

# CETECOM ICT Services GmbH

Test report no.: 2\_1848-A/99

Issue Date: 07.12.1999

Page 9 (1)

Equipment under test : RS 30

Ambient temperature : 23°C

Relative humidity : 46%

## FIELD STRENGTH OF FUNDAMENTAL

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 <sub>nom</sub> ( 23 )°C	V <sub>nom</sub> ( 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)

17 - 24



# CETECOM ICT Services GmbH

Test report no.: 2\_1848-A/99      Issue Date: 07.12.1999      Page 10 (1)

Equipment under test : T 30  
Ambient temperature : 23°C  
Relative humidity : 46 %

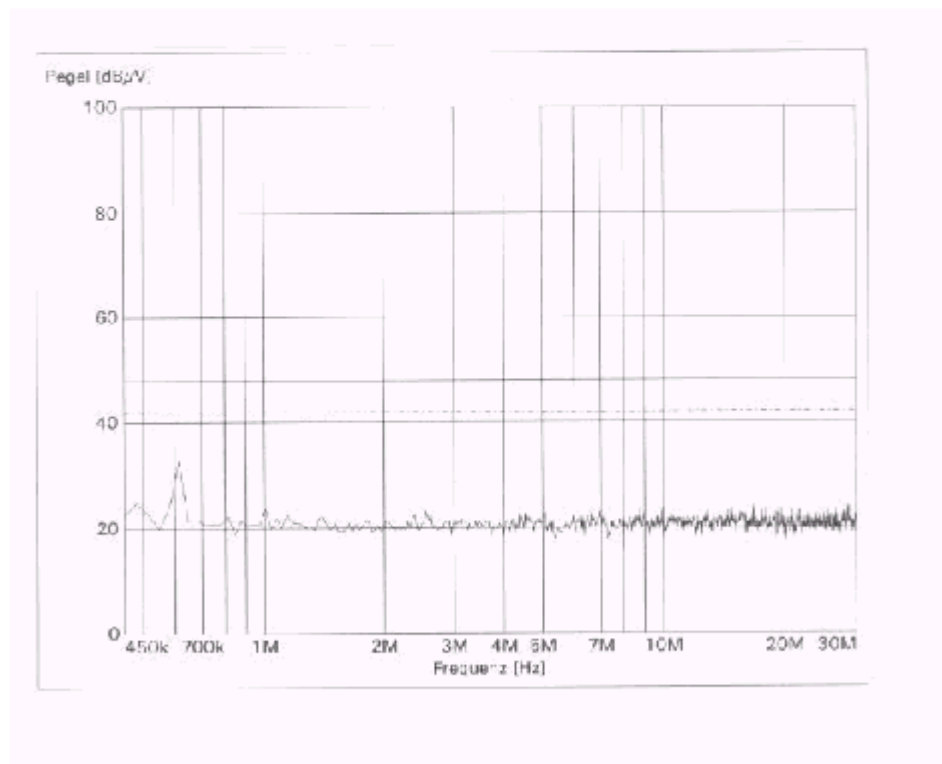
## CONDUCTED EMISSIONS

§ 15.207

Technical specification : 15.207

Limit

0.45 to 30 MHz	250 $\mu$ V / 47.96 dB $\mu$ V
----------------	--------------------------------



### REFERENCE NUMBER(S) OF TEST EQUIPMENT USED

(for reference numbers see test equipment listing)

51 - 63

**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

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED  
 (for reference numbers see test equipment listing)  
 17 - 24

## **CETECOM ICT Services GmbH**

---

Test report no.: 2\_1848-A/99      Issue Date: 07.12.1999      Page 4 (1)

---

### **TEST REPORT REFERENCE**

### **LIST OF MEASUREMENTS**

<b>SUBCLAUSE</b>	<b>PARAMETER TO BE MEASURED</b>	<b>PAGE</b>
	<b>Transmitter parameters</b>	
§ 15.249	Field strength of fundamental	7
§ 15.249	Field strength of harmonics	8
§ 15.209	Emissions radiated outside of the specified frequency bands	9
§ 15.207	Conducted limits	10
	<b>Receiver parameters</b>	
§ 15.209	Spurious radiations - Radiated	11
	<b>Test equipment listing</b>	
	<b>Photographs of the equipment</b>	
		12
		14