



**BUREAU
VERITAS**

Test Report No.: FS130805N037

RF EXPOSURE REPORT

| | |
|-----------|--|
| Applicant | KYE SYSTEMS CORP. |
| Address | No. 492, Sec 5, Chongxin Rd., Sanchong Dist., New Taipei City 24160, Taiwan (R.O.C.) |

| | |
|-------------------------------------|--|
| Manufacturer or Supplier | KYE SYSTEMS CORP. |
| Address | No. 492, Sec 5, Chongxin Rd., Sanchong Dist., New Taipei City 24160, Taiwan (R.O.C.) |
| Product | SmartCam 220 |
| Brand Name | Genius |
| Model | GS-130007 |
| Additional Model & Model Difference | N/A |
| Date of tests | Aug. 05 ~ Sep. 05, 2013 |

- FCC Part 2 (Section 2.1091)
- FCC OET Bulletin 65, Supplement C (01-01)
- IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

| | |
|---|---|
| Tested by Venless long Project Engineer / EMC Department | Approved by Glyn He Supervisor / EMC Department |
|  |  Date: Sep. 05, 2013 |

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**Bureau Veritas Shenzhen Co., Ltd.
Dongguan Branch**

No. 34, Chenwulu Section, Guantai Rd., Houjie
Town, Dongguan City,
Guangdong 523942, China

Tel: +86 769 8593 5656
Fax: +86 769 8593 1080
Email: customerservice.dg@cn.bureauveritas.com



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RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|--------------|-------------------|---------------|
| FS130805N037 | Original release | Sep. 05, 2013 |

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No. 34, Chenwulu Section, Guantai Rd., Houjie
Town, Dongguan City,
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Test Report No.: FS130805N037

1. CERTIFICATION

PRODUCT: SmartCam 220
BRAND NAME: Genius
MODEL NO.: GS-130007
TEST SAMPLE: Normal Sample
APPLICANT: KYE SYSTEMS CORP.
TESTED DATE: Sep. 05, 2013
STANDARDS: FCC Part 2 (Section 2.1091)
FCC OET Bulletin 65, Supplement C (01-01)
IEEE C95.1



2. RF EXPOSURE LIMIT

LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

| FREQUENCY RANGE (MHz) | ELECTRIC FIELD STRENGTH (V/m) | MAGNETIC FIELD STRENGTH (A/m) | POWER DENSITY (mW/cm ²) | AVERAGE TIME (minutes) |
|--|-------------------------------|-------------------------------|-------------------------------------|------------------------|
| LIMITS FOR GENERAL POPULATION / UNCONTROLLED EXPOSURE | | | | |
| 300-1500 | ... | ... | F/1500 | 30 |
| 1500-100,000 | ... | ... | 1.0 | 30 |

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$$Pd = (Pout * G) / (4 * pi * r^2)$$

where

Pd = power density in mW/cm²

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

4. CLASSIFICATION

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

| Transmitter Circuit | Peak Gain (dBi) | Antenna Type |
|---------------------|-----------------|--------------|
| Chain 0 | 2.0 | wire |



6. CALCULATION RESULT OF MAXIMUM CONDUCTED POWER

| FREQUENCY BAND (MHz) | MAX POWER (mW) | ANTENNA GAIN (dBi) | DISTANCE (cm) | POWER DENSITY (mW/cm ²) | LIMIT (mW/cm ²) |
|----------------------|----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| 2412-2462 | 64.57 | 2.0 | 20 | 0.02 | 1.00 |

Conclusion

Therefore device complies with FCC's RF radiation exposure limits for general population in mobile exposure category (distance > 20cm)

--- END ---