

EUROFINS ELECTRICAL TESTING SERVICE (SHENZHEN) CO., LTD.

RADIO TEST - REPORT

FCC Compliance Test Report

Product name: Motionblinds Wifi Matter Bridge

Model name: CM-55

FCC ID: ZY4CM55

Test Report Number: EFGX24060324-IE-02-E01

Test Report No.: EFGX24060324-IE-02-E01 Eurofins Electrical Testing Service (Shenzhen) Co., Ltd. 101 and 201, Building 2, Dongfangming Industrial Area, No 83. Dabao Rd., Area 33 Shanghe Neibourhood, Xin'an Community, Bao'an District, Shenzhen, P.R. China. Telephone: +86-755-82911867, Fax : +86-755-82910749

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1 General Information

1.1 Notes

The results of this test report relate exclusively to the item tested as specified in chapter "Description of test item" and are not transferable to any other test items.

Eurofins Product Testing Service (Shenzhen) Co., Ltd. is not responsible for any generalisations and conclusions drawn from this report. Any modification of the test item can lead to invalidity of test results and this test report may therefore be not applicable to the modified test item.

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Operator:

2024-09-26		Bruce Zheng / Project Engineer	Inve Zhong
Date	Eurofins-Lab.	Name / Title	Signature

Technical responsibility for area of testing:

2024-09-26		Abert Xu / Lab Manager	Albert Xu
Date	Eurofins-Lab.	Name / Title	Signature



1.2 Testing laboratory

Eurofins Electrical Testing Service (Shenzhen) Co., Ltd.

1st Floor, Building 2, Chungu, Meisheng Huigu Science and Technology Park, No. 83 Dabao Road, Bao'an District, Shenzhen. P.R.China.

Telephone : +86-755-82911867

Fax : +86-755-82910749

The Laboratory has passed the Accreditation by the American Association for Laboratory Accrediation (A2LA). The Accreditation number is 5376.01

The Laboratory has been listed by industry Canada to perform electromagnetic emission measurements, The CAB identifier is CN0088

1.3 Details of approval holder

Name	:	Coulisse B.V.
Address	:	Vonderweg 48, 7468DC Enter, Netherlands
Telephone	:	./.
Fax	:	./.

1.4 Details of Manufacturer

Name	:	Coulisse B.V.
Address	:	Vonderweg 48, 7468DC Enter, Netherlands
Telephone	:	./.
Fax	:	./.



1.5 Application details

Date of receipt of application Date of receipt of test item Date of test Date of issue 2024-06-19
2024-06-19
2024-06-19 to 2024-09-26
2024-09-26

Motionblinds Wifi Matter Bridge

1.6 Test item

Product type Model name Sample ID Brand Serial number Ratings Test voltage FCC ID Additional information

RadioTechnical data

Frequency range Radio Tech. Frequency channel Modulation Antenna type 433.92MHz

ZY4CM55

: SRD

:

:

:

: ./.

: ./.

:

:

:

:

:

CM-55

120V

N/A

240621-01-003

DC 5.0V from USB port

- : 1 Channel
- : FSK
- : Internal antenna



1.7 Test standards

Test Standards					
FCC Part 15 Subpart C	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators				

Test Method

1: ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz. 2: ANSI C63.10-2013, American National Standard for Testing Unlicensed Wireless Devices.



2 Technical test

2.1 Summary of test results

of the tests performed.	
No deviations from the technical specification(s) were ascertained in the course of the tests performed	\boxtimes

The deviations as specified were ascertained in the course of the tests performed.

2.2 Test environment

Temperature	: 20	 25°C
Relative humidity content	: 30	 60%
Air pressure	: 100	 101kPa

2.3 Measurement uncertainty

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

System Measurement Uncertainty					
Test Items	Extended Uncertainty				
Uncertainty for Conducted RF test	RF Power Conducted: 1.16dB Frequency test involved: 1.05×10-7 or 1%				
Uncertainty for Radiated Spurious Emission 25MHz-3000MHz	Horizontal: 4.46dB; Vertical: 4.54dB;				
Uncertainty for Radiated Spurious Emission 3000MHz-18000MHz	Horizontal: 4.42dB; Vertical: 4.41dB;				
Uncertainty for Radiated Spurious Emission 18000MHz- 40000MHz	Horizontal: 4.63dB; Vertical: 4.62dB;				

2.4 Test mode

The EUT was set at continuously transmitting during the test.

 \square



2.5 Test equipment utilized

EQUIPMENT ID	EQUIPMENT NAME	MODEL NO.	CAL. DUE DATE
23-2-13-01	EMI Test Receiver	ESR7	2025-03-25
23-2-13-02	Signal Analyzer	N9020B-544	2025-03-25
23-2-12-01	Active Loop Antenna	FMZB 1519B	2025-03-25
	TRILOG Broadband		2024-05-29
23-2-12-02	Antenna	VULB9168	
23-2-12-03	Horn Antenna	3117	2024-05-29
23-2-12-04	Horn Antenna	BBHA 9170	2024-05-29
23-2-10-01	Preamplifier	BBV9745	2025-03-25
23-2-10-02	Preamplifier	EMC001330	2025-03-25
23-2-10-03	Preamplifier	EMC051845SE	2025-03-25
23-2-10-14	Switch and Control Unit	ERIT-E-JS0806-SF1	N/A

2.6 Auxiliary Equipment Used during Test:

/ / /	<u>U</u>		
DESCRIPTION	MANUFACTURER	MODEL NO.	S/N
N/A	N/A	N/A	N/A

2.7 Test software information

Test Software Version	MMB-001-433-TestRF			
Modulation	Setting TX Power TX Pattern Packet Type			
FSK	4dBm	Default	Default	

2.8 Customized Configurations

EUT Conf.	Signal Description	Operating Frequency	Duty Cycle
TM1	FSK	433.92MHz	13.1%

2.9 Test Environments

Enviroment Parameter	Temperature	Voltage	Relative Humidity
101.7Kpa	26.5 ℃	120V	58.3%



2.10 Test results

⊠ 1st test

test after modification

production test

Technical Requirements										
FCC Part 15 Su	FCC Part 15 Subpart C/ RSS-210 Issue 9/RSS-Gen Issue 5									
Test Condition		Test Result	Verdict	Test Site						
§15.207	Conducted emission AC power port	Page 11	Pass	Site 1						
§15.231(a)(1)	Automatically Deativate	Page 14	Pass	Site 1						
§15.231(b)(3)	Field strength of fundamental	Page 21	Pass	Site 1						
§15.231(b)(3) §15.209 & §15.205	Field strength of spurious emission	Page 22	Pass	Site 1						
§15.231(c)	-20dB Bandwidth	Page 16	Pass	Site 1						
§15.203	Antenna requirement	See note 1	Pass							

Remark 1: N/A – Not Applicable.

Note 1: The EUT use internal antenna, According to §15.203, it is considered sufficiently to comply with the provisions of this section.



3 Technical Requirement

3.1 Conducted Emission

Test Method:

The test method was refered to the subclause 5.2 of ANSI C63.4-2014.

- 1. The EUT was placed on a table, which is 0.8m above ground plane
- 2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
- 3. Maximum procedure was performed to ensure EUT compliance
- 4. A EMI test receiver is used to test the emissions from both sides of AC line

Test Setup:

The mains cable of the EUT (per AC/DC Adapter) must be connected to LISN. The LISN shall be placed 0.8 m from the boundary of EUT and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance is between the closest points of the LISN and the EUT. All other units of the EUT and associated equipment shall be at least 0.8m from the LISN.

Ground connections, where required for safety purposes, shall be connected to the reference ground point of the LISN and, where not otherwise provided or specified by the manufacturer, shall be of same length as the mains cable and run parallel to the mains connection at a separation distance of not more than 0.1 m.



Limit:

Frequency	QP Limit	AV Limit
MHz	dBµV	dBµV
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linear.



Test Result:



Live line test data

Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Туре	Verdict
1	0.2512	10.25	15.01	61.72	46.71	14.06	51.72	37.66	L1	PASS
2	0.4230	10.25	13.95	57.39	43.44	13.18	47.39	34.21	L1	PASS
3	1.5439	10.27	14.00	56.00	42.00	13.17	46.00	32.83	L1	PASS
4	3.1476	10.29	15.20	56.00	40.80	14.32	46.00	31.68	L1	PASS
5	5.0917	10.35	16.03	60.00	43.97	15.24	50.00	34.76	L1	PASS
6	11.3812	10.48	15.87	60.00	44.13	15.02	50.00	34.98	L1	PASS



Neutral line test data



Final Da	Final Data List										
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Туре	Verdict	
1	0.1739	10.25	16.10	64.77	48.67	15.06	54.77	39.71	Ν	PASS	
2	0.3299	10.25	14.81	59.45	44.64	13.45	49.45	36.00	Ν	PASS	
3	0.8486	10.26	13.74	56.00	42.26	12.90	46.00	33.10	Ν	PASS	
4	3.7574	10.39	15.62	56.00	40.38	14.76	46.00	31.24	Ν	PASS	
5	8.4315	10.43	15.87	60.00	44.13	15.23	50.00	34.77	N	PASS	
6	27.6169	10.79	16.13	60.00	43.87	15.51	50.00	34.49	Ν	PASS	



3.2 Automatically Deativate

Test Method

- 1. Connect EUT test port to spectrum analyzer.
- 2. Set the EUT to transmit maximum output power at 2405MHz.
- 3. RBW=1MHz, VBW≥3RBW, Span=0MHz, Sweep = 10s, Detector function = Average, Sweep time = single
- 4. Remark transmission time and record test plot.

Test Setup:

The component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The press a button of the EUT is to emit the specified signals for the purpose of measurements.



Limits:

According to §15.231 (a) (1), automatically deactivate limit as below:

(2) A transmitter activated automatically shall cease transmission within 5 seconds after activation.



Test Data:

Time of Transmitting (s)	Limit (sec)	Result
0.79	5	Pass

Spectrum Analy Swept SA	rzer 1	F					Marker	v 👯
	Input: RF Coupling: DC Align: Auto	Input Z: 50 Ω Corrections: Off Freq Ref: Int (S)	#Atten: 10 dB	PNO: Best Wide Gate: Off IF Gain: Low Sig Track: Off	Avg Type: Log-Power Avg Hold: 3/100 Trig: Free Run	123456 M WWWW PNNNNN	Select Marker Marker 1	
1 Spectrum Scale/Div 10 d	T B		Ref Level 0.00	dBm	ΔMkr1	790.0 ms -0.14 dB	Marker ∆ Time 790.000 ms	Settings Peak
-10.0							Normal	Search Pk Search Config
-20.0							 Delta (Δ) Fixed 	Properties
-40.0	102)					Off	Marker Function Marker→
-50.0	X 2 11						Delta Marker (Reset Delta) Marker Table	Counter
-70.0							On Off / Marker Settings	
-90.0	ulahangary (n) plangangan	งการได้จะใน _{การส} องไปไปส่วงใหญ่ที่สามสีการไม	riligin venindeliker	หมดุมานอยู่หางหมู่หายให้ปฏ _ิ ณฑ์สอ	(ก _{กา} ระทั่งไขที่มาให้หมู่ในมีมากที่-รูกะไขสาวไป (ก	erilation North Strends	Diagram All Markers Off	
Center 433.920 Res BW 100 ki	0000 MHz Iz		#Video BW 300	l kHz	Sweep 10	Span 0 Hz 0 s (1001 pts)	Couple Markers On Off	
1 5		Sep 26, 2024 9:48:36 AM						

Test Result: Pass



3.3 20dB bandwidth

Test Method:

- 1. Connect EUT test port to spectrum analyzer.
- 2. Set the EUT to transmit maximum output power at 2405MHz.
- 3. Then set the EUT to transmit at high, middle and low frequency separately.
- 4. Set Span = approximately 1.5 to 5 times the 99% bandwidth.
- 5. Set RBW \geq 1% to 5% of the 99% bandwidth, VBW \geq RBW.
- 6. Set Sweep = auto.
- 7. Set Detector function = Average.
- 8. Allow the trace to stabilize.
- 9. Repeat above procedures until all frequencies measured were complete.

Test Setup:

The component's antenna ports(s) of the EUT are connected to the measurement instrument per an appropriate attenuator. The press a button of the EUT is to emit the specified signals for the purpose of measurements.



Limit:

According to §15.231 (c), automatically deactivate limit as below:

The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz.



Test Result

20dB Bandwidth (KHz)	Limit (KHz)	Result
134.6	1086	Pass

Spect	rum	R	eceiver X				(m)
Ref Le Att	vel -	10.00 dB 10 d	m 😑	RBW 30 kHz VBW 100 kHz M	lode Auto FFT	Input 1 AC	<u>, </u>
01Pk M	lax		10 VA	20 - 75			
-20 dBn -30 dBn	n			0 12	M1[1] ndB Bw Q factor		-15.41 dBm 433.90260 MHz 20.00 dB 134.600000000 kHz 3223.9
-40 dBn	n		3 - 33 -	× ×			
-S0 dBn	n			1		-	
-60 dBn	n	- 0					
-70 dBn							
-80 dBn	n-+-				1		
-90 dBn	n						
-100 d8	Sm-						
CF 433	3.92 M	1Hz		691 pts			Span 3.0 MHz
Marker	8						
Туре	Ref	Trc	X-value	Y-value	Function	Fund	tion Result
M1		1	433.9026 MHz	-15.41 dBm	ndB down		134.6 kHz
T1		1	433.8505 MHz	-35.40 dBm	ndB		20.00 dB
T2		1	433.9851 MHz	-35,72 dBm	Q factor		3223.9
	1	Υ Π			Meanwrites	Cinnana B	AM 20.07.2024

Date: 28.JUL.2024 09:26:33



3.4 Field strength of fundamental , Field strength of spurious emission for transmitter and Restricted bands

Test Method:

1: The EUT was place on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.

2: The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.

3: The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

4: For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

5: Use the following spectrum analyzer settings According to C63.10:

For Above 1GHz

Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 1MHz, VBW≥RBW for peak measurement and VBW = 10Hz for average measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Below 1GHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 100 KHz, VBW≥RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

For Below 30MHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious RBW = 200 Hz, VBW \ge RBW from 9KHz to 0.15MHz, RBW 9KHz VBW \ge RBW from 0.15MHz to 30MHz for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

Note:

1: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Quasi-peak detection (QP) at frequency below 1GHz.

2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for peak detection (PK) at frequency above 1GHz.

3: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average ((duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (20log(1/duty cycle)).

4: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.

Test Setup:

Test Setup 1: Radiated Emission test below 30MHz

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.4. The test distance is 3m. The setup is according to ANSI C63.4.





Test Setup 2: Radiated Emission test below 1GHz

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.4. The test distance is 3m. The setup is according to ANSI C63.4.



Test Setup 3: Radiated Emission test above 1GHz

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.4. The test distance is 3m. The setup is according to ANSI C63.4.



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Limit:

Radiated emissions which fall in the restricted bands, as defined in section 15.205, must comply with the radiated emission limits specified in section 15.209.

§ 15.209

	Frequency	Field Strength	Field Strength	Detector	
	MHz	uV/m	dBµV/m		
_	30-88	100	40	QP	
	88-216	150	43.5	QP	
	216-960	200	46	QP	
	960-1000	500	54	QP	
	Above 1000	500	54	AV	
	Above 1000	5000	74	PK	

§15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

§15.231 (b) In addition to the provisions of §15.205, the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Fundamental frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emissions (microvolts/meter)		
40.66-40.70	2,250	225		
70-130	1,250	125		
130-174	¹ 1,250 to 3,750	¹ 125 to 375		
174-260	3,750	375		
260-470	¹ 3,750 to 12,500	¹ 375 to 1,250		
Above 470	12,500	1,250		



* Linear interpolation with frequency, f, in MHz:

For 130-174 MHz: Field Strength (μ V/m) = (56.82 × f)-6136

For 260-470 MHz: Field Strength (μ V/m) = (41.67 × f)-7083

Note 1: Frequency bands 225-328.6 MHz and 335.4-399.9 MHz are designated for the exclusive use of the Government of Canada. Manufacturers should be aware of possible harmful interference and degradation of their licence-exempt radio equipment in these frequency bands.

Field Strength of the Fundamental Emissions

The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit.

Fundamental Average $(dB\mu V/m) = 80.82dBuV/m$ (Average) Fundamental Peak $(dB\mu V/m) = 80.82dBuV/m + 20 = 100.82dBuV/m$

Field Strength of the Spurious Emissions

The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit.

Fundamental Average $(dB\mu V/m) = 60.82dBuV/m$ (Average)

Fundamental Peak (dBµV/m) = 60.82dBuV/m + 20 = 80.82dBuV/m

Remark:

- (1) "*" means the emission(s) appear within the restrict bands shall follow the requirement of section 15.205.
- (2) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
- (3) Above 1GHz: Corrector factor = Antenna Factor + Cable Loss Amplifier Gain.
- (4) Below 1GHz: Corrector factor = Antenna Factor + Cable Loss Amplifier Gain.
- (5) Note: The low frequency, which started from 9 kHz to 30MHz with X/Y/Z axis, was prescanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.



	PK								
NO.	Freq.	Level	Factor	Limit	Margin	Height	Angle	Polarity	Vordict
	[MHz]	[dBµV/m]	[dB/m]	[dBµV/m]	[dB]	[cm]	[°]	Folanty	Verdict
1	433.92	85.42	-12.25	100.82	15.40	100	37	Horizontal	PASS
2	433.92	89.27	-12.25	100.82	11.55	100	265	Vertical	PASS

Field Strength of the Fundamental Emissions

	AV								
NO.	Freq. [MHz]	PK Level [dBµV/m]	DC Factor [dB/m]	AV Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Verdict
1	433.92	85.42	-17.26	68.18	80.82	12.64	100	37	PASS
2	433.92	89.27	-17.26	72.01	80.82	8.81	100	265	PASS

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

Result of PK=Reading Level +Antenna Factor + Cable Loss - Amplifier Gain.

Result of AV= Reading Level +Antenna Factor + Cable Loss - Amplifier Gain+Duty factor. Duty factor=20 log (13.7/100)= -17.26dB



Date: 28.JUL.2024 09:23:11



Ref Level 11 Att SGL PS	1.00 dB 40	µV dB e SWT	140 ms 🖷 1	RBW 100 kH VBW 300 kH	Hz Hz I	nput 1 AC			(4	
01Pk Clrw										
100 dBµV		D1[1]							-0.06 dB 104.580 ms 90.68 dBµV 8.680 ms	
90 dBu	-			. 1 .				1	-	
80 dBµV	_					-			<u>.</u>	
70 dBµV	_									
60 dBµV	_									
50 dBµV 104-Ар 40 dBµV	White	platentin	ghupi pitabili	hlyphillyprine	addaethair	louth work and	philiphanellikkin		Margharada	
30 dBµV				. 1						
20 dBµV				-		-				
CF 433.92 MH	z			1001	pts			0	14.0 ms/	

Date: 28.JUL.2024 09:24:36



Field strength of spurious emission for transmitter 30MHz - 1GHz



– QP	Limit	 H
QP	Detector	

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	81.4100	31.68	-20.32	40.00	8.32	100	12	Horizontal	PASS
2	299.660	39.61	-16.17	46.00	6.39	100	43	Horizontal	PASS
3	350.100	42.49	-14.60	46.00	3.51	100	29	Horizontal	PASS
4	399.570	43.60	-12.91	46.00	2.40	100	40	Horizontal	PASS
5	500.450	44.36	-10.89	46.00	1.64	100	12	Horizontal	PASS
6	900.090	41.28	-2.54	46.00	4.72	100	340	Horizontal	PASS





		 venucar	
•	QP Detector		

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	35.8200	36.73	-16.44	40.00	3.27	100	0	Vertical	PASS
2	150.280	29.88	-16.37	43.50	13.62	100	259	Vertical	PASS
3	250.190	31.43	-17.22	46.00	14.57	100	348	Vertical	PASS
4	399.570	40.67	-12.91	46.00	5.33	100	136	Vertical	PASS
5	500.450	41.70	-10.89	46.00	4.30	100	348	Vertical	PASS
6	868.080	34.72	-3.28	46.00	11.28	100	100	Vertical	PASS



Field strength of spurious emission for transmitter above 1GHz According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1150.43	40.59	-26.15	74.00	33.41	150	69	Horizontal	PASS
2	1250.45	40.89	-25.64	74.00	33.11	150	87	Horizontal	PASS
3	1800.96	39.29	-22.82	74.00	34.71	150	106	Horizontal	PASS
4	2637.12	40.07	-19.78	74.00	33.93	150	252	Horizontal	PASS
5	3380.47	41.83	-18.54	74.00	32.17	150	201	Horizontal	PASS
6	4117.42	41.79	-16.71	74.00	32.21	150	28	Horizontal	PASS

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	1050.41	39.65	-26.66	74.00	34.35	150	37	Vertical	PASS
2	1250.45	37.04	-25.64	74.00	36.96	150	286	Vertical	PASS
3	1836.16	38.77	-22.56	74.00	35.23	150	104	Vertical	PASS
4	2248.24	45.58	-21.29	74.00	28.42	150	144	Vertical	PASS
5	3180.43	40.90	-18.86	74.00	33.10	150	213	Vertical	PASS
6	4143.02	41.87	-16.66	74.00	32.13	150	334	Vertical	PASS

END