



## RF Exposure Evaluation

### FCC ID: 2BMVR-C30

#### 1. Client Information

Applicant	:	Shenzhen Tuohai Times Technology Co., Ltd.
Address	:	Room 401, Building B, Xinghui Technology Park, Gushu 2nd Road, Guxing Community, Xixiang Street, Bao'an District, Shenzhen, China
Manufacturer	:	Shenzhen Tuohai Times Technology Co., Ltd.
Address	:	Room 401, Building B, Xinghui Technology Park, Gushu 2nd Road, Guxing Community, Xixiang Street, Bao'an District, Shenzhen, China

#### 2. General Description of EUT

EUT Name	:	Tablet
Model(s) No.	:	C30, C20, C20E, K12D, K12E, K11D, K11, A30T, C5, E5, A5, T30, T5, E50
Model Difference	:	All these models are identical in the same PCB, layout and electrical circuit, the only difference is appearance color and model name.
Product Description	:	Operation Frequency: Bluetooth V5.0: 2402MHz~2480MHz 802.11b/g/n(HT20): 2412MHz~2462MHz 802.11n(HT40): 2422MHz~2452MHz U-NII-1: 5180MHz~5240MHz U-NII-3: 5745MHz~5825MHz
	:	Antenna Gain: 1.74dBi FPC Antenna for BT&2.4G WIFI 1.72dBi FPC Antenna for U-NII-1 1.85dBi FPC Antenna for U-NII-3
Power Supply	:	Input: DC 9V/2A DC 3.8V 6000mAh 22.8Wh Rechargeable Li-ion battery
Software Version	:	C3PRO-PD-T606.ROW-SW4-20240814
Hardware Version	:	W30-T606-V1.0-240529-Q

#### Remark:

- (1) The antenna gain provided by the applicant, the verified for the RF conduction test provided by TOBY test lab.
- (2) For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.
- (3) The above antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.
- (4) More test information about the EUT please refer the RF Test Report.



## SAR Test Exclusion Calculations

1. FCC: According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

- (1) Clause 4.3: General SAR test reduction and exclusion guidance

- Sub clause 4.31: Standalone SAR test exclusion considerations

- 1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance  $\leq 5$  mm are determined by:

- $$\frac{[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 3.0 \text{ for 1-g SAR}$$

- $$\frac{[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})] \cdot [\sqrt{f_{\text{(GHz)}}}] \leq 7.5.0 \text{ for 10-g SAR}$$





## 2. Calculation:

Test separation: 5mm

Worst MPE Result								
Test Mode	Antenna	Frequency (MHz)	Conducted Power (dBm)	Turn-up Power Tolerance (dB)	Max power of tune up tolerance (dBm)	Max power of tune up tolerance (mw)	Calculation Value	Threshold Value
BT	Ant1	2441	5.999	5±1	6	3.981	1.244	3.0
BLE	Ant1	2440	2.50	2±1	3	1.995	0.623	3.0
2.4G b	Ant1	2462	6.56	6±1	7	5.012	1.573	3.0
2.4G g	Ant1	2462	6.60	6±1	7	5.012	1.573	3.0
2.4G n20	Ant1	2462	6.43	6±1	7	5.012	1.573	3.0
2.4G n40	Ant1	2437	6.58	6±1	7	5.012	1.565	3.0
5G a	Ant1	5240	6.68	6±1	7	5.012	2.295	3.0
5G n20	Ant1	5745	6.72	6±1	7	5.012	2.403	3.0
5G n40	Ant1	5230	7.11	7±1	8	6.31	2.886	3.0
5G ac20	Ant1	5240	6.33	6±1	7	5.012	2.295	3.0
5G ac40	Ant1	5230	6.83	6±1	7	5.012	2.292	3.0
5G ac80	Ant1	5210	6.81	6±1	7	5.012	2.288	3.0

The measurement results comply with the FCC Limit per 47 CFR 2.1093 for the uncontrolled RF Exposure and SAR Exclusion Threshold per KDB 447498 v06.

-----END OF THE REPORT-----

