

MPE ESTIMATION

Product Name: DIRECT VINA BOX

Model: A301

FCC ID: 2AGUQ-A301

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 |

| Frequency(MHz) | Power density (mW/ cm ²) | Averaging time(minutes) |
|----------------|--------------------------------------|-------------------------|
| 2412 | 1 | 30 |
| 2437 | 1 | 30 |
| 2462 | 1 | 30 |

Note: F= Frequency in MHz

Estimation Result: Pass

| | | |
|-----------------------|-------------------------|-------------------------|
| EUT : DIRECT VINA BOX | | |
| M/N : A301 | | |
| Test date: 2016-01-29 | Pressure: 101.2±1.0 kpa | Humidity: 52.8±3.0% |
| Tested by: Leo_Li | Test site: RF site | Temperature:23.6±0.6 °C |

| Test Mode | CH | Frequency (MHz) | Peak Output Power (dBm) | Output Power (mW) | Antenna Gain (dBi) | Antenna Gain (Linear) | MPE |
|-----------|------|-------------------|-------------------------|-------------------|--------------------|-----------------------|--------|
| 11b | CH1 | 2412 | 8.87 | 7.71 | 2 | 1.58 | 0.0024 |
| | CH6 | 2437 | 8.52 | 7.11 | 2 | 1.58 | 0.0022 |
| | CH11 | 2462 | 8.24 | 6.67 | 2 | 1.58 | 0.0021 |
| 11g | CH1 | 2412 | 14.79 | 30.13 | 2 | 1.58 | 0.0095 |
| | CH6 | 2437 | 15.18 | 32.96 | 2 | 1.58 | 0.0104 |
| | CH11 | 2462 | 15.39 | 34.59 | 2 | 1.58 | 0.0109 |
| 11n HT20 | CH1 | 2412 | 14.64 | 29.11 | 2 | 1.58 | 0.0092 |
| | CH6 | 2437 | 15.02 | 31.77 | 2 | 1.58 | 0.0100 |
| | CH11 | 2462 | 15.27 | 33.65 | 2 | 1.58 | 0.0106 |
| 11n HT40 | CH1 | 2422 | 14.25 | 26.61 | 2 | 1.58 | 0.0084 |
| | CH4 | 2437 | 14.62 | 28.97 | 2 | 1.58 | 0.0091 |
| | CH7 | 2452 | 14.84 | 30.48 | 2 | 1.58 | 0.0096 |

$$MPE = \frac{PG}{4\pi R^2} \quad (R=20 \text{ cm})$$

