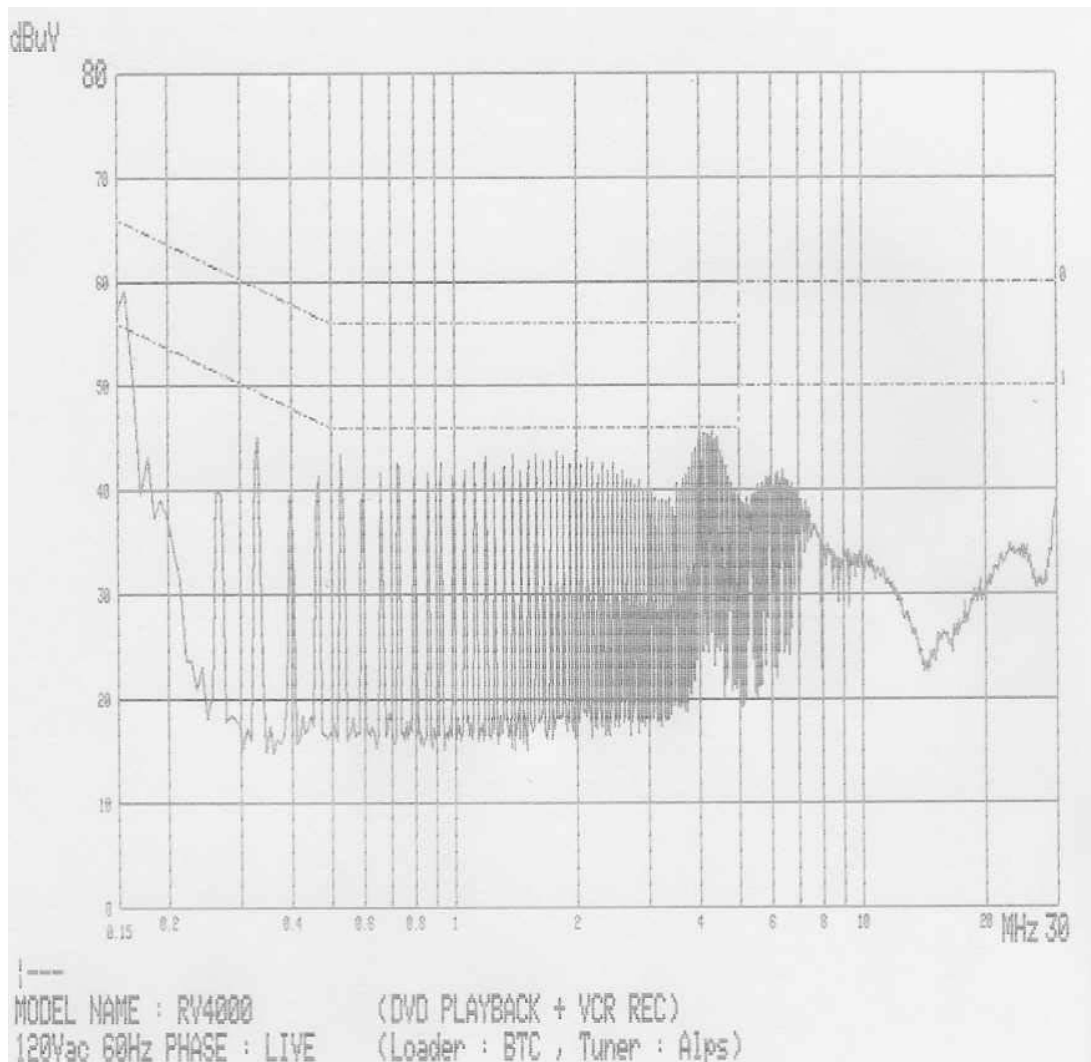


### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

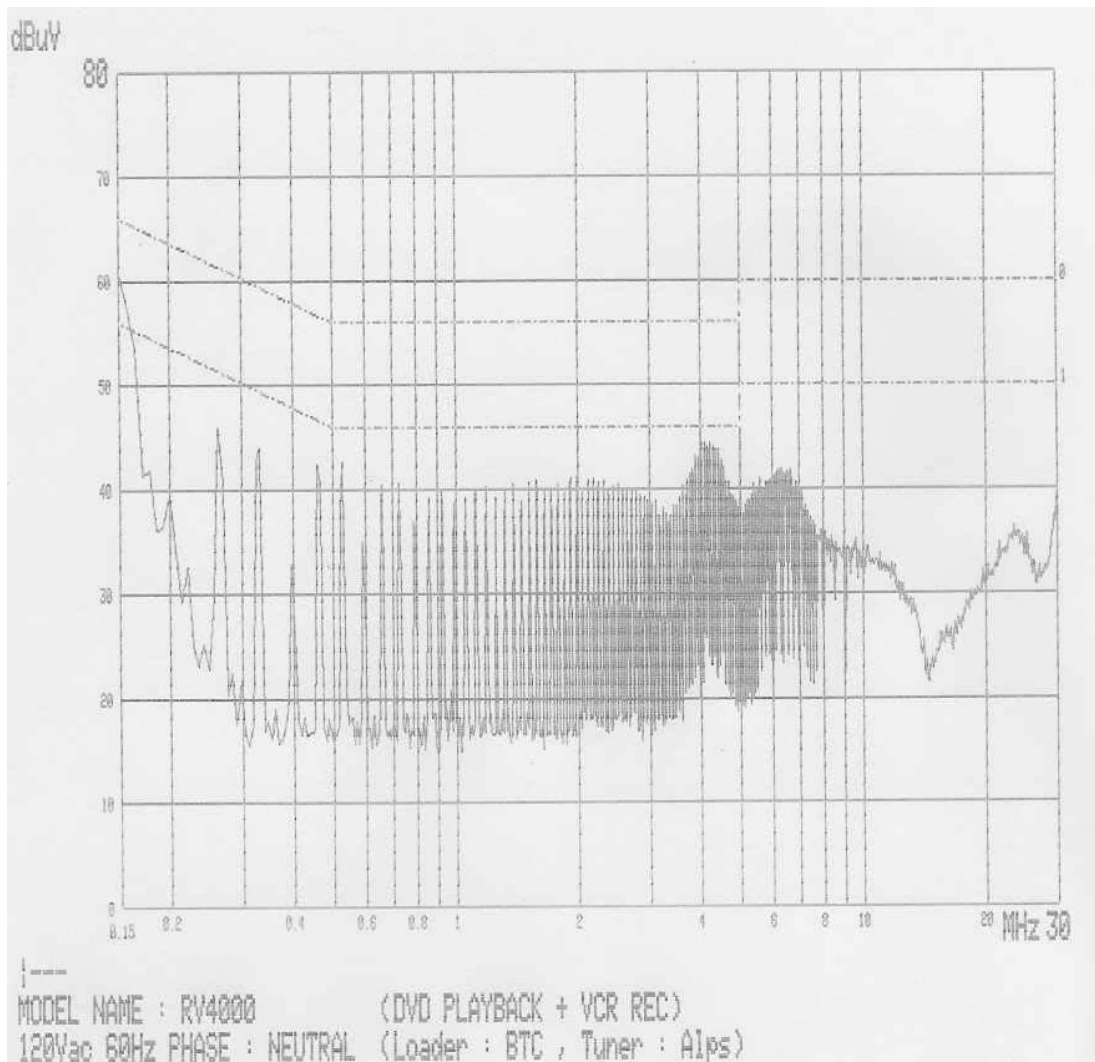
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.0                        | 12.9    | 66.0                  | 56.0    | 10.0           | 43.1    |
| 0.330          | 44.3                        | 43.5    | 59.5                  | 49.5    | 15.2           | 6.0     |
| 0.528          | 43.4                        | 42.8    | 56.0                  | 46.0    | 12.6           | 3.2     |
| 4.216          | 44.1                        | 41.5    | 56.0                  | 46.0    | 11.9           | 4.5     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

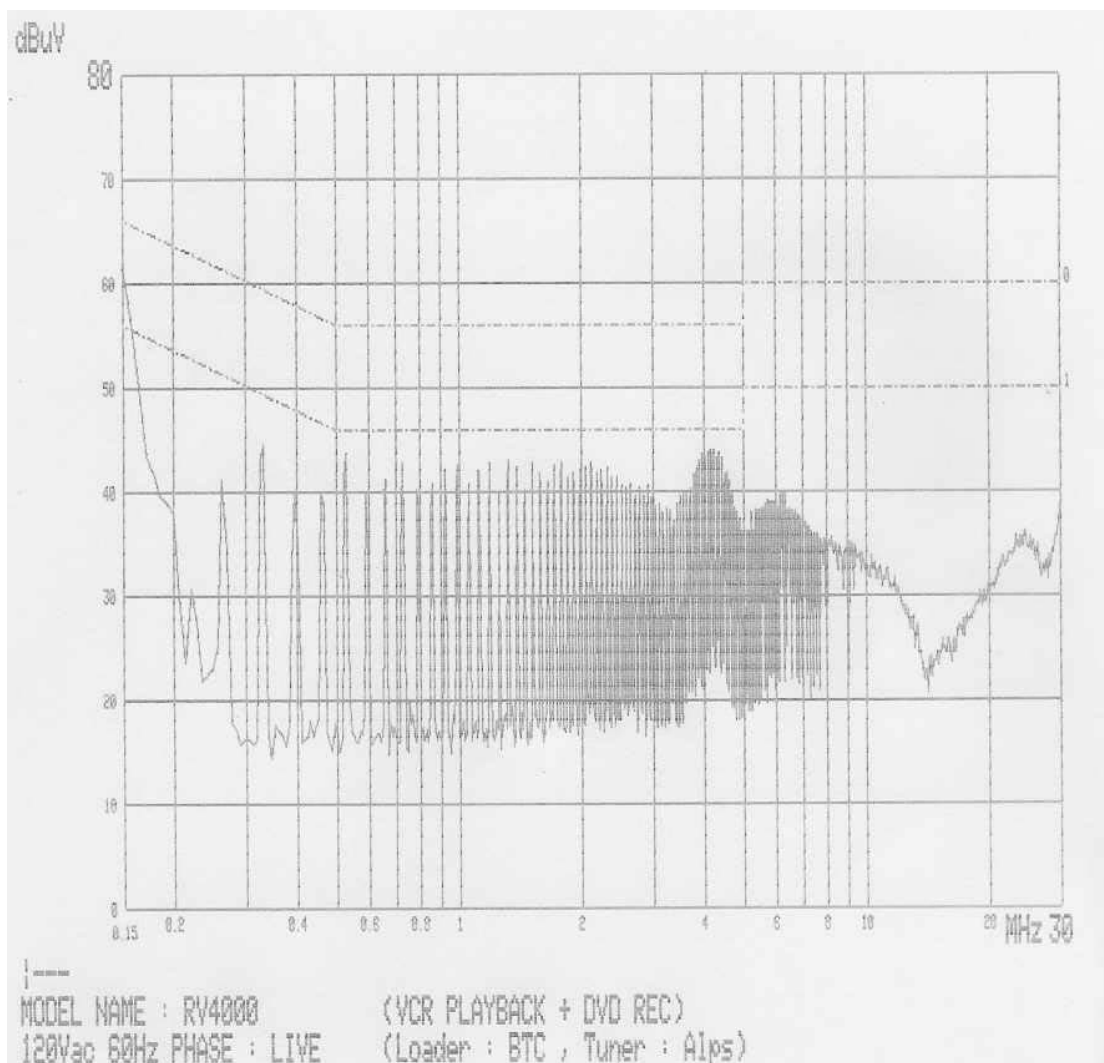
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.9                        | 12.6    | 66.0                  | 56.0    | 10.1           | 43.4    |
| 0.263          | 45.8                        | 45.3    | 61.3                  | 51.3    | 15.5           | 6.0     |
| 0.329          | 44.5                        | 43.7    | 59.5                  | 49.5    | 15.0           | 5.8     |
| 4.215          | 43.4                        | 41.3    | 56.0                  | 46.0    | 12.6           | 4.7     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

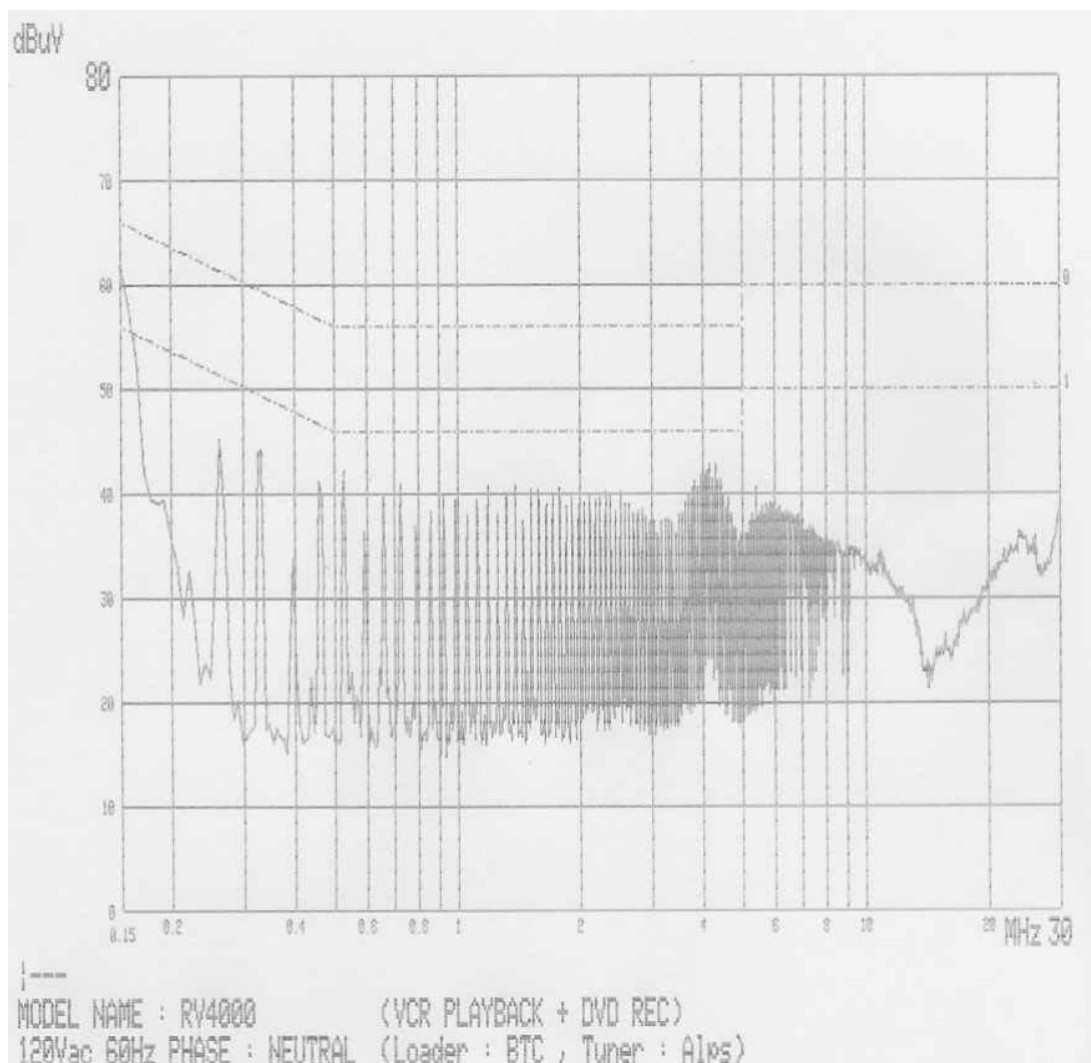
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.2                        | 13.4    | 66.0                  | 56.0    | 9.8            | 42.6    |
| 0.329          | 44.2                        | 43.4    | 59.5                  | 49.5    | 15.3           | 6.1     |
| 0.527          | 43.3                        | 42.7    | 56.0                  | 46.0    | 12.7           | 3.3     |
| 4.285          | 43.5                        | 41.1    | 56.0                  | 46.0    | 12.5           | 4.9     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

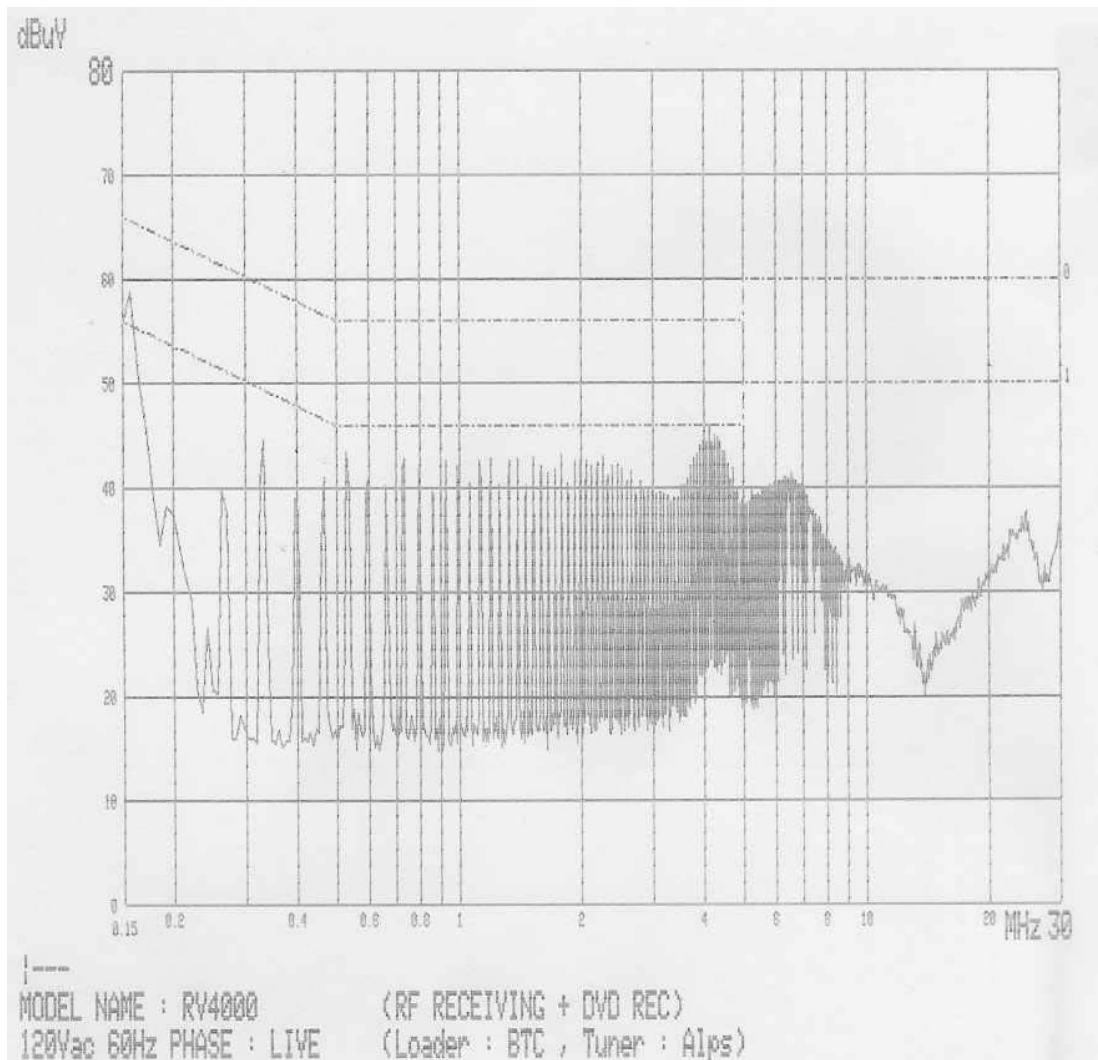
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.1                        | 12.8    | 66.0                  | 56.0    | 9.9            | 43.2    |
| 0.263          | 45.4                        | 45.0    | 61.3                  | 51.3    | 15.9           | 6.3     |
| 0.329          | 44.4                        | 43.7    | 59.5                  | 49.5    | 15.1           | 5.8     |
| 4.216          | 42.3                        | 39.7    | 56.0                  | 46.0    | 13.7           | 6.3     |

Note :

### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

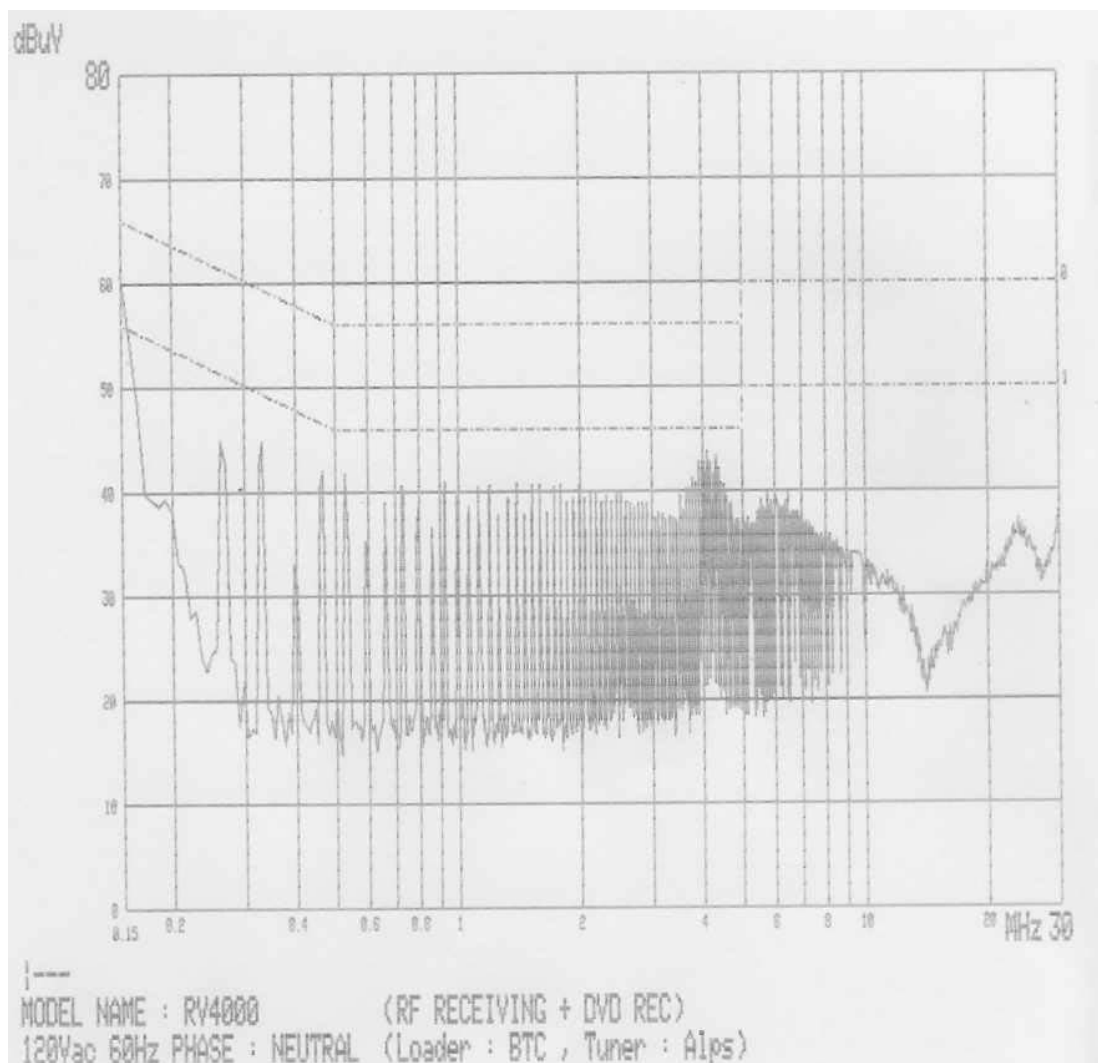
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.0                        | 13.4    | 66.0                  | 56.0    | 10.0           | 42.6    |
| 0.331          | 44.2                        | 43.1    | 59.4                  | 49.4    | 15.2           | 6.3     |
| 0.530          | 43.4                        | 42.9    | 56.0                  | 46.0    | 12.6           | 3.1     |
| 4.177          | 44.4                        | 42.1    | 56.0                  | 46.0    | 11.6           | 3.9     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A(ALPS)

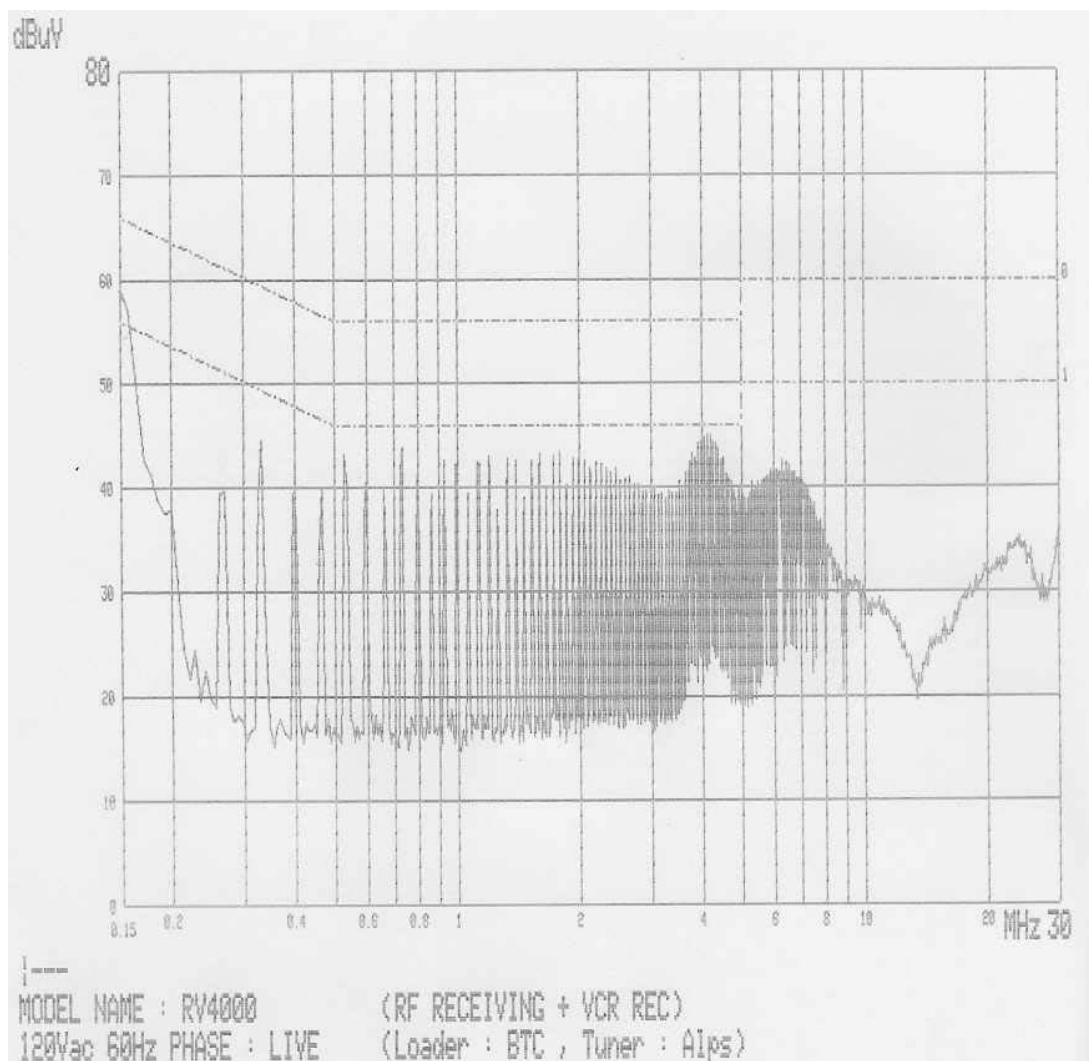
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.9                        | 12.5    | 66.0                  | 56.0    | 10.1           | 43.5    |
| 0.265          | 45.2                        | 44.6    | 61.3                  | 51.3    | 16.1           | 6.7     |
| 0.332          | 44.3                        | 43.7    | 59.4                  | 49.4    | 15.1           | 5.7     |
| 4.175          | 43.4                        | 41.3    | 56.0                  | 46.0    | 12.6           | 4.7     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

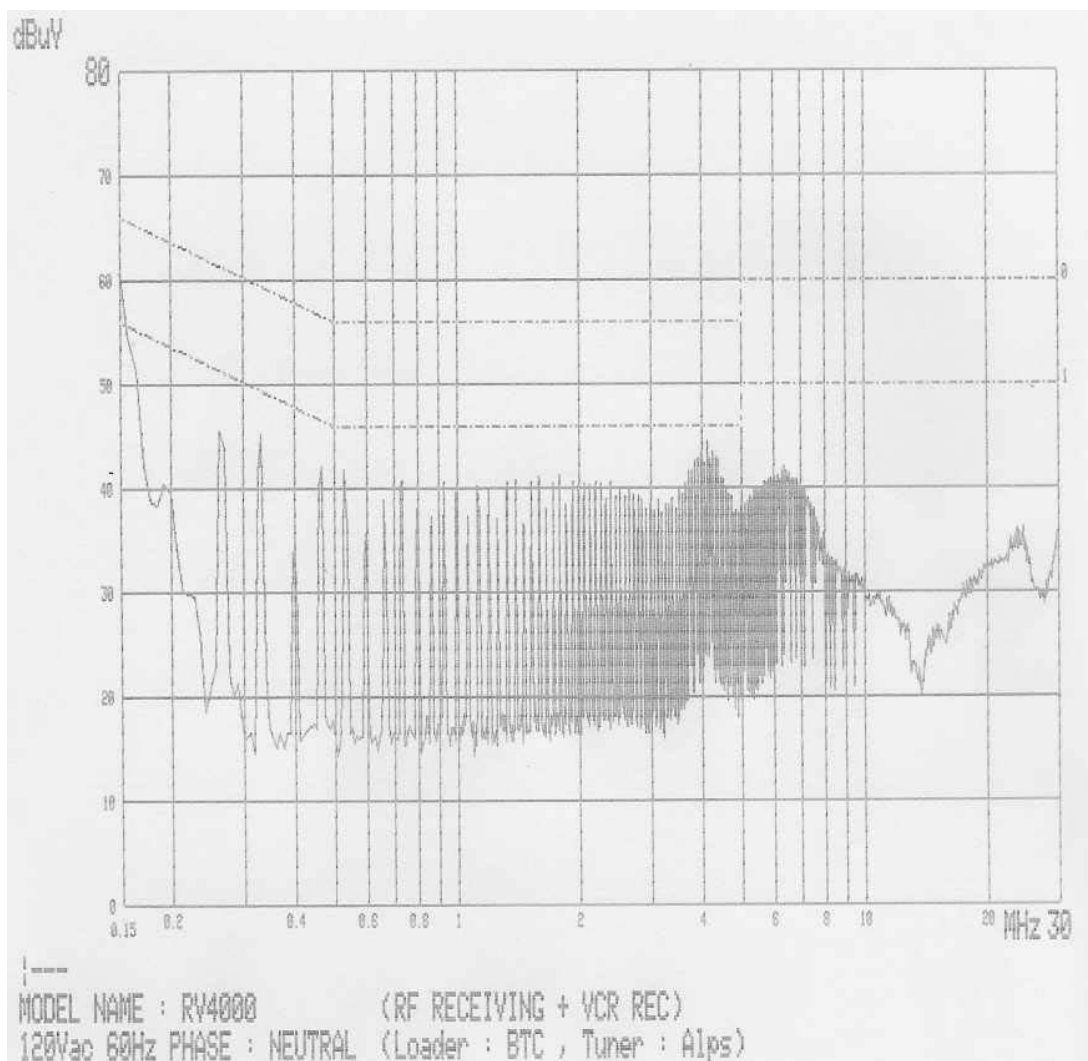
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.5                        | 12.4    | 66.0                  | 56.0    | 10.5           | 43.6    |
| 0.332          | 44.3                        | 43.5    | 59.4                  | 49.4    | 15.1           | 5.9     |
| 0.530          | 43.4                        | 42.9    | 56.0                  | 46.0    | 12.6           | 3.1     |
| 4.177          | 44.4                        | 42.1    | 56.0                  | 46.0    | 11.6           | 3.9     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

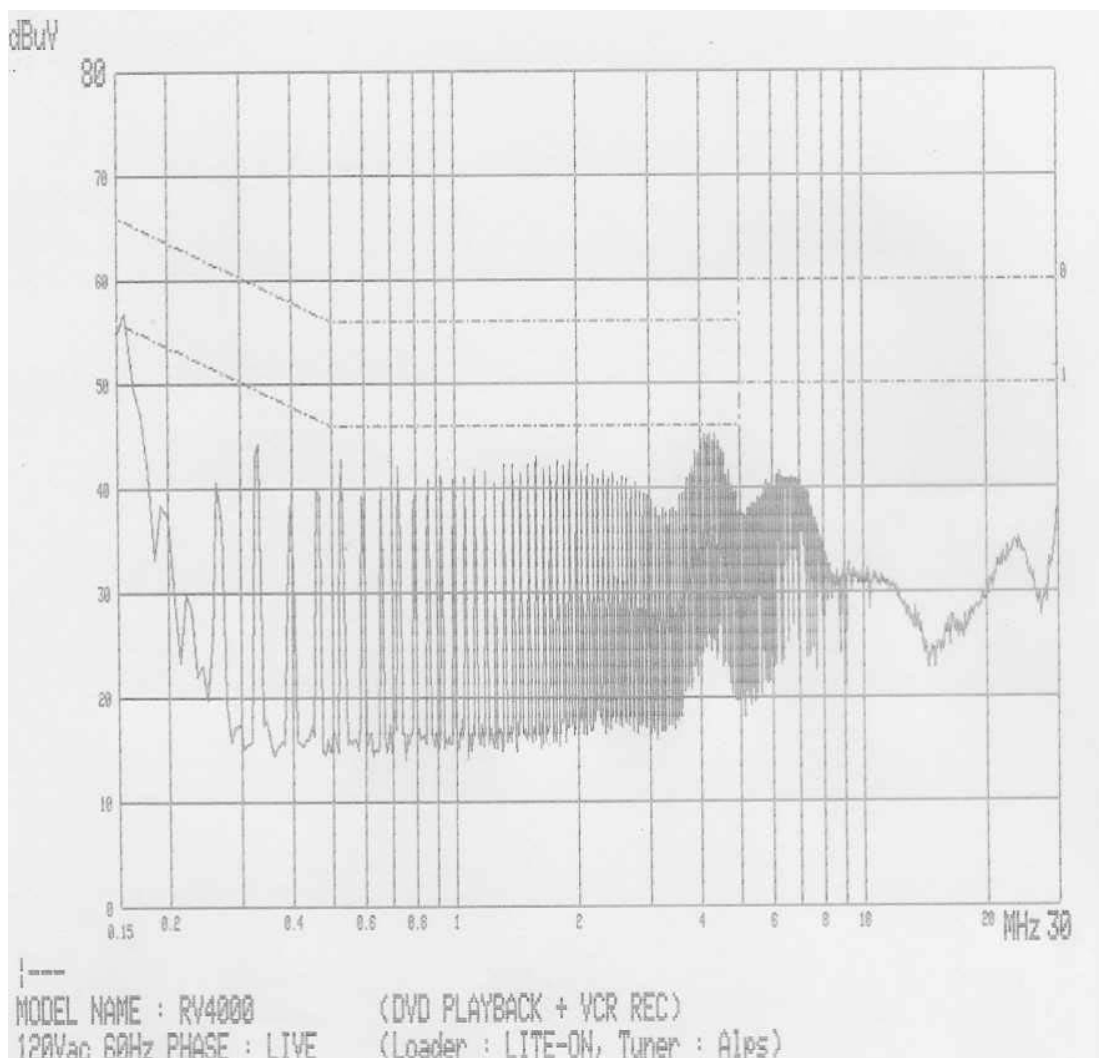
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.9                        | 12.5    | 66.0                  | 56.0    | 10.1           | 43.5    |
| 0.264          | 45.2                        | 44.6    | 61.3                  | 51.3    | 16.1           | 6.7     |
| 0.331          | 44.3                        | 43.7    | 59.4                  | 49.4    | 15.1           | 5.7     |
| 4.175          | 43.4                        | 41.3    | 56.0                  | 46.0    | 12.6           | 4.7     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

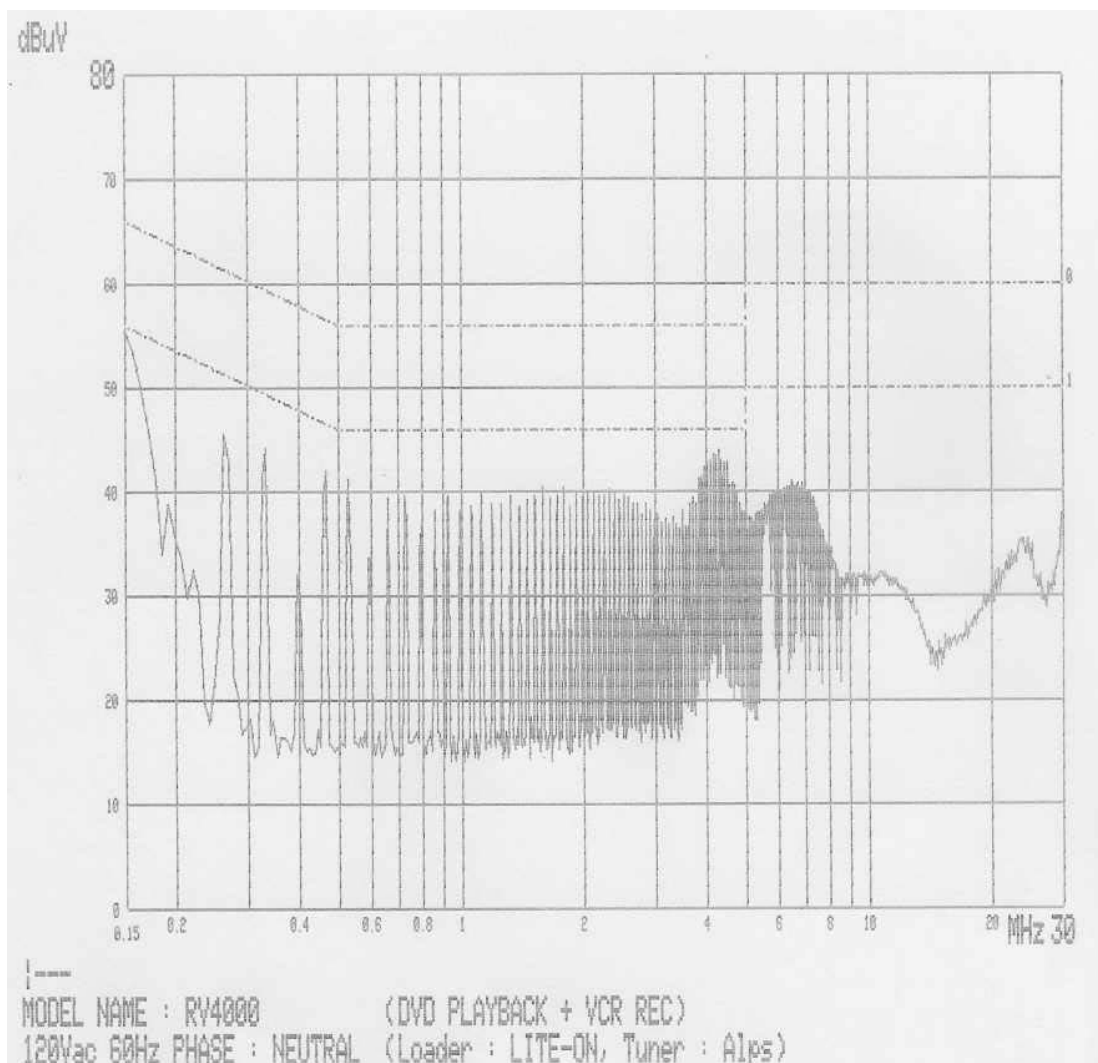
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.4                        | 12.0    | 66.0                  | 56.0    | 10.6           | 44.0    |
| 0.329          | 43.5                        | 42.6    | 59.5                  | 49.5    | 16.0           | 6.9     |
| 0.526          | 42.6                        | 41.9    | 56.0                  | 46.0    | 13.4           | 4.1     |
| 4.275          | 44.1                        | 42.1    | 56.0                  | 46.0    | 11.9           | 3.9     |

Note :

### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A(ALPS)

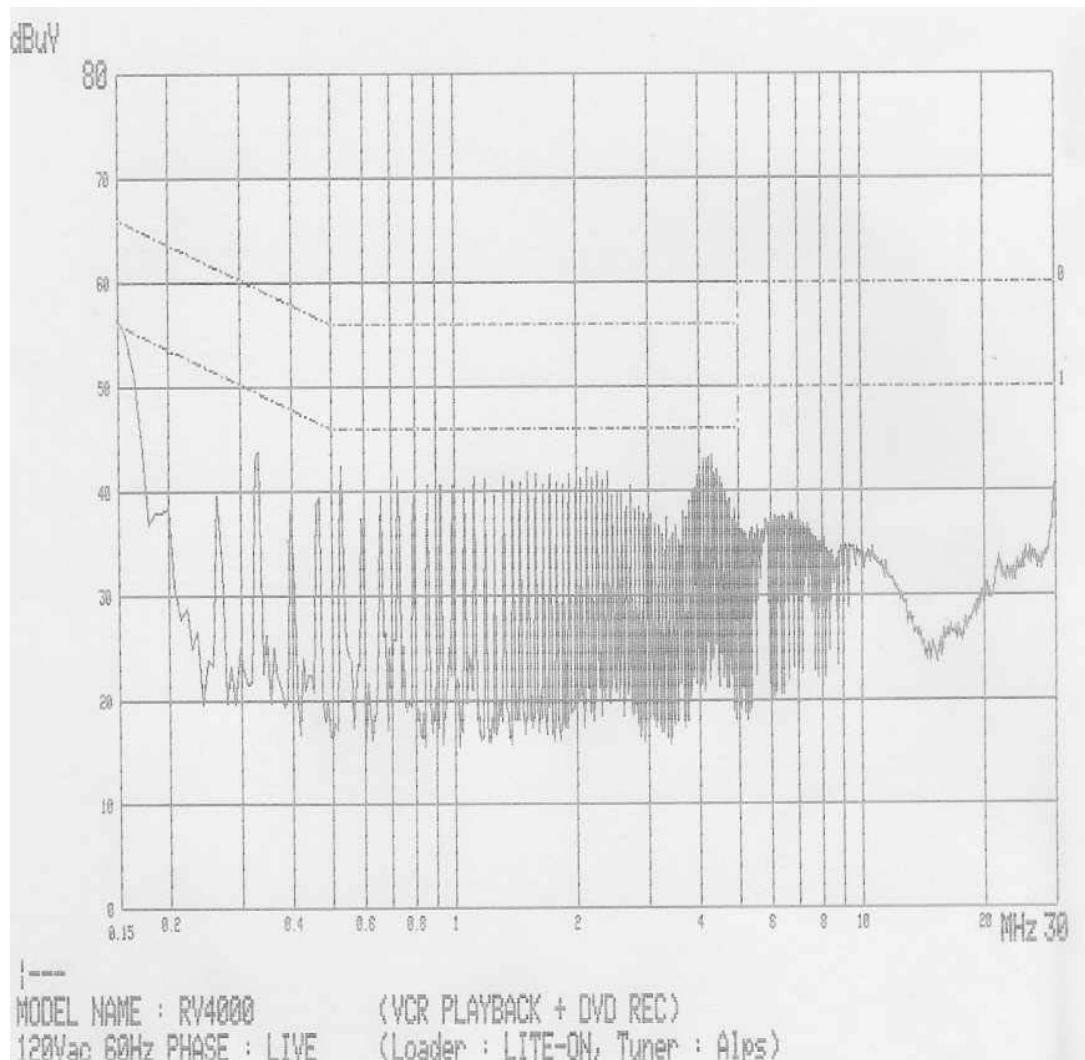
Loader : DDW-451S(LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.8                        | 12.1    | 66.0                  | 56.0    | 10.2           | 43.9    |
| 0.263          | 45.1                        | 44.6    | 61.3                  | 51.3    | 16.2           | 6.7     |
| 0.329          | 43.8                        | 42.9    | 59.5                  | 49.5    | 15.7           | 6.6     |
| 4.277          | 43.2                        | 41.2    | 56.0                  | 46.0    | 12.8           | 4.8     |

Note :

## Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

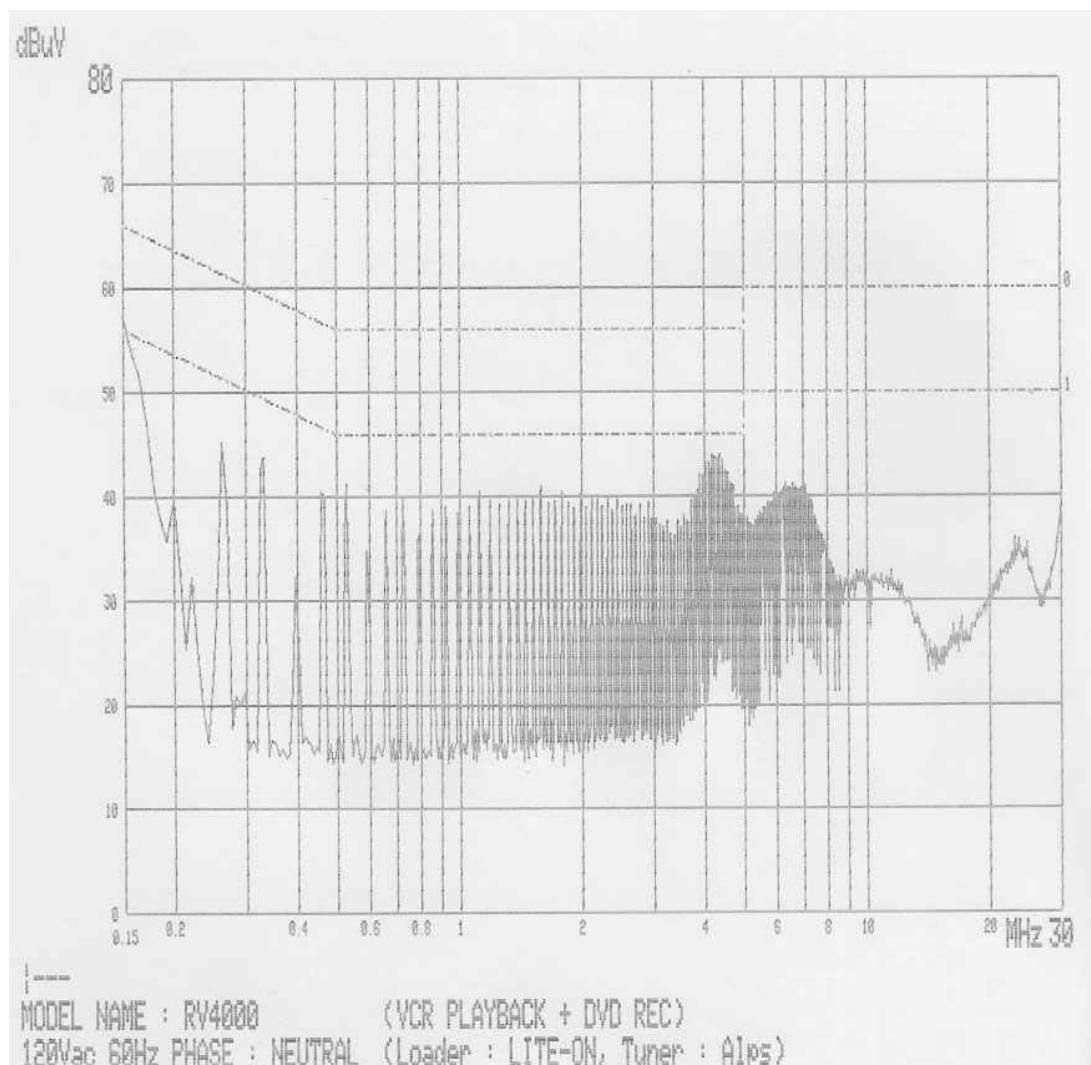
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.3                        | 13.6    | 66.0                  | 56.0    | 10.7           | 42.4    |
| 0.329          | 43.2                        | 42.3    | 59.5                  | 49.5    | 16.3           | 7.2     |
| 0.527          | 42.5                        | 41.8    | 56.0                  | 46.0    | 13.5           | 4.2     |
| 4.285          | 42.6                        | 40.5    | 56.0                  | 46.0    | 13.4           | 5.5     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

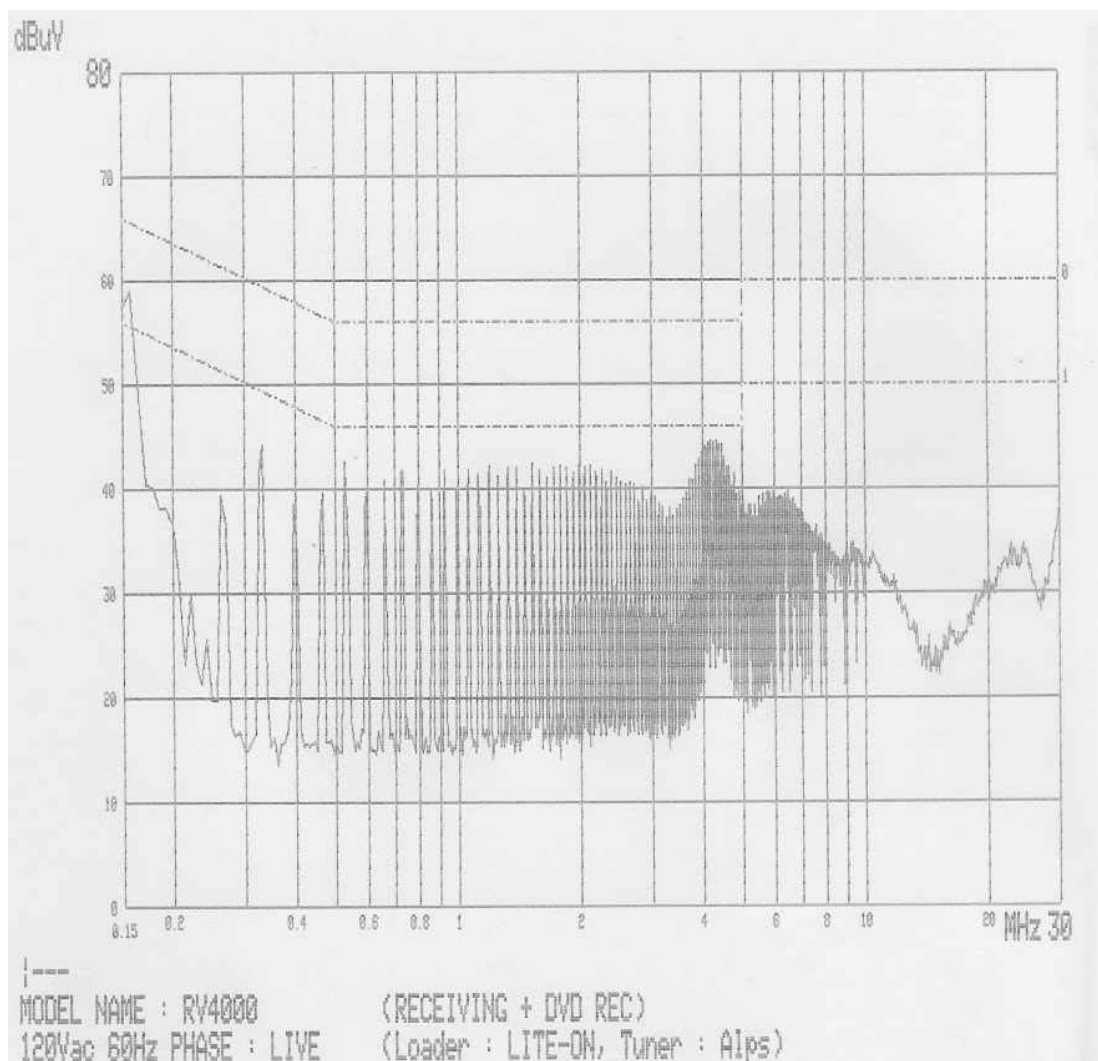
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.2                        | 12.1    | 66.0                  | 56.0    | 10.8           | 43.9    |
| 0.263          | 45.0                        | 44.6    | 61.3                  | 51.3    | 16.3           | 6.7     |
| 0.329          | 43.8                        | 43.0    | 59.5                  | 49.5    | 15.7           | 6.5     |
| 4.283          | 43.3                        | 41.2    | 56.0                  | 46.0    | 12.7           | 4.8     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

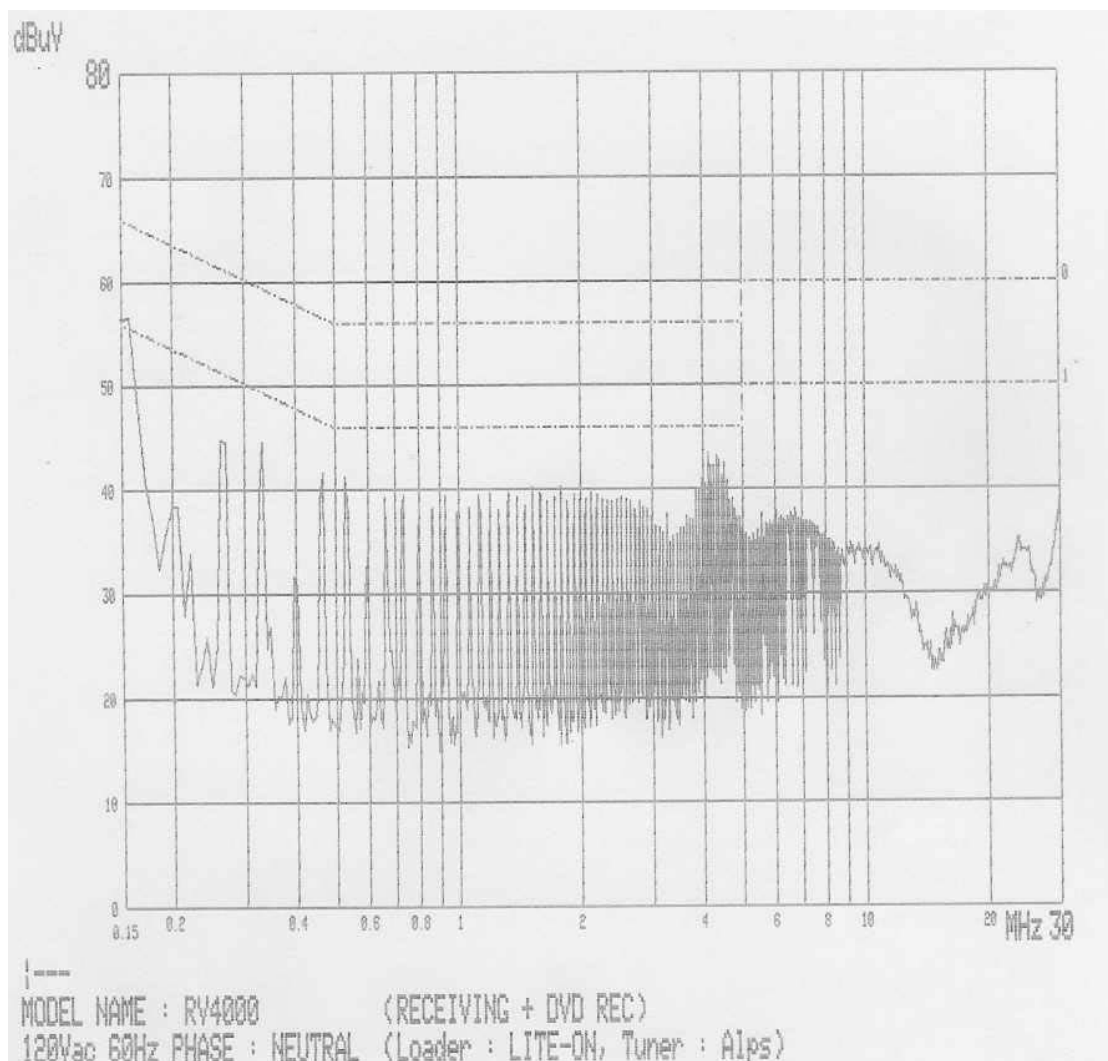
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.3                        | 12.1    | 66.0                  | 56.0    | 10.7           | 43.9    |
| 0.330          | 43.4                        | 42.7    | 59.5                  | 49.5    | 16.1           | 6.8     |
| 0.258          | 42.9                        | 42.3    | 61.5                  | 51.5    | 18.6           | 9.2     |
| 4.229          | 44.1                        | 41.8    | 56.0                  | 46.0    | 11.9           | 4.2     |

Note :

### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

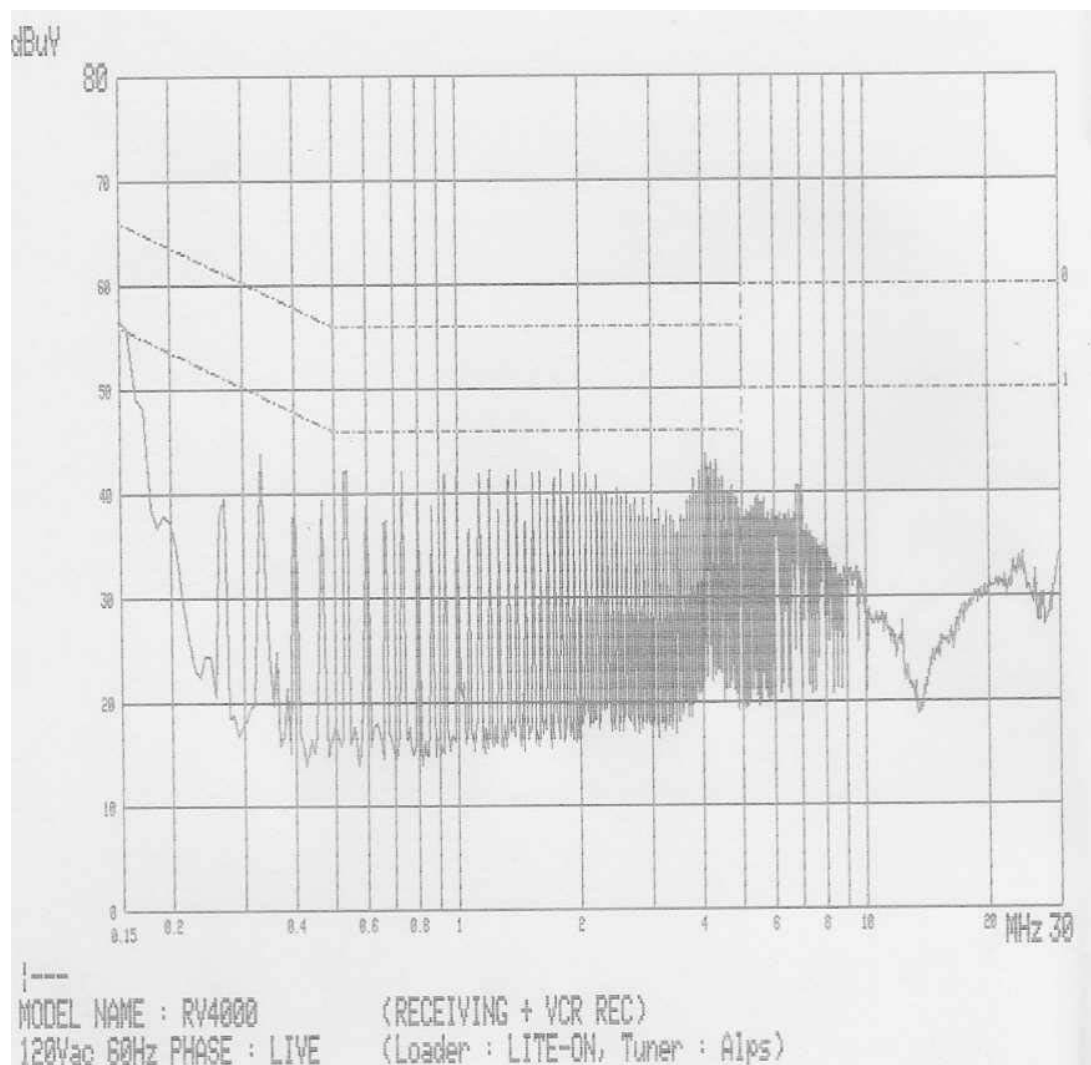
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.3                        | 12.1    | 66.0                  | 56.0    | 10.7           | 43.9    |
| 0.265          | 44.9                        | 43.2    | 61.3                  | 51.3    | 16.4           | 8.1     |
| 0.331          | 43.8                        | 43.1    | 59.4                  | 49.4    | 15.6           | 6.3     |
| 4.102          | 42.3                        | 40.2    | 56.0                  | 46.0    | 13.7           | 5.8     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

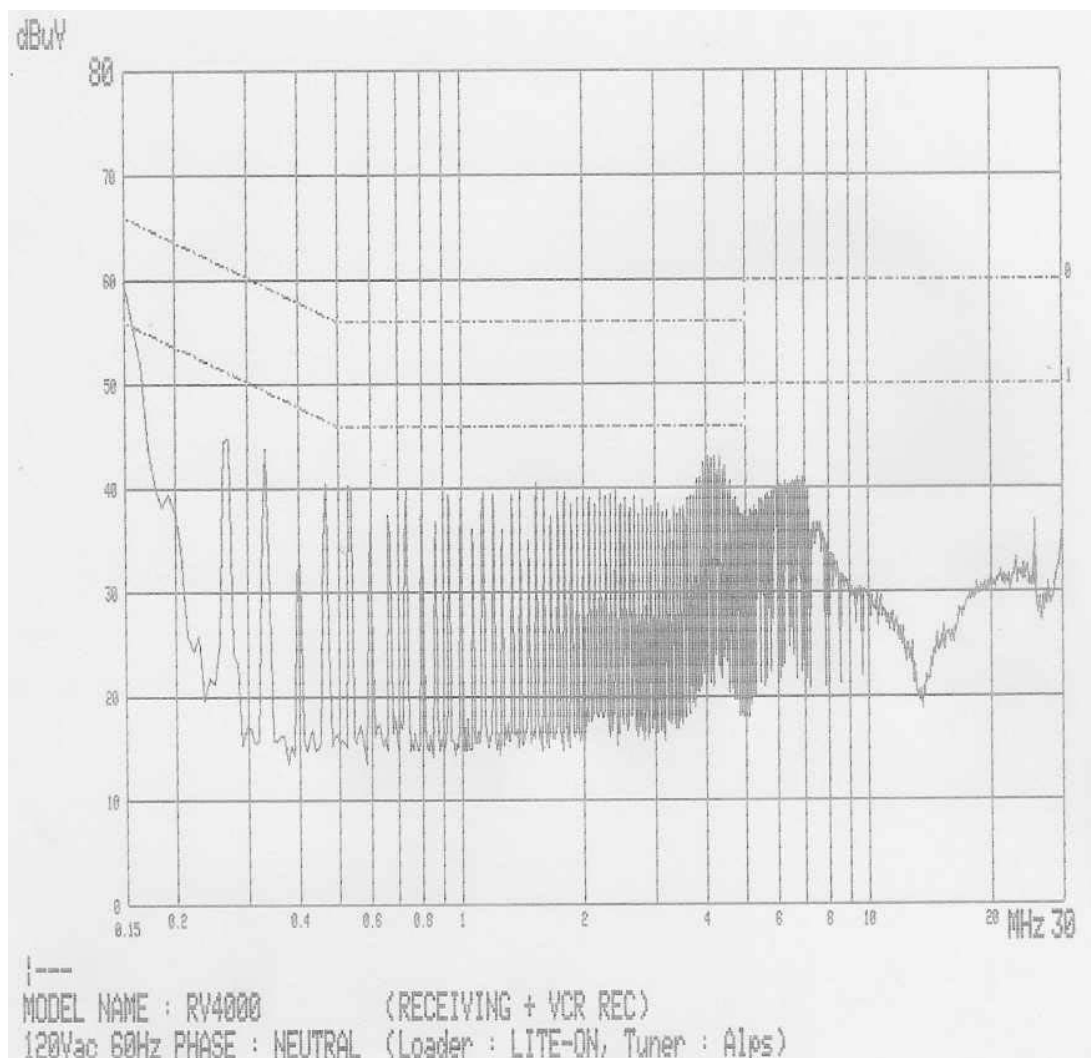
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB μV] |         | Limit<br>[dB μV] |         | Margin<br>[dB] |         |
|----------------|------------------------|---------|------------------|---------|----------------|---------|
|                | Q-peak                 | Average | Q-peak           | Average | Q-peak         | Average |
| 0.150          | 54.4                   | 12.0    | 66.0             | 56.0    | 11.6           | 44.0    |
| 0.332          | 43.4                   | 42.9    | 59.4             | 49.4    | 16.0           | 6.5     |
| 0.530          | 42.5                   | 42.1    | 56.0             | 46.0    | 13.5           | 3.9     |
| 4.051          | 43.2                   | 40.2    | 56.0             | 46.0    | 12.8           | 5.8     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

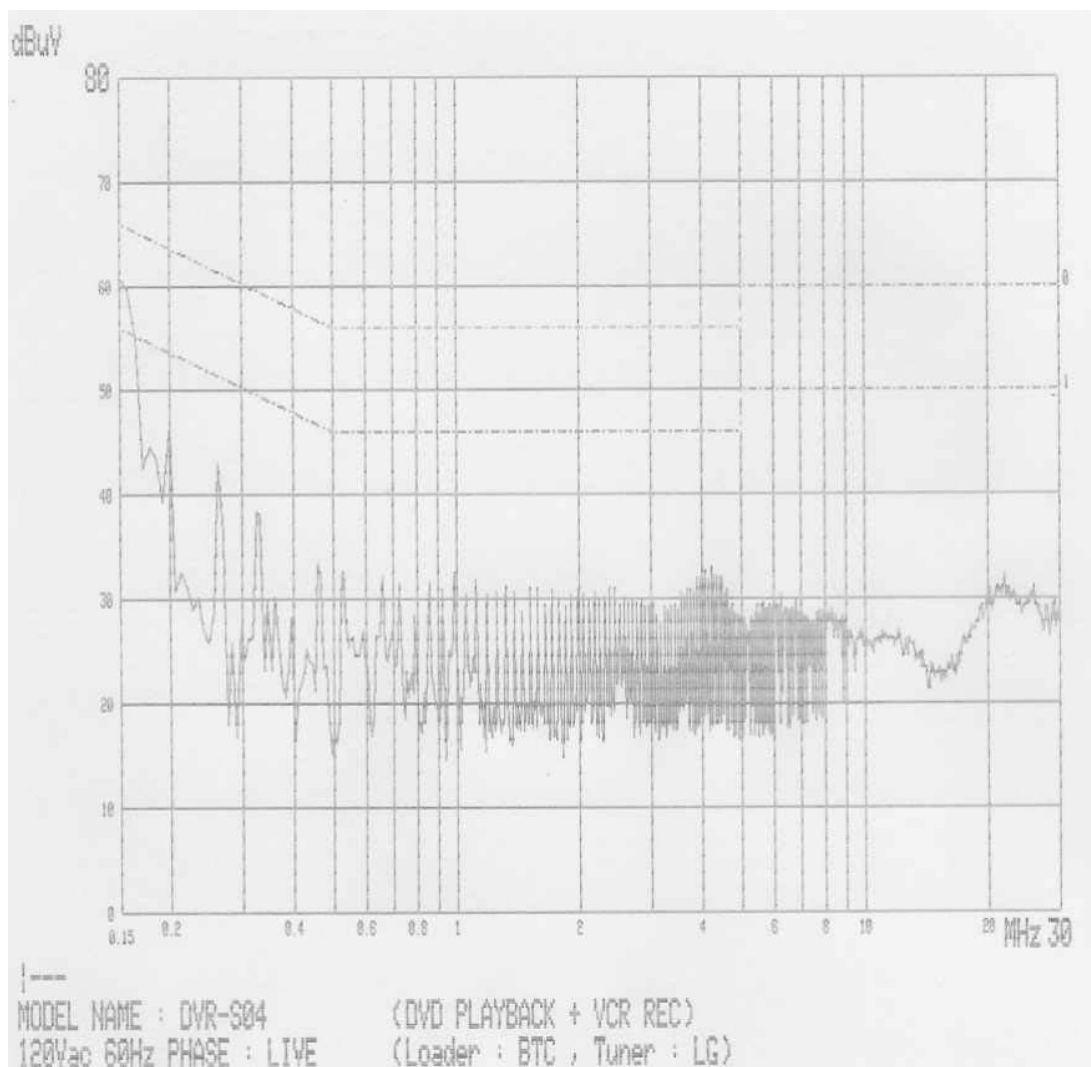
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.7                        | 12.4    | 66.0                  | 56.0    | 11.3           | 43.6    |
| 0.265          | 44.2                        | 43.7    | 61.3                  | 51.3    | 17.1           | 7.6     |
| 0.332          | 43.4                        | 43.0    | 59.4                  | 49.4    | 16.0           | 6.4     |
| 4.048          | 42.3                        | 38.9    | 56.0                  | 46.0    | 13.7           | 7.1     |

Note :

## Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

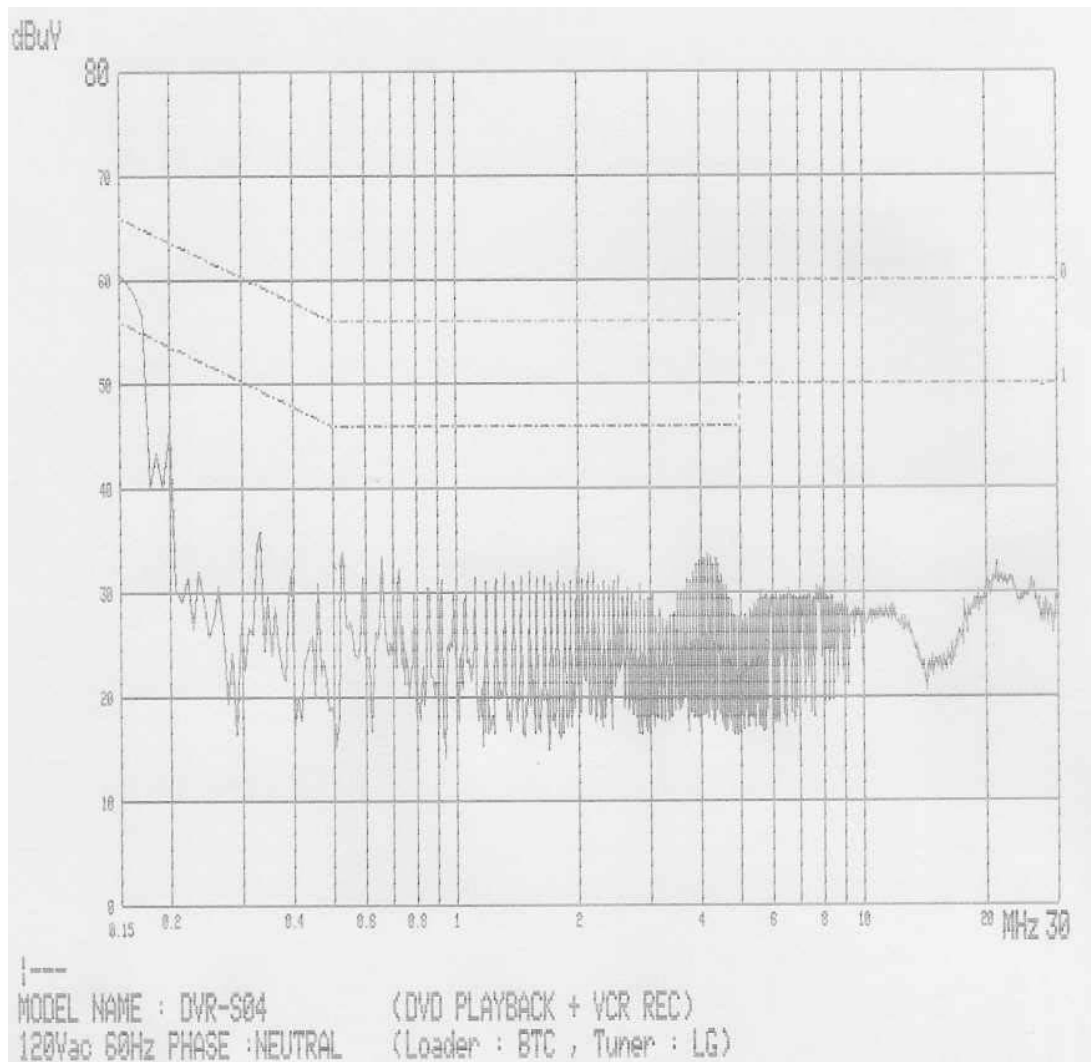
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.3                        | 17.9    | 66.0                  | 56.0    | 10.7           | 38.1    |
| 0.198          | 46.0                        | 34.7    | 63.7                  | 53.7    | 17.7           | 19.0    |
| 0.263          | 43.0                        | 40.9    | 61.3                  | 51.3    | 18.3           | 10.4    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

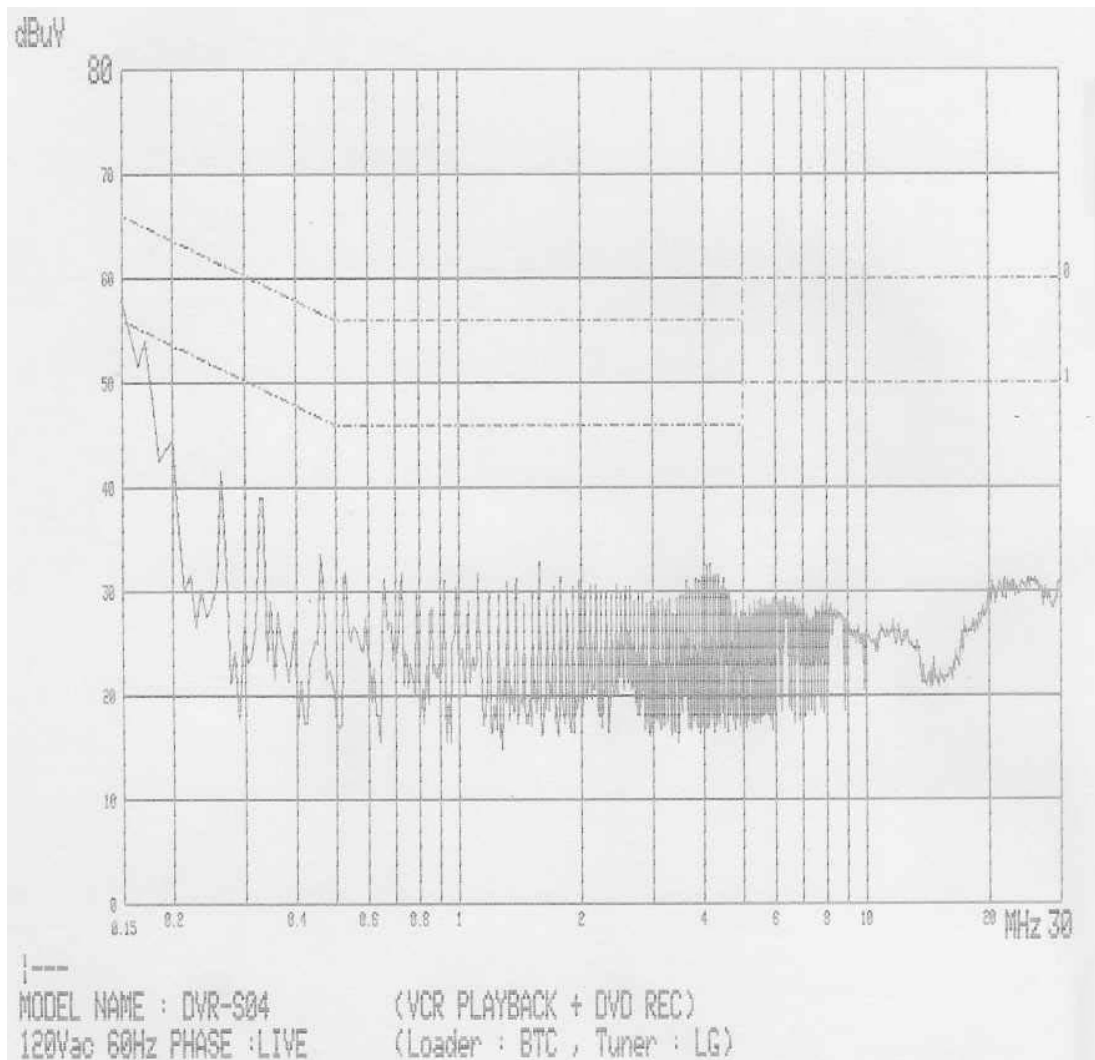
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.3                        | 18.1    | 66.0                  | 56.0    | 10.7           | 37.9    |
| 0.197          | 44.2                        | 34.1    | 63.7                  | 53.7    | 19.5           | 19.6    |
| 0.328          | 35.6                        | 31.0    | 59.5                  | 49.5    | 23.9           | 18.5    |

Note :

### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

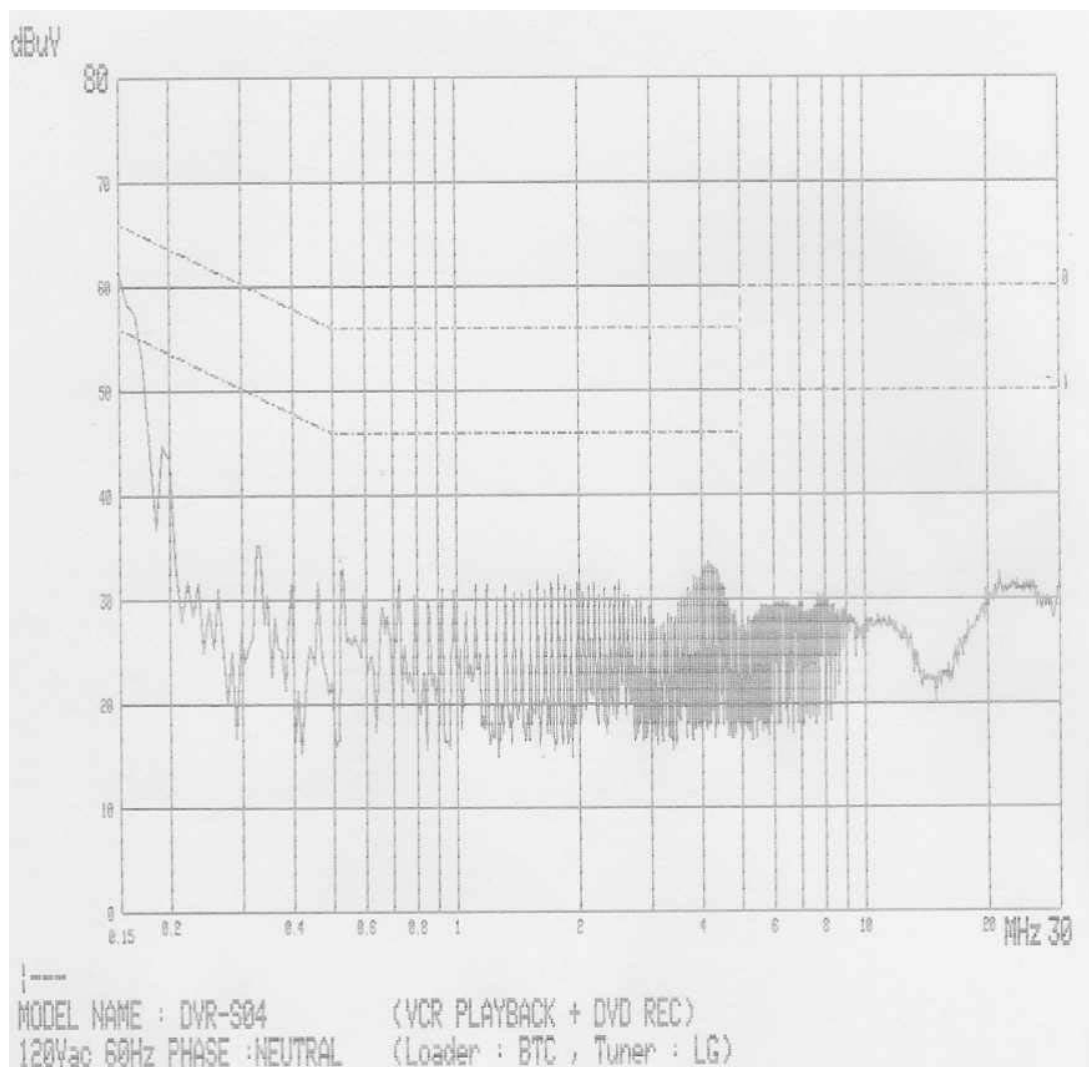
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.5                        | 18.6    | 66.0                  | 56.0    | 10.5           | 37.4    |
| 0.198          | 46.5                        | 34.4    | 63.7                  | 53.7    | 17.2           | 19.3    |
| 0.263          | 42.7                        | 40.7    | 61.3                  | 51.3    | 18.6           | 10.6    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

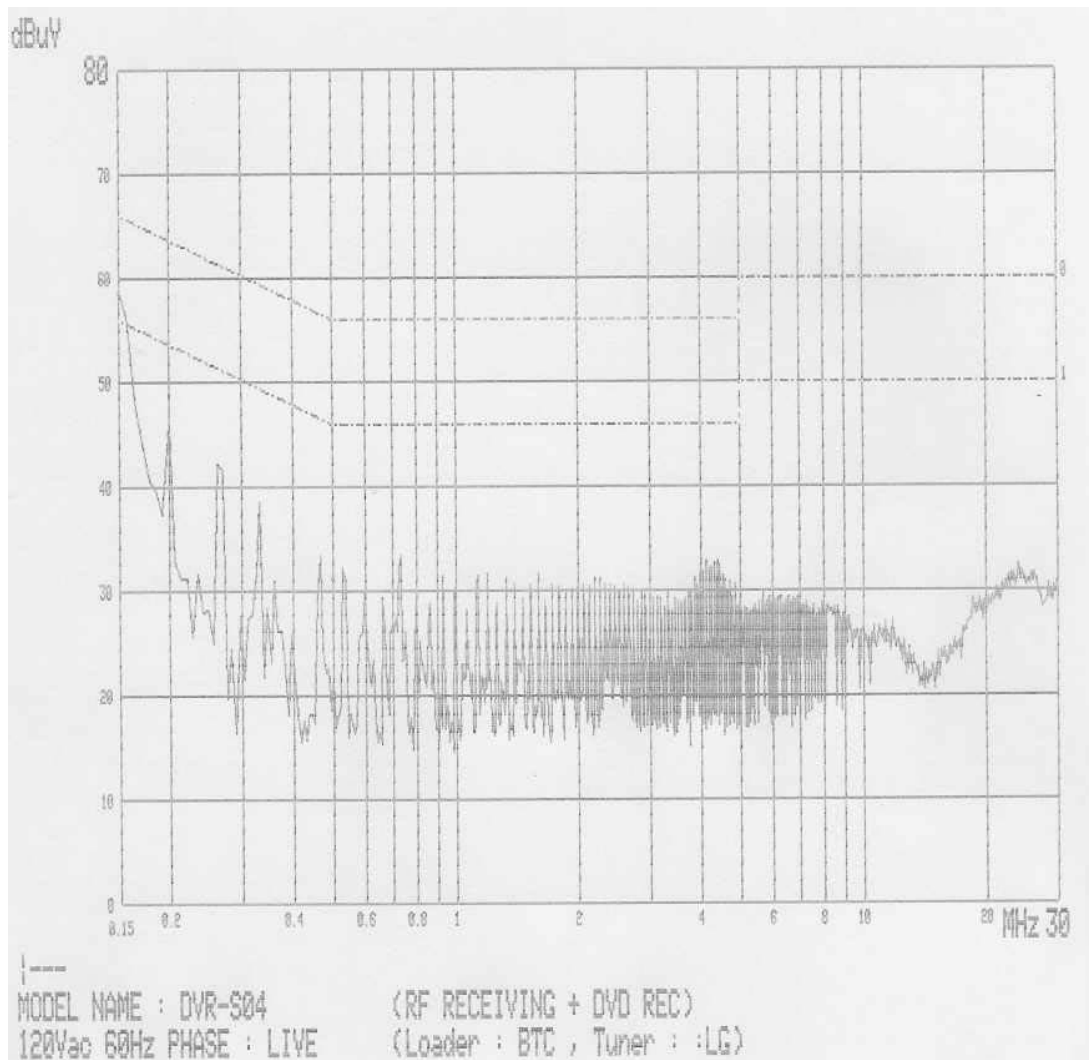
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.4                        | 18.7    | 66.0                  | 56.0    | 10.6           | 37.3    |
| 0.197          | 43.7                        | 33.8    | 63.7                  | 53.7    | 20.0           | 19.9    |
| 0.329          | 35.8                        | 31.0    | 59.5                  | 49.5    | 23.7           | 18.5    |

Note :

### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

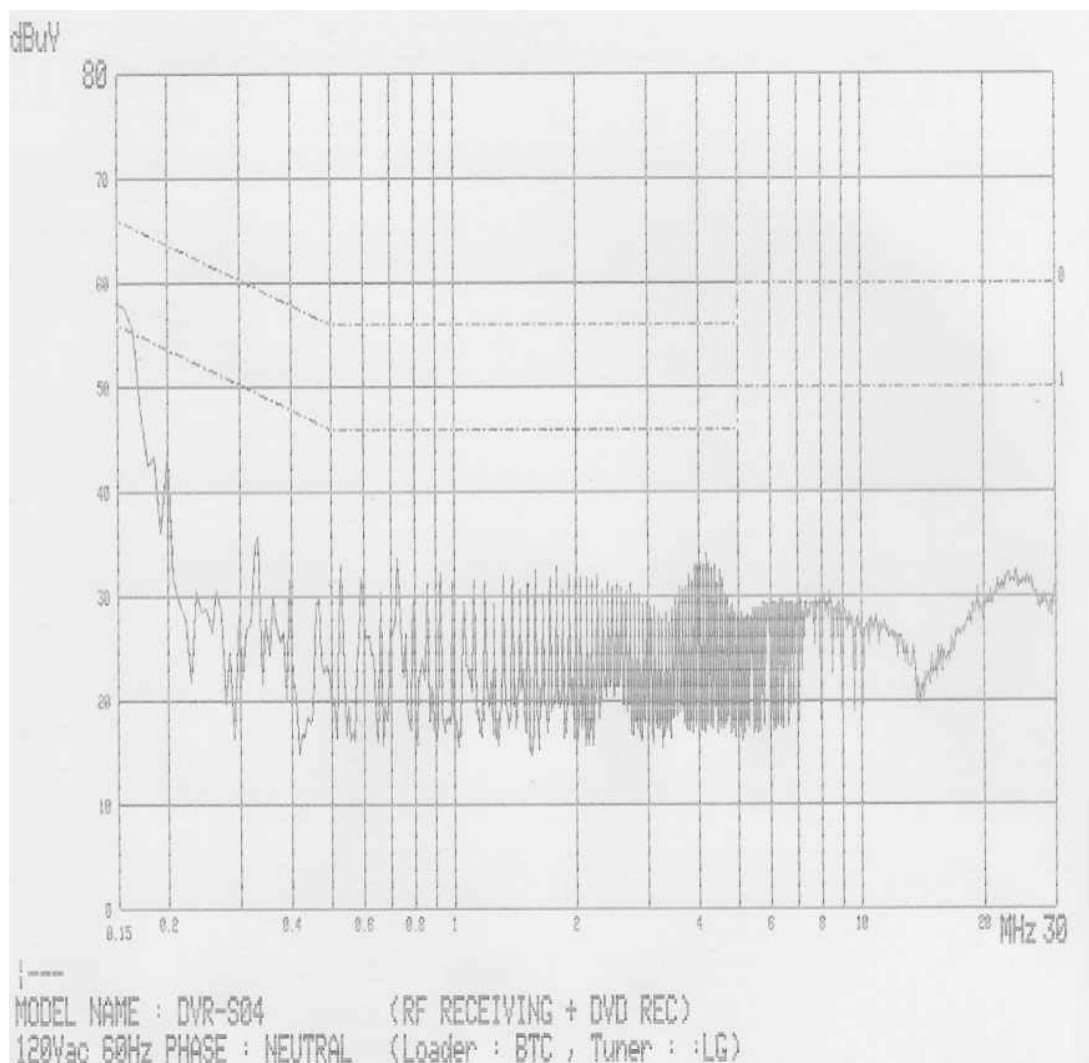
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.5                        | 17.5    | 66.0                  | 56.0    | 9.5            | 38.5    |
| 0.199          | 45.1                        | 33.2    | 63.7                  | 53.7    | 18.6           | 20.5    |
| 0.264          | 42.5                        | 40.4    | 61.3                  | 51.3    | 18.8           | 10.9    |

Note :

## Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

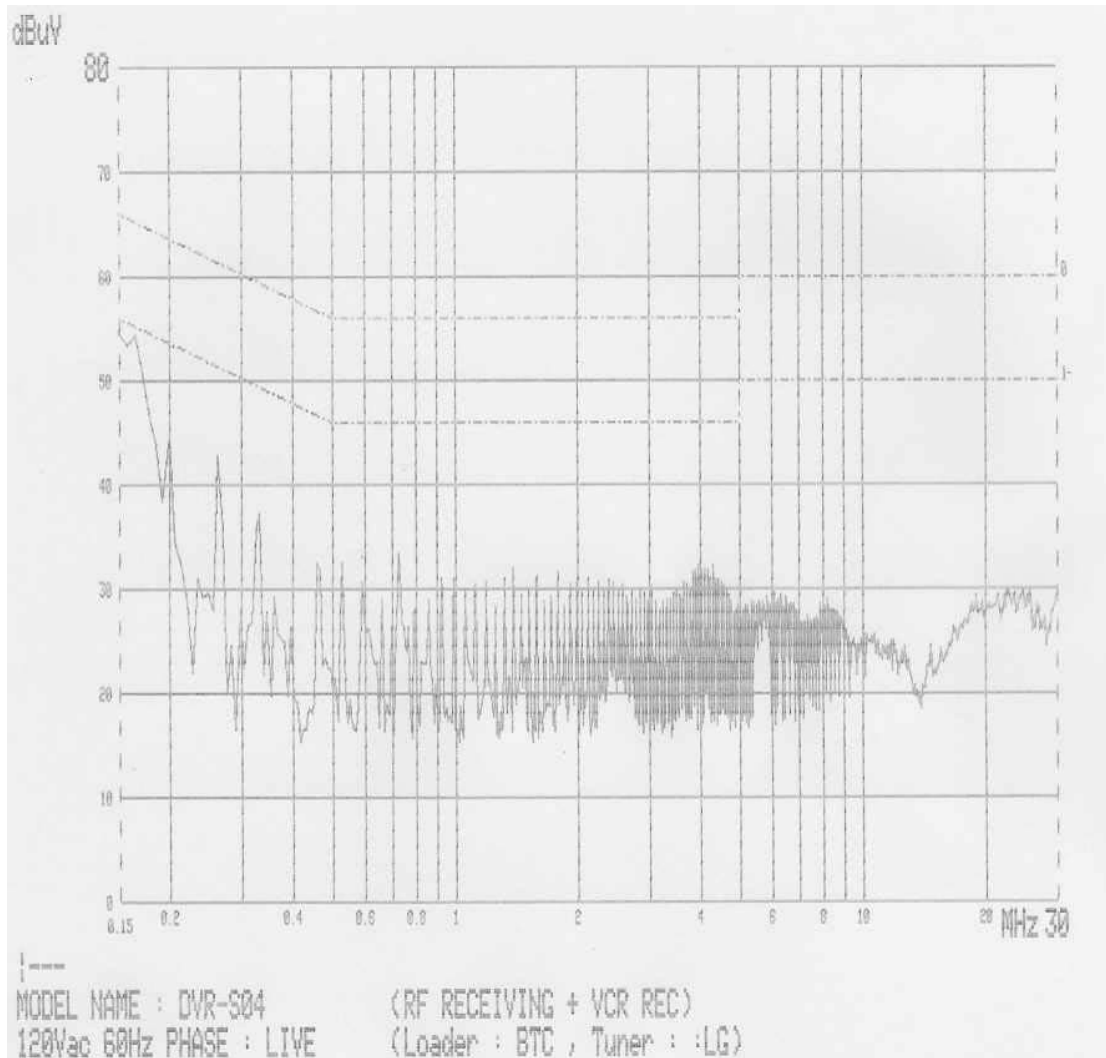
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.0                        | 17.5    | 66.0                  | 56.0    | 10.0           | 38.5    |
| 0.199          | 43.2                        | 33.0    | 63.7                  | 53.7    | 20.5           | 20.7    |
| 0.329          | 35.2                        | 31.3    | 59.5                  | 49.5    | 24.3           | 18.2    |

Note :

### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

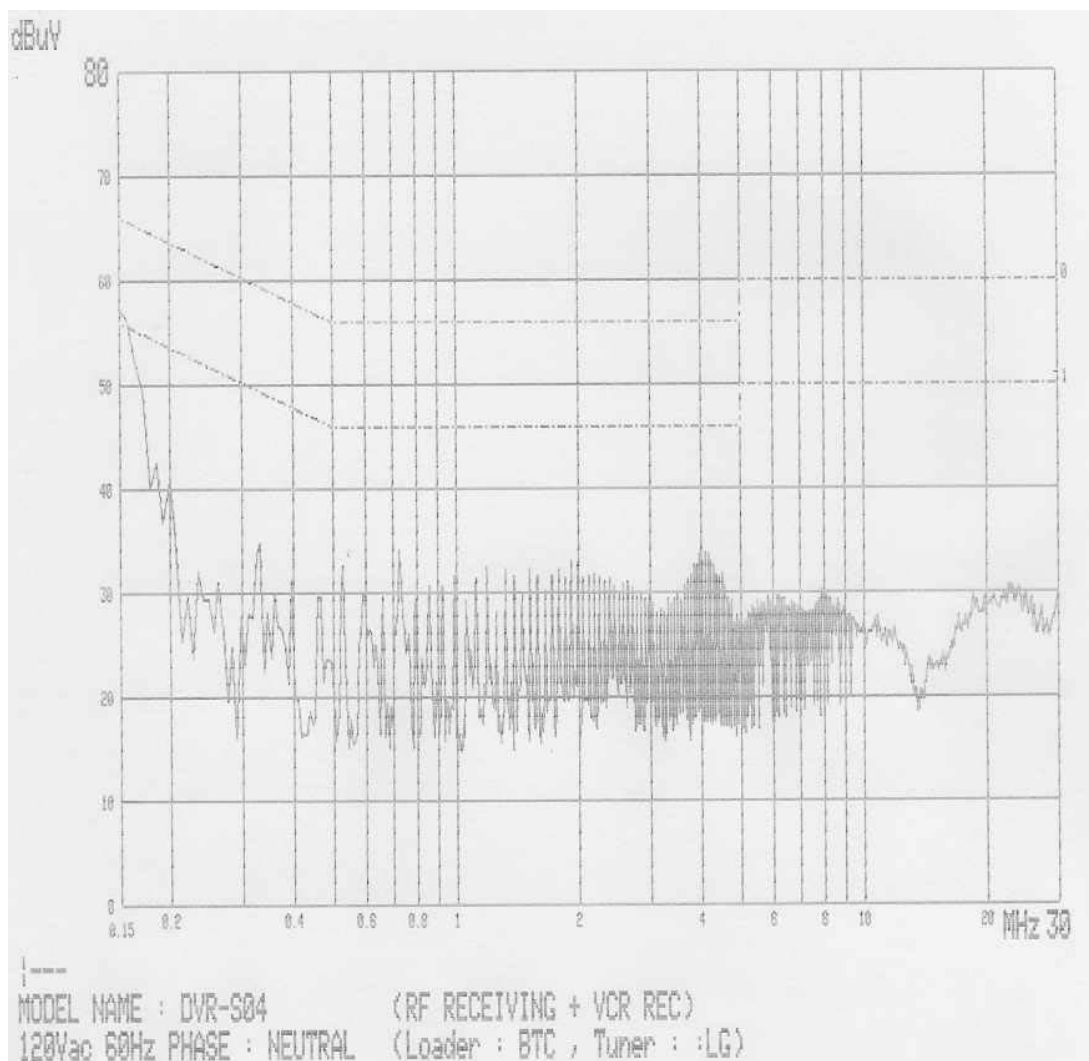
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.4                        | 17.7    | 66.0                  | 56.0    | 10.6           | 38.3    |
| 0.198          | 45.6                        | 33.5    | 63.7                  | 53.7    | 18.1           | 20.2    |
| 0.264          | 42.0                        | 40.1    | 61.3                  | 51.3    | 19.3           | 11.2    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

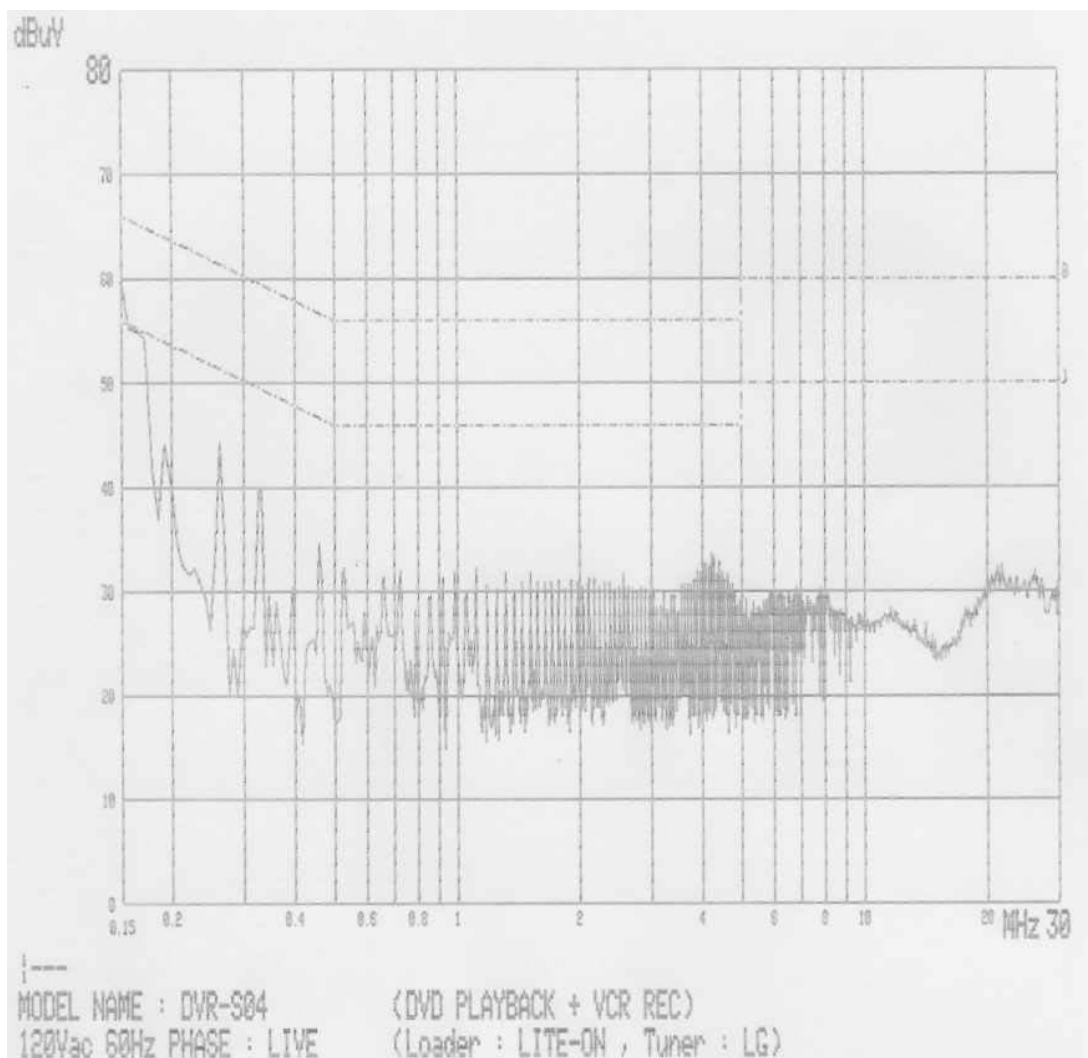
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.2                        | 17.8    | 66.0                  | 56.0    | 9.8            | 38.2    |
| 0.198          | 43.1                        | 32.7    | 63.7                  | 53.7    | 20.6           | 21.0    |
| 0.329          | 35.3                        | 31.4    | 59.5                  | 49.5    | 24.2           | 18.1    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

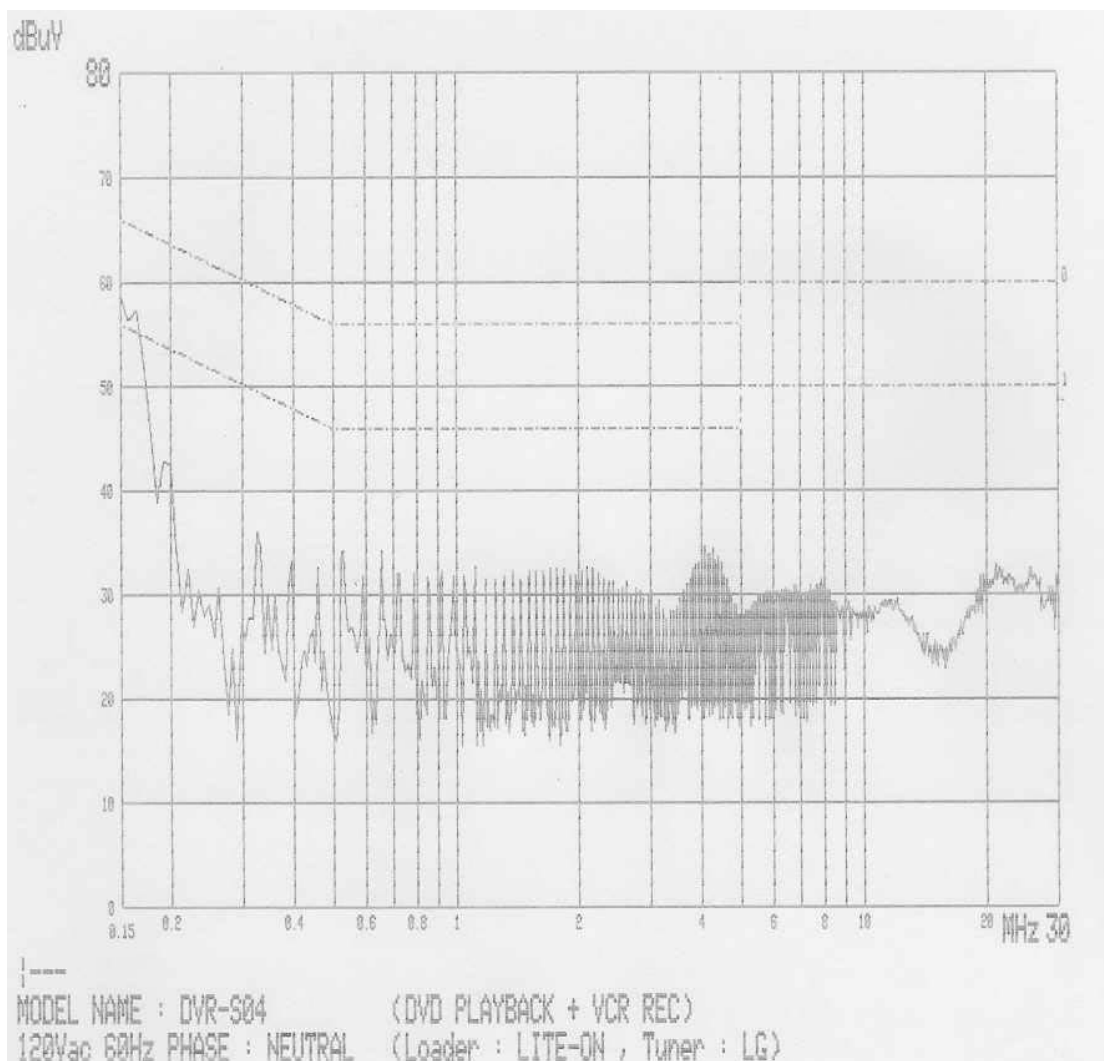
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 57.2                        | 19.2    | 66.0                  | 56.0    | 8.8            | 36.8    |
| 0.199          | 44.5                        | 33.0    | 63.7                  | 53.7    | 19.2           | 20.7    |
| 0.262          | 43.7                        | 41.7    | 61.4                  | 51.4    | 17.7           | 9.7     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

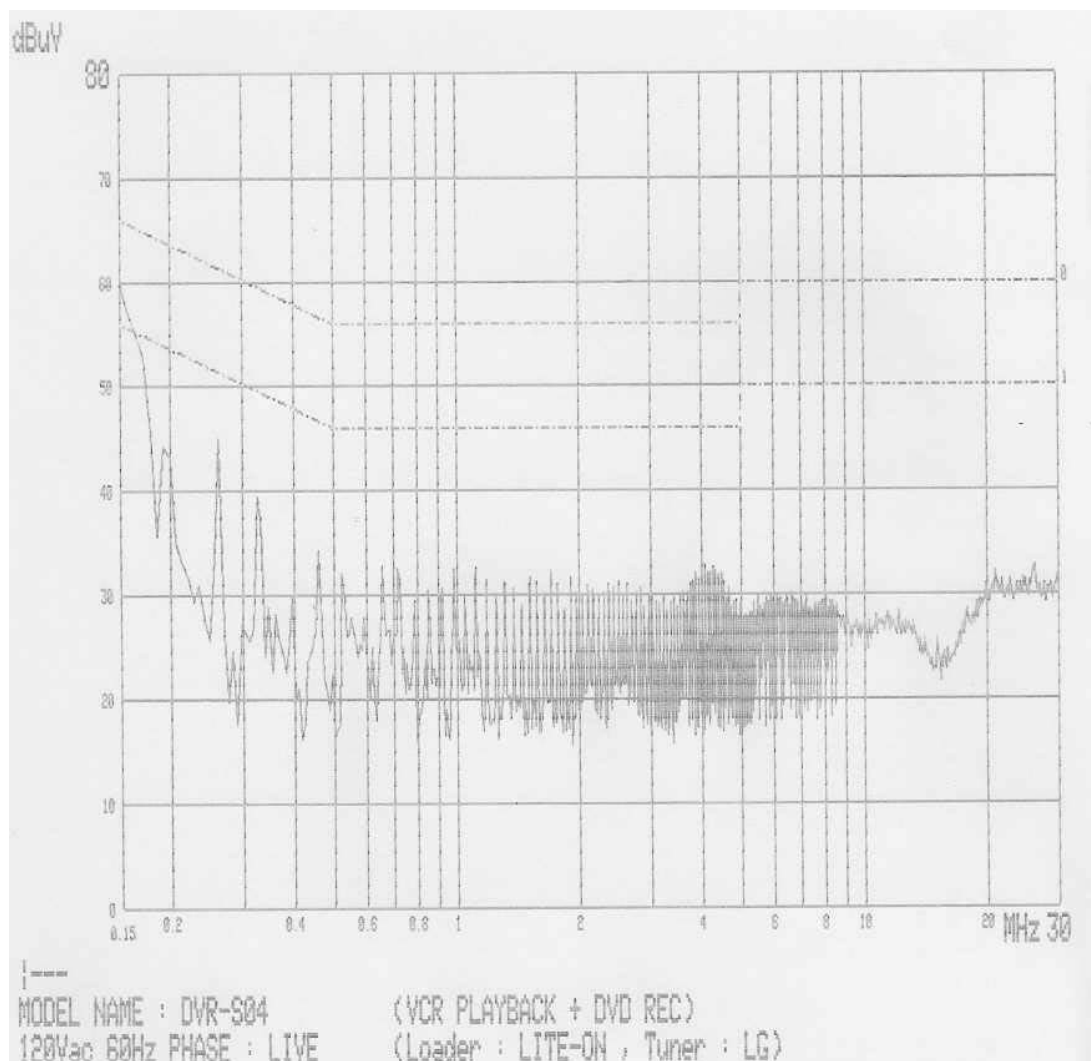
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.5                        | 19.1    | 66.0                  | 56.0    | 9.5            | 36.9    |
| 0.198          | 44.1                        | 34.4    | 63.7                  | 53.7    | 19.6           | 19.3    |
| 0.328          | 36.3                        | 31.2    | 59.5                  | 49.5    | 23.2           | 18.3    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

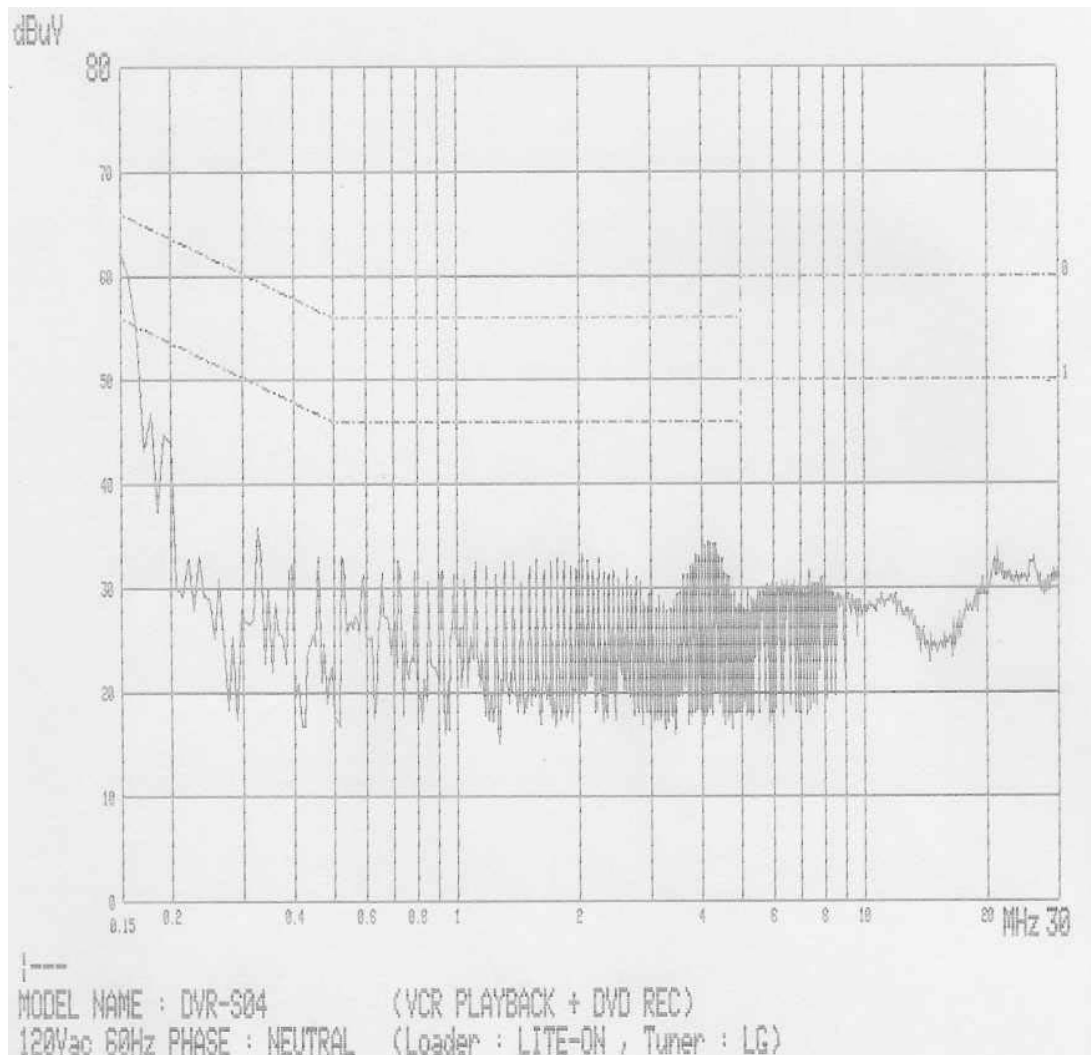
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.9                        | 18.9    | 66.0                  | 56.0    | 10.1           | 37.1    |
| 0.197          | 46.6                        | 35.3    | 63.7                  | 53.7    | 17.1           | 18.4    |
| 0.262          | 43.6                        | 41.5    | 61.4                  | 51.4    | 17.8           | 9.9     |

Note :

### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

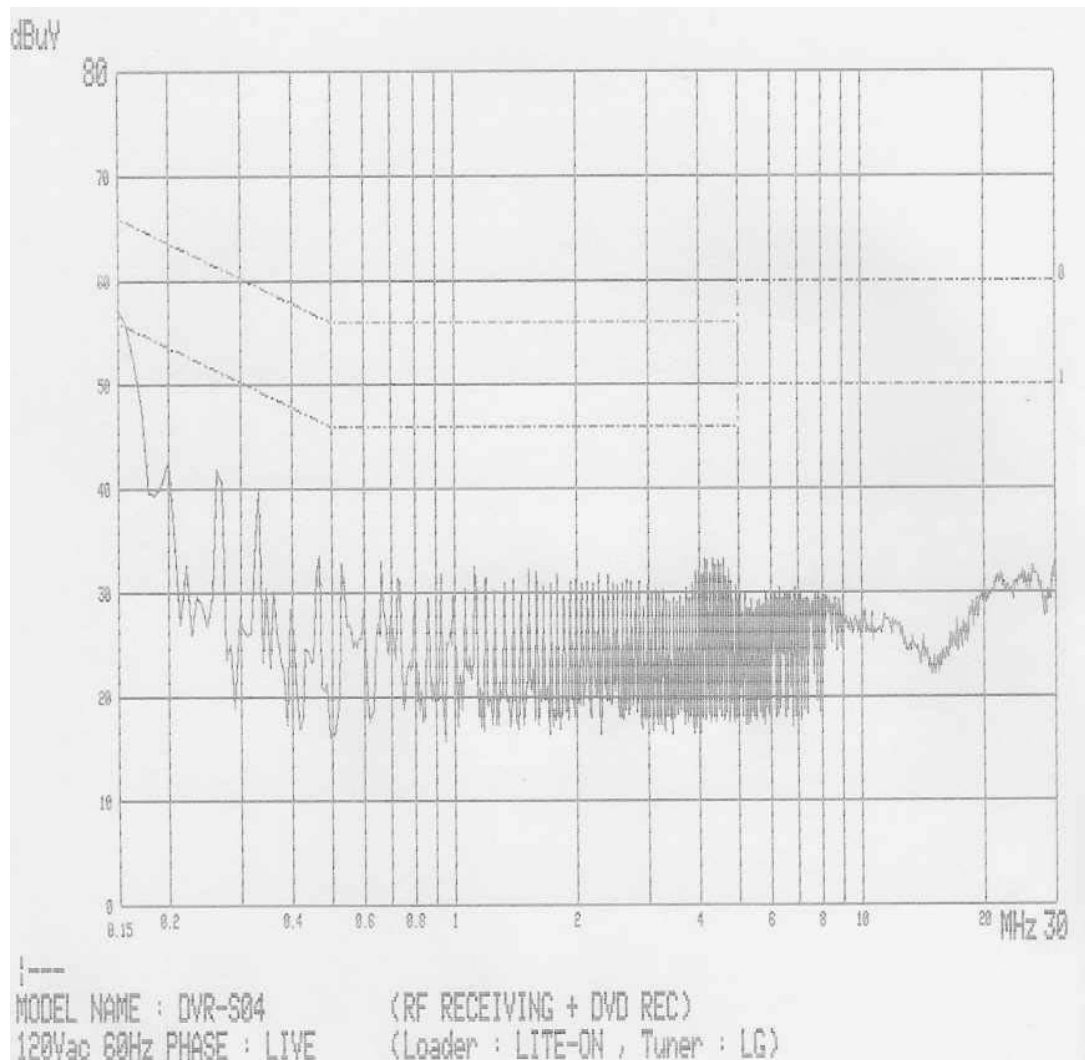
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.1                        | 18.9    | 66.0                  | 56.0    | 9.9            | 37.1    |
| 0.197          | 44.3                        | 34.5    | 63.7                  | 53.7    | 19.4           | 19.2    |
| 0.328          | 36.2                        | 31.2    | 59.5                  | 49.5    | 23.3           | 18.3    |

Note :

### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

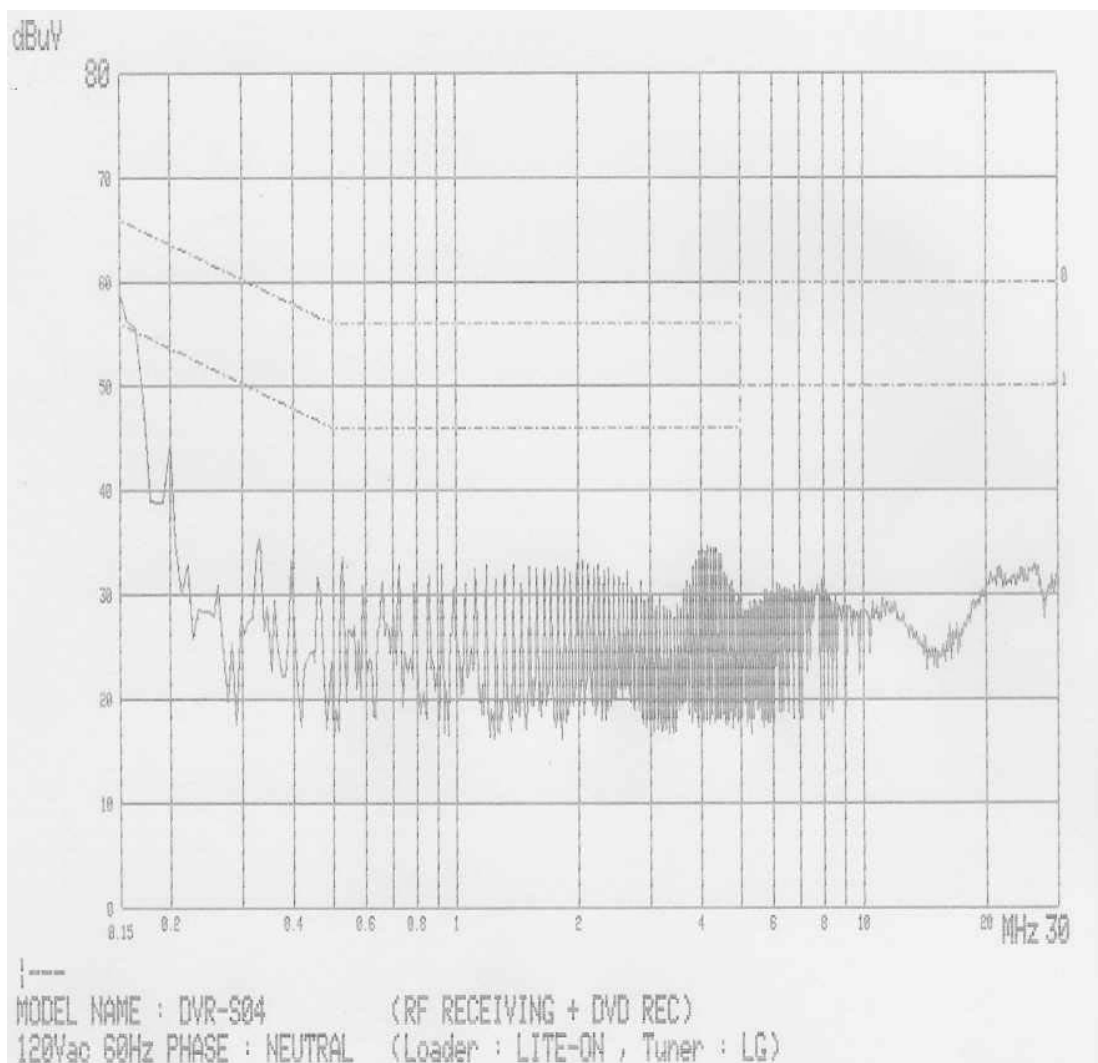
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.5                        | 19.0    | 66.0                  | 56.0    | 9.5            | 37.0    |
| 0.199          | 44.8                        | 33.8    | 63.7                  | 53.7    | 18.9           | 19.9    |
| 0.264          | 43.3                        | 41.3    | 61.3                  | 51.3    | 18.0           | 10.0    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

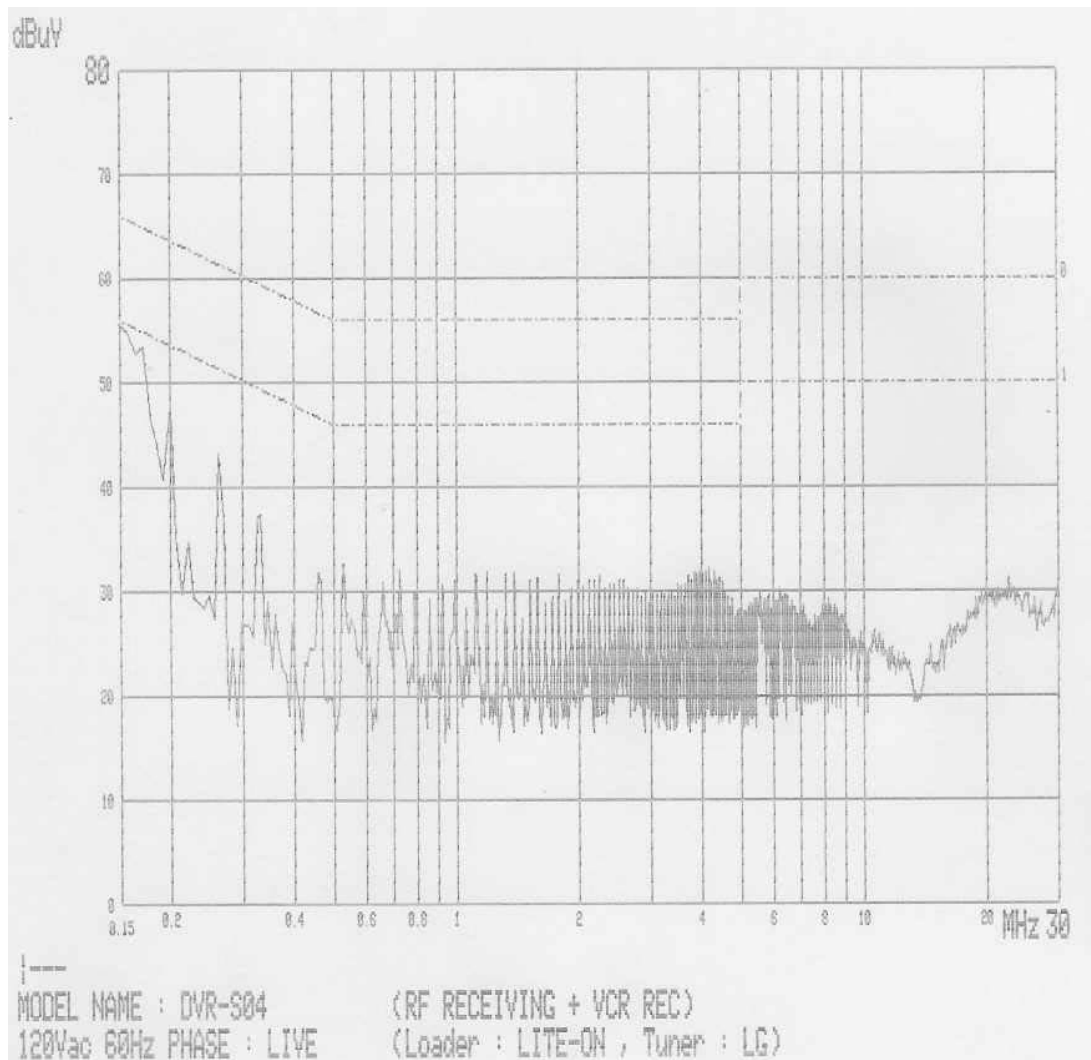
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.4                        | 19.0    | 66.0                  | 56.0    | 9.6            | 37.0    |
| 0.199          | 42.3                        | 32.7    | 63.7                  | 53.7    | 21.4           | 21.0    |
| 0.329          | 35.9                        | 31.4    | 59.5                  | 49.5    | 23.6           | 18.1    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

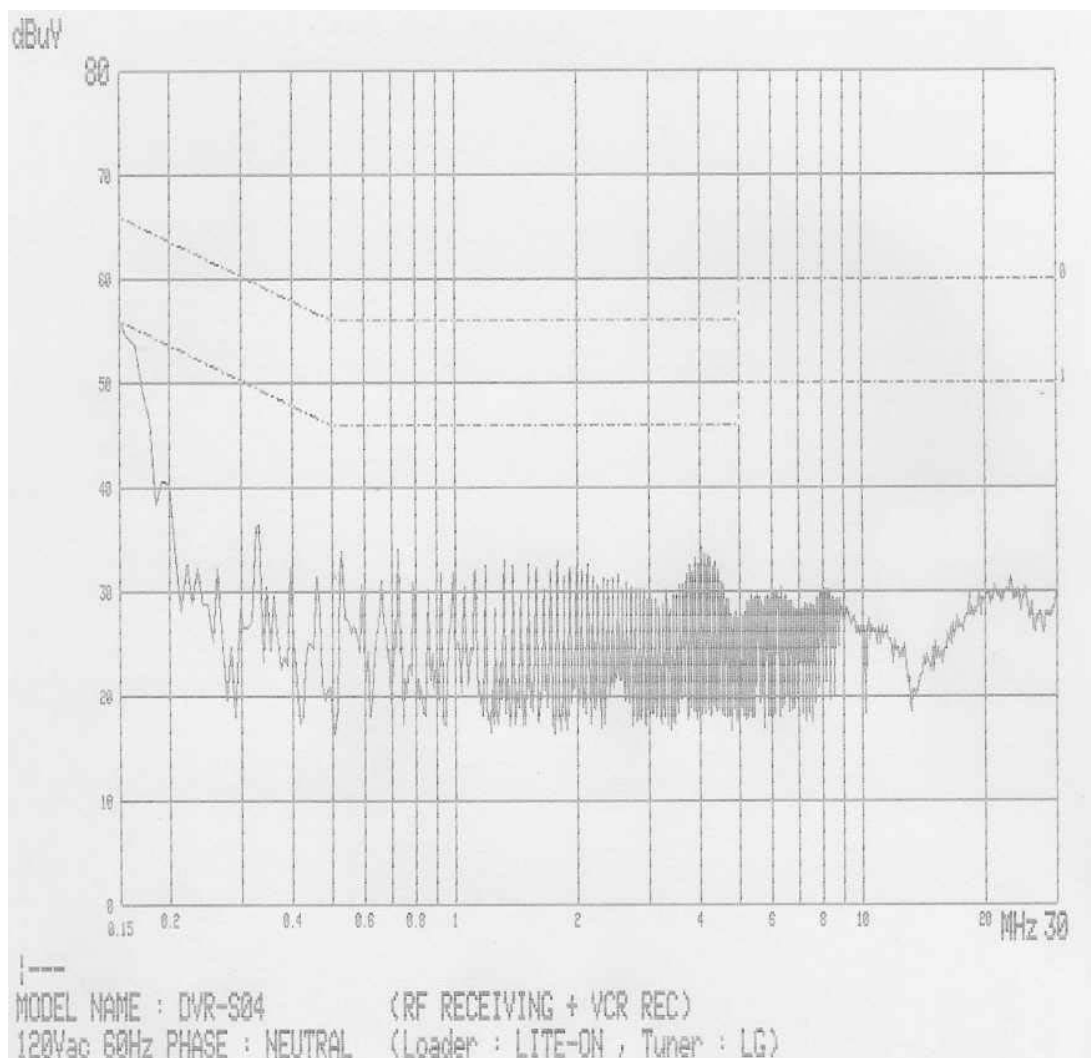
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.1                        | 19.7    | 66.0                  | 56.0    | 9.9            | 36.3    |
| 0.199          | 45.7                        | 33.0    | 63.7                  | 53.7    | 18.0           | 20.7    |
| 0.261          | 39.9                        | 38.8    | 61.4                  | 51.4    | 21.5           | 12.6    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TADM-H201F (LG)

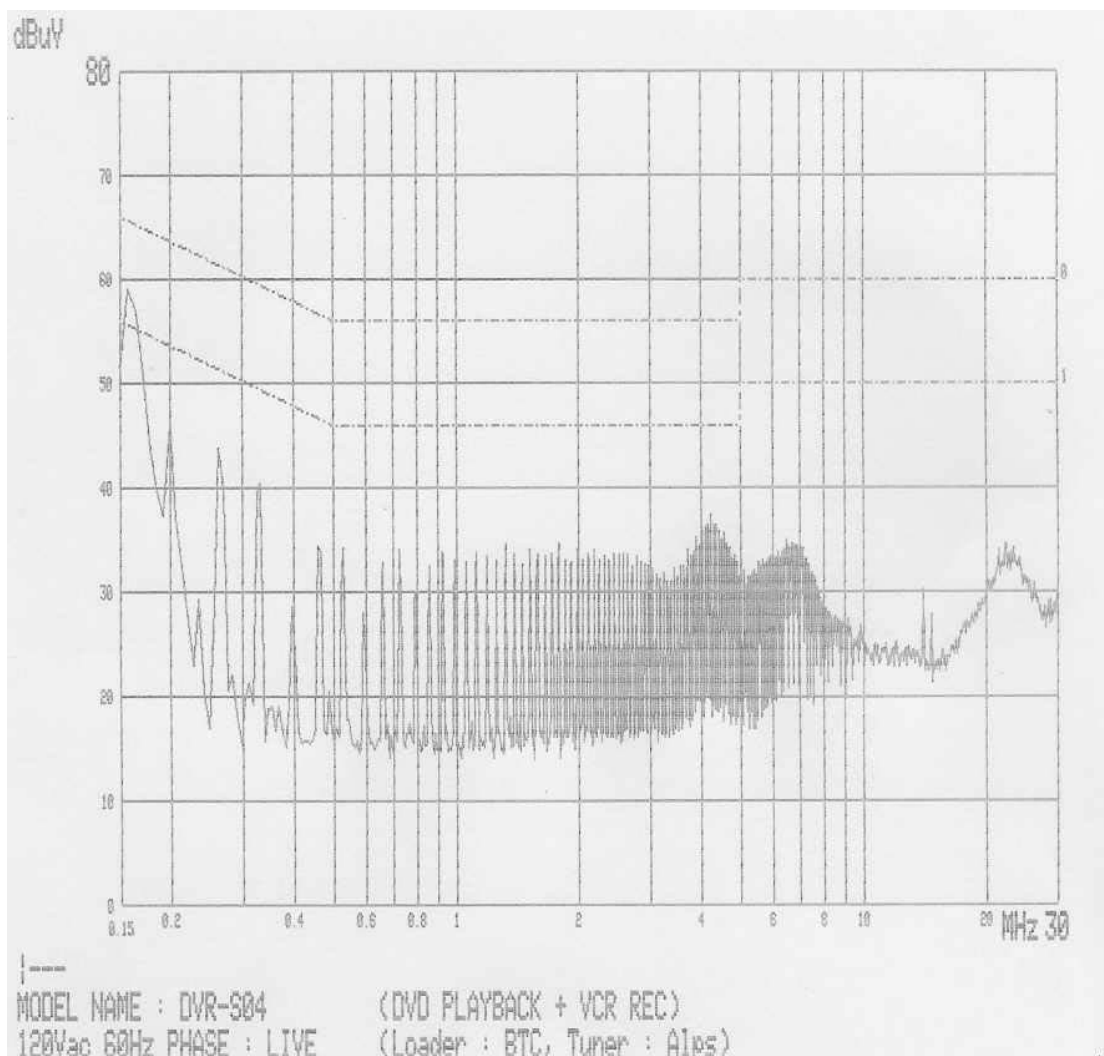
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.9                        | 19.2    | 66.0                  | 56.0    | 11.1           | 36.8    |
| 0.198          | 44.0                        | 33.4    | 63.7                  | 53.7    | 19.7           | 20.3    |
| 0.329          | 36.4                        | 32.2    | 59.5                  | 49.5    | 23.1           | 17.3    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

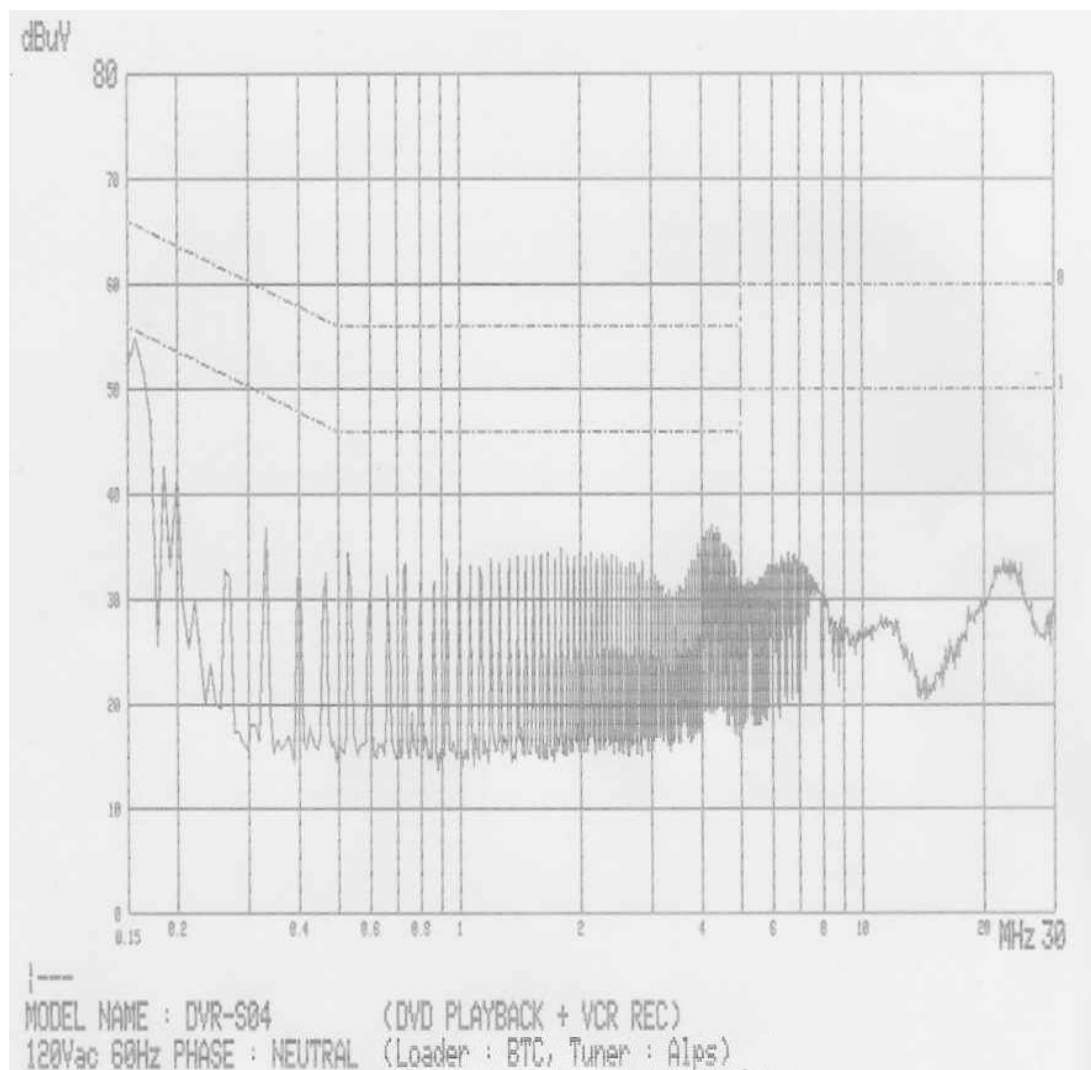
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.3                        | 14.1    | 66.0                  | 56.0    | 11.7           | 41.9    |
| 0.199          | 45.4                        | 34.5    | 63.7                  | 53.7    | 18.3           | 19.2    |
| 0.262          | 43.9                        | 12.0    | 61.4                  | 51.4    | 17.5           | 39.4    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

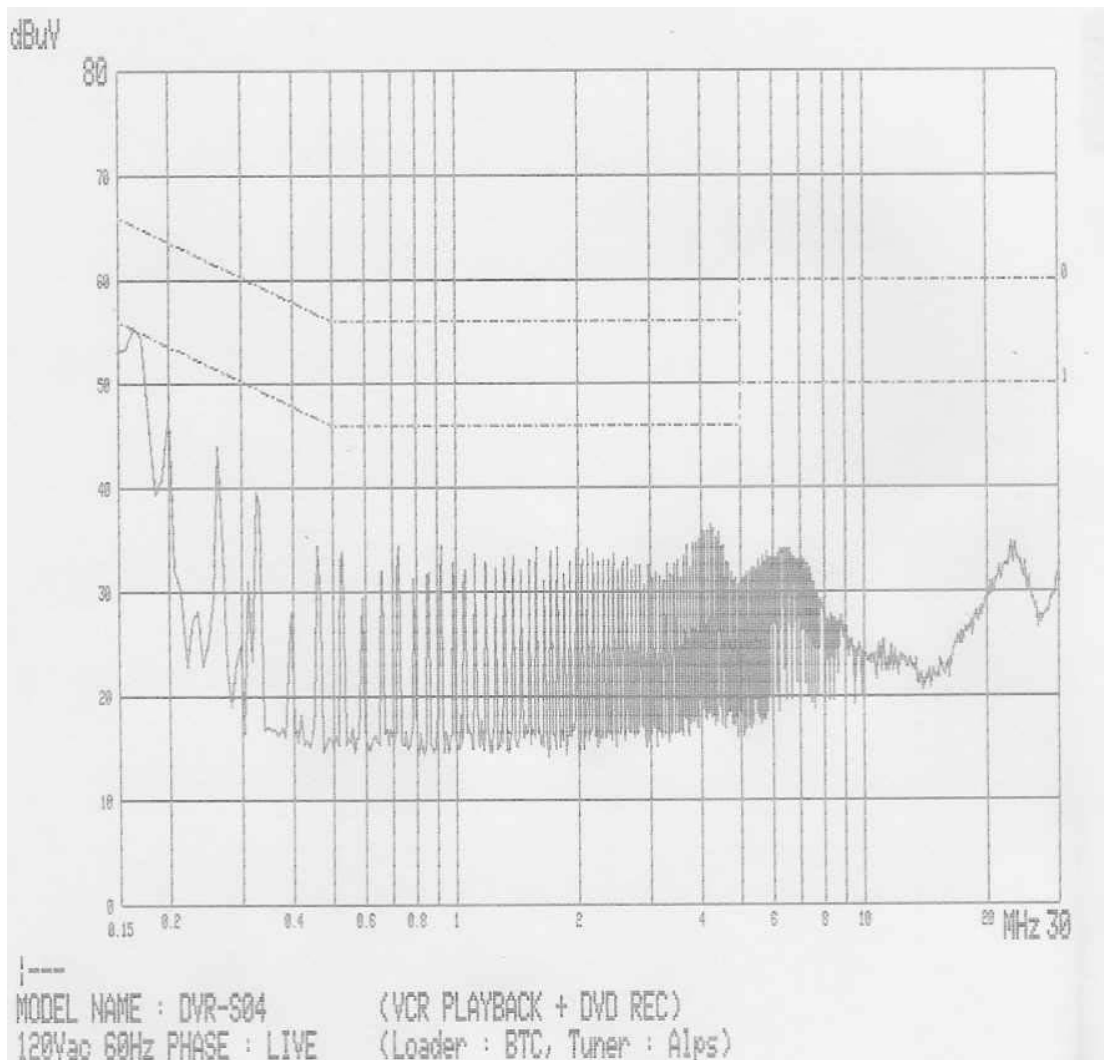
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.0                        | 14.7    | 66.0                  | 56.0    | 11.0           | 41.3    |
| 0.199          | 42.7                        | 33.3    | 63.7                  | 53.7    | 21.0           | 20.4    |
| 0.328          | 38.1                        | 34.1    | 59.5                  | 49.5    | 21.4           | 15.4    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

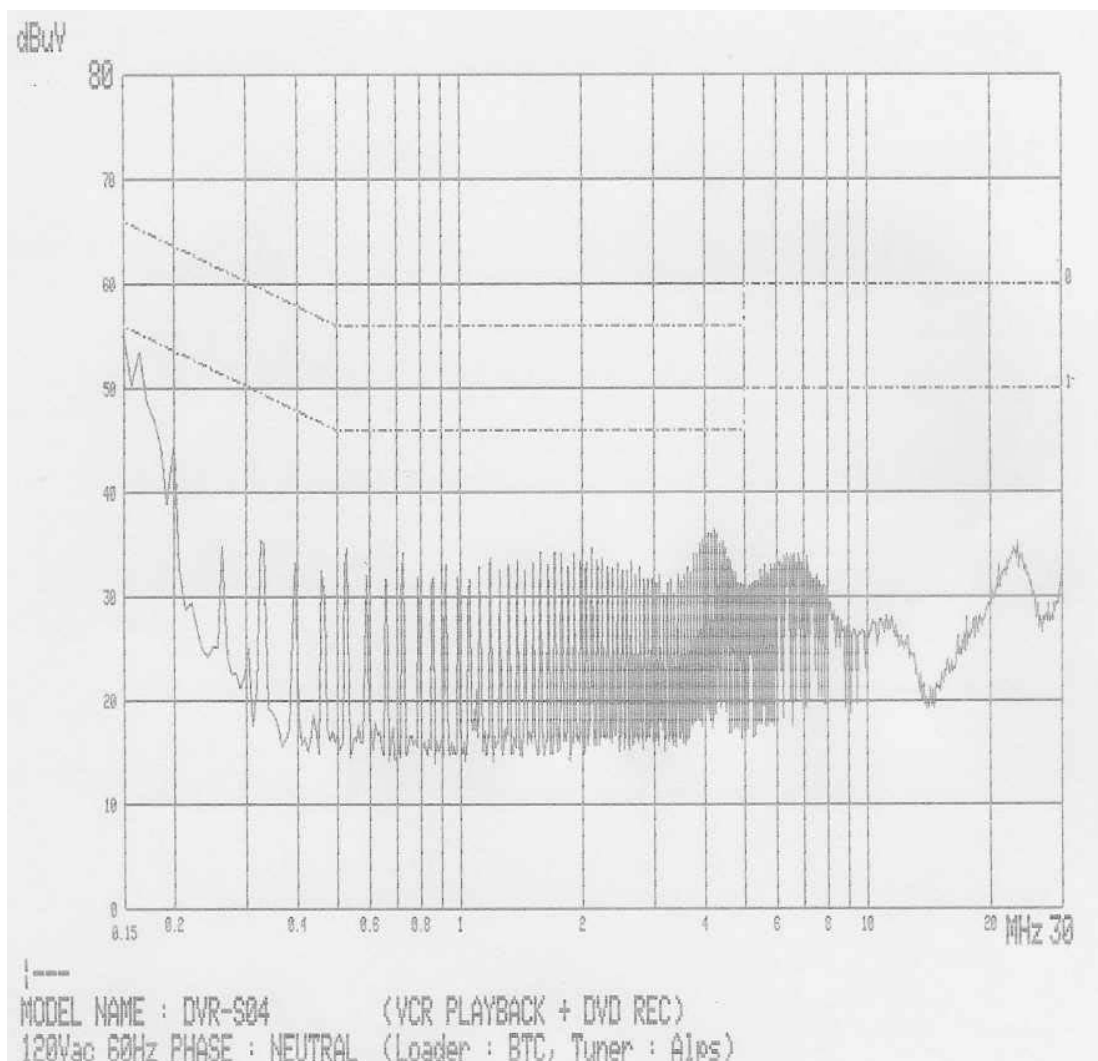
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.153          | 54.6                        | 13.6    | 65.8                  | 55.8    | 11.2           | 42.2    |
| 0.199          | 45.9                        | 34.2    | 63.7                  | 53.7    | 17.8           | 19.5    |
| 0.263          | 43.6                        | 41.7    | 61.3                  | 51.3    | 17.7           | 9.6     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

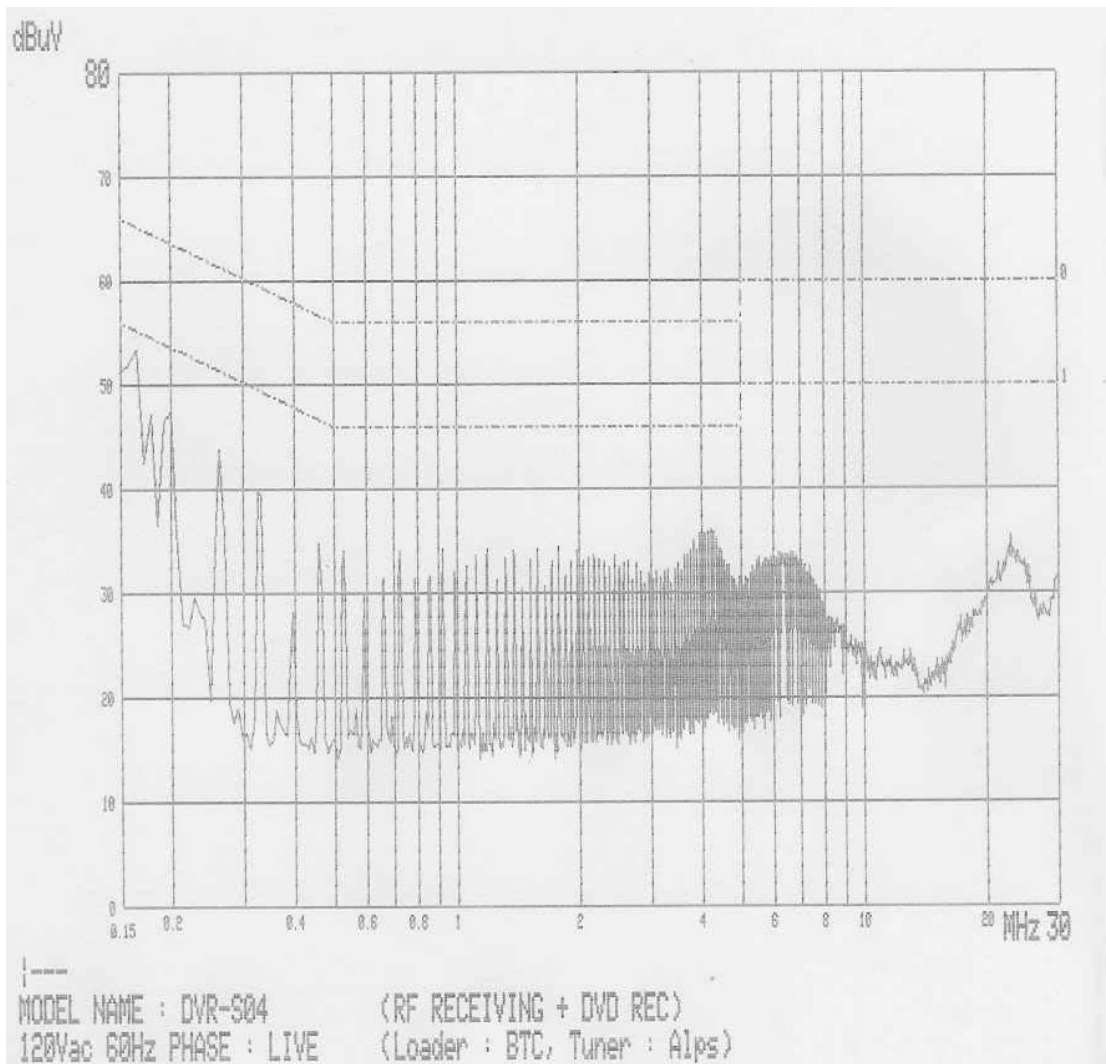
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.4                        | 14.0    | 66.0                  | 56.0    | 11.6           | 42.0    |
| 0.199          | 43.4                        | 33.3    | 63.7                  | 53.7    | 20.3           | 20.4    |
| 0.394          | 32.0                        | 28.7    | 58.0                  | 48.0    | 26.0           | 19.3    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

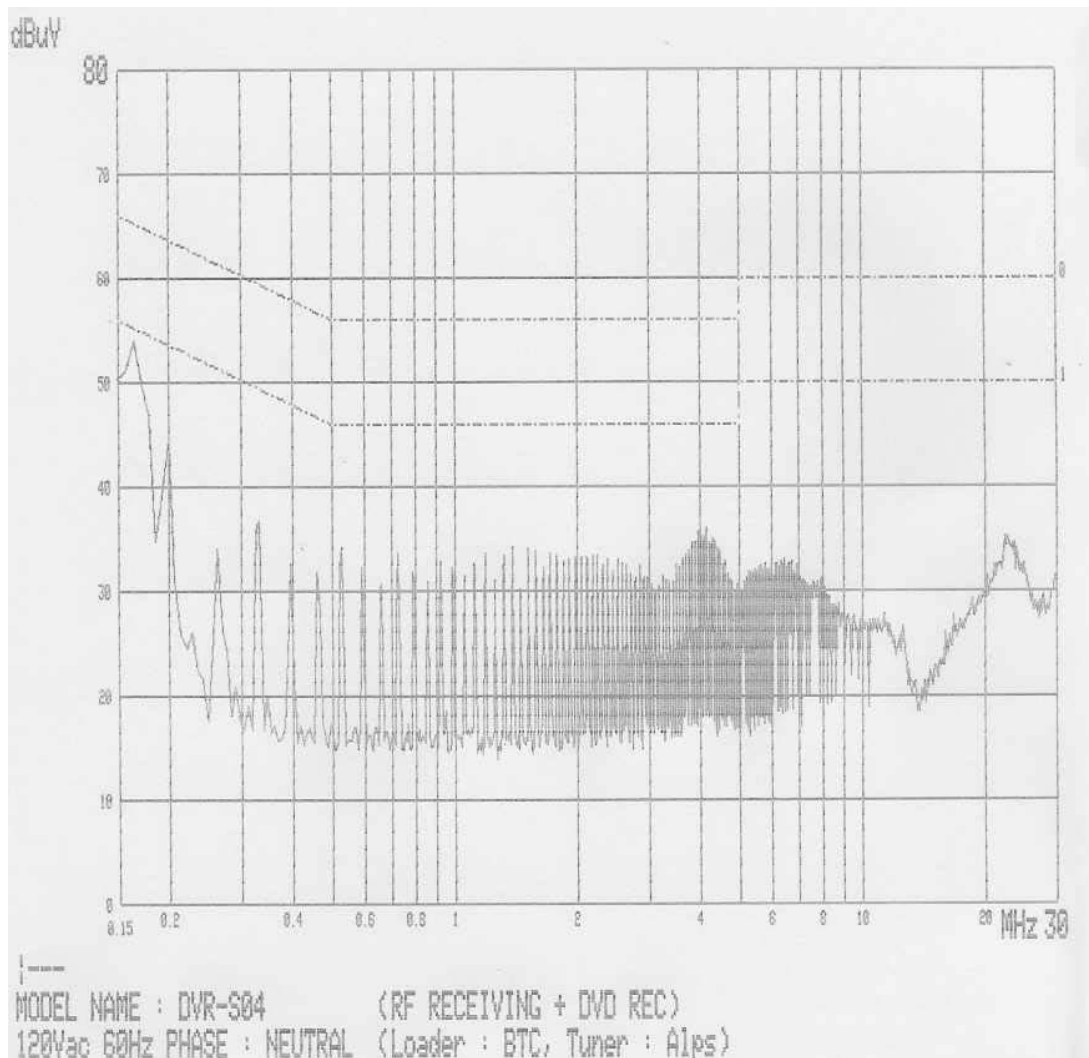
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.4                        | 13.6    | 66.0                  | 56.0    | 11.6           | 42.4    |
| 0.199          | 46.2                        | 34.7    | 63.7                  | 53.7    | 17.5           | 19.0    |
| 0.263          | 43.4                        | 41.5    | 61.3                  | 51.3    | 17.9           | 9.8     |

Note :

### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

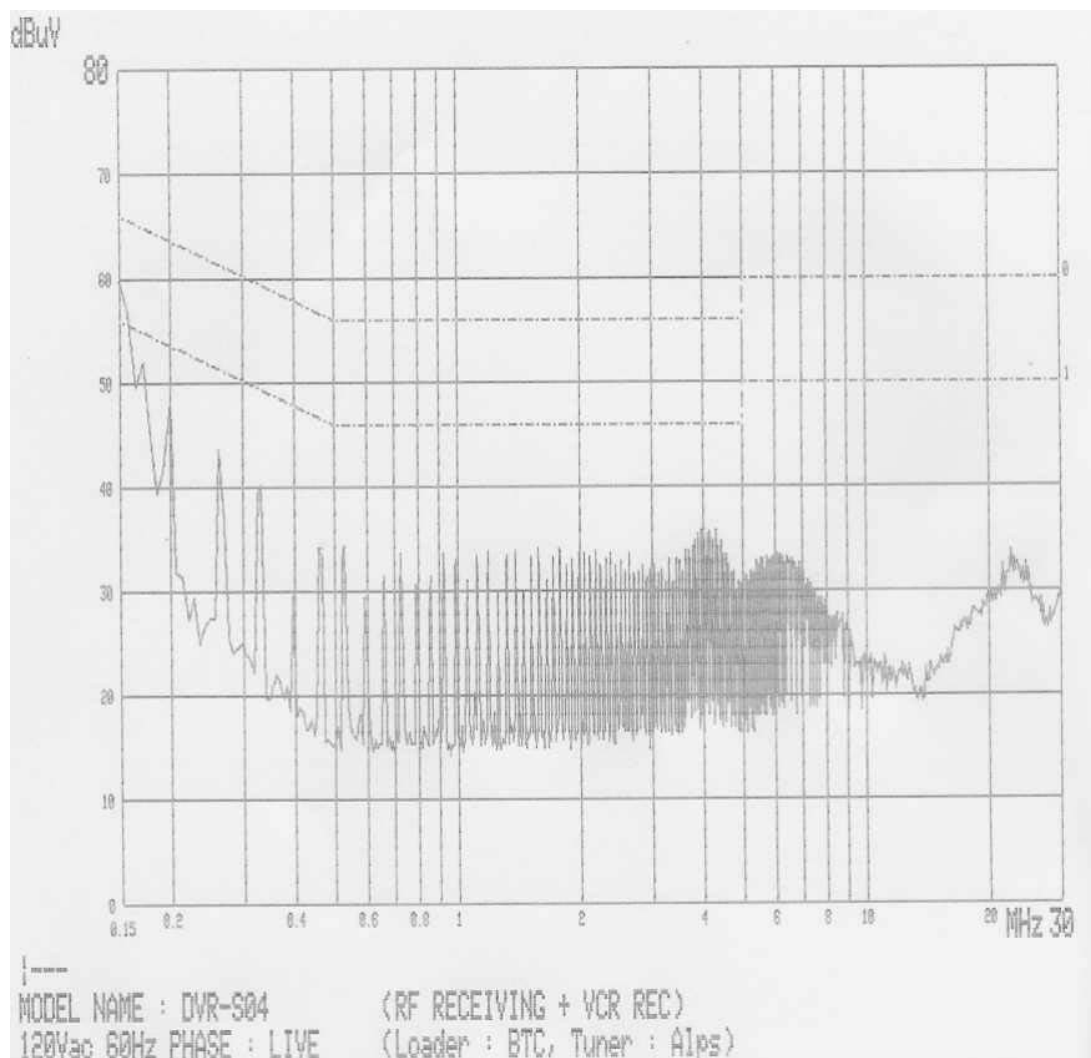
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.2                        | 14.6    | 66.0                  | 56.0    | 11.8           | 41.4    |
| 0.199          | 43.6                        | 33.4    | 63.7                  | 53.7    | 20.1           | 20.3    |
| 0.329          | 38.0                        | 33.9    | 59.5                  | 49.5    | 21.5           | 15.6    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



**Tuner : TMZH2-030A (ALPS)**

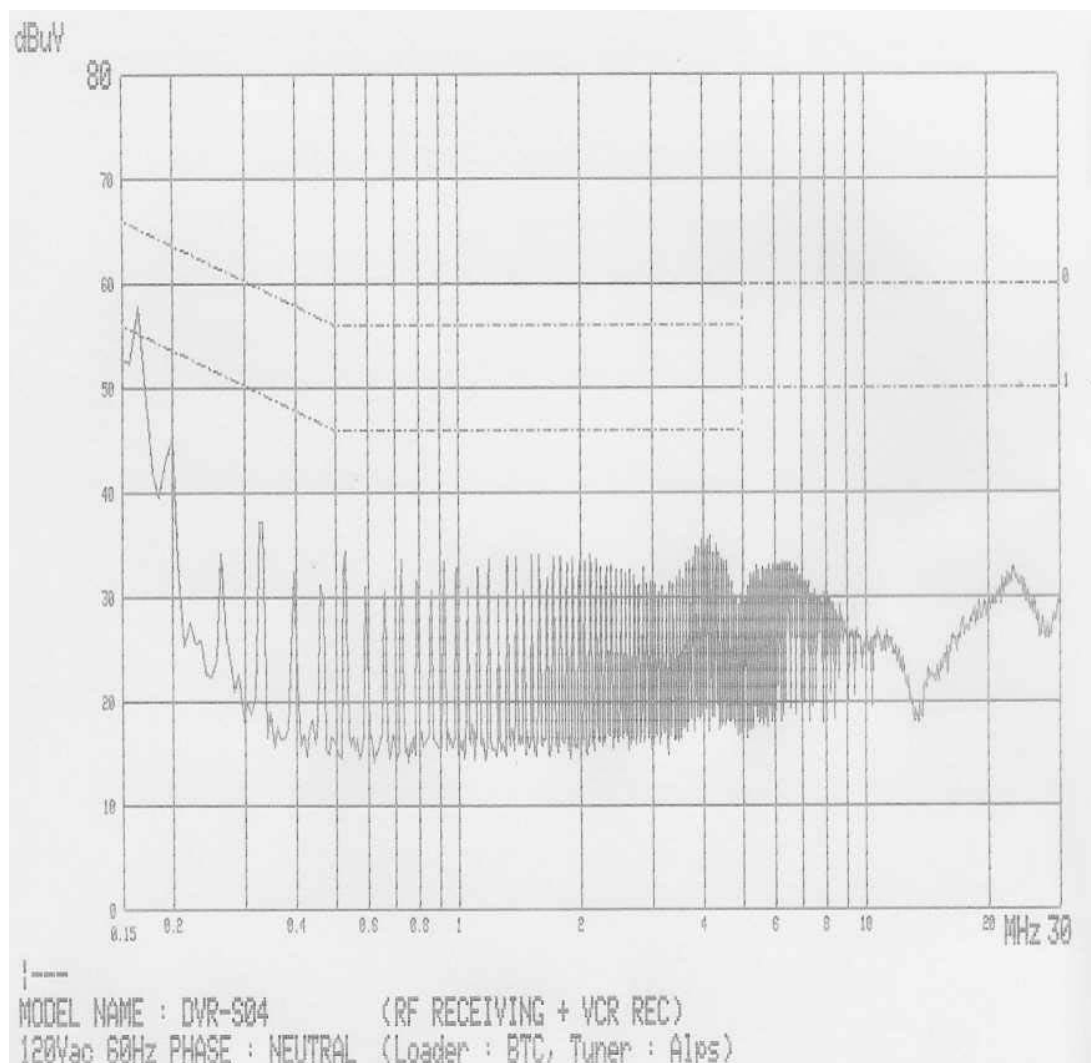
**Loader : BDR-L04P (BTC)**

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.6                        | 14.4    | 66.0                  | 56.0    | 11.4           | 41.6    |
| 0.199          | 46.4                        | 34.7    | 63.7                  | 53.7    | 17.3           | 19.0    |
| 0.263          | 43.2                        | 41.2    | 61.3                  | 51.3    | 18.1           | 10.1    |

*Note :*

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

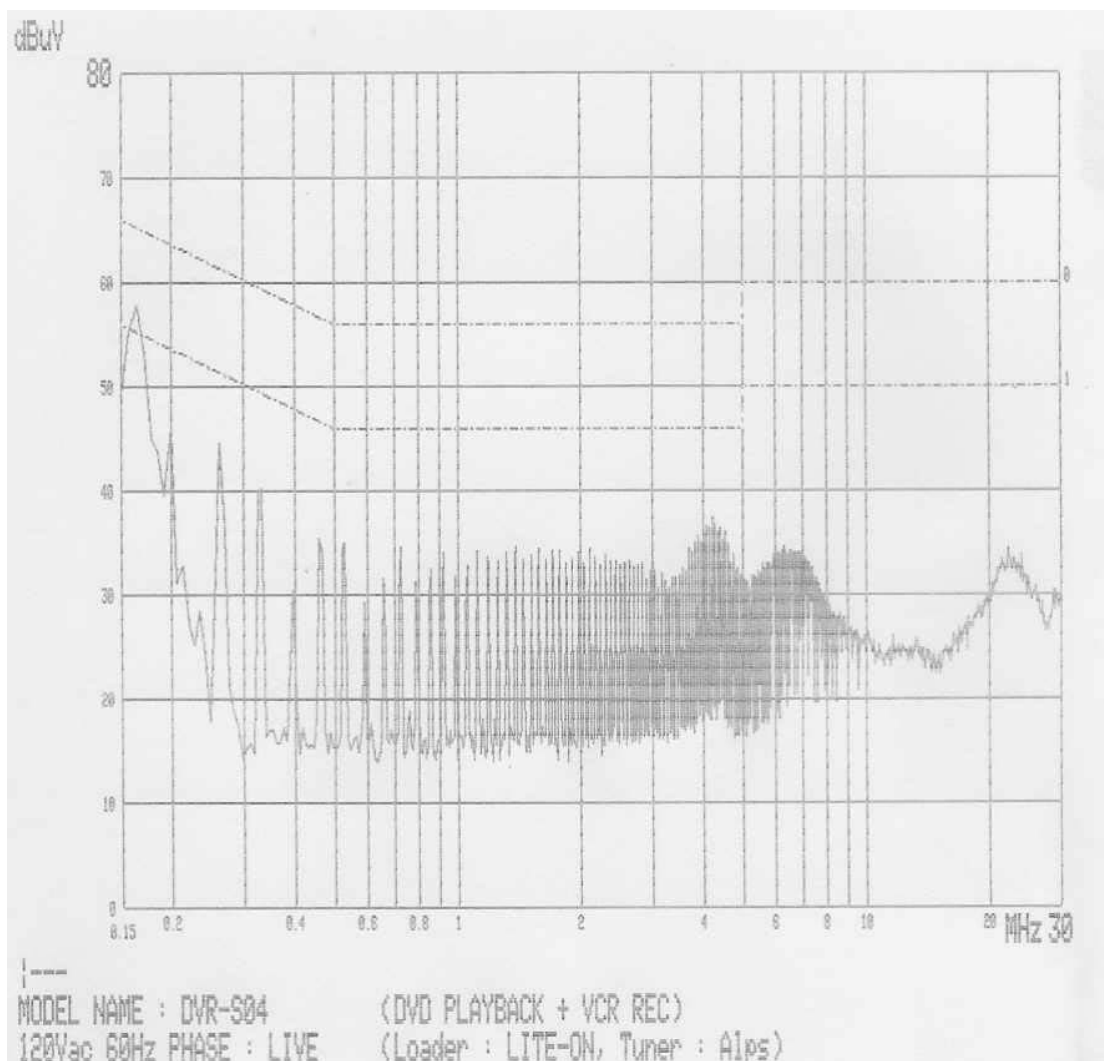
Loader : BDR-L04P (BTC)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.6                        | 15.0    | 66.0                  | 56.0    | 11.4           | 41.0    |
| 0.199          | 43.9                        | 33.3    | 63.7                  | 53.7    | 19.8           | 20.4    |
| 0.329          | 36.9                        | 34.2    | 59.5                  | 49.5    | 22.6           | 15.3    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A(ALPS)

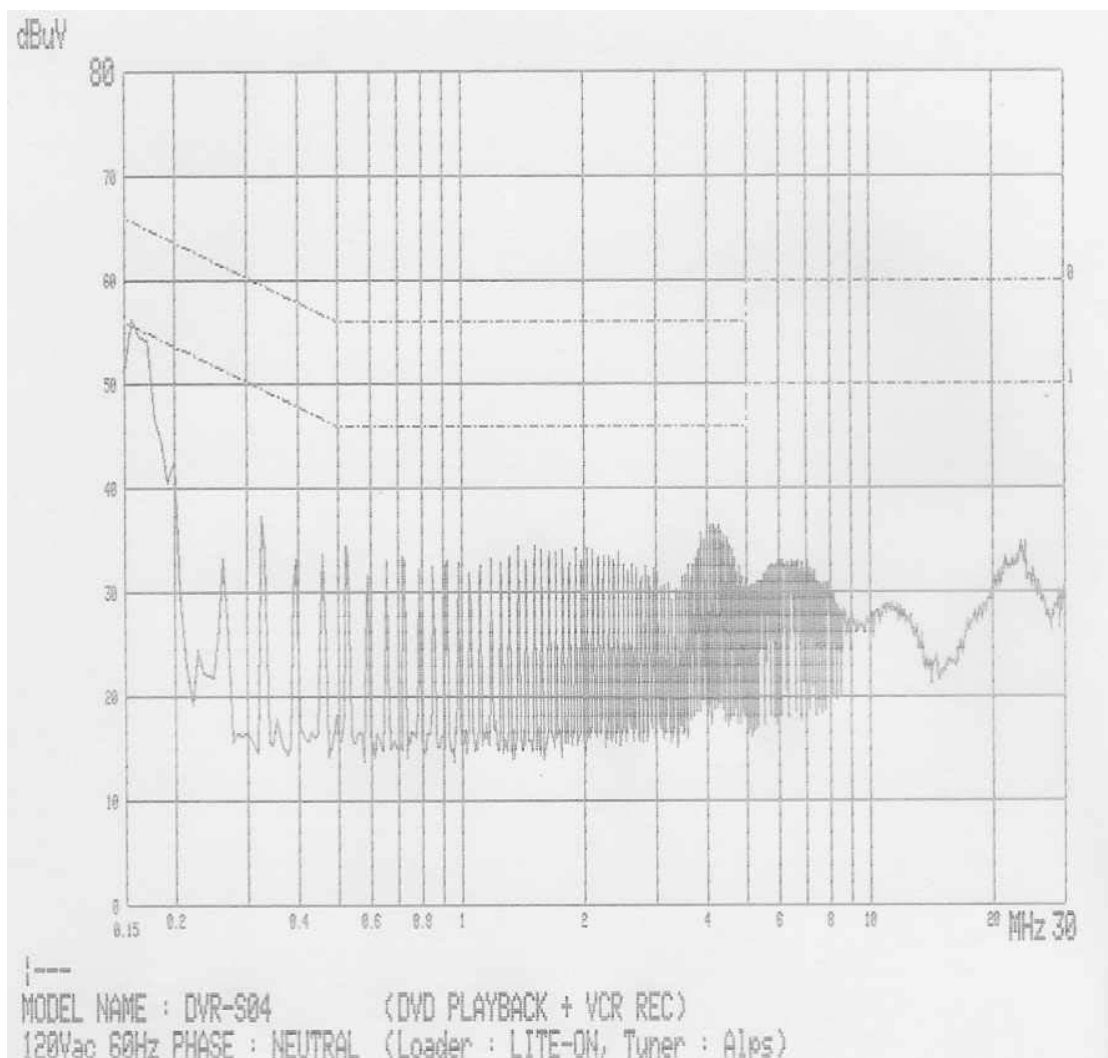
Loader : DDW-451S(LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.8                        | 15.5    | 66.0                  | 56.0    | 10.2           | 40.5    |
| 0.199          | 45.1                        | 34.1    | 63.7                  | 53.7    | 18.6           | 19.6    |
| 0.262          | 44.1                        | 42.3    | 61.4                  | 51.4    | 17.3           | 9.1     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

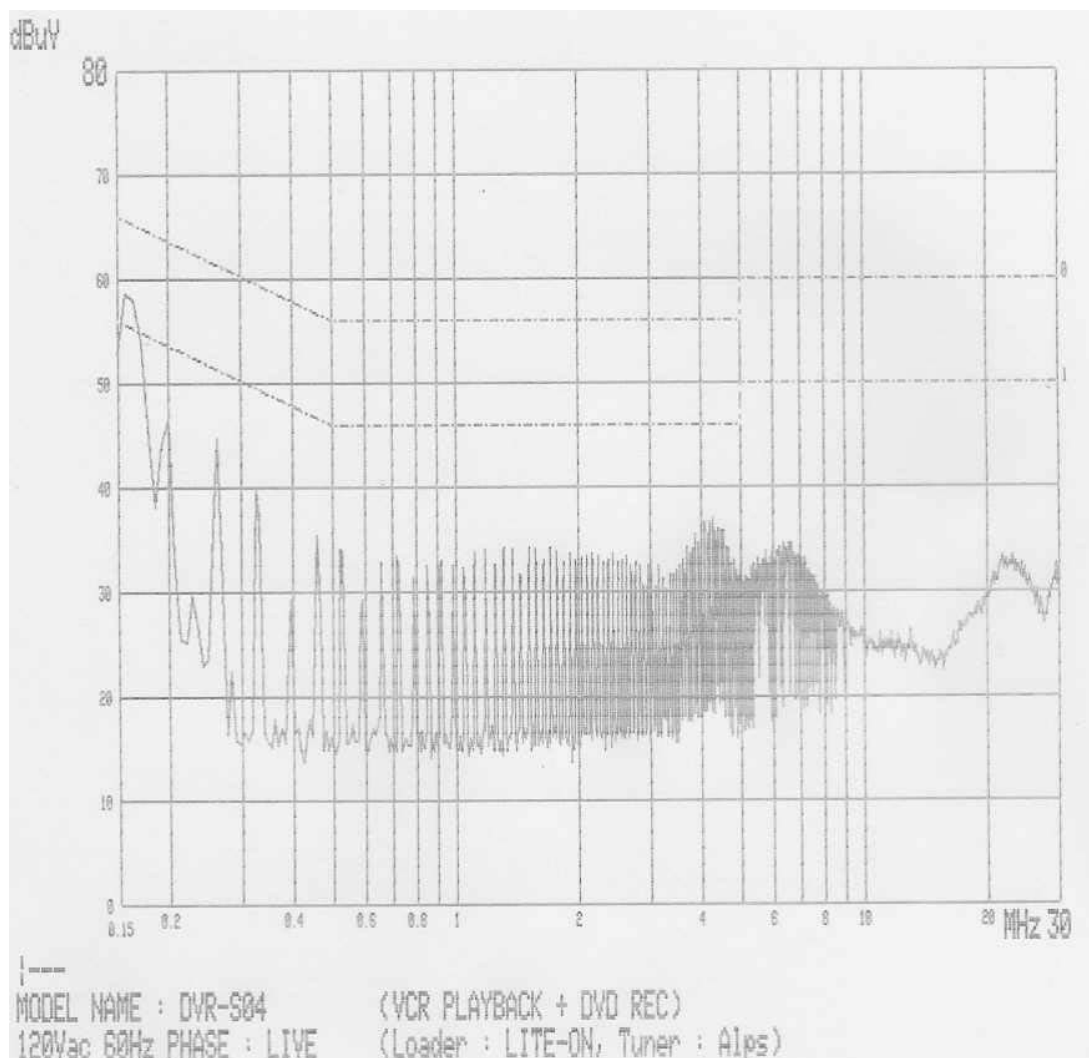
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.6                        | 13.3    | 66.0                  | 56.0    | 11.4           | 42.7    |
| 0.199          | 42.5                        | 32.7    | 63.7                  | 53.7    | 21.2           | 21.0    |
| 0.328          | 37.1                        | 33.6    | 59.5                  | 49.5    | 22.4           | 15.9    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

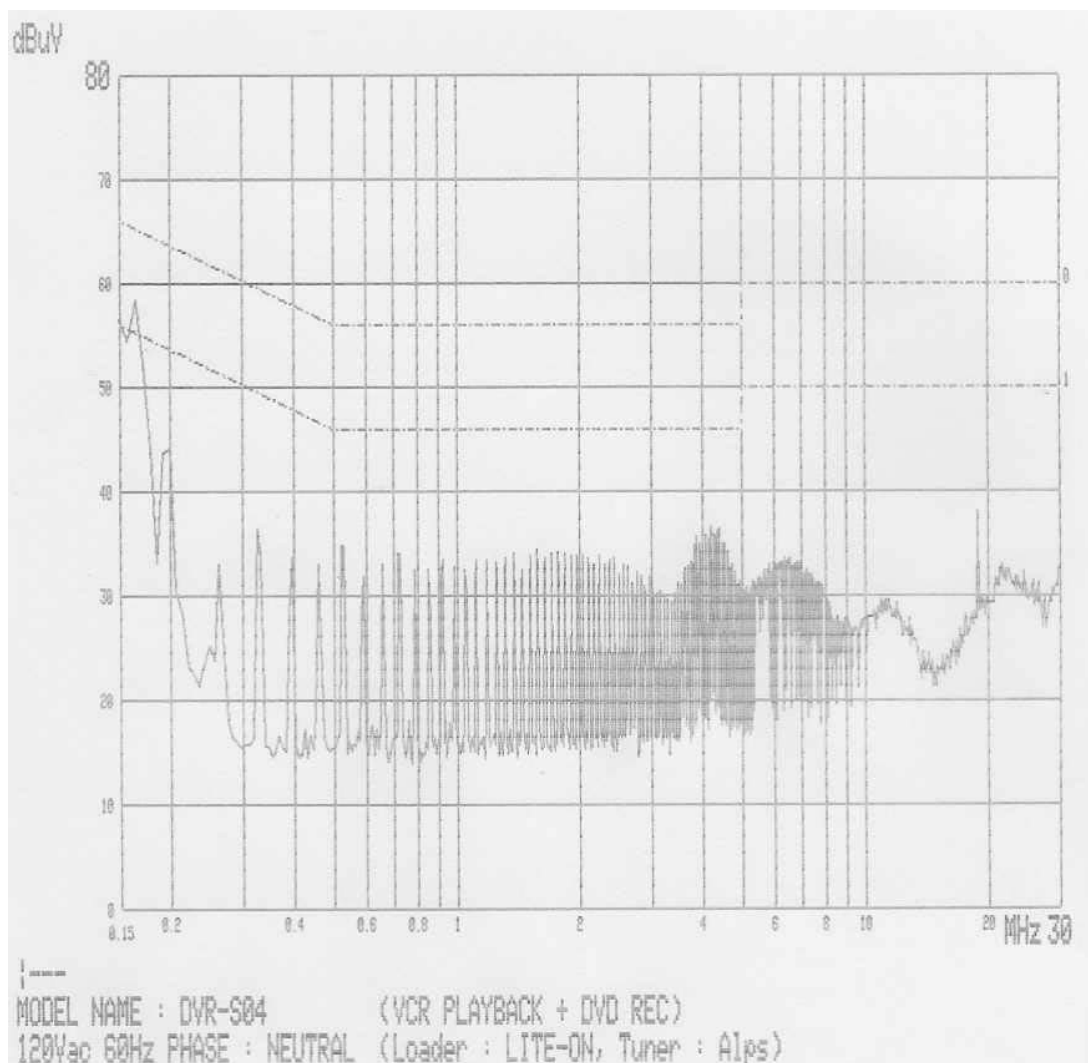
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.3                        | 13.1    | 66.0                  | 56.0    | 10.7           | 42.9    |
| 0.199          | 45.1                        | 34.1    | 63.7                  | 53.7    | 18.6           | 19.6    |
| 0.262          | 44.1                        | 42.3    | 61.4                  | 51.4    | 17.3           | 9.1     |

Note :

### Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

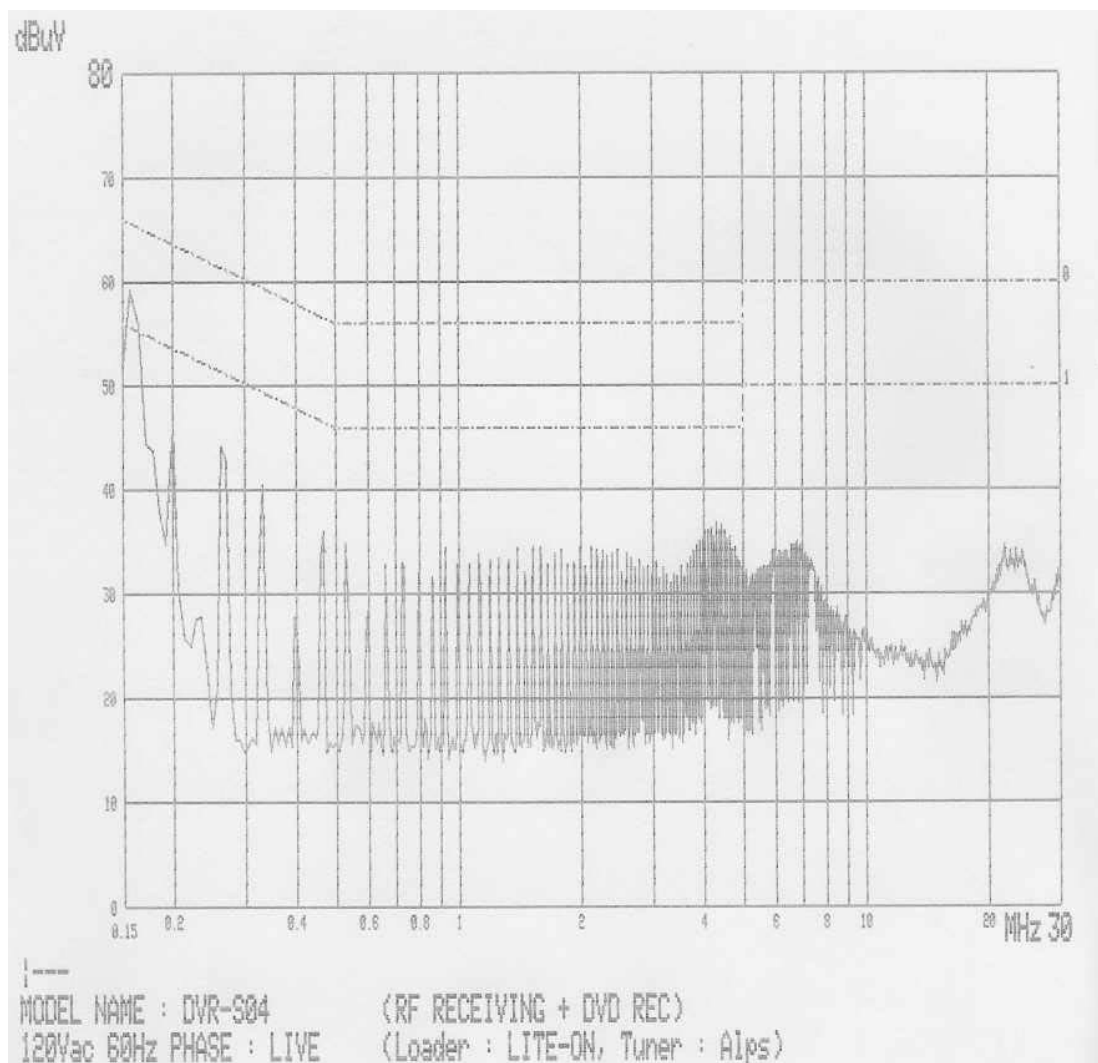
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.6                        | 13.1    | 66.0                  | 56.0    | 10.4           | 42.9    |
| 0.196          | 43.9                        | 34.9    | 63.8                  | 53.8    | 19.9           | 18.9    |
| 0.328          | 37.0                        | 33.7    | 59.5                  | 49.5    | 22.5           | 15.8    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

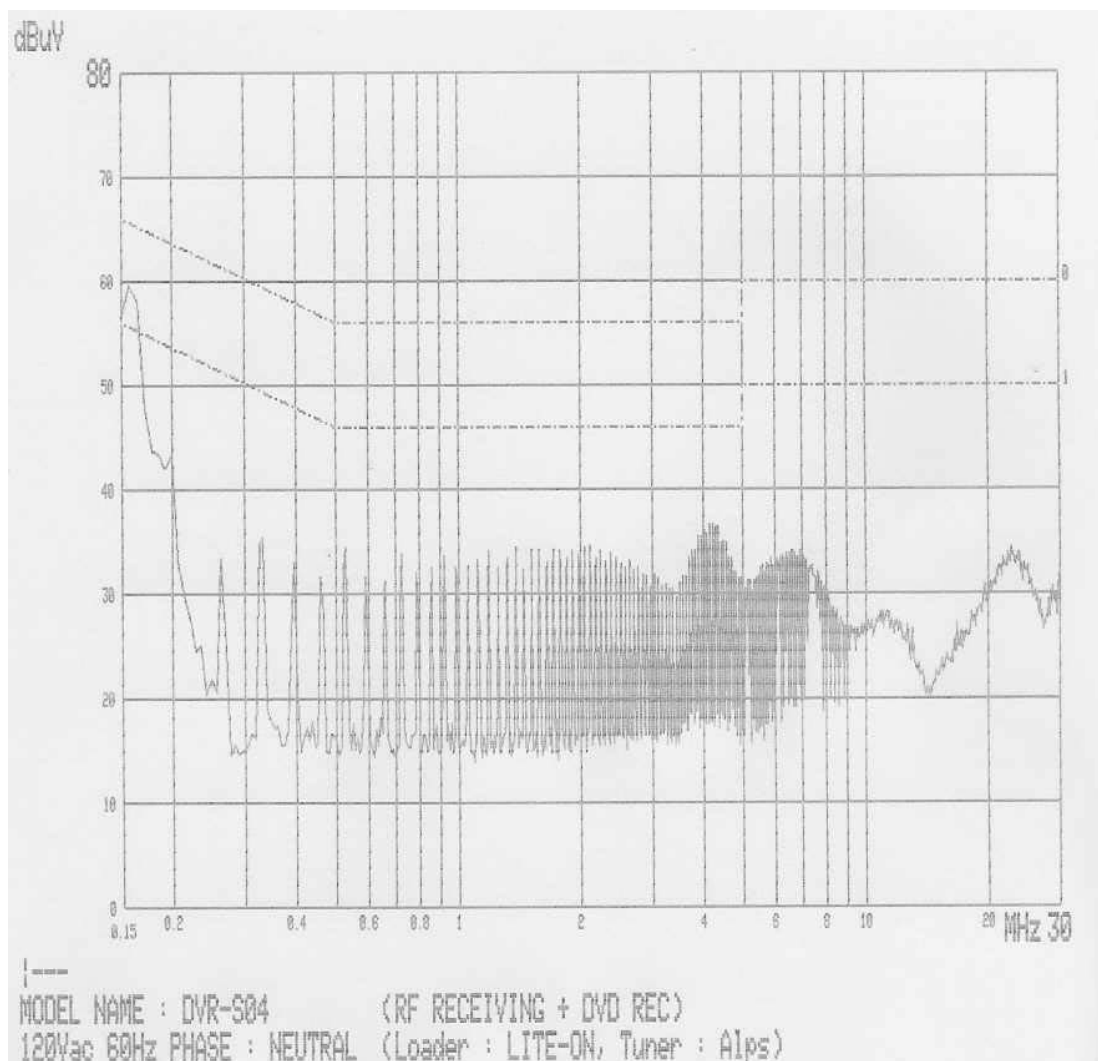
Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 56.1                        | 13.9    | 66.0                  | 56.0    | 9.9            | 42.1    |
| 0.199          | 45.2                        | 34.7    | 63.7                  | 53.7    | 18.5           | 19.0    |
| 0.263          | 43.7                        | 41.8    | 61.3                  | 51.3    | 17.6           | 9.5     |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A(ALPS)

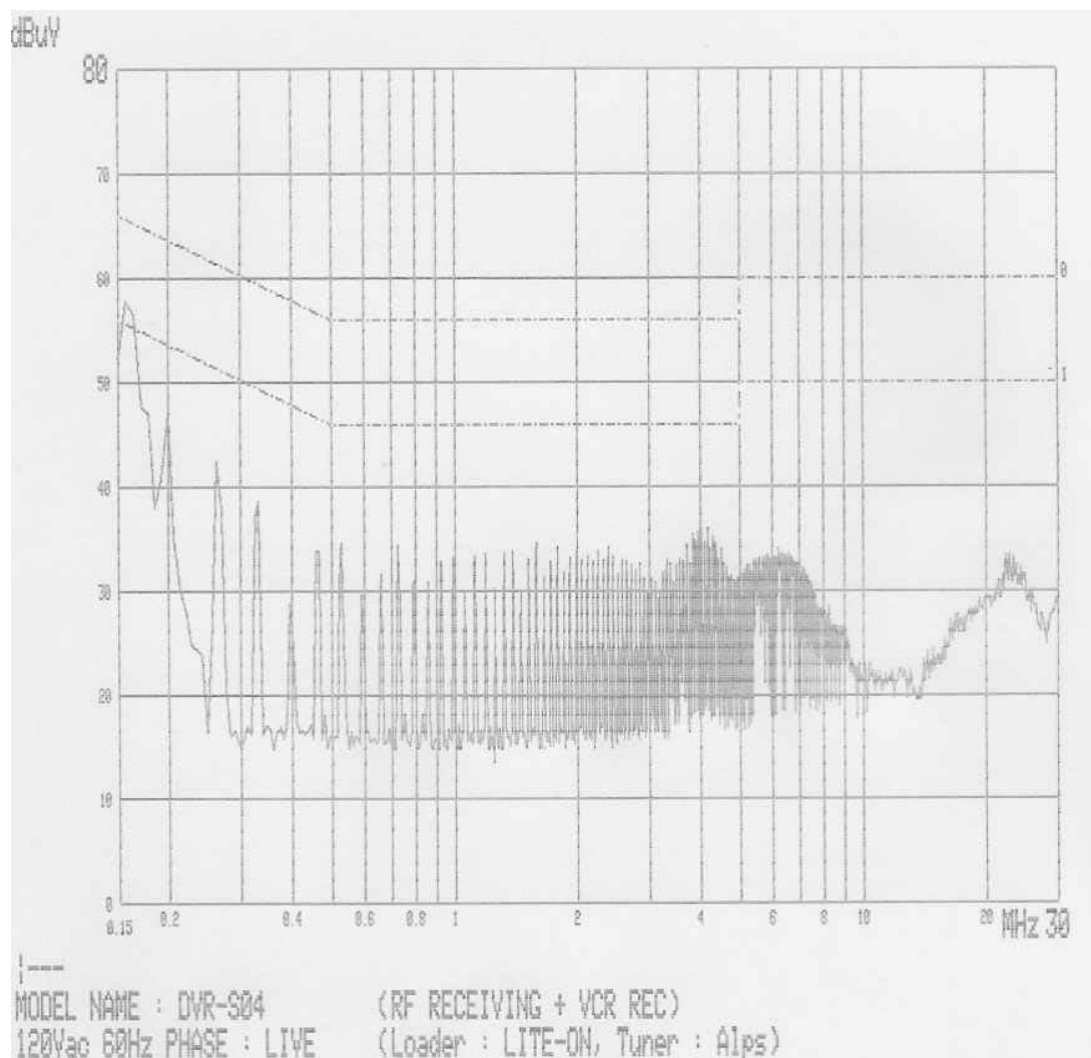
Loader : DDW-451S(LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 55.5                        | 13.4    | 66.0                  | 56.0    | 10.5           | 42.6    |
| 0.199          | 42.4                        | 33.1    | 63.7                  | 53.7    | 21.3           | 20.6    |
| 0.328          | 36.7                        | 33.7    | 59.5                  | 49.5    | 22.8           | 15.8    |

Note :

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



**Tuner : TMZH2-030A (ALPS)**

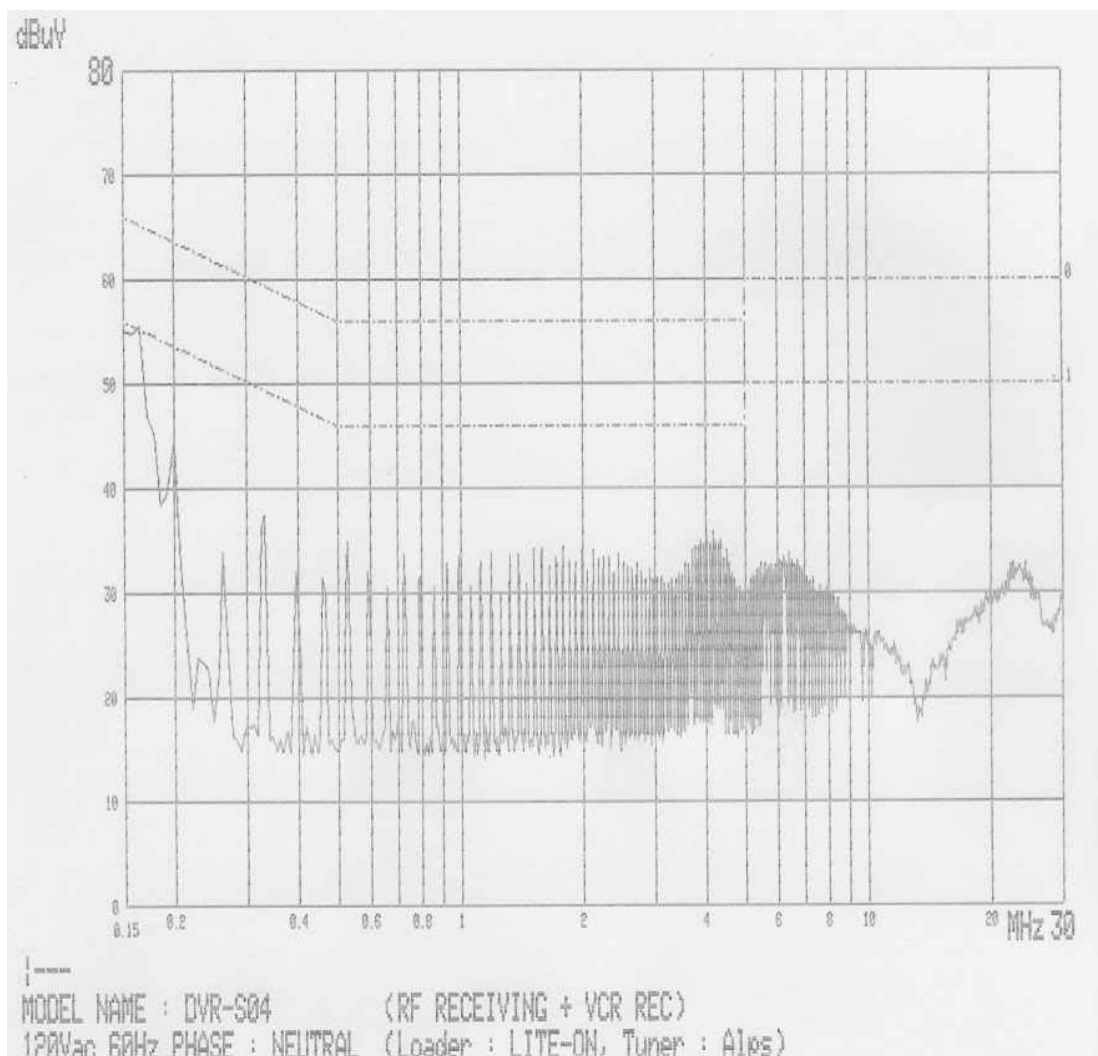
**Loader : DDW-451S (LITE-ON)**

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.7                        | 13.4    | 66.0                  | 56.0    | 11.3           | 42.6    |
| 0.199          | 46.3                        | 34.5    | 63.7                  | 53.7    | 17.4           | 19.2    |
| 0.264          | 43.0                        | 41.1    | 61.3                  | 51.3    | 18.3           | 10.2    |

*Note :*

# Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

Loader : DDW-451S (LITE-ON)

| Freq.<br>[MHz] | Measurement<br>[dB $\mu$ V] |         | Limit<br>[dB $\mu$ V] |         | Margin<br>[dB] |         |
|----------------|-----------------------------|---------|-----------------------|---------|----------------|---------|
|                | Q-peak                      | Average | Q-peak                | Average | Q-peak         | Average |
| 0.150          | 54.9                        | 13.1    | 66.0                  | 56.0    | 11.1           | 42.9    |
| 0.199          | 43.6                        | 33.3    | 63.7                  | 53.7    | 20.1           | 20.4    |
| 0.324          | 38.2                        | 34.4    | 59.6                  | 49.6    | 21.4           | 15.2    |

Note :

## TEST CONDITIONS AND DATA

### Radiated Emissions

#### [Applicable]

#### ◆ Test Equipment Used

**The test equipment used is calibrated in regular for every year.**

| <u>Model Name</u> | <u>Manufacturer</u> | <u>Descriptions</u> | <u>Calibration Date</u> | <u>Serial Number</u> |
|-------------------|---------------------|---------------------|-------------------------|----------------------|
| ESVP              | Rohde & Schwarz     | Test Receiver       | July 15, 2004           | 861744/004           |
| VULB9160          | Schwarzbeck         | Antenna             | July 19, 2004           | 3048                 |
| PM5418            | FLUKE               | Pattern Generator   | May 10, 2004            | L0796009             |

#### ◆ Auxiliary Equipment Used

| <u>Model Name</u> | <u>Manufacturer</u> | <u>Descriptions</u> |
|-------------------|---------------------|---------------------|
| 14C5T             | Daewoo Electronics. | Color TV Receiver   |

#### ◆ Accessories including cables

| <u>Name</u> | <u>Length</u> | <u>Port and Descriptions</u> |
|-------------|---------------|------------------------------|
| RCA         | 1.5m          | Audio/Video Out              |

#### ◆ Environmental Conditions

|                     |         |
|---------------------|---------|
| Temperature         | 20℃     |
| Humidity            | 50 %    |
| Atmosphere pressure | 998mbar |

#### ◆ Test Program

DVD Playback + VCR REC, VCR Playback + DVD REC,  
RF Receiving + VCR REC, RF Receiving + DVD REC

#### ◆ Test Area

Open Area Test Site #2

Note :

### **Radiated Emissions**

(Disturbance Radiation)

**[Applicable]**

**Tuner : TADM-H201F (LG)**

**Loader : DDW-451S (LITE-ON)**

| System                          | CH | Freq.<br>(MHz) | Pol.<br>(H/V) | Limits<br>(dBuV/m) | Result<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------|----|----------------|---------------|--------------------|--------------------|----------------|
| DVD Playback<br>+<br>VCR record |    | 61.8           | V             | 40.0               | 28.5               | 11.5           |
|                                 |    | 122.9          | H             | 43.5               | 26.2               | 17.3           |
|                                 |    | 196.8          | H             | 43.5               | 34.2               | 9.3            |
|                                 |    | 254.8          | H             | 46.0               | 38.5               | 7.5            |
|                                 |    | 300.0          | H             | 46.0               | 34.2               | 11.8           |
|                                 |    | 432.4          | H             | 46.0               | 33.6               | 12.4           |
|                                 |    | 441.2          | H             | 46.0               | 35.9               | 10.1           |
|                                 |    | 450.0          | H             | 46.0               | 36.9               | 9.1            |
|                                 |    |                |               |                    |                    |                |
| VCR Playback<br>+<br>DVD record |    | 61.8           | V             | 40.0               | 27.7               | 12.3           |
|                                 |    | 122.9          | H             | 43.5               | 26.8               | 16.7           |
|                                 |    | 196.8          | H             | 43.5               | 33.9               | 9.6            |
|                                 |    | 254.8          | H             | 46.0               | 39.0               | 7.0            |
|                                 |    | 300.0          | H             | 46.0               | 33.4               | 12.6           |
|                                 |    | 432.4          | H             | 46.0               | 33.3               | 12.7           |
|                                 |    | 441.2          | H             | 46.0               | 35.3               | 10.7           |
|                                 |    | 450.0          | H             | 46.0               | 37.1               | 8.9            |
|                                 |    |                |               |                    |                    |                |
| RF Receiving<br>+<br>VCR record |    | 61.8           | V             | 40.0               | 28.3               | 11.7           |
|                                 |    | 122.9          | H             | 43.5               | 27.1               | 16.4           |
|                                 |    | 196.8          | H             | 43.5               | 34.1               | 9.4            |
|                                 |    | 254.8          | H             | 46.0               | 38.9               | 7.1            |
|                                 |    | 300.0          | H             | 46.0               | 33.9               | 12.1           |
|                                 |    | 432.4          | H             | 46.0               | 34.3               | 11.7           |
|                                 |    | 441.2          | H             | 46.0               | 36.4               | 9.6            |
|                                 |    | 450.0          | H             | 46.0               | 36.9               | 9.1            |
|                                 |    |                |               |                    |                    |                |
| RF Receiving<br>+<br>DVD record |    | 61.8           | V             | 40.0               | 28.6               | 11.4           |
|                                 |    | 122.9          | H             | 43.5               | 25.9               | 17.6           |
|                                 |    | 196.8          | H             | 43.5               | 34.0               | 9.5            |
|                                 |    | 254.8          | H             | 46.0               | 38.7               | 7.3            |
|                                 |    | 300.0          | H             | 46.0               | 33.3               | 12.7           |
|                                 |    | 432.4          | H             | 46.0               | 34.2               | 11.8           |
|                                 |    | 441.2          | H             | 46.0               | 36.3               | 9.7            |
|                                 |    | 450.0          | H             | 46.0               | 36.6               | 9.4            |

*Note : RV4000 Model.*

### **Radiated Emissions**

(Disturbance Radiation)

**[Applicable]**

**Tuner : TADM-H201F (LG)**

**Loader : BDR-L04P (BTC)**

| System                          | CH | Freq.<br>(MHz) | Pol.<br>(H/V) | Limits<br>(dBuV/m) | Result<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------|----|----------------|---------------|--------------------|--------------------|----------------|
| DVD Playback<br>+<br>VCR record |    | 61.8           | V             | 40.0               | 28.3               | 11.7           |
|                                 |    | 122.9          | H             | 43.5               | 26.2               | 17.3           |
|                                 |    | 196.8          | H             | 43.5               | 34.3               | 9.2            |
|                                 |    | 254.8          | H             | 46.0               | 38.5               | 7.5            |
|                                 |    | 300.0          | H             | 46.0               | 33.7               | 12.3           |
|                                 |    | 432.4          | H             | 46.0               | 34.1               | 11.9           |
|                                 |    | 441.2          | H             | 46.0               | 35.5               | 10.5           |
|                                 |    | 450.0          | H             | 46.0               | 36.8               | 9.2            |
|                                 |    |                |               |                    |                    |                |
| VCR Playback<br>+<br>DVD record |    | 61.8           | V             | 40.0               | 27.8               | 12.2           |
|                                 |    | 122.9          | H             | 43.5               | 26.3               | 17.2           |
|                                 |    | 196.8          | H             | 43.5               | 34.2               | 9.3            |
|                                 |    | 254.8          | H             | 46.0               | 38.7               | 7.3            |
|                                 |    | 300.0          | H             | 46.0               | 33.4               | 12.6           |
|                                 |    | 432.4          | H             | 46.0               | 33.3               | 12.7           |
|                                 |    | 441.2          | H             | 46.0               | 35.4               | 10.6           |
|                                 |    | 450.0          | H             | 46.0               | 37.4               | 8.6            |
|                                 |    |                |               |                    |                    |                |
| RF Receiving<br>+<br>VCR record |    | 61.8           | V             | 40.0               | 28.4               | 11.6           |
|                                 |    | 122.9          | H             | 43.5               | 26.0               | 17.5           |
|                                 |    | 196.8          | H             | 43.5               | 34.6               | 8.9            |
|                                 |    | 254.8          | H             | 46.0               | 38.6               | 7.4            |
|                                 |    | 300.0          | H             | 46.0               | 33.9               | 12.1           |
|                                 |    | 432.4          | H             | 46.0               | 34.0               | 12.0           |
|                                 |    | 441.2          | H             | 46.0               | 35.9               | 10.1           |
|                                 |    | 450.0          | H             | 46.0               | 36.4               | 9.6            |
|                                 |    |                |               |                    |                    |                |
| RF Receiving<br>+<br>DVD record |    | 61.8           | V             | 40.0               | 28.5               | 11.5           |
|                                 |    | 122.9          | H             | 43.5               | 26.2               | 17.3           |
|                                 |    | 196.8          | H             | 43.5               | 34.5               | 9.0            |
|                                 |    | 254.8          | H             | 46.0               | 39.1               | 6.9            |
|                                 |    | 300.0          | H             | 46.0               | 33.6               | 12.4           |
|                                 |    | 432.4          | H             | 46.0               | 33.9               | 12.1           |
|                                 |    | 441.2          | H             | 46.0               | 36.2               | 9.8            |
|                                 |    | 450.0          | H             | 46.0               | 36.8               | 9.2            |

*Note : RV4000 Model.*

### **Radiated Emissions**

(Disturbance Radiation)

**[Applicable]**

**Tuner : TMZH2-030A (ALPS)**

**Loader : DDW-451S (LITE-ON)**

| System                          | CH | Freq.<br>(MHz) | Pol.<br>(H/V) | Limits<br>(dBuV/m) | Result<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------|----|----------------|---------------|--------------------|--------------------|----------------|
| DVD Playback<br>+<br>VCR record |    | 61.8           | V             | 40.0               | 28.6               | 11.4           |
|                                 |    | 122.9          | H             | 43.5               | 26.1               | 17.4           |
|                                 |    | 196.8          | H             | 43.5               | 34.5               | 9.0            |
|                                 |    | 254.8          | H             | 46.0               | 39.0               | 7.0            |
|                                 |    | 300.0          | H             | 46.0               | 34.0               | 12.0           |
|                                 |    | 432.4          | H             | 46.0               | 33.9               | 12.1           |
|                                 |    | 441.2          | H             | 46.0               | 35.8               | 10.2           |
|                                 |    | 450.0          | H             | 46.0               | 36.7               | 9.3            |
|                                 |    |                |               |                    |                    |                |
| VCR Playback<br>+<br>DVD record |    | 61.8           | V             | 40.0               | 27.9               | 12.1           |
|                                 |    | 122.9          | H             | 43.5               | 26.5               | 17.0           |
|                                 |    | 196.8          | H             | 43.5               | 34.2               | 9.3            |
|                                 |    | 254.8          | H             | 46.0               | 39.1               | 6.9            |
|                                 |    | 300.0          | H             | 46.0               | 33.6               | 12.4           |
|                                 |    | 432.4          | H             | 46.0               | 33.7               | 12.3           |
|                                 |    | 441.2          | H             | 46.0               | 35.6               | 10.4           |
|                                 |    | 450.0          | H             | 46.0               | 36.8               | 9.2            |
|                                 |    |                |               |                    |                    |                |
| RF Receiving<br>+<br>VCR record |    | 61.8           | V             | 40.0               | 28.7               | 11.3           |
|                                 |    | 122.9          | H             | 43.5               | 26.3               | 17.2           |
|                                 |    | 196.8          | H             | 43.5               | 34.0               | 9.5            |
|                                 |    | 254.8          | H             | 46.0               | 38.9               | 7.1            |
|                                 |    | 300.0          | H             | 46.0               | 34.1               | 11.9           |
|                                 |    | 432.4          | H             | 46.0               | 34.1               | 11.9           |
|                                 |    | 441.2          | H             | 46.0               | 36.1               | 9.9            |
|                                 |    | 450.0          | H             | 46.0               | 36.4               | 9.6            |
|                                 |    |                |               |                    |                    |                |
| RF Receiving<br>+<br>DVD record |    | 61.8           | V             | 40.0               | 28.8               | 11.2           |
|                                 |    | 122.9          | H             | 43.5               | 26.0               | 17.5           |
|                                 |    | 196.8          | H             | 43.5               | 34.4               | 9.1            |
|                                 |    | 254.8          | H             | 46.0               | 39.2               | 6.8            |
|                                 |    | 300.0          | H             | 46.0               | 33.8               | 12.2           |
|                                 |    | 432.4          | H             | 46.0               | 34.0               | 12.0           |
|                                 |    | 441.2          | H             | 46.0               | 36.0               | 10.0           |
|                                 |    | 450.0          | H             | 46.0               | 36.6               | 9.4            |

*Note : RV4000 Model*

### **Radiated Emissions**

(Disturbance Radiation)

**[Applicable]**

**Tuner : TMZH2-030A (ALPS)**

**Loader : BDR-L04P (BTC)**

| System                          | CH | Freq.<br>(MHz) | Pol.<br>(H/V) | Limits<br>(dBuV/m) | Result<br>(dBuV/m) | Margin<br>(dB) |
|---------------------------------|----|----------------|---------------|--------------------|--------------------|----------------|
| DVD Playback<br>+<br>VCR record |    | 61.8           | V             | 40.0               | 28.4               | 11.6           |
|                                 |    | 122.9          | H             | 43.5               | 26.1               | 17.4           |
|                                 |    | 196.8          | H             | 43.5               | 34.3               | 9.2            |
|                                 |    | 254.8          | H             | 46.0               | 38.8               | 7.2            |
|                                 |    | 300.0          | H             | 46.0               | 34.1               | 11.9           |
|                                 |    | 432.4          | H             | 46.0               | 33.5               | 12.5           |
|                                 |    | 441.2          | H             | 46.0               | 36.0               | 10.0           |
|                                 |    | 450.0          | H             | 46.0               | 37.0               | 9.0            |
|                                 |    |                |               |                    |                    |                |
| VCR Playback<br>+<br>DVD record |    | 61.8           | V             | 40.0               | 27.6               | 12.4           |
|                                 |    | 122.9          | H             | 43.5               | 27.0               | 16.5           |
|                                 |    | 196.8          | H             | 43.5               | 34.2               | 9.3            |
|                                 |    | 254.8          | H             | 46.0               | 38.5               | 7.5            |
|                                 |    | 300.0          | H             | 46.0               | 33.2               | 12.8           |
|                                 |    | 432.4          | H             | 46.0               | 33.1               | 12.9           |
|                                 |    | 441.2          | H             | 46.0               | 35.4               | 10.6           |
|                                 |    | 450.0          | H             | 46.0               | 36.9               | 9.1            |
|                                 |    |                |               |                    |                    |                |
| RF Receiving<br>+<br>VCR record |    | 61.8           | V             | 40.0               | 28.7               | 11.3           |
|                                 |    | 122.9          | H             | 43.5               | 26.2               | 17.3           |
|                                 |    | 196.8          | H             | 43.5               | 34.3               | 9.2            |
|                                 |    | 254.8          | H             | 46.0               | 38.7               | 7.3            |
|                                 |    | 300.0          | H             | 46.0               | 33.3               | 12.7           |
|                                 |    | 432.4          | H             | 46.0               | 34.1               | 11.9           |
|                                 |    | 441.2          | H             | 46.0               | 36.3               | 9.7            |
|                                 |    | 450.0          | H             | 46.0               | 36.9               | 9.1            |
|                                 |    |                |               |                    |                    |                |
| RF Receiving<br>+<br>DVD record |    | 61.8           | V             | 40.0               | 28.2               | 11.8           |
|                                 |    | 122.9          | H             | 43.5               | 26.2               | 17.3           |
|                                 |    | 196.8          | H             | 43.5               | 33.9               | 9.6            |
|                                 |    | 254.8          | H             | 46.0               | 38.8               | 7.2            |
|                                 |    | 300.0          | H             | 46.0               | 33.0               | 13.0           |
|                                 |    | 432.4          | H             | 46.0               | 33.9               | 12.1           |
|                                 |    | 441.2          | H             | 46.0               | 35.9               | 10.1           |
|                                 |    | 450.0          | H             | 46.0               | 36.6               | 9.4            |

*Note : RV4000 Model.*

### **Radiated Emissions**

(Disturbance Radiation)

**[Applicable]**

**Tuner : TADM-H201F (LG)**

**Loader : DDW-451S (LITE-ON)**

| System       | CH | Freq.<br>(MHz) | Pol.<br>(H/V) | Limits<br>(dBuV/m) | Result<br>(dBuV/m) | Margin<br>(dB) |
|--------------|----|----------------|---------------|--------------------|--------------------|----------------|
| DVD Playback |    | 172.0          | H             | 43.5               | 28.5               | 15.0           |
| +            |    | 196.8          | H             | 43.5               | 31.7               | 11.8           |
| VCR record   |    | 258.0          | H             | 46.0               | 38.2               | 7.8            |
|              |    | 351.0          | H             | 46.0               | 35.6               | 10.4           |
|              |    | 449.7          | H             | 46.0               | 31.6               | 14.4           |
|              |    | 474.0          | H             | 46.0               | 32.3               | 13.7           |
|              |    |                |               |                    |                    |                |
| VCR Playback |    | 172.0          | H             | 43.5               | 28.2               | 15.3           |
| +            |    | 196.8          | H             | 43.5               | 31.3               | 12.2           |
| DVD record   |    | 258.0          | H             | 46.0               | 38.1               | 7.9            |
|              |    | 351.0          | H             | 46.0               | 35.4               | 10.6           |
|              |    | 449.7          | H             | 46.0               | 31.9               | 14.1           |
|              |    | 474.0          | H             | 46.0               | 32.6               | 13.4           |
|              |    |                |               |                    |                    |                |
| RF Receiving |    | 172.0          | H             | 43.5               | 28.3               | 15.2           |
| +            |    | 196.8          | H             | 43.5               | 32.0               | 11.5           |
| VCR record   |    | 258.0          | H             | 46.0               | 38.3               | 7.7            |
|              |    | 351.0          | H             | 46.0               | 35.7               | 10.3           |
|              |    | 449.7          | H             | 46.0               | 31.8               | 14.2           |
|              |    | 474.0          | H             | 46.0               | 31.9               | 14.1           |
|              |    |                |               |                    |                    |                |
| RF Receiving |    | 172.0          | H             | 43.5               | 28.4               | 15.1           |
| +            |    | 196.8          | H             | 43.5               | 31.8               | 11.7           |
| DVD record   |    | 258.0          | H             | 46.0               | 38.1               | 7.9            |
|              |    | 351.0          | H             | 46.0               | 35.6               | 10.4           |
|              |    | 449.7          | H             | 46.0               | 31.8               | 14.2           |
|              |    | 474.0          | H             | 46.0               | 32.5               | 13.5           |

*Note : DVR-S04 Model.*

### **Radiated Emissions**

(Disturbance Radiation)

**[Applicable]**

**Tuner : TADM-H201F (LG)**

**Loader : BDR-L04P (BTC)**

| System       | CH | Freq.<br>(MHz) | Pol.<br>(H/V) | Limits<br>(dBuV/m) | Result<br>(dBuV/m) | Margin<br>(dB) |
|--------------|----|----------------|---------------|--------------------|--------------------|----------------|
| DVD Playback |    | 172.0          | H             | 43.5               | 28.6               | 14.9           |
| +            |    | 196.8          | H             | 43.5               | 31.5               | 12.0           |
| VCR record   |    | 258.0          | H             | 46.0               | 38.1               | 7.9            |
|              |    | 351.0          | H             | 46.0               | 35.7               | 10.3           |
|              |    | 449.7          | H             | 46.0               | 32.1               | 13.9           |
|              |    | 474.0          | H             | 46.0               | 32.1               | 13.9           |
|              |    |                |               |                    |                    |                |
| VCR Playback |    | 172.0          | H             | 43.5               | 28.3               | 15.2           |
| +            |    | 196.8          | H             | 43.5               | 31.5               | 12.0           |
| DVD record   |    | 258.0          | H             | 46.0               | 38.3               | 7.7            |
|              |    | 351.0          | H             | 46.0               | 35.7               | 10.3           |
|              |    | 449.7          | H             | 46.0               | 32.4               | 13.6           |
|              |    | 474.0          | H             | 46.0               | 32.4               | 13.6           |
|              |    |                |               |                    |                    |                |
| RF Receiving |    | 172.0          | H             | 43.5               | 28.9               | 14.6           |
| +            |    | 196.8          | H             | 43.5               | 31.7               | 11.8           |
| VCR record   |    | 258.0          | H             | 46.0               | 38.0               | 8.0            |
|              |    | 351.0          | H             | 46.0               | 35.9               | 10.1           |
|              |    | 449.7          | H             | 46.0               | 32.4               | 13.6           |
|              |    | 474.0          | H             | 46.0               | 32.2               | 13.8           |
|              |    |                |               |                    |                    |                |
| RF Receiving |    | 172.0          | H             | 43.5               | 28.1               | 15.4           |
| +            |    | 196.8          | H             | 43.5               | 31.6               | 11.9           |
| DVD record   |    | 258.0          | H             | 46.0               | 38.5               | 7.5            |
|              |    | 351.0          | H             | 46.0               | 35.9               | 10.1           |
|              |    | 449.7          | H             | 46.0               | 32.3               | 13.7           |
|              |    | 474.0          | H             | 46.0               | 32.6               | 13.4           |

*Note : DVR-S04 Model.*

### **Radiated Emissions**

(Disturbance Radiation)

**[Applicable]**

**Tuner : TMZH2-030A (ALPS)**

**Loader : DDW-451S (LITE-ON)**

| System       | CH | Freq.<br>(MHz) | Pol.<br>(H/V) | Limits<br>(dBuV/m) | Result<br>(dBuV/m) | Margin<br>(dB) |
|--------------|----|----------------|---------------|--------------------|--------------------|----------------|
| DVD Playback |    | 172.0          | H             | 43.5               | 28.2               | 15.3           |
| +            |    | 196.8          | H             | 43.5               | 31.8               | 11.7           |
| VCR record   |    | 258.0          | H             | 46.0               | 38.3               | 7.7            |
|              |    | 351.0          | H             | 46.0               | 35.8               | 10.2           |
|              |    | 449.7          | H             | 46.0               | 31.8               | 14.2           |
|              |    | 474.0          | H             | 46.0               | 32.1               | 13.9           |
|              |    |                |               |                    |                    |                |
| VCR Playback |    | 172.0          | H             | 43.5               | 28.1               | 15.4           |
| +            |    | 196.8          | H             | 43.5               | 31.7               | 11.8           |
| DVD record   |    | 258.0          | H             | 46.0               | 38.3               | 7.7            |
|              |    | 351.0          | H             | 46.0               | 35.7               | 10.3           |
|              |    | 449.7          | H             | 46.0               | 32.2               | 13.8           |
|              |    | 474.0          | H             | 46.0               | 32.0               | 14.0           |
|              |    |                |               |                    |                    |                |
| RF Receiving |    | 172.0          | H             | 43.5               | 28.0               | 15.5           |
| +            |    | 196.8          | H             | 43.5               | 32.1               | 11.4           |
| VCR record   |    | 258.0          | H             | 46.0               | 38.2               | 7.8            |
|              |    | 351.0          | H             | 46.0               | 35.8               | 10.2           |
|              |    | 449.7          | H             | 46.0               | 31.7               | 14.3           |
|              |    | 474.0          | H             | 46.0               | 32.2               | 13.8           |
|              |    |                |               |                    |                    |                |
| RF Receiving |    | 172.0          | H             | 43.5               | 28.0               | 15.5           |
| +            |    | 196.8          | H             | 43.5               | 32.1               | 11.4           |
| DVD record   |    | 258.0          | H             | 46.0               | 38.2               | 7.8            |
|              |    | 351.0          | H             | 46.0               | 35.8               | 10.2           |
|              |    | 449.7          | H             | 46.0               | 31.7               | 14.3           |
|              |    | 474.0          | H             | 46.0               | 32.2               | 13.8           |

*Note : DVR-S04 Model.*

### **Radiated Emissions**

(Disturbance Radiation)

**[Applicable]**

**Tuner : TMZH2-030A (ALPS)**

**Loader : BDR-L04P (BTC)**

| System       | CH | Freq.<br>(MHz) | Pol.<br>(H/V) | Limits<br>(dBuV/m) | Result<br>(dBuV/m) | Margin<br>(dB) |
|--------------|----|----------------|---------------|--------------------|--------------------|----------------|
| DVD Playback |    | 172.0          | H             | 43.5               | 28.5               | 15.0           |
| +            |    | 196.8          | H             | 43.5               | 31.7               | 11.8           |
| VCR record   |    | 258.0          | H             | 46.0               | 38.2               | 7.8            |
|              |    | 351.0          | H             | 46.0               | 35.9               | 10.1           |
|              |    | 449.7          | H             | 46.0               | 32.0               | 14.0           |
|              |    | 474.0          | H             | 46.0               | 32.5               | 13.5           |
|              |    |                |               |                    |                    |                |
| VCR Playback |    | 172.0          | H             | 43.5               | 28.0               | 15.5           |
| +            |    | 196.8          | H             | 43.5               | 31.8               | 11.7           |
| DVD record   |    | 258.0          | H             | 46.0               | 38.1               | 7.9            |
|              |    | 351.0          | H             | 46.0               | 35.6               | 10.4           |
|              |    | 449.7          | H             | 46.0               | 32.3               | 13.7           |
|              |    | 474.0          | H             | 46.0               | 33.0               | 13.0           |
|              |    |                |               |                    |                    |                |
| RF Receiving |    | 172.0          | H             | 43.5               | 28.2               | 15.3           |
| +            |    | 196.8          | H             | 43.5               | 31.5               | 12.0           |
| VCR record   |    | 258.0          | H             | 46.0               | 38.1               | 7.9            |
|              |    | 351.0          | H             | 46.0               | 35.6               | 10.4           |
|              |    | 449.7          | H             | 46.0               | 32.5               | 13.5           |
|              |    | 474.0          | H             | 46.0               | 32.6               | 13.4           |
|              |    |                |               |                    |                    |                |
| RF Receiving |    | 172.0          | H             | 43.5               | 28.4               | 15.1           |
| +            |    | 196.8          | H             | 43.5               | 31.9               | 11.6           |
| DVD record   |    | 258.0          | H             | 46.0               | 38.6               | 7.4            |
|              |    | 351.0          | H             | 46.0               | 35.8               | 10.2           |
|              |    | 449.7          | H             | 46.0               | 31.6               | 14.4           |
|              |    | 474.0          | H             | 46.0               | 32.2               | 13.8           |

*Note : DVR-S04 Model.*

The DUT photos - RV4000



Front View



Rear View

The DUT photos - DVR-S04

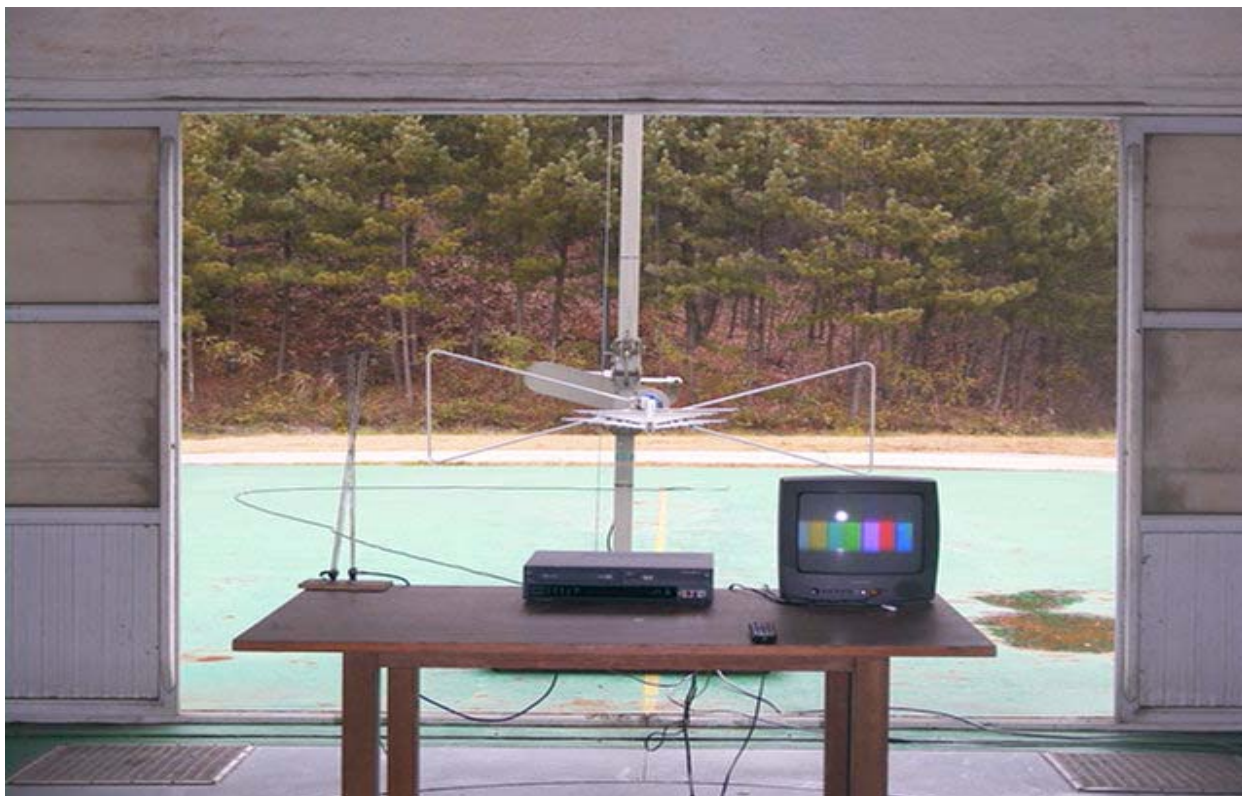


Front View



Rear View

Test Setup Photos - Radiated Emissions



Front View



Rear View

Test Setup Photos - Conducted Emissions



Front View



Rear View