As part of its application for a blanket license to operate a Ku-band VSAT network, Elite Communication Services, Inc. ("Elite") seeks to operate 250 stabilized earth station onboard vessel ("ESV") terminals. In the following section and associated appendices, Elite certifies that the proposed ESV terminals, Intellian model v80G antennas, comply with the relevant requirements of Section 25.222 of the Commission's Rules, 47 C.F.R. § 25.222.

Certification of Compliance with 47 C.F.R. § 25.222

(a)(1): Comply. See Appendix 1 (Declaration of Conformity).

(a)(2): Not applicable.

(a)(3): Not applicable.

(a)(4): Comply. Randy Olman is the U.S. point of contact that has the authority and ability to cease all emissions from the hub facility located in Opelousas, Louisiana (phone number: 337-331-5644). In addition, the Network Operations Center ("NOC"), located at 102 Deer Tree Drive, Lafayette LA 70507, is available 24 hours a day, seven days a week at phone number 337-761-9708 or email noc@elitecoms.com.

(a)(5): Comply. These records will be collected and maintained as specified and made available within 24 hours of a request.

(a)(6): Comply.

(a)(7): Comply. The ESVs will be controlled from the Network Operations Center ("NOC") at 102 Deer Tree Drive in Louisiana. In addition, the NOC is available 24 hours a day, seven days a week at phone number 337-761-9708 or email noc@elitecoms.com.

(a)(8): Not applicable.

(b)(1): Comply. See Appendix 2 (Intellian v80G Tables).

(b)(2): Not Applicable.

(b)(3): Not Applicable.

(b)(4): Comply. See Appendix 3 (Operations Area).

(b)(5): Comply. Randy Olman is the U.S. point of contact that has the authority and ability to cease all emissions from the hub facility located in Opelousas, Louisiana (phone number: 337-331-5644). In addition, the Network Operations Center ("NOC"), located at 102 Deer Tree Drive, Lafayette LA 70507, is available 24 hours a day, seven days a week at phone number 337-761-9708 or email noc@elitecoms.com.

(b)(6): Comply. See Radiation Hazard Report Exhibit.

(c): Comply. See Appendix 4 (Compliance with Section 25.222(c) and (d)).

(d): Comply. See Appendix 4 (Compliance with Section 25.222(c) and (d)).

Appendix 1

Intellian®

FCC Declaration of Conformity

Intellian Technologies, manufactures of stabilized maritime VSAT antenna systems for satellite communication at sea, supplies stabilized maritime VSAT antenna systems to the satellite communication service providers for their ESV (Earth Station on Vessels) networks.

FCC §25.222 defines the provisions for blanket licensing of ESV antennas operation in the Ku-band. It defines the antennas radiation, and each article regulates the followings;

§25.222 (a)(1)(i)(A):	Regulation for Azimuth Direction & Co Polarization
§25.222 (a)(2)(i)(B):	Regulation for Other Direction & Co Polarization
§25.222 (a)(1)(i)(C):	Regulation for Cross Polarization

Intellian Technologies, Inc. declares that v80G complies with the threshold level as defined in §25.222(a)(1)(i)(A):, and declares that v80G is in accordance with all defined regulations from §25.222(a)(1)(i)(B) to §25.222(a)(1)(i)(C) at the below stated input power spectral density, with an N value of 1.

Product description	Intellian v80G, 83cm Ku-band maritime VSAT antenna system
EIRP spectral density limit	-20.13 dBW/ 4KHz

Intellian Technologies, Inc. declares that the above antenna will maintain a pointing error of less than or equal to 0.2 degree under specified ship motion conditions in accordance with the requirements of §25.222 (a)(1)(ii).

Intellian Technologies, Inc. declares that the above antennas will automatically cease the transmission with a mute command to the modem within 100 milliseconds if the target satellite and the axis of the main lobe of the ESV antenna exceeds 0.5 degree and will not resume until such angle is less than or equal to 0.2 degree in accordance with the requirements of §25.222 (a)(1)(iii)

Radiation pattern data is available upon request to verify the conformance.

Authority: **Steve Cha**
Director, Research & Development

Signature: 

Date: August 24, 2011

Appendix 2

I. *25.222(b)(1)(i)(A) TABLE*

Exhibit 8

Intellian®

Intellian v-Series
Maritime Ku-band VSAT Antenna System
Test Report

2. EIRP Spectral Density Data

2.1. Azimuth Pattern for Co-pol (-10°~10°)

14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-10.0	-19.81	-7.00
-9.9	-19.72	-6.89
-9.8	-19.56	-6.78
-9.7	-19.44	-6.67
-9.6	-19.39	-6.56
-9.5	-19.40	-6.44
-9.4	-19.48	-6.33
-9.3	-19.65	-6.21
-9.2	-19.69	-6.00
-9.1	-19.53	-6.00
-9.0	-19.21	-6.00
-8.9	-18.68	-6.00
-8.8	-17.92	-6.00
-8.7	-17.14	-6.00
-8.6	-16.45	-6.00
-8.5	-15.79	-6.00
-8.4	-15.30	-6.00
-8.3	-14.98	-6.00
-8.2	-14.77	-6.00
-8.1	-14.61	-6.00
-8.0	-14.49	-6.00
-7.9	-14.31	-6.00
-7.8	-14.02	-6.00
-7.7	-13.63	-6.00
-7.6	-13.21	-6.00
-7.5	-12.79	-6.00
-7.4	-12.39	-6.00
-7.3	-12.07	-6.00
-7.2	-11.81	-6.00
-7.1	-11.60	-6.00
-7.0	-11.41	-6.00
-6.9	-11.26	-5.97
-6.8	-11.14	-5.81
-6.7	-11.07	-5.65
-6.6	-11.06	-5.49
-6.5	-11.15	-5.32
-6.4	-11.35	-5.15
-6.3	-11.63	-4.98
-6.2	-12.02	-4.81
-6.1	-12.49	-4.63
-6.0	-12.93	-4.45
-5.9	-13.37	-4.27
-5.8	-13.75	-4.09
-5.7	-13.98	-3.90
-5.6	-14.08	-3.70
-5.5	-14.09	-3.51
-5.4	-13.98	-3.31
-5.3	-13.76	-3.11
-5.2	-13.47	-2.90
-5.1	-13.05	-2.69

14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-5.0	-12.46	-2.47
-4.9	-11.71	-2.25
-4.8	-10.81	-2.03
-4.7	-9.89	-1.80
-4.6	-8.94	-1.57
-4.5	-8.07	-1.33
-4.4	-7.33	-1.09
-4.3	-6.70	-0.84
-4.2	-6.20	-0.58
-4.1	-5.86	-0.32
-4.0	-5.64	-0.05
-3.9	-5.54	0.22
-3.8	-5.56	0.51
-3.7	-5.67	0.79
-3.6	-5.86	1.09
-3.5	-6.13	1.40
-3.4	-6.46	1.71
-3.3	-6.86	2.04
-3.2	-7.34	2.37
-3.1	-8.00	2.72
-3.0	-8.90	3.07
-2.9	-10.12	3.44
-2.8	-11.70	3.82
-2.7	-13.27	4.22
-2.6	-13.09	4.63
-2.5	-10.49	5.05
-2.4	-7.17	5.49
-2.3	-4.05	5.96
-2.2	-1.36	6.44
-2.1	1.03	6.94
-2.0	3.19	7.47
-1.9	4.87	8.03
-1.8	6.13	8.62
-1.7	7.87	9.24
-1.6	9.45	9.90
-1.5	10.59	10.60
-1.4	11.98	
-1.3	13.23	
-1.2	14.35	
-1.1	15.18	
-1.0	15.92	
-0.9	16.59	
-0.8	17.18	
-0.7	17.71	
-0.6	18.18	
-0.5	18.57	
-0.4	18.90	
-0.3	19.16	
-0.2	19.34	
-0.1	19.44	

Exhibit 8

14.25GHz @ -20.13 dBW/4kHz			14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)	Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
0.0	19.47		5.0	-11.28	-2.47
0.1	19.41		5.1	-11.56	-2.69
0.2	19.27		5.2	-11.66	-2.90
0.3	19.07		5.3	-11.65	-3.11
0.4	18.79		5.4	-11.62	-3.31
0.5	18.44		5.5	-11.54	-3.51
0.6	18.04		5.6	-11.40	-3.70
0.7	17.58		5.7	-11.25	-3.90
0.8	17.05		5.8	-11.03	-4.09
0.9	16.46		5.9	-10.75	-4.27
1.0	15.79		6.0	-10.44	-4.45
1.1	15.05		6.1	-10.15	-4.63
1.2	13.92		6.2	-9.85	-4.81
1.3	12.94		6.3	-9.62	-4.98
1.4	11.89		6.4	-9.45	-5.15
1.5	10.43	10.60	6.5	-9.35	-5.32
1.6	9.05	9.90	6.6	-9.31	-5.49
1.7	7.65	9.24	6.7	-9.32	-5.65
1.8	6.14	8.62	6.8	-9.39	-5.81
1.9	4.12	8.03	6.9	-9.49	-5.97
2.0	3.06	7.47	7.0	-9.64	-6.00
2.1	0.93	6.94	7.1	-9.87	-6.00
2.2	-1.46	6.44	7.2	-10.17	-6.00
2.3	-4.18	5.96	7.3	-10.56	-6.00
2.4	-7.38	5.49	7.4	-11.06	-6.00
2.5	-10.91	5.05	7.5	-11.68	-6.00
2.6	-13.56	4.63	7.6	-12.36	-6.00
2.7	-13.20	4.22	7.7	-13.07	-6.00
2.8	-11.21	3.82	7.8	-13.80	-6.00
2.9	-9.46	3.44	7.9	-14.44	-6.00
3.0	-8.16	3.07	8.0	-14.96	-6.00
3.1	-7.20	2.72	8.1	-15.40	-6.00
3.2	-6.47	2.37	8.2	-15.77	-6.00
3.3	-5.92	2.04	8.3	-16.13	-6.00
3.4	-5.49	1.71	8.4	-16.51	-6.00
3.5	-5.14	1.40	8.5	-16.95	-6.00
3.6	-4.90	1.09	8.6	-17.47	-6.00
3.7	-4.75	0.79	8.7	-17.98	-6.00
3.8	-4.70	0.51	8.8	-18.53	-6.00
3.9	-4.75	0.22	8.9	-19.05	-6.00
4.0	-4.92	-0.05	9.0	-19.44	-6.00
4.1	-5.22	-0.32	9.1	-19.69	-6.00
4.2	-5.63	-0.58	9.2	-19.81	-6.00
4.3	-6.17	-0.84	9.3	-19.75	-6.21
4.4	-6.84	-1.09	9.4	-19.57	-6.33
4.5	-7.59	-1.33	9.5	-19.42	-6.44
4.6	-8.44	-1.57	9.6	-19.29	-6.56
4.7	-9.32	-1.80	9.7	-19.21	-6.67
4.8	-10.13	-2.03	9.8	-19.22	-6.78
4.9	-10.80	-2.25	9.9	-19.29	-6.89
			10.0	-19.37	-7.00

Exhibit B

2.2. Azimuth Pattern for Co-pol (-180°~180°)

14.25GHz @ -20.13 dBW/4kHz			14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)	Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-180.0	-53.44	-14.00	-135.0	-54.29	-14.00
-179.0	-50.55	-14.00	-134.0	-52.77	-14.00
-178.0	-48.34	-14.00	-133.0	-50.87	-14.00
-177.0	-46.55	-14.00	-132.0	-52.70	-14.00
-176.0	-44.63	-14.00	-131.0	-49.45	-14.00
-175.0	-42.52	-14.00	-130.0	-44.76	-14.00
-174.0	-42.62	-14.00	-129.0	-51.22	-14.00
-173.0	-42.73	-14.00	-128.0	-51.37	-14.00
-172.0	-48.94	-14.00	-127.0	-50.44	-14.00
-171.0	-48.00	-14.00	-126.0	-53.73	-14.00
-170.0	-48.78	-14.00	-125.0	-58.80	-14.00
-169.0	-49.93	-14.00	-124.0	-55.06	-14.00
-168.0	-51.44	-14.00	-123.0	-52.74	-14.00
-167.0	-46.88	-14.00	-122.0	-60.30	-14.00
-166.0	-68.21	-14.00	-121.0	-50.44	-14.00
-165.0	-48.49	-14.00	-120.0	-57.30	-14.00
-164.0	-72.77	-14.00	-119.0	-57.53	-14.00
-163.0	-65.48	-14.00	-118.0	-51.97	-14.00
-162.0	-53.83	-14.00	-117.0	-52.31	-14.00
-161.0	-54.40	-14.00	-116.0	-47.34	-14.00
-160.0	-49.91	-14.00	-115.0	-52.70	-14.00
-159.0	-49.82	-14.00	-114.0	-50.21	-14.00
-158.0	-56.07	-14.00	-113.0	-50.99	-14.00
-157.0	-48.74	-14.00	-112.0	-48.16	-14.00
-156.0	-58.47	-14.00	-111.0	-48.41	-14.00
-155.0	-53.88	-14.00	-110.0	-49.23	-14.00
-154.0	-46.49	-14.00	-109.0	-53.50	-14.00
-153.0	-43.61	-14.00	-108.0	-49.71	-14.00
-152.0	-55.30	-14.00	-107.0	-48.53	-14.00
-151.0	-64.42	-14.00	-106.0	-61.78	-14.00
-150.0	-47.96	-14.00	-105.0	-43.94	-14.00
-149.0	-53.68	-14.00	-104.0	-47.30	-14.00
-148.0	-47.85	-14.00	-103.0	-44.83	-14.00
-147.0	-50.28	-14.00	-102.0	-40.69	-14.00
-146.0	-44.58	-14.00	-101.0	-39.78	-14.00
-145.0	-51.21	-14.00	-100.0	-36.66	-14.00
-144.0	-50.48	-14.00	-99.0	-36.41	-14.00
-143.0	-61.52	-14.00	-98.0	-35.37	-14.00
-142.0	-47.29	-14.00	-97.0	-35.75	-14.00
-141.0	-50.19	-14.00	-96.0	-38.63	-14.00
-140.0	-57.40	-14.00	-95.0	-42.68	-14.00
-139.0	-60.32	-14.00	-94.0	-48.11	-14.00
-138.0	-59.52	-14.00	-93.0	-48.56	-14.00
-137.0	-49.87	-14.00	-92.0	-40.06	-14.00
-136.0	-71.58	-14.00	-91.0	-35.41	-14.00

Exhibit 8

14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-90.0	-33.12	-14.00
-89.0	-35.12	-14.00
-88.0	-37.51	-14.00
-87.0	-31.69	-14.00
-86.0	-33.03	-14.00
-85.0	-30.37	-24.00
-84.0	-30.30	-24.00
-83.0	-34.04	-24.00
-82.0	-35.57	-24.00
-81.0	-38.06	-24.00
-80.0	-35.76	-24.00
-79.0	-34.22	-24.00
-78.0	-39.20	-24.00
-77.0	-40.09	-24.00
-76.0	-36.04	-24.00
-75.0	-40.49	-24.00
-74.0	-38.79	-24.00
-73.0	-38.72	-24.00
-72.0	-39.92	-24.00
-71.0	-41.06	-24.00
-70.0	-40.09	-24.00
-69.0	-31.45	-24.00
-68.0	-36.25	-24.00
-67.0	-35.03	-24.00
-66.0	-32.09	-24.00
-65.0	-28.73	-24.00
-64.0	-31.37	-24.00
-63.0	-43.80	-24.00
-62.0	-32.66	-24.00
-61.0	-34.19	-24.00
-60.0	-35.66	-24.00
-59.0	-37.56	-24.00
-58.0	-31.07	-24.00
-57.0	-41.55	-24.00
-56.0	-31.74	-24.00
-55.0	-38.70	-24.00
-54.0	-36.66	-24.00
-53.0	-29.68	-24.00
-52.0	-37.44	-24.00
-51.0	-37.18	-24.00
-50.0	-33.12	-24.00
-49.0	-34.62	-24.00
-48.0	-30.69	-24.03
-47.0	-44.07	-23.80
-46.0	-34.48	-23.57

14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-45.0	-52.23	-23.33
-44.0	-31.85	-23.09
-43.0	-31.37	-22.84
-42.0	-31.88	-22.58
-41.0	-38.37	-22.32
-40.0	-34.68	-22.05
-39.0	-36.69	-21.78
-38.0	-38.93	-21.49
-37.0	-35.29	-21.21
-36.0	-43.90	-20.91
-35.0	-34.06	-20.60
-34.0	-31.27	-20.29
-33.0	-41.02	-19.96
-32.0	-35.91	-19.63
-31.0	-42.49	-19.28
-30.0	-37.57	-18.93
-29.0	-41.40	-18.56
-28.0	-42.25	-18.18
-27.0	-41.98	-17.78
-26.0	-41.58	-17.37
-25.0	-37.93	-16.95
-24.0	-41.38	-16.51
-23.0	-30.00	-16.04
-22.0	-39.70	-15.56
-21.0	-32.06	-15.06
-20.0	-32.11	-14.53
-19.0	-27.39	-13.97
-18.0	-29.78	-13.38
-17.0	-43.68	-12.76
-16.0	-26.46	-12.10
-15.0	-30.42	-11.40
-14.0	-36.83	-10.65
-13.0	-29.67	-9.85
-12.0	-26.59	-8.98
-11.0	-18.14	-8.03
-10.0	-19.81	-7.00
-9.0	-19.21	-6.00
-8.0	-14.49	-6.00
-7.0	-11.41	-6.13
-6.0	-12.93	-4.45
-5.0	-12.46	-2.47
-4.0	-5.64	-0.05
-3.0	-6.90	3.07
-2.0	3.19	7.47
-1.0	15.92	

Exhibit B

14.25GHz @ -20.13 dBW/4kHz			14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)	Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
0.0	19.47		45.0	-43.09	-23.33
1.0	15.79		46.0	-33.56	-23.57
2.0	3.06	7.47	47.0	-47.13	-23.80
3.0	-8.16	3.07	48.0	-29.77	-24.03
4.0	-4.92	-0.05	49.0	-33.59	-24.00
5.0	-11.28	-2.47	50.0	-33.58	-24.00
6.0	-10.44	-4.45	51.0	-30.53	-24.00
7.0	-9.64	-6.13	52.0	-45.97	-24.00
8.0	-14.96	-6.00	53.0	-39.93	-24.00
9.0	-19.44	-6.00	54.0	-37.40	-24.00
10.0	-19.37	-7.00	55.0	-37.58	-24.00
11.0	-20.82	-8.03	56.0	-34.72	-24.00
12.0	-36.31	-8.98	57.0	-35.06	-24.00
13.0	-30.24	-9.85	58.0	-48.14	-24.00
14.0	-39.55	-10 65	59.0	-35.51	-24.00
15.0	-30.17	-11.40	60.0	-42.33	-24.00
16.0	-26.04	-12.10	61.0	-34.56	-24.00
17.0	-32.02	-12 76	62.0	-37.78	-24 00
18.0	-26.29	-13.38	63.0	-48.65	-24.00
19.0	-30.39	-13.97	64.0	-35.39	-24.00
20.0	-33.86	-14.53	65.0	-31.91	-24.00
21.0	-36.89	-15.06	66.0	-36.38	-24.00
22.0	-36.22	-15.56	67.0	-33.85	-24.00
23.0	-32.82	-16.04	68.0	-34.59	-24.00
24.0	-29.80	-16.51	69.0	-41.23	-24.00
25.0	-33.16	-16.95	70.0	-34.10	-24.00
26.0	-28.49	-17.37	71.0	-34.73	-24.00
27.0	-31.85	-17.78	72.0	-36.56	-24.00
28.0	-38.74	-18.18	73.0	-33.01	-24.00
29.0	-30.83	-18.56	74.0	-29.32	-24.00
30.0	-37.67	-18.93	75.0	-28.71	-24.00
31.0	-35.05	-19.28	76.0	-28.69	-24.00
32.0	-32.20	-19.63	77.0	-30.40	-24.00
33.0	-42.19	-19.96	78.0	-33.53	-24.00
34.0	-31.92	-20.29	79.0	-37.35	-24.00
35.0	-31.97	-20.60	80.0	-44.30	-24.00
36.0	-40.80	-20.91	81.0	-37.49	-24.00
37.0	-36.81	-21.21	82.0	-32.90	-24.00
38.0	-38.02	-21.49	83.0	-32.01	-24.00
39.0	-30.56	-21.78	84.0	-32.91	-24.00
40.0	-46.87	-22.05	85.0	-34.60	-24.00
41.0	-40.48	-22.32	86.0	-37.81	-14.00
42.0	-34.10	-22.58	87.0	-42.55	-14.00
43.0	-35.22	-22.84	88.0	-48.27	-14.00
44.0	-34.30	-23.09	89.0	-53.83	-14.00

Exhibit 8

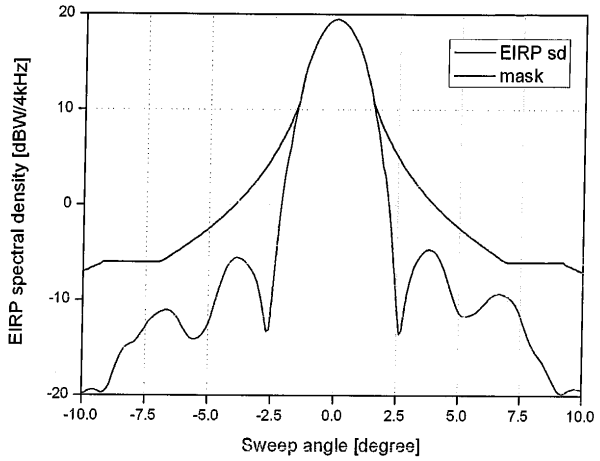
14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
90.0	-56.45	-14.00
91.0	-44.27	-14.00
92.0	-34.60	-14.00
93.0	-31.96	-14.00
94.0	-30.44	-14.00
95.0	-31.09	-14.00
96.0	-33.39	-14.00
97.0	-36.01	-14.00
98.0	-37.96	-14.00
99.0	-36.26	-14.00
100.0	-41.98	-14.00
101.0	-40.83	-14.00
102.0	-40.07	-14.00
103.0	-37.20	-14.00
104.0	-39.80	-14.00
105.0	-37.94	-14.00
106.0	-35.20	-14.00
107.0	-37.42	-14.00
108.0	-36.79	-14.00
109.0	-37.39	-14.00
110.0	-42.29	-14.00
111.0	-38.96	-14.00
112.0	-49.98	-14.00
113.0	-54.43	-14.00
114.0	-41.81	-14.00
115.0	-42.68	-14.00
116.0	-55.22	-14.00
117.0	-45.78	-14.00
118.0	-43.26	-14.00
119.0	-41.13	-14.00
120.0	-50.87	-14.00
121.0	-50.16	-14.00
122.0	-46.89	-14.00
123.0	-48.04	-14.00
124.0	-49.70	-14.00
125.0	-52.32	-14.00
126.0	-55.46	-14.00
127.0	-48.56	-14.00
128.0	-54.46	-14.00
129.0	-43.75	-14.00
130.0	-45.68	-14.00
131.0	-42.08	-14.00
132.0	-44.57	-14.00
133.0	-54.39	-14.00
134.0	-52.55	-14.00

14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
135.0	-47.46	-14.00
136.0	-63.66	-14.00
137.0	-50.13	-14.00
138.0	-49.62	-14.00
139.0	-51.22	-14.00
140.0	-56.59	-14.00
141.0	-44.36	-14.00
142.0	-49.86	-14.00
143.0	-51.21	-14.00
144.0	-38.93	-14.00
145.0	-51.32	-14.00
146.0	-51.67	-14.00
147.0	-45.21	-14.00
148.0	-47.47	-14.00
149.0	-42.53	-14.00
150.0	-51.73	-14.00
151.0	-38.84	-14.00
152.0	-43.98	-14.00
153.0	-47.54	-14.00
154.0	-52.36	-14.00
155.0	-41.24	-14.00
156.0	-40.59	-14.00
157.0	-45.00	-14.00
158.0	-43.21	-14.00
159.0	-45.45	-14.00
160.0	-46.87	-14.00
161.0	-46.16	-14.00
162.0	-49.06	-14.00
163.0	-46.36	-14.00
164.0	-44.20	-14.00
165.0	-51.18	-14.00
166.0	-44.61	-14.00
167.0	-43.59	-14.00
168.0	-44.03	-14.00
169.0	-46.29	-14.00
170.0	-39.02	-14.00
171.0	-35.96	-14.00
172.0	-49.97	-14.00
173.0	-40.43	-14.00
174.0	-35.47	-14.00
175.0	-43.52	-14.00
176.0	-41.42	-14.00
177.0	-43.03	-14.00
178.0	-44.63	-14.00
179.0	-46.85	-14.00
180.0	-49.52	-14.00

Exhibit 8

1. EIRP Spectral Density of V80G

1.1. Azimuth Pattern for Co-pol, Narrow Angle (-10°~10°)



14.25GHz EIRP spectral density @ -20.13dBW/4kHz Input power spectral density

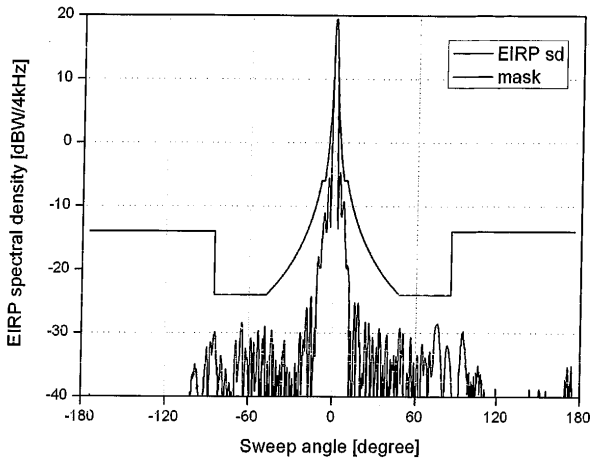
- **FCC EIRP spectral density regulation**

15-25log(θ)	**dBW/4kHz**	**for**	**$1.5^\circ \le \theta \le 7.0^\circ$**
-6	**dBW/4kHz**	**for**	**$7.0^\circ < \theta \le 9.2^\circ$**
18-25log(θ)	**dBW/4kHz**	**for**	**$9.2^\circ < \theta \le 48^\circ$**
-24	**dBW/4kHz**	**for**	**$48^\circ < \theta \le 85^\circ$**
-14	**dBW/4kHz**	**for**	**$85^\circ < \theta \le 180^\circ$**

The v80G's Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -20.13 dBW/ 4kHz

Exhibit 8

1.2. Azimuth Pattern for Co-pol, Wide Angle (-180°~180°)



14.25GHz EIRP spectral density @ -20.13dBW/4kHz Input power spectral density

- **FCC EIRP spectral density regulation**

15-25log(θ)	dBW/4kHz	for	1.5° ≤ θ ≤ 7.0°
-6	dBW/4kHz	for	7.0° < θ ≤ 9.2°
18-25log(θ)	dBW/4kHz	for	9.2° < θ ≤ 48°
-24	dBW/4kHz	for	48° < θ ≤ 85°
-14	dBW/4kHz	for	85° < θ ≤ 180°

The v80G's Radiation pattern meets the FCC EIRP spectral density mask when the Input powers spectral density is @ -20.13 dBW/ 4kHz

25.222(b)(1)(i)(B) TABLE

Exhibit 9

2.4. Elevation Pattern for Co-pol (0°~30°)

14.25GHz @ -20.13 dBW/4kHz			14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)	Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
0.0	19.47		5.0	-12.62	0.53
0.1	19.44		5.1	-11.94	0.31
0.2	19.31		5.2	-11.33	0.10
0.3	19.07		5.3	-10.96	-0.11
0.4	18.69		5.4	-10.75	-0.31
0.5	18.22		5.5	-10.81	-0.51
0.6	17.68		5.6	-11.29	-0.70
0.7	17.03		5.7	-12.12	-0.90
0.8	16.34		5.8	-13.28	-1.09
0.9	15.59		5.9	-15.10	-1.27
1.0	14.78		6.0	-17.55	-1.45
1.1	13.90		6.1	-20.42	-1.63
1.2	12.92		6.2	-23.41	-1.81
1.3	11.83		6.3	-24.22	-1.98
1.4	10.55		6.4	-22.77	-2.15
1.5	9.05		6.5	-21.06	-2.32
1.6	7.33		6.6	-19.95	-2.49
1.7	5.23		6.7	-19.42	-2.65
1.8	2.74		6.8	-19.11	-2.81
1.9	-0.15		6.9	-18.82	-2.97
2.0	-3.65		7.0	-18.59	-3.13
2.1	-7.41		7.1	-18.31	-3.28
2.2	-9.66		7.2	-17.79	-3.43
2.3	-9.31		7.3	-17.17	-3.58
2.4	-7.70		7.4	-16.60	-3.73
2.5	-6.40		7.5	-15.93	-3.88
2.6	-5.54		7.6	-15.29	-4.02
2.7	-4.92		7.7	-14.79	-4.16
2.8	-4.58		7.8	-14.33	-4.30
2.9	-4.56		7.9	-13.95	-4.44
3.0	-4.89	6.07	8.0	-13.70	-4.58
3.1	-5.52	5.72	8.1	-13.56	-4.71
3.2	-6.50	5.37	8.2	-13.50	-4.85
3.3	-8.04	5.04	8.3	-13.58	-4.98
3.4	-9.95	4.71	8.4	-13.76	-5.11
3.5	-12.27	4.40	8.5	-14.05	-5.24
3.6	-15.31	4.09	8.6	-14.47	-5.36
3.7	-18.62	3.79	8.7	-15.04	-5.49
3.8	-21.72	3.51	8.8	-15.81	-5.61
3.9	-24.52	3.22	8.9	-16.77	-5.73
4.0	-26.58	2.95	9.0	-17.95	-5.86
4.1	-25.67	2.68	9.1	-19.53	-5.98
4.2	-23.33	2.42	9.2	-21.36	-6.09
4.3	-20.57	2.16	9.3	-23.43	-6.21
4.4	-18.06	1.91	9.4	-25.60	-6.33
4.5	-16.38	1.67	9.5	-26.94	-6.44
4.6	-15.23	1.43	9.6	-26.77	-6.56
4.7	-14.36	1.20	9.7	-25.88	-6.67
4.8	-13.71	0.97	9.8	-25.14	-6.78
4.9	-13.19	0.75	9.9	-24.44	-6.89

Exhibit 9

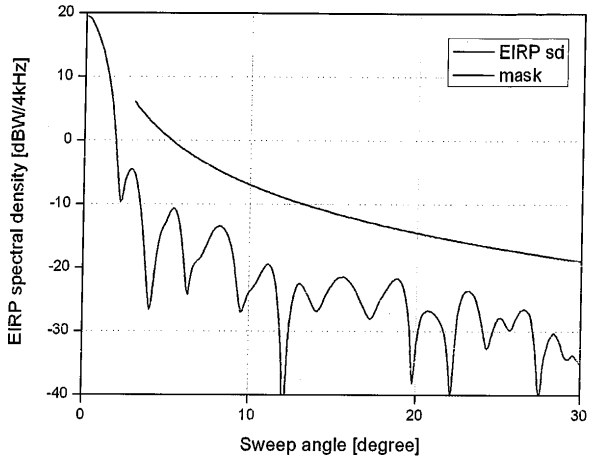
14.25GHz @ -20.13 dBW/4kHz			14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)	Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
10.0	-23.91	-7.00	15.0	-22.43	-11.40
10.1	-23.58	-7.11	15.1	-22.11	-11.47
10.2	-23.25	-7.22	15.2	-21.84	-11.55
10.3	-22.85	-7.32	15.3	-21.62	-11.62
10.4	-22.46	-7.43	15.4	-21.50	-11.69
10.5	-22.02	-7.53	15.5	-21.44	-11.76
10.6	-21.49	-7.63	15.6	-21.44	-11.83
10.7	-20.92	-7.73	15.7	-21.51	-11.90
10.8	-20.43	-7.84	15.8	-21.67	-11.97
10.9	-19.96	-7.94	15.9	-21.90	-12.03
11.0	-19.56	-8.03	16.0	-22.19	-12.10
11.1	-19.42	-8.13	16.1	-22.57	-12.17
11.2	-19.49	-8.23	16.2	-22.98	-12.24
11.3	-19.78	-8.33	16.3	-23.42	-12.30
11.4	-20.42	-8.42	16.4	-23.90	-12.37
11.5	-21.49	-8.52	16.5	-24.43	-12.44
11.6	-22.88	-8.61	16.6	-25.00	-12.50
11.7	-24.80	-8.70	16.7	-25.57	-12.57
11.8	-27.51	-8.80	16.8	-26.16	-12.63
11.9	-31.13	-8.89	16.9	-26.75	-12.70
12.0	-37.02	-8.98	17.0	-27.26	-12.76
12.1	-58.99	-9.07	17.1	-27.68	-12.82
12.2	-39.18	-9.16	17.2	-27.97	-12.89
12.3	-32.97	-9.25	17.3	-27.96	-12.95
12.4	-29.58	-9.34	17.4	-27.60	-13.01
12.5	-27.14	-9.42	17.5	-27.04	-13.08
12.6	-25.32	-9.51	17.6	-26.48	-13.14
12.7	-24.11	-9.60	17.7	-25.86	-13.20
12.8	-23.20	-9.68	17.8	-25.28	-13.26
12.9	-22.61	-9.76	17.9	-24.78	-13.32
13.0	-22.46	-9.85	18.0	-24.31	-13.38
13.1	-22.58	-9.93	18.1	-23.83	-13.44
13.2	-22.83	-10.01	18.2	-23.40	-13.50
13.3	-23.31	-10.10	18.3	-23.01	-13.56
13.4	-23.89	-10.18	18.4	-22.65	-13.62
13.5	-24.35	-10.26	18.5	-22.27	-13.68
13.6	-24.94	-10.34	18.6	-21.97	-13.74
13.7	-25.56	-10.42	18.7	-21.79	-13.80
13.8	-26.02	-10.50	18.8	-21.67	-13.85
13.9	-26.52	-10.58	18.9	-21.69	-13.91
14.0	-26.83	-10.65	19.0	-21.94	-13.97
14.1	-26.77	-10.73	19.1	-22.36	-14.03
14.2	-26.42	-10.81	19.2	-22.96	-14.08
14.3	-25.94	-10.88	19.3	-23.97	-14.14
14.4	-25.35	-10.96	19.4	-25.42	-14.20
14.5	-24.73	-11.03	19.5	-27.23	-14.25
14.6	-24.18	-11.11	19.6	-30.05	-14.31
14.7	-23.68	-11.18	19.7	-34.29	-14.36
14.8	-23.22	-11.26	19.8	-38.09	-14.42
14.9	-22.81	-11.33	19.9	-35.88	-14.47

Exhibit 9

14.25GHz @ -20.13 dBW/4kHz			14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)	Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
20.0	-32.21	-14.53	25.0	-27.88	-16.95
20.1	-30.10	-14.58	25.1	-27.84	-16.99
20.2	-28.63	-14.63	25.2	-28.01	-17.04
20.3	-27.67	-14.69	25.3	-28.46	-17.08
20.4	-27.23	-14.74	25.4	-28.97	-17.12
20.5	-26.99	-14.79	25.5	-29.42	-17.16
20.6	-26.80	-14.85	25.6	-29.73	-17.21
20.7	-26.75	-14.90	25.7	-29.73	-17.25
20.8	-26.78	-14.95	25.8	-29.39	-17.29
20.9	-26.85	-15.00	25.9	-28.74	-17.33
21.0	-27.00	-15.06	26.0	-28.11	-17.37
21.1	-27.24	-15.11	26.1	-27.61	-17.42
21.2	-27.55	-15.16	26.2	-27.13	-17.46
21.3	-27.93	-15.21	26.3	-26.80	-17.50
21.4	-28.35	-15.26	26.4	-26.69	-17.54
21.5	-28.90	-15.31	26.5	-26.56	-17.58
21.6	-29.60	-15.36	26.6	-26.48	-17.62
21.7	-30.44	-15.41	26.7	-26.64	-17.66
21.8	-31.81	-15.46	26.8	-26.86	-17.70
21.9	-34.12	-15.51	26.9	-27.25	-17.74
22.0	-37.29	-15.56	27.0	-28.24	-17.78
22.1	-40.53	-15.61	27.1	-29.75	-17.82
22.2	-37.49	-15.66	27.2	-31.57	-17.86
22.3	-33.26	-15.71	27.3	-34.64	-17.90
22.4	-29.96	-15.76	27.4	-38.82	-17.94
22.5	-27.55	-15.80	27.5	-40.30	-17.98
22.6	-26.10	-15.85	27.6	-38.70	-18.02
22.7	-25.05	-15.90	27.7	-35.86	-18.06
22.8	-24.28	-15.95	27.8	-34.00	-18.10
22.9	-23.88	-16.00	27.9	-33.03	-18.14
23.0	-23.70	-16.04	28.0	-32.08	-18.18
23.1	-23.59	-16.09	28.1	-31.28	-18.22
23.2	-23.63	-16.14	28.2	-30.81	-18.26
23.3	-23.82	-16.18	28.3	-30.45	-18.29
23.4	-24.06	-16.23	28.4	-30.25	-18.33
23.5	-24.47	-16.28	28.5	-30.45	-18.37
23.6	-25.09	-16.32	28.6	-30.92	-18.41
23.7	-25.86	-16.37	28.7	-31.46	-18.45
23.8	-26.89	-16.41	28.8	-32.20	-18.48
23.9	-28.22	-16.46	28.9	-33.08	-18.52
24.0	-29.65	-16.51	29.0	-33.82	-18.56
24.1	-31.19	-16.55	29.1	-34.19	-18.60
24.2	-32.38	-16.60	29.2	-34.28	-18.63
24.3	-32.67	-16.64	29.3	-34.27	-18.67
24.4	-32.24	-16.68	29.4	-34.01	-18.71
24.5	-31.19	-16.73	29.5	-33.70	-18.75
24.6	-30.15	-16.77	29.6	-33.73	-18.78
24.7	-29.31	-16.82	29.7	-34.08	-18.82
24.8	-28.56	-16.86	29.8	-34.46	-18.86
24.9	-28.08	-16.90	29.9	-34.80	-18.89
			30.0	-35.21	-18.93

Exhibit 9

1.4. Elevation Pattern for Co-pol, Narrow Angle (0°~30°)



14.25GHz EIRP spectral density @ -20.13dBW/4kHz Input power spectral density

- **FCC EIRP spectral density regulation**

18-25log(θ)	**dBW/4kHz**	**for**	**3.0° ≤ θ ≤ 48°**
-24	**dBW/4kHz**	**for**	**48° < θ ≤ 85°**
-14	**dBW/4kHz**	**for**	**85° < θ ≤ 180°**

The v80G's Radiation pattern meets the FCC EIRP spectral density mask when the Input powers spectral density is @ -20.13 dBW/ 4kHz

25.222(b)(1)(i)(C) TABLE

Exhibit 10

2.3. Azimuth Pattern for Cross-pol (-10°~10°)

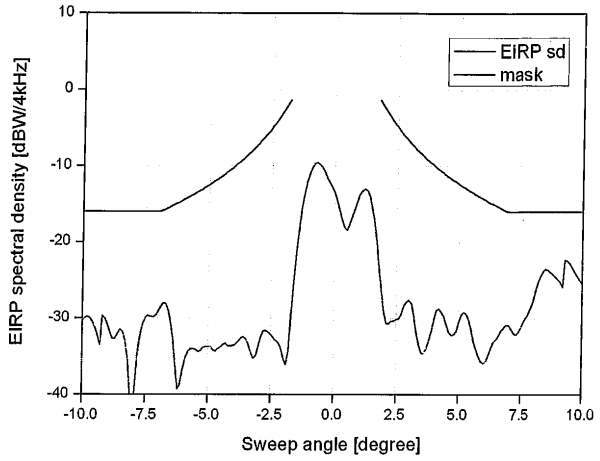
14.25GHz @ -20.13 dBW/4kHz			14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)	Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
-10.0	-30.25	-16.00	-5.0	-33.69	-12.47
-9.9	-29.95	-16.00	-4.9	-33.73	-12.25
-9.8	-29.80	-16.00	-4.8	-34.13	-12.03
-9.7	-29.94	-16.00	-4.7	-34.23	-11.80
-9.6	-30.45	-16.00	-4.6	-33.97	-11.57
-9.5	-31.24	-16.00	-4.5	-33.73	-11.33
-9.4	-32.26	-16.00	-4.4	-33.39	-11.09
-9.3	-33.50	-16.00	-4.3	-33.31	-10.84
-9.2	-29.67	-16.00	-4.2	-33.58	-10.58
-9.1	-30.03	-16.00	-4.1	-33.62	-10.32
-9.0	-30.82	-16.00	-4.0	-33.55	-10.05
-8.9	-31.94	-16.00	-3.9	-33.43	-9.78
-8.8	-32.64	-16.00	-3.8	-33.08	-9.49
-8.7	-32.65	-16.00	-3.7	-32.59	-9.21
-8.6	-31.98	-16.00	-3.6	-32.47	-8.91
-8.5	-31.49	-16.00	-3.5	-32.74	-8.60
-8.4	-31.78	-16.00	-3.4	-33.33	-8.29
-8.3	-32.84	-16.00	-3.3	-34.38	-7.96
-8.2	-35.02	-16.00	-3.2	-35.24	-7.63
-8.1	-39.57	-16.00	-3.1	-34.87	-7.28
-8.0	-43.01	-16.00	-3.0	-33.81	-6.93
-7.9	-38.51	-16.00	-2.9	-32.46	-6.56
-7.8	-34.46	-16.00	-2.8	-31.67	-6.18
-7.7	-32.13	-16.00	-2.7	-31.64	-5.78
-7.6	-30.73	-16.00	-2.6	-31.84	-5.37
-7.5	-29.94	-16.00	-2.5	-32.12	-4.95
-7.4	-29.67	-16.00	-2.4	-32.59	-4.51
-7.3	-29.74	-16.00	-2.3	-32.96	-4.04
-7.2	-29.85	-16.00	-2.2	-33.16	-3.56
-7.1	-29.65	-16.00	-2.1	-33.77	-3.06
-7.0	-29.09	-16.00	-2.0	-35.17	-2.53
-6.9	-28.56	-15.97	-1.9	-35.99	-1.97
-6.8	-28.08	-15.81	-1.8	-34.30	-1.38
-6.7	-28.06	-15.65	-1.7	-29.69	
-6.6	-28.87	-15.49	-1.6	-25.22	
-6.5	-30.43	-15.32	-1.5	-21.47	
-6.4	-32.59	-15.15	-1.4	-18.28	
-6.3	-36.05	-14.98	-1.3	-15.80	
-6.2	-39.19	-14.81	-1.2	-13.79	
-6.1	-38.66	-14.63	-1.1	-12.12	
-6.0	-36.68	-14.45	-1.0	-10.98	
-5.9	-35.17	-14.27	-0.9	-10.16	
-5.8	-34.34	-14.09	-0.8	-9.67	
-5.7	-34.00	-13.90	-0.7	-9.59	
-5.6	-33.94	-13.70	-0.6	-9.82	
-5.5	-34.06	-13.51	-0.5	-10.24	
-5.4	-34.29	-13.31	-0.4	-10.89	
-5.3	-34.25	-13.11	-0.3	-11.57	
-5.2	-33.84	-12.90	-0.2	-12.19	
-5.1	-33.72	-12.69	-0.1	-12.85	

Exhibit 10

14.25GHz @ -20.13 dBW/4kHz			14.25GHz @ -20.13 dBW/4kHz		
Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)	Angle (Degree)	EIRP SD (dBW/4kHz)	Mask (dBW/4kHz)
0.0	-13.51		5.0	-30.63	-12.47
0.1	-14.48		5.1	-29.56	-12.69
0.2	-15.79		5.2	-29.22	-12.90
0.3	-17.01		5.3	-29.45	-13.11
0.4	-18.09		5.4	-30.10	-13.31
0.5	-18.43		5.5	-31.38	-13.51
0.6	-17.81		5.6	-32.99	-13.70
0.7	-16.71		5.7	-34.05	-13.90
0.8	-15.76		5.8	-34.92	-14.09
0.9	-14.70		5.9	-35.58	-14.27
1.0	-13.76		6.0	-35.82	-14.45
1.1	-13.29		6.1	-35.53	-14.63
1.2	-13.07		6.2	-34.84	-14.81
1.3	-13.24		6.3	-33.88	-14.98
1.4	-14.10		6.4	-33.09	-15.15
1.5	-15.49		6.5	-32.78	-15.32
1.6	-17.26		6.6	-32.24	-15.49
1.7	-19.97		6.7	-31.63	-15.65
1.8	-23.20	-1.38	6.8	-31.27	-15.81
1.9	-26.24	-1.97	6.9	-30.89	-15.97
2.0	-29.09	-2.53	7.0	-30.94	-16.00
2.1	-30.64	-3.06	7.1	-31.50	-16.00
2.2	-30.63	-3.56	7.2	-31.97	-16.00
2.3	-30.42	-4.04	7.3	-32.13	-16.00
2.4	-30.34	-4.51	7.4	-31.84	-16.00
2.5	-30.12	-4.95	7.5	-31.25	-16.00
2.6	-30.07	-5.37	7.6	-30.63	-16.00
2.7	-29.52	-5.78	7.7	-30.07	-16.00
2.8	-28.42	-6.18	7.8	-29.52	-16.00
2.9	-27.86	-6.56	7.9	-28.73	-16.00
3.0	-27.66	-6.93	8.0	-27.76	-16.00
3.1	-27.99	-7.28	8.1	-26.55	-16.00
3.2	-29.54	-7.63	8.2	-25.28	-16.00
3.3	-31.79	-7.96	8.3	-24.44	-16.00
3.4	-33.35	-8.29	8.4	-23.85	-16.00
3.5	-34.49	-8.60	8.5	-23.52	-16.00
3.6	-34.55	-8.91	8.6	-23.62	-16.00
3.7	-34.01	-9.21	8.7	-23.91	-16.00
3.8	-33.02	-9.49	8.8	-24.16	-16.00
3.9	-31.72	-9.78	8.9	-24.50	-16.00
4.0	-30.13	-10.05	9.0	-24.79	-16.00
4.1	-28.99	-10.32	9.1	-25.14	-16.00
4.2	-28.79	-10.58	9.2	-25.85	-16.00
4.3	-29.16	-10.84	9.3	-22.33	-16.00
4.4	-29.74	-11.09	9.4	-22.46	-16.00
4.5	-30.75	-11.33	9.5	-22.79	-16.00
4.6	-31.75	-11.57	9.6	-23.41	-16.00
4.7	-32.16	-11.80	9.7	-23.99	-16.00
4.8	-32.10	-12.03	9.8	-24.45	-16.00
4.9	-31.65	-12.25	9.9	-24.95	-16.00
			10.0	-25.49	-16.00

Exhibit 10

1.3. Azimuth Pattern for Cross-pol, Narrow angle (-10°~10°)



14.25GHz EIRP spectral density @ -20.13dBW/4kHz Input power spectral density

- **FCC EIRP spectral density regulation**

5-25log(θ)	**dBW/4kHz**	**for**	**1.8° ≤ θ ≤ 7.0°**
-16	**dBW/4kHz**	**for**	**7.0° < θ ≤ 9.2°**

The v80G's Radiation pattern meets the FCC EIRP spectral density mask when the Input powers spectral density is @ -20.13 dBW/ 4kHz

Appendix 3

The proposed service is designed as a regional service, covering the North American continent and its coastal waters, Central America, the Gulf of Mexico and the Caribbean, as shown in yellow shade in the Figure below.

Appendix 4

Compliance With 25.222(c) and (d)

Elite's operation of the Intellian v80G remote ESV antennas will fully comply with the requirements of sub-sections 25.222(c) and (d) of the Commission's ESV regulations. Elite will comply with the mandates set forth in 25.222(c) that operations of ESVs in the 14.0 - 14.2 GHz frequency bands within 125 km of the facilities are only permitted after successful coordination through NTIA and IRAC. Elite further understands that operations of ESVs in the 14.47 - 14.5 GHz within the specified distances from the facilities set forth in 25.222(d) are only permitted after they have been successfully coordinated through NTIA/IRAC, and will not pursue such operations until coordination has been complete.

Elite is in the process of pursuing coordination and hopes to successfully complete the process in the near term. Unless and until the coordination is successfully completed, Elite will comply with 25.222 (c) and (d) by not operating Ku-band ESVs at all on the specified frequencies within the specified distances of the facilities set forth in the two provisions.