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Project: 11CA12563

File: TC8374

Report: 11CA12563-FCC

Date: Apr 18, 2011 Model: 0240030990

FCC Certification Report

For

LCD Color Display

ADVAN Int'l Corp.
47817 Fremont Blvd. Fremont CA 94538, Fremont, California, U.S.A

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Project Number: 11CA12563

12563

File Number TC8352

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Model Number:

0240030990

Client Name: ADVAN Int'l Corp.

Summary of Test Results:

The foll	The following tests were performed on a sample submitted for evaluation of compliance with 47 CFR Part					
15.107 (15.107 (a) / 47 CFR Part 15.109 (g) Class B.					
Test	Test Name Compliant Not See Remark					
#	Test Requirement/Specification Compliant					
1	AC Power line Conducted Emission Test	X	-	-		
2	Radiated Emission Test	X	-	-		

Conclusion:

The tests listed in the Summary of Testing section of this report have been performed as a witness testing and the results recorded by UL Korea Ltd. in accordance with the procedures stated in each test requirement and specification. The test list was determined by the Applicant as being applicable to the Equipment Under Test. As a result, the subject product has been verified to comply or not comply as noted in the Summary of Testing with each test specification. The test results relate only to the items tested.

TD1			1		1
I ne	equip	ment	under	test	nas

Apr 18, 2011

✓ Met the technical requirements✓ Not met the technical requirements

Tested by Sung Hoon Baek, Project Engineer Conformity Assessment Services – 3014ASEO UL Korea Ltd.

hunglatoon

Reviewed by

Kyungyong, Kim, EMC Section Manager Conformity Assessment Services – 3014ASEO UL Korea Ltd.

Kayonng Erm

Apr 19, 2011

Project Number: 11CA12563 File Number TC8352 Page 3 of 50

Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

Test Report Details

Test Report No: 11CA12563-FCC

File No TC8352

Tests Performed By: UL Korea Ltd.

33rd FL. GFC Bldg. 737 Yeoksam-dong, Kangnam-ku, Seoul, 135-

984, Korea

Test Site: CHUNGBUK TECHNOPARK

685-3 Yangcheong-ri, Ochang-eub, Cheongwon-kun, Chungbuk-

province, Republic of Korea

The test facility was deemed to have the environment and capabilities

necessary to perform the tests included in the test package.

Applicant: ADVAN Int'l Corp.

47817 Fremont Blvd. Fremont CA 94538, Fremont, California,

U.S.A

Manufacturer: ADVAN Int'l Corp.

47817 Fremont Blvd. Fremont CA 94538, Fremont, California,

U.S.A

Factory D&T Inc.

59-9 JANG-DONG YUSEONG-GU DAEJEON 305-343 KOREA

Trademark: N/A

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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

Applicant Contact: Jun Ho Jang

Title: Regulatory Manager

Phone: 82-2-703-5197

E-mail: andyjang@advancorp.com

Product Type: LCD Color Display

Model Number: 0240030990

Model Number multiple 240-030-990, WiSeTM HDTV SURGICAL DISPLAY

listing:

The manufacturer has declared to all the multiple Model names into

the basic Model without any further evaluation by UL.

Product standards: 47 CFR Part 15.107(a) / 47 CFR Part 15.109(g) Class B.

Test Procedure ANSI C63.4: 2003

Sample Serial Number: N/A

Sample Receive Date: March 21, 2011
Testing Start Date: March 22, 2011
Date Testing Complete: April 8, 2011
Test Report Date: April 13, 2011

Overall Results: Pass

UL Korea Ltd. reports apply only to the specific samples tested under stated test conditions. All samples tested were in good operating condition throughout the entire test program. It is the manufacturer's responsibility to assure that additional production units of this Model are manufactured with identical electrical and mechanical components. UL Korea Ltd. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from UL Korea Ltd. issued reports.

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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

1. General product description

1.1 Equipment Description

Description:

The 0240030990 is intended for use by general surgeons, gynecologists, urologists, thoracic, orthopedic, NT, and plastic surgeons adequately trained in these surgical procedures.

1.2 Details of Test Equipment (EUT)

	Equipment Configuration:						
No.	Product Type	Manufacturer	Model	Comments			
1	LCD Color Display	ADVAN Int'l Corp.	0240030990	-			
2	AC/DC Adapter	BridgePower Corp.	JMW1100KB1300F**	Stryker P/N:240-030-992			
3	DVI cable	-	-	1 EA			
4	VGA cable	-	-	1 EA			
5	Optical DVI cable	-	-	1 EA			
6	BNC cable	-	-	1 EA			
7	S-Video cable	-	-	1 EA			

1.3 Technical Data:

Specification					
	Display				
LCD Display Panel 18.95 Inches (481.33mm) Diagonal (a-Si TFT Active Matrix LCD)					
Synchronization	2.5 - 5.0 Vpp separated sync				
Pixel Pitch	0.2835 (H) × 0.2835 (V)				
Response Time	<5ms Typ				
View Angle Right/Left 80 (Typ), Up 75 (Typ), Down 85 (Typ)					
Display Colors 16.7 million colors					
Native Resolution	ntive Resolution $1440 \text{ (H) dots} \times 900 \text{ (V) lines}$				
Input Signal $ \begin{array}{c} 1 \times DVI \;,\; 1 \times VGA \;,\; 1 \times HD/SD\text{-}SDI \;,\; 1 \times C\text{-}Video/SOG \\ 1 \times S\text{-}Video \;,\; 1 \times Component \; (Y/G, Pb/B, Pr/R, H/CS, VS) \\ 1 \times Optical \; (Optional) \\ \end{array} $					
Maximum Pixel Clock	160MHz				
	Electrical				
Power Adapter 100-240 VAC; 13 VDC					
Power Consumption	90W (Max)				
Current	Direct				

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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

Dimensions				
Dimensions (W × H × D) $ \frac{462.3(W) \times 340.8(H) \times 106.7(D) \text{ (mm)}}{18.2(W) \times 13.4(H) \times 4.2(D) \text{ (inch)}} $				
Weight 12.79 lbs / 5.8Kg				
VESA Mounting Interface	VESA 100 × 100 mm VESA 75 × 75 mm			
	Operating Conditions			
Operating Temperature	41 to 104°F (5 to 40°C)			
Relative Humidity	30 to 95%			
Electrical Input Rating 13V DC 6.92A				

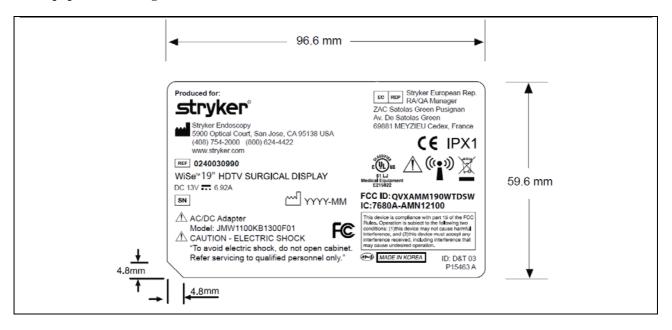
1.4 EUT Internal operating frequency

Frequency (MHz)	Description
106.47 MHz	Display Clock
192.38 MHz	Memory Clock

1.5 Technical descriptions and documents:

No.	Document Title and Description					
1	WiSe TM 19" HDTV Surgical Display Manual					
Note	Note: The manufacturer provided the following document.					

1.6 Equipment Marking Plate:



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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

2. Test condition

2.1 Equipment Used During Test:

Use*	Product Type	Manufacturer	Model	Comments		
EUT	LCD Color Display	ADVAN Int'l Corp.	0240030990	-		
EUT	AC/DC adapter	BridgePower Corp.	JMW1100KB1300F**	-		
AE	PC	DELL	OPTIPLEX 760	Used for DVI, Optical-DVI, D-sub and Component Mode		
AE	USB mouse	DELL	M-UAR DEL7	-		
AE	USB Keyboard	DELL	SK8175	-		
AE	Headset	PILLAR	CH-1700	-		
AE	Printer	SAMSUNG	ML-2250G	-		
AE	HD & SD Test Generator	Doremi	HDG-20	Used for SDI Mode		
AE	Pattern generator	Chroma	22291	Used for C-video, S-Video and Component Mode		
AE	LCD Color Display	ADVAN Int'l Corp.	0240030990	Used for SDI out function		
AE	AC/DC adapter	BridgePower Corp.	JMW1100KB1300F**	Connected to LCD monitor		
AE	DVI to Optical DVI	OPHIT Co. Ltd	-	-		
AE	Extension Cable	-	1501047006	75-ft DC extension Cable		
AE	Extension Cable	-	1501047005	15-ft DC extension Cable		
AE	Extension Cable	-	1501047004	5-ft DC extension Cable		
* Note:]	* Note: EUT - Equipment Under Test, AE - Auxiliary/Associated Equipment, SIM - Simulator (Not Subjected to Test)					

2.2 Input/output Ports:

Port	Name	Type*	Cable	Cable	Comments
#			Max. >3m	Shielded	
1	Mains	AC	1.8 m	Unshielded	Hospital-grade AC Power cord
2	DVI In	I/O	1.8 m	Shielded	29 pin DVI-I
3	Optical DVI In	I/O	22.5 m	Unshielded	Optical Cable
4	VGA In	I/O	1.8 m	Shielded	15 pin D-Sub
5	SDI In, Out	I/O	2 m	Shielded	BNC
6	S-Video In	I/O	1.8 m	Shielded	S-Video
7	C-Video In	I/O	2 m	Shielded	BNC
8	Component (Y/Pb/Pr) In	I/O	2 m	Shielded	5 Port BNC

^{*} Note: *AC= AC Power Port, DC = DC Power Port, N/E = Non-Electrical, I/O = Signal Input or Output Port (Not Involved in Process Control), TP = Telecommunication Ports

^{*} RS-232 port is used for service purpose only. No user interface port.

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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

2.3 Power Interface:

Mode #	Voltage (V)	Current (A)	Power (W)	Frequency (DC/AC-Hz)	Comments
Rated	100-240Vac	-	90W (Max)	50-60	-
1	AC 120 V	-	-	60	-

2.4 EUT Operation Modes:

Mode #	Mode	Comments
1	DVI Mode	Worst case condition
2	Optical DVI Mode	-
3	VGA Mode	-
4	SDI In/Out Mode	Worst case condition
5	S-VIDEO Mode	-
6	C-Video / SOG Mode	-
7	Component (Y/Pb/Pr) Mode/ Analog RGBS Mode	-

* Note:

- 2. EUT have been performed under continuous displaying "H" Patten for configuration Modes of 1 to 3
- 3. EUT has been performed under continuous displaying "Color Bar" Patten for configuration Modes of 4, 5, 6 and 7.

2.5 Modes of Video resolution

	Mode #	Resolution	Comments							
1		640 * 480 @ 60Hz	-							
2	DVI Mode	1024 * 768 @ 60Hz	-							
3		1440 * 900 @ 60Hz	Worst case condition							
4	4 SDI In/Out 720p Worst case condition									
* Note: V	* Note: Video resolution where it refers from above is representative worst case.									

^{1.} All the configuration described above has been investigated during the preliminary testing and selected two cases as worst-case condition for final measurements.

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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

2.6 Used D.C. Extension Cable for EMC Test:

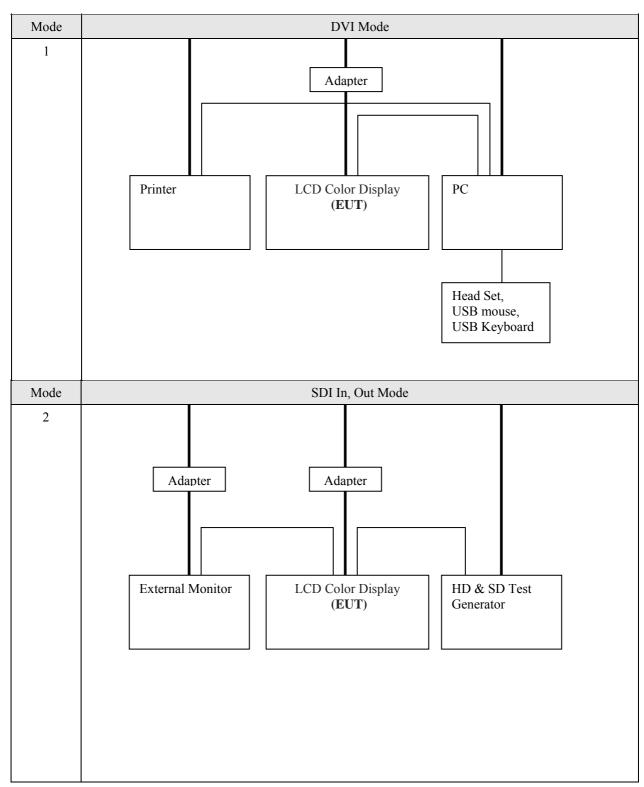
No.	Cable Length	Preliminary Test	Comment
1	5ft	DVI and SDI In/Out Mode	-
2	15ft		-
3	75ft		Worst case condition

^{*} **Note:** Radiated emission and conducted emission test were performed for all extension power cable during the preliminary testing and selected worst-case condition (75ft) for final measurements.

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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

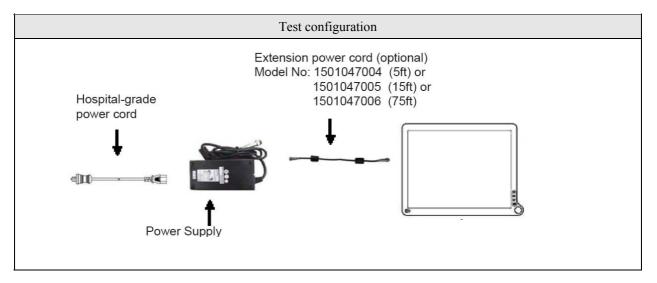
2.7 Test Configuration:



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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

2.8 Extension cable of Adapter to EUT Test Configuration:



3. RESULT OF TESTING:

No	Test requirements	Standard	Results	Verdict
1	AC Power line Conducted Emission Test	47 CFR Part 15.107(a) / 47 CFR Part 15.109(g) Class B	Met limit Class B	Complied
2	Radiated Emission Test	1 a.v 10.105 (g) 0.000 2	Met limit Class B	Complied

^{*} Note: This product has been tested in accordance with the measurement procedures specified 47 CFR Part 15.107 (a) / 47 CFR Part 15.109 (g) Class B at the CBTP EMC Laboratory and the test results has been shown to be complied with the EMC requirements specified in the standard above.

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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

4. TEST CONDITION AND RESULTS

4.1 MAINS TERMINAL DISTURBANCE VOLTAGE TEST

	TES	T: Lim	its of mains terminal distu	ırbance	voltag	ge				
Method	the system und	er test.	ade on a ground plane the All power was connected aducted voltage measuren	d to the	systen	n through A	Artificial Mains			
Donomotoro recorded	di a. 41. a. 4 a. 4		Laboratory Ambient Tem	peratur	e	21.5 °C				
Parameters recorded of	during the test	-	Relative Humidity			36.8 %				
-			Frequency range on each	side of	line	Measurer	ment Point			
Fully configured sample following frequency r		the	0.15 MHz to 30 MHz			AC input	port of Adapter			
			Limits - Class B							
Limit (dBµV)										
Frequency (MHz)	Quasi-Pea	ık	Result	Average		ige	Result			
0.15 to 0.50	66 to 56		Pass		56 to	46	Pass			
0.50 to 5	56		Pass		46		Pass			
5 to 30	60		Pass	50			Pass			
		E	EUT Configuration Settings:							
Power Interface	e Mode #		EUT Operation Mode #	EUT Configurations Mod			igurations Mode #			
(See Section	n 2.3)		(See 2.4)			(See	Section 2.7)			
1			1, 4			1, 2				
	Co	onduct	ed Emissions Test Equip	oment u	ised:					
Description	Manufacturer		Model	Identi	fier		Cal. Due			
Test Receiver	Rohde & Sch	warz	ESPI	10108	88		2011.06.17			
LISN	Rohde & Sch	warz	ESH2-Z5	10014	6		2011.06.18			
LISN	Schwarzbeck		NNLK8129	81291	62		2011.06.18			
Pulse Limiter	Rohde & Sch	warz	ESH3-Z2 3057.8810.		8810.5	0.54 2011.06.18				

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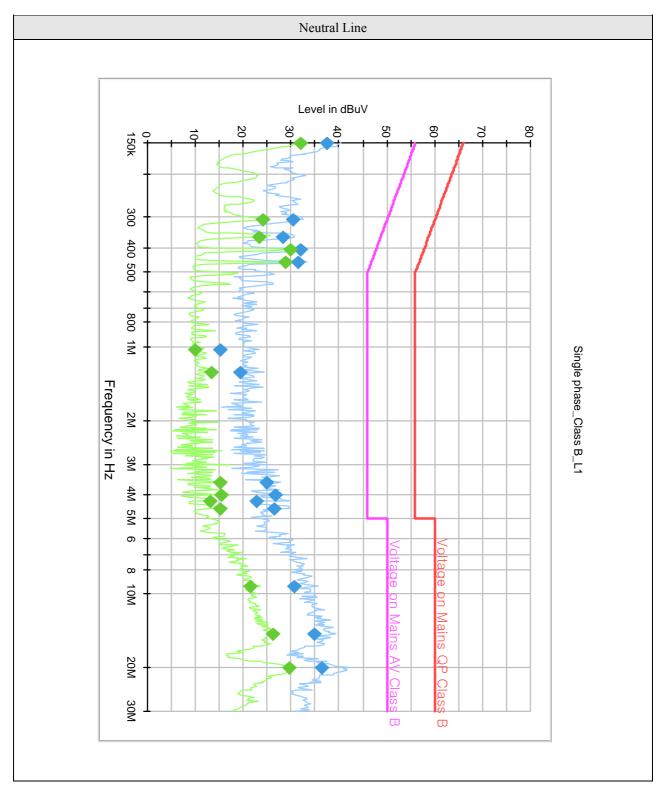
Figure 1. Conducted Emission Test Setup for DVI Mode:





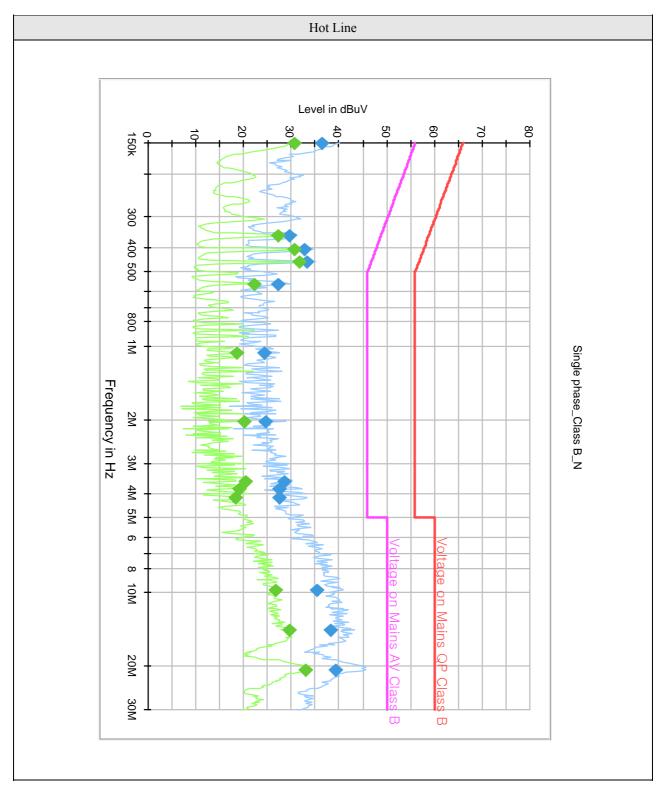
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Figure 2. Graphical representation for DVI Mode:



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Figure 3. Graphical representation for DVI Mode:



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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

Table 1. Test data of DVI Mode:

Test Frequency		ection r (dB)	Reading (dB	g value uV)	Line	_	vel uV)		mit uV)	Ma (d	rgin B)
(MHz)	Cable	LISN	QP	AV		QP	AV	QP	AV	QP	AV
0.406	9.77	0.14	22.9	20.7	N	32.8	30.6	58.0	48.0	25.2	17.6
0.457	9.77	0.14	23.5	21.9	N	33.4	31.8	57.0	47.0	23.6	15.2
4.001	10.00	0.26	16.4	5.2	Н	26.7	15.5	56.0	46.0	19.3	30.5
9.796	10.11	0.44	24.9	16.2	N	35.4	26.7	60.0	50.0	14.6	23.3
14.298	10.06	0.65	27.5	18.9	N	38.2	29.6	60.0	50.0	11.8	20.4
14.586	10.05	0.79	24.1	15.4	Н	34.9	26.2	60.0	50.0	15.1	23.8
19.856	9.98	1.16	25.3	18.5	Н	36.4	29.6	60.0	50.0	13.6	20.4
20.662	9.99	0.91	28.4	22.0	N	39.3	32.9	60.0	50.0	10.7	17.1

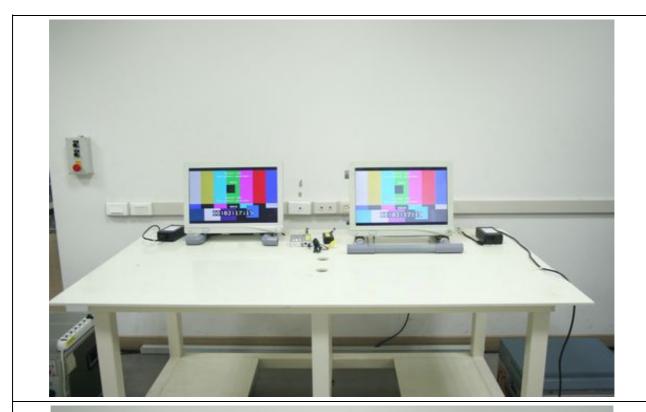
* Note:

^{1.} Margin (dB)= Limit (dBuV) - Level (dBuV)

^{2.} If no frequencies are specified in the tables, no measurement for quasi-peak or average was necessary.

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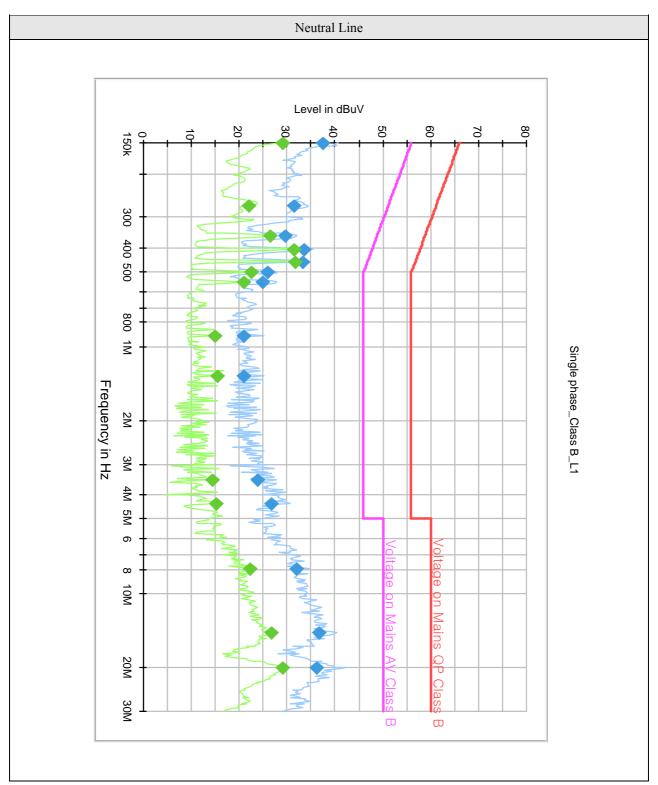
Figure 4. Conducted Emission Test Setup for SDI In/Out Mode:





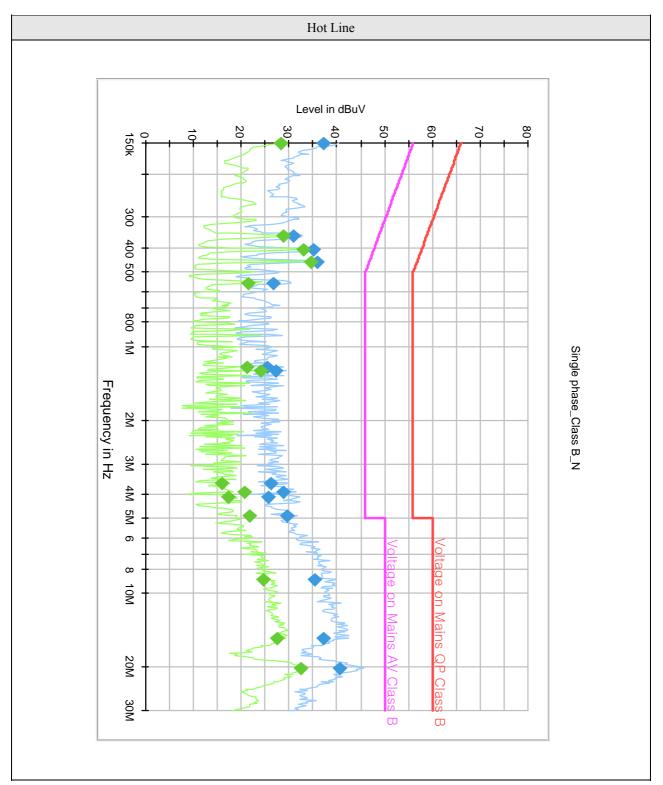
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Figure 5. Graphical representation for SDI In/Out Mode:



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Figure 6. Graphical representation for SDI In/Out Mode:



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Table 2. Test data for SDI In/Out Mode:

Test Frequency		ection r (dB)	Reading (dB	g value uV)	Line		vel uV)		mit uV)		rgin B)
(MHz)	Cable	LISN	QP	AV		QP	AV	QP	AV	QP	AV
0.406	9.77	0.14	25.3	23.1	N	35.2	33.0	58.0	48.0	22.5	14.7
0.453	9.77	0.14	26.1	24.7	N	36.0	34.6	27.0	47.0	20.8	12.2
8.781	10.11	0.42	24.8	14.2	N	35.3	24.7	60.0	50.0	24.7	25.3
14.441	10.06	0.78	26.0	16.0	Н	36.8	26.8	60.0	50.0	23.2	23.2
15.330	10.05	0.70	26.5	16.9	N	37.2	27.6	60.0	50.0	22.8	22.4
20.054	9.98	1.17	25.1	18.0	Н	36.3	29.2	60.0	`50.0	23.7	20.8
20.255	9.98	0.92	29.8	21.6	N	40.7	32.5	60.0	50.0	19.3	17.5

^{*} Note:

^{1.} Margin (dB)= Limit (dBuV) - Level (dBuV)

^{2.} If no frequencies are specified in the tables, no measurement for quasi-peak or average was necessary.

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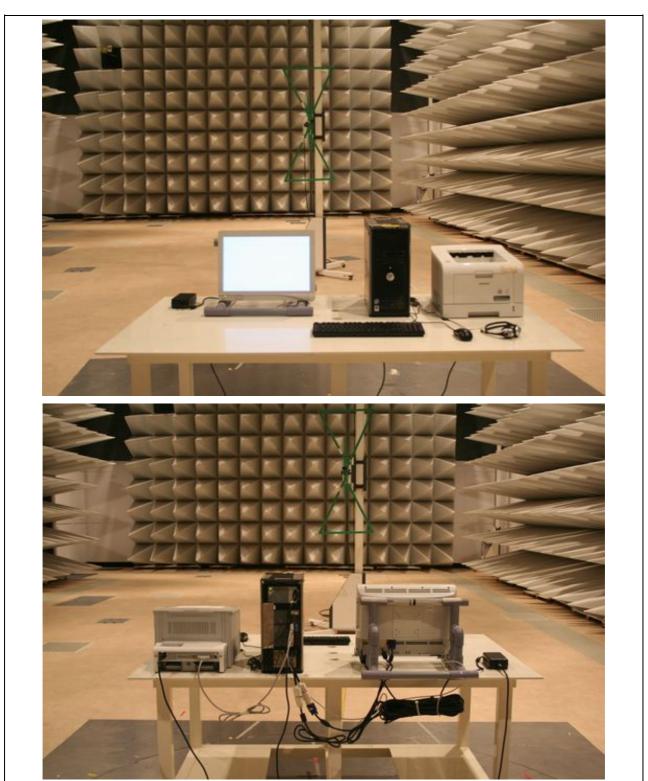
Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

4.2 RADIATED DISTURBANCE

		TEST: Limits for	or radiated disturban	ce	TEST: Limits for radiated disturbance										
Method	frequency range, and locating any frequencies at the which EUT radiated. Frequency scans were conducted with a peak detector with horizontal and vertical polarization of the antenna. Measurements were done in the frequency range 30-1000 MHz. The main test was then conducted by measurements at each frequency found in the pretest. These measurements were done at an open area test site at 10m distances, with a quasi-peak detector. EUT was positioned on a wooden table 0.8m above the floor, at the edge of the turntable. Cables connected to EUT were fixed to cause maximum emission. A maximum emitting point for each frequency was found by turning EUT 0-360 degrees, and adjust the antenna height between 1-4m. A quasi-peak detector measurement was then done at the maximum emitting point.														
Parameters record	led during the test	Laboratory	Ambient Temperatu	re 10 °C											
T drameters record	ed during the test	Relative Hu	ımidity	54 %											
-		Frequency	range	Measuremer	nt Point										
Fully configured s following frequen	sample scanned over t acy range	he 30 MHz to	2.0 GHz	3 meter mea	surement distance										
		Limi	ts – Class B												
Fragi	uency (MHz)		Lin	nit (dBµV/m)											
Frequ	deficy (WHZ)		Quasi-Peak		Results										
	30 to 88		40.00		Pass										
8	38 to 216		43.52		Pass										
2	16 to 960		46.02		Pass										
96	60 to 1000		53.97		Pass										
		EUT Config	guration Settings:												
Power In	nterface Mode #	EUT	Operation Mode #	EUT Cor	nfigurations Mode#										
(See	Section 2.3)		(See 2.4)	(Se	ee Section 2.7)										
	1		1, 4		1, 2										
		Radiated Emiss	ions Test Equipmen	nt:											
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due										
Test Receiver	Rohde & Schwarz	ESPI	101206	2010.07.08	2011.07.08										
Amplifier	НР	Amplifier	3113A05153	2010.07.08	2011.07.08										
BiconiLog Antenna	Schwarzbeck	VULB9168	9168-289	2010.05.17	2011.05.17										

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Figure 7. Photo of Radiated emission test setup for DVI Mode:



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Figure 8. Graphical representation, 30 MHz to 1000 MHz

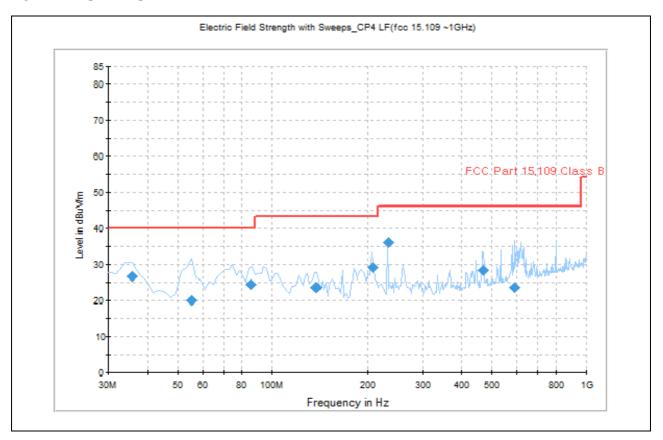


Table 3. Radiated emission Test data for DVI Mode, 30 to 1000MHz:

Test Frequency (MHz)	Meter Reading (dBuV)	Detector (Pk/QP)	Polarity (V/H)	Azimuth (Degrees)	Antenna Height (m)	Cable Loss Factor (dB)	Antenna Factor (dB/m)	Level dBuV/ m	Limit dBuV/ m	Margin (dB)
35.90	10.27	QP	V	0	1.00	0.92	15.71	26.9	40.0	13.1
55.54	12.48	QP	V	174	1.00	1.15	6.37	20.0	40.0	20.0
85.85	14.85	QP	V	359	1.00	1.46	8.19	24.5	40.0	15.5
137.82	10.68	QP	V	281	1.00	1.84	11.18	23.7	43.5	19.8
208.27	16.08	QP	Н	8	1.00	2.28	10.93	29.3	43.5	14.2
233.13	21.69	QP	Н	307	2.00	2.44	12.27	36.4	46.0	9.6
467.22	8.12	QP	V	359	1.00	3.66	16.63	28.4	46.0	17.6
591.69	1.53	QP	V	359	1.00	4.12	18.15	23.8	46.0	22.2

^{*} Note:

^{1.} Margin (dB)= Limit (dBuV) - Level (dBuV)

^{2.} If no frequencies are specified in the tables, no measurement for quasi-peak or average was necessary.

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Figure 10. Graphical representation, 1.0 GHz to 2.0 GHz

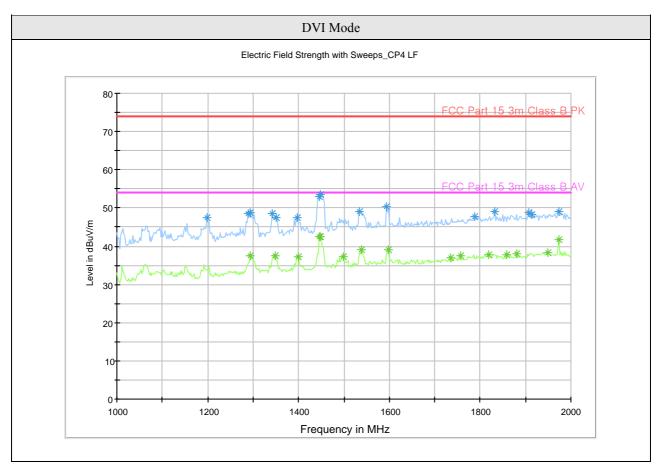


Table 5. Radiated emission Test data, DVI Mode, 1.0 GHz to 2.0 GHz

	Corre	ection Fa	ctor				Peak					Average		
Frequency (MHz)	Antenna (dB/m)	Amp (dB)	Cable (dB)	Antenna Height (m)	Polarity	Limit (dBuV/m)	Reading (dBuV)	Result (dBuV)	Margin (dB)	Polarity	Limit (dBuV/m)	Reading (dBuV)	Result (dBuV)	Margin (dB)
1294.59	23.61	0	4.39	2.00	V	74.00	20.90	48.9	21.10	V	54.00	9.40	37.4	16.60
1342.66	23.85	0	5.09	2.00	V	74.00	19.56	48.5	25.50	V	54.00	7.66	36.6	17.40
1444.89	24.55	0	5.26	1.00	V	74.00	23.29	53.1	20.90	V	54.00	12.79	42.6	11.40
1535.07	25.18	0	5.39	1.00	V	74.00	18.53	49.1	24.90	V	54.00	7.73	38.3	15.70
1593.19	25.57	0	5.52	2.00	V	74.00	19.41	50.5	23.50	V	54.00	6.81	37.9	16.10
1831.66	26.89	0	5.96	4.00	Н	74.00	16.15	49.0	25.00	Н	54.00	3.95	36.8	17.20
1907.82	26.92	0	6.07	3.00	V	74.00	15.91	48.9	25.10	V	54.00	3.91	36.9	17.10
1973.95	27.13	0	6.17	4.00	Н	74.00	15.80	49.1	24.90	Н	54.00	8.50	41.8	12.20

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Figure 8. Photo of Radiated emission test setup for SDI In/Out Mode, 30 to 1000MHz:





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Figure8. Graphical representation, 30 MHz to 1000 MHz

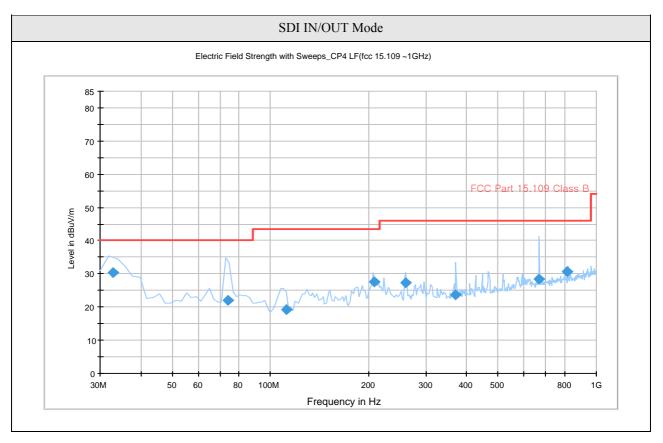


Table 4. Radiated emission Test data for SDI In/Out Mode, 30 to 1000MHz:

Test Frequency (MHz)	Meter Reading (dBuV)	Detector (Pk/QP)	Polarity (V/H)	Azimuth (Degrees)	Antenna Height (m)	Cable Loss Factor (dB)	Antenna Factor (dB/m)	Level dBuV/ m	Limit dBuV/ m	Margin (dB)
33.01	12.30	QP	V	318	1.00	0.86	17.14	30.30	40.0	9.8
74.15	13.89	QP	V	128	2.00	1.37	6.64	21.90	40.0	18.1
111.58	6.16	QP	V	234	1.00	1.64	11.31	17.10	43.5	24.4
207.84	14.41	QP	Н	8	2.00	2.28	10.91	27.60	43.5	15.9
260.24	11.49	QP	V	352	2.00	2.60	13.31	27.40	46.0	18.6
370.88	5.06	QP	Н	107	1.00	3.19	15.35	23.60	46.0	22.4
667.55	5.78	QP	V	234	1.00	4.41	18.11	28330	46.0	17.7
815.90	6.90	QP	Н	214	2.00	4.96	18.75	30.60	46.0	15.4

^{*} Note:

^{1.} Margin (dB)= Limit (dBuV) - Level (dBuV)

^{2.} If no frequencies are specified in the tables, no measurement for quasi-peak or average was necessary.

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Figure 9. Graphical representation, 1.0 GHz to 2.0 GHz

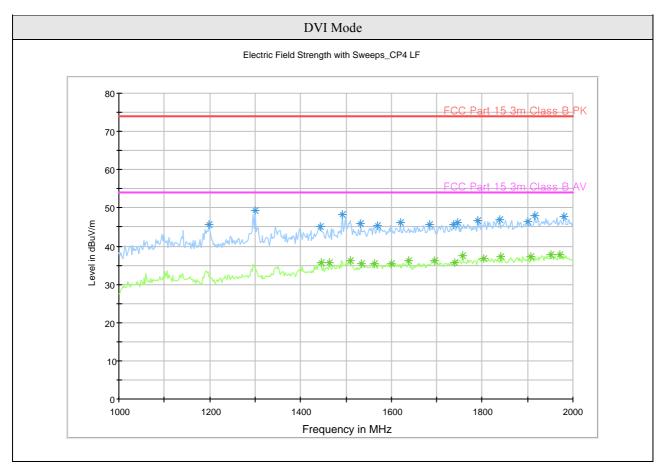


Table 6. Radiated emission Test data, DVI Mode, 1.0 GHz to 2.0 GHz

	Corre	ection Fa	ctor	A 4			Peak					Average		
Frequency (MHz)	Antenna (dB/m)	Amp (dB)	Cable (dB)	Antenna Height (m)	Polarity	Limit (dBuV/m)	Reading (dBuV)	Result (dBuV)	Margin (dB)	Polarity	Limit (dBuV/m)	Reading (dBuV)	Result (dBuV)	Margin (dB)
1300.60	23.79	0	4.97	2.00	V	74.00	21.12	49.3	24.7	V	54.00	6.02	34.2	19.8
1492.99	25.06	0	5.34	1.00	V	74.00	18.15	48.3	25.7	V	54.00	5.75	35.9	18.1
1533.07	25.21	0	5.42	1.00	V	74.00	15.53	46.0	28.00	V	54.00	3.83	34.3	19.7
1619.24	25.52	0	5.59	3.00	V	74.00	15.19	46.1	27.90	V	54.00	3.29	34.2	19.8
1745.49	26.14	0	5.84	3.00	V	74.00	14.54	46.2	27.80	V	54.00	3.64	35.3	18.7
1839.68	26.87	0	5.97	1.00	V	74.00	14.17	47.0	27.00	V	54.00	2.87	35.7	18.3
1915.83	26.93	0	6.08	2.00	Н	74.00	15.10	48.1	25.90	Н	54.00	4.40	37.4	16.6

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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

Appendix A: Test Facility



MIC: Designated as a testing laboratory by Radio Research Laboratory in accordance with the Regulation on Designation of Testing Laboratory for Information and Communication Equipment. Registration No.: KR0017



KOLAS: Accredited by Korea Laboratory Accreditation Scheme (KOLAS) as Testing Laboratory in accordance with the provisions of Article 23 of the National Standards Act. These criteria encompass the requirements of ISO/IEC 17025:2000. For a scope listing search at http://kolas.kats.go.kr/02 english/m02 01 s01.asp?OlapCode=KOLU19



FCC: Details of the measurement facilities used for these tests have been filed with the Federal Communications Commission's Laboratory in Columbia, Maryland and accepted in a letter dated July 17, 2005 (Reg. No. 553281). As a Conformity Assessment Body (CAB), our organization is designated to perform compliance testing on equipment subject to Declaration Of Conformity (DOC) and Certification under Part 15 and 18 of the Commission's Rules in a letter dated July 14, 2005.



VCCI: Accepted as an Associate Member to the VCCI. The measurement facilities detailed in this test report have been registered in accordance with Regulations for Voluntary Control Measures, Article 8. Registration Nos.: (Radiated Emissions) R-2414, (Conducted Emissions) C-2641.

Appendix B: Measurement Uncertainties

Test	Uncertainty
Radiated Emissions	U = k * Uc(xi) = 4.20 dB
Conducted Emissions	U = k * Uc(xi) = 3.14 dB

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Model Number: 0240030990 Client Name: ADVAN Int'l Corp.

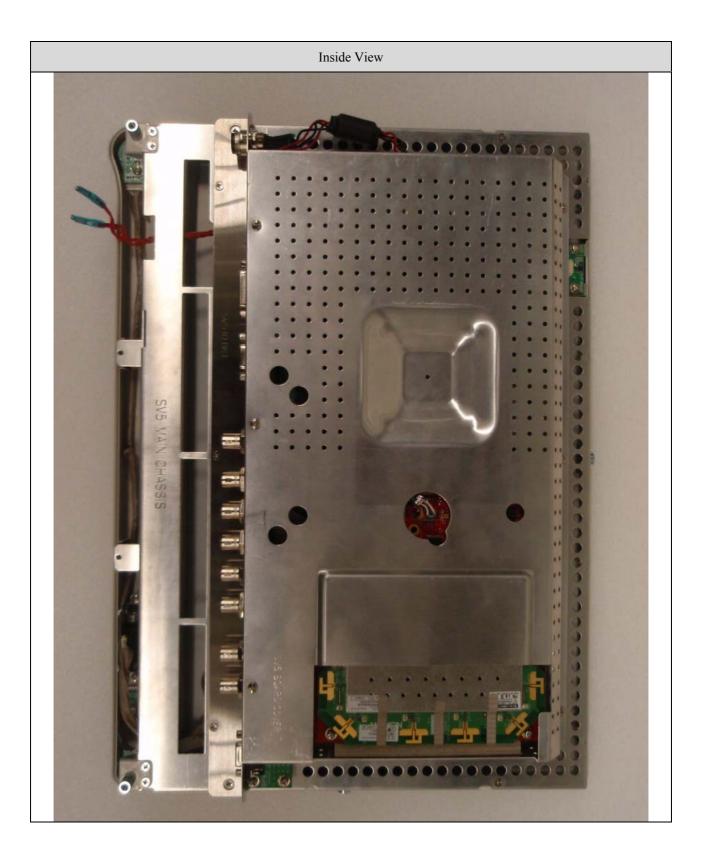
Appendix C: EUT Photos



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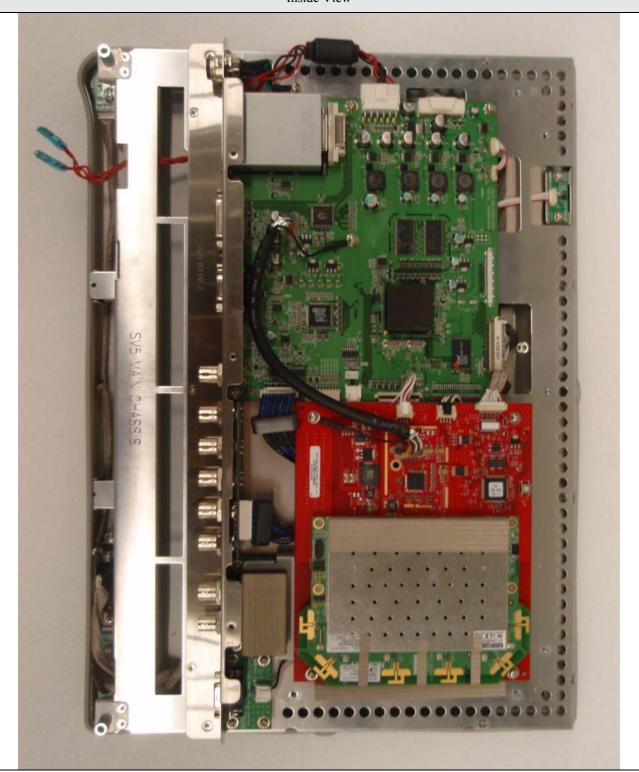


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11CA12563

File Number

TC8352

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Model Number: Client Name: 0240030990

e: ADVAN Int'l Corp.



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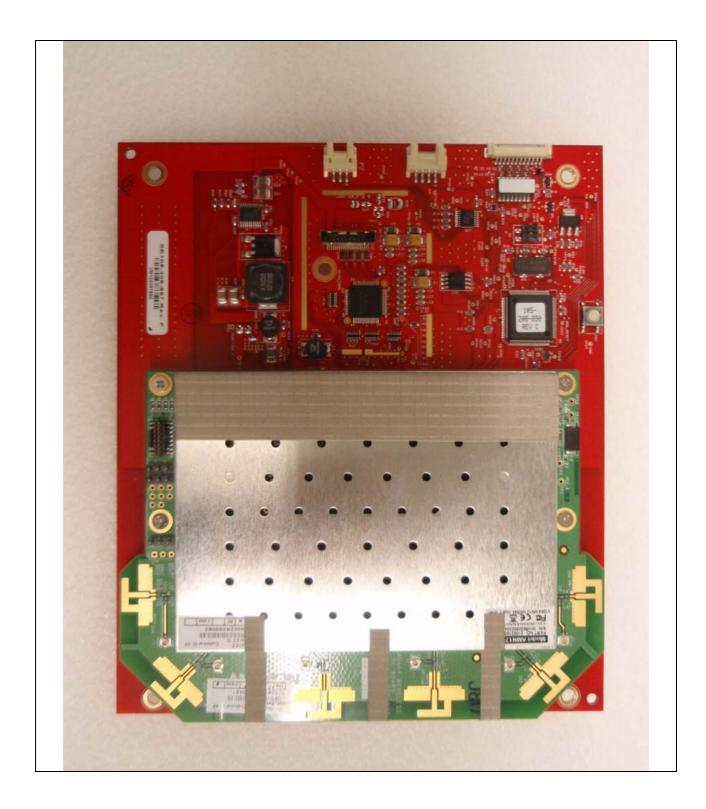
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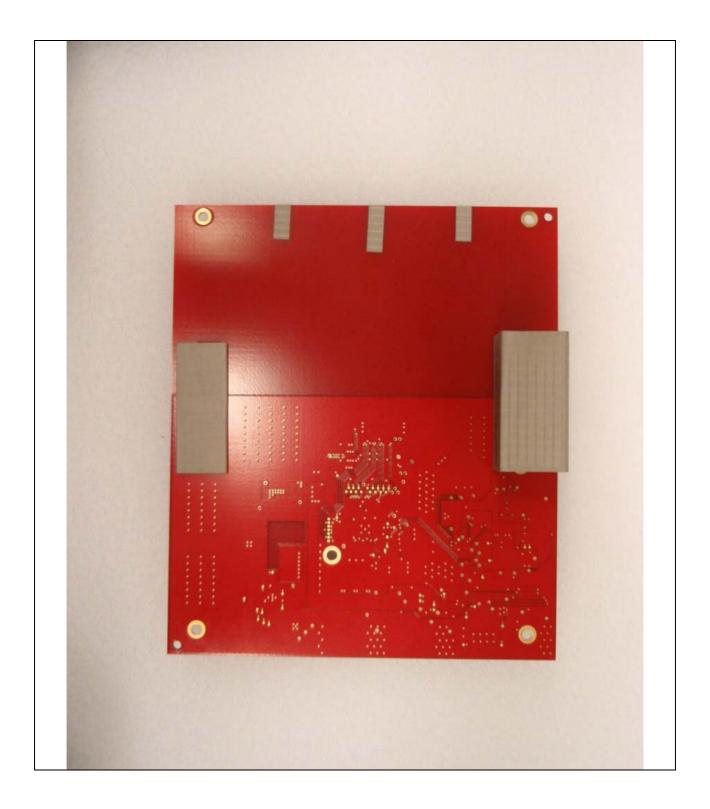
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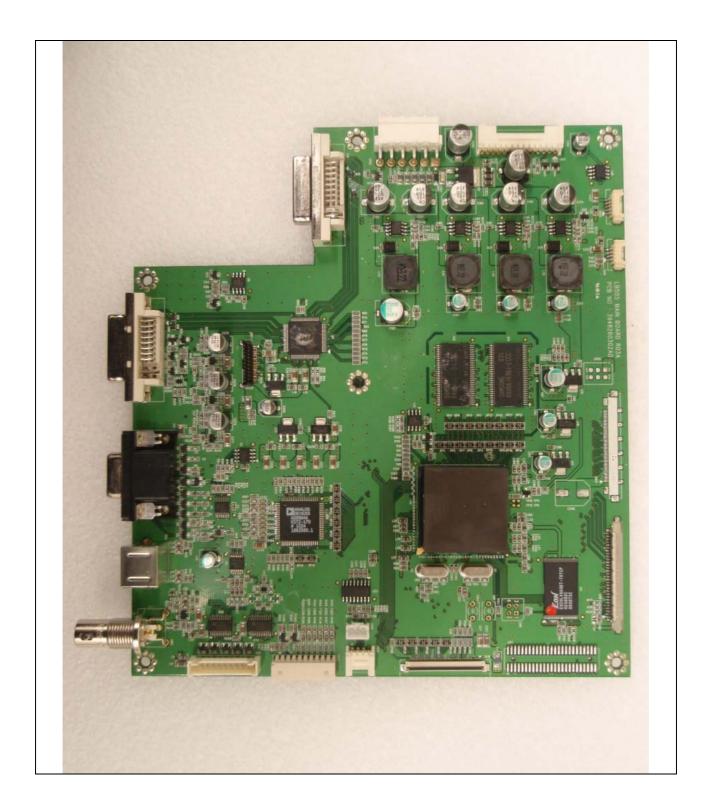
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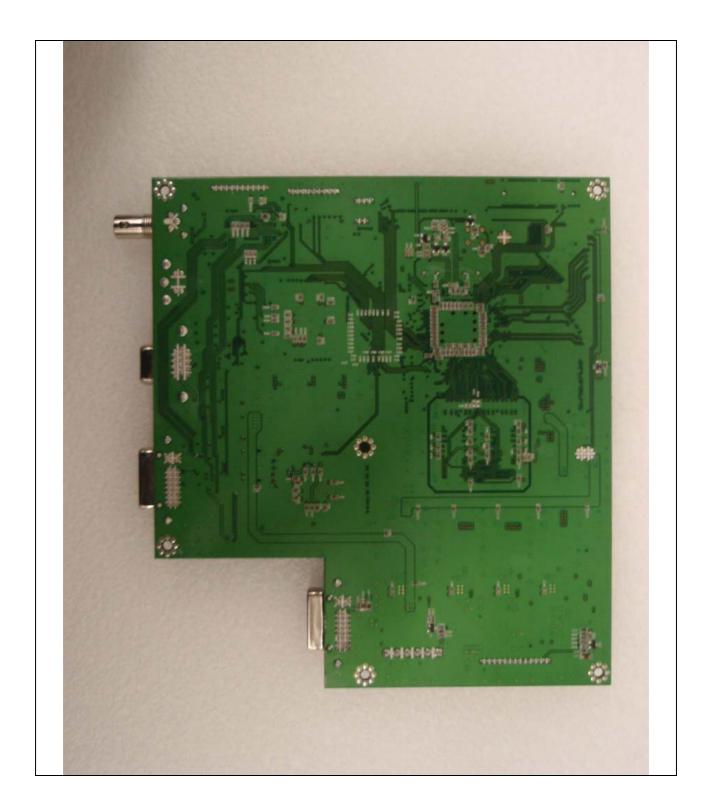
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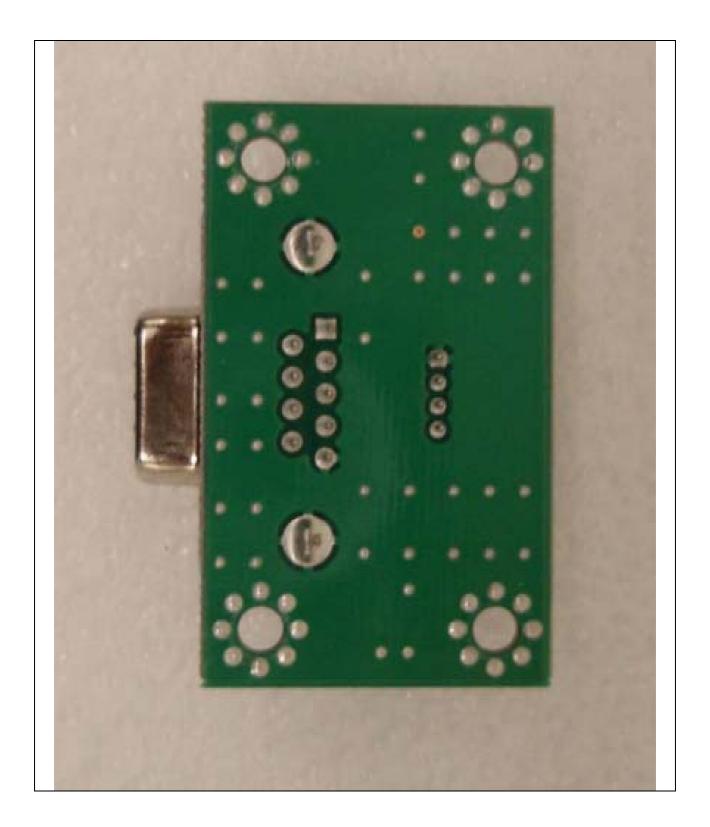
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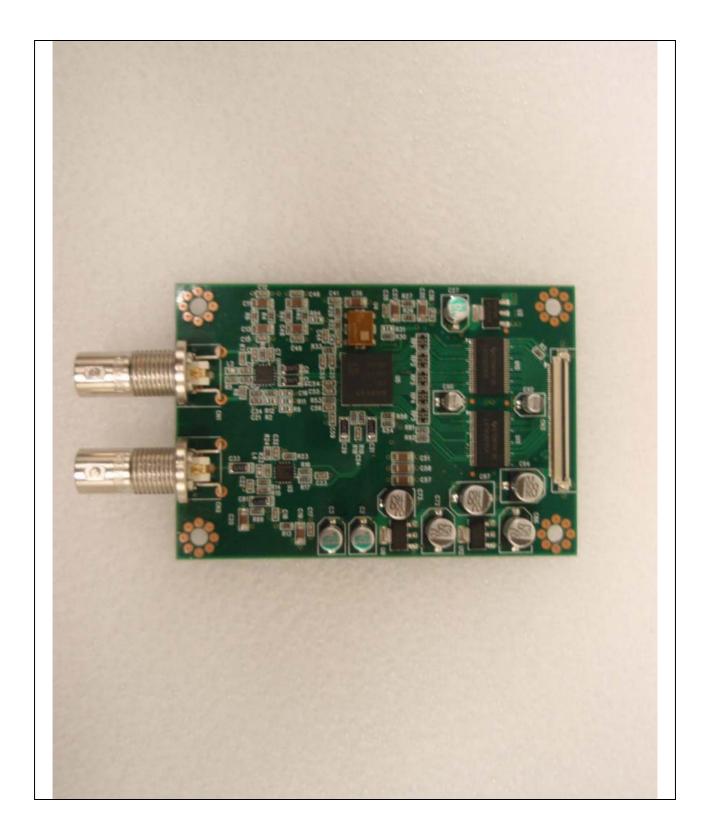
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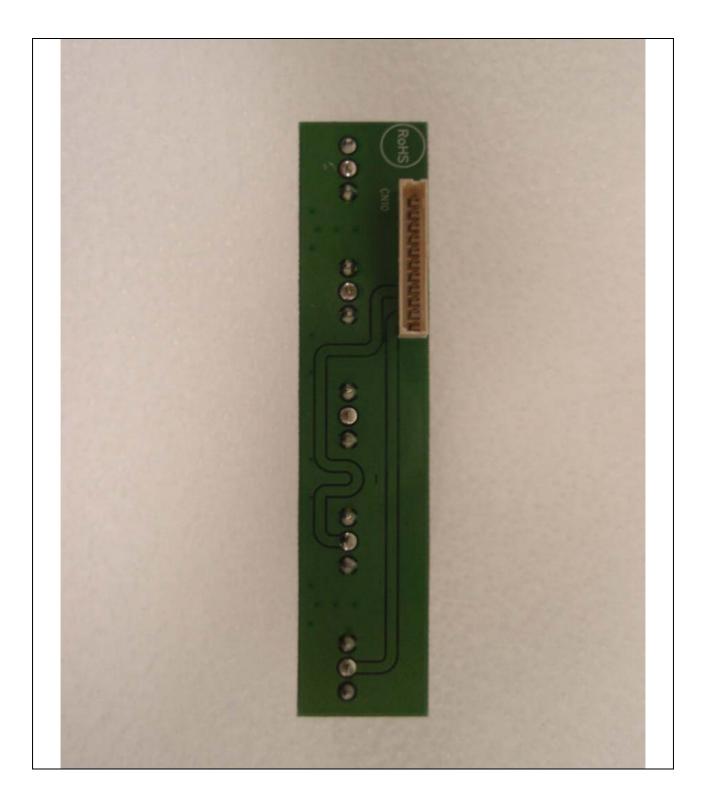
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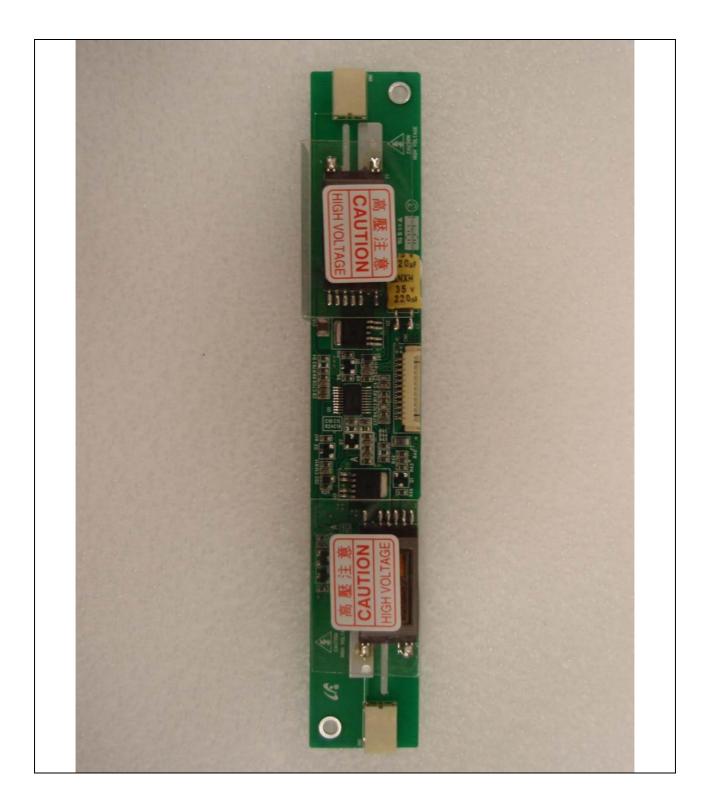
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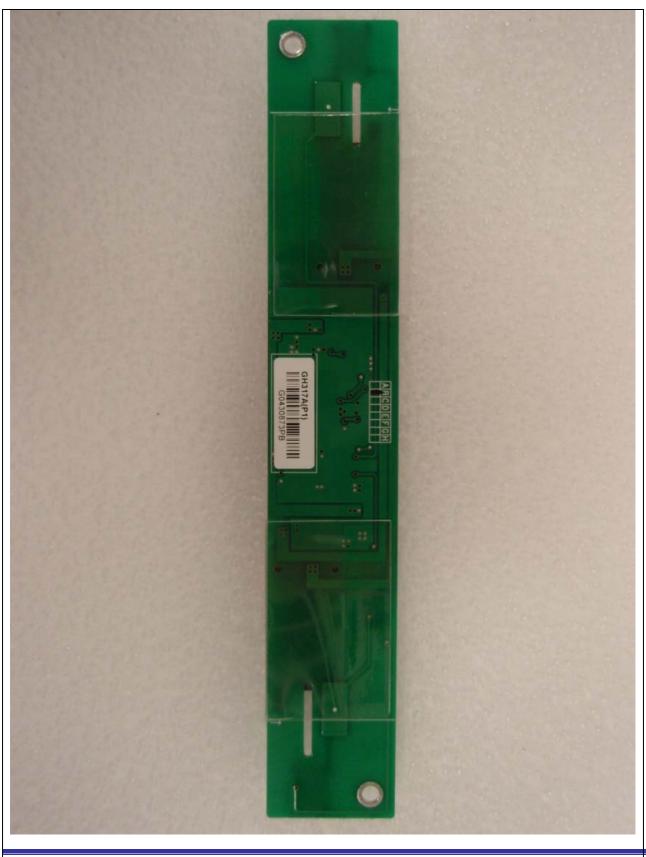


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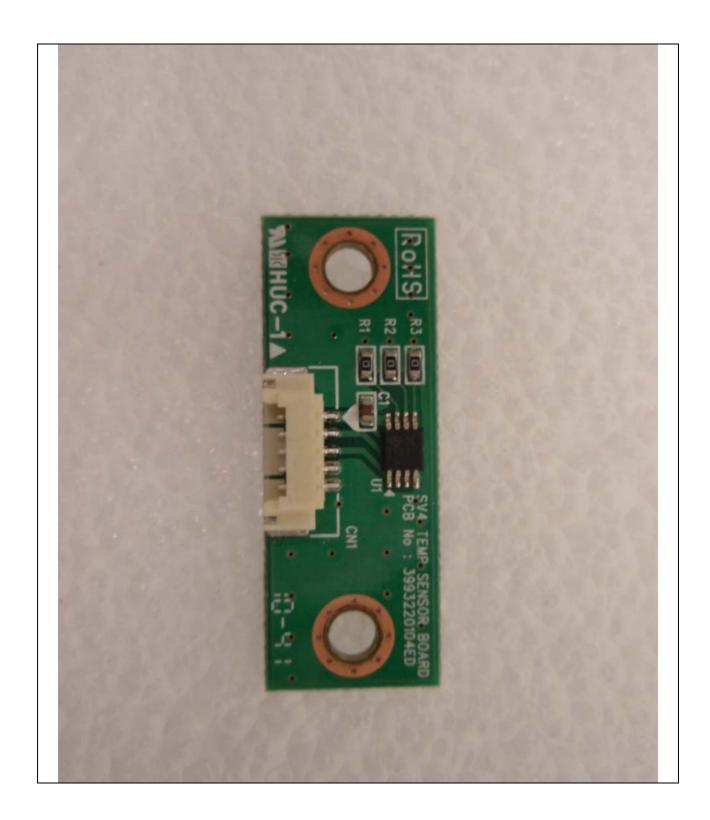
Model Number: 0240030990 Client Name: ADVAN Int'l Corp.



UL Korea, Ltd. 33rd FL, Gangnam Finance Center, 737 Yeoksam-dong, Gangnam-gu, Seoul 135-984 Korea-Tel: +82.2.2009.9000, Fax:+82.2.2009.9405

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