



Partial FCC Test Report

APPLICANT : Getac Technology Corporation
EQUIPMENT : Notebook PC
BRAND NAME : Getac
MODEL NAME : B300
FCC ID : QYL3X02
STANDARD : FCC Part 15 Subpart E
CLASSIFICATION : Unlicensed National Information Infrastructure (UNII)

This is a partial report which is only valid combined with the Integrated WLAN Module (Brand name: Intel / Model name: 633ANHMW, FCC ID: PD9633ANH) Report.

The product was received on May 25, 2010 and completely tested on Jun. 16, 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:

Anderson Chiu

Anderson Chiu / Deputy Manager



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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	$\leq -17, -27$ 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 3.7 dB at 23.998 MHz
3.3	15.407(b)	A9.3	Transmitter Radiated Emission	$\leq -17, -27$ dBm (depend on band)&15.209(a)	Pass	Under limit 3.34 dB at 60.78 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	QYL3X02
Tx/Rx Frequency Range	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz
Maximum Output Power to Antenna	<5150 MHz ~ 5250 MHz> 802.11a : 15.97 dBm / 39.54 mW 802.11n (BW 20MHz) : 15.97 dBm / 39.54 mW 802.11n (BW 40MHz) : 16.07 dBm / 40.46 mW <5250 MHz ~ 5350 MHz> 802.11a : 15.83 dBm / 38.28 mW 802.11n (BW 20MHz) : 16.04 dBm / 40.18 mW 802.11n (BW 40MHz) : 16.13 dBm / 41.02 mW <5470 MHz ~ 5725 MHz> 802.11a : 16.15 dBm / 41.21 mW 802.11n (BW 20MHz) : 16.04 dBm / 40.18 mW 802.11n (BW 40MHz) : 16.09 dBm / 40.64 mW
Antenna Type	PIFA Antenna with gain -0.3 dBi
HW Version	ROA
SW Version	RO.05.070520G
Type of Modulation	OFDM (BPSK / QPSK / 16QAM / 64QAM)
EUT Stage	Identical Prototype

Remark:

- For other wireless features of this EUT, test report will be issued separately.
- This test report recorded only product characteristics and test results of Unlicensed National Information Infrastructure (UNII).
- 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 1 st 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	03CH05-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.	GPS Station	T&E	GS-50	N/A	N/A	Unshielded, 1.8 m
2.	WLAN AP	D-Link	DIR-628	KA2DIR628A2	N/A	Unshielded, 1.8 m
3.	Notebook	DELL	Vostro 1510	FCC DoC	N/A	AC I/P: Unshielded, 1.2 m DC O/P: Shielded, 1.8 m
4.	Bluetooth Earphone	Nokia	BH-102	PYAHS-107W	N/A	N/A
5.	Earphone	Ergotech	ET-E200	FCC DoC	Unshielded, 1.8 m	N/A
6.	LCD Monitor	Acer	H223HQ	FCC DoC	N/A	Unshielded, 1.8 m
7.	iPod	Apple	A1285	FCC DoC	Shielded, 1.0 m	N/A
8.	Modem	ACEEX	DM1414	IFAXDM1414	Shielded, 1.15 m	N/A
9.	Mouse	State	MS-303	FCC DoC	Shielded, 1.3 m	N/A
10.	Exchange	Sun Moon Star	SMS-4 PLUS	95180108	Shielded, 1.6 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 RF Power

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

Channel	Frequency (MHz)	802.11a RF Power (dBm)		
		Data Rate: 6Mbps		
		Chain A	Chain B	Chain C
CH 36	5180 MHz	15.70	15.82	15.89
CH 48	5240 MHz	15.97	15.74	15.77
CH 52	5260 MHz	15.71	15.83	15.81
CH 64	5320 MHz	15.78	15.70	15.82
CH 100	5500 MHz	16.15	15.87	15.75
CH 120	5600 MHz	15.79	15.78	15.76
CH 140	5700 MHz	15.89	15.80	15.75

Channel	Frequency (MHz)	802.11n (BW 20MHz) RF Power (dBm)		
		Data Rate: HT0		
		SISO		
		Chain A	Chain B	Chain C
CH 36	5180 MHz	15.71	15.97	15.97
CH 48	5240 MHz	15.79	15.73	15.84
CH 52	5260 MHz	16.04	15.89	15.83
CH 64	5320 MHz	15.98	15.74	15.86
CH 100	5500 MHz	15.86	16.04	15.95
CH 120	5600 MHz	15.91	15.84	15.91
CH 140	5700 MHz	15.96	15.78	15.84

Channel	Frequency (MHz)	802.11n (BW 20MHz) RF Power (dBm)			
		Data Rate: HT8			Data Rate: HT16
		2Tx			3Tx
		Chain A+B	Chain A+C	Chain B+C	Chain A+B+C
CH 36	5180 MHz	15.87	15.93	15.78	15.86
CH 48	5240 MHz	15.80	15.92	15.72	15.79
CH 52	5260 MHz	15.84	15.88	15.85	15.77
CH 64	5320 MHz	15.97	15.82	15.85	15.86
CH 100	5500 MHz	15.84	15.77	15.88	15.93
CH 120	5600 MHz	15.98	15.90	16.00	15.90
CH 140	5700 MHz	15.82	15.91	15.94	15.82

Channel	Frequency (MHz)	802.11n (BW 40MHz) RF Power (dBm)		
		Data Rate: HT0		
		SISO		
		Chain A	Chain B	Chain C
CH 38	5190 MHz	15.92	15.74	16.07
CH 46	5230 MHz	16.04	15.77	15.82
CH 54	5270 MHz	15.90	15.76	16.13
CH 62	5310 MHz	15.82	15.72	15.83
CH 102	5510 MHz	15.97	15.98	16.09
CH 118	5590 MHz	16.02	15.97	16.06
CH 134	5670 MHz	15.97	16.01	16.00

Channel	Frequency (MHz)	802.11n (BW 40MHz) RF Power (dBm)			
		Data Rate: HT8			Data Rate: HT16
		2Tx			3Tx
		Chain A+B	Chain A+C	Chain B+C	Chain A+B+C
CH 38	5190 MHz	16.02	15.84	15.86	15.87
CH 46	5230 MHz	15.94	15.90	15.89	15.92
CH 54	5270 MHz	15.80	15.66	15.77	15.90
CH 62	5310 MHz	15.85	15.85	15.93	15.99
CH 102	5510 MHz	15.87	15.93	15.85	15.89
CH 118	5590 MHz	15.81	15.88	15.93	15.88
CH 134	5670 MHz	15.88	15.93	15.92	15.86

Remark:

1. The EUT is programmed to transmit signals continuously for all testing.
2. SISO stands for single input and single output. It means that only one chain transmits signals at a time.
3. 2Tx is one type of MIMO, which means that two chains transmit signals at the same time, and 3Tx is another type of MIMO, it means three chains transmit signals at the same time.



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).

The following table is showing the total pre-scanned test modes, and the worst modes are recorded in this report only.

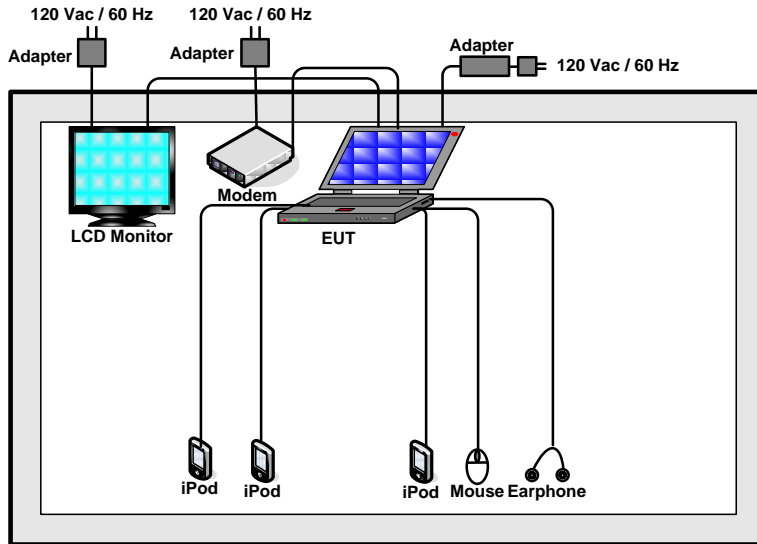
Test Cases	
Test Item	802.11a/n (Modulation : OFDM)
Radiated TCs	<ul style="list-style-type: none"> ■ Mode 1: 802.11a_CH36_5180 MHz ■ Mode 2: 802.11a_CH44_5220 MHz ■ Mode 3: 802.11a_CH48_5240 MHz ■ Mode 4: 802.11a_CH52_5260 MHz ■ Mode 5: 802.11a_CH60_5300 MHz ■ Mode 6: 802.11a_CH64_5320 MHz ■ Mode 7: 802.11a_CH100_5500 MHz ■ Mode 8: 802.11a_CH120_5600 MHz ■ Mode 9: 802.11a_CH140_5700 MHz ■ Mode 10: 802.11n_CH36_5180 MHz (BW 20M) ■ Mode 11: 802.11n_CH44_5220 MHz (BW 20M) ■ Mode 12: 802.11n_CH48_5240 MHz (BW 20M) ■ Mode 13: 802.11n_CH52_5260 MHz (BW 20M) ■ Mode 14: 802.11n_CH60_5300 MHz (BW 20M) ■ Mode 15: 802.11n_CH64_5320 MHz (BW 20M) ■ Mode 16: 802.11n_CH100_5500 MHz (BW 20M) ■ Mode 17: 802.11n_CH120_5600 MHz (BW 20M) ■ Mode 18: 802.11n_CH140_5700 MHz (BW 20M) ■ Mode 19: 802.11n_CH38_5190 MHz (BW 40M) ■ Mode 20: 802.11n_CH46_5230 MHz (BW 40M) ■ Mode 21: 802.11n_CH54_5270 MHz (BW 40M) ■ Mode 22: 802.11n_CH62_5310 MHz (BW 40M) ■ Mode 23: 802.11n_CH102_5510 MHz (BW 40M) ■ Mode 24: 802.11n_CH118_5590 MHz (BW 40M) ■ Mode 25: 802.11n_CH134_5670 MHz (BW 40M)



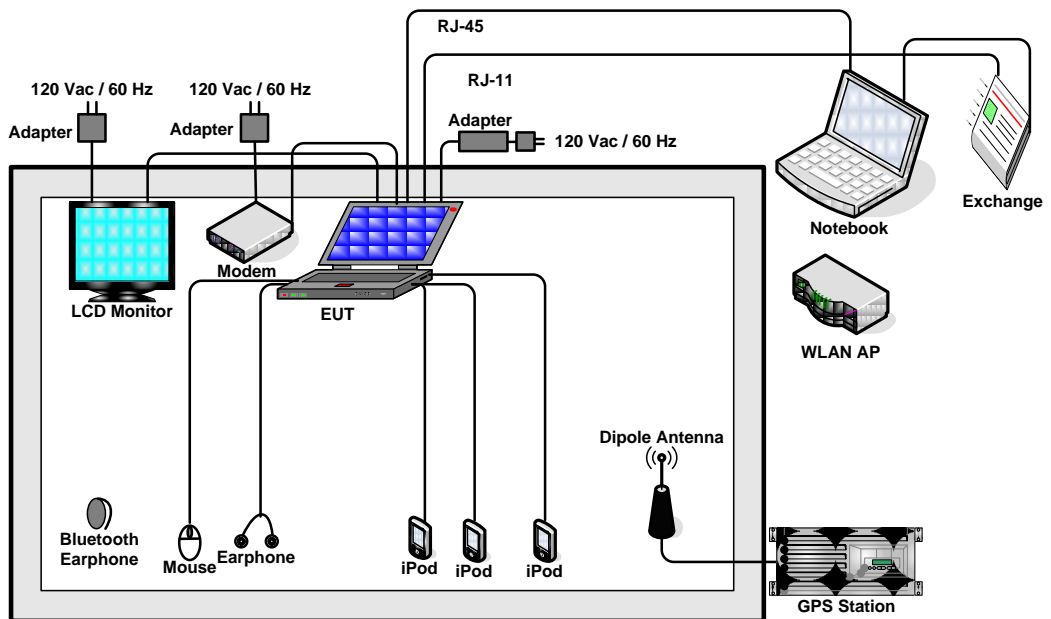
Test Cases	
AC Conducted Emission	WLAN Link + Bluetooth Link + TC + Adapter 1
Remark: <ol style="list-style-type: none">1. TC stands for Test Configuration, and consists of GPS Rx, LCD monitor, modem, i-Pod, mouse, earphone, RJ-45, and RJ-11.2. Mode 1~18 of radiated emission only verify bandedge.3. Only the radiated emission and conducted emission tests were performed in this report and the conducted test cases can be referred to the WLAN module (Brand name: Intel / Model name: 633ANHMW, FCC ID: PD9633ANH, AEGIS Report Number: INTEL-090527F) report.	

2.4 Connection Diagram of Test System

<WLAN Tx Mode>



<EUT with TC Mode>





2.5 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.

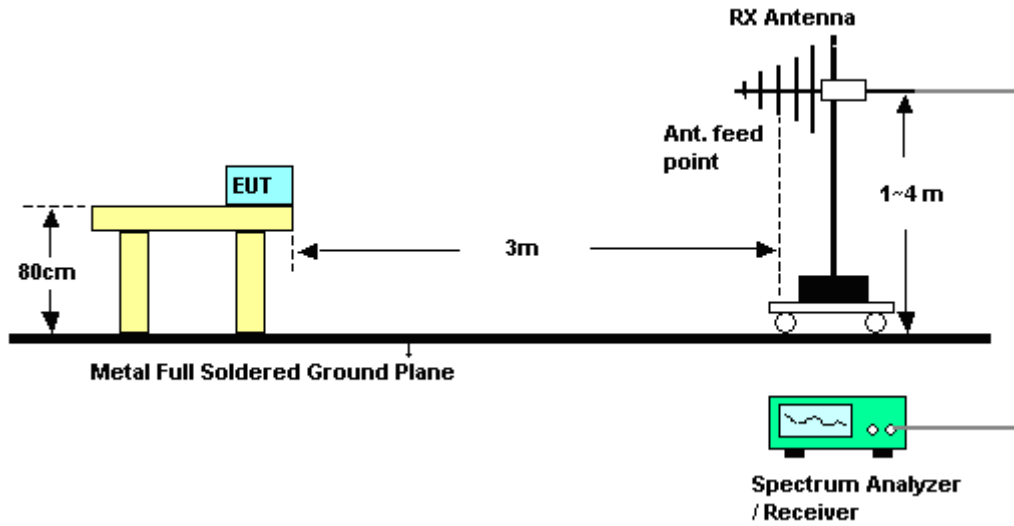
3.1.2 Measuring Instruments

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





3.1.5 Test Result of Radiated Band Edges

Test Mode :	Mode 1	Temperature :	23~24°C
Test Band :	802.11a	Relative Humidity :	47~50%
Test Channel :	36	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.14	-26.86	74.00	42.49	34.02	36.07	6.70	100	38	Peak
5150.00	35.84	-18.16	54.00	31.19	34.02	36.07	6.70	100	38	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.81	-26.19	74.00	43.16	34.02	36.07	6.70	143	28	Peak
5150.00	35.85	-18.15	54.00	31.20	34.02	36.07	6.70	143	28	Average

Test Mode :	Mode 6	Temperature :	23~24°C
Test Band :	802.11a	Relative Humidity :	47~50%
Test Channel :	64	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350.00	48.71	-25.29	74.00	43.76	34.18	36.03	6.80	152	5	Peak
5350.00	35.87	-18.13	54.00	30.92	34.18	36.03	6.80	152	5	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350.00	47.40	-26.60	74.00	42.45	34.18	36.03	6.80	100	33	Peak
5350.00	36.05	-17.95	54.00	31.10	34.18	36.03	6.80	100	33	Average



Test Mode :	Mode 7	Temperature :	23~24°C
Test Band :	802.11a	Relative Humidity :	47~50%
Test Channel :	100	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	48.02	-40.28	88.30	42.89	34.27	36.01	6.87	107	337	Peak
5470.00	36.30	-32.00	68.30	31.17	34.27	36.01	6.87	107	337	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	49.48	-38.82	88.30	44.35	34.27	36.01	6.87	128	48	Peak
5470.00	36.66	-31.64	68.30	31.53	34.27	36.01	6.87	128	48	Average

Test Mode :	Mode 9	Temperature :	23~24°C
Test Band :	802.11a	Relative Humidity :	47~50%
Test Channel :	140	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.00	51.16	-37.14	88.30	45.94	34.21	36.00	7.01	100	43	Peak
5725.00	36.43	-31.87	68.30	31.21	34.21	36.00	7.01	100	43	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.00	56.33	-31.97	88.30	51.11	34.21	36.00	7.01	101	35	Peak
5725.00	37.10	-31.20	68.30	31.88	34.21	36.00	7.01	101	35	Average



Test Mode :	Mode 10	Temperature :	23~24°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	47~50%
Test Channel :	36	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.93	-26.07	74.00	43.28	34.02	36.07	6.70	100	324	Peak
5150.00	36.11	-17.89	54.00	31.46	34.02	36.07	6.70	100	324	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	52.43	-21.57	74.00	47.78	34.02	36.07	6.70	115	4	Peak
5150.00	37.38	-16.62	54.00	32.73	34.02	36.07	6.70	115	4	Average

Test Mode :	Mode 15	Temperature :	23~24°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	47~50%
Test Channel :	64	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350.00	48.01	-25.99	74.00	43.06	34.18	36.03	6.80	102	298	Peak
5350.00	35.92	-18.08	54.00	30.97	34.18	36.03	6.80	102	298	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350.00	49.26	-24.74	74.00	44.31	34.18	36.03	6.80	100	13	Peak
5350.00	36.99	-17.01	54.00	32.04	34.18	36.03	6.80	100	13	Average



Test Mode :	Mode 16	Temperature :	23~24°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	47~50%
Test Channel :	100	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	48.07	-40.23	88.30	42.94	34.27	36.01	6.87	100	292	Peak
5470.00	35.91	-32.39	68.30	30.78	34.27	36.01	6.87	100	292	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	47.79	-40.51	88.30	42.66	34.27	36.01	6.87	122	344	Peak
5470.00	36.37	-31.93	68.30	31.24	34.27	36.01	6.87	122	344	Average

Test Mode :	Mode 18	Temperature :	23~24°C
Test Band :	802.11n (BW 20MHz)	Relative Humidity :	47~50%
Test Channel :	140	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.00	50.94	-37.36	88.30	45.72	34.21	36.00	7.01	100	12	Peak
5725.00	37.91	-30.39	68.30	32.69	34.21	36.00	7.01	100	12	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.00	58.14	-30.16	88.30	52.92	34.21	36.00	7.01	159	189	Peak
5725.00	40.88	-27.42	68.30	35.66	34.21	36.00	7.01	159	189	Average



Test Mode :	Mode 19	Temperature :	23~24°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	47~50%
Test Channel :	38	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	59.11	-14.89	74.00	54.46	34.02	36.07	6.70	112	307	Peak
5150.00	45.58	-8.42	54.00	40.93	34.02	36.07	6.70	112	307	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	59.37	-14.63	74.00	54.72	34.02	36.07	6.70	164	298	Peak
5150.00	46.45	-7.55	54.00	41.80	34.02	36.07	6.70	164	298	Average

Test Mode :	Mode 22	Temperature :	23~24°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	47~50%
Test Channel :	62	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350.00	60.98	-13.02	74.00	56.03	34.18	36.03	6.80	102	301	Peak
5350.00	48.20	-5.80	54.00	43.25	34.18	36.03	6.80	102	301	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350.00	59.41	-14.59	74.00	54.46	34.18	36.03	6.80	121	328	Peak
5350.00	48.71	-5.29	54.00	43.76	34.18	36.03	6.80	121	328	Average



Test Mode :	Mode 23	Temperature :	23~24°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	47~50%
Test Channel :	102	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	64.83	-23.47	88.30	59.70	34.27	36.01	6.87	100	293	Peak
5470.00	50.18	-18.12	68.30	45.05	34.27	36.01	6.87	100	293	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	65.16	-23.14	88.30	60.03	34.27	36.01	6.87	121	309	Peak
5470.00	51.71	-16.59	68.30	46.58	34.27	36.01	6.87	121	309	Average

Test Mode :	Mode 25	Temperature :	23~24°C
Test Band :	802.11n (BW 40MHz)	Relative Humidity :	47~50%
Test Channel :	134	Test Engineer :	Cona Huang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.00	48.25	-40.05	88.30	43.03	34.21	36.00	7.01	108	288	Peak
5725.00	37.17	-31.13	68.30	31.95	34.21	36.00	7.01	108	288	Average

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725.00	49.79	-38.51	88.30	44.57	34.21	36.00	7.01	127	307	Peak
5725.00	37.35	-30.95	68.30	32.13	34.21	36.00	7.01	127	307	Average

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.

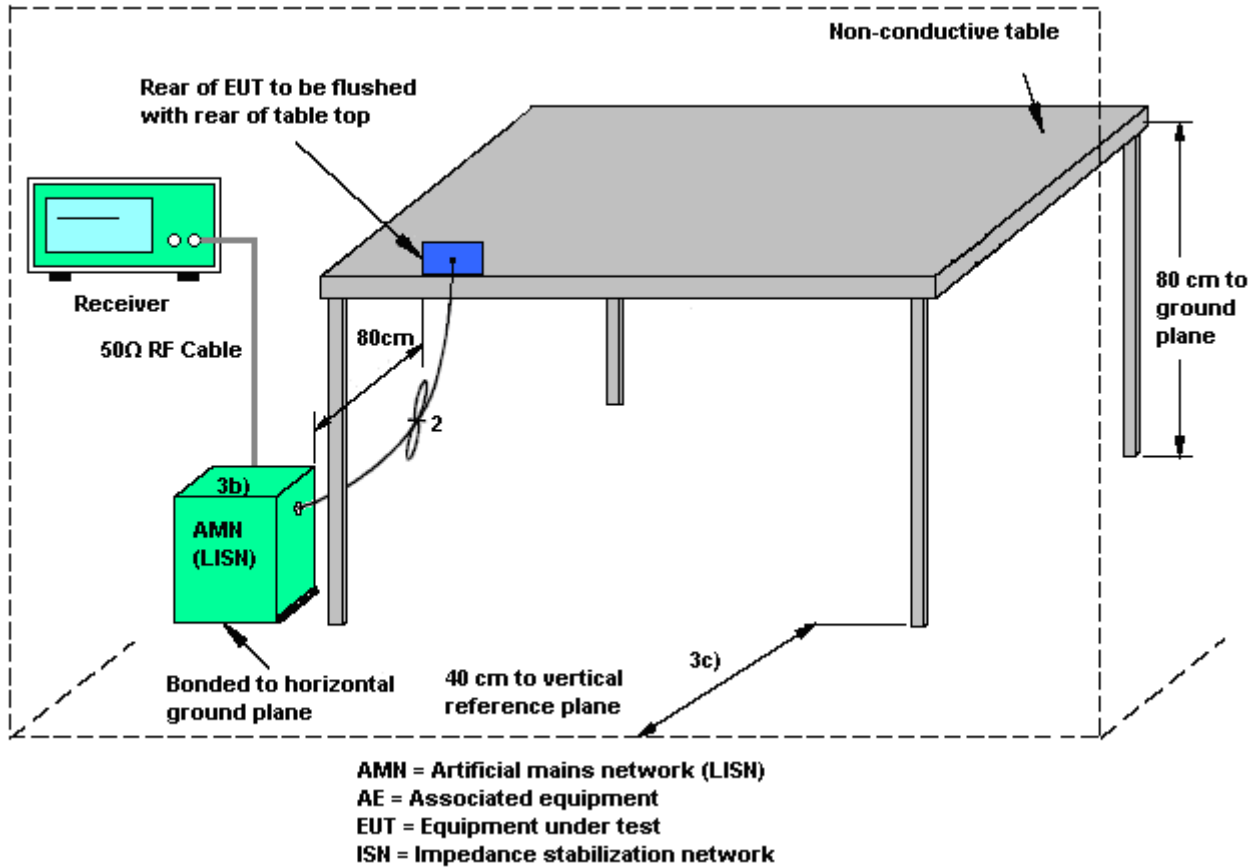
3.2.2 Measuring Instruments

See list of measuring instruments of this test report.

3.2.3 Test Procedures

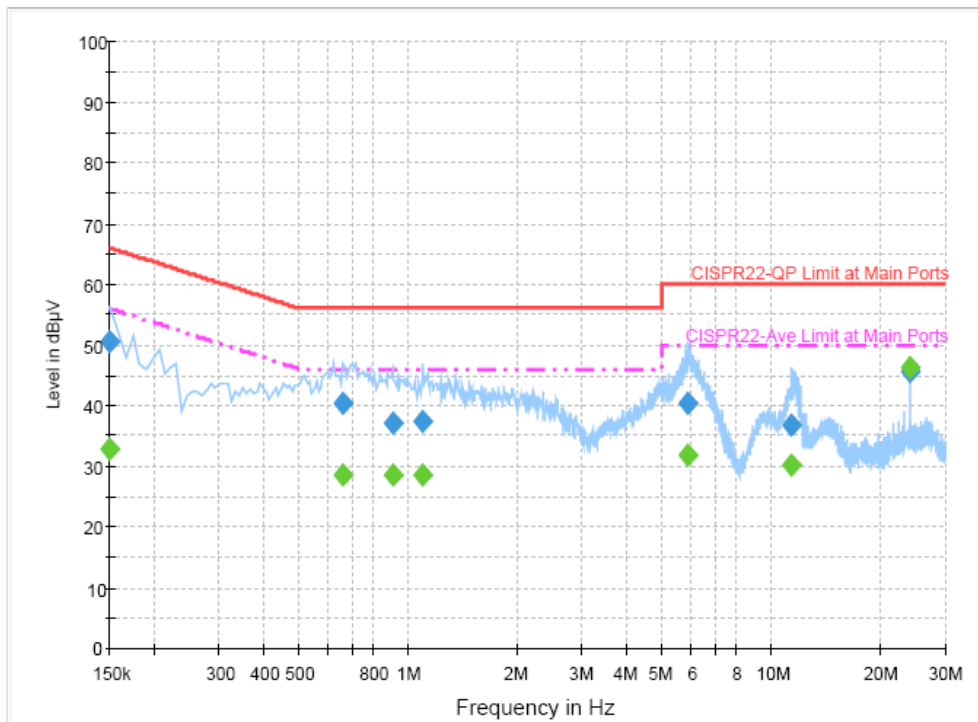
1. Please follow the guidelines in ANSI C63.4-2003.
2. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
3. Connect EUT to the power mains through a line impedance stabilization network (LISN).
4. All 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



3.2.5 Test Result of AC Conducted Emission

Test Mode :	Mode 1	Temperature :	20~22°C
Test Engineer :	Novic Jiang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Function Type :	WLAN Link + Bluetooth Link + TC + Adapter 1		
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



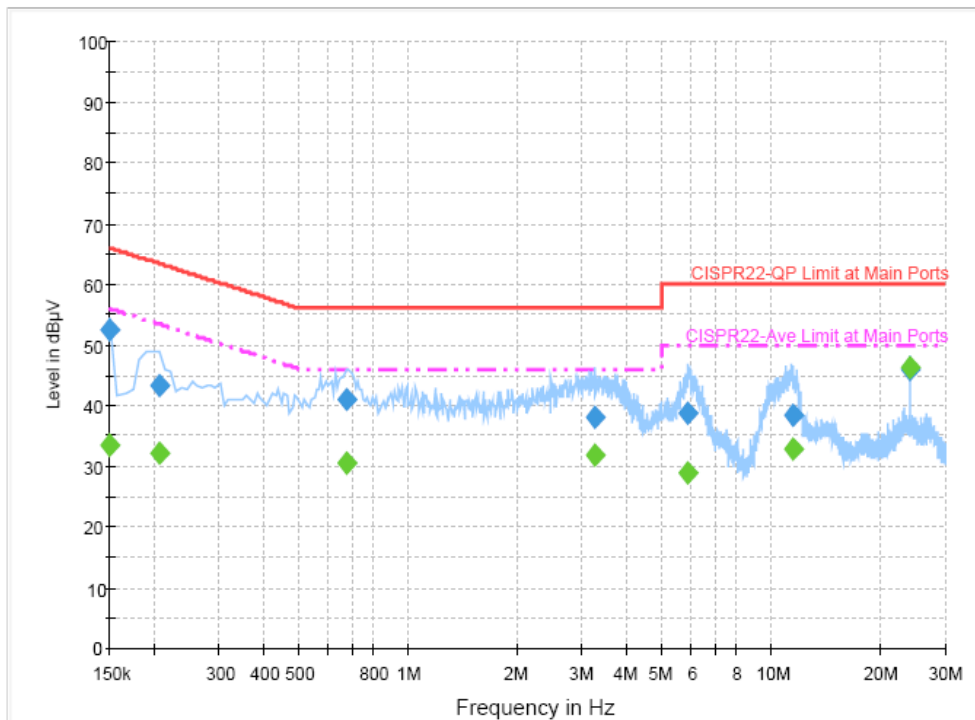
Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	50.3	Off	L1	19.5	15.7	66.0
0.662000	40.3	Off	L1	19.5	15.7	56.0
0.902000	37.0	Off	L1	19.5	19.0	56.0
1.094000	37.4	Off	L1	19.4	18.6	56.0
5.838000	40.5	Off	L1	19.5	19.5	60.0
11.374000	36.6	Off	L1	19.6	23.4	60.0
23.998000	45.7	Off	L1	19.7	14.3	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	32.9	Off	L1	19.5	23.1	56.0
0.662000	28.4	Off	L1	19.5	17.6	46.0
0.902000	28.4	Off	L1	19.5	17.6	46.0
1.094000	28.7	Off	L1	19.4	17.3	46.0
5.838000	32.0	Off	L1	19.5	18.0	50.0
11.374000	30.1	Off	L1	19.6	19.9	50.0
23.998000	46.3	Off	L1	19.7	3.7	50.0

Test Mode :	Mode 1	Temperature :	20~22°C
Test Engineer :	Novic Jiang	Relative Humidity :	40~42%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Function Type :	WLAN Link + Bluetooth Link + TC + Adapter 1		
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	52.5	Off	N	19.5	13.5	66.0
0.206000	43.2	Off	N	19.5	20.2	63.4
0.678000	40.9	Off	N	19.5	15.1	56.0
3.246000	38.0	Off	N	19.5	18.0	56.0
5.878000	38.5	Off	N	19.5	21.5	60.0
11.406000	38.4	Off	N	19.6	21.6	60.0
23.998000	46.0	Off	N	19.9	14.0	60.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.150000	33.5	Off	N	19.5	22.5	56.0
0.206000	32.0	Off	N	19.5	21.4	53.4
0.678000	30.4	Off	N	19.5	15.6	46.0
3.246000	31.9	Off	N	19.5	14.1	46.0
5.878000	29.0	Off	N	19.5	21.0	50.0
11.406000	32.9	Off	N	19.6	17.1	50.0
23.998000	46.3	Off	N	19.9	3.7	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.

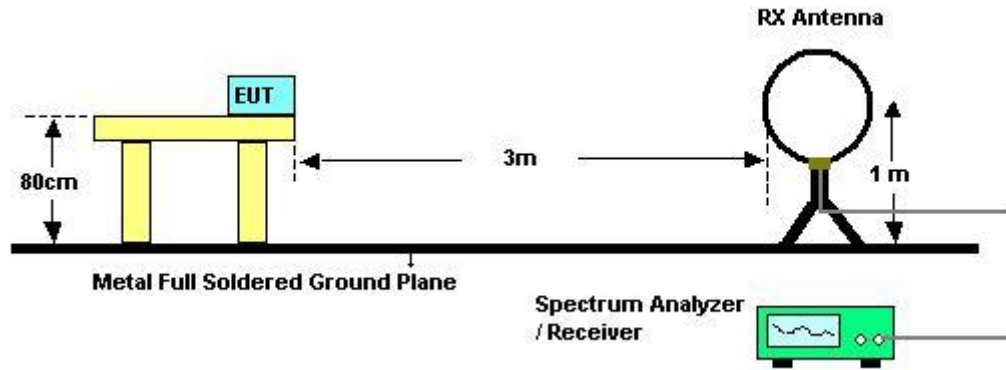


3.3.3 Test Procedures

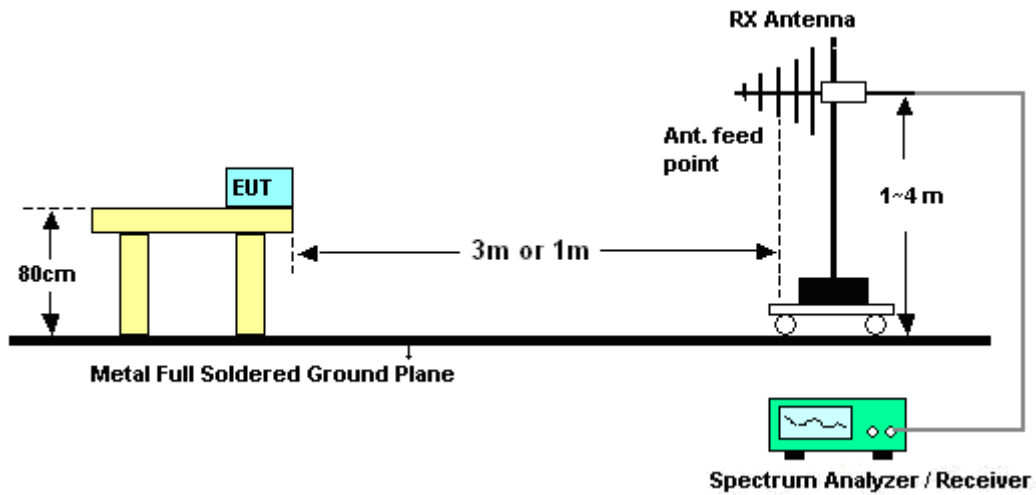
1. The testing follows the guidelines in FCC Public Notice DA 02-2138, (Measurement Guidelines of UNII)
2. The EUT was placed on a rotatable table top 0.8 meter above ground.
3. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna 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	24~25°C	Humidity	43~44%
Test Engineer	Kay Wu		

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 = $40 \log(\text{specific distance} / \text{test distance})$ (dB);

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



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

Test Mode :	Mode 1	Temperature :	23~24°C
Test Channel :	36	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	35.84	-18.16	54.00	31.19	34.02	36.07	6.70	100	38	Average
5150.00	47.14	-26.86	74.00	42.49	34.02	36.07	6.70	100	38	Peak
5180.00	94.84	-	-	90.15	34.05	36.07	6.71	100	38	Peak
5180.00	84.91	-	-	80.22	34.05	36.07	6.71	100	38	Average
5350.00	46.56	-27.44	74.00	41.61	34.18	36.03	6.80	100	38	Peak
5350.00	35.20	-18.80	54.00	30.25	34.18	36.03	6.80	100	38	Average



Test Mode :	Mode 1	Temperature :	23~24°C
Test Channel :	36	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	35.85	-18.15	54.00	31.20	34.02	36.07	6.70	143	28	Average
5150.00	47.81	-26.19	74.00	43.16	34.02	36.07	6.70	143	28	Peak
5180.00	96.02	-	-	91.35	34.03	36.07	6.71	143	28	Peak
5180.00	86.67	-	-	81.98	34.05	36.07	6.71	143	28	Average
5350.00	47.90	-26.10	74.00	42.95	34.18	36.03	6.80	143	28	Peak
5350.00	35.31	-18.69	54.00	30.36	34.18	36.03	6.80	143	28	Average



Test Mode :	Mode 2	Temperature :	23~24°C
Test Channel :	44	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Horizontal
Remark :	5220 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.92	-26.08	74.00	43.27	34.02	36.07	6.70	100	32	Peak
5150.00	36.07	-17.93	54.00	31.42	34.02	36.07	6.70	100	32	Average
5220.00	94.56	-	-	89.81	34.07	36.06	6.74	100	32	Peak
5220.00	85.20	-	-	80.45	34.07	36.06	6.74	100	32	Average
5350.00	46.38	-27.62	74.00	41.43	34.18	36.03	6.80	100	32	Peak
5350.00	35.71	-18.29	54.00	30.76	34.18	36.03	6.80	100	32	Average



Test Mode :	Mode 2	Temperature :	23~24°C
Test Channel :	44	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Vertical
Remark :	5220 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.33	-26.67	74.00	42.68	34.02	36.07	6.70	100	16	Peak
5150.00	36.17	-17.83	54.00	31.52	34.02	36.07	6.70	100	16	Average
5220.00	87.75	-	-	83.00	34.07	36.06	6.74	100	16	Average
5220.00	97.34	-	-	92.59	34.07	36.06	6.74	100	16	Peak
5350.00	47.04	-26.96	74.00	42.09	34.18	36.03	6.80	100	16	Peak
5350.00	35.83	-18.17	54.00	30.88	34.18	36.03	6.80	100	16	Average



Test Mode :	Mode 3	Temperature :	23~24°C
Test Channel :	48	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Horizontal
Remark :	5240 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.03	-26.97	74.00	42.38	34.02	36.07	6.70	100	53	Peak
5150.00	35.70	-18.30	54.00	31.05	34.02	36.07	6.70	100	53	Average
5240.00	94.47	-	-	89.67	34.10	36.05	6.75	100	53	Peak
5240.00	84.97	-	-	80.18	34.09	36.05	6.75	100	53	Average
5350.00	46.91	-27.09	74.00	41.96	34.18	36.03	6.80	100	53	Peak
5350.00	35.51	-18.49	54.00	30.56	34.18	36.03	6.80	100	53	Average



Test Mode :	Mode 3	Temperature :	23~24°C
Test Channel :	48	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Vertical
Remark :	5240 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	48.36	-25.64	74.00	43.71	34.02	36.07	6.70	100	27	Peak
5150.00	35.78	-18.22	54.00	31.13	34.02	36.07	6.70	100	27	Average
5240.00	98.01	-	-	93.22	34.09	36.05	6.75	100	27	Peak
5240.00	88.49	-	-	83.70	34.09	36.05	6.75	100	27	Average
5350.00	46.73	-27.27	74.00	41.78	34.18	36.03	6.80	100	27	Peak
5350.00	35.53	-18.47	54.00	30.58	34.18	36.03	6.80	100	27	Average



Test Mode :	Mode 4	Temperature :	23~24°C
Test Channel :	52	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.83	-26.17	74.00	43.18	34.02	36.07	6.70	113	4	Peak
5150.00	35.86	-18.14	54.00	31.21	34.02	36.07	6.70	113	4	Average
5260.00	97.53	-	-	92.73	34.10	36.05	6.75	113	4	Peak
5260.00	87.98	-	-	83.17	34.11	36.05	6.75	113	4	Average
5350.00	47.02	-26.98	74.00	42.07	34.18	36.03	6.80	113	4	Peak
5350.00	35.45	-18.55	54.00	30.50	34.18	36.03	6.80	113	4	Average



Test Mode :	Mode 4	Temperature :	23~24°C
Test Channel :	52	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	48.59	-25.41	74.00	43.94	34.02	36.07	6.70	100	34	Peak
5150.00	35.76	-18.24	54.00	31.11	34.02	36.07	6.70	100	34	Average
5260.00	98.11	-	-	93.31	34.10	36.05	6.75	100	34	Peak
5260.00	88.56	-	-	83.75	34.11	36.05	6.75	100	34	Average
5350.00	47.65	-26.35	74.00	42.70	34.18	36.03	6.80	100	34	Peak
5350.00	35.84	-18.16	54.00	30.89	34.18	36.03	6.80	100	34	Average



Test Mode :	Mode 5	Temperature :	23~24°C
Test Channel :	60	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.57	-26.43	74.00	42.92	34.02	36.07	6.70	102	8	Peak
5150.00	36.13	-17.87	54.00	31.48	34.02	36.07	6.70	102	8	Average
5300.00	99.34	-	-	94.46	34.14	36.04	6.78	102	8	Peak
5300.00	89.84	-	-	84.96	34.14	36.04	6.78	102	8	Average
5350.00	47.23	-26.77	74.00	42.28	34.18	36.03	6.80	102	8	Peak
5350.00	36.20	-17.80	54.00	31.25	34.18	36.03	6.80	102	8	Average



Test Mode :	Mode 5	Temperature :	23~24°C
Test Channel :	60	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.84	-26.16	74.00	43.19	34.02	36.07	6.70	100	36	Peak
5150.00	36.11	-17.89	54.00	31.46	34.02	36.07	6.70	100	36	Average
5300.00	99.34	-	-	94.46	34.14	36.04	6.78	100	36	Peak
5300.00	89.88	-	-	85.00	34.14	36.04	6.78	100	36	Average
5350.00	47.55	-26.45	74.00	42.60	34.18	36.03	6.80	100	36	Peak
5350.00	36.12	-17.88	54.00	31.17	34.18	36.03	6.80	100	36	Average



Test Mode :	Mode 6	Temperature :	23~24°C
Test Channel :	64	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.96	-26.04	74.00	43.31	34.02	36.07	6.70	152	5	Peak
5150.00	35.75	-18.25	54.00	31.10	34.02	36.07	6.70	152	5	Average
5320.00	97.09	-	-	92.19	34.15	36.04	6.79	152	5	Peak
5320.00	87.45	-	-	82.55	34.15	36.04	6.79	152	5	Average
5350.00	48.71	-25.29	74.00	43.76	34.18	36.03	6.80	152	5	Peak
5350.00	35.87	-18.13	54.00	30.92	34.18	36.03	6.80	152	5	Average



Test Mode :	Mode 6	Temperature :	23~24°C
Test Channel :	64	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	48.27	-25.73	74.00	43.62	34.02	36.07	6.70	100	33	Peak
5150.00	35.82	-18.18	54.00	31.17	34.02	36.07	6.70	100	33	Average
5320.00	87.88	-	-	82.98	34.15	36.04	6.79	100	33	Average
5320.00	97.33	-	-	92.43	34.15	36.04	6.79	100	33	Peak
5350.00	47.40	-26.60	74.00	42.45	34.18	36.03	6.80	100	33	Peak
5350.00	36.05	-17.95	54.00	31.10	34.18	36.03	6.80	100	33	Average



Test Mode :	Mode 7	Temperature :	23~24°C
Test Channel :	100	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	36.30	-32.00	68.30	31.17	34.27	36.01	6.87	107	337	Average
5470.00	48.02	-40.28	88.30	42.89	34.27	36.01	6.87	107	337	Peak
5500.00	97.11	-	-	91.93	34.30	36.00	6.88	107	337	Peak
5500.00	87.49	-	-	82.31	34.30	36.00	6.88	107	337	Average
5725.00	47.66	-40.64	88.30	42.44	34.21	36.00	7.01	107	337	Peak
5725.00	35.90	-32.40	68.30	30.68	34.21	36.00	7.01	107	337	Average



Test Mode :	Mode 7	Temperature :	23~24°C
Test Channel :	100	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	49.48	-38.82	88.30	44.35	34.27	36.01	6.87	128	48	Peak
5470.00	36.66	-31.64	68.30	31.53	34.27	36.01	6.87	128	48	Average
5500.00	98.61	-	-	93.43	34.30	36.00	6.88	128	48	Peak
5500.00	89.13	-	-	83.95	34.30	36.00	6.88	128	48	Average
5725.00	47.08	-41.22	88.30	41.86	34.21	36.00	7.01	128	48	Peak
5725.00	35.94	-32.36	68.30	30.72	34.21	36.00	7.01	128	48	Average



Test Mode :	Mode 8	Temperature :	23~24°C
Test Channel :	120	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	46.98	-27.02	88.30	41.85	34.27	36.01	6.87	101	39	Peak
5470.00	35.75	-18.25	68.30	30.62	34.27	36.01	6.87	101	39	Average
5600.00	95.08	-	-	89.87	34.27	36.00	6.94	101	39	Peak
5600.00	85.54	-	-	80.34	34.26	36.00	6.94	101	39	Average
5725.00	46.24	-27.76	88.30	41.02	34.21	36.00	7.01	101	39	Peak
5725.00	35.89	-18.11	68.30	30.67	34.21	36.00	7.01	101	39	Average



Test Mode :	Mode 8	Temperature :	23~24°C
Test Channel :	120	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	47.99	-40.31	88.30	42.86	34.27	36.01	6.87	100	4	Peak
5470.00	36.00	-32.30	68.30	30.87	34.27	36.01	6.87	100	4	Average
5600.00	99.23	-	-	94.02	34.27	36.00	6.94	100	4	Peak
5600.00	89.65	-	-	84.45	34.26	36.00	6.94	100	4	Average
5725.00	47.70	-40.60	88.30	42.48	34.21	36.00	7.01	100	4	Peak
5725.00	36.02	-32.28	68.30	30.80	34.21	36.00	7.01	100	4	Average



Test Mode :	Mode 9	Temperature :	23~24°C
Test Channel :	140	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	35.71	-32.59	68.30	30.58	34.27	36.01	6.87	100	43	Average
5470.00	47.04	-41.26	88.30	41.91	34.27	36.01	6.87	100	43	Peak
5700.00	94.91	-	-	89.69	34.22	36.00	7.00	100	43	Peak
5700.00	85.61	-	-	80.39	34.22	36.00	7.00	100	43	Average
5725.00	51.16	-37.14	88.30	45.94	34.21	36.00	7.01	100	43	Peak
5725.00	36.43	-31.87	68.30	31.21	34.21	36.00	7.01	100	43	Average



Test Mode :	Mode 9	Temperature :	23~24°C
Test Channel :	140	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	35.75	-32.55	68.30	30.62	34.27	36.01	6.87	101	35	Average
5470.00	48.01	-40.29	88.30	42.88	34.27	36.01	6.87	101	35	Peak
5700.00	99.39	-	-	94.17	34.22	36.00	7.00	101	35	Peak
5700.00	89.97	-	-	84.75	34.22	36.00	7.00	101	35	Average
5725.00	56.33	-31.97	88.30	51.11	34.21	36.00	7.01	101	35	Peak
5725.00	37.10	-31.20	68.30	31.88	34.21	36.00	7.01	101	35	Average



Test Mode :	Mode 10	Temperature :	23~24°C
Test Channel :	36	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	36.11	-17.89	54.00	31.46	34.02	36.07	6.70	100	324	Average
5150.00	47.93	-26.07	74.00	43.28	34.02	36.07	6.70	100	324	Peak
5180.00	95.58	-	-	90.89	34.05	36.07	6.71	100	324	Peak
5180.00	83.13	-	-	78.44	34.05	36.07	6.71	100	324	Average
5350.00	48.63	-25.37	74.00	43.68	34.18	36.03	6.80	100	324	Peak
5350.00	35.53	-18.47	54.00	30.58	34.18	36.03	6.80	100	324	Average



Test Mode :	Mode 10	Temperature :	23~24°C
Test Channel :	36	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	52.43	-21.57	74.00	47.78	34.02	36.07	6.70	115	4	Peak
5150.00	37.38	-16.62	54.00	32.73	34.02	36.07	6.70	115	4	Average
5180.00	102.74	-	-	98.05	34.05	36.07	6.71	115	4	Peak
5180.00	90.45	-	-	85.76	34.05	36.07	6.71	115	4	Average
5350.00	47.08	-26.92	74.00	42.13	34.18	36.03	6.80	115	4	Peak
5350.00	35.74	-18.26	54.00	30.79	34.18	36.03	6.80	115	4	Average



Test Mode :	Mode 11	Temperature :	23~24°C
Test Channel :	44	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Horizontal
Remark :	5220 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.64	-26.36	74.00	42.99	34.02	36.07	6.70	137	5	Peak
5150.00	36.91	-17.09	54.00	32.26	34.02	36.07	6.70	137	5	Average
5220.00	101.05	-	-	96.30	34.07	36.06	6.74	137	5	Peak
5220.00	89.49	-	-	84.74	34.07	36.06	6.74	137	5	Average
5350.00	47.92	-26.08	74.00	42.97	34.18	36.03	6.80	137	5	Peak
5350.00	36.42	-17.58	54.00	31.47	34.18	36.03	6.80	137	5	Average



Test Mode :	Mode 11	Temperature :	23~24°C
Test Channel :	44	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Vertical
Remark :	5220 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	49.26	-24.74	74.00	44.61	34.02	36.07	6.70	114	359	Peak
5150.00	37.65	-16.35	54.00	33.00	34.02	36.07	6.70	114	359	Average
5220.00	109.17	-	-	104.42	34.07	36.06	6.74	114	359	Peak
5220.00	97.55	-	-	92.80	34.07	36.06	6.74	114	359	Average
5350.00	48.14	-25.86	74.00	43.19	34.18	36.03	6.80	114	359	Peak
5350.00	37.06	-16.94	54.00	32.11	34.18	36.03	6.80	114	359	Average



Test Mode :	Mode 12	Temperature :	23~24°C
Test Channel :	48	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Horizontal
Remark :	5240 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.42	-26.58	74.00	42.77	34.02	36.07	6.70	101	306	Peak
5150.00	36.97	-17.03	54.00	32.32	34.02	36.07	6.70	101	306	Average
5240.00	98.85	-	-	94.06	34.09	36.05	6.75	101	306	Peak
5240.00	87.14	-	-	82.35	34.09	36.05	6.75	101	306	Average
5350.00	47.45	-26.55	74.00	42.50	34.18	36.03	6.80	101	306	Peak
5350.00	35.75	-18.25	54.00	30.80	34.18	36.03	6.80	101	306	Average



Test Mode :	Mode 12	Temperature :	23~24°C
Test Channel :	48	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Vertical
Remark :	5240 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.77	-26.23	74.00	43.12	34.02	36.07	6.70	100	0	Peak
5150.00	36.33	-17.67	54.00	31.68	34.02	36.07	6.70	100	0	Average
5240.00	103.48	-	-	98.69	34.09	36.05	6.75	100	0	Peak
5240.00	92.17	-	-	87.38	34.09	36.05	6.75	100	0	Average
5350.00	48.54	-25.46	74.00	43.59	34.18	36.03	6.80	100	0	Peak
5350.00	36.33	-17.67	54.00	31.38	34.18	36.03	6.80	100	0	Average



Test Mode :	Mode 13	Temperature :	23~24°C
Test Channel :	52	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.13	-26.87	74.00	42.48	34.02	36.07	6.70	100	306	Peak
5150.00	35.93	-18.07	54.00	31.28	34.02	36.07	6.70	100	306	Average
5260.00	98.54	-	-	93.74	34.10	36.05	6.75	100	306	Peak
5260.00	86.36	-	-	81.55	34.11	36.05	6.75	100	306	Average
5350.00	47.27	-26.73	74.00	42.32	34.18	36.03	6.80	100	306	Peak
5350.00	35.70	-18.30	54.00	30.75	34.18	36.03	6.80	100	306	Average



Test Mode :	Mode 13	Temperature :	23~24°C
Test Channel :	52	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	47.47	-26.53	74.00	42.82	34.02	36.07	6.70	100	356	Peak
5150.00	36.31	-17.69	54.00	31.66	34.02	36.07	6.70	100	356	Average
5260.00	105.12	-	-	100.32	34.10	36.05	6.75	100	356	Peak
5260.00	92.85	-	-	88.04	34.11	36.05	6.75	100	356	Average
5350.00	47.60	-26.40	74.00	42.65	34.18	36.03	6.80	100	356	Peak
5350.00	36.29	-17.71	54.00	31.34	34.18	36.03	6.80	100	356	Average



Test Mode :	Mode 14	Temperature :	23~24°C
Test Channel :	60	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	48.11	-25.89	74.00	43.46	34.02	36.07	6.70	100	42	Peak
5150.00	36.68	-17.32	54.00	32.03	34.02	36.07	6.70	100	42	Average
5300.00	101.56	-	-	96.68	34.14	36.04	6.78	100	42	Peak
5300.00	89.07	-	-	84.19	34.14	36.04	6.78	100	42	Average
5350.00	48.69	-25.31	74.00	43.74	34.18	36.03	6.80	100	42	Peak
5350.00	36.54	-17.46	54.00	31.59	34.18	36.03	6.80	100	42	Average



Test Mode :	Mode 14	Temperature :	23~24°C
Test Channel :	60	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	48.16	-25.84	74.00	43.51	34.02	36.07	6.70	113	353	Peak
5150.00	37.00	-17.00	54.00	32.35	34.02	36.07	6.70	113	353	Average
5300.00	107.75	-	-	102.87	34.14	36.04	6.78	113	353	Peak
5300.00	95.72	-	-	90.84	34.14	36.04	6.78	113	353	Average
5350.00	48.73	-25.27	74.00	43.78	34.18	36.03	6.80	113	353	Peak
5350.00	37.44	-16.56	54.00	32.49	34.18	36.03	6.80	113	353	Average



Test Mode :	Mode 15	Temperature :	23~24°C
Test Channel :	64	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	35.91	-18.09	54.00	31.26	34.02	36.07	6.70	102	298	Average
5150.00	47.46	-26.54	74.00	42.81	34.02	36.07	6.70	102	298	Peak
5320.00	98.48	-	-	93.58	34.15	36.04	6.79	102	298	Peak
5320.00	86.37	-	-	81.47	34.15	36.04	6.79	102	298	Average
5350.00	48.01	-25.99	74.00	43.06	34.18	36.03	6.80	102	298	Peak
5350.00	35.92	-18.08	54.00	30.97	34.18	36.03	6.80	102	298	Average



Test Mode :	Mode 15	Temperature :	23~24°C
Test Channel :	64	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5150.00	46.74	-27.26	74.00	42.09	34.02	36.07	6.70	100	13	Peak
5150.00	36.16	-17.84	54.00	31.51	34.02	36.07	6.70	100	13	Average
5320.00	104.78	-	-	99.88	34.15	36.04	6.79	100	13	Peak
5320.00	92.26	-	-	87.36	34.15	36.04	6.79	100	13	Average
5350.00	49.26	-24.74	74.00	44.31	34.18	36.03	6.80	100	13	Peak
5350.00	36.99	-17.01	54.00	32.04	34.18	36.03	6.80	100	13	Average



Test Mode :	Mode 16	Temperature :	23~24°C
Test Channel :	100	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	35.91	-32.39	68.30	30.78	34.27	36.01	6.87	100	292	Average
5470.00	48.07	-40.23	88.30	42.94	34.27	36.01	6.87	100	292	Peak
5500.00	87.09	-	-	81.91	34.30	36.00	6.88	100	292	Average
5500.00	99.23	-	-	94.05	34.30	36.00	6.88	100	292	Peak
5725.00	47.38	-40.92	88.30	42.16	34.21	36.00	7.01	100	292	Peak
5725.00	35.62	-32.68	68.30	30.40	34.21	36.00	7.01	100	292	Average



Test Mode :	Mode 16	Temperature :	23~24°C
Test Channel :	100	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	47.79	-40.51	88.30	42.66	34.27	36.01	6.87	122	344	Peak
5470.00	36.37	-31.93	68.30	31.24	34.27	36.01	6.87	122	344	Average
5500.00	102.56	-	-	97.39	34.29	36.00	6.88	122	344	Peak
5500.00	90.95	-	-	85.77	34.30	36.00	6.88	122	344	Average
5725.00	46.70	-41.60	88.30	41.48	34.21	36.00	7.01	122	344	Peak
5725.00	35.72	-32.58	68.30	30.50	34.21	36.00	7.01	122	344	Average



Test Mode :	Mode 17	Temperature :	23~24°C
Test Channel :	120	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	47.51	-40.79	88.30	42.38	34.27	36.01	6.87	100	290	Peak
5470.00	36.30	-32.00	68.30	31.17	34.27	36.01	6.87	100	290	Average
5600.00	86.19	-	-	80.99	34.26	36.00	6.94	100	290	Average
5600.00	97.53	-	-	92.33	34.26	36.00	6.94	100	290	Peak
5725.00	46.88	-41.42	88.30	41.66	34.21	36.00	7.01	100	290	Peak
5725.00	36.05	-32.25	68.30	30.83	34.21	36.00	7.01	100	290	Average



Test Mode :	Mode 17	Temperature :	23~24°C
Test Channel :	120	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	46.96	-41.34	88.30	41.83	34.27	36.01	6.87	122	329	Peak
5470.00	36.05	-32.25	68.30	30.92	34.27	36.01	6.87	122	329	Average
5600.00	88.75	-	-	83.55	34.26	36.00	6.94	122	329	Average
5600.00	100.06	-	-	94.86	34.26	36.00	6.94	122	329	Peak
5725.00	47.09	-41.21	88.30	41.87	34.21	36.00	7.01	122	329	Peak
5725.00	36.08	-32.22	68.30	30.86	34.21	36.00	7.01	122	329	Average



Test Mode :	Mode 18	Temperature :	23~24°C
Test Channel :	140	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	47.42	-40.88	88.30	42.29	34.27	36.01	6.87	100	12	Peak
5470.00	35.80	-32.50	68.30	30.67	34.27	36.01	6.87	100	12	Average
5700.00	84.94	-	-	79.72	34.22	36.00	7.00	100	12	Average
5700.00	96.32	-	-	91.10	34.22	36.00	7.00	100	12	Peak
5725.00	50.94	-37.36	88.30	45.72	34.21	36.00	7.01	100	12	Peak
5725.00	37.91	-30.39	68.30	32.69	34.21	36.00	7.01	100	12	Average



Test Mode :	Mode 18	Temperature :	23~24°C
Test Channel :	140	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5470.00	35.86	-32.44	68.30	30.73	34.27	36.01	6.87	159	189	Average
5470.00	47.75	-40.55	88.30	42.62	34.27	36.01	6.87	159	189	Peak
5700.00	101.88	-	-	96.66	34.22	36.00	7.00	159	189	Peak
5700.00	89.34	-	-	84.12	34.22	36.00	7.00	159	189	Average
5725.00	58.14	-30.16	88.30	52.92	34.21	36.00	7.01	159	189	Peak
5725.00	40.88	-27.42	68.30	35.66	34.21	36.00	7.01	159	189	Average



Test Mode :	Mode 19	Temperature :	23~24°C
Test Channel :	38	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.01	32.49	-7.51	40.00	54.05	9.27	31.56	0.73	-	-	Peak
61.86	29.78	-10.22	40.00	54.31	6.28	31.54	0.73	-	-	Peak
257.61	39.72	-6.28	46.00	56.31	13.48	31.49	1.42	-	-	Peak
332.90	38.53	-7.47	46.00	53.59	14.61	31.30	1.63	-	-	Peak
582.80	41.36	-4.64	46.00	50.78	19.30	30.90	2.18	100	241	Peak
750.10	35.07	-10.93	46.00	42.38	20.72	30.54	2.51	-	-	Peak
5150.00	45.58	-8.42	54.00	40.93	34.02	36.07	6.70	112	307	Average
5150.00	59.11	-14.89	74.00	54.46	34.02	36.07	6.70	112	307	Peak
5190.00	85.15	-	-	80.44	34.05	36.06	6.72	112	307	Average
5190.00	95.21	-	-	90.49	34.06	36.06	6.72	112	307	Peak
5350.00	46.28	-27.72	74.00	41.33	34.18	36.03	6.80	112	307	Peak
5350.00	35.74	-18.26	54.00	30.79	34.18	36.03	6.80	112	307	Average
8256.00	52.23	-21.77	74.00	44.16	35.75	36.65	8.97	100	144	Peak
8256.00	40.11	-13.89	54.00	32.04	35.75	36.65	8.97	100	144	Average



Test Mode :	Mode 19	Temperature :	23~24°C
Test Channel :	38	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	34.74	-5.26	40.00	56.30	9.27	31.56	0.73	-	-	Peak
62.67	36.64	-3.36	40.00	61.20	6.24	31.53	0.73	100	156	Peak
107.22	37.68	-5.82	43.50	56.22	12.04	31.53	0.95	-	-	Peak
332.90	38.83	-7.17	46.00	53.89	14.61	31.30	1.63	-	-	Peak
500.20	39.05	-6.95	46.00	49.99	18.10	31.08	2.04	-	-	Peak
584.20	42.02	-3.98	46.00	51.44	19.30	30.90	2.18	-	-	Peak
5150.00	46.45	-7.55	54.00	41.80	34.02	36.07	6.70	164	298	Average
5150.00	59.37	-14.63	74.00	54.72	34.02	36.07	6.70	164	298	Peak
5190.00	96.15	-	-	91.46	34.05	36.07	6.71	164	298	Peak
5190.00	85.94	-	-	81.23	34.05	36.06	6.72	164	298	Average
5350.00	46.81	-27.19	74.00	41.86	34.18	36.03	6.80	164	298	Peak
5350.00	35.72	-18.28	54.00	30.77	34.18	36.03	6.80	164	298	Average
8294.00	52.28	-21.72	74.00	44.17	35.74	36.66	9.03	100	17	Peak
8294.00	40.16	-13.84	54.00	32.05	35.74	36.66	9.03	100	17	Average



Test Mode :	Mode 20	Temperature :	23~24°C
Test Channel :	46	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Horizontal
Remark :	5230 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	32.04	-7.96	40.00	53.60	9.27	31.56	0.73	-	-	Peak
62.13	29.15	-10.85	40.00	53.68	6.28	31.54	0.73	-	-	Peak
250.05	40.37	-5.63	46.00	57.80	12.68	31.53	1.42	-	-	Peak
341.30	38.79	-7.21	46.00	53.69	14.77	31.30	1.63	-	-	Peak
584.20	41.06	-4.94	46.00	50.48	19.30	30.90	2.18	100	147	Peak
772.50	32.24	-13.76	46.00	39.51	20.73	30.54	2.54	-	-	Peak
5150.00	36.23	-17.77	54.00	31.58	34.02	36.07	6.70	102	300	Average
5150.00	47.19	-26.81	74.00	42.54	34.02	36.07	6.70	102	300	Peak
5230.00	87.94	-	-	83.17	34.09	36.06	6.74	102	300	Average
5230.00	98.23	-	-	93.44	34.09	36.05	6.75	102	300	Peak
5350.00	47.33	-26.67	74.00	42.38	34.18	36.03	6.80	102	300	Peak
5350.00	35.75	-18.25	54.00	30.80	34.18	36.03	6.80	102	300	Average
8196.00	52.96	-21.04	74.00	44.94	35.76	36.64	8.90	100	59	Peak
8196.00	41.03	-12.97	54.00	33.01	35.76	36.64	8.90	100	59	Average



Test Mode :	Mode 20	Temperature :	23~24°C
Test Channel :	46	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Vertical
Remark :	5230 MHz is Fundamental Signals which can be ignored.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	35.02	-4.98	40.00	56.58	9.27	31.56	0.73	-	-	Peak
60.78	36.66	-3.34	40.00	61.17	6.31	31.55	0.73	100	251	Peak
107.22	38.80	-4.70	43.50	57.34	12.04	31.53	0.95	-	-	Peak
332.90	36.50	-9.50	46.00	51.56	14.61	31.30	1.63	-	-	Peak
514.90	37.88	-8.12	46.00	48.43	18.45	31.04	2.04	-	-	Peak
584.20	41.75	-4.25	46.00	51.17	19.30	30.90	2.18	-	-	Peak
5150.00	36.14	-17.86	54.00	31.49	34.02	36.07	6.70	101	324	Average
5150.00	47.10	-26.90	74.00	42.45	34.02	36.07	6.70	101	324	Peak
5230.00	87.81	-	-	83.04	34.09	36.06	6.74	101	324	Average
5230.00	98.21	-	-	93.44	34.09	36.06	6.74	101	324	Peak
5350.00	46.98	-27.02	74.00	42.03	34.18	36.03	6.80	101	324	Peak
5350.00	35.76	-18.24	54.00	30.81	34.18	36.03	6.80	101	324	Average
8262.00	51.97	-22.03	74.00	43.87	35.75	36.65	9.00	100	174	Peak
8262.00	41.11	-12.89	54.00	33.01	35.75	36.65	9.00	100	174	Average



Test Mode :	Mode 21	Temperature :	23~24°C
Test Channel :	54	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	32.16	-7.84	40.00	53.72	9.27	31.56	0.73	-	-	Peak
182.82	31.38	-12.12	43.50	52.57	9.08	31.50	1.23	-	-	Peak
257.61	40.46	-5.54	46.00	57.05	13.48	31.49	1.42	-	-	Peak
343.40	39.44	-6.56	46.00	54.18	14.85	31.30	1.71	-	-	Peak
584.20	41.38	-4.62	46.00	50.80	19.30	30.90	2.18	100	214	Peak
774.60	32.21	-13.79	46.00	39.48	20.73	30.54	2.54	-	-	Peak
5150.00	36.23	-17.77	54.00	31.58	34.02	36.07	6.70	102	300	Average
5150.00	47.19	-26.81	74.00	42.54	34.02	36.07	6.70	102	300	Peak
5270.00	87.94	-	-	83.17	34.09	36.06	6.74	102	300	Average
5270.00	98.23	-	-	93.44	34.09	36.05	6.75	102	300	Peak
5350.00	47.33	-26.67	74.00	42.38	34.18	36.03	6.80	102	300	Peak
5350.00	35.75	-18.25	54.00	30.80	34.18	36.03	6.80	102	300	Average
8306.00	51.95	-22.05	74.00	43.84	35.74	36.66	9.03	114	154	Peak
8306.00	40.53	-13.47	54.00	32.42	35.74	36.66	9.03	114	154	Average



Test Mode :	Mode 21	Temperature :	23~24°C
Test Channel :	54	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
61.86	35.98	-4.02	40.00	60.51	6.28	31.54	0.73	100	319	Peak
107.49	38.48	-5.02	43.50	56.90	12.16	31.53	0.95	-	-	Peak
171.21	34.37	-9.13	43.50	55.02	9.66	31.54	1.23	-	-	Peak
500.20	37.44	-8.56	46.00	48.38	18.10	31.08	2.04	-	-	Peak
584.20	40.94	-5.06	46.00	50.36	19.30	30.90	2.18	-	-	Peak
719.30	34.54	-11.46	46.00	42.49	20.25	30.65	2.45	-	-	Peak
5150.00	36.14	-17.86	54.00	31.49	34.02	36.07	6.70	101	324	Average
5150.00	47.10	-26.90	74.00	42.45	34.02	36.07	6.70	101	324	Peak
5270.00	87.81	-	-	83.04	34.09	36.06	6.74	101	324	Average
5270.00	98.21	-	-	93.44	34.09	36.06	6.74	101	324	Peak
5350.00	46.98	-27.02	74.00	42.03	34.18	36.03	6.80	101	324	Peak
5350.00	35.76	-18.24	54.00	30.81	34.18	36.03	6.80	101	324	Average
8316.00	51.37	-22.63	74.00	43.24	35.74	36.67	9.06	100	274	Peak
8316.00	40.71	-13.29	54.00	32.58	35.74	36.67	9.06	100	274	Average



Test Mode :	Mode 22	Temperature :	23~24°C
Test Channel :	62	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	31.85	-8.15	40.00	53.41	9.27	31.56	0.73	-	-	Peak
183.09	31.18	-12.32	43.50	52.37	9.08	31.50	1.23	-	-	Peak
257.61	40.66	-5.34	46.00	57.25	13.48	31.49	1.42	-	-	Peak
343.40	39.34	-6.66	46.00	54.08	14.85	31.30	1.71	-	-	Peak
514.20	32.92	-13.08	46.00	43.47	18.45	31.04	2.04	-	-	Peak
584.20	42.05	-3.95	46.00	51.47	19.30	30.90	2.18	100	293	Peak
5150.00	36.89	-17.11	54.00	32.24	34.02	36.07	6.70	102	301	Average
5150.00	47.43	-26.57	74.00	42.78	34.02	36.07	6.70	102	301	Peak
5310.00	100.77	-	-	95.89	34.14	36.04	6.78	102	301	Peak
5310.00	90.44	-	-	85.55	34.15	36.04	6.78	102	301	Average
5350.00	60.98	-13.02	74.00	56.03	34.18	36.03	6.80	102	301	Peak
5350.00	48.20	-5.80	54.00	43.25	34.18	36.03	6.80	102	301	Average
8280.00	52.09	-21.91	74.00	44.00	35.74	36.65	9.00	100	106	Peak
8280.00	40.36	-13.64	54.00	32.27	35.74	36.65	9.00	100	106	Average



Test Mode :	Mode 22	Temperature :	23~24°C
Test Channel :	62	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	35.18	-4.82	40.00	56.74	9.27	31.56	0.73	-	-	Peak
61.86	35.26	-4.74	40.00	59.79	6.28	31.54	0.73	100	169	Peak
106.41	38.25	-5.25	43.50	56.92	11.92	31.54	0.95	-	-	Peak
332.90	36.31	-9.69	46.00	51.37	14.61	31.30	1.63	-	-	Peak
500.20	38.47	-7.53	46.00	49.41	18.10	31.08	2.04	-	-	Peak
584.20	39.40	-6.60	46.00	48.82	19.30	30.90	2.18	-	-	Peak
5150.00	48.77	-25.23	74.00	44.12	34.02	36.07	6.70	121	328	Peak
5150.00	38.86	-15.14	54.00	34.21	34.02	36.07	6.70	121	328	Average
5310.00	101.16	-	-	96.28	34.14	36.04	6.78	121	328	Peak
5310.00	91.86	-	-	86.97	34.15	36.04	6.78	121	328	Average
5350.00	48.71	-5.29	54.00	43.76	34.18	36.03	6.80	121	328	Average
5350.00	59.41	-14.59	74.00	54.46	34.18	36.03	6.80	121	328	Peak
8262.00	52.07	-21.93	74.00	43.97	35.75	36.65	9.00	100	79	Peak
8262.00	40.77	-13.23	54.00	32.67	35.75	36.65	9.00	100	79	Average



Test Mode :	Mode 23	Temperature :	23~24°C
Test Channel :	102	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Horizontal
Remark :	1. 5510 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	32.32	-7.68	40.00	53.88	9.27	31.56	0.73	-	-	Peak
178.50	38.61	-4.89	43.50	59.73	9.17	31.52	1.23	100	152	Peak
257.61	39.05	-6.95	46.00	55.64	13.48	31.49	1.42	-	-	Peak
343.40	39.54	-6.46	46.00	54.28	14.85	31.30	1.71	-	-	Peak
584.20	40.69	-5.31	46.00	50.11	19.30	30.90	2.18	-	-	Peak
750.10	33.11	-12.89	46.00	40.42	20.72	30.54	2.51	-	-	Peak
5470.00	50.18	-18.12	68.30	45.05	34.27	36.01	6.87	100	293	Average
5470.00	64.83	-23.47	88.30	59.70	34.27	36.01	6.87	100	293	Peak
5510.00	100.72	-	-	95.54	34.30	36.00	6.88	100	293	Peak
5510.00	90.47	-	-	85.29	34.30	36.00	6.88	100	293	Average
5725.00	47.04	-41.26	88.30	41.82	34.21	36.00	7.01	100	293	Peak
5725.00	36.56	-31.74	68.30	31.34	34.21	36.00	7.01	100	293	Average
8486.00	52.61	-21.39	74.00	44.33	35.70	36.70	9.28	100	293	Peak
8486.00	40.28	-13.72	54.00	32.00	35.70	36.70	9.28	100	293	Average



Test Mode :	Mode 23	Temperature :	23~24°C
Test Channel :	102	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Vertical
Remark :	1. 5510 MHz is Fundamental Signals which can be ignored. 2. 5470 MHz and 5725 MHz are not within a restricted band.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	35.33	-4.67	40.00	56.89	9.27	31.56	0.73	-	-	Peak
61.86	36.24	-3.76	40.00	60.77	6.28	31.54	0.73	100	288	Peak
107.22	38.54	-4.96	43.50	57.08	12.04	31.53	0.95	-	-	Peak
332.90	36.95	-9.05	46.00	52.01	14.61	31.30	1.63	-	-	Peak
514.90	36.98	-9.02	46.00	47.53	18.45	31.04	2.04	-	-	Peak
584.20	39.17	-6.83	46.00	48.59	19.30	30.90	2.18	-	-	Peak
5470.00	51.71	-16.59	68.30	46.58	34.27	36.01	6.87	121	309	Average
5470.00	65.16	-23.14	88.30	60.03	34.27	36.01	6.87	121	309	Peak
5510.00	102.87	-	-	97.69	34.30	36.00	6.88	121	309	Peak
5510.00	93.01	-	-	87.83	34.30	36.00	6.88	121	309	Average
5725.00	49.15	-39.15	88.30	43.93	34.21	36.00	7.01	121	309	Peak
5725.00	36.61	-31.69	68.30	31.39	34.21	36.00	7.01	121	309	Average
8470.00	52.16	-21.84	74.00	43.89	35.71	36.69	9.25	100	311	Peak
8470.00	40.82	-13.18	54.00	32.55	35.71	36.69	9.25	100	311	Average



Test Mode :	Mode 24	Temperature :	23~24°C
Test Channel :	118	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	Polarization :	Horizontal
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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	32.19	-7.81	40.00	53.75	9.27	31.56	0.73	-	-	Peak
61.05	29.56	-10.44	40.00	54.07	6.31	31.55	0.73	-	-	Peak
257.61	39.03	-6.97	46.00	55.62	13.48	31.49	1.42	-	-	Peak
332.90	39.27	-6.73	46.00	54.33	14.61	31.30	1.63	-	-	Peak
584.20	41.29	-4.71	46.00	50.71	19.30	30.90	2.18	100	157	Peak
780.20	31.74	-14.26	46.00	39.00	20.74	30.54	2.54	-	-	Peak
5470.00	49.02	-39.28	88.30	43.89	34.27	36.01	6.87	100	288	Peak
5470.00	37.10	-31.20	68.30	31.97	34.27	36.01	6.87	100	288	Average
5590.00	99.15	-	-	93.94	34.27	36.00	6.94	100	288	Peak
5590.00	88.75	-	-	83.54	34.27	36.00	6.94	100	288	Average
5725.00	47.60	-40.70	88.30	42.38	34.21	36.00	7.01	100	288	Peak
5725.00	36.61	-31.69	68.30	31.39	34.21	36.00	7.01	100	288	Average
8210.00	52.91	-21.09	74.00	44.86	35.76	36.64	8.93	100	66	Peak
8210.00	40.70	-13.30	54.00	32.65	35.76	36.64	8.93	100	66	Average



Test Mode :	Mode 24	Temperature :	23~24°C
Test Channel :	118	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	36.39	-3.61	40.00	57.95	9.27	31.56	0.73	100	5	Peak
59.97	36.33	-3.67	40.00	60.81	6.35	31.56	0.73	-	-	Peak
108.30	37.88	-5.62	43.50	56.30	12.16	31.53	0.95	-	-	Peak
343.40	36.37	-9.63	46.00	51.11	14.85	31.30	1.71	-	-	Peak
500.20	38.92	-7.08	46.00	49.86	18.10	31.08	2.04	-	-	Peak
584.20	39.58	-6.42	46.00	49.00	19.30	30.90	2.18	-	-	Peak
5470.00	49.27	-39.03	88.30	44.14	34.27	36.01	6.87	109	306	Peak
5470.00	36.61	-31.69	68.30	31.48	34.27	36.01	6.87	109	306	Average
5590.00	100.63	-	-	95.42	34.27	36.00	6.94	109	306	Peak
5590.00	90.82	-	-	85.61	34.27	36.00	6.94	109	306	Average
5725.00	47.66	-40.64	88.30	42.44	34.21	36.00	7.01	109	306	Peak
5725.00	36.53	-31.77	68.30	31.31	34.21	36.00	7.01	109	306	Average
8188.00	52.57	-21.43	74.00	44.55	35.76	36.64	8.90	100	317	Peak
8188.00	40.91	-13.09	54.00	32.89	35.76	36.64	8.90	100	317	Average



Test Mode :	Mode 25	Temperature :	23~24°C
Test Channel :	134	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	31.12	-8.88	40.00	52.68	9.27	31.56	0.73	-	-	Peak
62.94	29.47	-10.53	40.00	54.03	6.24	31.53	0.73	-	-	Peak
257.61	39.10	-6.90	46.00	55.69	13.48	31.49	1.42	-	-	Peak
343.40	40.31	-5.69	46.00	55.05	14.85	31.30	1.71	-	-	Peak
397.30	37.82	-8.18	46.00	50.81	16.38	31.19	1.82	-	-	Peak
584.20	41.41	-4.59	46.00	50.83	19.30	30.90	2.18	100	141	Peak
5470.00	48.41	-39.89	88.30	43.28	34.27	36.01	6.87	108	288	Peak
5470.00	36.33	-31.97	68.30	31.20	34.27	36.01	6.87	108	288	Average
5670.00	95.95	-	-	90.74	34.24	36.00	6.97	108	288	Peak
5670.00	85.90	-	-	80.68	34.23	36.00	6.99	108	288	Average
5725.00	48.25	-40.05	88.30	43.03	34.21	36.00	7.01	108	288	Peak
5725.00	37.17	-31.13	68.30	31.95	34.21	36.00	7.01	108	288	Average
8196.00	52.65	-21.35	74.00	44.63	35.76	36.64	8.90	100	244	Peak
8196.00	40.11	-13.89	54.00	32.09	35.76	36.64	8.90	100	244	Average



Test Mode :	Mode 25	Temperature :	23~24°C
Test Channel :	134	Relative Humidity :	47~50%
Test Engineer :	Cona Huang	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)	Preamp Factor (dB)	Cable Loss (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
47.82	35.72	-4.28	40.00	57.28	9.27	31.56	0.73	-	-	Peak
61.86	36.64	-3.36	40.00	61.17	6.28	31.54	0.73	100	63	Peak
106.14	37.18	-6.32	43.50	55.85	11.92	31.54	0.95	-	-	Peak
332.90	36.36	-9.64	46.00	51.42	14.61	31.30	1.63	-	-	Peak
500.20	37.48	-8.52	46.00	48.42	18.10	31.08	2.04	-	-	Peak
584.20	40.71	-5.29	46.00	50.13	19.30	30.90	2.18	-	-	Peak
5470.00	48.78	-39.52	88.30	43.65	34.27	36.01	6.87	127	307	Peak
5470.00	36.44	-31.86	68.30	31.31	34.27	36.01	6.87	127	307	Average
5670.00	96.90	-	-	91.69	34.24	36.00	6.97	127	307	Peak
5670.00	86.76	-	-	81.54	34.23	36.00	6.99	127	307	Average
5725.00	49.79	-38.51	88.30	44.57	34.21	36.00	7.01	127	307	Peak
5725.00	37.35	-30.95	68.30	32.13	34.21	36.00	7.01	127	307	Average
8168.00	52.53	-21.47	74.00	44.52	35.77	36.63	8.87	120	145	Peak
8168.00	40.44	-13.56	54.00	32.43	35.77	36.63	8.87	120	145	Average



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 antenna type used in this product is PIFA Antenna 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)
GPS Station	T&E	GS-50	N/A	N/A	N/A	N/A	Conduction (CO05-HY)
Spectrum Analyzer	R&S	FSP40	100057	9KHz-40GHz	Oct. 20, 2009	Oct. 19, 2010	Radiation (03CH05-HY)
Amplifier	COM-POWER	PA-103	161069	1KHz - 1GHz	Mar. 29, 2010	Mar. 28, 2011	Radiation (03CH05-HY)
Bilog Antenna	SCHAFFNER	CBL6111C	2727C	30 MHz - 1 GHz	Aug. 12, 2009	Aug. 11, 2010	Radiation (03CH05-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170251	15GHz- 40GHz	Oct. 14, 2009	Oct. 13, 2010	Radiation (03CH05-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1GHz- 26.5GHz	Nov. 11, 2009	Nov. 10, 2010	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	00066584	1GHz ~ 18GHz	Aug. 05, 2009	Aug. 04, 2010	Radiation (03CH05-HY)
Horn Antenna	Training Research	AH-0801	95119	8GHz~18GHz	Nov. 02, 2009	Nov. 01, 2010	Radiation (03CH05-HY)

5 Uncertainty of Evaluation

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

Contribution	Uncertainty of X_i		$u(X_i)$
	dB	Probability Distribution	
Receiver Reading	0.10	Normal (k=2)	0.05
Cable Loss	0.10	Normal (k=2)	0.05
AMN Insertion Loss	2.50	Rectangular	0.63
Receiver Specification	1.50	Rectangular	0.43
Site Imperfection	1.39	Rectangular	0.80
Mismatch	+0.34 / -0.35	U-Shape	0.24
Combined Standard Uncertainty $U_c(y)$	1.13		
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	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 $U_c(y)$	1.27		
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	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 $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20\text{Log}(1-\Gamma_1*\Gamma_2)$	+0.34 / -0.35	U-Shape	0.244	1	0.244
Combined Standard Uncertainty $U_c(y)$	2.36				
Measuring Uncertainty for a Level of Confidence of 95% ($U = 2U_c(y)$)	4.72				



Appendix A. Photographs of EUT

Please refer to Sporton report number EP052506-02 as below.