

Report No.:

TW2210208-02E

Applicant:

Nanjing Magewell Electronics CO., Ltd.

Product:

Video Encoder

Model No.:

Director Mini

Trademark:

N/A

Test Standards:

FCC Part 15.249

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10 & FCC Part 15 Subpart C,

Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility



Manager

Dated:

November 21, 2022

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 TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



Date: 2022-11-21



Page 2 of 40

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 17025:2017 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

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.: 744189.

Industry Canada (IC) —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number: 5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

39

Report No.: TW2210208-02E

Date: 2022-11-21



Test Report Conclusion

Content General Details 1.0 1.1 Test Lab Details.... 1.2 Applicant Details. 4 1.3 Description of EUT 1.4 Submitted Sample. 4 1.5 Test Duration. 5 Test Uncertainty. 5 1.6 1.7 Test By..... 5 List of Measurement Equipment..... 2.0 3.0 Technical Details..... 7 3.1 Summary of Test Results.... 7 Test Standards.... 7 3.2 4.0 EUT Modification. Power Line Conducted Emission Test. 5.0 8 5.1 Schematics of the Test.... 5.2 Test Method and Test Procedure. 8 5.3 Configuration of the EUT..... 5.4 EUT Operating Condition. 9 Conducted Emission Limit. 5.5 9 5.6 Test Result. 6.0 Radiated Emission test..... 12 Test Method and Test Procedure. 6.1 12 Configuration of the EUT..... 6.2 13 6.3 EUT Operation Condition. 13 6.4 Radiated Emission Limit. 13 6.5 Test Result.... 15 23 **7.0** Band Edge..... 7.1 Test Method and Test Procedure.... 23 Radiated Test Setup.... 7.2 23 7.3 Configuration of the EUT..... 23 7.4 EUT Operating Condition. 23 7.5 Band Edge Limit. 23 7.6 Band Edge Test Result. 24 Antenna Requirement..... 8.0 28 20dB bandwidth measurement. 9.0 29 10.0 FCC ID Label.... 38

The report refers only to the sample tested and does not apply to the bulk.

11.0

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Photo of Test Setup and EUT View.

Date: 2022-11-21



Page 4 of 40

1.1 General Details

1.2 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.3 Applicant Details

Applicant: Nanjing Magewell Electronics CO., Ltd.

Address: 14th Floor, Building 3, No.89 Shengli Road, Jiangning Economic and Technological

Development Zone, Nanjing, China.

Telephone: --Fax: --

1.3 Description of EUT

Product: Video Encoder

Manufacturer: Nanjing Magewell Electronics CO., Ltd.

Address: 14th Floor, Building 3, No.89 Shengli Road, Jiangning Economic and

Technological Development Zone, Nanjing, China.

Trademark: N/A

Model Number: Director Mini

Additional Model Name N/A

Rating: Input: DC12V, 1.5A, 18W Power Supply: Model:PA1015-120IB150

Input: 100-240V~, 50/60Hz, 0.4A; Output: DC12V, 1.5A, 18W Max

Modulation Type: GFSK, Л/4D-QPSK and 8DPSK for Bluetooth

Operation Frequency: 2402-2480MHz

Channel Number: 79
Channel Separation: 1MHz

Serial No.: A511221018001

Antenna Designation FPC antenna with gain 3.0dBi Max (Get from the antenna specification)

1.4 Submitted Sample: 2 Samples

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Report No.: TW2210208-02E Page 5 of 40

Date: 2022-11-21



1.5 Test Duration

2022-10-21 to 2022-11-21

1.6 Test Uncertainty

Conducted Emissions Uncertainty = 3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty = 6.0dB

Occupied Channel Bandwidth Uncertainty = 5%

Conducted Emissions Uncertainty = 3.6dB

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Print Name: Andy Xing

Page 6 of 40

Report No.: TW2210208-02E

Date: 2022-11-21



2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2022-07-15	2023-07-14
LISN	R&S	EZH3-Z5	100294	2022-07-18	2023-07-17
LISN	R&S	EZH3-Z5	100253	2022-07-18	2023-07-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2022-07-18	2023-07-17
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2022-07-15	2023-07-14
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2024-07-17
Power meter	Anritsu	ML2487A	6K00003613	2022-07-18	2023-07-17
Power sensor	Anritsu	MA2491A	32263	2022-07-18	2023-07-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2022-07-15	2023-07-14
EMI Test Receiver	RS	ESCS 30	834115/006	2022-07-15	2023-07-14
Spectrum	HP/Agilent	E4407B	MY50441392	2022-07-15	2023-07-14
Spectrum	RS	FSP	1164.4391.38	2022-07-15	2023-07-14
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2022-07-15	2023-07-14
RF Cable	Zhengdi	7m		2022-07-15	2023-07-14
Pre-Amplifier	Schwarebeck	BBV9743	#218	2022-07-15	2023-07-14
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2022-07-15	2023-07-14
LISN	SCHAFFNER	NNB42	00012	2022-08-18	2023-07-17
ESPI Test Receiver	R&S	ESPI 3	100379	2022-07-15	2023-07-14
LISN	R&S	EZH3-Z5	100294	2022-07-18	2023-07-17

2.2 Automation Test Software

For Conducted Emission Test

Name	Version	
EZ-EMC	Ver.EMC-CON 3A1.1	

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Page 7 of 40 Report No.: TW2210208-02E

Date: 2022-11-21



3.1 **Technical Details**

3.2 **Summary of test results**

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies

3.3 **Test Standards**

FCC Part 15 Subpart C, Paragraph 15.249, ANSI C63.4:2014 and ANSI C63.10:2013

4.1 **EUT Modification**

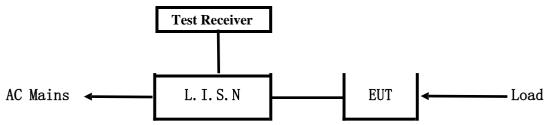
No modification by SHENZHEN TIMEWAY TESTINGLABORATORIES

Date: 2022-11-21



5. Power Line Conducted Emission Test

5.1 Schematics of the test

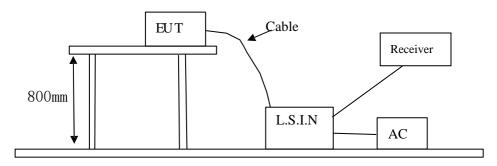


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Test Voltage: 120V, 60Hz Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.4-2014. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

79 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
Video Encoder	Nanjing Magewell Electronics CO., Ltd.	Director Mini	2AP6W-ENCODER5511

Report No.: TW2210208-02E Page 9 of 40

Date: 2022-11-21



B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

5.4 EUT Operating Condition

Operating condition is according to ANSIC63.10-2013

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Limits (dB µ V)					
(MHz)	Quasi-peak Level	Average Level				
0.15 ~ 0.50	66.0~56.0*	56.0~46.0*				
$0.50 \sim 5.00$	56.0	46.0				
5.00 ~ 30.00	60.0	50.0				

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

2. The tighter limit shall apply at the transition frequencies

5.6 Test Results:

Date: 2022-11-21



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

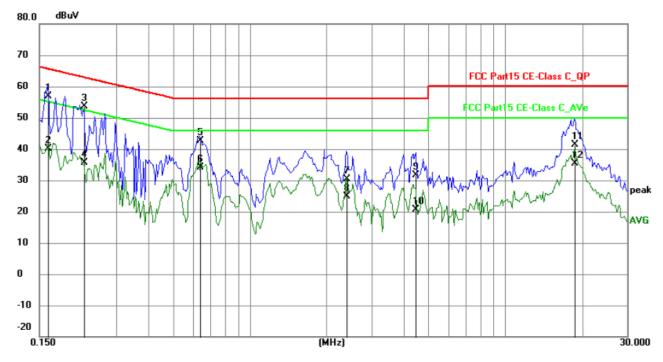
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep BT Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1617	47.13	9.78	56.91	65.38	-8.47	QP	Р
2	0.1617	30.35	9.78	40.13	55.38	-15.25	AVG	Р
3	0.2241	43.81	9.75	53.56	62.67	-9.11	QP	Р
4	0.2241	25.86	9.75	35.61	52.67	-17.06	AVG	Р
5	0.6375	32.80	9.78	42.58	56.00	-13.42	QP	Р
6	0.6375	24.41	9.78	34.19	46.00	-11.81	AVG	Р
7	2.3847	20.67	9.82	30.49	56.00	-25.51	QP	Р
8	2.3847	14.94	9.82	24.76	46.00	-21.24	AVG	Р
9	4.4547	21.60	9.91	31.51	56.00	-24.49	QP	Р
10	4.4547	10.63	9.91	20.54	46.00	-25.46	AVG	Р
11	18.6975	30.70	10.60	41.30	60.00	-18.70	QP	Р
12	18.6975	24.75	10.60	35.35	50.00	-14.65	AVG	Р

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Date: 2022-11-21



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

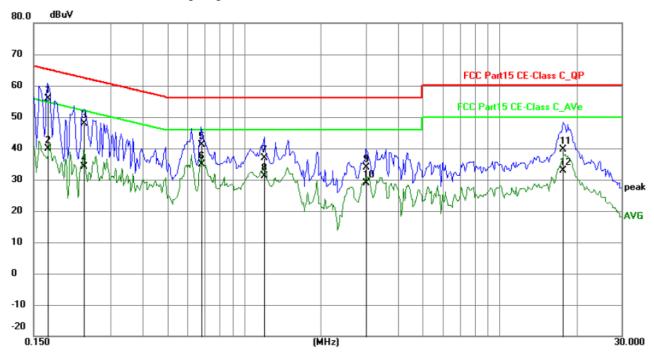
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keep BT Transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1695	46.22	9.77	55.99	64.98	-8.99	QP	Р
2	0.1695	30.12	9.77	39.89	54.98	-15.09	AVG	Р
3	0.2358	38.17	9.75	47.92	62.24	-14.32	QP	Р
4	0.2358	24.44	9.75	34.19	52.24	-18.05	AVG	Р
5	0.6804	31.35	9.78	41.13	56.00	-14.87	QP	Р
6	0.6804	25.15	9.78	34.93	46.00	-11.07	AVG	Р
7	1.1991	27.19	9.79	36.98	56.00	-19.02	QP	Р
8	1.1991	21.46	9.79	31.25	46.00	-14.75	AVG	Р
9	3.0000	24.13	9.84	33.97	56.00	-22.03	QP	Р
10	3.0000	19.12	9.84	28.96	46.00	-17.04	AVG	Р
11	17.6679	29.16	10.54	39.70	60.00	-20.30	QP	Р
12	17.6679	22.23	10.54	32.77	50.00	-17.23	AVG	Р

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Date: 2022-11-21

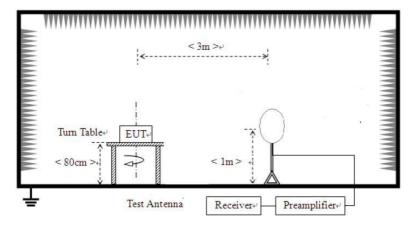


6 Radiated Emission Test

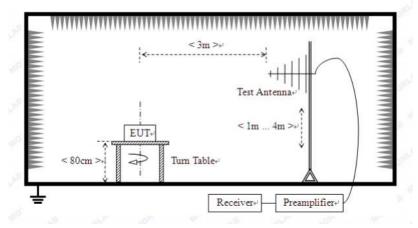
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz (Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to1GHz



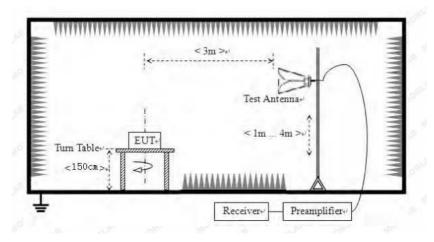
The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Date: 2022-11-21



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT

 Same as section 5.3 of this report
- 6.3 EUT Operating Condition

 Same as section 5.4 of this report.
- 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency Field Street		ld Strength of Fundamental (3m)			trength of Harmo	onics (3m)
(MHz)	mV/m	dBuV/m		uV/m	dBu	V/m
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)

Note: 1. RF Field Strength $(dBuV) = 20 \log RF \text{ Voltage } (uV)$

- 2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

The report refers only to the sample tested and does not apply to the bulk.

Page 14 of 40

Report No.: TW2210208-02E

Date: 2022-11-21



B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Frequency Range (MHz)	Distance (m)	Field strength (dB µ V/m)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-80	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
- 5. The three modulation modes of GFSK, Pi/4D-QPSK, and 8DPSK were tested. And only the worst case was recorded in the test report. 8DPSK was the worst case.

Report No.: TW2210208-02E Page 15 of 40

Date: 2022-11-21

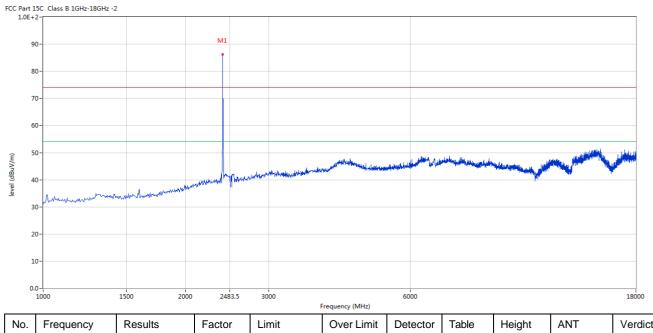


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402MHz

Horizontal



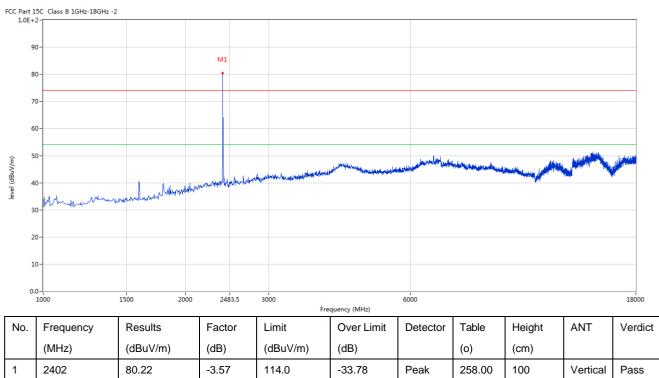
Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
	1	2402	87.11	-3.57	114.0	-26.89	Peak	102.00	100	Horizontal	Pass

Page 16 of 40 Report No.: TW2210208-02E

Date: 2022-11-21



Vertical



				***	y ()					
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	80.22	-3.57	114.0	-33.78	Peak	258.00	100	Vertical	Pass

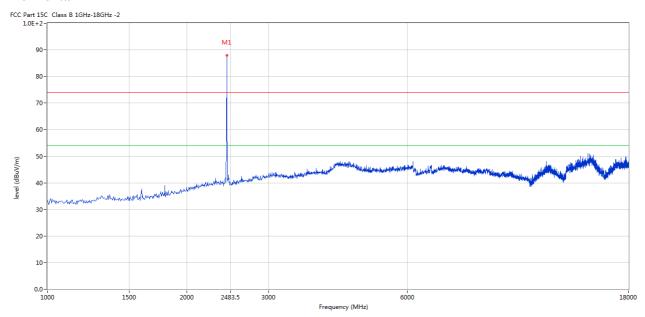
Page 17 of 40 Report No.: TW2210208-02E

Date: 2022-11-21



Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



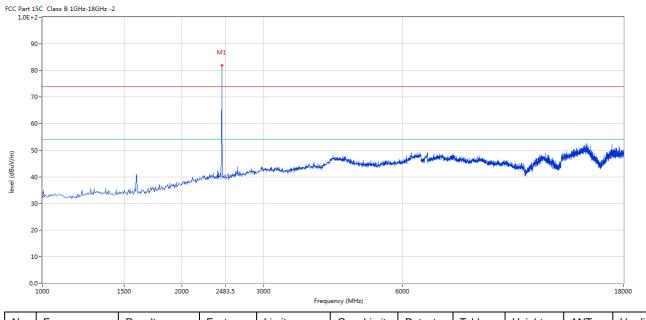
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2441	87.90	-3.57	114.0	-26.1	Peak	272.00	100	Horizontal	Pass

Page 18 of 40 Report No.: TW2210208-02E

Date: 2022-11-21



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	81.84	-3.57	114.0	-32.16	Peak	324.00	100	Vertical	Pass

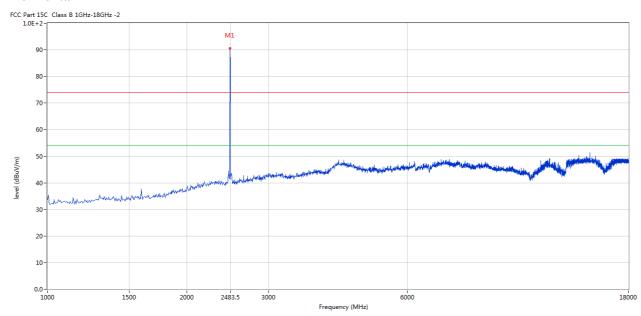
Page 19 of 40 Report No.: TW2210208-02E

Date: 2022-11-21



Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



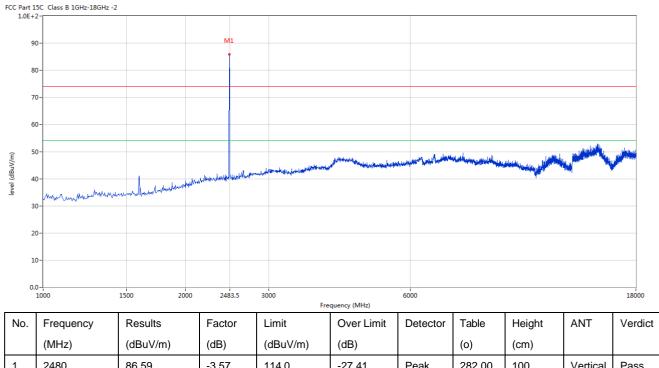
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	90.56	-3.57	114.0	-23.44	Peak	269.00	100	Horizontal	Pass

Page 20 of 40 Report No.: TW2210208-02E

Date: 2022-11-21



Vertical



86.59 Peak 282.00 Vertical Pass 2480 -3.57 114.0 -27.41 100

Note: (1) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

- (2) Margin=Emission-Limits
- (3) According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (4) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, It is only the floor noise and less than the limit for more than 20dB. No necessary to take down.
- (6) the measured PK value less than the AV limit.

Report No.: TW2210208-02E Page 21 of 40

Date: 2022-11-21

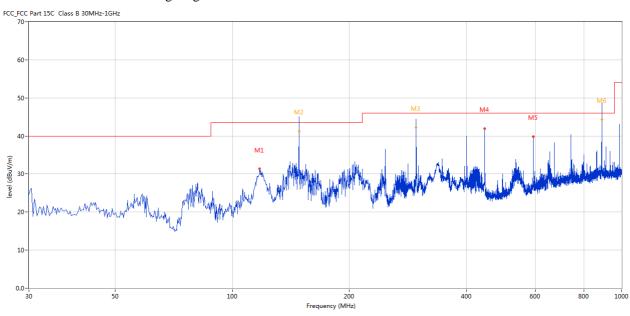


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	117.521	31.32	-14.90	43.5	-12.18	Peak	360.00	100	Horizontal	Pass
2	148.310	45.05	-17.16	43.5	1.55	Peak	360.00	100	Horizontal	N/A
2*	148.310	41.27	-17.16	43.5	-2.23	QP	360.00	100	Horizontal	Pass
3	296.683	44.43	-11.04	46.0	-1.57	Peak	55.00	100	Horizontal	Pass
3*	296.683	42.18	-11.04	46.0	-3.82	QP	55.00	100	Horizontal	Pass
4	445.056	41.88	-7.99	46.0	-4.12	Peak	231.00	100	Horizontal	Pass
5	593.429	39.80	-5.22	46.0	-6.20	Peak	206.00	100	Horizontal	Pass
6	890.175	48.77	-1.89	46.0	2.77	Peak	189.00	100	Horizontal	N/A
6*	890.175	44.34	-1.89	46.0	-1.66	QP	189.00	100	Horizontal	Pass

Report No.: TW2210208-02E Page 22 of 40

Date: 2022-11-21

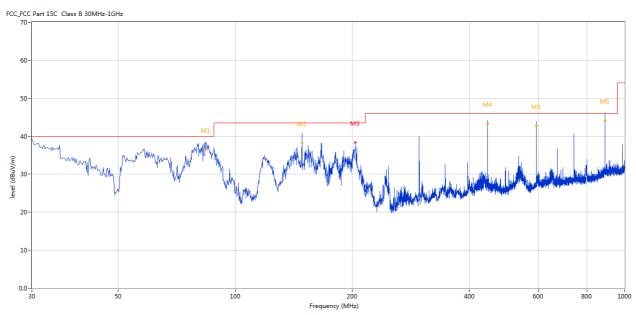


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	84.064	38.48	-16.72	40.0	-1.52	Peak	324.00	100	Vertical	Pass
1*	84.064	36.49	-16.72	40.0	-3.51	QP	324.00	100	Vertical	Pass
2	148.310	40.89	-17.16	43.5	-2.61	Peak	274.00	100	Vertical	Pass
2*	148.310	38.20	-17.16	43.5	-5.30	QP	274.00	100	Vertical	Pass
3	203.587	38.34	-13.48	43.5	-5.16	Peak	324.00	100	Vertical	Pass
4	445.056	44.19	-7.99	46.0	-1.81	Peak	167.00	100	Vertical	Pass
4*	445.056	43.34	-7.99	46.0	-2.66	QP	167.00	100	Vertical	Pass
5	593.429	43.95	-5.22	46.0	-2.05	Peak	126.00	100	Vertical	Pass
5*	593.429	42.71	-5.22	46.0	-3.29	QP	126.00	100	Vertical	Pass
6	890.175	46.20	-1.89	46.0	0.20	Peak	316.00	100	Vertical	N/A
6*	890.175	44.22	-1.89	46.0	-1.78	QP	316.00	100	Vertical	Pass

Date: 2022-11-21

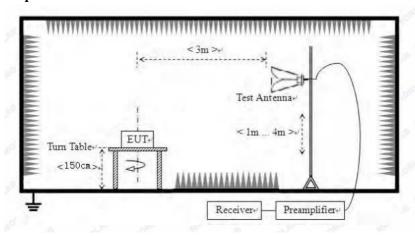


7. Band Edge

7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

7. 2 Radiated Test Setup



For the actual test configuration, please refer to the related items – Photos of Testing

7.3 Configuration of The EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

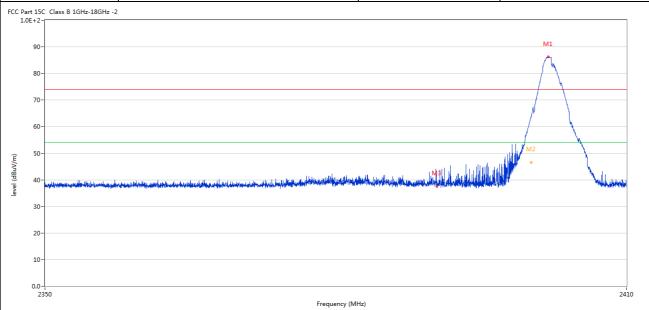
Page 24 of 40 Report No.: TW2210208-02E

Date: 2022-11-21



7.6 Test Result

Product:	Video Encoder	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	120V~
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2401.827	86.18	-3.57	74.0	12.18	Peak	269.00	100	Horizontal	N/A
2	2400.042	63.51	-3.57	74.0	-10.49	Peak	269.00	100	Horizontal	Pass
2**	2400.042	46.49	-3.57	54.0	-7.51	AV	269.00	100	Horizontal	Pass
3	2390.250	37.43	-3.53	74.0	-36.57	Peak	209.00	100	Horizontal	Pass

Page 25 of 40 Report No.: TW2210208-02E



I	Product:		Video E	Incoder		Detect	or		Vertical	
	Mode]	Keeping Tr	ansmitting		Test Vol	tage		120V~	
Te	mperature		24 de	g. C,		Humid	ity		56% RH	
Te	st Result:		Pa	SS						
C Part 1: 1.0E+2	5C Class B 1GHz-18GHz	-2			•					
90)-							М	1	
80)-							Ţ	(
70)-								1	
60)-									
50									$\overline{}$	
	,					МВ	والأناء والمستون	M2	1	
40		لمراطعا المهوني أرهوا ويبارهم يومراطعه	المواسب الموسود استهداد المستعداد	and here the bound before the best		A PART BEALT OF THE PARTY OF TH	MANAPHANIANI	in in the second	WHA.	harilitaria
30)-									
20)-									
10)-									
-										
0.0)- 2350			r.	equency (MHz)					2410
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdic
NU.	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)	Detector	(o)	(cm)	AINI	veruit
1	2401.887	79.95	-3.57	74.0	5.95	Peak	259.00	100	Vertical	N/A
	2401.887	55.81		74.0				100		
2			-3.57	+	-18.19	Peak	259.00		Vertical	Pass
2**	2400.042	38.79	-3.57	54.0	-15.21	AV	259.00	100	Vertical	Pass
3	2390.040	40.27	-3.53	74.0	-33.73	Peak	302.00	100	Vertical	Pass

Page 26 of 40 Report No.: TW2210208-02E



	Product:		Vid	leo Encoder			Polari	ty	Horizo	ntal
	Mode		Keepin	ıg Transmitti	ng		Test Vol	tage	120V	'~
Тє	emperature		2	4 deg. C,			Humid	ity	56% F	RH
Т	est Result:			Pass						
2 Part 1	15C Class B 1GHz-18GHz	: -2								
g	90-		M1							
ç	80-									
			/							
7	70 -			1						
6	50-									
		متخفيظ المال								
5	50-	مستغليقه التلال المال		M2	To a sile					
5	40-	AND THE RESERVE OF THE PARTY OF		M2		had hiji ha edir di	manda en	eral de la little de la companya de	ili di salah da kalanda	i thpup rotofic
4	50 - 40	A STATE OF THE STA		M2	The state of the s	te de la constitución de la cons	ooseald or the state of the law.	ed de stitutul en e politicis	ilydirentinishadildirilyashiringiyadi	i tty y rei it i
4		A STATE OF THE STA		M2	Marin	in the last training to the last training training to the last training	oossaldigastaandijidalka	ed de cittled ed a politica	all the second and th	
3	20-	A STATE OF THE STA		M2			oodsindaga kanga ti dilaba.	ned he sticked on a bridge of	ikati yakunda ini Malika ya pinina yika di	
4 3 2	20-			M2		kitalija gelavi intiplikati od an	nestrialis en registra de la la companya de la comp		all de contract de la	inthy wheel the
4 3 2	20-			M2			nestriality or report plants.	and the state of t	ally der gelte victor der til de	2500
4 3 2 1	20-	Results	Factor		5	Detector	Table	Height	ANT	Г
4 3 2 1	20-		Factor (dB)	2483	5 Frequency (MHz)				ANT	Г
4 3 2	20- 10- 2470 Frequency	Results		2483	5 Frequency (MHz)		Table	Height	ANT Horizontal	2500 Verdic
4 3 2 1 0	20- 10- 2470 Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)		Verdi

Report No.: TW2210208-02E Page 27 of 40

Date: 2022-11-21



]	Product:		Vio	deo Encoder			Detecto	or	Vertic	al
	Mode		Keepii	ng Transmitti	ng		Test Volt	age	120V	~
Te	emperature		2	24 deg. C,			Humidi	ty	56% R	Н
Т	est Result:			Pass						
CC Part 1	15C Class B 1GHz-18GHz 2-	-2						•		
٥	10-		M1							
,			No.	\ <u></u>						
8	30-		√ ·	7						
7	70-									
6	60-		<i></i>							
				- 7						
₌ 5	60-	المستعملها المال		***						
(m/vudb)		is to see the little beautiful to the second		M2	May Should a half the first at a second at	ana da atauta da a	المراق المراقعة المراقع المراقع المراقع المراقع المراقع المراقع المراقع المراقع المر	والماري والمتعادي والمتحار والم والمتحار والمتحار والمتحار والمتحار والمتحار والمتحار والمتحا	Day of the second second second	فالما والمراد والما
m/ngn) ianai	10-ard an head and purk and an alternative and	ALAMA HARAMAN		M2	Maria de la	of the surface of the Adole to produce of the Control of the Contr	inglabajikan prada	ilas del partidada de la constitución de la constit	history and the south family	ida ji ki daka
m/ngn) ianai		in the second se		M2	ith _{armel and the} lighted the strong and the st	of the second second second second	ikadi na kakan da kaka	ildigildigadi yakadabla cad	hindr and Marie Pales and with Annual Pa	ida joʻr-dabid
W/Angp) Javan	10-ard an head and purk and an alternative and	minima di		M2	^{Ma} landa kahilik Miliha dan pada sa	ng ikusang <mark>kapatah Mahab</mark> agai	idag <mark>i, dagidagi sebab</mark> a	ilda ilokudoji plandali kuud	dindrah dindrah dindrah dindrah	alkazy ir nigrak
E/Angp) (4)	0-11-11-11-11-11-11-11-11-11-11-11-11-11	ALL MARKET BERTHAM		M2	Marchaeld Hellich annu lan	igi ilan mandan sidak Mida dikerind	iki gladajil politika da	i Balanduk ya kendele da asari	hindry and the second security of the second security of	ribago in-regioni
3 2 1		inkanteliteliteliteliteliteliteliteliteliteli		M2	Marchaeld Herrich annual de l'	ig kanada Alisahy id	tingh bayikan) sin ah	ittisidekade ji kesibbahasad	halada karanta	ilian ja kanana
# 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		Harand Helding Harange Constitution of the Con		M2 2483.5 Fr	equency (MHz)	gy, then we have shall be help to be	itaglakajikas) Ataak	itakulah, de jeknyi balanni	hally de Marcel phops as the facility of	2500
#/nngp 4		Results	Factor			Detector	Table	Height	ANT	2500 Verdict
# 4 A A A A A A A A A A A A A A A A A A	0-2470		Factor (dB)	Fr	equency (MHz)					
# 4 A A A A A A A A A A A A A A A A A A	00- 00- 00- 00- 00- 00- 00- 00- 00- 00-	Results		Limit	equency (MHz) Over Limit		Table	Height		
(Monago) 4 3 3 3 3 3 3 3 3 3	Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	equency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

2. For Restricted band test, the three modulation modes of GFSK, Pi/4D-QPSK, and 8DPSK were tested. And only the worst case was recorded in the test report. 8DPSK was the worst case.

Report No.: TW2210208-02E Page 28 of 40

Date: 2022-11-21



8.0 Antenna Requirement

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a FPC antenna. The antenna gain is 3.0dBi Max. It fulfills the requirement of this section. Test Result: Pass

Page 29 of 40

Report No.: TW2210208-02E



SK								
Product:	Video Encod	er	Т	est Mode:	Keep transmitting			
Mode	Keeping Transmitting			est Voltage		120V~		
Temperature	24 deg. C,		I	Humidity		56% RH		
Test Result:	Pass			Detector		PF	ζ	
dB Bandwidth	865.73kHz						í	
	Marker 1 [T1 n	idB]	RBW	30 kl	Hz RI	F Att	20 dB	
Ref Lvl	ndB 20.	00 dB	VBW	100 kl	Hz			
10 dBm	BW 865.731462	93 kHz	SWT	8.5 m	s Uı	nit	dBn	n
10				$lacktriangledown_1$	[T1]	-1	.04 dBm].
		1				2.40183	467 GHz	ш
0		No o		ndB	in .	20	.00 dB	1
				BW		5.73146		
10			7	∨ _{T1}	[T1]	-21		1
	\ __\			VT2	[T1]		008 GHz	1
20	TW			VT2 11	[11]		581 GHz	
1MAX						2.40240	701 GHZ	
40				V	Yy .			
50	~				\	m		
60					•	July	why	Ų.
70								
80								
90 Center 2.402) GHz	300 kHz	/			Cn-	ın 3 MHz	

Page 30 of 40

Report No.: TW2210208-02E



GFSK										
Product:		Vid	eo Encode	er		Test Mode:		Keep tra	ansmitting	
Mode		Keepin	g Transmi	tting	7	Test Voltage	:	120V~		
Temperature		2	4 deg. C,			Humidity		56% RH		
Test Result:	Pass			Detector		PK				
20dB Bandwidth		80	65.73kHz							
Ŕ		Marker	1 [T1 r	ndB]	RBW	30 k	Hz R	F Att	20 dB	
Ref Lvl		ndB		.00 dB	VBW					
10 dBm		BW 865	.731462	293 kHz	SWT	8.5 m	us U	nit	dBm	ı
10						v ₁	[T1]	-(.46 dBm	A
				1				2.44083	467 GHz	A
0				\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		ndE	0	20	.00 dB	
					Vh	BW		5.73146		
-10				N	7	∇_{T}	[T1]	-20		
			~)	V _{T2} V _{T2}	2 [T1]		008 GHz	
-20			TA			M2	. [+ +]	2.44140	1581 GHz	
1MAX		^				V				1MA
-30							Ty.			
-40	, ma						V	M		
								W	mbyhun	
-60										
-70										
-80										
-90										
Center 2.	441 GH	Iz		300	kHz/			Spa	an 3 MHz	
Date: 16	.NOV.2	022 13	:11:25							

Page 31 of 40

Report No.: TW2210208-02E



Product:	Vid	eo Encode	r		Test Mode:		Keep tra	nsmitting	
Mode	Keepin	g Transmi	tting		Test Voltage	e	120V~		
Temperature	24 deg. C,				Humidity				
Test Result:		Pass			Detector		F	PK	
0dB Bandwidth	8	65.73kHz							
6	Marker	1 [T1 n	idB]	RB	W 30 k	Hz R	F Att	20 dB	
Ref Lvl	ndB		00 dB	VB					
10 dBm	BM 86	5.731462	93 kHz	SW	T 8.5 n	ns U	nit	dBm	l
10					v ₁	[T1]		.71 dBm	I
			1				2.47983		A
0			M	Λ	ndl	8	20	.00 dB	
				Vh	BW	86	5.73146		
-10			\sim	\	∇_{T}	[T1]	-19	.19 dBm	
		~			Μ			008 GHz	
-20		T			VT2 VT	2 [T1]	-19	.40 dBm	
1MAX		<i>/</i>			M		2.48040	581 GHz	1M2
-30						Ty.			
-50						V	m		
V							M	herehan	
-60									
-70									
-80									
-90									
Center 2.4	18 GHz		300	kHz/			Spa	n 3 MHz	

Page 32 of 40

Report No.: TW2210208-02E



Product:	Vi	deo Encode	er		Те	st Mode:		Keep tran	smitting	
Mode	Keepi	ng Transm	itting		Tes	st Voltage		120	V~	
Temperature		24 deg. C,			Н	umidity		56%	RH	
Test Result:		Pass			Detector			PK		
OdB Bandwidth	į	1.232MHz								
	Marker	1 [T1 n	dB]	RI	BW	30 k	Hz RI	F Att	20 dB	
Ref Lvl	ndB				BW	100 k			100	
10 dBm	BW 1	1.232464	93 MHz	SI	TW	8.5 m	s Uı	nit	dBm	a -
						v ₁	[T1]	-1	.06 dBm	
			1					2.40183	467 GHz	_
			\wedge			ndB BW		20	.00 dB 493 MHz	
1.0			/ //	~~	00/	\ \nabla_{T1}	[T1]		.29 dBm	
-10		~W\		1	7	\sim			972 GHz	11
	77.1	~				D T	[T1]	-21	.09 dBm	
-20 1MAX	The state of the s						\	2.40259	218 GHz	1
							٦			ľ
-30										1
-40	^ \/						1	/ ==		1
	/\m\ \"						w	\wedge		
-50					\dashv			m		-
W									my my	
-60					\dashv				***************************************	
-70					\dashv					-
-80					+					-
-90										
Center 2.40)2 GHz		300 k	Hz/				Spa	n 3 MHz	6

Page 33 of 40

Report No.: TW2210208-02E



Л/4D-QPSK						
Product:	Vio	leo Encoder	Test	Mode:	Keep tra	ansmitting
Mode	Keepii	ng Transmitting	Test '	Voltage	12	0V~
Temperature	2	24 deg. C,	Hur	nidity	569	% RH
Test Result:		Pass	Det	tector]	PK
20dB Bandwidth	1	.250MHz				
Ref Lvl 10 dBm	ndB	1 [T1 ndB] 20.00 dB 1.25050100 MHz		30 kHz 100 kHz 8.5 ms	RF Att Unit	20 dB
-10			~~~	V1 [T ndB BW VT1 [2.44083 20 1.25050 T11 —20	0100 MHz
-20	T	√ 		▽ 122 [T1] -20	972 GHz 3.23 dBm 1022 GHz
-30						1MA
-50					W. Company	
-60						hear
-70						
-80						
-90 Center 2	.441 GHz	300 k	Hz/		Spa	an 3 MHz
Date: 16	.NOV.2022 12					

Page 34 of 40

Report No.: TW2210208-02E



Product:	Vid	eo Encoder		Test Mode:	Keep	ransmitting			
Mode	Keepin	g Transmitting		Test Voltage	120V~				
Temperature	2	24 deg. C, Humidity 56% R			Humidity 56% RH			midity 56% RH	
Test Result:		Pass		Detector		PK			
dB Bandwidth	1	.257MHz							
	Marker	1 [T1 ndB]	RBV	√ 30 kH	z RF Att	20 dB			
Ref Lvl	ndB	20.00 dE	VBV	√ 100 kH	Z				
10 dBm	BW	L.25651303 MH	z SW1	8.5 ms	Unit	dBm			
10				v ₁	[T1]	0.69 dBm			
		1			2.4798	32866 GHz			
0		<u>Λ</u>	Λ	ndB	2	20.00 dB			
			/ hy	BW		51303 MHz			
-10		m		V hy V _T 1		19.25 dBm			
	TT T	~		▽ 11-19		35972 GHz			
-20	y			V T		19.51 dBm			
1MAX					2.4000	51623 GHz 1N			
-30									
-40	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				myman	Ama A			
-30									
-60									
-70									
-80									
-90	0.000		0.117.						
Center 2.4	8 GHZ	30	0 kHz/		Sr	oan 3 MHz			

Page 35 of 40

Report No.: TW2210208-02E



PSK							ĺ		. 20 80	
Product:		deo Encodo				Mode:		Keep tran		
Mode			Test Voltage			120V~				
Temperature	2	24 deg. C,			Humidity Detector			56% RH PK		
Test Result:		Pass								
dB Bandwidth		.232MHz								
>	Marker	1 [T1 n	dB]	RI	BW	30 k	Hz RI	F Att	20 dB	
Ref Lvl	ndB			VI	BW	100 k				
10 dBm	BW 1	.232464	93 MHz	SI	VT	8.5 m	s Uı	nit	dBr	n
10						v ₁	[T1]	-1	.05 dBm	i –
			1					2.40182	866 GHz	
0			^ ^			ndB		20	.00 dB	
			/_/	h		BW ▼ _{T1}	Eme a		493 MHz	1
-10		\w\	J VV	-~ [~~~		[T1]	-21 2.40135	.22 dBm	7
		\mathcal{J}				V T	[T1]		.07 dBm	
-20	T.J.					1		2.40259	218 GHz	
1MAX							7			1
-30										
-50	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						ly	$ \wedge $		
-60								any.	my	^
-70										
-80										
-90 Center 2.40	02 GHz		300 }	<hz <="" td=""><td></td><td></td><td></td><td>Spa</td><td>n 3 MHz</td><td></td></hz>				Spa	n 3 MHz	

Page 36 of 40

Report No.: TW2210208-02E



Product:	Vio	deo Encoder	-	Test Mode:	Keep tr	ansmitting	
Mode	1111	ng Transmitting		est Voltage	120V~		
Temperature		24 deg. C,		Humidity	56% RH		
Test Result:		Pass		Detector		PK	
0dB Bandwidth]	.257MHz					
R	Marker	1 [T1 ndB]	RBW	30 kHz	RF Att	20 dB	
Ref Lvl	ndB	20.00 dB	VBW	100 kHz			
10 dBm	BW	1.25651303 MHz	SWT	8.5 ms	Unit	dBm	
10				V 1 [3	r1] –	0.50 dBm	
		1			2.4408	2866 GHz	
0				ndB	21	0.00 dB	
			ma	BW	1.2565		
-10		1000 1 V	111	V _T 1	[T1] -2		
				V To		5972 GHz G.78 dBm	
-20	T	,		172		1623 GHz	
1MAX				\		1MA	
-30							
-40	\n\\				My		
-50					W. Carlotte	mohan	
-60							
-70							
-80							
-90	M1 GH		1011-7				
Center 2.4	141 GHZ	300	kHz/		Spa	an 3 MHz	

Page 37 of 40

Report No.: TW2210208-02E



Product:	Video Encode	r	Test Mode:	Keep tra	nsmitting
Mode	Keeping Transmi	tting	Test Voltage	120	0V~
Temperature	24 deg. C,		Humidity	56%	6 RH
Test Result:	Pass		Detector	F	PΚ
dB Bandwidth	1.257MHz				
Ŕ	Marker 1 [T1 n	idB] F	RBW 30 kHz	RF Att	20 dB
Ref Lvl			7BW 100 kHz		
10 dBm	BW 1.256513	303 MHz S	SWT 8.5 ms	Unit	dBm
10			▼ 1 [T1] 0	.68 dBm
		1		2.47983	
0		\wedge	ndB	2.0	.00 dB
	~~~	J W hy	W VT1	1.25651 [T1] -19	303 MHz
-10	1 // /		7	2.47935	
	T		<b>▽</b> 172		.53 dBm
-20	y y		<del>y</del>	2.48061	623 GHz
-30					1M
-40	M				
-50					
-60					
-70					
-80					
-90 Center 2.48	3 GHz	300 kHz/	,	Spa	n 3 MHz

Report No.: TW2210208-02E Page 38 of 40

Date: 2022-11-21

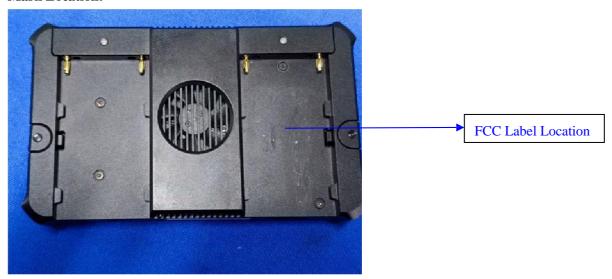


#### 10.0 FCC ID Label

#### FCC ID: 2AP6W-ENCODER5511

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:**



Page 39 of 40

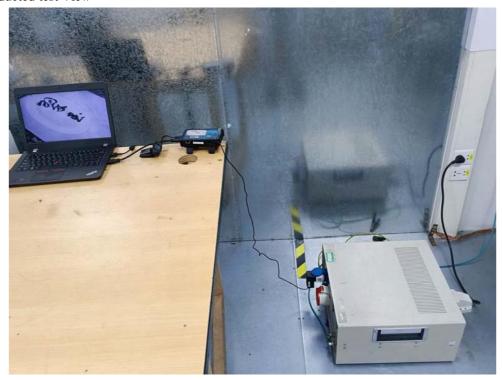
Report No.: TW2210208-02E

Date: 2022-11-21



#### 11.0 Photo of testing

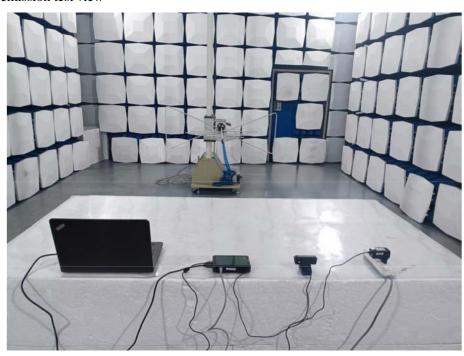
#### 11.1 Conducted test View



Date: 2022-11-21



#### Radiated emission test view





#### 11.2 Photographs - EUT

Please refer to test report TW2210208-01E

## -- End of the report--

The report refers only to the sample tested and does not apply to the bulk.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

adopt any other remedies which may be appropriate.