



FCC RF Exposure

Report No.: FCS202309079

EUT Description: Camera

ModelNo.:SK017

Series Model: GN/GNC/MI/MIC-CW065/CW265-199/101/199W/101W,

GN/GNC/MI/MIC-CW078/CW278-199/101/199W/101W,

GN/GNC/MI/MIC-CW080/CW280-199/101/199W/101W,

GN/GNC/MI/MIC-CW081/CW281-199/101/199W/101W,

GN/GNC/MI/MIC-CW082/CW282-199/101/199W/101W,

GN/GNC/MI/MIC-CW083/CW283-199/101/199W/101W,

GN/GNC/MI/MIC-CW084/CW284-199/101/199W/101W.

GN/GNC/MI/MIC-CW085/CW285-199/101/199W/101W,

GN/GNC/MI/MIC-CW086/CW286-199/101/199W/101W,

GN/GNC/MI/MIC-CW087/CW287-199/101/199W/101W,

GN/GNC/MI/MIC-CW089/CW289-199/101/199W/101W,

GN/GNC/MI/MIC-CW091/CW291-199/101/199W/101W.

SK019, SK020, SK022, SK075, SK076, SK077, SK078, SK079 ,SK080, SK081, SK082, SK083,

SK084

FCC ID: 2BE8B-SK017

Equipment type: Mobile Device equipment

Test procedures according to the technical standards: KDB 447498 D01 V06 and FCC 2.1091.

1. Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm ²) | Averaging time (minutes) |
|--------------------------|-------------------------------------|----------------------------------|--|--------------------------|
| 10 | (A) Limit | ts for Occupational/Controlled E | xposures | 1 |
| 0.3-3.0 | 614 | 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 fo | r General Population/Uncontroll | led Exposure | |
| 0.3-1.34 | 614 1.63 *(100) | | *(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 |



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F = frequency in MHz

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,

 π = 3.14;

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

Pd id the limit of MPE, 1 mW/cm2. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

3. Test Result of RF Exposure Evaluation

| Modulation | Channel Freq. (MHz) | Conduct ed power (dBm) | Max tune-up power (mW) | Antenna Gain (dBi) | Antenna gain numeric | Evaluation result (mW/cm2) | Power density Limits (mW/cm2) |
|------------|---------------------------|------------------------------|---------------------------------|--------------------------|-------------------------|----------------------------------|-------------------------------|
| 802.11b | 2412 | 13.84 | 24.21 | 3.47 | 2.22 | 0.01069789 | 1 |
| | 2437 | 12.28 | 16.90 | 3.47 | 2.22 | 0.007467755 | 1 |
| | 2462 | 12.97 | 19.81 | 3.47 | 2.22 | 0.008753623 | 1 |
| 802.11g | 2412 | 11.07 | 12.79 | 3.47 | 2.22 | 0.005651632 | 1 |
| | 2437 | 10.41 | 10.99 | 3.47 | 2.22 | 0.00485625 | 1 |
| | 2462 | 11.35 | 13.64 | 3.47 | 2.22 | 0.006027229 | 1 |
| 802.11n | 2412 | 10.08 | 10.19 | 3.47 | 2.22 | 0.004502747 | 1 |
| | 2437 | 10.38 | 9.14 | 3.47 | 2.22 | 0.004038774 | 1 |
| | 2462 | 10.36 | 10.86 | 3.47 | 2.22 | 0.004798806 | 1 |

Wifi: Conclusion: the max result : 0.01069789≤ 1.0 compliance with FCC's RF Exposure.

Conclusion: No SAR is required