

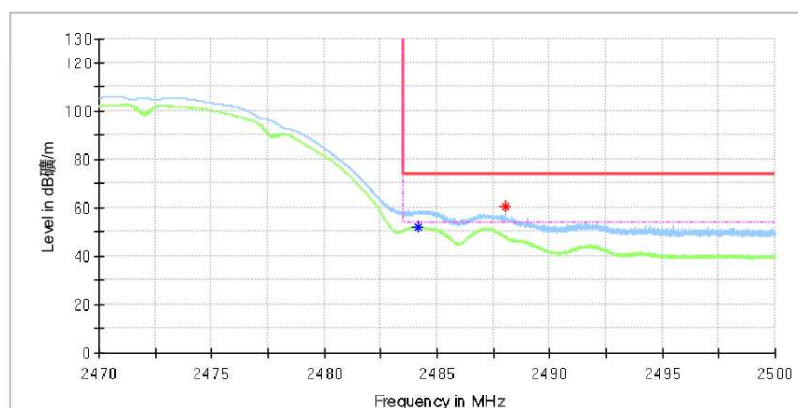
EMI Auto Test(1)

7 / 8

## Test Report

### EUT Information

EUT Name: Digital media receiver  
Model: B7W644  
TestMode: Wi-Fi 2.4G 11b\_Ch13  
Test Voltage: AC 120V@60Hz  
Remark: Temp 24 Humi:45%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.144118     | ---              | 52.17            | 54.00          | 1.83        | 100.0       | H   | 29.0          | 7.4          |
| 2488.026471     | 60.75            | ---              | 74.00          | 13.25       | 100.0       | H   | 40.0          | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---              | ---            | ---         | ---         | --- | ---           | ---          |

25/5/2020

3:04:27 PM

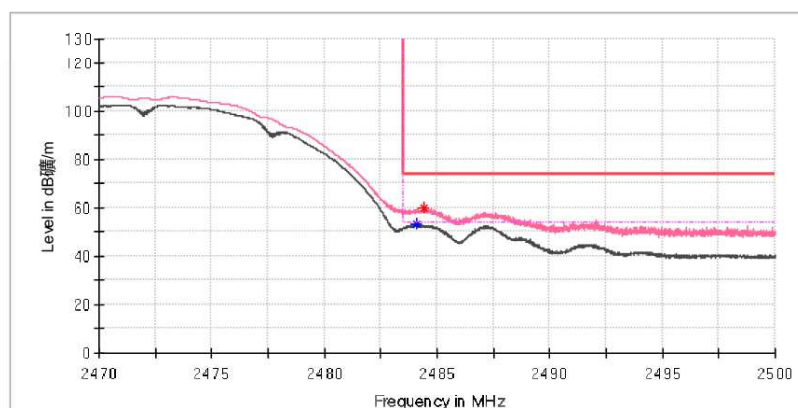
EMI Auto Test(1)

8 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11b_Ch13    |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 24 Humi:45%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2484.095588     | ---              | 53.03            | 54.00          | 0.97        | 100.0       | V   | 162.0         | 7.4          |
| 2484.439706     | 59.69            | ---              | 74.00          | 14.31       | 100.0       | V   | 162.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

25/5/2020

3:04:27 PM

## Wi-Fi 802.11 g mode, 6 Mbps

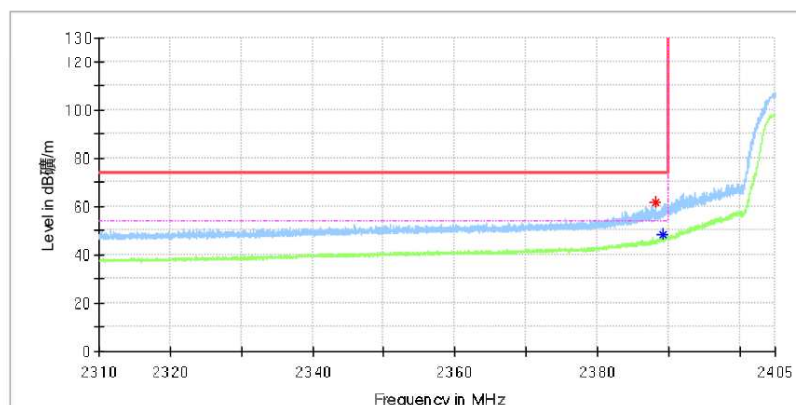
EMI Auto Test(1)

1 / 8

# Test Report

## EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| Test Mode:     | Wi-Fi 2.4G 11g_Ch1     |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 24 Humi:45%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.207353     | 61.77            | ---              | 74.00          | 12.23       | 100.0       | H   | 301.0         | 7.0          |
| 2389.255147     | ---              | 48.14            | 54.00          | 5.86        | 100.0       | H   | 301.0         | 7.0          |

## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---              | ---            | ---         | ---         | --- | ---           | ---          |

27/5/2020

10:46:26 AM

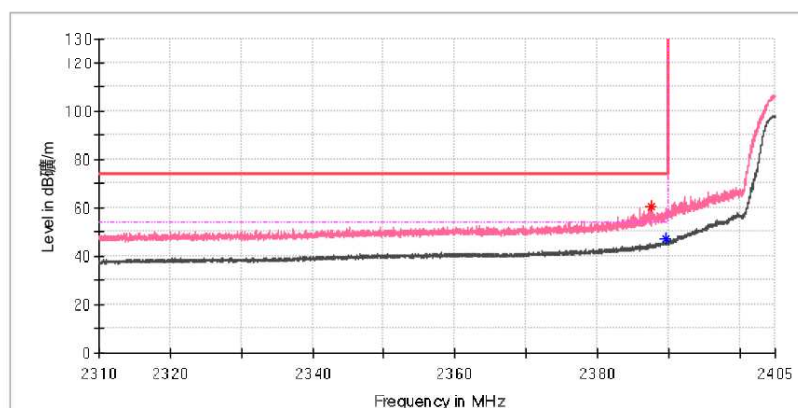
EMI Auto Test(1)

2 / 8

## Test Report

### EUT Information

EUT Name: Digital media receiver  
Model: B7W644  
TestMode: Wi-Fi 2.4G 11g\_Ch1  
TestVoltage: AC 120V@60Hz  
Remark: Temp 24 Humi:45%  
TestStandard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2387.648529     | 60.70            | ---              | 74.00          | 13.30       | 100.0       | V   | 108.0         | 7.0          |
| 2389.646324     | ---              | 47.13            | 54.00          | 6.87        | 100.0       | V   | 132.0         | 7.0          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

27/5/2020

10:46:26 AM

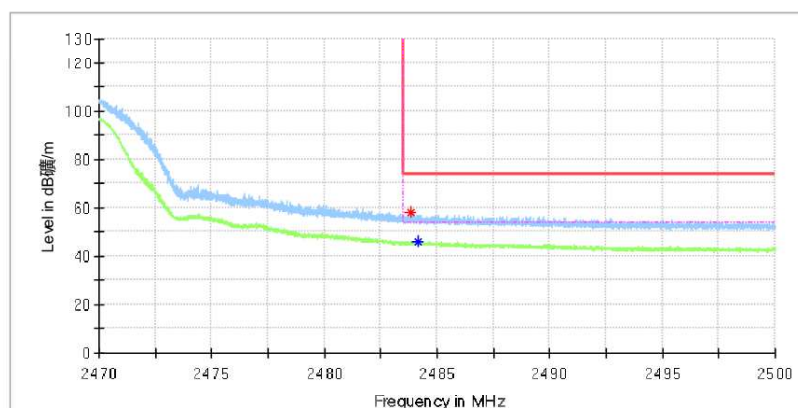
EMI Auto Test(1)

3 / 8

## Test Report

### EUT Information

EUT Name: Digital media receiver  
Model: B7W644  
TestMode: Wi-Fi 2.4G 11g\_Ch11  
TestVoltage: AC 120V@60Hz  
Remark: Temp 24 Humi:45%  
TestStandard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.813235     | 58.22            | ---              | 74.00          | 15.78       | 100.0       | H   | 357.0         | 7.4          |
| 2484.188235     | ---              | 46.21            | 54.00          | 7.79        | 100.0       | H   | 319.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---              | ---            | ---         | ---         | --- | ---           | ---          |

27/5/2020

10:46:26 AM

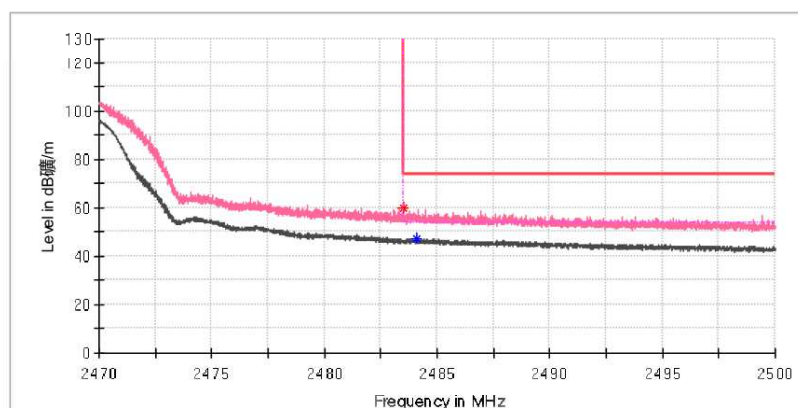
EMI Auto Test(1)

4 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11g_Ch11    |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 24 Humi:45%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.526471     | 59.78            | ---              | 74.00          | 14.22       | 100.0       | V   | 140.0         | 7.4          |
| 2484.091177     | ---              | 47.40            | 54.00          | 6.60        | 100.0       | V   | 140.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

27/5/2020

10:46:26 AM

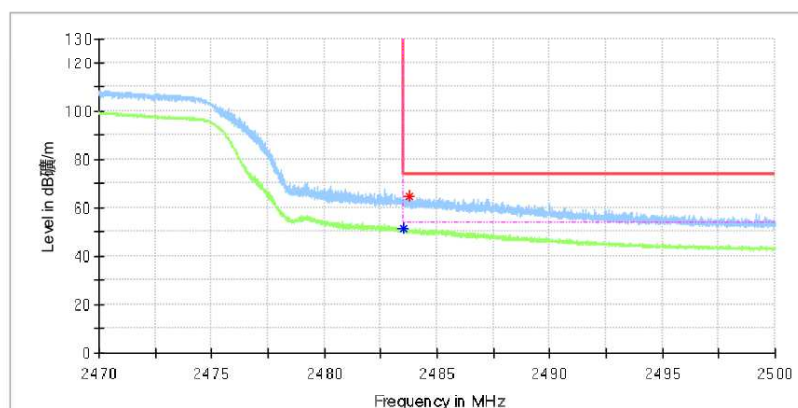
EMI Auto Test(1)

5 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11g_Ch12    |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 24 Humi:45%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.535294     | ---              | 51.62            | 54.00          | 2.38        | 100.0       | H   | 308.0         | 7.4          |
| 2483.755882     | 64.52            | ---              | 74.00          | 9.48        | 100.0       | H   | 308.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---              | ---            | ---         | ---         | --- | ---           | ---          |

27/5/2020

10:46:26 AM

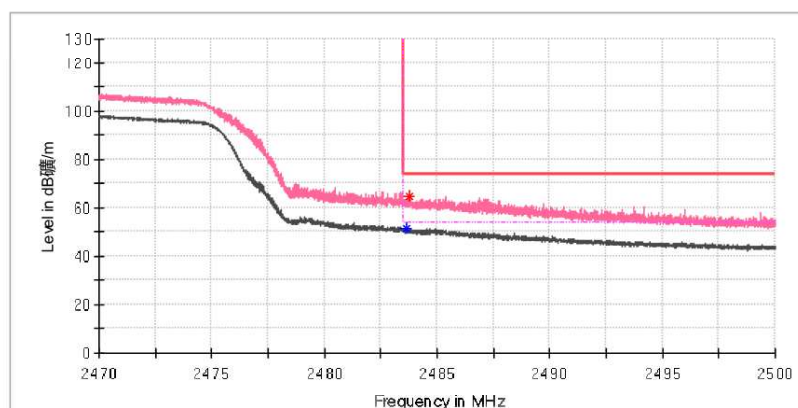
EMI Auto Test(1)

6 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11g_Ch12    |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 24 Humi:45%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.654412     | ---              | 51.40            | 54.00          | 2.60        | 100.0       | V   | 168.0         | 7.4          |
| 2483.773530     | 64.50            | ---              | 74.00          | 9.50        | 100.0       | V   | 157.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

27/5/2020

10:46:26 AM

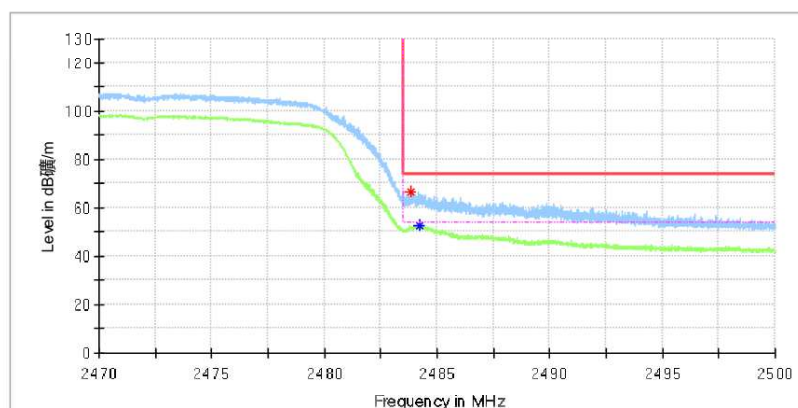
EMI Auto Test(1)

7 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11g_Ch13    |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 24 Humi:45%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.839706     | 66.48            | ---              | 74.00          | 7.52        | 100.0       | H   | 314.0         | 7.4          |
| 2484.227941     | ---              | 52.74            | 54.00          | 1.26        | 100.0       | H   | 314.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---              | ---            | ---         | ---         | --- | ---           | ---          |

27/5/2020

10:46:26 AM

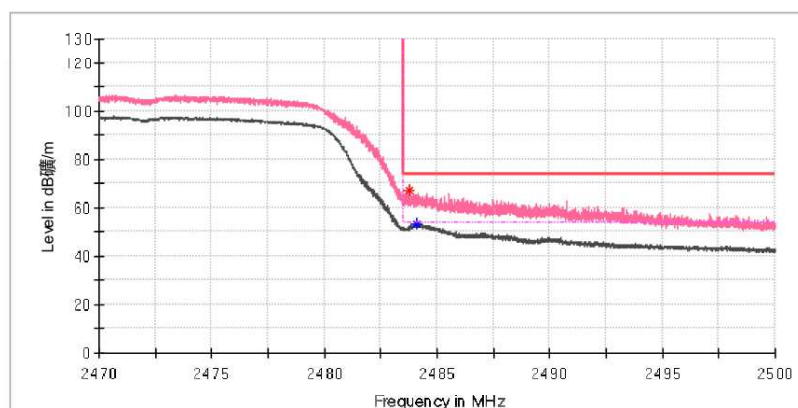
EMI Auto Test(1)

8 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11g_Ch13    |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 24 Humi:45%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.755882     | 66.89            | ---              | 74.00          | 7.11        | 100.0       | V   | 138.0         | 7.4          |
| 2484.126471     | ---              | 53.42            | 54.00          | 0.58        | 100.0       | V   | 114.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

27/5/2020

10:46:26 AM

## Wi-Fi 802.11 n(HT20) mode, MCS0

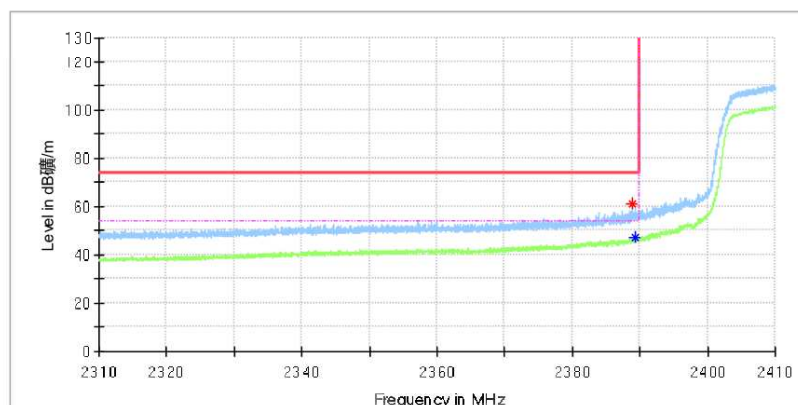
EMI Auto Test(1)

1 / 8

# Test Report

## EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11n_Ch1     |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 22 Humi:50%       |
| TestStandard:  | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



## Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2388.882353     | 61.06            | ---              | 74.00          | 12.94       | 100.0       | H   | 306.0         | 7.0          |
| 2389.323529     | ---              | 47.23            | 54.00          | 6.77        | 100.0       | H   | 306.0         | 7.0          |

## Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---              | ---            | ---         | ---         | --- | ---           | ---          |

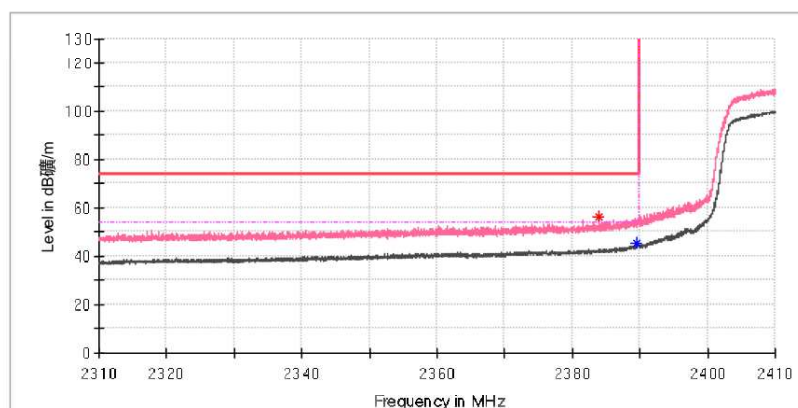
EMI Auto Test(1)

2 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11n_Ch1     |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 22 Humi:50%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2383.882353     | 56.53            | ---              | 74.00          | 17.47       | 100.0       | V   | 238.0         | 7.0          |
| 2389.632353     | ---              | 45.17            | 54.00          | 8.83        | 100.0       | V   | 134.0         | 7.0          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

20/5/2020

3:29:26 PM

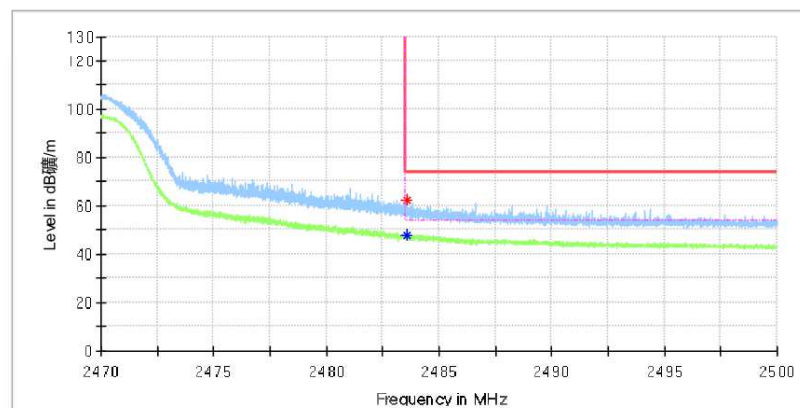
EMI Auto Test(1)

3 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11n_Ch11    |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 22 Humi:50%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.566177     | 62.52            | ---              | 74.00          | 11.48       | 100.0       | H   | 334.0         | 7.4          |
| 2483.579412     | ---              | 47.84            | 54.00          | 6.16        | 100.0       | H   | 334.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---              | ---            | ---         | ---         | --- | ---           | ---          |

20/5/2020

3:29:26 PM

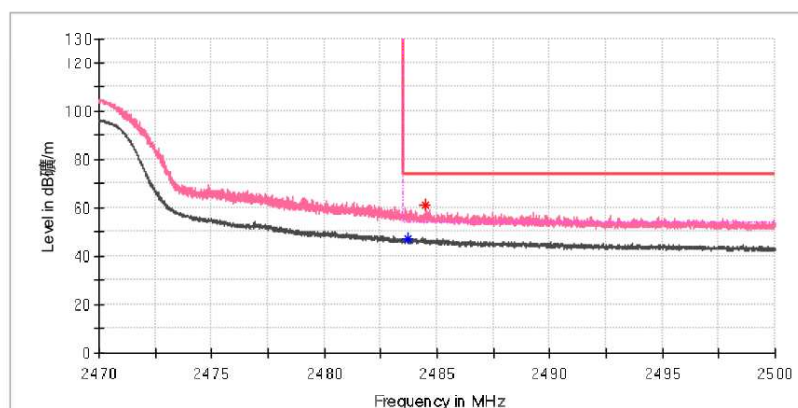
EMI Auto Test(1)

4 / 8

## Test Report

### EUT Information

|               |                        |
|---------------|------------------------|
| EUT Name:     | Digital media receiver |
| Model:        | B7W644                 |
| TestMode:     | Wi-Fi 2.4G 11n_Ch11    |
| TestVoltage:: | AC 120V@60Hz           |
| Remark:       | Temp 22 Humi:50%       |
| TestStandard: | FCC 15.247             |
| Tested By:    | Kei Zhang              |
| Reviewed By:  | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.711765     | ---              | 47.11            | 54.00          | 6.89        | 100.0       | V   | 132.0         | 7.4          |
| 2484.470588     | 61.28            | ---              | 74.00          | 12.72       | 100.0       | V   | 132.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

20/5/2020

3:29:26 PM

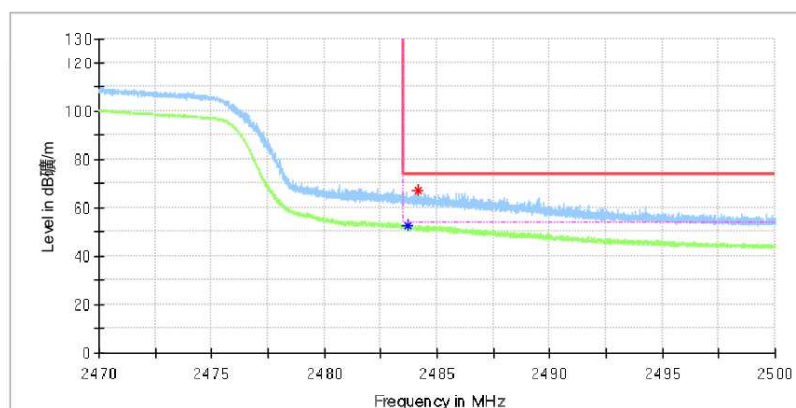
EMI Auto Test(1)

5 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11n_Ch12    |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 24 Humi:45%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.680882     | ---              | 52.85            | 54.00          | 1.15        | 100.0       | H   | 314.0         | 7.4          |
| 2484.157353     | 66.83            | ---              | 74.00          | 7.17        | 100.0       | H   | 49.0          | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---              | ---            | ---         | ---         | --- | ---           | ---          |

20/5/2020

3:29:26 PM

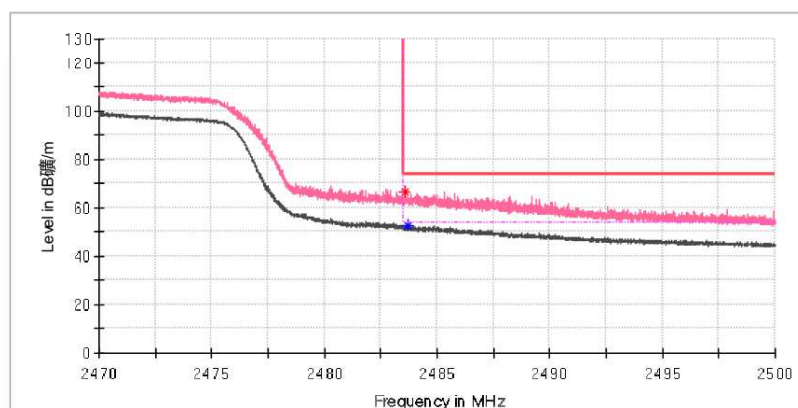
EMI Auto Test(1)

6 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11n_Ch12    |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 24 Humi:45%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.570588     | 66.53            | ---              | 74.00          | 7.47        | 100.0       | V   | 108.0         | 7.4          |
| 2483.720588     | ---              | 52.42            | 54.00          | 1.58        | 100.0       | V   | 136.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

20/5/2020

3:29:26 PM

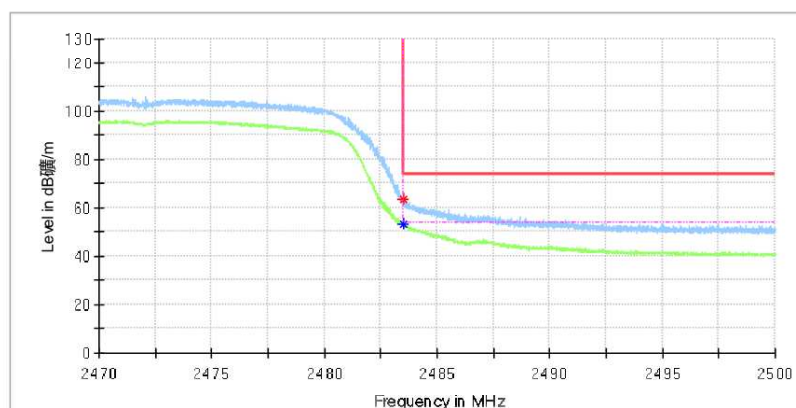
EMI Auto Test(1)

7 / 8

## Test Report

### EUT Information

EUT Name: Digital media receiver  
Model: B7W644  
TestMode: Wi-Fi 2.4G 11n\_Ch13  
Test Voltage: AC 120V@60Hz  
Remark: Temp 24 Humi:45%  
Test Standard: FCC 15.247  
Tested By: Kei Zhang  
Reviewed By: Terry Yin



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.535294     | 63.64            | ---              | 74.00          | 10.36       | 100.0       | H   | 303.0         | 7.4          |
| 2483.544118     | ---              | 53.28            | 54.00          | 0.72        | 100.0       | H   | 291.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---              | ---            | ---         | ---         | --- | ---           | ---          |

20/5/2020

3:29:26 PM

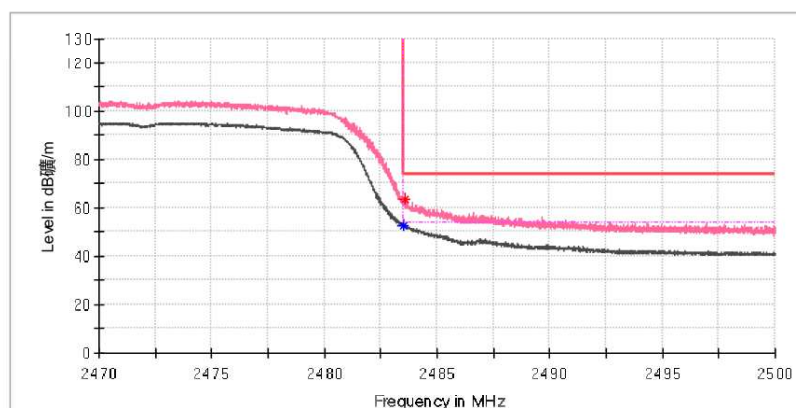
EMI Auto Test(1)

8 / 8

## Test Report

### EUT Information

|                |                        |
|----------------|------------------------|
| EUT Name:      | Digital media receiver |
| Model:         | B7W644                 |
| TestMode:      | Wi-Fi 2.4G 11n_Ch13    |
| Test Voltage:: | AC 120V@60Hz           |
| Remark:        | Temp 24 Humi:45%       |
| Test Standard: | FCC 15.247             |
| Tested By:     | Kei Zhang              |
| Reviewed By:   | Terry Yin              |



### Critical Freqs

| Frequency (MHz) | MaxPeak (dBμV/m) | Average (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| 2483.517647     | ---              | 52.81            | 54.00          | 1.19        | 100.0       | V   | 136.0         | 7.4          |
| 2483.557353     | 63.58            | ---              | 74.00          | 10.42       | 100.0       | V   | 148.0         | 7.4          |

### Final Result

| Frequency (MHz) | MaxPeak (dBμV/m) | Limit (dBμV/m) | Margin (dB) | Height (cm) | Pol | Azimuth (deg) | Corr. (dB/m) |
|-----------------|------------------|----------------|-------------|-------------|-----|---------------|--------------|
| ---             | ---              | ---            | ---         | ---         | --- | ---           | ---          |

20/5/2020

3:29:26 PM

## Appendix B.7: Test Results of Conducted Emission on AC Mains

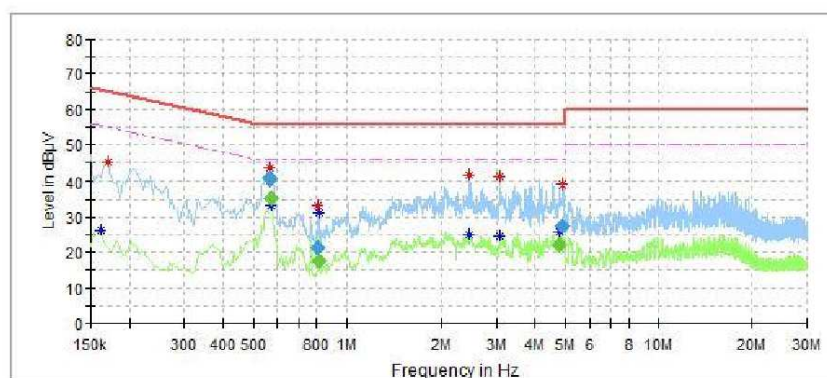
Wi-Fi connecting mode

1 / 2

### Test Report

#### EUT Information

|               |                                                             |
|---------------|-------------------------------------------------------------|
| EUT Name:     | Digital media receiver                                      |
| Model:        | B7W644                                                      |
| Order No:     | 168264965                                                   |
| Test Mode:    | Normal operation mode                                       |
| Test Voltage: | AC 120V/60Hz                                                |
| Test By:      | Charlie Wang                                                |
| Review By:    | Gary Chen                                                   |
| Remark:       | Speaker & Lineout output normal, lineout port with earphone |



#### Critical Freqs

| Frequency (MHz) | Max Peak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|-----------------|----------------|--------------|-------------|------|------------|
| 0.162000        | ---             | 26.43          | 55.36        | 28.93       | L1   | 9.6        |
| 0.170000        | 45.26           | ---            | 64.96        | 19.70       | L1   | 9.6        |
| 0.568500        | 43.57           | ---            | 56.00        | 12.43       | L1   | 9.7        |
| 0.572500        | ---             | 33.31          | 46.00        | 12.69       | L1   | 9.7        |
| 0.811500        | 33.38           | ---            | 56.00        | 22.62       | L1   | 9.7        |
| 0.816500        | ---             | 31.17          | 46.00        | 14.83       | L1   | 9.7        |
| 2.456000        | ---             | 25.19          | 46.00        | 20.81       | L1   | 9.8        |
| 2.464000        | 41.37           | ---            | 56.00        | 14.63       | L1   | 9.8        |
| 3.084000        | ---             | 24.81          | 46.00        | 21.19       | L1   | 9.8        |
| 3.084000        | 40.83           | ---            | 56.00        | 15.17       | L1   | 9.8        |
| 4.807500        | ---             | 26.01          | 46.00        | 19.99       | L1   | 9.9        |
| 4.904500        | 38.92           | ---            | 56.00        | 17.08       | L1   | 9.9        |

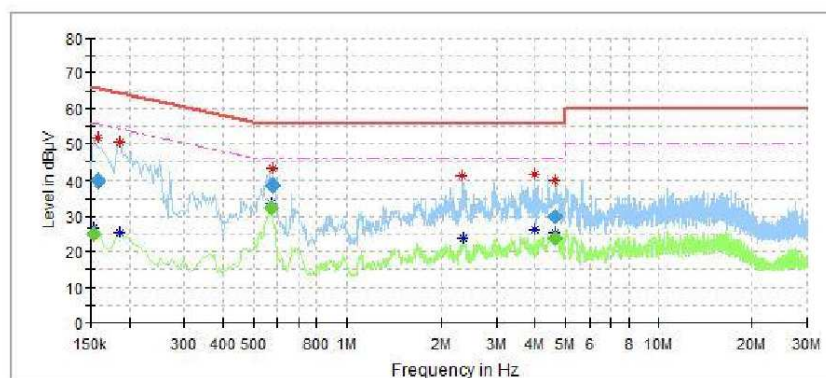
#### Final Result

| Frequency (MHz) | Quasi Peak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|-------------------|----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.568500        | 40.81             | ---            | 56.00        | 15.19       | 200.0           | 9.000           | L1   | 9.7        |
| 0.572500        | ---               | 35.31          | 46.00        | 10.69       | 200.0           | 9.000           | L1   | 9.7        |
| 0.811500        | 21.49             | ---            | 56.00        | 34.51       | 200.0           | 9.000           | L1   | 9.7        |
| 0.816500        | ---               | 17.83          | 46.00        | 28.17       | 200.0           | 9.000           | L1   | 9.7        |
| 4.807500        | ---               | 22.02          | 46.00        | 23.98       | 200.0           | 9.000           | L1   | 9.9        |
| 4.904500        | 27.57             | ---            | 56.00        | 28.43       | 200.0           | 9.000           | L1   | 9.9        |

## Test Report

### EUT Information

|               |                                                             |
|---------------|-------------------------------------------------------------|
| EUT Name:     | Digital media receiver                                      |
| Model:        | B7W644                                                      |
| Order No:     | 168264965                                                   |
| Test Mode:    | Working                                                     |
| Test Voltage: | AC 120V/60Hz                                                |
| Test By:      | Charlie Wang                                                |
| Review By:    | Gary Chen                                                   |
| Remark:       | Speaker & Lineout output normal, lineout port with earphone |



### Critical Freqs

| Frequency (MHz) | Max Peak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Line | Corr. (dB) |
|-----------------|-----------------|----------------|--------------|-------------|------|------------|
| 0.153500        | ---             | 26.66          | 55.57        | 28.90       | N    | 9.6        |
| 0.158500        | 51.74           | ---            | 65.78        | 14.05       | N    | 9.6        |
| 0.186000        | ---             | 25.31          | 54.21        | 28.90       | N    | 9.6        |
| 0.186000        | 50.48           | ---            | 64.21        | 13.73       | N    | 9.6        |
| 0.571500        | ---             | 33.50          | 46.00        | 12.50       | N    | 9.7        |
| 0.576500        | 42.94           | ---            | 56.00        | 13.06       | N    | 9.7        |
| 2.336000        | 40.92           | ---            | 56.00        | 15.08       | N    | 9.7        |
| 2.340000        | ---             | 23.73          | 46.00        | 22.27       | N    | 9.7        |
| 3.996000        | ---             | 26.06          | 46.00        | 19.94       | N    | 9.8        |
| 3.996000        | 41.48           | ---            | 56.00        | 14.52       | N    | 9.8        |
| 4.636500        | 39.82           | ---            | 56.00        | 16.18       | N    | 9.9        |
| 4.640500        | ---             | 25.64          | 46.00        | 20.36       | N    | 9.9        |

### Final Result

| Frequency (MHz) | Quasi Peak (dBμV) | Average (dBμV) | Limit (dBμV) | Margin (dB) | Meas. Time (ms) | Bandwidth (kHz) | Line | Corr. (dB) |
|-----------------|-------------------|----------------|--------------|-------------|-----------------|-----------------|------|------------|
| 0.153500        | ---               | 25.12          | 55.81        | 30.69       | 200.0           | 9.000           | N    | 9.6        |
| 0.158500        | 39.74             | ---            | 65.54        | 25.80       | 200.0           | 9.000           | N    | 9.6        |
| 0.571500        | ---               | 32.34          | 46.00        | 13.66       | 200.0           | 9.000           | N    | 9.7        |
| 0.576500        | 38.38             | ---            | 56.00        | 17.62       | 200.0           | 9.000           | N    | 9.7        |
| 4.636500        | 29.94             | ---            | 56.00        | 26.06       | 200.0           | 9.000           | N    | 9.9        |
| 4.640500        | ---               | 23.99          | 46.00        | 22.01       | 200.0           | 9.000           | N    | 9.9        |