

RADIATED EMISSIONS

DATA SHEETS

Test Location : Compatible Electronics
Customer : Navcom Technology, Inc.
Manufacturer : Navcom Technology, Inc.
Eut name : Network Radio
Model : SR7100
Serial # : N/A
Specification : FCC Class B
Distance correction factor ($20 * \log(\text{test}/\text{spec})$) : 0.00
Test Mode : Spurious Emissions - 10 kHz to 24500 MHz
Vertical Polarization
Temp. 80 Degrees F., Relative Humidity 35%
Tested By: Kyle Fujimoto

Page : 1/1
Date : 11/22/2002
Time : 8:51:57
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
V	42.201	54.20	0.72	12.35	35.42	31.85	40.00	-8.15
V	57.016	48.90	0.80	12.16	35.50	26.36	40.00	-13.64
V	70.612	58.70	1.01	8.00	35.51	32.20	40.00	-7.80
V	73.788	58.40	1.04	7.47	35.54	31.37	40.00	-8.63
V	96.862	57.30	1.17	10.83	35.80	33.49	43.50	-10.01
V	109.958	42.30	1.29	12.81	35.71	20.68	43.50	-22.82
V	120.098	49.30	1.36	14.08	35.64	29.11	43.50	-14.39
V	121.714	52.40	1.38	13.79	35.62	31.94	43.50	-11.56
V	139.313	51.50	1.40	12.24	35.42	29.72	43.50	-13.78
V	170.057	44.50	1.48	14.93	35.06	25.85	43.50	-17.65
V	200.341	41.40	1.70	16.70	35.10	24.70	43.50	-18.80
V	241.962	49.30	1.87	16.53	35.24	32.46	46.00	-13.54
V	267.036	57.50	1.97	17.51	35.30	41.68	46.00	-4.32
V	360.333	37.30	2.40	15.04	34.72	20.02	46.00	-25.98
V	387.086	48.50	2.40	15.29	34.78	31.41	46.00	-14.59
V	435.494	48.40	2.62	15.86	34.73	32.15	46.00	-13.85

Test Location	: Compatible Electronics	Page	: 1/1
Customer	: Navcom Technology, Inc.	Date	: 11/22/2002
Manufacturer	: Navcom Technology, Inc.	Time	: 9:28:10
Eut name	: Network Radio	Lab	: A
Model	: SR7100	Test Distance	: 3.0
Serial #	: N/A		
Specification	: FCC Class B		
Distance correction factor (20 * log(test/spec)			: 0.00
Test Mode	: Spurious Emissions - 10 kHz to 24500 MHz		
	Vertical Polarization		
	Temp. 80 Degrees F., Relative Humidity 35%		
	Tested By: Kyle Fujimoto		

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
H	69.192	43.90	0.98	8.40	35.50	17.79	40.00	-22.21
H	76.392	51.80	1.07	7.05	35.57	24.35	40.00	-15.65
H	96.866	55.10	1.17	10.83	35.80	31.30	43.50	-12.20
H	97.766	41.80	1.18	10.99	35.80	18.17	43.50	-25.33
H	145.205	46.00	1.40	12.09	35.35	24.14	43.50	-19.36
H	181.236	47.80	1.55	16.33	35.03	30.65	43.50	-12.85
H	240.130	54.00	1.86	16.54	35.22	37.17	46.00	-8.83
H	242.006	53.10	1.87	16.53	35.24	36.26	46.00	-9.74
H	338.750	46.90	2.36	14.82	34.74	29.34	46.00	-16.66
H	387.105	51.10	2.40	15.29	34.78	34.01	46.00	-11.99
H	435.488	61.90	2.62	15.86	34.73	45.65	46.00	-0.35
H	435.488Qp	61.74	2.62	15.86	34.73	45.49	46.00	-0.51
H	483.887	40.50	2.84	16.42	34.15	25.61	46.00	-20.39
H	629.030	43.80	3.48	19.95	34.12	33.10	46.00	-12.90
H	629.047	45.10	3.48	19.95	34.12	34.40	46.00	-11.60
H	774.158	41.60	4.05	21.78	34.05	33.38	46.00	-12.62
H	822.554	40.40	4.24	22.39	33.91	33.12	46.00	-12.88

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	NAVCOM TECHNOLOGY, INC.	DATE	2/13/03
EUT	NETWORK RADIO - WITH 5.5 dBi ANTENNA	DUTY CYCLE	50 %
MODEL	SR7100	PEAK TO AVG	-6.02059991 dB
S/N	N/A	TEST DIST.	3 Meters
TEST ENGINEER	KYLE FUJIMOTO	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
2402.5000	104.1	101.4	A	H	1.0	270	LOW	32.3	4.5	31.9	0.0	0.0	106.3			Lowest Data Rate
2404.8000	103.3	98.5	A	H	1.0	180	LOW	32.3	4.4	31.9	0.0	0.0	103.3			Middle Data Rate
2408.6000	100.7	94.4	A	H	1.5	90	LOW	32.3	4.5	31.9	0.0	0.0	99.3			Highest Data Rate
2402.5000	119.5	115.2	A	V	1.0	180	LOW	32.3	4.5	31.9	0.0	0.0	120.1			Lowest Data Rate
2404.8000	119.5	114.1	A	V	1.0	180	LOW	32.3	4.4	31.9	0.0	0.0	118.9			Middle Data Rate
2408.6000	121.1	113.5	A	V	1.0	180	LOW	32.3	4.5	31.9	0.0	0.0	118.4			Highest Data Rate
2439.7000	104.8	97.3	A	H	2.0	90	MID	32.3	4.5	31.5	0.0	0.0	102.6			Highest Data Rate
2435.0700	102.8	93.6	A	H	1.0	90	MID	32.3	4.5	31.5	0.0	0.0	98.9			Middle Data Rate
2436.5000	104.2	98.9	A	H	1.0	90	MID	32.3	4.5	31.5	0.0	0.0	104.2			Lowest Data Rate
2439.7000	116.5	113.5	A	V	1.0	180	MID	32.3	4.5	31.5	0.0	0.0	118.8			Highest Data Rate
2435.0700	120.8	115.4	A	V	1.0	180	MID	32.3	4.5	31.5	0.0	0.0	120.7			Middle Data Rate
2436.5000	119.2	117.0	A	V	1.0	180	MID	32.3	4.5	31.5	0.0	0.0	122.3			Lowest Data Rate
2465.0000	111.3	103.9	A	H	1.0	90	HIGH	32.3	4.6	31.3	0.0	0.0	109.5			Highest Data Rate
2472.8000	108.5	103.5	A	H	1.0	270	HIGH	32.3	4.6	31.3	0.0	0.0	109.1			Middle Data Rate
2478.1000	104.3	102.5	A	H	1.0	180	HIGH	32.3	4.6	31.3	0.0	0.0	108.1			Lowest Data Rate
2465.0000	120.4	112.9	A	V	1.0	180	HIGH	32.3	4.6	31.3	0.0	0.0	118.4			Highest Data Rate
2472.8000	122.1	116.0	A	V	1.0	180	HIGH	32.3	4.6	31.3	0.0	0.0	121.6			Middle Data Rate
2478.1000	119.6	116.7	A	V	1.0	180	HIGH	32.3	4.6	31.3	0.0	0.0	122.3			Lowest Data Rate

* 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 15.247)

COMPANY	NAVCOM TECHNOLOGY, INC.	DATE	2/13/03
EUT	NETWORK RADIO - WITH 5.5 dBi ANTENNA	DUTY CYCLE	50 %
MODEL	SR7100	PEAK TO AVG	-6.02059991 dB
S/N	N/A	TEST DIST.	3 Meters
TEST ENGINEER	KYLE FUJIMOTO	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
4805.0000	45.7	38.6	A	H	1.0	180	LOW	33.2	6.3	32.5	0.0	0.0	45.6	-8.5	54.0	Lowest Data Rate
4809.6000	42.5	33.3	A	H	1.0	180	LOW	33.2	6.3	32.5	0.0	0.0	40.3	-13.7	54.0	Middle Data Rate
4817.2000	41.5	34.6	A	H	1.0	90	LOW	33.2	6.3	32.5	0.0	0.0	41.5	-12.5	54.0	Highest Data Rate
4805.0000	48.6	42.6	A	V	1.0	180	LOW	33.2	6.3	32.5	0.0	0.0	49.6	-4.4	54.0	Lowest Data Rate
4809.6000	41.9	30.3	A	V	1.0	180	LOW	33.2	6.3	32.5	0.0	0.0	37.2	-16.8	54.0	Middle Data Rate
4817.2000	35.5	25.9	A	V	1.0	180	LOW	33.2	6.3	32.5	0.0	0.0	32.9	-21.1	54.0	Highest Data Rate
4873.6000	41.5	34.6	A	V	1.0	180	MID	33.4	6.4	32.8	0.0	0.0	41.6	-12.4	54.0	Highest Data Rate
4870.1400	40.6	30.4	A	H	1.0	180	MID	33.4	6.4	32.8	0.0	0.0	37.4	-16.6	54.0	Middle Data Rate
4873.0000	42.5	34.3	A	H	1.0	90	MID	33.4	6.4	32.8	0.0	0.0	41.3	-12.7	54.0	Lowest Data Rate
4873.6000	39.0	32.5	A	V	1.0	180	MID	33.4	6.4	32.8	0.0	0.0	39.5	-14.5	54.0	Highest Data Rate
4870.1400	44.4	35.0	A	V	1.0	180	MID	33.4	6.4	32.8	0.0	0.0	42.0	-12.0	54.0	Middle Data Rate
4873.0000	46.5	37.8	A	V	1.0	180	MID	33.4	6.4	32.8	0.0	0.0	44.8	-9.2	54.0	Lowest Data Rate
4930.0000	42.7	33.1	A	H	1.0	180	HIGH	33.7	6.5	33.0	0.0	0.0	40.3	-13.7	54.0	Highest Data Rate
4945.6000	49.7	39.5	A	H	1.0	90	HIGH	33.7	6.5	33.0	0.0	0.0	46.7	-7.3	54.0	Middle Data Rate
4956.2000	41.7	33.7	A	H	1.0	90	HIGH	33.7	6.5	33.0	0.0	0.0	40.9	-13.1	54.0	Lowest Data Rate
4930.0000	46.6	34.6	A	V	1.0	270	HIGH	33.7	6.5	33.0	0.0	0.0	41.8	-12.2	54.0	Highest Data Rate
4945.6000	51.6	43.7	A	V	2.0	90	HIGH	33.7	6.5	33.0	0.0	0.0	50.9	-3.1	54.0	Middle Data Rate
4956.2000	49.6	43.3	A	V	1.0	90	HIGH	33.7	6.5	33.0	0.0	0.0	50.5	-3.5	54.0	Lowest Data Rate

* 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 15.247)

COMPANY	NAVCOM TECHNOLOGY, INC.	DATE	2/13/03
EUT	NETWORK RADIO - WITH 5.5 dBi ANTENNA	DUTY CYCLE	50 %
MODEL	SR7100	PEAK TO AVG	-6.02059991 dB
S/N	N/A	TEST DIST.	3 Meters
TEST ENGINEER	KYLE FUJIMOTO	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
7207.5000	35.8	29.3 A	H	1.0	180		LOW	41.2	10.2	31.9	0.0	0.0	48.9	-5.1	54.0	Lowest Data Rate
7214.4000	38.9	29.5 A	V	1.0	180		LOW	41.2	10.2	31.9	0.0	0.0	49.1	-4.9	54.0	Middle Data Rate
7225.8000	36.5	28.4 A	H	1.0	180		LOW	41.1	10.2	31.9	0.0	0.0	47.8	-6.2	54.0	Highest Data Rate
7207.5000	37.8	27.3 A	V	1.5	180		LOW	41.2	10.2	31.9	0.0	0.0	46.8	-7.2	54.0	Lowest Data Rate
7214.4000	35.4	27.2 A	V	1.0	180		LOW	41.2	10.2	31.9	0.0	0.0	46.8	-7.2	54.0	Middle Data Rate
7225.8000	38.1	26.6 A	V	1.5	90		LOW	41.1	10.2	31.9	0.0	0.0	46.0	-8.0	54.0	Highest Data Rate
7310.4000	37.8	28.1 A	H	1.0	180		MID	40.6	10.1	31.9	0.0	0.0	46.9	-7.1	54.0	Highest Data Rate
7305.2100	35.8	28.5 A	H	1.0	270		MID	40.6	10.1	31.9	0.0	0.0	47.3	-6.7	54.0	Middle Data Rate
7309.5000	38.4	28.9 A	H	1.0	180		MID	40.6	10.1	31.9	0.0	0.0	47.7	-6.3	54.0	Lowest Data Rate
7310.4000	36.0	27.3 A	V	1.0	270		MID	40.6	10.1	31.9	0.0	0.0	46.1	-7.9	54.0	Highest Data Rate
7305.2100	35.4	29.0 A	V	1.0	180		MID	40.6	10.1	31.9	0.0	0.0	47.8	-6.2	54.0	Middle Data Rate
7309.5000	38.4	28.9 A	V	1.0	180		MID	40.6	10.1	31.9	0.0	0.0	47.7	-6.3	54.0	Lowest Data Rate
7395.0000	39.4	29.0 A	H	1.0	270		HIGH	40.1	10.0	32.0	0.0	0.0	47.0	-7.0	54.0	Highest Data Rate
7418.4000	37.0	31.6 A	H	1.0	90		HIGH	40.0	9.9	32.0	0.0	0.0	49.5	-4.5	54.0	Middle Data Rate
7434.2000	37.6	29.9 A	H	1.0	180		HIGH	39.9	9.9	32.0	0.0	0.0	47.7	-6.3	54.0	Lowest Data Rate
7395.0000	38.6	29.0 A	V	1.0	270		HIGH	40.1	10.0	32.0	0.0	0.0	47.0	-7.0	54.0	Highest Data Rate
7418.4000	35.8	29.2 A	V	1.0	180		HIGH	40.0	9.9	32.0	0.0	0.0	47.1	-6.9	54.0	Middle Data Rate
7434.2000	37.0	29.5 A	V	1.0	180		HIGH	39.9	9.9	32.0	0.0	0.0	47.3	-6.7	54.0	Lowest Data Rate

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

No Emissions Nor Harmonics Found
 After the 3rd Harmonic

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RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	NAVCOM TECHNOLOGY, INC.	DATE	2/13/03
EUT	NETWORK RADIO WITH STUB ANTENNA	DUTY CYCLE	50 %
MODEL	SR7100	PEAK TO AVG	-6.02059991 dB
S/N	N/A	TEST DIST.	3 Meters
TEST ENGINEER	KYLE FUJIMOTO	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
2402.5000	104.2	102.2	A	H	1.0	270	LOW	32.3	4.5	31.9	0.0	0.0	107.1			Lowest Data Rate
2404.8300	105.9	101.3	A	H	1.0	90	LOW	32.3	4.4	31.9	0.0	0.0	106.2			Middle Data Rate
2408.6000	101.7	94.1	A	H	1.0	180	LOW	32.3	4.5	31.9	0.0	0.0	99.0			Highest Data Rate
2402.5000	115.4	112.8	A	V	1.5	180	LOW	32.3	4.5	31.9	0.0	0.0	117.7			Lowest Data Rate
2404.8300	114.7	110.3	A	V	2.0	180	LOW	32.3	4.4	31.9	0.0	0.0	115.1			Middle Data Rate
2408.6000	112.7	105.1	A	V	1.0	180	LOW	32.3	4.5	31.9	0.0	0.0	110.0			Highest Data Rate
2436.8000	100.3	91.3	A	H	2.0	180	MID	32.3	4.5	31.5	0.0	0.0	96.6			Highest Data Rate
2435.0700	103.2	96.7	A	H	1.0	180	MID	32.3	4.5	31.5	0.0	0.0	102.0			Middle Data Rate
2436.5000	103.6	101.3	A	H	1.0	180	MID	32.3	4.5	31.5	0.0	0.0	106.6			Lowest Data Rate
2436.8000	110.8	102.3	A	V	2.0	180	MID	32.3	4.5	31.5	0.0	0.0	107.6			Highest Data Rate
2435.0700	110.7	105.6	A	V	2.0	0	MID	32.3	4.5	31.5	0.0	0.0	110.9			Middle Data Rate
2436.5000	115.5	113.4	A	V	1.0	180	MID	32.3	4.5	31.5	0.0	0.0	118.7			Lowest Data Rate
2463.0400	104.2	91.8	A	H	1.0	270	HIGH	32.3	4.6	31.3	0.0	0.0	97.4			Highest Data Rate
2472.8000	106.9	102.1	A	H	1.0	90	HIGH	32.3	4.6	31.3	0.0	0.0	107.7			Middle Data Rate
2478.1000	103.6	97.8	A	H	1.0	180	HIGH	32.3	4.6	31.3	0.0	0.0	103.4			Lowest Data Rate
2463.0400	112.4	101.4	A	V	1.0	180	HIGH	32.3	4.6	31.3	0.0	0.0	107.0			Highest Data Rate
2472.8000	113.7	108.8	A	V	1.0	180	HIGH	32.3	4.6	31.3	0.0	0.0	114.4			Middle Data Rate
2478.1000	115.0	113.0	A	V	1.0	180	HIGH	32.3	4.6	31.3	0.0	0.0	118.6			Lowest Data Rate

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

** DELTA = SPEC LIMIT - CORRECTED READING

PAGE 1 of PAGE 3

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	NAVCOM TECHNOLOGY, INC.	DATE	2/13/03
EUT	NETWORK RADIO WITH STUB ANTENNA	DUTY CYCLE	50 %
MODEL	SR7100	PEAK TO AVG	-6.02059991 dB
S/N	N/A	TEST DIST.	3 Meters
TEST ENGINEER	KYLE FUJIMOTO	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
4805.0000	46.2	40.3 A	H	1.0	180		LOW	33.2	6.3	32.5	0.0	0.0	47.3	-6.7	54.0	Lowest Data Rate
4809.6600	43.6	34.7 A	H	2.0	180		LOW	33.2	6.3	32.5	0.0	0.0	41.6	-12.4	54.0	Middle Data Rate
4817.2000	34.9	25.9 A	H	1.0	180		LOW	33.2	6.3	32.5	0.0	0.0	32.8	-21.2	54.0	Highest Data Rate
4805.0000	48.6	42.7 A	V	1.0	180		LOW	33.2	6.3	32.5	0.0	0.0	49.7	-4.3	54.0	Lowest Data Rate
4809.6600	44.0	33.8 A	V	1.0	180		LOW	33.2	6.3	32.5	0.0	0.0	40.7	-13.3	54.0	Middle Data Rate
4817.2000	44.5	36.5 A	V	1.0	180		LOW	33.2	6.3	32.5	0.0	0.0	43.5	-10.5	54.0	Highest Data Rate
4873.6000	34.3	25.2 A	H	1.0	180		MID	33.4	6.4	32.8	0.0	0.0	32.2	-21.8	54.0	Highest Data Rate
4870.1400	36.7	26.8 A	H	1.0	180		MID	33.4	6.4	32.8	0.0	0.0	33.8	-20.2	54.0	Middle Data Rate
4873.0000	37.1	26.5 A	H	1.0	90		MID	33.4	6.4	32.8	0.0	0.0	33.5	-20.5	54.0	Lowest Data Rate
4873.6000	34.8	24.6 A	V	1.0	180		MID	33.4	6.4	32.8	0.0	0.0	31.6	-22.4	54.0	Highest Data Rate
4870.1400	38.4	28.7 A	V	1.0	180		MID	33.4	6.4	32.8	0.0	0.0	35.7	-18.3	54.0	Middle Data Rate
4873.0000	40.0	29.5 A	V	1.0	90		MID	33.4	6.4	32.8	0.0	0.0	36.5	-17.5	54.0	Lowest Data Rate
4926.0800	35.3	25.9 A	H	1.0	270		HIGH	33.7	6.5	33.0	0.0	0.0	33.1	-20.9	54.0	Highest Data Rate
4945.6000	33.7	26.9 A	H	1.0	180		HIGH	33.7	6.5	33.0	0.0	0.0	34.1	-19.9	54.0	Middle Data Rate
4956.2000	36.7	27.2 A	H	1.0	180		HIGH	33.7	6.5	33.0	0.0	0.0	34.4	-19.6	54.0	Lowest Data Rate
4926.0800	35.7	26.3 A	V	2.0	270		HIGH	33.7	6.5	33.0	0.0	0.0	33.5	-20.5	54.0	Highest Data Rate
4945.6000	36.4	28.2 A	V	1.0	180		HIGH	33.7	6.5	33.0	0.0	0.0	35.4	-18.6	54.0	Middle Data Rate
4956.2000	41.3	31.5 A	V	2.0	180		HIGH	33.7	6.5	33.0	0.0	0.0	38.7	-15.3	54.0	Lowest Data Rate

* 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 15.247)

COMPANY	NAVCOM TECHNOLOGY, INC.	DATE	2/13/03
EUT	NETWORK RADIO WITH STUB ANTENNA	DUTY CYCLE	50 %
MODEL	SR7100	PEAK TO AVG	-6.02059991 dB
S/N	N/A	TEST DIST.	3 Meters
TEST ENGINEER	KYLE FUJIMOTO	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
7207.5000	35.6	29.7 A	H	1.0	180		LOW	41.2	10.2	31.9	0.0	0.0	49.2	-4.8	54.0	Lowest Data Rate
7214.4900	37.7	30.0 A	H	1.0	270		LOW	41.2	10.2	31.9	0.0	0.0	49.6	-4.4	54.0	Middle Data Rate
7225.8000	37.0	26.8 A	H	1.0	180		LOW	41.1	10.2	31.9	0.0	0.0	46.2	-7.8	54.0	Highest Data Rate
7207.5000	38.1	29.6 A	V	1.0	180		LOW	41.2	10.2	31.9	0.0	0.0	49.2	-4.8	54.0	Lowest Data Rate
7214.4900	41.8	31.7 A	V	1.0	180		LOW	41.2	10.2	31.9	0.0	0.0	51.3	-2.7	54.0	Middle Data Rate
7225.8000	37.7	26.6 A	V	1.5	90		LOW	41.1	10.2	31.9	0.0	0.0	46.0	-8.0	54.0	Highest Data Rate
7310.4000	35.4	26.4 A	H	1.5	90		MID	40.6	10.1	31.9	0.0	0.0	45.2	-8.8	54.0	Highest Data Rate
7305.2100	38.6	28.5 A	H	1.0	90		MID	40.6	10.1	31.9	0.0	0.0	47.3	-6.7	54.0	Middle Data Rate
7309.5000	37.4	28.3 A	H	1.0	180		MID	40.6	10.1	31.9	0.0	0.0	47.1	-6.9	54.0	Lowest Data Rate
7310.4000	33.6	26.2 A	V	1.0	180		MID	40.6	10.1	31.9	0.0	0.0	45.0	-9.0	54.0	Highest Data Rate
7305.2100	39.3	28.7 A	V	1.0	180		MID	40.6	10.1	31.9	0.0	0.0	47.5	-6.5	54.0	Middle Data Rate
7309.5000	38.1	28.4 A	V	1.0	180		MID	40.6	10.1	31.9	0.0	0.0	47.2	-6.8	54.0	Lowest Data Rate
7389.1200	35.7	28.3 A	H	1.0	270		HIGH	40.1	10.0	32.0	0.0	0.0	46.4	-7.6	54.0	Highest Data Rate
7418.4000	39.2	29.6 A	H	1.0	180		HIGH	40.0	9.9	32.0	0.0	0.0	47.5	-6.5	54.0	Middle Data Rate
7434.2000	39.6	30.2 A	H	1.0	180		HIGH	39.9	9.9	32.0	0.0	0.0	48.1	-5.9	54.0	Lowest Data Rate
7389.1200	39.3	28.0 A	V	1.0	270		HIGH	40.1	10.0	32.0	0.0	0.0	46.1	-7.9	54.0	Highest Data Rate
7418.4000	38.9	29.6 A	V	1.0	180		HIGH	40.0	9.9	32.0	0.0	0.0	47.5	-6.5	54.0	Middle Data Rate
7434.2000	38.6	30.3 A	V	1.0	180		HIGH	39.9	9.9	32.0	0.0	0.0	48.1	-5.9	54.0	Lowest Data Rate

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

No Emissions Nor Harmonics Found
 After the 3rd Harmonic

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