



HFE-LAN

EMI

DATA

APPD	CHK	DWG
20/12/17 	Arie G. 25/12/17	 25/12/17

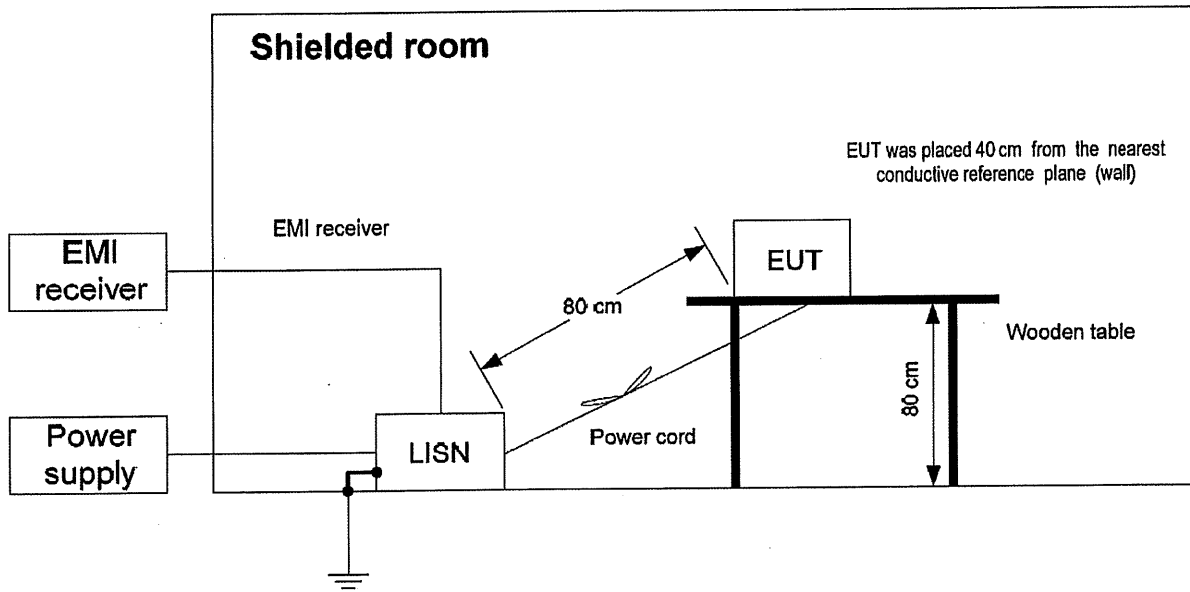
TDK-LAMBDA

INDEX	PAGE
1. TEST METHOD	R-1
2. TEST DATA	
2-1. Conducted emission	R-2
2-2. Radiated emission	R-3 ~ R-5

The above data is typical value data.
The values are considered to be actual capability data.

1. Test Method

(1) Conducted Emission

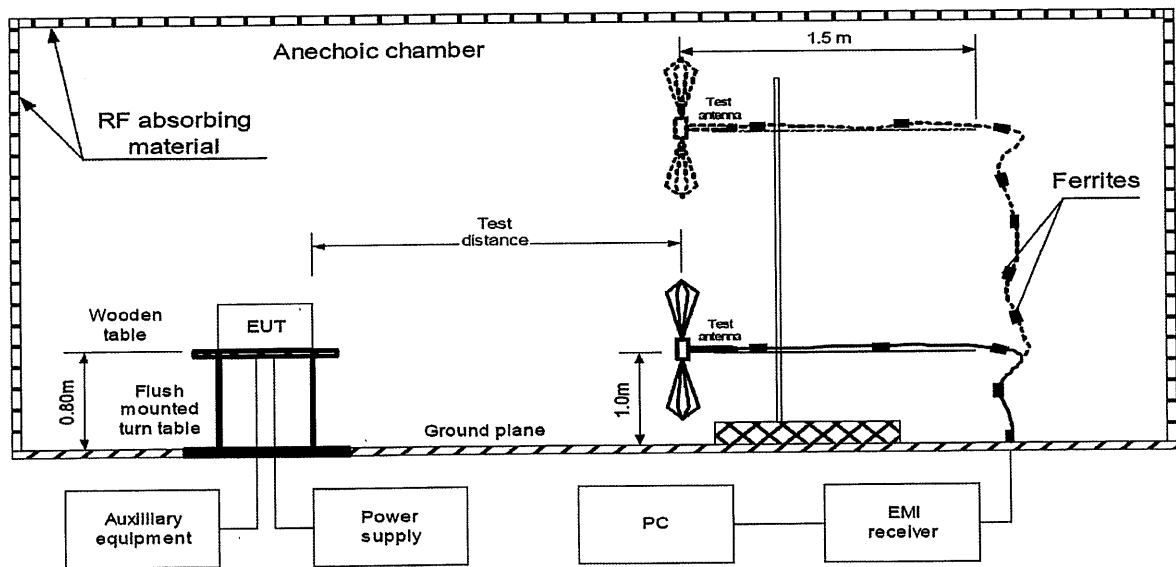


EMI TEST RECEIVER
LISN

ESPI
ENV4200

(ROHDE & SCHWARZ)
(ROHDE & SCHWARZ)

(2) Radiated Emission



SPECTRUM ANALYZER
EMI TEST RECEIVER
BICONICAL ANTENNA
LOG-PERIODIC ANTENNA

MS2601A
85462A
3110BA30/200
LP200000
LPA2530

(ANRITSU)
(HEWLETT. PACKARD)
(EMCO)
(ELECTROMETRIX)
(ELECTROMETRIX)

2. Test Data

2.1 Conducted Emission

MODEL: HFE2500-LAN with HFE2500-48/S

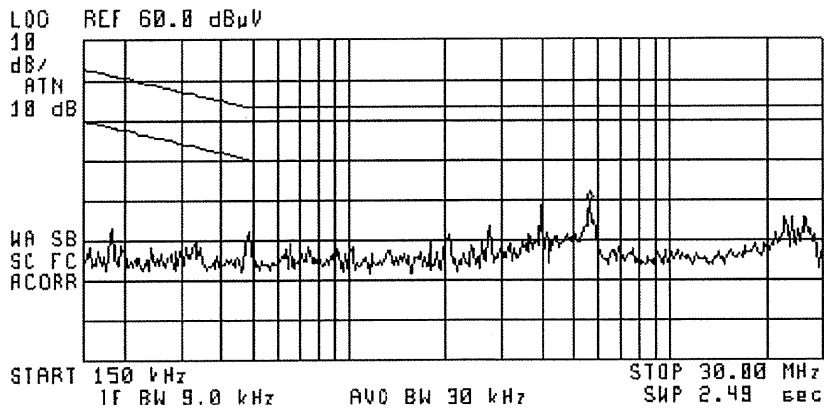
Conditions:

Input voltage: 230V AC
Output current: 52A
Output voltage: 48V
Ambient temperature: 25°C

LINE: LAN
LIMIT: QUASI-PEAK, AVERAGE
DETECTOR: PEAK



ACTV DET: PEAK
MERS DET: PEAK OP. AVG
NFR 5.67 MHz
18.99 dBμV



(2) Test results

Under the above test condition, emission level was below the limit line.

2.2 Radiated Emission

MODEL: HFE2500-LAN with HFE2500-48/S

EUT SET UP:

TEST SITE:

TEST DISTANCE:

DETECTORS USED:

FREQUENCY RANGE:

RESOLUTION BANDWIDTH:

TABLE-TOP

ANECHOIC CHAMBER

3 m

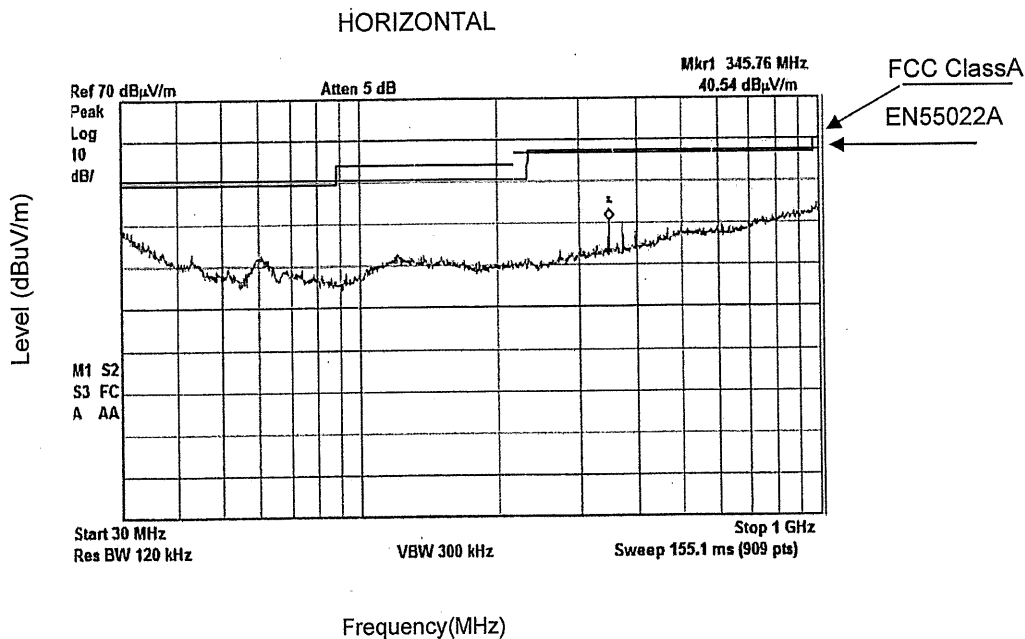
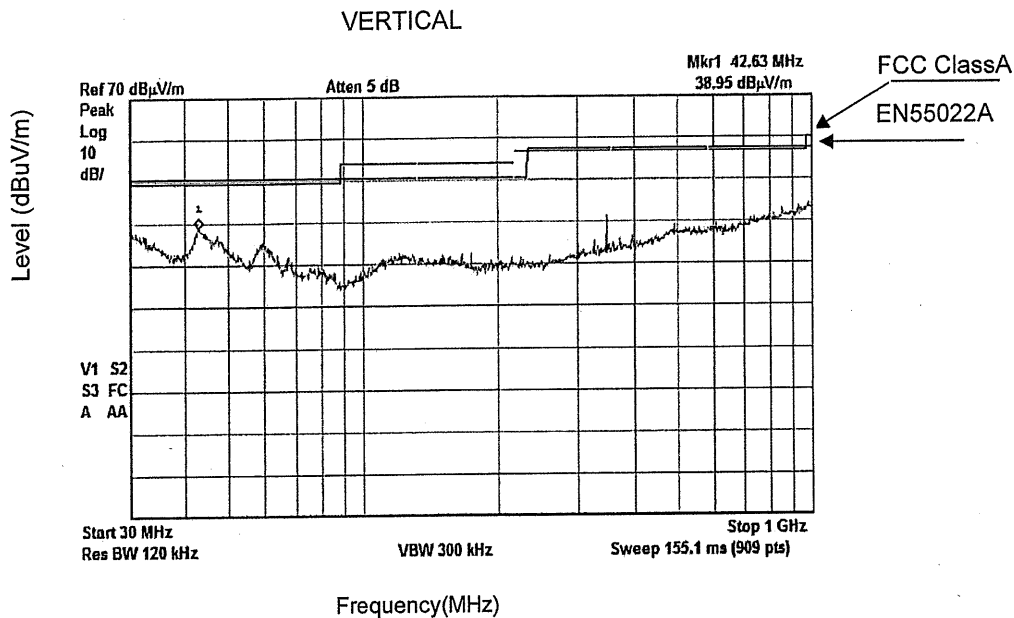
PEAK / QUASI-PEAK

30 MHz – 1000 MHz

120 kHz

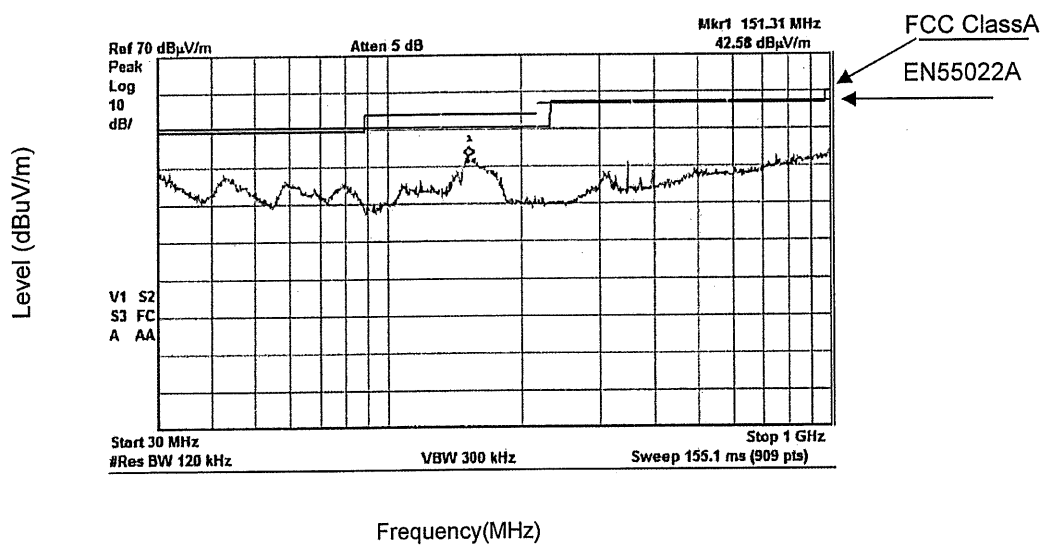
Frequency MHz	Peak emission, dB(μ V/m)	Quasi-peak			Antenna polarization	Antenna height, m	Turn-table position**, degrees	Verdict
		Measured emission, dB(μ V/m)	Limit, EN dB(μ V/m)	Margin, dB*				
HFE2500 LAN 230 V / 48V / 52A								Pass
43.8	39.2	35.2	50.5	-15.3	Vertical	1.2	320	
350	42.8	40.5	57.5	-17	Horizontal	1.2	284	
HFE2500 LAN 100 V / 48V / 31A								
151.3	42.6	39.3	50.5	-11.2	Vertical	1.2	284	
350	43.7	41.4	57.5	-16.1	Horizontal	1.2	312	

Conditions: Vin: 230Vac
 Vout: 48V
 Iout: 52A
 Ta: 25°C



Conditions: Vin: 100Vac
 Vout: 48V
 Iout: 31A
 Ta: 25°C

VERTICAL



HORIZONTAL

