

FCC CERTIFICATION
On Behalf of
HYGINEX

BRACELET
Model No.: BRC-000-02

FCC ID: SEOHY-BRC003

Prepared for : HYGINEX
Address : 18 shenkar St, First Floor, P.O. Box 12317, HERZLIYA

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Report Number : ATE20122106
Date of Test : Feb15- Mar 9, 2013
Date of Report : Mar 10 , 2013

TABLE OF CONTENTS

Description	Page
Test Report Certification	
1. GENERAL INFORMATION	4
1.1. Description of Device (EUT).....	4
1.2. Description of Test Facility	4
1.3. Measurement Uncertainty	5
2. MEASURING DEVICE AND TEST EQUIPMENT	6
3. SUMMARY OF TEST RESULTS.....	7
4. FUNDAMENTAL AND HARMONICS RADIATED EMISSION FOR SECTION 15.249(A) 8	8
4.1. Block Diagram of Test Setup.....	8
4.2. The Emission Limit	9
4.3. Configuration of EUT on Measurement	9
4.4. Operating Condition of EUT	9
4.5. Test Procedure	10
4.6. The Field Strength of Radiation Emission Measurement Results	11
5. SPURIOUS 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)	15
5.3. EUT Configuration on Measurement	15
5.4. Operating Condition of EUT	15
5.5. Test Procedure	16
5.6. The Emission Measurement Result	17
6. BAND EDGES	20
6.1. The Requirement	20
6.2. EUT Configuration on Measurement	20
6.3. Operating Condition of EUT	20
6.4. Test Procedure	20
6.5. The Measurement Result	21
7. AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A) ..23	23
7.1. Block Diagram of Test Setup.....	23
7.2. The Emission Limit	23
7.3. Configuration of EUT on Measurement	24
7.4. Operating Condition of EUT	24
7.5. Test Procedure	24
7.6. Power Line Conducted Emission Measurement Results	25
8. 20DB BANDWIDTH.....	28
8.1. Block Diagram of Test Setup.....	28
8.2. EUT Configuration on Measurement	28
8.3. Operating Condition of EUT	28
8.4. Test Procedure	29
8.5. Test Result	29
9. ANTENNA REQUIREMENT.....	30
9.1. The Requirement	30
9.2. Antenna Construction	30

APPENDIX I (TEST CURVES) (28 pages)

Test Report Certification

Applicant : HYGINEX
 Manufacturer : Exploit Innovation Limited
 EUT Description : BRACELET
 (A) MODEL NO.: BRC-000-02
 (B) Trade Name.: N/A
 (C) POWER SUPPLY: DC 3.7V& AC 120V/60Hz

Measurement Procedure Used:

**FCC Rules and Regulations Part 15 Subpart C Section 15.249: 2008
ANSI C63.4: 2009**

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 : Feb 15-Mar 9 , 2013

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : BRACELET
 Model Number : BRC-000-02
 Modulation type : GFSK
 Power Supply : DC 3.7V(Powered by battery) AC 120V/60Hz(Powered by adapter)
 Adapter : Model NO.: GS60A05
 Input: 100-240VAV 50/60Hz 1.4A
 Output: 5V 6.0A 30W MAX
 Operate Frequency : 2412-2480 MHz
 Applicant : HYGINEX
 Address : 18 shenkar St., First Floor, P.O. Box 12317, HERZLIYA
 Manufacturer : Exploit Innovation Limited
 Address : RM2901, Wen Jin South Road, Zhong Shang Da Sha, Luo Hu, Shenzhen, China
 Date of sample received : Jan 30, 2013
 Date of Test : Feb 15-Mar 9, 2013

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 (9kHz-30MHz) = 3.08dB, k=2

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

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

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. 12, 2014
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 12, 2014
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 12, 2014
Pre-Amplifier	Rohde&Schwarz	CBLU118354 0-01	3791	Jan. 12, 2014
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Feb. 06, 2014
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Feb. 06, 2014
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Feb. 06, 2014
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-1067	Oct. 30, 2013
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 12, 2014
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 12, 2014

3. SUMMARY OF TEST RESULTS

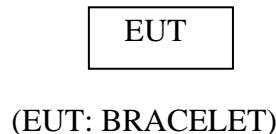
FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission	Compliant
Section 15.249(a)	Fundamental and Harmonics Radiated Emission	Compliant
Section 15.249(d)	Spurious Radiated Emission	Compliant
Section 15.249(d)	Band Edge	Compliant
Section 15.203	Antenna Requirement	Compliant

Remark: “N/A” means “Not applicable”.

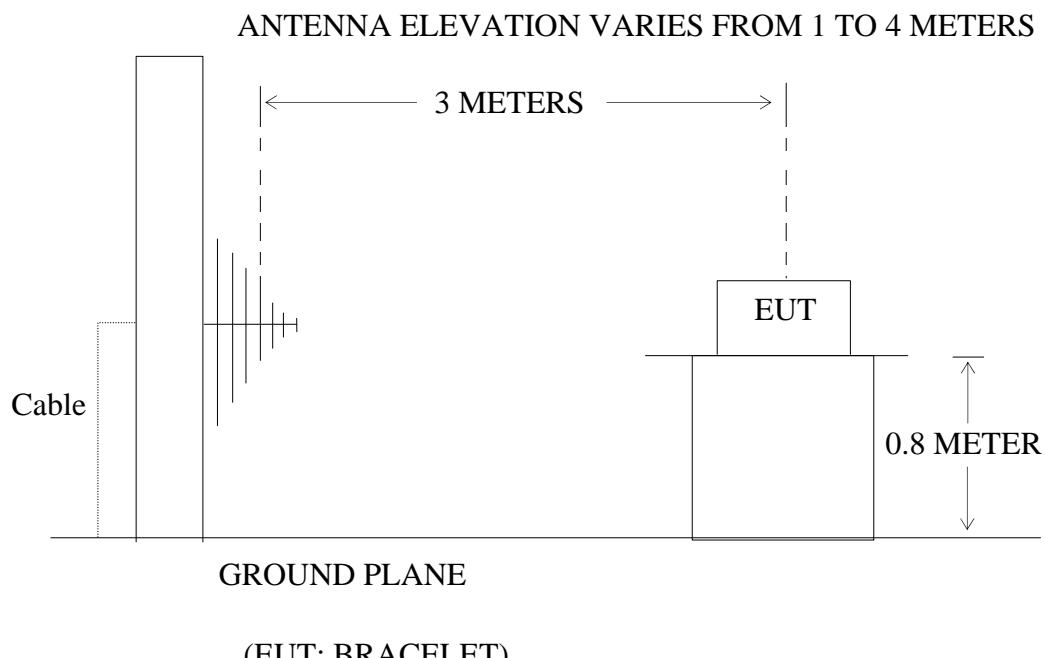
4. FUNDAMENTAL AND HARMONICS RADIATED EMISSION FOR SECTION 15.249(A)

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. BRACELET (EUT)

Model Number : BRC-000-02
 Serial Number : N/A
 Manufacturer : Exploit Innovation 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 2412 - 2480 MHz MHz. We are select 2412 MHz, 2446MHz, and 2480 MHz 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 bi-log 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: 2009 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

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

The frequency range from 30MHz to 25000MHz is checked.

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

Date of Test: <u>Feb 16, 2013</u>	Temperature: <u>25°C</u>
EUT: <u>BRACELET</u>	Humidity: <u>50%</u>
Model No.: <u>BCR-000-02</u>	Power Supply: <u>AC 120V</u>
Test Mode: <u>TX 2412MHz</u>	Test Engineer: <u>Allen</u>

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2412.000	88.63	91.29	-7.49	81.14	83.80	94	114	-12.86	-30.20	Vertical
2412.000	88.12	90.88	-7.47	80.63	83.39	94	114	-13.37	-30.61	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4824.000	45.63	48.82	-0.62	45.01	48.20	54	74	-8.99	-25.80	Vertical
4824.000	43.21	47.75	-0.62	42.59	47.13	54	74	-11.41	-26.87	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:

Result = Reading + Corrected Factor

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

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

Date of Test: <u>Feb 16, 2013</u>	Temperature: <u>25°C</u>
EUT: <u>BRACELET</u>	Humidity: <u>50%</u>
Model No.: <u>BRC-000-02</u>	Power Supply: <u>AC 120V</u>
Test Mode: <u>TX 2446MHz</u>	Test Engineer: <u>Allen</u>

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2446.000	88.68	91.81	-7.40	81.28	84.41	94	114	-12.72	-29.59	Vertical
2446.000	88.01	90.87	-7.40	80.61	83.47	94	114	-13.39	-30.53	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4892.000	46.12	48.38	-0.15	45.97	48.23	54	74	-8.03	-25.77	Vertical
4892.000	46.23	49.49	-0.15	46.08	49.34	54	74	-7.92	-24.66	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:

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

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

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

Date of Test: <u>Feb 16, 2013</u>	Temperature: <u>25°C</u>
EUT: <u>BRACELET</u>	Humidity: <u>50%</u>
Model No.: <u>BRC-000-02</u>	Power Supply: <u>AC 120V</u>
Test Mode: <u>TX 2480MHz</u>	Test Engineer: <u>Allen</u>

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2480.000	90.54	93.61	-7.33	83.21	86.28	94	114	-10.79	-27.72	Vertical
2480.000	90.12	93.16	-7.33	82.79	85.83	94	114	-11.21	-28.17	Horizontal

Harmonics Radiated Emissions

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
4960.000	46.98	50.09	0.30	47.28	50.39	54	74	-6.72	-23.61	Vertical
4960.000	49.69	53.44	0.30	49.99	53.74	54	74	-4.01	-20.26	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:

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

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

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

5. SPURIOUS RADIATED EMISSION FOR SECTION 15.249(D)

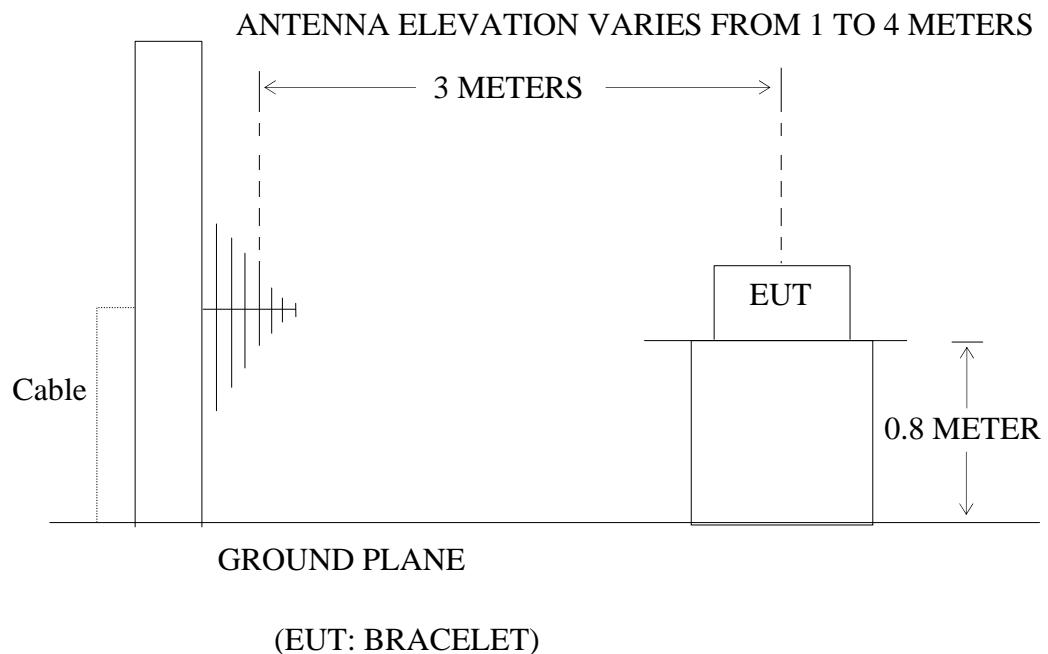
5.1. Block Diagram of Test Setup

5.1.1. Block diagram of connection between the EUT and simulators



(EUT: BRACELET)

5.1.2. Semi-Anechoic Chamber Test Setup Diagram



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	
	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. BRACELET (EUT)

Model Number : BRC-000-02
 Serial Number : N/A
 Manufacturer : Exploit Innovation 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 2412 - 2480 MHz. We are select 2412MHz, 2446MHz, and 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: 2009 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

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

The frequency range from 30MHz to 25000MHz is checked.

The final measurement in band 9-90 kHz, 110-490 kHz 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:	Feb 16, 2013	Temperature:	25°C
EUT:	BRACELET	HuBRACELE	
Model No.:	BRC-000-02	Tity:	50%
Test Mode:	TX 2412MHz	Power Supply:	AC 120V
		Test Engineer:	Allen

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

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

Date of Test:	Feb 16, 2013	Temperature:	25°C
EUT:	BRACELET	HuBRACELE	
Model No.:	BRC-000-02	Tity:	50%
Test Mode:	TX 2446MHz	Power Supply:	AC 120V
		Test Engineer:	Allen

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

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

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

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

Date of Test:	Feb 16, 2013	Temperature:	25°C
EUT:	BRACELET	HuBRACELE	
Model No.:	BRC-000-02	Tity:	50%
Test Mode:	TX 2480MHz	Power Supply:	AC 120V
		Test Engineer:	Allen

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

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. BRACELET (EUT)

Model Number	:	BRCC-000-02
Serial Number	:	N/A
Manufacturer	:	Exploit Innovation 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 2412-2480 MHz. We are select 2412MHz, 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:	Feb 16, 2013	Temperature:	25°C
EUT:	BRACELET	Humidity:	50%
Model No.:	BRC-000-02	Power Supply:	AC 120V
Test Mode:	TX 2412MHz	Test Engineer:	Allen

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2398.971	48.21	54.18	-7.46	40.75	46.72	54	74	-13.25	-27.28	Vertical
2400.000	47.69	54.13	-7.46	40.23	46.67	54	74	-13.77	-27.33	Vertical
2397.698	43.85	52.91	-7.48	36.37	45.43	54	74	-17.63	-28.57	Horizontal
2400.000	40.32	46.18	-7.46	32.86	38.72	54	74	-21.14	-35.28	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

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

Date of Test: <u>Feb 16, 2013</u>	Temperature: <u>25°C</u>
EUT: <u>BRACELET</u>	HuBRACELE
Model No.: <u>BRC-000-02</u>	Tity: <u>50%</u>
Test Mode: <u>TX 2480 MHz</u>	Power Supply: <u>AC 120V</u>
	Test Engineer: <u>Allen</u>

Frequency (MHz)	Reading(dB μ V/m)		Factor(dB) Corr.	Result(dB μ V/m)		Limit(dB μ V/m)		Margin(dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
2483.500	59.36	65.46	-7.37	51.99	58.09	54	74	-2.01	-15.91	Vertical
2483.810	58.64	64.65	-7.38	51.26	57.27	54	74	-2.74	-16.73	Vertical
2483.500	56.32	61.80	-7.37	48.95	54.43	54	74	-5.05	-19.57	Horizontal
2484.051	58.63	64.44	-7.38	51.25	57.06	54	74	-2.75	-16.94	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:

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

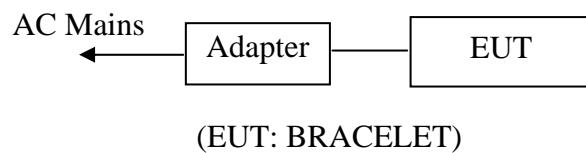
Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

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

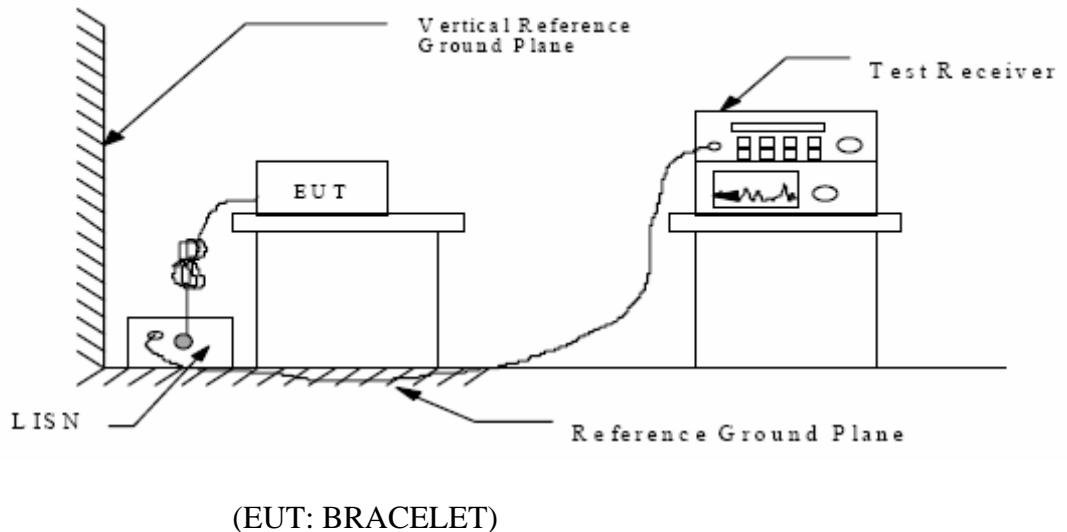
7. AC POWER LINE CONDUCTED EMISSION FOR FCC PART 15 SECTION 15.207(A)

7.1. Block Diagram of Test Setup

7.1.1. Block diagram of connection between the EUT and simulators



7.1.2. Shielding Room Test Setup Diagram



7.2. The Emission Limit

7.2.1. Conducted Emission Measurement Limits According to Section 15.207(a)

Frequency (MHz)	Limit dB(μ V)	
	Quasi-peak Level	Average Level
0.15 - 0.50	66.0 - 56.0 *	56.0 - 46.0 *
0.50 - 5.00	56.0	46.0
5.00 - 30.00	60.0	50.0

* Decreases with the logarithm of the frequency.

7.3. Configuration of EUT on Measurement

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

7.3.1. BRACELET (EUT)

Model Number	:	M1
Serial Number	:	N/A
Manufacturer	:	Exploit Innovation Limited

7.4. Operating Condition of EUT

7.4.1. Setup the EUT and simulator as shown as Section 11.1.

7.4.2. Turn on the power of all equipment.

7.4.3. Let the EUT work in TX (Operation) mode measure it.

7.5. Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2009 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9 kHz.

The frequency range from 150 kHz to 30MHz is checked.

7.6. Power Line Conducted Emission Measurement Results

PASS.

The frequency range from 150 kHz to 30MHz is checked.

Date of Test:	Mar 9, 2013	Temperature:	25°C
EUT:	BRACELET	Humidity:	50%
Model No.:	BCR-000-02	Power Supply:	AC 120V/60Hz
Test Mode:	operation	Test Engineer:	Allen

Frequency (MHz)	Result (dB μ V)	Limit (dB μ V)	Margin (dB)	Detector	Line
0.384004	36.80	58	21.6	QP	Neutral
0.442311	36.10	57	20.9	QP	
0.639356	34.50	56	21.5	QP	
8.332766	23.90	49	25.5	AV	
0.627968	20.60	46	25.4	AV	
11.443038	24.10	50	25.9	AV	
0.340837	37.50	59	21.7	QP	Live
0.437043	36.00	57	21.1	QP	
0.625537	36.20	56	19.8	QP	
0.333765	25.60	49	23.8	AV	
0.626089	23.00	46	23.0	AV	
11.443038	23.50	50	26.5	AV	

Emissions attenuated more than 20 dB below the permissible value are not reported.
The spectral diagrams are attached as below.

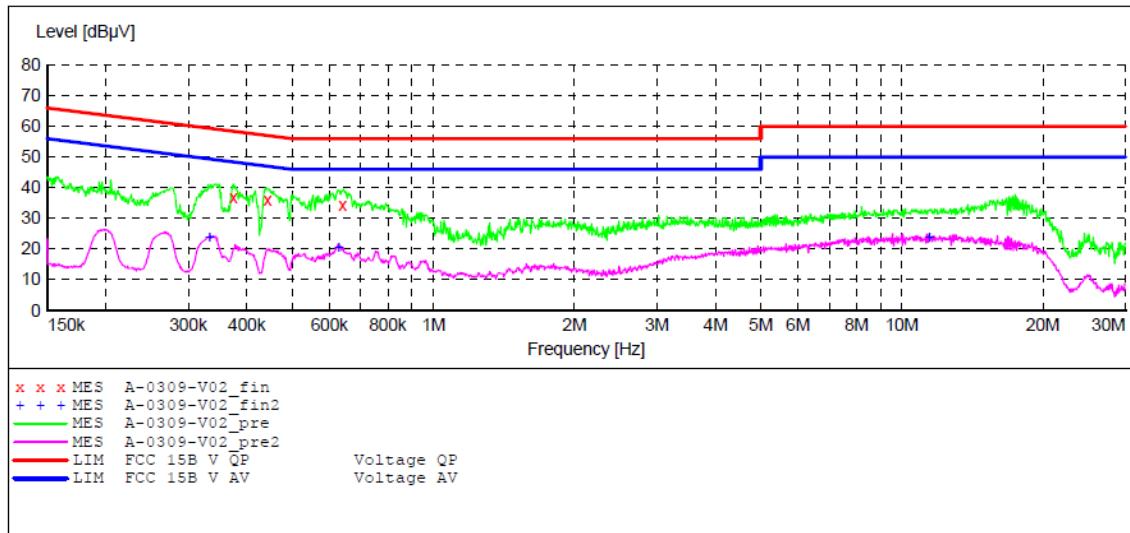
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART15B

EUT: BRACELET M/N:CRG-000-02
 Manufacturer: Exploit
 Operating Condition: Operation
 Test Site: 1#Shielding Room
 Operator: ALEN
 Test Specification: N 120V/60Hz
 Comment: Mains Port
 Start of Test: 2013-3-9 / 9:36:45

SCAN TABLE: "V 150K-30MHz fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
150.0 kHz	30.0 MHz	0.4 %	QuasiPeak	1.0 s	9 kHz	LISN(ESH3-Z5)
						Average



MEASUREMENT RESULT: "A-0309-V02_fin"

2013-3-9 9:38

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.374004	36.80	11.5	58	21.6	QP	N	GND
0.442311	36.10	11.8	57	20.9	QP	N	GND
0.639356	34.50	11.9	56	21.5	QP	N	GND

MEASUREMENT RESULT: "A-0309-V02_fin2"

2013-3-9 9:38

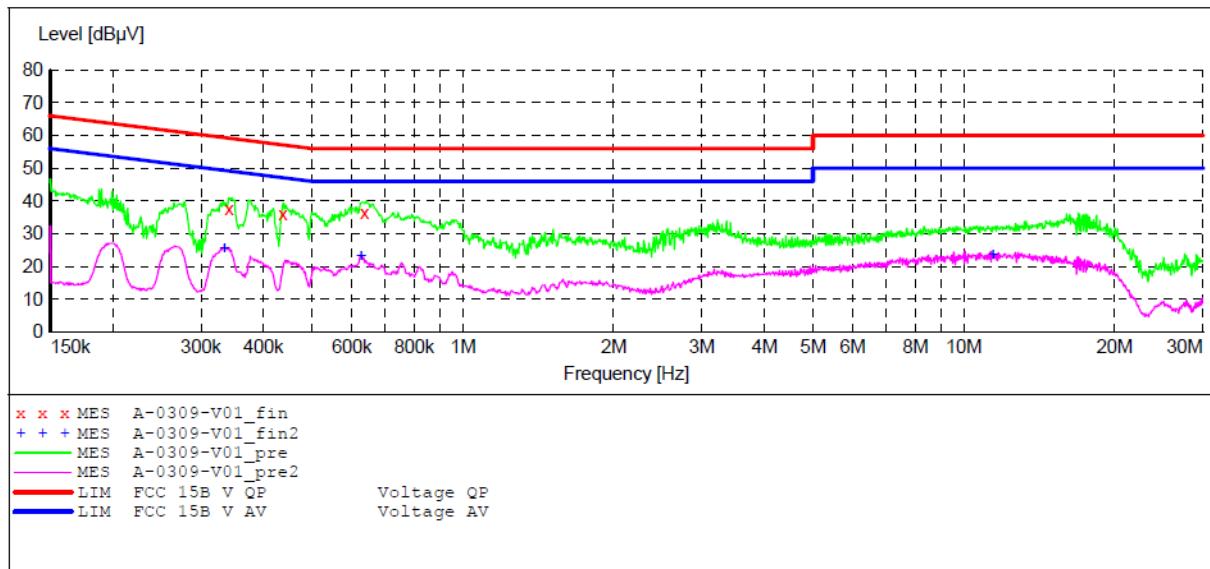
Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.332766	23.90	11.3	49	25.5	AV	N	GND
0.627968	20.60	11.9	46	25.4	AV	N	GND
11.443038	24.10	11.2	50	25.9	AV	N	GND

ACCURATE TECHNOLOGY CO., LTD**CONDUCTED EMISSION STANDARD FCC PART15B**

EUT: BRACELET M/N:CRG-000-02
 Manufacturer: Exploit
 Operating Condition: Operation
 Test Site: 1#Shielding Room
 Operator: ALEN
 Test Specification: L 120V/60Hz
 Comment: Mains Port
 Start of Test: 2013-3-9 / 9:33:47

SCAN TABLE: "V 150K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
 Start Stop Step Detector Meas. IF Transducer
 Frequency Frequency Width Time Bandw.
 150.0 kHz 30.0 MHz 0.4 % QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)
 Average

**MEASUREMENT RESULT: "A-0309-V01_fin"**

2013-3-9 9:35

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.340837	37.50	11.4	59	21.7	QP	L1	GND
0.437043	36.00	11.8	57	21.1	QP	L1	GND
0.635537	36.20	11.9	56	19.8	QP	L1	GND

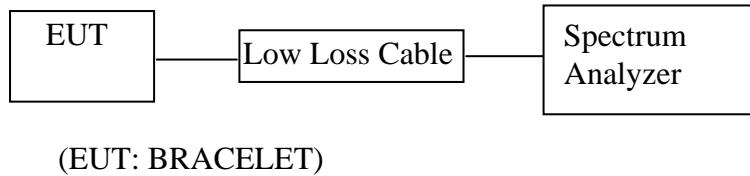
MEASUREMENT RESULT: "A-0309-V01_fin2"

2013-3-9 9:35

Frequency MHz	Level dB μ V	Transd dB	Limit dB μ V	Margin dB	Detector	Line	PE
0.333765	25.60	11.3	49	23.8	AV	L1	GND
0.626089	23.00	11.9	46	23.0	AV	L1	GND
11.443038	23.50	11.2	50	26.5	AV	L1	GND

8. 20DB BANDWIDTH

8.1. Block Diagram of Test Setup



8.2. 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.

8.2.1. BRACELET (EUT)

Model Number : BRC-000-02
 Serial Number : N/A
 Manufacturer : Exploit Innovation Limited

8.3. Operating Condition of EUT

8.3.1. Setup the EUT and simulator as shown as Section 5.1.

8.3.2. Turn on the power of all equipment.

8.3.3. Let the EUT work in TX (Hopping off) modes measure it. The transmit frequency are 2412-2480MHz. We select 2412MHz, 2446MHz, and 2480MHz TX frequency to transmit.

8.4. Test Procedure

- 8.4.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.
- 8.4.2. Set RBW of spectrum analyzer to 30 kHz and VBW to 100 kHz.
- 8.4.3. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

8.5. Test Result

PASS.

Date of Test:	<u>April 17, 2013</u>	Temperature:	<u>25°C</u>
EUT:	<u>BRACELET</u>	Humidity:	<u>50%</u>
Model No.:	<u>BRC-000-02</u>	Power Supply:	<u>DC 4.5V</u>
Test Mode:	<u>TX</u>	Test Engineer:	<u>Alen</u>

Channel	Frequency (MHz)	20dB Bandwidth (MHz)	Limit (MHz)
Low	2412	1.176	---
Middle	2446	1.164	---
High	2480	1.176	---

The spectrum analyzer plots are attached as below.

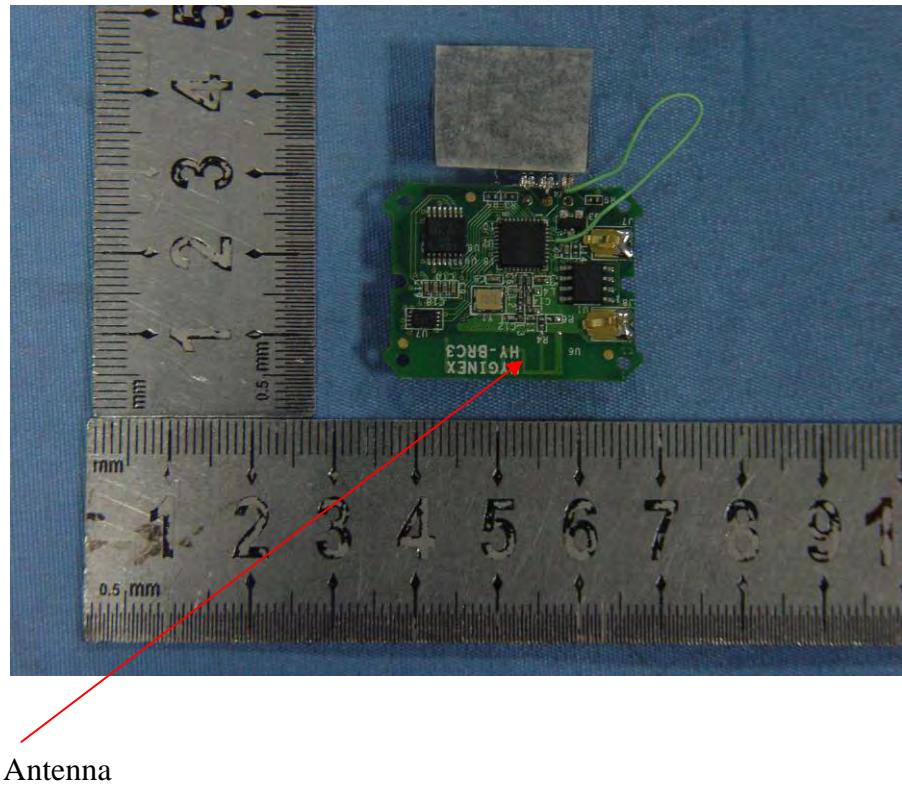
9. ANTENNA REQUIREMENT

9.1. The Requirement

9.1.1. 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.

9.2. Antenna Construction

The antenna is PCB Layout antenna, no consideration of replacement.



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: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #878

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test item: Radiation Test

Date: 13/02/16/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 10/55/52

EUT: BRACELET

Engineer Signature:

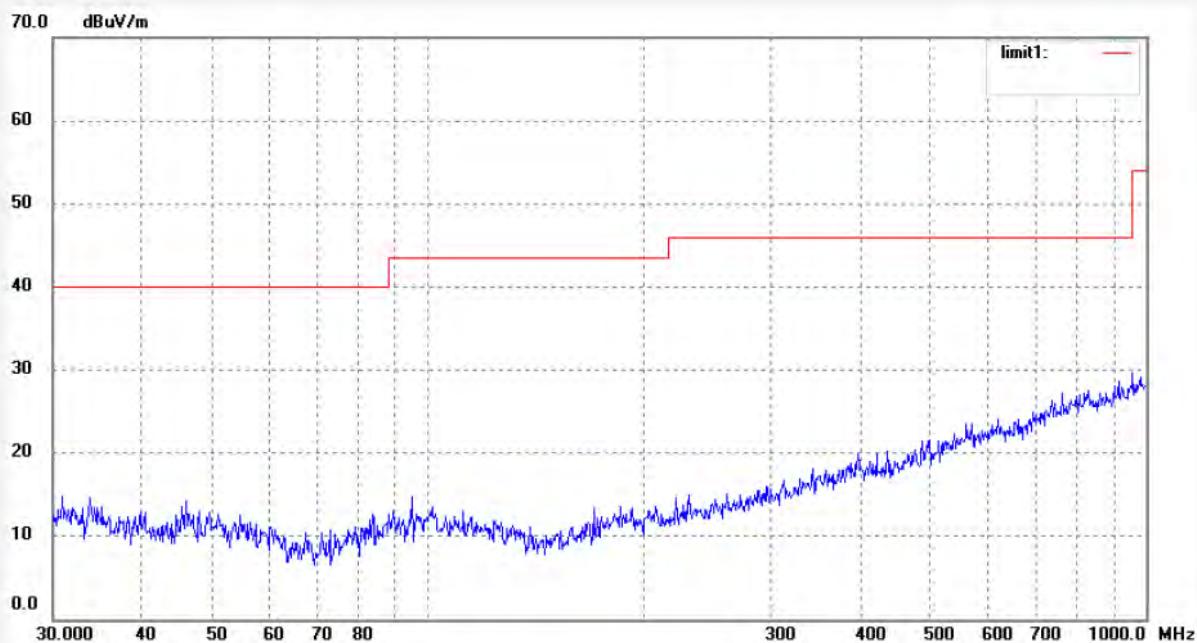
Mode: TX 2412MHz

Distance: 3m

Model: BRC-000-02

Manufacturer: Exploit

Note: Report No:ATE20122106



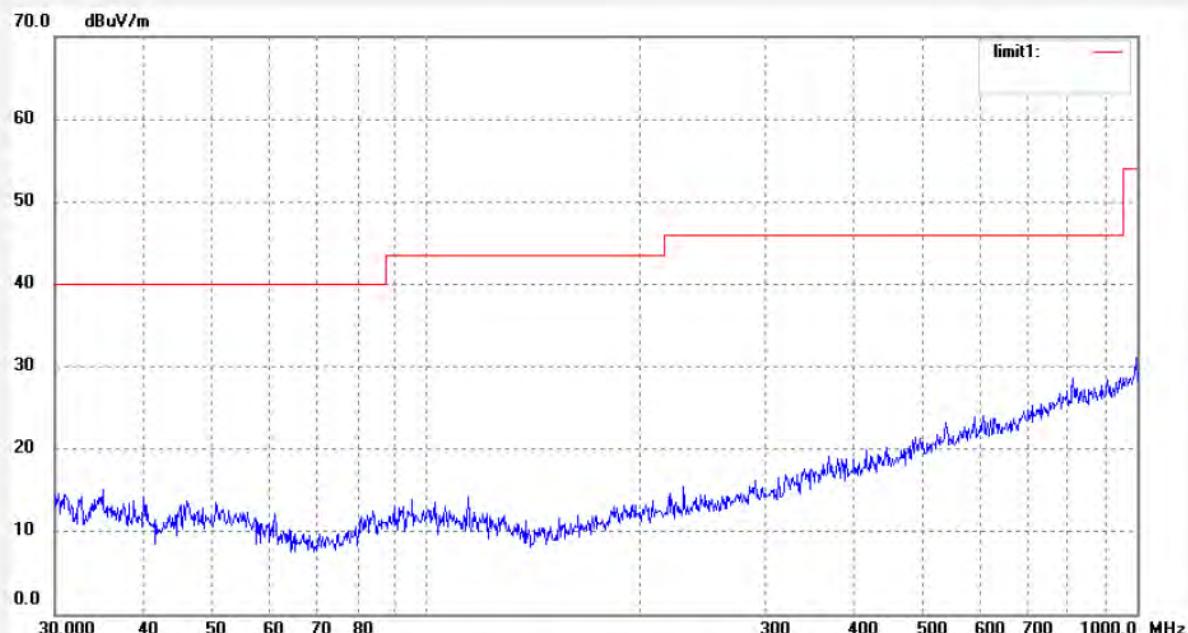
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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

 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	ALEN #879	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	13/02/16/
Temp.(C)/Hum.(%)	26 C / 55 %	Time:	10:56:35
EUT:	BRACELET	Engineer Signature:	
Mode:	TX 2412MHz	Distance:	3m
Model:	BRC-000-02		
Manufacturer:	Exploit		
Note:	Report No:ATE20122106		



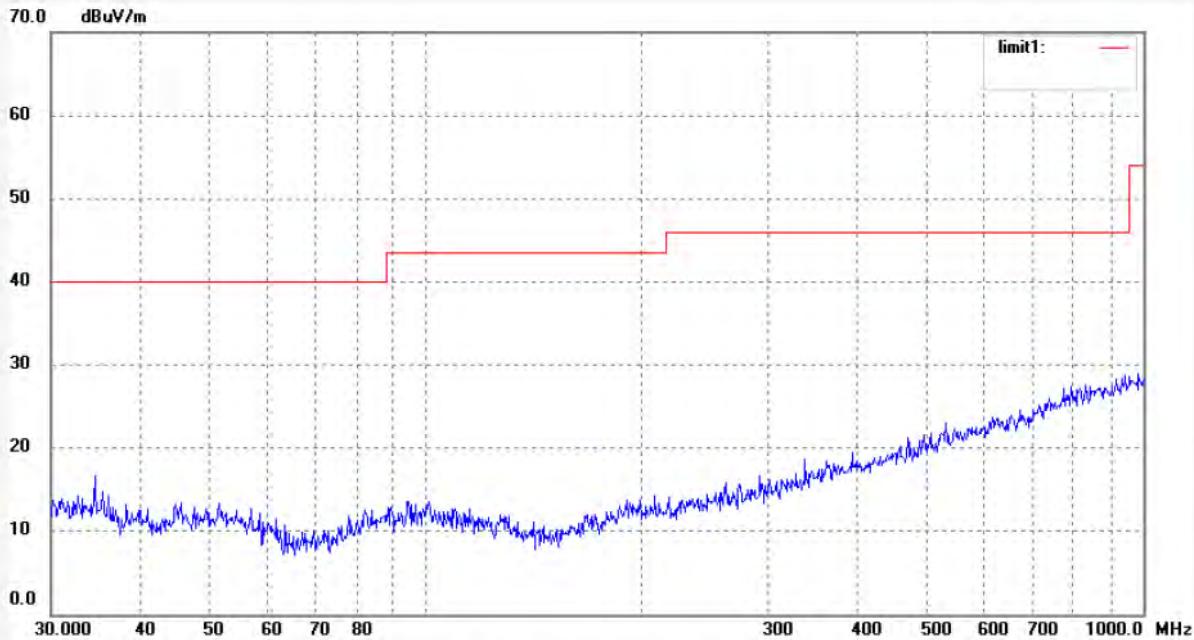
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	ALEN #880	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	13/02/16/
Temp. (C)/Hum.(%)	26 C / 55 %	Time:	10/57/01
EUT:	BRACELET	Engineer Signature:	
Mode:	TX 2446MHz	Distance:	3m
Model:	BRC-000-02		
Manufacturer:	Exploit		
Note:	Report No:ATE20122106		



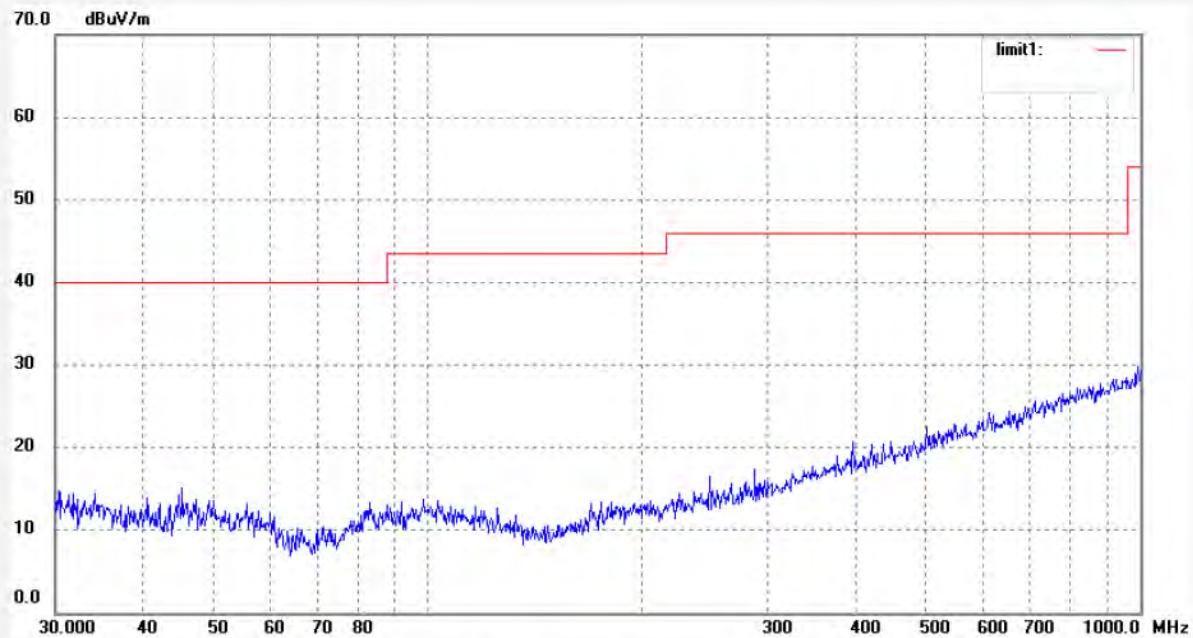
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	ALEN #881	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	13/02/16/
Temp.(C)/Hum.(%)	26 C / 55 %	Time:	10:57:58
EUT:	BRACELET	Engineer Signature:	
Mode:	TX 2446MHz	Distance:	3m
Model:	BRC-000-02		
Manufacturer:	Exploit		
Note:	Report No:ATE20122106		



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



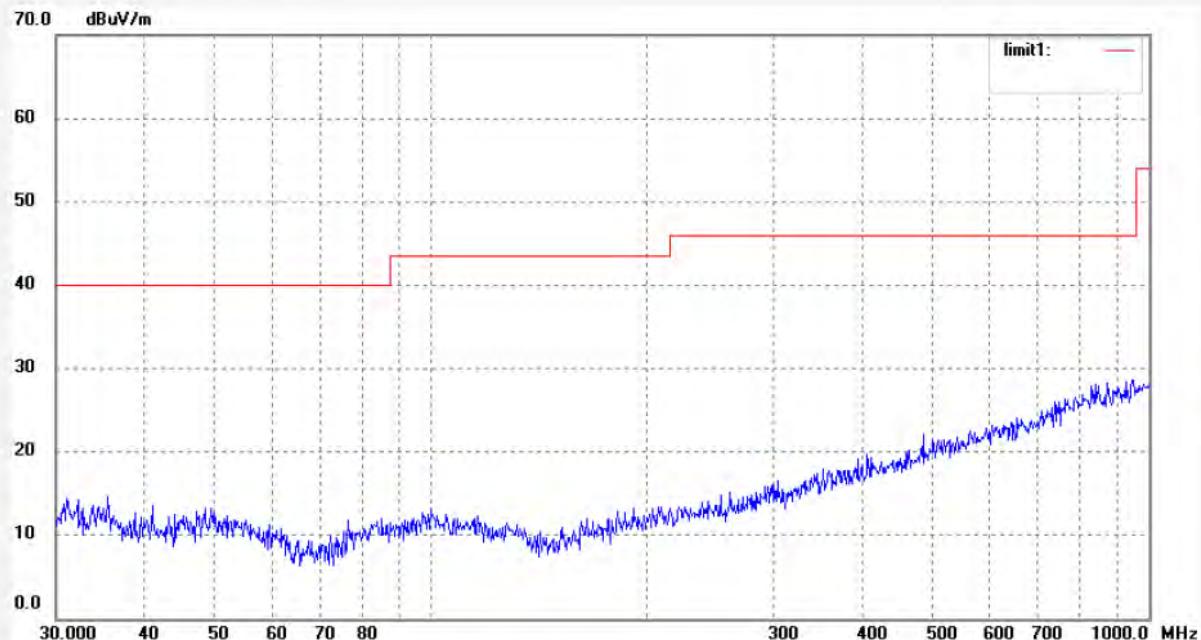
ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #882	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/02/16/
Temp. (C)/Hum.(%) 26 C / 55 %	Time: 10/58/18
EUT: BRACELET	Engineer Signature:
Mode: TX 2480MHz	Distance: 3m
Model: BRC-000-02	
Manufacturer: Exploit	

Note: Report No:ATE20122106



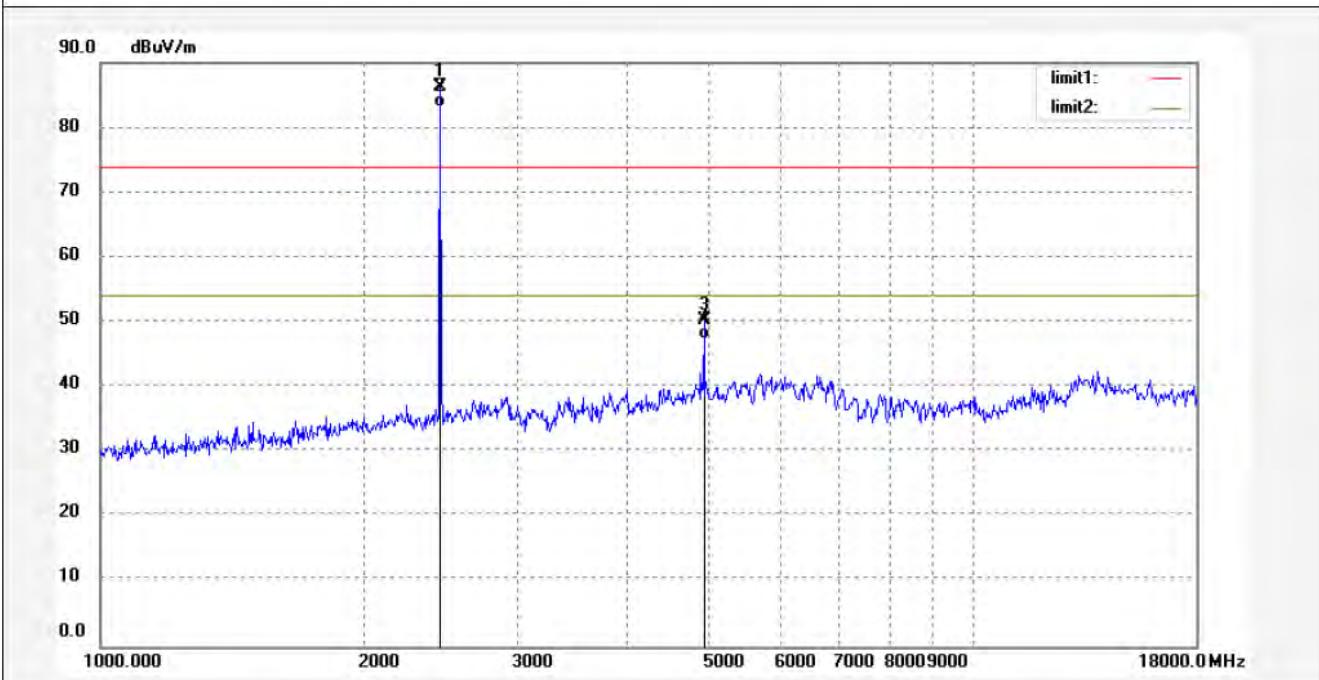
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark


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

 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	ALEN #856	Polarization:	Vertical
Standard:	FCC PK	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	13/02/16/
Temp. (C)/Hum.(%)	26 C / 55 %	Time:	10/25/02
EUT:	BRACELET	Engineer Signature:	
Mode:	TX 2480MHz	Distance:	3m
Model:	BRC-000-02		
Manufacturer:	Exploit		
Note:	Report No:ATE20122106		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	93.61	-7.33	86.28	114.00	-27.72	peak			
2	2480.000	90.54	-7.33	83.21	94.00	-10.79	AVG			
3	4914.444	50.09	0.30	50.39	74.00	-23.61	peak			
4	4914.444	46.98	0.30	47.28	54.00	-6.72	AVG			

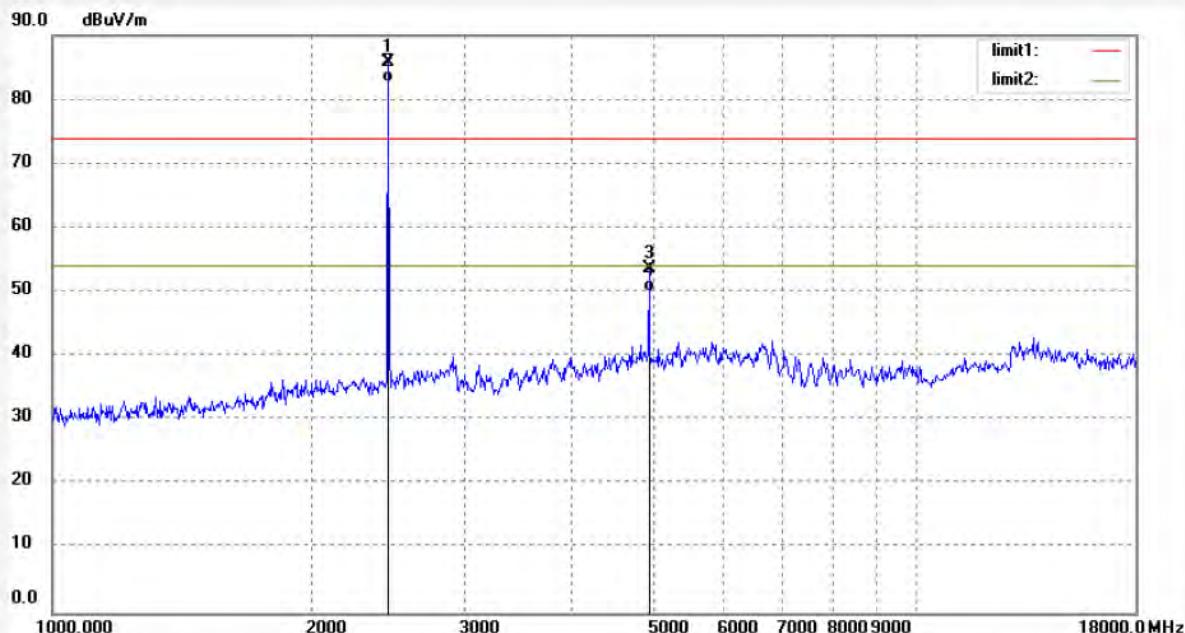


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	ALEN #857	Polarization:	Horizontal
Standard:	FCC PK	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	13/02/16/
Temp.(C)/Hum.(%)	26 C / 55 %	Time:	10/25/38
EUT:	BRACELET	Engineer Signature:	
Mode:	TX 2480MHz	Distance:	3m
Model:	BRC-000-02		
Manufacturer:	Exploit		
Note:	Report No:ATE20122106		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	93.16	-7.33	85.83	114.00	-28.17	peak			
2	2480.000	90.12	-7.33	82.79	94.00	-11.21	AVG			
3	4960.000	53.44	0.30	53.74	74.00	-20.26	peak			
4	4960.000	49.69	0.30	49.99	54.00	-4.01	AVG			


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

 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.: ALEN #858

Polarization: Horizontal

Standard: FCC PK

Power Source: DC 3.7V

Test item: Radiation Test

Date: 13/02/16/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 10/27/03

EUT: BRACELET

Engineer Signature:

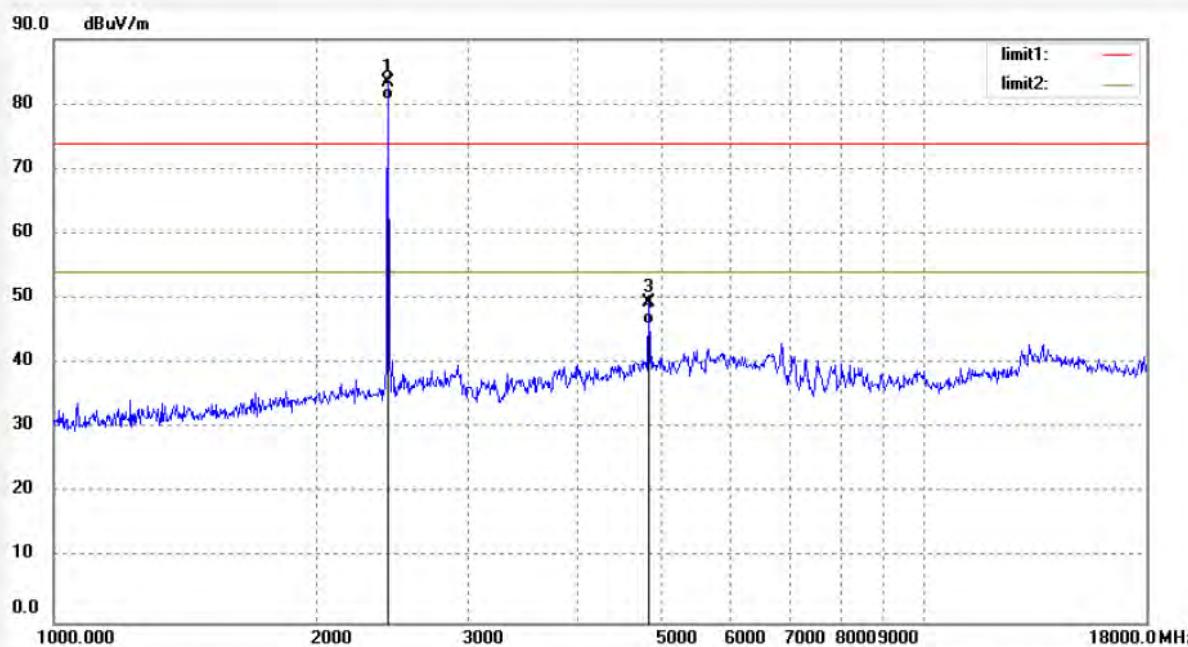
Mode: TX 2446MHz

Distance: 3m

Model: BRC-000-02

Manufacturer: Exploit

Note: Report No:ATE20122106



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2446.000	90.87	-7.40	83.47	114.00	-30.53	peak			
2	2446.000	88.01	-7.40	80.61	94.00	-13.39	AVG			
3	4892.000	49.49	-0.15	49.34	74.00	-24.66	peak			
4	4892.000	46.23	-0.15	46.08	54.00	-7.92	AVG			



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

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #859

Polarization: Vertical

Standard: FCC PK

Power Source: DC 3.7V

Test item: Radiation Test

Date: 13/02/16/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 10/27/48

EUT: BRACELET

Engineer Signature:

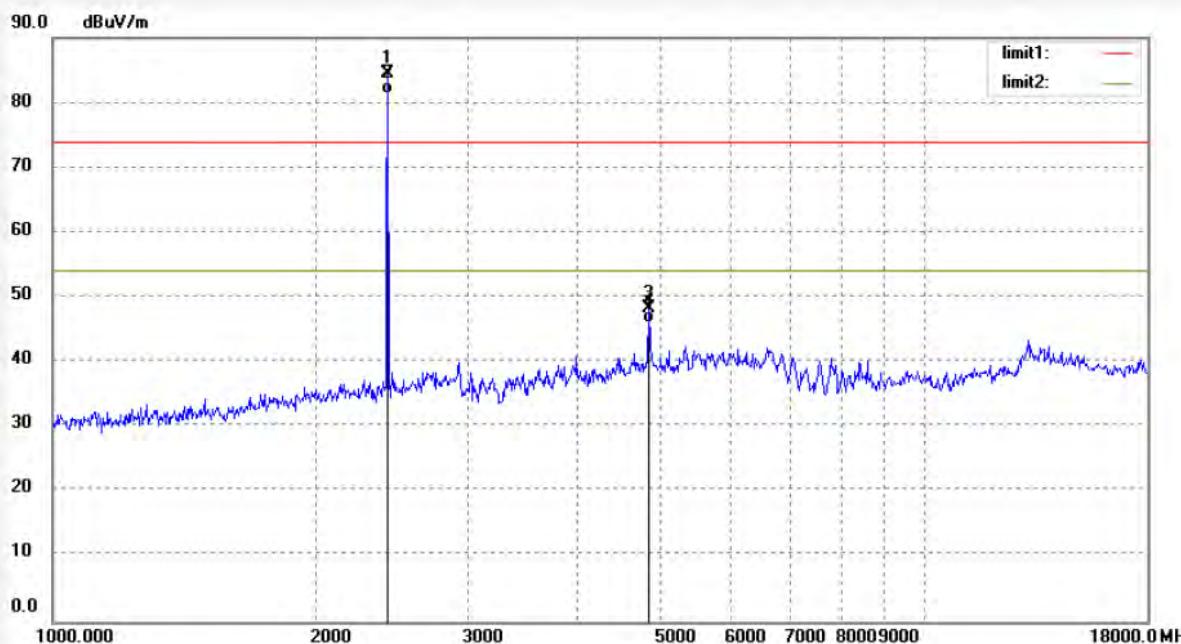
Mode: TX 2446MHz

Distance: 3m

Model: BRC-000-02

Manufacturer: Exploit

Note: Report No:ATE20122106



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2446.000	91.81	-7.40	84.41	114.00	-29.59	peak			
2	2446.000	88.68	-7.40	81.28	94.00	-12.72	AVG			
3	4892.000	48.38	-0.15	48.23	74.00	-25.77	peak			
4	4892.000	46.12	-0.15	45.97	54.00	-8.03	AVG			


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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #860

Polarization: Vertical

Standard: FCC PK

Power Source: DC 3.7V

Test item: Radiation Test

Date: 13/02/16/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 10/28/53

EUT: BRACELET

Engineer Signature:

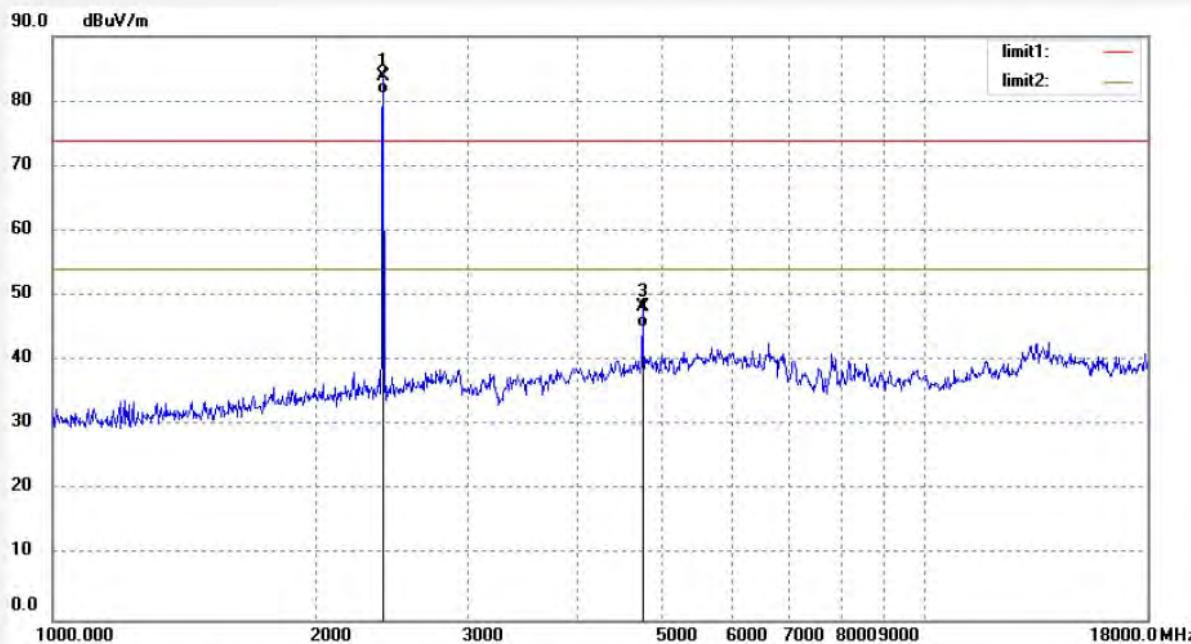
Mode: TX 2412MHz

Distance: 3m

Model: BRC-000-02

Manufacturer: Exploit

Note: Report No:ATE20122106



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	91.29	-7.49	83.80	114.00	-30.20	peak			
2	2412.000	88.63	-7.49	81.14	94.00	-12.86	AVG			
3	4824.000	48.82	-0.62	48.20	74.00	-25.80	peak			
4	4824.000	45.63	-0.62	45.01	54.00	-8.99	AVG			

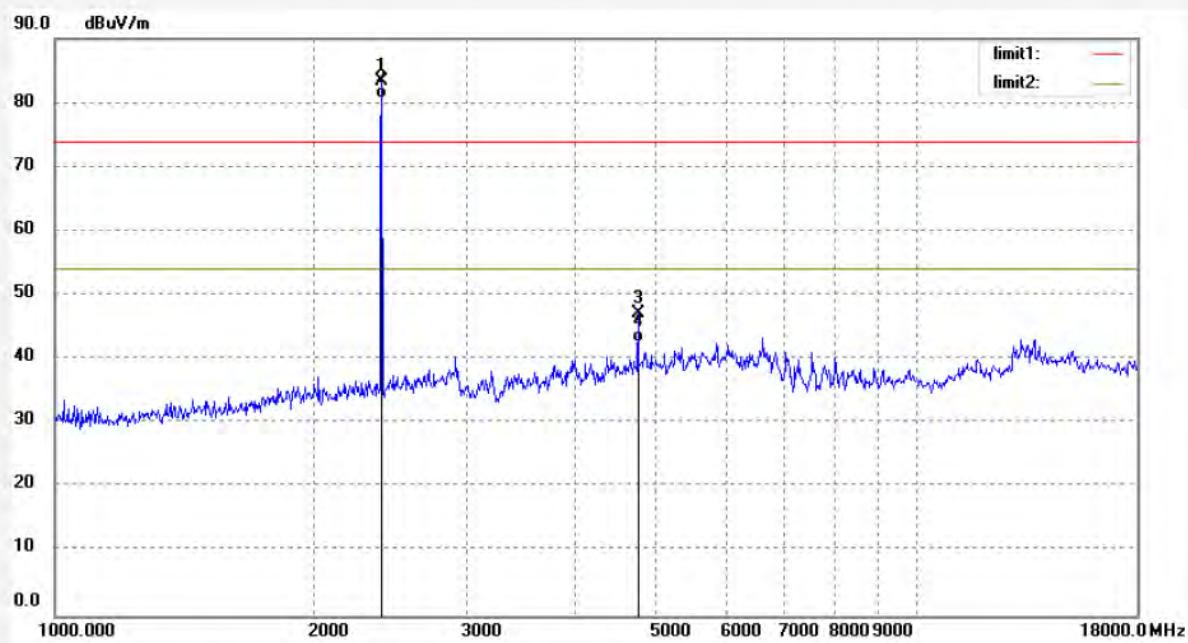


ACCURATE TECHNOLOGY CO., LTD.

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

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #861	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 3.7V
Test item: Radiation Test	Date: 13/02/16/
Temp.(C)/Hum.(%) 26 C / 55 %	Time: 10/29/22
EUT: BRACELET	Engineer Signature:
Mode: TX 2412MHz	Distance: 3m
Model: BRC-000-02	
Manufacturer: Exploit	
Note: Report No:ATE20122106	



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2412.000	90.88	-7.49	83.39	114.00	-30.61	peak			
2	2412.000	88.12	-7.49	80.63	94.00	-13.37	AVG			
3	4824.000	47.75	-0.62	47.13	74.00	-26.87	peak			
4	4824.000	43.21	-0.62	42.59	54.00	-11.41	AVG			


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.: ALEN #790

Polarization: Horizontal

Standard: FCC 15C

Power Source: DC 3.6V

Test item: Radiation Test

Date: 13/02/16/

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

Time: 15:17:15

EUT: BRACELET

Engineer Signature:

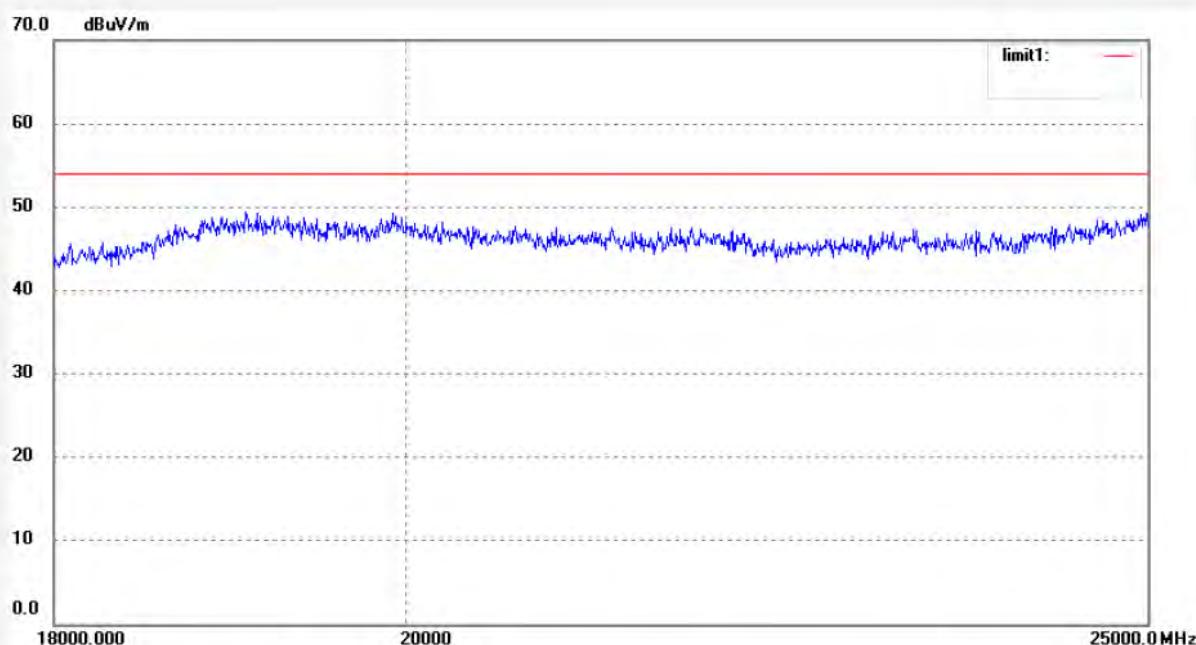
Mode: TX 2412MHz

Distance: 3m

Model: BRC-000-02

Manufacturer: Exploit

Note:



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.:	ALEN #791	Polarization:	Vertical							
Standard:	FCC 15C	Power Source:	DC 3.6V							
Test item:	Radiation Test	Date:	13/02/16/							
Temp.(C)/Hum.(%)	25 C / 50 %	Time:	15:19:22							
EUT:	BRACELET	Engineer Signature:								
Mode:	TX 2412MHz	Distance:	3m							
Model:	BRC-000-02									
Manufacturer:	Exploit									
Note:										
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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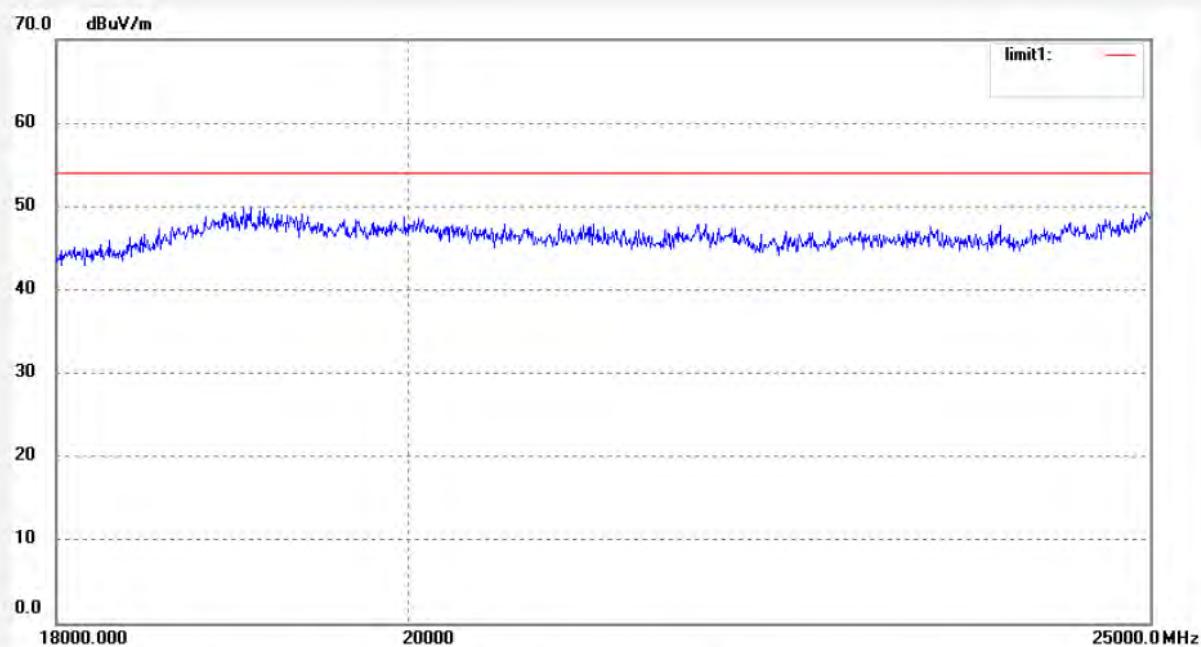
 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

 Job No.: ALEN #792
 Standard: FCC 15C
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: BRACELET
 Mode: TX 2446MHz
 Model: BRC-000-02
 Manufacturer: Exploit

 Polarization: Vertical
 Power Source: DC 3.6V
 Date: 13/02/16/
 Time: 15:24:45
 Engineer Signature:
 Distance: 3m

Note:



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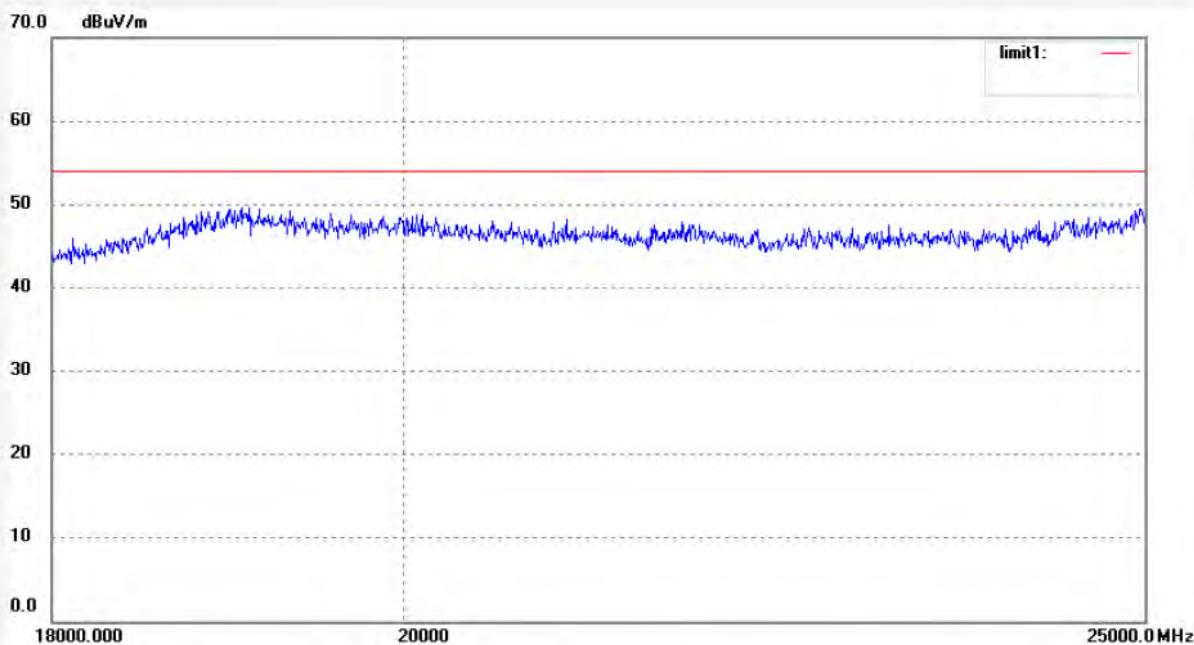
 F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

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

Job No.: ALEN #793
 Standard: FCC 15C
 Test item: Radiation Test
 Temp.(C)/Hum.(%) 25 C / 50 %
 EUT: BRACELET
 Mode: TX 2446MHz
 Model: BRC-000-02
 Manufacturer: Exploit

Polarization: Horizontal
 Power Source: DC 3.6V
 Date: 13/02/16/
 Time: 15:28:36
 Engineer Signature:
 Distance: 3m

Note:



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.: ALEN #794

Polarization: Horizontal

Standard: FCC 15C

Power Source: DC 3.6V

Test item: Radiation Test

Date: 13/02/16/

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

Time: 15:30:55

EUT: BRACELET

Engineer Signature:

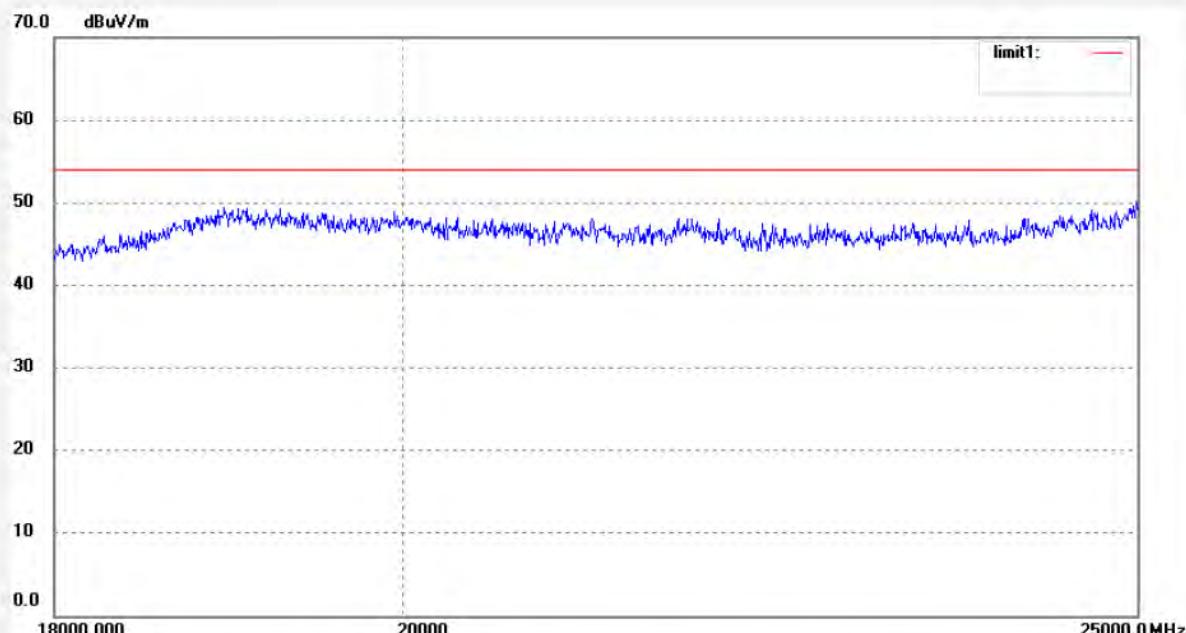
Mode: TX 2480MHz

Distance: 3m

Model: BRC-000-02

Manufacturer: Exploit

Note:



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.: ALEN#795

Polarization: Vertical

Standard: FCC 15C

Power Source: DC 3.6V

Test item: Radiation Test

Date: 13/02/16/

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

Time: 15:33:11

EUT: BRACELET

Engineer Signature:

Mode: TX 2480MHz

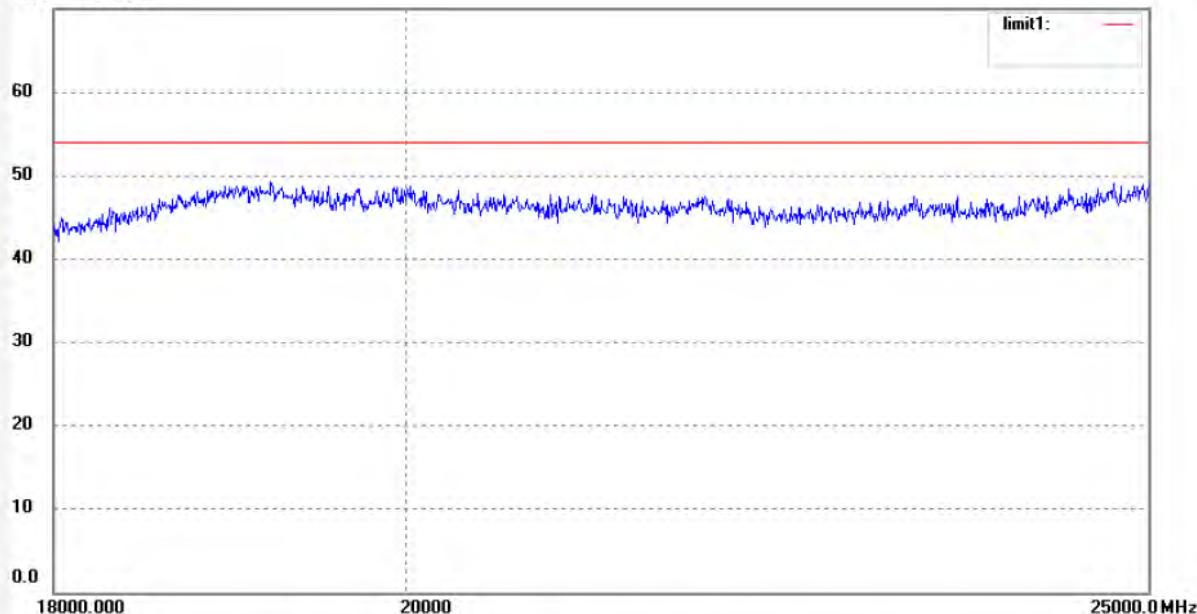
Distance: 3m

Model: BRC-000-02

Manufacturer: Exploit

Note:

70.0 dBuV/m



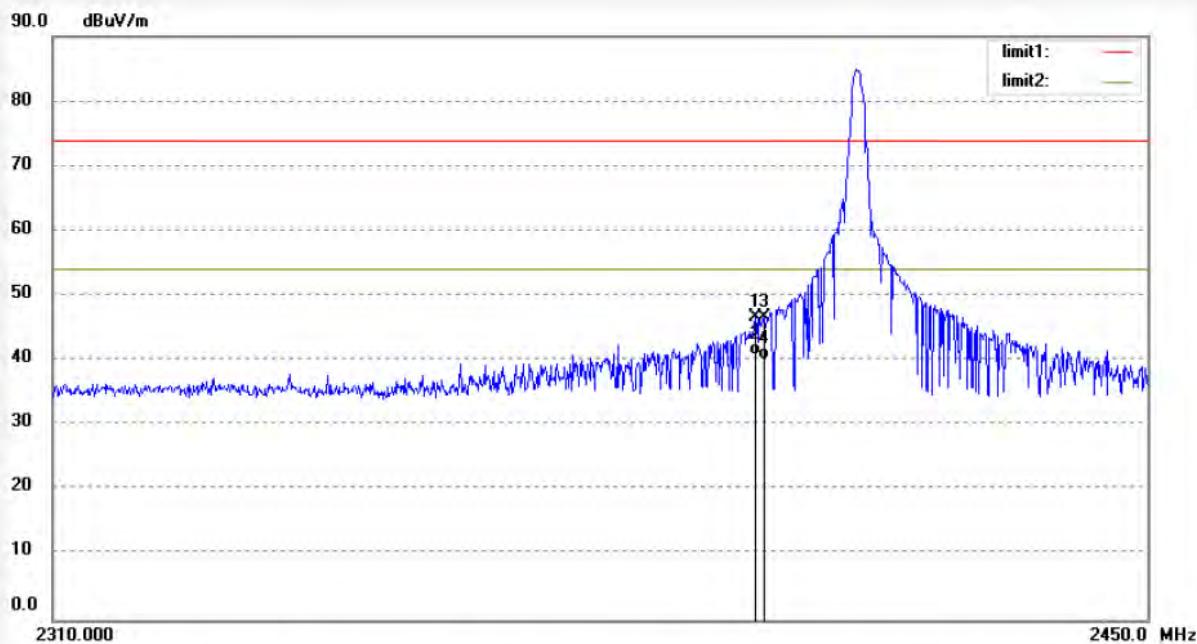
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

Job No.:	ALEN #852	Polarization:	Vertical
Standard:	FCC PK	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	13/02/16/
Temp.(C)/Hum.(%)	26 C / 55 %	Time:	10/20/05
EUT:	BRACELET	Engineer Signature:	
Mode:	TX 2412MHz	Distance:	3m
Model:	BRC-000-02		
Manufacturer:	Exploit		
Note:	Report No:ATE20122106		



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2398.971	54.18	-7.46	46.72	74.00	-27.28	peak			
2	2398.971	48.21	-7.46	40.75	54.00	-13.25	AVG			
3	2400.000	54.13	-7.46	46.67	74.00	-27.33	peak			
4	2400.000	47.69	-7.46	40.23	54.00	-13.77	AVG			


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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #853

Polarization: Horizontal

Standard: FCC PK

Power Source: DC 3.7V

Test item: Radiation Test

Date: 13/02/16/

Temp. (C)/Hum.(%) 26 C / 55 %

Time: 10/21/08

EUT: BRACELET

Engineer Signature:

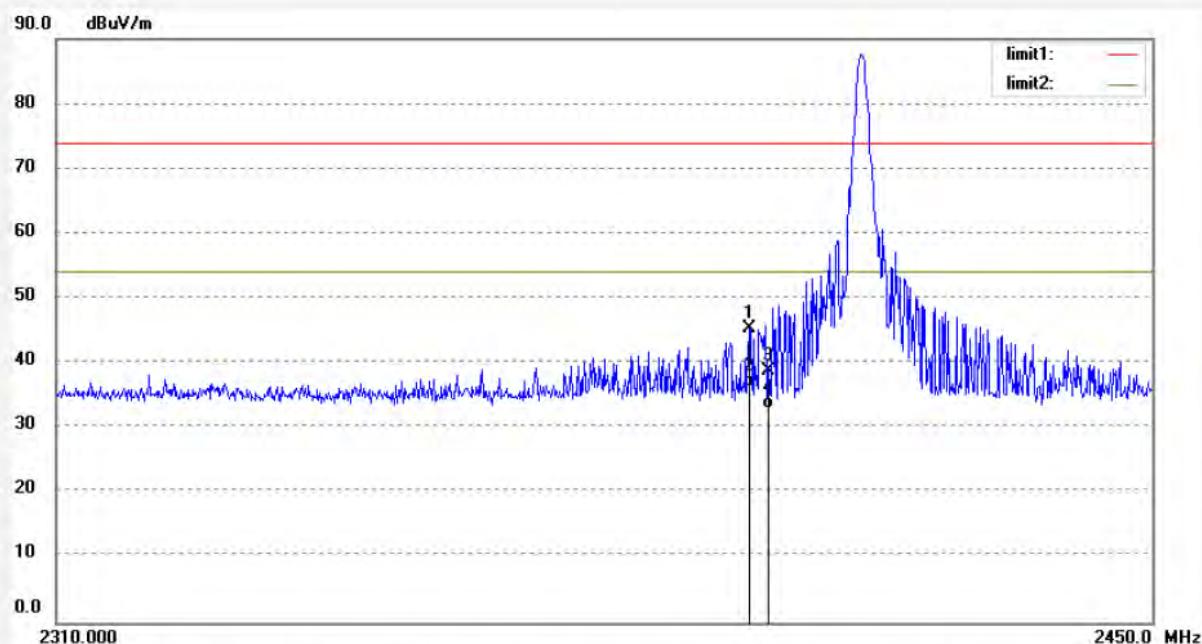
Mode: TX 2412MHz

Distance: 3m

Model: BRC-000-02

Manufacturer: Exploit

Note: Report No:ATE20122106



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2397.698	52.91	-7.48	45.43	74.00	-28.57	peak			
2	2397.698	43.85	-7.48	36.37	54.00	-17.63	AVG			
3	2400.000	46.18	-7.46	38.72	74.00	-35.28	peak			
4	2400.000	40.32	-7.46	32.86	54.00	-21.14	AVG			


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

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: ALEN #854

Polarization: Horizontal

Standard: FCC PK

Power Source: DC 3.7V

Test item: Radiation Test

Date: 13/02/16/

Temp.(C)/Hum.(%) 26 C / 55 %

Time: 10/23/43

EUT: BRACELET

Engineer Signature:

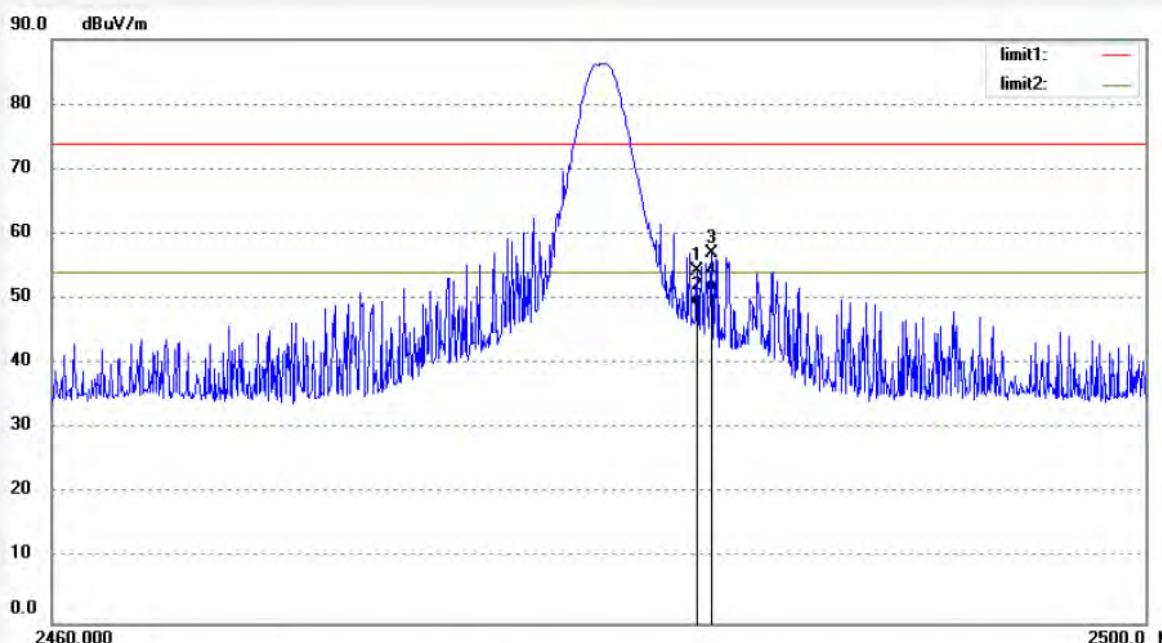
Mode: TX 2480MHz

Distance: 3m

Model: BRC-000-02

Manufacturer: Exploit

Note: Report No:ATE20122106



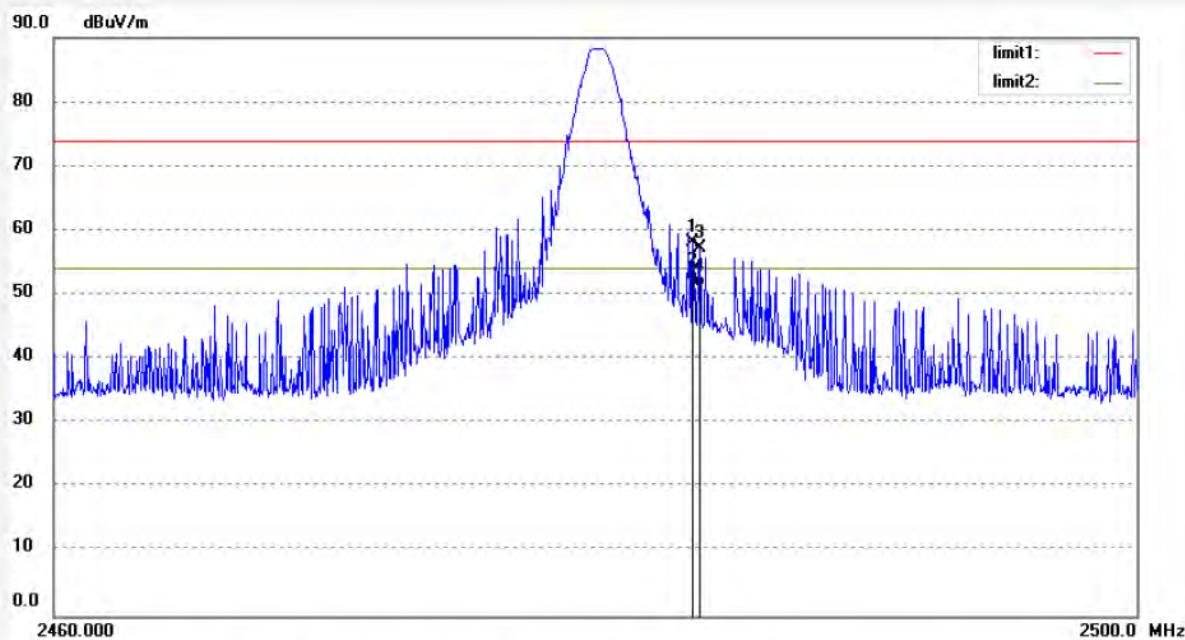
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	61.80	-7.37	54.43	74.00	-19.57	peak			
2	2483.500	56.32	-7.37	48.95	54.00	-5.05	AVG			
3	2484.051	64.44	-7.38	57.06	74.00	-16.94	peak			
4	2484.051	58.63	-7.38	51.25	54.00	-2.75	AVG			


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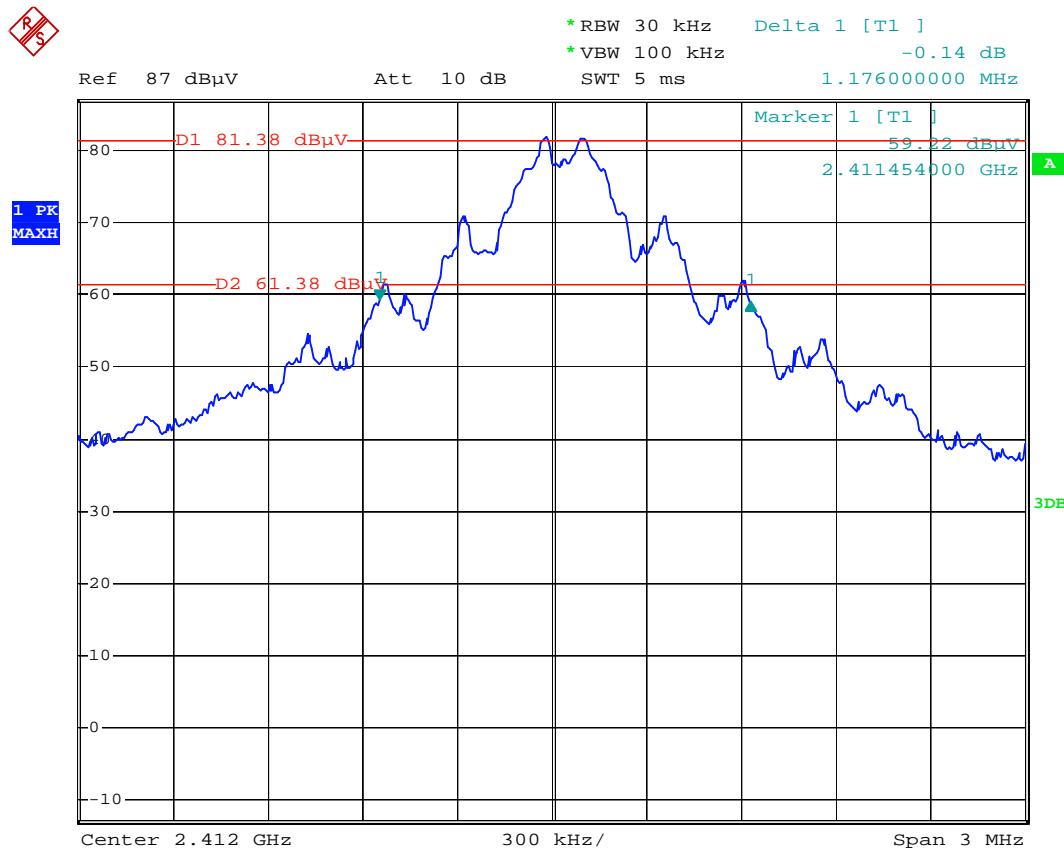
 F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
 Science & Industry Park,Nanshan Shenzhen,P.R.China

 Site: 2# Chamber
 Tel:+86-0755-26503290
 Fax:+86-0755-26503396

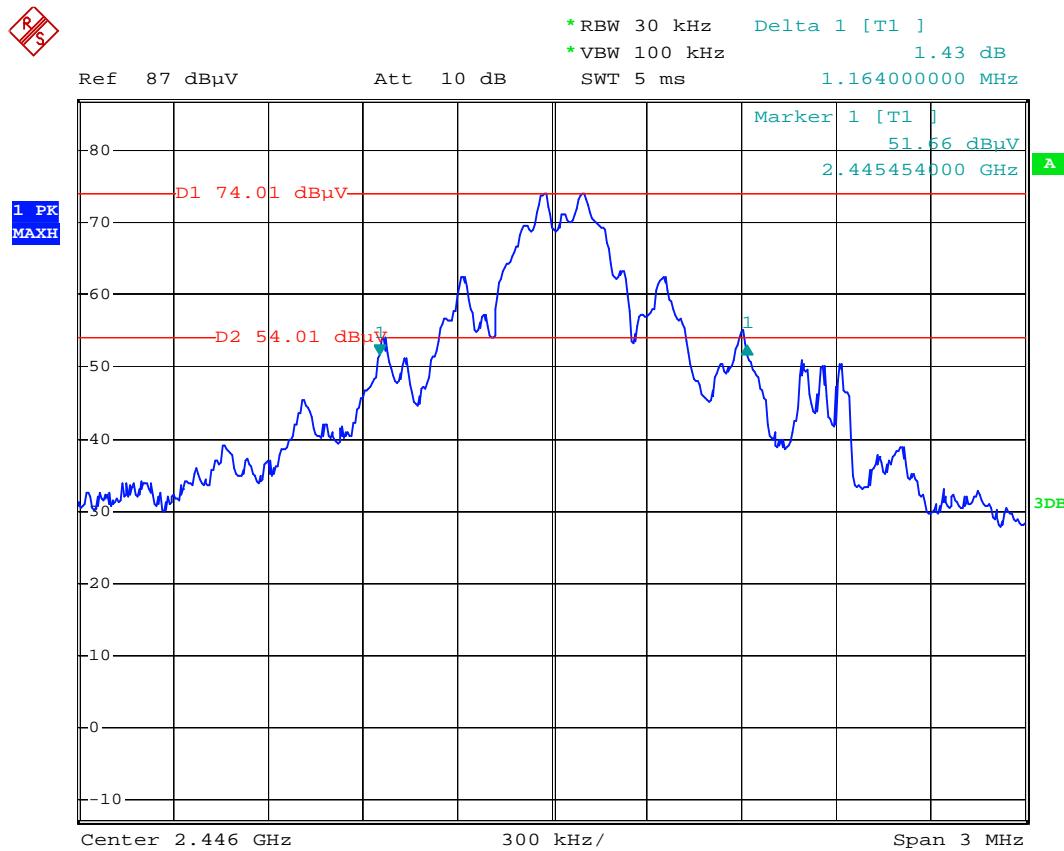
Job No.:	ALEN #855	Polarization:	Vertical
Standard:	FCC PK	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	13/02/16/
Temp. (C)	Hum. (%)	26	C / 55 %
EUT:	BRACELET	Time:	10/24/18
Mode:	TX 2480MHz	Engineer Signature:	
Model:	BRC-000-02	Distance:	3m
Manufacturer:	Exploit		
Note: Report No:ATE20122106			



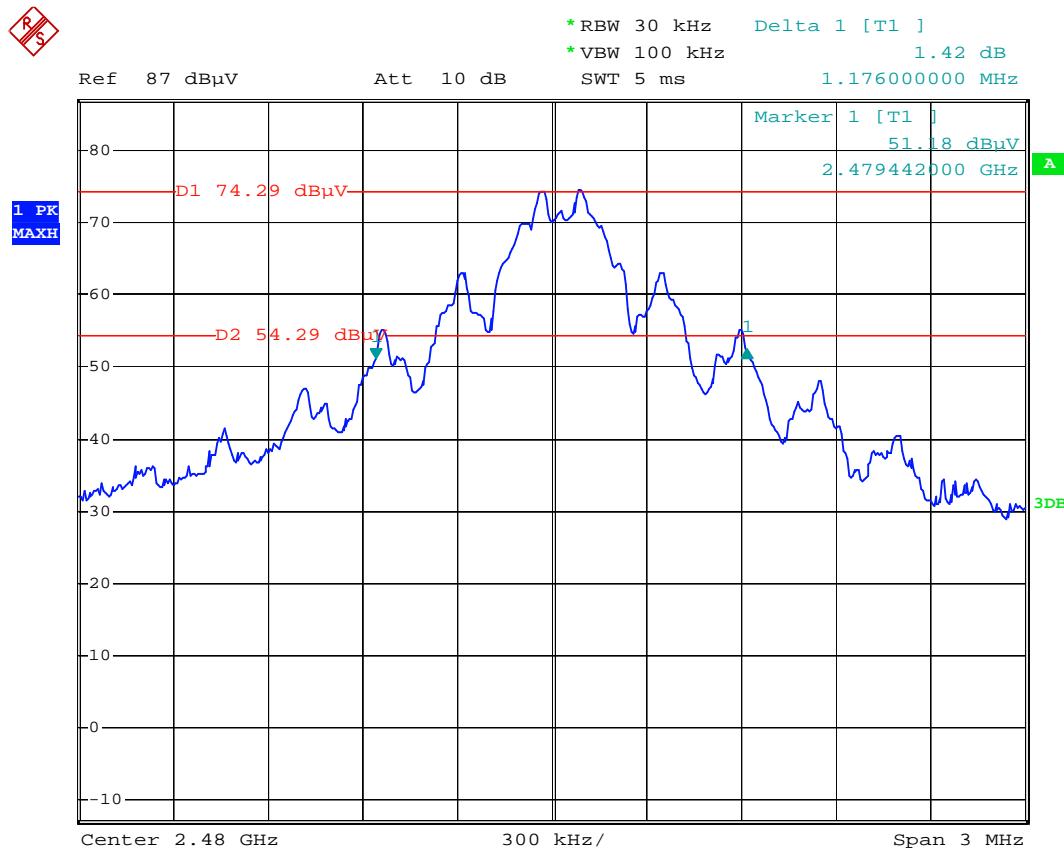
No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.500	65.46	-7.37	58.09	74.00	-15.91	peak			
2	2483.500	59.36	-7.37	51.99	54.00	-2.01	AVG			
3	2483.810	64.65	-7.38	57.27	74.00	-16.73	peak			
4	2483.810	58.64	-7.38	51.26	54.00	-2.74	AVG			



Date: 17.APR.2013 11:29:33



Date: 17.APR.2013 11:32:31



Date: 17.APR.2013 11:35:59