	1/17/2021 21:25	1/17/2021 21:29	0:03:41	-40.80	151.65	495.81	-47.68	167.74	496.87	-139.91	4.09
848	1/17/2021 21:30	1/17/2021 22:24	0:54:11	-48.41	170.25	496.92	50.86	18.79	492.74	-140.55	3.45
849	1/17/2021 22:25	1/17/2021 22:27	0:02:29	50.12	23.43	492.87	46.79	36.27	492.90	-142.21	1.79
850	1/17/2021 22:28	1/17/2021 22:57	0:28:51	45.65	39.39	492.83	-33.58	117.20	494.35	-140.46	3.54
851	1/17/2021 22:57	1/17/2021 22:59	0:01:50	-34.85	118.79	494.63	-39.26	125.13	495.57	-141.27	2.73
852	1/17/2021 23:00	1/17/2021 23:33	0:33:00	-41.12	128.29	495.95	2.27	-101.71	476.80	-140.08	3.92
853	1/17/2021 23:33	1/17/2021 23:58	0:24:40	3.78	-100.65	476.79	50.87	-5.27	492.57	-140.59	3.41
854	1/17/2021 23:59	1/18/2021 0:01	0:02:30	50.14	-0.62	492.70	46.82	12.24	492.72	-142.32	1.68
855	1/18/2021 0:02	1/18/2021 0:31	0:28:50	45.39	16.12	492.62	-33.96	93.73	494.39	-140.52	3.48
856	1/18/2021 0:31	1/18/2021 0:33	0:01:51	-35.21	95.35	494.67	-39.59	101.75	495.62	-141.34	2.66
857	1/18/2021 0:34	1/18/2021 0:38	0:03:41	-41.08	104.28	495.93	-47.87	120.51	497.02	-140.17	3.83
858	1/18/2021 0:38	1/18/2021 1:32	0:54:11	-48.58	123.04	497.08	50.76	-28.37	492.52	-140.46	3.54
859	1/18/2021 1:33	1/18/2021 1:36	0:02:30	49.99	-23.75	492.63	46.58	-10.99	492.61	-142.23	1.77
860	1/18/2021 1:36	1/18/2021 1:39	0:02:40	45.43	-7.90	492.52	39.99	3.14	491.92	-141.66	2.34
861	1/18/2021 1:40	1/18/2021 2:05	0:25:49	38.84	4.99	491.77	-34.33	70.27	494.40	-140.52	3.48
862	1/18/2021 2:06	1/18/2021 2:08	0:01:50	-35.58	71.90	494.68	-39.92	78.37	495.62	-141.22	2.78
863	1/18/2021 2:08	1/18/2021 3:06	0:58:10	-41.39	80.93	495.92	50.78	-52.41	492.48	-140.13	3.87
864	1/18/2021 3:07	1/18/2021 3:10	0:02:30	50.02	-47.79	492.60	46.62	-35.01	492.59	-141.99	2.01
865	1/18/2021 3:11	1/18/2021 3:39	0:28:50	45.16	-31.17	492.48	-34.28	46.28	494.37	-140.47	3.53
866	1/18/2021 3:40	1/18/2021 3:42	0:01:51	-35.53	47.91	494.65	-39.88	54.37	495.59	-141.32	2.68
867	1/18/2021 3:42	1/18/2021 4:40	0:57:40	-41.35	56.93	495.89	51.15	-79.29	492.36	-140.39	3.61
868	1/18/2021 4:42	1/18/2021 4:44	0:02:30	49.86	-70.91	492.59	46.37	-58.24	492.56	-141.80	2.20
869	1/18/2021 4:45	1/18/2021 4:47	0:02:29	44.89	-54.43	492.45	39.70	-44.23	491.87	-141.51	2.49
870	1/18/2021 4:48	1/18/2021 5:14	0:25:49	38.55	-42.40	491.72	-34.65	22.83	494.49	-140.51	3.49
871	1/18/2021 5:14	1/18/2021 5:16	0:01:50	-35.89	24.48	494.77	-40.21	31.00	495.69	-141.34	2.66
872	1/18/2021 5:17	1/18/2021 5:20	0:03:39	-41.67	33.58	495.98	-48.27	50.11	496.98	-140.27	3.73
873	1/18/2021 5:21	1/18/2021 5:50	0:29:01	-48.94	52.68	497.02	3.54	163.48	476.73	-141.09	2.91
874	1/18/2021 5:51	1/18/2021 6:14	0:23:59	5.04	164.55	476.75	51.05	-102.37	492.44	-140.39	3.61
875	1/18/2021 6:16	1/18/2021 6:19	0:02:50	49.88	-94.94	492.64	45.83	-80.70	492.58	-141.79	2.21
876	1/18/2021 6:19	1/18/2021 6:22	0:02:41	44.93	-78.44	492.51	39.37	-67.61	491.89	-141.50	2.50
877	1/18/2021 6:22	1/18/2021 6:48	0:25:39	38.20	-65.79	491.74	-34.60	-1.16	494.61	-140.51	3.49
878	1/18/2021 6:49	1/18/2021 6:50	0:01:49	-36.25	1.04	494.98	-40.53	7.63	495.89	-141.35	2.65
879	1/18/2021 6:51	1/18/2021 7:24	0:33:10	-41.98	10.24	496.17	3.98	139.87	476.63	-140.41	3.59
880	1/18/2021 7:25	1/18/2021 7:49	0:23:49	5.48	140.94	476.65	51.06	-126.40	492.35	-140.52	3.48
881	1/18/2021 7:50	1/18/2021 7:56	0:06:11	49.90	-118.97	492.56	39.03	-90.99	491.81	-141.44	2.56
882	1/18/2021 7:57	1/18/2021 8:22	0:25:39	37.86	-89.20	491.66	-34.96	-24.61	494.83	-140.48	3.52
883	1/18/2021 8:23	1/18/2021 8:25	0:01:50	-36.20	-22.95	495.10	-40.49	-16.37	496.01	-141.39	2.61
884	1/18/2021 8:25	1/18/2021 8:29	0:03:40	-41.94	-13.76	496.30	-48.44	2.90	497.24	-140.41	3.59
885	1/18/2021 8:29	1/18/2021 9:23	0:53:30	-49.10	5.49	497.28	50.96	-149.49	492.20	-140.30	3.70
886	1/18/2021 9:24	1/18/2021 9:30	0:06:09	49.74	-142.09	492.40	38.68	-114.38	491.66	-141.44	2.56
887	1/18/2021 9:31	1/18/2021 9:57	0:25:41	37.50	-112.60	491.51	-35.33	-48.04	494.96	-140.50	3.50
888	1/18/2021 9:57	1/18/2021 9:59	0:01:49	-36.56	-46.37	495.23	-40.82	-39.73	496.12	-141.35	2.65
889	1/18/2021 10:00	1/18/2021 10:57	0:57:40	-42.25	-37.09	496.40	50.85	-172.58	492.34	-140.33	3.67
890	1/18/2021 10:58	1/18/2021 11:05	0:06:20	49.76	-166.12	492.51	38.34	-137.77	491.73	-141.45	2.55
891	1/18/2021 11:06	1/18/2021 11:31	0:25:19	36.75	-135.44	491.53	-35.28	-72.04	495.07	-140.49	3.51
892	1/18/2021 11:31	1/18/2021 11:33	0:01:50	-36.92	-69.80	495.42	-41.13	-63.08	496.30	-141.45	2.55
893	1/18/2021 11:34	1/18/2021 11:37	0:03:39	-42.20	-61.10	496.50	-48.61	-44.30	497.39	-140.55	3.45
894	1/18/2021 11:38	1/18/2021 11:47	0:09:11	-49.25	-41.70	497.41	-47.80	9.75	493.12	-141.84	2.16
895	1/18/2021 11:48	1/18/2021 11:52	0:04:31	-47.02	12.20	492.65	-37.91	30.90	487.77	-142.99	1.01
896	1/18/2021 11:53	1/18/2021 12:07	0:14:29	-36.71	32.64	487.19	4.80	68.68	476.47	-141.17	2.83
897	1/18/2021 12:08	1/18/2021 12:32	0:24:01	6.30	69.75	476.50	50.74	164.32	492.38	-140.63	3.37
898	1/18/2021 12:33	1/18/2021 12:39	0:06:30	49.78	169.84	492.53	38.00	-161.18	491.74	-141.43	2.57
899	1/18/2021 12:40	1/18/2021 13:05	0:25:20	36.39	-158.87	491.54	-35.64	-95.48	495.14	-140.43	3.57
900	1/18/2021 13:06	1/18/2021 13:07	0:01:40	-37.27	-93.22	495.49	-41.09	-87.09	496.28	-141.33	2.67

Table 12 Departure GN 3 Mbps (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)
901	1/18/2021 13:08	1/18/2021 13:27	0:18:20	-42.50	-84.43	496.54	-37.56	7.49	487.51	-140.34	3.66
902	1/18/2021 13:27	1/18/2021 13:41	0:14:30	-36.35	9.21	486.93	5.24	45.07	476.41	-141.15	2.85
903	1/18/2021 13:42	1/18/2021 14:06	0:23:51	6.74	46.14	476.46	50.75	140.28	492.37	-140.60	3.40
904	1/18/2021 14:07	1/18/2021 14:14	0:06:40	49.81	145.81	492.52	37.65	175.41	491.71	-141.41	2.59
905	1/18/2021 14:14	1/18/2021 14:40	0:25:21	36.03	177.70	491.51	-36.00	-118.92	495.22	-140.43	3.57
906	1/18/2021 14:40	1/18/2021 14:42	0:01:50	-37.22	-117.22	495.48	-41.41	-110.44	496.33	-141.36	2.64
907	1/18/2021 14:42	1/18/2021 14:46	0:03:39	-42.46	-108.44	496.53	-48.78	-91.50	497.35	-140.42	3.58
908	1/18/2021 14:46	1/18/2021 15:01	0:14:20	-49.40	-88.88	497.36	-37.21	-15.92	487.29	-141.88	2.12
909	1/18/2021 15:01	1/18/2021 15:40	0:38:51	-35.99	-14.22	486.71	50.63	117.18	492.38	-140.57	3.43
910	1/18/2021 15:41	1/18/2021 15:48	0:06:50	49.83	121.78	492.50	37.30	152.00	491.66	-141.09	2.91
911	1/18/2021 15:48	1/18/2021 16:14	0:25:21	36.08	153.71	491.51	-35.95	-142.91	495.24	-140.43	3.57
912	1/18/2021 16:14	1/18/2021 16:16	0:01:40	-37.57	-140.63	495.58	-41.36	-134.45	496.35	-141.36	2.64
913	1/18/2021 16:17	1/18/2021 16:30	0:13:19	-42.77	-131.77	496.61	-47.39	-60.68	492.75	-140.41	3.59
914	1/18/2021 16:30	1/18/2021 16:35	0:04:40	-46.58	-58.28	492.27	-36.86	-39.34	487.11	-143.01	0.99
915	1/18/2021 16:36	1/18/2021 16:44	0:08:30	-35.63	-37.65	486.53	-11.94	-15.05	478.09	-141.80	2.20
916	1/18/2021 16:45	1/18/2021 17:15	0:29:50	-10.45	-13.94	477.78	50.51	94.08	492.34	-140.75	3.25
917	1/18/2021 17:15	1/18/2021 17:48	0:32:50	49.85	97.75	492.43	-36.32	-166.34	495.27	-140.38	3.62
918	1/18/2021 17:49	1/18/2021 17:50	0:01:39	-37.92	-164.03	495.61	-41.68	-157.79	496.35	-141.27	2.73
919	1/18/2021 17:51	1/18/2021 17:54	0:03:29	-43.07	-155.08	496.60	-48.95	-138.69	497.31	-140.33	3.67
920	1/18/2021 17:55	1/18/2021 18:04	0:09:20	-49.55	-136.06	497.32	-47.15	-83.89	492.54	-141.92	2.08
921	1/18/2021 18:05	1/18/2021 18:19	0:13:40	-46.33	-81.50	492.05	-11.50	-38.64	477.93	-141.77	2.23
922	1/18/2021 18:19	1/18/2021 18:49	0:30:10	-10.01	-37.54	477.63	50.41	70.68	492.93	-140.71	3.29
923	1/18/2021 18:50	1/18/2021 19:23	0:32:50	49.73	74.33	493.02	-36.58	170.01	495.34	-140.38	3.62
924	1/18/2021 19:23	1/18/2021 19:25	0:01:50	-37.78	171.74	495.59	-41.91	178.63	496.39	-141.28	2.72
925	1/18/2021 19:26	1/18/2021 19:29	0:03:29	-43.29	-178.64	496.63	-49.08	-162.14	497.27	-140.40	3.60
926	1/18/2021 19:30	1/18/2021 19:39	0:09:20	-49.68	-159.49	497.27	-46.98	-107.38	492.42	-141.90	2.10
927	1/18/2021 19:40	1/18/2021 19:53	0:13:40	-46.15	-105.01	491.94	-11.18	-62.42	478.10	-141.72	2.28
928	1/18/2021 19:54	1/18/2021 20:23	0:29:40	-9.68	-61.32	477.82	50.43	46.62	492.99	-140.65	3.35
929	1/18/2021 20:24	1/18/2021 20:57	0:32:49	49.57	51.16	493.09	-36.92	146.57	495.42	-140.39	3.61
930	1/18/2021 20:57	1/18/2021 20:59	0:01:51	-38.12	148.32	495.66	-42.21	155.27	496.45	-141.34	2.66
931	1/18/2021 21:00	1/18/2021 21:03	0:03:29	-43.23	157.33	496.63	-49.05	173.80	497.29	-140.39	3.61
932	1/18/2021 21:04	1/18/2021 21:13	0:08:41	-49.65	176.45	497.29	-48.04	-134.70	493.10	-141.89	2.11
933	1/18/2021 21:13	1/18/2021 21:13	0:00:09	-47.28	-132.23	492.64	-47.02	-131.43	492.48	-143.86	0.14
934	1/18/2021 21:14	1/18/2021 21:58	0:43:49	-45.90	-128.28	491.83	50.29	23.48	493.03	-140.81	3.19
935	1/18/2021 21:59	1/18/2021 22:06	0:07:49	49.40	27.99	493.12	33.90	60.77	491.68	-141.86	2.14
936	1/18/2021 22:07	1/18/2021 22:31	0:24:20	32.61	62.33	491.51	-36.86	122.56	495.46	-140.40	3.60
937	1/18/2021 22:32	1/18/2021 22:33	0:01:39	-38.45	124.90	495.79	-42.15	131.24	496.52	-141.20	2.80
938	1/18/2021 22:34	1/18/2021 22:38	0:03:29	-43.52	134.00	496.76	-49.22	150.62	497.42	-140.25	3.75
939	1/18/2021 22:38	1/18/2021 22:46	0:07:51	-49.80	153.28	497.42	-48.98	-162.17	493.91	-141.89	2.11
940	1/18/2021 22:46	1/18/2021 22:47	0:00:10	-48.31	-159.60	493.48	-48.07	-158.76	493.33	-143.93	0.07
941	1/18/2021 22:47	1/18/2021 22:47	0:00:09	-47.06	-155.48	492.72	-46.79	-154.68	492.56	-143.96	0.04
942	1/18/2021 22:48	1/18/2021 23:32	0:43:59	-45.94	-152.33	492.07	50.16	0.32	492.89	-140.66	3.34
943	1/18/2021 23:33	1/19/2021 0:05	0:32:40	49.23	4.80	492.96	-37.20	99.12	495.50	-140.38	3.62
944	1/19/2021 0:06	1/19/2021 0:08	0:01:51	-38.39	100.88	495.75	-42.45	107.89	496.57	-141.24	2.76
945	1/19/2021 0:08	1/19/2021 0:20	0:11:41	-43.80	110.67	496.81	-49.01	173.77	494.03	-140.50	3.50
946	1/19/2021 0:21	1/19/2021 0:21	0:00:00	-48.11	177.18	493.46	-48.11	177.18	493.46	-143.94	0.06
947	1/19/2021 0:22	1/19/2021 0:22	0:00:00	-46.83	-178.73	492.69	-46.83	-178.73	492.69	-144.00	0.00
948	1/19/2021 0:22	1/19/2021 1:06	0:43:49	-45.70	-175.61	492.04	50.18	-23.75	492.80	-140.45	3.55
949	1/19/2021 1:07	1/19/2021 1:40	0:32:40	49.06	-18.39	492.88	-37.54	75.69	495.50	-140.37	3.63
950	1/19/2021 1:40	1/19/2021 1:42	0:01:51	-38.72	77.46	495.75	-42.74	84.54	496.55	-141.26	2.74
951	1/19/2021 1:43	1/19/2021 1:46	0:03:20	-44.07	87.35	496.79	-49.37	103.38	497.39	-140.20	3.80
952	1/19/2021 1:47	1/19/2021 1:55	0:07:51	-49.93	106.06	497.39	-48.83	150.58	493.86	-141.74	2.26
953	1/19/2021 1:55	1/19/2021 1:55	0:00:00	-47.91	153.97	493.28	-47.91	153.97	493.28	-143.98	0.02
954	1/19/2021 1:56	1/19/2021 1:56	0:00:00	-46.60	158.02	492.50	-46.60	158.02	492.50	-144.00	0.00
955	1/19/2021 1:57	1/19/2021 2:40	0:43:49	-45.45	161.12	491.85	50.04	-46.90	492.79	-140.20	3.80
956	1/19/2021 2:42	1/19/2021 2:45	0:03:50	48.88	-41.57	492.86	42.27	-23.85	492.43	-141.62	2.38
957	1/19/2021 2:46	1/19/2021 3:14	0:28:20	41.20	-21.85	492.31	-37.88	52.26	495.55	-140.39	3.61
958	1/19/2021 3:15	1/19/2021 3:16	0:01:40	-39.05	54.06	495.80	-42.69	60.51	496.52	-141.10	2.90
959	1/19/2021 3:17	1/19/2021 3:29	0:11:41	-44.03	63.32	496.76	-48.86	126.53	493.85	-140.38	3.62
960	1/19/2021 3:29	1/19/2021 3:29	0:00:00	-47.94	129.92	493.27	-47.94	129.92	493.27	-143.99	0.01

Table 12 Departure GN 3 Mbps (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)
961	1/19/2021 3:31	1/19/2021 4:15	0:43:50	-45.19	137.83	491.67	49.90	-70.05	492.78	-140.16	3.84
962	1/19/2021 4:16	1/19/2021 4:19	0:03:29	48.70	-64.76	492.84	42.67	-48.55	492.47	-141.62	2.38
963	1/19/2021 4:20	1/19/2021 4:48	0:28:00	40.52	-44.58	492.23	-37.82	28.25	495.57	-140.36	3.64
964	1/19/2021 4:49	1/19/2021 4:51	0:01:50	-38.99	30.04	495.81	-42.98	37.18	496.59	-141.20	2.80
965	1/19/2021 4:51	1/19/2021 5:03	0:11:41	-44.30	40.01	496.82	-48.68	103.34	493.69	-140.42	3.58
966	1/19/2021 5:04	1/19/2021 5:04	0:00:00	-47.73	106.71	493.09	-47.73	106.71	493.09	-143.98	0.02
967	1/19/2021 5:06	1/19/2021 5:49	0:43:29	-44.61	115.28	491.30	49.92	-94.10	492.83	-140.07	3.93
968	1/19/2021 5:50	1/19/2021 5:54	0:03:30	48.50	-87.95	492.90	42.37	-71.89	492.50	-141.52	2.48
969	1/19/2021 5:55	1/19/2021 6:23	0:28:00	40.21	-67.96	492.25	-38.16	4.83	495.76	-140.36	3.64
970	1/19/2021 6:23	1/19/2021 6:25	0:01:40	-39.32	6.64	496.01	-42.93	13.15	496.71	-141.14	2.86
971	1/19/2021 6:26	1/19/2021 6:37	0:11:39	-44.57	16.70	496.98	-48.48	80.14	493.63	-140.35	3.65
972	1/19/2021 6:38	1/19/2021 6:38	0:00:00	-47.77	82.66	493.18	-47.77	82.66	493.18	-143.96	0.04
973	1/19/2021 6:40	1/19/2021 7:23	0:43:29	-44.35	91.98	491.19	49.77	-117.26	492.77	-140.08	3.92
974	1/19/2021 7:24	1/19/2021 7:28	0:03:30	48.30	-111.15	492.83	42.07	-95.24	492.43	-141.47	2.53
975	1/19/2021 7:29	1/19/2021 7:59	0:30:10	39.88	-91.35	492.18	-43.22	-10.19	496.90	-140.39	3.61
976	1/19/2021 8:00	1/19/2021 8:12	0:11:41	-44.52	-7.33	497.12	-48.52	56.08	493.75	-140.59	3.41
977	1/19/2021 8:12	1/19/2021 8:12	0:00:10	-47.81	58.60	493.29	-47.56	59.43	493.14	-143.92	0.08
978	1/19/2021 8:14	1/19/2021 8:58	0:43:31	-44.07	68.66	491.12	49.61	-140.41	492.61	-139.77	4.23
979	1/19/2021 8:59	1/19/2021 9:02	0:03:31	48.10	-134.35	492.66	41.77	-118.59	492.26	-141.51	2.49
980	1/19/2021 9:03	1/19/2021 9:33	0:30:19	39.94	-115.36	492.06	-43.51	-33.51	496.99	-140.33	3.67
981	1/19/2021 9:34	1/19/2021 9:47	0:12:20	-44.79	-30.63	497.20	-47.34	36.20	493.03	-140.41	3.59
982	1/19/2021 9:48	1/19/2021 10:18	0:30:10	-44.12	44.64	491.16	39.06	126.42	484.39	-139.80	4.20
983	1/19/2021 10:19	1/19/2021 10:32	0:13:10	40.20	128.29	484.87	49.24	-162.70	492.74	-139.92	4.08
984	1/19/2021 10:33	1/19/2021 11:08	0:34:30	47.89	-157.56	492.77	-43.46	-57.54	497.10	-140.35	3.65
985	1/19/2021 11:09	1/19/2021 11:21	0:12:20	-45.05	-53.92	497.35	-47.11	12.96	492.94	-140.59	3.41
986	1/19/2021 11:23	1/19/2021 11:38	0:15:01	-43.84	21.32	491.06	-3.42	63.92	476.93	-139.97	4.03
987	1/19/2021 11:38	1/19/2021 11:53	0:14:39	-1.91	64.98	476.79	39.38	103.01	484.50	-140.73	3.27
988	1/19/2021 11:53	1/19/2021 12:06	0:13:10	40.51	104.90	484.97	49.06	174.12	492.78	-140.24	3.76
989	1/19/2021 12:08	1/19/2021 12:10	0:02:49	47.68	179.21	492.80	42.57	-167.99	492.49	-141.49	2.51
990	1/19/2021 12:11	1/19/2021 12:42	0:31:09	41.51	-165.98	492.39	-43.73	-80.87	497.12	-140.32	3.68
991	1/19/2021 12:43	1/19/2021 12:54	0:11:30	-45.01	-77.97	497.32	-48.39	-15.23	493.67	-140.45	3.55
992	1/19/2021 12:55	1/19/2021 12:55	0:00:39	-47.67	-12.72	493.21	-46.61	-9.49	492.56	-143.63	0.37
993	1/19/2021 12:57	1/19/2021 13:12	0:15:11	-43.89	-2.72	491.00	-2.99	40.29	476.82	-140.06	3.94
994	1/19/2021 13:13	1/19/2021 13:27	0:14:29	-1.48	41.36	476.68	39.33	79.00	484.43	-140.67	3.33
995	1/19/2021 13:28	1/19/2021 13:41	0:13:10	40.83	81.52	485.06	48.89	150.93	492.78	-140.22	3.78
996	1/19/2021 13:42	1/19/2021 13:43	0:01:40	47.72	155.16	492.80	44.91	163.00	492.69	-141.42	2.58
997	1/19/2021 13:44	1/19/2021 13:45	0:00:50	43.96	165.18	492.62	42.28	168.66	492.48	-142.25	1.75
998	1/19/2021 13:45	1/19/2021 14:16	0:31:00	41.21	170.65	492.37	-43.69	-104.90	497.10	-140.21	3.79
999	1/19/2021 14:17	1/19/2021 14:29	0:11:30	-45.27	-101.26	497.34	-48.19	-38.43	493.50	-140.53	3.47
1000	1/19/2021 14:29	1/19/2021 14:30	0:00:41	-47.45	-35.95	493.03	-46.38	-32.75	492.38	-143.60	0.40
1001	1/19/2021 14:31	1/19/2021 14:46	0:15:10	-43.94	-26.75	490.98	-3.07	16.32	476.78	-140.12	3.88
1002	1/19/2021 14:47	1/19/2021 15:01	0:14:30	-1.05	17.73	476.61	39.65	55.60	484.54	-140.64	3.36
1003	1/19/2021 15:02	1/19/2021 15:15	0:13:20	40.77	57.50	485.02	48.70	127.74	492.78	-140.42	3.58
1004	1/19/2021 15:16	1/19/2021 15:17	0:01:29	47.51	131.94	492.79	44.96	138.96	492.69	-141.54	2.46
1005	1/19/2021 15:18	1/19/2021 15:19	0:00:40	43.68	141.87	492.60	42.33	144.64	492.48	-142.17	1.83
1006	1/19/2021 15:19	1/19/2021 15:23	0:03:30	41.26	146.63	492.37	32.89	158.83	491.39	-141.63	2.37
1007	1/19/2021 15:24	1/19/2021 15:50	0:26:49	30.70	161.34	491.12	-43.96	-128.22	497.18	-140.09	3.91
1008	1/19/2021 15:51	1/19/2021 16:03	0:11:21	-45.52	-124.54	497.41	-48.23	-62.48	493.53	-140.54	3.46
1009	1/19/2021 16:03	1/19/2021 16:04	0:00:50	-47.49	-59.99	493.06	-46.13	-56.01	492.23	-143.55	0.45
1010	1/19/2021 16:05	1/19/2021 16:21	0:15:11	-43.66	-50.07	490.82	-2.64	-7.31	476.71	-140.17	3.83
1011	1/19/2021 16:21	1/19/2021 16:36	0:14:31	-0.63	-5.89	476.55	39.98	32.21	484.62	-140.59	3.41
1012	1/19/2021 16:36	1/19/2021 16:49	0:13:10	41.09	34.13	485.10	48.73	103.69	492.71	-140.52	3.48
1013	1/19/2021 16:50	1/19/2021 16:52	0:01:31	47.29	108.71	492.72	44.70	115.67	492.61	-141.85	2.15
1014	1/19/2021 16:52	1/19/2021 16:57	0:04:49	43.73	117.84	492.54	32.52	135.34	491.30	-141.56	2.44
1015	1/19/2021 16:58	1/19/2021 17:25	0:26:41	30.32	137.84	491.03	-43.92	-152.25	497.11	-139.96	4.04
1016	1/19/2021 17:26	1/19/2021 17:37	0:11:30	-45.48	-148.58	497.34	-48.03	-85.69	493.32	-140.47	3.53
1017	1/19/2021 17:37	1/19/2021 17:38	0:00:50	-47.27	-83.22	492.85	-45.89	-79.27	492.02	-143.49	0.51
1018	1/19/2021 17:40	1/19/2021 17:55	0:15:20	-43.71	-74.09	490.78	-2.21	-30.93	476.61	-140.22	3.78
1019	1/19/2021 17:56	1/19/2021 18:10	0:14:19	-0.19	-29.51	476.46	39.92	8.19	484.59	-140.52	3.48
1020	1/19/2021 18:11	1/19/2021 18:24	0:13:10	41.40	10.76	485.23	48.54	80.51	492.72	-140.65	3.35

Table 12 Departure GN 3 Mbps (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)
1021	1/19/2021 18:25	1/19/2021 18:26	0:01:29	47.32	84.67	492.72	44.74	91.64	492.61	-141.83	2.17
1022	1/19/2021 18:27	1/19/2021 18:31	0:04:49	43.45	94.52	492.52	32.14	111.86	491.26	-141.49	2.51
1023	1/19/2021 18:32	1/19/2021 18:59	0:26:40	29.94	114.33	490.99	-44.20	-175.56	497.16	-140.10	3.90
1024	1/19/2021 19:00	1/19/2021 19:13	0:13:01	-45.74	-171.85	497.38	-45.33	-101.78	491.67	-140.85	3.15
1025	1/19/2021 19:14	1/19/2021 19:29	0:15:11	-43.43	-97.41	490.60	-2.28	-54.90	476.58	-140.29	3.71
1026	1/19/2021 19:30	1/19/2021 19:44	0:14:31	-0.26	-53.49	476.43	40.25	-15.19	484.73	-140.54	3.46
1027	1/19/2021 19:45	1/19/2021 19:58	0:13:10	41.35	-13.25	485.21	48.57	56.46	492.78	-140.73	3.27
1028	1/19/2021 19:59	1/19/2021 20:00	0:01:31	47.10	61.44	492.78	44.47	68.35	492.66	-141.78	2.22
1029	1/19/2021 20:01	1/19/2021 20:06	0:04:51	43.16	71.20	492.56	31.77	88.37	491.27	-141.41	2.59
1030	1/19/2021 20:07	1/19/2021 20:33	0:26:39	29.56	90.82	491.01	-44.47	161.14	497.21	-140.36	3.64
1031	1/19/2021 20:34	1/19/2021 20:47	0:13:01	-45.98	164.89	497.42	-45.07	-125.06	491.56	-140.80	3.20
1032	1/19/2021 20:48	1/19/2021 21:03	0:15:19	-43.47	-121.44	490.66	-1.84	-78.53	476.62	-140.40	3.60
1033	1/19/2021 21:04	1/19/2021 21:18	0:14:19	0.17	-77.11	476.48	40.19	-39.20	484.77	-140.38	3.62
1034	1/19/2021 21:19	1/19/2021 21:32	0:13:10	41.65	-36.61	485.41	48.37	33.26	492.80	-140.79	3.21
1035	1/19/2021 21:33	1/19/2021 21:34	0:00:50	47.13	37.40	492.80	45.73	41.33	492.74	-141.74	2.26
1036	1/19/2021 21:34	1/19/2021 21:35	0:00:11	44.51	44.32	492.67	44.19	45.04	492.64	-143.79	0.21
1037	1/19/2021 21:35	1/19/2021 21:40	0:05:01	43.21	47.17	492.56	31.39	64.87	491.20	-141.34	2.66
1038	1/19/2021 21:41	1/19/2021 22:07	0:26:40	29.62	66.82	490.98	-44.42	137.11	497.30	-140.38	3.62
1039	1/19/2021 22:08	1/19/2021 22:22	0:13:21	-45.94	140.85	497.52	-44.49	-147.62	491.44	-141.00	3.00
1040	1/19/2021 22:22	1/19/2021 22:38	0:15:29	-43.52	-145.47	490.90	-1.42	-102.15	476.74	-140.64	3.36
1041	1/19/2021 22:38	1/19/2021 22:53	0:14:20	0.60	-100.74	476.61	40.51	-62.59	484.86	-140.44	3.56
1042	1/19/2021 22:53	1/19/2021 23:05	0:11:41	41.95	-59.98	485.49	50.02	2.17	492.53	-140.85	3.15
1043	1/19/2021 23:06	1/19/2021 23:06	0:00:50	49.47	4.86	492.58	48.41	9.21	492.63	-141.95	2.05
1044	1/19/2021 23:07	1/19/2021 23:08	0:00:50	47.17	13.35	492.63	45.78	17.28	492.57	-141.99	2.01
1045	1/19/2021 23:09	1/19/2021 23:09	0:00:00	44.24	21.00	492.47	44.24	21.00	492.47	-143.59	0.41
1046	1/19/2021 23:09	1/19/2021 23:15	0:05:10	43.26	23.14	492.39	31.02	41.36	490.96	-141.31	2.69
1047	1/19/2021 23:15	1/19/2021 23:42	0:26:39	29.24	43.30	490.75	-44.69	113.81	497.35	-140.35	3.65
1048	1/19/2021 23:43	1/19/2021 23:50	0:07:10	-46.19	117.58	497.57	-51.62	157.00	496.54	-140.75	3.25
1049	1/19/2021 23:50	1/20/2021 0:12	0:21:40	-51.42	159.91	496.26	-0.99	-125.78	476.81	-140.81	3.19
1050	1/20/2021 0:13	1/20/2021 0:27	0:14:21	1.02	-124.36	476.69	40.82	-85.98	484.98	-140.54	3.46
1051	1/20/2021 0:28	1/20/2021 0:39	0:11:39	41.90	-84.01	485.45	50.05	-21.90	492.42	-140.83	3.17
1052	1/20/2021 0:40	1/20/2021 0:41	0:00:50	49.31	-18.31	492.49	48.21	-14.00	492.53	-141.94	2.06
1053	1/20/2021 0:41	1/20/2021 0:42	0:00:49	47.21	-10.70	492.52	45.82	-6.76	492.46	-142.18	1.82
1054	1/20/2021 0:43	1/20/2021 0:49	0:05:39	43.97	-2.31	492.33	30.64	17.85	490.78	-141.41	2.59
1055	1/20/2021 0:50	1/20/2021 1:16	0:26:29	28.85	19.77	490.57	-44.65	89.77	497.28	-140.38	3.62
1056	1/20/2021 1:17	1/20/2021 1:24	0:07:20	-46.15	93.54	497.50	-51.57	133.91	496.41	-141.11	2.89
1057	1/20/2021 1:25	1/20/2021 1:36	0:11:00	-51.34	136.81	496.12	-31.48	-175.06	485.08	-142.41	1.59
1058	1/20/2021 1:36	1/20/2021 1:46	0:10:10	-30.15	-173.58	484.51	-0.56	-149.40	476.78	-140.77	3.23
1059	1/20/2021 1:47	1/20/2021 2:01	0:14:11	1.46	-147.98	476.67	40.77	-110.00	484.95	-140.60	3.40
1060	1/20/2021 2:02	1/20/2021 2:14	0:11:41	42.21	-107.36	485.57	49.90	-45.04	492.41	-140.84	3.16
1061	1/20/2021 2:14	1/20/2021 2:15	0:00:50	49.34	-42.36	492.46	48.25	-38.05	492.50	-142.10	1.90
1062	1/20/2021 2:15	1/20/2021 2:16	0:00:59	47.51	-35.55	492.50	45.87	-30.79	492.44	-142.38	1.62
1063	1/20/2021 2:17	1/20/2021 2:20	0:03:00	44.01	-26.34	492.31	37.46	-14.69	491.61	-142.14	1.86
1064	1/20/2021 2:21	1/20/2021 2:50	0:29:09	35.43	-11.85	491.36	-44.92	66.48	497.30	-140.40	3.60
1065	1/20/2021 2:51	1/20/2021 2:58	0:07:10	-46.39	70.29	497.51	-51.58	109.84	496.39	-140.88	3.12
1066	1/20/2021 2:59	1/20/2021 3:10	0:11:11	-51.36	112.75	496.11	-31.10	161.44	484.88	-142.38	1.62
1067	1/20/2021 3:11	1/20/2021 3:20	0:09:59	-29.77	162.91	484.30	-0.63	-173.37	476.74	-140.69	3.31
1068	1/20/2021 3:21	1/20/2021 3:36	0:14:11	1.89	-171.60	476.61	41.08	-133.36	485.04	-140.66	3.34
1069	1/20/2021 3:36	1/20/2021 3:48	0:11:50	42.16	-131.37	485.51	49.75	-68.19	492.40	-140.77	3.23
1070	1/20/2021 3:48	1/20/2021 3:49	0:00:41	49.16	-65.53	492.45	48.28	-62.09	492.48	-142.18	1.82
1071	1/20/2021 3:50	1/20/2021 3:50	0:00:59	47.55	-59.59	492.47	45.91	-54.82	492.42	-142.44	1.56
1072	1/20/2021 3:52	1/20/2021 3:55	0:03:00	43.73	-49.64	492.27	37.12	-38.11	491.57	-142.08	1.92
1073	1/20/2021 3:56	1/20/2021 4:12	0:16:00	35.07	-35.31	491.32	-11.15	3.09	490.53	-140.91	3.09
1074	1/20/2021 4:12	1/20/2021 4:25	0:12:40	-12.63	4.20	490.76	-45.18	43.20	497.35	-140.24	3.76
1075	1/20/2021 4:26	1/20/2021 4:32	0:06:59	-46.63	47.04	497.55	-51.59	85.78	496.38	-141.06	2.94
1076	1/20/2021 4:33	1/20/2021 4:55	0:21:40	-51.28	89.65	495.99	-0.19	163.01	476.64	-140.63	3.37
1077	1/20/2021 4:55	1/20/2021 5:10	0:14:21	1.82	164.42	476.54	41.40	-156.72	485.17	-140.71	3.29
1078	1/20/2021 5:10	1/20/2021 5:22	0:11:41	42.46	-154.71	485.63	49.77	-92.24	492.45	-140.74	3.26
1079	1/20/2021 5:23	1/20/2021 5:23	0:00:39	49.19	-89.57	492.50	48.31	-86.13	492.53	-142.14	1.86
1080	1/20/2021 5:24	1/20/2021 5:25	0:01:09	47.58	-83.63	492.53	45.65	-78.09	492.46	-142.37	1.63

Table 12 Departure GN 3 Mbps (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)
1081	1/20/2021 5:26	1/20/2021 5:29	0:03:09	43.78	-73.67	492.34	36.77	-61.54	491.60	-141.88	2.12
1082	1/20/2021 5:30	1/20/2021 5:31	0:00:41	34.71	-58.76	491.35	33.01	-56.65	491.14	-143.01	0.99
1083	1/20/2021 5:31	1/20/2021 5:46	0:14:50	31.71	-55.12	490.98	-11.58	-20.52	490.72	-140.99	3.01
1084	1/20/2021 5:46	1/20/2021 5:59	0:12:40	-13.06	-19.40	490.95	-45.44	19.92	497.50	-140.39	3.61
1085	1/20/2021 6:00	1/20/2021 6:07	0:07:10	-46.59	23.00	497.66	-51.53	62.69	496.39	-140.77	3.23
1086	1/20/2021 6:08	1/20/2021 6:19	0:11:00	-51.19	66.55	495.98	-30.79	113.95	484.65	-142.22	1.78
1087	1/20/2021 6:19	1/20/2021 6:29	0:10:10	-29.45	115.40	484.07	0.24	139.39	476.52	-140.54	3.46
1088	1/20/2021 6:30	1/20/2021 6:44	0:14:11	2.25	140.80	476.43	41.35	179.26	485.02	-140.68	3.32
1089	1/20/2021 6:45	1/20/2021 6:57	0:12:40	42.75	-178.05	485.64	48.34	-110.17	492.47	-140.67	3.33
1090	1/20/2021 6:58	1/20/2021 6:59	0:01:01	47.61	-107.66	492.48	45.98	-102.88	492.43	-142.10	1.90
1091	1/20/2021 7:00	1/20/2021 7:03	0:03:19	43.82	-97.69	492.30	36.42	-84.97	491.54	-142.11	1.89
1092	1/20/2021 7:04	1/20/2021 7:04	0:00:11	34.34	-82.22	491.29	33.92	-81.69	491.24	-143.43	0.57
1093	1/20/2021 7:05	1/20/2021 7:20	0:14:50	31.33	-78.61	490.93	-12.00	-44.12	490.89	-141.02	2.98
1094	1/20/2021 7:21	1/20/2021 7:33	0:12:31	-13.48	-43.01	491.13	-45.40	-4.12	497.65	-140.30	3.70
1095	1/20/2021 7:34	1/20/2021 7:41	0:06:59	-46.83	-0.24	497.84	-51.54	38.63	496.53	-140.59	3.41
1096	1/20/2021 7:42	1/20/2021 7:46	0:04:20	-51.21	42.49	496.12	-45.97	65.18	492.42	-142.17	1.83
1097	1/20/2021 7:47	1/20/2021 8:03	0:16:50	-44.77	68.20	491.72	0.67	115.76	476.40	-140.45	3.55
1098	1/20/2021 8:04	1/20/2021 8:18	0:14:09	2.68	117.18	476.32	41.65	155.91	484.94	-140.87	3.13
1099	1/20/2021 8:19	1/20/2021 8:31	0:12:40	42.71	157.93	485.41	48.37	-134.21	492.29	-140.63	3.37
1100	1/20/2021 8:32	1/20/2021 8:33	0:01:01	47.65	-131.70	492.30	46.02	-126.91	492.27	-142.00	2.00
1101	1/20/2021 8:34	1/20/2021 8:38	0:04:00	44.51	-123.16	492.19	35.65	-107.86	491.34	-142.37	1.63
1102	1/20/2021 8:38	1/20/2021 8:39	0:00:11	34.40	-106.22	491.20	33.98	-105.69	491.15	-143.23	0.77
1103	1/20/2021 8:40	1/20/2021 9:08	0:28:00	31.39	-102.61	490.85	-45.65	-27.39	497.73	-140.37	3.63
1104	1/20/2021 9:08	1/20/2021 9:15	0:06:59	-47.06	-23.48	497.90	-51.48	15.54	496.47	-140.67	3.33
1105	1/20/2021 9:16	1/20/2021 9:20	0:04:10	-51.12	19.39	496.05	-46.01	41.15	492.46	-142.04	1.96
1106	1/20/2021 9:21	1/20/2021 9:38	0:16:40	-44.17	45.63	491.40	1.10	92.14	476.34	-140.26	3.74
1107	1/20/2021 9:39	1/20/2021 9:53	0:14:00	3.11	93.56	476.27	41.60	131.89	484.97	-140.83	3.17
1108	1/20/2021 9:53	1/20/2021 10:06	0:12:40	43.00	134.60	485.59	48.17	-157.41	492.39	-140.59	3.41
1109	1/20/2021 10:06	1/20/2021 10:07	0:00:50	47.43	-154.92	492.40	46.06	-150.95	492.37	-142.13	1.87
1110	1/20/2021 10:08	1/20/2021 10:13	0:05:10	45.17	-148.66	492.33	33.61	-129.16	491.20	-142.64	1.36
1111	1/20/2021 10:14	1/20/2021 10:29	0:14:50	31.01	-126.10	490.90	-12.36	-91.70	491.10	-140.85	3.15
1112	1/20/2021 10:29	1/20/2021 10:42	0:12:40	-13.84	-90.58	491.34	-45.90	-50.66	497.87	-140.35	3.65
1113	1/20/2021 10:43	1/20/2021 10:49	0:06:59	-47.02	-47.52	498.01	-51.49	-8.53	496.57	-140.06	3.94
1114	1/20/2021 10:50	1/20/2021 10:54	0:04:10	-51.13	-4.68	496.14	-46.05	17.11	492.54	-141.86	2.14
1115	1/20/2021 10:55	1/20/2021 11:04	0:08:21	-43.90	22.32	491.29	-23.18	49.74	481.60	-142.48	1.52
1116	1/20/2021 11:04	1/20/2021 11:12	0:07:50	-21.75	51.00	481.08	1.53	68.52	476.30	-140.07	3.93
1117	1/20/2021 11:13	1/20/2021 11:27	0:14:00	3.54	69.94	476.24	41.91	108.53	485.08	-140.74	3.26
1118	1/20/2021 11:27	1/20/2021 11:40	0:12:40	42.95	110.58	485.55	48.20	178.55	492.43	-140.53	3.47
1119	1/20/2021 11:40	1/20/2021 11:41	0:00:50	47.46	-178.97	492.44	46.10	-174.98	492.41	-142.09	1.91
1120	1/20/2021 11:42	1/20/2021 11:43	0:01:01	45.22	-172.70	492.37	43.30	-168.35	492.25	-142.80	1.20
1121	1/20/2021 11:43	1/20/2021 11:47	0:03:41	41.92	-165.62	492.14	33.25	-152.64	491.22	-142.62	1.38
1122	1/20/2021 11:48	1/20/2021 12:03	0:14:50	30.63	-149.61	490.92	-12.78	-115.31	491.21	-140.73	3.27
1123	1/20/2021 12:03	1/20/2021 12:16	0:12:40	-14.26	-114.19	491.45	-46.15	-73.92	497.88	-140.28	3.72
1124	1/20/2021 12:17	1/20/2021 12:24	0:06:59	-47.24	-70.76	498.00	-51.43	-31.63	496.42	-140.88	3.12
1125	1/20/2021 12:25	1/20/2021 12:28	0:03:59	-51.04	-27.79	495.98	-46.09	-6.93	492.49	-141.89	2.11
1126	1/20/2021 12:30	1/20/2021 12:38	0:08:11	-43.62	-1.00	491.06	-23.25	25.75	481.54	-142.56	1.44
1127	1/20/2021 12:39	1/20/2021 12:46	0:07:40	-21.35	27.43	480.86	1.46	44.54	476.25	-140.43	3.57
1128	1/20/2021 12:47	1/20/2021 13:01	0:14:09	3.47	45.96	476.18	42.21	85.18	485.17	-141.06	2.94
1129	1/20/2021 13:02	1/20/2021 13:15	0:13:50	43.24	87.25	485.64	46.15	160.98	492.42	-140.52	3.48
1130	1/20/2021 13:16	1/20/2021 13:17	0:01:01	45.26	163.27	492.39	43.35	167.62	492.27	-142.35	1.65
1131	1/20/2021 13:18	1/20/2021 13:21	0:03:40	41.62	171.03	492.13	32.88	-176.12	491.20	-142.57	1.43
1132	1/20/2021 13:23	1/20/2021 13:37	0:14:49	30.25	-173.12	490.91	-13.20	-138.92	491.30	-140.62	3.38
1133	1/20/2021 13:38	1/20/2021 13:50	0:12:29	-14.68	-137.79	491.54	-46.11	-97.96	497.85	-140.38	3.62
1134	1/20/2021 13:51	1/20/2021 13:58	0:07:10	-47.21	-94.80	497.97	-51.36	-54.73	496.28	-141.07	2.93
1135	1/20/2021 13:59	1/20/2021 14:03	0:04:09	-51.06	-51.85	495.95	-45.84	-30.19	492.29	-141.78	2.22
1136	1/20/2021 14:04	1/20/2021 14:12	0:08:10	-43.33	-24.32	490.84	-22.84	2.19	481.34	-142.64	1.36
1137	1/20/2021 14:13	1/20/2021 14:21	0:07:41	-20.94	3.86	480.66	1.89	20.92	476.18	-140.38	3.62
1138	1/20/2021 14:21	1/20/2021 14:35	0:14:00	3.90	22.34	476.13	42.16	61.16	485.12	-140.85	3.15
1139	1/20/2021 14:36	1/20/2021 14:51	0:15:20	43.53	63.93	485.75	43.06	144.30	492.24	-140.53	3.47
1140	1/20/2021 14:52	1/20/2021 14:56	0:03:39	41.31	147.67	492.10	32.51	160.40	491.16	-142.55	1.45

Table 12 Departure GN 3 Mbps (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)
1141	1/20/2021 14:57	1/20/2021 15:25	0:28:00	30.32	162.89	490.92	-46.35	-121.22	497.91	-140.22	3.78
1142	1/20/2021 15:25	1/20/2021 15:37	0:11:39	-47.43	-118.03	498.02	-45.89	-54.23	492.32	-141.27	2.73
1143	1/20/2021 15:39	1/20/2021 15:47	0:07:40	-42.01	-45.60	490.10	-22.44	-21.37	481.17	-142.70	1.30
1144	1/20/2021 15:47	1/20/2021 15:55	0:07:40	-20.53	-19.72	480.50	2.32	-2.70	476.13	-140.27	3.73
1145	1/20/2021 15:56	1/20/2021 16:10	0:14:00	4.33	-1.28	476.10	42.46	37.82	485.21	-140.77	3.23
1146	1/20/2021 16:10	1/20/2021 16:26	0:15:21	43.48	39.90	485.67	43.11	120.28	492.19	-140.53	3.47
1147	1/20/2021 16:26	1/20/2021 16:30	0:04:00	41.36	123.66	492.05	31.70	137.42	491.03	-142.50	1.50
1148	1/20/2021 16:31	1/20/2021 16:46	0:14:49	29.93	139.38	490.83	-13.56	173.50	491.34	-140.40	3.60
1149	1/20/2021 16:46	1/20/2021 16:59	0:12:39	-15.03	174.63	491.59	-46.60	-144.47	497.88	-140.40	3.60
1150	1/20/2021 17:00	1/20/2021 17:11	0:11:01	-47.65	-141.25	497.98	-46.77	-80.60	492.79	-141.13	2.87
1151	1/20/2021 17:11	1/20/2021 17:11	0:00:00	-45.93	-78.26	492.28	-45.93	-78.26	492.28	-143.90	0.10
1152	1/20/2021 17:13	1/20/2021 17:21	0:07:31	-41.70	-68.95	489.87	-22.50	-45.36	481.13	-142.78	1.22
1153	1/20/2021 17:22	1/20/2021 17:29	0:07:40	-20.11	-43.29	480.30	2.76	-26.32	476.07	-140.28	3.72
1154	1/20/2021 17:30	1/20/2021 17:34	0:03:39	4.77	-24.89	476.05	15.72	-16.79	476.92	-141.40	2.60
1155	1/20/2021 17:34	1/20/2021 17:44	0:09:40	17.19	-15.63	477.16	42.42	13.81	485.17	-140.99	3.01
1156	1/20/2021 17:45	1/20/2021 18:00	0:15:09	43.77	16.59	485.80	43.15	96.26	492.18	-140.51	3.49
1157	1/20/2021 18:01	1/20/2021 18:20	0:19:30	41.05	100.30	492.01	-13.98	149.90	491.44	-140.41	3.59
1158	1/20/2021 18:21	1/20/2021 18:33	0:12:29	-15.45	151.04	491.69	-46.56	-168.50	497.87	-140.25	3.75
1159	1/20/2021 18:34	1/20/2021 18:45	0:11:00	-47.62	-165.28	497.97	-46.81	-104.63	492.79	-140.96	3.04
1160	1/20/2021 18:48	1/20/2021 18:55	0:07:19	-41.03	-91.65	489.48	-22.09	-68.92	480.95	-142.81	1.19
1161	1/20/2021 18:56	1/20/2021 19:04	0:07:40	-19.69	-66.86	480.13	3.20	-49.93	476.02	-139.76	4.24
1162	1/20/2021 19:04	1/20/2021 19:18	0:13:49	5.21	-48.51	476.01	42.72	-9.52	485.32	-140.69	3.31
1163	1/20/2021 19:19	1/20/2021 19:34	0:15:00	43.73	-7.43	485.79	43.53	71.54	492.28	-140.68	3.32
1164	1/20/2021 19:35	1/20/2021 19:55	0:19:40	41.09	76.29	492.08	-14.41	126.30	491.53	-140.39	3.61
1165	1/20/2021 19:55	1/20/2021 20:07	0:12:20	-15.88	127.45	491.78	-46.52	167.47	497.88	-140.25	3.75
1166	1/20/2021 20:08	1/20/2021 20:19	0:10:51	-47.83	171.51	498.00	-46.84	-128.67	492.84	-140.78	3.22
1167	1/20/2021 20:22	1/20/2021 20:29	0:07:20	-40.71	-115.02	489.34	-21.67	-92.48	480.86	-142.78	1.22
1168	1/20/2021 20:30	1/20/2021 20:38	0:07:31	-19.27	-90.44	480.05	3.13	-73.91	476.10	-139.96	4.04
1169	1/20/2021 20:39	1/20/2021 20:40	0:01:29	5.64	-72.12	476.09	10.14	-68.87	476.30	-141.38	2.62
1170	1/20/2021 20:41	1/20/2021 20:42	0:01:29	11.64	-67.76	476.43	16.08	-64.36	477.01	-142.36	1.64
1171	1/20/2021 20:43	1/20/2021 20:53	0:09:51	17.55	-63.19	477.26	43.01	-32.85	485.51	-140.98	3.02
1172	1/20/2021 20:53	1/20/2021 21:08	0:14:50	44.01	-30.73	485.98	43.57	47.52	492.28	-140.79	3.21
1173	1/20/2021 21:09	1/20/2021 21:42	0:32:40	41.14	52.27	492.08	-46.76	144.23	498.01	-140.32	3.68
1174	1/20/2021 21:42	1/20/2021 21:53	0:10:49	-47.80	147.47	498.11	-46.88	-152.71	493.06	-140.57	3.43
1175	1/20/2021 21:56	1/20/2021 22:04	0:07:21	-40.39	-138.40	489.39	-21.26	-116.06	480.92	-142.80	1.20
1176	1/20/2021 22:05	1/20/2021 22:12	0:07:30	-18.86	-114.03	480.11	3.56	-97.53	476.23	-140.42	3.58
1177	1/20/2021 22:13	1/20/2021 22:27	0:13:49	5.57	-96.10	476.22	42.96	-56.88	485.44	-140.89	3.11
1178	1/20/2021 22:27	1/20/2021 22:42	0:14:50	44.28	-54.05	486.05	43.29	24.19	492.09	-140.77	3.23
1179	1/20/2021 22:43	1/20/2021 23:03	0:19:51	41.19	28.25	491.91	-14.77	78.73	491.45	-140.51	3.49
1180	1/20/2021 23:03	1/20/2021 23:16	0:12:20	-16.23	79.87	491.72	-46.72	120.19	498.04	-140.18	3.82
1181	1/20/2021 23:17	1/20/2021 23:27	0:10:40	-48.01	124.26	498.17	-46.92	-176.74	493.22	-140.24	3.76
1182	1/20/2021 23:31	1/20/2021 23:38	0:07:21	-40.07	-161.78	489.37	-20.85	-139.63	480.92	-142.83	1.17
1183	1/20/2021 23:39	1/20/2021 23:46	0:07:29	-18.44	-137.61	480.12	3.99	-121.15	476.32	-140.64	3.36
1184	1/20/2021 23:47	1/20/2021 23:49	0:01:30	6.00	-119.72	476.32	10.50	-116.46	476.53	-141.41	2.59
1185	1/20/2021 23:49	1/21/2021 0:01	0:11:50	11.99	-115.35	476.66	43.25	-80.22	485.54	-140.82	3.18
1186	1/21/2021 0:02	1/21/2021 0:16	0:14:50	44.24	-78.08	485.99	43.34	0.17	491.96	-140.86	3.14
1187	1/21/2021 0:17	1/21/2021 0:37	0:20:09	41.61	3.57	491.81	-15.19	55.13	491.42	-140.57	3.43
1188	1/21/2021 0:38	1/21/2021 0:50	0:12:11	-16.65	56.28	491.69	-46.68	96.16	497.97	-140.43	3.57
1189	1/21/2021 0:51	1/21/2021 1:01	0:10:30	-48.22	101.05	498.12	-46.96	159.22	493.20	-140.40	3.60
1190	1/21/2021 1:05	1/21/2021 1:06	0:00:39	-39.75	174.84	489.17	-38.20	177.28	488.37	-143.69	0.31
1191	1/21/2021 1:06	1/21/2021 1:09	0:02:11	-37.01	179.03	487.78	-31.53	-173.99	485.17	-143.53	0.47
1192	1/21/2021 1:09	1/21/2021 1:13	0:03:30	-30.20	-172.52	484.58	-20.44	-163.20	480.77	-142.89	1.11
1193	1/21/2021 1:13	1/21/2021 1:21	0:07:40	-18.51	-161.59	480.13	4.42	-144.77	476.32	-140.72	3.28
1194	1/21/2021 1:21	1/21/2021 1:23	0:01:31	6.43	-143.34	476.33	10.93	-140.07	476.56	-141.25	2.75
1195	1/21/2021 1:24	1/21/2021 1:35	0:11:39	12.42	-138.96	476.70	43.21	-104.24	485.51	-140.92	3.08
1196	1/21/2021 1:36	1/21/2021 1:50	0:14:39	44.51	-101.38	486.11	43.38	-23.85	491.94	-140.65	3.35
1197	1/21/2021 1:51	1/21/2021 1:52	0:01:10	41.66	-20.44	491.79	39.06	-15.99	491.54	-143.11	0.89
1198	1/21/2021 1:53	1/21/2021 2:12	0:18:29	37.49	-13.61	491.37	-15.61	31.53	491.47	-140.63	3.37
1199	1/21/2021 2:12	1/21/2021 2:24	0:12:10	-17.07	32.69	491.74	-46.92	72.92	497.98	-140.17	3.83
1200	1/21/2021 2:25	1/21/2021 2:36	0:10:31	-48.19	77.02	498.10	-46.99	135.19	493.19	-140.26	3.74

Table 12 Departure GN 3 Mbps (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)
1201	1/21/2021 2:40	1/21/2021 2:40	0:00:39	-39.42	151.45	488.96	-37.86	153.87	488.17	-143.61	0.39
1202	1/21/2021 2:41	1/21/2021 2:43	0:01:59	-36.66	155.60	487.57	-31.59	162.01	485.17	-143.71	0.29
1203	1/21/2021 2:43	1/21/2021 2:47	0:03:29	-29.81	163.98	484.38	-20.02	173.23	480.60	-142.83	1.17
1204	1/21/2021 2:48	1/21/2021 2:55	0:07:40	-18.09	174.83	479.97	4.86	-168.39	476.28	-140.85	3.15
1205	1/21/2021 2:56	1/21/2021 2:57	0:01:29	6.36	-167.31	476.29	10.86	-164.04	476.52	-141.23	2.77
1206	1/21/2021 2:58	1/21/2021 3:10	0:11:41	12.85	-162.56	476.71	43.50	-127.55	485.59	-140.78	3.22
1207	1/21/2021 3:10	1/21/2021 3:25	0:14:50	44.47	-125.40	486.05	43.09	-47.17	491.89	-140.53	3.47
1208	1/21/2021 3:25	1/21/2021 3:27	0:01:01	41.70	-44.45	491.78	39.49	-40.61	491.57	-143.27	0.73
1209	1/21/2021 3:28	1/21/2021 3:33	0:05:00	37.14	-37.03	491.32	23.95	-22.17	489.92	-142.12	1.88
1210	1/21/2021 3:33	1/21/2021 3:46	0:12:49	22.54	-20.89	489.80	-15.55	7.56	491.50	-140.68	3.32
1211	1/21/2021 3:46	1/21/2021 3:59	0:12:11	-17.01	8.71	491.77	-46.88	48.89	497.98	-140.30	3.70
1212	1/21/2021 3:59	1/21/2021 4:10	0:10:30	-48.15	52.98	498.10	-47.03	111.16	493.17	-140.43	3.57
1213	1/21/2021 4:14	1/21/2021 4:14	0:00:39	-39.47	127.45	488.92	-37.92	129.86	488.12	-143.52	0.48
1214	1/21/2021 4:15	1/21/2021 4:15	0:00:09	-36.31	132.17	487.32	-35.90	132.73	487.12	-143.93	0.07
1215	1/21/2021 4:16	1/21/2021 4:17	0:01:21	-34.65	134.38	486.52	-31.20	138.52	484.92	-143.84	0.16
1216	1/21/2021 4:18	1/21/2021 4:21	0:03:39	-29.87	139.99	484.33	-19.61	149.66	480.38	-142.78	1.22
1217	1/21/2021 4:22	1/21/2021 4:30	0:07:40	-17.67	151.25	479.76	5.29	168.00	476.21	-140.79	3.21
1218	1/21/2021 4:30	1/21/2021 4:32	0:01:31	6.80	169.08	476.24	11.29	172.35	476.50	-141.37	2.63
1219	1/21/2021 4:32	1/21/2021 4:44	0:11:50	12.78	173.47	476.64	43.78	-150.86	485.73	-140.89	3.11
1220	1/21/2021 4:44	1/21/2021 4:59	0:14:39	44.75	-148.68	486.18	43.14	-71.18	491.96	-140.52	3.48
1221	1/21/2021 5:00	1/21/2021 5:01	0:01:00	41.75	-68.46	491.85	39.54	-64.62	491.64	-143.37	0.63
1222	1/21/2021 5:02	1/21/2021 5:04	0:02:40	36.79	-60.45	491.35	29.97	-52.06	490.60	-142.49	1.51
1223	1/21/2021 5:05	1/21/2021 5:06	0:01:09	28.62	-50.63	490.46	25.41	-47.45	490.14	-142.13	1.87
1224	1/21/2021 5:07	1/21/2021 5:07	0:00:10	24.01	-46.15	490.01	23.54	-45.72	489.97	-143.79	0.21
1225	1/21/2021 5:07	1/21/2021 5:20	0:12:50	22.12	-44.45	489.85	-15.97	-16.03	491.70	-140.74	3.26
1226	1/21/2021 5:21	1/21/2021 5:33	0:12:09	-17.43	-14.87	491.97	-47.11	25.66	498.11	-140.21	3.79
1227	1/21/2021 5:34	1/21/2021 5:44	0:10:20	-48.36	29.78	498.22	-47.07	87.12	493.24	-140.33	3.67
1228	1/21/2021 5:48	1/21/2021 5:49	0:00:40	-39.14	104.05	488.76	-37.57	106.44	487.96	-143.51	0.49
1229	1/21/2021 5:49	1/21/2021 5:49	0:00:10	-35.95	108.73	487.15	-35.54	109.29	486.94	-143.86	0.14
1230	1/21/2021 5:50	1/21/2021 5:51	0:01:20	-34.29	110.92	486.34	-30.82	115.03	484.73	-143.87	0.13
1231	1/21/2021 5:52	1/21/2021 5:52	0:00:29	-29.49	116.48	484.14	-28.13	117.90	483.55	-143.11	0.89
1232	1/21/2021 5:53	1/21/2021 5:55	0:02:30	-26.76	119.27	482.98	-19.67	125.68	480.35	-142.74	1.26
1233	1/21/2021 5:56	1/21/2021 6:06	0:09:50	-17.73	127.27	479.73	11.72	148.75	476.43	-140.75	3.25
1234	1/21/2021 6:06	1/21/2021 6:18	0:11:41	13.21	149.87	476.58	43.74	-174.88	485.59	-140.79	3.21
1235	1/21/2021 6:19	1/21/2021 6:33	0:14:50	44.70	-172.70	486.04	42.84	-94.51	491.90	-140.63	3.37
1236	1/21/2021 6:34	1/21/2021 6:35	0:00:59	41.79	-92.48	491.82	39.59	-88.62	491.62	-143.36	0.64
1237	1/21/2021 6:36	1/21/2021 6:39	0:02:41	36.44	-83.88	491.30	29.58	-75.57	490.56	-142.38	1.62
1238	1/21/2021 6:39	1/21/2021 6:41	0:01:01	27.77	-73.69	490.38	25.01	-71.00	490.12	-142.21	1.79
1239	1/21/2021 6:41	1/21/2021 6:41	0:00:00	23.60	-69.70	489.99	23.60	-69.70	489.99	-143.76	0.24
1240	1/21/2021 6:42	1/21/2021 6:55	0:12:51	21.71	-68.02	489.84	-16.39	-39.63	491.90	-140.81	3.19
1241	1/21/2021 6:55	1/21/2021 7:07	0:12:00	-17.85	-38.46	492.18	-47.08	1.62	498.27	-140.15	3.85
1242	1/21/2021 7:08	1/21/2021 7:18	0:10:30	-48.32	5.74	498.37	-46.83	63.89	493.20	-140.29	3.71
1243	1/21/2021 7:22	1/21/2021 7:23	0:00:41	-38.81	80.65	488.66	-37.23	83.02	487.84	-143.43	0.57
1244	1/21/2021 7:24	1/21/2021 7:24	0:00:09	-36.01	84.73	487.23	-35.60	85.29	487.02	-143.86	0.14
1245	1/21/2021 7:24	1/21/2021 7:26	0:01:10	-33.92	87.45	486.20	-30.88	91.03	484.78	-143.82	0.18
1246	1/21/2021 7:26	1/21/2021 7:27	0:00:30	-29.55	92.49	484.18	-28.19	93.91	483.59	-143.30	0.70
1247	1/21/2021 7:27	1/21/2021 7:30	0:02:30	-26.36	95.74	482.82	-19.26	102.10	480.18	-142.75	1.25
1248	1/21/2021 7:30	1/21/2021 7:52	0:22:00	-17.32	103.68	479.56	44.02	161.82	485.50	-140.79	3.21
1249	1/21/2021 7:53	1/21/2021 8:08	0:14:40	44.97	164.01	485.95	42.88	-118.52	491.76	-140.55	3.45
1250	1/21/2021 8:08	1/21/2021 8:09	0:00:59	41.84	-116.49	491.68	39.64	-112.63	491.50	-143.23	0.77
1251	1/21/2021 8:10	1/21/2021 8:13	0:02:40	36.49	-107.88	491.19	29.64	-99.55	490.49	-142.27	1.73
1252	1/21/2021 8:14	1/21/2021 8:15	0:01:31	27.38	-97.21	490.27	23.19	-93.25	489.91	-142.21	1.79
1253	1/21/2021 8:16	1/21/2021 8:29	0:12:39	21.30	-91.58	489.77	-16.33	-63.60	491.94	-140.77	3.23
1254	1/21/2021 8:29	1/21/2021 8:41	0:11:59	-18.27	-62.04	492.31	-47.31	-21.60	498.33	-140.32	3.68
1255	1/21/2021 8:42	1/21/2021 8:53	0:10:30	-48.29	-18.29	498.41	-46.87	39.86	493.24	-140.16	3.84
1256	1/21/2021 8:57	1/21/2021 8:58	0:01:29	-38.86	56.65	488.70	-35.24	61.84	486.85	-143.46	0.54
1257	1/21/2021 8:59	1/21/2021 8:59	0:00:39	-33.98	63.46	486.24	-32.26	65.54	485.42	-143.76	0.24
1258	1/21/2021 9:00	1/21/2021 9:00	0:00:00	-30.50	67.54	484.61	-30.50	67.54	484.61	-143.97	0.03
1259	1/21/2021 9:00	1/21/2021 9:01	0:00:29	-29.16	68.98	484.02	-27.80	70.39	483.43	-143.27	0.73
1260	1/21/2021 9:02	1/21/2021 9:04	0:02:30	-25.96	72.20	482.66	-18.84	78.52	480.03	-142.74	1.26

Table 12 Departure GN 3 Mbps (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)
1261	1/21/2021 9:05	1/21/2021 9:27	0:21:51	-16.89	80.10	479.41	43.98	137.80	485.52	-140.83	3.17
1262	1/21/2021 9:27	1/21/2021 9:43	0:16:19	44.93	139.99	485.98	39.31	-136.02	491.55	-140.67	3.33
1263	1/21/2021 9:45	1/21/2021 9:47	0:02:00	36.14	-131.32	491.24	31.03	-125.00	490.71	-142.12	1.88
1264	1/21/2021 9:48	1/21/2021 9:50	0:01:29	26.98	-120.74	490.32	22.78	-116.81	489.96	-142.24	1.76
1265	1/21/2021 9:50	1/21/2021 10:03	0:12:31	20.40	-114.74	489.79	-16.75	-87.19	492.12	-140.74	3.26
1266	1/21/2021 10:04	1/21/2021 10:15	0:11:59	-18.21	-86.02	492.41	-47.27	-45.63	498.44	-140.01	3.99
1267	1/21/2021 10:16	1/21/2021 10:27	0:10:19	-48.49	-41.48	498.53	-46.90	15.83	493.33	-140.16	3.84
1268	1/21/2021 10:30	1/21/2021 10:34	0:03:11	-39.29	32.03	488.98	-31.44	42.55	485.08	-143.51	0.49
1269	1/21/2021 10:34	1/21/2021 10:35	0:00:59	-30.11	44.03	484.48	-27.40	46.86	483.29	-143.26	0.74
1270	1/21/2021 10:36	1/21/2021 10:38	0:02:10	-25.09	49.10	482.34	-18.90	54.54	480.07	-142.72	1.28
1271	1/21/2021 10:39	1/21/2021 11:01	0:21:51	-16.47	56.51	479.30	44.26	114.50	485.64	-140.70	3.30
1272	1/21/2021 11:01	1/21/2021 11:18	0:16:19	45.20	116.71	486.10	38.98	-159.42	491.57	-140.45	3.55
1273	1/21/2021 11:19	1/21/2021 11:21	0:02:10	35.78	-154.76	491.26	30.20	-148.02	490.69	-141.91	2.09
1274	1/21/2021 11:23	1/21/2021 11:24	0:01:20	26.58	-144.28	490.34	22.85	-140.79	490.03	-142.29	1.71
1275	1/21/2021 11:25	1/21/2021 11:37	0:12:31	19.99	-138.32	489.83	-17.17	-110.78	492.23	-140.71	3.29
1276	1/21/2021 11:38	1/21/2021 11:50	0:11:59	-18.62	-109.60	492.52	-47.49	-68.86	498.43	-140.38	3.62
1277	1/21/2021 11:51	1/21/2021 12:01	0:10:19	-48.46	-65.53	498.49	-46.94	-8.21	493.28	-140.06	3.94
1278	1/21/2021 12:02	1/21/2021 12:02	0:00:00	-44.28	-1.35	491.67	-44.28	-1.35	491.67	-143.97	0.03
1279	1/21/2021 12:05	1/21/2021 12:08	0:03:29	-39.73	7.40	489.13	-31.06	19.05	484.83	-143.46	0.54
1280	1/21/2021 12:08	1/21/2021 12:09	0:00:50	-29.73	20.52	484.22	-27.46	22.87	483.24	-143.26	0.74
1281	1/21/2021 12:10	1/21/2021 12:13	0:02:11	-24.69	25.55	482.10	-18.49	30.96	479.86	-142.73	1.27
1282	1/21/2021 12:13	1/21/2021 12:35	0:22:09	-17.03	32.14	479.40	44.53	91.20	485.74	-140.87	3.13
1283	1/21/2021 12:36	1/21/2021 12:52	0:16:10	45.46	93.44	486.19	39.03	176.58	491.60	-140.66	3.34
1284	1/21/2021 12:52	1/21/2021 12:53	0:00:11	37.86	178.37	491.49	37.46	178.96	491.45	-143.89	0.11
1285	1/21/2021 12:53	1/21/2021 12:56	0:02:19	35.43	-178.21	491.25	29.37	-171.05	490.65	-141.88	2.12
1286	1/21/2021 12:56	1/21/2021 12:58	0:01:49	27.56	-169.18	490.47	22.44	-164.36	490.04	-142.15	1.85
1287	1/21/2021 12:59	1/21/2021 13:12	0:12:20	19.58	-161.89	489.85	-17.10	-134.76	492.24	-140.72	3.28
1288	1/21/2021 13:12	1/21/2021 13:24	0:12:00	-19.04	-133.18	492.61	-47.71	-92.08	498.41	-140.12	3.88
1289	1/21/2021 13:25	1/21/2021 13:35	0:10:10	-48.66	-88.72	498.47	-46.98	-32.25	493.24	-140.35	3.65
1290	1/21/2021 13:37	1/21/2021 13:37	0:00:00	-44.01	-24.65	491.44	-44.01	-24.65	491.44	-144.00	0.00
1291	1/21/2021 13:37	1/21/2021 13:37	0:00:00	-42.67	-21.85	490.68	-42.67	-21.85	490.68	-143.97	0.03
1292	1/21/2021 13:39	1/21/2021 13:41	0:01:59	-39.78	-16.61	489.09	-34.99	-9.62	486.63	-143.48	0.52
1293	1/21/2021 13:41	1/21/2021 13:42	0:00:59	-33.30	-7.48	485.81	-30.68	-4.44	484.59	-143.54	0.46
1294	1/21/2021 13:43	1/21/2021 13:44	0:00:39	-28.89	-2.52	483.79	-27.07	-0.66	483.01	-143.19	0.81
1295	1/21/2021 13:45	1/21/2021 14:09	0:24:20	-23.34	2.86	481.51	44.49	67.18	485.69	-140.67	3.33
1296	1/21/2021 14:10	1/21/2021 14:27	0:16:59	45.42	69.41	486.15	37.12	155.54	491.42	-140.45	3.55
1297	1/21/2021 14:28	1/21/2021 14:30	0:02:11	34.65	158.88	491.18	28.98	165.44	490.61	-141.91	2.09
1298	1/21/2021 14:31	1/21/2021 14:32	0:01:50	27.17	167.30	490.44	22.03	172.08	490.02	-142.31	1.69
1299	1/21/2021 14:34	1/21/2021 14:46	0:12:20	19.16	174.53	489.83	-17.52	-158.35	492.35	-140.67	3.33
1300	1/21/2021 14:46	1/21/2021 14:58	0:11:50	-19.46	-156.76	492.73	-47.68	-116.12	498.44	-140.27	3.73
1301	1/21/2021 14:59	1/21/2021 15:09	0:10:19	-48.63	-112.76	498.50	-46.75	-55.48	493.10	-140.18	3.82
1302	1/21/2021 15:11	1/21/2021 15:11	0:00:00	-44.05	-48.67	491.47	-44.05	-48.67	491.47	-143.97	0.03
1303	1/21/2021 15:12	1/21/2021 15:12	0:00:09	-42.37	-45.18	490.51	-42.02	-44.51	490.31	-143.92	0.08
1304	1/21/2021 15:13	1/21/2021 15:14	0:01:21	-39.83	-40.62	489.11	-36.70	-35.85	487.47	-143.55	0.45
1305	1/21/2021 15:16	1/21/2021 15:17	0:00:50	-32.50	-30.44	485.41	-30.30	-27.95	484.40	-143.59	0.41
1306	1/21/2021 15:17	1/21/2021 15:18	0:00:40	-28.50	-26.03	483.60	-26.67	-24.19	482.82	-143.04	0.96
1307	1/21/2021 15:19	1/21/2021 15:44	0:24:19	-22.93	-20.69	481.34	44.77	43.89	485.77	-140.79	3.21
1308	1/21/2021 15:44	1/21/2021 16:01	0:16:51	45.68	46.14	486.22	37.17	131.54	491.37	-140.75	3.25
1309	1/21/2021 16:02	1/21/2021 16:04	0:02:00	33.86	135.96	491.05	28.59	141.92	490.53	-141.95	2.05
1310	1/21/2021 16:05	1/21/2021 16:07	0:02:10	27.23	143.31	490.40	21.14	148.93	489.91	-142.48	1.52
1311	1/21/2021 16:08	1/21/2021 16:20	0:12:19	18.74	150.95	489.76	-17.94	178.07	492.39	-140.60	3.40
1312	1/21/2021 16:21	1/21/2021 16:33	0:12:00	-19.39	179.26	492.68	-47.89	-139.32	498.40	-140.27	3.73
1313	1/21/2021 16:33	1/21/2021 16:44	0:10:11	-48.82	-135.94	498.45	-46.78	-79.51	493.07	-140.43	3.57
1314	1/21/2021 16:45	1/21/2021 16:45	0:00:00	-43.77	-71.97	491.25	-43.77	-71.97	491.25	-143.96	0.04
1315	1/21/2021 16:46	1/21/2021 16:46	0:00:20	-42.42	-69.19	490.48	-41.71	-67.85	490.09	-143.90	0.10
1316	1/21/2021 16:47	1/21/2021 16:48	0:01:11	-39.88	-64.63	489.09	-37.15	-60.42	487.65	-143.45	0.55
1317	1/21/2021 16:50	1/21/2021 16:51	0:00:50	-32.12	-53.92	485.18	-29.91	-51.45	484.17	-143.62	0.38
1318	1/21/2021 16:52	1/21/2021 16:52	0:00:41	-28.11	-49.55	483.37	-26.27	-47.72	482.60	-142.85	1.15
1319	1/21/2021 16:54	1/21/2021 17:18	0:24:10	-22.52	-44.25	481.13	44.73	19.87	485.74	-140.68	3.32
1320	1/21/2021 17:18	1/21/2021 17:35	0:17:00	45.64	22.12	486.19	36.82	108.12	491.33	-140.66	3.34

Table 12 Departure GN 3 Mbps (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)
1321	1/21/2021 17:37	1/21/2021 17:42	0:04:51	33.49	112.49	491.01	20.25	125.77	489.87	-142.03	1.97
1322	1/21/2021 17:42	1/21/2021 17:54	0:12:20	18.32	127.37	489.76	-18.37	154.49	492.50	-140.53	3.47
1323	1/21/2021 17:55	1/21/2021 18:07	0:11:50	-19.81	155.69	492.79	-47.86	-163.35	498.39	-140.22	3.78
1324	1/21/2021 18:08	1/21/2021 18:18	0:10:10	-48.79	-159.97	498.43	-46.82	-103.53	493.05	-140.33	3.67
1325	1/21/2021 18:19	1/21/2021 18:19	0:00:00	-43.48	-95.28	491.05	-43.48	-95.28	491.05	-143.96	0.04
1326	1/21/2021 18:20	1/21/2021 18:20	0:00:30	-42.46	-93.20	490.47	-41.40	-91.20	489.88	-143.86	0.14
1327	1/21/2021 18:21	1/21/2021 18:22	0:00:41	-39.55	-88.01	488.87	-38.00	-85.58	488.05	-143.49	0.51
1328	1/21/2021 18:25	1/21/2021 18:25	0:00:50	-31.74	-77.40	484.96	-29.52	-74.95	483.96	-143.64	0.36
1329	1/21/2021 18:26	1/21/2021 18:27	0:00:41	-27.71	-73.07	483.17	-25.86	-71.26	482.40	-142.94	1.06
1330	1/21/2021 18:28	1/21/2021 18:52	0:24:10	-22.10	-67.81	480.94	45.00	-3.40	485.89	-140.59	3.41
1331	1/21/2021 18:53	1/21/2021 19:10	0:17:00	45.90	-1.13	486.34	36.46	84.69	491.36	-140.85	3.15
1332	1/21/2021 19:11	1/21/2021 19:16	0:05:00	33.12	89.02	491.03	19.34	102.60	489.86	-142.17	1.83
1333	1/21/2021 19:16	1/21/2021 19:29	0:12:10	17.89	103.79	489.78	-18.31	130.51	492.51	-140.70	3.30
1334	1/21/2021 19:29	1/21/2021 19:41	0:11:50	-20.23	132.11	492.89	-48.07	173.45	498.42	-140.27	3.73
1335	1/21/2021 19:42	1/21/2021 19:52	0:10:11	-48.98	176.86	498.45	-46.58	-126.77	492.93	-140.41	3.59
1336	1/21/2021 19:54	1/21/2021 19:54	0:00:09	-43.52	-119.30	491.10	-43.19	-118.60	490.91	-143.97	0.03
1337	1/21/2021 19:54	1/21/2021 19:55	0:00:19	-42.16	-116.54	490.33	-41.45	-115.21	489.93	-143.80	0.20
1338	1/21/2021 19:56	1/21/2021 19:56	0:00:19	-39.21	-111.40	488.73	-38.44	-110.18	488.32	-143.79	0.21
1339	1/21/2021 19:59	1/21/2021 20:00	0:00:50	-31.35	-100.89	484.83	-29.12	-98.46	483.82	-143.70	0.30
1340	1/21/2021 20:00	1/21/2021 20:01	0:00:39	-27.31	-96.60	483.04	-25.46	-94.80	482.28	-143.13	0.87
1341	1/21/2021 20:02	1/21/2021 20:26	0:24:10	-22.16	-91.79	481.01	44.96	-27.42	485.92	-140.12	3.88
1342	1/21/2021 20:27	1/21/2021 20:44	0:17:10	45.86	-25.15	486.37	36.11	61.25	491.31	-140.85	3.15
1343	1/21/2021 20:45	1/21/2021 21:03	0:17:39	32.74	65.54	490.97	-18.73	106.93	492.57	-140.73	3.27
1344	1/21/2021 21:03	1/21/2021 21:16	0:12:01	-20.17	108.14	492.86	-48.28	150.26	498.54	-140.22	3.78
1345	1/21/2021 21:16	1/21/2021 21:26	0:10:10	-48.95	152.82	498.57	-46.61	-150.80	493.15	-140.46	3.54
1346	1/21/2021 21:28	1/21/2021 21:29	0:01:00	-43.23	-142.62	491.14	-41.13	-138.57	489.97	-143.84	0.16
1347	1/21/2021 21:33	1/21/2021 21:34	0:00:41	-30.97	-124.39	484.86	-29.18	-122.45	484.06	-143.69	0.31
1348	1/21/2021 21:34	1/21/2021 21:35	0:00:50	-27.37	-120.59	483.27	-25.05	-118.34	482.32	-143.21	0.79
1349	1/21/2021 21:36	1/21/2021 22:18	0:41:51	-21.75	-115.35	481.06	35.75	37.80	491.10	-140.57	3.43
1350	1/21/2021 22:19	1/21/2021 22:37	0:17:50	32.80	41.55	490.80	-19.14	83.35	492.57	-140.77	3.23
1351	1/21/2021 22:38	1/21/2021 22:50	0:11:49	-20.58	84.56	492.87	-48.25	126.22	498.60	-140.12	3.88
1352	1/21/2021 22:50	1/21/2021 23:00	0:10:10	-48.92	128.78	498.63	-46.65	-174.83	493.32	-140.38	3.62
1353	1/21/2021 23:02	1/21/2021 23:03	0:00:59	-43.28	-166.64	491.32	-41.18	-162.58	490.15	-143.86	0.14
1354	1/21/2021 23:08	1/21/2021 23:08	0:00:39	-30.59	-147.89	484.85	-28.80	-145.97	484.05	-143.76	0.24
1355	1/21/2021 23:09	1/21/2021 23:10	0:01:00	-26.51	-143.67	483.07	-23.71	-141.03	481.95	-143.33	0.67
1356	1/21/2021 23:11	1/21/2021 23:21	0:10:10	-21.82	-139.34	481.23	8.50	-116.80	476.08	-141.13	2.87
1357	1/21/2021 23:21	1/21/2021 23:53	0:31:21	10.00	-115.71	476.16	35.39	14.36	490.91	-140.49	3.51
1358	1/21/2021 23:54	1/21/2021 23:56	0:02:21	32.86	17.55	490.65	26.61	24.29	490.03	-142.33	1.67
1359	1/21/2021 23:57	1/22/2021 0:12	0:14:50	24.29	26.50	489.83	-19.56	59.77	492.55	-140.78	3.22
1360	1/22/2021 0:12	1/22/2021 0:35	0:22:30	-21.00	60.99	492.85	-46.41	161.93	493.14	-139.95	4.05
1361	1/22/2021 0:36	1/22/2021 0:38	0:01:01	-42.98	170.05	491.13	-40.86	174.06	489.96	-143.90	0.10
1362	1/22/2021 0:42	1/22/2021 0:42	0:00:50	-30.65	-171.88	484.86	-28.40	-169.49	483.87	-143.76	0.24
1363	1/22/2021 0:43	1/22/2021 0:45	0:01:11	-26.11	-167.20	482.90	-22.83	-164.15	481.61	-143.41	0.59
1364	1/22/2021 0:45	1/22/2021 0:48	0:02:40	-21.40	-162.90	481.08	-13.62	-156.60	478.63	-141.86	2.14
1365	1/22/2021 0:48	1/22/2021 0:55	0:06:59	-12.13	-155.48	478.25	8.93	-140.41	476.11	-141.16	2.84
1366	1/22/2021 0:56	1/22/2021 1:27	0:31:20	10.43	-139.31	476.20	35.03	-9.09	490.85	-140.46	3.54
1367	1/22/2021 1:28	1/22/2021 1:30	0:02:31	32.91	-6.44	490.63	26.21	0.76	489.97	-142.37	1.63
1368	1/22/2021 1:31	1/22/2021 1:46	0:14:39	23.88	2.95	489.77	-19.50	35.80	492.50	-140.86	3.14
1369	1/22/2021 1:46	1/22/2021 2:09	0:22:39	-20.94	37.01	492.80	-46.16	138.69	492.96	-140.06	3.94
1370	1/22/2021 2:11	1/22/2021 2:12	0:00:59	-43.03	146.03	491.12	-40.91	150.05	489.95	-143.93	0.07
1371	1/22/2021 2:16	1/22/2021 2:17	0:00:39	-30.26	164.62	484.66	-28.46	166.53	483.86	-143.83	0.17
1372	1/22/2021 2:18	1/22/2021 2:22	0:04:10	-25.24	169.71	482.52	-13.19	179.80	478.49	-142.03	1.97
1373	1/22/2021 2:23	1/22/2021 2:29	0:06:59	-11.70	-179.08	478.12	9.37	-164.02	476.10	-141.25	2.75
1374	1/22/2021 2:30	1/22/2021 2:52	0:22:10	10.86	-162.92	476.19	50.97	-73.39	491.28	-140.60	3.40
1375	1/22/2021 2:53	1/22/2021 3:01	0:08:39	50.58	-70.57	491.40	34.67	-32.54	490.80	-140.50	3.50
1376	1/22/2021 3:02	1/22/2021 3:05	0:02:40	33.40	-30.95	490.67	26.26	-23.22	489.98	-142.26	1.74
1377	1/22/2021 3:05	1/22/2021 3:20	0:14:41	23.47	-20.60	489.75	-19.92	12.23	492.62	-140.91	3.09
1378	1/22/2021 3:21	1/22/2021 3:43	0:22:39	-21.36	13.45	492.93	-45.91	115.44	492.75	-139.78	4.22
1379	1/22/2021 3:45	1/22/2021 3:45	0:00:21	-42.73	122.71	490.89	-42.03	124.07	490.50	-143.92	0.08
1380	1/22/2021 3:46	1/22/2021 3:46	0:00:00	-40.96	126.05	489.91	-40.96	126.05	489.91	-143.99	0.01

Table 12 Departure GN 3 Mbps (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)
1381	1/22/2021 3:50	1/22/2021 3:51	0:00:20	-29.87	141.12	484.41	-28.97	142.08	484.01	-143.81	0.19
1382	1/22/2021 3:52	1/22/2021 4:04	0:11:30	-24.83	146.17	482.28	9.31	172.02	476.03	-141.13	2.87
1383	1/22/2021 4:04	1/22/2021 4:26	0:22:11	10.80	173.11	476.13	50.99	-97.43	491.33	-140.52	3.48
1384	1/22/2021 4:27	1/22/2021 4:39	0:12:00	50.60	-94.61	491.45	25.86	-46.75	490.03	-140.30	3.70
1385	1/22/2021 4:40	1/22/2021 4:55	0:14:41	23.05	-44.15	489.81	-20.34	-11.34	492.84	-140.84	3.16
1386	1/22/2021 4:55	1/22/2021 5:18	0:22:40	-21.77	-10.11	493.14	-45.65	92.18	492.63	-140.13	3.87
1387	1/22/2021 5:19	1/22/2021 5:19	0:00:09	-43.78	96.60	491.52	-43.45	97.31	491.33	-143.96	0.04
1388	1/22/2021 5:19	1/22/2021 5:19	0:00:00	-42.43	99.38	490.75	-42.43	99.38	490.75	-143.98	0.02
1389	1/22/2021 5:25	1/22/2021 5:25	0:00:09	-29.48	117.62	484.21	-29.03	118.09	484.01	-143.80	0.20
1390	1/22/2021 5:27	1/22/2021 5:38	0:11:19	-23.95	123.06	481.89	9.74	148.41	475.96	-141.11	2.89
1391	1/22/2021 5:39	1/22/2021 6:13	0:34:39	11.24	149.51	476.06	25.45	-70.29	490.01	-140.13	3.87
1392	1/22/2021 6:14	1/22/2021 6:52	0:38:01	23.11	-68.13	489.84	-45.39	68.91	492.58	-139.98	4.02
1393	1/22/2021 6:53	1/22/2021 6:53	0:00:09	-43.82	72.58	491.64	-43.49	73.29	491.45	-143.95	0.05
1394	1/22/2021 6:59	1/22/2021 6:59	0:00:11	-29.09	94.10	484.06	-28.64	94.58	483.85	-143.87	0.13
1395	1/22/2021 7:01	1/22/2021 7:12	0:11:20	-23.55	99.50	481.72	10.18	124.80	475.85	-141.02	2.98
1396	1/22/2021 7:13	1/22/2021 7:35	0:22:00	11.67	125.91	475.96	50.90	-144.57	491.09	-140.53	3.47
1397	1/22/2021 7:35	1/22/2021 7:47	0:12:00	50.48	-141.76	491.22	25.51	-94.27	489.96	-139.96	4.04
1398	1/22/2021 7:48	1/22/2021 7:52	0:03:50	22.70	-91.68	489.76	11.53	-82.67	489.37	-142.16	1.84
1399	1/22/2021 7:53	1/22/2021 8:03	0:10:20	10.04	-81.57	489.38	-20.70	-58.89	493.09	-140.96	3.04
1400	1/22/2021 8:03	1/22/2021 8:26	0:22:41	-22.13	-57.65	493.40	-45.43	44.90	492.62	-140.27	3.73
1401	1/22/2021 8:27	1/22/2021 8:27	0:00:30	-44.19	47.85	491.87	-43.20	49.98	491.29	-143.91	0.09
1402	1/22/2021 8:33	1/22/2021 8:33	0:00:00	-28.69	70.59	483.88	-28.69	70.59	483.88	-143.93	0.07
1403	1/22/2021 8:35	1/22/2021 8:46	0:11:10	-23.13	75.96	481.56	10.11	100.83	475.82	-141.08	2.92
1404	1/22/2021 8:47	1/22/2021 9:14	0:26:29	12.10	102.31	475.96	44.55	-144.93	491.57	-140.00	4.00
1405	1/22/2021 9:14	1/22/2021 9:22	0:07:29	43.58	-142.77	491.52	25.10	-117.81	490.00	-141.88	2.12
1406	1/22/2021 9:22	1/22/2021 9:24	0:01:40	22.76	-115.66	489.83	17.96	-111.59	489.58	-142.21	1.79
1407	1/22/2021 9:25	1/22/2021 9:27	0:01:40	16.02	-110.03	489.51	11.10	-106.28	489.45	-142.53	1.47
1408	1/22/2021 9:27	1/22/2021 10:01	0:33:21	9.11	-104.82	489.47	-45.17	21.62	492.53	-140.19	3.81
1409	1/22/2021 10:01	1/22/2021 10:02	0:00:39	-44.23	23.83	491.97	-42.90	26.66	491.19	-143.87	0.13
1410	1/22/2021 10:04	1/22/2021 10:04	0:00:00	-37.32	36.16	488.12	-37.32	36.16	488.12	-143.97	0.03
1411	1/22/2021 10:10	1/22/2021 10:21	0:11:11	-22.72	52.40	481.43	10.55	77.23	475.82	-140.87	3.13
1412	1/22/2021 10:21	1/22/2021 10:48	0:26:29	12.04	78.34	475.94	44.59	-168.95	491.62	-139.86	4.14
1413	1/22/2021 10:48	1/22/2021 10:56	0:07:40	43.62	-166.79	491.58	24.70	-141.35	490.03	-141.86	2.14
1414	1/22/2021 10:57	1/22/2021 10:58	0:01:59	23.29	-140.06	489.93	17.54	-135.18	489.63	-142.32	1.68
1415	1/22/2021 10:59	1/22/2021 11:01	0:01:40	15.59	-133.63	489.56	10.67	-129.89	489.51	-142.40	1.60
1416	1/22/2021 11:01	1/22/2021 11:35	0:33:10	8.68	-128.43	489.54	-45.21	-2.40	492.48	-140.39	3.61
1417	1/22/2021 11:35	1/22/2021 11:36	0:00:39	-44.27	-0.19	491.92	-42.95	2.64	491.14	-143.87	0.13
1418	1/22/2021 11:44	1/22/2021 11:55	0:11:00	-21.83	29.26	481.02	10.98	53.62	475.81	-141.03	2.97
1419	1/22/2021 11:56	1/22/2021 12:22	0:26:20	12.47	54.74	475.93	44.63	167.03	491.64	-140.11	3.89
1420	1/22/2021 12:23	1/22/2021 12:28	0:04:59	43.34	169.90	491.59	31.56	-172.33	490.65	-141.85	2.15
1421	1/22/2021 12:28	1/22/2021 12:33	0:04:29	30.23	-170.85	490.53	17.61	-159.15	489.67	-141.86	2.14
1422	1/22/2021 12:33	1/22/2021 12:35	0:01:40	15.17	-157.22	489.60	10.24	-153.49	489.56	-142.23	1.77
1423	1/22/2021 12:36	1/22/2021 13:08	0:32:00	8.25	-152.04	489.59	-46.97	-31.08	493.52	-140.39	3.61
1424	1/22/2021 13:08	1/22/2021 13:10	0:01:40	-46.13	-28.71	492.99	-42.99	-21.37	491.10	-143.69	0.31
1425	1/22/2021 13:18	1/22/2021 13:30	0:11:01	-21.42	5.69	480.80	11.41	30.02	475.79	-141.18	2.82
1426	1/22/2021 13:30	1/22/2021 13:32	0:01:40	12.90	31.14	475.93	17.81	34.98	476.58	-141.10	2.90
1427	1/22/2021 13:32	1/22/2021 13:56	0:24:01	19.27	36.17	476.84	44.67	143.01	491.64	-140.27	3.73
1428	1/22/2021 13:57	1/22/2021 14:02	0:05:11	43.38	145.89	491.59	31.18	164.19	490.61	-141.70	2.30
1429	1/22/2021 14:03	1/22/2021 14:07	0:04:29	29.85	165.65	490.50	17.18	177.27	489.67	-141.87	2.13
1430	1/22/2021 14:08	1/22/2021 14:09	0:01:20	14.25	179.57	489.59	10.30	-177.46	489.57	-142.03	1.97
1431	1/22/2021 14:10	1/22/2021 14:44	0:33:51	7.31	-175.29	489.63	-43.04	-45.39	491.12	-140.51	3.49
1432	1/22/2021 14:53	1/22/2021 14:55	0:01:51	-21.00	-17.87	480.62	-15.66	-13.50	478.84	-143.25	0.75
1433	1/22/2021 14:55	1/22/2021 15:04	0:08:30	-14.19	-12.36	478.41	11.35	6.05	475.75	-141.22	2.78
1434	1/22/2021 15:04	1/22/2021 15:06	0:01:40	13.33	7.54	475.93	18.24	11.40	476.61	-141.06	2.94
1435	1/22/2021 15:06	1/22/2021 15:30	0:23:51	19.69	12.60	476.88	44.71	119.00	491.58	-140.17	3.83
1436	1/22/2021 15:31	1/22/2021 15:31	0:00:30	43.42	121.87	491.53	42.40	123.95	491.48	-142.69	1.31
1437	1/22/2021 15:32	1/22/2021 15:35	0:03:09	41.34	125.95	491.41	33.83	137.13	490.80	-141.67	2.33
1438	1/22/2021 15:36	1/22/2021 15:36	0:00:30	32.54	138.69	490.69	31.23	140.20	490.57	-143.21	0.79
1439	1/22/2021 15:37	1/22/2021 15:40	0:03:00	29.46	142.15	490.42	21.10	150.09	489.81	-141.83	2.17
1440	1/22/2021 15:41	1/22/2021 15:41	0:00:50	19.18	151.71	489.71	16.76	153.68	489.61	-142.79	1.21

Table 12 Departure GN 3 Mbps (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)
1441	1/22/2021 15:42	1/22/2021 15:44	0:01:19	13.82	155.97	489.54	9.87	158.93	489.53	-141.97	2.03
1442	1/22/2021 15:45	1/22/2021 16:14	0:29:01	6.88	161.10	489.60	-50.27	-92.07	495.86	-140.52	3.48
1443	1/22/2021 16:14	1/22/2021 16:16	0:02:10	-49.75	-89.35	495.44	-46.77	-78.33	493.34	-142.16	1.84
1444	1/22/2021 16:17	1/22/2021 16:18	0:01:31	-45.92	-75.98	492.81	-43.08	-69.39	491.10	-143.70	0.30
1445	1/22/2021 16:27	1/22/2021 16:29	0:01:29	-20.10	-41.03	480.25	-15.72	-37.47	478.81	-143.25	0.75
1446	1/22/2021 16:30	1/22/2021 16:38	0:08:29	-13.75	-35.95	478.24	11.79	-17.55	475.75	-141.43	2.57
1447	1/22/2021 16:38	1/22/2021 17:04	0:26:00	13.27	-16.43	475.89	44.75	94.99	491.57	-140.16	3.84
1448	1/22/2021 17:05	1/22/2021 17:06	0:00:30	43.46	97.87	491.52	42.44	99.94	491.47	-142.80	1.20
1449	1/22/2021 17:06	1/22/2021 17:07	0:00:50	41.38	101.95	491.40	39.53	105.13	491.27	-142.72	1.28
1450	1/22/2021 17:08	1/22/2021 17:09	0:01:59	38.37	106.96	491.18	33.45	113.67	490.76	-141.66	2.34
1451	1/22/2021 17:10	1/22/2021 17:11	0:00:31	32.16	115.21	490.65	30.84	116.71	490.53	-143.23	0.77
1452	1/22/2021 17:11	1/22/2021 17:14	0:02:51	29.06	118.64	490.38	21.16	126.12	489.82	-141.88	2.12
1453	1/22/2021 17:15	1/22/2021 17:16	0:00:50	18.76	128.14	489.70	16.33	130.10	489.61	-142.89	1.11
1454	1/22/2021 17:17	1/22/2021 17:18	0:01:20	13.39	132.38	489.55	9.43	135.33	489.56	-141.85	2.15
1455	1/22/2021 17:19	1/22/2021 17:48	0:29:00	6.44	137.49	489.64	-50.13	-115.19	495.70	-140.04	3.96
1456	1/22/2021 17:48	1/22/2021 17:53	0:04:01	-49.59	-112.48	495.27	-43.12	-93.40	491.08	-142.09	1.91
1457	1/22/2021 18:02	1/22/2021 18:03	0:01:20	-19.19	-64.19	479.89	-15.29	-61.06	478.64	-143.24	0.76
1458	1/22/2021 18:04	1/22/2021 18:12	0:08:30	-13.32	-59.54	478.08	12.22	-41.15	475.75	-141.32	2.68
1459	1/22/2021 18:13	1/22/2021 18:14	0:01:40	13.71	-40.02	475.90	18.61	-36.15	476.61	-141.11	2.89
1460	1/22/2021 18:15	1/22/2021 18:39	0:23:39	20.06	-34.94	476.88	44.79	70.97	491.63	-140.51	3.49
1461	1/22/2021 18:39	1/22/2021 18:40	0:00:30	43.50	73.86	491.58	42.48	75.94	491.53	-142.98	1.02
1462	1/22/2021 18:41	1/22/2021 18:41	0:00:39	41.06	78.60	491.44	39.57	81.13	491.34	-142.80	1.20
1463	1/22/2021 18:42	1/22/2021 18:44	0:01:49	38.03	83.56	491.22	33.50	89.68	490.82	-141.71	2.29
1464	1/22/2021 18:44	1/22/2021 18:45	0:00:30	31.77	91.73	490.67	30.45	93.22	490.56	-143.17	0.83
1465	1/22/2021 18:45	1/22/2021 18:48	0:02:41	28.66	95.13	490.40	21.21	102.15	489.87	-141.92	2.08
1466	1/22/2021 18:49	1/22/2021 18:50	0:01:00	18.81	104.17	489.75	15.90	106.51	489.64	-142.80	1.20
1467	1/22/2021 18:51	1/22/2021 18:52	0:01:20	12.95	108.78	489.59	8.99	111.72	489.61	-141.63	2.37
1468	1/22/2021 18:53	1/22/2021 19:22	0:28:50	6.00	113.88	489.70	-50.14	-139.22	495.74	-140.00	4.00
1469	1/22/2021 19:23	1/22/2021 19:27	0:03:59	-49.61	-136.52	495.31	-43.16	-117.41	491.13	-141.89	2.11
1470	1/22/2021 19:36	1/22/2021 19:37	0:01:09	-18.76	-87.77	479.79	-15.35	-85.03	478.71	-143.25	0.75
1471	1/22/2021 19:38	1/22/2021 19:47	0:08:30	-12.88	-83.14	478.02	12.66	-64.74	475.85	-141.30	2.70
1472	1/22/2021 19:47	1/22/2021 19:49	0:01:40	14.14	-63.62	476.01	19.03	-59.72	476.75	-141.14	2.86
1473	1/22/2021 19:49	1/22/2021 20:13	0:23:39	20.48	-58.51	477.02	44.51	47.69	491.62	-140.43	3.57
1474	1/22/2021 20:14	1/22/2021 20:14	0:00:30	43.54	49.85	491.58	42.52	51.93	491.53	-143.06	0.94
1475	1/22/2021 20:15	1/22/2021 20:15	0:00:50	41.11	54.59	491.44	39.24	57.75	491.30	-142.97	1.03
1476	1/22/2021 20:16	1/22/2021 20:18	0:01:50	38.07	59.56	491.21	33.55	65.69	490.81	-141.65	2.35
1477	1/22/2021 20:18	1/22/2021 20:19	0:00:31	31.83	67.74	490.65	30.51	69.23	490.53	-142.96	1.04
1478	1/22/2021 20:20	1/22/2021 20:22	0:02:29	28.26	71.61	490.34	21.27	78.17	489.83	-141.92	2.08
1479	1/22/2021 20:23	1/22/2021 20:25	0:01:10	18.39	80.59	489.68	14.98	83.30	489.57	-142.56	1.44
1480	1/22/2021 20:25	1/22/2021 20:27	0:01:21	12.52	85.18	489.54	8.55	88.11	489.57	-141.64	2.36
1481	1/22/2021 20:28	1/22/2021 20:56	0:28:41	5.56	90.27	489.66	-50.16	-163.27	495.93	-139.37	4.63
1482	1/22/2021 20:57	1/22/2021 21:01	0:03:50	-49.44	-159.67	495.36	-43.20	-141.43	491.36	-141.79	2.21
1483	1/22/2021 21:11	1/22/2021 21:11	0:00:50	-18.34	-111.35	479.84	-15.90	-109.39	479.06	-143.29	0.71
1484	1/22/2021 21:12	1/22/2021 21:47	0:34:50	-12.95	-107.12	478.22	44.55	23.67	491.48	-140.48	3.52
1485	1/22/2021 21:48	1/22/2021 21:48	0:00:20	43.25	26.53	491.42	42.57	27.91	491.38	-143.12	0.88
1486	1/22/2021 21:49	1/22/2021 21:50	0:00:50	41.15	30.58	491.29	39.29	33.74	491.15	-143.02	0.98
1487	1/22/2021 21:50	1/22/2021 21:52	0:02:00	38.12	35.55	491.05	33.18	42.22	490.61	-141.71	2.29
1488	1/22/2021 21:53	1/22/2021 21:56	0:03:39	31.44	44.25	490.45	21.33	54.19	489.66	-141.94	2.06
1489	1/22/2021 21:58	1/22/2021 21:59	0:01:29	18.45	56.61	489.52	14.06	60.09	489.39	-142.26	1.74
1490	1/22/2021 22:00	1/22/2021 22:01	0:01:20	12.09	61.58	489.37	8.12	64.50	489.41	-141.76	2.24
1491	1/22/2021 22:02	1/22/2021 22:31	0:28:50	5.62	66.29	489.50	-50.02	173.60	495.96	-139.75	4.25
1492	1/22/2021 22:31	1/22/2021 22:35	0:03:50	-49.47	176.30	495.53	-43.24	-165.44	491.55	-141.63	2.37
1493	1/22/2021 22:45	1/22/2021 22:46	0:00:41	-17.92	-134.93	479.86	-15.97	-133.37	479.24	-143.33	0.67
1494	1/22/2021 22:47	1/22/2021 22:55	0:08:30	-12.52	-130.72	478.25	13.02	-112.32	476.08	-140.89	3.11
1495	1/22/2021 22:56	1/22/2021 22:57	0:01:40	14.51	-111.19	476.23	19.39	-107.28	476.96	-141.11	2.89
1496	1/22/2021 22:58	1/22/2021 23:21	0:23:29	20.83	-106.06	477.23	44.59	-0.35	491.31	-140.33	3.67
1497	1/22/2021 23:22	1/22/2021 23:22	0:00:19	43.29	2.51	491.25	42.61	3.89	491.22	-143.16	0.84
1498	1/22/2021 23:23	1/22/2021 23:24	0:00:50	40.83	7.21	491.10	38.95	10.35	490.95	-143.27	0.73
1499	1/22/2021 23:25	1/22/2021 23:26	0:01:59	37.78	12.14	490.85	32.81	18.74	490.40	-141.78	2.22
1500	1/22/2021 23:27	1/22/2021 23:31	0:03:40	31.50	20.26	490.28	21.39	30.21	489.50	-141.93	2.07

Table 12 Departure GN 3 Mbps (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)
1501	1/22/2021 23:32	1/22/2021 23:33	0:01:29	18.03	33.03	489.34	13.63	36.49	489.22	-142.29	1.71
1502	1/22/2021 23:34	1/22/2021 23:35	0:01:19	11.66	37.98	489.21	7.68	40.89	489.28	-141.74	2.26
1503	1/22/2021 23:36	1/23/2021 0:05	0:28:41	5.18	42.68	489.38	-50.04	149.57	495.94	-139.54	4.46
1504	1/23/2021 0:05	1/23/2021 0:09	0:03:41	-49.29	153.15	495.37	-43.29	170.55	491.55	-141.56	2.44
1505	1/23/2021 0:19	1/23/2021 0:20	0:00:41	-17.49	-158.51	479.73	-15.54	-156.96	479.11	-143.38	0.62
1506	1/23/2021 0:21	1/23/2021 0:30	0:08:30	-12.08	-154.31	478.15	13.46	-135.92	476.13	-140.97	3.03
1507	1/23/2021 0:30	1/23/2021 0:32	0:01:40	14.94	-134.78	476.29	19.81	-130.85	477.04	-141.20	2.80
1508	1/23/2021 0:32	1/23/2021 0:56	0:23:20	21.25	-129.63	477.32	44.63	-24.37	491.29	-140.41	3.59
1509	1/23/2021 0:56	1/23/2021 0:57	0:00:30	43.34	-21.50	491.23	42.31	-19.43	491.17	-143.29	0.71
1510	1/23/2021 0:57	1/23/2021 1:01	0:03:20	40.88	-16.79	491.08	32.86	-5.25	490.38	-141.88	2.12
1511	1/23/2021 1:01	1/23/2021 1:05	0:03:30	31.12	-3.22	490.22	21.45	6.24	489.47	-141.84	2.16
1512	1/23/2021 1:06	1/23/2021 1:08	0:01:40	18.09	9.06	489.31	13.20	12.90	489.18	-142.25	1.75
1513	1/23/2021 1:08	1/23/2021 1:10	0:01:20	11.22	14.38	489.18	7.24	17.28	489.25	-141.66	2.34
1514	1/23/2021 1:10	1/23/2021 1:39	0:28:30	4.74	19.07	489.36	-50.06	125.54	495.93	-140.00	4.00
1515	1/23/2021 1:40	1/23/2021 1:44	0:03:41	-49.11	130.00	495.21	-42.99	147.24	491.35	-141.65	2.35
1516	1/23/2021 1:54	1/23/2021 1:54	0:00:30	-17.06	177.91	479.56	-15.60	179.07	479.11	-143.53	0.47
1517	1/23/2021 1:55	1/23/2021 2:04	0:08:41	-12.14	-178.28	478.14	13.89	-159.51	476.14	-141.08	2.92
1518	1/23/2021 2:04	1/23/2021 2:31	0:26:30	15.37	-158.37	476.31	42.35	-43.43	491.15	-140.28	3.72
1519	1/23/2021 2:32	1/23/2021 2:35	0:03:20	40.56	-40.14	491.03	32.48	-28.72	490.34	-142.01	1.99
1520	1/23/2021 2:35	1/23/2021 2:37	0:01:10	31.17	-27.21	490.22	28.04	-23.85	489.95	-141.90	2.10
1521	1/23/2021 2:37	1/23/2021 2:39	0:02:00	26.67	-22.48	489.84	21.03	-17.32	489.46	-141.64	2.36
1522	1/23/2021 2:40	1/23/2021 2:42	0:01:51	18.15	-14.91	489.32	12.77	-10.70	489.20	-142.13	1.87
1523	1/23/2021 2:43	1/23/2021 2:44	0:01:20	10.79	-9.22	489.21	6.80	-6.32	489.30	-141.65	2.35
1524	1/23/2021 2:45	1/23/2021 3:13	0:28:39	5.30	-5.25	489.36	-50.08	101.50	495.91	-139.85	4.15
1525	1/23/2021 3:14	1/23/2021 3:18	0:03:30	-48.93	106.84	495.03	-43.03	123.23	491.31	-141.72	2.28
1526	1/23/2021 3:28	1/23/2021 3:28	0:00:30	-16.63	154.33	479.35	-15.16	155.49	478.90	-143.71	0.29
1527	1/23/2021 3:30	1/23/2021 3:38	0:08:30	-11.70	158.12	477.95	13.84	176.52	476.08	-141.15	2.85
1528	1/23/2021 3:39	1/23/2021 3:40	0:01:40	15.31	177.67	476.26	20.18	-178.39	477.03	-141.08	2.92
1529	1/23/2021 3:41	1/23/2021 4:05	0:24:30	21.62	-177.16	477.32	42.04	-66.76	491.19	-140.44	3.56
1530	1/23/2021 4:06	1/23/2021 4:07	0:01:31	40.60	-64.14	491.10	37.13	-58.67	490.82	-143.57	0.43
1531	1/23/2021 4:08	1/23/2021 4:09	0:01:19	35.91	-56.97	490.72	32.53	-52.70	490.42	-142.07	1.93
1532	1/23/2021 4:10	1/23/2021 4:11	0:01:09	30.78	-50.69	490.26	27.64	-47.37	490.00	-141.85	2.15
1533	1/23/2021 4:12	1/23/2021 4:13	0:01:49	25.80	-45.56	489.86	20.61	-40.89	489.53	-141.65	2.35
1534	1/23/2021 4:15	1/23/2021 4:16	0:01:50	17.72	-38.49	489.40	12.33	-34.29	489.30	-142.05	1.95
1535	1/23/2021 4:17	1/23/2021 4:47	0:30:20	10.35	-32.82	489.32	-50.10	77.47	495.98	-140.09	3.91
1536	1/23/2021 4:48	1/23/2021 4:52	0:03:41	-48.95	82.81	495.10	-42.73	99.91	491.16	-141.62	2.38
1537	1/23/2021 5:02	1/23/2021 5:03	0:00:29	-16.20	130.75	479.16	-14.73	131.90	478.71	-143.86	0.14
1538	1/23/2021 5:03	1/23/2021 5:12	0:09:11	-13.25	133.03	478.29	14.27	152.93	476.03	-140.99	3.01
1539	1/23/2021 5:13	1/23/2021 5:15	0:01:41	15.74	154.08	476.21	20.60	158.05	477.00	-141.21	2.79
1540	1/23/2021 5:15	1/23/2021 5:39	0:24:21	22.04	159.29	477.29	42.08	-90.77	491.17	-140.61	3.39
1541	1/23/2021 5:40	1/23/2021 5:41	0:01:00	40.64	-88.14	491.08	38.36	-84.43	490.91	-143.42	0.58
1542	1/23/2021 5:42	1/23/2021 5:42	0:00:00	35.54	-80.41	490.68	35.54	-80.41	490.68	-143.70	0.30
1543	1/23/2021 5:43	1/23/2021 5:43	0:00:50	34.29	-78.78	490.57	32.15	-76.17	490.38	-142.13	1.87
1544	1/23/2021 5:44	1/23/2021 5:45	0:01:10	30.83	-74.68	490.27	27.69	-71.35	490.01	-141.83	2.17
1545	1/23/2021 5:46	1/23/2021 5:48	0:01:19	24.45	-68.22	489.78	20.67	-64.86	489.56	-141.61	2.39
1546	1/23/2021 5:49	1/23/2021 6:22	0:32:50	17.78	-62.46	489.44	-50.12	53.43	496.13	-140.17	3.83
1547	1/23/2021 6:23	1/23/2021 6:26	0:03:30	-48.77	59.64	495.09	-42.78	75.90	491.28	-141.58	2.42
1548	1/23/2021 6:37	1/23/2021 6:37	0:00:00	-15.29	107.54	478.84	-15.29	107.54	478.84	-143.99	0.01
1549	1/23/2021 6:38	1/23/2021 6:47	0:09:00	-12.82	109.44	478.12	14.21	128.96	475.87	-140.89	3.11
1550	1/23/2021 6:47	1/23/2021 7:14	0:26:31	16.17	130.49	476.11	41.77	-114.10	491.01	-140.43	3.57
1551	1/23/2021 7:14	1/23/2021 7:15	0:00:59	40.69	-112.14	490.94	38.41	-108.42	490.79	-143.20	0.80
1552	1/23/2021 7:16	1/23/2021 7:18	0:01:29	35.59	-104.39	490.57	31.76	-99.65	490.26	-142.14	1.86
1553	1/23/2021 7:18	1/23/2021 7:19	0:01:09	30.44	-98.17	490.15	27.28	-94.86	489.91	-141.73	2.27
1554	1/23/2021 7:21	1/23/2021 7:22	0:01:29	24.51	-92.19	489.72	20.24	-88.42	489.50	-141.66	2.34
1555	1/23/2021 7:23	1/23/2021 7:56	0:32:49	17.35	-86.03	489.40	-49.97	30.31	496.03	-140.22	3.78
1556	1/23/2021 7:57	1/23/2021 8:01	0:03:50	-48.79	35.62	495.13	-42.12	53.26	490.92	-141.77	2.23
1557	1/23/2021 8:12	1/23/2021 8:21	0:09:00	-12.38	85.84	477.98	14.64	105.37	475.89	-140.95	3.05
1558	1/23/2021 8:21	1/23/2021 8:45	0:23:30	16.12	106.52	476.08	47.39	-151.41	491.17	-140.68	3.32
1559	1/23/2021 8:45	1/23/2021 8:49	0:04:09	46.58	-149.00	491.19	38.06	-131.82	490.81	-142.79	1.21
1560	1/23/2021 8:51	1/23/2021 8:52	0:01:20	35.23	-127.83	490.59	31.81	-123.63	490.32	-142.09	1.91

Table 12 Departure GN 3 Mbps (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)
1561	1/23/2021 8:53	1/23/2021 8:54	0:00:59	30.05	-121.66	490.18	27.34	-118.84	489.98	-141.73	2.27
1562	1/23/2021 8:55	1/23/2021 8:57	0:01:50	24.56	-116.17	489.79	19.34	-111.59	489.53	-141.63	2.37
1563	1/23/2021 8:57	1/23/2021 9:30	0:32:51	17.40	-110.00	489.47	-49.99	6.27	496.14	-140.49	3.51
1564	1/23/2021 9:31	1/23/2021 9:35	0:03:50	-48.59	12.44	495.07	-41.81	29.92	490.81	-141.81	2.19
1565	1/23/2021 9:46	1/23/2021 9:55	0:08:59	-11.95	62.24	477.89	15.07	81.78	475.92	-140.98	3.02
1566	1/23/2021 9:56	1/23/2021 10:24	0:28:00	16.55	82.94	476.12	38.11	-155.82	490.88	-140.38	3.62
1567	1/23/2021 10:25	1/23/2021 10:25	0:00:00	34.86	-151.28	490.63	34.86	-151.28	490.63	-143.65	0.35
1568	1/23/2021 10:26	1/23/2021 10:26	0:00:50	33.59	-149.68	490.53	31.43	-147.12	490.36	-142.14	1.86
1569	1/23/2021 10:27	1/23/2021 10:28	0:01:09	30.10	-145.65	490.25	26.94	-142.37	490.02	-141.65	2.35
1570	1/23/2021 10:29	1/23/2021 10:31	0:02:00	24.62	-140.15	489.86	18.92	-135.16	489.58	-141.69	2.31
1571	1/23/2021 10:31	1/23/2021 11:04	0:32:51	17.46	-133.98	489.53	-50.01	-17.77	496.10	-140.59	3.41
1572	1/23/2021 11:05	1/23/2021 11:09	0:03:50	-48.62	-11.59	495.03	-41.86	5.91	490.76	-141.92	2.08
1573	1/23/2021 11:20	1/23/2021 11:29	0:08:51	-11.51	38.64	477.71	15.01	57.81	475.88	-140.95	3.05
1574	1/23/2021 11:30	1/23/2021 11:51	0:21:11	16.48	58.97	476.07	50.21	149.24	490.94	-140.58	3.42
1575	1/23/2021 11:51	1/23/2021 11:53	0:01:50	49.68	151.96	491.04	47.19	161.35	491.26	-140.87	3.13
1576	1/23/2021 11:54	1/23/2021 11:58	0:04:09	46.37	163.74	491.27	37.76	-179.23	490.89	-142.55	1.45
1577	1/23/2021 11:59	1/23/2021 12:00	0:01:20	34.91	-175.27	490.67	31.48	-171.11	490.40	-142.07	1.93
1578	1/23/2021 12:01	1/23/2021 12:02	0:01:20	30.16	-169.63	490.30	26.53	-165.90	490.03	-141.69	2.31
1579	1/23/2021 12:03	1/23/2021 12:05	0:02:10	24.68	-164.13	489.91	18.49	-158.74	489.61	-141.67	2.33
1580	1/23/2021 12:06	1/23/2021 12:10	0:04:00	17.04	-157.56	489.57	5.16	-148.70	489.74	-142.15	1.85
1581	1/23/2021 12:10	1/23/2021 12:39	0:28:11	3.16	-147.28	489.86	-49.86	-40.90	495.90	-140.65	3.35
1582	1/23/2021 12:39	1/23/2021 12:44	0:04:01	-48.65	-35.62	494.98	-41.55	-17.43	490.51	-142.00	2.00
1583	1/23/2021 12:55	1/23/2021 13:04	0:08:50	-11.08	15.04	477.53	15.44	34.22	475.89	-140.82	3.18
1584	1/23/2021 13:04	1/23/2021 13:27	0:23:20	16.91	35.38	476.09	47.22	137.33	491.25	-140.48	3.52
1585	1/23/2021 13:28	1/23/2021 13:30	0:02:11	46.41	139.72	491.27	42.29	149.21	491.18	-142.47	1.53
1586	1/23/2021 13:31	1/23/2021 13:32	0:01:29	41.23	151.20	491.12	37.81	156.78	490.90	-142.65	1.35
1587	1/23/2021 13:33	1/23/2021 13:33	0:00:10	34.96	160.74	490.68	34.54	161.28	490.65	-143.65	0.35
1588	1/23/2021 13:34	1/23/2021 13:37	0:02:40	33.27	162.87	490.55	26.13	170.57	490.01	-141.71	2.29
1589	1/23/2021 13:37	1/23/2021 13:40	0:02:21	24.74	171.90	489.92	18.07	177.68	489.61	-141.71	2.29
1590	1/23/2021 13:40	1/23/2021 13:44	0:03:59	16.61	178.86	489.57	4.72	-172.31	489.78	-142.13	1.87
1591	1/23/2021 13:45	1/23/2021 14:13	0:28:00	2.72	-170.89	489.92	-49.88	-64.93	495.94	-140.75	3.25
1592	1/23/2021 14:14	1/23/2021 14:17	0:02:50	-48.45	-58.80	494.85	-43.65	-45.55	491.75	-142.08	1.92
1593	1/23/2021 14:17	1/23/2021 14:18	0:00:41	-42.64	-43.46	491.15	-41.23	-40.78	490.33	-142.70	1.30
1594	1/23/2021 14:29	1/23/2021 15:00	0:30:20	-10.64	-8.56	477.40	50.08	102.09	490.88	-140.39	3.61
1595	1/23/2021 15:00	1/23/2021 15:04	0:04:20	49.54	104.79	490.97	42.34	125.20	491.11	-140.97	3.03
1596	1/23/2021 15:05	1/23/2021 15:06	0:01:29	40.91	127.85	491.04	37.46	133.37	490.81	-142.50	1.50
1597	1/23/2021 15:08	1/23/2021 15:08	0:00:20	35.01	136.75	490.63	34.17	137.83	490.56	-143.64	0.36
1598	1/23/2021 15:08	1/23/2021 15:16	0:07:49	32.89	139.40	490.46	10.77	159.40	489.51	-141.54	2.46
1599	1/23/2021 15:17	1/23/2021 15:18	0:01:40	9.28	160.50	489.54	4.28	164.08	489.77	-142.12	1.88
1600	1/23/2021 15:19	1/23/2021 15:47	0:27:50	2.28	165.49	489.91	-49.90	-88.96	495.91	-140.71	3.29
1601	1/23/2021 15:48	1/23/2021 15:51	0:02:51	-48.48	-82.82	494.83	-43.69	-69.55	491.73	-142.12	1.88
1602	1/23/2021 15:51	1/23/2021 15:52	0:00:31	-42.34	-66.78	490.93	-41.27	-64.78	490.31	-142.15	1.85
1603	1/23/2021 16:04	1/23/2021 16:39	0:35:10	-10.20	-32.16	477.25	42.03	101.88	491.08	-140.38	3.62
1604	1/23/2021 16:39	1/23/2021 16:41	0:01:29	40.95	103.85	491.03	37.51	109.38	490.80	-142.29	1.71
1605	1/23/2021 16:42	1/23/2021 16:42	0:00:10	34.64	113.31	490.59	34.22	113.84	490.56	-143.56	0.44
1606	1/23/2021 16:43	1/23/2021 16:48	0:05:40	32.94	115.42	490.46	17.21	130.53	489.55	-141.17	2.83
1607	1/23/2021 16:49	1/23/2021 16:50	0:01:40	15.75	131.69	489.52	10.82	135.44	489.52	-142.03	1.97
1608	1/23/2021 16:51	1/23/2021 16:52	0:01:29	8.84	136.89	489.57	4.34	140.11	489.78	-141.95	2.05
1609	1/23/2021 16:53	1/23/2021 17:15	0:21:40	1.83	141.88	489.96	-50.78	-147.56	499.10	-140.76	3.24
1610	1/23/2021 17:16	1/23/2021 17:21	0:05:30	-51.24	-143.77	498.95	-49.74	-112.09	495.73	-140.79	3.21
1611	1/23/2021 17:22	1/23/2021 17:25	0:02:51	-48.51	-106.84	494.80	-43.73	-93.55	491.70	-142.20	1.80
1612	1/23/2021 17:26	1/23/2021 17:26	0:00:31	-42.38	-90.78	490.90	-41.31	-88.78	490.28	-142.72	1.28
1613	1/23/2021 17:38	1/23/2021 17:49	0:10:50	-9.76	-55.76	477.10	22.54	-31.67	477.02	-140.20	3.80
1614	1/23/2021 17:49	1/23/2021 18:13	0:23:39	23.96	-30.39	477.34	42.07	77.88	491.14	-140.15	3.85
1615	1/23/2021 18:14	1/23/2021 18:15	0:01:30	40.62	80.50	491.07	37.15	85.97	490.84	-142.40	1.60
1616	1/23/2021 18:16	1/23/2021 18:16	0:00:20	34.69	89.32	490.65	33.85	90.39	490.59	-143.32	0.68
1617	1/23/2021 18:17	1/23/2021 18:22	0:05:30	32.56	91.95	490.48	17.26	106.56	489.60	-141.25	2.75
1618	1/23/2021 18:23	1/23/2021 18:25	0:01:31	15.31	108.11	489.56	10.88	111.47	489.57	-142.02	1.98
1619	1/23/2021 18:25	1/23/2021 18:26	0:00:59	8.39	113.29	489.63	5.40	115.44	489.76	-141.74	2.26
1620	1/23/2021 18:27	1/23/2021 18:27	0:00:00	3.90	116.50	489.85	3.90	116.50	489.85	-143.81	0.19

Table 12 Departure GN 3 Mbps (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)
1621	1/23/2021 18:28	1/23/2021 18:49	0:21:49	1.89	117.92	490.00	-50.89	-170.65	499.09	-140.77	3.23
1622	1/23/2021 18:50	1/23/2021 18:55	0:05:29	-51.23	-167.80	498.97	-49.76	-136.12	495.77	-140.99	3.01
1623	1/23/2021 18:56	1/23/2021 18:59	0:02:50	-48.53	-130.86	494.84	-43.77	-117.56	491.75	-142.25	1.75
1624	1/23/2021 19:00	1/23/2021 19:01	0:00:30	-42.06	-114.11	490.75	-40.99	-112.13	490.13	-143.12	0.88
1625	1/23/2021 19:11	1/23/2021 19:11	0:00:00	-12.30	-81.57	477.79	-12.30	-81.57	477.79	-144.00	0.00
1626	1/23/2021 19:12	1/23/2021 19:24	0:12:00	-9.32	-79.36	477.05	26.24	-52.16	477.97	-139.64	4.36
1627	1/23/2021 19:25	1/23/2021 19:47	0:22:30	27.62	-50.80	478.34	41.75	54.54	491.13	-140.03	3.97
1628	1/23/2021 19:48	1/23/2021 19:49	0:01:31	40.30	57.14	491.04	36.80	62.55	490.80	-142.43	1.57
1629	1/23/2021 19:50	1/23/2021 19:57	0:06:30	34.74	65.33	490.64	16.83	82.98	489.54	-141.27	2.73
1630	1/23/2021 19:57	1/23/2021 19:59	0:01:29	14.88	84.52	489.51	10.44	87.87	489.52	-142.02	1.98
1631	1/23/2021 20:00	1/23/2021 20:01	0:01:00	7.95	89.68	489.59	4.95	91.83	489.73	-141.85	2.15
1632	1/23/2021 20:02	1/23/2021 20:23	0:21:40	1.45	94.30	489.98	-50.87	165.31	499.22	-140.75	3.25
1633	1/23/2021 20:24	1/23/2021 20:29	0:05:19	-51.31	169.12	499.07	-49.78	-160.15	495.96	-140.85	3.15
1634	1/23/2021 20:31	1/23/2021 20:33	0:02:40	-48.33	-154.04	494.88	-43.80	-141.57	491.97	-142.29	1.71
1635	1/23/2021 20:34	1/23/2021 20:35	0:00:30	-42.11	-138.11	490.97	-41.03	-136.13	490.35	-143.49	0.51
1636	1/23/2021 20:45	1/23/2021 20:46	0:00:19	-12.36	-105.54	477.99	-11.37	-104.80	477.73	-143.93	0.07
1637	1/23/2021 20:46	1/23/2021 20:59	0:12:01	-8.88	-102.97	477.13	26.64	-75.70	478.13	-139.10	4.90
1638	1/23/2021 20:59	1/23/2021 21:21	0:22:19	28.02	-74.32	478.50	41.79	30.53	490.98	-140.12	3.88
1639	1/23/2021 21:22	1/23/2021 21:24	0:01:51	39.97	33.76	490.87	35.62	40.24	490.55	-142.43	1.57
1640	1/23/2021 21:25	1/23/2021 21:26	0:01:19	34.37	41.88	490.45	30.91	45.99	490.17	-142.88	1.12
1641	1/23/2021 21:26	1/23/2021 21:31	0:04:40	29.58	47.44	490.07	16.40	59.39	489.37	-141.32	2.68
1642	1/23/2021 21:32	1/23/2021 21:33	0:01:29	14.45	60.92	489.34	10.00	64.26	489.37	-142.03	1.97
1643	1/23/2021 21:34	1/23/2021 21:35	0:01:01	7.51	66.07	489.45	4.51	68.21	489.60	-142.24	1.76
1644	1/23/2021 21:36	1/23/2021 21:58	0:21:30	1.01	70.69	489.87	-50.86	141.28	499.34	-140.82	3.18
1645	1/23/2021 21:58	1/23/2021 22:04	0:05:30	-51.30	145.08	499.19	-49.62	176.71	496.00	-140.90	3.10
1646	1/23/2021 22:05	1/23/2021 22:07	0:02:39	-48.36	-178.07	495.07	-43.84	-165.59	492.17	-142.36	1.64
1647	1/23/2021 22:09	1/23/2021 22:09	0:00:19	-41.80	-161.45	490.97	-41.08	-160.14	490.56	-143.85	0.15
1648	1/23/2021 22:20	1/23/2021 22:20	0:00:20	-11.93	-129.14	478.03	-10.93	-128.40	477.77	-143.84	0.16
1649	1/23/2021 22:21	1/23/2021 22:28	0:06:50	-8.44	-126.57	477.18	12.13	-111.87	475.69	-140.92	3.08
1650	1/23/2021 22:28	1/23/2021 22:33	0:04:29	13.61	-110.74	475.81	26.58	-99.68	478.14	-138.57	5.43
1651	1/23/2021 22:33	1/23/2021 22:53	0:19:30	27.96	-98.31	478.51	47.15	-5.99	490.93	-139.56	4.44
1652	1/23/2021 22:53	1/23/2021 22:54	0:00:30	46.33	-3.60	490.94	45.45	-1.30	490.94	-143.13	0.87
1653	1/23/2021 22:54	1/23/2021 22:56	0:01:31	44.53	0.94	490.92	41.48	7.19	490.78	-141.97	2.03
1654	1/23/2021 22:56	1/23/2021 22:58	0:01:51	40.01	9.76	490.69	35.67	16.25	490.37	-142.41	1.59
1655	1/23/2021 22:59	1/23/2021 23:00	0:01:00	34.00	18.42	490.23	31.41	21.50	490.02	-143.23	0.77
1656	1/23/2021 23:00	1/23/2021 23:03	0:02:10	29.63	23.46	489.89	23.66	29.34	489.48	-141.36	2.64
1657	1/23/2021 23:03	1/23/2021 23:05	0:02:10	22.24	30.60	489.40	15.98	35.81	489.19	-141.83	2.17
1658	1/23/2021 23:06	1/23/2021 23:08	0:01:30	14.02	37.33	489.17	9.56	40.66	489.22	-142.25	1.75
1659	1/23/2021 23:08	1/23/2021 23:09	0:00:50	7.07	42.46	489.31	4.57	44.25	489.45	-142.59	1.41
1660	1/23/2021 23:10	1/23/2021 23:32	0:21:40	1.07	46.72	489.72	-50.97	118.18	499.25	-140.68	3.32
1661	1/23/2021 23:33	1/23/2021 23:38	0:05:19	-51.38	122.00	499.10	-49.64	152.69	495.98	-140.82	3.18
1662	1/23/2021 23:39	1/23/2021 23:42	0:02:40	-48.38	157.91	495.06	-43.88	170.41	492.18	-142.36	1.64
1663	1/23/2021 23:43	1/23/2021 23:43	0:00:00	-41.84	174.55	490.98	-41.84	174.55	490.98	-143.95	0.05
1664	1/23/2021 23:54	1/23/2021 23:54	0:00:19	-11.98	-153.11	478.06	-10.99	-152.37	477.80	-143.74	0.26
1665	1/23/2021 23:55	1/24/2021 0:02	0:06:50	-8.00	-150.18	477.10	12.57	-135.46	475.74	-140.87	3.13
1666	1/24/2021 0:02	1/24/2021 0:07	0:04:31	14.05	-134.33	475.87	26.99	-123.20	478.26	-139.03	4.97
1667	1/24/2021 0:08	1/24/2021 0:27	0:19:19	28.36	-121.82	478.63	47.18	-30.00	490.91	-140.02	3.98
1668	1/24/2021 0:27	1/24/2021 0:28	0:00:30	46.36	-27.62	490.92	45.49	-25.31	490.91	-143.21	0.79
1669	1/24/2021 0:28	1/24/2021 0:30	0:01:40	44.56	-23.07	490.90	41.16	-16.16	490.74	-141.87	2.13
1670	1/24/2021 0:31	1/24/2021 0:33	0:01:51	39.68	-13.61	490.64	35.31	-7.19	490.31	-142.01	1.99
1671	1/24/2021 0:33	1/24/2021 0:34	0:00:59	34.05	-5.57	490.21	31.46	-2.48	490.00	-143.23	0.77
1672	1/24/2021 0:35	1/24/2021 0:37	0:02:10	29.24	-0.04	489.83	23.24	5.79	489.42	-141.41	2.59
1673	1/24/2021 0:38	1/24/2021 0:39	0:01:59	21.82	7.05	489.35	16.03	11.84	489.15	-141.69	2.31
1674	1/24/2021 0:40	1/24/2021 0:42	0:01:31	13.58	13.74	489.13	9.12	17.06	489.19	-142.23	1.77
1675	1/24/2021 0:42	1/24/2021 0:44	0:01:01	7.13	18.50	489.27	4.13	20.64	489.44	-142.85	1.15
1676	1/24/2021 0:45	1/24/2021 1:06	0:21:30	0.62	23.11	489.72	-50.96	94.15	499.24	-140.87	3.13
1677	1/24/2021 1:07	1/24/2021 1:12	0:05:19	-51.37	97.97	499.08	-49.67	128.66	495.97	-140.68	3.32
1678	1/24/2021 1:13	1/24/2021 1:16	0:02:40	-48.41	133.89	495.05	-43.92	146.40	492.18	-142.36	1.64
1679	1/24/2021 1:17	1/24/2021 1:17	0:00:00	-41.88	150.55	490.98	-41.88	150.55	490.98	-143.89	0.11
1680	1/24/2021 1:28	1/24/2021 1:29	0:00:20	-11.55	-176.70	477.92	-10.55	-175.96	477.67	-143.69	0.31

Table 12 Departure GN 3 Mbps (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)
1681	1/24/2021 1:30	1/24/2021 1:36	0:06:40	-7.56	-173.78	476.98	12.51	-159.43	475.70	-140.92	3.08
1682	1/24/2021 1:37	1/24/2021 2:01	0:24:30	14.00	-158.30	475.83	46.94	-53.21	490.87	-138.62	5.38
1683	1/24/2021 2:02	1/24/2021 2:04	0:02:39	46.11	-50.85	490.88	40.84	-39.51	490.69	-141.87	2.13
1684	1/24/2021 2:05	1/24/2021 2:07	0:01:50	39.34	-36.99	490.60	34.94	-30.62	490.27	-141.84	2.16
1685	1/24/2021 2:07	1/24/2021 2:08	0:00:50	33.67	-29.02	490.16	31.51	-26.46	489.99	-143.03	0.97
1686	1/24/2021 2:09	1/24/2021 2:11	0:02:00	28.84	-23.54	489.79	23.30	-18.18	489.43	-141.49	2.51
1687	1/24/2021 2:12	1/24/2021 2:14	0:02:10	21.88	-16.92	489.35	15.60	-11.74	489.16	-141.78	2.22
1688	1/24/2021 2:15	1/24/2021 2:16	0:01:31	13.14	-9.85	489.15	8.68	-6.55	489.23	-142.14	1.86
1689	1/24/2021 2:17	1/24/2021 2:18	0:01:00	6.69	-5.11	489.31	3.69	-2.97	489.49	-143.07	0.93
1690	1/24/2021 2:19	1/24/2021 2:40	0:21:40	0.68	-0.85	489.74	-51.06	71.07	499.19	-140.84	3.16
1691	1/24/2021 2:41	1/24/2021 2:46	0:05:30	-51.36	73.94	499.07	-49.50	105.53	495.80	-140.66	3.34
1692	1/24/2021 2:48	1/24/2021 2:50	0:02:30	-48.20	110.72	494.85	-43.96	122.40	492.14	-142.41	1.59
1693	1/24/2021 2:51	1/24/2021 2:51	0:00:00	-41.92	126.55	490.94	-41.92	126.55	490.94	-143.90	0.10
1694	1/24/2021 3:02	1/24/2021 3:03	0:00:30	-11.60	159.33	477.86	-10.11	160.44	477.49	-143.60	0.40
1695	1/24/2021 3:04	1/24/2021 3:11	0:06:50	-7.61	162.26	476.93	12.95	176.98	475.69	-141.14	2.86
1696	1/24/2021 3:11	1/24/2021 3:35	0:24:20	14.43	178.12	475.83	46.97	-77.22	490.92	-139.41	4.59
1697	1/24/2021 3:36	1/24/2021 3:36	0:00:30	46.14	-74.86	490.93	45.25	-72.56	490.93	-143.19	0.81
1698	1/24/2021 3:37	1/24/2021 3:39	0:01:40	44.32	-70.35	490.91	40.88	-63.50	490.76	-141.88	2.12
1699	1/24/2021 3:39	1/24/2021 3:41	0:01:51	39.39	-60.98	490.66	34.98	-54.61	490.34	-141.72	2.28
1700	1/24/2021 3:42	1/24/2021 3:42	0:00:50	33.72	-53.00	490.24	31.56	-50.43	490.07	-142.77	1.23
1701	1/24/2021 3:43	1/24/2021 3:45	0:02:10	28.89	-47.52	489.87	22.88	-41.73	489.49	-141.54	2.46
1702	1/24/2021 3:46	1/24/2021 3:48	0:02:10	21.45	-40.47	489.43	15.16	-35.33	489.25	-141.73	2.27
1703	1/24/2021 3:49	1/24/2021 3:53	0:03:41	13.20	-33.82	489.25	2.24	-25.87	489.71	-142.03	1.97
1704	1/24/2021 3:53	1/24/2021 3:53	0:00:00	0.73	-24.82	489.85	0.73	-24.82	489.85	-143.91	0.09
1705	1/24/2021 3:53	1/24/2021 4:15	0:21:10	-0.77	-23.76	490.00	-51.05	47.04	499.27	-140.91	3.09
1706	1/24/2021 4:15	1/24/2021 4:21	0:05:19	-51.43	50.87	499.10	-49.52	81.50	495.86	-140.32	3.68
1707	1/24/2021 4:22	1/24/2021 4:24	0:02:29	-48.23	86.70	494.91	-43.99	98.39	492.18	-142.51	1.49
1708	1/24/2021 4:25	1/24/2021 4:25	0:00:00	-41.96	102.55	490.97	-41.96	102.55	490.97	-143.95	0.05
1709	1/24/2021 4:37	1/24/2021 4:37	0:00:29	-11.16	135.74	477.68	-9.67	136.84	477.31	-143.65	0.35
1710	1/24/2021 4:38	1/24/2021 5:09	0:31:30	-7.17	138.65	476.77	47.00	-101.24	490.89	-139.83	4.17
1711	1/24/2021 5:10	1/24/2021 5:11	0:00:41	46.17	-98.87	490.90	44.98	-95.82	490.90	-142.80	1.20
1712	1/24/2021 5:11	1/24/2021 5:13	0:01:40	44.03	-93.63	490.88	40.55	-86.85	490.72	-141.84	2.16
1713	1/24/2021 5:13	1/24/2021 5:15	0:02:01	39.43	-84.97	490.66	34.61	-78.05	490.31	-141.72	2.28
1714	1/24/2021 5:16	1/24/2021 5:17	0:00:50	33.34	-76.46	490.21	31.17	-73.91	490.05	-142.50	1.50
1715	1/24/2021 5:17	1/24/2021 5:22	0:04:50	28.94	-71.50	489.89	15.22	-59.29	489.30	-141.58	2.42
1716	1/24/2021 5:23	1/24/2021 5:27	0:03:40	12.76	-57.41	489.30	1.79	-49.49	489.83	-141.97	2.03
1717	1/24/2021 5:27	1/24/2021 5:27	0:00:00	0.29	-48.43	489.98	0.29	-48.43	489.98	-143.90	0.10
1718	1/24/2021 5:28	1/24/2021 5:49	0:21:01	-1.22	-47.37	490.14	-51.03	23.00	499.44	-140.87	3.13
1719	1/24/2021 5:49	1/24/2021 5:55	0:05:21	-51.42	26.83	499.27	-49.54	57.47	496.01	-140.52	3.48
1720	1/24/2021 5:56	1/24/2021 5:58	0:02:30	-48.26	62.67	495.06	-44.03	74.38	492.31	-142.46	1.54
1721	1/24/2021 5:59	1/24/2021 5:59	0:00:00	-42.00	78.55	491.09	-42.00	78.55	491.09	-143.97	0.03
1722	1/24/2021 6:11	1/24/2021 6:11	0:00:21	-10.72	112.14	477.51	-9.73	112.87	477.26	-143.82	0.18
1723	1/24/2021 6:12	1/24/2021 6:42	0:29:31	-6.73	115.04	476.60	49.57	-134.58	490.50	-139.99	4.01
1724	1/24/2021 6:42	1/24/2021 6:47	0:04:49	48.96	-131.94	490.58	40.22	-110.21	490.57	-141.74	2.26
1725	1/24/2021 6:48	1/24/2021 6:51	0:03:20	39.09	-108.34	490.50	30.77	-97.40	489.93	-141.74	2.26
1726	1/24/2021 6:52	1/24/2021 6:57	0:04:51	28.54	-95.00	489.78	14.78	-82.88	489.27	-141.67	2.33
1727	1/24/2021 6:57	1/24/2021 7:01	0:04:10	12.81	-81.37	489.28	0.34	-72.39	489.99	-141.95	2.05
1728	1/24/2021 7:02	1/24/2021 7:23	0:21:10	-1.16	-71.33	490.15	-51.13	-0.08	499.44	-140.94	3.06
1729	1/24/2021 7:24	1/24/2021 7:29	0:05:19	-51.49	3.77	499.25	-49.37	34.34	495.90	-140.21	3.79
1730	1/24/2021 7:30	1/24/2021 7:32	0:02:21	-48.28	38.66	495.10	-44.39	49.66	492.55	-142.54	1.46
1731	1/24/2021 7:33	1/24/2021 7:33	0:00:00	-42.04	54.55	491.13	-42.04	54.55	491.13	-143.98	0.02
1732	1/24/2021 7:46	1/24/2021 7:46	0:00:09	-9.78	88.91	477.25	-9.28	89.27	477.13	-143.96	0.04
1733	1/24/2021 7:47	1/24/2021 8:16	0:29:21	-6.28	91.44	476.48	49.59	-158.61	490.52	-139.94	4.06
1734	1/24/2021 8:17	1/24/2021 8:19	0:02:40	48.98	-155.96	490.61	44.74	-143.10	490.77	-141.88	2.12
1735	1/24/2021 8:20	1/24/2021 8:21	0:01:29	43.45	-140.21	490.74	40.26	-134.20	490.61	-141.94	2.06
1736	1/24/2021 8:22	1/24/2021 8:25	0:03:20	39.13	-132.34	490.54	30.82	-121.38	489.98	-141.76	2.24
1737	1/24/2021 8:26	1/24/2021 8:31	0:05:01	28.58	-118.98	489.83	14.34	-106.46	489.33	-141.73	2.27
1738	1/24/2021 8:31	1/24/2021 8:36	0:04:20	12.87	-105.34	489.34	-0.10	-96.00	490.11	-141.93	2.07
1739	1/24/2021 8:36	1/24/2021 8:57	0:21:01	-1.61	-94.94	490.28	-51.12	-24.11	499.55	-140.89	3.11
1740	1/24/2021 8:58	1/24/2021 9:03	0:05:20	-51.48	-20.27	499.37	-49.39	10.31	496.01	-140.49	3.51

Table 12 Departure GN 3 Mbps (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)
1741	1/24/2021 9:04	1/24/2021 9:06	0:02:10	-48.07	15.47	495.04	-44.43	25.65	492.65	-142.78	1.22
1742	1/24/2021 9:21	1/24/2021 9:30	0:08:30	-5.84	67.83	476.41	19.58	86.54	476.25	-141.02	2.98
1743	1/24/2021 9:30	1/24/2021 9:50	0:20:20	21.02	87.77	476.51	49.41	178.25	490.61	-139.92	4.08
1744	1/24/2021 9:51	1/24/2021 9:52	0:01:19	48.79	-179.12	490.69	46.82	-172.48	490.82	-141.91	2.09
1745	1/24/2021 9:53	1/24/2021 9:53	0:00:50	45.98	-170.13	490.84	44.46	-166.37	490.83	-141.98	2.02
1746	1/24/2021 9:54	1/24/2021 10:00	0:05:41	43.48	-164.22	490.81	29.99	-144.39	490.00	-141.85	2.15
1747	1/24/2021 10:00	1/24/2021 10:05	0:04:29	28.64	-142.96	489.91	15.87	-131.58	489.40	-141.76	2.24
1748	1/24/2021 10:05	1/24/2021 10:05	0:00:00	13.91	-130.06	489.40	13.91	-130.06	489.40	-143.60	0.40
1749	1/24/2021 10:06	1/24/2021 10:10	0:04:10	12.43	-128.94	489.41	-0.04	-119.97	490.16	-142.08	1.92
1750	1/24/2021 10:11	1/24/2021 10:32	0:20:59	-2.05	-118.56	490.39	-51.21	-47.20	499.48	-140.87	3.13
1751	1/24/2021 10:32	1/24/2021 10:38	0:05:39	-51.54	-43.34	499.29	-48.79	-11.10	495.50	-140.60	3.40
1752	1/24/2021 10:38	1/24/2021 10:41	0:02:21	-48.10	-8.55	495.00	-44.14	2.36	492.41	-142.92	1.08
1753	1/24/2021 10:49	1/24/2021 10:49	0:00:11	-24.95	28.70	482.39	-24.48	29.13	482.19	-143.45	0.55
1754	1/24/2021 10:55	1/24/2021 11:25	0:29:01	-4.89	44.58	476.18	49.44	154.22	490.62	-139.79	4.21
1755	1/24/2021 11:25	1/24/2021 11:26	0:01:20	48.82	156.85	490.70	46.85	163.50	490.84	-142.09	1.91
1756	1/24/2021 11:27	1/24/2021 11:28	0:01:00	46.01	165.86	490.86	44.18	170.34	490.85	-141.99	2.01
1757	1/24/2021 11:28	1/24/2021 11:35	0:06:19	43.19	172.47	490.83	27.78	-166.01	489.90	-141.76	2.24
1758	1/24/2021 11:35	1/24/2021 11:37	0:01:59	26.41	-164.64	489.82	20.77	-159.51	489.55	-141.80	2.20
1759	1/24/2021 11:38	1/24/2021 11:39	0:01:20	19.33	-158.29	489.51	15.44	-155.16	489.45	-141.82	2.18
1760	1/24/2021 11:40	1/24/2021 11:42	0:01:40	12.00	-152.53	489.47	7.03	-148.90	489.64	-142.16	1.84
1761	1/24/2021 11:42	1/24/2021 11:43	0:00:19	5.53	-147.82	489.73	4.53	-147.11	489.80	-143.86	0.14
1762	1/24/2021 11:43	1/24/2021 11:44	0:01:09	3.03	-146.05	489.91	-0.48	-143.58	490.24	-143.09	0.91
1763	1/24/2021 11:45	1/24/2021 12:06	0:20:50	-2.49	-142.17	490.47	-51.20	-71.23	499.43	-140.62	3.38
1764	1/24/2021 12:06	1/24/2021 12:15	0:08:31	-51.54	-67.38	499.23	-44.18	-21.65	492.35	-140.54	3.46
1765	1/24/2021 12:23	1/24/2021 12:23	0:00:09	-25.01	4.72	482.34	-24.54	5.16	482.14	-143.17	0.83
1766	1/24/2021 12:30	1/24/2021 12:38	0:08:11	-4.45	20.97	476.04	19.95	39.01	476.23	-141.32	2.68
1767	1/24/2021 12:39	1/24/2021 13:02	0:23:29	21.39	40.24	476.50	44.22	146.34	490.85	-139.72	4.28
1768	1/24/2021 13:03	1/24/2021 13:09	0:06:09	42.89	149.16	490.82	27.84	170.02	489.90	-141.77	2.23
1769	1/24/2021 13:10	1/24/2021 13:11	0:01:49	26.00	171.83	489.80	20.82	176.52	489.56	-141.81	2.19
1770	1/24/2021 13:12	1/24/2021 13:13	0:01:01	18.42	178.53	489.50	15.50	-179.13	489.46	-141.87	2.13
1771	1/24/2021 13:15	1/24/2021 13:16	0:01:40	11.56	-176.13	489.49	6.59	-172.50	489.68	-142.27	1.73
1772	1/24/2021 13:17	1/24/2021 13:17	0:00:11	4.59	-171.08	489.81	4.08	-170.72	489.85	-143.82	0.18
1773	1/24/2021 13:18	1/24/2021 13:19	0:01:10	2.58	-169.66	489.97	-0.93	-167.19	490.32	-143.09	0.91
1774	1/24/2021 13:19	1/24/2021 13:40	0:20:59	-2.43	-166.13	490.49	-51.29	-94.31	499.43	-140.68	3.32
1775	1/24/2021 13:41	1/24/2021 13:46	0:05:39	-51.60	-90.44	499.21	-48.62	-58.29	495.32	-140.74	3.26
1776	1/24/2021 13:47	1/24/2021 13:49	0:02:10	-47.92	-55.76	494.81	-44.22	-45.66	492.39	-143.14	0.86
1777	1/24/2021 13:57	1/24/2021 13:57	0:00:11	-24.59	-18.82	482.15	-24.12	-18.38	481.95	-142.92	1.08
1778	1/24/2021 14:04	1/24/2021 14:12	0:08:10	-4.00	-2.64	475.95	20.38	15.44	476.27	-141.45	2.55
1779	1/24/2021 14:13	1/24/2021 14:33	0:20:11	21.81	16.68	476.54	49.29	107.06	490.55	-139.86	4.14
1780	1/24/2021 14:34	1/24/2021 14:35	0:01:20	48.65	109.67	490.63	46.64	116.27	490.76	-141.47	2.53
1781	1/24/2021 14:35	1/24/2021 14:36	0:01:00	45.79	118.61	490.78	43.93	123.05	490.78	-141.87	2.13
1782	1/24/2021 14:37	1/24/2021 14:43	0:06:00	42.93	125.16	490.75	28.34	145.58	489.89	-141.72	2.28
1783	1/24/2021 14:44	1/24/2021 14:46	0:01:59	26.05	147.86	489.75	20.40	152.96	489.50	-141.87	2.13
1784	1/24/2021 14:47	1/24/2021 14:48	0:00:50	17.50	155.35	489.43	15.06	157.28	489.41	-141.77	2.23
1785	1/24/2021 14:49	1/24/2021 14:51	0:01:40	11.12	160.28	489.46	6.14	163.89	489.67	-142.16	1.84
1786	1/24/2021 14:51	1/24/2021 14:51	0:00:09	4.64	164.96	489.77	4.14	165.32	489.80	-143.74	0.26
1787	1/24/2021 14:52	1/24/2021 14:53	0:00:59	2.14	166.73	489.97	-0.87	168.84	490.27	-143.13	0.87
1788	1/24/2021 14:53	1/24/2021 15:14	0:21:01	-2.38	169.90	490.45	-51.28	-118.34	499.39	-140.32	3.68
1789	1/24/2021 15:15	1/24/2021 15:24	0:08:30	-51.59	-114.47	499.18	-43.93	-68.94	492.17	-140.69	3.31
1790	1/24/2021 15:24	1/24/2021 15:24	0:00:00	-42.93	-66.83	491.57	-42.93	-66.83	491.57	-143.62	0.38
1791	1/24/2021 15:31	1/24/2021 15:32	0:01:31	-26.50	-44.56	482.95	-22.29	-40.65	481.15	-142.91	1.09
1792	1/24/2021 15:39	1/24/2021 15:47	0:08:09	-3.56	-26.24	475.84	20.81	-8.12	476.32	-141.35	2.65
1793	1/24/2021 15:47	1/24/2021 16:09	0:21:51	22.24	-6.87	476.60	46.67	92.26	490.74	-139.91	4.09
1794	1/24/2021 16:10	1/24/2021 16:10	0:00:59	45.82	94.60	490.76	43.96	99.05	490.76	-142.06	1.94
1795	1/24/2021 16:11	1/24/2021 16:12	0:00:50	42.97	101.16	490.73	41.21	104.53	490.67	-142.31	1.69
1796	1/24/2021 16:12	1/24/2021 16:17	0:04:40	40.11	106.45	490.62	28.39	121.61	489.88	-141.76	2.24
1797	1/24/2021 16:18	1/24/2021 16:20	0:01:49	25.64	124.33	489.73	20.45	129.00	489.51	-141.86	2.14
1798	1/24/2021 16:21	1/24/2021 16:22	0:00:41	16.58	132.17	489.43	14.63	133.70	489.42	-141.63	2.37
1799	1/24/2021 16:23	1/24/2021 16:25	0:01:31	10.68	136.68	489.48	6.20	139.93	489.68	-142.07	1.93
1800	1/24/2021 16:25	1/24/2021 16:27	0:01:50	4.19	141.35	489.81	-1.32	145.24	490.33	-143.16	0.84

Table 12 Departure GN 3 Mbps (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)
1801	1/24/2021 16:28	1/24/2021 16:49	0:20:50	-2.82	146.29	490.52	-51.27	-142.37	499.35	-140.66	3.34
1802	1/24/2021 16:49	1/24/2021 16:58	0:08:19	-51.64	-137.53	499.08	-43.97	-92.94	492.14	-140.49	3.51
1803	1/24/2021 16:58	1/24/2021 16:58	0:00:10	-42.97	-90.83	491.53	-42.63	-90.14	491.33	-143.28	0.72
1804	1/24/2021 17:05	1/24/2021 17:06	0:01:40	-26.55	-68.53	482.92	-21.86	-64.20	480.94	-142.68	1.32
1805	1/24/2021 17:13	1/24/2021 17:21	0:08:01	-3.11	-49.85	475.72	20.76	-32.08	476.28	-141.31	2.69
1806	1/24/2021 17:21	1/24/2021 17:43	0:22:01	22.19	-30.84	476.57	46.42	69.04	490.81	-140.01	3.99
1807	1/24/2021 17:44	1/24/2021 17:45	0:01:00	45.56	71.36	490.82	43.67	75.77	490.81	-142.27	1.73
1808	1/24/2021 17:45	1/24/2021 17:46	0:00:39	42.66	77.86	490.78	41.25	80.53	490.73	-142.50	1.50
1809	1/24/2021 17:47	1/24/2021 17:51	0:04:29	39.77	83.09	490.66	28.44	97.63	489.94	-141.74	2.26
1810	1/24/2021 17:52	1/24/2021 17:54	0:01:59	25.69	100.36	489.78	20.02	105.43	489.54	-141.84	2.16
1811	1/24/2021 17:55	1/24/2021 17:56	0:00:50	16.63	108.20	489.47	14.19	110.11	489.47	-141.41	2.59
1812	1/24/2021 17:57	1/24/2021 17:59	0:01:31	10.23	113.08	489.54	5.75	116.33	489.75	-141.99	2.01
1813	1/24/2021 18:00	1/24/2021 18:23	0:23:11	3.75	117.75	489.89	-51.35	-165.43	499.33	-140.54	3.46
1814	1/24/2021 18:24	1/24/2021 18:33	0:09:09	-51.63	-161.56	499.10	-42.32	-113.46	491.16	-140.65	3.35
1815	1/24/2021 18:39	1/24/2021 18:41	0:01:50	-26.60	-92.50	482.98	-21.43	-87.75	480.81	-141.78	2.22
1816	1/24/2021 18:47	1/24/2021 18:55	0:08:09	-3.16	-73.81	475.78	21.18	-55.64	476.41	-141.10	2.90
1817	1/24/2021 18:56	1/24/2021 19:18	0:21:51	22.61	-54.39	476.70	46.45	45.03	490.82	-140.18	3.82
1818	1/24/2021 19:18	1/24/2021 19:19	0:01:29	45.59	47.35	490.83	42.70	53.86	490.78	-142.45	1.55
1819	1/24/2021 19:20	1/24/2021 19:20	0:00:19	41.64	55.88	490.74	40.92	57.18	490.71	-142.66	1.34
1820	1/24/2021 19:21	1/24/2021 19:26	0:04:40	39.81	59.09	490.65	28.03	74.12	489.88	-141.85	2.15
1821	1/24/2021 19:27	1/24/2021 19:29	0:02:00	25.27	76.83	489.72	19.59	81.87	489.49	-141.80	2.20
1822	1/24/2021 19:29	1/24/2021 19:30	0:01:20	17.66	83.45	489.44	13.75	86.52	489.42	-141.14	2.86
1823	1/24/2021 19:32	1/24/2021 19:33	0:01:29	9.79	89.48	489.50	5.30	92.72	489.73	-141.96	2.04
1824	1/24/2021 19:34	1/24/2021 19:57	0:23:00	3.30	94.14	489.87	-51.34	170.54	499.47	-140.95	3.05
1825	1/24/2021 19:58	1/24/2021 20:07	0:09:09	-51.68	175.39	499.19	-42.01	-136.79	491.18	-140.67	3.33
1826	1/24/2021 20:13	1/24/2021 20:15	0:02:00	-26.65	-116.48	483.20	-21.01	-111.32	480.84	-141.18	2.82
1827	1/24/2021 20:16	1/24/2021 20:16	0:00:00	-19.57	-110.09	480.29	-19.57	-110.09	480.29	-143.97	0.03
1828	1/24/2021 20:21	1/24/2021 20:29	0:08:01	-2.71	-97.43	475.88	21.13	-79.62	476.48	-140.66	3.34
1829	1/24/2021 20:30	1/24/2021 20:54	0:23:39	23.03	-77.94	476.87	42.73	29.85	490.65	-140.11	3.89
1830	1/24/2021 20:54	1/24/2021 20:54	0:00:20	41.69	31.87	490.61	40.96	33.18	490.57	-142.92	1.08
1831	1/24/2021 20:55	1/24/2021 20:56	0:01:10	39.47	35.71	490.49	36.72	39.87	490.32	-143.36	0.64
1832	1/24/2021 20:57	1/24/2021 21:00	0:02:49	35.49	41.55	490.23	28.09	50.14	489.73	-141.95	2.05
1833	1/24/2021 21:01	1/24/2021 21:03	0:01:59	25.33	52.85	489.56	19.65	57.89	489.33	-141.73	2.27
1834	1/24/2021 21:03	1/24/2021 21:05	0:01:10	17.23	59.87	489.27	13.80	62.55	489.26	-141.40	2.60
1835	1/24/2021 21:06	1/24/2021 21:08	0:01:40	9.85	65.51	489.34	4.86	69.11	489.60	-141.92	2.08
1836	1/24/2021 21:08	1/24/2021 21:31	0:23:11	3.36	70.17	489.72	-51.41	147.47	499.55	-140.95	3.05
1837	1/24/2021 21:32	1/24/2021 21:41	0:09:09	-51.67	151.35	499.33	-42.05	-160.79	491.39	-140.09	3.91
1838	1/24/2021 21:47	1/24/2021 21:50	0:02:40	-26.71	-140.46	483.41	-19.14	-133.66	480.31	-141.54	2.46
1839	1/24/2021 21:56	1/24/2021 22:04	0:08:00	-2.27	-121.04	475.95	21.55	-103.18	476.62	-140.59	3.41
1840	1/24/2021 22:04	1/24/2021 22:28	0:23:40	22.97	-101.92	476.90	42.78	5.84	490.46	-140.16	3.84
1841	1/24/2021 22:29	1/24/2021 22:29	0:00:19	41.37	8.53	490.40	40.64	9.83	490.36	-143.31	0.69
1842	1/24/2021 22:29	1/24/2021 22:29	0:00:00	39.52	11.71	490.30	39.52	11.71	490.30	-143.98	0.02
1843	1/24/2021 22:30	1/24/2021 22:30	0:00:30	37.97	14.13	490.20	36.77	15.88	490.13	-143.62	0.38
1844	1/24/2021 22:31	1/24/2021 22:34	0:03:00	35.54	17.56	490.04	27.68	26.62	489.51	-141.96	2.04
1845	1/24/2021 22:35	1/24/2021 22:35	0:00:19	25.38	28.87	489.38	24.45	29.75	489.33	-143.78	0.22
1846	1/24/2021 22:36	1/24/2021 22:39	0:03:19	23.04	31.03	489.26	13.37	38.96	489.09	-141.31	2.69
1847	1/24/2021 22:41	1/24/2021 22:42	0:01:19	8.91	42.27	489.21	4.92	45.14	489.44	-141.84	2.16
1848	1/24/2021 22:43	1/24/2021 23:06	0:23:00	2.91	46.56	489.60	-51.40	123.44	499.51	-140.87	3.13
1849	1/24/2021 23:06	1/24/2021 23:15	0:09:20	-51.67	127.32	499.29	-41.73	175.88	491.20	-140.75	3.25
1850	1/24/2021 23:21	1/24/2021 23:24	0:02:50	-26.76	-164.44	483.45	-18.71	-157.23	480.17	-141.65	2.35
1851	1/24/2021 23:30	1/24/2021 23:38	0:08:10	-2.33	-145.00	475.99	21.97	-126.73	476.72	-140.81	3.19
1852	1/24/2021 23:39	1/25/2021 0:01	0:22:49	23.40	-125.46	477.01	44.14	-20.98	490.48	-140.06	3.94
1853	1/25/2021 0:02	1/25/2021 0:02	0:00:19	43.15	-18.85	490.45	42.47	-17.47	490.42	-142.40	1.60
1854	1/25/2021 0:03	1/25/2021 0:03	0:00:20	41.05	-14.81	490.36	40.31	-13.53	490.32	-143.44	0.56
1855	1/25/2021 0:04	1/25/2021 0:04	0:00:00	37.62	-9.27	490.15	37.62	-9.27	490.15	-143.87	0.13
1856	1/25/2021 0:05	1/25/2021 0:08	0:03:00	35.17	-5.87	489.99	27.28	3.11	489.45	-142.11	1.89
1857	1/25/2021 0:09	1/25/2021 0:09	0:00:20	25.90	4.46	489.37	24.97	5.34	489.32	-143.72	0.28
1858	1/25/2021 0:10	1/25/2021 0:13	0:03:09	22.62	7.49	489.21	13.42	15.00	489.05	-141.71	2.29
1859	1/25/2021 0:15	1/25/2021 0:16	0:01:20	8.47	18.67	489.18	4.47	21.53	489.42	-141.75	2.25
1860	1/25/2021 0:17	1/25/2021 0:40	0:23:00	2.47	22.95	489.59	-51.48	100.37	499.44	-140.92	3.08

Table 12 Departure GN 3 Mbps (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)
1861	1/25/2021 0:41	1/25/2021 0:49	0:08:19	-51.71	104.27	499.21	-43.49	148.47	492.22	-140.41	3.59
1862	1/25/2021 0:49	1/25/2021 0:50	0:00:20	-42.47	150.54	491.61	-41.77	151.89	491.20	-142.12	1.88
1863	1/25/2021 0:56	1/25/2021 0:59	0:03:00	-26.81	171.59	483.45	-18.28	179.20	480.00	-141.30	2.70
1864	1/25/2021 1:04	1/25/2021 1:12	0:08:00	-1.88	-168.61	475.90	21.92	-150.70	476.67	-140.71	3.29
1865	1/25/2021 1:13	1/25/2021 1:36	0:23:29	23.82	-149.01	477.06	42.51	-41.47	490.39	-139.96	4.04
1866	1/25/2021 1:37	1/25/2021 1:37	0:00:30	41.45	-39.46	490.35	40.35	-37.52	490.29	-143.56	0.44
1867	1/25/2021 1:40	1/25/2021 1:40	0:00:10	35.22	-29.85	489.97	34.80	-29.31	489.94	-143.75	0.25
1868	1/25/2021 1:40	1/25/2021 1:43	0:03:01	33.10	-27.19	489.82	25.02	-18.63	489.32	-142.19	1.81
1869	1/25/2021 1:44	1/25/2021 1:44	0:00:00	22.19	-16.06	489.19	22.19	-16.06	489.19	-142.50	1.50
1870	1/25/2021 1:45	1/25/2021 1:47	0:02:40	20.77	-14.82	489.14	12.98	-8.59	489.06	-141.42	2.58
1871	1/25/2021 1:48	1/25/2021 1:48	0:00:00	10.51	-6.74	489.12	10.51	-6.74	489.12	-143.98	0.02
1872	1/25/2021 1:49	1/25/2021 1:50	0:01:20	8.02	-4.93	489.22	4.02	-2.07	489.48	-141.85	2.15
1873	1/25/2021 1:51	1/25/2021 2:14	0:22:51	2.02	-0.66	489.65	-51.47	76.35	499.42	-140.75	3.25
1874	1/25/2021 2:15	1/25/2021 2:17	0:02:30	-51.70	80.24	499.19	-51.32	94.89	497.85	-140.79	3.21
1875	1/25/2021 2:18	1/25/2021 2:20	0:02:21	-51.01	97.76	497.50	-48.59	110.42	495.48	-141.13	2.87
1876	1/25/2021 2:20	1/25/2021 2:23	0:02:30	-47.89	112.95	494.98	-43.53	124.47	492.18	-142.28	1.72
1877	1/25/2021 2:23	1/25/2021 2:24	0:00:30	-42.51	126.55	491.57	-41.45	128.56	490.95	-142.71	1.29
1878	1/25/2021 2:30	1/25/2021 2:33	0:03:21	-26.86	147.62	483.40	-17.36	156.02	479.60	-140.91	3.09
1879	1/25/2021 2:38	1/25/2021 2:46	0:08:10	-1.93	167.43	475.84	22.35	-174.25	476.72	-140.73	3.27
1880	1/25/2021 2:47	1/25/2021 3:09	0:22:00	24.24	-172.54	477.13	45.15	-71.18	490.51	-139.91	4.09
1881	1/25/2021 3:10	1/25/2021 3:10	0:00:09	44.21	-68.97	490.50	43.89	-68.25	490.49	-142.69	1.31
1882	1/25/2021 3:10	1/25/2021 3:11	0:00:40	42.89	-66.15	490.46	41.49	-63.45	490.41	-142.59	1.41
1883	1/25/2021 3:11	1/25/2021 3:12	0:00:11	40.39	-61.51	490.36	40.02	-60.88	490.34	-143.77	0.23
1884	1/25/2021 3:14	1/25/2021 3:14	0:00:00	35.26	-53.83	490.04	35.26	-53.83	490.04	-143.94	0.06
1885	1/25/2021 3:14	1/25/2021 3:17	0:03:00	33.15	-51.16	489.90	25.07	-42.60	489.40	-142.20	1.80
1886	1/25/2021 3:19	1/25/2021 3:19	0:00:09	22.24	-40.03	489.28	21.77	-39.61	489.26	-143.59	0.41
1887	1/25/2021 3:19	1/25/2021 3:20	0:01:20	20.34	-38.38	489.22	16.47	-35.21	489.15	-141.91	2.09
1888	1/25/2021 3:21	1/25/2021 3:22	0:00:39	15.00	-34.06	489.14	13.03	-32.55	489.16	-141.71	2.29
1889	1/25/2021 3:22	1/25/2021 3:23	0:00:11	10.56	-30.70	489.22	10.06	-30.34	489.24	-143.50	0.50
1890	1/25/2021 3:24	1/25/2021 3:25	0:01:20	7.57	-28.53	489.35	3.57	-25.68	489.62	-141.92	2.08
1891	1/25/2021 3:25	1/25/2021 3:48	0:22:50	1.57	-24.27	489.80	-51.53	53.29	499.44	-140.98	3.02
1892	1/25/2021 3:49	1/25/2021 3:54	0:05:10	-51.74	57.19	499.20	-48.62	86.41	495.54	-140.72	3.28
1893	1/25/2021 3:55	1/25/2021 3:57	0:02:30	-47.91	88.94	495.04	-43.56	100.47	492.22	-141.93	2.07
1894	1/25/2021 3:58	1/25/2021 3:58	0:00:20	-42.20	103.23	491.39	-41.49	104.56	490.98	-143.04	0.96
1895	1/25/2021 4:03	1/25/2021 4:04	0:00:11	-28.73	121.80	484.23	-28.28	122.27	484.01	-143.53	0.47
1896	1/25/2021 4:04	1/25/2021 4:08	0:03:40	-26.91	123.65	483.38	-16.43	132.84	479.23	-140.00	4.00
1897	1/25/2021 4:13	1/25/2021 4:21	0:08:00	-1.48	143.82	475.71	22.30	161.78	476.61	-140.34	3.66
1898	1/25/2021 4:21	1/25/2021 4:43	0:22:00	24.19	163.49	477.01	45.18	-95.18	490.49	-139.80	4.20
1899	1/25/2021 4:44	1/25/2021 4:45	0:01:29	44.25	-92.97	490.48	41.16	-86.79	490.38	-142.53	1.47
1900	1/25/2021 4:46	1/25/2021 4:46	0:00:11	40.06	-84.87	490.33	39.68	-84.24	490.31	-143.89	0.11
1901	1/25/2021 4:49	1/25/2021 4:52	0:03:00	33.19	-75.14	489.91	25.11	-66.56	489.43	-142.12	1.88
1902	1/25/2021 4:53	1/25/2021 4:53	0:00:00	21.82	-63.58	489.29	21.82	-63.58	489.29	-143.16	0.84
1903	1/25/2021 4:53	1/25/2021 4:55	0:01:20	20.39	-62.35	489.25	16.52	-59.18	489.19	-141.89	2.11
1904	1/25/2021 4:55	1/25/2021 4:56	0:00:29	14.56	-57.64	489.19	13.08	-56.52	489.21	-141.62	2.38
1905	1/25/2021 4:57	1/25/2021 4:57	0:00:11	10.12	-54.30	489.29	9.62	-53.94	489.31	-142.16	1.84
1906	1/25/2021 4:58	1/25/2021 4:59	0:01:31	7.63	-52.49	489.41	3.13	-49.29	489.74	-141.80	2.20
1907	1/25/2021 5:00	1/25/2021 5:01	0:01:50	1.62	-48.23	489.88	-3.89	-44.35	490.55	-142.78	1.22
1908	1/25/2021 5:02	1/25/2021 5:23	0:20:30	-5.39	-43.28	490.77	-51.52	29.26	499.61	-140.93	3.07
1909	1/25/2021 5:23	1/25/2021 5:26	0:02:30	-51.73	33.15	499.36	-51.25	47.79	497.96	-140.94	3.06
1910	1/25/2021 5:26	1/25/2021 5:31	0:05:19	-50.91	50.65	497.60	-43.27	77.17	492.14	-141.44	2.56
1911	1/25/2021 5:32	1/25/2021 5:32	0:00:21	-42.24	79.23	491.51	-41.53	80.56	491.09	-143.54	0.46
1912	1/25/2021 5:37	1/25/2021 5:42	0:04:49	-29.24	97.35	484.49	-15.51	109.64	478.89	-139.31	4.69
1913	1/25/2021 5:47	1/25/2021 5:55	0:07:59	-1.04	120.21	475.56	22.72	138.24	476.53	-140.44	3.56
1914	1/25/2021 5:56	1/25/2021 6:20	0:23:59	24.61	139.95	476.93	40.84	-110.13	490.23	-139.78	4.22
1915	1/25/2021 6:20	1/25/2021 6:20	0:00:19	39.72	-108.23	490.18	38.95	-107.00	490.14	-143.76	0.24
1916	1/25/2021 6:23	1/25/2021 6:26	0:03:00	32.81	-98.60	489.79	24.70	-90.10	489.35	-142.03	1.97
1917	1/25/2021 6:27	1/25/2021 6:27	0:00:09	21.87	-87.54	489.25	21.39	-87.13	489.23	-143.53	0.47
1918	1/25/2021 6:28	1/25/2021 6:29	0:01:10	19.96	-85.91	489.20	16.57	-83.14	489.16	-141.95	2.05
1919	1/25/2021 6:30	1/25/2021 6:30	0:00:30	14.12	-81.23	489.18	12.64	-80.10	489.20	-141.78	2.22
1920	1/25/2021 6:31	1/25/2021 6:33	0:02:30	10.17	-78.26	489.28	2.68	-72.89	489.79	-141.77	2.23

Table 12 Departure GN 3 Mbps (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)
1921	1/25/2021 6:34	1/25/2021 6:36	0:01:51	1.17	-71.83	489.94	-4.34	-67.95	490.64	-142.76	1.24
1922	1/25/2021 6:36	1/25/2021 6:57	0:20:29	-5.84	-66.88	490.87	-51.58	6.20	499.59	-140.98	3.02
1923	1/25/2021 6:58	1/25/2021 7:00	0:02:19	-51.76	10.11	499.34	-51.26	23.77	498.01	-140.84	3.16
1924	1/25/2021 7:01	1/25/2021 7:03	0:02:10	-50.80	27.57	497.51	-48.44	39.23	495.57	-141.56	2.44
1925	1/25/2021 7:03	1/25/2021 7:06	0:02:30	-47.72	41.74	495.05	-43.30	53.17	492.18	-141.77	2.23
1926	1/25/2021 7:06	1/25/2021 7:07	0:00:30	-42.28	55.24	491.56	-41.21	57.23	490.92	-143.90	0.10
1927	1/25/2021 7:12	1/25/2021 7:16	0:04:49	-28.83	73.85	484.30	-15.07	86.06	478.73	-138.54	5.46
1928	1/25/2021 7:21	1/25/2021 7:29	0:07:49	-0.58	96.61	475.46	22.67	114.27	476.48	-140.82	3.18
1929	1/25/2021 7:30	1/25/2021 7:54	0:24:10	24.56	115.98	476.89	40.51	-133.48	490.24	-139.19	4.81
1930	1/25/2021 7:55	1/25/2021 7:55	0:00:20	39.38	-131.60	490.18	38.61	-130.38	490.15	-143.52	0.48
1931	1/25/2021 7:55	1/25/2021 7:55	0:00:09	37.42	-128.60	490.08	37.02	-128.02	490.06	-143.81	0.19
1932	1/25/2021 7:57	1/25/2021 7:58	0:00:21	32.85	-122.58	489.81	31.98	-121.56	489.76	-143.68	0.32
1933	1/25/2021 7:58	1/25/2021 8:00	0:02:10	30.66	-120.06	489.69	24.74	-114.06	489.39	-141.95	2.05
1934	1/25/2021 8:01	1/25/2021 8:03	0:02:10	22.39	-111.93	489.30	16.13	-106.72	489.21	-141.97	2.03
1935	1/25/2021 8:04	1/25/2021 8:04	0:00:20	13.68	-104.81	489.23	12.69	-104.07	489.26	-141.80	2.20
1936	1/25/2021 8:05	1/25/2021 8:08	0:02:21	9.72	-101.86	489.36	2.73	-96.85	489.85	-141.76	2.24
1937	1/25/2021 8:08	1/25/2021 8:10	0:01:51	0.72	-95.44	490.06	-4.79	-91.56	490.78	-142.66	1.34
1938	1/25/2021 8:11	1/25/2021 8:31	0:20:20	-6.29	-90.49	491.02	-51.58	-17.83	499.71	-140.87	3.13
1939	1/25/2021 8:32	1/25/2021 8:34	0:02:30	-51.75	-13.92	499.45	-51.16	0.70	498.00	-140.82	3.18
1940	1/25/2021 8:35	1/25/2021 8:37	0:02:11	-50.81	3.54	497.63	-48.46	15.21	495.68	-141.70	2.30
1941	1/25/2021 8:37	1/25/2021 8:40	0:02:21	-47.49	18.55	494.99	-43.34	29.17	492.29	-141.69	2.31
1942	1/25/2021 8:40	1/25/2021 8:40	0:00:00	-42.31	31.24	491.66	-42.31	31.24	491.66	-143.99	0.01
1943	1/25/2021 8:46	1/25/2021 8:51	0:05:00	-28.88	49.87	484.39	-14.63	62.48	478.62	-138.44	5.56
1944	1/25/2021 8:56	1/25/2021 9:02	0:06:10	-0.14	73.00	475.41	18.29	86.62	475.71	-141.58	2.42
1945	1/25/2021 9:02	1/25/2021 9:03	0:01:09	19.74	87.82	475.94	23.09	90.72	476.57	-140.96	3.04
1946	1/25/2021 9:04	1/25/2021 9:28	0:24:10	24.51	92.01	476.87	40.55	-157.47	490.31	-139.58	4.42
1947	1/25/2021 9:29	1/25/2021 9:30	0:01:09	39.42	-155.59	490.26	36.66	-151.44	490.12	-143.30	0.70
1948	1/25/2021 9:31	1/25/2021 9:31	0:00:00	32.47	-146.05	489.87	32.47	-146.05	489.87	-143.95	0.05
1949	1/25/2021 9:32	1/25/2021 9:34	0:02:10	30.27	-143.56	489.74	24.33	-137.60	489.45	-141.88	2.12
1950	1/25/2021 9:36	1/25/2021 9:37	0:01:49	21.49	-135.07	489.35	16.18	-130.68	489.28	-142.01	1.99
1951	1/25/2021 9:38	1/25/2021 9:39	0:00:20	13.24	-128.41	489.31	12.25	-127.66	489.33	-142.16	1.84
1952	1/25/2021 9:39	1/25/2021 9:40	0:00:21	9.78	-125.82	489.42	8.78	-125.10	489.47	-142.64	1.36
1953	1/25/2021 9:40	1/25/2021 9:42	0:01:40	7.29	-124.02	489.55	2.28	-120.46	489.96	-141.73	2.27
1954	1/25/2021 9:43	1/25/2021 9:43	0:00:39	0.28	-119.05	490.17	-1.73	-117.64	490.41	-143.74	0.26
1955	1/25/2021 9:44	1/25/2021 10:05	0:21:30	-3.23	-116.58	490.61	-51.63	-40.89	499.63	-140.83	3.17
1956	1/25/2021 10:06	1/25/2021 10:08	0:02:19	-51.77	-36.98	499.35	-51.18	-23.34	497.97	-140.95	3.05
1957	1/25/2021 10:09	1/25/2021 10:11	0:02:10	-50.83	-20.49	497.59	-48.49	-8.81	495.64	-141.81	2.19
1958	1/25/2021 10:12	1/25/2021 10:14	0:02:30	-47.52	-5.47	494.95	-43.04	5.86	492.04	-141.93	2.07
1959	1/25/2021 10:15	1/25/2021 10:15	0:00:00	-42.00	7.91	491.41	-42.00	7.91	491.41	-143.97	0.03
1960	1/25/2021 10:20	1/25/2021 10:25	0:05:01	-28.48	26.37	484.13	-14.19	38.89	478.42	-138.69	5.31
1961	1/25/2021 10:30	1/25/2021 10:58	0:27:51	0.31	49.39	475.31	48.74	158.30	490.25	-139.09	4.91
1962	1/25/2021 10:58	1/25/2021 11:04	0:05:50	48.04	160.85	490.32	36.30	-174.86	490.13	-140.54	3.46
1963	1/25/2021 11:05	1/25/2021 11:05	0:00:00	35.07	-173.20	490.06	35.07	-173.20	490.06	-143.89	0.11
1964	1/25/2021 11:06	1/25/2021 11:09	0:02:21	30.32	-167.53	489.79	23.91	-161.15	489.48	-141.78	2.22
1965	1/25/2021 11:10	1/25/2021 11:12	0:01:29	20.11	-157.81	489.36	15.75	-154.27	489.33	-141.94	2.06
1966	1/25/2021 11:13	1/25/2021 11:13	0:00:09	12.80	-152.00	489.37	12.31	-151.63	489.38	-142.45	1.55
1967	1/25/2021 11:14	1/25/2021 11:16	0:02:30	9.34	-149.43	489.49	1.84	-144.07	490.04	-141.71	2.29
1968	1/25/2021 11:17	1/25/2021 11:17	0:00:11	-0.67	-142.31	490.31	-1.17	-141.96	490.37	-143.81	0.19
1969	1/25/2021 11:18	1/25/2021 11:19	0:00:21	-4.18	-139.84	490.78	-5.18	-139.13	490.92	-142.48	1.52
1970	1/25/2021 11:19	1/25/2021 11:40	0:20:20	-6.68	-138.06	491.16	-51.62	-64.92	499.57	-140.60	3.40
1971	1/25/2021 11:40	1/25/2021 11:45	0:05:00	-51.77	-61.01	499.30	-48.52	-32.83	495.58	-140.87	3.13
1972	1/25/2021 11:46	1/25/2021 11:48	0:02:21	-47.29	-28.67	494.71	-43.08	-18.14	491.98	-141.88	2.12
1973	1/25/2021 11:49	1/25/2021 11:49	0:00:00	-42.04	-16.09	491.35	-42.04	-16.09	491.35	-143.86	0.14
1974	1/25/2021 11:54	1/25/2021 11:59	0:04:51	-28.08	2.86	483.86	-14.25	14.92	478.37	-139.30	4.70
1975	1/25/2021 12:04	1/25/2021 12:12	0:07:49	0.26	25.42	475.26	23.46	43.21	476.57	-141.57	2.43
1976	1/25/2021 12:13	1/25/2021 12:26	0:13:49	24.87	44.51	476.88	51.55	101.98	488.09	-139.65	4.35
1977	1/25/2021 12:27	1/25/2021 12:32	0:05:11	51.71	104.91	488.38	48.76	134.29	490.23	-140.80	3.20
1978	1/25/2021 12:33	1/25/2021 12:36	0:03:01	47.58	138.49	490.34	42.07	151.92	490.39	-139.81	4.19
1979	1/25/2021 12:36	1/25/2021 12:39	0:02:39	41.00	153.89	490.36	34.69	163.36	490.04	-142.82	1.18
1980	1/25/2021 12:41	1/25/2021 12:44	0:02:50	30.37	168.49	489.79	22.55	176.16	489.43	-141.69	2.31

Table 12 Departure GN 3 Mbps (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)
1981	1/25/2021 12:45	1/25/2021 12:46	0:01:19	19.68	178.63	489.36	15.80	-178.23	489.34	-141.74	2.26
1982	1/25/2021 12:47	1/25/2021 12:47	0:00:10	12.86	-175.96	489.38	12.36	-175.59	489.39	-142.40	1.60
1983	1/25/2021 12:48	1/25/2021 12:48	0:00:40	10.38	-174.12	489.46	8.39	-172.66	489.55	-142.82	1.18
1984	1/25/2021 12:49	1/25/2021 12:50	0:01:40	6.90	-171.59	489.64	1.89	-168.04	490.05	-141.72	2.28
1985	1/25/2021 12:51	1/25/2021 12:52	0:00:11	-1.12	-165.92	490.39	-1.62	-165.57	490.46	-143.82	0.18
1986	1/25/2021 12:53	1/25/2021 12:53	0:00:29	-4.12	-163.80	490.80	-5.62	-162.74	491.02	-142.79	1.21
1987	1/25/2021 12:53	1/25/2021 13:02	0:08:41	-7.12	-161.67	491.26	-31.86	-140.23	496.85	-141.79	2.21
1988	1/25/2021 13:03	1/25/2021 13:14	0:11:00	-33.15	-138.70	497.18	-51.62	-88.95	499.61	-140.71	3.29
1989	1/25/2021 13:15	1/25/2021 13:19	0:04:49	-51.79	-84.06	499.26	-48.54	-56.85	495.62	-141.07	2.93
1990	1/25/2021 13:20	1/25/2021 13:23	0:02:21	-47.32	-52.68	494.75	-43.12	-42.14	492.02	-142.03	1.97
1991	1/25/2021 13:23	1/25/2021 13:23	0:00:00	-42.08	-40.09	491.39	-42.08	-40.09	491.39	-143.83	0.17
1992	1/25/2021 13:29	1/25/2021 13:34	0:04:51	-27.67	-20.65	483.66	-13.81	-8.66	478.22	-139.13	4.87
1993	1/25/2021 13:36	1/25/2021 13:36	0:00:00	-7.34	-3.88	476.50	-7.34	-3.88	476.50	-143.71	0.29
1994	1/25/2021 13:38	1/25/2021 14:01	0:22:10	0.70	1.82	475.19	51.61	78.92	488.11	-139.43	4.57
1995	1/25/2021 14:01	1/25/2021 14:06	0:05:10	51.74	81.86	488.39	48.56	111.13	490.18	-140.70	3.30
1996	1/25/2021 14:07	1/25/2021 14:10	0:03:00	47.60	114.48	490.26	42.11	127.92	490.33	-139.18	4.82
1997	1/25/2021 14:11	1/25/2021 14:13	0:02:40	41.03	129.90	490.29	34.74	139.38	489.99	-142.67	1.33
1998	1/25/2021 14:15	1/25/2021 14:15	0:00:00	29.97	145.00	489.71	29.97	145.00	489.71	-143.99	0.01
1999	1/25/2021 14:16	1/25/2021 14:18	0:02:10	28.17	146.89	489.62	22.13	152.61	489.37	-141.58	2.42
2000	1/25/2021 14:19	1/25/2021 14:20	0:01:20	19.25	155.06	489.31	15.37	158.19	489.29	-141.70	2.30
2001	1/25/2021 14:21	1/25/2021 14:21	0:00:20	12.91	160.07	489.33	11.92	160.82	489.36	-142.88	1.12
2002	1/25/2021 14:22	1/25/2021 14:23	0:00:41	10.44	161.92	489.41	8.45	163.37	489.50	-142.38	1.62
2003	1/25/2021 14:23	1/25/2021 14:25	0:01:40	6.45	164.81	489.62	1.44	168.36	490.06	-141.69	2.31
2004	1/25/2021 14:26	1/25/2021 14:26	0:00:09	-1.56	170.47	490.41	-2.07	170.82	490.47	-143.79	0.21
2005	1/25/2021 14:27	1/25/2021 14:27	0:00:30	-4.57	172.59	490.82	-6.07	173.66	491.05	-142.87	1.13
2006	1/25/2021 14:28	1/25/2021 14:48	0:20:11	-7.57	174.73	491.30	-51.66	-112.00	499.52	-140.41	3.59
2007	1/25/2021 14:49	1/25/2021 14:54	0:04:50	-51.79	-108.09	499.24	-48.57	-80.86	495.61	-140.99	3.01
2008	1/25/2021 14:54	1/25/2021 14:57	0:02:40	-47.09	-75.88	494.56	-42.12	-64.08	491.38	-142.32	1.68
2009	1/25/2021 15:02	1/25/2021 15:02	0:00:00	-29.53	-46.50	484.52	-29.53	-46.50	484.52	-143.80	0.20
2010	1/25/2021 15:03	1/25/2021 15:08	0:05:00	-27.72	-44.62	483.65	-13.37	-32.25	478.05	-139.95	4.05
2011	1/25/2021 15:13	1/25/2021 15:35	0:22:00	1.16	-21.79	475.11	51.60	54.90	488.08	-139.78	4.22
2012	1/25/2021 15:35	1/25/2021 15:41	0:05:11	51.74	57.84	488.37	48.59	87.12	490.15	-140.52	3.48
2013	1/25/2021 15:41	1/25/2021 15:44	0:02:49	47.38	91.30	490.26	42.14	103.93	490.31	-140.03	3.97
2014	1/25/2021 15:45	1/25/2021 15:47	0:02:50	41.07	105.91	490.27	34.36	115.94	489.95	-142.46	1.54
2015	1/25/2021 15:48	1/25/2021 15:48	0:00:00	32.65	118.04	489.85	32.65	118.04	489.85	-143.98	0.02
2016	1/25/2021 15:50	1/25/2021 15:52	0:02:10	28.22	122.92	489.61	22.17	128.65	489.37	-141.52	2.48
2017	1/25/2021 15:53	1/25/2021 15:55	0:01:31	19.30	131.10	489.31	14.93	134.61	489.30	-141.68	2.32
2018	1/25/2021 15:55	1/25/2021 15:56	0:00:21	12.96	136.11	489.33	11.97	136.86	489.36	-142.47	1.53
2019	1/25/2021 15:56	1/25/2021 15:57	0:00:39	9.99	138.33	489.43	8.00	139.78	489.53	-141.89	2.11
2020	1/25/2021 15:58	1/25/2021 15:59	0:01:29	6.00	141.21	489.66	1.50	144.40	490.06	-141.65	2.35
2021	1/25/2021 16:00	1/25/2021 16:00	0:00:00	-2.01	146.86	490.47	-2.01	146.86	490.47	-143.78	0.22
2022	1/25/2021 16:01	1/25/2021 16:02	0:00:50	-4.02	148.28	490.75	-6.52	150.06	491.13	-143.03	0.97
2023	1/25/2021 16:02	1/25/2021 16:11	0:08:30	-8.02	151.13	491.38	-32.20	172.32	496.89	-141.56	2.44
2024	1/25/2021 16:11	1/25/2021 16:22	0:11:00	-33.49	173.87	497.22	-51.66	-136.02	499.48	-140.64	3.36
2025	1/25/2021 16:23	1/25/2021 16:28	0:04:49	-51.80	-131.13	499.11	-48.36	-104.02	495.40	-140.90	3.10
2026	1/25/2021 16:29	1/25/2021 16:32	0:02:51	-47.12	-99.89	494.52	-41.80	-87.40	491.13	-142.33	1.67
2027	1/25/2021 16:37	1/25/2021 16:37	0:00:00	-29.12	-70.00	484.27	-29.12	-70.00	484.27	-142.21	1.79
2028	1/25/2021 16:37	1/25/2021 16:39	0:02:10	-27.76	-68.59	483.62	-21.69	-62.91	480.96	-140.54	3.46
2029	1/25/2021 16:40	1/25/2021 16:42	0:02:21	-20.25	-61.67	480.39	-13.42	-56.21	478.01	-140.71	3.29
2030	1/25/2021 16:47	1/25/2021 16:55	0:07:40	1.61	-45.39	475.02	24.26	-27.84	476.66	-141.03	2.97
2031	1/25/2021 16:55	1/25/2021 17:09	0:13:49	25.66	-26.52	476.98	51.65	31.86	488.22	-139.67	4.33
2032	1/25/2021 17:10	1/25/2021 17:15	0:05:10	51.76	34.80	488.49	48.38	63.96	490.23	-140.64	3.36
2033	1/25/2021 17:15	1/25/2021 17:22	0:06:11	47.40	67.29	490.31	34.40	91.97	490.00	-139.86	4.14
2034	1/25/2021 17:22	1/25/2021 17:22	0:00:00	32.70	94.07	489.90	32.70	94.07	489.90	-143.71	0.29
2035	1/25/2021 17:24	1/25/2021 17:26	0:02:00	27.81	99.42	489.64	22.22	104.68	489.42	-141.78	2.22
2036	1/25/2021 17:27	1/25/2021 17:29	0:01:40	18.87	107.53	489.35	13.99	111.40	489.36	-141.74	2.26
2037	1/25/2021 17:29	1/25/2021 17:30	0:00:20	12.52	112.53	489.39	11.53	113.27	489.42	-142.76	1.24
2038	1/25/2021 17:30	1/25/2021 17:31	0:00:41	10.04	114.37	489.47	8.05	115.82	489.57	-141.89	2.11
2039	1/25/2021 17:32	1/25/2021 17:33	0:01:31	6.05	117.25	489.70	1.55	120.44	490.09	-141.62	2.38
2040	1/25/2021 17:34	1/25/2021 17:34	0:00:00	-2.47	123.26	490.57	-2.47	123.26	490.57	-143.76	0.24

Table 12 Departure GN 3 Mbps (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)
2041	1/25/2021 17:35	1/25/2021 17:36	0:00:50	-3.97	124.32	490.78	-6.47	126.10	491.16	-143.17	0.83
2042	1/25/2021 17:36	1/25/2021 17:45	0:08:41	-7.97	127.17	491.40	-32.59	148.86	497.00	-141.59	2.41
2043	1/25/2021 17:45	1/25/2021 17:56	0:10:51	-33.88	150.42	497.32	-51.65	-160.05	499.50	-140.55	3.45
2044	1/25/2021 17:57	1/25/2021 18:02	0:04:51	-51.79	-155.15	499.14	-48.38	-128.03	495.43	-141.16	2.84
2045	1/25/2021 18:03	1/25/2021 18:06	0:03:01	-47.40	-124.70	494.74	-41.83	-111.39	491.17	-142.29	1.71
2046	1/25/2021 18:11	1/25/2021 18:14	0:02:40	-29.17	-93.97	484.32	-21.73	-86.87	481.01	-141.17	2.83
2047	1/25/2021 18:14	1/25/2021 18:16	0:02:30	-20.30	-85.64	480.44	-12.97	-79.80	477.92	-140.57	3.43
2048	1/25/2021 18:17	1/25/2021 18:17	0:00:19	-10.99	-78.31	477.36	-9.99	-77.58	477.10	-143.78	0.22
2049	1/25/2021 18:22	1/25/2021 18:43	0:21:49	2.06	-69.00	475.04	51.64	7.83	488.24	-139.94	4.06
2050	1/25/2021 18:44	1/25/2021 18:49	0:05:11	51.76	10.78	488.51	48.40	39.95	490.24	-140.25	3.75
2051	1/25/2021 18:50	1/25/2021 18:53	0:03:00	47.42	43.28	490.32	41.86	56.61	490.35	-140.38	3.62
2052	1/25/2021 18:53	1/25/2021 18:57	0:03:31	40.78	58.58	490.31	32.31	70.60	489.86	-142.06	1.94
2053	1/25/2021 18:58	1/25/2021 19:01	0:02:10	27.85	75.44	489.61	21.79	81.13	489.37	-141.91	2.09
2054	1/25/2021 19:01	1/25/2021 19:03	0:01:50	18.92	83.57	489.31	13.55	87.81	489.32	-141.72	2.28
2055	1/25/2021 19:04	1/25/2021 19:05	0:01:29	12.07	88.93	489.35	7.60	92.21	489.55	-141.75	2.25
2056	1/25/2021 19:06	1/25/2021 19:07	0:01:40	6.10	93.29	489.65	1.09	96.83	490.10	-141.63	2.37
2057	1/25/2021 19:09	1/25/2021 19:09	0:00:00	-2.92	99.65	490.59	-2.92	99.65	490.59	-143.82	0.18
2058	1/25/2021 19:09	1/25/2021 19:10	0:00:49	-4.42	100.71	490.81	-6.92	102.49	491.20	-143.22	0.78
2059	1/25/2021 19:11	1/25/2021 19:19	0:08:30	-8.41	103.57	491.45	-32.55	124.88	497.02	-141.50	2.50
2060	1/25/2021 19:20	1/25/2021 19:30	0:10:49	-33.83	126.44	497.35	-51.65	175.93	499.64	-140.56	3.44
2061	1/25/2021 19:32	1/25/2021 19:36	0:04:40	-51.79	-178.19	499.21	-48.40	-152.04	495.63	-141.24	2.76
2062	1/25/2021 19:37	1/25/2021 19:40	0:03:00	-47.43	-148.72	494.94	-41.87	-135.39	491.39	-142.34	1.66
2063	1/25/2021 19:45	1/25/2021 19:48	0:02:40	-29.22	-117.95	484.54	-21.78	-110.85	481.22	-141.18	2.82
2064	1/25/2021 19:48	1/25/2021 19:49	0:00:31	-19.87	-109.21	480.46	-18.42	-108.00	479.92	-142.47	1.53
2065	1/25/2021 19:49	1/25/2021 19:50	0:00:39	-16.96	-106.82	479.39	-15.00	-105.28	478.73	-141.15	2.85
2066	1/25/2021 19:50	1/25/2021 19:51	0:00:20	-13.52	-104.14	478.27	-12.53	-103.39	477.97	-142.17	1.83
2067	1/25/2021 19:51	1/25/2021 19:52	0:00:20	-11.04	-102.28	477.55	-10.04	-101.54	477.29	-143.36	0.64
2068	1/25/2021 19:56	1/25/2021 20:18	0:21:59	2.01	-92.96	475.19	51.68	-15.22	488.24	-139.96	4.04
2069	1/25/2021 20:18	1/25/2021 20:23	0:05:10	51.78	-12.27	488.51	48.19	16.78	490.15	-140.57	3.43
2070	1/25/2021 20:24	1/25/2021 20:27	0:02:50	47.19	20.08	490.22	41.90	32.61	490.22	-141.17	2.83
2071	1/25/2021 20:27	1/25/2021 20:31	0:03:30	40.82	34.58	490.18	32.35	46.62	489.71	-141.82	2.18
2072	1/25/2021 20:32	1/25/2021 20:35	0:02:10	27.90	51.47	489.46	21.84	57.16	489.21	-141.90	2.10
2073	1/25/2021 20:36	1/25/2021 20:37	0:01:49	18.97	59.60	489.15	13.60	63.85	489.16	-141.76	2.24
2074	1/25/2021 20:38	1/25/2021 20:40	0:01:29	11.63	65.34	489.21	7.15	68.61	489.42	-141.82	2.18
2075	1/25/2021 20:40	1/25/2021 20:42	0:01:31	5.66	69.68	489.53	1.15	72.87	489.94	-141.60	2.40
2076	1/25/2021 20:43	1/25/2021 20:43	0:00:00	-2.86	75.69	490.44	-2.86	75.69	490.44	-143.86	0.14
2077	1/25/2021 20:44	1/25/2021 20:45	0:00:50	-4.87	77.10	490.74	-7.36	78.89	491.14	-143.32	0.68
2078	1/25/2021 20:45	1/25/2021 20:54	0:08:30	-8.86	79.97	491.41	-32.93	101.42	497.11	-141.56	2.44
2079	1/25/2021 20:54	1/25/2021 21:05	0:10:51	-34.21	102.99	497.44	-51.69	152.87	499.73	-140.52	3.48
2080	1/25/2021 21:06	1/25/2021 21:10	0:04:39	-51.80	157.78	499.37	-48.43	-176.06	495.84	-141.39	2.61
2081	1/25/2021 21:11	1/25/2021 21:13	0:01:59	-47.20	-171.92	494.97	-43.62	-162.83	492.66	-142.42	1.58
2082	1/25/2021 21:14	1/25/2021 21:14	0:00:20	-42.61	-160.74	492.04	-41.91	-159.39	491.62	-143.73	0.27
2083	1/25/2021 21:19	1/25/2021 21:20	0:00:59	-28.82	-141.45	484.55	-26.07	-138.70	483.27	-141.34	2.66
2084	1/25/2021 21:21	1/25/2021 21:22	0:01:11	-24.67	-137.37	482.64	-21.36	-134.40	481.25	-140.90	3.10
2085	1/25/2021 21:23	1/25/2021 21:23	0:00:19	-19.44	-132.77	480.49	-18.47	-131.97	480.13	-142.64	1.36
2086	1/25/2021 21:24	1/25/2021 21:24	0:00:29	-16.52	-130.40	479.43	-15.05	-129.25	478.93	-140.53	3.47
2087	1/25/2021 21:25	1/25/2021 21:26	0:01:09	-13.08	-127.73	478.31	-9.60	-125.14	477.34	-142.05	1.95
2088	1/25/2021 21:30	1/25/2021 21:52	0:21:49	2.45	-116.58	475.28	51.68	-39.26	488.09	-140.07	3.93
2089	1/25/2021 21:52	1/25/2021 21:58	0:05:20	51.78	-36.31	488.35	47.98	-6.41	489.98	-140.58	3.42
2090	1/25/2021 21:58	1/25/2021 22:01	0:02:51	47.22	-3.94	490.02	41.94	8.61	490.02	-141.63	2.37
2091	1/25/2021 22:01	1/25/2021 22:05	0:03:41	40.86	10.58	489.98	31.97	23.14	489.49	-141.65	2.35
2092	1/25/2021 22:06	1/25/2021 22:06	0:00:00	30.65	24.63	489.41	30.65	24.63	489.41	-143.79	0.21
2093	1/25/2021 22:07	1/25/2021 22:09	0:02:10	27.50	27.95	489.24	21.42	33.60	489.00	-141.92	2.08
2094	1/25/2021 22:10	1/25/2021 22:12	0:01:50	19.02	35.63	488.96	13.66	39.88	488.98	-141.70	2.30
2095	1/25/2021 22:13	1/25/2021 22:14	0:01:19	11.19	41.74	489.05	7.21	44.64	489.25	-141.78	2.22
2096	1/25/2021 22:14	1/25/2021 22:16	0:01:40	5.71	45.72	489.36	0.70	49.26	489.84	-141.64	2.36
2097	1/25/2021 22:17	1/25/2021 22:17	0:00:00	-3.31	52.08	490.36	-3.31	52.08	490.36	-143.88	0.12
2098	1/25/2021 22:18	1/25/2021 22:19	0:00:41	-5.81	53.85	490.74	-7.81	55.28	491.08	-143.28	0.72
2099	1/25/2021 22:19	1/25/2021 22:39	0:19:40	-9.30	56.37	491.35	-51.69	128.85	499.69	-140.42	3.58
2100	1/25/2021 22:40	1/25/2021 22:45	0:04:40	-51.79	134.73	499.26	-48.22	160.77	495.67	-141.43	2.57

Table 12 Departure GN 3 Mbps (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)
2101	1/25/2021 22:45	1/25/2021 22:47	0:02:01	-47.22	164.08	494.97	-43.66	173.18	492.67	-142.29	1.71
2102	1/25/2021 22:48	1/25/2021 22:48	0:00:21	-42.64	175.27	492.06	-41.95	176.62	491.64	-143.75	0.25
2103	1/25/2021 22:54	1/25/2021 22:55	0:00:50	-28.41	-164.96	484.38	-26.12	-162.67	483.31	-141.11	2.89
2104	1/25/2021 22:55	1/25/2021 22:56	0:01:11	-24.72	-161.34	482.69	-21.41	-158.37	481.29	-141.71	2.29
2105	1/25/2021 22:57	1/25/2021 22:57	0:00:20	-19.01	-156.34	480.35	-18.04	-155.54	479.99	-143.29	0.71
2106	1/25/2021 22:58	1/25/2021 22:58	0:00:39	-16.57	-154.37	479.47	-14.61	-152.83	478.82	-140.40	3.60
2107	1/25/2021 22:59	1/25/2021 22:59	0:00:00	-12.14	-150.95	478.06	-12.14	-150.95	478.06	-142.24	1.76
2108	1/25/2021 23:00	1/25/2021 23:00	0:00:20	-10.65	-149.84	477.65	-9.65	-149.11	477.38	-142.72	1.28
2109	1/25/2021 23:04	1/25/2021 23:40	0:35:49	2.40	-140.54	475.31	30.25	1.15	489.35	-139.98	4.02
2110	1/25/2021 23:42	1/25/2021 23:46	0:04:29	26.17	5.34	489.14	13.22	16.29	488.94	-141.70	2.30
2111	1/25/2021 23:47	1/25/2021 23:50	0:03:30	10.74	18.15	489.02	0.25	25.65	489.84	-141.65	2.35
2112	1/25/2021 23:53	1/25/2021 23:53	0:00:20	-7.26	30.96	490.93	-8.26	31.68	491.10	-143.08	0.92
2113	1/25/2021 23:54	1/26/2021 0:02	0:08:21	-9.75	32.77	491.38	-33.27	53.98	497.07	-141.44	2.56
2114	1/26/2021 0:02	1/26/2021 0:13	0:10:51	-34.55	55.56	497.40	-51.72	105.80	499.61	-140.32	3.68
2115	1/26/2021 0:14	1/26/2021 0:22	0:07:20	-51.79	110.71	499.23	-43.69	149.18	492.66	-141.09	2.91
2116	1/26/2021 0:22	1/26/2021 0:22	0:00:11	-42.34	151.95	491.84	-41.98	152.63	491.63	-143.80	0.20
2117	1/26/2021 0:28	1/26/2021 0:29	0:00:39	-27.55	172.00	483.95	-25.70	173.81	483.10	-141.71	2.29
2118	1/26/2021 0:29	1/26/2021 0:30	0:00:41	-24.30	175.12	482.48	-22.41	176.83	481.68	-142.26	1.74
2119	1/26/2021 0:31	1/26/2021 0:31	0:00:09	-18.57	-179.90	480.17	-18.09	-179.50	479.99	-143.87	0.13
2120	1/26/2021 0:32	1/26/2021 0:33	0:00:29	-16.14	-177.94	479.30	-14.66	-176.79	478.81	-139.74	4.26
2121	1/26/2021 0:34	1/26/2021 0:34	0:00:30	-10.70	-173.80	477.64	-9.21	-172.70	477.25	-142.00	2.00
2122	1/26/2021 0:36	1/26/2021 0:36	0:00:00	-6.20	-170.53	476.56	-6.20	-170.53	476.56	-143.96	0.04
2123	1/26/2021 0:39	1/26/2021 1:14	0:35:49	2.85	-164.14	475.25	29.85	-22.34	489.31	-139.97	4.03
2124	1/26/2021 1:16	1/26/2021 1:18	0:02:19	25.75	-18.18	489.11	19.12	-12.30	488.92	-141.88	2.12
2125	1/26/2021 1:19	1/26/2021 1:20	0:01:29	17.67	-11.11	488.90	13.27	-7.66	488.94	-141.65	2.35
2126	1/26/2021 1:21	1/26/2021 1:25	0:03:40	10.79	-5.81	489.02	-0.20	2.04	489.91	-141.70	2.30
2127	1/26/2021 1:27	1/26/2021 1:27	0:00:30	-7.21	7.01	490.94	-8.70	8.09	491.20	-143.01	0.99
2128	1/26/2021 1:28	1/26/2021 1:36	0:08:20	-10.20	9.17	491.48	-33.66	30.52	497.17	-141.44	2.56
2129	1/26/2021 1:37	1/26/2021 1:47	0:10:40	-34.92	32.12	497.50	-51.72	81.78	499.59	-140.20	3.80
2130	1/26/2021 1:49	1/26/2021 1:56	0:07:19	-51.78	87.67	499.13	-43.39	125.90	492.42	-140.97	3.03
2131	1/26/2021 1:57	1/26/2021 1:57	0:00:00	-42.02	128.64	491.59	-42.02	128.64	491.59	-143.88	0.12
2132	1/26/2021 2:02	1/26/2021 2:03	0:00:41	-27.59	148.03	483.90	-25.75	149.84	483.05	-141.99	2.01
2133	1/26/2021 2:04	1/26/2021 2:04	0:00:39	-23.88	151.59	482.23	-21.98	153.29	481.43	-141.72	2.28
2134	1/26/2021 2:05	1/26/2021 2:05	0:00:00	-20.07	154.93	480.67	-20.07	154.93	480.67	-143.83	0.17
2135	1/26/2021 2:06	1/26/2021 2:07	0:00:39	-16.18	158.10	479.25	-14.22	159.63	478.60	-140.20	3.80
2136	1/26/2021 2:08	1/26/2021 2:09	0:00:31	-10.25	162.61	477.45	-8.76	163.70	477.07	-141.55	2.45
2137	1/26/2021 2:10	1/26/2021 2:10	0:00:00	-5.75	165.87	476.40	-5.75	165.87	476.40	-143.05	0.95
2138	1/26/2021 2:11	1/26/2021 2:11	0:00:11	-2.73	168.00	475.86	-2.23	168.36	475.78	-143.78	0.22
2139	1/26/2021 2:13	1/26/2021 2:49	0:36:00	2.80	171.90	475.20	29.45	-45.83	489.37	-139.84	4.16
2140	1/26/2021 2:50	1/26/2021 2:53	0:02:30	25.80	-42.15	489.19	18.69	-35.86	489.00	-140.69	3.31
2141	1/26/2021 2:53	1/26/2021 2:54	0:01:10	16.26	-33.90	489.00	12.82	-31.25	489.05	-141.73	2.27
2142	1/26/2021 2:55	1/26/2021 2:59	0:03:41	10.35	-29.41	489.14	-0.65	-21.56	490.07	-141.70	2.30
2143	1/26/2021 3:01	1/26/2021 3:02	0:00:20	-7.66	-16.59	491.13	-8.65	-15.87	491.30	-142.72	1.28
2144	1/26/2021 3:02	1/26/2021 3:11	0:08:21	-10.14	-14.78	491.58	-33.61	6.55	497.26	-141.37	2.63
2145	1/26/2021 3:11	1/26/2021 3:22	0:10:40	-34.88	8.15	497.58	-51.71	57.76	499.65	-140.21	3.79
2146	1/26/2021 3:23	1/26/2021 3:30	0:07:20	-51.78	63.65	499.19	-43.43	101.90	492.45	-141.44	2.56
2147	1/26/2021 3:31	1/26/2021 3:31	0:00:00	-42.06	104.65	491.61	-42.06	104.65	491.61	-143.98	0.02
2148	1/26/2021 3:36	1/26/2021 3:36	0:00:00	-28.55	123.13	484.31	-28.55	123.13	484.31	-143.86	0.14
2149	1/26/2021 3:37	1/26/2021 3:37	0:00:30	-27.18	124.52	483.66	-25.80	125.87	483.03	-142.28	1.72
2150	1/26/2021 3:38	1/26/2021 3:39	0:00:41	-23.93	127.62	482.20	-22.03	129.32	481.40	-142.55	1.45
2151	1/26/2021 3:39	1/26/2021 3:39	0:00:00	-19.64	131.37	480.45	-19.64	131.37	480.45	-143.96	0.04
2152	1/26/2021 3:41	1/26/2021 3:41	0:00:50	-16.23	134.14	479.21	-13.78	136.05	478.41	-140.75	3.25
2153	1/26/2021 3:43	1/26/2021 3:43	0:00:30	-9.81	139.02	477.27	-8.31	140.11	476.90	-140.66	3.34
2154	1/26/2021 3:44	1/26/2021 3:44	0:00:09	-5.80	141.91	476.35	-5.30	142.26	476.24	-142.00	2.00
2155	1/26/2021 3:45	1/26/2021 3:45	0:00:10	-2.28	144.40	475.72	-1.78	144.75	475.64	-143.58	0.42
2156	1/26/2021 3:47	1/26/2021 4:23	0:36:00	3.26	148.30	475.09	29.04	-69.32	489.36	-139.89	4.11
2157	1/26/2021 4:24	1/26/2021 4:27	0:02:19	25.38	-65.67	489.20	18.73	-59.82	489.04	-141.97	2.03
2158	1/26/2021 4:27	1/26/2021 4:29	0:01:20	16.31	-57.87	489.04	12.38	-54.84	489.12	-141.85	2.15
2159	1/26/2021 4:30	1/26/2021 4:31	0:01:40	10.40	-53.36	489.20	5.41	-49.76	489.52	-141.83	2.17
2160	1/26/2021 4:32	1/26/2021 4:33	0:01:40	3.91	-48.70	489.65	-1.10	-45.17	490.22	-141.71	2.29

Table 12 Departure GN 3 Mbps (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)
2161	1/26/2021 4:35	1/26/2021 4:36	0:00:30	-7.61	-40.55	491.23	-9.10	-39.47	491.50	-142.66	1.34
2162	1/26/2021 4:36	1/26/2021 4:45	0:08:20	-10.59	-38.38	491.79	-34.00	-16.90	497.52	-141.43	2.57
2163	1/26/2021 4:45	1/26/2021 4:56	0:10:40	-35.25	-15.29	497.85	-51.75	34.71	499.75	-140.10	3.90
2164	1/26/2021 4:57	1/26/2021 5:01	0:04:40	-51.79	39.62	499.36	-48.08	65.58	495.65	-141.42	2.58
2165	1/26/2021 5:02	1/26/2021 5:04	0:02:10	-47.33	68.05	495.11	-43.46	77.90	492.58	-141.98	2.02
2166	1/26/2021 5:10	1/26/2021 5:11	0:00:20	-29.05	98.69	484.58	-28.14	99.63	484.14	-143.57	0.43
2167	1/26/2021 5:11	1/26/2021 5:11	0:00:20	-26.77	101.00	483.49	-25.85	101.90	483.06	-142.56	1.44
2168	1/26/2021 5:12	1/26/2021 5:13	0:00:40	-23.51	104.08	482.02	-21.61	105.77	481.22	-142.96	1.04
2169	1/26/2021 5:14	1/26/2021 5:14	0:00:00	-19.69	107.40	480.45	-19.69	107.40	480.45	-143.10	0.90
2170	1/26/2021 5:15	1/26/2021 5:16	0:00:59	-15.80	110.56	479.03	-12.84	112.83	478.07	-142.00	2.00
2171	1/26/2021 5:17	1/26/2021 5:17	0:00:39	-9.86	115.05	477.23	-7.86	116.51	476.73	-140.45	3.55
2172	1/26/2021 5:18	1/26/2021 5:18	0:00:19	-5.86	117.94	476.28	-4.85	118.66	476.08	-141.67	2.33
2173	1/26/2021 5:19	1/26/2021 5:20	0:00:20	-2.34	120.44	475.64	-1.33	121.15	475.49	-143.48	0.52
2174	1/26/2021 5:21	1/26/2021 5:57	0:36:10	3.71	124.69	474.95	28.18	-92.35	489.25	-139.42	4.58
2175	1/26/2021 5:59	1/26/2021 6:00	0:01:00	25.42	-89.64	489.14	22.61	-87.05	489.06	-142.05	1.95
2176	1/26/2021 6:00	1/26/2021 6:01	0:00:41	21.18	-85.81	489.03	19.26	-84.18	489.01	-142.01	1.99
2177	1/26/2021 6:02	1/26/2021 6:03	0:01:20	15.86	-81.44	489.02	11.93	-78.43	489.12	-141.93	2.07
2178	1/26/2021 6:04	1/26/2021 6:05	0:01:40	9.95	-76.96	489.21	4.96	-73.36	489.56	-141.80	2.20
2179	1/26/2021 6:06	1/26/2021 6:08	0:01:51	3.46	-72.30	489.70	-2.06	-68.42	490.36	-141.73	2.27
2180	1/26/2021 6:08	1/26/2021 6:08	0:00:09	-3.56	-67.36	490.58	-4.06	-67.01	490.66	-143.85	0.15
2181	1/26/2021 6:10	1/26/2021 6:30	0:20:29	-7.56	-64.51	491.24	-51.74	10.69	499.80	-140.40	3.60
2182	1/26/2021 6:31	1/26/2021 6:38	0:07:09	-51.77	16.58	499.31	-43.49	53.91	492.62	-141.42	2.58
2183	1/26/2021 6:45	1/26/2021 6:45	0:00:09	-28.64	75.19	484.39	-28.19	75.66	484.17	-143.04	0.96
2184	1/26/2021 6:45	1/26/2021 6:45	0:00:19	-26.82	77.04	483.52	-25.89	77.94	483.09	-142.51	1.49
2185	1/26/2021 6:47	1/26/2021 6:47	0:00:30	-23.08	80.54	481.84	-21.65	81.80	481.23	-143.84	0.16
2186	1/26/2021 6:48	1/26/2021 6:48	0:00:00	-19.74	83.44	480.46	-19.74	83.44	480.46	-143.95	0.05
2187	1/26/2021 6:49	1/26/2021 6:49	0:00:19	-15.85	86.60	479.03	-14.86	87.36	478.69	-142.54	1.46
2188	1/26/2021 6:50	1/26/2021 6:50	0:00:20	-12.89	88.87	478.06	-11.90	89.62	477.77	-142.38	1.62
2189	1/26/2021 6:51	1/26/2021 6:52	0:00:39	-9.41	91.46	477.08	-7.41	92.91	476.59	-139.80	4.20
2190	1/26/2021 6:53	1/26/2021 6:53	0:00:20	-5.40	94.34	476.16	-4.40	95.06	475.96	-140.84	3.16
2191	1/26/2021 6:54	1/26/2021 6:54	0:00:19	-1.88	96.83	475.53	-0.88	97.54	475.38	-143.50	0.50
2192	1/26/2021 6:56	1/26/2021 7:32	0:36:20	3.66	100.73	474.91	27.77	-115.86	489.25	-139.93	4.07
2193	1/26/2021 7:33	1/26/2021 7:34	0:01:01	25.47	-113.60	489.16	22.65	-111.02	489.08	-142.04	1.96
2194	1/26/2021 7:34	1/26/2021 7:35	0:00:31	20.75	-109.36	489.05	19.31	-108.15	489.04	-141.91	2.09
2195	1/26/2021 7:36	1/26/2021 7:37	0:01:20	15.91	-105.40	489.05	11.98	-102.39	489.16	-142.04	1.96
2196	1/26/2021 7:38	1/26/2021 7:40	0:01:41	10.00	-100.92	489.25	5.01	-97.32	489.61	-141.77	2.23
2197	1/26/2021 7:40	1/26/2021 7:42	0:01:50	3.51	-96.26	489.76	-2.01	-92.38	490.42	-141.69	2.31
2198	1/26/2021 7:43	1/26/2021 7:43	0:00:10	-4.01	-90.96	490.72	-4.51	-90.61	490.80	-143.72	0.28
2199	1/26/2021 7:44	1/26/2021 7:44	0:00:30	-8.01	-88.11	491.40	-9.50	-87.02	491.68	-142.29	1.71
2200	1/26/2021 7:45	1/26/2021 8:05	0:19:49	-10.99	-85.93	491.98	-51.76	-12.59	500.19	-140.43	3.57
2201	1/26/2021 8:06	1/26/2021 8:10	0:04:29	-51.75	-6.70	499.68	-47.92	18.18	495.95	-141.45	2.55
2202	1/26/2021 8:11	1/26/2021 8:13	0:02:00	-47.16	20.64	495.41	-43.58	29.71	493.03	-142.08	1.92
2203	1/26/2021 8:19	1/26/2021 8:20	0:01:00	-28.76	51.05	484.73	-26.01	53.81	483.42	-142.09	1.91
2204	1/26/2021 8:21	1/26/2021 8:21	0:00:00	-23.20	56.42	482.15	-23.20	56.42	482.15	-143.62	0.38
2205	1/26/2021 8:22	1/26/2021 8:22	0:00:00	-19.38	59.73	480.57	-19.38	59.73	480.57	-142.22	1.78
2206	1/26/2021 8:25	1/26/2021 8:25	0:00:11	-12.03	65.51	478.03	-11.53	65.88	477.88	-142.14	1.86
2207	1/26/2021 8:26	1/26/2021 8:26	0:00:30	-9.04	67.71	477.20	-7.54	68.80	476.83	-139.14	4.86
2208	1/26/2021 8:27	1/26/2021 8:28	0:00:31	-5.54	70.24	476.38	-4.03	71.31	476.09	-140.94	3.06
2209	1/26/2021 8:28	1/26/2021 8:29	0:00:21	-2.02	72.73	475.74	-1.01	73.44	475.59	-143.58	0.42
2210	1/26/2021 8:30	1/26/2021 9:06	0:36:10	4.53	77.34	475.03	27.44	-139.54	489.70	-139.60	4.40
2211	1/26/2021 9:07	1/26/2021 9:08	0:00:11	25.13	-137.30	489.62	24.66	-136.86	489.61	-143.86	0.14
2212	1/26/2021 9:08	1/26/2021 9:08	0:00:21	23.26	-135.57	489.57	22.31	-134.73	489.55	-142.13	1.87
2213	1/26/2021 9:09	1/26/2021 9:10	0:00:40	20.88	-133.49	489.53	18.96	-131.87	489.52	-141.88	2.12
2214	1/26/2021 9:10	1/26/2021 9:12	0:01:40	16.54	-129.91	489.53	11.62	-126.13	489.66	-142.06	1.94
2215	1/26/2021 9:13	1/26/2021 9:14	0:01:31	9.64	-124.67	489.76	5.15	-121.44	490.09	-141.75	2.25
2216	1/26/2021 9:15	1/26/2021 9:17	0:01:50	3.15	-120.02	490.28	-2.37	-116.14	490.96	-141.73	2.27
2217	1/26/2021 9:17	1/26/2021 9:17	0:00:09	-4.37	-114.72	491.27	-4.87	-114.37	491.35	-143.59	0.41
2218	1/26/2021 9:19	1/26/2021 9:19	0:00:30	-8.36	-111.87	491.95	-9.86	-110.78	492.24	-142.14	1.86
2219	1/26/2021 9:20	1/26/2021 9:39	0:19:20	-11.34	-109.68	492.53	-51.76	-36.66	500.17	-140.52	3.48
2220	1/26/2021 9:40	1/26/2021 9:45	0:04:59	-51.79	-32.73	499.84	-47.71	-5.04	495.75	-141.41	2.59

Table 12 Departure GN 3 Mbps (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)
2221	1/26/2021 9:45	1/26/2021 9:47	0:01:49	-46.66	-1.81	495.01	-43.29	6.39	492.79	-142.01	1.99
2222	1/26/2021 9:53	1/26/2021 9:55	0:01:20	-28.37	27.53	484.48	-24.68	31.14	482.75	-141.30	2.70
2223	1/26/2021 9:55	1/26/2021 9:55	0:00:00	-22.80	32.86	481.91	-22.80	32.86	481.91	-143.58	0.42
2224	1/26/2021 9:57	1/26/2021 9:57	0:00:00	-18.97	36.14	480.35	-18.97	36.14	480.35	-143.55	0.45
2225	1/26/2021 9:59	1/26/2021 9:59	0:00:19	-11.60	41.90	477.85	-10.61	42.64	477.56	-141.25	2.75
2226	1/26/2021 10:00	1/26/2021 10:01	0:00:30	-9.11	43.74	477.16	-7.61	44.82	476.79	-138.97	5.03
2227	1/26/2021 10:01	1/26/2021 10:02	0:00:30	-5.11	46.62	476.24	-3.60	47.69	475.96	-141.01	2.99
2228	1/26/2021 10:02	1/26/2021 10:03	0:00:20	-1.59	49.11	475.63	-0.58	49.81	475.48	-143.75	0.25
2229	1/26/2021 10:05	1/26/2021 10:41	0:36:00	5.46	54.08	474.94	27.05	-163.07	489.73	-139.98	4.02
2230	1/26/2021 10:42	1/26/2021 10:43	0:00:20	23.33	-159.56	489.62	22.38	-158.72	489.60	-142.12	1.88
2231	1/26/2021 10:43	1/26/2021 10:44	0:00:30	20.47	-157.06	489.57	19.03	-155.86	489.56	-141.89	2.11
2232	1/26/2021 10:44	1/26/2021 10:46	0:01:51	16.61	-153.89	489.57	11.20	-149.74	489.72	-142.08	1.92
2233	1/26/2021 10:47	1/26/2021 10:49	0:01:31	9.21	-148.28	489.83	4.72	-145.06	490.16	-141.71	2.29
2234	1/26/2021 10:49	1/26/2021 10:51	0:01:51	2.72	-143.64	490.36	-2.80	-139.76	491.06	-141.79	2.21
2235	1/26/2021 10:52	1/26/2021 10:52	0:00:00	-4.80	-138.35	491.36	-4.80	-138.35	491.36	-143.45	0.55
2236	1/26/2021 10:53	1/26/2021 11:20	0:27:39	-8.29	-135.84	491.96	-45.00	-21.36	487.76	-141.26	2.74
2237	1/26/2021 11:21	1/26/2021 11:21	0:00:20	-44.05	-19.17	486.29	-43.40	-17.75	485.26	-143.29	0.71
2238	1/26/2021 11:22	1/26/2021 11:22	0:00:00	-42.03	-15.02	483.11	-42.03	-15.02	483.11	-143.97	0.03
2239	1/26/2021 11:28	1/26/2021 11:29	0:01:29	-28.51	3.45	461.34	-24.34	7.52	454.51	-139.39	4.61
2240	1/26/2021 11:29	1/26/2021 11:30	0:00:50	-22.92	8.81	452.19	-20.53	10.90	448.28	-142.92	1.08
2241	1/26/2021 11:31	1/26/2021 11:31	0:00:00	-19.07	12.12	445.92	-19.07	12.12	445.92	-142.10	1.90
2242	1/26/2021 11:32	1/26/2021 11:32	0:00:00	-16.63	14.11	441.96	-16.63	14.11	441.96	-143.03	0.97
2243	1/26/2021 11:33	1/26/2021 11:35	0:01:31	-11.66	17.93	434.05	-7.13	21.25	427.02	-136.61	7.39
2244	1/26/2021 11:35	1/26/2021 11:37	0:01:50	-5.61	22.34	424.71	-0.01	26.30	416.45	-140.05	3.95
2245	1/26/2021 11:38	1/26/2021 12:58	1:20:10	2.54	28.10	412.84	-31.83	-23.52	361.41	-138.09	5.91
2246	1/26/2021 12:59	1/26/2021 13:03	0:03:59	-30.01	-21.49	360.73	-18.47	-10.71	357.07	-138.35	5.65
2247	1/26/2021 13:04	1/26/2021 13:04	0:00:09	-16.47	-9.09	356.57	-15.96	-8.69	356.45	-141.28	2.72
2248	1/26/2021 13:05	1/26/2021 13:09	0:03:59	-11.40	-5.19	355.52	0.97	3.68	354.28	-135.03	8.97
2249	1/26/2021 13:10	1/26/2021 14:30	1:20:10	2.52	4.77	354.27	-31.75	-46.73	361.32	-137.49	6.51
2250	1/26/2021 14:30	1/26/2021 14:33	0:02:21	-30.39	-45.19	360.81	-23.79	-38.60	358.54	-138.81	5.19
2251	1/26/2021 14:33	1/26/2021 14:34	0:01:19	-22.33	-37.29	358.09	-18.38	-33.93	356.98	-139.44	4.56
2252	1/26/2021 14:35	1/26/2021 14:35	0:00:30	-16.88	-32.71	356.61	-15.37	-31.52	356.25	-140.77	3.23
2253	1/26/2021 14:36	1/26/2021 14:36	0:00:00	-12.84	-29.57	355.72	-12.84	-29.57	355.72	-143.34	0.66
2254	1/26/2021 14:37	1/26/2021 14:38	0:01:29	-11.31	-28.42	355.44	-6.69	-25.05	354.76	-135.50	8.50
2255	1/26/2021 14:39	1/26/2021 14:41	0:02:00	-5.14	-23.94	354.59	1.06	-19.55	354.22	-138.61	5.39
2256	1/26/2021 14:42	1/26/2021 18:11	3:29:40	3.13	-18.09	354.22	41.54	61.90	363.83	-131.55	12.45

Max. Exceedance: 12.45 dB

Table 13 Departure CLS LowRate (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	1/4/2021 12:00	1/6/2021 15:10	3:10:00	24.69	-53.15	419.25	10.69	-100.63	418.50	-142.72	1.28
2	1/6/2021 15:46	1/6/2021 15:46	0:00:09	-39.31	38.61	435.90	-38.92	39.22	435.77	-143.92	0.08
3	1/6/2021 15:47	1/6/2021 15:47	0:00:41	-36.92	42.21	435.08	-35.26	44.48	434.50	-142.99	1.01
4	1/6/2021 15:48	1/6/2021 15:50	0:01:40	-33.12	47.19	433.75	-28.66	52.19	432.22	-143.10	0.90
5	1/6/2021 15:51	1/6/2021 15:51	0:00:39	-25.88	54.96	431.29	-23.99	56.74	430.68	-143.20	0.80
6	1/6/2021 16:32	1/6/2021 16:33	0:00:39	38.82	-152.43	422.85	37.22	-150.02	422.42	-143.84	0.16
7	1/6/2021 16:33	1/6/2021 16:36	0:02:21	35.98	-148.29	422.10	29.87	-140.91	420.69	-142.48	1.52
8	1/6/2021 16:36	1/6/2021 16:38	0:01:10	28.04	-138.98	420.33	24.77	-135.78	419.76	-142.12	1.88
9	1/6/2021 16:38	1/6/2021 16:38	0:00:20	23.34	-134.47	419.54	22.37	-133.61	419.41	-143.76	0.24
10	1/6/2021 17:19	1/6/2021 17:19	0:00:00	-38.77	15.83	435.62	-38.77	15.83	435.62	-143.90	0.10
11	1/6/2021 17:20	1/6/2021 17:20	0:00:41	-36.77	18.81	434.93	-35.11	21.07	434.35	-142.99	1.01
12	1/6/2021 17:21	1/6/2021 17:23	0:01:40	-32.96	23.76	433.60	-28.49	28.74	432.07	-143.07	0.93
13	1/6/2021 17:24	1/6/2021 17:25	0:00:40	-25.70	31.51	431.15	-23.81	33.28	430.54	-143.20	0.80
14	1/6/2021 17:48	1/6/2021 18:03	0:14:50	43.04	94.93	426.94	44.11	174.14	425.01	-142.90	1.10
15	1/6/2021 18:05	1/6/2021 18:06	0:00:21	38.26	-175.17	424.65	37.45	-173.97	424.66	-143.88	0.12
16	1/6/2021 18:06	1/6/2021 18:09	0:02:11	35.80	-171.65	424.71	30.12	-164.79	425.31	-142.54	1.46
17	1/6/2021 18:10	1/6/2021 18:11	0:01:09	27.83	-162.38	425.72	24.55	-159.20	426.47	-142.23	1.77
18	1/6/2021 18:11	1/6/2021 18:11	0:00:00	22.64	-157.46	426.99	22.64	-157.46	426.99	-143.90	0.10
19	1/6/2021 18:36	1/6/2021 18:36	0:00:20	-45.81	-90.51	482.13	-46.39	-88.96	482.80	-143.99	0.01
20	1/6/2021 18:52	1/6/2021 18:52	0:00:00	-39.40	-8.87	488.56	-39.40	-8.87	488.56	-143.88	0.12
21	1/6/2021 18:53	1/6/2021 18:53	0:00:00	-35.83	-3.59	487.32	-35.83	-3.59	487.32	-143.98	0.02
22	1/6/2021 19:41	1/6/2021 19:42	0:00:29	33.52	167.42	490.72	32.23	168.96	490.39	-143.79	0.21
23	1/6/2021 19:44	1/6/2021 19:44	0:00:21	26.40	175.17	488.97	25.47	176.06	488.76	-143.42	0.58
24	1/6/2021 20:28	1/6/2021 20:28	0:00:00	-35.48	-27.05	487.17	-35.48	-27.05	487.17	-143.99	0.01
25	1/6/2021 21:16	1/6/2021 21:16	0:00:30	33.59	143.41	490.72	32.30	144.96	490.39	-143.81	0.19
26	1/6/2021 21:18	1/6/2021 21:19	0:00:20	26.01	151.62	488.86	25.08	152.51	488.65	-143.39	0.61
27	1/6/2021 22:02	1/6/2021 22:02	0:00:00	-35.54	-51.05	487.14	-35.54	-51.05	487.14	-143.99	0.01
28	1/6/2021 22:50	1/6/2021 22:50	0:00:29	33.22	119.94	490.63	31.93	121.47	490.30	-143.82	0.18
29	1/6/2021 22:52	1/6/2021 22:53	0:00:30	26.08	127.63	488.89	24.68	128.96	488.58	-143.50	0.50

Max. Exceedance: 1.88 dB