

Appendix B

Coordination with fixed microwave service

UTAM, Inc.

SECTION 15.307(b) AFFIDAVIT

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

ASCOM WIRELESS SOLUTIONS, INC.

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 30th day of August, 2005



Michael Stima, Managing Director
UTAM, Inc.
1170 U.S. Hwy 22
P.O. Box 8126
Bridgewater, New Jersey 08807
Tel: (508) 526-3636

Affidavit #: ASCO092005

Appendix C

Reference to Subpart B

Appendix D

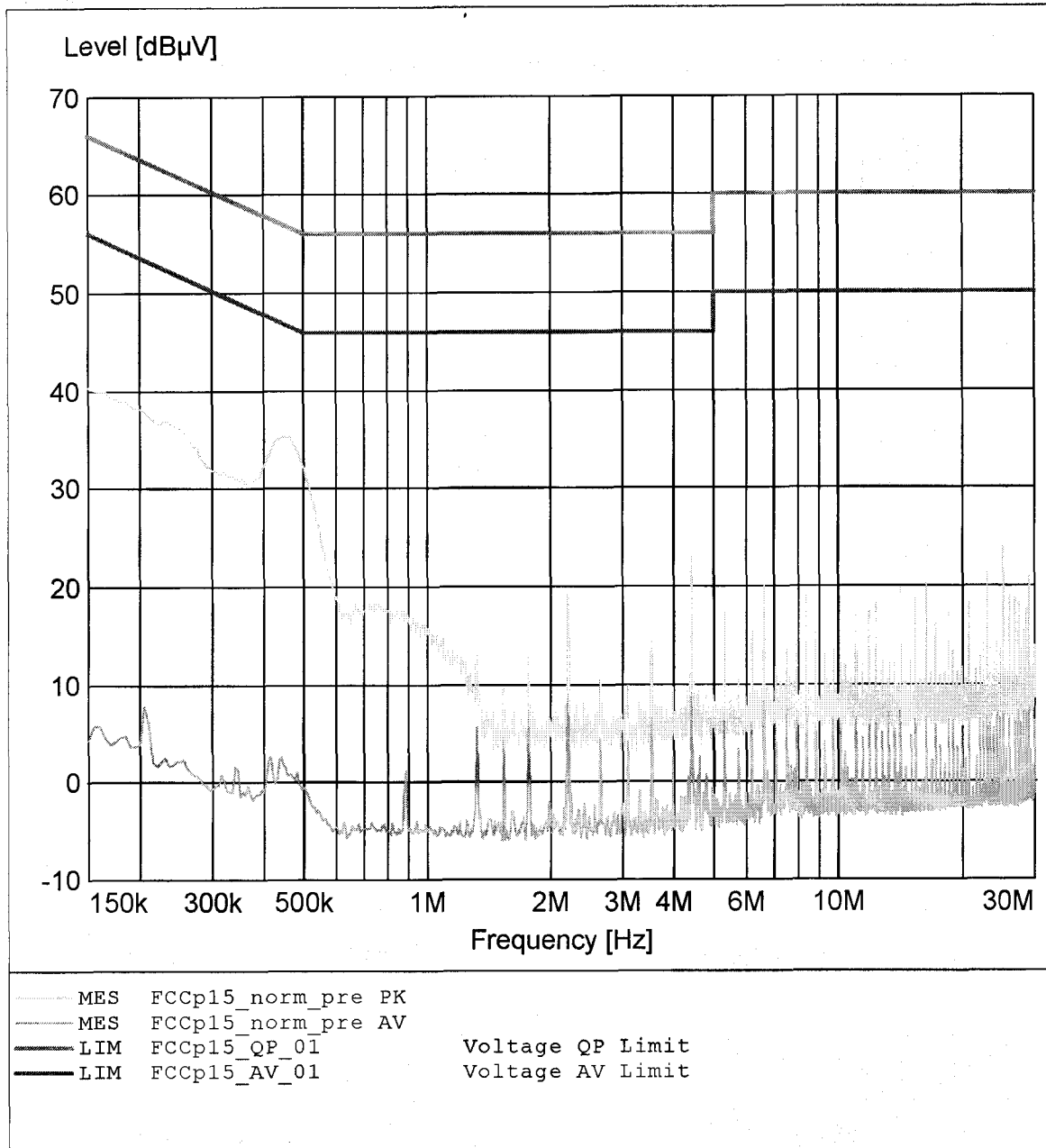
Labeling requirements

Appendix E

Conducted limits AC Power line

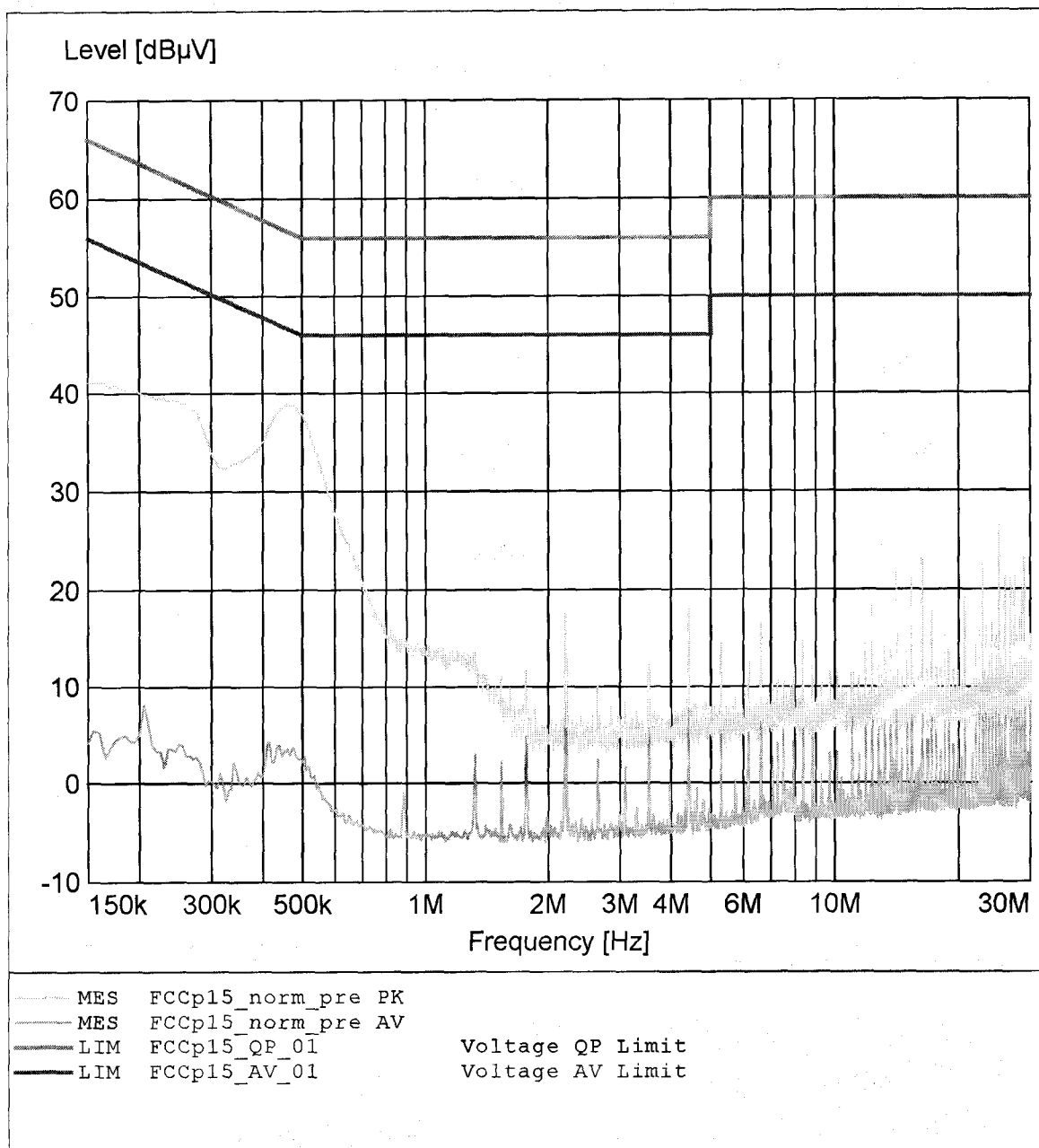
EMI voltage test in the ac-mains according to FCC part 15

EUT: UPCS BASE STATION
Manufacturer: ASCOM TATECO AB
Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR) , Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-Z5 (N)
Comment: model: BS-330



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

EUT: UPCS BASE STATION
Manufacturer: ASCOM TATECO AB
Operating Condition: Unom: 120 V AC (AC/DC-ADAPTOR) , Tnom: 23°C
Test Site: ETS
Operator: Mr. Pflug
Test Specification: V-Network: ESH2-25 (L1)
Comment: model: BS-330



Appendix F

Emission band width

FCC Part 15.303(b) Emission bandwidth

Test procedure Rev. Draft ANSI 63.17-1998 6.1.3 UPCS

EUT	Remote fixed part
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth

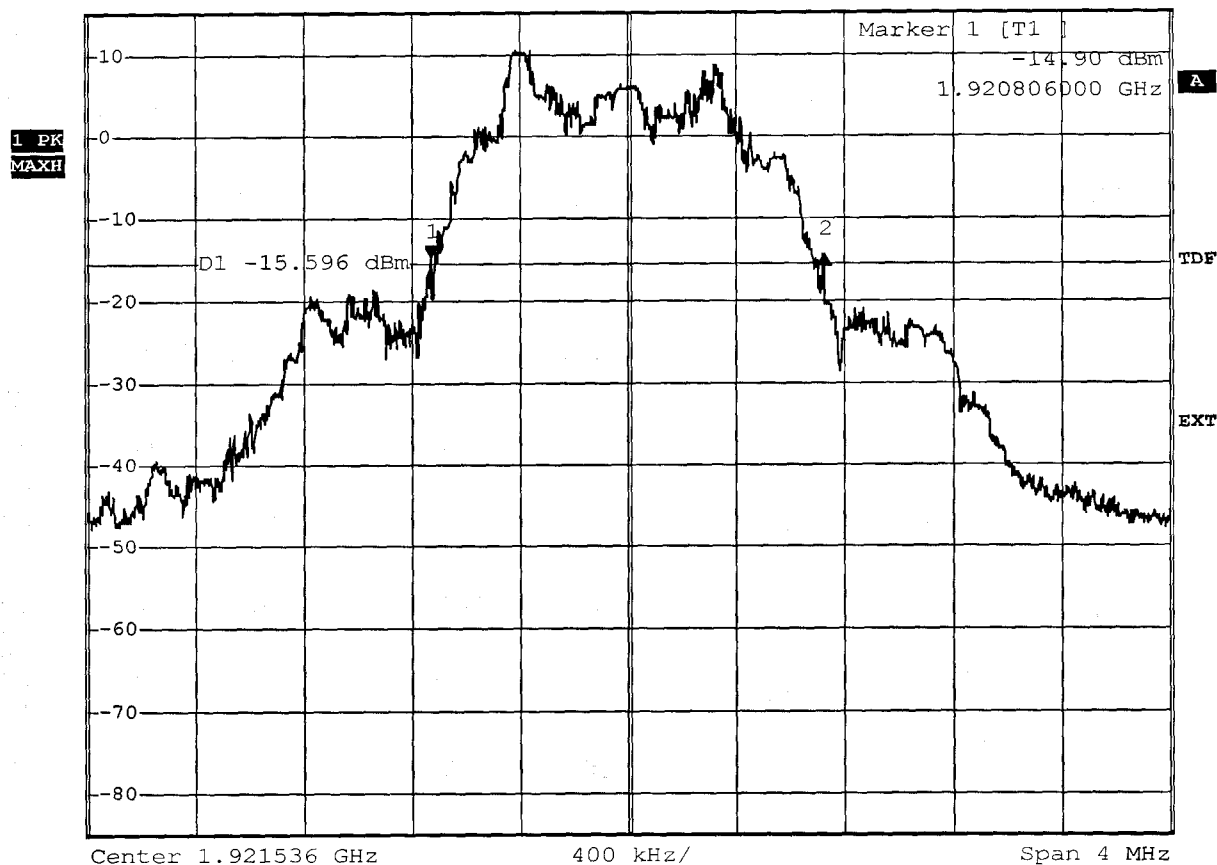
Measured Bandwidth	Emission Bandwidth = 1.45MHz
Max. Permitted BW	Limit = 2.5 MHz

Test result	Verdict = PASS
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Emission Bandwidth

*RBW 10 kHz	Delta 2 [T1]
*VBW 30 kHz	0.32 dB
Ref 15 dBm	*Att 40 dB
	SWT 40 ms
	1.454000000 MHz



Comment: Ansi C63.17-1998 6.1.3
Date: 6.AUG.2005 13:53:11

Measurement diagram

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

-6 dB points

Lower frequency : 1921.082MHz
Higher frequency : 1921.888MHz

-12 dB points

Lower frequency : 1920.97MHz
Higher frequency : 1921.996MHz

Measurement diagram

FCC Part 15.303(b) Emission bandwidth

Test procedure Rev. Draft ANSI 63.17-1998 6.1.3 UPCS

EUT	Remote fixed part
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth

Measured Bandwidth	Emission Bandwidth = 1.32MHz
Max. Permitted BW	Limit = 2.5 MHz

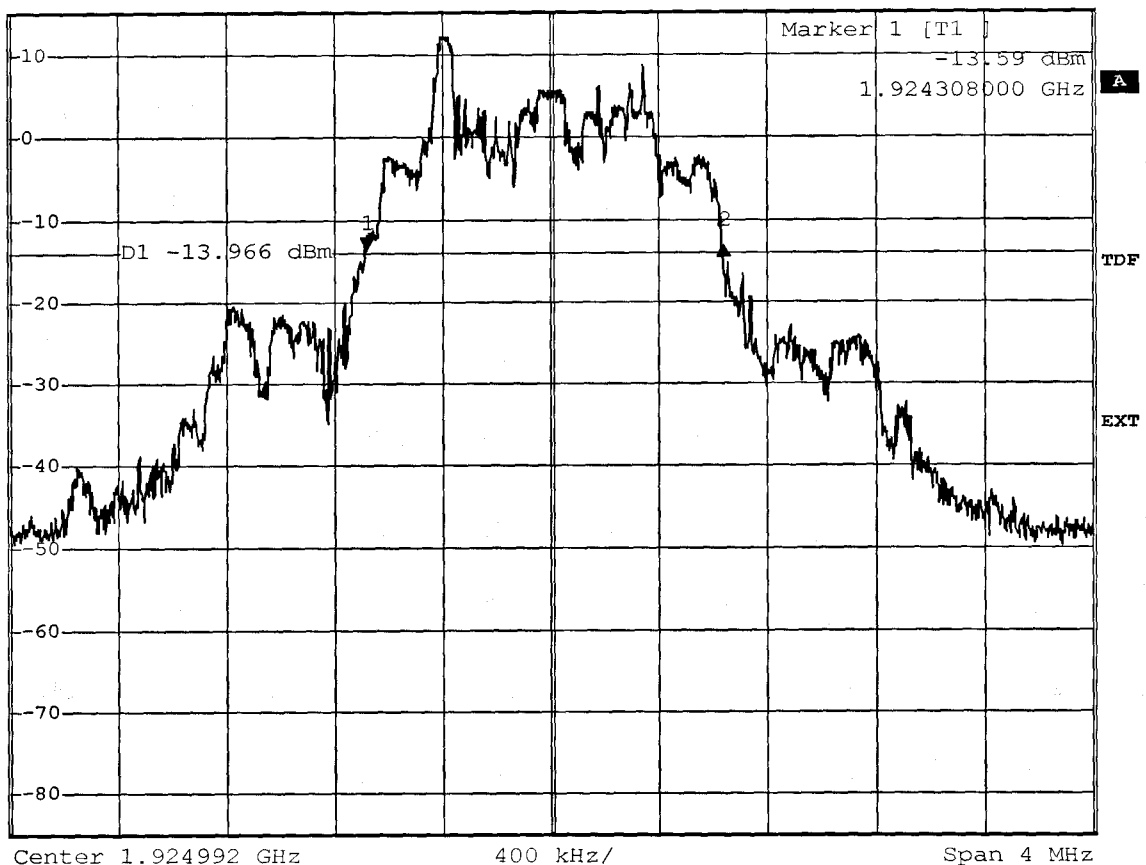
Test result	Verdict = PASS
-------------	----------------



Emission Bandwidth

*RBW 10 kHz Delta 2 [T1] 0.37 dB
 *VBW 30 kHz
 Ref 15 dBm *Att 40 dB SWT 40 ms 1.320000000 MHz

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.3
 Date: 6.AUG.2005 13:17:54

Measurement diagram

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

-6 dB points

Lower frequency : 1924.56MHz
Higher frequency : 1925.34MHz

-12 dB points

Lower frequency : 1924.544MHz
Higher frequency : 1925.384MHz

Measurement diagram

FCC Part 15.303(b) Emission bandwidth

Test procedure Rev. Draft ANSI 63.17-1998 6.1.3
UPCS

EUT	Remote fixed part
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.3 Emission bandwidth

Measured Bandwidth	Emission Bandwidth = 1.34MHz
Max. Permitted BW	Limit = 2.5 MHz

Test result	Verdict = PASS
-------------	----------------



Emission Bandwidth

*RBW 10 kHz	Delta 2 [T1]
*VBW 30 kHz	-0.47 dB
SWT 40 ms	1.344000000 MHz

Ref 15 dBm

*Att 40 dB



Comment: Ansi C63.17-1998 6.1.3
Date: 6.AUG.2005 13:12:38

Measurement diagram

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

-6 dB points

Lower frequency : 1928.022MHz
Higher frequency : 1928.752MHz

-12 dB points

Lower frequency : 1927.968MHz
Higher frequency : 1928.838MHz

Appendix G

Peak Transmit Power

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure Rev. Draft ANSI 63.17-1998 6.1.2
UPCS

EUT	UPCS Base Station
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Unom
Measured Bandwidth	1.454MHz
Max. Permitted Power	17.81 dBm
Measured Power	16,60 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

16.27 dBm

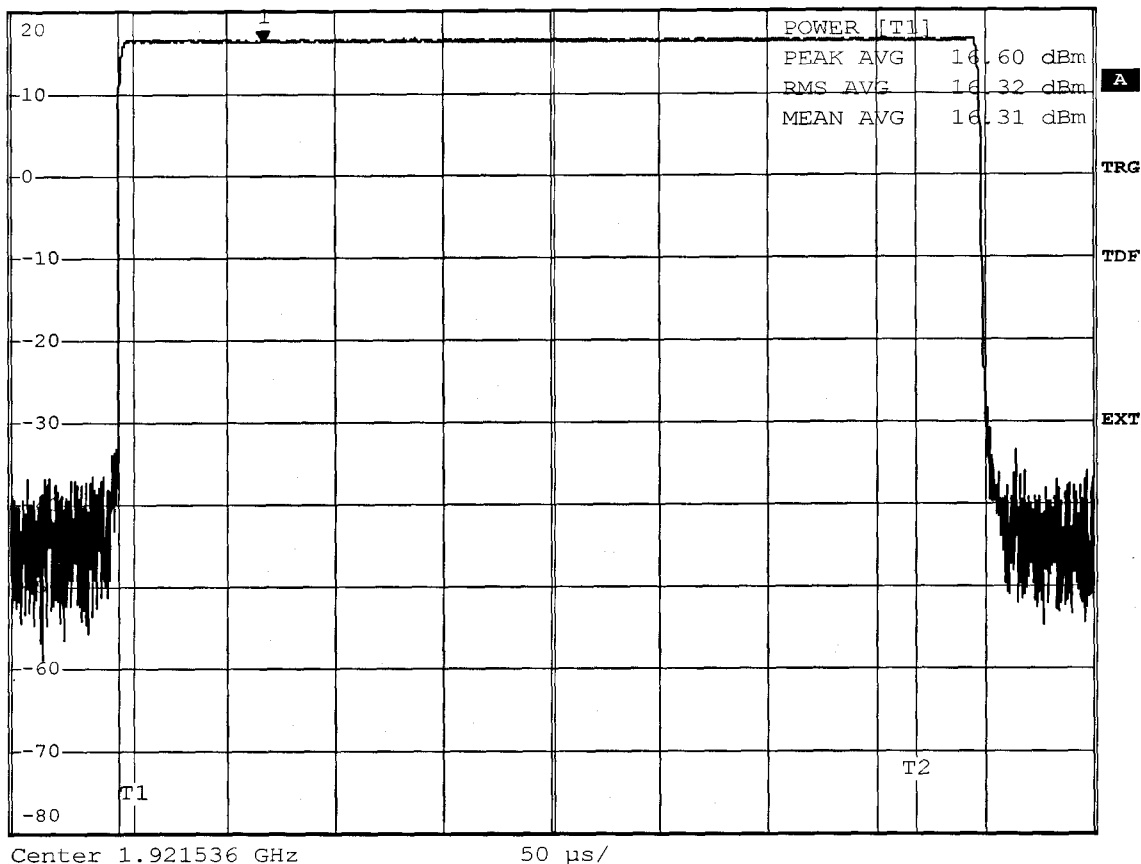
Ref 20 dBm

*Att 30 dB

SWT 500 µs

67.250000 µs

1 SA
CLRWR



Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 19:59:27

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure Rev. Draft ANSI 63.17-1998 6.1.2
UPCS

EUT	UPCS Base Station
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Unom
Measured Bandwidth	1.454MHz
Max. Permitted Power	17.81 dBm
Measured Power	16,48 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

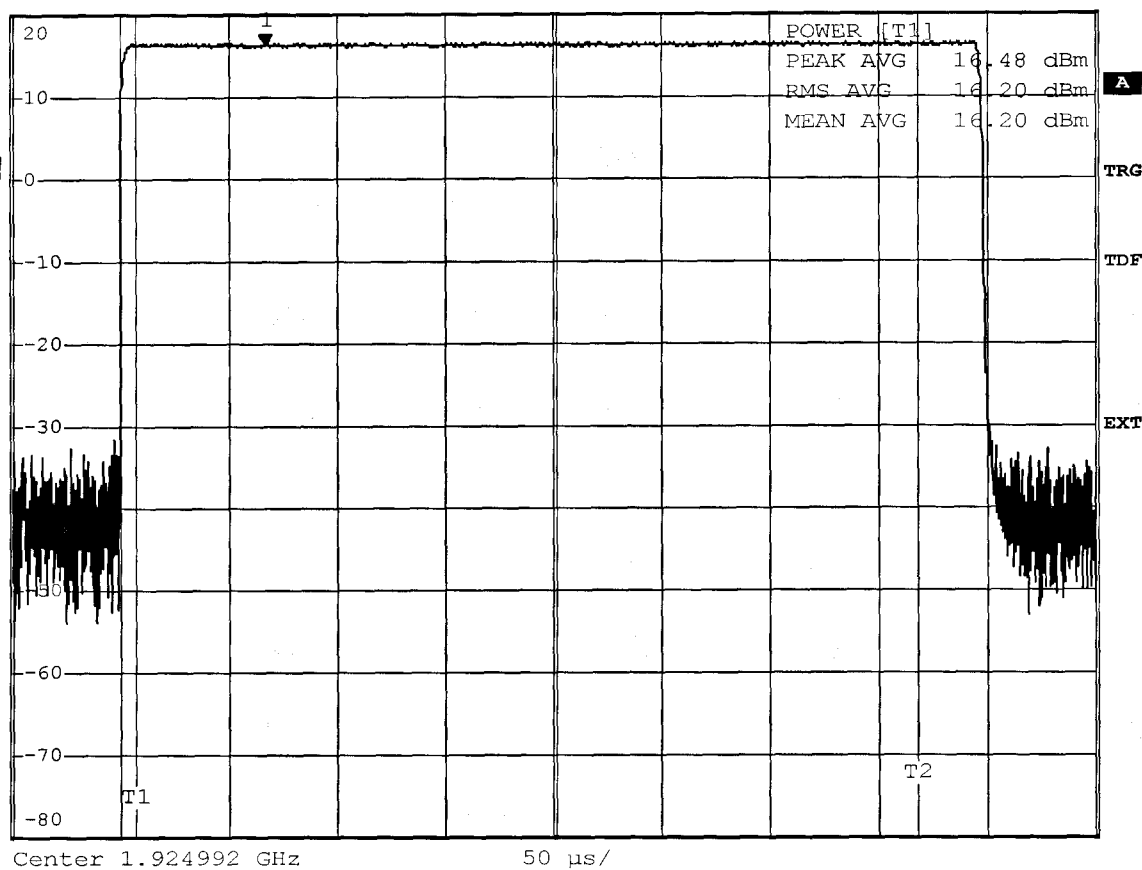
16.15 dBm

Ref 20 dBm

*Att 30 dB

SWT 500 μ s67.250000 μ s

1 SA
CLRWR



Comment: Ansi C63.17-1998 6.1.2

Date: 25.SEP.2005 20:04:24

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure Rev. Draft ANSI 63.17-1998 6.1.2
UPCS

EUT	UPCS Base Station
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Unom
Measured Bandwidth	1.454MHz
Max. Permitted Power	17.81 dBm
Measured Power	16,32 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

16.06 dBm

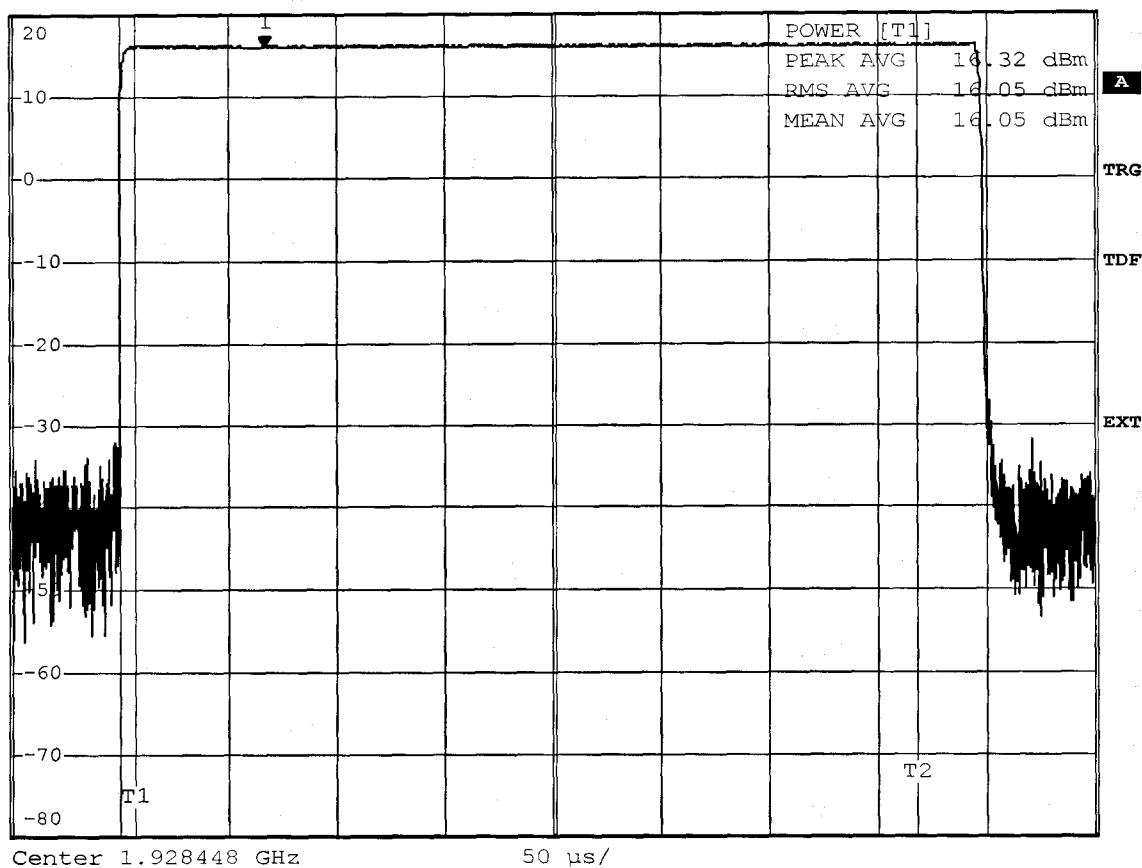
Ref 20 dBm

*Att 30 dB

SWT 500 µs

67.250000 µs

1 SA
CLRWR



Comment: Ansi C63.17-1998 6.1.2

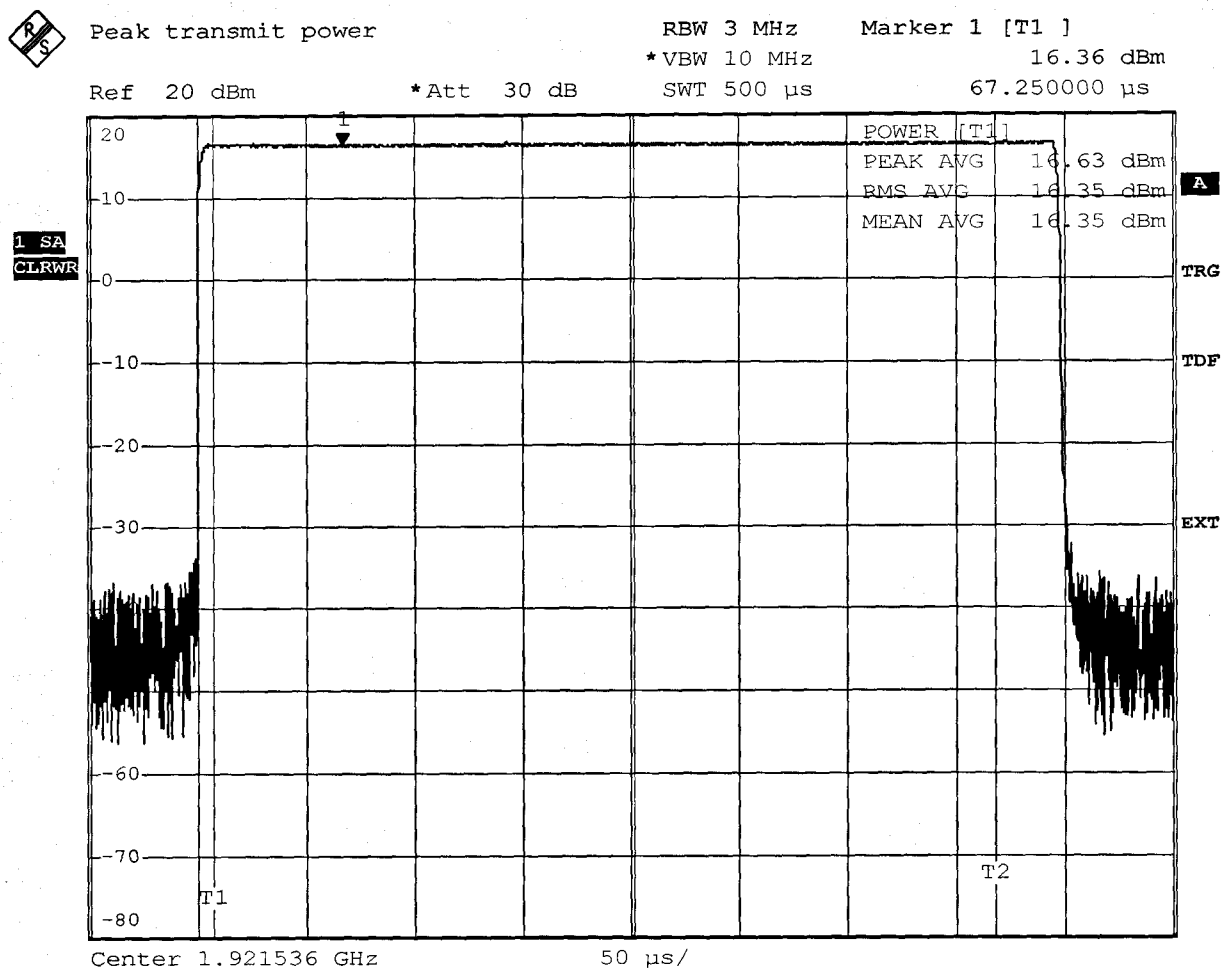
Date: 25.SEP.2005 20:07:15

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT	UPCS Base Station
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umax
Measured Bandwidth	1.454MHz
Max. Permitted Power	17.81 dBm
Measured Power	16,63 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
Date: 25.SEP.2005 20:02:26

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure Rev. Draft ANSI 63.17-1998 6.1.2
UPCS

EUT	UPCS Base Station
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umax
Measured Bandwidth	1.454MHz
Max. Permitted Power	17,81 dBm
Measured Power	16,46 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

16.18 dBm

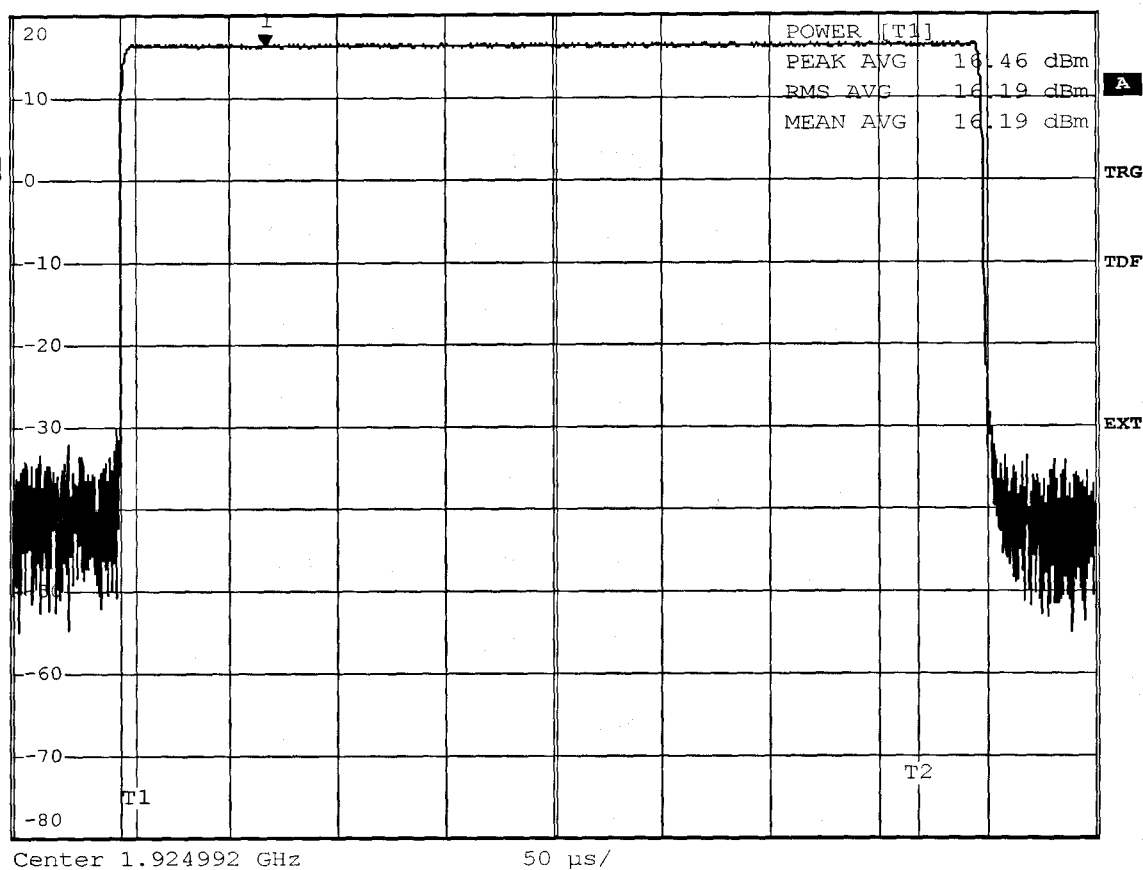
Ref 20 dBm

*Att 30 dB

SWT 500 µs

67.250000 µs

1 SA
CLRWR



Comment: Ansi C63.17-1998 6.1.2

Date: 25.SEP.2005 20:06:07

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure Rev. Draft ANSI 63.17-1998 6.1.2
UPCS

EUT	UPCS Base Station
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umax
Measured Bandwidth	1.454MHz
Max. Permitted Power	17.81 dBm
Measured Power	16,33 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

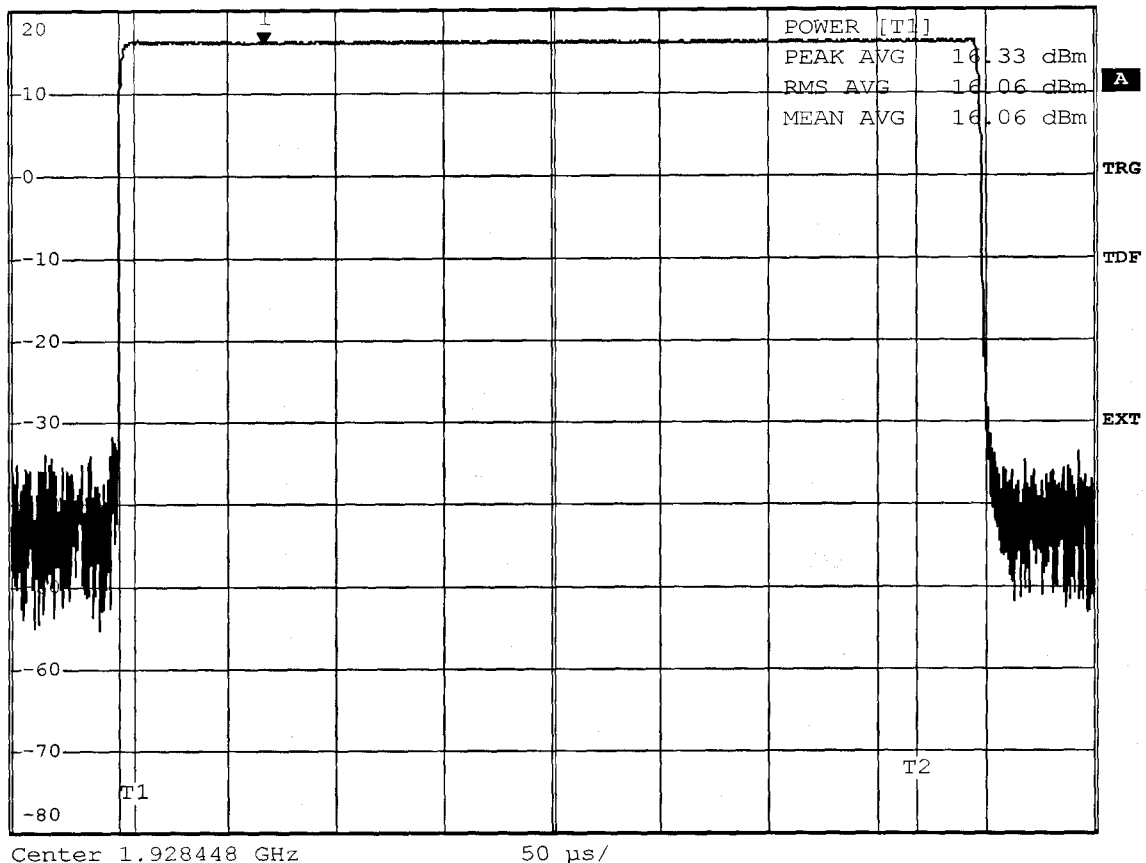
16.03 dBm

Ref 20 dBm

*Att 30 dB

SWT 500 µs

67.250000 µs

1 SA
CLRWR

Comment: Ansi C63.17-1998 6.1.2

Date: 25.SEP.2005 20:08:46

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure Rev. Draft ANSI 63.17-1998 6.1.2
UPCS

EUT	UPCS Base Station
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umin
Measured Bandwidth	1.454MHz
Max. Permitted Power	17,81 dBm
Measured Power	16,62 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

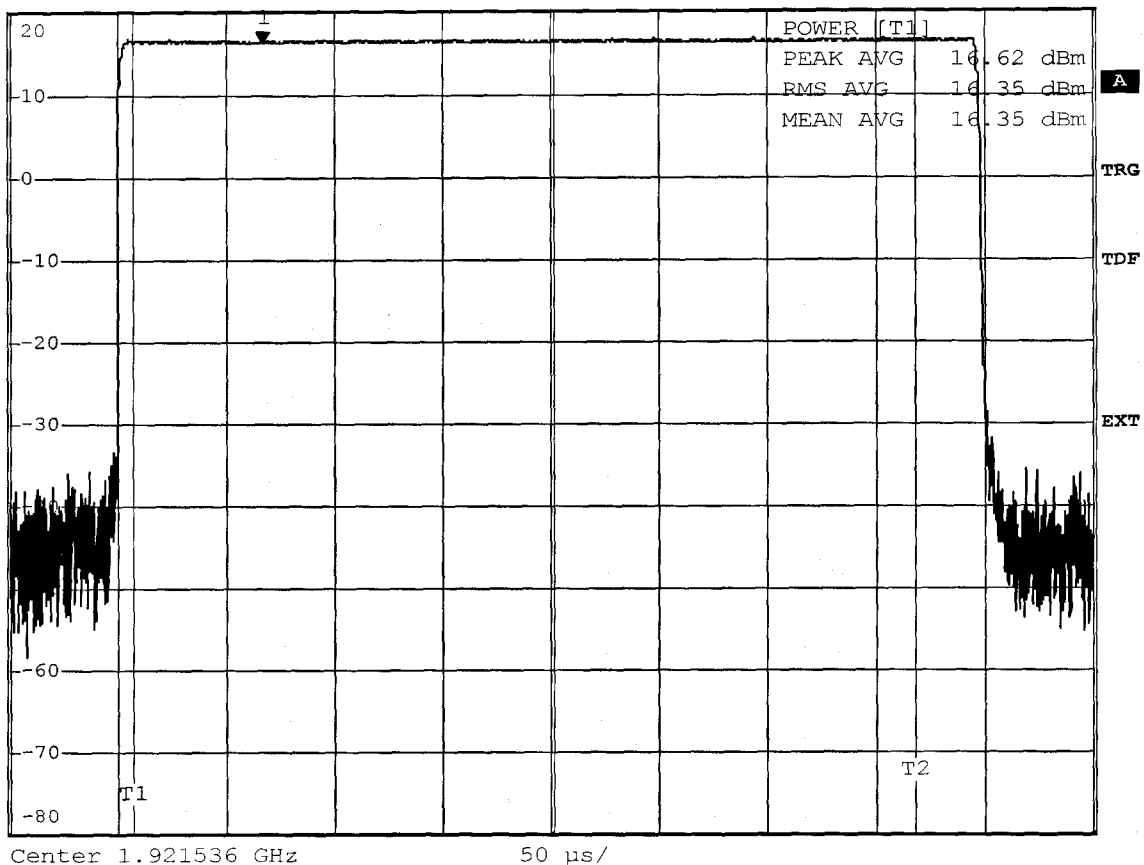
16.30 dBm

Ref 20 dBm

*Att 30 dB

SWT 500 μ s67.250000 μ s

1 SA
CLRWR



Comment: Ansi C63.17-1998 6.1.2

Date: 25.SEP.2005 20:01:33

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure Rev. Draft ANSI 63.17-1998 6.1.2
UPCS

EUT	UPCS Base Station
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umin
Measured Bandwidth	1.454MHz
Max. Permitted Power	17,81 dBm
Measured Power	16,49 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

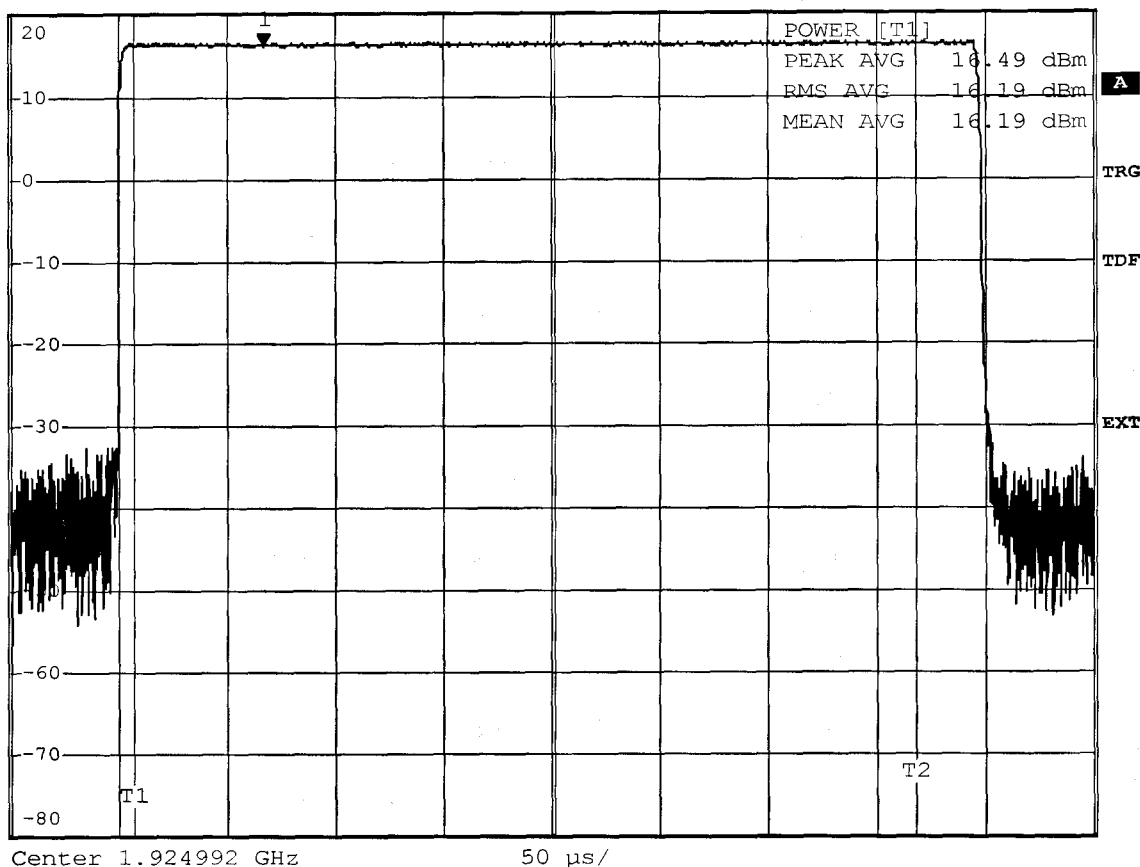
Marker 1 [T1]

*VBW 10 MHz

16.21 dBm

Ref 20 dBm

*Att 30 dB

SWT 500 μ s67.250000 μ s1 SA
CLRWR

Comment: Ansi C63.17-1998 6.1.2

Date: 25.SEP.2005 20:05:06

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure Rev. Draft ANSI 63.17-1998 6.1.2

UPCS

EUT	UPCS Base Station
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	Umin
Measured Bandwidth	1.454MHz
Max. Permitted Power	17,81 dBm
Measured Power	16,33 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

16.03 dBm

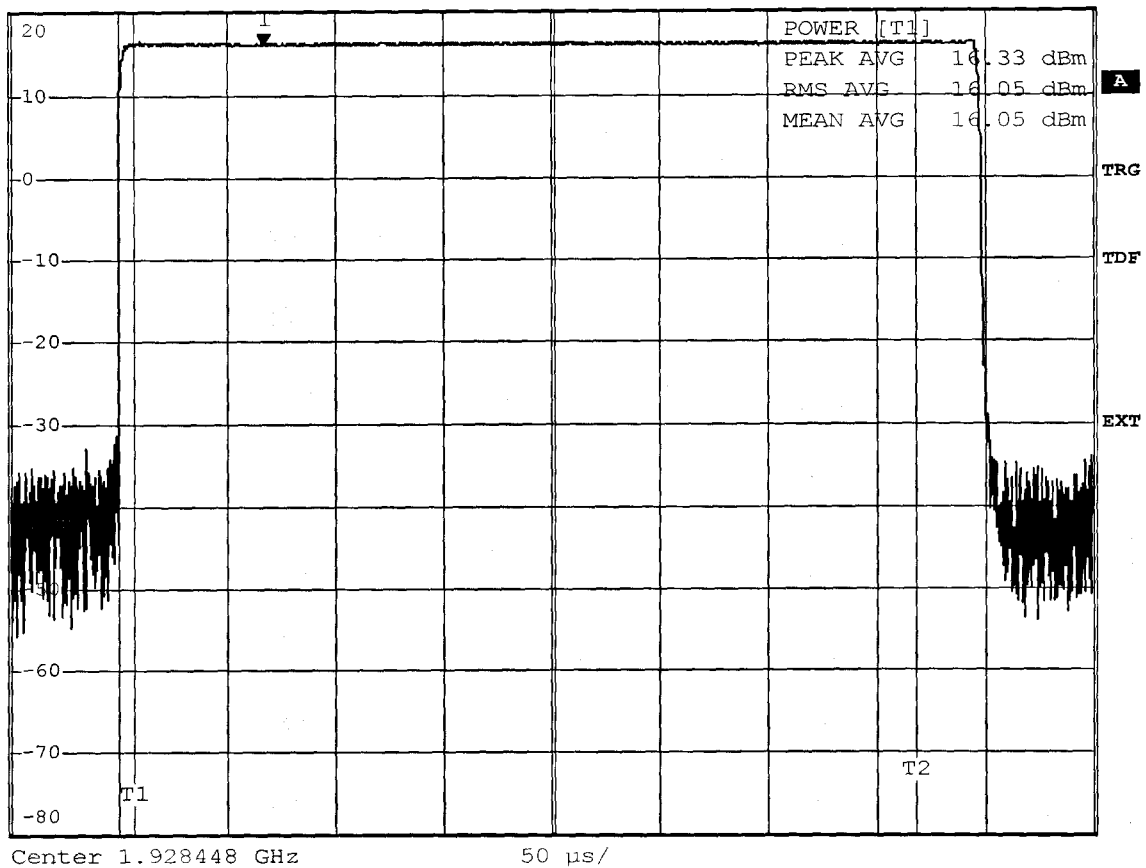
Ref 20 dBm

*Att 30 dB

SWT 500 μ s

67.250000 μ s

1 SA
CLRWR



Comment: Ansi C63.17-1998 6.1.2

Date: 25.SEP.2005 20:07:56

Measurement diagram

Appendix H

Power spectral density

FCC Part 15.319(d) Power spectral density**Test procedure Rev. Draft ANSI 63.17-1998 6.1.5
UPCS**

EUT	Remote fixed part
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Measured Maximum	3.248 dBm
Value in mW	2.112mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Power Spectral Densit

*RBW 3 kHz

Marker 1 [T1]

*VBW 3 kHz

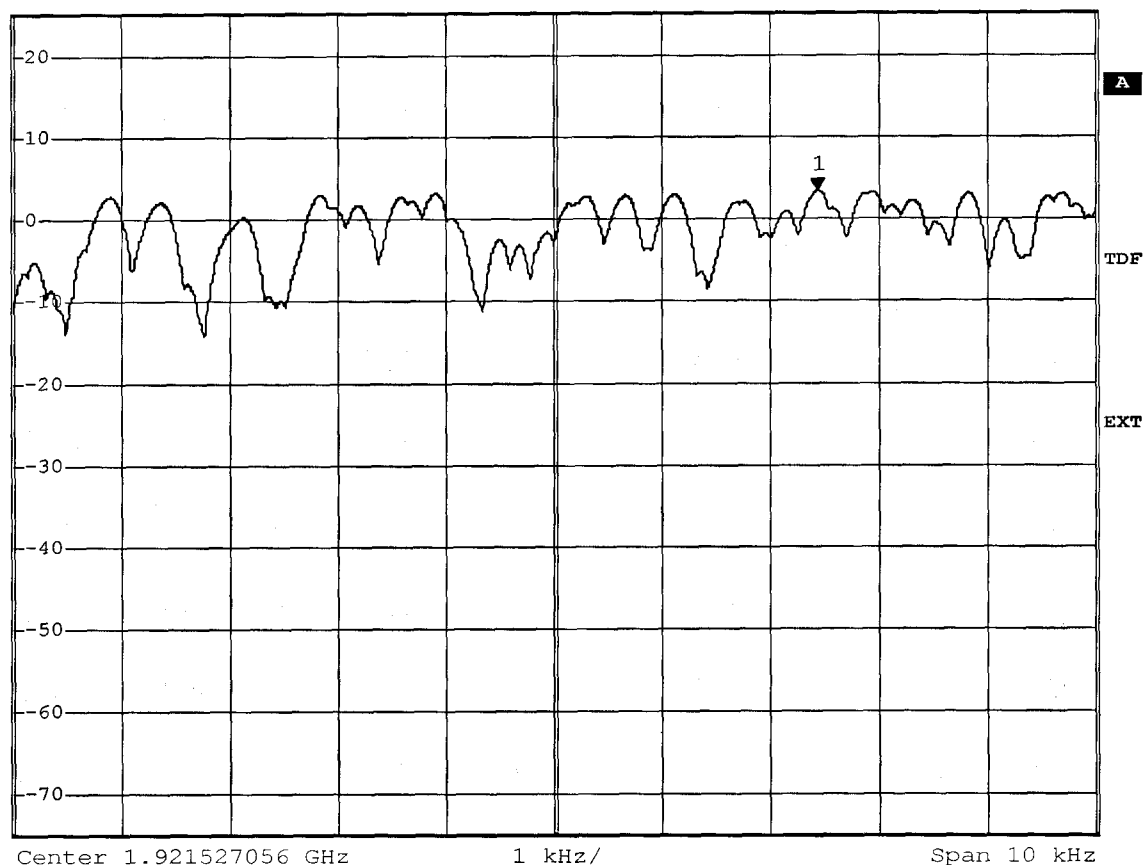
3.25 dBm

Ref 25 dBm

*Att 40 dB

SWT 10 ms

1.921529496 GHz

1 PK
MAXH

Comment: Ansi C63.17-1998 6.1.5

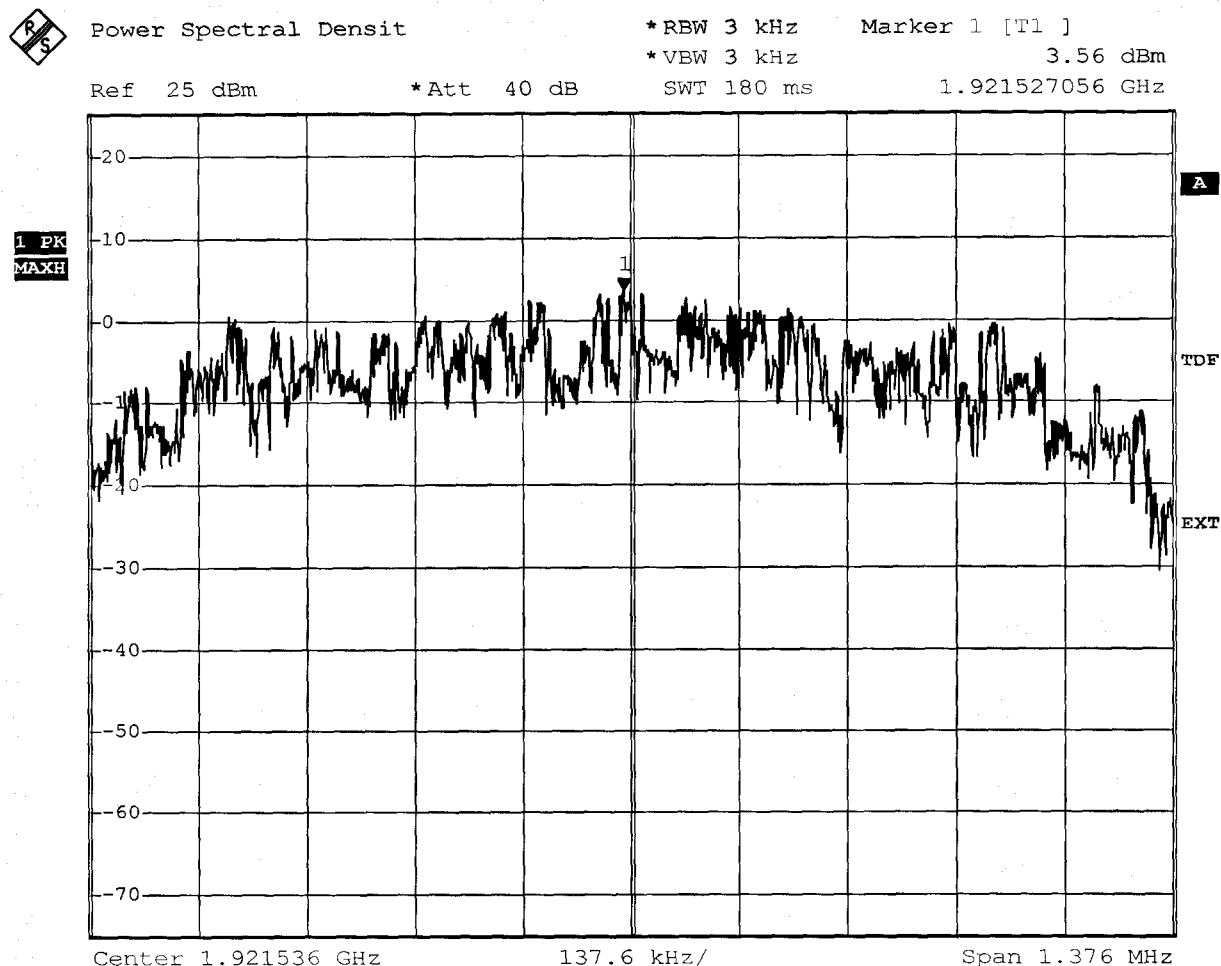
Date: 9.JUL.2005 06:54:55

Measurement diagram

FCC Part 15.319(d) Power spectral density**Test procedure Rev. Draft ANSI 63.17-1998 6.1.5
UPCS**

EUT	Remote fixed part
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



Comment: Ansi C63.17-1998 6.1.5
Date: 9.JUL.2005 06:54:43

Measurement diagram

FCC Part 15.319(d) Power spectral density**Test procedure Rev. Draft ANSI 63.17-1998 6.1.5
UPCS**

EUT	Remote fixed part
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Measured Maximum	3.642 dBm
Value in mW	2.313mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Power Spectral Densit

*RBW 3 kHz

Marker 1 [T1]

*VBW 3 kHz

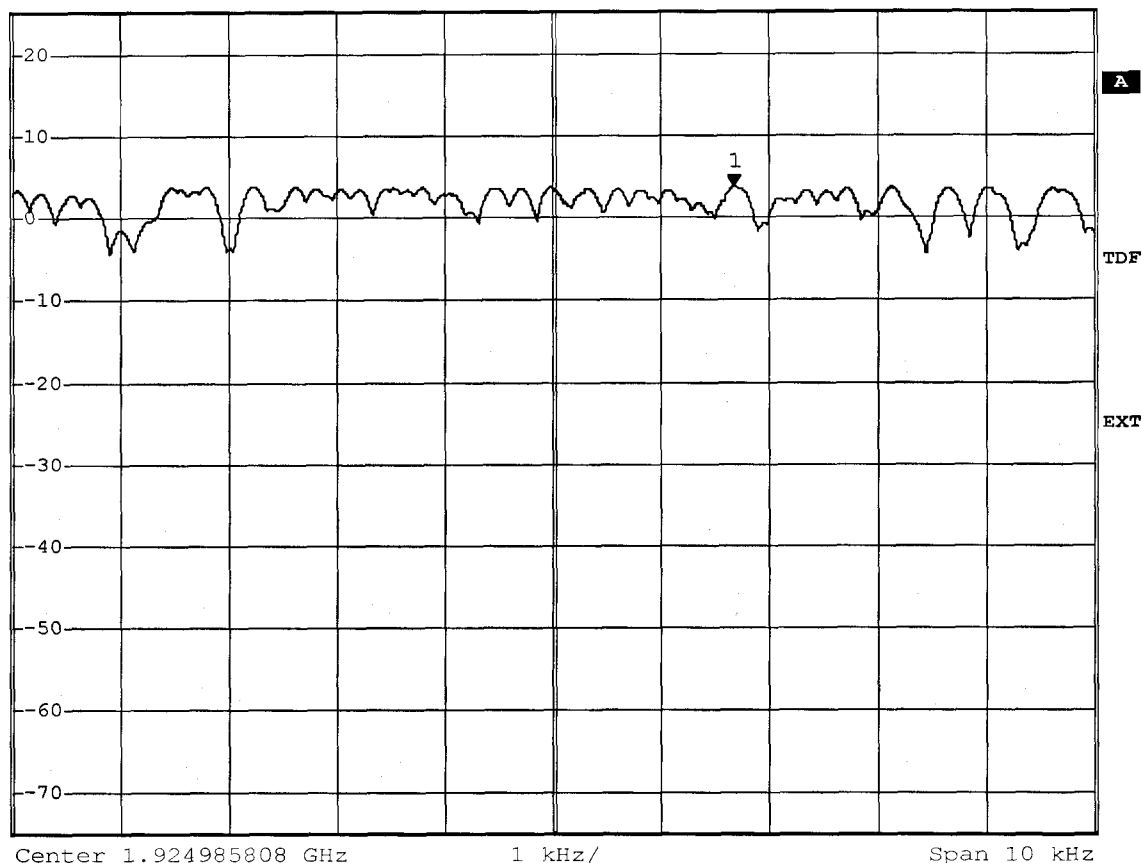
3.64 dBm

Ref 25 dBm

*Att 40 dB

SWT 10 ms

1.924987493 GHz

1 PK
MAXH

Comment: Ansi C63.17-1998 6.1.5

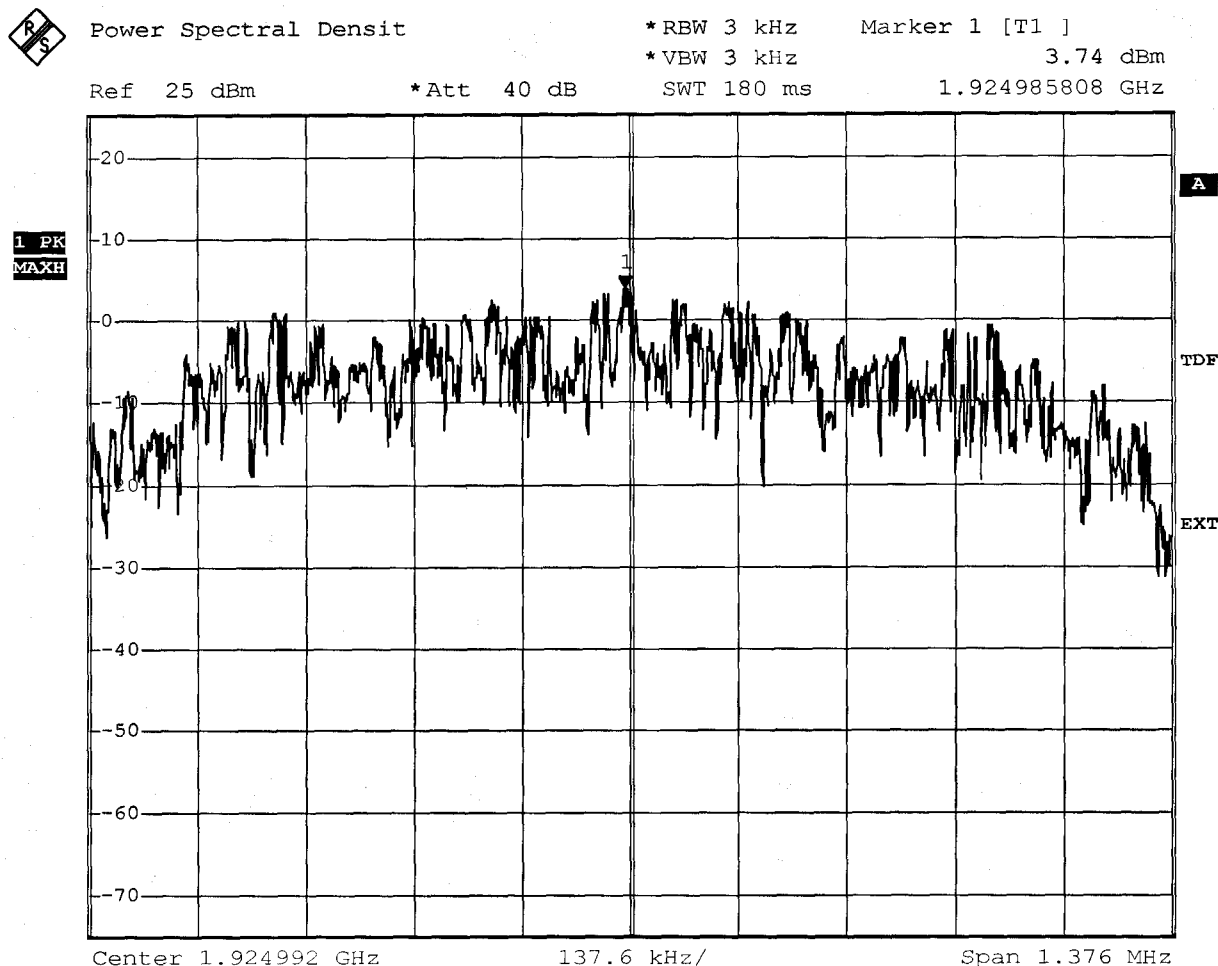
Date: 9.JUL.2005 06:52:07

Measurement diagram

FCC Part 15.319(d) Power spectral density**Test procedure Rev. Draft ANSI 63.17-1998 6.1.5
UPCS**

EUT	Remote fixed part
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



Comment: Ansi C63.17-1998 6.1.5
Date: 9.JUL.2005 06:51:50

Measurement diagram

FCC Part 15.319(d) Power spectral density

Test procedure Rev. Draft ANSI 63.17-1998 6.1.5
UPCS

EUT	Remote fixed part
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Measured Maximum	2.837 dBm
Value in mW	1.922mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Power Spectral Densit

*RBW 3 kHz

Marker 1 [T1]

*VBW 3 kHz

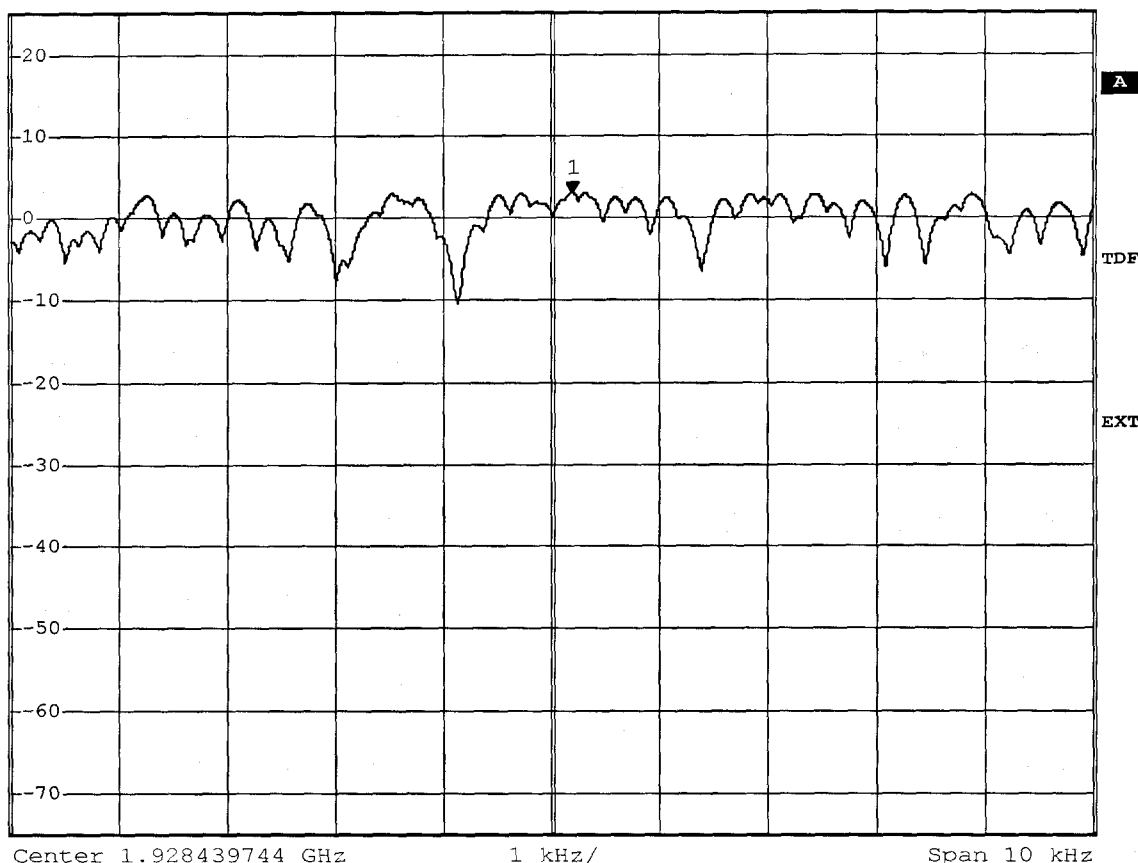
2.84 dBm

Ref 25 dBm

*Att 40 dB

SWT 10 ms

1.928439934 GHz

1 PK
MAXH

Comment: Ansi C63.17-1998 6.1.5

Date: 9.JUL.2005 06:53:21

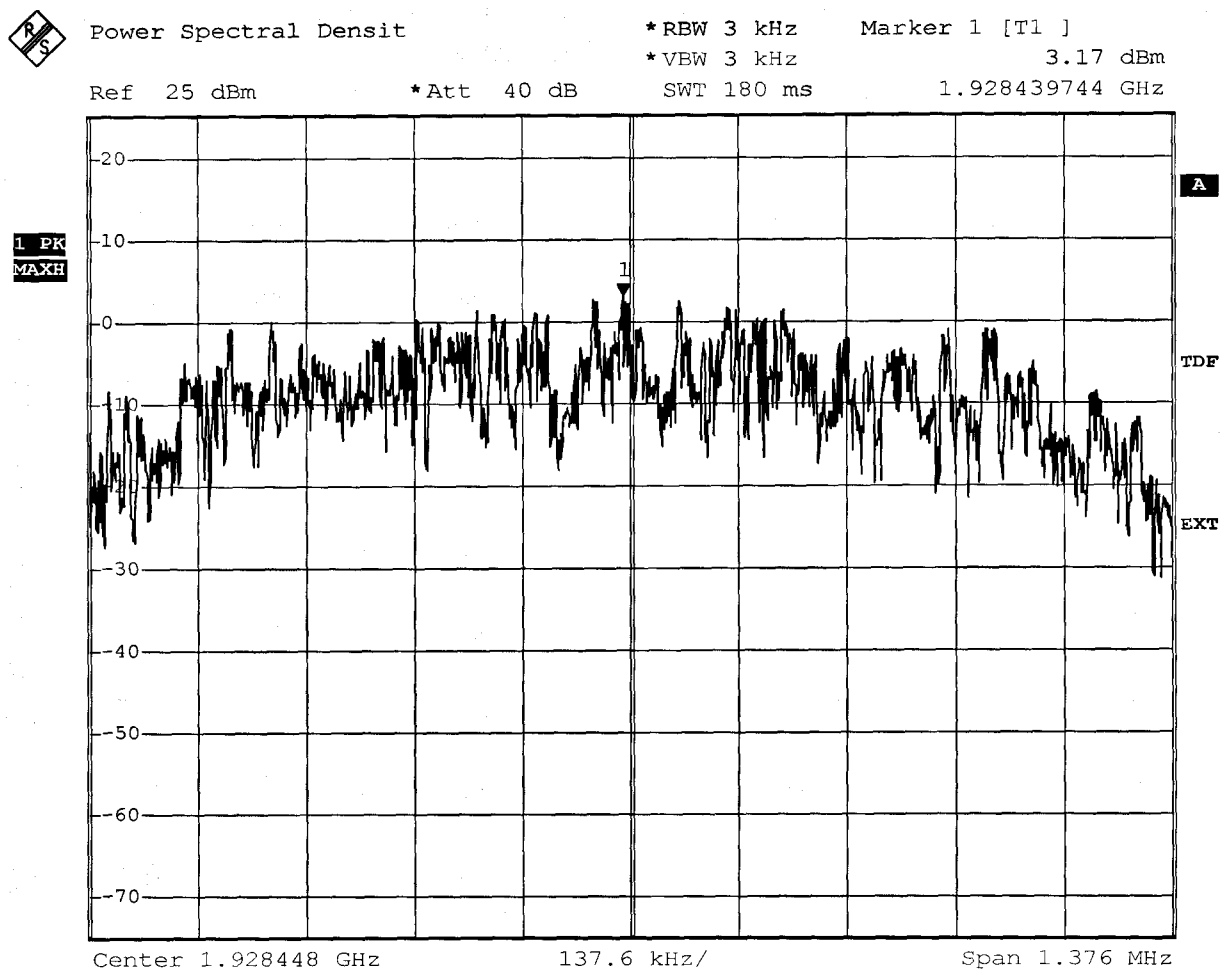
Measurement diagram

FCC Part 15.319(d) Power spectral density

Test procedure Rev. Draft ANSI 63.17-1998 6.1.5
UPCS

EUT	Remote fixed part
Model	BS-330
Applicant	Ascom Tateco AB
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



Comment: Ansi C63.17-1998 6.1.5
Date: 9.JUL.2005 06:53:08

Measurement diagram

Appendix I

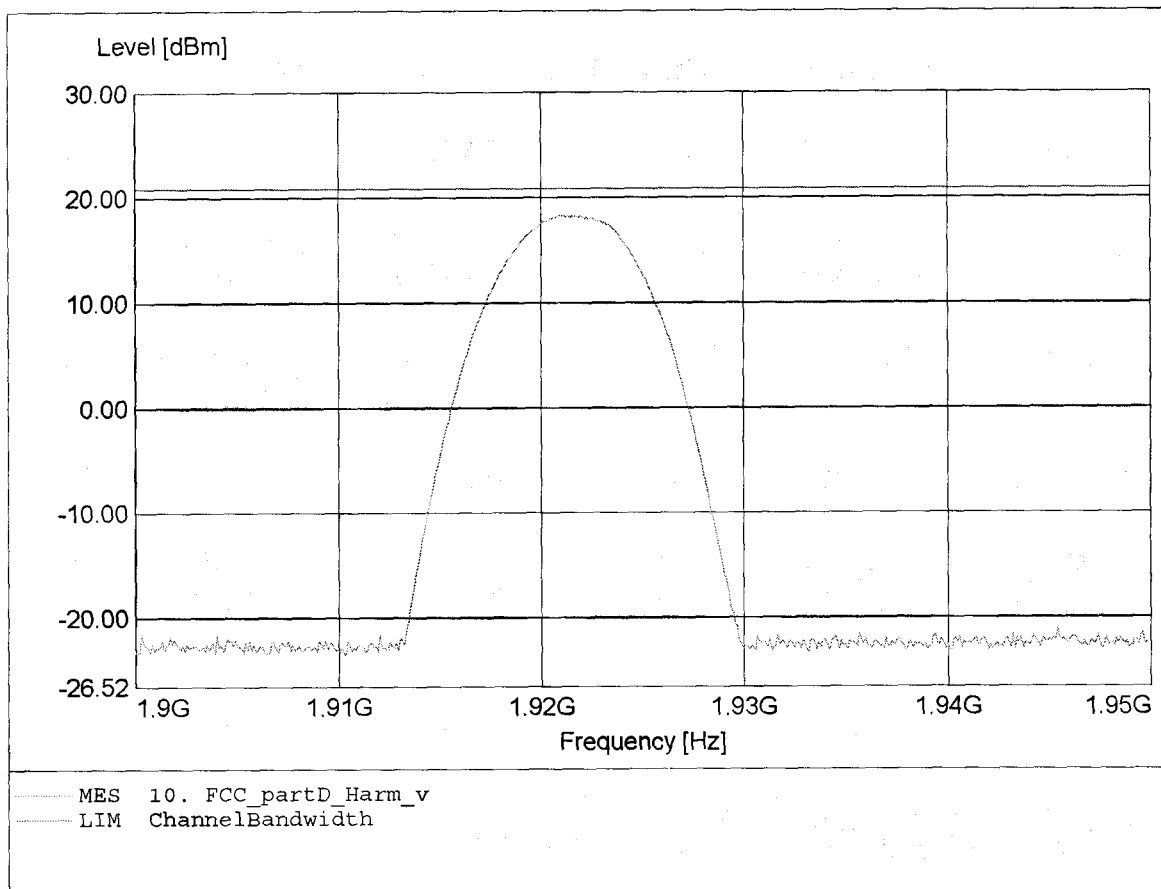
Directional gain of the antenna

Appendix J

Radio frequency radiation exposure

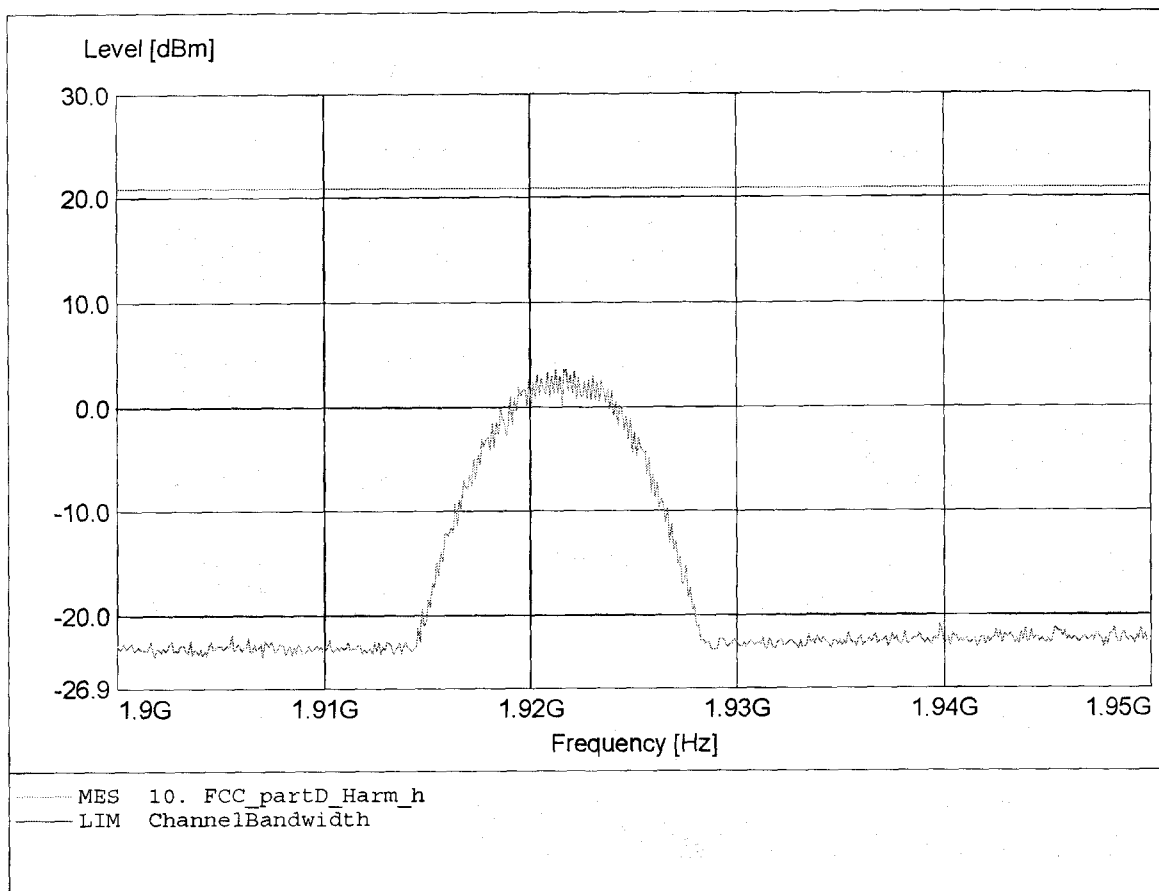
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 1 / Ch.: 4
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.921GHz Pmax:18.24dBm RBW: 5 MHz



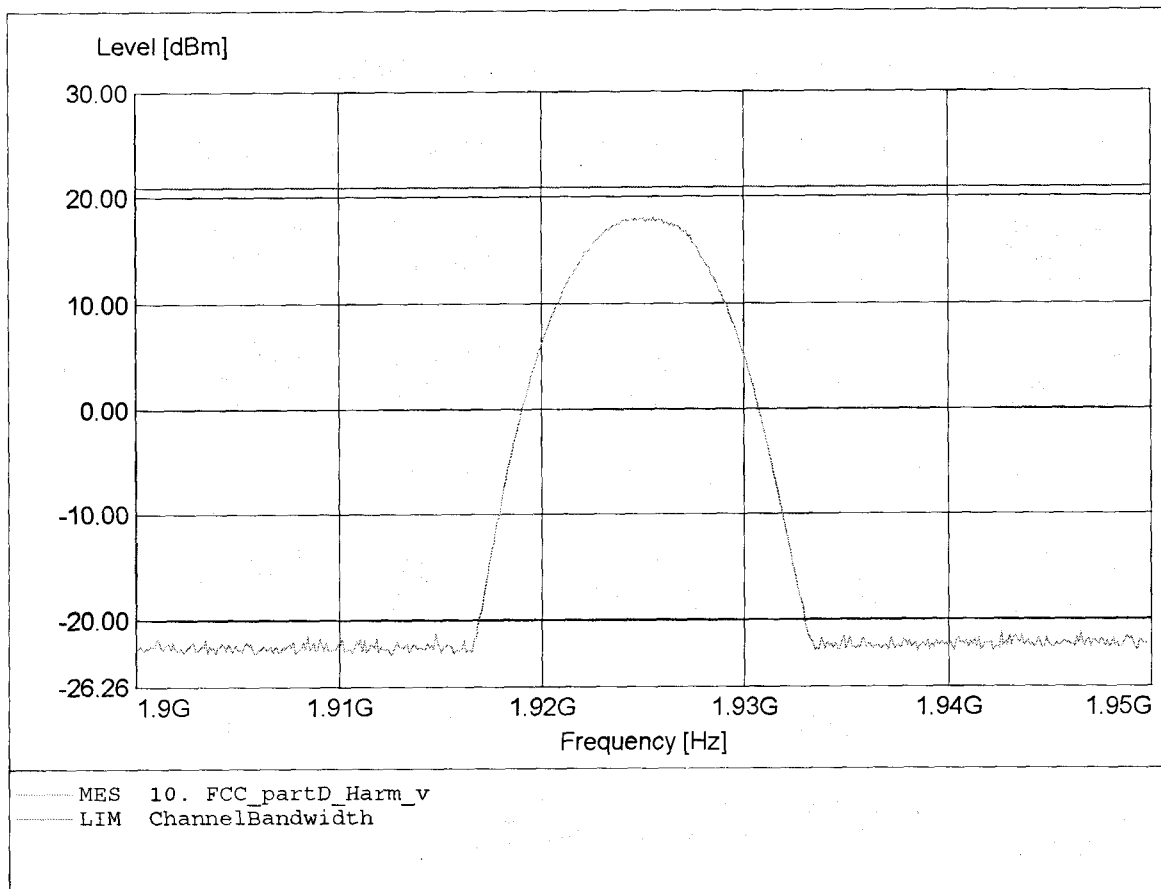
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 1 / Ch.: 4
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.922GHz Pmax:3.59dBm RBW: 5 MHz



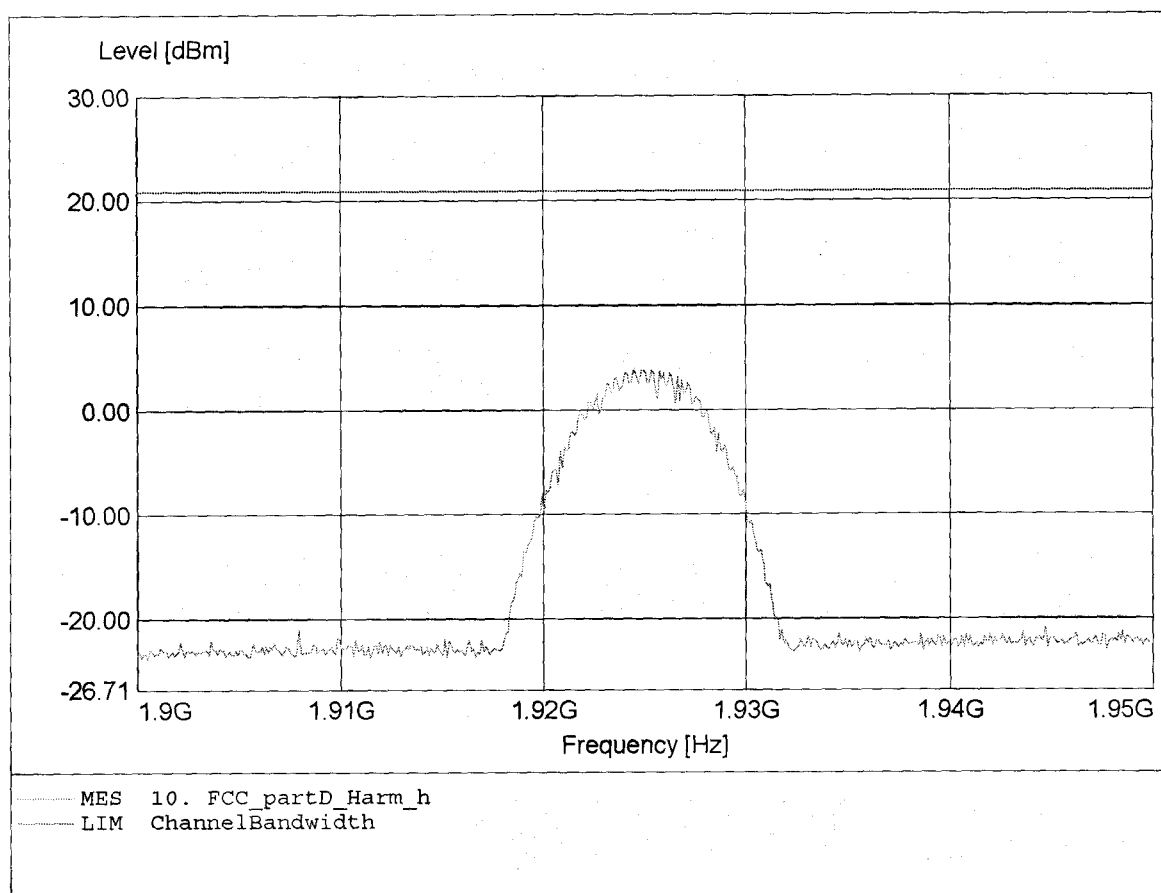
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 1 / Ch.: 2
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.926GHz Pmax:18.01dBm RBW: 5 MHz



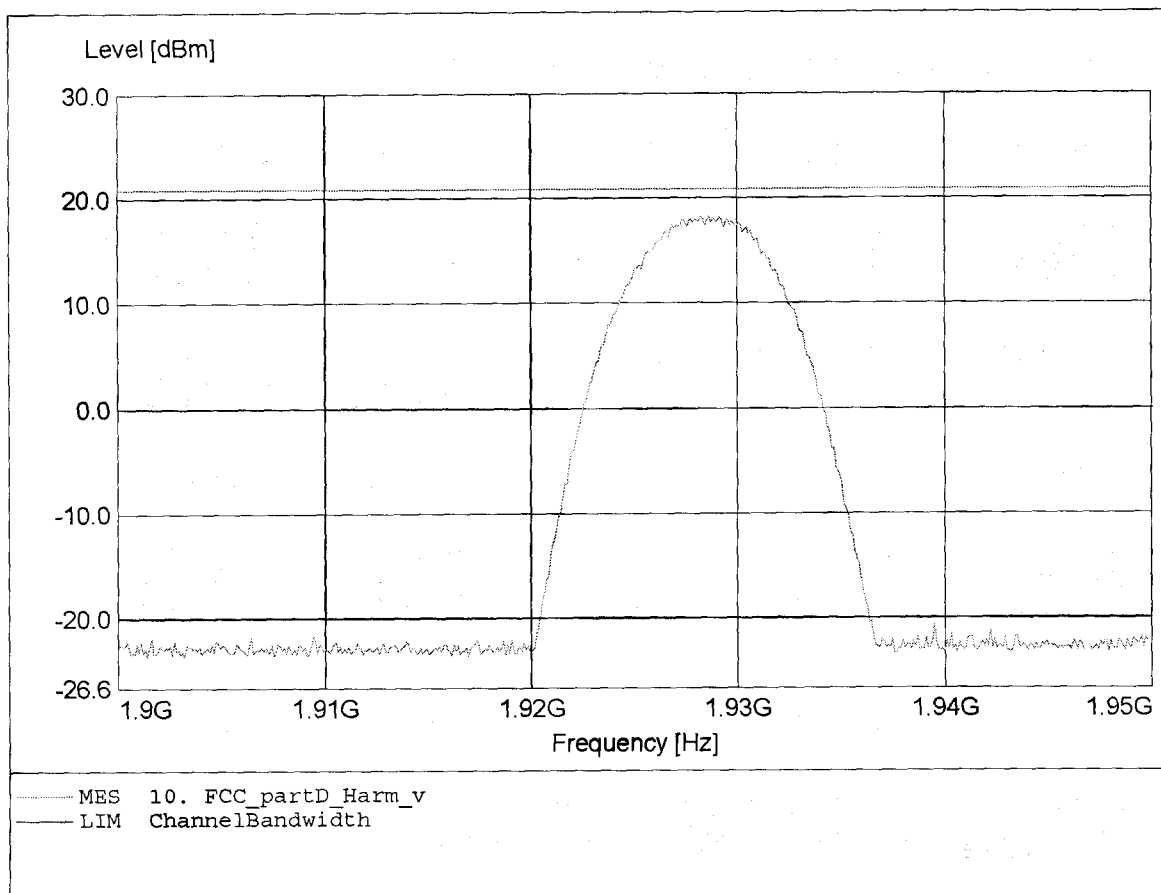
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 1 / Ch.: 2
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:3.80dBm RBW: 5 MHz



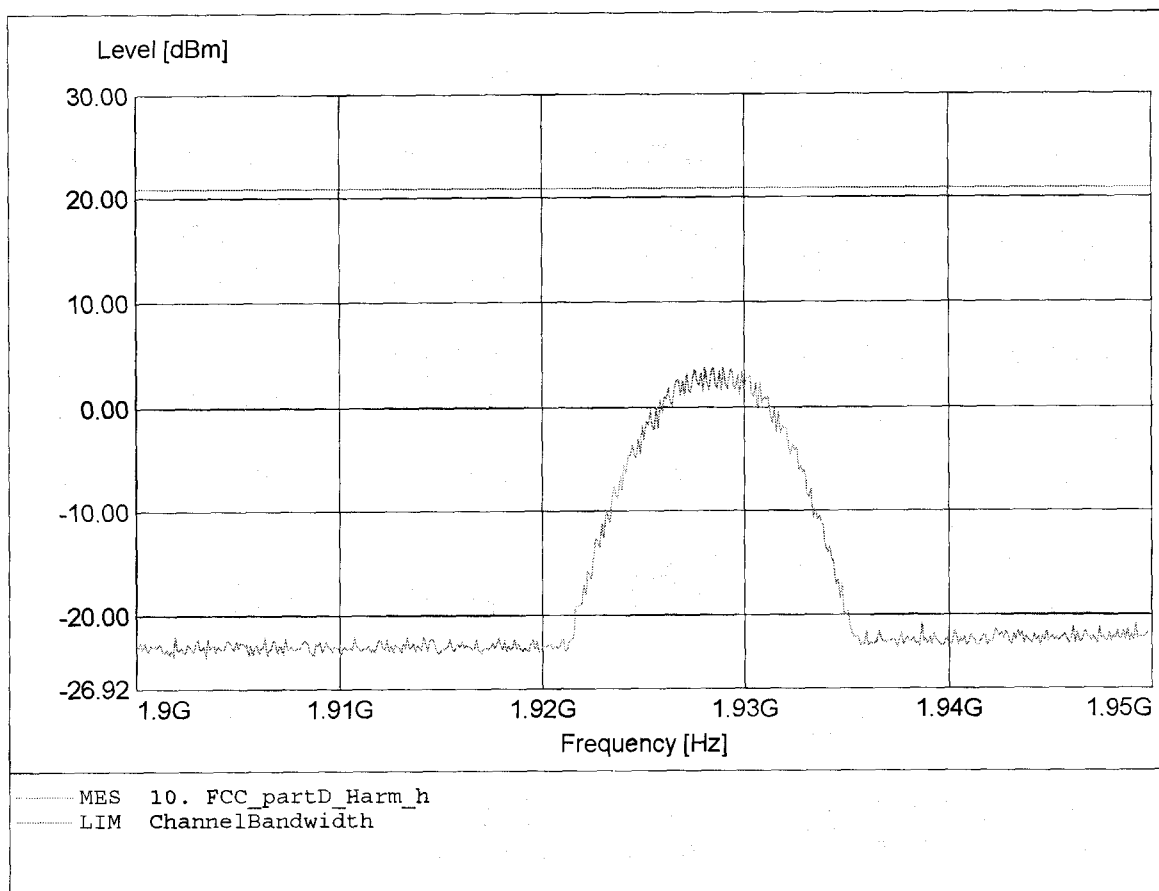
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 1 / Ch.: 0
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.929GHz Pmax:18.25dBm RBW: 5 MHz



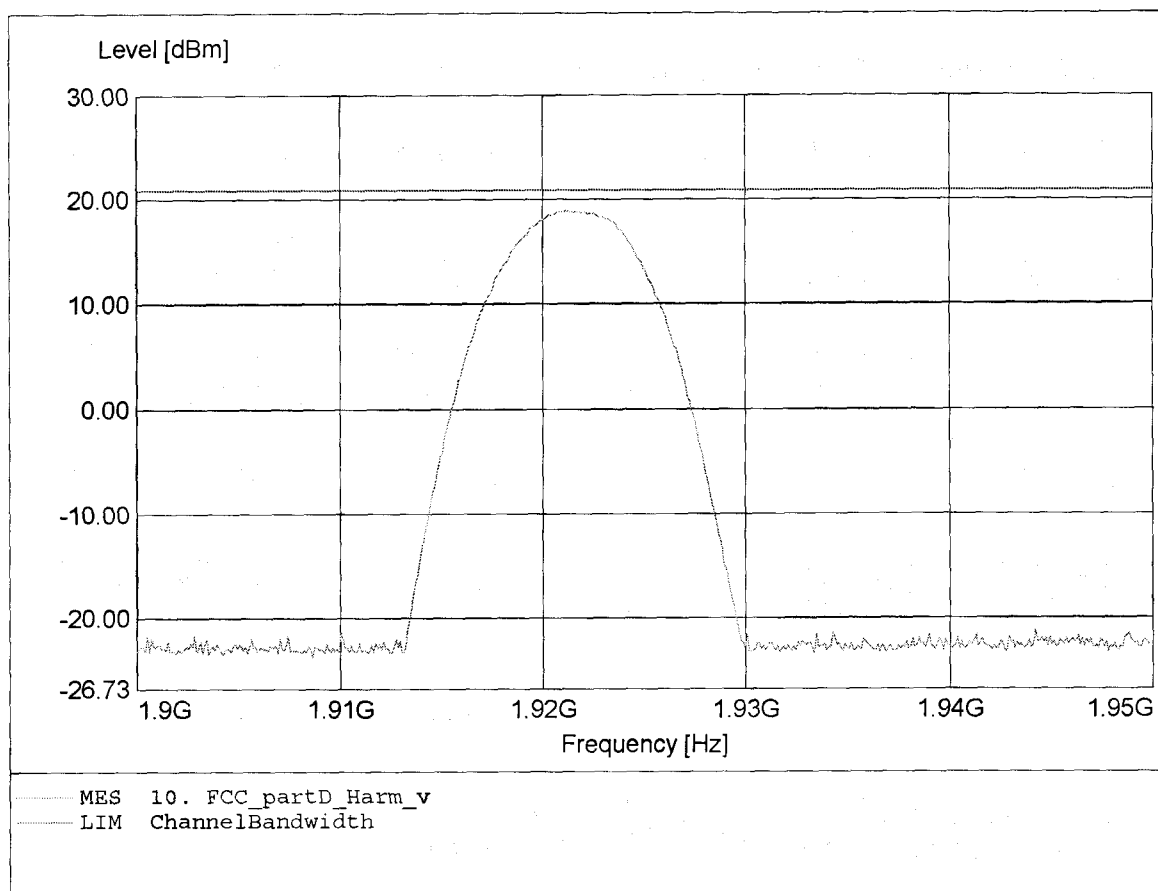
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 1 / Ch.: 0
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.929GHz Pmax:3.85dBm RBW: 5 MHz



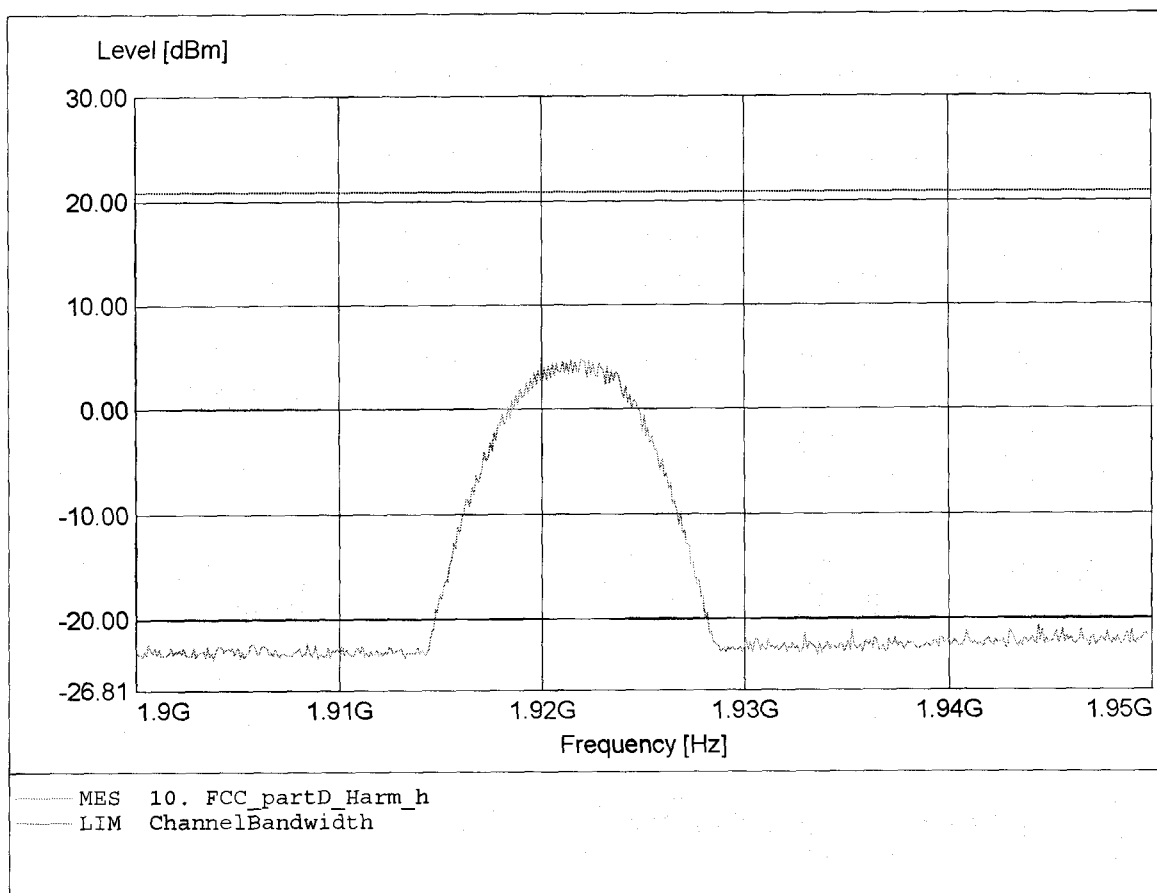
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 2 / Ch.: 4
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.921GHz Pmax:18.87dBm RBW: 5 MHz



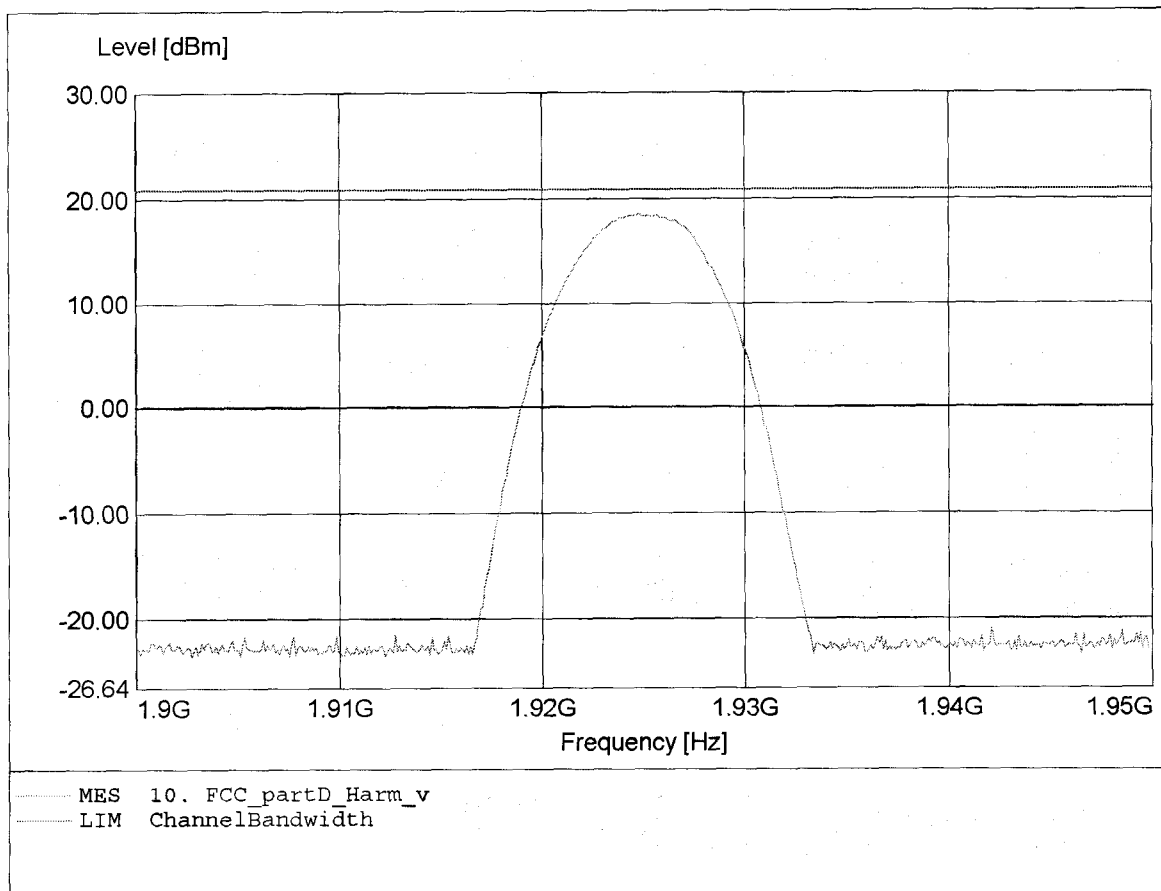
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 2 / Ch.: 4
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.922GHz Pmax:4.78dBm RBW: 5 MHz



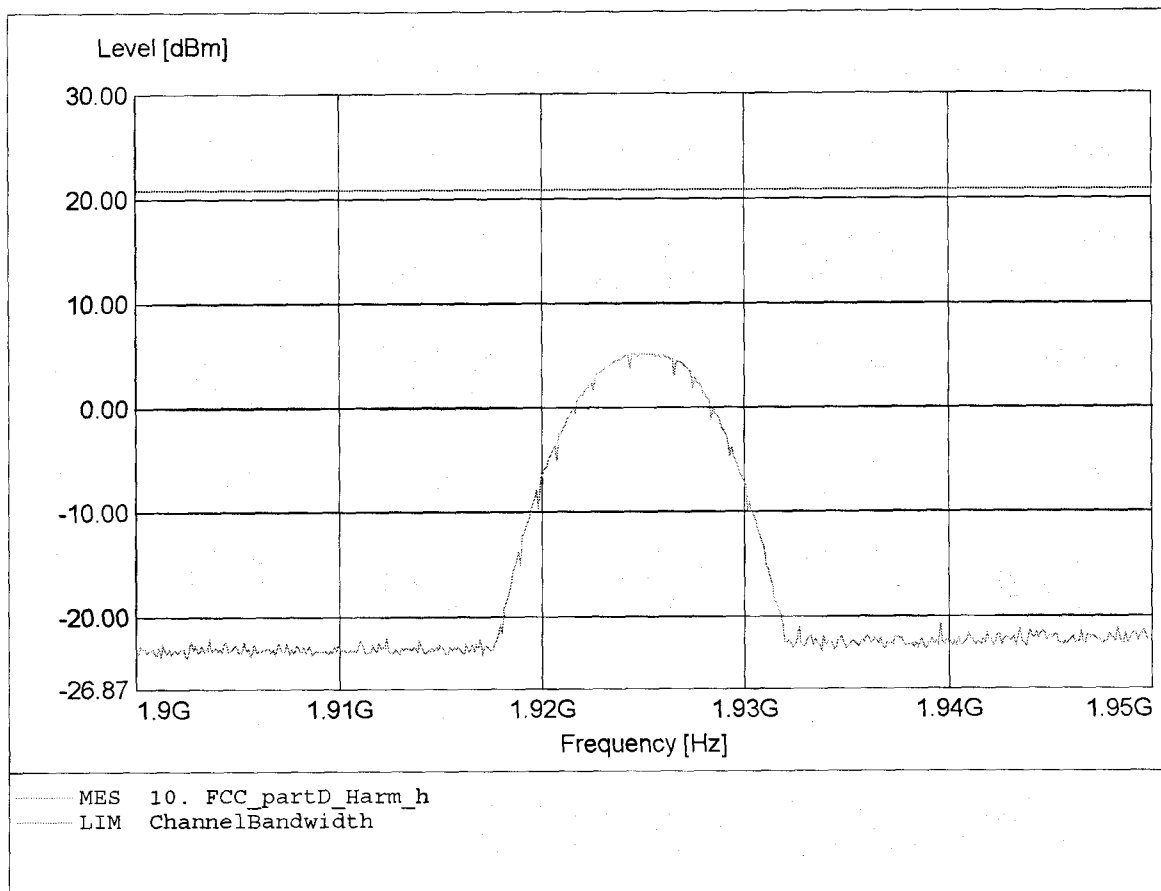
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 2 / Ch.: 2
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:18.60dBm RBW: 5 MHz



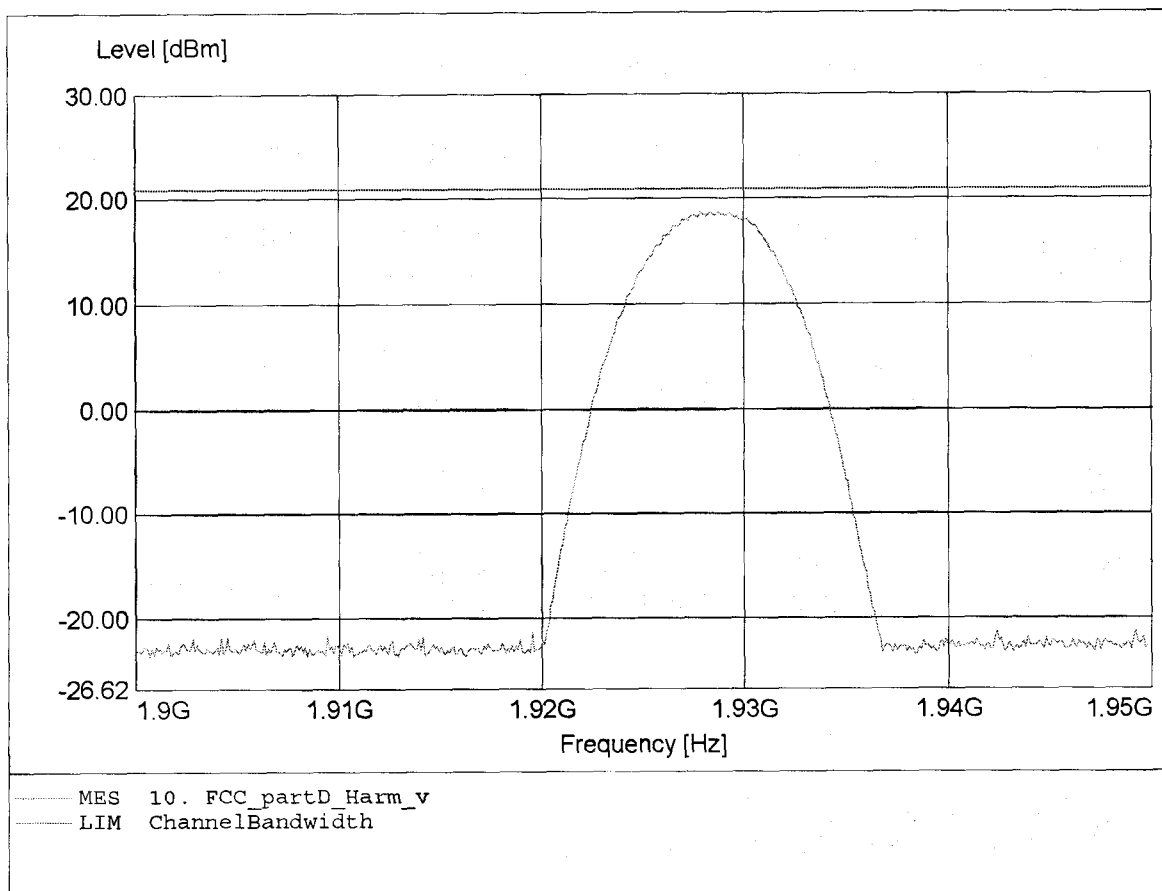
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 2 / Ch.: 2
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.926GHz Pmax:5.19dBm RBW: 5 MHz



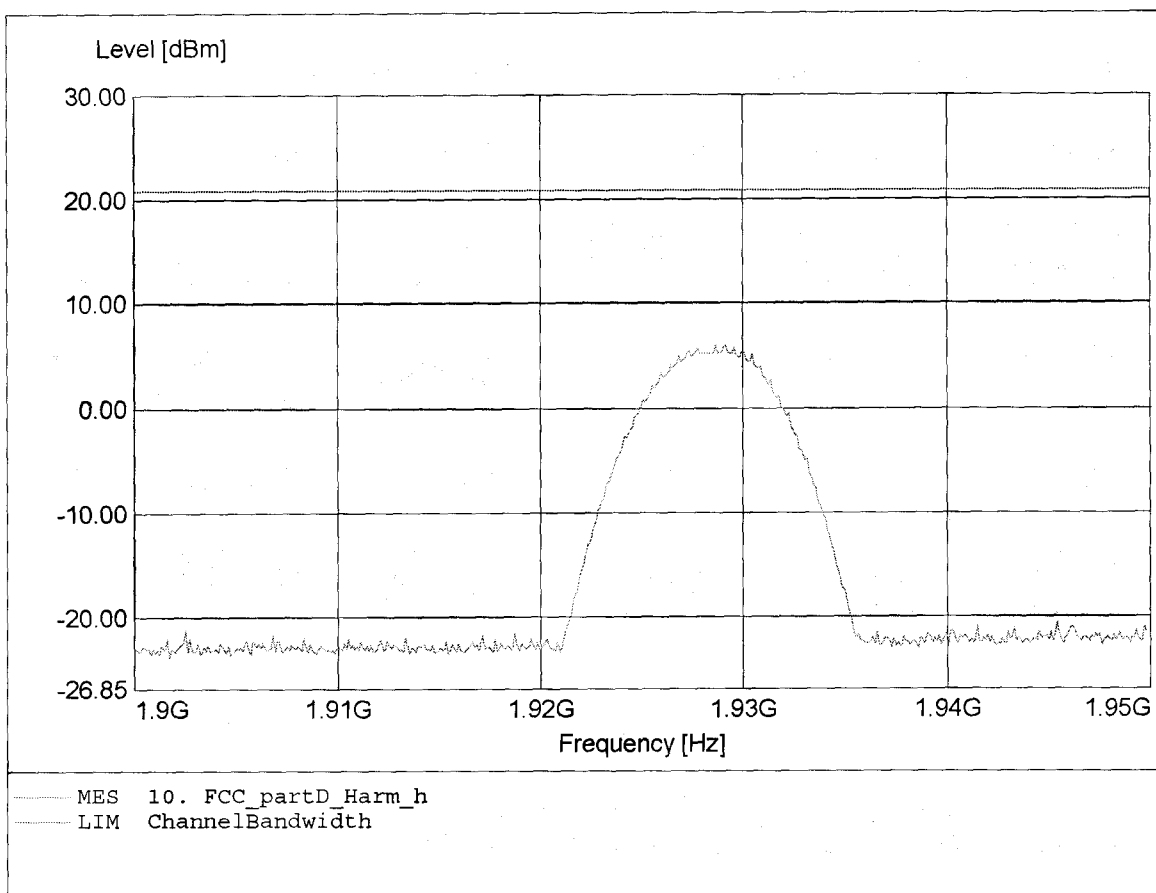
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
 EUT: US-DECT Remote Fix Part
 Model: BS-330 / Ant.: 2 / Ch.: 0
 Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
 Test Site / Operator: ETS / Mr. Handrik
 Test Specification: Fully anechoic chamber / mode: Tx
 Comment 1: Dist.: 3m, Ant.: HL 025,
 Comment 2: Freq:1.929GHz Pmax:18.65dBm RBW: 5 MHz



Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: Ascom Tateco AB
EUT: US-DECT Remote Fix Part
Model: BS-330 / Ant.: 2 / Ch.: 0
Temperature/ Voltage: Temp.: 23°C, Unom.: 30 VDC
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.929GHz Pmax:5.99dBm RBW: 5 MHz



Appendix K

Monitoring threshold

Test case

ANSI_Rev. Draft 7.3.1.1.2_least_interfered_channel

Date 29.06.2005

Reference to the EUT

BS330

Comment:

Rev. Draft 7.3.1.1.2 1)

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	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	
00:15:11.6718750	-37,4 -72,8	-22,6 -45,5	-35,6 -70,4	-45,7 -76,3	-53,9 -81,5	Interferers off
00:15:24.9531250	-51,4 -62,5	-50,1 -62,4	-49,3 -65,1	-44,2 -69,2	-23,5 -46,5	OK 1
00:15:25.8437500	-53,5 -50,7	-62,1 -62,1	-48,2 -62,5	-41,2 -66,6	-73,5 -76,5	Interferers off
00:15:25.9687500	-57,2 -61,2	-52,1 -61,1	-48,6 -58,1	-44,4 -68,1	-23,5 -46,2	OK 2
00:15:35.5312500	-47,3 -78,2	-41,1 -72,4	-22,4 -47,5	-41,5 -73	-45 -75,6	Interferers off
00:15:57.9062500	-53,4 -62,6	-54,2 -61,1	-50 -63,1	-43,3 -67,3	-23,5 -46,2	OK 3
00:16:06.8125000	-54,8 -82,8	-52,7 -78,4	-51,4 -80,1	-43,1 -75,2	-88,1 -97,2	Interferers off
00:16:06.9218750	-55,4 -82,3	-53,3 -78,3	-51,5 -80,5	-41,7 -70,8	-23,2 -46,5	OK 4
00:16:13.6250000	-44 -76,3	-23,7 -49,5	-41,5 -72,6	-43,7 -79,6	-42,1 -75,3	Interferers off
00:16:17.1250000	-43,5 -63	-24,8 -49,3	-46,4 -62,3	-41,7 -66,7	-23,5 -47,1	OK 5
00:16:19.6093750	-52,4 -61,1	-50,6 -61,1	-44,5 -62,5	-23,5 -47,5	-72,1 -78,1	Interferers off

Log file

Test case ANSI_Rev. Draft 7.3.1.1.2_least_interfered_channel
 Date 29.06.2005
 Reference to the EUT BS330
 Comment: Rev. Draft 7.3.1.1.2 2)

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	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	
00:21:19.250000	-23,6 -49,9	-23,6 -49,3	-42,9 -75,3	-50,4 -81	-53,9 -85,4	Interfearers off
00:21:36.4218750	-51,4 -61,8	-47,7 -61,8	-43,4 -62,6	-23,6 -46,7	-42,6 -68,2	OK 1
00:21:37.0625000	-52,9 -62,2	-48,8 -61,7	-41,1 -61,3	-74,9 -76,3	-41,7 -67,5	
00:21:37.1718750	-49,6 -61,7	-51,8 -61,8	-41,7 -61,5	-23,2 -46,2	-46,4 -68,9	OK 2
00:21:49.1250000	-24 -47,6	-23,5 -49,8	-23,4 -50,2	-45,7 -77,6	-49,2 -80,3	
00:22:03.7343750	-49,3 -61,1	-47,1 -60,7	-41,8 -63	-22,6 -46,7	-38,8 -66,2	OK 3
00:22:07.7812500	-51,6 -82	-47,4 -76,4	-37,3 -70,2	-88,9 -98,8	-42,5 -70,7	
00:22:07.8906250	-50,6 -83,1	-46,9 -77,7	-39,2 -70,7	-23,2 -45,1	-41,9 -73,1	OK 4
00:22:13.1406250	-22,3 -48	-40,2 -69,4	-23,5 -48,1	-38,9 -70,8	-47,2 -79,2	
00:22:28.8437500	-51,3 -62,2	-49 -63,4	-42,8 -61,8	-22,9 -45,3	-43,6 -67,6	OK 5

Log file

Test case ANSI Rev. Draft 7.3.1.1.2_least_interfered_channel
 Date 27.06.2005
 Reference to the EUT BS330
 Comment: Rev. Draft 7.3.1.1.2 3)

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	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	
00:47:56.5625000	- 54,5 - 62,2	- 52,6 - 61,4	- 48,3 - 62,9	- 37,3 - 70,5	- 79,6 - 81,6	
00:47:56.6718750	- 52 - 63,1	- 50 - 61,6	- 50,1 - 63,2	- 37,9 - 71,1	- 22,7 - 45,9	OK 1
00:48:09.5312500	- 24,4 - 44,9	- 42,7 - 72,1	- 45,4 - 77,9	- 51,1 - 81,4	- 51,7 - 84,8	
00:48:15.7500000	- 53,4 - 62,3	- 48,4 - 60,9	- 45,5 - 62,4	- 41,6 - 70,7	- 23,2 - 45,7	OK 2
00:48:17.0312500	- 51,8 - 63,3	- 52,1 - 61,4	- 44,8 - 61,1	- 37,3 - 69,3	- 79,3 - 82,3	
00:48:17.1562500	- 49,9 - 62,6	- 47,5 - 61,3	- 45,5 - 60,7	- 42 - 72,3	- 22 - 44,8	OK 3
00:48:25.0625000	- 25,2 - 48,9	- 23,1 - 48	- 42,7 - 76,3	- 52 - 80,6	- 55,1 - 83,6	
00:48:33.0312500	- 50,4 - 60,9	- 49,7 - 61,3	- 47 - 62,9	- 42 - 71,7	- 23,2 - 45,1	OK 4
00:48:41.2187500	- 25,2 - 50,1	- 22,6 - 48,3	- 45,3 - 77	- 49,4 - 81,8	- 53,5 - 83,8	
00:48:48.0781250	- 51,1 - 62,3	- 45,9 - 62,6	- 42,2 - 62	- 23,8 - 48,2	- 23,2 - 45,6	OK 5

Log file

Test case ANSI_Rev.Draft_7.3.1.1.2_least_interfered_channel
 Date 27.06.2005
 Reference to the EUT BS330
 Comment: Rev. Draft 7.3.1.1.2 4)

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	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	Peak in dBm RMS in dBm	
00:56:51.6093750	- 49,3 - 62,2	- 44,3 - 63,3	- 40,2 - 60,9	- 79,7 - 82,4	- 39,2 - 69,8	Interferers off
00:56:51.7343750	- 52,5 - 61,4	- 45,8 - 62,8	- 40,8 - 60,6	- 22,4 - 44,8	- 42,2 - 70,7	OK 1
00:59:12.4062500	- 49,7 - 82,5	- 43,2 - 75,5	- 24,6 - 50,1	- 87 - 97,1	- 42,8 - 75,6	
00:59:12.5000000	- 48,6 - 82,3	- 41,8 - 72,8	- 22,1 - 50,8	- 23,2 - 51	- 46,6 - 78,5	OK 2
01:02:31.9843750	- 24,6 - 49,9	- 24 - 49,9	- 41,3 - 73,8	- 49,2 - 81,7	- 53 - 85,6	
01:02:39.6562500	- 51,6 - 60,7	- 46,4 - 62,9	- 42,3 - 61,1	- 22,5 - 45,2	- 40,4 - 69,4	OK 3
01:02:42.3281250	- 53,1 - 85,5	- 51,4 - 78,8	- 40,6 - 73,6	- 79,9 - 81,8	- 23,5 - 49,8	
01:02:42.4218750	- 24,5 - 49,4	- 47,1 - 76,6	- 44,5 - 75,2	- 23,1 - 50,7	- 23,1 - 49,4	OK 4
01:02:46.7812500	- 24,9 - 47,8	- 22,9 - 48,9	- 40,5 - 73,1	- 45,4 - 78,8	- 48,4 - 80,5	
01:02:55.1093750	- 55,1 - 62,2	- 49,3 - 62,1	- 43,7 - 62	- 22,9 - 48,3	- 47,2 - 71,8	OK 5

Log file

Test case

Rev. Draft ANSI_7.3.1.1.3_upper_threshold

Date 29.06.2005 11:36:15

Reference to the EUT

BS330

Comment:

Bandwidth=1,4MHz

Measured transmit power = 18,86dBm

calculated upper limit=-54,7dBm with 6dB margin

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	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	
00:00:44.6875000	-82,2 -90,9	-82,4 -90,9	-60,4 -84,9	-43,7 -68,8	-17,5 -41,9	Interferers off bearer is on
00:00:59.4375000	-53,4 -53,7	-53,8 -54,2	-54 -54,4	-52,1 -53,1	-51,7 -52	-53
00:01:20.7031250	-53,8 -54,2	-53,6 -53,9	-53,2 -53,9	-54,9 -55,5	-54,8 -55,3	-54
00:01:42.1250000	-54,8 -55,3	-55,7 -56,2	-55,9 -56,3	-56 -56,5	-55,7 -56,3	-55
00:02:09.2656250	-56,3 -56,8	-55,5 -56,2	-55,2 -55,6	-54,9 -55,4	-54,7 -55,1	-56
00:02:36.4687500	-56,7 -57,5	-56,6 -57	-56,2 -56,6	-55,9 -56,4	-55,6 -56,5	-57
00:02:48.6406250	-58,3 -58,8	-58,6 -59,2	-58,7 -59,4	-56,9 -58,1	-56,6 -57,1	-58
00:02:56.9531250	-59,2 -59,8	-59,6 -60,2	-59,6 -60,4	-57,9 -58,4	-57,5 -58,1	-59
00:03:28.7031250	-57,1 -60,2	-59,3 -60,1	-59,1 -60,7	-43,1 -60,7	-17,3 -41,6	-60 bearer is on

Log file