Partial FCC RF Test Report

APPLICANT	:	**Motion Computing Incorporated**
EQUIPMENT	:	**N6230 mini PCI-E WiFi a/b/g/n + BT module**
BRAND NAME	:	**Motion Computing Incorporated**
MODEL NAME	:	**62230ANHMW**
FCC ID	:	**Q3QIHW62230ANH**
STANDARD	:	**FCC Part 15 Subpart E**
CLASSIFICATION	:	**(NII) Unlicensed National Information Infrastructure TX**

The product was installed into Host (Brand Name: Motion Computing Incorporated, Model Name: CFT-003) during test.

This is a partial report which is included the Radiation Emission and Conducted Emission tests item. The product was received on Nov. 09, 2011 and completely tested on Dec. 01, 2011. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.4-2003 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Reviewed by:

Jones Tsai

Jones Tsai / Manager

Testing Laboratory 1190

SPORTON INTERNATIONAL INC.
No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

TABLE OF CONTENTS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR1N0901C	Rev. 01	Conducted data refer to Intel 6230 Module Reports.	Jan. 03, 2012

SUMMARY OF TEST RESULT

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.207	Gen 7.2.4	AC Conducted Emission	15.207(a)	Pass	Under limit 11.50 dB at 3.294 MHz
3.2	15.407(b)	A9.3	Unwanted Emissions	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 1.02 dB at 5150.000 MHz
3.3	15.203 & 15.407(a)	A9.2	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Motion Computing Incorporated
8601 Ranch Road 2222; Building #2 Austin, Texas 78730 USA

1.2 Manufacturer

Motion Computing Incorporated
8601 Ranch Road 2222; Building #2 Austin, Texas 78730 USA

1.3 Factory

Pegatron Corporation
5F. No. 76, Li-Gong St., Beitou District, Taipei City 112, Taiwan, R.O.C.

1.4 Feature of Equipment Under Test

Product Feature & Specification	
Equipment	N6230 mini PCI-E WiFi a/b/g/n + BT module
Brand Name	Motion Computing Incorporated
Model Name	62230ANHMW
FCC ID	Q3QIHW62230ANH
Tx/Rx Frequency Range	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz
Maximum Output Power to Antenna	**<5150 MHz ~ 5250 MHz>** 802.11a : 16.18 dBm / 0.0415 W 802.11n (BW 20MHz) : 16.23 dBm / 0.0420 W 802.11n (BW 40MHz) : 16.13 dBm / 0.0410 W **<5250 MHz ~ 5350 MHz>** 802.11a : 16.27 dBm / 0.0424 W 802.11n (BW 20MHz) : 16.20 dBm / 0.0417 W 802.11n (BW 40MHz) : 15.99 dBm / 0.0397 W **<5470 MHz ~ 5725 MHz>** 802.11a : 16.36 dBm / 0.0433 W 802.11n (BW 20MHz) : 16.32 dBm / 0.0429 W 802.11n (BW 40MHz) : 16.35 dBm / 0.0432 W
Antenna Type	PIFA Antenna
Antenna Gain	1.85 dBi
Type of Antenna Connector	N/A
Type of Modulation	OFDM (BPSK / QPSK / 16QAM / 64QAM)
EUT Stage	Production Unit

Host Information	
Brand Name	Motion Computing Incorporated
Model Name	CFT-003
FCC ID	Q3QTIRFID7960
Tx/Rx Frequency Range	13.56 MHz
Antenna Type	PCB Antenna
Type of Modulation	ASK

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.5 Testing Site

Test Site	SPORTON INTERNATIONAL INC.	
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-3273456 / FAX: +886-3-3284978	
Test Site No.	Sporton Site No.	FCC/IC Registration No.
	03CH05-HY	722060/4086B-1

1.6 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart E
- FCC KDB 789033 D01 General UNII Test Procedures v01
- ANSI C63.4-2003
- IC RSS-210 Issued 8
- IC RSS-Gen Issue 3

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

1.7 Ancillary Equipment List

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
2.	Notebook	DELL	P20G	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
3.	Bluetooth Earphone	Nokia	BH-102	PYAHS-107W	N/A	N/A
4.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A

2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

802.11a Carrier Frequency Channel							
Channel	**Freq. (MHz)**	**Channel**	**Freq. (MHz)**	**Channel**	**Freq. (MHz)**	**Channel**	**Freq. (MHz)**
36	5180	**44**	5220	**48**	5240	**52**	5260
60	5300	**64**	5320	**100**	5500	**116**	5580
140	5700	**-**	**-**	**-**	**-**	**-**	**-**

802.11n (BW 20MHz) Carrier Frequency Channel							
Channel	**Freq. (MHz)**	**Channel**	**Freq. (MHz)**	**Channel**	**Freq. (MHz)**	**Channel**	**Freq. (MHz)**
36	5180	**44**	5220	**48**	5240	**52**	5260
60	5300	**64**	5320	**100**	5500	**116**	5580
140	5700	**-**	**-**	**-**	**-**	**-**	**-**

802.11n (BW 40MHz) Carrier Frequency Channel							
Channel	**Freq. (MHz)**	**Channel**	**Freq. (MHz)**	**Channel**	**Freq. (MHz)**	**Channel**	**Freq. (MHz)**
38	5190	**46**	5230	**54**	5270	**62**	5310
102	5510	**110**	5550	**134**	5670	**-**	**-**

2.2 RF Power

Preliminary RF power output tests were performed in different data rate and recorded the in the following table:

Band	5GHz 802.11a RF Power (dBm) (Duty cycle 100%)								
Chain	Chain A								
Channel	36	44	48	52	60	64	100	116	140
Frequency (MHz)	5180	5220	5240	5260	5300	5320	5500	5580	5700
Power	16.18	16.13	15.64	15.58	16.14	16.27	16.17	**16.36**	16.30

Band	5GHz 802.11a RF Power (dBm) (Duty cycle 100%)								
Chain	Chain B								
Channel	36	44	48	52	60	64	100	116	140
Frequency (MHz)	5180	5220	5240	5260	5300	5320	5500	5580	5700
Power	**15.88**	15.62	15.51	15.19	15.28	15.61	15.50	15.57	15.24

Band	5GHz 802.11n (BW 20MHz) RF Power (dBm) (Duty cycle 100%)								
Chain	Chain A								
Channel	36	44	48	52	60	64	100	116	140
Frequency (MHz)	5180	5220	5240	5260	5300	5320	5500	5580	5700
Power	15.87	16.05	15.54	15.64	16.18	16.20	16.18	**16.32**	16.19

Band	5GHz 802.11n (BW 20MHz) RF Power (dBm) (Duty cycle 100%)								
Chain	Chain B								
Channel	36	44	48	52	60	64	100	116	140
Frequency (MHz)	5180	5220	5240	5260	5300	5320	5500	5580	5700
Power	**15.83**	15.74	15.63	15.27	15.17	15.54	15.27	15.56	15.48

Band	5GHz 802.11n (BW 20MHz) RF Power (dBm) (Duty cycle 100%)								
Chain	Chain A+B (A)								
Channel	36	44	48	52	60	64	100	116	140
Frequency (MHz)	5180	5220	5240	5260	5300	5320	5500	5580	5700
Power	**13.19**	13.09	12.71	12.51	12.76	12.60	12.54	12.84	12.10

Band	5GHz 802.11n (BW 20MHz) RF Power (dBm) (Duty cycle 100%)								
Chain	Chain A+B (B)								
Channel	36	44	48	52	60	64	100	116	140
Frequency (MHz)	5180	5220	5240	5260	5300	5320	5500	5580	5700
Power	**13.25**	13.14	13.10	12.53	13.00	13.19	12.98	12.89	12.29

Band	5GHz 802.11n (BW 20MHz) RF Power (dBm) (Duty cycle 100%)								
Chain	Chain A+B								
Channel	36	44	48	52	60	64	100	116	140
Frequency (MHz)	5180	5220	5240	5260	5300	5320	5500	5580	5700
Power	**16.23**	16.13	15.92	15.53	15.89	15.92	15.78	15.88	15.21

Band	5GHz 802.11n (BW 40MHz) RF Power (dBm) (Duty cycle 100%)						
Chain	Chain A						
Channel	38	46	54	62	102	110	134
Frequency (MHz)	5190	5230	5270	5310	5510	5550	5670
Power	12.80	16.13	15.99	11.30	15.44	**16.35**	16.25

Band	5GHz 802.11n (BW 40MHz) RF Power (dBm) (Duty cycle 97.54%)						
Chain	Chain B						
Channel	38	46	54	62	102	110	134
Frequency (MHz)	5190	5230	5270	5310	5510	5550	5670
Power	12.63	**15.78**	14.99	12.35	14.76	15.56	15.54

Band	5GHz 802.11n (BW 40MHz) RF Power (dBm) (Duty cycle 95.21%)						
Chain	Chain A+B (A)						
Channel	38	46	54	62	102	110	134
Frequency (MHz)	5190	5230	5270	5310	5510	5550	5670
Power	10.38	**13.18**	12.35	11.96	12.77	12.70	12.60

Band	5GHz 802.11n (BW 40MHz) RF Power (dBm) (Duty cycle 95.21%)						
Chain	Chain A+B (B)						
Channel	38	46	54	62	102	110	134
Frequency (MHz)	5190	5230	5270	5310	5510	5550	5670
Power	10.11	**13.20**	12.65	12.13	12.84	13.00	12.39

Band	5GHz 802.11n (BW 40MHz) RF Power (dBm) (Duty cycle 95.21%)						
Chain	Chain A+B						
Channel	38	46	54	62	102	110	134
Frequency (MHz)	5190	5230	5270	5310	5510	5550	5670
Power	13.26	**16.20**	15.52	15.06	15.82	15.87	15.51

Remark:

1. All the test data for each data rate were verified, but only the worst case was reported.
2. Chain A+B was tested by combiner, and the chain A and B was tested individually and calculated with the formula of 10*LOG (10^ (chain A/10) + 10^ (chain B/10)).
3. The data rates of WLAN 802.11a/n were set in 6Mbps for 802.11a, 6.5Mbps for 802.11n (BW 20MHz), and 13.5Mbps for 802.11n (BW 40MHz) for all the test cases due to the highest RF output power.
4. The EUT is programmed to transmit signal continuously for all testing.

2.3 Test Mode

The EUT has been associated with peripherals pursuant to ANSI C63.4-2003 and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction (150 kHz to 30 MHz), radiation (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower).

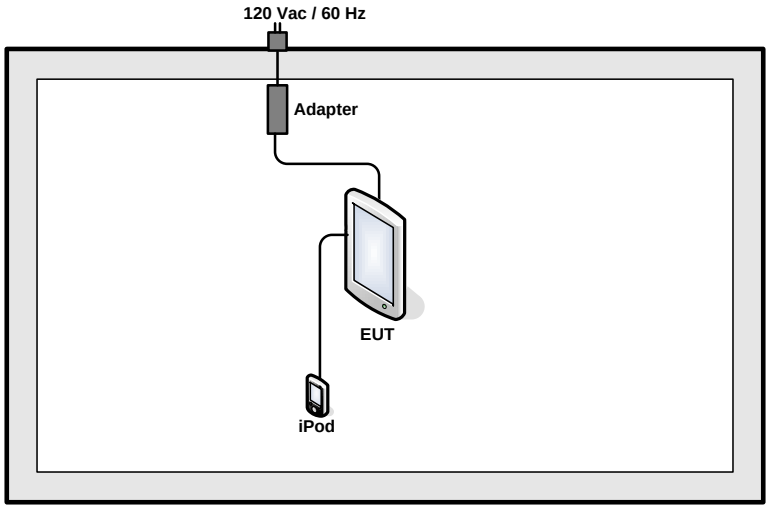
Pre-scanned tests, X, Y, Z in three orthogonal panels, were conducted to determine the final configuration from all possible combinations, laptop / tablet modes.

Radiated band edge measurements were chosen from the highest RF output power of each chain for the n (HT-20/HT-40) modes, 2Tx (chain A+B) modes. The worst case modes for legacy mode, and n modes, were chosen from the highest RF output power chain, and the signal level of fundamental carrier for full radiated test measurements. The following table is showing the total pre-scanned test modes, and the worst case modes which are only recorded in this report.

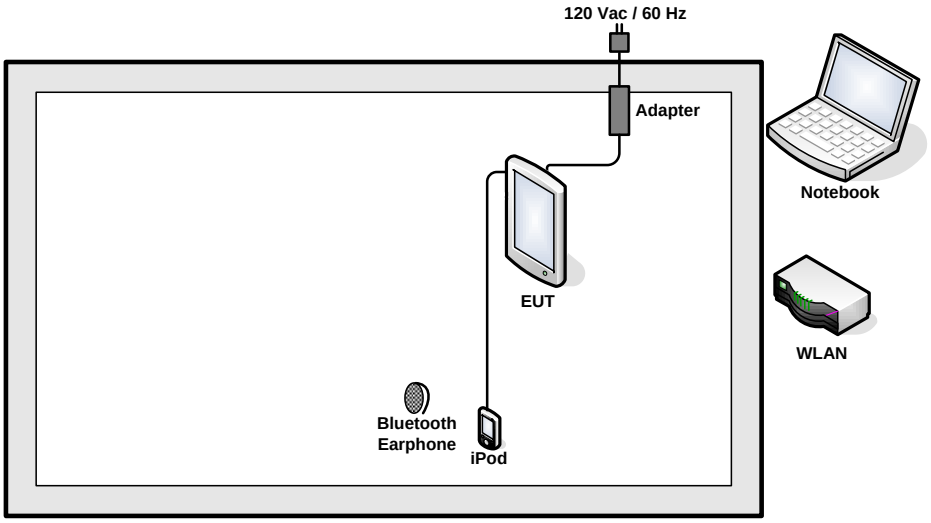
Test Cases	
Test Item	**802.11a/n (Modulation : OFDM)**
Radiated TCs	■ Mode 1: 802.11a_CH36_5180 MHz (Chain A) ■ Mode 2: 802.11a_CH44_5220 MHz (Chain A) ■ Mode 3: 802.11a_CH48_5240 MHz (Chain A) ■ Mode 4: 802.11a_CH52_5260 MHz (Chain A) ■ Mode 5: 802.11a_CH60_5300 MHz (Chain A) ■ Mode 6: 802.11a_CH64_5320 MHz (Chain A) ■ Mode 7: 802.11a_CH100_5500 MHz (Chain A) ■ Mode 8: 802.11a_CH116_5580 MHz (Chain A) ■ Mode 9: 802.11a_CH140_5700 MHz (Chain A) ■ Mode 10: 802.11a_CH140_5700 MHz (Chain B) ■ Mode 11: 802.11a_CH36_5180 MHz (BW 20M, Chain A) ■ Mode 12: 802.11a_CH44_5220 MHz (BW 20M, Chain A) ■ Mode 13: 802.11a_CH48_5240 MHz (BW 20M, Chain A) ■ Mode 14: 802.11a_CH52_5260 MHz (BW 20M, Chain A) ■ Mode 15: 802.11a_CH60_5300 MHz (BW 20M, Chain A) ■ Mode 16: 802.11a_CH64_5320 MHz (BW 20M, Chain A) ■ Mode 17: 802.11a_CH100_5500 MHz (BW 20M, Chain A) ■ Mode 18: 802.11a_CH116_5580 MHz (BW 20M, Chain A) ■ Mode 19: 802.11a_CH140_5700 MHz (BW 20M, Chain A) ■ Mode 20: 802.11n_CH38_5190 MHz (BW 40M, Chain A) ■ Mode 21: 802.11n_CH46_5230 MHz (BW 40M, Chain A) ■ Mode 22: 802.11n_CH54_5270 MHz (BW 40M, Chain A) ■ Mode 23: 802.11n_CH62_5310 MHz (BW 40M, Chain A) ■ Mode 24: 802.11n_CH102_5510 MHz (BW 40M, Chain A) ■ Mode 25: 802.11n_CH110_5550 MHz (BW 40M, Chain A) ■ Mode 26: 802.11n_CH134_5670 MHz (BW 40M, Chain A) ■ Mode 27: 802.11n_CH38_5190 MHz (BW 40M, Chain B) ■ Mode 28: 802.11n_CH38_5190 MHz (BW 40M, Chain A+B)
AC Conducted Emission	Mode 1 **:** WLAN (5G) Link + Bluetooth Link + iPod + Adapter + Battery

2.4 Connection Diagram of Test System

<WLAN Tx Mode>



<AC Conducted Emission Mode>



2.5 RF Utility

The programmed RF Utility “DRTU”, is installed in EUT to provide channel selection, power level, data rate and the application type. RF Utility can send transmitting signal for all testing. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

3 Test Result

3.1 AC Conducted Emission Measurement

3.1.1 Limit of AC Conducted Emission

For equipment that is designed to be connected to the public utility (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 the limits in the following table.

Frequency of emission (MHz)	Conducted limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

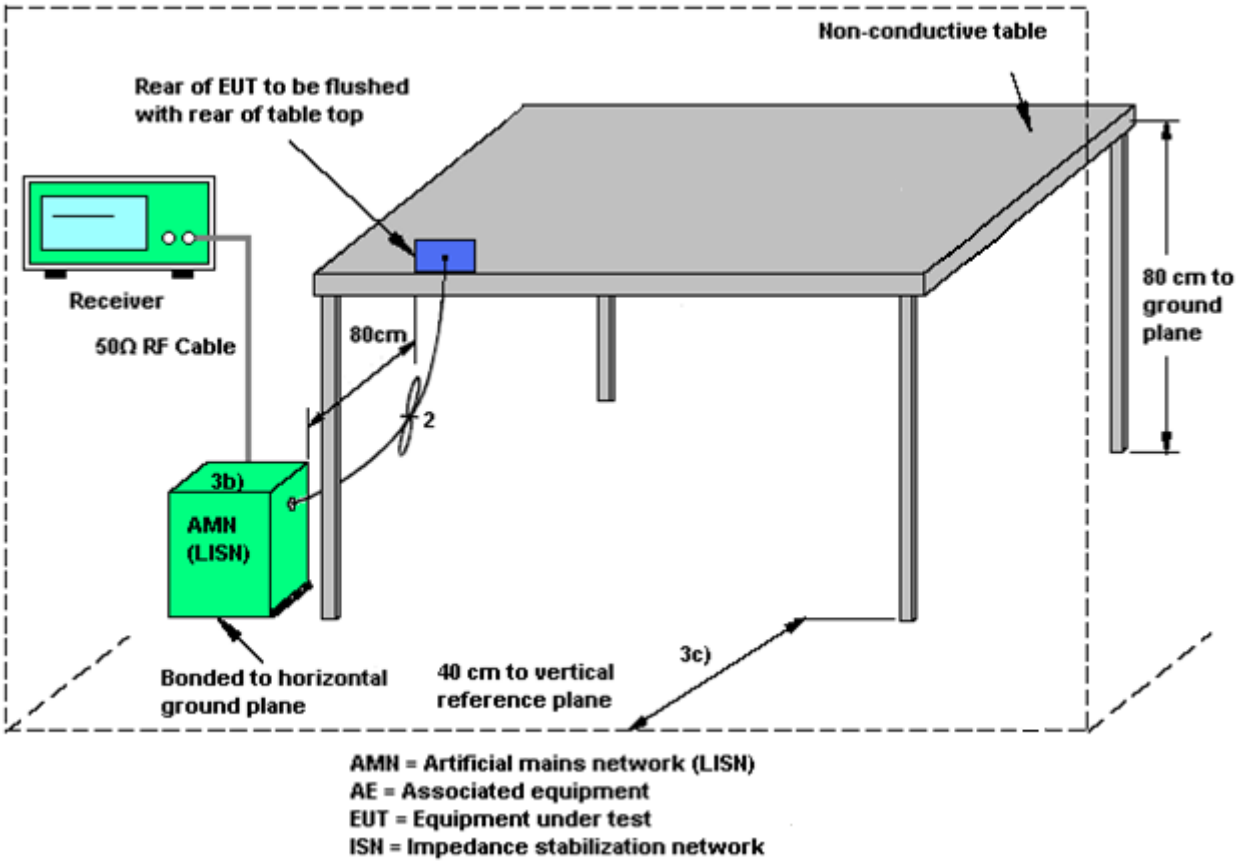
3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

3.1.3 Test Procedures

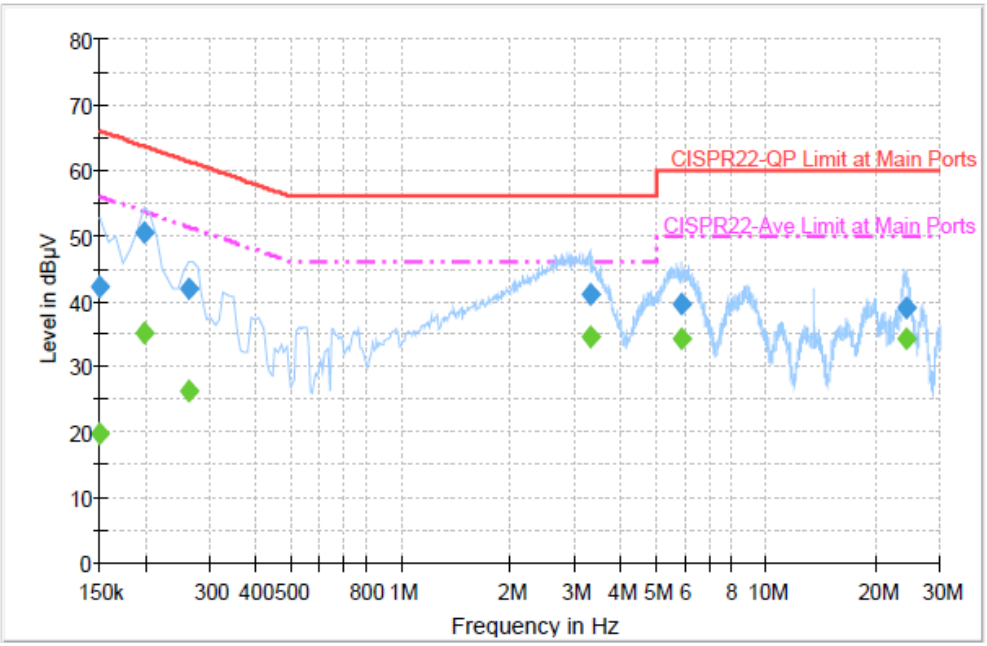
1. Please follow the guidelines in ANSI C63.4-2003.
2. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN).
4. All the support units are connecting to the other LISN.
5. The LISN provides 50 ohm coupling impedance for the measuring instrument.
6. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
7. Both sides of AC line were checked for maximum conducted interference.
8. The frequency range from 150 kHz to 30 MHz was searched.
9. Set the test-receiver system to Peak Detect Function and specified bandwidth with Maximum Hold Mode.

3.1.4 Test Setup



3.1.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	**Temperature :**	20~22℃
Test Engineer :	Novic Chiang	**Relative Humidity :**	40~42%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	WLAN (5G) Link + Bluetooth Link + iPod + Adapter + Battery		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



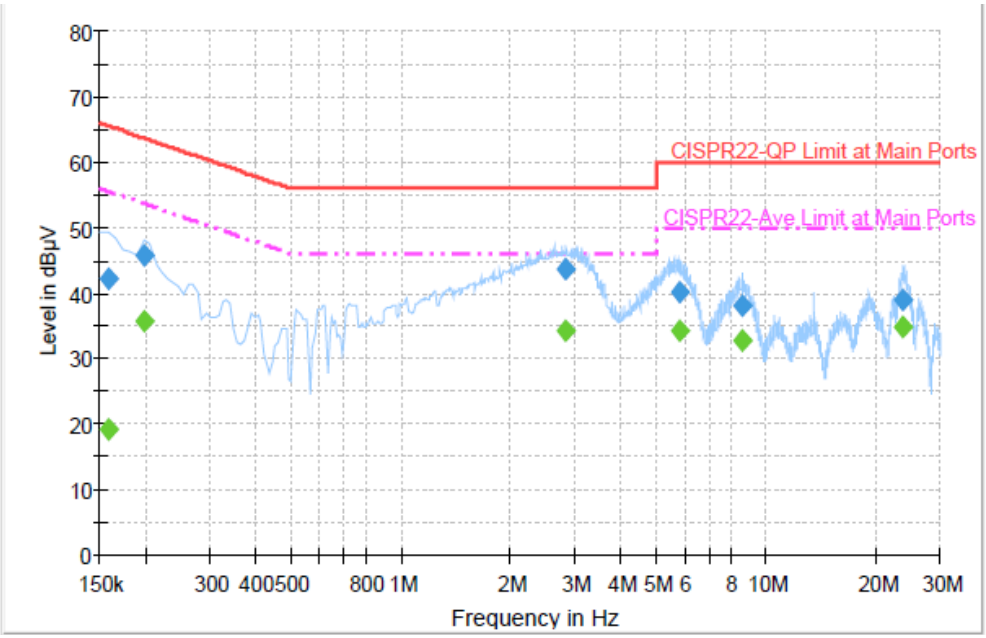
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	42.2	Off	L1	19.4	23.8	66.0
0.198000	50.5	Off	L1	19.4	13.2	63.7
0.262000	42.0	Off	L1	19.4	19.4	61.4
3.294000	40.9	Off	L1	19.5	15.1	56.0
5.870000	39.7	Off	L1	19.5	20.3	60.0
24.246000	39.1	Off	L1	19.7	20.9	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	19.7	Off	L1	19.4	36.3	56.0
0.198000	35.2	Off	L1	19.4	18.5	53.7
0.262000	26.3	Off	L1	19.4	25.1	51.4
3.294000	34.5	Off	L1	19.5	11.5	46.0
5.870000	34.3	Off	L1	19.5	15.7	50.0
24.246000	34.4	Off	L1	19.7	15.6	50.0

Test Mode :	Mode 1	Temperature :	20~22℃
Test Engineer :	Novic Chiang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN (5G) Link + Bluetooth Link + iPod + Adapter + Battery		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	42.1	Off	N	19.4	23.5	65.6
0.198000	45.8	Off	N	19.4	17.9	63.7
2.822000	43.7	Off	N	19.5	12.3	56.0
5.814000	40.2	Off	N	19.5	19.8	60.0
8.590000	38.2	Off	N	19.6	21.8	60.0
23.774000	39.1	Off	N	19.8	20.9	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.158000	19.2	Off	N	19.4	36.4	55.6
0.198000	35.6	Off	N	19.4	18.1	53.7
2.822000	34.1	Off	N	19.5	11.9	46.0
5.814000	34.1	Off	N	19.5	15.9	50.0
8.590000	32.8	Off	N	19.6	17.2	50.0
23.774000	34.9	Off	N	19.8	15.1	50.0

3.2 Unwanted Emissions Measurement

This section as specified in FCC Part 15.407(b) is to measure unwanted emissions through radiated measurement for band edge spurious emissions and out of band emissions measurement. The unwanted emissions shall comply with 15.407(b)(1) to (6), and restricted bands per FCC Part15.205.

3.2.1 Limit of Unwanted Emissions

(1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of –27dBm/MHz. For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band. 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.

(2) Unwanted spurious emissions fallen in restricted bands per FCC Part15.205 shall comply with the general field strength limits set forth in § 15.209 as below table,

Frequency (MHz)	Field Strength (microvolts/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

Note: The following formula is used to convert the EIRP to field strength.

$$E=\frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts)

EIRP (dBm)	Field Strength at 3m (dBuV/m)
- 27	68.3

3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

1. The testing follows the guidelines in FCC KDB 789033 D01 General UNII Test Procedures v01.

   (1) Procedure for Unwanted Emissions Measurements Below 1000MHz

   - RBW = 120 KHz
   - VBW = 300 KHz
   - Detector = Peak
   - Trace mode = max hold

   (2) Procedure for Peak Unwanted Emissions Measurements Above 1000 MHz

   - The setting follows the G) 5) of FCC KDB 789033.
   - RBW = 1 MHz
   - VBW ≥ 3 MHz
   - Detector = Peak
   - Sweep time = auto
   - Trace mode = max hold

   (3) Procedures for Average Unwanted Emissions Measurements Above 1000MHz

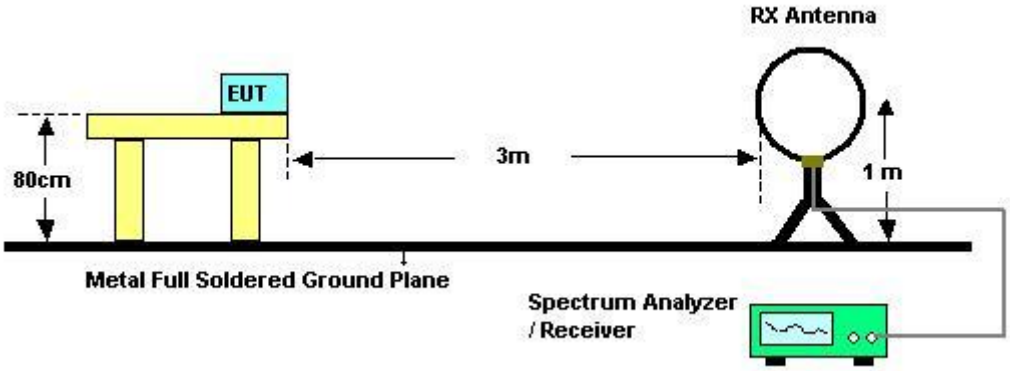
   - The setting follows G) 6) of FCC KDB 789033.
   - RBW = 1 MHz
   - VBW = 10 Hz, when duty cycle is no less than 98 percent.
   - VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.

2. The EUT was placed on a rotatable table top 0.8 meter above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest radiation.
5. The antenna is a broadband antenna and its height is adjusted between one meter and four meters above ground to find the maximum value of the field strength for both horizontal polarization and vertical polarization of the antenna.

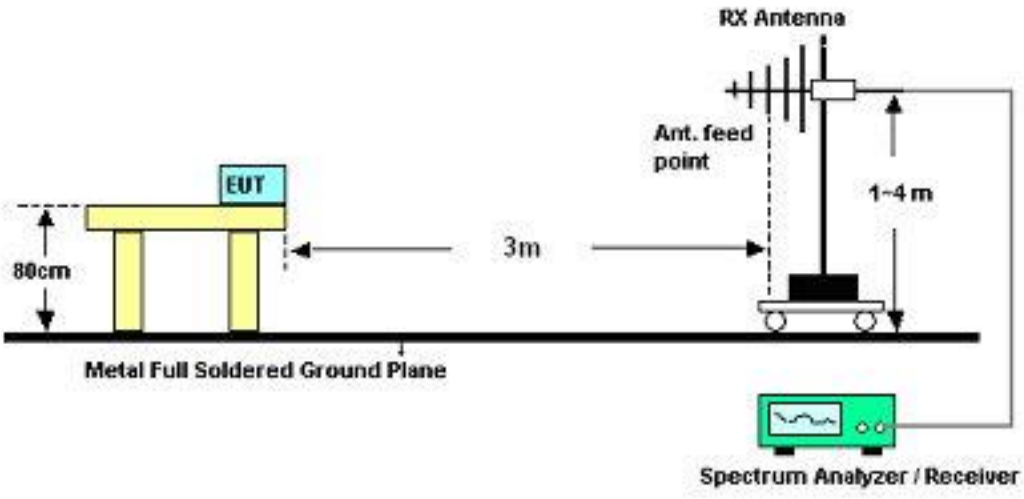
6. For each suspected emission, the EUT was arranged to its worst case and then adjust the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading.
7. For testing below 1GHz, if the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be repeated one by one using the CISPR quasi-peak method and reported.
8. 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 average 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.

3.2.4 Test Setup

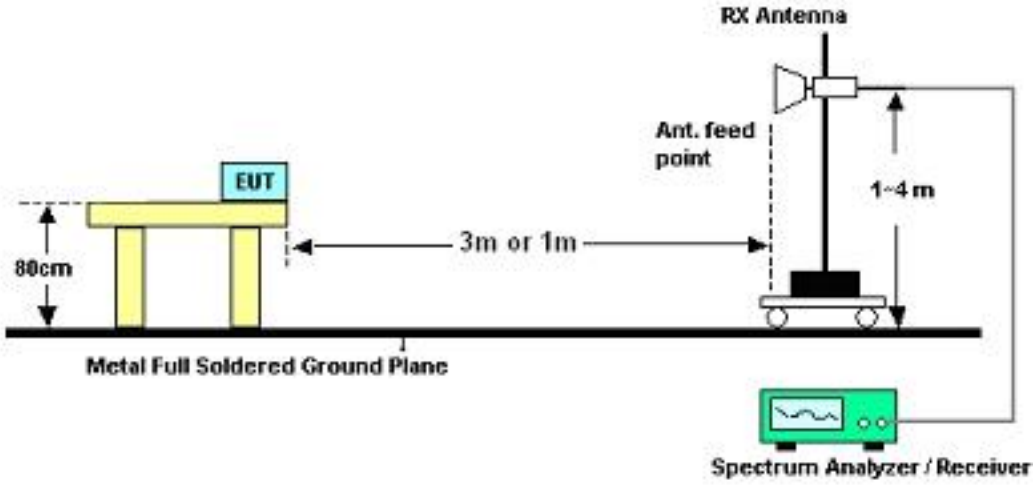
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



3.2.5 Test Result

3.2.5.1 Test Result of Radiated Band Edges

Test Mode :	Mode 1	**Temperature :**	22~26°C
Test Band :	802.11a	**Relative Humidity :**	53~59%
Test Channel :	36	**Test Engineer :**	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	**Level (dBuV/m)**	**Over Limit (dB)**	**Limit Line (dBuV/m)**	**Read Level (dBuV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5148.75	65.68	-8.32	74	58.69	33.95	6.69	33.65	100	173	Peak
5148.75	50.01	-3.99	54	43.02	33.95	6.69	33.65	100	173	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	**Level (dBuV/m)**	**Over Limit (dB)**	**Limit Line (dBuV/m)**	**Read Level (dBuV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5150	67.92	-6.08	74	60.93	33.95	6.69	33.65	125	84	Peak
5150	51.97	-2.03	54	44.98	33.95	6.69	33.65	125	84	Average

Test Mode :	Mode 3	**Temperature :**	22~26°C
Test Band :	802.11a	**Relative Humidity :**	53~59%
Test Channel :	48	**Test Engineer :**	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	**Level (dBuV/m)**	**Over Limit (dB)**	**Limit Line (dBuV/m)**	**Read Level (dBuV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5422	50.98	-23.02	74	42.99	34.22	6.88	33.11	127	168	Peak
5422	39.68	-14.32	54	31.69	34.22	6.88	33.11	127	168	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	**Level (dBuV/m)**	**Over Limit (dB)**	**Limit Line (dBuV/m)**	**Read Level (dBuV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5356	51.85	-22.15	74	44.06	34.15	6.85	33.21	129	86	Peak
5356	40.18	-13.82	54	32.39	34.15	6.85	33.21	129	86	Average

Test Mode :	Mode 4	Temperature :	22~26°C
Test Band :	802.11a	Relative Humidity :	53~59%
Test Channel :	52	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5112	51.31	-22.69	74	44.48	33.92	6.66	33.75	127	167	Peak
5112	39.51	-14.49	54	32.68	33.92	6.66	33.75	127	167	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5068	51.37	-22.63	74	44.66	33.87	6.64	33.8	131	85	Peak
5068	39.96	-14.04	54	33.25	33.87	6.64	33.8	131	85	Average

Test Mode :	Mode 6	Temperature :	22~26°C
Test Band :	802.11a	Relative Humidity :	53~59%
Test Channel :	64	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5352.43	70.03	-3.97	74	62.31	34.15	6.83	33.26	127	171	Peak
5352.43	50.56	-3.44	54	42.84	34.15	6.83	33.26	127	171	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5352.43	72.17	-1.83	74	64.45	34.15	6.83	33.26	123	83	Peak
5352.43	52.4	-1.6	54	44.68	34.15	6.83	33.26	123	83	Average

Test Mode :	Mode 7	Temperature :	22~26°C
Test Band :	802.11a	Relative Humidity :	53~59%
Test Channel :	100	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	62.86	-5.44	68.3	54.68	34.27	6.92	33.01	124	167	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	66.65	-1.65	68.3	58.47	34.27	6.92	33.01	123	112	Peak

Test Mode :	Mode 9	Temperature :	22~26°C
Test Band :	802.11a	Relative Humidity :	53~59%
Test Channel :	140	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	63.19	-5.11	68.3	54.54	34.66	7.17	33.18	100	162	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	67.09	-1.21	68.3	58.44	34.66	7.17	33.18	136	71	Peak

Test Mode :	Mode 10	Temperature :	22~26°C
Test Band :	802.11a	Relative Humidity :	53~59%
Test Channel :	140	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	67.12	-1.18	68.3	58.47	34.66	7.17	33.18	101	105	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	64.51	-3.79	68.3	55.86	34.66	7.17	33.18	106	43	Peak

Test Mode :	Mode 11	Temperature :	22~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~59%
Test Channel :	36	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5147	65.55	-8.45	74	58.56	33.95	6.69	33.65	100	172	Peak
5147	50.42	-3.58	54	43.43	33.95	6.69	33.65	100	172	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5147.7	67.55	-6.45	74	60.56	33.95	6.69	33.65	112	82	Peak
5147.7	52.66	-1.34	54	45.67	33.95	6.69	33.65	112	82	Average

Test Mode :	Mode 13	Temperature :	22~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~59%
Test Channel :	48	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5386	51.78	-22.22	74	43.9	34.18	6.86	33.16	112	171	Peak
5386	39.34	-14.66	54	31.46	34.18	6.86	33.16	112	171	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	52.16	-21.84	74	44.44	34.15	6.83	33.26	111	82	Peak
5350	39.92	-14.08	54	32.2	34.15	6.83	33.26	111	82	Average

Test Mode :	Mode 14	Temperature :	22~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~59%
Test Channel :	52	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5114	50.59	-23.41	74	43.76	33.92	6.66	33.75	113	168	Peak
5114	39.2	-14.8	54	32.37	33.92	6.66	33.75	113	168	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	51.32	-22.68	74	44.33	33.95	6.69	33.65	113	81	Peak
5150	38.48	-15.52	54	31.49	33.95	6.69	33.65	113	81	Average

Test Mode :	Mode 16	Temperature :	22~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~59%
Test Channel :	64	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5352.74	71.29	-2.71	74	63.57	34.15	6.83	33.26	114	175	Peak
5352.74	50.43	-3.57	54	42.71	34.15	6.83	33.26	114	175	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5353.36	72.97	-1.03	74	65.25	34.15	6.83	33.26	121	81	Peak
5353.36	52	-2	54	44.28	34.15	6.83	33.26	121	81	Average

Test Mode :	Mode 17	Temperature :	22~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~59%
Test Channel :	100	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	64.54	-3.76	68.3	56.36	34.27	6.92	33.01	105	168	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	66.08	-2.22	68.3	57.9	34.27	6.92	33.01	119	77	Peak

Test Mode :	Mode 19	Temperature :	22~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~59%
Test Channel :	140	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	65.81	-2.49	68.3	57.16	34.66	7.17	33.18	100	163	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	67.03	-1.27	68.3	58.38	34.66	7.17	33.18	160	11	Peak

Test Mode :	Mode 20	Temperature :	22~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~59%
Test Channel :	38	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	64.87	-9.13	74	57.56	33.95	6.69	33.33	113	176	Peak
5150	50.81	-3.19	54	43.5	33.95	6.69	33.33	113	176	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	66.47	-7.53	74	59.16	33.95	6.69	33.33	141	86	Peak
5150	52.98	-1.02	54	45.67	33.95	6.69	33.33	141	86	Average

Test Mode :	Mode 21	Temperature :	22~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~59%
Test Channel :	46	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	51.1	-22.9	74	43.36	34.15	6.83	33.24	112	175	Peak
5350	39.72	-14.28	54	31.98	34.15	6.83	33.24	112	175	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	51.17	-22.83	74	43.43	34.15	6.83	33.24	125	90	Peak
5350	39.79	-14.21	54	32.05	34.15	6.83	33.24	125	90	Average

Test Mode :	Mode 22	Temperature :	22~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~59%
Test Channel :	54	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	53.87	-20.13	74	46.56	33.95	6.69	33.33	111	176	Peak
5150	41.37	-12.63	54	34.06	33.95	6.69	33.33	111	176	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	56.43	-17.57	74	49.12	33.95	6.69	33.33	103	181	Peak
5150	41.78	-12.22	54	34.47	33.95	6.69	33.33	103	181	Average

Test Mode :	Mode 23	Temperature :	22~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~59%
Test Channel :	62	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	64.54	-9.46	74	56.8	34.15	6.83	33.24	110	174	Peak
5350	50.58	-3.42	54	42.84	34.15	6.83	33.24	110	174	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	66.11	-7.89	74	58.37	34.15	6.83	33.24	102	179	Peak
5350	52.44	-1.56	54	44.7	34.15	6.83	33.24	102	179	Average

Test Mode :	Mode 24	Temperature :	22~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~59%
Test Channel :	102	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	61.22	-7.08	68.3	53.22	34.27	6.92	33.19	113	123	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	66.73	-1.57	68.3	58.73	34.27	6.92	33.19	111	168	Peak

Test Mode :	Mode 26	Temperature :	22~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~59%
Test Channel :	134	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	61.25	-7.05	68.3	52.61	34.66	7.17	33.19	101	162	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	65.23	-3.07	68.3	56.59	34.66	7.17	33.19	138	79	Peak

Test Mode :	Mode 27	Temperature :	22~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~59%
Test Channel :	38	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5149.45	65.31	-8.69	74	58.32	33.95	6.69	33.65	102	116	Peak
5149.45	52.87	-1.13	54	45.88	33.95	6.69	33.65	102	116	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	66.44	-7.56	74	59.45	33.95	6.69	33.65	108	36	Peak
5150	52.57	-1.43	54	45.58	33.95	6.69	33.65	108	36	Average

Test Mode :	Mode 28	Temperature :	22~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~59%
Test Channel :	38	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	62.89	-11.11	74	55.9	33.95	6.69	33.65	127	184	Peak
5150	49.9	-4.1	54	42.91	33.95	6.69	33.65	127	184	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5149.8	63.44	-10.56	74	56.45	33.95	6.69	33.65	115	216	Peak
5149.8	49.99	-4.01	54	43	33.95	6.69	33.65	115	216	Average

3.2.5.2 Test Results of Unwanted Radiated Emissions (9kHz ~ 30MHz)

Temperature	22~26°C	Humidity	53~59%
Test Engineer	Wii Chang		

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

Note:

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

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

Limit line = specific limits (dBuV) + distance extrapolation factor.

3.2.5.3 Test Result of Unwanted Radiated Emission (30MHz ~ 10th Harmonic)

Test Mode :	Mode 1	**Temperature :**	22~26°C
Test Channel :	36	**Relative Humidity :**	53~59%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	5180 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.32	-18.68	40	32.38	19.8	0.7	31.56	-	-	Peak
199.83	22.59	-20.91	43.5	43.48	9.1	1.46	31.45	-	-	Peak
232.5	26.43	-19.57	46	45.78	10.56	1.59	31.5	-	-	Peak
303.5	26.31	-19.69	46	42.43	13.36	1.79	31.27	-	-	Peak
384	28.9	-17.1	46	42.82	15.32	1.98	31.22	100	84	Peak
431.6	20.64	-25.36	46	32.97	16.74	2.09	31.16	-	-	Peak
5148.75	50.01	-3.99	54	43.02	33.95	6.69	33.65	100	173	Average
5148.75	65.68	-8.32	74	58.69	33.95	6.69	33.65	100	173	Peak
5180	97.12	-	-	90.03	33.98	6.71	33.6	100	173	Average
5180	106.08	-	-	98.99	33.98	6.71	33.6	100	173	Peak
5376	39.32	-14.68	54	31.51	34.17	6.85	33.21	100	173	Average
5376	51.58	-22.42	74	43.77	34.17	6.85	33.21	100	173	Peak

Test Mode :	Mode 1	Temperature :	22~26°C
Test Channel :	36	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5180 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	31.32	-8.68	40	43.7	18.44	0.72	31.54	100	51	Peak
87.78	25.68	-14.32	40	47.7	8.46	1.06	31.54	-	-	Peak
133.95	29.14	-14.36	43.5	48.02	11.4	1.24	31.52	-	-	Peak
308.4	22.08	-23.92	46	38.24	13.32	1.8	31.28	-	-	Peak
328.7	19.01	-26.99	46	34.68	13.77	1.85	31.29	-	-	Peak
384	21.39	-24.61	46	35.31	15.32	1.98	31.22	-	-	Peak
5150	51.97	-2.03	54	44.98	33.95	6.69	33.65	125	84	Average
5150	67.92	-6.08	74	60.93	33.95	6.69	33.65	125	84	Peak
5180	100	-	-	92.91	33.98	6.71	33.6	125	84	Average
5180	109.43	-	-	102.34	33.98	6.71	33.6	125	84	Peak
5350	39.69	-14.31	54	31.97	34.15	6.83	33.26	125	84	Average
5350	50.01	-23.99	74	42.29	34.15	6.83	33.26	125	84	Peak

Test Mode :	Mode 2	Temperature :	22~26°C
Test Channel :	44	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5220 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.54	-18.46	40	32.6	19.8	0.7	31.56	-	-	Peak
199.29	22.92	-20.58	43.5	43.81	9.1	1.46	31.45	-	-	Peak
233.31	26.74	-19.26	46	45.97	10.68	1.59	31.5	-	-	Peak
335.7	25.97	-20.03	46	41.44	13.96	1.87	31.3	-	-	Peak
384	29.55	-16.45	46	43.47	15.32	1.98	31.22	100	51	Peak
472.2	20.21	-25.79	46	31.53	17.62	2.18	31.12	-	-	Peak
5108	39.81	-14.19	54	32.98	33.92	6.66	33.75	112	169	Average
5108	51.71	-22.29	74	44.88	33.92	6.66	33.75	112	169	Peak
5220	97.16	-	-	89.9	34.02	6.74	33.5	112	169	Average
5220	106.14	-	-	98.88	34.02	6.74	33.5	112	169	Peak
5442	39.78	-14.22	54	31.71	34.23	6.9	33.06	112	169	Average
5442	51.52	-22.48	74	43.45	34.23	6.9	33.06	112	169	Peak

Test Mode :	Mode 2	Temperature :	22~26°C
Test Channel :	44	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5220 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	31.32	-8.68	40	43.7	18.44	0.72	31.54	100	33	Peak
87.78	25.82	-14.18	40	47.84	8.46	1.06	31.54	-	-	Peak
133.68	29.02	-14.48	43.5	47.9	11.4	1.24	31.52	-	-	Peak
310.5	20.5	-25.5	46	36.67	13.3	1.81	31.28	-	-	Peak
384	22.44	-23.56	46	36.36	15.32	1.98	31.22	-	-	Peak
514.9	20.32	-25.68	46	30.85	18.25	2.26	31.04	-	-	Peak
5150	40.33	-13.67	54	33.34	33.95	6.69	33.65	127	83	Average
5150	51.96	-22.04	74	44.97	33.95	6.69	33.65	127	83	Peak
5220	100.34	-	-	93.08	34.02	6.74	33.5	127	83	Average
5220	109.31	-	-	102.05	34.02	6.74	33.5	127	83	Peak
5354	39.63	-14.37	54	31.91	34.15	6.83	33.26	127	83	Average
5354	51.86	-22.14	74	44.14	34.15	6.83	33.26	127	83	Peak

Test Mode :	Mode 3	Temperature :	22~26°C
Test Channel :	48	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5240 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30.54	20.71	-19.29	40	32.43	19.12	0.71	31.55	-	-	Peak
196.05	22.51	-20.99	43.5	43.66	8.86	1.45	31.46	-	-	Peak
233.31	26.47	-19.53	46	45.7	10.68	1.59	31.5	-	-	Peak
335.7	26.73	-19.27	46	42.2	13.96	1.87	31.3	-	-	Peak
384	29.24	-16.76	46	43.16	15.32	1.98	31.22	100	77	Peak
513.5	20.98	-25.02	46	31.54	18.23	2.26	31.05	-	-	Peak
5074	39.57	-14.43	54	32.85	33.88	6.64	33.8	127	168	Average
5074	51.57	-22.43	74	44.85	33.88	6.64	33.8	127	168	Peak
5240	97.18	-	-	89.84	34.03	6.76	33.45	127	168	Average
5240	106.17	-	-	98.83	34.03	6.76	33.45	127	168	Peak
5422	39.68	-14.32	54	31.69	34.22	6.88	33.11	127	168	Average
5422	50.98	-23.02	74	42.99	34.22	6.88	33.11	127	168	Peak

Test Mode :	Mode 3	Temperature :	22~26°C
Test Channel :	48	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5240 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	30.46	-9.54	40	42.84	18.44	0.72	31.54	100	61	Peak
87.78	25.83	-14.17	40	47.85	8.46	1.06	31.54	-	-	Peak
132.06	28.47	-15.03	43.5	47.36	11.4	1.23	31.52	-	-	Peak
307	20.1	-25.9	46	36.25	13.33	1.8	31.28	-	-	Peak
384	22.67	-23.33	46	36.59	15.32	1.98	31.22	-	-	Peak
461	20.7	-25.3	46	32.26	17.42	2.16	31.14	-	-	Peak
5126	40.11	-13.89	54	33.2	33.93	6.68	33.7	129	86	Average
5126	52.06	-21.94	74	45.15	33.93	6.68	33.7	129	86	Peak
5240	99.38	-	-	92.04	34.03	6.76	33.45	129	86	Average
5240	108.69	-	-	101.35	34.03	6.76	33.45	129	86	Peak
5356	40.18	-13.82	54	32.39	34.15	6.85	33.21	129	86	Average
5356	51.85	-22.15	74	44.06	34.15	6.85	33.21	129	86	Peak

Test Mode :	Mode 4	Temperature :	22~26°C
Test Channel :	52	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5260 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.76	-18.24	40	32.82	19.8	0.7	31.56	-	-	Peak
193.89	22.19	-21.31	43.5	43.43	8.78	1.45	31.47	-	-	Peak
233.31	27.18	-18.82	46	46.41	10.68	1.59	31.5	-	-	Peak
323.1	24.03	-21.97	46	39.89	13.59	1.84	31.29	-	-	Peak
384	28.31	-17.69	46	42.23	15.32	1.98	31.22	100	53	Peak
468	20.65	-25.35	46	32.04	17.56	2.17	31.12	-	-	Peak
5112	39.51	-14.49	54	32.68	33.92	6.66	33.75	127	167	Average
5112	51.31	-22.69	74	44.48	33.92	6.66	33.75	127	167	Peak
5260	96.99	-	-	89.55	34.07	6.78	33.41	127	167	Average
5260	106.24	-	-	98.8	34.07	6.78	33.41	127	167	Peak
5440	39.9	-14.1	54	31.83	34.23	6.9	33.06	127	167	Average
5440	51.23	-22.77	74	43.16	34.23	6.9	33.06	127	167	Peak

Test Mode :	Mode 4	Temperature :	22~26°C
Test Channel :	52	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5260 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.43	31.07	-8.93	40	44.13	17.76	0.72	31.54	100	66	Peak
88.05	25.41	-18.09	43.5	47.43	8.46	1.06	31.54	-	-	Peak
132.06	29.07	-14.43	43.5	47.96	11.4	1.23	31.52	-	-	Peak
303.5	21.69	-24.31	46	37.81	13.36	1.79	31.27	-	-	Peak
384	22.9	-23.1	46	36.82	15.32	1.98	31.22	-	-	Peak
498.1	19.72	-26.28	46	30.51	18.06	2.23	31.08	-	-	Peak
5068	39.96	-14.04	54	33.25	33.87	6.64	33.8	131	85	Average
5068	51.37	-22.63	74	44.66	33.87	6.64	33.8	131	85	Peak
5260	99.93	-	-	92.49	34.07	6.78	33.41	131	85	Average
5260	109.1	-	-	101.66	34.07	6.78	33.41	131	85	Peak
5448	40.14	-13.86	54	32.05	34.25	6.9	33.06	131	85	Average
5448	51.82	-22.18	74	43.73	34.25	6.9	33.06	131	85	Peak

Test Mode :	Mode 5	Temperature :	22~26°C
Test Channel :	60	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5300 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.39	-18.61	40	32.45	19.8	0.7	31.56	-	-	Peak
199.83	22.61	-20.89	43.5	43.5	9.1	1.46	31.45	-	-	Peak
233.31	26.18	-19.82	46	45.41	10.68	1.59	31.5	-	-	Peak
335.7	26.38	-19.62	46	41.85	13.96	1.87	31.3	-	-	Peak
384	28.7	-17.3	46	42.62	15.32	1.98	31.22	100	61	Peak
503.7	22.14	-23.86	46	32.84	18.13	2.24	31.07	-	-	Peak
5084	39.34	-14.66	54	32.62	33.88	6.64	33.8	127	172	Average
5084	51.6	-22.4	74	44.88	33.88	6.64	33.8	127	172	Peak
5300	97.5	-	-	89.96	34.1	6.8	33.36	127	172	Average
5300	106.34	-	-	98.8	34.1	6.8	33.36	127	172	Peak
5350	40.18	-13.82	54	32.46	34.15	6.83	33.26	127	172	Average
5350	51.94	-22.06	74	44.22	34.15	6.83	33.26	127	172	Peak

Test Mode :	Mode 5	Temperature :	22~26°C
Test Channel :	60	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5300 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.7	30.79	-9.21	40	43.85	17.76	0.72	31.54	100	91	Peak
88.32	24.6	-18.9	43.5	46.62	8.46	1.06	31.54	-	-	Peak
131.52	28.56	-14.94	43.5	47.45	11.4	1.23	31.52	-	-	Peak
307.7	20.72	-25.28	46	36.87	13.33	1.8	31.28	-	-	Peak
384	22.14	-23.86	46	36.06	15.32	1.98	31.22	-	-	Peak
499.5	20.17	-25.83	46	30.94	18.08	2.23	31.08	-	-	Peak
5150	40.05	-13.95	54	33.06	33.95	6.69	33.65	111	82	Average
5150	51.76	-22.24	74	44.77	33.95	6.69	33.65	111	82	Peak
5300	100.44	-	-	92.9	34.1	6.8	33.36	111	82	Average
5300	109.62	-	-	102.08	34.1	6.8	33.36	111	82	Peak
5356	41.43	-12.57	54	33.64	34.15	6.85	33.21	111	82	Average
5356	54.34	-19.66	74	46.55	34.15	6.85	33.21	111	82	Peak

Test Mode :	Mode 6	Temperature :	22~26°C
Test Channel :	64	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5320 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30.27	21.24	-18.76	40	32.3	19.8	0.7	31.56	-	-	Peak
199.83	22.31	-21.19	43.5	43.2	9.1	1.46	31.45	-	-	Peak
232.5	27.28	-18.72	46	46.63	10.56	1.59	31.5	-	-	Peak
335.7	25.84	-20.16	46	41.31	13.96	1.87	31.3	-	-	Peak
384	28.85	-17.15	46	42.77	15.32	1.98	31.22	100	27	Peak
470.8	21.63	-24.37	46	32.97	17.6	2.18	31.12	-	-	Peak
5038	39.18	-14.82	54	32.62	33.85	6.61	33.9	127	171	Average
5038	51.06	-22.94	74	44.5	33.85	6.61	33.9	127	171	Peak
5320	98.32	-	-	90.7	34.12	6.81	33.31	127	171	Average
5320	107.8	-	-	100.18	34.12	6.81	33.31	127	171	Peak
5352.43	50.56	-3.44	54	42.84	34.15	6.83	33.26	127	171	Average
5352.43	70.03	-3.97	74	62.31	34.15	6.83	33.26	127	171	Peak

Test Mode :	Mode 6	Temperature :	22~26°C
Test Channel :	64	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5320 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	30.36	-9.64	40	42.74	18.44	0.72	31.54	100	46	Peak
88.05	25.94	-17.56	43.5	47.96	8.46	1.06	31.54	-	-	Peak
132.33	29.47	-14.03	43.5	48.36	11.4	1.23	31.52	-	-	Peak
309.1	21.78	-24.22	46	37.95	13.31	1.8	31.28	-	-	Peak
384	21.79	-24.21	46	35.71	15.32	1.98	31.22	-	-	Peak
486.2	19.67	-26.33	46	30.75	17.82	2.2	31.1	-	-	Peak
5116	39.8	-14.2	54	32.9	33.92	6.68	33.7	123	83	Average
5116	51.17	-22.83	74	44.27	33.92	6.68	33.7	123	83	Peak
5320	100.85	-	-	93.23	34.12	6.81	33.31	123	83	Average
5320	109.54	-	-	101.92	34.12	6.81	33.31	123	83	Peak
5352.43	52.4	-1.6	54	44.68	34.15	6.83	33.26	123	83	Average
5352.43	72.17	-1.83	74	64.45	34.15	6.83	33.26	123	83	Peak

Test Mode :	Mode 7	Temperature :	22~26°C
Test Channel :	100	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	1. 5500 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.67	-18.33	40	32.73	19.8	0.7	31.56	-	-	Peak
199.29	24	-19.5	43.5	44.89	9.1	1.46	31.45	-	-	Peak
232.5	26.38	-19.62	46	45.73	10.56	1.59	31.5	-	-	Peak
335.7	27.03	-18.97	46	42.5	13.96	1.87	31.3	-	-	Peak
384	29.49	-16.51	46	43.41	15.32	1.98	31.22	100	60	Peak
474.3	20.62	-25.38	46	31.92	17.64	2.18	31.12	-	-	Peak
5470	62.86	-5.44	68.3	54.68	34.27	6.92	33.01	124	167	Peak
5500	98.1	-	-	89.76	34.3	6.95	32.91	124	167	Average
5500	107.17	-	-	98.83	34.3	6.95	32.91	124	167	Peak
5725	50.48	-17.82	68.3	41.83	34.66	7.17	33.18	124	167	Peak

Test Mode :	Mode 7	Temperature :	22~26°C
Test Channel :	100	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	1. 5500 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.7	30.19	-9.81	40	43.25	17.76	0.72	31.54	100	65	Peak
88.05	25.76	-17.74	43.5	47.78	8.46	1.06	31.54	-	-	Peak
133.95	29.29	-14.21	43.5	48.17	11.4	1.24	31.52	-	-	Peak
302.8	21.6	-24.4	46	37.71	13.37	1.79	31.27	-	-	Peak
384	22.19	-23.81	46	36.11	15.32	1.98	31.22	-	-	Peak
488.3	20.44	-25.56	46	31.47	17.86	2.21	31.1	-	-	Peak
5470	66.65	-1.65	68.3	58.47	34.27	6.92	33.01	123	112	Peak
5500	100.57	-	-	92.23	34.3	6.95	32.91	123	112	Average
5500	109.61	-	-	101.27	34.3	6.95	32.91	123	112	Peak
5725	51.93	-16.37	68.3	43.28	34.66	7.17	33.18	123	112	Peak

Test Mode :	Mode 8	Temperature :	22~26°C
Test Channel :	116	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	1. 5580 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.95	-18.05	40	33.01	19.8	0.7	31.56	100	131	Peak
199.29	22.42	-21.08	43.5	43.31	9.1	1.46	31.45	-	-	Peak
232.5	26.61	-19.39	46	45.96	10.56	1.59	31.5	-	-	Peak
335.7	25.88	-20.12	46	41.35	13.96	1.87	31.3	-	-	Peak
387.5	25.62	-20.38	46	39.41	15.44	1.98	31.21	-	-	Peak
553.4	20.55	-25.45	46	29.15	20	2.34	30.94	-	-	Peak
5470	51.06	-17.24	68.3	42.88	34.27	6.92	33.01	124	166	Peak
5580	98.81	-	-	90.38	34.41	7.02	33	124	166	Average
5580	108.09	-	-	99.66	34.41	7.02	33	124	166	Peak
5725	50.49	-17.81	68.3	41.84	34.66	7.17	33.18	124	166	Peak

Test Mode :	Mode 8	Temperature :	22~26°C
Test Channel :	116	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	1. 5580 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30.27	20.62	-19.38	40	31.68	19.8	0.7	31.56	100	41	Peak
172.02	16.29	-27.21	43.5	37.12	9.34	1.37	31.54	-	-	Peak
215.76	20.89	-22.61	43.5	41.58	9.26	1.53	31.48	-	-	Peak
360.2	18.5	-27.5	46	33.26	14.6	1.92	31.28	-	-	Peak
384	22.17	-23.83	46	36.09	15.32	1.98	31.22	-	-	Peak
492.5	18.86	-27.14	46	29.78	17.95	2.22	31.09	-	-	Peak
5470	51.14	-17.16	68.3	42.96	34.27	6.92	33.01	122	110	Peak
5580	100.73	-	-	92.3	34.41	7.02	33	122	110	Average
5580	110.08	-	-	101.65	34.41	7.02	33	122	110	Peak
5725	51.49	-16.81	68.3	42.84	34.66	7.17	33.18	122	110	Peak
11160	46.93	-27.07	74	54.63	37.8	10.16	55.66	100	0	Peak

Test Mode :	Mode 9	Temperature :	22~26°C
Test Channel :	140	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	1. 5700 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.87	-18.13	40	32.93	19.8	0.7	31.56	-	-	Peak
193.08	22.39	-21.11	43.5	43.65	8.76	1.45	31.47	-	-	Peak
232.5	26.7	-19.3	46	46.05	10.56	1.59	31.5	-	-	Peak
335.7	26.48	-19.52	46	41.95	13.96	1.87	31.3	-	-	Peak
384	29.76	-16.24	46	43.68	15.32	1.98	31.22	100	155	Peak
472.9	21.09	-24.91	46	32.4	17.63	2.18	31.12	-	-	Peak
5470	49.92	-18.38	68.3	41.74	34.27	6.92	33.01	100	162	Peak
5700	95.46	-	-	86.86	34.6	7.15	33.15	100	162	Average
5700	104.77	-	-	96.17	34.6	7.15	33.15	100	162	Peak
5725	63.19	-5.11	68.3	54.54	34.66	7.17	33.18	100	162	Peak

Test Mode :	Mode 9	Temperature :	22~26°C
Test Channel :	140	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	1. 5700 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.7	30.53	-9.47	40	43.59	17.76	0.72	31.54	100	61	Peak
87.78	26.18	-13.82	40	48.2	8.46	1.06	31.54	-	-	Peak
131.79	27.31	-16.19	43.5	46.2	11.4	1.23	31.52	-	-	Peak
307	21.81	-24.19	46	37.96	13.33	1.8	31.28	-	-	Peak
384	22.33	-23.67	46	36.25	15.32	1.98	31.22	-	-	Peak
465.9	19.3	-26.7	46	30.75	17.51	2.17	31.13	-	-	Peak
5470	48.91	-19.39	68.3	40.73	34.27	6.92	33.01	136	71	Peak
5700	99.7	-	-	91.1	34.6	7.15	33.15	136	71	Average
5700	108.66	-	-	100.06	34.6	7.15	33.15	136	71	Peak
5725	67.09	-1.21	68.3	58.44	34.66	7.17	33.18	136	71	Peak
11400	47.82	-26.18	74	54.98	37.94	10.23	55.33	100	0	Peak

Test Mode :	Mode 10	Temperature :	22~26°C
Test Channel :	140	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	1. 5700 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	50.6	-17.7	68.3	42.42	34.27	6.92	33.01	101	105	Peak
5700	101.24	-	-	92.64	34.6	7.15	33.15	101	105	Average
5700	110.19	-	-	101.59	34.6	7.15	33.15	101	105	Peak
5725	67.12	-1.18	68.3	58.47	34.66	7.17	33.18	101	105	Peak

Test Mode :	Mode 10	Temperature :	22~26°C
Test Channel :	140	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	1. 5700 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	49.96	-18.34	68.3	41.78	34.27	6.92	33.01	106	43	Peak
5700	100.24	-	-	91.64	34.6	7.15	33.15	106	43	Average
5700	109.89	-	-	101.29	34.6	7.15	33.15	106	43	Peak
5725	64.51	-3.79	68.3	55.86	34.66	7.17	33.18	106	43	Peak

Test Mode :	Mode 11	Temperature :	22~26°C
Test Channel :	36	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5180 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30.27	20.94	-19.06	40	32	19.8	0.7	31.56	-	-	Peak
199.83	22.93	-20.57	43.5	43.82	9.1	1.46	31.45	-	-	Peak
232.5	26.73	-19.27	46	46.08	10.56	1.59	31.5	-	-	Peak
335.7	26.97	-19.03	46	42.44	13.96	1.87	31.3	-	-	Peak
384	28.24	-17.76	46	42.16	15.32	1.98	31.22	100	31	Peak
468	21	-25	46	32.39	17.56	2.17	31.12	-	-	Peak
5147	50.42	-3.58	54	43.43	33.95	6.69	33.65	100	172	Average
5147	65.55	-8.45	74	58.56	33.95	6.69	33.65	100	172	Peak
5180	96.49	-	-	89.4	33.98	6.71	33.6	100	172	Average
5180	105.34	-	-	98.25	33.98	6.71	33.6	100	172	Peak
5438	38.95	-15.05	54	30.88	34.23	6.9	33.06	100	172	Average
5438	51.35	-22.65	74	43.28	34.23	6.9	33.06	100	172	Peak

Test Mode :	Mode 11	Temperature :	22~26°C
Test Channel :	36	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5180 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.43	30.76	-9.24	40	43.82	17.76	0.72	31.54	100	122	Peak
87.78	25.38	-14.62	40	47.4	8.46	1.06	31.54	-	-	Peak
134.76	29.22	-14.28	43.5	48.08	11.4	1.25	31.51	-	-	Peak
312.6	20.06	-25.94	46	36.19	13.34	1.81	31.28	-	-	Peak
384	21.48	-24.52	46	35.4	15.32	1.98	31.22	-	-	Peak
486.2	19.78	-26.22	46	30.86	17.82	2.2	31.1	-	-	Peak
5147.7	52.66	-1.34	54	45.67	33.95	6.69	33.65	112	82	Average
5147.7	67.55	-6.45	74	60.56	33.95	6.69	33.65	112	82	Peak
5180	99.24	-	-	92.15	33.98	6.71	33.6	112	82	Average
5180	108.48	-	-	101.39	33.98	6.71	33.6	112	82	Peak
5448	39.99	-14.01	54	31.9	34.25	6.9	33.06	112	82	Average
5448	51.8	-22.2	74	43.71	34.25	6.9	33.06	112	82	Peak

Test Mode :	Mode 12	Temperature :	22~26°C
Test Channel :	44	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5220 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.24	-18.76	40	32.3	19.8	0.7	31.56	-	-	Peak
170.4	17.46	-26.04	43.5	38.23	9.42	1.36	31.55	-	-	Peak
232.5	26.78	-19.22	46	46.13	10.56	1.59	31.5	-	-	Peak
335.7	26.49	-19.51	46	41.96	13.96	1.87	31.3	-	-	Peak
384	28.6	-17.4	46	42.52	15.32	1.98	31.22	100	163	Peak
479.9	20.65	-25.35	46	31.87	17.7	2.19	31.11	-	-	Peak
5144	40.07	-13.93	54	33.08	33.95	6.69	33.65	100	174	Average
5144	51.89	-22.11	74	44.9	33.95	6.69	33.65	100	174	Peak
5220	95.78	-	-	88.52	34.02	6.74	33.5	100	174	Average
5220	105.84	-	-	98.58	34.02	6.74	33.5	100	174	Peak
5442	39.63	-14.37	54	31.56	34.23	6.9	33.06	100	174	Average
5442	51.3	-22.7	74	43.23	34.23	6.9	33.06	100	174	Peak

Test Mode :	Mode 12	Temperature :	22~26°C
Test Channel :	44	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5220 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	31.05	-8.95	40	43.43	18.44	0.72	31.54	100	161	Peak
87.78	24.83	-15.17	40	46.85	8.46	1.06	31.54	-	-	Peak
131.79	27.46	-16.04	43.5	46.35	11.4	1.23	31.52	-	-	Peak
304.2	20.56	-25.44	46	36.69	13.35	1.79	31.27	-	-	Peak
384	22.1	-23.9	46	36.02	15.32	1.98	31.22	-	-	Peak
447	19.42	-26.58	46	31.33	17.11	2.13	31.15	-	-	Peak
5150	40.4	-13.6	54	33.41	33.95	6.69	33.65	111	81	Average
5150	52.5	-21.5	74	45.51	33.95	6.69	33.65	111	81	Peak
5220	100.08	-	-	92.82	34.02	6.74	33.5	111	81	Average
5220	109.09	-	-	101.83	34.02	6.74	33.5	111	81	Peak
5442	40.17	-13.83	54	32.1	34.23	6.9	33.06	111	81	Average
5442	51.72	-22.28	74	43.65	34.23	6.9	33.06	111	81	Peak

Test Mode :	Mode 13	Temperature :	22~26°C
Test Channel :	48	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5240 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.49	-18.51	40	32.55	19.8	0.7	31.56	-	-	Peak
169.59	17.86	-25.64	43.5	38.55	9.5	1.36	31.55	-	-	Peak
199.29	22.63	-20.87	43.5	43.52	9.1	1.46	31.45	-	-	Peak
335.7	27.88	-18.12	46	43.35	13.96	1.87	31.3	-	-	Peak
384	29.07	-16.93	46	42.99	15.32	1.98	31.22	100	221	Peak
479.9	22.25	-23.75	46	33.47	17.7	2.19	31.11	-	-	Peak
5116	39.57	-14.43	54	32.67	33.92	6.68	33.7	112	171	Average
5116	51.59	-22.41	74	44.69	33.92	6.68	33.7	112	171	Peak
5240	96.9	-	-	89.56	34.03	6.76	33.45	112	171	Average
5240	106.04	-	-	98.7	34.03	6.76	33.45	112	171	Peak
5386	39.34	-14.66	54	31.46	34.18	6.86	33.16	112	171	Average
5386	51.78	-22.22	74	43.9	34.18	6.86	33.16	112	171	Peak

Test Mode :	Mode 13	Temperature :	22~26°C
Test Channel :	48	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5240 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.97	31.03	-8.97	40	44.09	17.76	0.72	31.54	100	51	Peak
87.78	26.22	-13.78	40	48.24	8.46	1.06	31.54	-	-	Peak
131.79	27.28	-16.22	43.5	46.17	11.4	1.23	31.52	-	-	Peak
308.4	21.58	-24.42	46	37.74	13.32	1.8	31.28	-	-	Peak
384	22.77	-23.23	46	36.69	15.32	1.98	31.22	-	-	Peak
510	19.61	-26.39	46	30.21	18.2	2.25	31.05	-	-	Peak
5140	39.92	-14.08	54	32.99	33.95	6.68	33.7	111	82	Average
5140	52.08	-21.92	74	45.15	33.95	6.68	33.7	111	82	Peak
5240	100.66	-	-	93.32	34.03	6.76	33.45	111	82	Average
5240	109.77	-	-	102.43	34.03	6.76	33.45	111	82	Peak
5350	39.92	-14.08	54	32.2	34.15	6.83	33.26	111	82	Average
5350	52.16	-21.84	74	44.44	34.15	6.83	33.26	111	82	Peak

Test Mode :	Mode 14	Temperature :	22~26°C
Test Channel :	52	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5260 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	22.59	-17.41	40	33.65	19.8	0.7	31.56	-	-	Peak
167.97	17.31	-26.19	43.5	37.75	9.74	1.36	31.54	-	-	Peak
232.5	26.21	-19.79	46	45.56	10.56	1.59	31.5	-	-	Peak
335.7	25.67	-20.33	46	41.14	13.96	1.87	31.3	-	-	Peak
384	28.64	-17.36	46	42.56	15.32	1.98	31.22	100	116	Peak
474.3	20.57	-25.43	46	31.87	17.64	2.18	31.12	-	-	Peak
5114	39.2	-14.8	54	32.37	33.92	6.66	33.75	113	168	Average
5114	50.59	-23.41	74	43.76	33.92	6.66	33.75	113	168	Peak
5260	97.16	-	-	89.72	34.07	6.78	33.41	113	168	Average
5260	106.03	-	-	98.59	34.07	6.78	33.41	113	168	Peak
5444	39.63	-14.37	54	31.56	34.23	6.9	33.06	113	168	Average
5444	51.39	-22.61	74	43.32	34.23	6.9	33.06	113	168	Peak

Test Mode :	Mode 14	Temperature :	22~26°C
Test Channel :	52	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5260 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	30.65	-9.35	40	43.03	18.44	0.72	31.54	100	154	Peak
87.78	25.59	-14.41	40	47.61	8.46	1.06	31.54	-	-	Peak
131.79	27.9	-15.6	43.5	46.79	11.4	1.23	31.52	-	-	Peak
304.2	21.77	-24.23	46	37.9	13.35	1.79	31.27	-	-	Peak
384	22.63	-23.37	46	36.55	15.32	1.98	31.22	-	-	Peak
491.1	19.7	-26.3	46	30.66	17.92	2.21	31.09	-	-	Peak
5150	38.48	-15.52	54	31.49	33.95	6.69	33.65	113	81	Average
5150	51.32	-22.68	74	44.33	33.95	6.69	33.65	113	81	Peak
5260	100.3	-	-	92.86	34.07	6.78	33.41	113	81	Average
5260	109.13	-	-	101.69	34.07	6.78	33.41	113	81	Peak
5356	38.08	-15.92	54	30.29	34.15	6.85	33.21	113	81	Average
5356	52.65	-21.35	74	44.86	34.15	6.85	33.21	113	81	Peak

Test Mode :	Mode 15	Temperature :	22~26°C
Test Channel :	60	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5300 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.12	-18.88	40	32.18	19.8	0.7	31.56	-	-	Peak
199.29	22.64	-20.86	43.5	43.53	9.1	1.46	31.45	-	-	Peak
232.5	26.3	-19.7	46	45.65	10.56	1.59	31.5	-	-	Peak
335.7	25.86	-20.14	46	41.33	13.96	1.87	31.3	-	-	Peak
384	29.65	-16.35	46	43.57	15.32	1.98	31.22	100	41	Peak
479.9	20.54	-25.46	46	31.76	17.7	2.19	31.11	-	-	Peak
5150	39.57	-14.43	54	32.58	33.95	6.69	33.65	112	173	Average
5150	50.98	-23.02	74	43.99	33.95	6.69	33.65	112	173	Peak
5300	97.8	-	-	90.26	34.1	6.8	33.36	112	173	Average
5300	107.02	-	-	99.48	34.1	6.8	33.36	112	173	Peak
5350	41.14	-12.86	54	33.42	34.15	6.83	33.26	112	173	Average
5350	53.86	-20.14	74	46.14	34.15	6.83	33.26	112	173	Peak

Test Mode :	Mode 15	Temperature :	22~26°C
Test Channel :	60	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5300 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.7	30.52	-9.48	40	43.58	17.76	0.72	31.54	100	87	Peak
87.78	25.57	-14.43	40	47.59	8.46	1.06	31.54	-	-	Peak
133.68	27.92	-15.58	43.5	46.8	11.4	1.24	31.52	-	-	Peak
311.2	20.96	-25.04	46	37.11	13.32	1.81	31.28	-	-	Peak
384	22.45	-23.55	46	36.37	15.32	1.98	31.22	-	-	Peak
493.9	20.13	-25.87	46	31.03	17.97	2.22	31.09	-	-	Peak
5128	39.3	-14.7	54	32.39	33.93	6.68	33.7	121	78	Average
5128	51.59	-22.41	74	44.68	33.93	6.68	33.7	121	78	Peak
5300	99.65	-	-	92.11	34.1	6.8	33.36	121	78	Average
5300	108.65	-	-	101.11	34.1	6.8	33.36	121	78	Peak
5362	41.28	-12.72	54	33.47	34.17	6.85	33.21	121	78	Average
5362	56.06	-17.94	74	48.25	34.17	6.85	33.21	121	78	Peak

Test Mode :	Mode 16	Temperature :	22~26°C
Test Channel :	64	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5320 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	22.03	-17.97	40	33.09	19.8	0.7	31.56	-	-	Peak
197.67	22.07	-21.43	43.5	43.09	8.98	1.46	31.46	-	-	Peak
233.31	26.55	-19.45	46	45.78	10.68	1.59	31.5	-	-	Peak
335.7	26.61	-19.39	46	42.08	13.96	1.87	31.3	-	-	Peak
384	29.39	-16.61	46	43.31	15.32	1.98	31.22	100	111	Peak
563.2	21.21	-24.79	46	29.64	20.15	2.35	30.93	-	-	Peak
5018	39.04	-14.96	54	32.58	33.82	6.59	33.95	114	175	Average
5018	51.32	-22.68	74	44.86	33.82	6.59	33.95	114	175	Peak
5320	98.05	-	-	90.43	34.12	6.81	33.31	114	175	Average
5320	107.06	-	-	99.44	34.12	6.81	33.31	114	175	Peak
5352.74	50.43	-3.57	54	42.71	34.15	6.83	33.26	114	175	Average
5352.74	71.29	-2.71	74	63.57	34.15	6.83	33.26	114	175	Peak

Test Mode :	Mode 16	Temperature :	22~26°C
Test Channel :	64	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5320 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	30.33	-9.67	40	42.71	18.44	0.72	31.54	100	61	Peak
87.78	26.32	-13.68	40	48.34	8.46	1.06	31.54	-	-	Peak
131.79	28.6	-14.9	43.5	47.49	11.4	1.23	31.52	-	-	Peak
307	21.84	-24.16	46	37.99	13.33	1.8	31.28	-	-	Peak
384	21.96	-24.04	46	35.88	15.32	1.98	31.22	-	-	Peak
478.5	20.04	-25.96	46	31.28	17.68	2.19	31.11	-	-	Peak
5098	39.34	-14.66	54	32.53	33.9	6.66	33.75	121	81	Average
5098	50.77	-23.23	74	43.96	33.9	6.66	33.75	121	81	Peak
5320	98.79	-	-	91.17	34.12	6.81	33.31	121	81	Average
5320	108.67	-	-	101.05	34.12	6.81	33.31	121	81	Peak
5353.36	52	-2	54	44.28	34.15	6.83	33.26	121	81	Average
5353.36	72.97	-1.03	74	65.25	34.15	6.83	33.26	121	81	Peak

Test Mode :	Mode 17	Temperature :	22~26°C
Test Channel :	100	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	1. 5500 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	20.91	-19.09	40	31.97	19.8	0.7	31.56	-	-	Peak
196.59	21.88	-21.62	43.5	42.97	8.92	1.45	31.46	-	-	Peak
233.31	26.15	-19.85	46	45.38	10.68	1.59	31.5	-	-	Peak
323.1	25.28	-20.72	46	41.14	13.59	1.84	31.29	-	-	Peak
384	28.67	-17.33	46	42.59	15.32	1.98	31.22	100	21	Peak
475	21.33	-24.67	46	32.61	17.65	2.18	31.11	-	-	Peak
5470	64.54	-3.76	68.3	56.36	34.27	6.92	33.01	105	168	Peak
5500	97.86	-	-	89.52	34.3	6.95	32.91	105	168	Average
5500	107.39	-	-	99.05	34.3	6.95	32.91	105	168	Peak
5725	51.42	-16.88	68.3	42.77	34.66	7.17	33.18	105	168	Peak

Test Mode :	Mode 17	Temperature :	22~26°C
Test Channel :	100	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	1. 5500 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
31.89	30.33	-9.67	40	42.71	18.44	0.72	31.54	100	68	Peak
88.59	25.22	-18.28	43.5	47.24	8.46	1.06	31.54	-	-	Peak
132.87	28.6	-14.9	43.5	47.48	11.4	1.24	31.52	-	-	Peak
304.2	20.86	-25.14	46	36.99	13.35	1.79	31.27	-	-	Peak
384	22.58	-23.42	46	36.5	15.32	1.98	31.22	-	-	Peak
486.2	19.9	-26.1	46	30.98	17.82	2.2	31.1	-	-	Peak
5470	66.08	-2.22	68.3	57.9	34.27	6.92	33.01	119	77	Peak
5500	98.99	-	-	90.65	34.3	6.95	32.91	119	77	Average
5500	108.57	-	-	100.23	34.3	6.95	32.91	119	77	Peak
5725	50.98	-17.32	68.3	42.33	34.66	7.17	33.18	119	77	Peak
11000	46.7	-27.3	74	54.78	37.7	10.11	55.89	100	0	Peak

Test Mode :	Mode 18	Temperature :	22~26°C
Test Channel :	116	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	1. 5580 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.46	-18.54	40	32.52	19.8	0.7	31.56	100	32	Peak
170.94	17.47	-26.03	43.5	38.24	9.42	1.36	31.55	-	-	Peak
232.5	26.3	-19.7	46	45.65	10.56	1.59	31.5	-	-	Peak
335.7	25.16	-20.84	46	40.63	13.96	1.87	31.3	-	-	Peak
387.5	24.95	-21.05	46	38.74	15.44	1.98	31.21	-	-	Peak
556.9	21.09	-24.91	46	29.54	20.15	2.34	30.94	-	-	Peak
5470	51.02	-17.28	68.3	42.84	34.27	6.92	33.01	105	168	Peak
5580	98.13	-	-	89.7	34.41	7.02	33	105	168	Average
5580	107.05	-	-	98.62	34.41	7.02	33	105	168	Peak
5725	51.56	-16.74	68.3	42.91	34.66	7.17	33.18	105	168	Peak

Test Mode :	Mode 18	Temperature :	22~26°C
Test Channel :	116	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	1. 5580 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.97	29.87	-10.13	40	42.93	17.76	0.72	31.54	100	167	Peak
87.78	25.12	-14.88	40	47.14	8.46	1.06	31.54	-	-	Peak
134.76	28.31	-15.19	43.5	47.17	11.4	1.25	31.51	-	-	Peak
308.4	20.12	-25.88	46	36.28	13.32	1.8	31.28	-	-	Peak
384	22.55	-23.45	46	36.47	15.32	1.98	31.22	-	-	Peak
479.9	20.81	-25.19	46	32.03	17.7	2.19	31.11	-	-	Peak
5470	50.32	-17.98	68.3	42.14	34.27	6.92	33.01	121	89	Peak
5580	99.39	-	-	90.96	34.41	7.02	33	121	89	Average
5580	108.94	-	-	100.51	34.41	7.02	33	121	89	Peak
5725	52.05	-16.25	68.3	43.4	34.66	7.17	33.18	121	89	Peak
11160	46.65	-27.35	74	54.35	37.8	10.16	55.66	100	0	Peak

Test Mode :	Mode 19	Temperature :	22~26°C
Test Channel :	140	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	1. 5700 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30.81	21.63	-18.37	40	33.35	19.12	0.71	31.55	-	-	Peak
129.36	14.91	-28.59	43.5	33.73	11.48	1.22	31.52	-	-	Peak
199.29	22.69	-20.81	43.5	43.58	9.1	1.46	31.45	-	-	Peak
319.6	25	-21	46	40.96	13.5	1.83	31.29	-	-	Peak
335.7	26.64	-19.36	46	42.11	13.96	1.87	31.3	-	-	Peak
384	29.75	-16.25	46	43.67	15.32	1.98	31.22	100	61	Peak
5470	49.51	-18.79	68.3	41.33	34.27	6.92	33.01	100	163	Peak
5700	93.66	-	-	85.06	34.6	7.15	33.15	100	163	Average
5700	103.87	-	-	95.27	34.6	7.15	33.15	100	163	Peak
5725	65.81	-2.49	68.3	57.16	34.66	7.17	33.18	100	163	Peak

Test Mode :	Mode 19	Temperature :	22~26°C
Test Channel :	140	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	1. 5700 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.43	30.35	-9.65	40	43.41	17.76	0.72	31.54	100	88	Peak
88.05	25.51	-17.99	43.5	47.53	8.46	1.06	31.54	-	-	Peak
131.79	28.29	-15.21	43.5	47.18	11.4	1.23	31.52	-	-	Peak
312.6	19.74	-26.26	46	35.87	13.34	1.81	31.28	-	-	Peak
384	22.69	-23.31	46	36.61	15.32	1.98	31.22	-	-	Peak
486.2	19.82	-26.18	46	30.9	17.82	2.2	31.1	-	-	Peak
5470	49.89	-18.41	68.3	41.71	34.27	6.92	33.01	160	11	Peak
5700	95.87	-	-	87.27	34.6	7.15	33.15	160	11	Average
5700	105.72	-	-	97.12	34.6	7.15	33.15	160	11	Peak
5725	67.03	-1.27	68.3	58.38	34.66	7.17	33.18	160	11	Peak
11400	46.82	-27.18	74	53.98	37.94	10.23	55.33	100	0	Peak

Test Mode :	Mode 20	Temperature :	22~26°C
Test Channel :	38	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5190 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	22.19	-17.81	40	33.25	19.8	0.7	31.56	-	-	Peak
171.48	17.55	-25.95	43.5	38.38	9.34	1.37	31.54	-	-	Peak
233.31	26.5	-19.5	46	45.73	10.68	1.59	31.5	-	-	Peak
319.6	25.6	-20.4	46	41.56	13.5	1.83	31.29	-	-	Peak
384	28.77	-17.23	46	42.69	15.32	1.98	31.22	100	61	Peak
450.5	20.28	-25.72	46	32.07	17.22	2.14	31.15	-	-	Peak
5150	50.81	-3.19	54	43.5	33.95	6.69	33.33	113	176	Average
5150	64.87	-9.13	74	57.56	33.95	6.69	33.33	113	176	Peak
5190	89.91	-	-	82.51	33.98	6.73	33.31	113	176	Average
5190	99.3	-	-	91.9	33.98	6.73	33.31	113	176	Peak
5350	39.3	-14.7	54	31.56	34.15	6.83	33.24	113	176	Average
5350	51.16	-22.84	74	43.42	34.15	6.83	33.24	113	176	Peak

Test Mode :	Mode 20	Temperature :	22~26°C
Test Channel :	38	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5190 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	30.66	-9.34	40	43.04	18.44	0.72	31.54	100	87	Peak
88.32	26.05	-17.45	43.5	48.07	8.46	1.06	31.54	-	-	Peak
134.76	27.72	-15.78	43.5	46.58	11.4	1.25	31.51	-	-	Peak
311.2	20.77	-25.23	46	36.92	13.32	1.81	31.28	-	-	Peak
384	22.69	-23.31	46	36.61	15.32	1.98	31.22	-	-	Peak
599.6	32.67	-13.33	46	41.23	19.89	2.42	30.87	-	-	Peak
5150	52.98	-1.02	54	45.67	33.95	6.69	33.33	141	86	Average
5150	66.47	-7.53	74	59.16	33.95	6.69	33.33	141	86	Peak
5190	92.29	-	-	84.89	33.98	6.73	33.31	141	86	Average
5190	102.1	-	-	94.7	33.98	6.73	33.31	141	86	Peak
5350	39.41	-14.59	54	31.67	34.15	6.83	33.24	141	86	Average
5350	50.65	-23.35	74	42.91	34.15	6.83	33.24	141	86	Peak

Test Mode :	Mode 21	Temperature :	22~26°C
Test Channel :	46	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5230 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.37	-18.63	40	32.43	19.8	0.7	31.56	-	-	Peak
120.72	15.9	-27.6	43.5	34.41	11.8	1.21	31.52	-	-	Peak
233.31	26.03	-19.97	46	45.26	10.68	1.59	31.5	-	-	Peak
319.6	24.63	-21.37	46	40.59	13.5	1.83	31.29	-	-	Peak
335.7	24.92	-21.08	46	40.39	13.96	1.87	31.3	-	-	Peak
384	28.61	-17.39	46	42.53	15.32	1.98	31.22	100	56	Peak
5150	48.67	-5.33	54	41.36	33.95	6.69	33.33	112	175	Average
5150	62.55	-11.45	74	55.24	33.95	6.69	33.33	112	175	Peak
5230	97.09	-	-	89.62	34.03	6.74	33.3	112	175	Average
5230	106.93	-	-	99.46	34.03	6.74	33.3	112	175	Peak
5350	39.72	-14.28	54	31.98	34.15	6.83	33.24	112	175	Average
5350	51.1	-22.9	74	43.36	34.15	6.83	33.24	112	175	Peak

Test Mode :	Mode 21	Temperature :	22~26°C
Test Channel :	46	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5230 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	30.56	-9.44	40	42.94	18.44	0.72	31.54	100	74	Peak
87.78	26.18	-13.82	40	48.2	8.46	1.06	31.54	-	-	Peak
132.06	28.52	-14.98	43.5	47.41	11.4	1.23	31.52	-	-	Peak
308.4	21.45	-24.55	46	37.61	13.32	1.8	31.28	-	-	Peak
384	22.15	-23.85	46	36.07	15.32	1.98	31.22	-	-	Peak
482.7	20.59	-25.41	46	31.73	17.76	2.2	31.1	-	-	Peak
5150	50.08	-3.92	54	42.77	33.95	6.69	33.33	125	90	Average
5150	64.27	-9.73	74	56.96	33.95	6.69	33.33	125	90	Peak
5230	98.67	-	-	91.2	34.03	6.74	33.3	125	90	Average
5230	108.49	-	-	101.02	34.03	6.74	33.3	125	90	Peak
5350	39.79	-14.21	54	32.05	34.15	6.83	33.24	125	90	Average
5350	51.17	-22.83	74	43.43	34.15	6.83	33.24	125	90	Peak

Test Mode :	Mode 22	Temperature :	22~26°C
Test Channel :	54	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5270 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	22.64	-17.36	40	33.7	19.8	0.7	31.56	-	-	Peak
171.48	17.4	-26.1	43.5	38.23	9.34	1.37	31.54	-	-	Peak
233.31	26.85	-19.15	46	46.08	10.68	1.59	31.5	-	-	Peak
303.5	25.13	-20.87	46	41.25	13.36	1.79	31.27	-	-	Peak
335.7	26.3	-19.7	46	41.77	13.96	1.87	31.3	-	-	Peak
384	28.84	-17.16	46	42.76	15.32	1.98	31.22	100	61	Peak
5150	41.37	-12.63	54	34.06	33.95	6.69	33.33	111	176	Average
5150	53.87	-20.13	74	46.56	33.95	6.69	33.33	111	176	Peak
5270	97.14	-	-	89.56	34.07	6.78	33.27	111	176	Average
5270	107.02	-	-	99.44	34.07	6.78	33.27	111	176	Peak
5350	44.46	-9.54	54	36.72	34.15	6.83	33.24	111	176	Average
5350	59.93	-14.07	74	52.19	34.15	6.83	33.24	111	176	Peak

Test Mode :	Mode 22	Temperature :	22~26°C
Test Channel :	54	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5270 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	31.54	-8.46	40	43.92	18.44	0.72	31.54	100	331	Peak
87.78	25.82	-14.18	40	47.84	8.46	1.06	31.54	-	-	Peak
131.79	28.61	-14.89	43.5	47.5	11.4	1.23	31.52	-	-	Peak
306.3	21.34	-24.66	46	37.48	13.34	1.8	31.28	-	-	Peak
384	22.78	-23.22	46	36.7	15.32	1.98	31.22	-	-	Peak
481.3	19.55	-26.45	46	30.74	17.72	2.2	31.11	-	-	Peak
5150	41.78	-12.22	54	34.47	33.95	6.69	33.33	103	181	Average
5150	56.43	-17.57	74	49.12	33.95	6.69	33.33	103	181	Peak
5270	98.87	-	-	91.29	34.07	6.78	33.27	103	181	Average
5270	108.72	-	-	101.14	34.07	6.78	33.27	103	181	Peak
5350	45.71	-8.29	54	37.97	34.15	6.83	33.24	103	181	Average
5350	62.51	-11.49	74	54.77	34.15	6.83	33.24	103	181	Peak

Test Mode :	Mode 23	Temperature :	22~26°C
Test Channel :	62	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5310 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30.27	21.91	-18.09	40	32.97	19.8	0.7	31.56	-	-	Peak
171.75	17.83	-25.67	43.5	38.66	9.34	1.37	31.54	-	-	Peak
233.31	25.92	-20.08	46	45.15	10.68	1.59	31.5	-	-	Peak
319.6	26.2	-19.8	46	42.16	13.5	1.83	31.29	-	-	Peak
335.7	26.82	-19.18	46	42.29	13.96	1.87	31.3	-	-	Peak
384	29.07	-16.93	46	42.99	15.32	1.98	31.22	100	133	Peak
5150	39.62	-14.38	54	32.31	33.95	6.69	33.33	110	174	Average
5150	51.12	-22.88	74	43.81	33.95	6.69	33.33	110	174	Peak
5310	90.91	-	-	83.23	34.12	6.81	33.25	110	174	Average
5310	100.74	-	-	93.06	34.12	6.81	33.25	110	174	Peak
5350	50.58	-3.42	54	42.84	34.15	6.83	33.24	110	174	Average
5350	64.54	-9.46	74	56.8	34.15	6.83	33.24	110	174	Peak

Test Mode :	Mode 23	Temperature :	22~26°C
Test Channel :	62	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5310 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.7	30.13	-9.87	40	43.19	17.76	0.72	31.54	100	211	Peak
88.05	25.24	-18.26	43.5	47.26	8.46	1.06	31.54	-	-	Peak
131.79	29.52	-13.98	43.5	48.41	11.4	1.23	31.52	-	-	Peak
308.4	22.09	-23.91	46	38.25	13.32	1.8	31.28	-	-	Peak
384	21.7	-24.3	46	35.62	15.32	1.98	31.22	-	-	Peak
479.9	20.45	-25.55	46	31.67	17.7	2.19	31.11	-	-	Peak
5150	39.8	-14.2	54	32.49	33.95	6.69	33.33	102	179	Average
5150	50.52	-23.48	74	43.21	33.95	6.69	33.33	102	179	Peak
5310	93.76	-	-	86.08	34.12	6.81	33.25	102	179	Average
5310	103.35	-	-	95.67	34.12	6.81	33.25	102	179	Peak
5350	52.44	-1.56	54	44.7	34.15	6.83	33.24	102	179	Average
5350	66.11	-7.89	74	58.37	34.15	6.83	33.24	102	179	Peak

Test Mode :	Mode 24	**Temperature :**	22~26°C
Test Channel :	102	**Relative Humidity :**	53~59%
Test Engineer :	Wii Chang	**Polarization :**	Horizontal
Remark :	1. 5510 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.64	-18.36	40	32.7	19.8	0.7	31.56	-	-	Peak
170.67	17.61	-25.89	43.5	38.38	9.42	1.36	31.55	-	-	Peak
199.29	22.11	-21.39	43.5	43	9.1	1.46	31.45	-	-	Peak
319.6	25.43	-20.57	46	41.39	13.5	1.83	31.29	-	-	Peak
335.7	27.38	-18.62	46	42.85	13.96	1.87	31.3	-	-	Peak
384	28.84	-17.16	46	42.76	15.32	1.98	31.22	100	119	Peak
5470	61.22	-7.08	68.3	53.22	34.27	6.92	33.19	113	123	Peak
5510	87.24	-	-	79.16	34.3	6.95	33.17	113	123	Average
5510	96.7	-	-	88.62	34.3	6.95	33.17	113	123	Peak
5725	51.09	-17.21	68.3	42.45	34.66	7.17	33.19	113	123	Peak

Test Mode :	Mode 24	Temperature :	22~26°C
Test Channel :	102	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	1. 5510 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	29.82	-10.18	40	42.2	18.44	0.72	31.54	100	314	Peak
88.32	25.68	-17.82	43.5	47.7	8.46	1.06	31.54	-	-	Peak
132.06	29.18	-14.32	43.5	48.07	11.4	1.23	31.52	-	-	Peak
314	20.37	-25.63	46	36.46	13.38	1.81	31.28	-	-	Peak
384	22.85	-23.15	46	36.77	15.32	1.98	31.22	-	-	Peak
484.8	19.17	-26.83	46	30.27	17.8	2.2	31.1	-	-	Peak
5470	66.73	-1.57	68.3	58.73	34.27	6.92	33.19	111	168	Peak
5510	93.79	-	-	85.71	34.3	6.95	33.17	111	168	Average
5510	102.99	-	-	94.91	34.3	6.95	33.17	111	168	Peak
5725	50.86	-17.44	68.3	42.22	34.66	7.17	33.19	111	168	Peak

Test Mode :	Mode 25	Temperature :	22~26°C
Test Channel :	110	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	1. 5550 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30.27	21.2	-18.8	40	32.26	19.8	0.7	31.56	-	-	Peak
193.89	21.74	-21.76	43.5	42.98	8.78	1.45	31.47	-	-	Peak
232.5	25.87	-20.13	46	45.22	10.56	1.59	31.5	-	-	Peak
303.5	24.39	-21.61	46	40.51	13.36	1.79	31.27	-	-	Peak
335.7	25.83	-20.17	46	41.3	13.96	1.87	31.3	-	-	Peak
384	28.56	-17.44	46	42.48	15.32	1.98	31.22	100	118	Peak
5470	54.75	-13.55	68.3	46.75	34.27	6.92	33.19	100	126	Peak
5550	91.71	-	-	83.5	34.38	7	33.17	100	126	Average
5550	101.59	-	-	93.38	34.38	7	33.17	100	126	Peak
5725	52.76	-15.54	68.3	44.12	34.66	7.17	33.19	100	126	Peak

Test Mode :	Mode 25	**Temperature :**	22~26°C
Test Channel :	110	**Relative Humidity :**	53~59%
Test Engineer :	Wii Chang	**Polarization :**	Vertical
Remark :	1. 5550 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	30.7	-9.3	40	43.08	18.44	0.72	31.54	100	147	Peak
87.78	25.74	-14.26	40	47.76	8.46	1.06	31.54	-	-	Peak
133.95	29.34	-14.16	43.5	48.22	11.4	1.24	31.52	-	-	Peak
307.7	19.96	-26.04	46	36.11	13.33	1.8	31.28	-	-	Peak
384	22.37	-23.63	46	36.29	15.32	1.98	31.22	-	-	Peak
485.5	19.57	-26.43	46	30.65	17.82	2.2	31.1	-	-	Peak
5470	61.83	-6.47	68.3	53.83	34.27	6.92	33.19	111	173	Peak
5550	99.03	-	-	90.82	34.38	7	33.17	111	173	Average
5550	109.26	-	-	101.05	34.38	7	33.17	111	173	Peak
5725	51.05	-17.25	68.3	42.41	34.66	7.17	33.19	111	173	Peak

Test Mode :	Mode 26	Temperature :	22~26°C
Test Channel :	134	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	1. 5670 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.76	-18.24	40	32.82	19.8	0.7	31.56	-	-	Peak
184.71	18.46	-25.04	43.5	39.72	8.82	1.42	31.5	-	-	Peak
233.31	26.66	-19.34	46	45.89	10.68	1.59	31.5	-	-	Peak
335.7	26.84	-19.16	46	42.31	13.96	1.87	31.3	-	-	Peak
384	29.71	-16.29	46	43.63	15.32	1.98	31.22	100	139	Peak
467.3	20.68	-25.32	46	32.09	17.55	2.17	31.13	-	-	Peak
5470	51.13	-22.87	68.3	43.13	34.27	6.92	33.19	101	162	Peak
5670	93.72	-	-	85.2	34.58	7.12	33.18	101	162	Average
5670	103.46	-	-	94.94	34.58	7.12	33.18	101	162	Peak
5725	61.25	-7.05	68.3	52.61	34.66	7.17	33.19	101	162	Peak

Test Mode :	Mode 26	Temperature :	22~26°C
Test Channel :	134	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	1. 5670 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band, and its limit line is 68.3dBuV/m.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.43	30.74	-9.26	40	43.8	17.76	0.72	31.54	100	167	Peak
88.32	26.14	-17.36	43.5	48.16	8.46	1.06	31.54	-	-	Peak
132.06	29.43	-14.07	43.5	48.32	11.4	1.23	31.52	-	-	Peak
307.7	21.19	-24.81	46	37.34	13.33	1.8	31.28	-	-	Peak
384	22.42	-23.58	46	36.34	15.32	1.98	31.22	-	-	Peak
464.5	19.44	-26.56	46	30.91	17.49	2.17	31.13	-	-	Peak
5470	49.95	-24.05	68.3	41.95	34.27	6.92	33.19	138	79	Peak
5670	96.29	-	-	87.77	34.58	7.12	33.18	138	79	Average
5670	106.18	-	-	97.66	34.58	7.12	33.18	138	79	Peak
5725	65.23	-3.07	68.3	56.59	34.66	7.17	33.19	138	79	Peak

Test Mode :	Mode 27	Temperature :	22~26°C
Test Channel :	38	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5190 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5149.45	52.87	-1.13	54	45.88	33.95	6.69	33.65	102	116	Average
5149.45	65.31	-8.69	74	58.32	33.95	6.69	33.65	102	116	Peak
5190	94.04	-	-	86.88	33.98	6.73	33.55	102	116	Average
5190	103.93	-	-	96.77	33.98	6.73	33.55	102	116	Peak
5388	40.03	-13.97	54	32.15	34.18	6.86	33.16	102	116	Average
5388	52.71	-21.29	74	44.83	34.18	6.86	33.16	102	116	Peak

Test Mode :	Mode 27	Temperature :	22~26°C
Test Channel :	38	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5190 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	52.57	-1.43	54	45.58	33.95	6.69	33.65	108	36	Average
5150	66.44	-7.56	74	59.45	33.95	6.69	33.65	108	36	Peak
5190	92.24	-	-	85.08	33.98	6.73	33.55	108	36	Average
5190	101.4	-	-	94.24	33.98	6.73	33.55	108	36	Peak
5450	40.06	-13.94	54	31.97	34.25	6.9	33.06	108	36	Average
5450	52.28	-21.72	74	44.19	34.25	6.9	33.06	108	36	Peak

Test Mode :	Mode 28	Temperature :	22~26°C
Test Channel :	38	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5190 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30	21.79	-18.21	40	32.85	19.8	0.7	31.56	-	-	Peak
199.83	22.33	-21.17	43.5	43.22	9.1	1.46	31.45	-	-	Peak
233.31	27.1	-18.9	46	46.33	10.68	1.59	31.5	-	-	Peak
303.5	24.7	-21.3	46	40.82	13.36	1.79	31.27	-	-	Peak
335.7	26.08	-19.92	46	41.55	13.96	1.87	31.3	-	-	Peak
384	29.41	-16.59	46	43.33	15.32	1.98	31.22	100	151	Peak
5150	49.9	-4.1	54	42.91	33.95	6.69	33.65	127	184	Average
5150	62.89	-11.11	74	55.9	33.95	6.69	33.65	127	184	Peak
5190	89.77	-	-	82.61	33.98	6.73	33.55	127	184	Average
5190	101.81	-	-	94.65	33.98	6.73	33.55	127	184	Peak
5436	39.83	-14.17	54	31.76	34.23	6.9	33.06	127	184	Average
5436	51.93	-22.07	74	43.86	34.23	6.9	33.06	127	184	Peak

Test Mode :	Mode 28	Temperature :	22~26°C
Test Channel :	38	Relative Humidity :	53~59%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5190 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
32.16	30.4	-9.6	40	42.78	18.44	0.72	31.54	100	94	Peak
87.78	26.51	-13.49	40	48.53	8.46	1.06	31.54	-	-	Peak
131.79	29.34	-14.16	43.5	48.23	11.4	1.23	31.52	-	-	Peak
311.2	19.94	-26.06	46	36.09	13.32	1.81	31.28	-	-	Peak
384	22.72	-23.28	46	36.64	15.32	1.98	31.22	-	-	Peak
541.5	20.96	-25.04	46	30.81	18.81	2.31	30.97	-	-	Peak
5149.8	49.99	-4.01	54	43	33.95	6.69	33.65	115	216	Average
5149.8	63.44	-10.56	74	56.45	33.95	6.69	33.65	115	216	Peak
5190	91.56	-	-	84.4	33.98	6.73	33.55	115	216	Average
5190	102	-	-	94.84	33.98	6.73	33.55	115	216	Peak
5438	40.07	-13.93	54	32	34.23	6.9	33.06	115	216	Average
5438	51.59	-22.41	74	43.52	34.23	6.9	33.06	115	216	Peak

3.3 Antenna Requirements

3.3.1 Standard Applicable

According to FCC 47 CFR Section 15.407(a)(1)(2) ,if transmitting antenna directional gain is greater than 6 dBi, both the peak transmit power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.3.2 Antenna Connected Construction

The antennas type used in this product is PIFA Antenna without connector and it is considered to meet antenna requirement of FCC.

3.3.3 Antenna Gain

The antenna gain is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Power Meter	Anritsu	ML2495A	0932001	N/A	Sep. 18, 2011	Nov. 16, 2011~ Dec. 01, 2011	Sep. 17, 2012	Conducted (TH02-HY)
Power Sensor	Anritsu	MA2411B	0846202	N/A	Sep. 18, 2011	Nov. 16, 2011~ Dec. 01, 2011	Sep. 17, 2012	Conducted (TH02-HY)
Power Meter	Agilent	E4416A	GB41292344	N/A	Feb. 18, 2011	Nov. 16, 2011~ Dec. 01, 2011	Feb. 17, 2012	Conducted (TH02-HY)
Power Sensor	Agilent	E9327A	US40441548	N/A	Feb. 18, 2011	Nov. 16, 2011~ Dec. 01, 2011	Feb. 17, 2012	Conducted (TH02-HY)
EMI Test Receive	R&S	ESCI 7	100724	9kHz~7GHz	Aug. 22, 2011	Nov. 29, 2011	Aug. 21, 2012	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100081	9KHz – 30MHz	Dec. 03, 2010	Nov. 29, 2011	Dec. 02, 2011	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100080	9KHz – 30MHz	Dec. 01, 2010	Nov. 29, 2011	Nov. 30, 2011	Conduction (CO05-HY)
AC Power Source	APC	APC-1000W	N/A	N/A	N/A	Nov. 29, 2011	N/A	Conduction (CO05-HY)
Spectrum Analyzer	R&S	FSP30	101352	9KHz-30GHz	Nov. 03, 2011	Nov. 26, 2011~ Nov. 27, 2011	Nov. 02, 2012	Radiation (03CH05-HY)
COM-POWER	Double Ridge Horn	AH-118	701030	1GHz~18GHz	N/A	Nov. 26, 2011~ Nov. 27, 2011	N/A	Radiation (03CH05-HY)
Bilog Antenna	SCHAFFNER	CBL6111C	2725	30MHz ~ 1GHz	Oct. 22, 2011	Nov. 26, 2011~ Nov. 27, 2011	Oct. 21, 2012	Radiation (03CH05-HY)
Turn Table	HD	Deis HD 2000	420/611	0 - 360 degree	N/A	Nov. 26, 2011~ Nov. 27, 2011	N/A	Radiation (03CH05-HY)
Antenna Mast	HD	MA 240	240/666	1 m - 4 m	N/A	Nov. 26, 2011~ Nov. 27, 2011	N/A	Radiation (03CH05-HY)
Horn Antenna	ESCO	3117	66584	1GHz ~ 18GHz	Aug. 04, 2011	Nov. 26, 2011~ Nov. 27, 2011	Aug. 03, 2012	Radiation (03CH05-HY)
COM-POWER	COM-POWER	PA-103	161075	1KHz - 1GHz	Mar. 29, 2011	Nov. 26, 2011~ Nov. 27, 2011	Mar. 28, 2012	Radiation (03CH05-HY)
Pre Amplifier	EMCI	EMC051845	SN980048	1GHz~18GHz	Jul. 19, 2011	Nov. 26, 2011~ Nov. 27, 2011	Jul. 18, 2012	Radiation (03CH05-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	159087	1GHz~18GHz	Feb. 21, 2011	Nov. 26, 2011~ Nov. 27, 2011	Feb. 20, 2012	Radiation (03CH05-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1GHz- 26.5GHz	Apr. 14, 2011	Nov. 26, 2011~ Nov. 27, 2011	Apr. 13, 2012	Radiation (03CH05-HY)

5 Uncertainty of Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Contribution	Uncertainty of X_i		$u(X_i)$
	dB	Probability Distribution	
Receiver Reading	0.10	Normal (k=2)	0.05
Cable Loss	0.10	Normal (k=2)	0.05
AMN Insertion Loss	2.50	Rectangular	0.63
Receiver Specification	1.50	Rectangular	0.43
Site Imperfection	1.39	Rectangular	0.80
Mismatch	+0.34 / -0.35	U-Shape	0.24
Combined Standard Uncertainty Uc(y)	**1.13**		
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.26**		

Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)

Contribution	Uncertainty of X_i		$u(X_i)$
	dB	Probability Distribution	
Receiver Reading	0.41	Normal (k=2)	0.21
Antenna Factor Calibration	0.83	Normal (k=2)	0.42
Cable Loss Calibration	0.25	Normal (k=2)	0.13
Pre-Amplifier Gain Calibration	0.27	Normal (k=2)	0.14
RCV/SPA Specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site Imperfection	1.43	Rectangular	0.83
Mismatch	+0.39 / -0.41	U-Shape	0.28
Combined Standard Uncertainty Uc(y)	**1.27**		
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.54**		

Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

Contribution	Uncertainty of X_i		$u(X_i)$	C_i	$C_i * u(X_i)$
	dB	Probability Distribution			
Receiver Reading	±0.10	Normal (k=2)	0.10	1	0.10
Antenna Factor Calibration	±1.70	Normal (k=2)	0.85	1	0.85
Cable Loss Calibration	±0.50	Normal (k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site Imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR Γ1 = 0.197 Antenna VSWR Γ2 = 0.194 Uncertainty = 20Log(1-Γ1*Γ2)	+0.34 / -0.35	U-Shape	0.244	1	0.244
Combined Standard Uncertainty Uc(y)	**2.36**				
Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**4.72**				

Appendix A. Photographs of EUT

Please refer to Sporton report number EP1N0901 as below.