



MPE ESTIMATION

**Test report
On Behalf of
Components Specialties, Inc.
For
Components Specialties, Inc.
For
WiFi audio Streamer
Model No.: AS1**

FCC ID: 2AS9J-SPECOAS1

Prepared for : Components Specialties, Inc.
200 New Highway, Amityville, NY 11701-0726

Prepared By : Shenzhen HUAK Testing Technology Co., Ltd.
1F, B2 Building, Junfeng Zhongcheng Zhizao Innovation Park, Fuhai Street,
Bao'an District, Shenzhen City, China

Date of Test: Jun. 17, 2019 ~ Jun. 25, 2019

Date of Report: Jun. 26, 2019

Report Number: HK1906111292-2E

**1, Limit for General Population/ Uncontrolled Exposures**

Frequency	Power density (mW/ cm ²)	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Note: F= Frequency in MHz

2, Estimation Result**2.4G WIFI**

Mode	Max PK Output power(dBm)	Tune Up Power(dBm)	Max Tune Up power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm ²)
11b	13.23	13±1(14)	25.12	3	1.995	0.00997
11g	12.56	12±1(13)	19.95	3	1.995	0.00792
11n/HT20	11.65	11±1(12)	15.85	3	1.995	0.00629
11n/HT40	11.01	11±1(12)	15.85	3	1.995	0.00629
$Pd = \frac{Pout * G}{4\pi r^2} ;$						
Note:						
Note: The estimation distance is 20cm						
Note:						
PK Output power= conducted power.						
Conducted power see the test report HK1906111292-1E, antenna gain=3dBi						

when the minimum test separation distance is >20 cm, a distance of 20 cm is applied to determine SAR test exclusion. The test exclusion threshold is 0.00997mW/cm² which is < 1.0mW/cm², SAR testing is not required.

-----The End-----