

## RF EXPOSURE EVALUATION

### 1. PRODUCT INFORMATION

Product Description	PCSGOB10 MTA-A
Model Name	PCSGOB10 MTA-Series
FCC ID	2ABFV-MTK10

### 2. EVALUATION METHOD

According to 447498 D01 General RF Exposure Guidance v05

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  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  $\leq 7.5$  for 10-g extremity SAR.

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

Power and distance are rounded to the nearest mW and mm before calculation

### 3. CALCULATION

According to the follow transmitter output power (  $P_t$  ) formula :

According to the report AGC02010160301FE05,

$P_t=9.37\text{dBm}=8.65\text{mW}$

The result for RF exposure evaluation

$\text{SAR} = (8.65\text{mW} / 5\text{mm}) \cdot [\sqrt{2.462(\text{GHz})}] = 2.72 < 3.0$  for 1-g SAR

Note: For RF exposure evaluation, the Maximum power at WIFI mode is the worst case.

### 4. CONCLUSION

The SAR evaluation is not required.