



Appendix B

Coordination with fixed microwave service

UTAM, Inc.

SECTION 15.307(b) AFFIDAVIT

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

KIRK Telecom, A/S

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 12th day of July, 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 #: KIRK071205



Appendix C

Reference to Subpart B



Appendix D

Labeling requirements

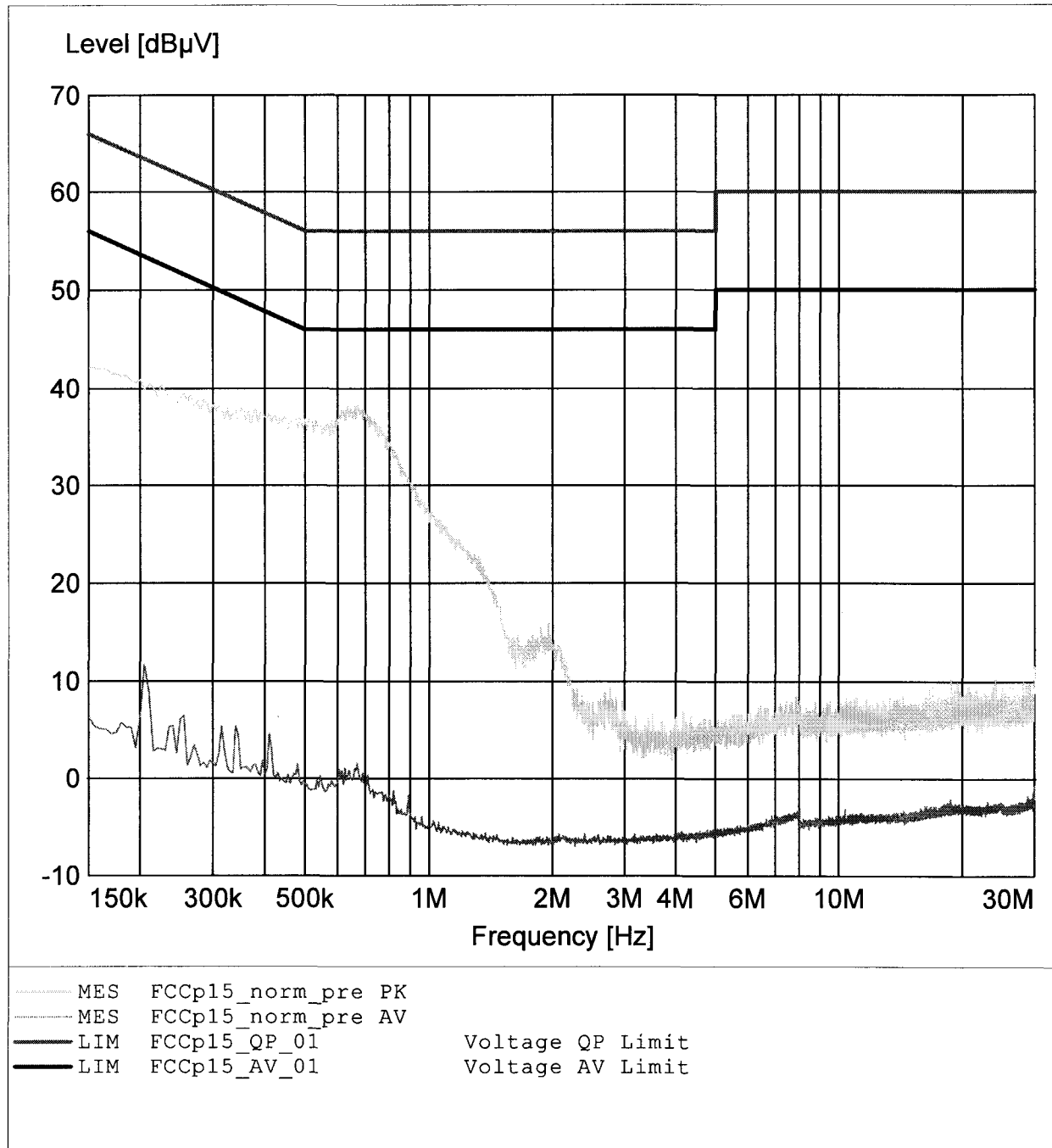


Appendix E

Conducted limits AC Power line

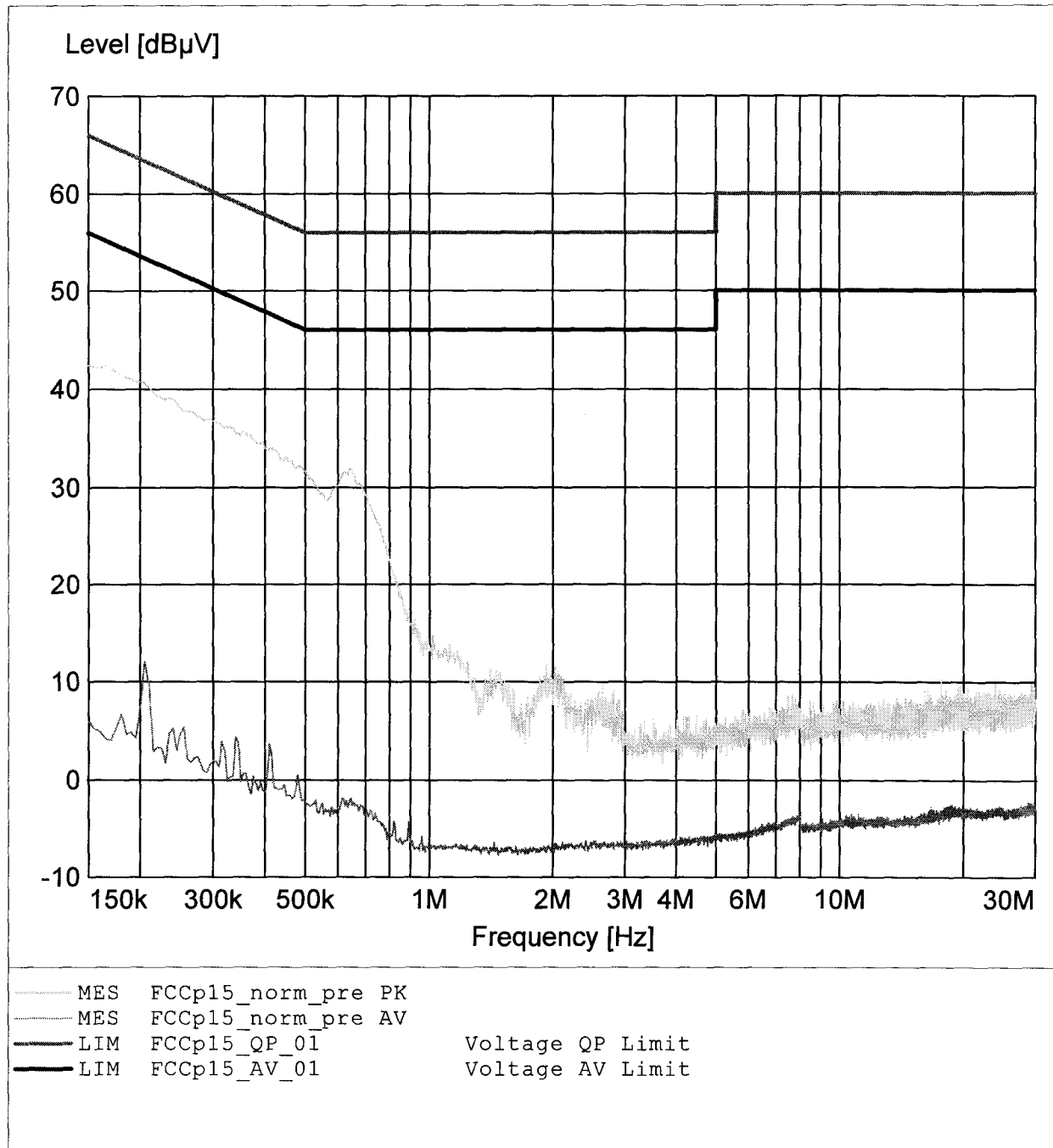
EMI voltage test in the ac-mains according to FCC part 15

EUT: KIRK UPCS (DECT based) Repeater (WRFP)
 Manufacturer: Kirk telecom A/S
 Operating Condition: Unom: 120 VAC (AC/DC-ADAPTOR) , Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Pflug
 Test Specification: V-Network: ESH2-Z5 (N)
 Comment: model: WRFP41G9
 Start of Test: 16.09.2005 / 08:01:22



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

EUT: KIRK UPCS (DECT based) Repeater (WRFP)
 Manufacturer: Kirk telecom A/S
 Operating Condition: Unom: 120 VAC (AC/DC-ADAPTOR) , Tnom: 23°C
 Test Site: ETS
 Operator: Mr. Pflug
 Test Specification: V-Network: ESH2-Z5 (L1)
 Comment: model: WRFP41G9
 Start of Test: 16.09.2005 / 07:48:37





Appendix F

Emission band width



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

-6 dB points

Lower frequency : 1921.124MHz
Higher frequency : 1921.548MHz

-12 dB points

Lower frequency : 1921.086MHz
Higher frequency : 1921.896MHz

Measurement diagram

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3 UPCS

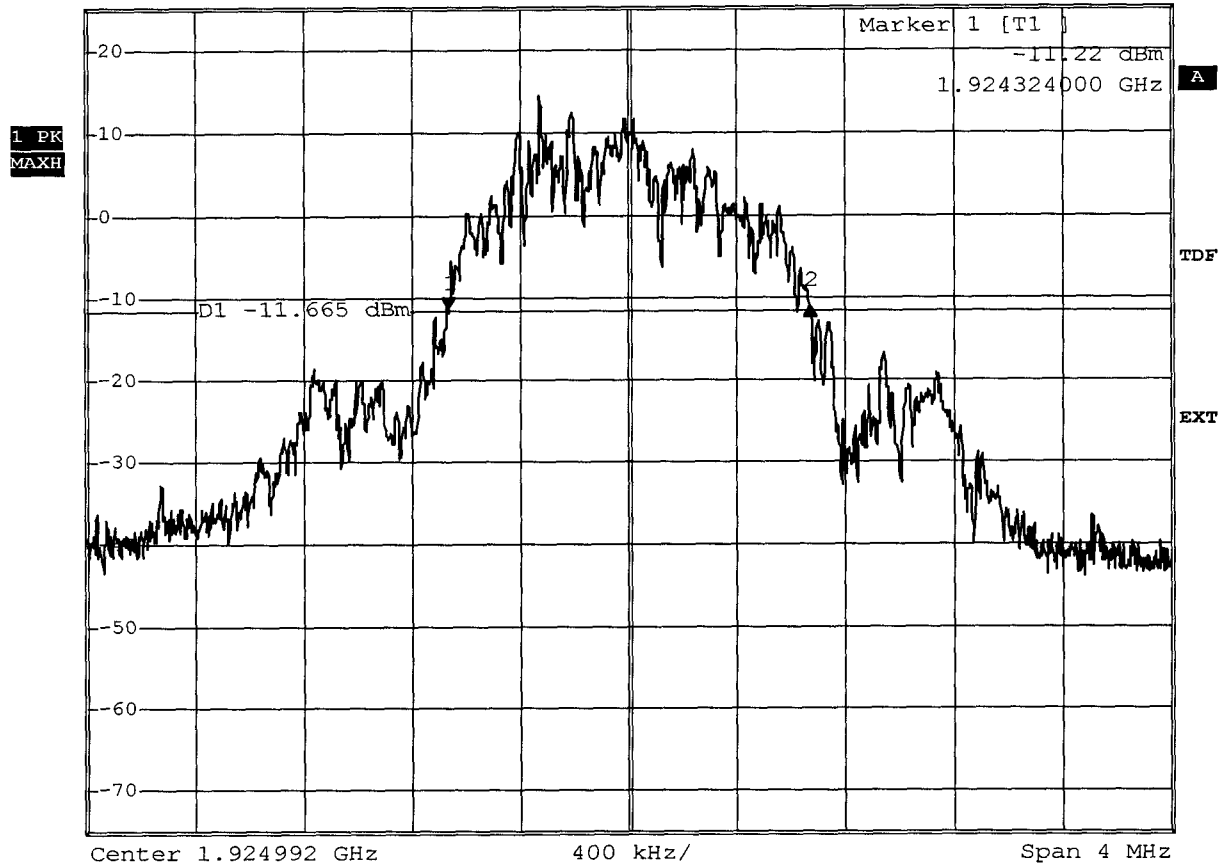
EUT KIRK UPCS (DECT based) Repeater (WRFP)
 Model WRFP4 1G9
 Applicant Kirk telecom A/S
 Temperature 23°C
 Test Site / Operator ETS Reichenwalde
 Test Specification 6.1.3 Emission bandwidth

Measured Bandwidth Emission Bandwidth = 1.34MHz

Test result Verdict = PASS



Emission Bandwidth *RBW 10 kHz Delta 2 [T1]
 *VBW 30 kHz 0.19 dB
 Ref 25 dBm *Att 40 dB SWT 40 ms 1.34200000 MHz



Comment: Ansi C63.17-1998 6.1.3
 Date: 4.SEP.2005 13:21:01

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 : 1924.578MHz
Higher frequency : 1925.052MHz

-12 dB points

Lower frequency : 1924.536MHz
Higher frequency : 1925.322MHz

Measurement diagram

FCC Part 15.303(b) Emission bandwidth

Testprocedure ANSI 63.17-1998 6.1.3
 UPCS

EUT KIRK UPCS (DECT based) Repeater (WRFP)
 Model WRFP4 1G9
 Applicant Kirk telecom A/S
 Temperature 23°C
 Test Site / Operator ETS Reichenwalde
 Test Specification 6.1.3 Emission bandwidth

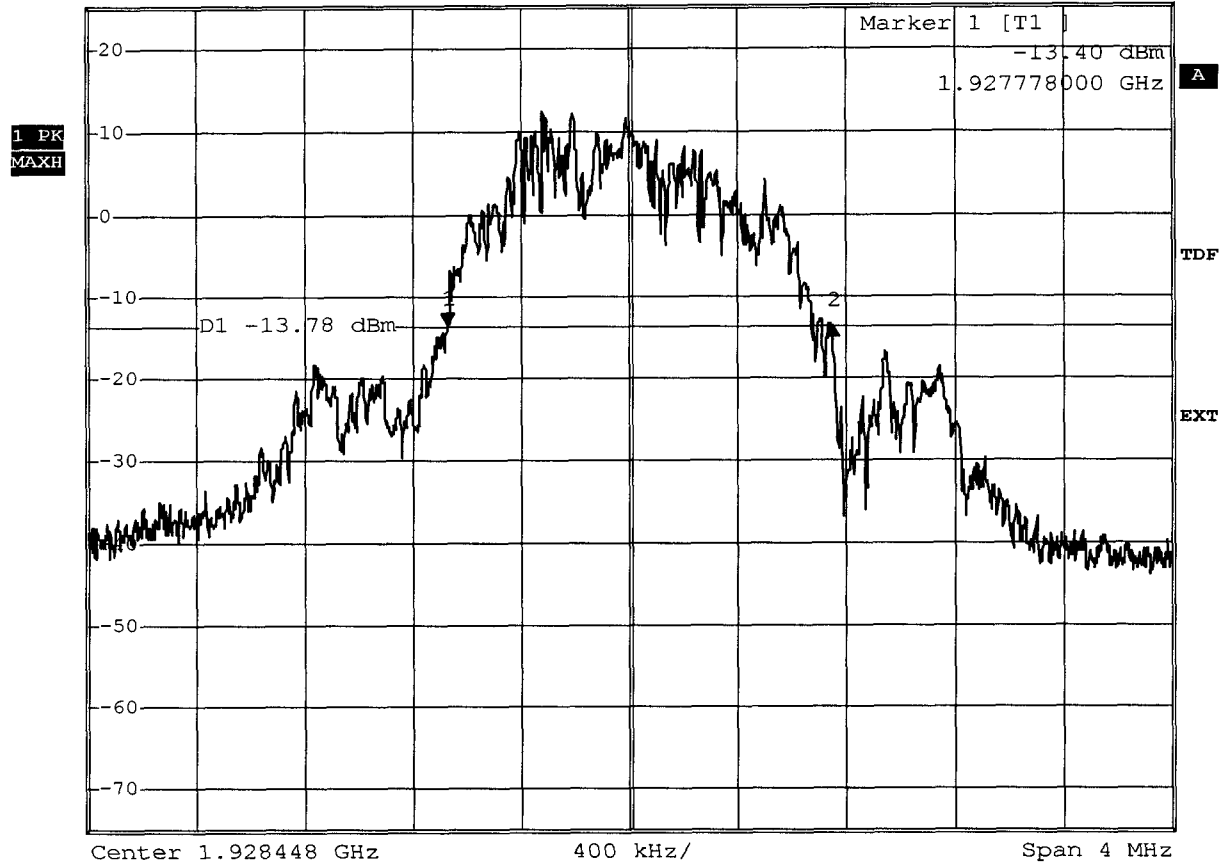
Measured Bandwidth Emission Bandwidth = 1.42MHz

Test result Verdict = PASS



Emission Bandwidth

*RBW 10 kHz Delta 2 [T1]
 *VBW 30 kHz -0.23 dB
 Ref 25 dBm *Att 40 dB SWT 40 ms 1.418000000 MHz



Comment: Ansi C63.17-1998 6.1.3
 Date: 4.SEP.2005 13:22:06

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 : 1928.032MHz
Higher frequency : 1928.72MHz

-12 dB points

Lower frequency : 1927.906MHz
Higher frequency : 1929.02MHz

Measurement diagram



Appendix G

Peak Transmit Power



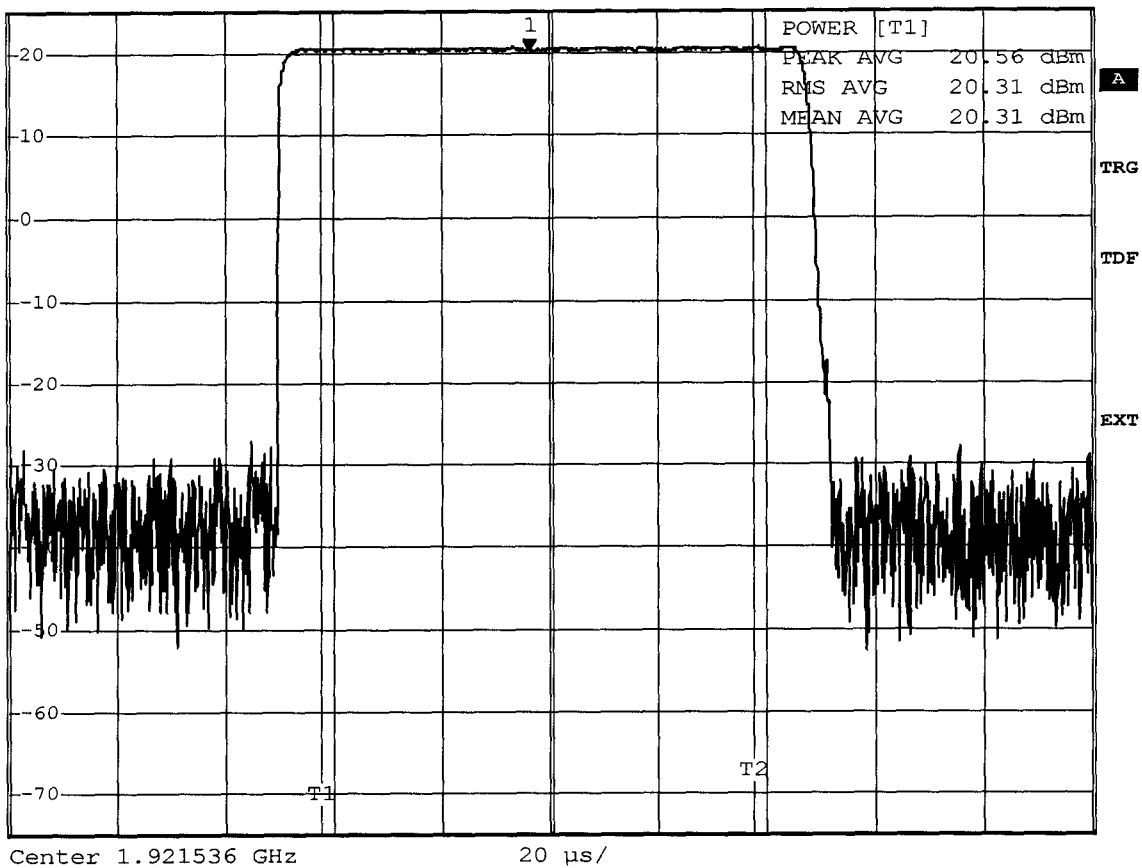
FCC Part 15.319(c) Peak Transmit Power limit

**Testprocedure ANSI 63.17-1998 6.1.2
UPCS**

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	V_norm
Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	20,56dBm
Test result	Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1]
 Ref 25 dBm *Att 40 dB *VBW 10 MHz 20.22 dBm
 SWT 200 µs 46.250000 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 4.SEP.2005 13:36:03

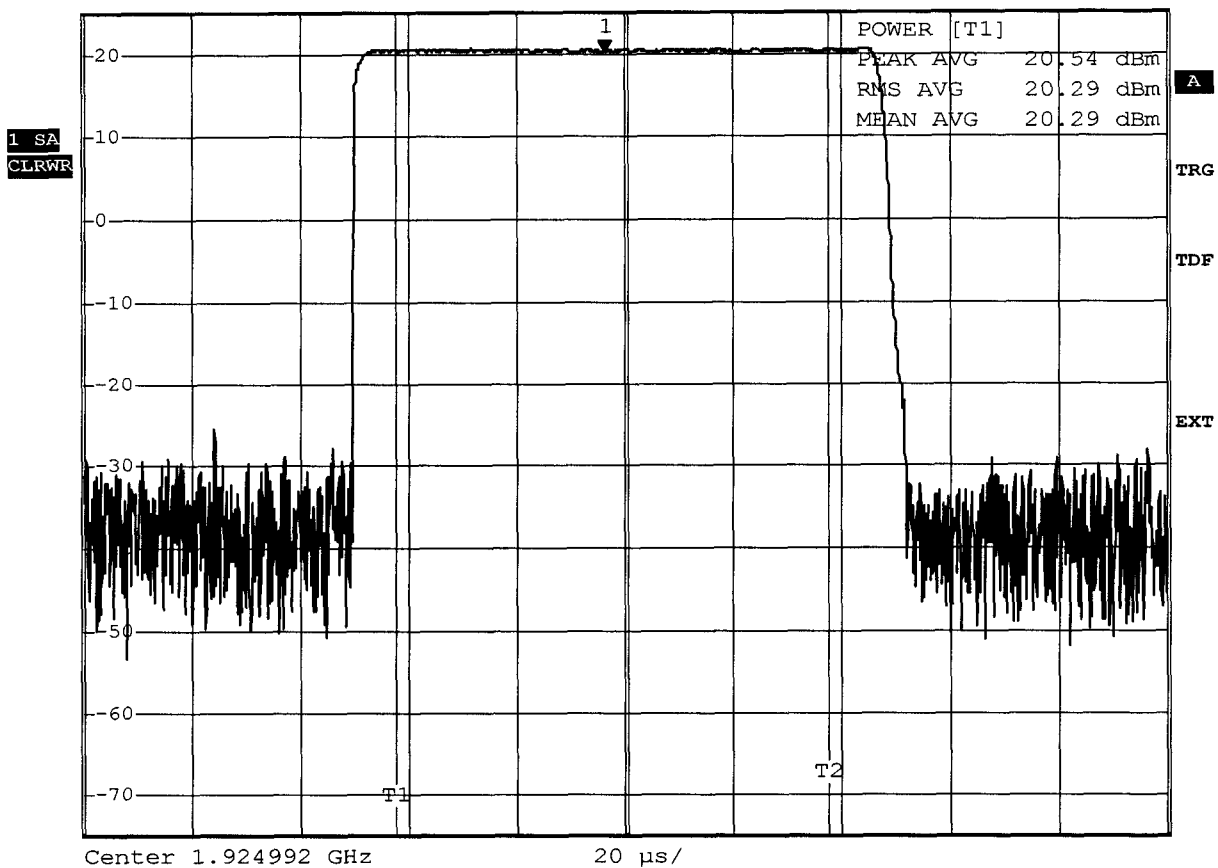
Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	V_norm
Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	20,54 dBm
Test result	Verdict = PASS

 Peak transmit power RBW 3 MHz Marker 1 [T1] 20.25 dBm
 Ref 25 dBm *Att 40 dB *VBW 10 MHz 46.250000 µs
 SWT 200 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 4.SEP.2005 13:31:37

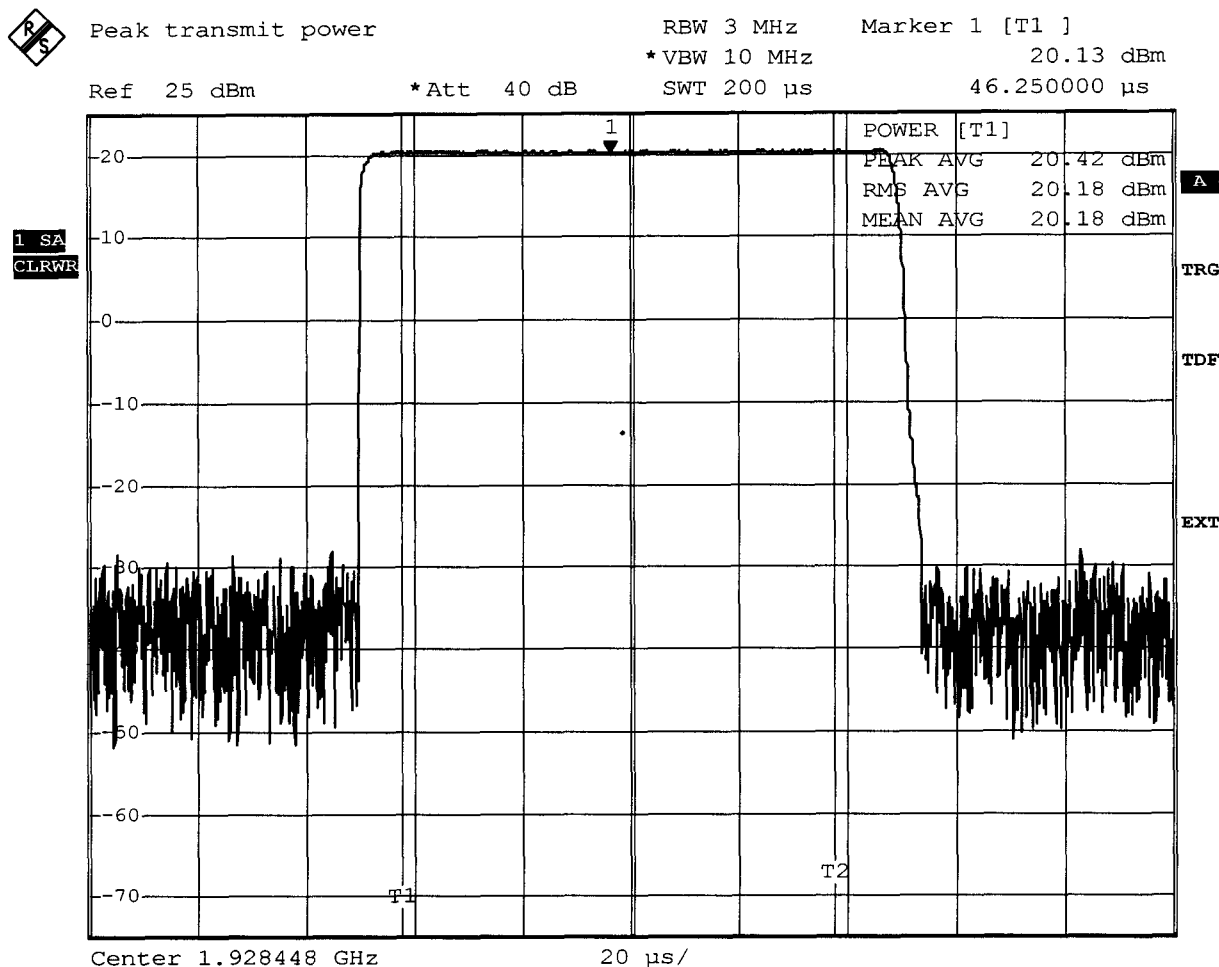
Measurement diagram



FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	V_norm
Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	20,42 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
 Date: 4.SEP.2005 13:27:29

Measurement diagram



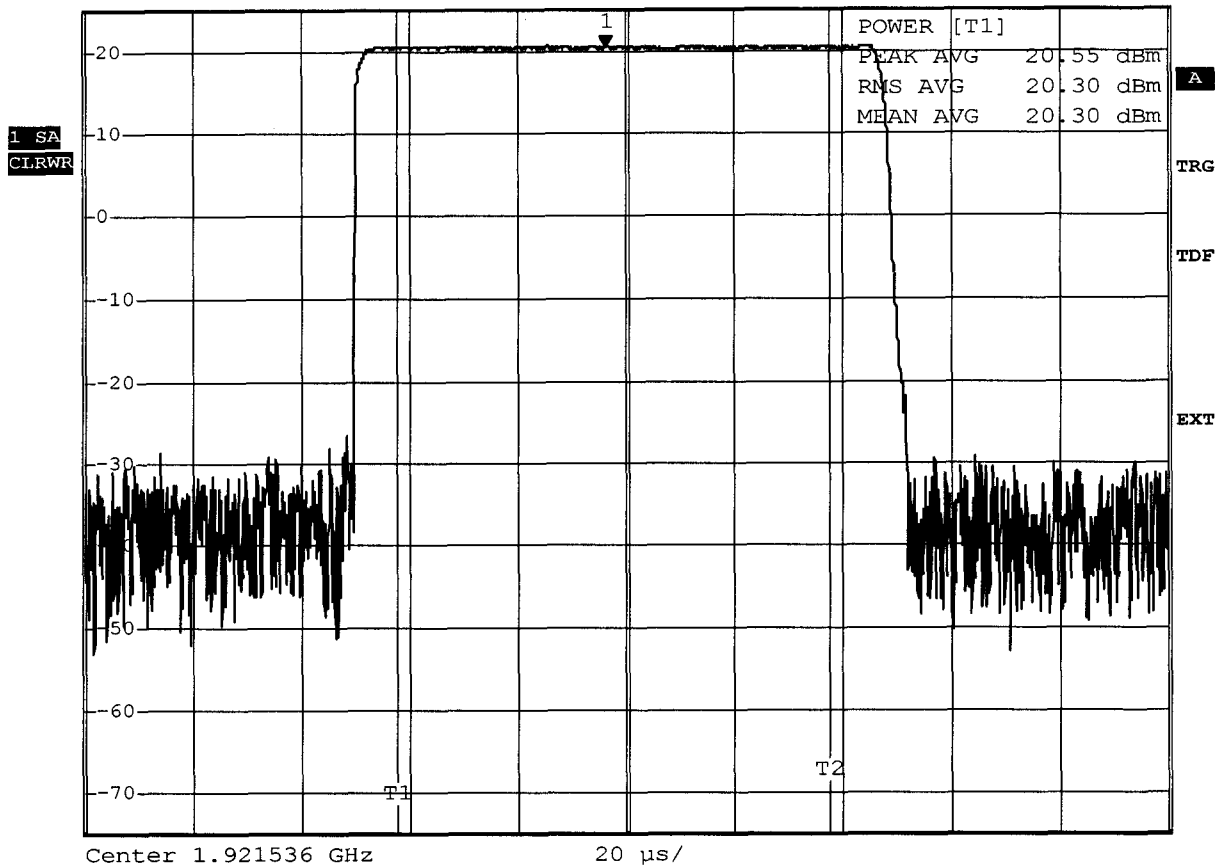
FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	V_min
Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	20,55 dBm
Test result	Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1] 20.37 dBm
 *Att 40 dB *VBW 10 MHz 46.250000 µs
 Ref 25 dBm SWT 200 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 4.SEP.2005 13:36:35

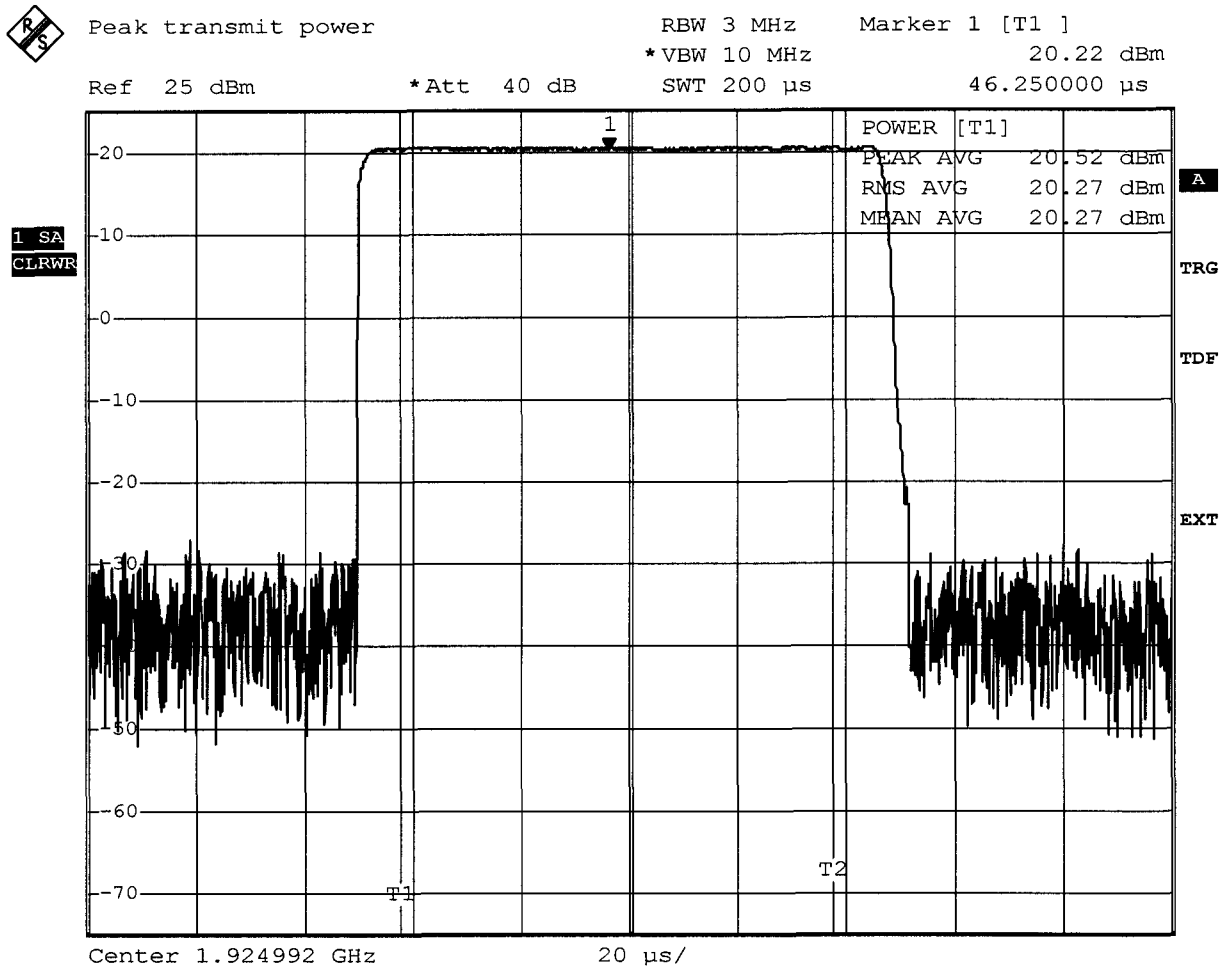
Measurement diagram



FCC Part 15.319(c) Peak Transmit Power limit

**Testprocedure ANSI 63.17-1998 6.1.2
UPCS**

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	V_min
Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	20,52 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
Date: 4.SEP.2005 13:30:49

Measurement diagram

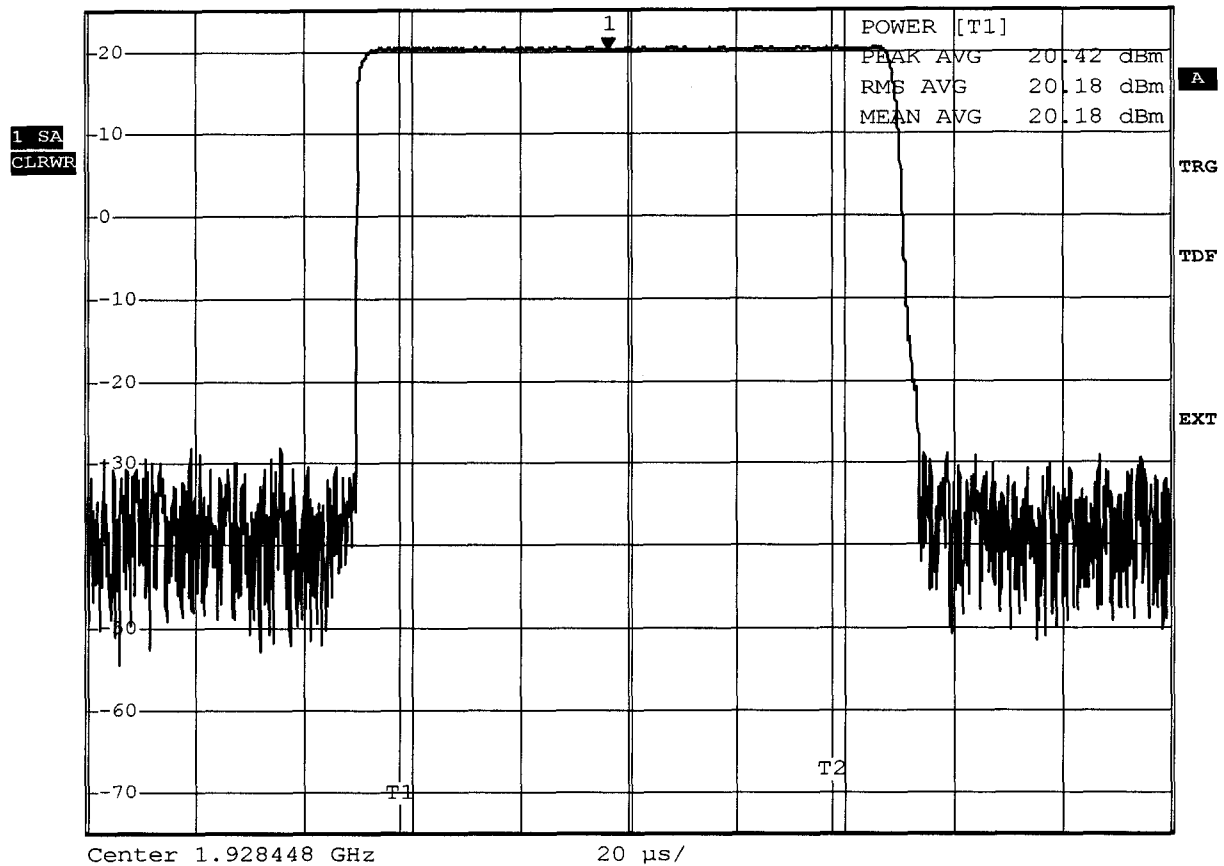
FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	V_min
Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	20,42 dBm
Test result	Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1]
 Ref 25 dBm *Att 40 dB *VBW 10 MHz 20.16 dBm
 SWT 200 µs 46.25000 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 4.SEP.2005 13:30:02

Measurement diagram

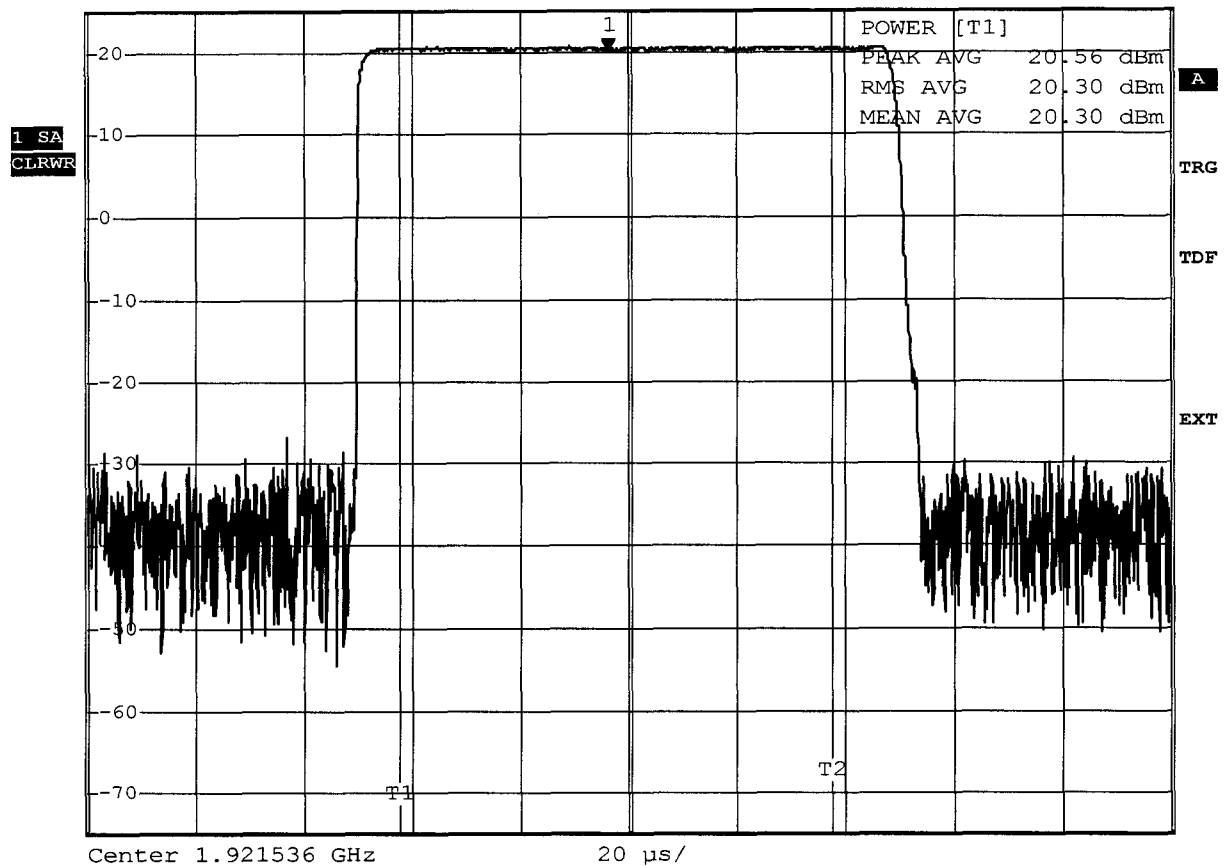
FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	V_max
Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	20,56 dBm
Test result	Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1] 20.19 dBm
 Ref 25 dBm *Att 40 dB *VBW 10 MHz 46.250000 µs
 SWT 200 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 4.SEP.2005 13:35:23

Measurement diagram

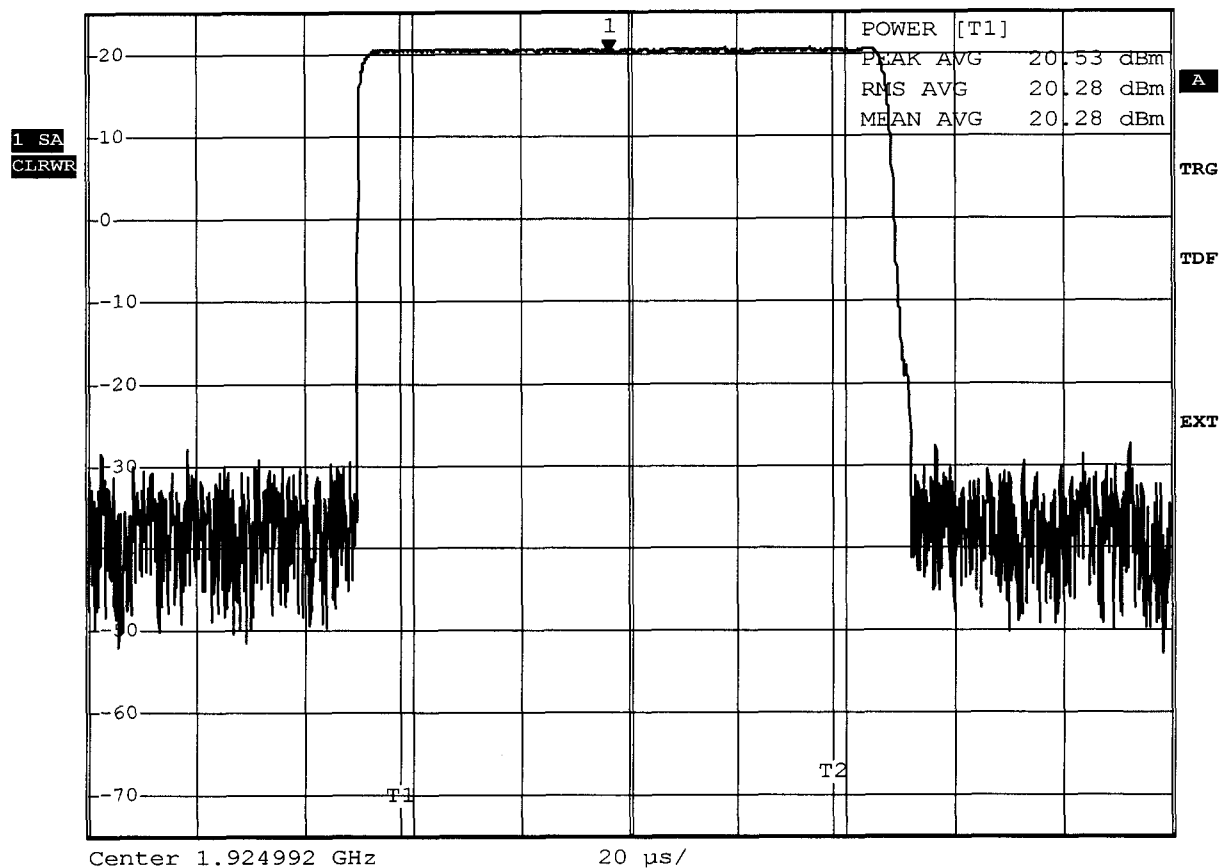
FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2
 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	V _{max}
Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	20,53 dBm
Test result	Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1] 20.22 dBm
 *VBW 10 MHz 46.250000 µs
 Ref 25 dBm *Att 40 dB SWT 200 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 4.SEP.2005 13:33:07

Measurement diagram

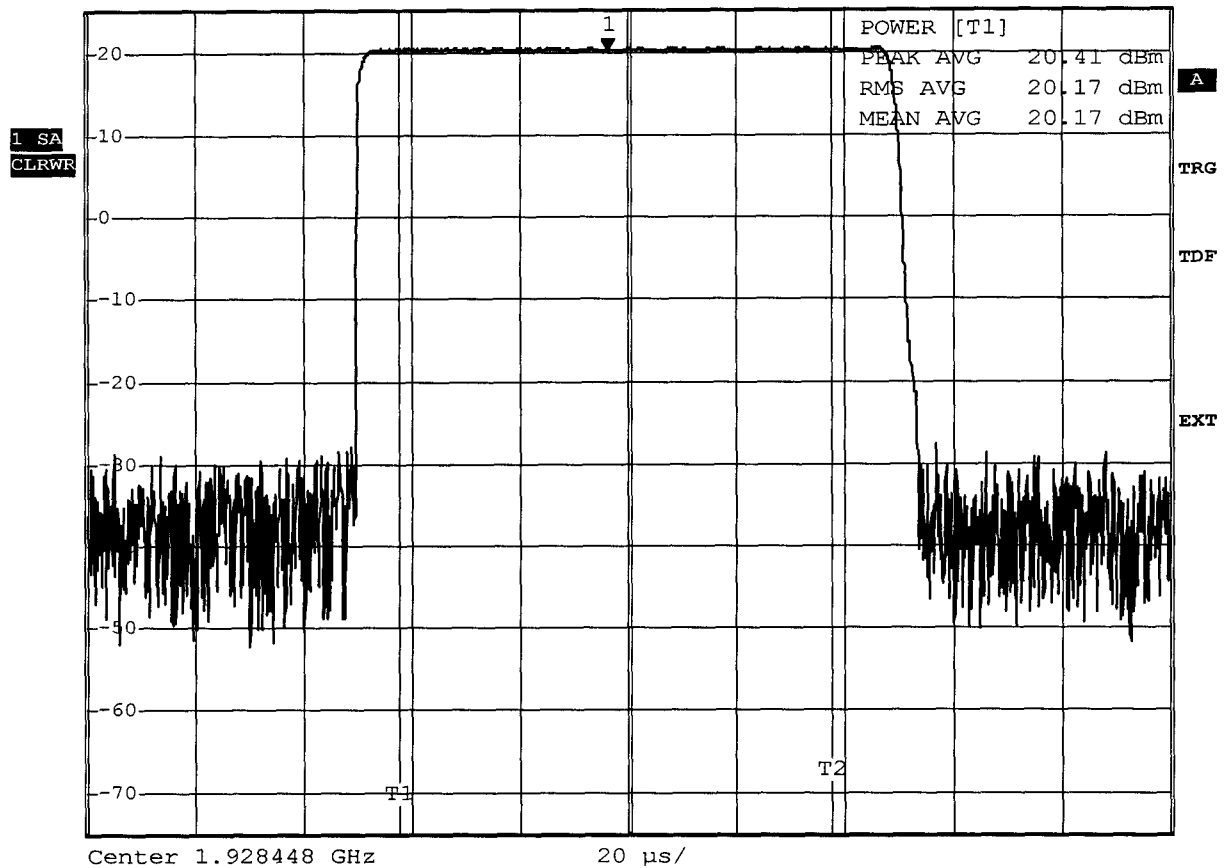
FCC Part 15.319(c) Peak Transmit Power limit

Testprocedure ANSI 63.17-1998 6.1.2 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power
Supply	V_max
Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	20,41 dBm
Test result	Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1]
 Ref 25 dBm *Att 40 dB *VBW 10 MHz 20.10 dBm
 SWT 200 µs 46.250000 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 4.SEP.2005 13:28:02

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperat. / Voltage	23°C / Unom
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power, external connector

Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	18,52 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz

Marker 1 [T1]

*VBW 10 MHz

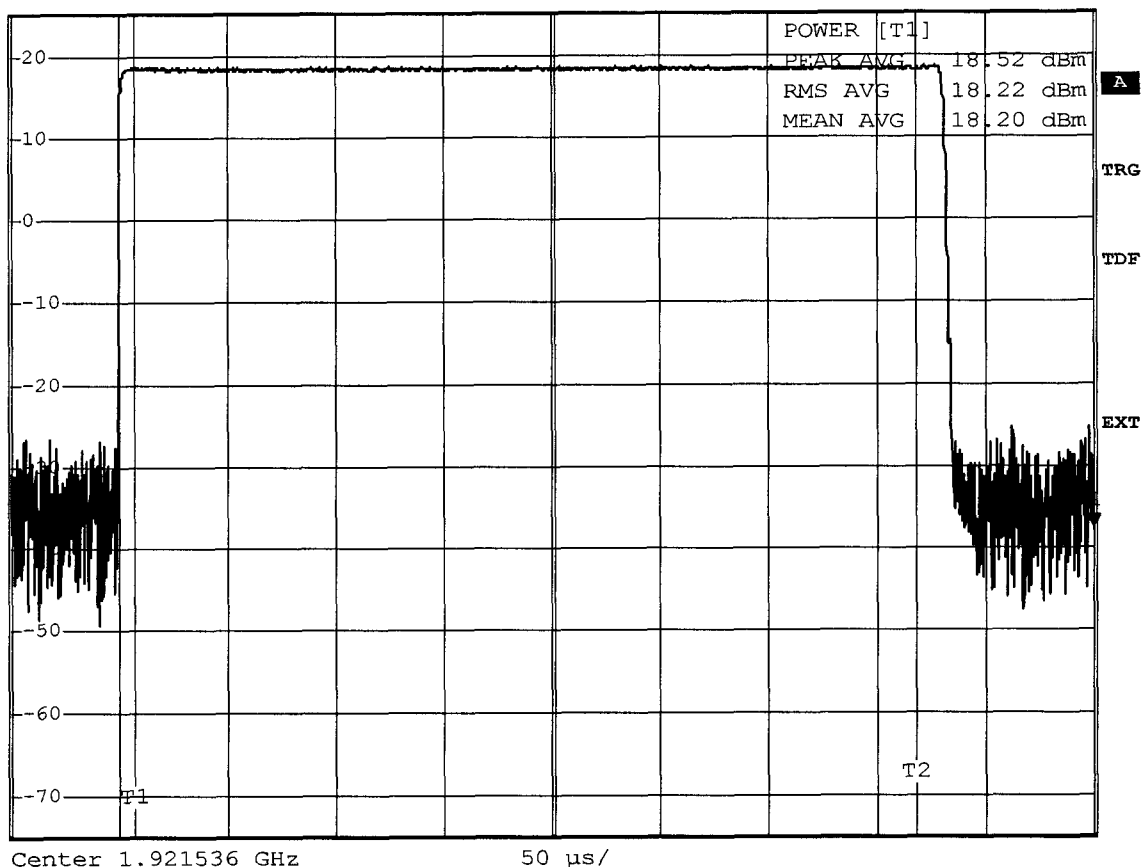
-37.32 dBm

Ref 25 dBm

*Att 40 dB

SWT 500 µs

450.000000 µs

Comment: Ansi C63.17-1998 6.1.2
Date: 17.SEP.2005 09:50:03

Measurement diagram



FCC Part 15.319(c) Peak Transmit Power limit

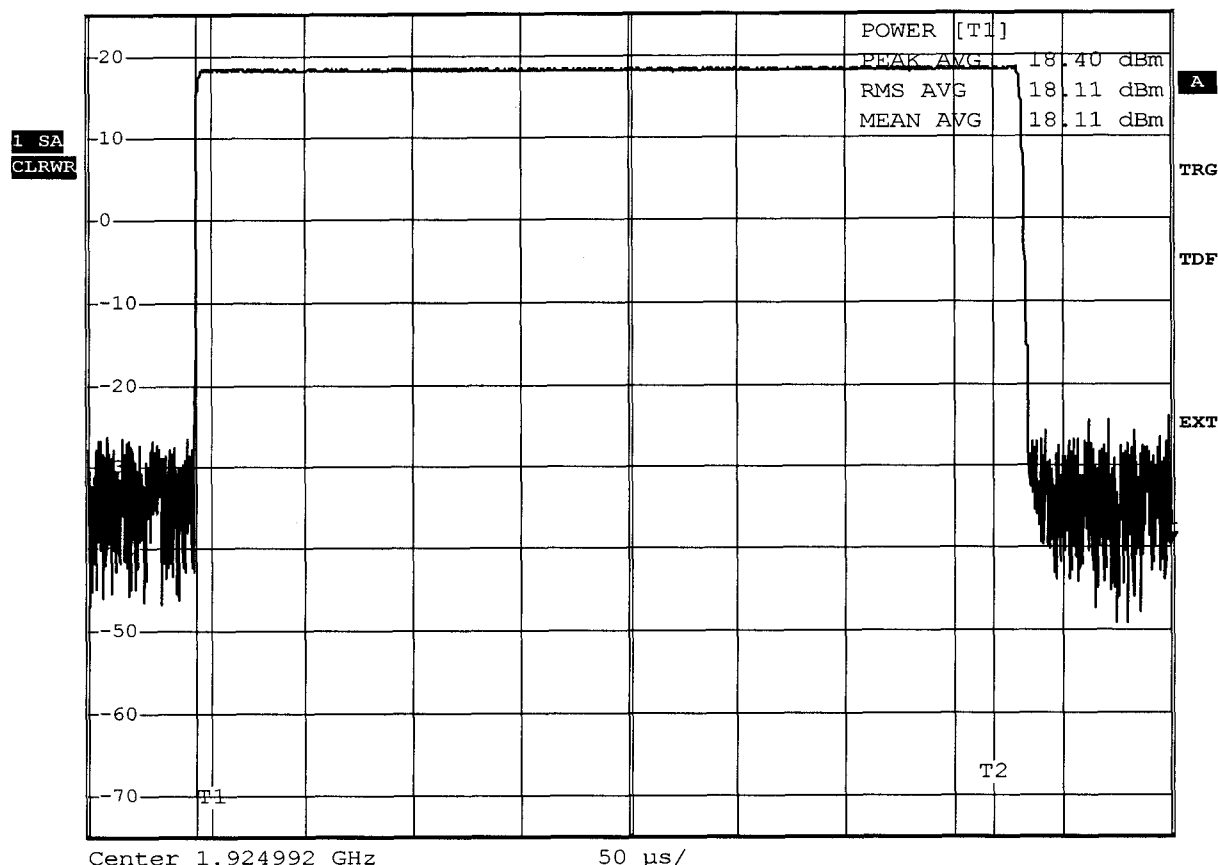
Test procedure ANSI 63.17-1998 6.1.2
 UPCS

EUT KIRK UPCS (DECT based) Repeater (WRFP)
 Model WRFP4 1G9
 Applicant Kirk telecom A/S
 Temperat. / Voltage 23°C / Unom
 Test Site / Operator ETS Reichenwalde
 Test Specification 6.1.2 Peak transmit power, external connector

Measured Bandwidth 1.418MHz
 Max. Permitted Power 20,75 dBm
 Measured Power 18,4 dBm
 Test result Verdict = PASS



Peak transmit power RBW 3 MHz Marker 1 [T1] -39.67 dBm
 *Att 40 dB *VBW 10 MHz
 Ref 25 dBm SWT 500 µs 450.000000 µs



Comment: Ansi C63.17-1998 6.1.2
 Date: 17.SEP.2005 09:55:12

Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperat. / Voltage	23°C / Umax
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power, external connector

Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	18,51 dBm
Test result	Verdict = PASS



Peak transmit power

RBW 3 MHz Marker 1 [T1] -42.85 dBm
*VBW 10 MHz

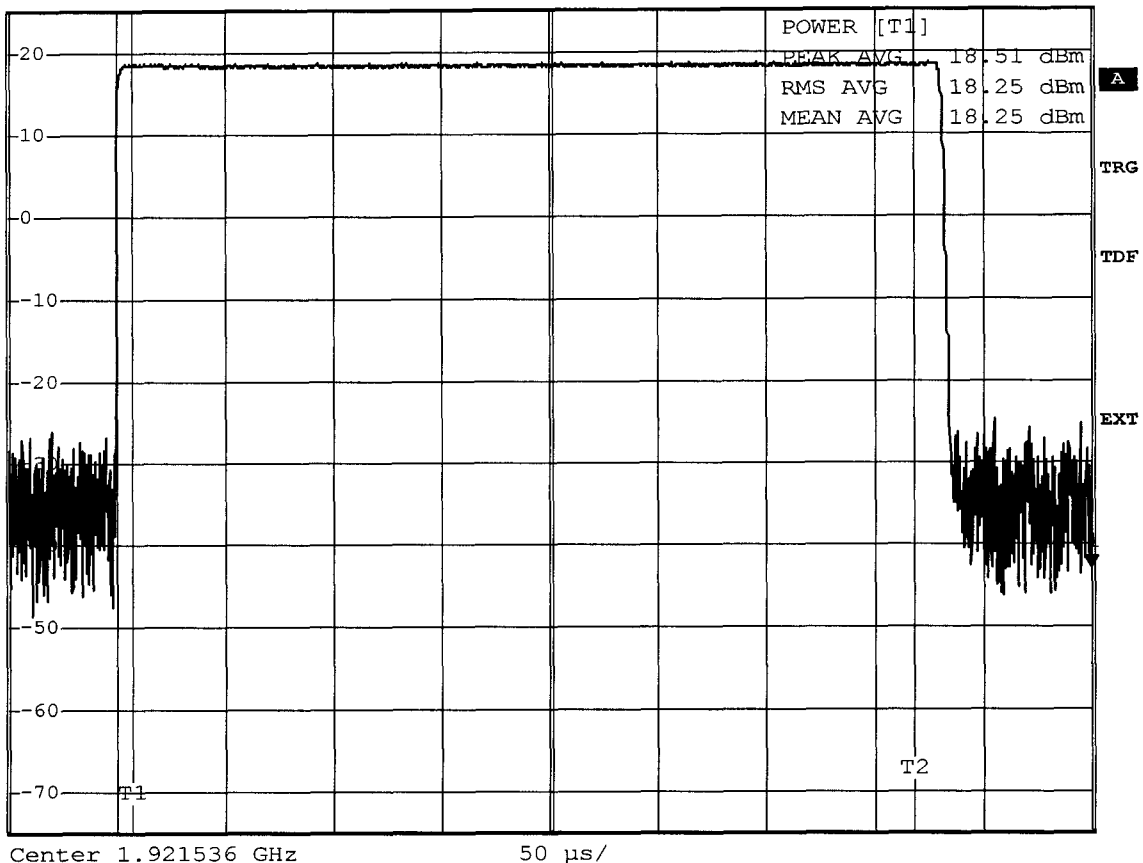
Ref 25 dBm

*Att 40 dB

SWT 500 µs

450.000000 µs

1 SA
CLRWR



Comment: Ansi C63.17-1998 6.1.2
Date: 17.SEP.2005 09:53:20

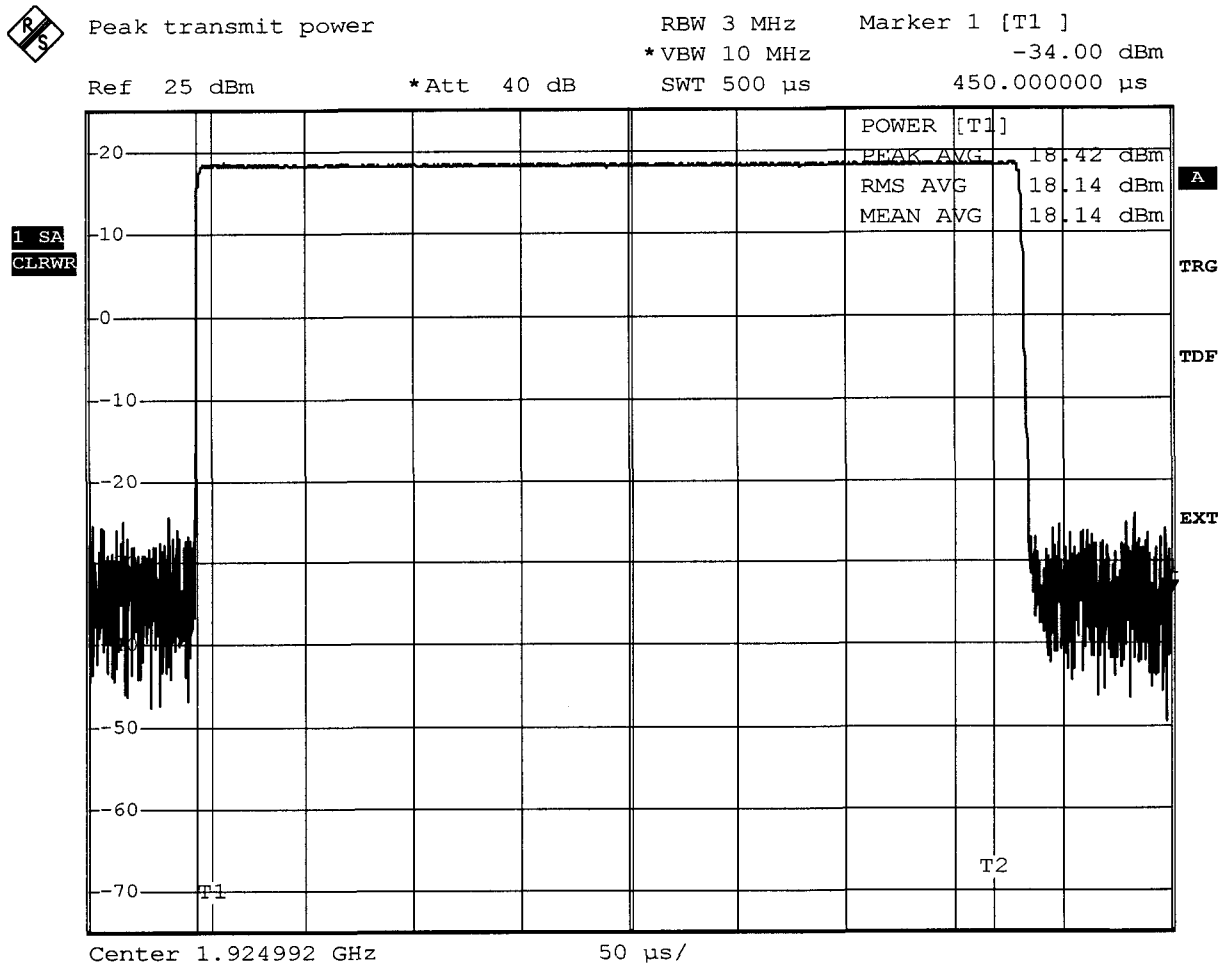
Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperat. / Voltage	23°C / Umax
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power, external connector

Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	18,42 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
Date: 17.SEP.2005 09:57:10

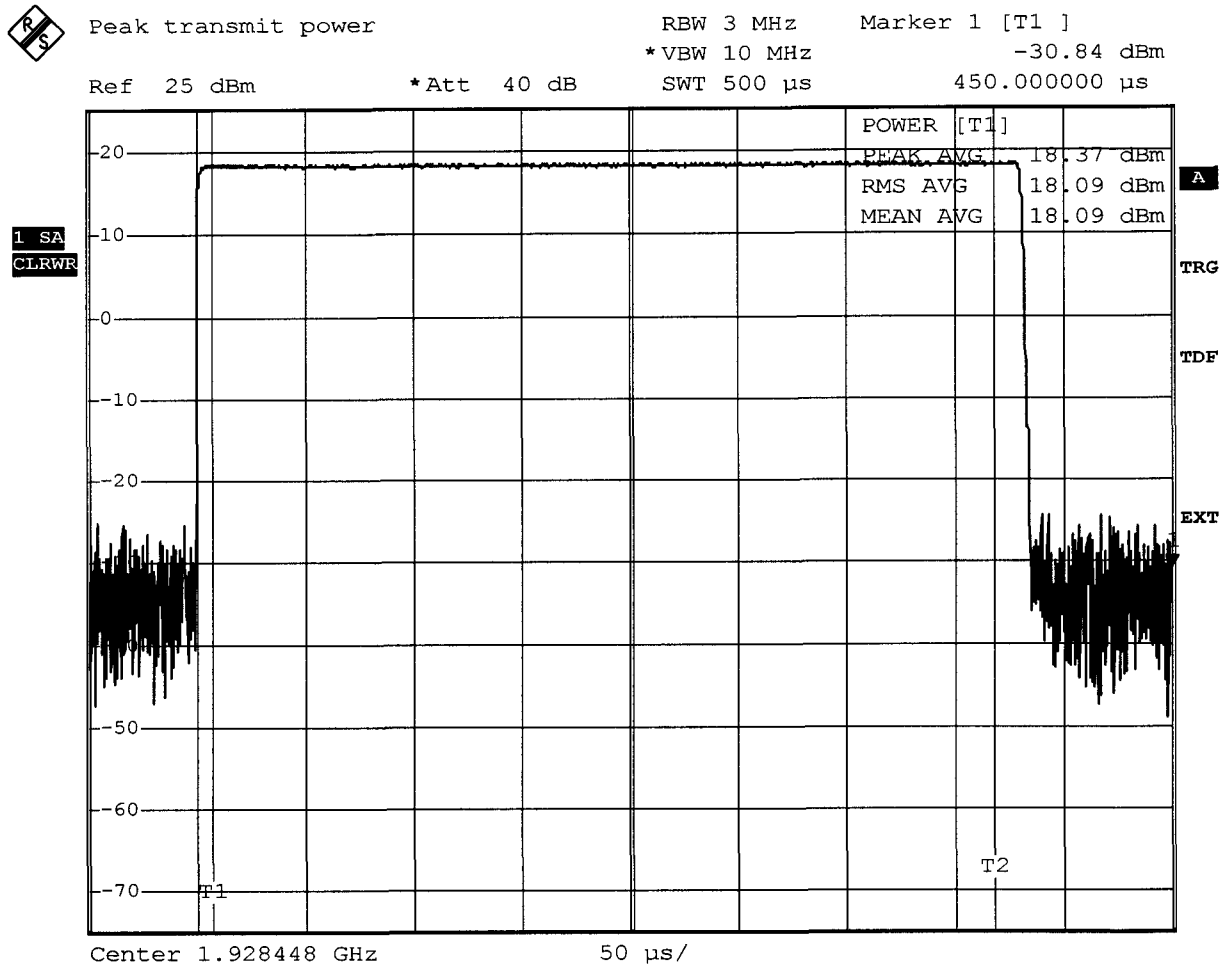
Measurement diagram

FCC Part 15.319(c) Peak Transmit Power limit

Test procedure ANSI 63.17-1998 6.1.2 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperat. / Voltage	23°C / Umax
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.2 Peak transmit power, external connector

Measured Bandwidth	1.418MHz
Max. Permitted Power	20,75 dBm
Measured Power	18,37 dBm
Test result	Verdict = PASS



Comment: Ansi C63.17-1998 6.1.2
 Date: 17.SEP.2005 10:02:59

Measurement diagram



Appendix H

Power spectral density



FCC Part 15.319(d) Power spectral density

**Testprocedure ANSI 63.17-1998 6.1.5
UPCS**

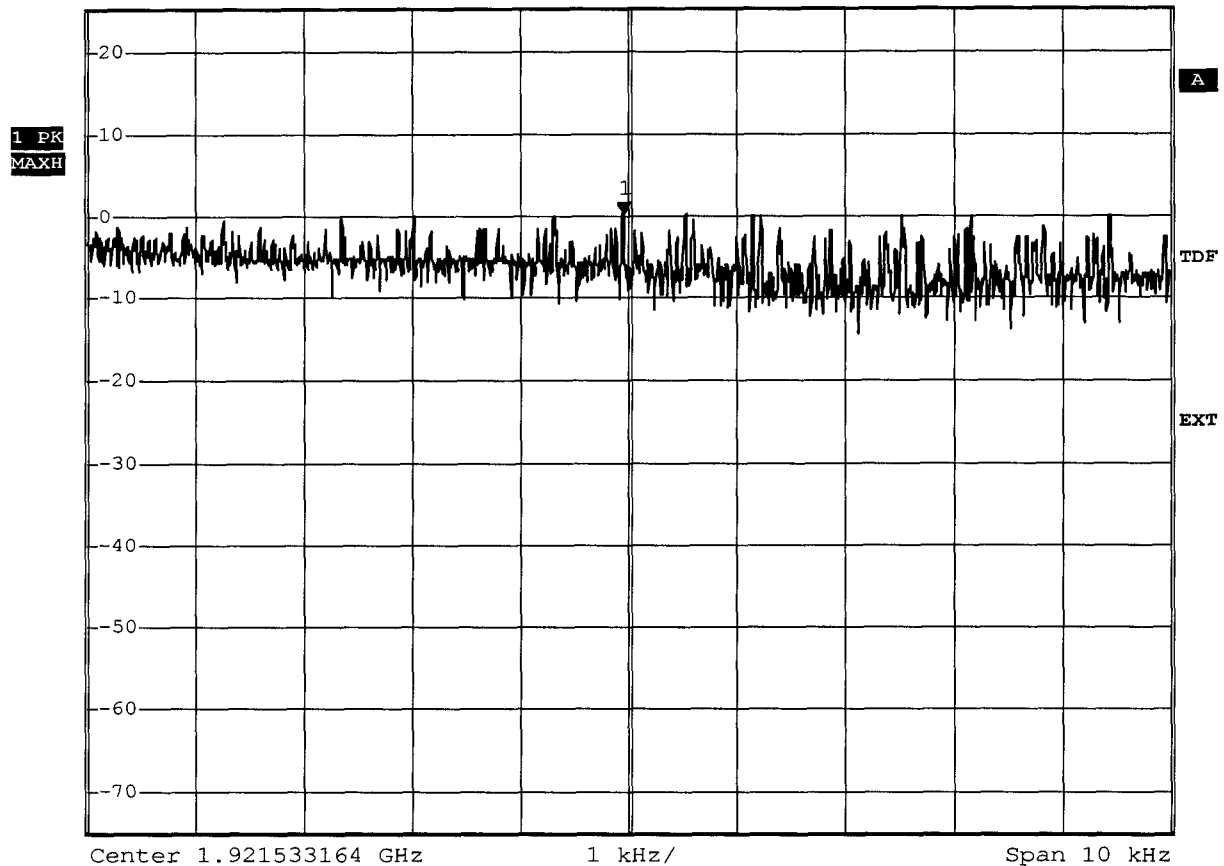
EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Measured Maximum	0.216 dBm
Value in mW	1.051mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Power Spectral Densit

*RBW 3 kHz Marker 1 [T1]
 *VBW 3 kHz 0.22 dBm
 Ref 25 dBm *Att 40 dB SWT 225 ms 1.921533114 GHz



Comment: Ansi C63.17-1998 6.1.5
 Date: 4.SEP.2005 13:38:53

Measurement diagram

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-1998 6.1.5 UPCS

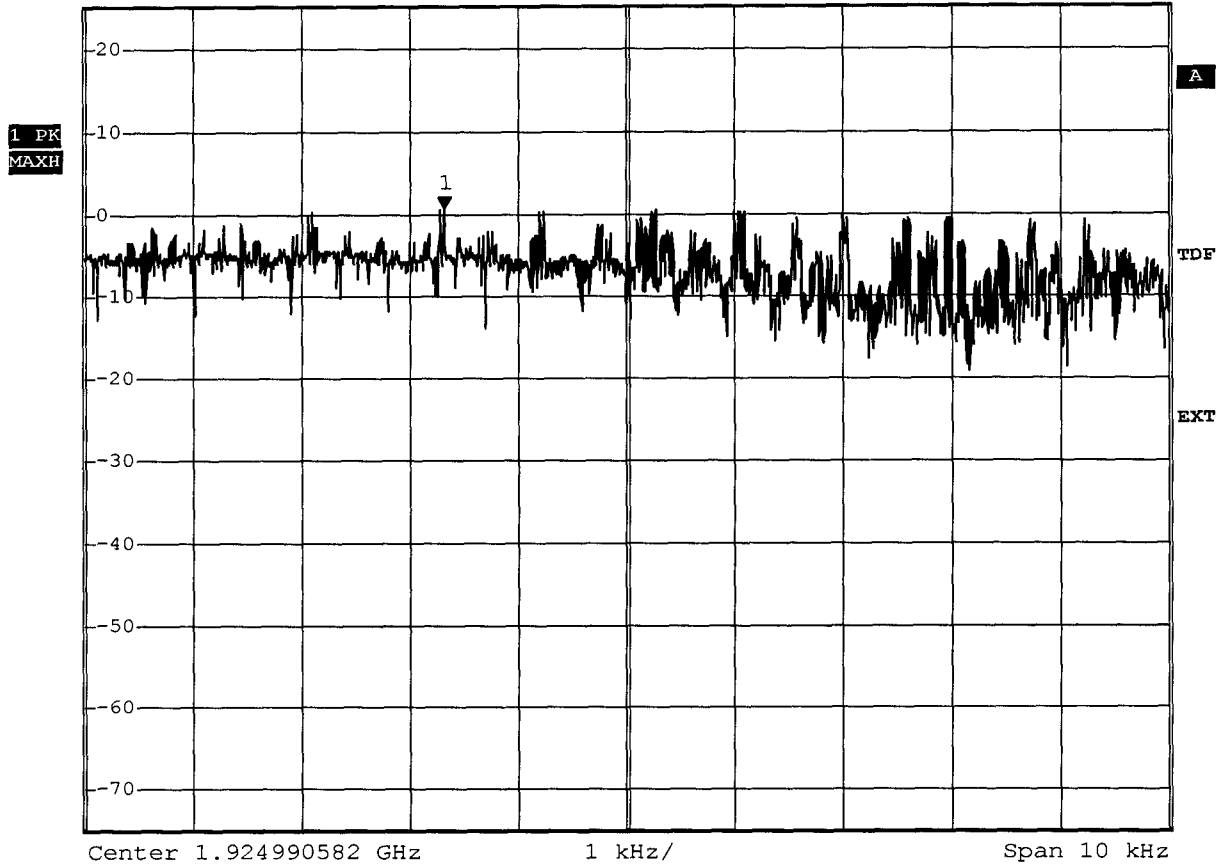
EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density
Measured Maximum	0.767 dBm
Value in mW	1.193mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Power Spectral Densit

*RBW 3 kHz Marker 1 [T1]
 *VBW 3 kHz 0.77 dBm

Ref 25 dBm *Att 40 dB SWT 225 ms 1.924988902 GHz



Comment: Ansi C63.17-1998 6.1.5
 Date: 4.SEP.2005 13:43:49

Measurement diagram

FCC Part 15.319(d) Power spectral density

Testprocedure ANSI 63.17-1998 6.1.5 UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

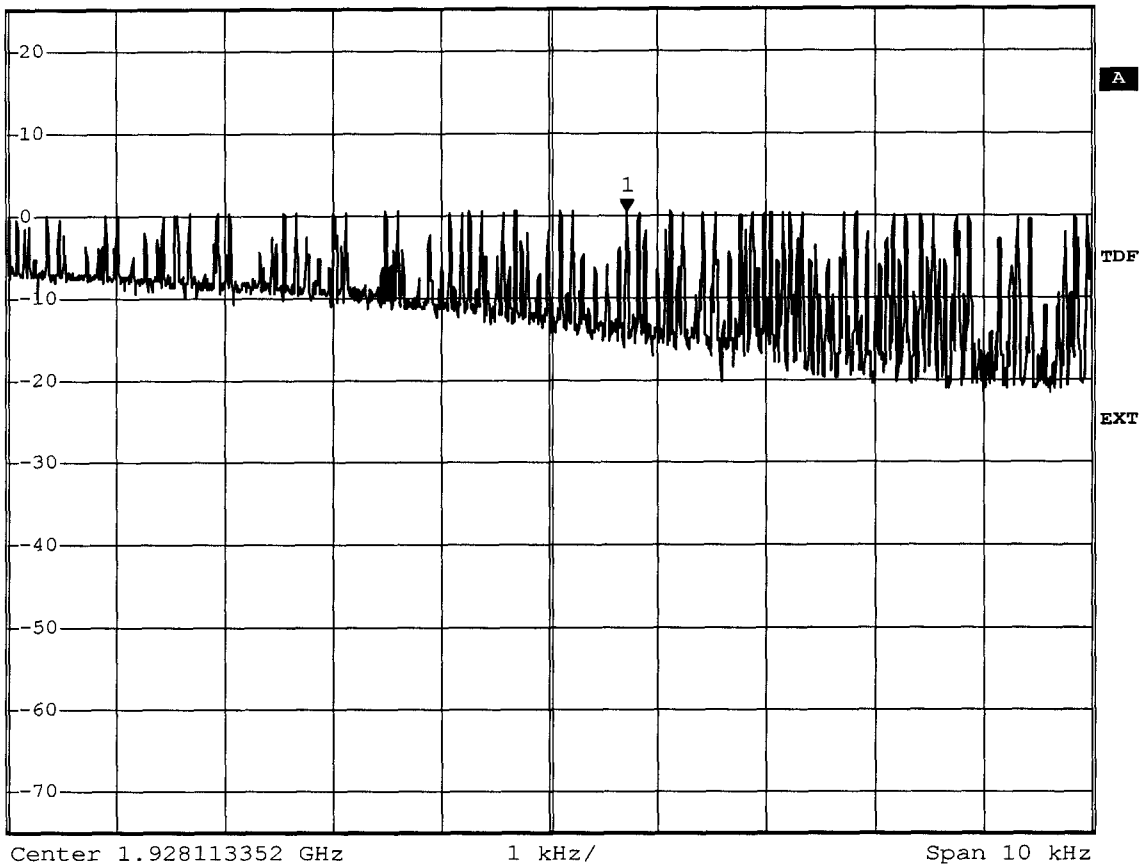
Measured Maximum	0.465 dBm
Value in mW	1.113mW
Maximal permitted	limit=3mW
Test result	Verdict = PASS



Power Spectral Densit

*RBW 3 kHz Marker 1 [T1]
 *VBW 3 kHz 0.47 dBm
 Ref 25 dBm *Att 40 dB SWT 225 ms 1.928114077 GHz

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.5
 Date: 4.SEP.2005 13:45:06

Measurement diagram



FCC Part 15.319(d) Power spectral density

UPCS

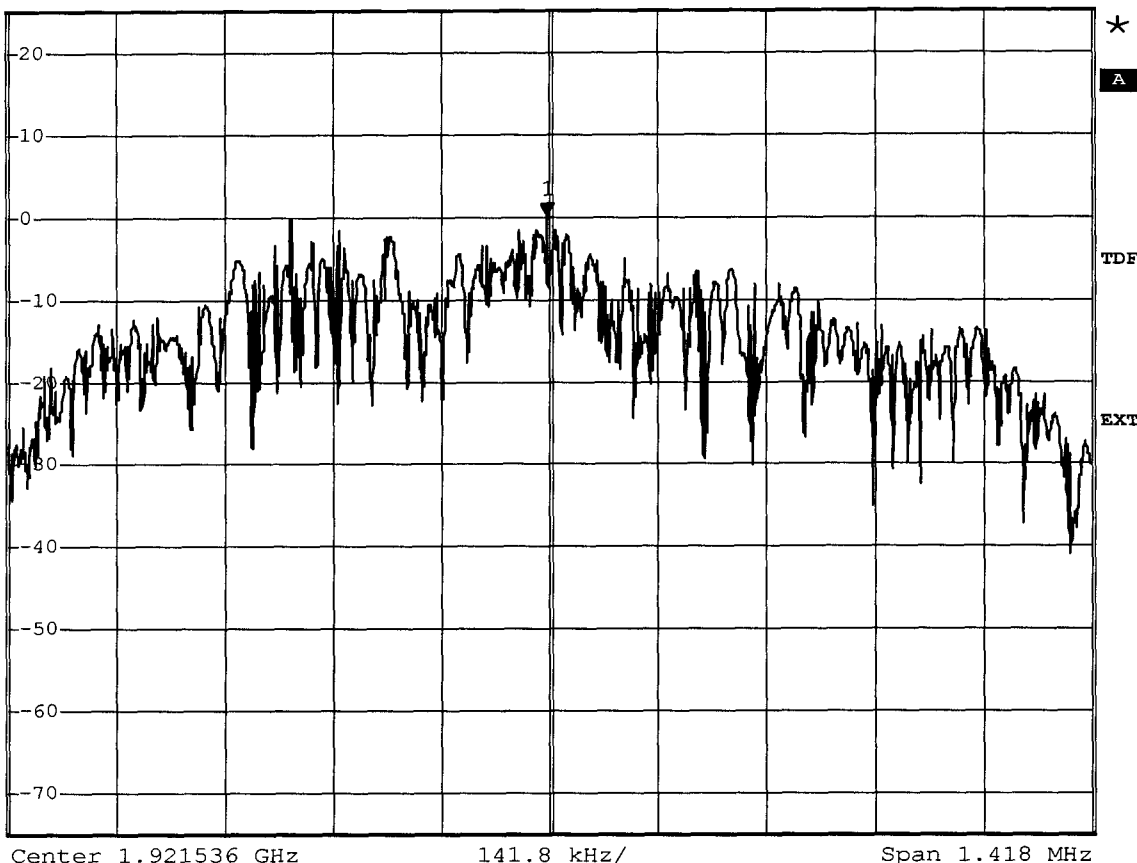
EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



Power Spectral Densit *RBW 3 kHz Marker 1 [T1]
 Ref 25 dBm *Att 40 dB *VBW 3 kHz 0.17 dBm
 SWT 32 s 1.921533164 GHz

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.5
 Date: 4.SEP.2005 13:38:34

Measurement diagram

FCC Part 15.319(d) Power spectral density

UPCS

EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

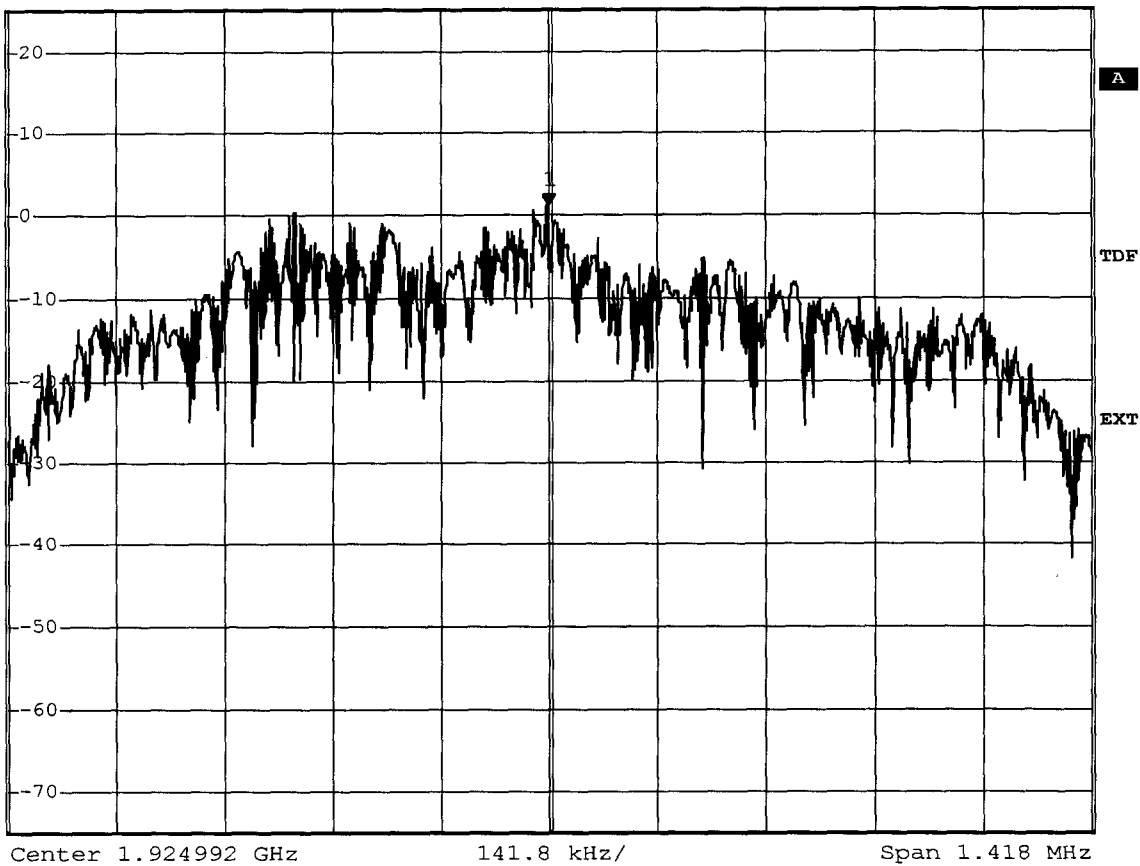
Test step 1 initial condition



Power Spectral Densit

*RBW 3 kHz Marker 1 [T1]
 *VBW 3 kHz 0.94 dBm
 Ref 25 dBm *Att 40 dB SWT 32 s 1.924990582 GHz

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.5
 Date: 4.SEP.2005 13:43:32

Measurement diagram

FCC Part 15.319(d) Power spectral density

UPCS

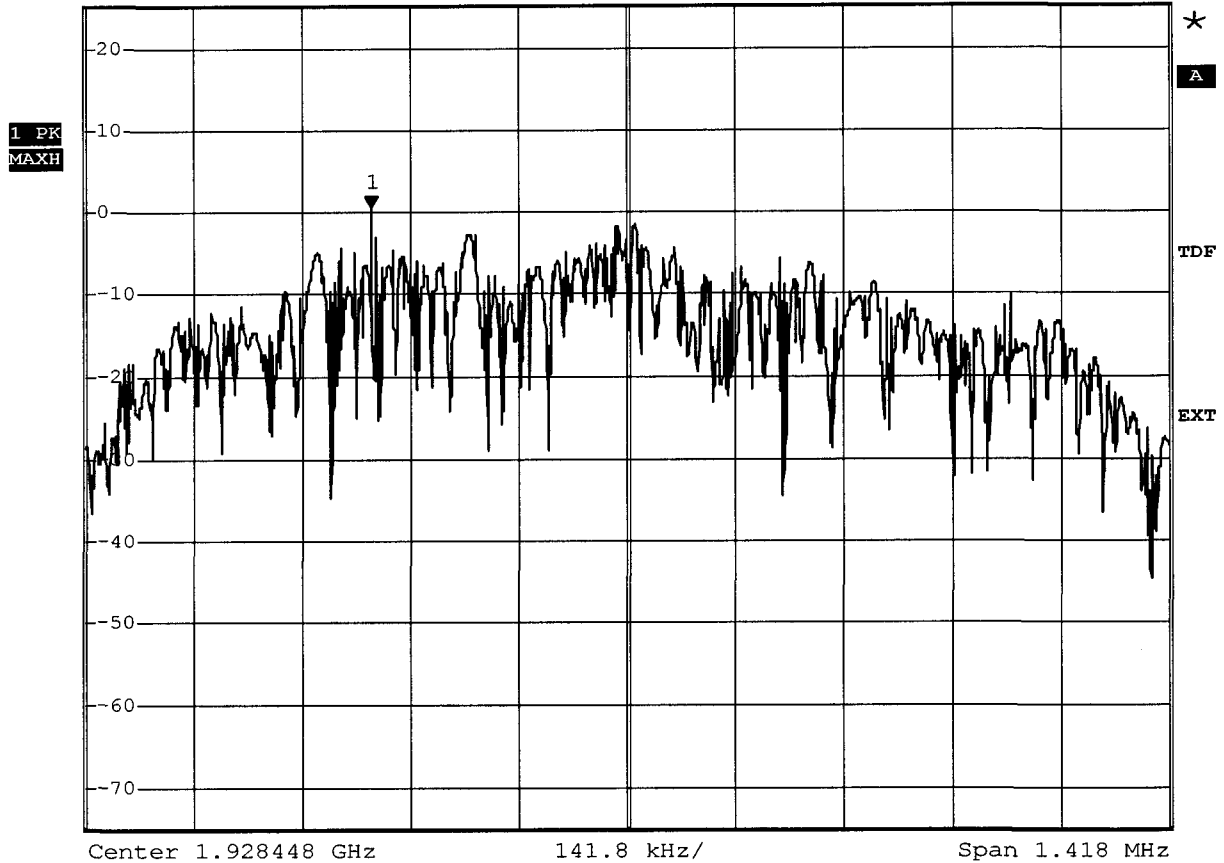
EUT	KIRK UPCS (DECT based) Repeater (WRFP)
Model	WRFP4 1G9
Applicant	Kirk telecom A/S
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.5 Power spectral density

Test step 1 initial condition



Power Spectral Densit

*RBW 3 kHz Marker 1 [T1]
 *VBW 3 kHz 0.44 dBm
 Ref 25 dBm *Att 40 dB SWT 32 s 1.928113352 GHz



Comment: Ansi C63.17-1998 6.1.5
 Date: 4.SEP.2005 13:44:44

Measurement diagram



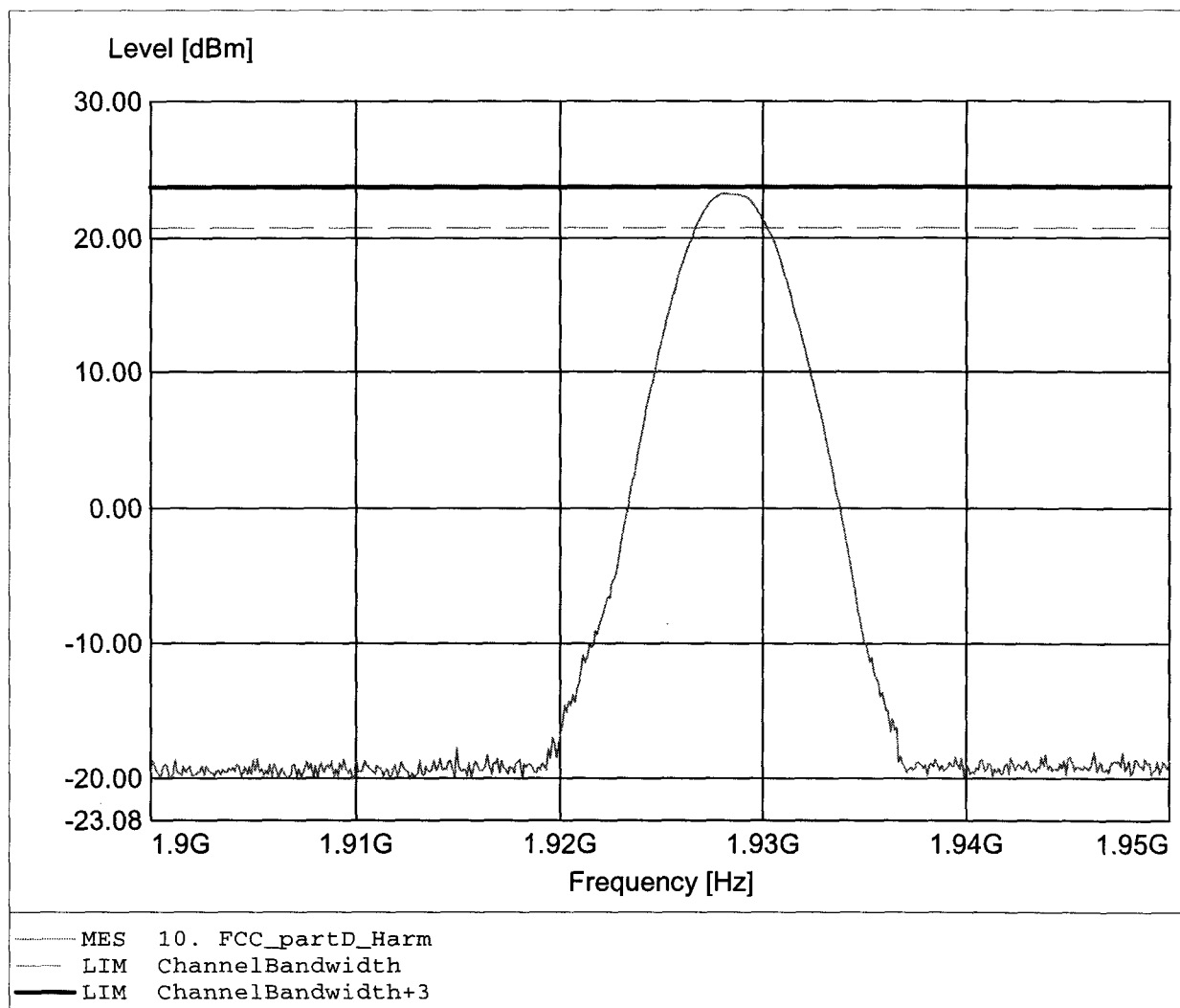
Appendix I

Directional gain of the antenna

Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

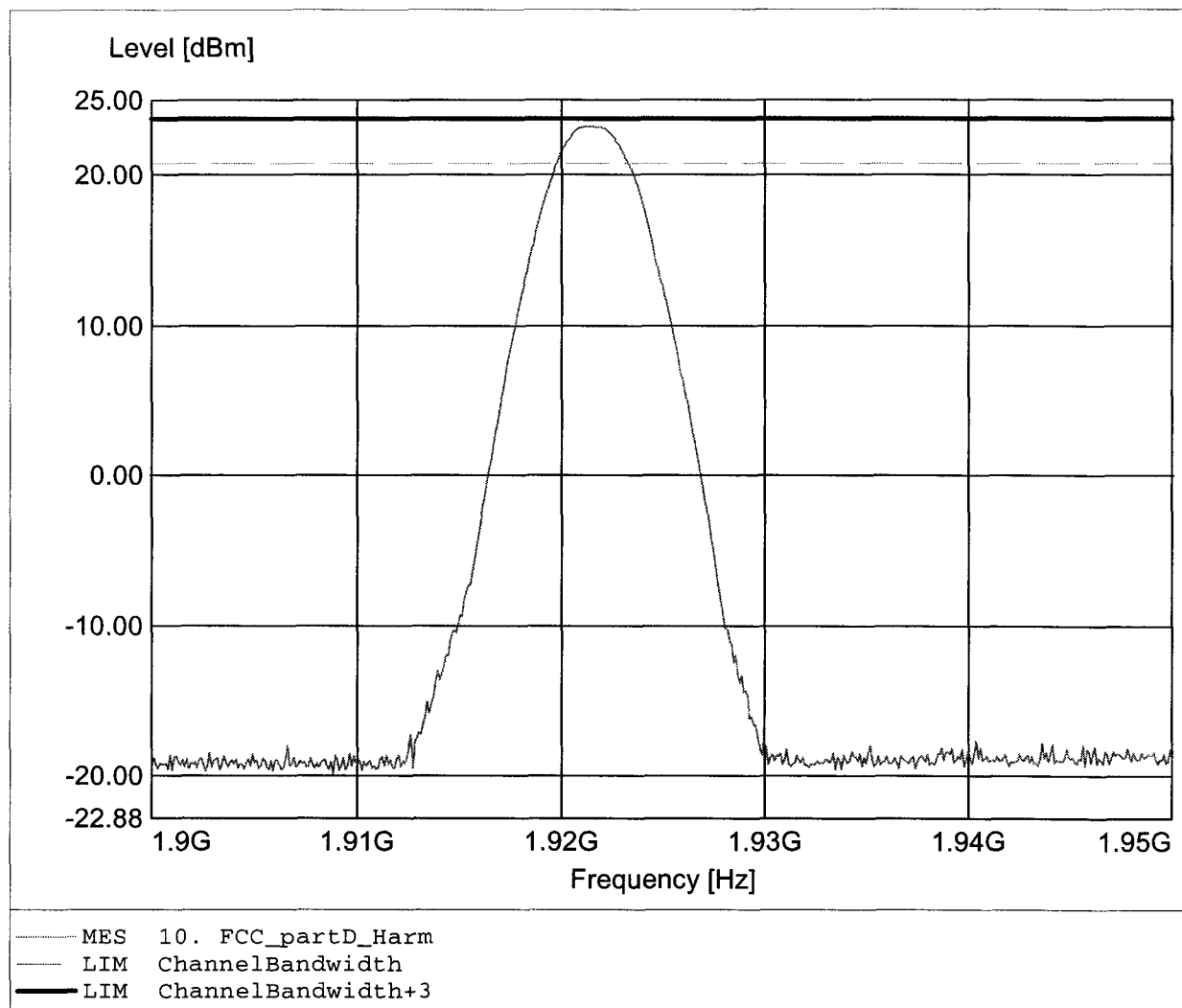
Approval Holder: Kirk telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna 3 / Ch.: 0
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom= 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: Conical Log-Spiral Antenna 3102L
Comment 2: Freq:1.928GHz Pmax:23.26dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

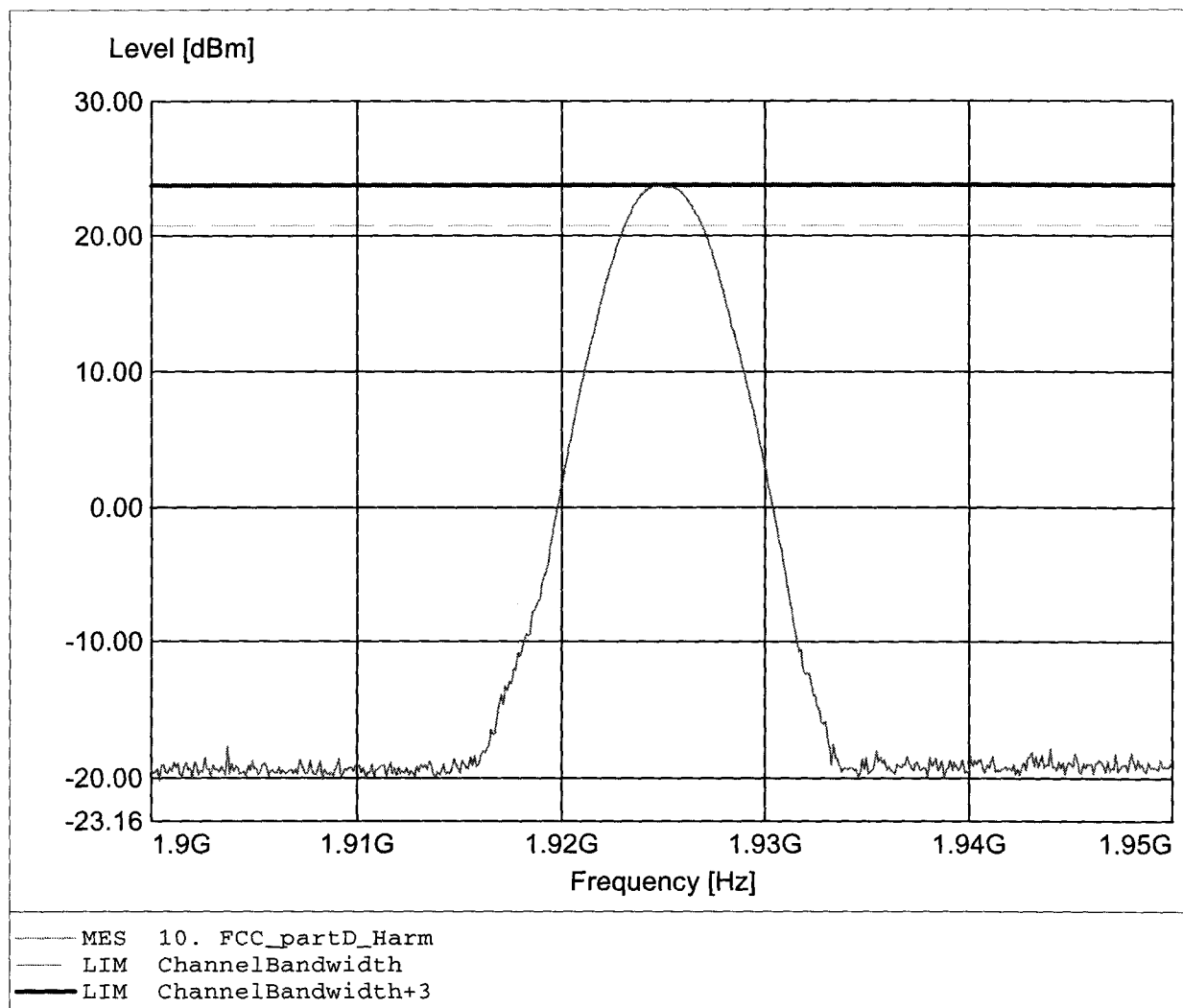
Approval Holder: Kirk telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna 3 / Ch.: 4
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom= 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.:Conical Log-Spiral Antenna 3102L
Comment 2: Freq:1.921GHz Pmax:23.21dBm RBW: 5 MHz



Peak Transmit Power, Radiated

FCC RULES PART 15, SUBPART D

Approval Holder: Kirk telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna 3 / Ch.: 2
Test Site / Operator: ETS / Mr. Treffke
Temperature/ Voltage: 25°C / Unom= 120 V AC (AC/DC adaptor)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.:Conical Log-Spiral Antenna 3102L
Comment 2: Freq:1.925GHz Pmax:23.69dBm RBW: 5 MHz



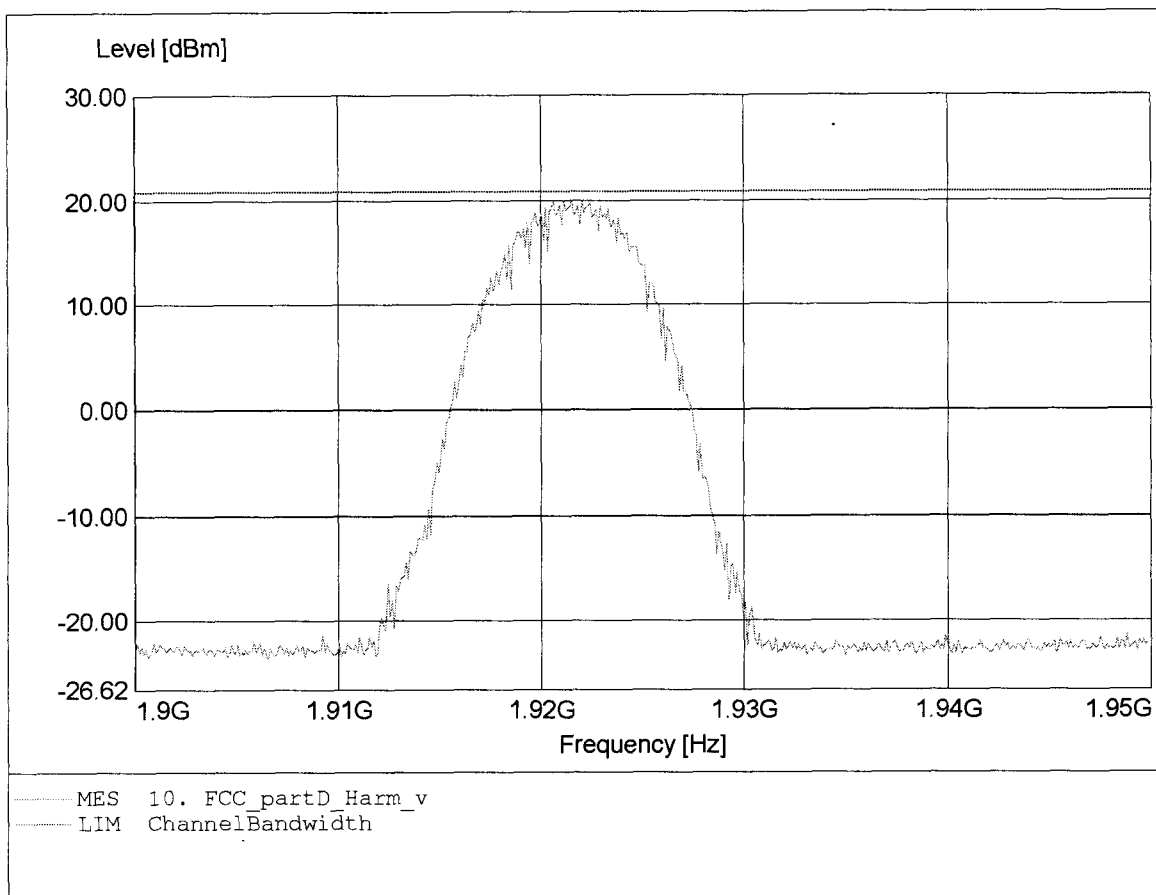


Appendix J

Radio frequency radiation exposure

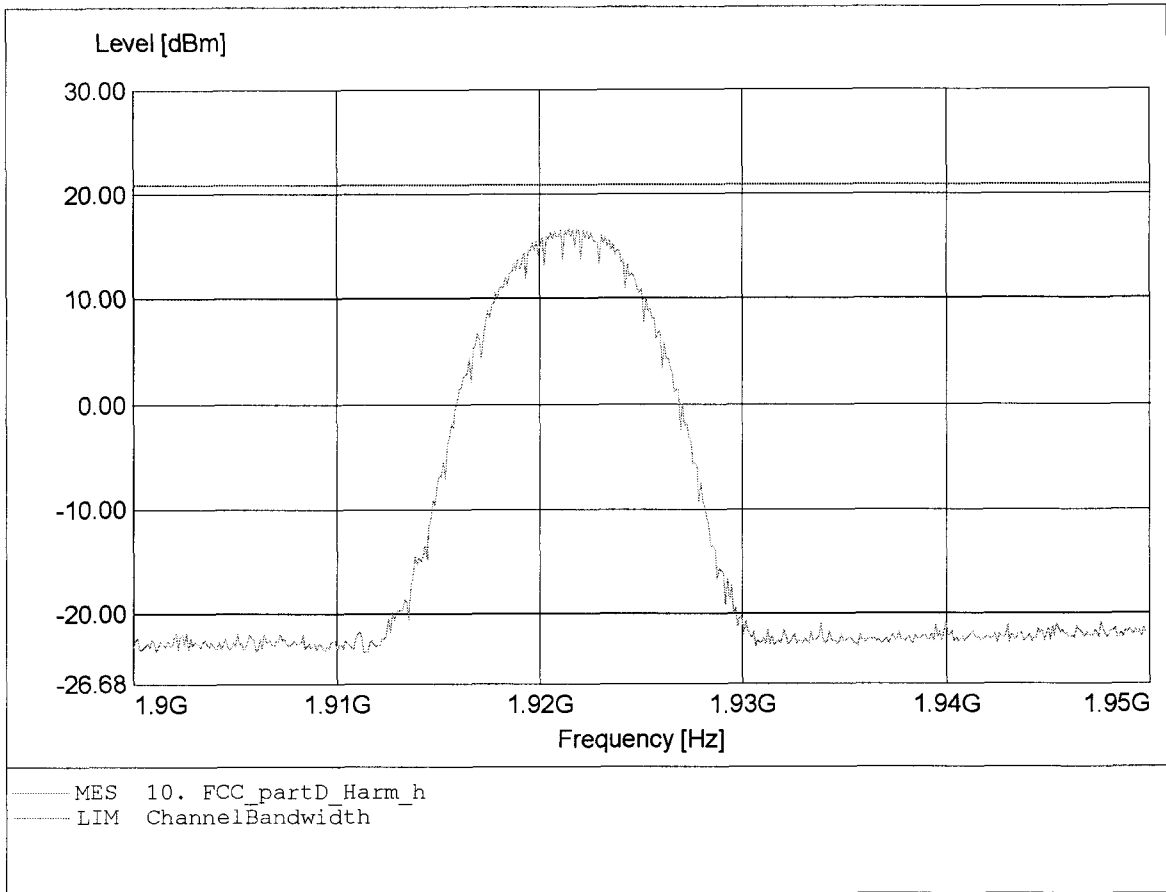
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 1 / Ch.: 4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:20.09dBm RBW: 5 MHz



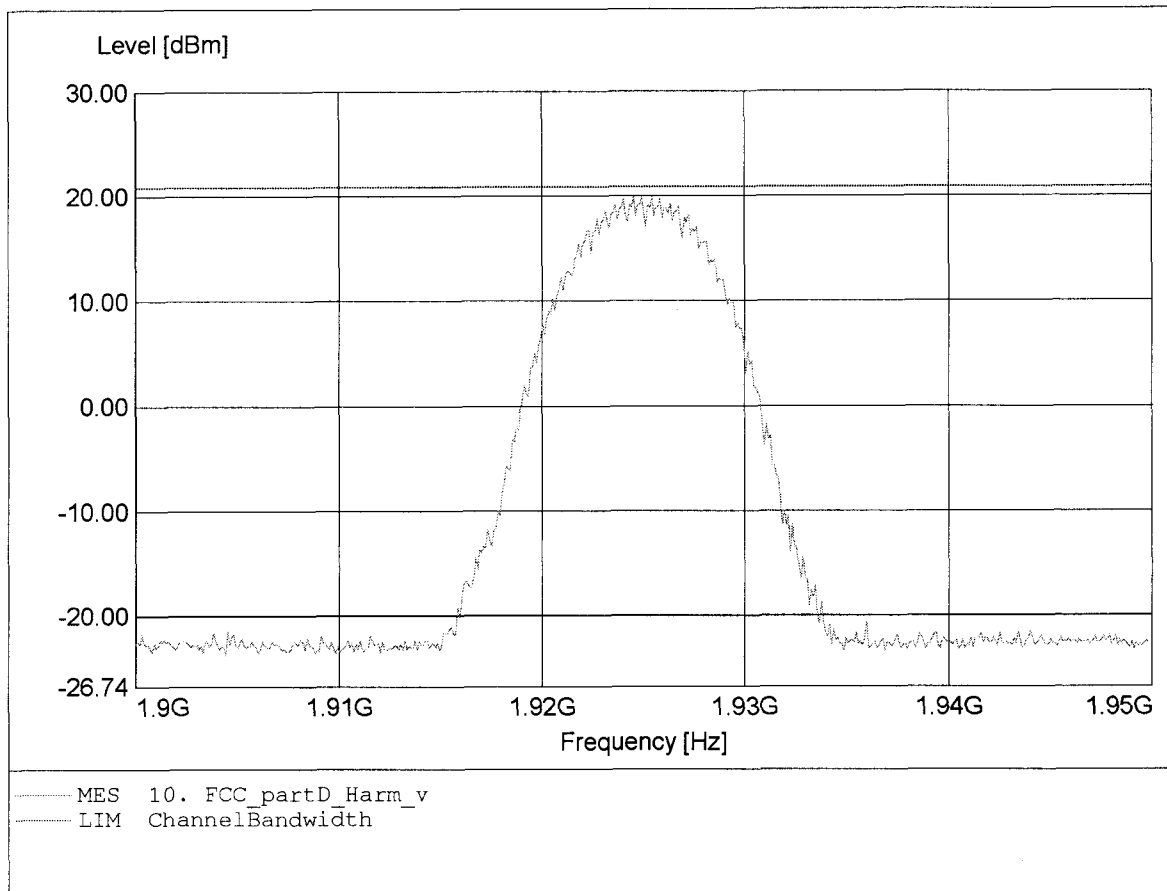
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 1 / Ch.: 4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:16.65dBm RBW: 5 MHz



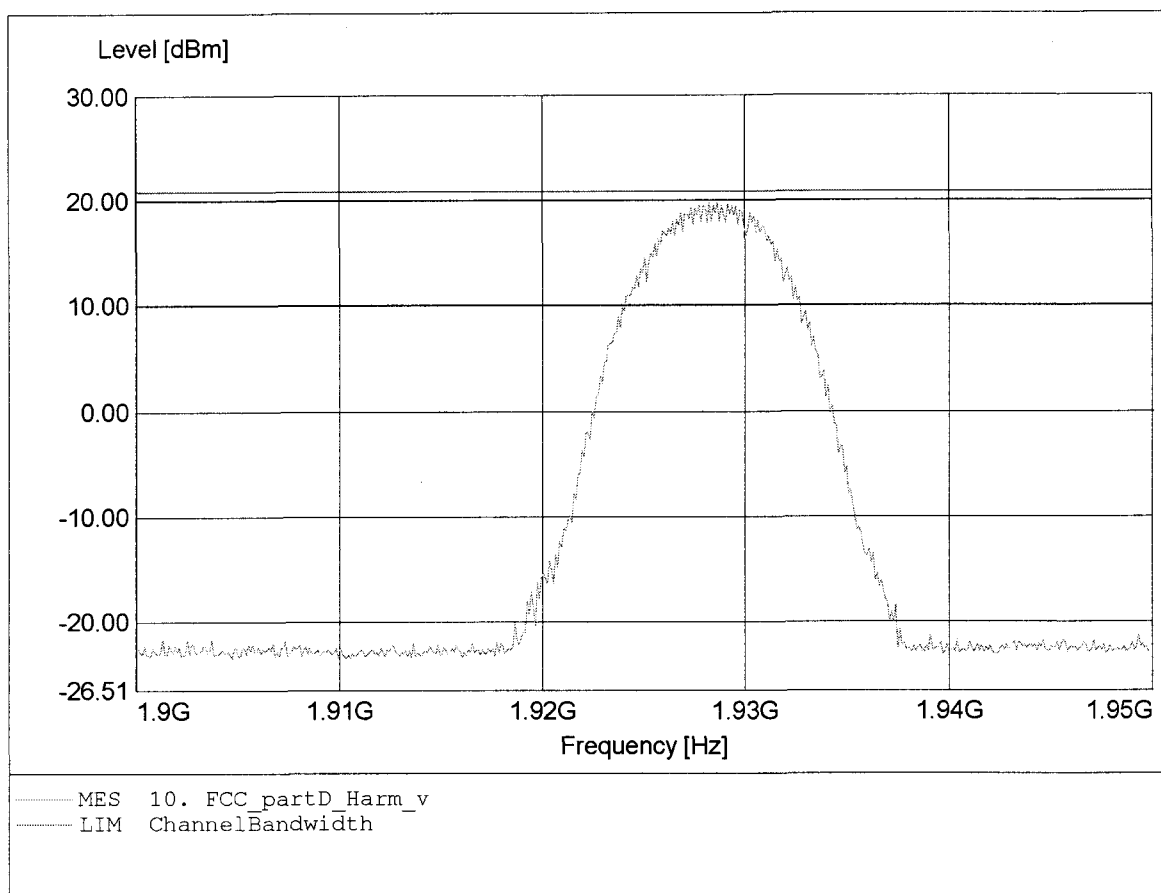
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 1 / Ch.: 2
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:19.87dBm RBW: 5 MHz



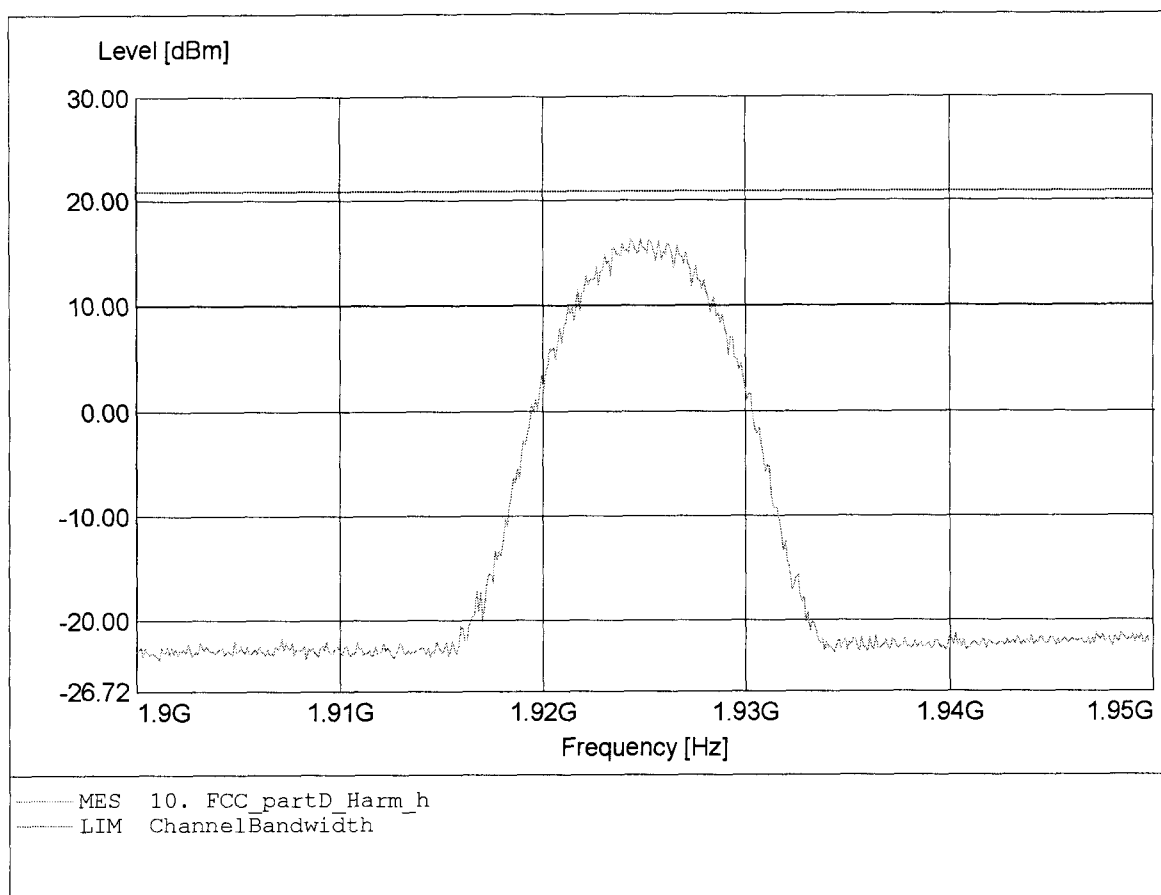
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 1 / Ch.: 0
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.929GHz Pmax:19.71dBm RBW: 5 MHz



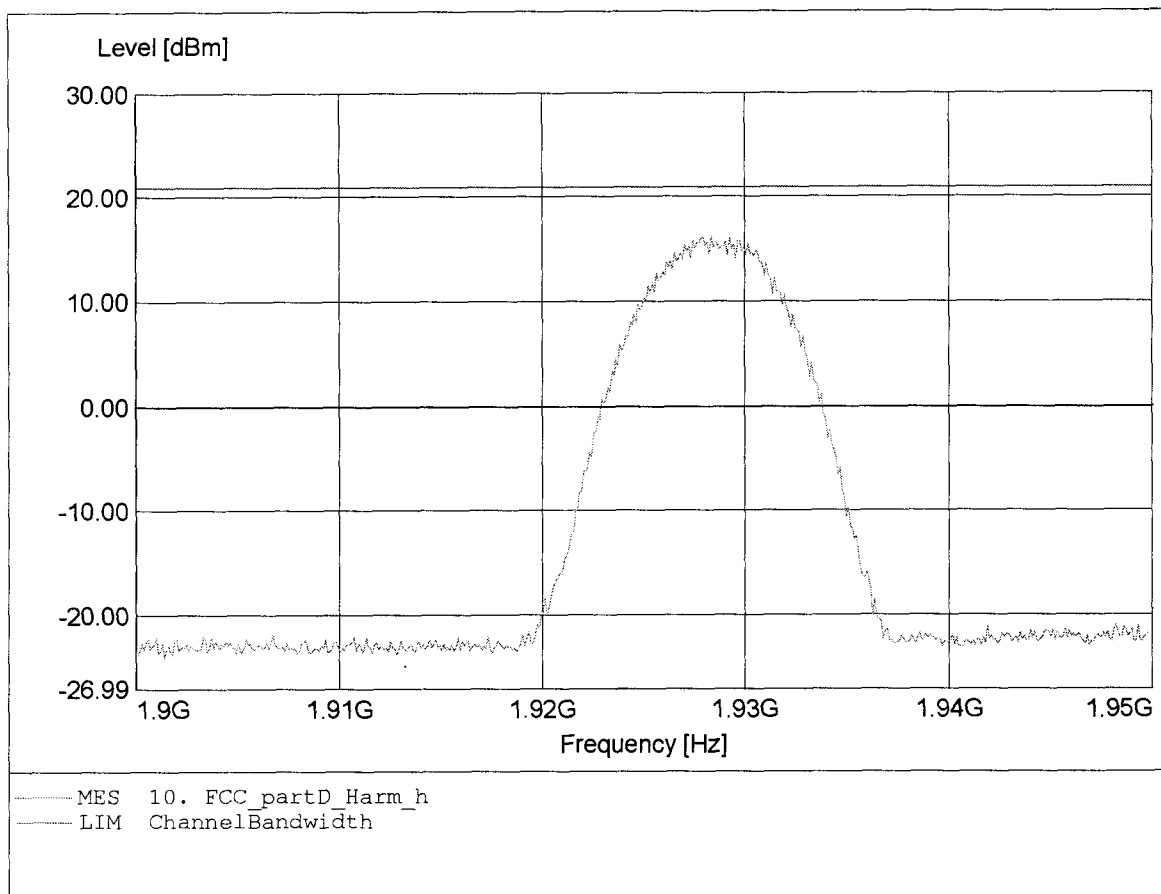
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 1 / Ch.: 2
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.925GHz Pmax:16.23dBm RBW: 5 MHz



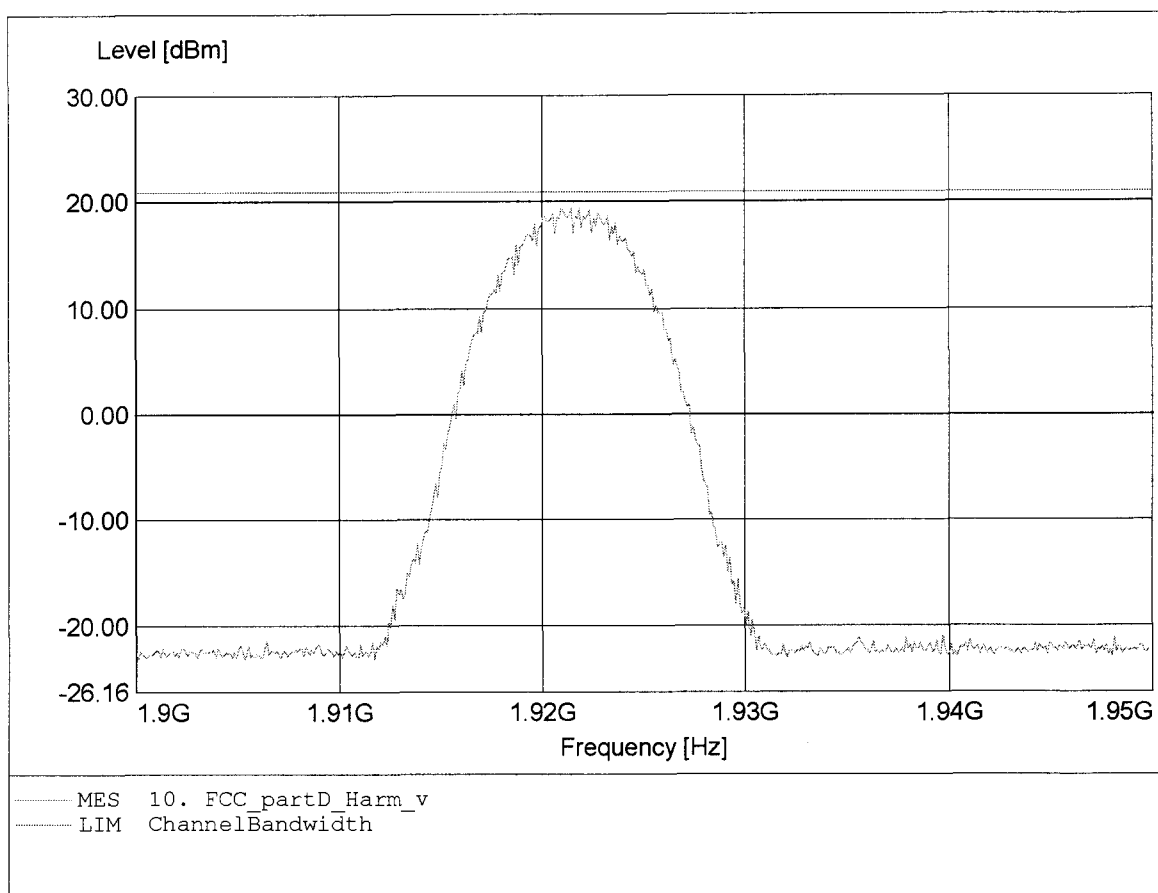
**Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D**

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 1 / Ch.: 0
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Marquardt
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.928GHz Pmax:16.14dBm RBW: 5 MHz



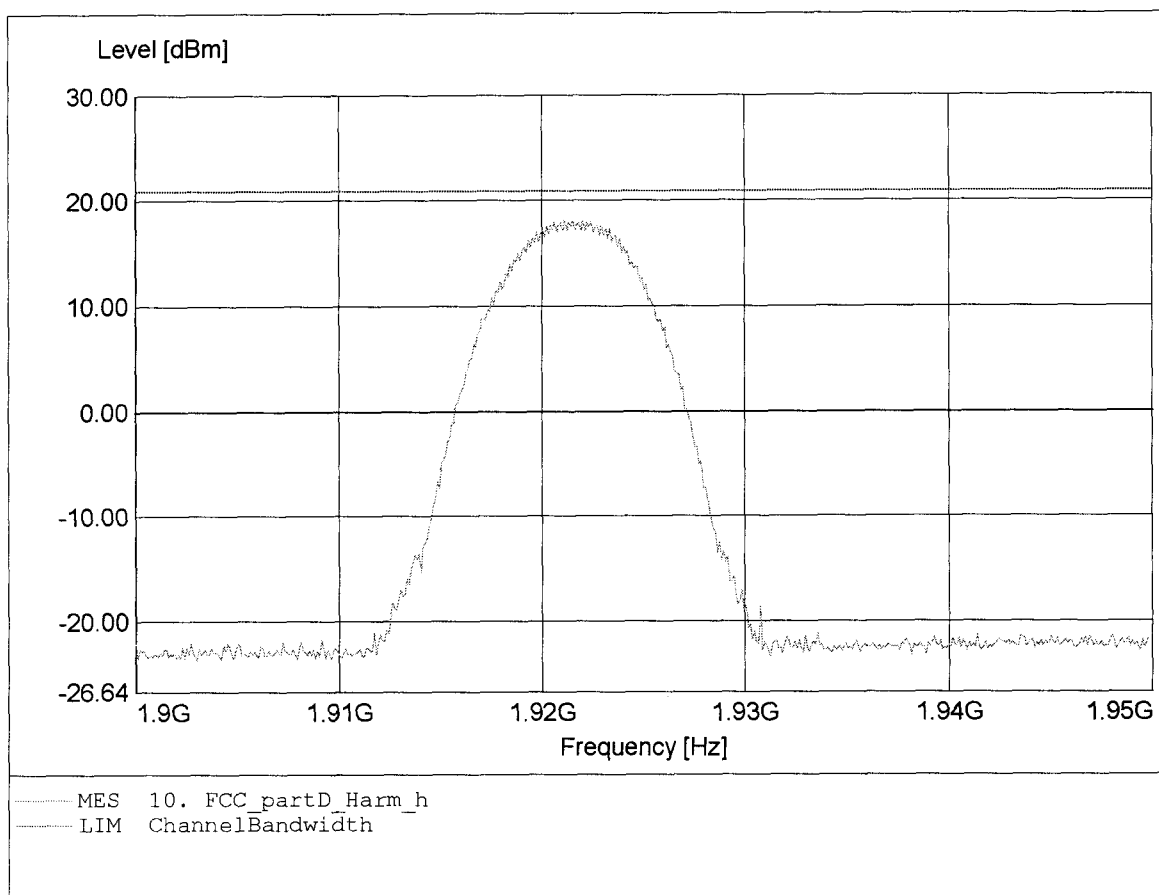
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 2 / Ch.: 4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:19.33dBm RBW: 5 MHz



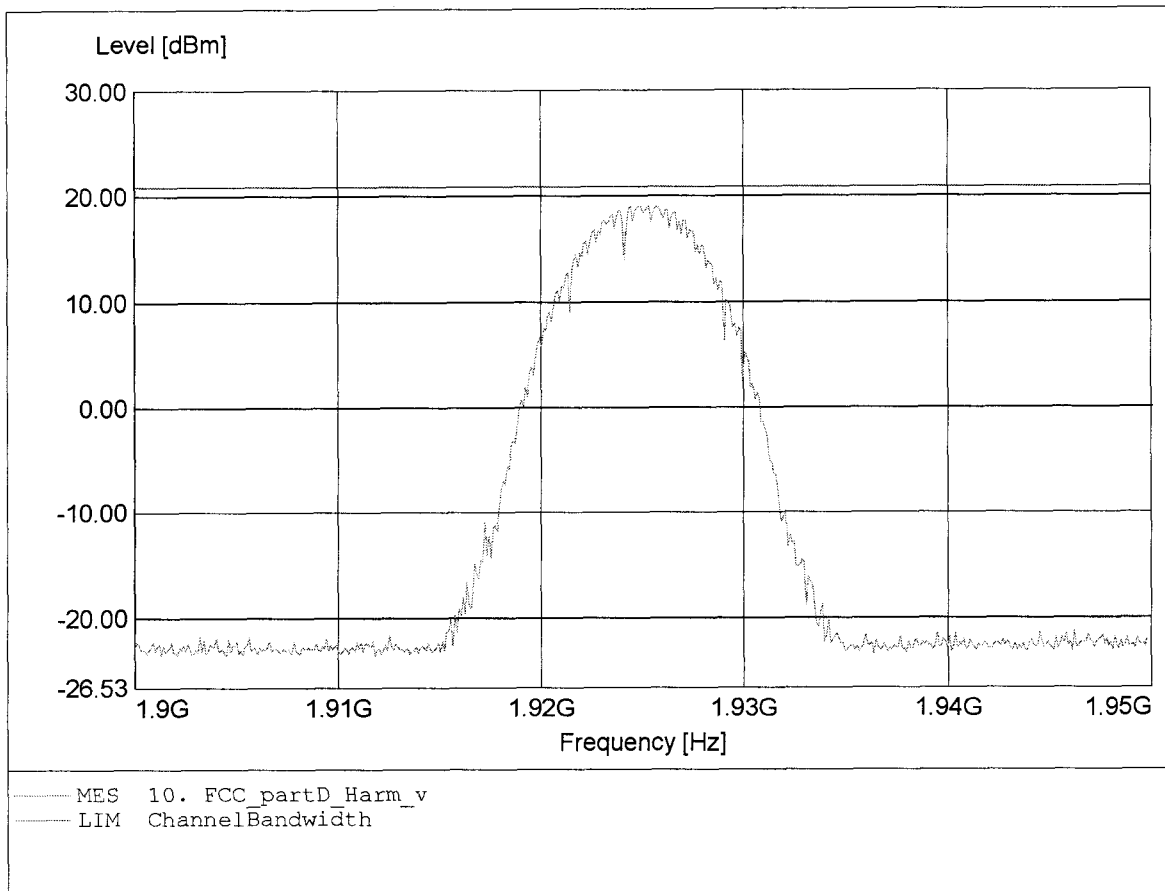
**Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D**

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 2 / Ch.: 4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:18.17dBm RBW: 5 MHz



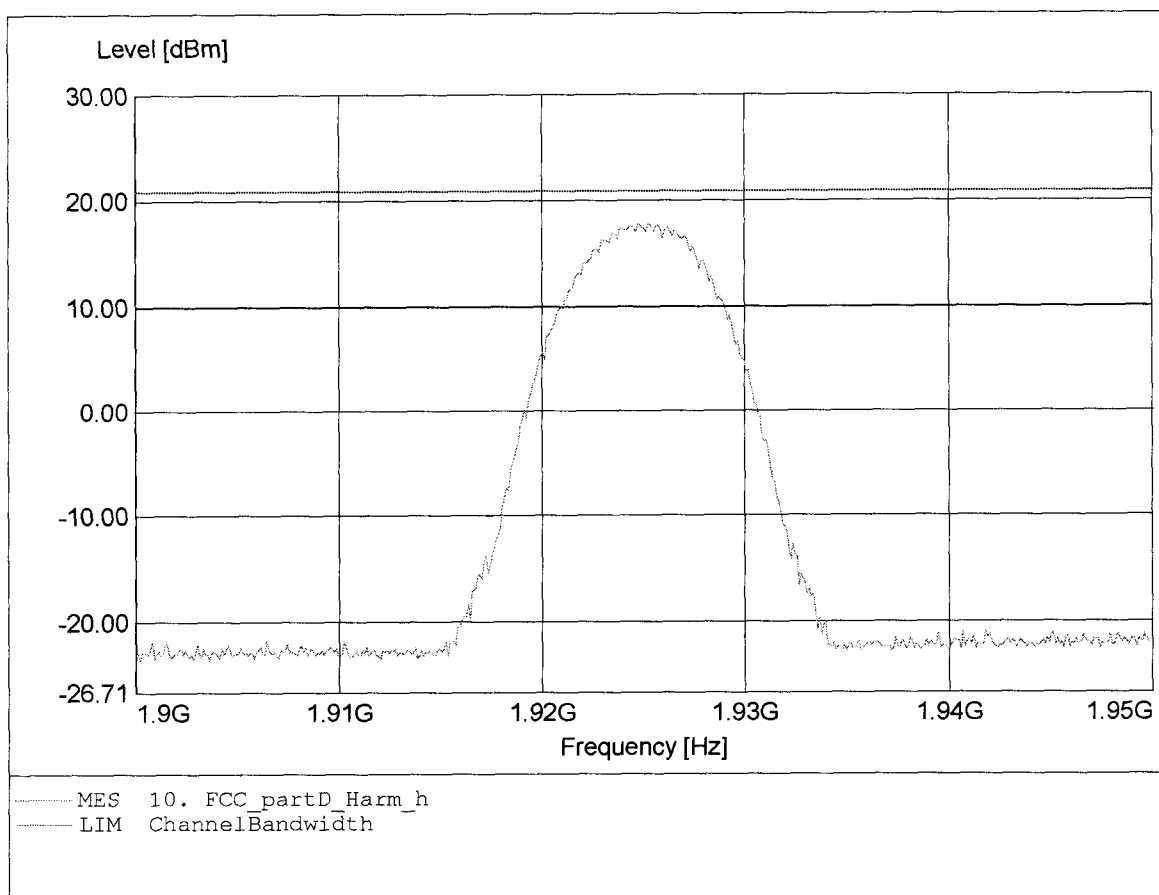
**Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D**

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 2 / Ch.: 2
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:19.01dBm RBW: 5 MHz



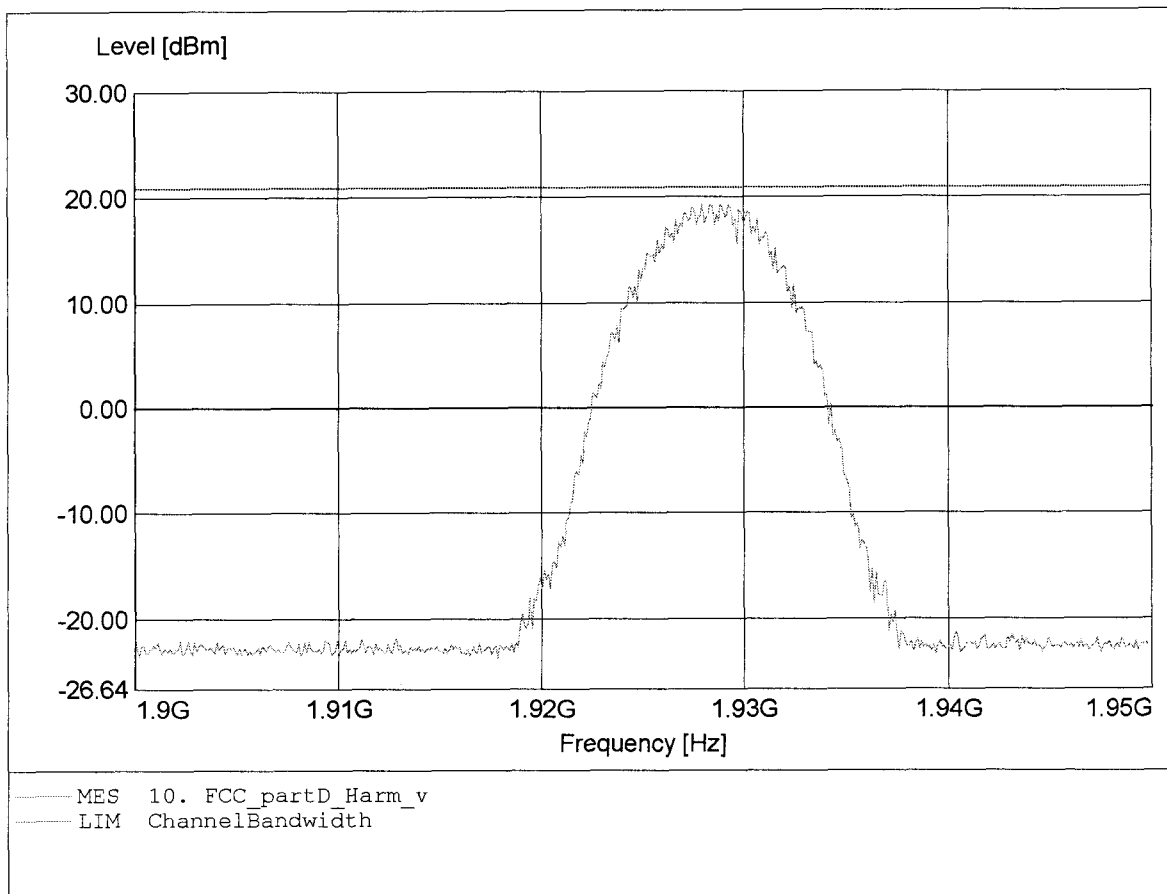
**Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D**

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 2 / Ch.: 2
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:17.81dBm RBW: 5 MHz



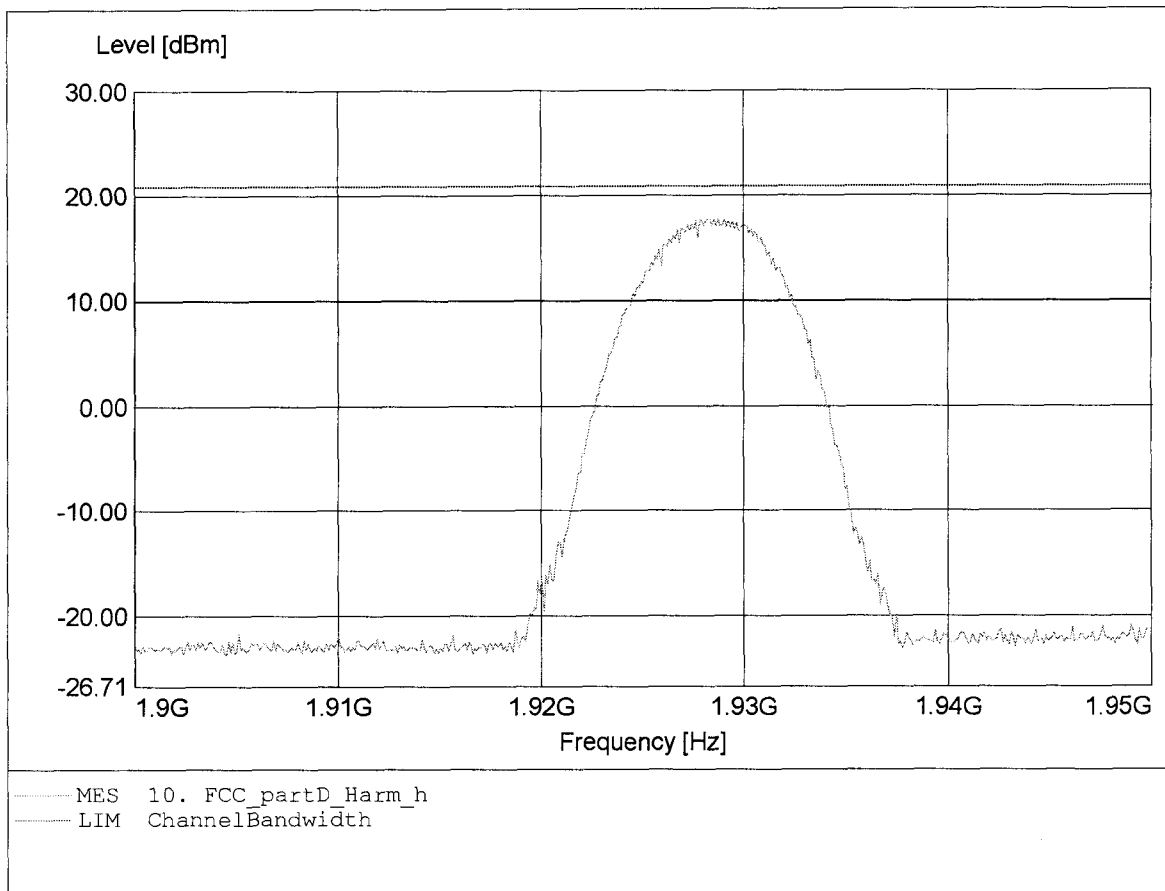
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 2 / Ch.: 0
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:19.31dBm RBW: 5 MHz



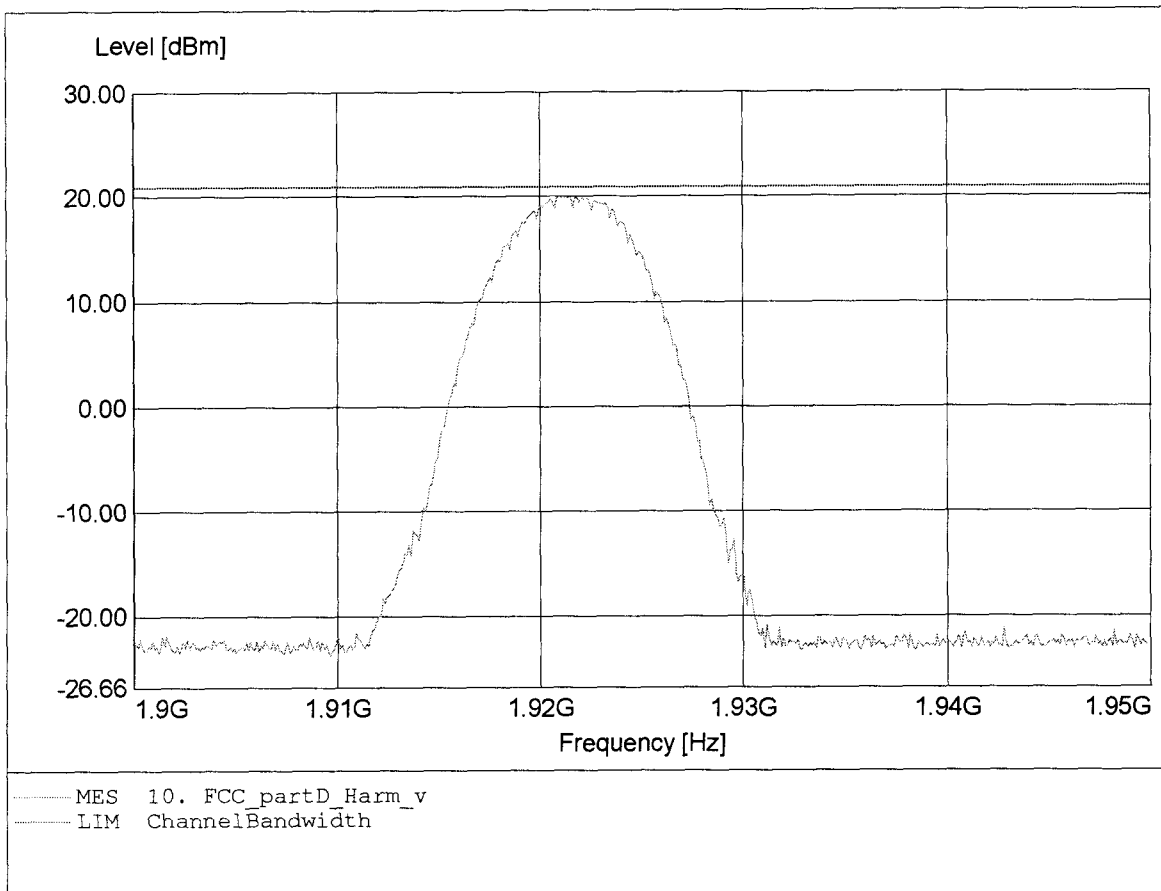
**Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D**

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 2 / Ch.: 0
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:17.74dBm RBW: 5 MHz



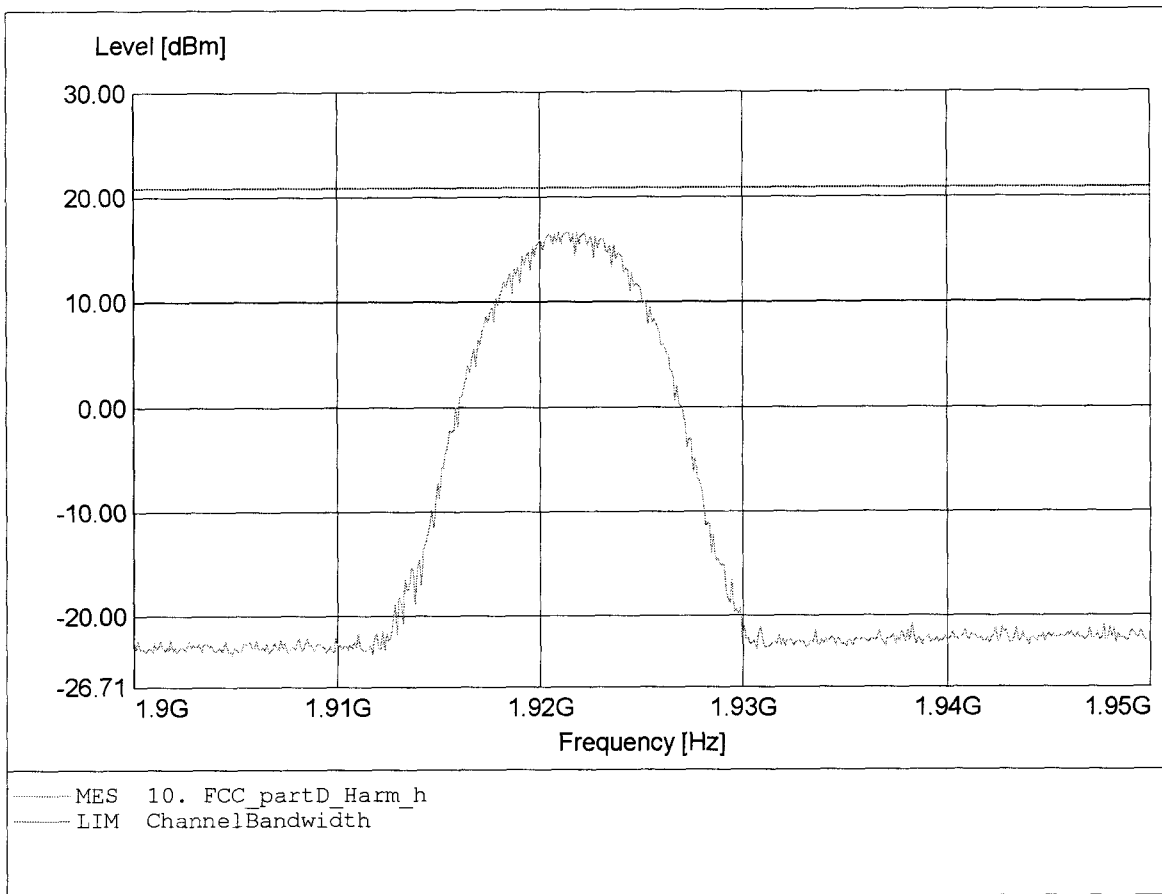
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 3 / Ch.: 4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:19.96dBm RBW: 5 MHz



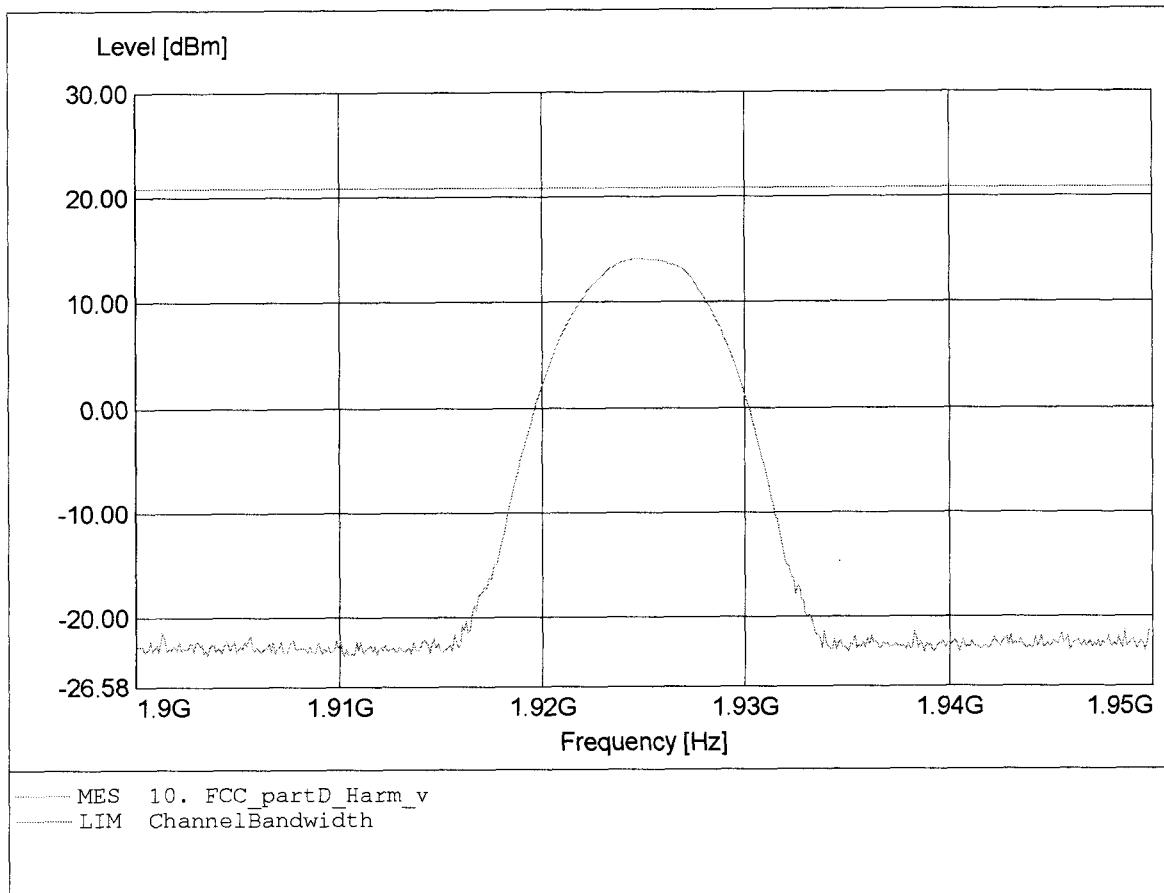
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 3 / Ch.: 4
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:16.65dBm RBW: 5 MHz



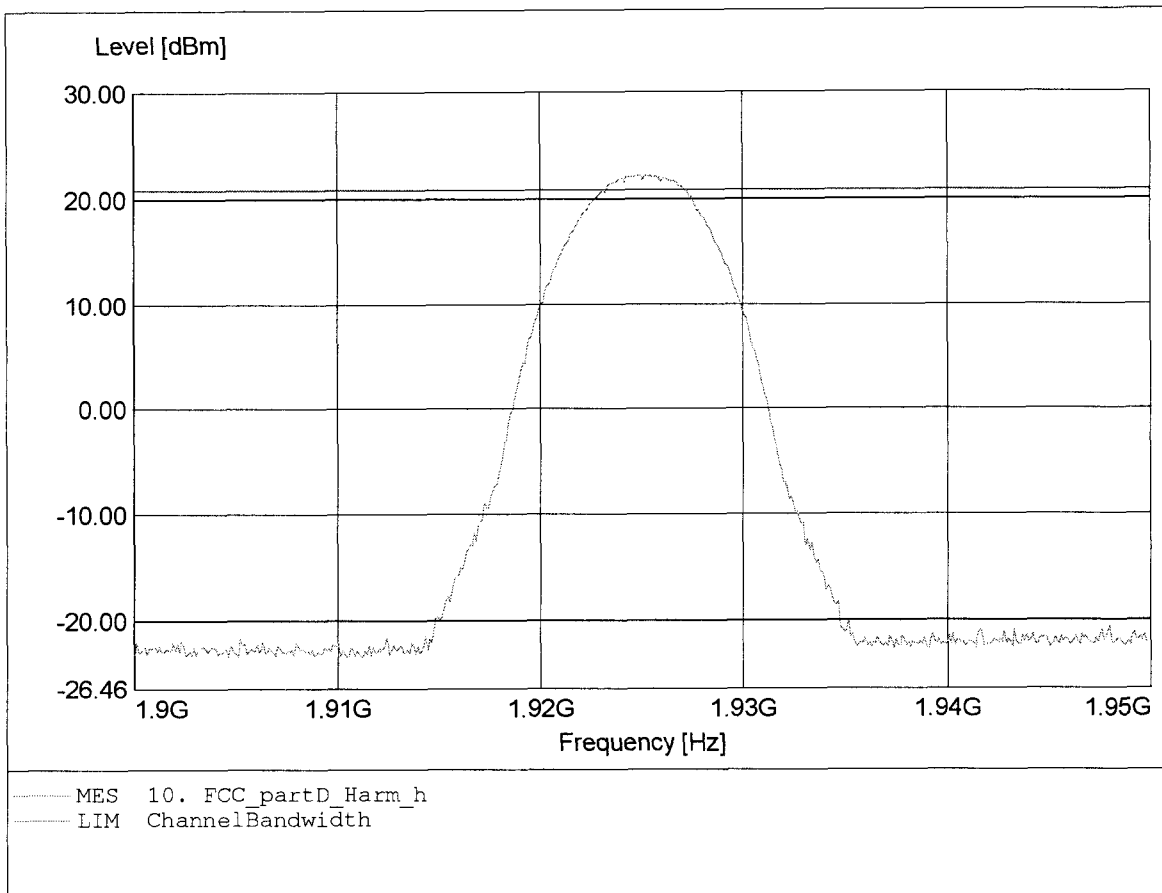
**Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D**

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 3 / Ch.: 2
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:14.10dBm RBW: 5 MHz



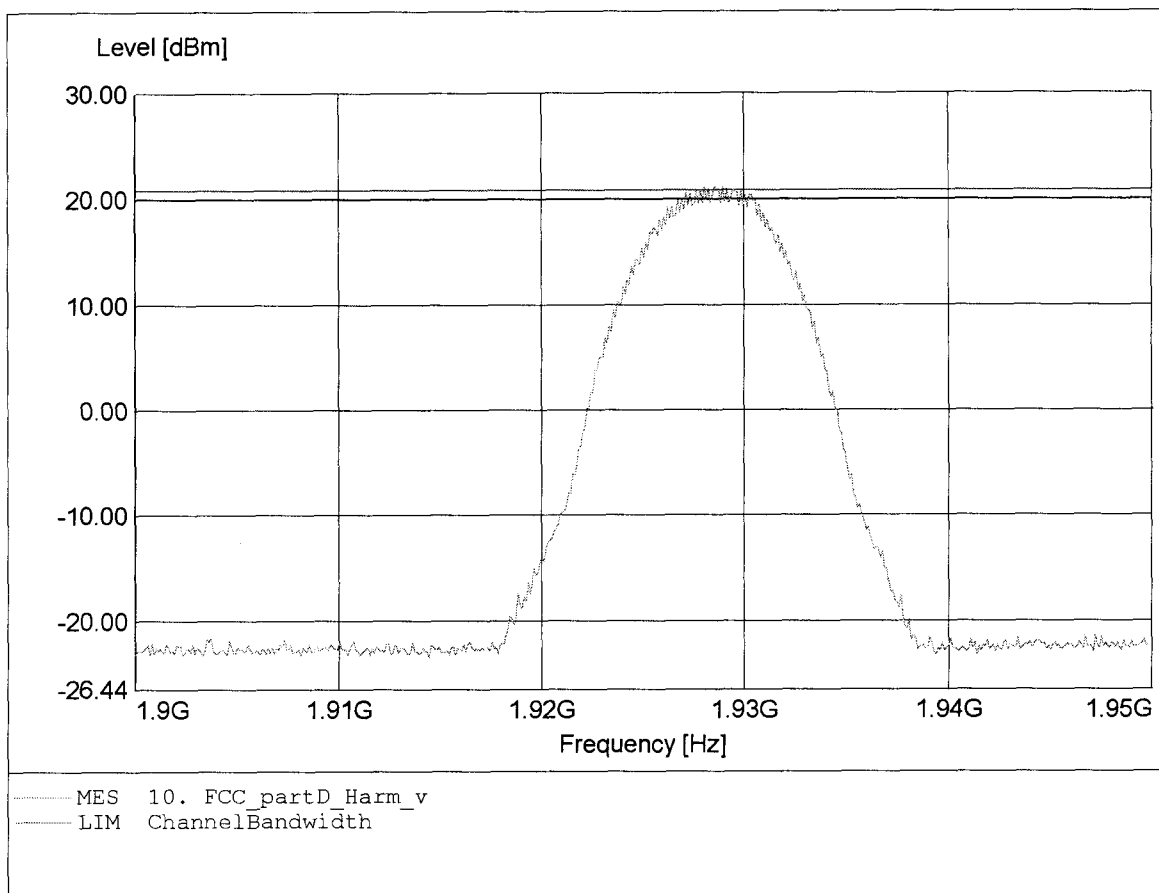
**Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D**

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 3 / Ch.: 2
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:22.15dBm RBW: 5 MHz



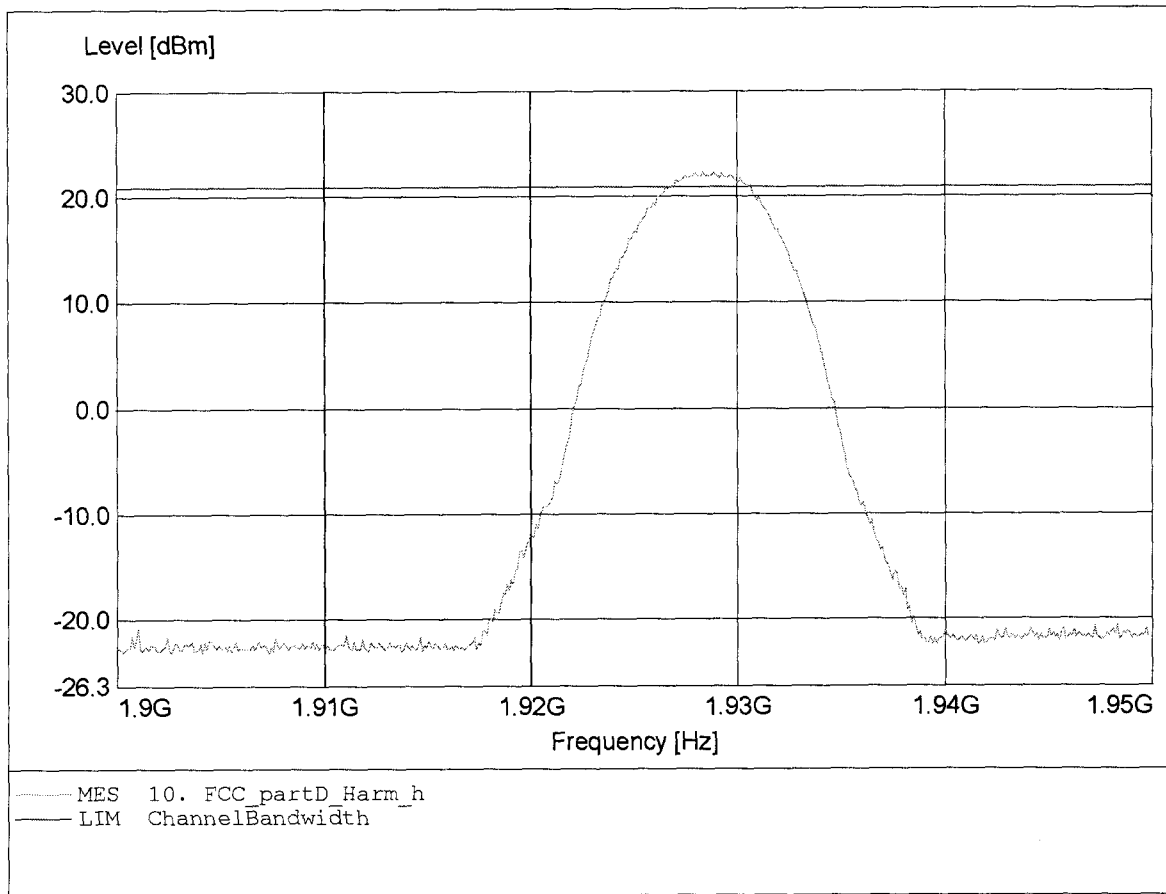
Peak Transmit Power, Radiated
FCC RULES PART 15, SUBPART D

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 3 / Ch.: 0
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
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:21.19dBm RBW: 5 MHz



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

Applicant: KIRK telecom A/S
EUT: 1.9 GHz Communication System
Model: WRFP4 1G9 / Antenna: 3 / Ch.: 0
Temperature/ Voltage: Temp.: 23°C, Unom.: 120 VAC (AC/DC adaptor)
Test Site / Operator: ETS / Mr. Handrik
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 025,
Comment 2: Freq:1.928GHz Pmax:22.32dBm RBW: 5 MHz





Appendix K

Monitoring threshold

Test case

Rev. Draft 1.1

ANSI_7.3.2.1.2_least_interfered_channel

Date 07.07.2005 11:27:09

Reference to the EUT

WRFP4 1G9

Comment:

7.3.2.1.2_b

EUT shall transmit on lowest interferer

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	
00:25:28.8125000	-81,1 -90,7	-81,9 -90,8	-53,1 -78,7	-81,3 -91	-81,1 -90,9	
00:25:30.0937500	-81,2 -90,7	-81,7 -90,8	-53,1 -78,7	-81,2 -90,9	-81 -90,7	
00:25:36.5937500	-56,6 -57	-56,3 -56,7	-51,1 -56,4	-68,6 -70,2	-62,1 -63	Interferers active
00:26:18.6718750	-48 -56,5	-41,4 -56,4	-32,7 -55,4	-16,8 -38,7	-36,1 -61,5	OK 1
00:26:22.7656250	-56,4 -56,8	-56,1 -56,6	-51 -56,3	-68,4 -70,2	-62,2 -63	
00:26:25.0468750	-56,6 -57,1	-56,3 -56,8	-51,2 -56,5	-68,2 -70,3	-62 -63	
00:27:13.8593750	-54,3 -56,5	-43,5 -56,4	-31,7 -55,2	-16,6 -38,3	-36,9 -61,7	OK 2
00:27:18.1406250	-56,2 -56,6	-55,9 -56,4	-49,5 -56,2	-68,5 -70,1	-62 -63	
00:27:20.2343750	-56,6 -57,1	-56,4 -56,8	-49,2 -56,5	-68,4 -70,2	-62,1 -63	
00:27:47	-47,3 -56,5	-41,3 -56,4	-31,6 -55,1	-16,8 -38,2	-36,8 -61,8	OK 3
00:27:49.7968750	-56,4 -56,8	-56 -56,5	-48,6 -56,3	-68,4 -70,1	-62,2 -63	
00:27:51.9218750	-56,6 -57,1	-56,3 -56,8	-51,1 -56,5	-68,3 -70,2	-62,2 -63	
00:28:10.8125000	-51,5 -56,5	-41,9 -56,4	-32,1 -55,2	-16,9 -38,4	-36,7 -61,7	OK 4
00:28:11.9062500	-46,8 -56,5	-41,3 -56,4	-31,8 -55,2	-68,3 -70,5	-37,1 -61,8	
00:28:12.0156250	-47,4 -56,5	-41,5 -56,4	-31,9 -55,3	-16,9 -38,3	-36,9 -61,6	OK 5
00:28:14.4687500	-56,2 -56,6	-56 -56,4	-50,4 -56,2	-68,3 -70,1	-62,2 -63	
00:28:16.5937500	-56,7 -57,1	-56,4 -56,8	-51,3 -56,5	-68,4 -70,2	-62,1 -63	
00:28:38.9843750	-46,5 -56,5	-41,4 -56,4	-31,8 -55,2	-16,6 -38,4	-36,6 -61,5	

Log file



Test case

Rev. Draft 1.1

ANSI 7.3.2.1.2_least_interfered_channel

Date 07.07.2005 11:41:57

Reference to the EUT

WRFP4 1G9

Comment:

7.3.2.1.2_d

EUT shall transmit on the channel with the lowest interferer

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

Time stamp	1921.536	1923.264	1924.992	1926.720	1928.448	Comment
	MHZ	MHZ	MHZ	MHZ	MHZ	
	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	
00:39:27.2187500	-80,8 -90,9	-81,5 -90,7	-53,3 -78,8	-81,6 -90,8	-81,2 -90,9	
00:39:32.8125000	-56,6 -57,1	-56,4 -56,8	-50,6 -56,4	-73,4 -77	-68,4 -70	Interferers active
00:40:02.3125000	-46,9 -56,5	-41,5 -56,4	-32,1 -55,2	-16,7 -37,5	-36,6 -64,7	OK 1
00:40:07.4062500	-38,1 -56,4	-55,8 -56,3	-49,4 -56,1	-73,3 -76,9	-67,8 -69,9	
00:40:47.1875000	-54,4 -56,5	-41,7 -56,5	-32,8 -55,9	-17 -42,3	-17 -41,7	OK 2
00:40:52.2031250	-47,1 -56,5	-41,5 -56,4	-32,1 -55,7	-17 -41,4	-68,3 -70,5	
00:40:52.3125000	-49,5 -56,5	-43,1 -56,5	-31,9 -55,8	-72,9 -76,9	-68,2 -69,9	
00:40:54.6718750	-47,1 -56,5	-43,2 -56,4	-32,6 -55,4	-16,7 -38,4	-36,6 -64,7	OK 3
00:40:59.3281250	-56,6 -57,1	-56,4 -56,8	-51,2 -56,5	-73,4 -77,1	-68,2 -70	
00:41:56.2187500	-32,6 -55,9	-17,1 -41,5	-32 -55,6	-16,9 -41,1	-36 -66,2	OK 4
00:42:10.8125000	-47,2 -56,5	-49,2 -56,4	-49,7 -56,2	-73,6 -76,8	-68,2 -70	
00:42:50.0781250	-48,5 -56,5	-42,1 -56,5	-31,8 -55,7	-16,6 -42	-32,2 -55,8	OK 5

Log file

Test case Rev. Draft 1.1 ANSI_7.3.1.1.3_upper_theshold
 Date 07.07.2005 11:05:48
 Reference to the EUT WRFP4 1G9
 Comment: Limit is -56.3 verdict:pass

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

Time stamp	1921.536	1923.264	1924.992	1926.720	1928.448	Comment
	MHZ	MHZ	MHZ	MHZ	MHZ	
	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	
00:03:48.4843750	-51,9 -52,3	-51,7 -52,4	-49,2 -52,5	-52,3 -52,6	-51,4 -52,6	
00:05:29.8750000	-51,8 -52,3	-52,2 -52,4	-49 -52,5	-51,5 -52,6	-52,3 -52,6	
00:06:02.9843750	-52,8 -53,3	-53,2 -53,4	-49,8 -53,5	-52,5 -53,6	-53,3 -53,6	
00:06:14.7343750	-54 -54,3	-54,1 -54,4	-50,6 -54,5	-54,3 -54,6	-54,3 -54,6	
00:06:25.5468750	-54,9 -55,3	-54,7 -55,3	-50,1 -55,2	-54,4 -55,2	-54,2 -55,2	
00:06:34.0468750	-52,4 -56,2	-48,2 -56,2	-41,2 -56,1	-52,5 -55,1	-46,5 -56,4	
00:06:47.9218750	-52,1 -57,2	-46,9 -57,2	-42,3 -57,1	-32,2 -55,8	-16,7 -38,1	Upper threshold is -57dB
00:06:51.4218750	-52,4 -57,2	-46,9 -57,2	-43,1 -57,1	-32,3 -55,8	-16,9 -38,5	

Log file