FCC CERTIFICATION
On Behalf of
La Crosse Technology

Temperature Transmitter Model No.: TX60U-IT

FCC ID: OMO-M-03

Prepared for : La Crosse Technology

Address : 2809 Losey Blvd. So. La Crosse WI 54601, USA

Prepared by : ACCURATE TECHNOLOGY CO. LTD

Address : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.

Science & Industry Park, Nanshan, Shenzhen, Guangdong

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Report Number : ATE20091880
Date of Test : October 16, 2009
Date of Report : October 30, 2009

TABLE OF CONTENTS

Descri	ription	Page
Test R	Report Certification	
	GENERAL INFORMATION	4
1.1.	Description of Device (EUT)	
1.2.	Description of Test Facility	
1.3.	Measurement Uncertainty	
2. M	MEASURING DEVICE AND TEST EQUIPMENT	
	UMMARY OF TEST RESULTS	
	UNDAMENTAL AND HARMONICS RADIATED EMISSION FOR	
4.1.	Block Diagram of Test Setup	. ,
4.1.	The Emission Limit	
4.3.	Configuration of EUT on Measurement	
4.4.	Operating Condition of EUT	
4.5.	Test Procedure	
4.6.	The Field Strength of Radiation Emission Measurement Results	11
5. SI	PURIOUS RADIATED EMISSION FOR SECTION 15.249(D)	14
5.1.	Block Diagram of Test Setup	14
5.2.	The Emission Limit For Section 15.249(d)	
5.3.	EUT Configuration on Measurement	
5.4.	Operating Condition of EUT	
5.5.	Test Procedure	
5.6.	The Emission Measurement Result	
	SAND EDGES	
6.1.	The Requirement	
6.2.	EUT Configuration on Measurement	
6.3.	Operating Condition of EUT	
6.4.	Test Procedure	
6.5.	The Measurement Result	
	NTENNA REQUIREMENT	
7.1.	The Requirement	
7.2.	Antenna Construction	23

APPENDIX I (TEST CURVES) (16 pages)

Test Report Certification

Applicant : La Crosse Technology

Manufacturer : Golden ESL Instrument (S.Z.) Co. Ltd.

EUT Description: Temperature Transmitter

(A) MODEL NO.: TX60U-IT

(B) SERIAL NO.: N/A

(C) POWER SUPPLY: 3V DC ("AAA" batteries 2×)

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C Section 15.249 ANSI C63.4: 2003

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section15.249 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

Date of Test:	October 16, 2009	
Prepared by :	sky Long	
	(Engineer)	
Approved & Authorized Signer:	Sean (-)	
	(Manager)	

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT : Temperature Transmitter

Model Number : TX60U-IT

Power Supply : 3V DC ("AAA" batteries $2 \times$)

Transmitting Frequency: Channel 1: 905MHz

Channel 2: 909MHz Channel 3: 913MHz

Applicant : La Crosse Technology

Address : 2809 Losey Blvd. So. La Crosse WI 54601, USA

Manufacturer : Golden ESL Instrument (S.Z.) Co. Ltd.

Address : Fu Yuan #2 Manufactory Building, 45 Area of Baoan

District, ShenZhen, China

Date of sample received: October 13, 2009

Date of Test : October 16, 2009

1.2.Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen

Listed by FCC

The Registration Number is 752051

Listed by Industry Canada

The Registration Number is 5077A-2

Accredited by China National Accreditation Committee

for Laboratories

The Certificate Registration Number is L3193

Name of Firm : ACCURATE TECHNOLOGY CO. LTD

Site Location : F1, Bldg. A, Changyuan New Material Port, Keyuan Rd.

Science & Industry Park, Nanshan, Shenzhen, Guangdong

P.R. China

1.3. Measurement Uncertainty

Conducted Emission Expanded Uncertainty = 2.23dB, k=2

Radiated emission expanded uncertainty = 3.08dB, k=2 (9kHz-30MHz)

Radiated emission expanded uncertainty = 4.42dB, k=2 (30MHz-1000MHz)

Radiated emission expanded uncertainty = 4.06dB, k=2 (Above 1GHz)

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Туре	S/N	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	03.28.2010
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	03.28.2010
Spectrum Analyzer	Agilent	E7405A	MY45115511	03.28.2010
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	03.30.2010
Loop Antenna	Schwarzbeck	FMZB1516	1516131	03.28.2010
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	03.28.2010
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	12.19.2009
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	10.09.2010
LISN	Rohde&Schwarz	ESH3-Z5	100305	03.28.2010
LISN	Schwarzbeck	NSLK8126	8126431	03.28.2010

3. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission	N/A
Section 15.249(a)	Fundamental and Harmonics Radiated Emission	Compliant
Section 15.249(d)	Spurious Radiated Emission	Compliant
Section 15.249(d)	Band Edge	Compliant
Section 15.203	Antenna Requirement	Compliant

Remark: "N/A" means "Not applicable".

4. FUNDAMENTAL AND HARMONICS RADIATED EMISSION FOR SECTION 15.249(A)

4.1.Block Diagram of Test Setup

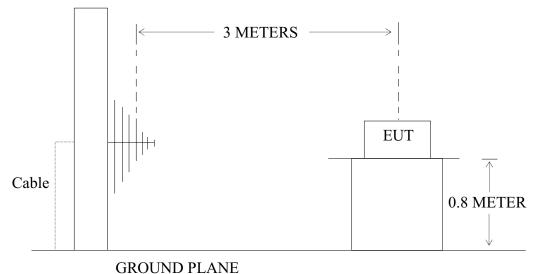
4.1.1.Block diagram of connection between the EUT and simulators



(EUT: Temperature Transmitter)

4.1.2.Semi-Anechoic Chamber Test Setup Diagram

ANTENNA ELEVATION VARIES FROM 1 TO 4 METERS



(EUT: Temperature Transmitter)

4.2. The Emission Limit

4.2.1.For intentional radiators, According to section 15.249(a), Operation within the frequency band of 902 to 928MHz, The fundamental field strength shall not exceed 94 dB μ V/m and the harmonics shall not exceed 54 dB μ V/m.

Fundamental	Field Strength of Fundamental	Field Strength of harmonics
Frequency	(millivolts/meter)	(microvolts/meter)
902-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

4.2.2.According to section 15.249(e), as shown in section 15.35(b), the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

4.3. Configuration of EUT on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.3.1.Temperature Transmitter (EUT)

Model Number : TX60U-IT

Serial Number : N/A

Manufacturer : Golden ESL Instrument (S.Z.) Co. Ltd.

4.4. Operating Condition of EUT

- 4.4.1. Setup the EUT and simulator as shown as Section 4.1.
- 4.4.2. Turn on the power of all equipment.
- 4.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 905MHz, 909MHz, 913MHz.

4.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement.

The bandwidth of test receiver is set at 120kHz in 30-1000MHz, and set at 1MHz in above 1000MHz.

4.6. The Field Strength of Radiation Emission Measurement Results **PASS.**

Date of Test: October 16, 2009

EUT: Temperature Transmitter

Temperature: 25°C

Humidity: 50%

TYGON IT

Model No.: TX60U-IT Power Supply: 3V DC ("AAA" batteries $2\times$)

Test Mode: TX Channel 1: 905MHz Test Engineer: Joe

Fundamental Radiated Emissions

Frequency	Reading(c	dBμV/m)	Factor(dB)	Factor(dB) Result(dB\(\mu\)V/m)		Limit(dBµV/m)		Margin(dB)		Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
905.0020	58.42	60.05	28.80	87.22	88.85	94	114	-6.78	-25.15	Vertical
905.0020	56.21	57.82	28.80	85.01	86.62	94	114	-8.99	-27.38	Horizontal

Harmonics Radiated Emissions

Frequency	Reading(c	lBμV/m)	Factor(dB)	Result(c	BμV/m)	Limit(dI	BμV/m)	Margi	n(dB)	Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
1810.010	56.46	58.04	-9.94	46.52	48.10	54	74	-7.48	-25.90	Vertical
2715.016	49.23	50.83	-6.27	42.96	44.56	54	74	-11.04	-29.44	Vertical
1810.010	55.21	56.83	-9.94	45.27	46.89	54	74	-8.73	-27.11	Horizontal
2715.016	50.04	51.68	-6.27	43.77	45.41	54	74	-10.23	-28.59	Horizontal

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Amplifier Gain

Date of Test: October 16, 2009 Temperature: 25°C

EUT: Temperature Transmitter Humidity: 50%

Model No.: TX60U-IT Power Supply: 3V DC ("AAA" batteries 2×)

Test Mode: TX Channel 2: 909MHz Test Engineer: Joe

Fundamental Radiated Emissions

Frequency	Reading(c	dBμV/m)	Factor(dB)	Result(c	lBμV/m)	Limit(dF	BμV/m)	Margi	n(dB)	Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
909.0029	58.21	59.83	28.81	87.02	88.64	94	114	-6.98	-25.36	Vertical
909.0029	55.63	57.26	28.81	84.44	86.07	94	114	-9.56	-27.93	Horizontal

Harmonics Radiated Emissions

Frequency	Reading(c	dBμV/m)	Factor(dB)	Result(c	lBμV/m)	Limit(dl	BμV/m)	Marg	in(dB)	Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
1818.019	57.52	59.14	-9.85	47.67	49.29	54	74	-6.33	-24.71	Vertical
2727.024	48.98	50.57	-6.21	42.77	44.36	54	74	-11.23	-29.64	Vertical
1818.019	56.92	58.54	-9.85	47.07	48.69	54	74	-6.93	-25.31	Horizontal
2727.024	51.17	52.78	-6.21	44.96	46.57	54	74	-9.04	-27.43	Horizontal

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Amplifier Gain

Date of Test: October 16, 2009 Temperature: 25°C

EUT: Temperature Transmitter Humidity: 50%

Model No.: TX60U-IT Power Supply: 3V DC ("AAA" batteries 2×)

Test Mode: TX Channel 3: 913MHz Test Engineer: Joe

Fundamental Radiated Emissions

Frequency	Reading(c	dBμV/m)	Factor(dB)	Result(c	lBμV/m)	Limit(dF	BμV/m)	Margi	n(dB)	Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
913.0028	57.46	59.38	28.88	86.34	88.26	94	114	-7.66	-25.74	Vertical
913.0028	55.70	57.34	28.88	84.58	86.22	94	114	-9.42	-27.78	Horizontal

Harmonics Radiated Emissions

Frequency	Reading(c	lBμV/m)	Factor(dB)	Result(c	lBμV/m)	Limit(dI	BμV/m)	Margi	n(dB)	Polarization
(MHz)	AV	PEAK	Corr.	AV	PEAK	AV	PEAK	AV	PEAK	
1826.010	59.60	61.22	-9.78	49.82	51.44	54	74	-4.18	-22.56	Vertical
2739.015	50.16	51.80	-6.15	44.01	45.65	54	74	-9.99	-28.35	Vertical
1826.010	57.05	58.64	-9.78	47.27	48.86	54	74	-6.73	-25.14	Horizontal
2739.015	50.73	52.36	-6.15	44.58	46.21	54	74	-9.42	-27.79	Horizontal

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Amplifier Gain

5. SPURIOUS RADIATED EMISSION FOR SECTION 15.249(D)

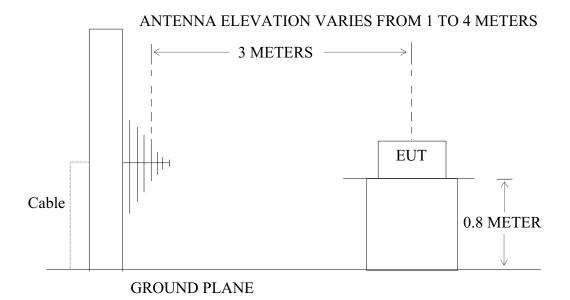
5.1.Block Diagram of Test Setup

5.1.1.Block diagram of connection between the EUT and simulators

EUT

(EUT: Temperature Transmitter)

5.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: Temperature Transmitter)

5.2. The Emission Limit For Section 15.249(d)

5.2.1.Emission radiated outside of the specified frequency bands, except for harmonics, shall be comply with the general radiated emission limits in Section 15.209.

Radiation Emission Measurement Limits According to Section 15.209

		Limit	
Frequency (MHz)	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dBµV/m)	The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is
30 - 88	100	40	performed with Average detector.
88 - 216	150	43.5	Except those frequency bands mention above, the
216 - 960	200	46	final measurement for frequencies below
Above 960	500	54	performed with Quasi Peak detector.

5.3.EUT Configuration on Measurement

The following equipment are installed on the Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1.Temperature Transmitter (EUT)

Model Number : TX60U-IT

Serial Number : N/A

Manufacturer : Golden ESL Instrument (S.Z.) Co. Ltd.

5.4. Operating Condition of EUT

- 5.4.1. Setup the EUT and simulator as shown as Section 5.1.
- 5.4.2. Turn on the power of all equipment.
- 5.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 905MHz, 909MHz, 913MHz.

5.5.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement.

The bandwidth of test receiver is set at 120kHz in 30-1000MHz, and set at 1MHz in above 1000MHz.

The frequency range from 30MHz to 10000MHz is checked.

The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

5.6. The Emission Measurement Result

PASS.

Date of Test:	October 16, 2009	Temperature:	25°C
EUT:	Temperature Transmitter	Humidity:	50%
Model No.:	TX60U-IT	Power Supply:	3V DC ("AAA" batteries 2×)
Test Mode:	TX Channel 1: 905MHz	Test Engineer:	Joe

Frequency	Reading	Factor(dB)	Result	Limit	Margin	Polarization
(MHz)	(dBµV/m)	Corr.	(dBµV/m)	(dBµV/m)	(dB)	
	QP		QP	QP	QP	
-	-	-	-	-	-	Vertical
_	-	-	-	-	-	Horizontal

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Amplifier Gain

Date of Test:October 16, 2009Temperature:25°CEUT:Temperature TransmitterHumidity:50%Model No.:TX60U-ITPower Supply:3V DC ("AAA" batteries 2×)Test Mode:TX Channel 2: 909MHzTest Engineer:Joe

Frequency	Reading	Factor(dB)	Result	Limit	Margin	Polarization
(MHz)	(dBµV/m)	Corr.	$(dB\mu V/m)$ $(dB\mu V/m)$		(dB)	
	QP		QP	QP	QP	
_	_	_	-	_	_	Vertical
-	-	-	-	-	-	Horizontal

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Amplifier Gain

Date of Test:October 16, 2009Temperature:25°CEUT:Temperature TransmitterHumidity:50%Model No.:TX60U-ITPower Supply:3V DC ("AAA" batteries 2×)Test Mode:TX Channel 3: 913MHzTest Engineer:Joe

Frequency	Reading	Factor(dB)	Result	Limit	Margin	Polarization
(MHz)	(dBµV/m)	Corr.	(dBµV/m)	(dBµV/m)	(dB)	
	QP		QP	QP	QP	
_	_	-	_	_	_	Vertical
-	-	-	-	-	-	Horizontal

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Amplifier Gain

6. BAND EDGES

6.1. The Requirement

6.1.1.Band Edge from 902MHz to 928MHz. Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

6.2.EUT Configuration on Measurement

The following equipment are installed on the emission measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.2.1. Temperature Transmitter (EUT)

Model Number : TX60U-IT

Serial Number : N/A

Manufacturer : Golden ESL Instrument (S.Z.) Co. Ltd.

6.3. Operating Condition of EUT

- 6.3.1. Setup the EUT and simulator as shown as Section 4.1.
- 6.3.2. Turn on the power of all equipment.
- 6.3.3. Let the EUT work in TX modes measure it. The transmit frequency are 905MHz, 909MHz, 913MHz. We select 905MHz, 913MHz TX frequency to transmit.

6.4. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2003 on radiated emission measurement.

The bandwidth of test receiver is set at 120kHz in 30-1000MHz, and set at 1MHz in above 1000MHz.

6.5. The Measurement Result

Pass.

Date of Test:	October 16, 2009	Temperature:	25°C
EUT:	Temperature Transmitter	Humidity:	50%
Model No.:	TX60U-IT	Power Supply:	3V DC ("AAA" batteries 2×)
Test Mode:	TX Channel 1: 905MHz	Test Engineer:	Joe

Frequency	Reading	Factor(dB)	Result	Limit	Margin	Polarization
(MHz)	(dBµV/m)	Corr.	(dBµV/m)	(dBµV/m)	(dB)	
	QP		QP	QP	QP	
-	-	-	1	-	-	Vertical
-	_	-	-	_	_	Horizontal

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Amplifier Gain

Date of Test:	October 16, 2009	Temperature:	25°C
EUT:	Temperature Transmitter	Humidity:	50%
Model No.:	TX60U-IT	Power Supply:	3V DC ("AAA" batteries 2×)
Test Mode:	TX Channel 3: 913MHz	Test Engineer:	Joe

Frequency	Reading	Factor(dB)	Result	Limit	Margin	Polarization
(MHz)	(dBµV/m)	Corr.	(dBµV/m)	(dBµV/m)	(dB)	
	QP		QP	QP	QP	
_	_	-	_	_	-	Vertical
-	-	-	-	-	-	Horizontal

Note:

- 1. Emissions attenuated more than 20 dB below the permissible value are not reported.
- 2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss - Amplifier Gain

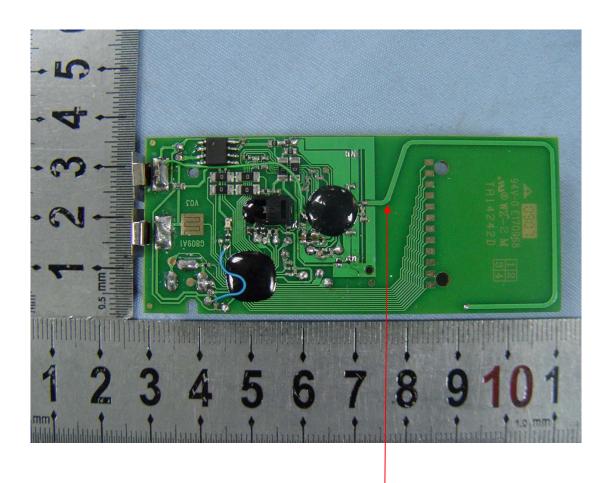
7. ANTENNA REQUIREMENT

7.1. The Requirement

7.1.1.According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

7.2. Antenna Construction

Antenna is formed by a copper trace on the PCB, no consideration of replacement.



Antenna

APPENDIX I (Test Curves)



F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park, Nanshan Shenzhen, P.R. China

Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3402

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

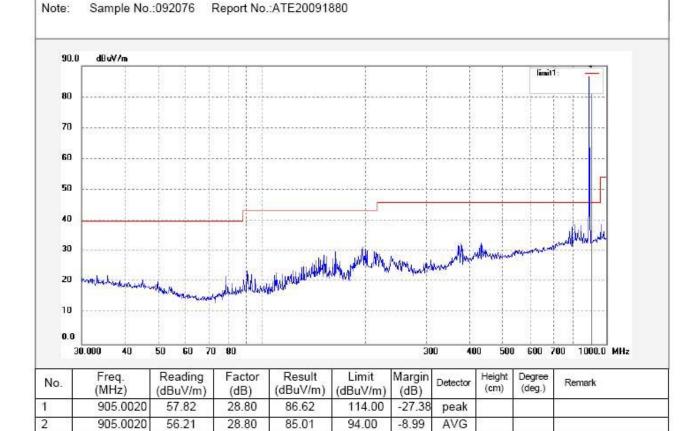
EUT: Temperature transmitter

TX Channel 1 Mode: Model: TX60U-IT

Manufacturer: La Crosse Technology

Polarization: Horizontal Power Source: DC 3V Date: 2009/10/16 Time: 20:03:43

Engineer Signature: Joe





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3401 Standard: FCC Class B 3M Radiated

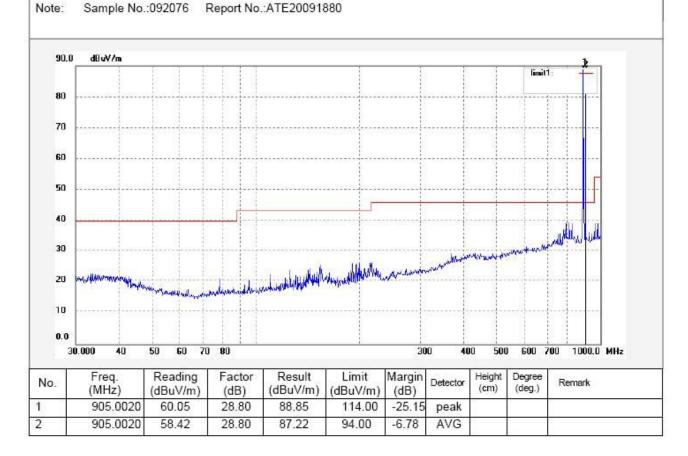
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: Temperature transmitter

Mode: TX Channel 1 Model: TX60U-IT

Manufacturer: La Crosse Technology

Polarization: Vertical Power Source: DC 3V Date: 2009/10/16 Time: 20:00:12

Engineer Signature: Joe





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3395 Standard: FCC Class B 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 50 % EUT: Temperature transmitter

TX Channel 1 Mode: Model: TX60U-IT

Note:

Manufacturer: La Crosse Technology

Sample No.:092076 Report No.:ATE20091880

Polarization: Horizontal Power Source: DC 3V Date: 2009/10/16 Time: 19:12:03

Engineer Signature: Joe

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No.	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	(cm)	(deg.)	Remark	
1	1810.010	56.83	-9.94	46.89	74.00	-27.11	peak		,		
2	1810.010	55.21	-9.94	45.27	54.00	-8.73	AVG	8	0	8	
3	2715.016	51.68	-6.27	45.41	74.00	-28.59	peak				
4	2715.016	50.04	-6.27	43.77	54.00	-10.23	AVG	8	el .	8	



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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3396 Standard: FCC Class B 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 50 %

EUT: Temperature transmitter

Mode: TX Channel 1 TX60U-IT Model:

1000.000

Note:

Manufacturer: La Crosse Technology

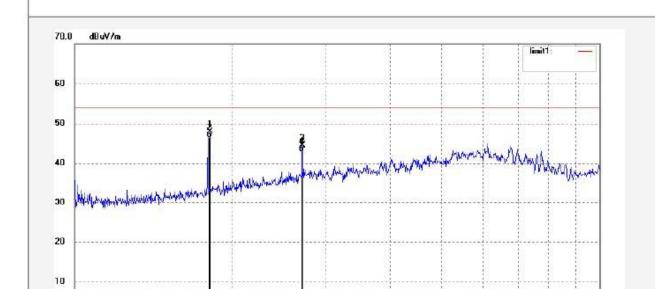
Sample No.:092076 Report No.:ATE20091880

2000

Polarization: Power Source: DC 3V Date: 2009/10/16 Time: 19:15:47

Engineer Signature: Joe

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)		Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	1810.010	58.04	-9.94	48.10	74.00	-25.90	peak		,		
2	1810.010	56.46	-9.94	46.52	54.00	-7.48	AVG	S :	W	8	
3	2715.016	50.83	-6.27	44.56	74.00	-29.44	peak				
4	2715.016	49.23	-6.27	42.96	54.00	-11.04	AVG	3	el .	8	

4000

7000 8000 10000.0 MHz



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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3406

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

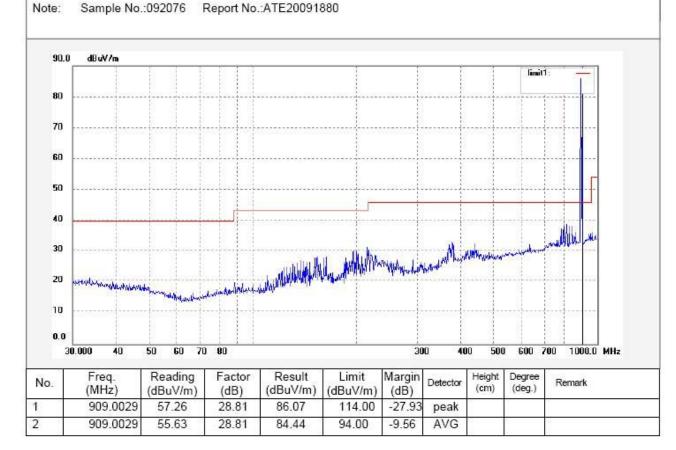
EUT: Temperature transmitter

TX Channel 2 Mode: Model: TX60U-IT

Manufacturer: La Crosse Technology

Polarization: Horizontal Power Source: DC 3V Date: 2009/10/16 Time: 20:21:21

Engineer Signature: Joe





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park, Nanshan Shenzhen, P.R. China

Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3405 Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 % EUT: Temperature transmitter

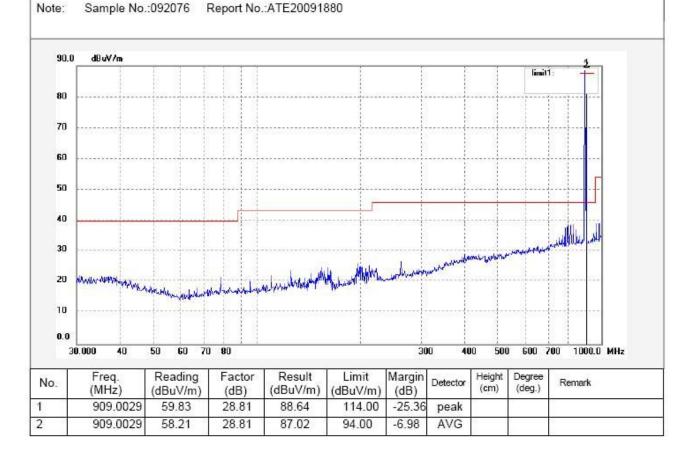
TX Channel 2 Mode:

Model: TX60U-IT

Manufacturer: La Crosse Technology

Polarization: Power Source: DC 3V Date: 2009/10/16 Time: 20:16:40

Engineer Signature: Joe





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3398

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: Temperature transmitter

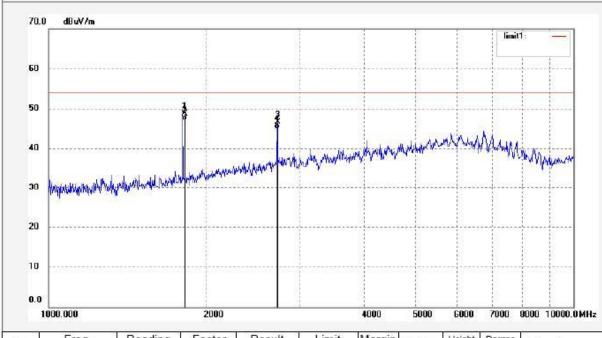
Mode: TX Channel 2 Model: TX60U-IT

Manufacturer: La Crosse Technology

Note: Sample No.:092076 Report No.:ATE20091880

Polarization: Horizontal Power Source: DC 3V Date: 2009/10/16 Time: 19:24:04

Engineer Signature: Joe



No.	Freq. (MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dBuV/m)	(dB)	Detector	Height (cm)	(deg.)	Remark	
1	1818.019	58.54	-9.85	48.69	74.00	-25.31	peak				
2	1818.019	56.92	-9.85	47.07	54.00	-6.93	AVG	8		8	
3	2727.024	52.78	-6.21	46.57	74.00	-27.43	peak				
4	2727.024	51.17	-6.21	44.96	54.00	-9.04	AVG	3 .		3	



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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3397 Standard: FCC Class B 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 50 % EUT: Temperature transmitter

Mode: TX Channel 2 TX60U-IT Model:

Note:

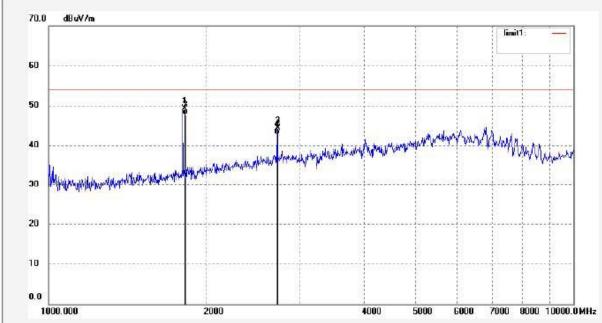
Manufacturer: La Crosse Technology

Polarization: Power Source: DC 3V Date: 2009/10/16 Time: 19:20:45

Engineer Signature: Joe

Distance: 3m

Sample No.:092076 Report No.:ATE20091880



No.	Freq. (MHz)	(dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	1818.019	59.14	-9.85	49.29	74.00	-24.71	peak		,		
2	1818.019	57.52	-9.85	47.67	54.00	-6.33	AVG	8	0	8	
3	2727.024	50.57	-6.21	44.36	74.00	-29.64	peak				
4	2727.024	48.98	-6.21	42.77	54.00	-11.23	AVG	8	(c)	8	



F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park, Nanshan Shenzhen, P.R. China

Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3410 Standard: FCC Class B 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 50 % EUT:

TX Channel 3 Mode: Model: TX60U-IT

Manufacturer: La Crosse Technology

Temperature transmitter

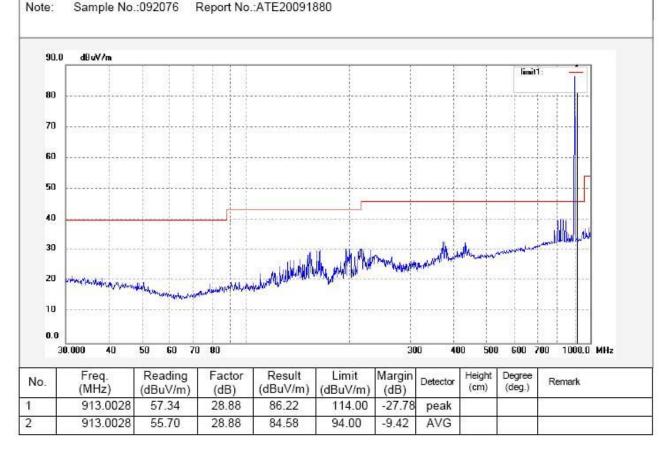
Sample No.:092076 Report No.:ATE20091880

Polarization: Horizontal Power Source: DC 3V Date: 2009/10/16

Engineer Signature: Joe

Distance: 3m

Time: 20:37:52





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3409

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 %

EUT: Temperature transmitter

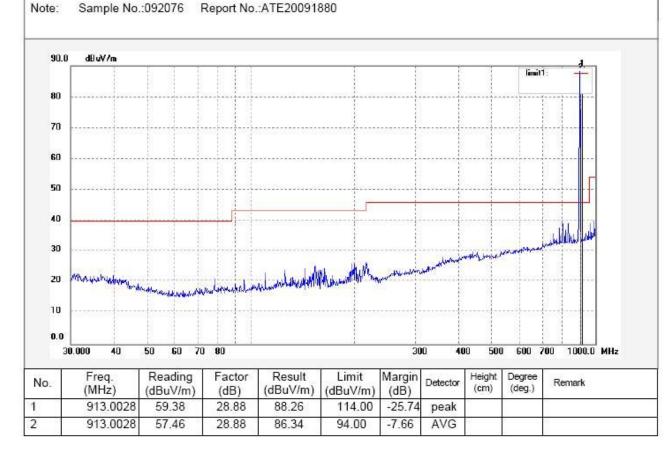
Mode: TX Channel 3 Model: TX60U-IT

Manufacturer: La Crosse Technology

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Polarization: Vertical Power Source: DC 3V Date: 2009/10/16 Time: 20:34:44

Engineer Signature: Joe





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park, Nanshan Shenzhen, P.R. China

Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3399 Standard: FCC Class B 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 50 % EUT: Temperature transmitter

TX Channel 3 Mode: TX60U-IT Model:

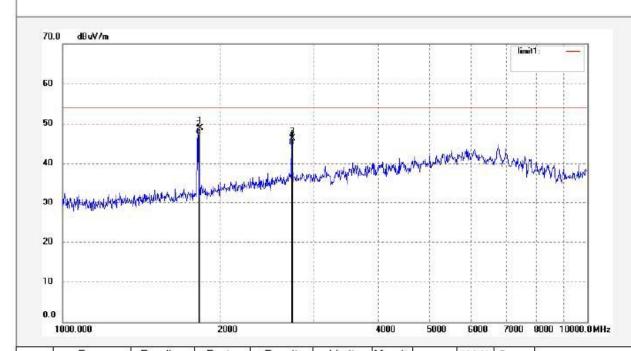
Manufacturer: La Crosse Technology

Polarization: Horizontal Power Source: DC 3V Date: 2009/10/16 Time: 19:28:47

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:092076 Report No.:ATE20091880



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	1826.010	58.64	-9.78	48.86	74.00	-25.14	peak				
2	1826.010	57.05	-9.78	47.27	54.00	-6.73	AVG	S :	0.	8	
3	2739.015	52.36	-6.15	46.21	74.00	-27.79	peak				
4	2739.015	50.73	-6.15	44.58	54.00	-9.42	AVG	3 .			



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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3400 Standard: FCC Class B 3M Radiated

Test item: Radiation Test Temp.(C)/Hum.(%) 25 C / 50 % EUT: Temperature transmitter

Mode: TX Channel 3 TX60U-IT Model:

Note:

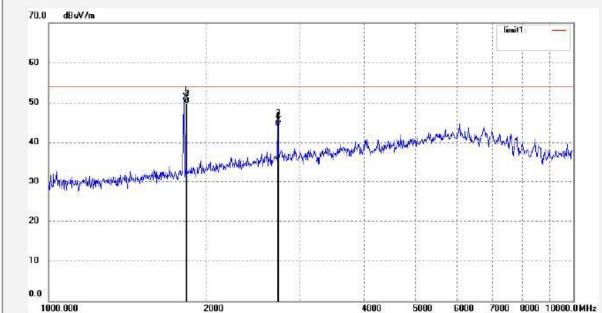
Manufacturer: La Crosse Technology

Polarization: Power Source: DC 3V Date: 2009/10/16 Time: 19:32:31

Engineer Signature: Joe

Distance: 3m

Sample No.:092076 Report No.:ATE20091880



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark	
1	1826.010	61.22	-9.78	51.44	74.00	-22.56	peak		,		
2	1826.010	59.60	-9.78	49.82	54.00	-4.18	AVG	S :	0. 0.	8	
3	2739.015	51.80	-6.15	45.65	74.00	-28.35	peak				
4	2739.015	50.16	-6.15	44.01	54.00	-9.99	AVG	3 .	(:)		



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Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3403 Standard: FCC Band Edge Test item: Radiation Test

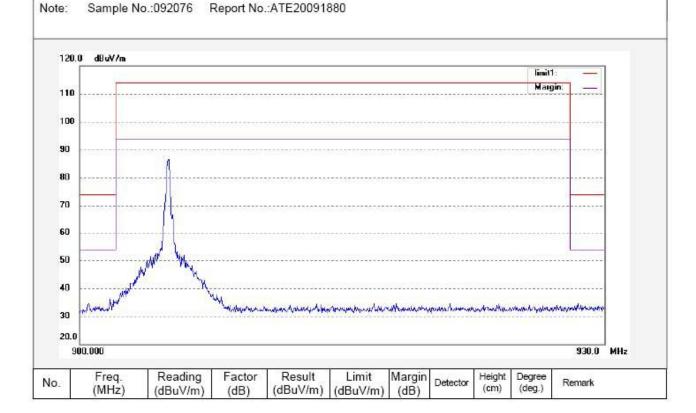
Temp.(C)/Hum.(%) 25 C / 50 % EUT: Temperature transmitter

TX Channel 1 Mode: Model: TX60U-IT

Manufacturer: La Crosse Technology

Polarization: Horizontal Power Source: DC 3V Date: 2009/10/16 Time: 20:08:37

Engineer Signature: Joe





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3404 Standard: FCC Band Edge Test item: Radiation Test

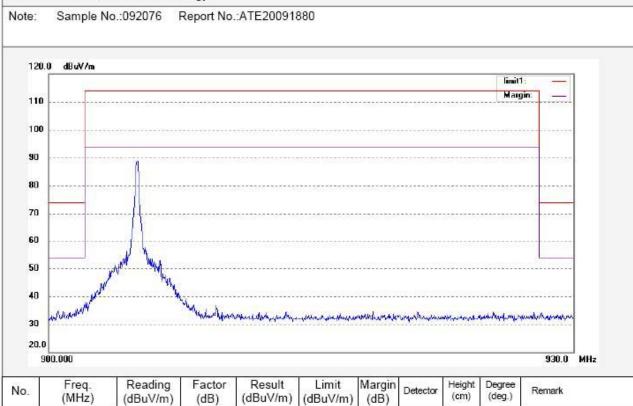
Temp.(C)/Hum.(%) 25 C / 50 % EUT: Temperature transmitter

Mode: TX Channel 1 Model: TX60U-IT

Manufacturer: La Crosse Technology

Polarization: Vertical Power Source: DC 3V Date: 2009/10/16 Time: 20:11:49

Engineer Signature: Joe





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park, Nanshan Shenzhen, P.R. China

Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3411 Standard: FCC Band Edge Test item: Radiation Test

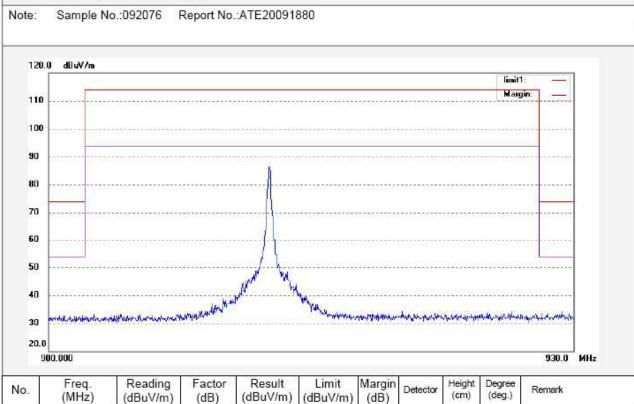
Temp.(C)/Hum.(%) 25 C / 50 % EUT: Temperature transmitter

TX Channel 3 Mode: Model: TX60U-IT

Manufacturer: La Crosse Technology

Polarization: Horizontal Power Source: DC 3V Date: 2009/10/16 Time: 20:41:43

Engineer Signature: Joe





F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park, Nanshan Shenzhen, P.R. China

Site: 966 chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: RTTE #3412 Standard: FCC Band Edge Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 50 % EUT: Temperature transmitter

TX Channel 3 Mode: Model: TX60U-IT

Manufacturer: La Crosse Technology

Polarization: Vertical Power Source: DC 3V Date: 2009/10/16 Time: 20:45:17

Engineer Signature: Joe

