



## 5. Test of Radiated Emission

### 5.1 Test Limit

Radiated emissions from 30 MHz to 25 GHz were measured according to the methods defines in ANSI C63.4-2003. The EUT was placed, 0.8 meter above the ground plane, as shown in section 5.6.3. The interface cables and equipment positions were varied within limits of reasonable applications to determine the positions producing maximum radiated emissions

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 ( $\mu$ V / M)	Radiated (dB $\mu$ V/ M)
30-88	3	100	40.0
88-216	3	150	43.5
216-960	3	200	46.0
Above 960	3	500	54.0

For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

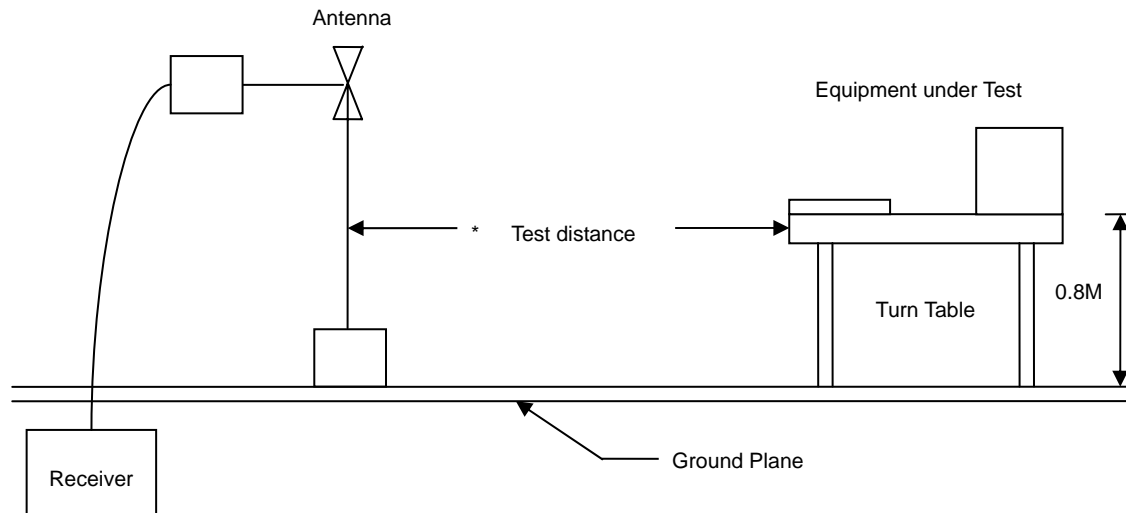
Frequency (MHz)	Distance Meters	Radiated (dB $\mu$ V/ M)
30-230	10	30
230-1000	10	37

### 5.2 Test Procedures

- The EUT was placed on a rotatable table top 0.8 meter above ground.
- The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- The table was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- 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 which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- 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 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.



### 5.3 Typical Test Setup



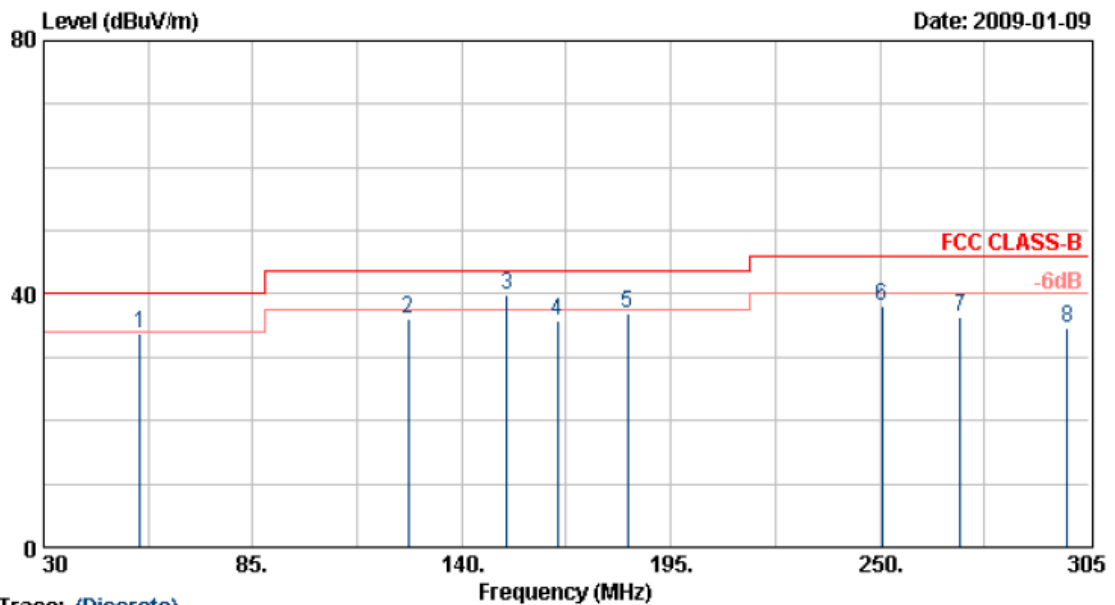
### 5.4 Measurement equipment

Instrument/Ancillary	Model No.	Manufacturer	Serial No.	Calibration Date	Valid Date
Bilog Antenna	CBL6112B	Schaffner	2840	2008/05/15	2009/05/14
Signal Generator	8648B	HP	3629U00612	2008/10/08	2009/10/07
Amplifier	8447D	Agilent	2944A10593	2008/05/26	2009/05/25
EMI Receiver	8546A	HP	3807A00454	2008/08/07	2009/08/06
RF Filter Section	85460A	HP	3704A00386	2008/08/07	2009/08/06
AC Power Converter	AFC-11005	APC	F103120008	N/A	N/A



## 5.5 Test Result and Data

Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6 Mbps



Trace: (Discrete)

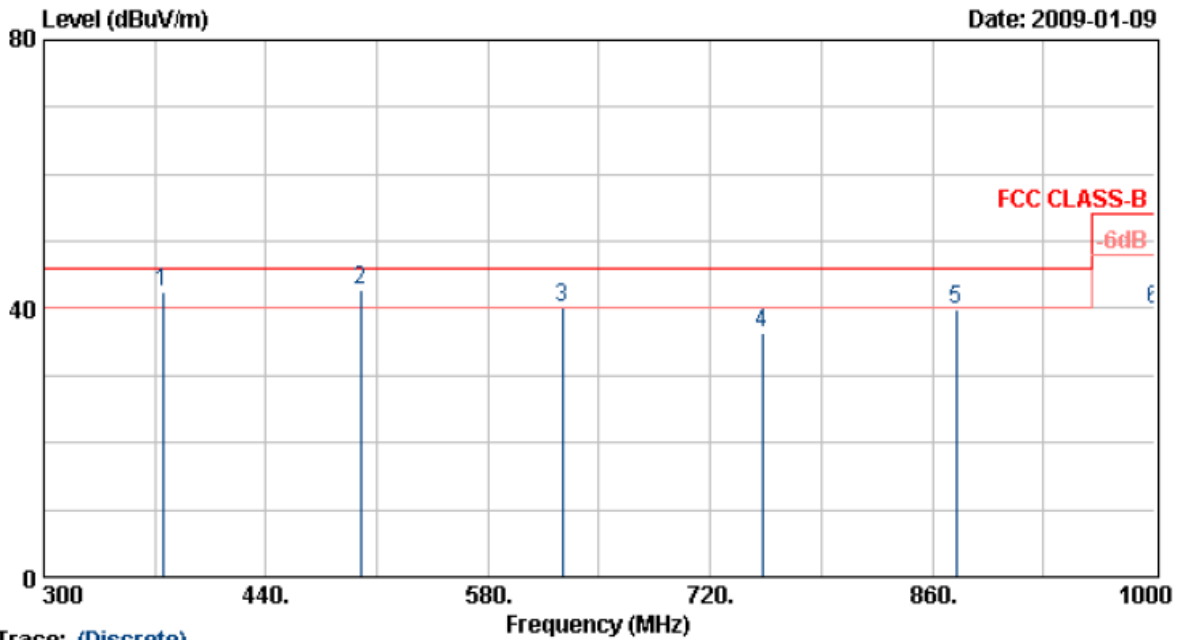
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	55.30	49.71	-15.95	33.76	40.00	-6.24	Peak	100	100
2	125.98	49.64	-13.65	35.99	43.50	-7.51	Peak	100	92
3	151.80	52.00	-12.14	39.86	43.50	-3.64	QP	100	92
4	165.30	48.97	-13.12	35.85	43.50	-7.65	Peak	100	120
5	183.73	46.56	-9.47	37.09	43.50	-6.41	Peak	100	120
6	250.55	50.77	-12.68	38.09	46.00	-7.91	Peak	100	87
7	271.18	44.83	-8.39	36.44	46.00	-9.56	Peak	100	96
8	299.23	43.82	-9.25	34.57	46.00	-11.43	Peak	100	96

## Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. All emission below 1GHz at 802.11g mode are all the same, so the 802.11g mode chosen as representative in final test.
5. According to technical experiences, all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6 Mbps



Trace: (Discrete)

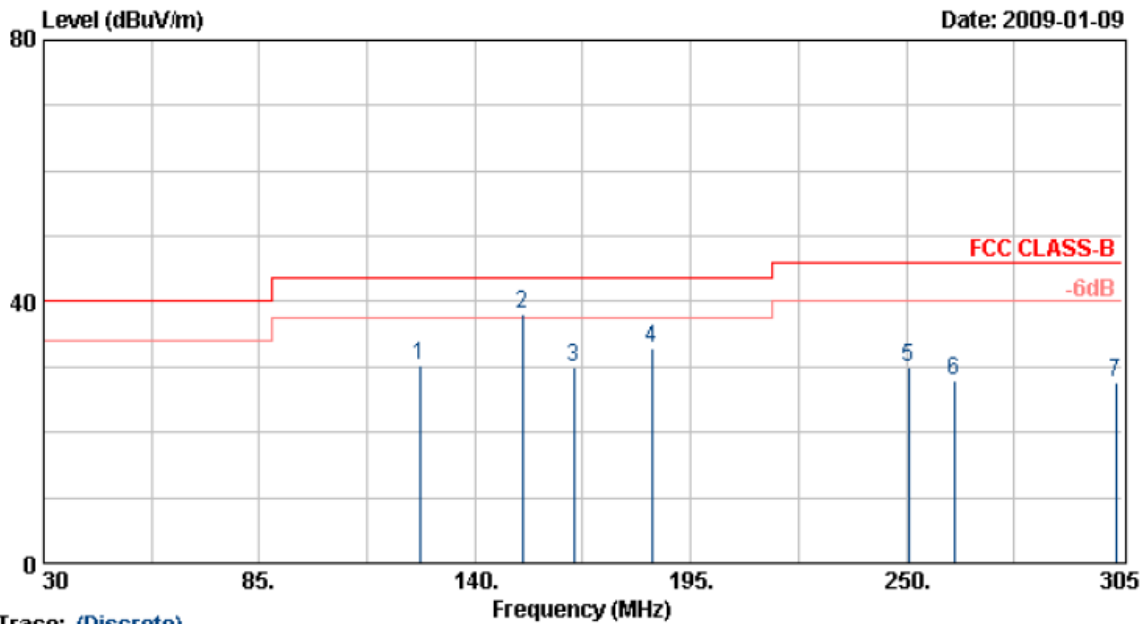
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	374.90	51.39	-8.87	42.52	46.00	-3.48	QP	100	77
2	499.98	47.76	-4.86	42.90	46.00	-3.10	QP	100	77
3	626.90	43.82	-3.58	40.24	46.00	-5.76	QP	100	97
4	752.90	35.84	0.38	36.22	46.00	-9.78	Peak	100	107
5	875.05	38.00	1.80	39.80	46.00	-6.20	Peak	100	107
6	999.99	38.54	1.42	39.96	54.00	-14.04	Peak	100	107

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. All emission below 1GHz at 802.11b/g mode are all the same,so the 802.11g mode chosen as representative in final test.
5. According to technical experiences,all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz,so that the channel 1 was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6 Mbps



Trace: (Discrete)

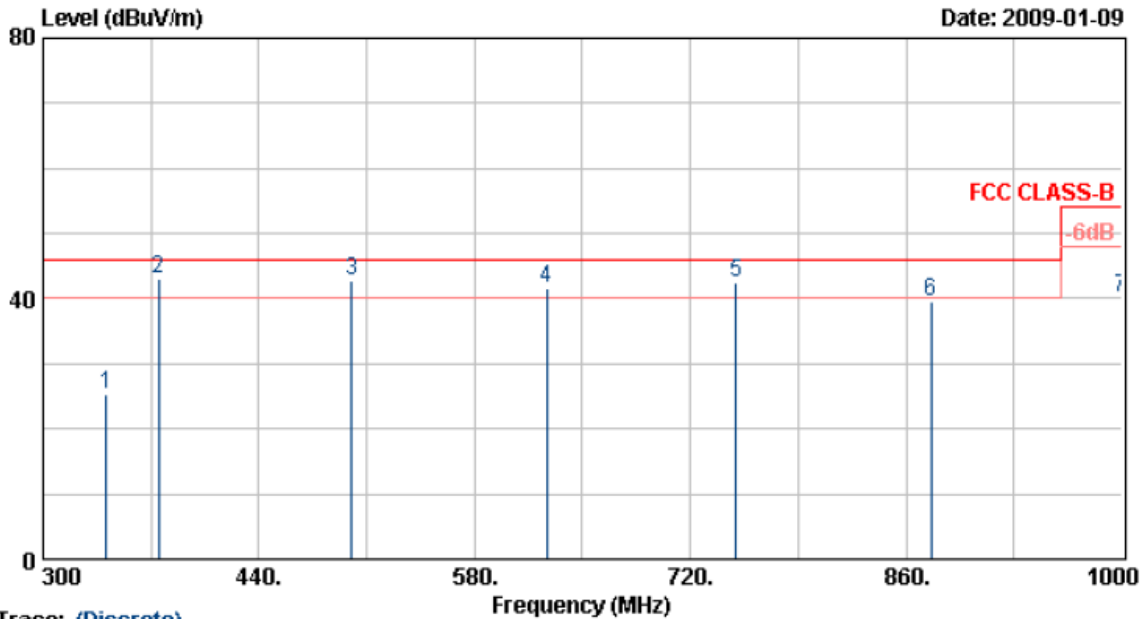
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	125.98	49.79	-19.62	30.17	43.50	-13.33	Peak	100	50
2	152.10	55.69	-17.55	38.14	43.50	-5.36	QP	100	76
3	165.30	48.88	-18.88	30.00	43.50	-13.50	Peak	100	99
4	185.10	50.63	-17.81	32.82	43.50	-10.68	Peak	100	112
5	250.55	47.55	-17.50	30.05	46.00	-15.95	Peak	100	112
6	262.10	43.18	-15.20	27.98	46.00	-18.02	Peak	100	124
7	303.35	41.79	-14.09	27.70	46.00	-18.30	Peak	100	124

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. All emission below 1GHz at 802.11b/g mode are all the same,so the 802.11g mode chosen as representative in final test.
5. According to technical experiences,all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz,so that the channel 1 was chosen as representative in final test.
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Test Mode 1	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6 Mbps



Trace: (Discrete)

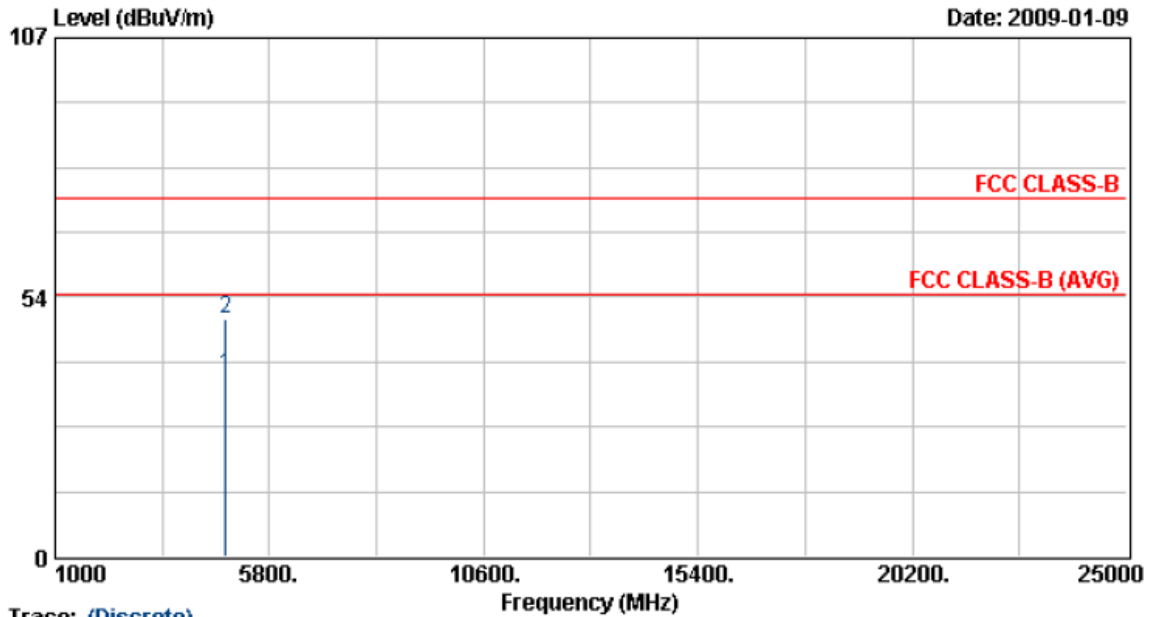
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	341.30	38.25	-13.02	25.23	46.00	-20.77	Peak	100	78
2	374.98	53.15	-10.16	42.99	46.00	-3.01	QP	100	49
3	500.00	46.89	-4.20	42.69	46.00	-3.31	QP	100	59
4	626.90	43.36	-1.84	41.52	46.00	-4.48	QP	100	59
5	749.99	42.26	0.32	42.58	46.00	-3.42	QP	100	98
6	876.10	35.69	3.87	39.56	46.00	-6.44	Peak	100	103
7	999.99	37.00	3.28	40.28	54.00	-13.72	Peak	100	80

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. All emission below 1GHz at 802.11b/g mode are all the same,so the 802.11g mode chosen as representative in final test.
5. According to technical experiences,all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz,so that the channel 1 was chosen as representative in final test.
6. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 11 Mbps



Trace: (Discrete)

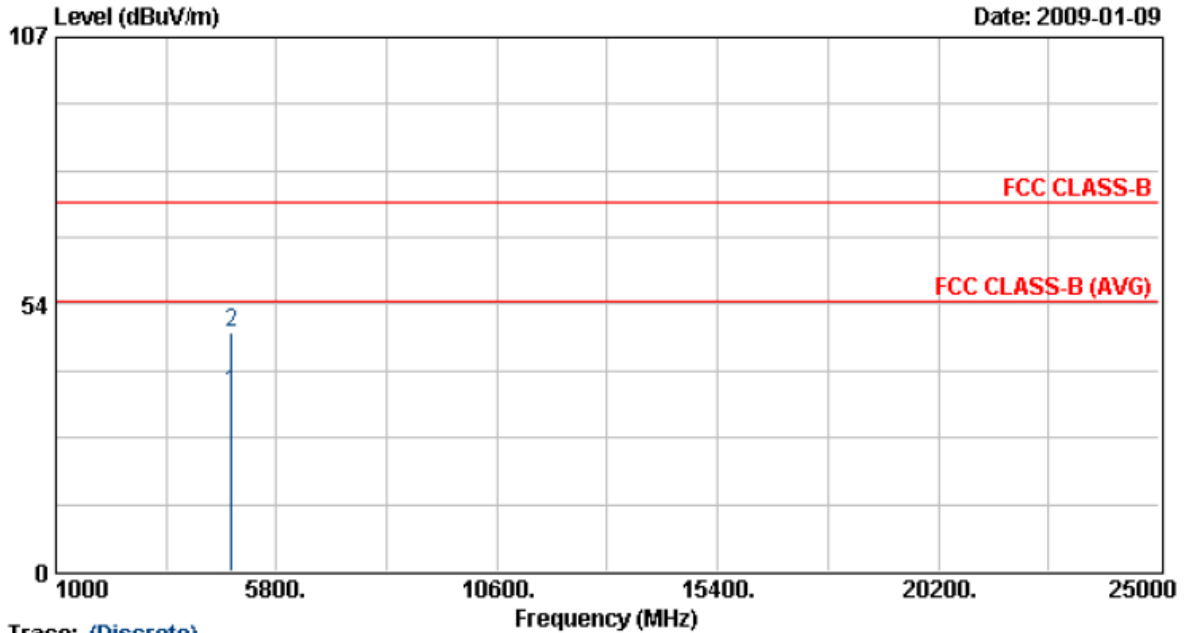
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4823.93	31.87	5.67	37.55	54.00	-16.45	Average	130	271
2	4823.93	43.55	5.67	49.22	74.00	-24.78	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 11 Mbps



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBUV/m	dB	dBUV/m	dBUV/m	dB		cm	Deg
1	4824.03	30.28	5.67	35.95	54.00	-18.05	Average	124	286
2	4824.03	42.08	5.67	47.75	74.00	-26.25	Peak	124	286

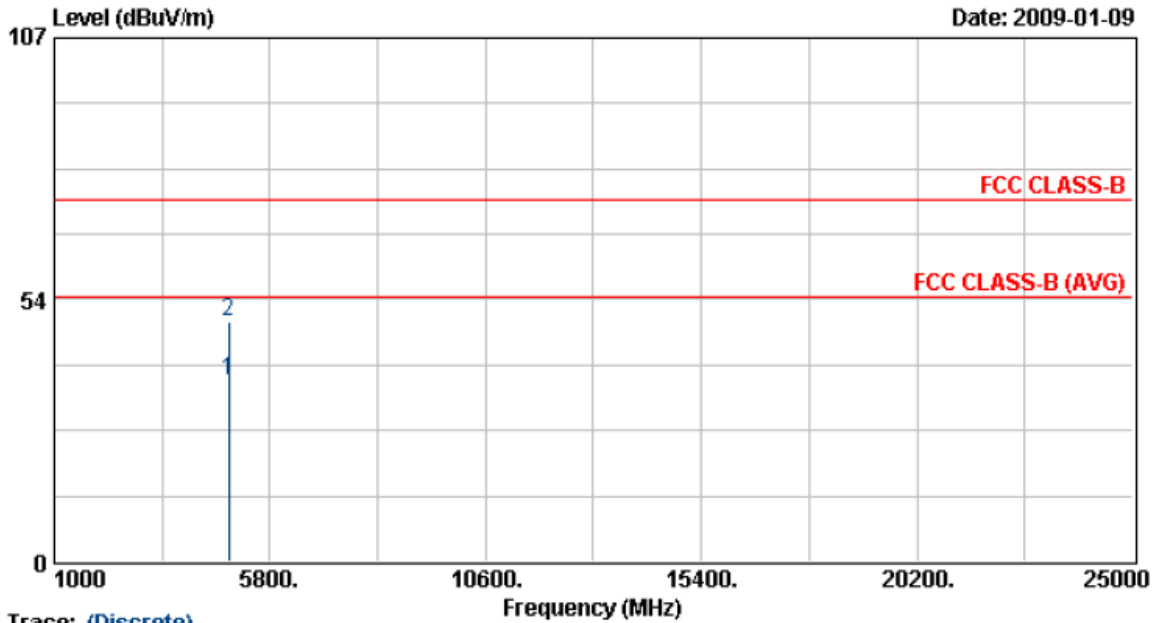
Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.





Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 11 Mbps



Trace: (Discrete)

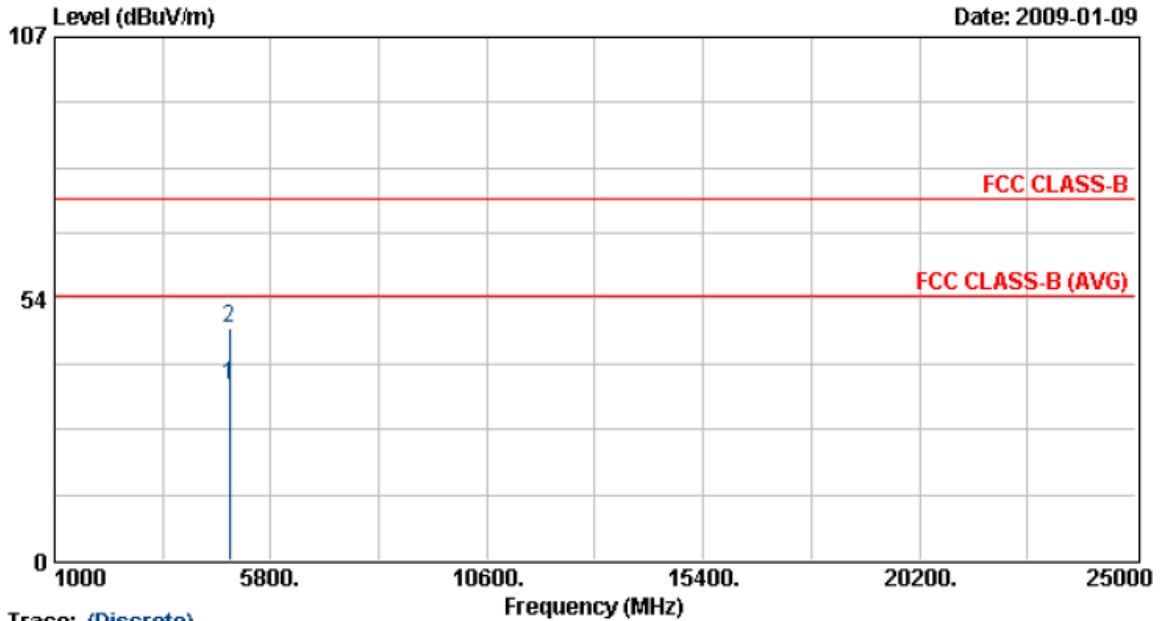
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4874.03	31.22	5.80	37.02	54.00	-16.98	Average	130	271
2	4874.03	43.10	5.80	48.90	74.00	-25.10	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 11 Mbps



Trace: (Discrete)

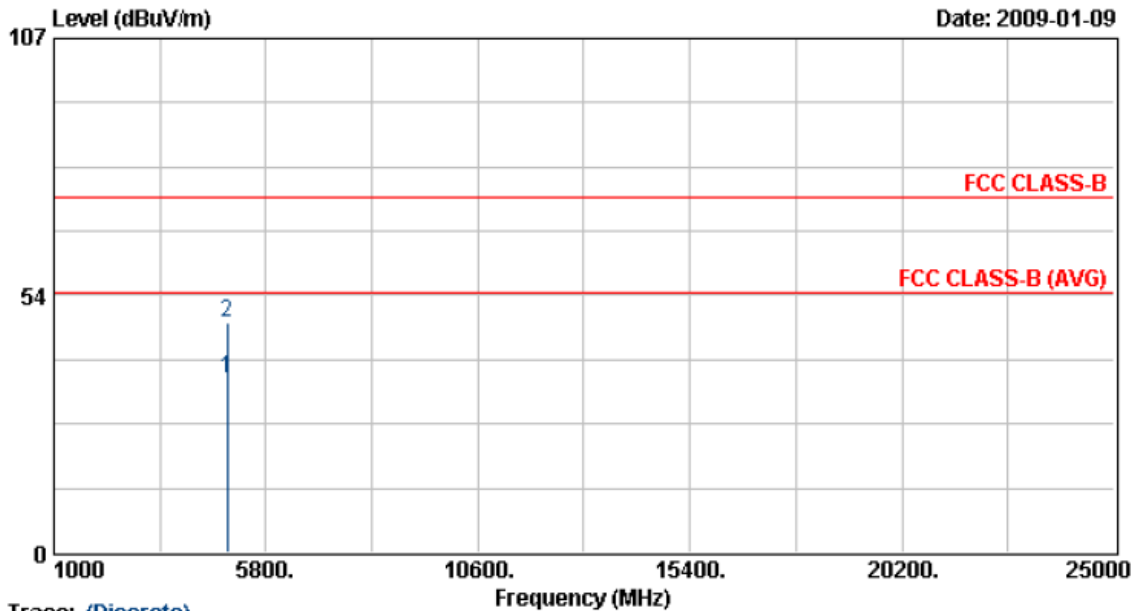
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4874.00	29.99	5.80	35.79	54.00	-18.21	Average	124	286
2	4874.00	41.57	5.80	47.37	74.00	-26.63	Peak	124	286

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 11 Mbps



Trace: (Discrete)

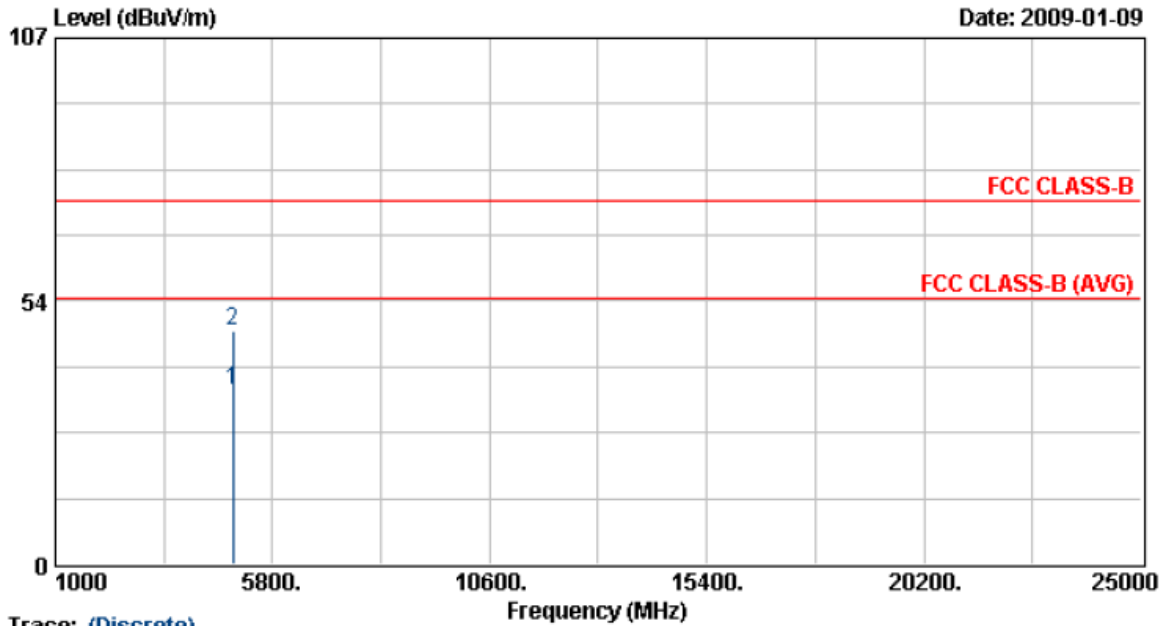
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4923.95	30.10	5.93	36.04	54.00	-17.96	Average	130	271
2	4923.95	41.80	5.93	47.74	74.00	-26.26	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11b	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 11 Mbps



Trace: (Discrete)

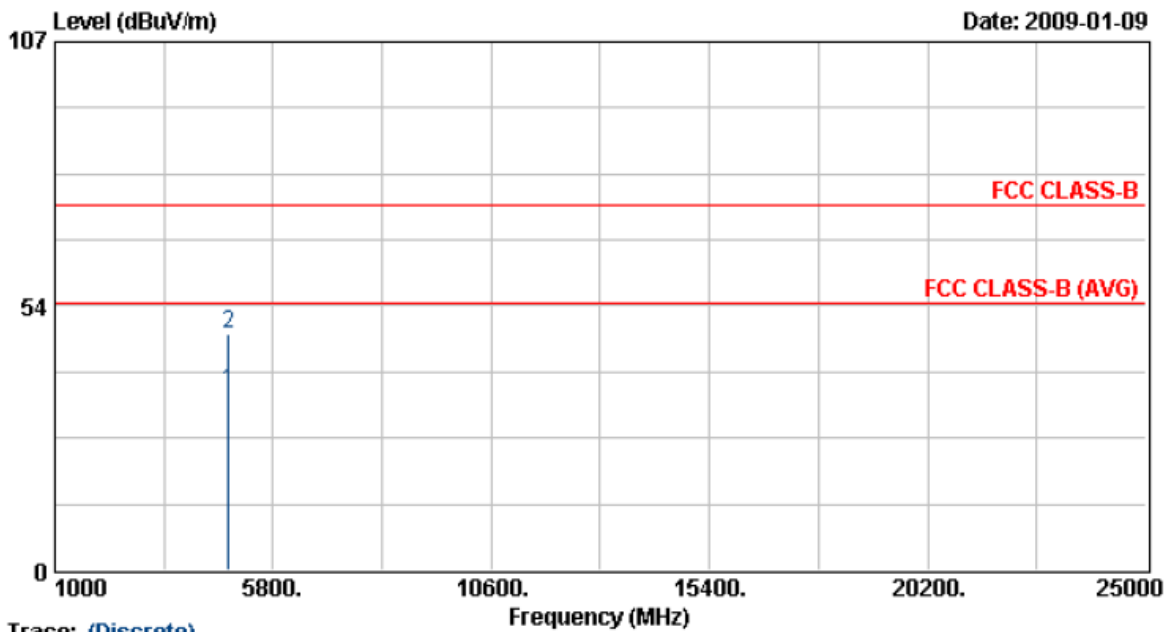
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4924.03	29.65	5.93	35.58	54.00	-18.42	Average	124	286
2	4924.03	41.50	5.93	47.43	74.00	-26.57	Peak	124	286

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6 Mbps



Trace: (Discrete)

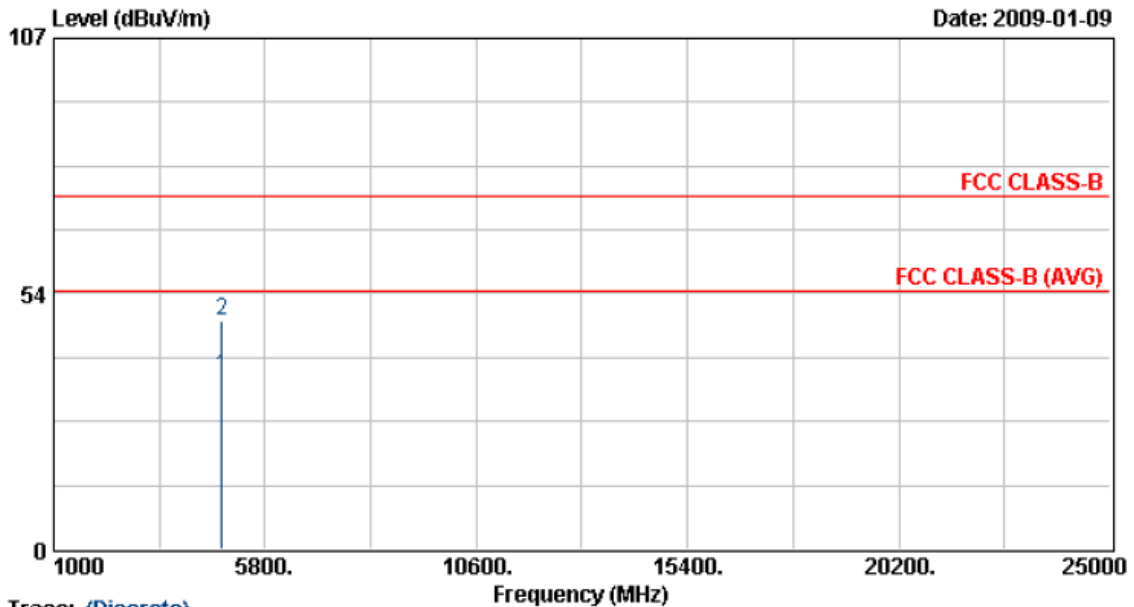
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4824.05	30.58	5.67	36.25	54.00	-17.75	Average	130	271
2	4824.05	42.26	5.67	47.93	74.00	-26.07	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
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Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6 Mbps



Trace: (Discrete)

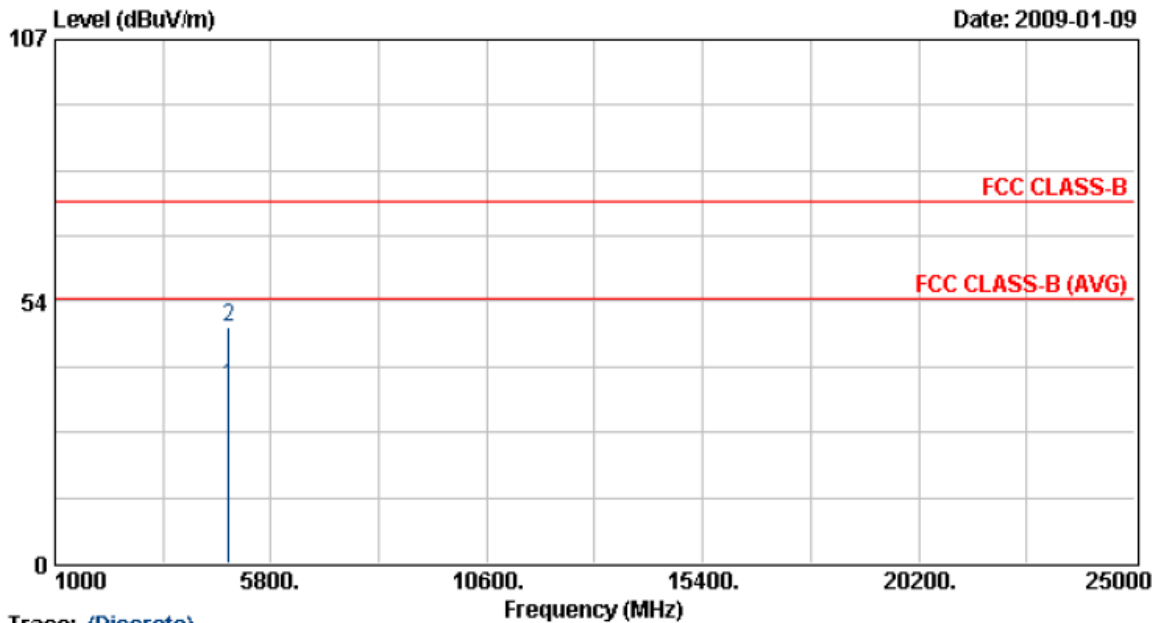
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4824.03	30.32	5.67	35.99	54.00	-18.01	Average	124	286
2	4824.03	42.07	5.67	47.74	74.00	-26.26	Peak	124	286

Notes:

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5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6 Mbps



Trace: (Discrete)

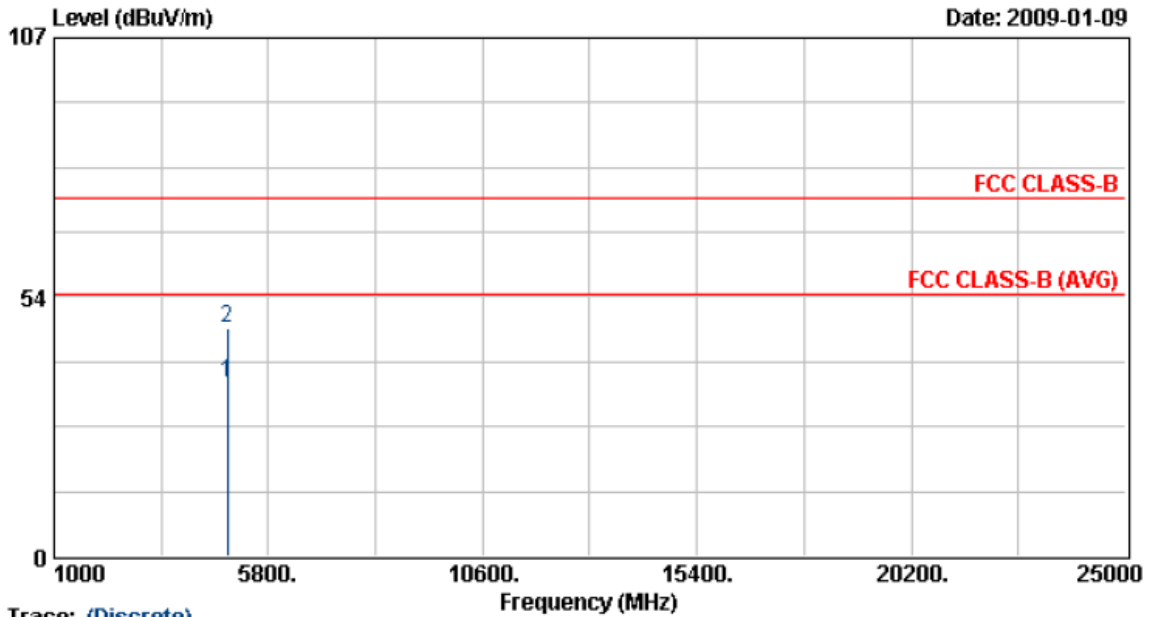
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4872.83	30.43	5.80	36.23	54.00	-17.77	Average	130	271
2	4872.83	42.31	5.80	48.11	74.00	-25.89	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
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Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6 Mbps



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4873.03	29.94	5.80	35.74	54.00	-18.26	Average	124	286
2	4873.03	41.44	5.80	47.24	74.00	-26.76	Peak	124	286

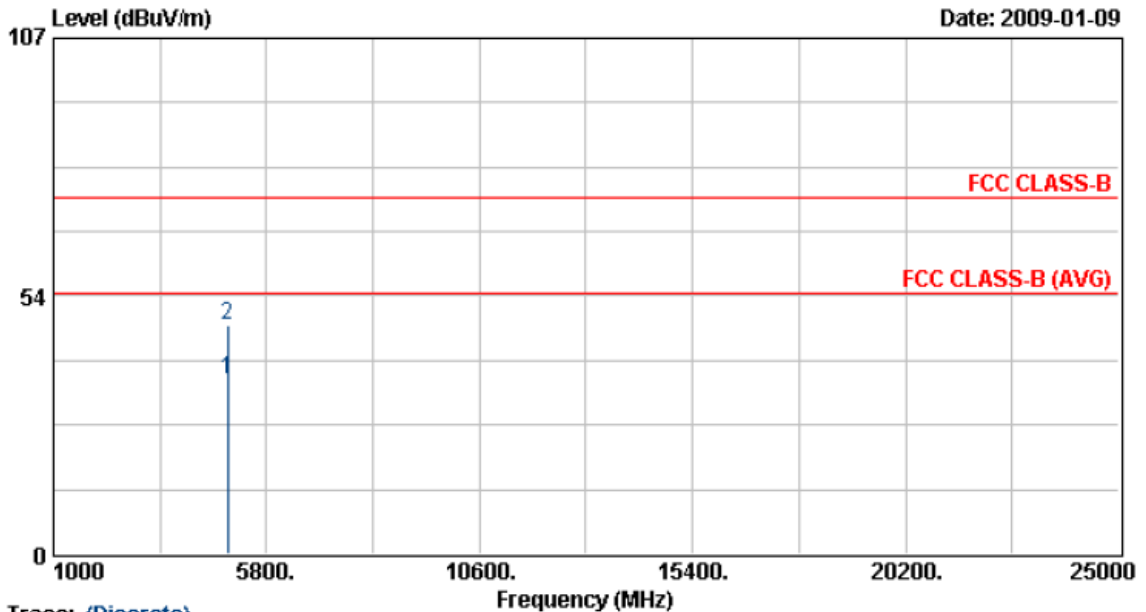
Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.





Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6 Mbps



Trace: (Discrete)

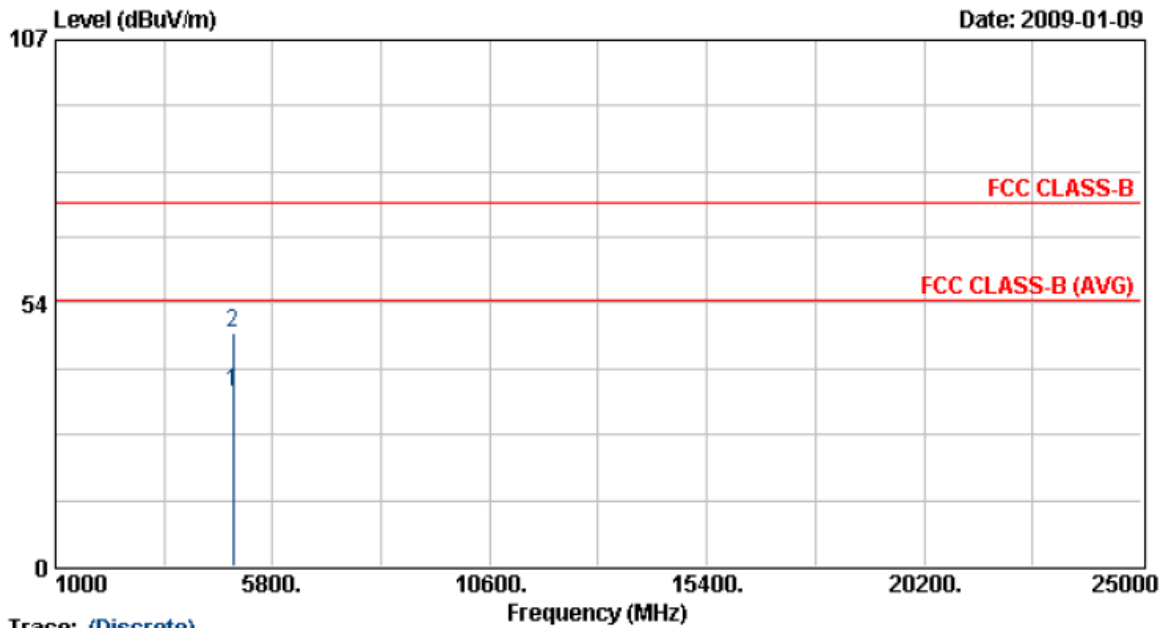
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4927.40	30.15	5.94	36.09	54.00	-17.91	Average	130	271
2	4927.40	41.72	5.94	47.66	74.00	-26.34	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 1	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6 Mbps



Trace: (Discrete)

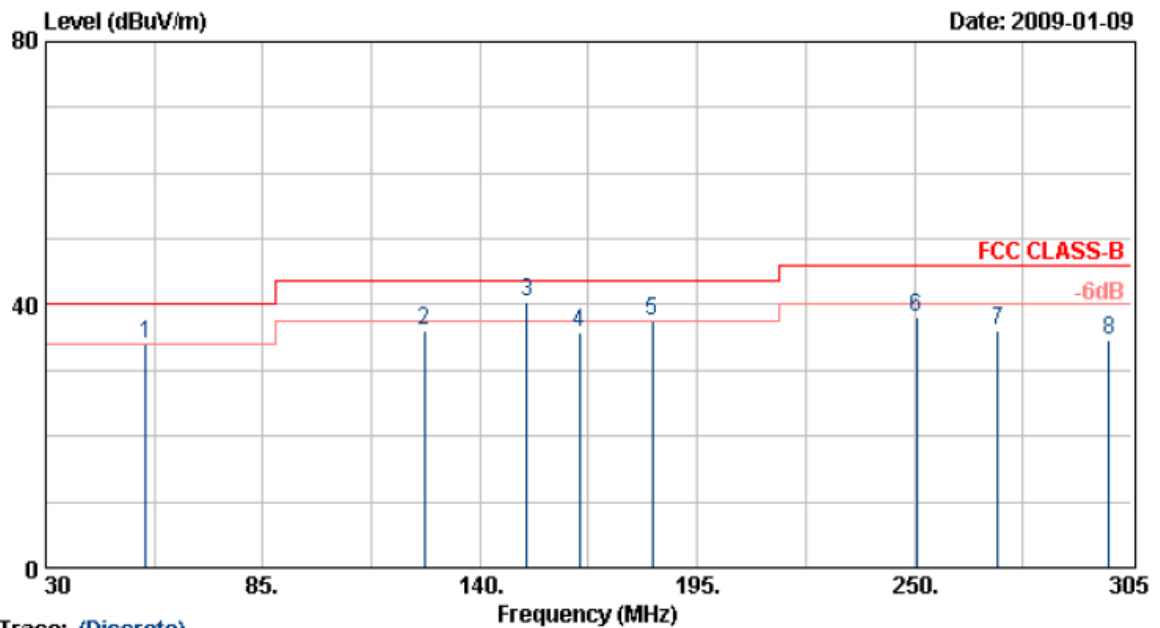
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4923.88	29.62	5.93	35.55	54.00	-18.45	Average	124	286
2	4923.88	41.47	5.93	47.40	74.00	-26.60	Peak	124	286

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 3	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6.5 Mbps



Trace: (Discrete)

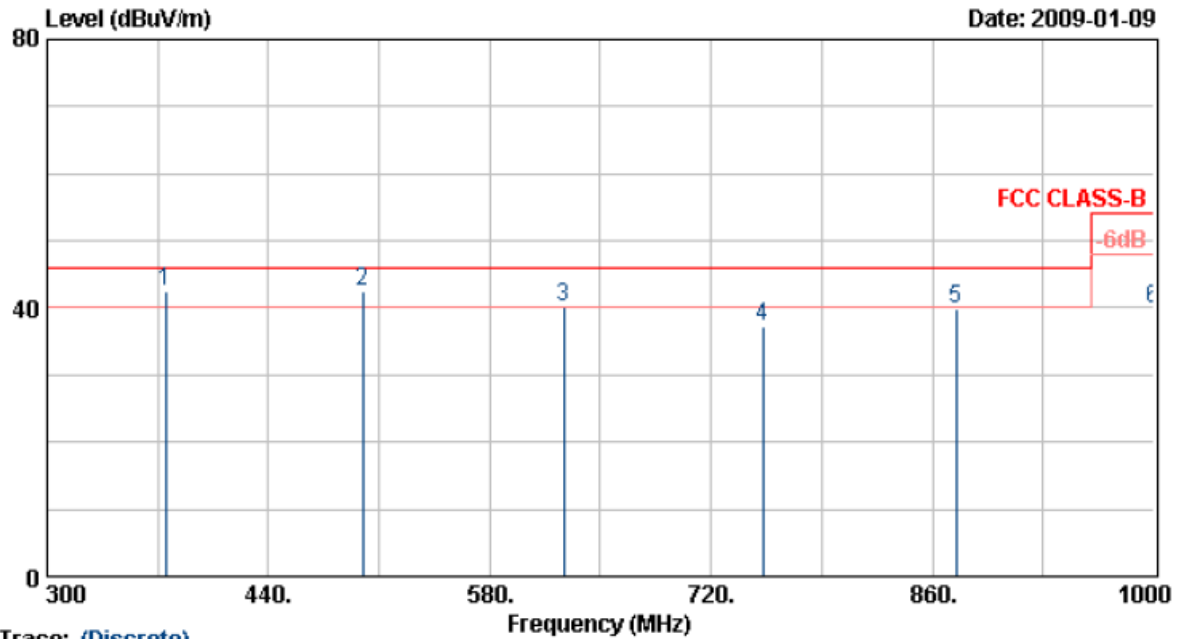
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	55.30	49.95	-15.95	34.00	40.00	-6.00	Peak	100	100
2	125.98	49.64	-13.65	35.99	43.50	-7.51	Peak	100	92
3	151.80	52.45	-12.14	40.31	43.50	-3.19	QP	100	92
4	165.30	48.97	-13.12	35.85	43.50	-7.65	Peak	100	120
5	183.73	46.99	-9.47	37.52	43.50	-5.98	Peak	100	120
6	250.55	50.77	-12.68	38.09	46.00	-7.91	Peak	100	87
7	271.18	44.36	-8.39	35.97	46.00	-10.03	Peak	100	96
8	299.23	43.82	-9.25	34.57	46.00	-11.43	Peak	100	96

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 3	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6.5 Mbps



Trace: (Discrete)

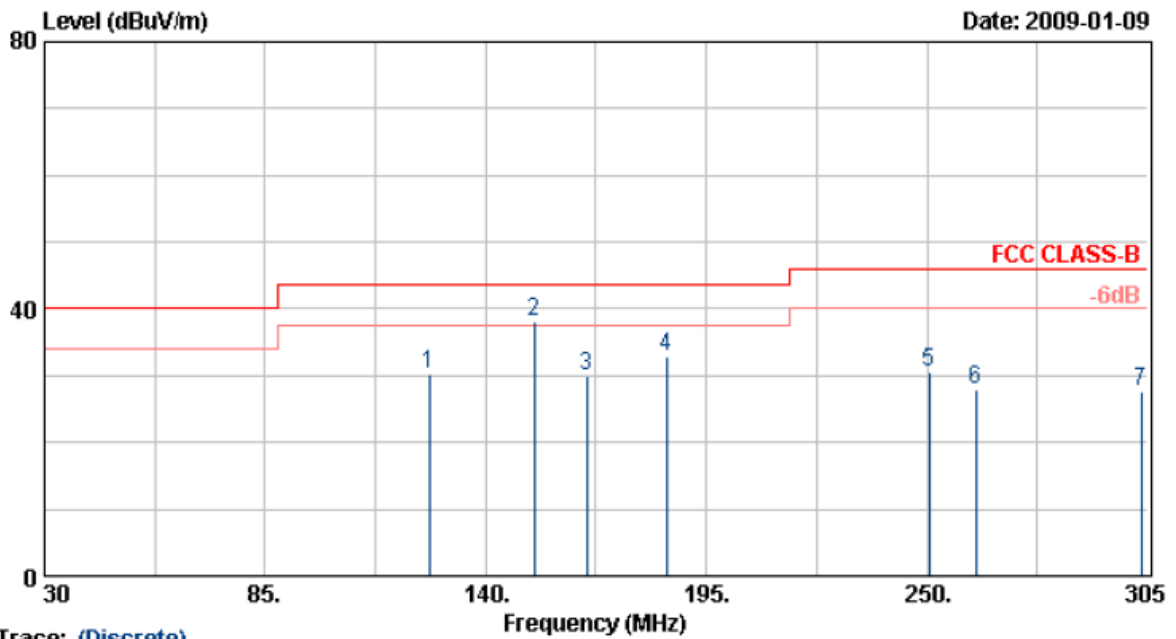
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	374.90	51.39	-8.87	42.52	46.00	-3.48	QP	100	77
2	499.98	47.46	-4.86	42.60	46.00	-3.40	QP	100	77
3	626.90	43.82	-3.58	40.24	46.00	-5.76	QP	100	97
4	752.90	36.80	0.38	37.18	46.00	-8.82	Peak	100	107
5	875.05	38.00	1.80	39.80	46.00	-6.20	Peak	100	107
6	999.99	38.54	1.42	39.96	54.00	-14.04	Peak	100	107

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 3	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6.5 Mbps



Trace: (Discrete)

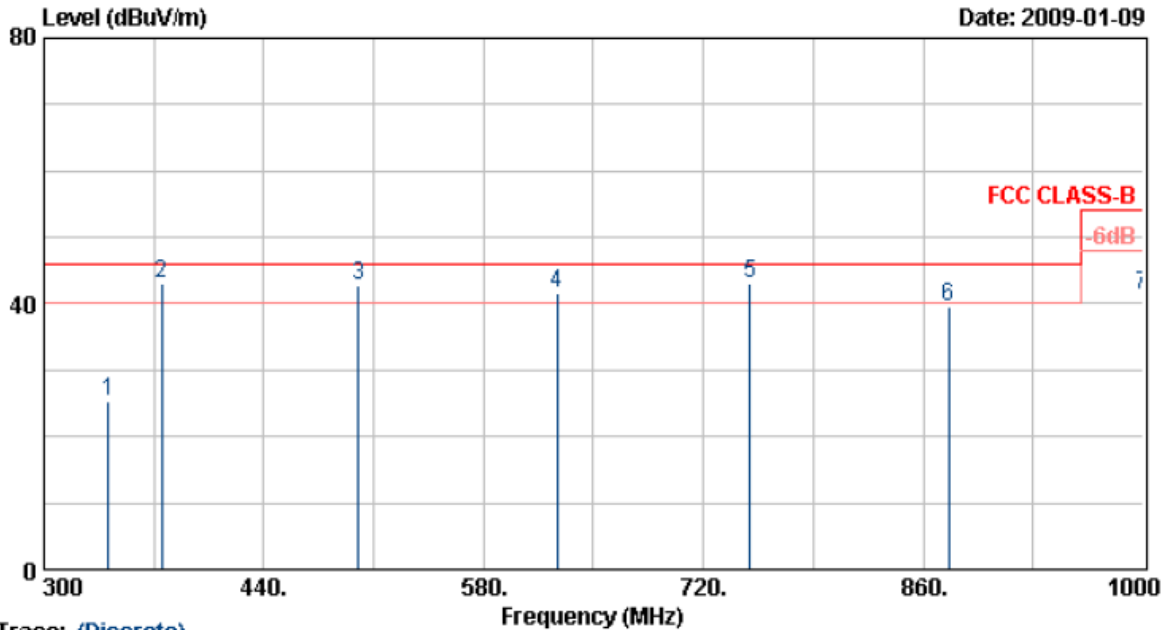
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	125.98	49.85	-19.62	30.23	43.50	-13.27	Peak	100	50
2	152.10	55.69	-17.55	38.14	43.50	-5.36	QP	100	76
3	165.30	48.93	-18.88	30.05	43.50	-13.45	Peak	100	99
4	185.10	50.63	-17.81	32.82	43.50	-10.68	Peak	100	112
5	250.55	47.96	-17.50	30.46	46.00	-15.54	Peak	100	112
6	262.10	43.18	-15.20	27.98	46.00	-18.02	Peak	100	124
7	303.35	41.70	-14.09	27.61	46.00	-18.39	Peak	100	124

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 3	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6.5 Mbps



Trace: (Discrete)

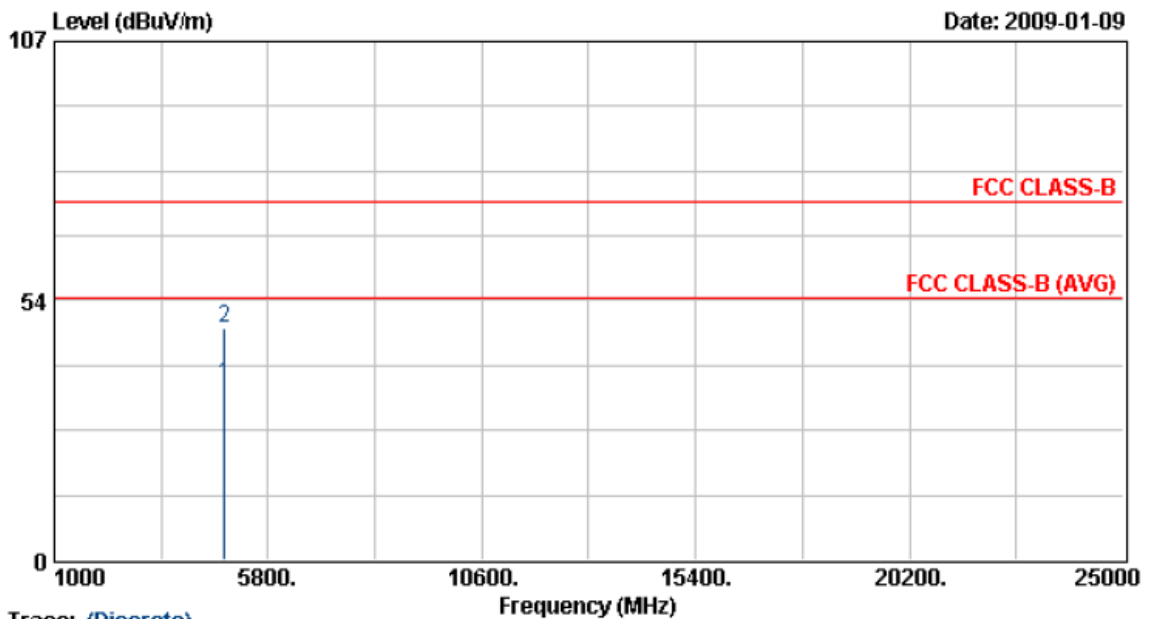
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	341.30	38.20	-13.02	25.18	46.00	-20.82	Peak	100	78
2	374.98	53.15	-10.16	42.99	46.00	-3.01	QP	100	49
3	500.00	46.96	-4.20	42.76	46.00	-3.24	QP	100	59
4	626.90	43.36	-1.84	41.52	46.00	-4.48	QP	100	59
5	749.99	42.76	0.32	43.08	46.00	-2.92	QP	100	98
6	876.10	35.69	3.87	39.56	46.00	-6.44	Peak	100	103
7	999.99	38.00	3.28	41.28	54.00	-12.72	Peak	100	80

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 3	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6.5 Mbps



Trace: (Discrete)

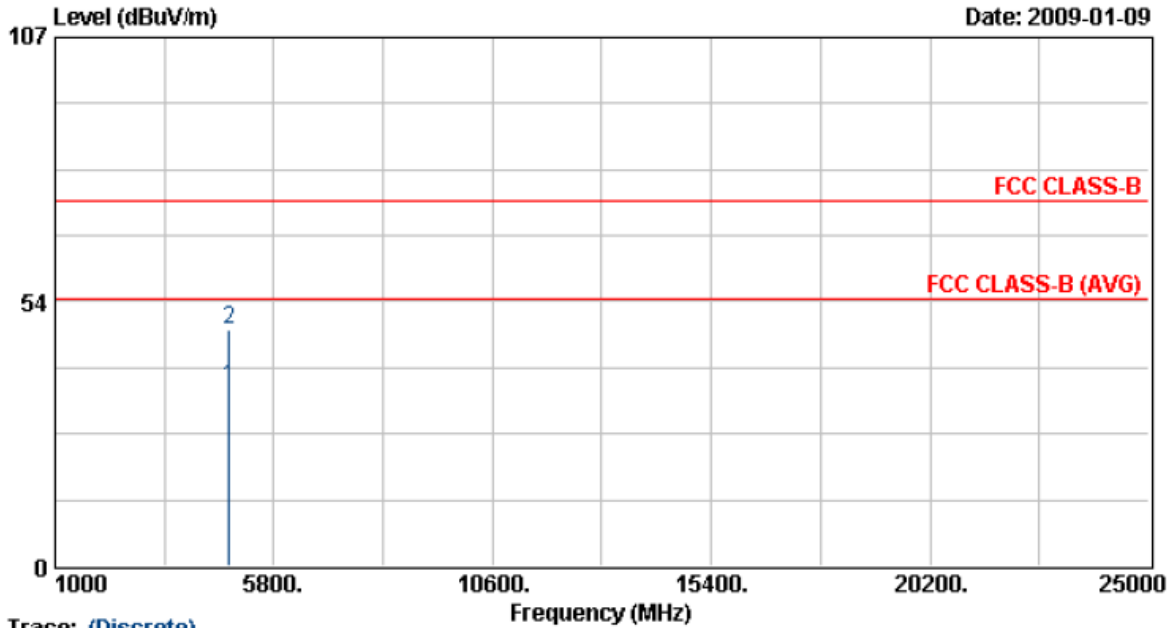
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4824.83	30.57	5.67	36.25	54.00	-17.75	Average	130	271
2	4824.83	42.22	5.67	47.89	74.00	-26.11	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 3	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6.5 Mbps



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4824.03	30.33	5.67	36.00	54.00	-18.00	Average	124	286
2	4824.03	42.30	5.67	47.97	74.00	-26.03	Peak	124	286

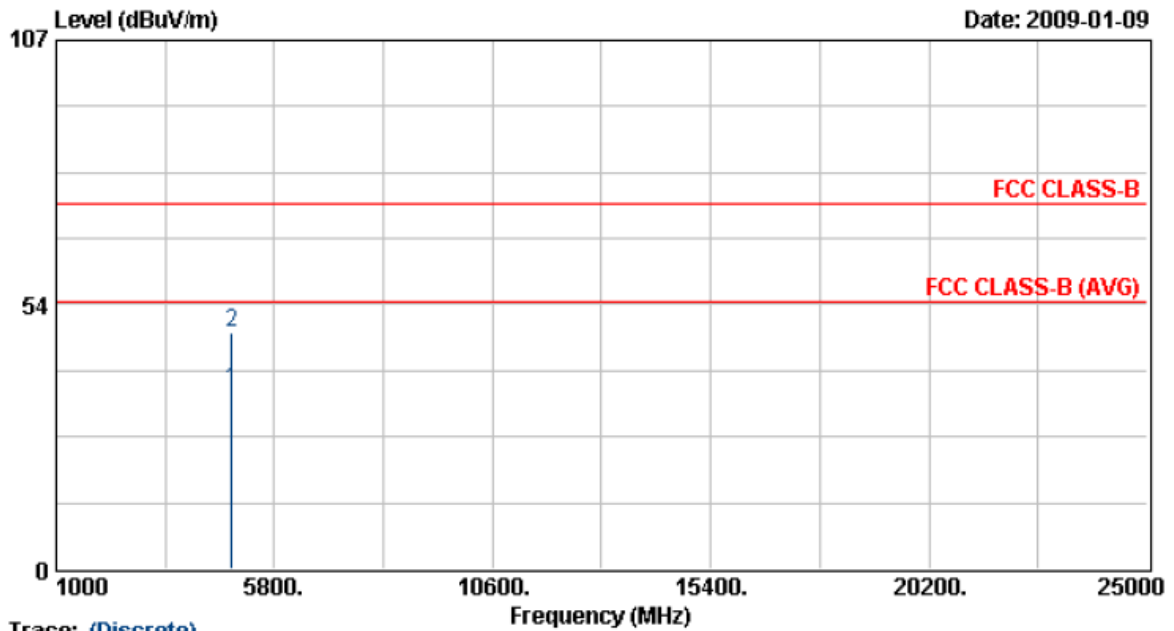
Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.





Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 3	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6.5 Mbps



Trace: (Discrete)

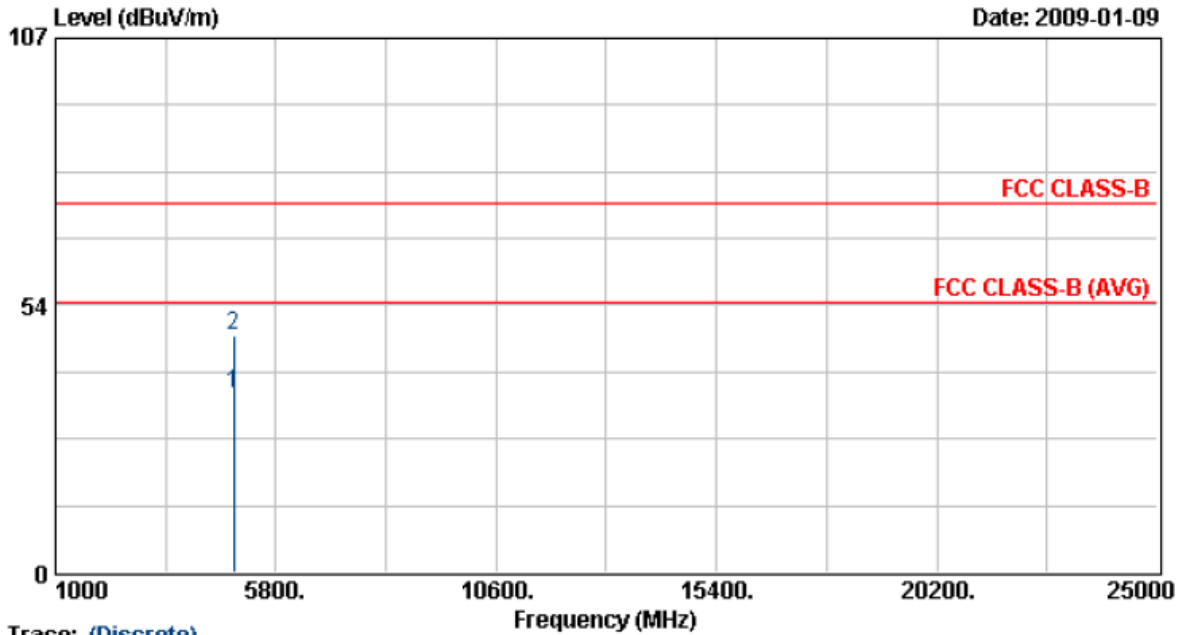
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4871.00	30.34	5.79	36.14	54.00	-17.86	Average	130	271
2	4871.00	42.12	5.79	47.91	74.00	-26.09	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 3	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6.5 Mbps



Trace: (Discrete)

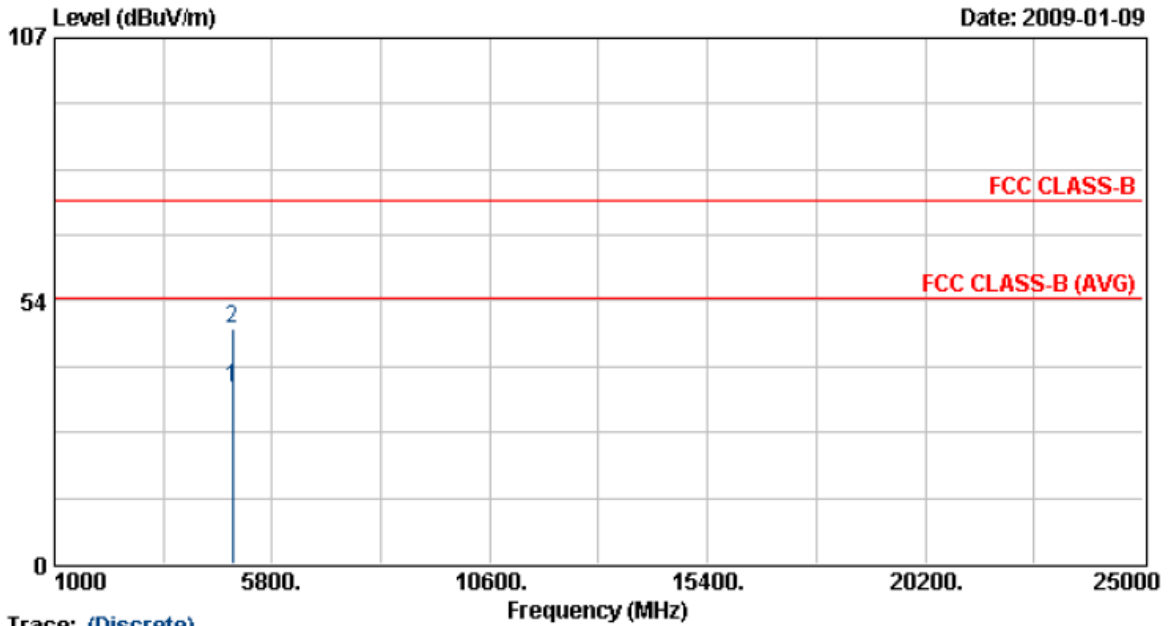
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4873.98	29.80	5.80	35.60	54.00	-18.40	Average	124	286
2	4873.98	41.60	5.80	47.40	74.00	-26.60	Peak	124	286

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 3	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6.5 Mbps



Trace: (Discrete)

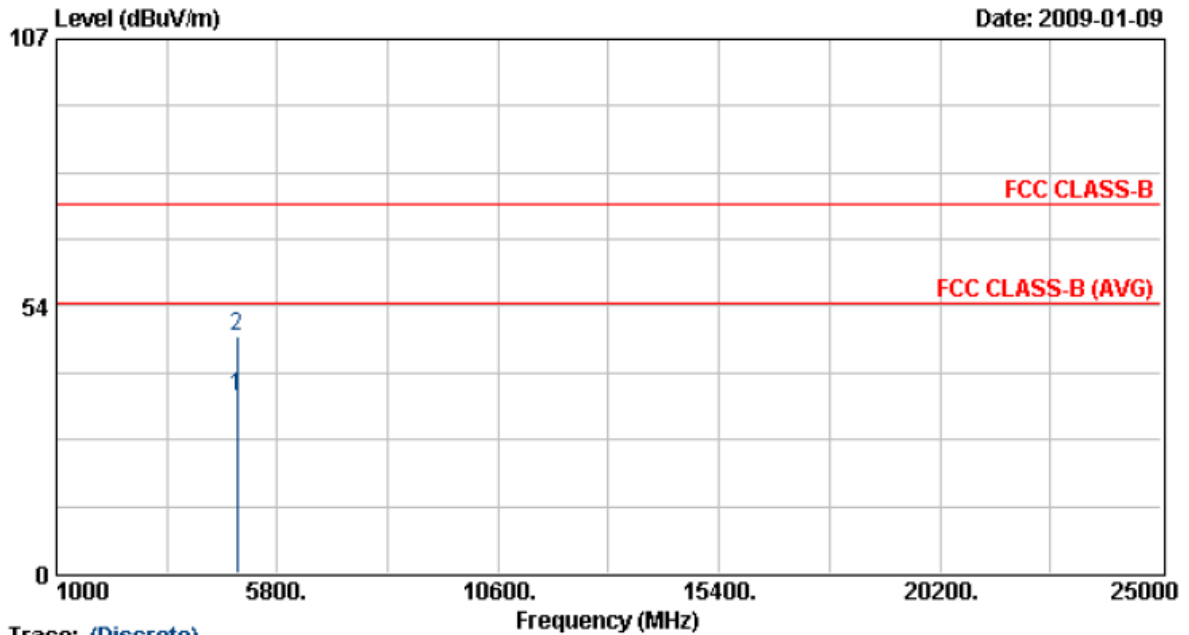
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4919.95	30.00	5.92	35.92	54.00	-18.08	Average	130	271
2	4919.95	41.77	5.92	47.69	74.00	-26.31	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 3	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 11	Humidity	: 65 %
Modulation Type	: 802.11n HT20	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 6.5 Mbps



Trace: (Discrete)

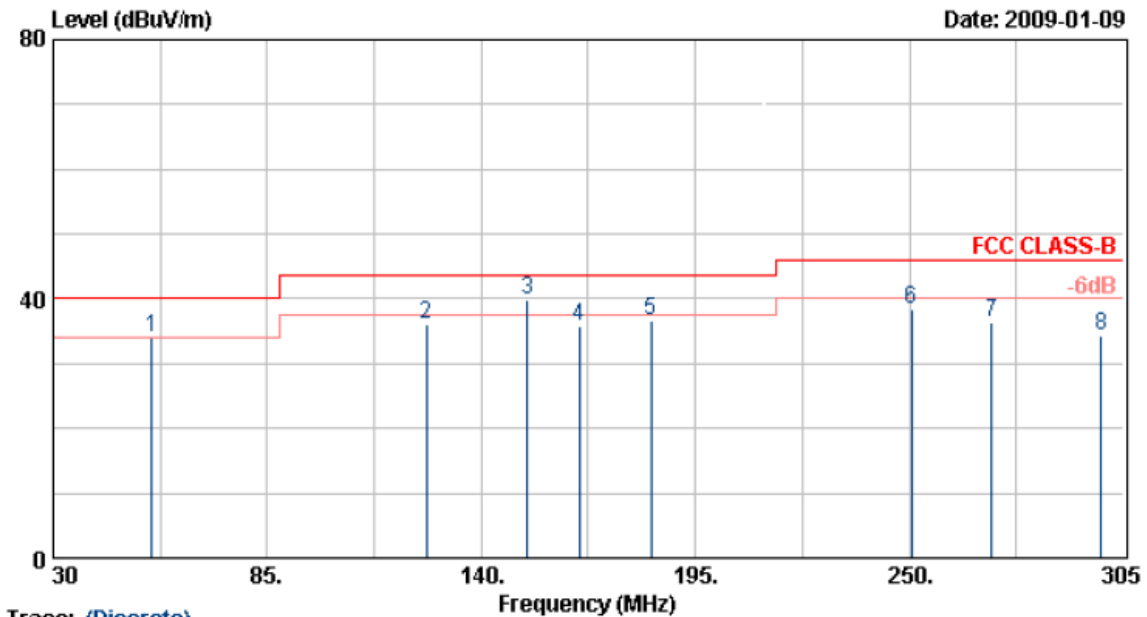
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4924.33	29.61	5.93	35.54	54.00	-18.46	Average	124	286
2	4924.33	41.41	5.93	47.34	74.00	-26.66	Peak	124	286

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 13.5 Mbps



Trace: (Discrete)

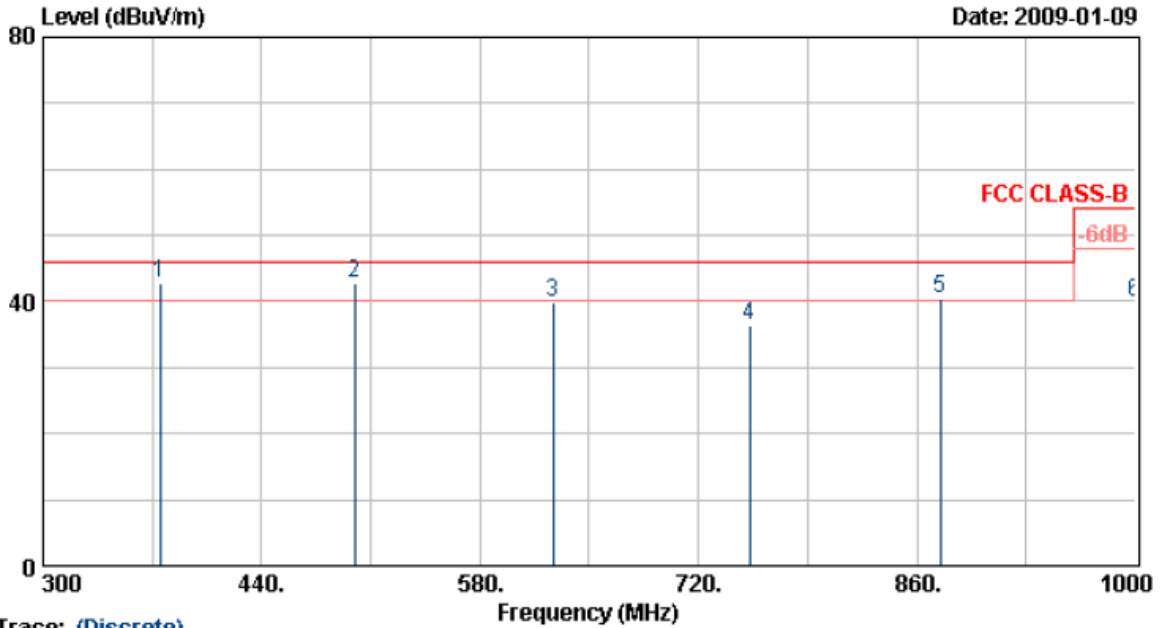
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	55.30	49.97	-15.95	34.01	40.00	-5.99	QP	100	100
2	125.98	49.64	-13.65	35.99	43.50	-7.51	Peak	100	92
3	151.80	52.00	-12.14	39.86	43.50	-3.64	QP	100	92
4	165.30	48.97	-13.12	35.85	43.50	-7.65	Peak	100	120
5	183.73	46.23	-9.47	36.76	43.50	-6.74	Peak	100	120
6	250.55	50.96	-12.68	38.28	46.00	-7.72	Peak	100	87
7	271.18	44.83	-8.39	36.44	46.00	-9.56	Peak	100	96
8	299.23	43.49	-9.25	34.24	46.00	-11.76	Peak	100	96

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 13.5 Mbps



Trace: (Discrete)

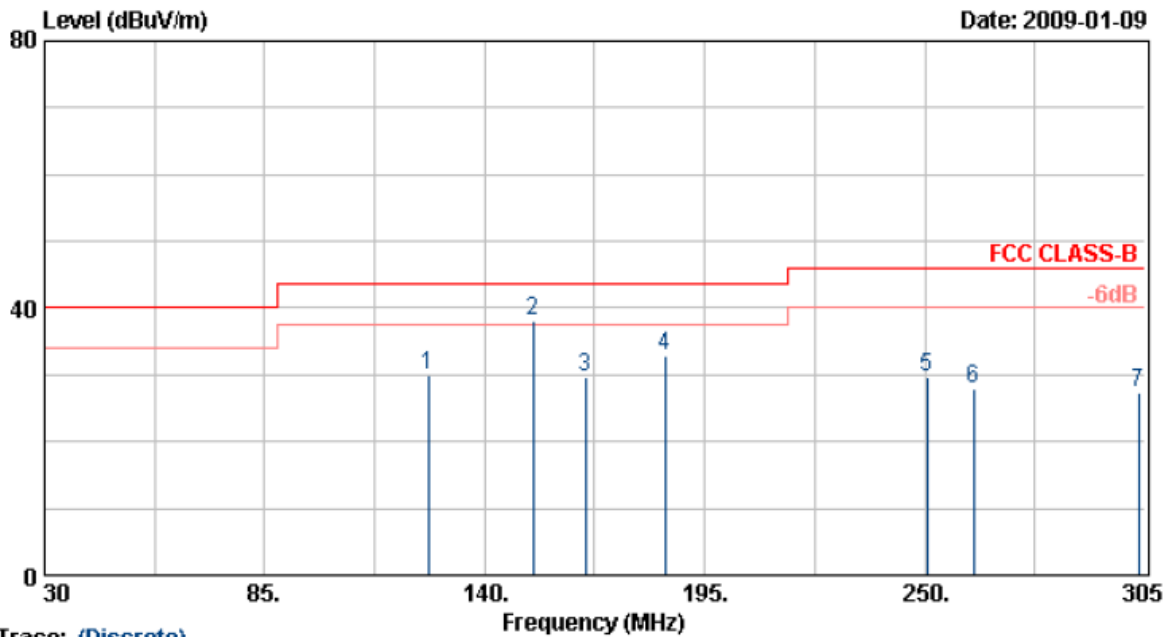
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	374.90	51.59	-8.87	42.72	46.00	-3.28	QP	100	77
2	499.98	47.76	-4.86	42.90	46.00	-3.10	QP	100	77
3	626.90	43.55	-3.58	39.97	46.00	-6.03	QP	100	97
4	752.90	35.84	0.38	36.22	46.00	-9.78	Peak	100	107
5	875.05	38.73	1.80	40.53	46.00	-5.47	QP	100	107
6	999.99	38.54	1.42	39.96	54.00	-14.04	Peak	100	107

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 13.5 Mbps



Trace: (Discrete)

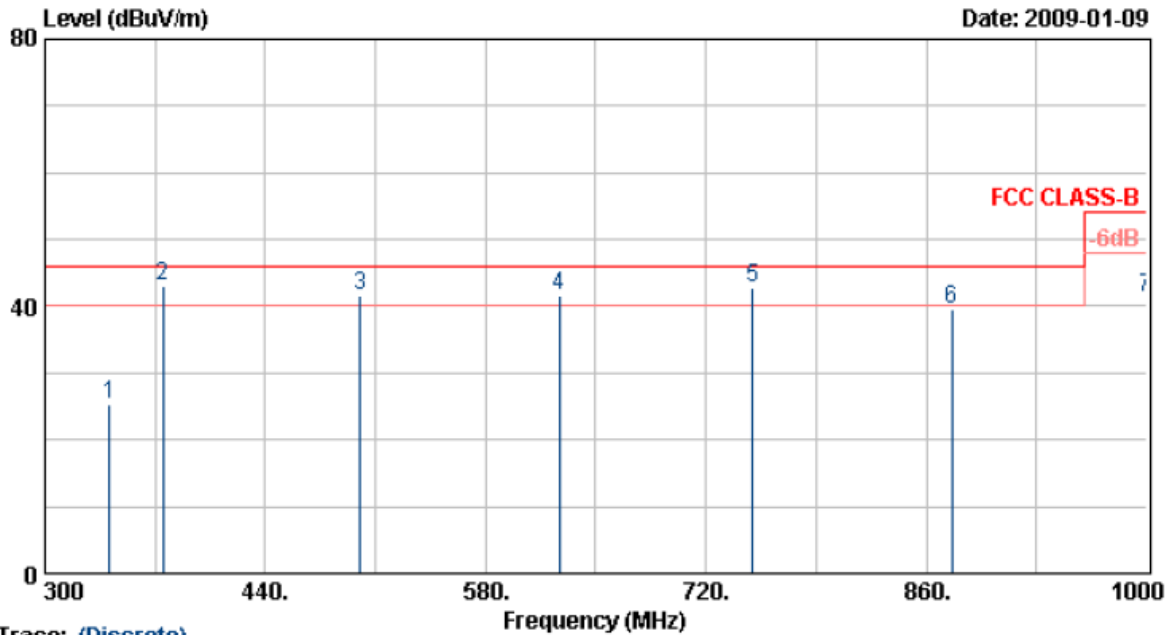
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	125.98	49.58	-19.62	29.96	43.50	-13.54	Peak	100	50
2	152.10	55.69	-17.55	38.14	43.50	-5.36	QP	100	76
3	165.30	48.52	-18.88	29.64	43.50	-13.86	Peak	100	99
4	185.10	50.63	-17.81	32.82	43.50	-10.68	Peak	100	112
5	250.55	47.29	-17.50	29.79	46.00	-16.21	Peak	100	112
6	262.10	43.18	-15.20	27.98	46.00	-18.02	Peak	100	124
7	303.35	41.56	-14.09	27.47	46.00	-18.53	Peak	100	124

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
5. The data is worse case.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 13.5 Mbps



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	341.30	38.29	-13.02	25.27	46.00	-20.73	Peak	100	78
2	374.98	53.15	-10.16	42.99	46.00	-3.01	QP	100	49
3	500.00	45.89	-4.20	41.69	46.00	-4.31	QP	100	59
4	626.90	43.36	-1.84	41.52	46.00	-4.48	QP	100	59
5	749.99	42.56	0.32	42.88	46.00	-3.12	QP	100	98
6	876.10	35.69	3.87	39.56	46.00	-6.44	Peak	100	103
7	999.99	38.00	3.28	41.28	54.00	-12.72	Peak	100	80

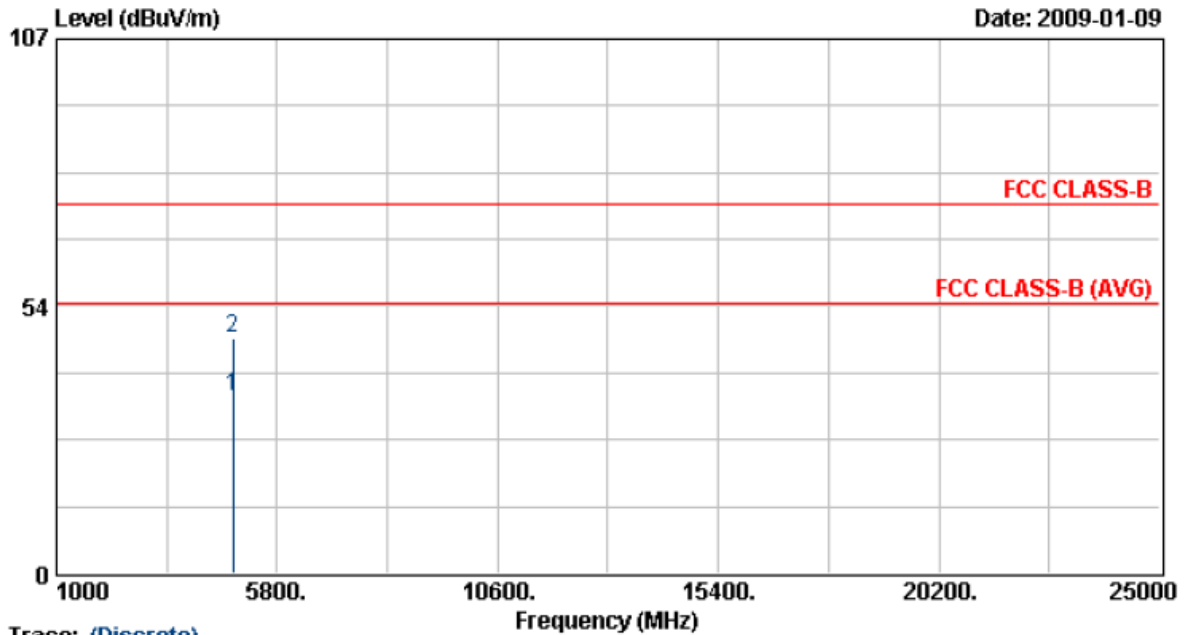
Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. According to technical experiences, all spurious emission of 802.11MIMO mode at channel 3,6,9 are almost the same below 1GHz, so that the channel 3 was chosen as representative in final test.
5. The data is worse case.





Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 13.5 Mbps



Trace: (Discrete)

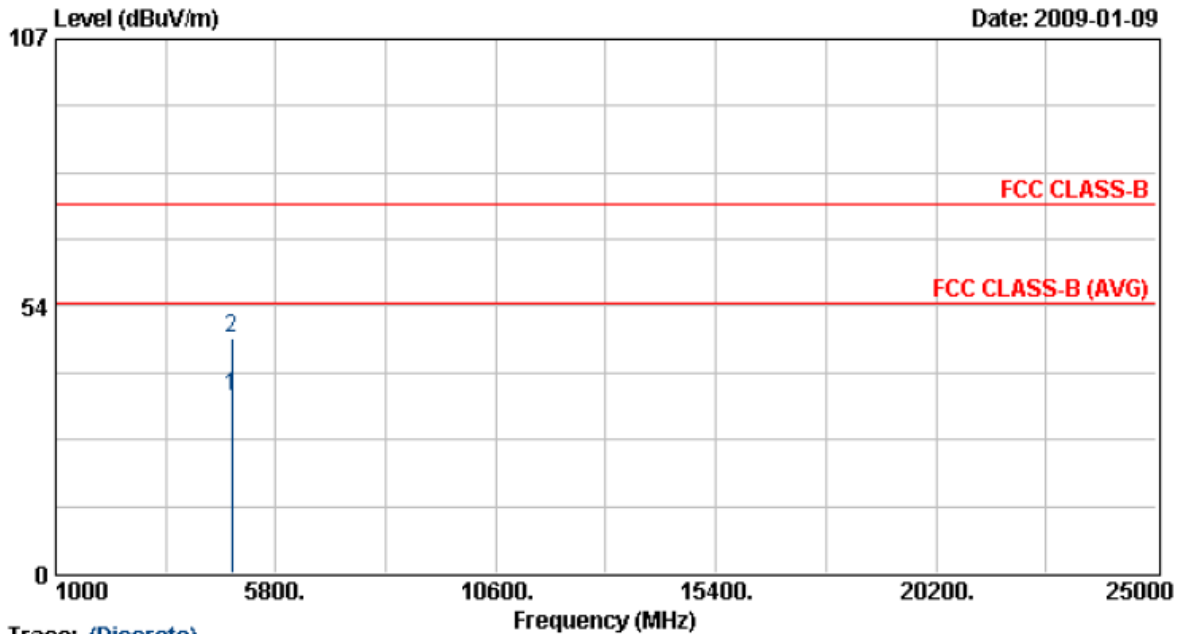
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4843.98	29.74	5.72	35.46	54.00	-18.54	Average	130	271
2	4843.98	41.54	5.72	47.26	74.00	-26.74	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 3	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 13.5 Mbps



Trace: (Discrete)

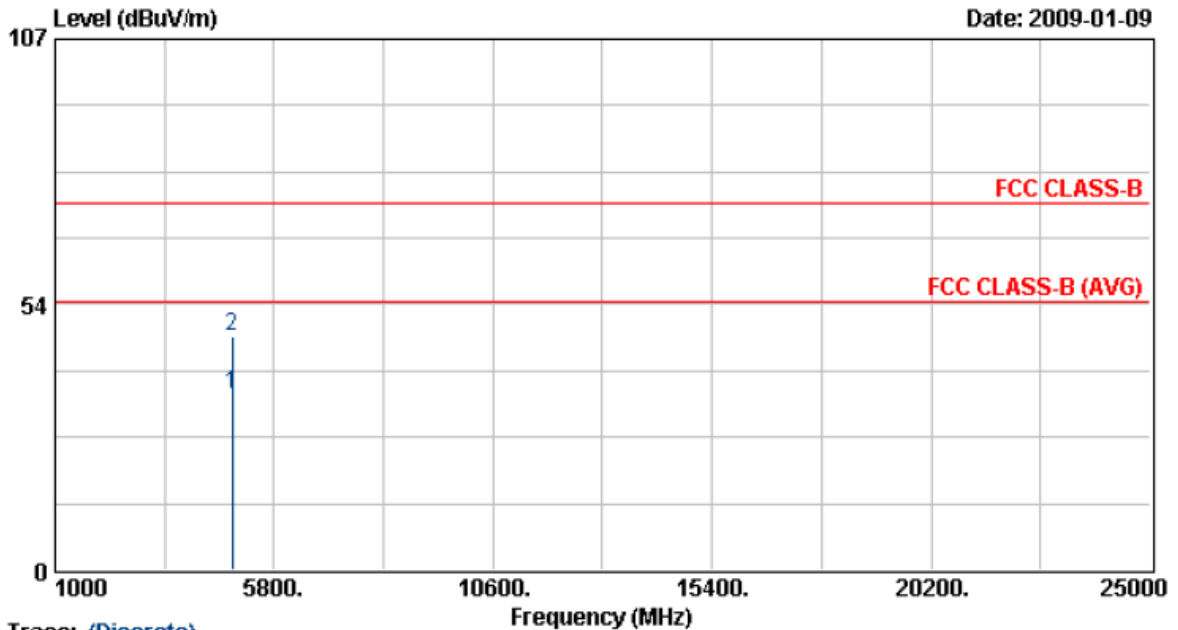
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBUV/m	dB	dBUV/m	dBUV/m	dB		cm	Deg
1	4842.68	29.52	5.72	35.25	54.00	-18.75	Average	124	286
2	4842.68	41.25	5.72	46.97	74.00	-27.03	Peak	124	286

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 13.5 Mbps



Trace: (Discrete)

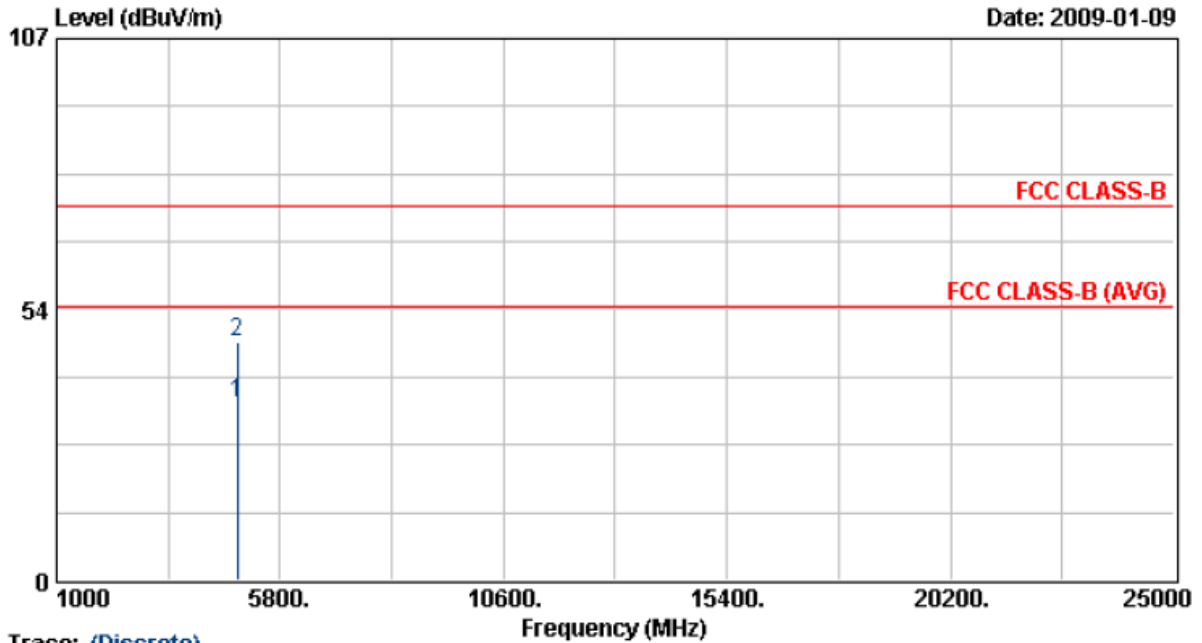
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4874.08	29.58	5.80	35.38	54.00	-18.62	Average	130	271
2	4874.08	41.29	5.80	47.09	74.00	-26.91	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 6	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 13.5 Mbps



Trace: (Discrete)

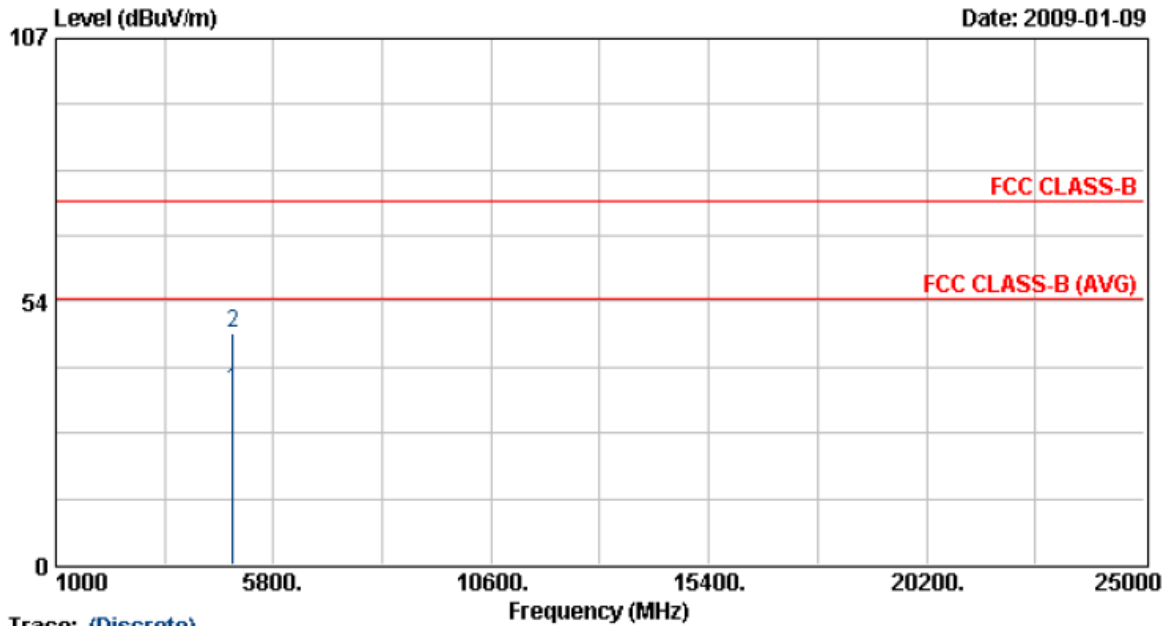
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4873.98	29.38	5.80	35.18	54.00	-18.82	Average	124	286
2	4873.98	41.17	5.80	46.97	74.00	-27.03	Peak	124	286

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 4	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 9	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 13.5 Mbps



Trace: (Discrete)

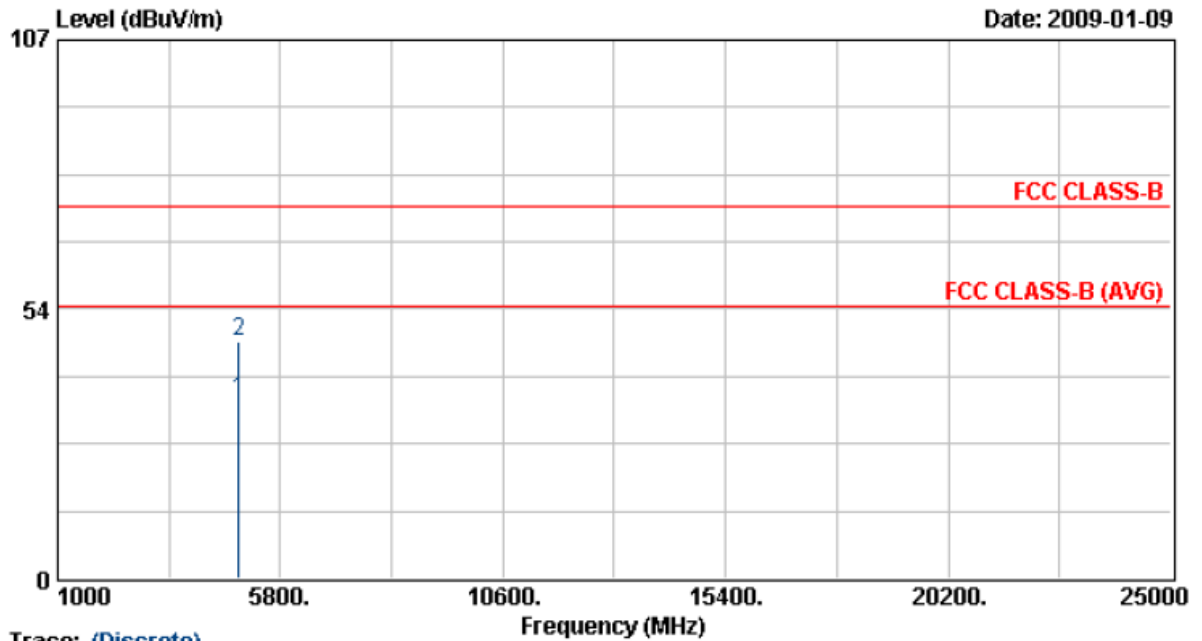
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4904.03	29.47	5.88	35.35	54.00	-18.65	Average	130	271
2	4904.03	41.21	5.88	47.09	74.00	-26.91	Peak	130	271

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: HORIZONTAL
Test Mode 4	: Transmit / Receive	Temperature	: 20 °C
Operation Channel	: 9	Humidity	: 65 %
Modulation Type	: 802.11n HT40	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: MT12-Y120100-A1	Rate	: 13.5 Mbps



Trace: (Discrete)

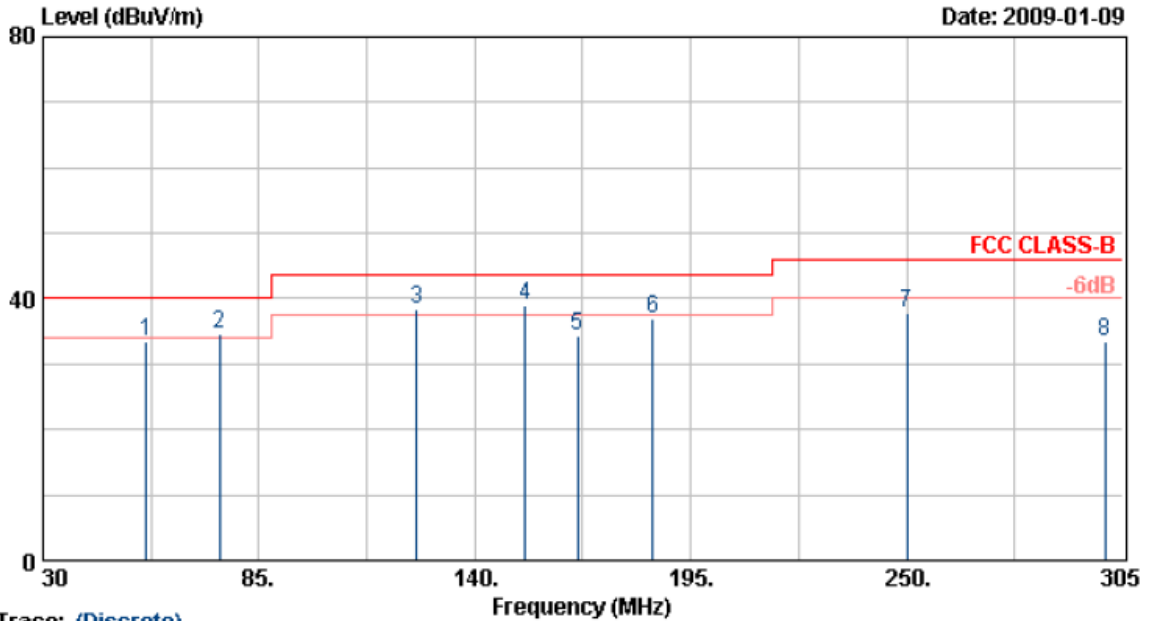
Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	4904.03	29.34	5.88	35.22	54.00	-18.78	Average	124	286
2	4904.03	41.17	5.88	47.05	74.00	-26.95	Peak	124	286

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
5. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average detection at frequency above 1GHz.
6. The other emissions is too low to be measured.



Power	: AC 120V	Pol/Phase	: VERTICAL
Test Mode 5	: Transmit / Receive	Temperature	: 30 °C
Operation Channel	: 1	Humidity	: 65 %
Modulation Type	: 802.11g	Atmospheric Pressure	: 1020 hPa
Memo	: Adapter: T012LF1209	Rate	: 6 Mbps



Trace: (Discrete)

Item	Freq	Read Value	Factor	Result	Limit	Margin	Remark	Ant Pos	Tab Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		cm	Deg
1	56.40	49.52	-16.10	33.42	40.00	-6.58	Peak	100	88
2	75.10	51.95	-17.32	34.63	40.00	-5.37	QP	100	90
3	125.15	51.60	-13.34	38.26	43.50	-5.24	QP	100	90
4	152.93	51.00	-11.90	39.10	43.50	-4.40	QP	100	90
5	166.13	47.32	-12.99	34.33	43.50	-9.17	Peak	100	87
6	185.38	46.51	-9.63	36.88	43.50	-6.62	Peak	100	102
7	250.00	50.77	-13.04	37.73	46.00	-8.27	Peak	100	102
8	300.60	42.79	-9.33	33.46	46.00	-12.54	Peak	100	77

Notes:

1. Result = Read Value + Factor
2. Factor = Antenna Factor + Cable Loss - Amplifier
3. The resolution bandwidth of test receiver/spectrum analyzer is 120KHz and video bandwidth is 300kHz for Peak detection and Quasi-peak detection at frequency below 1GHz.
4. All emission below 1GHz at 802.11b/g mode are all the same, so the 802.11g mode chosen as representative in final test.
5. According to technical experiences, all spurious emission of 802.11g mode at channel 1,6,11 are almost the same below 1GHz, so that the channel 1 was chosen as representative in final test.
6. The data is worse case.