

FCC TEST REPORT

Report Reference No. : 1006015

Compiled by (+ signature)..... Pauler Li

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Date of issue : 2010.06.25

Total number of pages..... 17

Applicant's name : DESAY A&V SCIENCE AND TECHNOLOGY CO.,LTD

Address : Desay 3rd Industry Zone,Chenjiang Town Huizhou City Guangdong
516229 China

Manufacture's Name : DESAY A&V SCIENCE AND TECHNOLOGY CO.,LTD

Address : Desay 3rd Industry Zone,Chenjiang Town Huizhou City Guangdong
516229 China

Test specification:

Standards..... : FCC Part15 subpart C

Test procedure : FCC

Non-standard test method..... : N/A

Test item description

Product name..... : BLU-RAY DISC PLAYER

Trademark : VAZIO, DESAY

Model and/or type reference : VBR210, VBRXXXXX

Rating(s)..... : 110V-120V ~ 50/60Hz 15W

Testing Laboratory information:

Testing Laboratory Name : I-Test Laboratory

FCC register number : 935596

Address : 1-2 floor, South Block, Building A2 , No 3 Keyan Lu, Science City,
Guangzhou, Guangdong Province, P.R. China

Testing location : Same as above

Radiated Spurious Emissions Test Results

Test item description	: BLU-RAY DISC PLAYER
Trade Mark	: /
Model/Type reference.....	: VBR210
Listed Models	: VBRXXXXX
Difference description.....	: /
Power Supply.....	: AC 120V/60Hz
Result.....	: Positive
FCC ID	: XJGDS0001

RADIATED EMISSION TEST (ABOVE 1 GHz):

- Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, and antenna ports (if EUT with antenna diversity architecture).
- Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A	802.11b	1 to 11	1, 6, 11	DSSS	DBPSK	1
A	802.11g	1 to 11	1, 6, 11	OFDM	BPSK	6
A	Draft 802.11n (20MHz)	1 to 11	1, 6, 11	OFDM	BPSK	7.2
A	Draft 802.11n (40MHz)	1 to 7	1, 4, 7	OFDM	BPSK	15

Eleven channels are provided for 802.11b, 802.11g and draft 802.11n (20MHz):

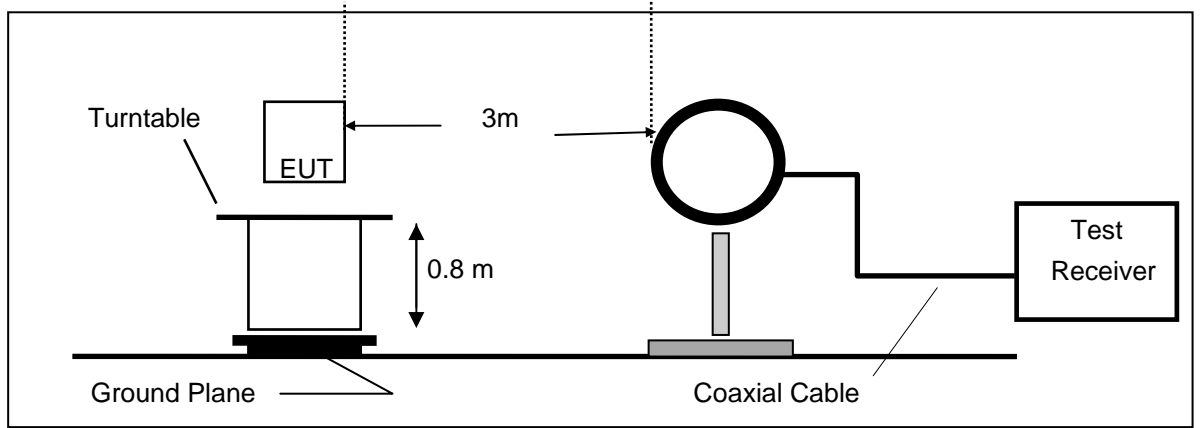
CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2412MHz	7	2442MHz
2	2417MHz	8	2447MHz
3	2422MHz	9	2452MHz
4	2427MHz	10	2457MHz
5	2432MHz	11	2462MHz
6	2437MHz		

Seven channels are provided for draft 802.11n (40MHz):

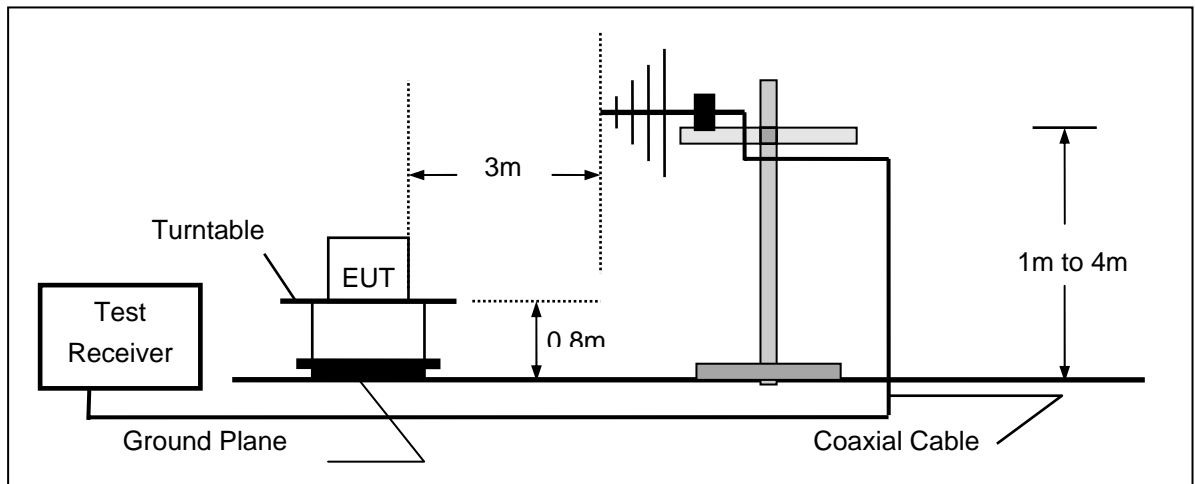
CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
1	2422MHz	5	2442MHz
2	2427MHz	6	2447MHz
3	2432MHz	7	2452MHz
4	2437MHz		

TEST CONFIGURATION

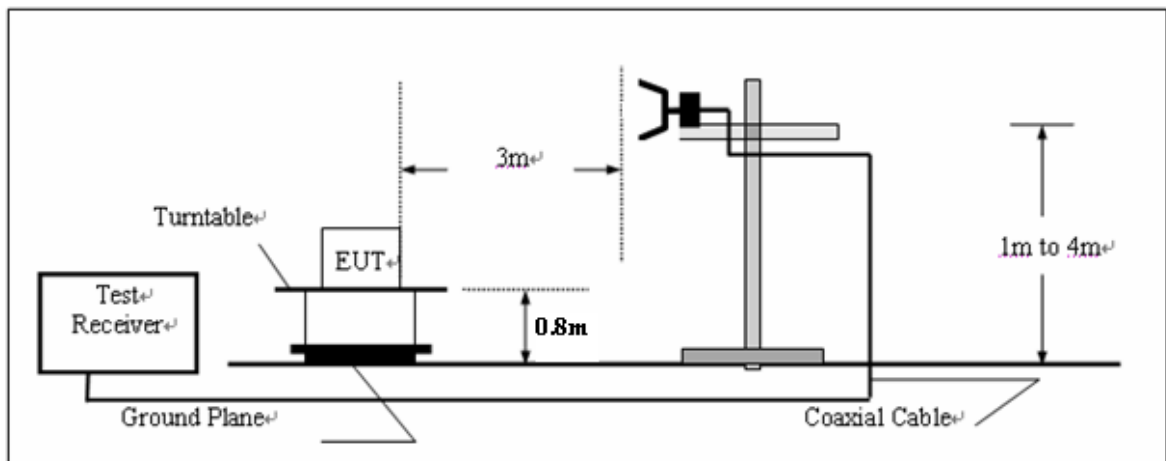
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



Test procedures

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor(if any) from the measured reading. The basic equation with a sample calculation is as follows:

$$FS = RA + AF + CL - AG$$

Where	FS = Field Strength	CL = Cable Attenuation Factor (Cable Loss)
	RA = Reading Amplitude	AG = Amplifier Gain
	AF = Antenna Factor	

RADIATION LIMIT

For unintentional device, according to § 15.109(a), except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emissions from intentional radiators at a distance of 3 meters shall not exceed the above table.

Radiation Test Result**802.11b CH1:**

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1266.67	V	51.64	---	-9.47	42.17	---	74.00	54.00	-11.83	Peak
1403.33	V	51.98	---	-8.84	43.14	---	74.00	54.00	-10.86	Peak
1863.33	V	51.98	---	-6.31	45.67	---	74.00	54.00	-8.33	Peak
2463.33	V	50.22	---	-4.48	45.73	---	74.00	54.00	-8.27	Peak
4091.67	V	43.83	---	1.18	45.00	---	74.00	54.00	-9.00	Peak
6150.00	V	42.03	---	4.28	46.30	---	74.00	54.00	-7.70	Peak
7641.67	V	42.22	---	7.10	49.33	---	74.00	54.00	-4.67	Peak
1306.67	H	51.20	---	-9.28	41.92	---	74.00	54.00	-12.08	Peak
1590.00	H	50.62	---	-7.88	42.74	---	74.00	54.00	-11.26	Peak
2290.00	H	51.49	---	-4.87	46.61	---	74.00	54.00	-7.39	Peak
2573.33	H	50.46	---	-4.06	46.40	---	74.00	54.00	-7.60	Peak
4850.00	H	42.00	---	1.96	43.96	---	74.00	54.00	-10.04	Peak
7558.33	H	41.72	---	7.12	48.84	---	74.00	54.00	-5.16	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

802.11g CH1:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1396.67	V	53.97	---	-8.87	45.10	---	74.00	54.00	-8.90	Peak
1526.67	V	51.57	---	-8.24	43.33	---	74.00	54.00	-10.67	Peak
2036.67	V	50.22	---	-5.45	44.78	---	74.00	54.00	-9.22	Peak
2123.33	V	50.26	---	-5.25	45.01	---	74.00	54.00	-8.99	Peak
2610.00	V	50.04	---	-3.89	46.15	---	74.00	54.00	-7.85	Peak
4225.00	V	43.43	---	1.10	44.53	---	74.00	54.00	-9.47	Peak
5633.33	V	41.87	---	3.60	45.48	---	74.00	54.00	-8.52	Peak
7458.33	V	42.29	---	7.02	49.31	---	74.00	54.00	-4.69	Peak
1860.00	H	50.34	---	-6.33	44.01	---	74.00	54.00	-9.99	Peak
2163.33	H	50.42	---	-5.16	45.26	---	74.00	54.00	-8.74	Peak
2780.00	H	49.17	---	-3.11	46.06	---	74.00	54.00	-7.94	Peak
4983.33	H	41.78	---	2.35	44.13	---	74.00	54.00	-9.87	Peak
5908.33	H	41.20	---	4.08	45.28	---	74.00	54.00	-8.72	Peak
7158.33	H	41.50	---	6.21	47.72	---	74.00	54.00	-6.28	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

802.11n(20M) CH1:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1263.33	V	52.15	---	-9.48	42.67	---	74.00	54.00	-11.33	Peak
1870.00	V	50.61	---	-6.27	44.34	---	74.00	54.00	-9.66	Peak
1930.00	V	50.43	---	-5.93	44.50	---	74.00	54.00	-9.50	Peak
2630.00	V	50.53	---	-3.80	46.73	---	74.00	54.00	-7.27	Peak
4825.00	V	42.99	---	1.89	44.88	---	74.00	54.00	-9.12	Peak
5866.67	V	41.80	---	4.01	45.81	---	74.00	54.00	-8.19	Peak
6175.00	V	41.86	---	4.28	46.14	---	74.00	54.00	-7.86	Peak
7450.00	V	41.45	---	7.00	48.44	---	74.00	54.00	-5.56	Peak
1210.00	H	51.42	---	-9.73	41.69	---	74.00	54.00	-12.31	Peak
2163.33	H	50.05	---	-5.16	44.89	---	74.00	54.00	-9.11	Peak
2570.00	H	50.45	---	-4.08	46.37	---	74.00	54.00	-7.63	Peak
5333.33	H	41.54	---	3.05	44.58	---	74.00	54.00	-9.42	Peak
6166.67	H	41.57	---	4.28	45.85	---	74.00	54.00	-8.15	Peak
7733.33	H	42.28	---	7.08	49.36	---	74.00	54.00	-4.64	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

802.11n(40M) CH3:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1396.67	V	53.90	---	-8.87	45.03	---	74.00	54.00	-8.97	Peak
1860.00	V	53.57	---	-6.33	47.24	---	74.00	54.00	-6.76	Peak
2886.67	V	49.82	---	-2.62	47.20	---	74.00	54.00	-6.80	Peak
3541.67	V	43.67	---	-0.47	43.20	---	74.00	54.00	-10.80	Peak
5116.67	V	42.68	---	2.63	45.30	---	74.00	54.00	-8.70	Peak
N/A										
1750.00	H	54.73	---	-6.96	47.77	---	74.00	54.00	-6.23	Peak
2170.00	H	50.02	---	-5.15	44.88	---	74.00	54.00	-9.12	Peak
2776.67	H	49.00	---	-3.13	45.88	---	74.00	54.00	-8.12	Peak
4975.00	H	41.57	---	2.33	43.90	---	74.00	54.00	-10.10	Peak
7425.00	H	41.30	---	6.93	48.23	---	74.00	54.00	-5.77	Peak
N/A										

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

802.11b CH6:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1266.67	V	51.81	---	-9.47	42.34	---	74.00	54.00	-11.66	Peak
1476.67	V	51.79	---	-8.50	43.29	---	74.00	54.00	-10.71	Peak
1856.67	V	51.95	---	-6.35	45.60	---	74.00	54.00	-8.40	Peak
2773.33	V	49.31	---	-3.14	46.17	---	74.00	54.00	-7.83	Peak
5616.67	V	41.98	---	3.57	45.56	---	74.00	54.00	-8.44	Peak
6233.33	V	41.84	---	4.30	46.13	---	74.00	54.00	-7.87	Peak
7708.33	V	42.31	---	7.09	49.40	---	74.00	54.00	-4.60	Peak
1566.67	H	51.07	---	-8.01	43.06	---	74.00	54.00	-10.94	Peak
2316.67	H	50.85	---	-4.81	46.03	---	74.00	54.00	-7.97	Peak
2583.33	H	49.86	---	-4.02	45.84	---	74.00	54.00	-8.16	Peak
6133.33	H	44.19	---	4.27	48.46	---	74.00	54.00	-5.54	Peak
6841.67	H	42.37	---	5.34	47.71	---	74.00	54.00	-6.29	Peak
N/A										

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

802.11g CH6:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1533.33	V	52.67	---	-8.20	44.47	---	74.00	54.00	-9.53	Peak
1860.00	V	51.87	---	-6.33	45.54	---	74.00	54.00	-8.46	Peak
1983.33	V	50.01	---	-5.63	44.38	---	74.00	54.00	-9.62	Peak
2736.67	V	49.67	---	-3.31	46.36	---	74.00	54.00	-7.64	Peak
5741.67	V	41.44	---	3.79	45.23	---	74.00	54.00	-8.77	Peak
7075.00	V	40.72	---	5.99	46.71	---	74.00	54.00	-7.29	Peak
7691.67	V	42.79	---	7.09	49.88	---	74.00	54.00	-4.12	Peak
1823.33	H	50.17	---	-6.54	43.63	---	74.00	54.00	-10.37	Peak
2243.33	H	50.29	---	-4.98	45.31	---	74.00	54.00	-8.69	Peak
2316.67	H	50.32	---	-4.81	45.50	---	74.00	54.00	-8.50	Peak
5483.33	H	41.00	---	3.34	44.34	---	74.00	54.00	-9.66	Peak
6941.67	H	41.40	---	5.62	47.02	---	74.00	54.00	-6.98	Peak
7716.67	H	41.99	---	7.09	49.08	---	74.00	54.00	-4.92	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

802.11n(20M) CH6:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1396.67	V	52.55	---	-8.87	43.68	---	74.00	54.00	-10.32	Peak
1860.00	V	50.67	---	-6.33	44.34	---	74.00	54.00	-9.66	Peak
2163.33	V	50.05	---	-5.16	44.89	---	74.00	54.00	-9.11	Peak
2660.00	V	49.97	---	-3.66	46.31	---	74.00	54.00	-7.69	Peak
3950.00	V	42.42	---	1.04	43.46	---	74.00	54.00	-10.54	Peak
5191.67	V	42.08	---	2.77	44.86	---	74.00	54.00	-9.14	Peak
7291.67	V	41.35	---	6.57	47.93	---	74.00	54.00	-6.07	Peak
1293.33	H	51.16	---	-9.34	41.81	---	74.00	54.00	-12.19	Peak
2153.33	H	49.65	---	-5.18	44.47	---	74.00	54.00	-9.53	Peak
2686.67	H	49.35	---	-3.54	45.81	---	74.00	54.00	-8.19	Peak
5075.00	H	41.94	---	2.55	44.48	---	74.00	54.00	-9.52	Peak
6533.33	H	41.63	---	4.46	46.09	---	74.00	54.00	-7.91	Peak
7266.67	H	41.07	---	6.50	47.57	---	74.00	54.00	-6.43	Peak

Remark:

1. *Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.*
2. *Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.*
3. *Average test would be performed if the peak result were greater than the average limit or as required by the applicant.*
4. *Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.*
5. *Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.*
6. *Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).*

802.11n(40M) CH6:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1126.67	V	53.14	---	-10.11	43.03	---	74.00	54.00	-10.97	Peak
1530.00	V	51.26	---	-8.22	43.04	---	74.00	54.00	-10.96	Peak
1866.67	V	52.08	---	-6.29	45.78	---	74.00	54.00	-8.22	Peak
2123.33	V	52.97	---	-5.25	47.72	---	74.00	54.00	-6.28	Peak
2746.67	V	49.12	---	-3.27	45.85	---	74.00	54.00	-8.15	Peak
3716.67	V	43.97	---	0.18	44.15	---	74.00	54.00	-9.85	Peak
5683.33	V	41.39	---	3.69	45.08	---	74.00	54.00	-8.92	Peak
7033.33	V	41.78	---	5.88	47.66	---	74.00	54.00	-6.34	Peak
1746.67	H	50.03	---	-6.98	43.05	---	74.00	54.00	-10.95	Peak
2246.67	H	49.50	---	-4.97	44.53	---	74.00	54.00	-9.47	Peak
2683.33	H	49.65	---	-3.56	46.10	---	74.00	54.00	-7.90	Peak
2943.33	H	48.92	---	-2.36	46.56	---	74.00	54.00	-7.44	Peak
5866.67	H	41.82	---	4.01	45.83	---	74.00	54.00	-8.17	Peak
7408.33	H	41.29	---	6.88	48.17	---	74.00	54.00	-5.83	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

802.11b CH11:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1893.33	V	50.54	---	-6.14	44.40	---	74.00	54.00	-9.60	Peak
2203.33	V	49.44	---	-5.07	44.37	---	74.00	54.00	-9.63	Peak
2740.00	V	48.64	---	-3.30	45.35	---	74.00	54.00	-8.65	Peak
4933.33	V	41.85	---	2.20	44.05	---	74.00	54.00	-9.95	Peak
6141.67	V	41.42	---	4.27	45.69	---	74.00	54.00	-8.31	Peak
7658.33	V	41.82	---	7.10	48.92	---	74.00	54.00	-5.08	Peak
1146.67	H	51.89	---	-10.02	41.86	---	74.00	54.00	-12.14	Peak
1933.33	H	50.01	---	-5.91	44.10	---	74.00	54.00	-9.90	Peak
2340.00	H	51.00	---	-4.76	46.24	---	74.00	54.00	-7.76	Peak
2853.33	H	49.45	---	-2.77	46.68	---	74.00	54.00	-7.32	Peak
5650.00	H	41.77	---	3.63	45.40	---	74.00	54.00	-8.60	Peak
6541.67	H	41.94	---	4.48	46.42	---	74.00	54.00	-7.58	Peak
7791.67	H	41.44	---	7.07	48.51	---	74.00	54.00	-5.49	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

802.11g CH11:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1396.67	V	52.36	---	-8.87	43.49	---	74.00	54.00	-10.51	Peak
1636.67	V	52.06	---	-7.61	44.45	---	74.00	54.00	-9.55	Peak
1863.33	V	52.57	---	-6.31	46.26	---	74.00	54.00	-7.74	Peak
2840.00	V	49.91	---	-2.84	47.08	---	74.00	54.00	-6.92	Peak
5466.67	V	42.19	---	3.31	45.50	---	74.00	54.00	-8.50	Peak
6216.67	V	41.90	---	4.29	46.19	---	74.00	54.00	-7.81	Peak
7008.33	V	41.96	---	5.81	47.78	---	74.00	54.00	-6.22	Peak
1540.00	H	51.04	---	-8.16	42.88	---	74.00	54.00	-11.12	Peak
1723.33	H	50.39	---	-7.11	43.28	---	74.00	54.00	-10.72	Peak
2326.67	H	50.96	---	-4.79	46.17	---	74.00	54.00	-7.83	Peak
2853.33	H	49.00	---	-2.77	46.22	---	74.00	54.00	-7.78	Peak
4791.67	H	43.56	---	1.79	45.35	---	74.00	54.00	-8.65	Peak
5441.67	H	42.06	---	3.26	45.31	---	74.00	54.00	-8.69	Peak
6908.33	H	42.48	---	5.53	48.00	---	74.00	54.00	-6.00	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

802.11n(20M) CH9:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1126.67	V	54.43	---	-10.11	44.32	---	74.00	54.00	-9.68	Peak
1386.67	V	51.02	---	-8.91	42.11	---	74.00	54.00	-11.89	Peak
1990.00	V	51.02	---	-5.59	45.43	---	74.00	54.00	-8.57	Peak
2696.67	V	49.62	---	-3.50	46.13	---	74.00	54.00	-7.87	Peak
3983.33	V	42.17	---	1.17	43.34	---	74.00	54.00	-10.66	Peak
5258.33	V	41.57	---	2.90	44.47	---	74.00	54.00	-9.53	Peak
6875.00	V	40.74	---	5.43	46.18	---	74.00	54.00	-7.82	Peak
1123.33	H	51.41	---	-10.13	41.28	---	74.00	54.00	-12.72	Peak
1436.67	H	51.27	---	-8.68	42.59	---	74.00	54.00	-11.41	Peak
1996.67	H	49.92	---	-5.55	44.37	---	74.00	54.00	-9.63	Peak
2896.67	H	49.16	---	-2.58	46.59	---	74.00	54.00	-7.41	Peak
N/A										

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

802.11n(40M) CH9:

Frequency (MHz)	Ant. Pol. (H/V)	Reading (Peak) (dBuV)	Reading (Average) (dBuV)	Correction Factor (dB/m)	Result (Peak) (dBuV/m)	Result (Average) (dBuV/m)	Limit (Peak) (dBuV/m)	Limit (Average) (dBuV/m)	Margin (dB)	Remark
1740.00	V	50.97	---	-7.02	43.95	---	74.00	54.00	-10.05	Peak
1873.33	V	51.87	---	-6.25	45.62	---	74.00	54.00	-8.38	Peak
2240.00	V	50.70	---	-4.99	45.72	---	74.00	54.00	-8.28	Peak
2743.33	V	49.05	---	-3.28	45.77	---	74.00	54.00	-8.23	Peak
3808.33	V	42.52	---	0.52	43.04	---	74.00	54.00	-10.96	Peak
7158.33	V	41.58	---	6.21	47.79	---	74.00	54.00	-6.21	Peak
2006.67	H	49.58	---	-5.51	44.07	---	74.00	54.00	-9.93	Peak
2196.67	H	49.88	---	-5.09	44.80	---	74.00	54.00	-9.20	Peak
2780.00	H	49.49	---	-3.11	46.38	---	74.00	54.00	-7.62	Peak
4191.67	H	41.89	---	1.12	43.01	---	74.00	54.00	-10.99	Peak
5441.67	H	41.55	---	3.26	44.81	---	74.00	54.00	-9.19	Peak
6841.67	H	42.26	---	5.34	47.60	---	74.00	54.00	-6.40	Peak

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).