



Report No.: TW2309378E

Applicant: Zhuhai Wicue Technology Co.Ltd

Product: Instant Dimming Sunglasses

Model No.: Dragon Gold, Dragon Gun Grey

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

Approved By

Terry Tang

Terry Tang

Manager

Dated: November 20, 2023

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.

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

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: Zhuhai Wicue Technology Co.Ltd
Address: Room 113, Building 19B, No.1889 East Huandao Road, Hengqin District, Zhuhai, Guangdong, China
Telephone: --
Fax: --

1.3 Description of EUT

Product: Instant Dimming Sunglasses
Manufacturer: Zhuhai Wicue Technology Co.Ltd
Address: Room 113, Building 19B, No.1889 East Huandao Road, Hengqin District, Zhuhai, Guangdong, China
Trademark: N/A
Model Number: Dragon Gold
Additional Model Name: Dragon Gun Grey
Rating: Input: DC5V, 100mA
Battery: DC3.85V, 60mAh Li-ion battery
Modulation Type: GFSK
Operation Frequency: 2402-2480MHz
Channel Number: 40
Channel Separation: 2MHz
Hardware Version: Dragon_R-20230712-V1.2, Dragon_L-20230712-V1.2
Software Version: Dragon_R-20230712-V1.2, Dragon_L-20230712-V1.2
Serial No.: 1869ZW1000001
Antenna Designation: PCB antenna with gain -0.58dBi Max for left and Right Parts (Get from the antenna specification)

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1.4 Submitted Sample: 3 Samples

1.5 Test Duration

2023-09-27 to 2023-11-20

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

Andy-xing

Print Name: Andy Xing

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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	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100294	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100253	2023-07-14	2024-07-13
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2023-07-14	2024-07-13
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2023-07-14	2024-07-13
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	2023-07-14	2024-07-13
Power sensor	Anritsu	MA2491A	32263	2023-07-14	2024-07-13
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	2023-07-14	2024-07-13
EMI Test Receiver	RS	ESCS 30	834115/006	2023-07-14	2024-07-13
Spectrum	HP/Agilent	E4407B	MY50441392	2023-07-14	2024-07-13
Spectrum	RS	FSP	1164.4391.38	2023-07-14	2024-07-13
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2023-07-14	2024-07-13
RF Cable	Zhengdi	7m	--	2023-07-14	2024-07-13
Pre-Amplifier	Schwarebeck	BBV9743	#218	2023-07-14	2024-07-13
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2023-07-14	2024-07-13
LISN	SCHAFFNER	NNB42	00012	2023-07-14	2024-07-13
ESPI Test Receiver	R&S	ESPI 3	100379	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100294	2023-07-14	2024-07-13

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 C63.4 :2014 and ANSI C63.10 :2013

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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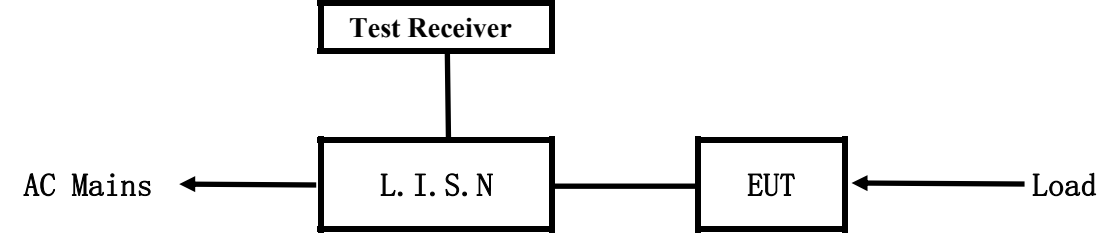
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test



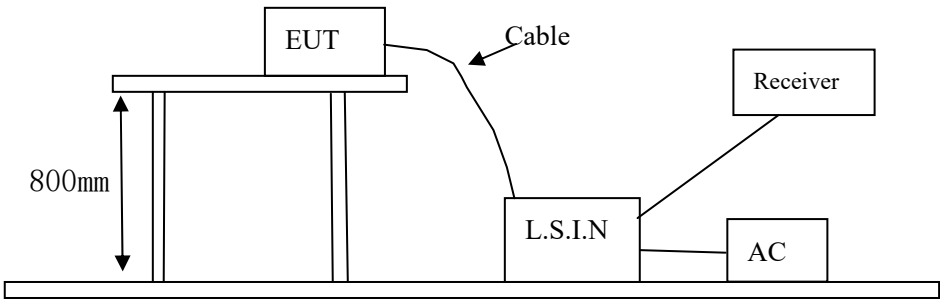
EUT: Equipment Under Test

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 C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

40 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
Instant Dimming Sunglasses	Zhuhai Wicue Technology Co.Ltd	Dragon Gold, Dragon Gun Grey	2A43V-DRAGON

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	KEYU	KA23-0502000DEU	Input: 100-240V~, 50/60Hz, 0.35A; Output: DC5V, 2A

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013

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 (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:

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

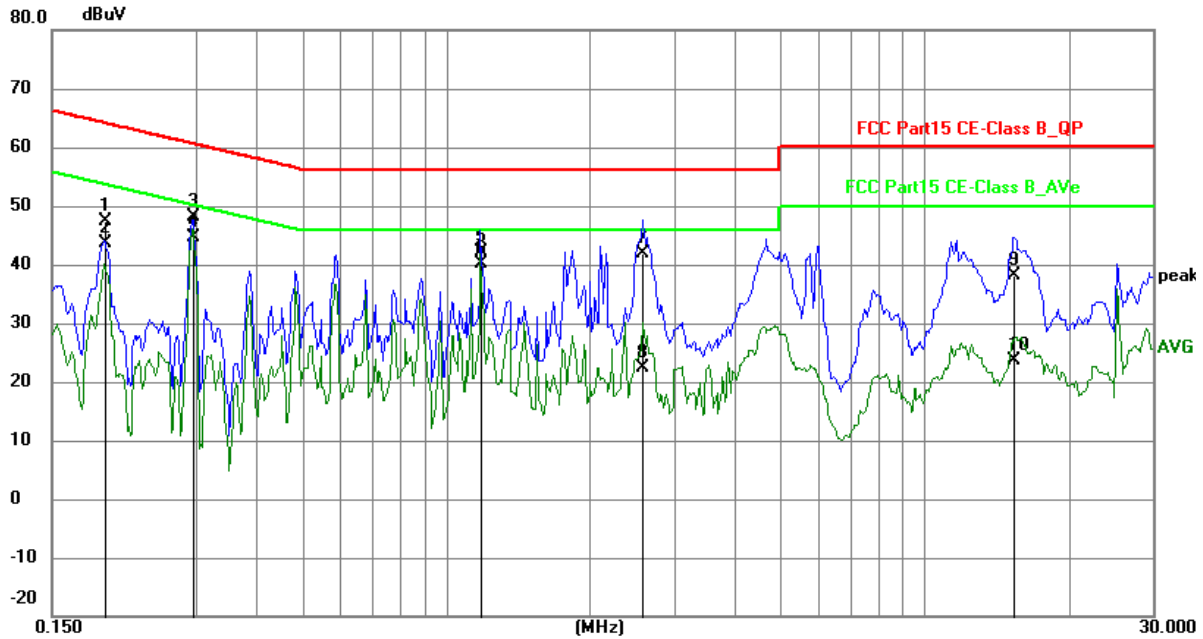
EUT Operating Environment

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

EUT set Condition: Keep 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	0.1929	37.54	9.75	47.29	63.91	-16.62	QP	P
2	0.1929	33.90	9.75	43.65	53.91	-10.26	AVG	P
3	0.2943	38.42	9.76	48.18	60.40	-12.22	QP	P
4	0.2943	34.92	9.76	44.68	50.40	-5.72	AVG	P
5	1.1835	32.32	9.79	42.11	56.00	-13.89	QP	P
6	1.1835	30.22	9.79	40.01	46.00	-5.99	AVG	P
7	2.5719	32.10	9.82	41.92	56.00	-14.08	QP	P
8	2.5719	12.62	9.82	22.44	46.00	-23.56	AVG	P
9	15.3786	27.73	10.40	38.13	60.00	-21.87	QP	P
10	15.3786	13.20	10.40	23.60	50.00	-26.40	AVG	P

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

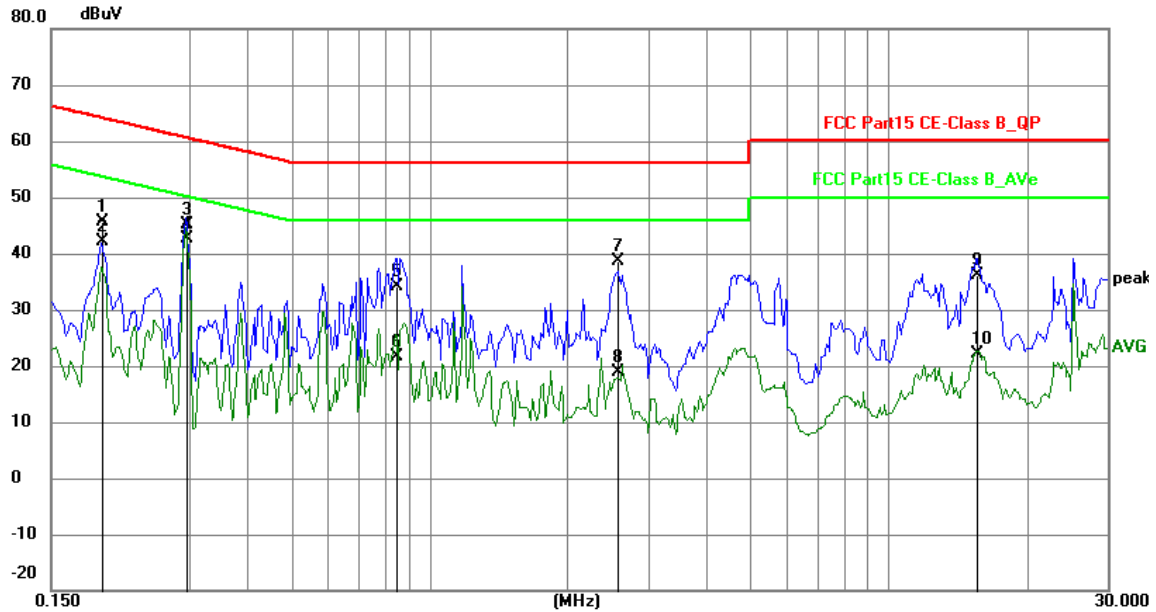
EUT Operating Environment

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

EUT set Condition: Keep 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	0.1929	35.90	9.75	45.65	63.91	-18.26	QP	P
2	0.1929	32.32	9.75	42.07	53.91	-11.84	AVG	P
3	0.2943	35.43	9.76	45.19	60.40	-15.21	QP	P
4	0.2943	32.92	9.76	42.68	50.40	-7.72	AVG	P
5	0.8481	24.30	9.78	34.08	56.00	-21.92	QP	P
6	0.8481	11.77	9.78	21.55	46.00	-24.45	AVG	P
7	2.5679	28.93	9.82	38.75	56.00	-17.25	QP	P
8	2.5679	8.97	9.82	18.79	46.00	-27.21	AVG	P
9	15.5463	25.66	10.41	36.07	60.00	-23.93	QP	P
10	15.5463	11.60	10.41	22.01	50.00	-27.99	AVG	P

Note: Both Left and right parts were tested and only the worst case was recorded in the test report.

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6 Radiated Emission Test

6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2013. 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 9kHz to 25 GHz was investigated. The frequency spectrum is set as follows:

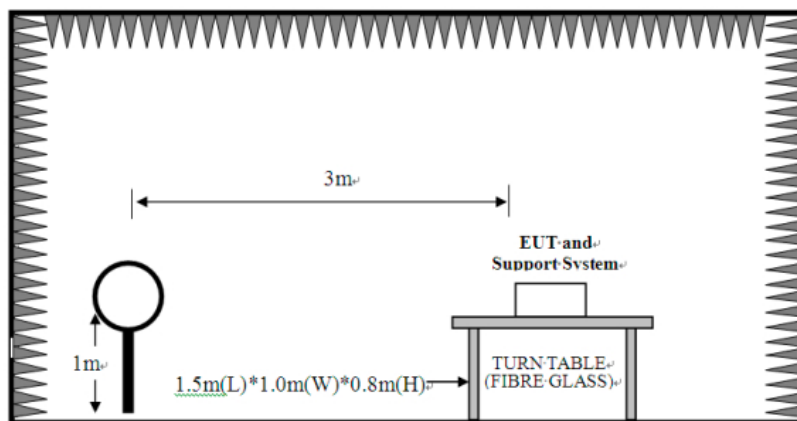
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
	Peak	1MHz	10Hz	Average

(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



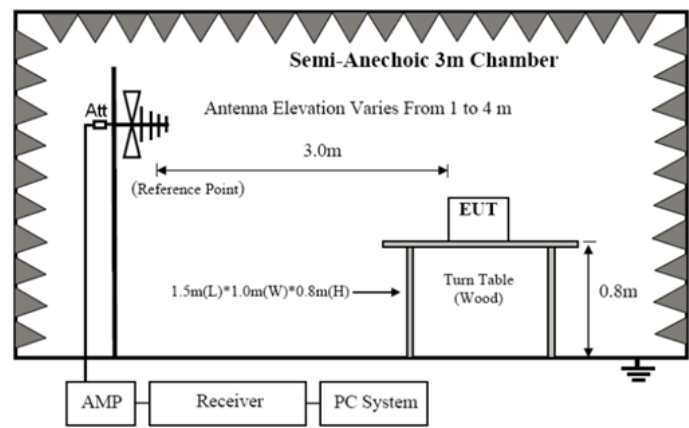
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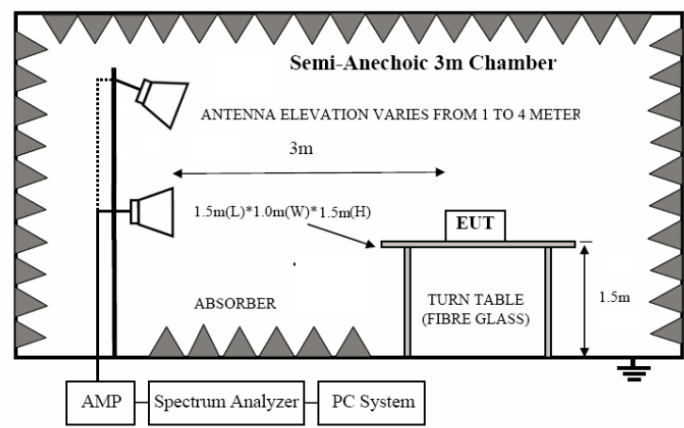
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For radiated emissions from 30MHz to 1GHz



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.

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 (MHz)	Field Strength of Fundamental (3m)		Field Strength of Harmonics (3m)	
	mV/m	dBuV/m	uV/m	dBuV/m

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2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)
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- 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
30-80	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 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. This is a portable device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
 6. Battery fully charged was used during the test.

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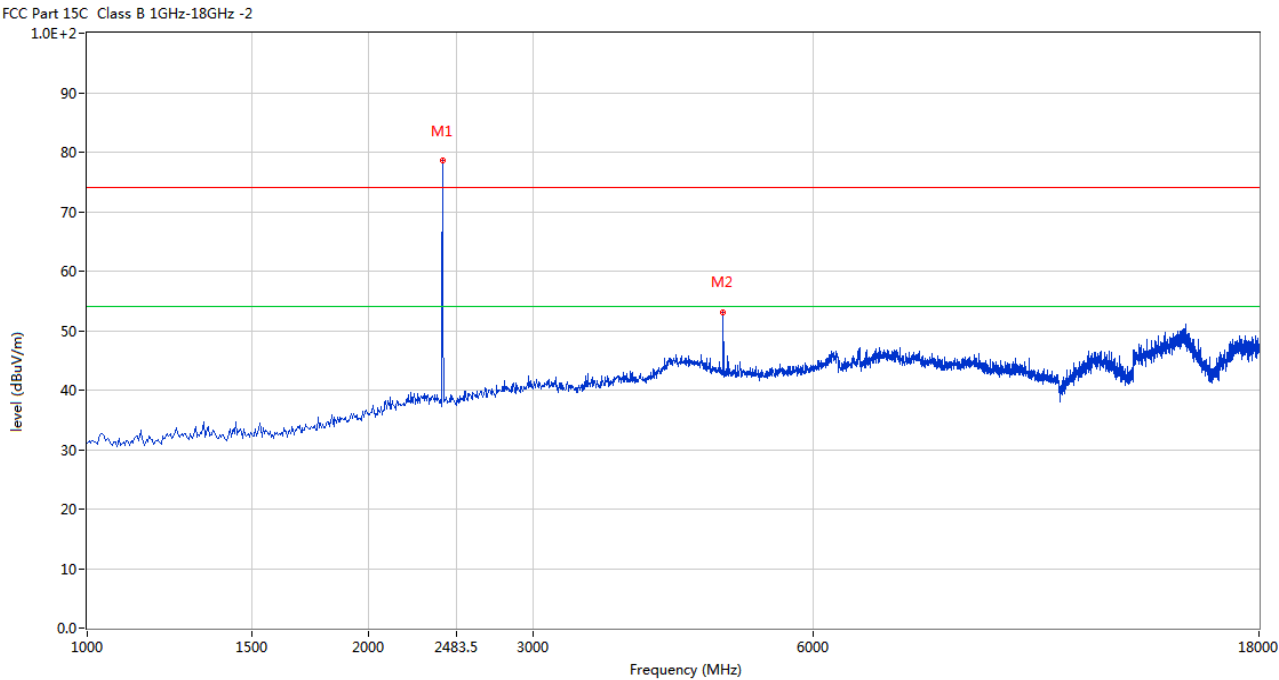


6.5 Test result
A Fundamental & Harmonics Radiated Emission Data

Left Part

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

Horizontal

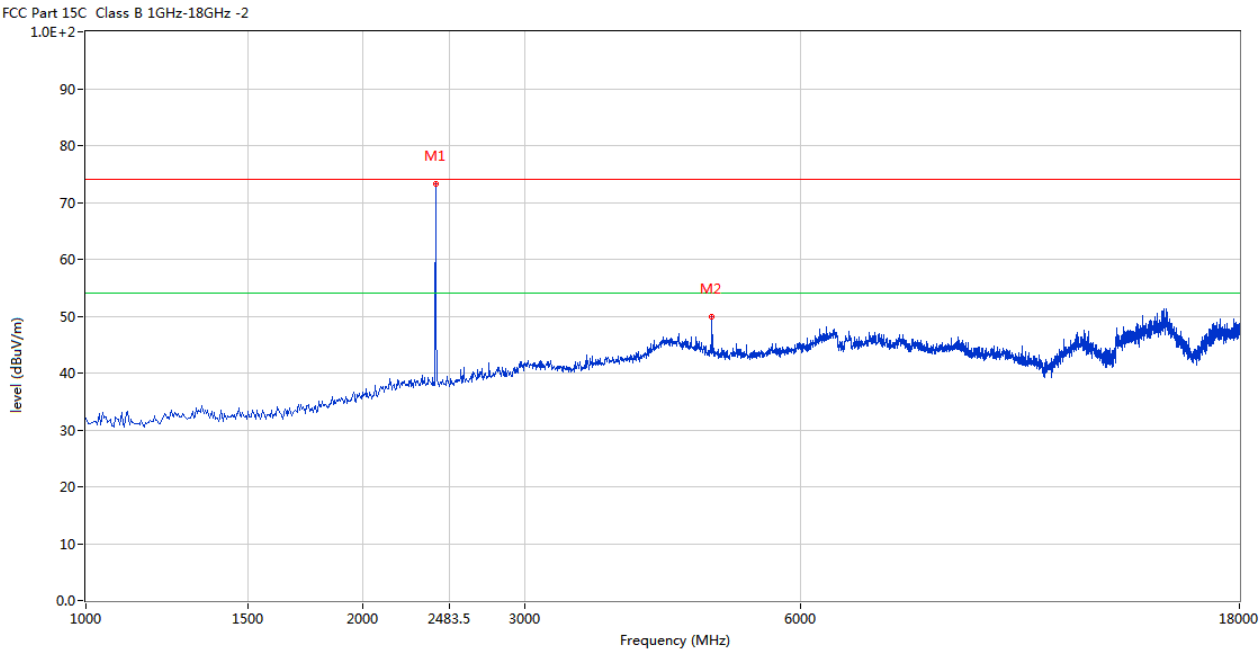


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	78.62	-3.57	114.0	-35.38	Peak	296.00	100	Horizontal	Pass
2	4802.799	53.13	3.12	74.0	-20.87	Peak	233.00	100	Horizontal	Pass

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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	73.28	-3.57	114.0	-40.72	Peak	351.00	100	Vertical	Pass
2	4802.799	49.89	3.12	74.0	-24.11	Peak	2.00	100	Vertical	Pass

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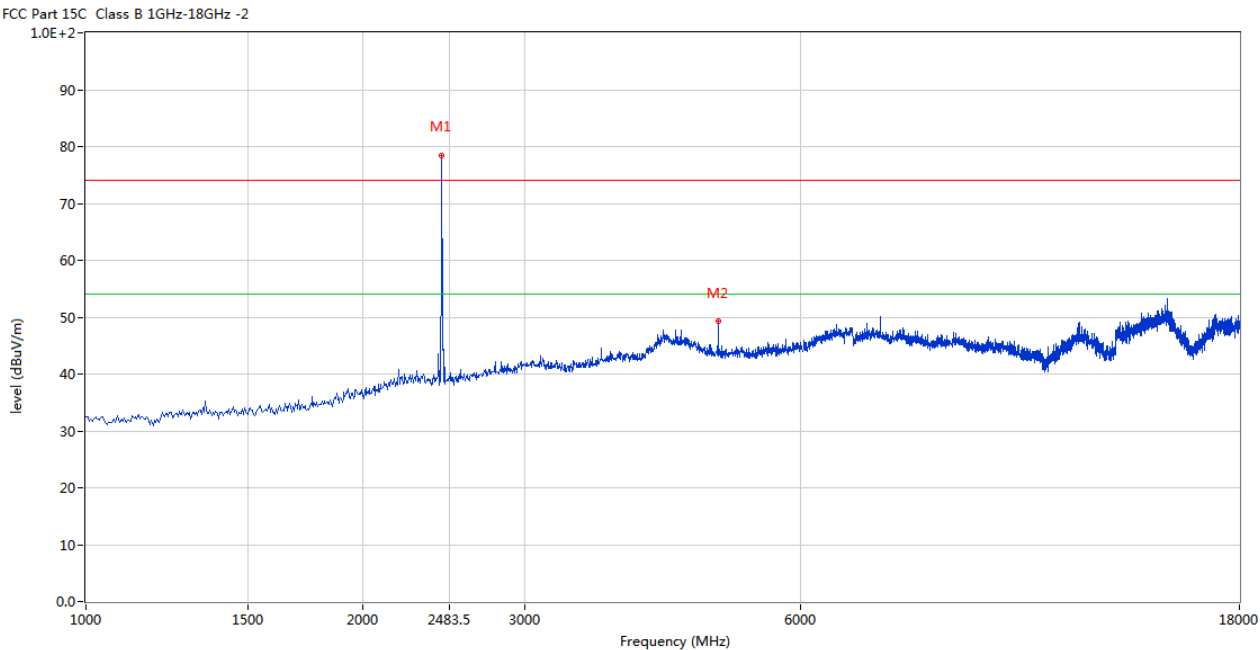
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal

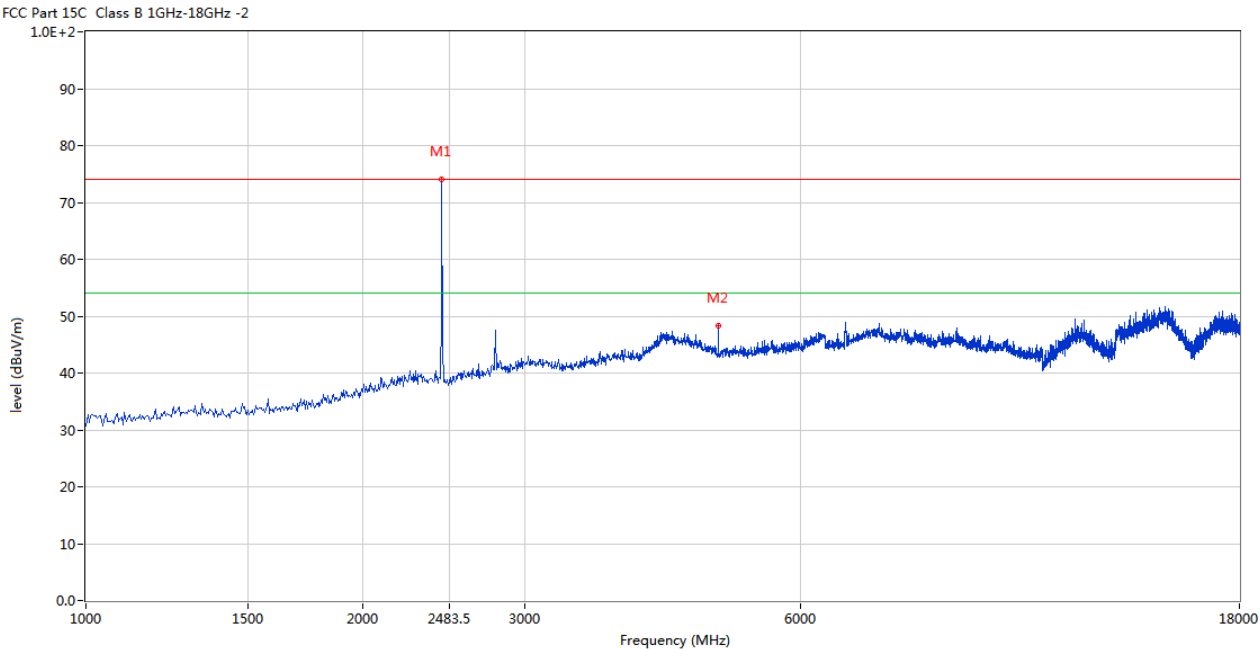


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2440	78.43	-3.57	114.0	-35.57	Peak	83.00	100	Horizontal	Pass
2	4879.280	49.26	3.20	74.0	-24.74	Peak	172.00	100	Horizontal	Pass

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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	73.97	-3.57	114.0	-40.03	Peak	288.00	100	Vertical	Pass
2	4879.280	47.26	3.20	74.0	-26.74	Peak	277.00	100	Vertical	Pass

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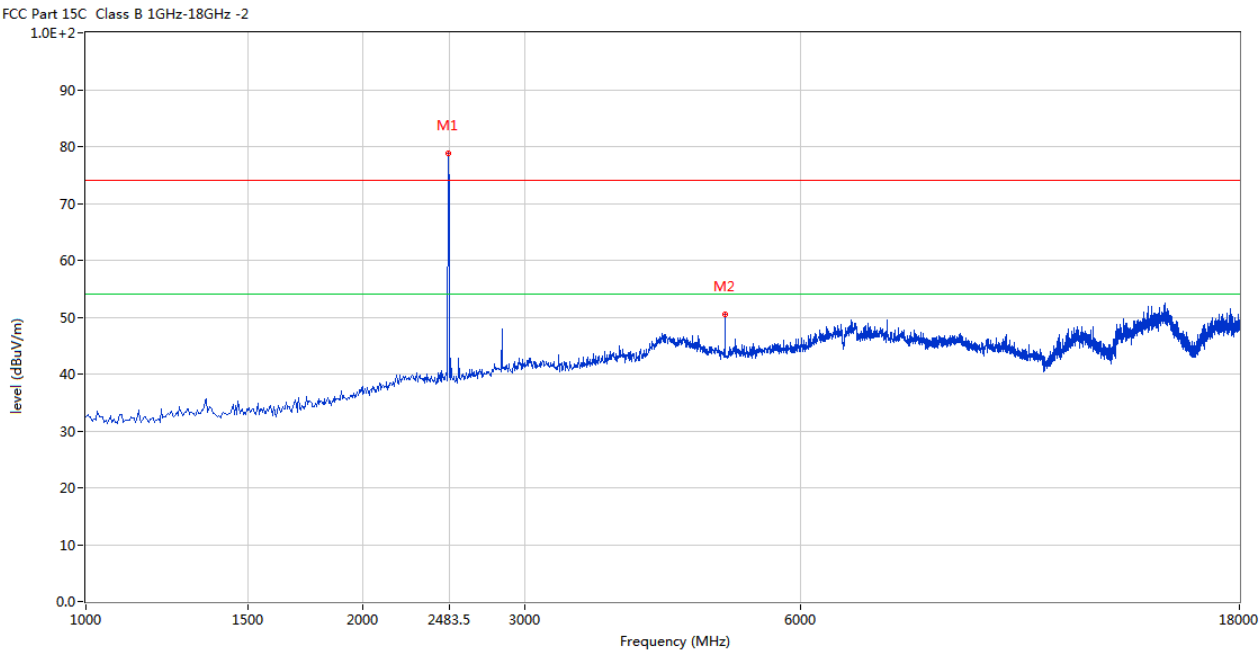
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal

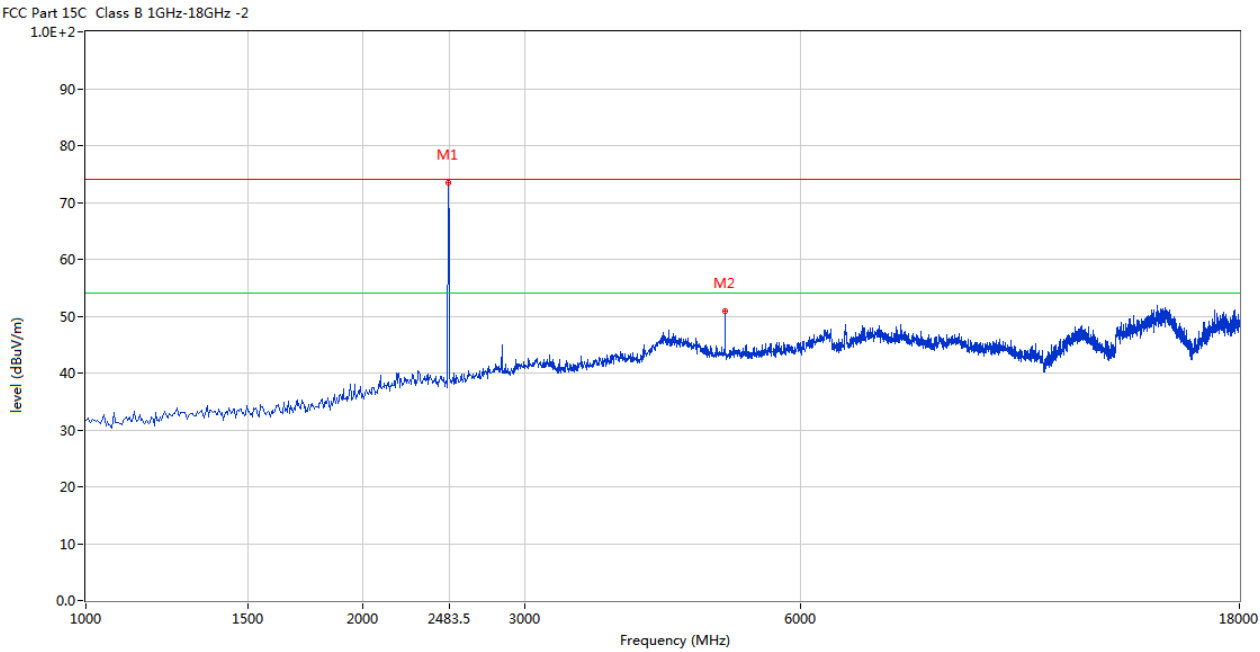


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	78.79	-3.57	114.0	-35.21	Peak	85.00	100	Horizontal	Pass
2	4960.010	50.40	3.36	74.0	-23.60	Peak	24.00	100	Horizontal	Pass

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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	73.46	-3.57	114.0	-40.54	Peak	0.00	100	Vertical	Pass
2	4960.010	51.82	3.36	74.0	-22.18	Peak	120.00	100	Vertical	Pass

- 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.

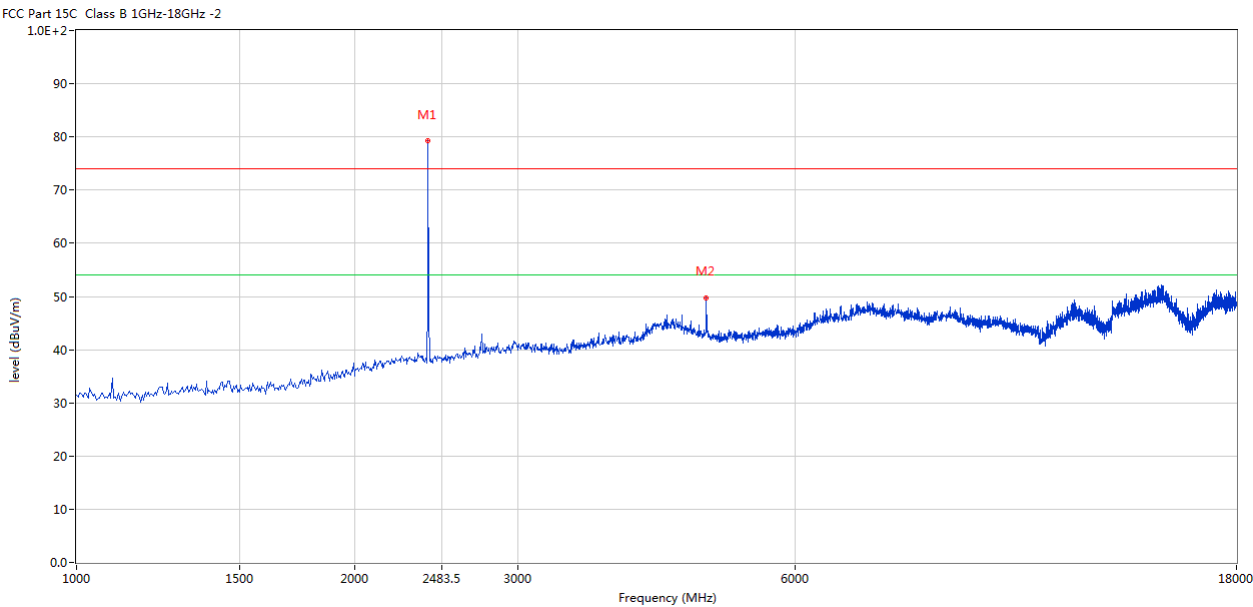
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Right Part

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	79.39	-3.57	114.0	-34.61	Peak	236.00	100	Horizontal	Pass
2	4802.799	49.79	3.12	74.0	-24.21	Peak	121.00	100	Horizontal	Pass

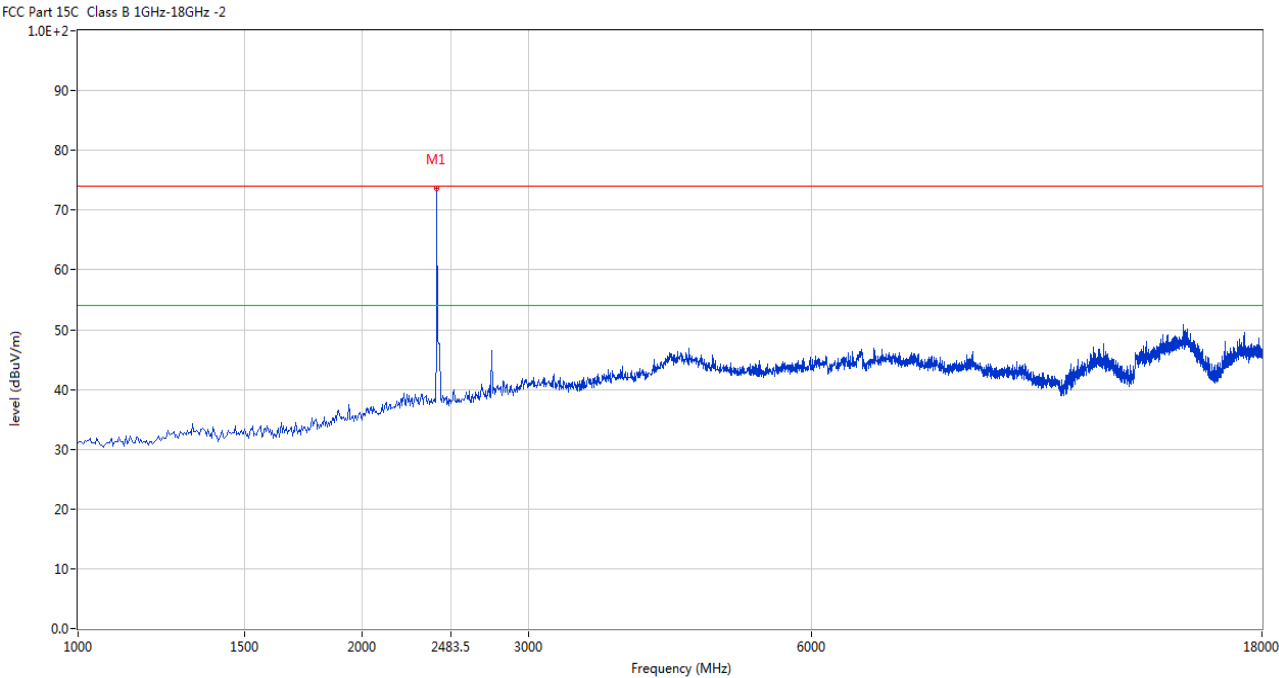
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Vertical



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	73.56	-3.57	114.0	-40.44	Peak	185.00	100	Vertical	Pass

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

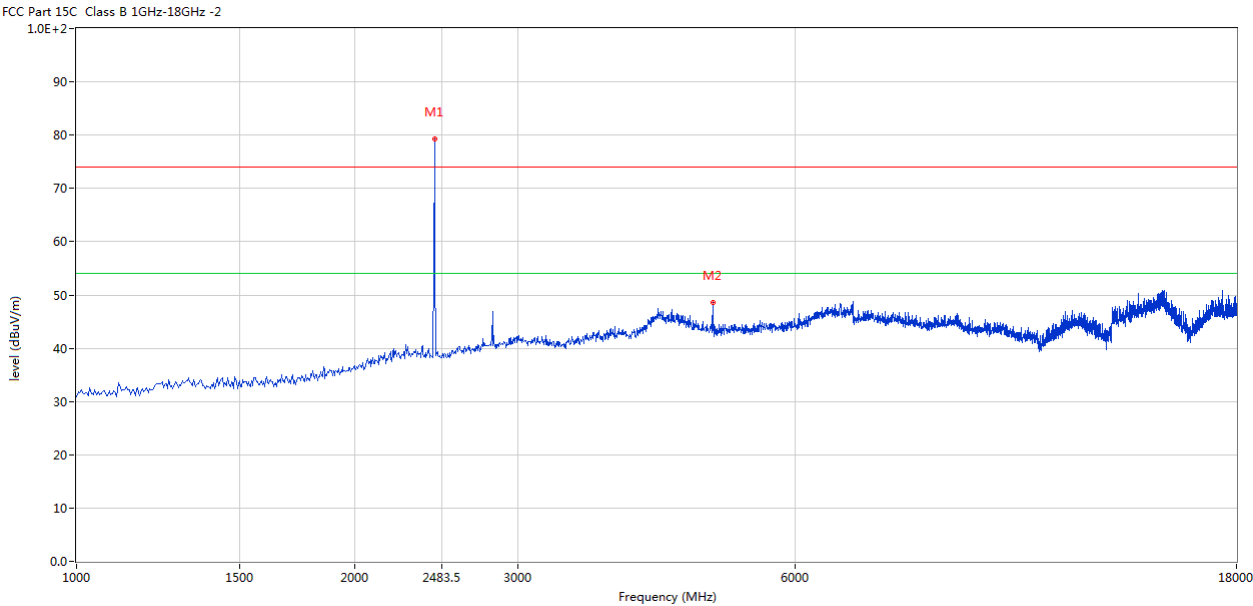
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal

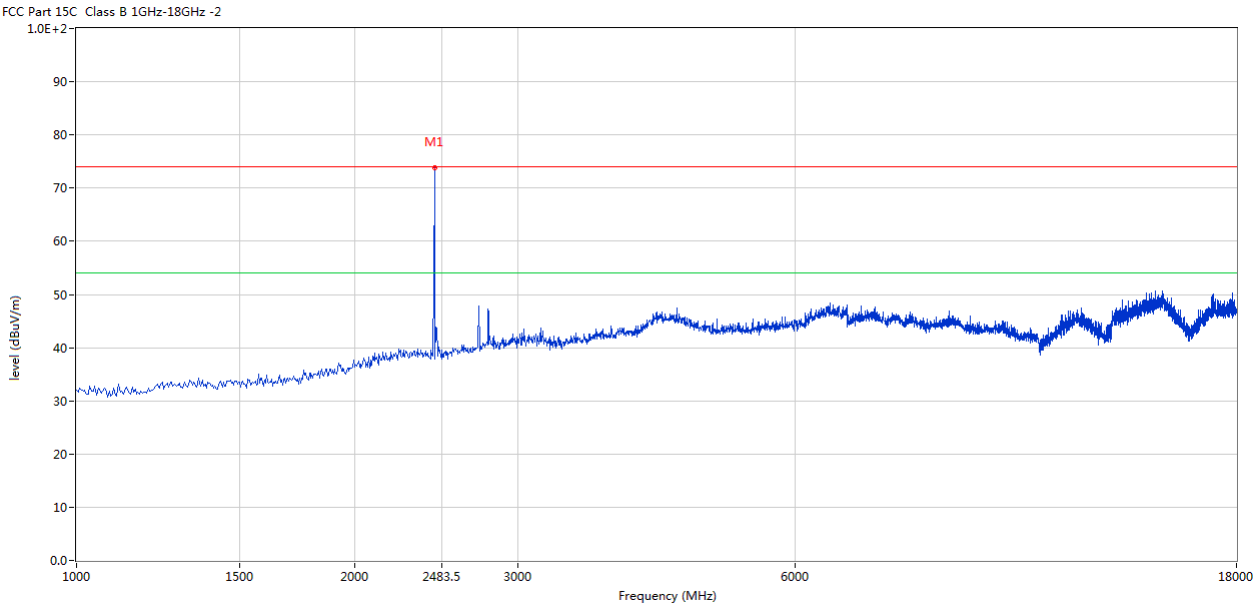


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2440	79.25	-3.57	114.0	-34.75	Peak	312.00	100	Horizontal	Pass
2	4879.280	48.61	3.20	74.0	-25.39	Peak	75.00	100	Horizontal	Pass

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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	73.75	-3.57	114.0	-40.25	Peak	49.00	100	Vertical	Pass

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

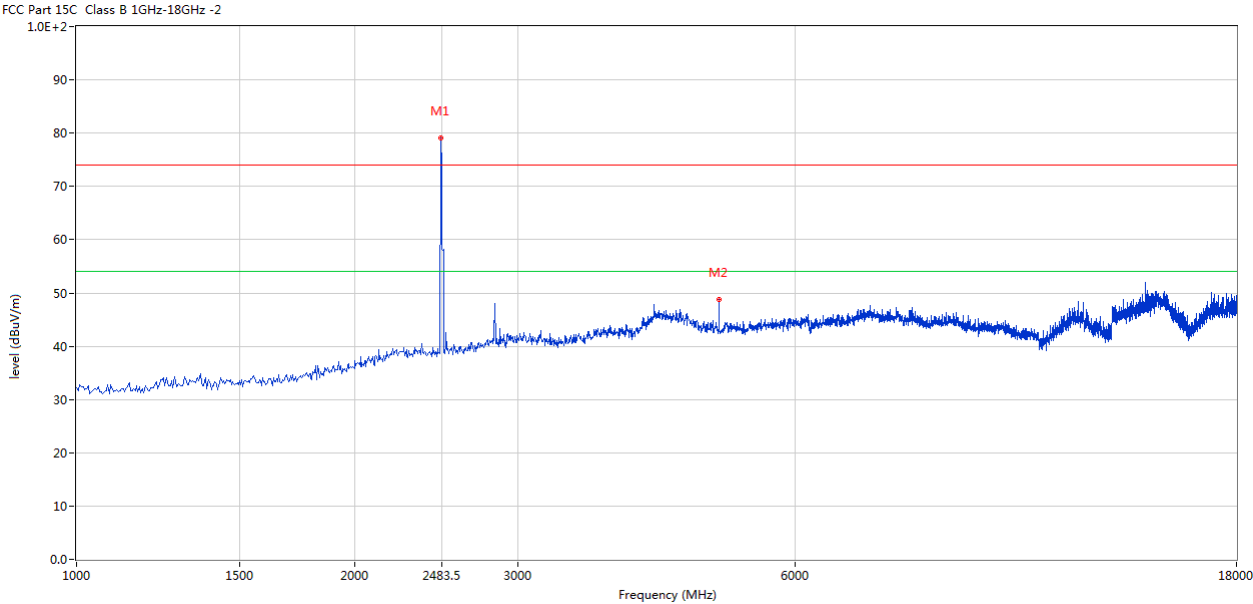
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal

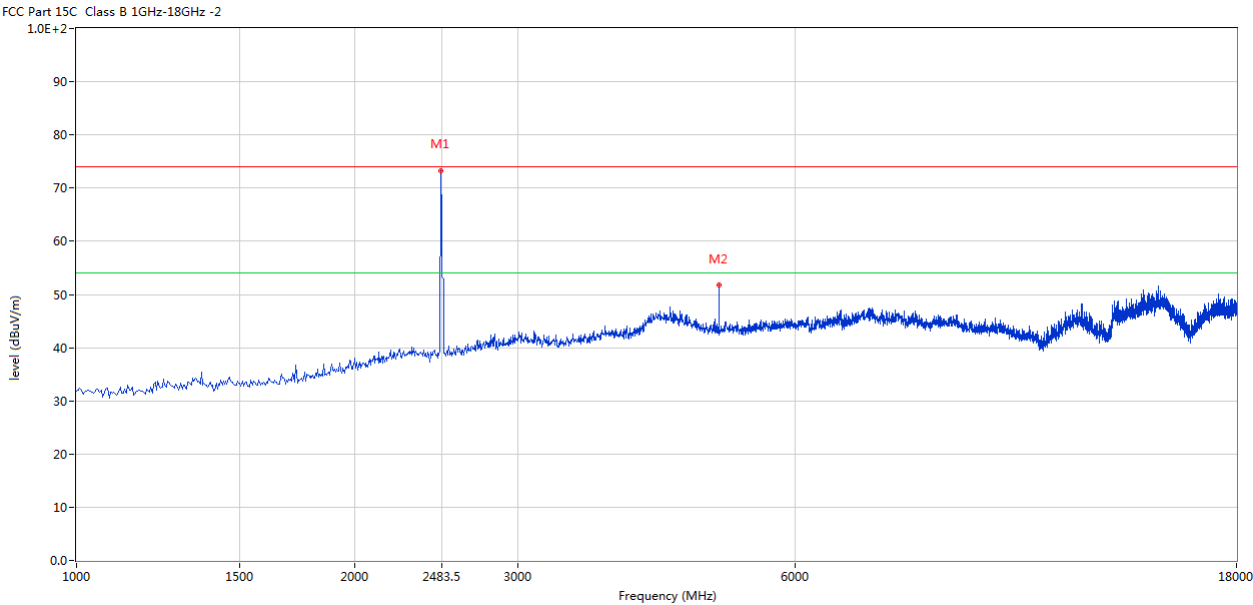


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	79.04	-3.57	114.0	-34.96	Peak	240.00	100	Horizontal	Pass
2	4960.010	48.77	3.36	74.0	-25.23	Peak	339.00	100	Horizontal	Pass

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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	74.20	-3.57	114.0	-39.80	Peak	55.00	100	Vertical	Pass
2	4960.010	51.71	3.36	74.0	-22.29	Peak	295.00	100	Vertical	Pass

- 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.

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B. General Radiated Emission Data

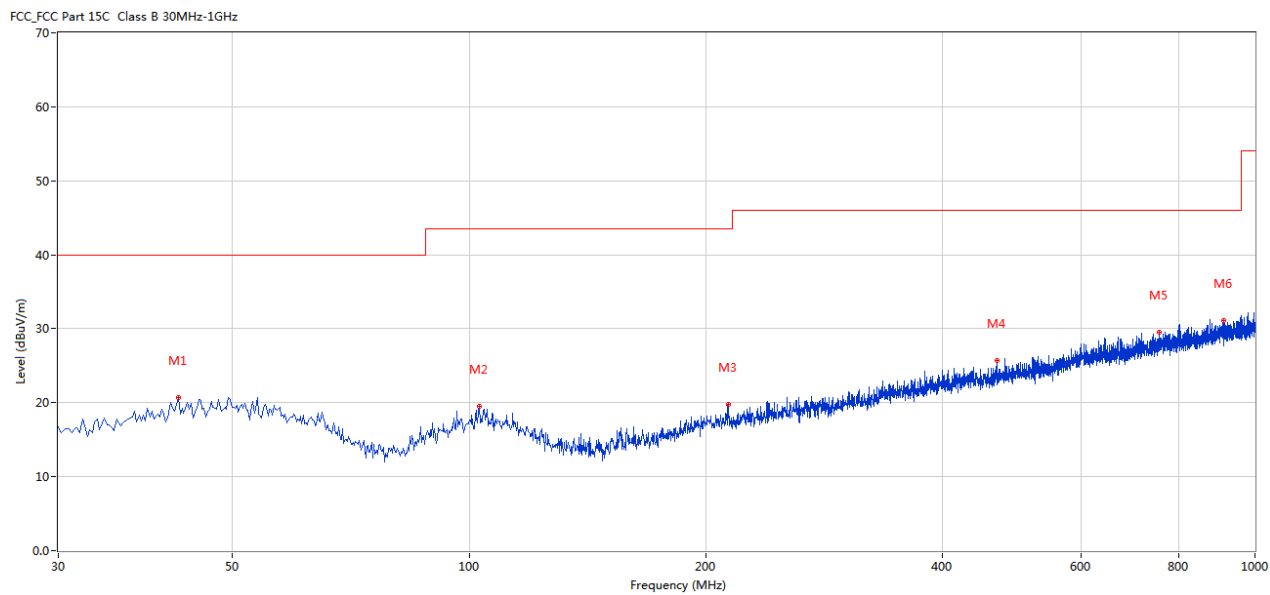
Left Part

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	42.607	20.72	-11.55	40.0	19.28	Peak	237.00	100	Horizontal	Pass
2	102.974	19.50	-13.38	43.5	24.00	Peak	285.00	100	Horizontal	Pass
3	213.527	19.75	-13.63	43.5	23.75	Peak	170.00	100	Horizontal	Pass
4	469.058	25.65	-7.53	46.0	20.35	Peak	197.00	100	Horizontal	Pass
5	756.106	29.49	-3.25	46.0	16.51	Peak	272.00	100	Horizontal	Pass
6	911.267	31.07	-1.78	46.0	14.93	Peak	119.00	100	Horizontal	Pass

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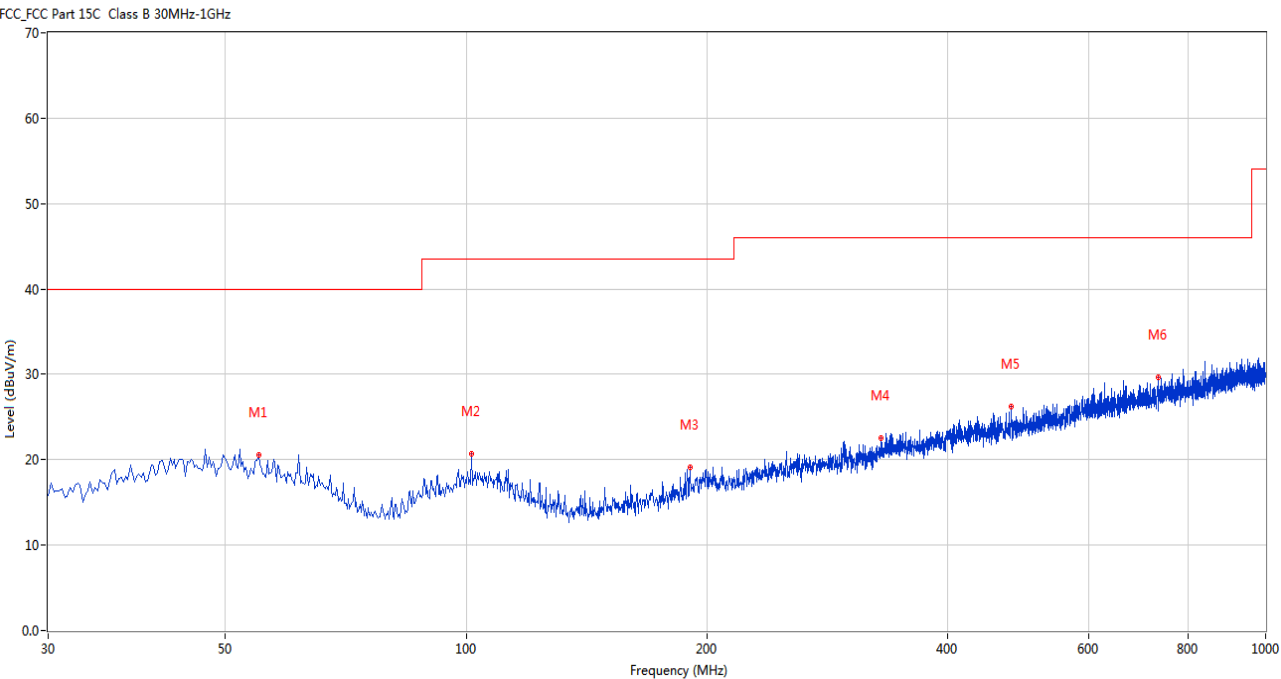


Radiated Emission In Vertical (30MHz----1000MHz)

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	54.971	20.62	-11.77	40.0	19.38	Peak	329.00	100	Vertical	Pass
2	101.520	20.70	-13.44	43.5	22.80	Peak	187.00	100	Vertical	Pass
3	190.495	19.14	-14.32	43.5	24.36	Peak	305.00	100	Vertical	Pass
4	330.625	22.57	-10.19	46.0	23.43	Peak	103.00	100	Vertical	Pass
5	480.452	26.20	-7.37	46.0	19.80	Peak	233.00	100	Vertical	Pass
6	733.559	29.63	-3.63	46.0	16.37	Peak	206.00	100	Vertical	Pass

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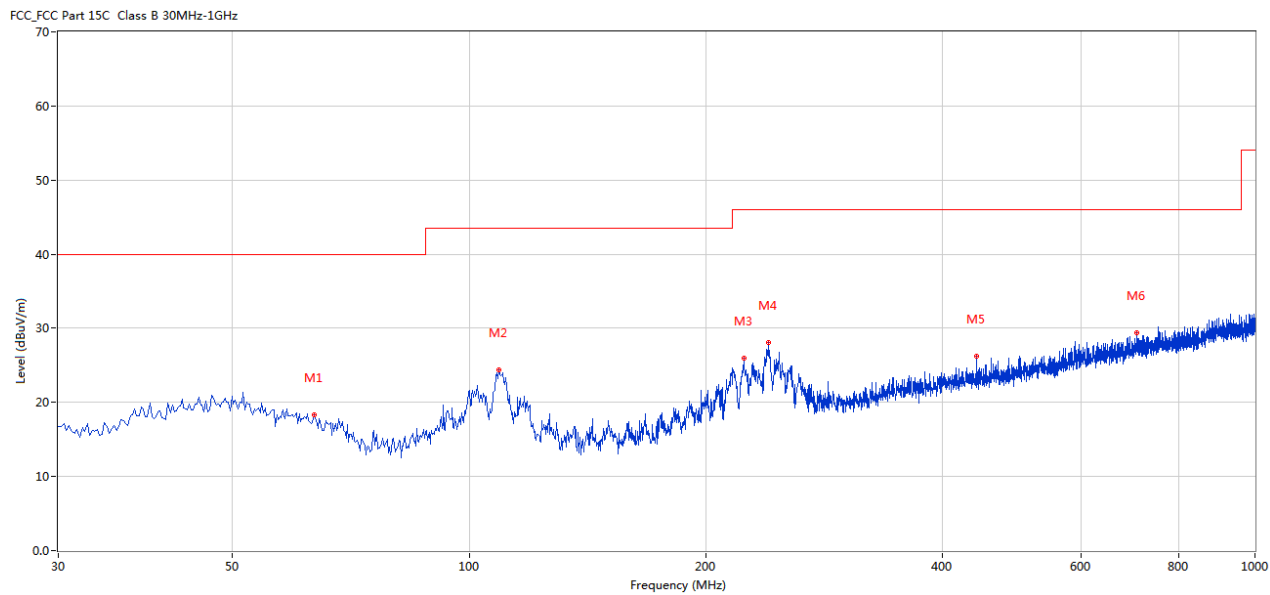
Right Part

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	63.457	18.35	-13.33	40.0	21.65	Peak	68.00	100	Horizontal	Pass
2	109.035	24.34	-13.53	43.5	19.16	Peak	9.00	100	Horizontal	Pass
3	223.467	25.92	-13.14	46.0	20.08	Peak	97.00	100	Horizontal	Pass
4	240.437	28.14	-12.34	46.0	17.86	Peak	108.00	100	Horizontal	Pass
5	441.905	26.23	-7.97	46.0	19.77	Peak	248.00	100	Horizontal	Pass
6	708.103	29.40	-3.88	46.0	16.60	Peak	97.00	100	Horizontal	Pass

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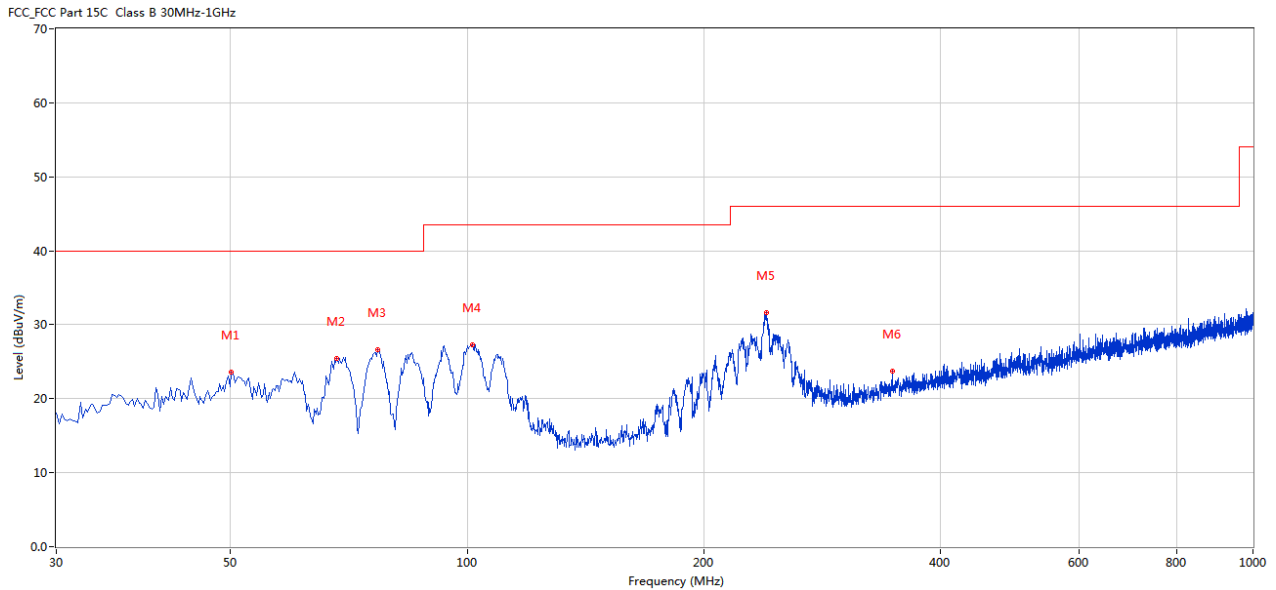


Radiated Emission In Vertical (30MHz----1000MHz)

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	50.122	23.57	-11.38	40.0	16.43	Peak	20.00	100	Vertical	Pass
2	68.305	25.42	-14.82	40.0	14.58	Peak	343.00	100	Vertical	Pass
3	77.033	26.60	-17.60	40.0	13.40	Peak	323.00	100	Vertical	Pass
4	101.520	27.25	-13.44	43.5	16.25	Peak	0.00	100	Vertical	Pass
5	240.437	31.60	-12.34	46.0	14.40	Peak	112.00	100	Vertical	Pass
6	347.353	23.72	-9.42	46.0	22.28	Peak	218.00	100	Vertical	Pass

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

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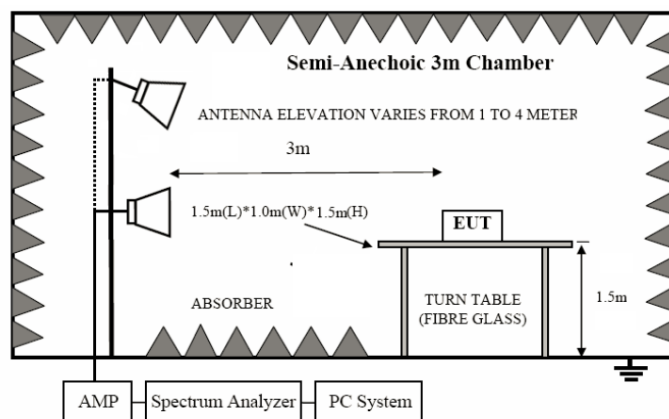


7. Band Edge

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.

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

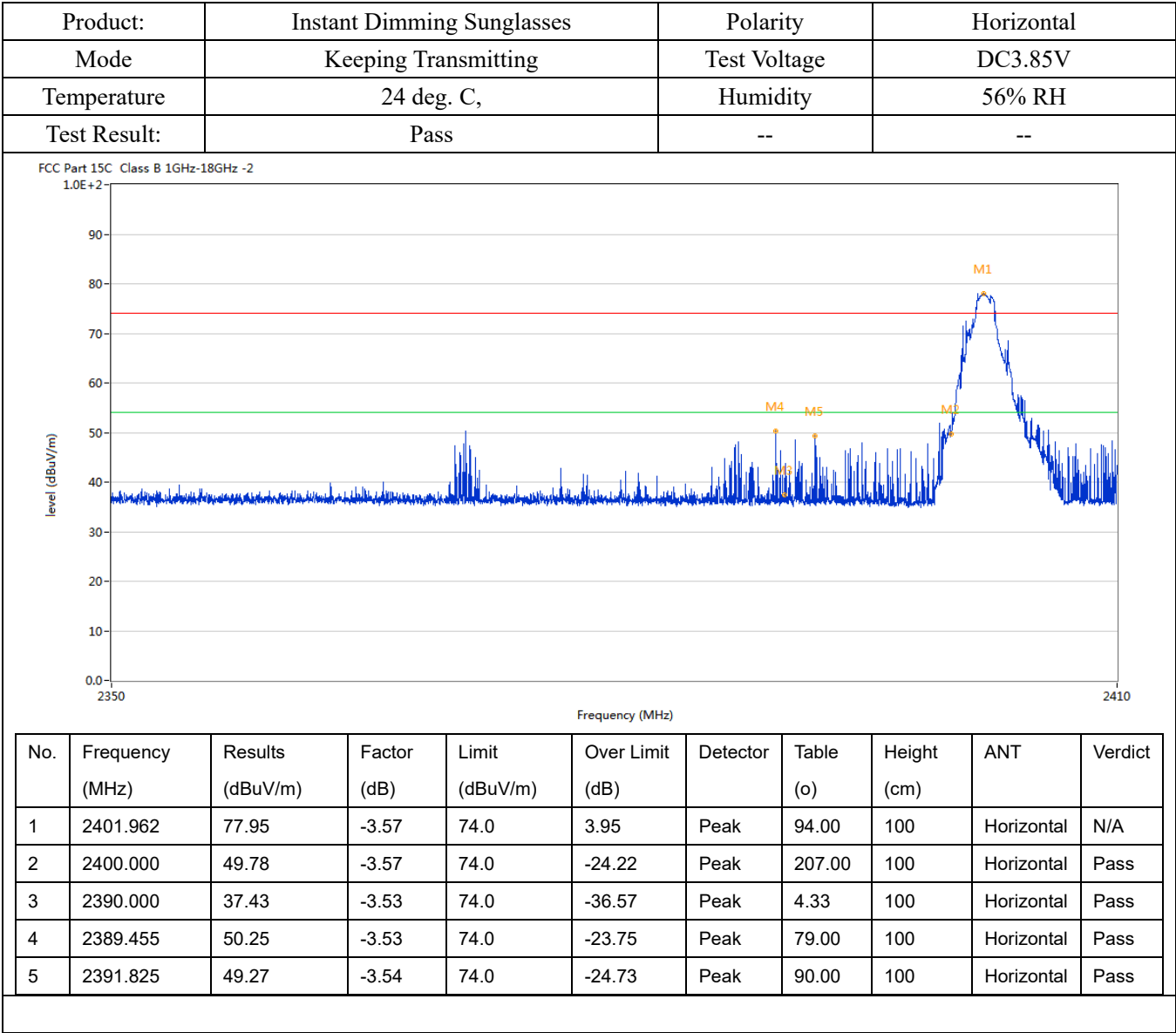
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7.6 Test Result

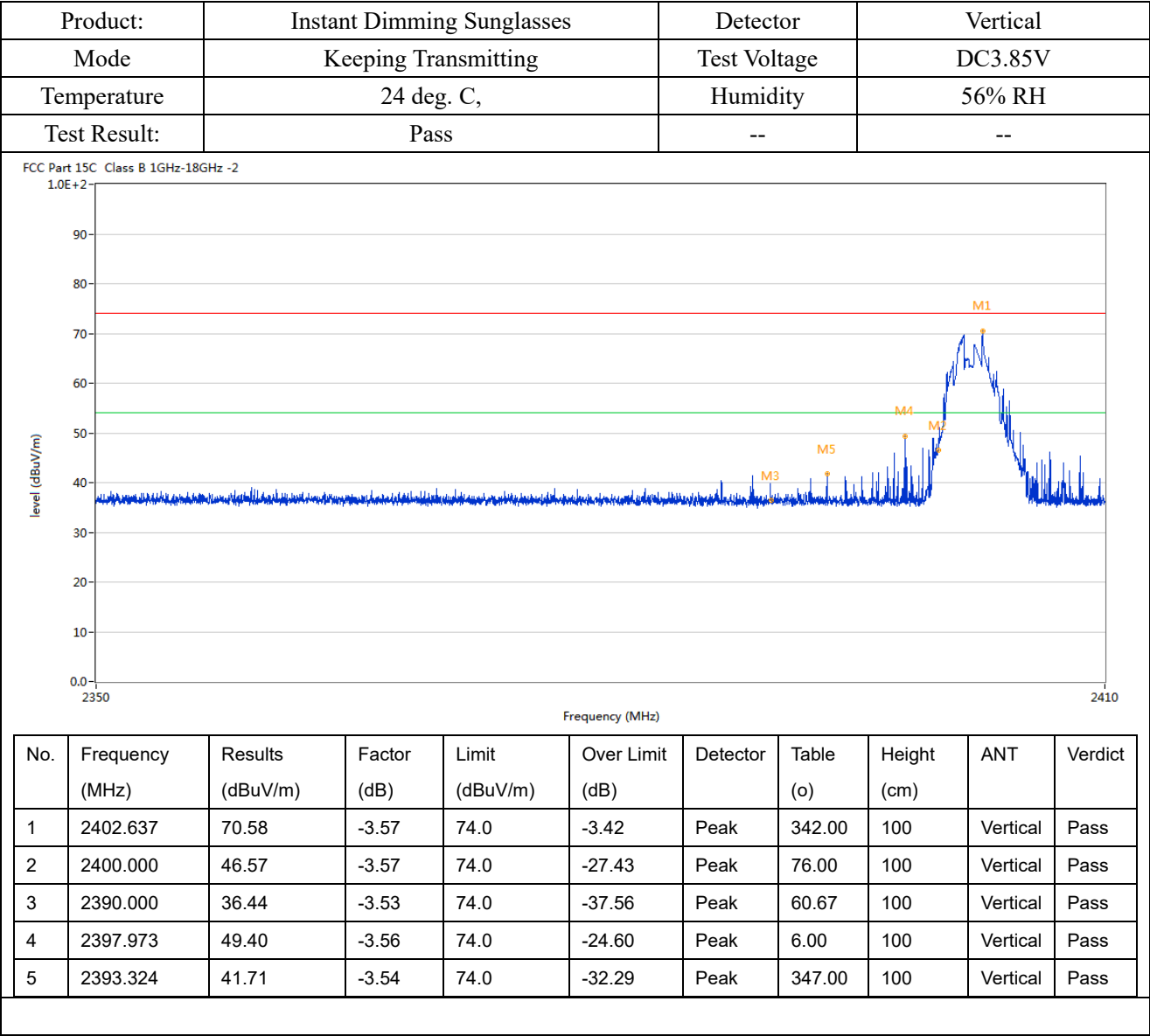
Left Part



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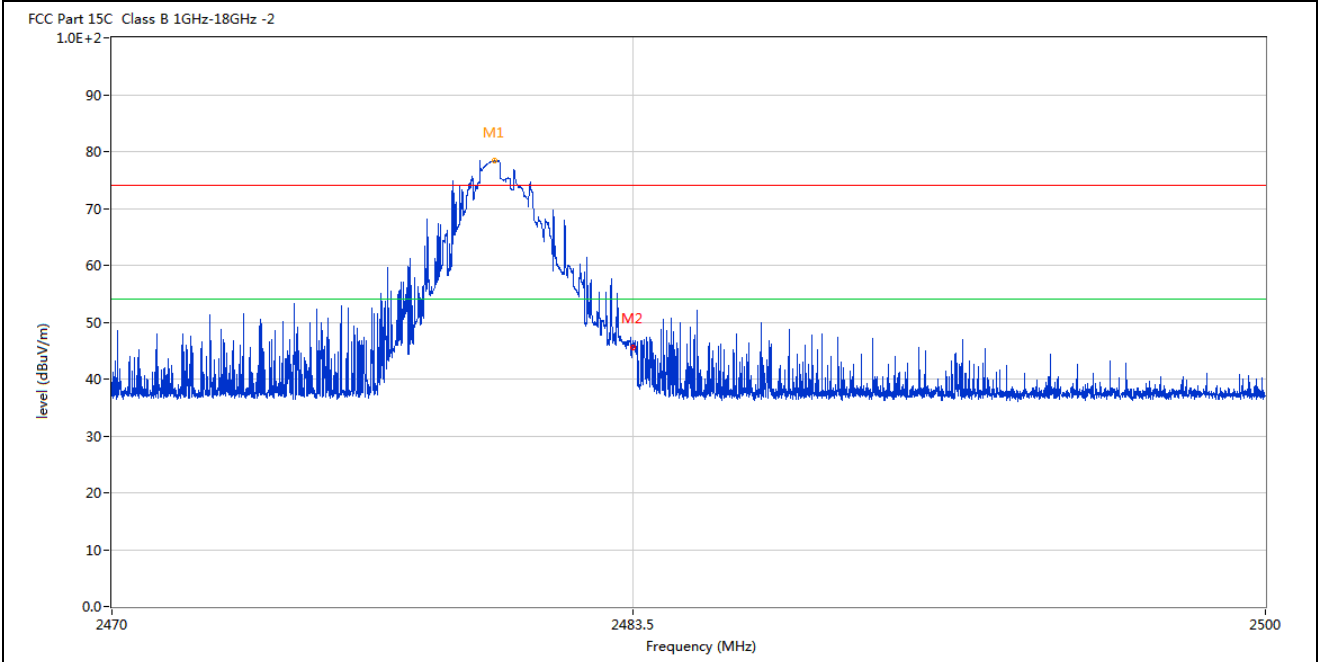
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Product:	Instant Dimming Sunglasses	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.85V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--

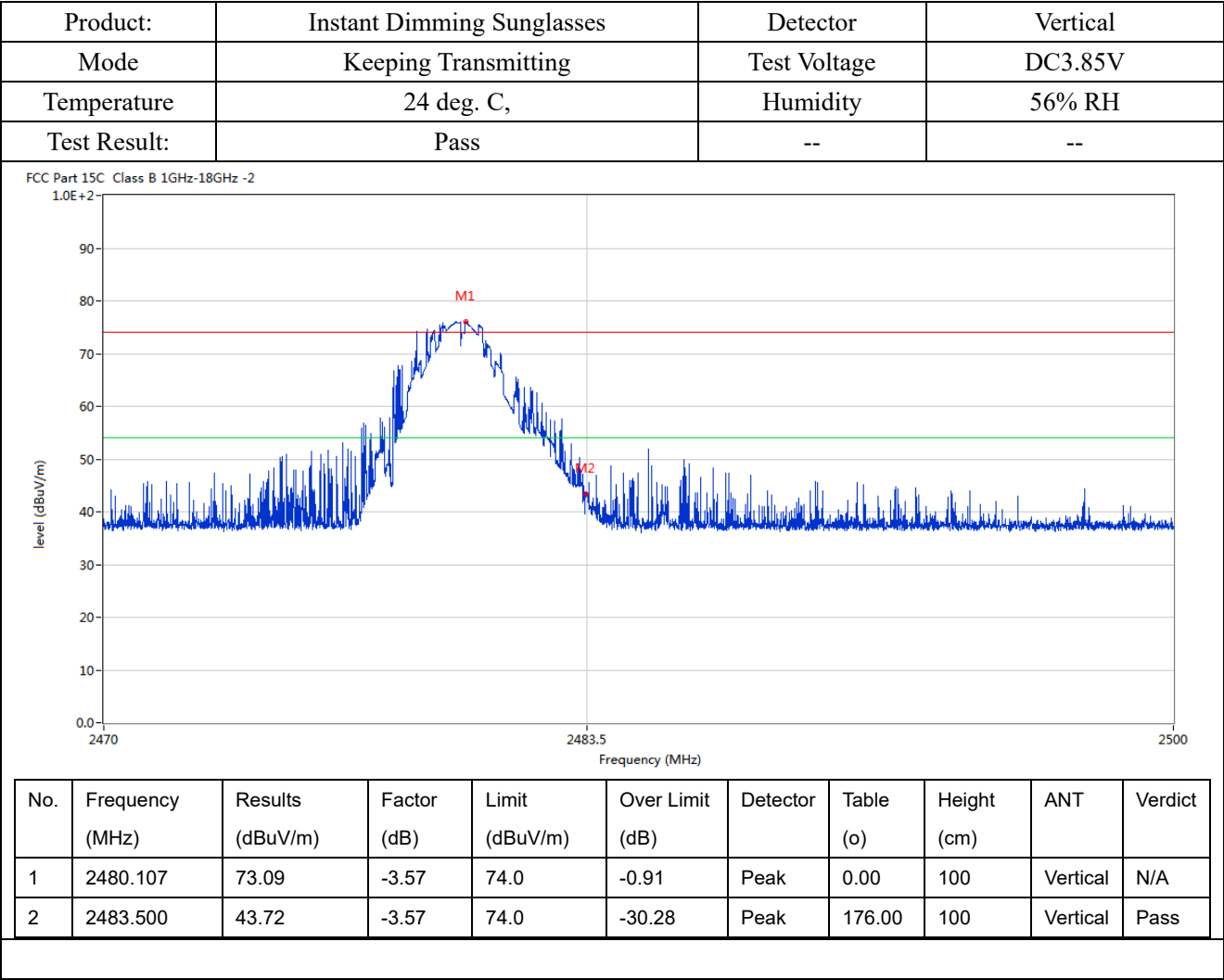


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2479.913	78.42	-3.57	74.0	4.42	Peak	83.00	100	Horizontal	N/A
2	2483.504	45.54	-3.57	74.0	-28.46	Peak	77.00	100	Horizontal	Pass

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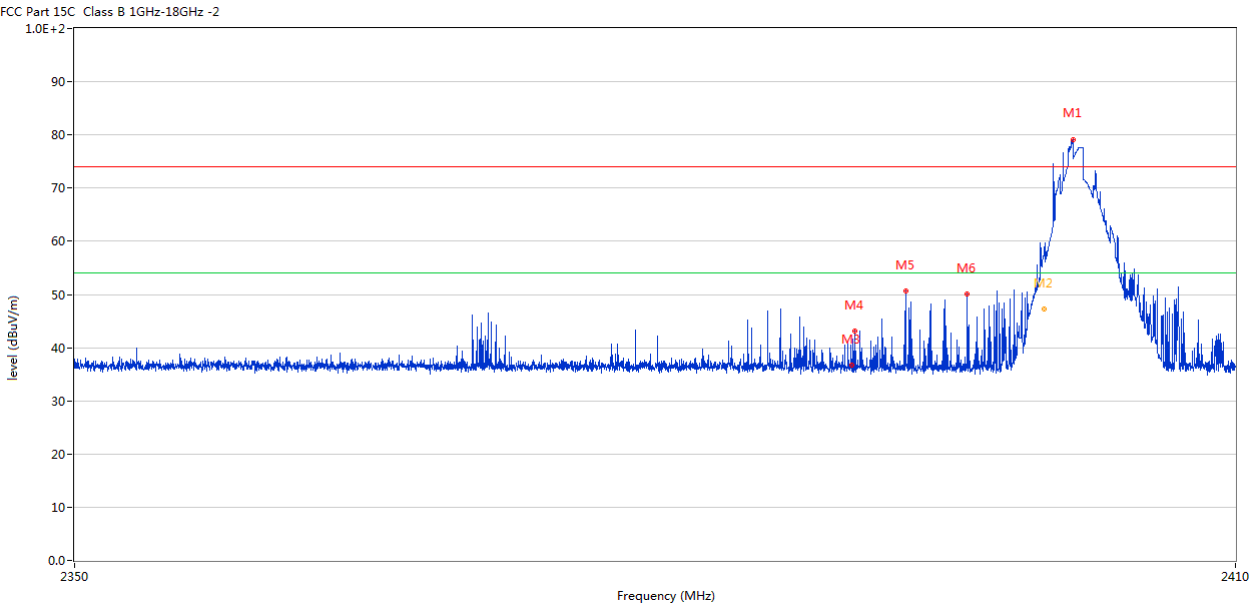
Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

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Right Part

Product:	Instant Dimming Sunglasses	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.85V
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	2401.512	79.30	-3.57	74.0	5.30	Peak	236.00	100	Horizontal	N/A
2	2400.000	58.38	-3.57	74.0	-15.62	Peak	236.00	100	Horizontal	Pass
2**	2400.000	47.35	-3.57	54.0	-6.65	AV	236.00	100	Horizontal	Pass
3	2390.025	36.82	-3.53	74.0	-37.18	Peak	266.00	100	Horizontal	Pass
4	2390.175	43.11	-3.53	74.0	-30.89	Peak	308.00	100	Horizontal	Pass
5	2392.814	50.64	-3.54	74.0	-23.36	Peak	209.00	100	Horizontal	Pass
6	2396.008	50.03	-3.55	74.0	-23.97	Peak	124.00	100	Horizontal	Pass

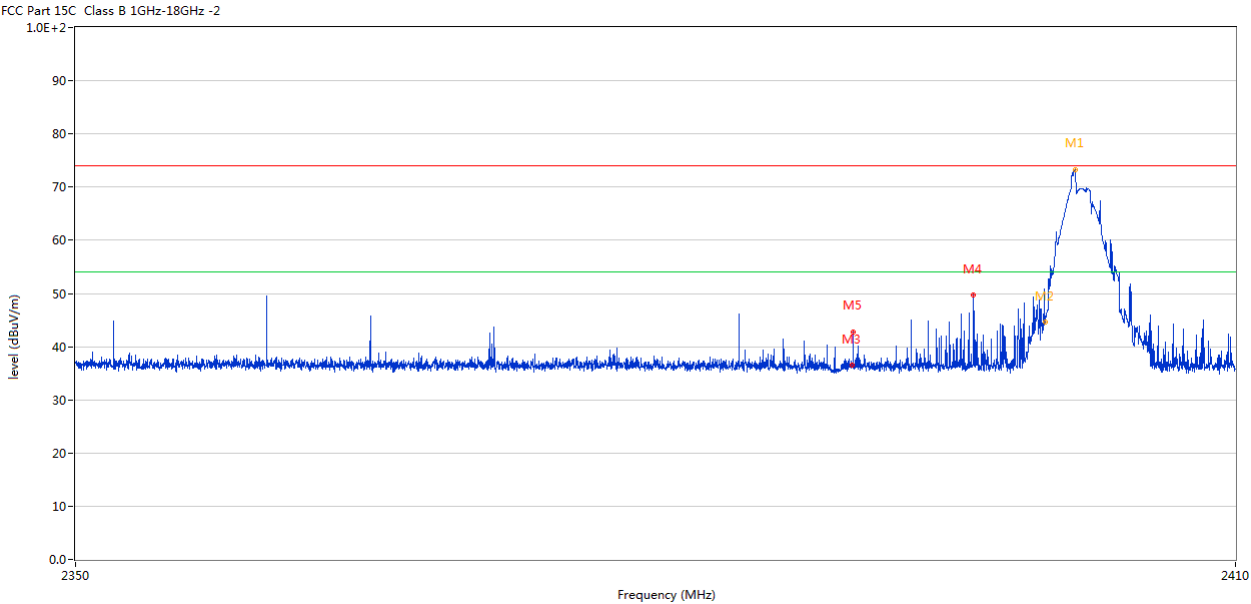
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Product:	Instant Dimming Sunglasses	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.85V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2401.647	73.30	-3.57	74.0	-0.70	Peak	96.00	100	Vertical	Pass
2	2400.042	44.66	-3.57	74.0	-29.34	Peak	354.00	100	Vertical	Pass
3	2390.000	36.49	-3.53	74.0	-37.51	Peak	243.67	100	Vertical	Pass
4	2396.323	49.70	-3.55	74.0	-24.30	Peak	359.00	100	Vertical	Pass
5	2390.055	42.76	-3.53	74.0	-31.24	Peak	259.00	100	Vertical	Pass

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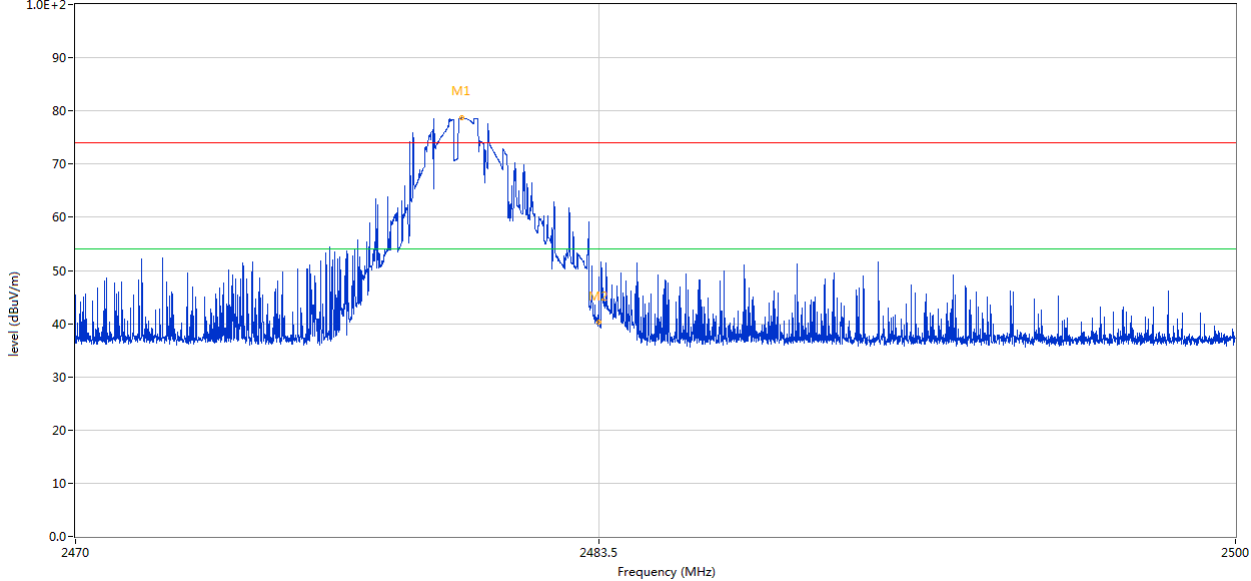
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Product:	Instant Dimming Sunglasses	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.85V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--

FCC Part 15C Class B 1GHz-18GHz -2

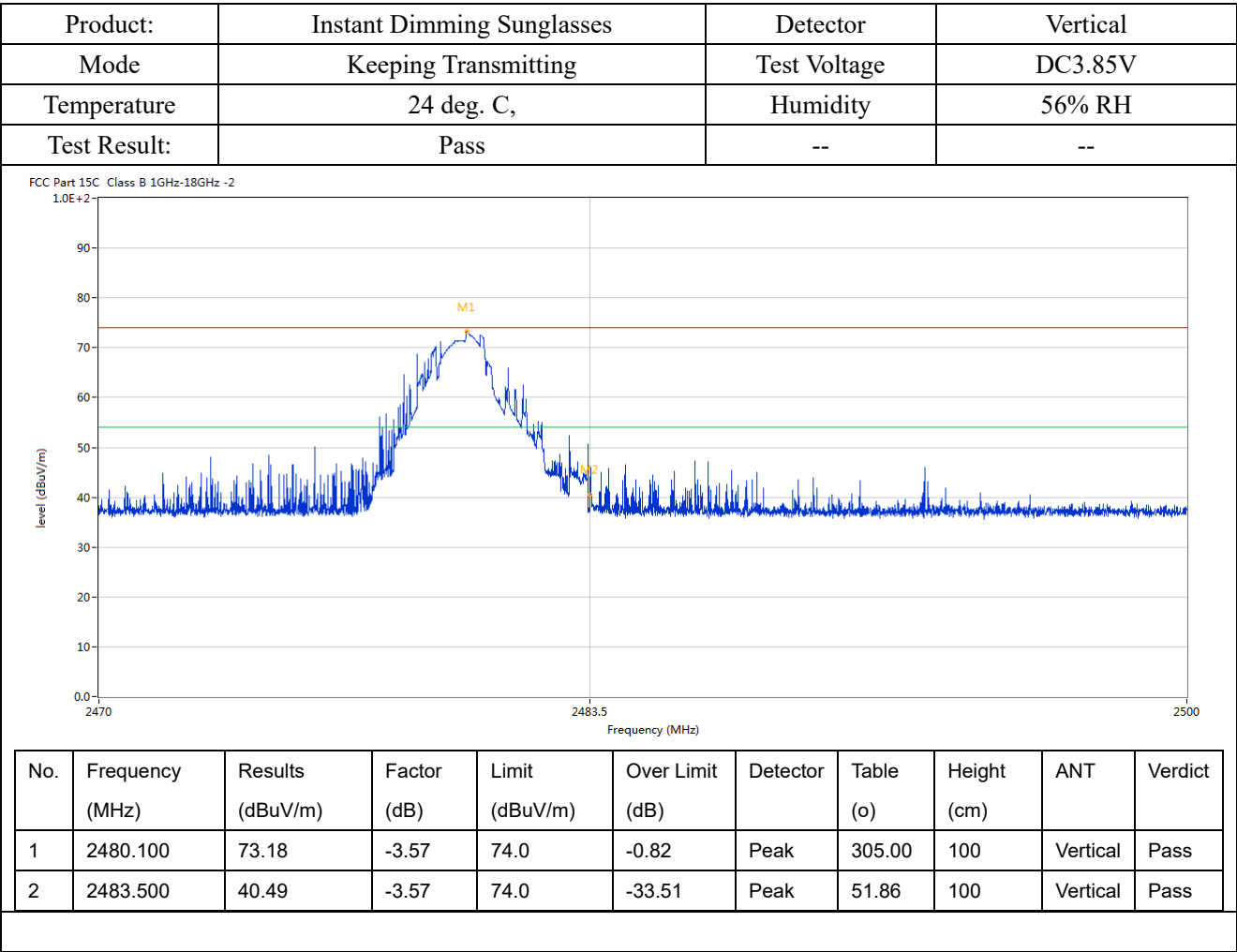


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2479.958	78.65	-3.57	74.0	4.65	Peak	273.00	100	Horizontal	N/A
2	2483.500	40.25	-3.57	74.0	-33.75	Peak	118.00	100	Horizontal	Pass

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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 used PCB antennas. The antenna gain is -0.58dBi Max for both right and Left Parts. It fulfills the requirement of this section.

Test Result: Pass

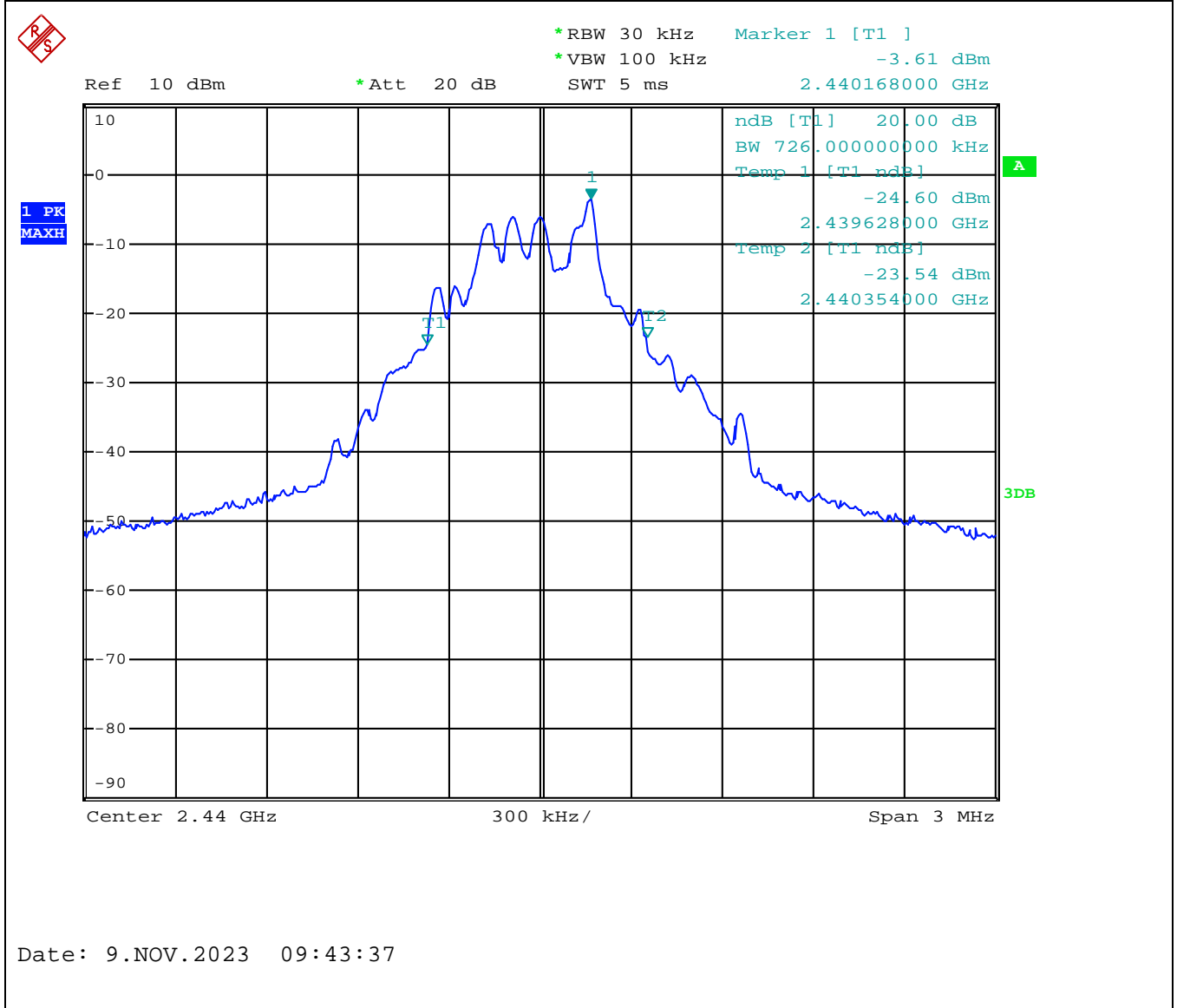
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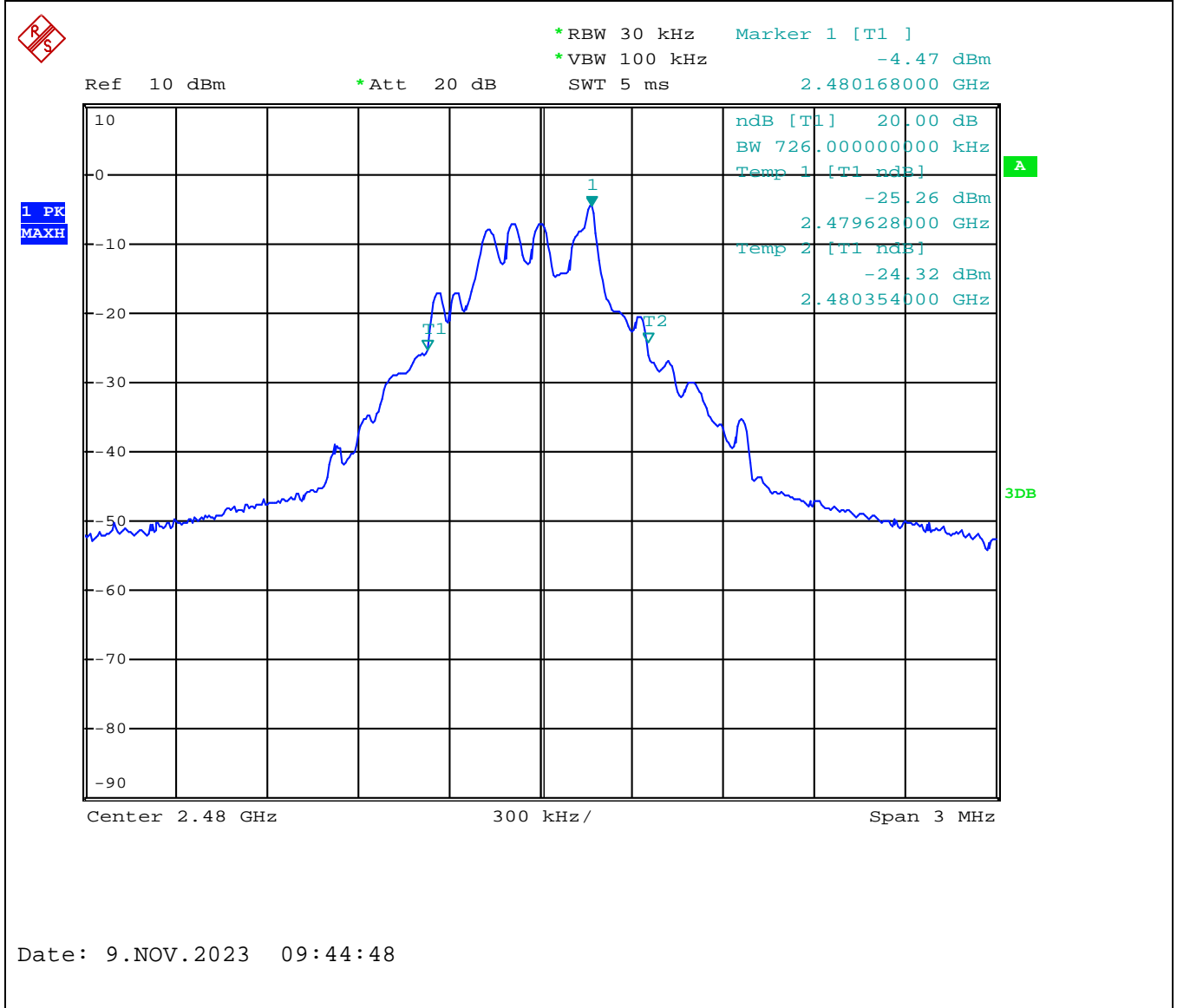
Product:	Instant Dimming Sunglasses	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.85V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	726.00kHz	--	--



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Product:	Instant Dimming Sunglasses	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.85V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	726.00kHz	--	--



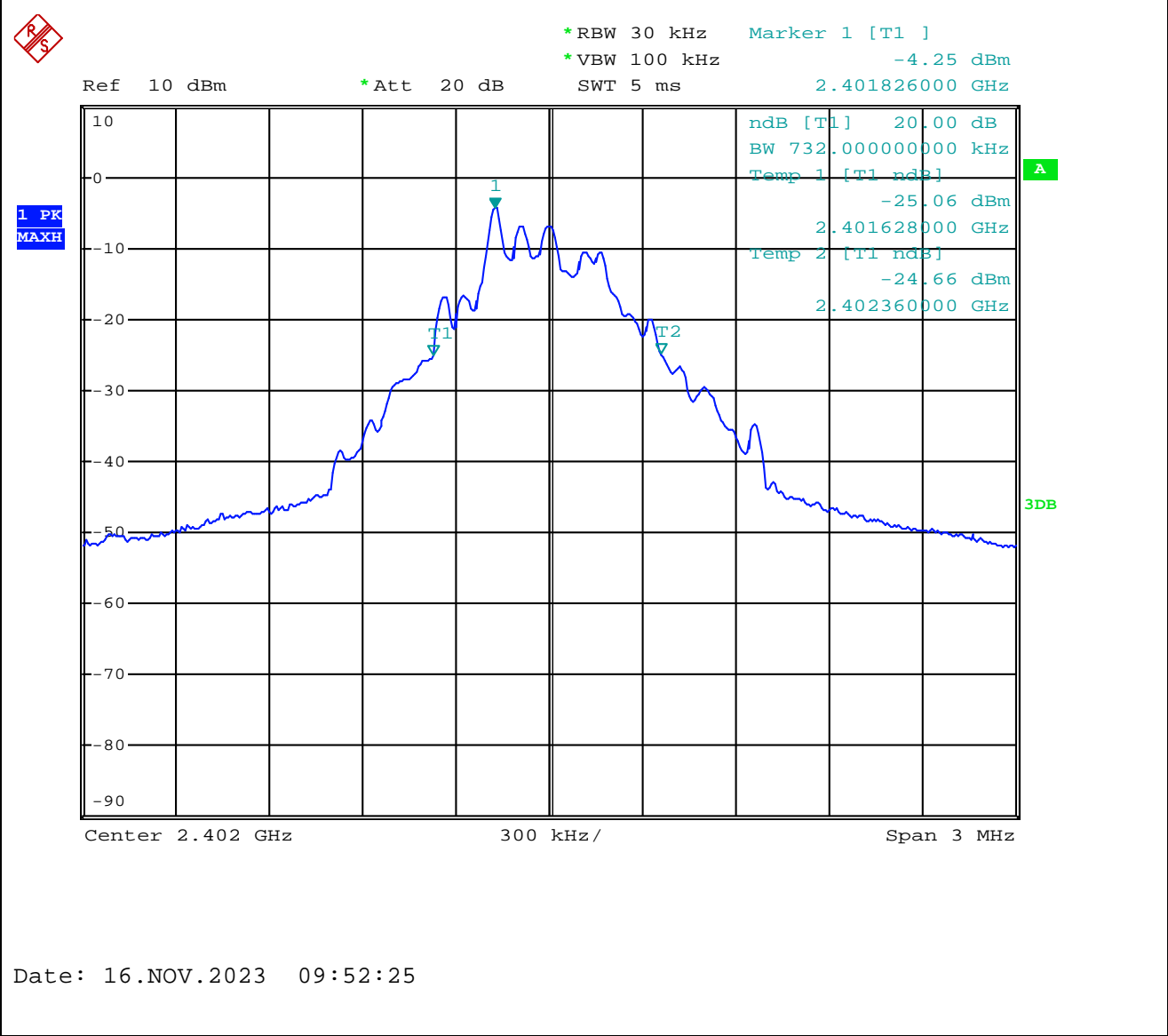
Date: 9.NOV.2023 09:44:48

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Right Part

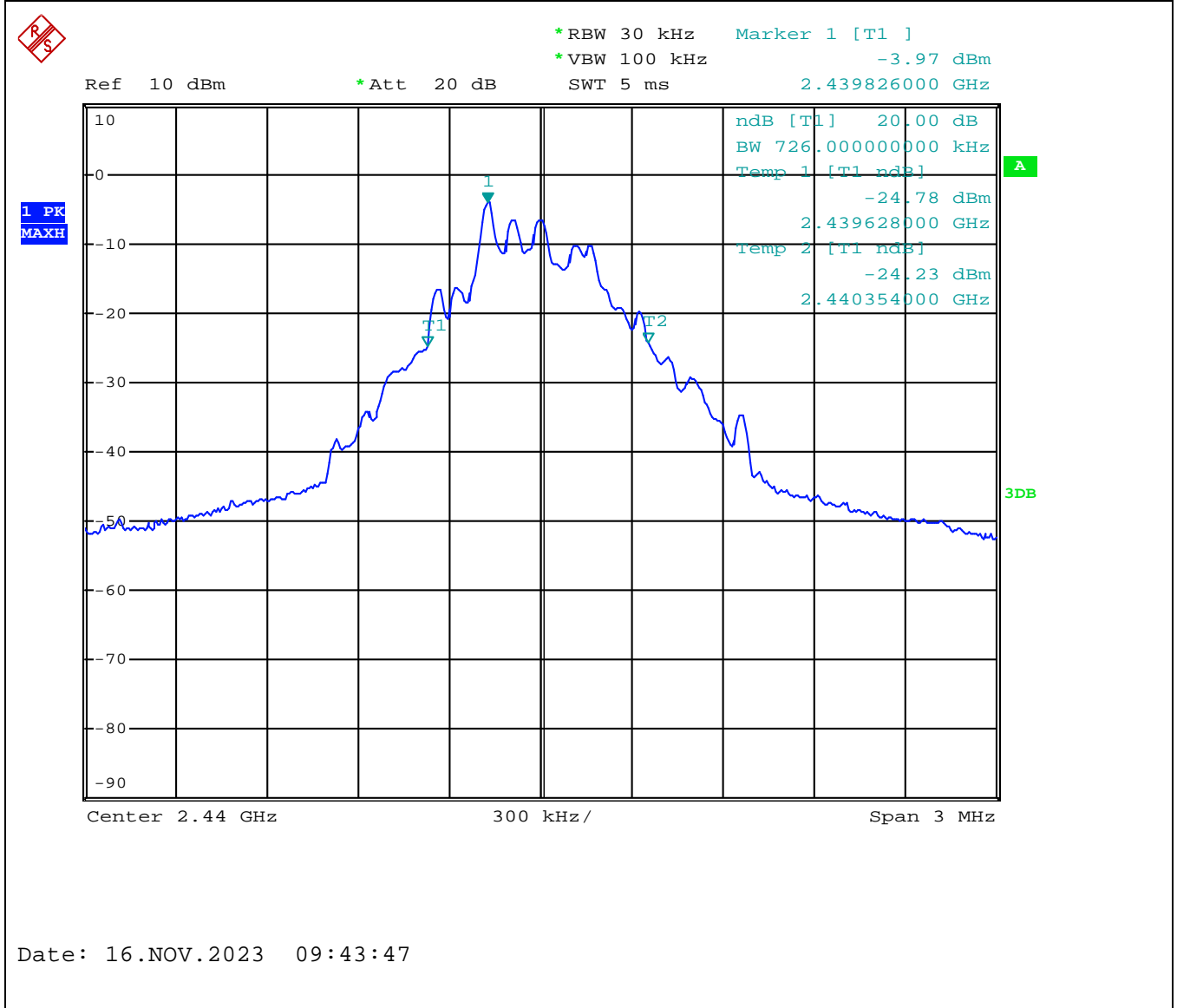
Product:	Instant Dimming Sunglasses	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.85V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	732.00kHz	--	--



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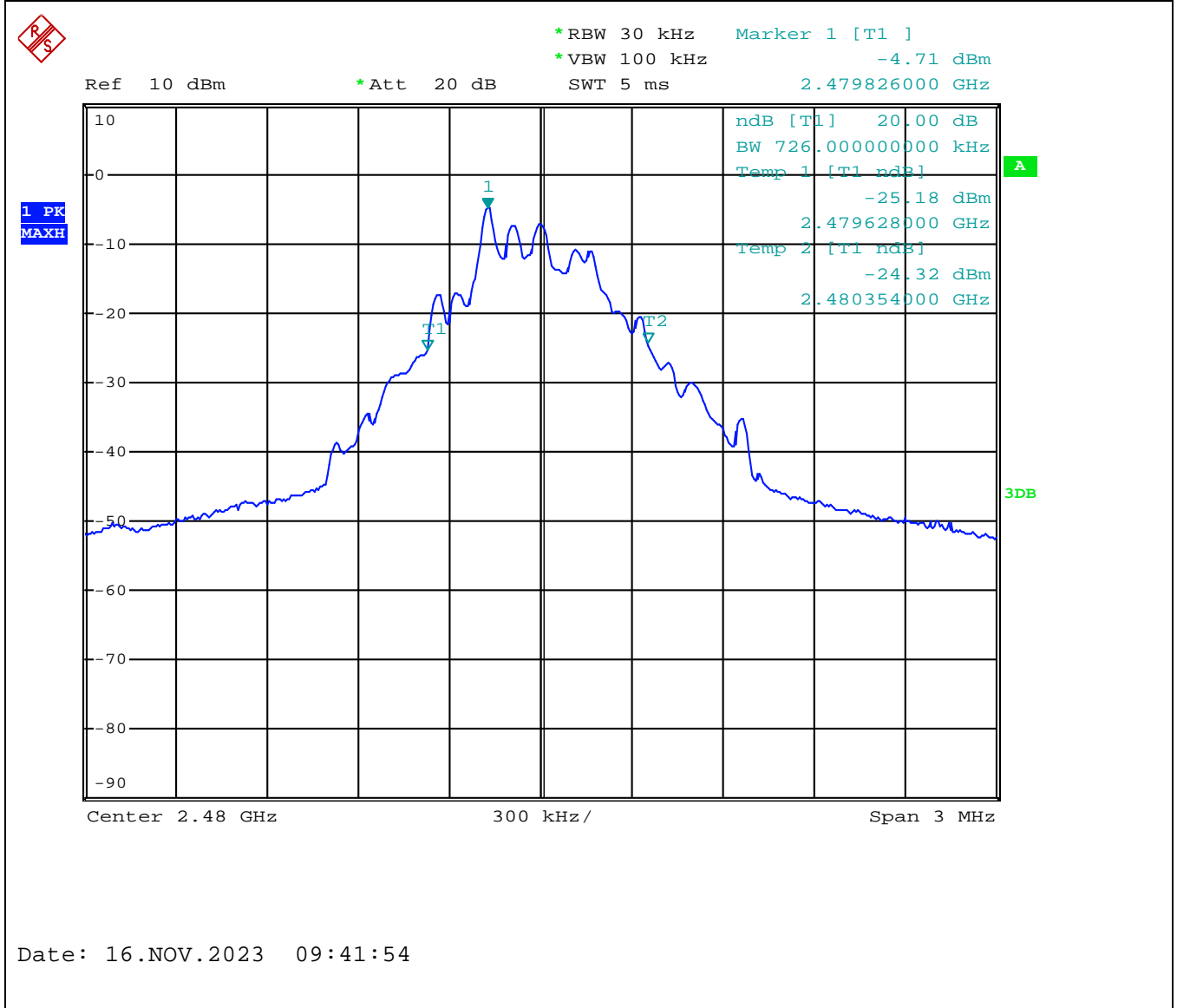
Product:	Instant Dimming Sunglasses	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.85V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	726.00kHz	--	--



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Product:	Instant Dimming Sunglasses	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.85V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	726.00kHz	--	--



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10.0 FCC ID Label

FCC ID: 2A43V-DRAGON

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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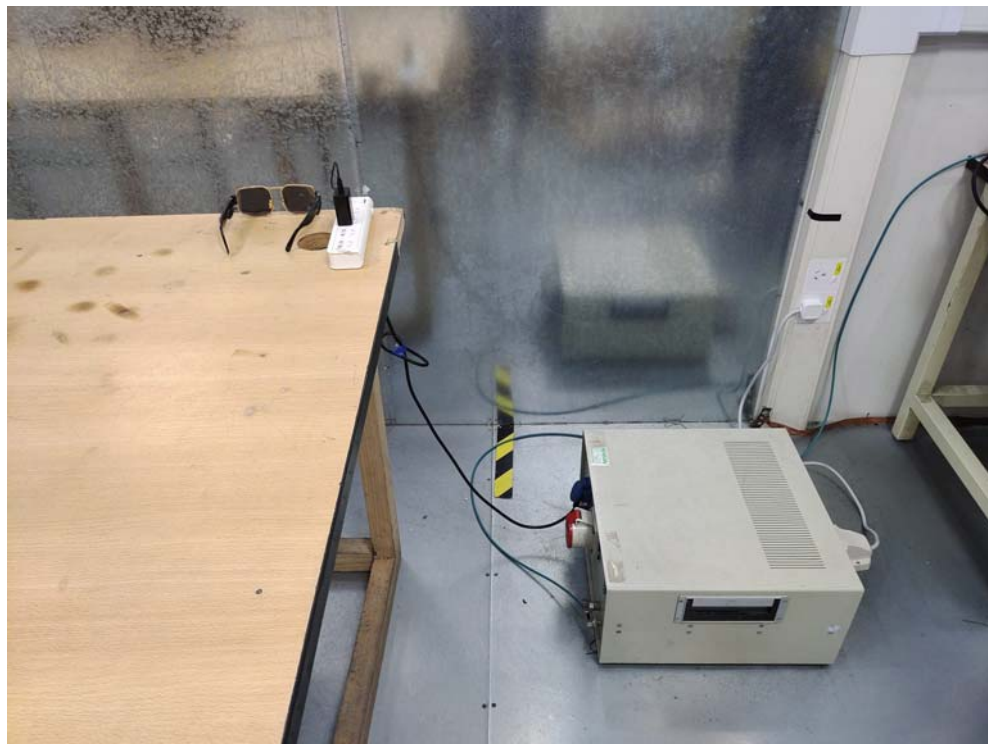
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11.0 Photo of testing

11.1 Conducted test View



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Radiated emission test view



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11.2 Photographs – EUT

Outside View



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Outside View



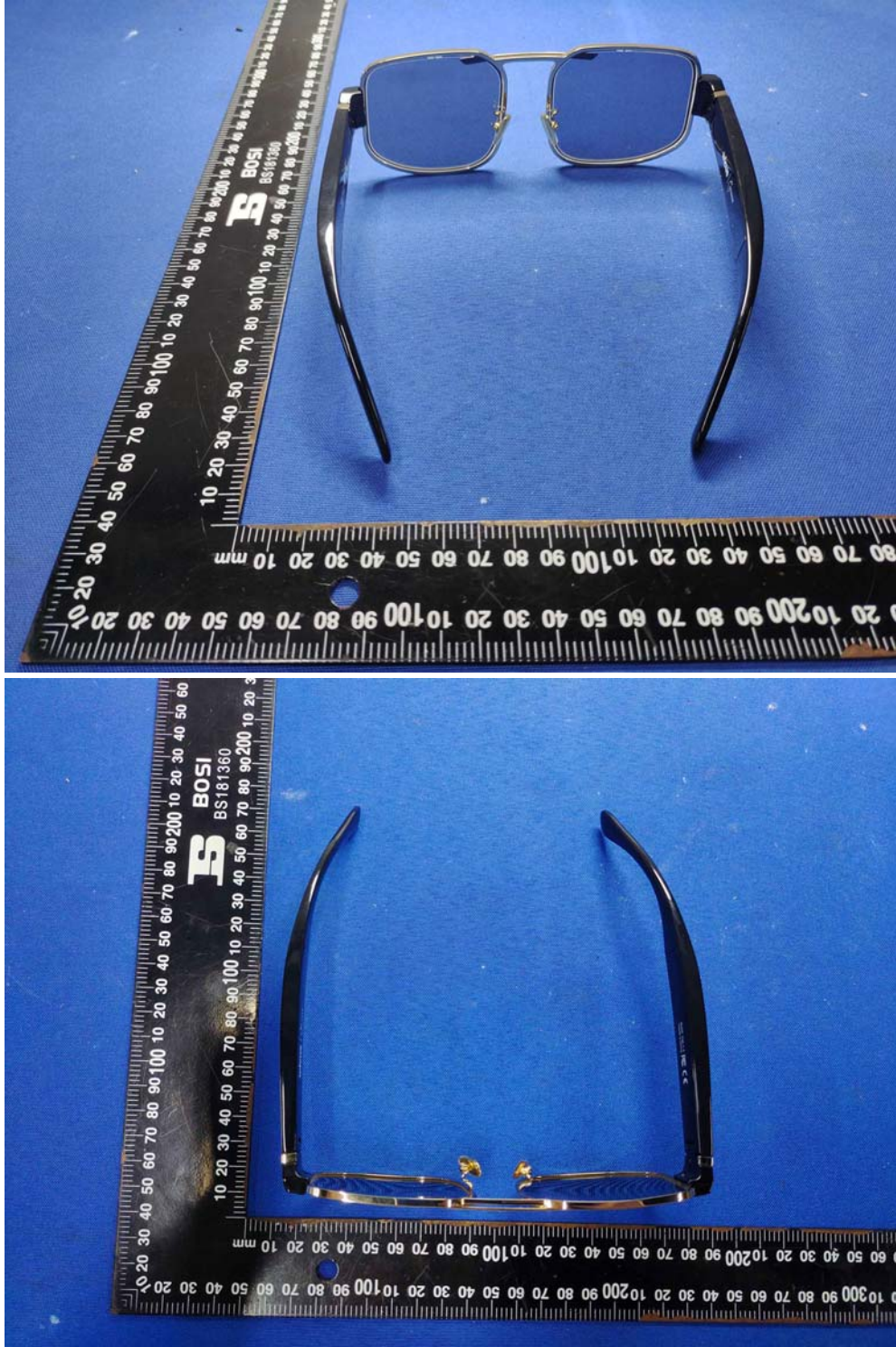
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Outside View



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Outside View



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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.



Outside View



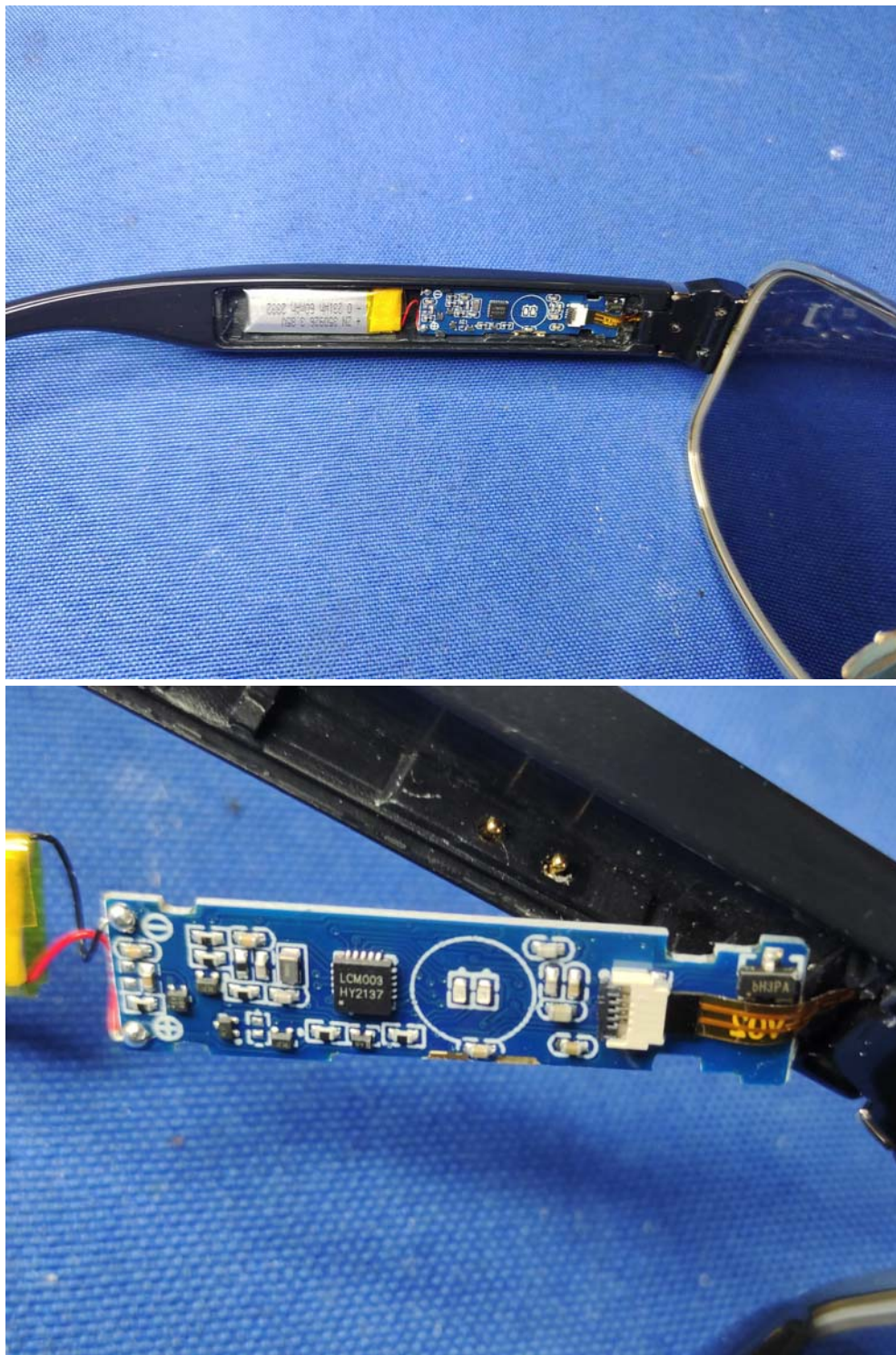
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Inside View - Left Part



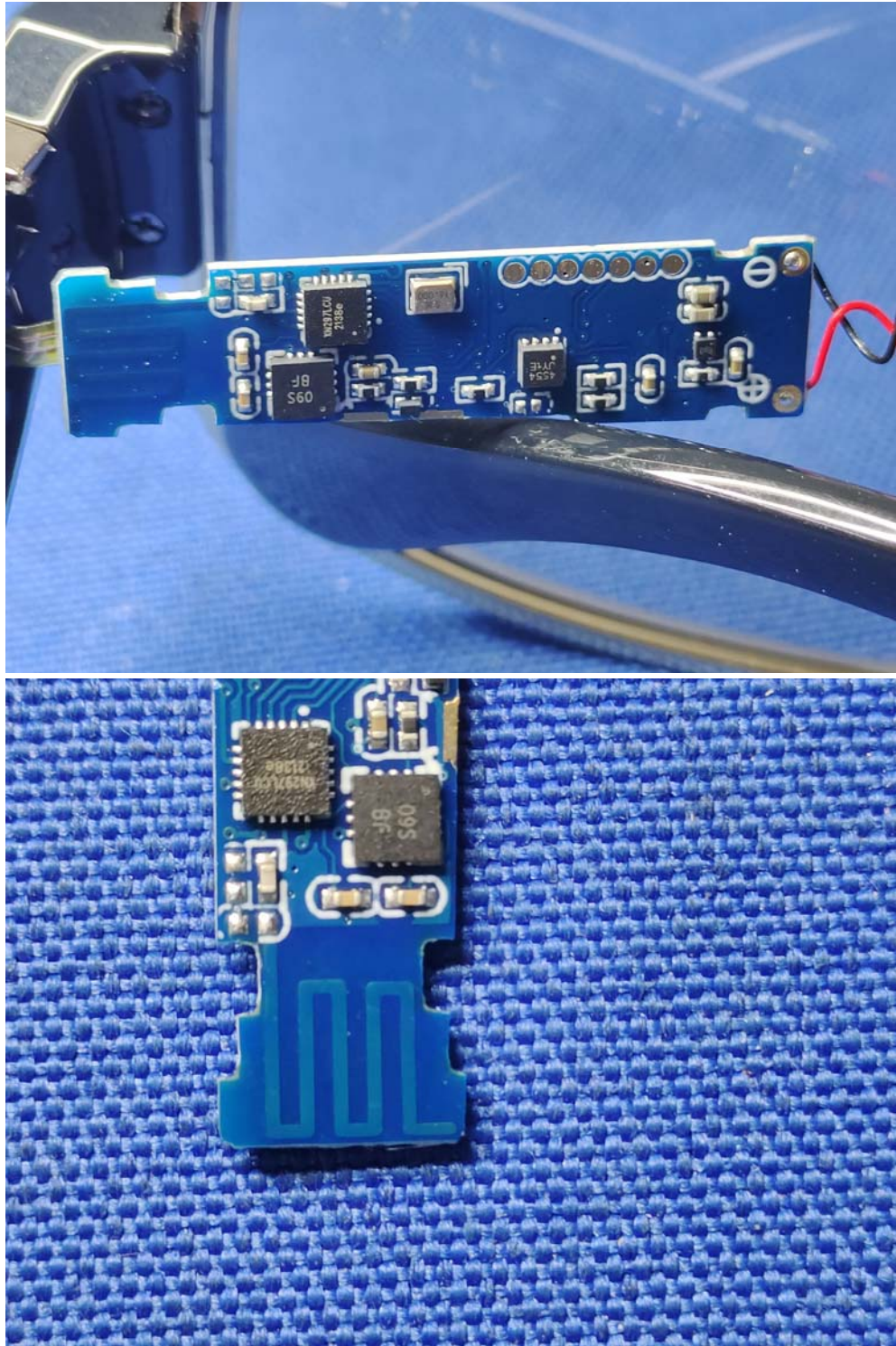
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Inside View - Left Part



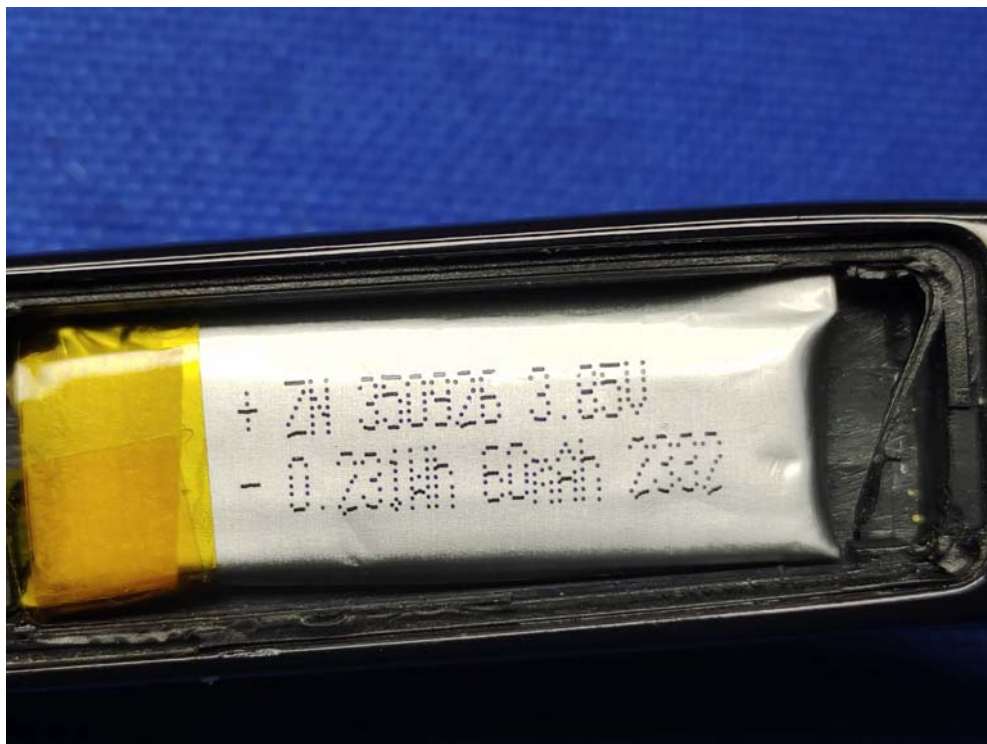
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Inside View - Left Part



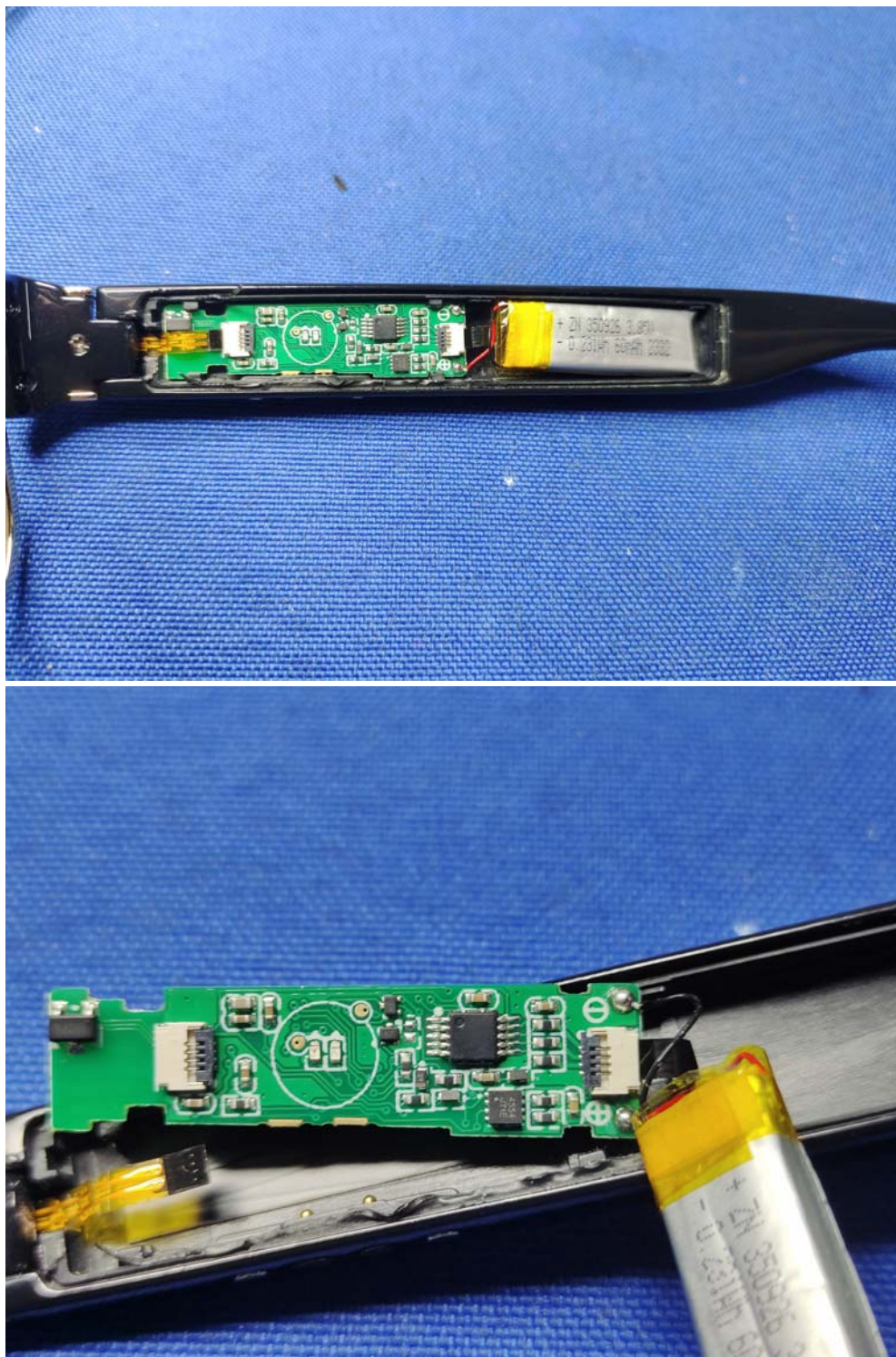
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Inside View - Right Part



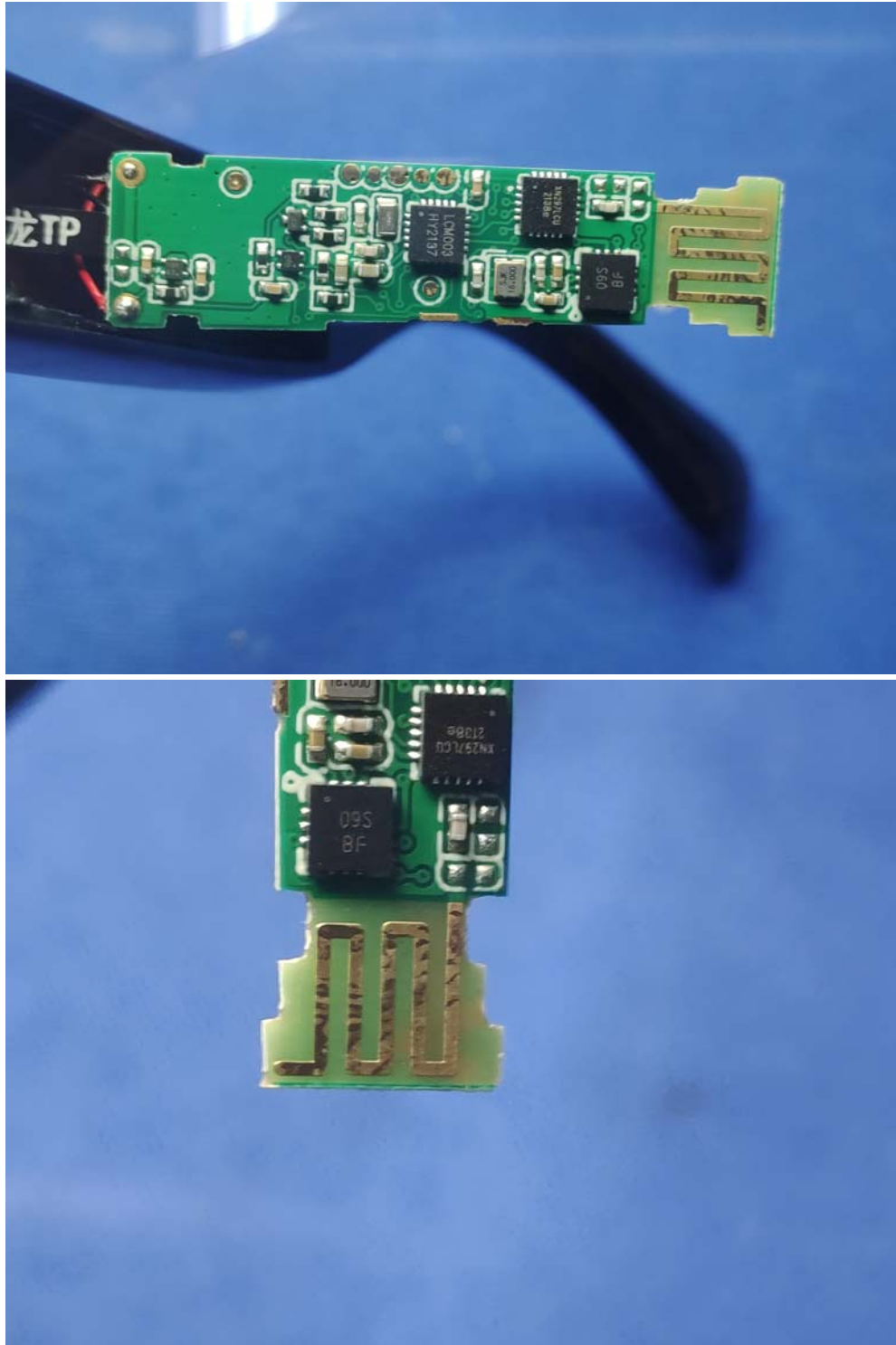
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Inside View - Right Part



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Inside View - Right Part



--End of the report--

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