



卓時檢測  
TIMEWAY TESTING LABORATORY



ISO/IEC17025 Accredited Lab.

Report No: FCC 1005183

File reference No: 2010-05-26

Applicant: WIN ACCORD LTD.

Product: 8DN Digital Photo Frame

Brand Name: N/A

Model No: DF08011-13- XXX(X=A-Z,0-9,a-z)

Test Standards: FCC Part 15 Subpart B: 2008

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.4&FCC Part 15 regulations for the evaluation of electromagnetic compatibility

Approved By

Terry Tong

Manager

Dated: May 26, 2010

**Results appearing herein relate only to the sample tested**

**The technical reports is issued errors and omissions exempt and is subject to withdrawal at**

**SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO LTD**

East 5/Block 4, Anhua Industrial Zone, No.8, Tairan Rd. Chegongmiao, FuTian District, Shenzhen, CHINA.

Tel (755) 83448688 Fax (755) 83442996



### **Special Statement:**

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

#### **CNAS-LAB Code: L2292**

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

#### **FCC-Registration No.: 899988**

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 899988.

#### **IC- Registration No.: IC5205A-01**

The EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration IC No.: 5205A-01.

#### **VCCI- Registration No.: R-3015 and C-3332**

The EMC Laboratory has been registered and fully described in a report filed with the (VCCI) Voluntary Control Council for Interference. The acceptance letter from the VCCI is maintained in our files. Registration IC No.: R-3015 and C-3332



Test Report Conclusion  
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## 1.0 General Details

### 1.1 Test Lab Details

Name : SHENZHEN TIMEWAY TECHNOLOGY CONSULTING CO LTD  
Address: East 5/Block 4, Anhua Industrial Zone, No.8,Tairan Rd. CheGongMiao, FuTian District, Shenzhen, CHINA.  
Telephone: (755) 83448688  
Fax: (755) 83442996

### 1.2 Applicant Details

Applicant: WIN ACCORD LTD.  
Address: 12F,NO.225,SEC 5,105 SONG SHAN DIST.,NAN JING EAST ROAD,TAIPEI.TAIWAN  
Telephone: 02-2749-3837  
Fax: 02-2749-3918

### 1.3 Description of EUT

Product: 8DN Digital Photo Frame  
Manufacturer: WIN ACCORD LTD.  
Address: 12F,NO.225,SEC 5,105 SONG SHAN DIST.,NAN JING EAST ROAD, TAIPEI. TAIWAN  
Brand Name: N/A  
Model Number: DF08011-13- XXX(X=A-Z,0-9,a-z)  
Additional Model Number: --  
Power Supply: Model: ZDA050150US; Input: 100-240V~, 50/60Hz, 0.35A; Output: DC5V, 1.5A  
Alternative Power Supply: Model: XKD-C1500IC5.0-12W;Input: 100-240V~, 50/60Hz, 0.5A; Output: DC5V, 1.5A

### 1.4 Submitted Sample: 1 Sample

### 1.5 Test Duration: 2010-05-17 to 2010-05-26

### 1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB  
Radiated Emissions Uncertainty =4.7dB

### 1.7 Test Engineer

The sample tested by \_\_\_\_\_  
Print Name: Terry Tang



**2.0 List of Measurement Equipment**

**2.1 Conducted Emission Test**

Name	Model No.	Serial No.	Manufacturer	Calibration Date	Calibration Cycle
EMI Test Receiver	ESH3	860905/006	RS	2010.4.26	1Year
Spectrum Analyzer	ESA-L1500A	US37451154	HP	2010.4.26	1Year
PULSE LIMITER	ESH3-Z2	100281	RS	2010.4.26	1Year
LISN	ESH3-Z5	100294	RS	2010.4.26	1Year
LISN	ESH3-Z5	100253	RS	2010.4.26	1Year

**2.2 Radiated electromagnetic disturbance test**

Name	Model No.	Serial No.	Manufacturer	Calibration Date	Calibration Cycle
EMI Test Receiver	ESVD	100008	RS	2010.4.26	1Year
Coaxial Switch	MP59B	M70585	ANRITSU	N/A	N/A
Spectrum Analyzer	8595E	3441A00893	HP	2010.4.26	1Year
Amplifier	8447D	2727A05017	HP	2010.4.26	1Year
Bilog Antenna	VULB9163	9163/340	Schwarebeck	2010.4.26	1Year

**2.3 Auxiliary Equipment**

Name	Model No.	Serial No.	Manufacturer	Calibration Date	Calibration Cycle
Name	Model No.	Serial No.	Manufacturer	Cable	FCC ID/DOC
PC	R400	--	IBM	--	--
Monitor	FP51G	ET47604175CLO	BENQ	Data cable of 1.5m length unshielded and 1.8m length AC Mains cable	FCC DOC

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Report No: 1005183

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### **3.0 Technical Details**

#### **3.1 Investigations Requested**

Perform Electromagnetic Interference [EMI] tests for FCC Requirement.

#### **3.2 Test Standards**

**FCC Part 15 Subpart B: 2008**

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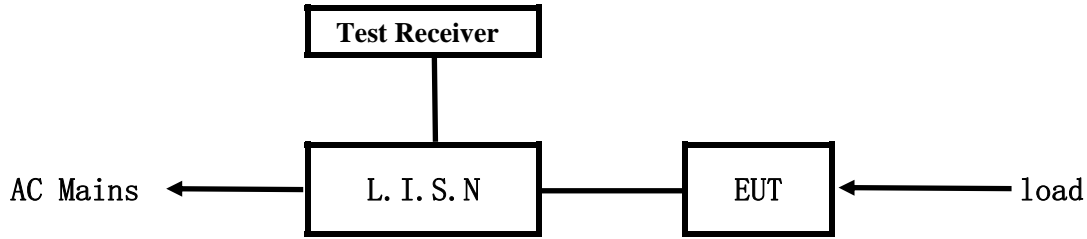
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**4.0 Conducted Power line Test**

4.1 Schematics of the test



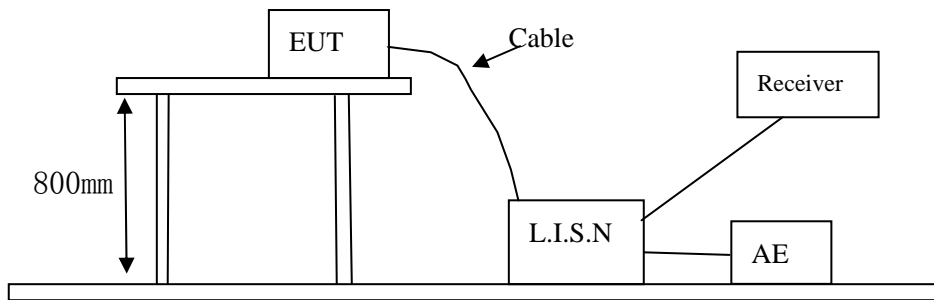
EUT: Equipment Under Test

4.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2003. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.4-2003. Cables and peripherals were moved to find the maximum emission levels for each frequency.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



4.3 Power line conducted Emission Limit

Frequency(MHz)	Class A Limits dB(μV)		Class B Limits dB(μV)	
	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level
0.15 ~ 0.50	79.00	66.00	66.00~56.00*	56.00~46.00*
0.50 ~ 5.00	73.00	60.00	56.00	46.00
5.00 ~ 30.00	73.00	60.00	60.00	50.00

- Notes:
- \*decreasing linearly with logarithm of frequency.
  - The tighter limit shall apply at the transition frequencies

4.4 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

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**A: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: music playing**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

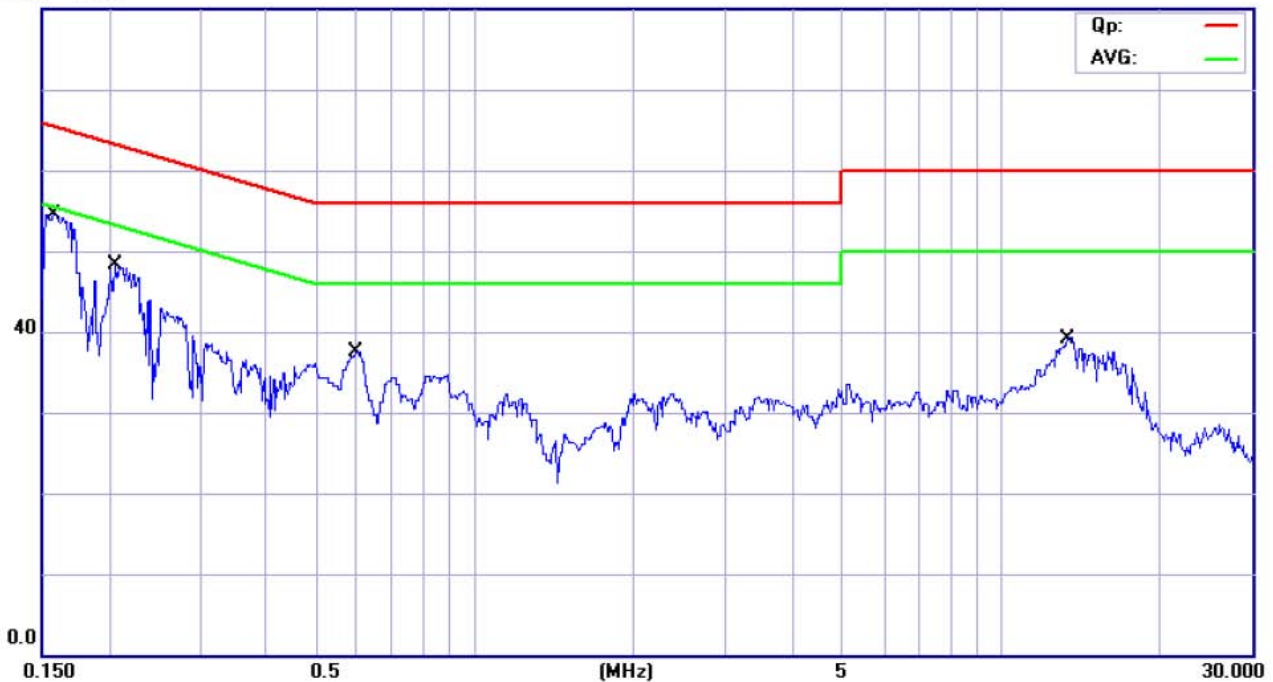
File :8DN DIGITAL PHOTO FRAME

Data :#1

Date: 10/05/26/

Time: 9/22/36

80.0 dB $\mu$ V



Frequency (MHz)	Line	Reading(dB $\mu$ V)		Limit(dB $\mu$ V)	
		Quasi-peak	Average	Quasi-peak	Average
0.158	Live	53.81	33.41	65.56	55.56
0.206	Live	47.39	28.30	63.33	53.33
0.598	Live	36.78	23.68	56.00	46.00
13.350	Live	32.93	24.89	60.00	50.00

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**B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: music playing**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

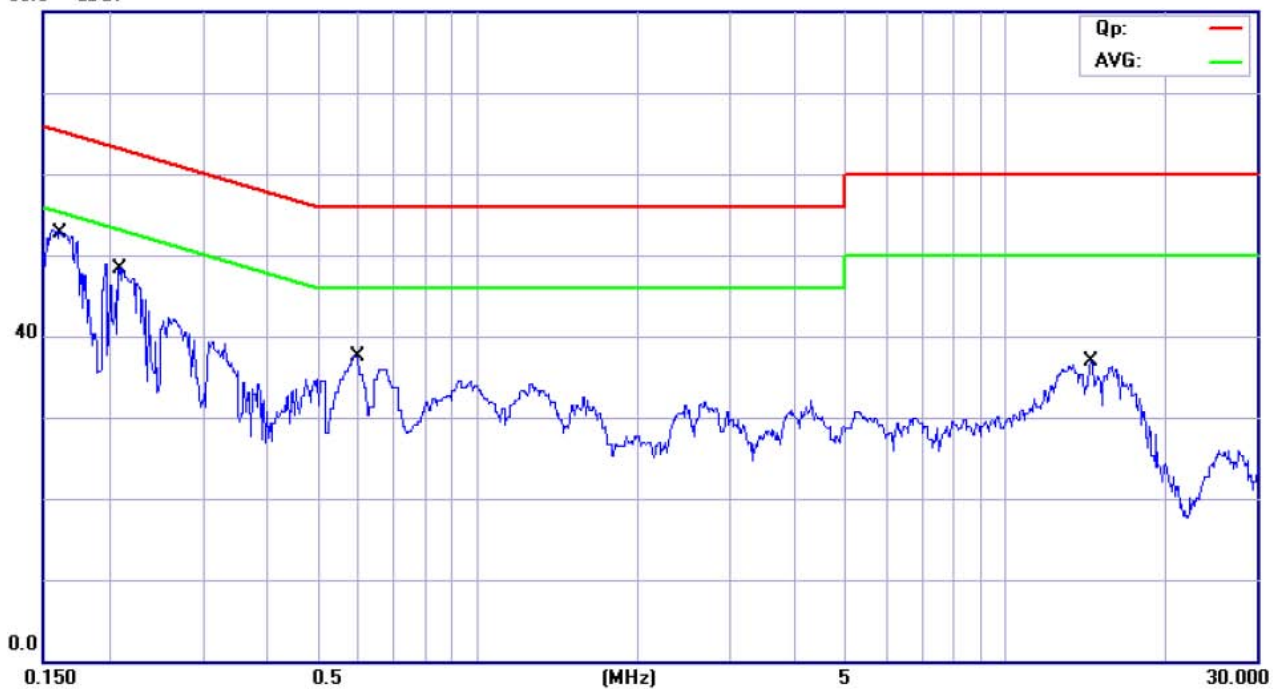
File :8DN DIGITAL PHOTO FRAME

Data :#2

Date: 10/05/26/

Time: 9/47/31

80.0 dBuV



Frequency (MHz)	Line	Reading(dBμV)		Limit(dBμV)	
		Quasi-peak	Average	Quasi-peak	Average
0.162	Neutral	52.21	30.81	65.36	55.36
0.212	Neutral	44.77	21.67	63.12	53.12
0.593	Neutral	34.89	23.78	56.00	46.00
14.562	Neutral	35.67	26.96	60.00	50.00

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**C: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Connect to PC**

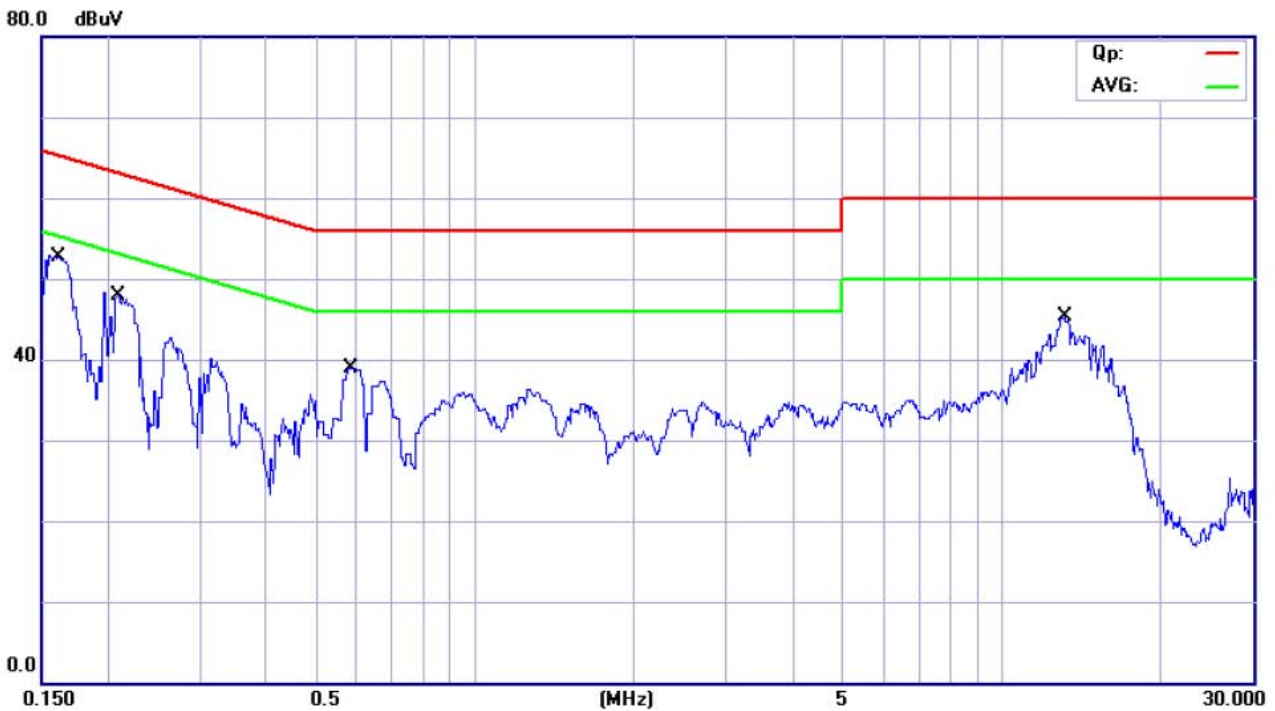
**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

File :8DN DIGITAL PHOTO FRAME Data :#4 Date: 10/05/26/ Time: 10/01/08



Frequency (MHz)	Line	Reading(dBµV)		Limit(dBµV)	
		Quasi-peak	Average	Quasi-peak	Average
0.162	Live	52.41	37.61	65.36	55.36
0.587	Live	38.96	28.76	56.00	46.00
13.210	Live	41.04	32.54	60.00	50.00
0.209	Live	46.95	31.29	63.23	53.23

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**D: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Connect to PC**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

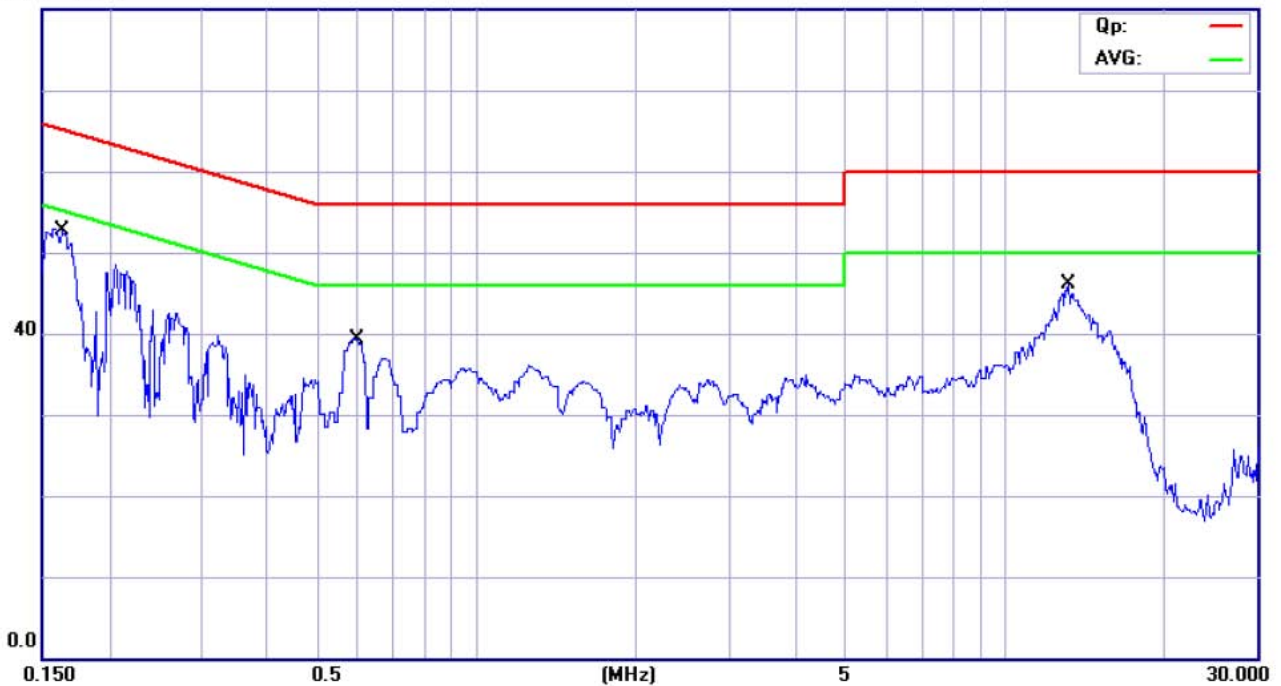
File :8DN DIGITAL PHOTO FRAME

Data :#3

Date: 10/05/26/

Time: 9/57/34

80.0 dB $\mu$ V



Frequency (MHz)	Line	Reading(dB $\mu$ V)		Limit(dB $\mu$ V)	
		Quasi-peak	Average	Quasi-peak	Average
0.161	Neutral	52.51	37.01	65.38	55.38
0.590	Neutral	39.27	28.98	56.00	46.00
13.103	Neutral	40.04	32.14	60.00	50.00

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**E: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: USB**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

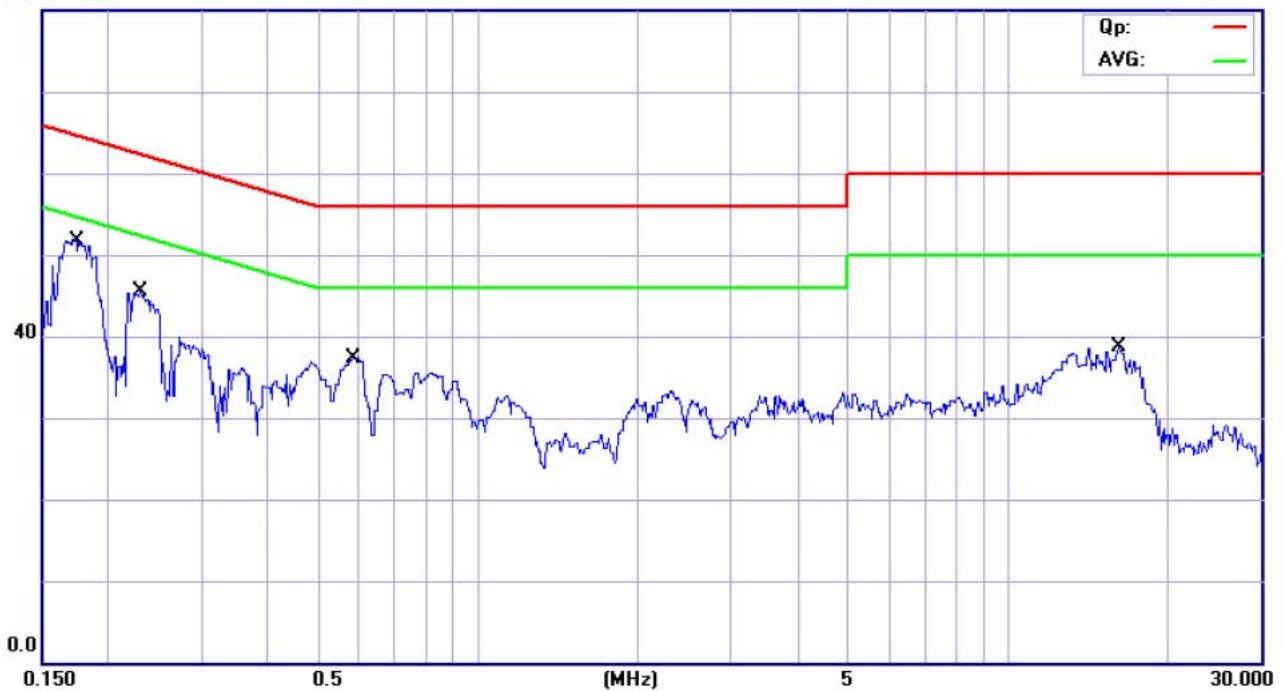
**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

File :8DN DIGITAL PHOTO FRAME Data :#6 Date: 10/05/26/ Time: 10/07/58

80.0 dB $\mu$ V



Frequency (MHz)	Line	Reading(dB $\mu$ V)		Limit(dB $\mu$ V)	
		Quasi-peak	Average	Quasi-peak	Average
0.175	Live	51.43	31.33	64.69	54.69
0.229	Live	44.08	34.86	62.46	52.46
0.590	Live	36.41	27.41	56.00	46.00
16.125	Live	37.75	28.75	60.00	50.00

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**F: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: USB**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

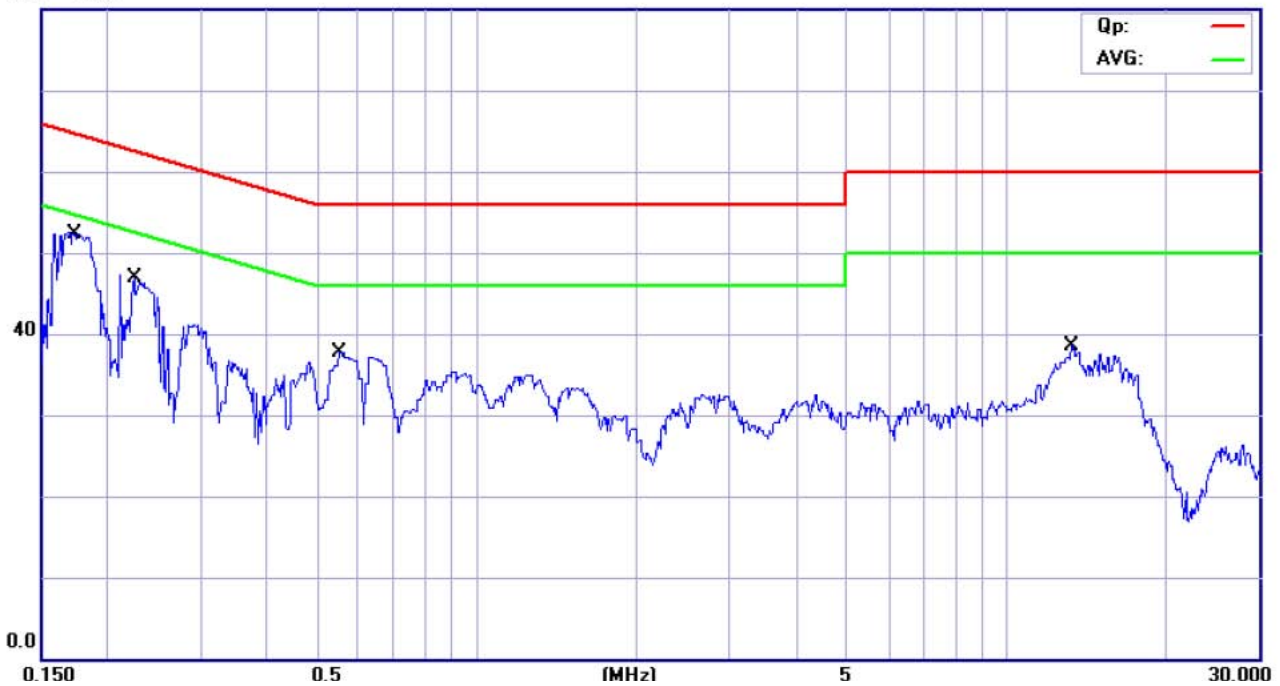
**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

File :8DN DIGITAL PHOTO FRAME Data :#5 Date: 10/05/26/ Time: 10/05/54

80.0 dB $\mu$ V



Frequency (MHz)	Line	Reading(dB $\mu$ V)		Limit(dB $\mu$ V)	
		Quasi-peak	Average	Quasi-peak	Average
0.174	Neutral	51.93	33.73	64.73	54.73
0.224	Neutral	45.84	36.40	62.66	52.66
0.556	Neutral	36.79	27.61	56.00	46.00
13.312	Neutral	37.42	28.66	60.00	50.00

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**G: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: SD**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

File :8DN DIGITAL PHOTO FRAME      Data :#7      Date: 10/05/26/      Time: 10/09/53



Frequency (MHz)	Line	Reading(dBμV)		Limit(dBμV)	
		Quasi-peak	Average	Quasi-peak	Average
0.169	Live	51.49	35.47	65.00	55.00
0.229	Live	43.94	33.54	62.47	52.47
2.322	Live	32.23	24.86	56.00	46.00
15.125	Live	42.82	34.82	60.00	50.00

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**H: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: SD**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

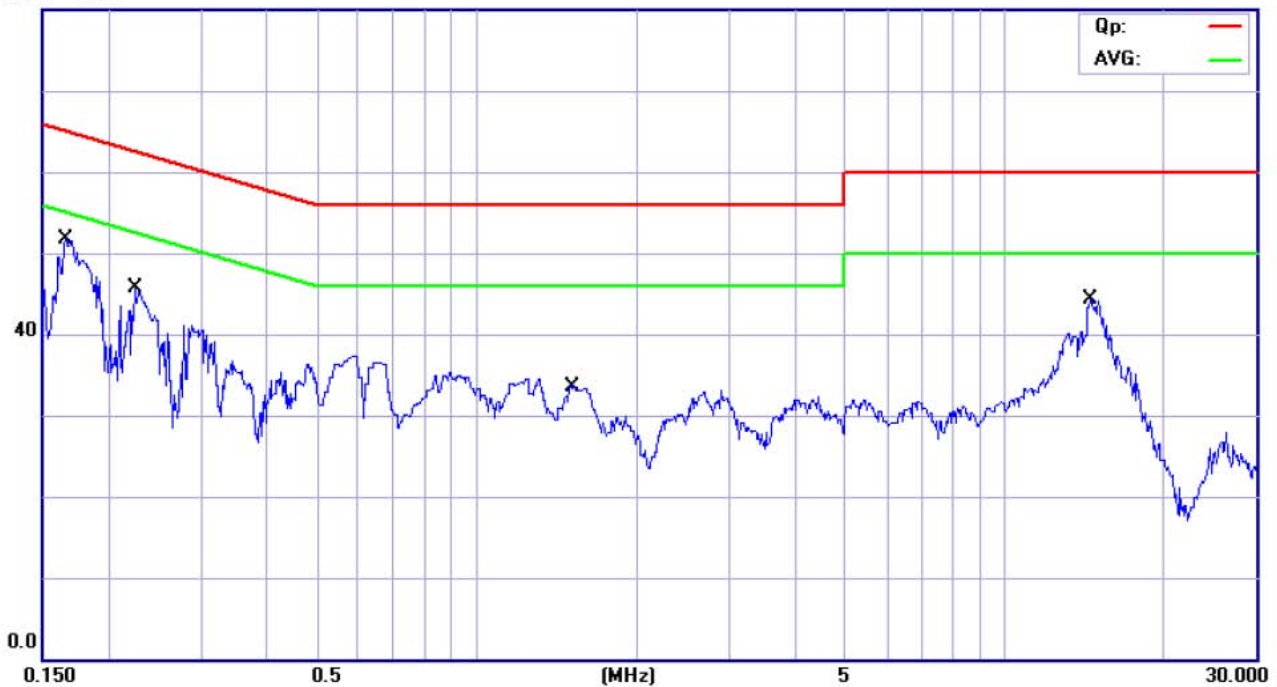
File :8DN DIGITAL PHOTO FRAME

Data :#8

Date: 10/05/26/

Time: 10/11/30

80.0 dB $\mu$ V



Frequency (MHz)	Line	Reading(dB $\mu$ V)		Limit(dB $\mu$ V)	
		Quasi-peak	Average	Quasi-peak	Average
0.165	Neutral	51.77	36.35	65.13	55.13
0.224	Neutral	44.63	35.43	62.66	52.66
1.523	Neutral	32.60	29.60	56.00	46.00
14.562	Neutral	43.23	32.64	60.00	50.00

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**A: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

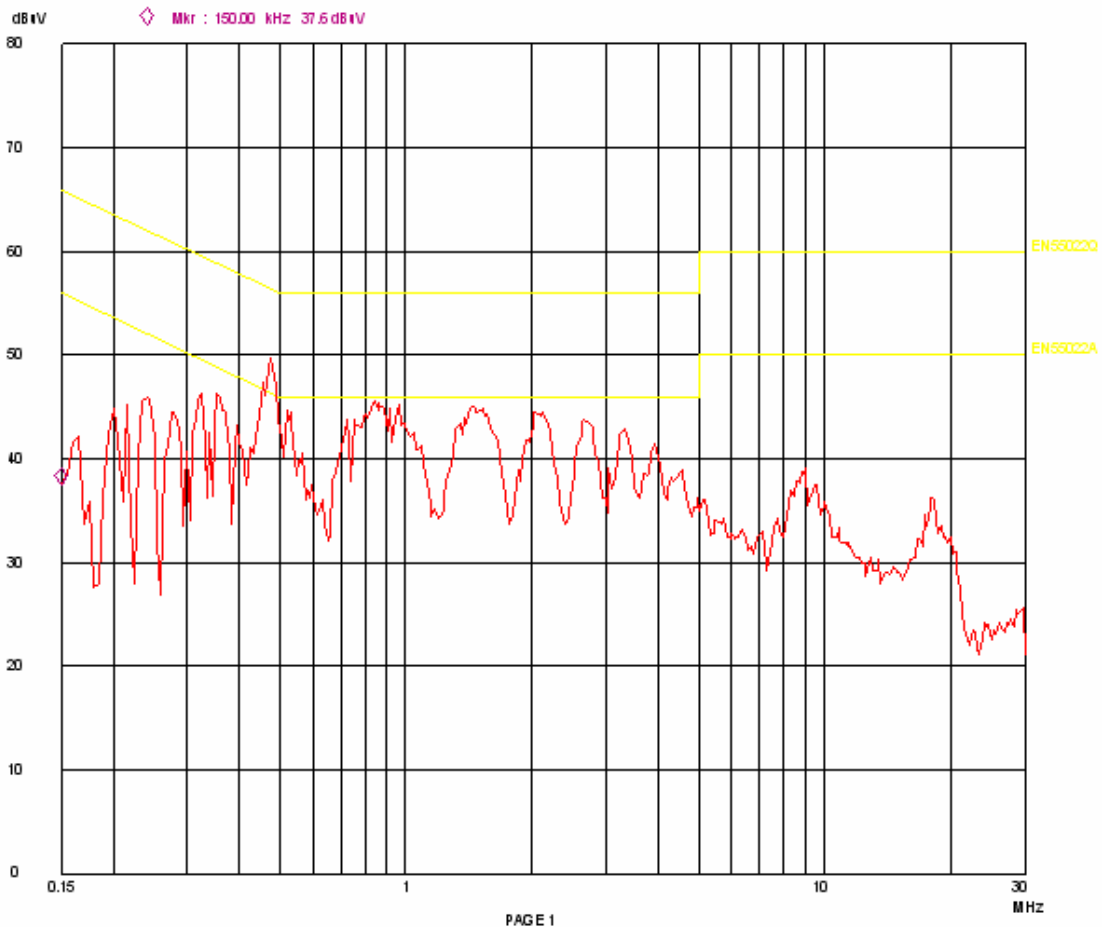
**EUT set Condition: memory**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Line	Reading(dBµV)		Limit(dBµV)	
		Quasi-peak	Average	Quasi-peak	Average
0.478	Live	45.90	34.10	56.40	46.40
0.845	Live	41.10	29.60	56.00	46.00
1.460	Live	40.30	30.20	56.00	46.00
2.665	Live	39.20	28.40	56.00	46.00

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**B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

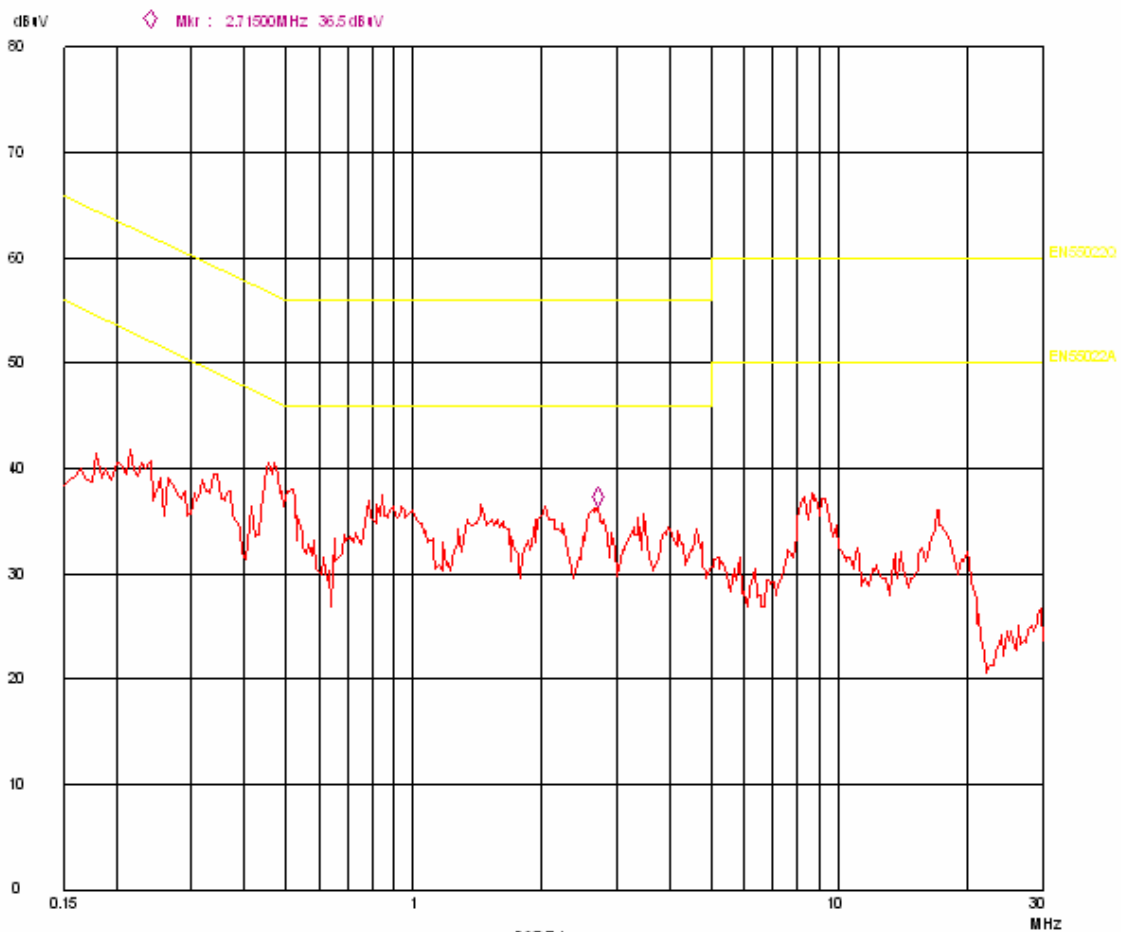
**EUT set Condition: memory**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Line	Reading(dBµV)		Limit(dBµV)	
		Quasi-peak	Average	Quasi-peak	Average
0.460	Neutral	40.20	30.00	56.70	46.70
2.045	Neutral	32.80	21.70	56.00	46.00
8.610	Neutral	31.30	19.10	60.00	50.00

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**C: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

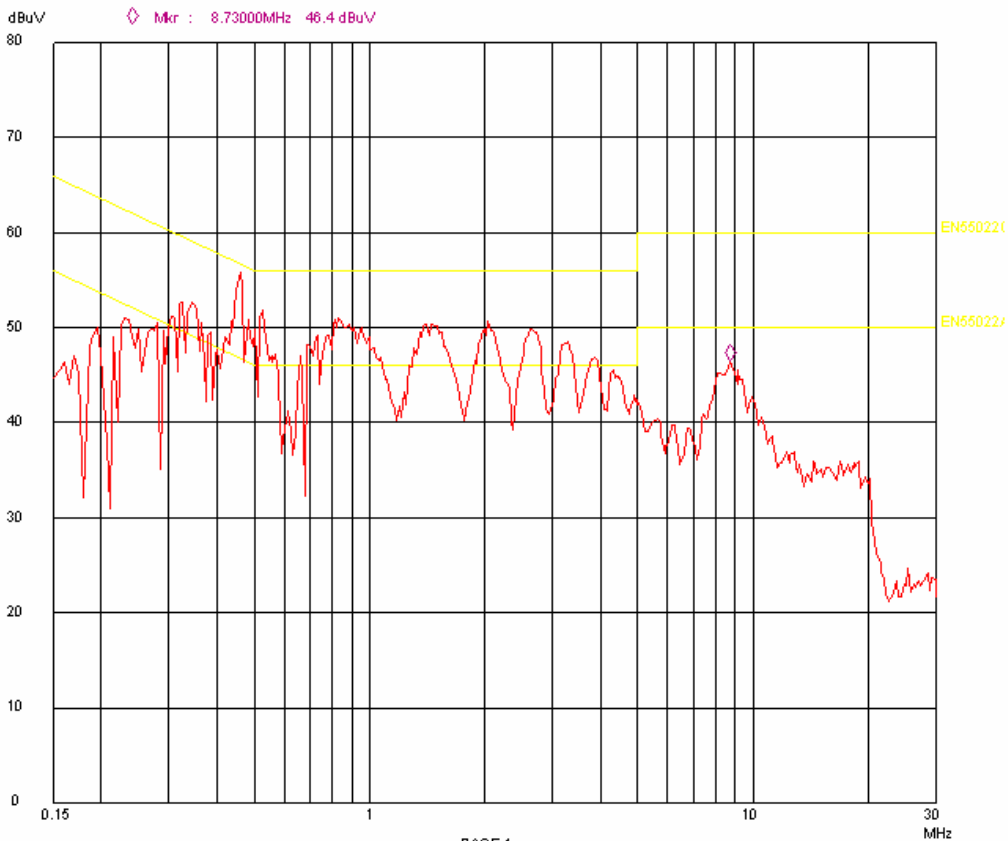
**EUT set Condition: Connect to PC**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Line	Reading(dBμV)		Limit(dBμV)	
		Quasi-peak	Average	Quasi-peak	Average
0.325	Live	47.30	26.80	59.60	49.60
0.460	Live	54.30	45.40	56.70	46.70
0.830	Live	44.50	29.90	56.00	46.00
1.455	Live	47.90	37.20	56.00	46.00
3.285	Live	46.10	33.10	56.00	46.00
8.730	Live	42.20	31.30	60.00	50.00

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**D: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

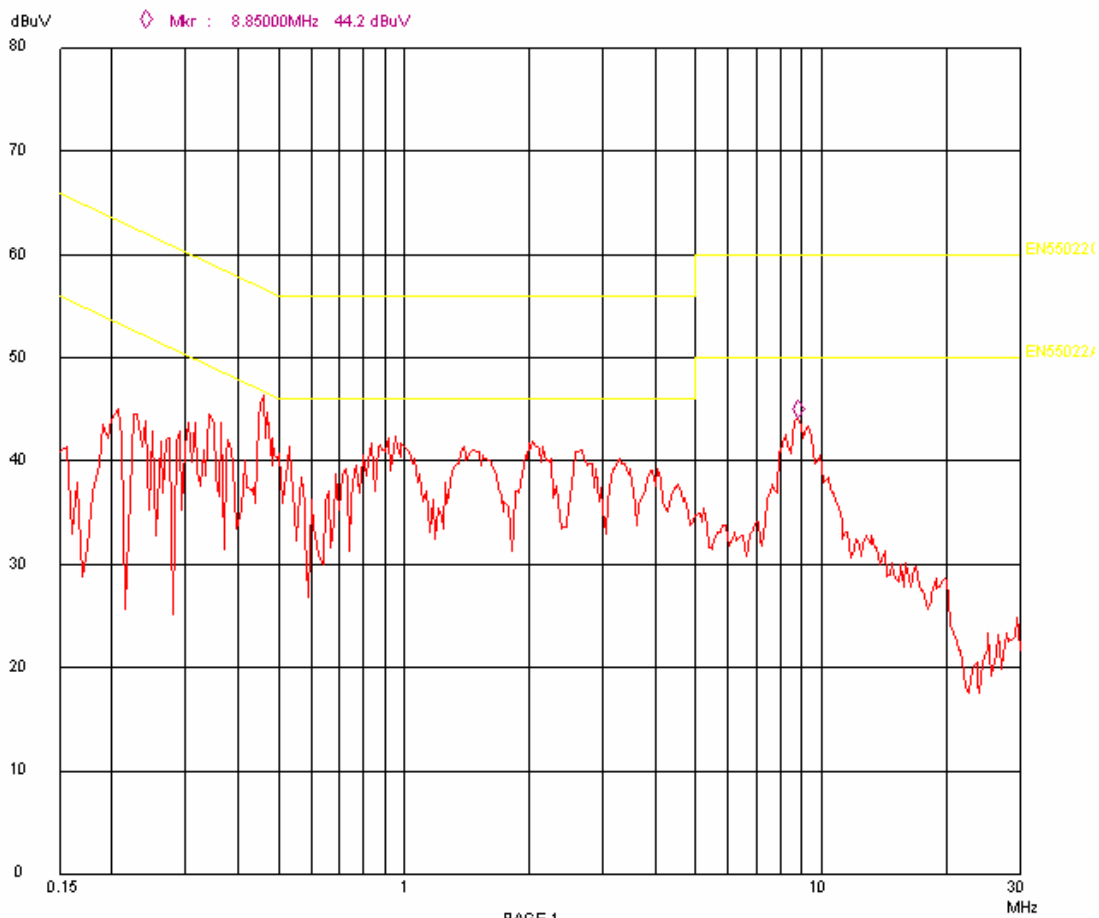
**EUT set Condition: Connect to PC**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Line	Reading(dBμV)		Limit(dBμV)	
		Quasi-peak	Average	Quasi-peak	Average
0.460	Neutral	43.50	32.30	56.70	46.70
2.030	Neutral	36.30	23.30	56.00	46.00
8.850	Neutral	38.50	26.50	60.00	50.00

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**E: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

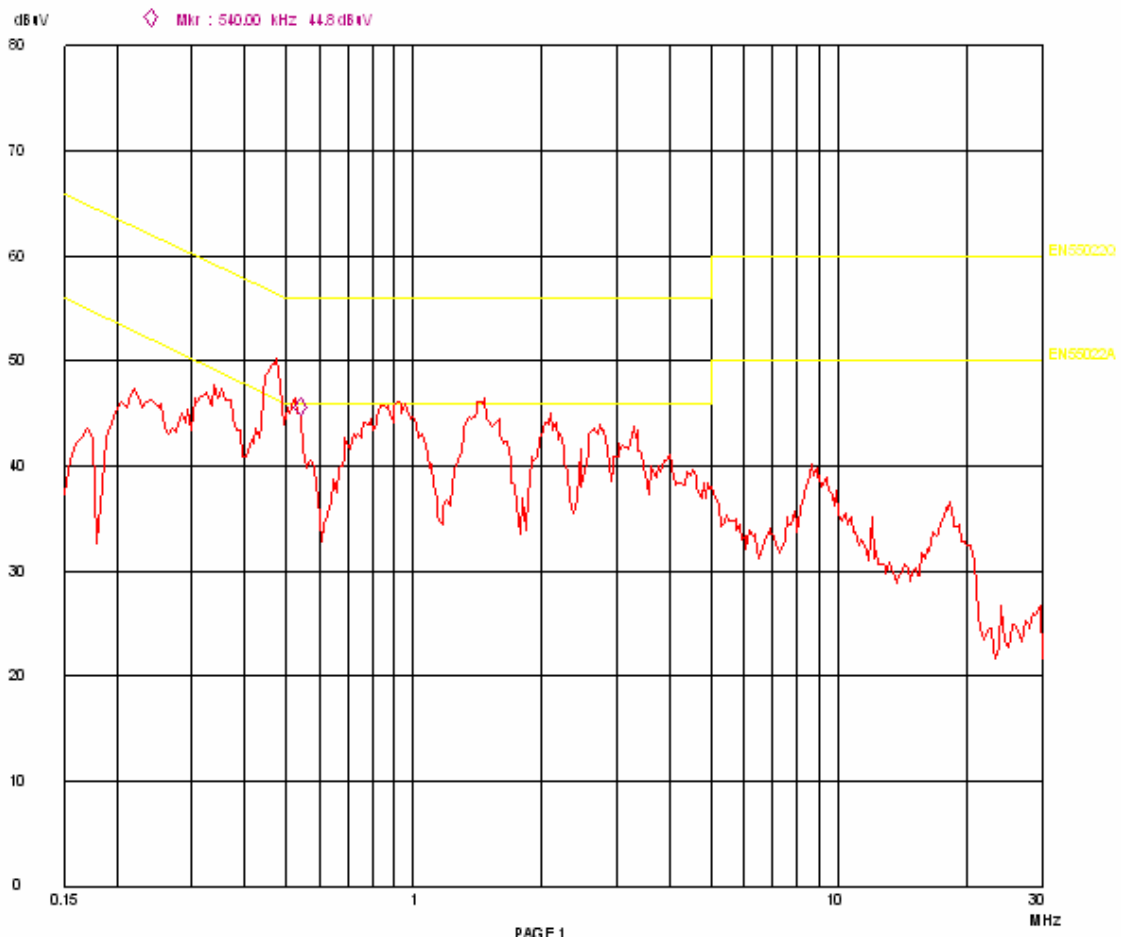
**EUT set Condition: USB**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Line	Reading(dBµV)		Limit(dBµV)	
		Quasi-peak	Average	Quasi-peak	Average
0.320	Live	44.10	30.40	59.70	49.70
0.475	Live	47.10	33.90	56.40	46.40
0.915	Live	41.10	28.70	56.00	46.00
1.465	Live	41.40	30.30	56.00	46.00

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**F: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

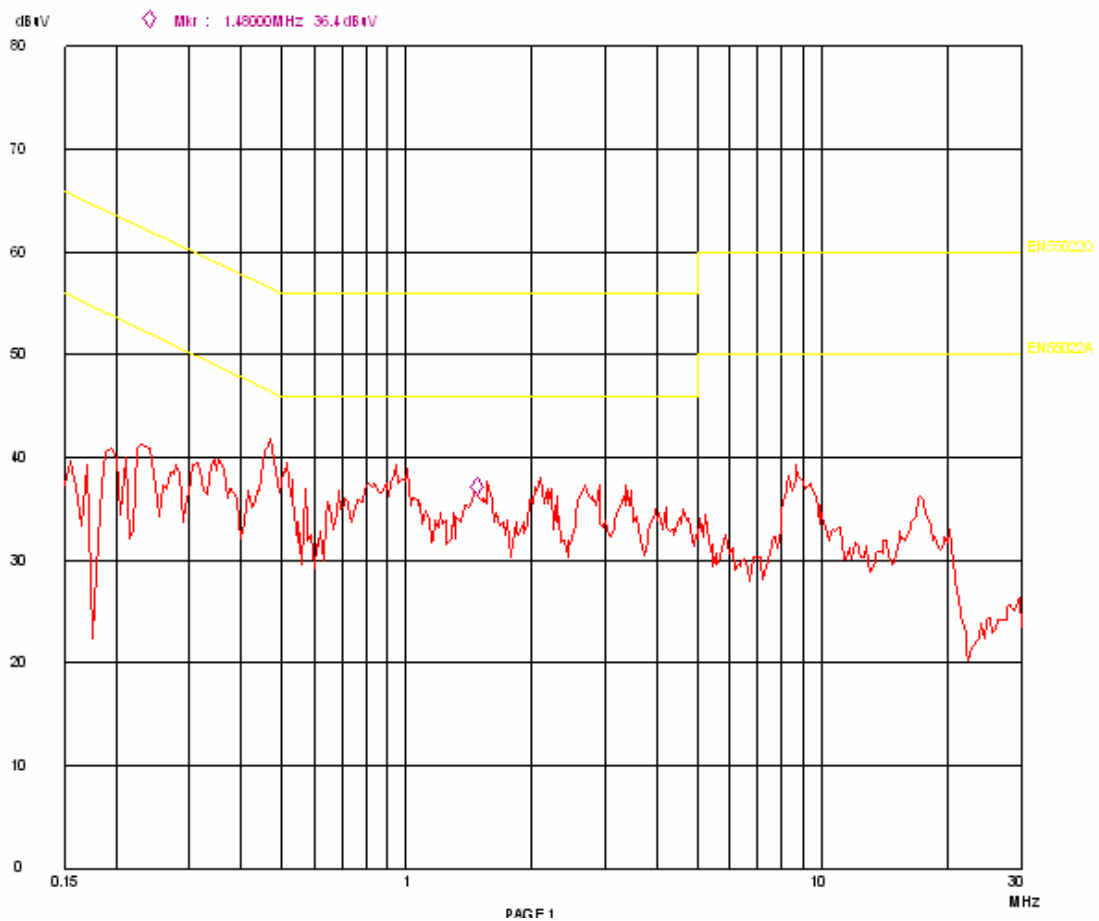
**EUT set Condition: USB**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Line	Reading(dBµV)		Limit(dBµV)	
		Quasi-peak	Average	Quasi-peak	Average
0.470	Neutral	56.50	25.60	56.50	46.50
0.940	Neutral	34.10	22.80	56.00	46.00
2.105	Neutral	32.70	22.50	56.00	46.00
8.665	Neutral	29.30	18.20	60.00	50.00

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**G: Conducted Emission on Live Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

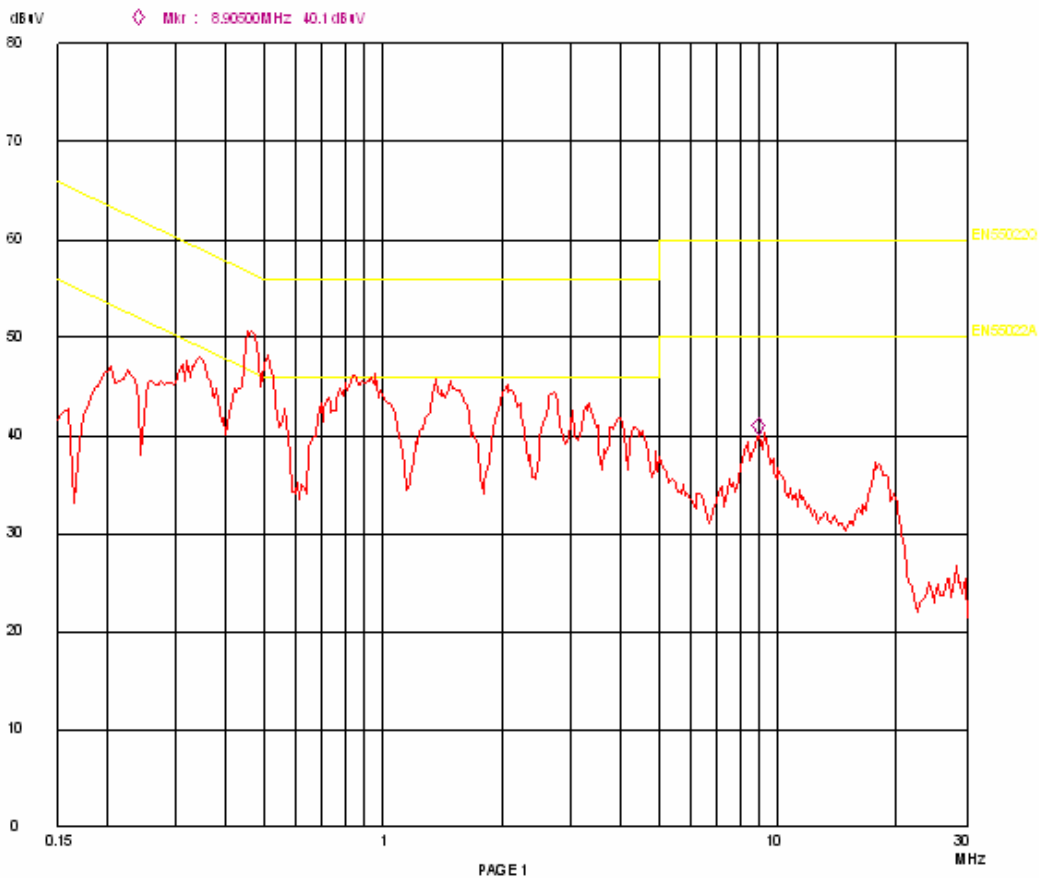
**EUT set Condition: SD**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Line	Reading(dBµV)		Limit(dBµV)	
		Quasi-peak	Average	Quasi-peak	Average
0.340	Live	45.30	31.70	59.20	49.20
0.465	Live	47.90	35.00	56.60	46.60
0.960	Live	41.40	29.80	56.00	46.00
1.475	Live	41.00	30.40	56.00	46.00
2.065	Live	41.20	30.50	56.00	46.00

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**H: Conducted Emission on Neutral Terminal (150kHz to 30MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

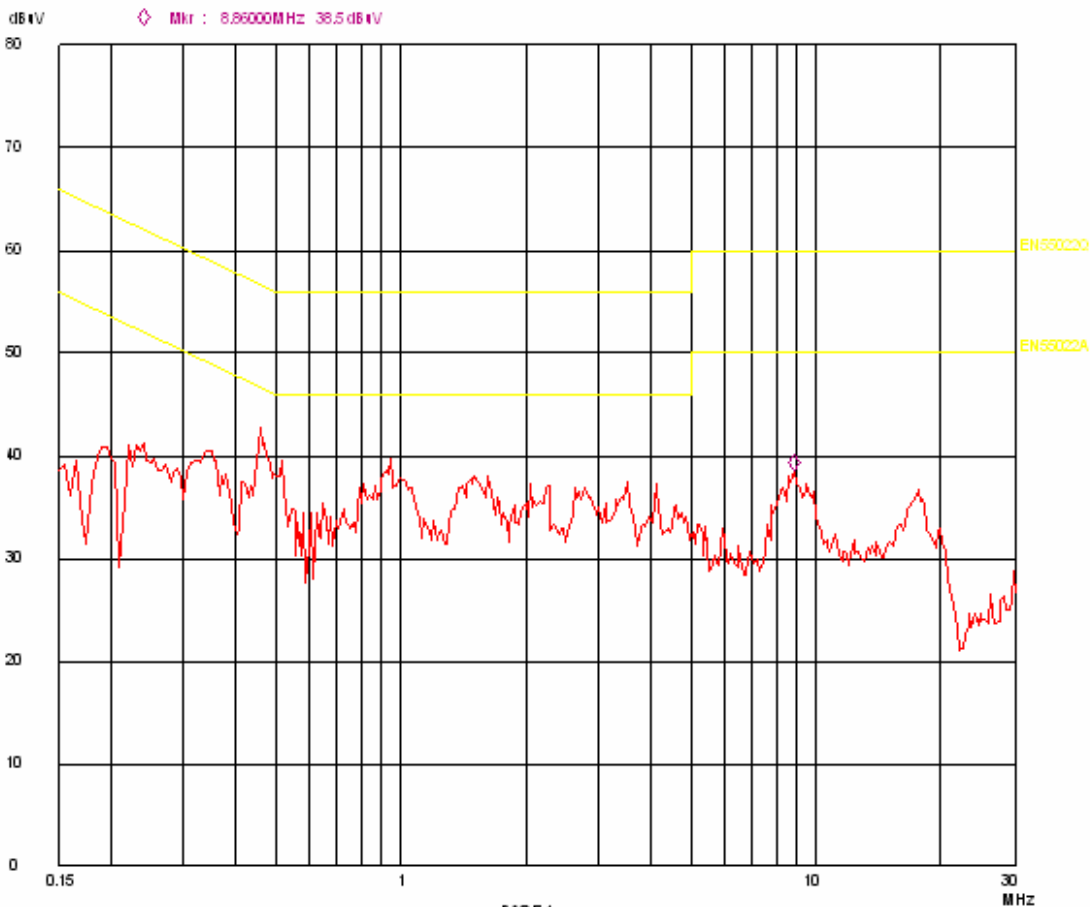
**EUT set Condition: SD**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Line	Reading(dBµV)		Limit(dBµV)	
		Quasi-peak	Average	Quasi-peak	Average
0.460	Neutral	39.00	27.70	56.70	46.70
0.940	Neutral	33.90	22.50	56.00	46.00
4.110	Neutral	28.10	15.80	56.00	46.00
8.860	Neutral	31.70	20.70	60.00	50.00

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**5.0 Radiated Disturbance Test**

5.1 Schematics of the test

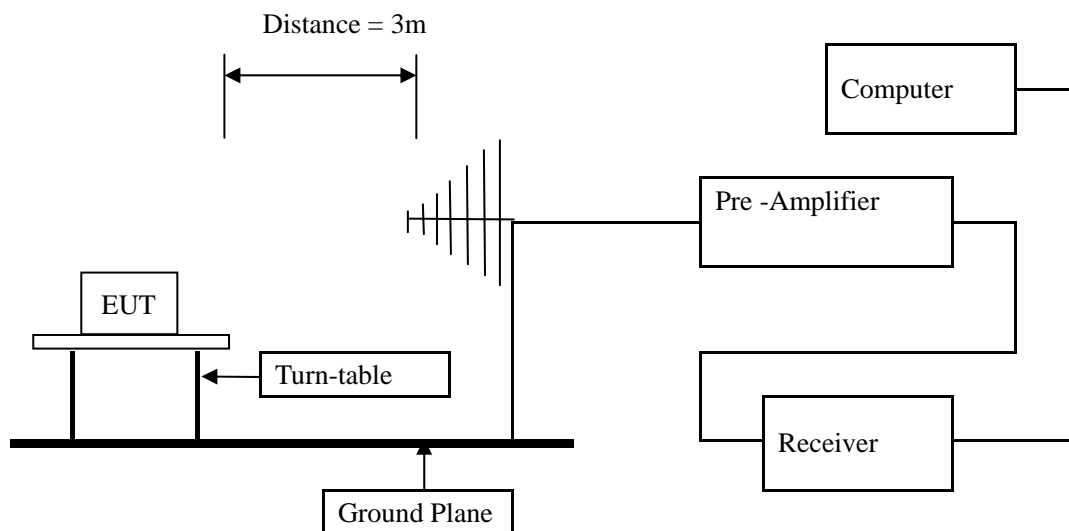


5.2 Test Method and test Procedure:

The EUT was tested according to ANSI C63.4 –2003, The frequency spectrum from 30MHz to 1GHz was investigated. All reading from 30MHz to 1GHz are quasi-peak 0values with a resolution bandwidth of 120KHz. All readings are above 1GHz, peak values with a resolution bandwidth of 1MHz. Measurements were made at 3 meters.

Test Voltage: 120V~, 60Hz

**Block diagram of Test setup**



5.3 Radiated Emission Limit

Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
30-88	3	40.00
88-216	3	43.50
216-960	3	46.00
Above 960	3	54.00

Note: The lower limit shall apply at the transition frequencies

5.4 Test result

The frequency spectrum from 30MHz to 1GHz was investigated. All reading from 30MHz to 1GHz are quasi-peak values with a resolution bandwidth of 120kHz. All readings are above 1GHz, peak values with a resolution bandwidth of 1MHz. Measurements were made at 3 meters.

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**A: Radiated Disturbance (30MHz---1000MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Play memory**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

File :DF08011-13-XXX-FCC

Data :#2

Date: 10/05/19/

Time: 9/54/01

80.0 dBuV/m



Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBμV/m)
134.275	33.18	H	43.50
371.925	38.96	H	46.00
597.450	37.40	H	46.00

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**B: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Play memory**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBμV/m)
139.125	37.15	V	43.50
795.063	36.12	V	46.00

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**C: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Play SD**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBμV/m)
374.350	39.32	H	46.00
624.125	42.16	H	46.00
725.975	40.94	H	46.00
861.775	42.47	H	46.00

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**D: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature:25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Play SD**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dB $\mu$ V/m)	Antenna Polarity	Limit@3m (dB $\mu$ V/m)
131.850	34.36	V	43.50
822.975	40.86	V	46.00
895.725	42.13	V	46.00

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**E: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Play USB**

Adaptor used for test :Model No.: ZDA050150EU

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

File :DF08011-13-XXX-FCC

Data :#16

Date: 10/05/19/

Time: 16/03/35

80.0 dBuV/m



Frequency (MHz)	Level@3m (dB $\mu$ V/m)	Antenna Polarity	Limit@3m (dB $\mu$ V/m)
362.225	41.86	H	46.00
483.475	41.52	H	46.00
720.050	42.10	H	46.00
960.625	42.88	H	54.00

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**F: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Play USB**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBμV/m)
30.000	36.34	V	40.00
483.475	36.57	V	46.00
721.125	37.69	V	46.00

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**G: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Connect to PC**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dB $\mu$ V/m)	Antenna Polarity	Limit@3m (dB $\mu$ V/m)
146.400	36.96	H	43.50
214.300	38.69	H	43.50
602.300	42.83	H	46.00
747.800	42.16	H	46.00
803.575	42.40	H	46.00
856.925	42.84	H	46.00

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**H: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

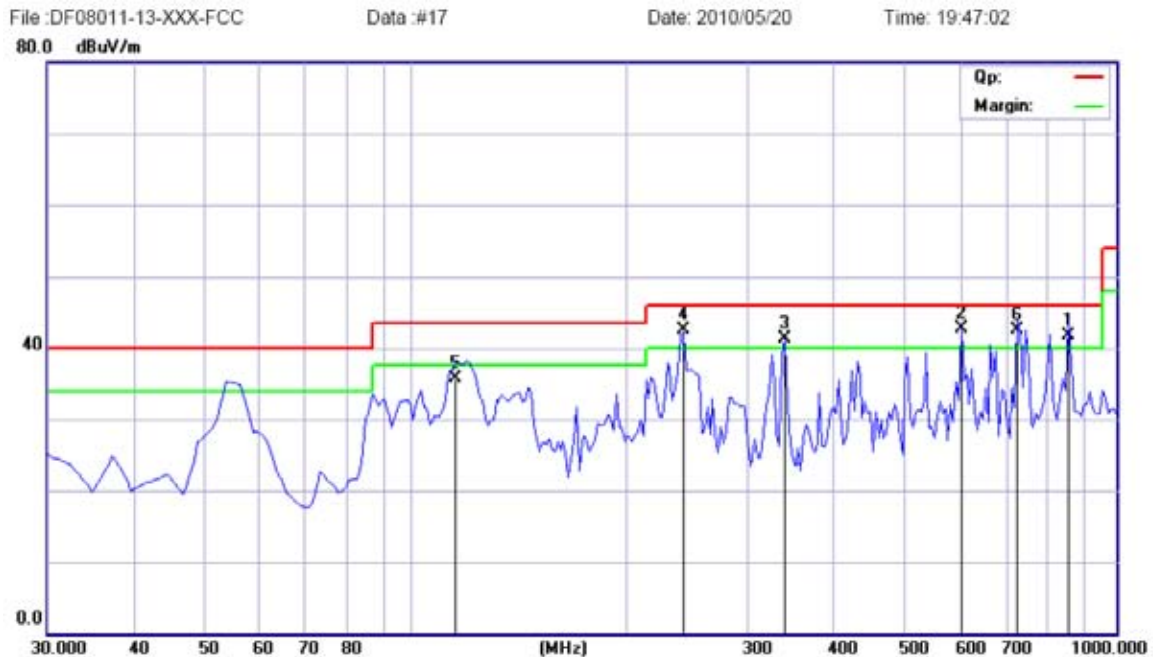
**EUT set Condition: Connect to PC**

**Adaptor used for test :Model No.: ZDA050150EU**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dB $\mu$ V/m)	Antenna Polarity	Limit@3m (dB $\mu$ V/m)
854.397	41.62	V	46.00
602.300	42.78	V	46.00
337.975	41.33	V	46.00
243.400	42.41	V	46.00
114.875	35.72	V	43.500
723.550	42.52	V	46.00

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**I: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Connect to PC**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

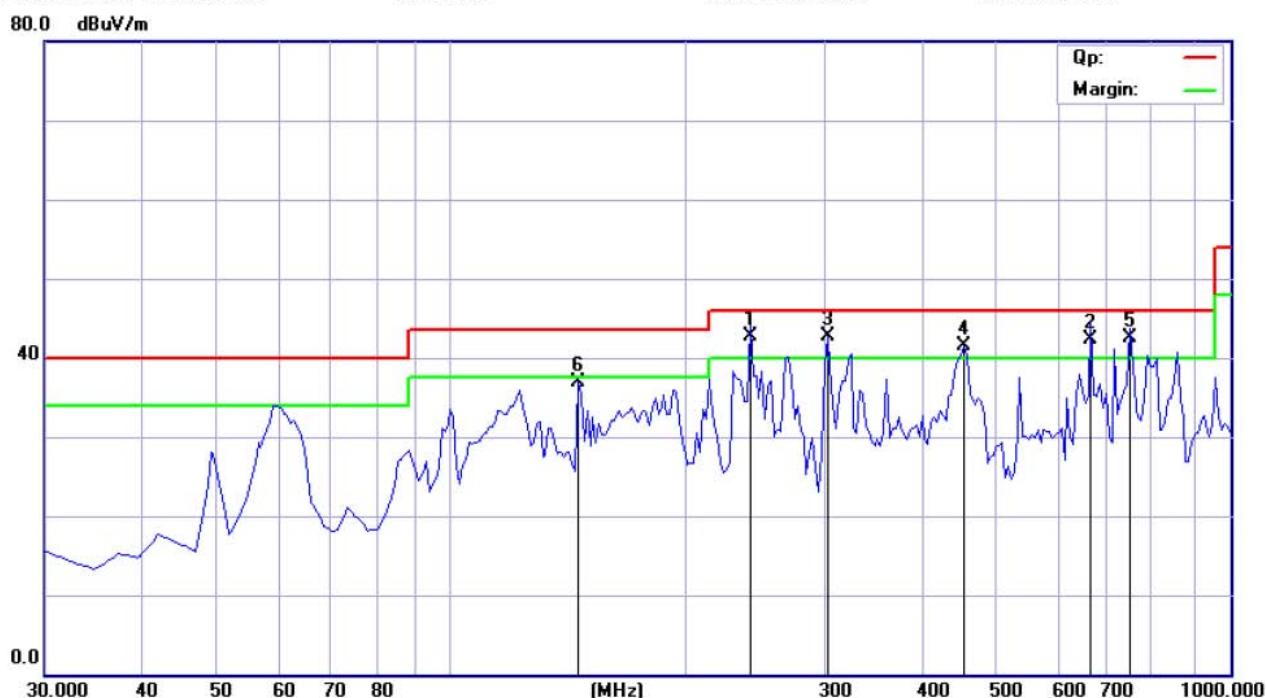
Please refer to following diagram for individual

File :DF08011-13-XXX-FCC

Data :#19

Date: 2010/05/20

Time: 20:21:15



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
243.400	42.76	H	46.00
662.925	42.34	H	46.00
304.025	42.72	H	46.00
454.375	41.51	H	46.00
747.800	42.47	H	46.00
146.400	36.96	H	43.50

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**J: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Connect to PC**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBμV/m)
117.300	36.00	V	43.50
243.400	42.58	V	46.00
304.025	42.14	V	46.00
602.300	42.56	V	46.00
662.925	42.56	V	46.00
856.925	42.86	V	46.00

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**K: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Play Memory**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBμV/m)
376.775	38.45	H	46.00

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**L: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Play Memory**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
44.550	26.63	V	40.00
439.825	32.46	V	46.00

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**M: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Play USB**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual

File :DF08011-13-XXX-FCC

Data :#23

Date: 2010/05/20

Time: 21:15:07

80.0 dB $\mu$ V/m



Frequency (MHz)	Level@3m (dB $\mu$ V/m)	Antenna Polarity	Limit@3m (dB $\mu$ V/m)
291.900	40.96	H	46.00
386.475	42.04	H	46.00
723.550	40.06	H	46.00

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**N: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C Humidity: 75%RH Atmospheric Pressure: 101 KPa

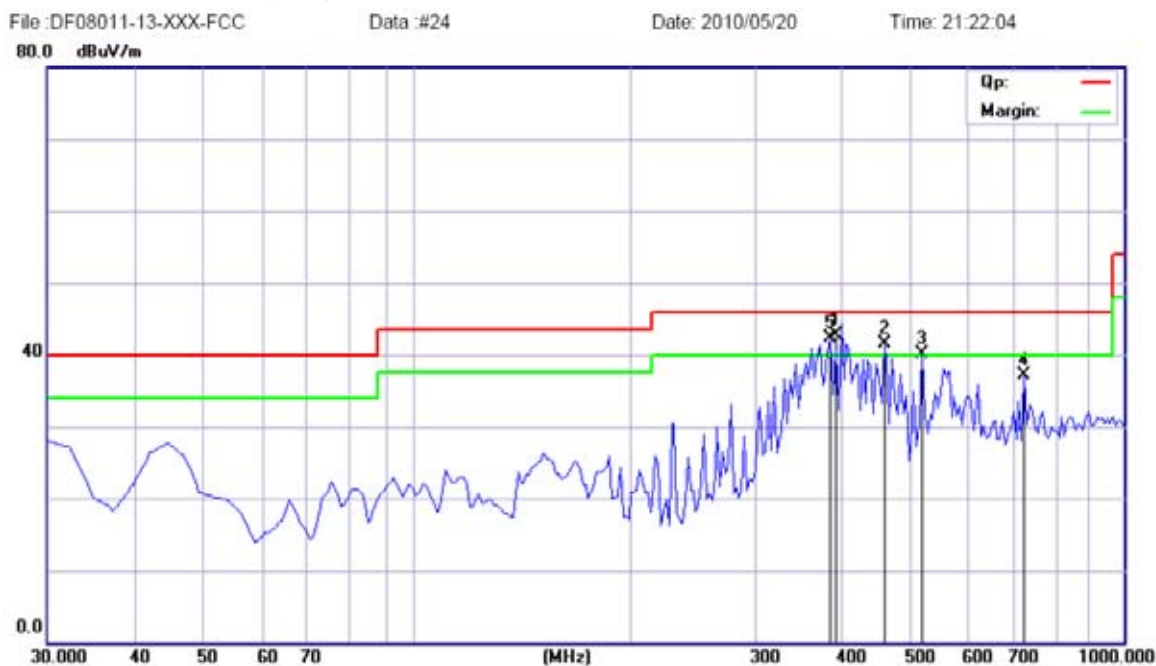
**EUT set Condition: Play USB**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBμV/m)
396.027	42.73	V	46.00
459.225	41.60	V	46.00
519.850	40.06	V	46.00
723.550	37.11	V	46.00
376.475	42.39	V	46.00

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**O: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Play SD**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBµV/m)	Antenna Polarity	Limit@3m (dBµV/m)
715.756	42.98	H	46.00
670.200	42.58	H	46.00
774.475	41.34	H	46.00
376.775	39.69	H	46.00
243.400	37.40	H	46.00

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**P: Radiated Disturbance (30MHz----1000MHz)**

**EUT Operating Environment**

Temperature: 25°C      Humidity: 75%RH      Atmospheric Pressure: 101 KPa

**EUT set Condition: Play SD**

**Adaptor used for test: Model No.: XKD-C1500IC5.0-12W**

**Equipment Level: Class B**

**Results: Pass**

Please refer to following diagram for individual



Frequency (MHz)	Level@3m (dBμV/m)	Antenna Polarity	Limit@3m (dBμV/m)
721.776	39.50	V	46.00
679.900	39.31	V	46.00
767.200	38.39	V	46.00
631.400	37.00	V	46.00

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## 6.0 FCC Label

### **FCC ID: V37-LIBAR8DNAUO**

**This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.**

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

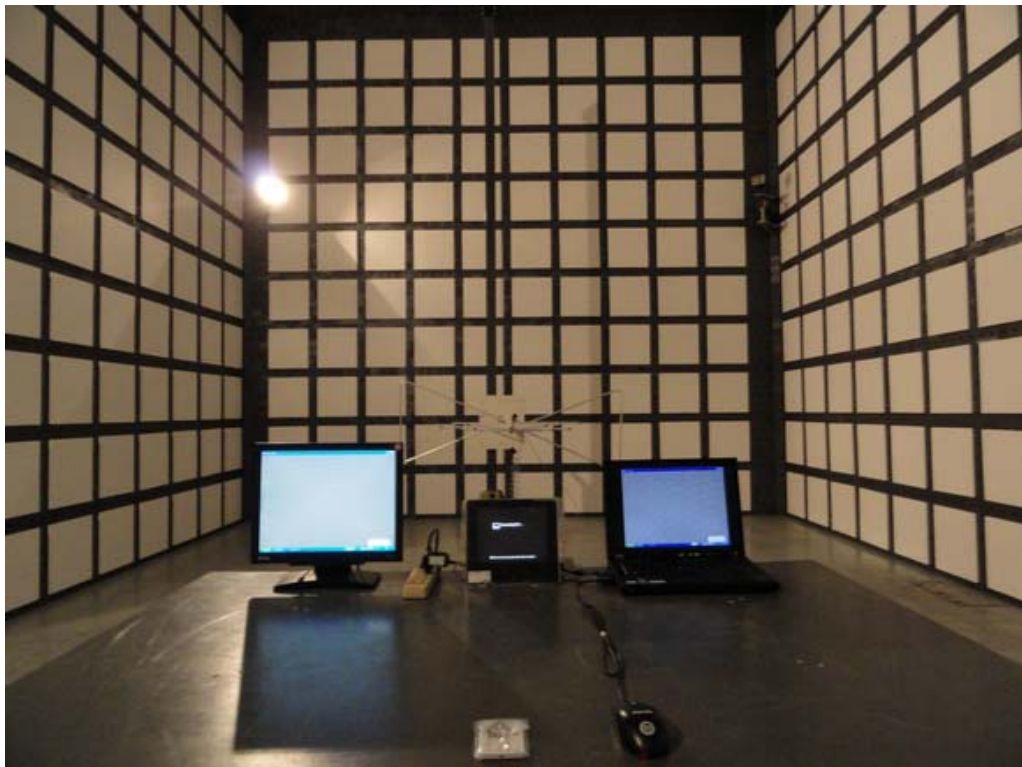
**Mark Location: On the product body**



- 7.0 Photo of testing
- 7.1 Conducted test View--



- 7.2 Radiated emission test view--



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7.3 Photo for the EUT

Front View



Back View



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Interior View



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Interior View



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Adaptor:



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USB Cable



**-End of the report-**

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