

SPORTON International Inc.

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FCC RADIO TEST REPORT

Applicant's company	Belkin International, Inc.	
Applicant Address	12045 East Waterfront Drive, Playa Vista, CA 90094	
FCC ID	K7SF9K1117V2	

Product Name	AC1200 DB Wi-Fi Dual-Band AC+ Gigabit Router	
Brand Name	belkin	
Model No.	F9K1113v5	
Test Rule Part(s)	47 CFR FCC Part 15 Subpart C § 15.247	
Test Freq. Range	2400 ~ 2483.5MHz	
Received Date	Feb. 29, 2016	
Final Test Date	May 17, 2016	
Submission Type	Class II Change	

Statement

Test result included is only for the IEEE 802.11b/g, IEEE 802.11n of the product.

The test result in this report refers exclusively to the presented test model / sample.

Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.

The measurements and test results shown in this test report were made in accordance with the procedures and found in compliance with the limit given in ANSI C63.10-2013, 47 CFR FCC Part 15 Subpart C, KDB558074 D01 v03r05, KDB 662911 D01 v02r01.

The test equipment used to perform the test is calibrated and traceable to NML/ROC.







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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR4N1172-27AA	Rev. 01	Initial issue of report	Jun. 08, 2016



Project No: CB10505255

1. VERIFICATION OF COMPLIANCE

Product Name: AC1200 DB Wi-Fi Dual-Band AC+ Gigabit Router

Brand Name : belkin

Model No. : F9K1113v5

Applicant: Belkin International, Inc.

Test Rule Part(s): 47 CFR FCC Part 15 Subpart C § 15.247

Sporton International as requested by the applicant to evaluate the EMC performance of the product sample received on Feb. 29, 2016 would like to declare that the tested sample has been evaluated and found to be in compliance with the tested rule parts. The data recorded as well as the test configuration specified is true and accurate for showing the sample's EMC nature.

Sam Chen

SPORTON INTERNATIONAL INC.

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2. SUMMARY OF THE TEST RESULT

	Applied Standard: 47 CFR FCC Part 15 Subpart C					
Part Rule Section Description of Test Result Under						
4.1	15.207	AC Power Line Conducted Emissions	Complies	12.10 dB		
4.2	15.247(d)	Radiated Emissions	Complies	6.13 dB		
4.3	15.203	Antenna Requirements	Complies	-		

3. GENERAL INFORMATION

3.1. Product Details

Items	Description
Product Type	IEEE 802.11b/g: WLAN (1TX, 1RX)
	IEEE 802.11n: WLAN (2TX, 2RX)
Radio Type	Intentional Transceiver
Power Type	From power adapter
Modulation	IEEE 802.11b: DSSS
	IEEE 802.11g: OFDM
	IEEE 802.11n: see the below table
Data Modulation	IEEE 802.11b: DSSS (BPSK / QPSK / CCK)
	IEEE 802.11g/n: OFDM (BPSK / QPSK / 16QAM / 64QAM)
Data Rate (Mbps)	IEEE 802.11b: DSSS (1/ 2/ 5.5/11)
	IEEE 802.11g: OFDM (6/9/12/18/24/36/48/54)
	IEEE 802.11n: see the below table
Frequency Range	2400 ~ 2483.5MHz
Channel Number	11 for 20MHz bandwidth ; 7 for 40MHz bandwidth
Carrier Frequencies	Please refer to section 3.4
Antenna	Please refer to section 3.3

Items	Description	
Beamforming Function	☐ With beamforming	

Antenna and Band width

Antenna	Single	(TX) Two ((ТХ)
Band width Mode	20 MHz	40 MHz	20 MHz	40 MHz
IEEE 802.11b	V	Х	Х	Х
IEEE 802.11g	V	Х	Х	Х
IEEE 802.11n	Х	Х	V	V

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IEEE 802.11n/ac Spec.

Protocol	Number of Transmit Chains (NTX)	Data Rate / MCS
802.11n (HT20)	2	MC\$0-15
802.11n (HT40)	2	MC\$0-15

Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 (HT: High Throughput).

Then EUT supports HT20 and HT40.

Note 3: Modulation modes consist of below configuration:

HT20/HT40: IEEE 802.11n.

3.2. Accessories

Power	Brand	Model	Rating
Adapter	LEI	MU18A2120150-A1	Input: 100-240V ~ 50/60Hz, 0.5A Output: 12V, 1.5A

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3.3. Table for Filed Antenna

Ant.	Brand	Model Name Antenna Type		Connector	Gain	(dBi)
Λι II.	bialia	Wiodel Name	Allellia type	Comecion	2.4GHz	5GHz
1	SERCOM	AC1200	PCB Antenna	I-PEX	3.71	4.03
2	SERCOM	AC1200	PCB Antenna	I-PEX	3.69	4.11

Note: The EUT has two Antennas.

<For 2.4GHz Band>

For IEEE 802.11b/g mode (1TX/1RX):

Only Chain 1 can be used as transmitting/receiving antenna.

For IEEE 802.11n mode (2TX/2RX):

Both Chain 1 and Chain 2 could transmit/receive simultaneously.

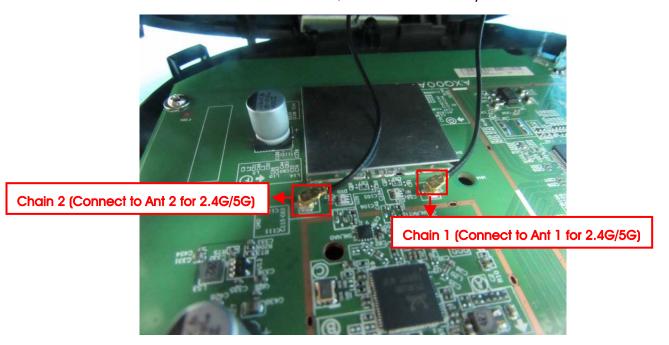
<For 5GHz Band>

For IEEE 802.11a mode (1TX/1RX):

Only Chain 1 can be used as transmitting/receiving antenna.

For IEEE 802.11n/ac mode (2TX/2RX):

Both Chain 1 and Chain 2 could transmit/receive simultaneously.



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3.4. Table for Carrier Frequencies

There are two bandwidth systems.

For 20MHz bandwidth systems, use Channel 1~Channel 11.

For 40MHz bandwidth systems, use Channel $3\sim$ Channel 9.

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
	1	2412 MHz	7	2442 MHz
	2	2417 MHz	8	2447 MHz
2400 2482 EMU-	3	2422 MHz	9	2452 MHz
2400~2483.5MHz	4	2427 MHz	10	2457 MHz
	5	2432 MHz	11	2462 MHz
	6	2437 MHz	-	-



3.5. Table for Test Modes

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode	Data Rate	Channel	Chain
AC Power Line Conducted Emissions	Normal Link	-	-	-
Radiated Emissions Below 1GHz	Normal Link	-	-	-

Note: he EUT can only be used at standing position.

The following test modes were performed for all tests:

For Co-location MPE Test:

The EUT could be applied with 2.4GHz WLAN function, 5GHz WLAN function; therefore Co-location Maximum Permissible Exposure (Please refer to FA4N1172-27) test is added for simultaneously transmit between 2.4GHz WLAN function, 5GHz WLAN function.

3.6. Table for Testing Locations

Test Site Location							
Address:	No.8, L	ane 724, Bo-ai St., Jh	ubei City, Hsinchu C	ounty 302, Taiwan, R.	O.C.		
TEL:	886-3-	656-9065					
FAX:	886-3-	656-9085					
Test Site	Test Site No. Site Category Location FCC Designation No. IC File No.						
03CH01-CB SAC Hsin Chu TW0006 IC 4086D				IC 4086D			
CO01-	СВ	Conduction	Hsin Chu	TW0006	IC 4086D		

Open Area Test Site (OATS); Semi Anechoic Chamber (SAC).

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3.7. Table for Class II Change

This product is an extension of original one reported under Sporton project number: FR2O2519-03AA Below is the table for the change of the product with respect to the original one.

	Modifications	Performance Checking
2.	Updating product information as below: a. Brand Name from "Belkin" to "belkin". b. Model No. from "F9K1113v4" to "F9K1113v5". c. Address from "12045 East Waterfront Drive Playa Vista California 90094 United States" to "12045 East Waterfront Drive, Playa Vista, CA90094". Removing an accessories is RJ-45 Cable*1, Non-Shielded, 1.2m.	Do not effect the test results.
3. 4.	Adding an adapter (Model No.: MU18A2120150-A1) Changing the flash memory.	AC Power Line Conducted Emissions Radiated Emissions Below 1GHz

3.8. Table for Supporting Units

For Test Site No: 03CH01-CB

Support Unit	port Unit Brand Model		FCC ID
NB*4	DELL	E4300	DoC
Flash Disk	Silicon Power	I-Series	DoC

For Test Site No: CO01-CB

Support Unit	Brand	Model	FCC ID
NB*4	DELL	E6430	DoC
Flash Disk	Silicon Power	I-Series	DoC

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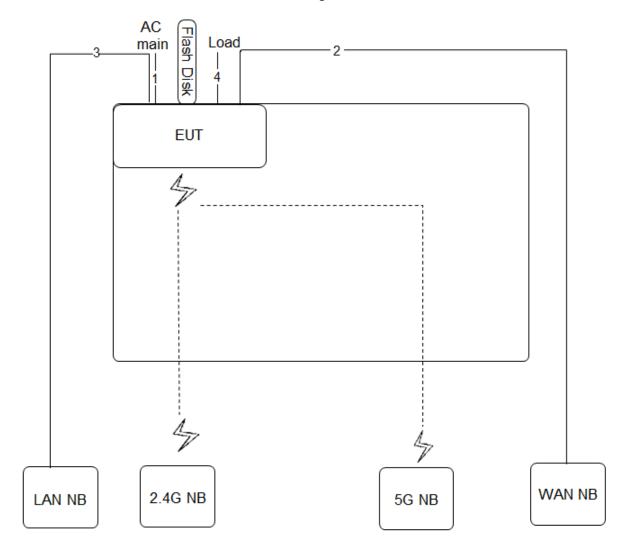
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3.9. Test Configurations

3.9.1. AC Power Line Conduction Emissions Test Configuration

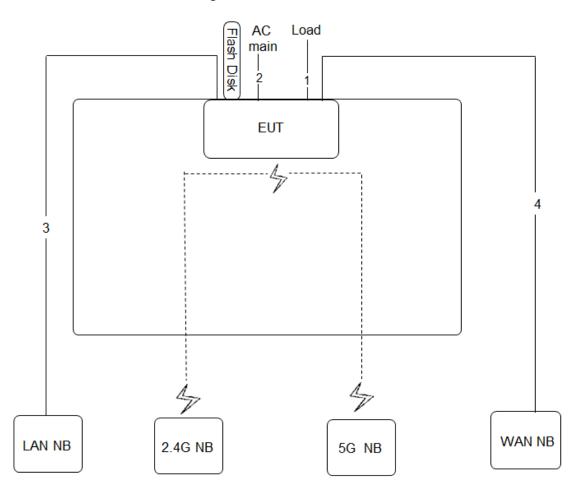


Item	Connection	Shielded	Length
1	Power cable No		1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	RJ-45 cable*3	No	1.5m





3.9.2. Radiation Emissions Test Configuration



Item	Connection	Shielded	Length
1	RJ-45 cable*3	No	1.5m
2	Power cable	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	10m

4. TEST RESULT

4.1. AC Power Line Conducted Emissions Measurement

4.1.1. Limit

For this product which is designed to be connected to the AC power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed below limits table.

Frequency (MHz)	QP Limit (dBuV)	AV Limit (dBuV)
0.15~0.5	66~56	56~46
0.5~5	56	46
5~30	60	50

4.1.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of the receiver.

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

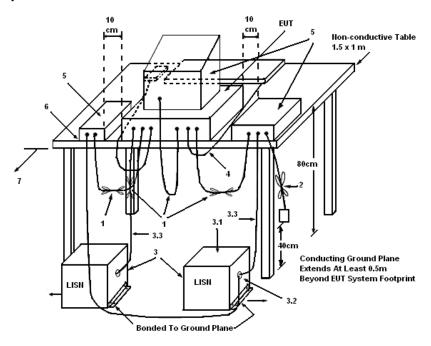
4.1.3. Test Procedures

- Configure the EUT according to ANSI C63.10. The EUT or host of EUT has to be placed 0.4 meter far
 from the conducting wall of the shielding room and at least 80 centimeters from any other
 grounded conducting surface.
- 2. Connect EUT or host of EUT to the power mains through a line impedance stabilization network (LISN).
- 3. All the support units are connected to the other LISNs. The LISN should provide 50uH/50ohms coupling impedance.
- 4. The frequency range from 150 kHz to 30 MHz was searched.
- 5. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 6. The measurement has to be done between each power line and ground at the power terminal.

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4.1.4. Test Setup Layout



LEGEND:

- (1) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- (2) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- (3) EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω . LISN can be placed on top of, or immediately beneath, reference ground plane.
- (3.1) All other equipment powered from additional LISN(s).
- (3.2) Multiple outlet strip can be used for multiple power cords of non-EUT equipment.
- (3.3) LISN at least 80 cm from nearest part of EUT chassis.
- (4) Cables of hand-operated devices, such as keyboards, mice, etc., shall be placed as for normal use.
- (5) Non-EUT components of EUT system being tested.
- (6) Rear of EUT, including peripherals, shall all be aligned and flush with rear of tabletop.
- (7) Rear of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.

4.1.5. Test Deviation

There is no deviation with the original standard.

4.1.6. EUT Operation during Test

The EUT was placed on the test table and programmed in normal function.

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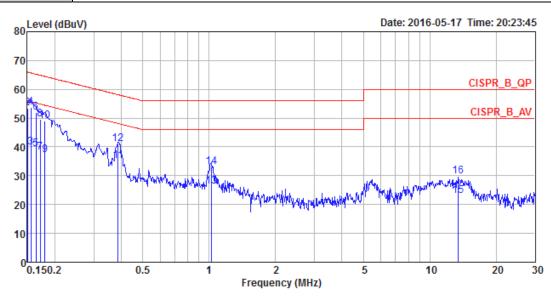
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4.1.7. Results of AC Power Line Conducted Emissions Measurement

Temperature	22°C	Humidity	66%
Test Engineer	Deven Huang	Phase	Line
Configuration	Normal Link		



			Over	Limit	Kead	LTZM	cable		
	Freq	Level	Limit	Line	Level	Factor	Loss	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	39.87	-16.13	56.00	29.83	10.02	0.02	LINE	Average
2	0.1500	53.32	-12.68	66.00	43.28	10.02	0.02	LINE	QP
3	0.1557	39.72	-15.97	55.69	29.68	10.02	0.02	LINE	Average
4	0.1557	53.59	-12.10	65.69	43.55	10.02	0.02	LINE	QP
5	0.1641	39.20	-16.05	55.25	29.16	10.02	0.02	LINE	Average
6	0.1641	51.87	-13.38	65.25	41.83	10.02	0.02	LINE	QP
7	0.1712	37.94	-16.96	54.90	27.90	10.02	0.02	LINE	Average
8	0.1712	49.67	-15.23	64.90	39.63	10.02	0.02	LINE	QP
9	0.1806	37.31	-17.15	54.46	27.37	9.92	0.02	LINE	Average
10	0.1806	48.93	-15.53	64.46	38.99	9.92	0.02	LINE	QP
11	0.3872	35.24	-12.88	48.12	25.28	9.92	0.04	LINE	Average
12	0.3872	41.14	-16.98	58.12	31.18	9.92	0.04	LINE	QP
13	1.0211	26.20	-19.80	46.00	16.21	9.94	0.05	LINE	Average
14	1.0211	33.00	-23.00	56.00	23.01	9.94	0.05	LINE	QP
15	13.4080	23.12	-26.88	50.00	12.67	10.20	0.25	LINE	Average
16	13.4080	29.85	-30.15	60.00	19.40	10.20	0.25	LINE	QP

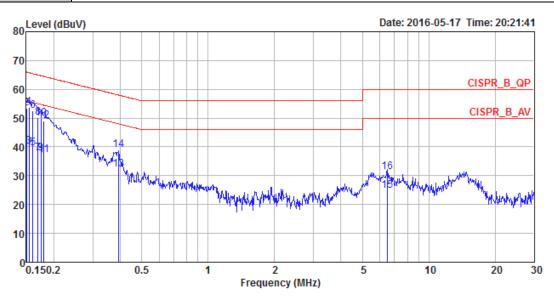
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Temperature	22°C	Humidity	66%
Test Engineer	Deven Huang	Phase	Neutral
Configuration	Normal Link		



			0ver	Limit	Read	LISN	Cable		
	Freq	Level	Limit	Line	Level	Factor	Loss	Pol/Phase	Remark
-	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.1500	39.76	-16.24	56.00	29.72	10.02	0.02	NEUTRAL	Average
2	0.1500	53.34	-12.66	66.00	43.30	10.02	0.02	NEUTRAL	QP
3	0.1540	40.25	-15.53	55.78	30.21	10.02	0.02	NEUTRAL	Average
4	0.1540	53.64	-12.14	65.78	43.60	10.02	0.02	NEUTRAL	QP
5	0.1607	39.54	-15.89	55.43	29.50	10.02	0.02	NEUTRAL	Average
6	0.1607	52.66	-12.77	65.43	42.62	10.02	0.02	NEUTRAL	QP
7	0.1694	37.71	-17.28	54.99	27.67	10.02	0.02	NEUTRAL	Average
8	0.1694	50.28	-14.71	64.99	40.24	10.02	0.02	NEUTRAL	QP
9	0.1749	37.80	-16.92	54.72	27.86	9.92	0.02	NEUTRAL	Average
10	0.1749	49.80	-14.92	64.72	39.86	9.92	0.02	NEUTRAL	QP
11	0.1806	37.07	-17.39	54.46	27.13	9.92	0.02	NEUTRAL	Average
12	0.1806	48.99	-15.47	64.46	39.05	9.92	0.02	NEUTRAL	QP
13	0.3914	32.24	-15.79	48.03	22.28	9.92	0.04	NEUTRAL	Average
14	0.3914	38.94	-19.09	58.03	28.98	9.92	0.04	NEUTRAL	QP
15	6.4882	24.66	-25.34	50.00	14.47	10.06	0.13	NEUTRAL	Average
16	6.4882	31.41	-28.59	60.00	21.22	10.06	0.13	NEUTRAL	QP

Note:

Level = Read Level + LISN Factor + Cable Loss

4.2. Radiated Emissions Measurement

4.2.1. Limit

30dBc in any 100 kHz bandwidth outside the operating frequency band. 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	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(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

4.2.2. Measuring Instruments and Setting

Please refer to section 5 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak,
	1MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	100kHz / 300kHz for peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1GHz / RBW 120kHz for QP

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4.2.3. Test Procedures

Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 0.8
meter above ground. The phase center of the receiving antenna mounted on the top of a
height-variable antenna tower was placed 1m & 3m far away from the turntable.

- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and 3MHz RBW for peak reading. Then 1MHz RBW and 1/T VBW for average reading in spectrum analyzer.
- 7. If the emissions level of the EUT in peak mode was 3 dB lower than the average 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 for below 1GHz.
- 8. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions 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.
- 9. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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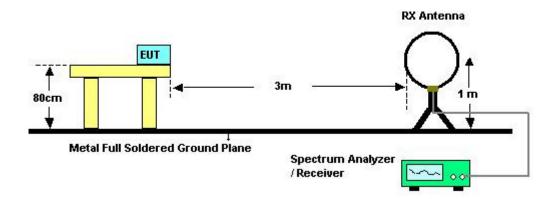
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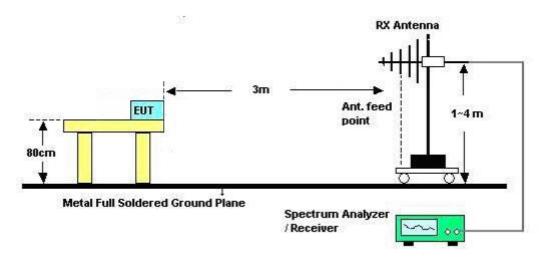


4.2.4. Test Setup Layout

For Radiated Emissions: 9kHz ~30MHz



For Radiated Emissions: 30MHz~1GHz



4.2.5. Test Deviation

There is no deviation with the original standard.

4.2.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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4.2.7. Results of Radiated Emissions (9kHz~30MHz)

Temperature	22°C	Humidity	54%
Test Engineer	Stim Song, Lucke Hsieh	Configurations	Normal Link
Test Date	May 16, 2016		

Freq.	Level	Over Limit	Limit Line	Remark
(MHz)	(dBuV)	(dB)	(dBuV)	
-	-	-	-	See Note

Note:

The amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.

Distance extrapolation factor = 40 log (specific distance / test distance) (dB);

 $\label{eq:limit_limit} \mbox{Limit line} = \mbox{specific limits (dBuV)} + \mbox{distance extrapolation factor}.$

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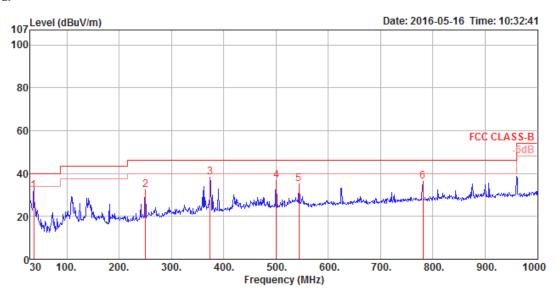




4.2.8. Results of Radiated Emissions (30MHz~1GHz)

Temperature	22°C	Humidity	54%
Test Engineer	Stim Song, Lucke Hsieh	Configurations	Normal Link

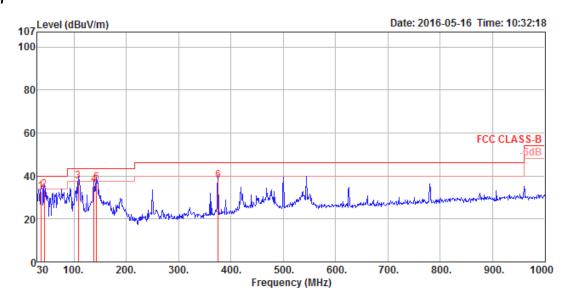
Horizontal



	Freq	Level		Over Limit						T/Pos	Remark	Pol/Phase
-	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	36.79	31.87	40.00	-8.13	42.51	0.61	21.39	32.64	125	0	QP	HORIZONTAL
2	250.19	32.52	46.00	-13.48	44.89	1.56	18.60	32.53	100	78	Peak	HORIZONTAL
3	374.35	38.27	46.00	-7.73	47.32	1.89	21.60	32.54	100	162	Peak	HORIZONTAL
4	500.45	36.76	46.00	-9.24	43.46	2.18	23.73	32.61	100	243	Peak	HORIZONTAL
5	544.10	35.31	46.00	-10.69	41.28	2.29	24.39	32.65	100	10	Peak	HORIZONTAL
6	780.78	36.41	46.00	-9.59	39.70	2.73	26.41	32.43	125	111	Peak	HORIZONTAL



Vertical



	Freq	Level	Limit Line					Preamp Factor		T/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	cm	deg		
1	36.79	32.94	40.00	-7.06	43.58	0.61	21.39	32.64	100	27	QP	VERTICAL
2	43.58	33.37	40.00	-6.63	47.88	0.67	17.45	32.63	125	3	QP	VERTICAL
3	108.57	37.37	43.50	-6.13	51.27	1.03	17.64	32.57	100	224	QP	VERTICAL
4	138.64	35.88	43.50	-7.62	49.63	1.16	17.65	32.56	100	217	QP	VERTICAL
5	143.49	36.71	43.50	-6.79	50.78	1.17	17.32	32.56	100	224	QP	VERTICAL
6	375.32	37.95	46.00	-8.05	46.96	1.90	21.63	32.54	125	215	QP	VERTICAL

Note:

The amplitude of spurious emissions that are attenuated by more than 20dB below the permissible value has no need to be reported.

Emission level (dBuV/m) = $20 \log Emission$ level (uV/m).

Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

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4.3. Antenna Requirements

4.3.1. Limit

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. 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 shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited. Further, this requirement does not apply to intentional radiators that must be professionally installed.

4.3.2. Antenna Connector Construction

Please refer to section 3.3 in this test report; antenna connector complied with the requirements.

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5. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 27, 0216	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 08, 2015	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 23, 2015	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 25, 2015	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	Conduction (CO01-CB)
BILOG ANTENNA	Schaffner	CBL6112D	37880	20MHz ~ 2GHz	Sep. 03, 2015	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8447D	2944A10991	0.1MHz ~ 1.3GHz	Mar. 15, 2016	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Oct. 27, 2015	Radiation (03CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260123	9kHz ~ 8.4GHz	Jan. 27, 2016	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-1	N/A	30 MHz ~ 1 GHz	Nov. 02, 2015	Radiation (03CH01-CB)
Test Software	Audix	E3	6.2009-10-7	N/A	N/A	Radiation (03CH01-CB)

Note: Calibration Interval of instruments listed above is one year.

N.C.R. means Non-Calibration required.

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[&]quot;*" Calibration Interval of instruments listed above is two years.



6. MEASUREMENT UNCERTAINTY

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz \sim 1,000MHz)	3.6 dB	Confidence levels of 95%

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