

EMI Test Report

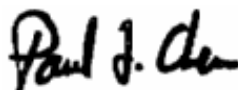
On Model Name: Graphic Card
Model Number: VT6510
Brand Name: S3

FCC ID: WN9VT6510
Prepared for S3 GRAPHICS CO., LTD.

According to FCC Part 15, Class B

Test Report #: SGR-0808-8031-FCC
Prepared by: Cloud Feng
Reviewed by: Harry Zhao
QC Manager: Paul Chen

Test Report Released by: _____



Paul Chen

2008, September 12

Date

Test Location

Tests performed in a Certified ANSI Semi-Anechoic Chamber and Shielded Room performed testing.

Test Site Location: *ECMG Worldwide Certification
Solution, Inc. (China)
Building 2, 1298 Lian Xi Road,
Pu Dong New Area, Shanghai,
P.R. China 201204*

Tel: *86-21-51909300*
Fax: *86-21-51909333*

FCC Registration Number: *172634*

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Administrative Data

Test Sample : Graphic Card

Model Number : VT6510

Brand Name : S3

Trade Mark : S3

Serial Number : Engineering Sample

Date Tested : 2008, August 25th

*Applicant : S3 Graphics Co., Ltd.
1025 Mission Court, Fremont, CA 94539, USA*

Telephone : +1-510-687-4900

Fax : +1-510-687-4901

*Manufacturer : Excelsior Electronics Limited
Sam Tun Management Zone, Houjie, Dongguan,
Guangdong, PRC*

Telephone : 86-769-85822002

Fax : 86-769-85822017

EUT Description

S3 GRAPHICS CO., LTD., models VT6510 (referred to as the EUT in this report) is a graphic card.

The highest frequency generated by the EUT is 800 MHz, so the frequency range tested is from 30MHz – 5000MHz.

Test Summary

The Electromagnetic Compatibility requirements on model VT6510 for this test are stated below. All results listed in this report relate exclusively to this above-mentioned model as the Equipment under Test. This report confers no approval or endorsement upon any other component, host or subsystem used in the test set-up.

Emission Tests				
Specifications	Description	Test Results	Test Point	Remark
<i>FCC Part 15.107 (150kHz – 30MHz)</i>	<i>Conducted Emission</i>	<i>Passed</i>	<i>AC Input Port</i>	<i>Attachment 1</i>
<i>FCC Part 15.109 (30MHz – 5000MHz)</i>	<i>Radiated Emission</i>	<i>Passed</i>	<i>Enclosure</i>	<i>Attachment 2</i>
<i>The maximum frequency generated by the EUT is 800MHz, according to FCC 15.33, the measurement range is up to 5GHz.</i>				

Test Mode Justification

This device complies with Part 15 Class B of the FCC rules. The device was tested in the normal working mode.

EUT Exercise Software

The software Testpat32.exe runs on windowsXP, generating a complete line of continuously repeating "H" pattern. No other data was transmitted to the EUT during testing.

Equipment Modification

Any modifications installed previous to testing by S3 GRAPHICS CO., LTD. will be incorporated in each production model sold or leased in United States.

There were no modifications installed by ECMG Worldwide Certification Solution, Inc (China) test personnel.

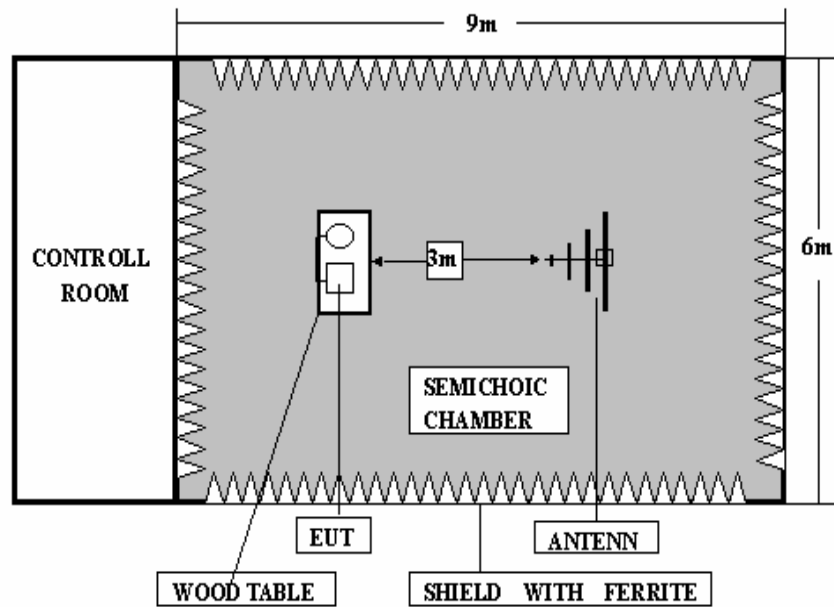
Test System Details

EUT				
Model Number:	VT6510			
Trade Mark:	S3			
Input Voltage:	AC 120V/60Hz			
Serial Number:	Engineering Sample			
Description:	Graphic Card			
Manufacturer:	Excelsior Electronics Limited			
EUT Power Supply				
N/A				
Support Equipment				
Description	Model Number	Serial Number	Manufacturer	Power Cable Description
PC	OPTIPLEX 330	HBSF92X	DELL	1.8m unshielded
Projector	MP625	PDA5601235C U0	Benq	1.5m unshielded
Keyboard	LXB-CH0507	06H07702594 D	Logitech	N/A
Mouse	MOC5UO	29383	Logitech	N/A
Printer converter	45CV	961217	INTEL LIGENT	N/A
Remote control box	IT-251B	N/A	N/A	N/A

Continue on to the next page..

<i>Cable Description</i>					
<i>Description</i>	<i>From</i>	<i>To</i>	<i>Length (Meters)</i>	<i>Shielded (Y/N)</i>	<i>Ferrite (Y/N)</i>
<i>Serial Cable</i>	<i>Remote control box</i>	<i>PC</i>	<i>1.2m</i>	<i>N</i>	<i>N</i>
<i>Parallel Cable</i>	<i>Converter</i>	<i>PC</i>	<i>0.5m</i>	<i>N</i>	<i>N</i>
<i>VGA Cable</i>	<i>EUT</i>	<i>Projector</i>	<i>1.8m</i>	<i>Y</i>	<i>Y*2</i>
<i>DVI Cable</i>	<i>EUT</i>	<i>Projector</i>	<i>1.5m</i>	<i>Y</i>	<i>N</i>
<i>HDMI Cable</i>	<i>EUT</i>	<i>Projector</i>	<i>1.5m</i>	<i>Y</i>	<i>N</i>

Configuration of Tested System



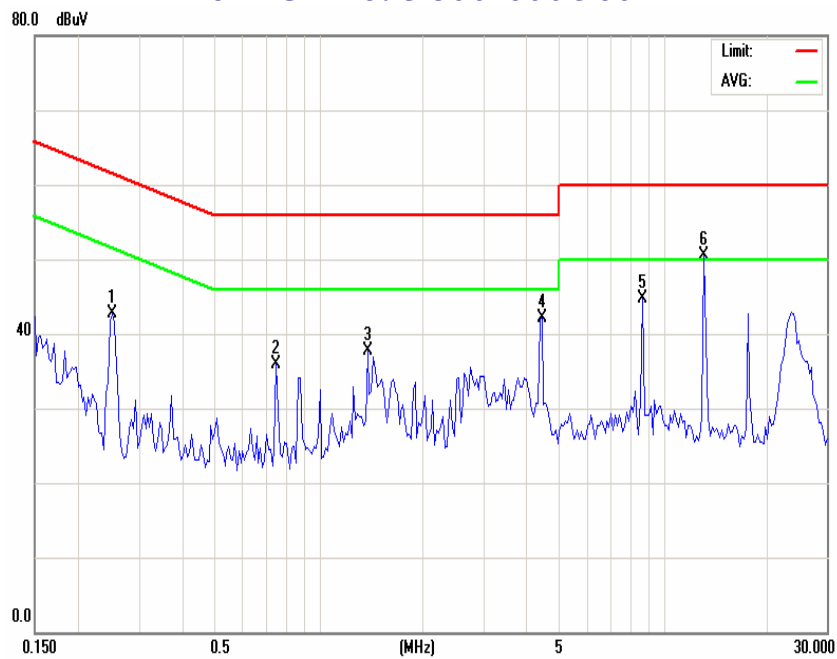
ATTACHMENT 1 - CONDUCTED EMISSION TEST RESULTS

CLIENT:	S3 GRAPHICS CO., LTD.	TEST REFERENCE:	FCC Part 15 subpart B Class B
MODEL NUMBER:	VT6510	PRODUCT:	Graphic Card
SERIAL NO.:	Engineering Sample	EUT DESIGNATION:	ITE equipment
TEMPERATURE:	26°C	HUMIDITY:	50%
ATM PRESSURE:	102.1Pa	GROUNDING:	None
TESTED BY:	Cloud Feng	DATE OF TEST:	2008, July 11
SETUP METHOD:	ANSI C63.4-2003		
TEST PROCEDURE:	<p>a. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.</p> <p>b. Connect EUT to the power mains through a line impedance stabilization network(LISN)</p> <p>c. The LISN provides 50ohm coupling impedance for the measuring instrument</p> <p>d. Both sides of AC line were checked for maximum conducted interference.</p> <p>e. The frequency range from 150KHz to 30MHz was searched..</p> <p>f. Set the test-receiver system to Peak Detect Function and Specified bandwidth.</p> <p>g. If the emission level of the EUT in peak mode was 20 dB lower than the specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be tested using the quasi-peak method in about six maximal points and the results will be reported.</p>		
TESTED RANGE:	150kHz to 30MHz		
TEST VOLTAGE:	120VAC/60Hz		
RESULTS:	<p>For VGA mode: The EUT meets the requirements of test reference for Conducted Emissions on line L by 8.59 dB of Quasi-Peak detector by 5.16 dB of Average detector.</p> <p>For DVI mode: The EUT meets the requirements of test reference for Conducted Emissions on line L by 9.68 dB of Quasi-Peak detector by 4.18 dB of Average detector.</p> <p>For HDMI mode: The EUT meets the requirements of test reference for Conducted Emissions on line L by 12.70 dB of Quasi-Peak detector by 8.82 dB of Average detector.</p> <p>The test results relate only to the equipment under test provided by client.</p>		
CHANGES OR MODIFICATIONS:	There were no modifications installed by ECMG Worldwide Certification Solution, Inc (China) test personnel.		

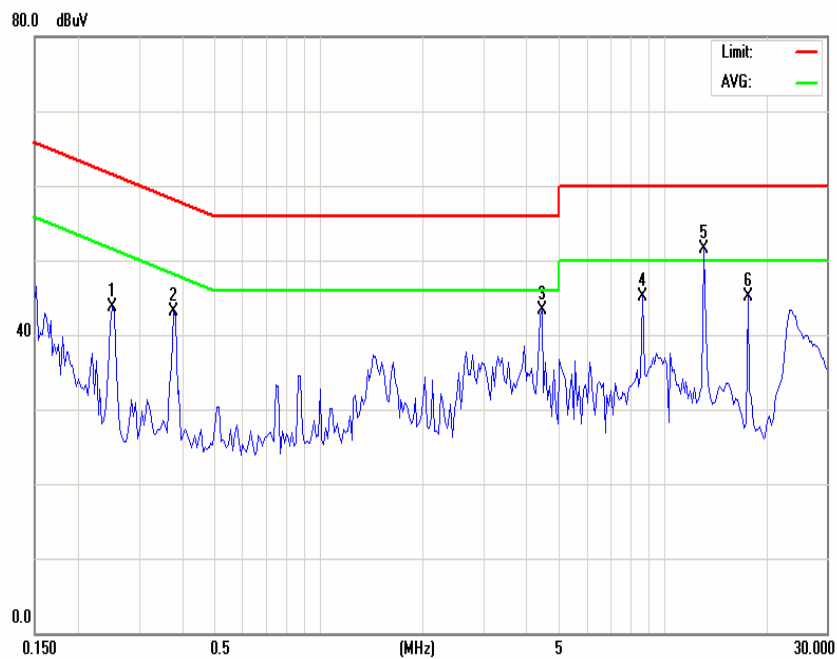
EMC Test Report #: SGR-0808-8031-FCC**Prepared for S3 Graphics Co., Ltd.****Prepared by ECMG Worldwide Certification Solution, Inc.****Page 8 of 91**

M. UNCERTAINTY:	Freq. $\pm 2 \times 10^{-7}$ x Center Freq., Amp ± 2.6 dB
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**For VT6510:
For VGA Mode 800*600@60Hz**



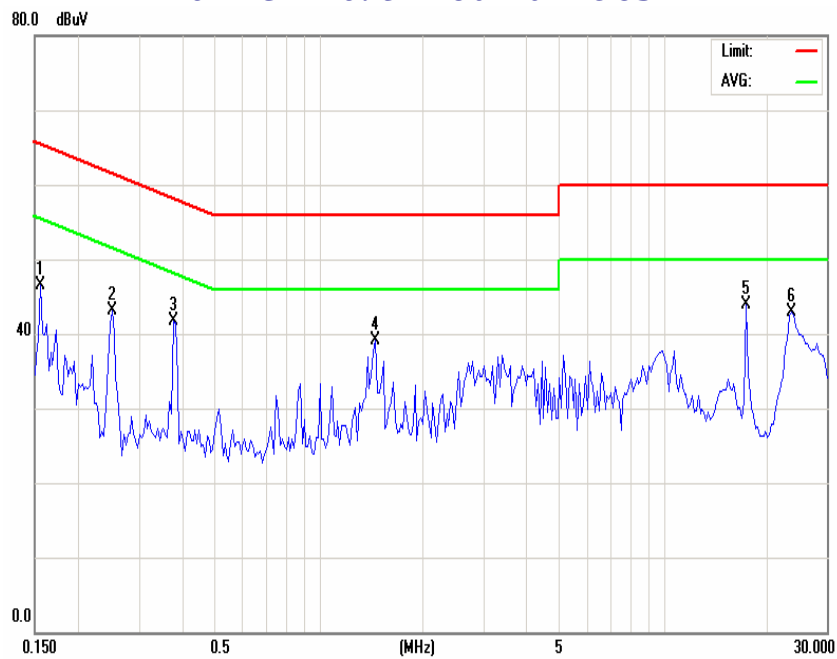
Line L Conducted Emission Graph



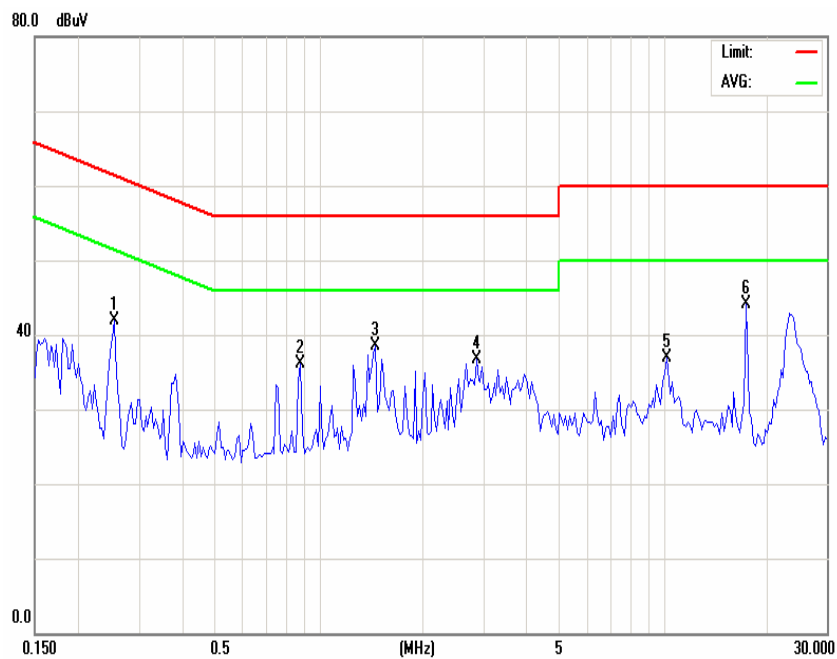
Line N Conducted Emission Graph

Line L (Hot Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.251	43.79	61.71	-17.92	0.251	34.98	51.71	-16.73
2	0.379	43.17	58.30	-15.13	0.379	36.74	48.30	-11.56
3	4.454	43.26	56.00	-12.74	4.454	35.88	46.00	-10.12
4	8.752	45.15	60.00	-14.85	8.752	37.01	50.00	-12.99
5	13.197	51.41	60.00	-8.59	13.197	42.14	50.00	-7.86
6	17.661	45.05	60.00	-14.95	17.661	44.84	50.00	-5.16
Line N (Neutral Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.251	42.80	61.71	-18.91	0.251	32.03	51.71	-19.68
2	0.755	35.85	56.00	-20.15	0.755	28.74	46.00	-17.26
3	1.388	37.68	56.00	-18.32	1.388	26.14	46.00	-19.86
4	4.454	42.12	56.00	-13.88	4.454	33.96	46.00	-12.04
5	8.752	44.75	60.00	-15.25	8.752	33.45	50.00	-16.55
6	13.197	50.42	60.00	-9.58	13.197	41.57	50.00	-8.43
Note: All readings are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For VGA Mode 1280*1024@85Hz**



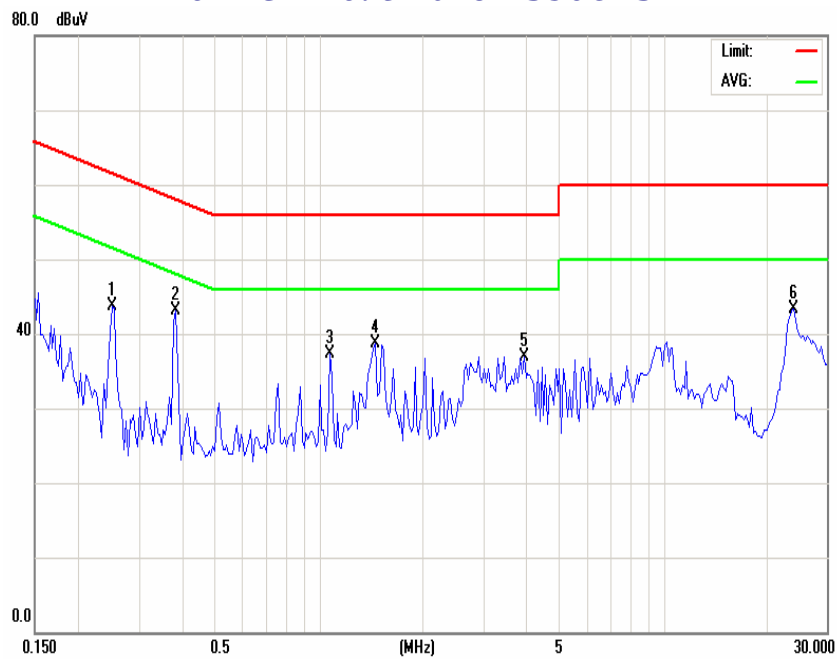
Line L Conducted Emission Graph



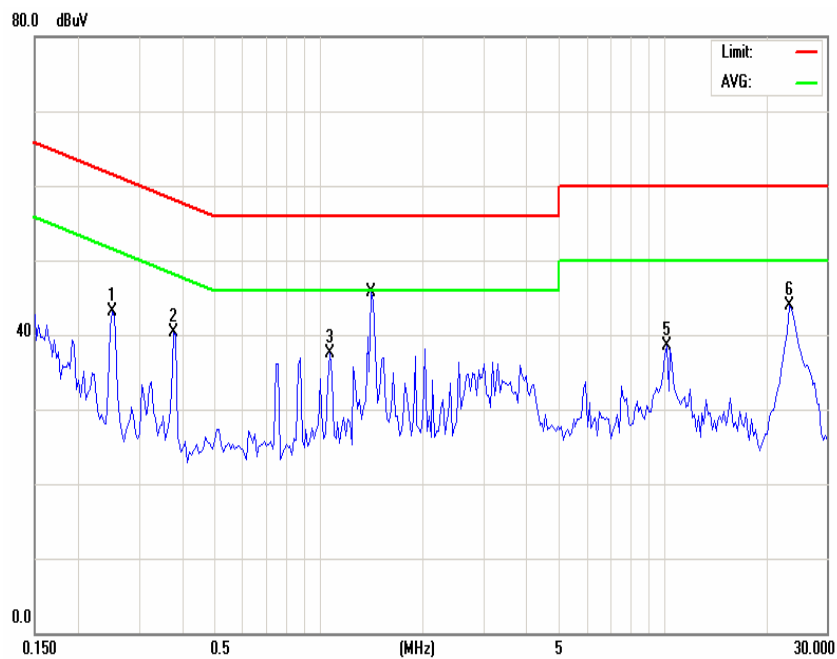
Line N Conducted Emission Graph

Line L (Hot Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.156	46.42	65.66	-19.24	0.156	34.95	55.66	-20.71
2	0.251	43.05	61.71	-18.66	0.251	32.09	51.71	-19.62
3	0.379	41.62	58.30	-16.68	0.379	31.85	48.30	-16.45
4	1.464	39.14	56.00	-16.86	1.464	30.94	46.00	-15.06
5	17.428	43.90	60.00	-16.10	17.428	32.67	50.00	-17.33
6	23.636	42.90	60.00	-17.10	23.636	32.85	50.00	-17.15
Line N (Neutral Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.255	41.96	61.60	-19.64	0.255	31.43	51.60	-20.17
2	0.885	36.11	56.00	-19.89	0.885	27.98	46.00	-18.02
3	1.464	38.47	56.00	-17.53	1.464	26.35	46.00	-19.65
4	2.877	36.72	56.00	-19.28	2.877	27.43	46.00	-18.57
5	10.260	36.83	60.00	-23.17	10.260	28.54	50.00	-21.46
6	17.428	44.01	60.00	-15.99	17.428	36.06	50.00	-13.94
Note: All readings are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For VGA Mode 2048*1536@75Hz**



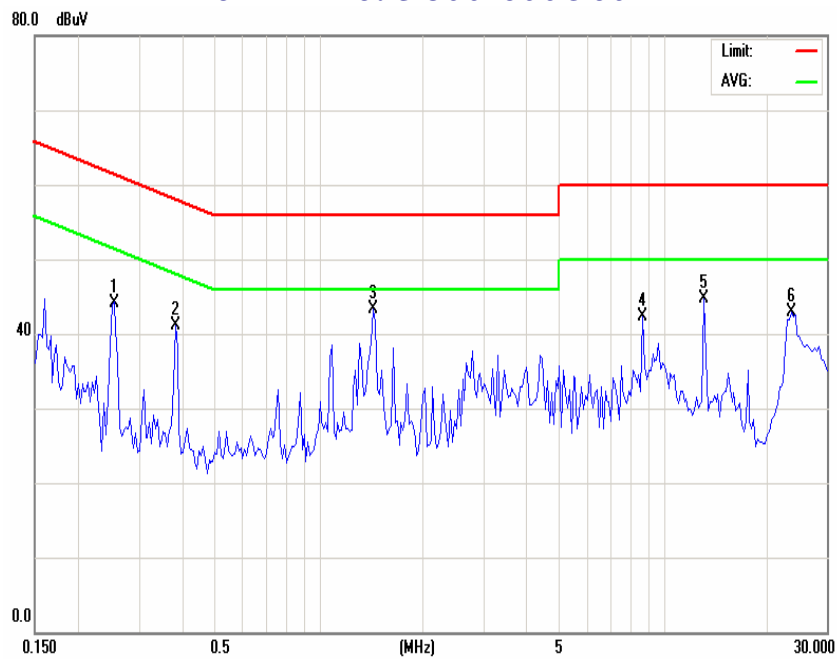
Line L Conducted Emission Graph



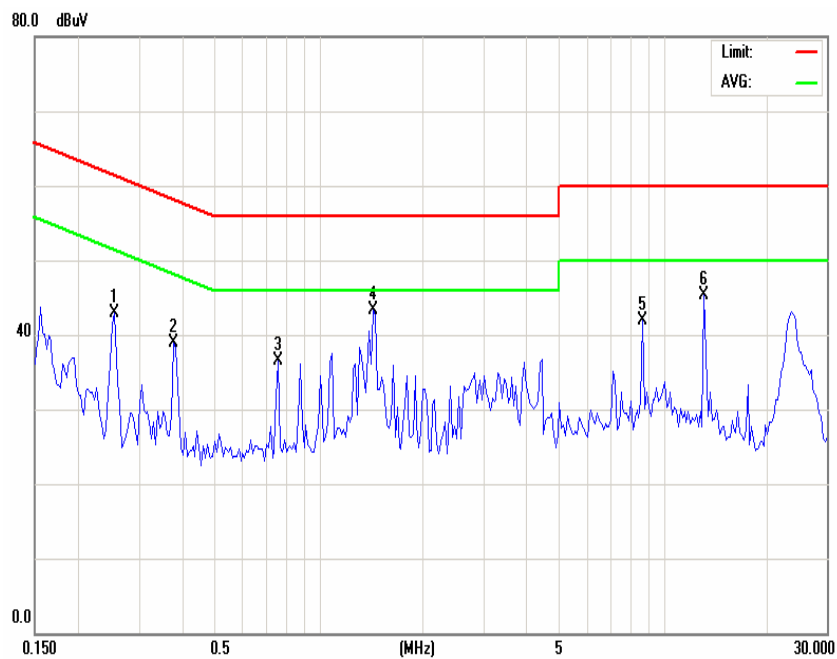
Line N Conducted Emission Graph

Line L (Hot Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.251	43.74	61.71	-17.97	0.251	35.76	51.71	-15.95
2	0.384	43.19	58.19	-15.00	0.384	35.08	48.19	-13.11
3	1.079	37.34	56.00	-18.66	1.079	30.02	46.00	-15.98
4	1.464	38.67	56.00	-17.33	1.464	29.83	46.00	-16.17
5	3.954	36.98	56.00	-19.02	3.954	27.44	46.00	-18.56
6	23.951	43.30	60.00	-16.70	23.951	35.94	50.00	-14.06
Line N (Neutral Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.251	43.12	61.71	-18.59	0.251	35.18	51.71	-16.53
2	0.379	40.32	58.30	-17.98	0.379	31.03	48.30	-17.27
3	1.079	37.53	56.00	-18.47	1.079	29.45	46.00	-16.55
4	1.409	42.28	56.00	-13.72	1.409	34.17	46.00	-11.83
5	10.260	38.51	60.00	-21.49	10.260	29.04	50.00	-20.96
6	23.325	43.96	60.00	-16.04	23.325	34.95	50.00	-15.05
Note: All readings are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For DVI Mode 800*600@60Hz**



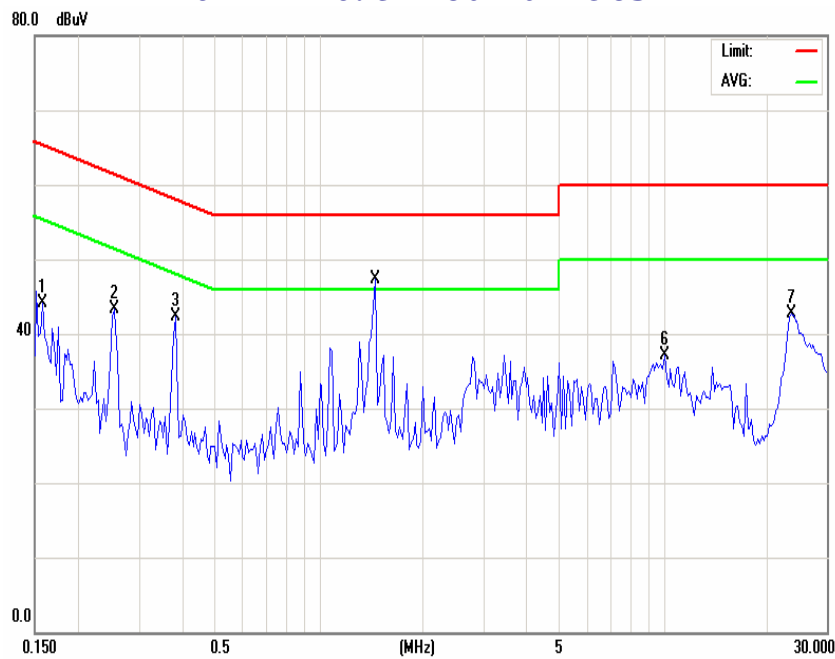
Line L Conducted Emission Graph



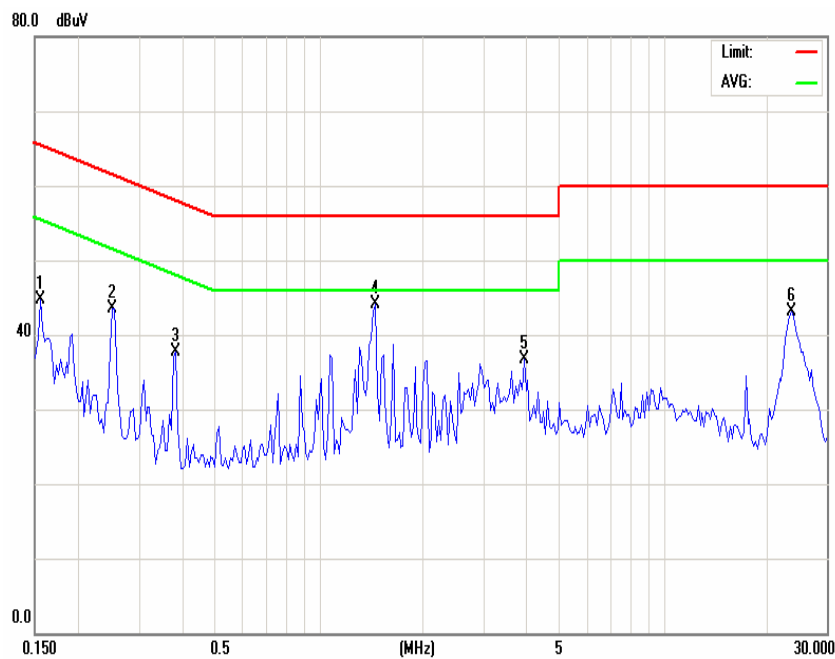
Line N Conducted Emission Graph

Line L (Hot Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.255	44.20	61.60	-17.40	0.255	35.93	51.60	-15.67
2	0.384	41.14	58.19	-17.05	0.384	31.02	48.19	-17.17
3	1.445	43.30	56.00	-12.70	1.445	32.56	46.00	-13.44
4	8.752	42.36	60.00	-17.64	8.752	33.85	50.00	-16.15
5	13.197	44.80	60.00	-15.20	13.197	34.13	50.00	-15.87
6	23.636	42.94	60.00	-17.06	23.636	32.43	50.00	-17.57
Line N (Neutral Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.255	42.96	61.60	-18.64	0.255	33.13	51.60	-18.47
2	0.379	39.00	58.30	-19.30	0.379	29.05	48.30	-19.25
3	0.765	36.45	56.00	-19.55	0.765	28.35	46.00	-17.65
4	1.445	43.26	56.00	-12.74	1.445	35.03	46.00	-10.97
5	8.752	41.93	60.00	-18.07	8.752	32.95	50.00	-17.05
6	13.197	45.24	60.00	-14.76	13.197	36.37	50.00	-13.63
Note: All readings are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For DVI Mode 1280*1024@85Hz**



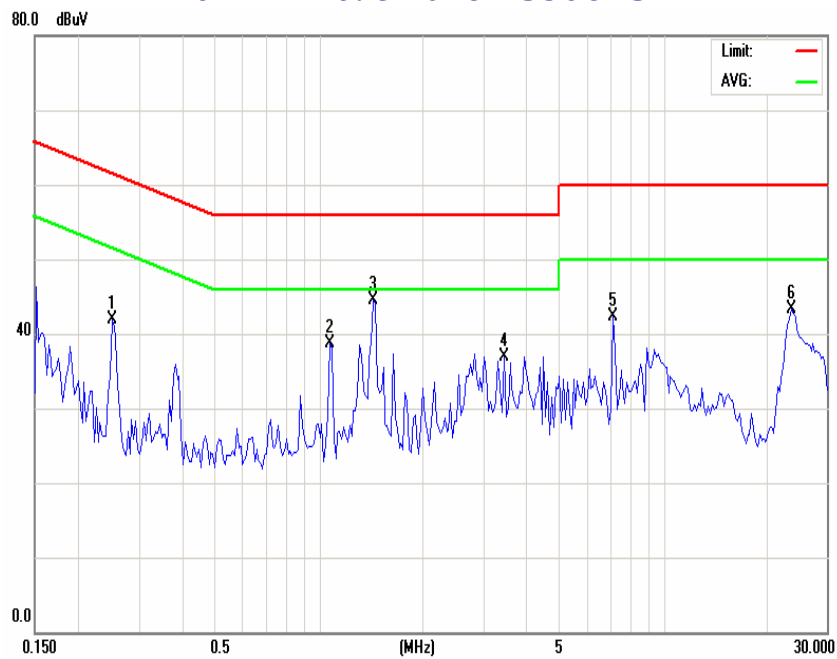
Line L Conducted Emission Graph



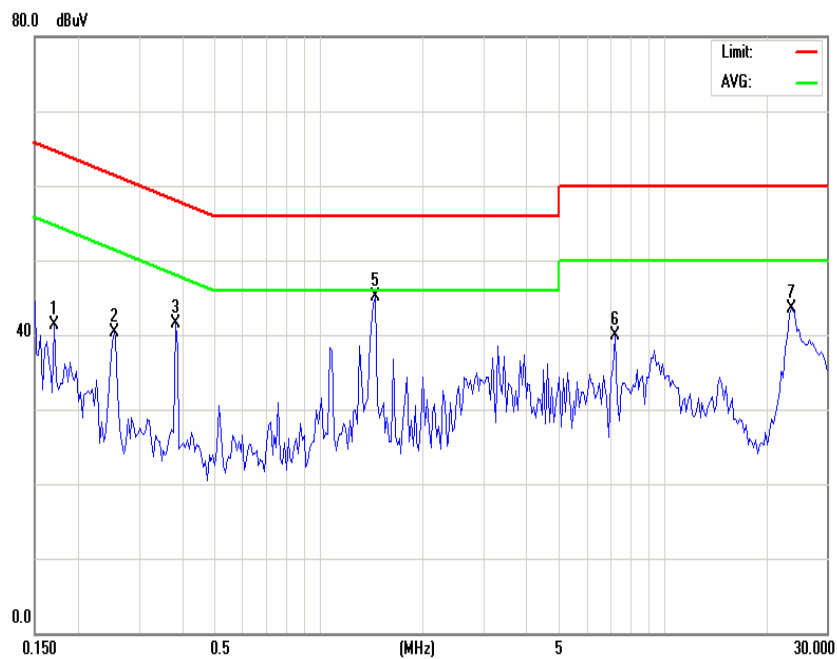
Line N Conducted Emission Graph

Line L (Hot Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.158	44.02	65.55	-21.53	0.158	35.02	55.55	-20.53
2	0.255	43.21	61.60	-18.39	0.255	33.75	51.60	-17.85
3	0.384	42.30	58.19	-15.89	0.384	32.19	48.19	-16.00
4	1.454	46.32	56.00	-9.68	1.454	41.82	46.00	-4.18
5	10.125	37.17	60.00	-22.83	10.125	29.04	50.00	-20.96
6	23.636	42.76	60.00	-17.24	23.636	34.24	50.00	-15.76
Line N (Neutral Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.156	44.80	65.66	-20.86	0.156	35.44	55.66	-20.53
2	0.251	43.56	61.71	-18.15	0.251	35.57	51.71	-20.22
3	0.384	37.76	58.19	-20.43	0.384	28.94	48.19	-16.14
4	1.464	44.05	56.00	-11.95	1.464	35.69	46.00	-19.25
5	3.954	36.77	56.00	-19.23	3.954	28.43	46.00	-10.31
6	23.636	43.19	60.00	-16.81	23.636	35.01	50.00	-17.57
Note: All readings are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For DVI Mode 2048*1536@75Hz**



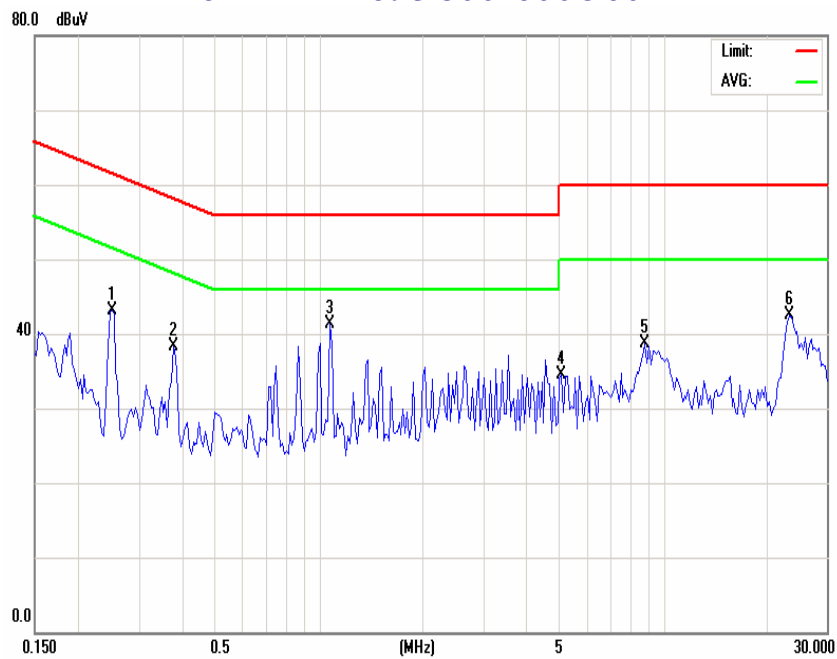
Line L Conducted Emission Graph



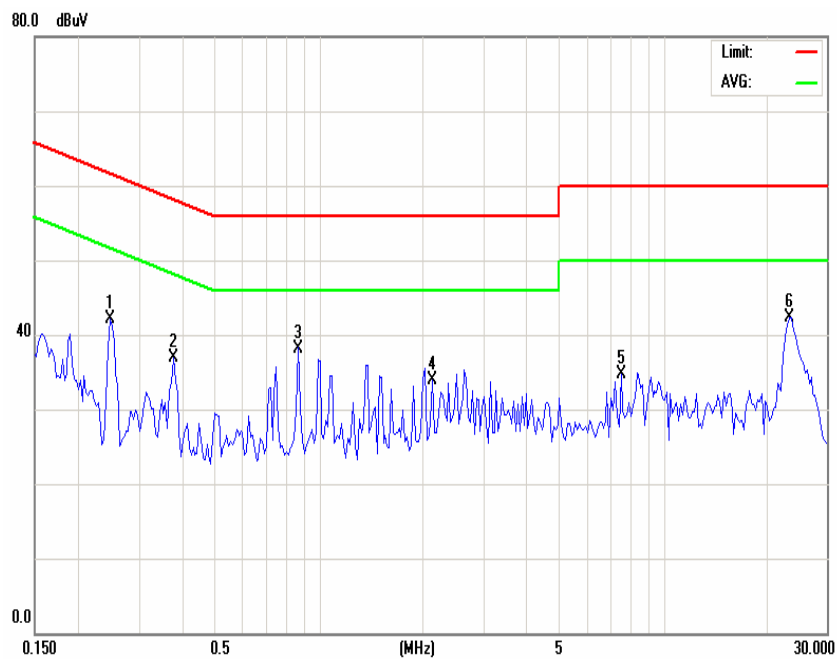
Line N Conducted Emission Graph

Line L (Hot Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.251	41.85	61.71	-19.86	0.251	31.54	51.71	-20.17
2	1.079	38.73	56.00	-17.27	1.079	29.04	46.00	-16.96
3	1.445	44.53	56.00	-11.47	1.445	35.13	46.00	-10.87
4	3.463	36.89	56.00	-19.11	3.463	29.43	46.00	-16.57
5	7.175	42.35	60.00	-17.65	7.175	34.03	50.00	-15.97
6	23.636	43.27	60.00	-16.73	23.636	34.96	50.00	-15.04
Line N (Neutral Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.171	41.37	64.90	-23.53	0.171	32.04	54.90	-22.86
2	0.255	40.36	61.60	-21.24	0.255	30.11	51.60	-21.49
3	0.384	41.47	58.19	-16.72	0.384	32.95	48.19	-15.24
4	1.458	45.12	56.00	-10.88	1.458	38.95	46.00	-7.05
5	7.271	39.90	60.00	-20.10	7.271	30.59	50.00	-19.41
6	23.636	43.41	60.00	-16.59	23.636	37.24	50.00	-12.76
Note: All readings are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For HDMI Mode 800*600@60Hz**



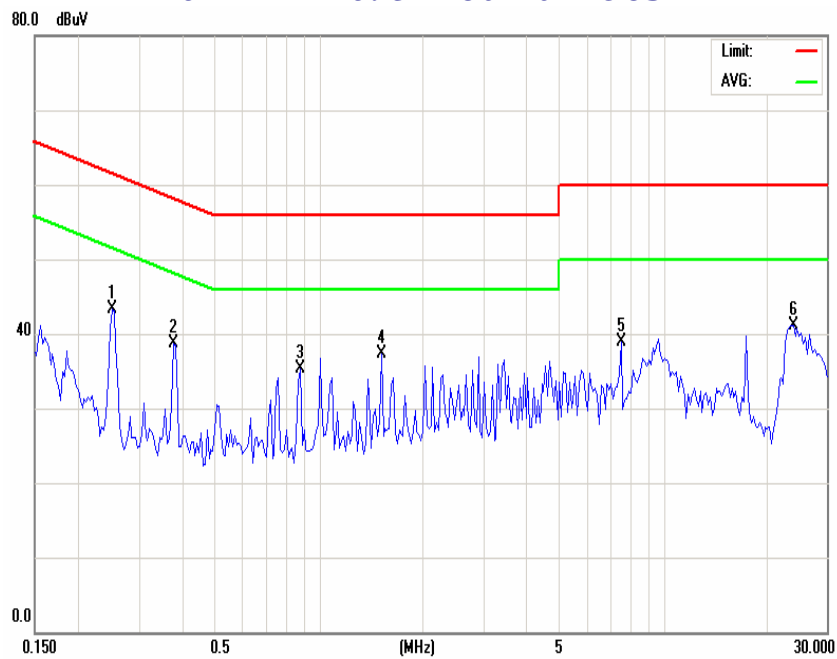
Line L Conducted Emission Graph



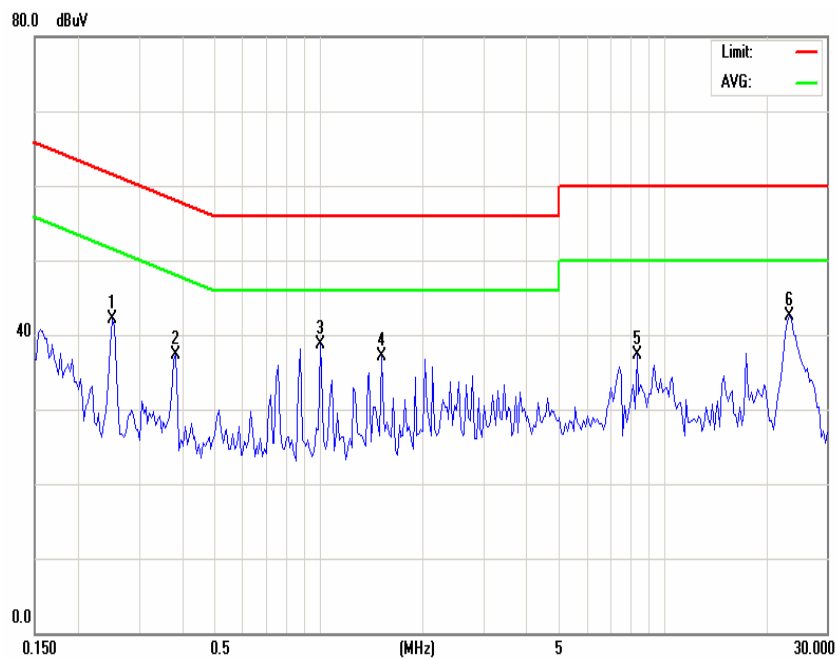
Line N Conducted Emission Graph

Line L (Hot Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.251	43.12	61.71	-18.59	0.251	34.14	51.71	-17.57
2	0.379	38.25	58.30	-20.05	0.379	29.05	48.30	-19.25
3	1.079	41.24	56.00	-14.76	1.079	30.54	46.00	-15.46
4	5.085	34.50	60.00	-25.50	5.085	27.54	50.00	-22.46
5	8.869	38.74	60.00	-21.26	8.869	29.43	50.00	-20.57
6	23.325	42.42	60.00	-17.58	23.325	32.10	50.00	-17.90
Line N (Neutral Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.248	42.10	61.82	-19.72	0.248	34.19	51.82	-17.63
2	0.379	36.96	58.30	-21.34	0.379	27.76	48.30	-20.54
3	0.873	38.20	56.00	-17.80	0.873	29.13	46.00	-16.87
4	2.149	33.86	56.00	-22.14	2.149	25.04	46.00	-20.96
5	7.566	34.71	60.00	-25.29	7.566	30.00	50.00	-20.00
6	23.325	42.38	60.00	-17.62	23.325	35.84	50.00	-14.16
Note: All readings are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For HDMI Mode 1280*1024@85Hz**



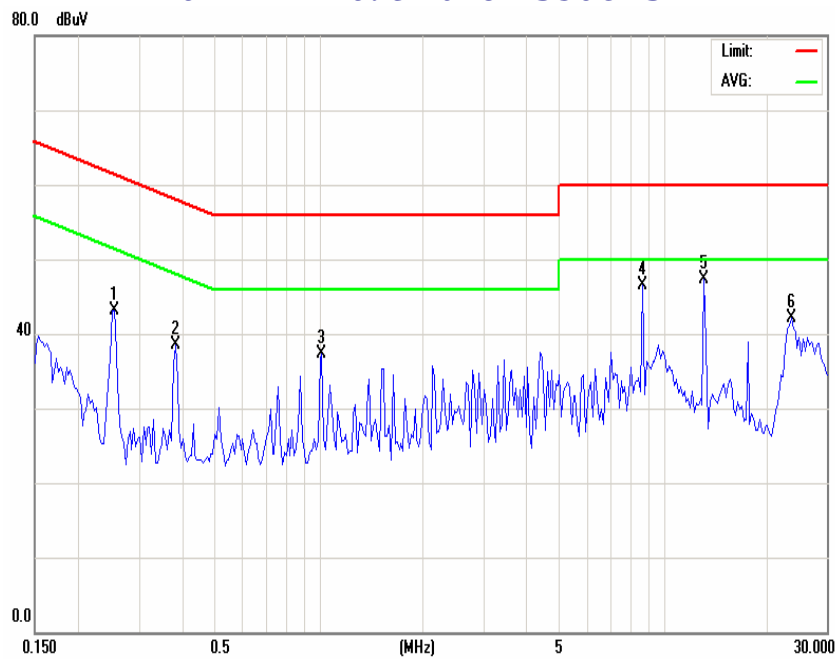
Line L Conducted Emission Graph



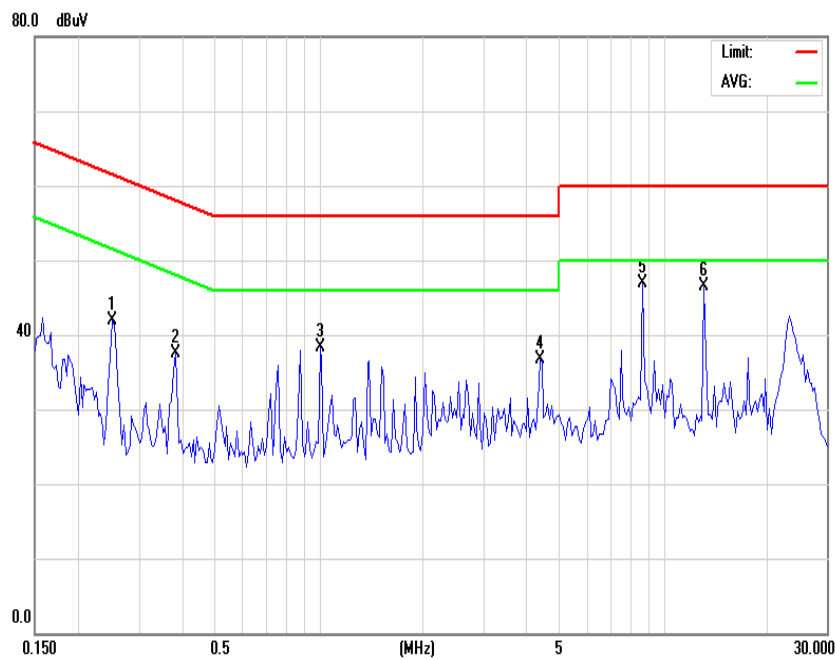
Line N Conducted Emission Graph

Line L (Hot Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.251	43.37	61.71	-18.34	0.251	33.91	51.71	-17.8
2	0.379	38.66	58.30	-19.64	0.379	31.02	48.30	-17.28
3	0.885	35.35	56.00	-20.65	0.885	28.03	46.00	-17.97
4	1.523	37.39	56.00	-18.61	1.523	29.87	46.00	-16.13
5	7.566	38.81	60.00	-21.19	7.566	28.19	50.00	-21.81
6	23.951	41.13	60.00	-18.87	23.951	31.15	50.00	-14.16
Line N (Neutral Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.251	42.14	61.71	-19.57	0.251	33.19	51.71	-18.52
2	0.384	37.26	58.19	-20.93	0.384	28.95	48.19	-19.24
3	1.010	38.78	56.00	-17.22	1.010	31.04	46.00	-14.96
4	1.523	37.09	56.00	-18.91	1.523	29.87	46.00	-16.13
5	8.412	37.36	60.00	-22.64	8.412	29.65	50.00	-20.35
6	23.325	42.51	60.00	-17.49	23.325	34.19	50.00	-15.81
Note: All readings are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For HDMI Mode 2048*1536@75Hz**



Line L Conducted Emission Graph



Line N Conducted Emission Graph

Line L (Hot Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.255	43.19	61.60	-18.41	0.255	32.19	51.60	-19.41
2	0.384	38.44	58.19	-19.75	0.384	29.32	48.19	-18.87
3	1.024	37.37	56.00	-18.63	1.024	26.19	46.00	-19.81
4	8.752	46.53	60.00	-13.47	8.752	40.13	50.00	-9.87
5	13.197	47.30	60.00	-12.70	13.197	41.18	50.00	-8.82
6	23.636	42.11	60.00	-17.89	23.636	37.94	50.00	-12.06
Line N (Neutral Lead)								
Signal	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AVE Level (dBuV)	Limits AVE (dBuV)	Margin AVE (dB)
1	0.251	41.85	61.71	-19.86	0.251	32.98	51.71	-18.73
2	0.384	37.44	58.19	-20.75	0.384	29.38	48.19	-18.81
3	1.010	38.33	56.00	-17.67	1.010	28.64	46.00	-17.36
4	4.395	36.62	56.00	-19.38	4.395	27.05	46.00	-18.95
5	8.752	46.84	60.00	-13.16	8.752	38.19	50.00	-11.81
6	13.197	46.53	60.00	-13.47	13.197	37.46	50.00	-12.54
Note: All readings are using a bandwidth of 9 kHz, with a 30 ms sweep time. A video filter was not used.								

Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due Date
EMI Receiver	HP	85462A	3650A00363	11/29/07	11/28/08
LISN	R&S	ESH3-Z5	844249/018	12/04/07	12/03/08
Note: All testing were performed using internationally recognized standards. All test instruments were calibrated.					

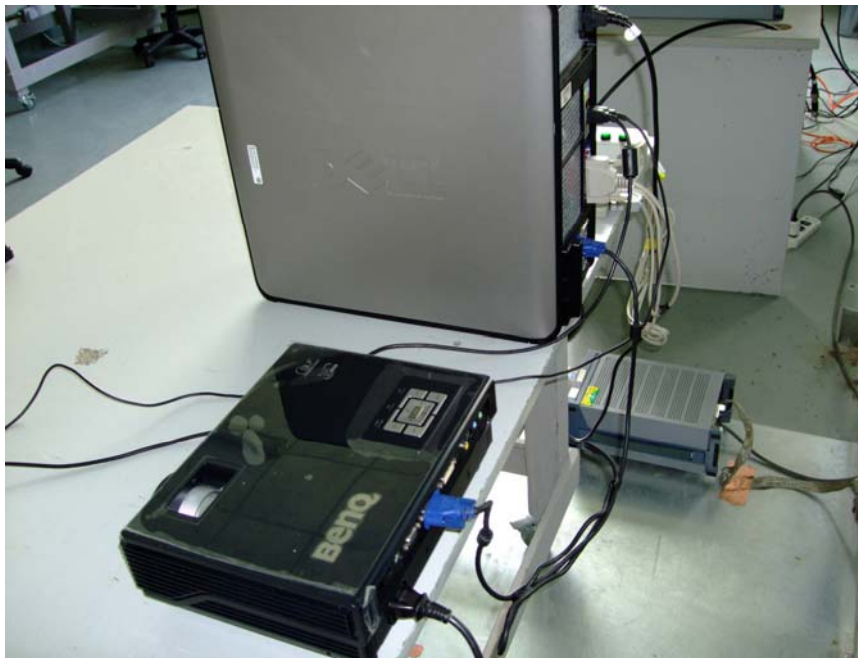
SIGNED BY: Cloud Feng
ENGINEER

REVIEWED BY: Hangzhan
SENIOR ENGINEER

Model Number: VT6510
For VGA Mode



Conducted Emission Test Set-up - Front View

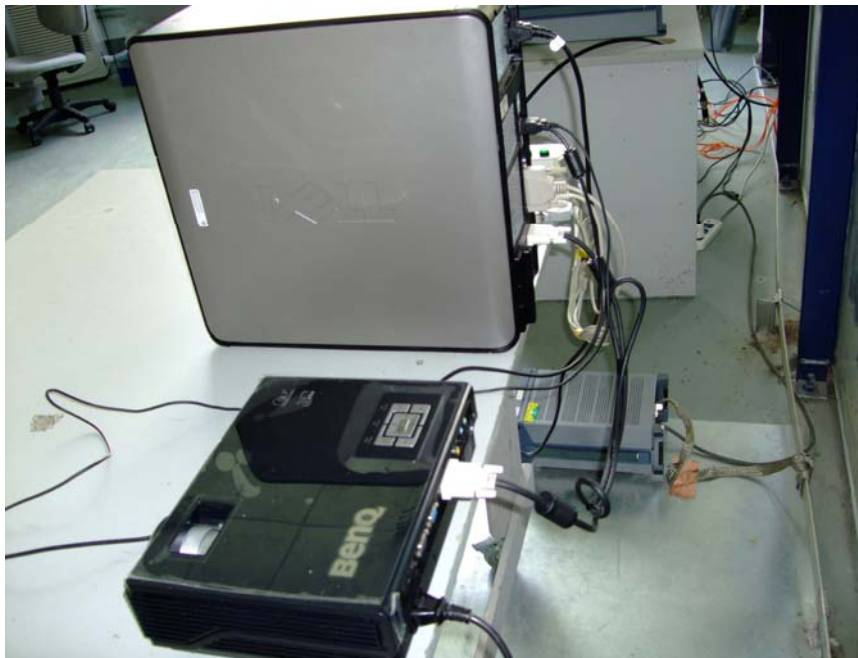


Conducted Emission Test Set-up - Side View

Model Number: VT6510
For DVI Mode



Conducted Emission Test Set-up - Front View



Conducted Emission Test Set-up - Side View

Model Number: VT6510
For HDMI Mode



Conducted Emission Test Set-up - Front View



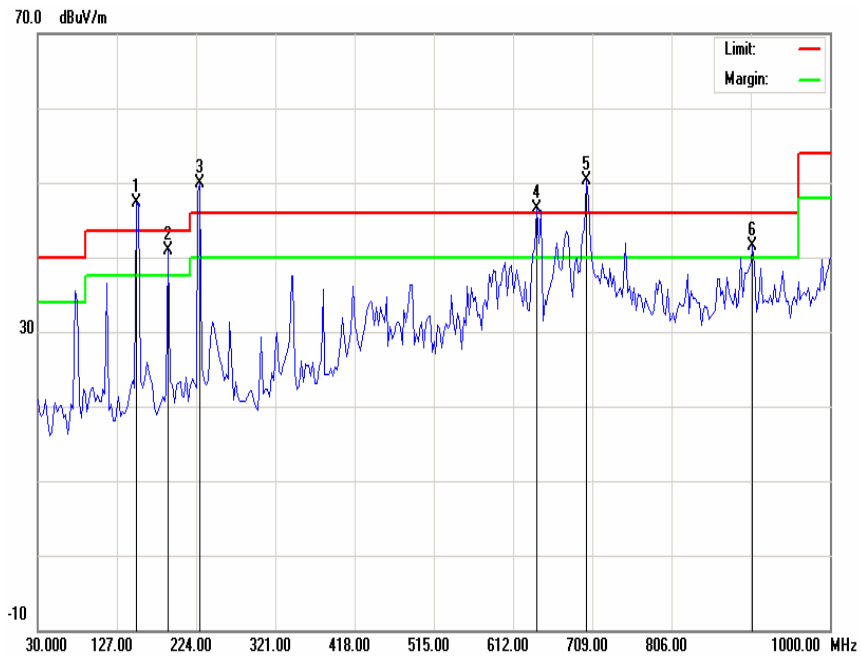
Conducted Emission Test Set-up - Side View

ATTACHMENT 2 - RADIATED EMISSION TEST RESULTS

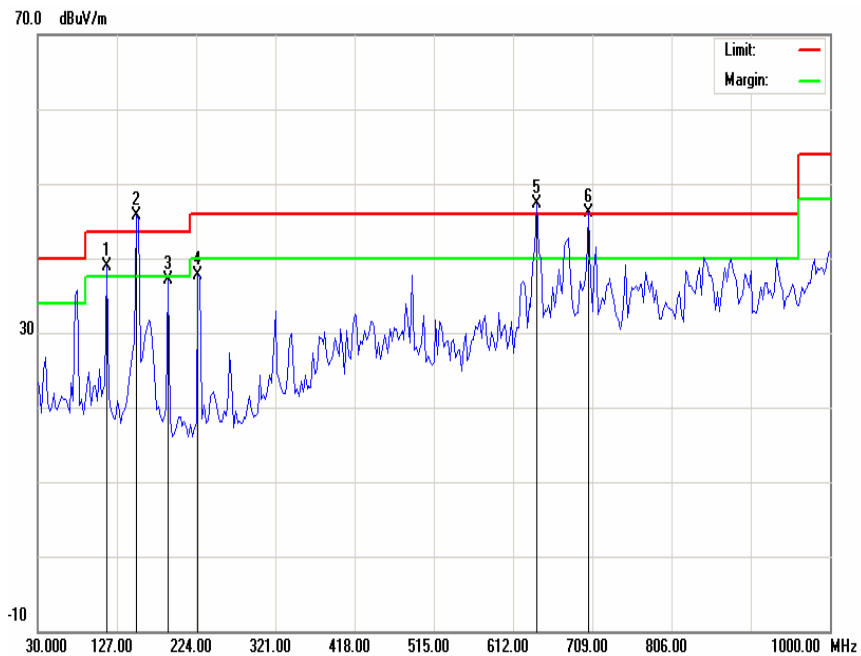
CLIENT:	S3 GRAPHICS CO., LTD.	TEST REFERENCE:	FCC Part 15, Class B
MODEL NUMBERS:	VT6510	PRODUCT:	Graphic Card
SERIAL NO.:	Engineering Sample	EUT DESIGNATION:	ITE equipment
TEMPERATURE:	26°C	HUMIDITY:	50%
ATM PRESSURE:	102.1Pa	GROUNDING:	None
TESTED BY:	Cloud Feng	DATE OF TEST:	2008, July 11
SETUP METHOD:	ANSI C63.4-2003, FCC 15.32		
CONFIGURATION:	<p>As specified in FCC 15.32(a):</p> <p>Testing for radiated emissions shall be performed with the CPU board installed in a typical enclosure but with the enclosure's cover removed so that the internal circuitry is exposed at the top and on at least two sides. Additional components, including a power supply, peripheral devices, and subassemblies, shall be added, as needed, to result in a complete personal computer system. If the oscillator and the microprocessor circuits are contained on separate circuit boards, both boards, typical of the combination that would normally be employed, must be used in the test. Testing shall be in accordance with the procedures specified in Section 15.31 of this part.</p> <p>(i) Under these test conditions, the system under test shall not exceed the radiated emission limits specified in Section 15.109 of this part by more than 6 dB. Emissions greater than 6 dB that can be identified and documented to originate from a component(s) other than the CPU board being tested may be dismissed.</p> <p>(ii) Unless the test in paragraph (a)(1)(i) of this section demonstrates compliance with the limits in Section 15.109 of this part, a second test shall be performed using the same configuration described above but with the cover installed on the enclosure. Testing shall be in accordance with the procedures specified in Section 15.31 of this part. Under these test conditions, the system under test shall not exceed the radiated emission limits specified in Section 15.109 of this part.</p>		
TEST PROCEDURE:	<p>a. The EUT was placed on a rotatable table with 0.8 meters above ground.</p> <p>b. The EUT was set 3 meters from the interference-receiving antenna, which was mounted on the top of a variable height antenna tower.</p> <p>c. For each suspected emission the EUT was arranged to its worst case and turn table (from 0 degree to 360 degree) to find the maximum reading.</p> <p>d. If the emission level of the EUT in peak mode was 20 dB lower than the specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be tested using the quasi-peak method in about six maximal points and the results will be reported.</p> <p>Explanation of the Correction Factor are given as follows:</p> $FS = RA + AF + CF - AG$ <p>Where: FS = Field Strength</p> <p>RA = Receiver Amplitude</p> <p>AF = Antenna Factor</p>		

	CF = Cable Attenuation Factor AG = Amplifier Gain
TESTED RANGE:	30MHz to 5000MHz
TEST VOLTAGE:	120VAC / 60Hz
RESULTS:	<p><i>For Enclosure's cover removed</i></p> <p><i>For VGA mode:</i> The reading is over the requirements of test reference for Radiated Emissions on horizontal polarization by 4.29 dB at 701.72 MHz.</p> <p><i>For DVI mode:</i> The reading is over the requirements of test reference for Radiated Emissions on vertical polarization by 4.37 dB at 704.15 MHz.</p> <p><i>For HDMI mode:</i> The reading is over meets the requirements of test reference for Radiated Emissions on vertical polarization by 2.14 dB at 641.15 MHz.</p> <p><i>For Enclosure's cover on</i></p> <p><i>For VGA mode:</i> The EUT meets the requirements of test reference for Radiated Emissions on horizontal polarization by 6.73 dB at 750.23 MHz.</p> <p><i>For DVI mode:</i> The EUT meets the requirements of test reference for Radiated Emissions on horizontal polarization by 2.96 dB at 245.83 MHz.</p> <p><i>For HDMI mode:</i> The EUT meets the requirements of test reference for Radiated Emissions on horizontal polarization by 3.32 dB at 405.87 MHz.</p> <p>The test results relate only to the equipment under test provided by client.</p>
CHANGES OR MODIFICATIONS:	There were no modifications installed by ECMG Worldwide Certification Solution, Inc (China) test personnel.
M. UNCERTAINTY:	Freq. $\pm 2 \times 10^{-7}$ x Center Freq., Amp ± 2.6 dB

For VT6510:
For VGA Mode 800*600@60Hz
Enclosure's cover removed



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

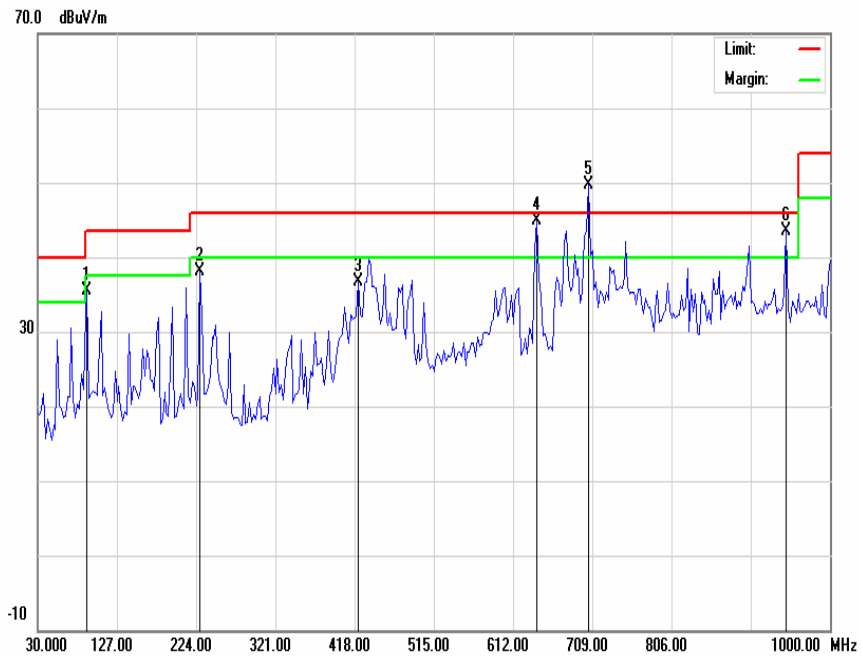


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

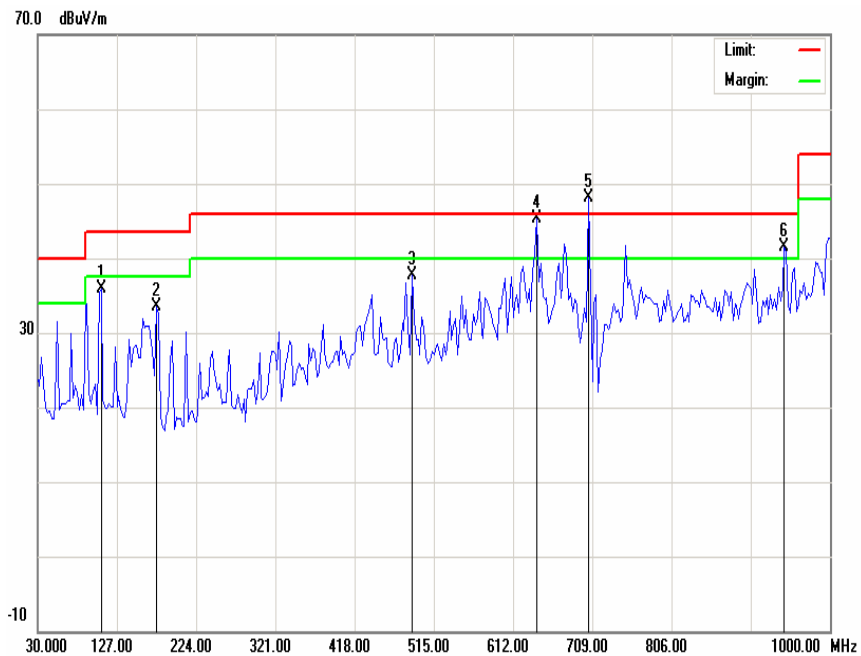
<p align="center">Model VT6510 For VGA Mode 800*600@60Hz Enclosure's cover removed</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	151.25	11.99	47.26	43.5	3.76	300	205
2	190.05	13.21	40.83	43.5	-2.67	157	141
3	228.84	14.18	50.00	46.00	4.00	234	118
4	641.10	21.58	46.58	46.00	0.58	134	109
5	701.72	22.72	50.29	46.00	4.29	129	164
6	905.42	25.17	41.42	46.00	-4.58	329	134
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	114.87	10.58	38.97	43.50	-4.53	318	116
2	151.25	11.99	45.63	43.50	2.13	29	157
3	190.05	13.21	37.06	43.50	-6.44	123	139
4	226.42	14.13	37.65	46.00	-8.35	0	102
5	641.10	21.58	47.28	46.00	1.28	164	134
6	704.15	22.75	46.10	46.00	0.10	248	183
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2407.0	31.46	32.82	54.00	-21.18	53.96	74.00	-20.04
2	2497.3	31.94	45.44	54.00	-8.56	60.44	74.00	-13.56
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2438.0	31.62	32.92	54.00	-21.08	61.12	74.00	-12.88
2	2488.5	31.89	40.85	54.00	-13.15	64.15	74.00	-9.85
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For VGA Mode 1280*1024@85Hz
Enclosure's cover removed**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

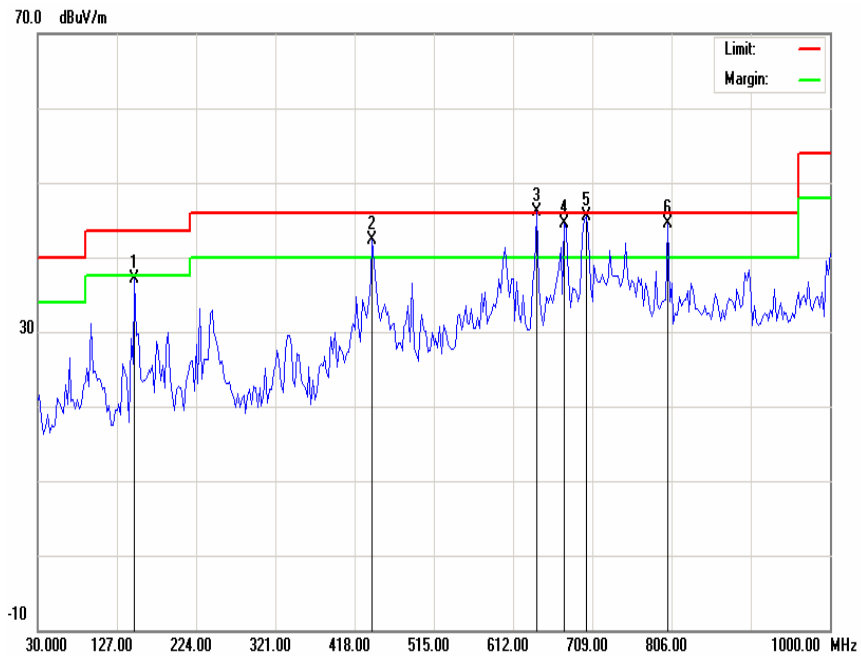


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

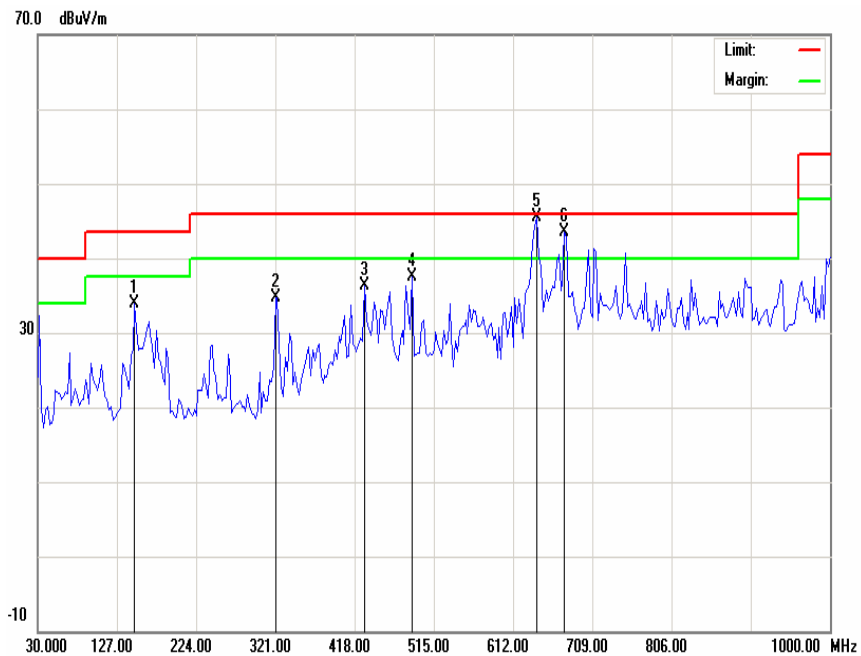
<p align="center">Model VT6510 For VGA Mode 1280*1024@85Hz Enclosure's cover removed</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	90.63	8.50	35.41	43.50	-8.09	123	128
2	228.85	14.18	38.06	46.00	-7.94	139	180
3	422.85	18.25	36.77	46.00	-9.23	290	204
4	641.13	21.58	44.97	46.00	-1.03	356	143
5	704.15	22.75	49.74	46.00	3.74	17	136
6	946.65	25.70	43.41	46.00	-2.59	173	157
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	107.60	10.30	35.98	43.50	-7.52	294	100
2	175.56	12.69	33.49	43.50	-10.01	274	100
3	488.34	19.82	37.79	46.00	-8.21	137	119
4	641.13	21.58	45.4	46.00	-0.60	187	130
5	704.15	22.75	48.1	46.00	2.10	129	132
6	944.23	25.68	41.43	46.00	-4.57	148	118
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1685.6	27.32	28.00	54.00	-26.00	51.97	74.00	-22.03
2	2452.8	31.70	35.38	54.00	-18.62	58.50	74.00	-15.50
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1772.5	27.87	30.52	54.00	-23.48	51.07	74.00	-22.93
2	2489.5	31.89	41.17	54.00	-12.83	60.45	74.00	-13.55
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For VGA Mode 2048*1536@75Hz
Enclosure's cover removed**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

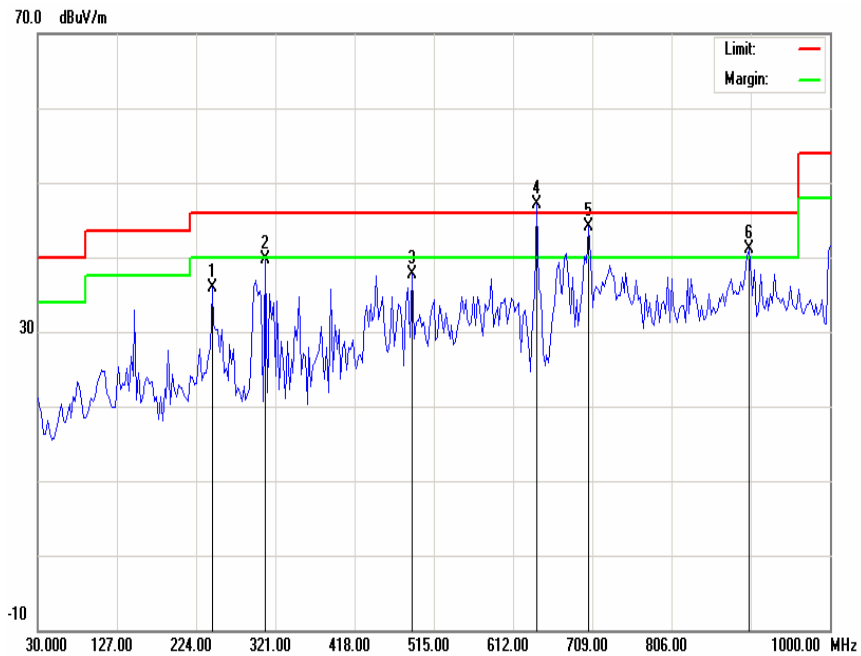


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

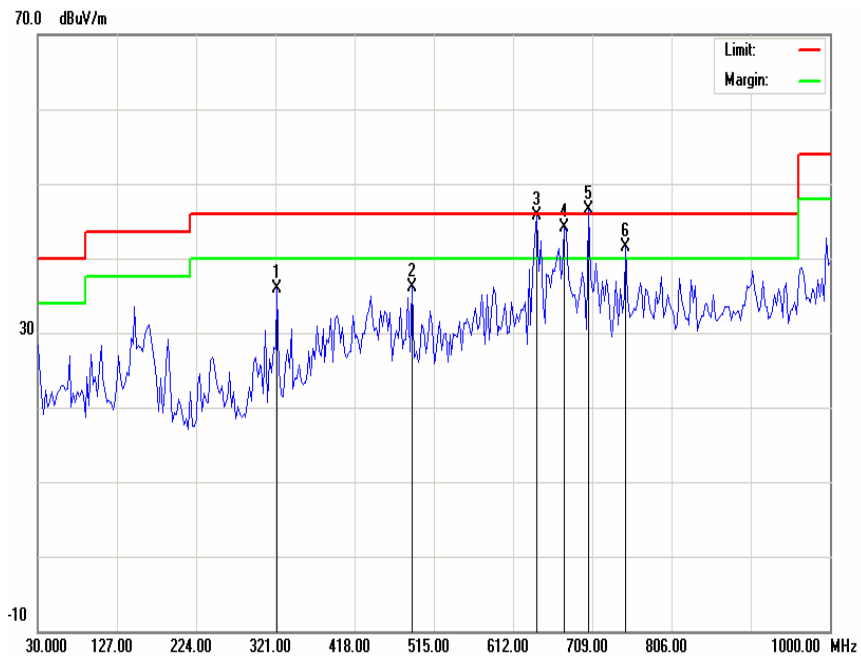
<p align="center">Model VT6510 For VGA Mode 2048*1536@75Hz Enclosure's cover removed</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	148.82	11.91	37.02	43.50	-6.48	298	128
2	439.82	18.66	42.36	46.00	-3.64	325	180
3	641.13	21.58	46.07	46.00	0.07	330	204
4	675.05	22.23	44.42	46.00	-1.58	173	143
5	701.73	22.72	45.54	46.00	-0.46	85	136
6	801.15	24.11	44.43	46.00	-1.57	103	157
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	148.82	11.91	33.88	43.50	-9.62	285	100
2	321.00	15.96	34.79	46.00	-11.21	211	100
3	430.13	18.42	36.21	46.00	-9.79	145	119
4	488.33	19.82	37.56	46.00	-8.44	318	130
5	641.23	21.58	45.47	46.00	-0.53	176	132
6	675.05	22.23	43.44	46.00	-2.56	131	118
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2106.4	29.86	33.66	54.00	-20.34	59.46	74.00	-14.54
2	2500.0	31.95	34.75	54.00	-19.25	56.55	74.00	-17.45
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2107.8	29.87	28.07	54.00	-25.93	53.67	74.00	-20.33
2	2489.6	31.89	37.57	54.00	-16.43	58.39	74.00	-15.61
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For DVI Mode 800*600@60Hz
Enclosure's cover removed**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

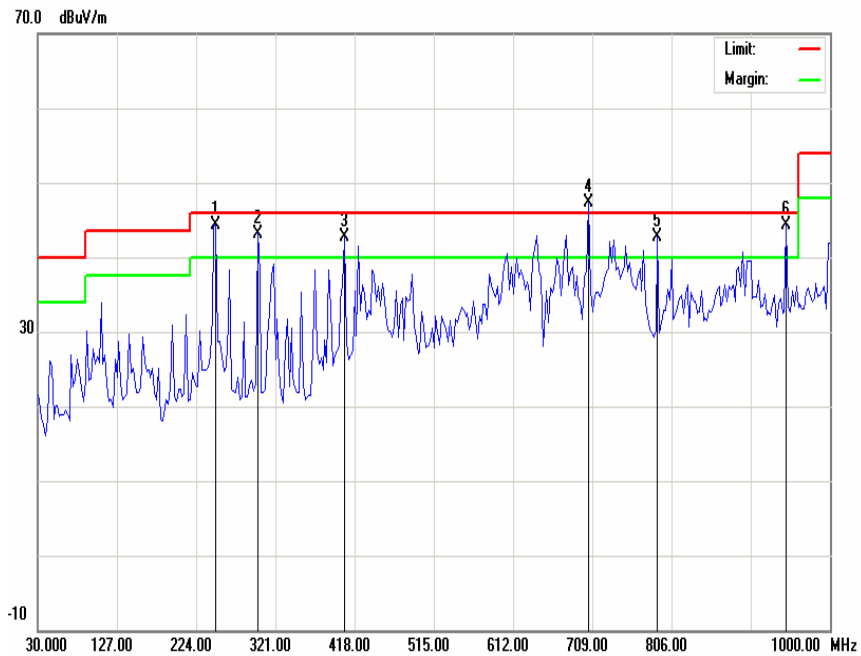


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

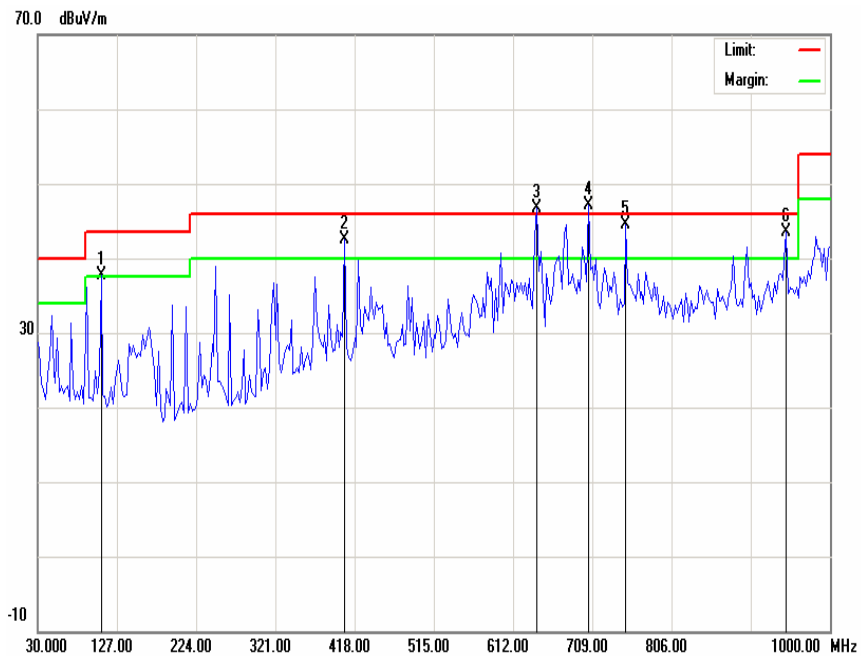
<p align="center">Model VT6510 For DVI Mode 800*600@60Hz Enclosure's cover removed</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	243.40	14.46	35.95	46.00	-10.05	129	104
2	308.88	15.7	39.68	46.00	-6.32	87	153
3	488.32	19.82	37.68	46.00	-8.32	184	189
4	641.14	21.58	47.14	46.00	1.14	134	205
5	704.15	22.75	44.16	46.00	-1.84	303	200
6	900.58	25.11	41.09	46.00	-4.91	287	137
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	323.42	16.01	35.82	46.00	-10.18	203	200
2	488.32	19.82	36.09	46.00	-9.91	345	193
3	641.13	21.58	45.72	46.00	-0.28	136	184
4	675.05	22.23	44.14	46.00	-1.86	85	128
5	704.15	22.75	46.51	46.00	0.51	190	147
6	750.225	23.4	41.52	46.00	-4.48	237	100
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2108.5	29.88	35.78	54.00	-18.22	58.48	74.00	-15.52
2	2489.5	31.89	37.19	54.00	-16.81	58.69	74.00	-15.31
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2108.5	29.88	32.68	54.00	-21.32	51.38	74.00	-22.62
2	2485.6	31.87	35.67	54.00	-18.33	57.67	74.00	-16.33
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For DVI Mode 1280*1024@85Hz
Enclosure's cover removed**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

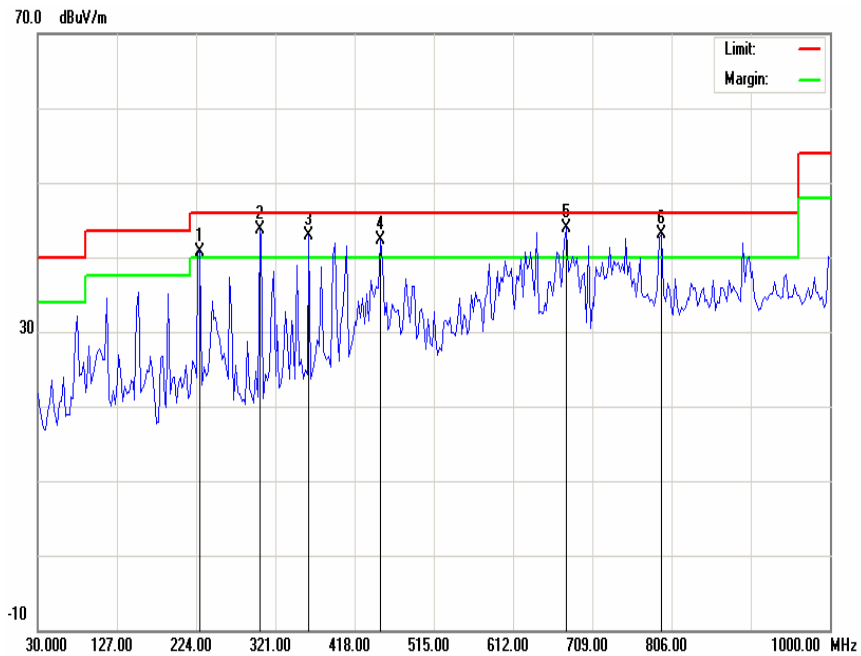


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

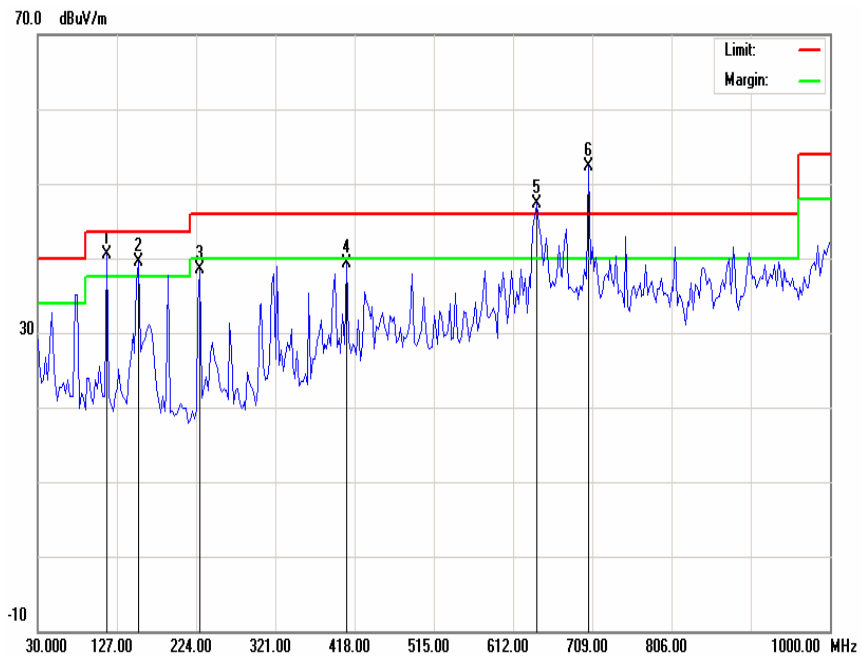
<p align="center">Model VT6510 For DVI Mode 1280*1024@85Hz Enclosure's cover removed</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	248.25	14.56	44.40	46.00	-1.60	302	189
2	299.18	15.49	43.20	46.00	-2.80	32	200
3	405.88	17.85	42.80	46.00	-3.20	124	145
4	704.15	22.75	47.30	46.00	1.30	166	100
5	789.02	23.95	42.62	46.00	-3.38	208	168
6	946.65	25.7	44.34	46.00	-1.66	153	234
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	107.60	10.30	37.75	43.50	-5.75	203	235
2	405.88	17.85	42.50	46.00	-3.50	287	100
3	641.13	21.58	46.67	46.00	0.67	183	105
4	704.15	22.75	47.16	46.00	1.16	163	109
5	750.23	23.40	44.48	46.00	-1.52	78	111
6	946.65	25.70	43.55	46.00	-2.45	213	102
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2065.8	29.65	35.25	54.00	-18.75	57.15	74.00	-16.85
2	2498.5	31.94	34.74	54.00	-19.26	56.74	74.00	-17.26
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2185.6	30.28	27.38	54.00	-26.62	54.08	74.00	-19.92
2	2488.6	31.89	37.49	54.00	-16.51	61.39	74.00	-12.61
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For DVI Mode 2048*1536@75Hz
Enclosure's cover removed**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

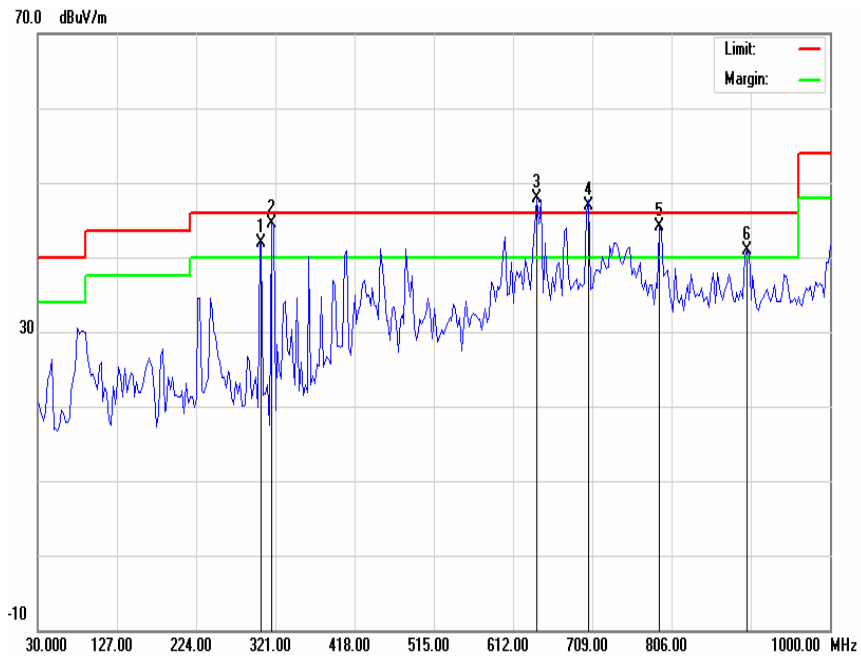


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

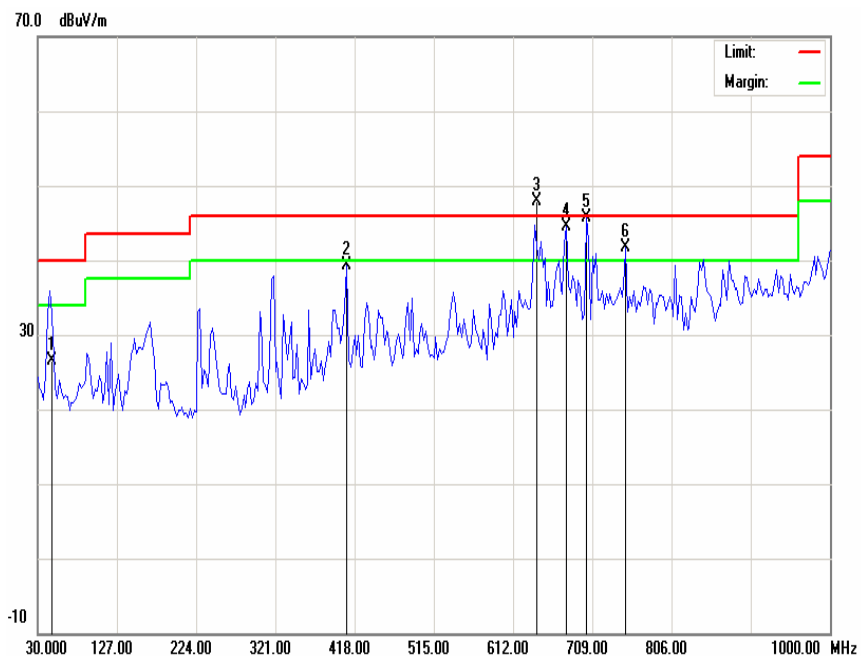
<p align="center">Model VT6510 For DVI Mode 2048*1536@75Hz Enclosure's cover removed</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	228.85	14.18	40.64	46.00	-5.36	56	100
2	301.63	15.54	43.76	46.00	-2.24	277	100
3	362.23	16.87	42.87	46.00	-3.13	318	134
4	449.53	18.89	42.38	46.00	-3.62	309	162
5	677.48	22.27	44.00	46.00	-2.00	236	204
6	793.88	24.01	43.01	46.00	-2.99	147	102
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	114.88	10.58	40.53	43.50	-2.97	132	194
2	153.68	12.06	39.53	43.50	-3.97	194	123
3	228.85	14.18	38.48	46.00	-7.52	128	127
4	408.36	17.90	39.34	46.00	-6.66	143	186
5	641.14	21.58	47.28	46.00	1.28	192	120
6	704.15	22.75	50.37	46.00	4.37	104	203
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1598.5	26.77	23.97	54.00	-30.03	52.37	74.00	-21.63
2	2389.6	31.36	35.16	54.00	-18.84	59.96	74.00	-14.04
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2105.8	29.86	33.54	54.00	-20.46	54.36	74.00	-19.64
2	2395.6	31.40	38.20	54.00	-15.80	59.00	74.00	-15.00
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For HDMI Mode 800*600@60Hz
Enclosure's cover removed**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

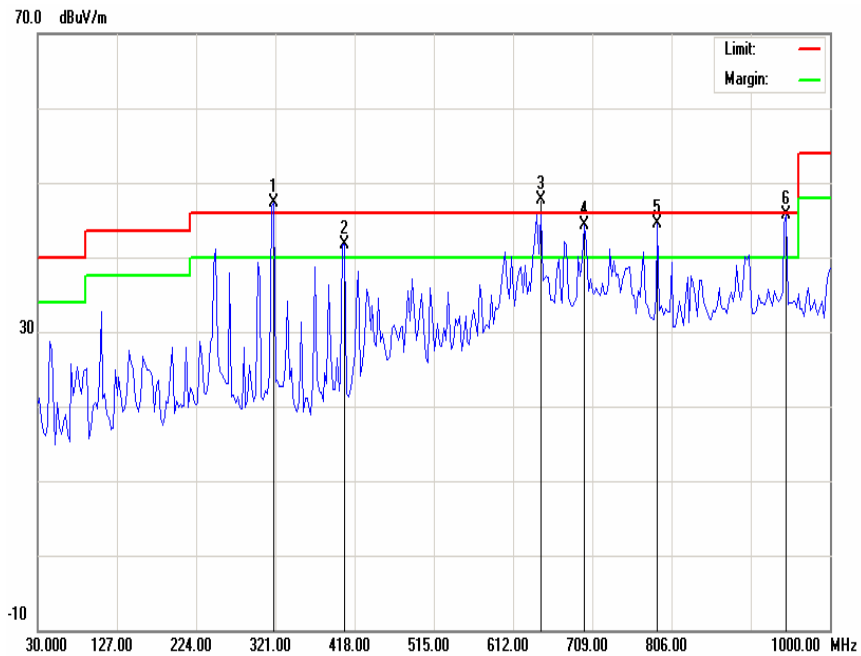


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

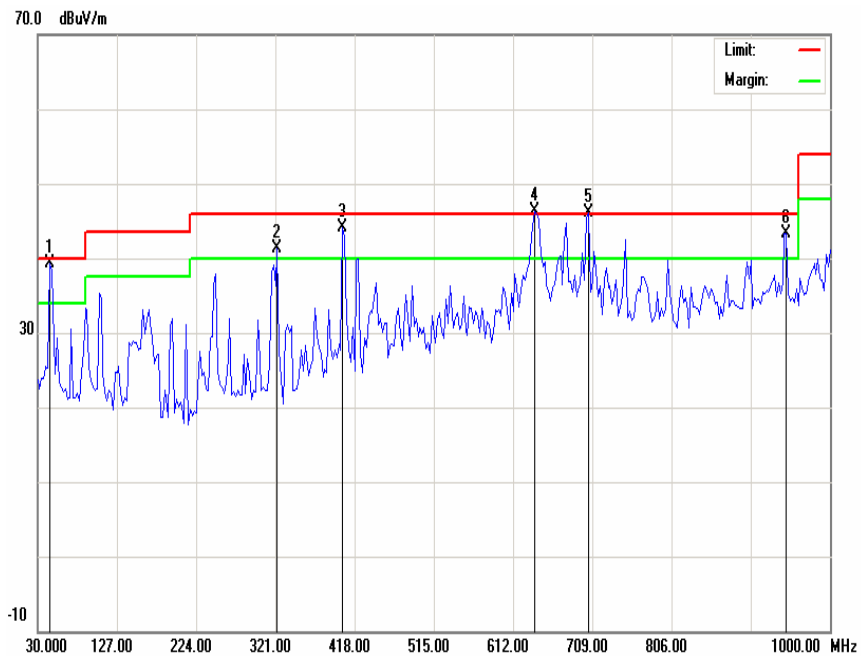
<p align="center">Model VT6510 For HDMI Mode 800*600@60Hz Enclosure's cover removed</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	304.02	15.59	41.92	46.00	-4.08	122	100
2	316.15	15.85	44.58	46.00	-1.42	203	104
3	641.10	21.58	44.93	46.00	-1.07	194	115
4	702.07	22.73	46.96	46.00	0.96	254	176
5	791.45	23.98	44.16	46.00	-1.84	302	183
6	898.15	25.08	40.91	46.00	-5.09	318	129
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	44.98	11.51	26.53	40.00	-13.47	192	200
2	408.3	17.90	39.25	46.00	-6.75	83	193
3	640.00	21.56	44.96	46.00	-1.04	239	184
4	677.48	22.27	44.6	46.00	-1.40	201	128
5	701.73	22.72	45.66	46.00	-0.34	254	147
6	750.23	23.40	41.68	46.00	-4.32	146	100
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2068.5	29.66	31.96	54.00	-22.04	55.26	74.00	-18.74
2	2488.6	31.89	40.49	54.00	-13.51	58.69	74.00	-15.31
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1768.5	27.84	30.44	54.00	-23.56	51.04	74.00	-22.96
2	2446.5	31.67	35.47	54.00	-18.53	56.97	74.00	-17.03
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For HDMI Mode 1280*1024@85Hz
Enclosure's cover removed**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

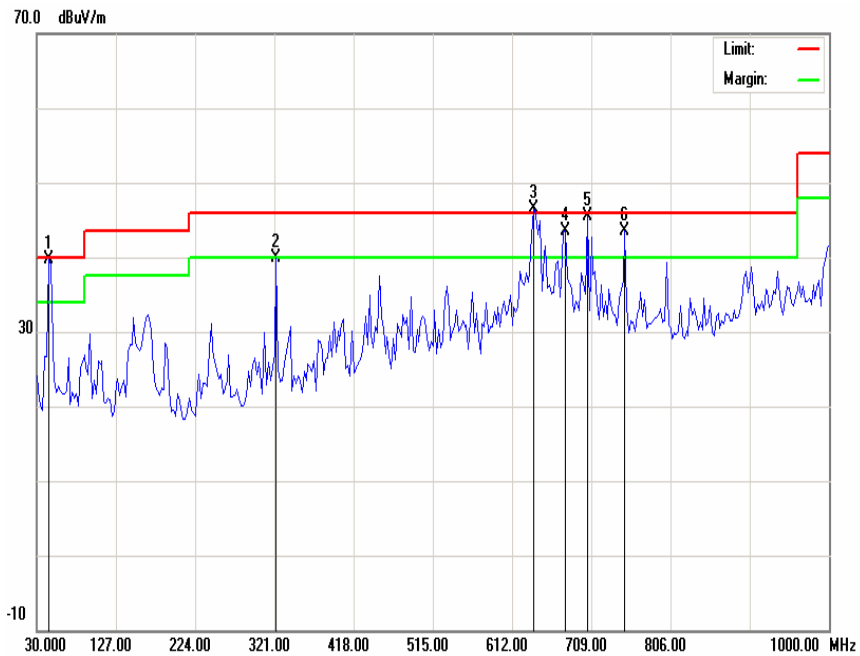


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

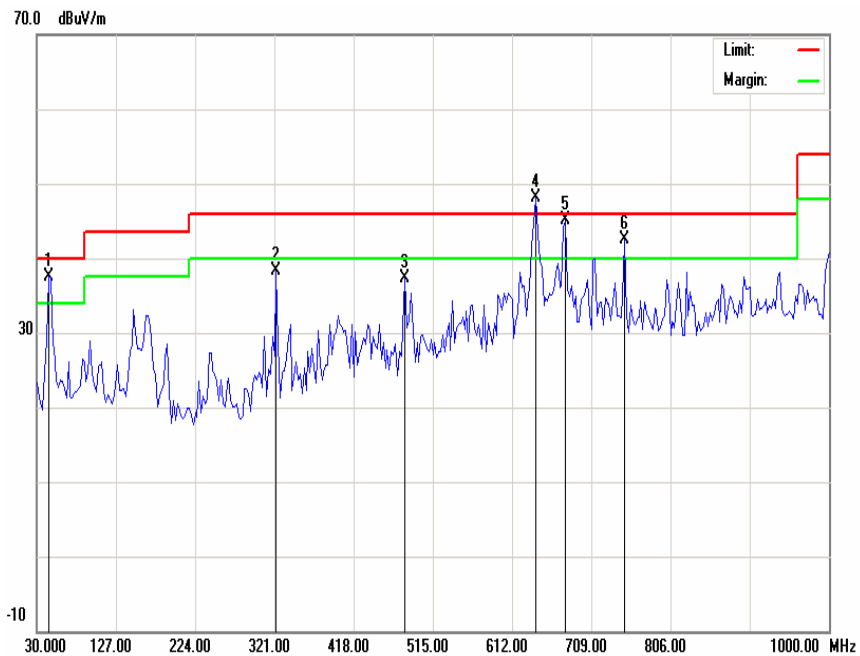
<p align="center">Model VT6510 For HDMI Mode 1280*1024@85Hz Enclosure's cover removed</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	318.57	15.90	47.24	46.00	1.24	293	189
2	405.88	17.85	41.73	46.00	-4.27	345	200
3	645.95	21.68	47.71	46.00	1.71	103	145
4	699.30	22.69	44.26	46.00	-1.74	27	100
5	789.02	23.95	44.47	46.00	-1.53	193	168
6	946.65	25.70	45.63	46.00	-0.37	145	234
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	44.55	11.72	39.34	40	-0.66	285	235
2	323.42	16.01	41.38	46	-4.62	180	100
3	403.45	17.78	44.03	46	-1.97	165	105
4	638.67	21.54	46.24	46	0.24	65	109
5	704.15	22.75	46.11	46	0.11	210	111
6	946.65	25.70	43.32	46	-2.68	174	102
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1995.8	29.27	27.77	54.00	-26.23	51.07	74.00	-22.93
2	2498.5	31.94	37.54	54.00	-16.46	56.44	74.00	-17.56
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1489.6	26.08	23.28	54.00	-30.72	48.58	74.00	-25.42
2	2486.5	31.88	40.18	54.00	-13.82	57.78	74.00	-16.22
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

For VT6510:
For HDMI Mode 2048*1536@75Hz
Enclosure's cover removed



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)



Field strength Emission Plot (Peak, Max Hold Mode Vertical)

Model VT6510
For HDMI Mode 2048*1536@75Hz
Enclosure's cover removed

Horizontal

Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	44.55	11.72	39.74	40.00	-0.26	109	105
2	323.43	16.01	39.81	46.00	-6.19	318	129
3	638.67	21.54	46.41	46.00	0.41	265	120
4	677.48	22.27	43.55	46.00	-2.45	102	110
5	704.15	22.75	45.44	46.00	-0.56	204	193
6	750.23	23.40	43.41	46.00	-2.59	123	100

Vertical

Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	44.55	11.72	37.56	40.00	-2.44	232	104
2	323.43	16.01	38.21	46.00	-7.79	120	110
3	481.05	19.64	37.33	46.00	-8.67	123	128
4	641.15	21.58	48.14	46.00	2.14	128	110
5	677.48	22.27	45.15	46.00	-0.85	176	100
6	750.23	23.40	42.49	46.00	-3.51	183	100

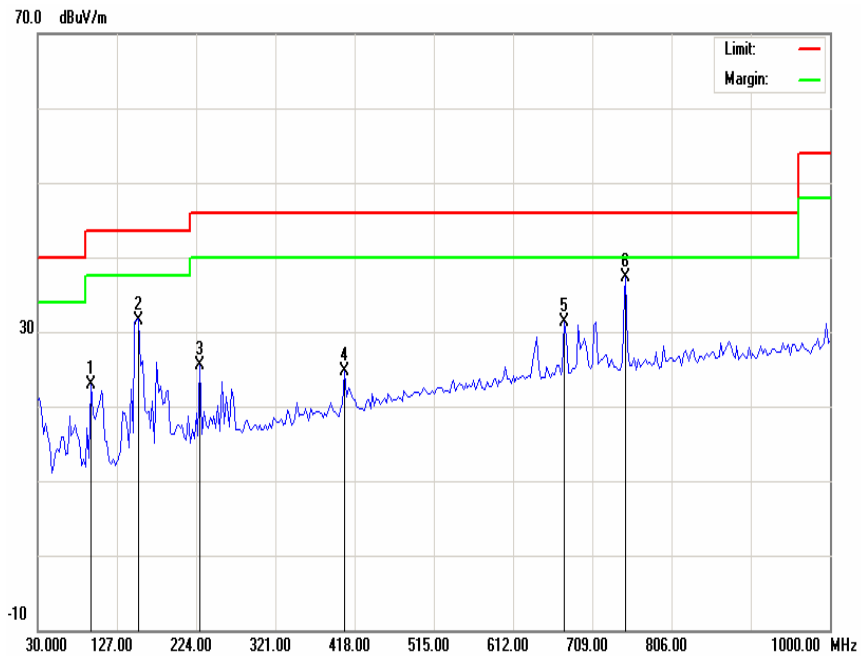
Set-up/Configuration: ANSI C63.4-2003

Comments: None

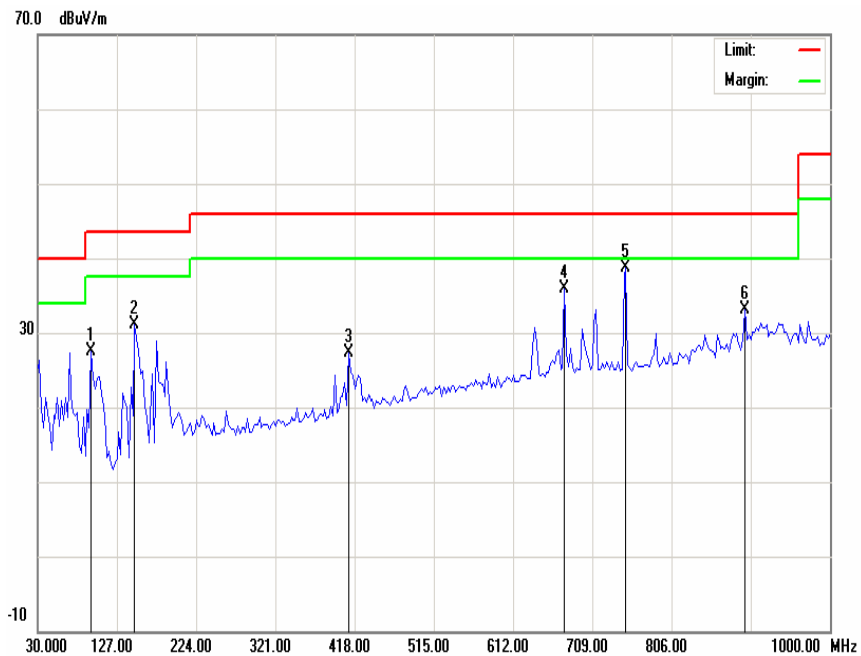
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1198.5	24.25	22.75	54.00	-31.25	45.75	74.00	-28.25
2	2498.6	31.94	37.24	54.00	-16.76	56.44	74.00	-17.56
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2110.5	29.89	28.39	54.00	-25.61	51.39	74.00	-22.61
2	2498.5	31.94	30.44	54.00	-23.56	55.44	74.00	-18.56
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

For VT6510:
For VGA Mode 800*600@60Hz
Enclosure's cover on



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

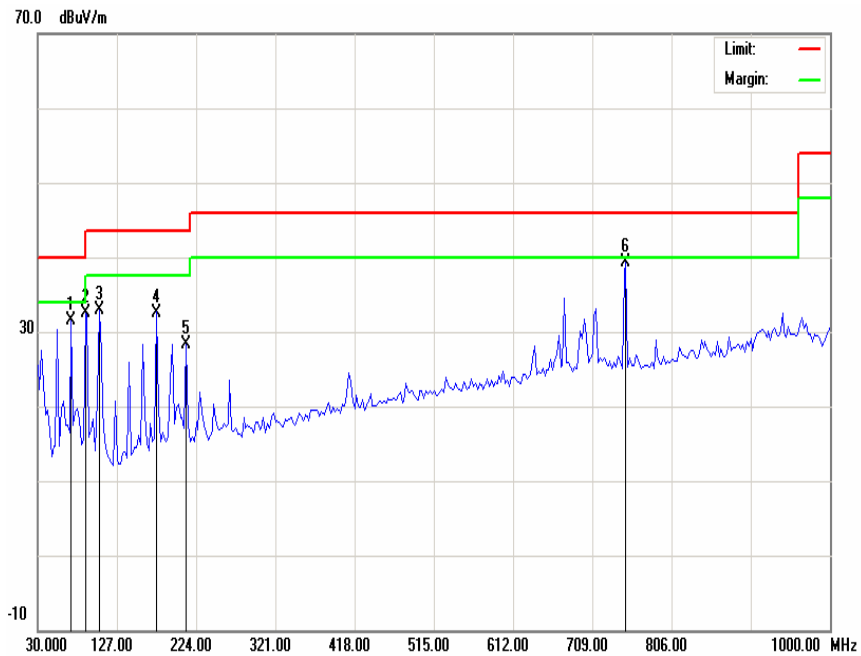


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

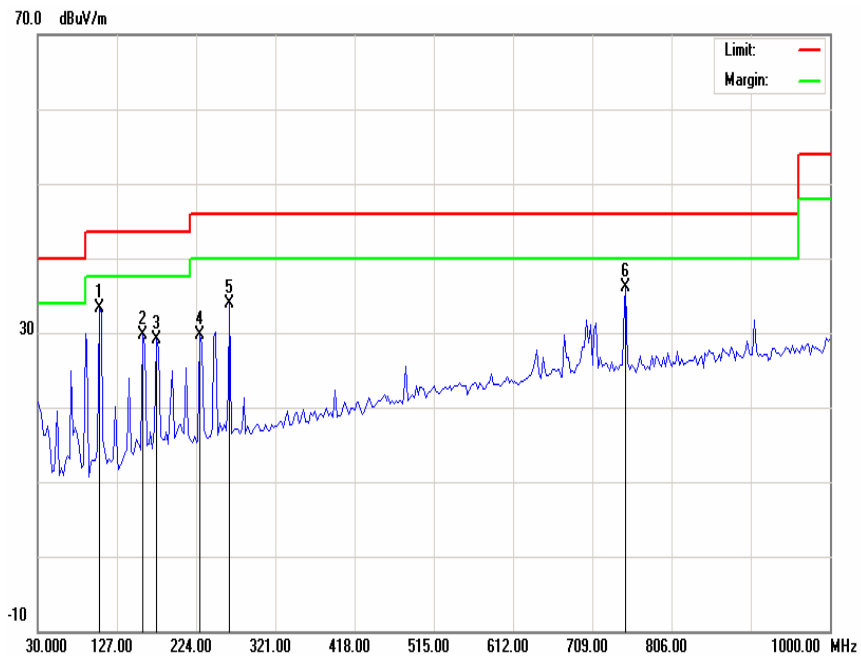
<p align="center">Model VT6510 For VGA Mode 800*600@60Hz Enclosure's cover on</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	95.48	9.28	22.99	43.50	-20.51	124	184
2	153.68	12.06	31.6	43.50	-11.90	129	147
3	228.85	14.18	25.57	46.00	-20.43	283	150
4	405.88	17.85	24.69	46.00	-21.31	47	157
5	675.05	22.23	31.3	46.00	-14.70	319	100
6	750.22	23.4	37.39	46.00	-8.61	300	124
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	95.48	9.28	27.46	43.50	-16.04	282	132
2	148.83	11.91	31.18	43.50	-12.32	34	128
3	410.72	17.96	27.32	46.00	-18.68	192	130
4	675.05	22.23	35.95	46.00	-10.05	146	123
5	750.23	23.4	38.77	46.00	-7.23	83	120
6	895.73	25.06	33.05	46.00	-12.95	25	118
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1690.3	27.48	27.93	54.00	-26.07	50.33	74.00	-23.67
2	2447.7	31.67	33.84	54.00	-20.16	56.01	74.00	-17.99
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2495.3	32.01	32.91	54.00	-21.09	54.37	74.00	-19.63
2	3175.9	34.15	35.00	54.00	-19.00	56.19	74.00	-17.81
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For VGA Mode 1280*1024@85Hz
Enclosure's cover on**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

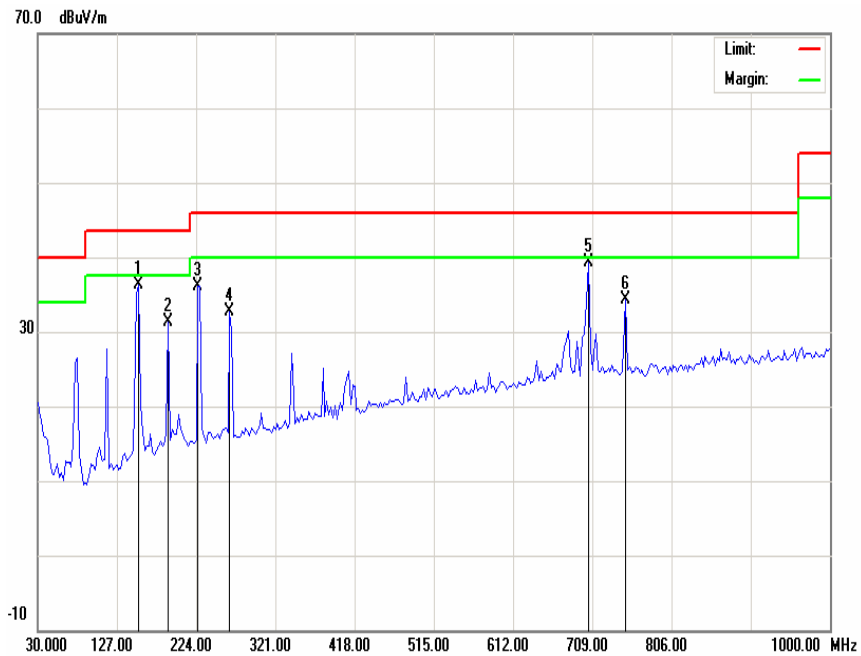


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

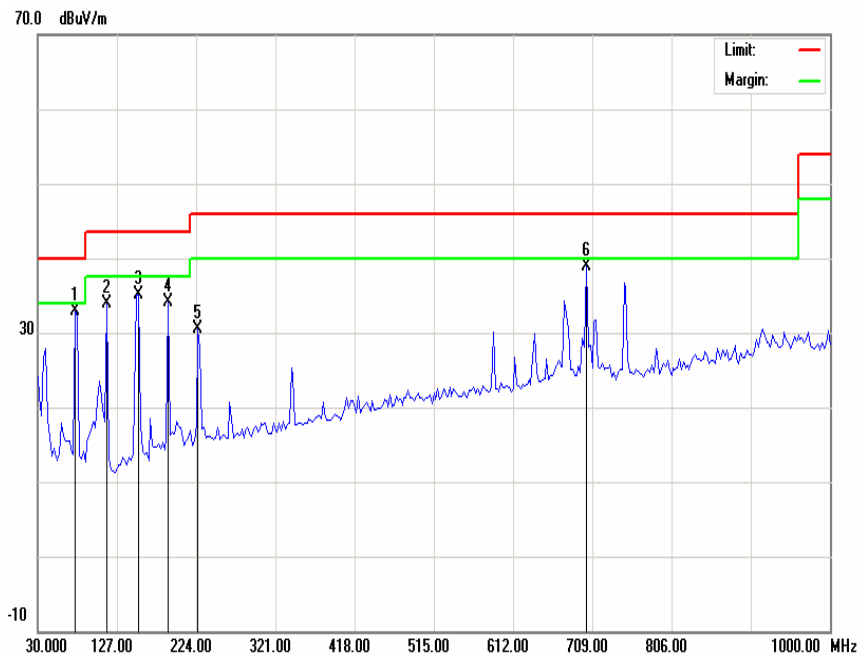
<p align="center">Model VT6510 For VGA Mode 1280*1024@85Hz Enclosure's cover removed</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	71.23	9.34	31.54	40.00	-8.46	184	120
2	88.23	8.49	32.43	43.50	-11.07	263	119
3	105.17	10.20	32.91	43.50	-10.59	122	204
4	175.50	12.69	32.6	43.50	-10.90	137	200
5	211.88	13.84	28.28	43.50	-15.22	192	183
6	750.23	23.40	39.27	46.00	-6.73	163	145
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	105.17	10.20	33.3	43.50	-10.20	203	120
2	158.53	12.20	29.67	43.50	-13.83	256	143
3	175.52	12.69	29.12	43.50	-14.38	339	160
4	228.85	14.18	29.66	46.00	-16.34	28	210
5	265.23	14.87	33.92	46.00	-12.08	73	115
6	750.22	23.40	36.07	46.00	-9.93	189	100
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2438.6	31.62	29.73	54.00	-24.27	52.18	74.00	-21.82
2	2454.9	31.72	31.19	54.00	-22.81	53.93	74.00	-20.07
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1703.9	27.55	31.12	54.00	-22.88	55.03	74.00	-18.97
2	2914.4	32.01	33.28	54.00	-20.72	55.58	74.00	-18.42
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For VGA Mode 2048*1536@75Hz
Enclosure's cover on**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

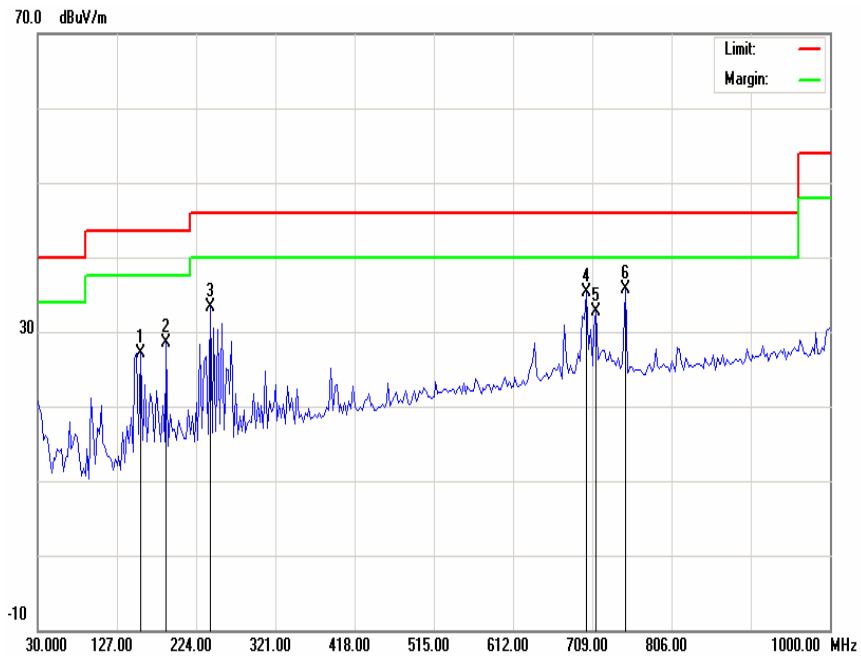


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

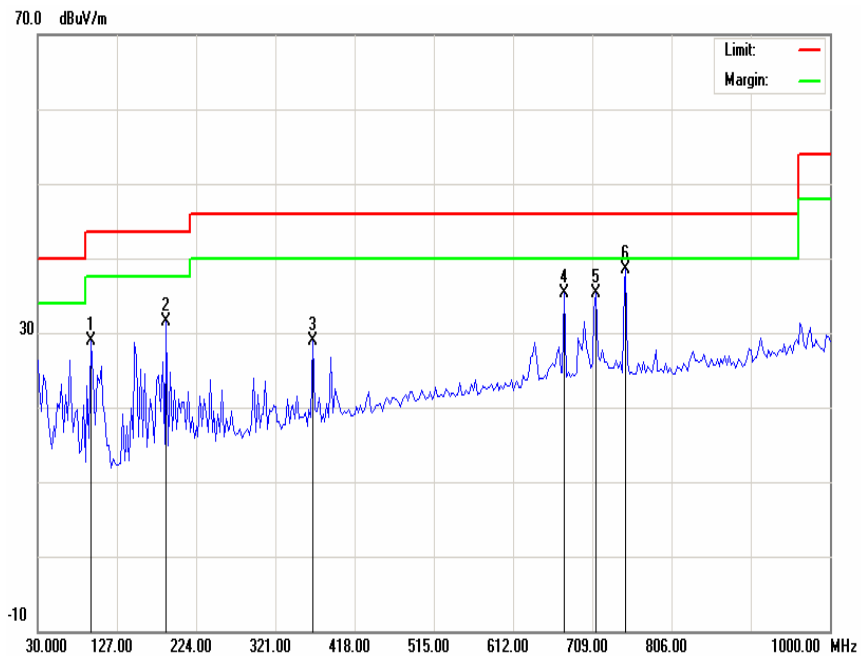
<p align="center">Model VT6510 For VGA Mode 2048*1536@75Hz Enclosure's cover on</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	153.68	12.06	36.35	43.50	-7.15	304	104
2	190.05	13.21	31.22	43.50	-12.28	245	153
3	226.43	14.13	36.14	46.00	-9.86	152	173
4	265.22	14.87	32.65	46.00	-13.35	139	128
5	704.15	22.75	39.23	46.00	-6.77	203	193
6	750.22	23.40	34.26	46.00	-11.74	283	201
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	76.07	9.10	32.86	40.00	-7.14	84	190
2	114.88	10.58	33.98	43.50	-9.52	295	147
3	153.68	12.06	35.11	43.50	-8.39	204	138
4	190.05	13.21	34.03	43.50	-9.47	211	129
5	226.43	14.13	30.46	46.00	-15.54	347	150
6	701.73	22.72	38.87	46.00	-7.13	17	123
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2298.8	30.75	32.01	54.00	-21.99	53.10	74.00	-20.90
2	2438.2	31.62	32.98	54.00	-21.02	53.78	74.00	-20.22
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2488.9	31.89	33.20	54.00	-20.80	56.03	74.00	-17.97
2	2914.4	32.01	33.39	54.00	-20.61	56.98	74.00	-17.02
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For DVI Mode 800*600@60Hz
Enclosure's cover on**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

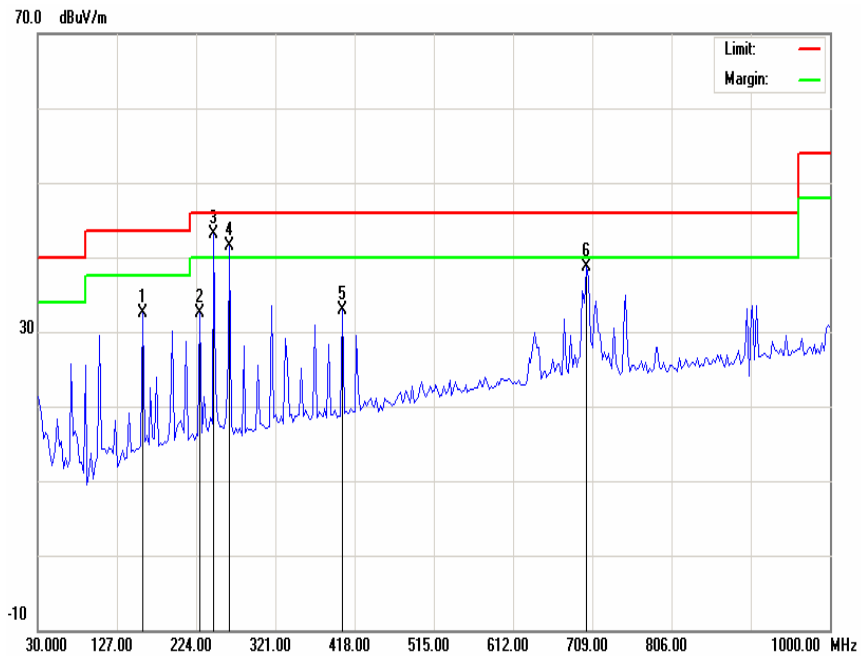


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

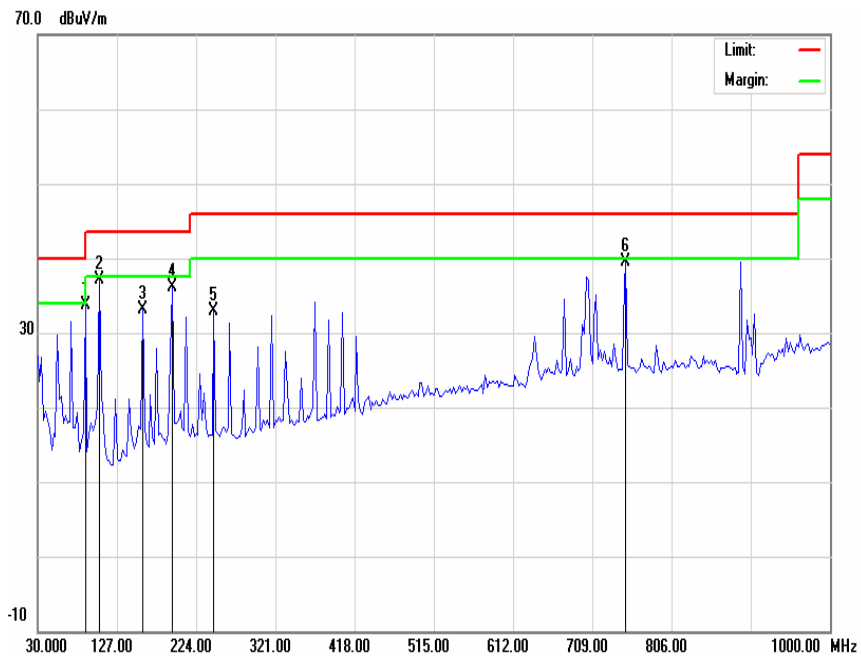
<p align="center">Model VT6510 For DVI Mode 800*600@60Hz Enclosure's cover on</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	156.10	12.13	27.20	43.50	-16.30	299	102
2	187.63	13.12	28.45	43.50	-15.05	232	140
3	240.98	14.42	33.32	46.00	-12.68	47	239
4	701.73	22.72	35.36	46.00	-10.64	123	100
5	713.85	22.89	32.61	46.00	-13.39	149	175
6	750.23	23.40	35.62	46.00	-10.38	329	100
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	95.47	9.28	29.00	43.50	-14.50	223	120
2	187.62	13.12	31.58	43.50	-11.92	74	100
3	367.07	16.98	28.91	46.00	-17.09	189	104
4	675.05	22.23	35.37	46.00	-10.63	193	104
5	713.85	22.89	35.34	46.00	-10.66	243	128
6	750.22	23.40	38.44	46.00	-7.56	270	174
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2367.9	31.12	33.92	54.00	-20.08	53.72	74.00	-20.28
2	2407.8	31.46	32.10	54.00	-21.90	54.13	74.00	-19.87
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2441.2	31.64	32.19	54.00	-21.81	53.94	74.00	-20.06
2	2490.2	31.92	34.38	54.00	-19.62	54.47	74.00	-19.53
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For DVI Mode 1280*1024@85Hz
Enclosure's cover one**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

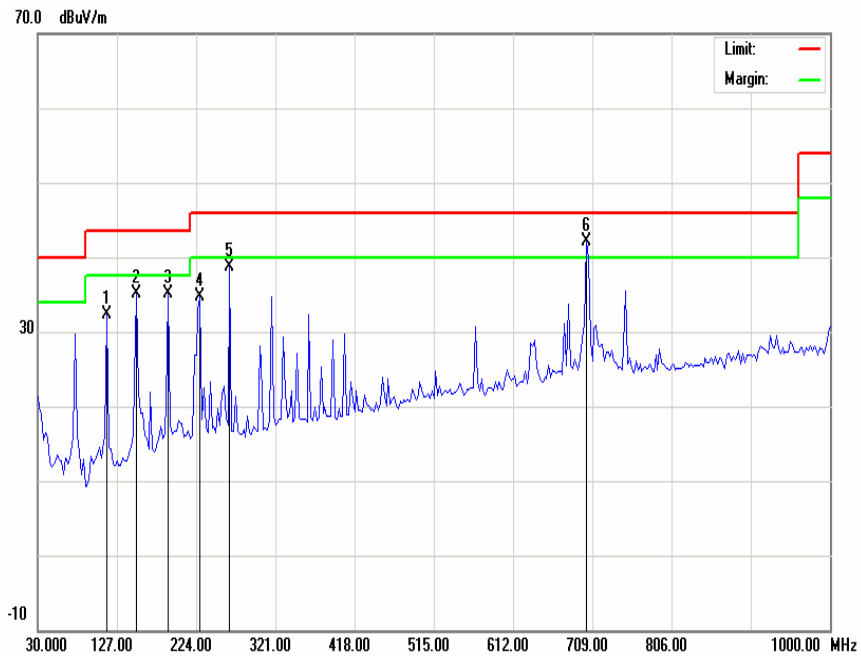


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

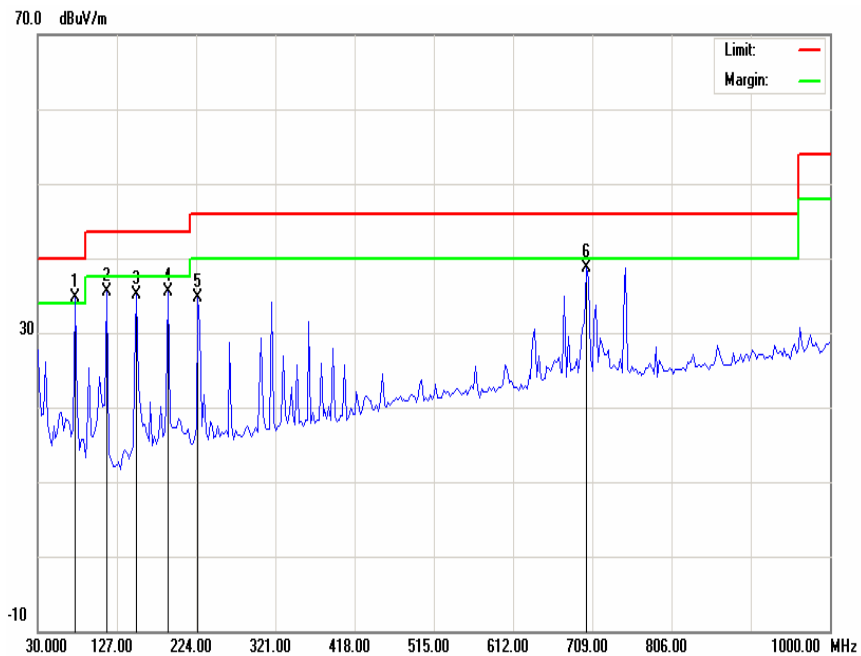
<p align="center">Model VT6510 For DVI Mode 1280*1024@85Hz Enclosure's cover on</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	158.53	12.20	32.47	43.50	-11.03	110	103
2	228.85	14.18	32.48	46.00	-13.52	283	174
3	245.83	14.51	43.04	46.00	-2.96	201	140
4	265.22	14.87	41.46	46.00	-4.54	340	154
5	403.45	17.78	32.96	46.00	-13.04	65	139
6	701.73	22.72	38.62	46.00	-7.38	182	194
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	88.25	8.49	33.68	43.50	-9.82	102	104
2	105.18	10.20	37.15	43.50	-6.35	129	118
3	158.52	12.20	33.11	43.50	-10.39	302	140
4	194.90	13.40	36.05	43.50	-7.45	75	132
5	245.83	14.51	32.9	46.00	-13.10	283	128
6	750.22	23.40	39.42	46.00	-6.58	10	104
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2378.2	31.16	31.98	54.00	-22.02	54.12	74.00	-19.88
2	2488.8	31.89	32.20	54.00	-21.80	53.97	74.00	-20.03
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1679.3	27.37	33.84	54.00	-20.16	55.46	74.00	-18.54
2	2438.3	31.62	32.98	54.00	-21.02	55.02	74.00	-18.98
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For DVI Mode 2048*1536@75Hz
Enclosure's cover on**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

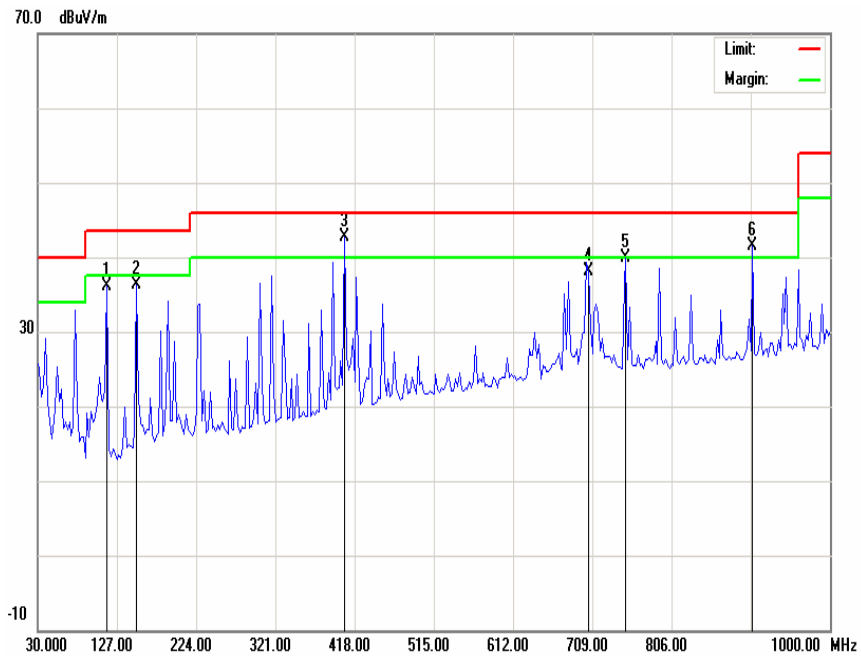


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

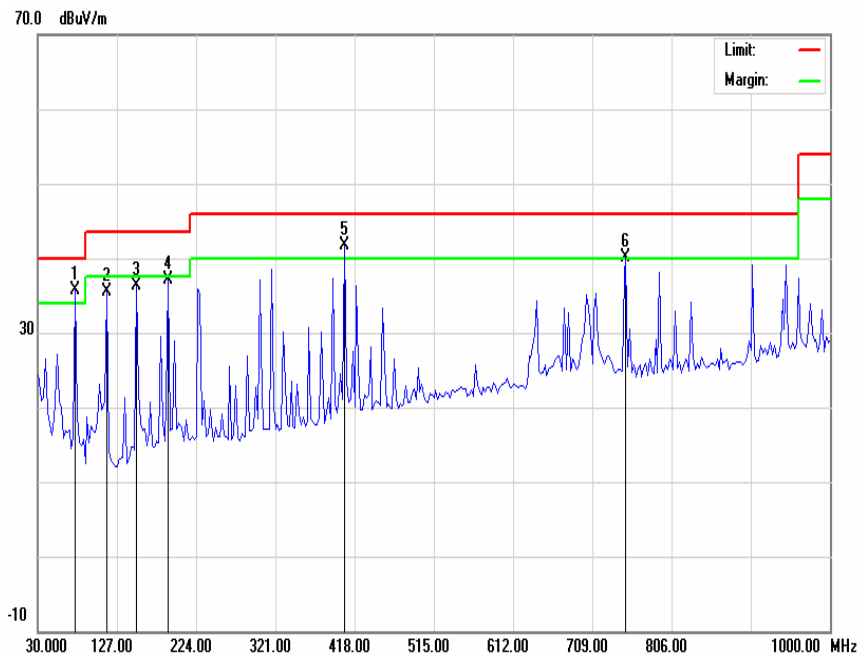
<p align="center">Model VT6510</p> <p align="center">For DVI Mode 2048*1536@75Hz</p> <p align="center">Enclosure's cover on</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	114.88	10.58	32.29	43.50	-11.21	190	100
2	151.25	11.99	35.04	43.50	-8.46	243	123
3	190.05	13.21	35.18	43.50	-8.32	284	129
4	228.85	14.18	34.65	46.00	-11.35	244	104
5	265.22	14.87	38.72	46.00	-7.28	173	117
6	701.73	22.72	42.19	46.00	-3.81	182	189
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	76.07	9.10	34.64	40.00	-5.36	283	102
2	114.87	10.58	35.44	43.50	-8.06	220	115
3	151.25	11.99	35.05	43.50	-8.45	158	120
4	190.05	13.21	35.59	43.50	-7.91	49	118
5	226.42	14.13	34.78	46.00	-11.22	66	104
6	701.72	22.72	38.62	46.00	-7.38	105	126
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2378.2	31.16	32.00	54.00	-22.00	53.94	74.00	-20.06
2	2446.3	31.70	31.85	54.00	-22.15	54.10	74.00	-19.90
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2293.4	30.70	35.10	54.00	-18.90	58.56	74.00	-15.44
2	2445.9	31.68	30.64	54.00	-23.36	54.33	74.00	-19.67
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For HDMI Mode 800*600@60Hz
Enclosure's cover on**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

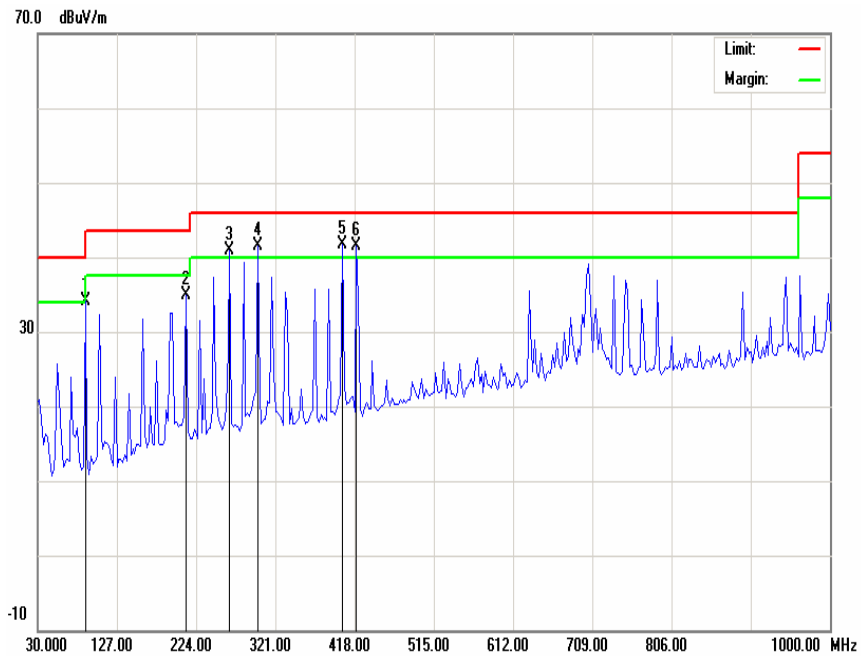


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

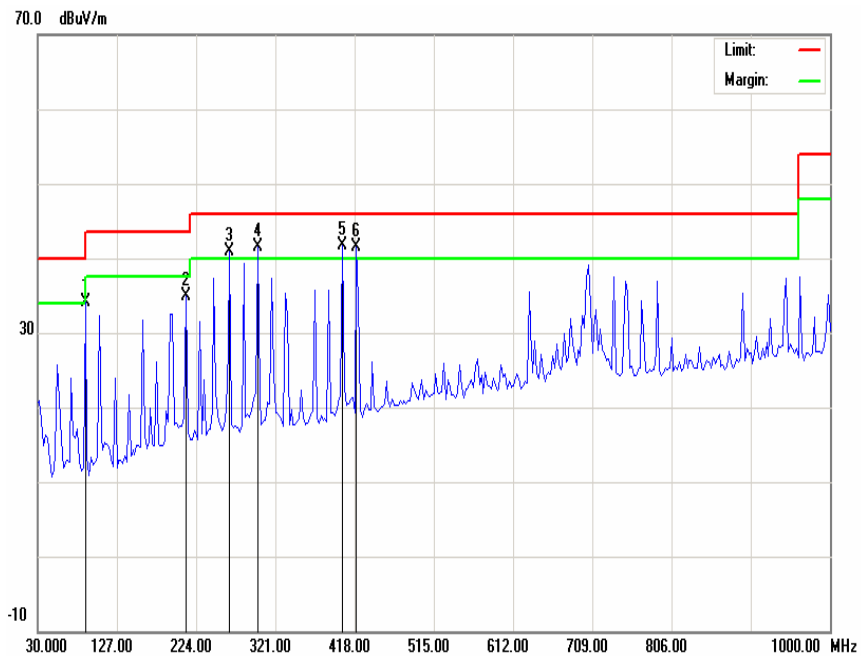
<p align="center">Model VT6510 For HDMI Mode 800*600@60Hz Enclosure's cover on</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	114.88	10.58	36.14	43.50	-7.36	302	103
2	151.25	11.99	36.37	43.50	-7.13	253	175
3	405.87	17.85	42.68	46.00	-3.32	182	130
4	704.15	22.75	38.09	46.00	-7.91	104	146
5	750.22	23.40	39.89	46.00	-6.11	127	129
6	905.42	25.17	41.47	46.00	-4.53	329	118
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	76.07	9.10	35.78	40.00	-4.22	293	110
2	114.88	10.58	35.56	43.50	-7.94	177	140
3	151.25	11.99	36.37	43.50	-7.13	138	102
4	190.05	13.21	37.17	43.50	-6.33	29	105
5	405.87	17.85	41.66	46.00	-4.34	0	117
6	750.22	23.40	40.17	46.00	-5.83	183	130
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	1768.5	28.34	31.02	54.00	-22.98	52.10	74.00	-21.90
2	2422.9	31.55	34.76	54.00	-19.24	55.89	74.00	-18.11
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2338.3	31.03	32.03	54.00	-21.97	53.76	74.00	-20.24
2	2445.9	31.68	31.40	54.00	-22.60	52.34	74.00	-21.66
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

**For VT6510:
For HDMI Mode 1280*1024@85Hz
Enclosure's cover one**



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)

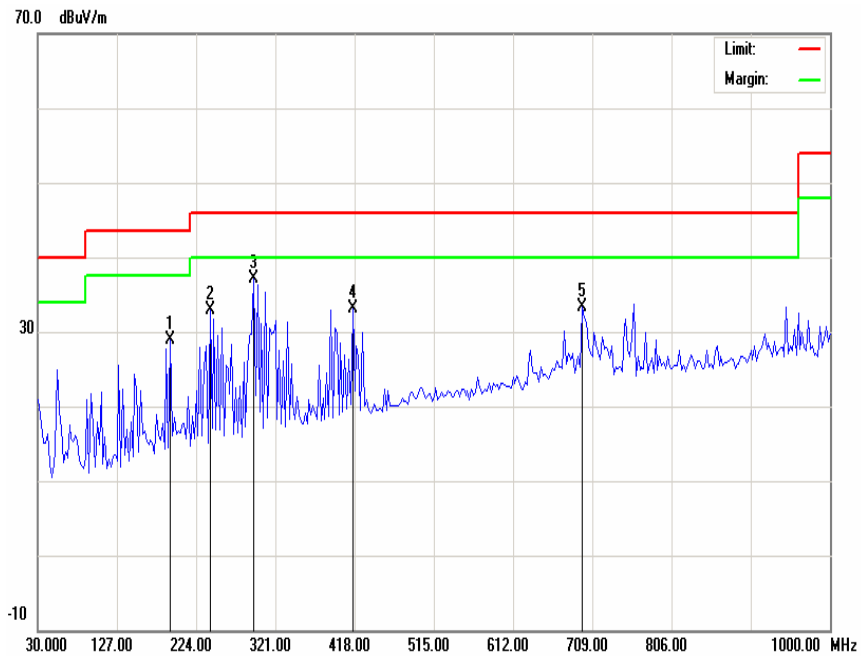


Field strength Emission Plot (Peak, Max Hold Mode Vertical)

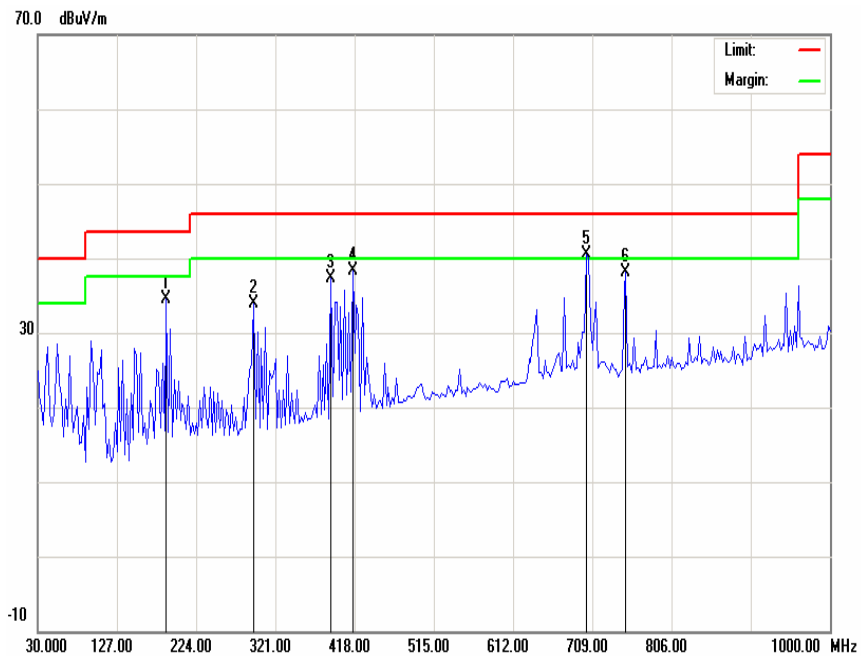
<p align="center">Model VT6510 For HDMI Mode 1280*1024@85Hz Enclosure's cover removed</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	88.24	8.49	34.13	43.50	-9.37	184	100
2	211.87	13.84	34.94	43.50	-8.56	231	120
3	265.23	14.87	40.95	46.00	-5.05	201	184
4	299.17	15.49	41.44	46.00	-4.56	102	137
5	403.45	17.78	41.71	46.00	-4.29	304	129
6	420.43	18.19	41.59	46.00	-4.41	102	192
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	105.17	10.20	34.37	43.50	-9.13	239	103
2	194.92	13.40	34.07	43.50	-9.43	218	119
3	403.45	17.78	40.60	46.00	-5.40	123	129
4	704.15	22.75	40.24	46.00	-5.76	127	135
5	789.02	23.95	40.55	46.00	-5.45	93	102
6	946.65	25.70	42.57	46.00	-3.43	27	100
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2342.3	31.06	32.19	54.00	-21.81	53.13	74.00	-20.87
2	2452.1	31.71	32.34	54.00	-21.66	53.45	74.00	-20.55
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2418.9	31.53	31.94	54.00	-22.06	52.84	74.00	-21.16
2	2498.4	31.95	30.56	54.00	-23.44	50.56	74.00	-23.44
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

For VT6510:
For HDMI Mode 2048*1536@75Hz
Enclosure's cover on



Field strength Emission Plot (Peak, Max Hold Mode Horizontal)



Field strength Emission Plot (Peak, Max Hold Mode Vertical)

<p align="center">Model VT6510</p> <p align="center">For HDMI Mode 2048*1536@75Hz</p> <p align="center">Enclosure's cover on</p>							
Horizontal							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	192.47	13.30	28.81	43.50	-14.69	101	103
2	240.95	14.42	32.91	46.00	-13.09	203	119
3	294.32	15.40	37.05	46.00	-8.95	153	178
4	415.57	18.08	33.19	46.00	-12.81	120	150
5	696.87	22.64	33.40	46.00	-12.60	291	102
6	743.33	23.25	36.83	46.00	-9.17	310	119
Vertical							
Signal	Frequency (MHz)	Factor (dB)	Corrected QP Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Angle of Turner (degree)	Height of Tower (cm)
1	187.62	13.12	34.43	43.50	-9.07	330	114
2	294.32	15.40	33.93	46.00	-12.07	201	102
3	388.93	17.46	37.34	46.00	-8.66	172	183
4	415.57	18.08	38.31	46.00	-7.69	193	173
5	701.73	22.72	40.54	46.00	-5.46	2	173
6	750.22	23.40	38.07	46.00	-7.93	63	100
Set-up/Configuration: ANSI C63.4-2003							
Comments: None							
Note: All readings are quasi-peak unless stated otherwise, using a QPA bandwidth of 120kHz, with a 30 ms sweep time. A video filter was not used.							

Horizontal								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2407.0	31.46	31.77	54.00	-22.23	52.10	74.00	-21.90
2	2497.1	31.94	32.93	54.00	-21.07	53.02	74.00	-20.98
Vertical								
Signal	Frequency (MHz)	Factor (dB)	Corrected AV Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)	Corrected PK Level dB(uV/m)	3 Meter Limits dB(uV/m)	Margin (dB)
1	2447.3	31.68	32.19	54.00	-21.81	52.95	74.00	-21.05
2	2498.4	31.95	31.96	54.00	-22.04	52.44	74.00	-21.56
Note: All readings are average and peak unless stated otherwise, using a bandwidth of 1000kHz, with a 30 ms sweep time. A video filter was not used.								

Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due Date
EMI Receiver	HP	85462A	3650A00363	11/29/07	11/28/08
Broadband Antenna	Sunol	JB5	A110503	11/29/07	11/28/08
Note: All testing were performed using internationally recognized standards. All test instruments were calibrated.					

SIGNED BY: Cloud Feng
ENGINEER

REVIEWED BY: Hangzhou
SENIOR ENGINEER

EUT Model: VT6501
For VGA Mode:



Radiated Emission Test Set-Up – Front View



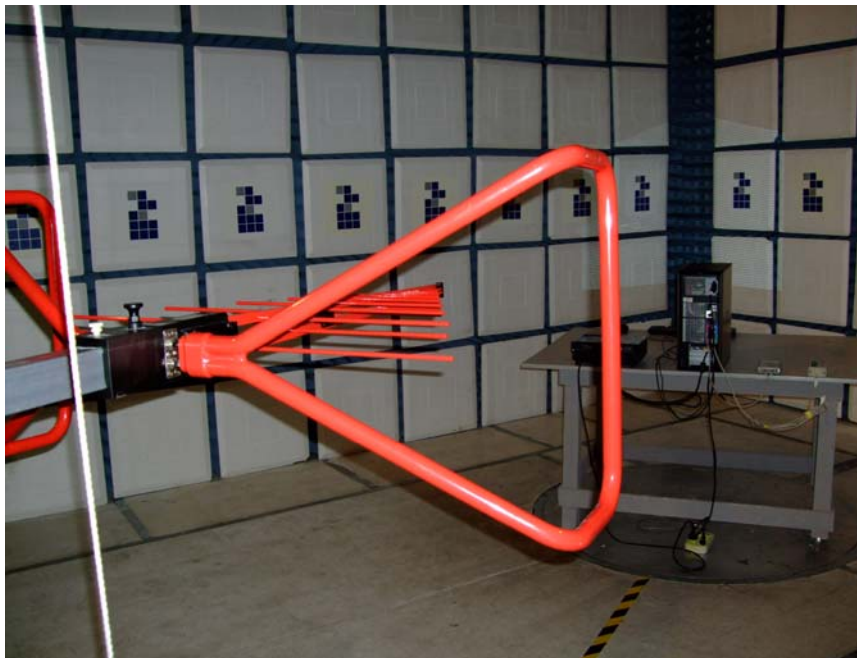
Radiated Emission Test Set-Up – Back View

EUT Model: VT6501

For DVI Mode:



Radiated Emission Test Set-Up - Front View



Radiated Emission Test Set-Up - Back View

EUT Model: VT6501

For HDMI Mode:



Radiated Emission Test Set-Up – Front View



Radiated Emission Test Set-Up – Back View