FCC PART 15, SUBPART C
TEST REPORT

for

LINX RF TRANSCEIVER

Model: TR-900-MC-PA

Prepared for

LINX TECHNOLOGIES
575 SE ASHLEY PLACE
GRANTS PASS, OR 97526

Prepared by: _____

KYLE FUJIMOTO

Approved by: _____

SCOTT McCUTCHAN

COMPATIBLE ELECTRONICS INC.
114 OLINDA DRIVE
BREA, CALIFORNIA 92823
(714) 579-0500

DATE: OCTOBER 16, 2000

	REPORT BODY	APPENDICES				TOTAL
		A	*B*	*C*	*D*	
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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 in any form unless done so in full with the written permission of Compatible Electronics.

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

Device Tested: Linx RF Transceiver
Model: TR-900-MC-PA
S/N: 3

Product Description: See Expository Statement.

Modifications: The EUT was modified during the testing. Please see the list located in Appendix A.

Manufacturer: Linx Technologies
575 SE Ashley Place
Grants Pass, OR 97526

Test Dates: September 28 and October 2, 2000

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

Test Procedure: ANSI C63.4: 1992

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

SUMMARY OF TEST RESULTS

TEST	DESCRIPTION	RESULTS
1	Conducted RF Emissions, 450 kHz - 30 MHz	This test was not performed because the EUT is powered by a nine volt battery.
2	Radiated RF Emissions, 10 kHz - 9300 MHz	Complies with the limits of CFR Title 47, Part 15, 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 Linx RF Transceiver Model: TR-900-MC-PA. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4: 1992. 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 specification limits defined by CFR Title 47, Part 15, 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

Linx Technologies

Paul True	President

Compatible Electronics Inc.

Kyle Fujimoto	Test Engineer
Scott McCutchan	Lab Manager

2.4 Date Test Sample was Received

The test sample was received on September 28, 2000.

2.5 Disposition of the Test Sample

The test sample has not been returned to Linx Technologies as of October 16, 2000.

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, Subpart C.	FCC Rules – Radio frequency devices (including digital devices) – Intentional Radiators
ANSI C63.4 1992	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

Specifics of the EUT and Peripherals Tested

The Linx RF Transceiver Model: TR-900-MC-PA (EUT) was tested as a stand alone unit. The EUT is powered by a nine volt battery. The EUT was mounted on a PCB that provided the power and data input/output lines to the module. The EUT was tested in three orthogonal axis. The EUT was continuously transmitting when the DIP switch on the mounting device was set to transmit. The EUT was continuously receiving when the DIP switch on the mounting was set to receive. The antennas used for the EUT both have reverse polarity SMA connectors. The connector on the module is also reverse polarity SMA.

Note #1: The middle channel was tested at 909.4 MHz because this was the worst case in the middle range. The low channel (902.5 MHz) and high channel (927.5 MHz) was also tested.

Note #2: For the band edges, the CW Series Quarter Wave antenna was used because this gave the worst case emission readings at the low and high channels.

Note #3: The EUT was investigated in both transmitting and receiving modes separately. Five different antennas were used:

1. HD Series Reduced Height (HD)
2. CW Series Quarter Wave (CW-QW)
3. RCS Ultra-Compact Right Angle (RCS)
4. RCL Compact Right Angle (RCL)
5. RH Series Reduced Height (RS)

The final radiated data was taken in both the transmitting and receiving modes using all of the above antennas. Complete data for each mode was taken with both antennas. Please see Appendix D for the data sheets.

4.1.1 Cable Construction and Termination

There are no external cables on the EUT.

5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT

5.1 EUT and Accessory List

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC ID
LINX RF TRANSCEIVER (EUT)	LINX TECHNOLOGIES	TR-900-MC-PA	N/A	**OJM-TR-900-MC**
PCB	N/A	N/A	N/A	**N/A**

5.2 EMI Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CAL. DATE	CAL. DUE DATE
Spectrum Analyzer	Hewlett Packard	8566B	3701A22262	June 24, 2000	June 24, 2001
Preamplifier	Com Power	PA-102	1017	Jan. 11, 2000	Jan. 11, 2001
Quasi-Peak Adapter	Hewlett Packard	85650A	2811A01363	June 24, 2000	June 24, 2001
Biconical Antenna	Com Power	AB-100	1548	Oct. 14, 1999	Oct. 14, 2000
Log Periodic Antenna	Com Power	AL-100	16089	Apr. 29, 2000	Apr. 29, 2001
Turntable	Com Power	TT-100	N/A	N/A	N/A
Computer	Hewlett Packard	HP98561A	2522A05178	N/A	N/A
Printer	Hewlett Packard	2225A	2925S33268	N/A	N/A
Plotter	Hewlett Packard	7440A	8726K38417	N/A	N/A
Microwave Preamplifier	Com-Power	PA-122	25195	Jan. 13, 2000	Jan. 13, 2001
Horn Antenna	Antenna Research	DRG-118/A	1053	Dec. 8, 1995	N/A
Loop Antenna	Com-Power	AL-130	25309	May 25, 2000	May 25, 2001

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-102 was used for frequencies from 30 MHz to 1 GHz, and the Com Power Microwave Preamplifier Model: PA-122 was used for frequencies above 1 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.

For the peak readings below 1000 MHz that were within 3 dB of the spec limit or higher, the quasi-peak adapter was used.

For the peak readings above 1000 MHz that were within 3dB of the spec limit or higher, the readings were averaged manually by narrowing the video filter down to 10 Hz and slowing the sweep time to keep the amplitude reading calibrated.

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 9.3 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: 1992. 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 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 D.

7.2 Band Edge Plots of the Low and High Channels

Spectral plots of both the low and high channels were taken of the EUT to show that the emissions at the band edges (902 and 928 MHz) were attenuated by at least 50 dB below the level of the fundamental or to the general radiated emissions limits in FCC Title 47, Subpart C, section 15.209, whichever is the lesser attenuation. A preamplifier was used to boost the signal level at the band edges for easier comparison to the spec limit. The spectral plots and data sheets are located in Appendix D.

Note: The spectral plots were taken with the CW-QW antenna because this antenna had the highest field strength readings for the high and low channel of the fundamental.

8. CONCLUSIONS

The Linx RF Transceiver Model: TR-900-MC-PA meets all of the specification limits defined in CFR Title 47, Part 15, Subpart C, sections 15.205, 15.209, and 15.249.

APPENDIX A

MODIFICATIONS TO THE EUT

MODIFICATIONS TO THE EUT

The modifications listed below were made to the EUT to pass FCC 15.249 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.

1) Change R2 to 1000 ohms

APPENDIX B

ADDITIONAL MODELS COVERED UNDER THIS REPORT

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST	Linx RF Transceiver Model: TR-900-MC-PA S/N: N/A

There were no additional models covered under this report.

APPENDIX C

DIAGRAMS, CHARTS AND PHOTOS

FIGURE 1: CONDUCTED EMISSIONS TEST SETUP

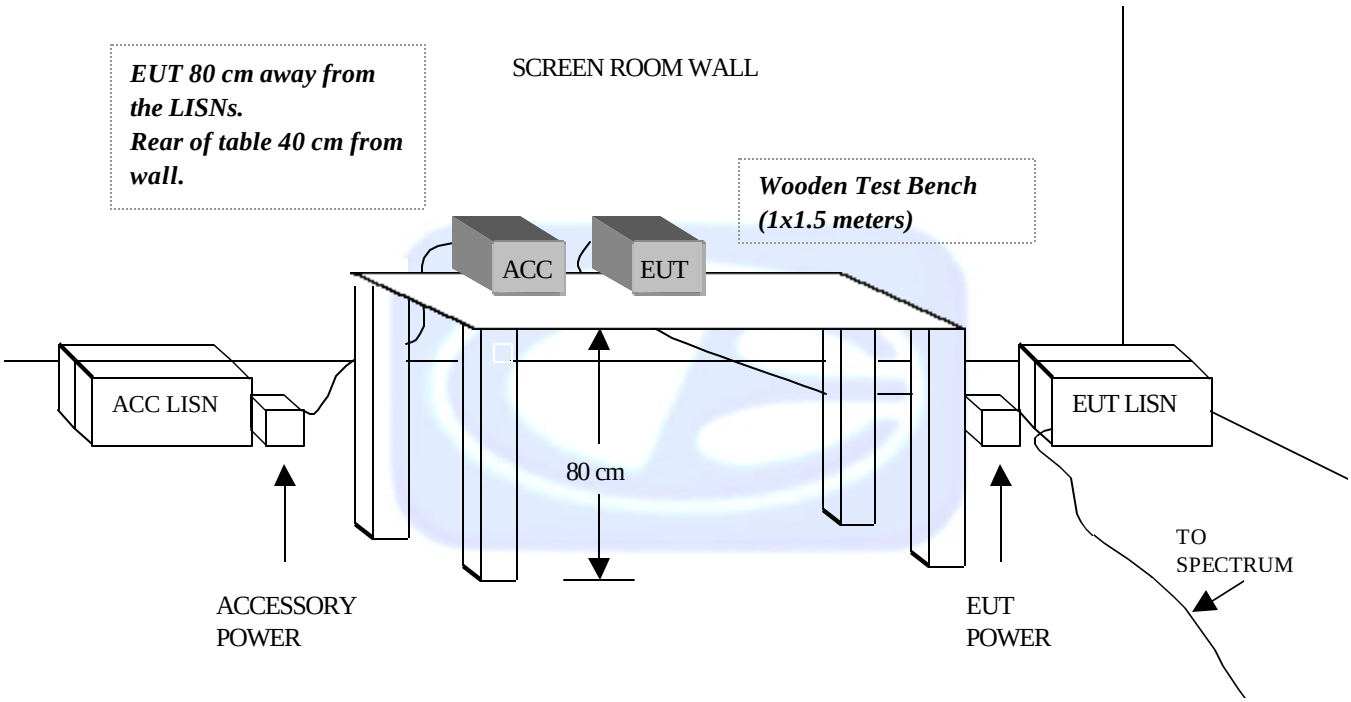
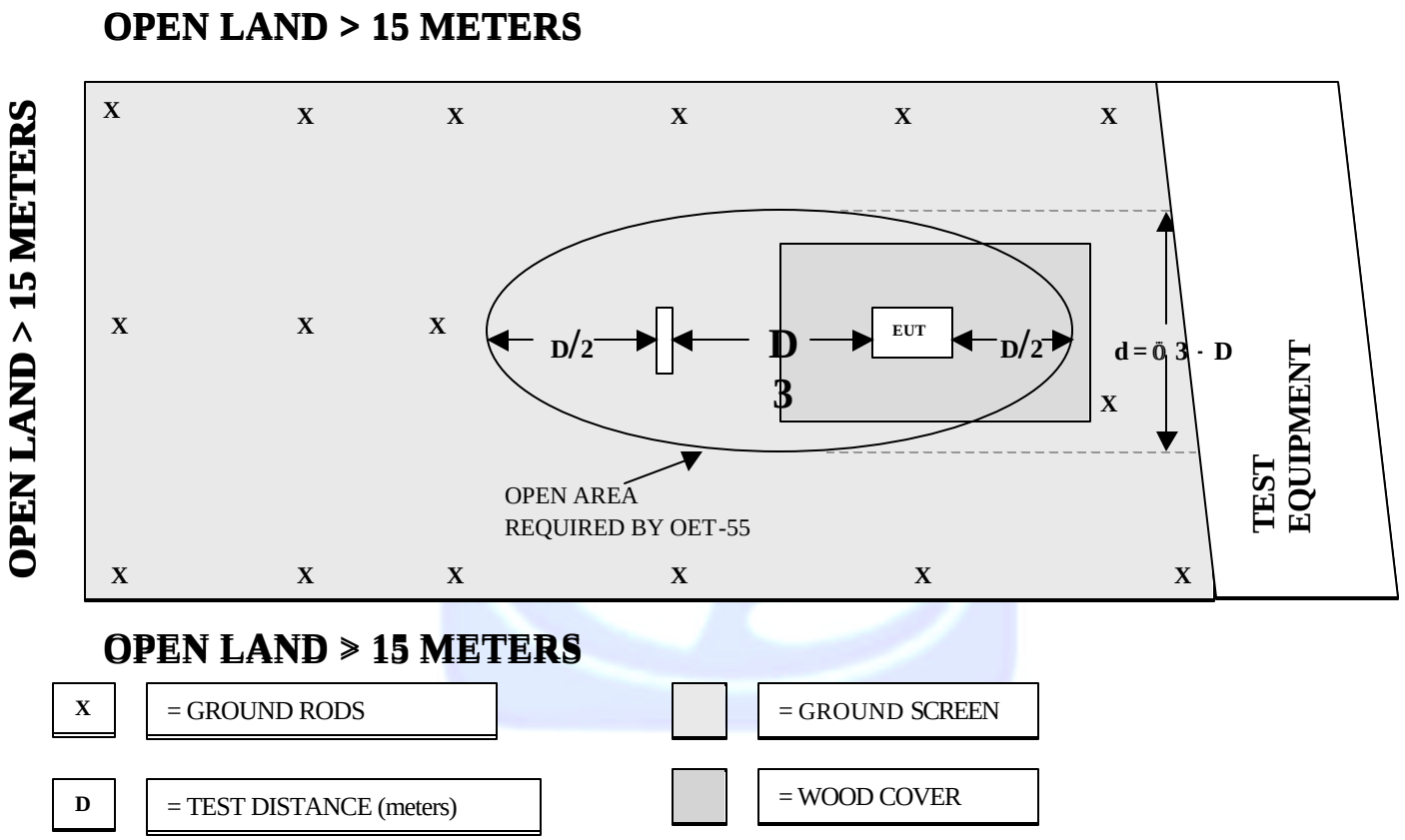


FIGURE 2: PLOT MAP AND LAYOUT OF RADIATED SITE



FRONT VIEW

LINX TECHNOLOGIES
LINX RF TRANSCEIVER
MODEL: TR-900-MC-PA
FCC SUBPART C - RADIATED EMISSIONS – 9-28-00 AND 10-02-00

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

REAR VIEW

LINX TECHNOLOGIES
LINX RF TRANSCEIVER
MODEL: TR-900-MC-PA
FCC SUBPART C - RADIATED EMISSIONS – 9-28-00 AND 10-02-00

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

COM-POWER AB-100

BICONICAL ANTENNA

S/N: 01548

CALIBRATION DATE: OCTOBER 14, 1999

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	14.86	125	13.01
40	12.96	150	12.25
50	12.68	175	14.07
60	11.72	200	15.95
70	11.34	225	16.44
80	10.22	250	16.27
90	10.03	275	19.83
100	10.74	300	22.21

COM-POWER AL-100

LOG PERIODIC ANTENNA

S/N: 16089

CALIBRATION DATE: APRIL 29, 2000

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
300	14.06	700	19.74
400	15.51	800	22.67
500	17.13	900	23.23
600	16.32	1000	24.49

COM-POWER PA-102

PREAMPLIFIER

S/N: 1017

CALIBRATION DATE: JANUARY 11, 2000

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	38.3	300	38.6
40	38.6	350	38.6
50	38.7	400	38.6
60	38.8	450	38.1
70	38.9	500	37.9
80	38.8	550	39.2
90	38.6	600	38.3
100	38.6	650	38.4
125	38.8	700	38.3
150	38.8	750	38.2
175	38.7	800	37.7
200	38.8	850	37.5
225	38.6	900	37.5
250	38.6	950	37.7
275	38.5	1000	37.3

COM-POWER PA-122

MICROWAVE PREAMPLIFIER

S/N: 25195

CALIBRATION DATE: JANUARY 13, 2000

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	34.4	9.0	30.7
1.1	34.1	9.5	31.5
1.2	34.2	10.0	31.0
1.3	34.1	10.5	31.4
1.4	33.9	11.0	30.7
1.5	33.8	11.5	29.5
1.6	33.0	12.0	27.8
1.7	33.3	12.5	31.4
1.8	33.3	13.0	31.0
1.9	31.9	13.5	31.0
2.0	32.7	14.0	31.5
2.5	31.8	14.5	30.2
3.0	31.7	15.0	29.2
3.5	31.9	15.5	30.1
4.0	31.0	16.0	29.0
4.5	31.4	16.5	27.8
5.0	31.1	17.0	30.8
5.5	31.0	17.5	31.5
6.0	32.0	18.0	30.8
6.5	31.6		
7.0	32.3		
7.5	32.9		
8.0	32.1		
8.5	31.6		

ANTENNA RESEARCH ASSOCIATES, INC.
11317 Frederick Avenue, Beltsville, MD 20705

E-FIELD ANTENNA FACTOR CALIBRATION

E(dB V/m) = Vo(dB V) + AFE(dB/m)

Model number : DRG-118/A

Frequency GHz	AFE dB/m	Gain dBi
1	22.3	8.0
2	26.7	9.5
3	29.7	10.1
4	29.5	12.8
5	32.3	12.0
6	32.4	13.4
7	36.1	11.0
8	37.4	10.9
9	36.8	12.5
10	39.5	10.7
11	39.6	11.5
12	39.8	12.0
13	39.7	12.8
14	41.8	11.3
15	41.9	11.9
16	38.1	16.3
17	41.0	13.9
18	46.5	8.9

Serial number : 1053
Job number : 96-092
Remarks : 3 meter calibration
Standards : LPD-118/A, TE-1000

Temperature : 72° F
Humidity : 56 %
Traceability : A01887
Date : December 08, 1995

Calibrated By

Com-Power Corporation

(949) 587-9800

Antenna Calibration

Antenna Type:	Loop Antenna
Model:	AL-130
Serial Number:	25309
Calibration Date:	05/25/00

Frequency MHz	Magnetic (dB/m)	Electric dB/m
0.009	-41.0	10.5
0.01	-41.0	10.5
0.02	-41.9	9.6
0.05	-41.9	9.6
0.075	-41.8	9.7
0.1	-42.2	9.3
0.15	-42.2	9.3
0.25	-40.7	10.8
0.5	-42.1	9.4
0.75	-40.9	10.6
1	-41.3	10.2
2	-40.8	10.7
3	-41.1	10.4
4	-41.2	10.3
5	-40.7	10.8
10	-40.6	10.9
15	-42.0	9.5
20	-42.0	9.5
25	-42.9	8.6
30	-42.3	9.2

Trans. Antenna Height	2 meter
Receiving Antenna Height	2 meter

APPENDIX D

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS FOR THE TRANSMITTER PORTION

HD ANTENNA

114 OLINDA DRIVE, BREA, CALIFORNIA 92823 PHONE: (714) 579-0500 FAX: (714) 579-1850

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH HD ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
902.5000	64.5	63.9 QP	H	1.0	90	X	LOW	23.3	4.6	0.0	**91.8**	**-2.2**	**94.0**	
902.5000	52.0	QP	H	1.0	90	Y	LOW	23.3	4.6	0.0	**79.9**	**-14.1**	**94.0**	
902.5000	61.8	QP	H	1.0	0	Z	LOW	23.3	4.6	0.0	**89.7**	**-4.3**	**94.0**	
902.5000	59.8	QP	V	1.0	90	X	LOW	23.3	4.6	0.0	**87.7**	**-6.3**	**94.0**	
902.5000	63.2	62.4 QP	V	1.0	90	Y	LOW	23.3	4.6	0.0	**90.3**	**-3.7**	**94.0**	
902.5000	62.4	QP	V	1.0	0	Z	LOW	23.3	4.6	0.0	**90.3**	**-3.7**	**94.0**	
909.4000	63.5	62.4 QP	H	1.0	90	X	MED.	23.4	4.6	0.0	**90.4**	**-3.6**	**94.0**	
909.4000	54.8	QP	H	1.0	90	Y	MED.	23.4	4.6	0.0	**82.8**	**-11.2**	**94.0**	
909.4000	60.3	QP	H	1.0	90	Z	MED.	23.4	4.6	0.0	**88.3**	**-5.7**	**94.0**	
909.4000	53.0	QP	V	1.0	90	X	MED.	23.4	4.6	0.0	**81.0**	**-13.0**	**94.0**	
909.4000	64.9	64.2 QP	V	1.0	180	Y	MED.	23.4	4.6	0.0	**92.2**	**-1.8**	**94.0**	
909.4000	58.0	QP	V	1.0	90	Z	MED.	23.4	4.6	0.0	**86.0**	**-8.0**	**94.0**	
927.5000	64.0	63.5 QP	H	1.0	180	X	HIGH	23.5	4.6	0.0	**91.6**	**-2.4**	**94.0**	
927.5000	55.9	QP	H	1.0	180	Y	HIGH	23.5	4.6	0.0	**84.0**	**-10.0**	**94.0**	
927.5000	63.1	62.5 QP	H	1.0	180	Z	HIGH	23.5	4.6	0.0	**90.6**	**-3.4**	**94.0**	
927.5000	61.6	QP	V	1.0	90	X	HIGH	23.5	4.6	0.0	**89.7**	**-4.3**	**94.0**	
927.5000	61.5	QP	V	1.0	180	Y	HIGH	23.5	4.6	0.0	**89.6**	**-4.4**	**94.0**	
927.5000	59.8	QP	V	1.0	90	Z	HIGH	23.5	4.6	0.0	**87.9**	**-6.1**	**94.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH HD ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
1805.0000	43.6	A	H	1.0	90	X	LOW	24.5	3.5	33.3	**38.3**	**-15.7**	**54.0**	
1805.0000	44.0	A	H	1.0	90	Y	LOW	24.5	3.5	33.3	**38.7**	**-15.3**	**54.0**	
1805.0000	42.7	A	H	1.0	90	Z	LOW	24.5	3.5	33.3	**37.4**	**-16.6**	**54.0**	
1805.0000	43.0	A	V	1.0	90	X	LOW	24.5	3.5	33.3	**37.7**	**-16.3**	**54.0**	
1805.0000	45.4	A	V	1.0	270	Y	LOW	24.5	3.5	33.3	**40.1**	**-13.9**	**54.0**	
1805.0000	42.4	A	V	1.0	90	Z	LOW	24.5	3.5	33.3	**37.1**	**-16.9**	**54.0**	
1818.8000	43.3	A	H	1.0	90	X	MED.	24.5	3.5	33.3	**38.0**	**-16.0**	**54.0**	
1818.8000	43.7	A	H	1.0	90	Y	MED.	24.5	3.5	33.3	**38.4**	**-15.6**	**54.0**	
1818.8000	46.9	A	H	2.0	90	Z	MED.	24.5	3.5	33.3	**41.6**	**-12.4**	**54.0**	
1818.8000	44.6	A	V	1.0	90	X	MED.	24.5	3.5	33.3	**39.3**	**-14.7**	**54.0**	
1818.8000	48.6	A	V	1.0	90	Y	MED.	24.5	3.5	33.3	**43.3**	**-10.7**	**54.0**	
1818.8000	47.0	A	V	1.0	0	Z	MED.	24.5	3.5	33.3	**41.7**	**-12.3**	**54.0**	
1855.0000	45.6	A	H	1.0	90	X	HIGH	24.5	3.7	31.9	**41.9**	**-12.1**	**54.0**	
1855.0000	46.2	A	H	1.0	90	Y	HIGH	24.5	3.7	31.9	**42.5**	**-11.5**	**54.0**	
1855.0000	46.4	A	H	1.0	90	Z	HIGH	24.5	3.7	31.9	**42.7**	**-11.3**	**54.0**	
1855.0000	46.8	A	V	1.0	0	X	HIGH	24.5	3.7	31.9	**43.1**	**-10.9**	**54.0**	
1855.0000	45.6	A	V	1.0	0	Y	HIGH	24.5	3.7	31.9	**41.9**	**-12.1**	**54.0**	
1855.0000	45.5	A	V	1.0	270	Z	HIGH	24.5	3.7	31.9	**41.8**	**-12.2**	**54.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH HD ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2707.5000	38.3	A	H	1.0	90	X	LOW	28.2	4.5	31.8	**39.2**	**-14.8**	**54.0**	
2707.5000	42.0	A	H	1.0	90	Y	LOW	28.2	4.5	31.8	**42.9**	**-11.1**	**54.0**	
2707.5000	38.5	A	H	1.0	90	Z	LOW	28.2	4.5	31.8	**39.4**	**-14.6**	**54.0**	
2707.5000	42.6	A	V	1.0	90	X	LOW	28.2	4.5	31.8	**43.5**	**-10.5**	**54.0**	
2707.5000	38.7	A	V	1.0	90	Y	LOW	28.2	4.5	31.8	**39.6**	**-14.4**	**54.0**	
2707.5000	42.0	A	V	1.0	90	Z	LOW	28.2	4.5	31.8	**42.9**	**-11.1**	**54.0**	
2728.2000	39.4	A	H	1.0	90	X	MED.	28.2	4.5	31.8	**40.3**	**-13.7**	**54.0**	
2728.2000	36.9	A	H	1.0	90	Y	MED.	28.2	4.5	31.8	**37.8**	**-16.2**	**54.0**	
2728.2000	37.6	A	H	1.0	90	Z	MED.	28.2	4.5	31.8	**38.5**	**-15.5**	**54.0**	
2728.2000	40.0	A	V	1.0	0	X	MED.	28.2	4.5	31.8	**40.9**	**-13.1**	**54.0**	
2728.2000	38.0	A	V	1.0	180	Y	MED.	28.2	4.5	31.8	**38.9**	**-15.1**	**54.0**	
2728.2000	43.7	A	V	1.0	0	Z	MED.	28.2	4.5	31.8	**44.6**	**-9.4**	**54.0**	
2782.5000	41.0	A	H	1.0	90	X	HIGH	29.7	4.6	31.7	**43.6**	**-10.4**	**54.0**	
2782.5000	45.7	A	H	1.0	90	Y	HIGH	29.7	4.6	31.7	**48.3**	**-5.7**	**54.0**	
2782.5000	44.2	A	H	1.0	90	Z	HIGH	29.7	4.6	31.7	**46.8**	**-7.2**	**54.0**	
2782.5000	43.7	A	V	1.0	270	X	HIGH	29.7	4.6	31.7	**46.3**	**-7.7**	**54.0**	
2782.5000	43.9	A	V	1.0	270	Y	HIGH	29.7	4.6	31.7	**46.5**	**-7.5**	**54.0**	
2782.5000	43.7	A	V	1.0	180	Z	HIGH	29.7	4.6	31.7	**46.3**	**-7.7**	**54.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH HD ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
3610.0000	35.5	A	H	1.0	90	X	LOW	29.6	5.0	31.9	**38.2**	**-15.8**	**54.0**	
3610.0000	35.9	A	H	1.0	90	Y	LOW	29.6	5.0	31.9	**38.6**	**-15.4**	**54.0**	
3610.0000	37.0	A	H	1.0	90	Z	LOW	29.6	5.0	31.9	**39.7**	**-14.3**	**54.0**	
3610.0000	34.9	A	V	1.0	90	X	LOW	29.6	5.0	31.9	**37.6**	**-16.4**	**54.0**	
3610.0000	36.9	A	V	1.5	270	Y	LOW	29.6	5.0	31.9	**39.6**	**-14.4**	**54.0**	
3610.0000	39.2	A	V	1.0	0	Z	LOW	29.6	5.0	31.9	**41.9**	**-12.1**	**54.0**	
3637.6000	36.6	A	H	1.0	270	X	MED.	29.6	5.0	31.9	**39.3**	**-14.7**	**54.0**	
3637.6000	39.0	A	H	1.0	270	Y	MED.	29.6	5.0	31.9	**41.7**	**-12.3**	**54.0**	
3637.6000	37.6	A	H	1.0	90	Z	MED.	29.6	5.0	31.9	**40.3**	**-13.7**	**54.0**	
3637.6000	38.8	A	V	1.0	0	X	MED.	29.6	5.0	31.9	**41.5**	**-12.5**	**54.0**	
3637.6000	37.0	A	V	1.0	180	Y	MED.	29.6	5.0	31.9	**39.7**	**-14.3**	**54.0**	
3637.6000	38.5	A	V	1.0	90	Z	MED.	29.6	5.0	31.9	**41.2**	**-12.8**	**54.0**	
3710.0000	37.1	A	H	1.0	90	X	HIGH	29.6	5.0	31.9	**39.8**	**-14.2**	**54.0**	
3710.0000	38.2	A	H	1.0	90	Y	HIGH	29.6	5.0	31.9	**40.9**	**-13.1**	**54.0**	
3710.0000	38.3	A	H	1.0	90	Z	HIGH	29.6	5.0	31.9	**41.0**	**-13.0**	**54.0**	
3710.0000	37.8	A	V	1.0	90	X	HIGH	29.6	5.0	31.9	**40.5**	**-13.5**	**54.0**	
3710.0000	37.3	A	V	1.0	0	Y	HIGH	29.6	5.0	31.9	**40.0**	**-14.0**	**54.0**	
3710.0000	37.6	A	V	1.0	270	Z	HIGH	29.6	5.0	31.9	**40.3**	**-13.7**	**54.0**	

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

** DELTA = SPEC LIMIT - CORRECTED READING

No Harmonics Nor Emissions Found after the 4th Harmonic

RADIATED EMISSIONS

DATA SHEETS FOR THE TRANSMITTER PORTION

CW-QW ANTENNA

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH CW-QW ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
902.5000	66.1	65.3 QP	H	1.0	90	X	LOW	23.3	4.6	0.0	**93.2**	**-0.8**	**94.0**	
902.5000	53.2	QP	H	1.0	0	Y	LOW	23.3	4.6	0.0	**81.1**	**-12.9**	**94.0**	
902.5000	52.9	QP	H	1.0	0	Z	LOW	23.3	4.6	0.0	**80.8**	**-13.2**	**94.0**	
902.5000	58.8	QP	V	1.0	45	X	LOW	23.3	4.6	0.0	**86.7**	**-7.3**	**94.0**	
902.5000	63.1	62.2 QP	V	1.0	180	Y	LOW	23.3	4.6	0.0	**90.0**	**-4.0**	**94.0**	
902.5000	59.2	QP	V	1.0	0	Z	LOW	23.3	4.6	0.0	**87.1**	**-6.9**	**94.0**	
909.4000	63.8	62.9 QP	H	1.0	270	X	MED.	23.4	4.6	0.0	**90.9**	**-3.1**	**94.0**	
909.4000	55.0	QP	H	1.5	0	Y	MED.	23.4	4.6	0.0	**83.0**	**-11.0**	**94.0**	
909.4000	63.2	62.4 QP	H	1.0	270	Z	MED.	23.4	4.6	0.0	**90.4**	**-3.6**	**94.0**	
909.4000	59.5	QP	V	1.5	45	X	MED.	23.4	4.6	0.0	**87.5**	**-6.5**	**94.0**	
909.4000	64.1	63.4 QP	V	1.0	90	Y	MED.	23.4	4.6	0.0	**91.4**	**-2.6**	**94.0**	
909.4000	58.3	QP	V	1.0	90	Z	MED.	23.4	4.6	0.0	**86.3**	**-7.7**	**94.0**	
927.5000	63.9	63.1 QP	H	1.0	90	X	HIGH	23.5	4.6	0.0	**91.2**	**-2.8**	**94.0**	
927.5000	54.3	QP	H	1.0	0	Y	HIGH	23.5	4.6	0.0	**82.4**	**-11.6**	**94.0**	
927.5000	62.6	QP	H	1.0	270	Z	HIGH	23.5	4.6	0.0	**90.7**	**-3.3**	**94.0**	
927.5000	56.7	QP	V	1.0	180	X	HIGH	23.5	4.6	0.0	**84.8**	**-9.2**	**94.0**	
927.5000	65.1	64.5 QP	V	1.0	180	Y	HIGH	23.5	4.6	0.0	**92.6**	**-1.4**	**94.0**	
927.5000	57.9	QP	V	1.0	180	Z	HIGH	23.5	4.6	0.0	**86.0**	**-8.0**	**94.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH CW-QW ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
1805.0000	41.5	A	H	1.5	180	X	LOW	24.5	3.5	33.3	**36.2**	**-17.8**	**54.0**	
1805.0000	43.3	A	H	1.0	90	Y	LOW	24.5	3.5	33.3	**38.0**	**-16.0**	**54.0**	
1805.0000	37.8	A	H	2.0	0	Z	LOW	24.5	3.5	33.3	**32.5**	**-21.5**	**54.0**	
1805.0000	39.9	A	V	1.0	90	X	LOW	24.5	3.5	33.3	**34.6**	**-19.4**	**54.0**	
1805.0000	45.2	A	V	2.0	0	Y	LOW	24.5	3.5	33.3	**39.9**	**-14.1**	**54.0**	
1805.0000	42.5	A	V	1.5	270	Z	LOW	24.5	3.5	33.3	**37.2**	**-16.8**	**54.0**	
1818.8000	44.5	A	H	1.0	90	X	MED.	24.5	3.5	33.3	**39.2**	**-14.8**	**54.0**	
1818.8000	46.7	A	H	1.0	90	Y	MED.	24.5	3.5	33.3	**41.4**	**-12.6**	**54.0**	
1818.8000	43.9	A	H	1.5	90	Z	MED.	24.5	3.5	33.3	**38.6**	**-15.4**	**54.0**	
1818.8000	43.7	A	V	2.0	90	X	MED.	24.5	3.5	33.3	**38.4**	**-15.6**	**54.0**	
1818.8000	46.8	A	V	1.0	0	Y	MED.	24.5	3.5	33.3	**41.5**	**-12.5**	**54.0**	
1818.8000	47.1	A	V	1.0	90	Z	MED.	24.5	3.5	33.3	**41.8**	**-12.2**	**54.0**	
1855.0000	44.9	A	H	1.0	270	X	HIGH	24.5	3.7	31.9	**41.2**	**-12.8**	**54.0**	
1855.0000	43.5	A	H	2.0	0	Y	HIGH	24.5	3.7	31.9	**39.8**	**-14.2**	**54.0**	
1855.0000	39.2	A	H	1.0	90	Z	HIGH	24.5	3.7	31.9	**35.5**	**-18.5**	**54.0**	
1855.0000	46.2	A	V	1.0	0	X	HIGH	24.5	3.7	31.9	**42.5**	**-11.5**	**54.0**	
1855.0000	46.9	A	V	1.0	90	Y	HIGH	24.5	3.7	31.9	**43.2**	**-10.8**	**54.0**	
1855.0000	44.0	A	V	1.0	270	Z	HIGH	24.5	3.7	31.9	**40.3**	**-13.7**	**54.0**	

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

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH CW-QW ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2707.5000	42.7	A	H	1.0	270	X	LOW	28.2	4.5	31.8	**43.6**	**-10.4**	**54.0**	
2707.5000	45.8	A	H	1.0	270	Y	LOW	28.2	4.5	31.8	**46.7**	**-7.3**	**54.0**	
2707.5000	45.1	A	H	2.0	90	Z	LOW	28.2	4.5	31.8	**46.0**	**-8.0**	**54.0**	
2707.5000	42.9	A	V	1.0	180	X	LOW	28.2	4.5	31.8	**43.8**	**-10.2**	**54.0**	
2707.5000	46.5	A	V	1.0	0	Y	LOW	28.2	4.5	31.8	**47.4**	**-6.6**	**54.0**	
2707.5000	42.3	A	V	1.0	0	Z	LOW	28.2	4.5	31.8	**43.2**	**-10.8**	**54.0**	
2728.2000	37.0	A	H	1.0	90	X	MED.	28.2	4.5	31.8	**37.9**	**-16.1**	**54.0**	
2728.2000	38.1	A	H	1.0	90	Y	MED.	28.2	4.5	31.8	**39.0**	**-15.0**	**54.0**	
2728.2000	39.8	A	H	1.0	90	Z	MED.	28.2	4.5	31.8	**40.7**	**-13.3**	**54.0**	
2728.2000	38.1	A	V	1.0	90	X	MED.	28.2	4.5	31.8	**39.0**	**-15.0**	**54.0**	
2728.2000	37.5	A	V	1.0	90	Y	MED.	28.2	4.5	31.8	**38.4**	**-15.6**	**54.0**	
2728.2000	39.6	A	V	1.0	90	Z	MED.	28.2	4.5	31.8	**40.5**	**-13.5**	**54.0**	
2782.5000	45.0	A	H	1.0	270	X	HIGH	29.7	4.6	31.7	**47.6**	**-6.4**	**54.0**	
2782.5000	45.4	A	H	1.0	270	Y	HIGH	29.7	4.6	31.7	**48.0**	**-6.0**	**54.0**	
2782.5000	46.4	A	H	1.0	0	Z	HIGH	29.7	4.6	31.7	**49.0**	**-5.0**	**54.0**	
2782.5000	42.9	A	V	1.0	0	X	HIGH	29.7	4.6	31.7	**45.5**	**-8.5**	**54.0**	
2782.5000	45.9	A	V	2.0	90	Y	HIGH	29.7	4.6	31.7	**48.5**	**-5.5**	**54.0**	
2782.5000	45.2	A	V	1.0	270	Z	HIGH	29.7	4.6	31.7	**47.8**	**-6.2**	**54.0**	

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

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH CW-QW ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
3610.0000	36.0	A	H	1.0	90	X	LOW	29.6	5.0	31.9	**38.7**	**-15.3**	**54.0**	
3610.0000	37.6	A	H	1.0	180	Y	LOW	29.6	5.0	31.9	**40.3**	**-13.7**	**54.0**	
3610.0000	35.2	A	H	1.0	270	Z	LOW	29.6	5.0	31.9	**37.9**	**-16.1**	**54.0**	
3610.0000	35.9	A	V	1.5	0	X	LOW	29.6	5.0	31.9	**38.6**	**-15.4**	**54.0**	
3610.0000	36.8	A	V	1.0	90	Y	LOW	29.6	5.0	31.9	**39.5**	**-14.5**	**54.0**	
3610.0000	34.6	A	V	1.0	0	Z	LOW	29.6	5.0	31.9	**37.3**	**-16.7**	**54.0**	
3637.6000	38.8	A	H	1.0	90	X	MED.	29.6	5.0	31.9	**41.5**	**-12.5**	**54.0**	
3637.6000	37.7	A	H	1.5	180	Y	MED.	29.6	5.0	31.9	**40.4**	**-13.6**	**54.0**	
3637.6000	40.7	A	H	1.0	90	Z	MED.	29.6	5.0	31.9	**43.4**	**-10.6**	**54.0**	
3637.6000	38.9	A	V	1.0	90	X	MED.	29.6	5.0	31.9	**41.6**	**-12.4**	**54.0**	
3637.6000	36.0	A	V	1.0	0	Y	MED.	29.6	5.0	31.9	**38.7**	**-15.3**	**54.0**	
3637.6000	37.5	A	V	1.0	270	Z	MED.	29.6	5.0	31.9	**40.2**	**-13.8**	**54.0**	
3710.0000	37.5	A	H	1.0	90	X	HIGH	29.6	5.0	31.9	**40.2**	**-13.8**	**54.0**	
3710.0000	37.4	A	H	1.0	90	Y	HIGH	29.6	5.0	31.9	**40.1**	**-13.9**	**54.0**	
3710.0000	38.2	A	H	1.0	90	Z	HIGH	29.6	5.0	31.9	**40.9**	**-13.1**	**54.0**	
3710.0000	36.0	A	V	1.0	270	X	HIGH	29.6	5.0	31.9	**38.7**	**-15.3**	**54.0**	
3710.0000	35.8	A	V	1.0	90	Y	HIGH	29.6	5.0	31.9	**38.5**	**-15.5**	**54.0**	
3710.0000	38.0	A	V	1.0	0	Z	HIGH	29.6	5.0	31.9	**40.7**	**-13.3**	**54.0**	

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

** DELTA = SPEC LIMIT - CORRECTED READING

No Harmonics Nor Emissions Found after the 4th Harmonic

RADIATED EMISSIONS

DATA SHEETS FOR THE TRANSMITTER PORTION

RCS ANTENNA

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RCS ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
902.5000	59.2	QP	H	1.0	90	X	LOW	23.3	4.6	0.0	**87.1**	**-6.9**	**94.0**	
902.5000	56.7	QP	H	1.0	90	Y	LOW	23.3	4.6	0.0	**84.6**	**-9.4**	**94.0**	
902.5000	60.9	QP	H	1.5	225	Z	LOW	23.3	4.6	0.0	**88.8**	**-5.2**	**94.0**	
902.5000	59.1	QP	V	1.0	0	X	LOW	23.3	4.6	0.0	**87.0**	**-7.0**	**94.0**	
902.5000	60.3	QP	V	1.0	270	Y	LOW	23.3	4.6	0.0	**88.2**	**-5.8**	**94.0**	
902.5000	58.0	QP	V	1.0	180	Z	LOW	23.3	4.6	0.0	**85.9**	**-8.1**	**94.0**	
909.4000	53.8	QP	H	2.0	90	X	MED.	23.4	4.6	0.0	**81.8**	**-12.2**	**94.0**	
909.4000	64.2	63.5 QP	H	1.0	90	Y	MED.	23.4	4.6	0.0	**91.5**	**-2.5**	**94.0**	
909.4000	62.1	QP	H	1.0	180	Z	MED.	23.4	4.6	0.0	**90.1**	**-3.9**	**94.0**	
909.4000	63.9	63.2 QP	V	1.0	90	X	MED.	23.4	4.6	0.0	**91.2**	**-2.8**	**94.0**	
909.4000	61.7	QP	V	1.0	90	Y	MED.	23.4	4.6	0.0	**89.7**	**-4.3**	**94.0**	
909.4000	61.4	QP	V	1.0	90	Z	MED.	23.4	4.6	0.0	**89.4**	**-4.6**	**94.0**	
927.5000	55.1	QP	H	1.5	90	X	HIGH	23.5	4.6	0.0	**83.2**	**-10.8**	**94.0**	
927.5000	65.2	64.4 QP	H	1.0	90	Y	HIGH	23.5	4.6	0.0	**92.5**	**-1.5**	**94.0**	
927.5000	63.6	62.8 QP	H	1.0	90	Z	HIGH	23.5	4.6	0.0	**90.9**	**-3.2**	**94.0**	
927.5000	56.5	QP	V	1.0	90	X	HIGH	23.5	4.6	0.0	**84.6**	**-9.4**	**94.0**	
927.5000	62.4	QP	V	1.0	180	Y	HIGH	23.5	4.6	0.0	**90.5**	**-3.5**	**94.0**	
927.5000	59.6	QP	V	1.0	270	Z	HIGH	23.5	4.6	0.0	**87.7**	**-6.3**	**94.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RCS ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
1805.0000	46.2	A	H	1.0	270	X	LOW	24.5	3.5	33.3	**40.9**	**-13.1**	**54.0**	
1805.0000	45.6	A	H	1.0	0	Y	LOW	24.5	3.5	33.3	**40.3**	**-13.7**	**54.0**	
1805.0000	47.8	A	H	1.5	0	Z	LOW	24.5	3.5	33.3	**42.5**	**-11.5**	**54.0**	
1805.0000	46.8	A	V	3.0	90	X	LOW	24.5	3.5	33.3	**41.5**	**-12.5**	**54.0**	
1805.0000	45.0	A	V	1.0	90	Y	LOW	24.5	3.5	33.3	**39.7**	**-14.3**	**54.0**	
1805.0000	41.7	A	V	1.0	180	Z	LOW	24.5	3.5	33.3	**36.4**	**-17.6**	**54.0**	
1818.8000	43.5	A	H	1.0	90	X	MED.	24.5	3.5	33.3	**38.2**	**-15.8**	**54.0**	
1818.8000	44.3	A	H	1.0	90	Y	MED.	24.5	3.5	33.3	**39.0**	**-15.0**	**54.0**	
1818.8000	46.5	A	H	1.0	90	Z	MED.	24.5	3.5	33.3	**41.2**	**-12.8**	**54.0**	
1818.8000	45.1	A	V	1.0	180	X	MED.	24.5	3.5	33.3	**39.8**	**-14.2**	**54.0**	
1818.8000	46.5	A	V	1.5	180	Y	MED.	24.5	3.5	33.3	**41.2**	**-12.8**	**54.0**	
1818.8000	45.7	A	V	1.0	90	Z	MED.	24.5	3.5	33.3	**40.4**	**-13.6**	**54.0**	
1855.0000	44.0	A	H	1.5	270	X	HIGH	24.5	3.7	31.9	**40.3**	**-13.7**	**54.0**	
1855.0000	44.3	A	H	1.5	90	Y	HIGH	24.5	3.7	31.9	**40.6**	**-13.4**	**54.0**	
1855.0000	44.6	A	H	1.0	0	Z	HIGH	24.5	3.7	31.9	**40.9**	**-13.1**	**54.0**	
1855.0000	47.1	A	V	1.5	90	X	HIGH	24.5	3.7	31.9	**43.4**	**-10.6**	**54.0**	
1855.0000	44.8	A	V	1.0	90	Y	HIGH	24.5	3.7	31.9	**41.1**	**-12.9**	**54.0**	
1855.0000	46.0	A	V	1.0	90	Z	HIGH	24.5	3.7	31.9	**42.3**	**-11.7**	**54.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RCS ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2707.5000	45.1	A	H	1.0	0	X	LOW	28.2	4.5	31.8	**46.0**	**-8.0**	**54.0**	
2707.5000	42.5	A	H	1.0	0	Y	LOW	28.2	4.5	31.8	**43.4**	**-10.6**	**54.0**	
2707.5000	47.7	A	H	1.5	90	Z	LOW	28.2	4.5	31.8	**48.6**	**-5.4**	**54.0**	
2707.5000	43.0	A	V	1.0	270	X	LOW	28.2	4.5	31.8	**43.9**	**-10.1**	**54.0**	
2707.5000	44.8	A	V	1.0	90	Y	LOW	28.2	4.5	31.8	**45.7**	**-8.3**	**54.0**	
2707.5000	42.6	A	V	1.0	90	Z	LOW	28.2	4.5	31.8	**43.5**	**-10.5**	**54.0**	
2728.2000	44.3	A	H	1.5	90	X	MED.	28.2	4.5	31.8	**45.2**	**-8.8**	**54.0**	
2728.2000	43.6	A	H	1.0	90	Y	MED.	28.2	4.5	31.8	**44.5**	**-9.5**	**54.0**	
2728.2000	44.1	A	H	1.0	180	Z	MED.	28.2	4.5	31.8	**45.0**	**-9.0**	**54.0**	
2728.2000	39.5	A	V	1.0	90	X	MED.	28.2	4.5	31.8	**40.4**	**-13.6**	**54.0**	
2728.2000	43.0	A	V	1.0	90	Y	MED.	28.2	4.5	31.8	**43.9**	**-10.1**	**54.0**	
2728.2000	41.6	A	V	1.0	0	Z	MED.	28.2	4.5	31.8	**42.5**	**-11.5**	**54.0**	
2782.5000	44.3	A	H	1.0	270	X	HIGH	29.7	4.6	31.7	**46.9**	**-7.1**	**54.0**	
2782.5000	44.7	A	H	1.0	90	Y	HIGH	29.7	4.6	31.7	**47.3**	**-6.7**	**54.0**	
2782.5000	44.7	A	H	1.0	90	Z	HIGH	29.7	4.6	31.7	**47.3**	**-6.7**	**54.0**	
2782.5000	45.3	A	V	1.0	90	X	HIGH	29.7	4.6	31.7	**47.9**	**-6.1**	**54.0**	
2782.5000	45.9	A	V	1.0	90	Y	HIGH	29.7	4.6	31.7	**48.5**	**-5.5**	**54.0**	
2782.5000	44.9	A	V	1.0	90	Z	HIGH	29.7	4.6	31.7	**47.5**	**-6.5**	**54.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RCS ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
3610.0000	38.5	A	H	1.0	90	X	LOW	29.6	5.0	31.9	**41.2**	**-12.8**	**54.0**	
3610.0000	39.3	A	H	1.0	90	Y	LOW	29.6	5.0	31.9	**42.0**	**-12.0**	**54.0**	
3610.0000	38.5	A	H	1.0	90	Z	LOW	29.6	5.0	31.9	**41.2**	**-12.8**	**54.0**	
3610.0000	37.3	A	V	1.0	0	X	LOW	29.6	5.0	31.9	**40.0**	**-14.0**	**54.0**	
3610.0000	38.1	A	V	1.5	0	Y	LOW	29.6	5.0	31.9	**40.8**	**-13.2**	**54.0**	
3610.0000	37.2	A	V	1.0	90	Z	LOW	29.6	5.0	31.9	**39.9**	**-14.1**	**54.0**	
3637.6000	38.4	A	H	1.0	90	X	MED.	29.6	5.0	31.9	**41.1**	**-12.9**	**54.0**	
3637.6000	38.8	A	H	1.0	90	Y	MED.	29.6	5.0	31.9	**41.5**	**-12.5**	**54.0**	
3637.6000	37.5	A	H	1.0	0	Z	MED.	29.6	5.0	31.9	**40.2**	**-13.8**	**54.0**	
3637.6000	45.1	A	V	1.0	90	X	MED.	29.6	5.0	31.9	**47.8**	**-6.2**	**54.0**	
3637.6000	36.8	A	V	1.0	90	Y	MED.	29.6	5.0	31.9	**39.5**	**-14.5**	**54.0**	
3637.6000	38.1	A	V	1.0	270	Z	MED.	29.6	5.0	31.9	**40.8**	**-13.2**	**54.0**	
3710.0000	35.8	A	H	2.0	90	X	HIGH	29.6	5.0	31.9	**38.5**	**-15.5**	**54.0**	
3710.0000	39.3	A	H	1.0	90	Y	HIGH	29.6	5.0	31.9	**42.0**	**-12.0**	**54.0**	
3710.0000	38.3	A	H	1.0	90	Z	HIGH	29.6	5.0	31.9	**41.0**	**-13.0**	**54.0**	
3710.0000	35.6	A	V	1.0	270	X	HIGH	29.6	5.0	31.9	**38.3**	**-15.7**	**54.0**	
3710.0000	38.7	A	V	1.0	90	Y	HIGH	29.6	5.0	31.9	**41.4**	**-12.6**	**54.0**	
3710.0000	37.6	A	V	1.0	0	Z	HIGH	29.6	5.0	31.9	**40.3**	**-13.7**	**54.0**	

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

** DELTA = SPEC LIMIT - CORRECTED READING

No Harmonics Nor Emissions Found after the 4th Harmonic

RADIATED EMISSIONS

DATA SHEETS FOR THE TRANSMITTER PORTION

RCL ANTENNA

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RCL ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
902.5000	63.9	63.3 QP	H	1.0	90	X	LOW	23.3	4.6	0.0	**91.1**	**-2.9**	**94.0**	
902.5000	63.3	62.3 QP	H	1.0	90	Y	LOW	23.3	4.6	0.0	**90.2**	**-3.8**	**94.0**	
902.5000	63.2	62.6 QP	H	1.0	90	Z	LOW	23.3	4.6	0.0	**90.5**	**-3.5**	**94.0**	
902.5000	58.9	QP	V	1.0	90	X	LOW	23.3	4.6	0.0	**86.8**	**-7.2**	**94.0**	
902.5000	61.5	QP	V	1.0	90	Y	LOW	23.3	4.6	0.0	**89.4**	**-4.6**	**94.0**	
902.5000	61.0	QP	V	1.0	90	Z	LOW	23.3	4.6	0.0	**88.9**	**-5.1**	**94.0**	
909.4000	64.4	63.6 QP	H	1.0	90	X	MED.	23.4	4.6	0.0	**91.6**	**-2.4**	**94.0**	
909.4000	63.4	62.6 QP	H	1.0	90	Y	MED.	23.4	4.6	0.0	**90.6**	**-3.4**	**94.0**	
909.4000	62.9	QP	H	1.0	270	Z	MED.	23.4	4.6	0.0	**90.9**	**-3.1**	**94.0**	
909.4000	59.5	QP	V	1.0	90	X	MED.	23.4	4.6	0.0	**87.5**	**-6.5**	**94.0**	
909.4000	60.6	QP	V	1.0	90	Y	MED.	23.4	4.6	0.0	**88.6**	**-5.4**	**94.0**	
909.4000	59.3	QP	V	1.0	0	Z	MED.	23.4	4.6	0.0	**87.3**	**-6.7**	**94.0**	
927.5000	62.1	QP	H	1.0	90	X	HIGH	23.5	4.6	0.0	**90.2**	**-3.8**	**94.0**	
927.5000	61.9	QP	H	1.5	90	Y	HIGH	23.5	4.6	0.0	**90.0**	**-4.0**	**94.0**	
927.5000	60.9	QP	H	1.0	180	Z	HIGH	23.5	4.6	0.0	**89.0**	**-5.0**	**94.0**	
927.5000	60.6	QP	V	1.0	90	X	HIGH	23.5	4.6	0.0	**88.7**	**-5.3**	**94.0**	
927.5000	61.9	QP	V	1.0	0	Y	HIGH	23.5	4.6	0.0	**90.0**	**-4.0**	**94.0**	
927.5000	62.6	QP	V	1.0	90	Z	HIGH	23.5	4.6	0.0	**90.7**	**-3.3**	**94.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RCL ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
1805.0000	39.8	A	H	1.0	90	X	LOW	24.5	3.5	33.3	**34.5**	**-19.5**	**54.0**	
1805.0000	41.9	A	H	1.0	90	Y	LOW	24.5	3.5	33.3	**36.6**	**-17.4**	**54.0**	
1805.0000	43.6	A	H	1.0	0	Z	LOW	24.5	3.5	33.3	**38.3**	**-15.7**	**54.0**	
1805.0000	44.7	A	V	1.0	0	X	LOW	24.5	3.5	33.3	**39.4**	**-14.6**	**54.0**	
1805.0000	43.9	A	V	1.0	180	Y	LOW	24.5	3.5	33.3	**38.6**	**-15.4**	**54.0**	
1805.0000	46.3	A	V	1.0	180	Z	LOW	24.5	3.5	33.3	**41.0**	**-13.0**	**54.0**	
1818.8000	43.4	A	H	1.0	90	X	MED.	24.5	3.5	33.3	**38.1**	**-15.9**	**54.0**	
1818.8000	42.9	A	H	1.0	90	Y	MED.	24.5	3.5	33.3	**37.6**	**-16.4**	**54.0**	
1818.8000	44.5	A	H	1.0	225	Z	MED.	24.5	3.5	33.3	**39.2**	**-14.8**	**54.0**	
1818.8000	43.0	A	V	2.0	90	X	MED.	24.5	3.5	33.3	**37.7**	**-16.3**	**54.0**	
1818.8000	47.4	A	V	1.0	180	Y	MED.	24.5	3.5	33.3	**42.1**	**-11.9**	**54.0**	
1818.8000	47.7	A	V	1.0	0	Z	MED.	24.5	3.5	33.3	**42.4**	**-11.6**	**54.0**	
1855.0000	43.8	A	H	1.5	180	X	HIGH	24.5	3.7	31.9	**40.1**	**-13.9**	**54.0**	
1855.0000	42.4	A	H	1.0	90	Y	HIGH	24.5	3.7	31.9	**38.7**	**-15.3**	**54.0**	
1855.0000	47.2	A	H	1.5	180	Z	HIGH	24.5	3.7	31.9	**43.5**	**-10.5**	**54.0**	
1855.0000	44.0	A	V	1.5	180	X	HIGH	24.5	3.7	31.9	**40.3**	**-13.7**	**54.0**	
1855.0000	45.6	A	V	1.0	225	Y	HIGH	24.5	3.7	31.9	**41.9**	**-12.1**	**54.0**	
1855.0000	47.6	A	V	1.0	180	Z	HIGH	24.5	3.7	31.9	**43.9**	**-10.1**	**54.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RCL ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2707.5000	44.6	A	H	1.0	0	X	LOW	28.2	4.5	31.8	**45.5**	**-8.5**	**54.0**	
2707.5000	41.9	A	H	1.0	0	Y	LOW	28.2	4.5	31.8	**42.8**	**-11.2**	**54.0**	
2707.5000	42.9	A	H	1.0	180	Z	LOW	28.2	4.5	31.8	**43.8**	**-10.2**	**54.0**	
2707.5000	41.6	A	V	1.0	90	X	LOW	28.2	4.5	31.8	**42.5**	**-11.5**	**54.0**	
2707.5000	41.4	A	V	1.0	90	Y	LOW	28.2	4.5	31.8	**42.3**	**-11.7**	**54.0**	
2707.5000	43.9	A	V	1.0	270	Z	LOW	28.2	4.5	31.8	**44.8**	**-9.2**	**54.0**	
2728.2000	42.3	A	H	1.0	90	X	MED.	28.2	4.5	31.8	**43.2**	**-10.8**	**54.0**	
2728.2000	41.3	A	H	1.5	90	Y	MED.	28.2	4.5	31.8	**42.2**	**-11.8**	**54.0**	
2728.2000	42.6	A	H	1.0	90	Z	MED.	28.2	4.5	31.8	**43.5**	**-10.5**	**54.0**	
2728.2000	39.3	A	V	1.0	270	X	MED.	28.2	4.5	31.8	**40.2**	**-13.8**	**54.0**	
2728.2000	38.1	A	V	1.0	180	Y	MED.	28.2	4.5	31.8	**39.0**	**-15.0**	**54.0**	
2728.2000	38.4	A	V	1.0	135	Z	MED.	28.2	4.5	31.8	**39.3**	**-14.7**	**54.0**	
2782.5000	45.3	A	H	1.0	180	X	HIGH	29.7	4.6	31.7	**47.9**	**-6.1**	**54.0**	
2782.5000	41.4	A	H	1.0	90	Y	HIGH	29.7	4.6	31.7	**44.0**	**-10.0**	**54.0**	
2782.5000	45.8	A	H	1.0	180	Z	HIGH	29.7	4.6	31.7	**48.4**	**-5.6**	**54.0**	
2782.5000	40.0	A	V	1.0	0	X	HIGH	29.7	4.6	31.7	**42.6**	**-11.4**	**54.0**	
2782.5000	41.7	A	V	1.0	180	Y	HIGH	29.7	4.6	31.7	**44.3**	**-9.7**	**54.0**	
2782.5000	43.2	A	V	1.0	90	Z	HIGH	29.7	4.6	31.7	**45.8**	**-8.2**	**54.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RCL ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
3610.0000	34.2	A	H	1.0	90	X	LOW	29.6	5.0	31.9	**36.9**	**-17.1**	**54.0**	
3610.0000	37.7	A	H	1.0	90	Y	LOW	29.6	5.0	31.9	**40.4**	**-13.6**	**54.0**	
3610.0000	38.7	A	H	1.0	90	Z	LOW	29.6	5.0	31.9	**41.4**	**-12.6**	**54.0**	
3610.0000	36.4	A	V	1.5	0	X	LOW	29.6	5.0	31.9	**39.1**	**-14.9**	**54.0**	
3610.0000	40.9	A	V	1.0	90	Y	LOW	29.6	5.0	31.9	**43.6**	**-10.4**	**54.0**	
3610.0000	37.1	A	V	1.0	0	Z	LOW	29.6	5.0	31.9	**39.8**	**-14.2**	**54.0**	
3637.6000	36.8	A	H	1.0	225	X	MED.	29.6	5.0	31.9	**39.5**	**-14.5**	**54.0**	
3637.6000	35.6	A	H	1.0	90	Y	MED.	29.6	5.0	31.9	**38.3**	**-15.7**	**54.0**	
3637.6000	39.1	A	H	1.0	90	Z	MED.	29.6	5.0	31.9	**41.8**	**-12.2**	**54.0**	
3637.6000	36.3	A	V	1.0	180	X	MED.	29.6	5.0	31.9	**39.0**	**-15.0**	**54.0**	
3637.6000	39.1	A	V	1.5	270	Y	MED.	29.6	5.0	31.9	**41.8**	**-12.2**	**54.0**	
3637.6000	38.8	A	V	1.0	0	Z	MED.	29.6	5.0	31.9	**41.5**	**-12.5**	**54.0**	
3710.0000	36.9	A	H	1.0	270	X	HIGH	29.6	5.0	31.9	**39.6**	**-14.4**	**54.0**	
3710.0000	35.3	A	H	1.0	90	Y	HIGH	29.6	5.0	31.9	**38.0**	**-16.0**	**54.0**	
3710.0000	38.6	A	H	1.0	270	Z	HIGH	29.6	5.0	31.9	**41.3**	**-12.7**	**54.0**	
3710.0000	40.1	A	V	1.0	90	X	HIGH	29.6	5.0	31.9	**42.8**	**-11.2**	**54.0**	
3710.0000	37.0	A	V	1.0	90	Y	HIGH	29.6	5.0	31.9	**39.7**	**-14.3**	**54.0**	
3710.0000	38.5	A	V	1.0	0	Z	HIGH	29.6	5.0	31.9	**41.2**	**-12.8**	**54.0**	

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

** DELTA = SPEC LIMIT - CORRECTED READING

No Harmonics Nor Emissions Found after the 4th Harmonic

RADIATED EMISSIONS

DATA SHEETS FOR THE TRANSMITTER PORTION

RH ANTENNA

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RH ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
902.5000	65.3	64.6 QP	H	1.0	45	X	LOW	23.3	4.6	0.0	**92.4**	**-1.6**	**94.0**	
902.5000	52.5	QP	H	1.0	90	Y	LOW	23.3	4.6	0.0	**80.4**	**-13.6**	**94.0**	
902.5000	63.1	QP	H	1.0	0	Z	LOW	23.3	4.6	0.0	**91.0**	**-3.0**	**94.0**	
902.5000	60.8	QP	V	1.0	0	X	LOW	23.3	4.6	0.0	**88.7**	**-5.3**	**94.0**	
902.5000	66.0	65.3 QP	V	1.0	180	Y	LOW	23.3	4.6	0.0	**93.2**	**-0.8**	**94.0**	
902.5000	53.6	QP	V	1.5	90	Z	LOW	23.3	4.6	0.0	**81.5**	**-12.5**	**94.0**	
909.4000	60.6	QP	H	2.0	0	X	MED.	23.4	4.6	0.0	**88.6**	**-5.4**	**94.0**	
909.4000	55.1	QP	H	2.0	0	Y	MED.	23.4	4.6	0.0	**83.1**	**-10.9**	**94.0**	
909.4000	59.6	QP	H	2.0	0	Z	MED.	23.4	4.6	0.0	**87.6**	**-6.4**	**94.0**	
909.4000	56.3	QP	V	1.0	90	X	MED.	23.4	4.6	0.0	**84.3**	**-9.7**	**94.0**	
909.4000	63.1	62.2 QP	V	1.0	90	Y	MED.	23.4	4.6	0.0	**90.2**	**-3.8**	**94.0**	
909.4000	61.1	QP	V	1.5	0	Z	MED.	23.4	4.6	0.0	**89.1**	**-4.9**	**94.0**	
927.5000	61.6	QP	H	1.0	90	X	HIGH	23.5	4.6	0.0	**89.7**	**-4.3**	**94.0**	
927.5000	57.2	QP	H	1.5	180	Y	HIGH	23.5	4.6	0.0	**85.3**	**-8.7**	**94.0**	
927.5000	60.4	QP	H	1.0	90	Z	HIGH	23.5	4.6	0.0	**88.5**	**-5.5**	**94.0**	
927.5000	59.7	QP	V	1.5	45	X	HIGH	23.5	4.6	0.0	**87.8**	**-6.2**	**94.0**	
927.5000	63.9	63.1 QP	V	1.0	180	Y	HIGH	23.5	4.6	0.0	**91.2**	**-2.8**	**94.0**	
927.5000	61.8	QP	V	1.0	90	Z	HIGH	23.5	4.6	0.0	**89.9**	**-4.1**	**94.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RH ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
1805.0000	47.2	A	H	1.0	270	X	LOW	24.5	3.5	33.3	**41.9**	**-12.1**	**54.0**	
1805.0000	41.3	A	H	1.0	90	Y	LOW	24.5	3.5	33.3	**36.0**	**-18.0**	**54.0**	
1805.0000	46.5	A	H	1.0	0	Z	LOW	24.5	3.5	33.3	**41.2**	**-12.8**	**54.0**	
1805.0000	44.1	A	V	1.0	90	X	LOW	24.5	3.5	33.3	**38.8**	**-15.2**	**54.0**	
1805.0000	43.4	A	V	1.0	90	Y	LOW	24.5	3.5	33.3	**38.1**	**-15.9**	**54.0**	
1805.0000	42.1	A	V	1.0	90	Z	LOW	24.5	3.5	33.3	**36.8**	**-17.2**	**54.0**	
1818.8000	43.5	A	H	1.0	90	X	MED.	24.5	3.5	33.3	**38.2**	**-15.8**	**54.0**	
1818.8000	47.2	A	H	1.0	90	Y	MED.	24.5	3.5	33.3	**41.9**	**-12.1**	**54.0**	
1818.8000	46.4	A	H	1.0	90	Z	MED.	24.5	3.5	33.3	**41.1**	**-12.9**	**54.0**	
1818.8000	46.7	A	V	1.0	180	X	MED.	24.5	3.5	33.3	**41.4**	**-12.6**	**54.0**	
1818.8000	46.3	A	V	1.0	270	Y	MED.	24.5	3.5	33.3	**41.0**	**-13.0**	**54.0**	
1818.8000	43.8	A	V	1.0	0	Z	MED.	24.5	3.5	33.3	**38.5**	**-15.5**	**54.0**	
1855.0000	42.5	A	H	1.0	90	X	HIGH	24.5	3.7	31.9	**38.8**	**-15.2**	**54.0**	
1855.0000	45.6	A	H	2.0	225	Y	HIGH	24.5	3.7	31.9	**41.9**	**-12.1**	**54.0**	
1855.0000	41.9	A	H	1.0	90	Z	HIGH	24.5	3.7	31.9	**38.2**	**-15.8**	**54.0**	
1855.0000	46.4	A	V	1.5	180	X	HIGH	24.5	3.7	31.9	**42.7**	**-11.3**	**54.0**	
1855.0000	45.2	A	V	1.0	90	Y	HIGH	24.5	3.7	31.9	**41.5**	**-12.5**	**54.0**	
1855.0000	47.9	A	V	1.0	0	Z	HIGH	24.5	3.7	31.9	**44.2**	**-9.8**	**54.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RH ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2707.5000	39.7	A	H	1.0	180	X	LOW	28.2	4.5	31.8	**40.6**	**-13.4**	**54.0**	
2707.5000	42.3	A	H	1.0	90	Y	LOW	28.2	4.5	31.8	**43.2**	**-10.8**	**54.0**	
2707.5000	35.6	A	H	1.0	90	Z	LOW	28.2	4.5	31.8	**36.5**	**-17.5**	**54.0**	
2707.5000	42.8	A	V	1.0	90	X	LOW	28.2	4.5	31.8	**43.7**	**-10.3**	**54.0**	
2707.5000	38.7	A	V	1.0	90	Y	LOW	28.2	4.5	31.8	**39.6**	**-14.4**	**54.0**	
2707.5000	37.8	A	V	1.0	90	Z	LOW	28.2	4.5	31.8	**38.7**	**-15.3**	**54.0**	
2728.2000	39.5	A	H	1.0	270	X	MED.	28.2	4.5	31.8	**40.4**	**-13.6**	**54.0**	
2728.2000	43.9	A	H	1.5	90	Y	MED.	28.2	4.5	31.8	**44.8**	**-9.2**	**54.0**	
2728.2000	35.5	A	H	1.0	90	Z	MED.	28.2	4.5	31.8	**36.4**	**-17.6**	**54.0**	
2728.2000	40.0	A	V	1.0	0	X	MED.	28.2	4.5	31.8	**40.9**	**-13.1**	**54.0**	
2728.2000	39.4	A	V	1.0	90	Y	MED.	28.2	4.5	31.8	**40.3**	**-13.7**	**54.0**	
2728.2000	36.6	A	V	1.0	0	Z	MED.	28.2	4.5	31.8	**37.5**	**-16.5**	**54.0**	
2782.5000	39.4	A	H	1.0	270	X	HIGH	28.2	4.5	31.8	**40.3**	**-13.7**	**54.0**	
2782.5000	46.8	A	H	1.0	270	Y	HIGH	28.2	4.5	31.8	**47.7**	**-6.3**	**54.0**	
2782.5000	43.0	A	H	1.5	90	Z	HIGH	28.2	4.5	31.8	**43.9**	**-10.1**	**54.0**	
2782.5000	42.7	A	V	1.0	180	X	HIGH	28.2	4.5	31.8	**43.6**	**-10.4**	**54.0**	
2782.5000	42.2	A	V	1.0	180	Y	HIGH	28.2	4.5	31.8	**43.1**	**-10.9**	**54.0**	
2782.5000	44.1	A	V	1.0	180	Z	HIGH	28.2	4.5	31.8	**45.0**	**-9.0**	**54.0**	

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

RADIATED EMISSIONS (FCC SECTIONS 15.205, 15.209, AND 15.249)

COMPANY	**LINX TECHNOLOGIES**	**DATE**	**9/28/00**
EUT	**LINX RF TRANSCEIVER WITH RH ANTENNA**	**DUTY CYCLE**	**N/A**
MODEL	**TR-900-MC-PA**	**PEAK TO AVG**	**N/A**
S/N	**3**	**TEST DIST.**	**3 METERS**
TEST ENGINEER	**KYLE FUJIMOTO**	**LAB**	**D**

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)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
3610.0000	39.7	A	H	1.0	180	X	LOW	29.6	5.0	31.9	**42.4**	**-11.6**	**54.0**	
3610.0000	37.9	A	H	1.0	90	Y	LOW	29.6	5.0	31.9	**40.6**	**-13.4**	**54.0**	
3610.0000	38.3	A	H	1.0	90	Z	LOW	29.6	5.0	31.9	**41.0**	**-13.0**	**54.0**	
3610.0000	37.9	A	V	1.0	270	X	LOW	29.6	5.0	31.9	**40.6**	**-13.4**	**54.0**	
3610.0000	38.7	A	V	1.0	0	Y	LOW	29.6	5.0	31.9	**41.4**	**-12.6**	**54.0**	
3610.0000	37.8	A	V	1.0	90	Z	LOW	29.6	5.0	31.9	**40.5**	**-13.5**	**54.0**	
3637.6000	35.6	A	H	1.0	90	X	MED.	29.6	5.0	31.9	**38.3**	**-15.7**	**54.0**	
3637.6000	38.0	A	H	1.0	90	Y	MED.	29.6	5.0	31.9	**40.7**	**-13.3**	**54.0**	
3637.6000	38.1	A	H	1.0	180	Z	MED.	29.6	5.0	31.9	**40.8**	**-13.2**	**54.0**	
3637.6000	35.9	A	V	1.0	180	X	MED.	29.6	5.0	31.9	**38.6**	**-15.4**	**54.0**	
3637.6000	39.4	A	V	1.0	90	Y	MED.	29.6	5.0	31.9	**42.1**	**-11.9**	**54.0**	
3637.6000	38.0	A	V	1.0	90	Z	MED.	29.6	5.0	31.9	**40.7**	**-13.3**	**54.0**	
3710.0000	39.4	A	H	1.0	90	X	HIGH	29.6	5.0	31.9	**42.1**	**-11.9**	**54.0**	
3710.0000	37.6	A	H	1.0	0	Y	HIGH	29.6	5.0	31.9	**40.3**	**-13.7**	**54.0**	
3710.0000	35.0	A	H	1.0	90	Z	HIGH	29.6	5.0	31.9	**37.7**	**-16.3**	**54.0**	
3710.0000	35.1	A	V	1.0	90	X	HIGH	29.6	5.0	31.9	**37.8**	**-16.2**	**54.0**	
3710.0000	37.5	A	V	1.0	90	Y	HIGH	29.6	5.0	31.9	**40.2**	**-13.8**	**54.0**	
3710.0000	36.9	A	V	1.0	0	Z	HIGH	29.6	5.0	31.9	**39.6**	**-14.4**	**54.0**	

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

** DELTA = SPEC LIMIT - CORRECTED READING

No Harmonics Nor Emissions Found after the 4th Harmonic

RADIATED EMISSIONS

DATA SHEETS FOR THE TRANSMITTER PORTION

FOR ALL SPURIOUS EMISSIONS

RADIATED EMISSIONS

DATA SHEETS FOR THE RECEIVER PORTION

Test location: Compatible Electronics
Customer : LINX TECHNOLOGIES Date : 9/28/2000
Manufacturer : LINX TECHNOLOGIES Time : 10.18
EUT name : LINX RF TRANSCEIVER Model: TR-900-MC-PA
Specification: Fcc_B Test distance: 3.0 mtrs Lab: D
Distance correction factor(20*log(test/spec)) : 0.00
Test Mode : S/N: 3 - TRANSMITTING MODE
TEMPERATURE 73 DEGREES F.
RELATIVE HUMIDITY 56%
TESTED BY: KYLE FUJIMOTO

NO SPURIOUS EMISSIONS WERE FOUND FOR THE TRANSMITTING MODE FROM 10 kHz TO 9300 MHz IN EITHER POLARIZATION FOR ALL OF THE ANTENNAS

RADIATED EMISSIONS

DATA SHEETS FOR THE RECEIVER PORTION

HD ANTENNA

Test location: Compatible Electronics
Customer : LINX TECHNOLOGIES Date : 10/ 2/2000
Manufacturer : LINX TECHNOLOGIES Time : 9.41
EUT name : LINX RF TRANSCEIVER Model: TR-900-MC-PA
Specification: Fcc_B Test distance: 3.0 mtrs Lab: D
Distance correction factor(20*log(test/spec)) : 0.00
Test Mode : S/N: 4 - WITH HD ANTENNA
TEMPERATURE 67 DEGREES F.
RELATIVE HUMIDITY 55%
TESTED BY: KYLE FUJIMOTO

Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB
VERTICAL POLARIZATION								
1V	913.18	49.50	4.57	23.40	37.55	39.92	46.00	-6.08
2V	920.14	34.10	4.56	23.48	37.58	24.56	46.00	-21.44
3V	938.19	45.90	4.52	23.71	37.65	36.48	46.00	-9.52
4V	1826.36	40.80	3.50	24.50	33.30	35.50	54.00	-18.50
5V	1840.28	41.50	3.50	24.50	33.30	36.20	54.00	-17.80
6V	1876.38	41.70	3.70	24.50	31.90	38.00	54.00	-16.00
HORIZONTAL POLARIZATION								
7H	913.14	42.60	4.57	23.40	37.55	33.02	46.00	-12.98
8H	920.14	41.30	4.56	23.48	37.58	31.76	46.00	-14.24
9H	938.15	40.50	4.52	23.71	37.65	31.08	46.00	-14.92
10H	1826.36	39.70	3.50	24.50	33.30	34.40	54.00	-19.60
11H	1840.28	43.10	3.50	24.50	33.30	37.80	54.00	-16.20
12H	1876.38	43.10	3.70	24.50	31.90	39.40	54.00	-14.60

RADIATED EMISSIONS

DATA SHEETS FOR THE RECEIVER PORTION

CW-QW ANTENNA

114 OLINDA DRIVE, BREA, CALIFORNIA 92823 PHONE: (714) 579-0500 FAX: (714) 579-1850

Test location: Compatible Electronics
Customer : LINX TECHNOLOGIES Date : 10/ 2/2000
Manufacturer : LINX TECHNOLOGIES Time : 10.18
EUT name : LINX RF TRANSCEIVER Model: TR-900-MC-PA
Specification: Fcc_B Test distance: 3.0 mtrs Lab: D
Distance correction factor(20*log(test/spec)) : 0.00
Test Mode : S/N: 4 - WITH CM-QW ANTENNA
TEMPERATURE 67 DEGREES F.
RELATIVE HUMIDITY 55%
TESTED BY: KYLE FUJIMOTO

Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB
VERTICAL POLARIZATION								
1V	913.20	45.20	4.57	23.40	37.55	35.62	46.00	-10.38
2V	920.17	48.60	4.56	23.48	37.58	39.06	46.00	-6.94
3V	938.15	44.80	4.52	23.71	37.65	35.38	46.00	-10.62
4V	1826.38	38.70	3.50	24.50	33.30	33.40	54.00	-20.60
5V	1840.28	43.40	3.50	24.50	33.30	38.10	54.00	-15.90
6V	1876.20	44.20	3.70	24.50	31.90	40.50	54.00	-13.50
HORIZONTAL POLARIZATION								
7H	913.20	43.40	4.57	23.40	37.55	33.82	46.00	-12.18
8H	920.12	40.80	4.56	23.48	37.58	31.26	46.00	-14.74
9H	938.14	39.40	4.52	23.71	37.65	29.98	46.00	-16.02
10H	1826.28	41.00	3.50	24.50	33.30	35.70	54.00	-18.30
11H	1840.28	44.40	3.50	24.50	33.30	39.10	54.00	-14.90
12H	1876.20	46.00	3.70	24.50	31.90	42.30	54.00	-11.70

RADIATED EMISSIONS

DATA SHEETS FOR THE RECEIVER PORTION

RCS ANTENNA

114 OLINDA DRIVE, BREA, CALIFORNIA 92823 PHONE: (714) 579-0500 FAX: (714) 579-1850

Test location: Compatible Electronics
Customer : LINX TECHNOLOGIES Date : 10/ 2/2000
Manufacturer : LINX TECHNOLOGIES Time : 8.53
EUT name : LINX RF TRANSCEIVER Model: TR-900-MC-PA
Specification: Fcc_B Test distance: 3.0 mtrs Lab: D
Distance correction factor(20*log(test/spec)) : 0.00
Test Mode : S/N: 4 - WITH RCS ANTENNA
TEMPERATURE 67 DEGREES F.
RELATIVE HUMIDITY 55%
TESTED BY: KYLE FUJIMOTO

Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB
VERTICAL POLARIZATION								
1V	913.18	46.40	4.57	23.40	37.55	36.82	46.00	-9.18
2V	920.18	46.50	4.56	23.48	37.58	36.96	46.00	-9.04
3V	938.18	38.50	4.52	23.71	37.65	29.08	46.00	-16.92
4V	1826.36	39.20	3.50	24.50	33.30	33.90	54.00	-20.10
5V	1840.28	42.40	3.50	24.50	33.30	37.10	54.00	-16.90
6V	1876.38	44.40	3.70	24.50	31.90	40.70	54.00	-13.30
HORIZONTAL POLARIZATION								
7H	913.15	47.40	4.57	23.40	37.55	37.82	46.00	-8.18
8H	920.15	45.90	4.56	23.48	37.58	36.36	46.00	-9.64
9H	938.15	42.10	4.52	23.71	37.65	32.68	46.00	-13.32
10H	1826.36	37.30	3.50	24.50	33.30	32.00	54.00	-22.00
11H	1840.28	42.60	3.50	24.50	33.30	37.30	54.00	-16.70
12H	1876.38	43.10	3.70	24.50	31.90	39.40	54.00	-14.60

RADIATED EMISSIONS

DATA SHEETS FOR THE RECEIVER PORTION

RCL ANTENNA

114 OLINDA DRIVE, BREA, CALIFORNIA 92823 PHONE: (714) 579-0500 FAX: (714) 579-1850

Test location: Compatible Electronics
Customer : LINX TECHNOLOGIES Date : 10/ 2/2000
Manufacturer : LINX TECHNOLOGIES Time : 9.26
EUT name : LINX RF TRANSCEIVER Model: TR-900-MC-PA
Specification: Fcc_B Test distance: 3.0 mtrs Lab: D
Distance correction factor(20*log(test/spec)) : 0.00
Test Mode : S/N: 4 - WITH RCL ANTENNA
TEMPERATURE 67 DEGREES F.
RELATIVE HUMIDITY 55%
TESTED BY: KYLE FUJIMOTO

Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB
VERTICAL POLARIZATION								
1V	913.18	45.50	4.57	23.40	37.55	35.92	46.00	-10.08
2V	920.18	46.60	4.56	23.48	37.58	37.06	46.00	-8.94
3V	938.18	40.80	4.52	23.71	37.65	31.38	46.00	-14.62
4V	1826.36	39.30	3.50	24.50	33.30	34.00	54.00	-20.00
5V	1840.28	41.20	3.50	24.50	33.30	35.90	54.00	-18.10
6V	1876.38	44.40	3.70	24.50	31.90	40.70	54.00	-13.30
HORIZONTAL POLARIZATION								
7H	913.18	42.00	4.57	23.40	37.55	32.42	46.00	-13.58
8H	920.20	40.70	4.56	23.48	37.58	31.16	46.00	-14.84
9H	938.19	44.40	4.52	23.71	37.65	34.98	46.00	-11.02
10H	1826.36	41.80	3.50	24.50	33.30	36.50	54.00	-17.50
11H	1840.28	39.40	3.50	24.50	33.30	34.10	54.00	-19.90
12H	1876.38	41.60	3.70	24.50	31.90	37.90	54.00	-16.10

RADIATED EMISSIONS

DATA SHEETS FOR THE RECEIVER PORTION

RH ANTENNA

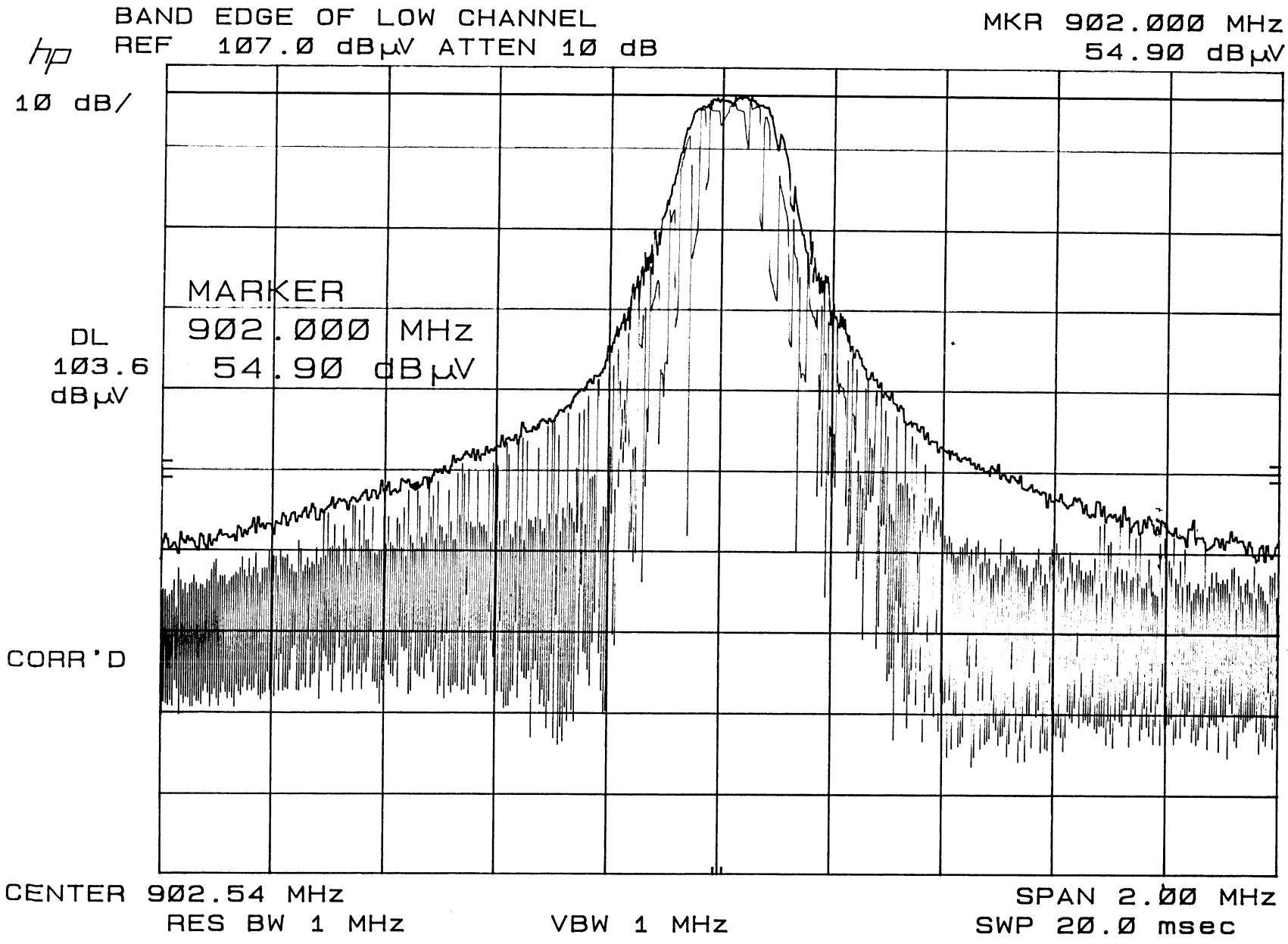
114 OLINDA DRIVE, BREA, CALIFORNIA 92823 PHONE: (714) 579-0500 FAX: (714) 579-1850

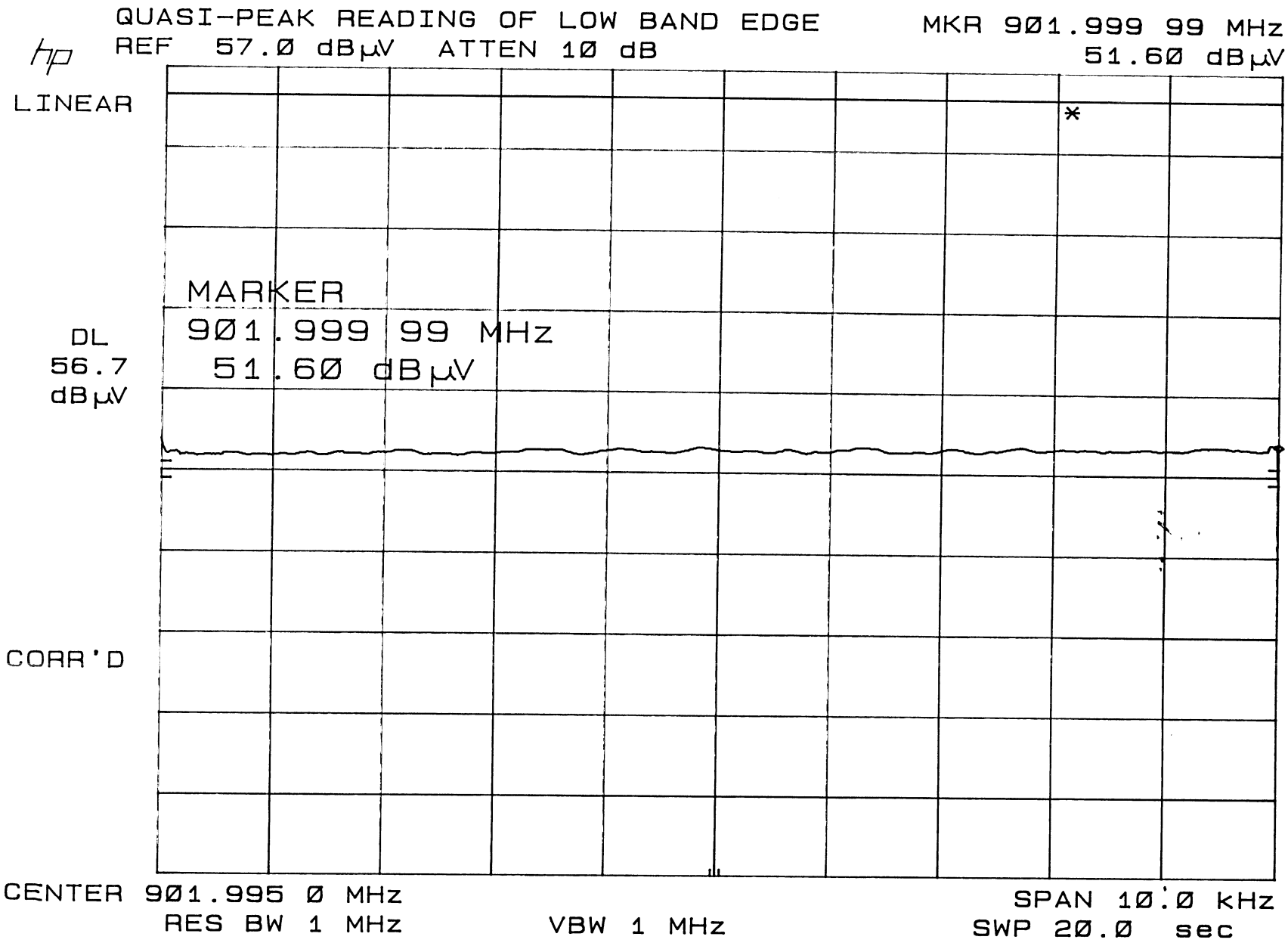
Test location: Compatible Electronics
Customer : LINX TECHNOLOGIES Date : 10/ 2/2000
Manufacturer : LINX TECHNOLOGIES Time : 8.34
EUT name : LINX RF TRANSCEIVER Model: TR-900-MC-PA
Specification: Fcc_B Test distance: 3.0 mtrs Lab: D
Distance correction factor(20*log(test/spec)) : 0.00
Test Mode : S/N: 4 - WITH RH ANTENNA
TEMPERATURE 67 DEGREES F.
RELATIVE HUMIDITY 55%
TESTED BY: KYLE FUJIMOTO

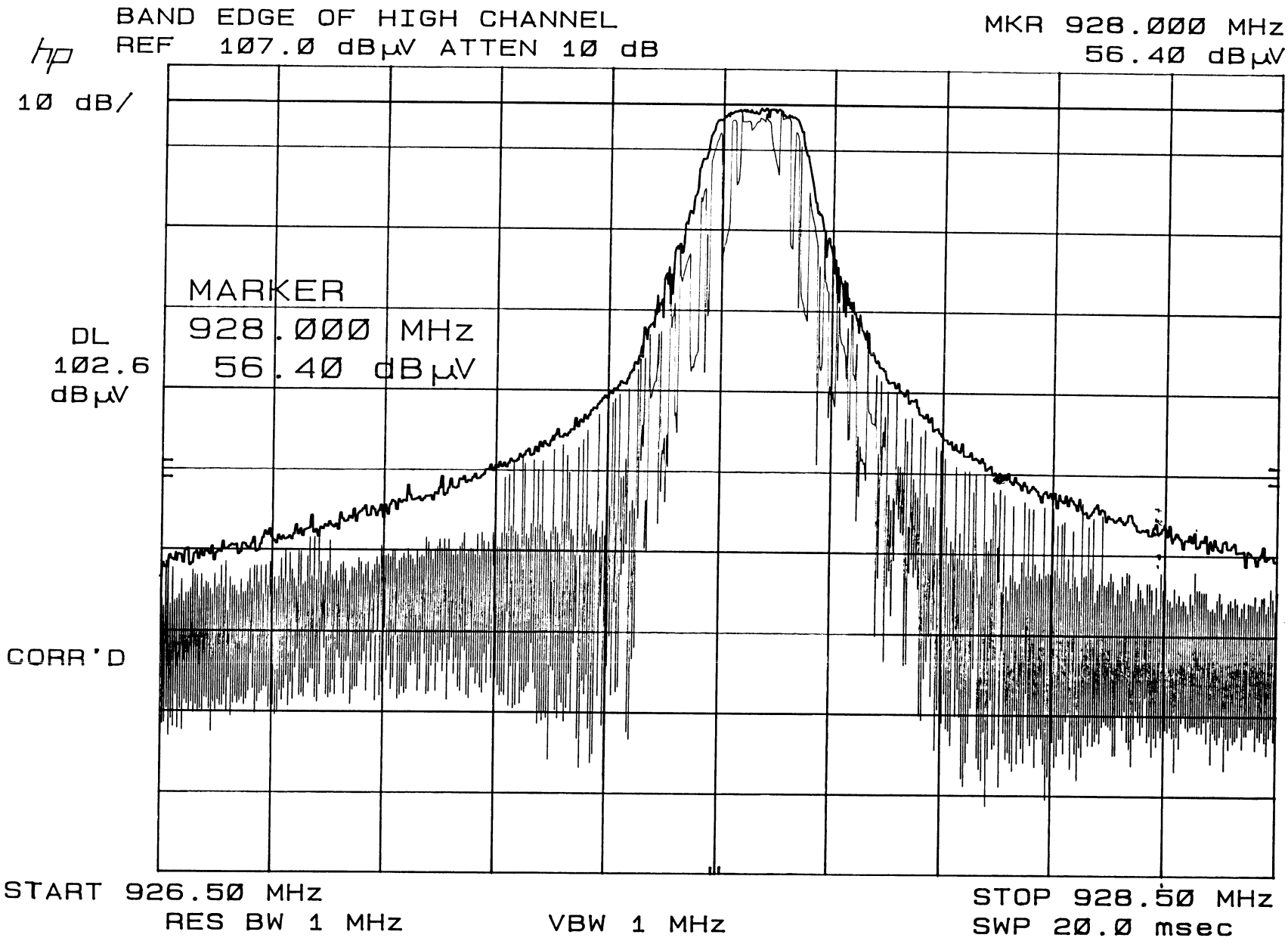
Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB
VERTICAL POLARIZATION								
1V	913.17	43.10	4.57	23.40	37.55	33.52	46.00	-12.48
2V	920.18	46.30	4.56	23.48	37.58	36.76	46.00	-9.24
3V	938.17	46.10	4.52	23.71	37.65	36.68	46.00	-9.32
4V	1826.36	41.60	3.50	24.50	33.30	36.30	54.00	-17.70
5V	1840.28	41.60	3.50	24.50	33.30	36.30	54.00	-17.70
6V	1876.38	41.60	3.70	24.50	31.90	37.90	54.00	-16.10
HORIZONTAL POLARIZATION								
7H	913.17	43.30	4.57	23.40	37.55	33.72	46.00	-12.28
8H	920.13	40.90	4.56	23.48	37.58	31.36	46.00	-14.64
9H	938.17	37.40	4.52	23.71	37.65	27.98	46.00	-18.02
10H	1826.36	39.90	3.50	24.50	33.30	34.60	54.00	-19.40
11H	1840.28	40.20	3.50	24.50	33.30	34.90	54.00	-19.10
12H	1876.38	40.10	3.70	24.50	31.90	36.40	54.00	-17.60

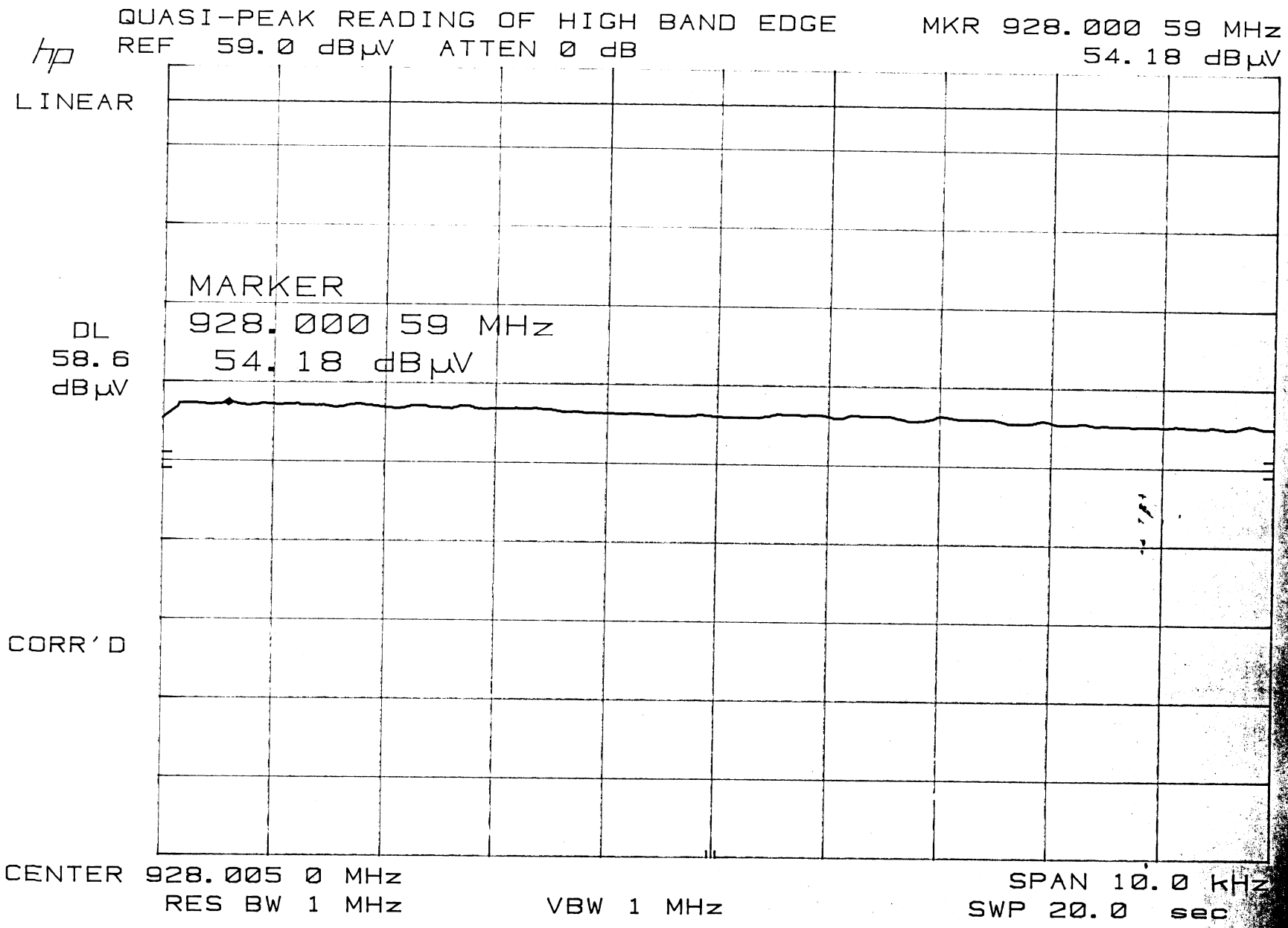
BAND EDGES

DATA SHEETS


BAND EDGE OF LOW CHANNEL
REF 107.0 dBµV ATTEN 10 dB
MKR 902.000 MHz
54.90 dBµV
10 dB/
MARKER
902.000 MHz
54.90 dBµV
DL
103.6
dBµV
CORR'D
CENTER 902.54 MHz
RES BW 1 MHz
VBW 1 MHz
SPAN 2.00 MHz
SWP 20.0 msec


QUASI-PEAK READING OF LOW BAND EDGE
MKR 901.999 99 MHz
REF 57.0 dBµV ATTEN 10 dB
51.60 dBµV
LINEAR
MARKER
901.999 99 MHz
51.60 dBµV
DL
56.7
dBµV
CORR'D
CENTER 901.995 0 MHz
RES BW 1 MHz
VBW 1 MHz
SPAN 10.0 kHz
SWP 20.0 sec


BAND EDGE OF HIGH CHANNEL
REF 107.0 dBµV ATTEN 10 dB
MKR 928.000 MHz
56.40 dBµV
10 dB/
MARKER
928.000 MHz
56.40 dBµV
DL
102.6
dBµV
CORR'D
START 926.50 MHz
RES BW 1 MHz
VBW 1 MHz
STOP 928.50 MHz
SWP 20.0 msec


QUASI-PEAK READING OF HIGH BAND EDGE
REF 59.0 dBµV ATTEN 0 dB
MKR 928.000 59 MHz
54.18 dBµV
LINEAR
MARKER
928.000 59 MHz
54.18 dBµV
DL
58.6
dBµV
CORR'D
CENTER 928.005 0 MHz
RES BW 1 MHz
VBW 1 MHz
SPAN 10.0 kHz
SWP 20.0 sec

Test location: Compatible Electronics
Customer : LINX TECHNOLOGIES Date : 9/28/2000
Manufacturer : LINX TECHNOLOGIES Time : 9.53
EUT name : LINX RF TRANSCEIVER Model: TR-900-MC-PA
Specification: Fcc_B Test distance: 3.0 mtrs Lab: D
Distance correction factor(20*log(test/spec)) : 0.00
Test Mode : BAND EDGES AT THE LOW AND HIGH CHANNELS
TAKEN AT 3 METERS USING THE PREAMPLIFIER
TO BE ABLE TO SEE THE BAND EDGE EMISSIONS
TESTED BY: KYLE FUJIMOTO

Pol	Freq	Rdng	Cable loss	Ant factor	Amp gain	Cor'd rdg = R	limit = L	Delta R-L
	MHz	dBuV	dB	dB	dB	dBuV	dBuV/m	dB
1V	902.00	54.90	4.60	23.30	37.51	45.29	46.00	-0.71
2V	902.00	51.60	4.60	23.30	37.51	41.99Qp	46.00	-4.01
3V	928.00	56.40	4.60	23.50	37.61	46.89	46.00	0.89
4V	928.00	54.18	4.60	23.50	37.61	44.67Qp	46.00	-1.33

Qp = Quasi Peak Reading