

FCC PART 15, SUBPART B and C
TEST REPORT

for

REMOTE POINT NAVIGATOR

MODEL: NAVIGATOR 2.4

Prepared for
INTERLINK ELECTRONICS
546 FLYNN ROAD
CAMARILLO, CALIFORNIA 93012

Prepared by: _____

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DATE: FEBRUARY 3, 2004

	REPORT BODY	APPENDICES					TOTAL
		A	B	C	D	E	
PAGES	14	2	2	2	12	11	43

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GENERAL REPORT SUMMARY

This electromagnetic emission test report is generated by Compatible Electronics Inc., which is an independent testing and consulting firm. The test report is based on testing performed by Compatible Electronics personnel according to the measurement procedures described in the test specifications given below and in the "Test Procedures" section of this report.

The measurement data and conclusions appearing herein relate only to the sample tested and this report may not be reproduced without the written permission of Compatible Electronics, unless done so in full.

This report must not be used to claim product endorsement by NVLAP, NIST or any other agency of the U.S. Government.

Device Tested: Remote Point Navigator
Model: Navigator 2.4
S/N: N/A

Product Description: See Expository Statement

Modifications: The EUT was not modified in order to meet the specifications.

Manufacturer: Interlink Electronics
546 Flynn Road
Camarillo, California 93012

Test Dates: January 14 and 19, 2004

Test Specifications: EMI requirements
CFR Title 47, Part 15 Subpart B; and Subpart C, Sections 15.205, 15.209 and 15.249

Test Procedure: ANSI C63.4: 2001

Test Deviations: The test procedure was not deviated from during the testing.

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Conducted RF Emissions, 150 kHz - 30 MHz	This test was not performed because the EUT operates on DC power only and cannot be plugged into the AC public mains.
2	Radiated RF Emissions, 10 kHz - 25000 MHz	Complies with the Class B limits of CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.249.

1. PURPOSE

This document is a qualification test report based on the Electromagnetic Interference (EMI) tests performed on the Remote Point Navigator Model: Navigator 2.4. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4: 2001. The tests were performed in order to determine whether the electromagnetic emissions from the equipment under test, referred to as EUT hereafter, are within the **Class B** specification limits defined by CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.249.



2. ADMINISTRATIVE DATA

2.1 Location of Testing

The EMI tests described herein were performed at the test facility of Compatible Electronics, 114 Olinda Drive, Brea, California 92823.

2.2 Traceability Statement

The calibration certificates of all test equipment used during the test are on file at the location of the test. The calibration is traceable to the National Institute of Standards and Technology (NIST).

2.3 Cognizant Personnel

Interlink Electronics

Daniel Grieder

Compatible Electronics, Inc.

Benigno Chavez	Test Technician
Kyle Fujimoto	Test Engineer
Kirit Ramani	Test Engineer
Michael Christensen	Sr. Test Engineer

2.4 Date Test Sample was Received

The test sample was received on January 14, 2004.

2.5 Disposition of the Test Sample

The sample has yet to be returned to Interlink Electronics as of February 3, 2004.

2.6 Abbreviations and Acronyms

The following abbreviations and acronyms may be used in this document.

RF	Radio Frequency
EMI	Electromagnetic Interference
EUT	Equipment Under Test
P/N	Part Number
S/N	Serial Number
HP	Hewlett Packard
ITE	Information Technology Equipment
CML	Corrected Meter Limit
LISN	Line Impedance Stabilization Network

3. APPLICABLE DOCUMENTS

The following documents are referenced or used in the preparation of this EMI Test Report.

SPEC	TITLE
CFR Title 47, Part 15	FCC Rules – Radio frequency devices (including digital devices)
ANSI C63.4 2001	Methods of measurement of radio-noise emissions from low-voltage electrical and electronic equipment in the range of 9 kHz to 40 GHz

4. DESCRIPTION OF TEST CONFIGURATION

4.1 Description Of Test Configuration - EMI

Setup and operation of the equipment under test.

Specifics of the EUT and Peripherals Tested

The Remote Point Navigator Model: Navigator 2.4 (EUT) was tested as a stand alone device. The EUT was tested while it was continuously transmitting and in three orthogonal axis. The EUT has a PCB trace for an antenna.

The final radiated data was taken in the mode above. Please see Appendix E for the data sheets.

4.1.1 Cable Construction and Termination

The EUT has no external cables.



5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT**5.1 EUT and Accessory List**

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC ID
REMOTE POINT NAVIGATOR (EUT)	INTERLINK ELECTRONICS	NAVIGATOR 2.4	N/A	IE3VP41XX04

5.2 EMI Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CAL. DATE	CAL. DUE DATE
Radiate Emissions Data Capture Program	Compatible Electronics	2.0	N/A	N/A	N/A
Spectrum Analyzer – Main Section	Hewlett Packard	8566B	3638A08784	June 20, 2003	1 Year
Spectrum Analyzer – Display Section	Hewlett Packard	85662A	3701A22279	June 20, 2003	1 Year
Quasi-Peak Adapter	Hewlett Packard	85650A	2430A00424	June 20, 2003	1 Year
EMI Receiver	Rhode & Schwarz	ESIB40	100172	July 22, 2003	1 Year
Preamplifier	Com-Power	PA-103	1582	March 6, 2003	1 Year
Biconical Antenna	Com-Power	AB-900	15226	April 21, 2003	1 Year
Log Periodic Antenna	Com-Power	AL-100	16202	February 3, 2003	1 Year
Antenna Mast	Com-Power	AM-100	N/A	N/A	N/A
Turntable	Com-Power	TT-100	N/A	N/A	N/A
Computer	Hewlett Packard	4530	US91912319	N/A	N/A
Monitor	Hewlett Packard	D5258A	TW74500641	N/A	N/A
Loop Antenna	Com-Power	AL-130	25310	June 4, 2003	1 Year
Microwave Preamplifier	Com-Power	PA-840	711013	March 6, 2002	2 Year
Horn Antenna	Com-Power	AH826	0071957	November 5, 2003	1 Year
Horn Antenna	Com-Power	AH-118	10073	January 21, 2002	2 Year
Microwave Preamplifier	Com-Power	PA-122	181917	October 31, 2003	1 Year

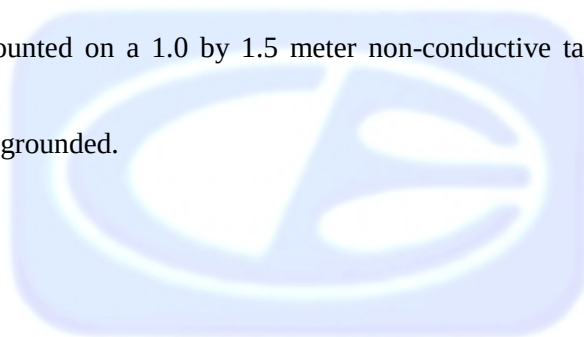
6. TEST SITE DESCRIPTION**6.1 Test Facility Description**

Please refer to section 2.1 and 7.1 of this report for EMI test location.

6.2 EUT Mounting, Bonding and Grounding

The EUT was mounted on a 1.0 by 1.5 meter non-conductive table 0.8 meters above the ground plane.

The EUT was not grounded.



7. TEST PROCEDURES

The following sections describe the test methods and the specifications for the tests. Test results are also included in this section.

7.1 Radiated Emissions (Spurious and Harmonics) Test

The spectrum analyzer was used as a measuring meter along with the quasi-peak adapter. Amplifiers were used to increase the sensitivity of the instrument. The Com-Power Preamplifier Model: PA-103 was used for frequencies from 30 MHz to 1 GHz, the Com-Power Microwave Preamplifier Model: PA-122 was used for frequencies from 1 GHz to 18 GHz, and the Com-Power Microwave Preamplifier Model: PA-840 was used for frequencies above 18 GHz. The spectrum analyzer was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the spectrum analyzer records the highest measured reading over all the sweeps.

The measurement bandwidths and transducers used for the radiated emissions test were:

FREQUENCY RANGE	EFFECTIVE MEASUREMENT BANDWIDTH	TRANSDUCER
9 kHz to 150 kHz	200 Hz	Active Loop Antenna
150 kHz to 30 MHz	9 kHz	Active Loop Antenna
30 MHz to 300 MHz	120 kHz	Biconical Antenna
300 MHz to 1 GHz	120 kHz	Log Periodic Antenna
1 GHz to 25 GHz	1 MHz	Horn Antenna

The open field test site of Compatible Electronics, Inc. was used for radiated emission testing. This test site is set up according to ANSI C63.4: 2001. Please see section 6.2 of this report for mounting, bonding and grounding of the EUT. The turntable supporting the EUT is remote controlled using a motor. The turntable permits EUT rotation of 360 degrees in order to maximize emissions. Also, the antenna mast allows height variation of the antenna from 1 meter to 4 meters. Data was collected in the worst case (highest emission) configuration of the EUT. At each reading, the EUT was rotated 360 degrees and the antenna height was varied from 1 to 4 meters (for E field radiated field strength). The gunsight method was used when measuring with the horn antenna in order to ensure accurate results. The loop antenna was also rotated in the horizontal and vertical axis in order to ensure accurate results.

The presence of ambient signals was verified by turning the EUT off. In case an ambient signal was detected, the measurement bandwidth was reduced temporarily and verification was made that an additional adjacent peak did not exist. This ensures that the ambient signal does not hide any emissions from the EUT. The EUT was tested at a 3 meter test distance to obtain final test data. The final qualification data sheets are located in Appendix E.

8. CONCLUSIONS

The Remote Point Navigator Model: Navigator 2.4 meets all of the **Class B** specification limits defined in CFR Title 47, Part 15, Subpart B; and Subpart C, sections 15.205, 15.209, and 15.249.



APPENDIX A

LABORATORY RECOGNITIONS

LABORATORY RECOGNITIONS

Compatible Electronics has the following agency accreditations:

National Voluntary Laboratory Accreditation Program - Lab Code: 200528-0

Voluntary Control Council for Interference - Registration Numbers: R-983, C-1026, R-984 and C-1027

Bureau of Standards and Metrology Inspection - Reference Number: SL2-IN-E-1031

Conformity Assessment Body for the EMC Directive Under the US/EU MRA Appointed by NIST

Compatible Electronics is recognized or on file with the following agencies:

Federal Communications Commission

Industry Canada

Radio-Frequency Technologies (Competent Body)

APPENDIX B

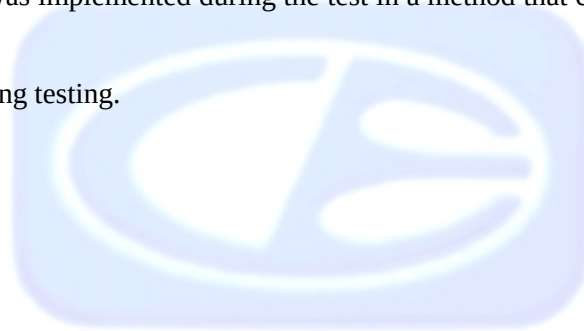
MODIFICATIONS TO THE EUT

MODIFICATIONS TO THE EUT

The modifications listed below were made to the EUT to pass FCC 15.249 or FCC Class B specifications.

All the rework described below was implemented during the test in a method that could be reproduced in all the units by the manufacturer.

No modifications were made during testing.



APPENDIX C

***ADDITIONAL MODELS COVERED
UNDER THIS REPORT***

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

Remote Point Navigator
Model: Navigator 2.4
S/N: N/A

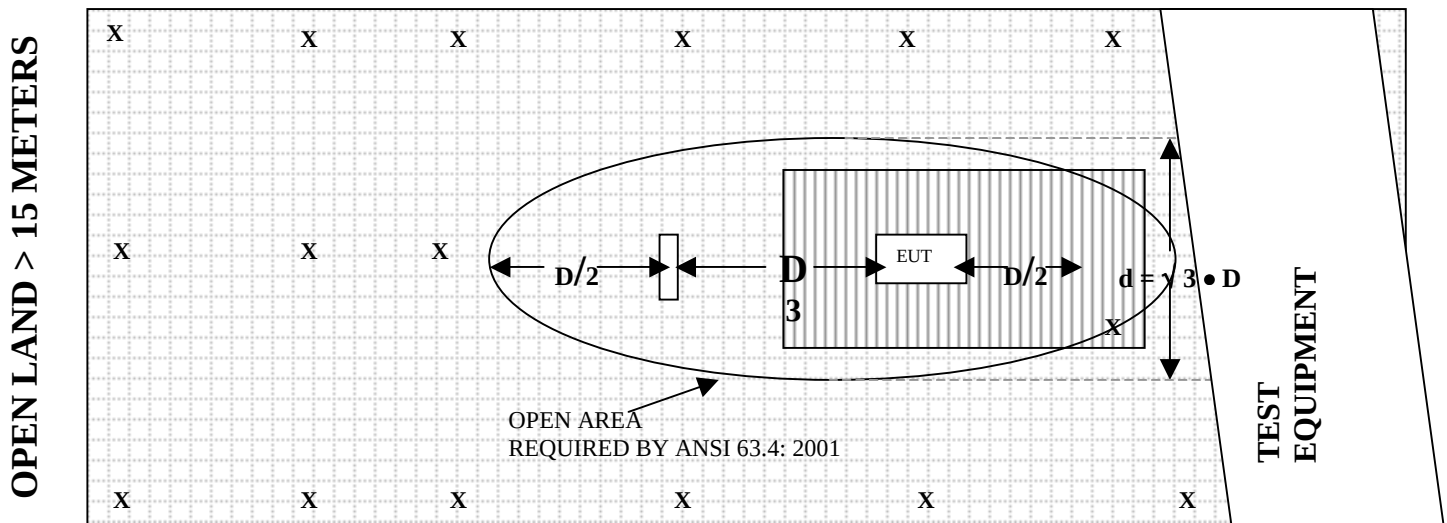
There are no additional models covered under this report.



APPENDIX D***DIAGRAMS, CHARTS, AND PHOTOS***

FIGURE 1: PLOT MAP AND LAYOUT OF RADIATED SITE

OPEN LAND > 15 METERS



OPEN LAND > 15 METERS

X	= GROUND RODS		= GROUND SCREEN
D	= TEST DISTANCE (meters)		= WOOD COVER

COM-POWER AB-900

BICONICAL ANTENNA

S/N: 15226

CALIBRATION DATE: APRIL 21, 2003

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	11.20	120	13.80
35	10.40	125	12.50
40	10.20	140	12.50
45	11.00	150	10.90
50	11.30	160	11.50
60	9.60	175	14.90
70	7.40	180	15.50
80	6.10	200	16.90
90	7.70	250	15.50
100	10.50	300	23.80

COM-POWER AL-100

LOG PERIODIC ANTENNA

S/N: 16202

CALIBRATION DATE: FEBRUARY 3, 2003

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
300	12.70	700	20.60
400	15.40	800	21.80
500	16.50	900	21.00
600	17.20	1000	21.50

COM-POWER PA-103**PREAMPLIFIER**

S/N: 1582

CALIBRATION DATE: MARCH 6, 2003

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	33.6	300	33.3
40	33.6	350	33.3
50	33.6	400	33.1
60	33.6	450	33.0
70	33.5	500	32.9
80	33.5	550	33.0
90	33.5	600	32.8
100	33.6	650	32.6
125	33.6	700	32.7
150	33.4	750	32.4
175	33.5	800	32.4
200	33.4	850	32.7
225	33.3	900	31.9
250	33.2	950	31.8
275	33.3	1000	32.5

COM-POWER PA-122

MICROWAVE PREAMPLIFIER

S/N: 181917

CALIBRATION DATE: OCTOBER 31, 2003

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	33.5	6.0	34.5
1.1	33.6	6.5	34.6
1.2	33.6	7.0	33.1
1.3	33.3	7.5	32.5
1.4	33.1	8.0	33.5
1.5	32.7	8.5	35.1
1.6	32.6	9.0	35.5
1.7	32.5	9.5	36.8
1.8	31.5	10.0	35.7
1.9	31.4	11.0	31.8
2.0	30.0	12.0	29.5
2.5	33.2	13.0	31.2
3.0	32.0	14.0	31.7
3.5	33.0	15.0	31.1
4.0	33.4	16.0	32.9
4.5	34.7	17.0	33.6
5.0	34.2	18.0	31.0
5.5	33.2		

COM-POWER PA-840**MICROWAVE PREAMPLIFIER****S/N: 711013****CALIBRATION DATE: MARCH 6, 2002**

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18.0	26.4	30.0	27.6
19.0	25.4	31.0	27.3
20.0	24.5	32.0	26.9
21.0	23.9	33.0	26.7
22.0	24.0	34.0	27.0
23.0	24.4	35.0	25.9
24.0	25.2	36.0	25.5
25.0	26.1	37.0	26.2
26.0	26.6	38.0	25.6
27.0	27.2	39.0	23.4
28.0	27.4	40.0	24.3
29.0	27.5		

COM-POWER AH-118**HORN ANTENNA**

S/N: 10073

CALIBRATION DATE: JANUARY 21, 2002

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	26.6	10.0	41.8
1.5	29.2	10.5	40.4
2.0	32.4	11.0	37.5
2.5	32.3	11.5	42.2
3.0	31.4	12.0	40.4
3.5	31.8	12.5	43.6
4.0	31.1	13.0	44.2
4.5	32.0	13.5	41.8
5.0	33.9	14.0	43.3
5.5	32.0	14.5	47.0
6.0	37.8	15.0	49.4
6.5	36.8	15.5	49.9
7.0	42.4	16.0	49.9
7.5	39.5	16.5	48.2
8.0	41.3	17.0	44.0
8.5	40.3	17.5	44.8
9.0	39.5	18.0	44.7
9.5	41.4		

COM-POWER AH826

HORN ANTENNA

S/N: 0071957

CALIBRATION DATE: NOVEMBER 5, 2003

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
18.0	32.3	22.5	32.9
18.5	32.9	23.0	33.0
19.0	32.7	23.5	33.6
19.5	32.6	24.0	33.6
20.0	32.7	24.5	33.5
20.5	33.0	25.0	33.5
21.0	33.0	25.5	33.7
21.5	33.2	26.0	34.1
22.0	32.9	26.5	34.5

COM-POWER AL-130**LOOP ANTENNA****S/N: 25310****CALIBRATION DATE: JUNE 4, 2003**

FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)
0.009	-41.2	10.3
0.01	-41.3	10.2
0.02	-42.3	9.2
0.05	-42.5	9.0
0.07	-42.3	9.2
0.1	-42.5	9.0
0.2	-44.6	6.9
0.3	-42.1	9.4
0.5	-42.4	9.1
0.7	-42.1	9.4
1	-41.5	10.0
2	-41.0	10.5
3	-41.3	10.2
4	-41.3	10.2
5	-40.9	10.6
10	-41.6	9.9
15	-42.1	9.4
20	-42.2	9.3
25	-42.7	8.8
30	-44.3	7.2



FRONT VIEW

INTERLINK ELECTRONICS
REMOTE POINT NAVIGATOR
MODEL: NAVIGATOR 2.4

FCC SUBPART B AND C - RADIATED EMISSIONS – 1-14-04 and 1-19-04

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**



REAR VIEW

INTERLINK ELECTRONICS
REMOTE POINT NAVIGATOR
MODEL: NAVIGATOR 2.4

FCC SUBPART B AND C - RADIATED EMISSIONS – 1-14-04 and 1-19-04

**PHOTOGRAPH SHOWING THE EUT CONFIGURATION
FOR MAXIMUM EMISSIONS**

Brea Division
114 Olinda Drive
Brea, CA 92823
(714) 579-0500

Agoura Division
2337 Troutdale Drive
Agoura, CA 91301
(818) 597-0600

Silverado Division
19121 El Toro Road
Silverado, CA 92676
(949) 589-0700

Lake Forest Division
20621 Pascal Way
Lake Forest, CA 92630
(949) 587-0400

APPENDIX E

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	Interlink Electronics	DATE	1/19/04
EUT	InFocus	DUTY CYCLE	12.28 %
MODEL	NAV 2.4	PEAK TO AVG	-18.2160327 dB
S/N	N/A	TEST DIST.	3 Meters
TEST ENGINEER	Ben Chavez	LAB	A

Frequency	Peak Reading	Average (A) or Quasi-Peak (QP)	Antenna Polar.	Antenna Height	EUT Azimuth	EUT Axis	EUT Tx	Antenna Factor	Cable Loss	Amplifier Gain	Distance Factor	Mixer Factor	*Corrected Reading	Delta **	Spec Limit		
MHz	(dBuV)		(V or H)	(meters)	(degrees)	(X,Y,Z)	Channel	(dB)	(dB)	(dB)	(dB)	(dB)	(dBuV/m)	(dB)	(dBuV/m)	Comments	
2403.0000	76.3	58.1	A	H	2.3	0	X	LOW	32.3	4.6	32.6	0.0	0.0	62.4	-31.6	94.0	
2403.0000	79.1	60.9	A	H	1.3	90	Y	LOW	32.3	4.6	32.6	0.0	0.0	65.2	-28.8	94.0	
2403.0000	82.4	64.2	A	H	1.3	270	Z	LOW	32.3	4.6	32.6	0.0	0.0	68.5	-25.5	94.0	
2403.0000	83.8	65.6	A	V	2.0	0	X	LOW	32.3	4.6	32.6	0.0	0.0	69.9	-24.1	94.0	
2403.0000	81.2	63.0	A	V	2.0	270	Y	LOW	32.3	4.6	32.6	0.0	0.0	67.3	-26.7	94.0	
2403.0000	78.8	60.6	A	V	2.0	270	Z	LOW	32.3	4.6	32.6	0.0	0.0	64.9	-29.1	94.0	
2440.0000	82.6	64.4	A	H	2.0	315	X	MED.	32.3	4.6	32.8	0.0	0.0	68.5	-25.5	94.0	
2440.0000	80.7	62.5	A	H	2.3	0	Y	MED.	32.3	4.6	32.8	0.0	0.0	66.6	-27.4	94.0	
2440.0000	83.1	64.9	A	H	2.3	270	Z	MED.	32.3	4.6	32.8	0.0	0.0	69.0	-25.0	94.0	
2440.0000	83.0	64.8	A	V	2.0	0	X	MED.	32.3	4.6	32.8	0.0	0.0	68.9	-25.1	94.0	
2440.0000	82.7	64.5	A	V	1.5	270	Y	MED.	32.3	4.6	32.8	0.0	0.0	68.6	-25.4	94.0	
2440.0000	76.9	58.7	A	V	1.5	180	Z	MED.	32.3	4.6	32.8	0.0	0.0	62.8	-31.2	94.0	
2480.0000	83.8	65.6	A	H	2.0	180	X	HIGH	32.3	4.7	33.1	0.0	0.0	69.5	-24.5	94.0	
2480.0000	84.6	66.4	A	H	2.0	270	Y	HIGH	32.3	4.7	33.1	0.0	0.0	70.3	-23.7	94.0	
2480.0000	84.7	66.5	A	H	2.0	270	Z	HIGH	32.3	4.7	33.1	0.0	0.0	70.4	-23.6	94.0	
2480.0000	88.5	70.3	A	V	2.0	0	X	HIGH	32.3	4.7	33.1	0.0	0.0	74.2	-19.8	94.0	
2480.0000	85.5	67.3	A	V	2.3	180	Y	HIGH	32.3	4.7	33.1	0.0	0.0	71.2	-22.8	94.0	
2480.0000	86.2	68.0	A	V	2.5	180	Z	HIGH	32.3	4.7	33.1	0.0	0.0	71.9	-22.1	94.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

PAGE 1 of PAGE 10

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	Interlink Electronics	DATE	1/19/04
EUT	InFocus	DUTY CYCLE	12.28 %
MODEL	NAV 2.4	PEAK TO AVG	-18.2160327 dB
S/N	N/A	TEST DIST.	3 Meters
TEST ENGINEER	Ben Chavez	LAB	A

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
4806.0000	50.6	32.4 A	H	2.0	0	X	LOW	33.2	6.9	34.4	0.0	0.0	38.1	-15.9	54.0	
4806.0000	48.9	30.7 A	H	2.3	90	Y	LOW	33.2	6.9	34.4	0.0	0.0	36.4	-17.6	54.0	
4806.0000	46.1	27.9 A	H	2.0	0	Z	LOW	33.2	6.9	34.4	0.0	0.0	33.6	-20.4	54.0	
4806.0000	52.4	34.2 A	V	2.0	0	X	LOW	33.2	6.9	34.4	0.0	0.0	39.9	-14.1	54.0	
4806.0000	50.3	32.1 A	V	2.0	0	Y	LOW	33.2	6.9	34.4	0.0	0.0	37.8	-16.2	54.0	
4806.0000	48.1	29.9 A	V	2.0	180	Z	LOW	33.2	6.9	34.4	0.0	0.0	35.6	-18.4	54.0	
4880.0000	56.1	37.9 A	H	2.0	315	X	MED.	33.4	7.0	34.3	0.0	0.0	44.0	-10.0	54.0	
4880.0000	60.1	41.9 A	H	2.0	180	Y	MED.	33.4	7.0	34.3	0.0	0.0	48.0	-6.0	54.0	
4880.0000	56.0	37.8 A	H	2.0	90	Z	MED.	33.4	7.0	34.3	0.0	0.0	43.9	-10.1	54.0	
4880.0000	55.4	37.2 A	V	2.0	0	X	MED.	33.4	7.0	34.3	0.0	0.0	43.3	-10.7	54.0	
4880.0000	54.6	36.4 A	V	1.5	270	Y	MED.	33.4	7.0	34.3	0.0	0.0	42.5	-11.5	54.0	
4880.0000	52.4	34.2 A	V	1.5	270	Z	MED.	33.4	7.0	34.3	0.0	0.0	40.3	-13.7	54.0	
4960.0000	58.9	40.7 A	H	2.0	90	X	HIGH	33.7	7.1	34.2	0.0	0.0	47.3	-6.7	54.0	
4960.0000	56.9	38.7 A	H	2.0	0	Y	HIGH	33.7	7.1	34.2	0.0	0.0	45.3	-8.7	54.0	
4960.0000	55.2	37.0 A	H	2.3	270	Z	HIGH	33.7	7.1	34.2	0.0	0.0	43.6	-10.4	54.0	
4960.0000	55.9	37.7 A	V	2.3	0	X	HIGH	33.7	7.1	34.2	0.0	0.0	44.3	-9.7	54.0	
4960.0000	54.3	36.1 A	V	1.5	90	Y	HIGH	33.7	7.1	34.2	0.0	0.0	42.7	-11.3	54.0	
4960.0000	54.0	35.8 A	V	2.3	90	Z	HIGH	33.7	7.1	34.2	0.0	0.0	42.4	-11.6	54.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

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RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	Interlink Electronics	DATE	1/19/04
EUT	InFocus	DUTY CYCLE	12.28 %
MODEL	NAV 2.4	PEAK TO AVG	-18.2160327 dB
S/N	N/A	TEST DIST.	3 Meters
TEST ENGINEER	Ben Chavez	LAB	A

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
7209.0000	49.5	31.3 A	H	1.5	0	X	LOW	41.2	7.7	32.8	0.0	0.0	47.3	-6.7	54.0	
7209.0000	41.9	23.7 A	H	2.3	90	Y	LOW	41.2	7.7	32.8	0.0	0.0	39.7	-14.3	54.0	
7209.0000	40.5	22.3 A	H	2.0	180	Z	LOW	41.2	7.7	32.8	0.0	0.0	38.3	-15.7	54.0	
7209.0000	43.8	25.6 A	V	1.8	0	X	LOW	41.2	7.7	32.8	0.0	0.0	41.6	-12.4	54.0	
7209.0000	44.2	26.0 A	V	1.5	270	Y	LOW	41.2	7.7	32.8	0.0	0.0	42.0	-12.0	54.0	
7209.0000	42.6	24.4 A	V	2.0	180	Z	LOW	41.2	7.7	32.8	0.0	0.0	40.4	-13.6	54.0	
7320.0000	49.3	31.1 A	H	1.5	270	X	MED.	40.5	8.2	32.7	0.0	0.0	47.1	-6.9	54.0	
7320.0000	43.1	24.9 A	H	1.8	180	Y	MED.	40.5	8.2	32.7	0.0	0.0	40.9	-13.1	54.0	
7320.0000	41.9	23.7 A	H	2.0	0	Z	MED.	40.5	8.2	32.7	0.0	0.0	39.7	-14.3	54.0	
7320.0000	39.5	21.3 A	V	2.0	270	X	MED.	40.5	8.2	32.7	0.0	0.0	37.3	-16.7	54.0	
7320.0000	40.2	22.0 A	V	2.0	180	Y	MED.	40.5	8.2	32.7	0.0	0.0	38.0	-16.0	54.0	
7320.0000	44.9	26.7 A	V	1.5	90	Z	MED.	40.5	8.2	32.7	0.0	0.0	42.7	-11.3	54.0	
7440.0000	36.9	18.7 A	H	2.0	180	X	HIGH	39.8	8.9	32.6	0.0	0.0	34.8	-19.2	54.0	
7440.0000	37.5	19.3 A	H	1.5	270	Y	HIGH	39.8	8.9	32.6	0.0	0.0	35.4	-18.6	54.0	
7440.0000	36.3	18.1 A	H	2.0	0	Z	HIGH	39.8	8.9	32.6	0.0	0.0	34.2	-19.8	54.0	
7440.0000	37.8	19.6 A	V	1.5	270	X	HIGH	39.8	8.9	32.6	0.0	0.0	35.7	-18.3	54.0	
7440.0000	37.0	18.8 A	V	1.5	270	Y	HIGH	39.8	8.9	32.6	0.0	0.0	34.9	-19.1	54.0	
7440.0000	36.5	18.3 A	V	1.5	270	Z	HIGH	39.8	8.9	32.6	0.0	0.0	34.4	-19.6	54.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

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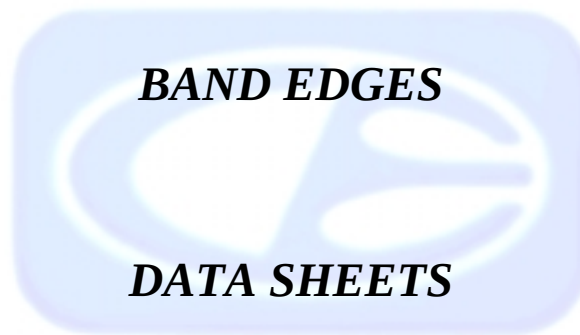
Test Location : Compatible Electronics **Page** : 1/1
Customer : INTERLINK ELECTRONICS **Date** : 1/19/2004
Manufacturer : INTERLINK ELECTRONICS **Time** : 22:18:34
Eut name : REMOTE POINT NAVIGATOR **Lab** : A
Model : NAVIGATOR 2.4 **Test Distance** : 3.0
Serial # :
Specification : FCC Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : TEST RANGE 10 kHz - 1000 MHz
VERTICAL AND HORIZONTAL POLARIZATIONS
EUT TESTED IN X-AXIS (WORST CASE)
TESTED BY: BENIGNO CHAVEZ

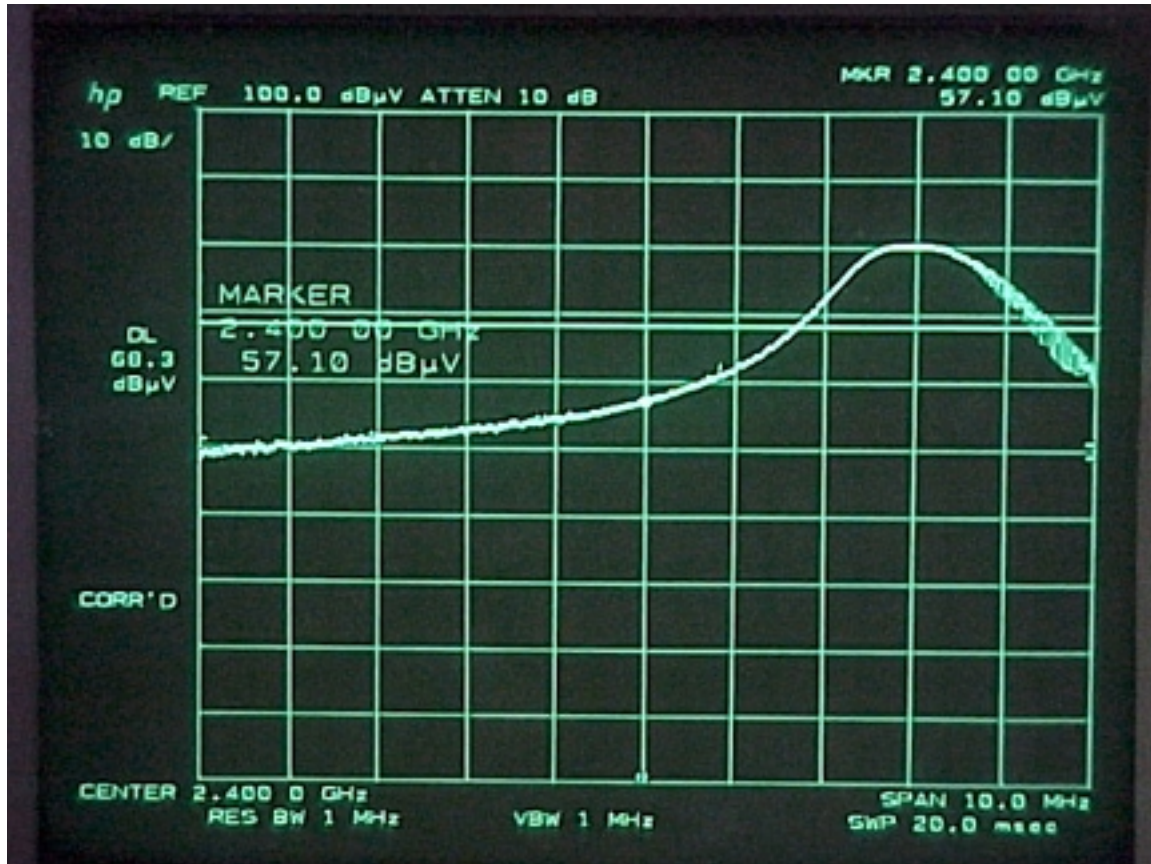
Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L dB
1V	30.030	54.20	0.90	11.19	33.50	32.80	40.00	-7.20
2H	30.170	49.70	0.90	11.17	33.50	28.27	40.00	-11.73
3H	300.081	42.00	2.90	12.70	33.50	24.10	46.00	-21.90
4H	398.919	38.90	3.49	15.37	33.50	24.27	46.00	-21.73
5H	854.111	41.80	5.01	21.36	33.50	34.66	46.00	-11.34
6V	300.068	44.70	2.90	12.70	33.50	26.80	46.00	-19.20
7V	400.033	37.90	3.50	15.40	33.50	23.30	46.00	-22.70
8V	854.087	44.20	5.01	21.36	33.50	37.06	46.00	-8.94

Test Location : Compatible Electronics
Customer : INTERLINK ELECTRONICS
Manufacturer : INTERLINK ELECTRONICS
Eut name : REMOTE POINT NAVIGATOR
Model : NAVIGATOR 2.4
Serial # :
Specification : FCC Class B
Distance correction factor (20 * log(test/spec)) : 0.00
Test Mode : TEST RANGE 1 - 25 GHZ
VERTICAL AND HORIZONTAL POLARIZATIONS
EUT TESTED IN X-AXIS (WORST CASE)
TESTED BY: BENIGNO CHAVEZ

Page : 1/1
Date : 1/19/2004
Time : 21:47:40
Lab : A
Test Distance : 3.0

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	Limit = L dBuV/m	Delta R-L dB
1H	2330.990	44.80	4.50	32.33	32.20	49.44	54.00	-4.56
2H	1060.970	42.90	2.69	26.98	33.56	39.00	54.00	-15.00
3V	1096.850	42.50	2.79	27.19	33.60	38.89	54.00	-15.11
4V	1883.830	44.10	4.96	31.73	31.42	49.38	54.00	-4.62
5V	2334.660	43.30	4.51	32.33	32.22	47.92	54.00	-6.08





INTERLINK ELECTRONICS
REMOTE POINT NAVIGATOR
MODEL: NAVIGATOR 2.4
FCC SUBPART C – BAND EDGES – 1-14-04

PHOTOGRAPH SHOWING THE LOW BAND EDGE



INTERLINK ELECTRONICS
REMOTE POINT NAVIGATOR
MODEL: NAVIGATOR 2.4
FCC SUBPART C – BAND EDGES – 1-14-04

PHOTOGRAPH SHOWING THE HIGH BAND EDGE

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.249)

COMPANY	Interlink Electronics	DATE	1/14/04
EUT	Remote Point Navigator	DUTY CYCLE	11.3 %
MODEL	Navigator 2.4	PEAK TO AVG	-18.9384311 dB
S/N	N/A	TEST DIST.	3 Meters
TEST ENGINEER	Kirit Ramani	LAB	A

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	Distance Factor (dB)	Mixer Factor (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2400.0000	57.1	38.2 A	V					32.3	4.6	32.6	0.0	0.0	42.5	-11.5	54.0	
2483.5000	55.9	37.0 A	V					32.3	4.7	33.1	0.0	0.0	40.9	-13.1	54.0	

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 ** DELTA = SPEC LIMIT - CORRECTED READING