FCC TEST REPORT

FCC ID: 2AG7C-SPEED25-6132

Product	:	Smart Camera
Model Name	:	Speed 25T
Brand	:	N/A
Report No.	:	PTC25030418203E-FC04

Prepared for

Hangzhou Meari Technology Co., Ltd.

Building 4,Huiding Intelligent Innovation Center,No. 825,Ruquan Road,Changhe Street,Binjiang District,Hangzhou,Zhejiang,China

Prepared by

Precise Testing & Certification Co., Ltd.

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China.

TEST RESULT CERTIFICATION

Applicant's name	:	Hangzhou Meari Technology Co., Ltd.
Address	:	Building 4,Huiding Intelligent Innovation Center,No. 825,Ruquan Road,Changhe Street,Binjiang District,Hangzhou,Zhejiang,China
Manufacture's name	:	Hangzhou Meari Technology Co., Ltd.
Address	:	4F of Building 1 and 2-4F of Building 2, No. 91 Chutian Road, Xixing Street, Binjiang District, Hangzhou,Zhejiang,China
Product name	:	Smart Camera
Model name	:	Speed 25T
Test procedure	:	FCC CFR47 Part 1.1307(b)(1)
Test Date	:	Mar. 11, 2025 to Mar. 20, 2025
Date of Issue	:	Mar. 20, 2025
Test Result	:	PASS

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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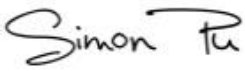
Test Engineer:

Jack zhou / Engineer

Technical Manager:



Simon Pu / Manager

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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	part 2.1091.(i)	PASS
Remark:		
N/A: Not Applicable		

3 General Information

3.1 General Description of E.U.T.

Product Name	:	Smart Camera
Model Name	:	Speed 25T
Additional model	:	Speed 25S, Speed 25Q, Speed 25F, Speed 25TE, Speed 25QE, Speed 23S, Speed 23T, Speed 23TE, Speed 23Q, Speed 23F, Speed 17T, Speed 17S, Speed 17Q, Speed 17F, S1, S1 Plus, X7207
Differences Description	:	Only the model name is different.
Specification	:	BT 4.2 BDR+EDR+BLE 802.11b/g/n HT20/HT40 802.11a/n HT20/HT40/ac20/ac40
Operation Frequency	:	2400-2480MHz for BT 2412-2462MHz for 802.11b/g/ n(HT20) 2422-2452MHz for 802.11 n(HT40) 5G Wifi:5180-5240 MHz 5.8G Wifi:5745MHz~5825MHz
Number of Channel	:	79 channels for BDR+EDR 40 channels For DTS 11 channels for 802.11b/g/ n(HT20) 7 channels for 802.11n(HT40) 4 channels for 802.11a/n20 5180-5240 MHz 5 channels for 802.11a/n20 5745MHz~5825MHz 2 channels for 802.11n40 5180-5250 MHz 2 channels for 802.11n40 5745MHz~5825MHz
Type of Modulation	:	GFSK, For DTS DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11n/a/ac
Antenna installation	:	FPC antenna
Antenna Gain	:	2.4G:1.46 dBi;5.2G:-0.62dBi; 5.8G:1.69 dBi
Rated Power Supply	:	Adapter1:DCT07W050100US-C1 Input:100-240V~50/60Hz 250mA Output:5V⎓ 1.0A Adapter2:TPA-46B050100UU Input:100-240V~50/60Hz 0.2A Output:5V⎓ 1000mA
Hardware Version	:	SPEED17S-T21MB-CV6-REV1_0
Software Version	:	N/A

4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	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

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

4.3 MPE Calculation Method

E (V/m) = $\frac{\sqrt{30 \times P \times G}}{d}$ Power Density: Pd (W/m²) = $\frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

Pd = $\frac{30 \times P \times G}{377 \times d^2}$ θφ

Antenna Gain (numeric)=10^(Antenna Gain/10)

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Test Mode	Test Frequency(MHz)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
BLE_1M	2440	1.399587	9.75	9.75±1	9.440609	0.00262	1	Pass
11B	2437	1.399587	19.19	19.19±1	82.98508	0.02311	1	Pass
11A	5240	0.866962	17.90	17.90±1	77.62471	0.01339	1	Pass
11N20	5785	1.475707	15.74	15.79±1	37.93150	0.01114	1	Pass

Note: Sharing a single antenna, there is no simultaneous transmission situation.

******THE END REPORT******