

TEST REPORT

Report No. : CQASZ20260501091E-02
Applicant: Shenzhen Inateck Technology Co.,Ltd.
Address of Applicant: Rm. 2507, Bldg. 11, TianAn Cloud Park, Bantian Street, Longgang District,
Shenzhen, China.
Equipment Under Test (EUT):
EUT Name: Barcode Scanner
Model No.: N6076 , N6077, N6078, N6079, N6080
Test Model No.: N6076
Brand Name: inateck
FCC ID: 2A2T9-N6076
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2026-05-27
Date of Test: 2026-05-27 to 2026-08-13
Date of Issue: 2026-9-8
Test Result : PASS

Tested By: Azir Wang
(Azir Wang)

Reviewed By: Timo Lei
(Timo Lei)

Approved By: Jack Ai
(Jack Ai)



1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20260501091E-02	Rev.01	Initial report	2026-9-8

Note:

Model No.:N6076, N6077, N6078, N6079, N6080

Their electrical circuit design, layout, components used and internal wiring are identical,

Only the model is different.

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3. General Information

4. Client Information

Applicant:	Shenzhen Inateck Technology Co.,Ltd.
Address of Applicant:	Rm. 2507, Bldg. 11, TianAn Cloud Park, Bantian Street, Longgang District, Shenzhen, China.
Manufacturer:	Shenzhen Inateck Technology Co.,Ltd.
Address of Manufacturer:	Rm. 2507, Bldg. 11, TianAn Cloud Park, Bantian Street, Longgang District, Shenzhen, China.
Factory:	Shenzhen Inateck Technology Co.,Ltd.
Address of Factory:	Rm. 2507, Bldg. 11, TianAn Cloud Park, Bantian Street, Longgang District, Shenzhen, China.

5. General Description of EUT

Product Name:	Barcode Scanner
Model No.:	N6076 , N6077, N6078, N6079, N6080
Test Model No.:	N6076
Trade Mark:	inateck
Software Version:	V1.5.7
Hardware Version:	V1.2
Modulation Type:	GFSK
Transfer Rate:	1Mbps
Number of Channel:	40
Antenna Type:	Spring antenna
Antenna Gain:	3.91dBi
Product Type:	☐ Mobile ☒ Portable
EUT Power Supply:	Li-ion battery DC 3.65V 2600mAh, Charge by DC 5V for adapter

RF Exposure Evaluation

RF Exposure Compliance Requirement

Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
$$f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz}$$

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

EUT RF Exposure

1) For BLE

Measurement Data

Worst case: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-1.99	-2.0±1	-1.0	0.794
Middle(2440MHz)	-0.92	-1.0±1	0	1.000
Highest(2480MHz)	-1.83	-2.0±1	-1.0	0.794

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	0.794	0.246	3.0
Middle (2440MHz)	1.000	0.312	
Highest (2480MHz)	0.794	0.250	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260501091E-01