

Report of Measurements for TV Broadcast Receiver under FCC PART 15

Manufacture : LG Electronics Inc.
19-1, Chongho-Ri, Chinwuy-Myon
Pyungtaek-Shi, KyongKi-Do, 451-713, Korea

Model No. : ALGB420

Serial No. : N / A

Description of The equipment under test

Manufacturer : LG Electro-Components Ltd.

Model No. : TADC - H002F

Frequency range tuned by the receiver
: 54 - 806 MHz

This receiver meets FCC Regulations covering comparable systems of VHF and UHF TV tuning.

Measurement Procedure : EIA RS-378, MP-2, ANCI C63.4

Date of Measurements : October 23, 1998

Measurements Results : The results obtained from the measuring of this device are as shown in the attached sheets.
And comply with new rules adapted under Docket 87-389.

1. Peak Picture Sensitivity : UHF - VHF $\leq$ 8.0 dBuV

2. UHF Noise Figure : Meet noise figure of 14 dB

3. Radiation of VHF/UHF Portion : Highest ; 40.3 dBuV/m at 601MHz
(Limit : 46 dBuV/m)

4. Antenna Power conduction : Highest ; 37.5 dBuV at 1610MHz
(Limit : 51.8 dBuV)

YoungKyun Kim

Y . K . KIM

Research engineer

Multimedia Research Lab.

Multimedia Standards Team

1. Peak Picture Sensitivity : * Limit : UHF – VHF $\leq$ 8 dBuV

Result : 0.K

2. UHF Noise Figure

Channels (UHF)	Reading (dB)	Matching Loss(dB)	Noise Figures(dB)	Limit (dB)
14	10.4	1.75	8.15	14.0
19	10.2		7.95	
28	10.3		8.05	
36	10.3		8.05	
44	10.4		8.15	
53	10.3		8.05	
61	11.0		8.75	
69	11.8		9.55	
4.0dB substrated for Power splitter <0.3dB added for IF amp. contribution				

3. Radiated Emission Measurements

Frequency to which tuned		Frequency of the Emission (MHz)	Result at 3m (dBuV/m)	Limit at 3m (dBuV/m)
Channel	(MHz)			
2	55.25	101	<25.0	43.5
3	61.25	107	<25.0	43.5
4	67.25	113	<25.0	43.5
5	77.25	123	<25.0	43.5
6	83.25	129	<25.0	43.5
7	175.25	221	<25.0	46.0
8	181.25	227	<25.0	46.0
9	187.25	233	<30.0	46.0
10	193.25	239	<30.0	46.0
11	199.25	245	<30.0	46.0
12	205.25	251	<30.0	46.0
13	211.25	257	<30.0	46.0
14	471.25	517 1034	39.0 34.6	46.0 54.0
19	501.25	547 1094	40.0 36.4	46.0 54.0
28	555.25	601 1202	40.3 35.7	46.0 54.0
36	603.25	649 1298	39.7 36.7	46.0 54.0
44	651.25	697 1394	39.3 38.2	46.0 54.0
53	705.25	751 1502	38.6 37.4	46.0 54.0
61	753.25	799 1598	39.8 38.0	46.0 54.0
69	801.25	847 1694	38.4 39.0	46.0 54.0

4. Antenna Power Conduction Measurements

Frequency to which tuned		Frequency of the Emission (MHz)	Result (dBuV)	Limit (dBuV)
Channel	(MHz)			
2	55.25	101	<25.0	51.8
3	61.25	107	<25.0	
4	67.25	113	<25.0	
5	77.25	123	<25.0	
6	83.25	129	<25.0	
7	175.25	221	<25.0	
8	181.25	227	<25.0	
9	187.25	233	<25.0	
10	193.25	239	<25.0	
11	199.25	245	<25.0	
12	205.25	251	<25.0	
13	211.25	257	<25.0	
14	471.25	517 1034	33.70 32.50	
19	501.25	547 1094	34.10 32.80	
28	555.25	601 1202	32.70 31.50	
36	603.25	649 1298	33.00 31.70	
44	651.25	697 1394	32.60 <30.0	
53	705.25	751 1502	32.40 <30.0	
62	759.25	805 1610	33.40 37.50	
69	801.25	847 1694	34.20 35.00	

CERTIFICATE

Issued date : October 29, 1998

Model No. : **ALGB420**

Serial No. : N / A

FCC ID No. : **BEJ9QKE4910**

Manufacture : LG ELECTRONICS INC.

Trade name : Zenith

Applicant & : LG ELECTRONICS INC. ; 20, Yoido-Dong,
address Youngdungpo-Gu, Seoul, 150-721, KOREA

Regulation : Subpart B of Part 15, 47 C.F.R; FCC Rules (Docket 87-389)

Procedure : MP-3 ; ANSI C63.4

Test Location : LG Electronics Multimedia Research Lab.
Measurement facility (3 & 10 m site)

I hereby certify that the measurements shown in Part II of this report were made in accordance with the procedures indicated and energy emitted by this equipment was found to be within the limits applicable.

I further certify that on the basis of the measurements, the equipment tested is capable of operation in accordance with the requirements set forth in Part 15 of the FCC rules & Regulations under normal use and maintenance.

LG Electronics Inc. hereby assumes responsibility for the certification of compliance to applicable FCC limits in every measurements.

Issued by

Reviewed by

YoungKyun Kim

TaeKwang Lee

Y. K. Kim
Research engineer

T. K. Lee
Team Leader

LG Electronics Inc.
Pyungtaek Research Lab. Standards Team

19-1, Cheongho-Ri, Jinwuy-Myun, Pyungtaek-Shi, Kyunggi-Do, 451-713, KOREA
Tel: (0333)610-5354, FAX: (0333)610-5355, TLX: GSVTRK29493