



UL Korea, Ltd

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Project: 08CA45713
File: TC8326
Report: 08CA45713-FCC
Date: September 24, 2008
Model: 240-030-970

FCC Test Report

FCC Certification Part 15 Subpart B Class B

For

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

UL Korea Ltd.

**33rd Fl. Gangnam finance Center, 737 Yeoksam-Dong, Kangnam-Gu, Seoul, 135-984, Korea
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quality service for over 100 years**

Project Number: 08CA45713
Model Number: 240-030-970

File Number MC15562

Test Report No: 08CA45713-FCC
Date of Issue: September 24, 2008

TEST REPORT DETAILS

Test report No: 08CA45713-FCC
Tests Performed By: UL Korea Ltd.
33rd FL. Gangnam Finance Center, 737 Yeoksam-dong,
Kangnam-ku, Seoul, 135-984, Korea

Test site: EMC Compliance Ltd.
82-1 Jeil-ri, Yangji-myun, Churingu, Yongin-city, Kyunggi-do 449-825,
Korea
Registration No: 647924
The test facility was deemed to have the environment and
capabilities necessary to perform the tests included in the test
package

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

Manufacturer: D&T Inc.
Daedeok Valley, 60-1, Jang Dong, Yuseong Gu, Daejeon,
305-343, Korea

Applicant Contact: Dae Sung Oh
Title: General Manager
Phone: 82-2-703-5197
E-mail: pilotdan@advancorp.com
Test Report Date: September 24, 2008

Product Type: 26" LCD Color Display
Trademark: ADVAN
Model Number: 240-030-970
FCC ID: QVXAMM260WTDSW
Product standards: FCC Part 15 Subpart B Class B

Sample Serial Number: None (Proto type)

Sample Receive Date: September 01, 2008

Testing Start Date: September 01, 2008

Date Testing Complete: September 22, 2008

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.

Project Number: 08CA45713
Model Number: 240-030-970

File Number MC15562

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TEST SUMMARY

Test Result

Requirement – Test	Reference standards	Verdict
AC Power line Conducted Emission Test	47CFR Part 15.107(a) / 47CFR Part 15.109(g)	Complied
Radiated Emission Test		Complied

The tests listed in the Summary of Testing section of this report have been performed and the results recorded by UL Korea, Ltd. in accordance with the procedures stated in each test requirement and specification. The applicant determined the list of tests performed were 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.

The equipment under test has

- ☒ Met the technical requirements
☐ Not met the technical requirements



Tested by
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Conformity Assessment Services - 3014ASEO
UL Korea Ltd.
September 24, 2008



Reviewed by
Kyung Yong, Kim, EMC Section Manager
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UL Korea Ltd.
September 24, 2008

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1. EQUIPMENT UNDER TEST (EUT)

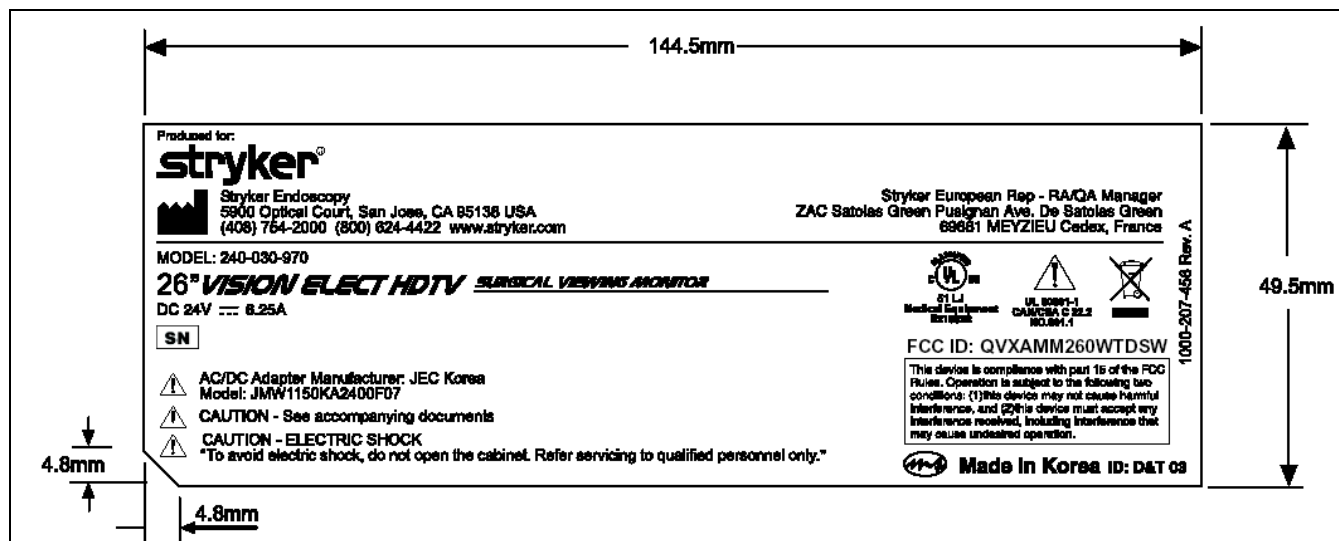
1.1 Report Revision history

Revision Date	Description	Remarks	Revision reviewed By
None	Original	-	-

1.2 Equipment Description

Specification	
Display	
LCD Display Panel	25.54 inches, (a-Si TFT Active matrix LCD)
Synchronization	2.5 - 5.0 Vpp separated sync
Pixel Pitch	0.2865(W) × 0.2865(H)
Response Time	<25ms Typ
View Angle	+/-89° (L/R) × +/-89° (U/D)
Display Colors	16 million colors
Native Resolution	1920 dots × 1200 dots
Input Signal	1 × DVI 1 × VGA 1 × HD/SD-SDI 1 × C-Video/SOG 1 × S-Video 1 × Component (Y/G, Pb/B, Pr/R, H/CS, VS) 1 × Wireless (optional)
Maximum Pixel Clock	170MHz
Electrical	
Power Adapter	AC 100-240V; DC 24V
Power Consumption	150W (max)
Dimensions	
Dimensions (W × H × D)	616.4 × 428.8 × 121.2mm
Weight	19.62 lbs
VESA Mounting Interface	VESA 100 × 100mm
Operating Conditions	
Operating Temperature	41 to 90°F (5 to 32.2°C)
Relative Humidity	10 to 60%
Atmospheric Pressure Range	500 to 1060 hPa
Electrical Input Rating	24V DC 6.25A

1.3 Equipment Marking Plate



1.4 Equipment Used During Test

Use*	Product Type	Manufacturer	Model	Comments
EUT	26" LCD Monitor	D&T Inc.	240-030-970	EUT
EUT	AC/DC Adapter	AULT KOREA Corp.	JMW1150KA2400F07	EUT
AE	PC	SAMSUNG	950C	-
AE	Headset	LABTEC	AXIS202	-
AE	Printer	HP	950C	-
AE	USB mouse	SAMSUNG	SMH-210UB	-
AE	Serial mouse	SAMSUNG	P801	-
AE	PS/2 Keyboard	HP	5180	-
AE	SDI Patten Generator	Gefen Inc.	CONVERTER	DVI to HD SDI Scaler
AE	AC/DC adapter	ASTRO	GT-4201D-05	Connected to SDI Patten Generator
AE	LCD Monitor	D&T	FS-L1901T	-
AE	LCD Monitor adapter	ANAM	AP06012-UV	Connected to LCD monitor

* Note: **EUT** - Equipment Under Test, **AE** - Auxiliary/Associated Equipment, **SIM** - Simulator (Not Subjected to Test)

1.5 EUT Input/Output Ports

Port #	Name	Type*	Cable Max. >3m	Cable Shielded	Comments
1	Mains	AC	1.8 m	Unshielded	Hospital-grade AC Power cord
2	DVI In	I/O	1.8 m	Shielded	24 pin DVI-D
3	VGA In	I/O	1.8 m	Shielded	15 pin D-Sub
4	SDI In, Out	I/O	1.8 m	Shielded	BNC
5	S-Video In	I/O	1.8 m	Shielded	S-Video
6	Component (Y/Pb/Pr) In	I/O	1.8m	Shielded	5 Port BNC
7	C-Video In	I/O	1.8m	Shielded	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

1.6 EUT Internal Operating Frequencies

Frequency (MHz)	Description	Frequency (MHz)	Description
192.375 MHz	Memory Clock	27.00 MHz	System Clock
158.625 MHz	Display Clock	28.322 MHz	System Clock
170.00 MHz	Maximum Pixel Clock	-	-

1.7 Power Interface

Mode #	Voltage (V)	Current (A)	Power (W)	Frequency (DC/AC-Hz)	Phases (#)	Comments
Rated	AC 100-240	3.0	-	50~60	Single	-
1	AC 120	-	-	60	Single	-

2. EUT Operation Modes for EMI

2.1 Modes of EMI Testing

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

Note

1. Testing has been performed under continuous displaying "H" Patten for configuration modes of 1,2
2. Testing have been performed under continuous displaying "Color Bar" Patten for configuration modes of 3,4,5 and 6.
4. All the configuration described above has been investigated during the preliminary testing and selected worst-case condition for final measurements.
5. Standby Mode (Idle) Mode was tested

2.2 Modes of Video resolution

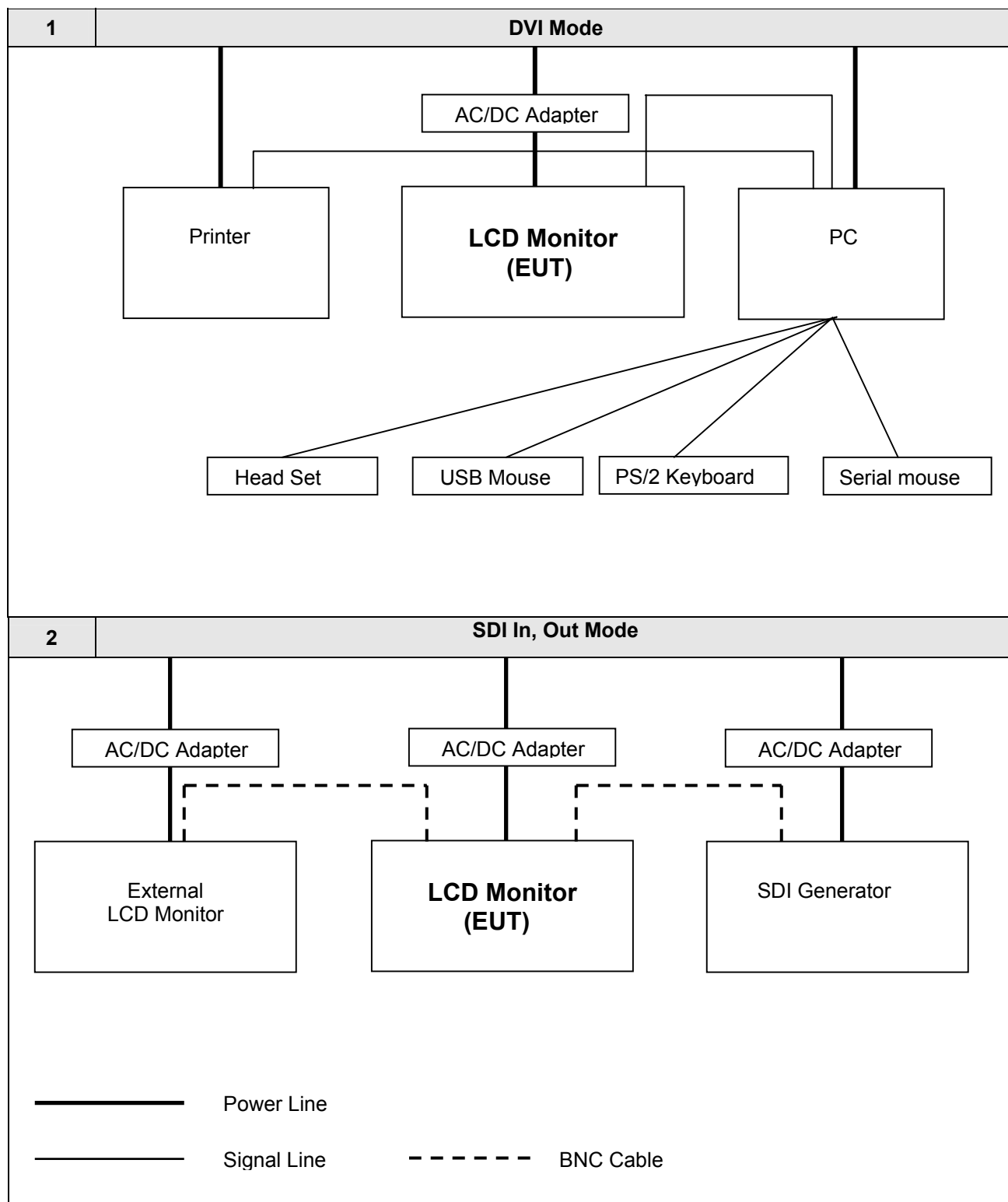
Mode #	Resolution	Comments
1	VGA Mode	640 * 480 @ 60Hz
2		1920 * 1200 @ 60Hz
3		1920 1200 @ 60Hz
4	DVI Mode	640 * 480 @ 60Hz
5		1024 * 768 @ 60Hz
6		1920 1200 @ 60Hz
7	SDI Mode	SMPTE 296M

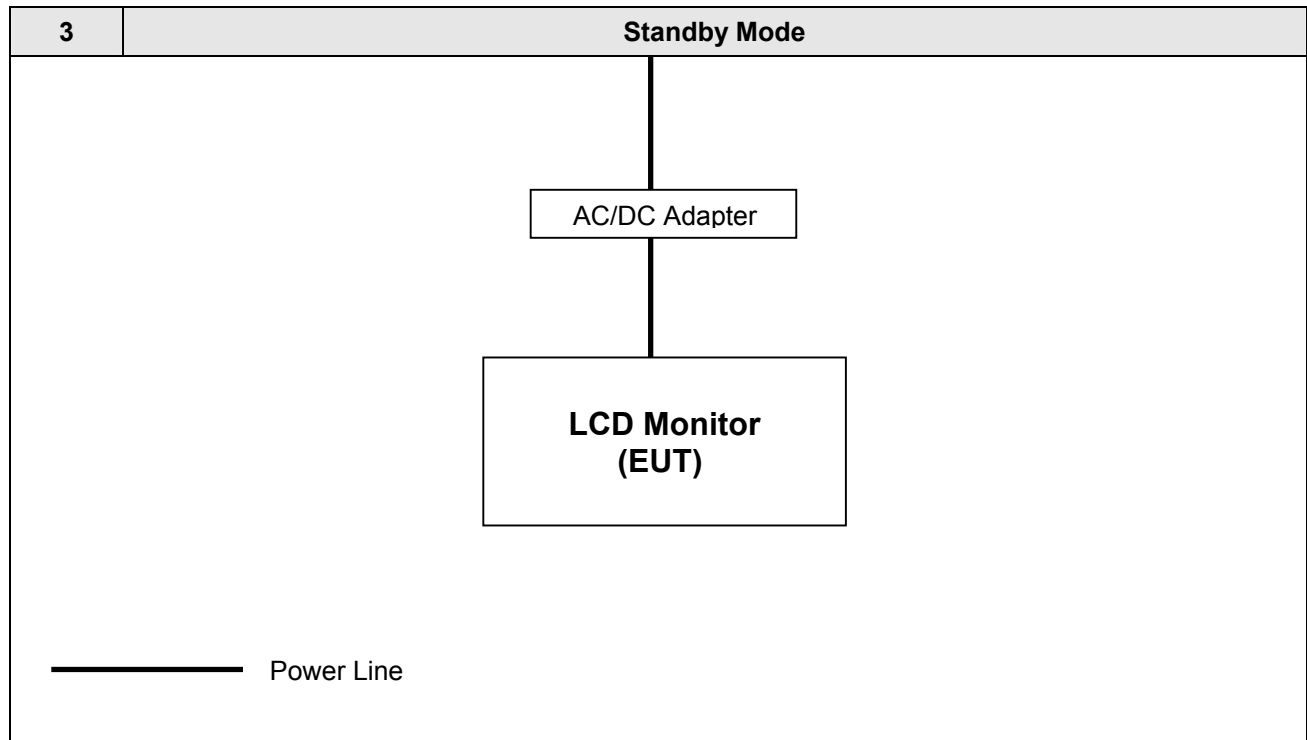
Note: 1. Video resolution where it refers from above is representative worst case.

2. EUT have been performed under continuous displaying "H" Patten for configuration modes of 1 to 6

3. EUT has been performed under continuous displaying "Color Bar" Patten for configuration modes of 7.

2.3 EUT Configurations





4. AC Power line Conducted Emission Test

TEST: Limits of mains terminal disturbance voltage					
Method	Measurements were made on a ground plane that extends 1-meter minimum beyond all sides of the system under test. All power was connected to the system through Artificial Mains Network (AMN). Conducted voltage measurements on mains lines were made at the output of the AMN.				
Parameters recorded during the test		Laboratory Ambient Temperature		22 °C	
		Relative Humidity		40 %	
-		Frequency range on each side of line		Measurement Point	
Fully configured sample scanned over the following frequency range		150 kHz to 30 MHz		Mains	
Limits – Class B					
Frequency (MHz)	Limit (dBµV)				
	Quasi-Peak	Results	Average	Results	
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	
Conducted Emissions EUT Configuration Settings					
Power Interface Mode # (See Section 1.7)		EUT Operation Mode # (See 2.1)		EUT Configurations Mode # (See Section 2.3)	
1		1, 3, 7		1, 2, 3	
Test Equipment Used					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Test Receiver	R&S	ESHS10	843276/003	08.05.29	09.05.29
LISN	R&S	ESH3-Z5	100267	08.08.07	09.08.07
LISN	PMM	L2-16A	0000J10705	08.08.07	09.08.07

Figure 1. Conducted Emission Test Setup, DVI Mode

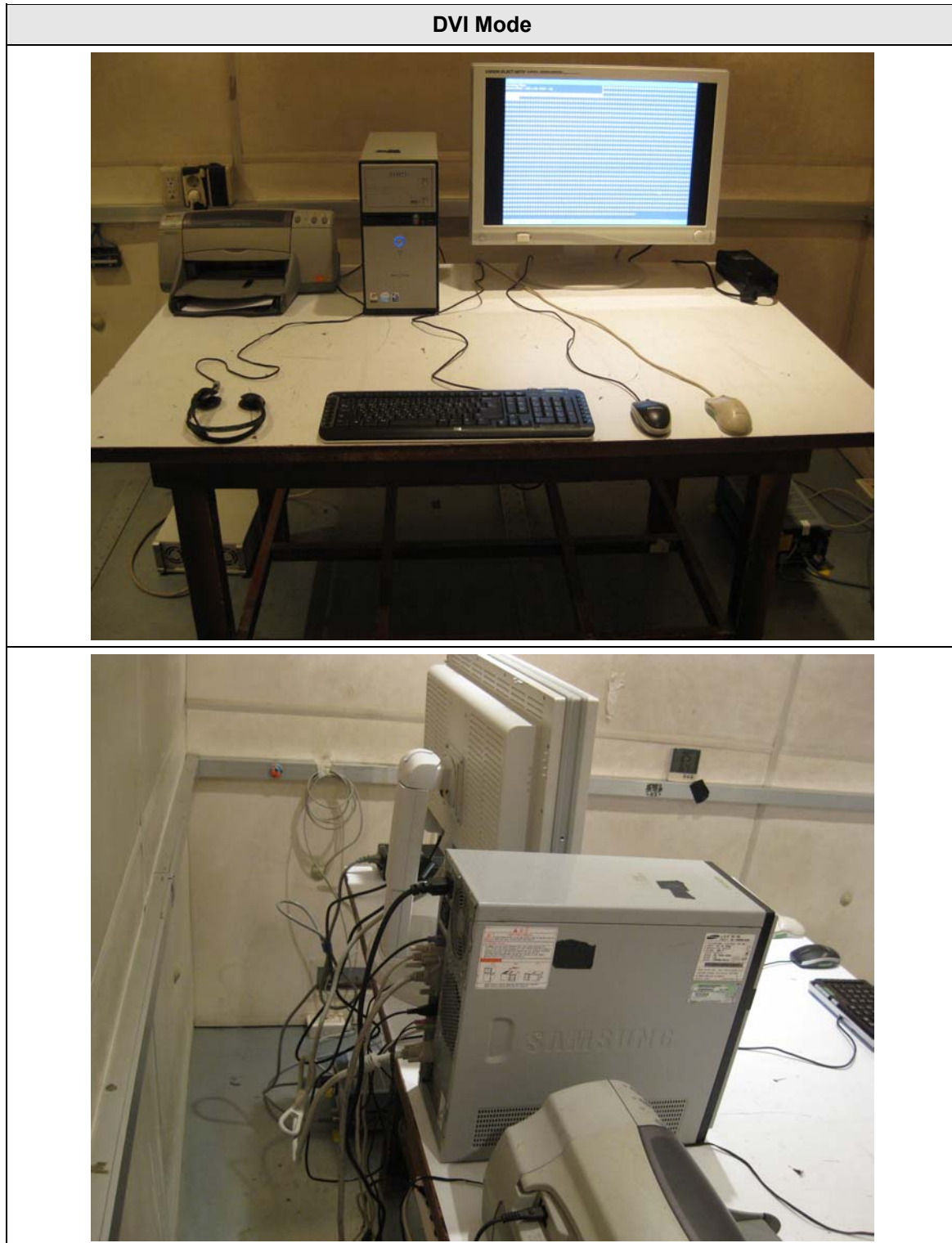


Figure 2. Conducted Emission Test Setup, SDI Mode

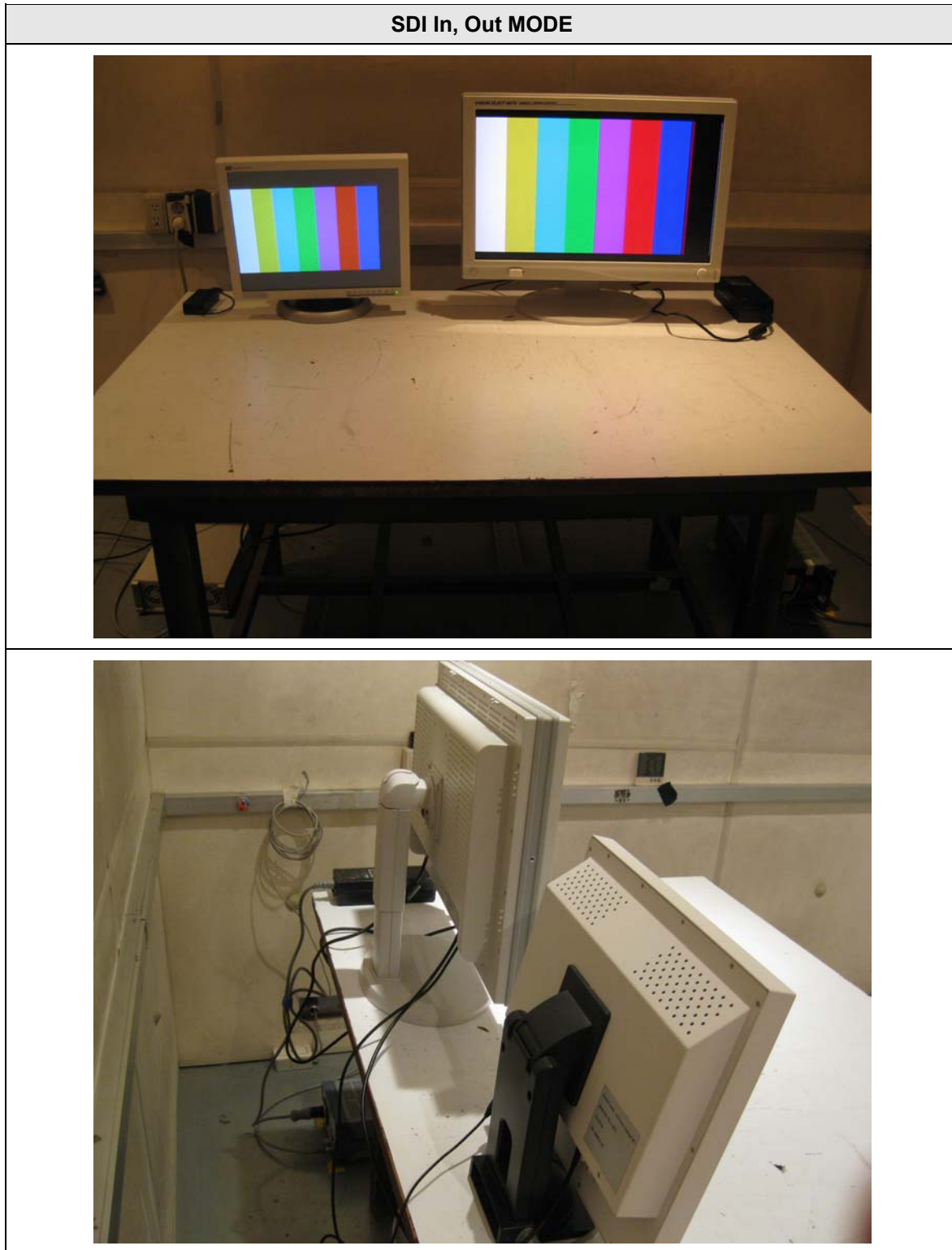


Figure 3. Conducted Emission Test Setup, Standby Mode

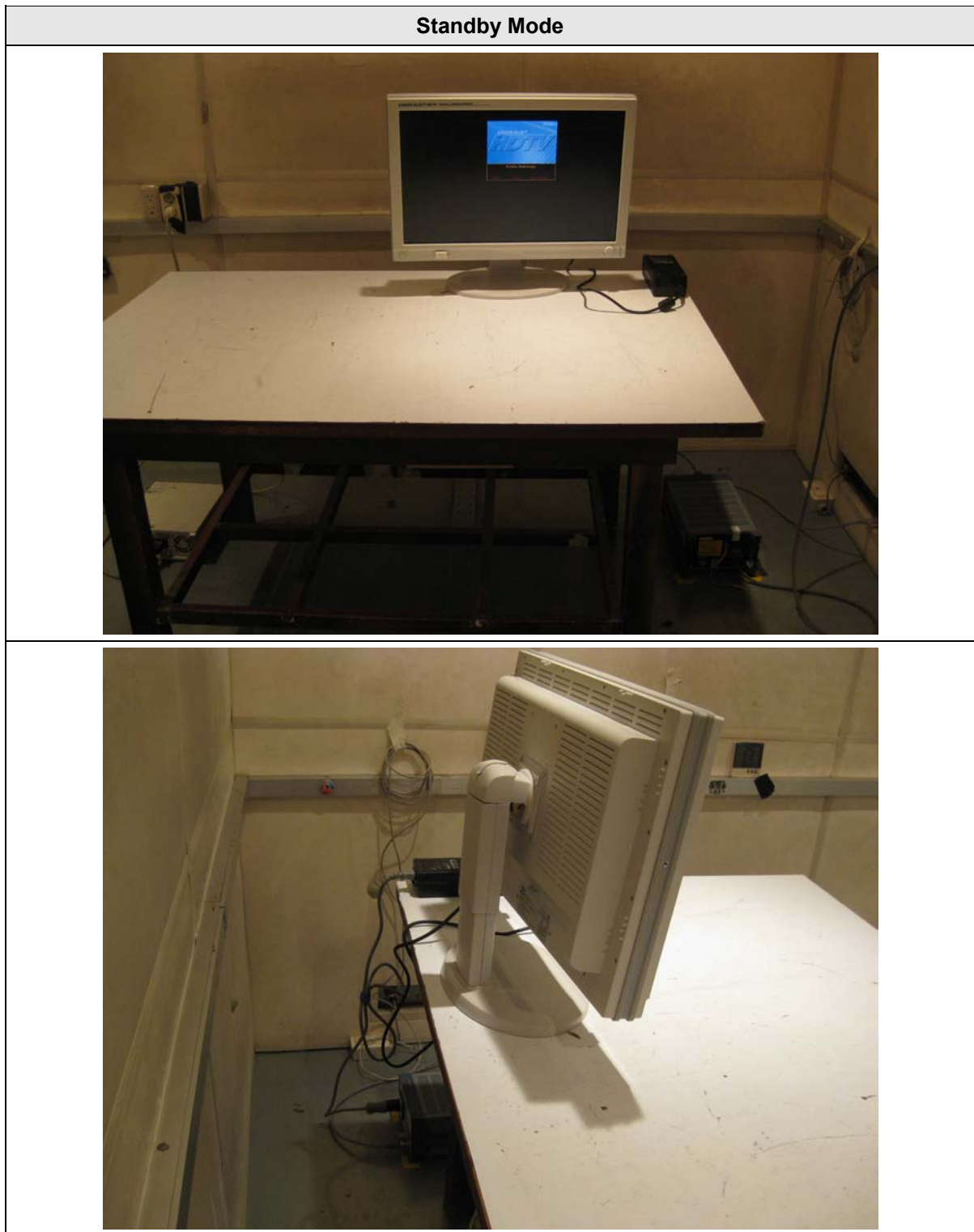


Figure 4. Graphical representation of conducted emissions, DVI Mode, Hot Line

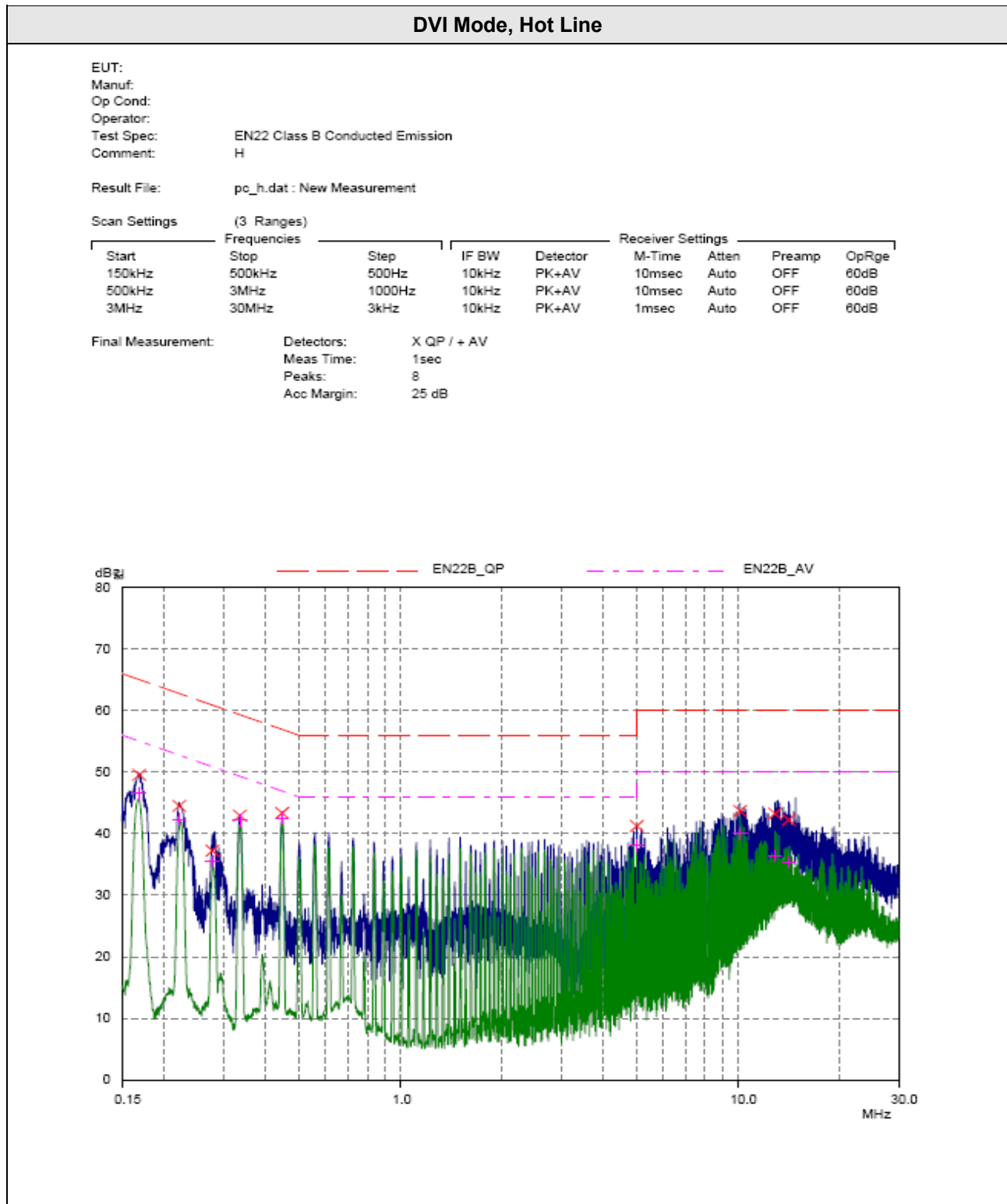


Figure 5. Graphical representation of conducted emissions, DVI Mode, Neutral Line

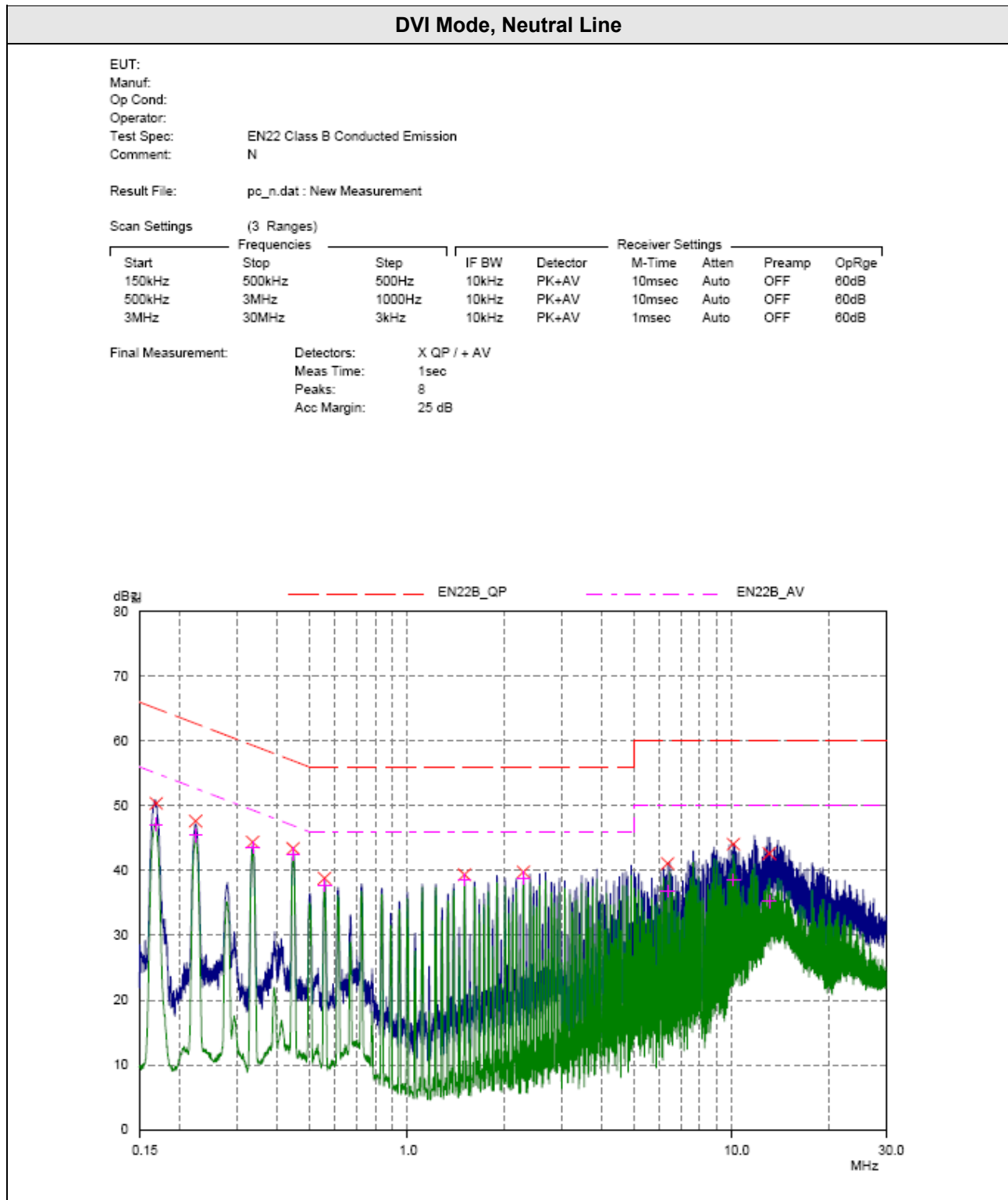


Figure 6. Graphical representation of conducted emissions, SDI in, Out Mode, Hot Line

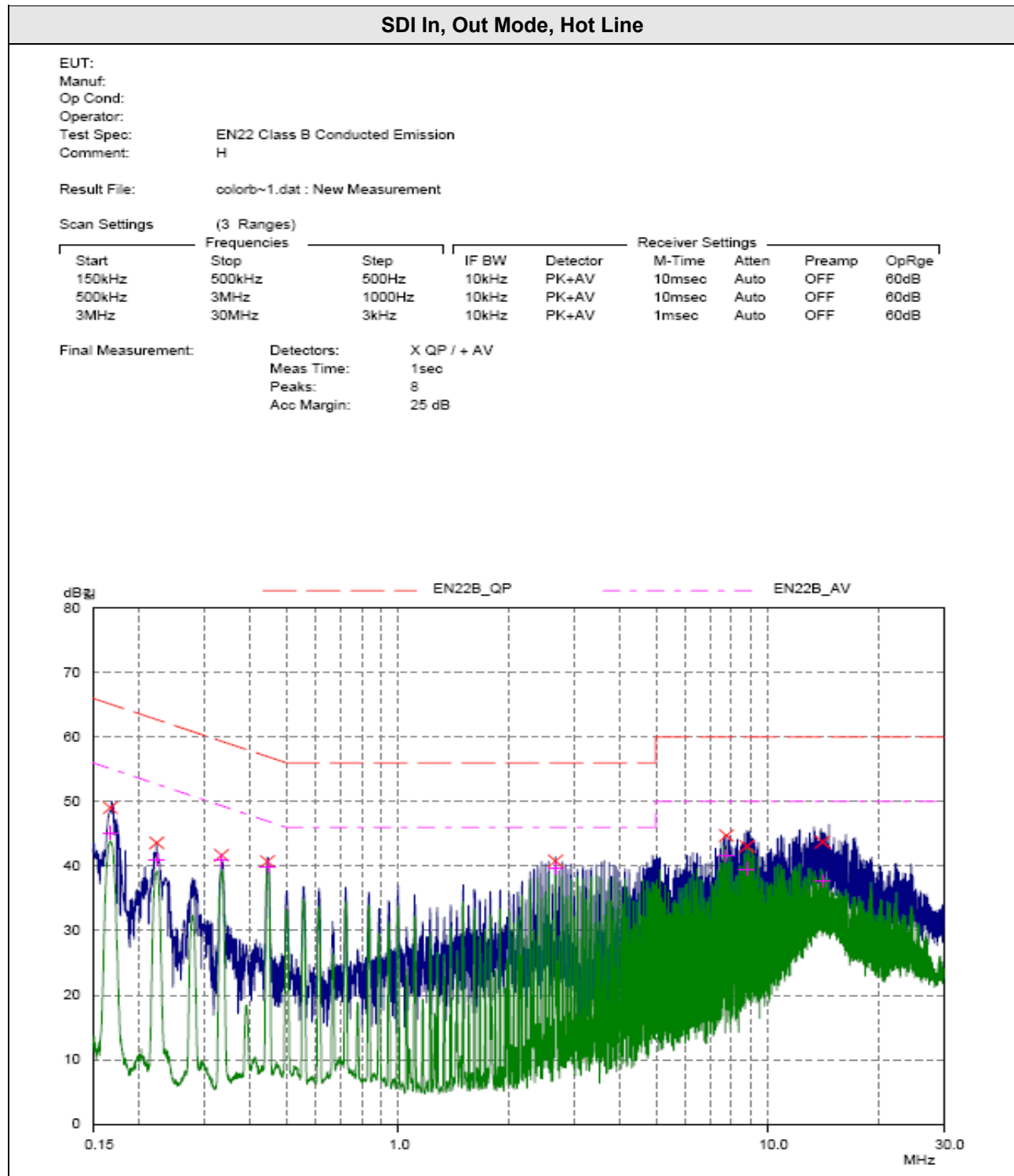


Figure 7. Graphical representation of conducted emissions, SDI Mode, Neutral Line

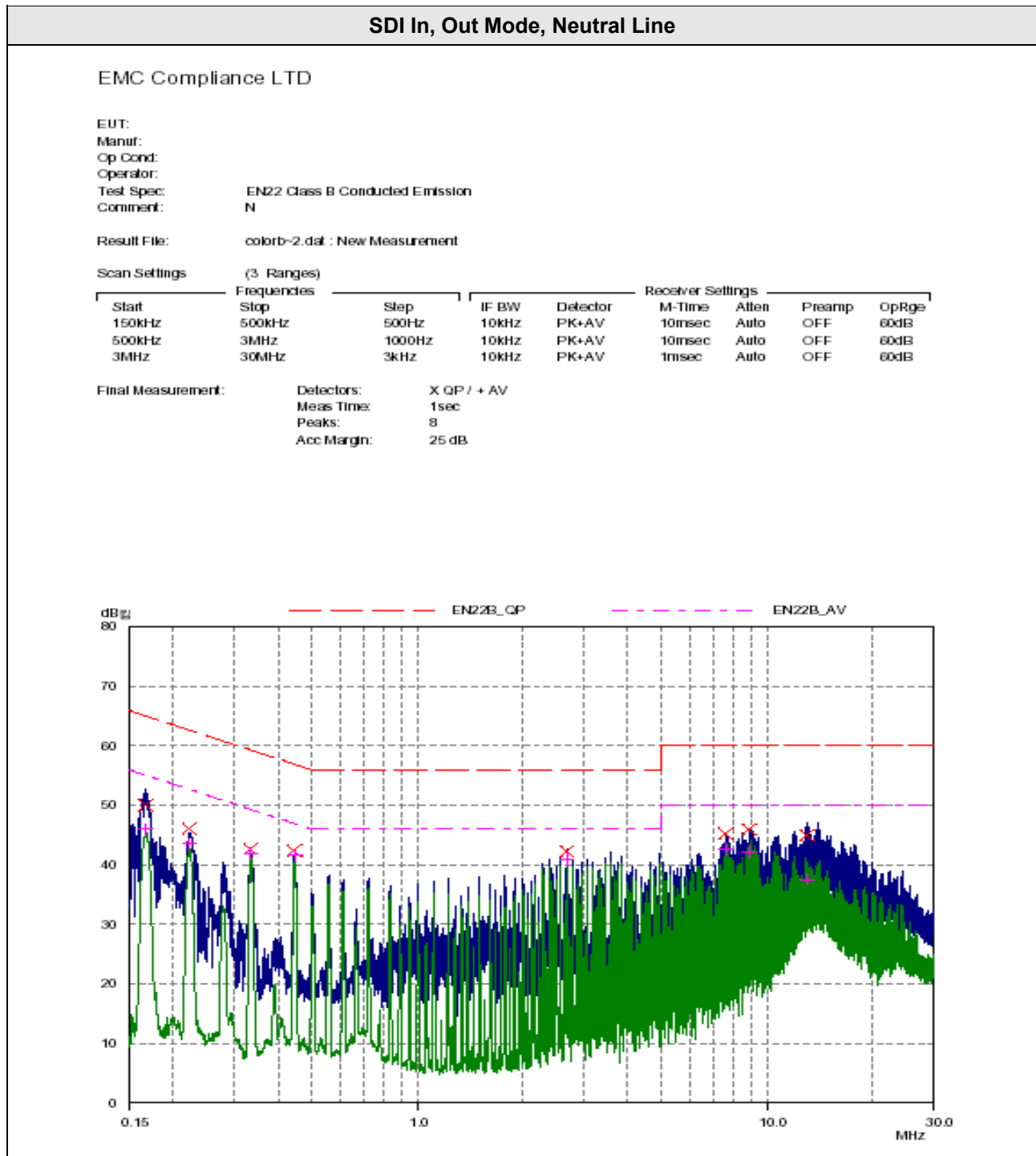


Figure 8. Graphical representation of conducted emissions, Standby Mode, Hot Line

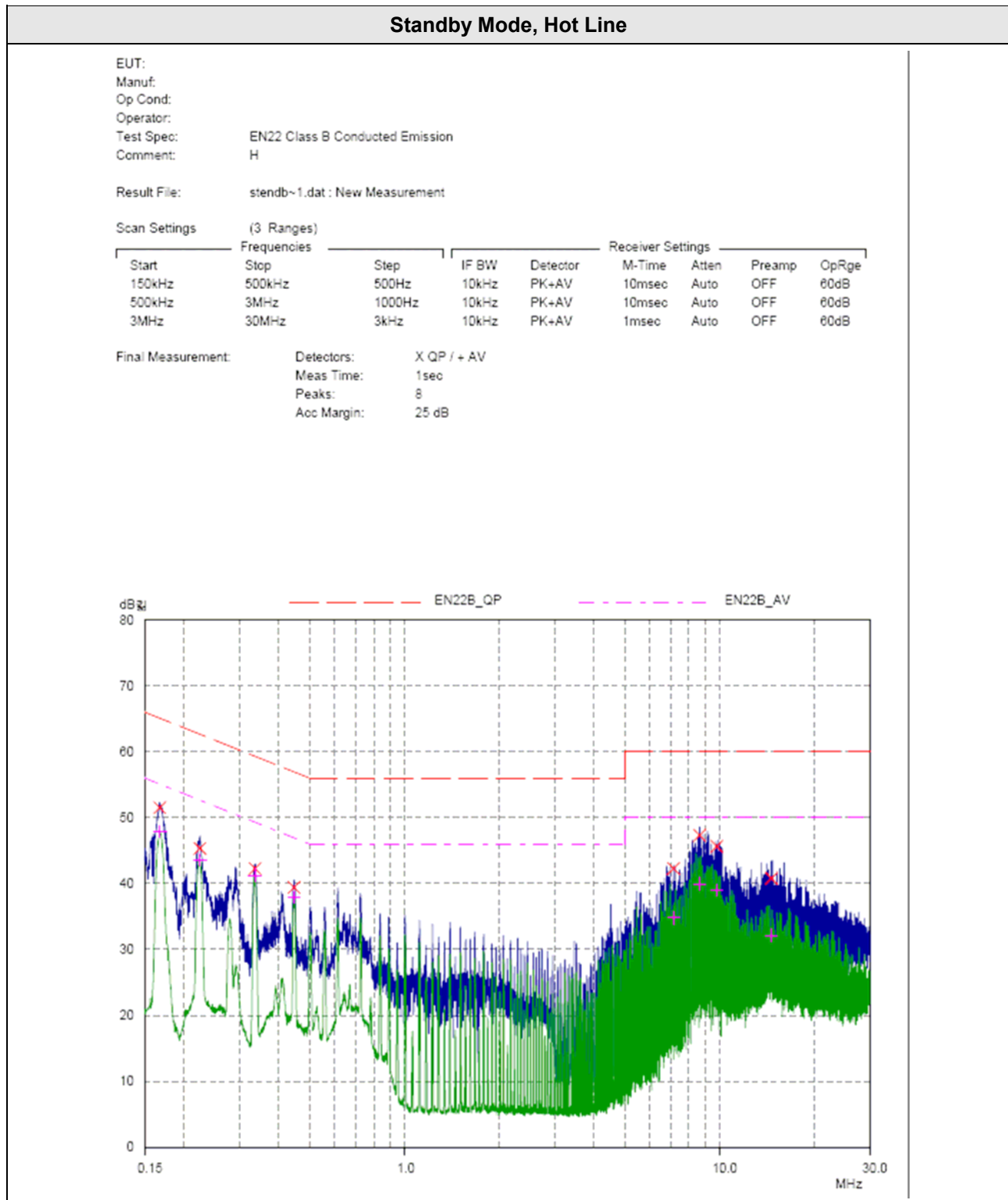


Figure 9. Graphical representation of conducted emissions, Standby Mode, Neutral Line

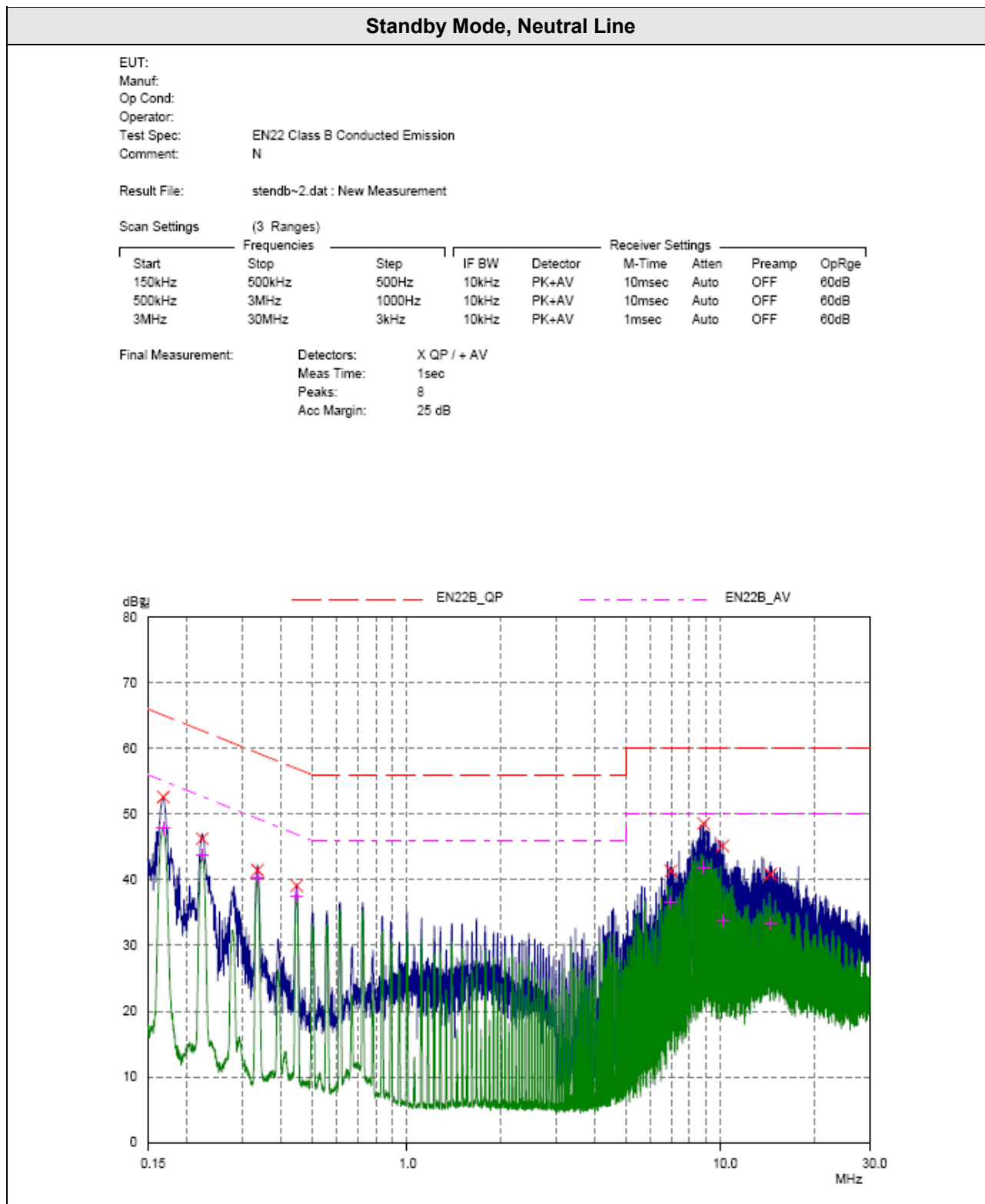


Table 1. Test data for conducted emission, DVI Mode

Test Frequency (MHz)	Correction Factor		Reading value (dBuV)		Line	Level (dBuV)		Limit (dBuV)		Margin (dB)	
	Cable	LISN	QP	AV		QP	AV	QP	AV	QP	AV
0.169	0.4	0.08	49.56	46.51	H	50.04	46.99	65.03	55.03	14.99	8.04
0.169	0.4	0.07	50.37	47.11	N	50.84	47.58	65.01	55.01	14.17	7.43
0.224	0.4	0.07	47.63	45.40	N	48.10	45.87	62.69	52.69	14.59	6.82
0.335	0.5	0.07	44.42	43.58	N	44.99	44.15	59.33	49.33	14.34	5.18
0.447	0.4	0.08	43.41	42.56	N	43.89	43.04	56.94	46.94	13.05	3.90
0.447	0.4	0.08	43.35	42.56	H	43.83	43.04	56.93	46.93	13.10	3.89
0.558	0.4	0.08	38.81	37.74	N	39.29	38.22	56.00	46.00	16.71	7.78
1.508	0.4	0.11	39.36	38.52	N	39.87	39.03	56.00	46.00	16.13	6.97
2.290	0.4	0.11	39.79	38.86	N	40.30	39.37	56.00	46.00	15.70	6.63
5.025	0.5	0.25	41.23	38.07	H	41.98	38.82	60.00	50.00	18.02	11.18
10.161	0.5	0.46	43.67	40.01	H	44.63	40.97	60.00	50.00	15.37	9.03
10.167	0.5	0.35	44.07	38.58	N	44.92	39.43	60.00	50.00	15.08	10.57
12.900	0.5	0.69	43.25	36.35	H	44.44	37.54	60.00	50.00	15.56	12.46
13.125	0.5	0.48	42.65	35.24	N	43.63	36.22	60.00	50.00	16.37	13.78
14.184	0.5	0.77	42.23	35.37	H	43.50	36.64	60.00	50.00	16.50	13.36
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.											

Table 2. Test data for conducted emission, SDI In, Out Mode

Test Frequency (MHz)	Correction Factor		Reading value (dBuV)		Line	Level (dBuV)		Limit (dBuV)		Margin (dB)	
	Cable	LISN	QP	AV		QP	AV	QP	AV	QP	AV
0.168	0.4	0.07	50.02	46.01	N	50.49	46.48	65.08	55.08	14.59	8.60
0.223	0.4	0.07	46.08	43.52	N	46.55	43.99	62.71	52.71	16.16	8.72
0.334	0.5	0.08	41.67	40.87	H	42.25	41.45	59.35	49.35	17.10	7.90
0.335	0.5	0.07	42.72	41.87	N	43.29	42.44	59.34	49.34	16.05	6.90
0.445	0.4	0.08	40.70	39.91	H	41.18	40.39	56.98	46.98	15.80	6.59
0.447	0.4	0.08	42.40	41.58	N	42.88	42.06	56.93	46.93	14.05	4.87
2.675	0.5	0.17	40.79	39.67	H	41.46	40.34	56.00	46.00	14.54	5.66
2.679	0.5	0.15	42.27	40.87	N	42.92	41.52	56.00	46.00	13.08	4.48
7.647	0.4	0.31	45.32	42.63	N	46.03	43.34	60.00	50.00	13.97	6.66
7.752	0.4	0.39	44.73	41.61	H	45.52	42.40	60.00	50.00	14.48	7.60
8.809	0.4	0.42	43.09	39.51	H	43.91	40.33	60.00	50.00	16.09	9.67
8.931	0.4	0.33	45.97	42.11	N	46.70	42.84	60.00	50.00	13.30	7.16
13.008	0.5	0.48	44.98	37.54	N	45.96	38.52	60.00	50.00	14.04	11.48
14.113	0.5	0.77	43.71	37.68	H	44.98	38.95	60.00	50.00	15.02	11.05

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.

Table 3. Test data for conducted emission, Standby Mode

Test Frequency (MHz)	Correction Factor		Reading value (dBuV)		Line	Level (dBuV)		Limit (dBuV)		Margin (dB)	
	Cable	LISN	QP	AV		QP	AV	QP	AV	QP	AV
0.168	0.4	0.08	51.51	47.92	H	51.51	47.92	65.08	55.08	13.57	7.16
0.168	0.4	0.07	52.60	47.80	N	52.60	47.80	65.06	55.06	12.46	7.26
0.224	0.4	0.07	46.26	43.80	N	46.26	43.80	62.69	52.69	16.43	8.89
0.225	0.4	0.08	45.32	43.57	H	45.32	43.57	62.65	52.65	17.33	9.08
0.336	0.5	0.08	42.29	41.26	H	42.29	41.26	59.31	49.31	17.02	8.05
0.447	0.4	0.08	39.42	37.91	H	39.42	37.91	56.94	46.94	17.52	9.03
6.984	0.5	0.29	41.35	36.60	N	41.35	36.60	60.00	50.00	18.65	13.40
7.152	0.5	0.35	42.27	34.80	H	42.27	34.80	60.00	50.00	17.73	15.20
8.658	0.4	0.42	47.34	39.95	H	47.34	39.95	60.00	50.00	12.66	10.05
8.880	0.4	0.33	48.57	41.92	N	48.57	41.92	60.00	50.00	11.43	8.08
9.831	0.5	0.46	45.66	38.97	H	45.66	38.97	60.00	50.00	14.34	11.03
10.224	0.5	0.35	45.16	33.79	N	45.16	33.79	60.00	50.00	14.84	16.21

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.

5. Radiated Emission Test

TEST: Limits for radiated disturbance					
Method	Measurements were made at Open area test site that complies to CISPR 16/ANSI C63.4. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3-meter. The EUT was rotated 360° about its azimuth with the receive antenna located at 1, 2, 3 and 4 meter heights in both horizontal and vertical polarities. Final measurements (quasi-peak or average as noted) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.				
Parameters recorded during the test		Laboratory Ambient Temperature		23 °C	
		Relative Humidity		38 %	
-		Frequency range		Measurement Point	
Fully configured sample scanned over the following frequency range		30 MHz – 1.0 GHz		10 meter measurement distance	
		1.0 GHz – 2.0GHz		3 meter measurement distance	
Limits - Class B					
Frequency (MHz)		Limit (dBµV/m)			
		Quasi-Peak		Results	
30 to 230		30		Pass	
230 to 1000		37		Pass	
1000 to 2000		54 (Average), 74 (Peak)		Pass	
Conducted Emissions EUT Configuration Settings					
Power Interface Mode # (See Section 1.7)		EUT Operation Mode # (See 2.1)		EUT Configurations Mode # (See Section 2.3)	
1		1, 3, 7		1, 2, 3	
Test Equipment Used					
Description	Manufacturer	Model	Identifier	Cal. Date	Cal. Due
Test Receiver	R&S	ESCI	100001	08.08.18	09.08.18
TRILOG SUPER BROADBAND ANT	SCHWAREBEC K.	VULB 9160	3228	08.02.21	10.02.21
Bi-Log Antenna	A.H. SYSTEMS.	SAS-540	560	07.11.16	09.11.16
L/P ANTENNA	A.H. SYSTEMS.	SAS-510-2	1035	07.11.16	09.11.16
HORN ANT	ETS	3115	00062589	07.12.26	09.12.26
AMPLIFIER	AGIENT	8449B	3008A0343	08.02.14	09.02.14

Figure 10, Photo of Radiated emission test setup, DVI Mode, 30MHz to 1GHz



Figure 11, Photo of Radiated emission test setup, DVI Mode, 1GHz to 2GHz



Figure 12. Photo of Radiated emission test setup, SDI In, Out Mode, 30MHz to 1GHz



Figure 13. Photo of Radiated emission test setup, SDI In, Out Mode, 1GHz to 2GHz



Figure 14, Photo of Radiated emission test setup, Standby Mode, 30MHz to 1GHz



Figure 15, Photo of Radiated emission test setup, Standby Mode, 1GHz to 2GHz



Figure 16. Graphical representation of 3m Semi-anechoic Chamber Pre-scan, DVI mode

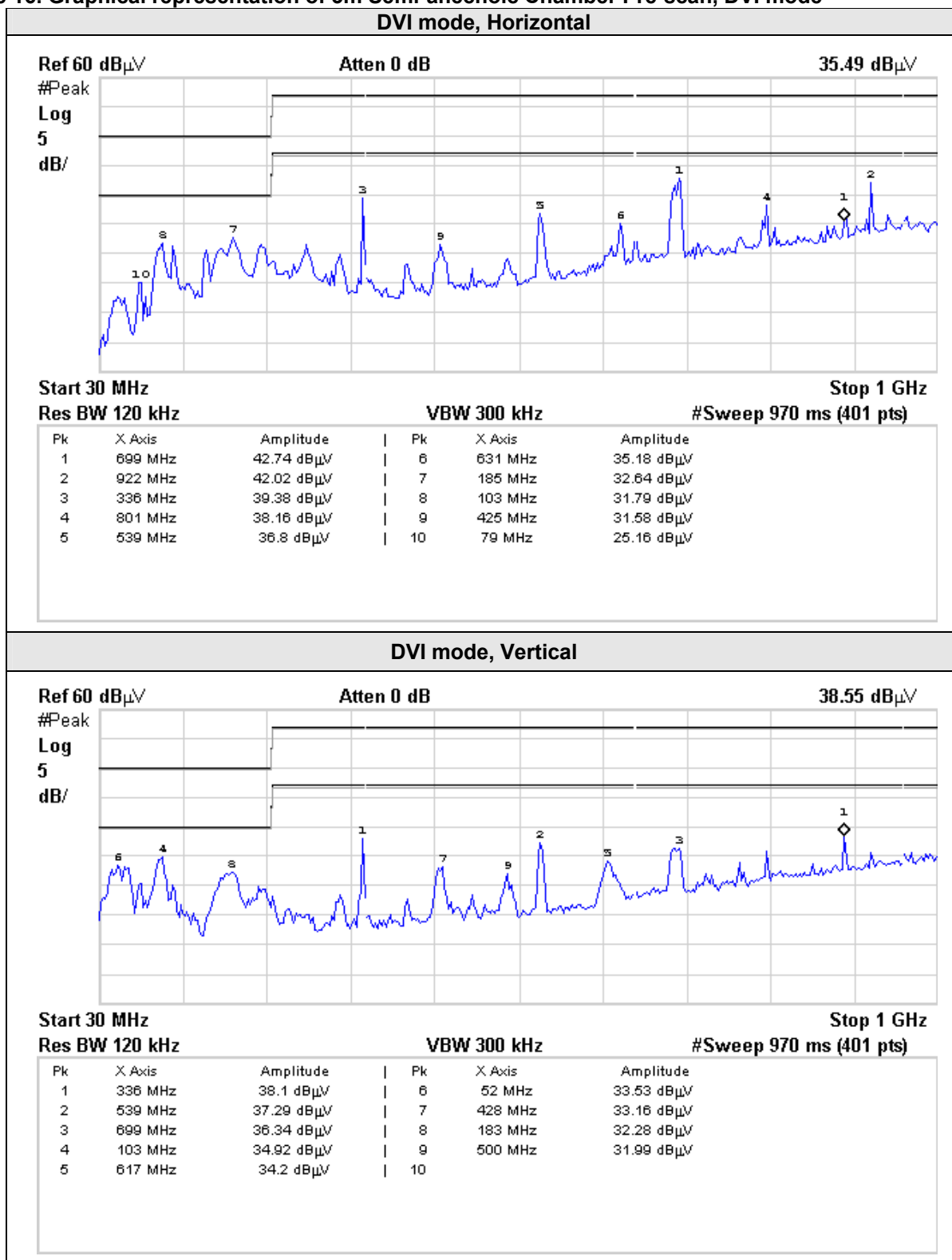


Figure 17. Graphical representation of 3m Semi-anechoic Chamber Pre-scan, SDI In, Out Mode

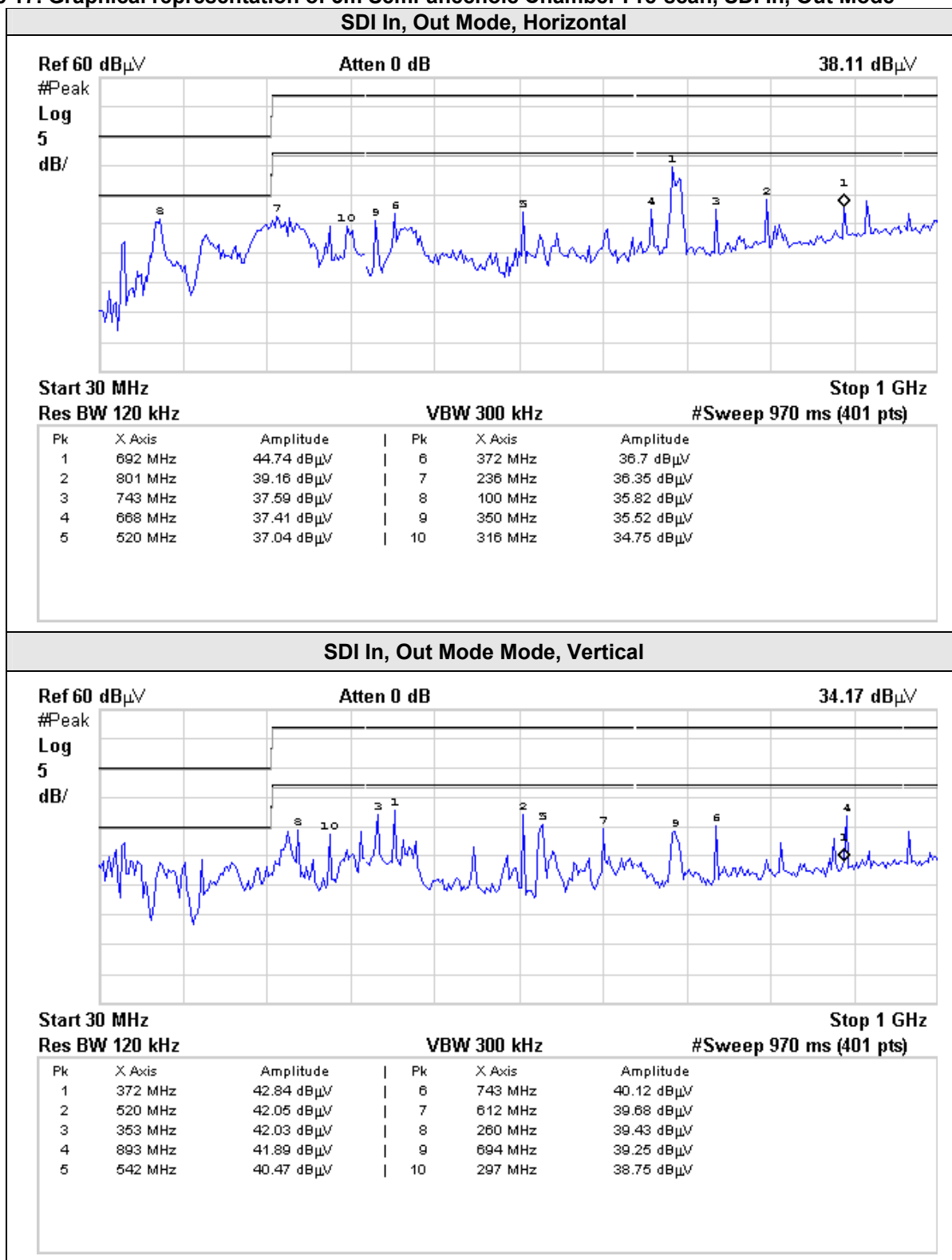


Figure 18. Graphical representation of 3m Semi-anechoic Chamber Pre-scan, Standby Mode

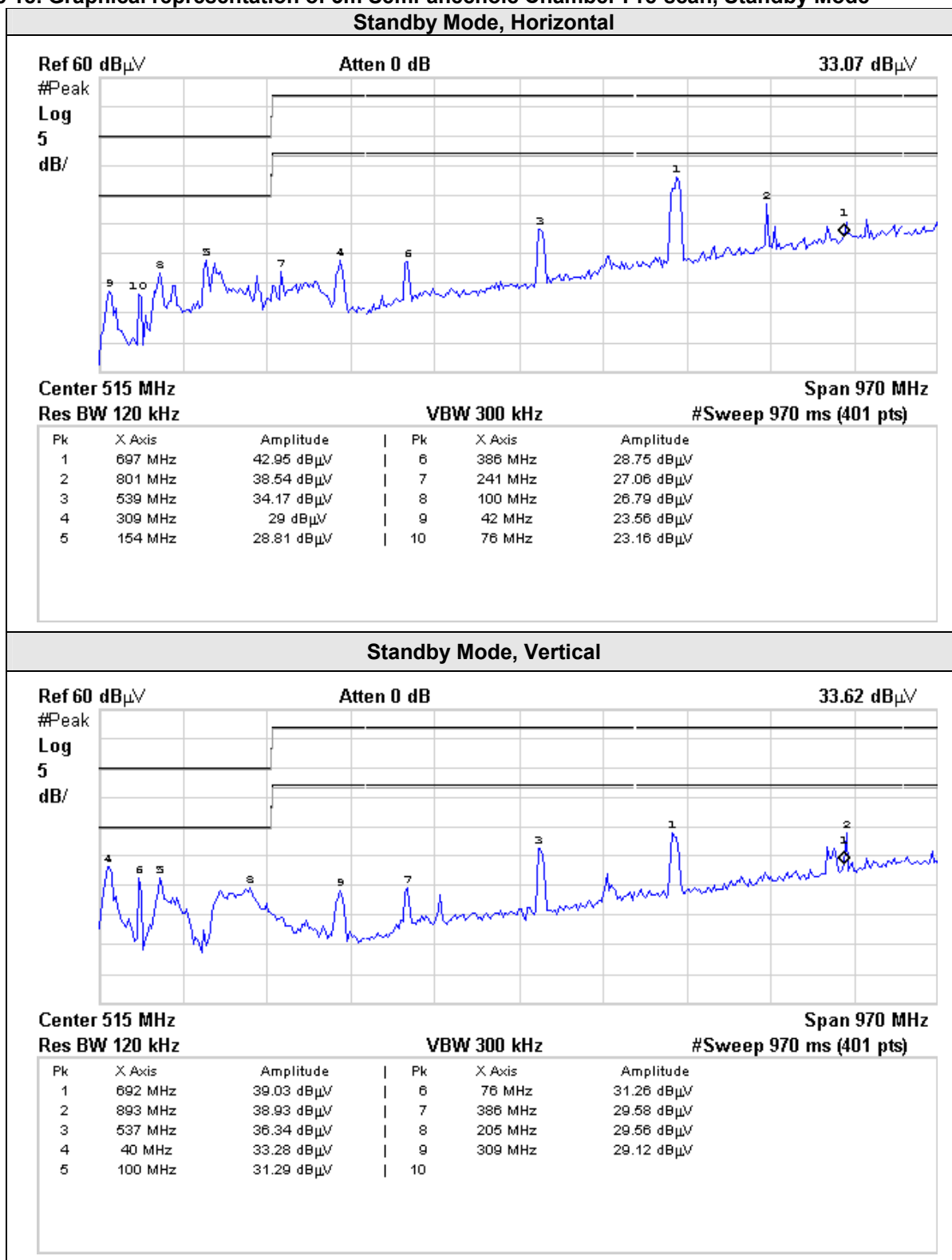


Table 4. Radiated emission Test data, DVI Mode, 30MHz to 1GHz

Test Frequency (MHz)	Meter Reading (dBuV)	Detector (Pk/QP)	Polarity (V/H)	Azimuth (Degrees)	Antenna Height (m)	Gain/Loss Factor (dB)	Antenna Factor (dB/m)	Level dBuV/m	Limit dBuV/m	Margin (dB)
57.57	12.30	QP	V	119.00	1.00	1.51	9.75	23.56	30.00	6.44
100.51	7.20	QP	V	39.00	1.00	2.01	10.70	19.91	30.00	10.09
154.49	3.60	QP	H	360.00	1.90	2.47	12.01	18.08	30.00	11.92
270.00	6.00	QP	H	99.00	1.00	3.44	16.32	25.76	37.00	11.24
537.42	5.40	QP	V	360.00	1.00	4.93	18.63	28.96	37.00	8.04
308.52	7.20	QP	H	42.00	1.00	3.63	14.08	24.92	37.00	12.08
700.00	7.50	QP	H	169.00	1.00	5.84	19.94	33.28	37.00	3.72
702.12	5.40	QP	H	179.00	1.00	5.86	19.98	31.24	37.00	5.76

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.

Table 5. Radiated emission Test data, DVI Mode, 1GHz to 2GHz

Test Frequency (MHz)	Meter Reading (dBuV)	Detector (Pk/AV)	Pol (V/H)	Azimuth (Degrees)	Antenna Height (m)	AMP Gain (dB)	Antenna Factor (dB/m)	Cable loss (dB)	Level dBuV/m	Limit dBuV/m	Margin (dB)
1477.00	46.7	AV	V	171	1.3	34.46	29.01	9.31	50.56	54.0	3.44
1477.00	47.9	PK	V	171	1.3	34.46	29.01	9.31	51.76	74.0	22.24

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.

Table 6. Radiated emission Test data, SDI Mode, 30MHz to 1GHz

Test Frequency (MHz)	Meter Reading (dBuV)	Detector (Pk/QP)	Polarity (V/H)	Azimuth (Degrees)	Antenna Height (m)	Gain/Loss Factor (dB)	Antenna Factor (dB/m)	Level dBuV/m	Limit dBuV/m	Margin (dB)
148.50	7.9	QP	V	133	1.0	2.42	11.84	22.15	30.0	7.85
203.97	3.0	QP	V	0	1.0	2.89	14.06	19.95	30.0	10.05
222.76	8.4	QP	H	360	4.0	3.04	14.36	25.80	30.0	4.20
236.59	8.6	QP	H	149	3.7	3.17	15.06	26.83	37.0	10.17
519.42	6.8	QP	H	190	1.0	4.86	17.99	29.65	37.0	7.35
692.29	2.6	QP	H	0	4.0	5.79	20.03	28.42	37.0	8.58

Note:

- Margin (dB)= Limit (dBuV) - Level (dBuV)
- If no frequencies are specified in the tables, no measurement for quasi-peak or average was necessary.

Table 7. Radiated emission Test data, SDI Mode, 1GHz to 2GHz

Test Frequency (MHz)	Meter Reading (dBuV)	Detector (Pk/AV)	Pol (V/H)	Azimuth (Degrees)	Antenna Height (m)	AMP Gain (dB)	Antenna Factor (dB/m)	Cable loss (dB)	Level dBuV/m	Limit dBuV/m	Margin (dB)
1485.0	37.7	AV	H	334	3.0	34.46	26.00	10.44	39.68	54.0	14.32
1485.0	45.5	PK	H	334	3.0	34.46	26.00	10.44	47.48	74.0	26.52

Note:

- Margin (dB)= Limit (dBuV) - Level (dBuV)
- If no frequencies are specified in the tables, no measurement for quasi-peak or average was necessary.

Table 8. Radiated emission Test data, Standby Mode, 30MHz to 1GHz

Test Frequency (MHz)	Meter Reading (dBuV)	Detector (Pk/QP)	Polarity (V/H)	Azimuth (Degrees)	Antenna Height (m)	Gain/Loss Factor (dB)	Antenna Factor (dB/m)	Level dBuV/m	Limit dBuV/m	Margin (dB)
75.86	7.9	QP	V	160	1.4	1.72	9.69	19.31	30.0	10.70
154.26	5.3	QP	H	360	2.9	2.47	12.01	19.78	30.0	10.22
204.06	5.1	QP	H	153	3.7	2.90	14.07	22.07	30.0	7.93
307.94	6.4	QP	H	100	1.8	3.63	14.07	24.10	37.0	12.90
537.01	4.8	QP	V	279	1.0	4.93	18.63	28.36	37.0	8.64
698.09	6.0	QP	H	0	1.0	5.83	19.96	31.79	37.0	5.21

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.

Table 9. Radiated emission Test data, Standby Mode, 1GHz to 2GHz

Test Frequency (MHz)	Meter Reading (dBuV)	Detector (Pk/AV)	Pol (V/H)	Azimuth (Degrees)	Antenna Height (m)	AMP Gain (dB)	Antenna Factor (dB/m)	Cable loss (dB)	Level dBuV/m	Limit dBuV/m	Margin (dB)
1470.34	43.7	AV	V	175	1.0	34.46	29.01	9.31	47.56	54.0	6.44
1470.34	45.0	PK	V	175	1.0	34.46	29.01	9.31	48.85	74.0	25.14

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.

6. Measurement Uncertainty

Measurement Uncertainty	
All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are test receiver, cable loss, antenna factor calibration, Antenna directivity, antenna factor variation with height, antenna phase center variation, antenna frequency interpolation, measurement distance variation, site imperfection, mismatch, and system repeatability. Based on CISPR 16-4-2, the measurement uncertainty level with a 95% confidence level was applied	
Conducted emission measurement : (k=2, 95%)	
Frequency	dB
9kHz-150 kHz	± 3.05 [dBuV]
150kHz-30 MHz	± 2.53 [dBuV]
Radiated Emission measurement : (k=2, 95%)	
30-300 MHz	3 m: ±3.53 [dBuV/m], 10 m: ± 3.52 [dBuV/m]
300-1000 MHz	3 m: ±3.70 [dBuV/m], 10 m: ± 3.69 [dBuV/m]