

Shenzhen Toby Technology Co., Ltd.



Report No.: TBR-C-202405-0231-8

Page: 1 of 4

Maximum Permissible Exposure Evaluation

FCC ID: 2BE3V-P12

1. General Information about EUT

1.1 Client Information

Applicant		Shenzhen Peicheng Technology Co.,Ltd		
Address: 5th Floor, Building 64, Baotian Industrial Zone, Chentian Community, Xixiang Street, Baoan District, Shenzhen City,		5th Floor, Building 64, Baotian Industrial Zone, Chentian Community, Xixiang Street,Baoan District, Shenzhen City, China		
Manufacturer):	Shenzhen Peicheng Technology Co.,Ltd		
Address	ress : 5th Floor, Building 64, Baotian Industrial Zone, Chentian Community, Xixiang Street,Baoan District, Shenzhen City, Chin			

1.2 General Description of EUT (Equipment Under Test)

EUT Name	1	Tablet PC				
Models No.	:	P12				
Model Different		N/A				
Brand Name						
Sample ID	ß.	HC-C-202406-0231-02-01				
Product		Operation Frequency:	Bluetooth&BLE: 2402MHz~2480MHz 2.4G WIIF:2412~2462MHz			
Description	1	Antenna Gain:	2.0dBi PIFA Antenna			
Power Rating	:	USB Input: DC 5 V-2A DC 3.8V 8000mAh Rechargeable Li-ion battery				
Software Version		P12_V1.0_20240527				
Hardware Version		T30-T616-V2.0-230812-GU				
	1					

Remark: 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.

TB-RF-074-1.0

Report No.: TBR-C-202405-0231-8

Page: 2 of 4

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≤5 mm are determined by:

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

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

2. Summary simultaneous transmission for SAR Exclusion

The SAR exemption limits outlined in clause 4.3.2(b) of KDB 447498 have been derived based on an approximate SAR value of 0.4 W/kg using half-wave dipole antennas Footnote 1. As such, when simultaneous transmitter SAR evaluations include transmitters that have been exempt from routine SAR evaluation, the SAR must be estimating based on the ratio between the maximum tune-up tolerance limit of the transmitter that has been exempt and the exemption limit at the specific distance and frequency for that transmitter. This ratio must be multiplied by 0.4 W/kg (2.0 W/kg for controlled use and 1.0 W/kg for limb worn devices) in order to calculate the estimated SAR level.

The estimate SAR value is calculated based the following equation:

(maximum power level including tune-up tolerance for transmitter A / maximum power level of exemption at the same frequency and distance) * 0.4W/kg

- 1) [(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)]·[$\sqrt{f_{(GHz)}/x}$] W/kg, for test separation distances \leq 50 mm; where x = 7.5 for 1-g SAR and x = 18.75 for 10-g SAR.
- 2) 0.4 W/kg for 1-g SAR and 1.0 W/kg for 10-g SAR, when the *test separation distance* is > 50 mm.³⁷

The [\sum of (the highest measured or estimated SAR for each standalone antenna configuration, adjusted for maximum tune-up tolerance) / 1.6 W/kg] + [\sum of MPE ratios] is \leq 1.0.

The SAR to peak location separation ratios of all simultaneously transmitting antenna pairs operating in portable device exposure conditions are all ≤ 0.04 , and the [\sum of MPE ratios] is ≤ 1.0 .





Report No.: TBR-C-202405-0231-8 Page: 3 of 4

3. Calculation:

Test separation	on: 5mm					
1 600		В	luetooth Mode (GFSK		1 62	
Frequency (GHz)	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
2402	1.308	2±1	3	1.995	0.618	3.0
2441	2.148	2±1	3	1.995	0.628	3.0
2480	1.818	2±1	3	1.995	0.638	3.0
	MUS	Blue	tooth Mode (π/4-DQP	SK)	601	DE
Frequency (GHz)	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
2402	0.769	1±1	2	1.585	0.491	3.0
2441	1.719	1±1	2	1.585	0.495	3.0
2480	0.71	1±1	2	1.585	0.499	3.0
MAGE		Bli	uetooth Mode (8-DPS	()	MADE	
Frequency (GHz)	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
2402	1.913	2±1	3	1.995	0.618	3.0
2441	2.988	2±1	3	1.995	0.628	3.0
2480	2.157	2±1	3	1.995	0.638	3.0
		MIDE	BLM 1M			35
Frequency (GHz)	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
2402	0.196	0±1	1	1.259	0.390	3.0
2440	1.282	1±1	2	1.585	0.495	3.0
2480	0.577	0±1	1	1.259	0.397	3.0
CHILD?			BLM 2M	TAB T		
Frequency (GHz)	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
2402	-0.296	0±1	1	1.259	0.390	3.0
2440	0.889	0±1	1	1.259	0.393	3.0
2480	0.568	0±1	1	1.259	0.397	3.0





Report No.: TBR-C-202405-0231-8 Page: 4 of 4

			802.11 B			
Frequency (GHz)	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
2412	8.41	8±1	9	7.943	2.462	3.0
2437	7.94	8±1	9	7.943	2.482	3.0
2462	7.61	8±1	9	7.943	2.502	3.0
MA			802.11 G		W	
Frequency (GHz)	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
2412	8.33	8±1	9	7.943	2.462	3.0
2437	7.76	8±1	9	7.943	2.482	3.0
2462	7.4	8±1	9	7.943	2.502	3.0
		41100	802.11 N20			
Frequency (GHz)	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
2412	7.85	8±1	9	7.943	2.462	3.0
2437	7.31	8±1	9	7.943	2.482	3.0
2462	7.41	8±1	9	7.943	2.502	3.0
1100			802.11 N40		1105	
Frequency (GHz)	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
2412	8.3	8±1	9	7.943	2.462	3.0
2437	8.44	8±1	9	7.943	2.482	3.0
2452	7.76	8±1	9	7.943	2.502	3.0

Conclusion:

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 REPORT----

