



CETECOM ICT Services GmbH

Radio Satellite Communication

Untertürkheimer Straße 6-10 . D-66117 Saarbrücken

Telefon: +49 (0)681 598-9100

Telefax: -9075

RSC11

issue test report consist of

42 Pages

Page 1 (42)

Accredited Testing Laboratory

DAR-Registration number:

TTI-P-G 166/98-20

Test report no.:2_2575-A/01

FCC 47 Part 74.802

SK5012

Table of Contents**1 General information****1.1 Notes****1.2 Testing laboratory****1.3 Details of applicant****1.4 Application details****1.5 Test item****1.6 Test standards****2 Technical test****2.1 Summary of test results****2.2 Test report****1 General information****1.1 Notes**

The test results of this test report relate exclusively to the test item specified in 1.5. The CETECOM ICT Services GmbH does not assume responsibility for any conclusions and generalisations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of the CETECOM ICT Services GmbH.

1.2 Testing laboratory

CETECOM ICT Services GmbH

66117 Saarbrücken

Untertürkheimer Straße 6 - 10

Deutschland

Telefone : + 49 681 598 - 9100

Telefax : + 49 681 598 - 9075

E-mail : Michael.Berg@ict.cetecom.de

Internet : www.cetecom.de

Accredited testing laboratory

DAR-registration number : TTI-P-G-166/98-20

1.3 Details of applicant

Name : **Sennheiser electronic GmbH & Co. KG**

Street : **Am Labor 1**

City : **D-30900 Wedemark**

Country : **Germany**

Telephone : **+49 51 30 600-0**

Telefax : **+49 51 30 600-300**

Contact : **Mr. Klaus Willemsen**

Telephone : **+49 51 30 600-542**

1.4 Application details

Date of receipt of application : 20.06.2000

Date of receipt of test item : 20.06.2000

Date of test : 21.-22.06.2000

1.5 Test item

Type of equipment : Wireless microphone

Type designation : SK 5012

Manufacturer : applicant

Street :

City :

Country :

Serial number :

Additional informations: :

Frequency : 450 - 960 MHz Modulation:180KF3E

Number of channels : 16

Antenna : Integral antenna

Power supply : 3V DC (2*1,5 V Battery)

Type of equipment : not applicable

Unmodulated carrier : not applicable

1.6 Test standards

CFR 47, Part 74 Subpart H

2 Technical test**2.1 Summary of test results**

No deviations from the technical specification(s) were ascertained in the course of the tests performed.

Final verdict : PASS

Technical responsibility for area of testing :

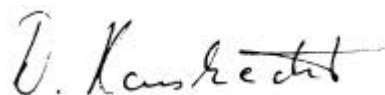
26.06.01 RSC8411 Berg M.



Date	Section	Name	Signature
------	---------	------	-----------

Technical responsibility for area of testing :

26.06.01 RSC8412 Hausknecht D.



Date	Section	Name	Signature
------	---------	------	-----------

2.2 Testreport**TEST REPORT****Testreport no.: 2_2575-A/01**

TEST REPORT REFERENCE

LIST OF MEASUREMENTS

PARAMETER TO BE MEASURED	PAGE
Transmitter parameters	
Effective radiated power - Maximum	7
Frequency stability	8 - 15
Temperature variation	8 - 15
Characteristic of the audio modulation circuitry	16
Occupied bandwidth	20
Spurious emissions	24
Test equipment listing	31
Photographs of the equipment	33

Equipment under test : SK 5012
Ambient temperature : 23° C
Relative humidity : 48%

EFFECTIVE RADIATED POWER

FCC Rule Part 74.861

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

TEST CONDITIONS		TRANSMITTER POWER (mW)				
		502.000	634.000	801.000	862.000	
Frequency (MHz)						
T _{nom} (23)° C	V _{nom} (3.0)V	15.14	16.22	14.79	17.38	
Maximum deviation from output power under extreme test conditions (dBc)		+1.18	+1.24	+1.38	+1.42	
Measurement uncertainty		±3dB				

LIMIT

FCC Rule Part 74.861

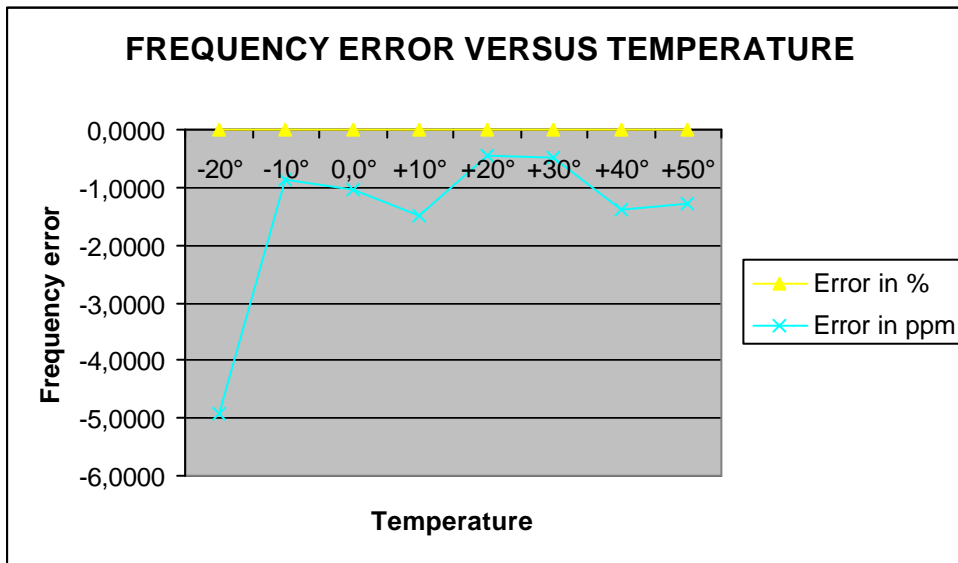
Frequency range MHz	Power level radiated mW
54-72, 76-88, 174-216	50
470-608, 614-806	250
450 – 451, 455 – 456, 944 - 952	

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

Equipment under test : SK 5012
Ambient temperature : 23° C
Relative humidity : 48%

Frequency error versus temperature

Temperature [° C]	Frequency error [Hz]	Frequency [MHz]	Error in %	Error in ppm
-20°	-2470	502	-0,0005	-4,9203
-10°	-430	502	-0,0001	-0,8566
0,0°	-530	502	-0,0001	-1,0558
+10°	-750	502	-0,0001	-1,4940
+20°	-230	502	0,0000	-0,4582
+30°	-240	502	0,0000	-0,4781
+40°	-690	502	-0,0001	-1,3745
+50°	-640	502	-0,0001	-1,2749



LIMIT

FCC Rule Part 74.861

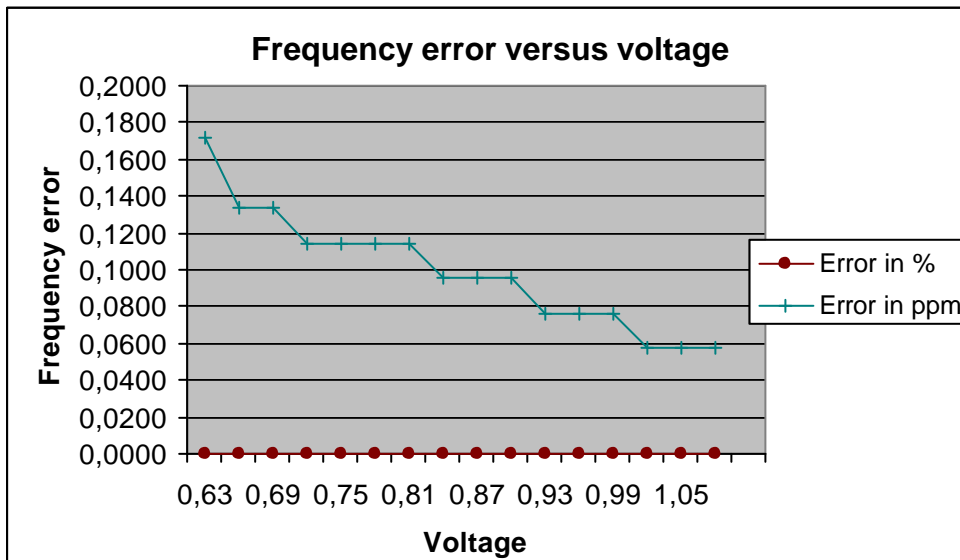
The frequency tolerance of the transmitter shall be 0.005 percent

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
01, 02, 05

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

Frequency error versus voltage variations

nom. Voltage	nom. Voltage	Voltage [V]	Frequency error [Hz]	Frequency [MHz]	Error in %	Error in ppm
0,63	3	1,89	90	524	0,0000	0,1718
0,66		1,98	70	524	0,0000	0,1336
0,69		2,07	70	524	0,0000	0,1336
0,72		2,16	60	524	0,0000	0,1145
0,75		2,25	60	524	0,0000	0,1145
0,78		2,34	60	524	0,0000	0,1145
0,81		2,43	60	524	0,0000	0,1145
0,84		2,52	50	524	0,0000	0,0954
0,87		2,61	50	524	0,0000	0,0954
0,90		2,70	50	524	0,0000	0,0954
0,93		2,79	40	524	0,0000	0,0763
0,96		2,88	40	524	0,0000	0,0763
0,99		2,97	40	524	0,0000	0,0763
1,02		3,06	30	524	0,0000	0,0573
1,05		3,15	30	524	0,0000	0,0573
1,10		3,30	30	524	0,0000	0,0573



LIMIT

FCC Rule Part 74.861

The frequency tolerance of the transmitter shall be 0.005 percent

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED

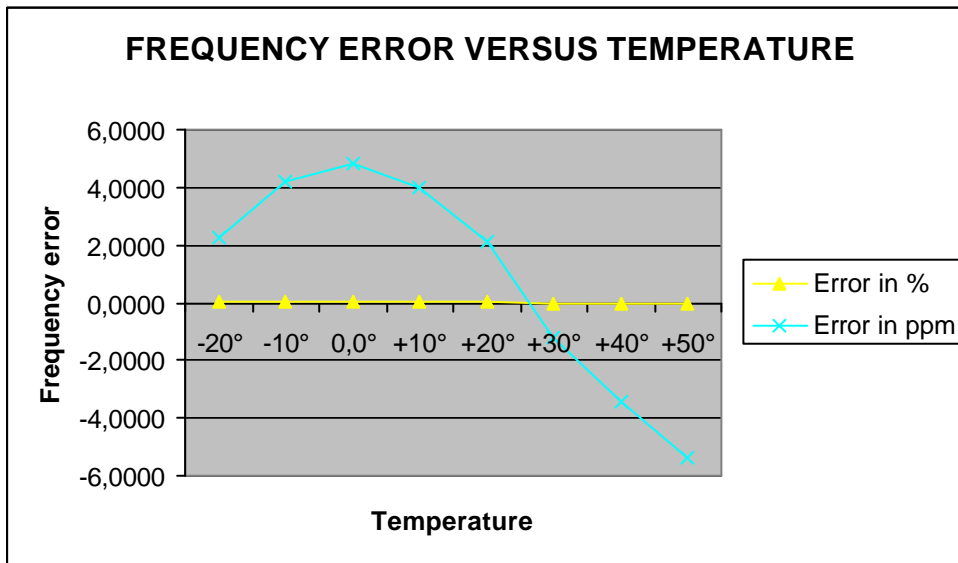
(for reference numbers see test equipment listing)

01, 02, 05

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

Frequency error versus temperature

Temperature [° C]	Frequency error [Hz]	Frequency [MHz]	Error in %	Error in ppm
-20°	1430	634	0,0002	2,2555
-10°	2660	634	0,0004	4,1956
0,0°	3060	634	0,0005	4,8265
+10°	2510	634	0,0004	3,9590
+20°	1330	634	0,0002	2,0978
+30°	-750	634	-0,0001	-1,1830
+40°	-2180	634	-0,0003	-3,4385
+50°	-3430	634	-0,0005	-5,4101



LIMIT

FCC Rule Part 74.861

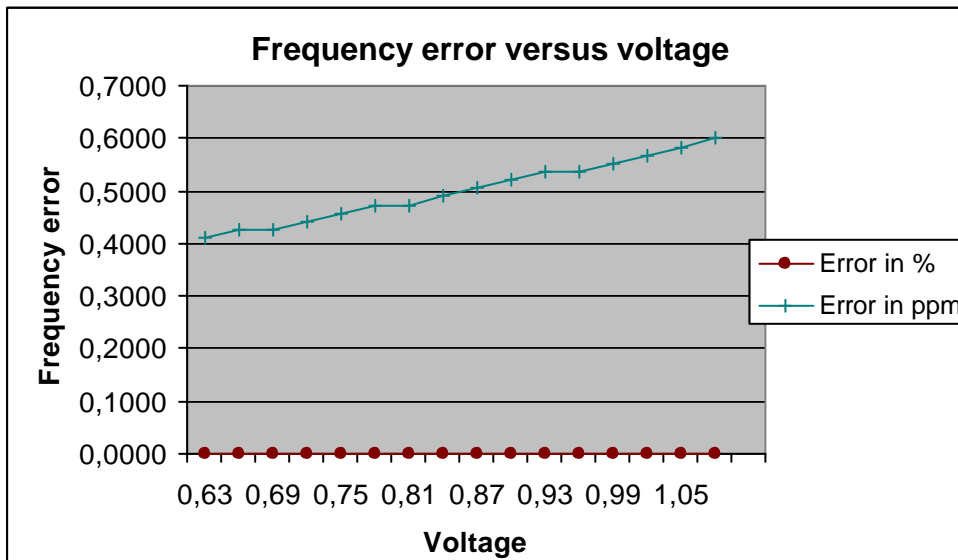
The frequency tolerance of the transmitter shall be 0.005 percent

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 01, 02, 05

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

Frequency error versus voltage variations

nom. Voltage	nom. Voltage	Voltage [V]	Frequency error [Hz]	Frequency [MHz]	Error in %	Error in ppm
0,63	3	1,89	260	634	0,0000	0,4101
0,66		1,98	270	634	0,0000	0,4259
0,69		2,07	270	634	0,0000	0,4259
0,72		2,16	280	634	0,0000	0,4416
0,75		2,25	290	634	0,0000	0,4574
0,78		2,34	300	634	0,0000	0,4732
0,81		2,43	300	634	0,0000	0,4732
0,84		2,52	310	634	0,0000	0,4890
0,87		2,61	320	634	0,0001	0,5047
0,90		2,70	330	634	0,0001	0,5205
0,93		2,79	340	634	0,0001	0,5363
0,96		2,88	340	634	0,0001	0,5363
0,99		2,97	350	634	0,0001	0,5521
1,02		3,06	360	634	0,0001	0,5678
1,05		3,15	370	634	0,0001	0,5836
1,10		3,30	380	634	0,0001	0,5994



LIMIT

FCC Rule Part 74.861

The frequency tolerance of the transmitter shall be 0.005 percent

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED

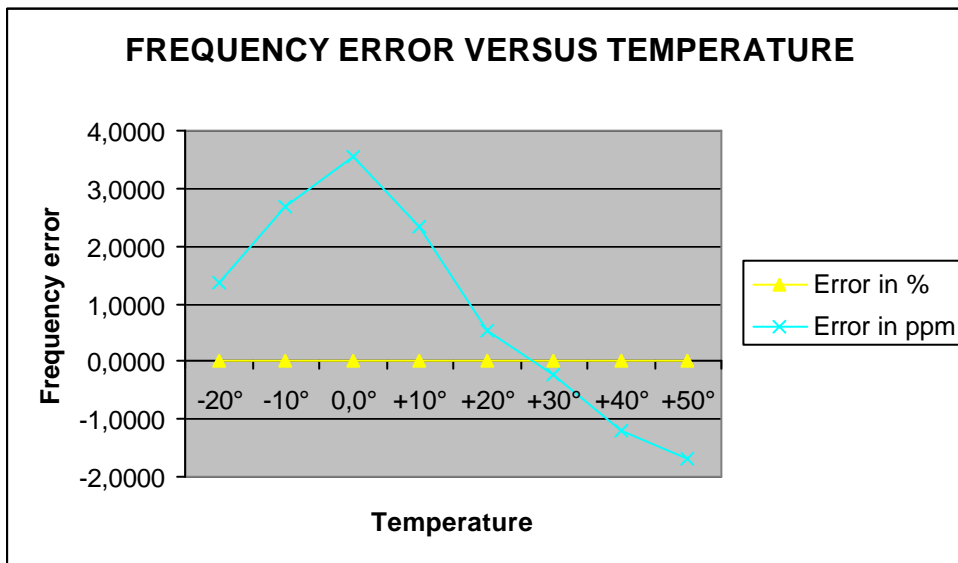
(for reference numbers see test equipment listing)

01 ; 02 ; 05

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

Frequency error versus temperature

Temperature [° C]	Frequency error [Hz]	Frequency [MHz]	Error in %	Error in ppm
-20°	1080	801	0,0001	1,3483
-10°	2150	801	0,0003	2,6841
0,0°	2840	801	0,0004	3,5456
+10°	1870	801	0,0002	2,3346
+20°	430	801	0,0001	0,5368
+30°	-180	801	0,0000	-0,2247
+40°	-970	801	-0,0001	-1,2110
+50°	-1360	801	-0,0002	-1,6979



LIMIT

FCC Rule Part 74.861

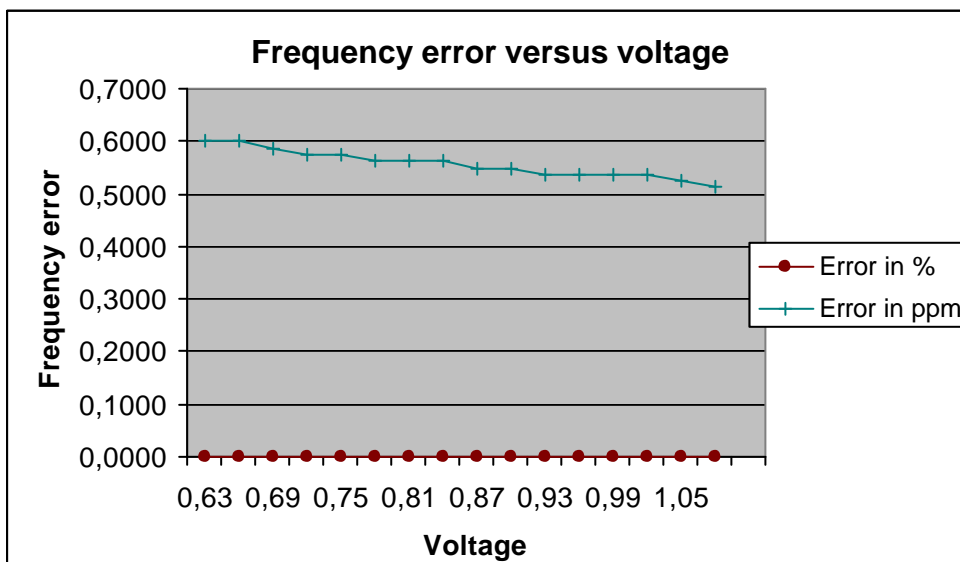
The frequency tolerance of the transmitter shall be 0.005 percent

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 01, 02, 05

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

Frequency error versus voltage variations

nom. Voltage	nom. Voltage	Voltage [V]	Frequency error [Hz]	Frequency [MHz]	Error in %	Error in ppm
0,63	3	1,89	480	801	0,0001	0,5993
0,66		1,98	480	801	0,0001	0,5993
0,69		2,07	470	801	0,0001	0,5868
0,72		2,16	460	801	0,0001	0,5743
0,75		2,25	460	801	0,0001	0,5743
0,78		2,34	450	801	0,0001	0,5618
0,81		2,43	450	801	0,0001	0,5618
0,84		2,52	450	801	0,0001	0,5618
0,87		2,61	440	801	0,0001	0,5493
0,90		2,70	440	801	0,0001	0,5493
0,93		2,79	430	801	0,0001	0,5368
0,96		2,88	430	801	0,0001	0,5368
0,99		2,97	430	801	0,0001	0,5368
1,02		3,06	430	801	0,0001	0,5368
1,05		3,15	420	801	0,0001	0,5243
1,10		3,30	410	801	0,0001	0,5119



LIMIT

FCC Rule Part 74.861

The frequency tolerance of the transmitter shall be 0.005 percent

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED

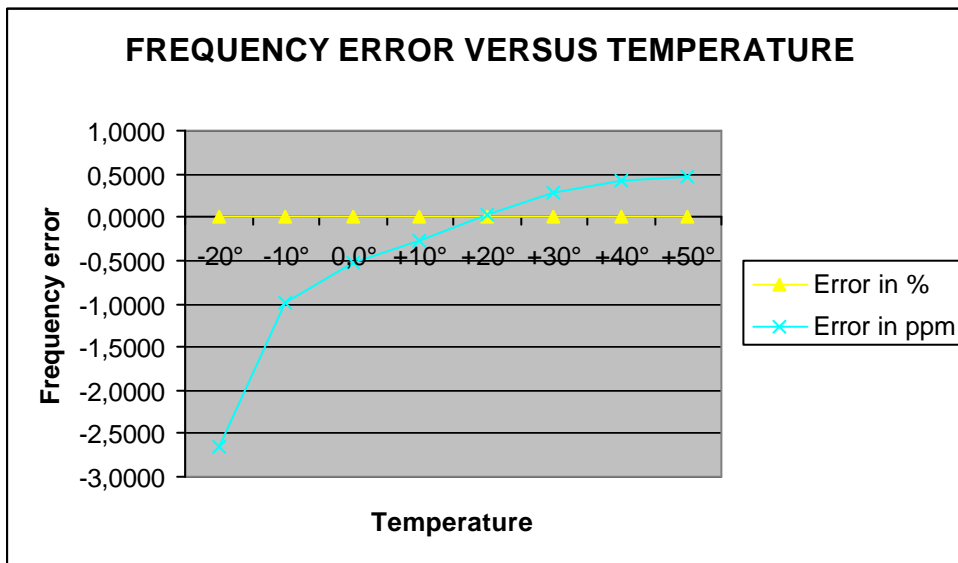
(for reference numbers see test equipment listing)

01 ; 02 ; 05

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

Frequency error versus temperature

Temperature [° C]	Frequency error [Hz]	Frequency [MHz]	Error in %	Error in ppm
-20°	-2280	862	-0,0003	-2,6450
-10°	-850	862	-0,0001	-0,9861
0,0°	-450	862	-0,0001	-0,5220
+10°	-230	862	0,0000	-0,2668
+20°	30	862	0,0000	0,0348
+30°	240	862	0,0000	0,2784
+40°	360	862	0,0000	0,4176
+50°	410	862	0,0000	0,4756



LIMIT

FCC Rule Part 74.861

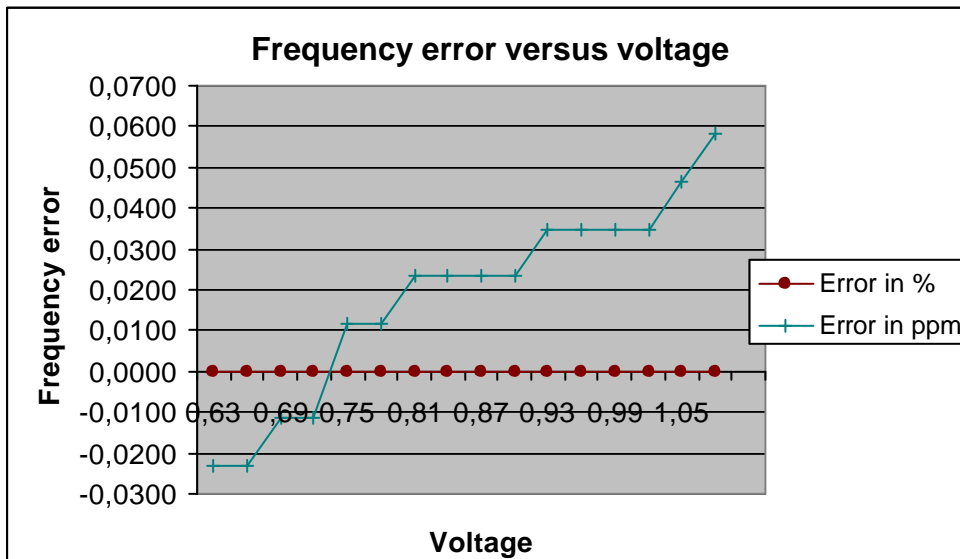
The frequency tolerance of the transmitter shall be 0.005 percent

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 01, 02, 05

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

Frequency error versus voltage variations

nom. Voltage	nom. Voltage	Voltage [V]	Frequency error [Hz]	Frequency [MHz]	Error in %	Error in ppm
0,63	3	1,89	-20	862	0,0000	-0,0232
0,66		1,98	-20	862	0,0000	-0,0232
0,69		2,07	-10	862	0,0000	-0,0116
0,72		2,16	-10	862	0,0000	-0,0116
0,75		2,25	10	862	0,0000	0,0116
0,78		2,34	10	862	0,0000	0,0116
0,81		2,43	20	862	0,0000	0,0232
0,84		2,52	20	862	0,0000	0,0232
0,87		2,61	20	862	0,0000	0,0232
0,90		2,70	20	862	0,0000	0,0232
0,93		2,79	30	862	0,0000	0,0348
0,96		2,88	30	862	0,0000	0,0348
0,99		2,97	30	862	0,0000	0,0348
1,02		3,06	30	862	0,0000	0,0348
1,05		3,15	40	862	0,0000	0,0464
1,10		3,30	50	862	0,0000	0,0580



LIMIT

FCC Rule Part 74.861

The frequency tolerance of the transmitter shall be 0.005 percent

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED

(for reference numbers see test equipment listing)

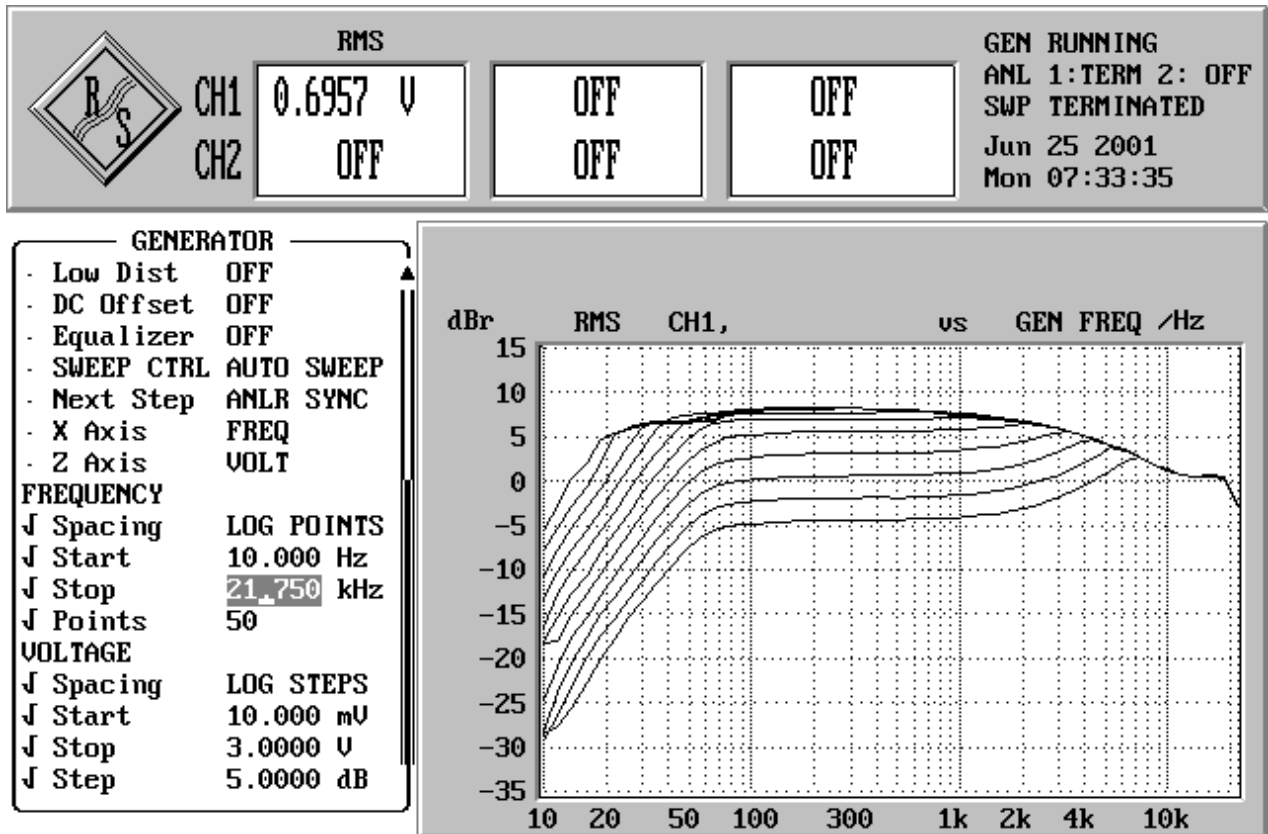
01 ; 02 ; 05

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

CHARACTERISTICS OF THE AUDIO MODULATION CIRCUITRY

FCC Rule Part 74 Sec. 2.987

Frequency: 502 MHz



REFERENCE NUMBER(S) OF TEST EQUIPMENT USED

(for reference numbers see test equipment listing)

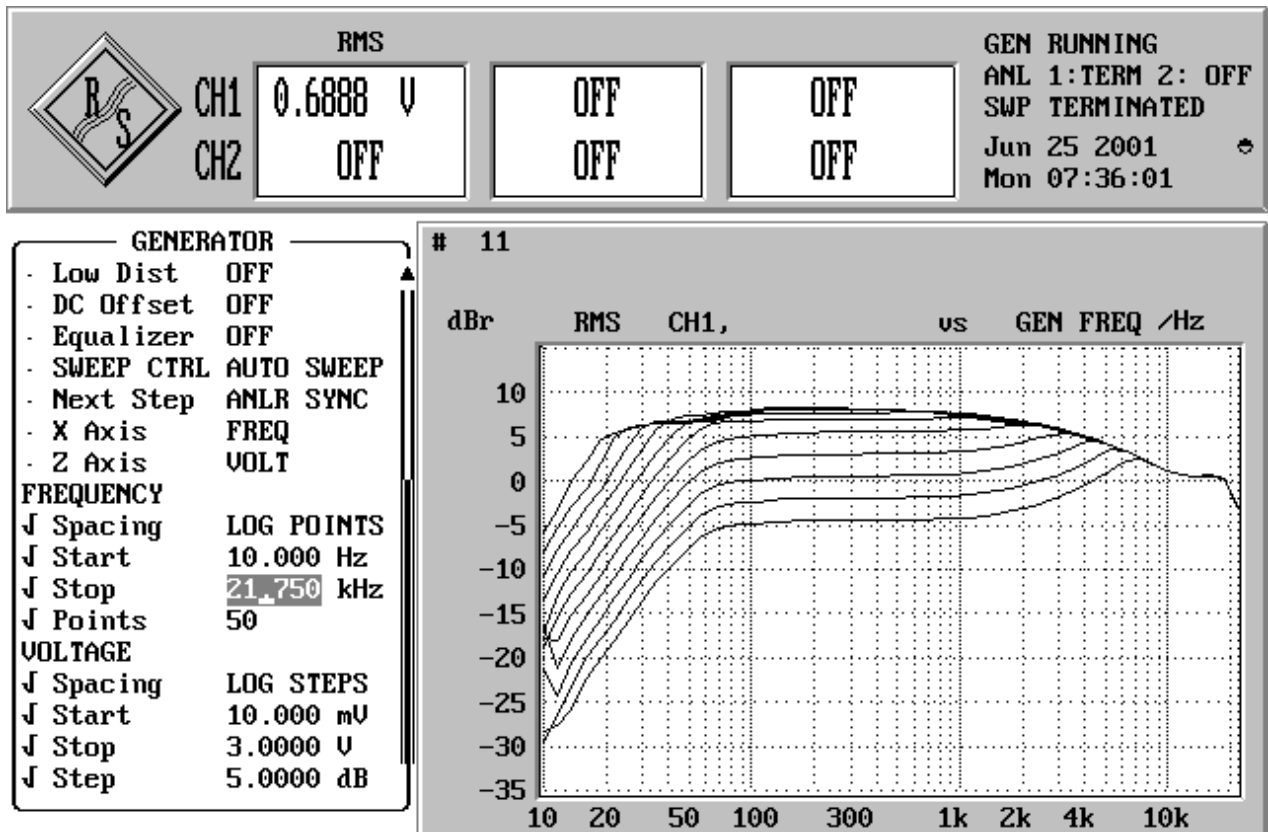
04 ;51

Equipment under test : SK 5012
 Ambient temperature : 23°C
 Relative humidity : 48%

CHARACTERISTICS OF THE AUDIO MODULATION CIRCUITRY

FCC Rule Part 74 Sec. 2.987

Frequency: 634 MHz



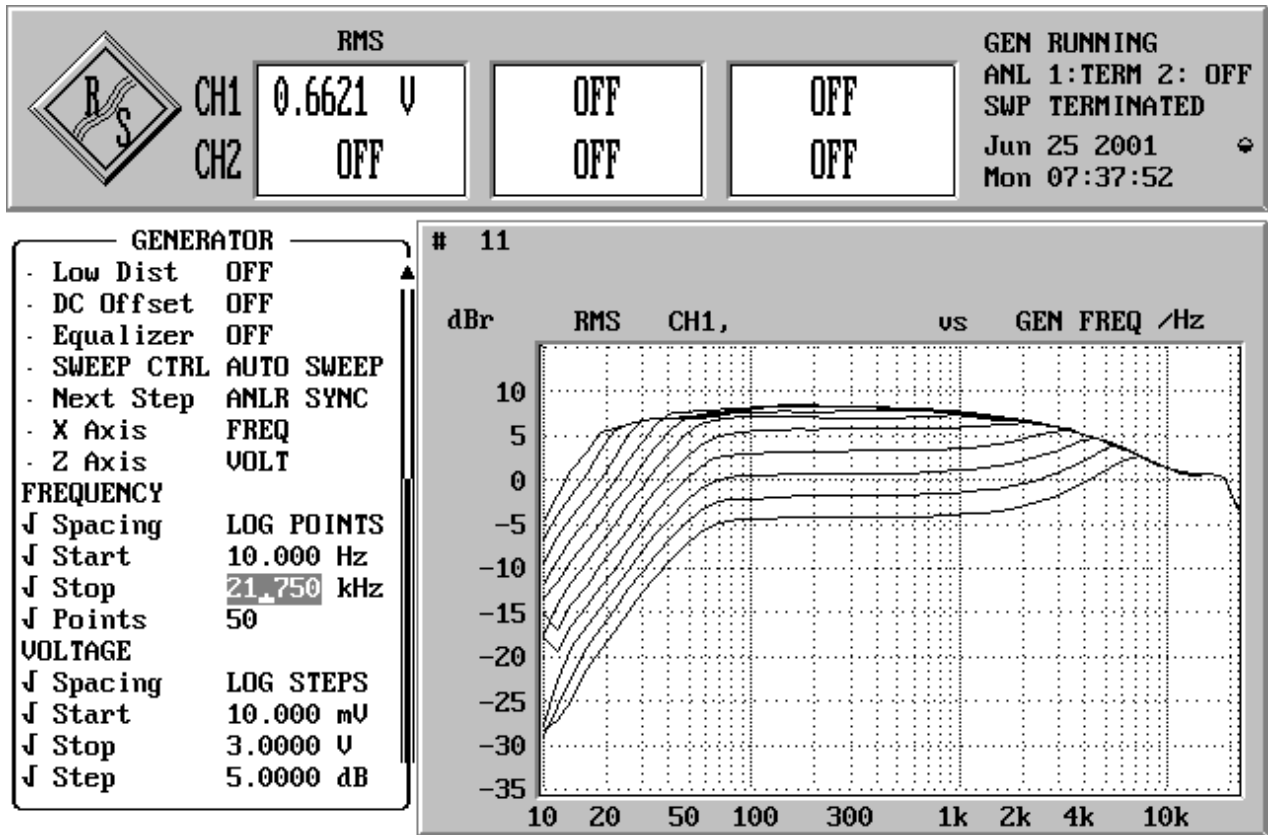
REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 04 ;51

Equipment under test : SK 5012
 Ambient temperature : 23°C
 Relative humidity : 48%

CHARACTERISTICS OF THE AUDIO MODULATION CIRCUITRY

FCC Rule Part 74 Sec. 2.987

Frequency: 801 MHz



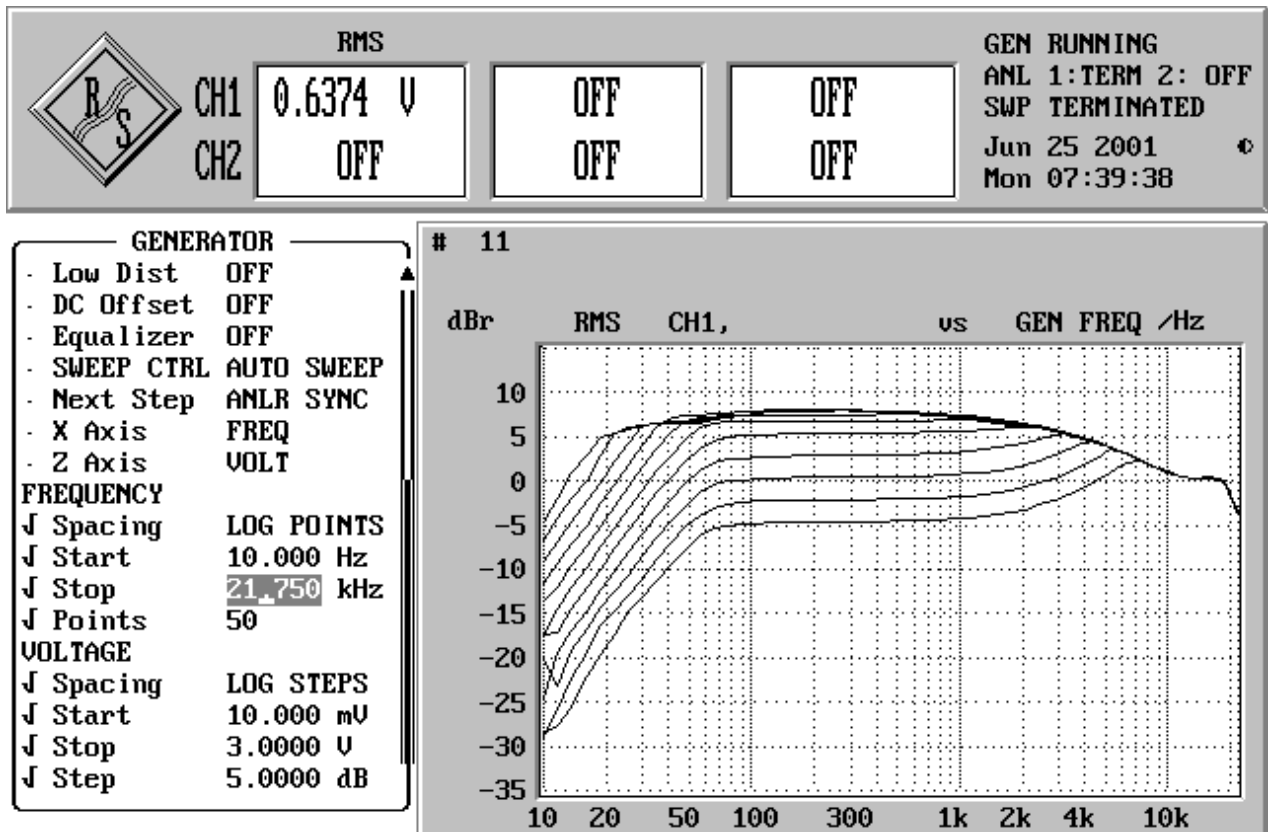
REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 04 ;51

Equipment under test : SK 5012
 Ambient temperature : 23°C
 Relative humidity : 48%

CHARACTERISTICS OF THE AUDIO MODULATION CIRCUITRY

FCC Rule Part 74 Sec. 2.987

Frequency: 862 MHz



REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 04 ;51

Equipment under test : SK 5012
 Ambient temperature : 23°C
 Relative humidity : 48%

OCCUPIED BANDWIDTH

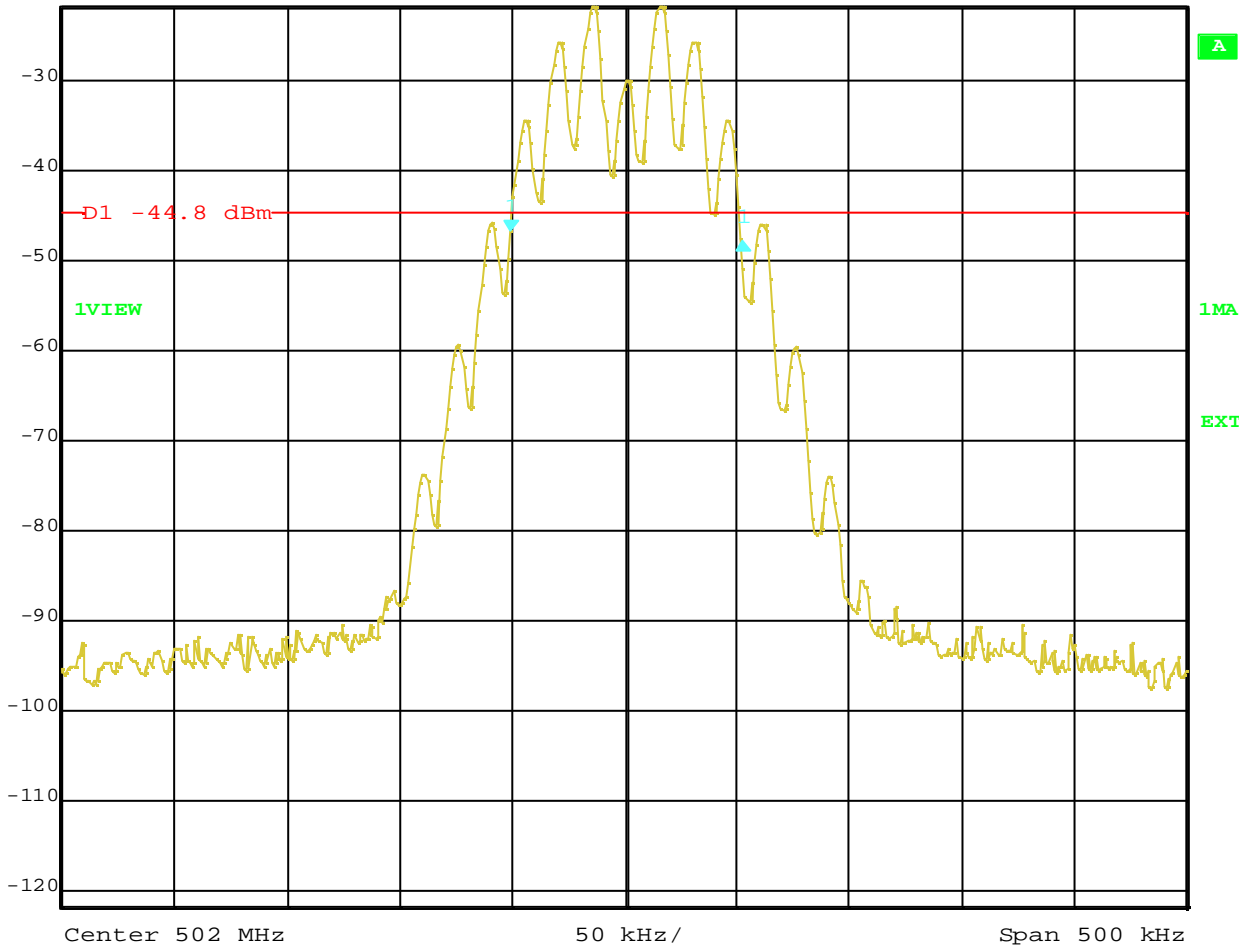
FCC Rule Part 74 Sec. 2.989

Frequency: 502 MHz / max. deviation : ± 56 kHz (Limit ± 75 kHz)

Bandwidth : 103.206 KHz

85% Modulation

	Delta 1 [T1]	RBW	5 kHz	RF Att	10 dB
	Ref Lvl	-1.02 dB	VBW	5 kHz	
	-21.8 dBm	103.20641283 kHz	SWT	50 ms	Unit dBm



Date: 25.JUN.2001 09:24:27

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 01 ; 02 ;64

Equipment under test : SK 5012
 Ambient temperature : 23°C
 Relative humidity : 48%

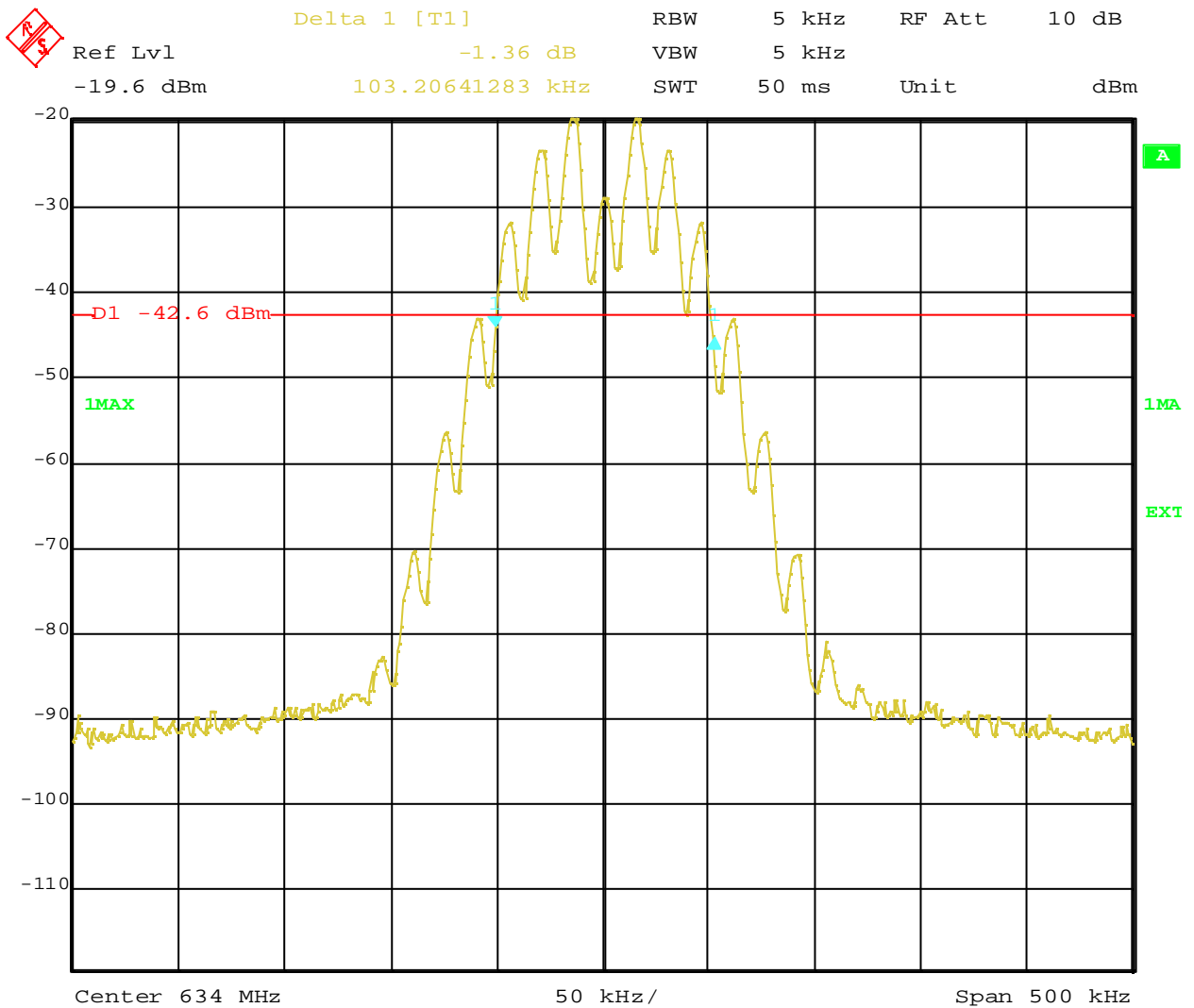
OCCUPIED BANDWIDTH

FCC Rule Part 74 Sec. 2.989

Frequency: 634 MHz / max. deviation : ± 56 kHz (Limit ± 75 kHz)

Bandwidth : 103.206 KHz

85% Modulation



Date: 25.JUN.2001 09:28:04

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 01 ; 02 ;64

Equipment under test : SK 5012
 Ambient temperature : 23°C
 Relative humidity : 48%

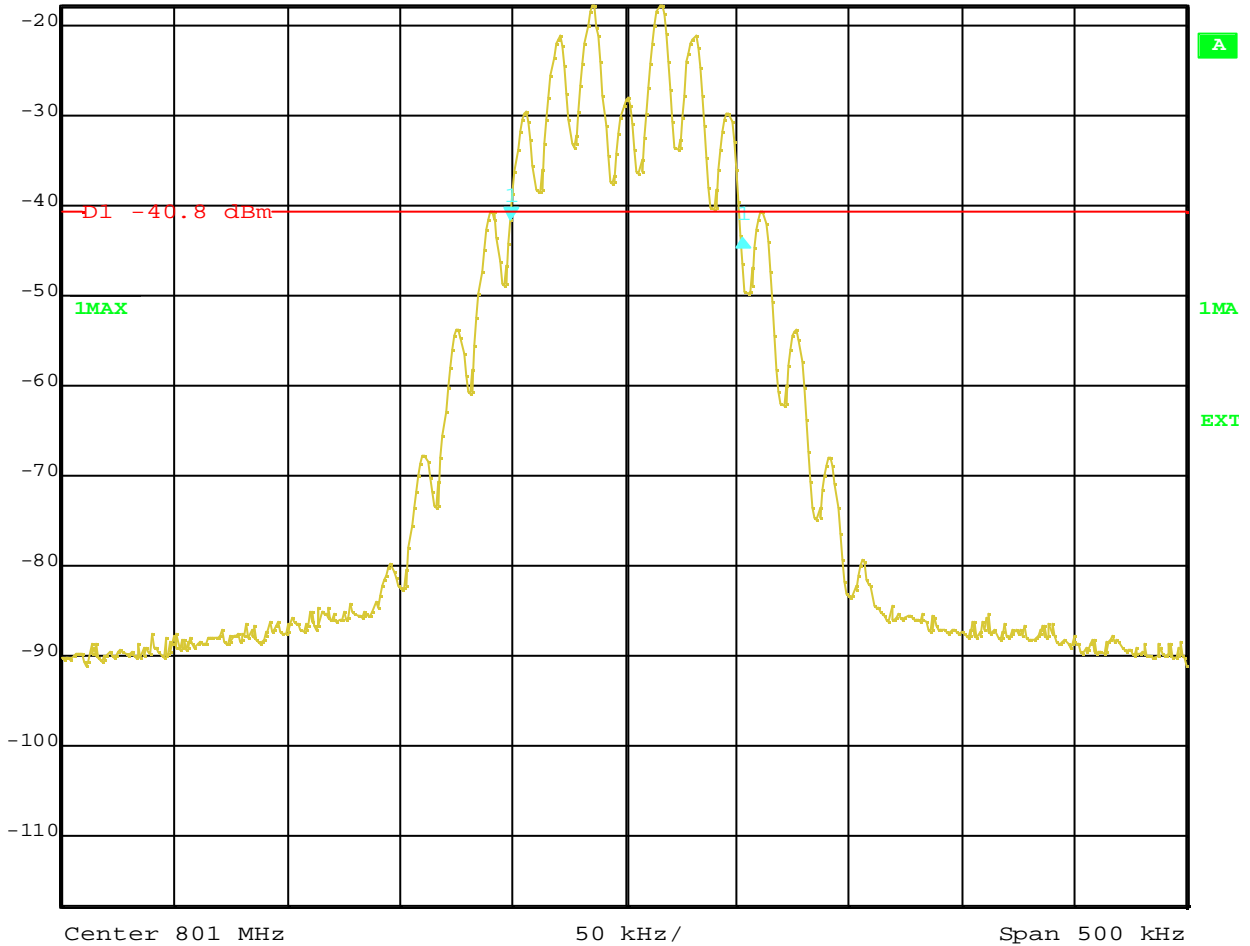
OCCUPIED BANDWIDTH

FCC Rule Part 74 Sec. 2.989

Frequency: 801 MHz / max. deviation : ± 56 kHz (Limit ± 75 kHz)
 Bandwidth : 103,206 KHz

85% Modulation

	Delta 1 [T1]	RBW	5 kHz	RF Att	10 dB
	Ref Lvl	-1.94 dB	VBW	5 kHz	
	-17.8 dBm	103.20641283 kHz	SWT	50 ms	Unit dBm



Date: 25.JUN.2001 09:30:04

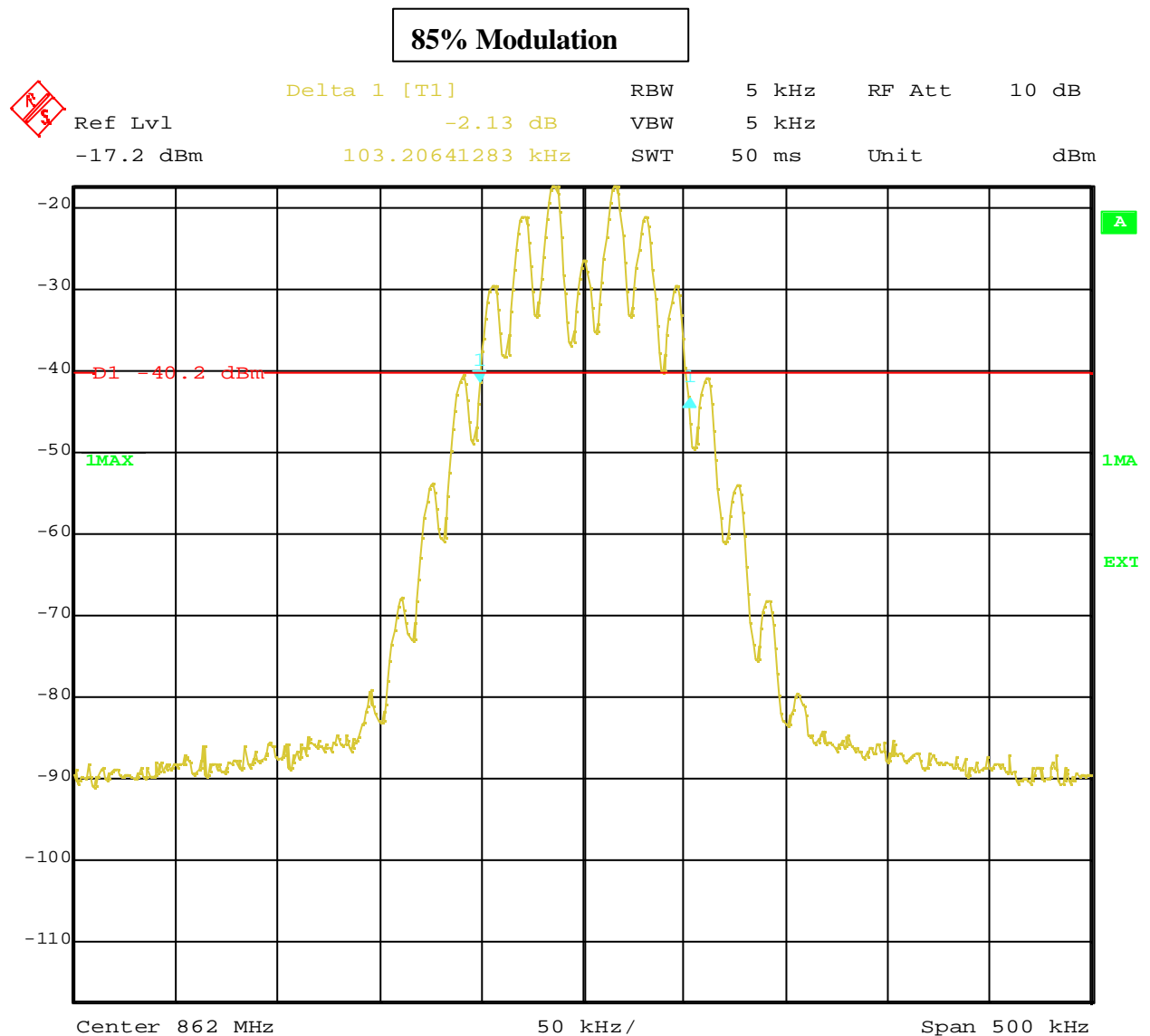
REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 01 ; 02 ;64

Equipment under test : SK 5012
 Ambient temperature : 23°C
 Relative humidity : 48%

OCCUPIED BANDWIDTH

FCC Rule Part 74 Sec. 2.989

Frequency: 801 MHz / max. deviation : ± 56 kHz (Limit ± 75 kHz)
 Bandwidth : 103.206 KHz



Date: 25.JUN.2001 09:31:14

REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 01 ; 02 ;64

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

RADIATED EMISSIONS

FCC Rule Part 74 subpart H

Power level at which the measurement has been performed :

502.000 MHz	634.000 MHz	801.000 MHz
15.14 mW / +11.8 dBm	16.22 mW / +12.1 dBm	14.79 mW / +11.7 dBm

Transmitter operating

SPURIOUS EMISSIONS LEVEL (dBm)								
502 MHz			634 MHz			801 MHz		
f (MHz)	Band-width (kHz)	Level (dBm)	f (MHz)	Band-width (kHz)	Level (dBm)	f (MHz)	Band-width (kHz)	Level (dBm)
no	peak	found	no	peak	found	no	peak	found
Measurement uncertainty			± 3dB					

Bandwidth (kHz); this refers to the bandwidth of the measurement receiver

Limits

FCC Rule Part 74.861(e)(6)

f ± 100 kHz to f ± 200 kHz	f ± 200 kHz to f ± 500 kHz	f ± 500 kHz
25 dBc	35 dBc	-43 +10 log ₁₀ (mean output power in watts) dB below the mean output power

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

Equipment under test : SK 5012
Ambient temperature : 23° C
Relative humidity : 48%

RADIATED EMISSIONS

FCC Rule Part 74 subpart H

Power level at which the measurement has been performed :

862.000 MHz		
17.38 mW / +12.4 dBm		

Transmitter operating

SPURIOUS EMISSIONS LEVEL (dBm)								
862 MHz								
f (MHz)	Band-width (kHz)	Level (dBm)	f (MHz)	Band-width (kHz)	Level (dBm)	f (MHz)	Band-width (kHz)	Level (dBm)
no	peak	found						
Measurement uncertainty			± 3dB					

Bandwidth (kHz); this refers to the bandwidth of the measurement receiver

Limits

FCC Rule Part 74.861(e)(6)

f ± 100 kHz to f ± 200 kHz	f ± 200 kHz to f ± 500 kHz	f ± 500 kHz
25 dBc	35 dBc	-43 +10 log ₁₀ (mean output power in watts) dB below the mean output power

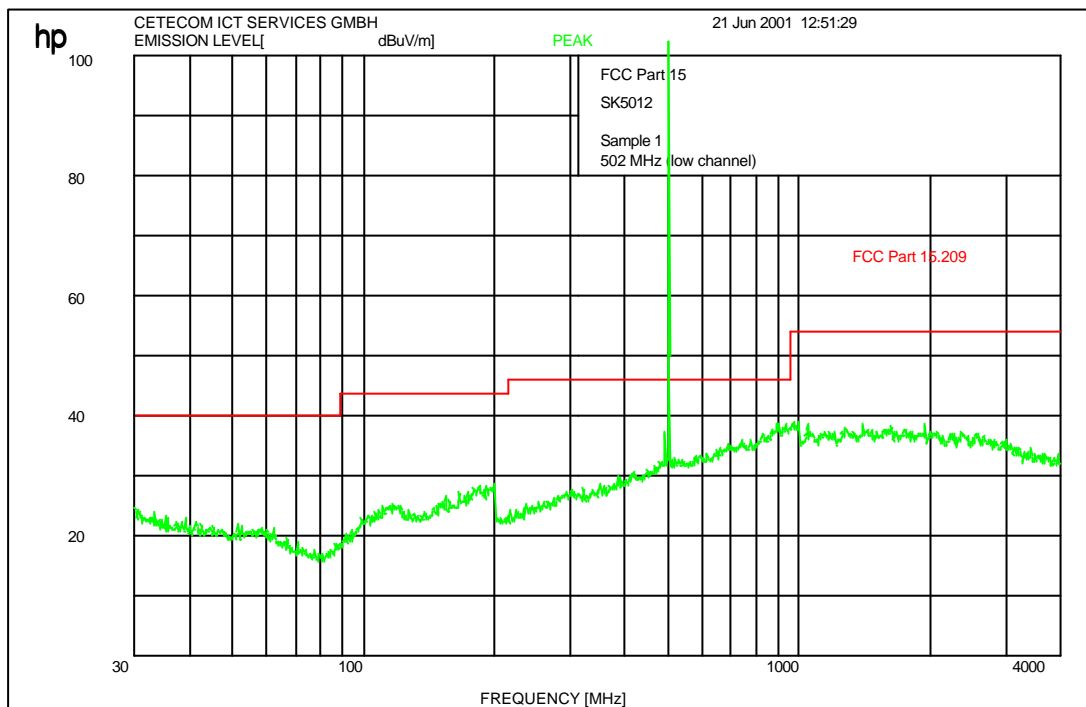
REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)
 17 - 24

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

RADIATED EMISSIONS

FCC Rule Part 74 subpart H

502 MHz



Limits

FCC Rule Part 74.861(e)(6)

$f \pm 100 \text{ kHz to } f \pm 200 \text{ kHz}$	$f \pm 200 \text{ kHz to } f \pm 500 \text{ kHz}$	$f \pm 500 \text{ kHz}$
25 dBc	35 dBc	-43 +10 log ₁₀ (mean output power in watts) dB below the mean output power

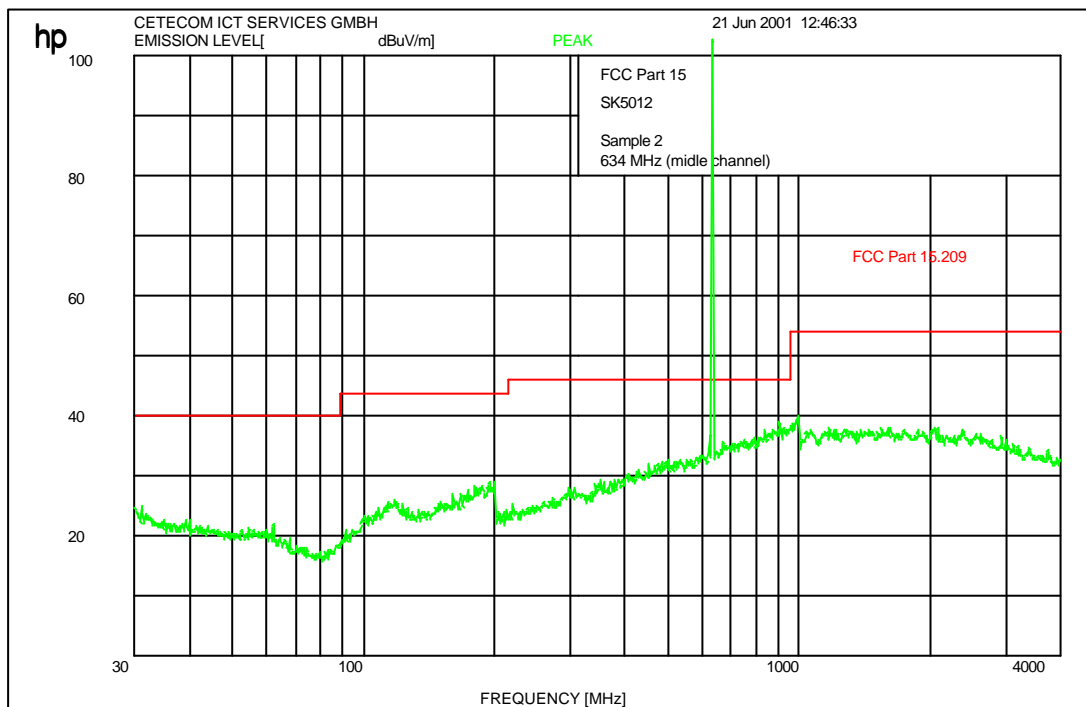
REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

RADIATED EMISSIONS

FCC Rule Part 74 subpart H

634 MHz



Limits

FCC Rule Part 74.861(e)(6)

$f \pm 100 \text{ kHz to } f \pm 200 \text{ kHz}$	$f \pm 200 \text{ kHz to } f \pm 500 \text{ kHz}$	$f \pm 500 \text{ kHz}$
25 dBc	35 dBc	-43 +10 log ₁₀ (mean output power in watts) dB below the mean output power

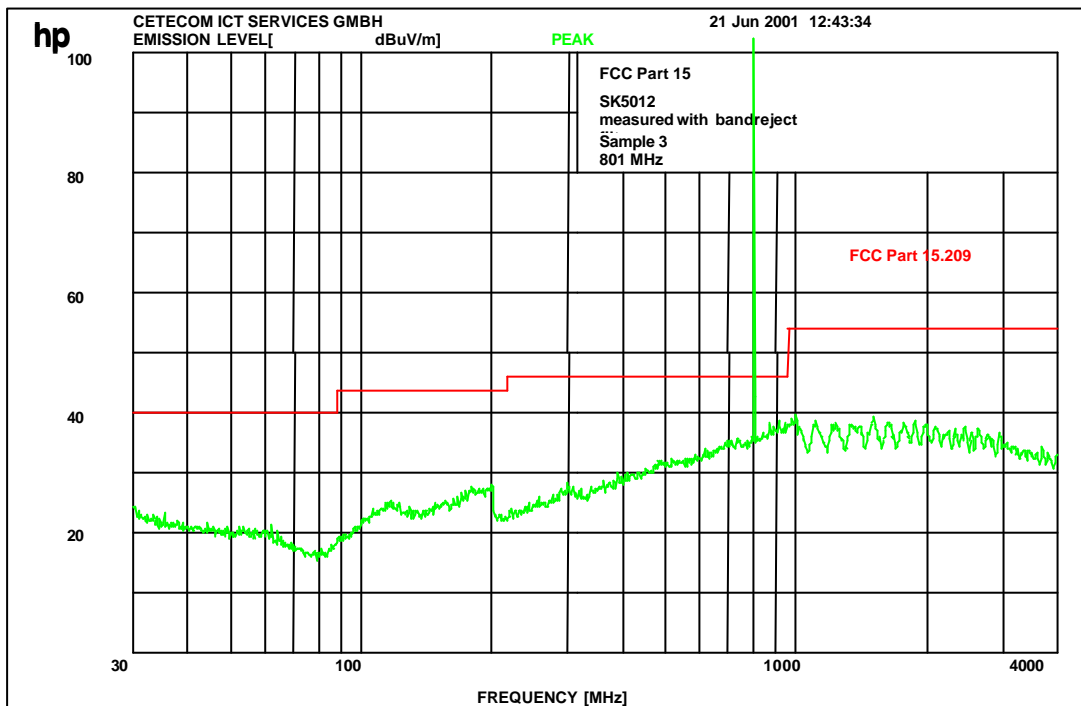
REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

RADIATED EMISSIONS

FCC Rule Part 74 subpart H

801 MHz



Limits

FCC Rule Part 74.861(e)(6)

$f \pm 100 \text{ kHz to } f \pm 200 \text{ kHz}$	$f \pm 200 \text{ kHz to } f \pm 500 \text{ kHz}$	$f \pm 500 \text{ kHz}$
25 dBc	35 dBc	-43 +10 log ₁₀ (mean output power in watts) dB below the mean output power

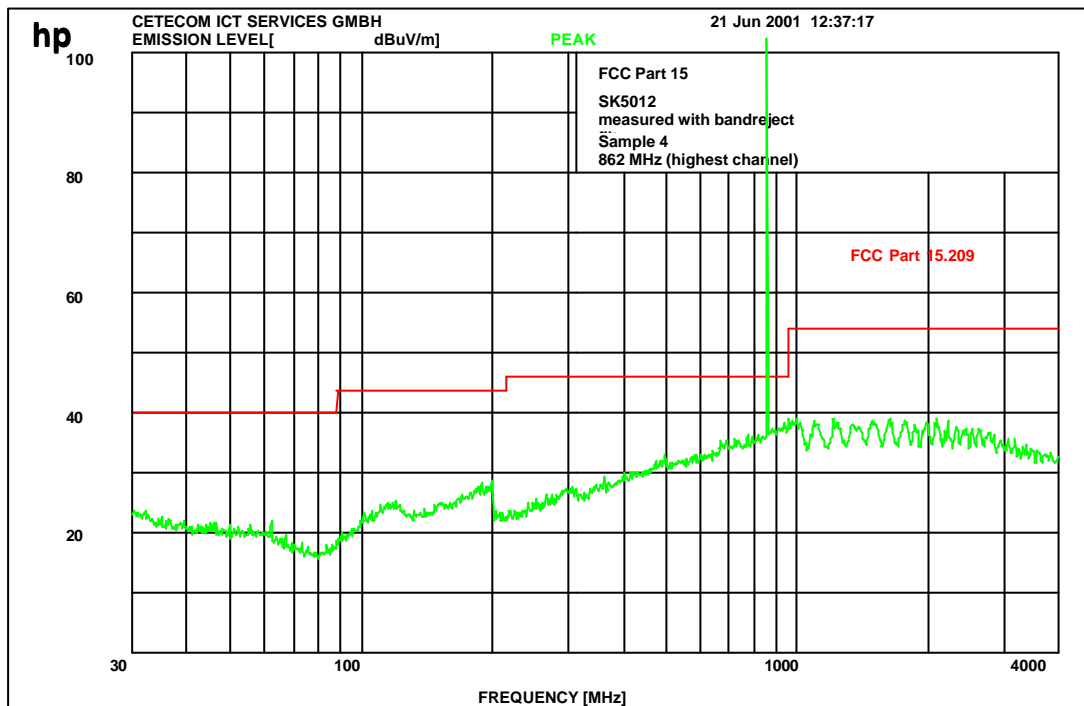
REFERENCE NUMBER(S) OF TEST EQUIPMENT USED
 (for reference numbers see test equipment listing)

Equipment under test : SK 5012
 Ambient temperature : 23° C
 Relative humidity : 48%

RADIATED EMISSIONS

FCC Rule Part 74 subpart H

862 MHz



Limits

FCC Rule Part 74.861(e)(6)

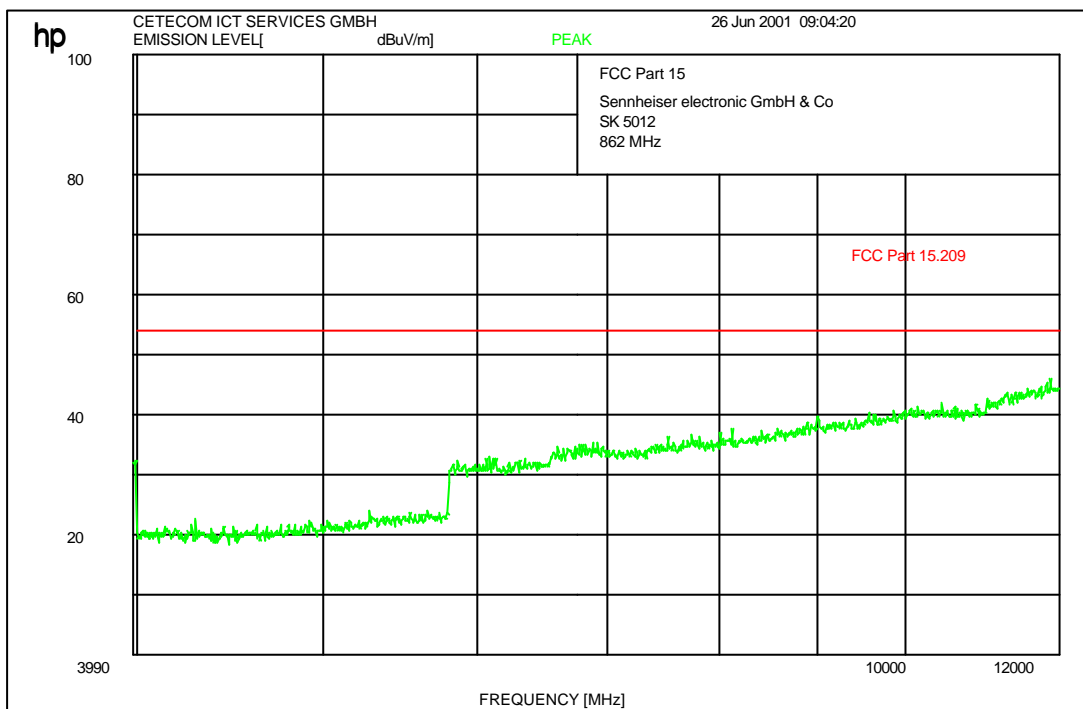
$f \pm 100 \text{ kHz to } f \pm 200 \text{ kHz}$	$f \pm 200 \text{ kHz to } f \pm 500 \text{ kHz}$	$f \pm 500 \text{ kHz}$
25 dBc	35 dBc	-43 +10 log ₁₀ (mean output power in watts) dB below the mean output power

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

Equipment under test : SK 5012
Ambient temperature : 23° C
Relative humidity : 48%

RADIATED EMISSIONS

FCC Rule Part 74 subpart H



This plot is also valid for all other channels / devices

Limits

FCC Rule Part 74.861(e)(6)

$f \pm 100 \text{ kHz to } f \pm 200 \text{ kHz}$	$f \pm 200 \text{ kHz to } f \pm 500 \text{ kHz}$	$f \pm 500 \text{ kHz}$
25 dBc	35 dBc	-43 +10 log ₁₀ (mean output power in watts) dB below the mean output power

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

TEST EQUIPMENT AND ANCILLARIES USED FOR TESTS

To simplify the identification on each page of the test equipment used, on each page of the test report, each item of test equipment and ancillaries such as cables are identified (numbered) by the Test Laboratory, below.

No	Instrument/Ancillary	Type	Manufacturer	Serial No.
01	Spectrum Analyzer	8566 A	Hewlett-Packard	1925A00257
02	Analyzer Display	8566 A	Hewlett-Packard	1925A00860
03	Oscilloscope	7633	Tektronix	230054
04	Radio Analyzer	CMTA 54	Rohde & Schwarz	894 043/010
05	System Power Supply	6038 A	Hewlett-Packard	2848A07027
06	Signal Generator	8111 A	Hewlett-Packard	2215G00867
07	Signal Generator	8662 A	Hewlett-Packard	2224A01012
08	Funktionsgenerator	AFGU	Rohde & Schwarz	862 480/032
09	Regeltrenntrafo	MPL	Erfi	91350
10	Netznachbildung	NNLA 8120	Schwarzbeck	8120331
11	Relais-Matrix	PSU	Rohde & Schwarz	893 285/020
12	Power-Meter	436 A	Hewlett-Packard	2101A12378
13	Power-Sensor	8484 A	Hewlett-Packard	2237A10156
14	Power-Sensor	8482 A	Hewlett-Packard	2237A00616
15	Modulationsmeter	9008	Racal-Dana	2647
16	Frequenzzähler	5340 A	Hewlett-Packard	1532A03899
17	Absorber Schirmkabine	---	MWB	87400/002
18	Spectrum Analyzer	85660 B	Hewlett-Packard	2747A05306
19	Analyzer Display	85662 A	Hewlett-Packard	2816A16541
20	Quasi Peak Adapter	85650 A	Hewlett-Packard	2811A01131
21	RF-Preselector	85685 A	Hewlett-Packard	2833A00768
22	Biconical Antenne	3104	Emco	3758
23	Log. Per. Antenne	3146	Emco	2130
24	Double Ridge Horn	3115	Emco	3088
25	EMI-Testreceiver	ESAI	Rohde & Schwarz	863 180/013
26	EMI-Analyzer-Display	ESAI-D	Rohde & Schwarz	862 771/008
27	Biconical Antenne	HK 116	Rohde & Schwarz	888 945/013
28	Log. Per. Antenne	HL 223	Rohde & Schwarz	825 584/002
29	Relais-Switch-Unit	RSU	Rohde & Schwarz	375 339/002
30	Highpass	HM985955	FSY Microwave	001
31	Amplifier	P42-GA29	Tron-Tech	B 23602
32	Absorber Schirmkabine		Frankonia	
33	Steuerrechner	PSM 7	Rohde & Schwarz	834 621/004
34	EMI Test Reciever	ESMI	Rohde & Schwarz	827 063/010
35	EMI Test Receiver	Display	Rohde & Schwarz	829 808/010

TEST EQUIPMENT AND ANCILLARIES USED FOR TESTS

To simplify the identification on each page of the test equipment used, on each page of the test report, each item of test equipment and ancillaries such as cables are identified (numbered) by the Test Laboratory, below.

No	Instrument/Ancillary	Type	Manufacturer	Serial No.
36	Controler	HD 100	Deisel	100/322/93
37	Relais Matrix	PSN	Rohde & Schwarz	829 065/003
38	Control Unit	GB 016 A2	Rohde & Schwarz	344 122/008
39	Relais Switch Unit	RSU	Rohde & Schwarz	316 790/001
40	Power Supply	6032A	Hewlett Packard	2846A04063
41	Spektrum Monitor	EZM	Rohde & Schwarz	883 720/006
42	Meßempfänger	ESH 3	Rohde & Schwarz	890 174/002
43	Meßempfänger	ESVP	Rohde & Schwarz	891 752/005
44	Biconi Ant. 20-300MHz	HK 116	Rohde & Schwarz	833 162/011
45	Logper Ant. 0.3-1 GHz	HL 223	Rohde & Schwarz	832 914/010
46	Amplifier 0.1-4 GHz	AFS4	Miteq Inc.	206461
47	Logper Ant. 1-18 GHz	HL 024 A2	Rohde & Schwarz	342 662/002
48	Polarisationsnetzwerk	HL 024 Z1	Rohde & Schwarz	341 570/002
49	Double Ridge G Horn Antenne 1-26.5 GHz	3115	EMCO	9107-3696
50	Microw. Sys. Amplifier 0.5- 26.5 GHz	8317A	Hewlett Packard	3123A00105
51	Audio Analyzer	UPD	Rohde & Schwarz	1030.7500.04
52	Steuerrechner	PSM 7	Rohde & Schwarz	883 086/026
53	DC V-Netzwerk	ESH3-Z6	Rohde & Schwarz	861 406/005
54	DC V-Netzwerk	ESH3-Z6	Rohde & Schwarz	893 689/012
55	AC 2 Phasen V-Netzwerk	ESH3-Z5	Rohde & Schwarz	861 189/014
56	AC 2 Phasen V-Netzwerk	ESH3-Z5	Rohde & Schwarz	894 981/019
57	AC-3 Phasen V-Netzwerk	ESH2-Z5	Rohde & Schwarz	882 394/007
58	Stromversorgung	6032A	Rohde & Schwarz	2933A05441
59	HF-Test Empfänger	ESVP.52	Rohde & Schwarz	881 487/021
60	Spectrum Monitor	EZM	Rohde & Schwarz	883 086/026
61	HF-Test Empfänger	ESH3	Rohde & Schwarz	881 515/002
62	Relais Matrix	PSU	Rohde & Schwarz	882 943/029
63	Relais Matrix	PSU	Rohde & Schwarz	828 628/007
64	Spectrum Analyzer	FSIQ 26	Rohde & Schwarz	119.6001.27
65	Spectrum Analyzer	HP 8565E	Hewlett Packard	3473A00773
66				