

Appendix B

Coordination with fixed microwave service

Affidavit of Participation

FCC Section 15.307(b) Affidavit

I, Michael Stima, Managing Director of UTAM, Inc., hereby swear and affirm that:

DeTeWe Systems GmbH

is a participating member of UTAM, Inc. in good standing for purposes of Section 15.307(b) of the FCC rules.

Subscribed to and sworn this 15th day of November, 2006

Michael Stima, Managing Director

UTAM, Inc.

1170 U.S. Hwy 22 P.O. Box 8126

Bridgewater, New Jersey 08807

Tel: (508) 526-3636

Affidavit #: AAST110806-1



Appendix C

Reference to Subpart B



Appendix D

Conducted limits AC Power line

EMI voltage test in the ac-mains according to FCC part 15

EUT:

UPCS IP base

Manufacturer:

DeTeWe Systems GmbH

Operating Condition: Unom: 120 V AC, Tnom: 23°C

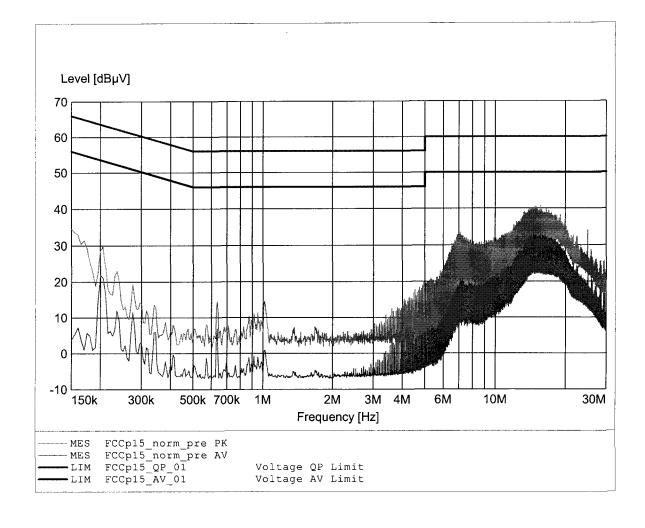
Test Site:

ETS

Operator:

Mr. Pflug

Test Specification: V-Network: ESH2-Z5 (L1)
Comment: model: RFP 32



EMI voltage test in the ac-mains according to FCC part 15

EUT:

UPCS IP base

Manufacturer:

DeTeWe Systems GmbH

Operating Condition: Unom: 120 V AC, Tnom: 23°C

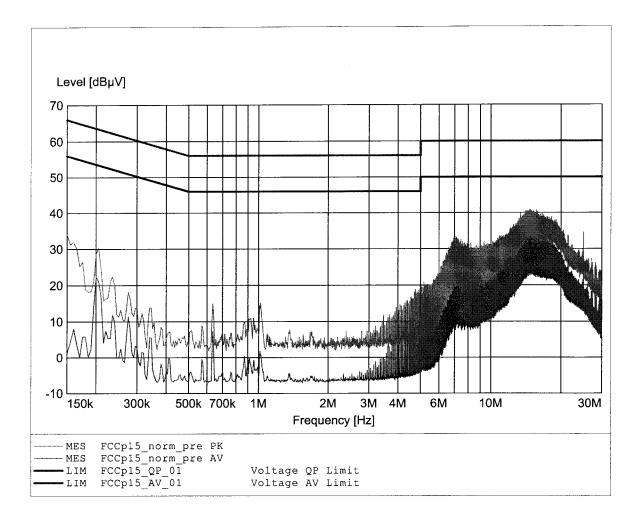
Test Site:

ETS

Operator:

Mr. Pflug

Test Specification: V-Network: ESH2-Z5 (N) model: RFP 32





Appendix E

Emission bandwidth



FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3 UPCS

EUT

UPCS IP base

Model

RFP 32

Applicant

DeTeWe Systems GmbH

Temperature

23°C

Test Site / Operator

ETS Reichenwalde

Test Specification

6.1.3 Emission bandwidth

Measured Bandwidth

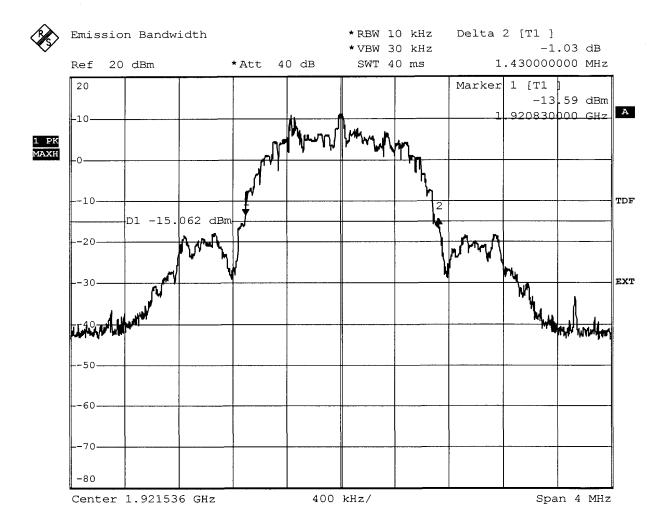
Emission Bandwidth = 1.43MHz

Max. Permitted Power

Limit = 2.5 MHz

Test result

Verdict = PASS



Comment: Ansi C63.17-1998 6.1.3 Date: 14.AUG.2006 10:03:31



Additional values as required for the detailed threshold monitoring bandwidth test ANSI $C63.17-1988\ 7.4.2$

-6 dB points

Lower frequency

: 1921.11MHz

Higher frequency

: 1921.898MHz

-12 dB points

Lower frequency

: 1920.946MHz

Higher frequency

: 1922.132MHz



FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3 UPCS

EUT UPCS IP base

Model RFP 32

Applicant DeTeWe Systems GmbH

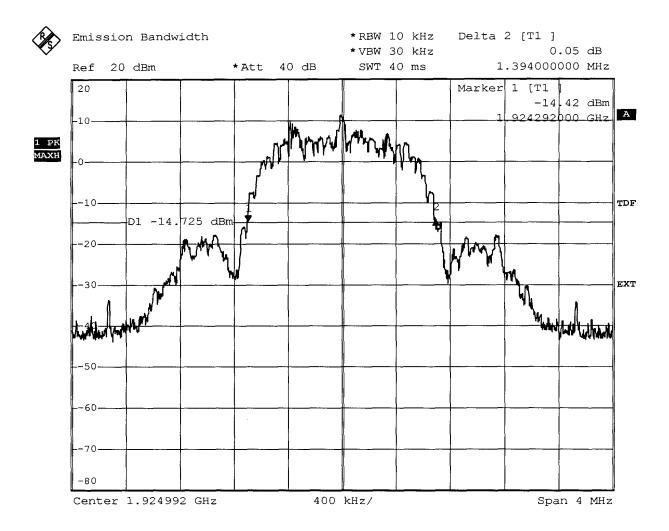
Temperature 23°C

Test Site / Operator ETS Reichenwalde

Test Specification 6.1.3 Emission bandwidth

Measured Bandwidth Emission Bandwidth = 1.39MHz

Max. Permitted Power Limit = 2.5 MHz



Comment: Ansi C63.17-1998 6.1.3 Date: 14.AUG.2006 10:12:22



Additional values as required for the detailed threshold monitoring bandwidth test ANSI $C63.17-1988\ 7.4.2$

-6 dB points

Lower frequency

: 1924.566MHz

Higher frequency

: 1925.342MHz

-12 dB points

Lower frequency

: 1924.392MHz

Higher frequency

: 1925.578MHz



FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3 UPCS

EUT UPCS IP base

Model RFP 32

Applicant DeTeWe Systems GmbH

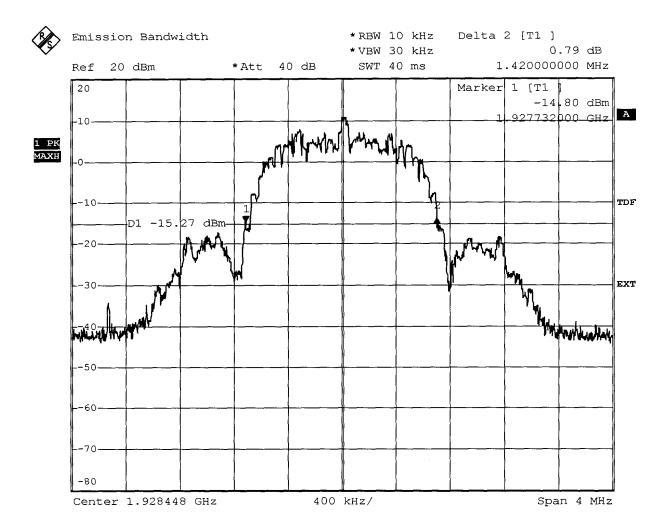
Temperature 23°C

Test Site / Operator ETS Reichenwalde

Test Specification 6.1.3 Emission bandwidth

Measured Bandwidth Emission Bandwidth = 1.42MHz

Max. Permitted Power Limit = 2.5 MHz



Comment: Ansi C63.17-1998 6.1.3 Date: 14.AUG.2006 10:07:25



Additional values as required for the detailed threshold monitoring bandwidth test ANSI C63.17-1988 7.4.2

-6 dB points

Lower frequency

: 1928.056MHz

Higher frequency

: 1928.894MHz

-12 dB points

Lower frequency

: 1927.864MHz

Higher frequency

: 1929.052MHz



Appendix F

Peak Transmit Power



Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT

UPCS IP base

Model

RFP 32

Applicant

DeTeWe Systems GmbH

Temperature

23°C

Test Site / Operator

ETS Reichenwalde

Test Specification

6.1.2 Peak transmit power

Supply

Vnom (48V) 1.43MHz

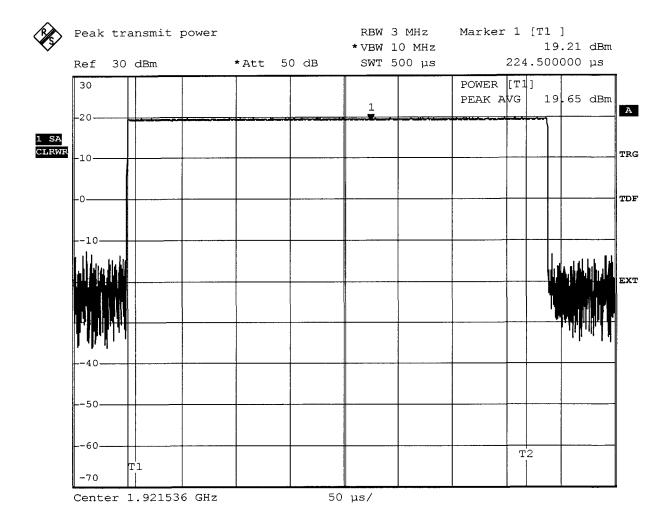
Measured Bandwidth Max. Permitted Power 20,77 dBm

Measured Power

19,65 dBm

Test result

Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2 16.AUG.2006 11:57:35 Date:



Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT

UPCS IP base

Model

RFP 32

Applicant

DeTeWe Systems GmbH

Temperature

23°C

Test Site / Operator

ETS Reichenwalde

Test Specification

6.1.2 Peak transmit power

Supply

Vnom (48V) 1.43MHz

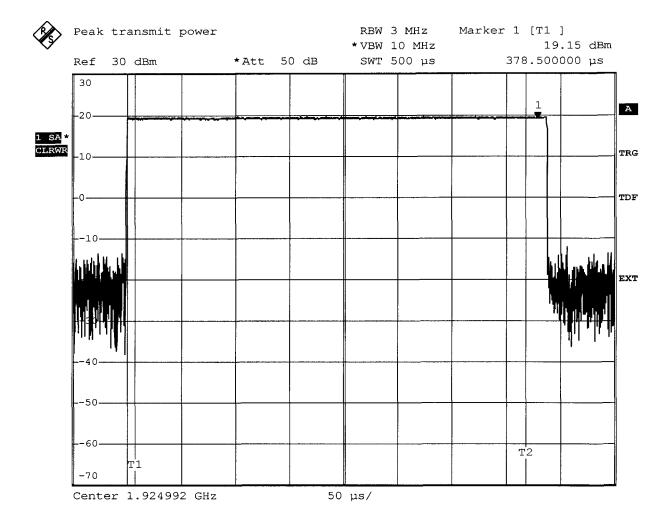
Measured Bandwidth Max. Permitted Power 20,77 dBm

Measured Power

19,63 dBm

Test result

Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2 16.AUG.2006 11:46:35 Date:



Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT UPCS IP base

Model RFP 32

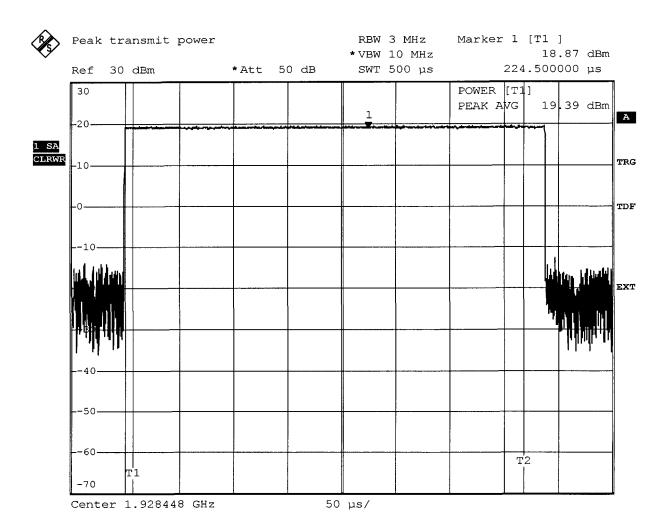
Applicant DeTeWe Systems GmbH

Temperature 23°C

Test Site / Operator ETS Reichenwalde

Test Specification 6.1.2 Peak transmit power

Supply Vnom (48V)
Measured Bandwidth 1.43MHz
Max. Permitted Power 20,77 dBm
Measured Power 19,39 dBm
Test result Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2 Date: 16.AUG.2006 12:37:05



Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT UPCS IP base

Model RFP 32

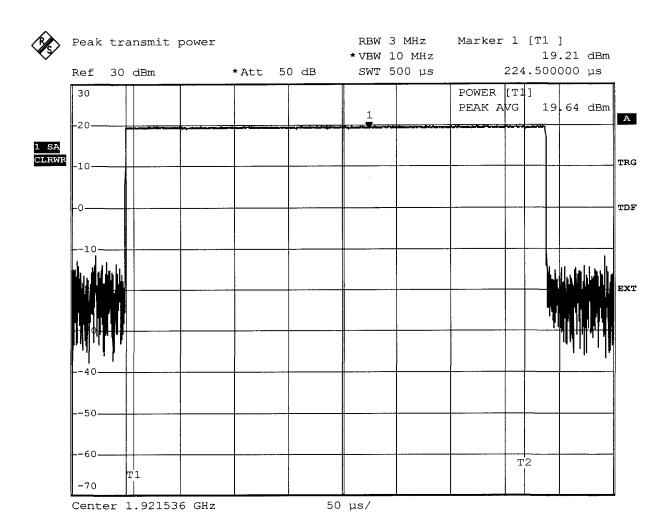
Applicant DeTeWe Systems GmbH

Temperature 23°C

Test Site / Operator ETS Reichenwalde

Test Specification 6.1.2 Peak transmit power

Supply Vmax (52V)
Measured Bandwidth 1.43MHz
Max. Permitted Power 20,77 dBm
Measured Power 19,64 dBm
Test result Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2 Date: 16.AUG.2006 11:55:48



Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT

UPCS IP base

Model

RFP 32

Applicant

DeTeWe Systems GmbH

Temperature

23°C

Test Site / Operator

ETS Reichenwalde

Test Specification

6.1.2 Peak transmit power

Supply

Vmax (52V) 1.43MHz

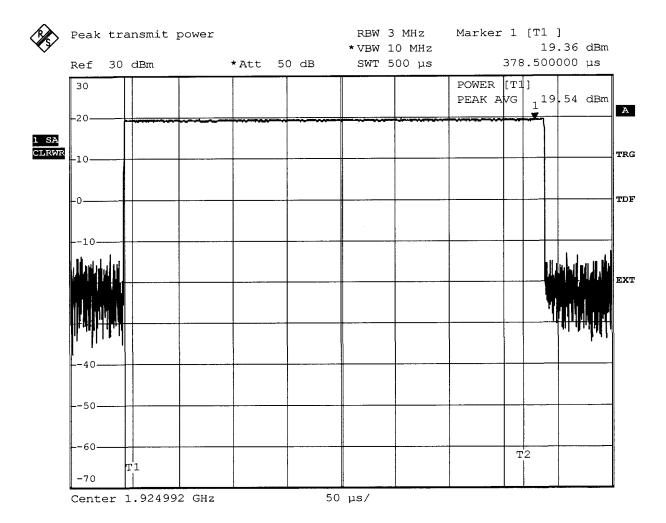
Measured Bandwidth Max. Permitted Power 20,77 dBm

Measured Power

19,54 dBm

Test result

Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2 16.AUG.2006 11:53:01 Date:



Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT

UPCS IP base

Model

RFP 32

Applicant

DeTeWe Systems GmbH

Temperature

23°C

Test Site / Operator

ETS Reichenwalde

Test Specification

6.1.2 Peak transmit power

Supply

Vmax (52V) 1.43MHz

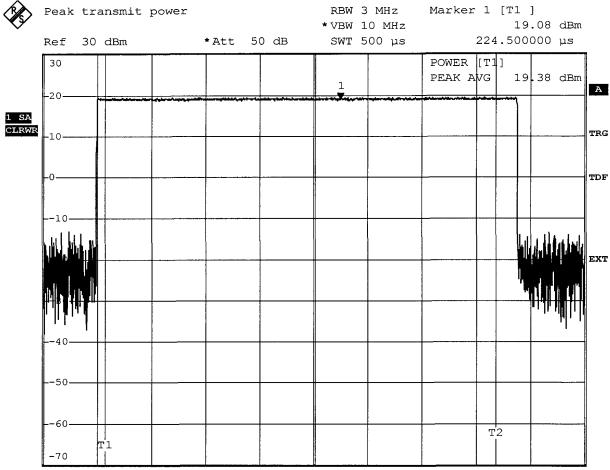
Measured Bandwidth Max. Permitted Power 20,77 dBm

Measured Power

19,42 dBm

Test result

Verdict = PASS



Center 1.928448 GHz

50 µs/

Date:

Comment: Ansi C63.17-1998 6.1.2 16.AUG.2006 12:38:44



Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT UPCS IP base

Model RFP 32

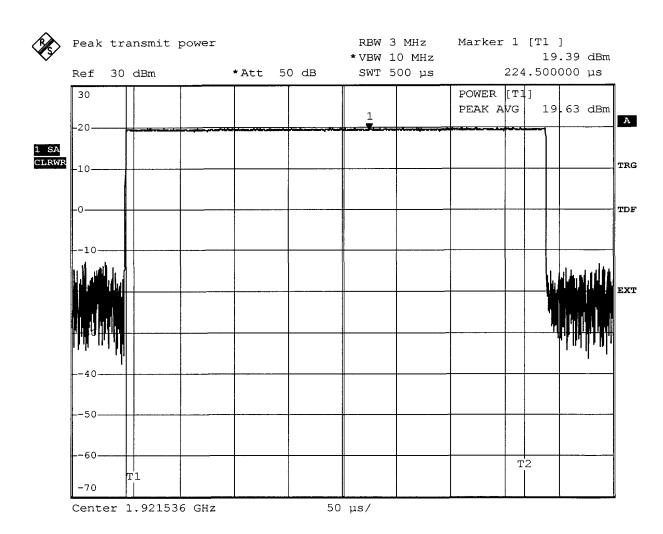
Applicant DeTeWe Systems GmbH

Temperature 23°C

Test Site / Operator ETS Reichenwalde

Test Specification 6.1.2 Peak transmit power

Supply Vmin (35V)
Measured Bandwidth 1.43MHz
Max. Permitted Power 20,77 dBm
Measured Power 19,63 dBm
Test result Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2 Date: 16.AUG.2006 11:59:21



Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT UPCS IP base

Model RFP 32

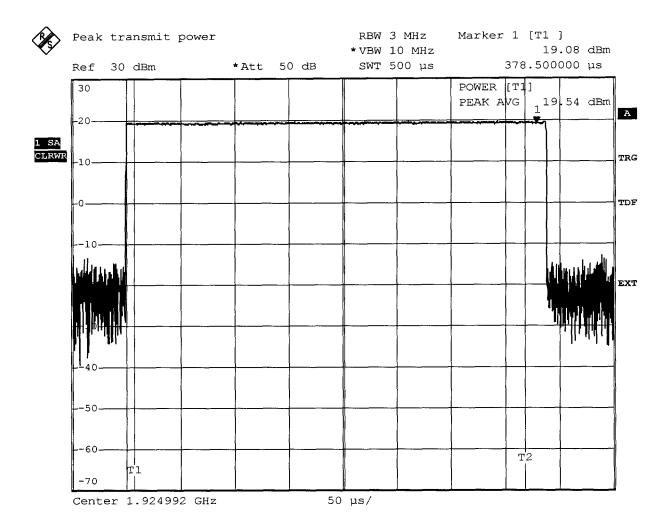
Applicant DeTeWe Systems GmbH

Temperature 23°C

Test Site / Operator ETS Reichenwalde

Test Specification 6.1.2 Peak transmit power

Supply V min (35V)
Measured Bandwidth 1.43MHz
Max. Permitted Power 20,77 dBm
Measured Power 19,54 dBm
Test result Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2 Date: 16.AUG.2006 11:51:04



Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT

UPCS IP base

Model

RFP 32

Applicant

DeTeWe Systems GmbH

Temperature

Test Site / Operator

ETS Reichenwalde

Test Specification

6.1.2 Peak transmit power

Supply Measured Bandwidth Vmin (35V) 1.43MHz

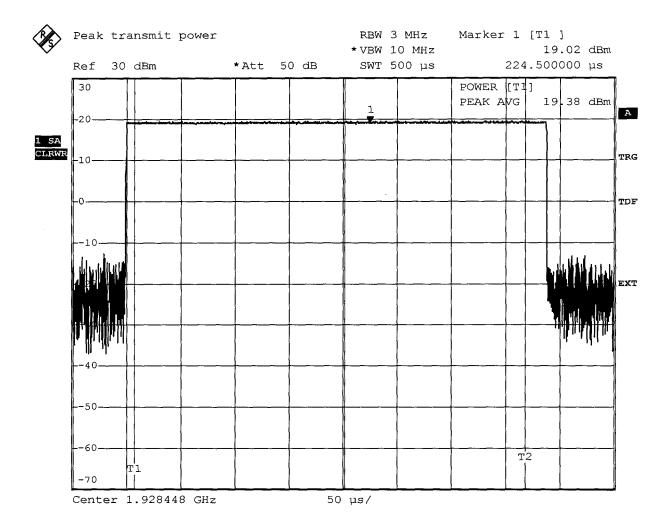
Max. Permitted Power 20,77 dBm

Measured Power

19.38 dBm

Test result

Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2 Date: 16.AUG.2006 12:35:50



Appendix G

Power spectral density



FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-2006 6.1.5 UPCS

EUT

UPCS IP base

Model

RFP 32

Applicant

DeTeWe Systems GmbH

Temperature

23°C

Test Site / Operator **Test Specification**

ETS Reichenwalde

Peak Frequency in MHz

6.1.5 Power spectral density

Total pulse energy in mW

1921,548000 MHz

Wideband pulse duration in ms 0,388500 ms

0,000194 mW

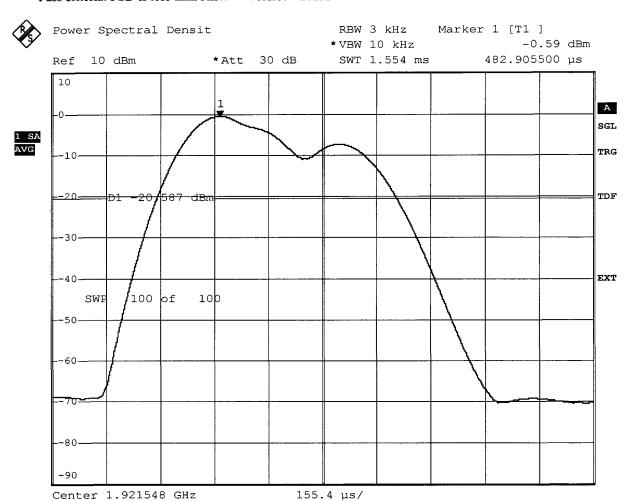
PSD in mW

0,4984 mW

PSD in dBm

-3,0239 dBm

Pass criteria: PSD is less than 3mW Verdict = PASS



Comment: Ansi C63.17-2006 6.1.5 14.AUG.2006 10:41:43

Date:

Measurement diagram



FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-2006 6.1.5 UPCS

EUT UPCS IP base Model RFP 32

Applicant DeTeWe Systems GmbH

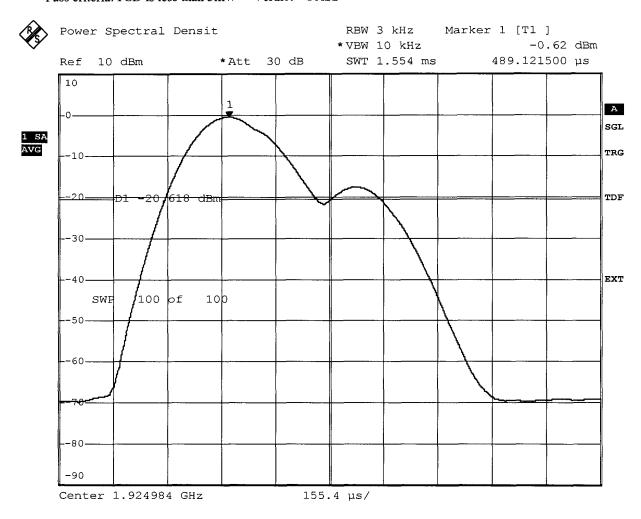
Temperature 23°C

Test Site / Operator ETS Reichenwalde

Test Specification 6.1.5 Power spectral density

Peak Frequency in MHz
Total pulse energy in mW
Wideband pulse duration in ms
PSD in mW
PSD in dBm
1924,984000 MHz
0,000145 mW
0,388500 ms
0,3745 mW
-4,2656 dBm

Pass criteria: PSD is less than 3mW Verdict = PASS



Comment: Ansi C63.17-2006 6.1.5 Date: 14.AUG.2006 10:35:13 

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-2006 6.1.5 UPCS

EUT UPCS IP base

Model RFP 32

Applicant DeTeWe Systems GmbH

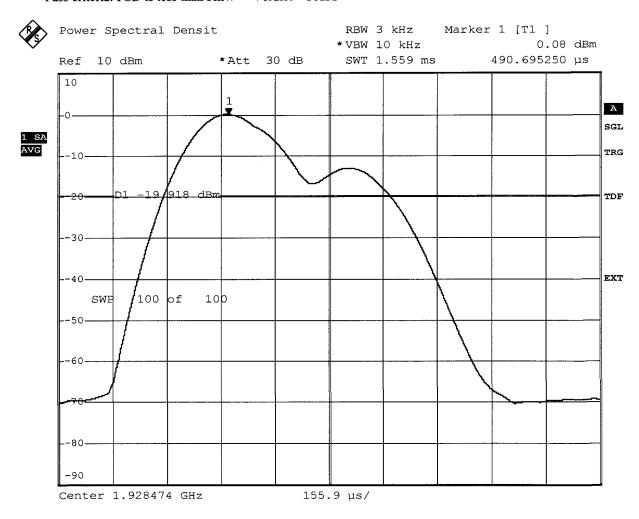
Temperature 23°C

Test Site / Operator ETS Reichenwalde

Test Specification 6.1.5 Power spectral density

Peak Frequency in MHz
Total pulse energy in mW
Wideband pulse duration in ms
PSD in mW
PSD in dBm
1928,474000 MHz
0,000180 mW
0,389750 ms
0,4618 mW
-3,3550 dBm

Pass criteria: PSD is less than 3mW Verdict = PASS



Comment: Ansi C63.17-2006 6.1.5 Date: 14.AUG.2006 10:44:58



Appendix H

Directional gain of the antenna



Appendix I

Radio frequency radiation exposure

FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

Approval Holder:

EUT:

IP - USA (UPCS)

Model / Ch.::

RFP 32 / Ch.: 4 / slot 0 / antenna 0

Test Site / Operator:

ETS / Mr. Cersovsky

Test Conditions:

23°C / Unom.:

POL

Test Specification:

Fully anechoic chamber / mode:

Tx

Dist.: 3m, Ant.: HL 025,

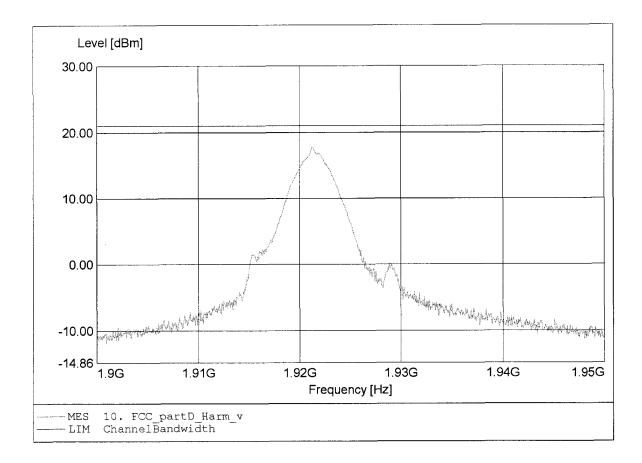
Comment 1:

Dist.: 3m, Ant.: HL 025,

Freq:1 921GHz Pmax:17.73dBm RBW: 5 MHz

Comment 2:

Freq:1.921GHz Pmax:17.73dBm RBW: 5 MHz



FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

Approval Holder:

EUT:

IP - USA (UPCS)

Model / Ch.::

RFP 32 / Ch.: 4 / slot 0 / antenna 0

Test Site / Operator:

ETS / Mr. Cersovsky

Test Conditions:

23°C / Unom.:

POL

Test Specification:

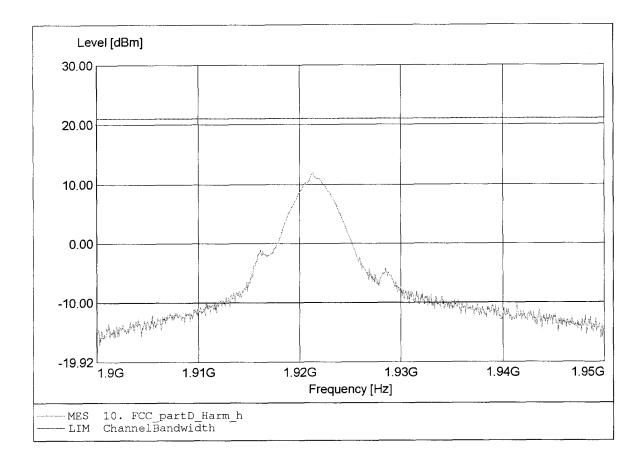
Fully anechoic chamber / mode:

Comment 1:

Dist.: 3m, Ant.: HL 025,

Comment 2:

Freq:1.921GHz Pmax:11.95dBm RBW: 5 MHz

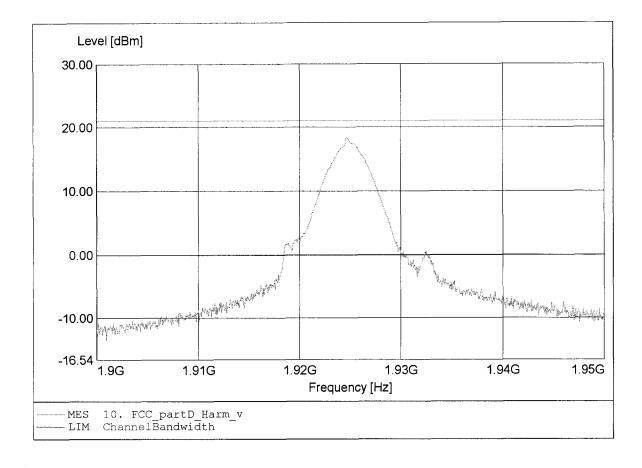


FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

Approval Holder: Defewe
EUT: IP - USA (UPCS)
Model / Ch.:: RFP 32 / Ch.: 2 / slot 0 / antenna 0
Test Site / Operator: ETS / Mr. Cersovsky
Test Conditions: 23°C / Unom.: POL
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:18.30dBm RBW: 5 MHz



FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

Approval Holder.

Defende

EUT:

IP - USA (UPCS)

Model / Ch.::

RFP 32 / Ch.: 2 / slot 0 / antenna 0

Test Site / Operator:

ETS / Mr. Cersovsky

Test Conditions:

23°C / Unom.:

Pol

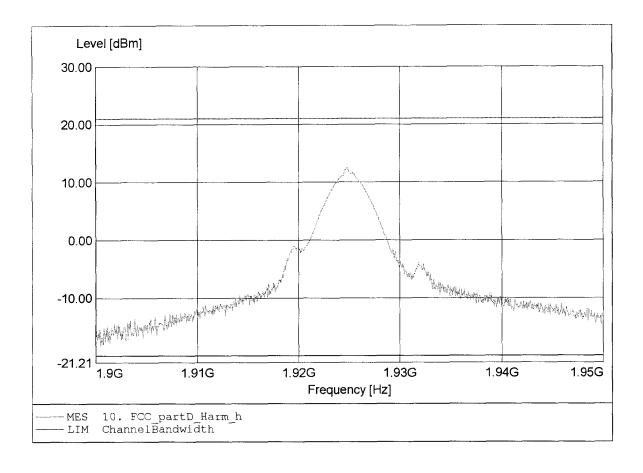
Test Specification:

Fully anechoic chamber / mode: Tx

Comment 1:

Comment 2:

23°C , Fully anechoic chamber , Dist.: 3m, Ant.: HL 025, Freq:1.925GHz Pmax:12.47dBm RBW: 5 MHz



FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

Approval Holder: Defewe

EUT: IP - USA (UPCS)

Model / Ch.:: RFP 32 / Ch.: 0 / slot 0 / antenna 0

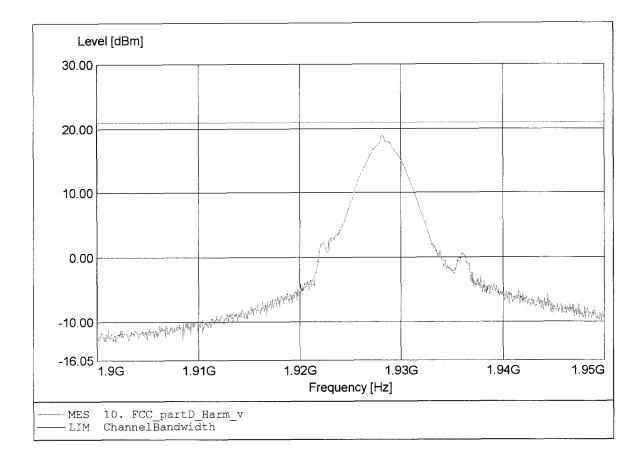
Test Site / Operator: ETS / Mr. Cersovsky

Test Conditions: 23°C / Unom.: POL

Test Specification: Fully anechoic chamber / mode: Tx

Comment 1: Dist.: 3m, Ant.: HL 025,

Comment 2: Freq:1.928GHz Pmax:18.94dBm RBW: 5 MHz



FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

Approval Holder: Defewe

EUT: IP - USA (UPCS)

Model / Ch.:: RFP 32 / Ch.: 0 / slot 0 / antenna 0

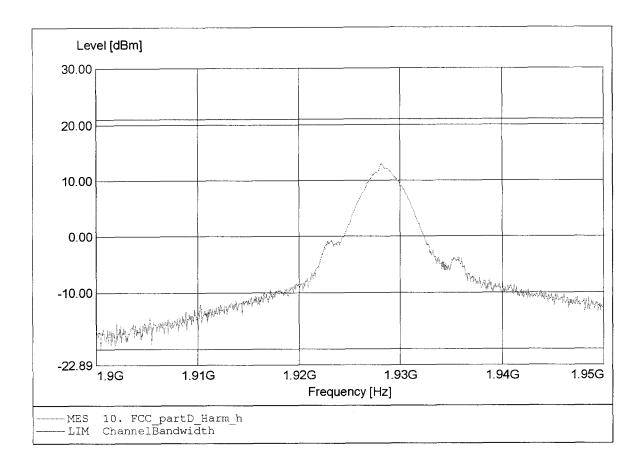
Test Site / Operator: ETS / Mr. Cersovsky

Test Conditions: 23°C / Unom.: POL

Test Specification: Fully anechoic chamber / mode: Tx

Comment 1: Dist.: 3m, Ant.: HL 025,

Comment 2: Freq:1.928GHz Pmax:12.99dBm RBW: 5 MHz



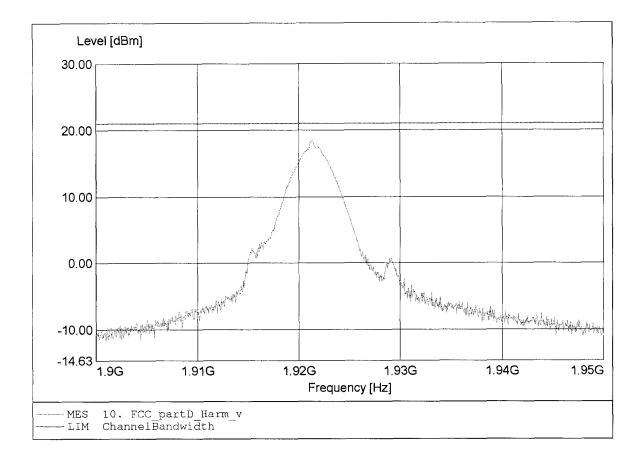
FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

EUT: IP - USA (UPCS)
Model / Ch.:: RFP 32 / Ch.: 4 / slot 0 / antenna 1
Test Site / Operator: ETS / Mr. Cersovsky

Test Conditions: 23°C / Unom.: POL
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.921GHz Pmax:18.52dBm RBW: 5 MHz



FCC RULES PART 15, SUBPART D

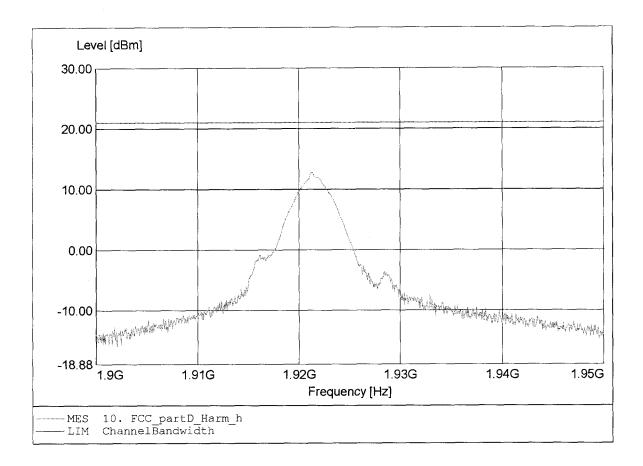
Approval Holder:

DeTeWe

EUT: IP - USA (UPCS)
Model / Ch.:: RFP 32 / Ch.: 4 / slot 0 / antenna 1
Test Site / Operator: ETS / Mr. Cersovsky

Comment 2:

Test Conditions: 23°C / Unom.: POL
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Proc.: 1 2016/21-7 Freq:1.921GHz Pmax:12.79dBm RBW: 5 MHz



FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

Approval Holder: DeTewe

EUT: IP - USA (UPCS)

Model / Ch.:: RFP 32 / Ch.: 2 / slot 0 / antenna 1

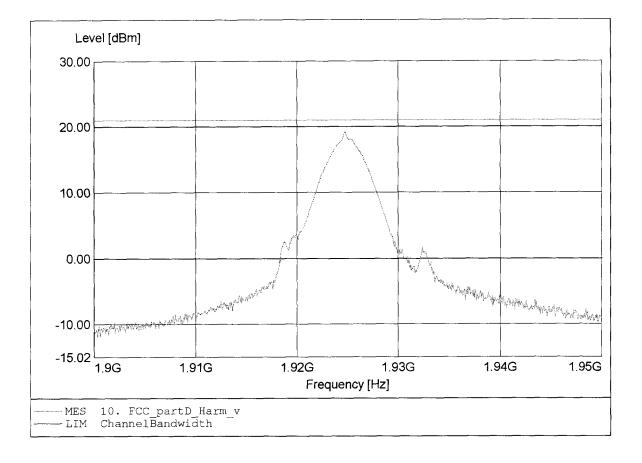
Test Site / Operator: ETS / Mr. Cersovsky

Test Conditions: 23°C / Unom.: POL

Test Specification: Fully anechoic chamber / mode: Tx

Comment 1: Dist.: 3m, Ant.: HL 025,

Comment 2: Freq:1.925GHz Pmax:19.19dBm RBW: 5 MHz



FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

Approval Holder:

EUT:

IP - USA (UPCS)

Model / Ch.::

RFP 32 / Ch.: 2 / slot 0 / antenna 1

Test Site / Operator:

ETS / Mr. Cersovsky

Test Conditions:

23°C / Unom.:

POL

Test Specification:

Fully anechoic chamber / mode: Tx

Test Conditions:

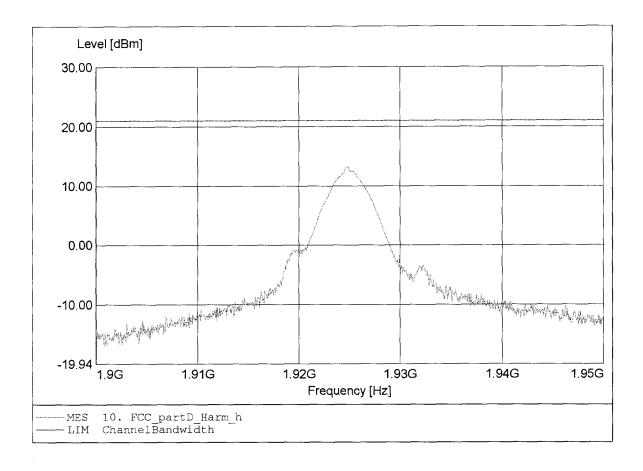
Test Specification:

Test Specification:

Comment 1:

Dist.: 3m, Ant.: HL 025,

Freq:1.925GHz Pmax:13.28dBm RBW: 5 MHz

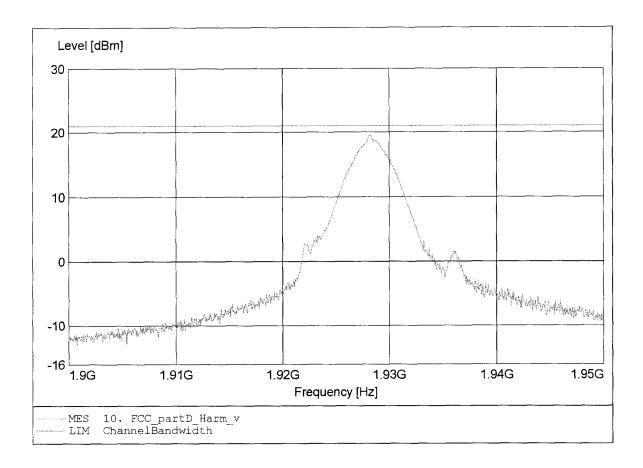


FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

Approval Holder: Delewe
EUT: IP - USA (UPCS)
Model / Ch.:: RFP 32 / Ch.: 0 / slot 0 / antenna 1
Test Site / Operator: ETS / Mr. Cersovsky
Test Conditions: 23°C / Unom.: POL
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.928GHz Pmax:19.55dBm RBW: 5 MHz



FCC RULES PART 15, SUBPART D

Approval Holder:

DeTeWe

EUT: IP - USA (UPCS)

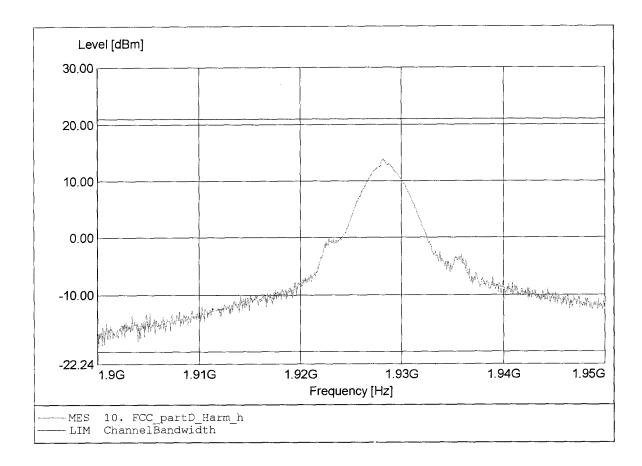
Model / Ch.:: RFP 32 / Ch.: 0 / slot 0 / antenna 1

Test Site / Operator: ETS / Mr. Cersovsky

Test Conditions: 23°C / Unom.: POL

Test Specification: Fully anechoic chamber / mode: Tx Test Conditions: 25 C ,
Test Specification: Fully anechoic chamber ,
Dist.: 3m, Ant.: HL 025,

Freq:1.928GHz Pmax:13.95dBm RBW: 5 MHz





FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-2006 6.1.5 UPCS

EUT UPCS IP base Model RFP 32

Applicant DeTeWe Systems GmbH

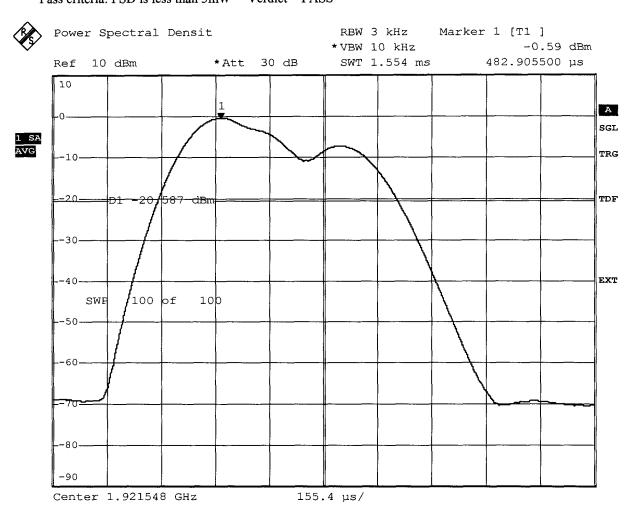
Temperature 23°C

Test Site / Operator ETS Reichenwalde

Test Specification 6.1.5 Power spectral density

Peak Frequency in MHz
Total pulse energy in mW
Wideband pulse duration in ms
PSD in mW
PSD in dBm
1921,548000 MHz
0,000194 mW
0,388500 ms
0,4984 mW
-3,0239 dBm

Pass criteria: PSD is less than 3mW Verdict = PASS



Comment: Ansi C63.17-2006 6.1.5 Date: 14.AUG.2006 10:41:43



FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-2006 6.1.5 UPCS

EUT

UPCS IP base

Model

RFP 32

Applicant

DeTeWe Systems GmbH

Temperature

23°C

Test Site / Operator

ETS Reichenwalde

Test Specification

6.1.5 Power spectral density

Peak Frequency in MHz Total pulse energy in mW 1924,984000 MHz

Wideband pulse duration in ms 0,388500 ms

0,000145 mW

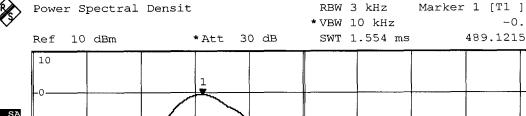
PSD in mW

0,3745 mW

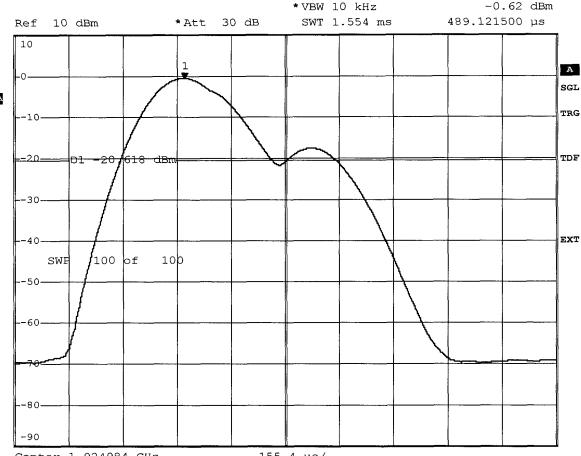
PSD in dBm

-4,2656 dBm

Pass criteria: PSD is less than 3mW Verdict = PASS







Center 1.924984 GHz

155.4 µs/

Comment: Ansi C63.17-2006 6.1.5 14.AUG.2006 10:35:13 Date:



FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-2006 6.1.5 UPCS

EUT

UPCS IP base

Model

RFP 32

Applicant

DeTeWe Systems GmbH

Temperature

23°C

Test Site / Operator

ETS Reichenwalde

Test Specification

6.1.5 Power spectral density

Peak Frequency in MHz Total pulse energy in mW 1928,474000 MHz 0,000180 mW

Wideband pulse duration in ms 0,389750 ms

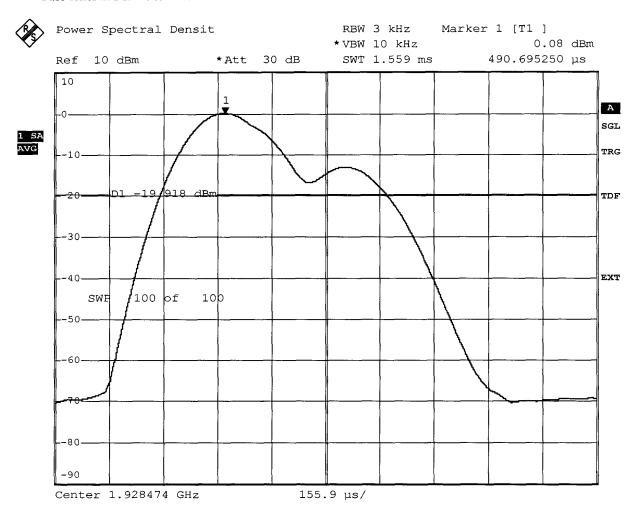
PSD in mW

0,4618 mW

PSD in dBm

-3,3550 dBm

Pass criteria: PSD is less than 3mW Verdict = PASS



Comment: Ansi C63.17-2006 6.1.5 14.AUG.2006 10:44:58 Date:



Appendix J

Monitoring threshold



Rev. Draft ANSI_7.3.3_least_interfered_channel.xml

Date 14.08.2006 12:31:12

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

7.3.3_b

UPCS IP base

DeTeWe Systems GmbH

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm					
	RMS in dBm					
00:25:04.5468750	-86	-84,7	-85,1	-86,9	-87,5	Interferer off
	-95,8	-95,6	-95,8	-95,7	-95,8	
00:25:27.9843750	-60	-59,8	-59,7	-71,5	-77	Interferer on
	-60,3	-60,2	-60,1	-73,1	-79,9	
00:32:28.3281250	-58,4	-57,6	-56,8	-51,2	-22,7	OK 1
	-60,2	-60,1	-60	-71,4	-41,5	
00:33:46.6718750	-59,9	-59,8	-59,8	-71,6	-76,9	
	-60,3	-60,2	-60,1	-73,1	-79,9	
00:46:11.8437500	-58,4	-57,2	-57,8	-50	-30,4	OK 2
	-60,1	-60,1	-60	-71,3	-48,3	
00:46:46.0312500	-59,9	-59,9	-59,7	-71,4	-77,2	
	-60,3	-60,2	-60,1	-73,1	-80	<u></u>
01:20:02.0312500	-58,6	-57,9	-57,3	-53,5	-21,3	OK 3
	-60,2	-60,1	-60	-70,2	-38,8	
01:20:15.7343750	-60	-59,9	-59,8	-71,8	-76,8	
	-60,4	-60,3	-60,2	-73,1	-80	
01:20:27.2343750	-59,8	-59,7	-59,6	-70,4	-30,2	OK 4
	-60,2	-60,1	-60	-73	-48,2	
01:20:36.5937500	-59,9	-59,9	-59,8	-71,5	-77	
	-60,3	-60,2	-60,2	-73,1	-79,9	<u> </u>
01:20:45.3593750	-58,6	-58,1	-56,9	-68,7	-30	OK 5
	-60,2	-60,1	-60	-73	-48,3	



Rev. Draft ANSI_7.3.3_least_interfered_channel.xml

Date 14.08.2006 12:59:05

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

7.3.3_c

UPCS IP base

DeTeWe Systems GmbH

The LOG table shows the level changes on each Channel of the transmission system

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm					
	RMS in dBm					
00:18:06.3281250	-86	-86,7	-86,4	-86	-85,5	Interferer off
	-95,7	-95,5	-95,5	-95,6	-95,7	
00:18:13.3906250	-60	-59,9	-62,7	-77	-71,7	Interferer on
	-60,3	-60,2	-63,2	-79,8	-73,1	
00:18:35.9531250	-58,2	-56	-48,8	-21,8	-51,1	OK 1
	-60,2	-60,2	-62,8	-38,6	-70,6	
00:18:42.9687500	-59,9	-59,8	-62,7	-76,9	-71,8	
	-60,3	-60,2	-63,2	-79,9	-73,1	
00:18:58.6875000	-58	-56,7	-55,2	-22,1	-53	OK 2
	-60,2	-60,2	-62,9	-38,9	-70,8	
00:19:03.2656250	-59,9	-59,8	-62,6	-76,5	-71,7	
	-60,3	-60,2	-63,2	-79,9	-73,1	
00:19:15.9843750	-57,8	-57,2	-53,2	-22,6	-53,8	OK 3
	-60,2	-60,2	-62,9	-39	-70,6	
00:19:21.9375000	-59,9	-59,8	-62,7	-76,9	-71,7	
	-60,3	-60,2	-63,2	-79,9	-73,1	
00:19:45.6718750	-57,8	-57,1	-48,5	-22,2	-50,5	OK 4
	-60,2	-60,2	-62,7	-39	-70,6	<u></u>
00:19:50.3437500	-59,9	-59,9	-62,6	-77,2	-71,8	
	-60,3	-60,2	-63,2	-79,9	-73,1	
00:20:05.9687500	-57,7	-57,1	-51,9	-21,8	-53,1	OK 5
	-60,2	-60,2	-62,8	-38,8	-70,5	



Rev. Draft ANSI_7.3.3_least_interfered_channel.xml

Date 14.08.2006 13:04:23

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

7.3.3_d

UPCS IP base

DeTeWe Systems GmbH

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm					
	RMS in dBm					
00:23:12.8906250	-86,2	-86,7	-86,9	-85,6	-86	Interferer off
	-95,7	-95,7	-95,7	-95,7	-95,8	
00:23:20.5937500	-59,8	-59,9	-59,8	-76,4	-80,9	Interferer on
	-60,3	-60,2	-60,1	-78,8	-85,8	
00:23:50.3593750	-58,3	-57,8	-57,2	-50,8	-22,3	OK 1
	-60,2	-60,2	-60,1	-72,5	-39,1	<u></u>
00:23:59.2343750	-59,9	-59,9	-59,8	-76	-81,1	
00. 12 103.125 to 100	-60,3	-60,2	-60,2	-78,8	-85,7	L
00:24:13.7656250	-58	-58,2	-57	-49,4	-21,7	OK 2
	-60,2	-60,1	-60,1	-72,4	-39,1	
00:24:16.9687500	-60	-59,7	-59,8	-76,4	-80,5	
	-60,3	-60,2	-60,2	-78,8	-85,7	
00:24:38.4375000	-58,3	-57,7	-56,8	-52,5	-22,5	OK 3
	-60,2	-60,2	-60,1	-72,7	-39	
00:24:41.1093750	-59,9	-59,9	-59,8	-76	-80,7	
	-60,3	-60,2	-60,1	-78,8	-85,8	
00:24:58.4531250	-58,4	-57,5	-56,7	-54,7	-22,2	OK 4
	-60,2	-60,2	-60,1	-73,1	-39	
00:25:04.3125000	-59,9	-59,9	-59,8	-76,3	-81	
	-60,3	-60,2	-60,1	-78,8	-85,8	
00:25:19.0156250	-58,3	-57,6	-55,1	-52,4	-21,9	OK 5
	-60,2	-60,1	-60,1	-72,5	-38,9	



Rev. Draft ANSI_7.3.3_least_interfered_channel.xml

Date 14.08.2006 13:12:58

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

7.3.3_e

UPCS IP base

DeTeWe Systems GmbH

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm					
	RMS in dBm					
00:00:28.7656250	-85,8	-85,2	-85,6	-86	-85,5	Interferer off
	-95,7	-95,6	-95,8	-95,6	-95,9	
00:00:37.7031250	-59,9	-59,8	-59,8	-80,6	-76,2	Interferer on
	-60,3	-60,2	-60,1	-85,6	-79	
00:00:48.0468750	-57	-56,8	-52	-22,5	-50,1	OK 1
	-60,2	-60,2	-59,9	-38,7	-72,7	
00:00:54.5468750	-59,9	-59,9	-59,8	-80,1	-76,3	
	-60,3	-60,2	-60,2	-85,6	-79	
00:01:10.4375000	-56,9	-56,4	-49,7	-21,8	-53	OK 2
	-60,2	-60,1	-59,9	-38,8	-72,9	
00:01:13.8437500	-59,9	-59,8	-59,8	-80,7	-76,3	
	-60,3_	-60,2	-60,1	-85,5	-79	
00:01:27.7187500	-58,2	-57,2	-51,3	-22,3	-51,1	OK 3
	-60,2	-60,1	-59,9	-38,9	-72,8	
00:01:34.2187500	-59,9	-59,8	-59,9	-81,2	-76,1	
	-60,3	-60,2	-60,1	-85,7	-79,1	
00:01:45.7500000	-57,9	-56,3	-51,9	-22	-53,3	OK 4
	-60,2	-60,1	-60	-39	-73,4	
00:01:48.0625000	-59,9	-59,9	-59,8	-80,6	-76	
	-60,3	-60,2	-60,2	-85,6	-79	
00:02:11.2500000	-57,2	-56,3	-52,7	-22,3	-54,2	OK 5
	-60,2	-60,1	-59,9	-38,9	-73,3	



Rev. Draft ANSI_7.3.2_upper_threshold.xml

Date 14.08.2006 11:19:41

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

initial setup

UPCS IP base

DeTeWe Systems GmbH

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm					
	RMS in dBm					
00:05:46.8437500	-49,8	-49,7	-49,9	-49,6	-49,6	-50 dBm
	-49,9	-49,9	-50,1	-49,7	-49,7	<u> </u>
00:06:04.9062500	-50,8	-50,7	-50,9	-50,7	-50,6	-51 dBm
	-50,9	-50,9	-51,1	-50,8	-50,7	
00:06:19.9218750	-51,7	-51,7	-51,9	-51,7	-51,6	-52 dBm
	-51,9	-51,9	-52,1	-51,9	-51,7	
00:06:41.5625000	-52,7	-52,7	-52,9	-52,7	-52,6	-53 dBm
	-52,9	-52,9	-53,1	-52,8	-52,7	
00:06:55.3906250	-53,7	-53,6	-53,9	-53,6	-53,6	-54 dBm
	-53,9	-53,9	-54,1	-53,8	-53,7	
00:07:14.3593750	-54,6	-54,5	-54,8	-54,6	-54,5	-55 dBm
	-54,8	-54,8	-55,1	-54,8	-54,7	
00:07:26.7187500	-55,5	-55,5	-55,5	-55,6	-55,4	-56 dBm
	-55,8	-55,8	-55,8	-55,8	-55,6	
00:07:41.4843750	-56,5	-56,4	-56,5	-56,4	-56,4	-57 dBm
	-56,8	-56,7	-56,8	-56,7	-56,6	
00:07:55.8593750	-57,5	-57,5	-57,5	-57,3	-57,3	-58 dBm
	-57,8	-57,7	-57,8	-57,7	-57,6	
00:08:40.6250000	-57,2	-56,3	-56,1	-56,3	-56,2	-59 dBm
	-59,9	-59,8	-59,6	-59,8	-59,7	
00:08:53.3125000	-57,6	-56,2	-50,6	-22,4	-22,1	Upper
	-59,9	-59,8	-59,7	-41,8	-41,8	threshold level: -60.0 dBm



Appendix K

Monitoring of intended transmit window and maximum reaction time



Rev. Draft ANSI_7.5_reaction_time_high_ch.xml

Date 14.08.2006 14:22:02

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

7.5_high_ch_35us

UPCS IP base

DeTeWe Systems GmbH

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm					
	RMS in dBm					
00:02:10.1250000	-86,6	-86,3	-87,3	-86,5	-86,5	Interferer off
	-95,6	-95,7	-95,7	-95,6	-95,7	
00:02:18.8750000	-70,8	-66,5	-65,8	-54,4	-22,1	Dummy on
	-89,5	-86,5	-84,5	-73,7	-38,7	channel 0
00:02:53.5000000	-56,8 -57,2	-56,9 -57,2	-56,8 -57,1	-56,7 -57	-52,3 -68,5	50µs interference on, Dummy release
00:03:07.1875000	-21,8 -41,9	-55,6 -76,4	-64,7 -84	-53,7 -76,6	-22,5 -41,9	Interferer off
00:03:13.5937500	-56,9 -57,2	-56,9 -57,2	-56,8 -57,1	-56,7 -57	-47,2 -64	35µs interference on, Dummy release



Rev. Draft ANSI_7.5_reaction_time_low_ch.xml

Date 14.08.2006 14:29:10

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

7.5_low_ch_50 / 35us

UPCS IP base

DeTeWe Systems GmbH

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm					
	RMS in dBm					
00:07:00.2656250	-86,3	-86,3	-85,8	-86,3	-86,5	Interferer off
	-95,6	-95,6	-95,8	-95,6	-95,8	
00:07:09.6250000	-71,6	-68,9	-63,8	-54,6	-22,1	Dummy on
00.07.03.020	-89,3	-87,2	-83,3	-73,8	-38,8	channel 0
00:07:34.0156250	-53,8 -68,2	-56,8 -57,1	-56,8 -57,1	-56,8 -57	-56,7 -57	50µs interference on, Dummy release
00:07:50.7343750	-22,4 -42	-50,8 -77,2	-54,6 -75,7	-22,2 -42,1	-48,1 -75,2	Interferer off, Dummy on channel 1
00:08:49.3593750	-46,5 -64,4	-56,8 -57,1	-56,8 -57,1	-56,8 -57	-56,7 -57	35µs interference on, Dummy release



Appendix L

Monitoring bandwidth



Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml

Date 14.08.2006 13:57:57

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

7.4.1 simple compliance test_high_-30%

UPCS IP base

DeTeWe Systems GmbH

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm					
	RMS in dBm	<u> </u>				
00:15:06.7500000	-86,9 -95,8	-85 -95,8	-86,5 -95,6	-86,8 -95,7	-86,6 -95,7	Interferer off
00:15:17.7968750	-71,2 -89,9	-69 -86,6	-63 -83	-53,2 -73,4	-21,7 -38,9	Dummy on channel 0
00:15:46.6718750	-56,9 -57,2	-56,9 -57,2	-56,8 -57,1	-56,7 -57	-86,4 -95,5	Interferer on, Dummy release



 $Rev.\ Draft\ ANSI_7.4.1_monitoring_bandwidth.xml$

Date 14.08.2006 13:54:38

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

7.4.1 simple compliance test_high_-30%

UPCS IP base

DeTeWe Systems GmbH

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm RMS in dBm					
00:11:23.0468750	-86,6 -95,8	-85,5 -95,6	-86,1 -95,6	-86,4 -95,8	-86,1 -95,8	Interferer off
00:11:37.9218750	-70,7 -89,4	-67,3 -87	-65,2 -83	-52,8 -73,5	-21,6 -38,7	Dummy on channel 0
00:12:11.4062500	-56,9 -57,2	-56,9 -57,2	-56,8 -57,1	-56,7 -57	-86,1 -95,5	Interferer on, Dummy release



Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml

Date 14.08.2006 13:51:10

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

7.4.1 simple compliance test_low_+30%

UPCS IP base

DeTeWe Systems GmbH

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm					
	RMS in dBm					
00:08:21.5625000	-86,1 -96,1	-86,3 -95,7	-86,4 -95,7	-86 -95,8	-86 -95,8	Interferer off
00:08:31.9687500	-71,2 -90	-68,6 -87,4	-60,3 -83,1	-54,7 -73,8	-22,1 -38,8	Dummy on channel 0
00:08:59.0312500	-85 -95,7	-56,8 -57,1	-56,8 -57,1	-56,8 -57	-56,7 -57	Interferer on, Dummy release



Rev. Draft ANSI_7.4.1_monitoring_bandwidth.xml

Date 14.08.2006 13:45:36

Reference to the EUT

G0M20608-0762 / RFP 32

Comment:

7.4.1 simple compliance test_low_-30%

UPCS IP base

DeTeWe Systems GmbH

Time stamp	1921.536 MHZ	1923.264 MHz	1924.992 MHz	1926.720 MHz	1928.448 MHz	Comment
	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	Peak in dBm	
	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	RMS in dBm	
00:01:04.1875000	:01:04.1875000 -85 -86,4 -86,2 -86,8	-86,5	Interferer off			
	-95,5	-95,7	-95,8	-95,6	-95,7	
00:02:23.9531250	-22	-50,5	-22	-49	-67,2	Dummy on
	-41,8	-73,6	-41,8	-76	-85,7	channel 2
00:02:51.8437500	-86,9	-56,8	-56,8	-56,7	-56,7	Interferer
	-95,6	-57,1	-57,1	-57,1	-57	on, Dummy release



Appendix M

Random waiting interval



Appendix N

Duration of Transmission