

FCC RF Exposure

EUT Description: RISU Tablet

Model No.: For_your_enhancement_01

FCC ID: 2AZO2-ENHANCEMENT01

1. Limits

According to KDB 447498 D01 General RF Exposure Guidance v06 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:

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

Where:

Result= $P/D^2 \cdot \sqrt{F}$

F= the RF channel transmit frequency in GHz

P=Maximum turn - up power in mw

D=Min. test separation distance in mm

2. Test Result of RF Exposure Evaluation

Frequency (MHz)	Output power (dBm)	Tune Up Power (dBm)	Max Tune Up power dBm/mW	Min test separation distance mm	Result	Limit (mW/cm ²)	SAR Test Exclusion
EDR:2480	-2.398	-2 ± 1	-1/0.79	5	0.248	3.0	Pass
2.4GWIFI: 2412	8.35	8.5 ± 1	9.5/8.91	5	2.768	3.0	Pass
5.2GWIFI: 5180	6.82	6.9 ± 1	7.9/6.17	5	2.809	3.0	Pass
5.8GWIFI: 5775	6.47	6 ± 1	7/5.01	5	2.408	3.0	Pass
Note: PK Output power= conducted power. Conducted power see the test report HK2104020957-1E/2E/3E/4E , antenna gain=2.5dBi(BT/2.4G WIFI),2.9dBi(5.2GWIFI/5.8GWIFI)							

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine RF Exposure test exclusion. The test exclusion threshold is 2.809 which is ≤ 3 , RF Exposure testing is not required.

Note: Exclusion Thresholds Results= $[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$

separation distance, mm)] $\cdot [\sqrt{f_{\text{(GHz)}}}]$

$f_{\text{(GHz)}}$ is the RF channel transmit frequency in GHz

Distance=5mm