



Report No.: TW2506725E

Applicant: CHAUVET AND SONS, LLC

Product: controller

Model No.: Well connect

Trademark: CHAUVET PROFESSIONAL

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

Approved By

Terry Tang

Terry Tang

Manager

Dated: July 29, 2025

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



Special Statement:

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.

ISED —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of ISED 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

CAB identifier: CN0033

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1.0 General Details

1.1 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 States
Registration Number: 744189
For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: CHAUVET AND SONS, LLC
Address: Davie Business Center, 3360 Davie Road, Suite #509, Davie, Florida 33314

1.3 Description of EUT

Product: controller
Manufacturer: CHAUVET AND SONS, LLC
Address: Davie Business Center, 3360 Davie Road, Suite #509, Davie, Florida 33314
Trademark: CHAUVET PROFESSIONAL
Additional Trademark: N/A
Model Number: Well connect
Additional Model Name: N/A
Hardware Version: V1.00
Software Version: V1.01
Serial No.: N/A
Rating: Input: DC5V, 2A
Battery: DC7.4V, 5200mAh Li-ion battery
Modulation Type: GFSK
Operation Frequency: 2402-2480MHz (Bluetooth Low Energy)
Number of Channels: 40
Channel Separation: 2MHz
Antenna Designation: Dipole antenna with gain 2.95dBi Max (Get from the antenna specification)

1.4 Submitted Sample: 2 Samples

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1.5 Test Duration

2025-06-25 to 2025-07-29

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

A handwritten signature in black ink that reads "Andy Tang".

The sample tested by _____

Print Name: Terry Tang

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100253	2025-07-11	2026-07-10
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2025-07-11	2026-07-10
Loop Antenna	EMCO	6507	00078608	2025-07-17	2028-07-16
Spectrum	R&S	FSIQ26	100292	2025-07-11	2026-07-10
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2025-07-17	2028-07-16
Horn Antenna	R&S	BBHA 9120D	9120D-631	2025-07-17	2028-07-16
Power meter	Anritsu	ML2487A	6K00003613	2025-07-11	2026-07-10
Power sensor	Anritsu	MA2491A	32263	2025-07-11	2026-07-10
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2025-07-17	2028-07-16
9*6*6 Anechoic	--	--	N/A	2025-07-11	2028-07-10
EMI Test Receiver	RS	ESVB	826156/011	2025-07-11	2026-07-10
EMI Test Receiver	RS	ESCS 30	834115/006	2025-07-11	2026-07-10
Spectrum	HP/Agilent	E4407B	MY50441392	2025-07-11	2026-07-10
Spectrum	RS	FSP	1164.4391.38	2025-07-11	2026-07-10
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2025-07-11	2026-07-10
RF Cable	Zhengdi	7m	--	2025-07-11	2026-07-10
Pre-Amplifier	Schwarebeck	BBV9743	#218	2025-07-11	2026-07-10
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2025-07-11	2026-07-10
LISN	SCHAFFNER	NNB42	00012	2025-07-11	2026-07-10
ESPI Test Receiver	R&S	ESPI 3	100379	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10

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

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3.0 Technical Details

3.1 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

3.2 Test Standards

FCC Part 15 Subpart C, Paragraph 15.249 , ANSI C63.10-2020+Cor.1-2023

4.0 EUT Modification

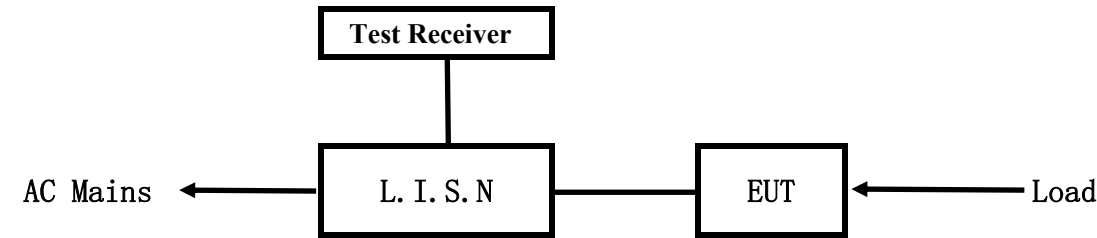
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5. Power Line Conducted Emission Test

5.1 Schematics of the test



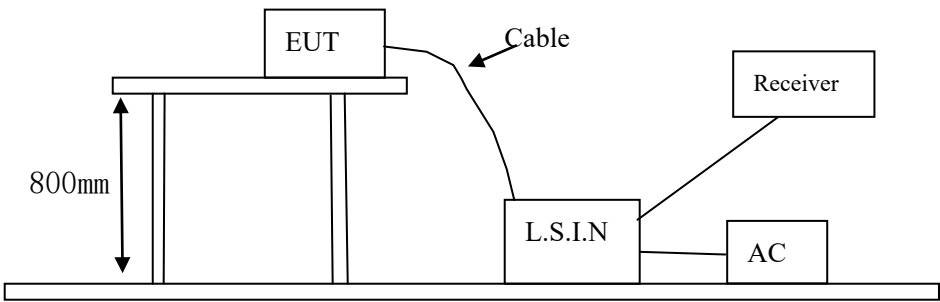
EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2020+Cor.1-2023. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2020+Cor.1-2023.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2020+Cor.1-2023. 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
controller	CHAUVET AND SONS, LLC	Well connect	XAO-WELLCONNECT

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	Xiaomi	MDY-12-EF	Input: 100-240V~, 50/60Hz, 1.7A; Output: DC5V, 3A; 5-20A; 6.2- 3.25A(67W Max)

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2020+Cor.1-2023

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 (MHz)	Limits (dB μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0~56.0*	56.0~46.0*
0.50 ~ 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:

Pass

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

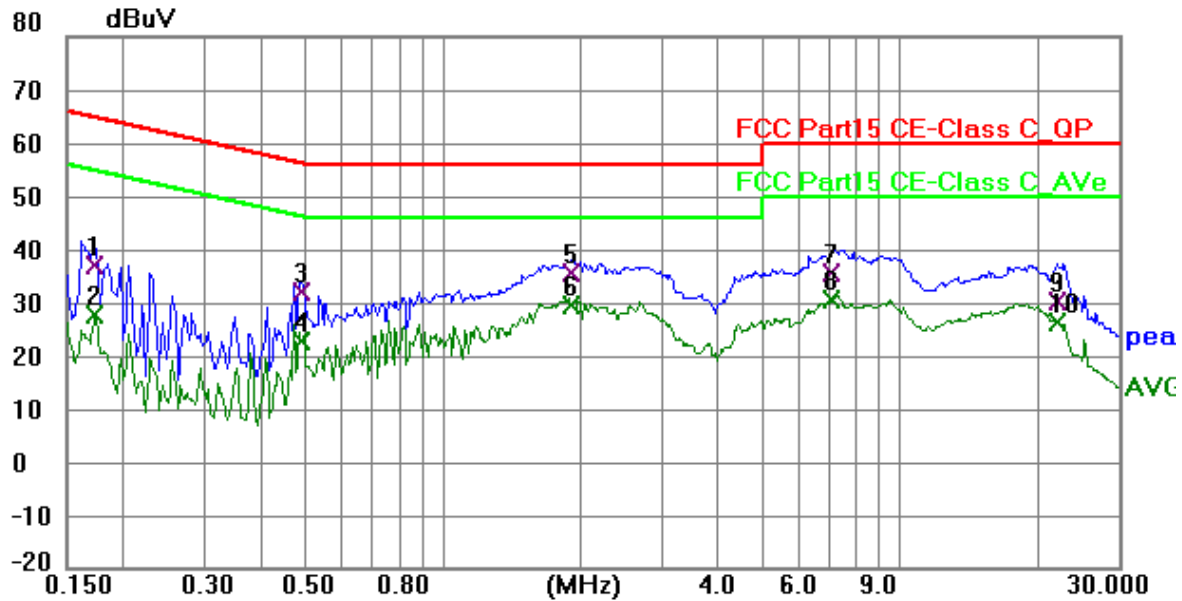
EUT Operating Environment

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

EUT set Condition: Charging and Communication by BT

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	0.1734	26.59	10.33	36.92	64.80	-27.88	QP	P
2	0.1734	17.46	10.33	27.79	54.80	-27.01	AVG	P
3	0.4893	21.47	10.40	31.87	56.18	-24.31	QP	P
4	0.4893	12.34	10.40	22.74	46.18	-23.44	AVG	P
5	1.9167	24.39	11.25	35.64	56.00	-20.36	QP	P
6	1.9167	18.19	11.25	29.44	46.00	-16.56	AVG	P
7	7.0950	22.83	12.87	35.70	60.00	-24.30	QP	P
8	7.0950	17.80	12.87	30.67	50.00	-19.33	AVG	P
9	22.0866	14.04	15.98	30.02	60.00	-29.98	QP	P
10	22.0866	10.26	15.98	26.24	50.00	-23.76	AVG	P

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

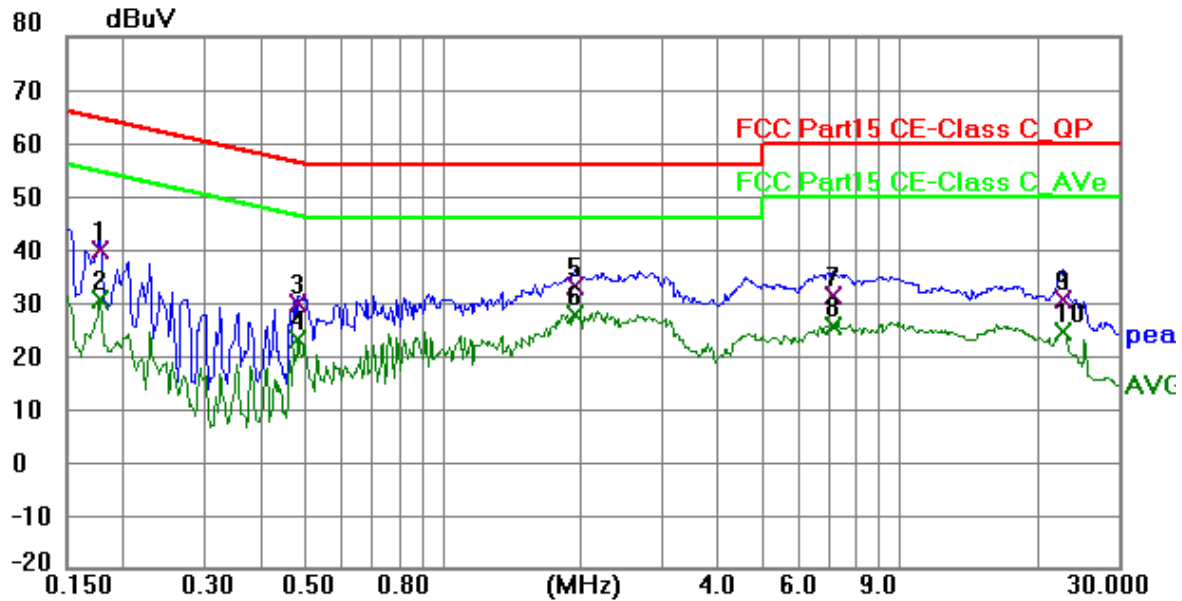
EUT Operating Environment

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

EUT set Condition: Charging and Communication by BT

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	0.1773	29.63	10.33	39.96	64.61	-24.65	QP	P
2	0.1773	20.34	10.33	30.67	54.61	-23.94	AVG	P
3	0.4815	19.57	10.40	29.97	56.31	-26.34	QP	P
4	0.4815	12.52	10.40	22.92	46.31	-23.39	AVG	P
5	1.9362	21.72	11.27	32.99	56.00	-23.01	QP	P
6	1.9362	16.57	11.27	27.84	46.00	-18.16	AVG	P
7	7.1379	18.47	12.88	31.35	60.00	-28.65	QP	P
8	7.1379	12.50	12.88	25.38	50.00	-24.62	AVG	P
9	22.5740	14.76	15.88	30.64	60.00	-29.36	QP	P
10	22.5740	8.54	15.88	24.42	50.00	-25.58	AVG	P

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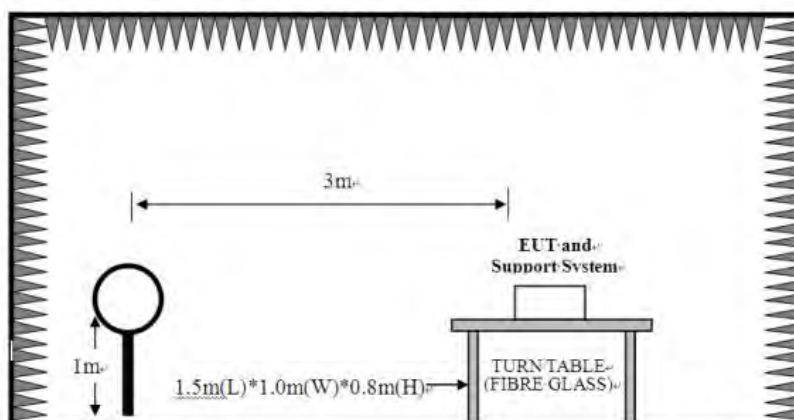
6 Radiated Emission Test

6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2020+Cor.1-2023. 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 C63.10-2020+Cor.1-2023.
- (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



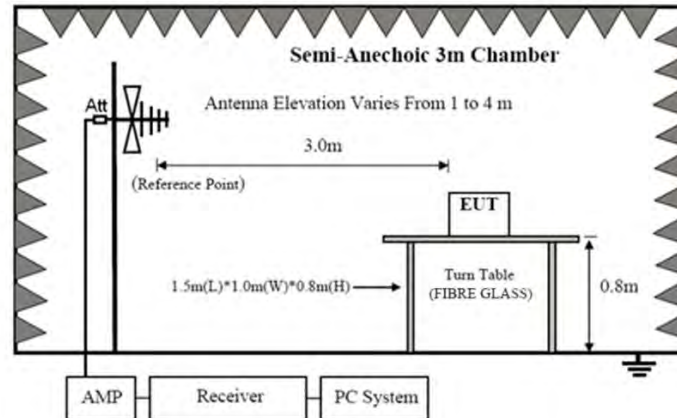
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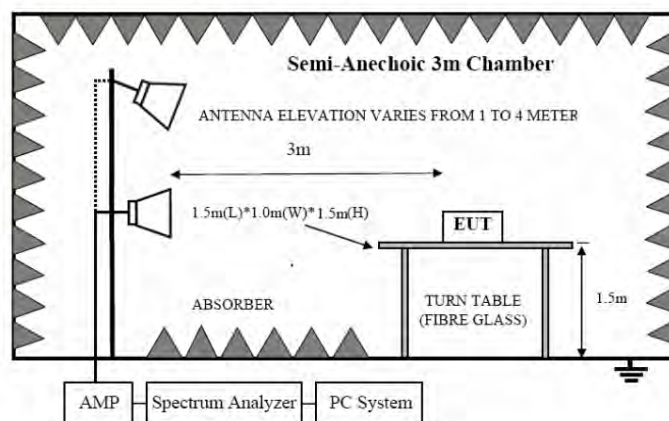
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For radiated emissions from 30MHz to 1GHz



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.

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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:

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 § 15.209, whichever is the lesser attenuation.

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

Fundamental Frequency (MHz)	Field Strength of Fundamental (3m)		Field Strength of Harmonics (3m)	
	mV/m	dBuV/m	uV/m	dBuV/m
2400-2483.5	50	94 (Average) 114 (Peak)	500	54 (Average) 74 (Peak)

- Note:
1. RF Field Strength (dBuV) = 20 log RF 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.

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

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.490	3	$20\log(2400/F(\text{kHz})) + 40\log(300/3)$
0.490-1.705	3	$20\log(24000/F(\text{kHz})) + 40\log(30/3)$
1.705-30	3	69.5
30-88	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 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. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.
 6. Battery full charged during tests.

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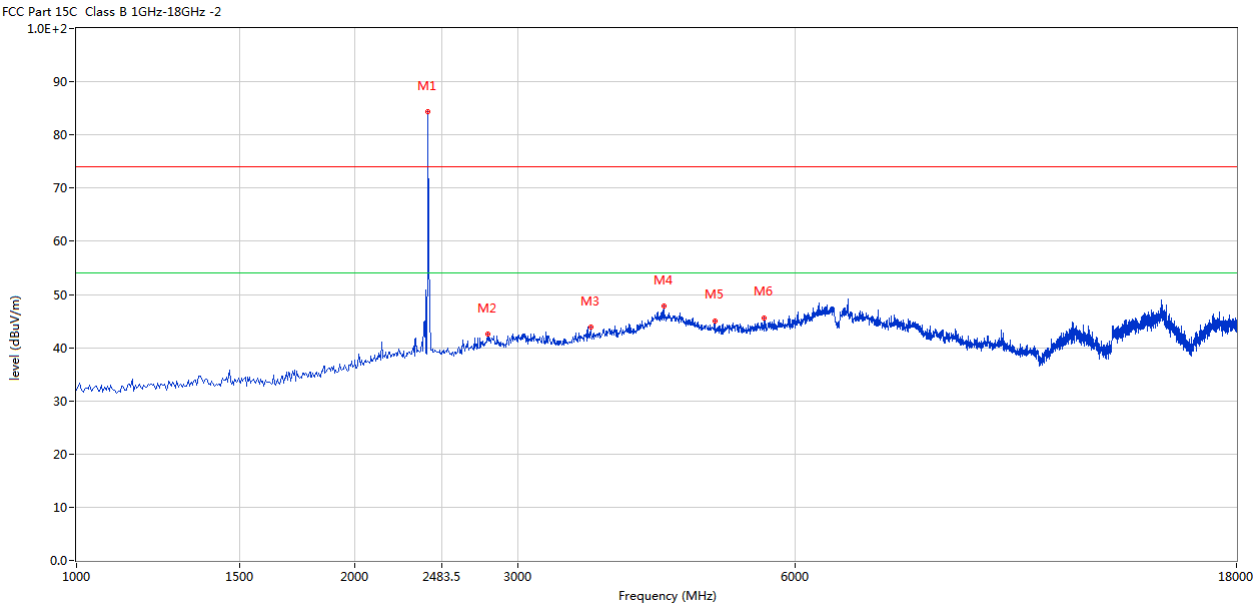
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6.5 Test result
A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	84.39	-3.57	74.0	10.39	Peak	124.00	100	Horizontal	N/A
2	2784.554	42.55	-2.74	74.0	-31.45	Peak	57.00	100	Horizontal	Pass
3	3600.350	43.88	-0.60	74.0	-30.12	Peak	77.00	100	Horizontal	Pass
4	4318.420	47.74	1.87	74.0	-26.26	Peak	149.00	100	Horizontal	Pass
5	4904.774	44.99	3.23	74.0	-29.01	Peak	216.00	100	Horizontal	Pass
6	5550.612	45.57	3.92	74.0	-28.43	Peak	119.00	100	Horizontal	Pass

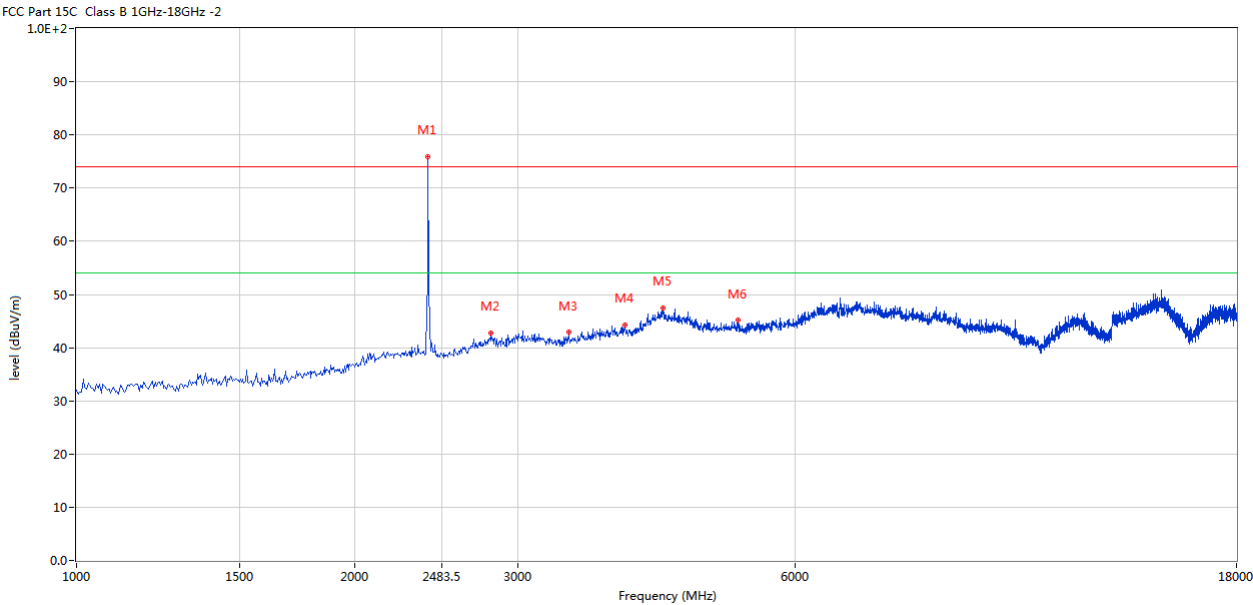
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Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	75.80	-3.57	74.0	1.80	Peak	339.00	100	Vertical	N/A
2	2810.047	42.79	-2.69	74.0	-31.21	Peak	72.00	100	Vertical	Pass
3	3409.148	43.00	-1.73	74.0	-31.00	Peak	82.00	100	Vertical	Pass
4	3919.020	44.29	0.89	74.0	-29.71	Peak	190.00	100	Vertical	Pass
5	4314.171	47.49	1.86	74.0	-26.51	Peak	301.00	100	Vertical	Pass
6	5193.702	45.15	3.66	74.0	-28.85	Peak	349.00	100	Vertical	Pass

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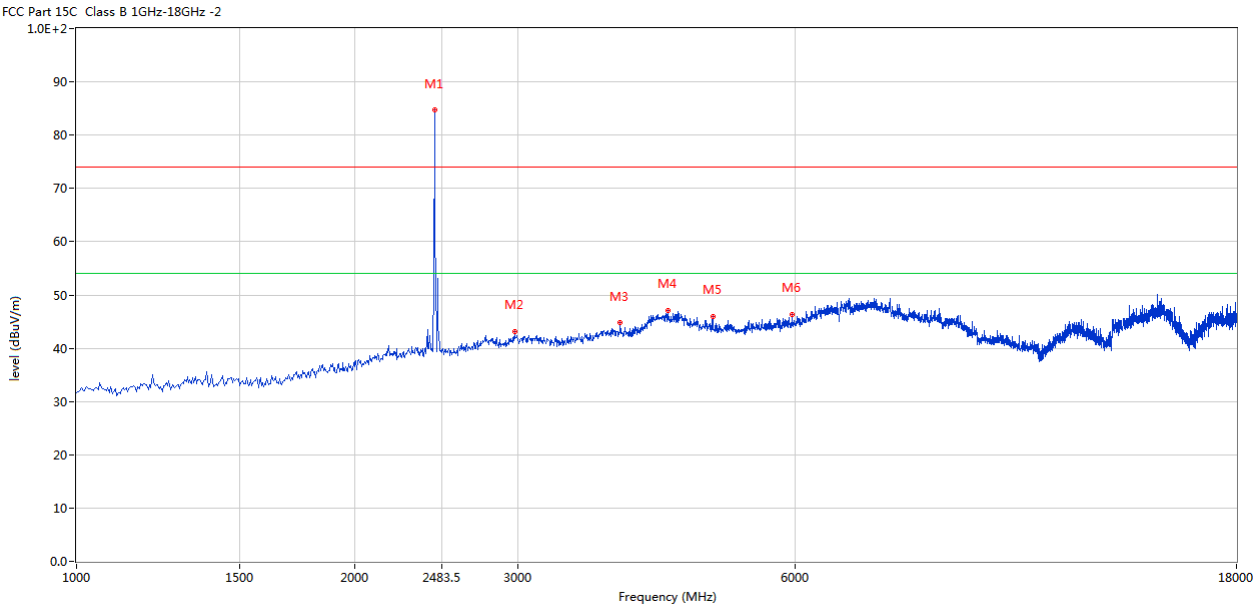
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2440	84.71	-3.57	74.0	10.71	Peak	338.00	100	Horizontal	N/A
2	2980.005	43.08	-2.65	74.0	-30.92	Peak	68.00	100	Horizontal	Pass
3	3876.531	44.73	0.70	74.0	-29.27	Peak	136.00	100	Horizontal	Pass
4	4365.159	47.11	1.94	74.0	-26.89	Peak	37.00	100	Horizontal	Pass
5	4879.280	45.92	3.20	74.0	-28.08	Peak	0.00	100	Horizontal	Pass
6	5945.764	46.41	3.80	74.0	-27.59	Peak	306.00	100	Horizontal	Pass

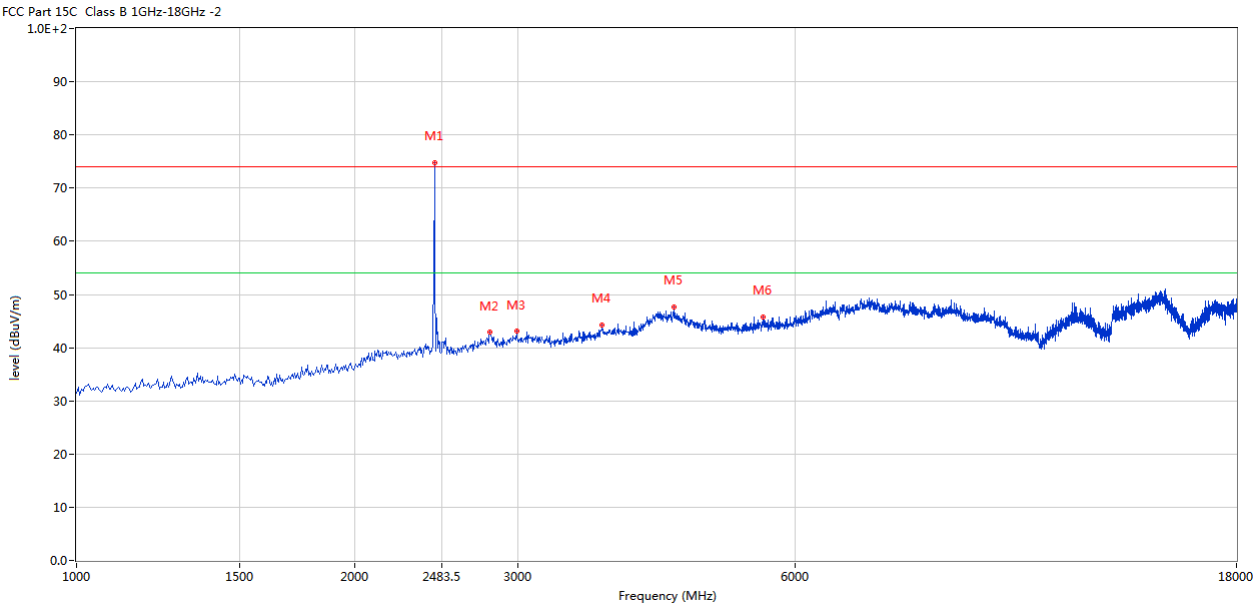
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Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2440	74.77	-3.57	74.0	0.77	Peak	233.00	100	Vertical	Pass
2	2801.550	42.91	-2.70	74.0	-31.09	Peak	78.00	100	Vertical	Pass
3	2992.752	43.09	-2.64	74.0	-30.91	Peak	338.00	100	Vertical	Pass
4	3706.573	44.22	-0.19	74.0	-29.78	Peak	114.00	100	Vertical	Pass
5	4428.893	47.65	2.06	74.0	-26.35	Peak	322.00	100	Vertical	Pass
6	5537.866	45.70	3.92	74.0	-28.30	Peak	187.00	100	Vertical	Pass

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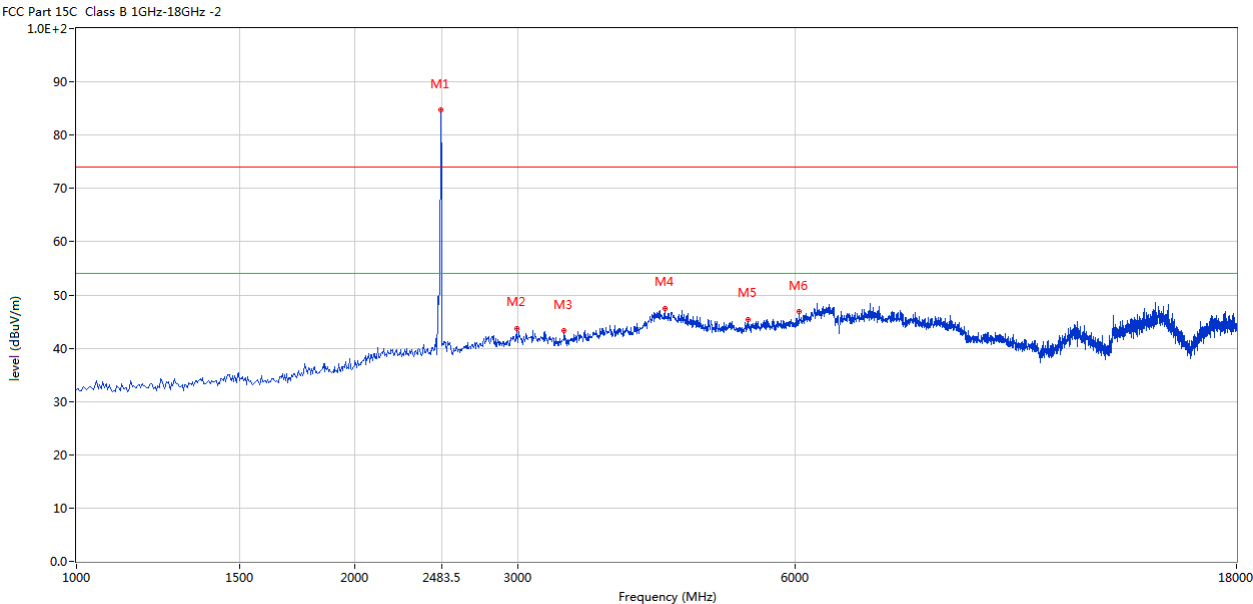
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	84.79	-3.57	74.0	10.79	Peak	191.00	100	Horizontal	N/A
2	2992.752	43.75	-2.64	74.0	-30.25	Peak	323.00	100	Horizontal	Pass
3	3370.907	43.25	-1.88	74.0	-30.75	Peak	215.00	100	Horizontal	Pass
4	4331.167	47.48	1.89	74.0	-26.52	Peak	248.00	100	Horizontal	Pass
5	5176.706	44.69	3.68	74.0	-29.31	Peak	277.00	100	Horizontal	Pass
6	6051.987	46.96	3.98	74.0	-27.04	Peak	31.00	100	Horizontal	Pass

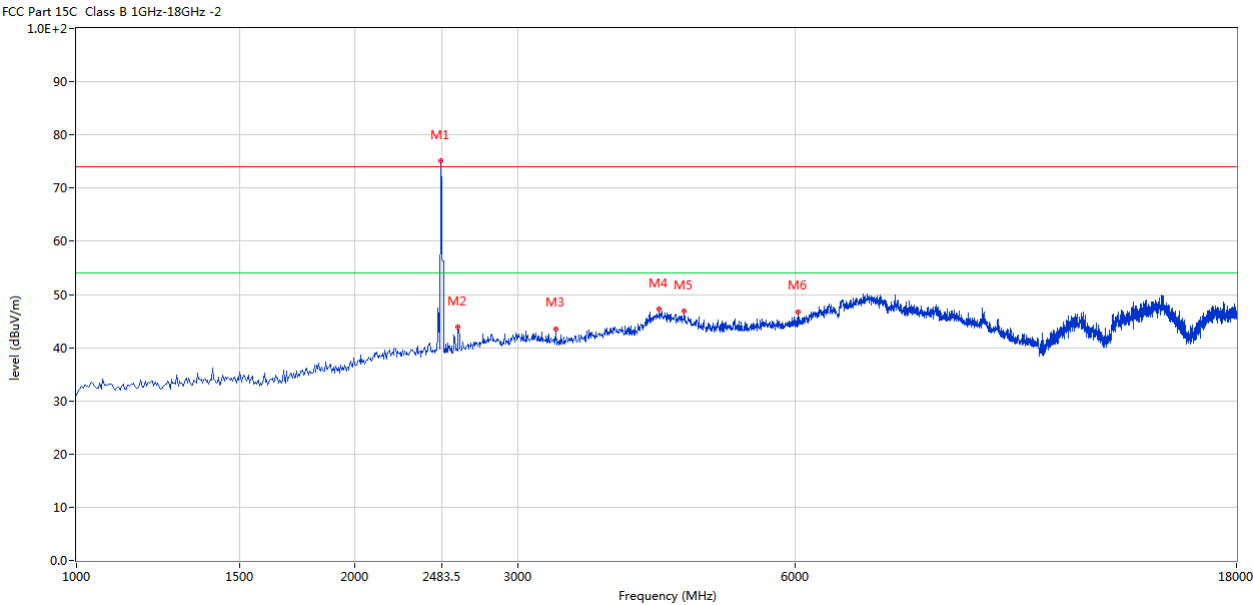
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Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	75.21	-3.57	74.0	1.21	Peak	140.00	100	Vertical	Pass
2	2589.103	43.84	-3.35	74.0	-30.16	Peak	192.00	100	Vertical	Pass
3	3298.675	43.48	-2.11	74.0	-30.52	Peak	303.00	100	Vertical	Pass
4	4271.682	47.18	1.77	74.0	-26.82	Peak	292.00	100	Vertical	Pass
5	4547.863	46.89	2.38	74.0	-27.11	Peak	281.00	100	Vertical	Pass
6	6039.240	46.63	3.93	74.0	-27.37	Peak	308.00	100	Vertical	Pass

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

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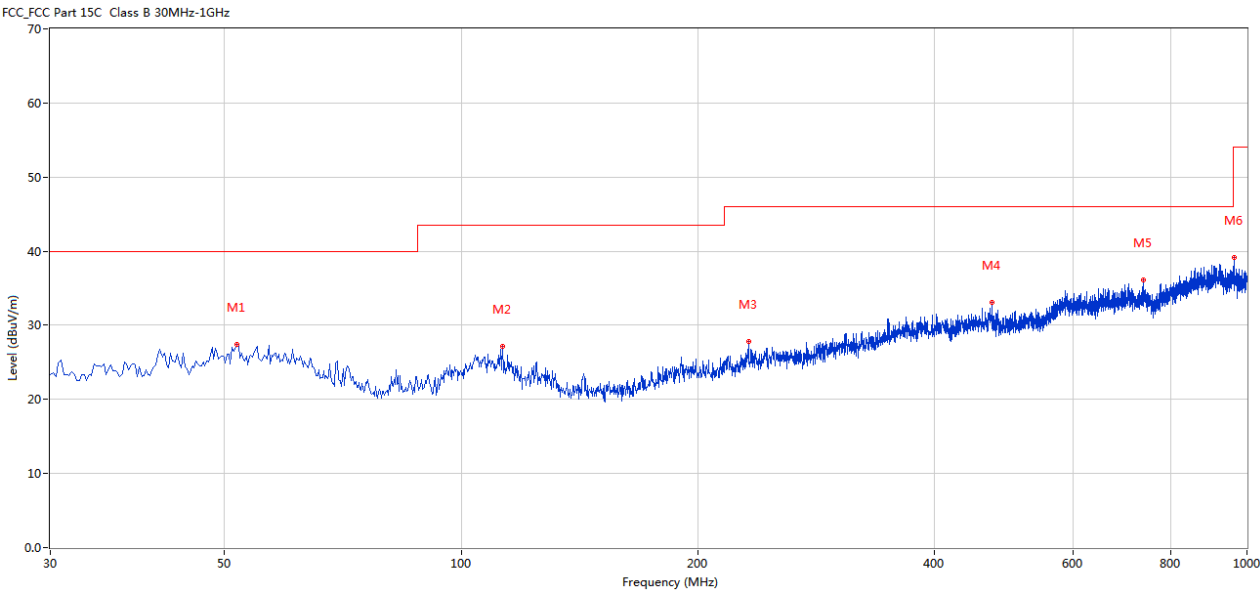


B. General Radiated Emission Data
Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	51.820	27.42	-4.86	40.0	12.58	Peak	328.00	100	Horizontal	Pass
2	112.914	27.20	-6.33	43.5	16.30	Peak	59.00	100	Horizontal	Pass
3	231.952	27.86	-5.46	46.0	18.14	Peak	173.00	100	Horizontal	Pass
4	473.664	33.15	-0.39	46.0	12.85	Peak	107.00	100	Horizontal	Pass
5	737.681	36.09	2.47	46.0	9.91	Peak	41.00	100	Horizontal	Pass
6	964.361	39.12	5.19	54.0	14.88	Peak	46.00	100	Horizontal	Pass

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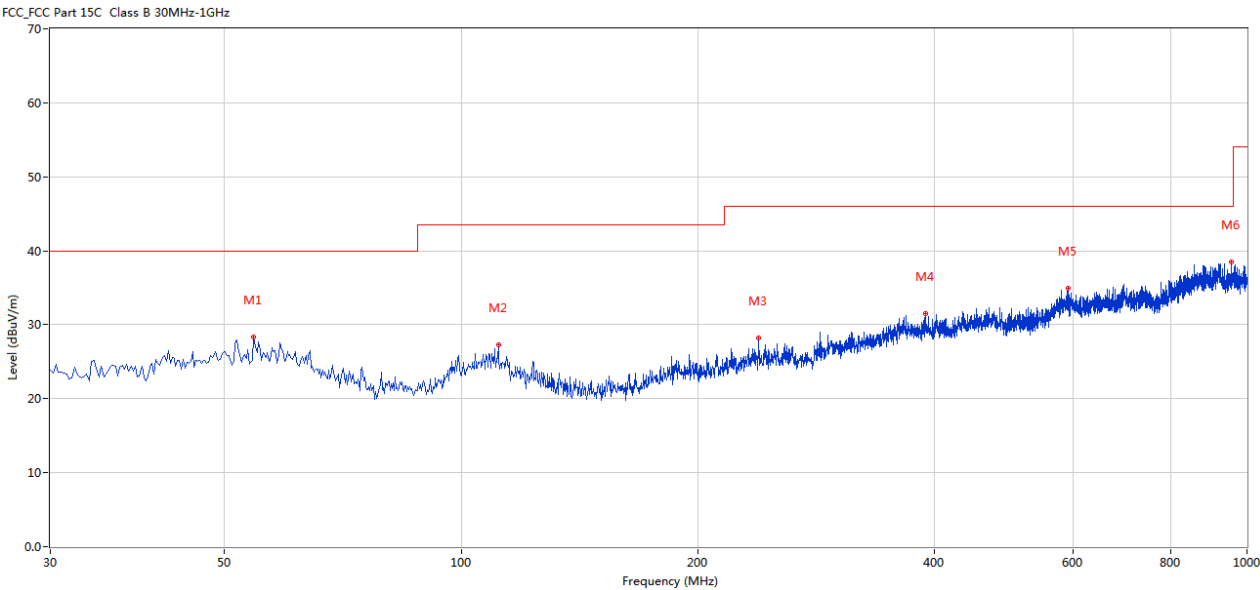


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.486	28.40	-5.17	40.0	11.60	Peak	205.00	100	Vertical	Pass
2	111.460	27.28	-6.04	43.5	16.22	Peak	208.00	100	Vertical	Pass
3	239.225	28.27	-5.63	46.0	17.73	Peak	199.00	100	Vertical	Pass
4	389.780	31.53	-1.66	46.0	14.47	Peak	211.00	100	Vertical	Pass
5	591.732	34.92	1.73	46.0	11.08	Peak	32.00	100	Vertical	Pass
6	954.421	38.52	4.97	46.0	7.48	Peak	62.00	100	Vertical	Pass

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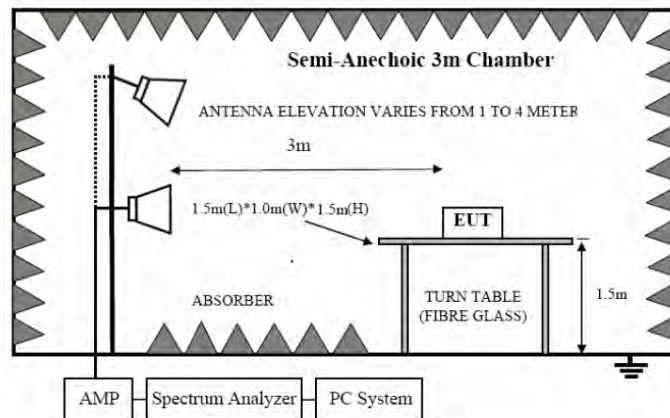


7. Band Edge

7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2020+Cor.1-2023. 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.

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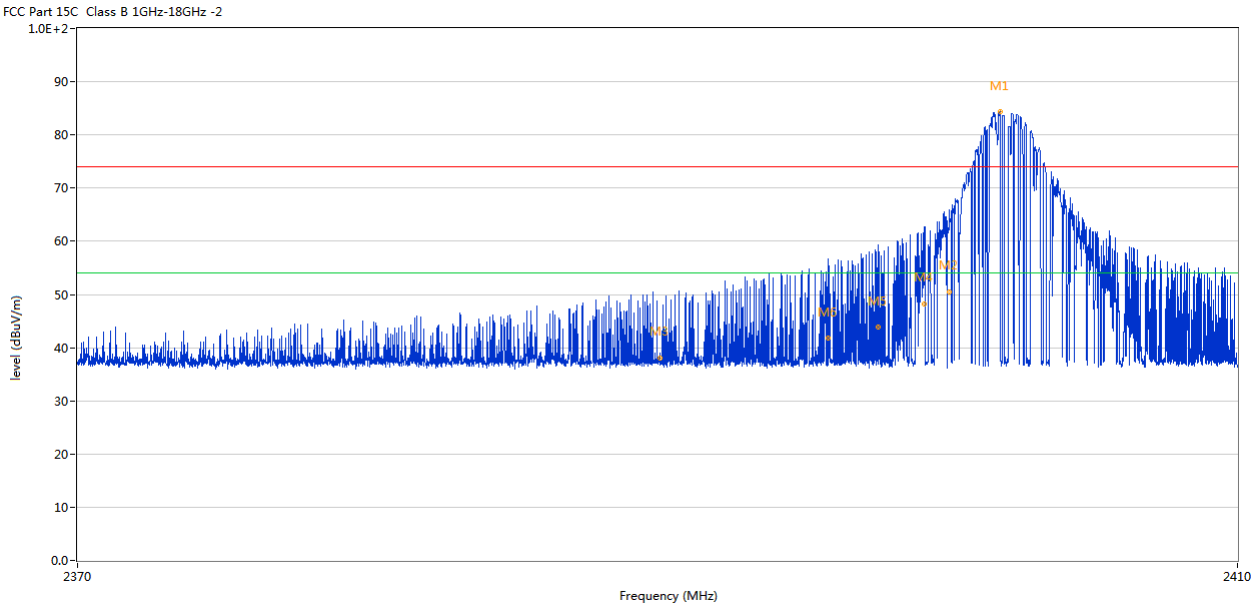
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7.6 Test Result

Product:	controller	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC7.4V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2401.752	84.28	-3.57	74.0	10.28	Peak	37.00	100	Horizontal	N/A
2	2400.000	65.59	-3.57	74.0	-8.41	Peak	17.78	100	Horizontal	Pass
2**	2400.000	50.46	-3.57	54.0	-3.54	AV	17.78	100	Horizontal	Pass
3	2390.000	38.08	-3.53	74.0	-35.92	Peak	147.00	100	Horizontal	Pass
4	2399.143	62.79	-3.56	74.0	-11.21	Peak	265.00	100	Horizontal	Pass
4**	2399.143	48.13	-3.56	54.0	-5.87	AV	265.00	100	Horizontal	Pass
5	2397.553	59.26	-3.56	74.0	-14.74	Peak	42.00	100	Horizontal	Pass
5**	2397.553	43.95	-3.56	54.0	-10.05	AV	42.00	100	Horizontal	Pass
6	2395.794	56.60	-3.55	74.0	-17.40	Peak	33.00	100	Horizontal	Pass
6**	2395.794	41.89	-3.55	54.0	-12.11	AV	33.00	100	Horizontal	Pass

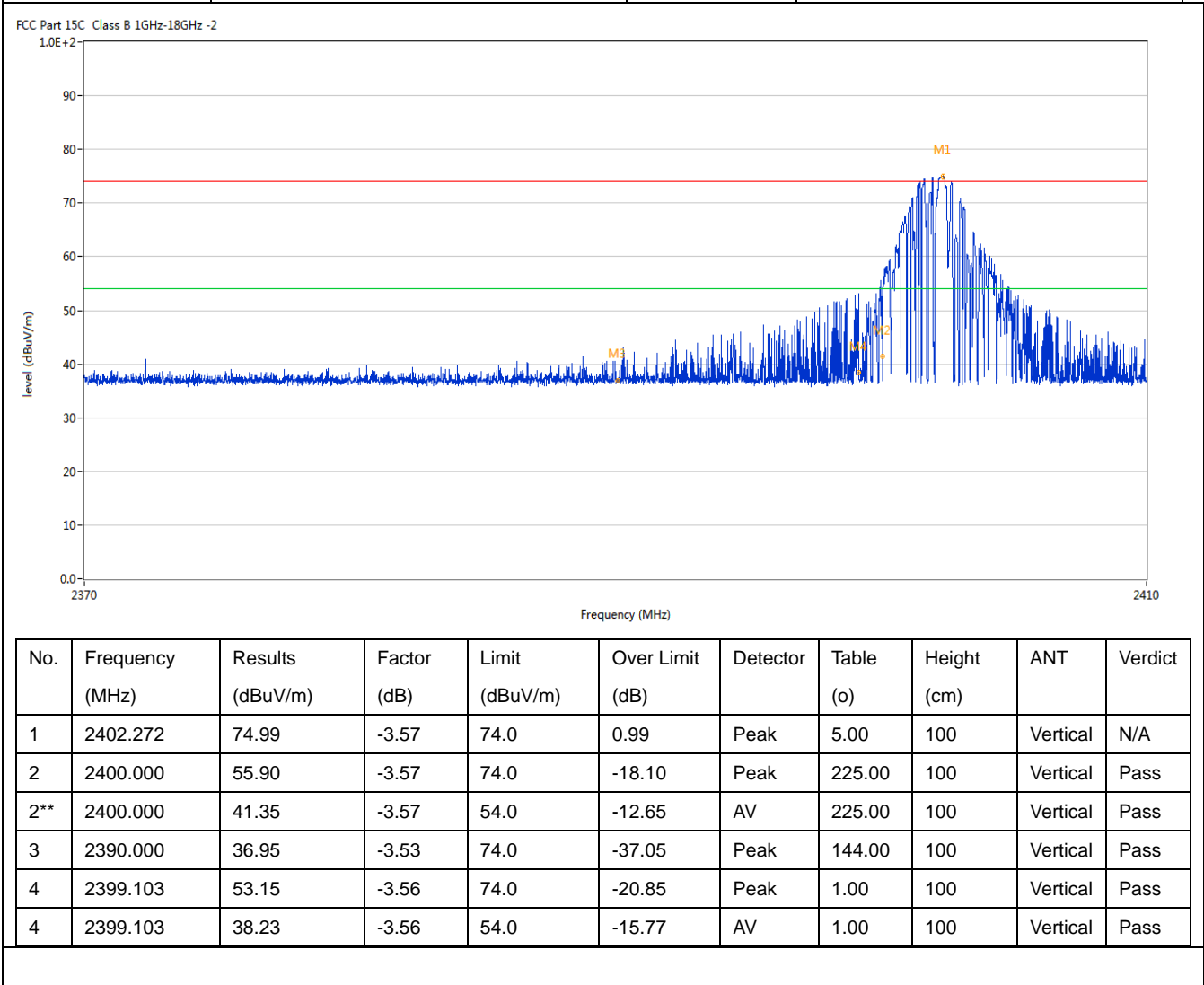
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Product:	controller	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC7.4V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



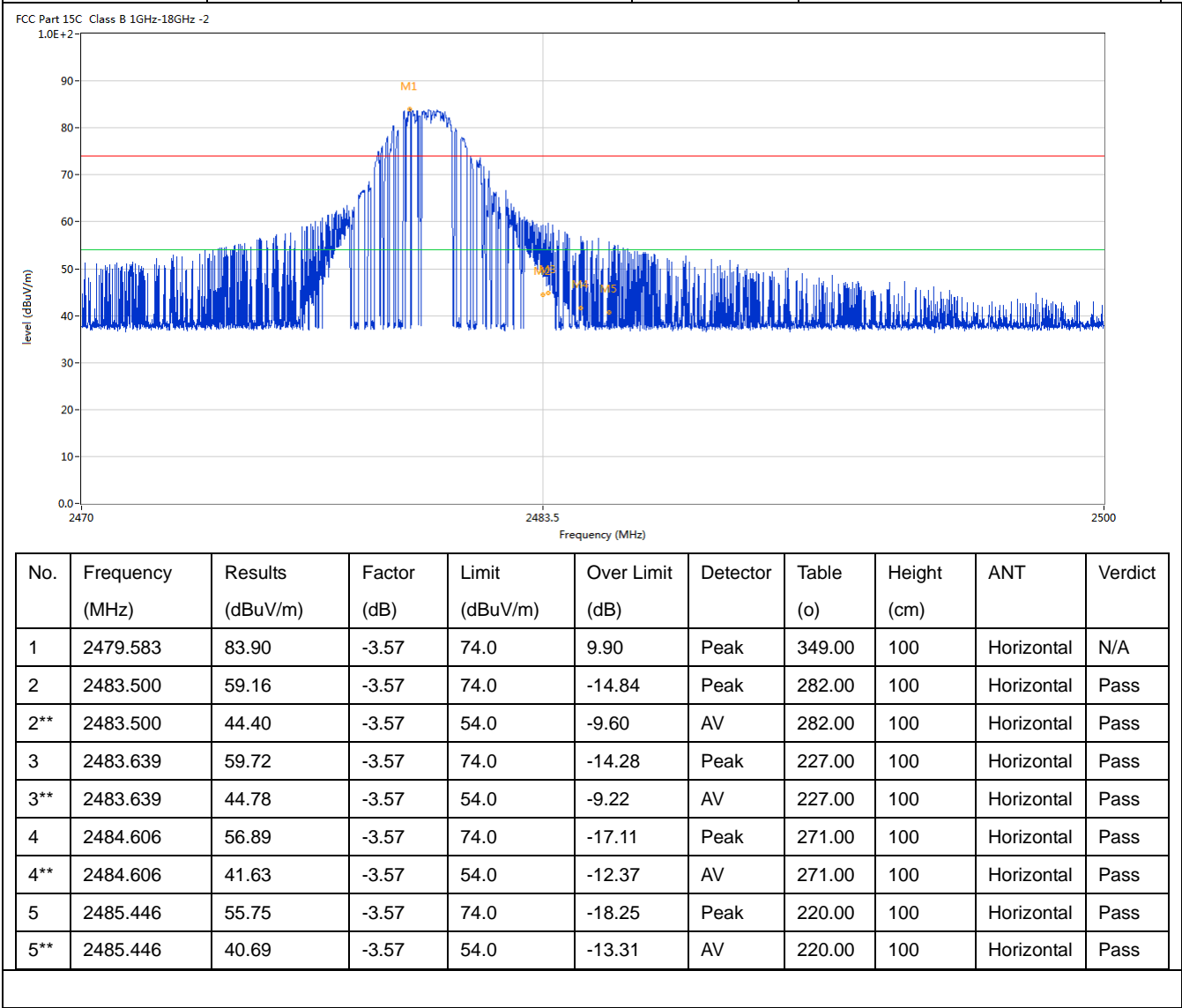
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Product:	controller	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC7.4V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



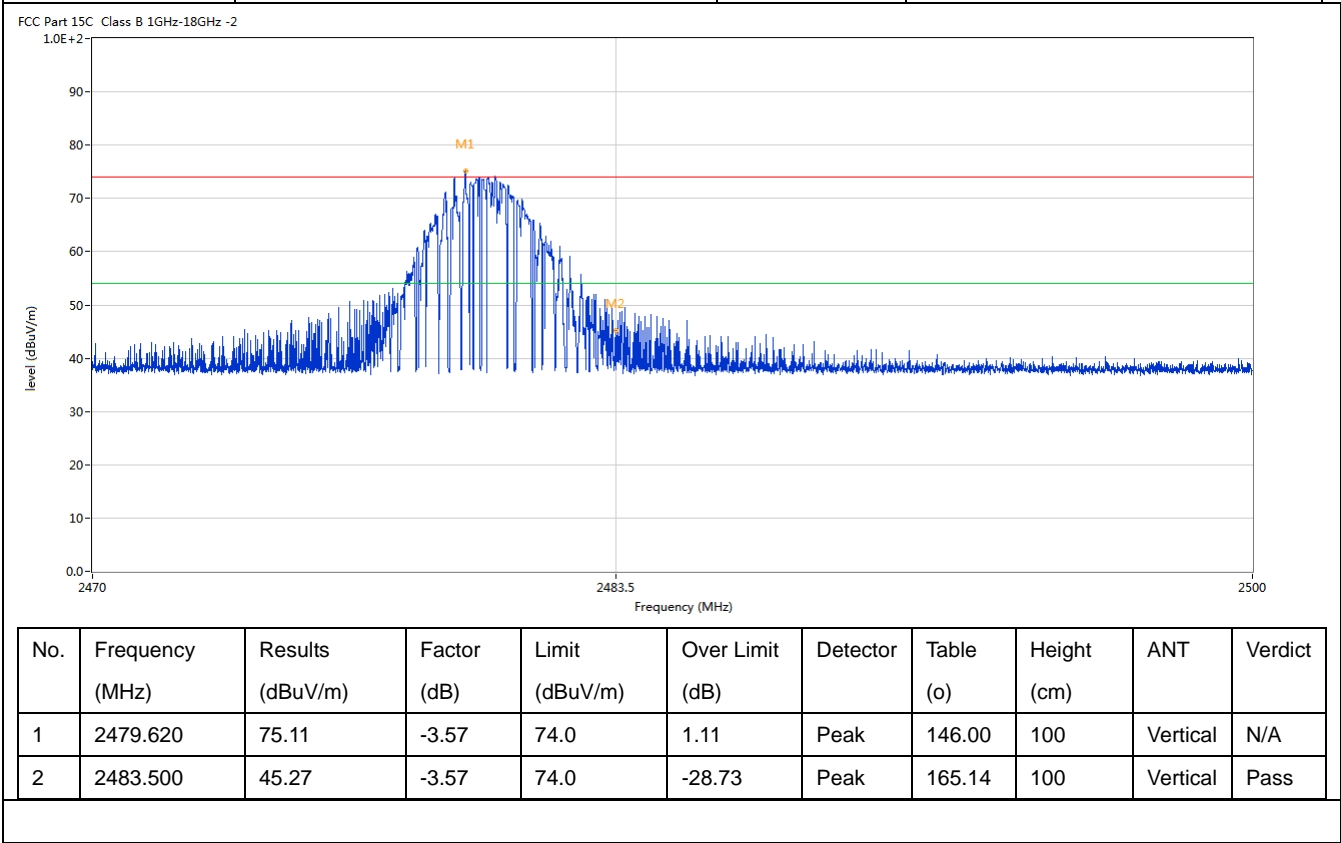
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Product:	controller	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC7.4V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



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

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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 dipole antenna with gain 2.95dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

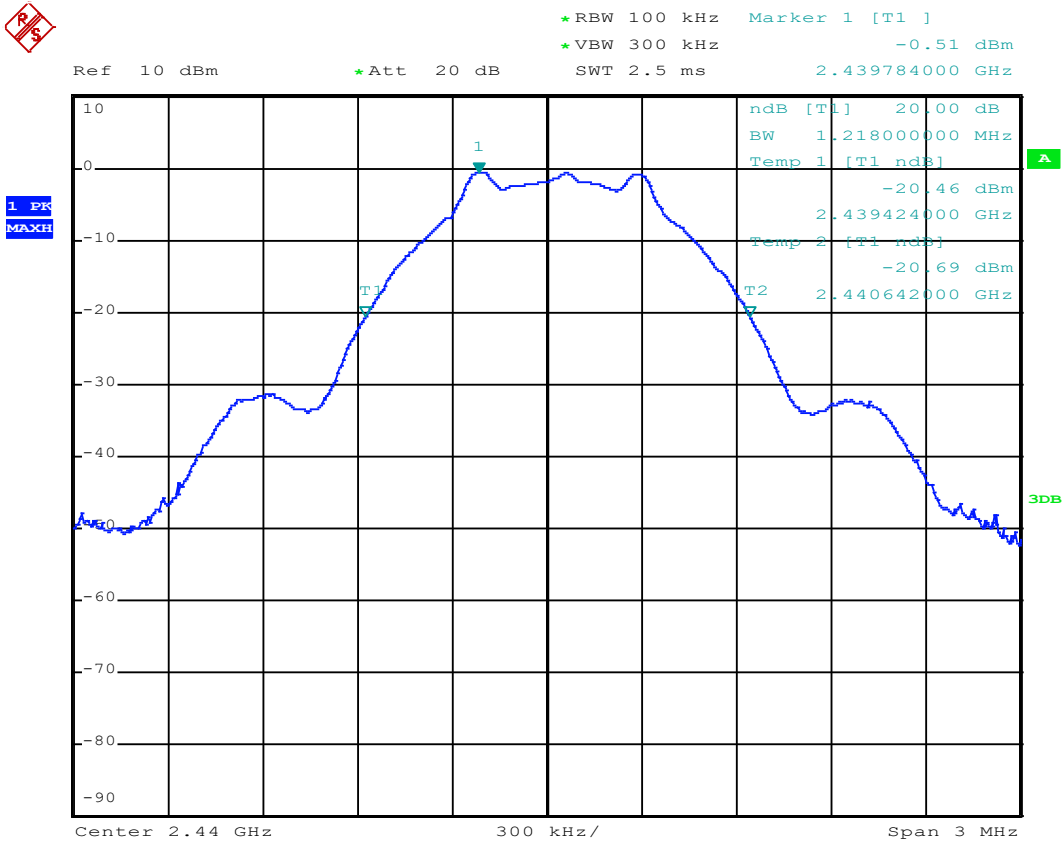
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Product:	controller	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC7.4V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.218MHz	--	--

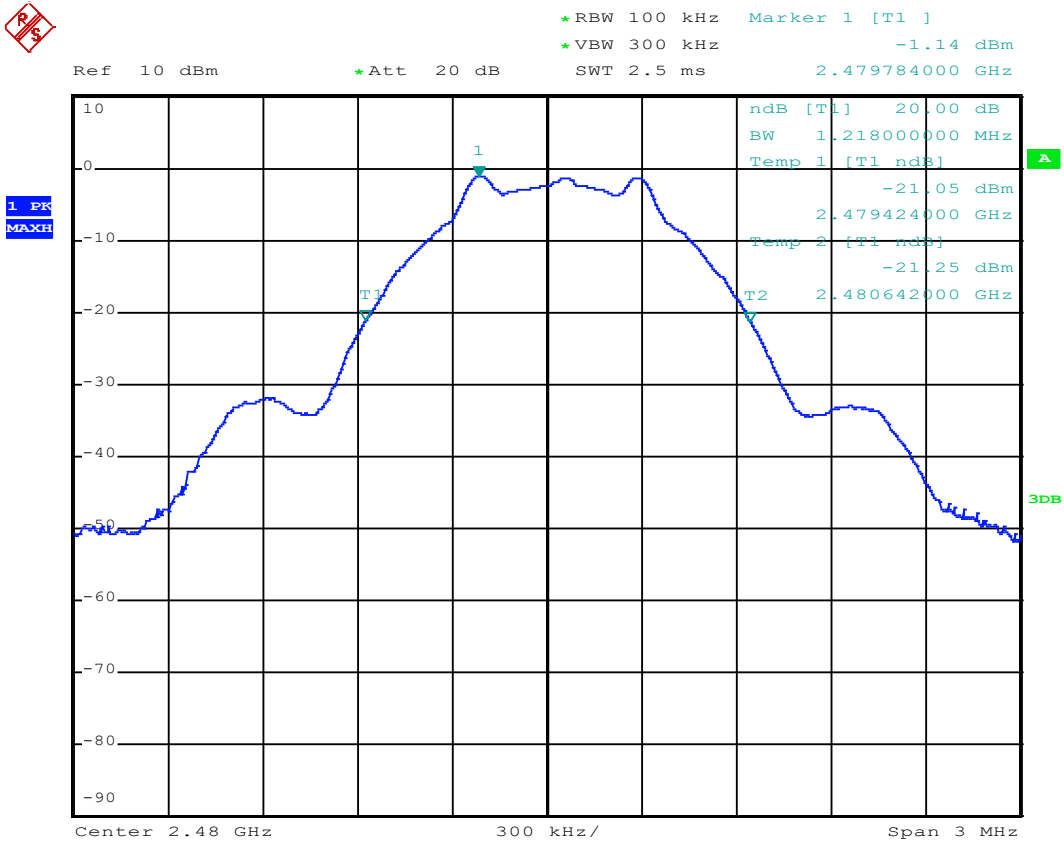


Date: 25.JUL.2025 14:52:23

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Product:	controller	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC7.4V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.218MHz	--	--



Date: 25.JUL.2025 14:55:06

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10.0 FCC ID Label

FCC ID: XAO-WELLCONNECT

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:



FCC Label Location

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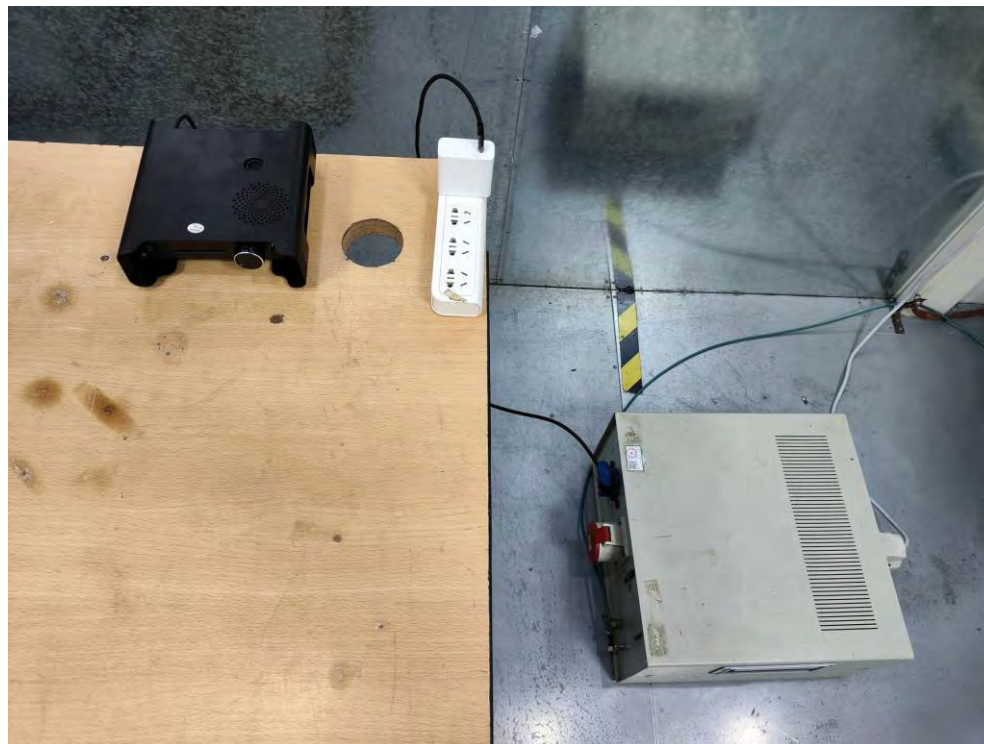
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11.0 Photo of testing

11.1 Conducted test View--



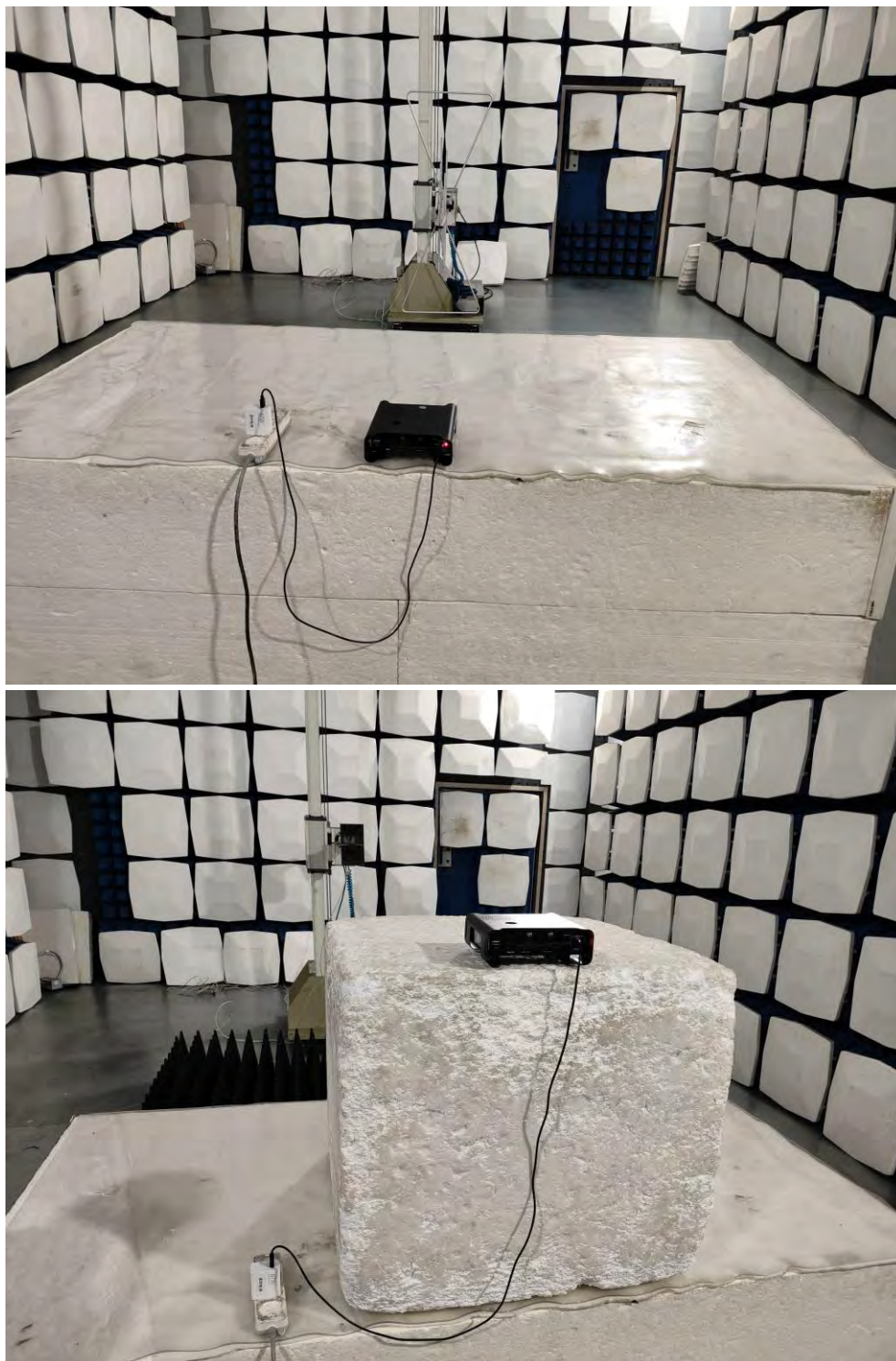
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Radiated emission test view



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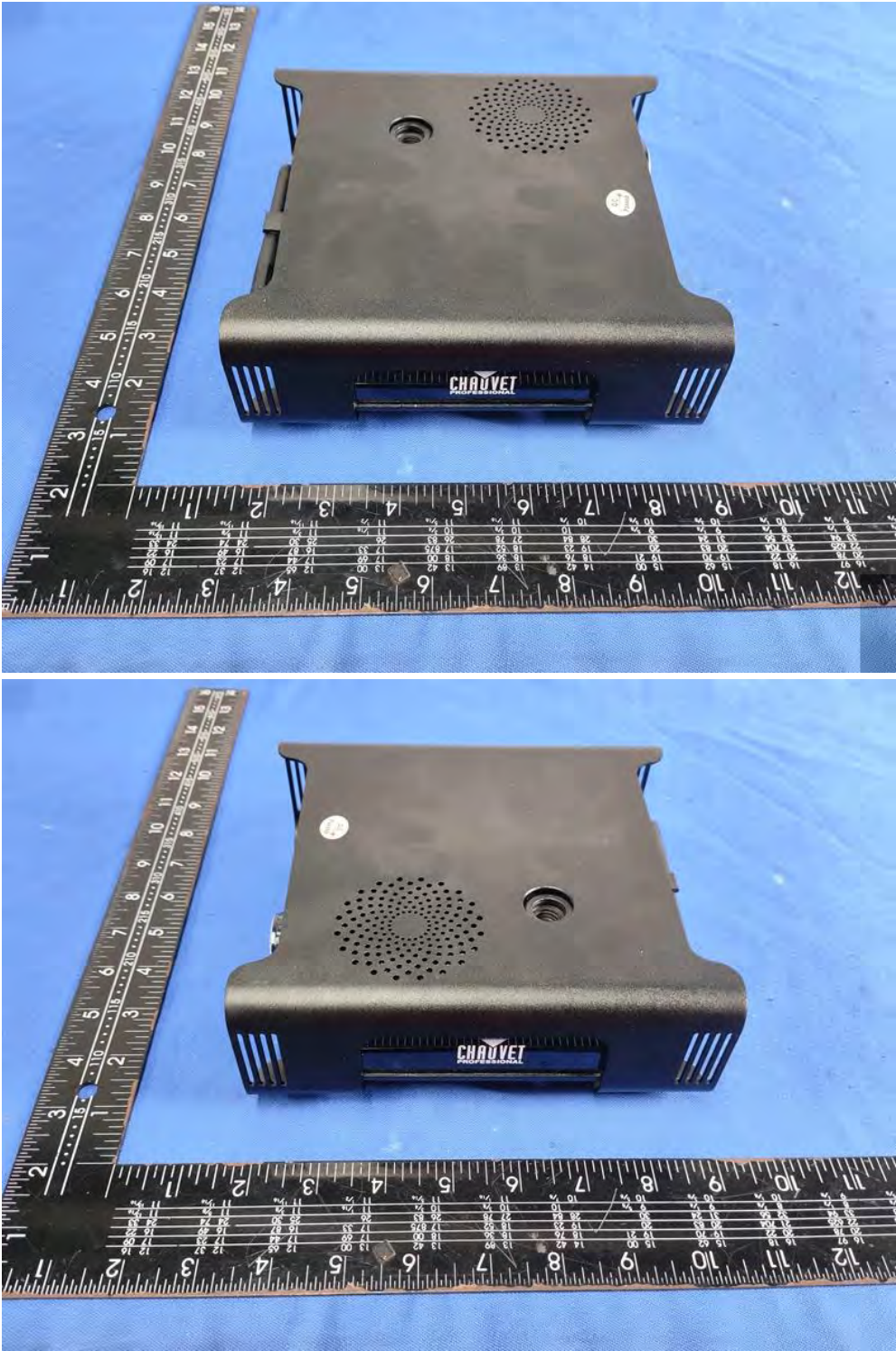
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Photographs – EUT

Outside View



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Outside View



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Outside View



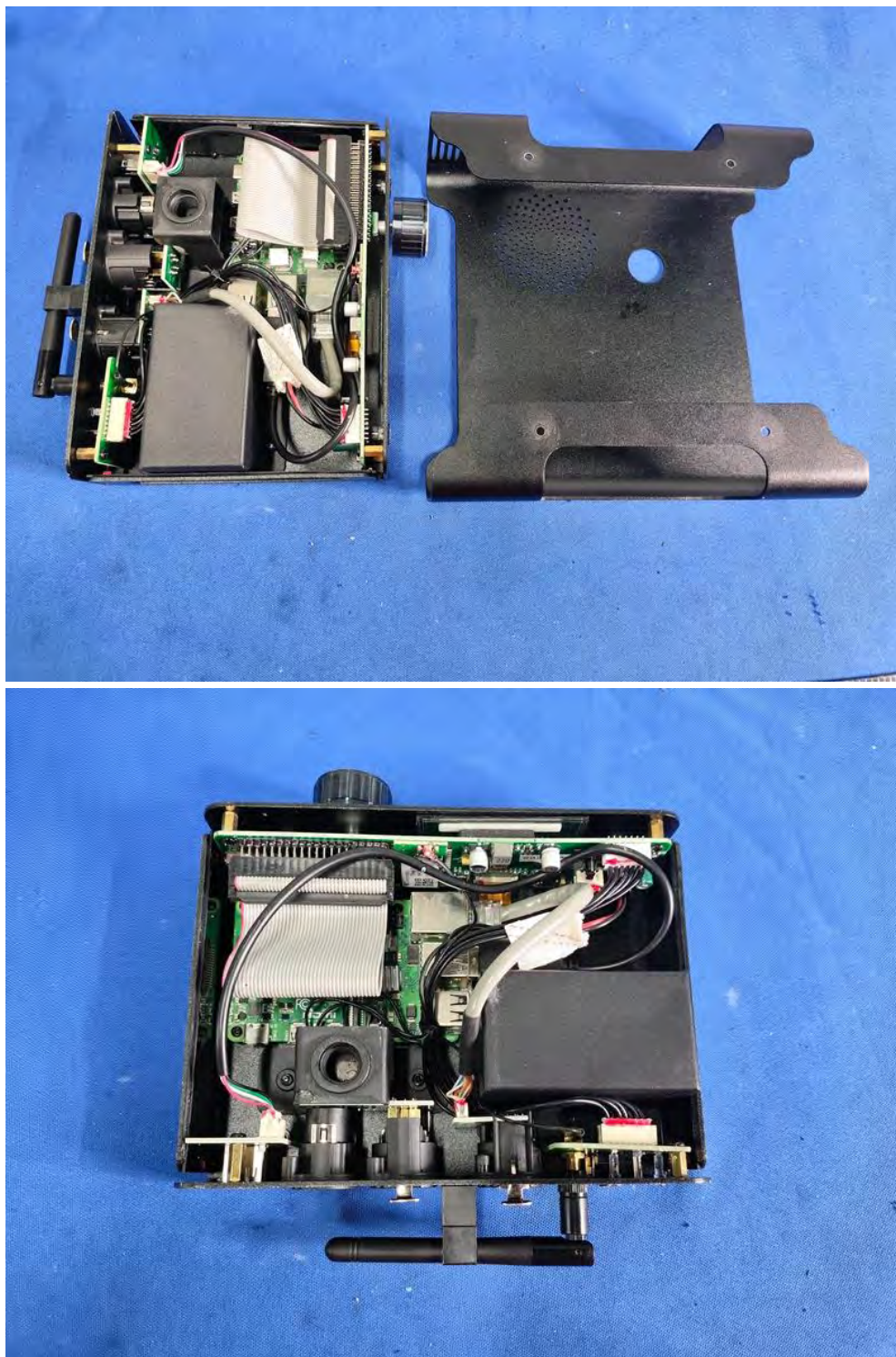
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Inside View



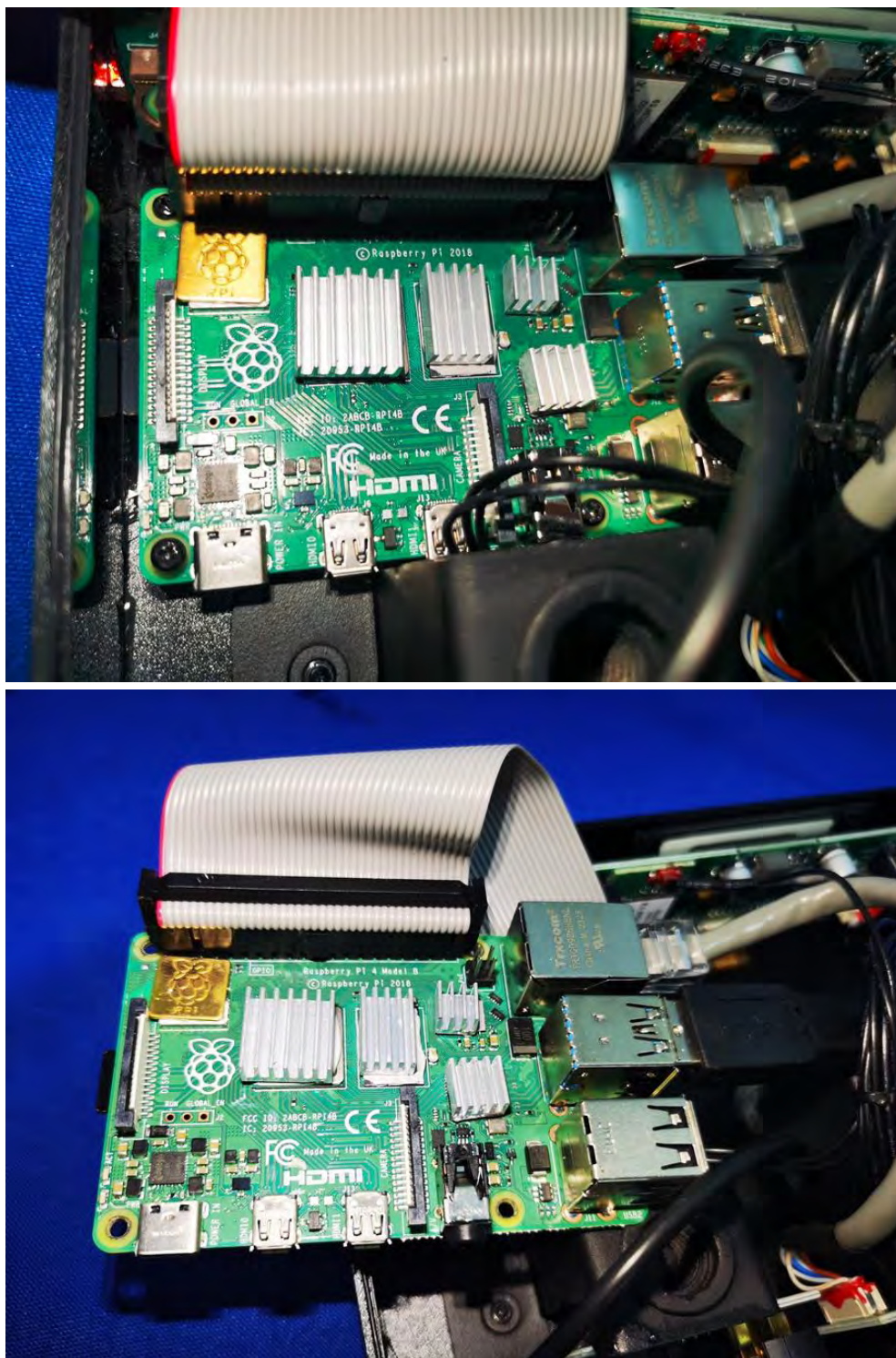
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Inside View



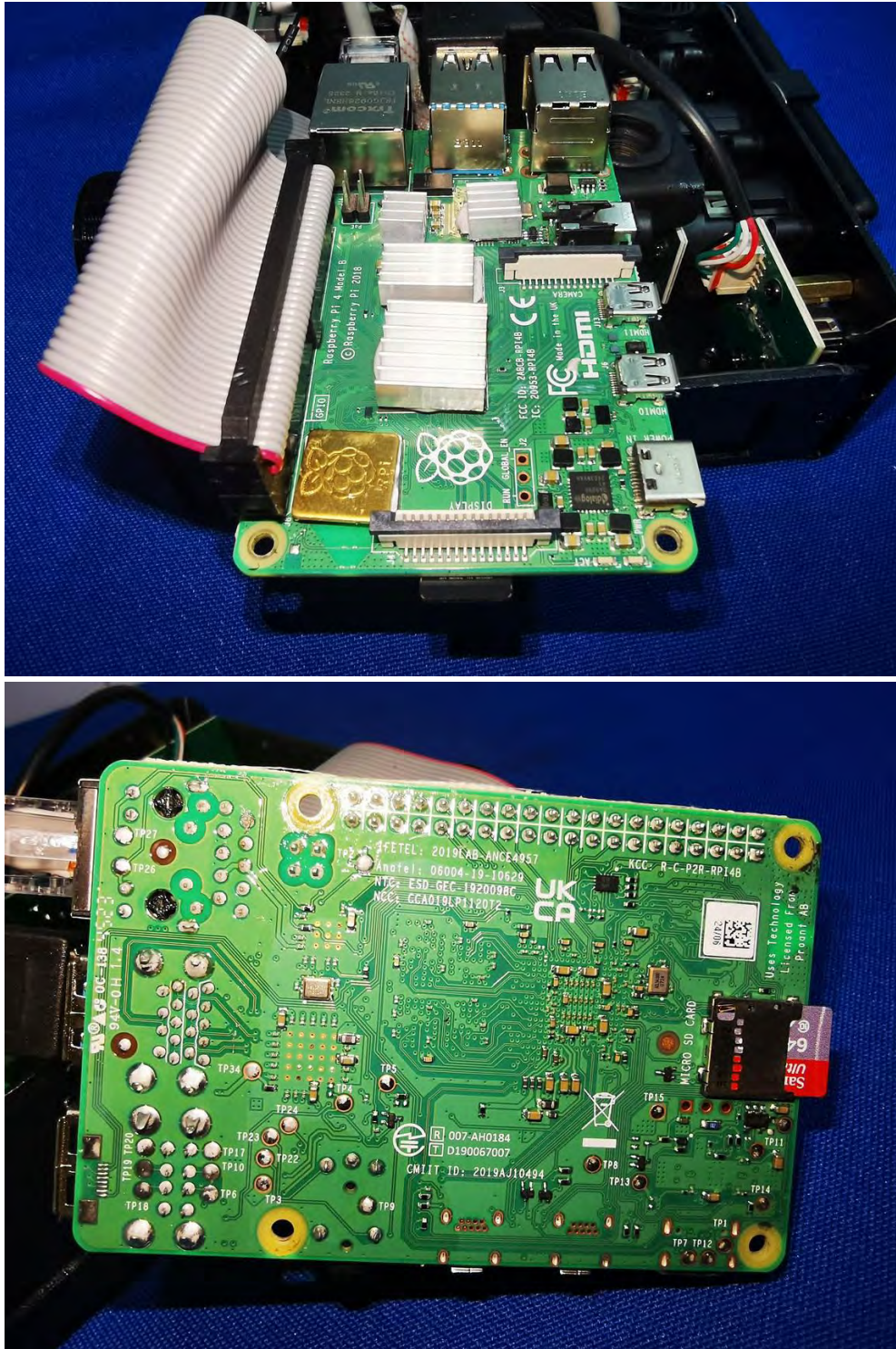
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Inside View



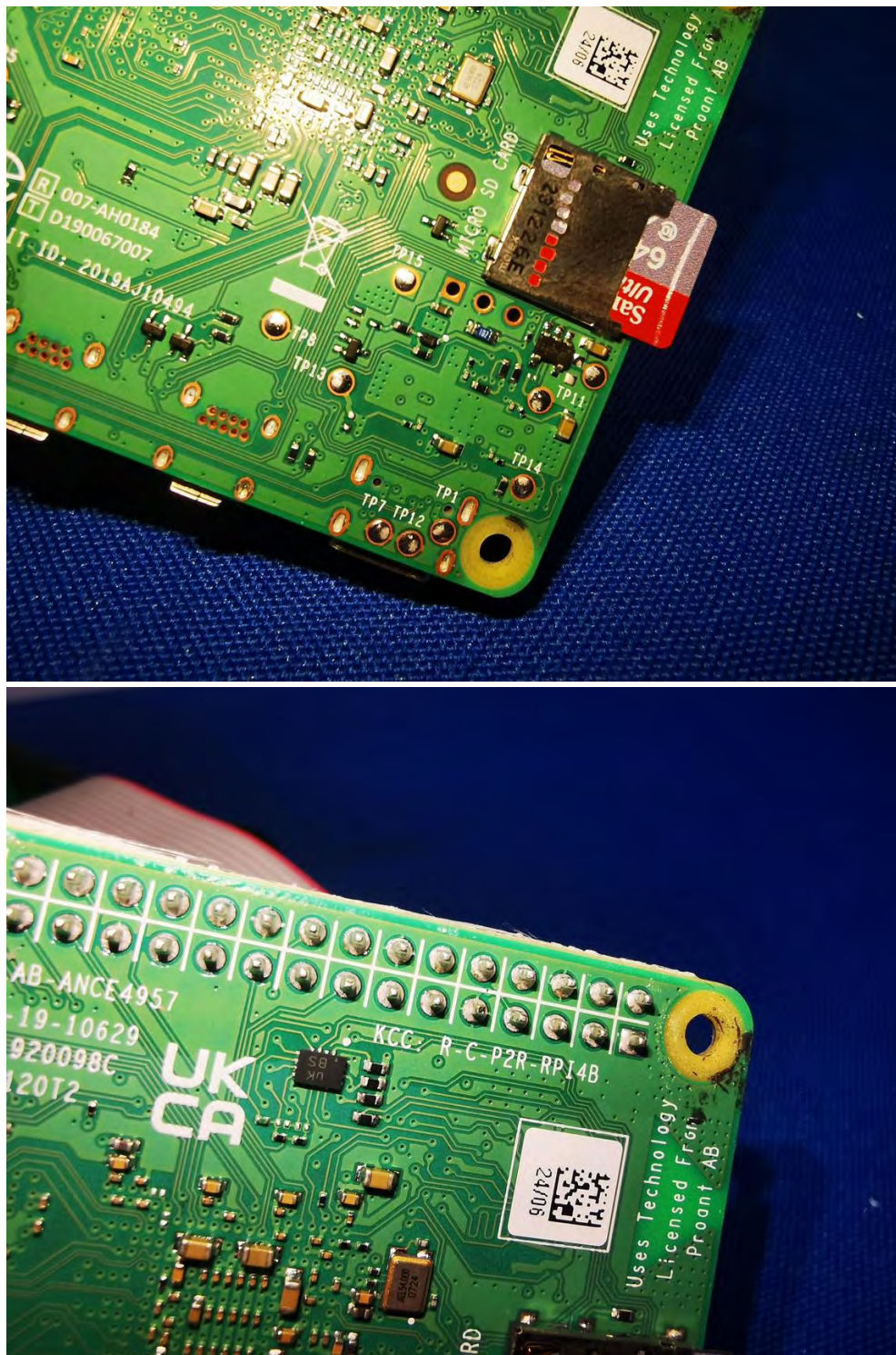
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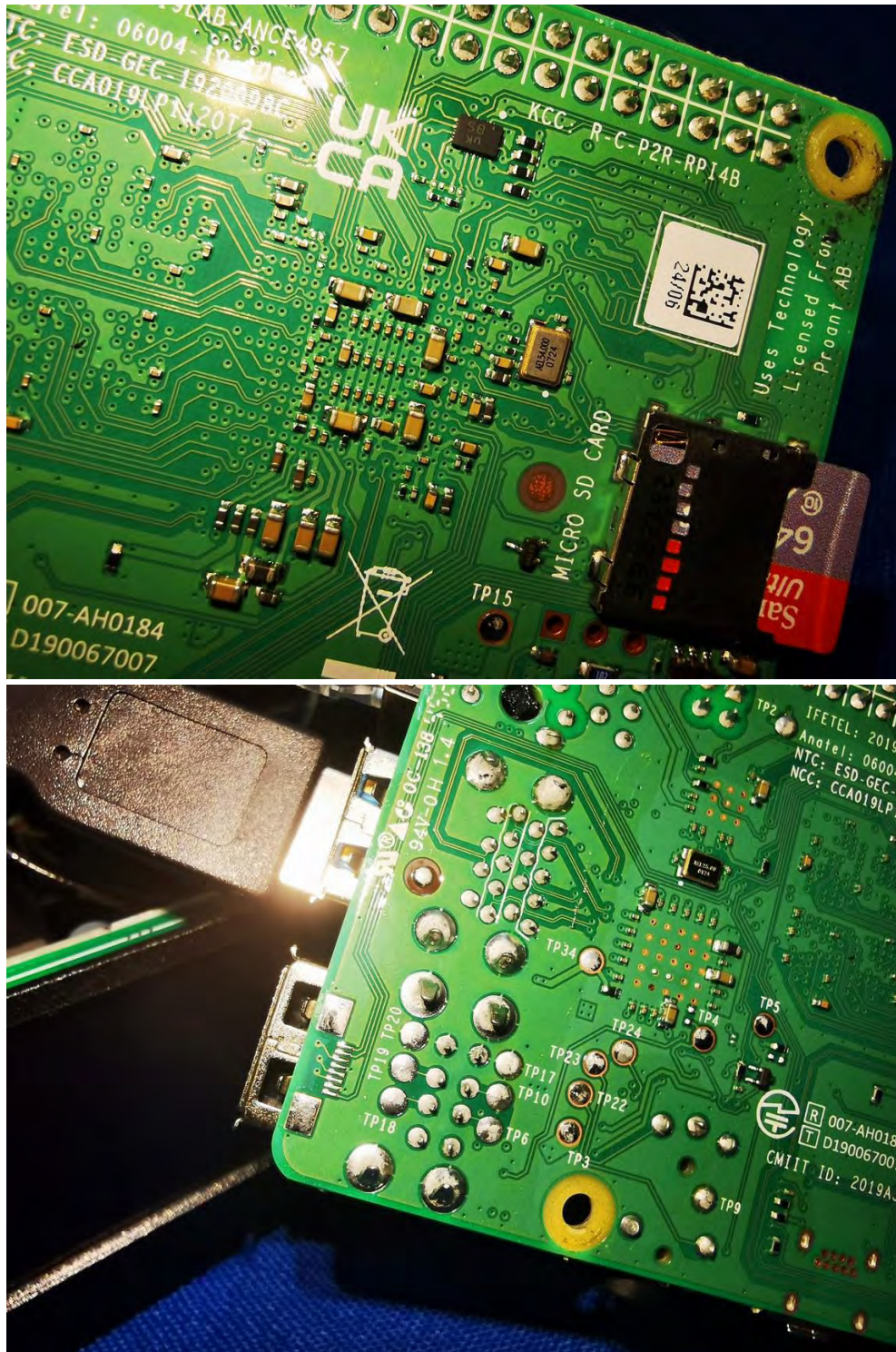
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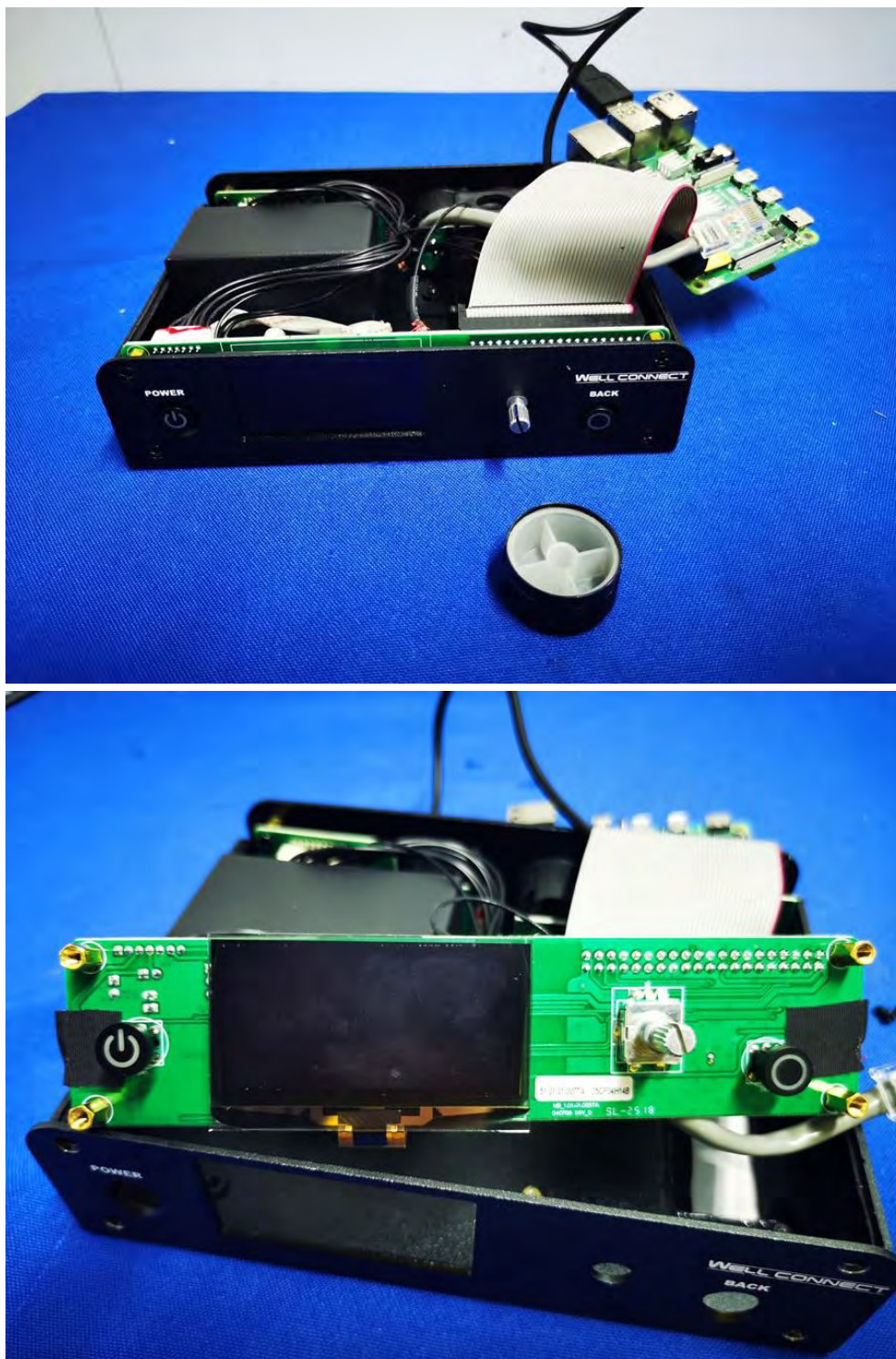
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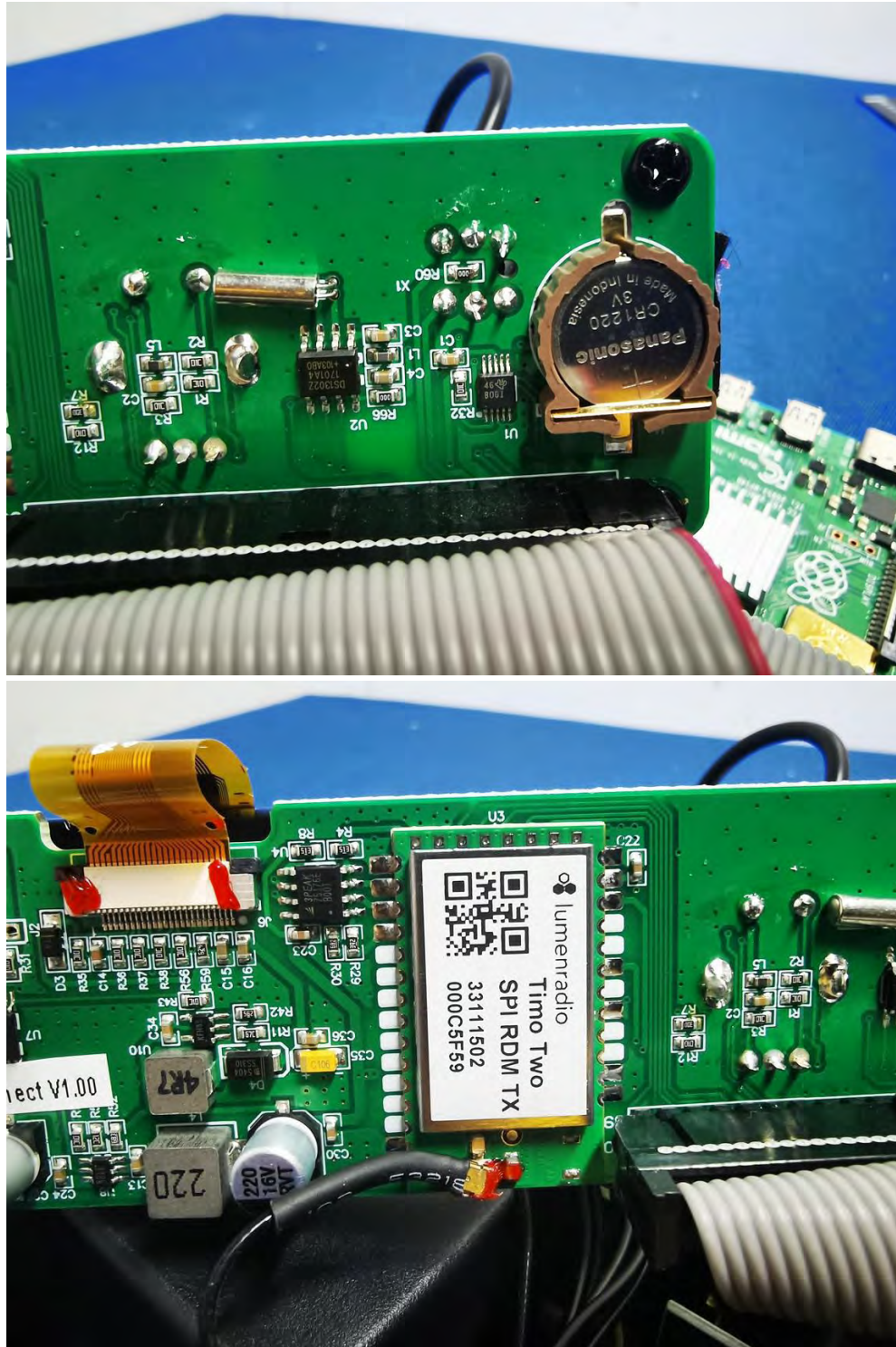
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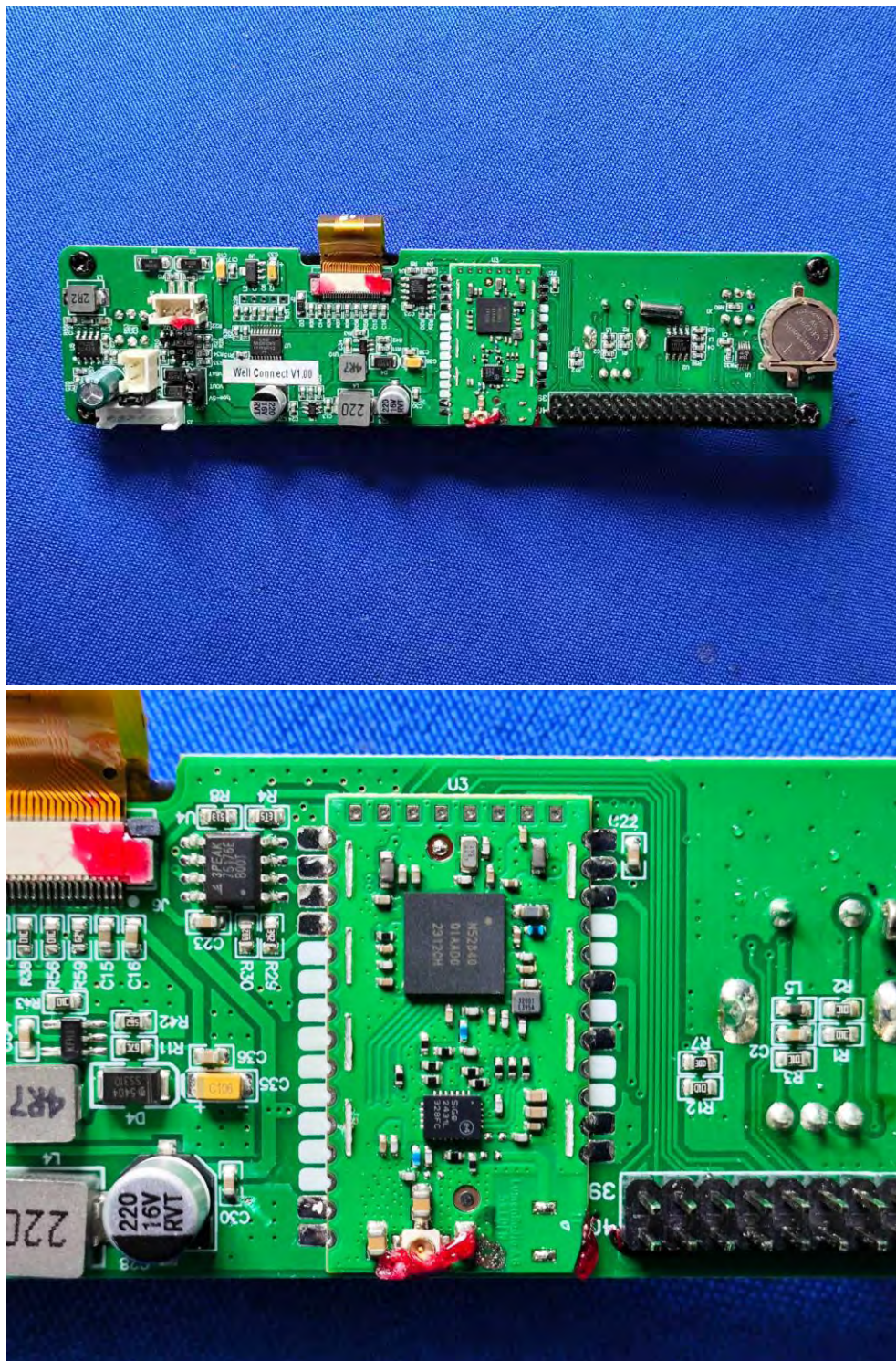
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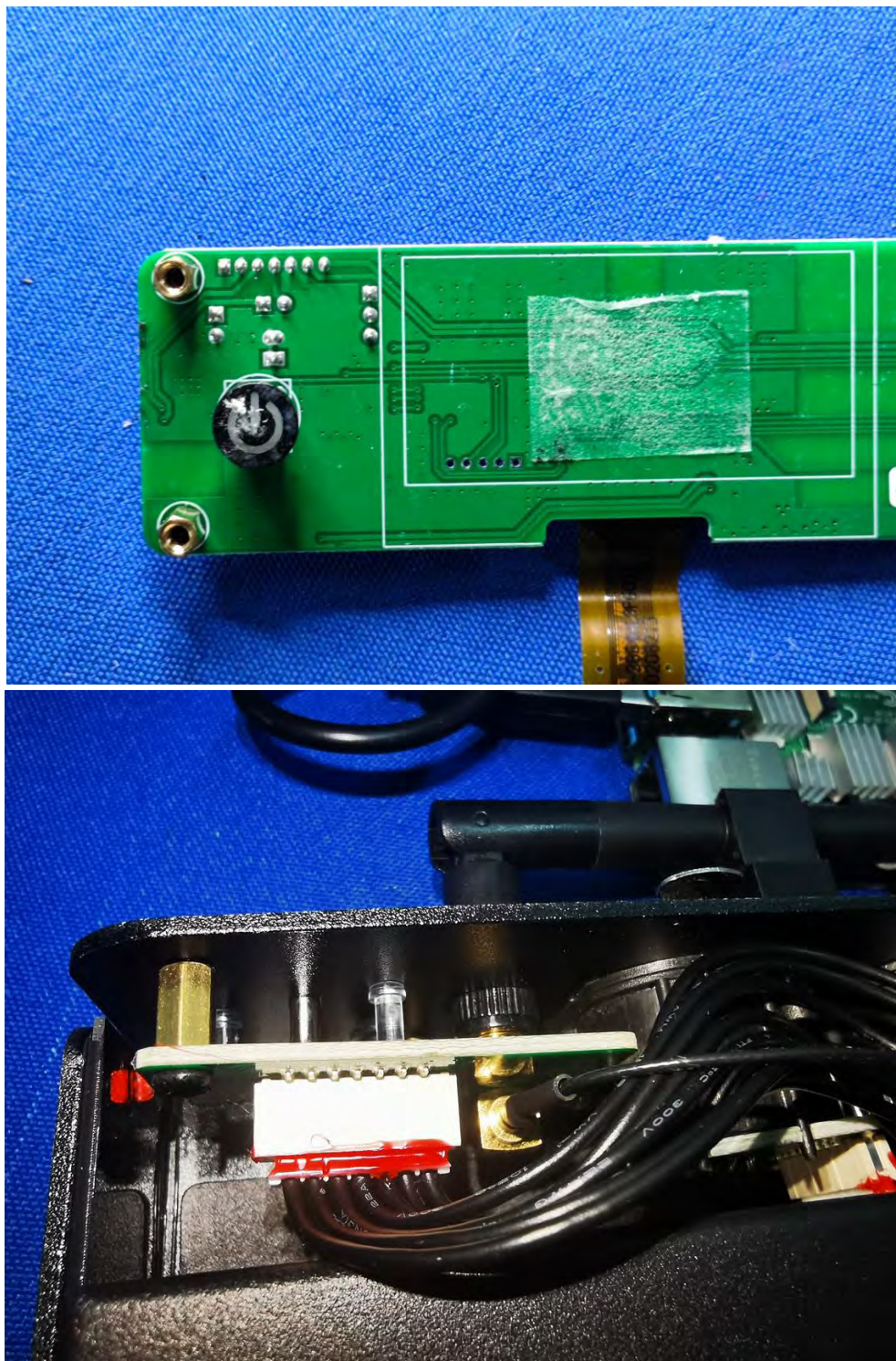
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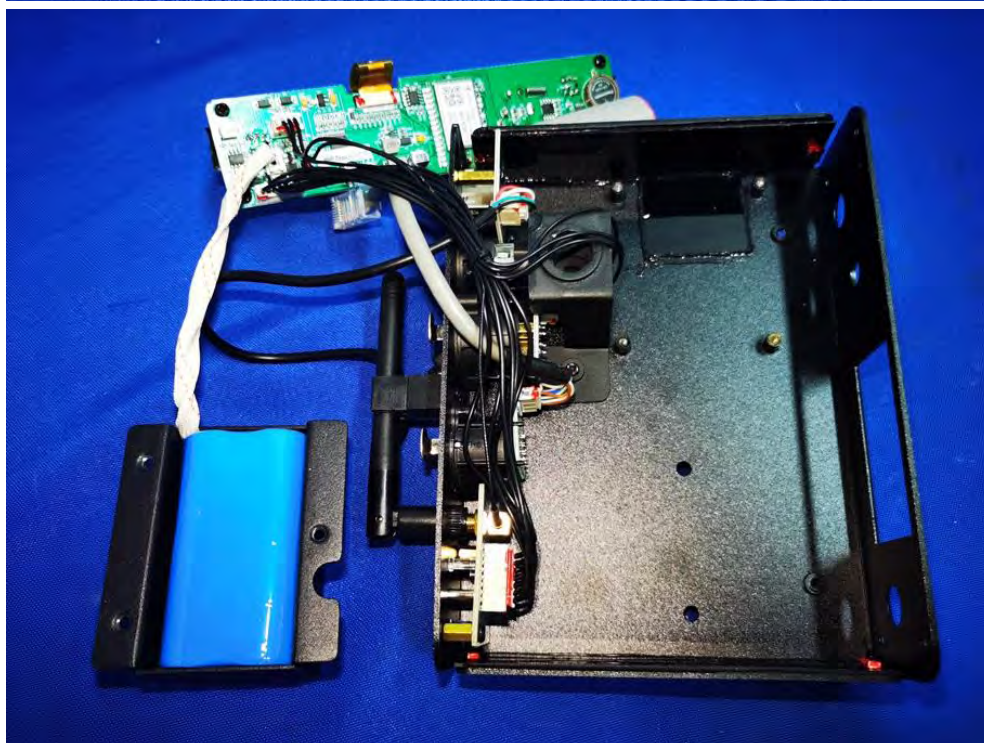
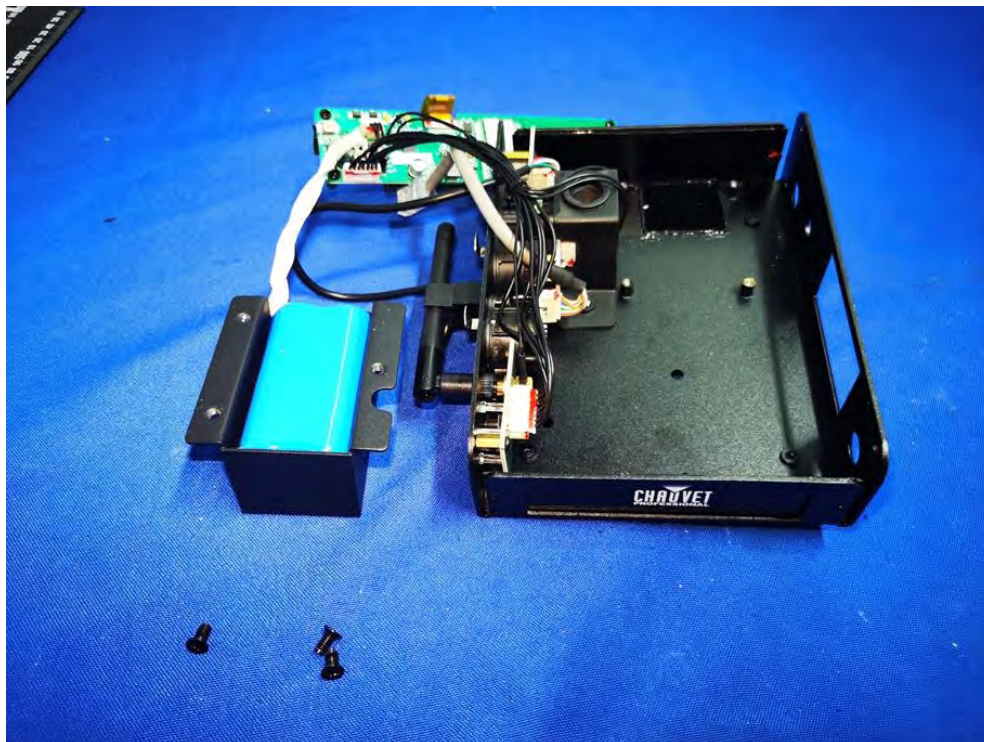
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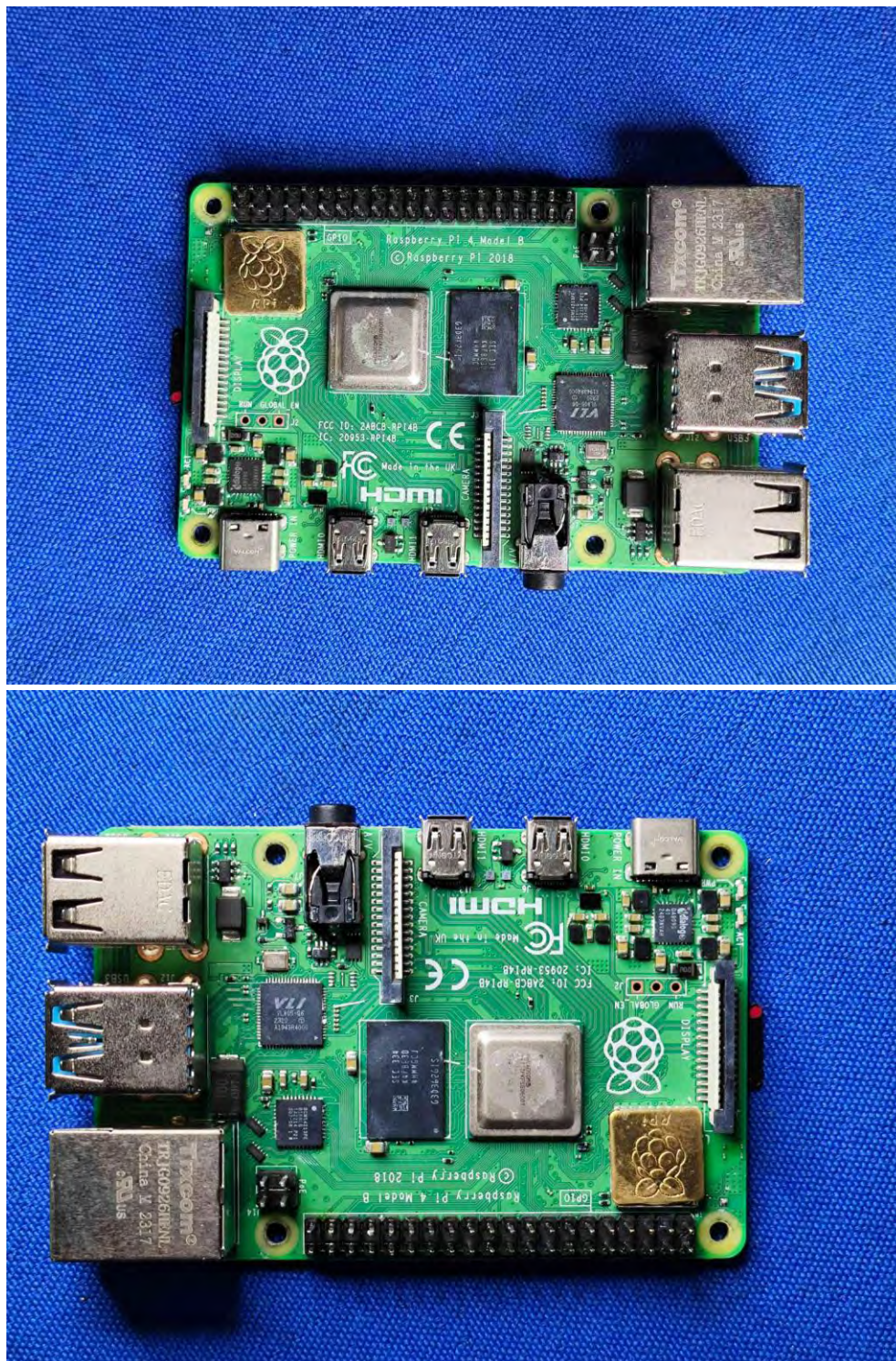
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Inside View



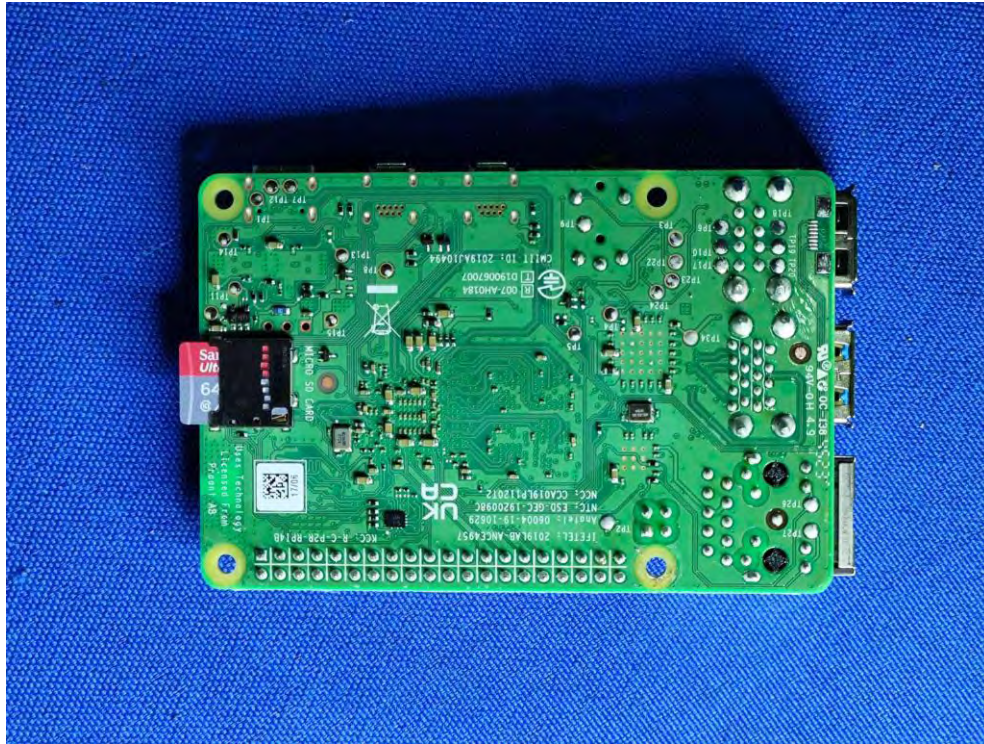
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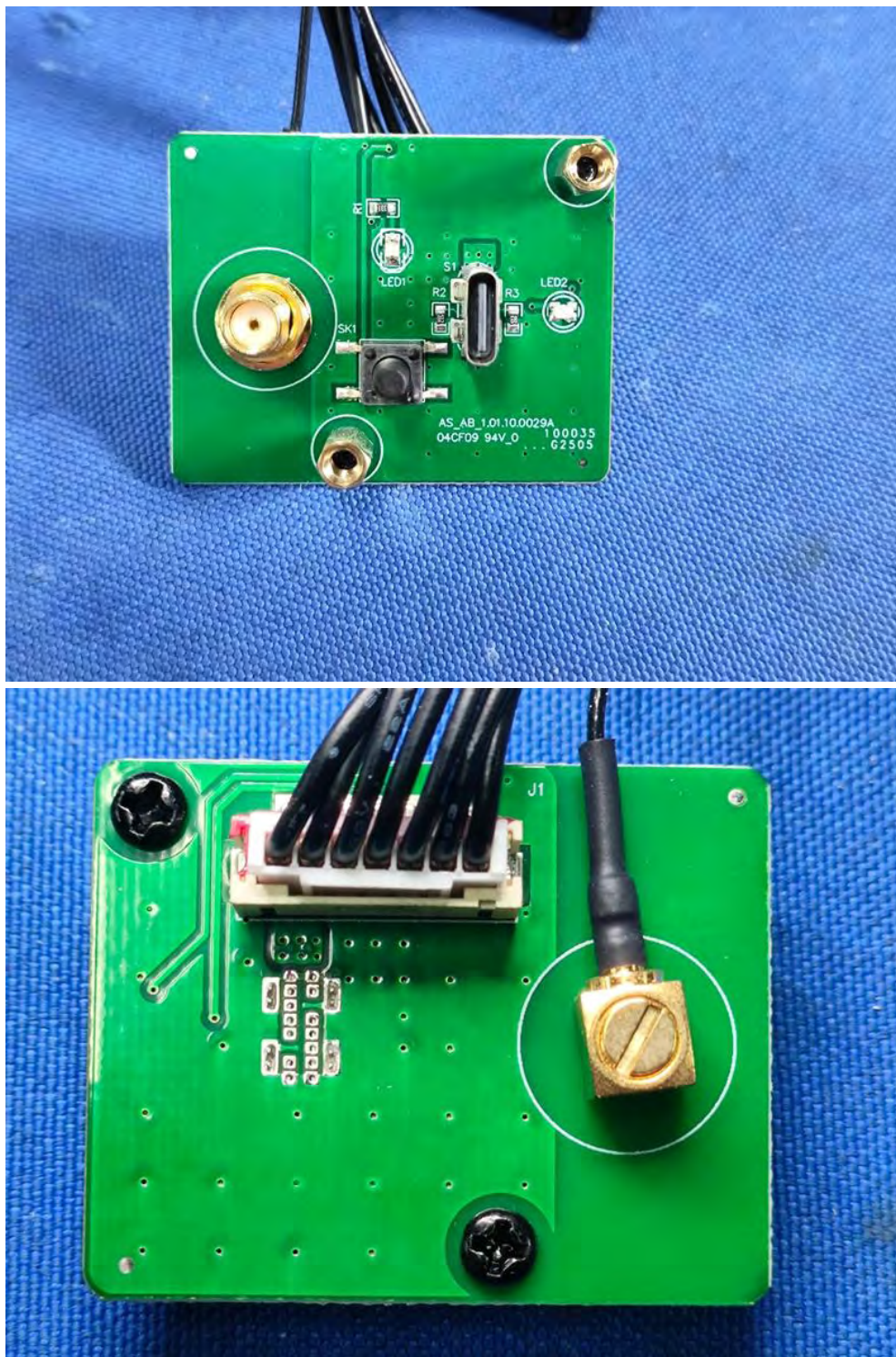
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Inside View



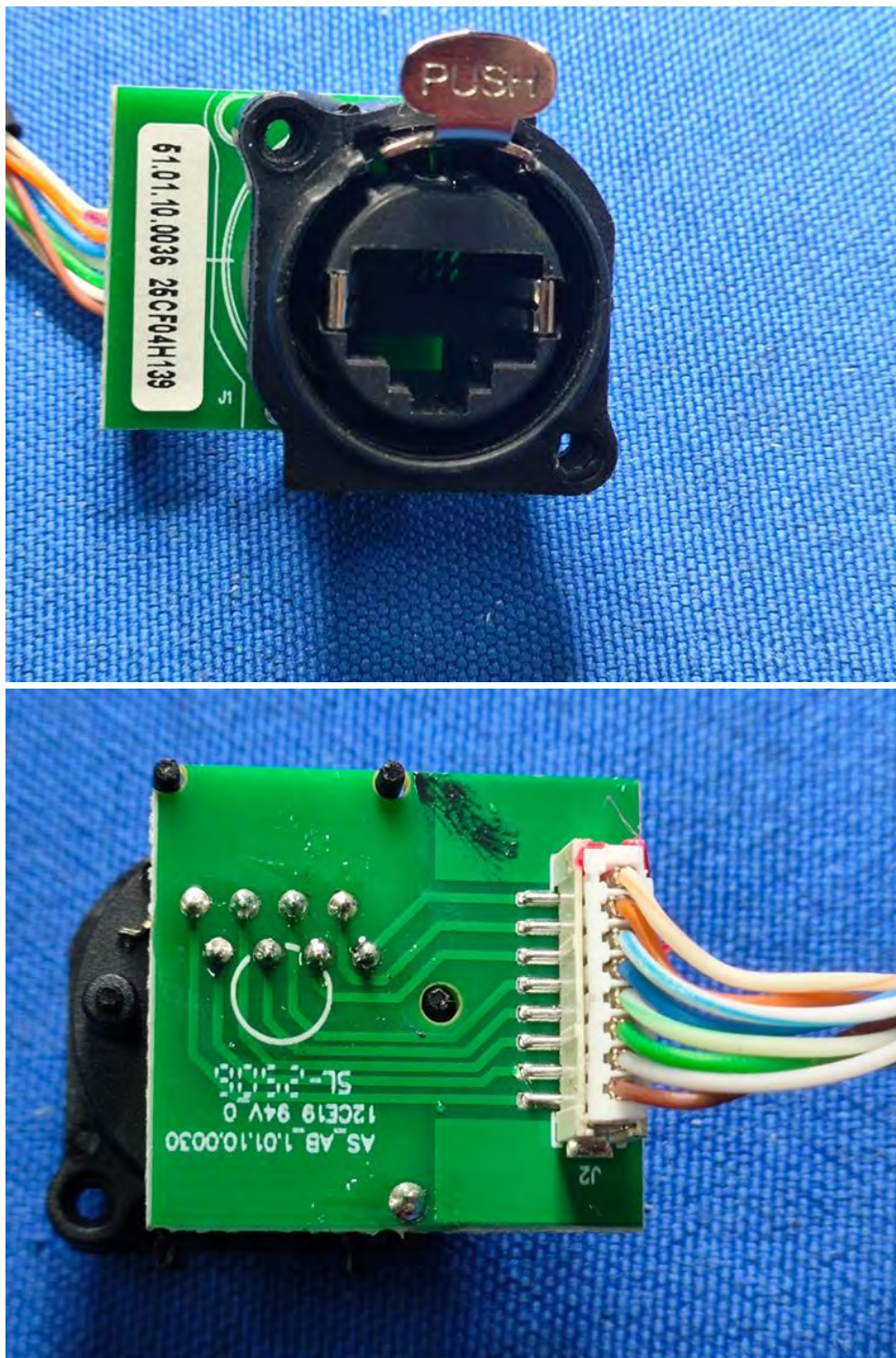
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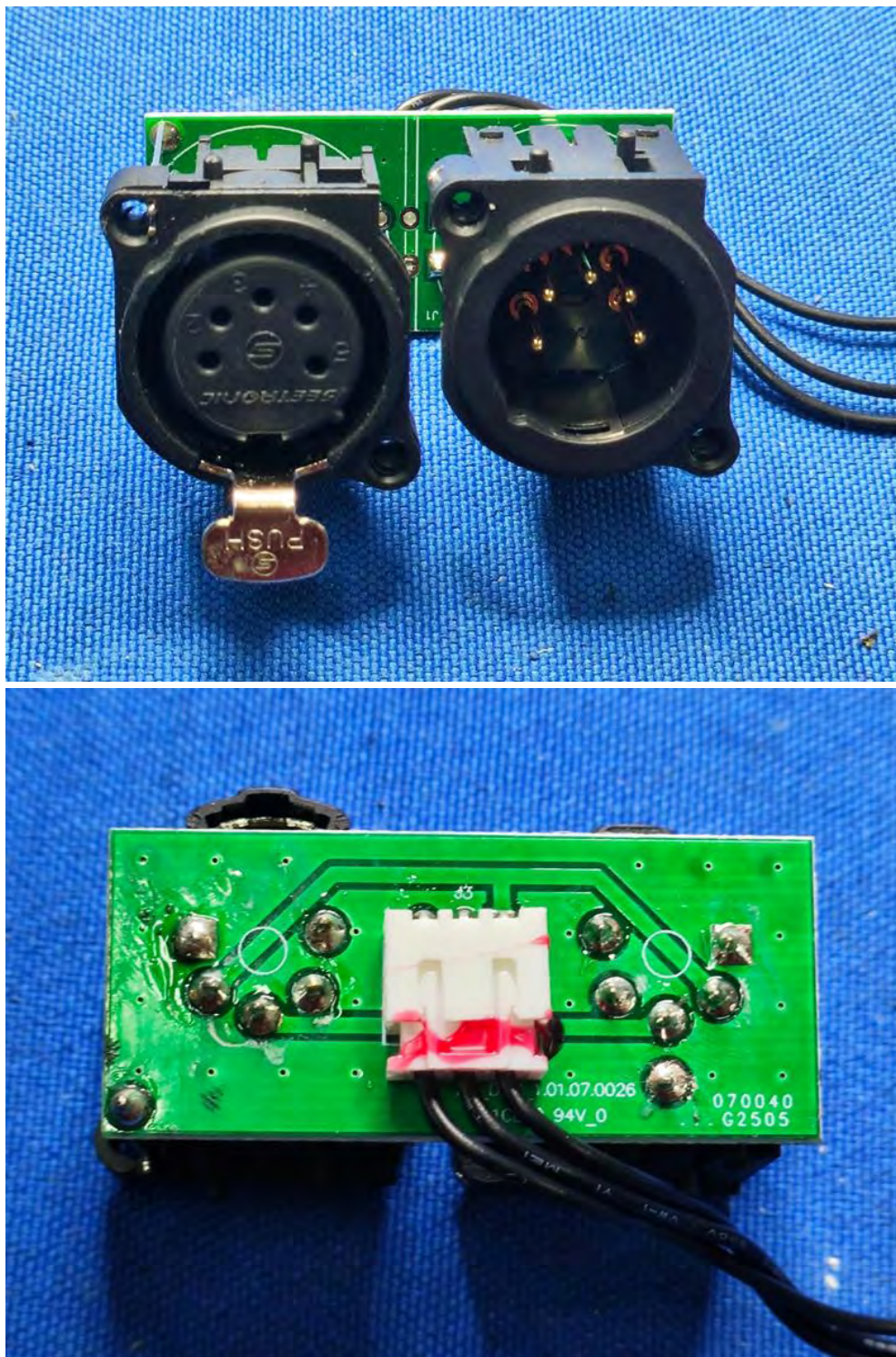
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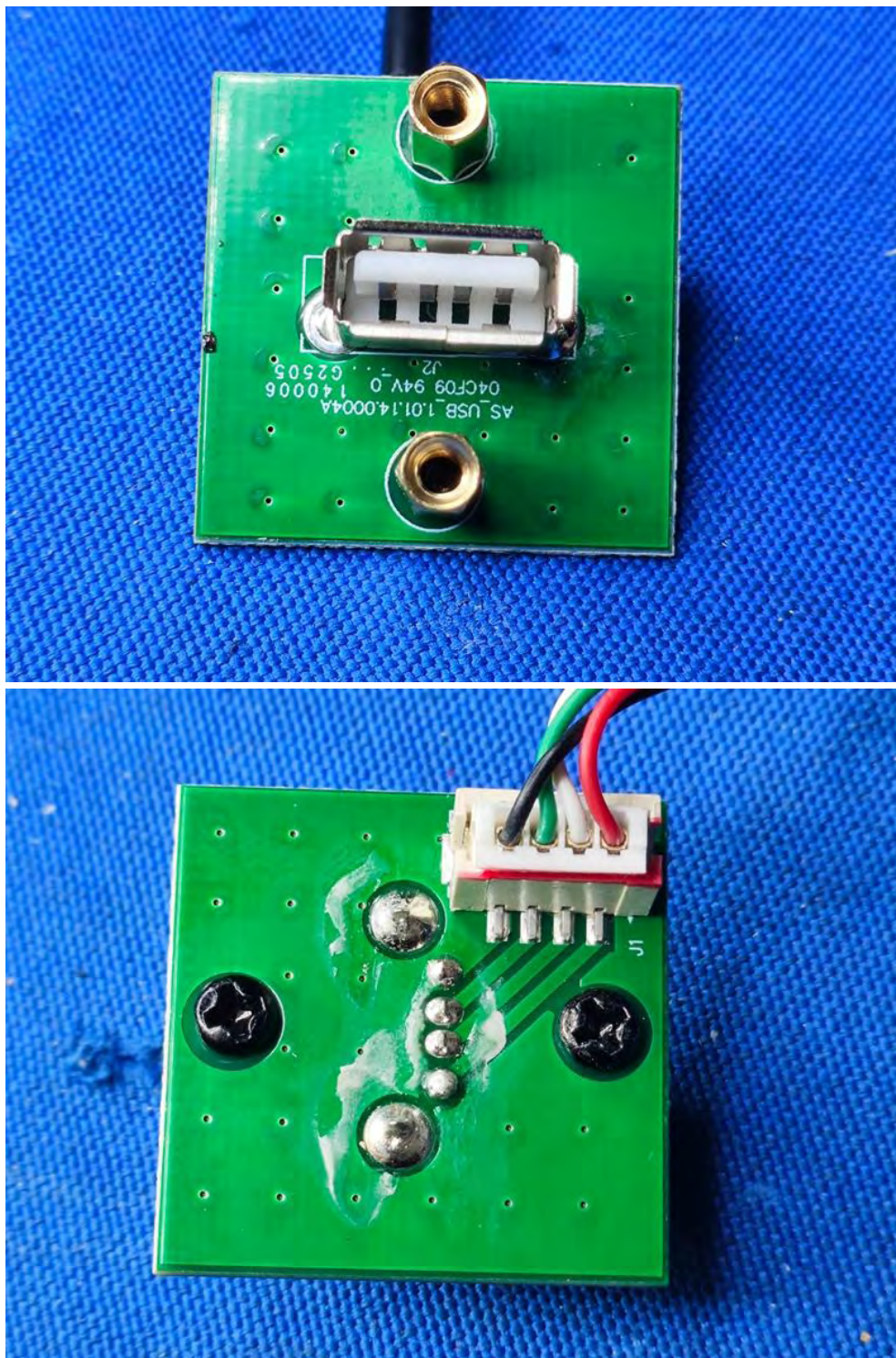
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Inside View



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