

CETECOM ICT Services GmbH

Test report no.: 2_1848-A/99

Issue Date: 07.12.1999

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Equipment under test : RS 30

Ambient temperature : 23°C

Relative humidity : 46%

FIELD STRENGTH OF FUNDAMENTIAL

SUBCLAUSE § 15.249 a)

Polarisation of the measurements for the larger power level .: vertical

Measurement distance 3 m

TEST CONDITIONS		FIELD STRENGTH (mV/m)		
Frequency (MHz)		926.0	925.0	926.5
T _{nom} (23)°C	V _{nom} (120)V	48.6	47.48	46.94
Maximum deviation from output power under extreme test conditions (dBc)		0.1	0.1	0.1
Measurement uncertainty		±3dB		

LIMIT

SUBCLAUSE § 15.249 a)

For normal test conditions

Frequency range	Field strength of fundamental (mV/m)
902 - 928 MHz	50
2400 - 2483.5 MHz	50
5725 - 5875 MHz	50
24.0 - 24.25 GHz	250

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED

(for reference numbers see test equipment listing)

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RECEIVER SPURIOUS RADIATION

Radiated

Measurement distance see table

SUBCLAUSE § 15.209

Frequency (MHz)	Field strength (μV/m)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
above 960	500	3

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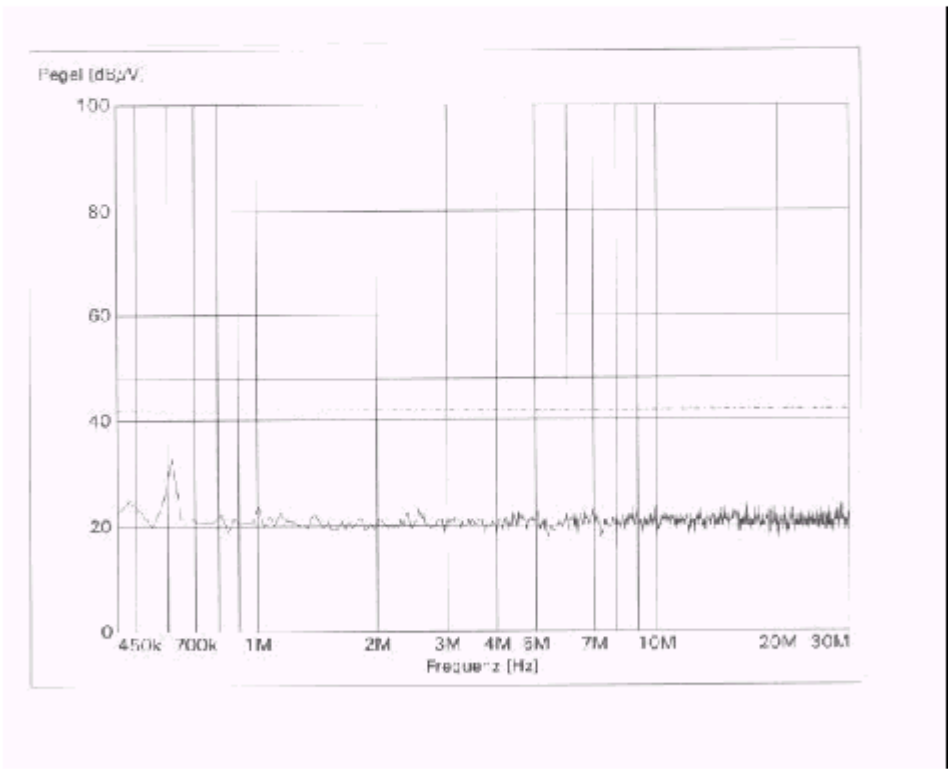
CONDUCTED EMISSIONS

§ 15.207

Technical specification : 15.207

Limit

0.45 to 30 MHz	250 µV / 47.96 dBµV
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FIELD STRENGTH OF HARMONICS

SUBCLAUSE § 15.249 a)

Polarisation of the measurements for the larger power level .: vertical
Measurement distance 3 m

FIELD STRENGTH OF HARMONICS								
926.0 MHz			925.0 MHz			926.5 MHz		
f (MHz)	Detector	Level (µV/m)	f (MHz)	Detector	Level (µV/m)	f (MHz)	Detector	Level (µV/m)
1852.0	Peak	398.1	1850.0	Peak	386.5	1853.0	Peak	384.5
3704.0	Peak	354.8	3700.0	Peak	355.1	3706.0	Peak	351.2
Measurement uncertainty			± 3dB					

LIMIT

SUBCLAUSE § 15.249 a)

Fundamental frequency	Field strength of harmonics (µV/m)
902 - 928 MHz	500
2400 - 2483.5 MHz	500
5725 - 5875 MHz	500
24.0 - 24.25 GHz	2500

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TEST REPORT REFERENCE

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