Partial FCC Test Report

APPLICANT	**:**	**Getac Technology Corporation**
EQUIPMENT	**:**	**Notebook PC**
BRAND NAME	**:**	**Getac**
MODEL NAME	**:**	**B300**
FCC ID	**:**	**QYL305**
STANDARD	**:**	**FCC Part 15 Subpart E**
CLASSIFICATION	**:**	**Unlicensed National Information Infrastructure (UNII)**

The product was integrated the WLAN Module (Brand Name: Intel / Model Name: 533AN_MMW, FCC ID: PD9533ANM) during the test.

The product was received on Mar. 18, 2100 and completely tested on Apr. 07, 2010. 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: Roy Wu / Manager

Testing Laboratory 1190

SPORTON INTERNATIONAL INC.

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

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APPENDIX A. PHOTOGRAPHS OF EUT

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR980406-03B	Rev. 01	Initial issue of report	Apr. 07, 2010

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 7.2.2	AC Conducted Emission	15.207(a)	Pass	Under limit 11.0 dB at 17.174 MHz
3.3	15.407(b)	A9.3	Transmitter Radiated Emission	≤ -17, -27 dBm (depend on band)&15.209(a)	Pass	Under limit 6.0 dB at 184.44 MHz
3.4	15.203 & 15.407(a)	A9.2	Antenna Requirement	N/A	Pass	-

1 General Description

1.1 Applicant

Getac Technology Corporation

5F., Building A, No. 209, Sec. 1, Nangang Rd., Nangang Dist., Taipei City 11568, Taiwan, R.O.C.

1.2 Manufacturer

GeTAC Technology(Kunshan) LTD.

No. 269, 2nd Road, Export Processing Zone, Changjiang South Road, Kunshan, Jiangsu, P.R.C.

1.3 Feature of Equipment Under Test

Product Feature & Specification	
Equipment	Notebook PC
Brand Name	Getac
Model Name	B300
FCC ID	QYL305
Tx/Rx Frequency Range	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz
Antenna Type	PIFA Antenna with gain -2.23 dBi
HW Version	R03
SW Version	R1.16
Type of Modulation	OFDM (BPSK / QPSK / 16QAM / 64QAM)
EUT Stage	Identical Prototype

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.

1.4 Testing Site

Test Site	SPORTON INTERNATIONAL INC.		
Test Site Location	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL: +886-3-3273456 / FAX: +886-3-3284978		
Test Site No.	Sporton Site No.		FCC/IC Registration No.
	CO05-HY	03CH06-HY	TW1022/4086B-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 7

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B (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.	System Simulator	R&S	CMU 200	N/A	N/A	Unshielded, 1.8 m
2.	GPS Station	T&E	GS-50	N/A	N/A	Unshielded, 1.8 m
3.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
4.	Modem	ACEEX	DM1414	IFAXDM1414	Shielded, 1.5 m	N/A
5.	Exchange	Sun Moon Star	SMS-4 PLUS	95180108	Shielded, 1.6 m	N/A
6.	(RS-232) Mouse	State	MS-303	FCC DoC	Shielded, 1.3 m	N/A
7.	Notebook	DELL	Vostro 1510	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
8.	LCD Monitor	Lenovo	6135-AB1	FCC DoC	Shielded, 1.6 m	Unshielded, 1.8 m
9.	Earphone	Ergotech	ET-E200	FCC DoC	Unshielded, 1.8 m	N/A
10.	Bluetooth Earphone	Nokia	BH-102	PYAHS-107W	N/A	N/A
11.	iPod	Apple	A1199	FCC DoC	Shielded, 1.0 m	N/A
12.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A

2 Test Configuration of Equipment Under Test

2.1 Carrier Frequency Channel

802.11a Carrier Frequency Channel							
Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
36	5180	40	5200	44	5220	48	5240
52	5260	56	5280	60	5300	64	5320
100	5500	104	5520	108	5540	112	5560
116	5580	120	5600	124	5620	128	5640
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	120	5600	124	5620	128	5640
132	5660	136	5680	140	5700	-	-

802.11n (BW 40MHz) Carrier Frequency Channel							
Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)	Channel	Freq. (MHz)
38	5190	46	5230	54	5270	62	5310
102	5510	110	5550	118	5590	126	5630
134	5670	-	-	-	-	-	-

2.2 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).

	Test Cases
Test Item	**802.11a (Modulation : OFDM)**
Radiated TCs	■ Mode 1: 802.11a_CH36_5180 MHz ■ Mode 2: 802.11a_CH52_5260 MHz ■ Mode 3: 802.11a_CH64_5320 MHz ■ Mode 4: 802.11a_CH100_5500 MHz ■ Mode 5: 802.11a_CH120_5600 MHz ■ Mode 6: 802.11a_CH140_5700 MHz ■ Mode 7: 802.11n_CH36_5180 MHz (BW 20M) ■ Mode 8: 802.11n_CH44_5220 MHz (BW 20M) ■ Mode 9: 802.11n_CH48_5240 MHz (BW 20M) ■ Mode 10: 802.11n_CH52_5260 MHz (BW 20M) ■ Mode 11: 802.11n_CH60_5300 MHz (BW 20M) ■ Mode 12: 802.11n_CH64_5320 MHz (BW 20M) ■ Mode 13: 802.11n_CH100_5550 MHz (BW 20M) ■ Mode 14: 802.11n_CH120_5600 MHz (BW 20M) ■ Mode 15: 802.11n_CH140_5700 MHz (BW 20M) ■ Mode 16: 802.11n_CH38_5190 MHz (BW 40M) ■ Mode 17: 802.11n_CH54_5270 MHz (BW 40M) ■ Mode 18: 802.11n_CH62_5310 MHz (BW 40M) ■ Mode 19: 802.11n_CH102_5510 MHz (BW 40M) ■ Mode 20: 802.11n_CH118_5590 MHz (BW 40M) ■ Mode 21: 802.11n_CH134_5670 MHz (BW 40M)
AC Conducted Emission	GSM850 Idle + WLAN Link + Bluetooth Link + TC + Adapter

Remark:

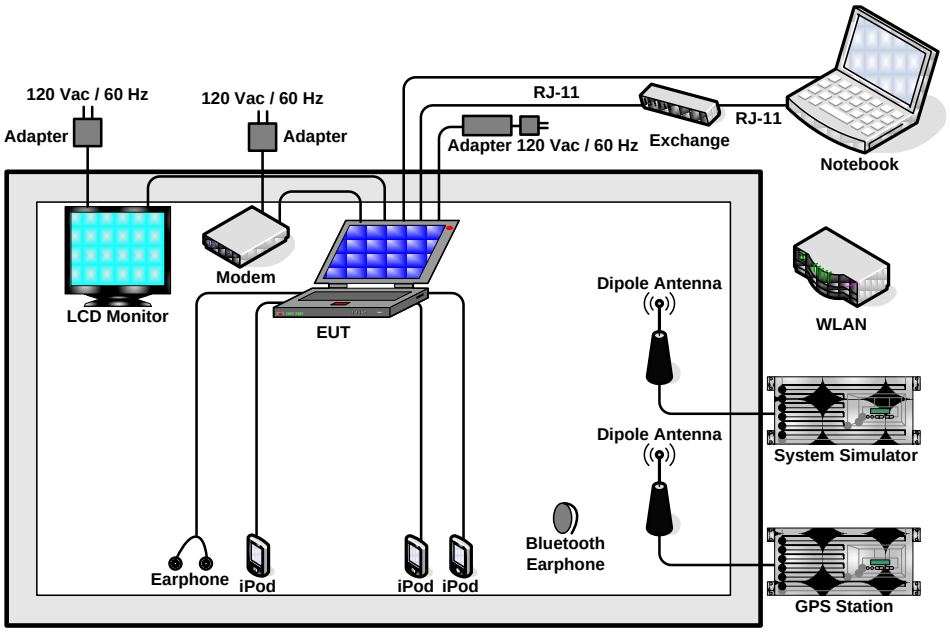
1. TC stands for Test Configuration, and consists of iPod, monitor, modem, earphone, and RJ-45.

2. Mode 1~6 and mode 16~21 were only performed for band edges test.

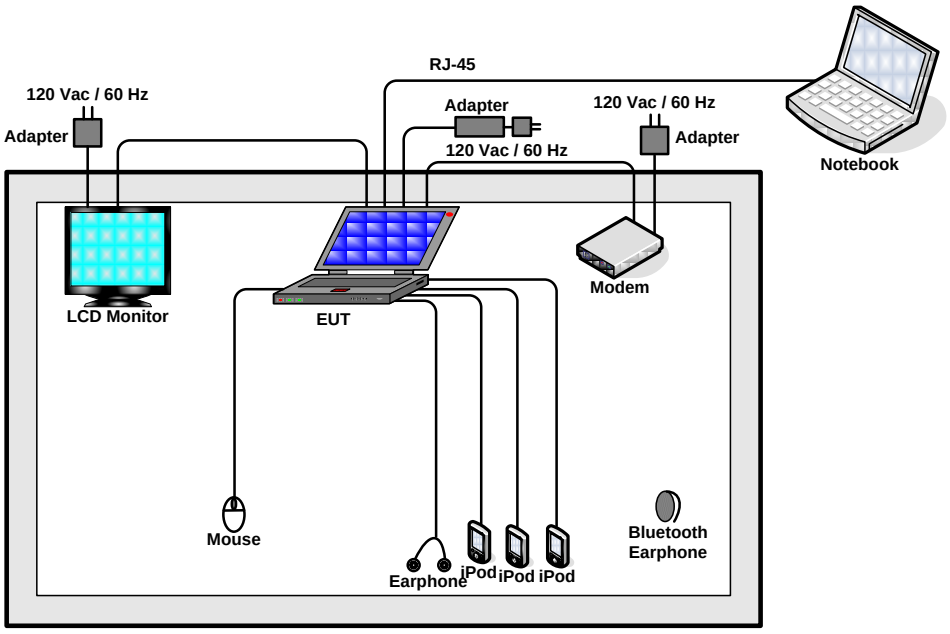
3. Only the radiated emission and AC conducted emission tests of the EUT were performed in the report, the conducted test cases can be referred to the WLAN module Report (FCC ID: PD9533ANM / Elliott Filec Number: R71281 Rev 1).

2.3 Connection Diagram of Test System

<Conduction Test>



<Radiation Test>



2.4 RF Utility

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

3 Test Result

3.1 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 Restricted bands of operation of this part apply to intentional radiators operating under this section.

3.1.2 Measuring Instruments

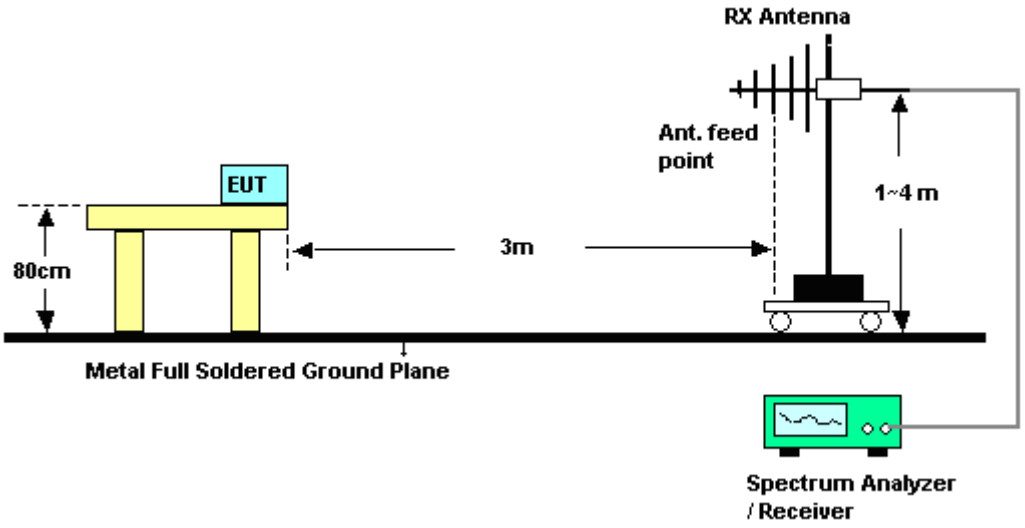
See list of measuring instruments of this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

<Radiated>



3.1.5 Test Result of Radiated Band Edges

Test Mode :	Mode 1	**Temperature :**	21~23°C
Test Band :	802.11a	**Relative Humidity :**	48~50%
Test Channel :	36	**Test Engineer :**	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	**Level (dBuV/m)**	**Over Limit (dB)**	**Limit Line (dBuV/m)**	**Read Level (dBuV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5150	47.9	-26.1	74	43.97	34.02	5.98	36.07	100	57	Peak
5150	35.39	-18.61	54	31.46	34.02	5.98	36.07	100	57	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	**Level (dBuV/m)**	**Over Limit (dB)**	**Limit Line (dBuV/m)**	**Read Level (dBuV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5150	48.12	-25.88	74	44.19	34.02	5.98	36.07	100	345	Peak
5150	35.88	-18.12	54	31.95	34.02	5.98	36.07	100	345	Average

Test Mode :	Mode 3	**Temperature :**	21~23°C
Test Band :	802.11a	**Relative Humidity :**	48~50%
Test Channel :	64	**Test Engineer :**	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	**Level (dBuV/m)**	**Over Limit (dB)**	**Limit Line (dBuV/m)**	**Read Level (dBuV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5350	47.52	-26.48	74	43.28	34.18	6.09	36.03	100	31	Peak
5350	35.06	-18.94	54	30.82	34.18	6.09	36.03	100	31	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	**Level (dBuV/m)**	**Over Limit (dB)**	**Limit Line (dBuV/m)**	**Read Level (dBuV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5350	49.37	-24.63	74	45.13	34.18	6.09	36.03	114	20	Peak
5350	36.97	-17.03	54	32.73	34.18	6.09	36.03	114	20	Average

Test Mode :	Mode 4	Temperature :	21~23°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	48~50%
Test Channel :	100	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.35	-20.95	68.3	42.93	34.27	6.16	36.01	100	1	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.38	-20.92	68.3	42.96	34.27	6.16	36.01	100	34	Peak

Test Mode :	Mode 6	Temperature :	21~23°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	48~50%
Test Channel :	140	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	47.48	-20.82	68.3	42.42	34.66	6.4	36	183	6	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	48.09	-20.21	68.3	43.03	34.66	6.4	36	100	16	Peak

Test Mode :	Mode 7	Temperature :	21~23°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	48~50%
Test Channel :	36	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	46.77	-27.23	74	42.84	34.02	5.98	36.07	100	300	Peak
5150	35.49	-18.51	54	31.56	34.02	5.98	36.07	100	300	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	47.86	-26.14	74	43.93	34.02	5.98	36.07	100	48	Peak
5150	35.5	-18.5	54	31.57	34.02	5.98	36.07	100	48	Average

Test Mode :	Mode 9	Temperature :	21~23°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	48~50%
Test Channel :	48	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	47.67	-26.33	74	43.43	34.18	6.09	36.03	102	303	Peak
5350	34.97	-19.03	54	30.73	34.18	6.09	36.03	102	303	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	46.53	-27.47	74	42.29	34.18	6.09	36.03	100	20	Peak
5350	34.91	-19.09	54	30.67	34.18	6.09	36.03	100	20	Average

Test Mode :	Mode 10	Temperature :	21~23°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	48~50%
Test Channel :	52	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	47.16	-26.84	74	43.23	34.02	5.98	36.07	100	297	Peak
5150	35.42	-18.58	54	31.49	34.02	5.98	36.07	100	297	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	49.09	-24.91	74	45.16	34.02	5.98	36.07	100	48	Peak
5150	36.29	-17.71	54	32.36	34.02	5.98	36.07	100	48	Average

Test Mode :	Mode 12	Temperature :	21~23°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	48~50%
Test Channel :	64	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	47.17	-26.83	74	42.93	34.18	6.09	36.03	100	295	Peak
5350	35.06	-18.94	54	30.82	34.18	6.09	36.03	100	295	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	46.89	-27.11	74	42.65	34.18	6.09	36.03	100	23	Peak
5350	35.2	-18.8	54	30.96	34.18	6.09	36.03	100	23	Average

Test Mode :	Mode 13	Temperature :	21~23°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	48~50%
Test Channel :	100	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	46.78	-21.52	68.3	42.36	34.27	6.16	36.01	100	40	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.85	-20.45	68.3	43.43	34.27	6.16	36.01	100	31	Peak

Test Mode :	Mode 15	Temperature :	21~23°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	48~50%
Test Channel :	140	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	47.77	-20.53	68.3	42.71	34.66	6.4	36	100	328	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	48.99	-19.31	68.3	43.93	34.66	6.4	36	100	173	Peak

Test Mode :	Mode 16	Temperature :	21~23°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	48~50%
Test Channel :	38	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	47.76	-26.24	74	43.83	34.02	5.98	36.07	100	348	Peak
5150	35.58	-18.42	54	31.65	34.02	5.98	36.07	100	348	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	48.31	-25.69	74	44.38	34.02	5.98	36.07	100	343	Peak
5150	35.91	-18.09	54	31.98	34.02	5.98	36.07	100	343	Average

Test Mode :	Mode 18	Temperature :	21~23°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	48~50%
Test Channel :	62	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	47.73	-26.27	74	43.49	34.18	6.09	36.03	100	43	Peak
5350	35.2	-18.8	54	30.96	34.18	6.09	36.03	100	43	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	47.94	-26.06	74	43.7	34.18	6.09	36.03	100	19	Peak
5350	36.14	-17.86	54	31.9	34.18	6.09	36.03	100	19	Average

Test Mode :	Mode 19	Temperature :	21~23°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	48~50%
Test Channel :	102	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	45.85	-22.45	68.3	41.43	34.27	6.16	36.01	100	45	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.59	-20.71	68.3	43.17	34.27	6.16	36.01	100	17	Peak

Test Mode :	Mode 21	Temperature :	21~23°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	48~50%
Test Channel :	134	Test Engineer :	Elvis Chen and Kay Wu

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	47.33	-20.97	68.3	42.27	34.66	6.4	36	100	324	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	48.58	-19.72	68.3	43.52	34.66	6.4	36	100	13	Peak

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.

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

*Decreases with the logarithm of the frequency.

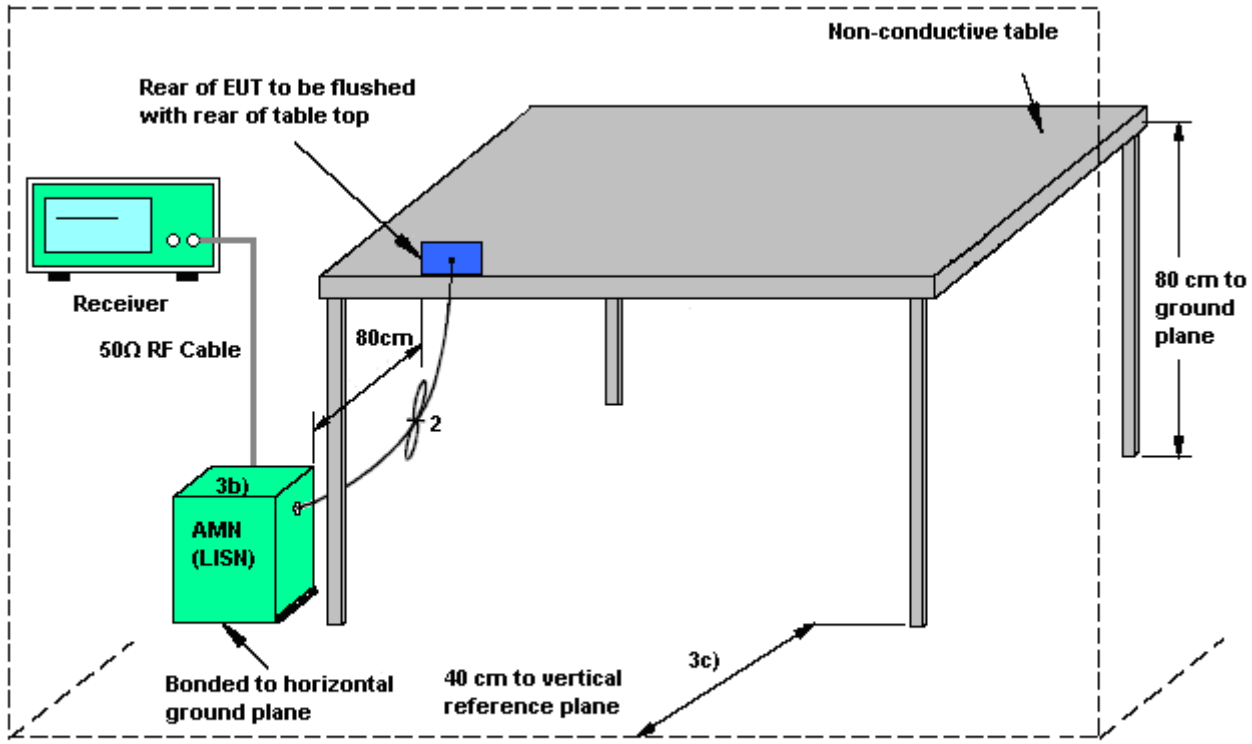
3.2.2 Measuring Instruments

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.

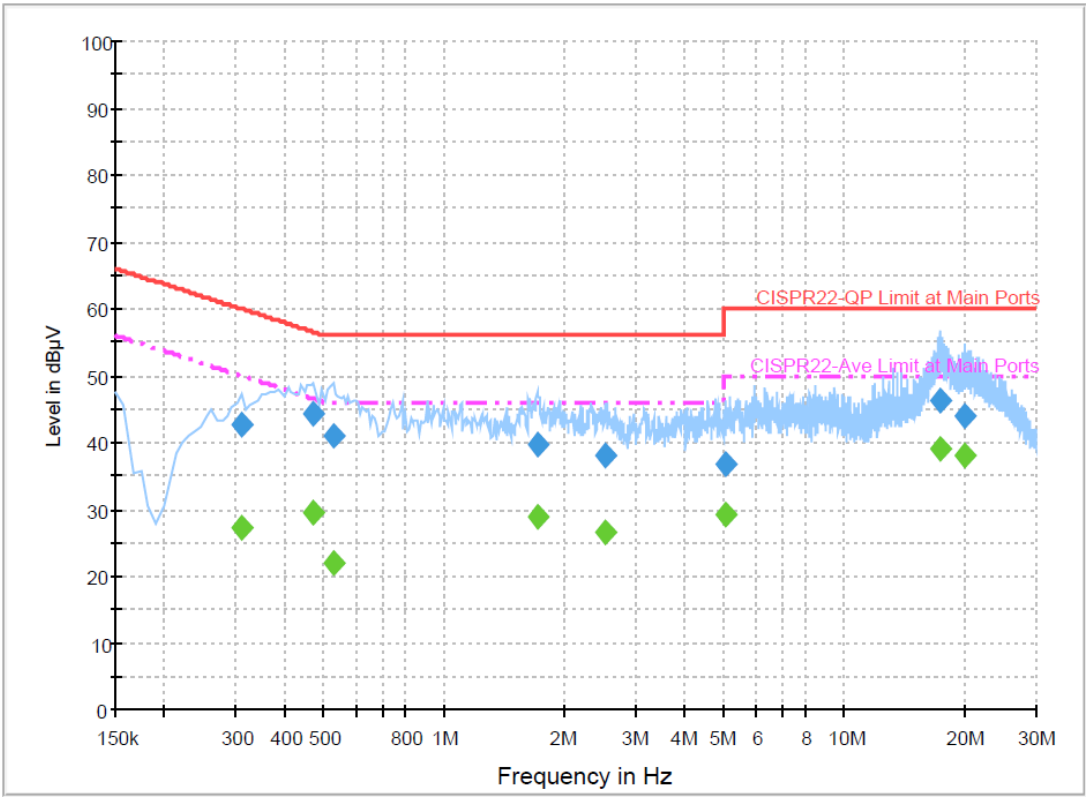
3.2.4 Test Setup



AMN = Artificial mains network (LISN)
AE = Associated equipment
EUT = Equipment under test
ISN = Impedance stabilization network

3.2.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	**Temperature :**	20~22℃
Test Engineer :	Novic Jiang	**Relative Humidity :**	42~44%
Test Voltage :	120Vac / 60Hz	**Phase :**	Line
Function Type :	GSM850 Idle + WLAN Link + Bluetooth Link + TC + Adapter		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



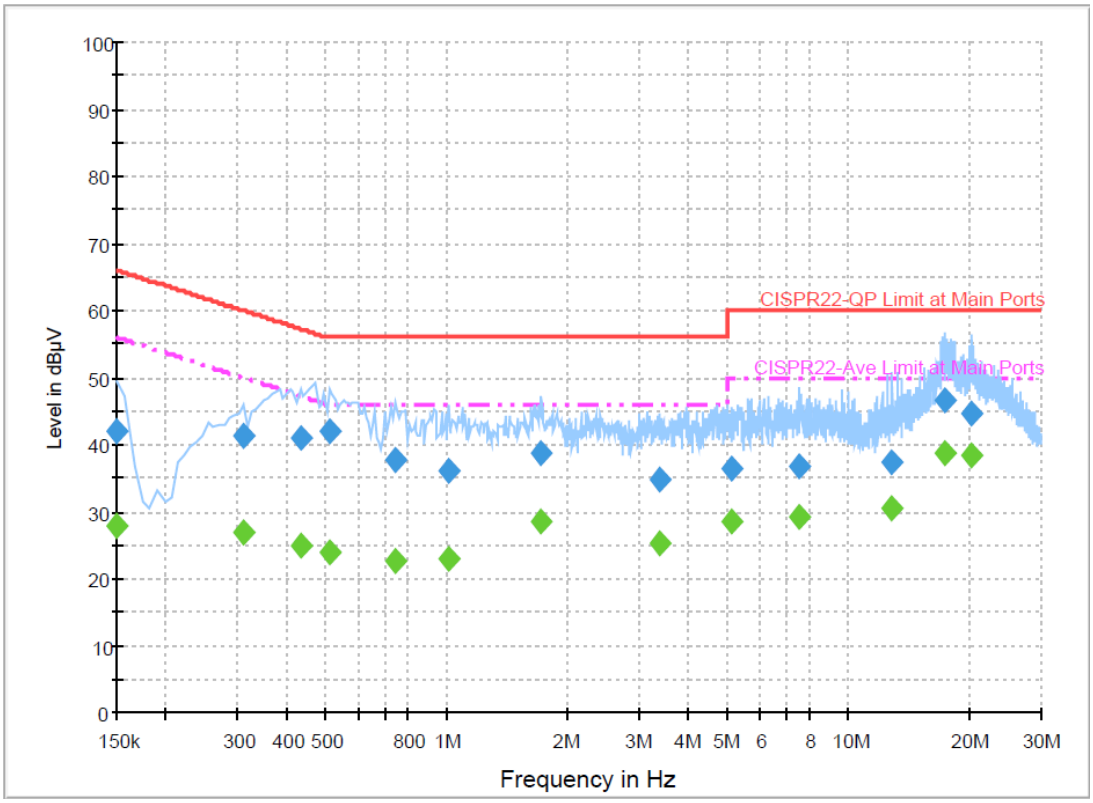
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.310000	42.7	Off	L1	19.5	17.3	60.0
0.470000	44.3	Off	L1	19.4	12.2	56.5
0.526000	40.9	Off	L1	19.5	15.1	56.0
1.702000	39.5	Off	L1	19.5	16.5	56.0
2.518000	38.1	Off	L1	19.5	18.0	56.0
5.014000	36.8	Off	L1	19.5	23.2	60.0
17.174000	46.2	Off	L1	19.6	13.8	60.0
19.782000	44.0	Off	L1	19.8	16.0	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.310000	27.4	Off	L1	19.5	22.6	50.0
0.470000	29.4	Off	L1	19.4	17.1	46.5
0.526000	22.0	Off	L1	19.5	24.0	46.0
1.702000	28.9	Off	L1	19.5	17.1	46.0
2.518000	26.6	Off	L1	19.5	19.4	46.0
5.014000	29.3	Off	L1	19.5	20.7	50.0
17.174000	39.0	Off	L1	19.6	11.0	50.0
19.782000	38.1	Off	L1	19.8	11.9	50.0

Test Mode :	Mode 1	Temperature :	20~22℃
Test Engineer :	Novic Jiang	Relative Humidity :	42~44%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	GSM850 Idle + WLAN Link + Bluetooth Link + TC + Adapter		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	42.1	Off	N	19.5	23.9	66.0
0.310000	41.2	Off	N	19.5	18.8	60.0
0.430000	41.0	Off	N	19.4	16.3	57.3
0.510000	42.1	Off	N	19.4	13.9	56.0
0.742000	37.6	Off	N	19.5	18.4	56.0
1.006000	35.9	Off	N	19.4	20.1	56.0
1.710000	38.7	Off	N	19.5	17.3	56.0
3.366000	34.9	Off	N	19.5	21.1	56.0
5.110000	36.4	Off	N	19.5	23.6	60.0
7.510000	36.6	Off	N	19.6	23.4	60.0
12.798000	37.4	Off	N	19.7	22.6	60.0
17.278000	46.4	Off	N	19.7	13.6	60.0
20.238000	44.7	Off	N	19.8	15.3	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	27.9	Off	N	19.5	28.1	56.0
0.310000	27.0	Off	N	19.5	23.0	50.0
0.430000	24.8	Off	N	19.4	22.5	47.3
0.510000	24.1	Off	N	19.4	21.9	46.0
0.742000	22.5	Off	N	19.5	23.5	46.0
1.006000	23.1	Off	N	19.4	22.9	46.0
1.710000	28.6	Off	N	19.5	17.4	46.0
3.366000	25.3	Off	N	19.5	20.7	46.0
5.110000	28.5	Off	N	19.5	21.5	50.0
7.510000	29.1	Off	N	19.6	20.9	50.0
12.798000	30.5	Off	N	19.7	19.5	50.0
17.278000	38.8	Off	N	19.7	11.2	50.0
20.238000	38.3	Off	N	19.8	11.7	50.0

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

(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 Restricted bands of operation of this part apply to intentional radiators operating under this section.

3.3.2 Measuring Instruments

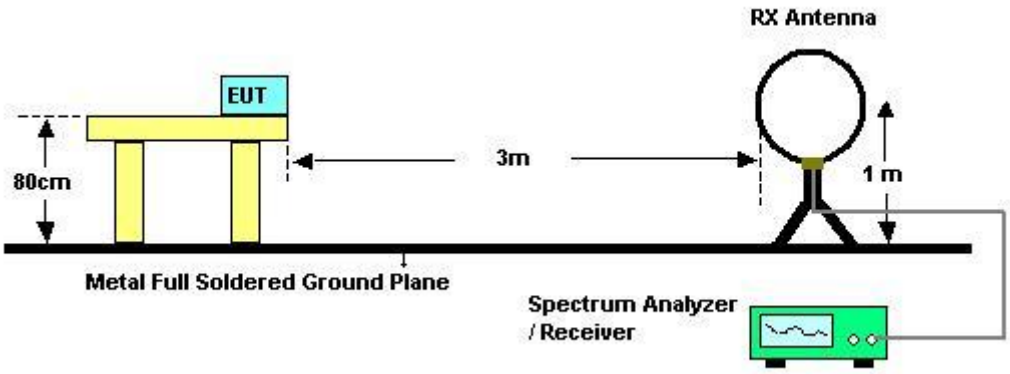
See list of measuring instruments of this test report.

3.3.3 Test Procedures

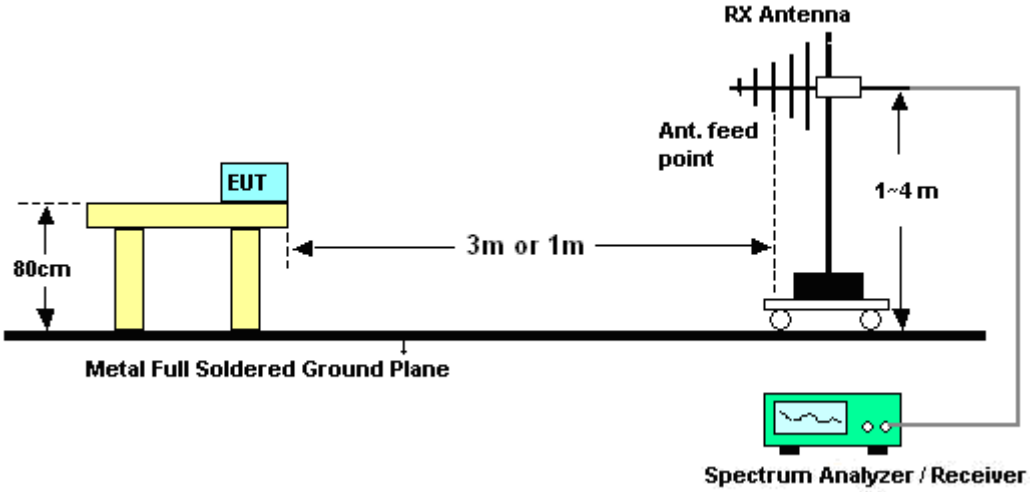
1. The testing follows the guidelines in FCC Public Notice DA 02-2138, (Measurement Guidelines of UNII)
2. The EUT was placed on a rotatable table top 0.8 meter above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna 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.

3.3.4 Test Setup

For radiated emissions below 30MHz



For radiated emissions above 30MHz



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

Temperature	21~24°C	Humidity	40~47%
Test Engineer	Kai Wang and Elvis Chen		

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

Note:

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

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

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

3.3.6 Test Result of Radiated Emission (30MHz ~ 25GHz)

Test Mode :	Mode 1	**Temperature :**	21~23°C
Test Channel :	36	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Horizontal
Remark :	5180 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	47.9	-26.1	74	43.97	34.02	5.98	36.07	100	57	Peak
5150	35.39	-18.61	54	31.46	34.02	5.98	36.07	100	57	Average
5180	88.4	-	-	84.41	34.05	6	36.06	100	57	Peak
5180	77.67	-	-	73.68	34.05	6	36.06	100	57	Average
5350	47.45	-26.55	74	43.21	34.18	6.09	36.03	100	57	Peak
5350	34.63	-19.37	54	30.39	34.18	6.09	36.03	100	57	Average

Test Mode :	Mode 1	**Temperature :**	21~23°C
Test Channel :	36	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Vertical
Remark :	5180 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	48.12	-25.88	74	44.19	34.02	5.98	36.07	100	345	Peak
5150	35.88	-18.12	54	31.95	34.02	5.98	36.07	100	345	Average
5180	92.79	-	-	88.82	34.03	6	36.06	100	345	Peak
5180	82.84	-	-	78.85	34.05	6	36.06	100	345	Average
5350	47.63	-26.37	74	43.39	34.18	6.09	36.03	100	345	Peak
5350	34.64	-19.36	54	30.4	34.18	6.09	36.03	100	345	Average

Test Mode :	Mode 2	**Temperature :**	21~23°C
Test Channel :	52	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Horizontal
Remark :	5260 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	47.06	-26.94	74	43.13	34.02	5.98	36.07	100	312	Peak
5150	35.24	-18.76	54	31.31	34.02	5.98	36.07	100	312	Average
5260	89.4	-	-	85.29	34.11	6.05	36.05	100	312	Peak
5260	79.14	-	-	75.03	34.11	6.05	36.05	100	312	Average
5350	47.49	-26.51	74	43.25	34.18	6.09	36.03	100	312	Peak
5350	34.91	-19.09	54	30.67	34.18	6.09	36.03	100	312	Average

Test Mode :	Mode 2	**Temperature :**	21~23°C
Test Channel :	52	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Vertical
Remark :	5260 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	48.21	-25.79	74	44.28	34.02	5.98	36.07	100	343	Peak
5150	35.82	-18.18	54	31.89	34.02	5.98	36.07	100	343	Average
5260	95.15	-	-	91.06	34.1	6.04	36.05	100	343	Peak
5260	84.94	-	-	80.83	34.11	6.05	36.05	100	343	Average
5350	47.8	-26.2	74	43.56	34.18	6.09	36.03	100	343	Peak
5350	34.64	-19.36	54	30.4	34.18	6.09	36.03	100	343	Average

Test Mode :	Mode 3	Temperature :	21~23°C
Test Channel :	64	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	5320 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	48.04	-25.96	74	44.11	34.02	5.98	36.07	100	31	Peak
5150	35.18	-18.82	54	31.25	34.02	5.98	36.07	100	31	Average
5320	88.09	-	-	83.89	34.15	6.08	36.03	100	31	Peak
5320	77.92	-	-	73.73	34.15	6.08	36.04	100	31	Average
5350	47.52	-26.48	74	43.28	34.18	6.09	36.03	100	31	Peak
5350	35.06	-18.94	54	30.82	34.18	6.09	36.03	100	31	Average

Test Mode :	Mode 3	**Temperature :**	21~23°C
Test Channel :	64	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Vertical
Remark :	5320 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	47.63	-26.37	74	43.7	34.02	5.98	36.07	114	20	Peak
5150	35.21	-18.79	54	31.28	34.02	5.98	36.07	114	20	Average
5320	95.32	-	-	91.12	34.15	6.08	36.03	114	20	Peak
5320	85.86	-	-	81.67	34.15	6.08	36.04	114	20	Average
5350	49.37	-24.63	74	45.13	34.18	6.09	36.03	114	20	Peak
5350	36.97	-17.03	54	32.73	34.18	6.09	36.03	114	20	Average

Test Mode :	Mode 4	**Temperature :**	21~23°C
Test Channel :	100	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Horizontal
Remark :	1. 5500 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.35	-20.95	68.3	42.93	34.27	6.16	36.01	100	1	Peak
5500	91.11	-	-	86.64	34.29	6.18	36	100	1	Peak
5500	81.24	-	-	76.75	34.3	6.19	36	100	1	Average
5725	47.27	-21.03	68.3	42.21	34.66	6.4	36	100	1	Peak

Test Mode :	Mode 4	**Temperature :**	21~23°C
Test Channel :	100	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Vertical
Remark :	1. 5500 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.38	-20.92	68.3	42.96	34.27	6.16	36.01	100	34	Peak
5500	93.16	-	-	88.69	34.29	6.18	36	100	34	Peak
5500	83	-	-	78.51	34.3	6.19	36	100	34	Average
5725	47.12	-21.18	68.3	42.06	34.66	6.4	36	100	34	Peak

Test Mode :	Mode 5	Temperature :	21~23°C
Test Channel :	120	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	1. 5600 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	46.87	-21.43	68.3	42.45	34.27	6.16	36.01	100	5	Peak
5600	90.29	-	-	85.57	34.44	6.28	36	100	5	Peak
5600	80.73	-	-	75.98	34.47	6.28	36	100	5	Average
5725	46.76	-21.54	68.3	41.7	34.66	6.4	36	100	5	Peak

Test Mode :	Mode 5	Temperature :	21~23°C
Test Channel :	120	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	1. 5600 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.53	-20.77	68.3	43.11	34.27	6.16	36.01	100	39	Peak
5600	93.24	-	-	88.54	34.44	6.26	36	100	39	Peak
5600	83.31	-	-	78.56	34.47	6.28	36	100	39	Average
5725	47.76	-20.54	68.3	42.7	34.66	6.4	36	100	39	Peak

Test Mode :	Mode 6	Temperature :	21~23°C
Test Channel :	140	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	1. 5700 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.04	-21.26	68.3	42.62	34.27	6.16	36.01	183	6	Peak
5700	89.13	-	-	84.13	34.63	6.37	36	183	6	Peak
5700	79.58	-	-	74.61	34.6	6.37	36	183	6	Average
5725	47.48	-20.82	68.3	42.42	34.66	6.4	36	183	6	Peak

Test Mode :	Mode 6	**Temperature :**	21~23°C
Test Channel :	140	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Vertical
Remark :	1. 5700 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.32	-20.98	68.3	42.9	34.27	6.16	36.01	100	16	Peak
5700	91.14	-	-	86.17	34.6	6.37	36	100	16	Peak
5700	81.16	-	-	76.19	34.6	6.37	36	100	16	Average
5725	48.09	-20.21	68.3	43.03	34.66	6.4	36	100	16	Peak

Test Mode :	Mode 7	Temperature :	21~23°C
Test Channel :	36	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	5180 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
159.33	33.19	-10.31	43.5	52.9	10.1	2.1	31.91	-	-	Peak
189.03	37.28	-6.22	43.5	58.24	8.74	2.33	32.03	100	82	Peak
265.98	38	-8	46	54.58	12.53	2.79	31.9	-	-	Peak
357.4	32	-14	46	45.78	14.6	3.34	31.72	-	-	Peak
666.8	30.25	-15.75	46	38.66	19.06	4.61	32.08	-	-	Peak
911.8	28.65	-17.35	46	34	20.78	5.48	31.61	-	-	Peak
5150	46.77	-27.23	74	42.84	34.02	5.98	36.07	100	300	Peak
5150	35.49	-18.51	54	31.56	34.02	5.98	36.07	100	300	Average
5180	91.41	-	-	87.44	34.03	6	36.06	100	300	Peak
5180	79.16	-	-	75.17	34.05	6	36.06	100	300	Average
5350	46.7	-27.3	74	42.46	34.18	6.09	36.03	100	300	Peak
5350	34.84	-19.16	54	30.6	34.18	6.09	36.03	100	300	Average
7188	52.18	-21.82	74	45.74	35.66	7.16	36.38	100	229	Peak
7188	39.92	-14.08	54	33.48	35.66	7.16	36.38	100	229	Average

Test Mode :	Mode 7	Temperature :	21~23°C
Test Channel :	36	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	518 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
45.39	33.14	-6.86	40	53.48	10.35	1.08	31.77	100	38	Peak
162.03	32.83	-10.67	43.5	52.62	10.01	2.12	31.92	-	-	Peak
168.24	34.32	-9.18	43.5	54.3	9.77	2.14	31.89	-	-	Peak
311.9	28.69	-17.31	46	44.21	13.43	3.08	32.03	-	-	Peak
624.8	32.99	-13.01	46	41.67	18.85	4.5	32.03	-	-	Peak
665.4	33.75	-12.25	46	42.14	19.06	4.61	32.06	-	-	Peak
5150	47.86	-26.14	74	43.93	34.02	5.98	36.07	100	48	Peak
5150	35.5	-18.5	54	31.57	34.02	5.98	36.07	100	48	Average
5180	92.48	-	-	88.49	34.05	6	36.06	100	48	Peak
5180	79.59	-	-	75.6	34.05	6	36.06	100	48	Average
5350	47.45	-26.55	74	43.21	34.18	6.09	36.03	100	48	Peak
5350	34.91	-19.09	54	30.67	34.18	6.09	36.03	100	48	Average
8958	52.92	-21.08	74	45.97	36.06	7.77	36.88	100	302	Peak
8958	40.67	-13.33	54	33.72	36.06	7.77	36.88	100	302	Average

Test Mode :	Mode 8	Temperature :	21~23°C
Test Channel :	44	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	1. 5220 MHz is Fundamental Signals which can be ignored. 2. 10440 MHz is not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
149.88	32.26	-11.24	43.5	51.63	10.3	2.01	31.68	-	-	Peak
183.63	36.04	-7.46	43.5	56.79	9.04	2.28	32.07	100	157	Peak
239.79	32.83	-13.17	46	51.11	10.95	2.63	31.86	-	-	Peak
300	28.4	-17.6	46	44.43	13.11	3.01	32.15	-	-	Peak
357.4	31	-15	46	44.78	14.6	3.34	31.72	-	-	Peak
651.4	30.21	-15.79	46	38.55	18.99	4.57	31.9	-	-	Peak
5150	48.51	-25.49	74	44.58	34.02	5.98	36.07	101	303	Peak
5150	35.66	-18.34	54	31.73	34.02	5.98	36.07	101	303	Average
5220	76.87	-	-	72.84	34.07	6.02	36.06	101	303	Average
5220	93.45	-	-	89.42	34.07	6.02	36.06	101	303	Peak
5350	47.48	-26.52	74	43.24	34.18	6.09	36.03	101	303	Peak
5350	35.03	-18.97	54	30.79	34.18	6.09	36.03	101	303	Average
8898	51.45	-22.55	74	44.61	36.02	7.68	36.86	100	114	Peak
8898	38.98	-15.02	54	32.14	36.02	7.68	36.86	100	114	Average
10440	35.07	-33.23	68.3	72.62	-9.07	8.28	36.76	100	0	Peak

Test Mode :	Mode 8	Temperature :	21~23°C
Test Channel :	44	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	1. 5220 MHz is Fundamental Signals which can be ignored. 2. 10440 MHz is not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
36.48	28.82	-11.18	40	45.01	14.65	0.93	31.77	-	-	Peak
51.33	30.98	-9.02	40	51.06	10.79	1.12	31.99	100	137	Peak
170.94	33.59	-9.91	43.5	53.64	9.71	2.15	31.91	-	-	Peak
600.3	30.84	-15.16	46	39.86	18.72	4.44	32.18	-	-	Peak
624.8	30.99	-15.01	46	39.67	18.85	4.5	32.03	-	-	Peak
651.4	31.44	-14.56	46	39.78	18.99	4.57	31.9	-	-	Peak
5150	35.64	-18.36	54	31.71	34.02	5.98	36.07	100	22	Average
5150	48.17	-25.83	74	44.24	34.02	5.98	36.07	100	22	Peak
5220	96.27	-	-	92.24	34.07	6.02	36.06	100	22	Peak
5220	79.04	-	-	75.01	34.07	6.02	36.06	100	22	Average
5350	46.77	-27.23	74	42.53	34.18	6.09	36.03	100	22	Peak
5350	34.95	-19.05	54	30.71	34.18	6.09	36.03	100	22	Average
8688	52.04	-21.96	74	45.54	35.85	7.42	36.77	100	207	Peak
8688	39.2	-14.8	54	32.7	35.85	7.42	36.77	100	207	Average
10440	35.27	-33.03	68.3	72.82	-9.07	8.28	36.76	100	0	Peak

Test Mode :	Mode 9	Temperature :	21~23°C
Test Channel :	48	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	1. 5240 MHz is Fundamental Signals which can be ignored. 2. 10480 MHz is not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
160.14	32.56	-10.94	43.5	52.3	10.08	2.11	31.93	-	-	Peak
184.44	35.5	-8	43.5	56.28	8.99	2.29	32.06	100	294	Peak
233.58	32.13	-13.87	46	51.26	10.23	2.59	31.95	-	-	Peak
312.6	28.03	-17.97	46	43.55	13.43	3.08	32.03	-	-	Peak
353.9	29.67	-16.33	46	43.56	14.5	3.32	31.71	-	-	Peak
666.8	29.48	-16.52	46	37.89	19.06	4.61	32.08	-	-	Peak
5150	47.98	-26.02	74	44.05	34.02	5.98	36.07	102	303	Peak
5150	35.4	-18.6	54	31.47	34.02	5.98	36.07	102	303	Average
5240	76.69	-	-	72.61	34.09	6.04	36.05	102	303	Average
5240	92.94	-	-	88.86	34.09	6.04	36.05	102	303	Peak
5350	47.67	-26.33	74	43.43	34.18	6.09	36.03	102	303	Peak
5350	34.97	-19.03	54	30.73	34.18	6.09	36.03	102	303	Average
8984	51.73	-22.27	74	44.73	36.09	7.8	36.89	100	48	Peak
8984	39.48	-14.52	54	32.48	36.09	7.8	36.89	100	48	Average
10480	36.09	-32.21	68.3	73.53	-9.02	8.3	36.72	100	0	Peak

Test Mode :	Mode 9	Temperature :	21~23°C
Test Channel :	48	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	1. 5240 MHz is Fundamental Signals which can be ignored. 2. 10480 MHz is not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
45.39	31.57	-8.43	40	51.91	10.35	1.08	31.77	100	195	Peak
156.09	32.76	-10.74	43.5	52.35	10.17	2.07	31.83	-	-	Peak
186.33	31.9	-11.6	43.5	52.76	8.89	2.3	32.05	-	-	Peak
624.8	31.28	-14.72	46	39.96	18.85	4.5	32.03	-	-	Peak
666.8	30.47	-15.53	46	38.88	19.06	4.61	32.08	-	-	Peak
764.8	30.7	-15.3	46	38.03	19.78	4.99	32.1	-	-	Peak
5150	35.57	-18.43	54	31.64	34.02	5.98	36.07	100	20	Average
5150	47.62	-26.38	74	43.69	34.02	5.98	36.07	100	20	Peak
5240	77.79	-	-	73.71	34.09	6.04	36.05	100	20	Average
5240	94.12	-	-	90.04	34.09	6.04	36.05	100	20	Peak
5350	34.91	-19.09	54	30.67	34.18	6.09	36.03	100	20	Average
5350	46.53	-27.47	74	42.29	34.18	6.09	36.03	100	20	Peak
8818	51.25	-22.75	74	44.54	35.95	7.59	36.83	100	19	Peak
8818	38.64	-15.36	54	31.93	35.95	7.59	36.83	100	19	Average
10480	34.95	-33.35	68.3	72.39	-9.02	8.3	36.72	100	0	Peak

Test Mode :	Mode 10	Temperature :	21~23°C
Test Channel :	52	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	1. 5260 MHz is Fundamental Signals which can be ignored. 2. 10520 MHz is not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
156.63	33.63	-9.87	43.5	53.25	10.15	2.08	31.85	-	-	Peak
182.28	36.67	-6.83	43.5	57.39	9.09	2.27	32.08	100	201	Peak
239.79	32.42	-13.58	46	50.7	10.95	2.63	31.86	-	-	Peak
311.9	29.65	-16.35	46	45.17	13.43	3.08	32.03	-	-	Peak
353.9	29.67	-16.33	46	43.56	14.5	3.32	31.71	-	-	Peak
666.8	31.48	-14.52	46	39.89	19.06	4.61	32.08	-	-	Peak
5150	47.16	-26.84	74	43.23	34.02	5.98	36.07	100	297	Peak
5150	35.42	-18.58	54	31.49	34.02	5.98	36.07	100	297	Average
5260	95.54	-	-	91.45	34.1	6.04	36.05	100	297	Peak
5260	83.24	-	-	79.13	34.11	6.05	36.05	100	297	Average
5350	46.44	-27.56	74	42.2	34.18	6.09	36.03	100	297	Peak
5350	35.03	-18.97	54	30.79	34.18	6.09	36.03	100	297	Average
7314	52.03	-21.97	74	45.62	35.64	7.2	36.43	100	206	Peak
7314	39.83	-14.17	54	33.42	35.64	7.2	36.43	100	206	Average
10520	35.44	-32.86	68.3	72.82	-9.02	8.34	36.7	100	0	Peak

Test Mode :	Mode 10	Temperature :	21~23°C
Test Channel :	52	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	1. 5260 MHz is Fundamental Signals which can be ignored. 2. 10520 MHz is not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
45.39	33.57	-6.43	40	53.91	10.35	1.08	31.77	100	109	Peak
156.09	32.76	-10.74	43.5	52.35	10.17	2.07	31.83	-	-	Peak
170.13	34.09	-9.41	43.5	54.1	9.74	2.14	31.89	-	-	Peak
624.8	33.28	-12.72	46	41.96	18.85	4.5	32.03	-	-	Peak
651.4	31.81	-14.19	46	40.15	18.99	4.57	31.9	-	-	Peak
666.8	32.47	-13.53	46	40.88	19.06	4.61	32.08	-	-	Peak
5150	49.09	-24.91	74	45.16	34.02	5.98	36.07	100	48	Peak
5150	36.29	-17.71	54	32.36	34.02	5.98	36.07	100	48	Average
5260	96.07	-	-	91.98	34.1	6.04	36.05	100	48	Peak
5260	83.64	-	-	79.53	34.11	6.05	36.05	100	48	Average
5350	47.29	-26.71	74	43.05	34.18	6.09	36.03	100	48	Peak
5350	35.7	-18.3	54	31.46	34.18	6.09	36.03	100	48	Average
8928	52.12	-21.88	74	45.25	36.03	7.71	36.87	100	172	Peak
8928	40.02	-13.98	54	33.15	36.03	7.71	36.87	100	172	Average
10520	38.76	-29.54	68.3	76.14	-9.02	8.34	36.7	100	0	Peak

Test Mode :	Mode 11	Temperature :	21~23°C
Test Channel :	60	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	5300 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
159.33	31.54	-11.96	43.5	51.25	10.1	2.1	31.91	-	-	Peak
189.84	36.26	-7.24	43.5	57.25	8.69	2.34	32.02	100	32	Peak
233.04	32.85	-13.15	46	52.11	10.11	2.59	31.96	-	-	Peak
311.9	31.91	-14.09	46	47.43	13.43	3.08	32.03	-	-	Peak
336.4	28.49	-17.51	46	43.03	14.05	3.22	31.81	-	-	Peak
651.4	28.7	-17.3	46	37.04	18.99	4.57	31.9	-	-	Peak
5150	47.65	-26.35	74	43.72	34.02	5.98	36.07	100	302	Peak
5150	35.15	-18.85	54	31.22	34.02	5.98	36.07	100	302	Average
5300	95.82	-	-	91.65	34.14	6.07	36.04	100	302	Peak
5300	78.66	-	-	74.49	34.14	6.07	36.04	100	302	Average
5350	35.19	-18.81	54	30.95	34.18	6.09	36.03	100	302	Average
5350	47.33	-26.67	74	43.09	34.18	6.09	36.03	100	302	Peak
8908	52.01	-21.99	74	45.14	36.02	7.71	36.86	100	82	Peak
8908	39.69	-14.31	54	32.82	36.02	7.71	36.86	100	82	Average
10600	37.27	-36.73	74	74.61	-9.1	8.41	36.65	100	0	Peak

Test Mode :	Mode 11	Temperature :	21~23°C
Test Channel :	60	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	5300 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
51.33	33.14	-6.86	40	53.22	10.79	1.12	31.99	100	237	Peak
172.29	34.18	-9.32	43.5	54.31	9.64	2.17	31.94	-	-	Peak
190.38	32.05	-11.45	43.5	53.04	8.69	2.34	32.02	-	-	Peak
600.3	31.14	-14.86	46	40.16	18.72	4.44	32.18	-	-	Peak
623.4	33.27	-12.73	46	41.97	18.84	4.5	32.04	-	-	Peak
651.4	29.73	-16.27	46	38.07	18.99	4.57	31.9	-	-	Peak
5150	35.26	-18.74	54	31.33	34.02	5.98	36.07	120	19	Average
5150	47.44	-26.56	74	43.51	34.02	5.98	36.07	120	19	Peak
5300	97.55	-	-	93.38	34.14	6.07	36.04	120	19	Peak
5300	81.34	-	-	77.17	34.14	6.07	36.04	120	19	Average
5350	47.94	-26.06	74	43.7	34.18	6.09	36.03	120	19	Peak
5350	35.78	-18.22	54	31.54	34.18	6.09	36.03	120	19	Average
8728	51.39	-22.61	74	44.81	35.89	7.48	36.79	100	294	Peak
8728	38.17	-15.83	54	31.59	35.89	7.48	36.79	100	294	Average
10600	39.31	-34.69	74	76.65	-9.1	8.41	36.65	100	0	Peak

Test Mode :	Mode 12	Temperature :	21~23°C
Test Channel :	64	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	5320 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
157.44	32.88	-10.62	43.5	52.5	10.15	2.08	31.85	-	-	Peak
189.84	37.26	-6.24	43.5	58.25	8.69	2.34	32.02	100	271	Peak
239.79	36.03	-9.97	46	54.31	10.95	2.63	31.86	-	-	Peak
311.9	29.91	-16.09	46	45.43	13.43	3.08	32.03	-	-	Peak
351.8	30.25	-15.75	46	44.19	14.45	3.31	31.7	-	-	Peak
666.8	30.12	-15.88	46	38.53	19.06	4.61	32.08	-	-	Peak
5150	46.82	-27.18	74	42.89	34.02	5.98	36.07	100	295	Peak
5150	35.23	-18.77	54	31.3	34.02	5.98	36.07	100	295	Average
5320	91.78	-	-	87.59	34.15	6.08	36.04	100	295	Peak
5320	79.66	-	-	75.47	34.15	6.08	36.04	100	295	Average
5350	47.17	-26.83	74	42.93	34.18	6.09	36.03	100	295	Peak
5350	35.06	-18.94	54	30.82	34.18	6.09	36.03	100	295	Average
7294	52.36	-21.64	74	45.95	35.64	7.19	36.42	100	241	Peak
7294	40.04	-13.96	54	33.63	35.64	7.19	36.42	100	241	Average

Test Mode :	Mode 12	Temperature :	21~23°C
Test Channel :	64	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	5320 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
45.39	33.3	-6.7	40	53.64	10.35	1.08	31.77	100	304	Peak
51.33	31.14	-8.86	40	51.22	10.79	1.12	31.99	-	-	Peak
172.29	34.18	-9.32	43.5	54.31	9.64	2.17	31.94	-	-	Peak
623.4	33.27	-12.73	46	41.97	18.84	4.5	32.04	-	-	Peak
651.4	32.73	-13.27	46	41.07	18.99	4.57	31.9	-	-	Peak
666.8	34.07	-11.93	46	42.48	19.06	4.61	32.08	-	-	Peak
5150	47.59	-26.41	74	43.66	34.02	5.98	36.07	100	23	Peak
5150	35.42	-18.58	54	31.49	34.02	5.98	36.07	100	23	Average
5320	91.92	-	-	87.73	34.15	6.08	36.04	100	23	Peak
5320	79.81	-	-	75.62	34.15	6.08	36.04	100	23	Average
5350	46.89	-27.11	74	42.65	34.18	6.09	36.03	100	23	Peak
5350	35.2	-18.8	54	30.96	34.18	6.09	36.03	100	23	Average
8968	52.42	-21.58	74	45.46	36.07	7.77	36.88	100	102	Peak
8968	40.14	-13.86	54	33.18	36.07	7.77	36.88	100	102	Average

Test Mode :	Mode 13	Temperature :	21~23°C
Test Channel :	100	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	1. 5500 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
156.63	32.6	-10.9	43.5	52.22	10.15	2.08	31.85	-	-	Peak
183.63	37.04	-6.46	43.5	57.79	9.04	2.28	32.07	100	217	Peak
265.71	38.4	-7.6	46	54.98	12.53	2.79	31.9	-	-	Peak
300	29.4	-16.6	46	45.43	13.11	3.01	32.15	-	-	Peak
353.9	31.47	-14.53	46	45.36	14.5	3.32	31.71	-	-	Peak
667.5	30.87	-15.13	46	39.28	19.07	4.61	32.09	-	-	Peak
5470	46.78	-21.52	68.3	42.36	34.27	6.16	36.01	100	40	Peak
5500	89.62	-	-	85.15	34.29	6.18	36	100	40	Peak
5500	76.77	-	-	72.28	34.3	6.19	36	100	40	Average
5725	47.37	-20.93	68.3	42.31	34.66	6.4	36	100	40	Peak
7378	52.01	-21.99	74	45.61	35.62	7.23	36.45	100	138	Peak
7378	39.67	-14.33	54	33.27	35.62	7.23	36.45	100	138	Average

Test Mode :	Mode 13	Temperature :	21~23°C
Test Channel :	100	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	1. 5500 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
45.66	33.57	-6.43	40	53.91	10.35	1.08	31.77	100	34	Peak
170.94	35.59	-7.91	43.5	55.64	9.71	2.15	31.91	-	-	Peak
186.33	33.8	-9.7	43.5	54.66	8.89	2.3	32.05	-	-	Peak
600.3	30.84	-15.16	46	39.86	18.72	4.44	32.18	-	-	Peak
624.1	34.85	-11.15	46	43.55	18.84	4.5	32.04	-	-	Peak
666.1	35.36	-10.64	46	43.77	19.06	4.61	32.08	-	-	Peak
5470	47.85	-20.45	68.3	43.43	34.27	6.16	36.01	100	31	Peak
5500	91.82	-	-	87.35	34.29	6.18	36	100	31	Peak
5500	79.11	-	-	74.62	34.3	6.19	36	100	31	Average
5725	47.42	-20.88	68.3	42.36	34.66	6.4	36	100	31	Peak
8834	51.93	-22.07	74	45.2	35.97	7.59	36.83	100	159	Peak
8834	39.88	-14.12	54	33.15	35.97	7.59	36.83	100	159	Average

Test Mode :	Mode 14	Temperature :	21~23°C
Test Channel :	120	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	1. 5600 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
159.33	34.73	-8.77	43.5	54.44	10.1	2.1	31.91	-	-	Peak
184.44	37.5	-6	43.5	58.28	8.99	2.29	32.06	100	75	Peak
239.79	35.42	-10.58	46	53.7	10.95	2.63	31.86	-	-	Peak
311.9	32.65	-13.35	46	48.17	13.43	3.08	32.03	-	-	Peak
353.9	30.67	-15.33	46	44.56	14.5	3.32	31.71	-	-	Peak
666.1	33.38	-12.62	46	41.79	19.06	4.61	32.08	-	-	Peak
5470	47.02	-21.28	68.3	42.6	34.27	6.16	36.01	100	303	Peak
5600	94.17	-	-	89.42	34.47	6.28	36	100	303	Peak
5600	81.02	-	-	76.27	34.47	6.28	36	100	303	Average
5725	47.18	-21.12	68.3	42.12	34.66	6.4	36	100	303	Peak
7684	52.89	-21.11	74	46.4	35.67	7.35	36.53	100	291	Peak
7684	40.78	-13.22	54	34.29	35.67	7.35	36.53	100	291	Average

Test Mode :	Mode 14	Temperature :	21~23°C
Test Channel :	120	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	1. 5600 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
45.12	33.53	-6.47	40	53.87	10.35	1.08	31.77	100	129	Peak
149.88	33.67	-9.83	43.5	53.04	10.3	2.01	31.68	-	-	Peak
170.94	35.61	-7.89	43.5	55.66	9.71	2.15	31.91	-	-	Peak
624.8	34.28	-11.72	46	42.96	18.85	4.5	32.03	-	-	Peak
651.4	34.81	-11.19	46	43.15	18.99	4.57	31.9	-	-	Peak
666.8	32.47	-13.53	46	40.88	19.06	4.61	32.08	-	-	Peak
5470	46.81	-21.49	68.3	42.39	34.27	6.16	36.01	100	42	Peak
5600	94.5	-	-	89.75	34.47	6.28	36	100	42	Peak
5600	81.65	-	-	76.9	34.47	6.28	36	100	42	Average
5725	47.94	-20.36	68.3	42.88	34.66	6.4	36	100	42	Peak
8818	52.25	-21.75	74	45.54	35.95	7.59	36.83	100	132	Peak
8818	39.9	-14.1	54	33.19	35.95	7.59	36.83	100	132	Average

Test Mode :	Mode 15	Temperature :	21~23°C
Test Channel :	140	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Horizontal
Remark :	1. 5700 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
159.33	34.54	-8.96	43.5	54.25	10.1	2.1	31.91	-	-	Peak
193.08	37.09	-6.41	43.5	58.23	8.55	2.36	32.05	100	139	Peak
239.79	35.03	-10.97	46	53.31	10.95	2.63	31.86	-	-	Peak
312.6	31.25	-14.75	46	46.77	13.43	3.08	32.03	-	-	Peak
353.9	31.96	-14.04	46	45.85	14.5	3.32	31.71	-	-	Peak
666.8	32.12	-13.88	46	40.53	19.06	4.61	32.08	-	-	Peak
5470	46.32	-21.98	68.3	41.9	34.27	6.16	36.01	100	328	Peak
5700	93.91	-	-	88.94	34.6	6.37	36	100	328	Peak
5700	80.36	-	-	75.39	34.6	6.37	36	100	328	Average
5725	47.77	-20.53	68.3	42.71	34.66	6.4	36	100	328	Peak
7354	52.51	-21.49	74	46.1	35.63	7.22	36.44	100	295	Peak
7354	40.44	-13.56	54	34.03	35.63	7.22	36.44	100	295	Average

Test Mode :	Mode 15	Temperature :	21~23°C
Test Channel :	140	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	1. 5700 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
45.12	32.44	-7.56	40	52.78	10.35	1.08	31.77	-	-	Peak
51.6	32.91	-7.09	40	52.99	10.79	1.12	31.99	100	181	Peak
171.21	36.15	-7.35	43.5	56.25	9.67	2.16	31.93	-	-	Peak
622	34.25	-11.75	46	42.97	18.83	4.5	32.05	-	-	Peak
650.7	34.19	-11.81	46	42.53	18.98	4.57	31.89	-	-	Peak
666.8	36.07	-9.93	46	44.48	19.06	4.61	32.08	-	-	Peak
5470	47.02	-21.28	68.3	42.6	34.27	6.16	36.01	100	173	Peak
5700	96.95	-	-	91.98	34.6	6.37	36	100	173	Peak
5700	83.95	-	-	78.98	34.6	6.37	36	100	173	Average
5725	48.99	-19.31	68.3	43.93	34.66	6.4	36	100	173	Peak
8728	52.39	-21.61	74	45.81	35.89	7.48	36.79	100	58	Peak
8728	40.06	-13.94	54	33.48	35.89	7.48	36.79	100	58	Average

Test Mode :	Mode 16	**Temperature :**	21~23°C
Test Channel :	38	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Horizontal
Remark :	5190 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	47.76	-26.24	74	43.83	34.02	5.98	36.07	100	348	Peak
5150	35.58	-18.42	54	31.65	34.02	5.98	36.07	100	348	Average
5190	88.87	-	-	84.88	34.05	6	36.06	100	348	Peak
5190	75.56	-	-	71.56	34.05	6.01	36.06	100	348	Average
5350	47.81	-26.19	74	43.57	34.18	6.09	36.03	100	348	Peak
5350	34.84	-19.16	54	30.6	34.18	6.09	36.03	100	348	Average

Test Mode :	Mode 16	**Temperature :**	21~23°C
Test Channel :	38	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Vertical
Remark :	5190 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	48.31	-25.69	74	44.38	34.02	5.98	36.07	100	343	Peak
5150	35.91	-18.09	54	31.98	34.02	5.98	36.07	100	343	Average
5190	89.92	-	-	85.91	34.06	6.01	36.06	100	343	Peak
5190	76.58	-	-	72.58	34.05	6.01	36.06	100	343	Average
5350	47.59	-26.41	74	43.35	34.18	6.09	36.03	100	343	Peak
5350	35.8	-18.2	54	31.56	34.18	6.09	36.03	100	343	Average

Test Mode :	Mode 17	**Temperature :**	21~23°C
Test Channel :	54	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Horizontal
Remark :	5270 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	46.73	-27.27	74	42.8	34.02	5.98	36.07	100	29	Peak
5150	35.14	-18.86	54	31.21	34.02	5.98	36.07	100	29	Average
5270	91.71	-	-	87.62	34.1	6.04	36.05	100	29	Peak
5270	78.37	-	-	74.26	34.11	6.05	36.05	100	29	Average
5350	46.92	-27.08	74	42.68	34.18	6.09	36.03	100	29	Peak
5350	35.17	-18.83	54	30.93	34.18	6.09	36.03	100	29	Average

Test Mode :	Mode 17	**Temperature :**	21~23°C
Test Channel :	54	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Vertical
Remark :	5270 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	48.07	-25.93	74	44.14	34.02	5.98	36.07	100	15	Peak
5150	35.17	-18.83	54	31.24	34.02	5.98	36.07	100	15	Average
5270	93.58	-	-	89.49	34.1	6.04	36.05	100	15	Peak
5270	79.96	-	-	75.85	34.11	6.05	36.05	100	15	Average
5350	47.65	-26.35	74	43.41	34.18	6.09	36.03	100	15	Peak
5350	35.97	-18.03	54	31.73	34.18	6.09	36.03	100	15	Average

Test Mode :	Mode 18	**Temperature :**	21~23°C
Test Channel :	62	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Horizontal
Remark :	5310 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	47.82	-26.18	74	43.89	34.02	5.98	36.07	100	43	Peak
5150	35.15	-18.85	54	31.22	34.02	5.98	36.07	100	43	Average
5310	86.8	-	-	82.61	34.15	6.08	36.04	100	43	Peak
5310	73.49	-	-	69.3	34.15	6.08	36.04	100	43	Average
5350	47.73	-26.27	74	43.49	34.18	6.09	36.03	100	43	Peak
5350	35.2	-18.8	54	30.96	34.18	6.09	36.03	100	43	Average

Test Mode :	Mode 18	**Temperature :**	21~23°C
Test Channel :	62	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Vertical
Remark :	5310 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150	46.95	-27.05	74	43.02	34.02	5.98	36.07	100	19	Peak
5150	35.19	-18.81	54	31.26	34.02	5.98	36.07	100	19	Average
5310	89.36	-	-	85.16	34.15	6.08	36.03	100	19	Peak
5310	76.44	-	-	72.25	34.15	6.08	36.04	100	19	Average
5350	47.94	-26.06	74	43.7	34.18	6.09	36.03	100	19	Peak
5350	36.14	-17.86	54	31.9	34.18	6.09	36.03	100	19	Average

Test Mode :	Mode 19	**Temperature :**	21~23°C
Test Channel :	102	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Horizontal
Remark :	1. 5510 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within in restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	45.85	-22.45	68.3	41.43	34.27	6.16	36.01	100	45	Peak
5510	87.12	-	-	82.65	34.29	6.18	36	100	45	Peak
5510	74.54	-	-	70.05	34.3	6.19	36	100	45	Average
5725	46.73	-21.57	68.3	41.67	34.66	6.4	36	100	45	Peak

Test Mode :	Mode 19	Temperature :	21~23°C
Test Channel :	102	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	1. 5510 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within in restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.59	-20.71	68.3	43.17	34.27	6.16	36.01	100	17	Peak
5510	88.36	-	-	83.84	34.33	6.19	36	100	17	Peak
5510	75.48	-	-	70.99	34.3	6.19	36	100	17	Average
5725	48.23	-20.07	68.3	43.17	34.66	6.4	36	100	17	Peak

Test Mode :	Mode 20	**Temperature :**	21~23°C
Test Channel :	118	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Horizontal
Remark :	1. 5290 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	46.71	-21.59	68.3	42.29	34.27	6.16	36.01	100	4	Peak
5590	88.42	-	-	83.67	34.47	6.28	36	100	4	Peak
5590	76.35	-	-	71.65	34.44	6.26	36	100	4	Average
5725	47.72	-20.58	68.3	42.66	34.66	6.4	36	100	4	Peak

Test Mode :	Mode 20	**Temperature :**	21~23°C
Test Channel :	118	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Vertical
Remark :	1. 5590 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	48.31	-19.99	68.3	43.89	34.27	6.16	36.01	100	15	Peak
5590	92.9	-	-	88.23	34.41	6.26	36	100	15	Peak
5590	80.31	-	-	75.61	34.44	6.26	36	100	15	Average
5725	49.03	-19.27	68.3	43.97	34.66	6.4	36	100	15	Peak

Test Mode :	Mode 21	**Temperature :**	21~23°C
Test Channel :	134	**Relative Humidity :**	48~50%
Test Engineer :	Elvis Chen and Kay Wu	**Polarization :**	Horizontal
Remark :	1. 5670 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	45.56	-22.74	68.3	41.14	34.27	6.16	36.01	100	324	Peak
5670	91.12	-	-	86.24	34.55	6.33	36	100	324	Peak
5670	78.72	-	-	73.79	34.58	6.35	36	100	324	Average
5725	47.33	-20.97	68.3	42.27	34.66	6.4	36	100	324	Peak

Test Mode :	Mode 21	Temperature :	21~23°C
Test Channel :	134	Relative Humidity :	48~50%
Test Engineer :	Elvis Chen and Kay Wu	Polarization :	Vertical
Remark :	1. 5670 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470	47.79	-20.51	68.3	43.37	34.27	6.16	36.01	100	13	Peak
5670	94.84	-	-	89.91	34.58	6.35	36	100	13	Peak
5670	81.74	-	-	76.81	34.58	6.35	36	100	13	Average
5725	48.58	-19.72	68.3	43.52	34.66	6.4	36	100	13	Peak

3.4 Antenna Requirements

3.4.1 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.

3.4.2 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.

3.4.3 Antenna Gain

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

4 List of Measuring Equipments

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMI Test Receive	R&S	ESCS 30	100356	9KHz – 2.75GHz	Aug. 05, 2009	Aug. 04, 2010	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100081	9kHz~30MHz	Nov. 30, 2009	Nov. 29, 2010	Conduction (CO05-HY)
Two-LISN	R&S	ENV216	11-100080	9kHz~30MHz	Nov. 23, 2009	Nov. 22, 2010	Conduction (CO05-HY)
AC Power Source	APC	APC-1000W	N/A	N/A	N/A	N/A	Conduction (CO05-HY)
Spectrum Analyzer	Agilent	E4408B	MY44211030	9KHz-26.5GHz	Oct. 23, 2009	Oct. 22, 2010	Radiation (03CH06-HY)
Spectrum Analyzer	R&S	FSP40	100057	9KHz-40GHz	Oct. 20, 2009	Oct. 19, 2010	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESVS10	834468/003	20MHz-1000MHz	Apr. 28, 2009	Apr. 27, 2010	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Oct. 31, 2009	Oct. 30, 2010	Radiation (03CH06-HY)
Double Ridge Horn Antenna	EMCO	3117	00066583	1GHz~18GHz	Aug. 20, 2009	Aug. 19, 2010	Radiation (03CH06-HY)
Double Ridge Horn Antenna	Training Research	AH-0801	95119	8GHz~18GHz	Nov. 02, 2009	Nov. 01, 2010	Radiation (03CH06-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	15GHz- 40GHz	Oct. 14, 2009	Oct. 13, 2010	Radiation (03CH06-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1GHz- 26.5GHz	Nov. 11, 2009	Nov. 10, 2010	Radiation (03CH06-HY)
Amplifier	Agilent	310N	186713	9KHz~1GHz	Apr. 20, 2009	Apr. 19, 2010	Radiation (03CH06-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9KHz~30MHz	May 22, 2008	May 21, 2010	Radiation (03CH06-HY)
System Simulator	R&S	CMU200	105934	N/A	Nov. 11, 2008	Nov. 10, 2010	-

5 Uncertainty of Evaluation

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

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

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

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

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

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

Appendix A. Photographs of EUT

Please refer to Sporton report number EP980406-03 as below.