

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057

 Telephone:
 +86 (0) 755 2601 2053

 Fax:
 +86 (0) 755 2671 0594

 Email:
 ee.shenzhen@sgs.com

Report No.: HKES160900181103 Page: 1 of 17

## **FCC REPORT**

Application No:	HKES1609001811IT
Applicant:	Pismo Labs Technology Limited
Product Name:	Peplink / Pepwave / Pismo Labs wireless product
Model No.(EUT):	MAX Hotspot
FCC ID:	U8G-P1AC1DUO
Standards:	47 CFR Part 15, Subpart E (2015)
Date of Receipt:	2016-09-07
Date of Test:	2016-09-22 to 2016-09-26
Date of Issue:	2016-10-10
Test Result:	PASS *

.\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Jack Zhang EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.





Report No.: HKES160900181103 Page: 2 of 17

## 2 Version

Revision Record					
Version	Chapter	Date	Modifier	Remark	
00		2016-10-10		Original	

Authorized for issue by:		
	flank yan.	2016-09-26
Tested By	(Hank Yan) /Project Engineer	Date
	Eric Fu	2016-10-10
Checked By	(Eric Fu) /Reviewer	Date



Report No.: HKES160900181103 Page: 3 of 17

## 3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15 Section 15.203	ANSI C63.10: 2013	PASS
AC Power Line Conducted Emission	47 CFR Part 15 Section 15.407(b)	ANSI C63.10: 2013	PASS
Conducted Output Power	47 CFR Part 15 Section 15.407(a)	ANSI C63.10: 2013	PASS
6dB Occupied Bandwidth	47 CFR Part 15 Section 15.407(e)	ANSI C63.10: 2013	PASS
26 dB Emission Bandwidth & 99% Occupied Bandwidth	47 CFR Part 15 Section 15.407(a)	ANSI C63.10: 2013	PASS
Power Spectral Density	47 CFR Part 15 Section 15.407(a)	ANSI C63.10: 2013	PASS
Radiated Spurious Emissions	47 CFR Part 15 Section 15.407(b)	ANSI C63.10: 2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15 Section 15.407(b)	ANSI C63.10: 2013	PASS
Frequency Stability	47 CFR Part 15 Section 15.407(g)	ANSI C63.10: 2013	PASS
Automatically Discontinue Transmission Requirement	47 CFR Part 15 Section 15.407 (c)	ANSI C63.10: 2013	PASS

Remark:

This report is based on a granted product (FCC ID:U8G-P1AC1DUO, Date of Grant: 05/27/2016). Relative to the original product, the new one adds a granted LTE module, which is inserted to the mini PCI-E socket. The electrical circuit design, layout, components used and internal wiring are exactly same to the original one. In this case, only the Radiated spurious emissions of were retested.



Report No.: HKES160900181103 Page: 4 of 17

## 4 Contents

1	COV	ER PAGE	1
2	VER	SION	2
3	TES	T SUMMARY	3
4	CON	ITENTS	4
5	GEN	ERAL INFORMATION	5
	5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.8 5.9 5.10	CLIENT INFORMATION GENERAL DESCRIPTION OF EUT TEST ENVIRONMENT AND MODE DESCRIPTION OF SUPPORT UNITS TEST LOCATION TEST FACILITY DEVIATION FROM STANDARDS. ABNORMALITIES FROM STANDARD CONDITIONS OTHER INFORMATION REQUESTED BY THE CUSTOMER EQUIPMENT LIST	5 5 7 7 7 8 8 8 8 9
6	TES	T RESULTS AND MEASUREMENT DATA1	1
	6.1 6.2 <i>6.2.1</i> <i>6.2.2</i>	ANTENNA REQUIREMENT.       1         RADIATED SPURIOUS EMISSIONS       1         Radiated emission below 1GHz       1         Transmitter emission above 1GHz       1	1 2 4 6
7	PHO	TOGRAPHS - EUT TEST SETUP1	7
	7.1 7.2	RADIATED EMISSION       1         RADIATED SPURIOUS EMISSION       1	7 7
8	PHO	TOGRAPHS - EUT CONSTRUCTIONAL DETAILS 1	7



Report No.: HKES160900181103 Page: 5 of 17

## 5 General Information

### 5.1 Client Information

Applicant:	Pismo Labs Technology Limited
Address of Applicant:	Unit A5, 5/F HK SPINNERS IND BLDG PHASE 6, 481 CASTLE PEAK ROAD, CHEUNG SHA WAN,KOWLOON 999077 HONG KONG

### 5.2 General Description of EUT

Product Name:	Peplink / Pepwave / Pismo Labs wireless product			
Model No.:	MAX Hotspot			
Operation Frequency:	Band Mode Frequency Number Range(MHz) channe			
	UNII	IEEE 802.11a	5180-5240	4
	Band I	IEEE 802.11n/ac 20MHz	5180-5240	4
		IEEE 802.11n/ac 40MHz	5190-5230	2
		IEEE 802.11ac 80MHz	5210	1
	UNII	IEEE 802.11a	5745-5825	5
	Band III	IEEE 802.11n/ac 20MHz	5745-5825	5
		IEEE 802.11n/ac 40MHz	5755-5795	2
		IEEE 802.11ac 80MHz	5775	1
	* The 5600-	-5650MHz can not be used.		
Type of Modulation:	IEEE 802.11a: OFDM(BPSK/QPSK/16QAM/64QAM) IEEE 802.11n: OFDM(BPSK/QPSK/16QAM/64QAM) IEEE 802.11ac: OEDM (BPSK/OPSK/16QAM/64QAM/256QAM)			
Antenna Type:	MIMO*3			
Antenna Gain:	Max. 4.36dBi			
Power Supply:	Powered by POE POE Model: POE31U-1AT INPUT: 100-240V, 0.8A, 50/60Hz OUTPUT: DC 56V, 0.536A PIN 3,6 DC56V PIN 1 2 BETLIBN			
LTE module:	Model Num	ber: MC7354		
	FCC ID: N7NMC7355			
Alternative LTE module:	Model Num	ber: MC7455		
	FCC ID: N7NMC7455			
Antenna for LTE module:	Type: PCB Antenna (One main antenna and a DIV antenna) Antenna Gain: -2.09dBi			



Report No.: HKES160900181103 Page: 6 of 17

Note:

In FCC 15.31, for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table, and the selected channel to perform the test as below:

Frequency Range of Operation Operating Frequency Range (in each Band)	Number of Measurement Frequencies Required	Location of Measurement Frequency in Band of Operation
1 MHz or less	1	centre
1 MHz to 10 MHz	2	1 near high end, 1 near low end
Greater than 10 MHz	3	1 near high end, 1 near centre

For UNII Band I:

Mode	Channel	Frequency(MHz)	
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5180	
	The Middle channel	5220	
	The Highest channel	5240	
IEEE 802.11n/ac 40MHz	The Lowest channel 5190		
	The Highest channel	5230	
IEEE 802.11ac 80MHz	One channel	5210	

For UNII Band III:

Mode	Channel	Frequency(MHz)	
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5745	
	The Middle channel	5785	
	The Highest channel	5825	
IEEE 802.11n/ac 40MHz	The Lowest channel	5755	
	The Highest channel	5795	
IEEE 802.11ac 80MHz	One channel	5775	



Report No.: HKES160900181103 Page: 7 of 17

### 5.3 Test Environment and Mode

Operating Environment:	
Temperature:	25.0 °C
Humidity:	55% RH
Atmospheric Pressure:	1020 mbar
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.

### 5.4 Description of Support Units

The EUT has been tested independent unit.

### 5.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594 No tests were sub-contracted.



Report No.: HKES160900181103 Page: 8 of 17

### 5.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### • CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

#### • A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

#### • VCCI

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

#### FCC – Registration No.: 556682

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

#### Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

### 5.7 Deviation from Standards

None.

### 5.8 Abnormalities from Standard Conditions

None.

### 5.9 Other Information Requested by the Customer

None.





Report No.: HKES160900181103 Page: 9 of 17

## 5.10 Equipment List

	RE in Chamber					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2016-05-13	2017-05-13
2	EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2015-10-09	2016-10-09
3	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2014-11-01	2017-11-01
4	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEM003-11	2015-10-17	2018-10-17
5	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEM003-12	2014-11-24	2017-11-24
6	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2016-04-25	2017-04-25
7	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A
8	DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2015-10-09	2016-10-09
9	Loop Antenna	Beijing Daze	ZN30401	SEM003-09	2015-05-13	2018-05-13



Report No.: HKES160900181103 Page: 10 of 17

	RE in Chamber					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
1	3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2016-05-13	2017-05-13
2	EMI Test Receiver	Rohde & Schwarz	ESIB26	SEM004-04	2016-04-25	2017-04-25
3	BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-02	2014-11-15	2017-11-15
4	Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2015-10-09	2016-10-09
5	Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2015-06-14	2018-06-14
6	Horn Antenna (18-26GHz)	ETS-Lindgren	3160	SEM003-12	2014-11-24	2017-11-24
7	Horn Antenna(26GHz- 40GHz)	A.H.Systems, inc.	SAS-573	SEM003-13	2015-02-12	2018-02-12
8	Low Noise Amplifier	Black Diamond Series	BDLNA- 0118- 352810	SEM005-05	2015-10-09	2016-10-09
9	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A

	RF connected test					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)
1	DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2015-10-09	2016-10-09
2	Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2015-10-09	2016-10-09
3	Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2016-04-25	2017-04-25
4	Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2015-10-09	2016-10-09



Report No.: HKES160900181103 Page: 11 of 17

## 6 Test results and Measurement Data

### 6.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

#### 15.203 requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### EUT Antenna:





Report No.: HKES160900181103 Page: 12 of 17

### 6.2 Radiated Spurious Emissions

Test Requirement:	47 CFR Part 15 Section 15.407(b)						
Test Method:	ANSI C63.10: 2013, section 12.7.5, 12.7.6, 12.7.7.3						
Test Site:	Below 1GHz:						
	Measurement Distance: 10m (Semi-Anechoic Chamber)						
	Above TGHz: Measurement Distance: 3m (Full-Anechoic Chamber)						
Test Setup:							
AE EUT (Turnlable) Ground Ref Test Receiver	Antenna Tower Hom Antenna Tower						
Figure 1. 30M	MHz to 1GHz Figure 2. Above 1 GHz						
	<ul> <li>meters above the ground at a 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation</li> <li>b. For above 1GHz test, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter full-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation</li> <li>c. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> </ul>						
<ul> <li>e. For each suspected emission, the EOT was arranged to its worst case then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>f. The test-receiver system was set to Peak Detect Function and Specific Bandwidth with Maximum Hold Mode.</li> <li>g. Test the EUT in the outermost channels.</li> </ul>							
Exploratory Test Mo	de: Transmitting with all kind of modulations, data rates.						
Final Test Mode:	e: Through Pre-scan, find the 6Mbps of rate is the worst case of 802.11a; MCS0 of rate is the worst case of 802.11n(HT20); MCS0 of rate is the worst case of 802.11n(HT40); 1SS0 of rate is the worst case of 802.11ac(HT20); 1SS0 of rate is the worst case of 802.11ac(HT40); 1SS0 of rate is the worst case of 802.11ac(HT80) For below 1GHz, after Pre-scan, find the 1Mbps of rate of 802.11a at lowest						
I mis document is issued by the Company subjec electronic format documents, subject to Terms a of liability, indemnification and jurisdiction issue intervention only and within the limits of Client's	to us general continuous of service printed overlear, available on request or accessible at <a href="http://www.sqs.com/en/lerms-and-conditions.aspx">http://www.sqs.com/en/lerms-and-conditions.aspx</a> and, for do Conditions for Electronic Documents at <a href="http://www.sqs.com/en/lerms-and-conditionsTerms-eDocument.aspx">http://www.sqs.com/en/lerms-and-conditions.aspx</a> and, for do Conditions for Electronic Documents at <a href="http://www.sqs.com/en/lerms-and-conditionsTerms-eDocument.aspx">http://www.sqs.com/en/lerms-and-conditions.aspx</a> and, for do Conditions for Electronic Documents at <a href="http://www.sqs.com/en/lerms-and-conditionsTerms-eDocument.aspx">http://www.sqs.com/en/lerms-and-conditions.aspx</a> and, for do Conditions for Electronic Documents at <a href="http://www.sqs.com/en/lerms-and-conditionsTerms-eDocument.aspx">http://www.sqs.com/en/lerms-and-conditions.aspx</a> and, for document of the toron of the store						

their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



Report No.: HKES160900181103 Page: 13 of 17

	8
	channel is the worst case for 5G WIFI and 1Mbps of rate of 802.11b at lowest channel is the worst case for 2.4G WIFI, so the final test was carried out at simultaneous transmission operations under the worst case of 2.4G & 5G WIFI.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass

For frequencies below 1GHz, the test was performed at a 10m test site. According to below formulate and the test data at 10m test distance,

 $L_3 / L_{10} = D_{10} / D_3$ 

Note:

L<sub>3</sub>: Level @ 3m distance. Unit: uV/m;

L<sub>10</sub>: Level @ 10m distance. Unit: uV/m;

D<sub>3</sub>: 3m distance. Unit: m

D<sub>10</sub>: 10m distance. Unit: m

The level at 3m test distance is below:

Frequency (MHz)	Level @ 10m (dBuV/m)	Level @ 10m (uV/m)	Level @ 3m (uV/m)	Level @ 3m (dBuV/m)	Limit @ 3m (dBuV/m)	Margin (dB)	Ant. Polarization
39.99	19.81	9.78	32.61	30.27	40.00	-9.73	V
60.28	24.50	16.79	55.96	34.96	40.00	-5.04	V
110.57	19.92	9.91	33.03	30.38	43.50	-13.12	V
198.59	28.55	26.76	89.20	39.01	43.50	-4.49	V
300.37	27.42	23.50	78.32	37.88	46.00	-8.12	V
912.86	27.31	23.20	77.34	37.77	46.00	-8.23	V
52.95	15.43	5.91	19.70	25.89	40.00	-14.11	Н
152.66	18.59	8.50	28.34	29.05	43.50	-14.45	Н
204.24	26.91	22.16	73.85	37.37	43.50	-6.13	Н
300.37	29.02	28.25	94.16	39.48	46.00	-6.52	Н
501.18	26.22	20.46	68.21	36.68	46.00	-9.32	Н
801.79	31.60	38.02	126.73	42.06	46.00	-3.94	Н



Report No.: HKES160900181103 Page: 14 of 17

#### 6.2.1 Radiated emission below 1GHz





Condition: 10m VERTICAL Job No. : 1811IT Test Mode: TX mode

		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	39.99	6.80	13.32	32.99	32.68	19.81	29.50	-9.69
2	60.28	7.00	11.94	32.95	38.51	24.50	29.50	-5.00
3	110.57	7.26	10.44	32.79	35.01	19.92	33.10	-13.18
4 pp	198.59	7.59	9.36	32.70	44.30	28.55	33.10	-4.55
5	300.37	8.05	12.67	32.60	39.30	27.42	35.60	-8.18
6	912.86	9.50	22.40	32.50	27.91	27.31	35.60	-8.29



Report No.: HKES160900181103 Page: 15 of 17

	Test mode:	Transmitting	Horizontal
--	------------	--------------	------------



Condition: 10m HORIZONTAL Job No. : 1811IT Test Mode: TX mode

		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MU				-dBuV			
	PINZ	ub	ub/m	ub	ubuv	ubuv/iii	ubuv/iii	ub
1	52.95	6.96	12.54	32.98	28.91	15.43	29.50	-14.07
2	152.66	7.46	13.40	32.74	30.47	18.59	33.10	-14.51
3	204.24	7.62	9.39	32.69	42.59	26.91	33.10	-6.19
4	300.37	8.05	12.67	32.60	40.90	29.02	35.60	-6.58
5	501.18	8.61	16.81	32.60	33.40	26.22	35.60	-9.38
6 p	p 801.79	9.30	21.24	32.60	33.66	31.60	35.60	-4.00



Report No.: HKES160900181103 Page: 16 of 17

#### 6.2.2Transmitter emission above 1GHz

Note:

Refer to the original report (HKES160300051103), the worst case of radiated spurious emission is the highest channel of 802.11n20 mode. So the retest is only performed at this mode.

lest data as follows:									
Test mod	Test mode: 802.11 n20		Freque	Frequency(MHz):		Rema	rk:	Peak	
Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Read Level (dBuV)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	r İ	Polarization
7093.172	35.49	10.64	37.69	41.29	49.73	74	-24.27	7	Vertical
8990.716	37.00	11.79	37.19	35.55	47.15	74	-26.85	5	Vertical
11650.000	37.50	14.18	36.83	30.47	45.32	74	-28.68	8	Vertical
13192.440	38.29	15.60	38.42	33.43	48.90	74	-25.10	0	Vertical
15157.260	40.66	16.70	39.53	33.39	51.22	74	-22.78	8	Vertical
17475.000	43.45	20.33	36.99	23.92	50.71	74	-23.29	9	Vertical
7678.832	36.04	10.89	37.44	39.40	48.89	74	-25.1 <sup>-</sup>	1	Horizontal
8990.716	37.00	11.79	37.19	36.19	47.79	74	-26.2	1	Horizontal
11650.000	37.50	14.18	36.83	32.03	46.88	74	-27.12	2	Horizontal
13192.440	38.29	15.60	38.42	34.38	49.85	74	-24.15	5	Horizontal
15800.410	41.20	17.31	38.51	31.71	51.71	74	-22.29	9	Horizontal
17475.000	43.45	20.33	36.99	24.20	50.99	74	-23.01	1	Horizontal

#### Test data as follows:

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor 2) Scan from 9kHz to 25GHz,The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, 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. So, only the peak measurements were shown in the report.



Report No.: HKES160900181103 Page: 17 of 17

## 7 Photographs - EUT Test Setup

Test model No.: MAX Hotspot

#### 7.1 Radiated Emission



7.2 Radiated Spurious Emission



## 8 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for HKES1609001811IT.