



Test report

Client Name : Zhejiang Liying Medical Technology Co., Ltd

Address : Room 511, Building 4, Boduo Sengo, 18 Jinheng Road, Yuhang District, Hangzhou, Zhejiang 311113, China

Manufacturer : Zhejiang Liying Medical Technology Co., Ltd

Address : Room 511, Building 4, Boduo Sengo, 18 Jinheng Road, Yuhang District, Hangzhou, Zhejiang 311113, China

Product Name : High-Speed Multi-Channel Signal Transmission and Acquisition Platform

Date : 2026-03-31



CCCS Testing (Shenzhen) Co., Ltd

D4dvVru

HPebd8y

**TEST REPORT**

FCC Part 15:2019 Class B

Report	
Report reference No.	: ZR0331193629
Tested by (signature)	: 
Reviewed by (signature)	: 
Approved by (signature)	: 
Date of issue	: 2026-03-31
Testing laboratory	
Name	: CCCS Testing (Shenzhen) Co., Ltd
Address	: Unit 201 East, Building 12, Zhonghisense Innovation Industrial City, No. 12, Ganli liulu, Gankeng , Jihua Jihua Subdistrict, Longgang District, Shenzhen, Guangdong, China
Test location	: Same as above
Client	
Name	: Zhejiang Liying Medical Technology Co., Ltd
Address	: Room 511, Building 4, Boduo Sengo, 18 Jinheng Road, Yuhang District, Hangzhou, Zhejiang 311113, China
Test specification	
Standard	: FCC Part 15:2019 Class B
Non-standard test method	: N.A.
Test item	
Description	: High-Speed Multi-Channel Signal Transmission and Acquisition Platform
Brand	: LY Cancare 利影科技
Model No.	: LY-R256/260x2
Series Model	: LY-R256/260x2-AMP、LY-R256/260-MUX、LY-R256/408、LY-R256/408-AMP、LY-R256/408-MUX、LY-R256/360、LY-R256/360-AMP、LY-R256/360-MUX、LY-R128/260、LY-R128/260-AMP、LY-R128/260-MUX
Manufacturer	: Zhejiang Liying Medical Technology Co., Ltd
Address	: Room 511, Building 4, Boduo Sengo, 18 Jinheng Road, Yuhang District, Hangzhou, Zhejiang 311113, China

List of Attachments (including a total number of pages in each attachment):

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Summary of testing:
Tests performed (name of test and test clause):

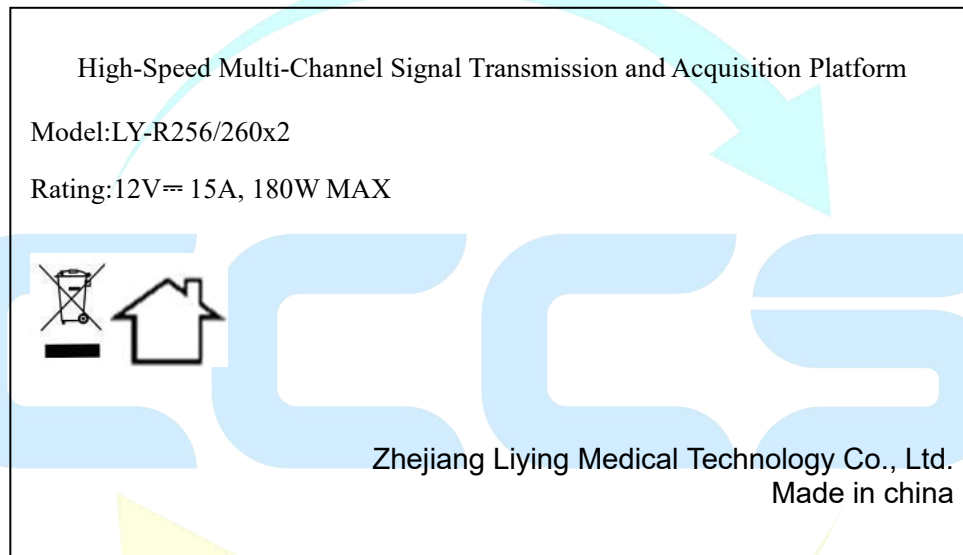
The submitted samples were tested and found to comply with the requirements of: European group difference and national differences

Testing location:

CCCS Testing (Shenzhen) Co., Ltd
Unit 201 East, Building 12, Zhonghisense Innovation Industrial City, No. 12, Ganli liulu, Gankeng , Jihua Jihua Subdistrict, Longgang District, Shenzhen, Guangdong, China

Summary of compliance with National Differences:

☒ The product fulfils the requirements of FCC Part 15:2019 Class B

Copy of marking plate

Note:

As declared by the applicant the authorized EEA representative or importer was not decided at the time of application, but will be marked on the products before placing them on the market.

Note: According to when placing the products on the market the authorized representative / importer within the European Economic Area (EEA) must be marked on the product if the manufacturer is not located within the EEA. Marking on the packaging is only acceptable if it is not possible to place such markings on the product.



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**TEST REPORT DECLARATION**

Applicant	:	Zhejiang Liying Medical Technology Co., Ltd.
Address	:	Room 511, Building 4, Boduo Sengo, 18 Jinheng Road, Yuhang District, Hangzhou, Zhejiang 311113, China
EUT Description	:	High-Speed Multi-Channel Signal Transmission and Acquisition Platform





1. GENERAL INFORMATION

1.1. Report information

- 1.1.1. This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that CCCS approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that CCCS in any way guarantees the later performance of the product/equipment.
- 1.1.2. The sample/s mentioned in this report is/are supplied by Applicant, CCCS therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.
- 1.1.3. Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through CCCS, unless the applicant has authorized CCCS in writing to do so.

1.2. Test Facility

The test site used to collect the data is located on the address of
CCCS Testing (Shenzhen) Co., Ltd

Unit 201 East, Building 12, Zhonghisense Innovation Industrial City, No. 12, Ganli liulu, Gankeng , Jihua Jihua Subdistrict, Longgang District, Shenzhen, Guangdong, China

The Test Site is constructed and calibrated to meet the FCC requirements.

1.3. Test Uncertainty

(95% confidence levels, $k=2$)

Test Item	Uncertainty
Uncertainty for Conduction emission test	2.2dB
Uncertainty for Radiation emission test (30MHz to 1GHz)	4.0dB



2. PRODUCT DESCRIPTION

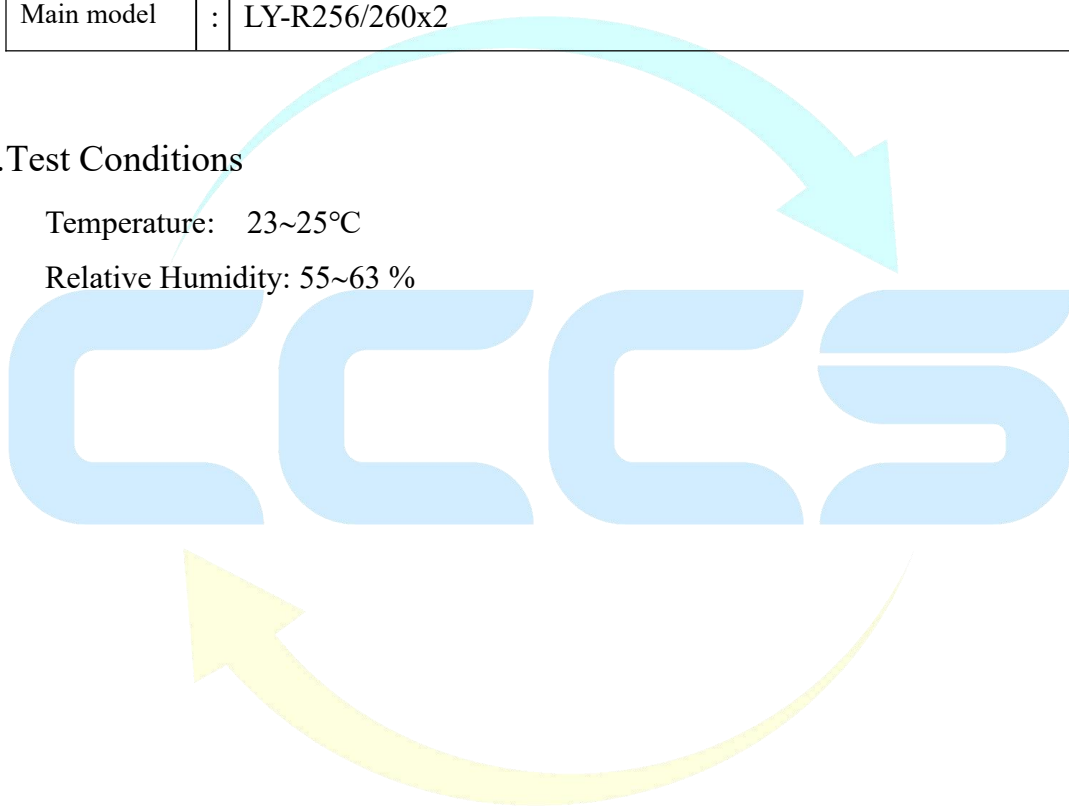
2.1.EUT Description

Description	:	High-Speed Multi-Channel Signal Transmission and Acquisition Platform
Applicant	:	Zhejiang Liying Medical Technology Co., Ltd. Room 511, Building 4, Boduo Sengo, 18 Jinheng Road, Yuhang District, Hangzhou, Zhejiang 311113, China
Manufacturer	:	Zhejiang Liying Medical Technology Co., Ltd. Room 511, Building 4, Boduo Sengo, 18 Jinheng Road, Yuhang District, Hangzhou, Zhejiang 311113, China
Main model	:	LY-R256/260x2

2.2.Test Conditions

Temperature: 23~25°C

Relative Humidity: 55~63 %





3. TEST RESULTS SUMMARY

Table 1 Test Results Summary

Test Items	Test Results
Conducted disturbance	Pass
Radiated disturbance	Pass

Remark: “N/A” means “Not applicable.”





4. TEST EQUIPMENT USED

4.1. For Conducted Emission Test

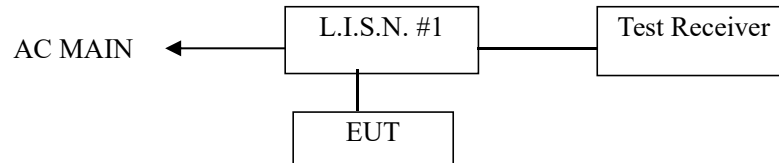
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESHS30	828985/018	Oct. 11, 25	1 Year
2.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	Oct. 11, 25	1 Year
3.	L.I.S.N.	Rohde & Schwarz	ESH2-Z5	834549/005	Oct. 11, 25	1 Year
4.	Conical	Emtek	N/A	N/A	N/A	N/A
5.	Voltage Probe	Schwarzbeck	TK9416	N/A	Oct. 11, 25	1 Year
6.	Coaxial Switch	Anritsu	MP59B	6100214550	Oct. 11, 25	1 Year

4.2. For Radiated Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	ANRITSU	MS2661C	6200140915	Oct. 11, 25	1 Year
2.	Test Receiver	Rohde&Schwarz	ESC830	828982/018	Oct. 11, 25	1 Year
3.	Bilog Antenna	Schwarzbeck	VULB9163	142	Oct. 11, 25	1 Year
4.	50 Coaxial Switch	Anritsu Corp	MP59B	6100237248	Oct. 11, 25	1 Year
5.	Cable	Schwarzbeck	AK9513	ACRX1	Oct. 11, 25	1 Year
6.	Cable	Rosenberger	N/A	FR2RX2	Oct. 11, 25	1 Year
7.	Cable	Schwarzbeck	AK9513	CRRX2	Oct. 11, 25	1 Year
8.	Cable	Schwarzbeck	AK9513	CRRX2	Oct. 11, 25	1 Year
9.	Single Phase Power Line Filter	MPE	23332C	N/A	Oct. 11, 25	1 Year
10.	Single Phase Power Line Filter	MPE	23333C	N/A	Oct. 11, 25	1 Year
11.	Signal Generator	HP	864A	3625U00573	Oct. 11, 25	1 Year

5. CONDUCTED EMISSION TEST

5.1. Block Diagram of Test Setup



(EUT: High-Speed Multi-Channel Signal Transmission and Acquisition Platform)

5.2. Test Standard

FCC Part 15:2019 Class B

5.3. Conducted Emission Limit(Class B)

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.

5.4. EUT Configuration on Test

The following equipments are instal LY-R256/260x2 lithium battery style electric spray gun on conducted emission test to meet Part 15 requirement and operating in a manner, which tends to maximize its emission characteristics in a normal application.

5.4.1. EUT Information

Model Number: LY-R256/260x2
 Serial Number: LY-R256/260x2-AMP、LY-R256/260-MUX、LY-R256/408、LY-R256/408-AMP、LY-R256/408-MUX、LY-R256/360、LY-R256/360-AMP、LY-R256/360-MUX、LY-R128/260、LY-R128/260-AMP、LY-R128/260-MUX

5.5. Operating Condition of EUT

5.5.1. Setup the EUT and simulators as shown in Section 5.1.

5.5.2. Turn on the power of all equipments.

5.5.3. Let the EUT work in test modes (On) and test it.

5.6.Test Procedure

The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI test receiver is used to test the emissions form both sides of AC line. The bandwidth of EMI test receiver is set at 9kHz.

The bandwidth of the test receiver is set at 9kHz.

5.7.Test Result

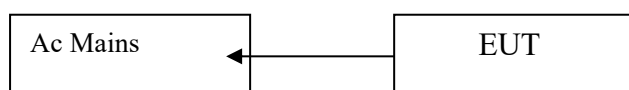
PASS



6. RADIATED EMISSION MEASUREMENT

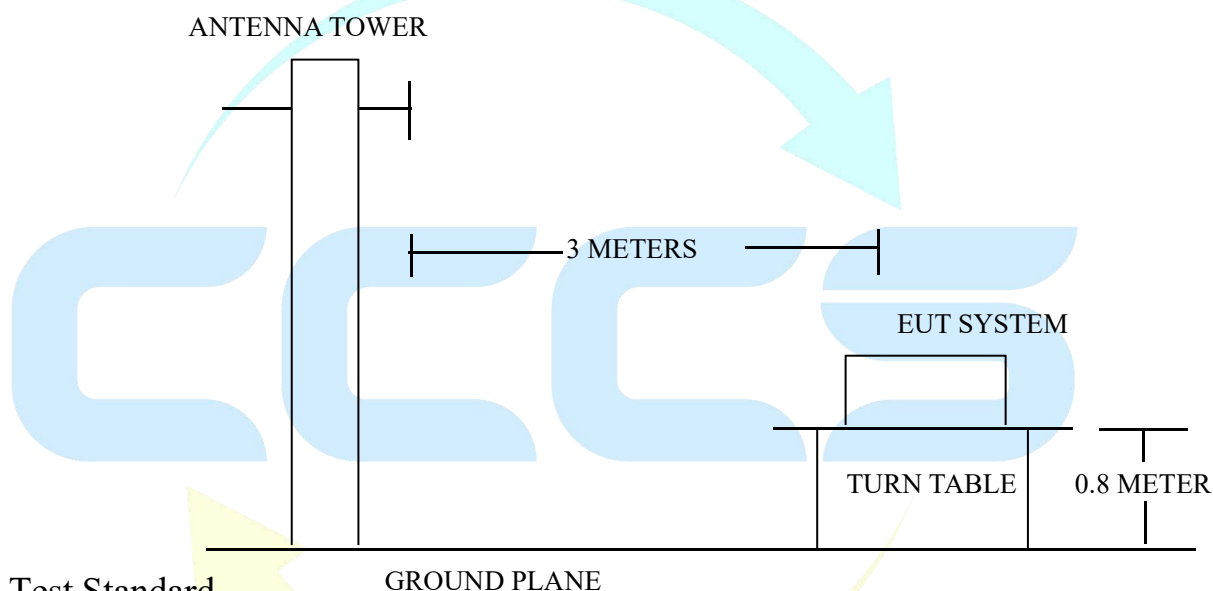
6.1. Block Diagram of EUT Configuration

6.1.1. Block Diagram of connection between the EUT and the simulators



(EUT: High-Speed Multi-Channel Signal Transmission and Acquisition Platform)

6.1.2. Semi-Anechoic Chamber Test Setup Diagram



6.2. Test Standard

FCC Part 15:2019 Class B

6.3. Radiated Emission Limit(Class B)

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dB μ V/m)
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0

Note:(1) The smaller limit shall apply at the edge between two frequency bands.

(2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the EUT or system.



6.4.EUT Configuration on Test

The following equipment are instal LY-R256/260x2 lithium battery style electric spray gun on Radiated Emission Measurement to meet the Commission requirements and operating regulations in a manner which tends to maximize Its emission characteristics in normal application.

6.5.Operating Condition of EUT

6.5.1.Setup the EUT as shown on Section 6.1.2

6.5.2.Turn on the power of all equipments.

6.5.3.Let the EUT work in test mode(On) and measure it.

6.6.Test Procedure

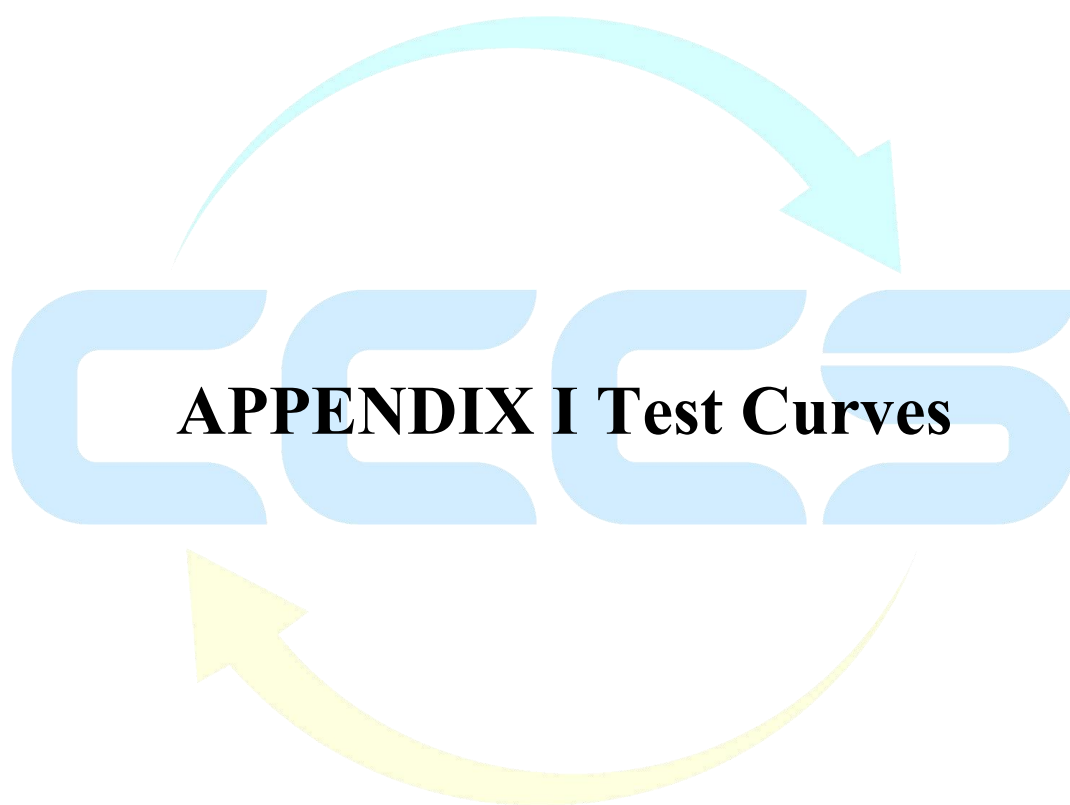
The EUT is placed on a turn table which is 0.8 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can move up and down between 1 to 4 meters to find out the maximum emission level. Broadband antenna (calibrated by dipole antenna) are used as a receiving antenna. Both horizontal and vertical polarization of the antenna are set on measurement.

The bandwidth setting on the test receiver is 120 KHz.

The EUT is tested in Semi-Anechoic Chamber. The frequency range from 30MHz to 1000 MHz is checked.All the test results are listed in Section 6.7. and all the scanning waveform are attached within **Appendix I**.

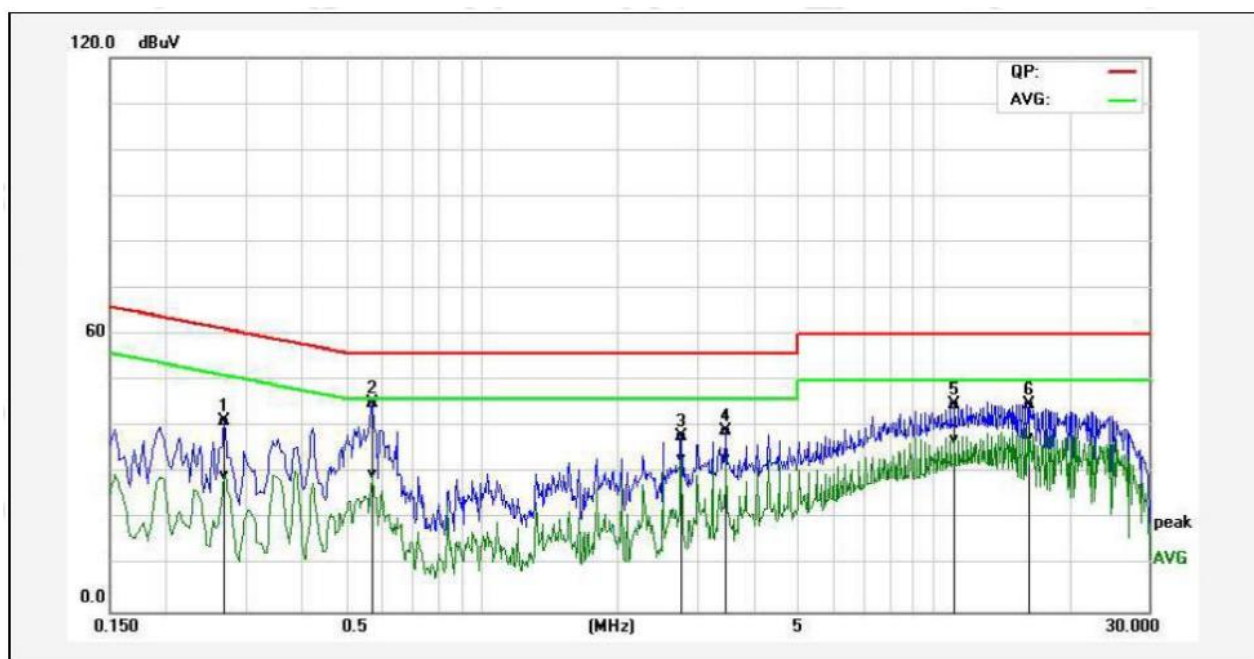
6.7.Test Result

PASS





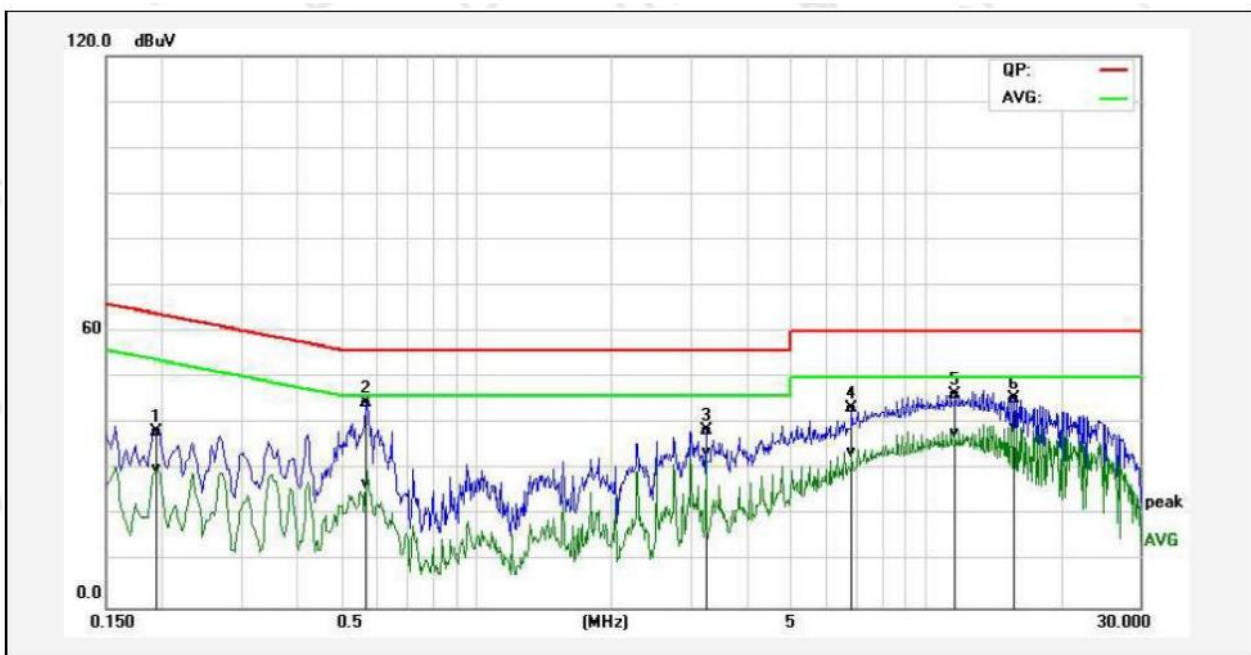
EUT:	High-Speed Multi-Channel Signal Transmission and Acquisition Platform	Model No.:	LY-R256/260x2
Temperature:	24.1 °C	Relative Humidity:	55%
Test Power:	/	Test Result:	Pass
Test Mode:	ON		



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1P	0.2700	30.41	18.80	10.77	41.18	29.57	61.12	51.12	-19.94	-21.55	Pass
2*	0.5740	34.45	19.10	10.82	45.27	29.92	56.00	46.00	-10.73	-16.08	Pass
3P	2.7660	26.65	22.04	11.26	37.91	33.30	56.00	46.00	-18.09	-12.70	Pass
4P	3.4860	27.81	21.82	11.46	39.27	33.28	56.00	46.00	-16.73	-12.72	Pass
5P	11.1740	30.93	23.23	14.06	44.99	37.29	60.00	50.00	-15.01	-12.71	Pass
6P	16.2260	28.83	21.48	16.04	44.87	37.52	60.00	50.00	-15.13	-12.48	Pass



EUT:	High-Speed Multi-Channel Signal Transmission and Acquisition Platform	Model No.:	LY-R256/260x2
Temperature:	24.1 °C	Relative Humidity:	55%
Test Power:	/	Test Result:	Pass
Test Mode:	ON		



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1P	0.1940	27.52	19.24	10.83	38.35	30.07	63.86	53.86	-25.51	-23.79	Pass
2P	0.5700	33.70	15.93	10.82	44.52	26.75	56.00	46.00	-11.48	-19.25	Pass
3P	3.2460	27.28	22.43	11.40	38.68	33.83	56.00	46.00	-17.32	-12.17	Pass
4P	6.8540	31.02	21.52	12.31	43.33	33.83	60.00	50.00	-16.67	-16.17	Pass
5P	11.6620	32.14	23.60	14.35	46.49	37.95	60.00	50.00	-13.51	-12.05	Pass



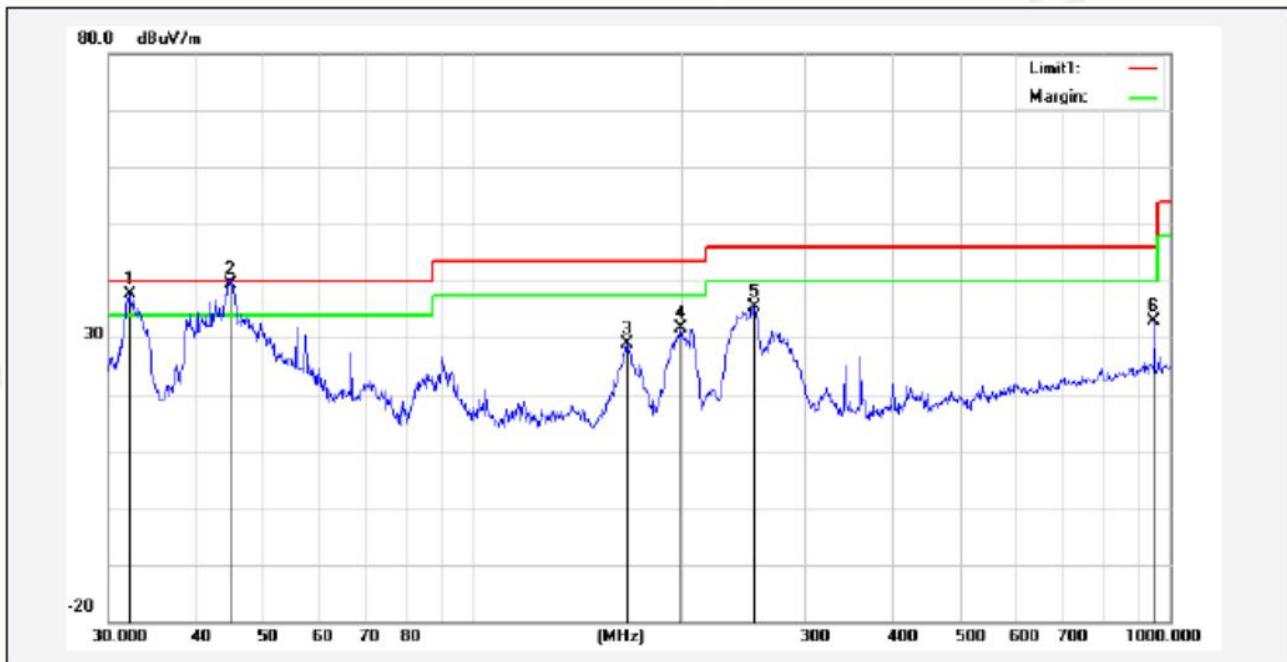
EUT:	High-Speed Multi-Channel Signal Transmission and Acquisition Platform	Model No.:	LY-R256/260x2
Temperature:	24.1 °C	Relative Humidity:	55%
Test Power:	/	Test Result:	Pass
Test Mode:	ON		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1*	32.9791	46.05	-9.48	36.57	40.00	-3.43			peak
2	43.9658	43.74	-17.64	26.10	40.00	-13.90			peak
3	104.1701	38.71	-18.27	20.44	43.50	-23.06			peak
4	205.6750	46.07	-17.39	28.68	43.50	-14.82			peak
5	255.6230	54.92	-16.93	37.99	46.00	-8.01			peak



EUT:	High-Speed Multi-Channel Signal Transmission and Acquisition Platform	Model No.:	LY-R256/260x2
Temperature:	24.1 °C	Relative Humidity:	55%
Test Power:	/	Test Result:	Pass
Test Mode:	ON		



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1!	32.1794	46.47	-8.86	37.61	40.00	-2.39			peak
2*	44.9004	57.77	-18.32	39.45	40.00	-0.55			QP
3	166.0680	46.21	-17.23	28.98	43.50	-14.52			peak
4	198.5880	48.96	-17.23	31.73	43.50	-11.77			peak
5	253.8367	52.53	-17.08	35.45	46.00	-10.55			peak
6	948.7610	39.07	-6.15	32.92	46.00	-13.08			peak



APPENDIX II (Photos of the EUT)



Appendix for photo



**** END OF REPORT ****