# **Appendix D. Collocation Report**

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 Issued Date
 : May 02, 2

FAX: 886-2-2696-2255

Issued Date : May 02, 2007 FCC ID : Q3N-8300WR1

## 1. TEST RESULT

#### 1.1. Radiated Emissions Measurement

#### 1.1.1. Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

## 1.1.2. Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted	100KHz / 100KHz for pook
band)	100KHz / 100KHz for peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

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#### 1.1.3. Test Procedures

1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.

- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and RBW for peak reading. Then 1MHz RBW and 10Hz VBW for average reading in spectrum analyzer.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value.
- 8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

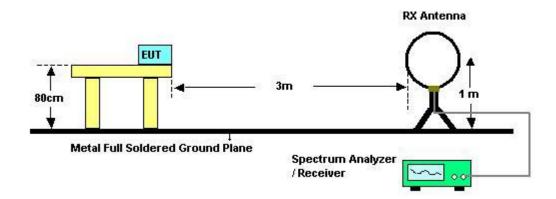
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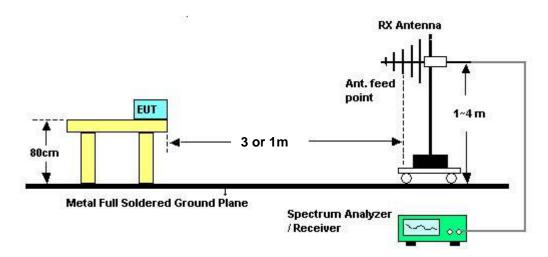
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#### 1.1.4. Test Setup Layout

#### For radiated emissions below 30MHz



#### For radiated emissions above 30MHz



Above 10 GHz shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade form 3m to 1m.

Distance extrapolation factor = 20 log (specific distance [3m] / test distance [1m]) (dB);

Limit line = specific limits (dBuV) + distance extrapolation factor [9.54 dB].

#### 1.1.5. Test Deviation

There is no deviation with the original standard.

## 1.1.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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

Temperature	23	Humidity	52%
Test Engineer	Duncan		

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

#### Note:

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

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

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

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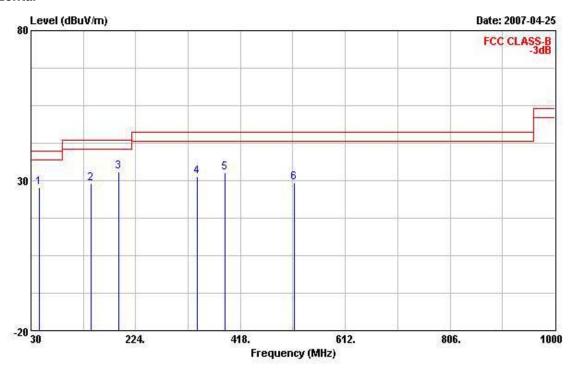
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# 1.1.8. Results of Radiated Emissions (30MHz~1GHz)

Temperature	23	Humidity	52%
Test Engineer	Duncan	Configurations	802.11g CH 6 + RFID Mode

## Horizontal

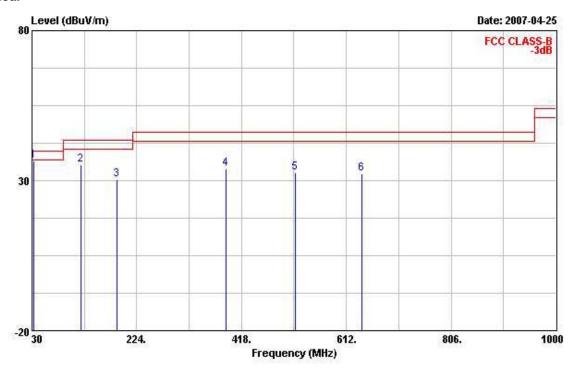


			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limít	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	S <del>.</del>		deg
1	44.550	27.71	-12.29	40.00	41.69	10.51	3.27	27.76	Peak	222	200
2	141.550	29.03	-14.47	43.50	42.75	11.26	2.96	27.93	Peak		200
3	191.990	32.82	-10.68	43.50	48.18	9.29	3.31	27.96	Peak	***	-
4	338.460	31.41	-14.59	46.00	40.95	14.71	4.39	28.64	Peak		5000
5	388.900	32.65	-13.35	46.00	41.44	16.08	4.09	28.96	Peak	<u> </u>	
6	516.940	29.41	-16.59	46.00	35.80	18.52	4.35	29.26	Peak		-

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			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limít	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	St.	- — —	deg
1 @	32.910	36.44	-3.56	40.00	45.16	16.71	2.26	27.69	Peak	2000	
2	121.180	35.32	-8.18	43.50	47.37	12.58	3.20	27.83	Peak	999	
3	187.140	30.39	-13.11	43.50	45.98	9.15	3.16	27.89	Peak		
4	388.900	33.95	-12.05	46.00	42.74	16.08	4.09	28.96	Peak		5000
5	517.910	32.50	-13.50	46.00	38.88	18.55	4.34	29.27	Peak		
6	641.100	32.40	-13.60	46.00	37.69	19.57	4.92	29.78	Peak		

#### Note:

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

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

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

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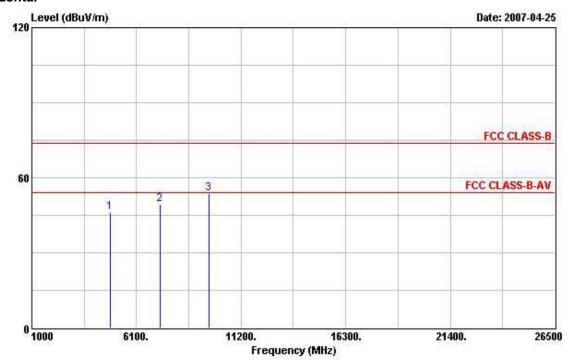
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# 1.1.9. Results for Radiated Emissions (1GHz~10<sup>th</sup> Harmonic)

Temperature	23	Humidity	52%
Test Engineer	Duncan	Configurations	802.11b CH 1 + RFID Mode

## Horizontal

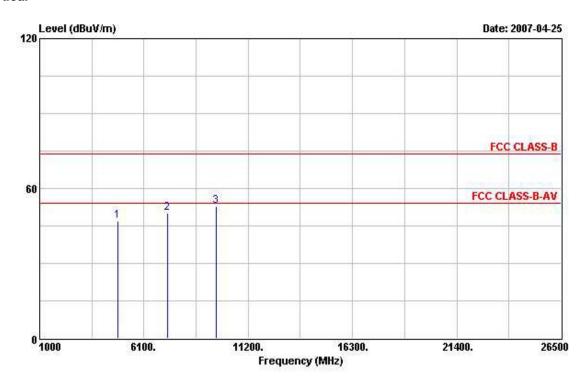


			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	9	cm	deg
1	4824.000	46.02	-27.98	74.00	40.91	33.09	4.35	32.32	PEAK		
2	7240.000	49.43	-24.57	74.00	40.83	35.98	5.18	32.57	PEAK		
3	9652.000	53.50	-20.50	74.00	41.25	38.58	6.48	32.80	PEAK		

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			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	9	cm	deg
1	4828.000	46.95	-27.05	74.00	41.84	33.09	4.35	32.32	PEAK	222	7600
2	7240.000	50.25	-23.75	74.00	41.66	35.98	5.18	32.57	PEAK		
3	9648.000	53.00	-21.00	74.00	40.75	38.58	6.48	32.80	PEAK		

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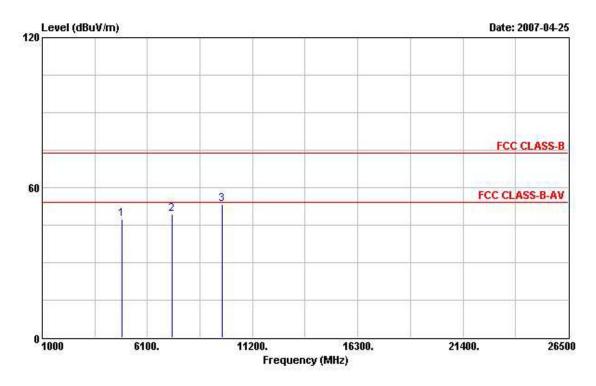
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Temperature	23	Humidity	52%
Test Engineer	Duncan	Configurations	802.11b CH 6 + RFID Mode

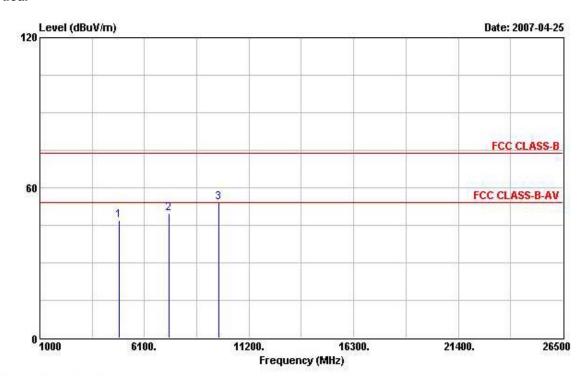


			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	8		deg
1	4874.000	47.43	-26.57	74.00	42.19	33.18	4.36	32.30	PEAK	222	1/2/201
2	7311.000	49.38	-24.62	74.00	40.53	36.14	5.30	32.59	PEAK		
3	9744.000	53.32	-20.68	74.00	40.80	38.73	6.58	32.80	PEAK	***	

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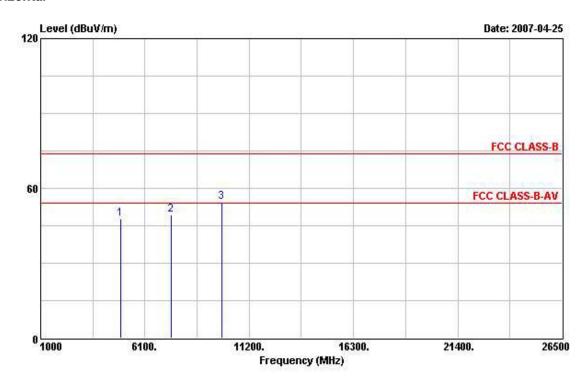
			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	Ş.	cm	deg
1	4874.000	47.09	-26.91	74.00	41.85	33.18	4.36	32.30	PEAK	222	
2	7311.000	49.57	-24.43	74.00	40.72	36.14	5.30	32.59	PEAK		
3	9744.000	53.92	-20.08	74.00	41.40	38.73	6.58	32.80	PEAK		

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Temperature	23	Humidity	52%
Test Engineer	Duncan	Configurations	802.11b CH 11 + RFID Mode

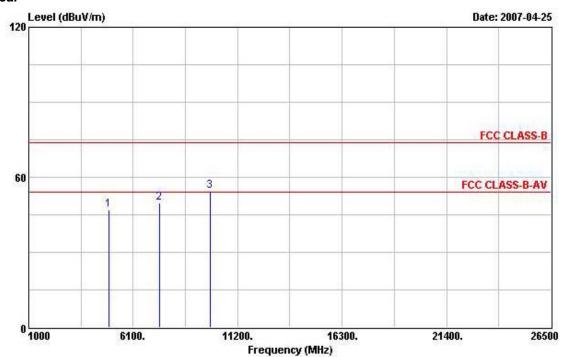


			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	9		deg
1	4924.000	47.80	-26.20	74.00	42.40	33.28	4.40	32.28	PEAK	222	7500
2	7386.000	49.16	-24.84	74.00	40.02	36.35	5.41	32.63	PEAK		
3	9852.000	54.42	-19.58	74.00	41.52	38.95	6.74	32.79	PEAK		

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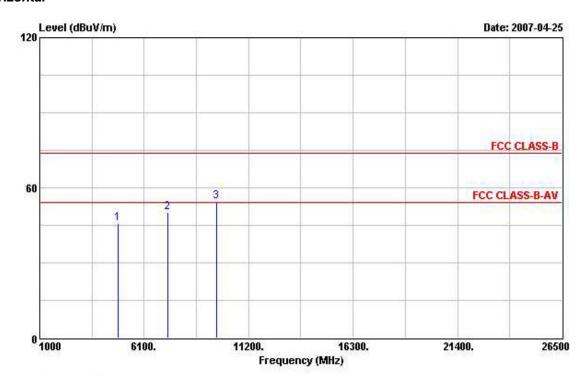
			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		cm	deg
1	4924.000	46.82	-27.18	74.00	41.43	33.28	4.40	32.28	PEAK		
2	7390.000	49.75	-24.25	74.00	40.63	36.35	5.41	32.65	PEAK		-44
3	9848.000	54.44	-19.56	74.00	41.57	38.92	6.74	32.79	PEAK	+++	

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Temperature	23	Humidity	52%
Test Engineer	Duncan	Configurations	802.11g CH 1 + RFID Mode

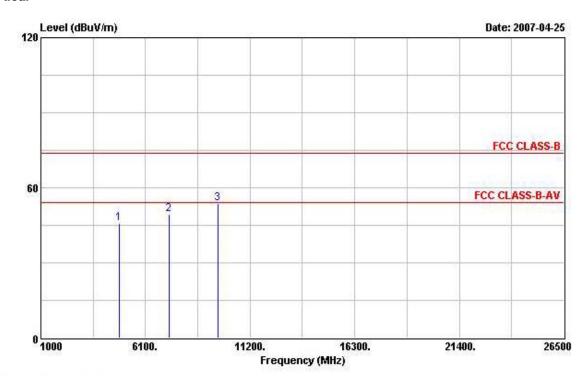


			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	$\overline{\mathtt{dBuV/m}}$	dB	dBuV/m	dBuV	dB/m	dB	dB	9	cm	deg
1	4824.000	45.85	-28.15	74.00	40.74	33.09	4.35	32.32	PEAK		
2	7232.000	49.96	-24.04	74.00	41.35	35.98	5.18	32.55	PEAK		
3	9652.000	54.44	-19.56	74.00	42.18	38.58	6.48	32.80	PEAK	777	<b>STATE</b>

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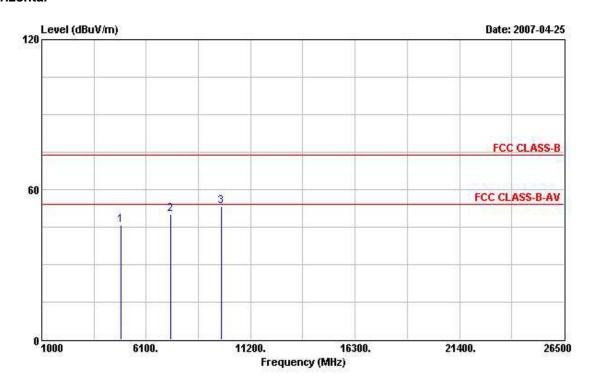
			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	÷	cm	deg
1	4820.000	45.82	-28.18	74.00	40.70	33.09	4.35	32.32	PEAK		
2	7240.000	49.53	-24.47	74.00	40.93	35.98	5.18	32.57	PEAK		
3	9648.000	53.74	-20.26	74.00	41.48	38.58	6.48	32.80	PEAK		

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Temperature	23	Humidity	52%
Test Engineer	Duncan	Configurations	802.11g CH 6 + RFID Mode

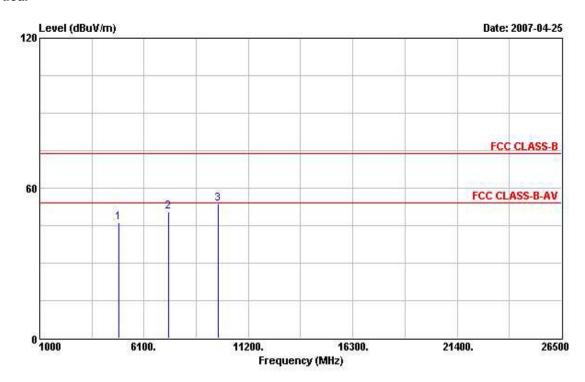


			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	S <del>r</del>	CIM	deg
1	4878.000	45.68	-28.32	74.00	40.44	33.18	4.36	32.30	PEAK	222	0.00
2	7311.000	50.09	-23.91	74.00	41.24	36.14	5.30	32.59	PEAK		222
3	9752.000	53.46	-20.54	74.00	40.91	38.77	6.58	32.80	Peak	777	355

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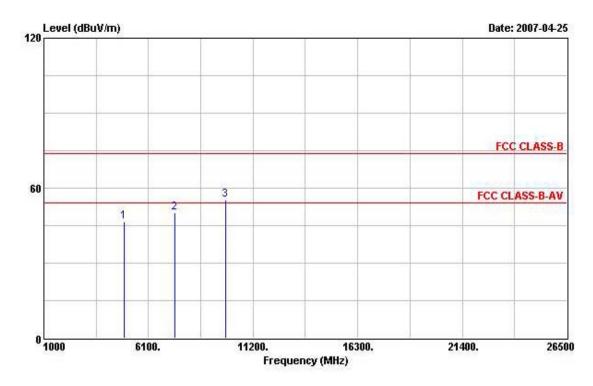
			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	S <del>.</del>	cm	deg
1	4874.000	46.26	-27.74	74.00	41.02	33.18	4.36	32.30	PEAK	222	7800E
2	7311.000	50.54	-23.46	74.00	41.69	36.14	5.30	32.59	PEAK		
3	9744.000	53.62	-20.38	74.00	41.10	38.73	6.58	32.80	PEAK		

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Test Engineer	Duncan	Configurations	802.11g CH 11 + RFID Mode

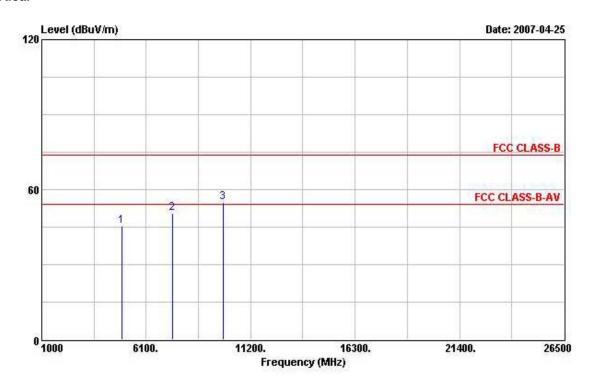


			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line dBuV/m	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB		dBuV	dB/m	B/m dB	dB	-	cm	deg
1	4920.000	46.75	-27.25	74.00	41.36	33.28	4.40	32.28	PEAK		
2	7386.000	50.31	-23.69	74.00	41.17	36.35	5.41	32.63	PEAK		
3	9848.000	55.10	-18.90	74.00	42.23	38.92	6.74	32.79	PEAK		

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			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit		ne Level I	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB			dB/m	dB	dB			deg
1	4920.000	45.58	-28.42	74.00	40.18	33.28	4.40	32.28	PEAK		
2	7386.000	50.66	-23.34	74.00	41.53	36.35	5.41	32.63	PEAK		
3	9848.000	55.03	-18.97	74.00	42.16	38.92	6.74	32.79	PEAK		

#### Note:

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

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

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

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## 1.2. Band Edge Emissions Measurement

#### 1.2.1. Limit

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance			
(MHz)	(micorvolts/meter)	(meters)			
0.009~0.490	2400/F(KHz)	300			
0.490~1.705	24000/F(KHz)	30			
1.705~30.0	30	30			
30~88	100	3			
88~216	150	3			
216~960	200	3			
Above 960	500	3			

#### 1.2.2. Measuring Instruments and Setting

Please refer to section 4 of equipments list in this report. The following table is the setting of the spectrum analyzer.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	100 MHz
RB / VB (Emission in restricted band)	1MHz / 1MHz for Peak, 1 MHz / 10Hz for Average
RB / VB (Emission in non-restricted band)	100 KHz /100 KHz for Peak

#### 1.2.3. Test Procedures

- 1. The test procedure is the same as section 3.5.3, only the frequency range investigated is limited to 100MHz around bandedges.
- 2. In case the emission is fail due to the used RB/VB is too wide, marker-delta method of FCC Public Notice DA00-705 will be followed.

## 1.2.4. Test Setup Layout

This test setup layout is the same as that shown in section 3.5.4.

#### 1.2.5. Test Deviation

There is no deviation with the original standard.

### 1.2.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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## 1.2.7. Test Result of Band Edge and Fundamental Emissions

Temperature	28	Humidity	58%
Test Engineer	Murahy	Configurations	802.11b CH 1, 6, 11 +
	Murphy	Configurations	RFID Mode

#### Channel 1

			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	BuV/m dB dBuV/m dBuV dB/m	dB	dB	9	cm -	deg			
1	2390.000	55.71	-18.29	74.00	24.59	28.29	2.82	0.00	Peak		
2 0	2413.170	103.41			72.26	28.33	2.82	0.00	Peak	222	
1	2390.000	44.37	-9.63	54.00	13.25	28.29	2.82	0.00	Average	0.000	10000
2 0	2413.170	95.24			64.09	28.33	2.82	0.00	Average		

#### **Channel 6**

			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	- The state of the	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB		- cm	
1 @	2438.250	103.46			72.22	28.40	2.85	0.00	Peak	444	
1 @	2437.300	95.30			64.06	28.40	2.85	0.00	Average		

## **Channel 11**

		Freq	Level				Antenna Factor				Ant Pos	Table Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	m dB	dB	· · · · · ·		deg
1	0	2463.330	103.69			72.39	28.43	2.87	0.00	Peak	2225	222
		2483.500	56.14	-17.86	74.00	24.80	28.47	2.87	0.00	Peak		
1	@	2463.330	95.53			64.23	28.43	2.87	0.00	Average	2000000	Medical Control

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Temperature	28	Humidity	58%					
Test Engineer	Murahy	Configurations	802.11g CH 1, 6, 11					
	Murphy	Configurations	+ RFID Mode					

#### **Channel 1**

				0ver	Limit	Readi	Intenna	Cable	Preamp		Ant	Table
		Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos ————————————————————————————————————	Pos
		MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB/m dB	dB			deg
1		2390.000	55.64	-18.36	74.00	24.52	28.29	2.82	0.00	Peak		
2	@	2405.570	97.12			65.97	28.33	2.82	0.00	Peak		
1		2390.000	44.28	-9.72	54.00	13.16	28.29	2.82	0.00	Average		
	0	2405.570	87.76			56.61	28.33	2.82	0.00	Average		

## Channel 6

			0ver	Limit	Read	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	-		deg
1 @	2432.930	97.57			66.36	28.36	2.85	0.00	Peak		
1 @	2432.930	88.19			56.98	28.36	2.85	0.00	Average		

## **Channel 11**

			0ver	Limit	Readi	Antenna	Cable	Preamp		Ant	Table
	Freq	Level	Limit	Line	Level	Factor	Loss	Factor	Remark	Pos	Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB/m dB	dB	¥		deg
1 @	2459.340	97.96			66.68	28.43	2.85	0.00	Peak	444	10000
2	2483.500	55.84	-18.16	74.00	24.50	28.47	2.87	0.00	Peak		
1 @	2459.340	88.55			57.27	28.43	2.85	0.00	Average	2000	WE CALL
2	2483.500	44.53	-9.47	54.00	13.19	28.47	2.87	0.00	Average		

#### Note:

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

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

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# 2. LIST OF MEASURING EQUIPMENTS

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30 MHz - 1 GHz 3m	Jun. 15, 2006	Radiation (03CH03-HY)
Amplifier	SCHAFFNER	CPA9231A	1886	9 kHz - 2 GHz	Jan. 22, 2007	Radiation (03CH03-HY)
Amplifier	Agilent	8449B	3008A02120	1 GHz - 26.5 GHz	May 29, 2006	Radiation (03CH03-HY)
Spectrum Analyzer	R&S	FSP40	100004/040	9 kHz - 40 GHz	Sep. 21, 2006	Radiation (03CH03-HY)
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30 MHz – 1 GHz	Jul. 24, 2006	Radiation (03CH03-HY)
Horn Antenna	EMCO	3115	6903	1GHz ~ 18GHz	Apr. 17, 2007	Radiation (03CH03-HY)
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15 GHz - 40 GHz	NCR	Radiation (03CH03-HY)
RF Cable-R03m	Jye Bao	RG142	CB021	30 MHz - 1 GHz	Dec. 02, 2006	Radiation (03CH03-HY)
RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	1 GHz - 40 GHz	Dec. 02, 2006	Radiation (03CH03-HY)
Turn Table	HD	DS 420	420/650/00	0 – 360 degree	N/A	Radiation (03CH03-HY)
Antenna Mast	HD	MA 240	240/560/00	1 m - 4 m	N/A	Radiation (03CH03-HY)

Note: Calibration Interval of instruments listed above is one year. NCR: Non-Calibration required.

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Remark
Amplifier	MITEQ	AMF-6F-260400	923364	26.5 GHz - 40 GHz	Jan. 22, 2007*	Radiation (03CH03-HY)
Loop Antenna	R&S	HFH2-Z2	860004/001	9 kHz - 30 MHz	May 23, 2006*	Radiation (03CH03-HY)

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

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# 3. TEST LOCATION

SHIJR	ADD	:	6Fl., No. 106, Sec. 1, Shintai 5th Rd., Shijr City, Taipei, Taiwan 221, R.O.C.
	TEL	:	886-2-2696-2468
	FAX	:	886-2-2696-2255
HWA YA	ADD	:	No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C.
	TEL	:	886-3-327-3456
	FAX	:	886-3-318-0055
LINKOU	ADD	:	No. 30-2, Dingfu Tsuen, Linkou Shiang, Taipei, Taiwan 244, R.O.C
	TEL	:	886-2-2601-1640
	FAX	:	886-2-2601-1695
DUNGHU	ADD	:	No. 3, Lane 238, Kangle St., Neihu Chiu, Taipei, Taiwan 114, R.O.C.
	TEL	:	886-2-2631-4739
	FAX	:	886-2-2631-9740
JUNGHE	ADD	:	7FI., No. 758, Jungjeng Rd., Junghe City, Taipei, Taiwan 235, R.O.C.
	TEL	:	886-2-8227-2020
	FAX	:	886-2-8227-2626
NEIHU	ADD	:	4Fl., No. 339, Hsin Hu 2 <sup>nd</sup> Rd., Taipei 114, Taiwan, R.O.C.
	TEL	:	886-2-2794-8886
	FAX	:	886-2-2794-9777
JHUBEI	ADD	:	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
	TEL	:	886-3-656-9065
	FAX	:	886-3-656-9085

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