

**Radiated Emission 30 MHz - 1 GHz (Final Test)
according to FCC Part 15 Subpart C, §15.231.b**

Model: EHS 08 2-K
Type: Remote control transmitter
Serial No.: 1
Applicant: ELDAT GmbH
Test site: Open area test-site I
Test distance: 3 meters
Date of test: 04/02/2000
Operator: T. Eberl
Mode: - transmitting continuously
- with battery supply 12 V DC

EUT in horizontal position with rear side on table

Detector: Peak

Polarization: vertical

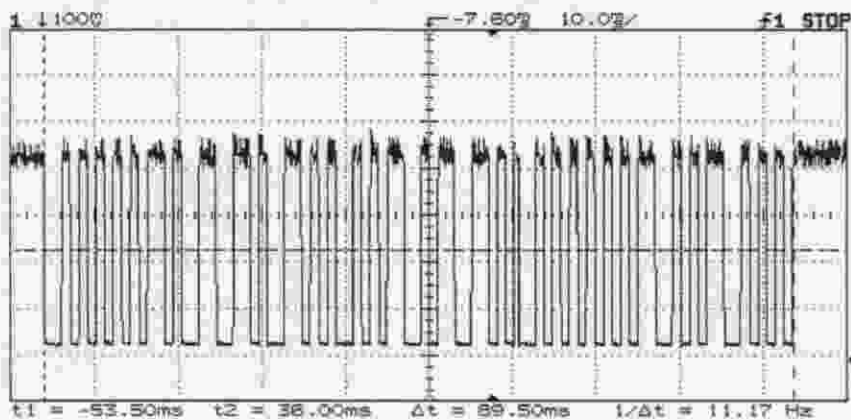
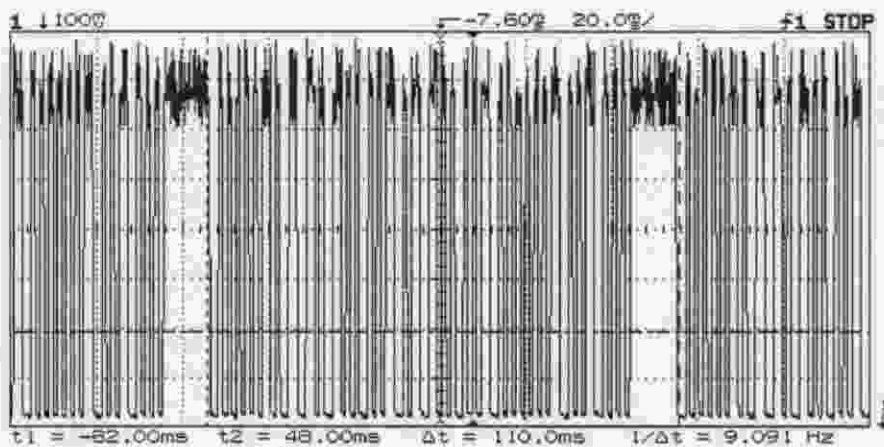
Frequency [MHz]	Receiver reading [dBµV]	Correction factor [dB]	Fieldstrength Peak [dBµV/m]	Limit Peak [dBµV/m]	Duty cycle correction [dB]	Fieldstrength Average [dBµV/m]	Limit Average [dBµV/m]	Limit exceeded
40.68	58.9	12.6	71.5	86.9	6.8	64.7	66.9	
81.37	6.5	10.8	17.3	66.0	6.8	10.5	46.0	
122.05	5.0	14.5	19.5	66.0	6.8	12.7	46.0	
366.16	7.4	21.1	28.5	66.0	6.8	21.7	46.0	
406.85	5.8	22.3	28.1	66.0	6.8	21.3	46.0	
447.53	7.8	23.4	31.2	66.0	6.8	24.4	46.0	
488.22	6.5	24.4	30.9	66.0	6.8	24.1	46.0	
528.90	7.1	25.3	32.4	66.0	6.8	25.6	46.0	
569.60	5.1	26.2	31.3	66.0	6.8	24.5	46.0	
813.70	3.1	31.5	34.6	66.0	6.8	27.8	46.0	

Result: The limits are kept.

Duty Cycle Test
according to FCC Part 15 Subpart C, §15.231 / ANSI C63.4-1992 (14.10)

Model: Digital 231/232
 Type: Remote control transmitter
 Serial No.: Prototype A
 Applicant: ELDAT GmbH
 Test-site: Shielded room

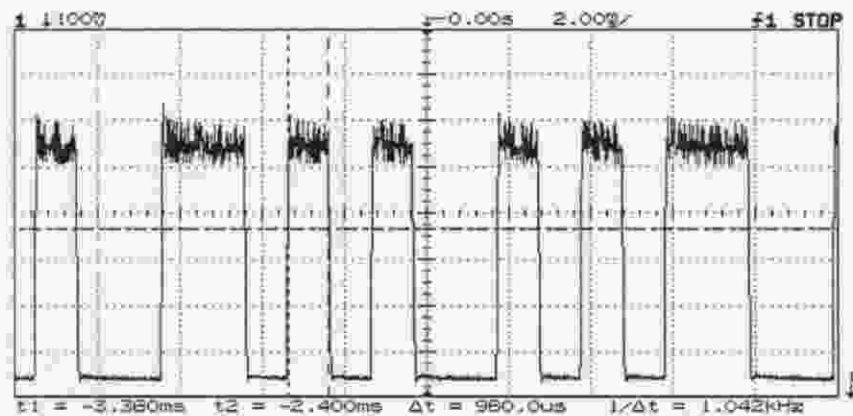
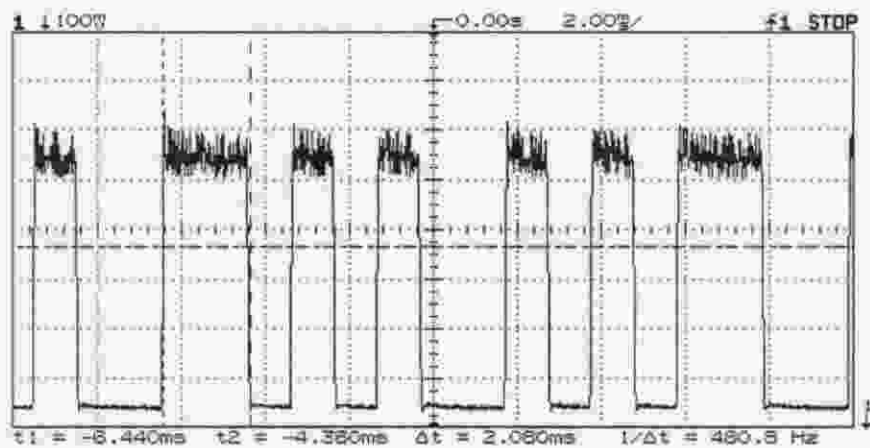
Date of test: 01/14/1999
 Operator: R. Kohlhäufi
 Mode: - transmitting continuously
 - with battery supply 6 V DC



Duty Cycle Test (continued)
according to FCC Part 15 Subpart C, §15.231 / ANSI C63.4-1992 (14.10)

Model: Digital 231/232
Type: Remote control transmitter
Serial No.: Prototype A
Applicant: ELDAT GmbH
Test site: Shielded room

Date of test: 01/14/1999
Operator: R. Kohlhäufi
Mode: - transmitting continuously
- with battery supply 6 V DC



Duty Cycle Test (continued)
according to FCC Part 15 Subpart C, §15.231 / ANSI C63.4-1992 (14.10)

Model: Digital 231/232
 Type: Remote control transmitter
 Serial No.: Prototype A
 Applicant: ELDAT GmbH
 Test-site: Shielded room

Date of test: 01/14/1999
 Operator: R. Kohlhauf
 Mode:
 - transmitting continuously
 - with battery supply 6 V DC

(standard mode)

	Number of pulses	T [ms]	Duty Cycle	Duty Cycle Correction [dB]
Pulse Train		110.000	0.409	-7.8
Transmitter ON (long time)	10	2.000		
Transmitter ON (short time)	25	1.000		

(worst case mode)

	Number of pulses	T [ms]	Duty Cycle	Duty Cycle Correction [dB]
Pulse Train		110.000	0.455	-6.8
Transmitter ON (long time)	15	2.000		
Transmitter ON (short time)	20	1.000		

Bandwidht of emission according to FCC Part 15 Subpart C

Model:
FHS 08 1 -K

Serial No.:
01

Applicant:
ELDAT GmbH

Mode:

TX mode

Battery supply : 12 V DC

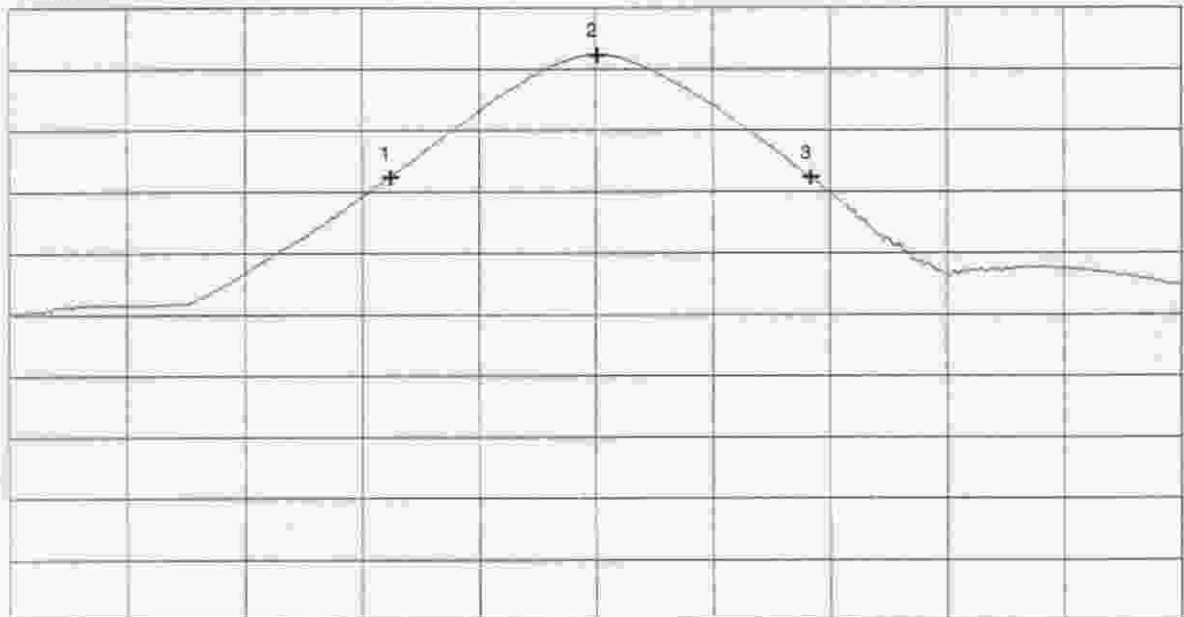
Maximum bandwidth :

0.25% of center frequency = 101.7 kHz

Ref.Level 79 dBµV/m
10 dB dB/Div.

ATT 20 dB

Ref. Offset -18 dB



Start 40.636666 MHz
RBW 10 kHz

VBW 10 kHz

Stop 40.736666 MHz
SWP 20 ms

**** Multi Marker ****

Nr.1	40.669110 MHz	51.35 dBµV/m
Nr.2	40.686777 MHz	71.31 dBµV/m
Nr.3	40.704999 MHz	51.35 dBµV/m
Nr.4		
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Thomas Eberl

Project-No.:
50530-00062

Date:
02/04/2000

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Radiated emission 30 MHz - 1000 MHz acc. FCC Part 15 Subpart C

Model:
FHS 08 1-K

Serial No.:
01

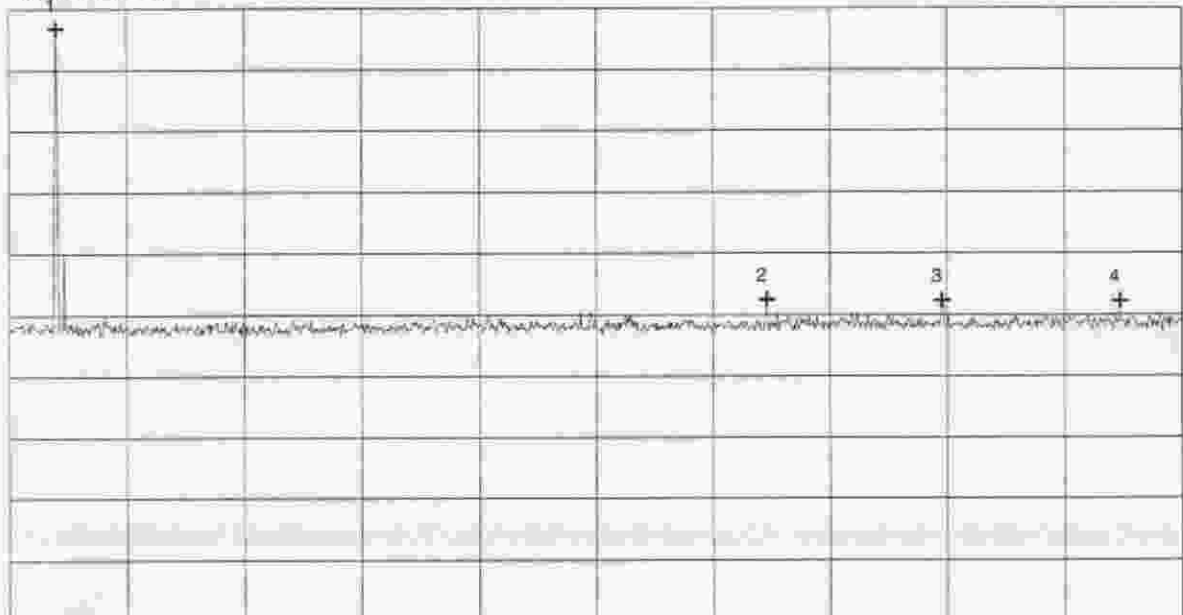
Applicant:
ELDAT GmbH

Mode:

- transmitting continuously
- with battery supply 12 V DC
- EUT in vertical position with antenna to the top
- Test distance 3m
- Antenna polarization : horizontal (1)
- PRESCAN WITHOUT ANY CORRECTIONS

Ref.Level 60 dB μ V
10 dB dB/Div.

ATT 0 dB



Start 30.000 MHz
RBW 100 kHz

VBW 100 kHz

Stop 300.000 MHz
SWP 100 ms

**** Multi Marker ****

Nr.1	40.800000 MHz	56.73 dB μ V
Nr.2	204.300000 MHz	12.47 dB μ V
Nr.3	244.800000 MHz	12.29 dB μ V
Nr.4	285.600000 MHz	12.16 dB μ V
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Thomas Ebert

Project-No.:
50530-0062-1

Date:
01/31/2000

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Radiated emission 30 MHz - 1000 MHz acc. FCC Part 15 Subpart C

Model:
FHS 08 1-K

Serial No.:
01

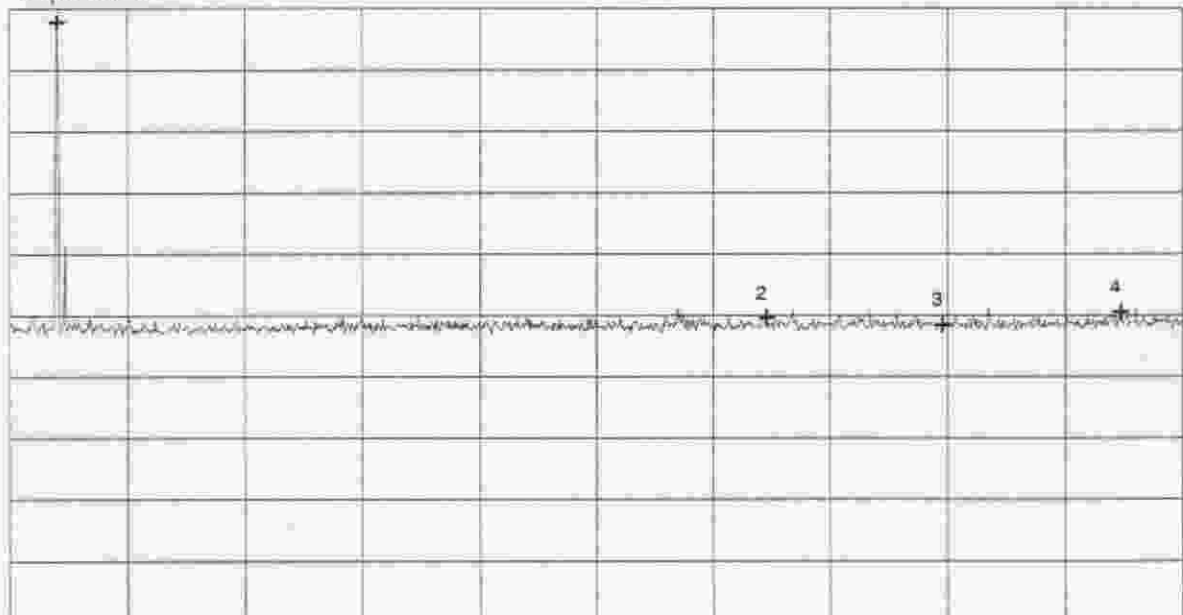
Applicant:
ELDAT GmbH

Mode:

- transmitting continuously
- with battery supply 12 V DC
- EUT in vertical position with antenna to the top
- Test distance 3m
- Antenna polarization :Vertical (1)
- PRESCAN WITHOUT ANY CORRECTIONS

Ref.Level 60 dBµV
10 dB dB/Div.

ATT 0 dB



Start 30.000 MHz
RBW 100 kHz

VBW 100 kHz

Stop 300.000 MHz
SWP 100 ms

**** Multi Marker ****

Nr.1	40.800000 MHz	57.80 dBµV
Nr.2	204.300000 MHz	9.60 dBµV
Nr.3	244.800000 MHz	8.48 dBµV
Nr.4	285.600000 MHz	10.54 dBµV
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Thomas Ebert

Date:
01/31/2000

Project-No.:
50530-0062-1

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Radiated emission 30 MHz - 1000 MHz acc. FCC Part 15 Subpart C

Model:
FHS 08 1-K

Serial No.:
01

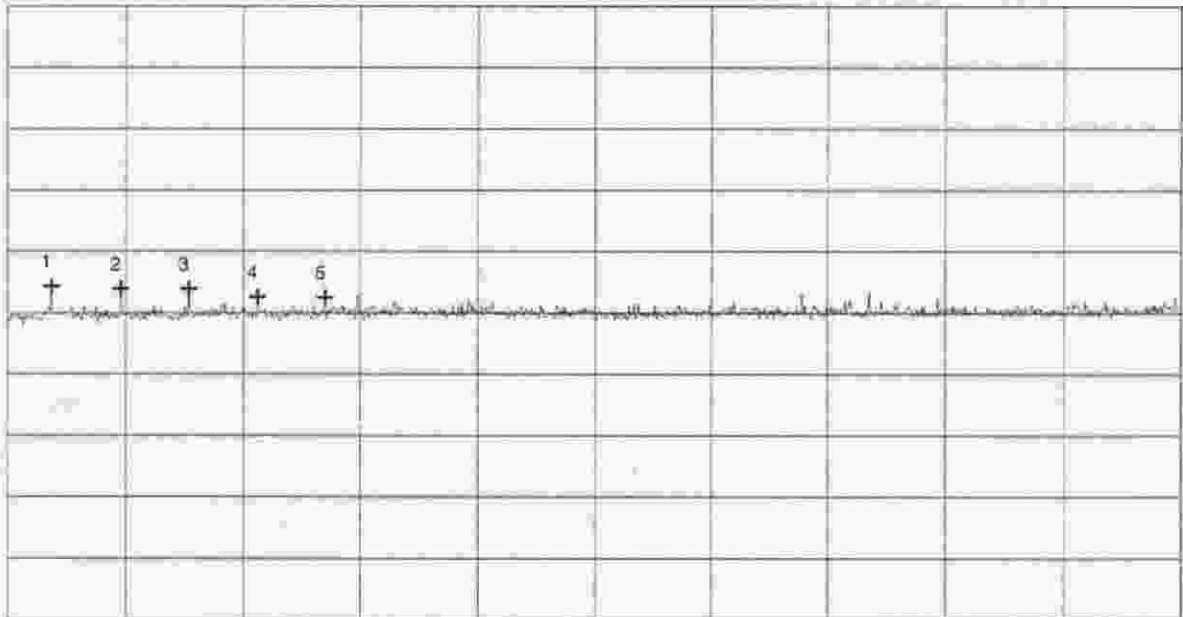
Applicant:
ELDAT GmbH

Mode:

- transmitting continuously
- with battery supply 12 V DC
- EUT in horizontal position with antenna to the top
- Test distance 3m
- Antenna polarization :Horizontal (1)
- PRESCAN WITHOUT ANY CORRECTIONS

Ref.Level 60 dBµV
10 dB dB/Div.

ATT 0 dB



Start 300.000 MHz
RBW 100 kHz

VBW 100 kHz

Stop 1.000 GHz
SWP 220 ms

**** Multi Marker ****

Nr.1	325.666667 MHz	14.32 dBµV
Nr.2	366.888889 MHz	13.89 dBµV
Nr.3	407.333333 MHz	13.89 dBµV
Nr.4	448.555556 MHz	12.57 dBµV
Nr.5	489.000000 MHz	12.47 dBµV
Nr.6		
Nr.7		
Nr.8		

Tested by:
Thomas Eberl

Date:
01/31/2000

Project-No.:
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Radiated emission 30 MHz - 1000 MHz acc. FCC Part 15 Subpart C

Model:
FHS 08 1-K

Serial No.:
01

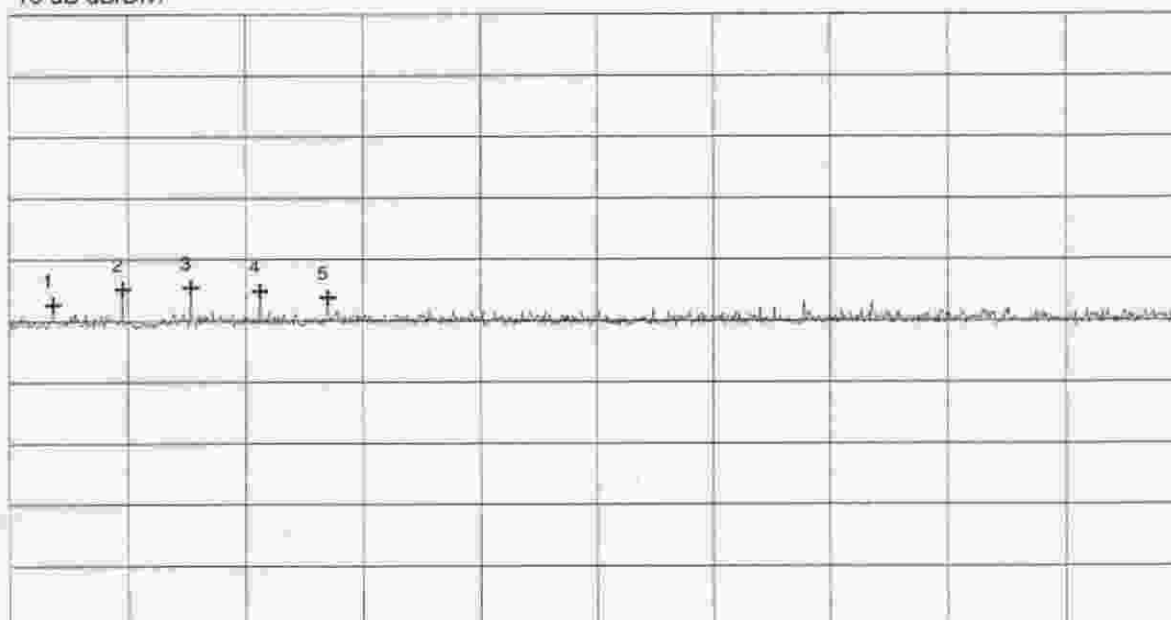
Applicant:
ELDAT GmbH

Mode:

- transmitting continuously
- with battery supply 12 V DC
- EUT in horizontal position with antenna to the top
- Test distance 3m
- Antenna polarization :Vertical (1)
- PRESCAN WITHOUT ANY CORRECTIONS

Ref.Level 60 dBµV
10 dB dB/Div.

ATT 0 dB



Start 300.000 MHz
RBW 100 kHz

VBW 100 kHz

Stop 1.000 GHz
SWP 220 ms

**** Multi Marker ****

Nr.1	325.666667 MHz	12.65 dBµV
Nr.2	366.888889 MHz	15.16 dBµV
Nr.3	407.333333 MHz	15.41 dBµV
Nr.4	448.555556 MHz	14.88 dBµV
Nr.5	489.000000 MHz	13.81 dBµV
Nr.6		
Nr.7		
Nr.8		

Tested by:
Thomas Eberl

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Date:
01/31/2000

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Radiated emission 30 MHz - 1000 MHz acc. FCC Part 15 Subpart C

Model:
FHS 08 1-K

Serial No.:
01

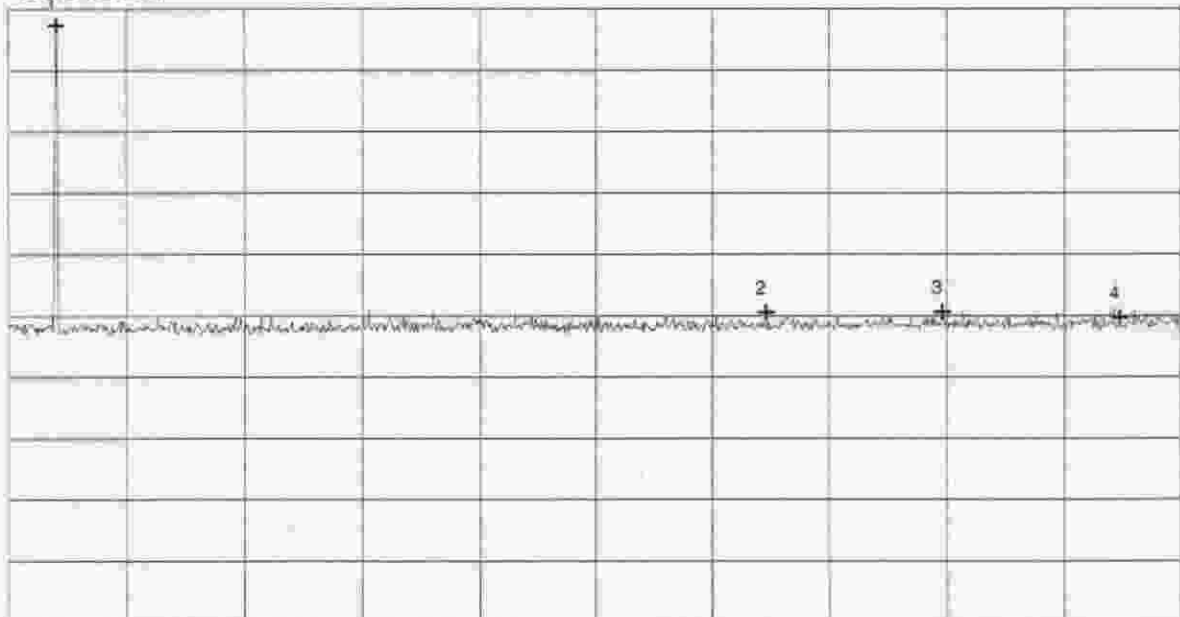
Applicant:
ELDAT GmbH

Mode:

- transmitting continuously
- with battery supply 12 V DC
- EUT in horizontal position with rear on table
- Test distance 3m
- Antenna polarization :Horizontal (2)
- PRESCAN WITHOUT ANY CORRECTIONS

Ref.Level 60 dB μ V
10 μ B dB/Div.

ATT 0 dB



Start 30.000 MHz
RBW 100 kHz

VBW 100 kHz

Stop 300.000 MHz
SWP 100 ms

**** Multi Marker ****

Nr.1	40.800000 MHz	57.34 dB μ V
Nr.2	204.300000 MHz	10.56 dB μ V
Nr.3	244.800000 MHz	10.64 dB μ V
Nr.4	285.600000 MHz	9.65 dB μ V
Nr.5		
Nr.6		
Nr.7		
Nr.8		

Tested by:
Thomas Eberl

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01/31/2000

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50530-0062-1

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