

## DOCUMENTS FOR CE

- HOME AUDIO                       CAR AUDIO  
 COMMUNICATION                       SPEAKER

• Equipment/System Name : CD RECEIVER  
Model (s) : KDC-3047A

• Contents of Documents:

- DECLARATION OF CONFORMITY  
 TEST CERTIFICATE  
 EMC TEST REPORT (  Radiation  Immunity )  
 L.V.D TEST REPORT ( SAFETY REGULATION )  
 TECHNICAL CONSTRUCTION FILE

• Remarks:

---

---

---

※ Tick (  ) appropriate box.

Kenwood Corporation

  
\_\_\_\_\_  
Norio Iwashita, Group Manager

Safety and Environment Group  
Technology Development Div.

Date: 30 November, 2009

EMC TEST CERTIFICATEDESCRIPTION OF EQUIPMENT

Equipment	CD RECEIVER
Manufacturer	Kenwood Corporation
Trade mark	KENWOOD
Type	KDC-3047A
Rating	12V DC
Aerial connection	FM/AM:coaxial (75 ohms)
Tuning	FM:87.5MHz-108.0MHz,MW:531kHz-1611kHz

STANDARDS AND MEASUREMENTS

## EN55013:2001 +A1:2003 +A2:2006

Mains Terminal Disturbance Voltage	<input type="checkbox"/> applied	<input checked="" type="checkbox"/> not applied
Antenna terminal disturbance voltage	<input checked="" type="checkbox"/> applied	<input type="checkbox"/> not applied
Disturbance radiation	<input type="checkbox"/> applied	<input checked="" type="checkbox"/> not applied
Disturbance power	<input checked="" type="checkbox"/> applied	<input type="checkbox"/> not applied

## EN 55020:2007

Input immunity	<input checked="" type="checkbox"/> applied	<input type="checkbox"/> not applied
Immunity to conducted voltages	<input type="checkbox"/> applied	<input checked="" type="checkbox"/> not applied
Immunity to conducted currents	<input checked="" type="checkbox"/> applied	<input type="checkbox"/> not applied
Immunity to radiated fields	<input type="checkbox"/> applied	<input checked="" type="checkbox"/> not applied
Immunity to electrostatic discharge	<input checked="" type="checkbox"/> applied	<input type="checkbox"/> not applied

## Directive 2004/104/EC

## Pparagraphs 6.5 and 6.6 (CISPR25) Radiated emission test

Broadband electromagnetic interference	<input checked="" type="checkbox"/> applied	<input type="checkbox"/> not applied
Narrowband electromagnetic interference	<input checked="" type="checkbox"/> applied	<input type="checkbox"/> not applied

## Pparagraphs 6.8 (ISO7637-2) Immunity to transient disturbances conducted along supply lines

<input checked="" type="checkbox"/> applied	<input type="checkbox"/> not applied
---	--------------------------------------

## Pparagraphs 6.9 (ISO7637-2)

Emission conducted disturbances	<input checked="" type="checkbox"/> applied	<input type="checkbox"/> not applied
---------------------------------	---	--------------------------------------

SUMMARY

The equipment fullfils the requirements in europe standards above mentioned.

Approved by



Norio Iwashita, Group Manager  
Safety and Environment Group  
Technology Development Div.

Tokyo, 30 November, 2009

**KENWOOD**

KENWOOD ELECTRONICS EUROPE B.V.  
SALES DIVISIE NEDERLAND  
AMSTERDAMSEWEG 37  
1422 AC UITHOORN  
TEL: 0297-519800  
FAX: 0297-519880

## DECLARATION OF CONFORMITY

We, KENWOOD ELECTRONICS EUROPE B.V.

Amsterdamseweg 37, 1422 AC Uithoorn, The Netherlands

declare under our sole responsibility that the product(s),

CD RECEIVER

Model (s) : KDC-3047A

to which this declaration relates is/are in conformity with the following standards,

EN55013:2001 +A1:2003 +A2:2006

Electromagnetic Immunity of Broadcast Receivers and  
Characteristics of Broadcast Receivers and Associated  
Equipment

EN 55020:2007

Electromagnetic Immunity of Broadcast Receivers and  
Associated Equipment


and the following provision of

EMC Directive, 2004/108/EC

Directive 2004/104/EC: The limits defined in Annex I, paragraphs 6.5, 6.6,  
6.8 and 6.9 are fulfilled.

Year of CE-Marking : 2009

Amsterdam, 4/Dec '09

  
Toru Kawauchi, President  
Kenwood Electronics Europe B.V.

# TEST REPORT

Radiation

Equipment under test : KDC-3047A

Standard : EN 55013 : 2001+A1: 2003 +A2:2006

Measurements : Disturbance Power Page  
2

: Antenna terminal disturbance voltage 16

Test Result : Pass

Test facility : Shielded enclosure and semi-anechoic chamber at  
Car Electronics Manufacturing Division, KENWOOD corporation

Instrumentation : Spectrum Analyzer            Advantest            TR4135  
Coaxial Switch            Hewlett Packard    140T  
Attenuator                Kyoritsu            12dB  
Wide Band Amplifier      Avantek             UTA-2015  
FM Signal Generator      Hewlett Packard    8656B  
Impedance Transformer    Anritsu             MP614A  
Changeover Switch       Rohde & Schwarz    SH  
Two Signal Pad            Rohde & Schwarz    BN42441/75

Tokyo, 30 November, 2009

Reviewed by

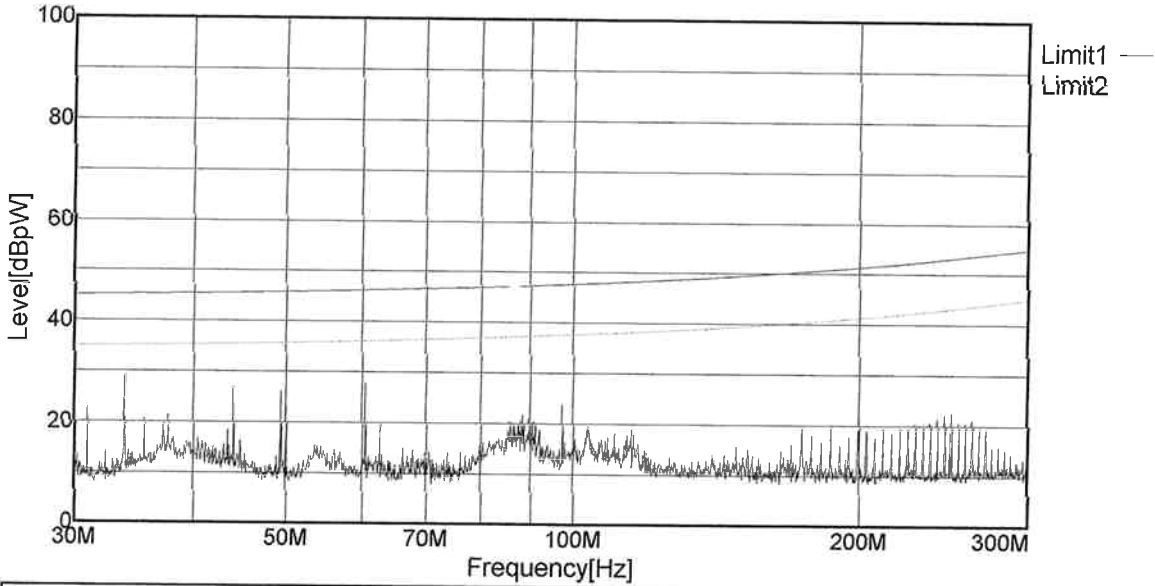


Norio Iwashita, Group Manager  
Safety and Environment Group  
Technology Development Div.

**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : PEAK  
 Bands : 4  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: ANTENNA  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 16:24

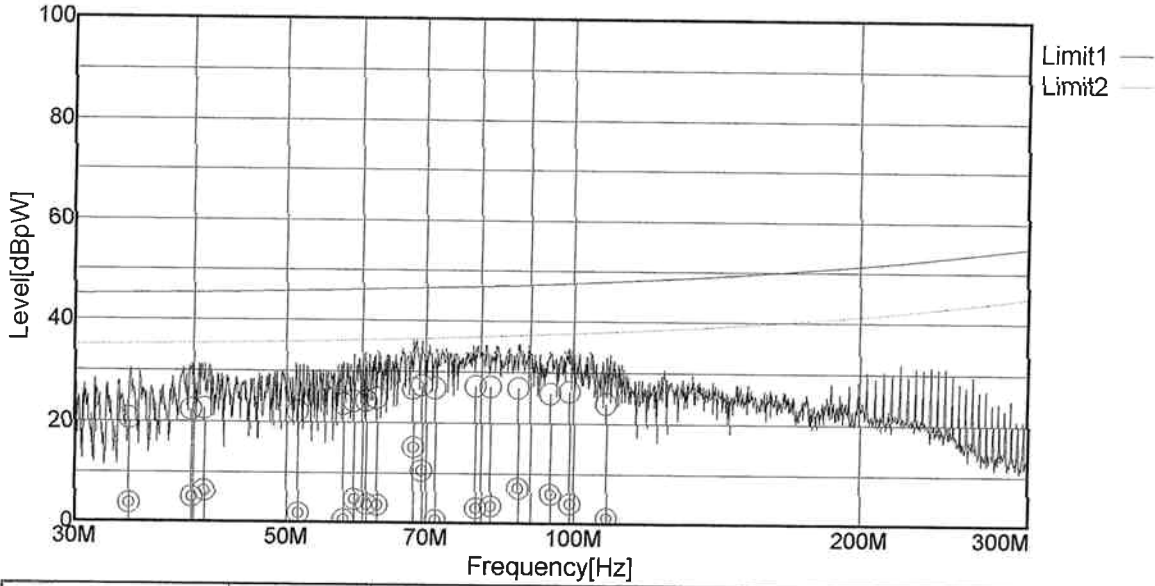


Frequency[MHz]	Level[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1[dB]	Margin2[dB]
31.044	22.6	0	45.0	35.0	22.4	12.4
33.867	29.1	0	45.2	35.2	16.0	6.0
35.533	20.5	0	45.2	35.2	24.7	14.7
44.022	26.7	0	45.5	35.5	18.8	8.8
49.289	20.0	0	45.7	35.7	25.8	15.8
49.422	26.1	0	45.7	35.7	19.7	9.7
50.000	23.1	0	45.8	35.8	22.7	12.7
60.500	27.7	0	46.1	36.1	18.5	8.5
62.667	19.9	0	46.2	36.2	26.3	16.3
89.667	20.9	0	47.2	37.2	26.3	16.3
97.444	23.7	0	47.5	37.5	23.8	13.8

**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : QP  
 Points : 17  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: AUX IN  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 12:01

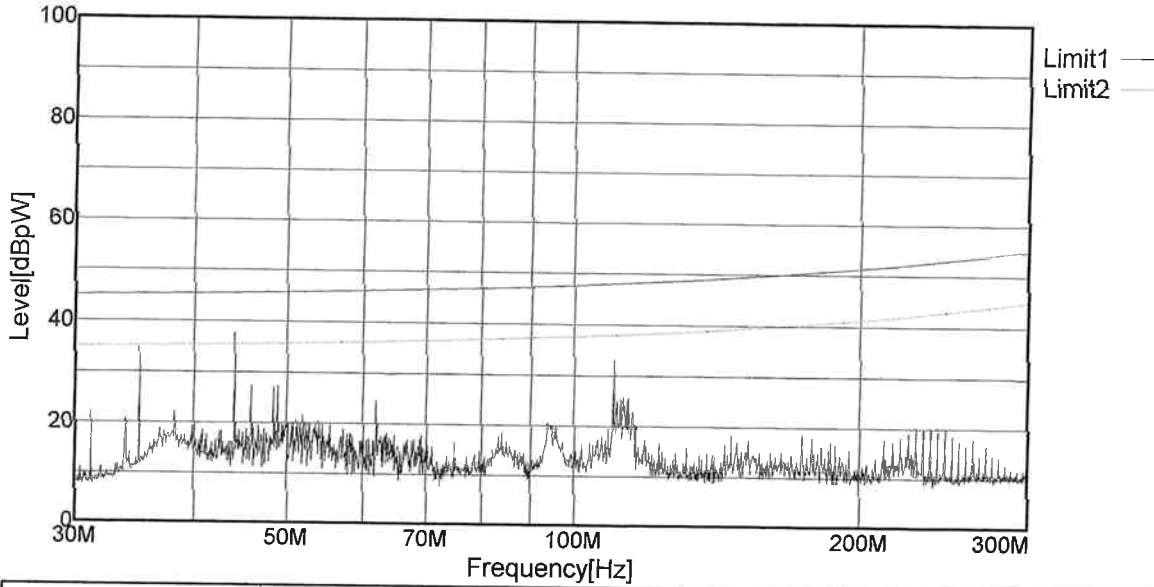


Frequency[MHz]	Level (QP)[dBpW]	Level (Av.)[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1 [dB]	Margin2 [dB]
34.211	20.6	3.8	140	45.2	35.2	24.5	31.4
39.749	22.3	5.0	46	45.4	35.4	23.1	30.3
41.013	22.5	6.4	2	45.4	35.4	22.9	29.1
51.411	22.1	1.9	387	45.8	35.8	23.8	33.9
57.329	23.6	0.6	61	46.0	36.0	22.5	35.4
58.775	24.1	4.8	291	46.1	36.1	22.0	31.3
60.549	24.1	3.7	282	46.1	36.1	22.0	32.4
62.126	24.7	3.6	264	46.2	36.2	21.5	32.7
67.860	26.6	15.2	44	46.4	36.4	19.9	21.2
69.317	27.2	10.5	245	46.5	36.5	19.2	26.0
78.822	27.2	3.1	19	46.8	36.8	19.6	33.7
71.581	26.7	0.6	423	46.5	36.5	19.8	35.9
81.727	27.1	3.5	19	46.9	36.9	19.9	33.4
87.364	26.8	7.1	179	47.1	37.1	20.4	30.0
94.444	25.7	5.9	312	47.4	37.4	21.7	31.6
98.908	26.1	4.0	0	47.6	37.6	21.4	33.5
108.132	23.8	1.1	377	47.9	37.9	24.1	36.8

**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : PEAK  
 Bands : 4  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: POWER  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 19:04

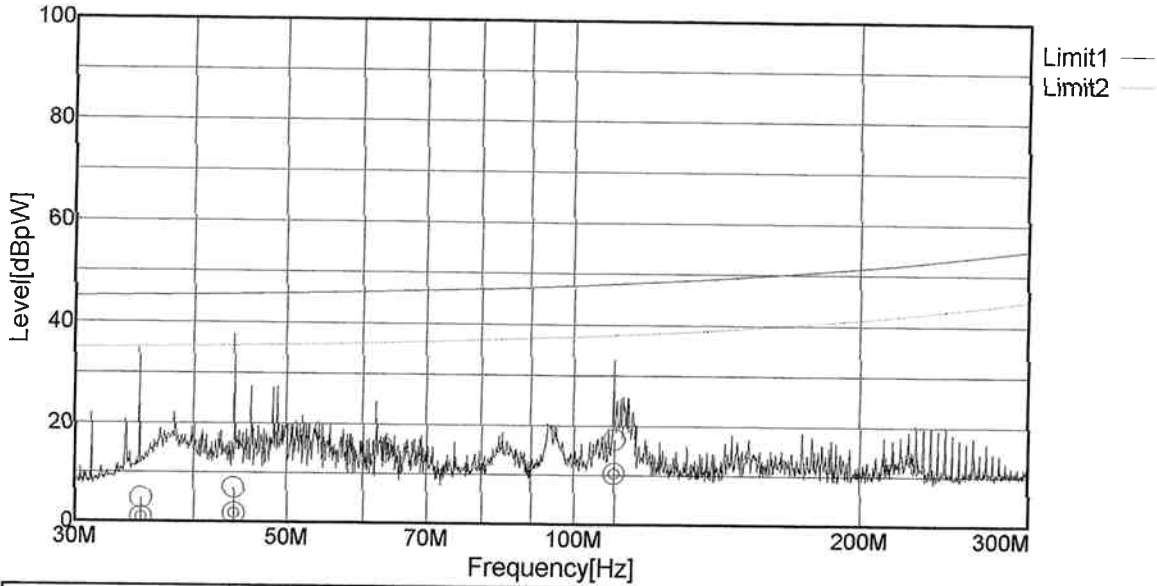


Frequency[MHz]	Level[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1[dB]	Margin2[dB]
31.267	22.0	0	45.1	35.1	23.1	13.1
35.067	34.8	0	45.2	35.2	10.4	0.4
44.067	37.6	0	45.5	35.5	7.9	▲2.1
45.844	27.3	0	45.6	35.6	18.3	8.3
48.444	27.1	0	45.7	35.7	18.6	8.6
48.933	27.2	0	45.7	35.7	18.5	8.5
61.944	24.5	0	46.2	36.2	21.7	11.7
110.111	33.2	0	48.0	38.0	14.8	4.8
112.778	25.7	0	48.1	38.1	22.4	12.4
114.222	25.6	0	48.1	38.1	22.6	12.6

**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : QP  
 Points : 3  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: POWER  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 19:08



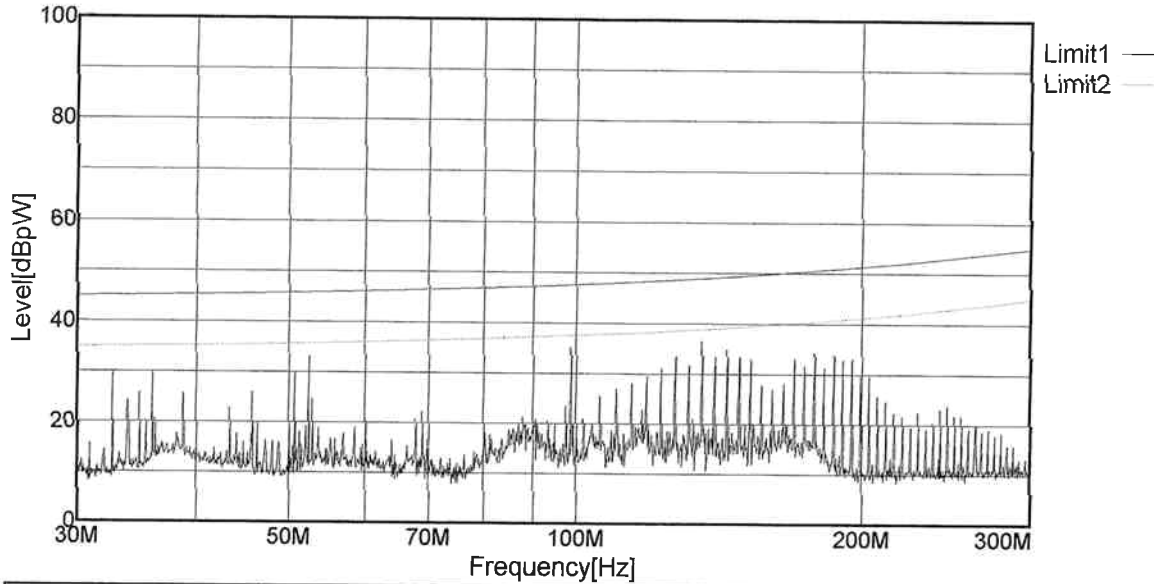
Frequency[MHz]	Level (QP)[dBpW]	Level (Av.)[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1 [dB]	Margin2 [dB]
35.163	4.8	0.9	492	45.2	35.2	40.4	34.3
44.006	6.9	1.8	426	45.5	35.5	38.7	33.8
110.261	17.3	10.3	20	48.0	38.0	30.7	27.7



**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : PEAK  
 Bands : 4  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: PREOUT  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 15:59

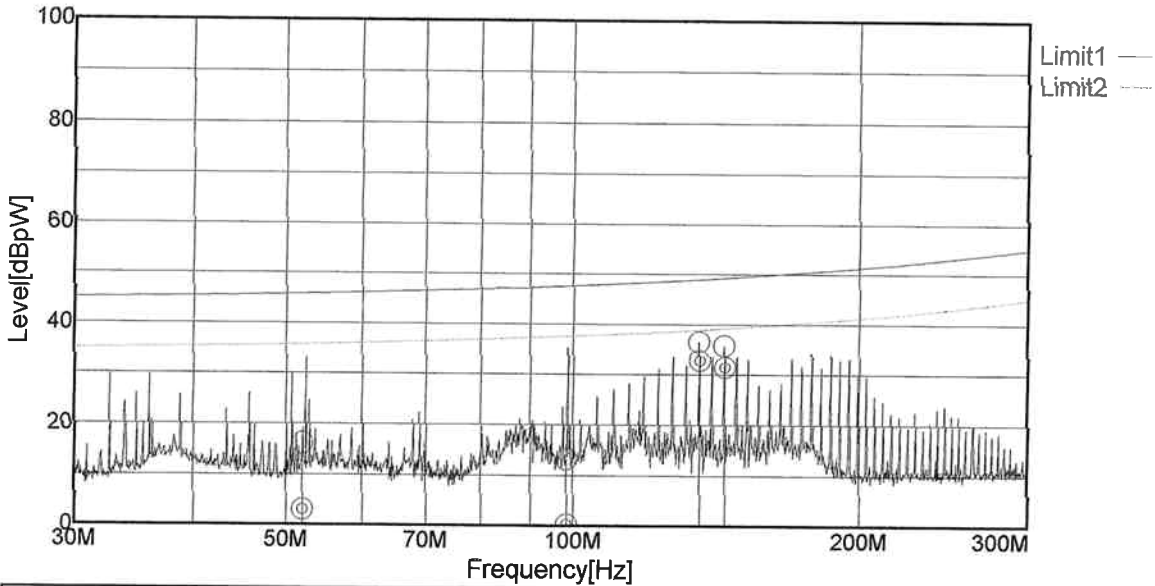


Frequency[MHz]	Level[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1[dB]	Margin2[dB]
32.667	29.6	0	45.1	35.1	15.5	5.5
33.889	24.2	0	45.2	35.2	21.0	11.0
34.867	25.9	0	45.2	35.2	19.3	9.3
35.978	29.9	0	45.2	35.2	15.4	5.4
38.800	25.7	0	45.3	35.3	19.7	9.7
45.733	26.0	0	45.6	35.6	19.6	9.6
50.722	29.9	0	45.8	35.8	15.9	5.9
52.444	33.1	0	45.8	35.8	12.8	2.8
52.889	24.6	0	45.9	35.9	21.3	11.3
98.722	35.2	0	47.6	37.6	12.4	2.4
110.222	26.9	0	48.0	38.0	21.1	11.1
114.333	28.1	0	48.1	38.1	20.1	10.1
118.667	29.4	0	48.3	38.3	18.9	8.9
122.889	31.1	0	48.5	38.5	17.4	7.4
127.111	33.5	0	48.6	38.6	15.2	5.2
131.333	31.8	0	48.8	38.8	17.0	7.0
135.667	36.5	0	48.9	38.9	12.4	2.4
139.889	33.4	0	49.1	39.1	15.7	5.7
144.111	34.9	0	49.2	39.2	14.4	4.4
148.444	33.5	0	49.4	39.4	15.9	5.9
152.556	33.0	0	49.6	39.6	16.5	6.5
169.556	33.1	0	50.2	40.2	17.1	7.1
173.778	31.6	0	50.3	40.3	18.8	8.8
178.111	34.3	0	50.5	40.5	16.2	6.2
182.333	31.3	0	50.7	40.7	19.3	9.3
186.667	33.8	0	50.8	40.8	17.0	7.0
190.778	32.8	0	51.0	41.0	18.2	8.2
195.222	33.1	0	51.1	41.1	18.0	8.0
199.222	30.0	0	51.3	41.3	21.3	11.3

**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : QP  
 Points : 4  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: PREOUT  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 16:05

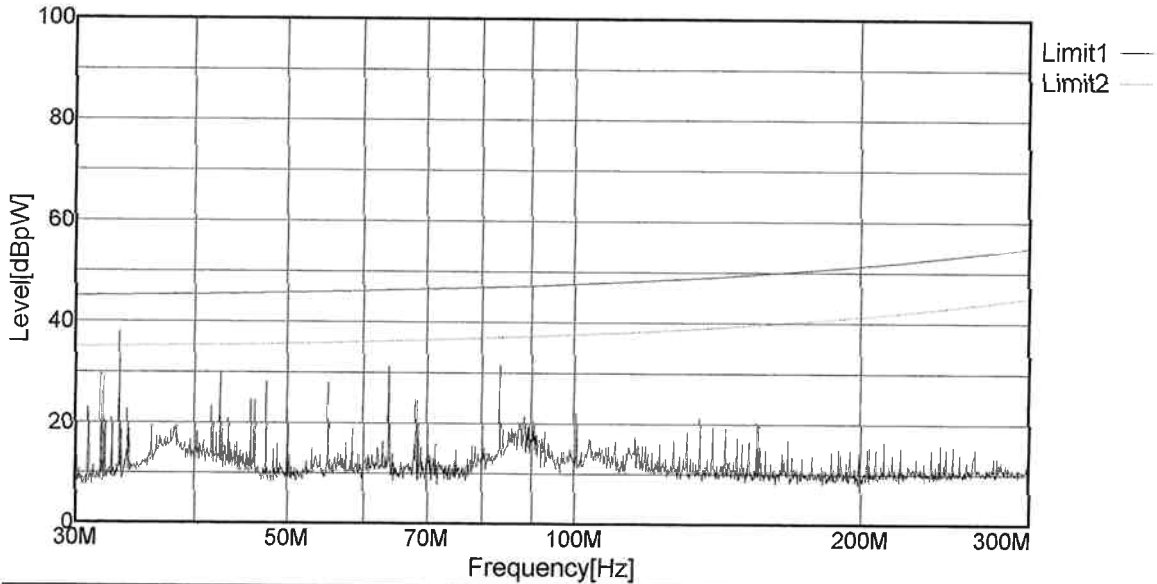


Frequency[MHz]	Level (QP)[dBpW]	Level (Av.)[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1 [dB]	Margin2 [dB]
52.027	16.2	3.0	348	45.8	35.8	29.6	32.8
98.424	13.2	0.3	35	47.6	37.6	34.4	37.3
135.667	36.5	32.8	3	48.9	38.9	12.5	6.1
144.141	35.8	31.4	0	49.2	39.2	13.5	7.9

NOISE POWER

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : PEAK  
 Bands : 4  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: SP FRONT Lch  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 16:31

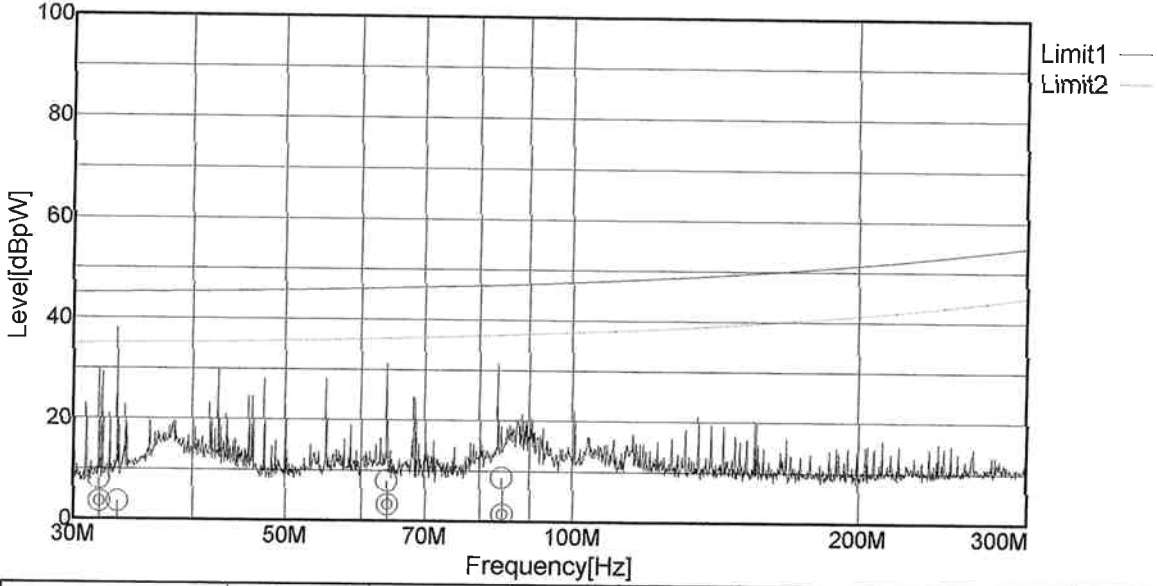


Frequency[MHz]	Level[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1[dB]	Margin2[dB]
30.956	23.0	0	45.0	35.0	22.1	12.1
31.933	29.9	0	45.1	35.1	15.2	5.2
32.111	26.1	0	45.1	35.1	19.0	9.0
32.222	29.2	0	45.1	35.1	15.9	5.9
32.756	20.8	0	45.1	35.1	24.3	14.3
33.356	37.9	0	45.1	35.1	7.3	▲2.7
34.000	22.6	0	45.2	35.2	22.6	12.6
41.711	23.2	0	45.4	35.4	22.2	12.2
41.844	19.7	0	45.4	35.4	25.8	15.8
42.533	29.9	0	45.5	35.5	15.6	5.6
43.378	20.9	0	45.5	35.5	24.6	14.6
45.822	24.6	0	45.6	35.6	21.0	11.0
46.289	24.5	0	45.6	35.6	21.2	11.2
47.556	28.0	0	45.7	35.7	17.6	7.6
50.000	22.8	0	45.8	35.8	23.0	13.0
55.111	28.0	0	45.9	35.9	18.0	8.0
63.833	31.2	0	46.3	36.3	15.1	5.1
63.944	20.7	0	46.3	36.3	25.6	15.6
68.111	24.5	0	46.4	36.4	21.9	11.9
68.500	24.3	0	46.4	36.4	22.1	12.1
83.444	31.4	0	47.0	37.0	15.6	5.6
88.500	21.3	0	47.2	37.2	25.9	15.9
100.556	22.0	0	47.6	37.6	25.6	15.6

**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : QP  
 Points : 4  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: SP FRONT Lch  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 16:35

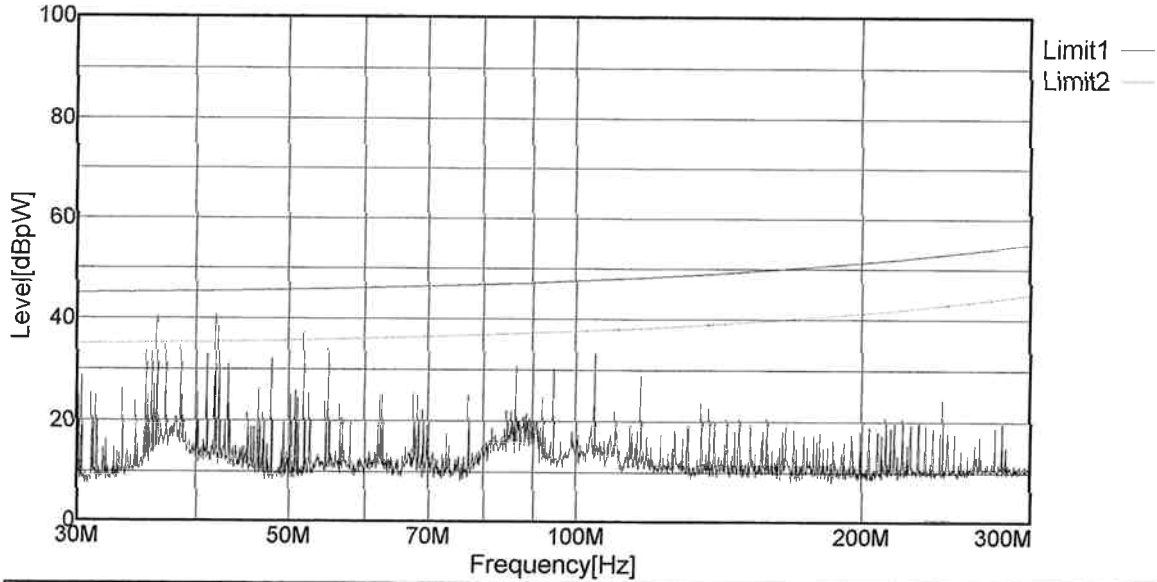


Frequency[MHz]	Level (QP)[dBpW]	Level (Av.)[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1 [dB]	Margin2 [dB]
31.982	8.1	3.5	320	45.1	35.1	37.0	31.5
33.361	3.6	-0.1	45	45.1	35.1	41.6	35.2
63.987	8.0	3.2	236	46.3	36.3	38.3	33.1
84.272	8.6	1.4	18	47.0	37.0	38.4	35.6

NOISE POWER

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : PEAK  
 Bands : 4  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: SP FRONT Rch  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 16:52

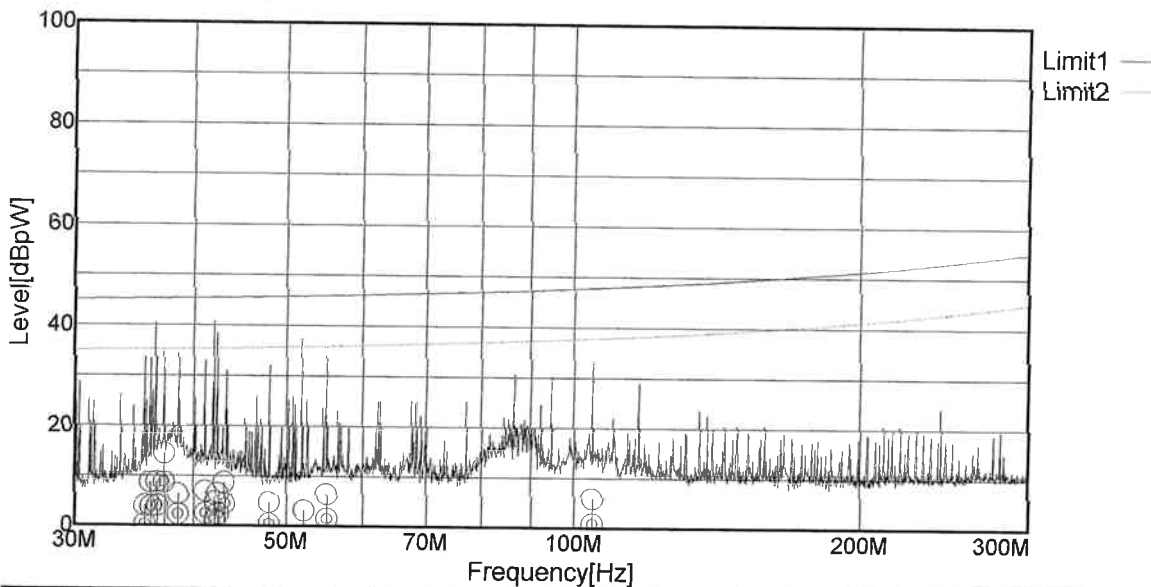


Frequency[MHz]	Level[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1[dB]	Margin2[dB]
30.156	25.0	0	45.0	35.0	20.0	10.0
30.333	28.6	0	45.0	35.0	16.4	6.4
31.089	25.4	0	45.0	35.0	19.6	9.6
31.467	24.9	0	45.1	35.1	20.2	10.2
33.556	26.1	0	45.2	35.2	19.0	9.0
35.511	33.8	0	45.2	35.2	11.5	1.5
35.689	25.0	0	45.2	35.2	20.2	10.2
36.022	33.4	0	45.2	35.2	11.9	1.9
36.222	27.1	0	45.3	35.3	18.2	8.2
36.489	40.3	0	45.3	35.3	5.0	▲5.1
36.533	27.1	0	45.3	35.3	18.2	8.2
37.267	34.7	0	45.3	35.3	10.6	0.6
38.600	34.5	0	45.3	35.3	10.9	0.9
38.778	24.9	0	45.3	35.3	20.4	10.4
40.133	25.5	0	45.4	35.4	19.9	9.9
41.067	32.9	0	45.4	35.4	12.6	2.6
41.822	28.4	0	45.4	35.4	17.0	7.0
41.933	40.7	0	45.5	35.5	4.8	▲5.2
42.267	38.3	0	45.5	35.5	7.1	▲2.9
43.222	31.0	0	45.5	35.5	14.5	4.5
46.578	26.2	0	45.6	35.6	19.4	9.4
47.956	32.0	0	45.7	35.7	13.7	3.7
50.833	25.9	0	45.8	35.8	19.9	9.9
51.889	37.2	0	45.8	35.8	8.7	▲1.3
55.056	34.1	0	45.9	35.9	11.9	1.9
86.444	30.5	0	47.1	37.1	16.6	6.6
94.722	30.2	0	47.4	37.4	17.2	7.2
104.667	33.1	0	47.8	37.8	14.7	4.7
117.000	28.9	0	48.2	38.2	19.4	9.4

**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : QP  
 Points : 13  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: SP FRONT Rch  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 16:57

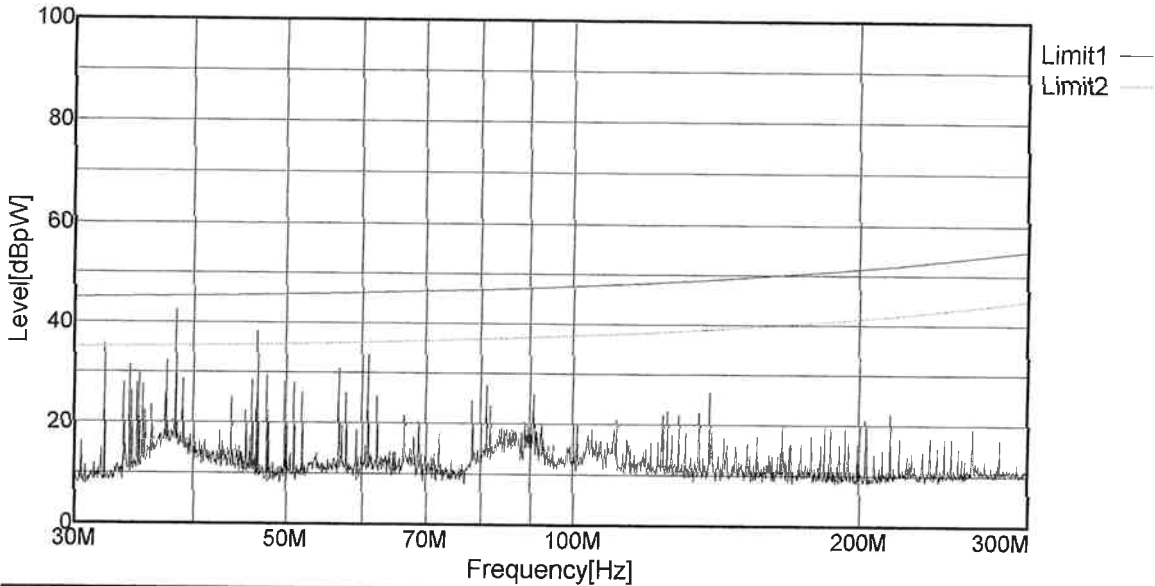


Frequency[MHz]	Level (QP)[dBpW]	Level (Av.)[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1 [dB]	Margin2 [dB]
35.558	4.0	0.3	265	45.2	35.2	41.2	34.9
36.040	8.7	3.8	315	45.2	35.2	36.6	31.5
36.603	8.8	4.0	470	45.3	35.3	36.5	31.3
37.286	14.6	8.7	16	45.3	35.3	30.7	26.6
38.514	6.4	2.3	433	45.3	35.3	38.9	33.1
41.132	6.9	2.5	9	45.4	35.4	38.5	32.9
42.017	4.8	1.2	213	45.5	35.5	40.7	34.3
42.375	6.5	2.4	257	45.5	35.5	39.0	33.1
43.015	8.7	4.5	340	45.5	35.5	36.8	31.0
47.956	4.9	0.6	93	45.7	35.7	40.8	35.1
52.130	3.2	-0.7	25	45.8	35.8	42.6	36.5
55.101	6.6	1.6	69	45.9	35.9	39.4	34.3
104.517	6.0	1.0	99	47.8	37.8	41.8	36.8

**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : PEAK  
 Bands : 4  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: SP REAR Lch  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 17:47

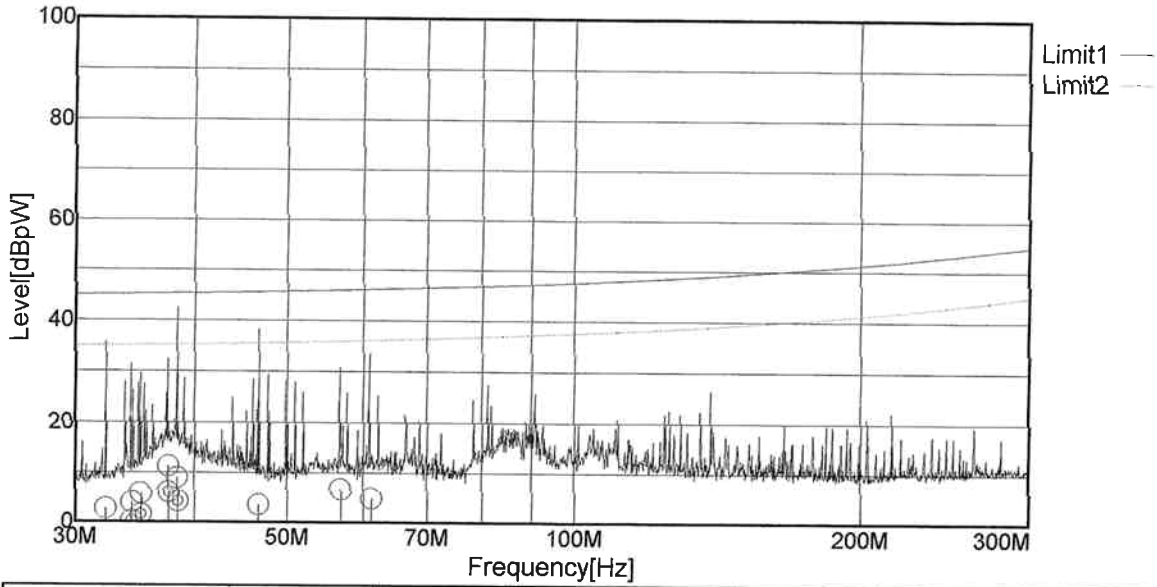


Frequency[MHz]	Level[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1[dB]	Margin2[dB]
32.289	35.8	0	45.1	35.1	9.3	▲0.7
33.778	27.8	0	45.2	35.2	17.3	7.3
34.289	31.2	0	45.2	35.2	13.9	3.9
34.444	26.2	0	45.2	35.2	19.0	9.0
34.933	27.8	0	45.2	35.2	17.4	7.4
35.111	29.6	0	45.2	35.2	15.6	5.6
35.422	27.5	0	45.2	35.2	17.8	7.8
36.156	23.3	0	45.3	35.3	22.0	12.0
37.400	25.7	0	45.3	35.3	19.6	9.6
37.489	32.3	0	45.3	35.3	13.0	3.0
38.400	42.4	0	45.3	35.3	2.9	▲7.1
39.022	28.6	0	45.4	35.4	16.8	6.8
43.822	24.9	0	45.5	35.5	20.7	10.7
46.022	28.4	0	45.6	35.6	17.2	7.2
46.689	38.2	0	45.6	35.6	7.5	▲2.6
47.756	29.3	0	45.7	35.7	16.4	6.4
49.800	28.1	0	45.8	35.8	17.6	7.6
50.944	27.9	0	45.8	35.8	17.9	7.9
51.944	26.0	0	45.8	35.8	19.9	9.9
56.722	30.8	0	46.0	36.0	15.2	5.2
57.722	25.8	0	46.0	36.0	20.2	10.2
60.833	33.6	0	46.2	36.2	12.6	2.6
62.222	25.3	0	46.2	36.2	20.9	10.9
81.167	27.5	0	46.9	36.9	19.4	9.4
90.833	25.8	0	47.3	37.3	21.5	11.5

**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : QP  
 Points : 8  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: SP REAR Lch  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 17:51



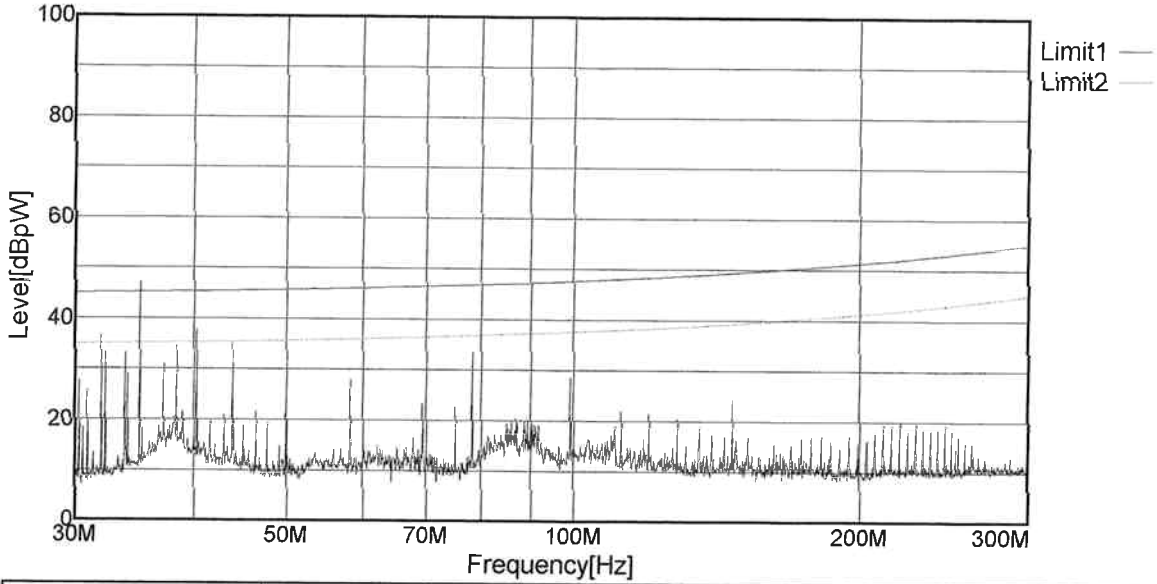
Frequency[MHz]	Level (QP)[dBpW]	Level (Av.)[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1 [dB]	Margin2 [dB]
32.295	2.7	-0.8	383	45.1	35.1	42.4	35.9
34.397	4.0	0.3	189	45.2	35.2	41.1	34.9
35.159	5.8	1.6	487	45.2	35.2	39.5	33.7
37.594	11.2	6.0	306	45.3	35.3	34.1	29.3
38.429	8.9	4.2	368	45.3	35.3	36.4	31.1
46.617	3.6	-0.2	306	45.6	35.6	42.0	35.9
56.856	6.7	-1.0	314	46.0	36.0	39.3	37.0
61.194	4.9	-0.2	225	46.2	36.2	41.3	36.4



NOISE POWER

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : PEAK  
 Bands : 4  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: SP REAR Rch  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 18:23

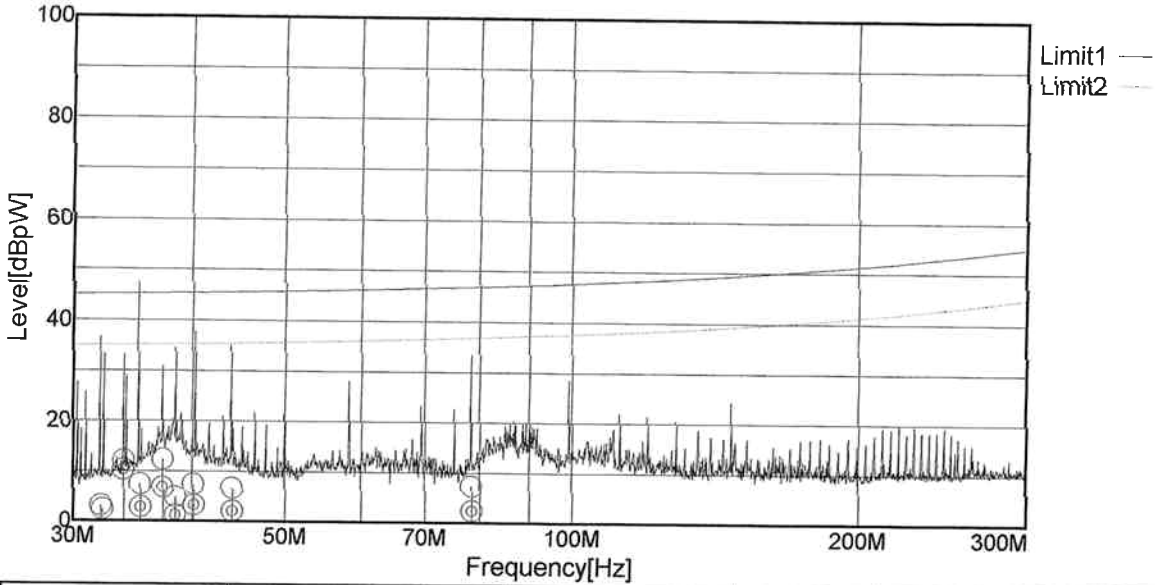


Frequency[MHz]	Level[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1[dB]	Margin2[dB]
30.311	27.6	0	45.0	35.0	17.4	7.4
30.933	25.7	0	45.0	35.0	19.4	9.4
32.000	36.7	0	45.1	35.1	8.4	▲1.6
32.311	33.2	0	45.1	35.1	11.9	1.9
33.844	33.2	0	45.2	35.2	12.0	2.0
34.044	28.9	0	45.2	35.2	16.3	6.3
35.089	47.4	0	45.2	35.2	▲2.2	▲12.2
37.222	30.8	0	45.3	35.3	14.5	4.5
38.444	34.5	0	45.3	35.3	10.9	0.9
40.244	37.7	0	45.4	35.4	7.7	▲2.3
43.911	35.1	0	45.5	35.5	10.5	0.5
46.444	21.6	0	45.6	35.6	24.0	14.0
58.278	28.0	0	46.1	36.1	18.1	8.1
69.333	23.2	0	46.5	36.5	23.2	13.2
75.167	22.7	0	46.7	36.7	24.0	14.0
78.222	33.5	0	46.8	36.8	13.3	3.3
99.278	28.6	0	47.6	37.6	19.0	9.0

**NOISE POWER**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : QP  
 Points : 9  
 Limit1: [EN 55013] (QP)

Op. Mode : CD(1kHz/0dB) vol:20  
 Measurement: SP REAR Rch  
 Operator : J.EBIHARA  
 Limit2: [EN 55013] (AV)  
 TEST EQUIP: ESAI  
 Date : 2009/9/29 18:27

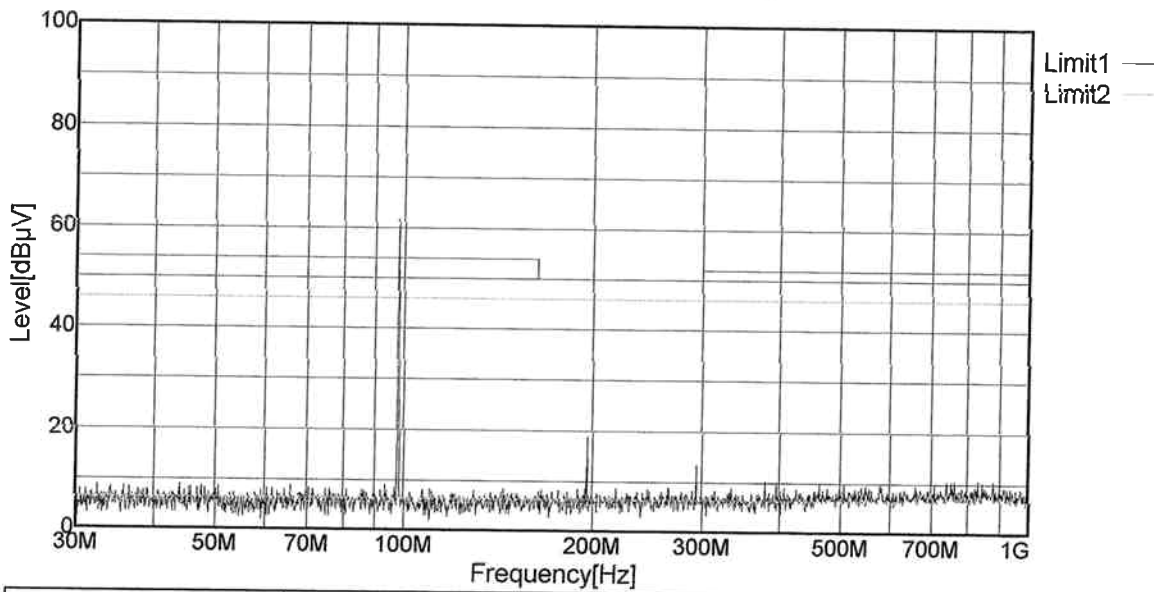


Frequency[MHz]	Level (QP)[dBpW]	Level (Av.)[dBpW]	Pos. [cm]	Limit1 [dBpW]	Limit2 [dBpW]	Margin1 [dB]	Margin2 [dB]
32.102	3.2	-0.4	174	45.1	35.1	41.9	35.5
32.221	2.4	-1.0	20	45.1	35.1	42.7	36.1
33.898	12.1	10.3	178	45.2	35.2	33.0	24.8
35.263	7.4	2.8	362	45.2	35.2	37.8	32.4
37.264	12.3	6.7	53	45.3	35.3	33.0	28.6
38.381	4.9	1.2	165	45.3	35.3	40.5	34.1
40.131	7.4	3.3	190	45.4	35.4	38.0	32.1
43.995	6.7	2.0	76	45.5	35.5	38.8	33.5
78.462	7.3	2.5	308	46.8	36.8	39.5	34.4

ANTENNA Term. Voltage

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : PEAK  
 Bands : 10  
 Limit1: [EN55013] FM(Local)  
 Limit2: [EN55013] FM(Other)

Op. Mode :  
 Comment :  
 Operator : J.EBIHARA  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 11:33  
 Local : 108.7MHz  
 Receive : 98MHz

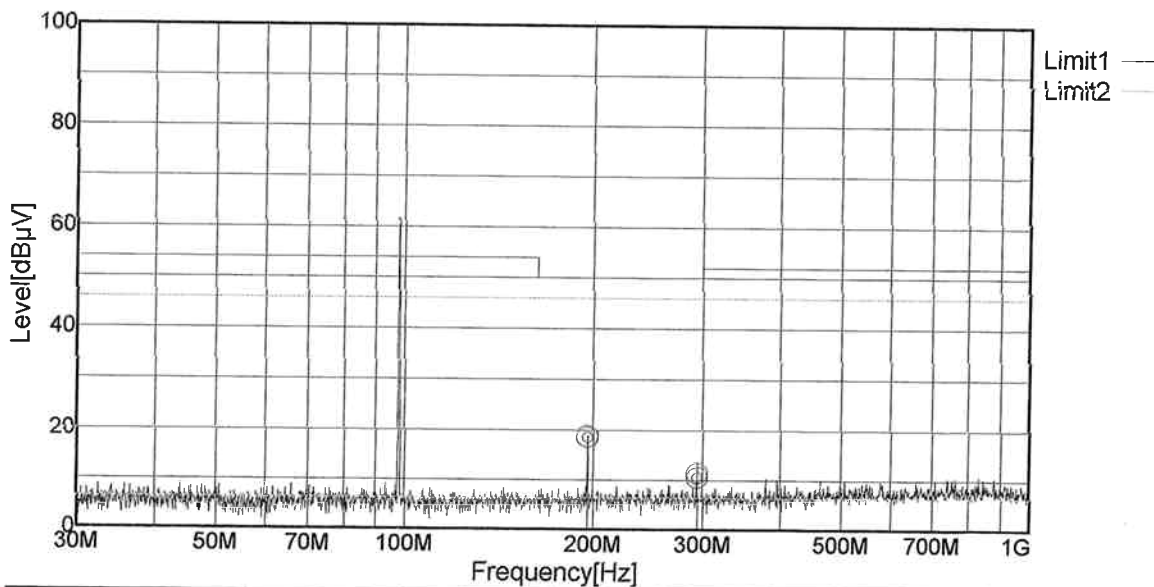


Frequency[MHz]	Level[dBµV]	Limit1[dBµV]	Limit2[dBµV]	Margin1[dB]	Margin2[dB]
98.000	61.6	54.0	46.0	▲7.6	▲15.6
196.222	18.7	50.0	46.0	31.3	27.3
294.111	13.3	50.0	46.0	36.7	32.7
1178.333	38.9	52.0	46.0	13.1	7.1

ANTENNA Term. Voltage

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : QP  
 Points : 2  
 Limit1: [EN55013] FM(Local)  
 Limit2: [EN55013] FM(Other)

Op. Mode :  
 Comment :  
 Operator : J.EBIHARA  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 11:35  
 Local : 108.7MHz  
 Receive : 98MHz

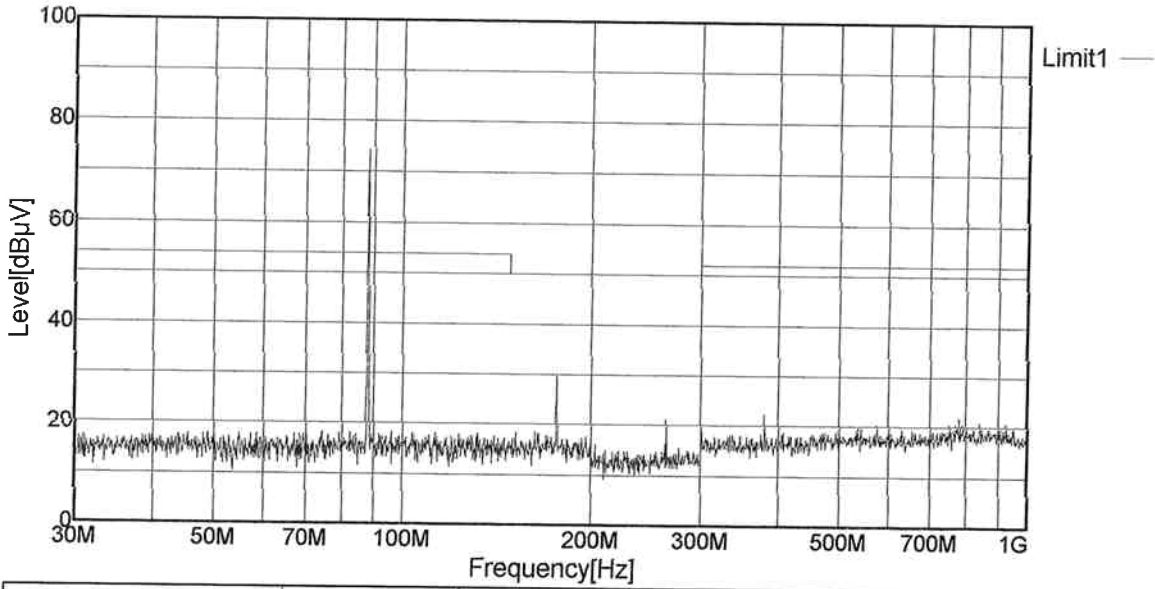


Frequency[MHz]	Level[dBµV]	Level (Av.)[dBµV]	Limit1 [dBµV]	Limit2 [dBµV]	Margin1[dB]	Margin2[dB]
195.982	18.8	18.6	50.0	46.0	31.2	27.5
293.961	11.3	10.5	50.0	46.0	38.7	35.5

ANTENNA Term. Voltage

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : PEAK  
 Bands : 9  
 Limit1: [EN55013] FM(Local)

Op. Mode :  
 Comment :  
 Operator : J.EBIHARA  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 11:22  
 Local : 98.7MHz  
 Receive : 88MHz

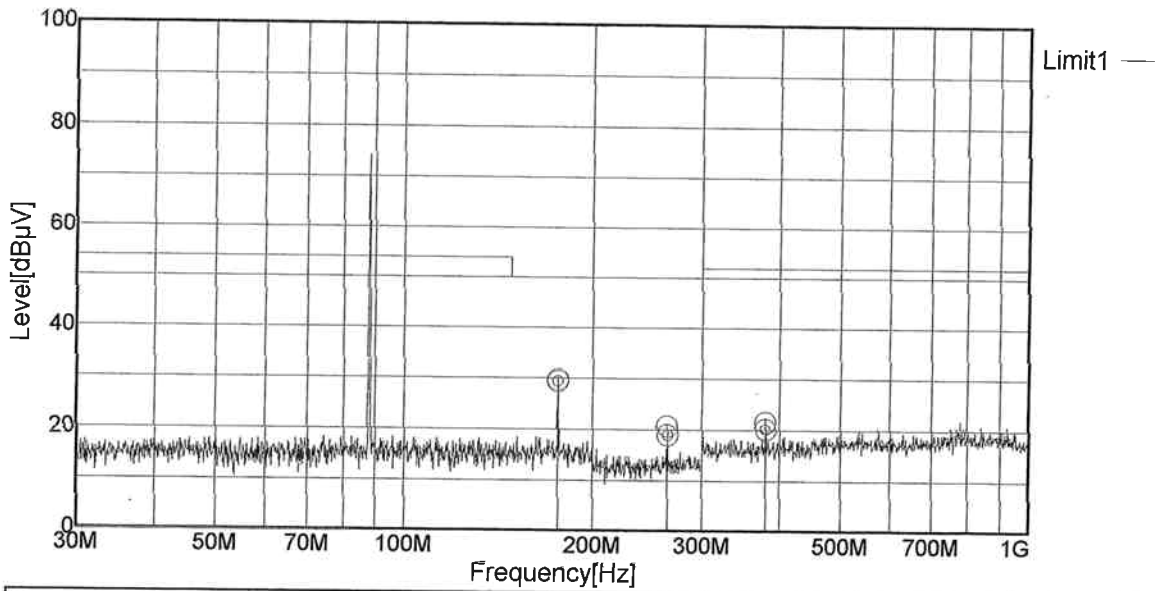


Frequency[MHz]	Level[dBμV]	Limit1[dBμV]	Limit2[dBμV]	Margin1[dB]	Margin2[dB]
88.056	74.2	54.0	46.0	▲20.2	▲28.2
176.111	30.1	50.0	46.0	19.9	15.9
264.111	21.1	50.0	46.0	28.9	24.9
379.733	22.3	52.0	46.0	29.7	23.7

**ANTENNA Term. Voltage**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : QP  
 Points : 3  
 Limit1: [EN55013] FM(Local)

Op. Mode :  
 Comment :  
 Operator : J.EBIHARA  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 11:25  
 Local : 98.7MHz  
 Receive : 88MHz

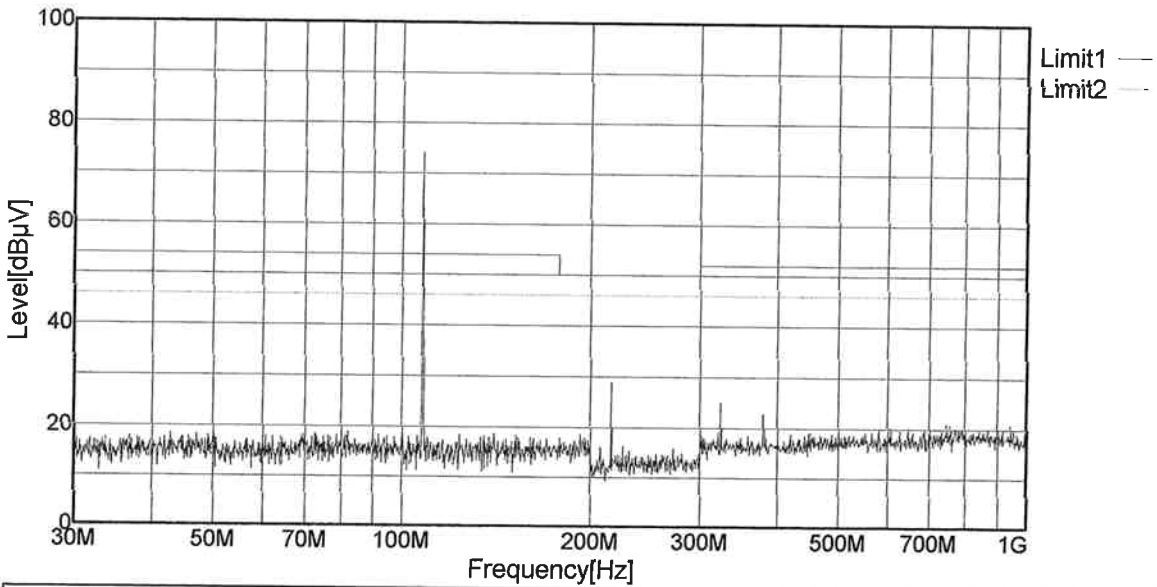


Frequency[MHz]	Level[dBµV]	Level (Av.)[dBµV]	Limit1 [dBµV]	Limit2 [dBµV]	Margin1[dB]	Margin2[dB]
379.589	21.5	20.1	52.0	46.0	30.5	25.9
263.991	20.7	19.0	50.0	46.0	29.4	27.1
175.991	29.7	29.4	50.0	46.0	20.3	16.6

ANTENNA Term. Voltage

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : PEAK  
 Bands : 9  
 Limit1: [EN55013] FM(Local)  
 Limit2: [EN55013] FM(Other)

Op. Mode :  
 Comment :  
 Operator : J.EBIHARA  
 TEST EQUIP : ESAI  
 Date : 2009/9/29 11:27  
 Local : 118.7MHz  
 Receive : 108MHz

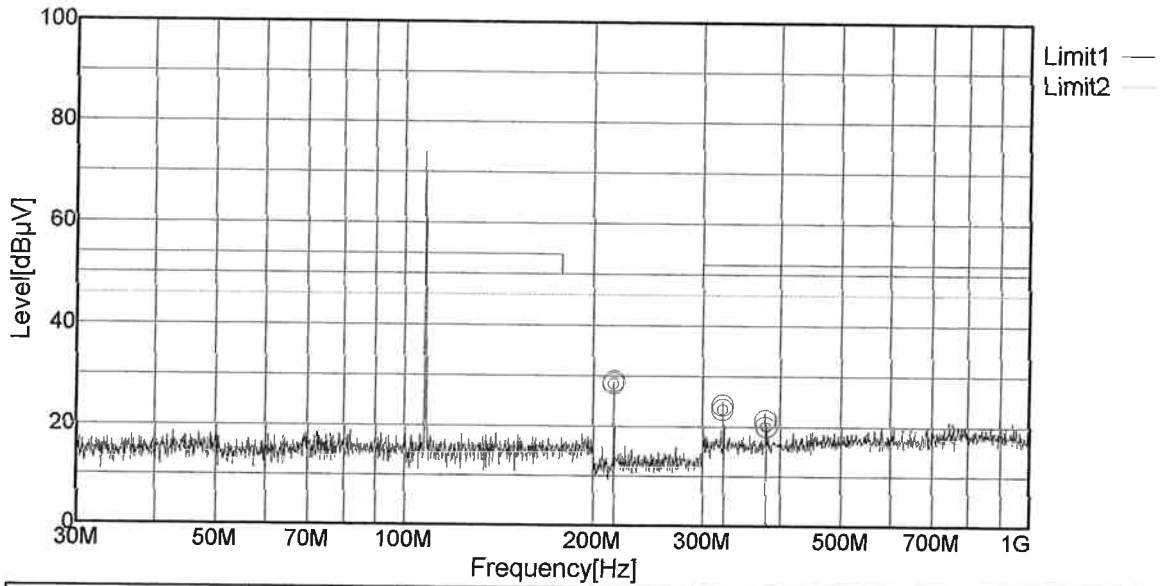


Frequency[MHz]	Level[dBµV]	Limit1[dBµV]	Limit2[dBµV]	Margin1[dB]	Margin2[dB]
107.889	74.0	54.0	46.0	▲20.0	▲28.0
216.000	28.8	50.0	46.0	21.2	17.2
324.000	25.0	52.0	46.0	27.0	21.0
379.733	22.7	52.0	46.0	29.3	23.3

**ANTENNA Term. Voltage**

Model Name : 10 TDF ENTRY AUX  
 Model No. : KDC-3047A  
 Serial No. : PPE00002  
 Temp. / POW: 25 deg C / 14.4V  
 Detector : QP  
 Points : 3  
 Limit1: [EN55013] FM(Local)  
 Limit2: [EN55013] FM(Other)

Op. Mode :  
 Comment :  
 Operator : J.EBIHARA  
 TEST EQUIP: ESAI  
 Date : 2009/9/29 11:30  
 Local : 118.7MHz  
 Receive : 108MHz



Frequency [MHz]	Level [dBµV]	Level (Av.) [dBµV]	Limit1 [dBµV]	Limit2 [dBµV]	Margin1 [dB]	Margin2 [dB]
215.970	29.0	28.6	50.0	46.0	21.1	17.4
323.964	24.4	23.5	52.0	46.0	27.6	22.5
379.553	21.4	20.0	52.0	46.0	30.6	26.0



# TEST REPORT

Electromagnetic Immunity

Equipment under test	: KDC-3047A		
Standard	: EN55020:2007		
Measurements	: Input immunity(S1)		Page 2
	: Immunity to conducted currents(S2b)		38
	: Electrostatic discharge		56
Test Result	: Pass		
Test facility	: Shielded enclosure and semi-anechoic chamber at Car Electronics Division, KENWOOD corporation		
Instrumentation	: RF generator	Rohde & Schwarz	SMG
	AF generator	Rohde & Schwarz	SMG-B2
	AF generator	Rohde & Schwarz	UPA-B6
	Splitter	Ind. Electronics	ZFSC-2-4
	RF switch	Rohde & Schwarz	PSU
	RF amplifier	ENI	325LA
	Audio analyzer	Rohde & Schwarz	UPA
	RF volt meter	Rohde & Schwarz	URV5
	RF level meter	Rohde & Schwarz	URV35
	Power divider	Kyoritsu D.K.	AUF 1603
	Electrostatic discharge Simulator	KIKUSUI	KES4021

Tokyo, 30 November, 2009

Reviewed by



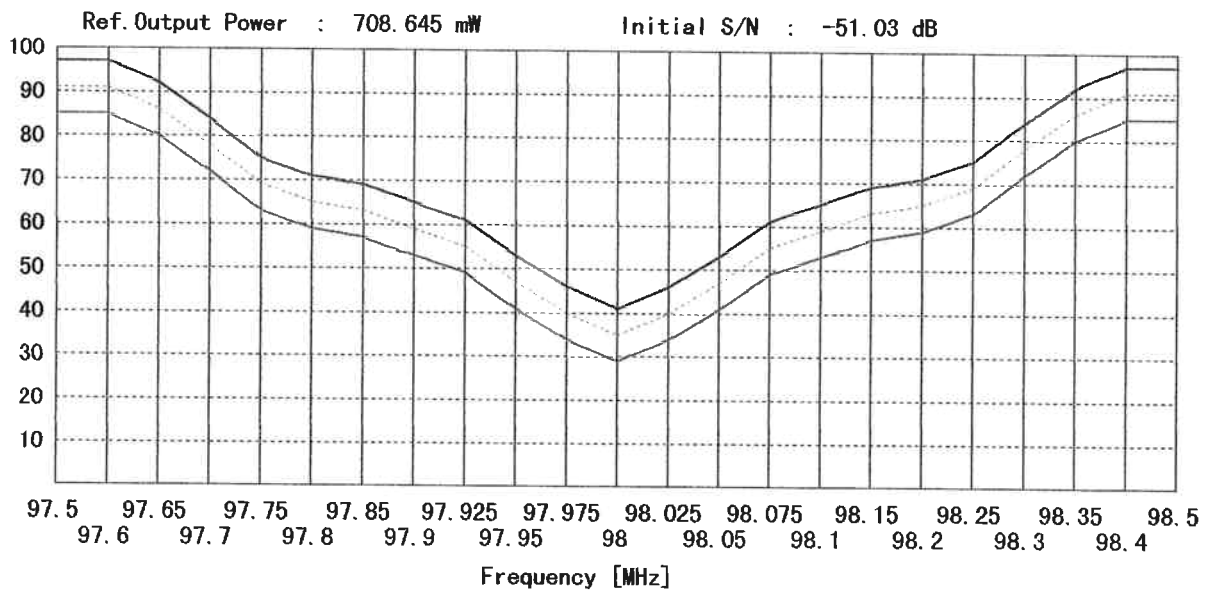
Norio Iwashita, Group Manager  
Safety and Environment Group  
Technology Development Div.

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 10:55

Trade Mark	: KENWOOD	Specification	: -
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

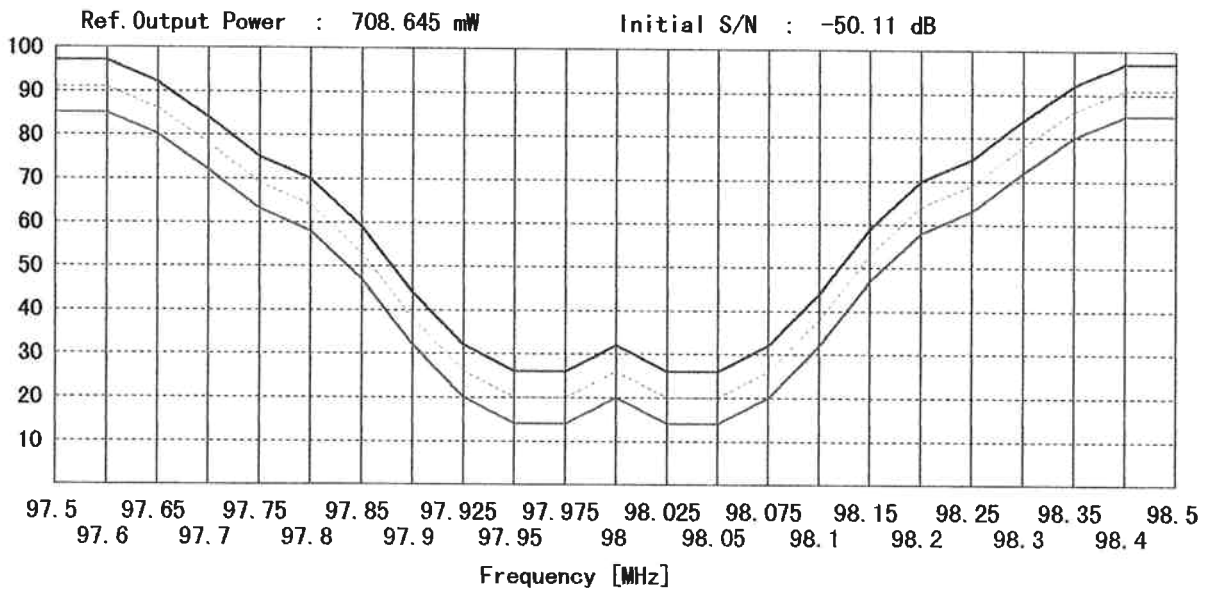
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	71.0	59.0	12.0
97.850	69.0	57.0	12.0
97.900	65.0	53.0	12.0
97.925	61.0	49.0	12.0
97.950	53.0	41.0	12.0
97.975	46.0	34.0	12.0
98.000	41.0	29.0	12.0
98.025	46.0	34.0	12.0
98.050	53.0	41.0	12.0
98.075	61.0	49.0	12.0
98.100	65.0	53.0	12.0
98.150	69.0	57.0	12.0
98.200	71.0	59.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 10:56

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

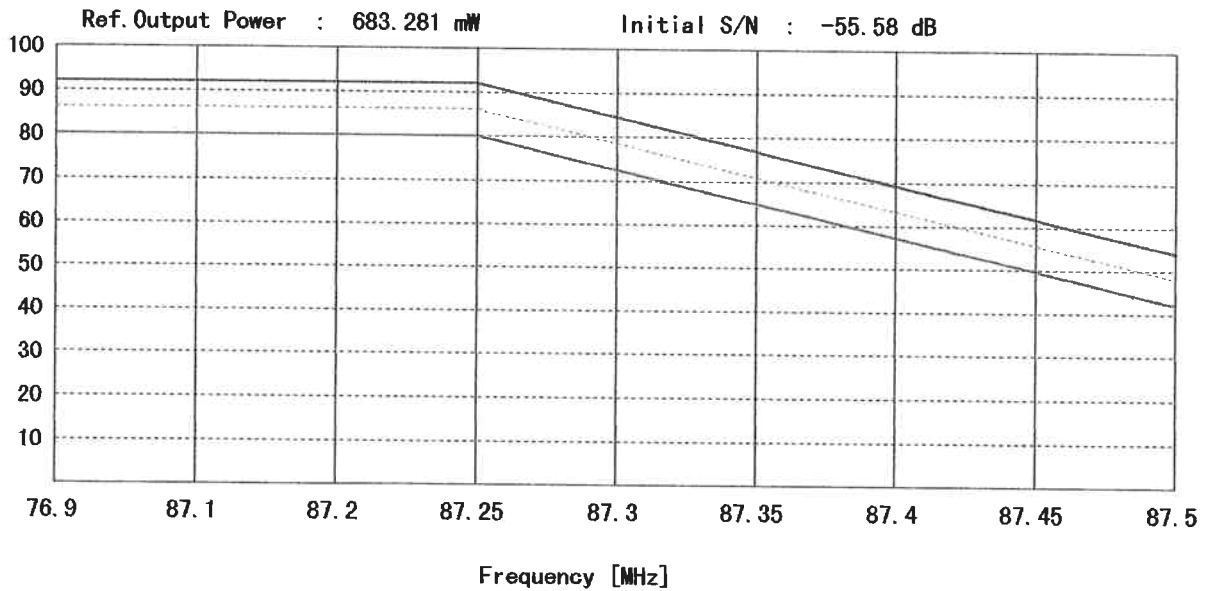
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	70.0	58.0	12.0
97.850	59.0	47.0	12.0
97.900	44.0	32.0	12.0
97.925	32.0	20.0	12.0
97.950	26.0	14.0	12.0
97.975	26.0	14.0	12.0
98.000	32.0	20.0	12.0
98.025	26.0	14.0	12.0
98.050	26.0	14.0	12.0
98.075	32.0	20.0	12.0
98.100	44.0	32.0	12.0
98.150	59.0	47.0	12.0
98.200	70.0	58.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 10:49

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

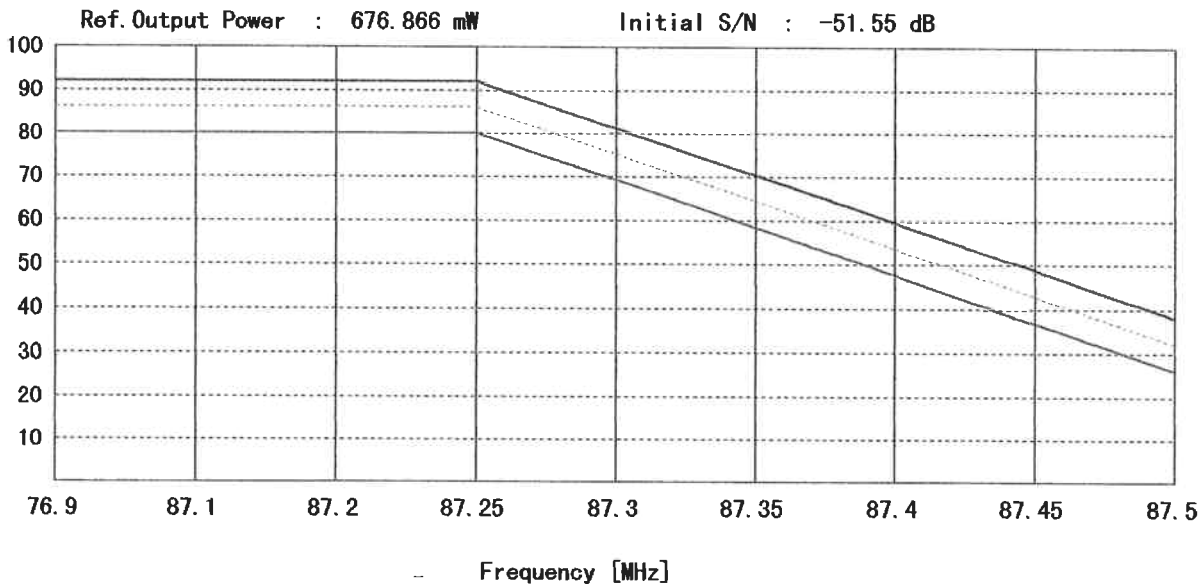
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
77.100	92.0	80.0	12.0
77.200	92.0	80.0	12.0
77.250	92.0	80.0	12.0
77.300	84.4	72.4	12.0
77.350	76.8	64.8	12.0
77.400	69.2	57.2	12.0
77.450	61.6	49.6	12.0
77.500	54.0	42.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 10:51

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J.EBIHARA
Memo	: FRONT vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

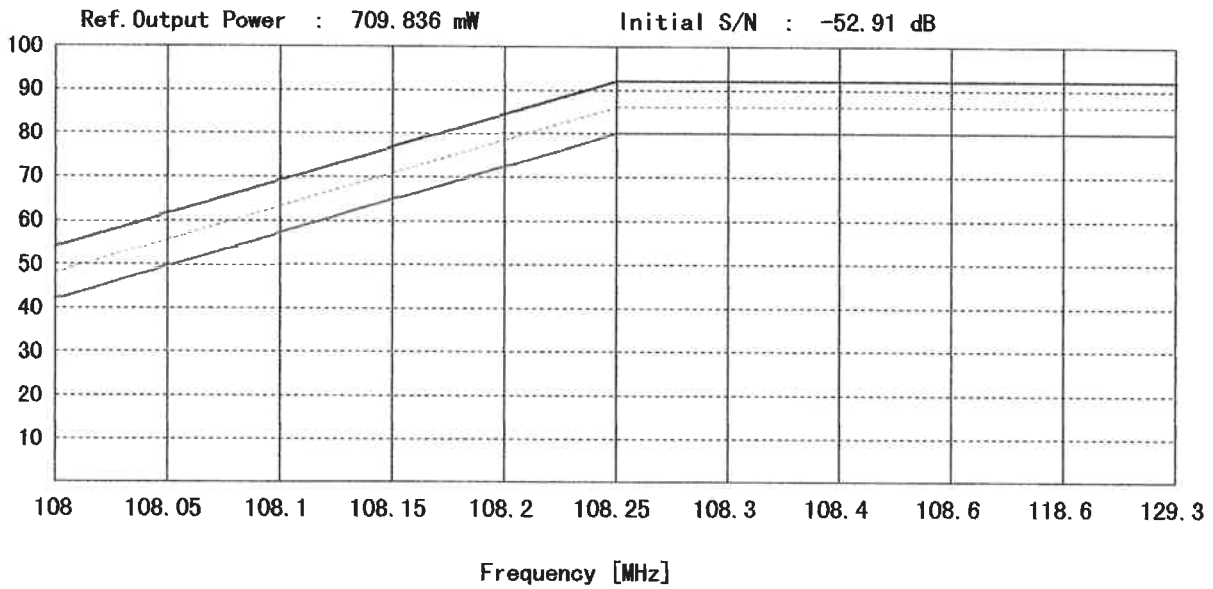
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
87.100	92.0	80.0	12.0
87.200	92.0	80.0	12.0
87.250	92.0	80.0	12.0
87.300	81.2	69.2	12.0
87.350	70.4	58.4	12.0
87.400	59.6	47.6	12.0
87.450	48.8	36.8	12.0
87.500	38.0	26.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 10:53

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

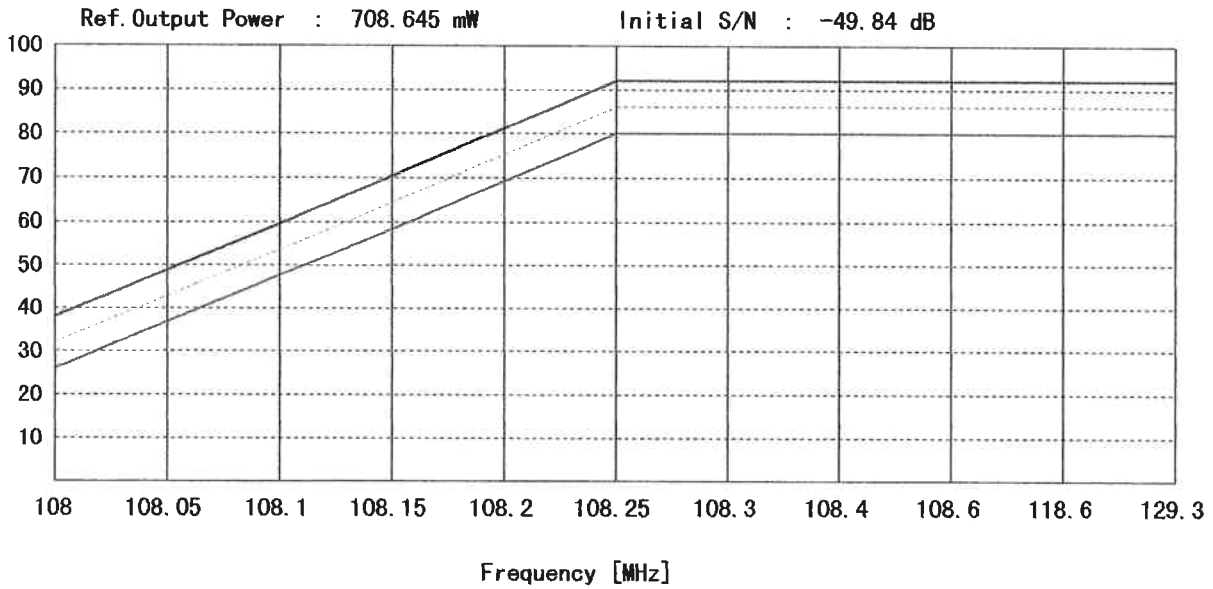
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	54.0	42.0	12.0
108.050	61.6	49.6	12.0
108.100	69.2	57.2	12.0
108.150	76.8	64.8	12.0
108.200	84.4	72.4	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 10:54

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

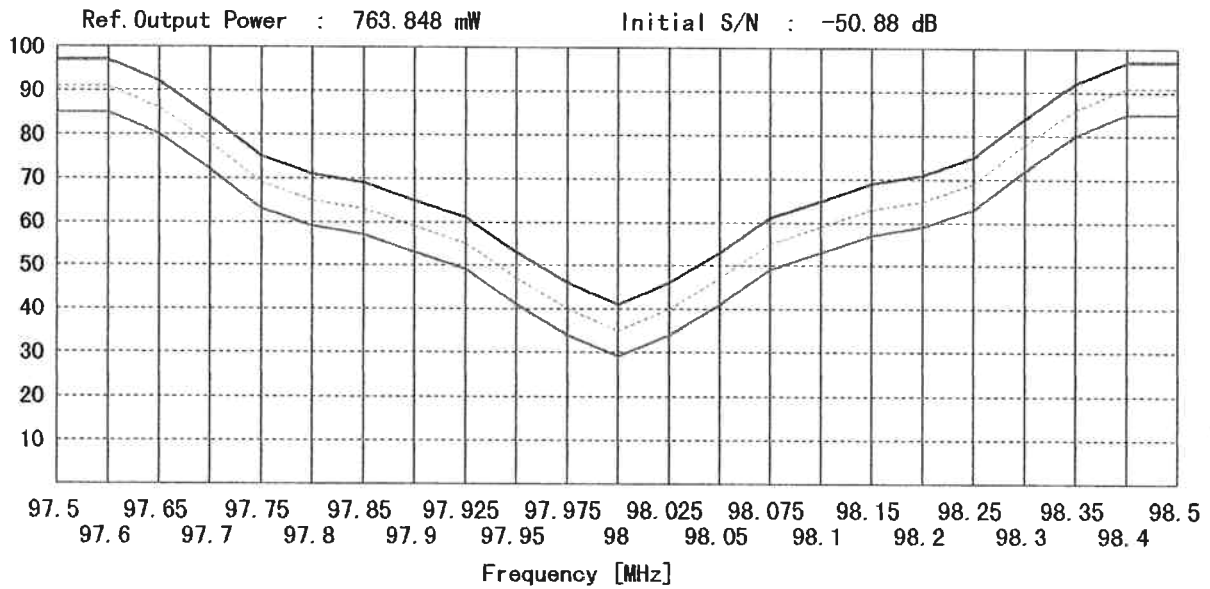
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	38.0	26.0	12.0
108.050	48.8	36.8	12.0
108.100	59.6	47.6	12.0
108.150	70.4	58.4	12.0
108.200	81.2	69.2	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:02

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	71.0	59.0	12.0
97.850	69.0	57.0	12.0
97.900	65.0	53.0	12.0
97.925	61.0	49.0	12.0
97.950	53.0	41.0	12.0
97.975	46.0	34.0	12.0
98.000	41.0	29.0	12.0
98.025	46.0	34.0	12.0
98.050	53.0	41.0	12.0
98.075	61.0	49.0	12.0
98.100	65.0	53.0	12.0
98.150	69.0	57.0	12.0
98.200	71.0	59.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

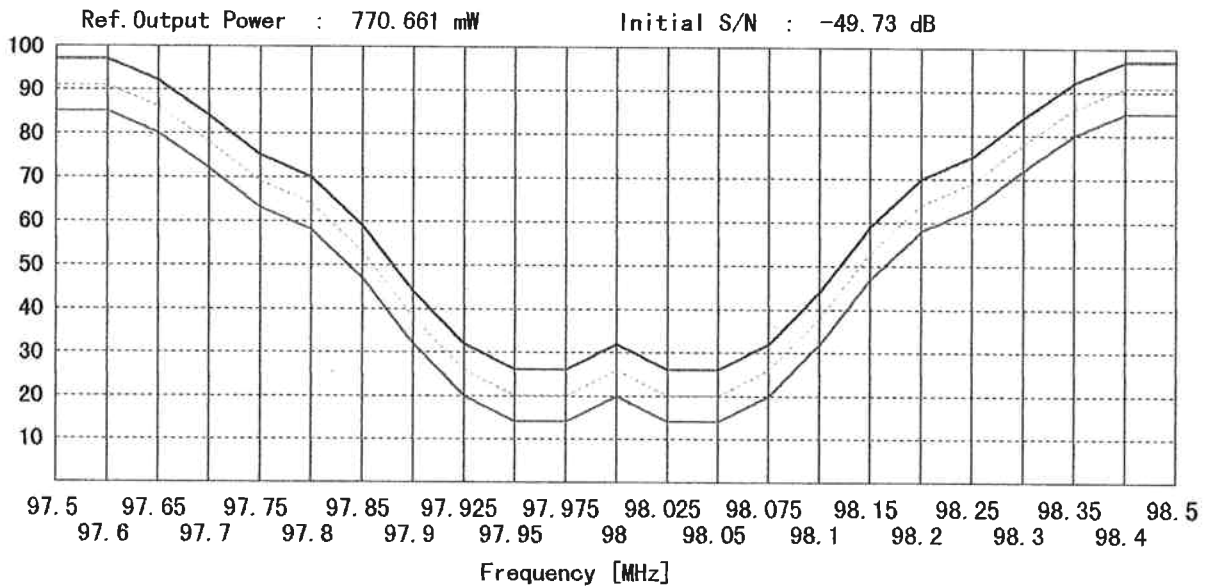


# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:03

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

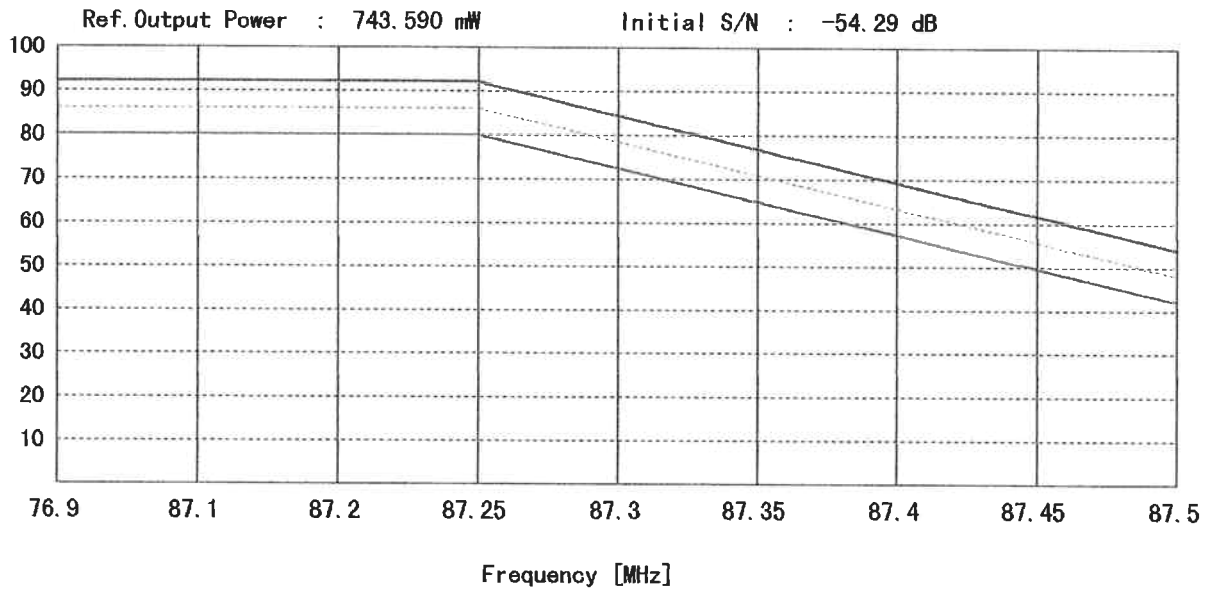
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	70.0	58.0	12.0
97.850	59.0	47.0	12.0
97.900	44.0	32.0	12.0
97.925	32.0	20.0	12.0
97.950	26.0	14.0	12.0
97.975	26.0	14.0	12.0
98.000	32.0	20.0	12.0
98.025	26.0	14.0	12.0
98.050	26.0	14.0	12.0
98.075	32.0	20.0	12.0
98.100	44.0	32.0	12.0
98.150	59.0	47.0	12.0
98.200	70.0	58.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 10:58

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

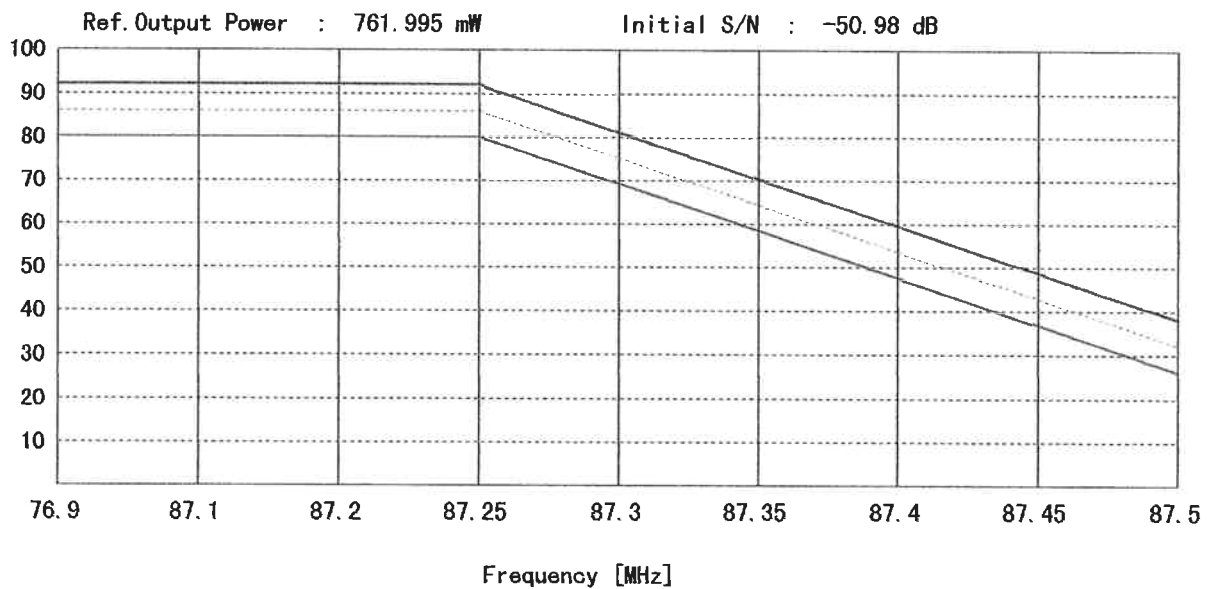
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
77.100	92.0	80.0	12.0
77.200	92.0	80.0	12.0
77.250	92.0	80.0	12.0
77.300	84.4	72.4	12.0
77.350	76.8	64.8	12.0
77.400	69.2	57.2	12.0
77.450	61.6	49.6	12.0
77.500	54.0	42.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 10:59

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

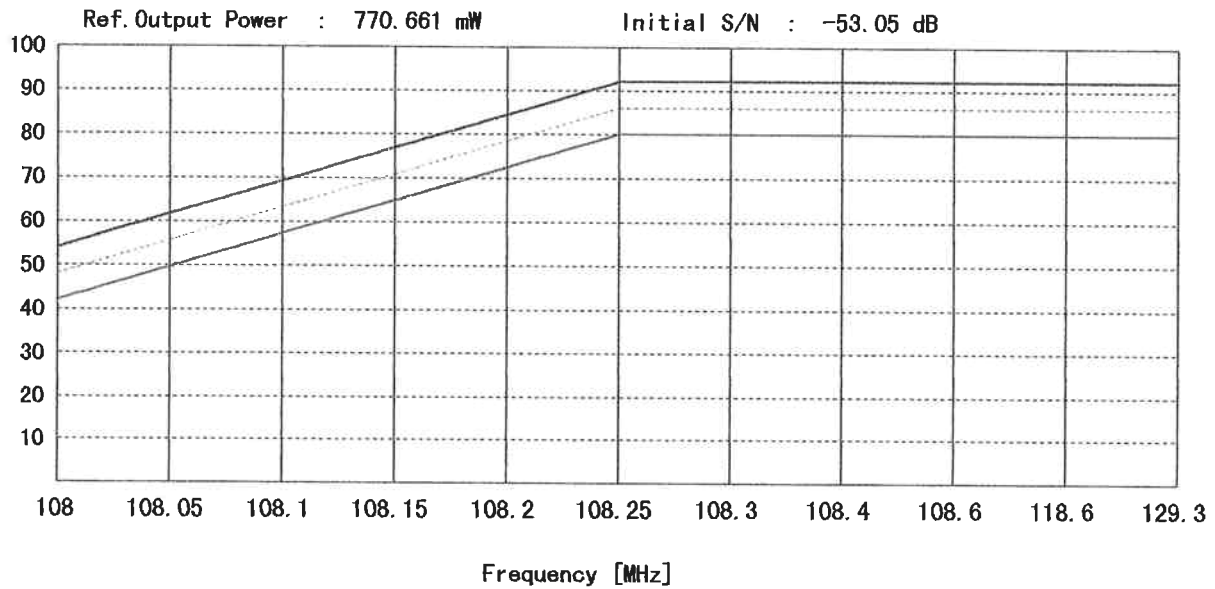
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
87.100	92.0	80.0	12.0
87.200	92.0	80.0	12.0
87.250	92.0	80.0	12.0
87.300	81.2	69.2	12.0
87.350	70.4	58.4	12.0
87.400	59.6	47.6	12.0
87.450	48.8	36.8	12.0
87.500	38.0	26.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:00

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

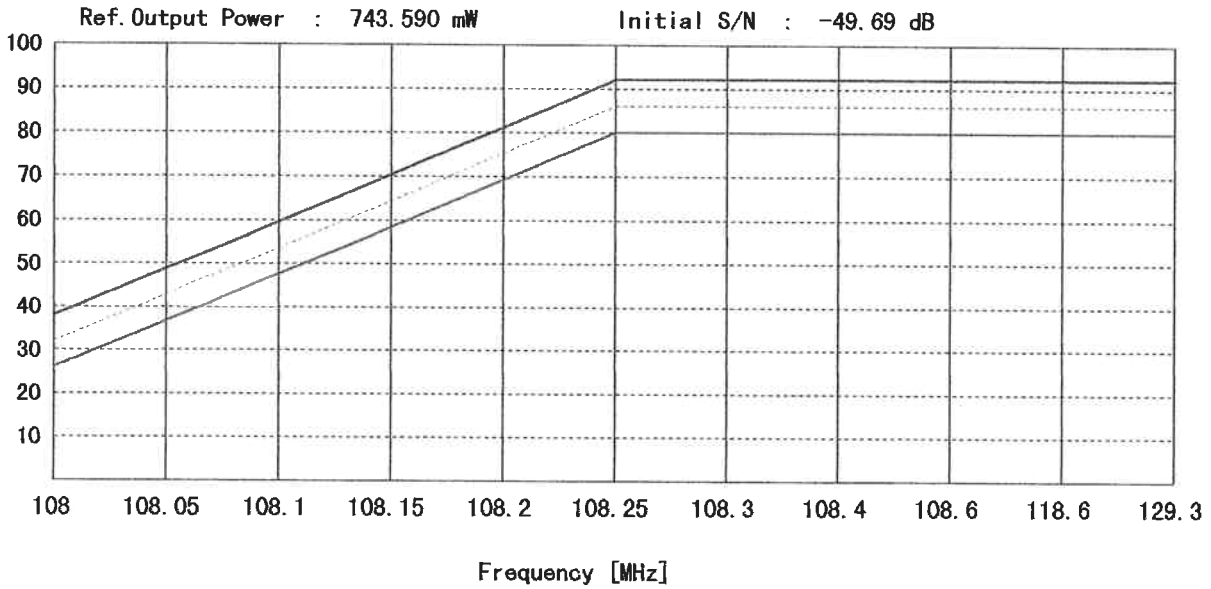
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	54.0	42.0	12.0
108.050	61.6	49.6	12.0
108.100	69.2	57.2	12.0
108.150	76.8	64.8	12.0
108.200	84.4	72.4	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:00

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

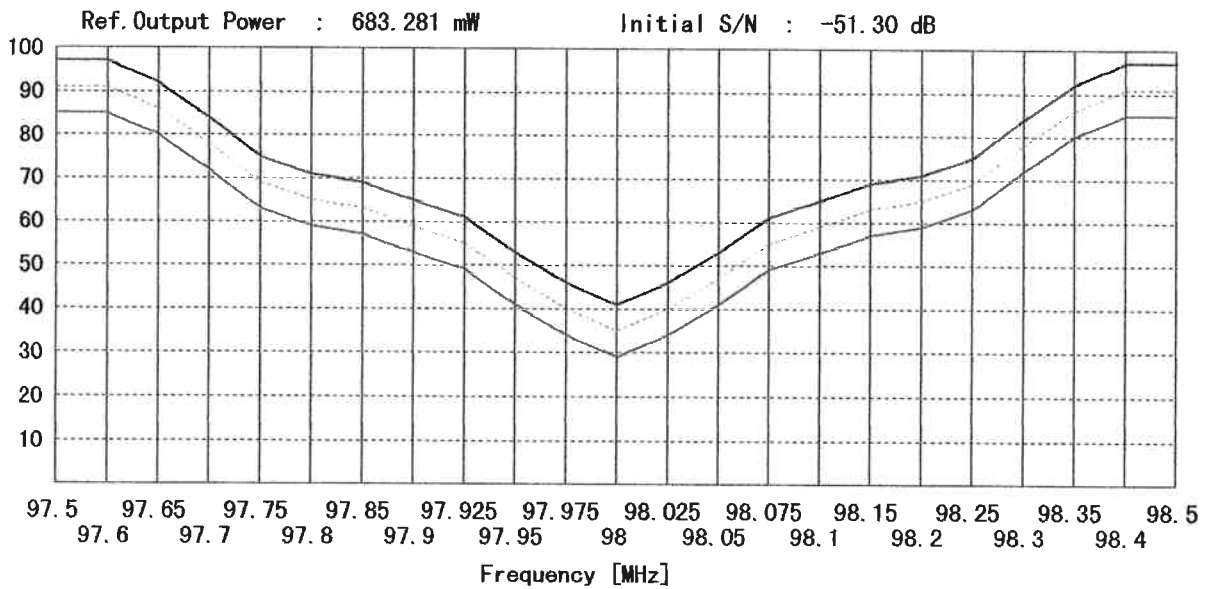
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	38.0	26.0	12.0
108.050	48.8	36.8	12.0
108.100	59.6	47.6	12.0
108.150	70.4	58.4	12.0
108.200	81.2	69.2	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:08

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBHARA
Memo	: REAR vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

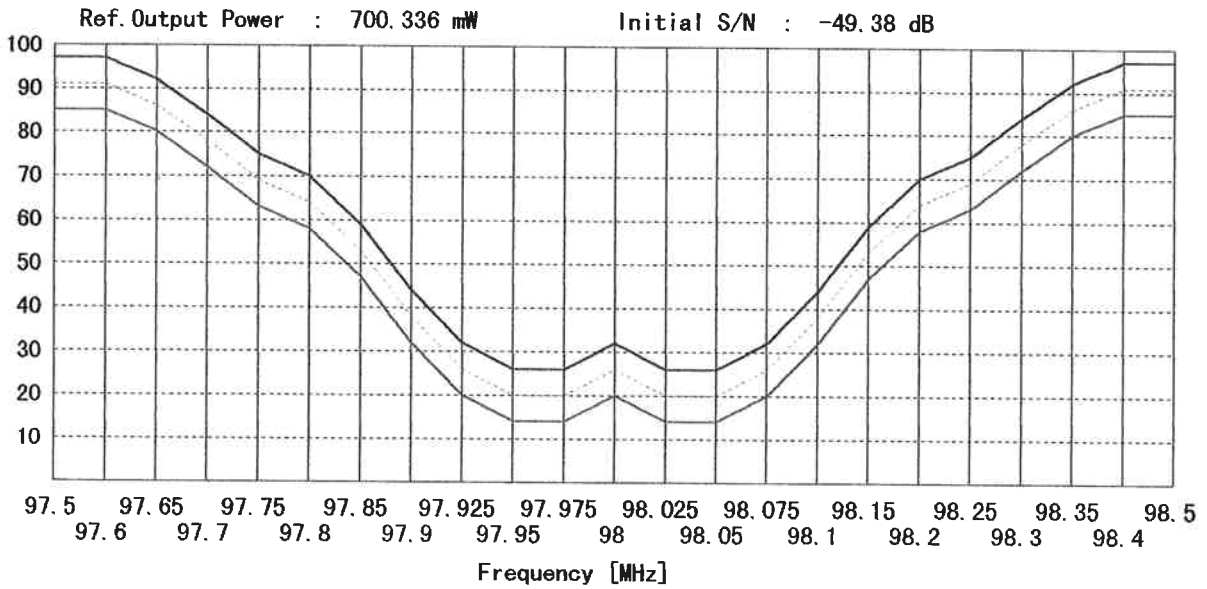
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	71.0	59.0	12.0
97.850	69.0	57.0	12.0
97.900	65.0	53.0	12.0
97.925	61.0	49.0	12.0
97.950	53.0	41.0	12.0
97.975	46.0	34.0	12.0
98.000	41.0	29.0	12.0
98.025	46.0	34.0	12.0
98.050	53.0	41.0	12.0
98.075	61.0	49.0	12.0
98.100	65.0	53.0	12.0
98.150	69.0	57.0	12.0
98.200	71.0	59.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:09

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: REAR vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

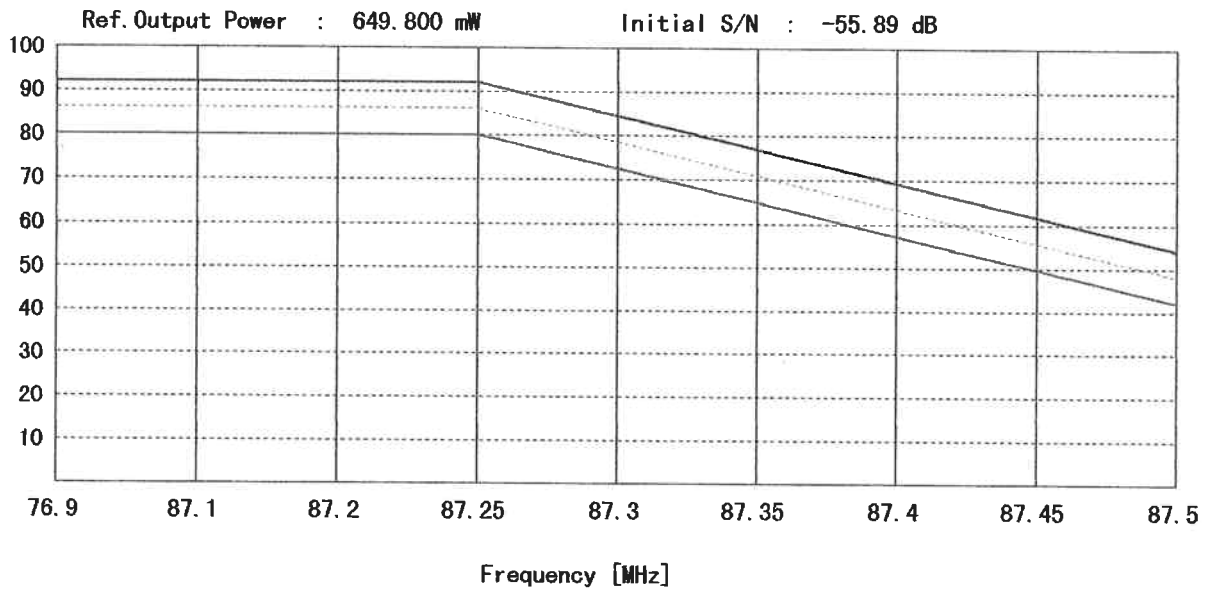
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	70.0	58.0	12.0
97.850	59.0	47.0	12.0
97.900	44.0	32.0	12.0
97.925	32.0	20.0	12.0
97.950	26.0	14.0	12.0
97.975	26.0	14.0	12.0
98.000	32.0	20.0	12.0
98.025	26.0	14.0	12.0
98.050	26.0	14.0	12.0
98.075	32.0	20.0	12.0
98.100	44.0	32.0	12.0
98.150	59.0	47.0	12.0
98.200	70.0	58.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:04

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: REAR vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
87.100	92.0	80.0	12.0
87.200	92.0	80.0	12.0
87.250	92.0	80.0	12.0
87.300	84.4	72.4	12.0
87.350	76.8	64.8	12.0
87.400	69.2	57.2	12.0
87.450	61.6	49.6	12.0
87.500	54.0	42.0	12.0

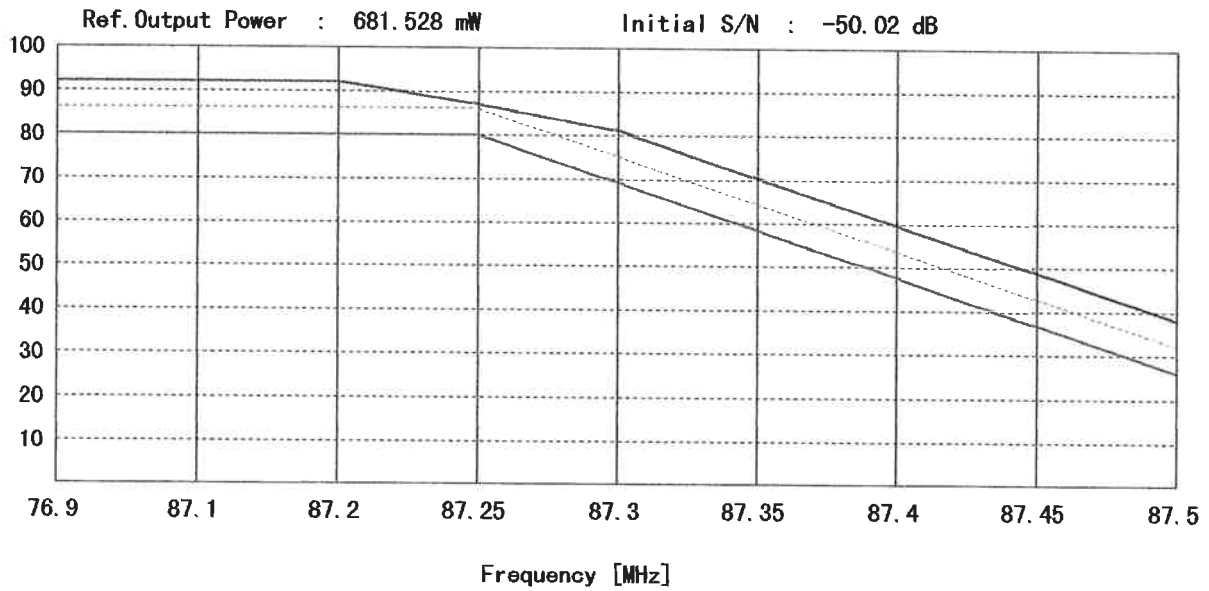


# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:05

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: REAR vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

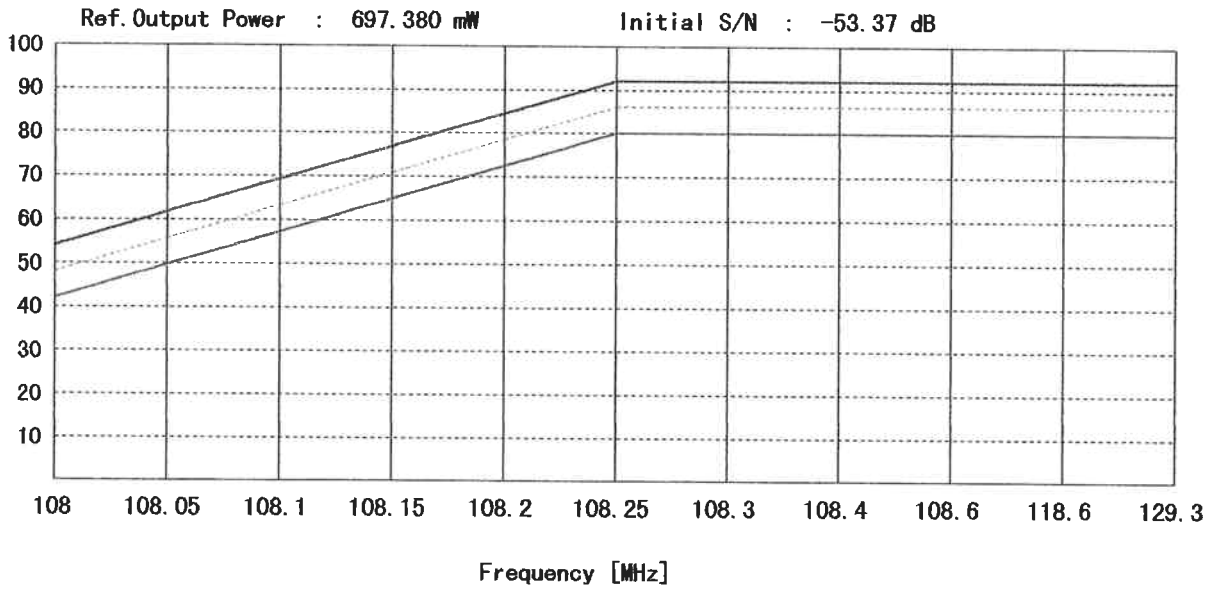
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
87.100	92.0	80.0	12.0
87.200	92.0	80.0	12.0
87.250	87.2	80.0	7.2
87.300	81.2	69.2	12.0
87.350	70.4	58.4	12.0
87.400	59.6	47.6	12.0
87.450	48.8	36.8	12.0
87.500	38.0	26.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:06

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBHARA
Memo	: REAR vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

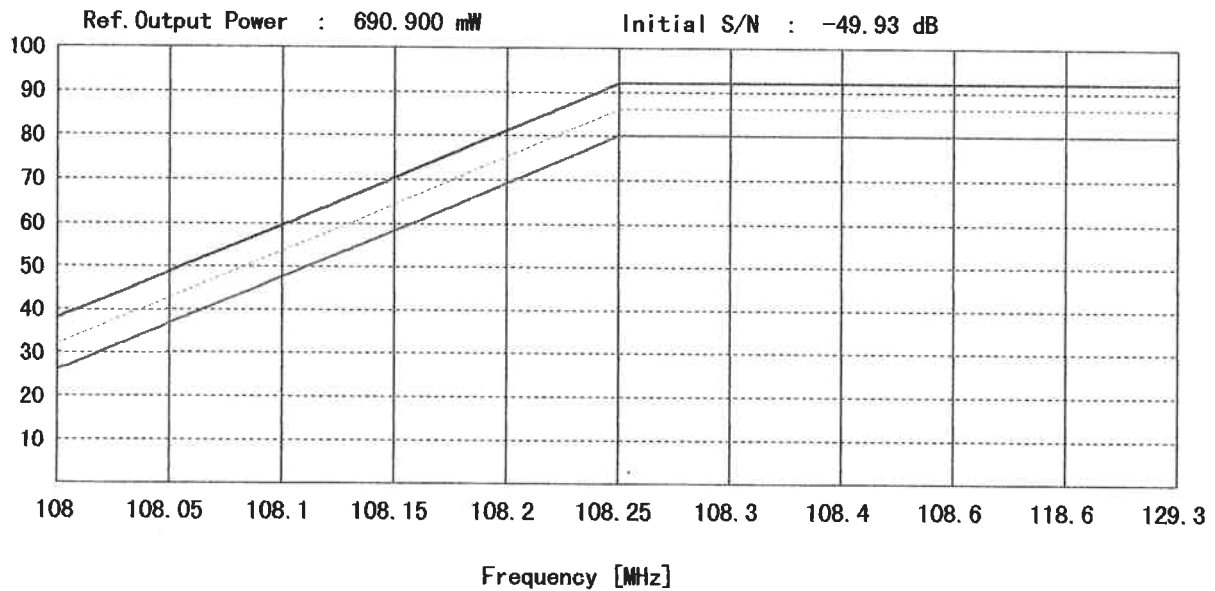
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	54.0	42.0	12.0
108.050	61.6	49.6	12.0
108.100	69.2	57.2	12.0
108.150	76.8	64.8	12.0
108.200	84.4	72.4	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:07

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBHARA
Memo	: REAR vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

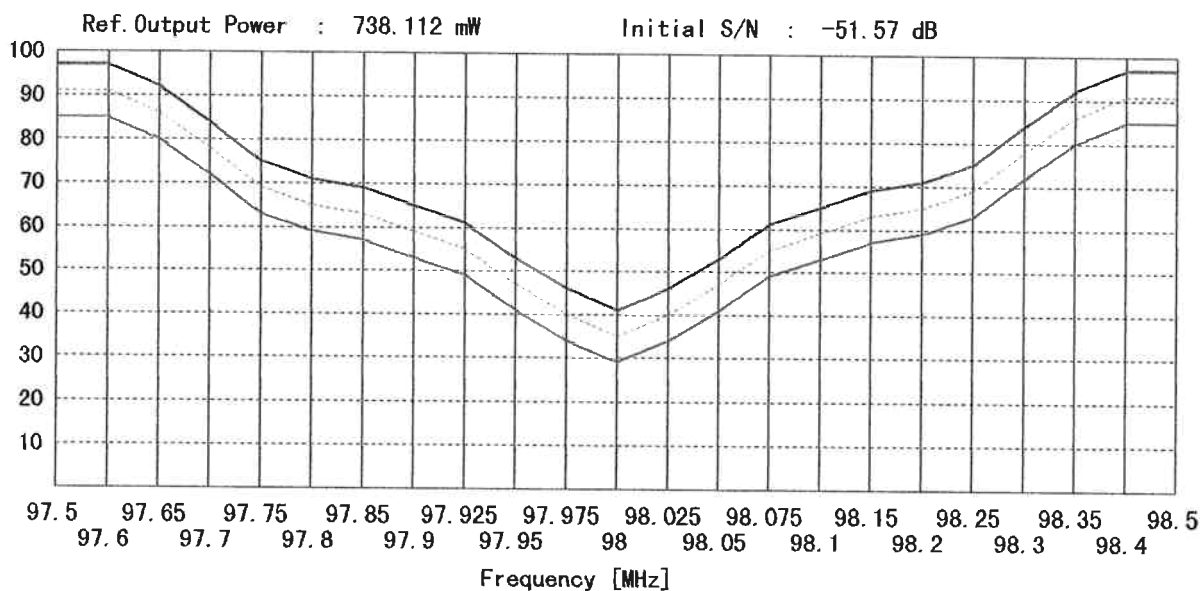
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	38.0	26.0	12.0
108.050	48.8	36.8	12.0
108.100	59.6	47.6	12.0
108.150	70.4	58.4	12.0
108.200	81.2	69.2	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:14

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: REAR vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

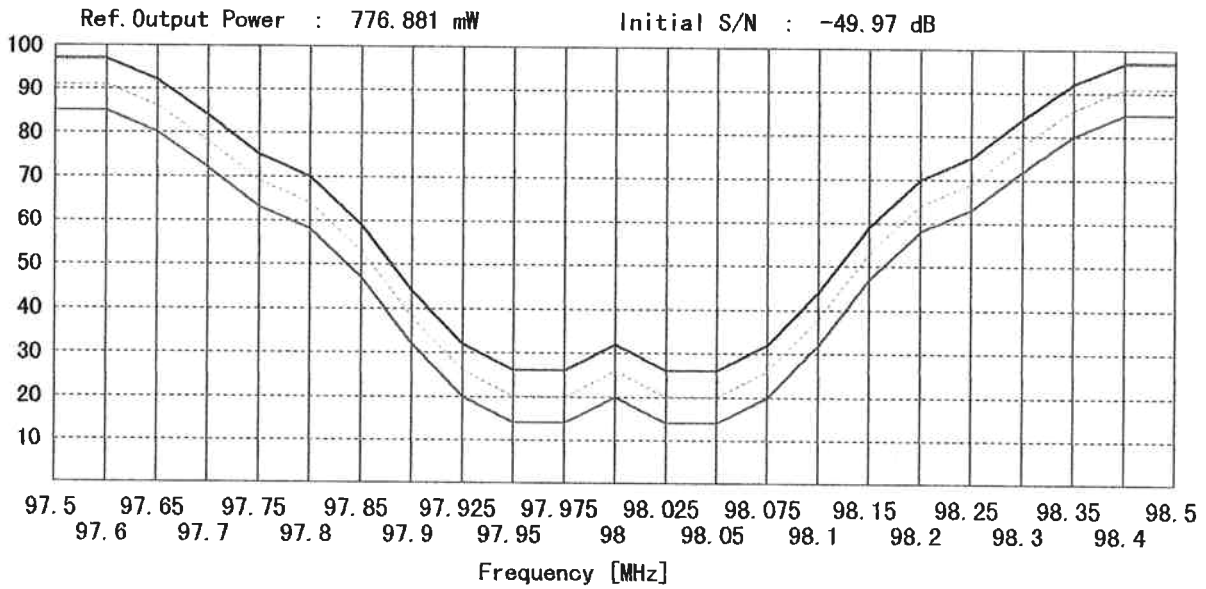
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	71.0	59.0	12.0
97.850	69.0	57.0	12.0
97.900	65.0	53.0	12.0
97.925	61.0	49.0	12.0
97.950	53.0	41.0	12.0
97.975	46.0	34.0	12.0
98.000	41.0	29.0	12.0
98.025	46.0	34.0	12.0
98.050	53.0	41.0	12.0
98.075	61.0	49.0	12.0
98.100	65.0	53.0	12.0
98.150	69.0	57.0	12.0
98.200	71.0	59.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:16

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: REAR vol:24		
Operation Mode	: FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

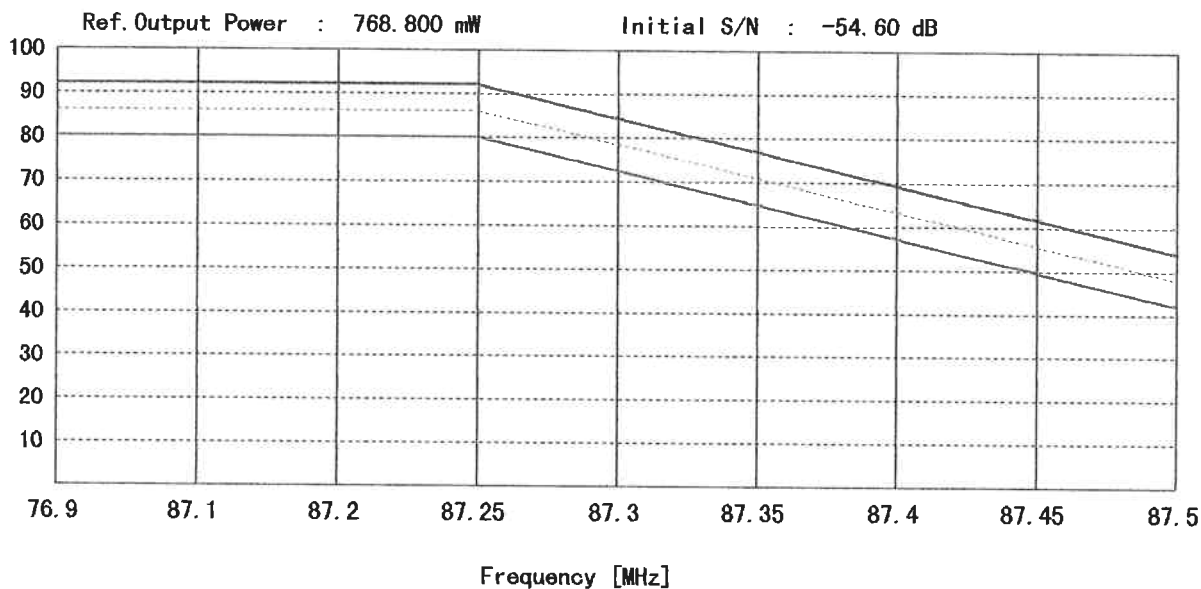
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	70.0	58.0	12.0
97.850	59.0	47.0	12.0
97.900	44.0	32.0	12.0
97.925	32.0	20.0	12.0
97.950	26.0	14.0	12.0
97.975	26.0	14.0	12.0
98.000	32.0	20.0	12.0
98.025	26.0	14.0	12.0
98.050	26.0	14.0	12.0
98.075	32.0	20.0	12.0
98.100	44.0	32.0	12.0
98.150	59.0	47.0	12.0
98.200	70.0	58.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:10

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: REAR vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

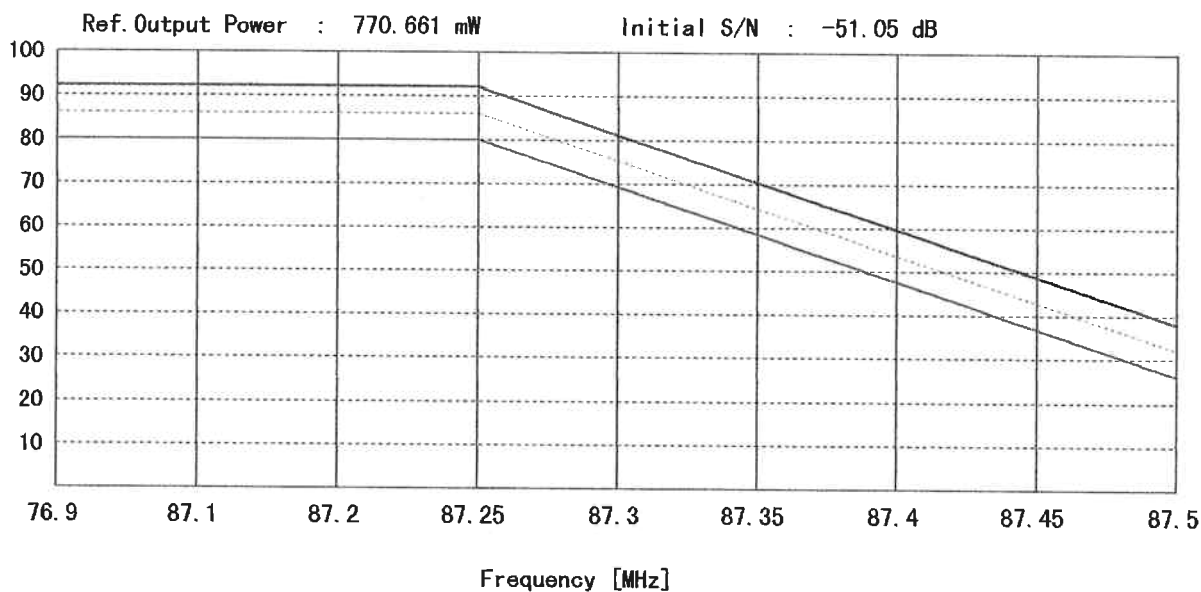
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
87.100	92.0	80.0	12.0
87.200	92.0	80.0	12.0
87.250	92.0	80.0	12.0
87.300	84.4	72.4	12.0
87.350	76.8	64.8	12.0
87.400	69.2	57.2	12.0
87.450	61.6	49.6	12.0
87.500	54.0	42.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:11

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: REAR vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

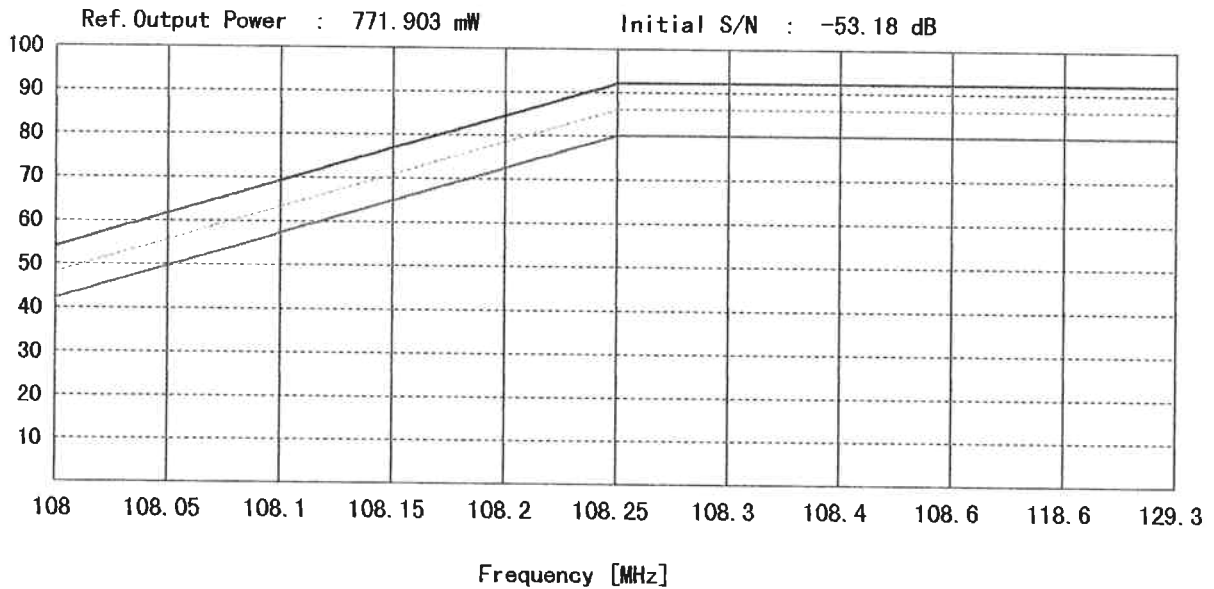
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
87.100	92.0	80.0	12.0
87.200	92.0	80.0	12.0
87.250	92.0	80.0	12.0
87.300	81.2	69.2	12.0
87.350	70.4	58.4	12.0
87.400	59.6	47.6	12.0
87.450	48.8	36.8	12.0
87.500	38.0	26.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:12

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: REAR vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Mono	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	54.0	42.0	12.0
108.050	61.6	49.6	12.0
108.100	69.2	57.2	12.0
108.150	76.8	64.8	12.0
108.200	84.4	72.4	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

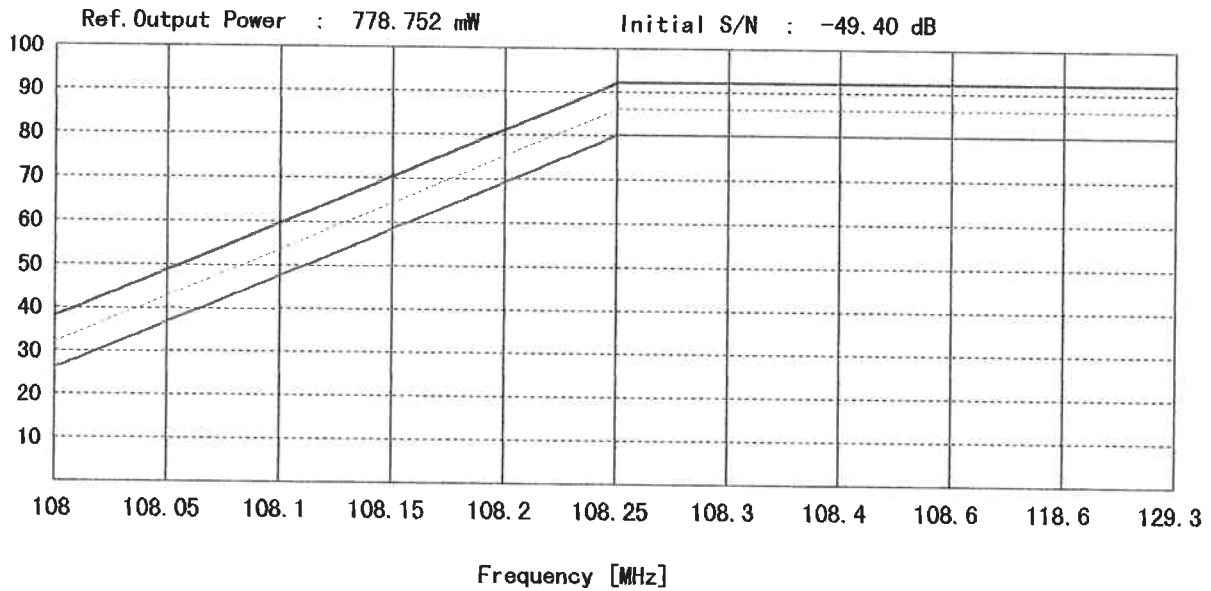


# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:13

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: REAR vol:24		
Operation Mode:	FM Reception	Output Port	: SPEAKER
Mode	: Stereo	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

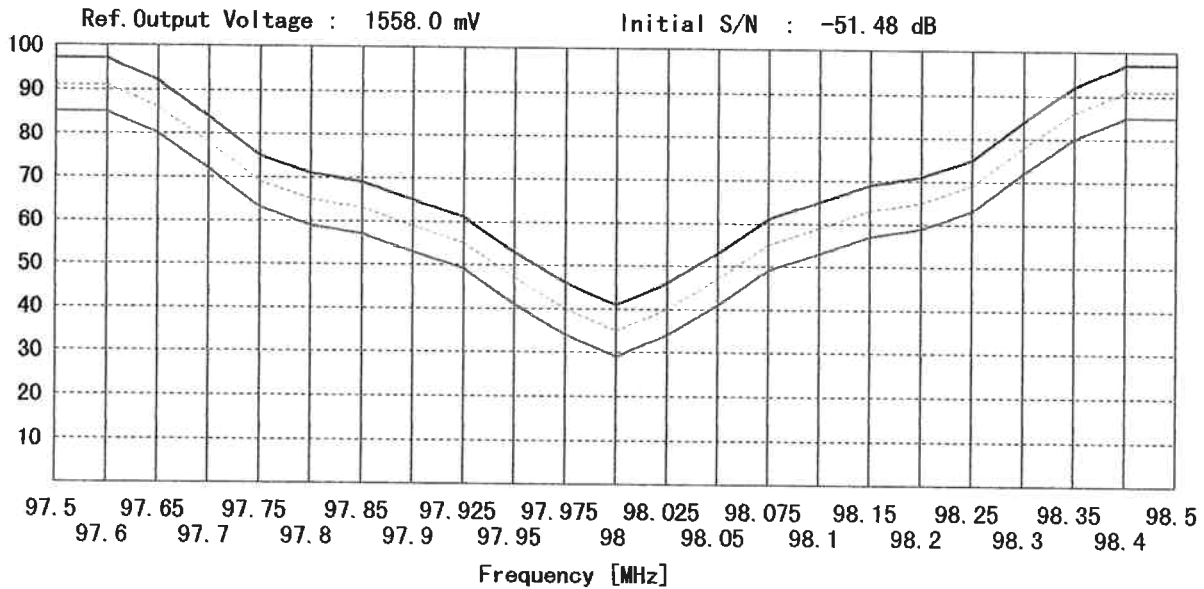
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	38.0	26.0	12.0
108.050	48.8	36.8	12.0
108.100	59.6	47.6	12.0
108.150	70.4	58.4	12.0
108.200	81.2	69.2	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:36

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode:	FM Reception	Output Port	: PRE-OUT
Mode	: Mono	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

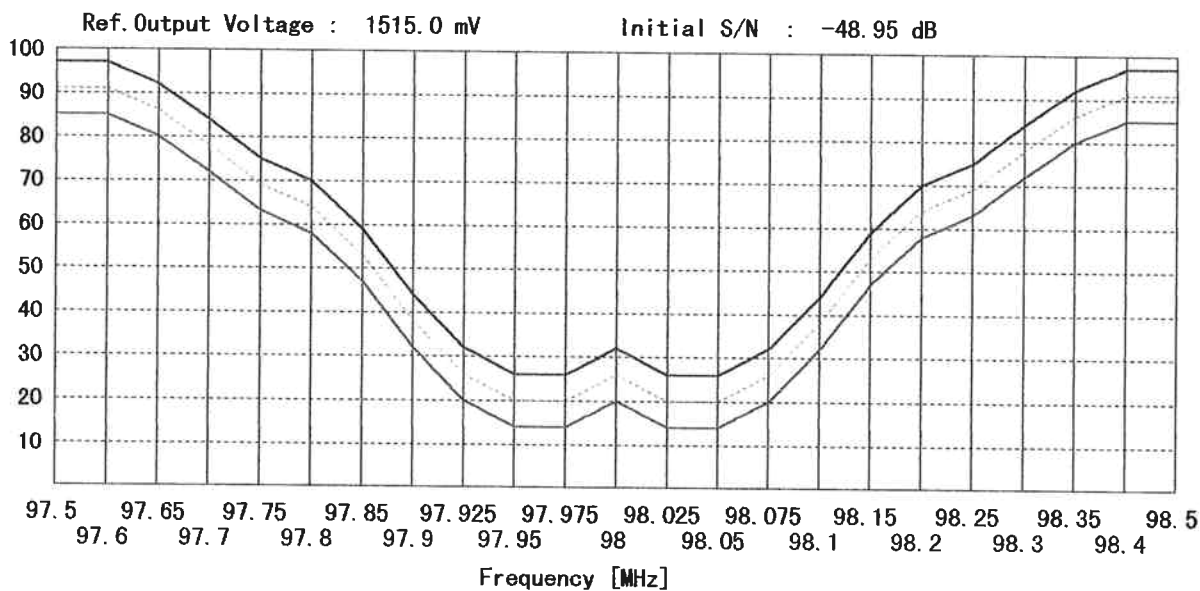
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	71.0	59.0	12.0
97.850	69.0	57.0	12.0
97.900	65.0	53.0	12.0
97.925	61.0	49.0	12.0
97.950	53.0	41.0	12.0
97.975	46.0	34.0	12.0
98.000	41.0	29.0	12.0
98.025	46.0	34.0	12.0
98.050	53.0	41.0	12.0
98.075	61.0	49.0	12.0
98.100	65.0	53.0	12.0
98.150	69.0	57.0	12.0
98.200	71.0	59.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:38

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode	: FM Reception	Output Port	: PRE-OUT
Mode	: Stereo	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

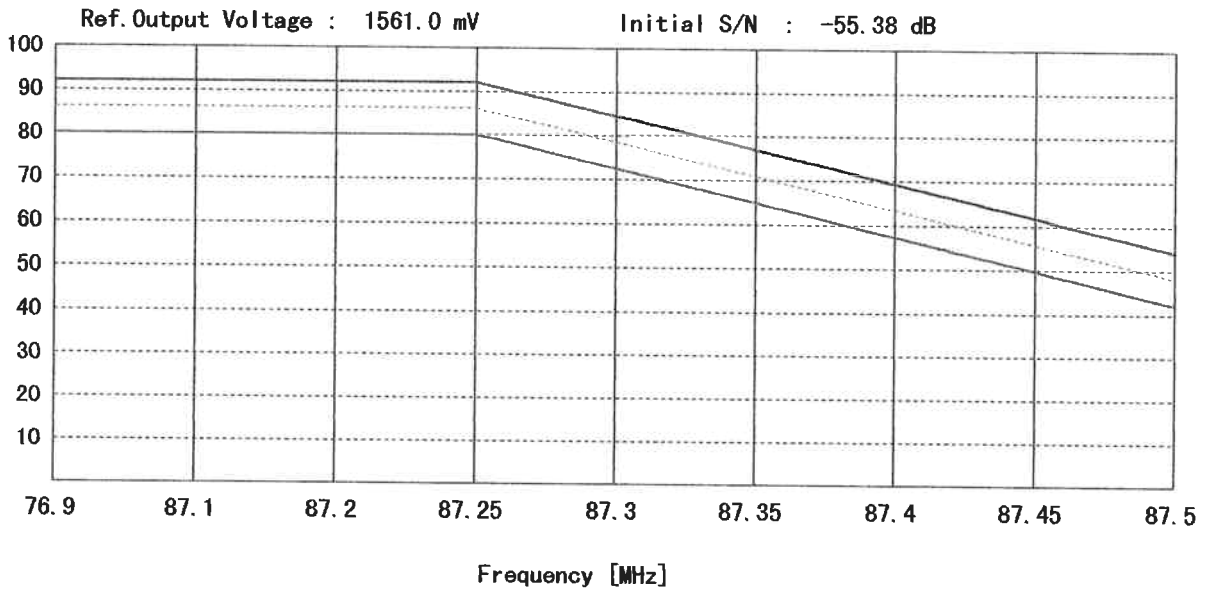
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	70.0	58.0	12.0
97.850	59.0	47.0	12.0
97.900	44.0	32.0	12.0
97.925	32.0	20.0	12.0
97.950	26.0	14.0	12.0
97.975	26.0	14.0	12.0
98.000	32.0	20.0	12.0
98.025	26.0	14.0	12.0
98.050	26.0	14.0	12.0
98.075	32.0	20.0	12.0
98.100	44.0	32.0	12.0
98.150	59.0	47.0	12.0
98.200	70.0	58.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:31

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J.EBIHARA
Memo	: vol:35(max)		
Operation Mode	: FM Reception	Output Port	: PRE-OUT
Mode	: Mono	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

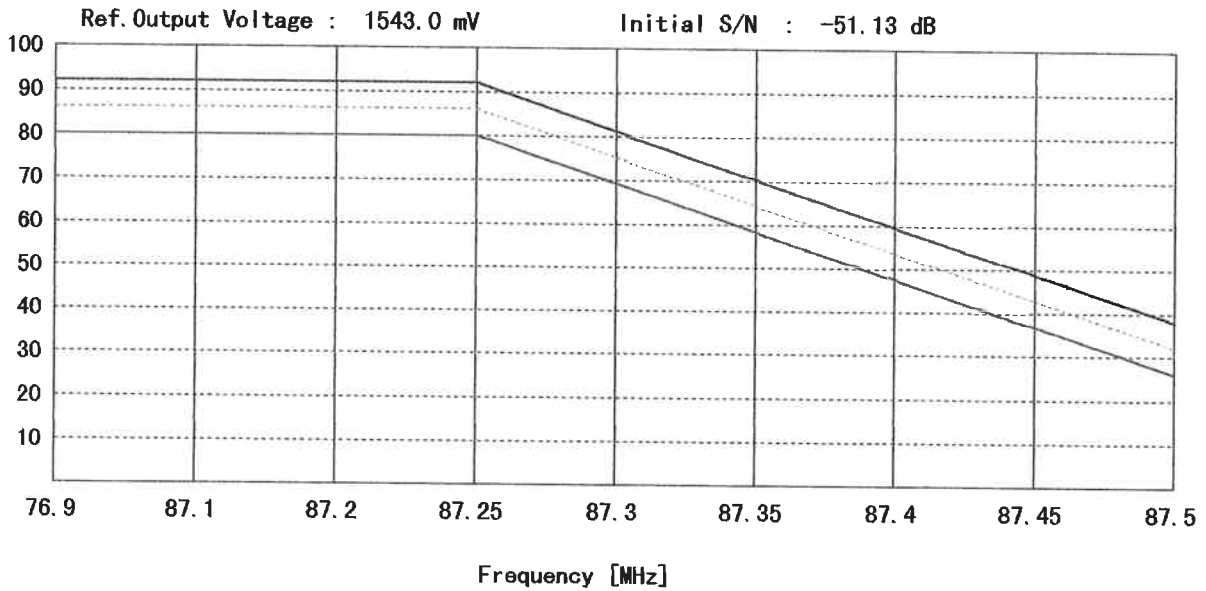
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
87.100	92.0	80.0	12.0
87.200	92.0	80.0	12.0
87.250	92.0	80.0	12.0
87.300	84.4	72.4	12.0
87.350	76.8	64.8	12.0
87.400	69.2	57.2	12.0
87.450	61.6	49.6	12.0
87.500	54.0	42.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:33

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode:	FM Reception	Output Port	: PRE-OUT
Mode	: Stereo	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

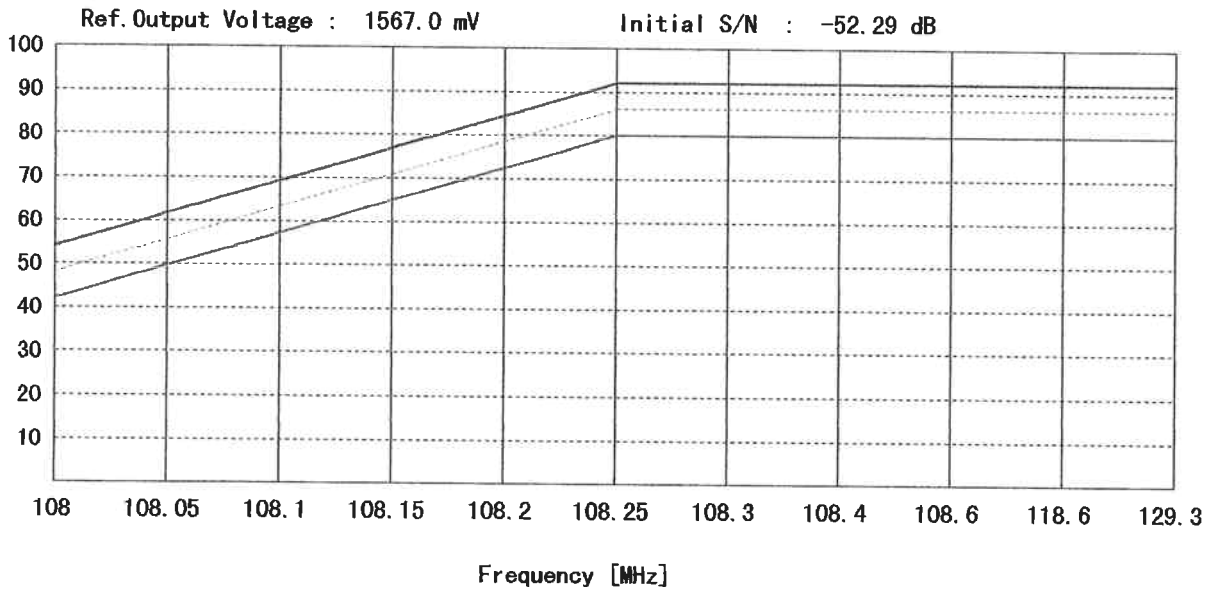
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
87.100	92.0	80.0	12.0
87.200	92.0	80.0	12.0
87.250	92.0	80.0	12.0
87.300	81.2	69.2	12.0
87.350	70.4	58.4	12.0
87.400	59.6	47.6	12.0
87.450	48.8	36.8	12.0
87.500	38.0	26.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:34

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode	: FM Reception	Output Port	: PRE-OUT
Mode	: Mono	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

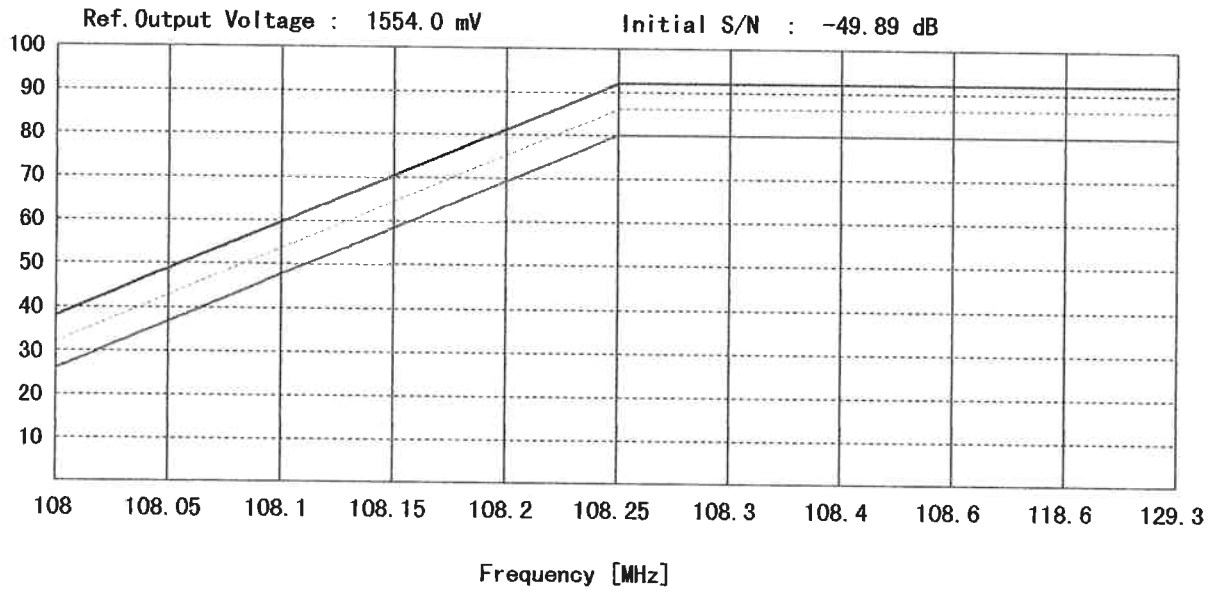
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	54.0	42.0	12.0
108.050	61.6	49.6	12.0
108.100	69.2	57.2	12.0
108.150	76.8	64.8	12.0
108.200	84.4	72.4	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:35

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode	: FM Reception	Output Port	: PRE-OUT
Mode	: Stereo	Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

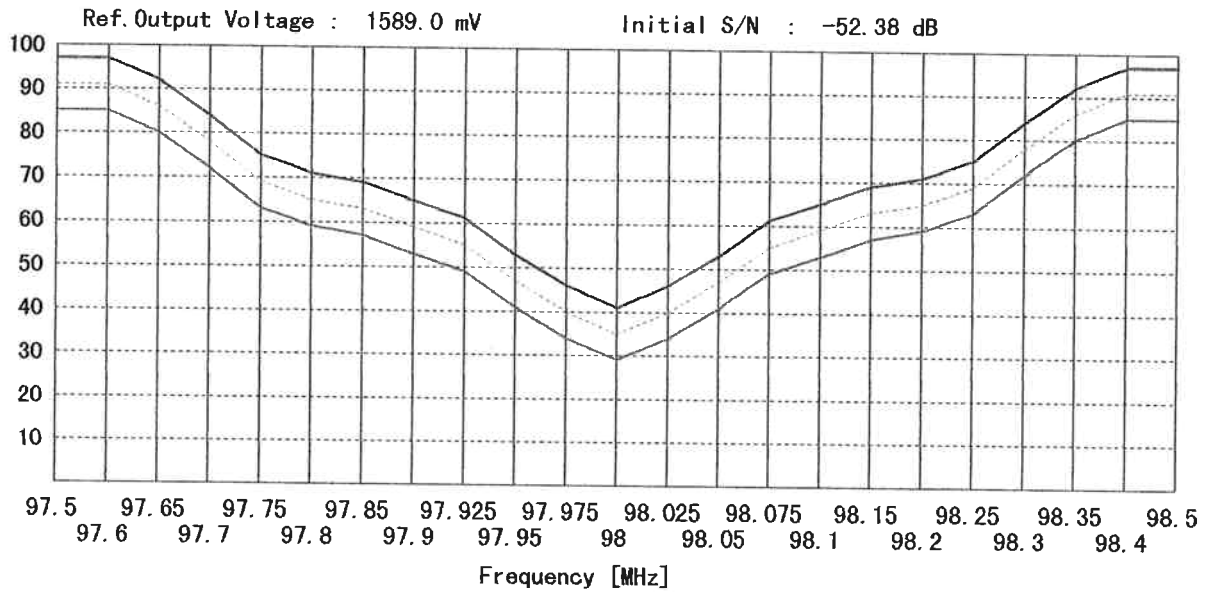
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	38.0	26.0	12.0
108.050	48.8	36.8	12.0
108.100	59.6	47.6	12.0
108.150	70.4	58.4	12.0
108.200	81.2	69.2	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:43

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode	: FM Reception	Output Port	: PRE-OUT
Mode	: Mono	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	71.0	59.0	12.0
97.850	69.0	57.0	12.0
97.900	65.0	53.0	12.0
97.925	61.0	49.0	12.0
97.950	53.0	41.0	12.0
97.975	46.0	34.0	12.0
98.000	41.0	29.0	12.0
98.025	46.0	34.0	12.0
98.050	53.0	41.0	12.0
98.075	61.0	49.0	12.0
98.100	65.0	53.0	12.0
98.150	69.0	57.0	12.0
98.200	71.0	59.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

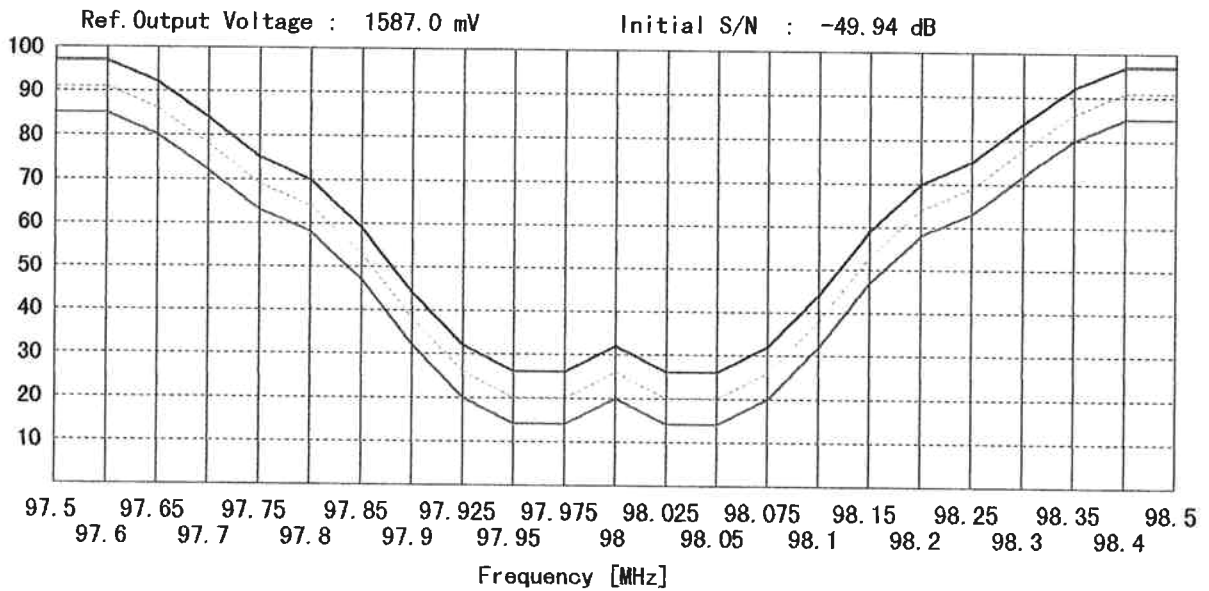


# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:45

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode	: FM Reception	Output Port	: PRE-OUT
Mode	: Stereo	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

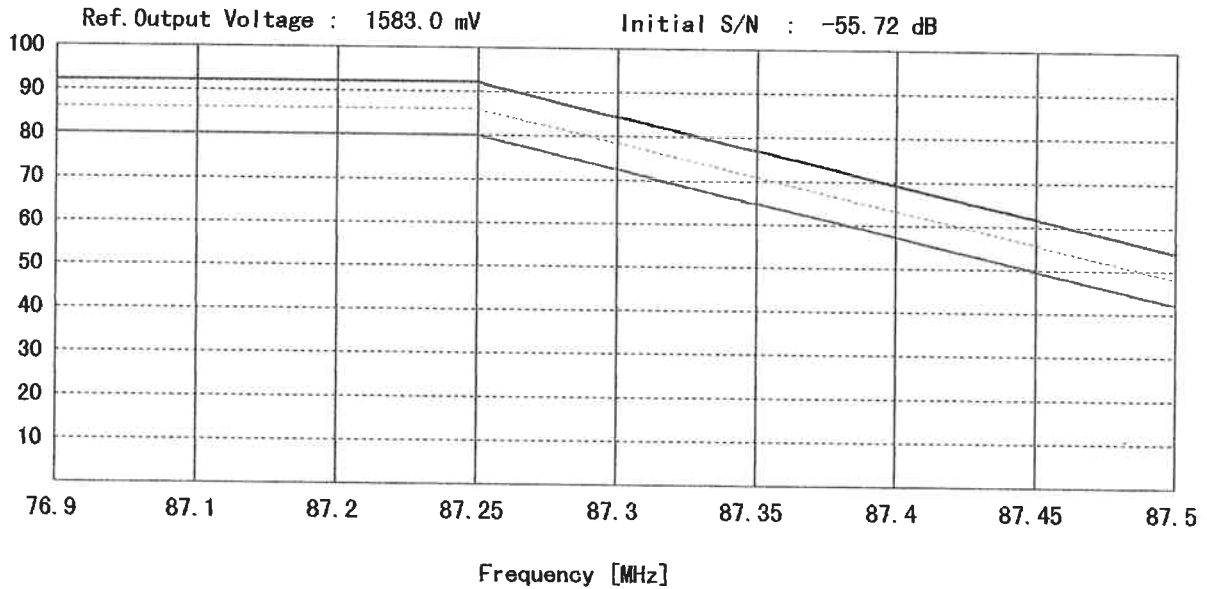
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
97.500	97.0	85.0	12.0
97.600	97.0	85.0	12.0
97.650	92.0	80.0	12.0
97.700	84.0	72.0	12.0
97.750	75.0	63.0	12.0
97.800	70.0	58.0	12.0
97.850	59.0	47.0	12.0
97.900	44.0	32.0	12.0
97.925	32.0	20.0	12.0
97.950	26.0	14.0	12.0
97.975	26.0	14.0	12.0
98.000	32.0	20.0	12.0
98.025	26.0	14.0	12.0
98.050	26.0	14.0	12.0
98.075	32.0	20.0	12.0
98.100	44.0	32.0	12.0
98.150	59.0	47.0	12.0
98.200	70.0	58.0	12.0
98.250	75.0	63.0	12.0
98.300	84.0	72.0	12.0
98.350	92.0	80.0	12.0
98.400	97.0	85.0	12.0
98.500	97.0	85.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:40

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode:	FM Reception	Output Port	: PRE-OUT
Mode	: Mono	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

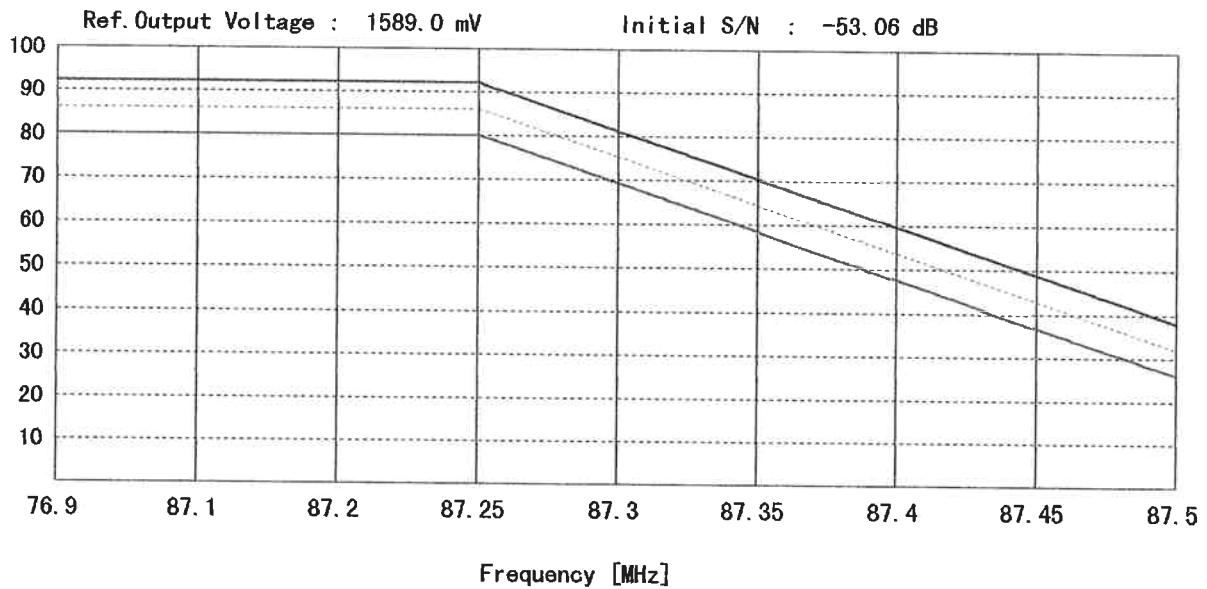
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
77.100	92.0	80.0	12.0
77.200	92.0	80.0	12.0
77.250	92.0	80.0	12.0
77.300	84.4	72.4	12.0
77.350	76.8	64.8	12.0
77.400	69.2	57.2	12.0
77.450	61.6	49.6	12.0
77.500	54.0	42.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:41

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode	: FM Reception	Output Port	: PRE-OUT
Mode	: Stereo	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

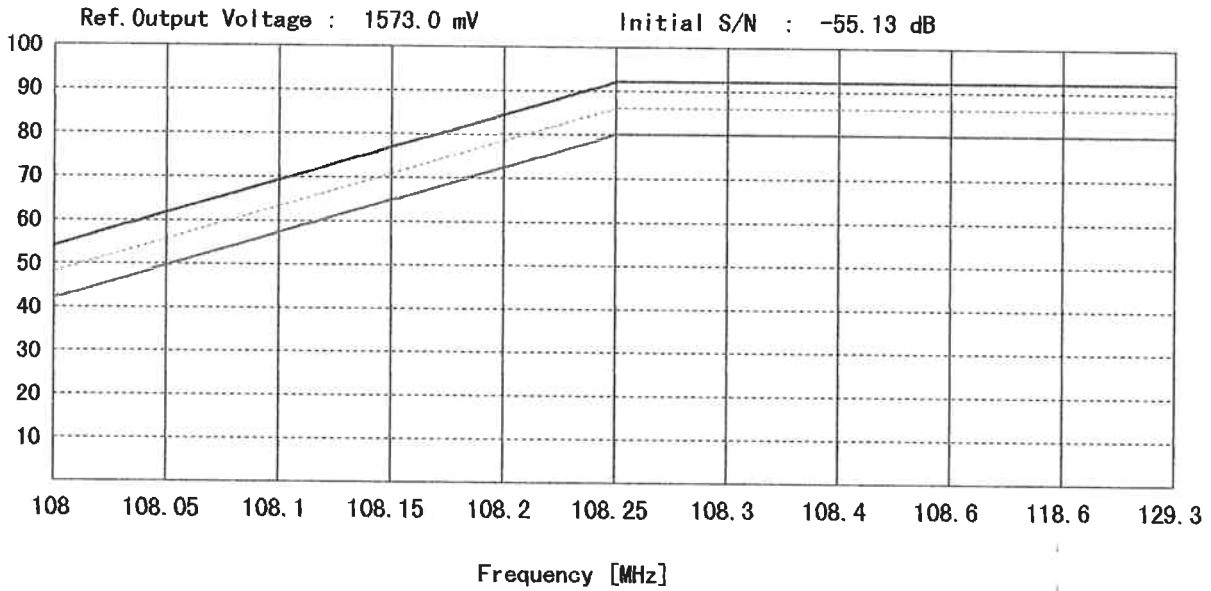
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
76.900	92.0	80.0	12.0
77.100	92.0	80.0	12.0
77.200	92.0	80.0	12.0
77.250	92.0	80.0	12.0
77.300	81.2	69.2	12.0
77.350	70.4	58.4	12.0
77.400	59.6	47.6	12.0
77.450	48.8	36.8	12.0
77.500	38.0	26.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:41

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode	: FM Reception	Output Port	: PRE-OUT
Mode	: Mono	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

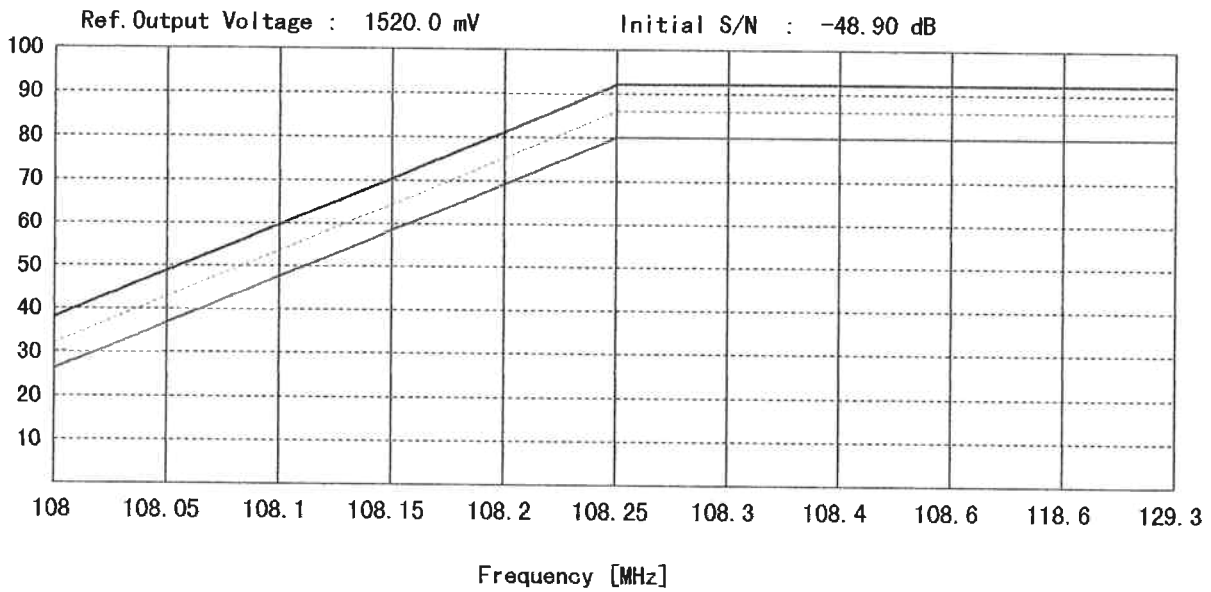
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	54.0	42.0	12.0
108.050	61.6	49.6	12.0
108.100	69.2	57.2	12.0
108.150	76.8	64.8	12.0
108.200	84.4	72.4	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S1 Input Immunity

KENWOOD CORPORATION

Date : 09/30/09 11:42

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode	: FM Reception	Output Port	: PRE-OUT
Mode	: Stereo	Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

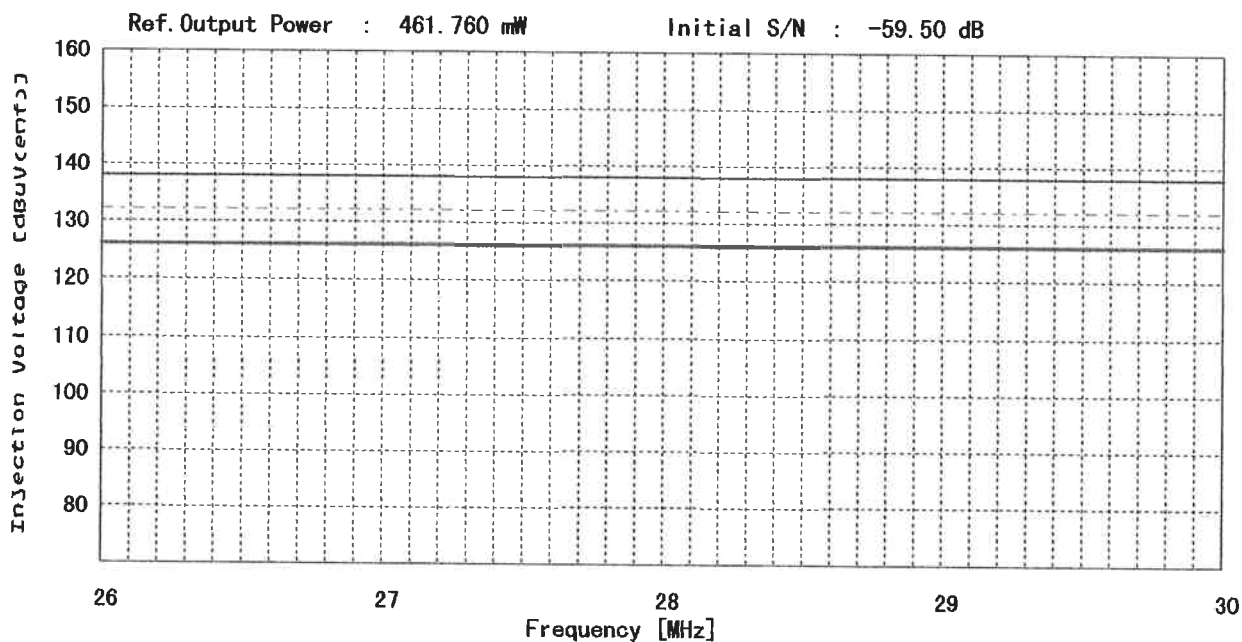
Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]
108.000	38.0	26.0	12.0
108.050	48.8	36.8	12.0
108.100	59.6	47.6	12.0
108.150	70.4	58.4	12.0
108.200	81.2	69.2	12.0
108.250	92.0	80.0	12.0
108.300	92.0	80.0	12.0
108.400	92.0	80.0	12.0
108.600	92.0	80.0	12.0
118.600	92.0	80.0	12.0
129.300	92.0	80.0	12.0

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:30

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:25		
Operation Mode:	FM Reception	Output Port	: SPEAKER
		Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

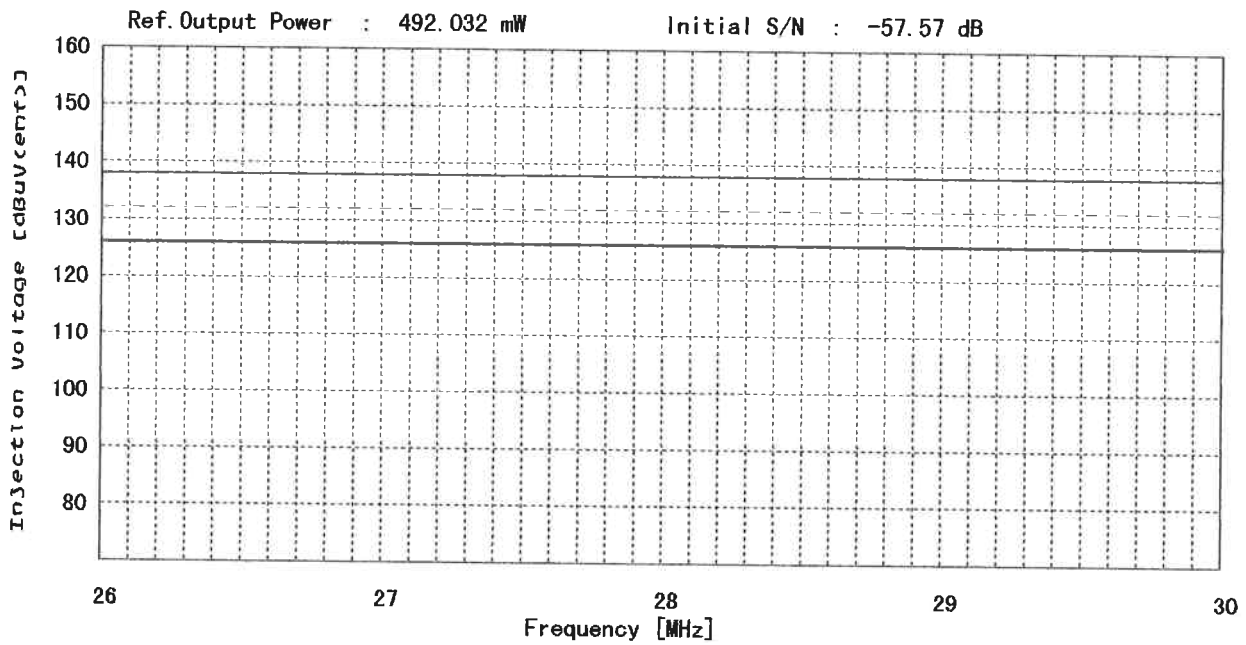
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:37

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: FRONT vol:25		
Operation Mode:	FM Reception	Output Port	: SPEAKER
		Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

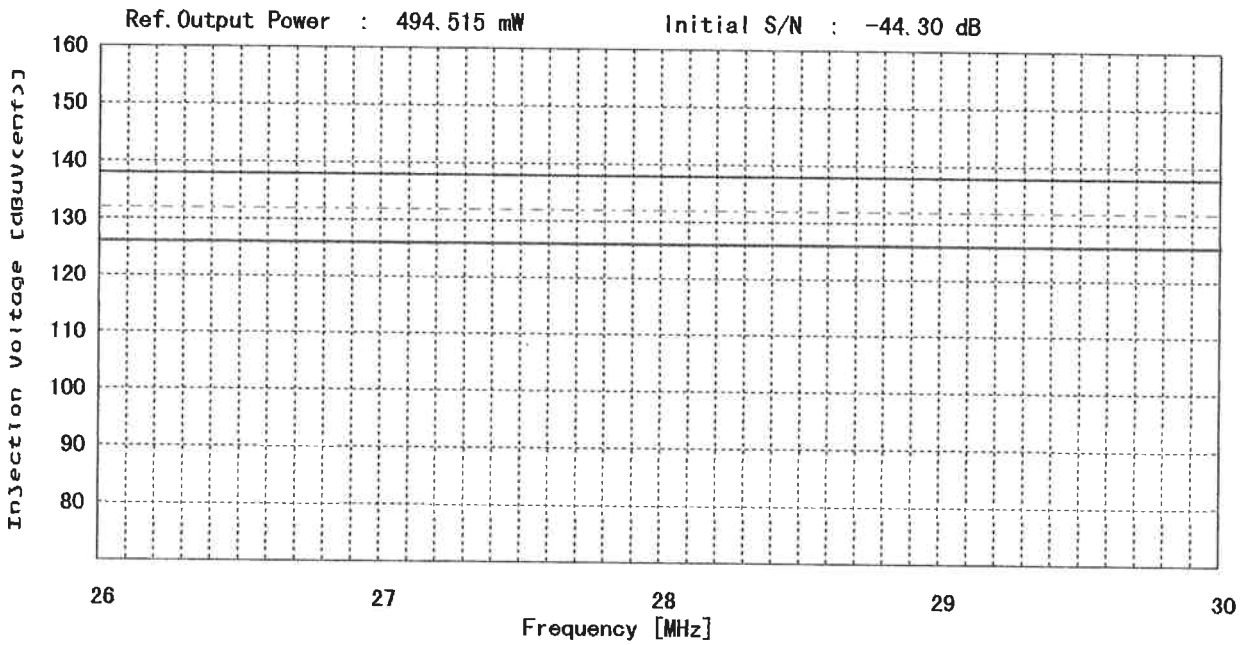
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:31

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:25		
Operation Mode:	AM Reception (LW)	Output Port	: SPEAKER
		Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

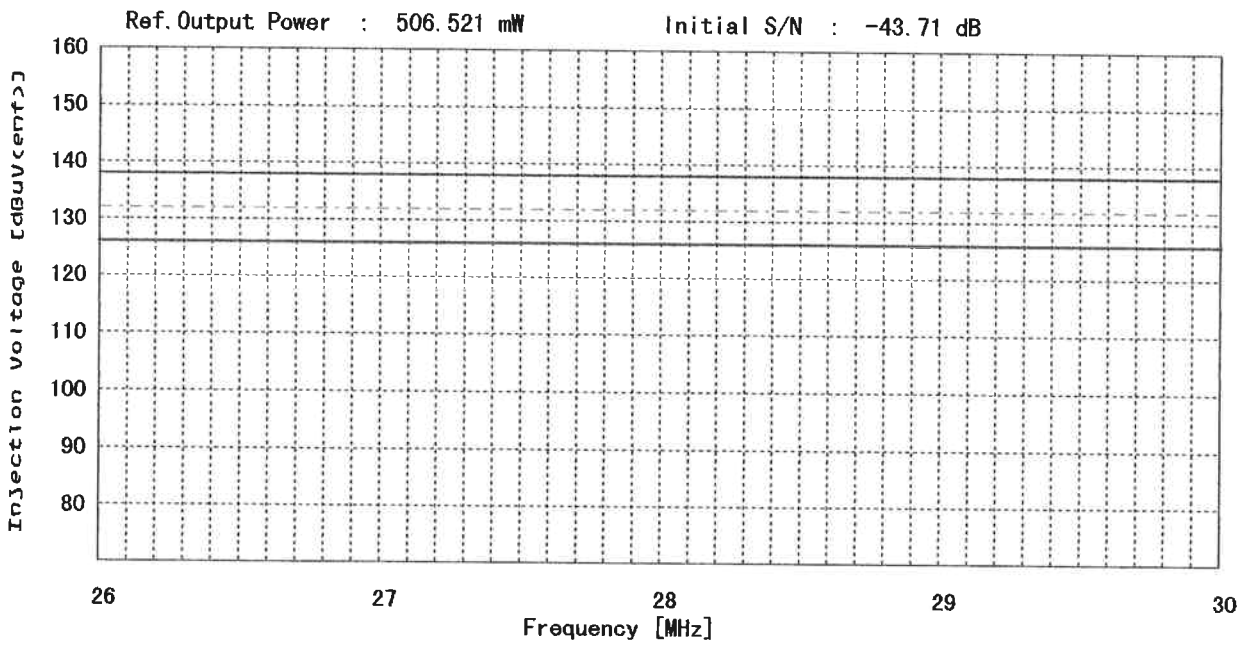


# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:36

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:25		
Operation Mode:	AM Reception(LW)	Output Port	: SPEAKER
		Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

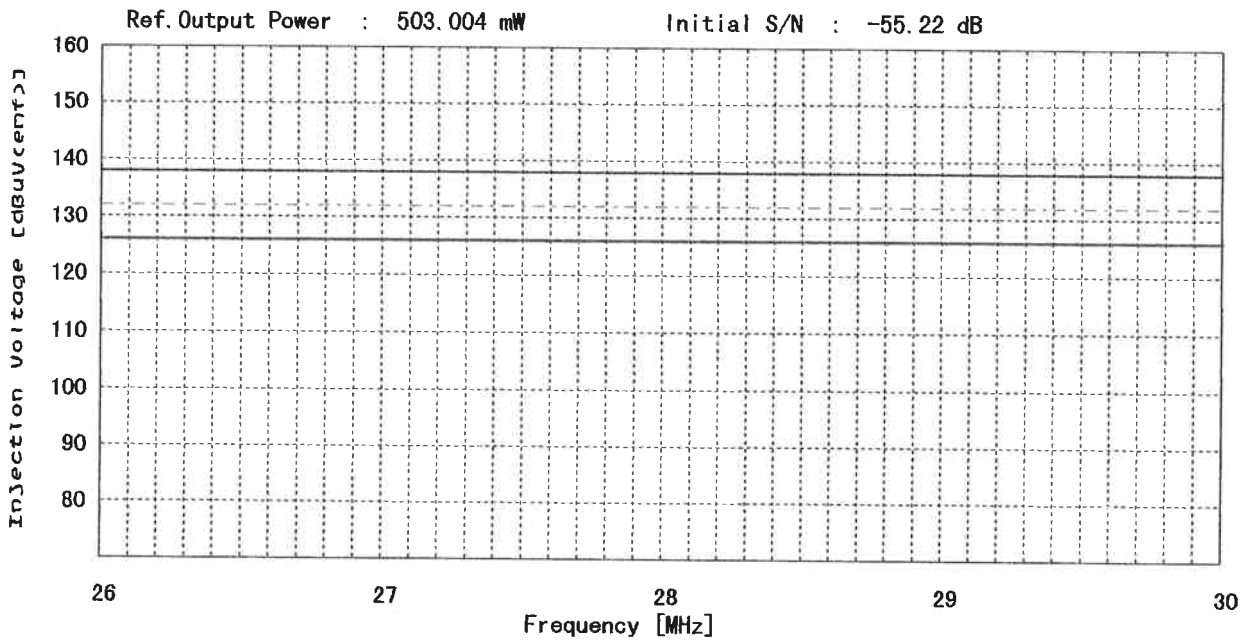
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:33

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: FRONT vol:25		
Operation Mode:	AM Reception (MW)	Output Port	: SPEAKER
		Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

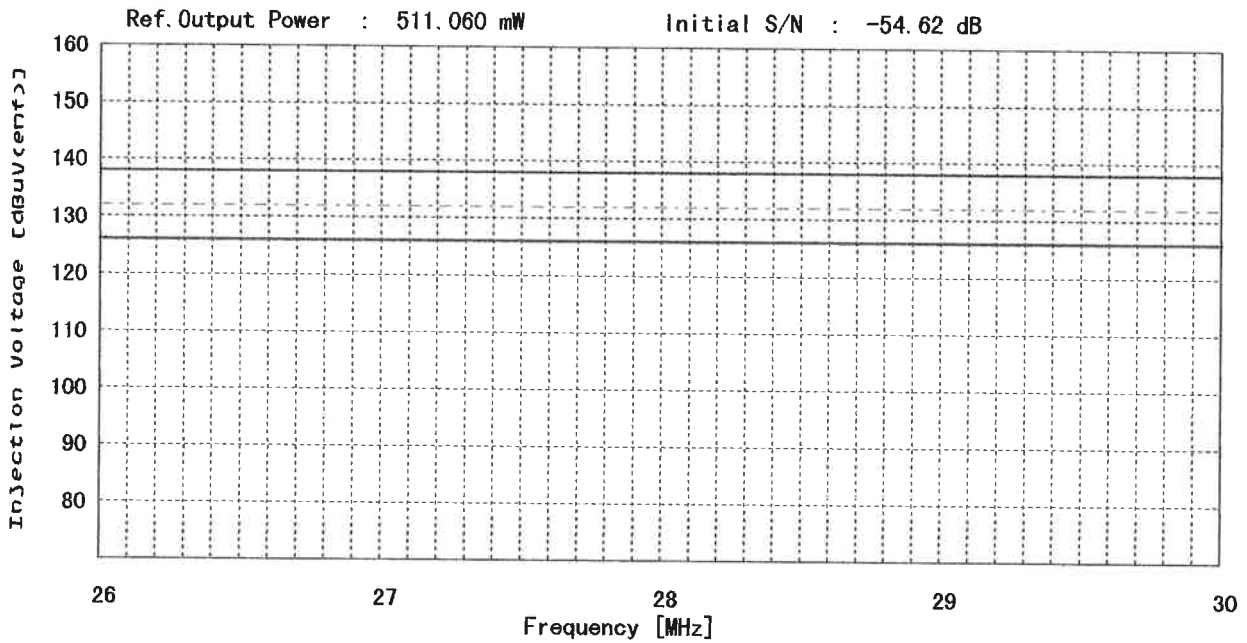
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:35

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J.EBIHARA
Memo	: FRONT vol:25		
Operation Mode	: AM Reception(MW)	Output Port	: SPEAKER
		Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

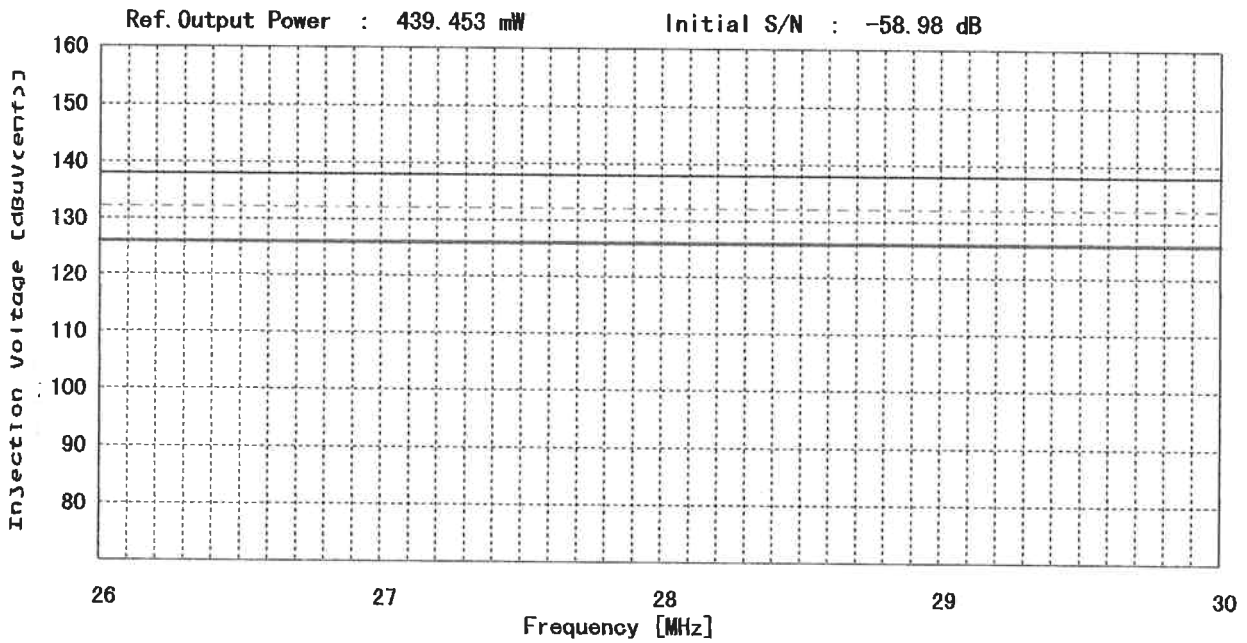
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:39

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: REAR vol:25		
Operation Mode:	FM Reception	Output Port	: SPEAKER
		Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

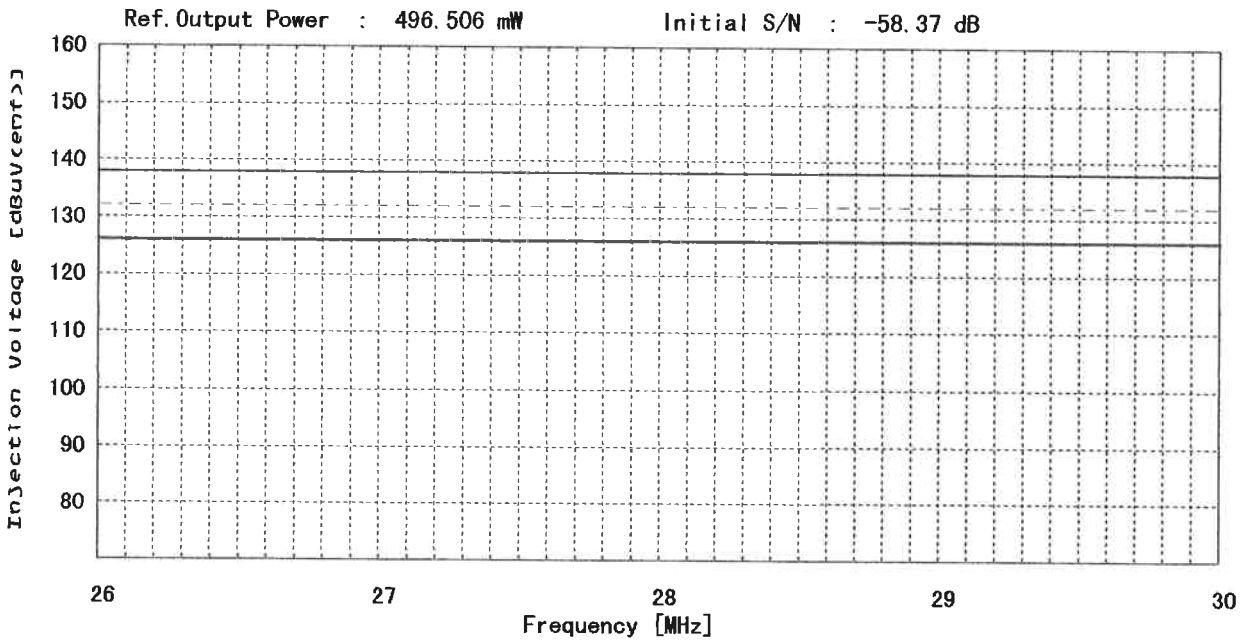
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:46

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: REAR vol:25		
Operation Mode:	FM Reception	Output Port	: SPEAKER
		Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

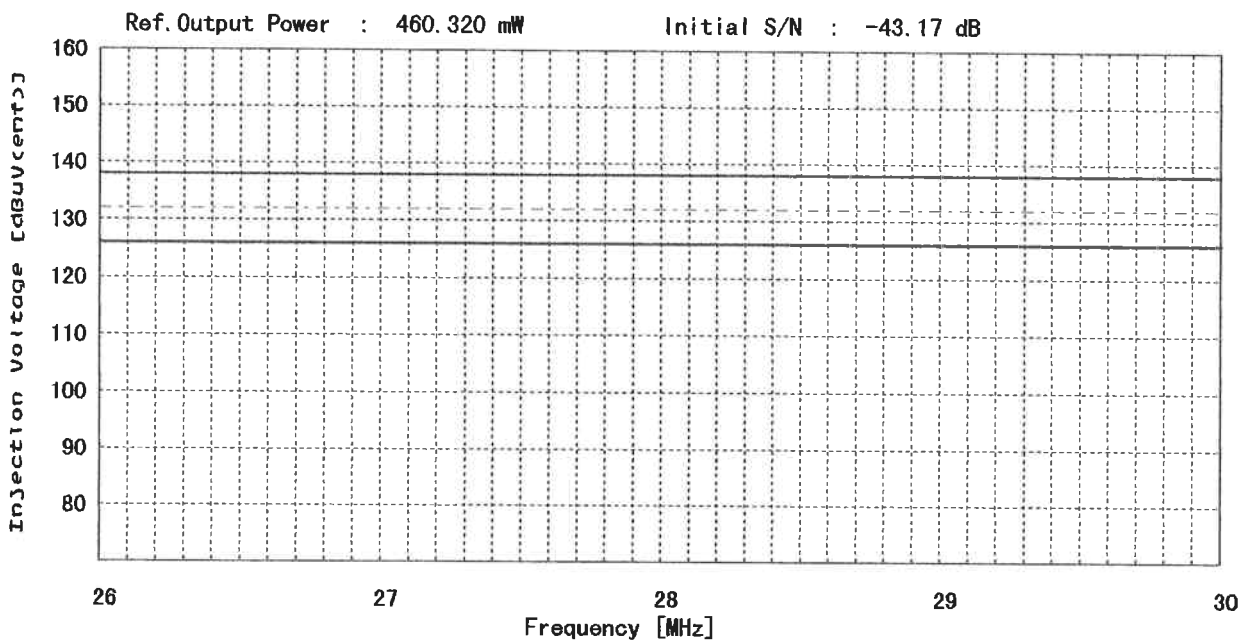
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:40

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: REAR vol:25		
Operation Mode:	AM Reception(LW)	Output Port	: SPEAKER
		Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

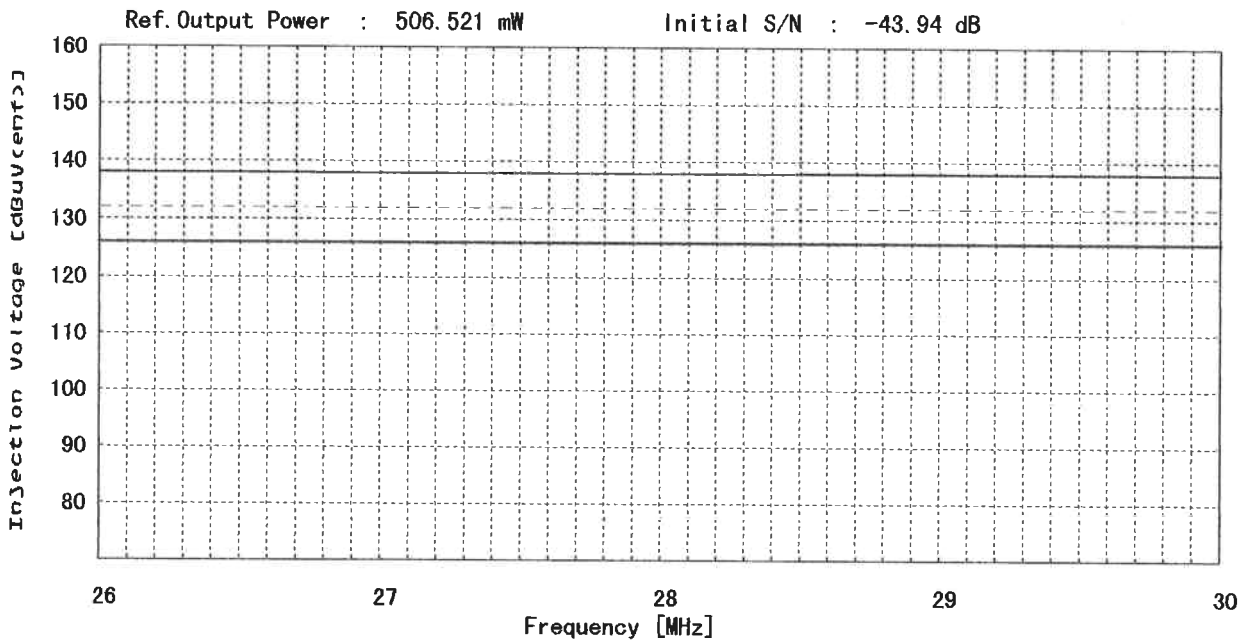
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:44

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: REAR vol:25		
Operation Mode	: AM Reception(LW)	Output Port	: SPEAKER
		Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

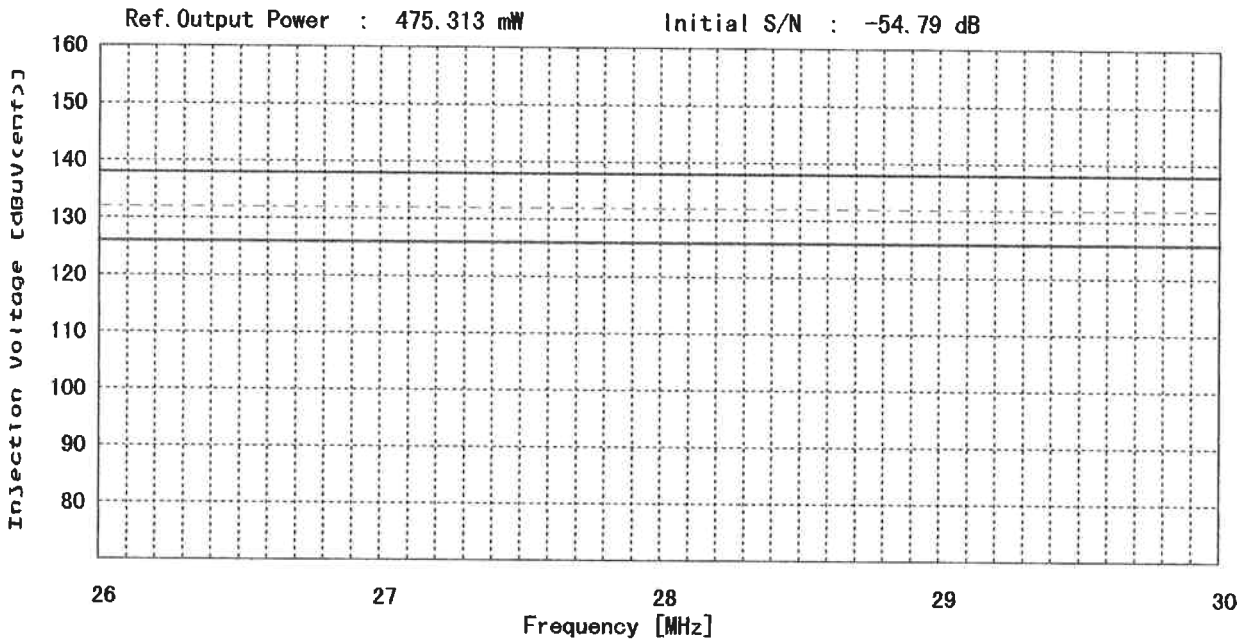
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:41

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: REAR vol:25		
Operation Mode:	AM Reception (MW)	Output Port	: SPEAKER
		Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------



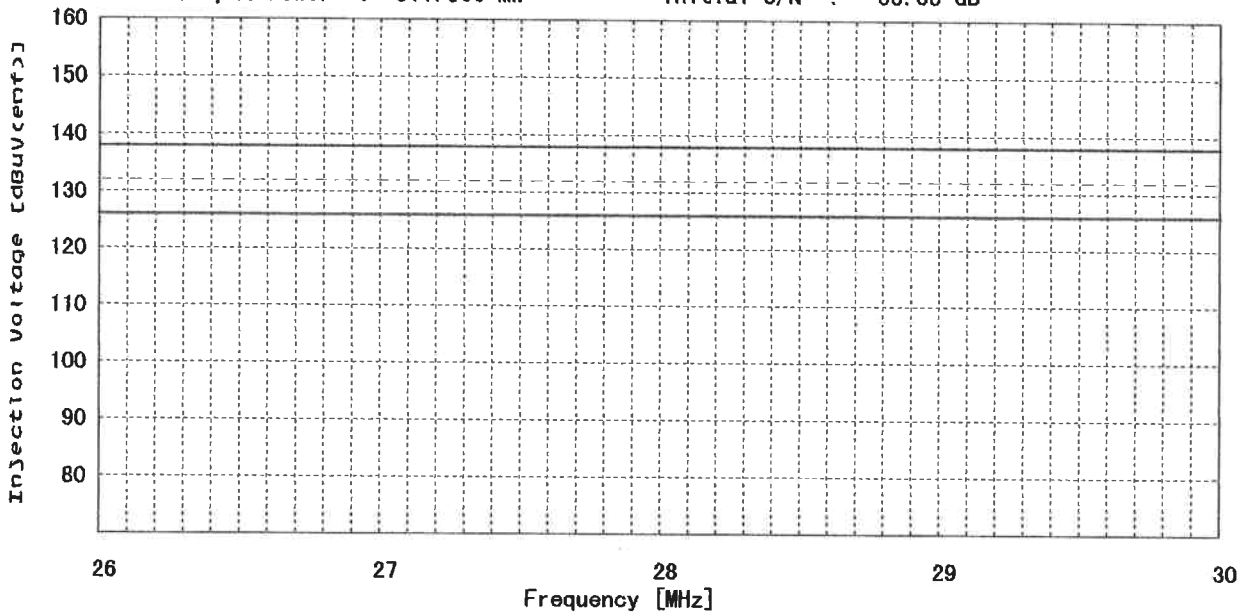
# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:43

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: REAR vol:25		
Operation Mode:	AM Reception(MW)	Output Port	: SPEAKER
		Channel	: Right

Ref. Output Power : 511.566 mW      Initial S/N : -55.35 dB



\*\*\*\*\* Results of Measurement \*\*\*\*\*

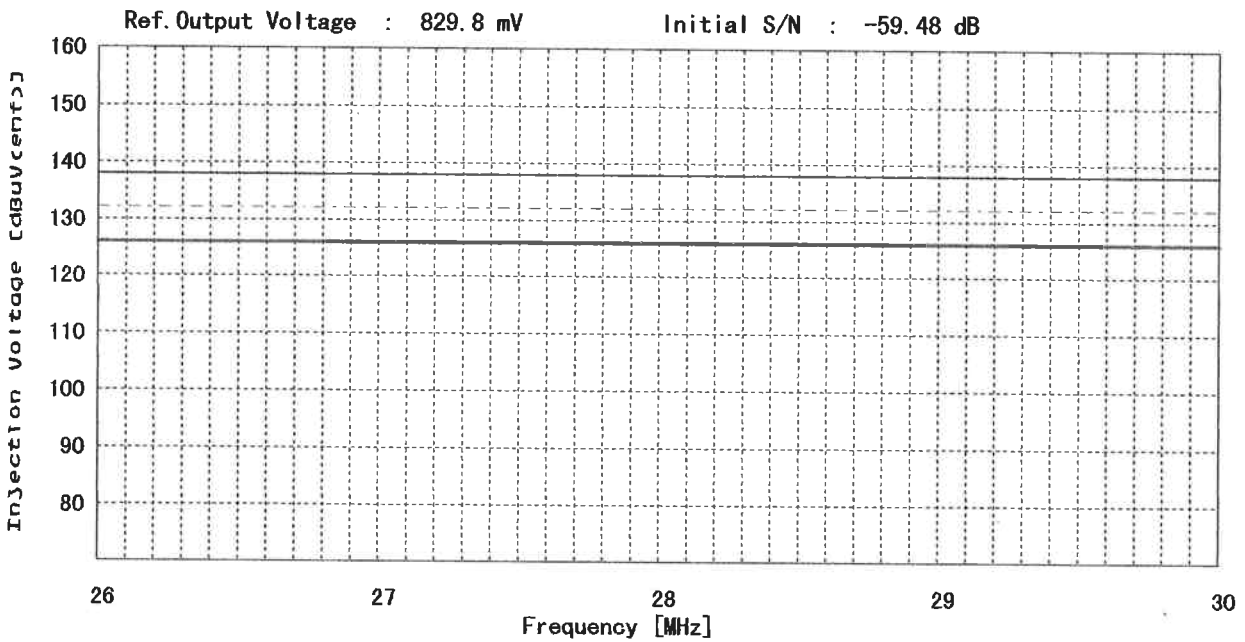
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:52

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode:	FM Reception	Output Port	: PRE-OUT
		Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

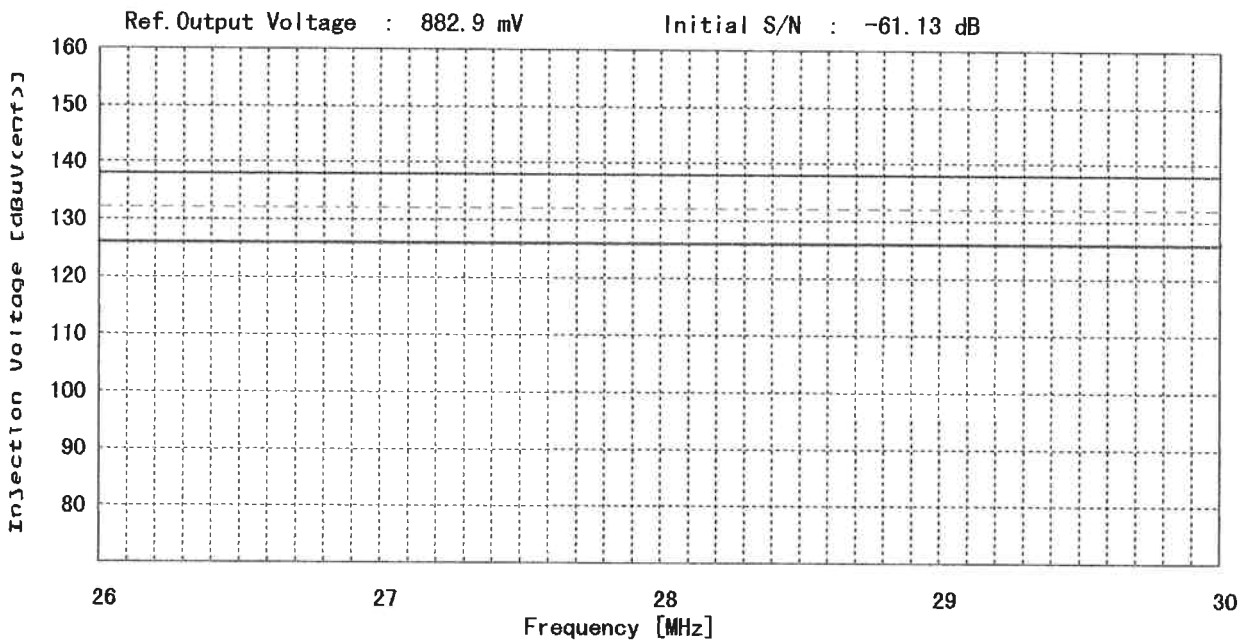
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 16:00

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode:	FM Reception	Output Port	: PRE-OUT
		Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

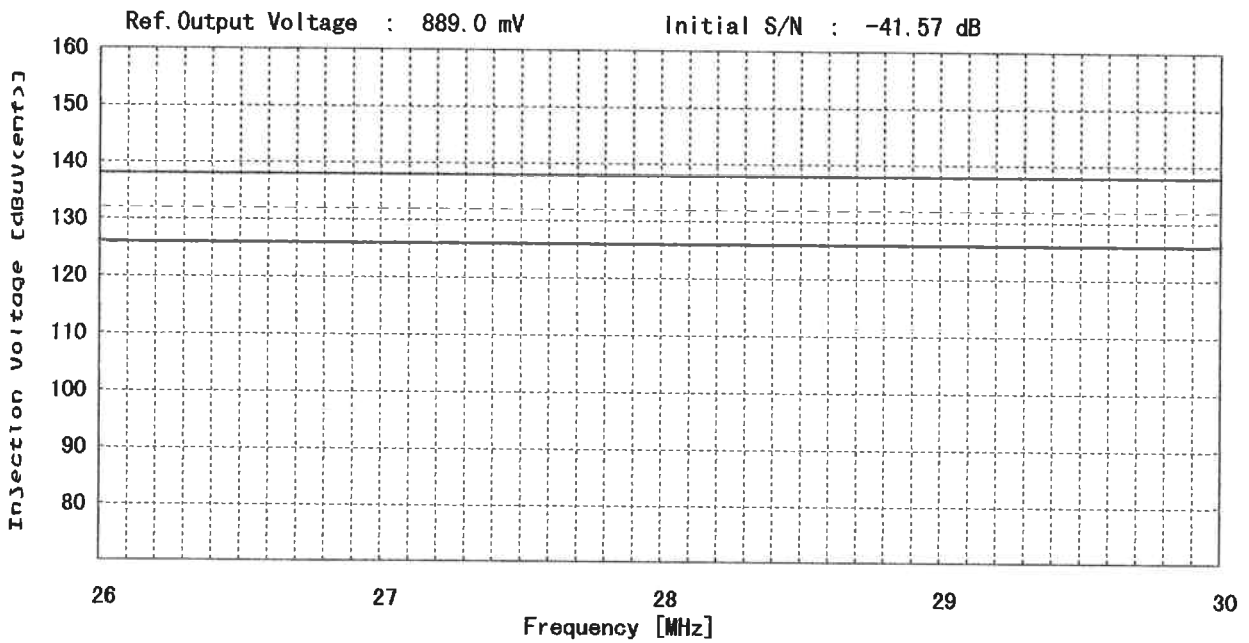
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:54

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode	: AM Reception(LW)	Output Port	: PRE-OUT
		Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

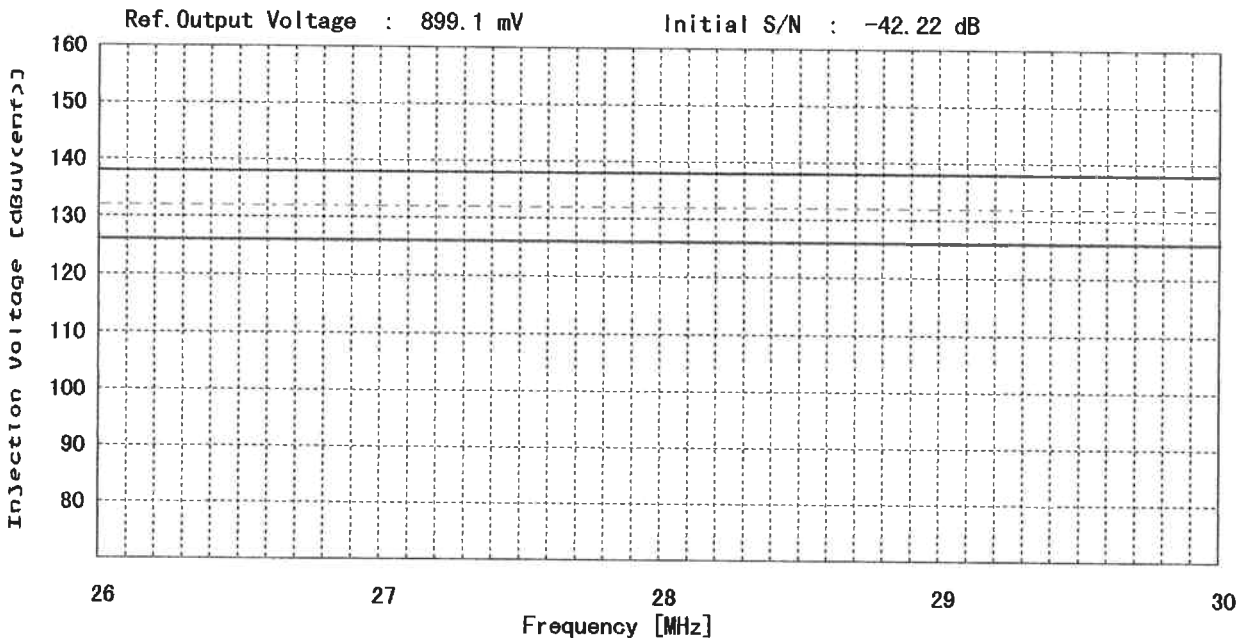
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:59

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBHARA
Memo	: vol:35(max)		
Operation Mode:	AM Reception(LW)	Output Port	: PRE-OUT
		Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

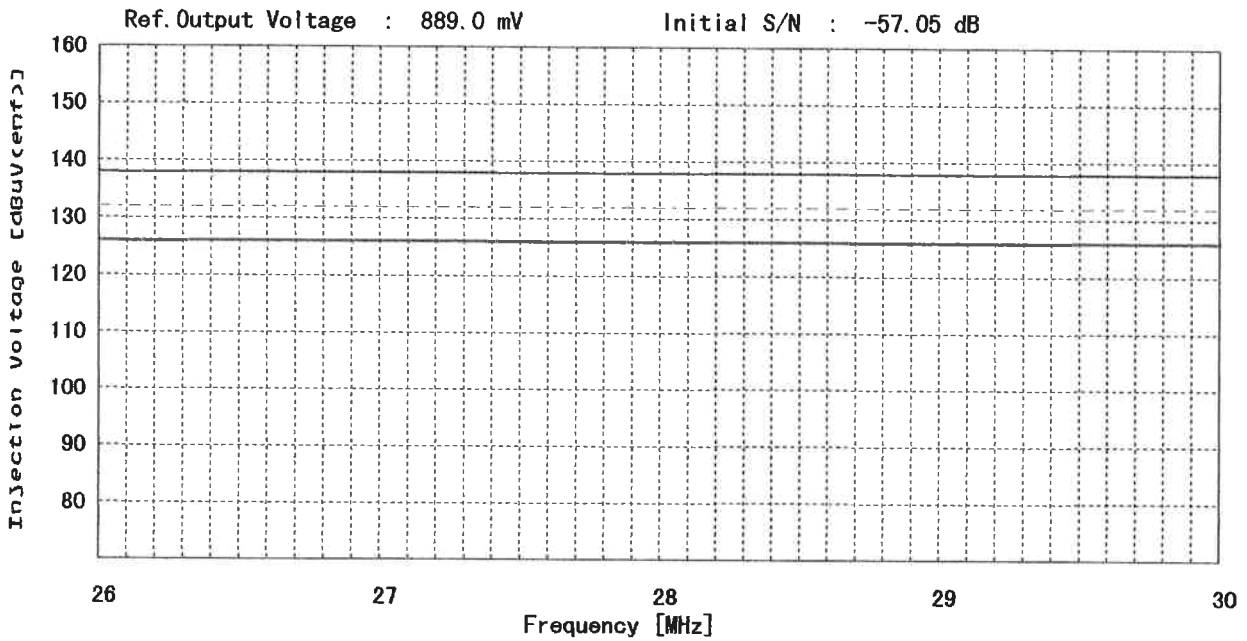
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:56

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operator	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode	: AM Reception(MW)	Output Port	: PRE-OUT
		Channel	: Left



\*\*\*\*\* Results of Measurement \*\*\*\*\*

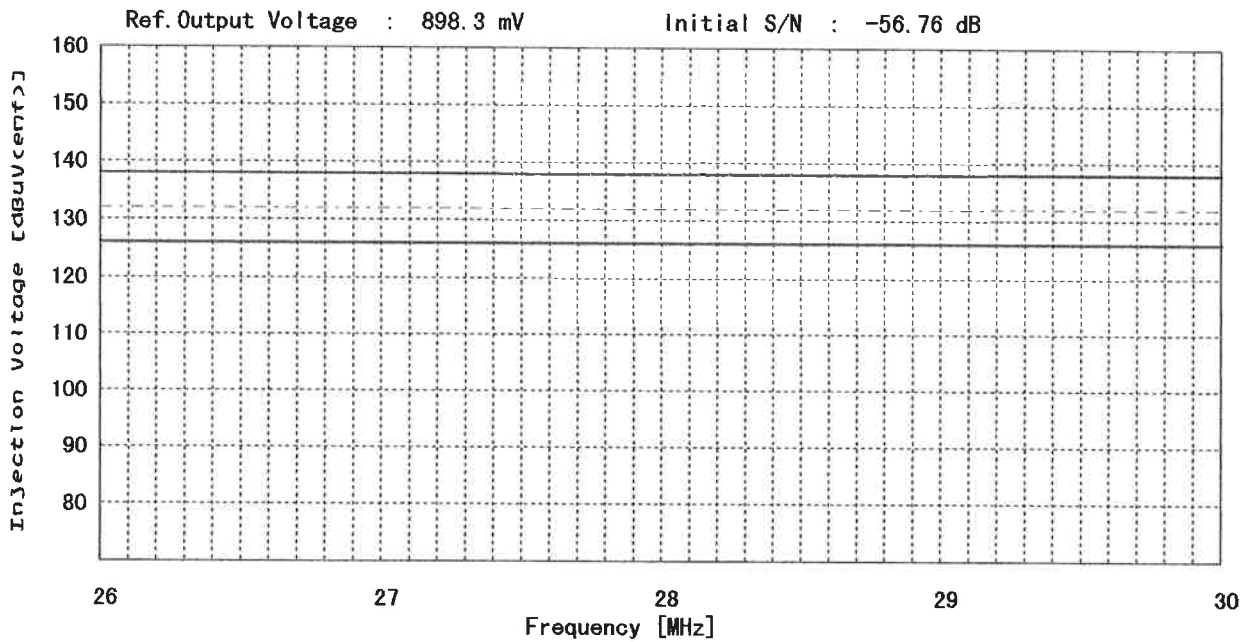
No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

# S2b Immunity to RF Currents

KENWOOD CORPORATION

Date : 09/30/09 15:58

Trade Mark	: KENWOOD	Specification	:
Model Name	: KDC-3047A	Devorop. Stage	: PP
Equipment	:	Power Supply	: 14.4V
Serial No.	: PPE00002	Operater	: J. EBIHARA
Memo	: vol:35(max)		
Operation Mode:	AM Reception(MW)	Output Port	: PRE-OUT
		Channel	: Right



\*\*\*\*\* Results of Measurement \*\*\*\*\*

No.	Frequency [MHz]	Results [dBuV]	Limit [dBuV]	Margin [dB]	Remarks
-----	-----------------	----------------	--------------	-------------	---------

## [ESD]Electrostatic Discharge

Standard	: EN55020
Model	: KDC-3047A
Ser No.	: PPE00002
Date	: 30 September, 2009
Operator	: S.yonemura
Test Level	: B

Temperature : 26 °C, Relative Humidity : 57 %, Atmospheric Humidity : 986 hpa

Measurement result. **PASS**

Operation Mode: CD play

Type of discharge	Discharge Part	Discharge Voltage	Result
Contact	part of metal	+4KV	<b>PASS</b>
		-4KV	<b>PASS</b>
Air	part of Insulation	+8KV	<b>PASS</b>
		-8KV	<b>PASS</b>
Indirection	HCP / VCP	+4KV	<b>PASS</b>
		-4KV	<b>PASS</b>

\*HCP=Horizontal Coupling Plane , VCP=Vertical Copling Plane



Appendix

## Electrostatic Discharge Test Points

○ Contact      □ Air



# TEST REPORT

Equipment under test	: KDC-3047A		
Standard	: 2004/104/EC, 2005/83/EC, 2006/28/EC, 2009/19/EC		
Measurements	: Transient immunity test		Page 2
	: Radiated emissions test		9
	: Transient emissions test		10
Photographs of Test Setup			11
Test Result	: Pass		
Test facility	: Shielded enclosure and semi-anechoic chamber at Engineering Support Center, Victor Company of Japan, Limited		
Instrumentation			
Test site No.1	: ELECTROMAGNETIC WAVE SEMI-ANECHOIC CHAMBER-B		
Radiation	: EMI Test receiver	Rohde & Schwarz	ESP13
	Pri Amplifire	SONOMA	INSTRUMENT 310
	Regulateddc Power supply	KIKUSUI	PAD60-60LA
	Bilog Antenna	SCHAFFNER/CHASE	CBL6111B
	L.I.S.N Artificial Mains network	SCHWARZBECK	NNBM 8125
Test site No.2	: ELECTROMAGNETIC WAVE SEMI-ANECHOIC CHAMBER-C		
Radiation	: Digital Phosphor Oscilloscope	Tektronix	DPO4104
	Probe	Tektronix	Tek P5100
	L.I.S.N Artificial Mains network	SCHWARZBECK	NNBM 8125
Electromagnetic Immunity	: NSG 5500 System		
	Registance module	Teseq	RM5505
	Micro transients	Teseq	MT5510
	Fast transients	Teseq	FT5530
	Load Dump Generator	Teseq	LD5505
	: NSG5600 System		
	Signal change package	Teseq	CT5610
	Signal Generator	Teseq	FG5620
	Power Amplifier/Battery simulator	Teseq	PA5840

Tokyo, 30 November, 2009

Reviewed by



Norio Iwashita, Group Manager  
Safety and Environment Group  
Technology Development Div.

**Autostar Test Report****TRANSIENT IMMUNITY TEST  
Standard: ISO7637-2**

Date : 14 Oct, 2009 Time : 11:09

**|||SCHAFNER**Schaffner Electrotest GmbH  
Hafenstrasse 1

97877 Wertheim

Germany

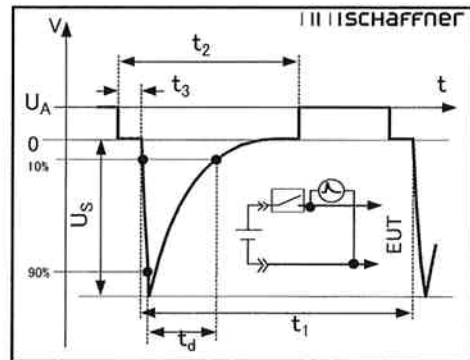
Tel +49 (0)9342 8750 Fax +49 (0)9342 87575

www.schaffner.com

Company Name :	KENWOOD
Equipment Tested :	KDC-3047A
Serial Number :	PPE00006
Test Equipment used :	CD RECEIVER
Test Procedure Used :	CD Play (1kHz)

**Test Number 1**

Test Name C:\Program Files\Schaffner Electrotest  
GmbH\Autostar\UserTests\Anzen\Pulse 1.ust  
Test type MT 5510 High Energy Pulse 1  
Sequence Repetition Count 5000

Test Status **PASS**

Parameter	Operation	From	To	Step Size	Fail Value
Pulse Voltage(Us)	Static	-75 V	---	---	---
Pulse Period(t1)	Static	0.5 Secs	---	---	---

General	Value
Rise Time(tr)	1 us
Output Resistance(Ri)	10 ohms
Pulse Width(td)	2 ms
t2	200 ms
Polarity/Coupling	Negative Parallel

Battery	Value
Battery State	UPC/TIME
Voltage	13.5 V
Current Limit	25 A
End of Test Voltage	13.5 V

Comments
Power down, and self recovery to the initial condition after stop pulse injection.

General Conditions
Ambient Temperature : 26 °C Humidity : Pressure :
Tested by : Kimizuka
Signature

**Autostar Test Report****TRANSIENT IMMUNITY TEST  
Standard: ISO7637-2**

Date : 14 Oct, 2009 Time : 11:28

**II | SCHAFNER**Schaffner Electrotest GmbH  
Hafenstrasse 1

97877 Wertheim

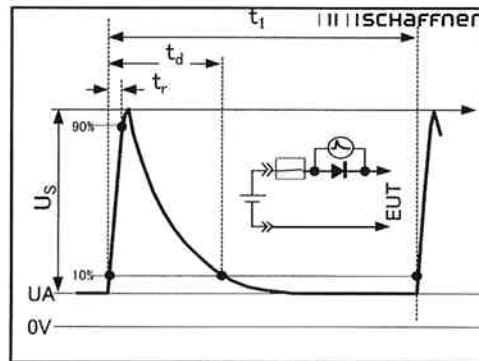
Germany

Tel +49 (0)9342 8750 Fax +49 (0)9342 87575  
www.schaffner.com

Company Name :	KENWOOD
Equipment Tested :	KDC-3047A
Serial Number :	PPE00006
Test Equipment used :	CD RECEIVER
Test Procedure Used :	CD Play (1kHz)

**Test Number 1**

Test Name C:\Program Files\Schaffner Electrotest  
GmbH\Autostar\UserTests\Anzen\Pulse 2a.ust  
Test type MT 5510 High Energy Pulse 2  
Sequence Repetition Count 5000

Test Status **PASS**

Parameter	Operation	From	To	Step Size	Fail Value
Pulse Voltage(Us)	Static	37 V	---	---	---
Pulse Period(t1)	Static	0.2 Secs	---	---	---

General	Value
Rise Time(tr)	1 us
Output Resistance(Ri)	2 ohms
Pulse Width(td)	50 us
t2	Not Applicable
Polarity/Coupling	Positive Serial

Battery	Value
Battery State	On
Voltage	13.5 V
Current Limit	25 A
End of Test Voltage	13.5 V

**Comments**

General Conditions	Value	Value	Value
Ambient Temperature :	26 °C	Humidity :	Pressure :
Tested by :	Kimizuka		
Signature			

**Autostar Test Report****TRANSIENT IMMUNITY TEST  
Standard: ISO7637-2**

Date : 14 Oct, 2009 Time : 11:34

**II ISCHAFFNER**Schaffner Electrotest GmbH  
Hafenstrasse 1

97877 Wertheim

Germany

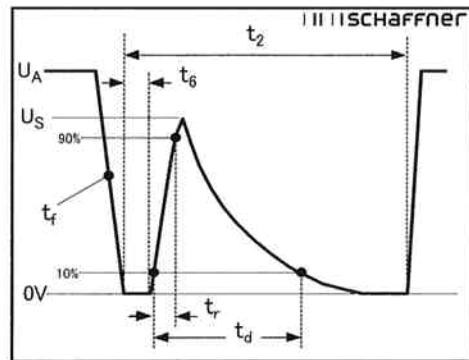
Tel +49 (0)9342 8750 Fax +49 (0)9342 87575

www.schaffner.com

<b>Company Name :</b>	KENWOOD
<b>Equipment Tested :</b>	KDC-3047A
<b>Serial Number :</b>	PPE00006
<b>Test Equipment used :</b>	CD RECEIVER
<b>Test Procedure Used :</b>	CD Play (1kHz)

**Test Number 1**

Test Name C:\Program Files\Schaffner Electrotest  
GmbH\Autostar\UserTests\Anzen\Pulse 2b.ust  
Test type NSG 5600 Pulse 2B ( SVV )  
Sequence Repetition Count 10

Test Status **PASS****Voltage**

Ua 13.5 V  
Us 10 V

**Timing Value**

tf 1 mS  
t6 1 mS  
tr 1 mS  
td 200 mS  
t2 2 S  
t1 5 S

**Resistance**

Resistance 0 ohms

**Battery**

Current Limit 5 A  
End of Test Voltage 13.5 V

**Comments**

Power down, and self recovery to the initial condition after stop pulse injection.

**General Conditions**

Ambient Temperature : 26 °C Humidity : Pressure :  
Tested by : Kimizuka  
Signature

**Autostar Test Report****TRANSIENT IMMUNITY TEST**  
**Standard: ISO7637-2**

Date : 14 Oct, 2009 Time : 11:44

**II | SCHAFNER**Schaffner Electrotest GmbH  
Hafenstrasse 1

97877 Wertheim

Germany

Tel +49 (0)9342 8750 Fax +49 (0)9342 87575

www.schaffner.com

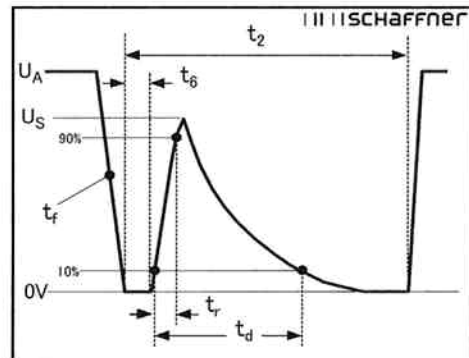
Company Name :	KENWOOD
Equipment Tested :	KDC-3047A
Serial Number :	PPE00006
Test Equipment used :	CD RECEIVER
Test Procedure Used :	CD Play (1kHz)

**Test Number 1**

Test Name C:\Program Files\Schaffner Electrotest  
GmbH\Autostar\UserTests\Anzen\Pulse 2b.ust

Test type NSG 5600 Pulse 2B ( SVV )

Sequence Repetition Count 10

Test Status **PASS****Voltage**

U<sub>a</sub> 13.5 V

U<sub>s</sub> 10 V

**Timing**

Timing	Value
t <sub>f</sub>	1 mS
t <sub>6</sub>	1 mS
t <sub>r</sub>	1 mS
t <sub>d</sub>	2000 mS
t <sub>2</sub>	4.05 S
t <sub>1</sub>	50 S

**Resistance**

Resistance 0 ohms

**Battery**

Current Limit 5 A

End of Test Voltage 13.5 V

**Comments**

Power down, and self recovery to the initial condition after stop pulse injection.

**General Conditions**

Ambient Temperature : 26 °C Humidity : Pressure :

Tested by : Kimizuka

Signature

**Autostar Test Report****TRANSIENT IMMUNITY TEST  
Standard: ISO7637-2**

Date : 14 Oct, 2009 Time : 13:28

**II | SCHAFNER**Schaffner Electrotest GmbH  
Hafenstrasse 1

97877 Wertheim

Germany

Tel +49 (0)9342 8750 Fax +49 (0)9342 87575

www.schaffner.com

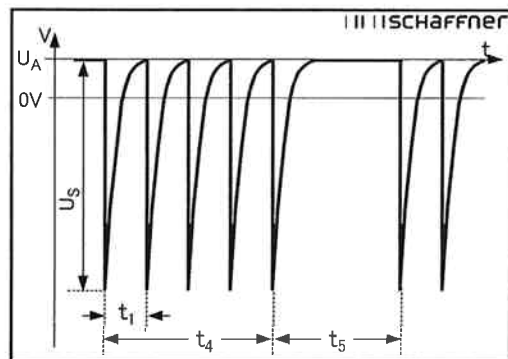
Company Name :	KENWOOD
Equipment Tested :	KDC-3047A
Serial Number :	PPE00006
Test Equipment used :	CD RECEIVER
Test Procedure Used :	CD Play (1kHz)

**Test Number 1**

Test Name C:\Program Files\Schaffner Electrotest  
GmbH\Autostar\UserTests\Anzen\Pulse 3a.ust

Test type FT 5530 Pulse 3A/B ( Burst )

Sequence Repetition Minutes 60

Test Status **PASS**

Parameter	Operation	From	To	Step Size	Fail Value
Pulse Voltage (Us)	Static	112 V	---	---	---
Pulse Period (1/t1)	Static	10 kHz (t1=100uS)	---	---	---

General	Value
Rise Time (tr)	5 nS
Output Resistance (Ri)	50 ohms
Pulse Width (td)	100 nS
Burst Interval (t5)	0.09 Seconds
Output Mode	NORMAL

No Pulse(t4/t1)	Value
No of Pulse (Np)	100
Burst Duration (t4)	10 mS

Battery	
Battery State	On
Voltage	13.5 V
Current Limit	5 A
End of Test Voltage	13.5 V

Polarity	
Polarity	Negative

**Comments**

**General Conditions**

Ambient Temperature : 26 °C Humidity : Pressure :

Tested by : Kimizuka

Signature

**Autostar Test Report****TRANSIENT IMMUNITY TEST**  
**Standard: ISO7637-2**

Date : 14 Oct, 2009 Time : 14:30

**|||SCHAFNER**Schaffner Electrotest GmbH  
Hafenstrasse 1

97877 Wertheim

Germany

Tel +49 (0)9342 8750 Fax +49 (0)9342 87575

www.schaffner.com

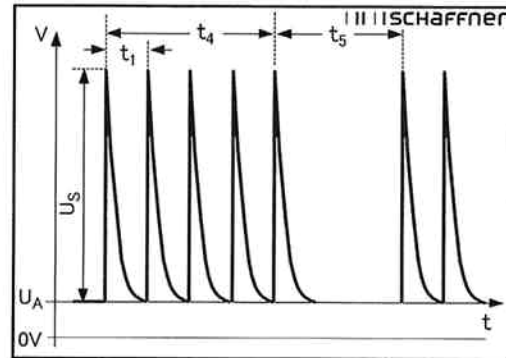
Company Name :	KENWOOD
Equipment Tested :	KDC-3047A
Serial Number :	PPE00006
Test Equipment used :	CD RECEIVER
Test Procedure Used :	CD Play (1kHz)

**Test Number 1**

Test Name C:\Program Files\Schaffner Electrotest  
GmbH\Autostar\UserTests\Anzen\Pulse 3b.ust

Test type FT 5530 Pulse 3A/B ( Burst )

Sequence Repetition Minutes 60

Test Status **PASS**

Parameter	Operation	From	To	Step Size	Fail Value
Pulse Voltage (Us)	Static	75 V	---	---	---
Pulse Period (1/t1)	Static	10 kHz (t1=100uS)	---	---	---

General	Value
Rise Time (tr)	5 nS
Output Resistance (Ri)	50 ohms
Pulse Width (td)	100 nS
Burst Interval (t5)	0.09 Seconds
Output Mode	NORMAL

No Pulse(t4/t1)	Value
No of Pulse (Np)	100
Burst Duration (t4)	10 mS

Battery	Value
Battery State	On
Voltage	13.5 V
Current Limit	5 A
End of Test Voltage	13.5 V

Polarity	Value
Polarity	Positive

**Comments**

**General Conditions**

Ambient Temperature : 26 °C Humidity : Pressure :

Tested by : Kimizuka

Signature



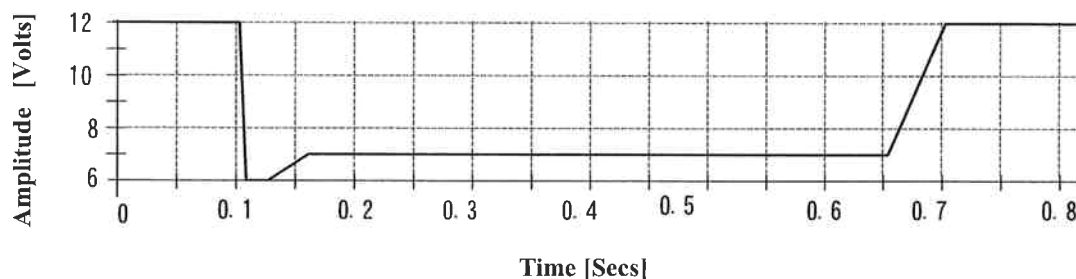
<h2 style="margin: 0;">Autostar Test Report</h2> <h3 style="margin: 5px 0 0 0;">TRANSIENT IMMUNITY TEST</h3> <p style="margin: 0 0 0 20px;"><b>Standard: ISO7637-2</b></p> <p style="margin: 10px 0 0 0;"><b>Date : 14 Oct, 2009 Time : 12:48</b></p>	<p style="margin: 5px 0 0 0;"><b>Schaffner Electrottest GmbH</b> Hafenstrase 1 97877 Wertheim Germany Tel +49 (0)9342 8750 Fax +49 (0)9342 87575 www.schaffner.com</p>
---	--

<b>Company Name :</b>	KENWOOD
<b>Equipment Tested :</b>	KDC-3047A
<b>Serial Number :</b>	PPE00006
<b>Test Equipment used :</b>	CD RECEIVER
<b>Test Procedure Used :</b>	CD Play (1kHz)

**Test Number 1**

Test Name	C:\Program Files\Schaffner Electrottest GmbH\Autostar\UserTests\Anzen\Pulse 4.ust
Test type	Double Arb : Master->NSG 5600 Pulse 4C ( SVV )
Sequence Repetition	Count 1

Test Status **PASS**



Segment Number		# 1	# 2	# 3	# 4	# 5	# 6	# 7
Amplitude	Mode	Static	Linear	Static	Linear	Static	Linear	Static
	Initial Value	12 Vpp	12 Vpp	6 Vpp	6 Vpp	7 Vpp	7 Vpp	12 Vpp
	Final Value	—	6 Vpp	—	7 Vpp	—	12 Vpp	—
Segment Duration	Value	100 ms	5 ms	20 ms	30 ms	0.5 Sec	50 ms	100 ms

Battery:            Current Limmit:    5 A                    Voltage:    12 V

**Comments**

A display puts out the light, and self recovery to the initial condition after stop pulse injection.

**General Conditions**

Ambient Temperature :	26 °C	Humidity :	Pressure :
Tested by :	Kimizuka		
Signature			



## VOLTAGE TRANSIENT EMISSION

Standard: ISO7637-2

Test Specification	2004/104/EC	Date	14 October, 2009
Model name	KDC-3047A	Temperature	26 deg. C.
Serial No.	PPE00002	Operator	Kimizuka
LIMIT	+75V/-100V		
Test mode	CTS-1000 PLAY (Tr.1/1kHz)		
Input power	DC 12V by Battery		
1/8W power	ON→OFF 2.4V/4ohm/ch VR Position : 21		

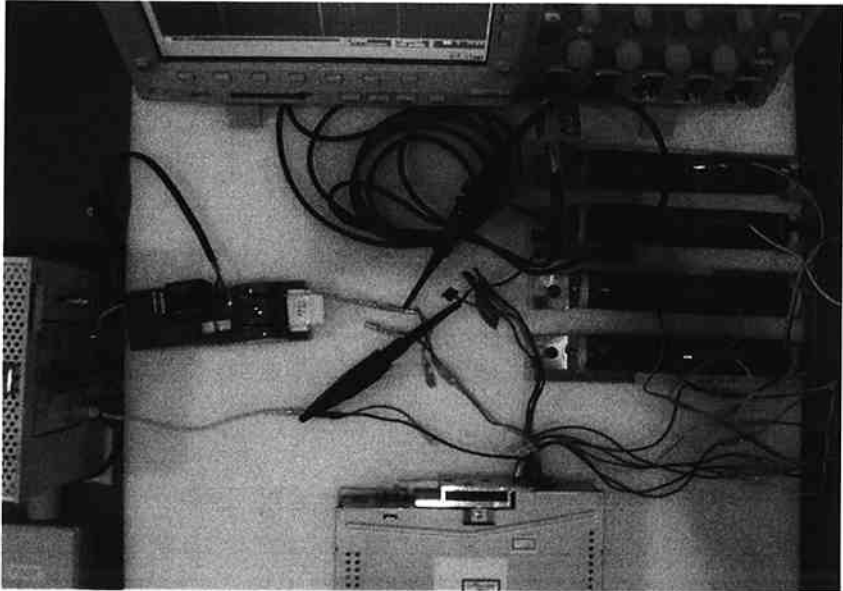
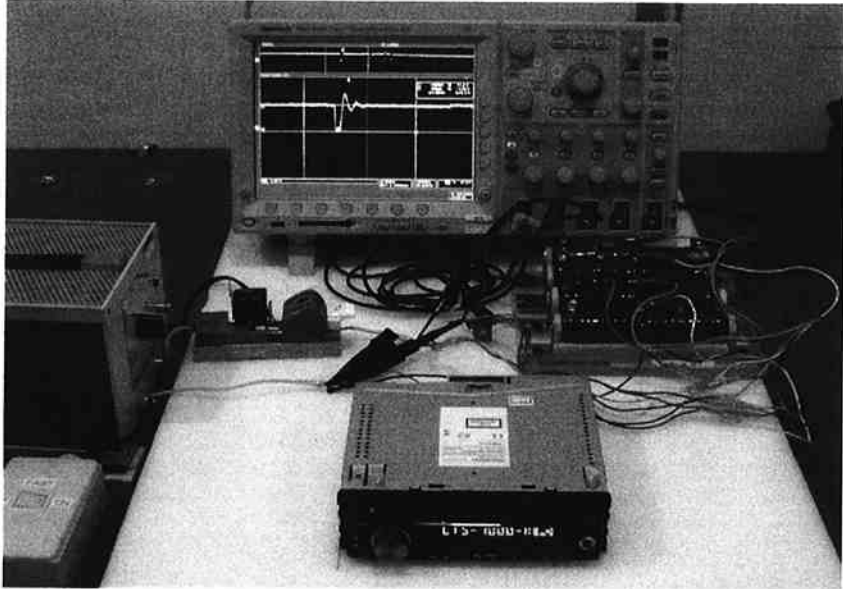
**Result Passed**

	Fast pulses				Slow pulses			
	OFF→ON		ON→OFF		OFF→ON		ON→OFF	
	Peak V(max)	Peak V(min)	Peak V(max)	Peak V(min)	Peak V(max)	Peak V(min)	Peak V(max)	Peak V(min)
1	0.7	-0.8	0.8	-0.6	0.8	-7.5	5.4	-13.2
2	0.8	-0.7	0.9	-1.2	0.7	-6.9	4.8	-13.9
3	0.9	-0.7	0.7	-0.8	0.7	-7.1	5.0	-12.9
4	0.7	-0.8	0.8	-1.2	1.1	-7.5	5.0	-13.3
5	0.7	-0.9	1.2	-1.0	1.0	-7.4	5.0	-14.6
6	0.7	-0.7	0.9	-1.8	0.9	-7.5	5.0	-13.3
7	0.7	-0.9	1.0	-0.6	0.7	-7.0	5.4	-13.9
8	0.7	-0.8	0.9	-1.1	0.9	-7.4	5.4	-13.2
9	0.7	-0.7	0.9	-1.1	0.8	-7.4	5.4	-13.1
10	0.9	-0.8	1.2	-1.3	0.8	-7.4	4.6	-14.6

## Photographs of Test Setup

Date : 14 October, 2009  
Model : KDC-3047A

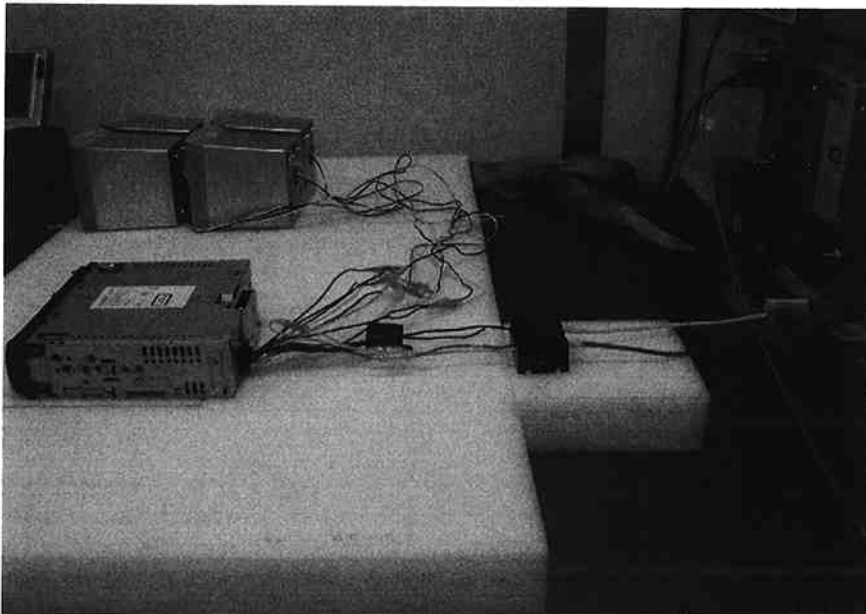
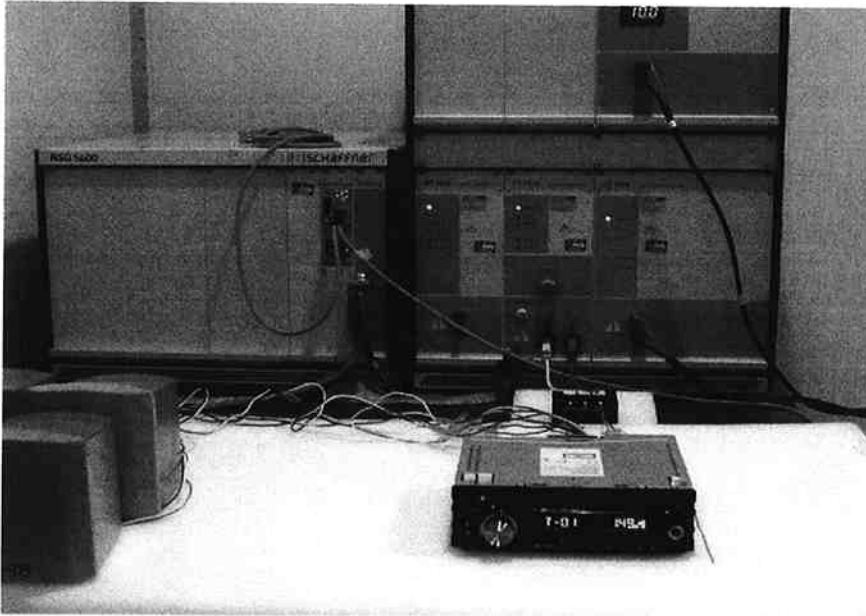
### Measurement of electrical transient emission (ISO7637-2)



## Photographs of Test Setup

Date : 14 October, 2009  
Model : KDC-3047A

### Measurement of electrical transient immunity (ISO7637-2)



## Photographs of Test Setup

Date : 14 October, 2009  
Model : KDC-3047A

Measurement of electrical radiated emission (2004/104/EC Annex 7&8)

