FCC PART 15, SUBPART B and C
TEST REPORT

for

TRANSMITTER

MODEL: TX10K

Prepared for

BINSFELD ENGINEERING, INC.
4571 W. MACFARLANE ROAD
MAPLE CITY, MICHIGAN 49664

Prepared by:_____

KYLE FUJIMOTO

Approved by:_____

JAMES ROSS

COMPATIBLE ELECTRONICS INC.
114 OLINDA DRIVE
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DATE: MAY 24, 2007

	REPORT BODY	APPENDICES					TOTAL
		A	***B***	***C***	***D***	***E***	
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1	Plot Map And Layout of 3 Meter Radiated Site

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:	Transmitter Model: TX10K S/N: N/A
Product Description:	See Expository Statement.
Modifications:	The EUT was not modified in order to meet the specifications.
Manufacturer:	Binsfeld Engineering, Inc. 4571 W. MacFarlane Road Maple City, Michigan 49664
Test Date:	May 17, 2007
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
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 is battery powered only and does not connect to the AC public mains.
2	Radiated RF Emissions, 10 kHz – 9300 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 Transmitter, Model: TX10K. The EMI measurements were performed according to the measurement procedure described in ANSI C63.4. 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

Binsfeld Engineering, Inc.

Stephen Tarsa Vice President

Compatible Electronics, Inc.

Kyle Fujimoto Test Engineer
James Ross Test Engineer

2.4 Date Test Sample was Received

The test sample was received on May 17, 2007

2.5 Disposition of the Test Sample

The sample has not yet been returned to Binsfeld Engineering, Inc. as of May 24, 2007.

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
PCB	Printed Circuit Board

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 2003	American National Standard for 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 Transmitter Model: TX10K (EUT) was connected to a battery and bridge simulator. The EUT was tested in three orthogonal axis. The EUT was continuously transmitting.

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

Cable 1 This is a 1-meter unshielded cable connecting the EUT's +B port to the battery. The cable is hard wired at each end.

Cable 2 This is a 1-meter unshielded cable connecting the EUT's -B port to the battery. The cable is hard wired at each end.

Cable 3 This is a 1-meter unshielded cable connecting the EUT's +E port to the bridge simulator. The cable is hard wired at each end.

Cable 4 This is a 1-meter unshielded cable connecting the EUT's -E port to the bridge simulator. The cable is hard wired at each end.

Cable 5 This is a 1-meter unshielded cable connecting the EUT's +S port to the bridge simulator. The cable is hard wired at each end.

Cable 6 This is a 1-meter unshielded cable connecting the EUT's -S port to the bridge simulator. The cable is hard wired at each end.

5. LISTS OF EUT, ACCESSORIES AND TEST EQUIPMENT

5.1 EUT and Accessory List

EQUIPMENT	MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	FCC ID
TRANSMITTER (EUT)	BINSFELD ENGINEERING, INC.	TX10K	N/A	**HWN-TX10K**
BATTERY	BINSFELD ENGINEERING, INC.	N/A	N/A	**N/A**
BRIDGE SIMULATOR	BINSFELD ENGINEERING, INC.	BS900	N/A	**N/A**

5.2 EMI Test Equipment

EQUIPMENT TYPE	MANU-FACTURER	MODEL NUMBER	SERIAL NUMBER	CALIBRATION DATE	CALIBRATION DUE DATE
GENERAL TEST EQUIPMENT USED FOR ALL RF EMISSIONS TESTS					
Computer	Hewlett Packard	4530	US91912319	N/A	N/A
EMI Receiver	Rohde & Schwarz	ESIB40	100194	November 18, 2005	November 18, 2007
Monitor	Hewlett Packard	D5258A	TW74500641	N/A	N/A
RF RADIATED EMISSIONS TEST EQUIPMENT					
Radiated Emissions Data Capture Program	Compatible Electronics	2.0	N/A	N/A	N/A
Preamplifier	Com Power	PA-102	1017	January 16, 2007	Jan. 16, 2008
Biconical Antenna	Com Power	AB-900	15227	March 8, 2007	March 8, 2008
Log Periodic Antenna	Com Power	AL-100	16060	July 17, 2006	July 17, 2007
Loop Antenna	Com Power	AL-130	17089	September 21, 2005	Sept. 21, 2007
Horn Antenna	Antenna Research	DRG-118/A	1053	March 6, 2006	March 6, 2008
Microwave Preamplifier	Com Power	PA-122	181921	February 27, 2007	Feb. 27, 2008
Antenna Mast	Com Power	AM-100	N/A	N/A	N/A

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 EMI Receiver 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 from 1 GHz to 9.1 GHz. The EMI Receiver was used in the peak detect mode with the "Max Hold" feature activated. In this mode, the EMI Receiver records the highest measured reading over all the sweeps.

The frequencies above 1 GHz were averaged manually by narrowing the video filter down to 10 Hz and putting the sweep time on AUTO on the spectrum analyzer 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. 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.

7.2 Radiated Emissions (Spurious and Harmonics) Test (continued)

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.

Test Results:

The EUT complies with the **Class B** limits of CFR Title 47, Part 15, Subpart B; and CFR Title 47, Part 15, Subpart C, sections 15.205, 15.209, and 15.249.

8. CONCLUSIONS

The Transmitter, Model: TX10K 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 to the EUT.

APPENDIX C

ADDITIONAL MODELS COVERED UNDER THIS REPORT

ADDITIONAL MODELS COVERED UNDER THIS REPORT

USED FOR THE PRIMARY TEST

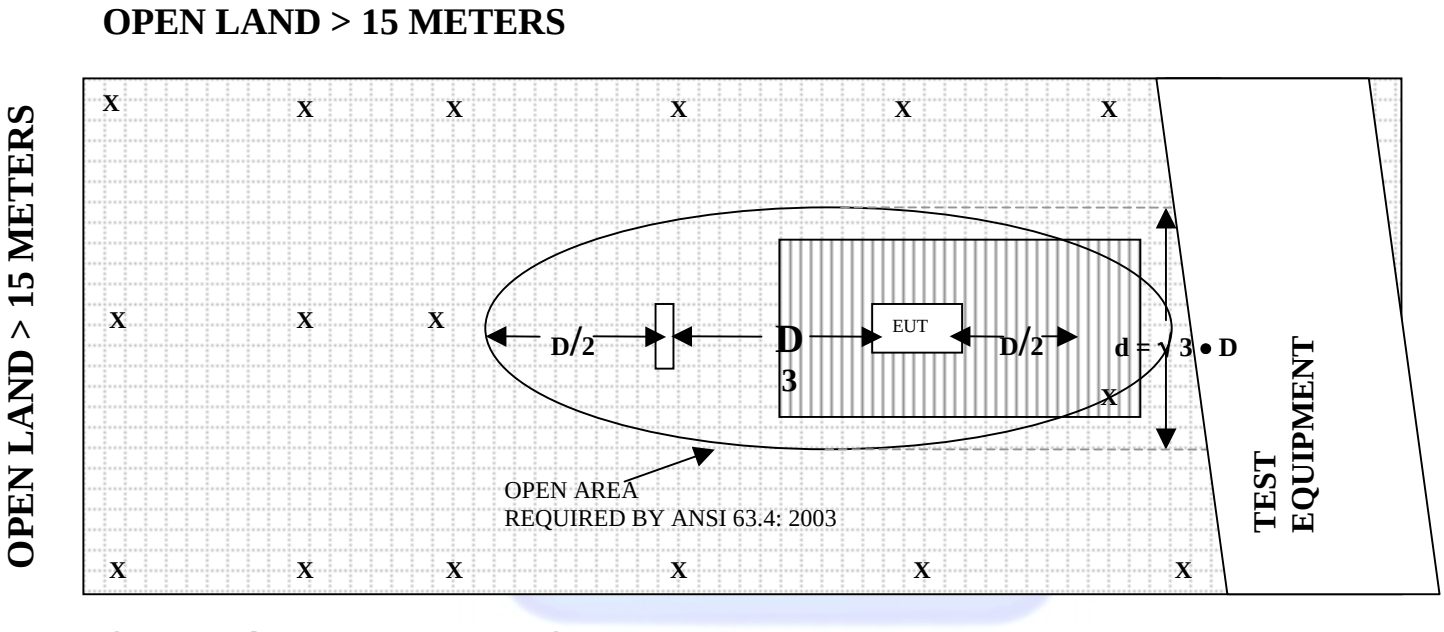
Transmitter
Model: TX10K
S/N: N/A

There were no additional models covered under this report.

APPENDIX D

DIAGRAMS, CHARTS, AND PHOTOS

FIGURE 1: PLOT MAP AND LAYOUT OF 3 METER RADIATED SITE



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

COM-POWER AB-900

BICONICAL ANTENNA

S/N: 15227

CALIBRATION DATE: MARCH 8, 2007

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	12.6	100	12.3
35	10.0	120	14.7
40	9.5	140	13.0
45	9.2	160	13.7
50	9.4	180	16.4
60	7.4	200	17.2
70	6.5	250	14.6
80	7.0	275	19.0
90	8.0	300	22.3

COM-POWER AL-100

LOG PERIODIC ANTENNA

S/N: 16060

CALIBRATION DATE: JULY 17, 2006

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
300	13.58	700	20.49
400	14.53	800	20.13
500	15.36	900	22.15
600	18.29	1000	22.76

COM-POWER PA-102

PREAMPLIFIER

S/N: 1017

CALIBRATION DATE: JANUARY 16, 2007

FREQUENCY (MHz)	FACTOR (dB)	FREQUENCY (MHz)	FACTOR (dB)
30	38.4	300	38.2
40	38.3	350	38.2
50	38.2	400	38.1
60	38.3	450	37.8
70	38.4	500	37.8
80	38.6	550	38.1
90	38.3	600	37.8
100	38.4	650	37.8
125	38.3	700	37.6
150	38.2	750	37.9
175	38.4	800	37.6
200	38.4	850	37.2
225	38.4	900	37.4
250	38.3	950	37.0
275	38.3	1000	37.2

COM-POWER PA-122

PREAMPLIFIER

S/N: 181921

CALIBRATION DATE: FEBRUARY 27, 2007

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	36.2	10.0	35.1
1.5	35.4	10.5	34.8
2.0	34.7	11.0	33.5
2.5	34.8	11.5	33.9
3.0	34.8	12.0	34.0
3.5	34.6	12.5	34.4
4.0	34.2	13.0	34.4
4.5	34.1	13.5	34.7
5.0	34.1	14.0	36.0
5.5	34.7	14.5	35.7
6.0	35.6	15.0	36.1
6.5	36.8	15.5	35.6
7.0	36.7	16.0	35.4
7.5	34.9	16.5	35.3
8.0	33.3	17.0	34.9
8.5	33.6	17.5	33.7
9.0	34.6	18.0	33.3
9.5	35.9		

ANTENNA RESEARCH DRG-118/A

HORN ANTENNA

S/N: 1053

CALIBRATION DATE: MARCH 6, 2006

FREQUENCY (GHz)	FACTOR (dB)	FREQUENCY (GHz)	FACTOR (dB)
1.0	24.46	10.0	39.55
1.5	25.05	10.5	39.86
2.0	28.42	11.0	38.49
2.5	29.91	11.5	40.71
3.0	31.46	12.0	40.59
3.5	31.91	12.5	40.17
4.0	31.55	13.0	39.70
4.5	31.94	13.5	40.84
5.0	32.90	14.0	41.58
5.5	34.07	14.5	45.14
6.0	35.69	15.0	42.20
6.5	33.11	15.5	39.42
7.0	36.51	16.0	38.80
7.5	37.27	16.5	41.08
8.0	37.21	17.0	44.11
8.5	37.16	17.5	46.29
9.0	38.27	18.0	41.61
9.5	39.73		

COM-POWER AL-130

LOOP ANTENNA

S/N: 17089

CALIBRATION DATE: SEPTEMBER 21, 2005

FREQUENCY (MHz)	MAGNETIC (dB/m)	ELECTRIC (dB/m)
0.009	-42.84	8.66
0.01	-41.93	9.57
0.02	-41.29	10.21
0.05	-42.37	9.13
0.07	-41.8	9.7
0.1	-41.83	9.67
0.2	-44.13	7.37
0.3	-41.73	9.77
0.5	-41.8	9.7
0.7	-41.53	9.97
1	-41.46	10.04
2	-41.14	10.36
3	-41.26	10.24
4	-41.46	10.04
5	-41.10	10.40
10	-40.83	10.67
15	-41.47	10.03
20	-35.44	16.06
25	-42.37	9.13
30	-42.94	8.56

FRONT VIEW

BINSFELD ENGINEERING, INC.
TRANSMITTER
MODEL: TX10K
FCC SUBPART B AND FCC SUBPART C – RADIATED EMISSIONS – LAB B

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

REAR VIEW

BINSFELD ENGINEERING, INC.
TRANSMITTER
MODEL: TX10K
FCC SUBPART B AND FCC SUBPART C – RADIATED EMISSIONS – LAB B

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

FRONT VIEW

BINSFELD ENGINEERING, INC.
TRANSMITTER
MODEL: TX10K
FCC SUBPART B AND FCC SUBPART C – RADIATED EMISSIONS – LAB D

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

REAR VIEW

BINSFELD ENGINEERING, INC.
TRANSMITTER
MODEL: TX10K
FCC SUBPART B AND FCC SUBPART C – RADIATED EMISSIONS – LAB D

PHOTOGRAPH SHOWING THE EUT CONFIGURATION FOR MAXIMUM EMISSIONS

APPENDIX E

DATA SHEETS

RADIATED EMISSIONS

DATA SHEETS

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Low Channel
X-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
902.58	86.06	V	94	-7.94	Peak	1	90	
902.58	85.78	V	94	-8.22	QP	1	90	
1805.16	43.01	V	74	-30.99	Peak	2.27	135	
1805.16	34.36	V	54	-19.64	Avg	2.27	135	
2707.74	44.79	V	74	-29.21	Peak	1.87	125	
2707.74	30.69	V	54	-23.31	Avg	1.87	125	
3610.32	47.68	V	74	-26.32	Peak	1.56	135	
3610.32	36.68	V	54	-17.32	Avg	1.56	135	
4512.9	46.15	V	74	-27.85	Peak	1.51	135	
4512.9	33.27	V	54	-20.73	Avg	1.51	135	
5415.48	42.79	V	74	-31.21	Peak	1.52	135	
5415.48	29.42	V	54	-24.58	Avg	1.52	135	
6318.06	43.17	V	74	-30.83	Peak	1.53	125	
6318.06	30.65	V	54	-23.35	Avg	1.53	125	
7220.64	44.75	V	74	-29.25	Peak	1.51	125	
7220.64	32.57	V	54	-21.43	Avg	1.51	125	
8123.2	45.41	V	74	-28.59	Peak	1.52	125	
8123.2	33.99	V	54	-20.01	Avg	1.52	125	
9025.8	48.06	V	74	-25.94	Peak	1.52	135	
9025.8	35.01	V	54	-18.99	Avg	1.52	135	

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Low Channel
X-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
902.58	91.55	H	94	-2.45	Peak	1	90	
902.58	91.31	H	94	-2.69	QP	1	90	
1805.16	48.63	H	74	-25.37	Peak	2.47	135	
1805.16	44.09	H	54	-9.91	Avg	2.47	135	
2707.74	43.79	H	74	-30.21	Peak	1.98	125	
2707.74	31.61	H	54	-22.39	Avg	1.98	125	
3610.32	46.52	H	74	-27.48	Peak	1.99	125	
3610.32	31.85	H	54	-22.15	Avg	1.99	125	
4512.9	44.84	H	74	-29.16	Peak	1.79	135	
4512.9	33.16	H	54	-20.84	Avg	1.79	135	
5415.48	41.73	H	74	-32.27	Peak	1.79	125	
5415.48	29.27	H	54	-24.73	Avg	1.79	125	
6318.06	43.88	H	74	-30.12	Peak	1.85	135	
6318.06	30.18	H	54	-23.82	Avg	1.85	135	
7220.64	46.05	H	74	-27.95	Peak	1.79	135	
7220.64	32.26	H	54	-21.74	Avg	1.79	135	
8123.2	45.56	H	74	-28.44	Peak	1.72	125	
8123.2	33.77	H	54	-20.23	Avg	1.72	125	
9025.8	47.14	H	74	-26.86	Peak	1.85	135	
9025.8	34.72	H	54	-19.28	Avg	1.85	135	

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Low Channel
Y-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
902.58	92.25	V	94	-1.75	Peak	1	90	
902.58	91.56	V	94	-2.44	QP	1	90	
1805.16	52.46	V	74	-21.54	Peak	1.42	135	
1805.16	50.24	V	54	-3.76	Avg	1.42	135	
2707.74	44.71	V	74	-29.29	Peak	2.14	135	
2707.74	30.27	V	54	-23.73	Avg	2.14	135	
3610.32	49.99	V	74	-24.01	Peak	1.35	125	
3610.32	41.58	V	54	-12.42	Avg	1.35	125	
4512.9	45.44	V	74	-28.56	Peak	1.34	135	
4512.9	33.24	V	54	-20.76	Avg	1.34	135	
5415.48	40.71	V	74	-33.29	Peak	1.25	125	
5415.48	29.44	V	54	-24.56	Avg	1.25	125	
6318.06	42.26	V	74	-31.74	Peak	1.65	125	
6318.06	30.53	V	54	-23.47	Avg	1.65	125	
7220.64	44.76	V	74	-29.24	Peak	1.65	125	
7220.64	32.51	V	54	-21.49	Avg	1.65	125	
8123.2	46.31	V	74	-27.69	Peak	1.58	125	
8123.2	34.09	V	54	-19.91	Avg	1.58	125	
9025.8	48.11	V	74	-25.89	Peak	1.56	135	
9025.8	35.01	V	54	-18.99	Avg	1.56	135	

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Low Channel
Y-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
902.58	90.68	H	94	-3.32	Peak	1	180	
902.58	90.41	H	94	-3.59	QP	1	180	
1805.16	49.11	H	74	-24.89	Peak	1.19	125	
1805.16	45.61	H	54	-8.39	Avg	1.19	125	
2707.74	42.65	H	74	-31.35	Peak	2.23	135	
2707.74	30.81	H	54	-23.19	Avg	2.23	135	
3610.32	46.94	H	74	-27.06	Peak	2.23	125	
3610.32	34.56	H	54	-19.44	Avg	2.23	125	
4512.9	46.44	H	74	-27.56	Peak	2.25	125	
4512.9	33.26	H	54	-20.74	Avg	2.25	125	
5415.48	52.15	H	74	-21.85	Peak	2.28	315	
5415.48	37.49	H	54	-16.51	Avg	2.28	315	
6318.06	42.25	H	74	-31.75	Peak	2.25	135	
6318.06	32.26	H	54	-21.74	Avg	2.25	135	
7220.64	44.11	H	74	-29.89	Peak	2.28	125	
7220.64	33.01	H	54	-20.99	Avg	2.28	125	
8123.2	45.67	H	74	-28.33	Peak	2.25	125	
8123.2	33.68	H	54	-20.32	Avg	2.25	125	
9025.8	47.23	H	74	-26.77	Peak	2.29	125	
9025.8	34.74	H	54	-19.26	Avg	2.29	125	

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Low Channel
Z-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
902.58	87.46	V	94	-6.54	Peak	1	180	
902.58	87.18	V	94	-6.82	QP	1	180	
1805.16	43.43	V	74	-30.57	Peak	2.71	125	
1805.16	34.47	V	54	-19.53	Avg	2.71	125	
2707.74	44.37	V	74	-29.63	Peak	1.82	125	
2707.74	32.63	V	54	-21.37	Avg	1.82	125	
3610.32	46.11	V	74	-27.89	Peak	1.62	125	
3610.32	34.83	V	54	-19.17	Avg	1.62	125	
4512.9	45.77	V	74	-28.23	Peak	1.55	125	
4512.9	33.28	V	54	-20.72	Avg	1.55	125	
5415.48	41.75	V	74	-32.25	Peak	1.59	125	
5415.48	29.38	V	54	-24.62	Avg	1.59	125	
6318.06	44.57	V	74	-29.43	Peak	1.45	125	
6318.06	30.54	V	54	-23.46	Avg	1.45	125	
7220.64	45.01	V	74	-28.99	Peak	1.43	125	
7220.64	32.46	V	54	-21.54	Avg	1.43	125	
8123.2	46.26	V	74	-27.74	Peak	1.42	125	
8123.2	34.14	V	54	-19.86	Avg	1.42	125	
9025.8	47.65	V	74	-26.35	Peak	1.43	125	
9025.8	34.96	V	54	-19.04	Avg	1.43	125	

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Low Channel
Z-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
902.58	93.39	H	94	-0.61	Peak	1	90	
902.58	93.14	H	94	-0.86	QP	1	90	
1805.16	47.67	H	74	-26.33	Peak	2.25	135	
1805.16	43.88	H	54	-10.12	Avg	2.25	135	
2707.74	45.43	H	74	-28.57	Peak	1.81	125	
2707.74	34.02	H	54	-19.98	Avg	1.81	125	
3610.32	46.34	H	74	-27.66	Peak	1.68	125	
3610.32	32.06	H	54	-21.94	Avg	1.68	125	
4512.9	45.51	H	74	-28.49	Peak	1.69	125	
4512.9	33.17	H	54	-20.83	Avg	1.69	125	
5415.48	50.49	H	74	-23.51	Peak	1.63	180	
5415.48	37.52	H	54	-16.48	Avg	1.63	180	
6318.06	40.56	H	74	-33.44	Peak	1.63	125	
6318.06	30.34	H	54	-23.66	Avg	1.63	125	
7220.64	45.19	H	74	-28.81	Peak	1.68	125	
7220.64	32.74	H	54	-21.26	Avg	1.68	125	
8123.2	46.82	H	74	-27.18	Peak	1.75	125	
8123.2	33.87	H	54	-20.13	Avg	1.75	125	
9025.8	46.51	H	74	-27.49	Peak	1.64	158	
9025.8	34.85	H	54	-19.15	Avg	1.64	158	

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Middle Channel
X-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
914.58	86.59	V	94	-7.41	Peak	1	90	
914.58	86.25	V	94	-7.75	QP	1	90	
1829.17	46.84	V	74	-27.16	Peak	2.55	135	
1829.17	42.42	V	54	-11.58	Avg	2.55	135	
2743.8	43.81	V	74	-30.19	Peak	1.97	135	
2743.8	30.23	V	54	-23.77	Avg	1.97	135	
3658.3	48.17	V	74	-25.83	Peak	1.81	135	
3658.3	32.32	V	54	-21.68	Avg	1.81	135	
4572.9	46.18	V	74	-27.82	Peak	1.82	135	
4572.9	33.07	V	54	-20.93	Avg	1.82	135	
5487.5	50.33	V	74	-23.67	Peak	1.72	135	
5487.5	37.91	V	54	-16.09	Avg	1.72	135	
6402.1	51.74	V	74	-22.26	Peak	1.92	135	
6402.1	39.24	V	54	-14.76	Avg	1.92	135	
7316.6	47.51	V	74	-26.49	Peak	1.93	135	
7316.6	33.32	V	54	-20.68	Avg	1.93	135	
8231.2	45.25	V	74	-28.75	Peak	1.92	125	
8231.2	33.37	V	54	-20.63	Avg	1.92	125	
9145.8	48.62	V	74	-25.38	Peak	1.93	135	
9145.8	36.08	V	54	-17.92	Avg	1.93	135	

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Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Middle Channel
X-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
914.58	92.09	H	94	-1.91	Peak	1.25	135	
914.58	91.83	H	94	-2.17	QP	1.25	135	
1829.17	44.19	H	74	-29.81	Peak	2.38	150	
1829.17	35.45	H	54	-18.55	Avg	2.38	150	
2743.8	42.36	H	74	-31.64	Peak	2.05	135	
2743.8	31.76	H	54	-22.24	Avg	2.05	135	
3658.3	46.56	H	74	-27.44	Peak	2.06	125	
3658.3	32.27	H	54	-21.73	Avg	2.06	125	
4572.9	44.49	H	74	-29.51	Peak	2.05	125	
4572.9	32.99	H	54	-21.01	Avg	2.05	125	
5487.5	41.54	H	74	-32.46	Peak	2.07	125	
5487.5	30.31	H	54	-23.69	Avg	2.07	125	
6402.1	42.07	H	74	-31.93	Peak	2.06	135	
6402.1	29.33	H	54	-24.67	Avg	2.06	135	
7316.6	45.77	H	74	-28.23	Peak	2.07	125	
7316.6	33.35	H	54	-20.65	Avg	2.07	125	
8231.2	45.35	H	74	-28.65	Peak	2.01	125	
8231.2	33.08	H	54	-20.92	Avg	2.01	125	
9145.8	47.41	H	74	-26.59	Peak	2.09	125	
9145.8	35.99	H	54	-18.01	Avg	2.09	125	

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Middle Channel
Y-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
914.58	92.81	V	94	-1.19	Peak	1	180	
914.58	92.53	V	94	-1.47	QP	1	180	
1829.17	53.36	V	74	-20.64	Peak	1.38	180	
1829.17	50.85	V	54	-3.15	Avg	1.38	180	
2743.8	43.59	V	74	-30.41	Peak	1.38	135	
2743.8	31.03	V	54	-22.97	Avg	1.38	135	
3658.3	44.92	V	74	-29.08	Peak	1.38	315	
3658.3	32.93	V	54	-21.07	Avg	1.38	315	
4572.9	45.78	V	74	-28.22	Peak	2.26	135	
4572.9	33.07	V	54	-20.93	Avg	2.26	135	
5487.5	43.27	V	74	-30.73	Peak	2.26	135	
5487.5	30.28	V	54	-23.72	Avg	2.26	135	
6402.1	44.22	V	74	-29.78	Peak	2.26	135	
6402.1	30.11	V	54	-23.89	Avg	2.26	135	
7316.6	45.07	V	74	-28.93	Peak	2.26	180	
7316.6	33.19	V	54	-20.81	Avg	2.26	180	
8231.2	46.53	V	74	-27.47	Peak	2.27	180	
8231.2	33.45	V	54	-20.55	Avg	2.27	180	
9145.8	48.18	V	74	-25.82	Peak	2.28	135	
9145.8	36.17	V	54	-17.83	Avg	2.28	135	

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Middle Channel
Y-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
914.58	90.81	H	94	-3.19	Peak	1.25	135	
914.58	90.54	H	94	-3.46	QP	1.25	135	
1829.17	48.51	H	74	-25.49	Peak	1.22	135	
1829.17	43.81	H	54	-10.19	Avg	1.22	135	
2743.8	43.57	H	74	-30.43	Peak	1.23	135	
2743.8	30.66	H	54	-23.34	Avg	1.23	135	
3658.3	44.84	H	74	-29.16	Peak	1.88	135	
3658.3	34.78	H	54	-19.22	Avg	1.88	135	
4572.9	45.56	H	74	-28.44	Peak	1.83	125	
4572.9	33.04	H	54	-20.96	Avg	1.83	125	
5487.5	41.13	H	74	-32.87	Peak	1.84	125	
5487.5	30.43	H	54	-23.57	Avg	1.84	125	
6402.1	42.71	H	74	-31.29	Peak	1.83	135	
6402.1	29.61	H	54	-24.39	Avg	1.83	135	
7316.6	45.33	H	74	-28.67	Peak	1.83	135	
7316.6	33.51	H	54	-20.49	Avg	1.83	135	
8231.2	45.63	H	74	-28.37	Peak	1.85	125	
8231.2	33.41	H	54	-20.59	Avg	1.85	125	
9145.8	48.56	H	74	-25.44	Peak	1.83	125	
9145.8	36.11	H	54	-17.89	Avg	1.83	125	

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Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Middle Channel
Z-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
914.58	81.36	V	94	-12.64	Peak	1	0	
914.58	81.04	V	94	-12.96	QP	1	0	
1829.17	43.79	V	74	-30.21	Peak	2.51	135	
1829.17	33.06	V	54	-20.94	Avg	2.51	135	
2743.8	44.69	V	74	-29.31	Peak	1.72	135	
2743.8	31.67	V	54	-22.33	Avg	1.72	135	
3658.3	47.05	V	74	-26.95	Peak	1.78	135	
3658.3	34.19	V	54	-19.81	Avg	1.78	135	
4572.9	45.58	V	74	-28.42	Peak	1.72	125	
4572.9	33.01	V	54	-20.99	Avg	1.72	125	
5487.5	41.86	V	74	-32.14	Peak	1.75	180	
5487.5	29.99	V	54	-24.01	Avg	1.75	180	
6402.1	41.46	V	74	-32.54	Peak	1.72	180	
6402.1	29.65	V	54	-24.35	Avg	1.72	180	
7316.6	45.48	V	74	-28.52	Peak	1.72	135	
7316.6	33.62	V	54	-20.38	Avg	1.72	135	
8231.2	45.44	V	74	-28.56	Peak	1.75	125	
8231.2	33.45	V	54	-20.55	Avg	1.75	125	
9145.8	46.82	V	74	-27.18	Peak	1.73	135	
9145.8	36.11	V	54	-17.89	Avg	1.73	135	

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Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Middle Channel
Z-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
914.58	93.1	H	94	-0.9	Peak	1	135	
914.58	92.76	H	94	-1.24	QP	1	135	
1829.17	48.13	H	74	-25.87	Peak	2.48	135	
1829.17	42.79	H	54	-11.21	Avg	2.48	135	
2743.8	42.52	H	74	-31.48	Peak	1.88	135	
2743.8	31.17	H	54	-22.83	Avg	1.88	135	
3658.3	46.89	H	74	-27.11	Peak	1.67	135	
3658.3	32.32	H	54	-21.68	Avg	1.67	135	
4572.9	45.64	H	74	-28.36	Peak	1.67	135	
4572.9	33.08	H	54	-20.92	Avg	1.67	135	
5487.5	49.77	H	74	-24.23	Peak	1.66	135	
5487.5	38.22	H	54	-15.78	Avg	1.66	135	
6402.1	41.63	H	74	-32.37	Peak	1.59	125	
6402.1	29.63	H	54	-24.37	Avg	1.59	125	
7316.6	45.07	H	74	-28.93	Peak	1.59	135	
7316.6	33.01	H	54	-20.99	Avg	1.59	135	
8231.2	45.26	H	74	-28.74	Peak	1.59	135	
8231.2	33.33	H	54	-20.67	Avg	1.59	135	
9145.8	48.35	H	74	-25.65	Peak	1.59	135	
9145.8	36.07	H	54	-17.93	Avg	1.59	135	

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

High Channel
X-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
925.09	85.99	V	94	-8.01	Peak	1.25	90	
925.09	85.61	V	94	-8.39	QP	1.25	90	
1850.2	43.81	V	74	-30.19	Peak	2.61	135	
1850.2	36.13	V	54	-17.87	Avg	2.61	135	
2775.3	44.55	V	74	-29.45	Peak	1.82	125	
2775.3	30.49	V	54	-23.51	Avg	1.82	125	
3700.3	41.84	V	74	-32.16	Peak	2.19	135	
3700.3	28.02	V	54	-25.98	Avg	2.19	135	
4625.4	40.61	V	74	-33.39	Peak	2.19	125	
4625.4	28.08	V	54	-25.92	Avg	2.19	125	
5550.5	42.51	V	74	-31.49	Peak	2.08	135	
5550.5	30.11	V	54	-23.89	Avg	2.08	135	
6475.6	43.51	V	74	-30.49	Peak	1.89	125	
6475.6	29.37	V	54	-24.63	Avg	1.89	125	
7400.7	46.37	V	74	-27.63	Peak	1.85	315	
7400.7	34.67	V	54	-19.33	Avg	1.85	315	
8325.8	45.65	V	74	-28.35	Peak	1.85	45	
8325.8	33.36	V	54	-20.64	Avg	1.85	45	
9250.9	46.44	V	74	-27.56	Peak	1.89	135	
9250.9	33.44	V	54	-20.56	Avg	1.89	135	

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Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

High Channel
X-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
925.09	90.74	H	94	-3.26	Peak	1.35	270	
925.09	90.49	H	94	-3.51	QP	1.35	270	
1850.2	46.18	H	74	-27.82	Peak	2.41	125	
1850.2	41.23	H	54	-12.77	Avg	2.41	125	
2775.3	45.37	H	74	-28.63	Peak	1.78	135	
2775.3	33.31	H	54	-20.69	Avg	1.78	135	
3700.3	44.92	H	74	-29.08	Peak	1.78	125	
3700.3	32.73	H	54	-21.27	Avg	1.78	125	
4625.4	47.83	H	74	-26.17	Peak	1.78	125	
4625.4	32.98	H	54	-21.02	Avg	1.78	125	
5550.5	51.35	H	74	-22.65	Peak	1.79	315	
5550.5	39.17	H	54	-14.83	Avg	1.79	315	
6475.6	50.93	H	74	-23.07	Peak	1.79	225	
6475.6	38.68	H	54	-15.32	Avg	1.79	225	
7400.7	46.38	H	74	-27.62	Peak	1.72	315	
7400.7	34.31	H	54	-19.69	Avg	1.72	315	
8325.8	45.69	H	74	-28.31	Peak	1.81	125	
8325.8	33.36	H	54	-20.64	Avg	1.81	125	
9250.9	48.28	H	74	-25.72	Peak	1.79	315	
9250.9	35.95	H	54	-18.05	Avg	1.79	315	

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Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

High Channel
Y-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
925.09	91.82	V	94	-2.18	Peak	1	90	
925.09	91.64	V	94	-2.36	QP	1	90	
1850.2	48.51	V	74	-25.49	Peak	1.82	315	
1850.2	43.89	V	54	-10.11	Avg	1.82	315	
2775.3	43.67	V	74	-30.33	Peak	1.73	150	
2775.3	30.01	V	54	-23.99	Avg	1.73	150	
3700.3	49.25	V	74	-24.75	Peak	1.79	0	
3700.3	40.75	V	54	-13.25	Avg	1.79	0	
4625.4	47.54	V	74	-26.46	Peak	1.72	135	
4625.4	32.97	V	54	-21.03	Avg	1.72	135	
5550.5	42.73	V	74	-31.27	Peak	1.72	125	
5550.5	30.18	V	54	-23.82	Avg	1.72	125	
6475.6	43.01	V	74	-30.99	Peak	1.72	270	
6475.6	29.36	V	54	-24.64	Avg	1.72	270	
7400.7	46.11	V	74	-27.89	Peak	1.61	135	
7400.7	34.27	V	54	-19.73	Avg	1.61	135	
8325.8	46.07	V	74	-27.93	Peak	1.62	125	
8325.8	33.44	V	54	-20.56	Avg	1.62	125	
9250.9	48.36	V	74	-25.64	Peak	1.65	125	
9250.9	35.93	V	54	-18.07	Avg	1.65	125	

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Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

High Channel
Y-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
925.09	89.71	H	94	-4.29	Peak	1	125	
925.09	89.24	H	94	-4.76	QP	1	125	
1850.2	41.41	H	74	-32.59	Peak	2.44	135	
1850.2	30.58	H	54	-23.42	Avg	2.44	135	
2775.3	40.58	H	74	-33.42	Peak	2.45	135	
2775.3	30.15	H	54	-23.85	Avg	2.45	135	
3700.3	46.51	H	74	-27.49	Peak	1.93	135	
3700.3	32.44	H	54	-21.56	Avg	1.93	135	
4625.4	44.71	H	74	-29.29	Peak	1.78	135	
4625.4	32.98	H	54	-21.02	Avg	1.78	135	
5550.5	42.86	H	74	-31.14	Peak	1.78	125	
5550.5	30.13	H	54	-23.87	Avg	1.78	125	
6475.6	41.58	H	74	-32.42	Peak	1.78	125	
6475.6	31.75	H	54	-22.25	Avg	1.78	125	
7400.7	47.76	H	74	-26.24	Peak	1.78	135	
7400.7	36.21	H	54	-17.79	Avg	1.78	135	
8325.8	48.61	H	74	-25.39	Peak	1.85	135	
8325.8	36.17	H	54	-17.83	Avg	1.85	135	
9250.9	52.53	H	74	-21.47	Peak	1.79	135	
9250.9	38.18	H	54	-15.82	Avg	1.79	135	

FCC 15.249
Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

High Channel
Z-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
925.09	83.18	V	94	-10.82	Peak	1	270	
925.09	82.96	V	94	-11.04	QP	1	270	
1850.2	48.11	V	74	-25.89	Peak	1.49	135	
1850.2	44.16	V	54	-9.84	Avg	1.49	135	
2775.3	44.31	V	74	-29.69	Peak	1.42	135	
2775.3	31.63	V	54	-22.37	Avg	1.42	135	
3700.3	44.79	V	74	-29.21	Peak	1.53	315	
3700.3	32.25	V	54	-21.75	Avg	1.53	315	
4625.4	45.43	V	74	-28.57	Peak	1.36	135	
4625.4	33.01	V	54	-20.99	Avg	1.36	135	
5550.5	43.37	V	74	-30.63	Peak	1.36	135	
5550.5	30.17	V	54	-23.83	Avg	1.36	135	
6475.6	41.73	V	74	-32.27	Peak	1.36	135	
6475.6	29.51	V	54	-24.49	Avg	1.36	135	
7400.7	47.25	V	74	-26.75	Peak	1.36	135	
7400.7	34.15	V	54	-19.85	Avg	1.36	135	
8325.8	45.62	V	74	-28.38	Peak	1.37	125	
8325.8	33.42	V	54	-20.58	Avg	1.37	125	
9250.9	49.16	V	74	-24.84	Peak	1.36	125	
9250.9	36.17	V	54	-17.83	Avg	1.36	125	

FCC 15.249
Binsfeld Engineering, Inc.
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High Channel
Z-Axis

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
925.09	92.7	H	94	-1.3	Peak	1	135	
925.09	92.43	H	94	-1.57	QP	1	135	
1850.2	52.61	H	74	-21.39	Peak	1.21	135	
1850.2	50.27	H	54	-3.73	Avg	1.21	135	
2775.3	44.84	H	74	-29.16	Peak	2.09	125	
2775.3	30.21	H	54	-23.79	Avg	2.09	125	
3700.3	47.73	H	74	-26.27	Peak	1.41	135	
3700.3	37.42	H	54	-16.58	Avg	1.41	135	
4625.4	45.91	H	74	-28.09	Peak	1.42	135	
4625.4	32.96	H	54	-21.04	Avg	1.42	135	
5550.5	43.12	H	74	-30.88	Peak	1.43	135	
5550.5	30.23	H	54	-23.77	Avg	1.43	135	
6475.6	41.67	H	74	-32.33	Peak	1.45	125	
6475.6	29.48	H	54	-24.52	Avg	1.45	125	
7400.7	47.07	H	74	-26.93	Peak	1.89	125	
7400.7	34.34	H	54	-19.66	Avg	1.89	125	
8325.8	45.34	H	74	-28.66	Peak	1.89	125	
8325.8	33.41	H	54	-20.59	Avg	1.89	125	
9250.9	47.83	H	74	-26.17	Peak	1.91	125	
9250.9	35.93	H	54	-18.07	Avg	1.91	125	

FCC Class B and FCC 15.249

Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

Date: 05/17/07
Labs: B and D
Tested By: Kyle Fujimoto

Non-Harmonic Emissions and Digital Portion of the EUT - 10 kHz to 9.3 GHz
Z-Axis (Worst Case)

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
								No Emissions Detected
								from 10 kHz to 9300 MHz
								for the Digital Portion
								in Vertical and Horizontal
								Polarizations
								No Emissions Detected
								from 10 kHz to 9300 MHz
								for the Non-Harmonic
								Emissions from the Tx
								in Vertical and Horizontal
								Polarizations

BAND EDGES

DATA SHEETS

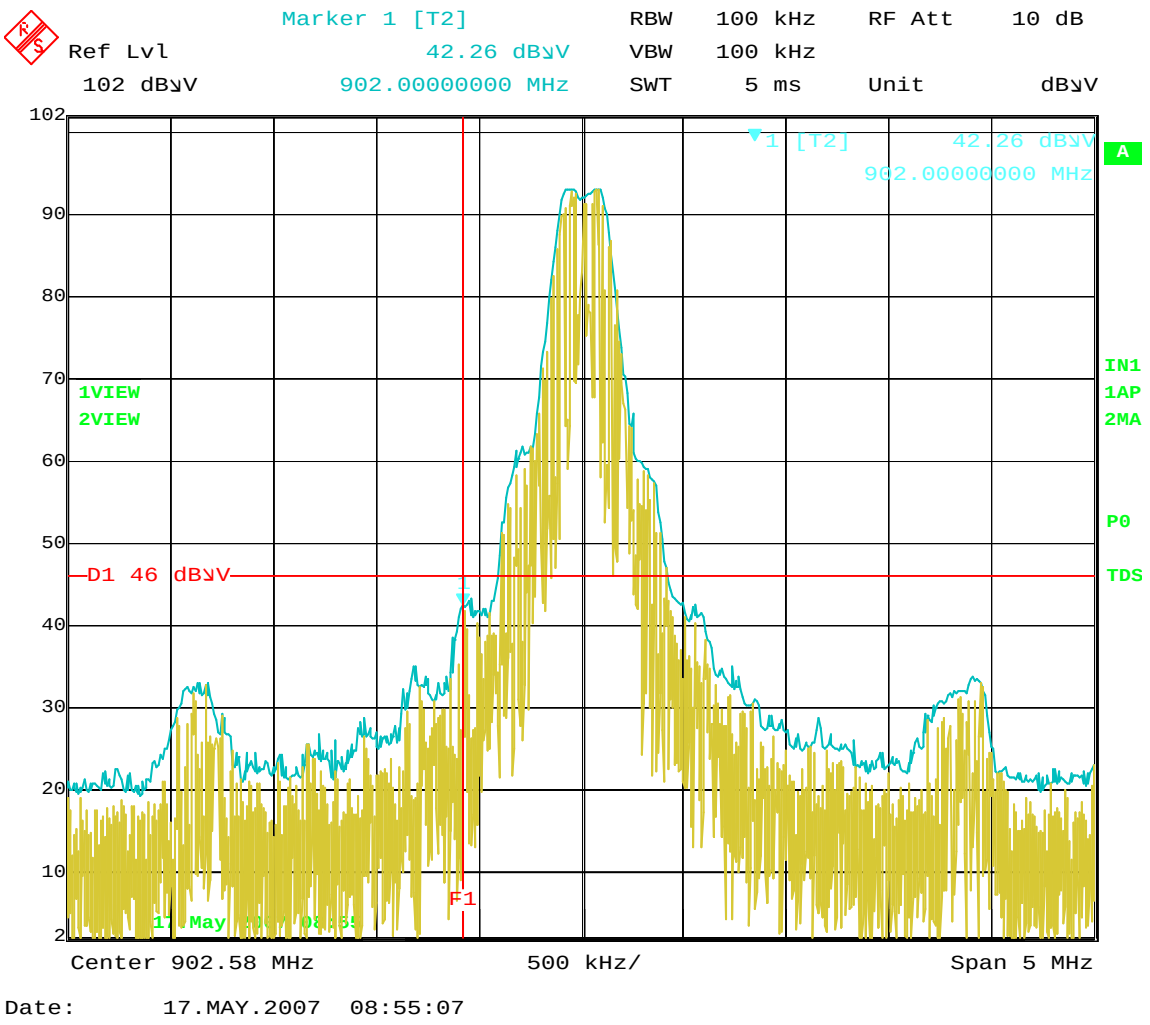
FCC Class B and FCC 15.249

Binsfeld Engineering, Inc.
Transmitter
Model: TX10K

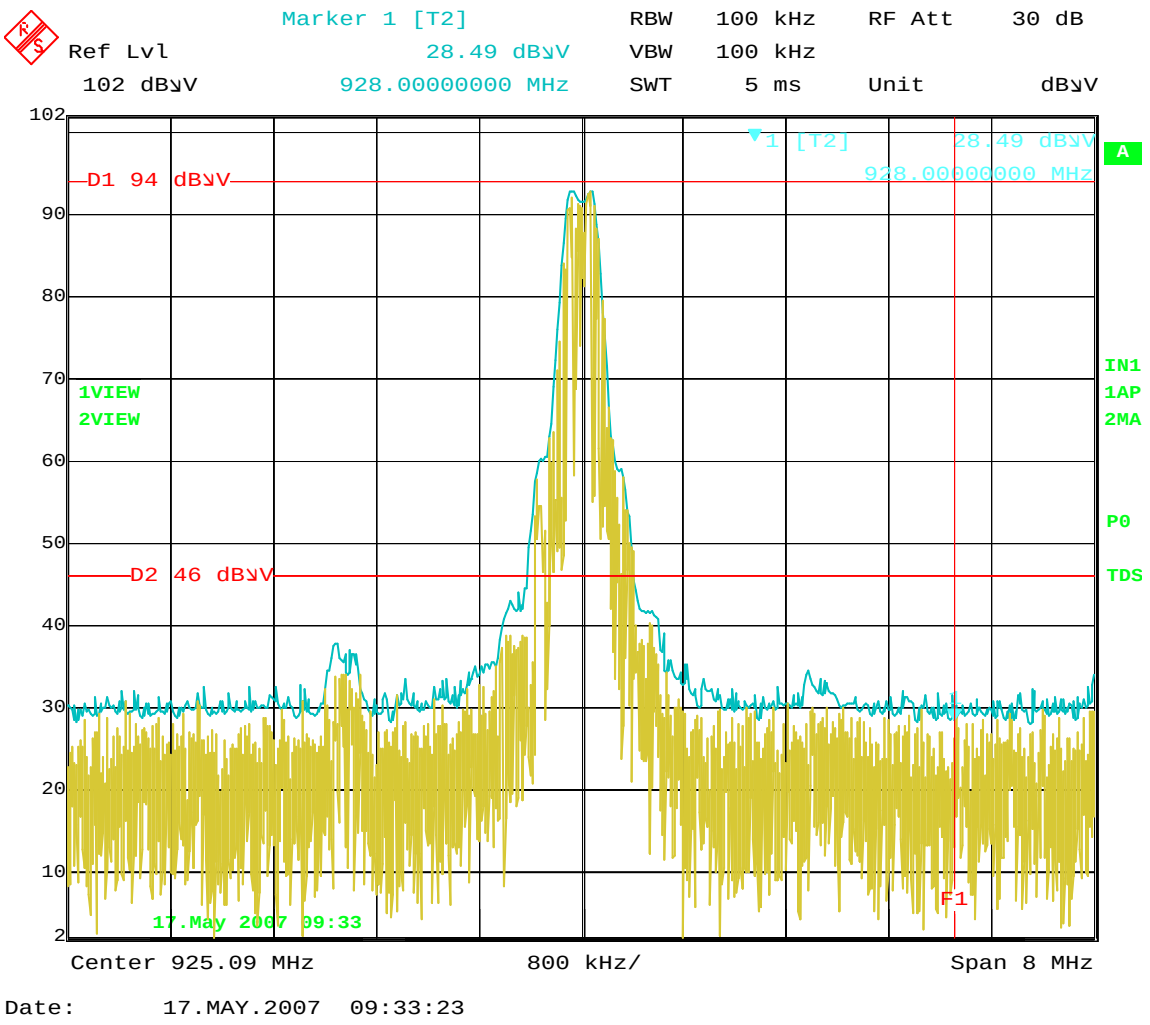
Date: 05/17/07
Lab: D
Tested By: Kyle Fujimoto

Band Edges -- Horizontal Polarization (Worst Case)
Z-Axis (Worst Case)

Freq. (MHz)	Level (dBuV)	Pol (v/h)	Limit	Margin	Peak / QP / Avg	Ant. Height (m)	Table Angle (deg)	Comments
902	42.26	H	46	-3.74	Peak	1	135	Band Edge - Low Channel
928	28.49	H	46	-17.51	Peak	1	135	Band Edge - High Channel



Band Edge – Low Channel – Horizontal Polarization – Z-Axis – Worse Case



Band Edge – High Channel – Horizontal Polarization – Z-Axis – Worse Case