

Partial FCC RF Test Report

APPLICANT : DAP Technologies

**EQUIPMENT**: Rugged Mobile Tablet Computer

BRAND NAME : DAP

MODEL NAME : 9000WBWZV1

MARKETING NAME : M9010

FCC ID : T5M9000WBWZV1

STANDARD : FCC Part 15 Subpart E

**CLASSIFICATION**: Unlicensed National Information Infrastructure (UNII)

The product was integrated the WLAN Module (Brand Name: Summit Data Communications / Model Name: SDC-PE15N, FCC ID: TWG-SDCPE15N) during the test.

This is a partial report which is included the Radiated Emission and Conducted Emission tests item. The product was received on Jul. 07, 2011 and completely tested on Sep. 19, 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 / Manager

lac-MRA



Report No.: FR170707C

SPORTON INTERNATIONAL INC.

No. 52, Hwa Ya 1<sup>st</sup> Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: T5M9000WBWZV1 Page Number : 1 of 68
Report Issued Date : Oct. 24, 2011
Report Version : Rev. 01



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# **REVISION HISTORY**

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR170707C	Rev. 01	Initial issue of report	Oct. 24, 2011

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**SUMMARY OF TEST RESULT** 

Report Section	FCC Rule	IC Rule	Description	Limit	Result	Remark
3.1	15.407(b)	A9.3	Frequency Band Edges	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	-
3.2	15.207	Gen 7.2.4	AC Conducted Emission	15.207(a)	Pass	Under limit 11.8 dB at 0.52 MHz
3.3	15.407(b)	A9.3	Transmitter Radiated Emission	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 3.54 dB at 5725 MHz
3.4	15.407(c)	A9.5	Automatically Discontinue Transmission	Discontinue Transmission	Pass	-
3.5	15.203 & 15.407(a)	A9.2	Antenna Requirement	N/A	Pass	-

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# 1 General Description

### 1.1 Applicant

#### **DAP Technologies**

7450 South Priest DR Tempe, AZ, US

### 1.2 Manufacturer

#### **Venture Corporation Limited**

Blk5006, Ang Mo Kio Avenue 5, #03-07 TECHplace II, Singapore 569870

### 1.3 Feature of Equipment Under Test

Product F	eature & Specification
Equipment	Rugged Mobile Tablet Computer
Brand Name	DAP
Model Name	9000WBWZV1
Marketing Name	M9010
FCC ID	T5M9000WBWZV1
Tx/Rx Frequency Range	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz
Maximum Output Power to Antenna	<pre>&lt;5150 MHz ~ 5250 MHz&gt; 802.11a : 8.43 dBm / 0.0070 W 802.11n (BW 20MHz) : 8.03 dBm / 0.0064 W 802.11n (BW 40MHz) : 8.18 dBm / 0.0066 W &lt;5250 MHz ~ 5350 MHz&gt; 802.11a : 9.85 dBm / 0.0097 W 802.11n (BW 20MHz) : 9.68 dBm / 0.0093 W 802.11n (BW 40MHz) : 8.95 dBm / 0.0079 W &lt;5470 MHz ~ 5725 MHz&gt; 802.11a : 12.41 dBm / 0.0174 W 802.11n (BW 20MHz) : 12.02 dBm / 0.0159 W 802.11n (BW 40MHz) : 11.31 dBm / 0.0135 W</pre>
Antenna Type	PIFA Antenna
HW Version	Merlion P3
SW Version	MER_00.00.10
Type of Modulation	OFDM (BPSK / QPSK / 16QAM / 64QAM)
EUT Stage	Production Unit

#### Remark:

- 1. For other wireless features of this EUT, test report will be issued separately.
- 2. This test report recorded only product characteristics and test results of Unlicensed National Information Infrastructure (UNII).
- **3.** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

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### 1.4 Testing Site

Test Site	SPORTON INTERNATIONAL INC.							
	No. 52, Hwa Ya 1 <sup>st</sup> Rd., Hwa Ya Technology Park,							
Test Site Location	Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.							
	TEL: +886-3-3273456 / FAX: +886-3-3284978							
Tool Site No	Sporton	Site No.	FCC/IC Registration No.					
Test Site No.	CO05-HY	03CH05-HY	722060/4086B-1					

### 1.5 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 Public Notice DA 02-2138, (Measurement Guidelines of UNII)
- ANSI C63.4-2003
- IC RSS-210 Issued 8
- IC RSS-Gen Issue 3

#### Remark:

- 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 (DoC), recorded in a separate test report.

# 1.6 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.	MOUSE	DELL	MOC5UO	FCC DoC	shielded, 1.8 m	N/A
3.	MOUSE	Logitech	M90	FCC DoC	shielded, 1.8 m	N/A
4.	Bluetooth Earphone	Motorola	S705	N/A	N/A	N/A
5.	iPod Earphone	Apple	N/A	FCC DoC	Unshielded, 1.0 m	N/A

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# 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	40	5200	44	5220	48	5240						
52	5260	56	5280	60	5300	64	5320						
100	5500	104	5520	108	5540	112	5560						
116	5580	132	5660	136	5680	140	5700						

	802.11n (BW 20MHz) Carrier Frequency Channel													
Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)							
36	5180	40	5200	44	5220	48	5240							
52	5260	56	5280	60	5300	64	5320							
100	5500	104	5520	108	5540	112	5560							
116	5580	132	5660	136	5680	140	5700							

	802.11n (BW 40MHz) Carrier Frequency Channel												
Channel	Freq. (MHz)	Channel	Channel	Freq. (MHz)	Channel	Freq. (MHz)							
38	5190	46	5230	54	5270	62	5310						
102	5510	110	5550	118	5590	134	5670						

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### 2.2 RF Power

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

			5GHz 802.11a RF Power (dBm)									
Channel	<b>-</b>	Ola adia	Data Rate									
Chamilei	Frequency	Chain	6	9	12	18	24	36	48	54		
			Mbps	Mbps	Mbps	Mbps	Mbps	Mbps	Mbps	Mbps		
CH 36	5180 MHz	Α	8.43	-	-	-	-	-	-	-		
CH 44	5220 MHz	Α	7.94	-	-	-	-	-	-	-		
CH 48	5240 MHz	Α	8.03	-	-	-	ı	-	-	-		
CH 52	5260 MHz	Α	9.80	-	ı	-	i	-	-	-		
CH 60	5300 MHz	Α	9.74	-	ı	-	i	-	-	-		
CH 64	5320 MHz	Α	9.85	9.81	9.60	9.35	9.34	9.17	8.39	8.35		
CH 100	5500 MHz	Α	12.13	-	ı	-	i	-	-	-		
CH 120	5600 MHz	Α	<mark>12.41</mark>	12.19	12.16	12.04	11.82	11.43	11.26	10.90		
CH 140	5700 MHz	Α	12.26	-	-	-	-	-	_	_		

				5GHz	802.11n	(BW 20	MHz) RF	Power	(dBm)			
Channel	Eroguenov	Chain	Data Rate									
Chamilei	Frequency	Cilaili	6.5	13	19.5	26	39	52	58.5	65		
			Mbps	Mbps	Mbps	Mbps	Mbps	Mbps	Mbps	Mbps		
CH 36	5180 MHz	Α	8.03	-	-	-	-	-	-	-		
CH 44	5220 MHz	Α	7.74	-	-	-	-	-	-	-		
CH 48	5240 MHz	Α	7.58	-	-	-	-	-	-	-		
CH 52	5260 MHz	Α	9.46	-	-	-	-	-	-	-		
CH 60	5300 MHz	Α	9.30	-	-	-	-	ı	-	ı		
CH 64	5320 MHz	Α	9.68	9.14	8.96	8.91	7.72	7.53	7.65	7.17		
CH 100	5500 MHz	Α	11.84	-	-	-	-	ı	-	ı		
CH 120	5600 MHz	Α	<mark>12.02</mark>	11.57	11.12	11.16	10.46	9.65	10.06	9.63		
CH 140	5700 MHz	Α	11.58	-	-	-	-	-	-	-		

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			5GHz 802.11n (BW 40MHz) RF Power (dBm)									
Channal	_	Chain	Data Rate									
Channel	Frequency	Chain	13.5	27	40.5	54	81	108	121.5	135.0		
			Mbps	Mbps	Mbps	Mbps	Mbps	Mbps	Mbps	Mbps		
CH 38	5190 MHz	Α	8.18	-	-	-	-	i	-	-		
CH 46	5230 MHz	Α	8.12	-	-	-	-	i	-	_		
CH 54	5270 MHz	Α	8.95	8.39	7.93	7.43	6.79	6.38	6.26	6.23		
CH 62	5310 MHz	Α	8.85	-	-	-	-	ı	-	-		
CH 102	5510 MHz	Α	11.12	-	-	-	-	i	-	-		
CH 118	5590 MHz	Α	<mark>11.31</mark>	10.47	10.09	9.76	8.66	8.25	8.58	8.38		
CH 134	5670 MHz	Α	11.19	-	_	_	_	-	-	_		

#### Remark:

- 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.
- **2.** The EUT is programmed to transmit signal continuously for all testing.
- **3.** Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports.

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### 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 were conducted to determine the final configuration from all possible combinations.

The following tables are showing the test modes as the worst cases and recorded in this report.

Test Cases
802.11a/n (Modulation : OFDM)
<ul> <li>■ Mode 1: 802.11a_CH36_5180 MHz</li> <li>■ Mode 2: 802.11a_CH44_5220 MHz</li> <li>■ Mode 3: 802.11a_CH48_5240 MHz</li> <li>■ Mode 4: 802.11a_CH52_5260 MHz</li> <li>■ Mode 5: 802.11a_CH60_5300 MHz</li> <li>■ Mode 6: 802.11a_CH64_5320 MHz</li> <li>■ Mode 7: 802.11a_CH100_5500 MHz</li> <li>■ Mode 8: 802.11a_CH100_5500 MHz</li> <li>■ Mode 9: 802.11a_CH120_5600 MHz</li> <li>■ Mode 10: 802.11a_CH140_5700 MHz</li> <li>■ Mode 10: 802.11a_CH44_5220 MHz (BW 20M)</li> <li>■ Mode 11: 802.11a_CH44_5220 MHz (BW 20M)</li> <li>■ Mode 12: 802.11a_CH48_5240 MHz (BW 20M)</li> <li>■ Mode 13: 802.11a_CH52_5260 MHz (BW 20M)</li> <li>■ Mode 14: 802.11a_CH60_5300 MHz (BW 20M)</li> <li>■ Mode 15: 802.11a_CH64_5320 MHz (BW 20M)</li> <li>■ Mode 16: 802.11a_CH64_5320 MHz (BW 20M)</li> <li>■ Mode 17: 802.11a_CH100_5500 MHz (BW 20M)</li> <li>■ Mode 18: 802.11a_CH120_5600 MHz (BW 20M)</li> <li>■ Mode 18: 802.11a_CH140_5700 MHz (BW 20M)</li> <li>■ Mode 19: 802.11a_CH38_5190 MHz (BW 40M)</li> <li>■ Mode 20: 802.11n_CH36_5330 MHz (BW 40M)</li> <li>■ Mode 21: 802.11n_CH46_5270 MHz (BW 40M)</li> <li>■ Mode 22: 802.11n_CH54_5270 MHz (BW 40M)</li> <li>■ Mode 23: 802.11n_CH62_5310 MHz (BW 40M)</li> <li>■ Mode 24: 802.11n_CH102_5510 MHz (BW 40M)</li> <li>■ Mode 25: 802.11n_CH102_5510 MHz (BW 40M)</li> <li>■ Mode 25: 802.11n_CH118_5590 MHz (BW 40M)</li> <li>■ Mode 25: 802.11n_CH118_5590 MHz (BW 40M)</li> <li>■ Mode 25: 802.11n_CH118_5590 MHz (BW 40M)</li> <li>■ Mode 25: 802.11n_CH134_5670 MHz (BW 40M)</li> </ul>
Mode 1: WLAN Link + Bluetooth Link + Zigbee On + Adapter + TC

Remark: TC stands for Test Configuration, and consists of iPod Earphone, RS-232 Cable, and Mouse

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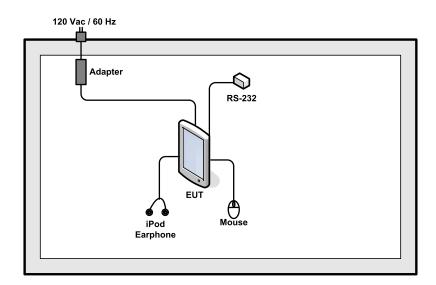
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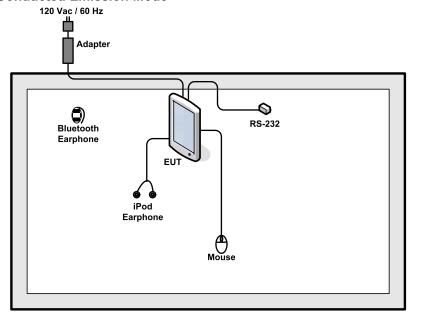
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#### **Connection Diagram of Test System** 2.4

#### <WLAN Tx Mode>



#### <AC Conducted Emission Mode>





#### **RF Utility** 2.5

The programmed RF Utility "SRU", 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.

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### 3 Test Result

### 3.1 Band Edges Measurement

### 3.1.1 Limit of Band Edges

- (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 –27 dBm/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) The provisions of Section 15.205 <u>Restricted bands of operation</u> of this part apply to intentional radiators operating under this section.

### 3.1.2 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.1.3 Test Procedures

- Set both RBW / VBW of spectrum analyzer to 1MHz / 3MHz with convenient frequency span including 1MHz bandwidth from band edge.
- 2. The band edges was measured and recorded.

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### 3.1.4 Test Result of Radiated Band Edges

Test Mode :	Mode 1	Temperature :	23~26°C
Test Band :	802.11a	Relative Humidity :	53~56%
Test Channel :	36	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL												
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark			
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )				
5147.35	56.47	-17.53	74	49.16	33.95	6.69	33.33	124	8	Peak			
5147.35	41.18	-12.82	54	33.87	33.95	6.69	33.33	124	8	Average			

	ANTENNA POLARITY : VERTICAL												
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark			
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)				
5141.68	54.18	-19.82	74	46.87	33.95	6.69	33.33	100	310	Peak			
5141.68	42.21	-11.79	54	34.9	33.95	6.69	33.33	100	310	Average			

Test Mode :	Mode 3	Temperature :	23~26°C
Test Band :	802.11a	Relative Humidity :	53~56%
Test Channel :	48	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL												
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark			
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )				
5458	50.62	-23.38	74	42.64	34.25	6.92	33.19	124	6	Peak			
5458	38.64	-15.36	54	30.66	34.25	6.92	33.19	124	6	Average			

	ANTENNA POLARITY : VERTICAL												
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark			
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )				
5392	52.51	-21.49	74	44.69	34.18	6.86	33.22	111	316	Peak			
5392	40.5	-13.5	54	32.68	34.18	6.86	33.22	111	316	Average			

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Test Mode :	Mode 4	Temperature :	23~26°C
Test Band :	802.11a	Relative Humidity :	53~56%
Test Channel :	52	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL												
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark			
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	( dBuV/m )	( dB )	(dBuV/m)	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)				
5074	51.78	-22.22	74	44.62	33.88	6.64	33.36	123	3	Peak			
5074	38.19	-15.81	54	31.03	33.88	6.64	33.36	123	3	Average			

	ANTENNA POLARITY : VERTICAL												
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark			
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)				
5092	51.4	-22.6	74	44.22	33.9	6.64	33.36	110	314	Peak			
5092	39.16	-14.84	54	31.98	33.9	6.64	33.36	110	314	Average			

Test Mode :	Mode 6	Temperature :	23~26°C
Test Band :	802.11a	Relative Humidity :	53~56%
Test Channel :	64	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL												
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark			
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos				
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )				
5351.19	55.75	-18.25	74	48.01	34.15	6.83	33.24	121	4	Peak			
5351.19	40.94	-13.06	54	33.2	34.15	6.83	33.24	121	4	Average			

	ANTENNA POLARITY : VERTICAL											
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark		
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )			
5354.91	61.94	-12.06	74	54.2	34.15	6.83	33.24	113	318	Peak		
5354.91	44.35	-9.65	54	36.61	34.15	6.83	33.24	113	318	Average		

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Test Mode :	Mode 7	Temperature :	23~26°C
Test Band :	802.11a	Relative Humidity :	53~56%
Test Channel :	100	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)		
5470	52.54	-15.76	68.3	44.54	34.27	6.92	33.19	118	11	Peak	

	ANTENNA POLARITY: VERTICAL											
Frequency	Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark											
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )			
5470	56.04	-12.26	68.3	48.04	34.27	6.92	33.19	106	328	Peak		

Test Mode :	Mode 9	Temperature :	23~26°C
Test Band :	802.11a	Relative Humidity :	53~56%
Test Channel :	140	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL										
Frequency	Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark Limit Line Level Factor Loss Factor Pos Pos										
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )		
5725	58.5	-9.8	68.3	49.86	34.66	7.17	33.19	102	11	Peak	

	ANTENNA POLARITY : VERTICAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )		
5725	62.44	-5.86	68.3	53.8	34.66	7.17	33.19	102	327	Peak	

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Test Mode :	Mode 10	Temperature :	23~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~56%
Test Channel :	36	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL											
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark		
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	(dB)	(dB)	( cm )	(deg)			
5136.85	52.83	-21.17	74	45.56	33.93	6.68	33.34	127	13	Peak		
5136.85	41.29	-12.71	54	34.02	33.93	6.68	33.34	127	13	Average		

	ANTENNA POLARITY : VERTICAL											
Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark										Remark		
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )			
5135.8	57.1	-16.9	74	49.83	33.93	6.68	33.34	100	313	Peak		
5135.8	43.69	-10.31	54	36.42	33.93	6.68	33.34	100	313	Average		

Test Mode :	Mode 12	Temperature :	23~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~56%
Test Channel :	48	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL											
Frequency	Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark											
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	( dBuV/m )	( dB )	(dBuV/m)	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)			
5398	51.53	-22.47	74	43.69	34.2	6.86	33.22	108	14	Peak		
5398	38.56	-15.44	54	30.72	34.2	6.86	33.22	108	14	Average		

	ANTENNA POLARITY : VERTICAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )		
5396	54.26	-19.74	74	46.42	34.2	6.86	33.22	100	316	Peak	
5396	42.08	-11.92	54	34.24	34.2	6.86	33.22	100	316	Average	

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Test Mode :	Mode 13	Temperature :	23~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~56%
Test Channel :	52	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	(dB)	(dB)	( cm )	(deg)		
5100	51.83	-22.17	74	44.62	33.9	6.66	33.35	112	9	Peak	
5100	39.91	-14.09	54	32.7	33.9	6.66	33.35	112	9	Average	

	ANTENNA POLARITY: VERTICAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )		
5102	53.07	-20.93	74	45.86	33.9	6.66	33.35	110	315	Peak	
5102	40.93	-13.07	54	33.72	33.9	6.66	33.35	110	315	Average	

Test Mode :	Mode 15	Temperature :	23~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~56%
Test Channel :	64	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	(dBuV/m)	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)		
5350.26	55.01	-18.99	74	47.27	34.15	6.83	33.24	109	10	Peak	
5350.26	41.7	-12.3	54	33.96	34.15	6.83	33.24	109	10	Average	

	ANTENNA POLARITY : VERTICAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )		
5350.57	63.59	-10.41	74	55.85	34.15	6.83	33.24	112	317	Peak	
5350.57	45.07	-8.93	54	37.33	34.15	6.83	33.24	112	317	Average	

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Test Mode :	Mode 16	Temperature :	23~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~56%
Test Channel :	100	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL									
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
5470	53.07	-15.23	68.3	45.07	34.27	6.92	33.19	118	8	Peak

	ANTENNA POLARITY : VERTICAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)		
5470	56.23	-12.07	68.3	48.23	34.27	6.92	33.19	106	323	Peak	

Test Mode :	Mode 18	Temperature :	23~26°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	53~56%
Test Channel :	140	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL										
Frequency	Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark									Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )		
5725	58.32	-9.98	68.3	52.68	34.66	7.17	33.19	112	13	Peak	

	ANTENNA POLARITY : VERTICAL										
Frequency	Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark										
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )		
5725	62.12	-6.18	68.3	56.12	34.66	7.17	33.19	102	318	Peak	

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Test Mode :	Mode 19	Temperature :	23~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~56%
Test Channel :	38	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	(dB)	( dB )	( cm )	(deg)		
5149.45	51.61	-22.39	74	48.3	33.95	6.69	33.33	111	9	Peak	
5149.45	43.91	-10.09	54	39.6	33.95	6.69	33.33	111	9	Average	

	ANTENNA POLARITY: VERTICAL											
Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark										Remark		
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)			
5149.8	56.72	-17.28	74	63.41	33.95	6.69	33.33	113	315	Peak		
5149.8	47.84	-6.16	54	43.53	33.95	6.69	33.33	113	315	Average		

Test Mode :	Mode 20	Temperature :	23~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~56%
Test Channel :	46	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL											
Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark												
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	( dBuV/m )	( dB )	(dBuV/m)	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)			
5384	51.09	-22.91	74	43.27	34.18	6.86	33.22	111	4	Peak		
5384	38.77	-15.23	54	30.95	34.18	6.86	33.22	111	4	Average		

	ANTENNA POLARITY : VERTICAL											
Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark										Remark		
			Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MH	z)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)		
537	6	53.21	-20.79	74	45.42	34.17	6.85	33.23	100	317	Peak	
537	6	39.87	-14.13	54	32.08	34.17	6.85	33.23	100	317	Average	

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Test Mode :	Mode 21	Temperature :	23~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~56%
Test Channel :	54	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBuV/m )	( dB )	(dBuV/m)	(dBuV)	( dB )	(dB)	( dB )	( cm )	(deg)		
5112	52.03	-21.97	74	44.8	33.92	6.66	33.35	121	3	Peak	
5112	38.3	-15.7	54	31.07	33.92	6.66	33.35	121	3	Average	

	ANTENNA POLARITY: VERTICAL											
Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark										Remark		
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )			
5126	52.5	-21.5	74	45.23	33.93	6.68	33.34	100	315	Peak		
5126	39.65	-14.35	54	32.38	33.93	6.68	33.34	100	315	Average		

Test Mode :	Mode 22	Temperature :	23~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~56%
Test Channel :	62	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL											
Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark												
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos			
(MHz)	( dBuV/m )	( dB )	(dBuV/m)	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)			
5353.67	63.06	-10.94	74	45.32	34.15	6.83	33.24	135	11	Peak		
5353.67	48.27	-5.73	54	40.53	34.15	6.83	33.24	135	11	Average		

	ANTENNA POLARITY: VERTICAL									
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5353.05	57.22	-16.78	74	62.58	34.15	6.83	33.24	109	317	Peak
5353.05	43.32	-10.68	54	45.06	34.15	6.83	33.24	109	317	Average

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Test Mode :	Mode 23	Temperature :	23~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~56%
Test Channel :	102	Test Engineer :	Wii Chang

ANTENNA POLARITY : HORIZONTAL										
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5470	58.76	-9.54	68.3	54.76	34.27	6.92	33.19	105	10	Peak

	ANTENNA POLARITY : VERTICAL									
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5470	61.89	-6.41	68.3	56.89	34.27	6.92	33.19	108	321	Peak

Test Mode :	Mode 25	Temperature :	23~26°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	53~56%
Test Channel :	134	Test Engineer :	Wii Chang

	ANTENNA POLARITY : HORIZONTAL									
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
5725	53.01	-15.29	68.3	44.37	34.66	7.17	33.19	101	14	Peak

	ANTENNA POLARITY : VERTICAL									
Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
5725	59.19	-9.11	68.3	50.55	34.66	7.17	33.19	102	317	Peak

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### 3.2 AC Conducted Emission Measurement

#### 3.2.1 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.

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

<sup>\*</sup>Decreases with the logarithm of the frequency.

### 3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.2.3 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.

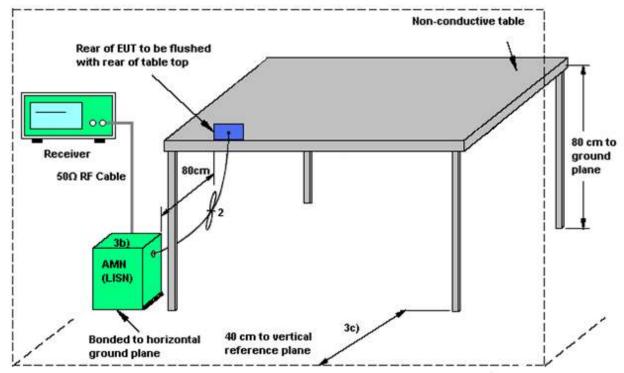
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### 3.2.4 Test Setup



AMN = Artificial mains network (LISN)

AE = Associated equipment

EUT = Equipment under test

ISN = Impedance stabilization network

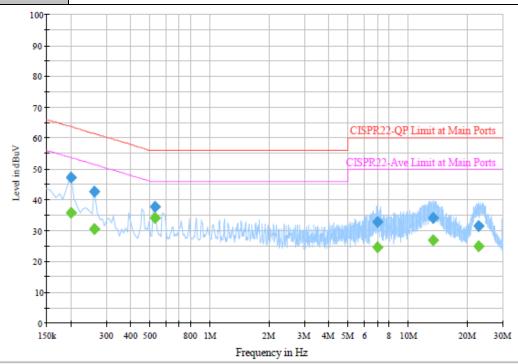
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### 3.2.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	21~23℃			
Test Engineer :	Kai-Chun Chu	Relative Humidity :	42~44%			
Test Voltage :	120Vac / 60Hz Phase : Line					
Function Type :	WLAN Link + Bluetooth Link + Zigbee On + Adapter + TC					
	AU : :		ID 1 1 1 1 1 1 1 1			

Remark: All emissions not reported here are more than 10 dB below the prescribed limit.



#### Final Result 1

Frequency	QuasiPeak	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Filler	Line	(dB)	(dB)	(dBµV)
0.198000	47.3	Off	L1	19.4	16.4	63.7
0.262000	42.5	Off	L1	19.4	18.9	61.4
0.526000	37.6	Off	L1	19.4	18.4	56.0
6.950000	32.7	Off	L1	19.5	27.3	60.0
13.382000	34.1	Off	L1	19.6	25.9	60.0
22.502000	31.6	Off	L1	19.8	28.4	60.0

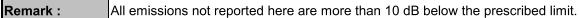
#### Final Result 2

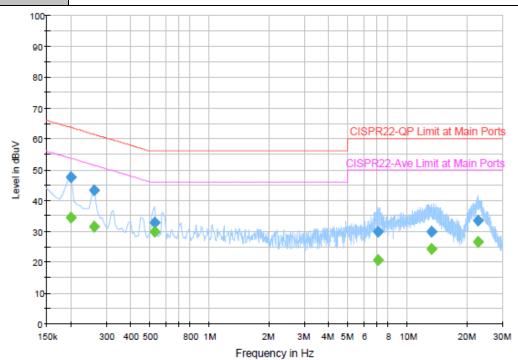
Frequency	Average	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Filler	Line	(dB)	(dB)	(dBµV)
0.198000	35.8	Off	L1	19.4	17.9	53.7
0.262000	30.3	Off	L1	19.4	21.1	51.4
0.526000	34.2	Off	L1	19.4	11.8	46.0
6.950000	24.7	Off	L1	19.5	25.3	50.0
13.382000	27.0	Off	L1	19.6	23.0	50.0
22.502000	24.9	Off	L1	19.8	25.1	50.0

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Test Mode :	Mode 1	Temperature :	21~23℃			
Test Engineer :	Kai-Chun Chu	Relative Humidity :	42~44%			
Test Voltage :	120Vac / 60Hz	Phase :	Neutral			
Function Type :	WLAN Link + Bluetooth Link + Zigbee On + Adapter + TC					
			15.1.1.1.1.1.11.11			





#### **Final Result 1**

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.198000	47.7	Off	N	19.4	16.0	63.7
0.262000	43.3	Off	N	19.4	18.1	61.4
0.526000	32.8	Off	N	19.4	23.2	56.0
7.078000	29.7	Off	N	19.6	30.3	60.0
13.246000	30.0	Off	N	19.7	30.0	60.0
22.662000	33.6	Off	N	19.8	26.4	60.0

#### Final Result 2

Frequency	Average	Eiltor	Filter Line		Margin	Limit
(MHz)	(dBµV)	riitei	Lille	(dB)	(dB)	(dBµV)
0.198000	34.3	Off	N	19.4	19.4	53.7
0.262000	31.5	Off	N	19.4	19.9	51.4
0.526000	29.9	Off	N	19.4	16.1	46.0
7.078000	20.8	Off	N	19.6	29.2	50.0
13.246000	24.1	Off	N	19.7	25.9	50.0
22.662000	26.5	Off	N	19.8	23.5	50.0

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#### 3.3 Radiated Emission Measurement

#### 3.3.1 Limit of Radiated Emission

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209.

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(meters)
0.009 – 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

- (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 –27 dBm/MHz.
- (2) 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.
- (3) 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.
- (4) The provisions of Section 15.205 <u>Restricted bands of operation</u> of this part apply to intentional radiators operating under this section.

**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

#### 3.3.2 Measuring Instruments

See list of measuring instruments of this test report.

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#### 3.3.3 Test Procedures

- The testing follows the guidelines in FCC Public Notice DA 02-2138, (Measurement Guidelines of UNII)
- 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. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- 8. 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 quasi-peak method and reported.
- 9. 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.

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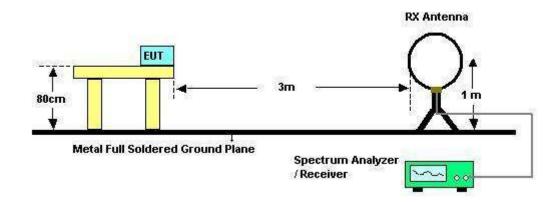
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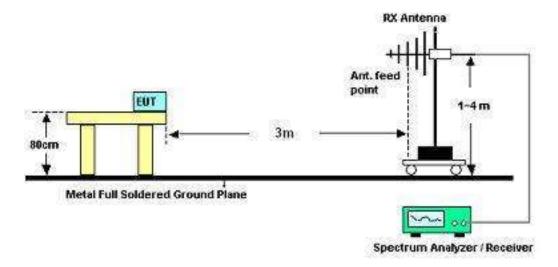


### 3.3.4 Test Setup

#### For radiated emissions below 30MHz



#### For radiated emissions from 30MHz to 1GHz

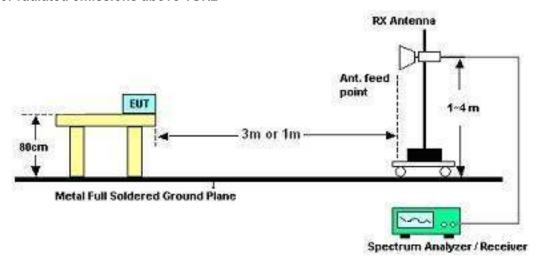


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#### For radiated emissions above 1GHz



### 3.3.5 Test Results of Radiated Emissions (9kHz ~ 30MHz)

Temperature	23~26°C	Humidity	53~56%
Test Engineer	Wii Chang		

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

#### Note:

The amplitude of spurious emissions that are attenuated by more than 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.

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# 3.3.6 Test Result of Radiated Emission (30MHz ~ 10<sup>th</sup> Harmonic)

Test Mode :	Mode 1	Temperature :	23~26°C
Test Channel :	36	Relative Humidity :	53~56%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5180 MHz is Fundamental S	Signals which can be ig	nored.

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
83.19	25.49	-14.51	40	48.86	7.16	1.02	31.55	-	-	Peak
204.96	35.79	-7.71	43.5	57.28	8.49	1.48	31.46	200	36	Peak
216.03	33.6	-12.4	46	54.25	9.3	1.53	31.48	-	-	Peak
449.8	33.96	-12.04	46	47.05	15.92	2.14	31.15	-	-	Peak
479.9	37.09	-8.91	46	49.4	16.61	2.19	31.11	-	-	Peak
600.3	35.39	-10.61	46	45.12	18.72	2.42	30.87	-	-	Peak
5147.35	41.18	-12.82	54	33.87	33.95	6.69	33.33	124	8	Average
5147.35	56.47	-17.53	74	49.16	33.95	6.69	33.33	124	8	Peak
5180	82.04	-	-	74.67	33.98	6.71	33.32	124	8	Average
5180	93.24	-	-	85.87	33.98	6.71	33.32	124	8	Peak
5458	38.68	-15.32	54	30.7	34.25	6.92	33.19	124	8	Average
5458	50.75	-23.25	74	42.77	34.25	6.92	33.19	124	8	Peak

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Test Mode :	Mode 1	Temperature :	23~26°C
Test Channel :	36	Relative Humidity :	53~56%
Test Engineer :	Wii Chang	Polarization :	Vertical
Remark :	5180 MHz is Fundamental S	Signals which can be ig	nored.

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
38.64	30.02	-9.98	40	47.08	13.7	0.75	31.51	-	-	Peak
61.59	24.43	-15.57	40	49.69	5.41	0.87	31.54	-	-	Peak
216.03	28.48	-17.52	46	49.13	9.3	1.53	31.48	-	-	Peak
479.9	29.99	-16.01	46	42.3	16.61	2.19	31.11	-	-	Peak
524.7	37.47	-8.53	46	48.73	17.48	2.28	31.02	200	68	Peak
907.6	36.24	-9.76	46	41.73	21.96	3.02	30.47	-	-	Peak
5141.68	42.21	-11.79	54	34.9	33.95	6.69	33.33	100	310	Average
5141.68	54.18	-19.82	74	46.87	33.95	6.69	33.33	100	310	Peak
5180	88.31	-	-	80.94	33.98	6.71	33.32	100	310	Average
5180	100.13	-	-	92.76	33.98	6.71	33.32	100	310	Peak
5406	39.15	-14.85	54	31.28	34.2	6.88	33.21	100	310	Average
5406	51.33	-22.67	74	43.46	34.2	6.88	33.21	100	310	Peak

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Test Mode :	Mode 2	Temperature :	23~26°C
Test Channel :	44	Relative Humidity :	53~56%
Test Engineer :	Wii Chang	Polarization :	Horizontal
Remark :	5220 MHz is Fundamental S	Signals which can be ig	nored.

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
31.89	31.92	-8.08	40	45.53	17.21	0.72	31.54	200	354	Peak
167.97	31.06	-12.44	43.5	52.12	9.12	1.36	31.54	-	-	Peak
202.26	35.2	-8.3	43.5	56.83	8.35	1.47	31.45	-	-	Peak
479.9	37.47	-8.53	46	49.78	16.61	2.19	31.11	-	-	Peak
503.7	34.72	-11.28	46	46.42	17.13	2.24	31.07	-	-	Peak
600.3	35.36	-10.64	46	45.09	18.72	2.42	30.87	-	-	Peak
5124	38.25	-15.75	54	30.98	33.93	6.68	33.34	112	12	Average
5124	51.47	-22.53	74	44.2	33.93	6.68	33.34	112	12	Peak
5220	81.33	-	-	73.87	34.02	6.74	33.3	112	12	Average
5220	92.91	-	-	85.45	34.02	6.74	33.3	112	12	Peak
5442	38.89	-15.11	54	30.96	34.23	6.9	33.2	112	12	Average
5442	51.36	-22.64	74	43.43	34.23	6.9	33.2	112	12	Peak

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Test Mode :	Mode 2	Temperature :	23~26°C					
Test Channel :	44	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Chang Polarization :						
Remark :	5220 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
38.64	31.16	-8.84	40	48.22	13.7	0.75	31.51	200	48	Peak
76.44	23.48	-16.52	40	47.74	6.32	0.97	31.55	-	-	Peak
216.03	28.05	-17.95	46	48.7	9.3	1.53	31.48	-	-	Peak
479.9	29.26	-16.74	46	41.57	16.61	2.19	31.11	-	-	Peak
600.3	28.06	-17.94	46	37.79	18.72	2.42	30.87	-	-	Peak
750.1	29.07	-16.93	46	36.79	20.07	2.75	30.54	-	-	Peak
5128	38.93	-15.07	54	31.66	33.93	6.68	33.34	100	319	Average
5128	51.44	-22.56	74	44.17	33.93	6.68	33.34	100	319	Peak
5220	87.32	-	-	79.86	34.02	6.74	33.3	100	319	Average
5220	99.67	-	-	92.21	34.02	6.74	33.3	100	319	Peak
5382	40.33	-13.67	54	32.51	34.18	6.86	33.22	100	319	Average
5382	52.92	-21.08	74	45.1	34.18	6.86	33.22	100	319	Peak

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Test Mode :	Mode 3	Temperature :	23~26°C				
Test Channel :	48	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Horizontal				
Remark :	5240 MHz is Fundamental Signals which can be ignored.						

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
34.86	25.56	-14.44	40	40.86	15.48	0.74	31.52	-	-	Peak
167.97	30.14	-13.36	43.5	51.2	9.12	1.36	31.54	-	-	Peak
201.99	35.1	-8.4	43.5	56.79	8.29	1.47	31.45	200	36	Peak
479.9	37.34	-8.66	46	49.65	16.61	2.19	31.11	-	-	Peak
600.3	35.17	-10.83	46	44.9	18.72	2.42	30.87	-	-	Peak
881.7	36.67	-9.33	46	42.54	21.64	2.98	30.49	-	-	Peak
5078	38.37	-15.63	54	31.21	33.88	6.64	33.36	124	6	Average
5078	51.74	-22.26	74	44.58	33.88	6.64	33.36	124	6	Peak
5240	81.47	-	-	73.97	34.03	6.76	33.29	124	6	Average
5240	93.25	-	-	85.75	34.03	6.76	33.29	124	6	Peak
5458	38.64	-15.36	54	30.66	34.25	6.92	33.19	124	6	Average
5458	50.62	-23.38	74	42.64	34.25	6.92	33.19	124	6	Peak

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Test Channel :	48	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Vertical				
Remark :	5240 MHz is Fundamental Signals which can be ignored.						

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
38.64	30.02	-9.98	40	47.08	13.7	0.75	31.51	201	358	Peak
187.68	29.6	-13.9	43.5	51.28	8.38	1.43	31.49	-	-	Peak
216.03	28.21	-17.79	46	48.86	9.3	1.53	31.48	-	-	Peak
479.9	29.31	-16.69	46	41.62	16.61	2.19	31.11	-	-	Peak
750.1	33.59	-12.41	46	41.31	20.07	2.75	30.54	-	-	Peak
903.4	29.63	-16.37	46	35.25	21.85	3.01	30.48	-	-	Peak
5118	38.8	-15.2	54	31.54	33.92	6.68	33.34	111	316	Average
5118	51.77	-22.23	74	44.51	33.92	6.68	33.34	111	316	Peak
5240	88.28	-	-	80.78	34.03	6.76	33.29	111	316	Average
5240	100.45	-	-	92.95	34.03	6.76	33.29	111	316	Peak
5392	40.5	-13.5	54	32.68	34.18	6.86	33.22	111	316	Average
5392	52.51	-21.49	74	44.69	34.18	6.86	33.22	111	316	Peak

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Test Mode :	Mode 4	Temperature :	23~26°C				
Test Channel :	52	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Horizontal				
Remark :	5260 MHz is Fundamental Signals which can be ignored.						

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
55.11	26.69	-13.31	40	50.85	6.53	0.83	31.52	-	-	Peak
82.92	26.94	-13.06	40	50.31	7.16	1.02	31.55	-	-	Peak
200.91	35.05	-8.45	43.5	56.82	8.22	1.46	31.45	200	14	Peak
479.9	36.55	-9.45	46	48.86	16.61	2.19	31.11	-	-	Peak
600.3	35.16	-10.84	46	44.89	18.72	2.42	30.87	-	-	Peak
787.9	37.23	-8.77	46	44.18	20.78	2.81	30.54	-	-	Peak
5074	38.19	-15.81	54	31.03	33.88	6.64	33.36	123	3	Average
5074	51.78	-22.22	74	44.62	33.88	6.64	33.36	123	3	Peak
5260	81.25	-	-	73.67	34.07	6.78	33.27	123	3	Average
5260	92.8	-	-	85.22	34.07	6.78	33.27	123	3	Peak
5410	38.69	-15.31	54	30.82	34.2	6.88	33.21	123	3	Average
5410	51.01	-22.99	74	43.14	34.2	6.88	33.21	123	3	Peak

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Test Mode :	Mode 4	Temperature :	23~26°C					
Test Channel :	52	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Vertical					
Remark :	5260 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
38.64	29.17	-10.83	40	46.23	13.7	0.75	31.51	198	25	Peak
60.24	24.69	-15.31	40	50.06	5.32	0.87	31.56	-	-	Peak
216.03	27.71	-18.29	46	48.36	9.3	1.53	31.48	-	-	Peak
479.9	29.44	-16.56	46	41.75	16.61	2.19	31.11	-	-	Peak
600.3	30.41	-15.59	46	40.14	18.72	2.42	30.87	-	-	Peak
750.1	27.82	-18.18	46	35.54	20.07	2.75	30.54	-	-	Peak
5092	39.16	-14.84	54	31.98	33.9	6.64	33.36	110	314	Average
5092	51.4	-22.6	74	44.22	33.9	6.64	33.36	110	314	Peak
5260	87.46	-	-	79.88	34.07	6.78	33.27	110	314	Average
5260	99.21	-	-	91.63	34.07	6.78	33.27	110	314	Peak
5426	40.2	-13.8	54	32.31	34.22	6.88	33.21	110	314	Average
5426	51.24	-22.76	74	43.35	34.22	6.88	33.21	110	314	Peak

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Test Mode :	Mode 5	Temperature :	23~26°C					
Test Channel :	60	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Horizontal					
Remark :	5300 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
31.89	28.08	-11.92	40	41.69	17.21	0.72	31.54	-	-	Peak
167.97	30.71	-12.79	43.5	51.77	9.12	1.36	31.54	-	-	Peak
203.88	35.33	-8.17	43.5	56.89	8.42	1.48	31.46	200	48	Peak
311.9	32.64	-13.36	46	49.62	12.49	1.81	31.28	-	-	Peak
479.9	37.05	-8.95	46	49.36	16.61	2.19	31.11	-	-	Peak
600.3	34.73	-11.27	46	44.46	18.72	2.42	30.87	-	-	Peak
5140	38.28	-15.72	54	30.99	33.95	6.68	33.34	122	1	Average
5140	51.72	-22.28	74	44.43	33.95	6.68	33.34	122	1	Peak
5300	80.89	-	-	73.25	34.1	6.8	33.26	122	1	Average
5300	92.67	-	-	85.03	34.1	6.8	33.26	122	1	Peak
5358	38.7	-15.3	54	30.93	34.15	6.85	33.23	122	1	Average
5358	51.09	-22.91	74	43.32	34.15	6.85	33.23	122	1	Peak

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Test Mode :	Mode 5	Temperature :	23~26°C					
Test Channel :	60	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Vertical					
Remark :	300 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
38.64	28.6	-11.4	40	45.66	13.7	0.75	31.51	200	187	Peak
60.24	24.87	-15.13	40	50.24	5.32	0.87	31.56	-	-	Peak
216.03	27.73	-18.27	46	48.38	9.3	1.53	31.48	-	-	Peak
359.5	26.43	-19.57	46	42.06	13.73	1.92	31.28	-	-	Peak
479.9	29.4	-16.6	46	41.71	16.61	2.19	31.11	-	-	Peak
600.3	29.78	-16.22	46	39.51	18.72	2.42	30.87	-	-	Peak
5146	39.33	-14.67	54	32.02	33.95	6.69	33.33	122	315	Average
5146	51.81	-22.19	74	44.5	33.95	6.69	33.33	122	315	Peak
5300	88.19	-	-	80.55	34.1	6.8	33.26	122	315	Average
5300	99.86	-	-	92.22	34.1	6.8	33.26	122	315	Peak
5372	40.03	-13.97	54	32.24	34.17	6.85	33.23	122	315	Average
5372	51.83	-22.17	74	44.04	34.17	6.85	33.23	122	315	Peak

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Test Mode :	Mode 6	Temperature :	23~26°C					
Test Channel :	64	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Horizontal					
Remark :	5320 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
75.9	24.38	-15.62	40	48.73	6.24	0.96	31.55	-	-	Peak
167.97	31.77	-11.73	43.5	52.83	9.12	1.36	31.54	-	-	Peak
206.85	35.46	-8.04	43.5	56.81	8.62	1.49	31.46	100	32	Peak
311.9	32.42	-13.58	46	49.4	12.49	1.81	31.28	-	-	Peak
479.9	37.45	-8.55	46	49.76	16.61	2.19	31.11	-	-	Peak
503.7	34.98	-11.02	46	46.68	17.13	2.24	31.07	-	-	Peak
5138	38.3	-15.7	54	31.03	33.93	6.68	33.34	121	4	Average
5138	51.12	-22.88	74	43.85	33.93	6.68	33.34	121	4	Peak
5320	81.58	-	-	73.9	34.12	6.81	33.25	121	4	Average
5320	93.13	-	-	85.45	34.12	6.81	33.25	121	4	Peak
5351.19	40.94	-13.06	54	33.2	34.15	6.83	33.24	121	4	Average
5351.19	55.75	-18.25	74	48.01	34.15	6.83	33.24	121	4	Peak

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Test Mode :	Mode 6	Temperature :	23~26°C					
Test Channel :	64	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	/ii Chang Polarization :						
Remark :	5320 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
38.64	29.15	-10.85	40	46.21	13.7	0.75	31.51	100	54	Peak
49.44	25.26	-14.74	40	47.86	8.17	0.8	31.57	-	-	Peak
216.03	28.1	-17.9	46	48.75	9.3	1.53	31.48	-	-	Peak
359.5	26.14	-19.86	46	41.77	13.73	1.92	31.28	-	-	Peak
479.9	29.94	-16.06	46	42.25	16.61	2.19	31.11	-	-	Peak
503.7	28.76	-17.24	46	40.46	17.13	2.24	31.07	-	-	Peak
5026	38.44	-15.56	54	31.38	33.83	6.61	33.38	113	318	Average
5026	51.34	-22.66	74	44.28	33.83	6.61	33.38	113	318	Peak
5320	88.21	-	-	80.53	34.12	6.81	33.25	113	318	Average
5320	100.11	-	-	92.43	34.12	6.81	33.25	113	318	Peak
5354.91	44.35	-9.65	54	36.61	34.15	6.83	33.24	113	318	Average
5354.91	61.94	-12.06	74	54.2	34.15	6.83	33.24	113	318	Peak

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Test Mode :	Mode 7	Temperature :	23~26°C				
Test Channel :	100	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Horizontal				
Domosik i	1. 5500 MHz is Fundamental Signals which can be ignored.						
Remark :	2. 5470 MHz and 5725 MHz are not within a restricted band.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	(dB)	( dB )	(dB)	(cm)	( deg )	
31.89	18.35	-21.65	40	31.96	17.21	0.72	31.54	-	-	Peak
133.14	22.83	-20.67	43.5	42.29	10.82	1.24	31.52	-	-	Peak
203.88	35.03	-8.47	43.5	56.59	8.42	1.48	31.46	200	13	Peak
311.9	32.29	-13.71	46	49.27	12.49	1.81	31.28	-	-	Peak
359.5	31.29	-14.71	46	46.92	13.73	1.92	31.28	-	-	Peak
479.9	33.5	-12.5	46	45.81	16.61	2.19	31.11	-	-	Peak
5470	52.54	-15.76	68.3	44.54	34.27	6.92	33.19	118	11	Peak
5500	83.08	-	-	75	34.3	6.95	33.17	118	11	Average
5500	95.07	-	-	86.99	34.3	6.95	33.17	118	11	Peak
5725	51.41	-16.89	68.3	42.77	34.66	7.17	33.19	118	11	Peak

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Test Mode :	Mode 7	Temperature :	23~26°C				
Test Channel :	100	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Vertical				
Remark :	1. 5500 MHz is Fundamental Signals which can be ignored.						
	2. 5470 MHz and 5725 MH	5470 MHz and 5725 MHz are not within a restricted band.					

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
33.24	25.25	-14.75	40	39.44	16.63	0.72	31.54	200	87	Peak
200.1	24.59	-18.91	43.5	46.43	8.15	1.46	31.45	-	-	Peak
216.03	27.77	-18.23	46	48.42	9.3	1.53	31.48	-	-	Peak
359.5	24.71	-21.29	46	40.34	13.73	1.92	31.28	-	-	Peak
479.9	29.14	-16.86	46	41.45	16.61	2.19	31.11	-	-	Peak
600.3	29.92	-16.08	46	39.65	18.72	2.42	30.87	-	-	Peak
5470	56.04	-12.26	68.3	48.04	34.27	6.92	33.19	106	328	Peak
5500	89.3	-	-	81.22	34.3	6.95	33.17	106	328	Average
5500	101.35	-	-	93.27	34.3	6.95	33.17	106	328	Peak
5725	52.19	-16.11	68.3	43.55	34.66	7.17	33.19	106	328	Peak

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Test Mode :	Mode 8	Temperature :	23~26°C				
Test Channel :	120	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Horizontal				
Remark :	1. 5600 MHz is Fundamental Signals which can be ignored.						
	2. 5470 MHz and 5725 MH	5470 MHz and 5725 MHz are not within a restricted band.					

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	(dBuV/m)	Limit ( dB )	Line ( dBuV/m )	Level (dBuV)	Factor ( dB )	Loss ( dB )	Factor ( dB )	Pos (cm)	Pos ( deg )	
167.97	29.1	-14.4	43.5	50.16	9.12	1.36	31.54	-	-	Peak
203.88	35.04	-8.46	43.5	56.6	8.42	1.48	31.46	200	173	Peak
216.03	33.39	-12.61	46	54.04	9.3	1.53	31.48	-	-	Peak
311.9	32.87	-13.13	46	49.85	12.49	1.81	31.28	-	-	Peak
359.5	31.31	-14.69	46	46.94	13.73	1.92	31.28	-	-	Peak
479.9	32.9	-13.1	46	45.21	16.61	2.19	31.11	-	-	Peak
5470	49.84	-18.46	68.3	41.89	34.25	6.9	33.2	104	12	Peak
5600	85.16	-	-	76.82	34.47	7.05	33.18	104	12	Average
5600	96.83	-	-	88.49	34.47	7.05	33.18	104	12	Peak
5725	50.84	-17.46	68.3	42.2	34.66	7.17	33.19	104	12	Peak

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Test Mode :	Mode 8	Temperature :	23~26°C				
Test Channel :	120	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Vertical				
Remark :	1. 5600 MHz is Fundamental Signals which can be ignored.						
	2. 5470 MHz and 5725 MH	5470 MHz and 5725 MHz are not within a restricted band.					

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	(dBuV/m)	Limit ( dB )	Line ( dBuV/m )	Level (dBuV)	Factor ( dB )	Loss (dB)	Factor ( dB )	Pos (cm)	Pos ( deg )	
33.24	25.79	-14.21	40	39.98	16.63	0.72	31.54	-	- -	Peak
61.59	24.58	-15.42	40	49.84	5.41	0.87	31.54	_	_	Peak
216.03	27.9	-18.1	46	48.55	9.3	1.53	31.48	_	_	Peak
503.7	28.46	-17.54	46	40.16	17.13	2.24	31.07	_	_	Peak
600.3	30.4	-15.6	46	40.13	18.72	2.42	30.87	-	-	Peak
881.7	37.05	-8.95	46	42.92	21.64	2.98	30.49	200	48	Peak
5470	51.44	-16.86	68.3	43.44	34.27	6.92	33.19	104	328	Peak
5600	91.13	-	-	82.79	34.47	7.05	33.18	104	328	Average
5600	102.99	-	-	94.65	34.47	7.05	33.18	104	328	Peak
5725	52.47	-15.83	68.3	43.83	34.66	7.17	33.19	104	328	Peak

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Test Mode :	Mode 9	Temperature :	23~26°C				
Test Channel :	140	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Horizontal				
Remark :	5700 MHz is Fundamental Signals which can be ignored.						
	2. 5470 MHz, 5725 MHz a	5470 MHz, 5725 MHz are not within a restricted band.					

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
/ <b></b>		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	(cm)	( deg )	
167.97	28.84	-14.66	43.5	49.9	9.12	1.36	31.54	-	-	Peak
203.07	34.71	-8.79	43.5	56.34	8.35	1.47	31.45	200	158	Peak
216.03	32.81	-13.19	46	53.46	9.3	1.53	31.48	-	-	Peak
311.9	32.28	-13.72	46	49.26	12.49	1.81	31.28	-	-	Peak
479.9	33.26	-12.74	46	45.57	16.61	2.19	31.11	-	-	Peak
600.3	29.65	-16.35	46	39.38	18.72	2.42	30.87	-	-	Peak
5470	49.8	-18.5	68.3	41.8	34.27	6.92	33.19	102	11	Peak
5700	84.96	-	-	76.4	34.6	7.15	33.19	102	11	Average
5700	96.51	-	-	87.95	34.6	7.15	33.19	102	11	Peak
5725	58.5	-9.8	68.3	49.86	34.66	7.17	33.19	102	11	Peak

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Test Mode :	Mode 9	Temperature :	23~26°C					
Test Channel :	140	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Vertical					
Remark :	5700 MHz is Fundamental Signals which can be ignored.							
	2. 5470 MHz, 5725 MHz a	5470 MHz, 5725 MHz are not within a restricted band.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	(dB)	( dB )	( dB )	(cm)	( deg )	
33.24	24.94	-15.06	40	39.13	16.63	0.72	31.54	-	-	Peak
60.51	24.39	-15.61	40	49.76	5.32	0.87	31.56	-	-	Peak
216.03	27.69	-18.31	46	48.34	9.3	1.53	31.48	-	-	Peak
479.9	28.67	-17.33	46	40.98	16.61	2.19	31.11	-	-	Peak
600.3	29.93	-16.07	46	39.66	18.72	2.42	30.87	-	-	Peak
914.6	33.45	-12.55	46	38.77	22.12	3.02	30.46	200	168	Peak
5470	50.45	-17.85	68.3	42.45	34.27	6.92	33.19	102	327	Peak
5700	90.72	-	-	82.16	34.6	7.15	33.19	102	327	Average
5700	102.57	-	-	94.01	34.6	7.15	33.19	102	327	Peak
5725	62.44	-5.86	68.3	53.8	34.66	7.17	33.19	102	327	Peak

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Test Mode :	Mode 10	Temperature :	23~26°C					
Test Channel :	36	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Horizontal						
Remark :	5180 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
5136.85	41.29	-12.71	54	34.02	33.93	6.68	33.34	127	13	Average
5136.85	52.83	-21.17	74	45.56	33.93	6.68	33.34	127	13	Peak
5180	81.74	-	-	74.37	33.98	6.71	33.32	127	13	Average
5180	96.78	-	-	89.41	33.98	6.71	33.32	127	13	Peak
5434	41.95	-12.05	54	34.02	34.23	6.9	33.2	127	13	Average
5434	51.07	-22.93	74	43.14	34.23	6.9	33.2	127	13	Peak

Test Mode :	Mode 10	Temperature :	23~26°C					
Test Channel :	36	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization :						
Remark :	180 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5135.8	43.69	-10.31	54	36.42	33.93	6.68	33.34	100	313	Average
5135.8	57.1	-16.9	74	49.83	33.93	6.68	33.34	100	313	Peak
5180	86.2	-	-	78.83	33.98	6.71	33.32	100	313	Average
5180	102.09	-	-	94.72	33.98	6.71	33.32	100	313	Peak
5352	39.45	-14.55	54	31.71	34.15	6.83	33.24	100	313	Average
5352	50.93	-23.07	74	43.19	34.15	6.83	33.24	100	313	Peak

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Test Mode :	Mode 11	Temperature :	23~26°C					
Test Channel :	44	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Wii Chang Polarization : Horizontal						
Remark :	5220 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	(cm)	( deg )	
5058	38.99	-15.01	54	31.87	33.87	6.62	33.37	114	8	Average
5058	51.64	-22.36	74	44.52	33.87	6.62	33.37	114	8	Peak
5220	81.57	-	-	74.11	34.02	6.74	33.3	114	8	Average
5220	96.73	-	-	89.27	34.02	6.74	33.3	114	8	Peak
5376	39.8	-14.2	54	32.01	34.17	6.85	33.23	114	8	Average
5376	52.34	-21.66	74	44.55	34.17	6.85	33.23	114	8	Peak

Test Mode :	Mode 11	Temperature :	23~26°C					
Test Channel :	44	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vertical						
Remark :	5220 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5054	40.08	-13.92	54	32.98	33.85	6.62	33.37	100	321	Average
5054	51.99	-22.01	74	44.89	33.85	6.62	33.37	100	321	Peak
5220	85.74	-	-	78.28	34.02	6.74	33.3	100	321	Average
5220	101.12	-	-	93.66	34.02	6.74	33.3	100	321	Peak
5376	42.84	-11.16	54	35.05	34.17	6.85	33.23	100	321	Average
5376	53.84	-20.16	74	46.05	34.17	6.85	33.23	100	321	Peak

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Test Mode :	Mode 12	Temperature :	23~26°C					
Test Channel :	48	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Wii Chang Polarization : Horizontal						
Remark :	5240 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
( NALL = )	( dD)// )	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	(cm)	( deg )	
5078	38.14	-15.86	54	30.98	33.88	6.64	33.36	108	14	Average
5078	52.79	-21.21	74	45.63	33.88	6.64	33.36	108	14	Peak
5240	81.41	-	-	73.91	34.03	6.76	33.29	108	14	Average
5240	96.42	-	-	88.92	34.03	6.76	33.29	108	14	Peak
5398	38.56	-15.44	54	30.72	34.2	6.86	33.22	108	14	Average
5398	51.53	-22.47	74	43.69	34.2	6.86	33.22	108	14	Peak

Test Mode :	Mode 12	Temperature :	23~26°C					
Test Channel :	48	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vertical						
Remark :	5240 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	(dB)	( dB )	( cm )	(deg)	
5086	41.28	-12.72	54	34.12	33.88	6.64	33.36	100	316	Average
5086	53.4	-20.6	74	46.24	33.88	6.64	33.36	100	316	Peak
5240	86.01	-	-	78.51	34.03	6.76	33.29	100	316	Average
5240	101.7	-	-	94.2	34.03	6.76	33.29	100	316	Peak
5396	42.08	-11.92	54	34.24	34.2	6.86	33.22	100	316	Average
5396	54.26	-19.74	74	46.42	34.2	6.86	33.22	100	316	Peak

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Test Mode :	Mode 13	Temperature :	23~26°C					
Test Channel :	52	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Horizontal						
Remark :	5260 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
5100	39.91	-14.09	54	32.7	33.9	6.66	33.35	112	9	Average
5100	51.83	-22.17	74	44.62	33.9	6.66	33.35	112	9	Peak
5260	81.67	-	-	74.09	34.07	6.78	33.27	112	9	Average
5260	96.59	-	-	89.01	34.07	6.78	33.27	112	9	Peak
5376	39.97	-14.03	54	32.18	34.17	6.85	33.23	112	9	Average
5376	51.77	-22.23	74	43.98	34.17	6.85	33.23	112	9	Peak

Test Mode :	Mode 13	Temperature :	23~26°C					
Test Channel :	52	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Vertical						
Remark :	5260 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	( dBuV/m )	(dBuV)	( dB )	(dB)	( dB )	( cm )	(deg)	
5102	40.93	-13.07	54	33.72	33.9	6.66	33.35	110	315	Average
5102	53.07	-20.93	74	45.86	33.9	6.66	33.35	110	315	Peak
5260	86.22	-	-	78.64	34.07	6.78	33.27	110	315	Average
5260	102.26	-	-	94.68	34.07	6.78	33.27	110	315	Peak
5420	42.39	-11.61	54	34.5	34.22	6.88	33.21	110	315	Average
5420	54.31	-19.69	74	46.42	34.22	6.88	33.21	110	315	Peak

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Test Mode :	Mode 14	Temperature :	23~26°C					
Test Channel :	60	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Horizontal						
Remark :	5300 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	(cm)	( deg )	
5142	39.34	-14.66	54	32.03	33.95	6.69	33.33	106	13	Average
5142	51.77	-22.23	74	44.46	33.95	6.69	33.33	106	13	Peak
5300	81.21	-	-	73.57	34.1	6.8	33.26	106	13	Average
5300	96.37	-	-	88.73	34.1	6.8	33.26	106	13	Peak
5456	40.45	-13.55	54	32.47	34.25	6.92	33.19	106	13	Average
5456	52.24	-21.76	74	44.26	34.25	6.92	33.19	106	13	Peak

Test Mode :	Mode 14	Temperature :	23~26°C						
Test Channel :	60	Relative Humidity :	53~56%						
Test Engineer :	Wii Chang	Vii Chang Polarization : Vertical							
Remark :	3300 MHz is Fundamental Signals which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5140	41.72	-12.28	54	34.43	33.95	6.68	33.34	111	317	Average
5140	55.06	-18.94	74	47.77	33.95	6.68	33.34	111	317	Peak
5300	85.97	-	-	78.33	34.1	6.8	33.26	111	317	Average
5300	102.25	-	-	94.61	34.1	6.8	33.26	111	317	Peak
5456	42.67	-11.33	54	34.69	34.25	6.92	33.19	111	317	Average
5456	54.97	-19.03	74	46.99	34.25	6.92	33.19	111	317	Peak

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Test Mode :	Mode 15	Temperature :	23~26°C							
Test Channel :	64	Relative Humidity :	53~56%							
Test Engineer :	Wii Chang	Vii Chang Polarization : Horizontal								
Remark :	5320 MHz is Fundamental S	i320 MHz is Fundamental Signals which can be ignored.								

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5122	38.27	-15.73	54	31.01	33.92	6.68	33.34	109	10	Average
5122	50.86	-23.14	74	43.6	33.92	6.68	33.34	109	10	Peak
5320	81.74	-	-	74.06	34.12	6.81	33.25	109	10	Average
5320	96.7	-	-	89.02	34.12	6.81	33.25	109	10	Peak
5350.26	41.7	-12.3	54	33.96	34.15	6.83	33.24	109	10	Average
5350.26	55.01	-18.99	74	47.27	34.15	6.83	33.24	109	10	Peak

Test Mode :	Mode 15	Temperature :	23~26°C					
Test Channel :	64	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Vertical						
Remark :	320 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5100	38.67	-15.33	54	31.46	33.9	6.66	33.35	112	317	Average
5100	51.77	-22.23	74	44.56	33.9	6.66	33.35	112	317	Peak
5320	86.47	-	-	78.79	34.12	6.81	33.25	112	317	Average
5320	102.21	-	-	94.53	34.12	6.81	33.25	112	317	Peak
5350.57	45.07	-8.93	54	37.33	34.15	6.83	33.24	112	317	Average
5350.57	63.59	-10.41	74	55.85	34.15	6.83	33.24	112	317	Peak

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Test Mode :	Mode 16	Temperature :	23~26°C					
Test Channel :	100	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Horizontal					
Remark :	5500 MHz is Fundamental Signals which can be ignored.							
	2. 5470 MHz, 5725 MHz a	2. 5470 MHz, 5725 MHz are not within a restricted band.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	(dB)	(dB)	( cm )	( deg )	,
5470	53.07	-15.23	68.3	45.07	34.27	6.92	33.19	118	8	Peak
5500	81.29	-	-	73.21	34.3	6.95	33.17	118	8	Average
5500	96.09	-	-	88.01	34.3	6.95	33.17	118	8	Peak
5725	51.13	-17.17	68.3	42.49	34.66	7.17	33.19	118	8	Peak

Test Mode :	Mode 16	Temperature :	23~26°C				
Test Channel :	100	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Vertical				
	5500 MHz is Fundamental Signals which can be ignored.						
Remark :	2. 5470 MHz, 5725 MHz are not within a restricted band.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	( dBuV/m )		( dBuV/m )		(dB)	(dB)	(dB)	(cm)	( deg )	
5470	56.23	-12.07	68.3	48.23	34.27	6.92	33.19	106	323	Peak
5500	86.8	-	-	78.72	34.3	6.95	33.17	106	323	Average
5500	102.41	-	-	94.33	34.3	6.95	33.17	106	323	Peak
5725	50.38	-17.92	68.3	41.74	34.66	7.17	33.19	106	323	Peak

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Test Mode :	Mode 17	Temperature :	23~26°C					
Test Channel :	120	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Horizontal					
D	5600 MHz is Fundamental Signals which can be ignored.							
Remark :	2. 5470 MHz, 5725 MHz a	. 5470 MHz, 5725 MHz are not within a restricted band.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	(dB)	( dB )	( cm )	(deg)	
5470	50.33	-17.97	68.3	42.33	34.27	6.92	33.19	105	16	Peak
5600	82.91	-	-	74.57	34.47	7.05	33.18	105	16	Average
5600	98.56	-	-	90.22	34.47	7.05	33.18	105	16	Peak
5725	50.93	-17.37	68.3	42.29	34.66	7.17	33.19	105	16	Peak

Test Mode :	Mode 17	Temperature :	23~26°C				
Test Channel :	120	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Vertical				
Domonk .	1. 5600 MHz is Fundamental Signals which can be ignored.						
Remark :	2. 5470 MHz, 5725 MHz a	5470 MHz, 5725 MHz are not within a restricted band.					

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	1	Remark
,	\	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	(cm)	( deg )	
5470	50.06	-18.24	68.3	42.06	34.27	6.92	33.19	104	325	Peak
5600	87.99	-	-	79.65	34.47	7.05	33.18	104	325	Average
5600	103.05	-	-	94.71	34.47	7.05	33.18	104	325	Peak
5725	52.24	-16.06	68.3	43.6	34.66	7.17	33.19	104	325	Peak

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Test Mode :	Mode 18	Temperature :	23~26°C					
Test Channel :	140	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Horizontal					
Remark :	5700 MHz is Fundamental Signals which can be ignored.							
	2. 5470 MHz, 5725 MHz a	5470 MHz, 5725 MHz are not within a restricted band.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	(dB)	(dB)	( cm )	( deg )	
5470	49.86	-18.44	68.3	41.86	34.27	6.92	33.19	112	13	Peak
5700	82.47	-	-	73.91	34.6	7.15	33.19	112	13	Average
5700	97.16	-	-	88.6	34.6	7.15	33.19	112	13	Peak
5725	61.32	-6.98	68.3	52.68	34.66	7.17	33.19	112	13	Peak

Test Mode :	Mode 18	Temperature :	23~26°C					
Test Channel :	140	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Vertical					
Domonic I	5700 MHz is Fundamental Signals which can be ignored.							
Remark :	2. 5470 MHz, 5725 MHz a	5470 MHz, 5725 MHz are not within a restricted band.						

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	( dBuV/m )	Limit ( dB )	Line ( dBuV/m )	Level (dBuV)	Factor ( dB )	Loss (dB)	Factor ( dB )	Pos (cm)	Pos ( deg )	
, ,	, ,	,	/	42.64	. , ,	6.92	, , ,	102		
5470	50.64	-17.66	68.3	42.04	34.27	6.92	33.19	102	318	Peak
5700	88.36	-	-	79.8	34.6	7.15	33.19	102	318	Average
5700	103.65	-	-	95.09	34.6	7.15	33.19	102	318	Peak
5725	64.76	-3.54	68.3	56.12	34.66	7.17	33.19	102	318	Peak

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Test Mode :	Mode 19	Temperature :	23~26°C					
Test Channel :	38	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Horizon						
Remark :	5190 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	(cm)	( deg )	
5149.45	43.91	-10.09	54	39.6	33.95	6.69	33.33	111	9	Average
5149.45	51.61	-22.39	74	48.3	33.95	6.69	33.33	111	9	Peak
5190	75.56	-	-	68.16	33.98	6.73	33.31	111	9	Average
5190	94.05	-	-	86.65	33.98	6.73	33.31	111	9	Peak
5426	38.68	-15.32	54	30.79	34.22	6.88	33.21	111	9	Average
5426	50.72	-23.28	74	42.83	34.22	6.88	33.21	111	9	Peak

Test Mode :	Mode 19	Temperature :	23~26°C					
Test Channel :	38	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Vertical						
Remark :	i190 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	( dBuV/m )	(dBuV)	( dB )	(dB)	( dB )	( cm )	(deg)	
5149.8	47.84	-6.16	54	43.53	33.95	6.69	33.33	113	315	Average
5149.8	56.72	-17.28	74	63.41	33.95	6.69	33.33	113	315	Peak
5190	78.76	-	-	71.36	33.98	6.73	33.31	113	315	Average
5190	98.46	-	-	91.06	33.98	6.73	33.31	113	315	Peak
5422	39.58	-14.42	54	31.69	34.22	6.88	33.21	113	315	Average
5422	51.61	-22.39	74	43.72	34.22	6.88	33.21	113	315	Peak

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Test Mode :	Mode 20	Temperature :	23~26°C					
Test Channel :	46	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Horizontal						
Remark :	230 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5084	39.5	-14.5	54	32.34	33.88	6.64	33.36	111	4	Average
5084	51.71	-22.29	74	44.55	33.88	6.64	33.36	111	4	Peak
5230	75.02	-	-	67.55	34.03	6.74	33.3	111	4	Average
5230	93.76	-	-	86.29	34.03	6.74	33.3	111	4	Peak
5384	38.77	-15.23	54	30.95	34.18	6.86	33.22	111	4	Average
5384	51.09	-22.91	74	43.27	34.18	6.86	33.22	111	4	Peak

Test Mode :	Mode 20	Temperature :	23~26°C					
Test Channel :	46	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Vertical						
Remark :	5230 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5136	41.17	-12.83	54	33.9	33.93	6.68	33.34	100	317	Average
5136	53.67	-20.33	74	46.4	33.93	6.68	33.34	100	317	Peak
5230	79.2	-	-	71.73	34.03	6.74	33.3	100	317	Average
5230	98.91	-	-	91.44	34.03	6.74	33.3	100	317	Peak
5376	39.87	-14.13	54	32.08	34.17	6.85	33.23	100	317	Average
5376	53.21	-20.79	74	45.42	34.17	6.85	33.23	100	317	Peak

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Test Mode :	Mode 21	Temperature :	23~26°C					
Test Channel :	54	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Horizontal						
Remark :	5270 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
5112	38.3	-15.7	54	31.07	33.92	6.66	33.35	121	3	Average
5112	52.03	-21.97	74	44.8	33.92	6.66	33.35	121	3	Peak
5270	75.22	-	-	67.64	34.07	6.78	33.27	121	3	Average
5270	94.52	-	-	86.94	34.07	6.78	33.27	121	3	Peak
5360	39.7	-14.3	54	31.93	34.15	6.85	33.23	121	3	Average
5360	51.34	-22.66	74	43.57	34.15	6.85	33.23	121	3	Peak

Test Mode :	Mode 21	Temperature :	23~26°C					
Test Channel :	54	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Wii Chang Polarization : Vertical						
Remark :	270 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
5126	39.65	-14.35	54	32.38	33.93	6.68	33.34	100	315	Average
5126	52.5	-21.5	74	45.23	33.93	6.68	33.34	100	315	Peak
5270	79.05	-	-	71.47	34.07	6.78	33.27	100	315	Average
5270	98.61	-	-	91.03	34.07	6.78	33.27	100	315	Peak
5360	41.56	-12.44	54	33.79	34.15	6.85	33.23	100	315	Average
5360	53.92	-20.08	74	46.15	34.15	6.85	33.23	100	315	Peak

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Test Mode :	Mode 22	Temperature :	23~26°C					
Test Channel :	62	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Vii Chang Polarization : Horizontal						
Remark :	3310 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	( dB )	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	( deg )	
5146	38.53	-15.47	54	31.22	33.95	6.69	33.33	135	11	Average
5146	51.26	-22.74	74	43.95	33.95	6.69	33.33	135	11	Peak
5310	75.48	-	-	67.8	34.12	6.81	33.25	135	11	Average
5310	93.7	-	-	86.02	34.12	6.81	33.25	135	11	Peak
5353.67	48.27	-5.73	54	40.53	34.15	6.83	33.24	135	11	Average
5353.67	63.06	-10.94	74	45.32	34.15	6.83	33.24	135	11	Peak

Test Mode :	Mode 22	Temperature :	23~26°C						
Test Channel :	62	Relative Humidity :	53~56%						
Test Engineer :	Wii Chang	Wii Chang Polarization :							
Remark :	5310 MHz is Fundamental S	310 MHz is Fundamental Signals which can be ignored.							

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	(dBuV/m)	(dB)	( dBuV/m )	(dBuV)	( dB )	( dB )	( dB )	( cm )	(deg)	
5094	38.65	-15.35	54	31.44	33.9	6.66	33.35	109	317	Average
5094	51.5	-22.5	74	44.29	33.9	6.66	33.35	109	317	Peak
5310	79.69	-	-	72.01	34.12	6.81	33.25	109	317	Average
5310	98.95	-	-	91.27	34.12	6.81	33.25	109	317	Peak
5353.05	43.32	-10.68	54	45.06	34.15	6.83	33.24	109	317	Average
5353.05	57.22	-16.78	74	62.58	34.15	6.83	33.24	109	317	Peak

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Test Mode :	Mode 23	Temperature :	23~26°C					
Test Channel :	102	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Horizontal					
D	1. 5510 MHz is Fundame	5510 MHz is Fundamental Signals which can be ignored.						
Remark :	2. 5470 MHz, 5725 MHz	5470 MHz, 5725 MHz are not within a restricted band.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	(dB)	( dB )	( cm )	( deg )	
5470	58.76	-9.54	68.3	54.76	34.27	6.92	33.19	105	10	Peak
5510	75.67	-	-	67.59	34.3	6.95	33.17	105	10	Average
5510	94.55	-	-	86.47	34.3	6.95	33.17	105	10	Peak
5725	50.78	-17.52	68.3	42.14	34.66	7.17	33.19	105	10	Peak

Test Mode :	Mode 23	Temperature :	23~26°C				
Test Channel :	102	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Vertical				
Domonic I	1. 5510 MHz is Fundamental Signals which can be ignored.						
Remark :	2. 5470 MHz, 5725 MHz a	5470 MHz, 5725 MHz are not within a restricted band.					

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
( MHz )	( dBuV/m )	Limit (dB)	Line ( dBuV/m )	Level (dBuV)	Factor ( dB )	Loss (dB)	Factor ( dB )	Pos (cm)	Pos ( deg )	
5470	61.89	-6.41	68.3	56.89	34.27	6.92	33.19	108	321	Peak
5510	80.45	-	-	72.37	34.3	6.95	33.17	108	321	Average
5510	100.88	-	-	92.8	34.3	6.95	33.17	108	321	Peak
5725	51.99	-16.31	68.3	43.35	34.66	7.17	33.19	108	321	Peak

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Test Mode :	Mode 24	Temperature :	23~26°C					
Test Channel :	118	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Horizontal					
Domosik i	1. 5590 MHz is Fundamental Signals which can be ignored.							
Remark :	2. 5470 MHz, 5725 MHz a	5470 MHz, 5725 MHz are not within a restricted band.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	(dB)	( dB )	( cm )	( deg )	
5470	50.13	-18.17	68.3	42.13	34.27	6.92	33.19	102	10	Peak
5590	76.37	-	-	68.09	34.44	7.02	33.18	102	10	Average
5590	94.93	-	-	86.65	34.44	7.02	33.18	102	10	Peak
5725	50.93	-17.37	68.3	42.29	34.66	7.17	33.19	102	10	Peak

Test Mode :	Mode 24	Temperature :	23~26°C				
Test Channel :	118	Relative Humidity :	53~56%				
Test Engineer :	Wii Chang	Polarization :	Vertical				
Remark :	1. 5590 MHz is Fundamental Signals which can be ignored.						
	2. 5470 MHz, 5725 MHz a	. 5470 MHz, 5725 MHz are not within a restricted band.					

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
(MHz)	( dBuV/m )	Limit ( dB )	Line ( dBuV/m )	Level (dBuV)	Factor ( dB )	Loss (dB)	Factor ( dB )	Pos (cm)	Pos ( deg )	
	, ,	,	/	, ,	. , ,	_ `	, , ,			
5470	51.55	-16.75	68.3	43.55	34.27	6.92	33.19	104	326	Peak
5590	80.73	-	-	72.45	34.44	7.02	33.18	104	326	Average
5590	100.92	-	-	92.64	34.44	7.02	33.18	104	326	Peak
5725	51.85	-16.45	68.3	43.21	34.66	7.17	33.19	104	326	Peak

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Test Mode :	Mode 25	Temperature :	23~26°C					
Test Channel :	134	Relative Humidity :	53~56%					
Test Engineer :	Wii Chang	Polarization :	Horizontal					
Remark :	5670 MHz is Fundamental Signals which can be ignored.							
	2. 5470 MHz, 5725 MHz a	5470 MHz, 5725 MHz are not within a restricted band.						

Frequency	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
(MHz)	( dBuV/m )	(dB)	( dBuV/m )	(dBuV)	( dB )	(dB)	( dB )	( cm )	( deg )	
5470	50.61	-17.69	68.3	42.61	34.27	6.92	33.19	101	14	Peak
5670	76.56	-	-	68.04	34.58	7.12	33.18	101	14	Average
5670	96.25	-	-	87.73	34.58	7.12	33.18	101	14	Peak
5725	53.01	-15.29	68.3	44.37	34.66	7.17	33.19	101	14	Peak

Test Mode :	Mode 25	Temperature :	23~26°C			
Test Channel :	134	Relative Humidity :	53~56%			
Test Engineer :	Wii Chang	Polarization :	Vertical			
Domonic I	1. 5670 MHz is Fundamental Signals which can be ignored.					
Remark :	d band.					

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBuV/m )	(dB)	(dBuV/m)	(dBuV)	( dB )	(dB)	( dB )	( cm )	(deg)	
5470	50.02	-18.28	68.3	42.02	34.27	6.92	33.19	102	317	Peak
5670	81.19	-	-	72.67	34.58	7.12	33.18	102	317	Average
5670	102.32	-	-	93.8	34.58	7.12	33.18	102	317	Peak
5725	59.19	-9.11	68.3	50.55	34.66	7.17	33.19	102	317	Peak

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#### 3.4 Automatically Discontinue Transmission

#### 3.4.1 Limit of Automatically Discontinue Transmission

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

#### 3.4.2 Measuring Instruments

See list of measuring instruments of this test report.

#### 3.4.3 Test Result of Automatically Discontinue Transmission

During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

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#### 3.5 Antenna Requirements

#### 3.5.1 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.

#### 3.5.2 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.

#### 3.5.3 Antenna Gain

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

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4 List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMI Test Receive	R&S	ESCI 7	100724	9kHz~7GHz	Aug. 22, 2011	Aug. 21, 2012	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100081	9KHz – 30MHz	Dec. 03, 2010	Dec. 02, 2011	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100080	9KHz – 30MHz	Dec. 01, 2010	Nov. 30, 2011	Conduction (CO05-HY)
AC Power Source	APC	APC-1000W	N/A	N/A	N/A	N/A	Conduction (CO05-HY)
Spectrum Analyzer	R&S	FSP30	101352	9KHz-30GHz	Nov. 03, 2010	Nov. 02, 2011	Radiation (03CH05-HY)
COM-POWER	Double Ridge Horn	AH-118	701030	1HGz~18GHz	N/A	N/A	Radiation (03CH05-HY)
Bilog Antenna	SCHAFFNER	CBL6111C	2725	30MHz ~ 1GHz	Nov. 06, 2010	Nov. 05, 2011	Radiation (03CH05-HY)
Turn Table	HD	Deis HD 2000	420/611	0 - 360 degree	N/A	N/A	Radiation (03CH05-HY)
Antenna Mast	HD	MA 240	240/666	1 m - 4 m	N/A	N/A	Radiation (03CH05-HY)
Horn Antenna	ESCO	3117	66584	1GHz ~ 18GHz	Aug. 04, 2011	Aug. 03, 2012	Radiation (03CH05-HY)
COM-POWER	COM-POWER	PA-103	161075	1KHz - 1GHz	Mar. 29, 2011	Mar. 28, 2012	Radiation (03CH05-HY)
Pre Amplifier	EMCI	EMC051845	SN980048	1HGz~18GHz	Jul. 19, 2011	Jul. 18, 2012	Radiation (03CH05-HY)
Preamplifier	MITEQ	AMF-7D-0010 1800-30-10P	159087	1HGz~18GHz	Feb. 21, 2011	Feb. 20, 2012	Radiation (03CH05-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1GHz- 26.5GHz	Apr. 14, 2011	Apr. 13, 2012	Radiation (03CH05-HY)

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# 5 Uncertainty of Evaluation

#### <u>Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)</u>

	Uncerta			
Contribution	dB	Probability Distribution	u(X <sub>i</sub> )	
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		

#### <u>Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)</u>

	Uncerta			
Contribution	dB	Probability Distribution	u(X <sub>i</sub> )	
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			

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

	Uncertai					
Contribution	dB	dB Probability Distribution		Ci	C <sub>i</sub> * u(X <sub>i</sub> )	
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 $\Gamma$ 1 = 0.197 Antenna VSWR $\Gamma$ 2 = 0.194 Uncertainty = 20Log(1- $\Gamma$ 1* $\Gamma$ 2)	+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					

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# Appendix A. Photographs of EUT

Please refer to Sporton report number EP170707 as below.

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#### 1. External Photograph of EUT

Brand Name: DAP / Model Name: 9000WBWZV1 / Marketing Name: M9010

Report No.: EP170707



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Brand Name: DAP / Model Name: 9000WBWZV1 / Marketing Name: M9010

Report No.: EP170707



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#### 2. Photograph of Accessory

Brand Name: DAP / Model Name: 9000WBWZV1 / Marketing Name: M9010

Report No.: EP170707

**List of Accessory:** 

Specification of Accessory				
	Brand Name	CINCON ELECTRONICS		
AC Adapter	Model Name	TRG36A15 12E03		
	Brand Name	DAP		
Battery 1		- / ··		
-	Model Name	VE026-8034		
Battery 2	Brand Name	DAP		
	Model Name	VE026-8035		
LCD Panel	Brand Name	SGD		
LOD Fallel	Model Name	GNTW70NNBA1E0		
Camera 1	Brand Name	DEMARREN		
	Model Name	Q5M03A		
WWAN Module	Brand Name	Sierra Wireless		
WWAIT MOdule	Model Name	MC8355		
  WLAN Module	Brand Name	Summit Data Communications		
VVLAN WIOGUIE	Model Name	SDC-PE15N		
Bluetooth Module	Brand Name	Bluegiga		
Bidetootii Woddie	Model Name	WT21-A		
Zigbee Module	Brand Name	Atmel		
Zigbee Wodule	Model Name	ATmega128RFA1		
Power Cord 1	Brand Name	QUAIL		
rower cold i	Model Name	1062.079(NAM032)		
Power Cord 2	Brand Name	QUAIL		
	Model Name	8002.079(NAM033)		
Power Cord 3	Brand Name	QUAIL		
	Model Name	9657.079(NAM034)		

**Remark:** For accessories equipped with this EUT, please refer to the following photos.

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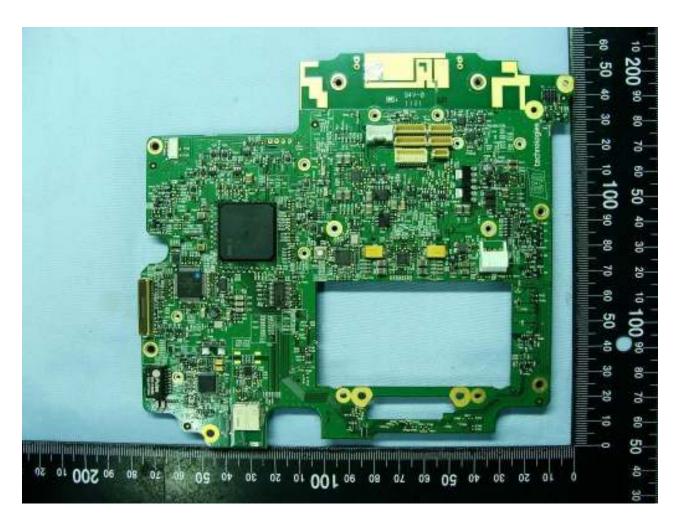
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## 3. Internal Photograph of EUT

Brand Name: DAP / Model Name: 9000WBWZV1 / Marketing Name: M9010

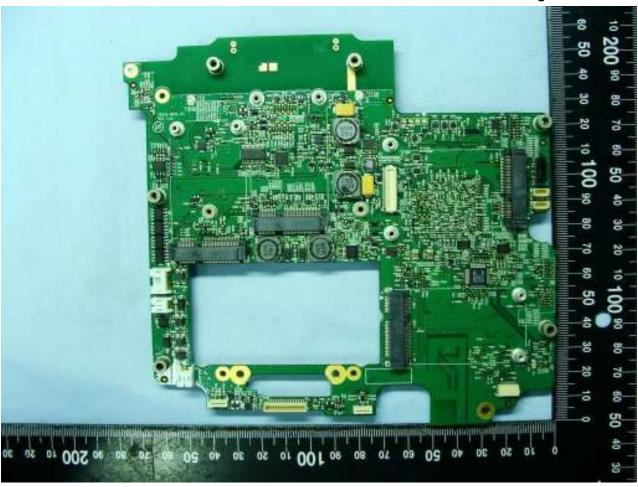
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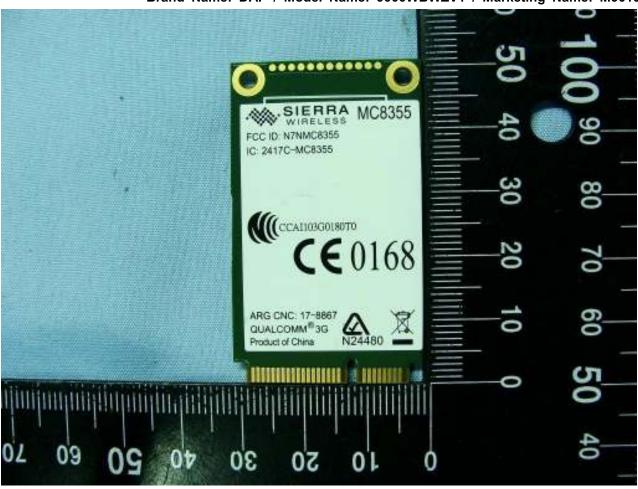


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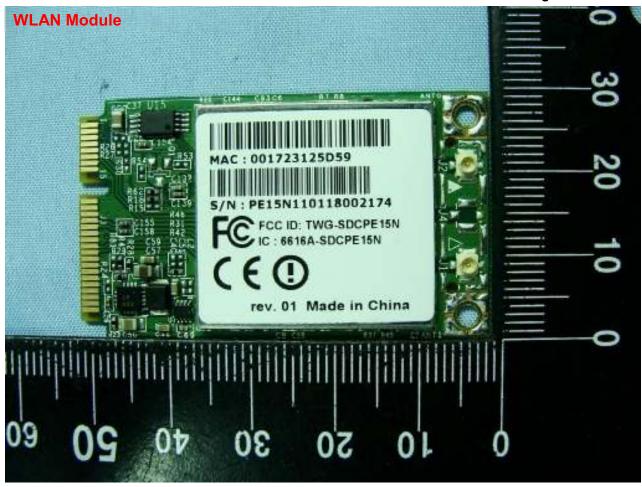


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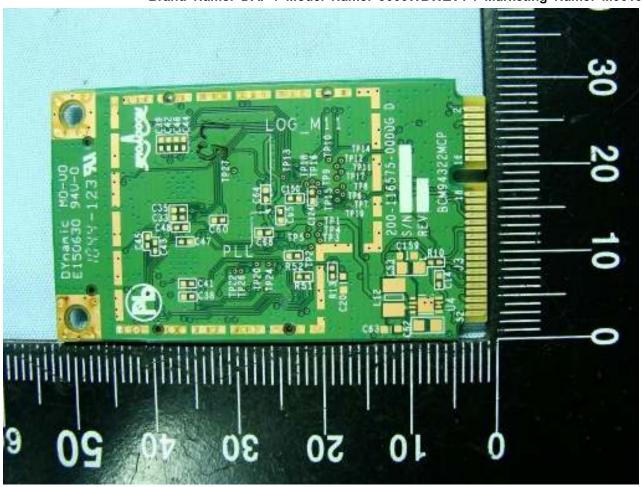
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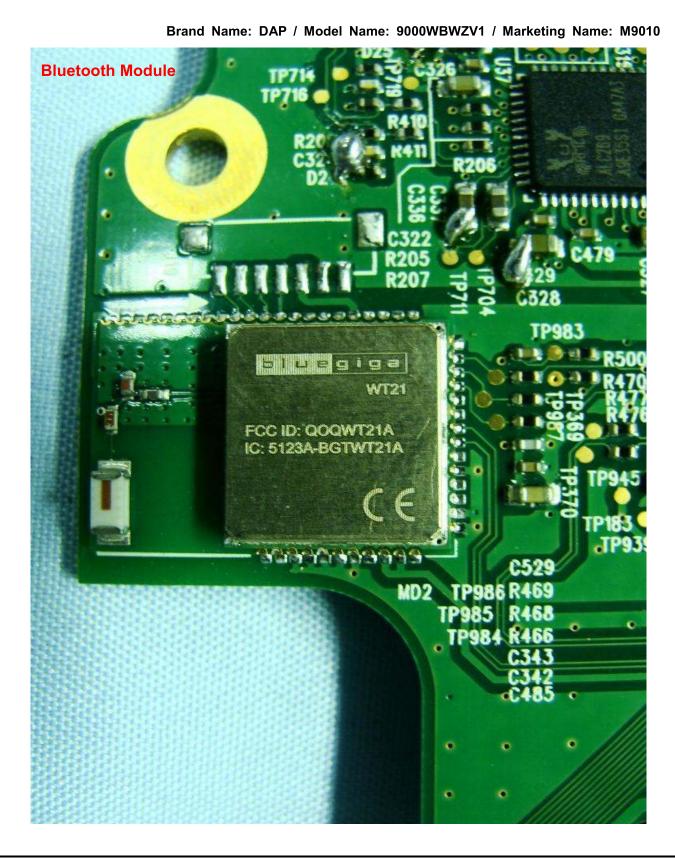
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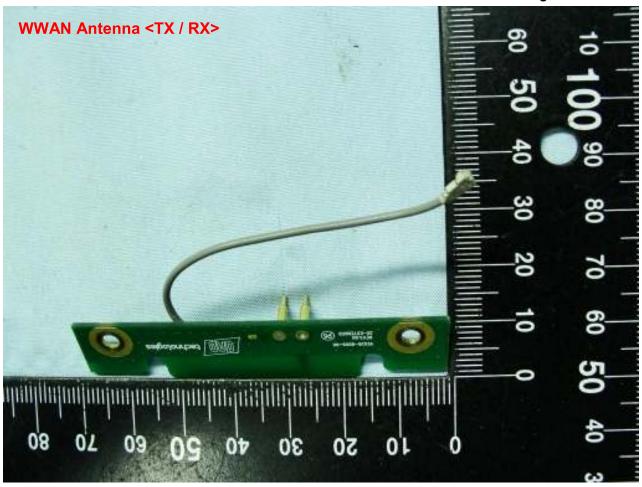


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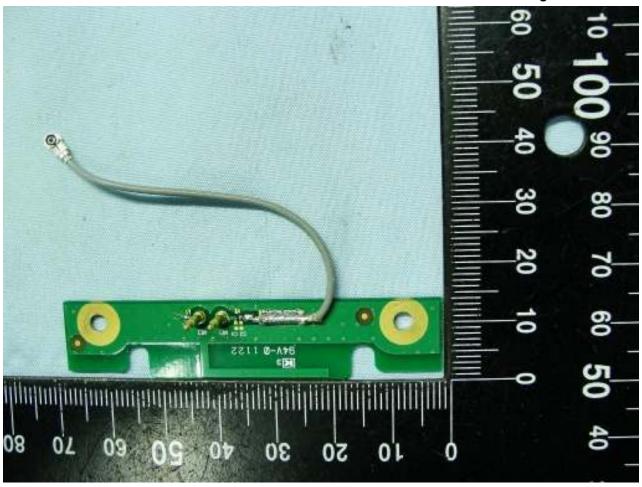


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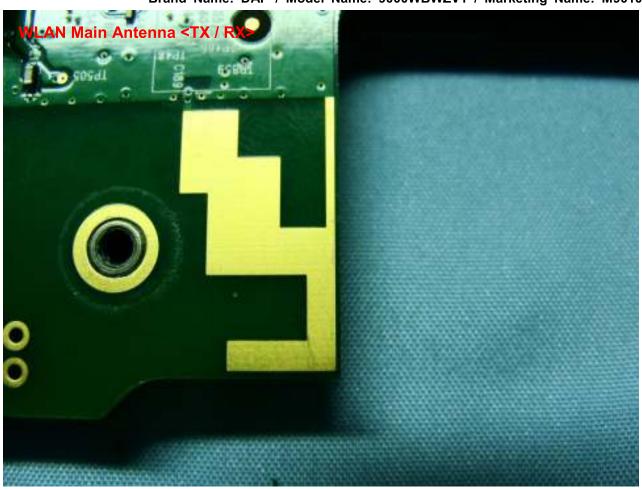
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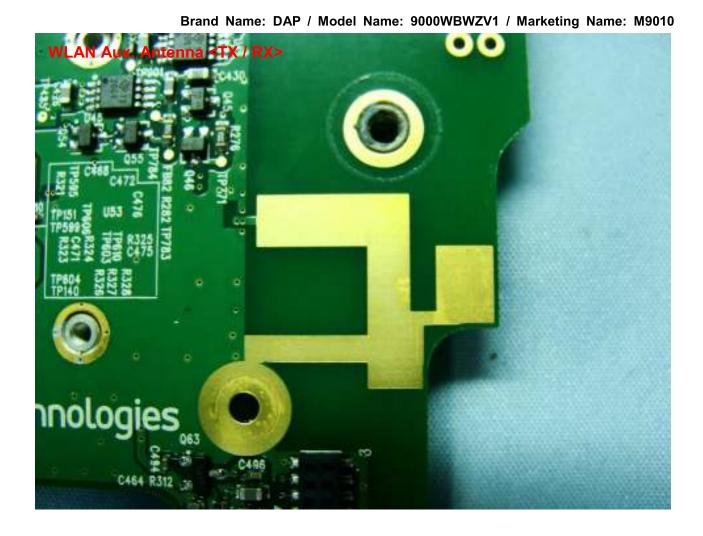
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TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: T5M9000WBWZV1 IC: 4609A-9000WBWZV1 Page Number : 18 of 23
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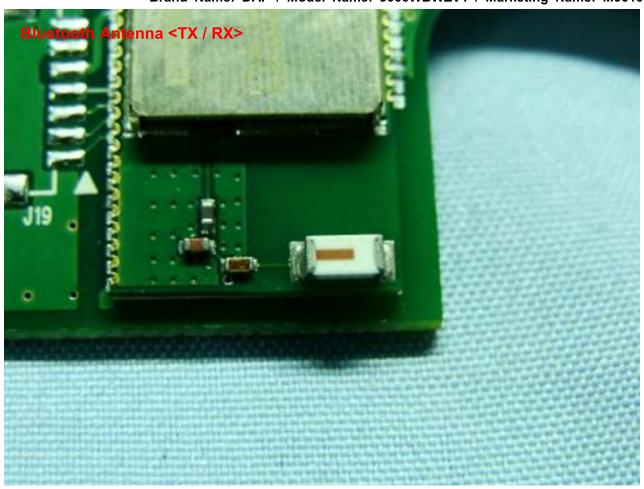
Report No.: EP170707



SPORTON INTERNATIONAL INC.

TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: T5M9000WBWZV1 IC: 4609A-9000WBWZV1 Page Number : 19 of 23
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SPORTON INTERNATIONAL INC.

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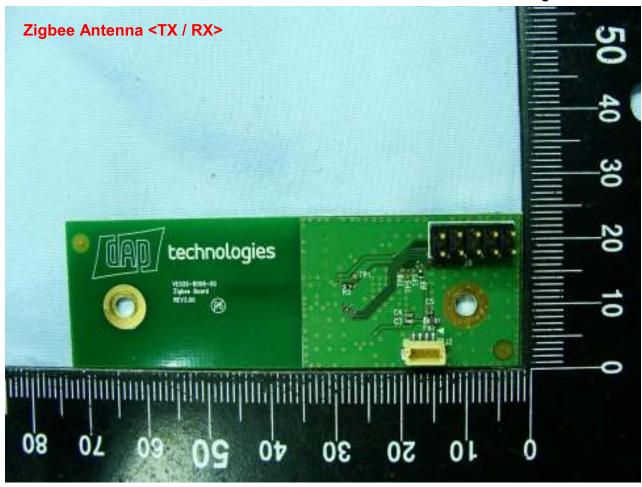
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TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: T5M9000WBWZV1 IC: 4609A-9000WBWZV1 Page Number : 21 of 23
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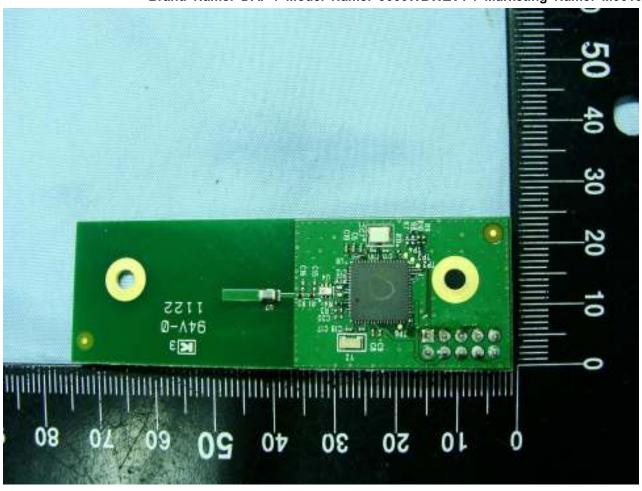


TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: T5M9000WBWZV1 IC: 4609A-9000WBWZV1

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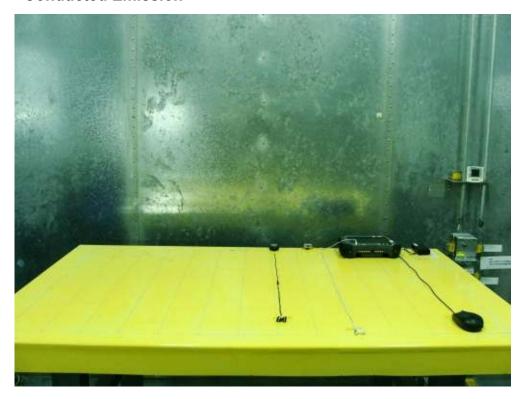
TEL: 886-3-327-3456 FAX: 886-3-328-4978 FCC ID: T5M9000WBWZV1 IC: 4609A-9000WBWZV1

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## Appendix B. Setup Photographs

## <Conducted Emission>



SPORTON INTERNATIONAL INC.

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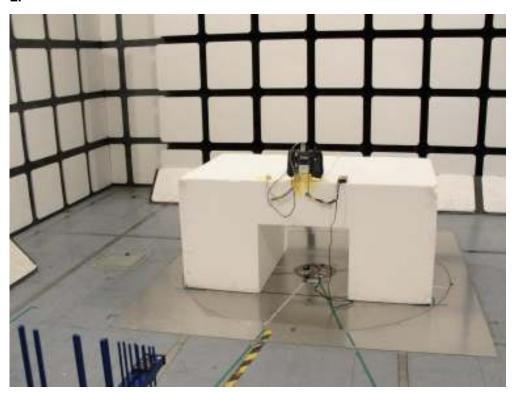
Report No.: FR170707C





## <Radiated Emission>

LF



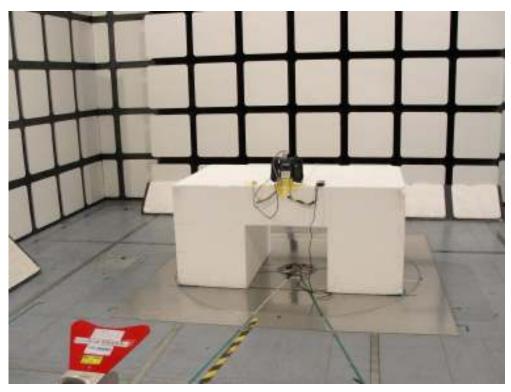
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