#### FCC ID: 2AAWC-798TPC

#### Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 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 ≤ 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] \*  $[\sqrt{f(GHz)}] \le 3.0$  for 1-g SAR and  $\le 7.5$  for 10-g extremity SAR, where

f(GHz) is the RF channel transmit frequency in GHz;

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

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. We use 5mm as separation distance to calculate.

# Maximum measured transmitter power: WIFI:

Test Channel	Frequency (MHz)	Power Setting	Duty Cycle Factor (dB)	Average Output Power (dBm)	Maximum Output Power(dBm)	LIMIT (dBm)	Verdict		
	802.11b								
1	2412	Default	0	9.13	9.13	30	PASS		
6	2437	Default	0	9.17	9.17	30	PASS		
11	2462	Default	0	9.12	9.12	30	PASS		
		802.11g							
1	2412	Default	0	8.31	8.31	30	PASS		
6	2437	Default	0	8.28	8.28	30	PASS		
11	2462	Default	0	8.27	8.27	30	PASS		
		802.11n HT20							
1	2412	Default	0	7.42	7.42	30	PASS		
6	2437	Default	0	7.35	7.35	30	PASS		
11	2462	Default	0	7.03	7.03	30	PASS		
	802.11n HT40								
3	2422	Default	0	6.52	6.52	30	PASS		
6	2437	Default	0	6.63	6.63	30	PASS		
9	2452	Default	0	6.45	6.45	30	PASS		

#### EDR:

Test Channel	Frequenc y	Power Setting	Peak Output Power	LIMIT	Verdict				
	(MHz)		(dBm)	(dBm)					
	1Mbps								
0	2402	Default	2.621	30	PASS				
39	2441	Default	2.476	30	PASS				
78	2480	Default	2.4	30	PASS				
0	2402	Default	1.976	20.97	PASS				
39	2441	Default	2.027	20.97	PASS				
78	2480	Default	1.97	20.97	PASS				
		3Mb	os						
0	2402	Default	2.753	20.97	PASS				
39	2441	Default	2.235	20.97	PASS				
78	2480	Default	2.22	20.97	PASS				

### BLE:

Test Channel	Frequency (MHz)	Power Setting	Peak Output Power (dBm)	LIMIT (dBm)	Verdict		
1Mbps							
00	2402	Default	-5.095	30	PASS		
19	2440	Default	-4.827	30	PASS		
39	2480	Default	-4.909	30	PASS		

# Measurement Result

## WiFi:

Modulation	Channel Freq. (GHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Result calculation	1g SAR
	2.412	9.13	8.18	9±0.5	9.50	8.91	2.76834	3.00
802.11b	2.442	9.17	8.26	9±0.5	9.50	8.91	2.78550	3.00
	2.462	9.12	8.17	9±0.5	9.50	8.91	2.79688	3.00
	2.412	8.31	6.78	8±1	9.00	7.94	2.46728	3.00
802.11g	2.442	8.28	6.73	8±1	9.00	7.94	2.48258	3.00
	2.462	8.27	6.71	8±1	9.00	7.94	2.49272	3.00
802.11n(20 - MHz) -	2.412	7.42	5.52	7±1	8.00	6.31	1.95983	3.00
	2.442	7.35	5.43	7±1	8.00	6.31	1.97198	3.00
	2.462	7.03	5.05	7±1	8.00	6.31	1.98004	3.00
802.11n(40 MHz)	2.422	6.52	4.49	6±1	7.00	5.01	1.55997	3.00
	2.442	6.63	4.60	6±1	7.00	5.01	1.56640	3.00
1411 12)	2.452	6.45	4.42	6±1	7.00	5.01	1.56960	3.00

## EDR:

Modulation	Channel Freq. (MHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Result calculation	1g SAR
	2.402	2.621	1.83	2±1	3.00	2.00	0.61847	3.00
GFSK	2.441	2.476	1.77	2±1	3.00	2.00	0.62296	3.00
	2.480	2.4	1.74	2±1	3.00	2.00	0.62843	3.00
	2.402	1.976	1.58	2±1	3.00	2.00	0.61847	3.00
π/4-DQPSK	2.441	2.027	1.59	2±1	3.00	2.00	0.62347	3.00
	2.480	1.97	1.57	2±1	3.00	2.00	0.62843	3.00
8DPSK	2.402	2.753	1.88	2±1	3.00	2.00	0.61847	3.00
	2.441	2.235	1.67	2±1	3.00	2.00	0.62347	3.00
	2.480	2.22	1.67	2±1	3.00	2.00	0.62843	3.00

## BLE:

Modulation	Channel Freq. (MHz)	Conducted power (dBm)	Conducted power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Result calculation	1g SAR
	2.402	-5.095	0.31	-4±1	-3.00	0.50	0.15535	3.00
GFSK	2.44	-4.827	0.33	-4±1	-3.00	0.50	0.15648	3.00
	2.480	-4.909	0.32	-4±1	-3.00	0.50	0.15785	3.00

Conclusion:

For the max result: 2.79688≤ 3.0 for 1-g SAR, No SAR is required.

Signature: Date: 2016-12-01

NAME AND TITLE (Please print or type): Jason Chen /Manager

**COMPANY** (Please print or type): Shenzhen NTEK Testing Technology Co., Ltd./ 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street Bao'an District, Shenzhen P.R. China.