

FCC CERTIFICATION
On Behalf of
Jannersten Forlag AB

Bridge Scorer
Model No.: TBS

FCC ID: X9XTBS

Prepared for : Jannersten Forlag AB
Address : Banergatan 15, 752 37 Uppsala, Sweden

Prepared by : ACCURATE TECHNOLOGY CO. LTD
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Report Number : ATE20100506
Date of Test : March 30, 2010
Date of Report : April 1, 2010

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APPENDIX I (TEST CURVES) (22 pages)

Test Report Certification

Applicant : Jannersten Forlag AB
Manufacturer : Keysbond (China) Limited
EUT Description : Bridge Scorer
(A) MODEL NO.: TBS
(B) SERIAL NO.: N/A
(C) POWER SUPPLY: 4.5V DC ("AA" batteries 3×)

Measurement Procedure Used:

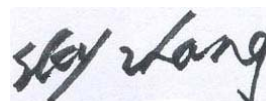
FCC Rules and Regulations Part 15 Subpart C Section 15.249
ANSI C63.4: 2003

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 Section 15.249 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.

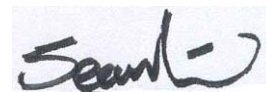
Date of Test : March 30, 2010

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT	:	Bridge Scorer
Model Number	:	TBS
Power Supply	:	4.5V DC (“AA” batteries 3 ×)
Operate Frequency	:	2405-2480MHz
Applicant	:	Jannersten Forlag AB
Address	:	Banergatan 15, 752 37 Uppsala, Sweden
Manufacturer	:	Keysbond (China) Limited
Address	:	No. 3, Kim Chau Industrial City, Nansha Guangzhou, China
Date of sample received	:	March 18, 2010
Date of Test	:	March 30, 2010

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	Type	S/N	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 9, 2011
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 9, 2011
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 9, 2011
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 9, 2011
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 9, 2011
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 9, 2011
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 9, 2011
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 9, 2011
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 9, 2011
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 9, 2011

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”.

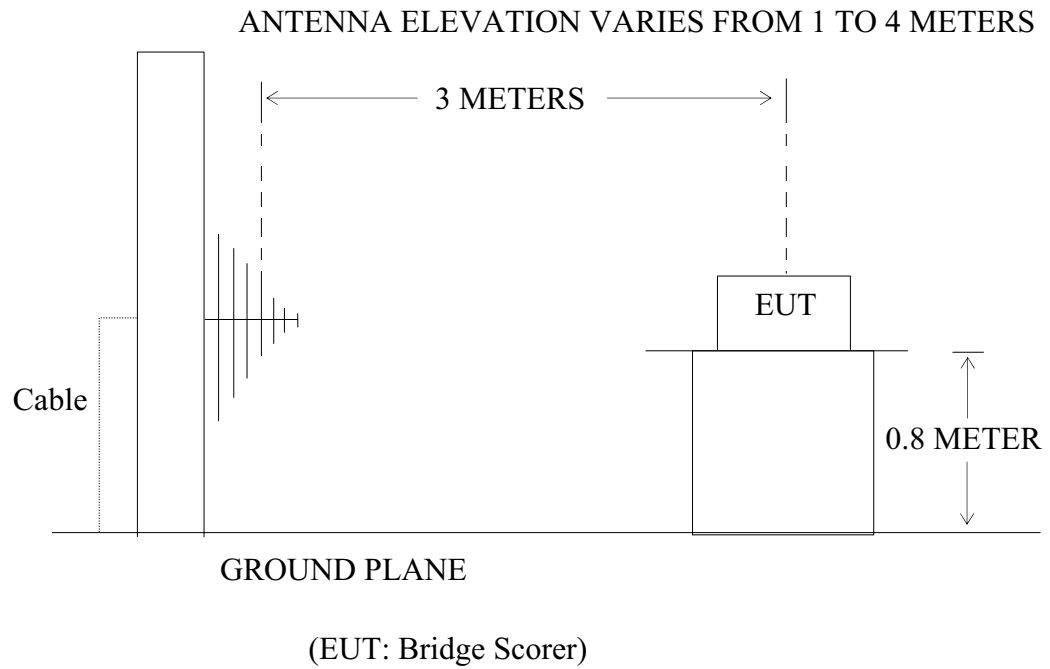
4. FUNDAMENTAL AND HARMONICS RADIATED EMISSION FOR SECTION 15.249(A)

4.1. Block Diagram of Test Setup

4.1.1. Block diagram of connection between the EUT and simulators



4.1.2. Semi-Anechoic Chamber Test Setup Diagram



4.2.The Emission Limit

4.2.1.For intentional radiators, According to section 15.249(a), Operation within the frequency band of 2.4 to 2.4835GHz, The fundamental field strength shall not exceed 94 dB μ V/m and the harmonics shall not exceed 54 dB μ V/m.

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of harmonics (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. Bridge Scorer (EUT)

Model Number : TBS
 Serial Number : N/A
 Manufacturer : Keysbond (China) Limited

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 2405-2480MHz. We are select 2405MHz, 2445MHz, 2480MHz TX frequency to transmit.

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 EUT was tested in 3 orthogonal planes.

The bandwidth of test receiver is set at 1MHz.

4.6.The Field Strength of Radiation Emission Measurement Results

PASS.

Date of Test:	March 30, 2010	Temperature:	25°C
EUT:	Bridge Scorer	Humidity:	50%
Model No.:	TBS	Power Supply:	4.5V DC (“AA” batteries 3 ×)
Test Mode:	TX 2405MHz	Test Engineer:	Joe

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2405.030	86.64	92.17	-7.45	79.19	84.72	94	114	-14.81	-29.28	Vertical
2405.030	94.03	99.59	-7.45	86.58	92.14	94	114	-7.42	-21.86	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4810.052	49.11	54.65	-0.26	48.85	54.39	54	74	-5.15	-19.61	Vertical
7215.080	40.54	46.09	2.99	43.53	49.08	54	74	-10.47	-24.92	Vertical
4810.052	50.83	56.37	-0.26	50.57	56.11	54	74	-3.43	-17.89	Horizontal
7215.080	42.46	47.99	2.99	45.45	50.98	54	74	-8.55	-23.02	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 30, 2010	Temperature:	25°C
EUT:	Bridge Scorer	Humidity:	50%
Model No.:	TBS	Power Supply:	4.5V DC (“AA” batteries 3 ×)
Test Mode:	TX 2445MHz	Test Engineer:	Joe

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2445.040	85.18	90.70	-7.34	77.84	83.36	94	114	-16.16	-30.64	Vertical
2445.040	94.72	100.25	-7.34	87.38	92.91	94	114	-6.62	-21.09	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4890.070	47.79	53.32	0.18	47.97	53.50	54	74	-6.03	-20.50	Vertical
7335.102	41.27	46.80	3.28	44.55	50.08	54	74	-9.45	-23.92	Vertical
4890.070	48.92	54.46	0.18	49.10	54.64	54	74	-4.90	-19.36	Horizontal
7335.102	41.77	47.28	3.28	45.05	50.56	54	74	-8.95	-23.44	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 30, 2010	Temperature:	25°C
EUT:	Bridge Scorer	Humidity:	50%
Model No.:	TBS	Power Supply:	4.5V DC (“AA” batteries 3 ×)
Test Mode:	TX 2480MHz	Test Engineer:	Joe

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2480.038	85.36	90.88	-7.37	77.99	83.51	94	114	-16.01	-30.49	Vertical
2480.038	94.90	100.44	-7.37	87.53	93.07	94	114	-6.47	-20.93	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4960.066	48.18	53.71	0.52	48.70	54.23	54	74	-5.30	-19.77	Vertical
7440.098	41.08	46.62	3.69	44.77	50.31	54	74	-9.23	-23.69	Vertical
4960.066	49.04	54.58	0.52	49.56	55.10	54	74	-4.44	-18.90	Horizontal
7440.098	40.49	46.21	3.69	44.18	49.90	54	74	-9.82	-24.10	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

5. SPURIOUS RADIATED EMISSION FOR SECTION 15.249(D)

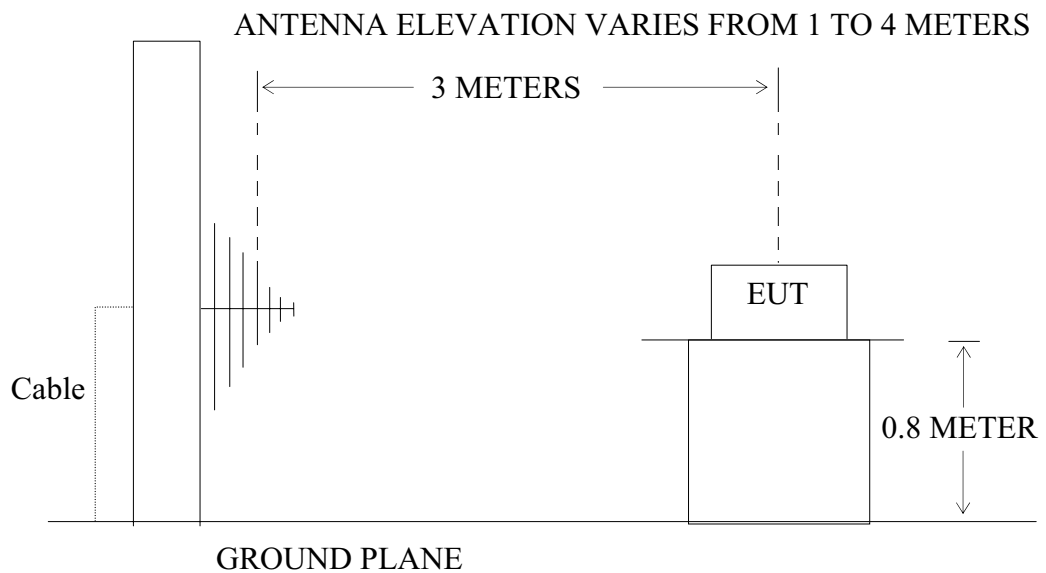
5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators



(EUT: Bridge Scorer)

5.1.2. Semi-Anechoic Chamber Test Setup Diagram



(EUT: Bridge Scorer)

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

Frequency (MHz)	Limit		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.
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dB μ V/m)	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	

5.3.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.

5.3.1. Bridge Scorer (EUT)

Model Number : TBS
 Serial Number : N/A
 Manufacturer : Keysbond (China) Limited

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 2405-2480MHz. We are select 2405MHz, 2445MHz, 2480MHz TX frequency to transmit.

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 EUT was tested in 3 orthogonal planes.

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 25000MHz 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:	March 30, 2010	Temperature:	25°C
EUT:	Bridge Scorer	Humidity:	50%
Model No.:	TBS	Power Supply:	4.5V DC (“AA” batteries 3×)
Test Mode:	TX 2405MHz	Test Engineer:	Joe

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 30, 2010	Temperature:	25°C
EUT:	Bridge Scorer	Humidity:	50%
Model No.:	TBS	Power Supply:	4.5V DC (“AA” batteries 3 ×)
Test Mode:	TX 2445MHz	Test Engineer:	Joe

Frequency (MHz)	Reading (dBμV/m)	Factor(dB) Corr.	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Polarization
	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 30, 2010	Temperature:	25°C
EUT:	Bridge Scorer	Humidity:	50%
Model No.:	TBS	Power Supply:	4.5V DC (“AA” batteries 3 ×)
Test Mode:	TX 2480MHz	Test Engineer:	Joe

Frequency (MHz)	Reading (dB μ V/m)	Factor(dB) Corr.	Result (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarization
	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

6. BAND EDGES

6.1.The Requirement

6.1.1.Band Edge from 2400MHz to 2483.5MHz. 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. Bridge Scorer (EUT)

Model Number : TBS
Serial Number : N/A
Manufacturer : Keysbond (China) Limited

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 2405-2480MHz. We are select 2405MHz, 2480MHz TX frequency to transmit.

6.4.Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above the ground plane and worked at highest radiated power.
2. The turntable was rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emission.
4. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission:
RBW=1MHz, VBW=1MHz

6.5.The Measurement Result

Pass.

Date of Test:	March 30, 2010	Temperature:	25°C
EUT:	Bridge Scorer	Humidity:	50%
Model No.:	TBS	Power Supply:	4.5V DC (“AA” batteries 3 ×)
Test Mode:	TX 2405MHz	Test Engineer:	Joe

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2400.000	44.01	49.52	-7.46	36.55	42.06	54	74	-17.45	-31.94	Vertical
2400.000	50.85	56.35	-7.46	43.39	48.89	54	74	-10.61	-25.11	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	March 30, 2010	Temperature:	25°C
EUT:	Bridge Scorer	Humidity:	50%
Model No.:	TBS	Power Supply:	4.5V DC (“AA” batteries 3 ×)
Test Mode:	TX 2480MHz	Test Engineer:	Joe

Frequency (MHz)	Reading(dBμV/m)		Factor(dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	49.06	54.57	-7.37	41.69	47.20	54	74	-12.31	-26.80	Vertical
2483.500	55.01	60.50	-7.37	47.64	53.13	54	74	-6.36	-20.87	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:

$$\text{Result} = \text{Reading} + \text{Corrected Factor}$$

$$\text{Where Corrected Factor} = \text{Antenna Factor} + \text{Cable Loss} + \text{High Pass Filter Loss} - \text{Amplifier Gain}$$

3. The spectral diagrams in appendix I display the measurement of peak values.

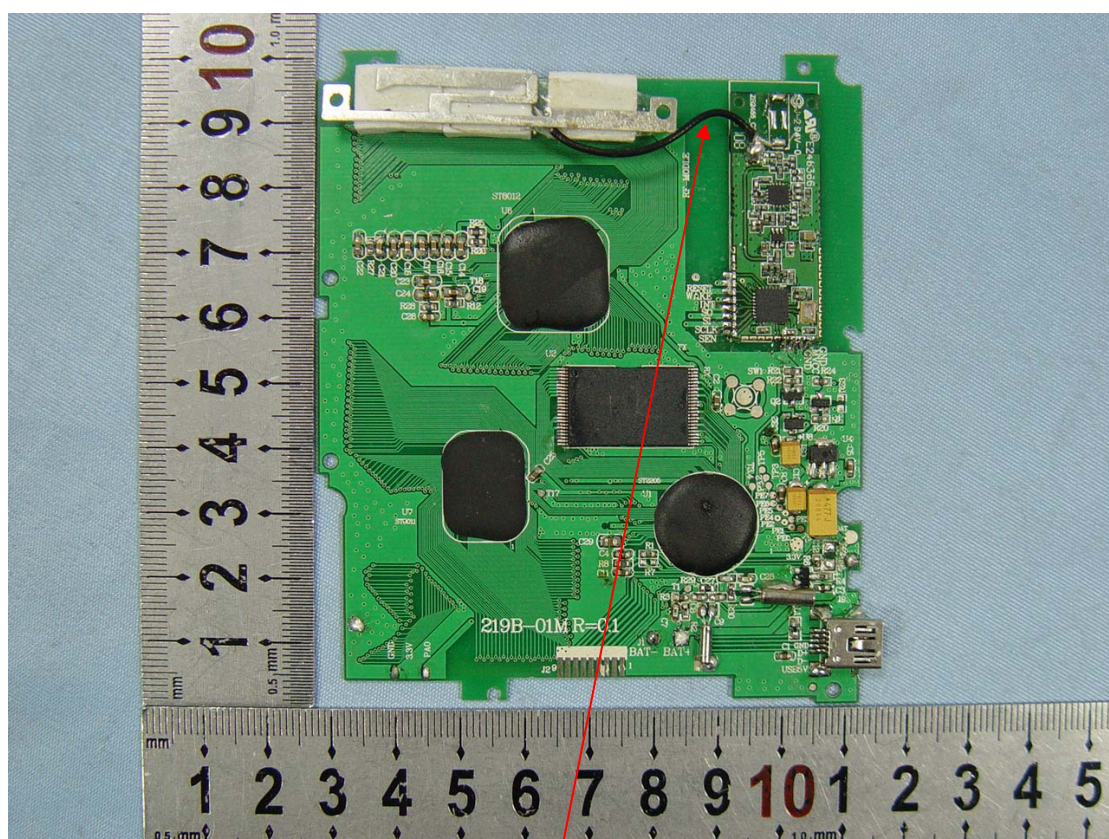
7. ANTENNA REQUIREMENT

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 short copper wire soldered on the PCB, no consideration of replacement.



Antenna

APPENDIX I (Test Curves)



ACCURATE TECHNOLOGY CO., LTD.

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 #4394

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2405MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

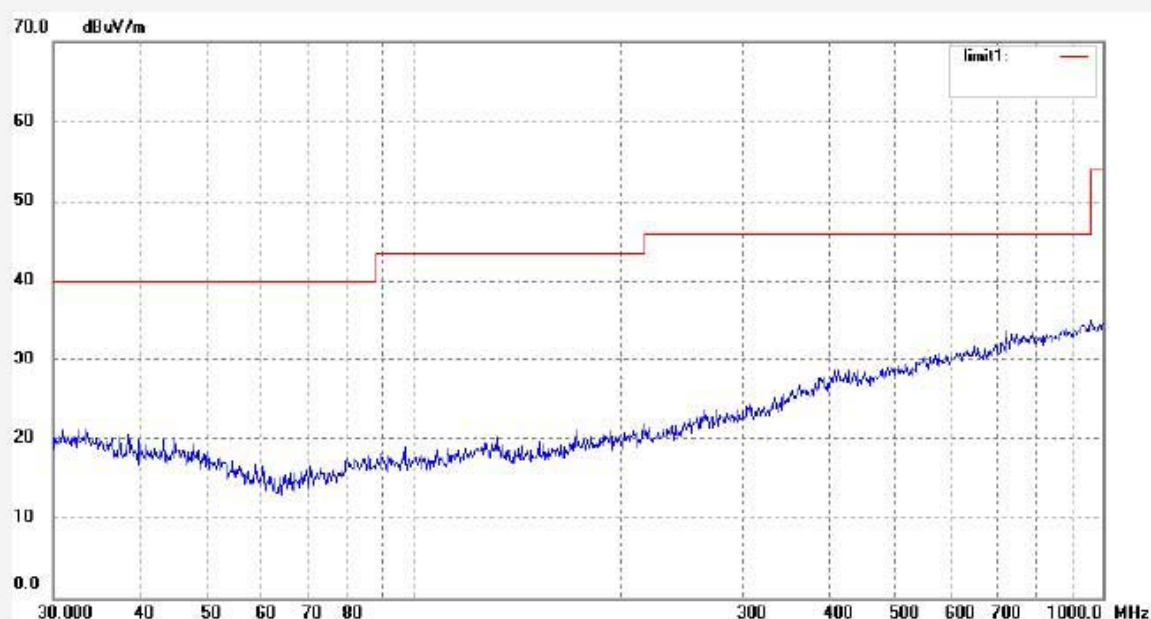
Date: 2010/03/30

Time: 18:18:33

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

 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 #4395

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2405MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Vertical

Power Source: DC 4.5V

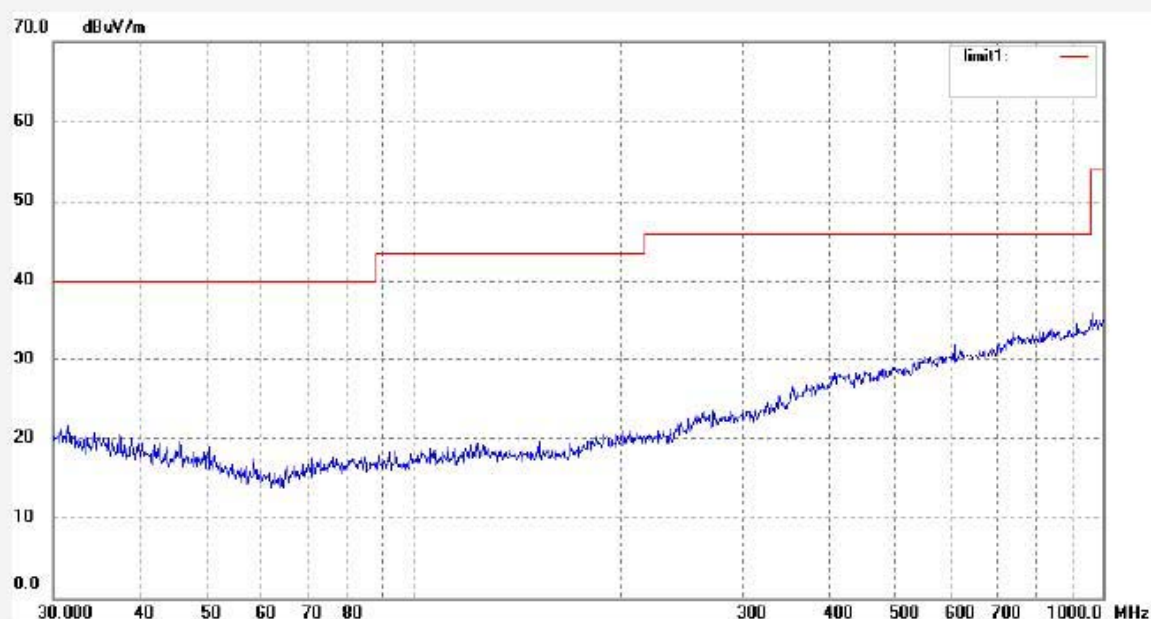
Date: 2010/03/30

Time: 18:22:12

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: RTTE #4401

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2405MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

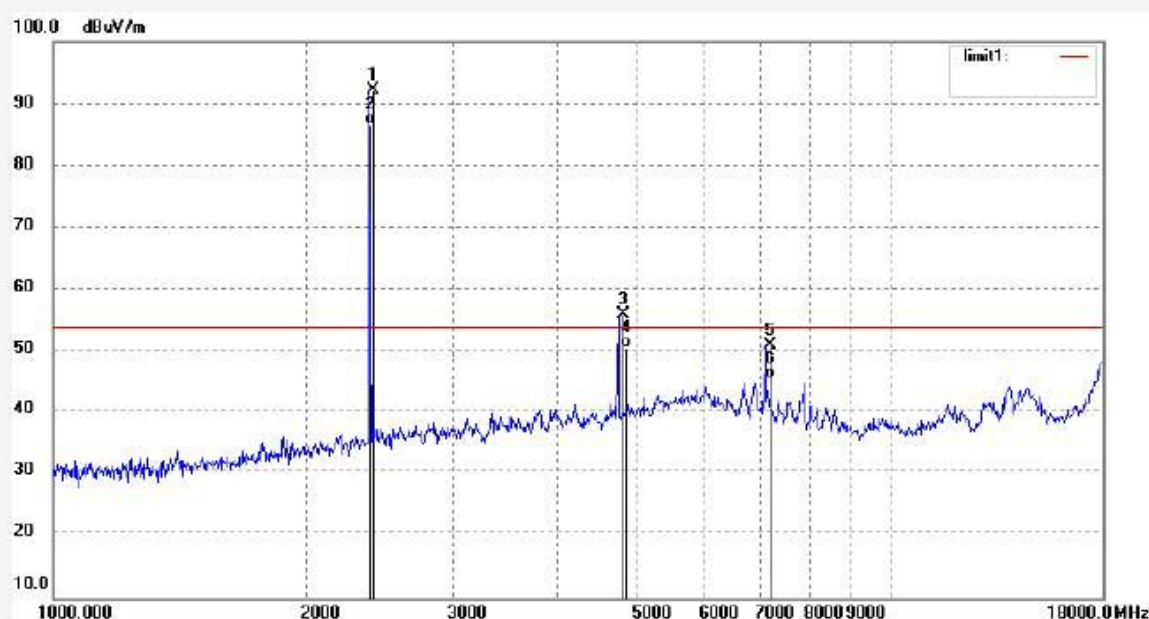
Date: 2010/03/30

Time: 18:55:32

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2405.030	99.59	-7.45	92.14	114.00	-21.86	peak			
2	2405.030	94.03	-7.45	86.58	94.00	-7.42	AVG			
3	4810.052	56.37	-0.26	56.11	74.00	-17.89	peak			
4	4810.052	50.83	-0.26	50.57	54.00	-3.43	AVG			
5	7215.080	47.99	2.99	50.98	74.00	-23.02	peak			
6	7215.080	42.46	2.99	45.45	54.00	-8.55	AVG			



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

Job No.: RTTE #4400

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2405MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Vertical

Power Source: DC 4.5V

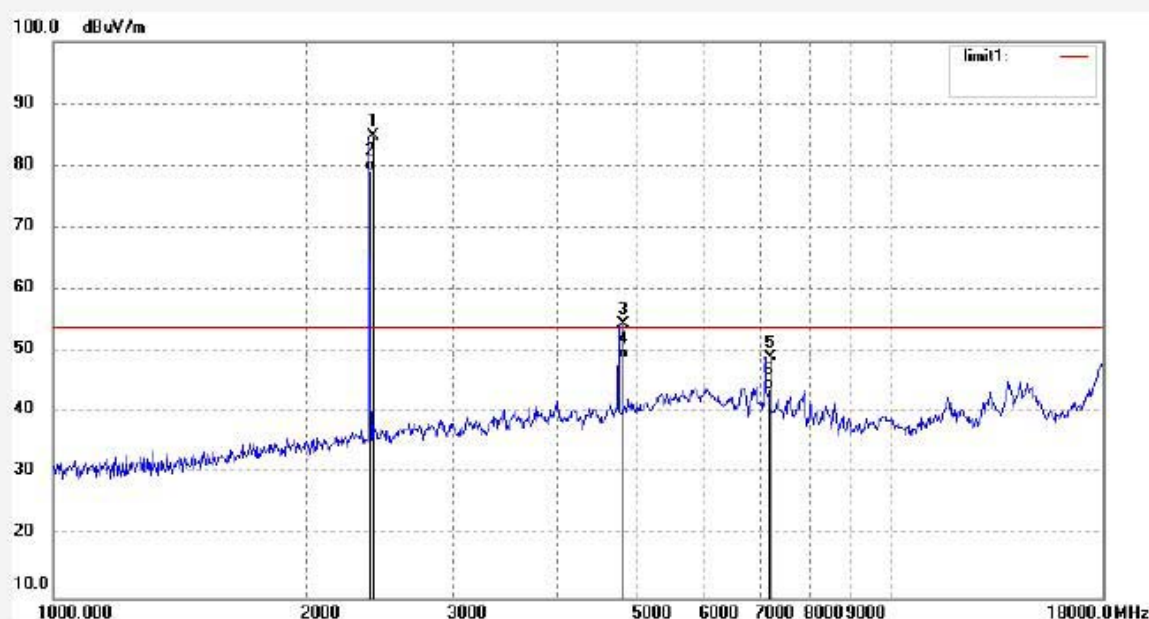
Date: 2010/03/30

Time: 18:51:25

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2405.030	92.17	-7.45	84.72	114.00	-29.28	peak			
2	2405.030	86.64	-7.45	79.19	94.00	-14.81	AVG			
3	4810.052	54.65	-0.26	54.39	74.00	-19.61	peak			
4	4810.052	49.11	-0.26	48.85	54.00	-5.15	AVG			
5	7215.080	46.09	2.99	49.08	74.00	-24.92	peak			
6	7215.080	40.54	2.99	43.53	54.00	-10.47	AVG			


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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: RTTE #4410

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2405MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

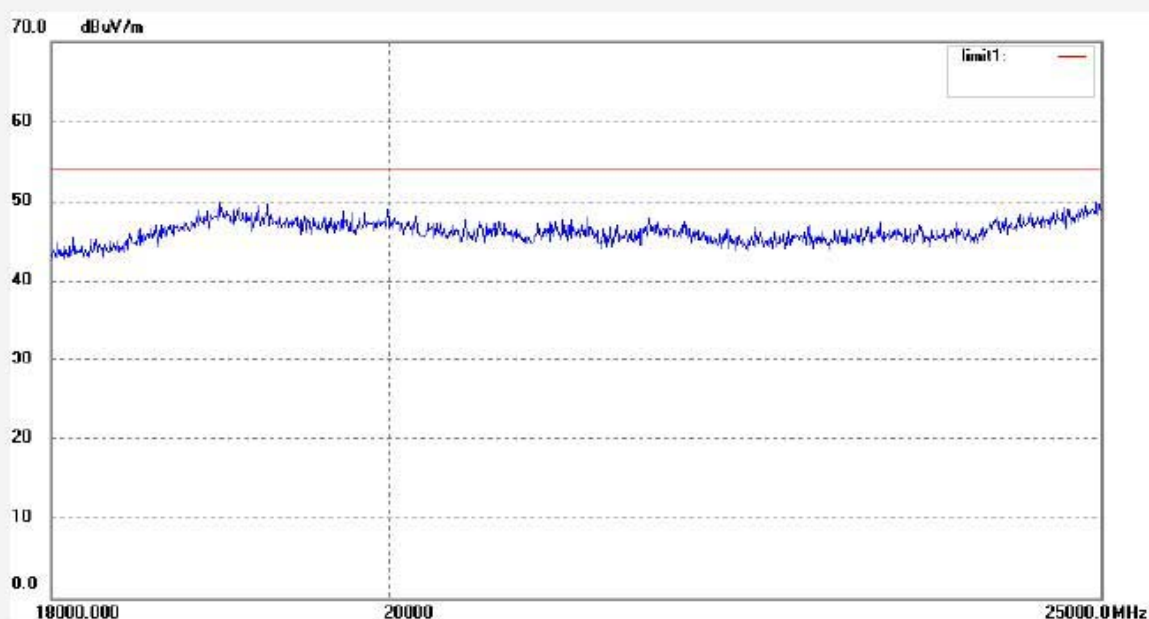
Date: 2010/03/30

Time: 19:43:59

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

 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 #4411

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2405MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Vertical

Power Source: DC 4.5V

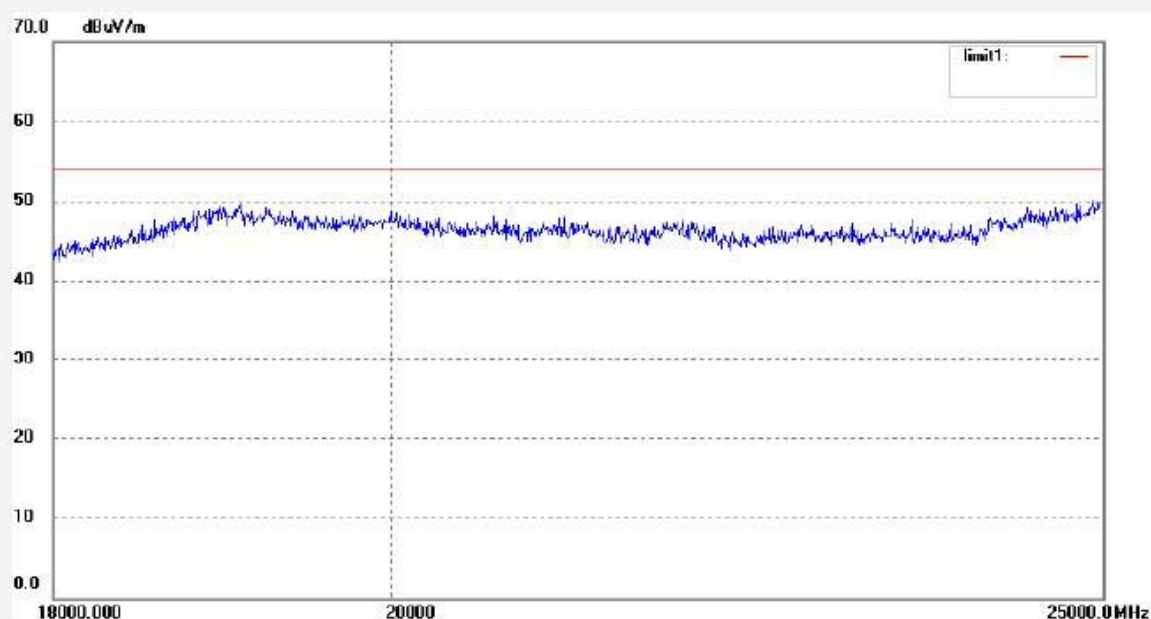
Date: 2010/03/30

Time: 19:47:45

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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 #4397

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2445MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

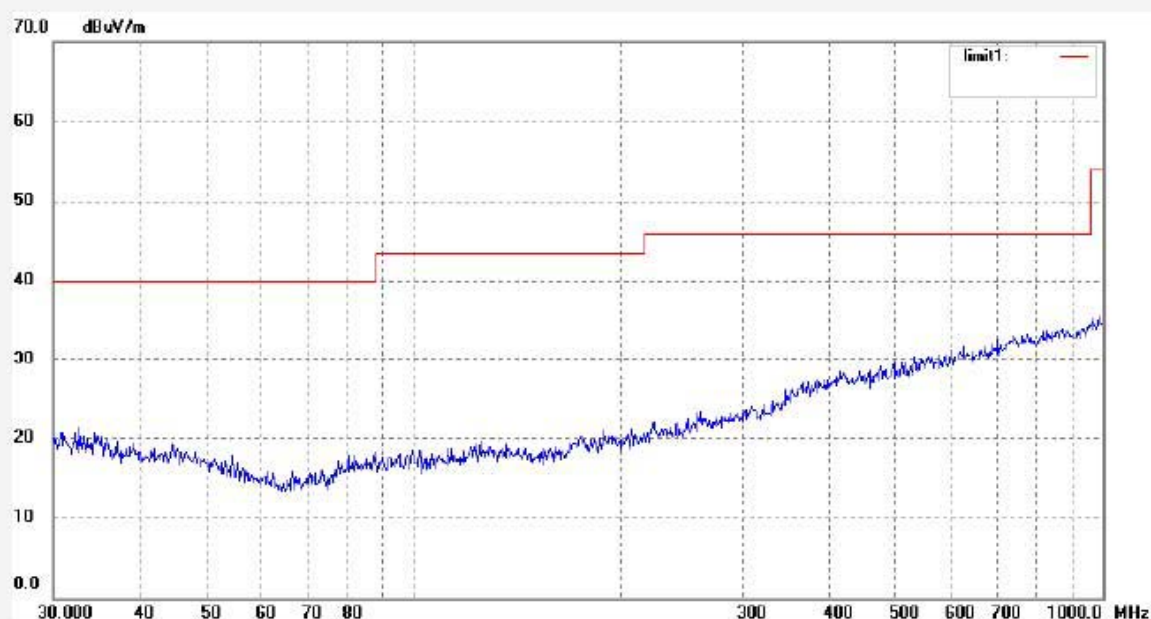
Date: 2010/03/30

Time: 18:30:14

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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 #4396

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2445MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Vertical

Power Source: DC 4.5V

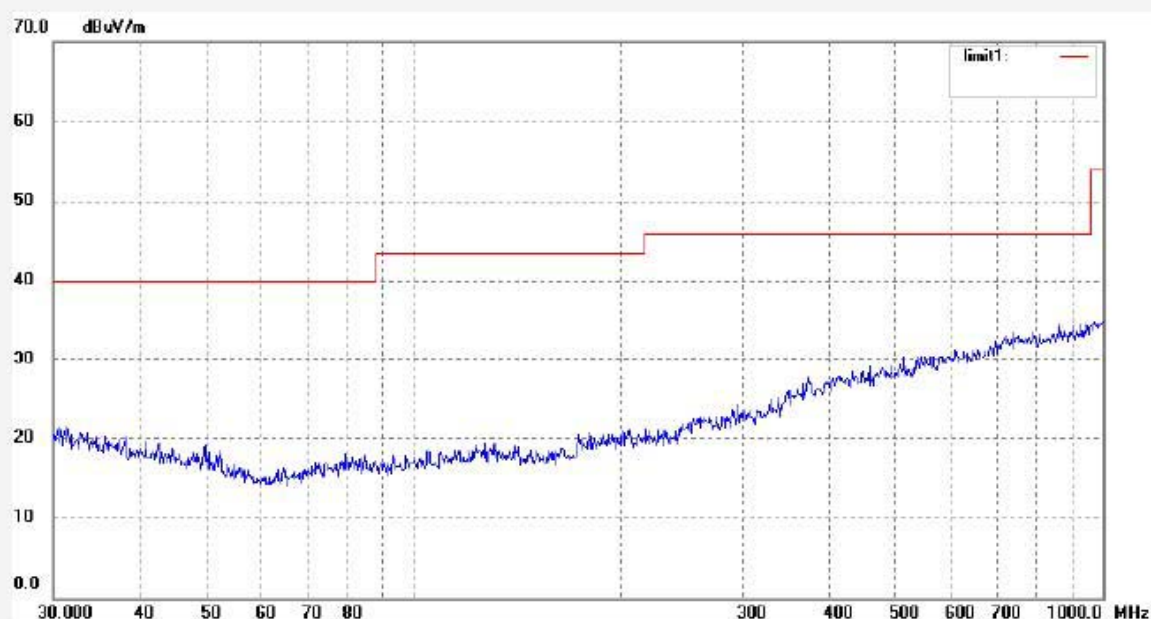
Date: 2010/03/30

Time: 18:26:39

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: RTTE #4402

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2445MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

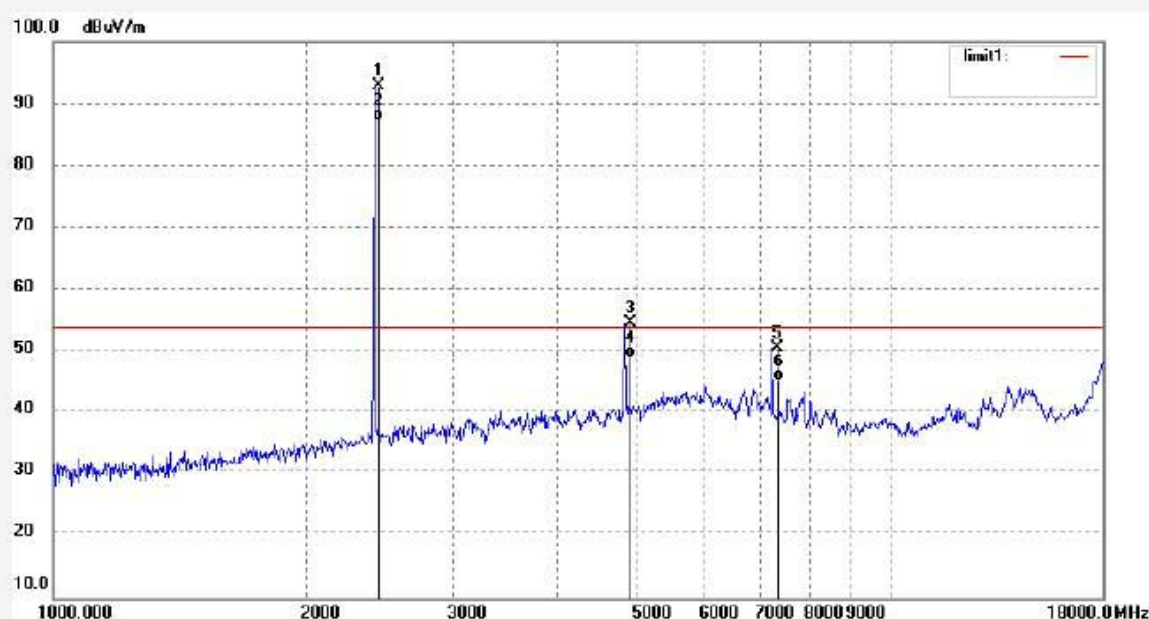
Date: 2010/03/30

Time: 18:59:54

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2445.040	100.25	-7.34	92.91	114.00	-21.09	peak			
2	2445.040	94.72	-7.34	87.38	94.00	-6.62	AVG			
3	4890.070	54.46	0.18	54.64	74.00	-19.36	peak			
4	4890.070	48.92	0.18	49.10	54.00	-4.90	AVG			
5	7335.102	47.28	3.28	50.56	74.00	-23.44	peak			
6	7335.102	41.77	3.28	45.05	54.00	-8.95	AVG			



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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: RTTE #4403

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2445MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Vertical

Power Source: DC 4.5V

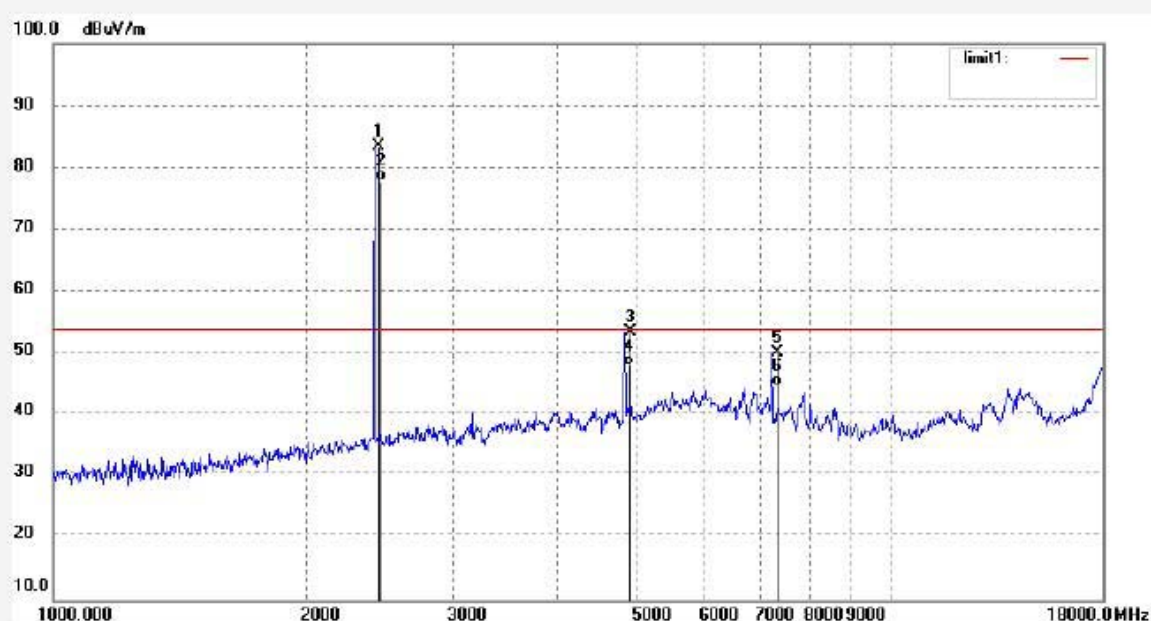
Date: 2010/03/30

Time: 19:03:46

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2445.040	90.70	-7.34	83.36	114.00	-30.64	peak			
2	2445.040	85.18	-7.34	77.84	94.00	-16.16	AVG			
3	4890.070	53.32	0.18	53.50	74.00	-20.50	peak			
4	4890.070	47.79	0.18	47.97	54.00	-6.03	AVG			
5	7335.102	46.80	3.28	50.08	74.00	-23.92	peak			
6	7335.102	41.27	3.28	44.55	54.00	-9.45	AVG			


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 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 #4413

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2445MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

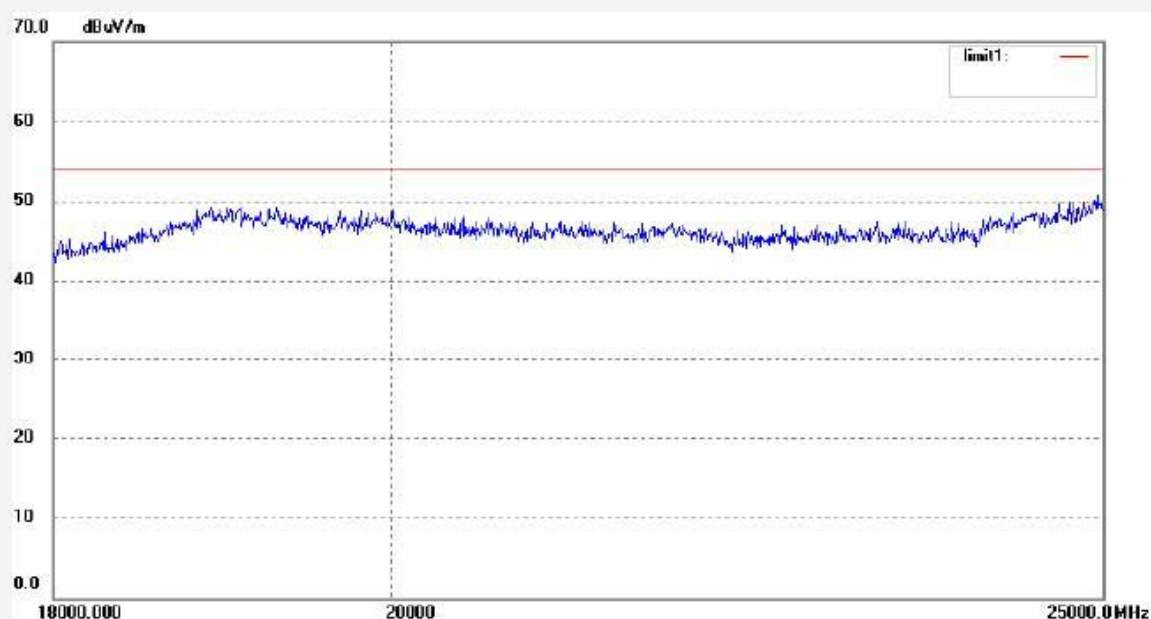
Date: 2010/03/30

Time: 19:55:17

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

 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 #4412

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2445MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Vertical

Power Source: DC 4.5V

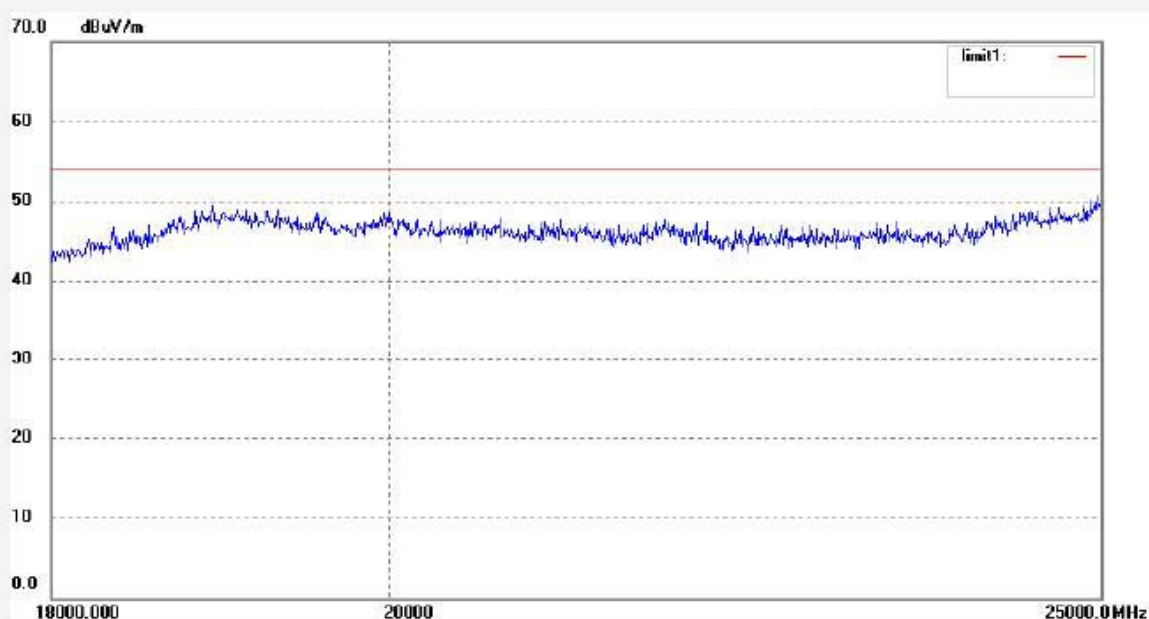
Date: 2010/03/30

Time: 19:51:26

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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 #4398

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2480MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

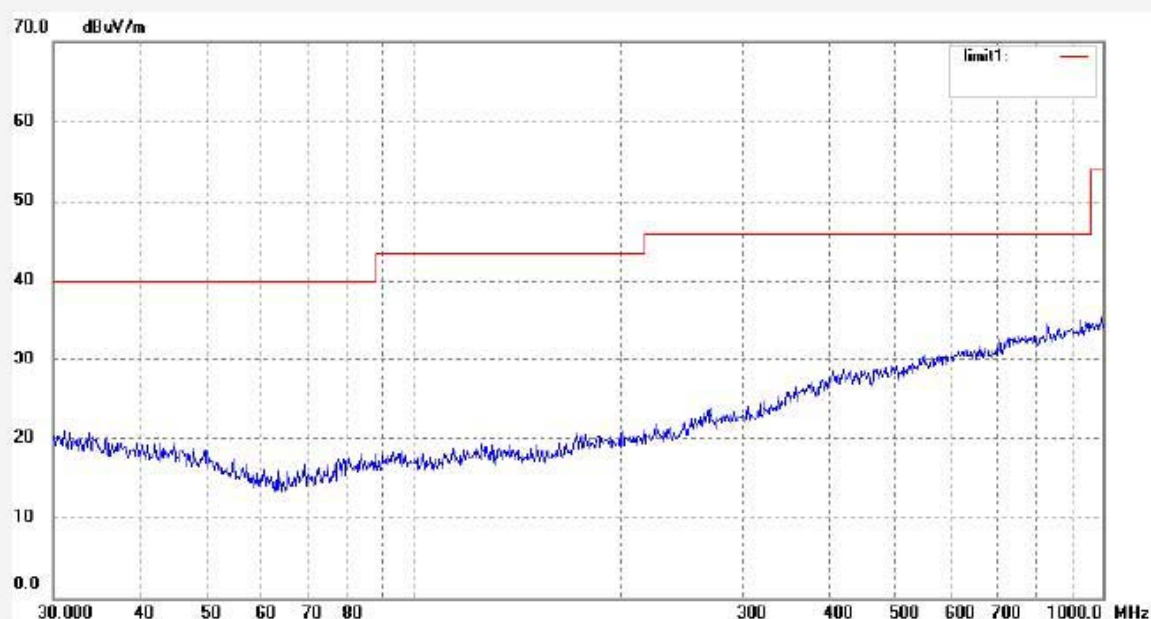
Date: 2010/03/30

Time: 18:34:38

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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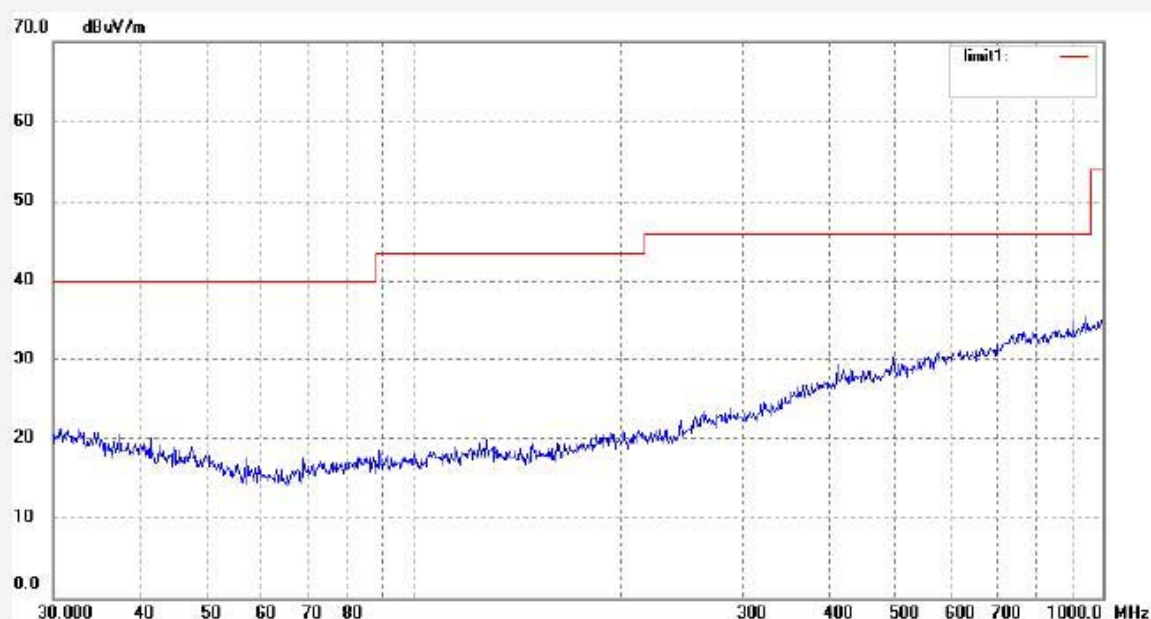
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: RTTE #4399
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 50 %
EUT: Bridge Scorer
Mode: TX 2480MHz
Model: TBS

Polarization: Vertical
Power Source: DC 4.5V
Date: 2010/03/30
Time: 18:38:19
Engineer Signature: Joe
Distance: 3m

Manufacturer: Keysbond (China) Limited

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: RTTE #4405

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2480MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

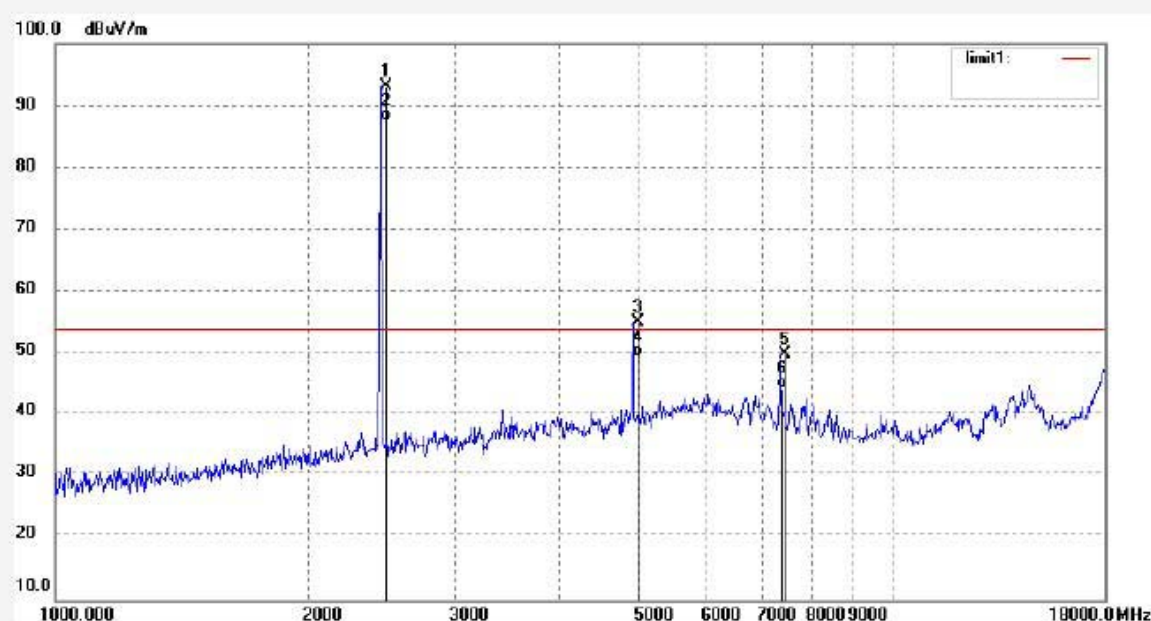
Date: 2010/03/30

Time: 19:12:01

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.038	100.44	-7.37	93.07	114.00	-20.93	peak			
2	2480.038	94.90	-7.37	87.53	94.00	-6.47	AVG			
3	4960.066	54.58	0.52	55.10	74.00	-18.90	peak			
4	4960.066	49.04	0.52	49.56	54.00	-4.44	AVG			
5	7440.098	46.21	3.69	49.90	74.00	-24.10	peak			
6	7440.098	40.49	3.69	44.18	54.00	-9.82	AVG			


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 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: RTTE #4404

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2480MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Vertical

Power Source: DC 4.5V

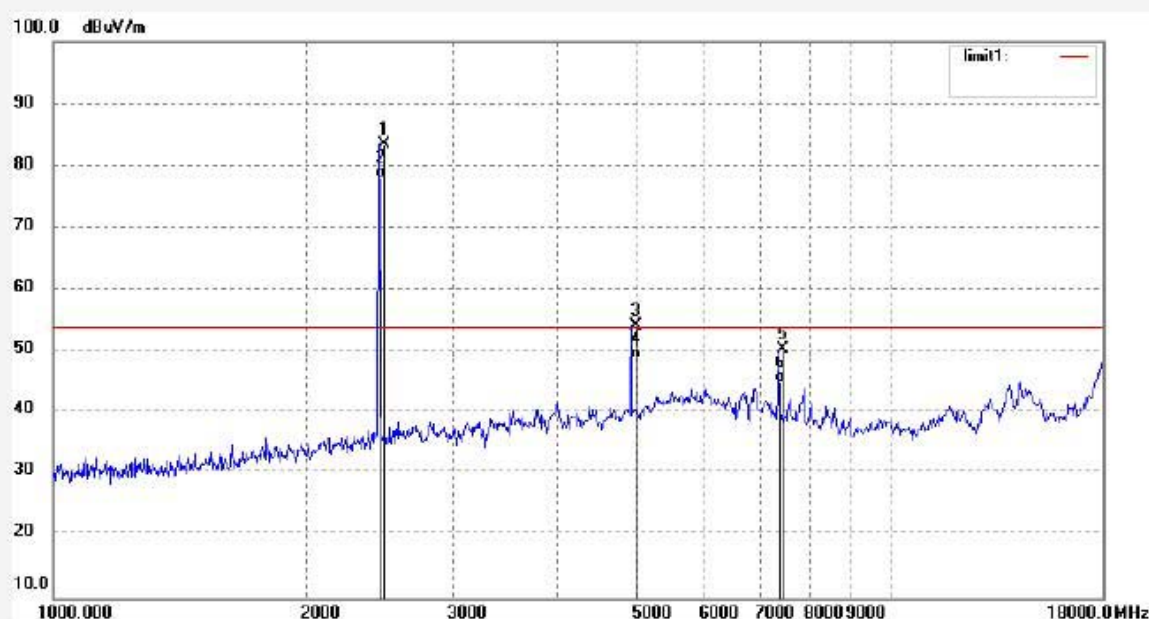
Date: 2010/03/30

Time: 19:08:09

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.038	90.88	-7.37	83.51	114.00	-30.49	peak			
2	2480.038	85.36	-7.37	77.99	94.00	-16.01	AVG			
3	4960.066	53.71	0.52	54.23	74.00	-19.77	peak			
4	4960.066	48.18	0.52	48.70	54.00	-5.30	AVG			
5	7440.098	46.62	3.69	50.31	74.00	-23.69	peak			
6	7440.098	41.08	3.69	44.77	54.00	-9.23	AVG			


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

Job No.: RTTE #4414

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2480MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

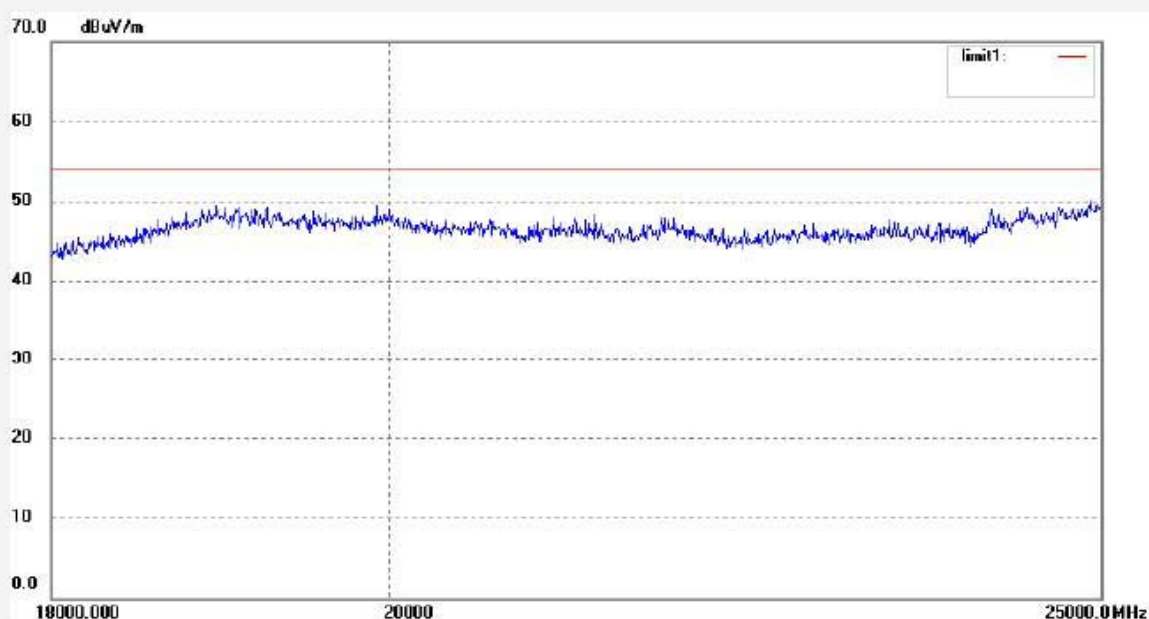
Date: 2010/03/30

Time: 19:59:33

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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 #4415

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2480MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Vertical

Power Source: DC 4.5V

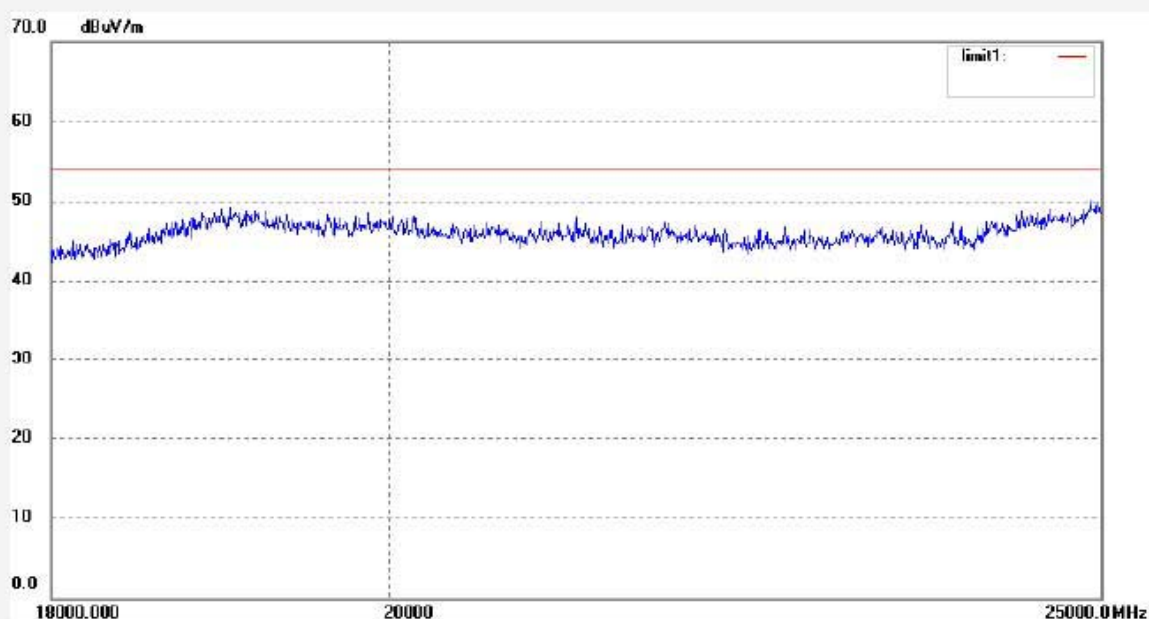
Date: 2010/03/30

Time: 20:03:27

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

 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 #4409

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2405MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

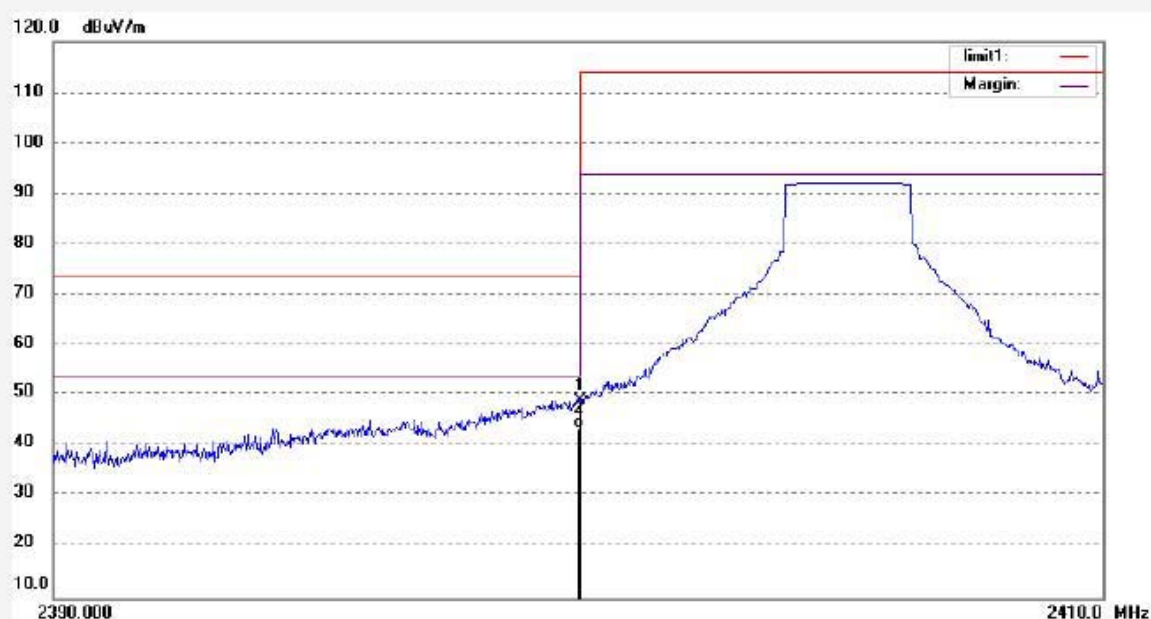
Date: 2010/03/30

Time: 19:36:37

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.000	56.35	-7.46	48.89	74.00	-25.11	peak			
2	2400.000	50.85	-7.46	43.39	54.00	-10.61	AVG			


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Site: 966 chamber

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Fax:+86-0755-26503396

Job No.: RTTE #4408

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2405MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Vertical

Power Source: DC 4.5V

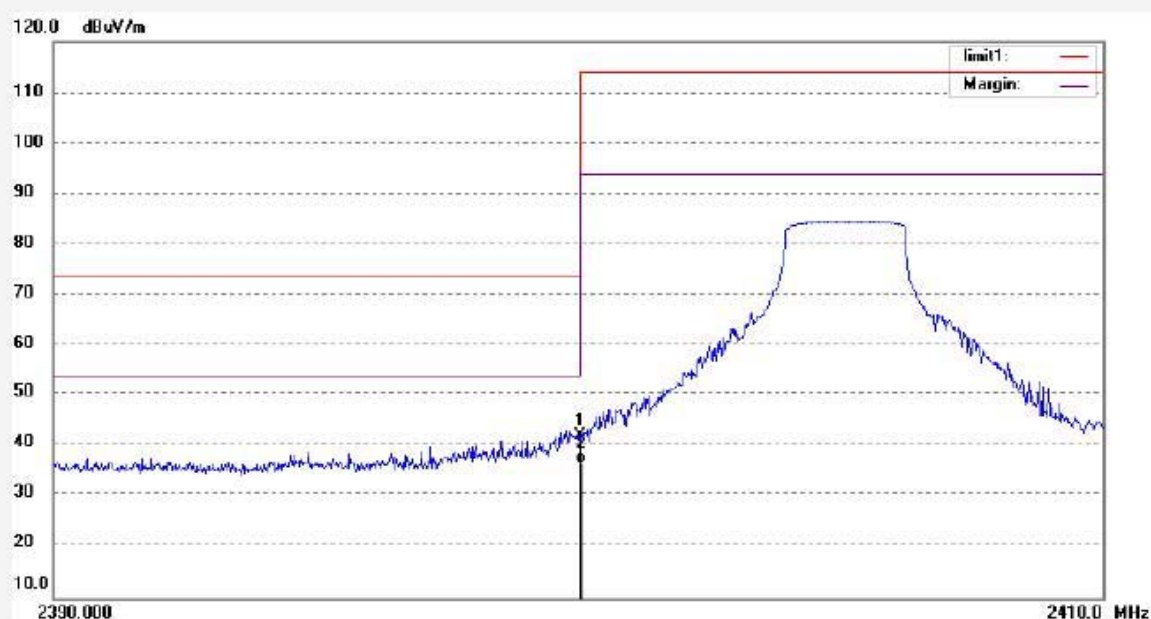
Date: 2010/03/30

Time: 19:32:39

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2400.000	49.52	-7.46	42.06	74.00	-31.94	peak			
2	2400.000	44.01	-7.46	36.55	54.00	-17.45	AVG			


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Site: 966 chamber

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Fax:+86-0755-26503396

Job No.: RTTE #4406

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2480MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Horizontal

Power Source: DC 4.5V

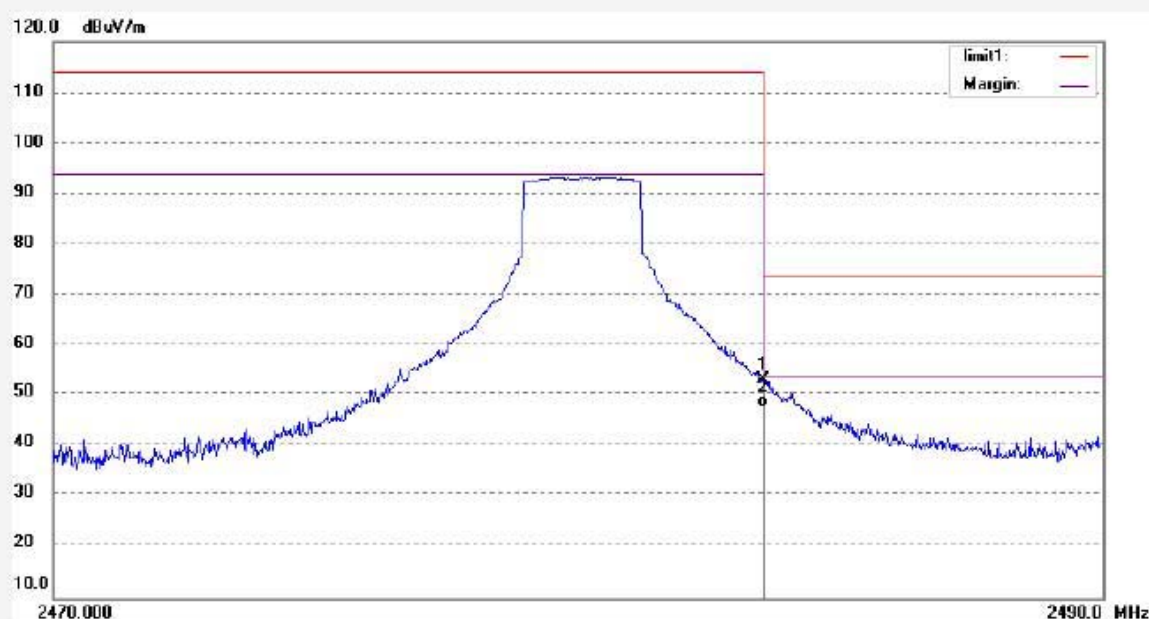
Date: 2010/03/30

Time: 19:23:02

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	60.50	-7.37	53.13	74.00	-20.87	peak			
2	2483.500	55.01	-7.37	47.64	54.00	-6.36	AVG			



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

Job No.: RTTE #4407

Standard: FCC Part 15 PEAK 2.4G

Test item: Radiation Test

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

EUT: Bridge Scorer

Mode: TX 2480MHz

Model: TBS

Manufacturer: Keysbond (China) Limited

Polarization: Vertical

Power Source: DC 4.5V

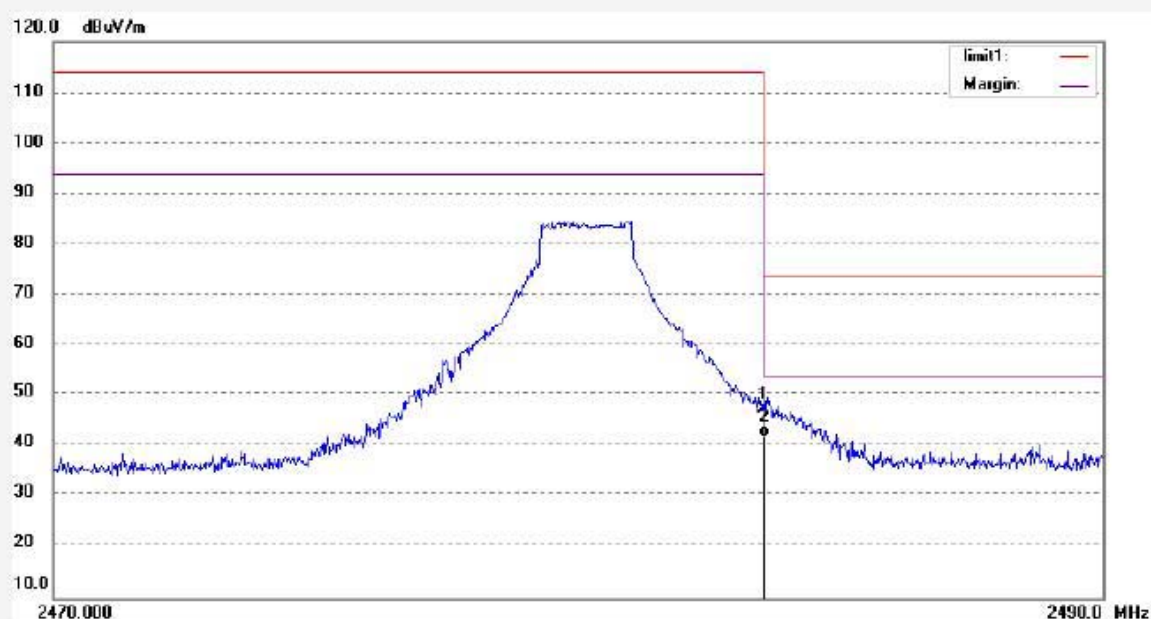
Date: 2010/03/30

Time: 19:27:18

Engineer Signature: Joe

Distance: 3m

Note: Sample No.:100554 Report No.:ATE20100506



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	54.57	-7.37	47.20	74.00	-26.80	peak			
2	2483.500	49.06	-7.37	41.69	54.00	-12.31	AVG			