TO: Stan Lyles
slyles@fcc.gov
FCC Application Processing Branch

FROM: DeLyle Danner, ARNAV Systems, Inc.

PAGES: 1

RE: FCC ID FEF-453-8050

APPLICANT:	ARNAV Systems, Inc.
Correspondence Reference Number:	25098
731 Confirmation Number:	EA851428

In response to the correspondence received on 4/25/03, the following information has been provided.

1) In response to confidentiality request of items 1-3 a new confidentiality letter Exhibit 2B, which supercedes the other 2 confidentiality letters, has been submitted.
2) Occupied bandwidth plots and spectrum mask plots of the fundamental frequency have been submitted as Exhibit 21 in response to item 4.
3) The Pilots Operating Handbook, Exhibit 8A, and Installation Guide, Exhibit 9A, have both been updated with the RF exposure information as requested in item 5. Note that the updated manuals supercedes the previous revisions.
4) The frequency tolerance on from 731 should be 10ppm to clarify item 6. I'm unable to edit the 731 form to make the change.
5) The RF Exposure, Exhibit 5, has been updated to Exhibit 5A.

REPORT No: SC-206160 TESTER: David Gray SPEC: FCC Part 25.202

CUSTOMER: Qualcomm TEST DIST: 3 Meters

E U T: RCOM 100 TEST SITE: Roof

EUT MODE: Transmit BICONICAL: N/A

DATE: 12/13/02 ERP/EIRP Factor 5.5 LOG: N/A

NOTES: HORN: 453

CF = Antenna Factor + Cable Loss - Preamplifier Gain + Preselector Loss

v.beta1a

FREQ (MHz)	VERTICAL (dBuv) pk		HORIZONTAL (dBuv) pk		CF (dB/m)	MAX LEVEL (dBm) pk		SPEC LIMIT (dBm) pk		MARGIN (dB) pk		EUT Rotation	Antenna Height	Notes	dBuV/m	dBuV/m
1616.88	99.4		99.4		31.3	35.4								Fundamental (Low Band)	130.7	31.3
3233.76	50.4	39.5	50.5	39.5	-1.1	-45.8	-56.8	-13.0	-13.0	-32.8	-43.8	315	1.5		49.4	38.4
4850.64	47.6	35.6	45.8	36	0.6	-47.1	-58.7	-13.0	-13.0	-34.1	-45.7	315	1.5		48.2	36.6
6467.52	32	22	32	22	7.1	-56.2	-66.2	-13.0	-13.0	-43.2	-53.2			noise	39.1	29.1
8084.4	31	22	31	22	9.8	-54.5	-63.5	-13.0	-13.0	-41.5	-50.5			noise	40.8	31.8
9701.28	32	22	32	22	10.7	-52.6	-62.6	-13.0	-13.0	-39.6	-49.6			noise	42.7	32.7
11318.16	32	22	32	22	14.3	-49.0	-59.0	-13.0	-13.0	-36	-46			noise	46.3	36.3
12935.04	41	31	41	31	14.0	-40.3	-50.3	-13.0	-13.0	-27.3	-37.3			noise	55.0	45.0
14551.92	41	32	41	32	16.1	-38.1	-47.1	-13.0	-13.0	-25.1	-34.1			noise	57.1	48.1
16168.8	41	31	41	31	17.8	-36.5	-46.5	-13.0	-13.0	-23.5	-33.5			noise	58.8	48.8
1618.11	99.7		99.4		31.3	35.7								Fundamental (Mid Band)	131.0	31.3
3236.22	46.2	36.2	47.8	38.1	-1.1	-48.5	-58.2	-13.0	-13.0	-35.5	-45.2	25	2		46.7	37.0
4854.33	49.4	38.7	49.2	38.3	0.6	-45.2	-55.9	-13.0	-13.0	-32.2	-42.9	0	2		50.0	39.3
6472.44	33	22	33	22	7.1	-55.2	-66.2	-13.0	-13.0	-42.2	-53.2			noise	40.1	29.1
8090.55	32	22	32	22	9.8	-53.5	-63.5	-13.0	-13.0	-40.5	-50.5			noise	41.8	31.8
9708.66	32	22	32	22	10.7	-52.5	-62.5	-13.0	-13.0	-39.5	-49.5			noise	42.7	32.7
11326.77	33	22	33	22	14.3	-48.0	-59.0	-13.0	-13.0	-35	-46			noise	47.3	36.3
12944.88	41	31	41	31	13.9	-40.3	-50.3	-13.0	-13.0	-27.3	-37.3			noise	54.9	44.9
14562.99	41	32	41	32	16.2	-38.1	-47.1	-13.0	-13.0	-25.1	-34.1			noise	57.2	48.2
16181.1	41	31	41	31	17.9	-36.4	-46.4	-13.0	-13.0	-23.4	-33.4			noise	58.9	48.9
1620.57	99.3		97.9		31.3	35.3								Fundamental (High Band)	130.6	31.3
3241.14	47.5	33.8	48.1	40.3	-1.0	-48.2	-56.0	-13.0	-13.0	-35.2	-43	0	2		47.1	39.3
4861.71	40	30	40	30	0.7	-54.6	-64.6	-13.0	-13.0	-41.6	-51.6			noise	40.7	30.7
6482.28	33	22	33	22	7.1	-55.2	-66.2	-13.0	-13.0	-42.2	-53.2			noise	40.1	29.1
8102.85	31	21	31	21	9.8	-54.5	-64.5	-13.0	-13.0	-41.5	-51.5			noise	40.8	30.8
9723.42	31	21	31	21	10.8	-53.5	-63.5	-13.0	-13.0	-40.5	-50.5			noise	41.8	31.8
11343.99	31	21	31	21	14.3	-50.0	-60.0	-13.0	-13.0	-37	-47			noise	45.3	35.3
12964.56	42	32	42	32	13.9	-39.4	-49.4	-13.0	-13.0	-26.4	-36.4			noise	55.9	45.9
14585.13	42	32	42	32	16.2	-37.0	-47.0	-13.0	-13.0	-24	-34			noise	58.2	48.2
16205.7	42	31	42	31	17.9	-35.3	-46.3	-13.0	-13.0	-22.3	-33.3			noise	59.9	48.9