

RF EXPOSURE EVALUATION REPORT

FCC ID : 2AXJSIWRL6432BAFCLI
Equipment : Certified 60GHz mmWave Radar Module For Motion and Presence Detection
Brand Name : Texas Instruments
Model Name : IWRL6432BAFCLIMBBR
Applicant : Texas Instruments, Inc.
12500 TI BLVD; DALLAS, TX 75243
Manufacturer : Cloud Network Technology Singapore Pte.Ltd.
Quang Chau Industrial Zone, Van Trung Ward, Viet Yen Town, Bac Giang Province, Vietnam
Standard : 47 CFR Part2.1091

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part2.1091 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 3786) and the FCC designation No. TW3786 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Laboratory, the test report shall not be reproduced except in full



Approved by: Cona Huang / Deputy Manager



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History of this test report

Report No.	Version	Description	Issued Date
FA612101	Rev. 01	Initial issue of report	Jun. 04, 2026

**1. Description of Equipment Under Test (EUT)**

Product Feature & Specification	
EUT Type	Certified 60GHz mmWave Radar Module For Motion and Presence Detection
Brand Name	Texas Instruments
Model Name	IWRL6432BAFCLIMBBR
FCC ID	2AXJSIWRL6432BAFCLI
Wireless Technology and Frequency Range	60GHz Radar: 57000MHz ~ 59400MHz
Mode	FMCW
EUT Stage	Production Unit

Reviewed by: Jason Wang**Report Producer: Daisy Peng****2. Maximum RF EIRP power among production units**

Mode	Maximum EIRP power(dBm)
60GHz	19

3. RF Exposure Limit Introduction

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310.

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500			f/300	6
1500-100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = Power Density

P = Output Power at Antenna Terminals

G = Gain of Transmit Antenna (linear gain)

R = Distance from Transmitting Antenna

4. Radio Frequency Radiation Exposure Evaluation

4.1. Standalone Power Density Calculation

Band	Maximum EIRP (dBm)	Maximum PG (mW)	Power Density at 20cm (mW/cm ²)	Limit (mW/cm ²)
60GHz	19.00	79.43	0.016	1.000

Conclusion:

According to 47 CFR §1.1307, the RF exposure analysis concludes that the RF Exposure is FCC compliant.