## FCC REPORT

Applicant: SiCon Design Technologies Pvt. Ltd

Address of Applicant: 4th floor, Sri Narayani Arcade 321-247/7-3-4, Kundalahalli, ITPL

Main Road, Brooke Field, Bangalore 560037

**Equipment Under Test (EUT)** 

Product Name: stab

Model No.: SIC97WF01

FCC ID: QLOSIC97WF01

Applicable standards: FCC CFR Title 47 Part 15 Subpart B: 2011

Date of sample receipt: 08 Oct., 2012

**Date of Test:** 09 Oct., to 08 Nov., 2012

Date of report issued: 12 Nov., 2012

Test Result: Pass \*

Authorized Signature:



Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. 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.

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 90 days only.

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.



## 2 Version

Version No.	Date	Description
00	12 Nov., 2012	Original

Prepared By: Date: 12 Nov., 2012

Ĕngineeri#g ADM

Check By: Date: 12 Nov., 2012

Project Engineer

# CCIS

## Report No: CCIS12090019002

## 3 Contents

		Pa	age							
1	COV	/ER PAGE	1							
2	VFR	VERSION2								
3	CON	NTENTS	3							
4	TES	T SUMMARY	4							
5	GEN	NERAL INFORMATION	5							
•	5.1	CLIENT INFORMATION								
	5.2	GENERAL DESCRIPTION OF E.U.T.								
	5.3	OPERATING MODES								
	5.4	DESCRIPTION OF SUPPORT UNITS								
	5.5	DEVIATION FROM STANDARDS								
	5.6	ABNORMALITIES FROM STANDARD CONDITIONS								
	5.7	OTHER INFORMATION REQUESTED BY THE CUSTOMER								
	5.8	Test Facility								
	5.9	TEST LOCATION								
6	TES	T INSTRUMENTS LIST	7							
7	TES	T RESULTS AND MEASUREMENT DATA	8							
	7.1	CONDUCTED EMISSIONS	8							
	7.2	RADIATED EMISSION								
8	TES	T SETUP PHOTO	17							
9	EUT	CONSTRUCTIONAL DETAILS	18							

Telephone: +86 (0) 75s5 2311 8282 Fax: +86 (0) 755 2311 6366

Project No.: CCIS120900190RF



Project No.: CCIS120900190RF

## 4 Test Summary

Test Item	Section in CFR 47	Result		
Conducted Emission	Part15.107	Pass		
Readiated Emissions	Part15.109	Pass		

Pass: The EUT complies with the essential requirements in the standard.

Telephone: +86 (0) 75s5 2311 8282 Fax: +86 (0) 755 2311 6366 Page 4 of 18



Project No.: CCIS120900190RF

## 5 General Information

## 5.1 Client Information

Applicant:	SiCon Design Technologies Pvt. Ltd		
Address of Applicant:	4th floor, Sri Narayani Arcade 321-247/7-3-4, Kundalahalli, ITPL Main Road, Brooke Field, Bangalore 560037		
Manufacturer/ Factory:	SiCon Design Technologies Pvt. Ltd		
Address of Manufacturer/ Factory:	4th floor, Sri Narayani Arcade 321-247/7-3-4, Kundalahalli, ITPL Main Road, Brooke Field, Bangalore 560037		

## 5.2 General Description of E.U.T.

Product Name:	stab
Model No.:	SIC97WF01
AC adapter:	Model: ZB-01-5020US
	Input: AC 100-240V~50/60Hz 0.5A MAX
	Output: DC 5.0V 2.0A
Power supply:	DC 3.7V Li-ion battery

## 5.3 Operating Modes

Operating mode	Detail description			
Memory Play mode :	Keep the EUT in memory video Play mode			
Downloading mode :	Keep the EUT in exchange data with PC by Mini SD and Memory			
SD Play mode :	Keep the EUT in Mini SD video Play mode			
Recording mode:	Keep the EUT in Recording mode.			
Camera Mode :	Keep the EUT in Camera mode.			
Pre-scan all modes above menthioned, the downloading mode was the worst case mode which has been shown in this				
report.				

Telephone: +86 (0) 75s5 2311 8282 Fax: +86 (0) 755 2311 6366 Page 5 of 18



## 5.4 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
HP	Printer	P1007	VNFP409729	DoC
HP	PC	Pro 2000MT	Pro 2000MT N/A	
HP	MONITOR	CompaqLE1851WL	515682-070	DoC
HP	HP KEYBOARD		434820-AA2	DoC
HP	HP MOUSE		N/A	DoC
Kingston	Kingston micro SD		N/A	N/A

#### 5.5 Deviation from Standards

None

#### 5.6 Abnormalities from Standard Conditions

None.

## 5.7 Other Information Requested by the Customer

None.

### 5.8 Test Facility

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

## ● FCC —Registration No.: 817957

China Certification & Inspection 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 out files. Registration 817957, February 27, 2012

### ● Industry Canada (IC)

The 3m Semi-anechoic chamber of China Certification & Inspection Services Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

#### 5.9 Test Location

All tests were performed at:

China Certification & Inspection Services Co., Ltd.

Address: 1st Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen,

China

Tel: 0755-23118282 Fax: 0755-23116366

China Certification & Inspection Services Co., Ltd.
1st Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China 518102

Telephone: +86 (0) 75s5 2311 8282 Fax: +86 (0) 755 2311 6366 Page 6 of 18



## 6 Test Instruments list

Radia	Radiated Emission:								
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (dd-mm-yy)	Cal.Due date (dd-mm-yy)			
1	3m Semi- Anechoic Chamber	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	June 09 2012	June 08 2013			
2	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	CCIS0005	June 04 2012	June 03 2013			
3	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA9120D	CCIS0006	May 30 2012	May 29 2013			
4	EMI Test Software	AUDIX	E3	N/A	N/A	N/A			
5	Coaxial Cable	CCIS	N/A	CCIS0016	Apr. 01 2012	Mar. 31 2013			
6	Coaxial Cable	CCIS	N/A	CCIS0017	Apr. 01 2012	Mar. 31 2013			
7	Coaxial cable	CCIS	N/A	CCIS0018	Apr. 01 2012	Mar. 31 2013			
8	Coaxial Cable	CCIS	N/A	CCIS0019	Apr. 01 2012	Mar. 31 2013			
9	Coaxial Cable	CCIS	N/A	CCIS0087	Apr. 01 2012	Mar. 31 2013			
10	Amplifier(10kHz- 1.3GHz)	HP	8447D	CCIS0003	Apr. 01 2012	Mar. 31 2013			
11	Amplifier(1GHz- 18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	June 09 2012	June 08 2013			
12	Pre-amplifier		AFS33-18002 650-30-8P-44	GTS218	Apr. 01 2012	Mar. 31 2013			
13	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 30 2012	Mar. 29 2013			
14	EMI Test Receiver	Rohde & Schwarz	ESPI	CCIS0022	Apr 01 2012	Mar. 31 2013			
15	Spectrum analyzer	Rohde & Schwarz	FSP	CCIS0023	May 29 2012	May 29 2013			

Cond	Conducted Emission:										
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (dd-mm-yy)	Cal.Due date (dd-mm-yy)					
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	June 09 2012	June 08 2013					
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	May 25 2012	May 25 2013					
3	LISN	CHASE	MN2050D	CCIS0074	Apr 01 2012	Mar. 31 2013					
4	Coaxial Cable	CCIS	N/A	CCIS0086	Apr. 01 2012	Mar. 31 2013					
5	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	June 09 2012	June 08 2013					
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A					

Telephone: +86 (0) 75s5 2311 8282 Fax: +86 (0) 755 2311 6366 Page 7 of 18



Project No.: CCIS120900190RF

## 7 Test results and Measurement Data

## 7.1 Conducted Emissions

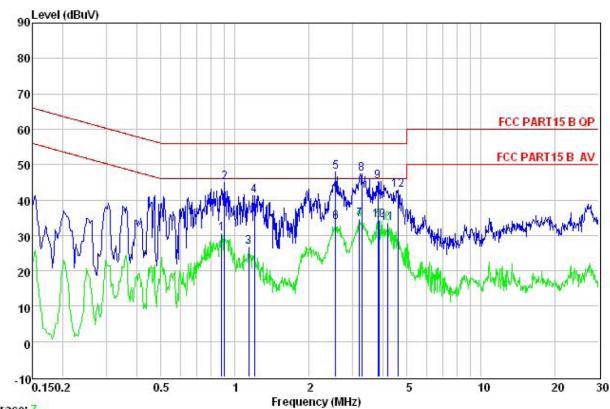
Test Requirement:	FCC Part15 B Section 15.107							
Test Method:	ANSI C63.4:2003							
Test Frequency Range:	150kHz to 30MHz							
Class / Severity:	Class B							
Receiver setup:	RBW=9kHz, VBW=30kHz	RBW=9kHz, VBW=30kHz						
Limit:		Limit (dBµV)						
	Frequency range (MHz)  Quasi-peak  Average							
	0.15-0.5	66 to 56*	56 to 46*					
	0.5-5 56 46							
	0.5-30	60	50					
Test setup:	Reference Plane		_					
Test procedure	AUX Equipment E.U.T  Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m  1. The E.U.T and simulators are	•	ower through a line					
	impedance stabilization network impedance for the measuring of the peripheral devices are als that provides a 50ohm/50uH of (Please refers to the block diagonal form).	equipment. o connected to the main oupling impedance with 5	power through a LISN 00hm termination.					
	Both sides of A.C. line are che order to find the maximum emi of the interface cables must be conducted measurement.	ssion, the relative position changed according to A	ns of equipment and all					
Test environment:	Temp.: 25 °C Humio	d.: 52% Pres	ss.: 1 012mbar					
Measurement Record:			Uncertainty: 3.28dB					
Test Instruments:	Refer to section 6 for details							
Test mode:	Refer to section 5.3							
Test results:	Pass							

Telephone: +86 (0) 75s5 2311 8282 Fax: +86 (0) 755 2311 6366 Page 8 of 18



#### Measurement data:

Line:



Trace: 7

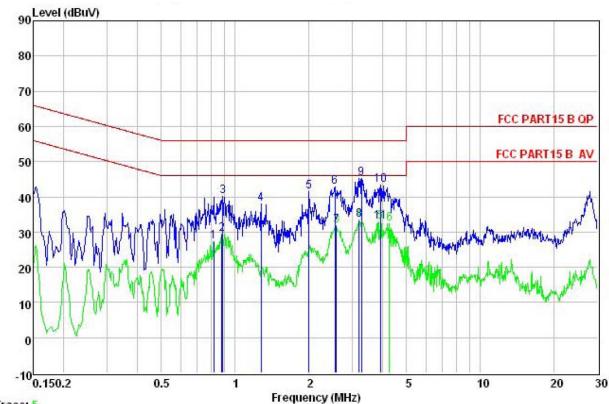
Site : CCIS Conducted Test Site Condition : FCC PART15 B QP LISN LINE

Job NO. : 190RF Test Mode : PC mode Test engieer: Joe

lest	engleer: J	oe						
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	āĒu₹	<u>dB</u>		—dBu₹	dBu₹	<u>ab</u>	
1	0.880	19.38	10.20	0.84	30.42	46.00	-15.58	Average
2	0.904	33.88	10.20	0.85	44.93	56.00	-11.07	Peak
2	1.135	15.79	10.22	0.78	26.79	46.00	-19.21	Average
4	1.197	30.36	10.23	0.73	41.32	56.00	-14.68	Peak
4 5 6	2.567	36.62	10.28	0.94	47.84	56.00	-8.16	Peak
	2.567	22.54	10.28	0.94	33.76	46.00	-12.24	Average
7 8 9	3.207	23.25	10.29	0.91	34.45	46.00	-11.55	Average
8	3.276	36.25	10.29	0.90	47.44	56.00	-8.56	Peak
9	3.799	34.14	10.29	0.89	45.32	56.00	-10.68	Peak
10	3.840	23.09	10.29	0.89	34.27	46.00	-11.73	Average
11	4.180	22.20	10.29	0.89	33.38	46.00	-12.62	Average
12	4.598	31.62	10.29	0.88	42.79	56.00	-13.21	Peak



#### Neutral:



Trace: 5

: CCIS Conducted Test Site : FCC PART15 B QP LISN NEUTRAL : 190RF Site Condition

Job NO. Test Mode : PC mode Test engieer: Joe

oretroor. 2	~~						
Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
MHz	dBu∜	dB	₫B	dBu₹	dBu∜	<u>dB</u>	
0.817	16.24	10.18	0.81	27.23	46.00	-18.77	Average
0.880	18.29	10.19	0.84	29.32	46.00	-16.68	Average
0.890	28.98	10.19	0.84	40.01	56.00	-15.99	Peak
1.276	27.00	10.22	0.65	37.87	56.00	-18.13	Peak
2.001	30.21	10.27	0.96	41.44	56.00	-14.56	Peak
2.554	31.51	10.27	0.94	42.72	56.00	-13.28	Peak
2.581	20.50	10.27	0.94	31.71	46.00	-14.29	Average
3.207	22.23	10.28	0.91	33.42	46.00	-12.58	Average
3.276	34.10	10.28	0.90	45.28	56.00	-10.72	Peak
3.901	32.19	10.28	0.89	43.36	56.00	-12.64	Peak
3.901	21.62	10.28	0.89	32.79			
	Freq 0.817 0.880 0.890 1.276 2.001 2.554 2.581 3.207 3.276 3.901	Freq Level  MHz dBuV  0.817 16.24 0.880 18.29 0.890 28.98 1.276 27.00 2.001 30.21 2.554 31.51 2.581 20.50 3.207 22.23 3.276 34.10 3.901 32.19	Read LISN Freq Level Factor  MHz dBuV dB  0.817 16.24 10.18 0.880 18.29 10.19 0.890 28.98 10.19 1.276 27.00 10.22 2.001 30.21 10.27 2.554 31.51 10.27 2.581 20.50 10.27 3.207 22.23 10.28 3.276 34.10 10.28 3.901 32.19 10.28	Read LISN Cable Freq Level Factor Loss    MHz   dBuV   dB   dB	Read LISN Cable Level Factor Loss Level  MHz dBuV dB dB dB dBuV  0.817 16.24 10.18 0.81 27.23 0.880 18.29 10.19 0.84 29.32 0.890 28.98 10.19 0.84 40.01 1.276 27.00 10.22 0.65 37.87 2.001 30.21 10.27 0.96 41.44 2.554 31.51 10.27 0.96 41.44 2.554 31.51 10.27 0.94 42.72 2.581 20.50 10.27 0.94 31.71 3.207 22.23 10.28 0.91 33.42 3.276 34.10 10.28 0.90 45.28 3.901 32.19 10.28 0.89 43.36	Read   LISN   Cable   Limit   Level   Factor   Loss   Level   Line	Read   LISN   Cable   Limit   Over   Level   Factor   Loss   Level   Line   Limit

## Notes:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

China Certification & Inspection Services Co., Ltd. 1st Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China 518102

Project No.: CCIS120900190RF



## 7.2 Radiated Emission

1.2 Radiated Ellission								
Test Requirement:	FCC Part15 B Section 15.109							
Test Method:	ANSI C63.4:2003							
Test Frequency Range:	30MHz to 6000MHz							
Test site:	Measurement Dis	Measurement Distance: 3m (Semi-Anechoic Chamber)						
Receiver setup:	Frequency							
	30MHz-1GHz	Quasi-peak	100kHz	300kHz	Quasi-peak Value			
	Above 1GHz	Peak	1MHz	3MHz	Peak Value			
		Peak	1MHz	10Hz	Average Value			
Limit:	Freque		Limit (dBuV/		Remark			
	30MHz-8		40.0		Quasi-peak Value			
	88MHz-2		43.5		Quasi-peak Value			
	216MHz-9		46.0		Quasi-peak Value			
	960MHz-	·1GHz	54.0		Quasi-peak Value			
	Above 1	GHz	54.0		Average Value			
			74.0	)	Peak Value			
Test setup:	Ground Plane —  Above 1GHz	Sm Im	Si	Antenna Tower  Search Antenna  RF Test Receiver  Antenna Tower  Antenna Tower  Antenna Tower  Amplifier				



Project No.: CCIS120900190RF

Test Procedure:	The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.							
	2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.							
	3. 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.							
	4. For each suspected emission, the EUT was arranged to its worst case and 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.							
	The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.							
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.							
Test environment:	Temp.: 25 °C Humid.: 52% Press.: 1 012mbar							
Measurement Record:	Uncertainty: 4.88dB							
Test Instruments:	Refer to section 6 for details							
Test mode:	Refer to section 5.3							
Test results:	Pass							

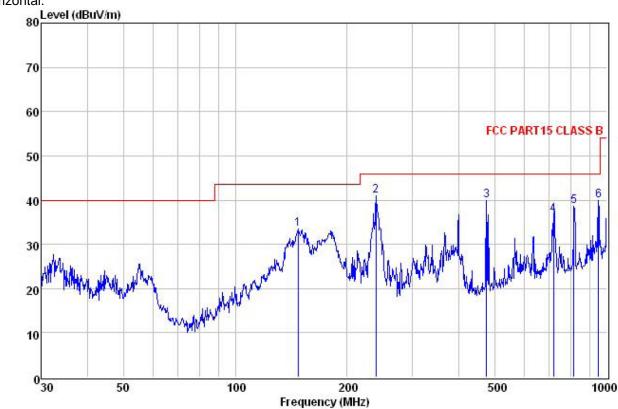
## **Measurement Data**

Telephone: +86 (0) 75s5 2311 8282 Fax: +86 (0) 755 2311 6366 Page 12 of 18



#### **Below 1G**

Horizontal:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(2012.4.1) HORIZONTAL : 190RF Condition

Job No. Test mode : PC : Test Engineer: Joe : PC mode

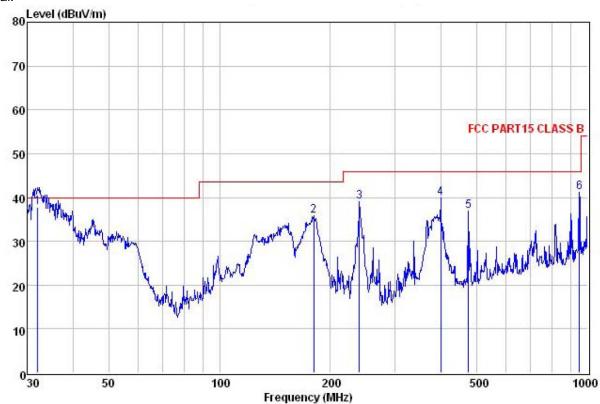
rugineer.		Intenna	Cable	Preamn		Limit	Over	
Freq					Level			Remark
MHz	dBu∀	<u>dB</u> /m	<u>dB</u>	<u>dB</u>	$\overline{dBuV/m}$	dBuV/m	<u>dB</u>	
147.404	51.91	8.24	2.49	29.26	33.38	43.50	-10.12	QP
239.147	55.68	12.04	2.82	29.64	40.90	46.00	-5.10	QP
473.835	50.99	15.95	3.40	30.52	39.82	46.00	-6.18	QP
719.200	44.01	19.05	4.25	30.56	36.75	46.00	-9.25	QP
815.968	44.40	20.24	4.30	30.36	38.58	46.00	-7.42	QP
948.761	44.33	21.40	4.20	29.94	39.99	46.00	-6.01	QP
	Freq MHz 147.404 239.147 473.835 719.200 815.968	Freq Level  MHz dBuV  147.404 51.91 239.147 55.68 473.835 50.99 719.200 44.01 815.968 44.40	ReadAntenna Freq Level Factor  MHz dBuV dB/m  147.404 51.91 8.24 239.147 55.68 12.04 473.835 50.99 15.95 719.200 44.01 19.05 815.968 44.40 20.24	ReadAntenna Cable Freq Level Factor Loss  MHz dBuV dB/m dB  147.404 51.91 8.24 2.49 239.147 55.68 12.04 2.82 473.835 50.99 15.95 3.40 719.200 44.01 19.05 4.25 815.968 44.40 20.24 4.30	ReadAntenna Cable Preamp Loss Factor  MHz dBuV dB/m dB dB  147.404 51.91 8.24 2.49 29.26 239.147 55.68 12.04 2.82 29.64 473.835 50.99 15.95 3.40 30.52 719.200 44.01 19.05 4.25 30.56 815.968 44.40 20.24 4.30 30.36	ReadAntenna Cable Preamp Level Factor Loss Factor Level  MHz dBuV dB/m dB dB dBuV/m  147.404 51.91 8.24 2.49 29.26 33.38 239.147 55.68 12.04 2.82 29.64 40.90 473.835 50.99 15.95 3.40 30.52 39.82 719.200 44.01 19.05 4.25 30.56 36.75 815.968 44.40 20.24 4.30 30.36 38.58	ReadAntenna   Cable Preamp   Limit   Level Factor   Level Line   Level Line   Level Factor   Level Factor   Level Line   Level Factor   Level Line   Level Factor   Level Factor   Level Factor   Level Factor   Level Line   Level Factor   Level Fact	ReadAntenna   Cable Preamp   Limit   Over   Level   Line   Limit   L

Project No.: CCIS120900190RF

Telephone: +86 (0) 75s5 2311 8282 Fax: +86 (0) 755 2311 6366 Page 13 of 18



## Vertical:



Site Condition : 3m chamber : FCC PART15 CLASS B 3m VULB9163(2012.4.1) VERTICAL

: 190RF Job No. Test mode : PC mode Test Engineer: Joe

	Trib Trio or .								
	Freq		Antenna Factor				Limit Line	Over Limit	
	MHz	dBu∇	<u>dB</u> /m	dB	dB	dBuV/m	$\overline{dBuV/m}$	<u>d</u> B	
1	32.067	51.10	12.32	0.85	26.50	37.77	40.00	-2.23	QP
2	180.017	49.82	9.68	2.73	26.51	35.72	43.50	-7.78	QP
3	239.987	53.78	12.09	2.82	29.64	39.05	46.00	-6.95	QP
4	399.030	51.55	15.06	3.08	29.89	39.80	46.00	-6.20	QP
5	473.835	48.15	15.95	3.40	30.52	36.98	46.00	-9.02	QP
6	948.761	45.54	21.40	4.20	29.94	41.20	46.00	-4.80	QP

Telephone: +86 (0) 75s5 2311 8282 Fax: +86 (0) 755 2311 6366

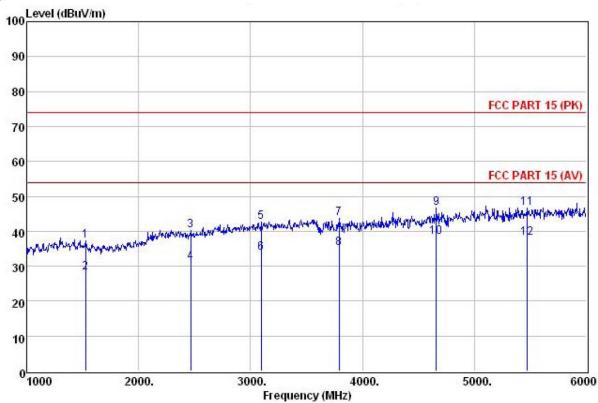
Project No.: CCIS120900190RF

Page 14 of 18



#### Above 1G

Vertical:



Site

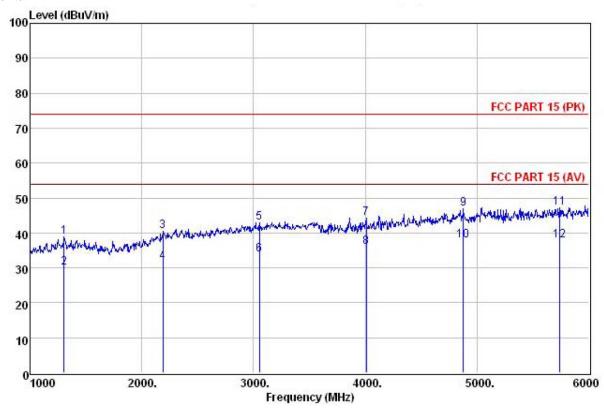
: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(>1GHZ) HORIZONTAL Condition

: 190RF Job NO. Test mode : Test Engineer: : PC mode

lest	Engineer:	Joe							
	Freq		Antenna Factor		Preamp Factor		Limit Line	Over Limit	Remark
	MHz	dBu∇			<u>dB</u>	$\overline{dBuV/m}$	$\overline{dBuV/m}$	<u>db</u>	
1	1525.000	33.42	25.17	3.02	24.43	37.18	74.00	-36.82	Peak
2	1525.000	24.48	25.17	3.02	24.43	28.24	54.00	-25.76	Average
3	2465.000	39.45	27.49	3.87	30.50	40.31	74.00	-33.69	Peak
4 5 6	2465.000	30.32	27.49	3.87	30.50	31.18	54.00	-22.82	Average
5	3095.000	39.18	28.70	4.47	29.62	42.73	74.00	-31.27	Peak
	3095.000	30.25	28.70	4.47	29.62	33.80	54.00	-20.20	Average
7	3790.000	36.34	29.52	5.12	27.18	43.80	74.00	-30.20	Peak
8	3790.000	27.61	29.52	5.12	27.18	35.07	54.00	-18.93	Average
	4660.000	33.99	31.17	5.77	24.33	46.60	74.00	-27.40	Peak
10	4660.000	25.86	31.17	5.77	24.33	38.47	54.00	-15.53	Average
11	5475.000	32.28	32.01	6.27	23.81	46.75	74.00	-27.25	Peak
12	5475.000	23.58	32.01	6.27	23.81	38.05	54.00	-15.95	Average



#### Horizontal:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(>1GHZ) VERTICAL Condition

: 190RF Job NO. Test mode Test Engir PC mode

lest	Engineer:	Joe							
	Freq		Antenna Factor		Preamp Factor		Limit Line	Over Limit	Remark
	MHz	₫₿u₹	dB/m	₫B	dB	$\overline{dBuV/m}$	dBu√/m	dB	
1	1305.000	30.69	25.58	2.75	20.04	38.98	74.00	-35.02	Peak
2	1305.000	21.85	25.58	2.75	20.04	30.14	54.00	-23.86	Average
2	2190.000	39.49	27.95	3.66	30.71	40.39	74.00	-33.61	Peak
4 5 6	2190.000	30.61	27.95	3.66	30.71	31.51	54.00	-22.49	Average
5	3055.000	39.60	28.65	4.42	29.74	42.93	74.00	-31.07	Peak
6	3055.000	30.39	28.65	4.42	29.74	33.72	54.00	-20.28	Average
7	4010.000	35.70	29.86	5.29	26.65	44.20	74.00	-29.80	Peak
8	4010.000	27.48	29.86	5.29	26.65	35.98	54.00	-18.02	Average
9	4880.000	33.45	31.58	5.91	24.01	46.93	74.00	-27.07	Peak
10	4880.000	24.21	31.58	5.91	24.01	37.69	54.00	-16.31	Average
11	5740.000	32.27	32.34	6.41	23.85	47.17	74.00	-26.83	Peak
12	5740.000	22.95	32.34	6.41	23.85	37.85	54.00	-16.15	Average

#### Remark:

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

China Certification & Inspection Services Co., Ltd. 1st Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China 518102

Project No.: CCIS120900190RF