

: LeadBook T9 Pro

LeadBook T1、LeadBook T1 Pro、LeadBook T1 Plus、

LeadBook TX、LeadBook TX Pro、

LeadBook TX Plus(X from 0-99,A-Z or blank

: 2A9IT-T9

## 1 RF EXPOSURE COMPLIANCE REQUIREMENT

## 1.1 STANDARD REQUIREMENT

According to KDB447498D01 General RF Exposure Guidance v06

## Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

## 1.2 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:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$$

$$[\sqrt{f}(\text{GHz})] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

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

Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion

The product is used at a distance of 5 mm from the human body.

### 1.3 EUT RF EXPOSURE

Operational Mode: EDR (GFSK worst case)						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2402 MHZ	-9.837	-9±1	-8	0.158	0.049	3.0
2441 MHz	-9.048	-9±1	-8	0.158	0.050	
2480 MHz	-10.662	-10±1	-9	0.126	0.039	

Conclusion: the calculated value  $\leq 3.0$ , SAR is exempted.

Operational Mode: BLE （GFSK worst case）						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2402 MHZ	-9.783	-9±1	-8	0.158	0.049	3.0
2440 MHz	-8.928	-8±1	-7	0.200	0.062	
2480 MHz	-10.551	-10±1	-9	0.126	0.039	
Conclusion: the calculated value ≦3.0, SAR is exempted.						

Operational Mode: 802.11b						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold
			(dBm)	(mW)		
2412 MHZ	7.88	7±1	8	6.310	1.053	3.0
2437 MHz	8.25	8±1	9	7.943	2.493	
2462 MHz	8.80	8±1	9	7.943	2.493	
Conclusion: the calculated value ≤3.0, SAR is exempted.						

#### EUT RF Exposure Evaluation simultaneous transmission operations

According to 865664D02 2.2 d) 1):

The sum of the ratios of the spatially averaged results to the applicable frequency dependent MPE limits :

Simultaneous transmission mode	The sum of the ratios	SUM	Limit
EDR+BLE+2.4G WIFI	0.050+0.062+2.493	2.605	3.0
conclusion : 2.605 < 3.0, So there is no sar requirement			