

1. MEASUREMENT OF THE CONDUCTED DISTURBANCES

Standard: FCC Part 15

Test procedure: Paragraph 15.207

Limits: Class B

Test equipment:

TYPE	BRAND	EMITECH NUMBER
Test receiver ESH3	Rohde & Schwarz	1058
Pulse limiter ESH3-Z2	Rohde & Schwarz	976
Artificial main network L3-25	PMM	834
Spectrum analyzer FSBS	Rohde & Schwarz	3133
Power source ALT 2000	K. SERRAS	2441

Software used: BAT-EMC V3.1.7.1

Test set up:

The test unit is placed on a wooden table, 0.8 m over an horizontal reference plane and 0.4 m from a vertical reference plane. It is powered by an artificial main network placed on the ground reference plane.

Equipment under test operating condition:

The equipment is powered with the AC power operating voltage of 115 V / 60 Hz.

Frequency range: 150 kHz - 30 MHz

Detection mode: Peak / Average

Bandwidth: 9 kHz

Results:

Measurement on the mains power supply:

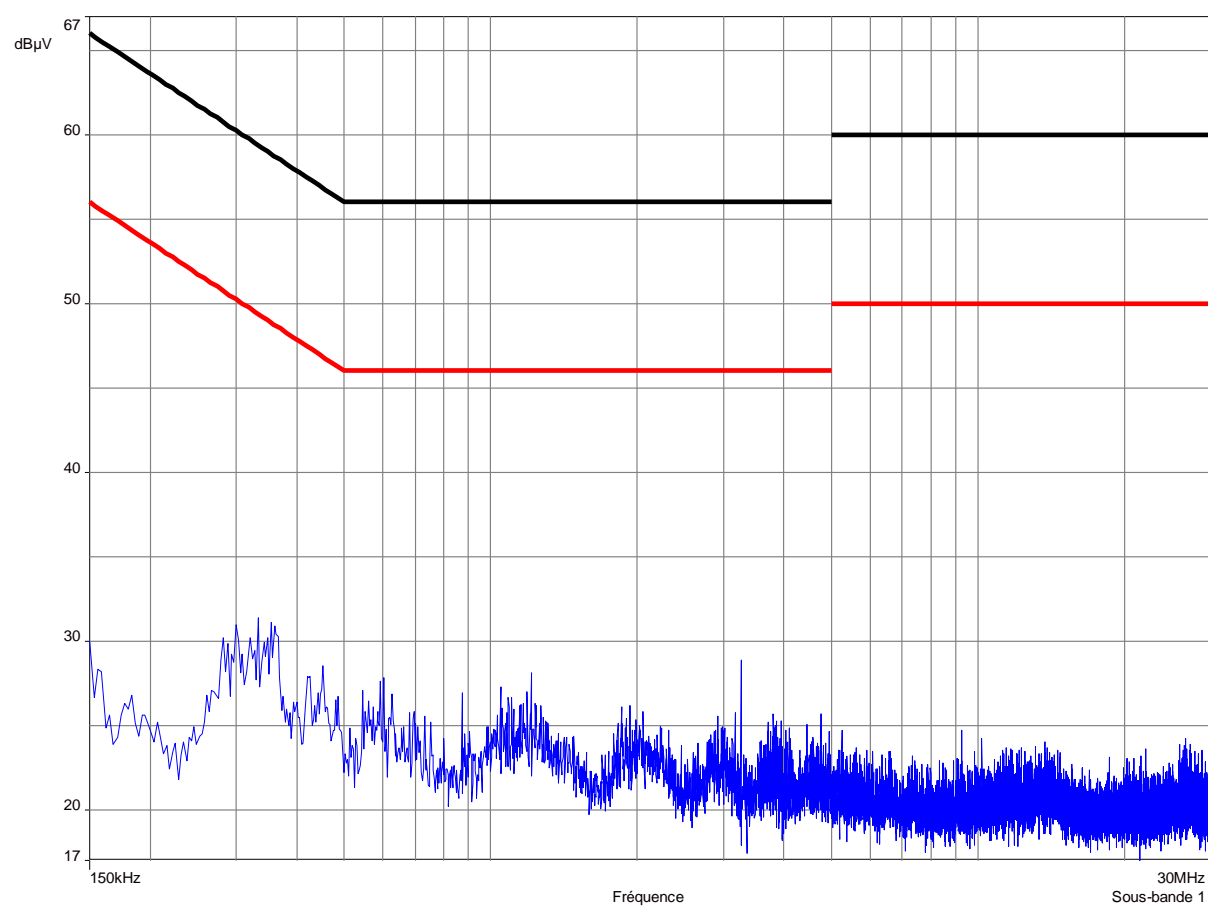
The measurement is made with peak detector.

Curve N° 1: measurement on the Neutral with peak detector

Curve N° 2: measurement on the Line with peak detector

The spectrum line which are less than 6 dB of the limit are analyzed with Quasi-Peak detector and average detector.

Curve N° 1: measurement on the neutral with peak detection

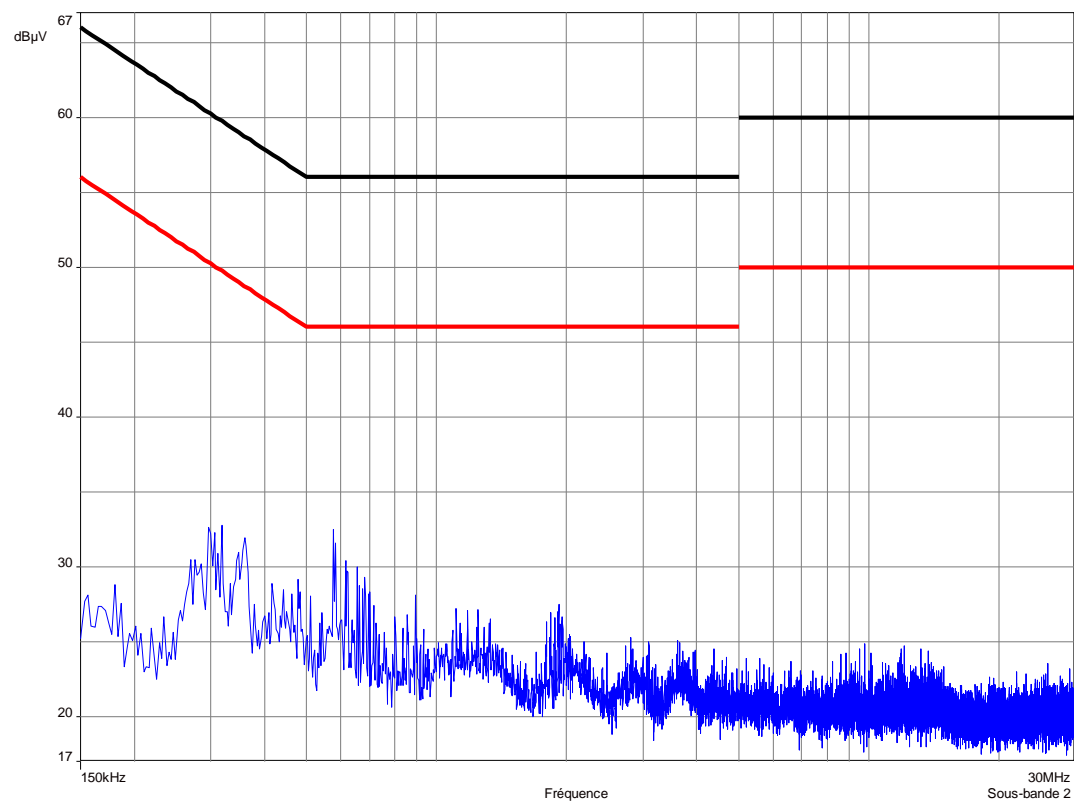


RBW filter: 10 kHz

VBW filter: 10 kHz

Sweep time: 500 ms/MHz

Curve N° 2: measurement on the line with peak detection



RBW filter: 10 kHz

VBW filter: 10 kHz

Sweep time: 500 ms/MHz



Test conclusion:

RESPECTED STANDARD