

## Test Result of RF Exposure Evaluation

According to the KDB-447498 D01 V06, FCC 47CFR § 2.1091 the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Friis transmission formula:  $P_d = (P_{out} * G) / (4 * \pi * r^2)$

Where

$P_d$  = power density in mW/cm<sup>2</sup>,  $P_{out}$  = 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.

### WIFI 5GHz

| Frequency (MHz) | Output Power (dBm) | Target power W/ tolerance (dBm) | Max tune up power tolerance (dBm) | Output power to antenna (mW) | Antenna Gain(dBi) | Power Density at R=20cm (mW/cm <sup>2</sup> ) | Limit (mW/cm <sup>2</sup> ) | Result |
|-----------------|--------------------|---------------------------------|-----------------------------------|------------------------------|-------------------|-----------------------------------------------|-----------------------------|--------|
| 5732            | 9.65               | 8.7 ±1.0                        | 9.7                               | 9.333                        | 3.4               | 0.006313                                      | 1                           | Pass   |
| 5785            | 8.68               | 7.7 ±1.0                        | 8.7                               | 7.413                        | 3.4               | 0.005014                                      | 1                           | Pass   |
| 5814            | 8.54               | 7.6 ±1.0                        | 8.6                               | 7.244                        | 3.4               | 0.004900                                      | 1                           | Pass   |

### Conclusion:

So no SAR is required.