



RF exposure report

For

KBX GROUP

2525 PONCE De Leon Blvd. Suite 300 Coral Gables, FL 333134,
Coral Gables, Florida, United States

FCC ID: 2AAPW-QD-705GR-TV

2014-03-23

This Report Concerns:	Equipment Type:
Original Report	MID
Test Engineer:	
Report No.:	TMC14032601
Receive EUT	2014-03-12 /
Date/Test Date:	2014-03-12 - 2014-03-23
Reviewed By:	
Prepared By:	Shenzhen WST Testing Technology Co., Ltd. 1F, No. 9 Building, TGK Science & Technology Park, Shenzhen Tel: 86-755-86642861 Fax: 86-755-86642996

FCC §15.247 (i) & §2.1093 – RF EXPOSURE

Applicable Standard

According to FCC §2.1093 and §1.1307(b) (1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB 447498 D01 General RF Exposure Guidance v05

According to 447498 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:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
$$f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz}$$

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

The result is rounded to one decimal place for comparison

Result

According to FCC KDB 447498 D01 General RF Exposure Guidance v05 generic portable criteria

Maximum measured transmitter power: 802.11b:

Conducted Power (dBm)	Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
8.41	6.93	0	6.93

Maximum measured transmitter power: 802.11g:

Conducted Power (dBm)	Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
8.31	6.78	0	6.78

Maximum measured transmitter power: 802.11n:

Conducted Power (dBm)	Conducted Power (mw)	Max Antenna Gain (dBi)	EIRP (mw)
7.79	6.01	0	6.01

Worse case is as below: [2462MHz 8.41dBm(6.93mW) output power]

$(6.93\text{mW} / 5\text{mm}) \cdot [\sqrt{2.462(\text{GHz})}] = 2.175 < 3.0$ for 1-g SAR

Then SAR evaluation is not required