

**RADIATED EMISSION TEST****FCC Parts 15.109(a) Radiated Emission Results**

Operating Mode	ITE	Temperature	23°C
Test Input Power	110V 60Hz	Relative Humidity	55%
Line Under Test	AC Mains	Atmospheric Pressure	1030mbar
		Tested By	Thor Wen Lei

Spurious Emissions ranging from 30MHz – 1GHz

Frequency (MHz)	Q-P Value (dB $\mu$ V/m)	Q-P Margin (dB)	Azimuth (Degrees)	Height (cm)	Polarisation (H/V)
47.9681	36.7	-3.3	213	101	V
59.9641	35.1	-4.9	126	101	V
83.9561	37.3	-2.7	167	268	V
103.9571	4.9	-2.6	244	101	V
405.7841	39.4	-6.7	83	100	H
797.7001	39.2	-6.8	67	100	H

Spurious Emissions above 1GHz

Frequency (GHz)	Peak Value (dB $\mu$ V/m)	Average Value (dB $\mu$ V/m) Note 2	Average Margin (dB) Note 3	Azimuth (Degrees)	Height (cm)	Pol (H/V)
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**Notes**

- All possible modes of operation were investigated. Only the worst case emissions measured, using the correct CISPR detectors, are reported. All other emissions were relatively insignificant.
- As the measured peak shows compliance to the average limit, as such no average measurement was required.
- The average margin indicates the margin of the measured peak value below the average limit.
- "--" indicates no emissions were found and shows compliance to the limits.
- Quasi-peak measurement was used for frequency measurement up to 1GHz. Average and peak measurements were used for emissions above 1GHz.
- A "-ve" margin indicates a PASS as it refers to the margin present below the limit line at the particular frequency.
- EMI receiver Resolution Bandwidth (RBW) and Video Bandwidth (VBW) settings:  
30MHz - 1GHz  
RBW: 120kHz      VBW: 1MHz  
>1GHz  
RBW: 1MHz      VBW: 1MHz
- The upper frequency of radiated emission investigations was according to requirements stated in Section 15.33(a) for intentional radiators & Section 15.33(b) for unintentional radiators.
- Radiated Emissions Measurement Uncertainty**  
All test measurements carried out are traceable to national standards. The uncertainty of the measurement at a confidence level of approximately 95%, with a coverage factor of 2, in the range 30MHz – 40GHz (QP only @ 3m & 10m) is  $\pm 4.3$ dB (for EUTs < 0.5m X 0.5m X 0.5m).