

April 8, 2026

Zackat Labs
Andy Poole
5550 Granite Parkway, Suite 260
Plano, TX 75024

Dear Andy Poole,

Enclosed is the Electromagnetic Compatibility for the Zackat Labs, Monaco, tested to the requirements of:

- FCC Part 15 Subpart B (per ANSI C63.4: 2014)

Thank you for using the services of Eurofins E&E Testing NA, LLC. Please contact me if you have any questions regarding these results or if Eurofins E&E can be of further service to you.

Sincerely,

Rheine Nguyen

Documentation Department
Eurofins E&E Testing NA, LLC.

Reference: EMCS137154-FCC 15B Rev. 3



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Report Status Sheet

Revision	Report Date	Reason for Revision
Ø	July 24, 2025	Initial Issue.
1	January 2, 2026	Added Configuration Form.
2	January 14, 2026	Added FCC ID and IC ID.
3	April 8, 2026	Add Model Number in Section 2.4

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1.0 Testing Summary

The Zackat Labs, Monaco was found to be compliant to the following specification(s).

- FCC Part 15 Subpart B (per ANSI C63.4: 2014)



Chin Ming Lui
Senior Wireless Test Engineer

Engineering Statement: The measurements shown in this report were made in accordance with the procedures indicated. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements.

2.0 Overview

Eurofins E&E Testing NA, LLC. was contracted by Zackat Labs to perform testing on the Monaco, under purchase order number 1008.

This document describes the test setups, test methods, required test equipment, and the test limit criteria used to perform compliance testing of Zackat Labs, Monaco.

The results obtained relate only to the item(s) tested.

Model(s) Tested:	Monaco
Equipment Emissions Class:	B

2.1 FCC ID

FCC ID: 2BPP9-ZH2506

IC ID: 34156-ZH2506

2.2 Test Site

All testing was performed at Eurofins E&E Testing NA, LLC., 3162 Belick St. Santa Clara, CA 95054. All equipment used in making physical determinations is accurate and bears recent traceability to the National Institute of Standards and Technology. Eurofins E&E Testing NA, LLC. has been accredited by the American Association for Laboratory Accreditation (A2LA) (Certificate #: 0591.02) in accordance with ISO/IEC 17025:2017.

2.3 Measurement Uncertainty

Measurement uncertainty calculated as per NIST Technical Note (TN) 1297 and ANSI / NCSL Z540-2, as equivalent to EN 55016-4-2 / IEC CISPR 16-4-2.

Test Method	Typical Expanded Uncertainty (dB)	K	Confidence Level
Radiated Emissions, (30 MHz – 1 GHz)	±3.24	2	95%
Radiated Emissions, (1 GHz – 6 GHz)	±3.92	2	95%
Conducted Emission Voltage	±2.44	2	95%
Conducted Emission Telecom	±3.53	2	95%

2.4 Equipment Overview and Test Configuration

Name of EUT/Model:	Monaco Model ZH2506-01
Description of EUT and Intended Use:	It is used to monitor core body temperature.
Mode(s) of Operation:	Upon power up, the DUT will communicate with Zackat Lab server via Cat M1 module. The core body temperature is monitored and data is sent to server for analysis to establish normal body temperature range.
Rationale for the selection of the Operation Mode(s):	If the core body temperature shows signs of deviation from normal, the DUT will notify user.
Monitoring Method(s):	The core body temperature sensor is on the backside of DUT resting on the arm of user. Once the contact area temperature is elevated above the nominal, a warning message is played on the DUT speaker.
EUT Power Requirement	
Voltage:	5V
AC or DC	DC
Voltage Frequency:	NA
Number of Phases:	NA
Amperage:	100Ma @5V
Uses an external AC/DC Adapter:	USB Charger
Battery Return Configuration (DC-C, DC-I, or either):	NA
Physical Description	
EUT Arrangement:	NA
System with Multiple Chassis:	No
Size (HxWxD) inches:	50mm x 45mm x 20mm
Weight (lbs):	0.6 oz
Other Info:	
Highest frequency used in device:	2150MHz (Band 4)
EUT Software (internal to EUT):	Monaco V48 Cert Rel 250902
Support Software (used by support PC to exercise EUT):	Tera Terminal

Ports and Cabling List

Ref. ID	Port name on EUT	Cable Description or reason for no cable	Qty	Length as tested (m)	Max Length (m)	Shielded? (Y/N)	Termination Box ID & Port Name
C1	USB Port	Use USB cable for Charging	1	1	1	N	NA

Antenna Information

Radio	Antenna Type	Manufacturer	Part No	Frequency Range	Peak Gain
LoRa					-1.7 dBi

Note: Antenna information was provided by Zackat Labs. Eurofins E&E Testing NA, LLC did not test or verify the accuracy of the antenna information.

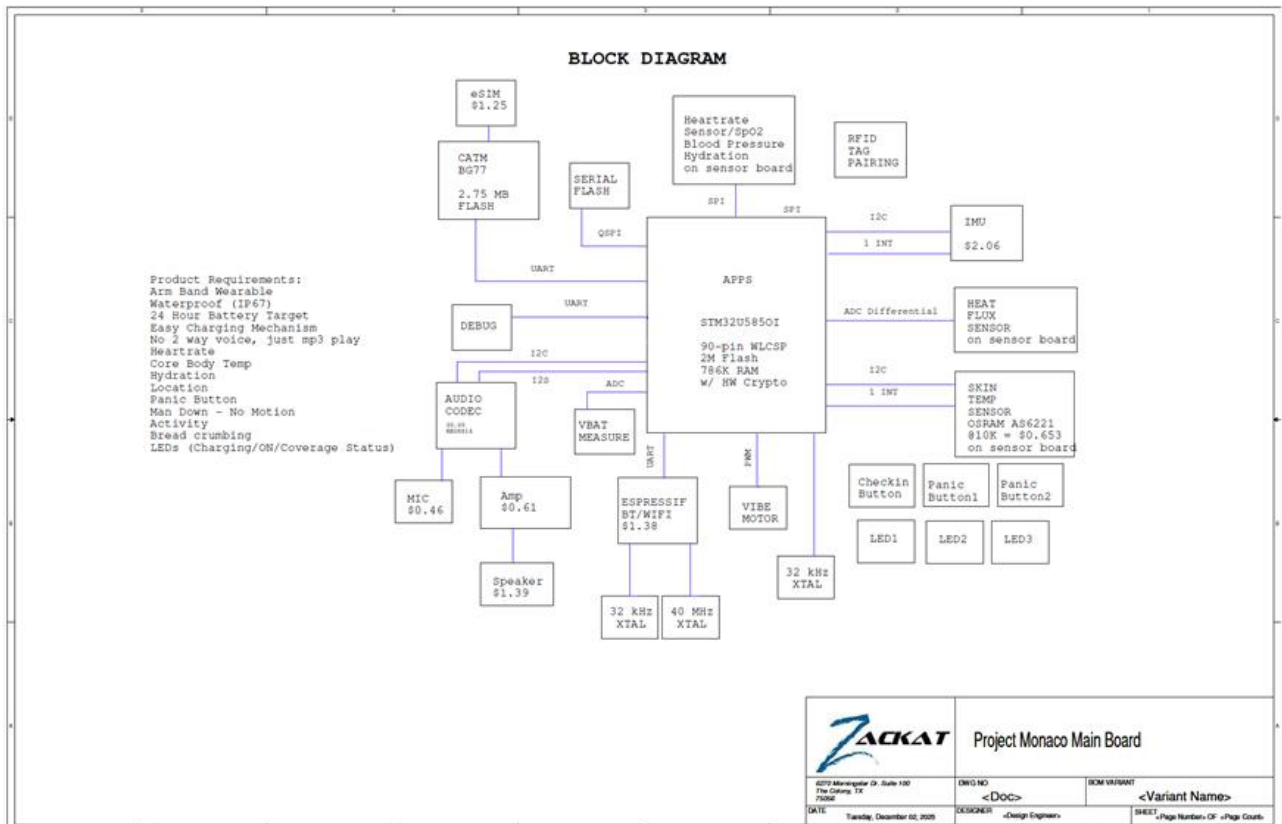


Figure 1. Block Diagram

2.5 Modifications to the EUT

No modifications were made to the EUT.

2.6 Modifications to the Standard

No modifications were made to the Test Standard.

2.7 Disposition of EUT

The test sample including all support equipment (if any), submitted to the Electromagnetic Compatibility Lab for testing was returned to Zackat Labs upon completion of testing.

3.0 Electromagnetic Compatibility Emission Criteria

3.1 Radiated Emissions: Electromagnetic Radiation Disturbance

Test Method: ANSI C63.4: 2014

Test Requirement(s): The following standards specified below are covered in the scope of this section of the test report:

- FCC Part 15 Subpart B (per ANSI C63.4: 2014)

§15.109 (a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency (MHz)	Field Strength (dBμV/m)
30 - 88	40
88 - 216	43.5
216 - 960	46
Above 960	54

Sample Calculation for Distance Correction factor (DCF) measurement:

$$F_d = 20 \cdot \log_{10} (D_m/D_s)$$

where:

F_d = Distance Factor in dB

D_m = Measurement Distance in meters

D_s = Specification Distance in meters

Sample formula for calculating the Corrected Data for the Radiated Emissions Measurements:

Frequency (MHz)	Antenna Polarity	EUT Azimuth (Degrees)	Antenna Height (cm)	Uncorrected Amplitude (dBμV)	ACF (dB/m) (+)	Pre Amp Gain (dB)(-)	CBL (dB) (+)	DCF (dB) (+)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
249.99	V	359.9	240.7	55.46	11.4	28.335	0	0	38.505	47	-8.495

$$\begin{aligned} \text{Corrected Amplitude (dBμV/m)} &= \text{Uncorrected Amplitude (dBμV)} + \text{ACF (dB/m)} - \text{Preamp Gain (dB)} + \text{CBL (dB)} + \text{DCF (dB)} \\ &= 55.46 + 11.4 - 28.335 + 0 + 0 = \mathbf{38.505} \end{aligned}$$

Test Procedure:

The EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber. The method of testing, test conditions, and test procedures of ANSI C63.4: 2014 were used. Any measured frequency that exhibits a margin of compliance that is less than 3 dB below the specification limit is marked. Eurofins E&E recommends that every emission measured, has at least a 3 dB margin to allow for deviations in the emission characteristics that may occur during the production process.

For emissions between 30 MHz and 1000 MHz, a biconilog antenna was located 3m from the EUT on an adjustable mast. A pre-scan was first performed to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. Unless otherwise specified, measurements were made using a quasi-peak detector with a 120 kHz resolution bandwidth.

For emission between 1 GHz and 18 GHz, a double ridged guide horn was located 3 m from the EUT on an adjustable mast. A pre-scan was performed and used to find prominent radiated emissions. For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied depending on the geometry of the EUT. To ensure maximized emissions, the horn antenna was positioned both vertically and laterally. Measurements in both horizontal and vertical polarities were made and the data was recorded. Unless otherwise specified, measurements were made using a peak and average detector with a 1 MHz resolution bandwidth.

Test Software Used:

Nexio BAT-EMC was used to perform this test.

Test Results:

Test Standard:	FCC Part 15 Subpart B (per ANSI C63.4: 2014) Class B
Test Name	Radiated Emissions
Test Dates:	07/11/2025
Laboratory	Eurofins E&E Testing NA, LLC.
Test Engineer:	Chin Ming Lui
Test Results:	Compliant
Ambient Temperature (°C):	23.1
Relative Humidity (%):	42
Atmospheric Pressure (kPa):	101.3

Test Data

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
31.3404	QuasiPeak (PASS)	16.15	40	-23.85	3.253	203	Vertical	120000	0.1	-5.885
33.1038	QuasiPeak (PASS)	14.373	40	-25.627	1.59	297	Horizontal	120000	0.1	-7.94

Table 1. Radiated Emissions, Idle Mode (30 MHz – 1 GHz) Test Results

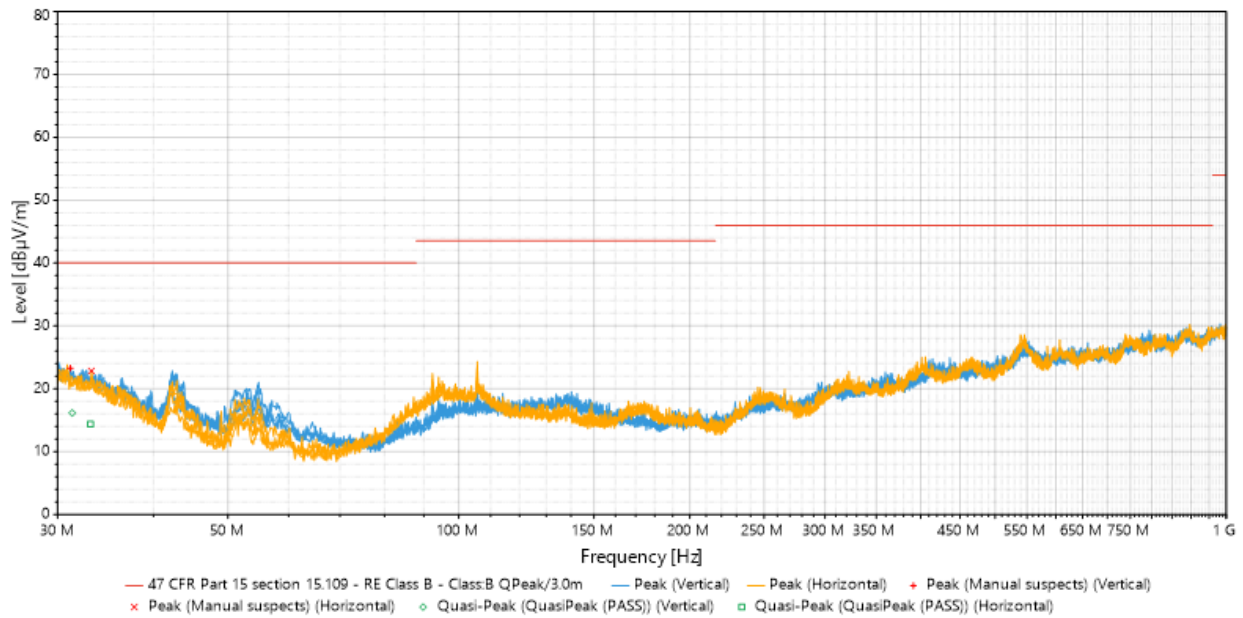


Figure 2. Radiated Emissions, Idle Mode (30 MHz – 1 GHz) Plot

Frequency (MHz)	Source	Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (m)	Azimuth (°)	Pol.	RBW (Hz)	Meas. Time (s)	Correction (dB)
15229.1	Peak (PASS)	51.662	74	-22.338	3.504	349	Vertical	1000000	0.1	9.608
15229.1	Average (PASS)	38.221	54	-15.779	3.504	349	Vertical	1000000	0.1	9.608
15764	Peak (PASS)	53.043	74	-20.957	3.523	355	Horizontal	1000000	0.1	10.607
15764	Average (PASS)	39.619	54	-14.381	3.523	355	Horizontal	1000000	0.1	10.607
17354.8	Peak (PASS)	60.525	74	-13.475	2.612	272	Horizontal	1000000	0.1	15.091
17354.8	Average (PASS)	46.953	54	-7.047	2.612	272	Horizontal	1000000	0.1	15.091
17355.4	Peak (PASS)	60.872	74	-13.128	2.608	210	Horizontal	1000000	0.1	15.09
17355.4	Average (PASS)	46.896	54	-7.104	2.608	210	Horizontal	1000000	0.1	15.09
17400.8	Peak (PASS)	60.642	74	-13.358	3.179	97	Vertical	1000000	0.1	15.07
17400.8	Average (PASS)	47.094	54	-6.906	3.179	97	Vertical	1000000	0.1	15.07

Table 2. Radiated Emissions, Idle Mode (1 – 18 GHz) Test Results

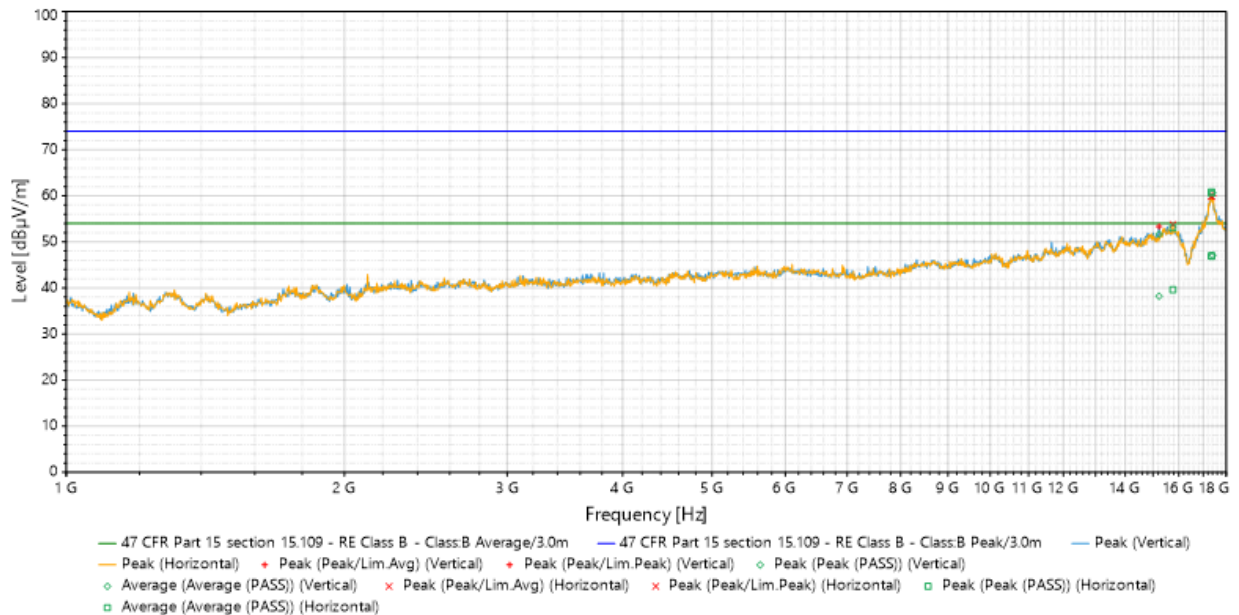


Figure 3. Radiated Emissions, Idle Mode (1 – 18 GHz) Plot

Calibrated test equipment utilized during testing was maintained in a current state of calibration per the requirements of ISO/IEC 17025:2017.

Test Name: FCC 15B			Test Date(s): 07/14/2025		
Asset #	Equipment	Manufacturer	Model	Last Cal Date	Cal Due Date
1S2399	Turntable Controller	Sunol Sciences	SC99V	See Note 1	
1S4856	Antenna Positioning Tower	ETS-Lindgren	2171B	See Note 1	
1S2482	5 Meter Chamber	Panashield - ETS	5 Meter Semi-Anechoic Chamber	See Note 2	
1S4804	EMI Test Receiver	Rohde & Schwarz	ESW44	08/07/2024	08/07/2025
1S2485	Bilog Antenna	Teseq	CBL6112D	11/27/2024	11/27/2026
1S2435	Horn Antenna	ETS-Lindgren	3117	03/17/2025	03/17/2027
1S2668	Pre-Amplifier	Sonoma Instruments	310 N	03/18/2025	03/18/2027
1S4802	Pre-Amplifier	EMC Instruments Corporation	EMC118A45SE	See Note 1	
Note 1: Functionally tested equipment is verified using calibrated instrumentation at the time of testing.					
Note 2: Latest NSA and VSWR data available upon request.					

Table 3. Radiated Emissions, Test Equipment

END OF REPORT