FCC TEST REPORT

According to

FCC Rules and Regulations

Part 15 Subpart E

Applicant : Zhejiang shenghui lighting Co., Ltd. Shanghai Branch

Address Rm. 801, 1st Xinye Building,388 Tianlin Rd., Caohejing

Development Zone, Shanghai, 200233, China

Equipment : LED Lamp

Model No. : C01-BR30

FCC ID : 2ABX8SH-000000001

- The test result refers exclusively to the test presented test model / sample.,
- The test result does not include DFS test for 5250 ~ 5350 MHz.
- Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.
- The EUT is also considered as a kind of computer peripheral, because the connection to computer is necessary for typical use. It has been verified to comply with the requirements of FCC Part 15, Subpart B, Class B (DoC). The test report has been issued separately.

Cerpass Technology (Suzhou) Co., LtdTel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 1 of 44

FCC ID : 2ABX8SH-000000001

CONTENTS

1.	Repo	rt of Measurements and Examinations	6
	1.1.	List of Measurements and Examinations	6
2.	Test (Configuration of Equipment under Test	7
	2.1.	Feature of Equipment under Test	7
	2.2.	Carrier Frequency of Channels	7
	2.3.	Test Mode and Test Software	8
	2.4.	Description of Test System	8
	2.5.	General Information of Test	9
	2.6.	Measurement Uncertainty	9
3.	Anter	nna Requirements	10
	3.1.	Standard Applicable	.10
	3.2.	Antenna Construction and Directional Gain	.10
4.	Test o	of Conducted Emission	11
	4.1.	Test Procedures	. 11
	4.2.	Typical Test Setup Layout of Conducted Emission	. 11
	4.3.	Conducted Emission Requirement	.12
	4.4.	Measurement Equipment	.12
	4.5.	Test Result and Data	.13
5.	Test o	of Radiated Emission	15
	5.1.	Test Procedures	.15
	5.2.	Typical Test Setup Layout of Radiated Emission	.16
	5.3.	Measurement Equipment	.16
	5.4.	Test Result and Data (9kHz ~ 30MHz)	.17
	5.5.	Test Result of Radiated Emission (30MHz ~ 1GHz)	.17
	5.6.	Test Result of Radiated Emission (Above 1GHz)	.18
6.	Peak	Transmit Power	24
	6.1.	Test Procedure	.24
	6.2.	Test Setup Layout	.24
	6.3.	Measurement Equipment	.24
	6.4.	Test Result and Data	.25
7.	Peak	Power Excursion	32
	7.1.	Test Procedure	.32
	7.2.	Test Setup Layout	.32
	7.3.	Measurement Equipment	.32
	7.4.	Test Result and Data	.32
8.	Peak	Power Spectral Density	36
	8.1.	Test Procedure	.36
	8.2.	Test Setup Layout	.36
	8.3.	Measurement Equipment	.36
	8.4.	Test Result and Data	.36
9.	Frequ	ency Stability	40
	9.1.	Test Procedure	.40

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 2 of 44

FCC ID : 2ABX8SH-000000001



9.2.	Test Setup Layout	.40
9.3.	Measurement Equipment	.40
9.4.	Test Result and Data	.41
Band	Edges Measurement	42
10.1.	Test Procedure	.42
10.2.	Measurement Equipment	.42
10.3.	Restrict Band Emission Measurement Data	.42
Restri	cted Bands of Operation	44
11.1.	Labeling Requirement	.44
	9.3. 9.4. Band 10.1. 10.2. 10.3. Restri	9.2. Test Setup Layout

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 3 of 44

FCC ID : 2ABX8SH-000000001



History of this test report

■ ORIGINAL.

☐ Additional attachment as following record:

Attachment No.	Issue Date	Description

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 4 of 44

FCC ID : 2ABX8SH-000000001



CERTIFICATE OF COMPLIANCE

According to

FCC Rules and Regulations Part 15 Subpart E

Applicant : Zhejiang shenghui lighting Co., Ltd. Shanghai Branch

Address Rm. 801, 1st Xinye Building,388 Tianlin Rd., Caohejing

Development Zone, Shanghai, 200233, China

Equipment : LED Lamp

Model No. : C01-BR30

FCC ID : 2ABX8SH-000000001

I **HEREBY** CERTIFY THAT:

The measurements shown in this test report were made in accordance with the procedures given in ANSI C63.4(2009) The equipment was *passed* the test performed according to FCC Rules and Regulations Part 15 Subpart E (2010), and KDB789033.

The test was carried out on Mar. 14, 2014 at Cerpass Technology Corp.

Signature

Miro Chueh/ Technical director

1. Report of Measurements and Examinations

1.1. List of Measurements and Examinations

For Frequency 5150MHz ~ 5250MHZ,5725MHz-5825MHz

Applied Standard : FCC Part 15, Subpart E (Section 15.407)						
FCC Rule	Result					
15.407(b)(5)	Pass					
15.407(b/1/2/3)(b)(5)	Pass					
15.407(a/1/2/3)	. Peak Transmit Power	Pass				
15.407(a)(6)	Pass					
15.407(a/1/2/3)	Pass					
15.407(g)	. Frequency Stability	Pass				

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 6 of 44

FCC ID : 2ABX8SH-000000001



2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Frequency Range	5180-5240MHz, 5736-5814MHz
Type of Modulation	QPSK
Type of Antenna	PCB antenna
Antenna Gain	2dBi (5.2GHz band),
/ vitterina Gain	3dBi (5.8GHz band)

2.2. Carrier Frequency of Channels

Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	5180	04	5736
02	5210	05	5762
03	5240	06	5814

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 7 of 44

FCC ID : 2ABX8SH-000000001



2.3. Test Mode and Test Software

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. The complete test system included EUT for RF test.
- c. The EUT was executed to keep transmitting .
- d. The following test mode was performed for conduction and radiation test:
 - QPSK: CH 01: 5180MHz, CH 02: 5210MHz, CH 03: 5240MHz.
 CH 04: 5736MHz, CH 05: 5762MHz, CH 06: 5814MHz.

2.4. Description of Test System

There is no supporting system during the test.

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 8 of 44

FCC ID : 2ABX8SH-000000001

2.5. General Information of Test

Test Site:	Cerpass Technology (Suzhou) Co.,Ltd				
Test Site Location (OATS2-SD):	No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China				
FCC Registration Number:	916572, 331395				
IC Registration Number :	7290A-1, 7290A-2				
VCCI Registration Number :	T-343 for Telecommunication Test C-2919 for Conducted emission test R-2670 for Radiated emission test below 1GHz G-227 for Radiated emission test above 1GHz				
Frequency Range Investigated:	AC Power Conducted Emission : from 150kHz to 30 MHz Radiated and conducted Emission: from 30 MHz to 40 GHz				
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.				
Laboratory Accreditation	Testing Laboratory 1439				

2.6. Measurement Uncertainty

Measurement Item	Uncertainty
Radiated emission	±4.11dB
Peak Output Power(conducted)	±1.38dB
Peak Output Power(Radiated)	±1.70dB
Power Spectral Density	±1.39dB
Radiated emission(3m)	±4.11dB
Radiated emission(10m)	±3.89dB

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 9 of 44

FCC ID : 2ABX8SH-000000001



3. Antenna Requirements

3.1. Standard Applicable

For intentional device, according to FCC 47 CFR 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.

And according to FCC 47 CFR Section 15.407 (a), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

3.2. Antenna Construction and Directional Gain

Antenna Type: PCB Antenna

Antenna Gain: 2dBi (5.2GHz band),

3dBi (5.8GHz band)

Cerpass Technology (Suzhou) Co., LtdTel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 10 of 44

FCC ID : 2ABX8SH-000000001



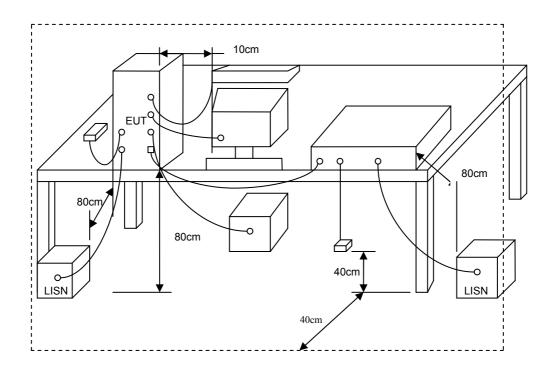
4. Test of Conducted Emission

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2009 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 1.3.1. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

4.1. Test Procedures

- a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- c. All the support units are connecting to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- f. Both sides of AC line were checked for maximum conducted interference.
- g. The frequency range from 150 kHz to 30 MHz was searched.
- h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

4.2. Typical Test Setup Layout of Conducted Emission



Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 11 of 44

FCC ID : 2ABX8SH-000000001

4.3. Conducted Emission Requirement

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2003 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 2.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB µ V)	Average (dB µ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

^{*}Decreases with the logarithm of the frequency.

4.4. Measurement Equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date.	
Test Receiver	R&S	ESCI	100565	2014.03.10	2015.03.09	
ISN	FCC	FCC-TLISN-T	00070	2013.06.25	2044.00.24	
ISIN	FCC	2-02	20379	2013.00.23	2014.06.24	
ICN	FCC	FCC-TLISN-T	20200	2042.00.05	2014 00 04	
ISN	FCC	4-02	20380	2013.06.25	2014.06.24	
ICNI	F00	FCC-TLISN-T	20204	2042.07.00	2044.07.00	
ISN	FCC	8-02	20381	2013.07.09	2014.07.08	

Cerpass Technology (Suzhou) Co., LtdTel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 12 of 44

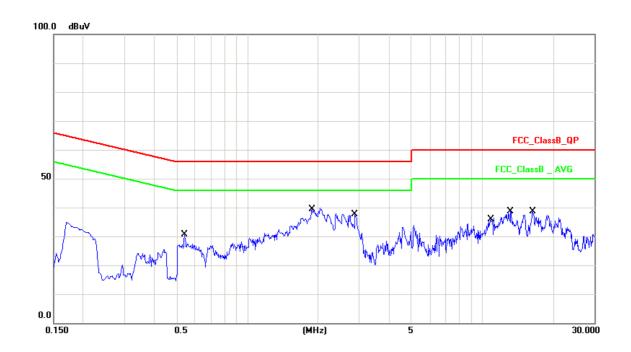
FCC ID : 2ABX8SH-000000001

4.5. Test Result and Data

Test Mode: Mode 1: Normal Operation

AC Power: AC 120V/60Hz Phase: LINE Temperature: 26°C Humidity: 60%

Pressure(mbar): 1002 Date: 2014/03/05



No.	Frequency	Factor	Reading	Level	Limit	Margin	Detector
	(MHz)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.5420	10.16	16.21	26.37	56.00	-29.63	QP
2	0.5420	10.16	12.68	22.84	46.00	-23.16	AVG
3	1.8900	10.17	25.25	35.42	56.00	-20.58	QP
4	1.8900	10.17	8.35	18.52	46.00	-27.48	AVG
5	2.8780	10.18	22.77	32.95	56.00	-23.05	QP
6	2.8780	10.18	3.89	14.07	46.00	-31.93	AVG
7	10.8660	10.30	15.90	26.20	60.00	-33.80	QP
8	10.8660	10.30	4.23	14.53	50.00	-35.47	AVG
9	13.2340	10.42	17.47	27.89	60.00	-32.11	QP
10	13.2340	10.42	5.89	16.31	50.00	-33.69	AVG
11	16.4420	10.47	17.45	27.92	60.00	-32.08	QP
12	16.4420	10.47	6.34	16.81	50.00	-33.19	AVG

Note: Measurement Level = Reading Level + Correct Factor

Cerpass Technology (Suzhou) Co., Ltd

Issued date : Mar. 14, 2014 Tel: 86-512-6917-5888 Fax: 86-512-6917-5666 : 13 of 44 Page No.

> FCC ID : 2ABX8SH-000000001

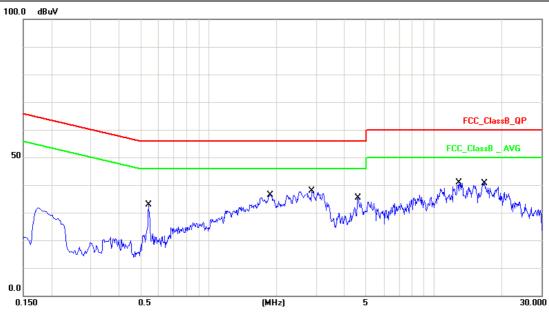


Test Mode: Mode 1: Normal Operation

AC Power: AC 120V/60Hz Phase: NEUTRAL

Temperature: 26°C Humidity: 60%

Pressure(mbar): 1002 Date: 2014/03/05



No.	Frequency	Factor	Reading	Level	Limit	Margin	Detector
	(MHz)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dB)	
1	0.5420	10.15	21.15	31.30	56.00	-24.70	QP
2	0.5420	10.15	19.56	29.71	46.00	-16.29	AVG
3	1.8860	10.18	22.14	32.32	56.00	-23.68	QP
4	1.8860	10.18	6.20	16.38	46.00	-29.62	AVG
5	2.8820	10.20	23.45	33.65	56.00	-22.35	QP
6	2.8820	10.20	5.28	15.48	46.00	-30.52	AVG
7	4.6100	10.24	18.27	28.51	56.00	-27.49	QP
8	4.6100	10.24	3.97	14.21	46.00	-31.79	AVG
9	12.9819	10.41	20.32	30.73	60.00	-29.27	QP
10	12.9819	10.41	8.26	18.67	50.00	-31.33	AVG
11	16.7979	10.49	19.29	29.78	60.00	-30.22	QP
12	16.7979	10.49	7.78	18.27	50.00	-31.73	AVG

Note: Measurement Level = Reading Level + Correct Factor

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 14 of 44

FCC ID : 2ABX8SH-000000001

5. Test of Radiated Emission

For transmitters operating in the 5.15-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz (68.3dBuV/m at 3m). In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

5.1. Test Procedures

- The EUT was placed on a rotatable table top 0.8 meter above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666 : 15 of 44 Page No.

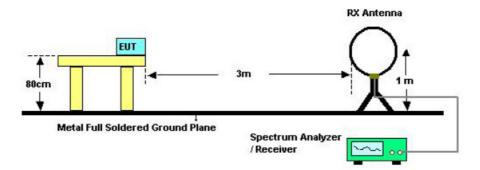
Issued date : Mar. 14, 2014

FCC ID : 2ABX8SH-000000001

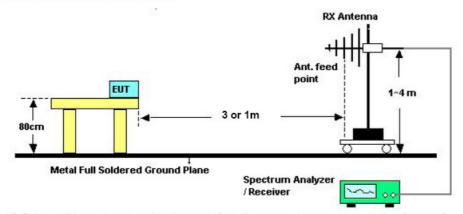


5.2. Typical Test Setup Layout of Radiated Emission

For radiated emissions below 30MHz



For radiated emissions above 30MHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade from 3m to 1m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1m]) (dB); Limit line = specific limits (dBuV) + distance extrapolation factor [9.54 dB].

5.3. Measurement Equipment

Instrument	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date	
EMI Test Receiver	ESCI	R&S	101183	2014.03.10	2015.03.09	
H64 Amplifier	8447F	HP	3113A05582	2014.03.10	2015.03.09	
Preamplifier	8449B	Agilent	3008A02342	2014.03.10	2015.03.09	
Ultra Broadband	HL562	R&S	100363	2013.05.02	2014.05.01	
Antenna		7 10.0				
Broad-Band Horn	BBHA9120D	Schwarzbeck	9120D-619	2013.05.02	2014.05.01	
Antenna	DDI 1A9 120D	Scriwarzbeck	91200-019	2013.03.02	2014.05.01	
Spectrum Analyzer	FSP40	R&S	100324	2014.03.10	2015.03.09	
Temperature/	ZC1-11	Zhiohong	CEP-TH-002	2014.03.10	2015.03.09	
Humidity Meter	201-11	Zhicheng	CEF-1H-002	2014.03.10	2015.05.09	

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Page No. : 16 of 44

Issued date

FCC ID : 2ABX8SH-000000001

: Mar. 14, 2014



5.4. Test Result and Data (9kHz ~ 30MHz)

The 9kHz - 30MHz spurious emission is under limit 20dB more.

5.5. Test Result of Radiated Emission (30MHz ~ 1GHz)

Site : EMC Lab AC 102	Time : 2014-3-3
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: normal link	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

Freq.	Ant.Pol.	Reading	Correct	Measure	Limit 3m	Safe Margin	Detector
(MHz)	H/V	Level	Factor	Level	(dBuV/m)	(dB)	Mode
		(dBuV)	(dB)	(dBuV/m)			(PK/QP)
33.02	V	41.33	-6.65	34.68	40.00	-5.32	QP
65.15	V	51.52	-17.29	34.23	40.00	-5.77	QP
136.39	V	48.74	-10.74	38	43.50	-5.5	QP
505.77	V	40.16	-2.27	37.89	46.00	-8.11	QP
652.36	V	40.37	-0.42	39.95	46.00	-6.05	QP
910.28	V	35.71	2.89	38.6	46.00	-7.4	QP
111.74	Н	45.23	-9.92	35.31	43.50	-8.19	QP
162.96	Н	49.74	-13.05	36.69	43.50	-6.81	QP
404.77	Н	42.29	-5	37.29	46.00	-8.71	QP
454.35	Н	40.36	-3.13	37.23	46.00	-8.77	QP
910.72	Н	36.15	2.89	39.04	46.00	-6.96	QP
923.96	Н	34.96	3.72	38.68	46.00	-7.32	QP

Note:

- All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Measurement Level = Reading Level + Correct Factor

Cerpass Technology (Suzhou) Co., LtdTel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014
Page No. : 17 of 44

FCC ID : 2ABX8SH-000000001

5.6. Test Result of Radiated Emission (Above 1GHz)

Site : EMC Lab AC 102	Time : 2014-3-3
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by QPSK 5180MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

Freq. (MHz)	Ant. Pol H/V	Peak Reading	AV Reading	Ant. / CL CF	Actu	ial Fs	Peak Limit	AV Limit	Margin (dB)	Remark	
		(dBuV)	(dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	, (aran)	(dBuV/m)		Kemark	
10361.4	V	34.85	21.45	17.64	52.49	39.09	74	54	-14.91	average	
10360.2	Н	35.25	21.46	17.71	52.96	39.17	74	54	-14.83	average	

Note:

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Measurement Level = Reading Level + Correct Factor

Cerpass Technology (Suzhou) Co., LtdTel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014
Page No. : 18 of 44

FCC ID : 2ABX8SH-000000001



Site : EMC Lab AC 102	Time : 2014-3-3
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by QPSK 5210MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

Freq. (MHz)	Ant. Pol H/V	Peak Reading	AV Reading	Ant. / CL CF	Actu	ial Fs	Peak Limit	AV Limit	Margin (dB)	Remark
		(dBuV)	(dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	, (aran)	(dBuV/m)		Kemark
10420.7	V	34.15	24.87	17.89	52.04	42.76	74	54	-11.24	average
10420.8	Н	33.87	23.75	17.96	51.83	41.71	74	54	-12.29	average
10420.8	11	33.61	23.13	17.90	31.63	41./1	/4	J4	-12.29	average

Note:

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Measurement Level = Reading Level + Correct Factor

Cerpass Technology (Suzhou) Co., LtdTel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014
Page No. : 19 of 44

FCC ID : 2ABX8SH-000000001



Site : EMC Lab AC 102	Time : 2014-3-3
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by QPSK 5240MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

Freq. (MHz)	Ant. Pol H/V	Peak Reading	AV Reading	Ant. / CL CF	Actu	Actual Fs		AV Limit	Margin (dB)	Remark
		(dBuV)	(dBuV)	(dB)	Peak	AV	, (aran x \u	(dBuV/m)		Kemai K
					(dBuV/m)	(dBuV/m)				
10480.6	V	33.55	23.45	18.23	51.78	41.68	74	54	-12.32	average
	-		-	-	-	•	-	-	•	-
10481.8	Н	33.56	23.65	18.35	51.91	42	74	54	-12	average

Note:

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Measurement Level = Reading Level + Correct Factor

Cerpass Technology (Suzhou) Co., Ltd Tel: 86-512-6917-5888 Fax: 86-512-6917-5666 Issued date : Mar. 14, 2014

Page No.

: 20 of 44 FCC ID : 2ABX8SH-000000001



Site : EMC Lab AC 102	Time : 2014-3-3
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by QPSK 5736MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

Freq. (MHz)	Ant. Pol H/V	Peak Reading	AV Reading	Ant. / CL CF	Actu	ial Fs	Peak Limit	AV Limit	Margin (dB)	Remark
		(dBuV)	(dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	(aBuv/m	(dBuV/m)		Kemark
11472.2	V	34.16	22.24	19.12	53.28	41.36	74	54	-12.64	average
11.151.0		26.20	00.15	10.00					44.6	
11471.9	Н	36.28	23.17	19.23	55.51	42.4	74	54	-11.6	average

Note:

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Measurement Level = Reading Level + Correct Factor

Cerpass Technology (Suzhou) Co., LtdTel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 21 of 44

FCC ID : 2ABX8SH-000000001



Site : EMC Lab AC 102	Time : 2014-3-3
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by QPSK 5762MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

Freq. (MHz)	Ant. Pol H/V	Peak Reading	AV Reading	Ant. / CL CF	Actual Fs		Peak Limit	AV Limit	Margin (dB)	Remark
		(dBuV)	(dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	(aBuv/m	(dBuV/m)		Kemark
11524.2	V	33.39	25.33	19.45	52.84	44.78	74	54	-9.22	average
11524.9	Н	33.59	24.18	19.51	53.1	43.69	74	54	-10.31	average

Note:

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Measurement Level = Reading Level + Correct Factor

Cerpass Technology (Suzhou) Co., LtdTel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014
Page No. : 22 of 44

FCC ID : 2ABX8SH-000000001



Site : EMC Lab AC 102	Time : 2014-3-3
Limit : FCC_CLASS_B_03M_QP	Margin : 6
Test mode: Transmit by QPSK 5814MHz	Probe : VERTICAL/ HORIZONTAL
Power : AC 120V/60Hz	

Freq. (MHz)	Ant. Pol H/V	Peak Reading	AV Reading	Ant. / CL CF	Actual Fs		Peak Limit	AV Limit	Margin (dB)	Remark
		(dBuV)	(dBuV)	(dB)	Peak	AV	, (aran x \ w	(dBuV/m)		Kemai K
					(dBuV/m)	(dBuV/m)				
11627.1	V	34.18	22.49	22.34	56.52	44.83	74	54	-9.17	average
11628	Н	35.39	23.36	20.45	55.84	43.81	74	54	-10.19	average

Note:

- 1. All Readings below 1GHz are Quasi-Peak, above are performed with peak and/or average measurements as necessary.
- 2. Measurement Level = Reading Level + Correct Factor

Cerpass Technology (Suzhou) Co., LtdTel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014
Page No. : 23 of 44

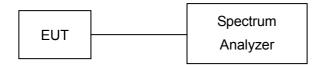
FCC ID : 2ABX8SH-000000001

6. Peak Transmit Power

6.1. Test Procedure

- 1. The transmitter output was connected to the spectrum analyzer.
- 2. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz.
- 3. Set detector mode to RMS, trace average 100 traces in power averaging mode.
- 4. Use the spectrum analyzer's integrated band power measurement function with band limits set equal to the EBW band edges.
- 5. The peak transmit power was measured and recorded.

6.2. Test Setup Layout



6.3. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	Agilent	N9010A	MY53400169	2013.09.28	2014.09.27

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 24 of 44

FCC ID : 2ABX8SH-000000001



6.4. Test Result and Data

Test Date: Mar. 11, 2014 Temperature: 22°℃ Atmospheric pressure: 1020 hPa Humidity: 65%

	1		
Channel	Frequency (MHz)	Peak Power Output (dBm)	Peak Power Output (mW)
1	5180	9.75	9.44
2	5210	9.35	8.61
3	5240	9.28	8.47
4	5736	13.14	20.61
5	5762	13.12	20.51
6	5814	14.05	25.41

Channel	Frequency	26dB Occupied Bandwidth
Charine	(MHz)	(MHz)
1 5180		29.08
2	5210	29.24
3	5240	29.09
4	5736	18.64
5	5762	20.08
6	5814	17.98

Cerpass Technology (Suzhou) Co., Ltd Tel: 86-512-6917-5888 Fax: 86-512-6917-5666 Issued date : Mar. 14, 2014 : 25 of 44

Page No.

FCC ID : 2ABX8SH-000000001

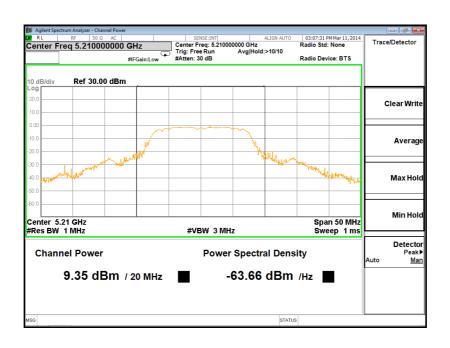


Peak Output Power

Channel: 1



Channel: 2



Cerpass Technology (Suzhou) Co., Ltd

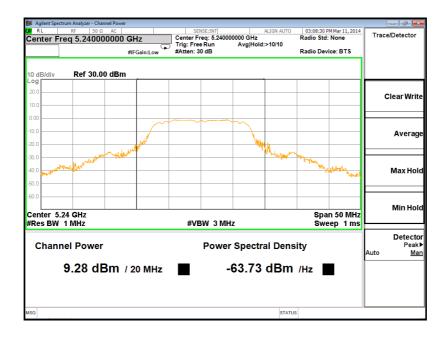
Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

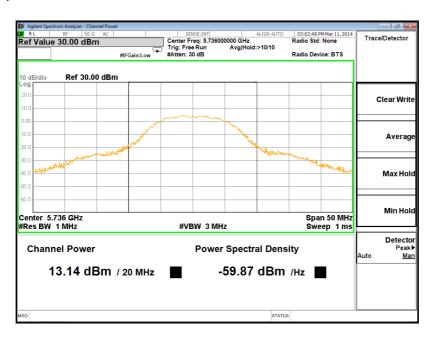
Page No. : 26 of 44

FCC ID : 2ABX8SH-000000001

Channel: 3



Channel: 4



Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

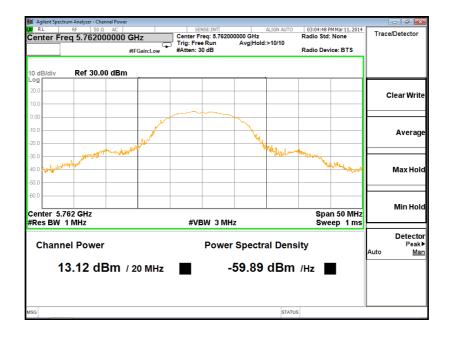
Issued date : Mar. 14, 2014

Page No. : 27 of 44

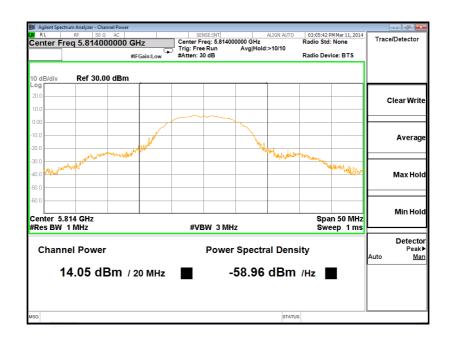
FCC ID : 2ABX8SH-000000001



Channel: 5



Channel: 6



Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

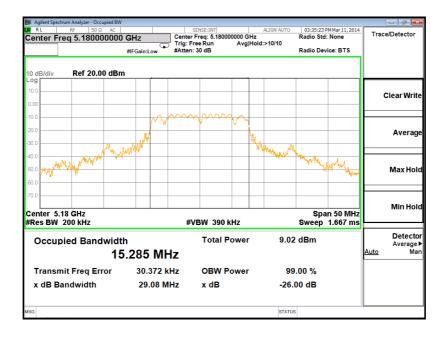
Page No. : 28 of 44

FCC ID : 2ABX8SH-000000001

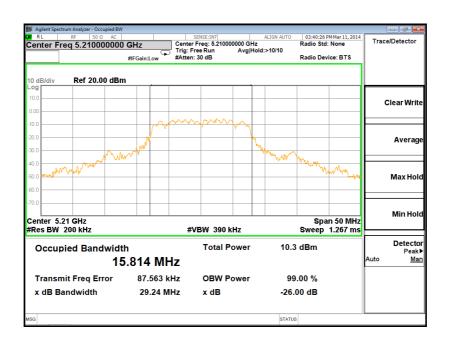


26dB Occupied Bandwidth

Channel: 1



Channel: 2



Cerpass Technology (Suzhou) Co., Ltd

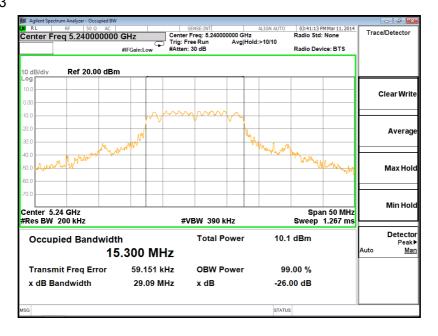
Tel: 86-512-6917-5888 Fax: 86-512-6917-5666 Page No. : 29 of 44

FCC ID : 2ABX8SH-000000001

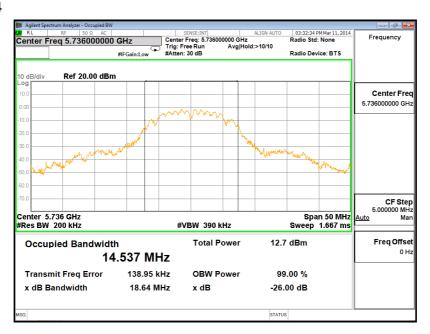
Issued date : Mar. 14, 2014



Channel: 3



Channel: 4



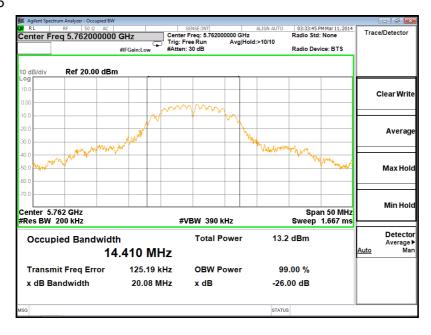
Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666 Page No. : 30 of 44

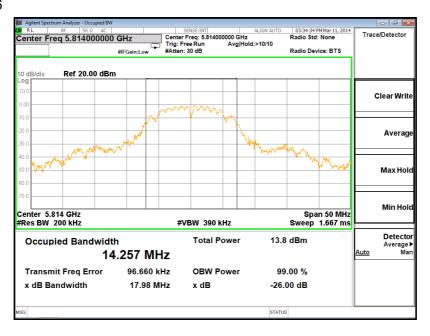
Issued date : Mar. 14, 2014

FCC ID : 2ABX8SH-000000001

Channel: 5



Channel: 6



Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 31 of 44

FCC ID : 2ABX8SH-000000001

7. Peak Power Excursion

7.1. Test Procedure

- 1. The transmitter output was connected to the spectrum analyzer
- 2. Using Peak detector and max-hold function.
- 3. Set RBW of spectrum analyzer to 1 MHz and VBW to 3 MHz
- 4. Allow the sweeps to continue until the trace stabilizes.
- 5. Compute the ratio of the maximum of the peak-max-hold spectrum to the PPSD.

7.2. Test Setup Layout



7.3. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	Agilent	N9010A	MY53400169	2013.09.28	2014.09.27

7.4. Test Result and Data

Test Date: Mar. 14, 2014 Temperature: 22°C Atmospheric pressure: 1020 hPa Humidity: 65%

Channel	Frequency (MHz)	Peak Power (dBm/MHz)	PPSD Value(dBm/MHz)	Peak excursion(dB)	Limit (dB)
1	5180	-0.352	-2.601	2.249	13
2	5210	-0.517	-2.691	2.174	13
3	5240	-0.799	-3.030	2.231	13
4	5736	4.238	2.471	1.767	13
5	5762	4.411	3.263	1.148	13
6	5814	5.324	3.658	1.666	13

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666 Page No. : 32 of 44

Issued date : Mar. 14, 2014

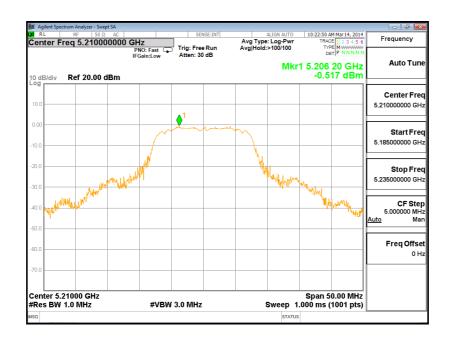
FCC ID : 2ABX8SH-000000001



Channel: 1



Channel: 2



Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

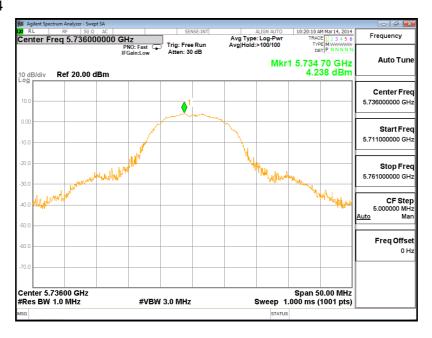
Page No. : 33 of 44

FCC ID : 2ABX8SH-000000001

Channel: 3



Channel: 4



Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

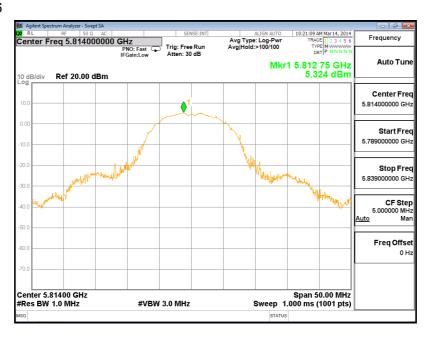
Page No. : 34 of 44

FCC ID : 2ABX8SH-000000001

Channel: 5



Channel: 6



Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 35 of 44

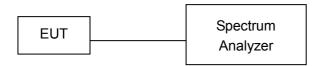
FCC ID : 2ABX8SH-000000001

8. Peak Power Spectral Density

8.1. Test Procedure

- 1. The transmitter output was connected to spectrum analyzer.
- 2. Set RBW of spectrum analyzer to 1 MHz and VBW to 3 MHz, Set detector mode to RMS, trace average 100 traces in power averaging mode.
- 3. The Peak Power Spectral Density is the highest level found across the emission in any 1MHz Band

8.2. **Test Setup Layout**



8.3. **Measurement Equipment**

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	Agilent	N9010A	MY53400169	2013.09.28	2014.09.27

8.4. Test Result and Data

Temperature: 22°℃ Test Date: Mar. 14, 2014 Atmospheric pressure: 1020 hPa Humidity: 65%

Channel	Frequency (MHz)	RF Power Level In 1MHz BW (dBm)	Limit (dB)
1	5180	-2.601	4
2	5210	-2.691	4
3	5240	-3.030	4
4	5736	2.471	17
5	5762	3.263	17
6	5814	3.658	17

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666 Page No.

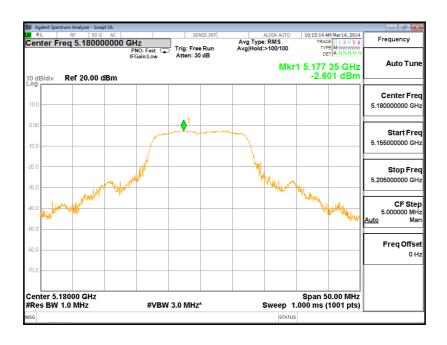
: 36 of 44

Issued date : Mar. 14, 2014

FCC ID : 2ABX8SH-000000001



Channel: 1



Channel: 2



Cerpass Technology (Suzhou) Co., Ltd

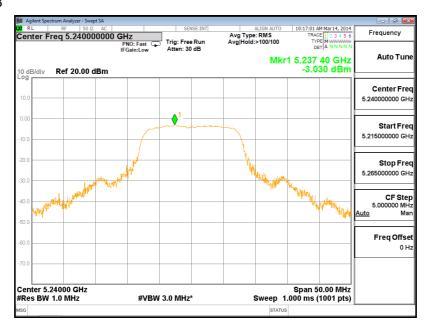
Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

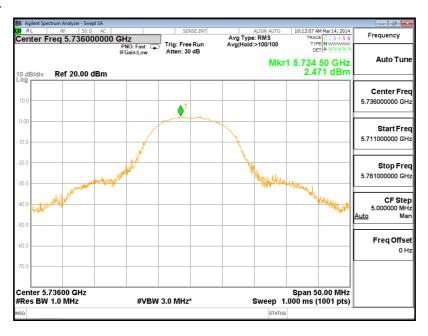
Page No. : 37 of 44

FCC ID : 2ABX8SH-000000001

Channel: 3



Channel: 4



Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

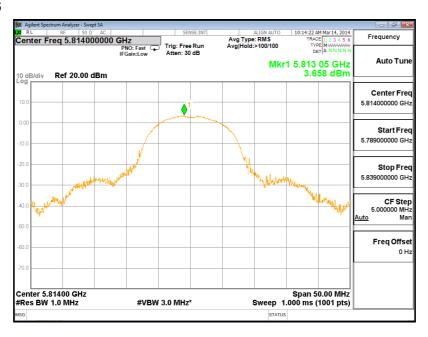
Page No. : 38 of 44

FCC ID : 2ABX8SH-000000001

Channel: 5



Channel: 6



Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 39 of 44

FCC ID : 2ABX8SH-000000001

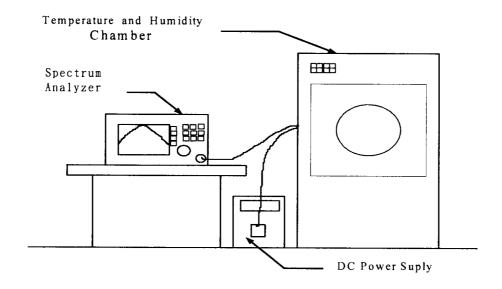


9. Frequency Stability

9.1. Test Procedure

- 1. The EUT was placed inside the Temperature and Humidity chamber.
- 2. The transmitter output was connected to spectrum analyzer.
- 3. Turn the EUT on and couple its output to a spectrum analyzer.
- 4. Turn the EUT off and set the chamber to the highest temperature specified.
- 5. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
- 6. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
- 7. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

9.2. Test Setup Layout



9.3. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	Agilent	N9010A	MY53400169	2013.09.28	2014.09.27

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666 Page No.

Issued date : Mar. 14, 2014

FCC ID : 2ABX8SH-000000001

: 40 of 44



9.4. Test Result and Data

Test Date: Mar. 11, 2014 Temperature: 22° C Atmospheric pressure: 1020 hPa Humidity: 65%

Operating frequency: 5180 MHz									
Temp	Power	2 mi	nute	5 minute			10 minute		
(°C)	supply (V)	(MHz)	(%)	(MHz)	(%)	(MHz)	(%)		
	. ,	E470.0004	0.000240	F470 0000	0.000274	F470 0000	0.000000		
50	102	5179.9824	-0.000340	5179.9808	-0.000371	5179.9802	-0.000382		
50	120	5179.9888	-0.000216	5179.9850	-0.000290	5179.9826	-0.000336		
	138	5179.9892	-0.000208	5179.9902	-0.000189	5179.9882	-0.000228		
	102	5179.9886	-0.000220	5179.9878	-0.000236	5179.9884	-0.000224		
40	120	5179.9882	-0.000228	5179.9886	-0.000220	5179.9884	-0.000224		
	138	5179.9898	-0.000197	5179.9884	-0.000224	5179.9888	-0.000216		
	102	5179.9484	-0.000996	5179.9482	-0.001000	5179.9484	-0.000996		
30	120	5179.9490	-0.000985	5179.9495	-0.000975	5179.9484	-0.000996		
	138	5179.9484	-0.000996	5179.9488	-0.000988	5179.9494	-0.000977		
	102	5179.9384	-0.001189	5179.9392	-0.001174	5179.9388	-0.001181		
20	120	5179.9392	-0.001174	5179.9386	-0.001185	5179.9394	-0.001170		
	138	5179.9388	-0.001181	5179.9388	-0.001181	5179.9396	-0.001166		
	102	5179.9502	-0.000961	5179.9492	-0.000981	5179.9502	-0.000961		
10	120	5179.9500	-0.000965	5179.9496	-0.000973	5179.9490	-0.000985		
	138	5179.9498	-0.000969	5179.9490	-0.000985	5179.9494	-0.000977		
	102	5179.9776	-0.000432	5179.9760	-0.000463	5179.9734	-0.000514		
0	120	5179.9706	-0.000568	5179.9706	-0.000568	5179.9690	-0.000598		
	138	5179.9674	-0.000629	5179.9672	-0.000633	5179.9664	-0.000649		
	102	5179.9778	-0.000429	5179.9774	-0.000436	5179.9776	-0.000432		
-10	120	5179.9780	-0.000425	5179.9780	-0.000425	5179.9774	-0.000436		
	138	5179.9790	-0.000405	5179.9792	-0.000402	5179.9806	-0.000375		
-20	102	5179.9828	-0.000332	5179.9820	-0.000347	5179.9822	-0.000344		
	120	5179.9826	-0.000336	5179.9812	-0.000363	5179.9808	-0.000371		
	138	5179.9838	-0.000313	5179.9240	-0.001467	5179.9838	-0.000313		
	102	5179.9848	-0.000293	5179.9890	-0.000212	5179.9852	-0.000286		
-30	120	5179.9844	-0.000301	5179.9844	-0.000301	5179.9842	-0.000305		
	138	5179.9826	-0.000336	5179.9842	-0.000305	5179.9846	-0.000297		

Limit: ±20ppm

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 41 of 44

FCC ID : 2ABX8SH-000000001



10. Band Edges Measurement

10.1. Test Procedure

- 1. The transmitter output was connected to the spectrum analyzer via a low lose cable.
- 2. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz with convenient frequency span including 100 MHz bandwidth from band edge.
- 3. The band edges was measured and recorded.

10.2. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date
Spectrum Analyzer	Agilent	N9010A	MY53400169	2013.09.28	2014.09.27

10.3. Restrict Band Emission Measurement Data

Test Date : 2014-3-3 Temperature : **23**℃ Humidity : 65% Atmospheric Pressure : 1020 hPa Modulation Standard : QPSK

Channel 01 Fundamental Frequency: 5180 MHz										
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High
						Peak	Ave.			(m)
5150.56	Н	58.61	-1.13	57.48	Peak	74	54	-16.52	213	1.0
5150.56	Н	51.56	-1.13	50.43	Ave	74	54	-3.57	125	1.0
5150.72	V	56.92	-1.13	55.79	Peak	74	54	-18.21	124	1.0
5150.72	V	50.21	-1.13	49.08	Ave	74	54	-4.92	231	1.0
Channel 03	Channel 03 Fundamental Frequency: 5240 MHz									
5815.11	Н	59.56	-1.08	58.48	Peak	74	54	-15.52	124	1.0
5815.11	Н	50.21	-1.08	49.13	Ave	74	54	-4.87	212	1.0
5815.11	V	61.26	-1.08	60.18	Peak	74	54	-13.82	45	1.0
5815.11	V	49.67	-1.08	48.59	Ave	74	54	-5.41	65	1.0

Notes:

- 1. Result = Meter Reading + Factor
- 2. Factor = Antenna Factor + Cable Loss Amplifier
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
- 4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz

Cerpass Technology (Suzhou) Co., Ltd Issued date : Mar. 14, 2014 Tel: 86-512-6917-5888 Fax: 86-512-6917-5666 : 42 of 44 Page No.

FCC ID

: 2ABX8SH-000000001



Channel 04 Fundamental Frequency: 5736 MHz										
Frequency (MHz)	Ant-Pol H/V	Meter Reading	Corrected Factor	Result (dBuV/m)	Remark	Limit@3m (dBuV/m)		Margin (dB)	Table (Deg.)	Ant High (m)
5700.15	Н	59.18	-1.42	57.76	Peak	74	54	-16.24	241	1.0
5700.15	Н	50.05	-1.42	48.63	Ave	74	54	-5.37	241	1.0
5700.15	V	57.26	-1.42	55.84	Peak	74	54	-18.16	325	1.0
5700.15	V	46.65	-1.42	45.23	Ave	74	54	-8.77	302	1.0
Channel 06	Channel 06 Fundamental Frequency: 5814 MHz									
5815.11	Н	61.11	-1.08	60.03	Peak	74	54	-13.97	186	1.0
5815.11	Н	50.35	-1.08	49.27	Ave	74	54	-4.73	186	1.0
5815.11	V	65.22	-1.08	64.14	Peak	74	54	-9.86	33	1.0
5815.11	V	51.84	-1.08	50.76	Ave	74	54	-3.24	33	1.0

Notes:

- 1. Result = Meter Reading + Factor
- 2. Factor = Antenna Factor + Cable Loss Amplifier
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3 MHz for Peak detection at frequency above 1GHz.
- 4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No.

FCC ID

: 43 of 44

Report No.: SEFE1402011

: 2ABX8SH-000000001

11. Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 - 0.11000	16.42000 - 16.42300	399.9 – 410.0	4.500 – 5.150
0.49500 - 0.505**	16.69475 - 16.69525	608.0 - 614.0	5.350 - 5.460
2.17350 - 2.19050	16.80425 - 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 - 25.67000	1300.0 – 1427.0	8.025 - 8.500
4.17725 – 4.17775	37.50000 - 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 - 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 - 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 - 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 - 138.00000	2200.0 - 2300.0	14.470 – 14.500
8.29100 - 8.29400	149.90000 - 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 - 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 - 8.38675	156.70000 - 156.90000	2655.0 - 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 - 167.17000	3260.0 - 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 - 173.20000	3332.0 - 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 - 285.00000	3345.8 - 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 - 335.40000	3600.0 - 4400.0	Above 38.6
13.36000 – 13.41000			

^{**:} Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz

11.1. Labeling Requirement

The device shall bear the following statement in a conspicuous location on the device:

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Cerpass Technology (Suzhou) Co., Ltd

Tel: 86-512-6917-5888 Fax: 86-512-6917-5666

Issued date : Mar. 14, 2014

Page No. : 44 of 44

FCC ID : 2ABX8SH-000000001