	EMC LABORATORY TEST REPORT NO. : 04-IST-0139
Cert	ification of Compliance
	CFR 47 Part 15 Subpart B
Test Report File No.	04-IST-0139 <b>Date of Issue</b> June 09,2004
Model(s)	DV-T7D5N-QJ
Kind of Product	Video Cassette Recorder (TV Interface Device)
Applicant	Daewoo Electronics Corporation.
	543, Dangjung-Dong, Kunpo-City, Kyounggi-DO, Korea
Manufacturer	Daewoo Electronics Corporation.
Manuracturer	295, Gondan-dong, Kumi-city, Kyungsangbuk-do, Korea.
Test Result	☑ Positive
Reviewed By	Approved By
0	O: Aung
from	H. Cee que ung
U.R.LEE / E	MC Group Manager G. Chung / Chief
	uested : Measurement to the relevant
Subpart B - Unint	C rules and regulations Part 15 entional Radiatiors
-The test result only	appendix consists of 84 pages. responds to the tested sample.
-It is not allowed t the allowance of IS	o copy this report even partly without
-This equipment as	for has been shown to be capable of new with the applicable technical
standards as indica	ated in the measurement report and was nce with the measurement procedures

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specified in ANSI C63.4 2001.

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Test Conditions and Data - Emission		
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# Information OF TUNERS

Manufacture

Tuner Name SSTMI-US5

SAMSUNG Electric Co., Ltd.

## INFORMATIONS OF TEST LABORATORY

EMC LABORATORY of IST Co., Ltd.(*FCC Filing Lab*) San 21-8, Goan-Ri, Baekam-Myun, Yongin-City Kyonggi-Do, 449-860, Korea TEL : +82 31 333 4093 FAX : +82 31 333 4094

## ENVIRONMENTAL CONDITIONS

Temperature	22
Humidity	47 %
Atmospheric pressure	1002 mbar

## POWER SUPPLY SYSTEM USED

Power supply system

120Vac , 60Hz

# PRODUCT INFORMATIONS

Power supply system	120Vac / 60Hz
Power consumption	17W
Video signal	EIA STANDARD NTSC COLOR
RF input impedance	75 ohm Unbal. (U/V one input)
RF output impedance	75 ohm Unbal.
VHF output signal	Channel 3 or 4 (selectable)
Video input signal	Phono type 1.0 $\pm 0.2$ Vp-p sync negative 75ohms unbalance
Video output signal	Phono type 1.0 $\pm$ 0.2Vp-p sync negative 75ohms unbalance
Audio input signal	Phono type, -8.8dBm, more then 47k ohms unbalanced
Audio output signal	Phono type, -5.8dBm, less then 1k ohms unbalanced

-EMC suppression device is not used during the test.

-Please refer to user's manual.

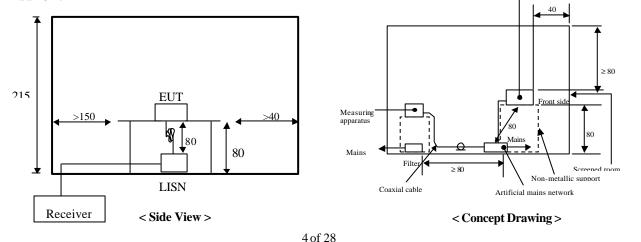
## DESCRIPTIONS OF TEST

#### Conducted Emissions:

The measurement were performed over the frequency range of 0.15MHz to 30MHz using a 50 /50uH LISN as the input transducer to a Spectrum Analyzer or a Field Intensity Meter. The measurements were made with the detector set for "Peak" amplitude within an bandwidth of 10KHz or for "quasi-peak" within a bandwidth of 9KHz.

#### - Procedure of Test

The line-conducted facility is located inside a shielded room No.1. A 1m X 1.5m wooden table 80cm height is placed 40cm away from the vertical wall and 1.5m away from the other wall of the shielded room. The R/S ESH3-Z5 and EMCO 3825/2 LISN are bonded to bottom of the shielded room. The EUT is located on the wooden table with distance more than 80cm from the LISN and powered from the EMCO LISN .The peripheral equipment is powered from the other LISN. Power to the LISNs are filtered by a noise cut power line filters. All electrical cables are shielded by braided tinned steel tubing with inner  $\phi$  1.2cm. If the EUT is a DC-powered device, power will be derived from the source power supply it normally will be powered from and this supply lines will be connected to the EMCO LISN. All interconnecting cables more than 1m were shortened by non-inductive bundling to a 1m length. Sufficient time for the EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating conditions. The RF output of the LISN was connected to the R/S receiver to determine the frequency producing the maximum emission from the EUT. The frequency producing the maximum level was reexamined using Quasi-Peak mode by manual measurement, after scanned by automatic Peak mode for frequency range from 0.15 to 30MHz. The bandwidth of the receiver was set to 10kHz. The EUT, peripheral equipment, and interconnecting cables were arranged and manipulated to maximize each EME Equipment under test emission.



## DESCRIPTION OF TEST

## Radiated Emissions:

The measurement was performed over the frequency range of 30MHz to 1GHz using antenna as the input transducer to a Spectrum analyzer or a Field Intensity Meter. The measurement was made with the detector set for "quasi-peak" within a bandwidth of 120KHz.

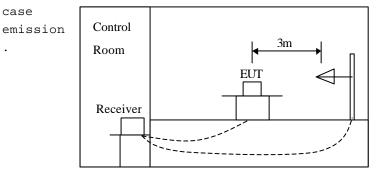
#### - Procedure of Test

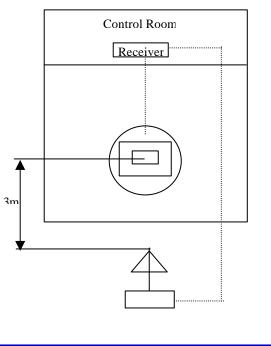
case

Preliminary measurements were made at 3 meter using bi-conical and log-periodic antennas, and spectrum analyzer to determine the frequency producing the max. emission in anechoic chamber. Appropriate precaution was taken to ensure that all emission from the EUT were maximized and investigated. The system configuration, mode of operation, turn table azimuth and height with respect to the antenna were noted for each frequency found. The spectrum was scanned from 40MHz to 300MHz using S/B biconical antenna and 300 to 1000MHz using S/B log-periodic antenna. Above 1GHz, linearly polarized double ridge horn antennas were used. Final measurements were made at open site with 3-meters test distance using S/B bi-log antenna or horn antenna. The OATS have been verified in regular for its normalized site attenuations. The test equipment was placed on a wooden table. Sufficient time for the EUT, peripheral equipment, and test equipment was allowed in order for them to warm up to their normal operating condition. Each frequency found during pre-scan measurements was reexamined by manual. The detector function was set to CISPR quasi-peak mode and the bandwidth of the receiver was set to 120kHz or 1MHz depending on the frequency of type of signal. The EUT, peripheral equipment and interconnecting cables were reconfigured to the set-up producing the max. emission for the frequency and were placed on top of a 0.8-meter high nonmetallic 1 x 1.5 meter table. The EUT, peripheral equipment, and interconnecting cables were re-arranged and manipulated to

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each maximize emission. The turntable containing the system was rotated; the antenna height was varied 1 to 4 meters and stopped at the azimuth or height producing the maximum emission. Each emission was maximized by: varying the mode of operation to the EUT and/or peripheral equipment and changing the polarity of the antenna, whichever determined the worst-





## DESCRIPTION OF TEST

#### Output Signal level measurements :

The RF output of the TV interface device was fed to the TV receiver via coaxial cable. The signal level was measured by direct connection to the spectrum analyzer with 50/75 ohm matching transformer between the spectrum analyzer and the TV interface device. The RF output signal level measured RMS voltage was the highest RF level present at the output terminals during normal use of the device. Measurements were made of the levels of both the visual(61.25 MHz) and aural(71.25 MHz) of TV channel 3 and 4. The voltage corresponding to the peak envelope power of the video modulated signal during maximum amplitude peaks across a resistance(R ohms) matching the rated output impedance of the device. The voltage corresponding to peak envelope power of the audio modulated signal, if provided by the TV interface device, must not exceed 77.5 times the square root of (R)[uV] for all other TV interface device.(Sec 15.115 (b).(1).(ii))

## Output Terminal Conducted Spurious Emission :

The RF output signal was fed to the TV receiver with coaxial cable. The measurements were made by direct connection to the spectrum analyzer and TV interface device with 50/75 ohm matching transformer. The frequency range 30 to 1000MHz was investigated for significant emission. The maximum RMS voltage of any emission appearing on frequencies removed by than 4.6MHz below or 7.4MHz above the video carrier frequency on which the TV interface device is operated must not exceed 10.95 timed the square root of (R) [uV](Sec 15.115 (b).(2).(ii)) This represents the 30dB attenuation.

#### Transfer Switch Isolation Measurement :

The measurements were made of the maximum RMS voltage at the antenna terminals of the switch for all positions of the transfer switch. The maximum voltage corresponds to the peak envelope power of the video signal during maximum amplitude peaks. In either position of the receiver transfer switch, the maximum voltage at the receiving antenna input terminals of the switch when terminated with a resistance (R ohms) matching the rated impedance of the antenna input of the switch, must not exceed 0.346 times the square root of (R) [uV]. (Sec 15.115 (c).(1).(ii))

## SUMMARY

The requirements are	MET	Not MET
Minimum limit margin	9.9 dB at 0.2	65 MHz
Maximum limit exceeding		
Remarks : With neutral phase, for average	ge detect mode	
(VCR Playback mode , Tuner: s	SSTMI-US5 (SAMSUNG)	
Radiated Emission		
The requirements are	MET	Not ME'
Minimum limit margin	6.5 dB at 66.	8 MHz
Maximum limit exceeding		
Remarks : VCR Record mode (Tune r: ssi	TMI-US5 (SAMSUNG))	
Output Signal Level Measurements		
The requirements are	MET	Not ME
Minimum limit margin		
Maximum limit exceeding		
<b>Remarks : Limits are kept with more than</b> Output Terminal Conducted Spurious		
Output Terminal Conducted Spurious	Emission_	Not ME
		Not ME
Output Terminal Conducted Spurious The requirements are	Emission_	Not ME
Output Terminal Conducted Spurious The requirements are Minimum limit margin	Emission MET	Not ME
Output Terminal Conducted Spurious The requirements are Minimum limit margin Maximum limit exceeding	<u>Emission</u> MET n <b>10dB margin</b>	Not ME
Output Terminal Conducted Spurious The requirements are Minimum limit margin Maximum limit exceeding Remarks: Limits are kept with more than	<u>Emission</u> MET n <b>10dB margin</b>	
Output Terminal Conducted Spurious The requirements are Minimum limit margin Maximum limit exceeding Remarks: Limits are kept with more than Transfer Switch Isolation Measureme	<u>Emission</u> MET n <b>10dB margin</b> ents	
Output Terminal Conducted Spurious The requirements are Minimum limit margin Maximum limit exceeding Remarks: Limits are kept with more than Transfer Switch Isolation Measureme The requirements are	<u>Emission</u> MET n <b>10dB margin</b> ents	
Output Terminal Conducted Spurious The requirements are Minimum limit margin Maximum limit exceeding Remarks: Limits are kept with more than Transfer Switch Isolation Measureme The requirements are Minimum limit margin	<u>Emission</u> MET n <b>10dB margin</b> <u>ents</u>	
Output Terminal Conducted Spurious The requirements are Minimum limit margin Maximum limit exceeding Remarks: Limits are kept with more than Transfer Switch Isolation Measureme The requirements are Minimum limit margin Maximum limit exceeding	<u>Emission</u> MET n <b>10dB margin</b> <u>ents</u>	
Output Terminal Conducted Spurious The requirements are Minimum limit margin Maximum limit exceeding Remarks: Limits are kept with more than Transfer Switch Isolation Measureme The requirements are Minimum limit margin Maximum limit exceeding	Emission MET n 10dB margin MET MET n 3dB margin Prepared By	Not ME

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Note

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# TEST CONDITIONS AND DATA

## Conducted Emissions

#### [Applicable]

Test Equipment Used

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

Model Name	Manufacturer	Descriptions	
ESH3	Rohde & Schwarz	Test Receiver	
ESH3-Z2	Rohde & Schwarz	Pulse Limiter	
ESH3-Z5	Rohde & Schwarz	LISN	
EZM	Rohde & Schwarz	Spectrum Monitor	
PM5418	FLUKE	Pattern Generator	

## Auxiliary Equipment Used

Model Name	Manufacturer	Descriptions	
14C5NT	Daewoo Electronics.	Color TV Receiver	

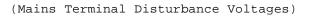
#### Accessories including cables

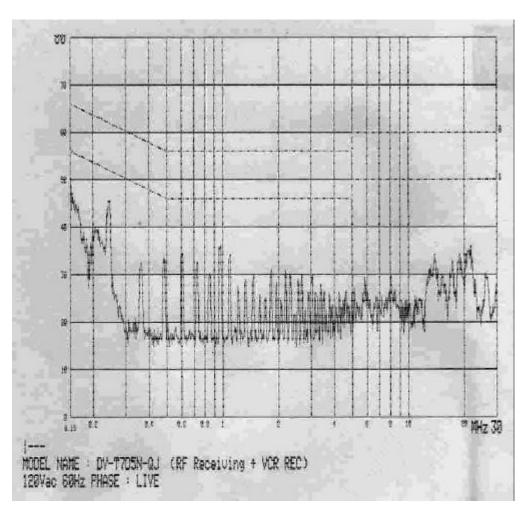
Name	Length	Port and Descriptions
RCA	1.5m	Video / Audio

Environmental Conditions	
Temperature	22
Humidity	48 %
Atmosphere pressure	1001 mbar
Test Program	RF Receiving during VCR REC, VCR Playback Mode
Test Area	Shielded Room #3

Note :

## Conducted Emissions

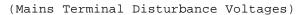


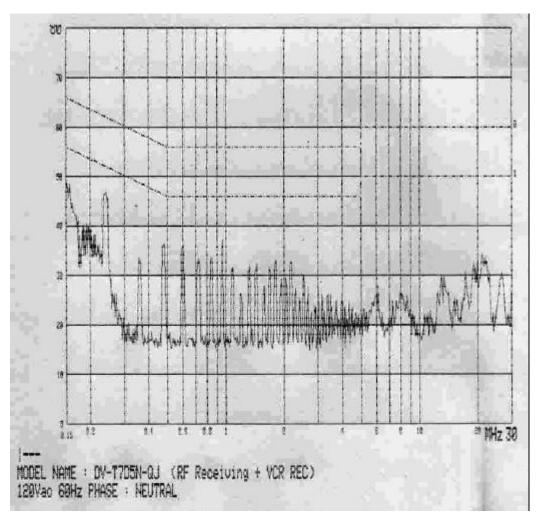


Tuner : SSTMI-US5 (SAMSUNG)

Freq. [MHz]	Measurement [dB µV]		Limit [dB µV]			rgin dB]
	Q-peak	Average	Q-peak	Average	Q-peak	Average
0.150	46.4	17.5	66.0	56.0	19.6	38.5
0.243	45.0	40.5	62.0	52.0	17.0	11.5
0.970	35.2	25.4	56.0	46.0	20.8	20.6

## Conducted Emissions

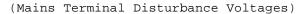


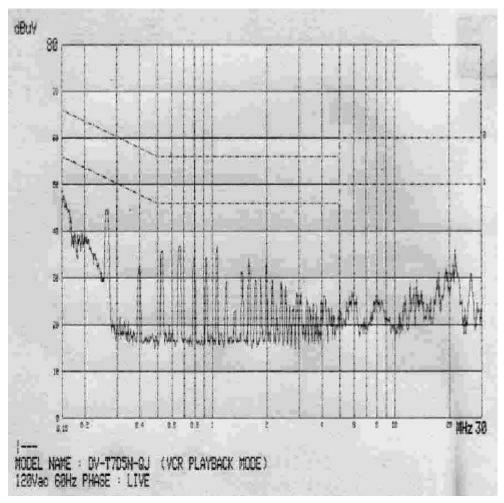


Tuner : SSTMI-US5 (SAMSUNG)

Freq. [MHz]	Measurement Limit [dB µV] [dB µV]					rgin dB]
[]	Q-peak	Average	Q-peak	Average	Q-peak	Average
0.152	46.4	17.6	65.9	55.9	19.5	38.3
0.241	45.3	41.3	62.1	52.1	16.8	10.8
0.975	36.6	16.6	56.0	46.0	19.4	29.4

## Conducted Emissions



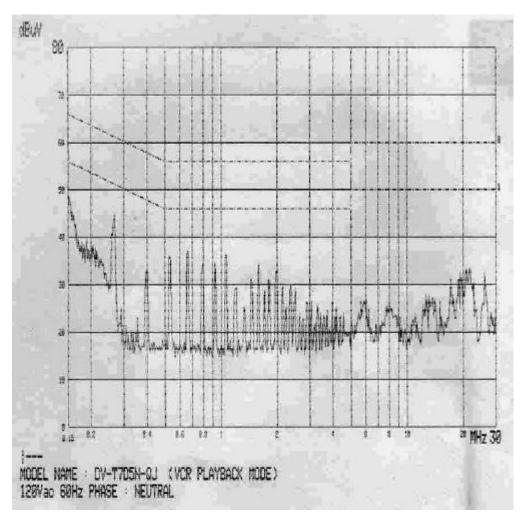


Tuner : SSTMI-US5 (SAMSUNG)

Freq. [MHz]		rement μV]		mit 3 μV ]		rgin dB]
	Q-peak	Average	Q-peak	Average	Q-peak	Average
0.150	45.9	19.9	66.0	56.0	20.1	36.1
0.265	43.7	40.9	61.3	51.3	17.6	10.4
1.060	35.3	26.3	56.0	46.0	20.7	19.7

## Conducted Emissions





Tuner : SSTMI-US5 (SAMSUNG)

		rement µV]		mit 3 μV ]		rgin dB]
[]	Q-peak	Average	Q-peak	Average	Q-peak	Average
0.150	46.2	20.1	66.0	56.0	19.8	35.9
0.265	43.7	41.3	61.3	51.3	17.5	9.9
0.661	38.1	30.8	56.0	46.0	17.9	15.2

# TEST CONDITIONS AND DATA

#### Radiated Emissions

## [Applicable]

Test Equipment Used

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

Model Name	Manufacturer	Descriptions	
ESVP	Rohde & Schwarz	Test Receiver	
VULB9160	Schwarzbeck	Antenna	
EZM	Rohde & Schwarz	Spectrum Monitor	
PM5418	FLUKE	Pattern Generator	

Auxiliary Equipment Used

Model Name	Manufacturer	Descriptions	
14C5NT	Daewoo Electronics.	Color TV Receiver	

Accessories including cables

Name	Length	Port and Descriptions
RCA	1.5m	Video / Audio

Environmental Conditions	
Temperature	21
Humidity	50 %
Atmosphere pressure	1000mbar
Test Program	RF Receiving during VCR REC, VCR Playback Mode,
Test Area	Open Area Test Site #2

Note :

# Radiated Emissions

(Disturbance Radiation)

#### [Applicable]

#### Tuner : SSTMI-US5 (SAMSUNG)

System	CH	Freq. (MHz)	Pol. (H/V)	Limits (dBuV/m)	Result (dBuV/m)	Margin (dB)
RF Receiving		66.8	V	40.0	33.5	6.5
during		86.1	V	40.0	32.4	7.6
VCR record		114.9	V	43.5	33.9	9.6
		129.2	Н	43.5	32.7	10.8
		143.4	Н	43.5	33.2	10.3
VCR Playback		66.4	Н	40.0	33.1	6.9
Mode		86.0	Н	40.0	32.1	7.9
		129.2	Н	43.5	32.5	11.0
		143.4	V	43.5	33.7	9.8

End of data

Note :

# TEST CONDITIONS AND DATA Output Signal Level Measurements

Test Equipment Used

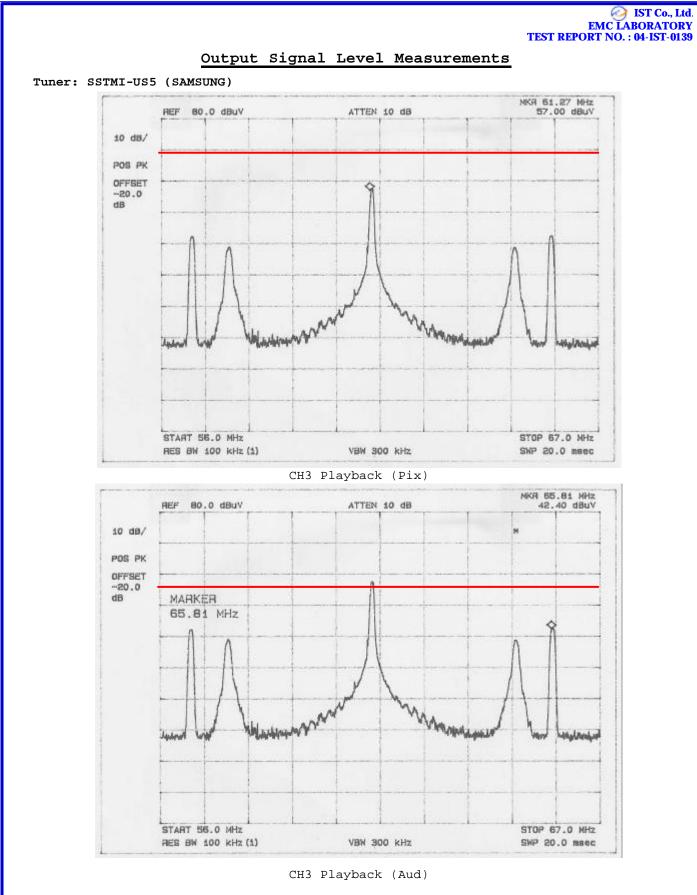
Model Name	Manufa	cturer	Description
8566B	Hewlett	2 Packard	Spectrum Analyzer
85685A	Hewlett	2 Packard	RF preselector
RAM	Rohde 8	& Schwarz	Matching Pad
PM5418	FLUKE		Pattern Generator
Auxiliary Equi	pment Used		
Model Name		Manufact	turer Descriptions
14C5NT	I	aewoo Elec	tronics. Color TV Receiver
Accessories in	cluding cable:	5	
Name	Length	Po	rt and Descriptions
RCA	1.5m	Video /	Audio
Temperature Humidity	4	22 17 <b>%</b>	
Atmosphere p	pressure 1	.002mbar	
Test Program	Playback	and record	l mode
Test Area	Compact (	Chamber	
Note : Limit Cal			
For Video			
346.4	$X 75^{1/2} = 2999$	uV = 69.540	dBuV = -37.46 dBm
For Audio			
77.5 X	$75^{1/2} = 671.17$	7uV = 56.53	3dBuV = -50.46 dBm
The test	were performe	d with RF	receiving as VITS. The VITS signals, 1V and 5V
peak-to-pe	eak, were used	l for chann	el 3 and channel 4 with alternate. The above
test prog	ram were emplo	yed for ea	ch channel.

# Output Signal Level Measurements

TV CH.	Freq.(MHz)	Level(dBuV)	Limit(dBuV)	Mode	Margin(dB)
3(Pix)	61.27	57.0	69.54	Playback	12.54
3(Aud)	65.81	42.4	56.53	Playback	14.13
3(Pix)	61.28	57.5	69.54	Record	12.04
3(Aud)	65.82	42.4	56.53	Record	14.13
4(Pix)	67.28	56.8	69.54	Playback	12.74
4(Aud)	71.80	41.4	56.53	Playback	15.13
4(Pix)	67.27	56.9	69.54	Record	12.64
4(Aud)	71.80	41.3	56.53	Record	15.23

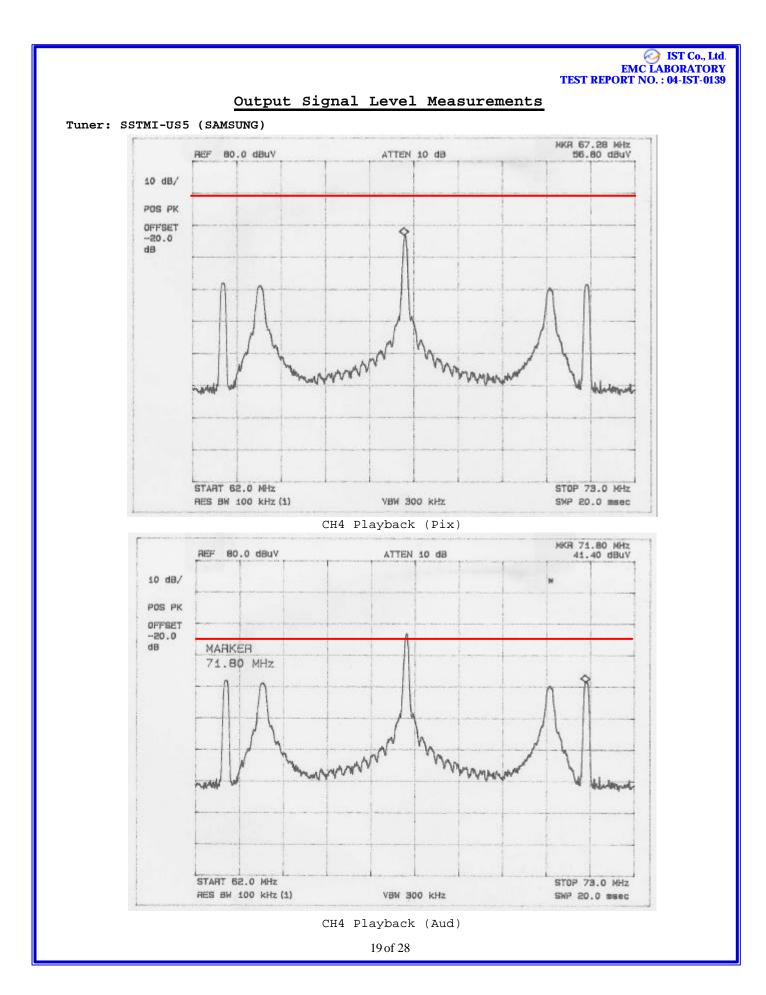
Output Signal Tabulated Data with Tuner

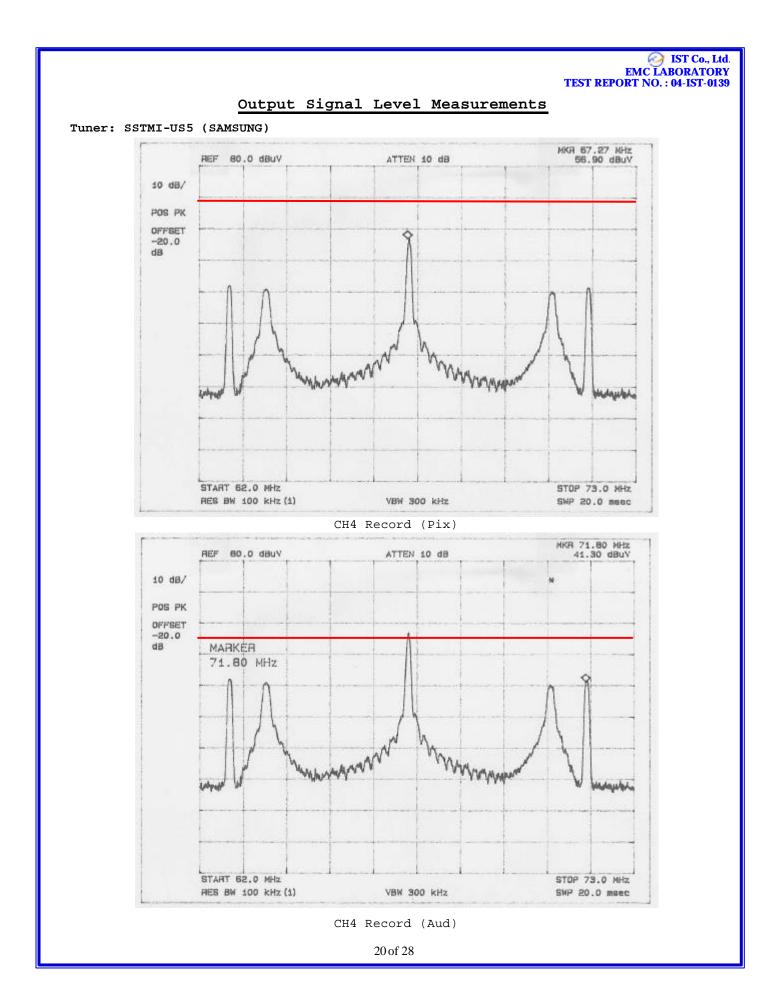
(SAMSUNG Co., Ltd. Model: SSTMI-US5)



IST Co., Ltd. EMC LABORATORY TEST REPORT NO. : 04-IST-0139 Output Signal Level Measurements Tuner: SSTMI-US5 (SAMSUNG) MKA 61,28 NHz 57.50 dBuV REF 80.0 dBuV ATTEN 10 dB 10 dB/ ы POS PK OFFSET dB margane mummerm MANAN START 56.0 MHz STOP 67.0 MHz SWP 20.0 msec RES BW 100 kHz (1) VBW 300 kHz CH3 Record (Pix) MKR 65.82 MHz 42.40 dBuV REF 80.0 dBuV ATTEN 10 dB 10 dB/ POS PK OFFSET -20.0 dB MARKER 65.82 MHz mannann manner holesheles HAMP START 56.0 MHz STOP 67.0 MHz RES BW 100 kHz (1) VBW 300 kHz SWP 20.0 msec CH3 Record (Aud)







# TEST CONDITIONS AND DATA Output Terminal Conducted Spurious Emission

Test Equipment Used

Model Name	Manuf	acturer	Description
8566B	Hewlett	Packard	Spectrum Analyzer
85685A	Hewlett	Packard	RF preselector
RAM	Rohde &	Schwarz	Matching Pad
PM5418	FLUKE		Pattern Generator
Auxiliary Equi	pment Used		
Model Name	:	Manu	facturer Descriptions
14C5NT		Daewoo I	Electronics. Color TV Receiver
Accessories ir	ncluding cab	les	
Name	Length		Port and Descriptions
RCA	1.5m	Vide	o / Audio
Environmental	Conditions		
Temperature		22	
Temperature Humidity		22 47 %	
Humidity	pressure	47 %	r
Humidity	pressure	47 %	
Humidity Atmosphere	pressure	47 % 1002mba:	
Humidity Atmosphere	pressure Playba	47 % 1002mba:	
Humidity Atmosphere Test Program	pressure Playba Compac	47 % 1002mbar ck and rea t Chamber	cord mode
Humidity Atmosphere Test Program Test Area te : Limit Cal	pressure Playba Compac	47 % 1002mbar ck and re t Chamber ec 15.115(	cord mode (b)(2)(ii))
Humidity Atmosphere Test Program Test Area te : Limit Cal 10.95 X 7	pressure Playba Compac culation (S 25 <sup>1/2</sup> uV = 95	47 % 1002mbar ck and re t Chamber ec 15.115( uV = 39.55	cord mode (b)(2)(ii)) 5 dBuV
Humidity Atmosphere Test Program Test Area te : Limit Cal 10.95 X 7	pressure Playba Compac culation (Se	47 % 1002mbar ck and re t Chamber ec 15.115( uV = 39.55	cord mode (b)(2)(ii)) 5 dBuV
Humidity Atmosphere Test Program Test Area te : Limit Cal 10.95 X 7 plus 30	pressure Playba Compac culation (S 25 <sup>1/2</sup> uV = 95 dB = 69.55d	47 % 1002mbar ck and red t Chamber ec 15.115( uV = 39.55 BuV = -37.	cord mode (b)(2)(ii)) 5 dBuV

39.55dBuV in following test plots except the modulated signals.

The test were performed with color bar as VITS. The VITS signals, 1V and 5V peak-to-peak, were used for channel 3 and channel 4 with alternate. The above test program were employed for each channel.

# Output Terminal Conducted Spurious Emission

TV CH	Freq.(MHz)	Level(dBuV)	Limit(dBuV)	Mode	Margin(dB)
3	61.00	54.4	69.55	Playback	15.15
3	61.00	54.0	69.55	Record	15.55
4	66.90	52.8	69.55	Playback	16.75
4	66.90	50.2	69.55	Record	19.35

Spurious Emission Tabulated Data with Tuner (Samsung Electronic Co., Ltd. Model: **SSTMI-US5**)

IST Co., Ltd. EMC LABORATORY TEST REPORT NO. : 04-IST-0139 Output Terminal Conducted Spurious Emission Tuner: SSTMI-US5 (SAMSUNG) MKR 61.0 MHz 54.40 dBuV REF 80.0 dBuV ATTEN 10 dB 10 dB/ POS PK OFFRET -20.0 0 dB 1 Helippingaran Hildelagan Andre have have been were and the second of the START 30 MHz STOP 1.000 GHz RES BW 100 kHz (1) VBW 300 kHz SWP 290 meec CH3 Playback MKR 61.0 MHz 54.00 dBuV REF 80.0 dBuV ATTEN 10 dB 10 dB/ POS PK OFFSET -20.0 dB \$ ind heredelige here and here have not the derest of the hered produce a spectrum and a second segure START SO HHZ STOP 1.000 GHz RES BW 100 kHz (1) VBW 300 kHz SWP 290 msec

CH3 Record

IST Co., Ltd. EMC LABORATORY TEST REPORT NO. : 04-IST-0139 Output Terminal Conducted Spurious Emission Tuner: SSTMI-US5 (SAMSUNG) MKR 66.9 MHz 52.80 dBuV REF 80.0 dBuV ATTEN 10 dB 10 dB/ POS PK OFFSET -20.0 dB \$ and include a particular and a particular and a particular particular and the second and a particular and a START 30 MHz STOP 1.000 GHz HES BW 100 kHz (1) VBW 300 kHz SWP 290 msec CH4 Playback MKR 66.9 MHz 50.20 dBuV ATTEN 10 dB REF 80.0 dBuV 10 dB/ POS PK OFFSET -20.0 dB 0 basiging an a suggest up grown to my source and my stranger when the standing to be and prove and the same START 30 MHZ STOP 1.000 GHz SWP 290 msec RES BW 100 kHz (1) VBW 300 kHz

CH4 Record

# TEST CONDITIONS AND DATA Transfer Switch Isolation Measurement

Test Equipment Used

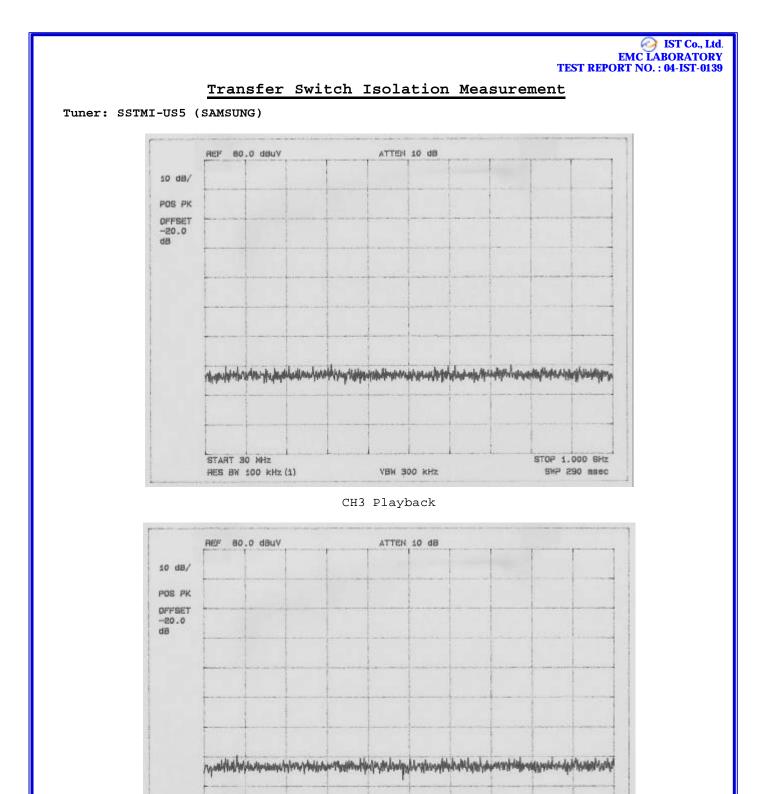
Model Name	Manufad	cturer	Descr	iption	
8566B	Hewlett Pa	ackard	Spectrum A	Analyzer	
85685A	Hewlett Pa	ackard	RF presele	ector	
RAM	Rohde & So	chwarz	Matching H	Pad	
PM5418	FLUKE		Pattern Ge	enerator	
Auxiliary Equi	pment Used				
Model Name		Manu	facturer	Descriptions	
14C5NT		Daewoo H	Electronics.	Color TV Receiver	
Accessories in	cluding cable	es			
Name	Length		Port and De	scriptions	
RCA	1.5m	Vide	o / Audio		
Environmental	Conditions				
Temperature		22			
Humidity		47 %			
Atmosphere	pressure	1002mbaı	c .		
Test Program	Playbac	and rea	cord mode		
Test Area	Compact	Chamber			
				re made on the Channel 3 .	
			61.25 and 67	2.25 MHz and both position	1
of the tr	ansfer switcl	1.			
Timit and			(-) ( -) () )		
	culation(Sec				
0.346	$X \ 75^{1/2} = 2.9$	96uv = 9	.53aBuv = -9	/.46 <i>aB</i> m	
	- wara parfar	mod with	color bar a	a VITTO The VITTO aignala	111 and Ell
				s VITS. The VITS signals,	
				channel 4 with alternate	. The above
lest prog	ram were empi	.oyea IOI	each channe	<i>: .</i>	

# Transfer Switch Isolation Measurement

TV CH	Freq.(MHz)	Level(dBuV)	Limit(dBuV)	Mode	Margin(dB)
3	61.25	5.78	9.53	Playback	3.75
3	61.25	5.75	9.53	Record	3.78
4	67.25	5.65	9.53	Playback	3.88
4	67.25	5.62	9.53	Record	3.91

Transfer Switch Tabulated Data with Tuner

(Samsung Electronic Co., Ltd. Model: SSTMI-US5)





VBW 300 kHz

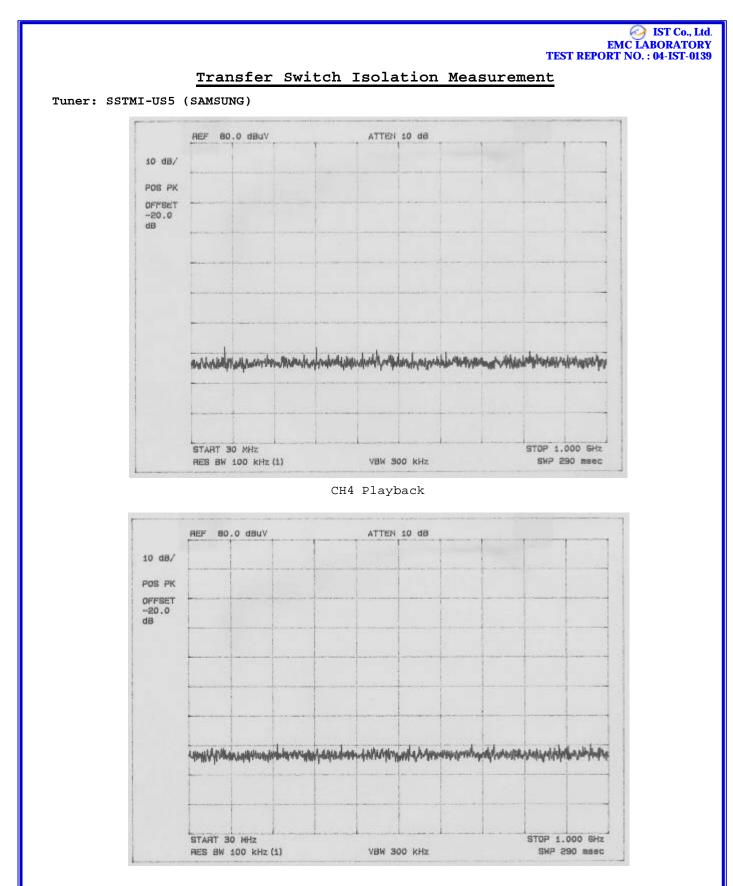
STOP 1.000 GHz

SWP 290 msec

START 30 NHZ

RES BW 100 kHz (1)

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CH4 Record