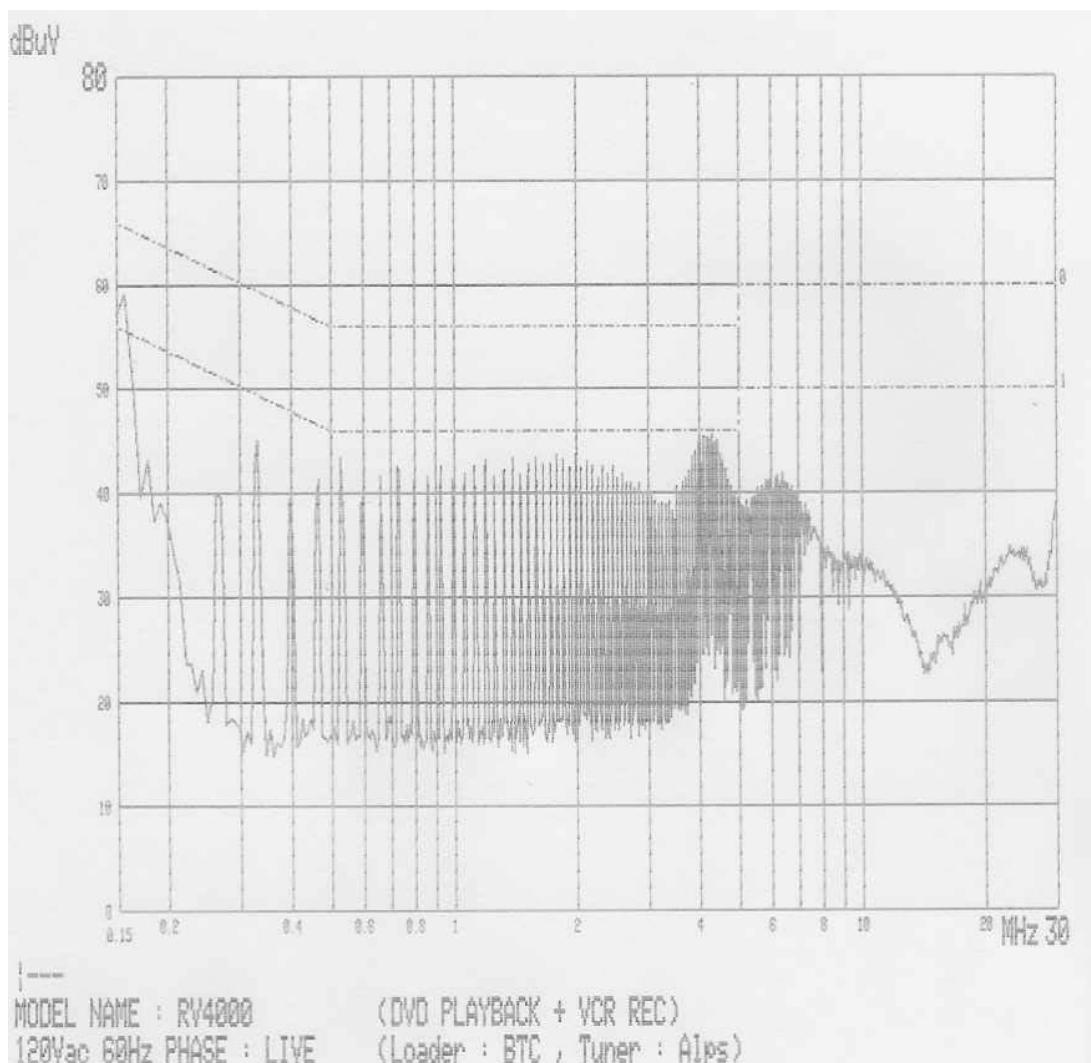


Conducted Emissions

(Mains Terminal Disturbance Voltages)



Tuner : TMZH2-030A (ALPS)

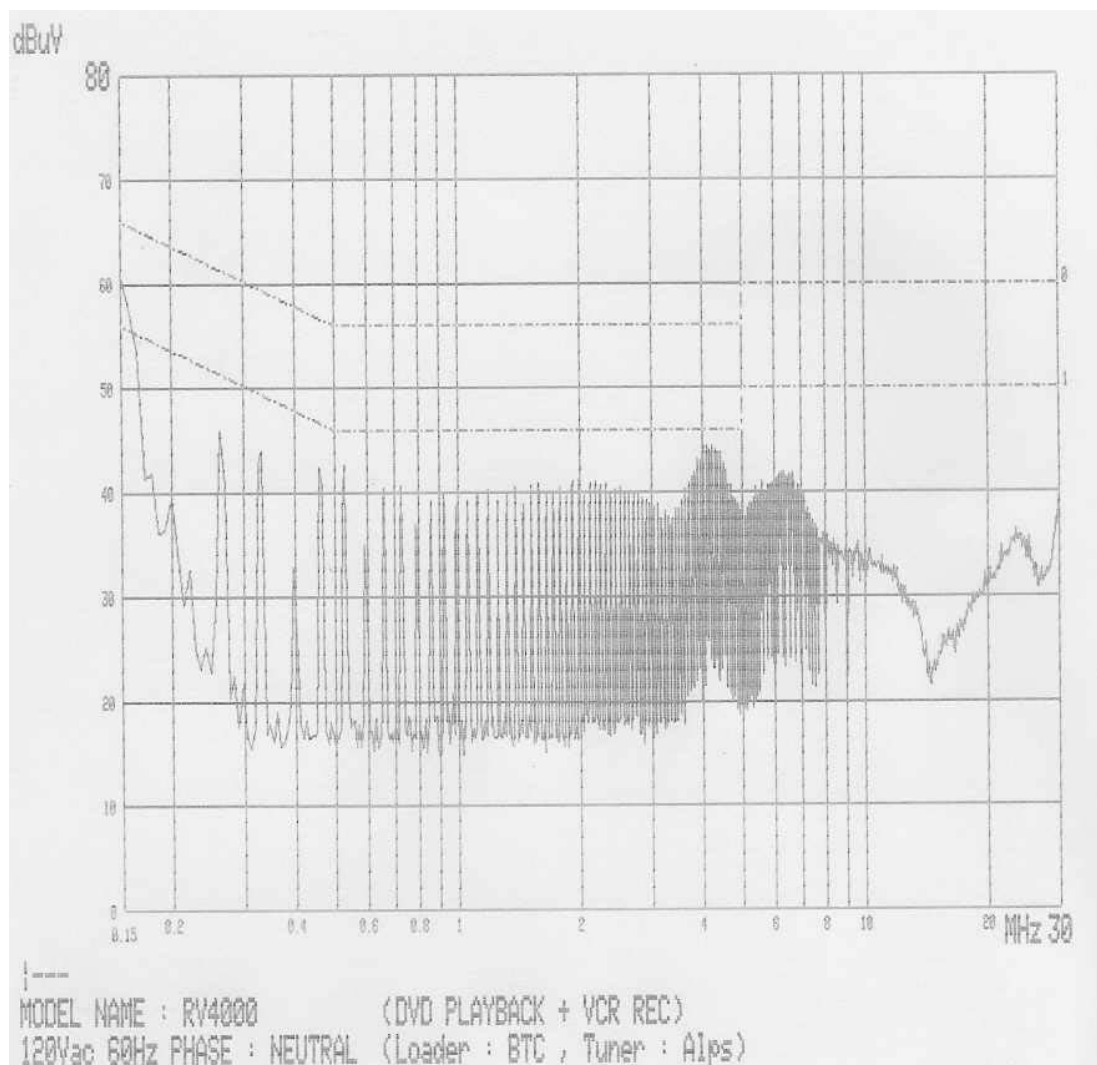
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

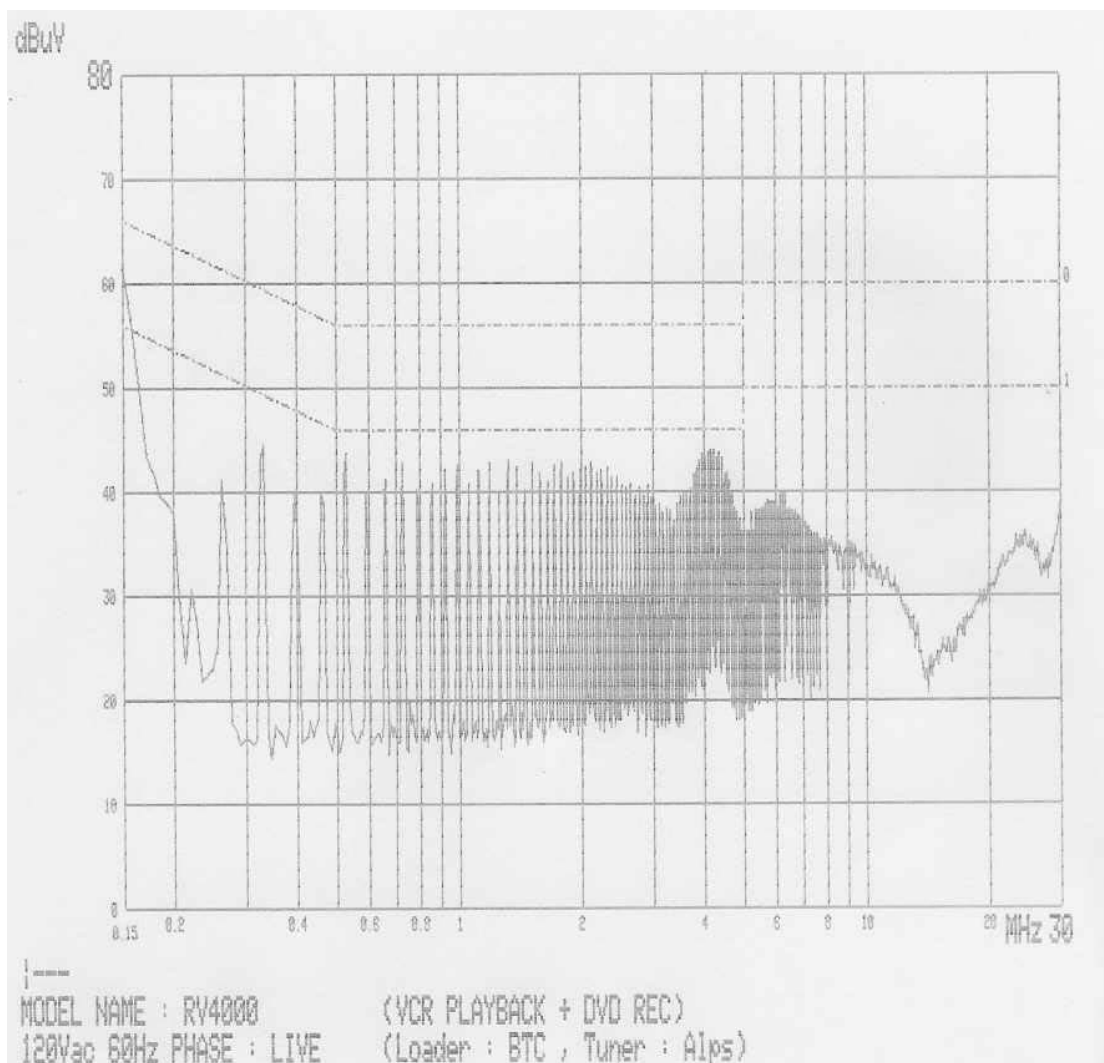
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

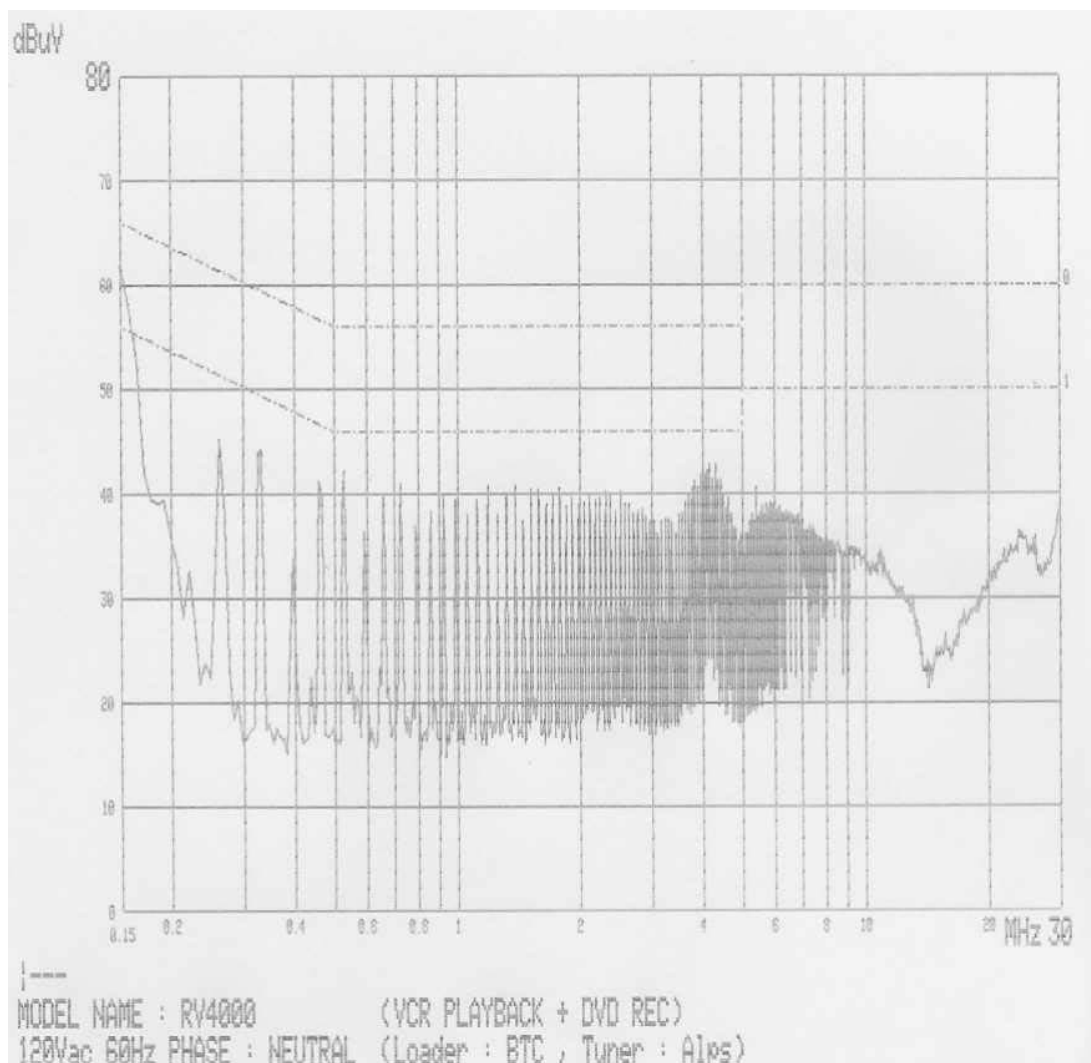
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

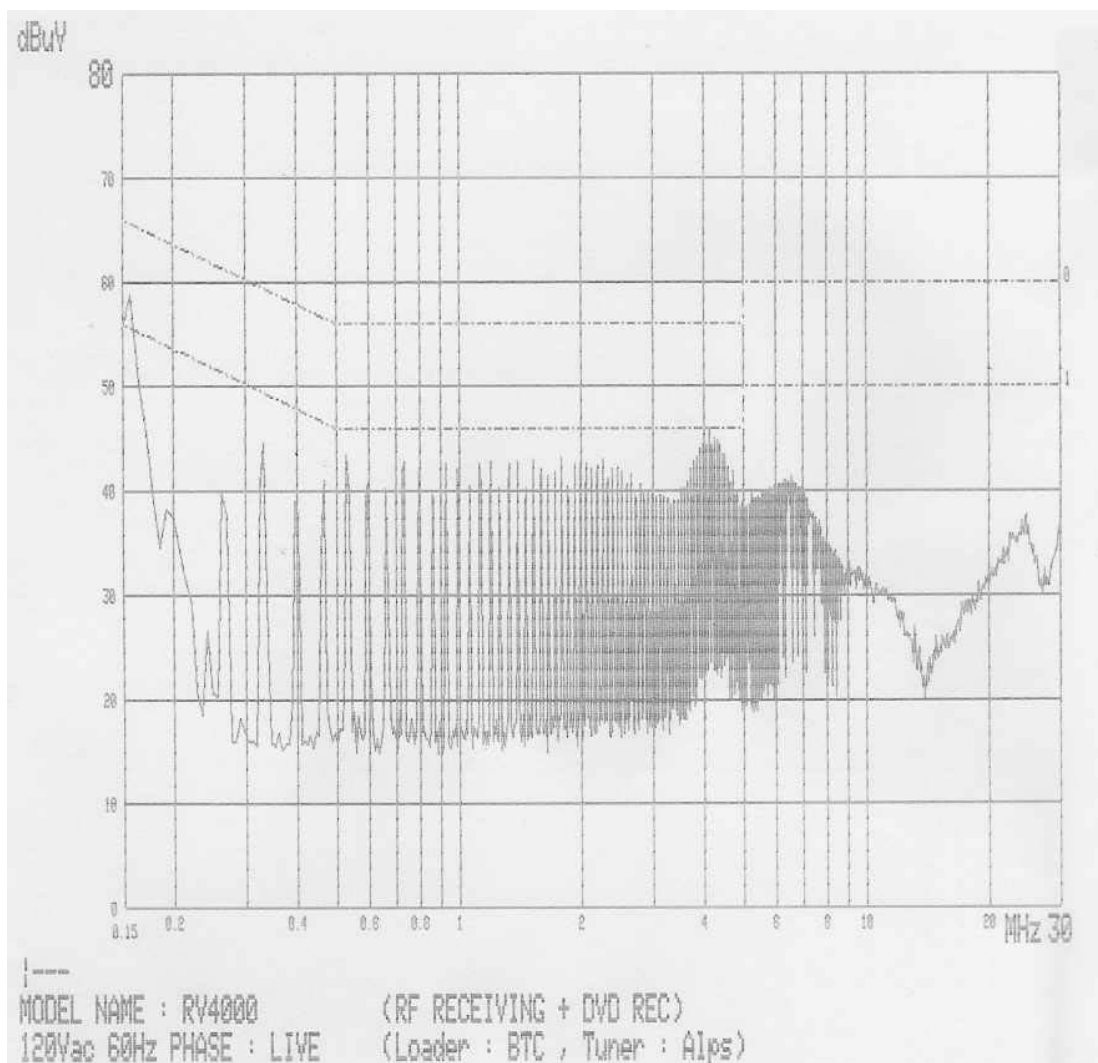
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

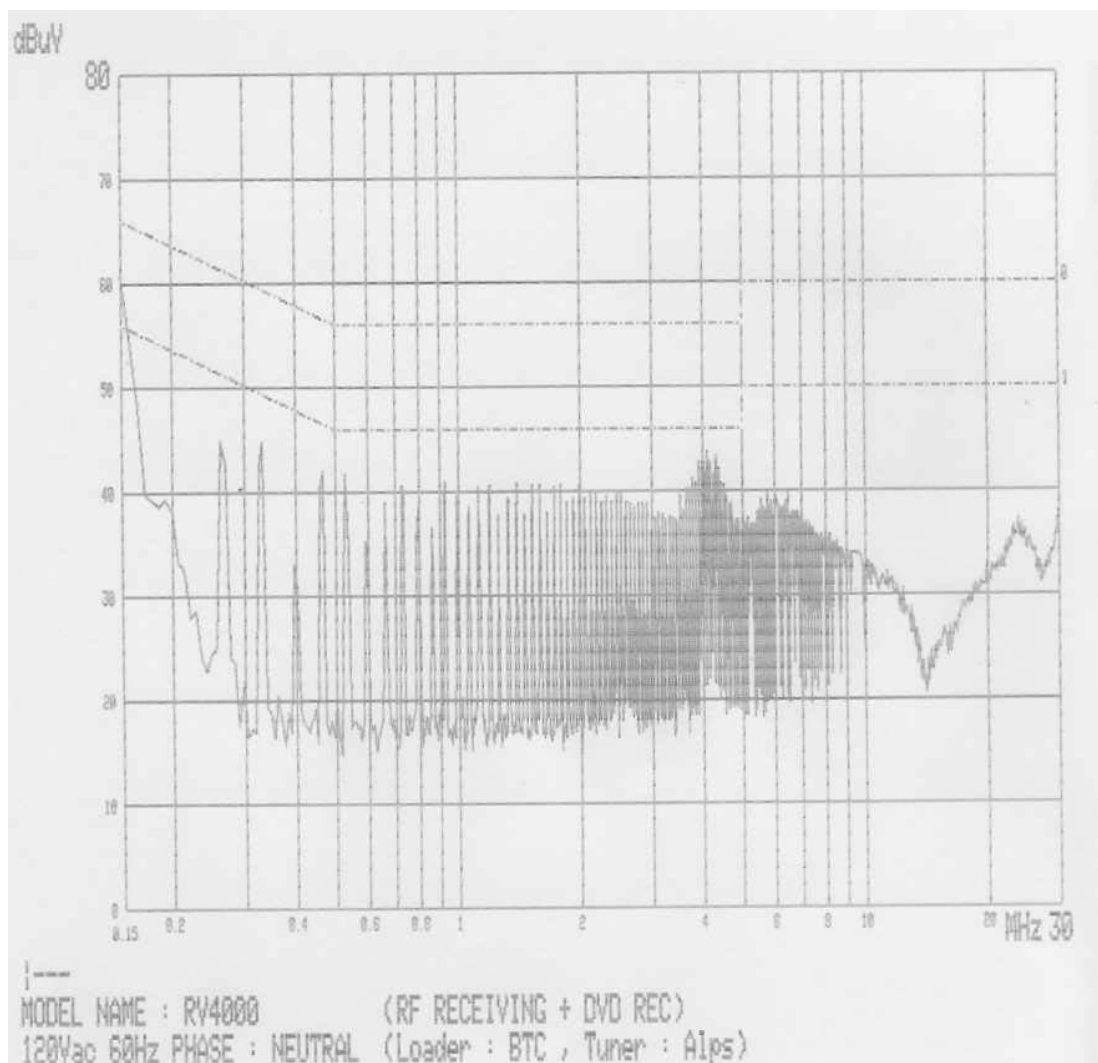
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

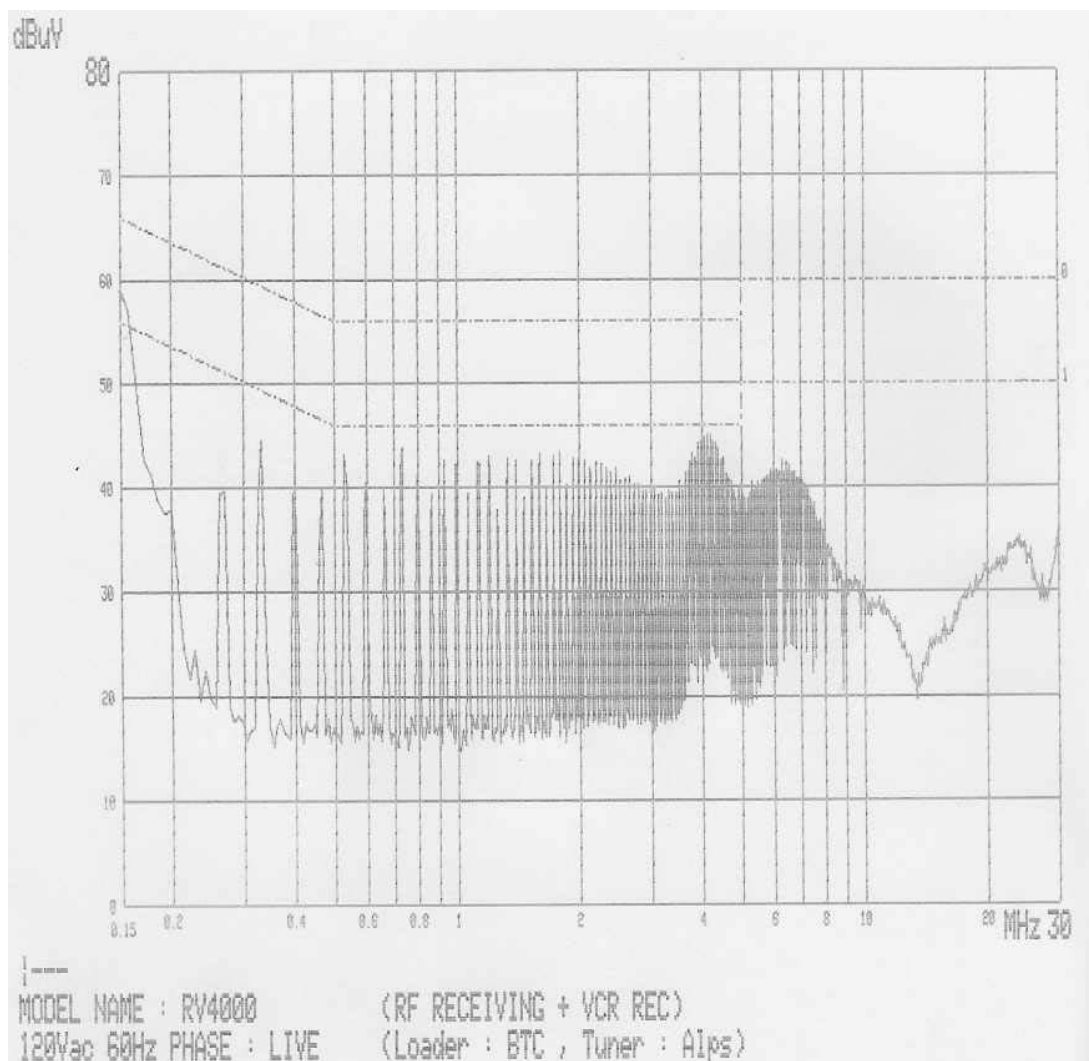
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

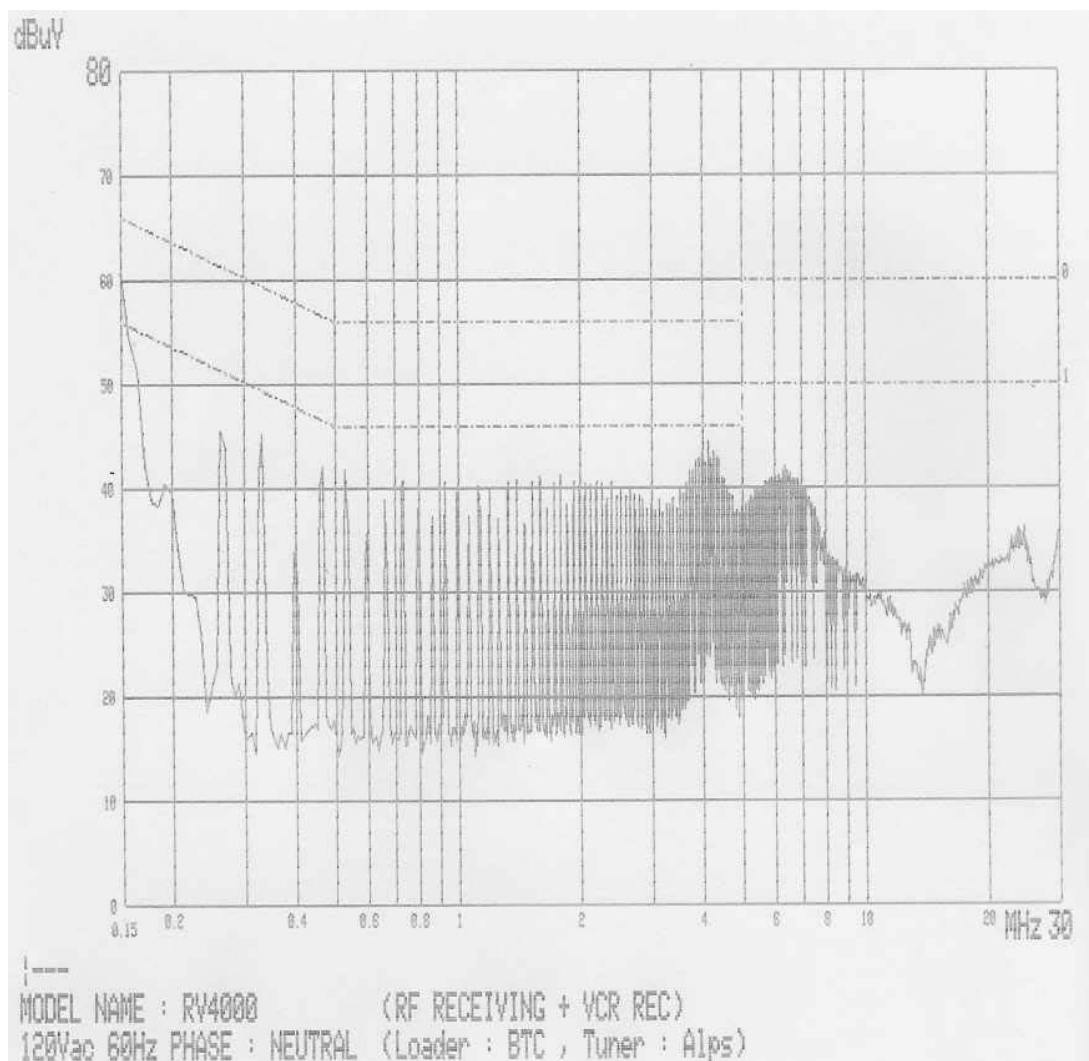
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

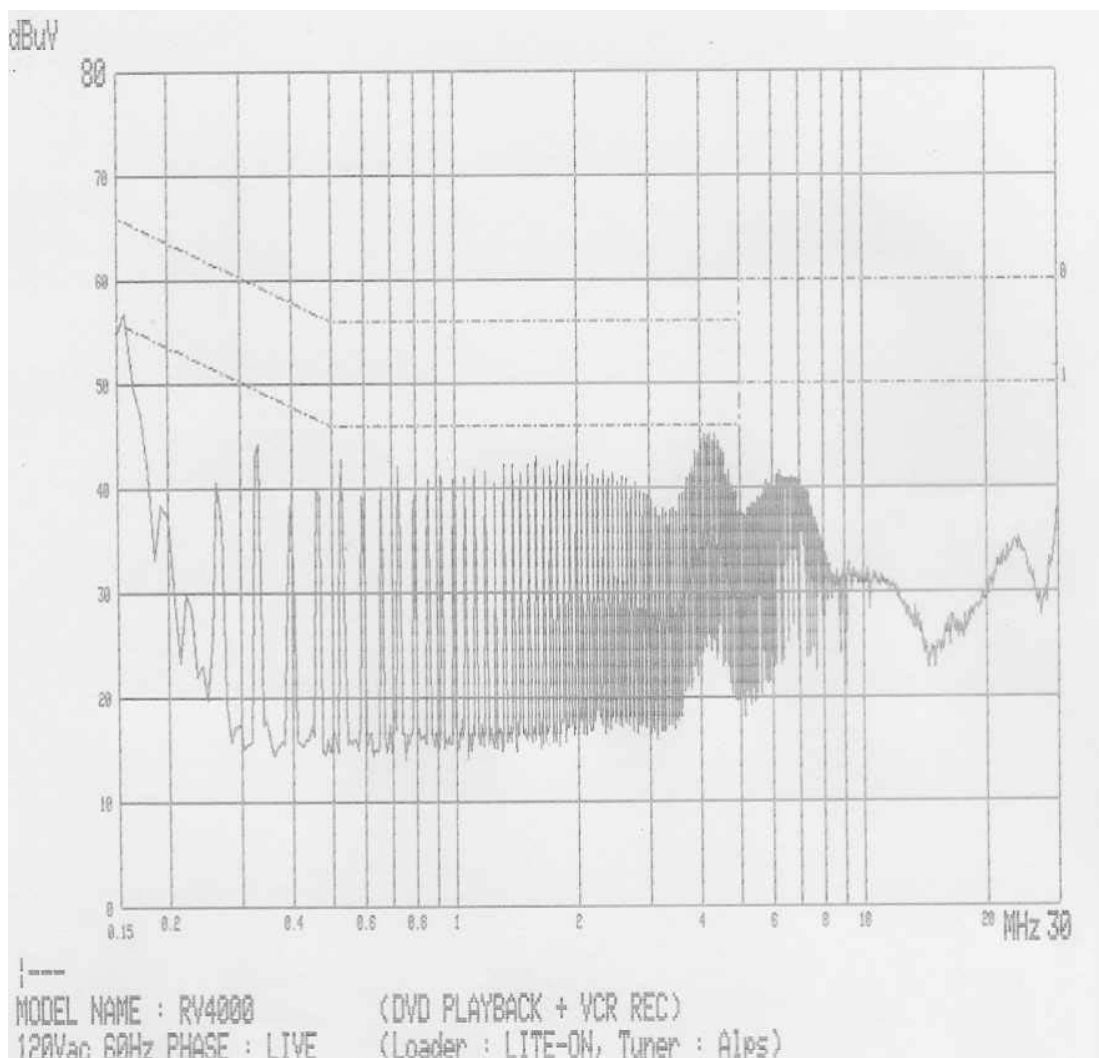
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

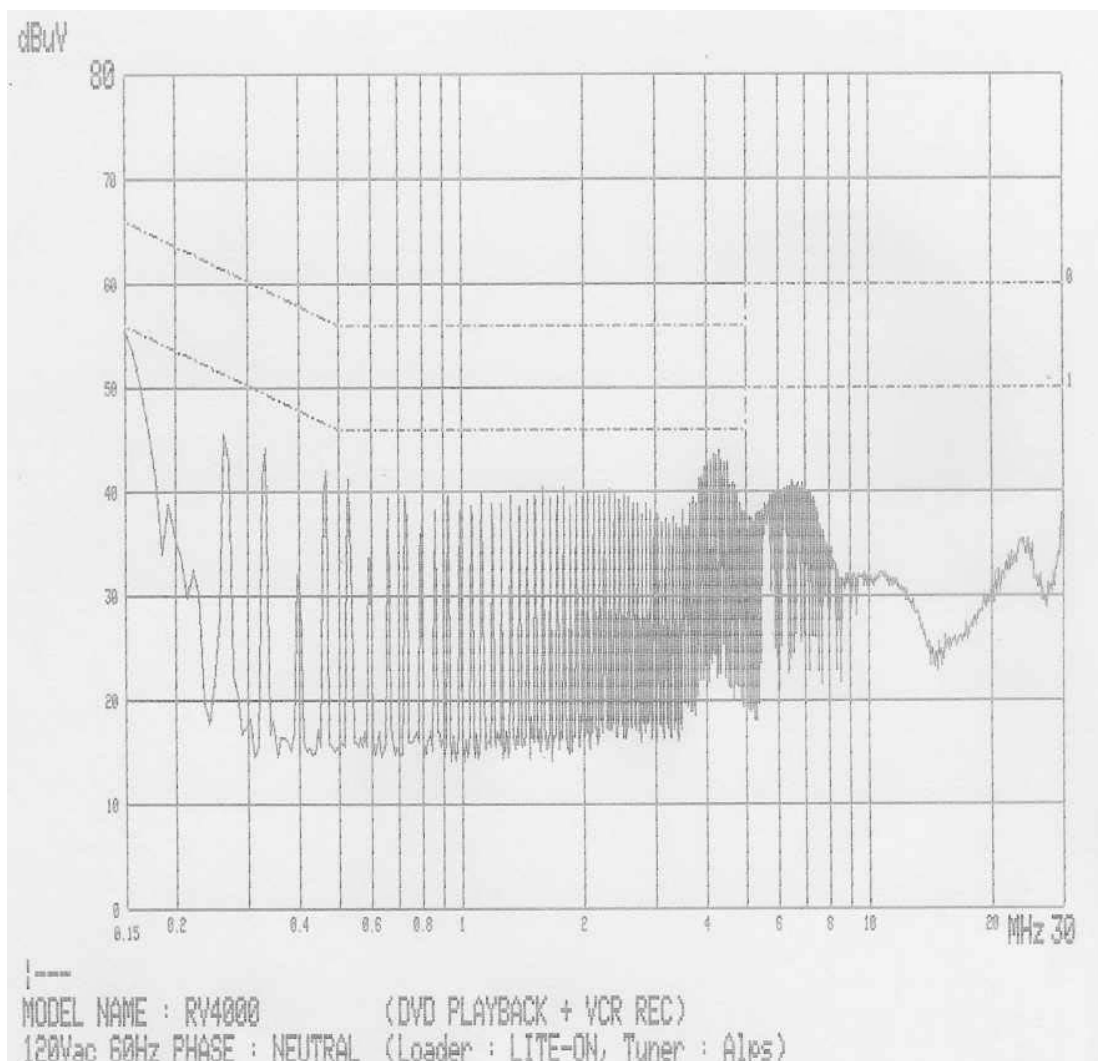
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

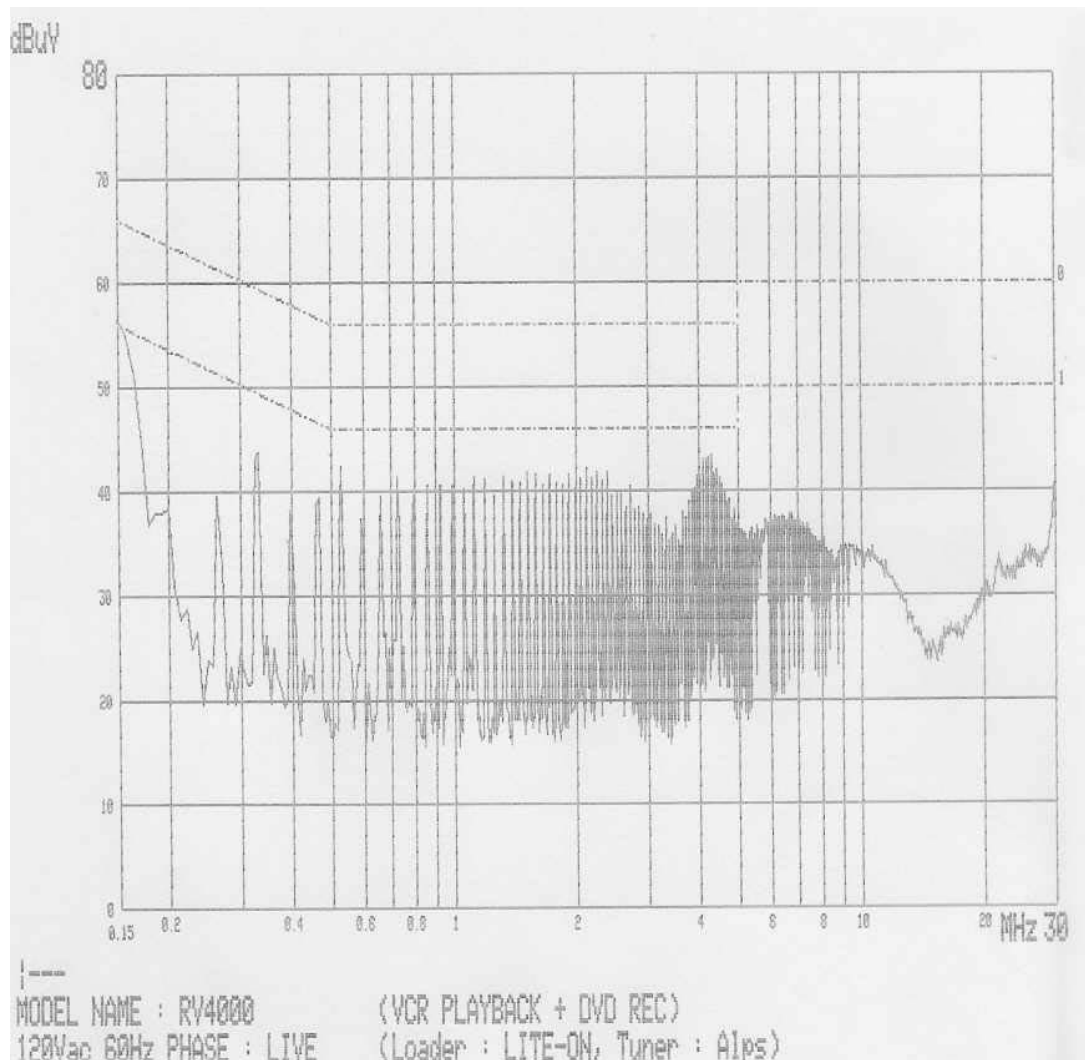
Loader : DDW-451S(LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

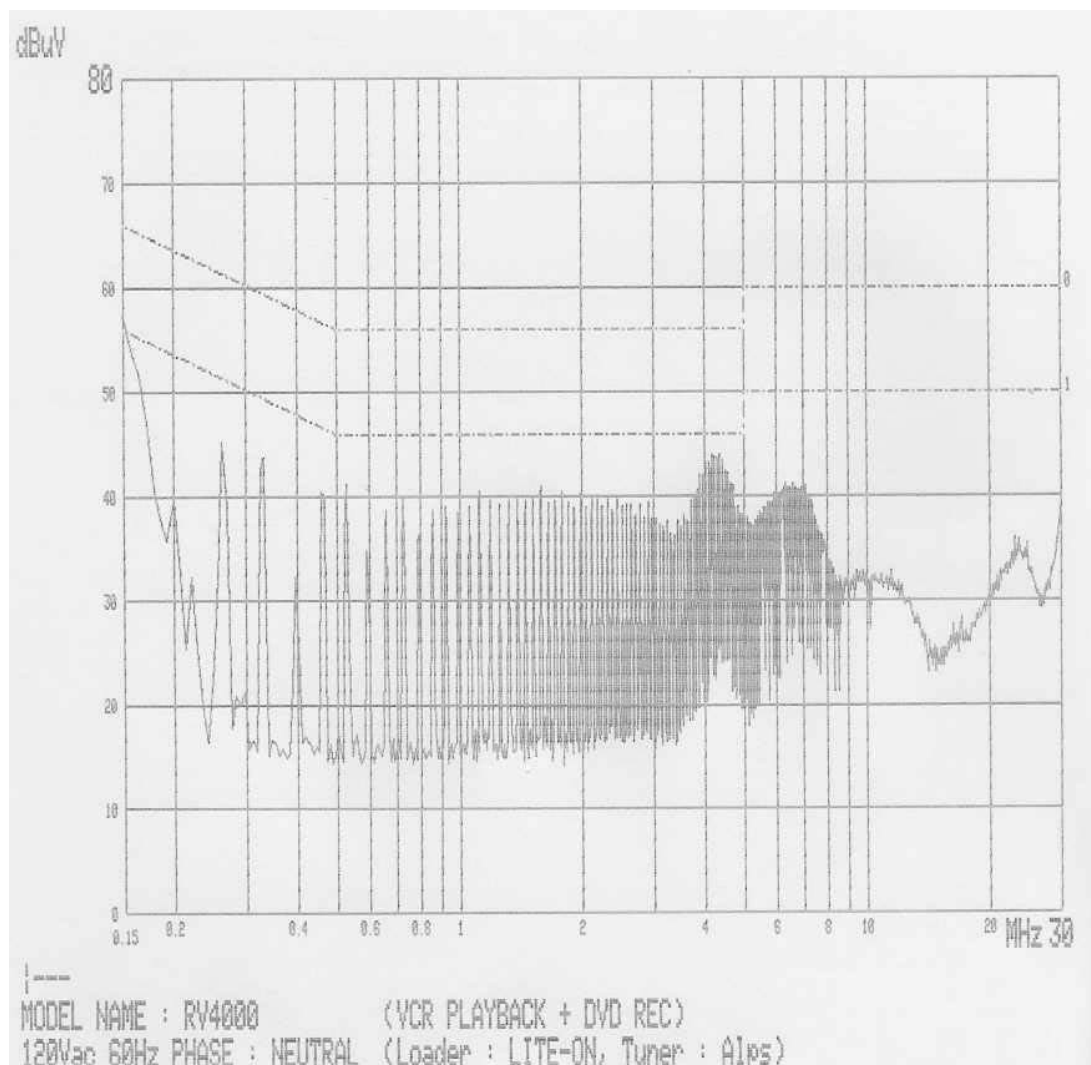
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

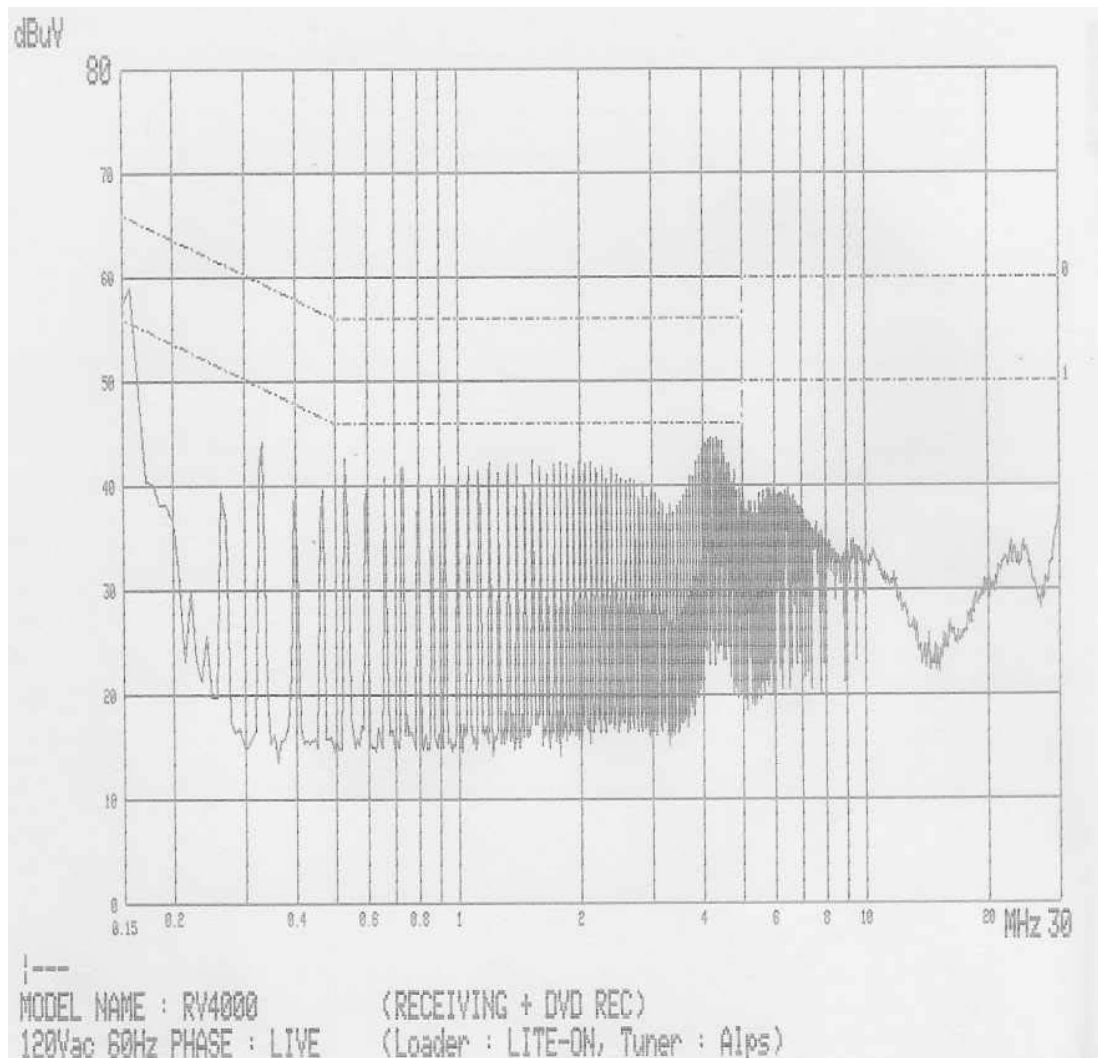
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

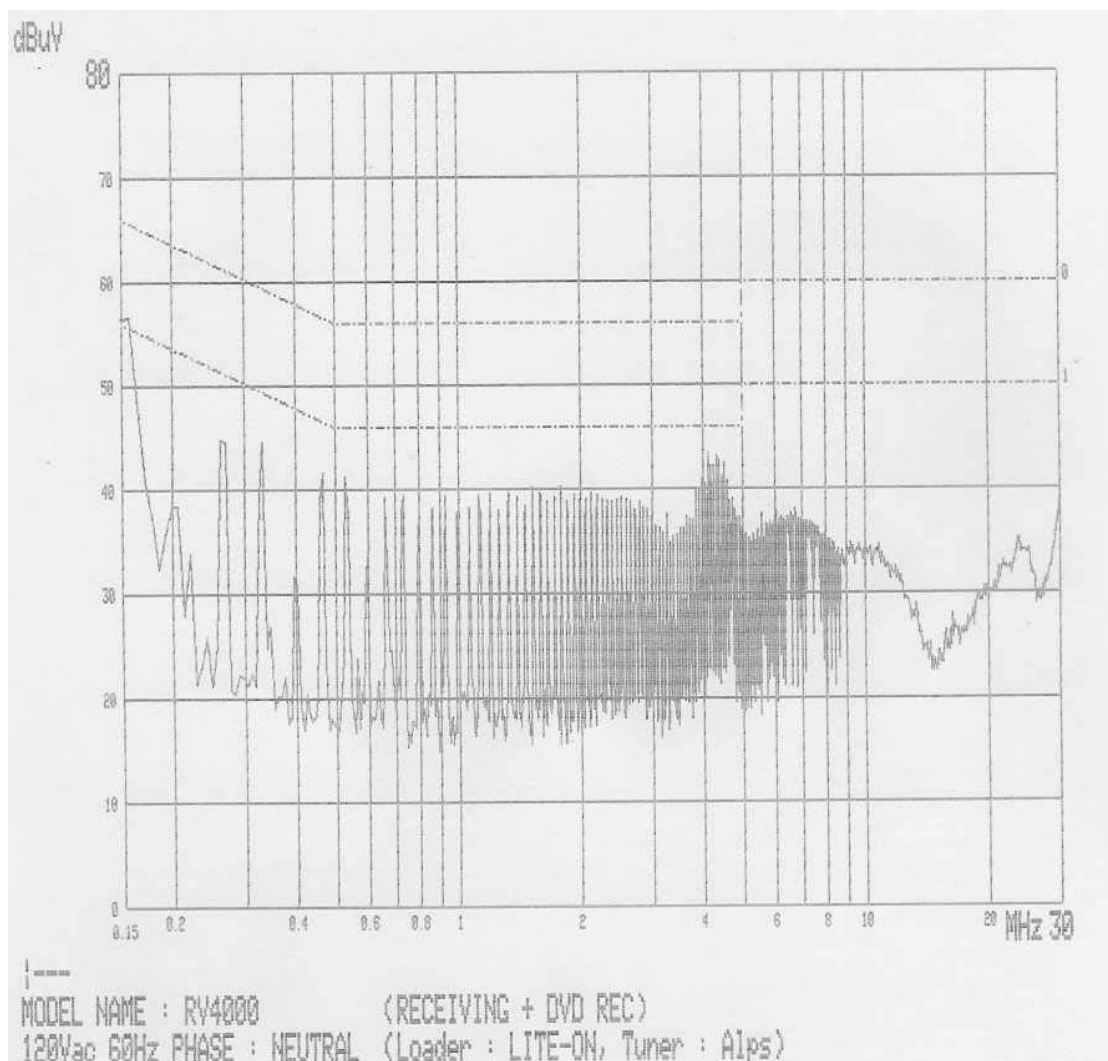
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

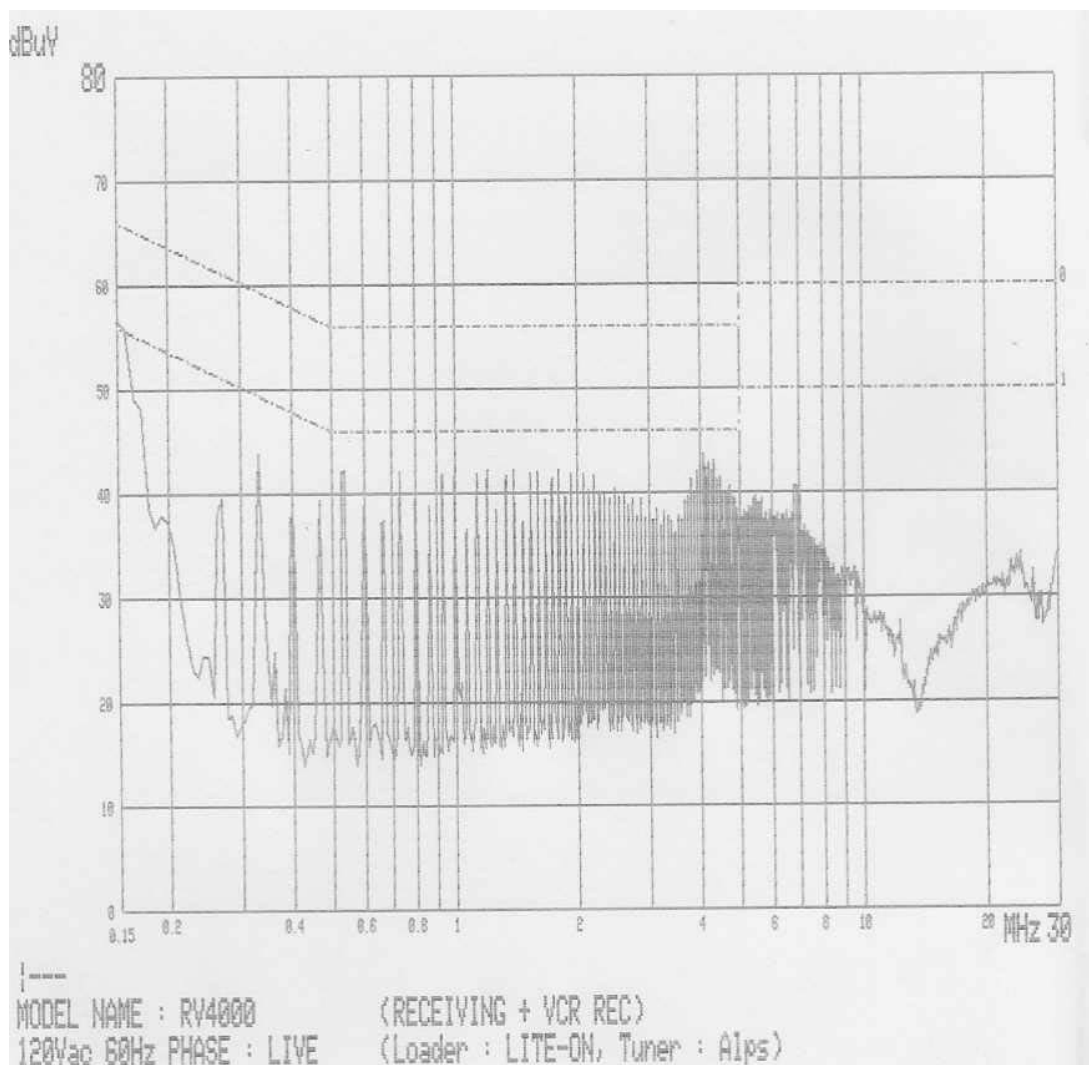
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

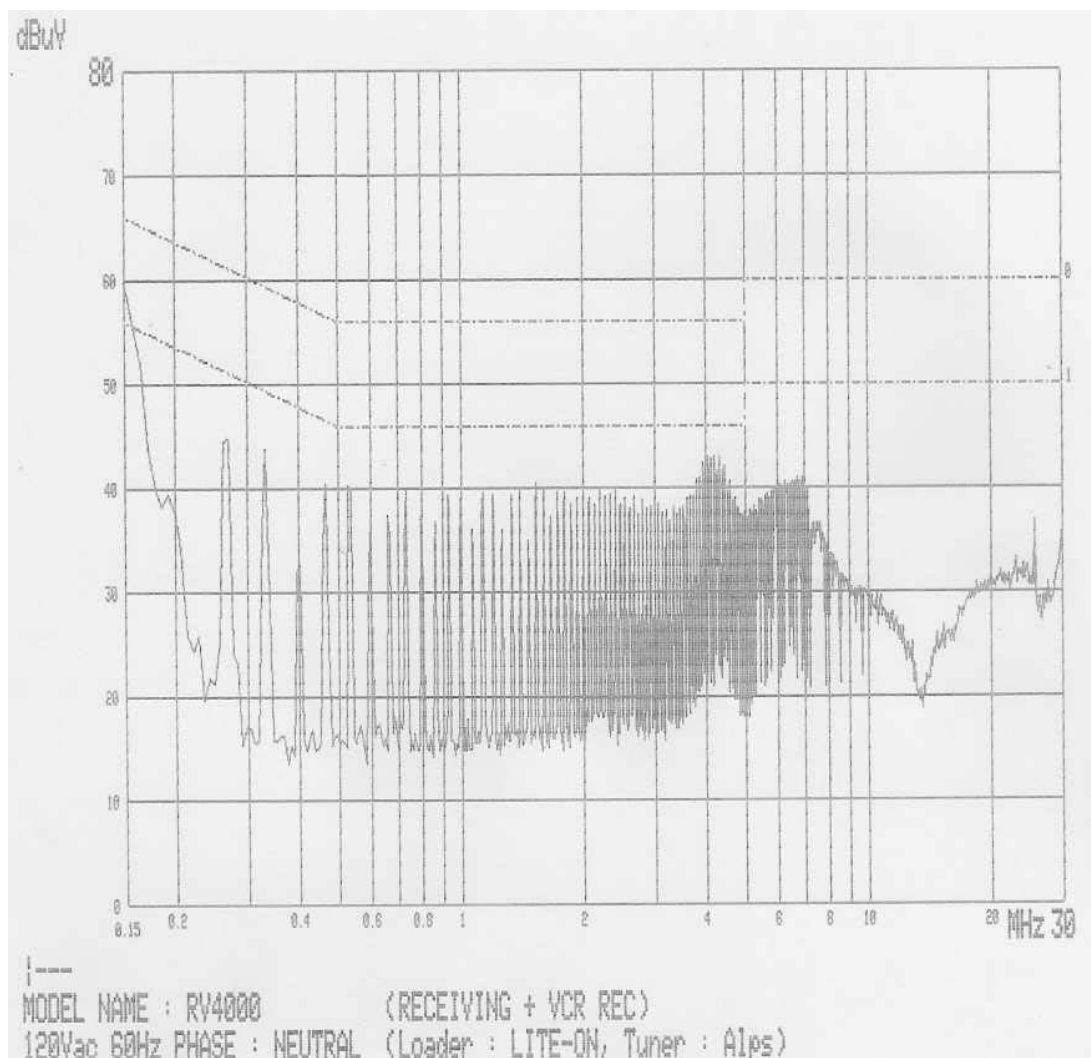
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

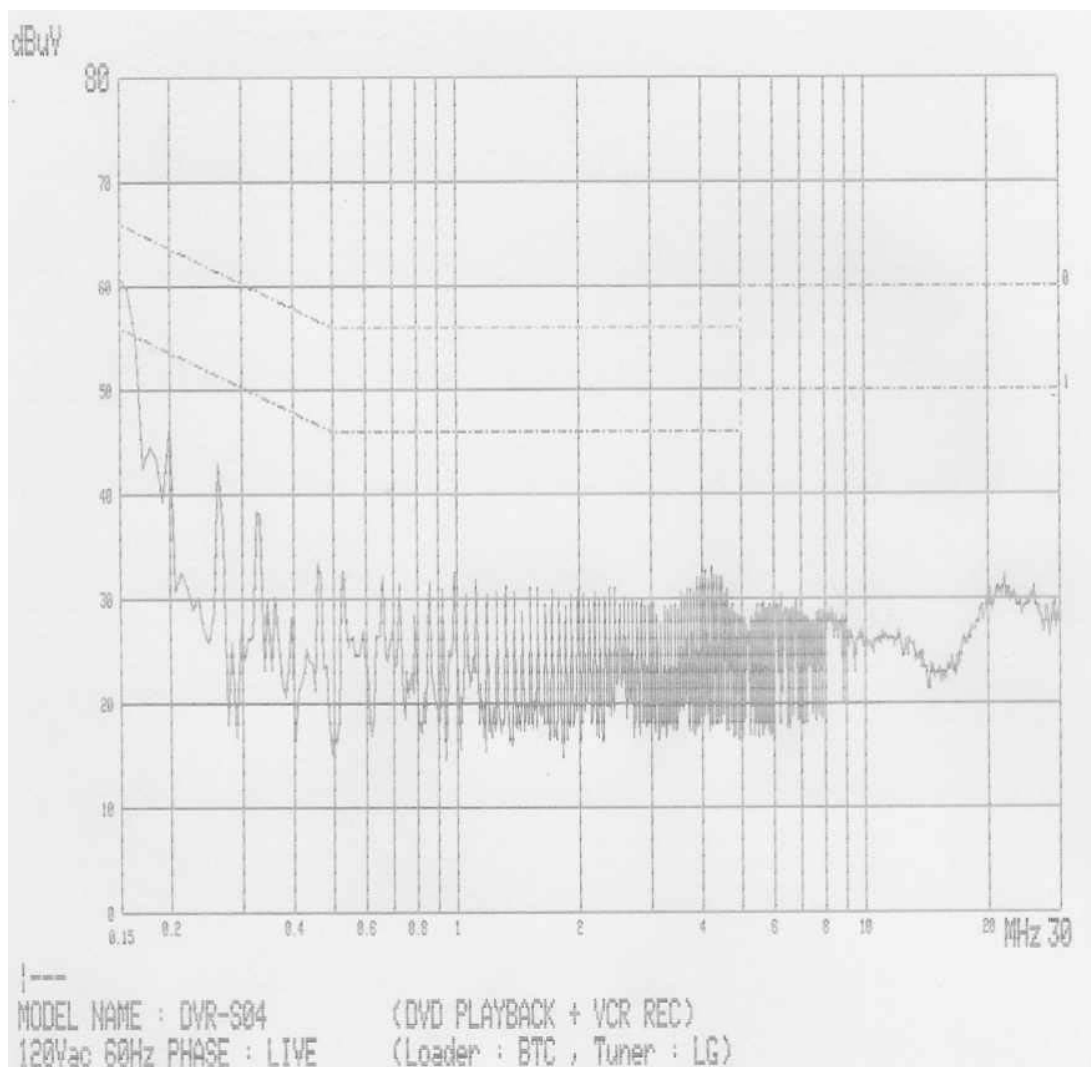
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

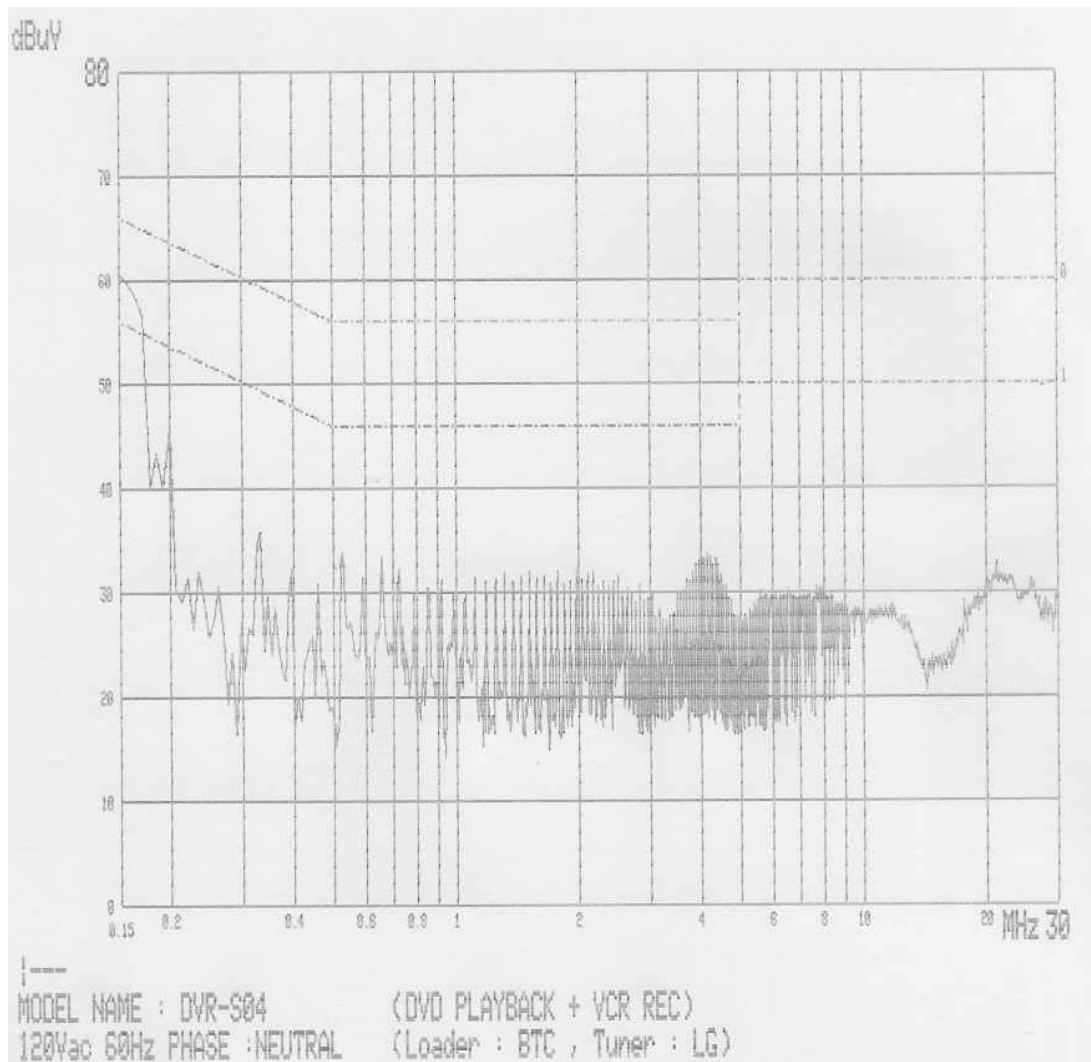
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

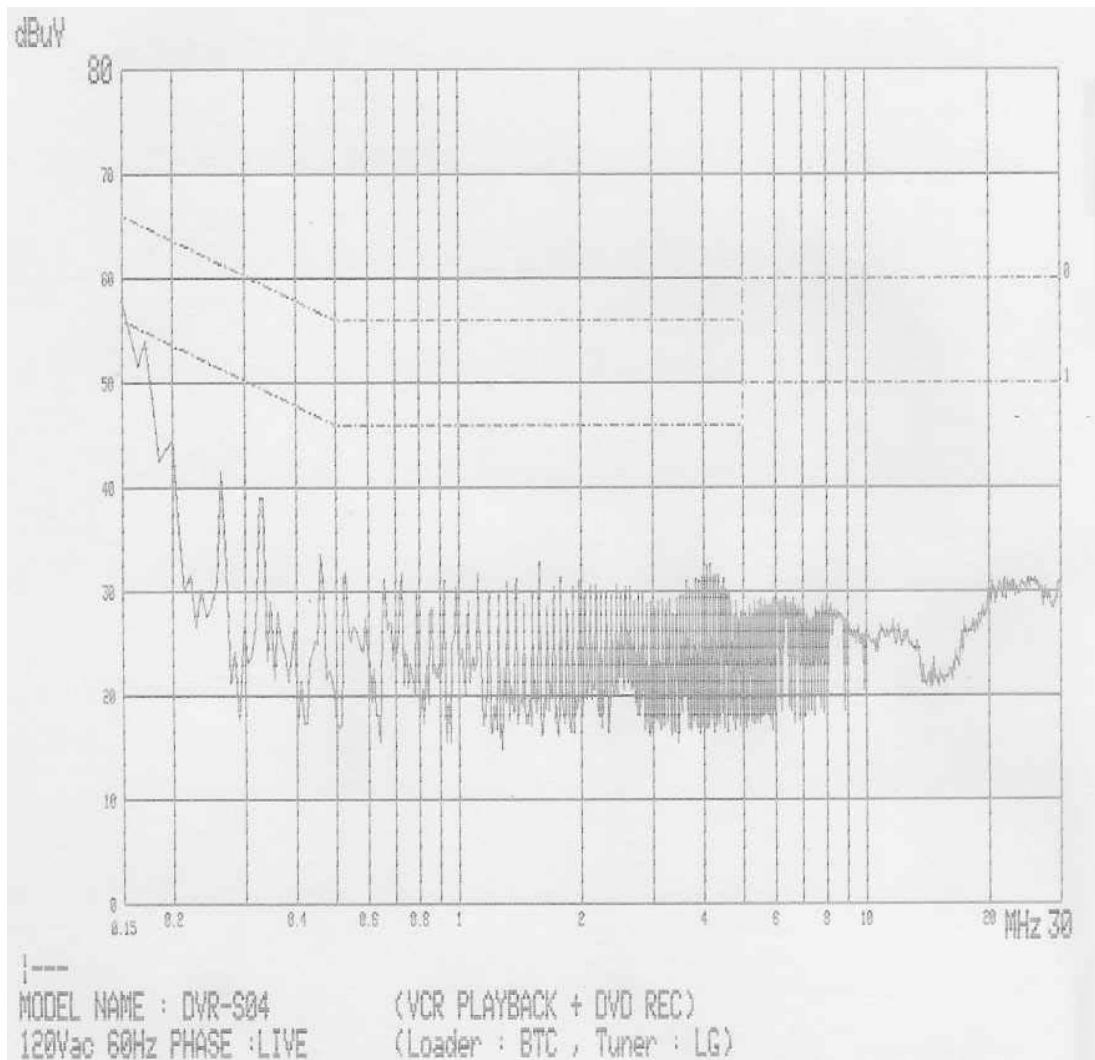
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

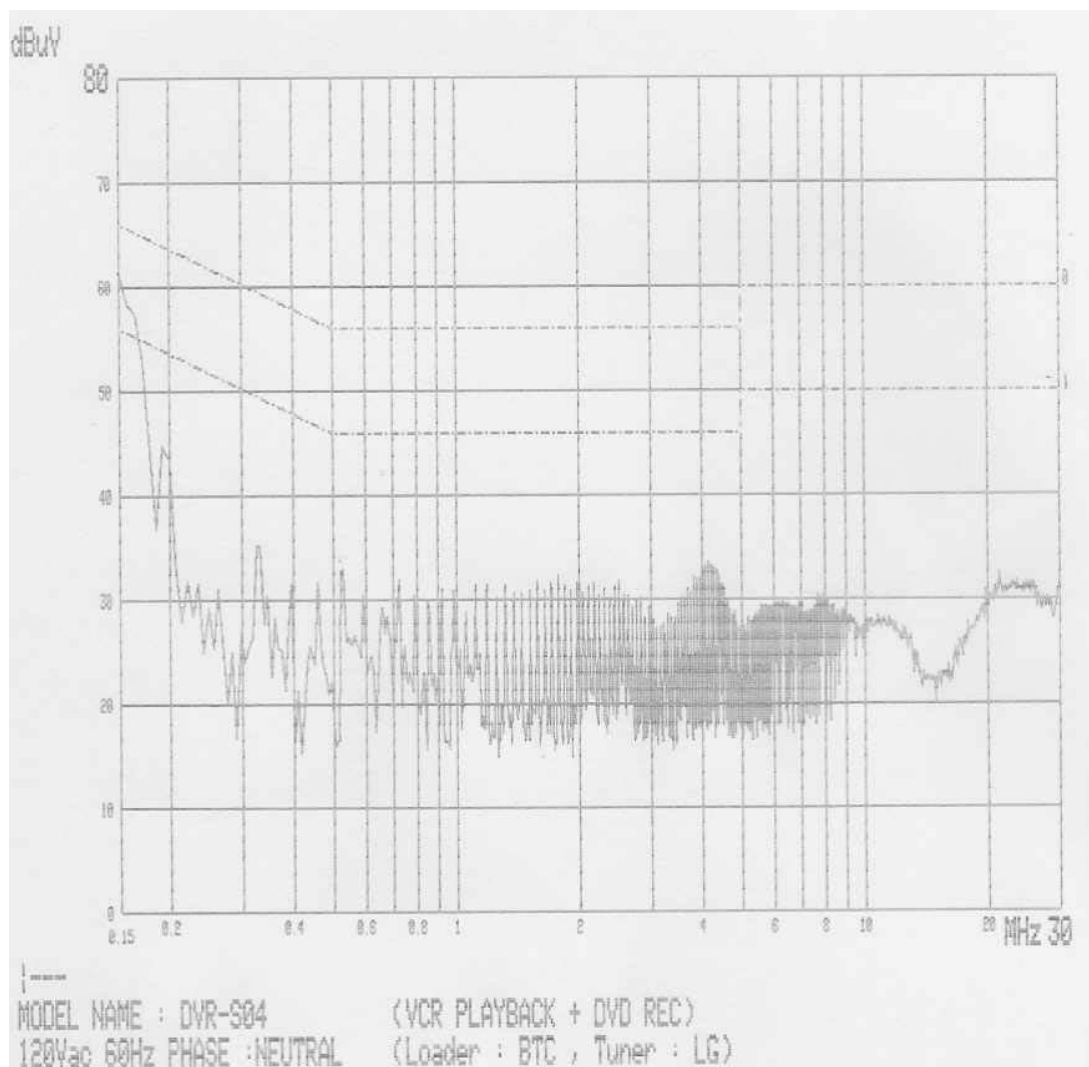
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

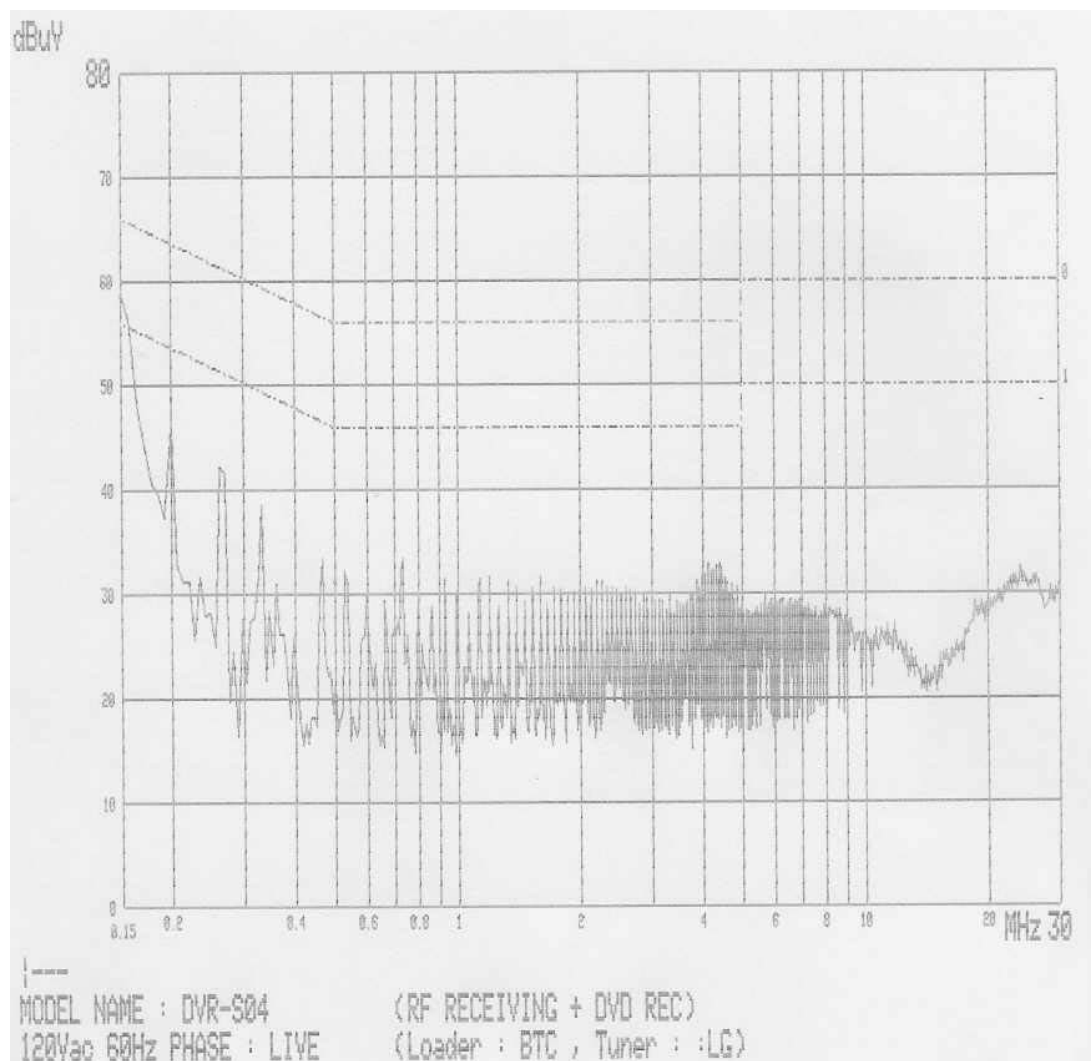
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

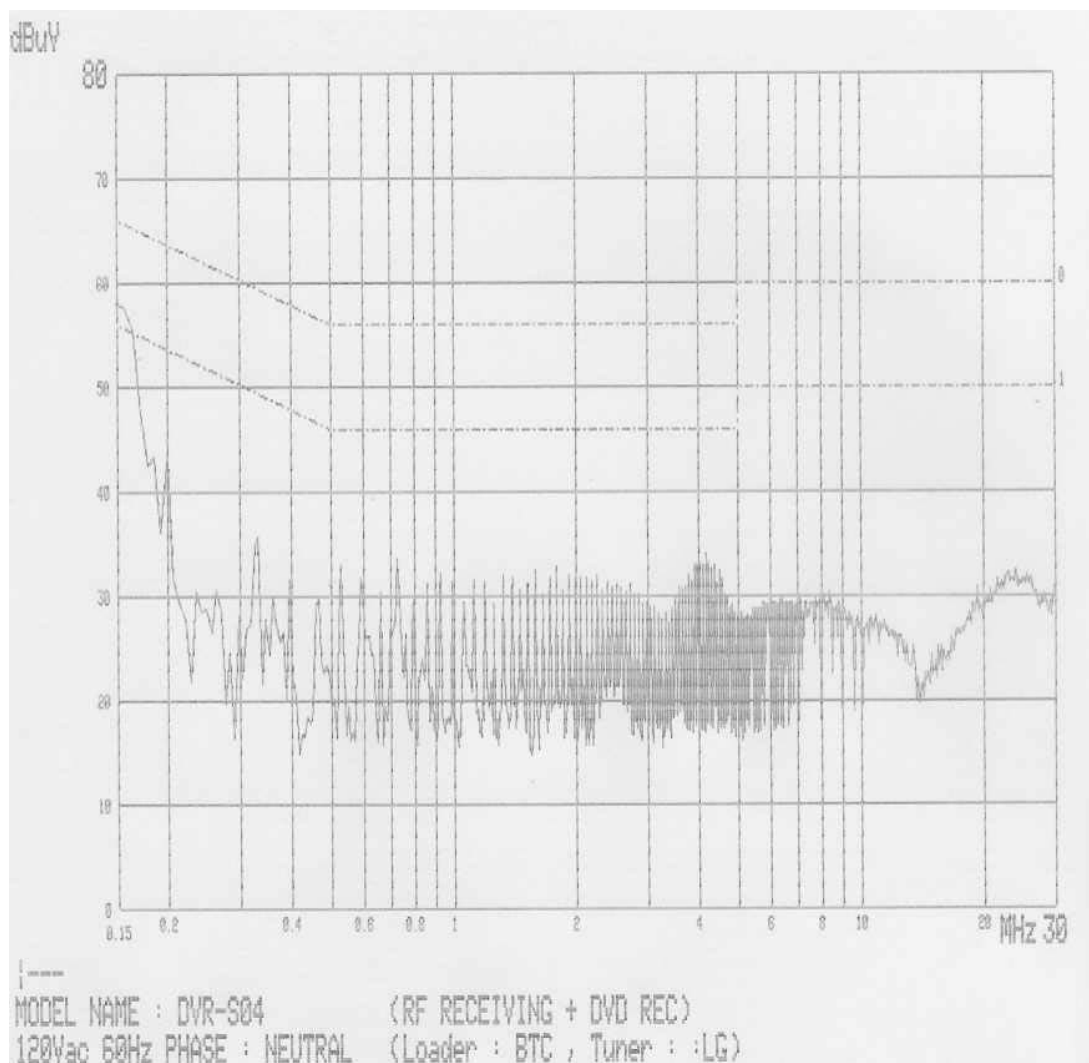
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

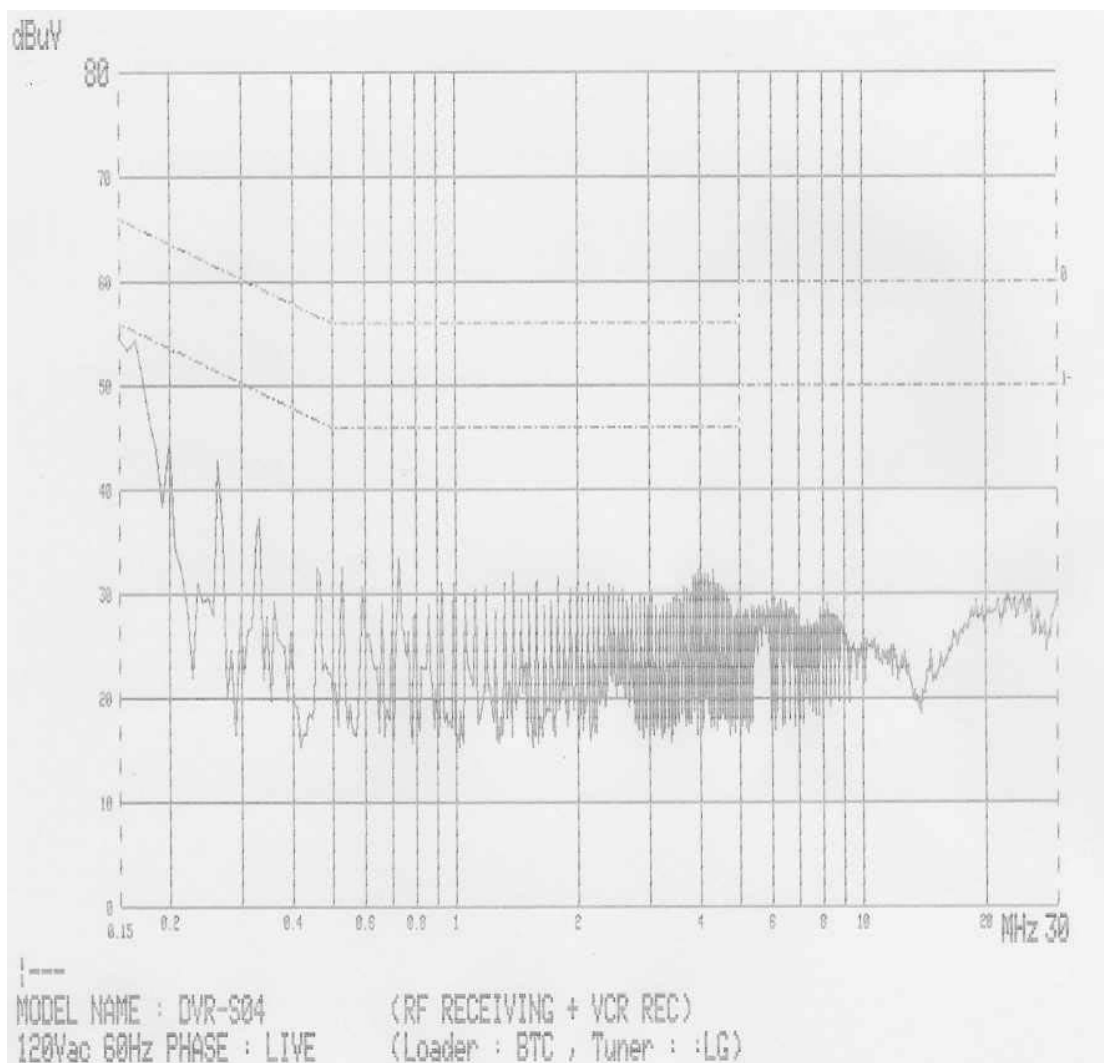
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

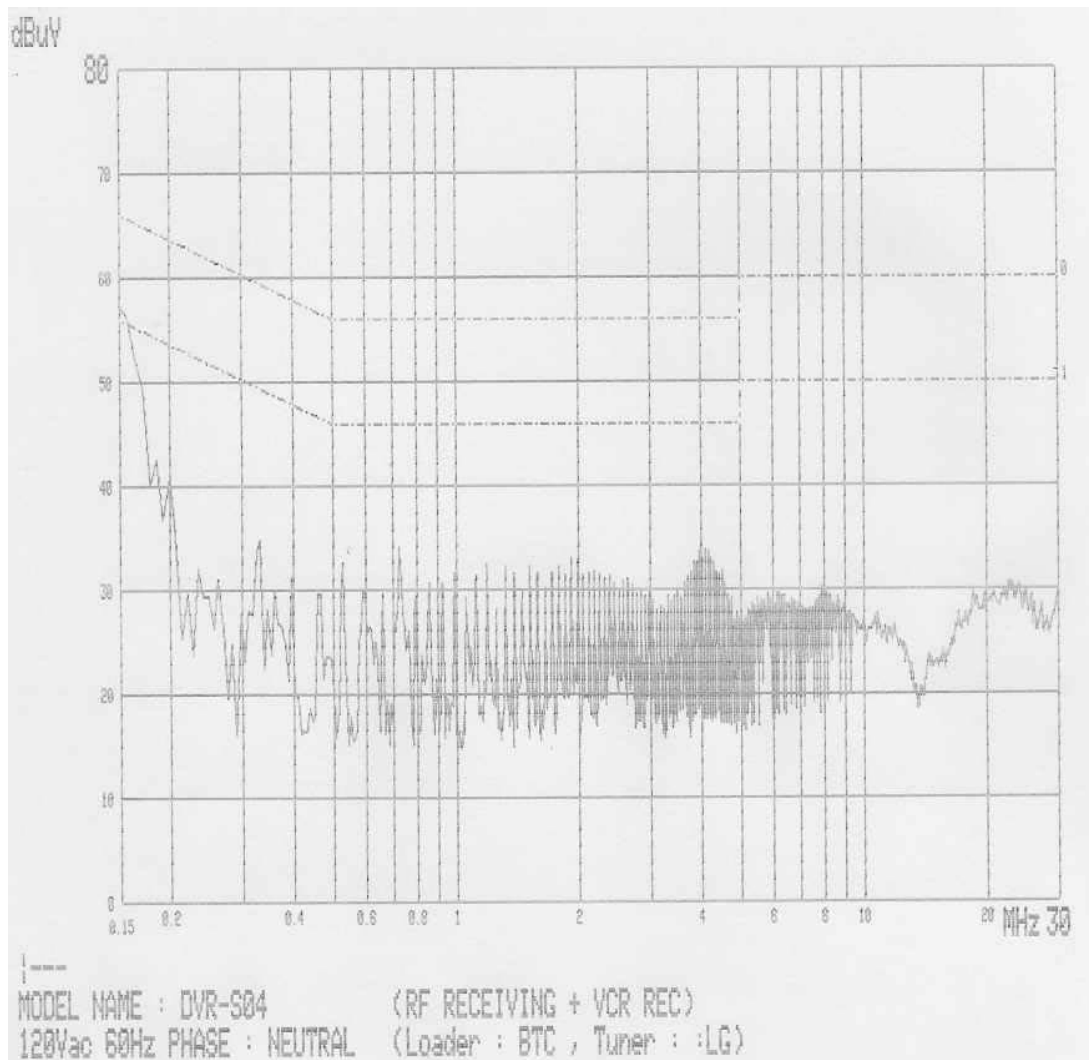
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

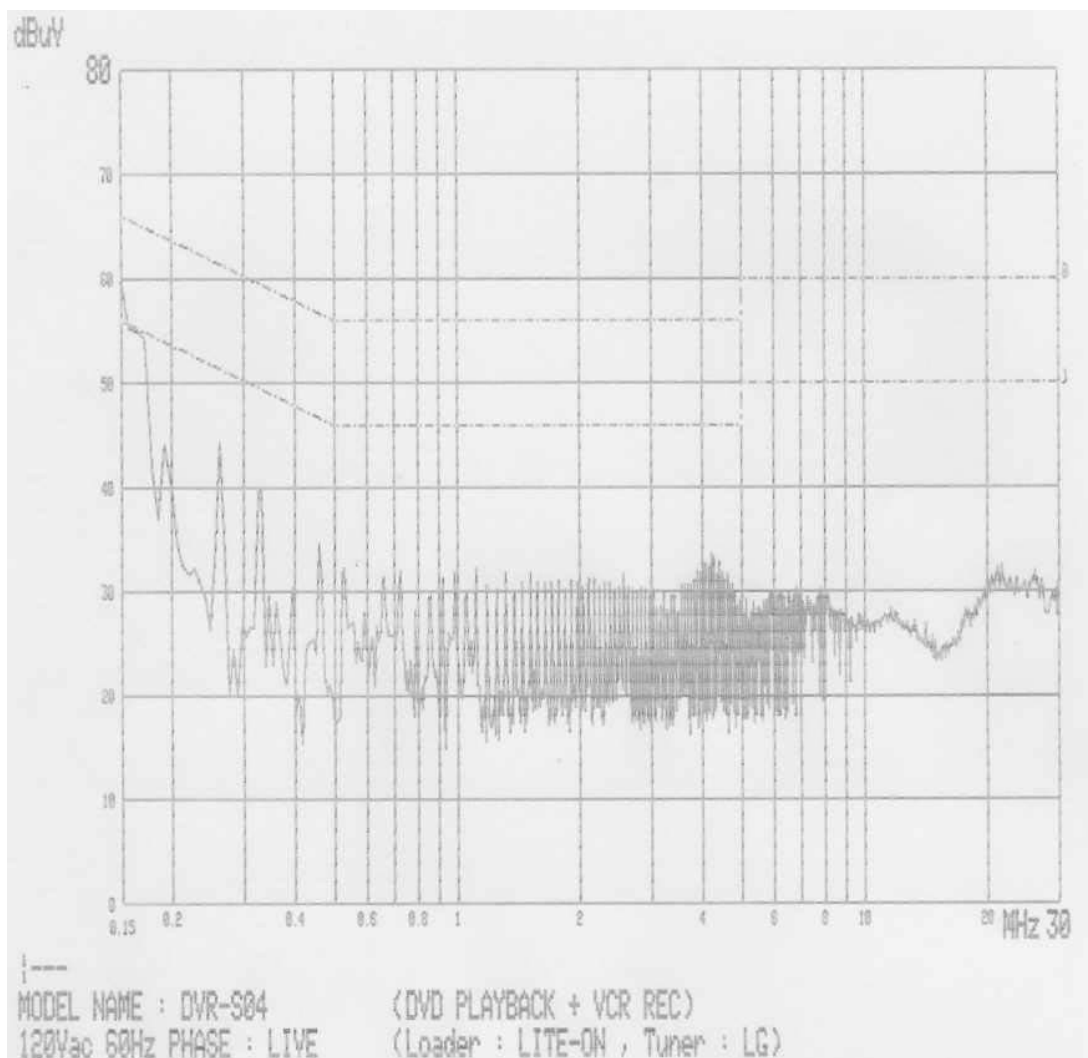
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

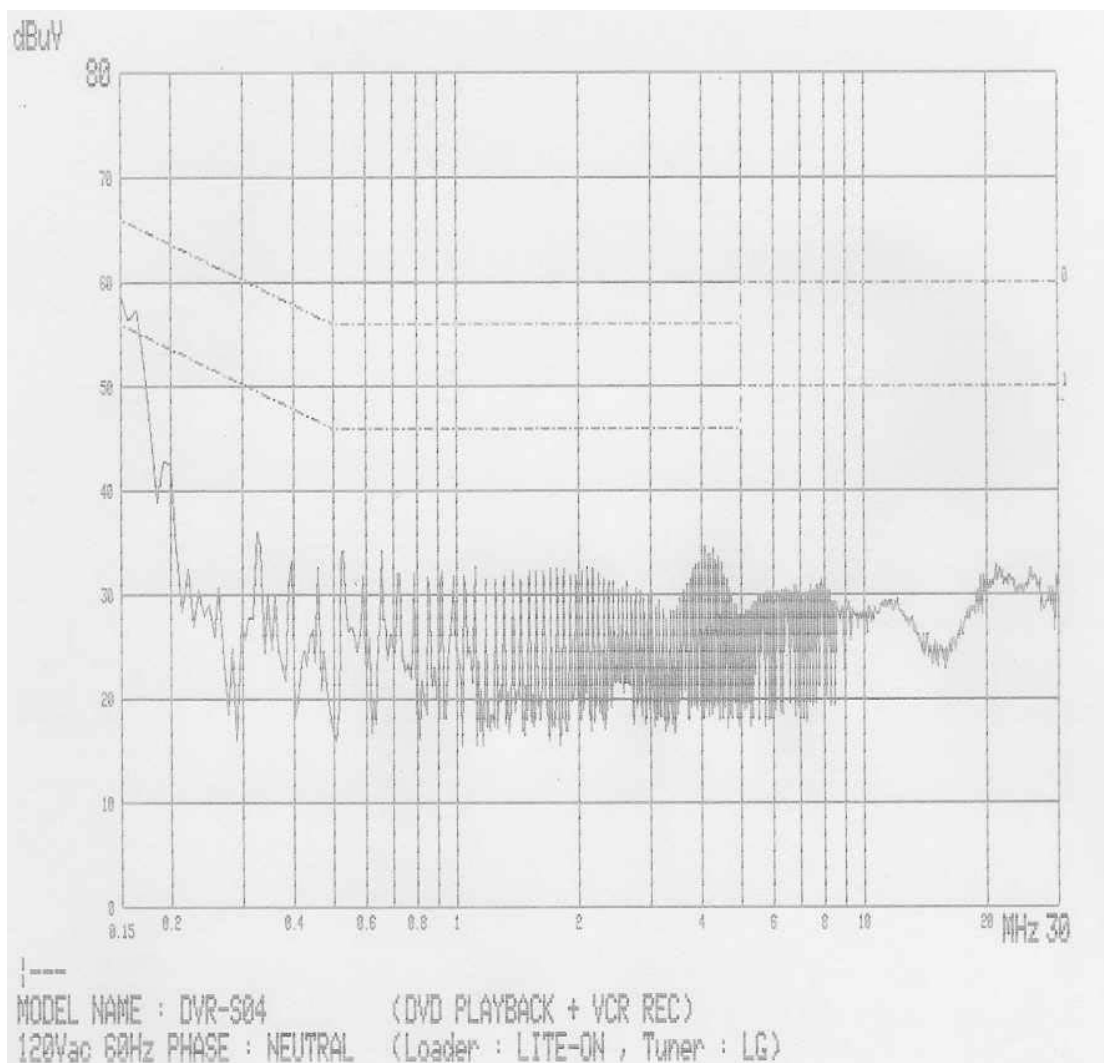
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

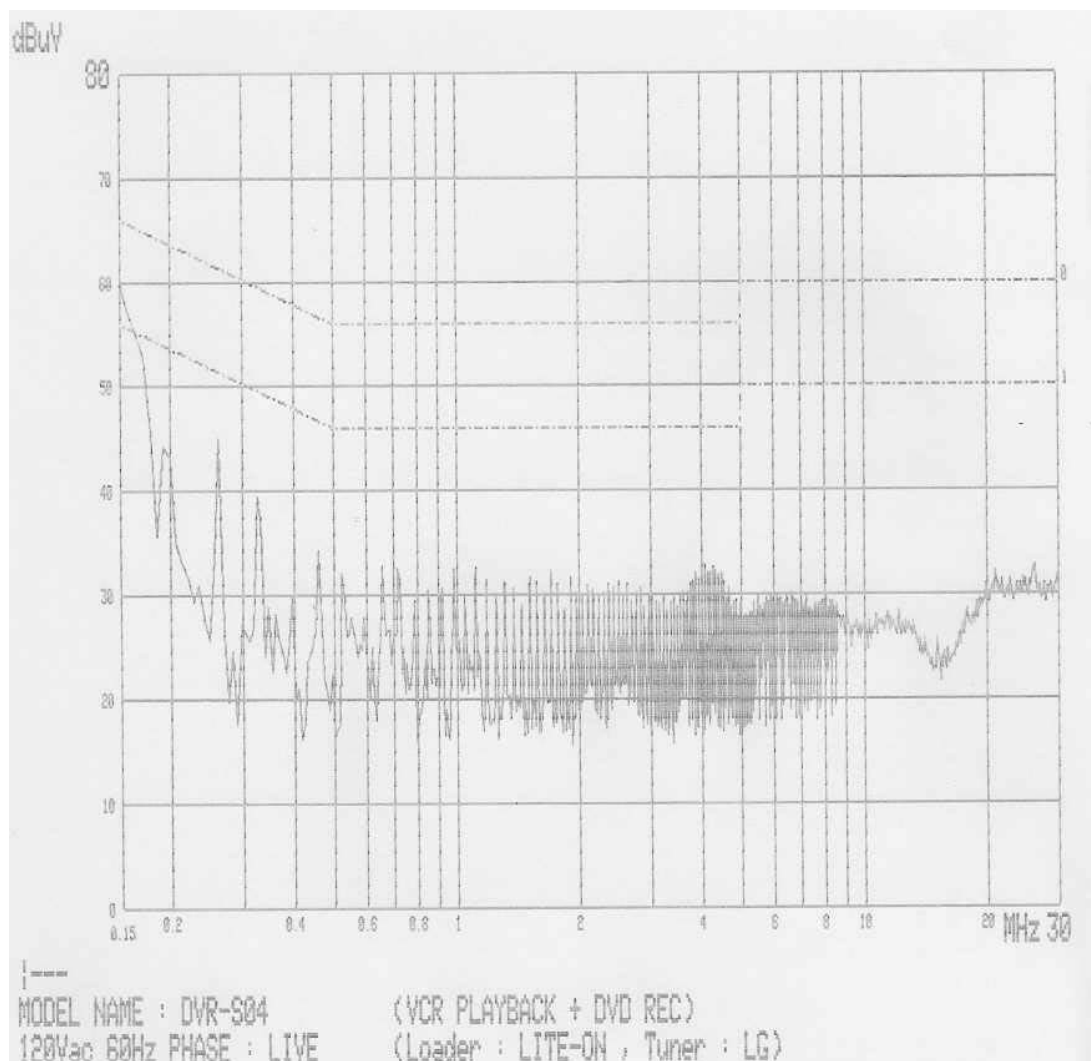
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

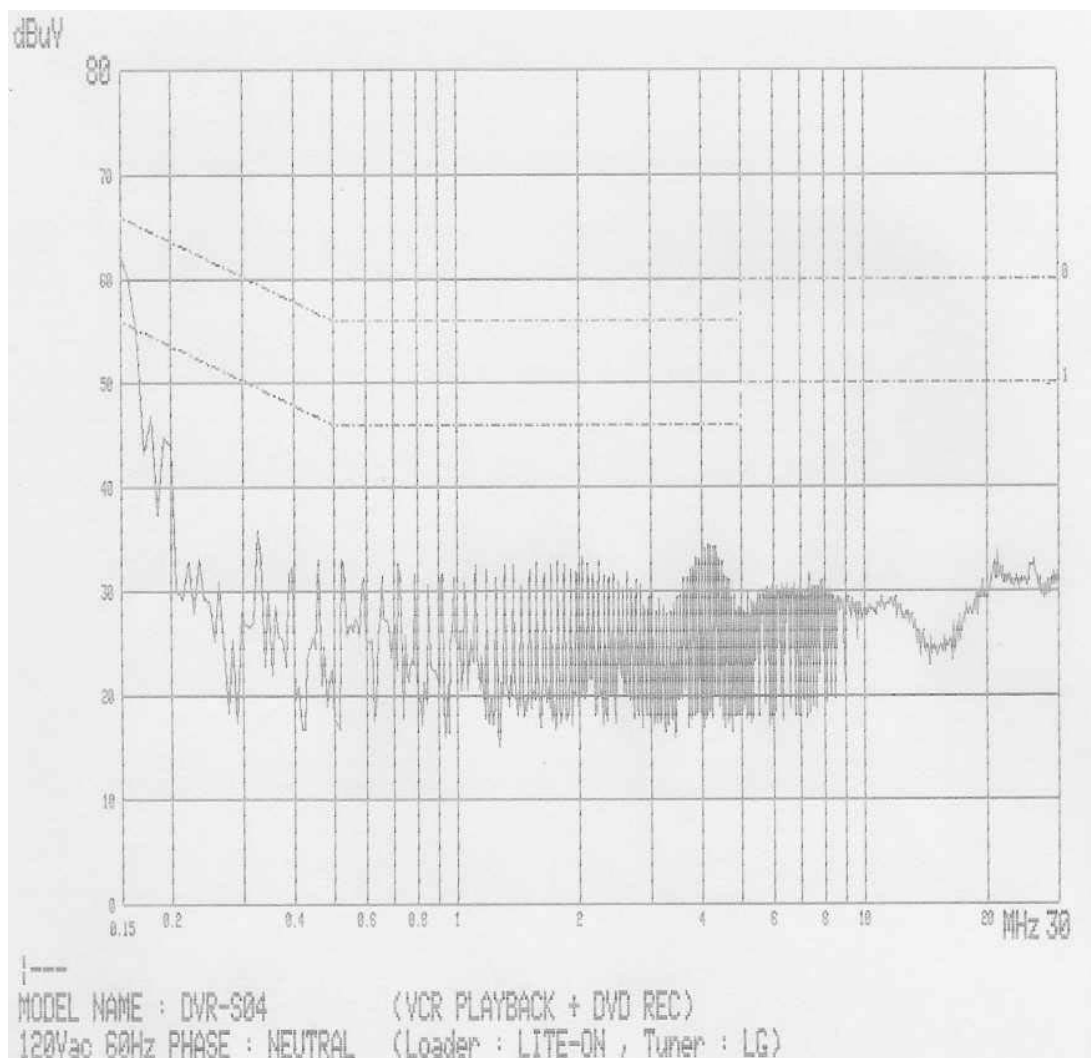
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

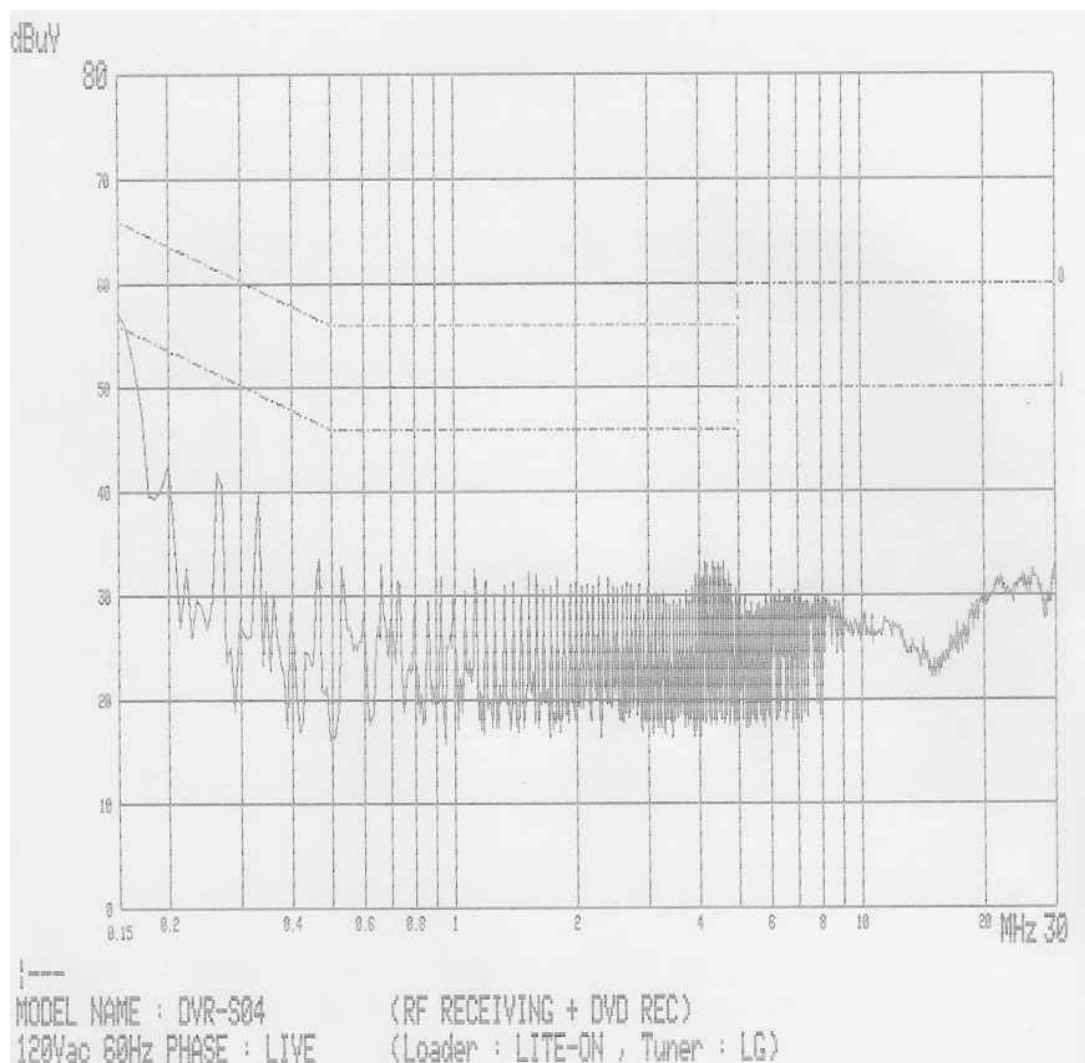
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

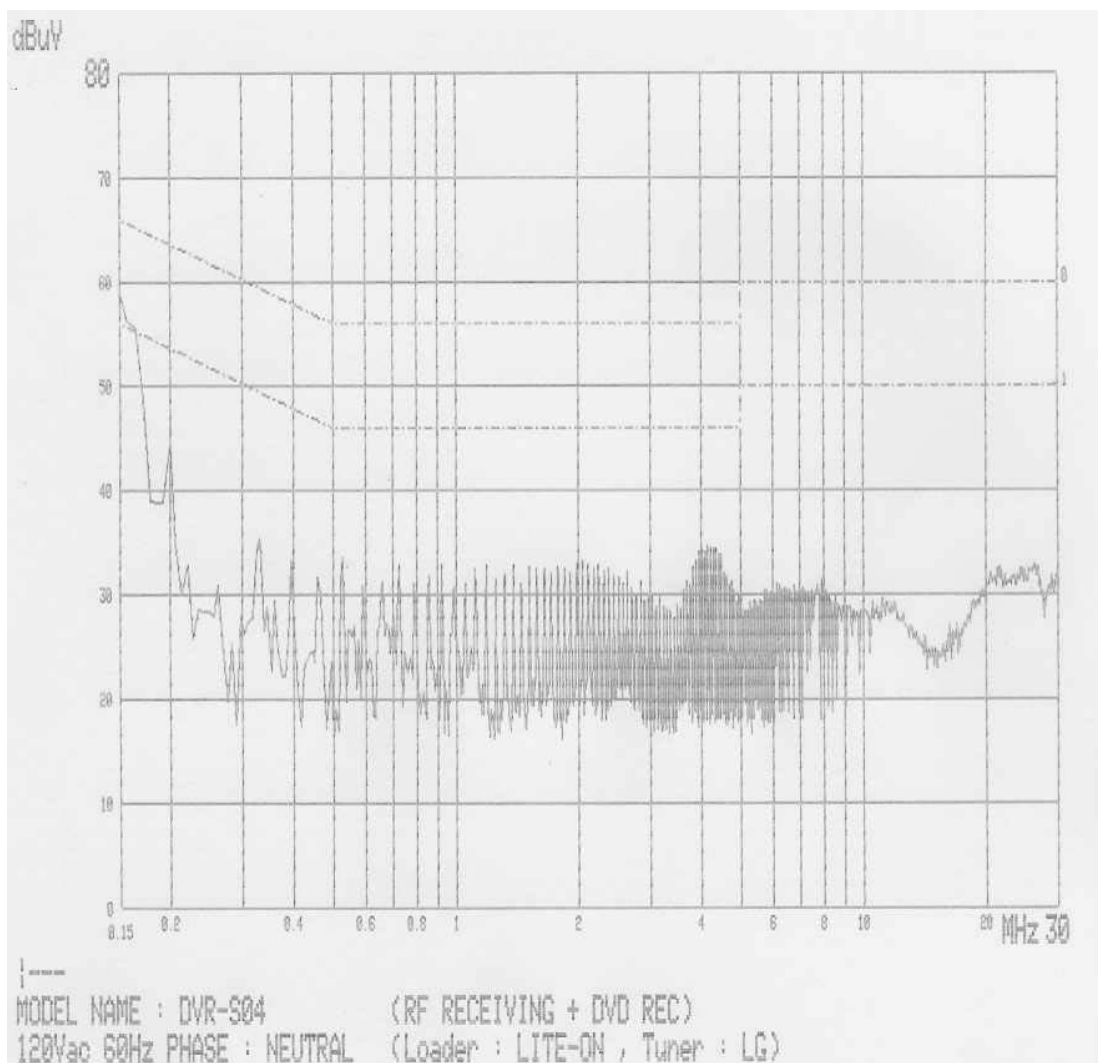
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

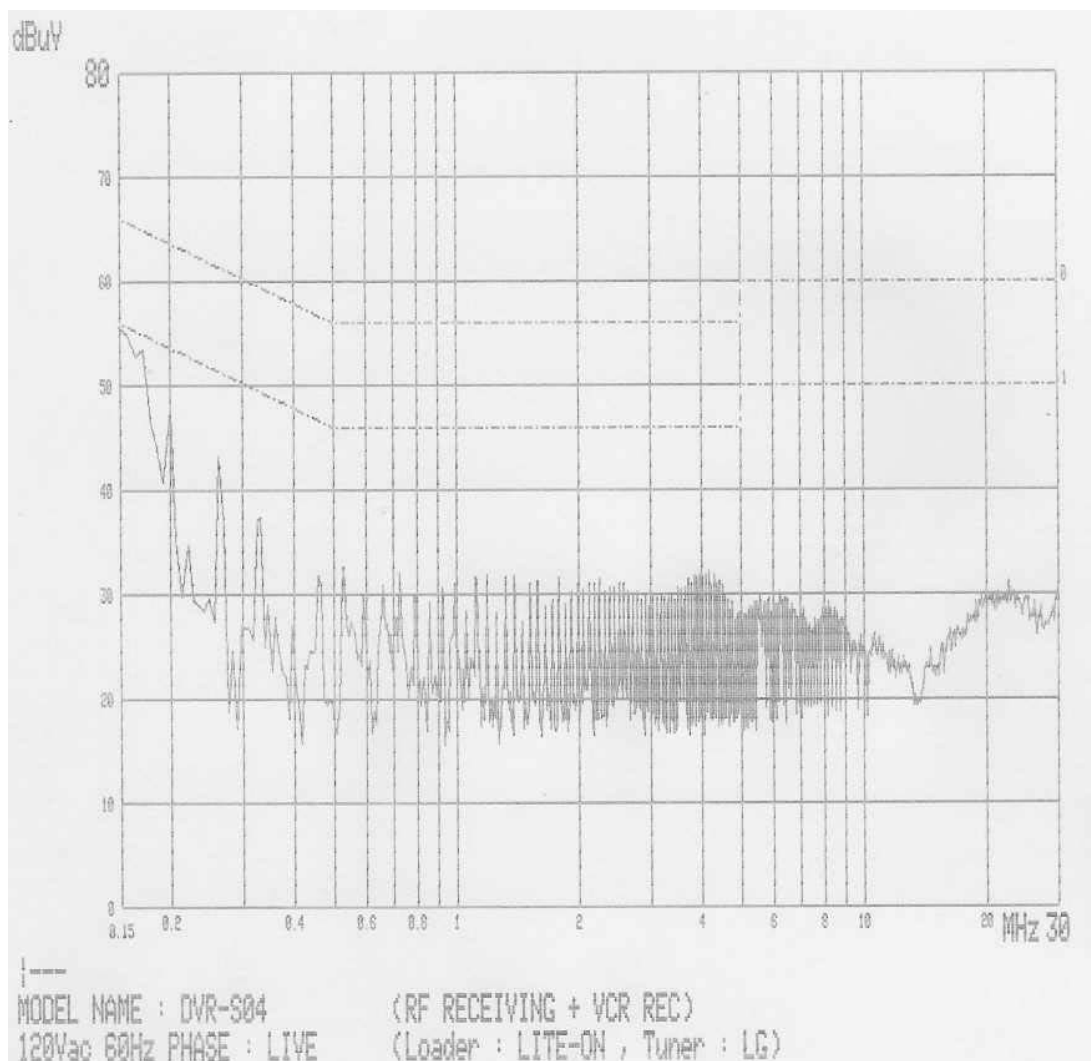
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

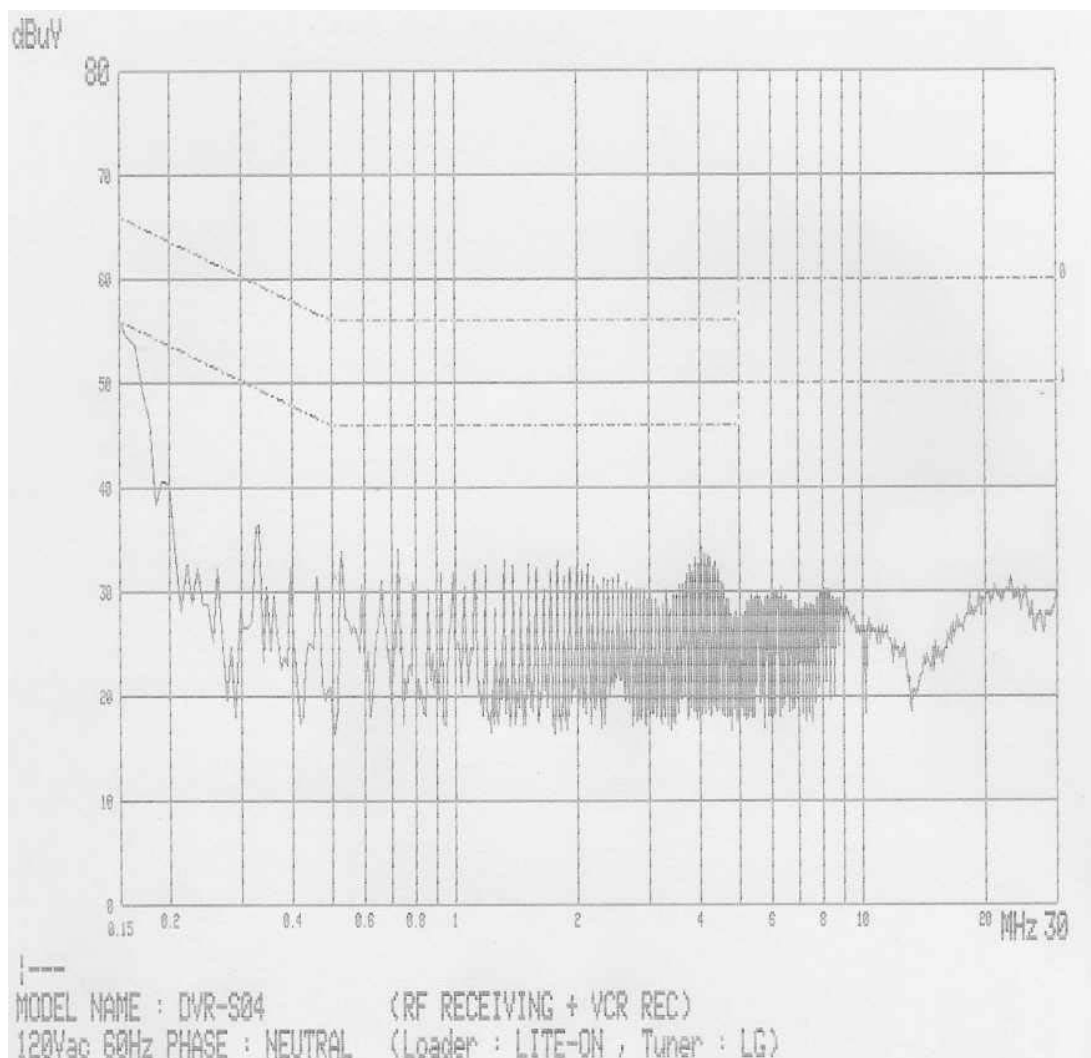
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

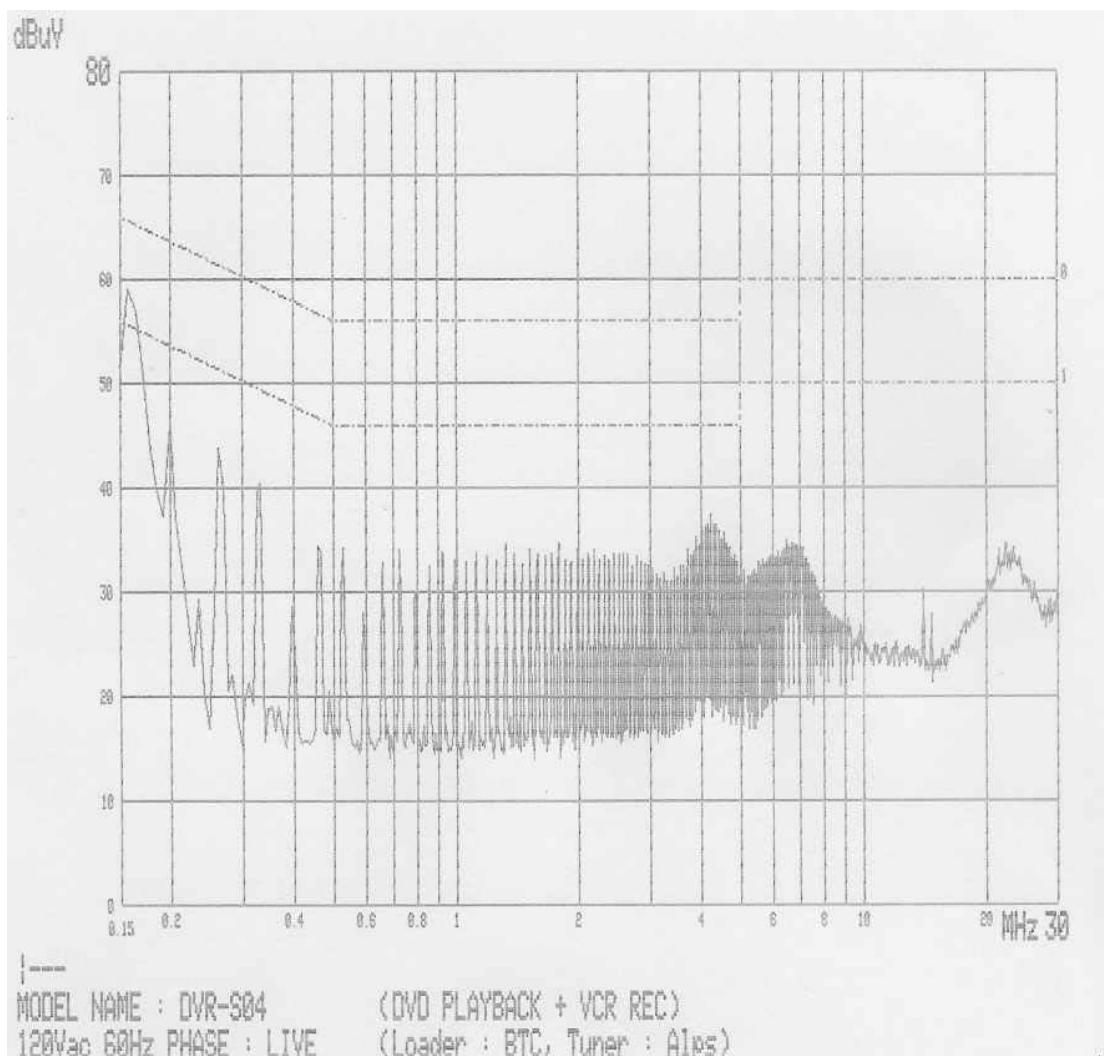
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

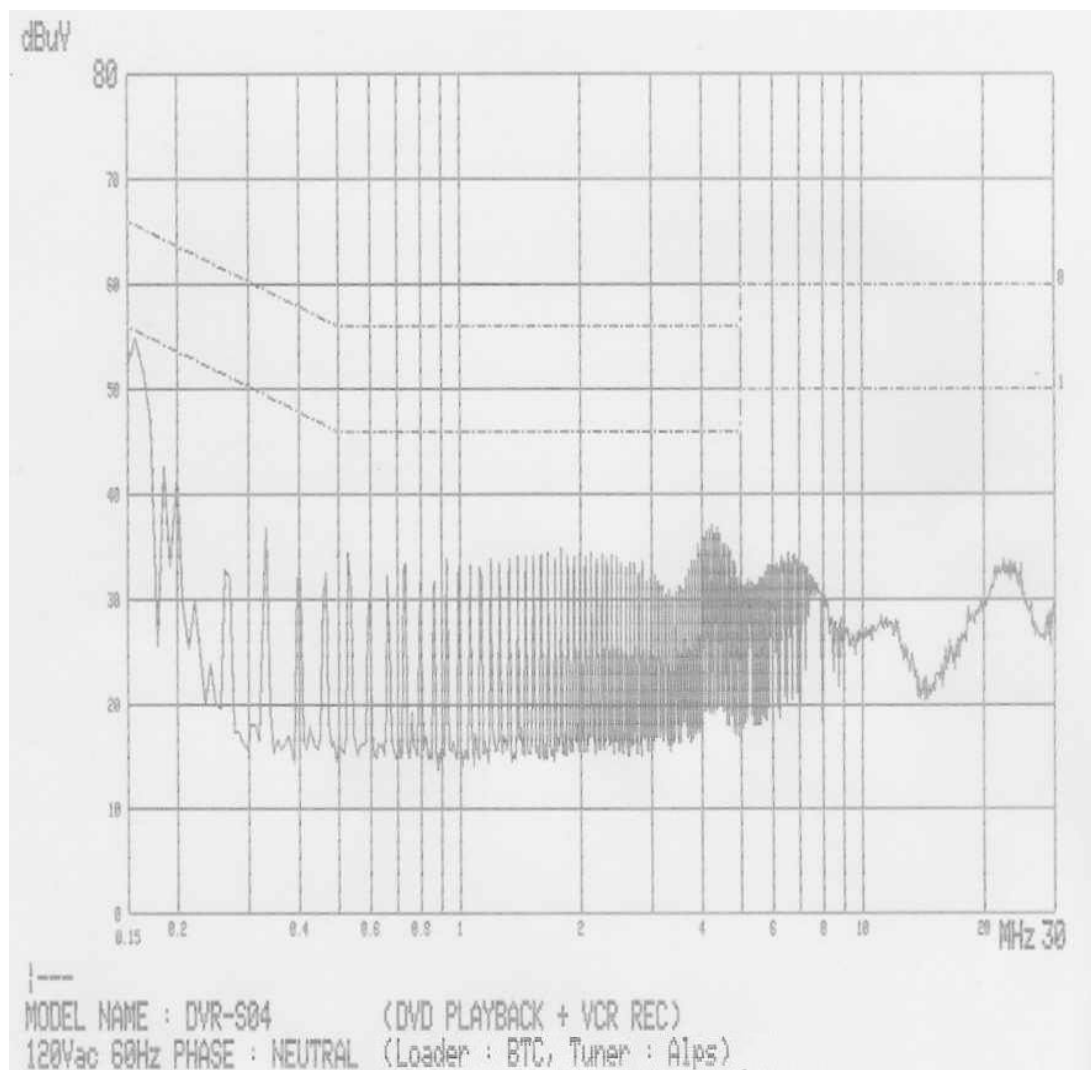
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

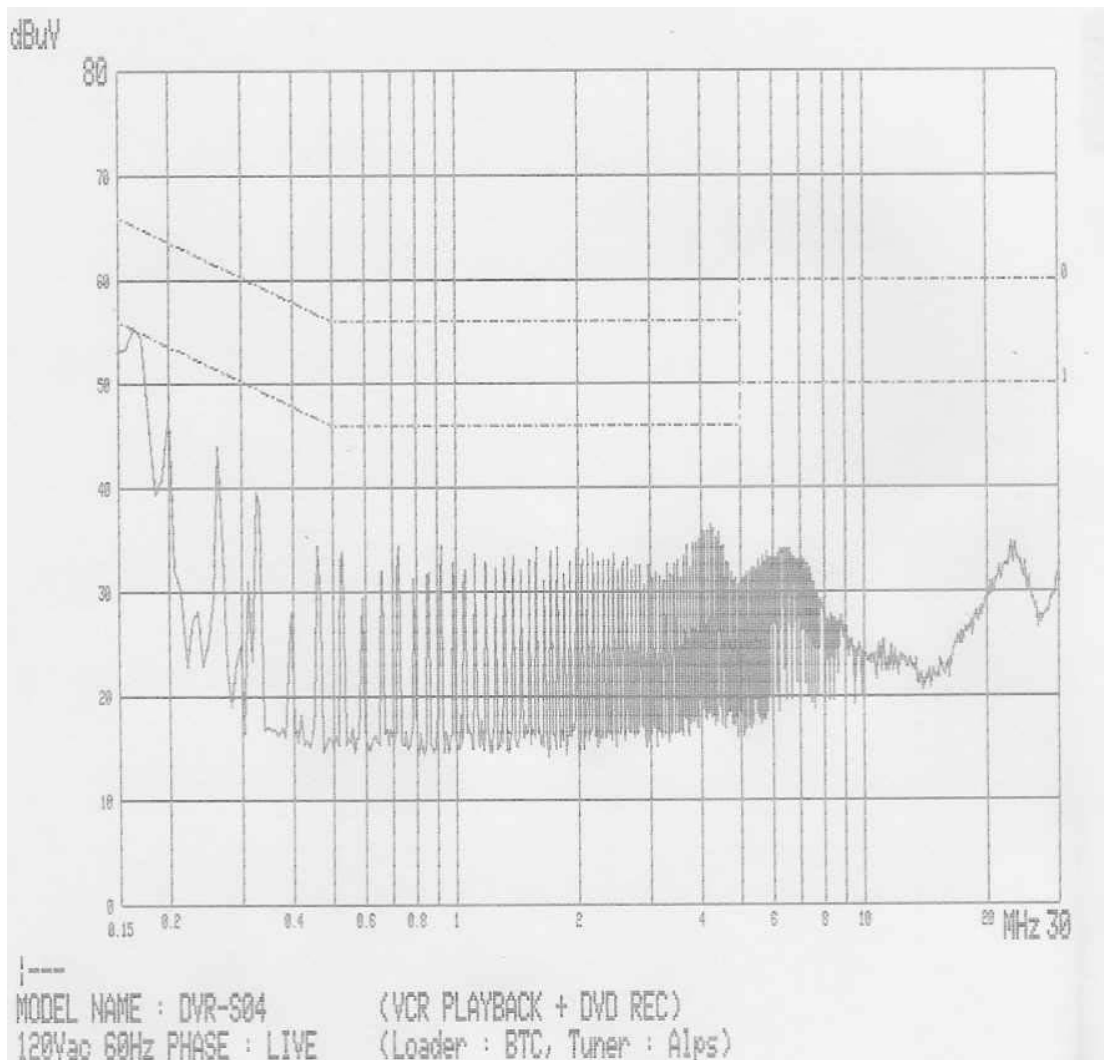
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

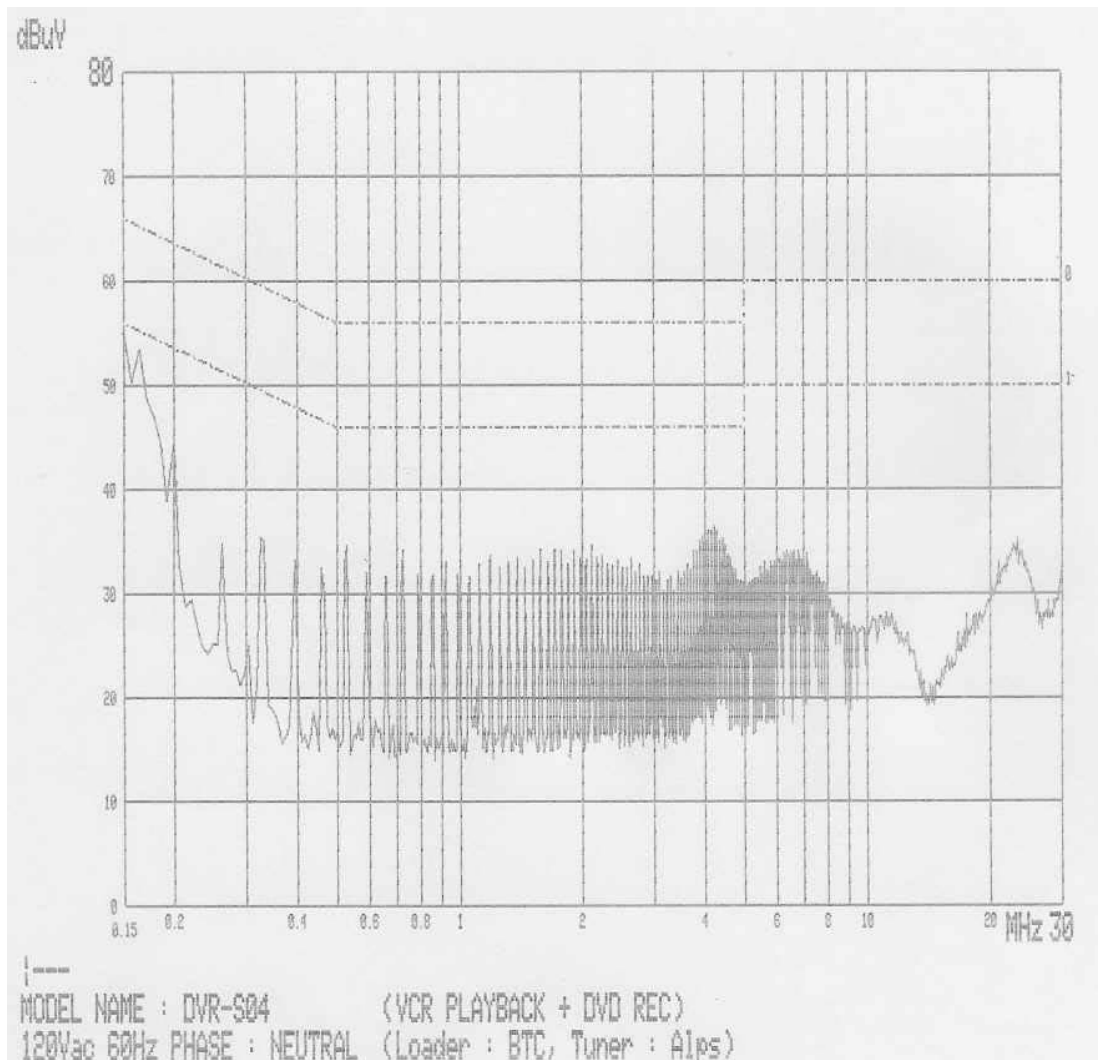
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

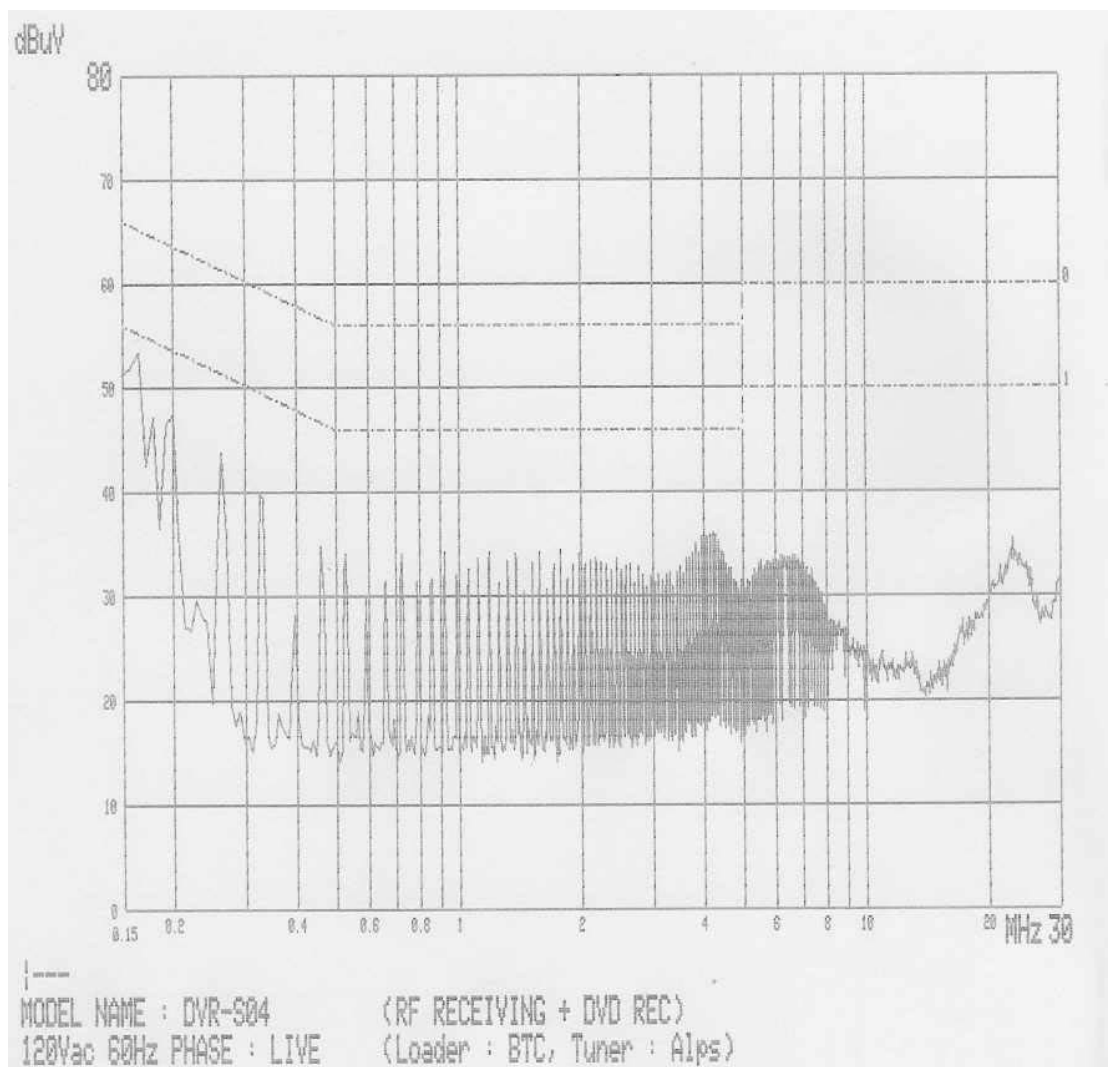
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

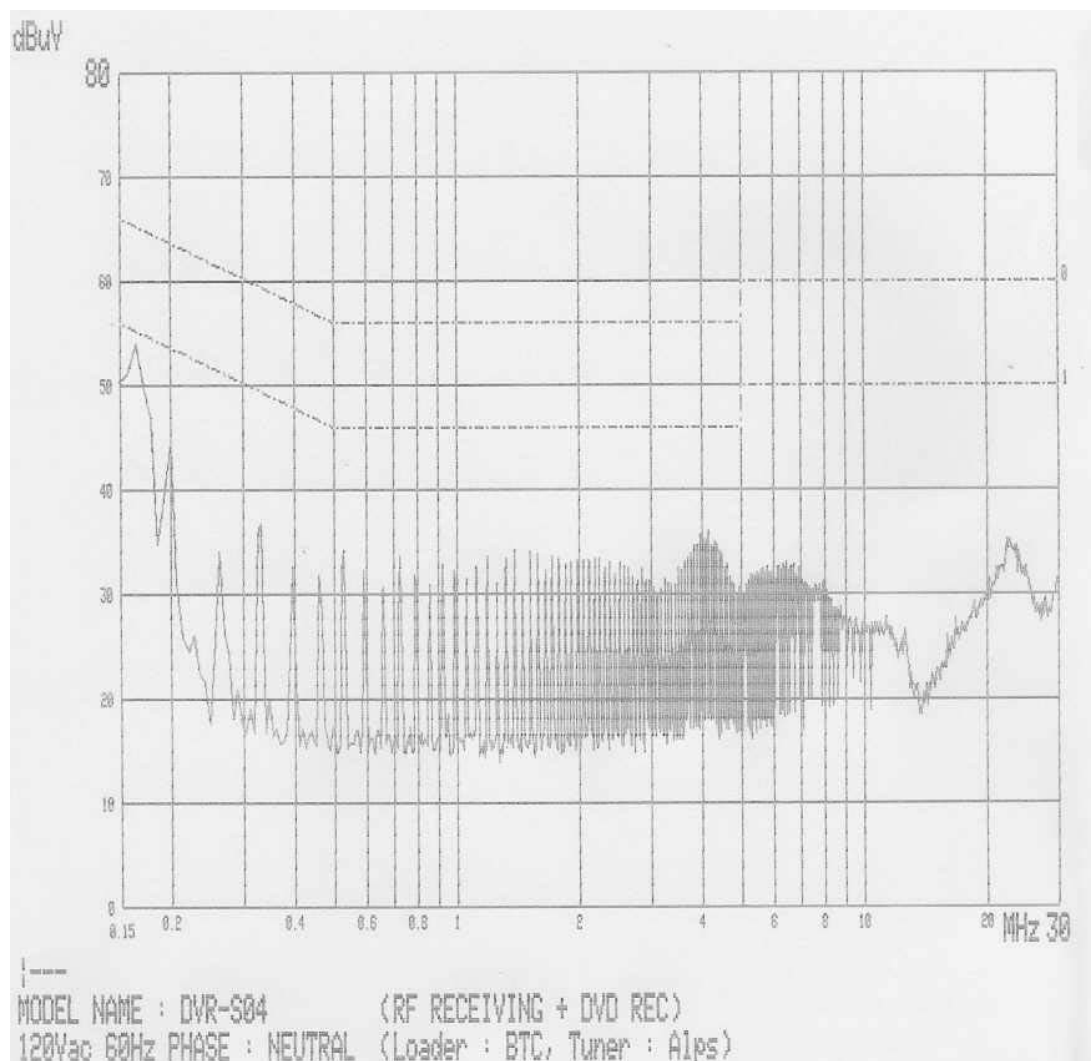
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

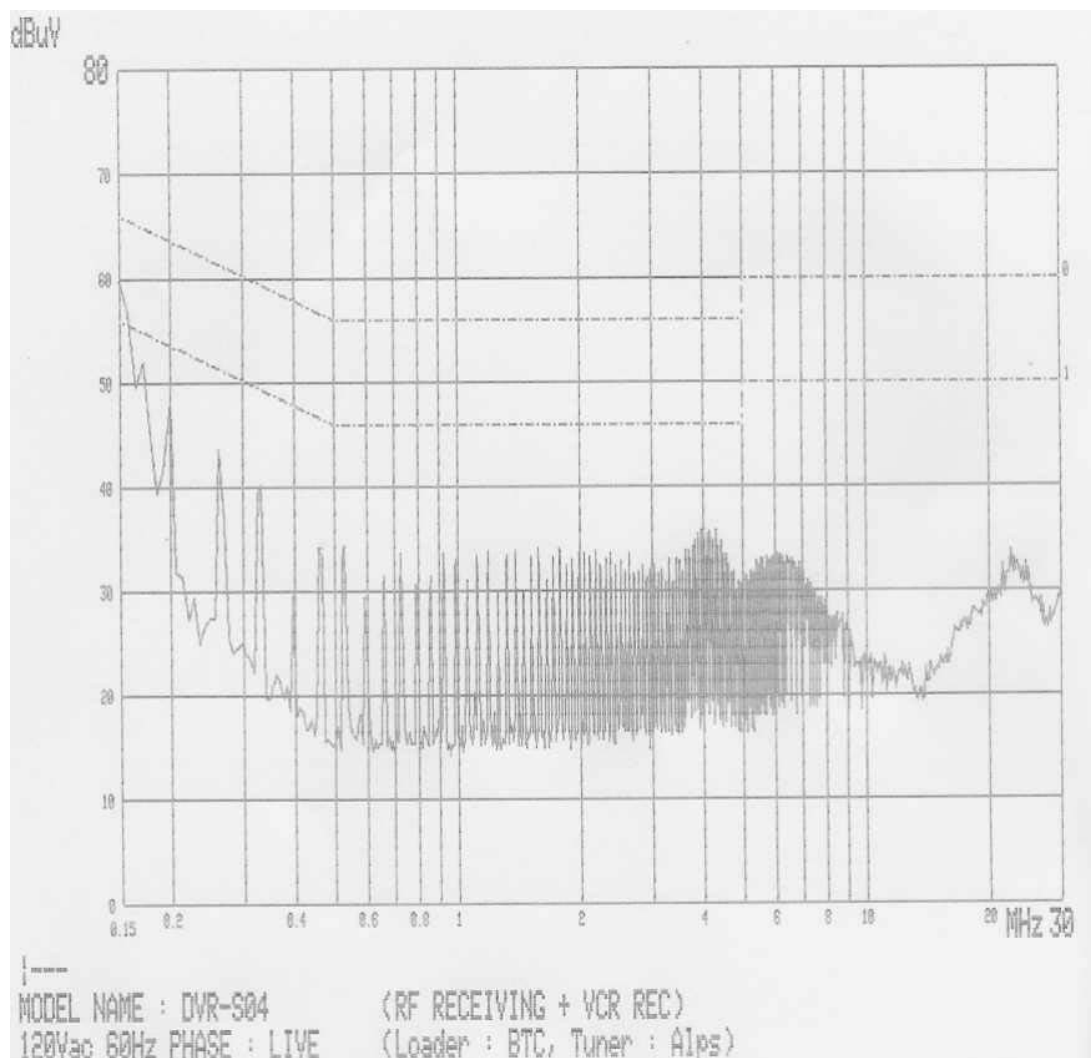
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

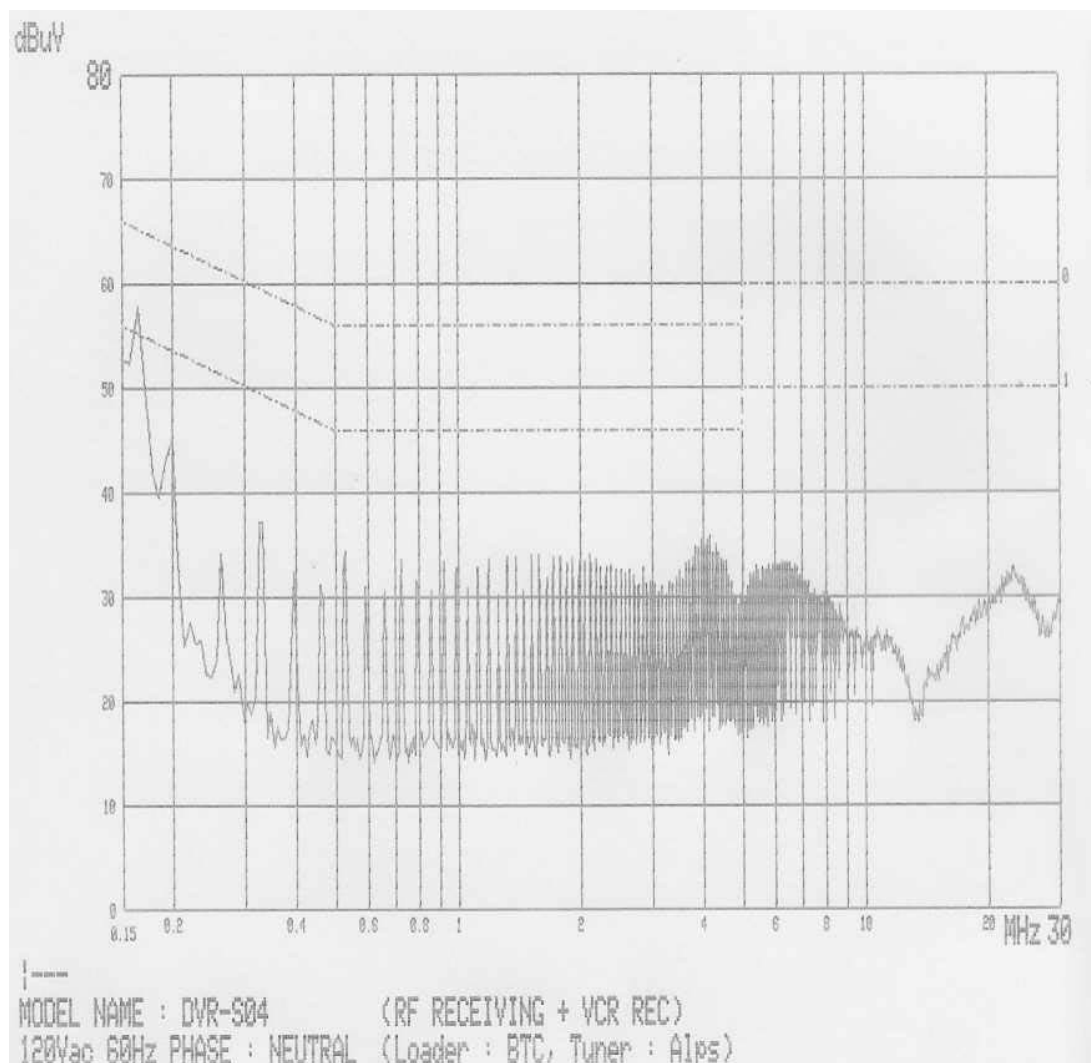
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

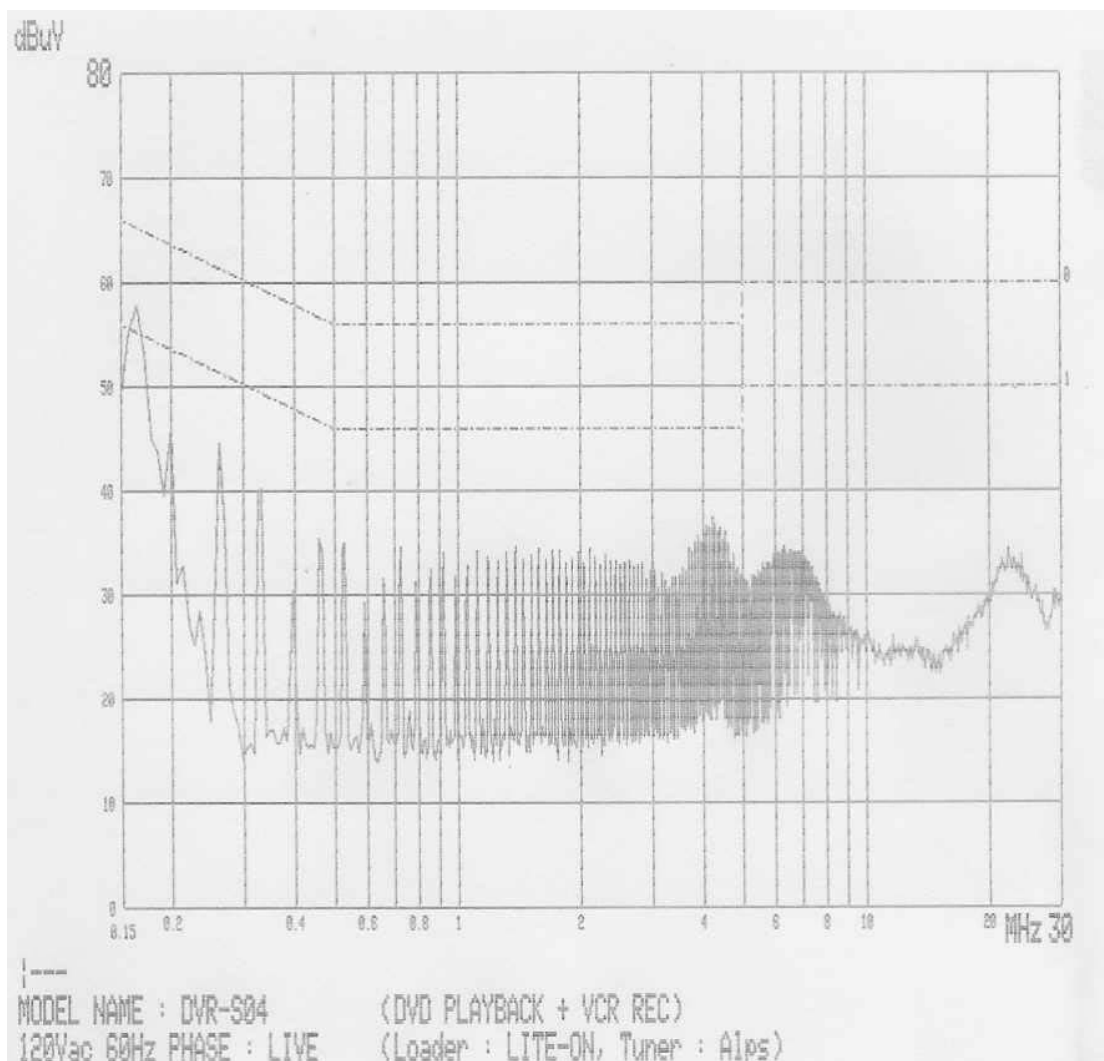
Loader : BDR-L04P (BTC)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

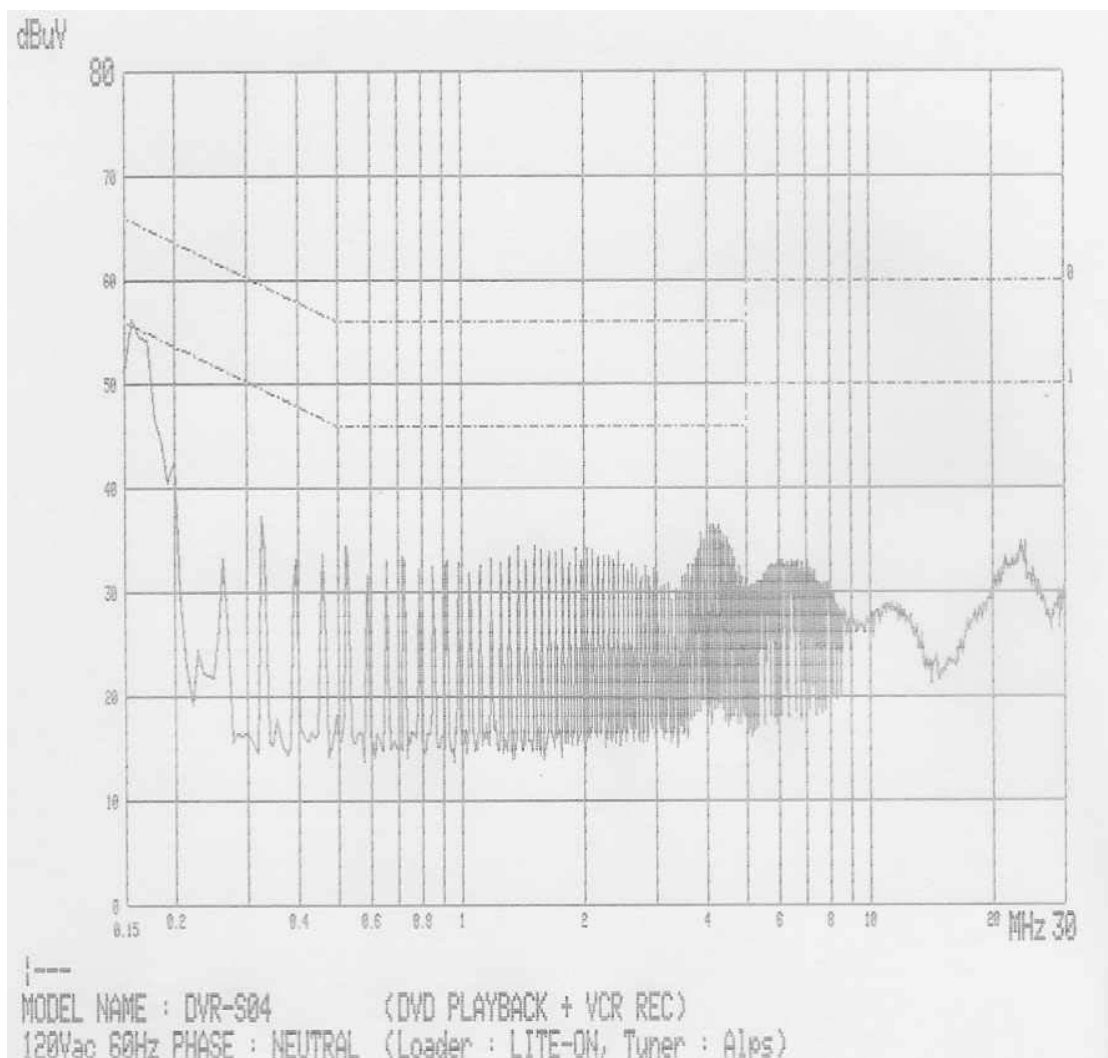
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

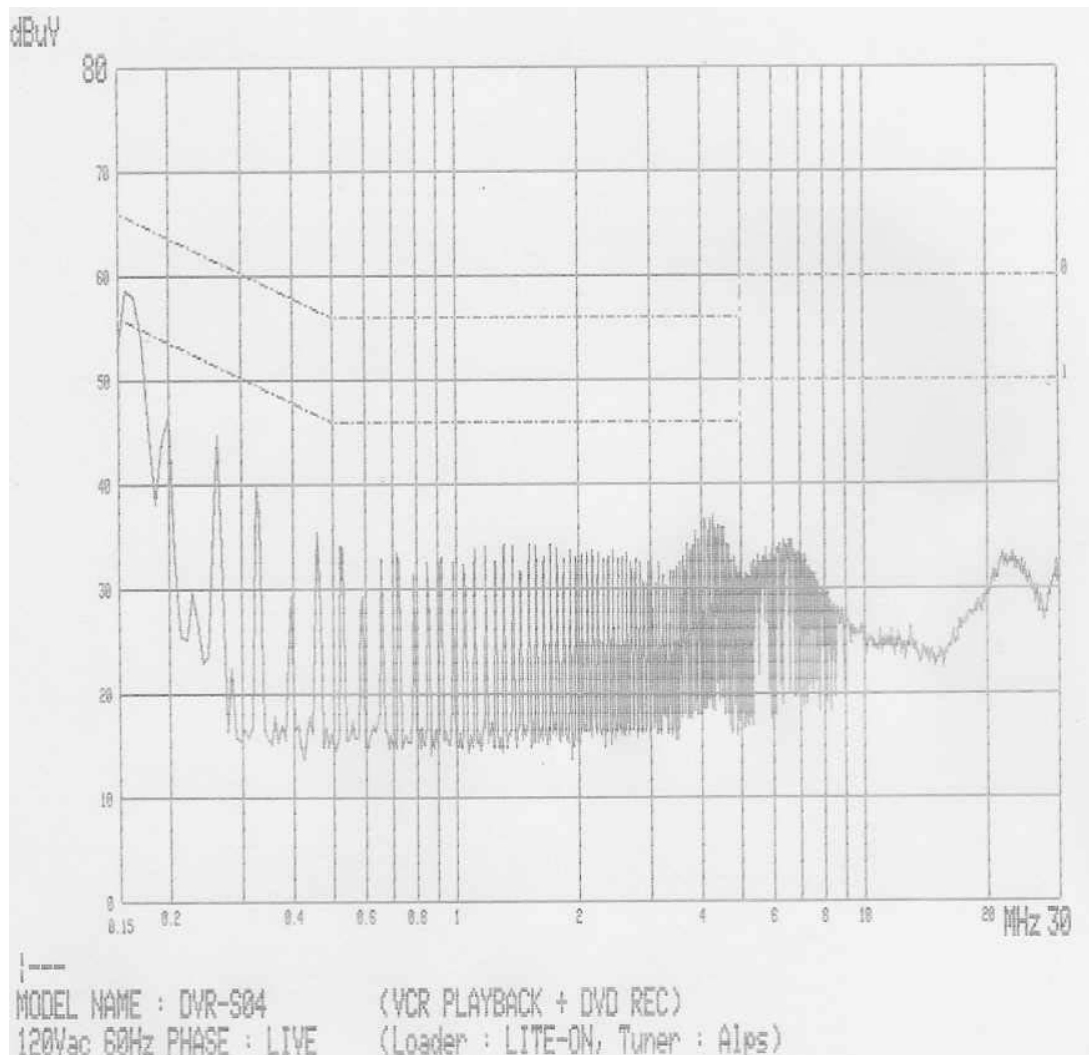
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

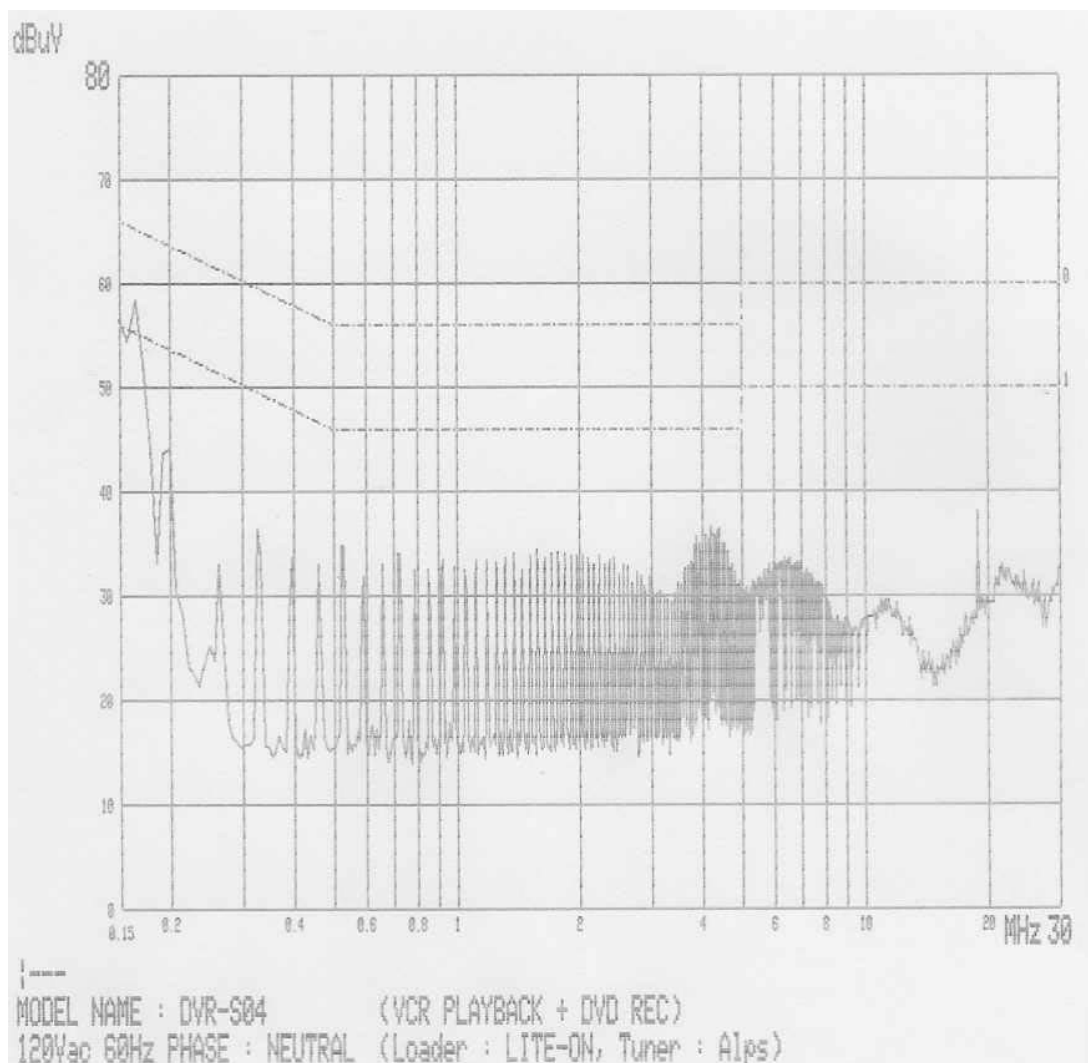
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

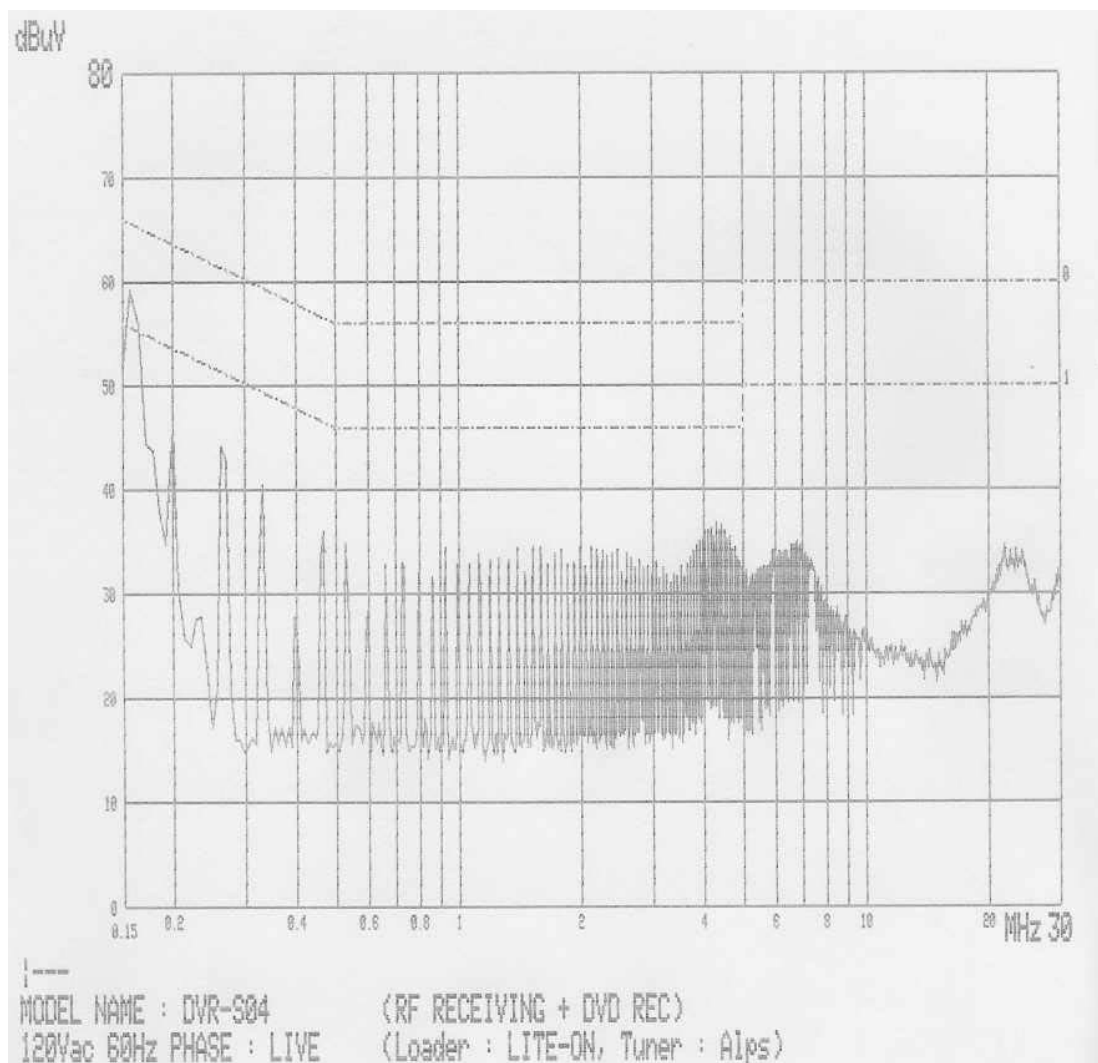
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μV]		Limit [dB μV]		Margin [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)

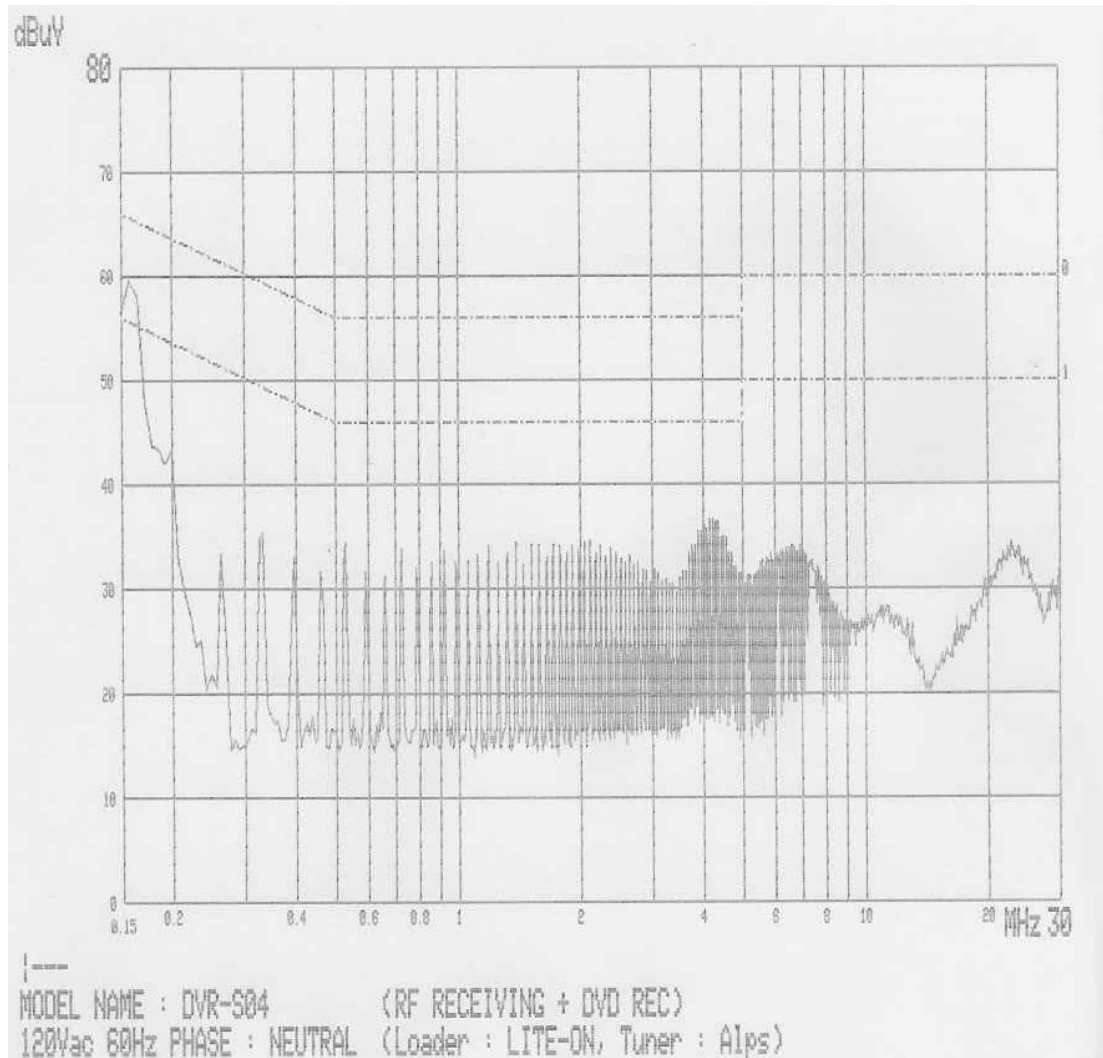
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

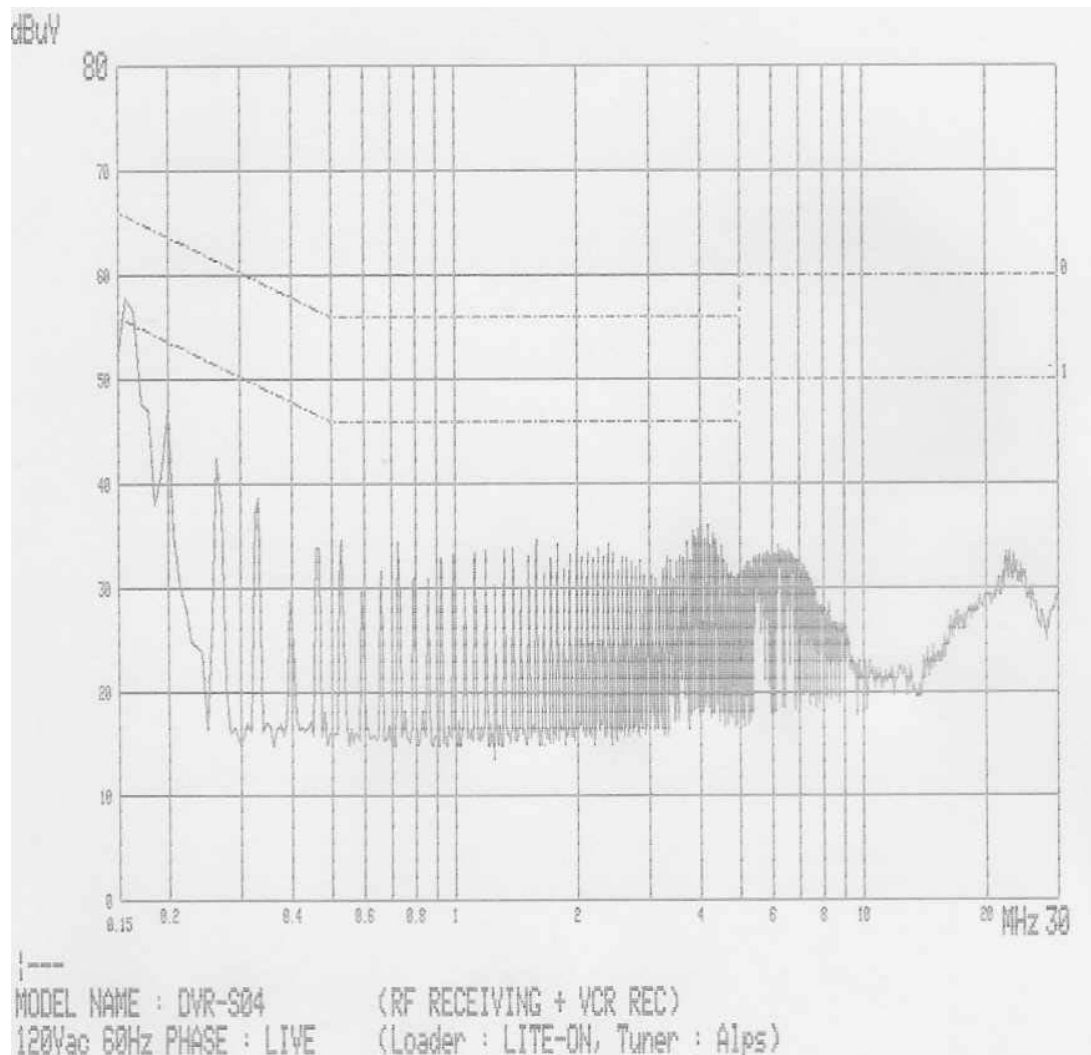
Loader : DDW-451S(LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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)

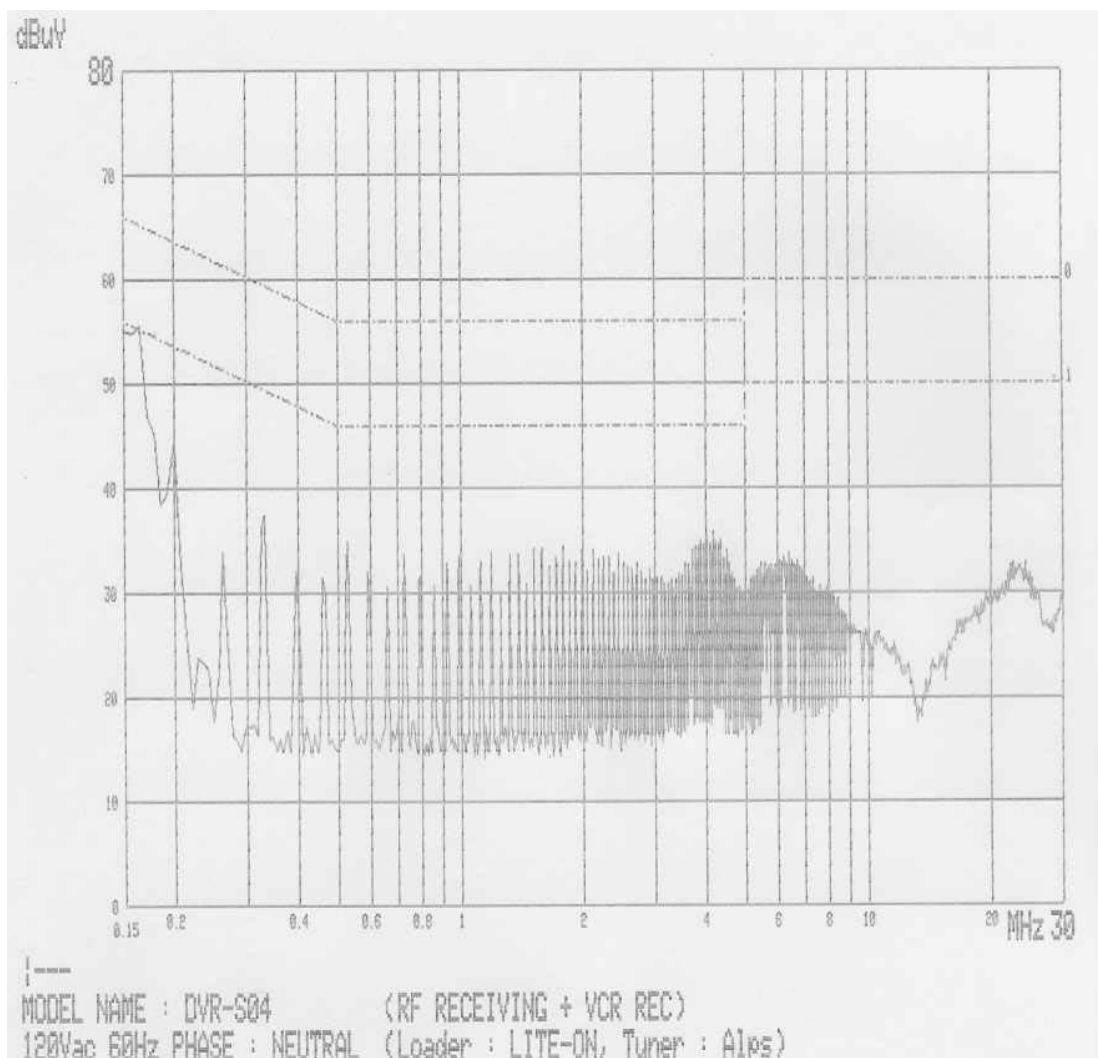
Loader : DDW-451S (LITE-ON)

Freq. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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. [MHz]	Measurement [dB μ V]		Limit [dB μ V]		Margin [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. (MHz)	Pol. (H/V)	Limits (dBuV/m)	Result (dBuV/m)	Margin (dB)
DVD Playback + 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 + 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 + 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 + 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. (MHz)	Pol. (H/V)	Limits (dBuV/m)	Result (dBuV/m)	Margin (dB)
DVD Playback + 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 + 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 + 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 + 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. (MHz)	Pol. (H/V)	Limits (dBuV/m)	Result (dBuV/m)	Margin (dB)
DVD Playback + 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 + 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 + 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 + 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. (MHz)	Pol. (H/V)	Limits (dBuV/m)	Result (dBuV/m)	Margin (dB)
DVD Playback + 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 + 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 + 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 + 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. (MHz)	Pol. (H/V)	Limits (dBuV/m)	Result (dBuV/m)	Margin (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. (MHz)	Pol. (H/V)	Limits (dBuV/m)	Result (dBuV/m)	Margin (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. (MHz)	Pol. (H/V)	Limits (dBuV/m)	Result (dBuV/m)	Margin (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. (MHz)	Pol. (H/V)	Limits (dBuV/m)	Result (dBuV/m)	Margin (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

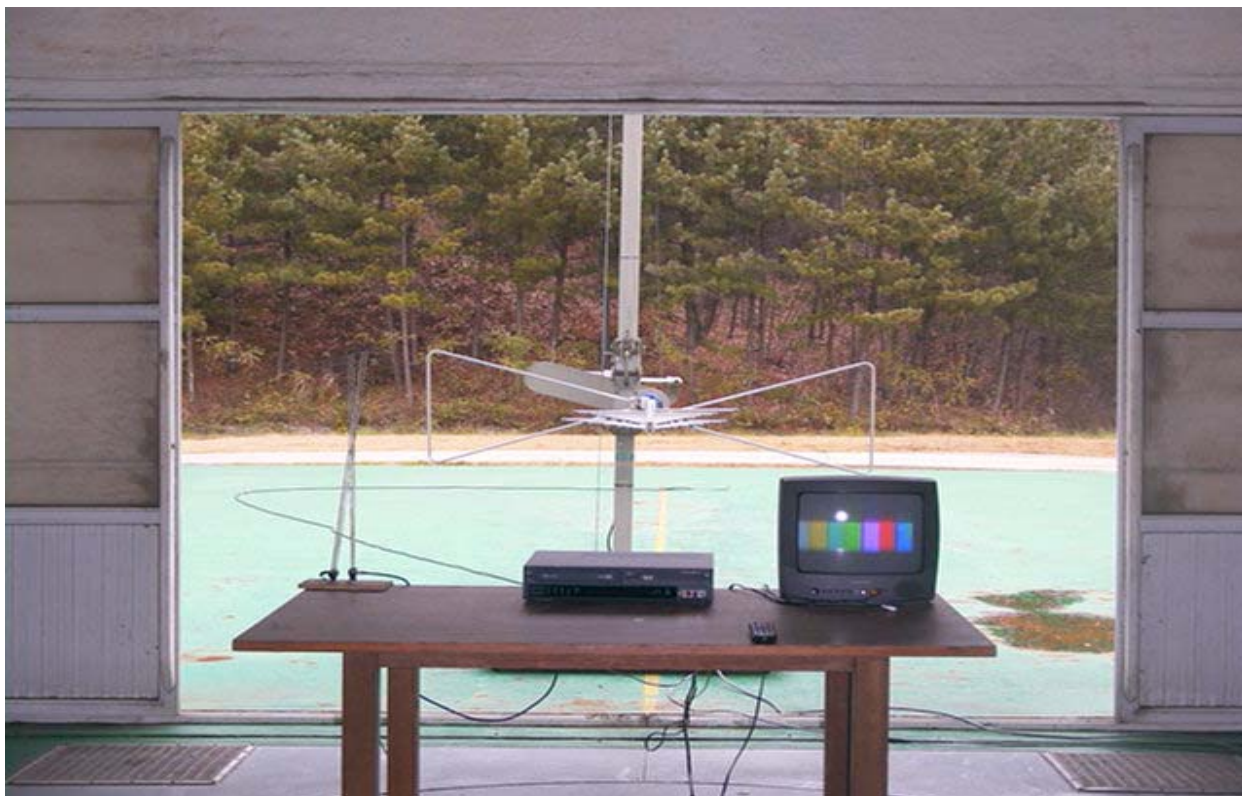


Front View



Rear View

Test Setup Photos - Radiated Emissions



Front View



Rear View

Test Setup Photos - Conducted Emissions



Front View



Rear View