

# FCC ID : 2BECM-DXPCT1T1

## ➤ Test Standards and Limits

### 1. According to KDB 447498 D01 v06, Section 4.3.1

### 2. FCC Radiofrequency radiation exposure limits:

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:

$[(\text{max power of channel})/(\text{min test separation distance})] * [\sqrt{f(\text{GHz})}] \leq 3.0$  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
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds

The test exclusions are applicable only when the minimum test separation distance is  $\leq$  50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $<$  5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

## ➤ Measurement and Calculation

### 1. Maximum transmit power

2.4G SRD, Antenna Gain: 3.3 dBi

Operation Mode	Channel Number	Channel Frequency (MHz)	EIRP (dBm)	Result calculation	1-g SAR
2.4G SRD	01	2401	3.93	0.766	3
	20	2440	3.42	0.687	3
	40	2478	1.56	0.451	3

\* EIRP[dBm] = E[dB $\mu$ V/m] + 20 log(d[meters]) - 104.77

### 2. MPE Calculation

For the max result :  $0.766 \leq 3.0$  for 1-g SAR extremity SAR, No SAR is required.

-End of the Report-