



RF EXPOSURE EVALUATION REPORT

FCC ID : W22-APE5
Equipment : Access Point AP5
Brand Name : Store Intelligence Inc.
Model Name : APE5
Marketing Name : APE5
Applicant : Store Intelligence
6700 Koll Center Parkway, Suite 109, Pleasanton, CA, 94566, USA
Manufacturer : Team Precision Public Company Limited
198 Moo 13 Suwansorn Rd. , Dong-Khee-Lek, Muang Prachinburi
25000, Thailand
Standard : 47 CFR Part 2.1901

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1901 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 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

Cona Huang
Approved by: Cona Huang / Deputy Manager



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History of this test report



1. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	Access Point AP5
Brand Name	Store Intelligence Inc.
Model Name	APE5
FCC ID	W22-APE5
Wireless Technology and Frequency Range	2400 MHz ~ 2483.5 MHz
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

Reviewed by: Jason Wang

Report Producer: Daisy Peng

2. Maximum RF average output power among production units

Mode	Maximum Average power(dBm)
Proprietary in 2.4GHz Band	20.5



3. RF Exposure Limit Introduction

According to Part1.1307b, Or the available maximum time-averaged power or effective radiated power (ERP), whichever is greater, is less than or equal to the threshold P_{th} (mW) described in the following formula. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by:

$$P_{th} \text{ (mW)} = ERP_{20cm} (d / 20)^x \text{ for distance } d \leq 20\text{cm}$$

$$P_{th} \text{ (mW)} = ERP_{20cm} \text{ for distance } 20\text{cm} < d \leq 40\text{cm}$$

$$x = -\log_{10} \left(\frac{60}{ERP_{20cm}\sqrt{f}} \right)$$

ERP _{20cm} (mW)	0.3 GHz ≤ f < 1.5 GHz:	2040
	1.5 GHz ≤ f ≤ 6 GHz:	3060

4. RF Exposure Evaluation

Band	Antenna Gain (dBi)	Maximum Conducted Power (dBm)	Maximum EIRP (dBm)	Maximum ERP (dBm)	Maximum EIRP (mW)	Maximum ERP (mW)	P_{th}	P_{th} (mW)	Part1.1307 option(b) Threshold (mW)
WLAN2.4GHz Band	6.0	20.5	26.5	24.35	446.68	272.27	24.35	272.27	3060.000

Conclusion:

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