

Appendix M

Monitoring band width

Test case Rev. Draft 1.1 ANSI_7.4.1_monitoring_bandwidth
 Date 21.09.2005 14:35:19
 Reference to the EUT GOM20509-9830 / 5923-05500
 Comment: 7.4.1 simple compliance test low, mid., high +/-30%

Sigma / Connection Central
 LAKE Communications Ltd.

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	
03:08:39.0468750	-66,8 -87,3	-63,5 -84,2	-38,9 -60,8	-17,2 -37,4	-51,2 -71,9	No interference
03:10:10.7031250	-80,8 -91	-57,9 -58,4	-57,3 -58	-56,8 -57,9	-56,3 -57,8	Low -30 %
03:10:21.7031250	-80,1 -91,2	-57,9 -58,4	-57,2 -58	-56,8 -57,9	-56,4 -57,7	No connection
03:10:55.3593750	-65,4 -89	-55,4 -81,6	-38,7 -63,4	-17,1 -40,2	-46,5 -74,8	No interference
03:11:35.6718750	-81,7 -91,3	-57,9 -58,4	-57,3 -58	-56,7 -57,9	-56,3 -57,8	Low +30 %
03:11:40.3437500	-80,7 -91,2	-57,9 -58,4	-57,2 -58	-56,8 -57,9	-56,3 -57,8	No connection
03:12:01.3281250	-64,7 -89,2	-55,6 -81,6	-39 -63,8	-17,2 -39,7	-46,5 -75,1	No interference
03:12:38.4062500	-57,4 -58,2	-57,3 -57,8	-81,9 -91,2	-56,8 -57,9	-56,3 -57,8	Mid. -30%
03:12:41.1406250	-57,5 -58,2	-57,4 -57,8	-81,5 -91,1	-56,8 -57,9	-56,2 -57,8	No connection
03:12:59.6562500	-68,1 -89,3	-54,4 -80,9	-39 -63,3	-17,1 -40,2	-46,7 -74,9	No interference
03:13:39.2968750	-57,7 -59,6	-57,4 -57,8	-80,5 -91	-56,8 -57,9	-56,3 -57,8	Mid. +30%
03:13:45.0468750	-57,7 -59,5	-57,3 -57,8	-81,9 -91,3	-56,8 -57,9	-56,4 -57,8	No connection
03:14:15.8125000	-65,3 -89,3	-53,7 -80,8	-39,1 -63,4	-17,3 -40,4	-45,6 -74,6	No interference
03:14:56.8906250	-57,5 -58,2	-57,4 -57,8	-56,8 -57,6	-56,5 -57,6	-82,2 -91,1	High -30%
03:15:00.1093750	-57,6 -58,2	-57,4 -57,8	-56,9 -57,6	-56,4 -57,6	-80,8 -91,3	No connection

Log file



03:15:24.2968750	-63,7 -89	-55,5 -81,6	-39,1 -63,5	-17 -40,4	-46,6 -75	No interference
03:16:04.0156250	-57,5 -58,2	-57,4 -57,8	-56,9 -57,6	-56,5 -57,6	-81,6 -91,2	High +30%
03:16:07.6250000	-57,5 -58,2	-57,3 -57,8	-56,9 -57,6	-56,5 -57,6	-81,6 -91,1	No connection

Log file



Appendix N

Random waiting interval

Appendix O

Duration of Transmission



Appendix P

Connection acknowledgement

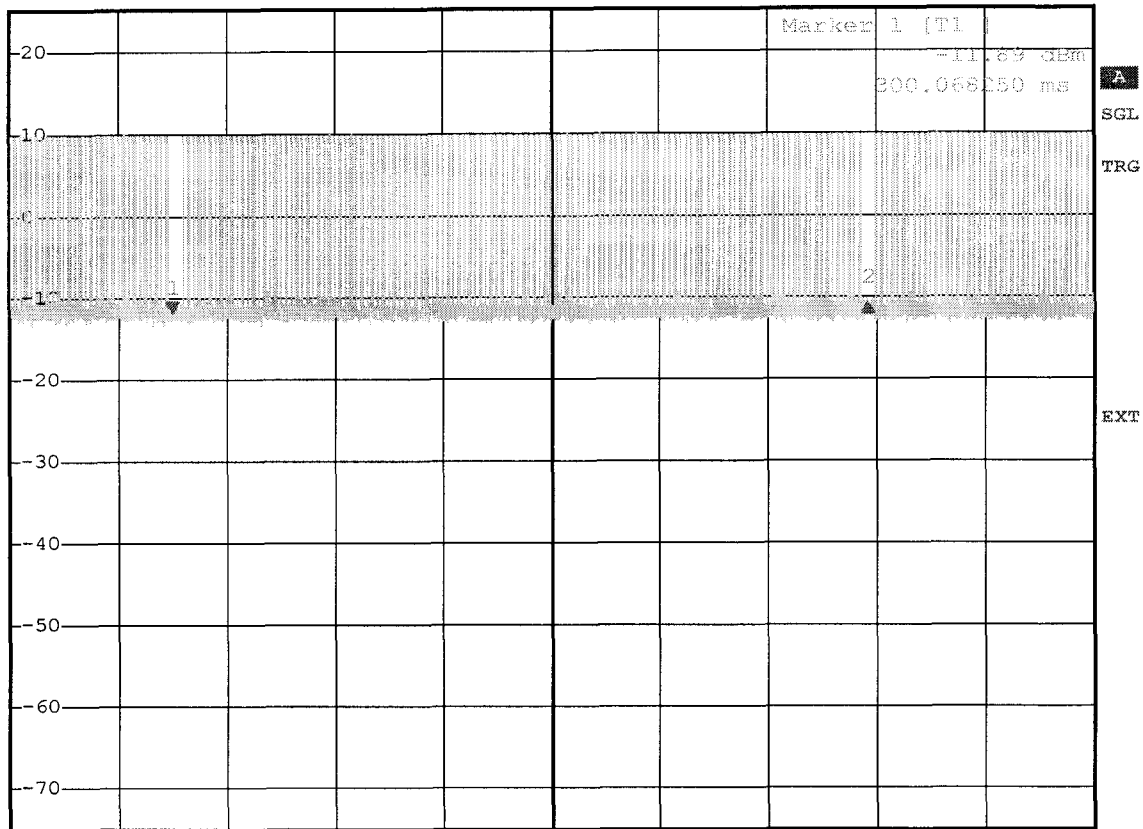


**ANSI 8.1 Unacknowledged Transmissions
UPCS1900**

EUT	US-DECT Fixed Part
Model	Sigma / Connection Central 5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	break after 1,3 seconds
Comment 2	limit 30 se.
Comment 3	verdict pass



DELTA MARKER 2		RBW 10 MHz	Delta 2 [T1]
1.28413175 s		*VBW 10 MHz	1.04 dB
Ref 25 dBm	Att 60 dB	SWT 2 s	1.284132 s



Comment: Ansi C63.17-1998 6.1.2
Date: 20.SEP.2005 08:07:30

Measurement diagram

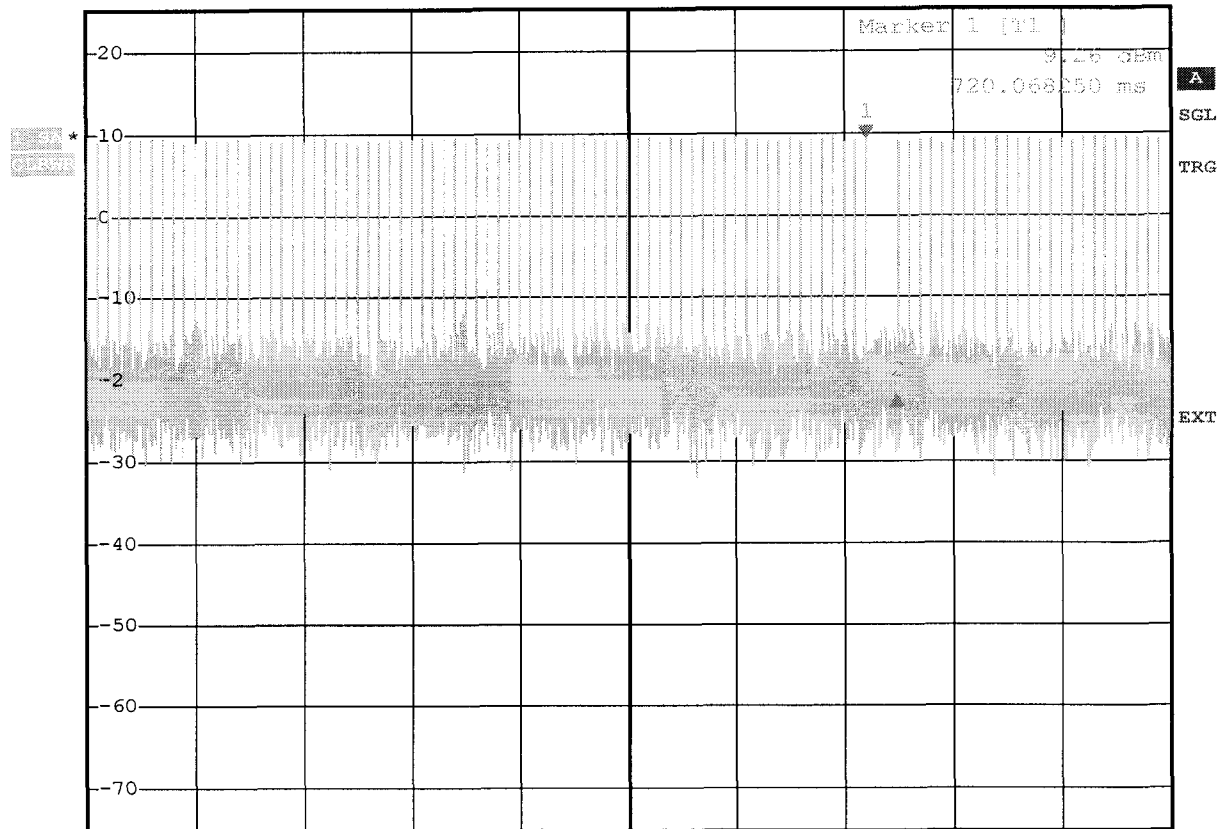


ANSI 8.1 Unacknowledged Transmissions
UPCS1900

EUT	US-DECT Fixed Part
Model	Sigma / Connection Central 5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	pause length
Comment 2	lower limit 10ms
Comment 3	verdict pass



DELTA MARKER 2		RBW 10 MHz	Delta 2 [T1]
28.13175 ms		*VBW 10 MHz	-31.37 dB
Ref 25 dBm	Att 60 dB	SWT 1 s	28.131750 ms



Center 1.925 GHz 100 ms/

Comment: Ansi C63.17-1998 6.1.2
 Date: 20.SEP.2005 07:14:03

Measurement diagram

Test case
transmissions_FP_only

Rev. Draft 1.1 ANSI_8.1.3_Unacknowledged

Date 21.09.2005 14:59:30
GOM20509-9830 / 5923-05500

Reference to the EUT

Comment:

8.1.3_limit 20 seconds

Sigma / Connection Central
LAKE Communications Ltd.

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	
03:48:58.5937500	-64,7 -89,3	-82,2 -91,3	-81 -91,1	-17,1 -40,7	-45,5 -74,2	Carrier on ch 1
03:49:04.3281250	-67,3 -89,4	-54,5 -80,9	-38,9 -63,2	-17 -40,1	-45,3 -73,6	Interference on ch 1
03:49:09.4843750	-54,8 -80,9	-39,8 -64	-17,3 -40,3	-47,4 -57,8	-54,9 -81,8	Changing to ch 2 after 5 sec.

Log file

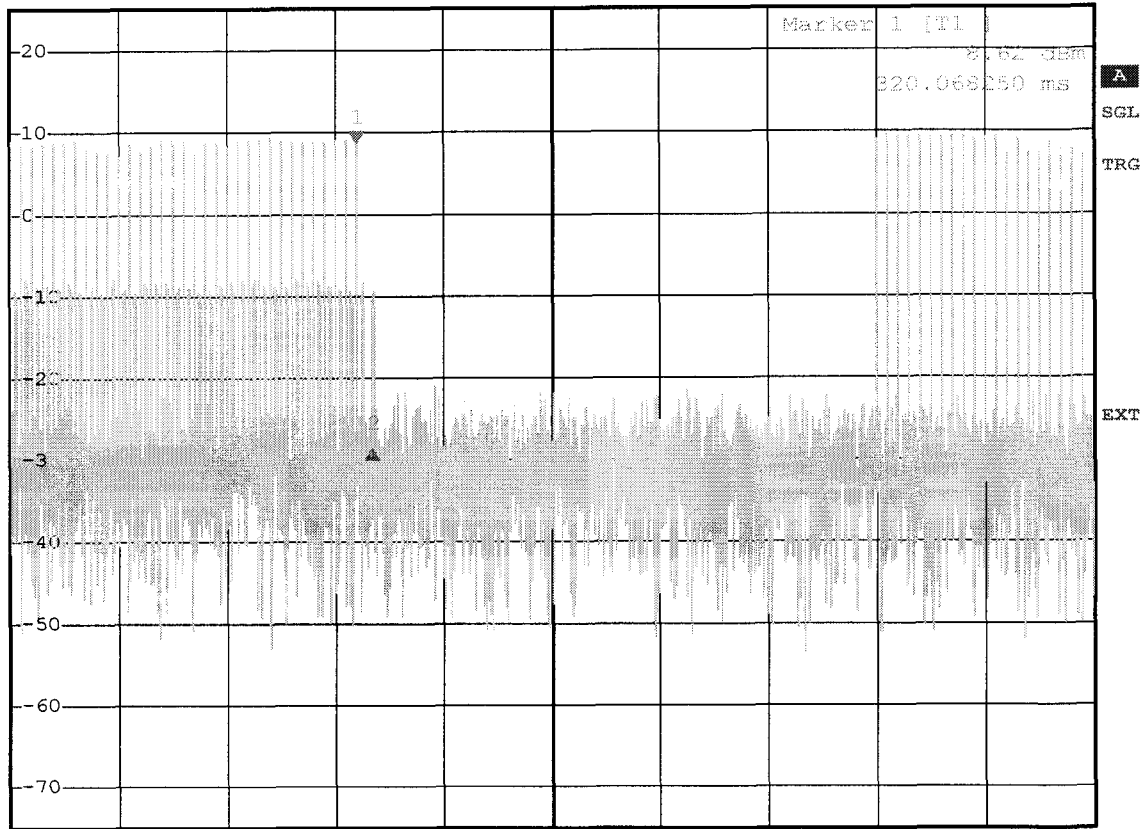


ANSI 8.2.1 Acknowledgments
1 sec. criteria

EUT	US-DECT Fixed Part
Model	Sigma / Connection Central 5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	The transmit time without acknowledgment is 14 msec.
Comment 2	limit 1 se.
Comment 3	verdict pass



DELTA MARKER 2		RBW 1 MHz	Delta 2 [T1]
14.13175 ms		*VBW 10 MHz	-37.36 dB
Ref 25 dBm	Att 60 dB	SWT 1 s	14.131750 ms



Center 1.924992 GHz 100 ms/

Comment: Ansi C63.17-1998 6.1.2
 Date: 20.SEP.2005 07:05:24

Measurement diagram

Test case 8.2.1 Acknowledgments
 Date 22.09.2005 08:42:15
 Reference to the EUT G0M20509-9830 / 5923-05500
 Comment: 30s criteria
 Verdict: Pass
 Sigma / Connection Central
 LAKE Communications Ltd.

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	
00:08:47.1875000	-64,6 -87,2	-54,7 -80,4	-39,1 -63,5	-17,2 -39,9	-42 -66,1	Control channel on 1926Mhz
00:08:47.3281250	-67,1 -87,9	-54 -80,9	-38,9 -63,2	-17,2 -40,2	-17,3 -36,2	Control channel on 1926Mhz Traffic channel on 1928MHz
00:08:47.5156250	-67,8 -87,4	-54,2 -80,1	-39,3 -63,5	-17,2 -40,2	-17,2 -36	
00:08:47.7031250	-69,6 -88,3	-68,4 -88,1	-60,6 -85,2	-39 -61,6	-17,1 -36	Traffic channel on 1928MHz
00:09:06.6718750 (A)	-72 -88,9	-70,9 -88,6	-60,9 -84,6	-38,9 -61,2	-17,1 -35,9	Last traffic measure- ment
00:09:06.7500000 (B)	-68,7 -89,3	-69,1 -89,6	-53,5 -80,5	-39,5 -63,5	-17,2 -40,1	Control channel on 192Mhz

Time difference between (A) and (B) is less than 30 sec

Log file



Appendix Q

Selected channel confirmation, power accuracy, segment occupancy

Test case
confirmation

Rev. Draft 1.1 ANSI_7.3.1.2_selected channel

Date 21.09.2005 13:21:49

Reference to the EUT

GOM20509-9830 / 5923-05500

Comment:

initial setup

Sigma / Connection Central
LAKE Communications Ltd.

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 (f1)	1928.448 MHz (f2)	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	
02:09:57	-38,9 -63,5	-17,2 -39,9	-45,6 -75,1	-54,6 -80,9	-69,7 -89,6	No interference
02:10:10.0625000	-57,1 -58,1	-51 -58,1	-39,2 -56,9	-17,3 -39,9	-45,5 -64,4	Interference on
02:10:44.3593750	-56,2 -58,2	-56,5 -58,1	-51,1 -58	-39,4 -63,1	-17,3 -40,5	f2 swich off, connection on f2
02:11:32.0156250	-57,1 -58,1	-51,2 -58,1	-38 -56,8	-17,3 -40,1	-47,2 -64,5	f2 swich on, connection on f1

Log file



Appendix R

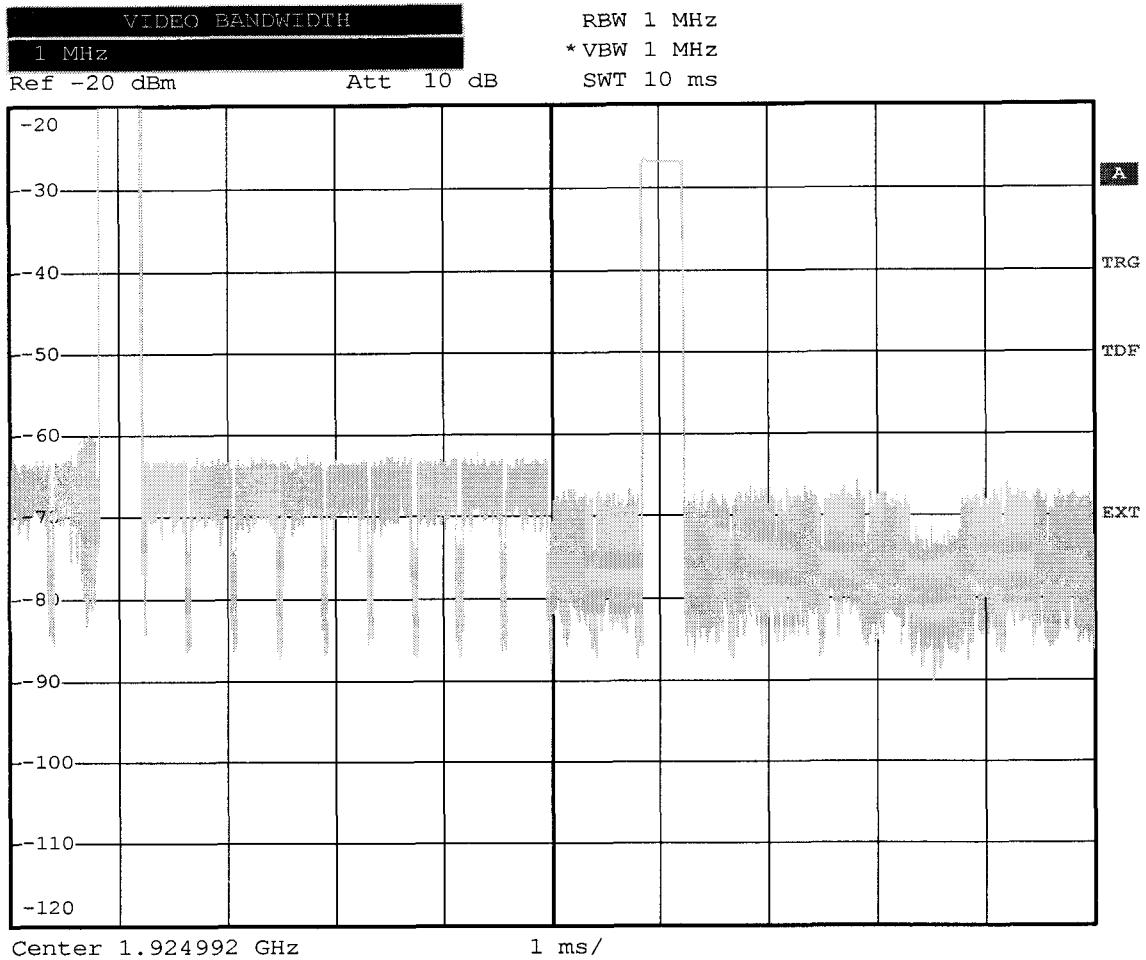
Duplex connections



ANSI 8.2.3 Duplex connections

Rx slot : l.c.t + 13 dBm, Tx slot : l.c.t. + 6 dBm

EUT	US-DECT Fixed Part
Model	Sigma / Connection Central 5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	Connection establishit in the Interference free time slot
Comment 2	
Comment 3	verdict pass



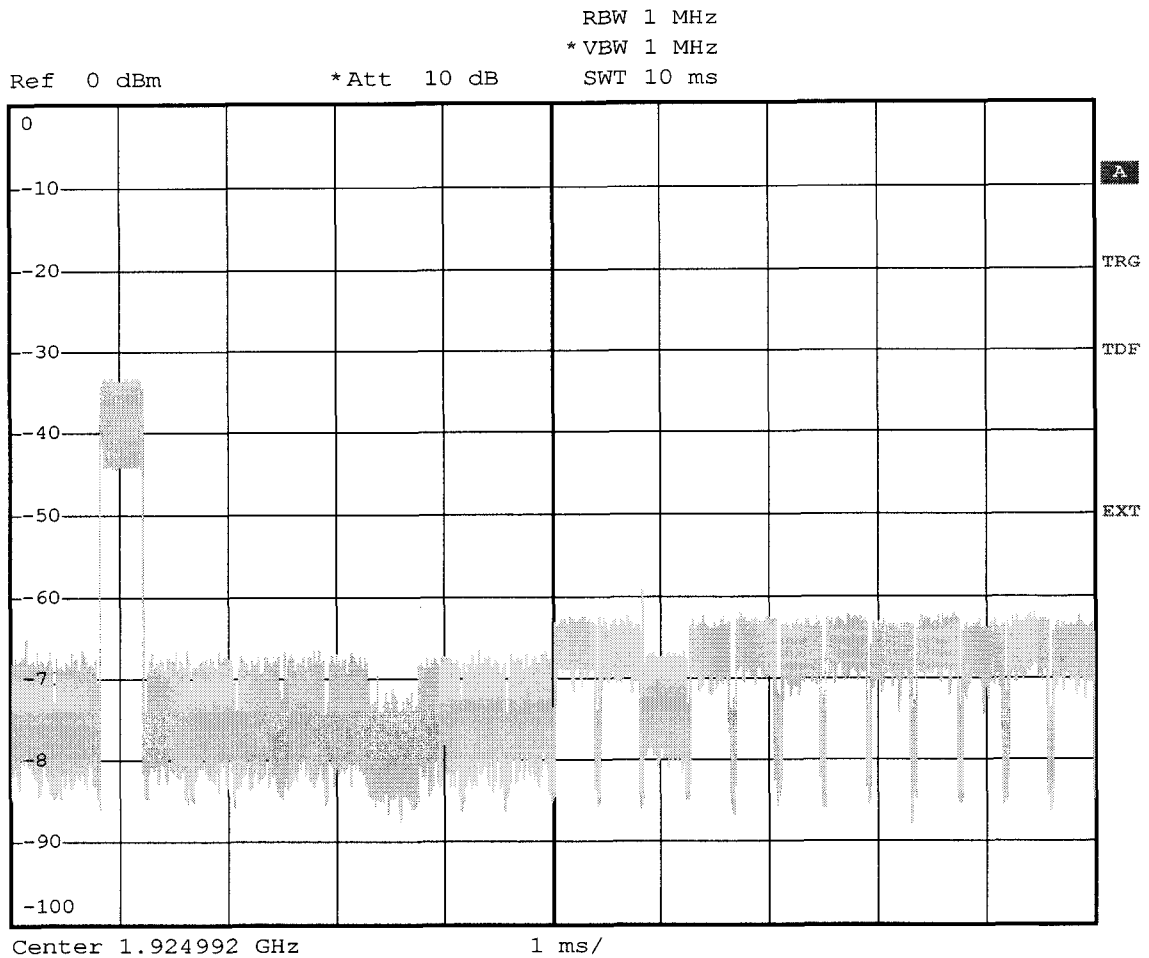
Comment: ANSI C63.17-1998
Date: 20.SEP.2005 13:09:08

Measurement diagram

ANSI 8.2.3 Duplex connections

Rx slot : l.c.t + 6 dBm, Tx slot : l.c.t. + 13 dBm

EUT	US-DECT Fixed Part
Model	Sigma / Connection Central 5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	Connection establishit in the Interference free time slot
Comment 2	
Comment 3	verdict pass



Comment: ANSI C63.17-1998
Date: 20.SEP.2005 13:15:21

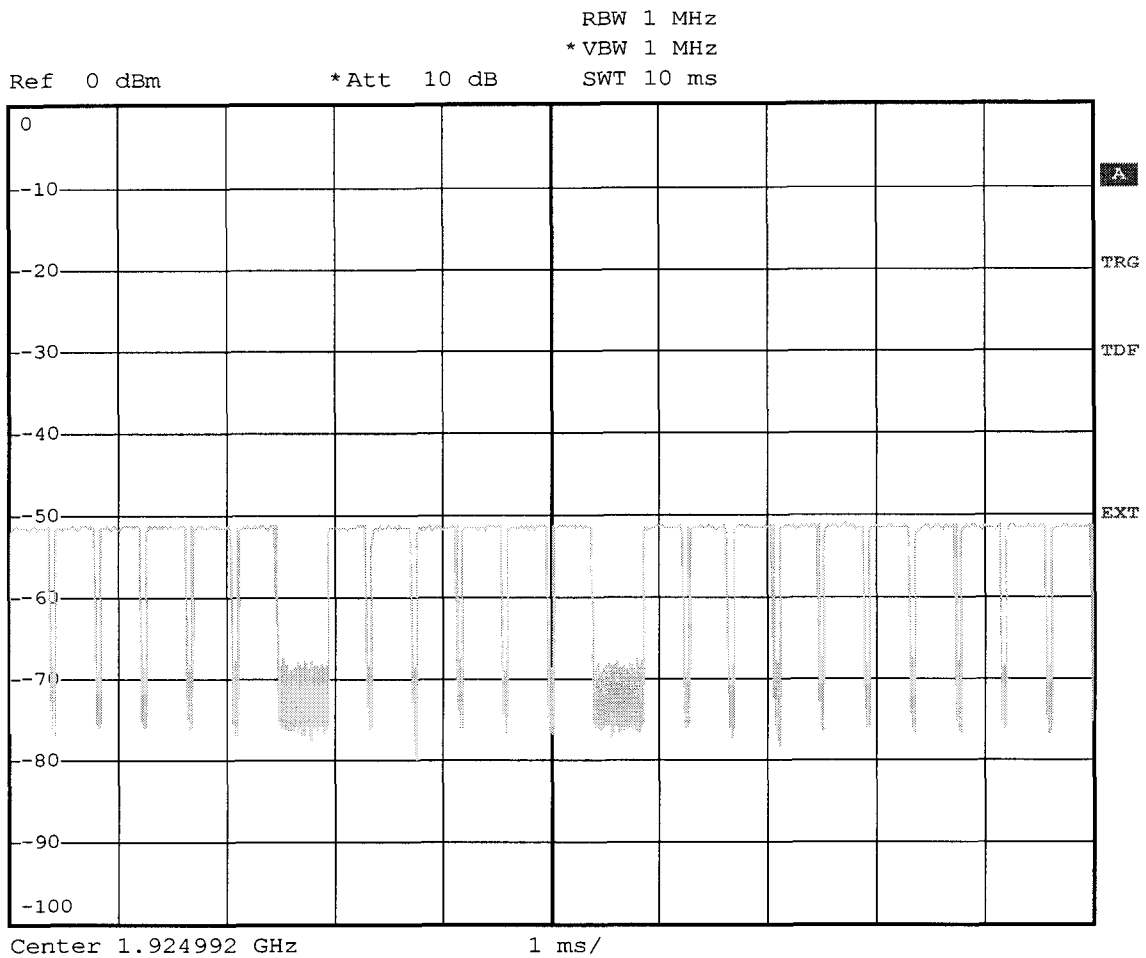
Measurement diagram



ANSI 8.2.3 Duplex connections

Rx slot: u.c.t +6dB, Tx slot: u.c.t +6dB,

EUT	US-DECT Fixed Part
Model	Sigma / Connection Central 5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS
Test Specification	ANSI C63.17-1998 Revision Draft 1.1
Comment 1	No connection establisht in the interference free time slot.
Comment 2	The slot pair are not a duplex slot pair.
Comment 3	No connection established, verdict pass



Comment: ANSI C63.17-1998
Date: 20.SEP.2005 13:19:46

Measurement diagram

Appendix S

Emissions inside and outside the sub-band

FCC Part 15.323(d.2) In-band unwanted emission

Testprocedure ANSI 63.17-1998 6.1.6.1
 UPCS

EUT	Sigma / Connection Central
Model	5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
Bandwidth used	1.86MHz



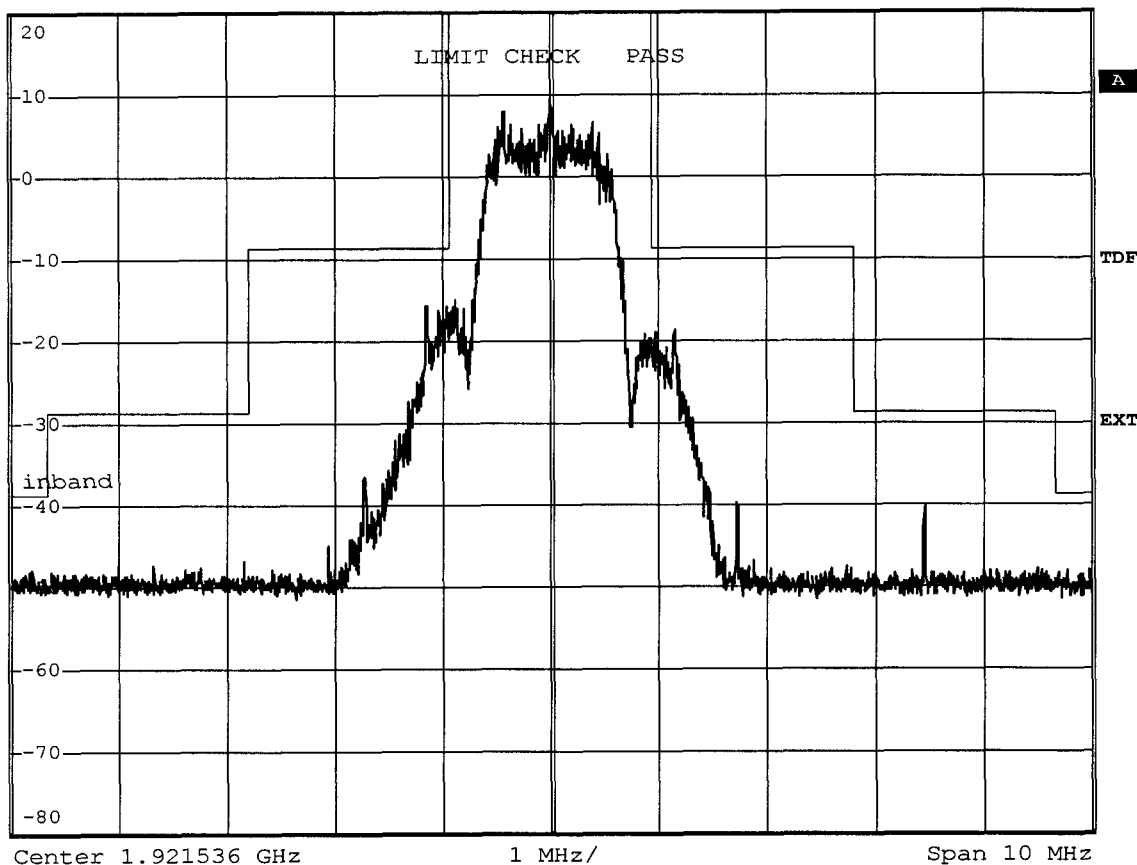
In-band unwanted emis

*RBW 10 kHz
 *VBW 30 kHz
 *SWT 23 s

Ref 20 dBm

*Att 30 dB

1 PK
 MAXH



Comment: Ansi C63.17-1998 6.1.6.1
 Date: 17.SEP.2005 15:05:01

Measurement diagram

FCC Part 15.323(d.2) In-band unwanted emission

Testprocedure ANSI 63.17-1998 6.1.6.1
 UPCS

EUT	Sigma / Connection Central
Model	5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
Bandwidth used	1.86MHz



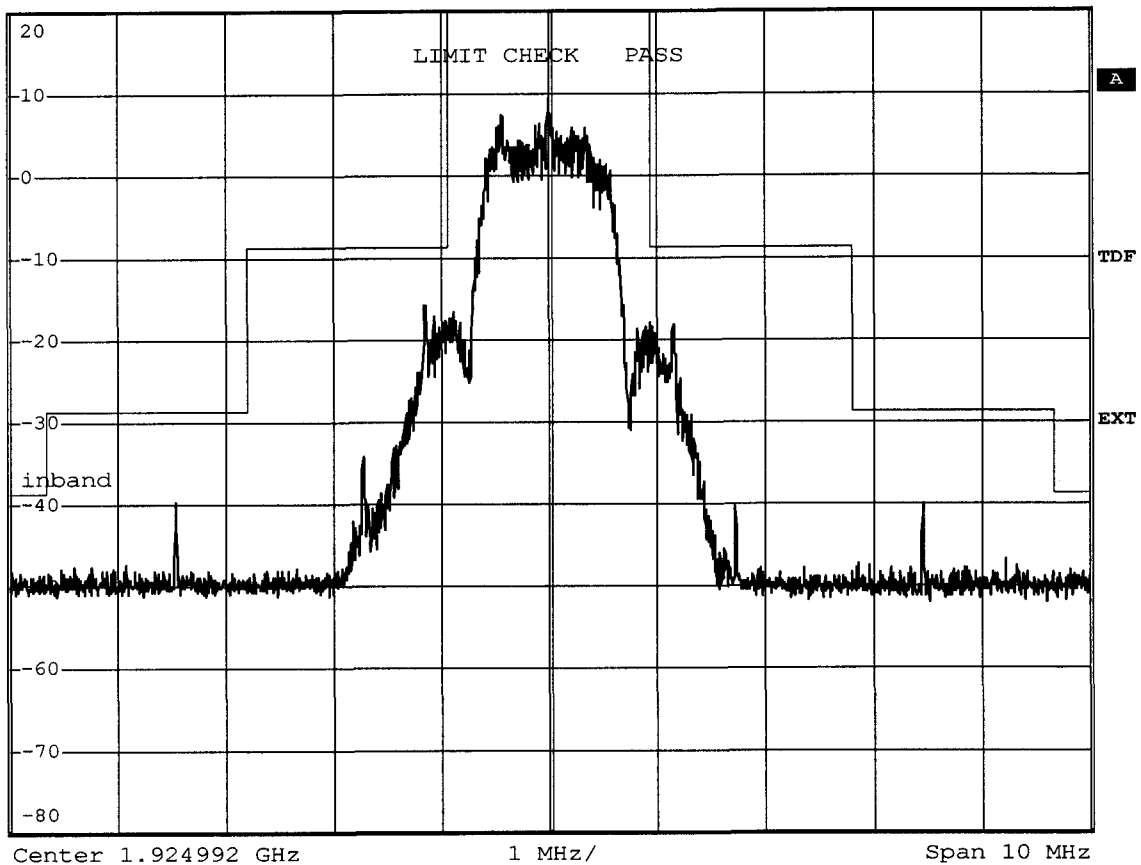
In-band unwanted emis

*RBW 10 kHz
 *VBW 30 kHz
 *SWT 23 s

Ref 20 dBm

*Att 30 dB

1 PK
 MAXH



Comment: Ansi C63.17-1998 6.1.6.1
 Date: 17.SEP.2005 15:03:07

Measurement diagram

FCC Part 15.323(d.2) In-band unwanted emission

Testprocedure ANSI 63.17-1998 6.1.6.1 UPCS

EUT	Sigma / Connection Central
Model	5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
Bandwidth used	1.86MHz



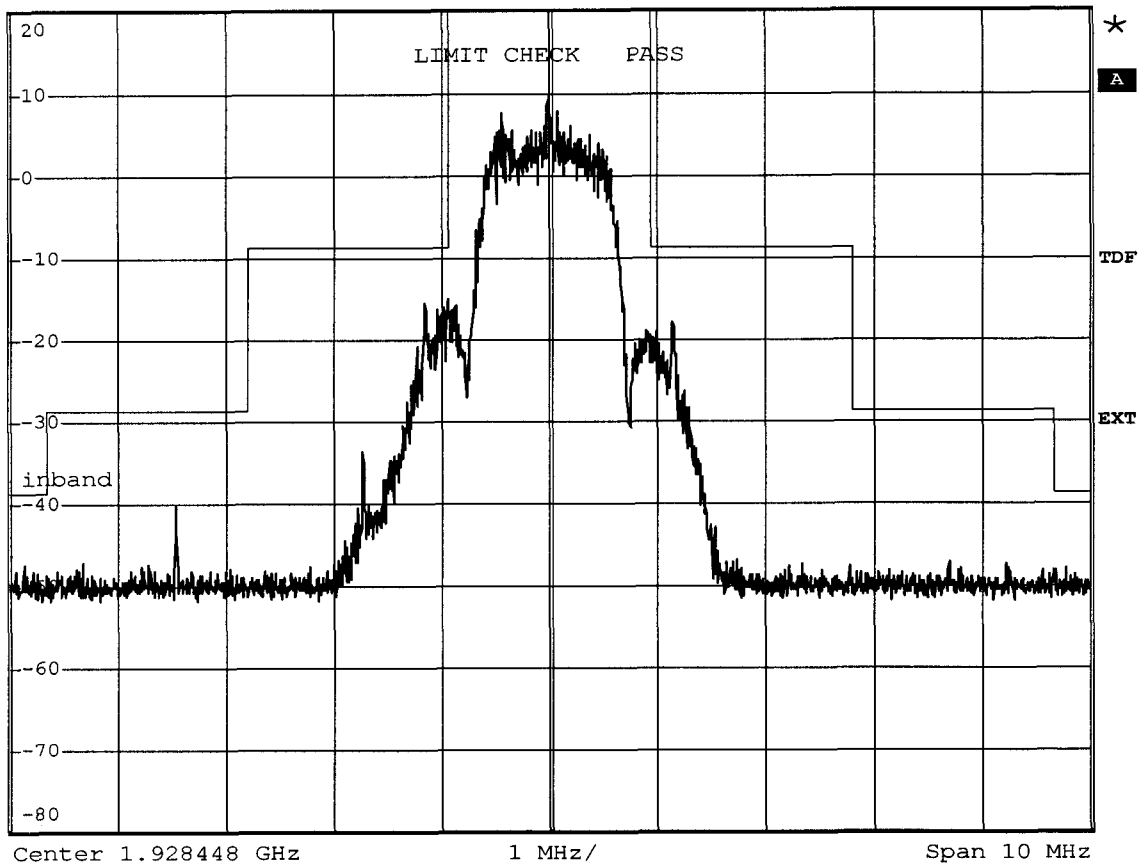
In-band unwanted emis

* RBW 10 kHz
* VBW 30 kHz
* SWT 23 s

Ref 20 dBm

* Att 30 dB

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.6.1
Date: 17.SEP.2005 15:00:04

Measurement diagram

FCC Part 15.323(d.1) Out-of-band emission

Testprocedure ANSI 63.17-1998 6.1.6.2 UPCS

EUT	Sigma / Connection Central
Model	5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.2 Out-of-band emission

measurement on the lowest carrier
Carrier=1921.536MHz



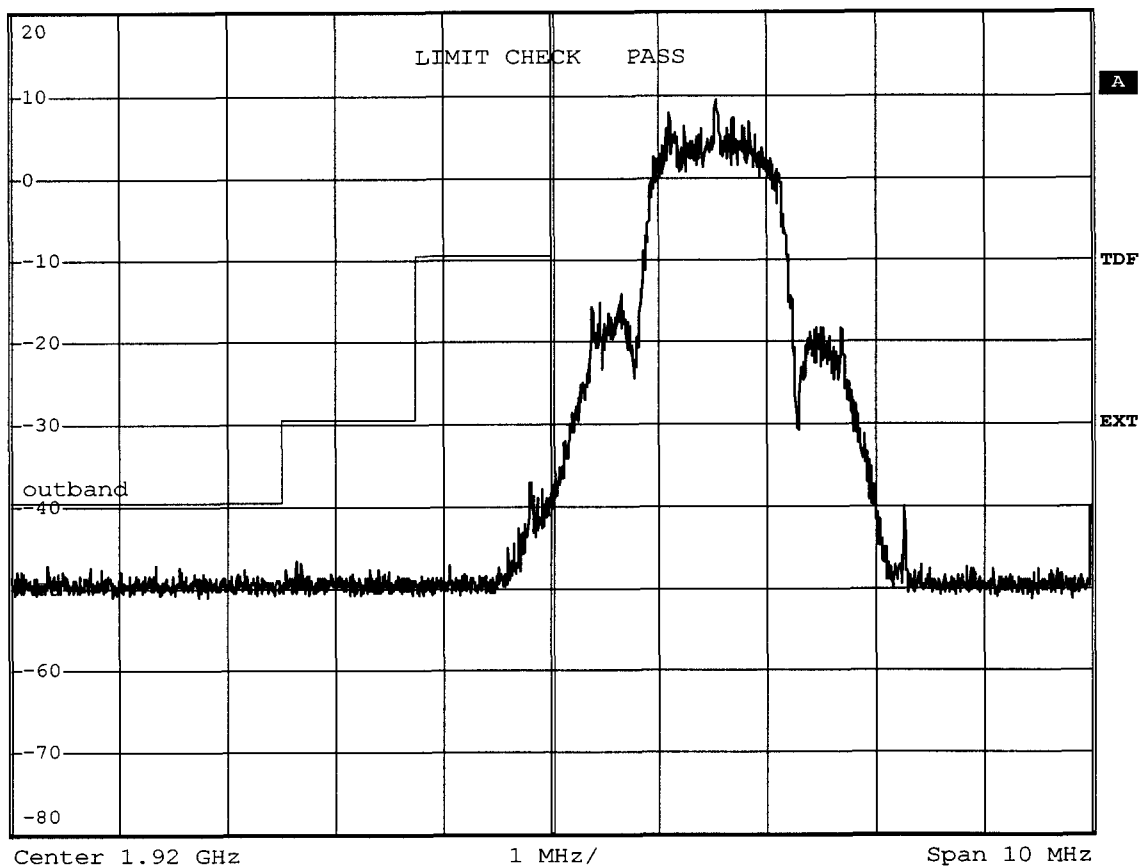
Out-of-band emission

*RBW 10 kHz
*VBW 30 kHz
*SWT 23 s

Ref 20 dBm

*Att 30 dB

1 PK
MAXH



Comment: Ansi C63.17-1998 6.1.6.2
Date: 17.SEP.2005 15:09:55

Measurement diagram

FCC Part 15.323(d.1) Out-of-band emission

Testprocedure ANSI 63.17-1998 6.1.6.2
 UPCS

EUT	Sigma / Connection Central
Model	5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.2 Out-of-band emission

measurement on the highest carrier
 Carrier=1928.448MHz



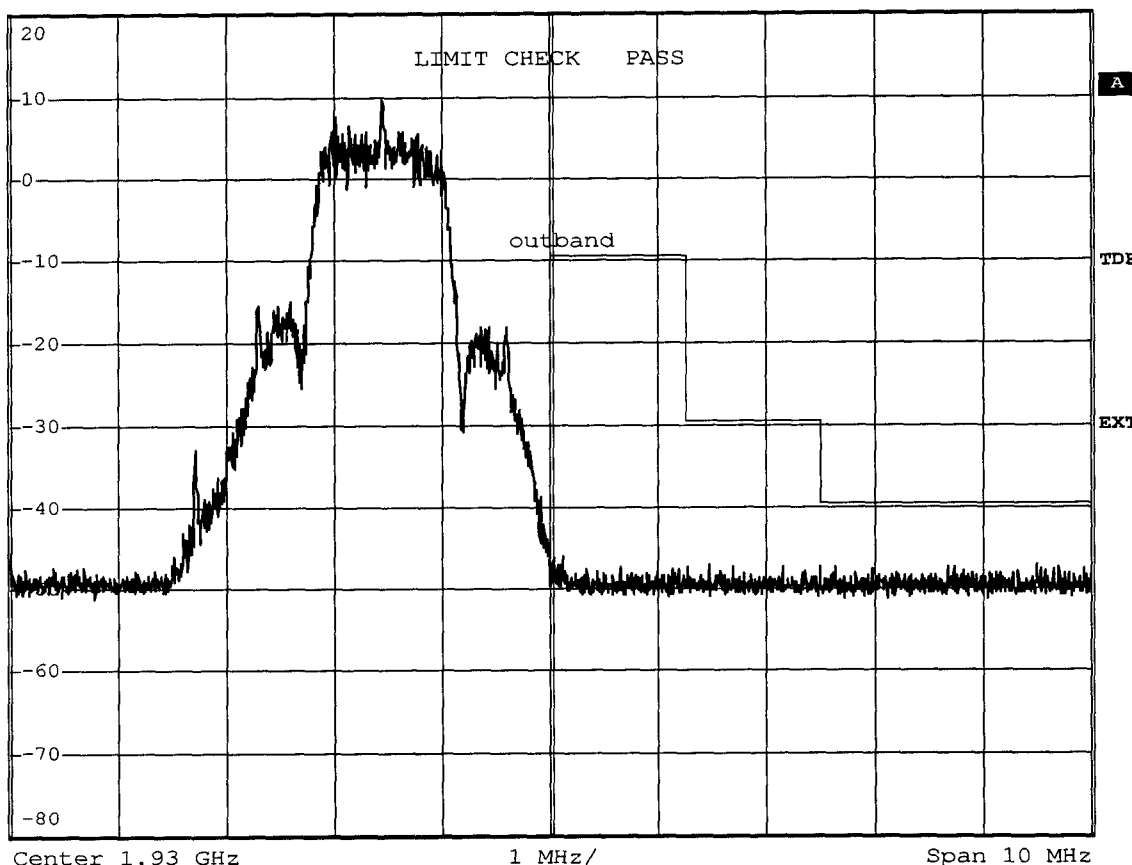
Out-of-band emission

*RBW 10 kHz
 *VBW 30 kHz
 *SWT 23 s

Ref 20 dBm

*Att 30 dB

1 PK
 MAXH



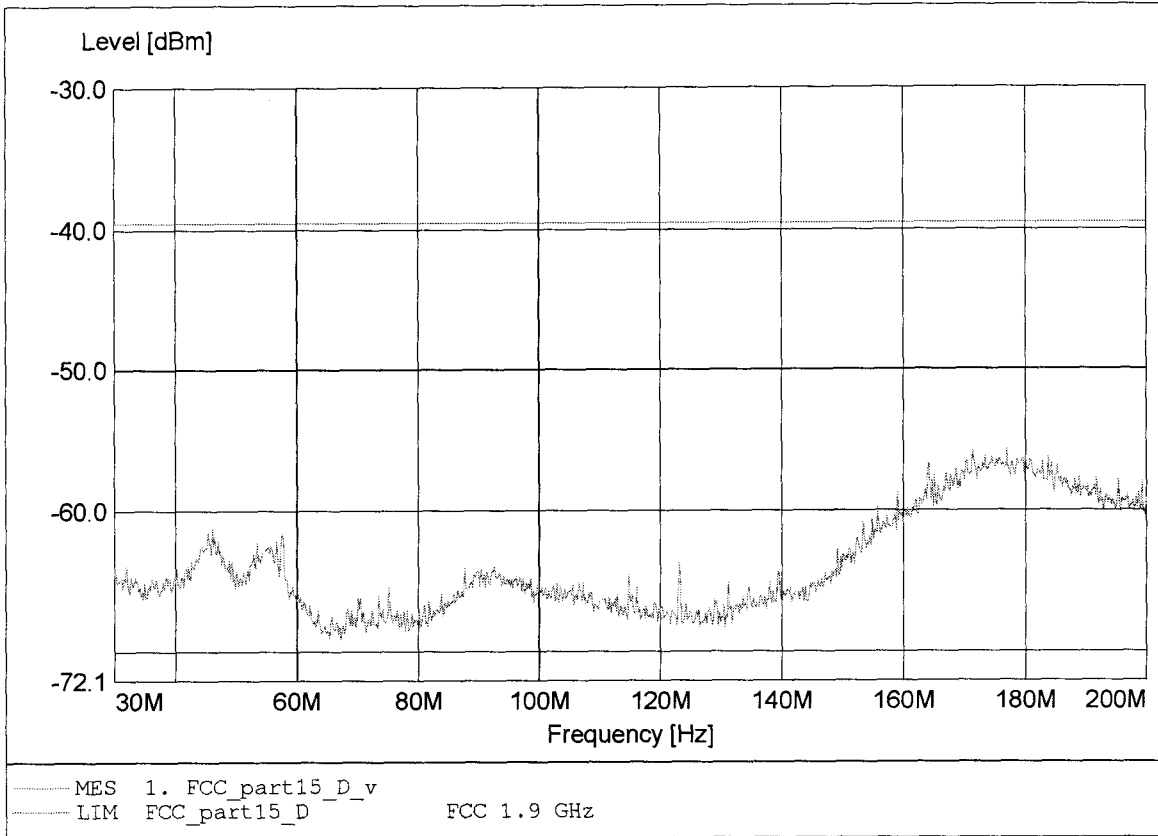
Comment: Ansi C63.17-1998 6.1.6.2
 Date: 17.SEP.2005 15:12:00

Measurement diagram

Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

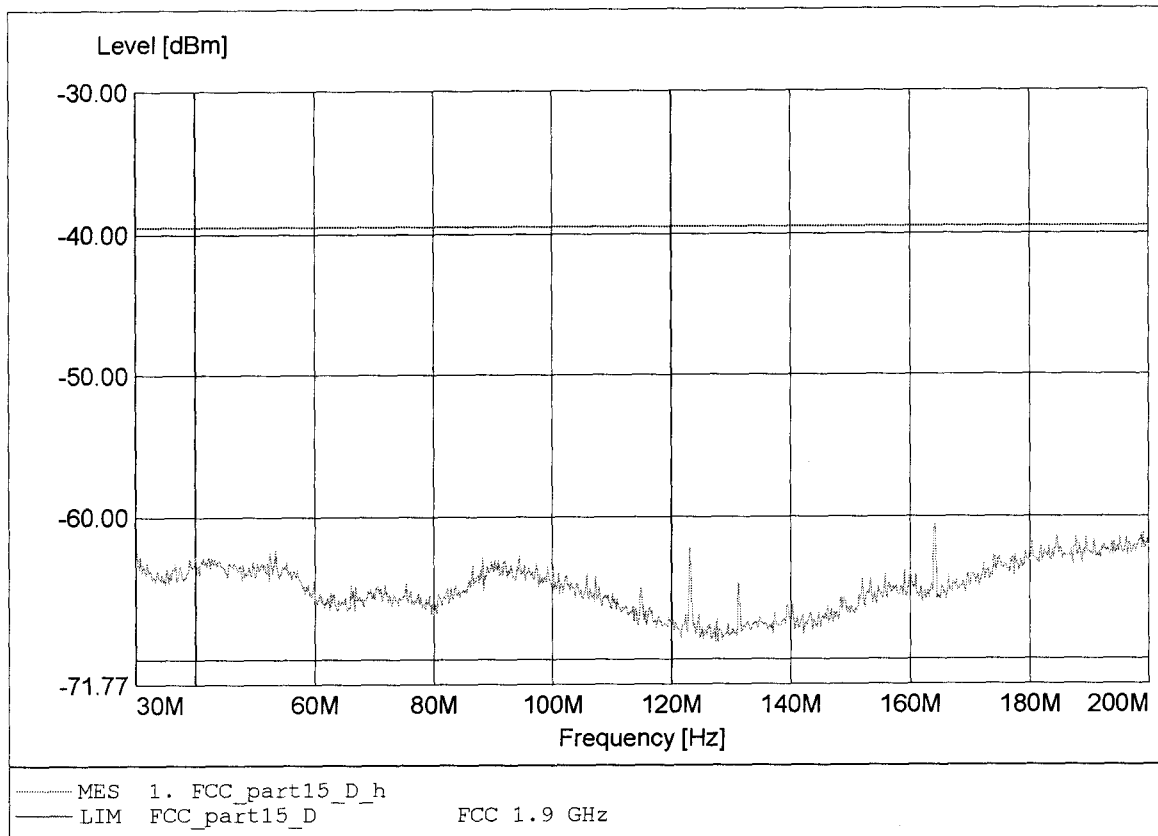
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 4
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:176.956MHz Pmax:-55.71dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

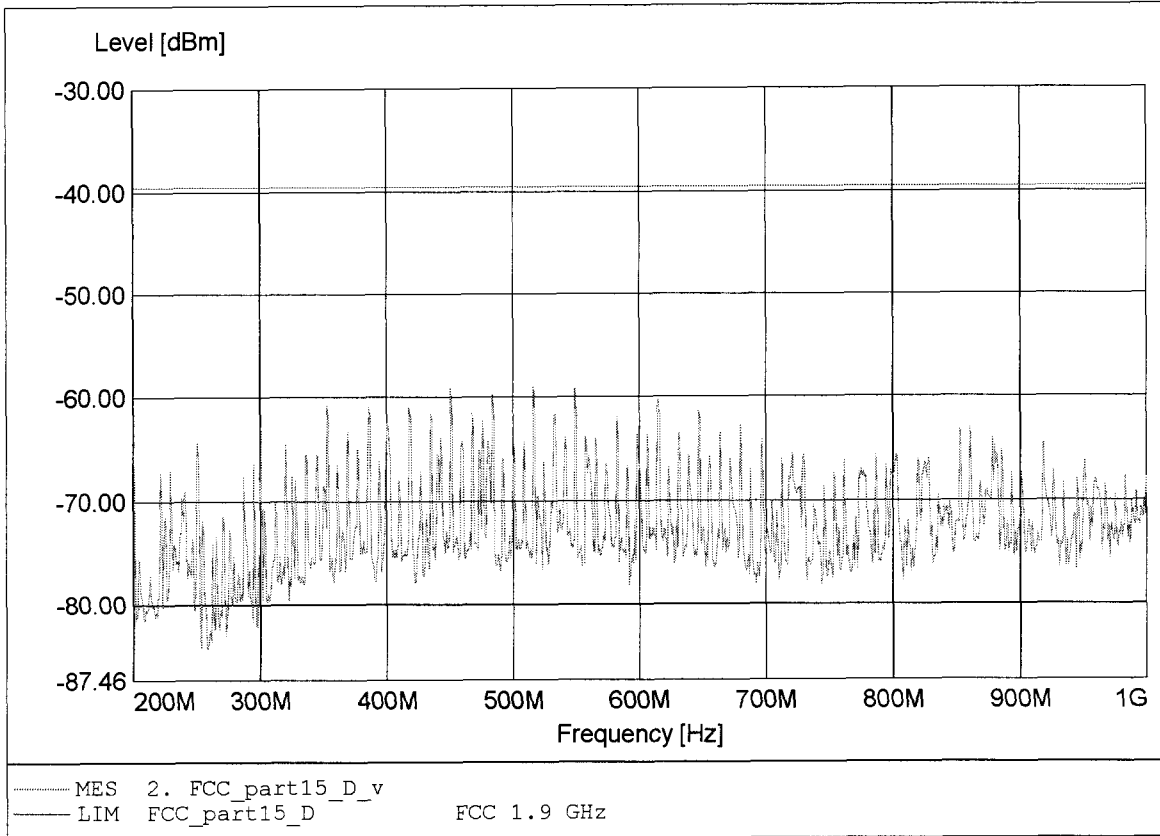
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 4
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:164.111MHz Pmax:-60.49dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

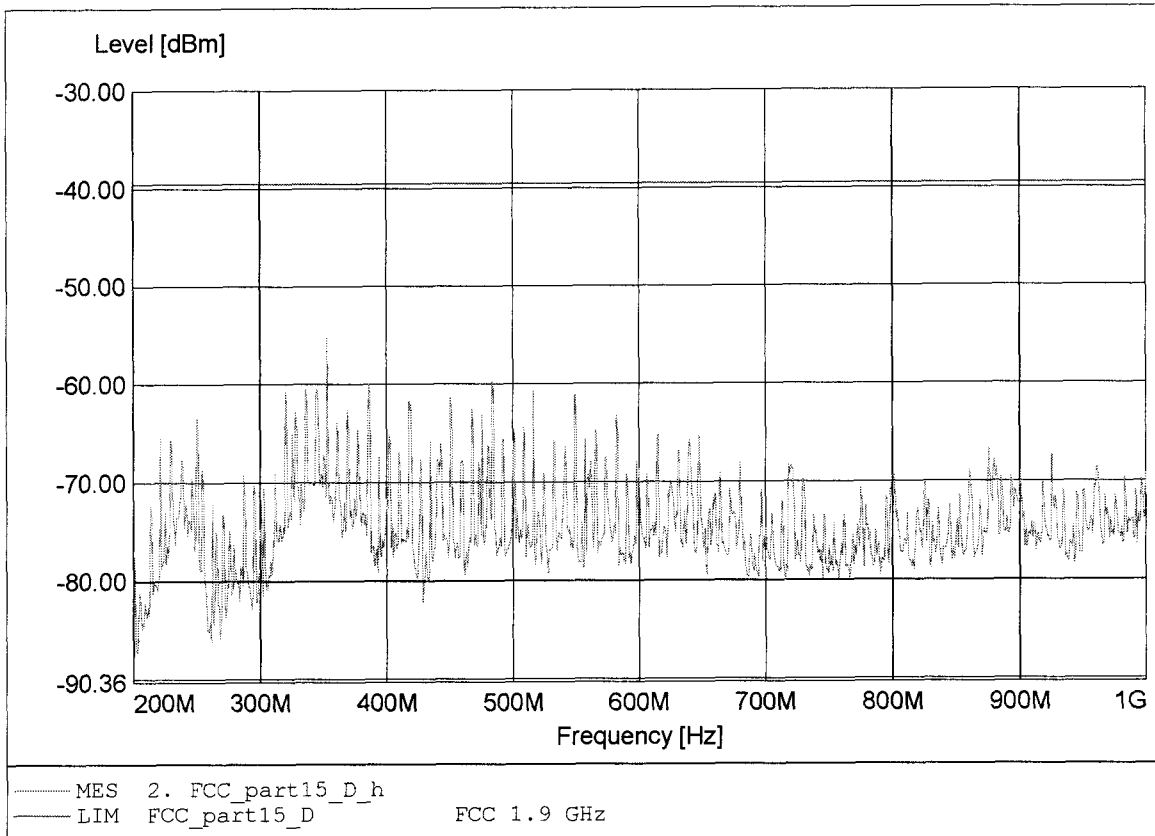
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:516.444MHz Pmax:-59.03dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

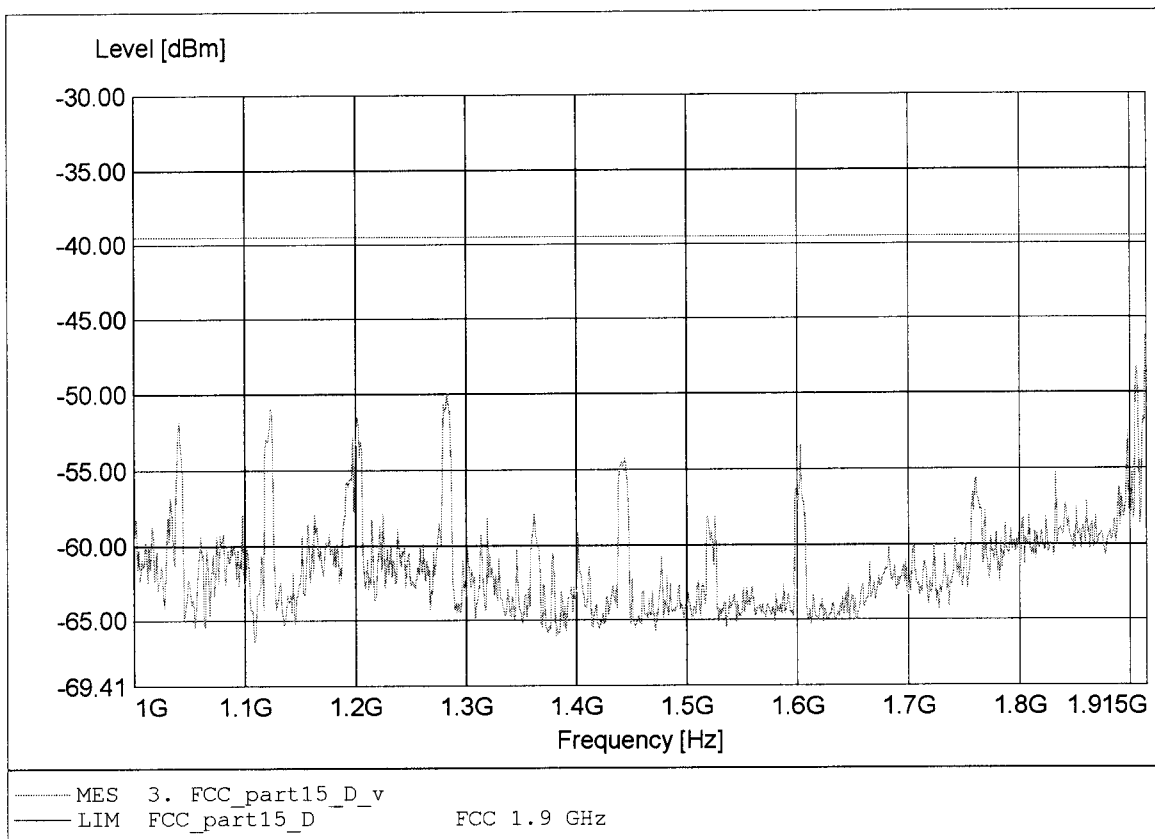
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:352.889MHz Pmax:-55.35dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

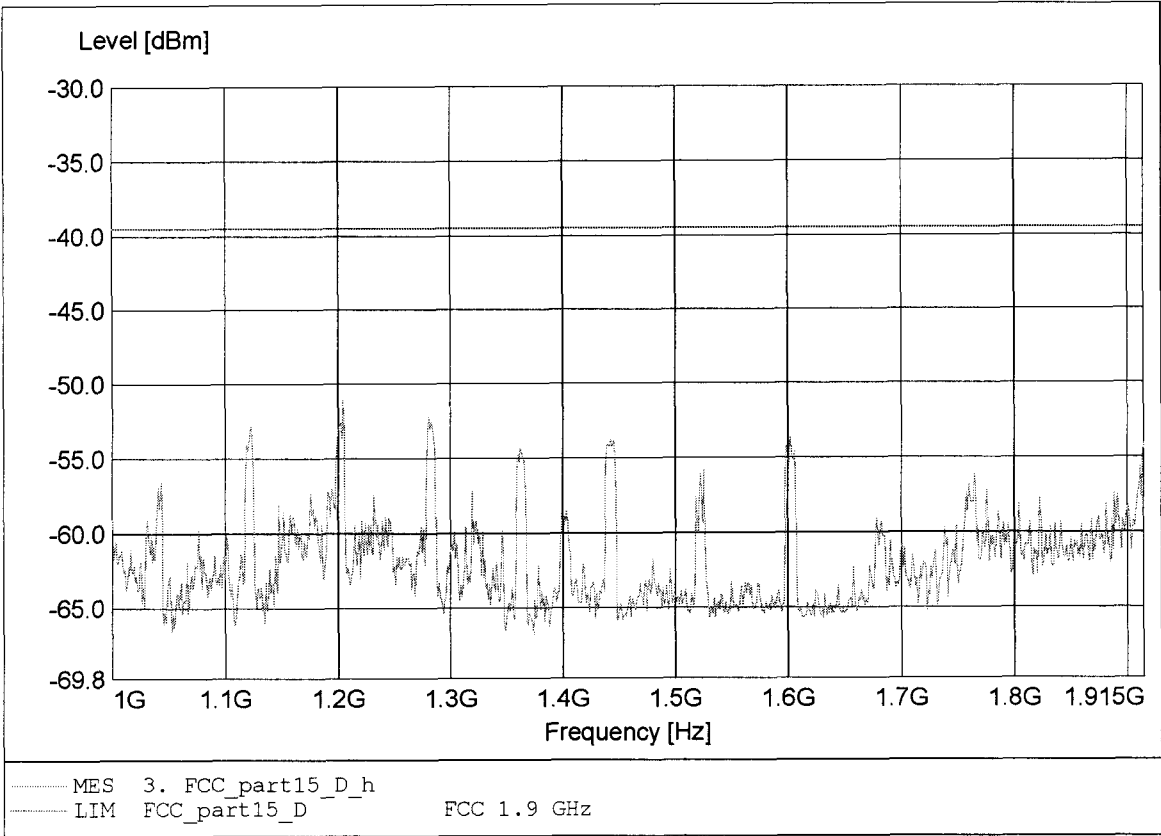
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.914GHz Pmax:-46.21dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

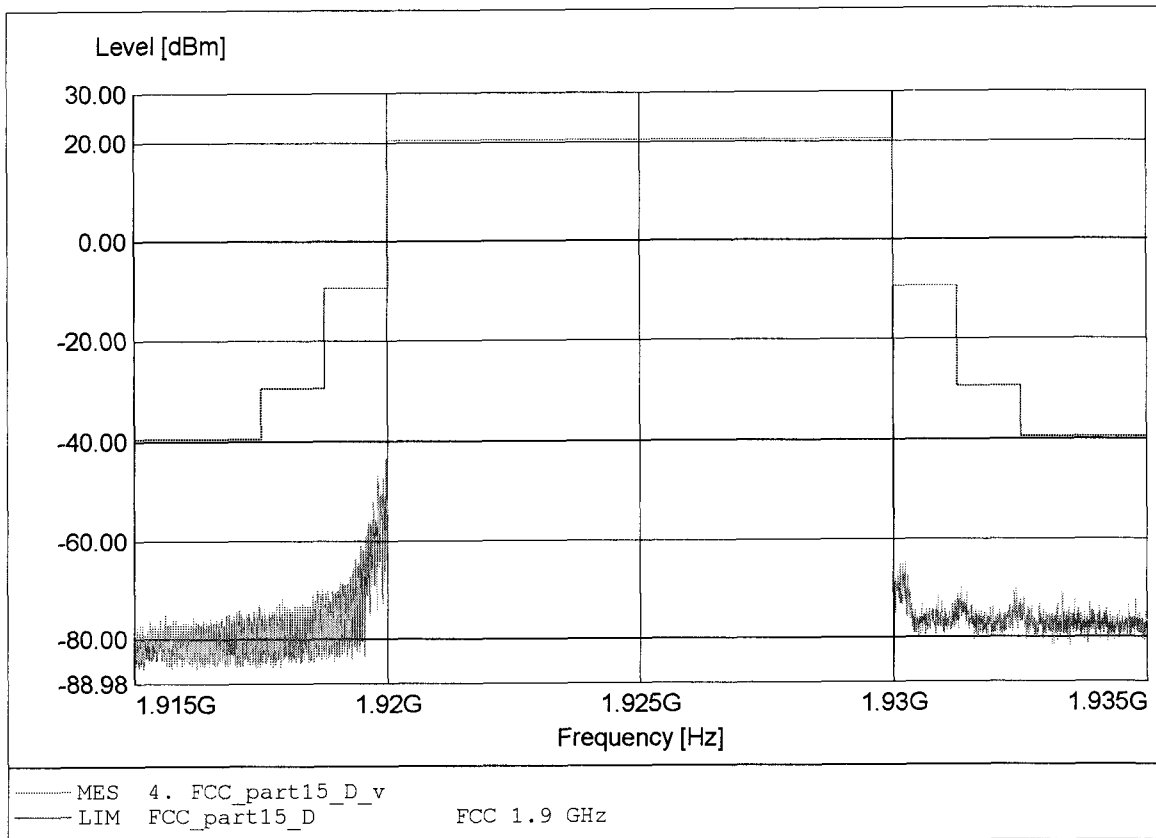
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.204GHz Pmax:-51.13dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

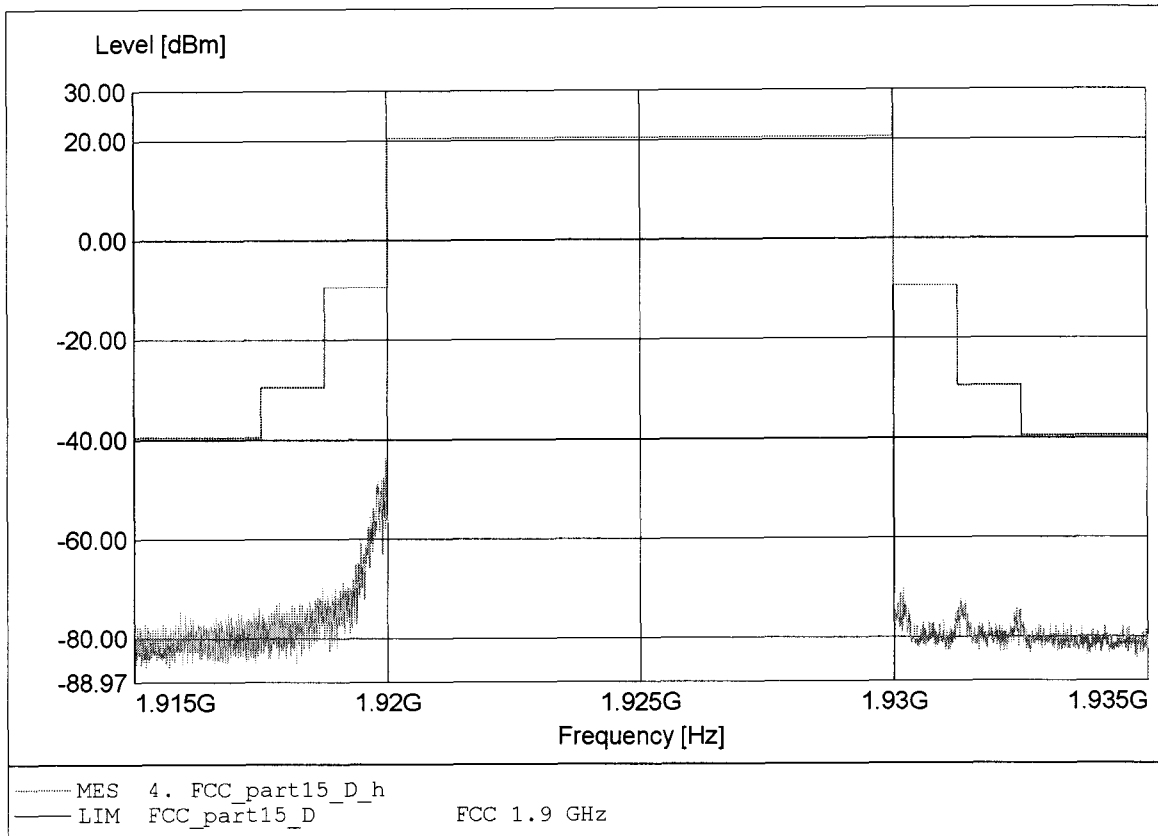
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-43.50dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

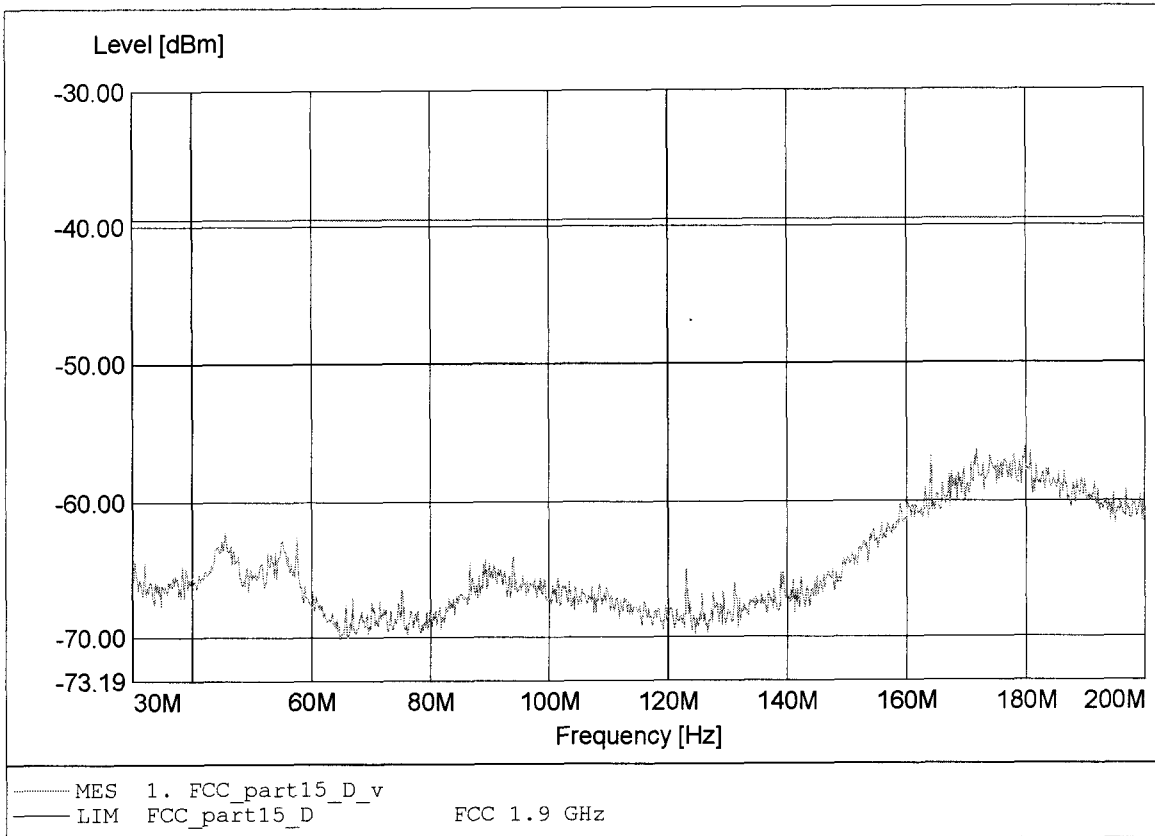
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-43.83dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

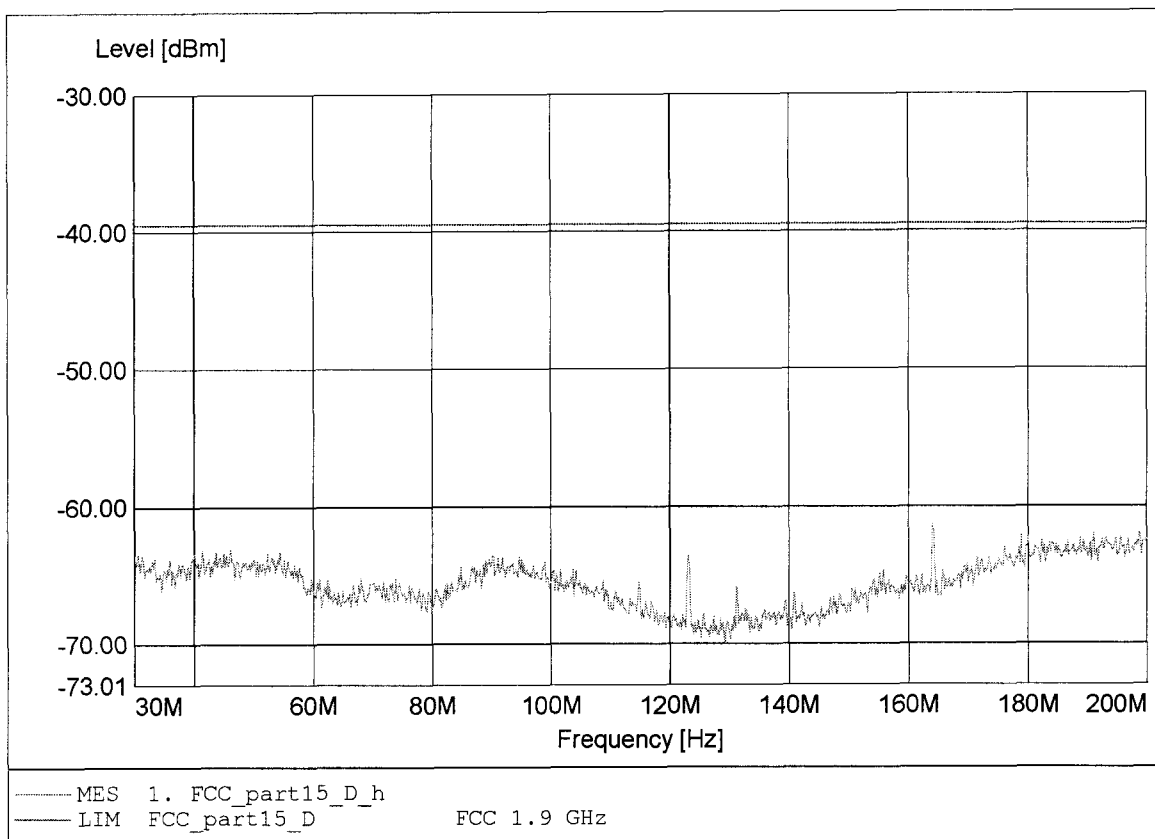
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:179.789MHz Pmax:-56.03dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

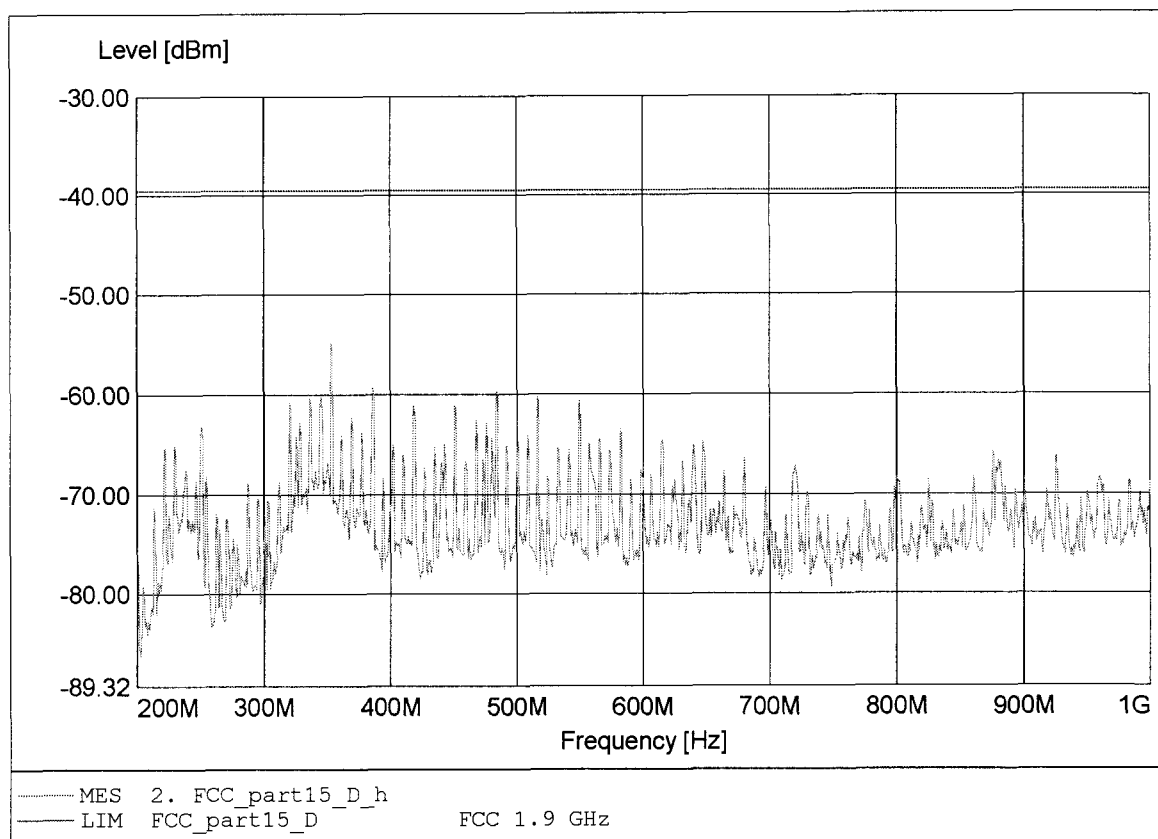
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:164.111MHz Pmax:-61.33dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

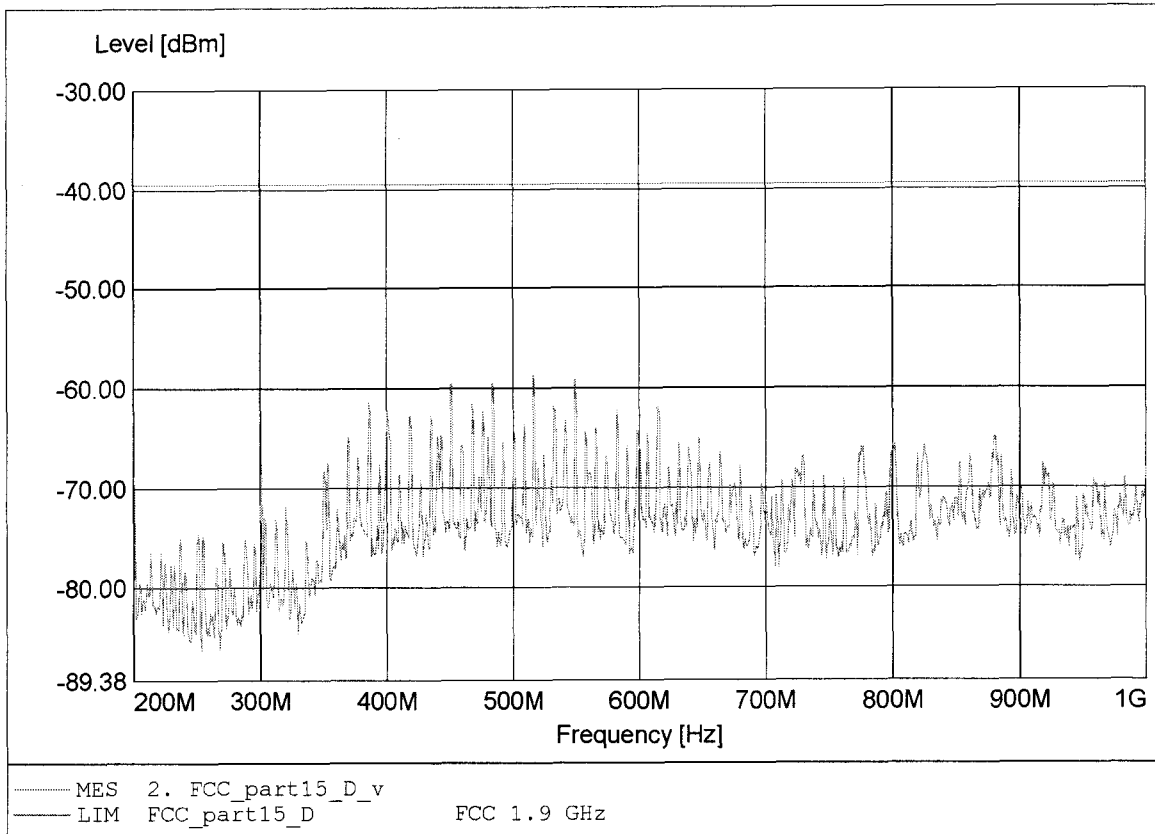
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:352.889MHz Pmax:-54.81dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

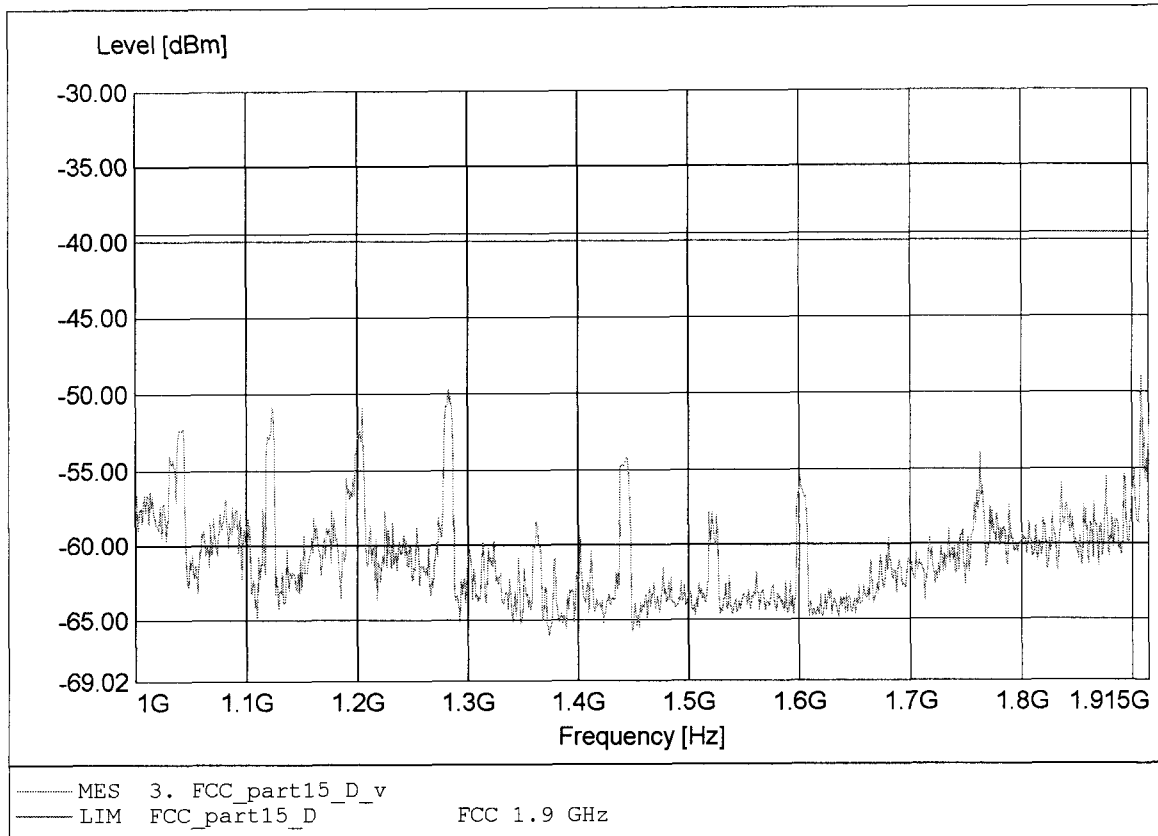
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 2
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:516.444MHz Pmax:-58.62dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

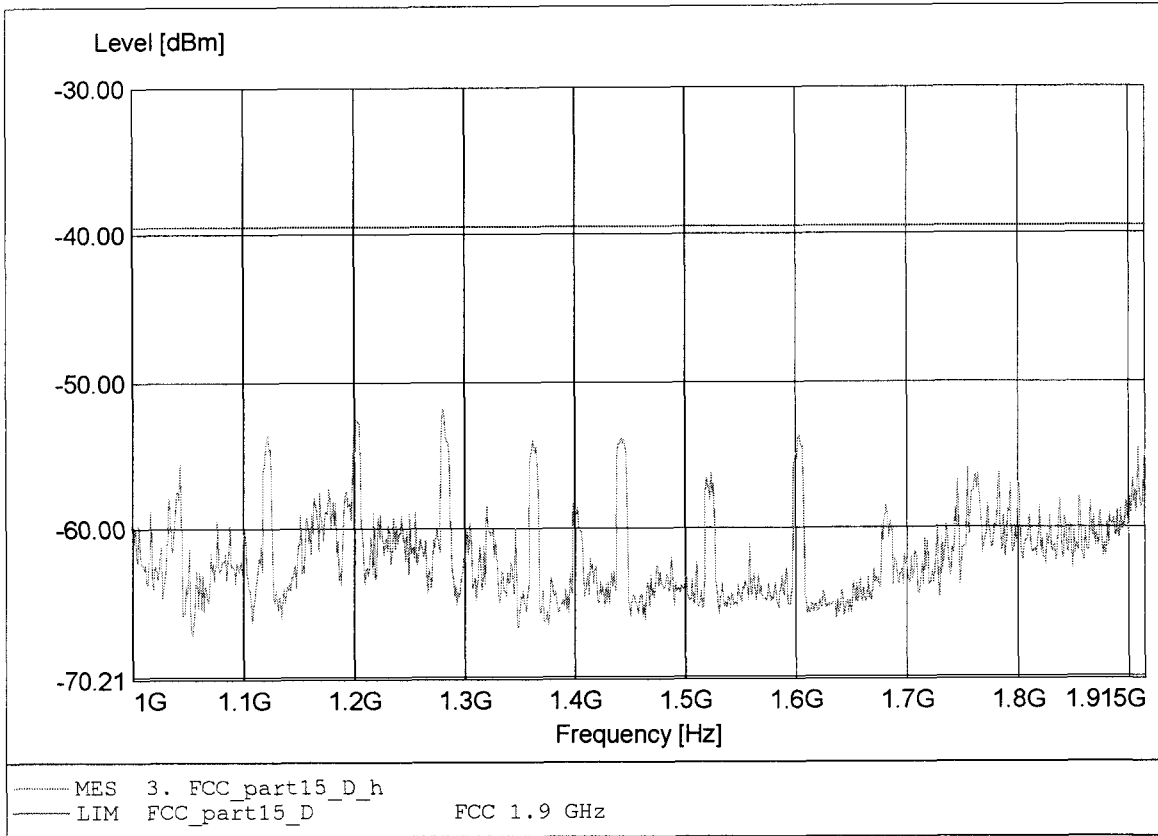
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.909GHz Pmax:-48.93dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

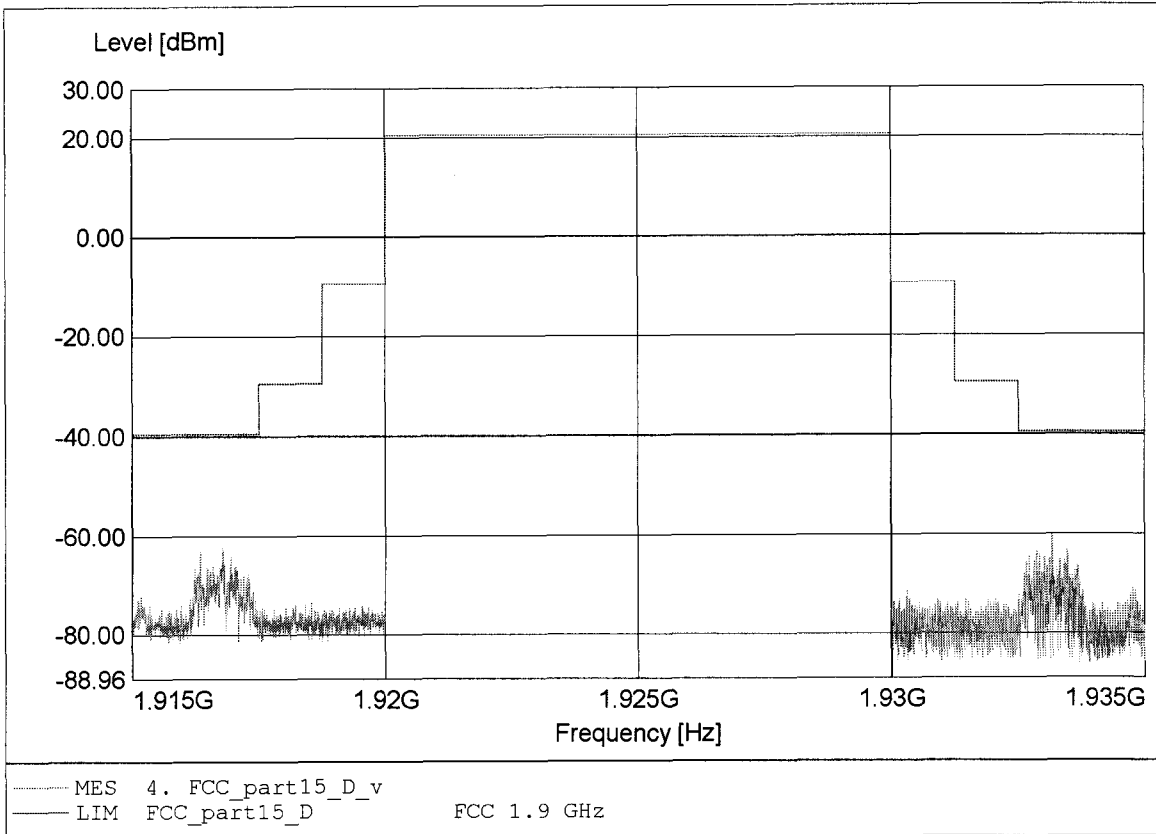
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.280GHz Pmax:-51.71dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

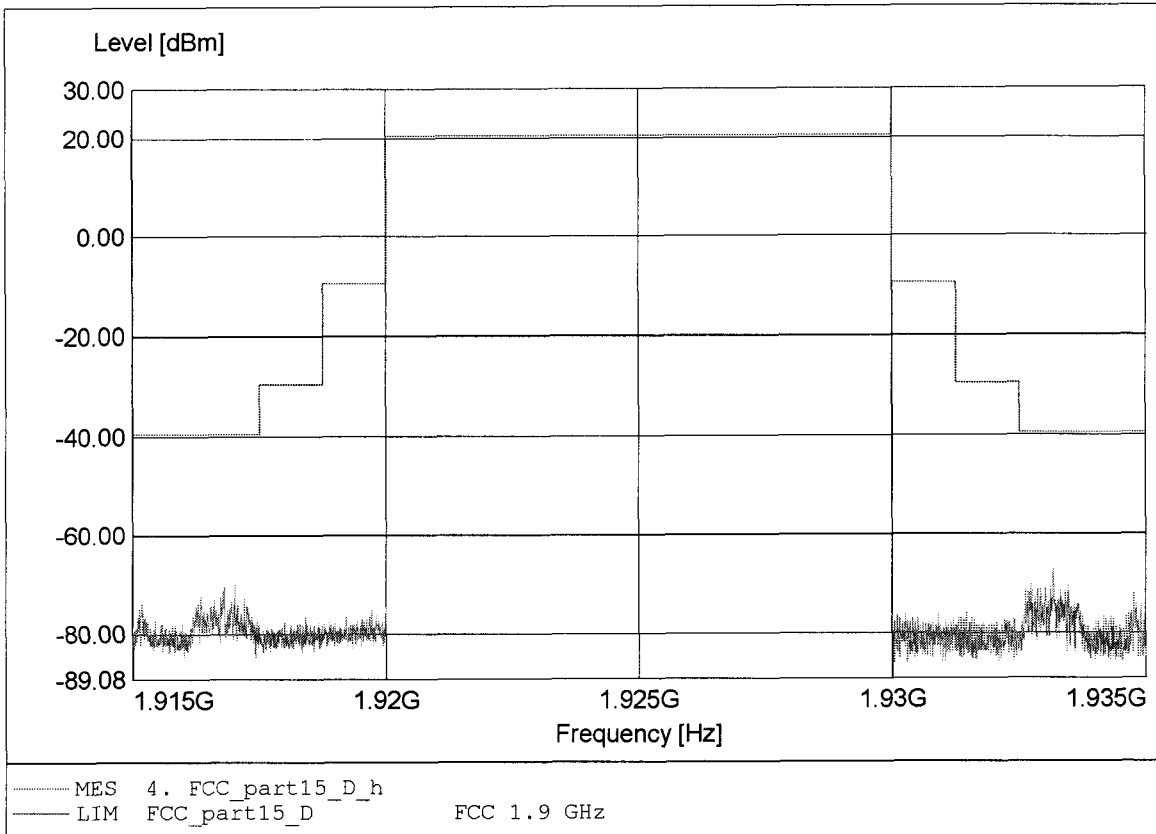
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.933GHz Pmax:-60.13dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

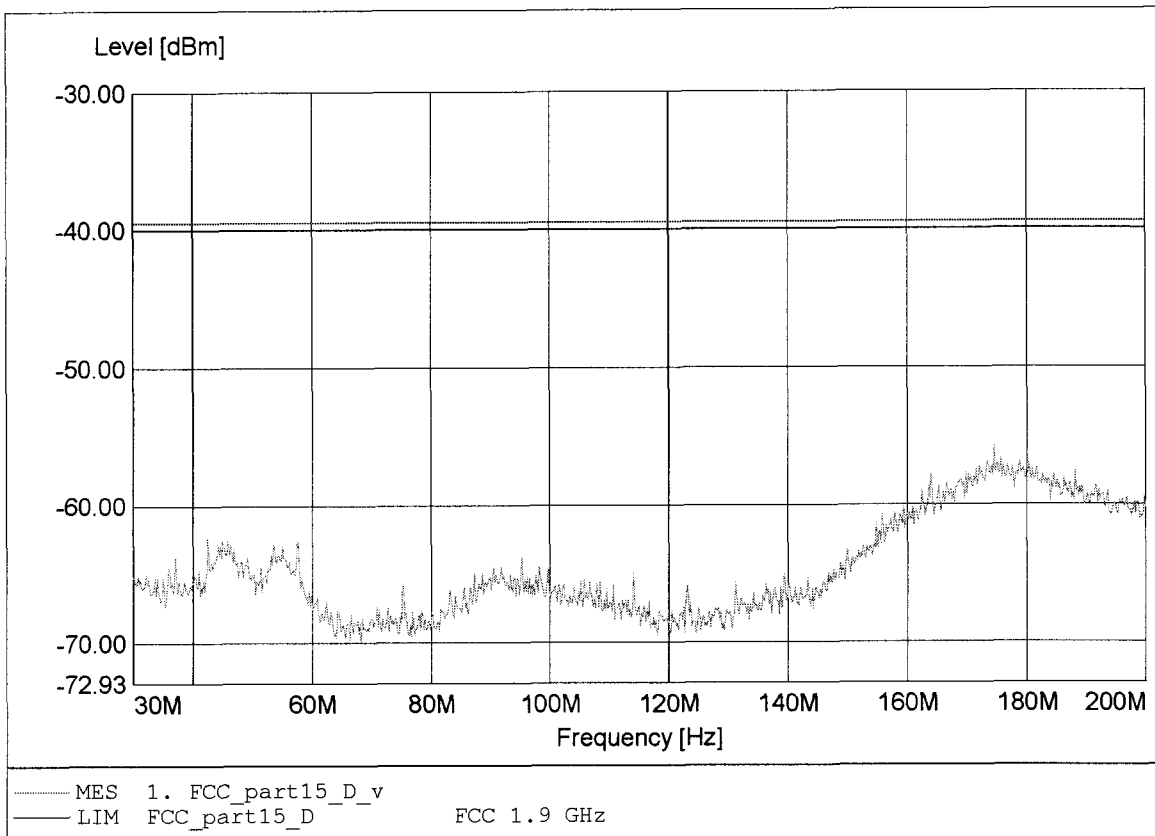
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.933GHz Pmax:-67.13dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

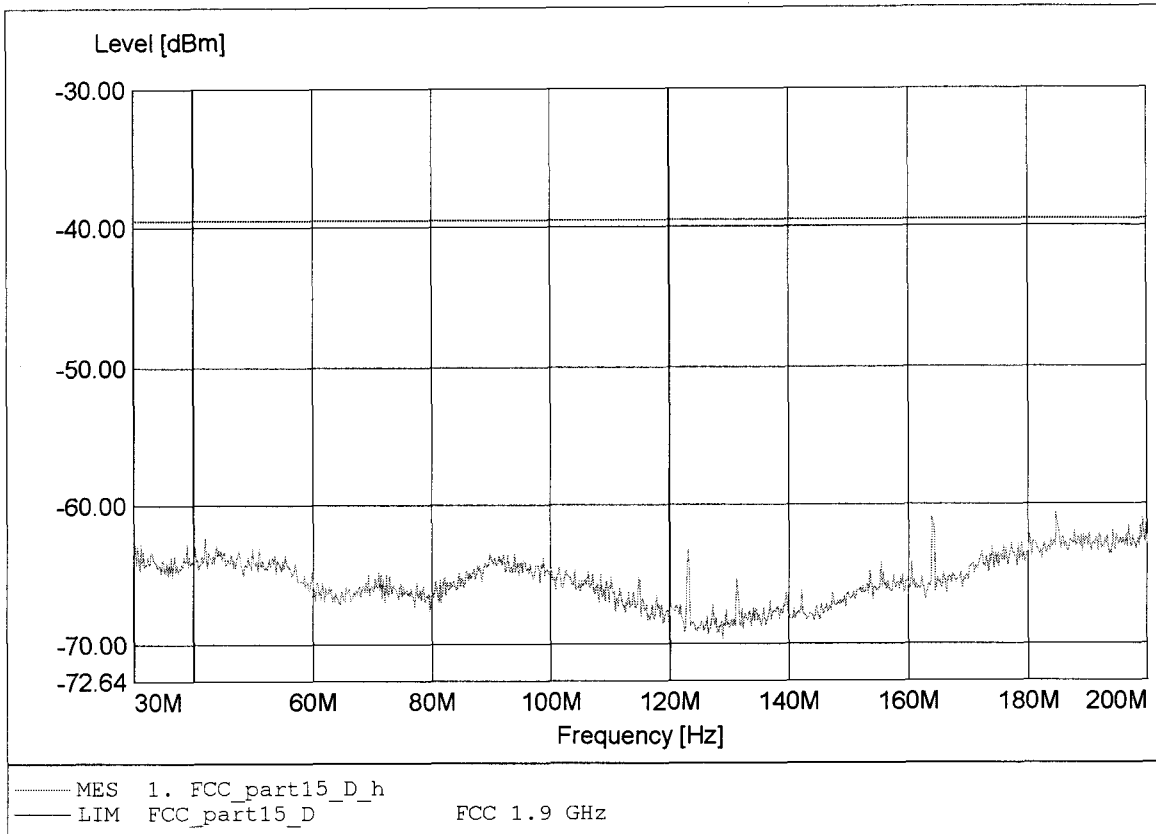
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:174.500MHz Pmax:-55.69dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

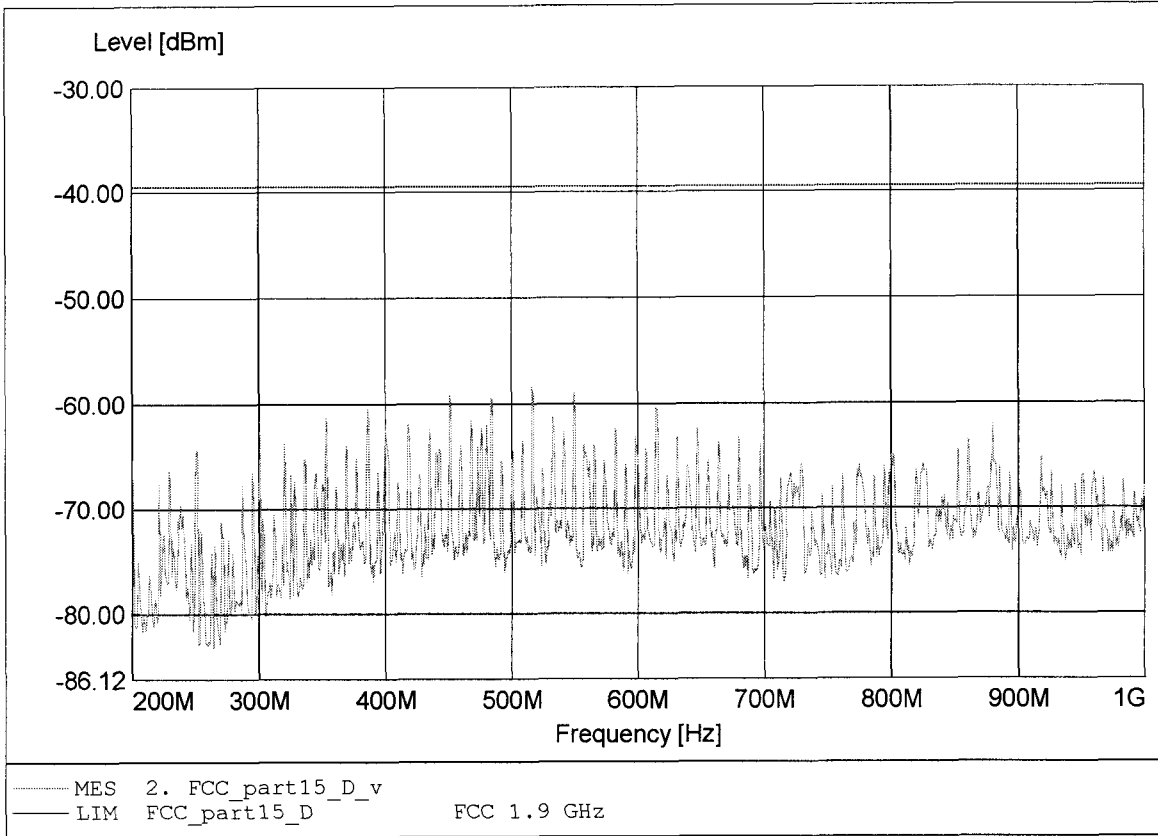
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:184.700MHz Pmax:-60.57dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

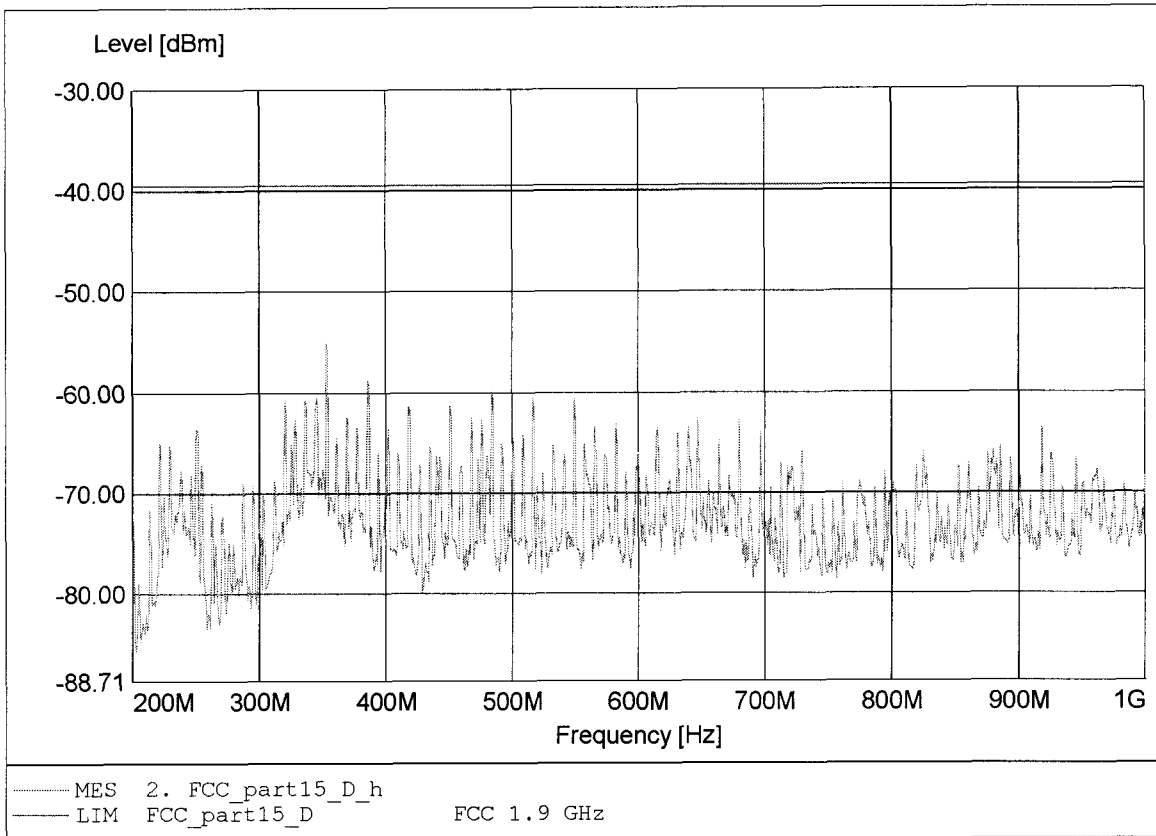
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:516.444MHz Pmax:-58.44dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

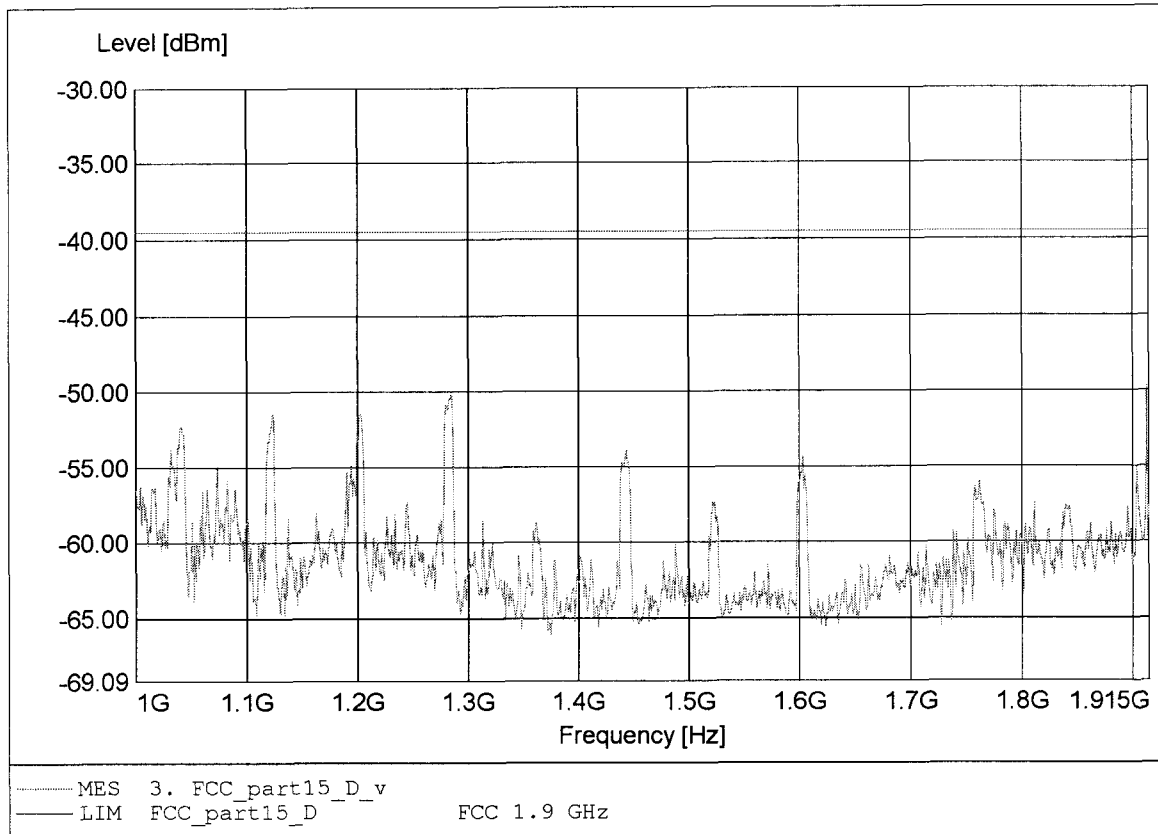
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:352.889MHz Pmax:-55.04dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

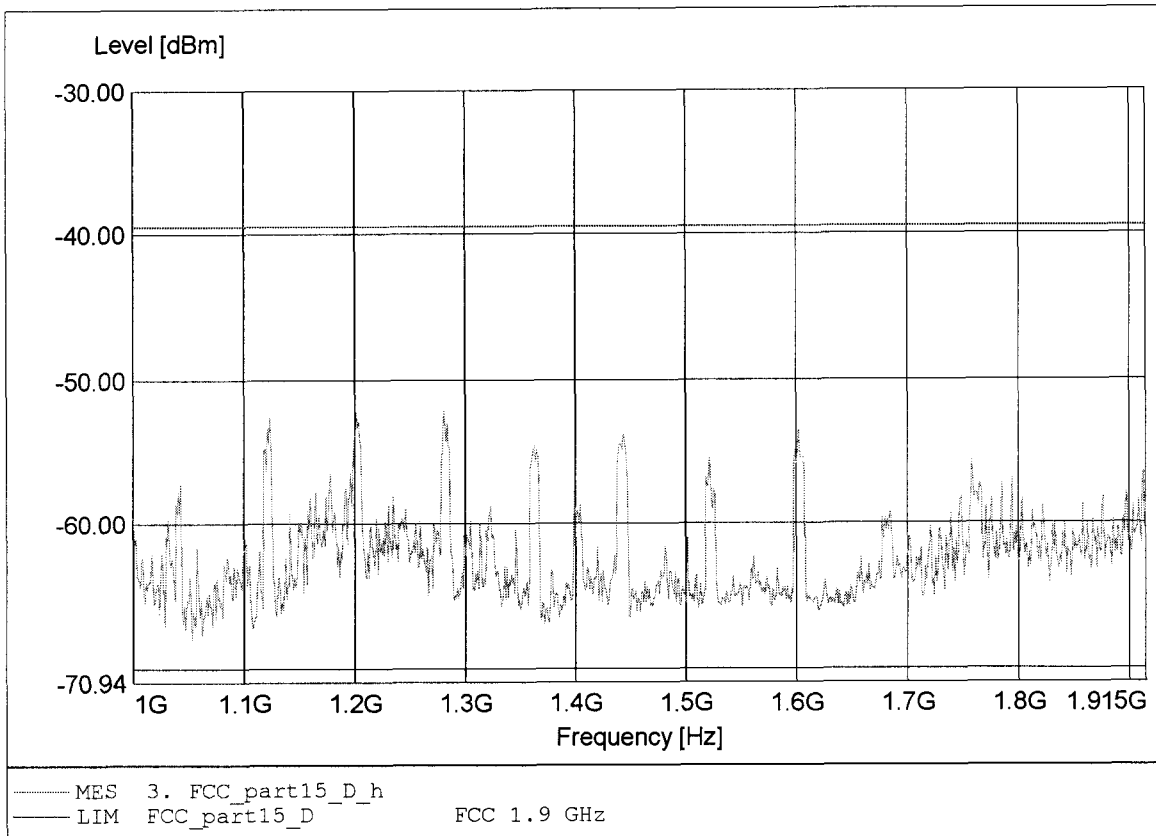
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.913GHz Pmax:-49.73dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

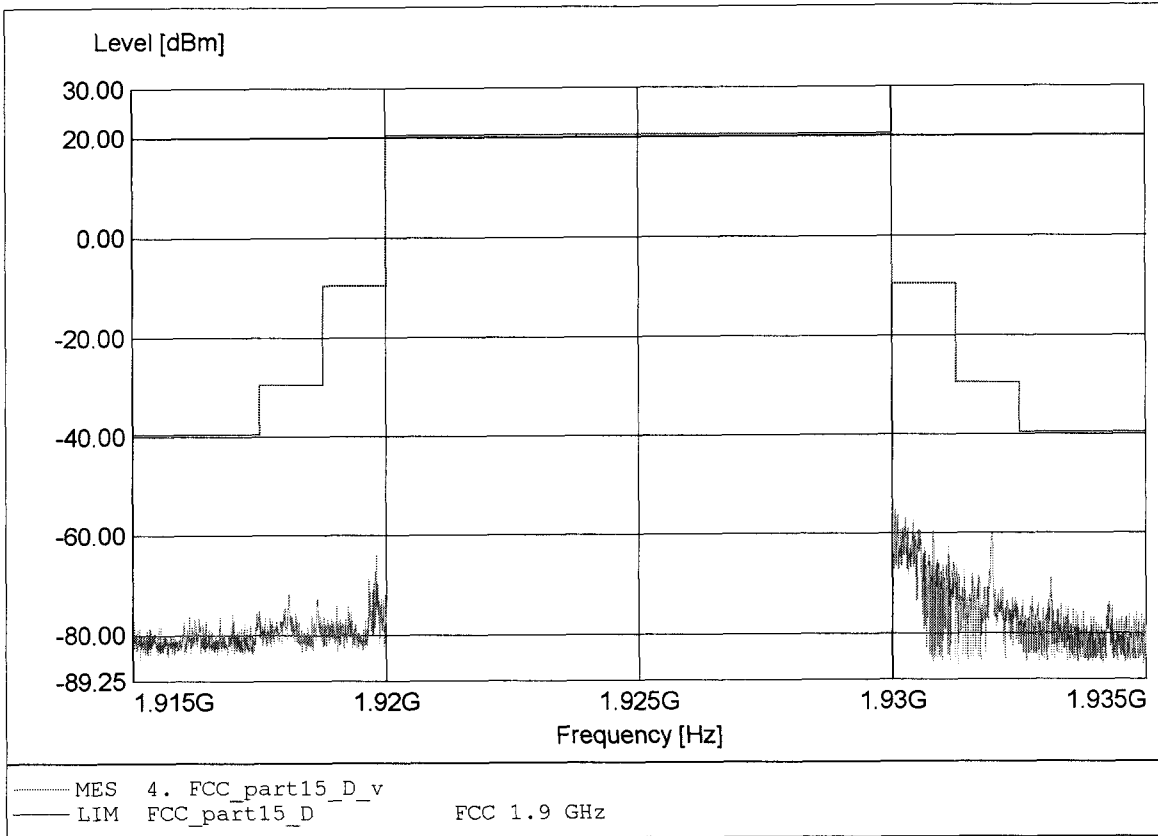
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.281GHz Pmax:-52.09dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

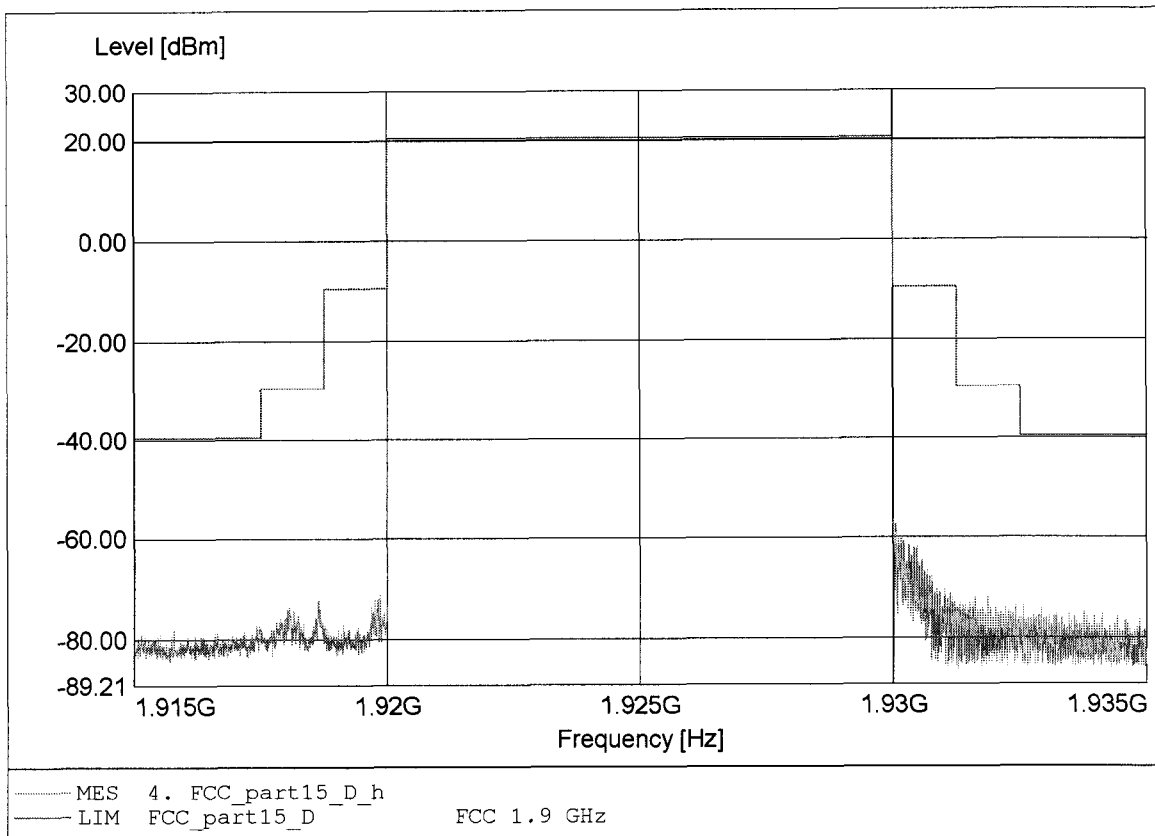
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.930GHz Pmax:-55.32dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

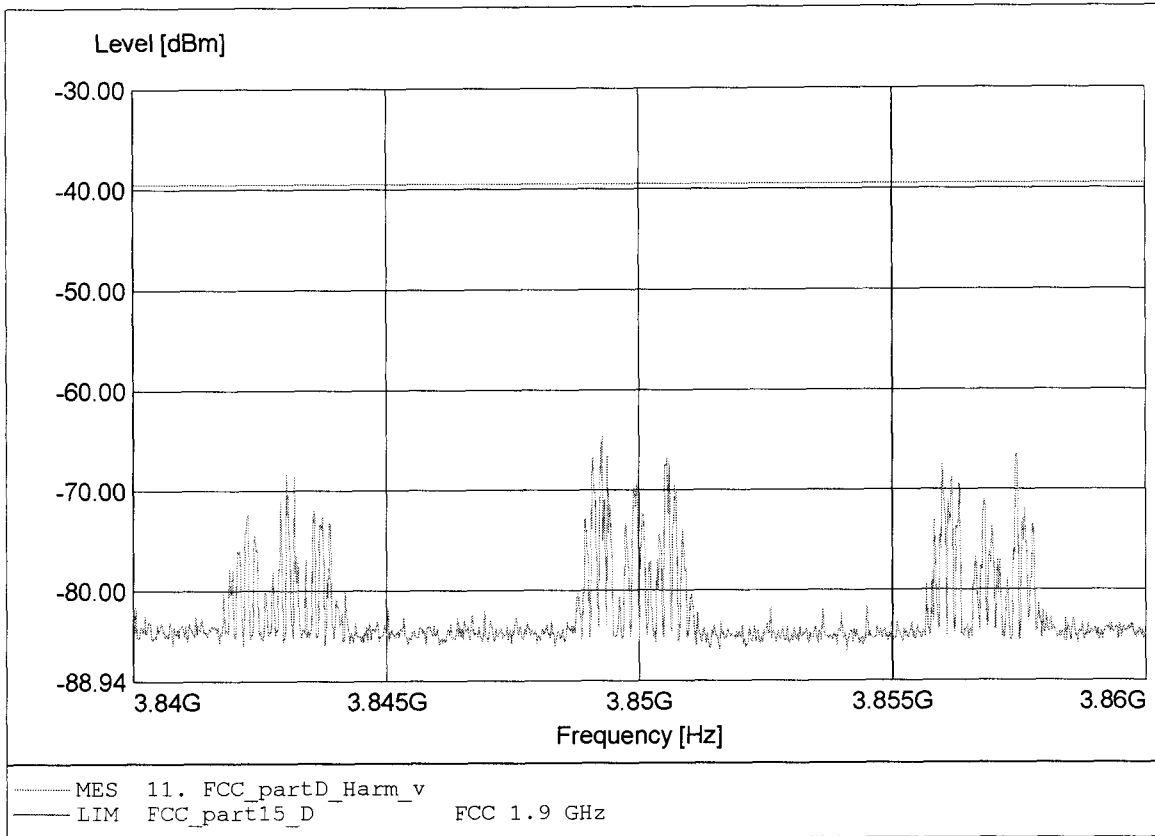
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.930GHz Pmax:-56.52dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

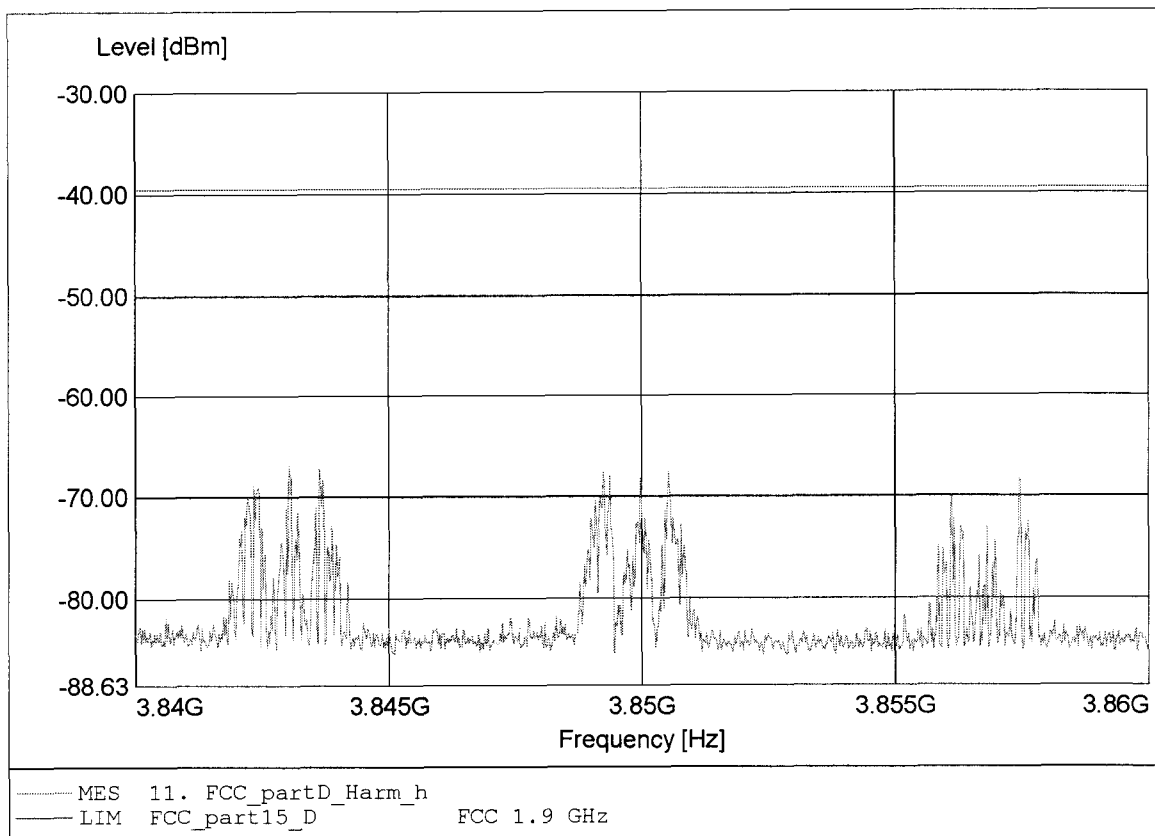
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.849GHz Pmax:-64.65dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

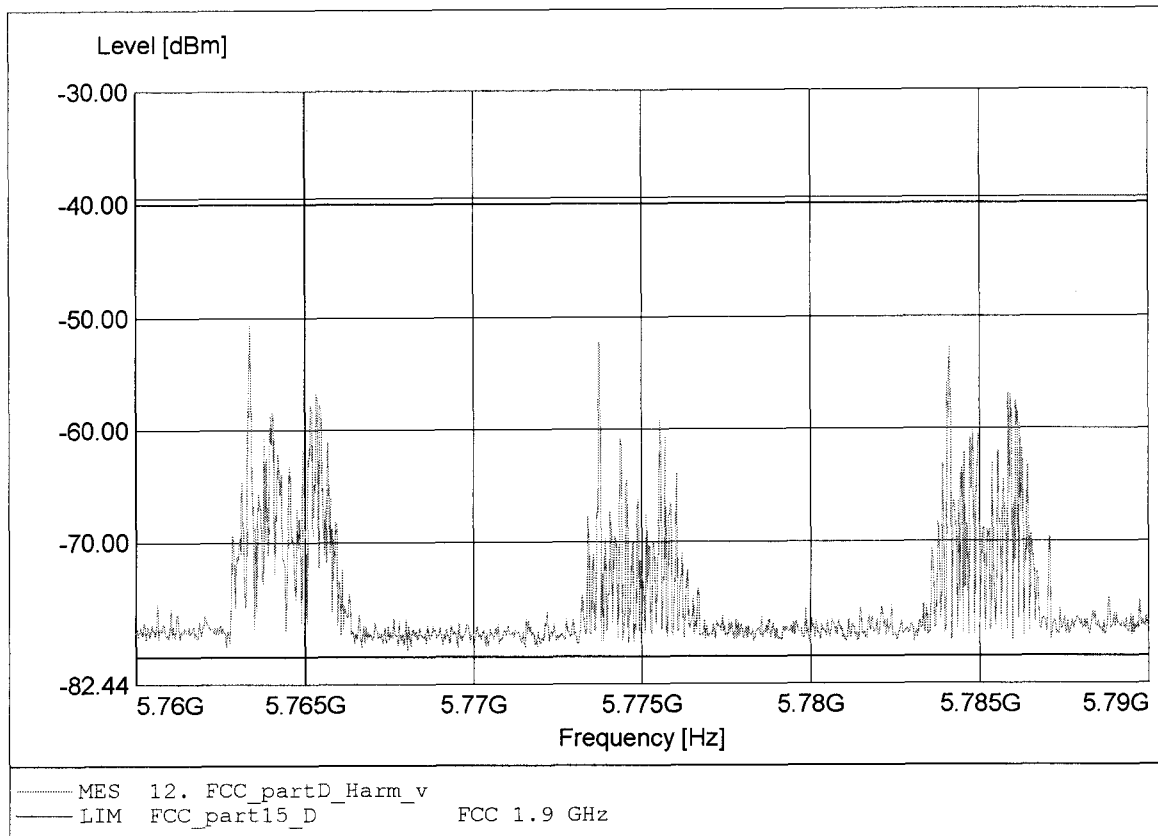
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.843GHz Pmax:-66.90dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

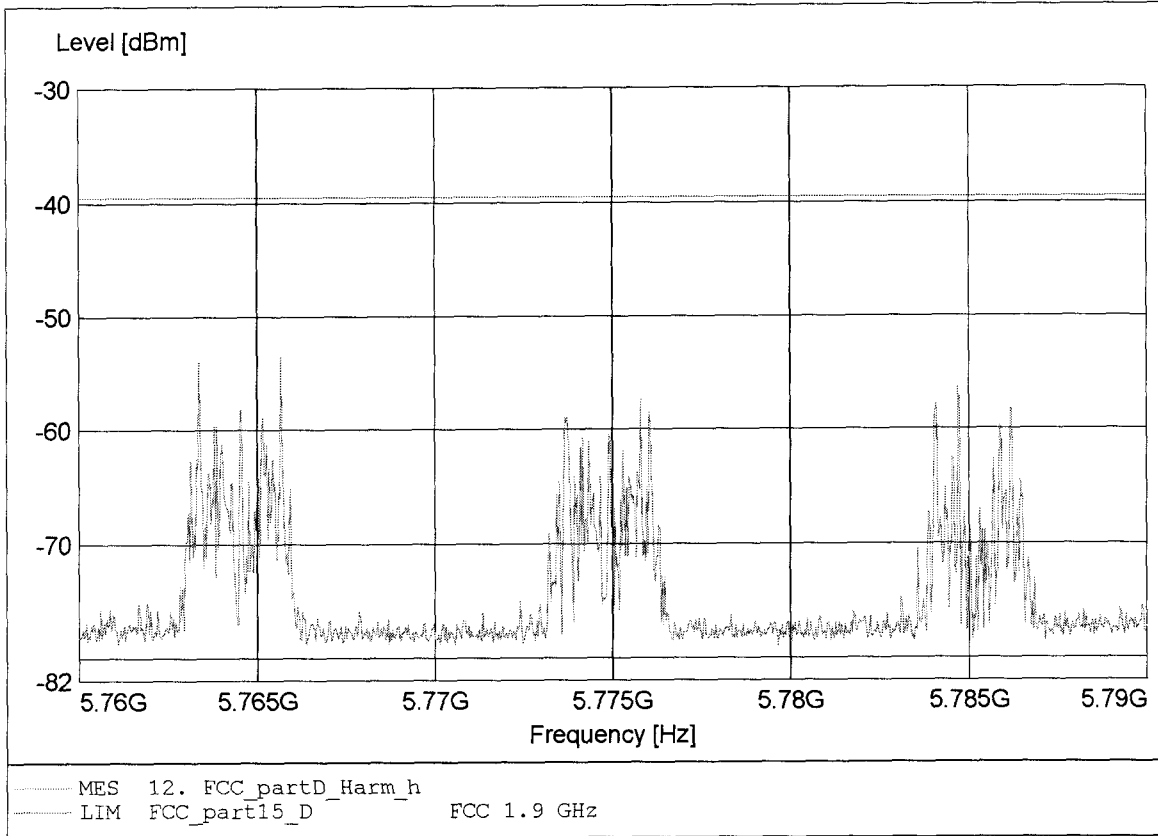
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.763GHz Pmax:-50.6dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

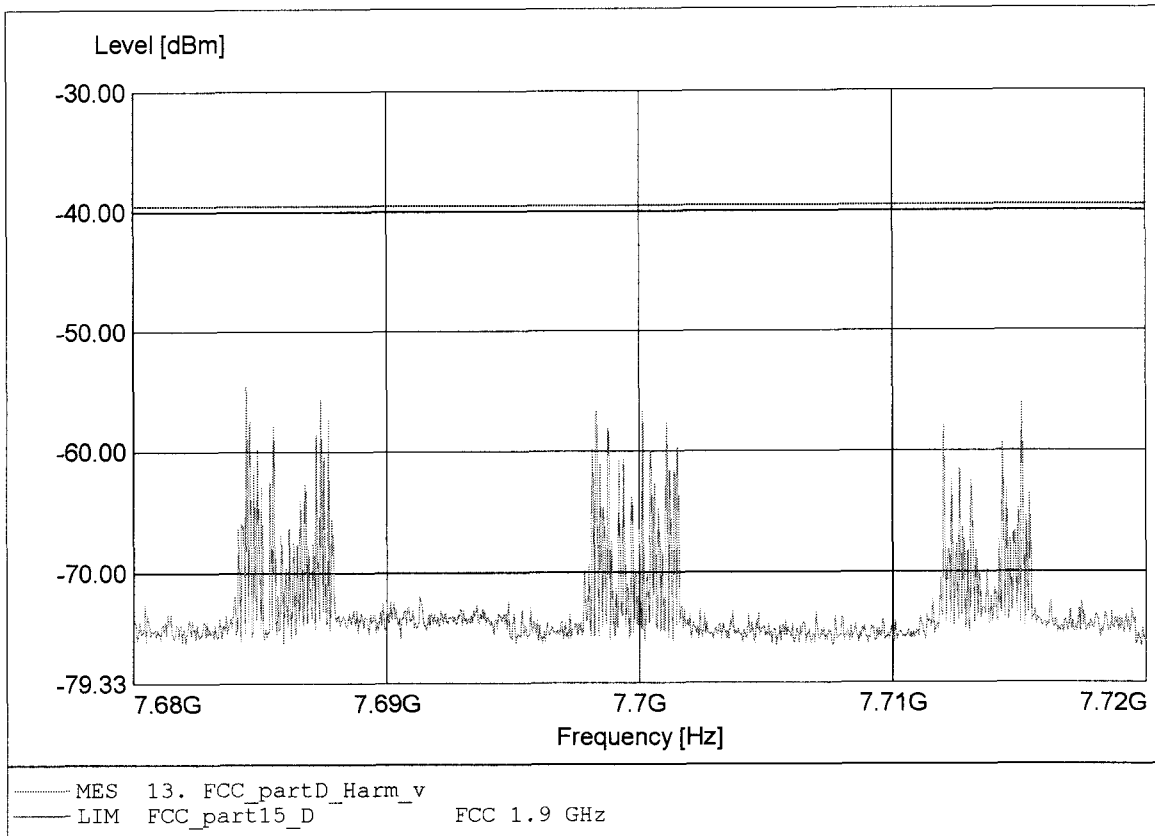
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.766GHz Pmax:-53.44dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

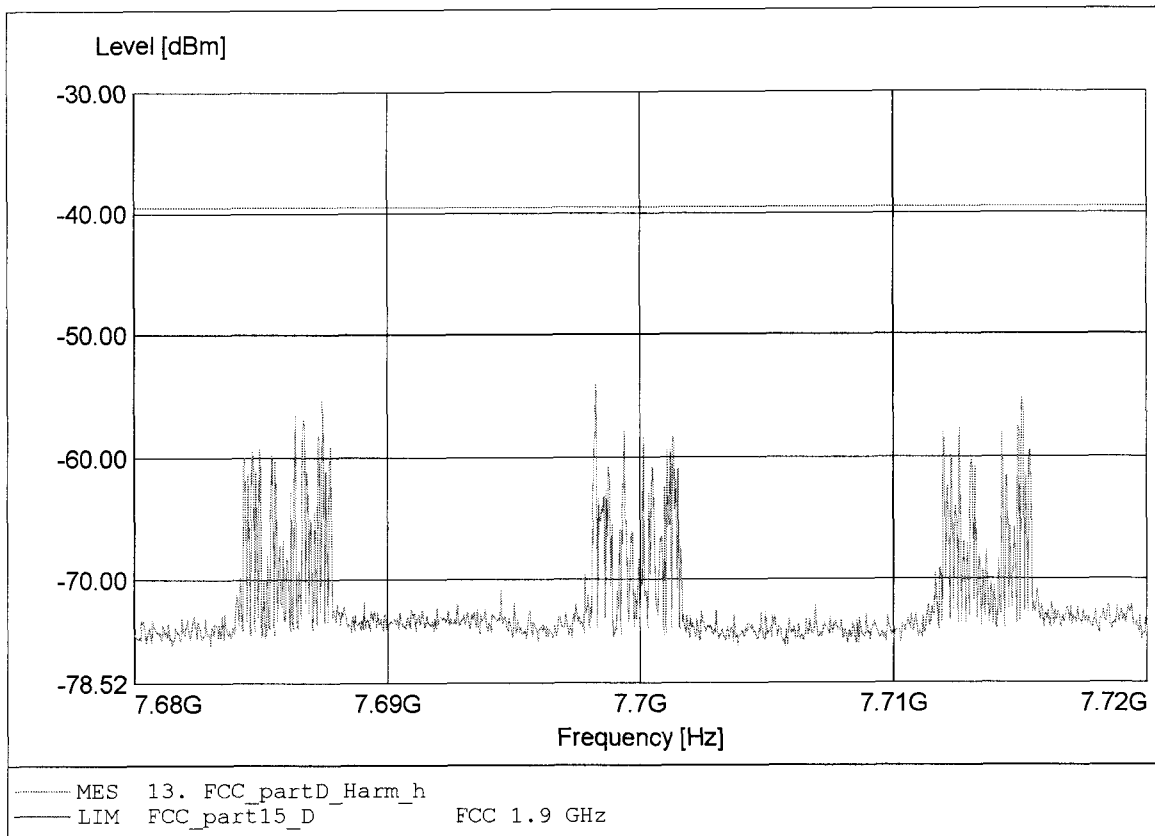
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.684GHz Pmax:-54.6dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

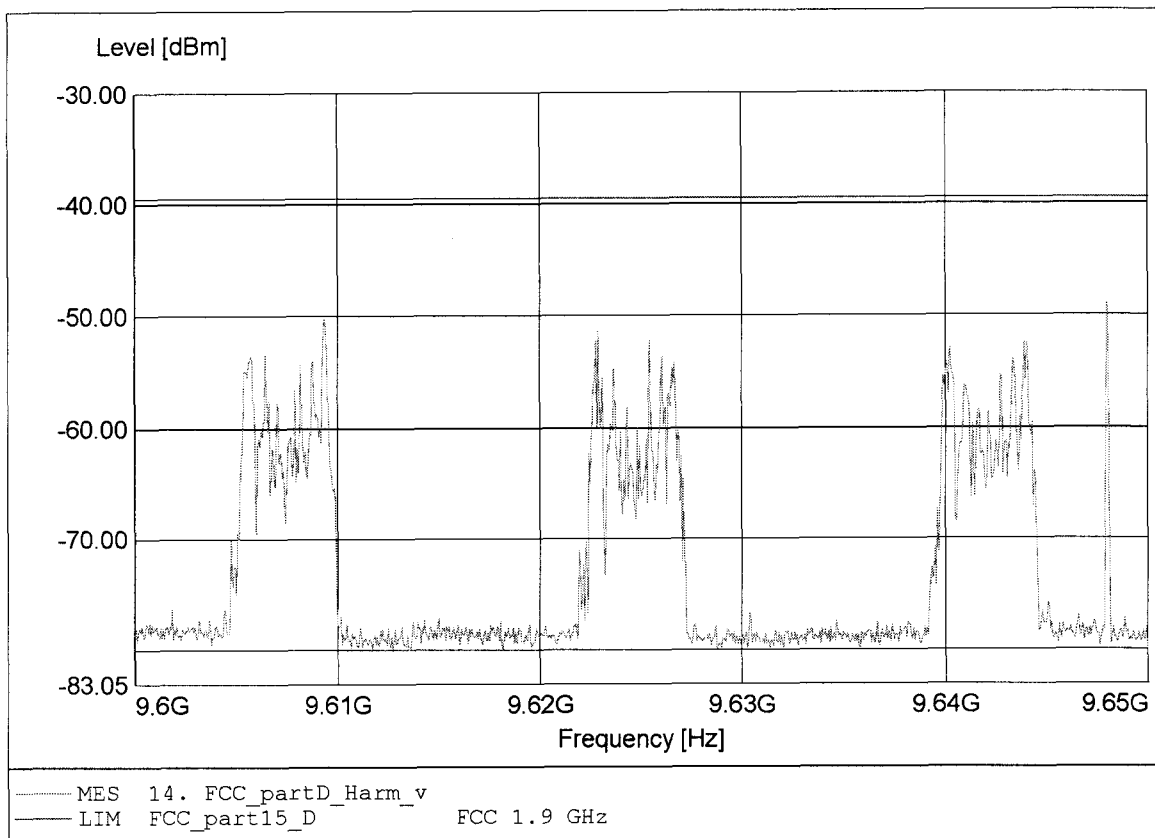
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.698GHz Pmax:-54.11dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

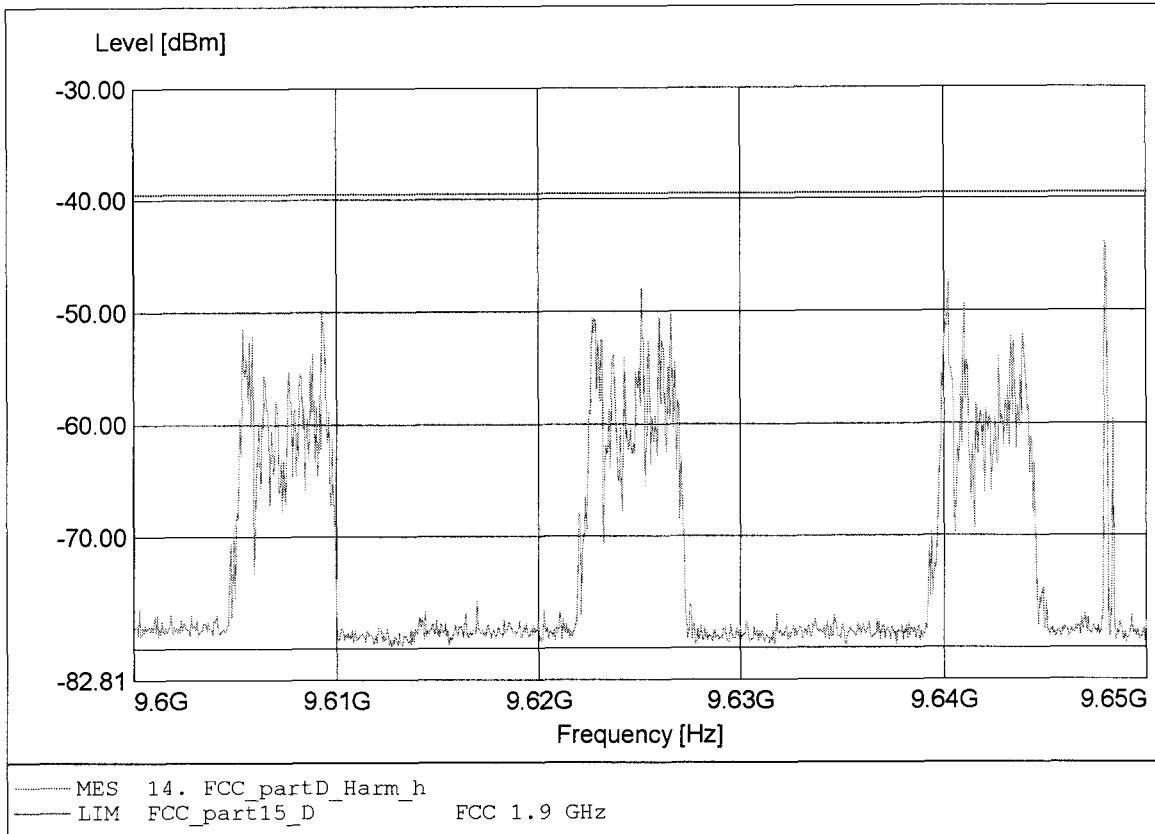
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.648GHz Pmax:-48.91dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

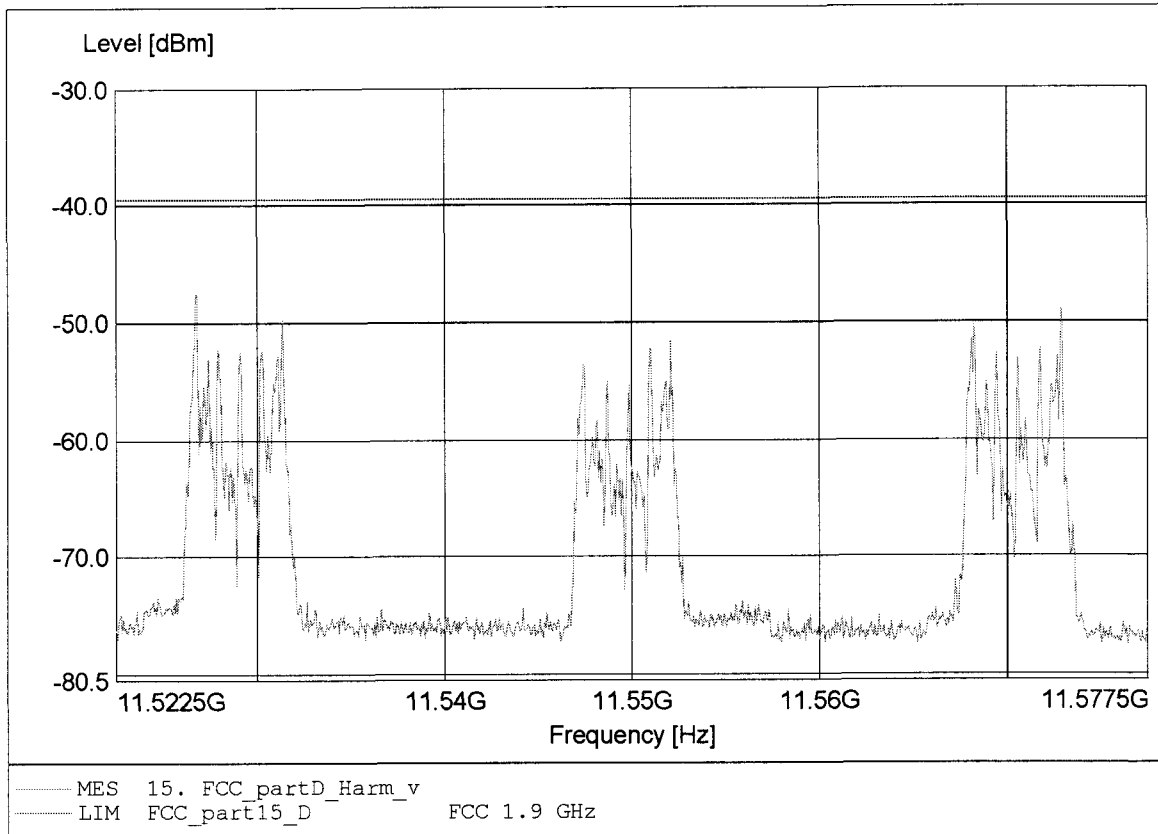
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.648GHz Pmax:-44.00dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.527GHz Pmax:-47.52dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.568GHz Pmax:-43.51dBm RBW:10 kHz

