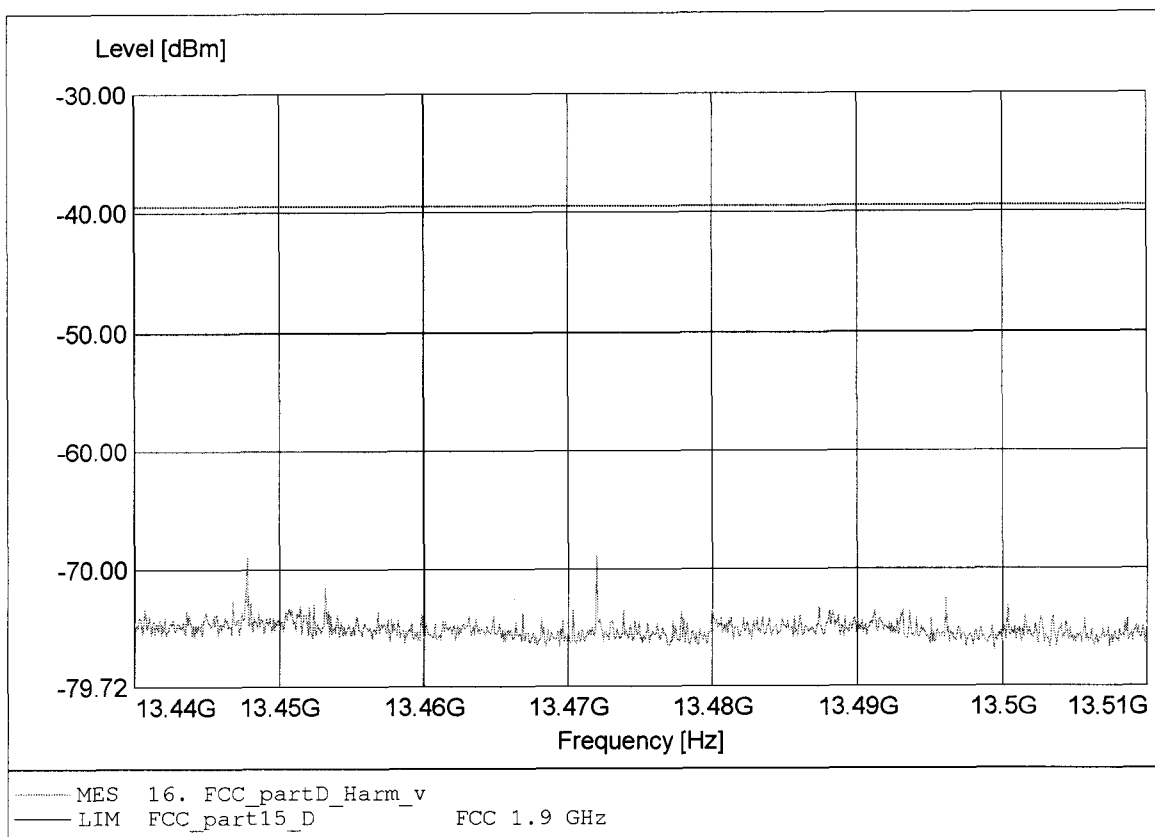


Spurious emissions under normal conditions

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

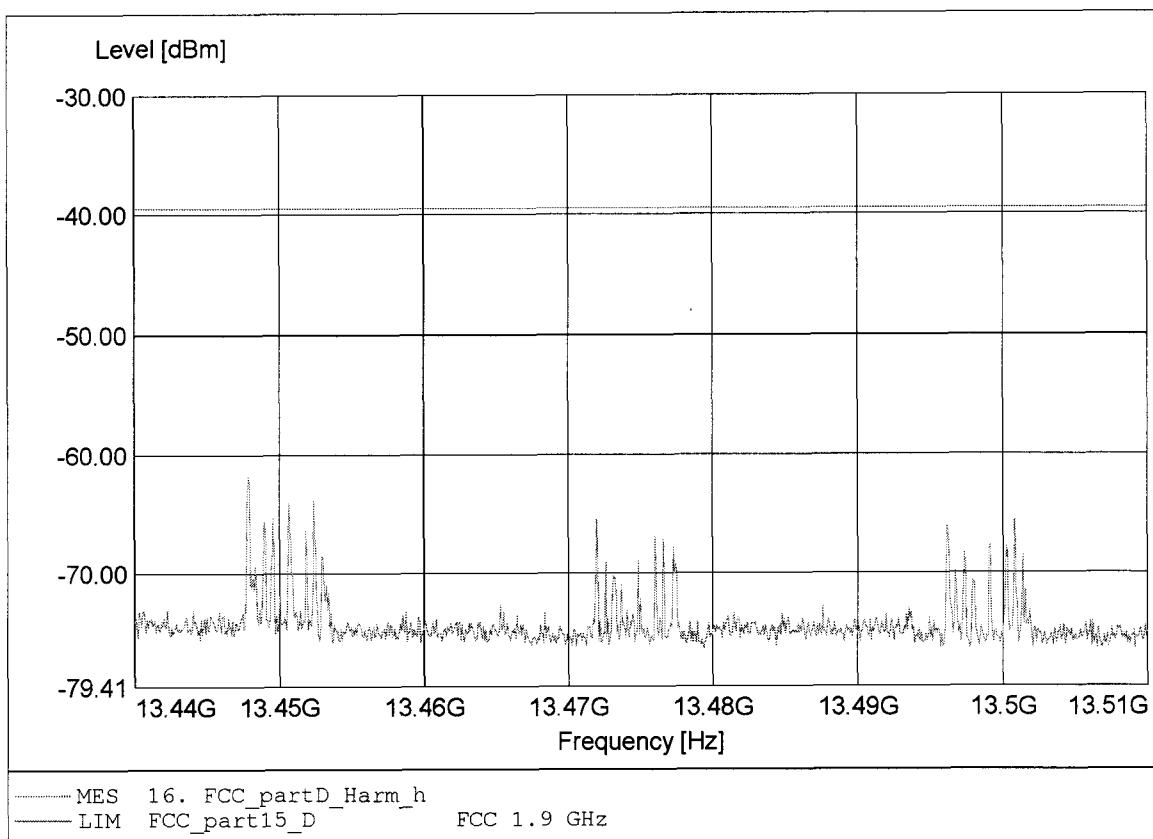
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq: 13.472GHz Pmax:-68.92dBm RBW:10 kHz



Spurious emissions under normal conditions

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

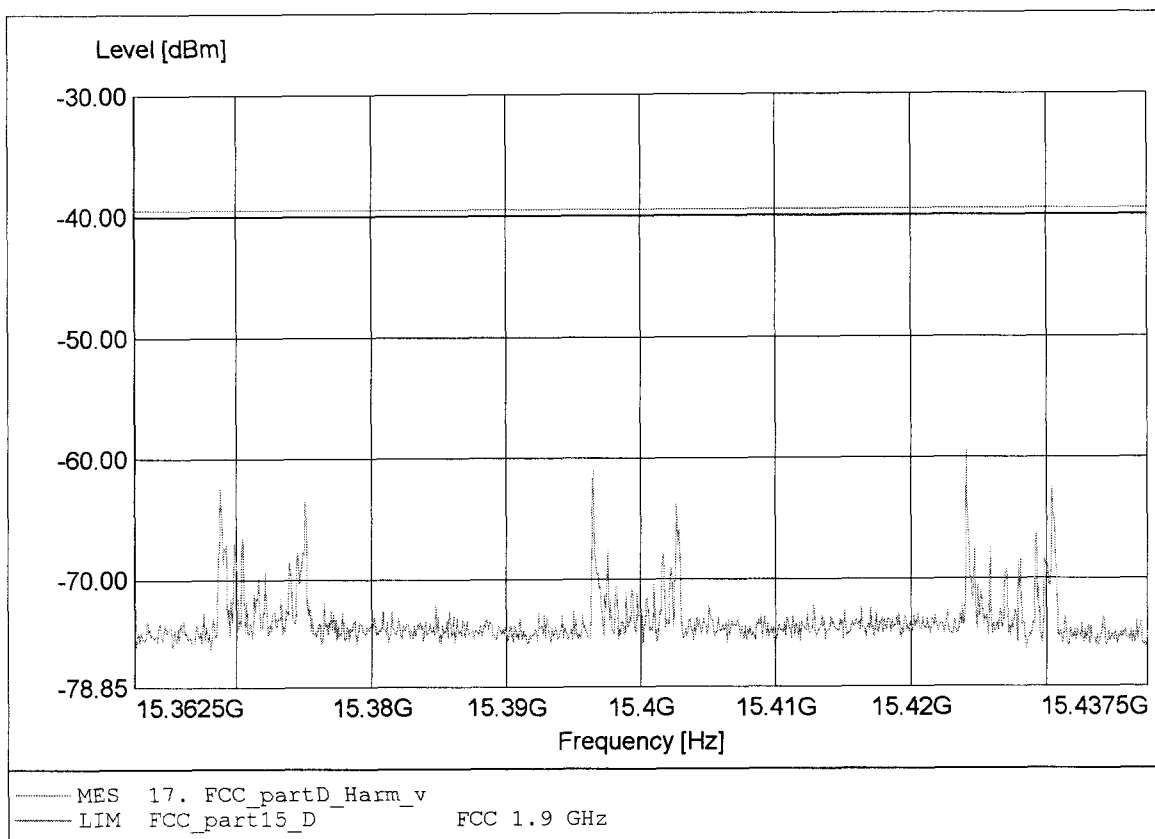
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.448GHz Pmax:-61.84dBm RBW:10 kHz



Spurious emissions under normal conditions

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

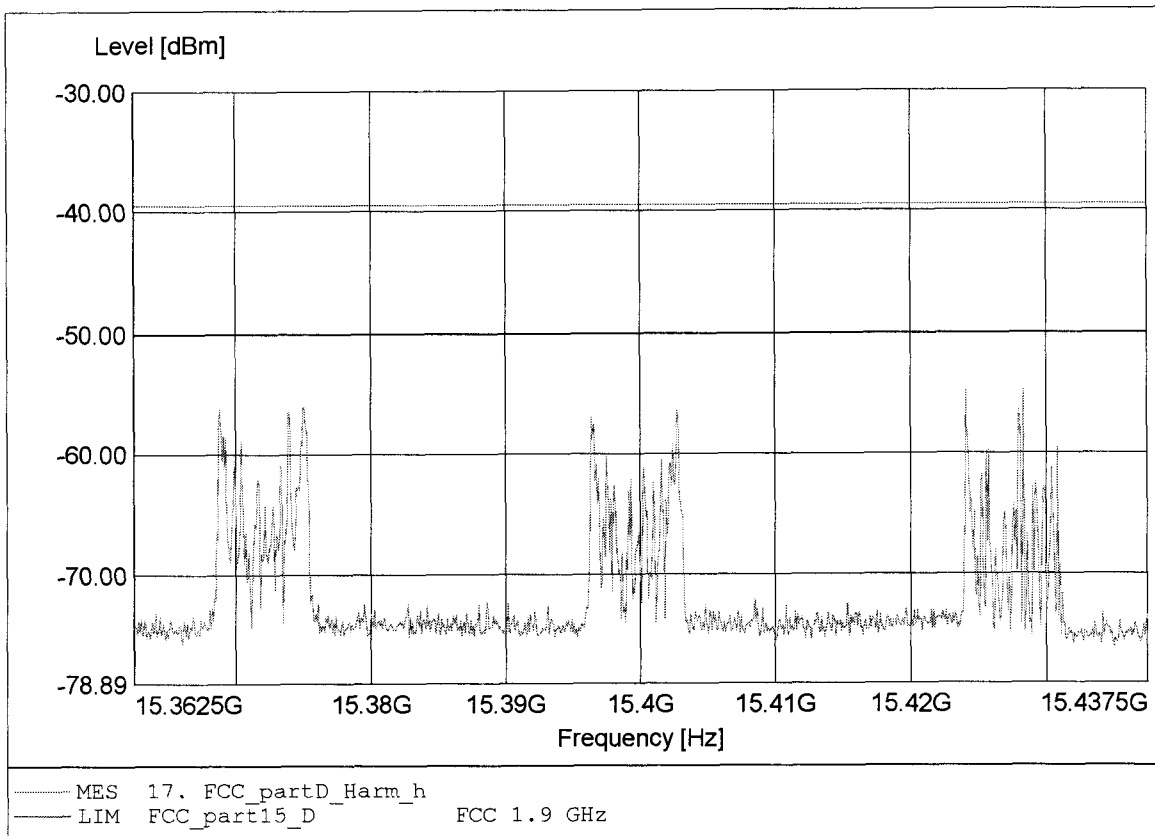
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq: 15.424GHz Pmax:-59.45dBm RBW:10 kHz



Spurious emissions under normal conditions

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

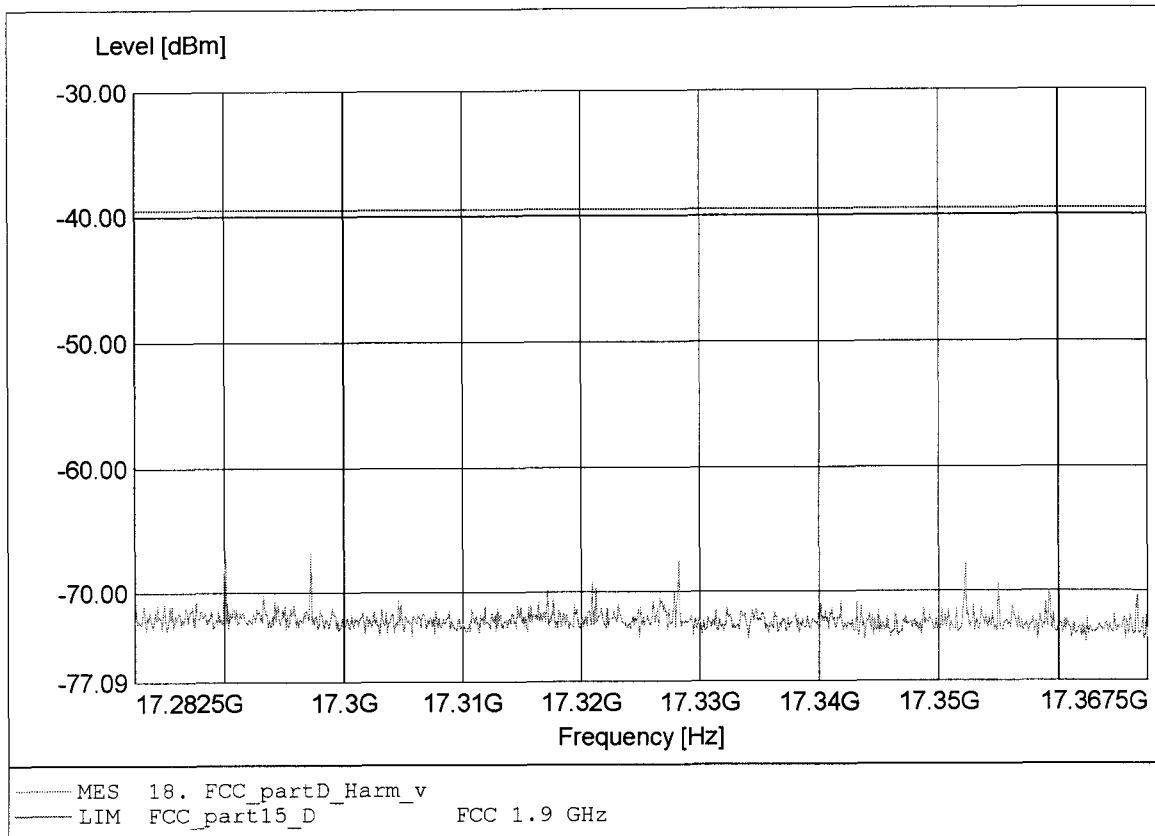
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.428GHz Pmax:-54.73dBm RBW:10 kHz



Spurious emissions under normal conditions

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

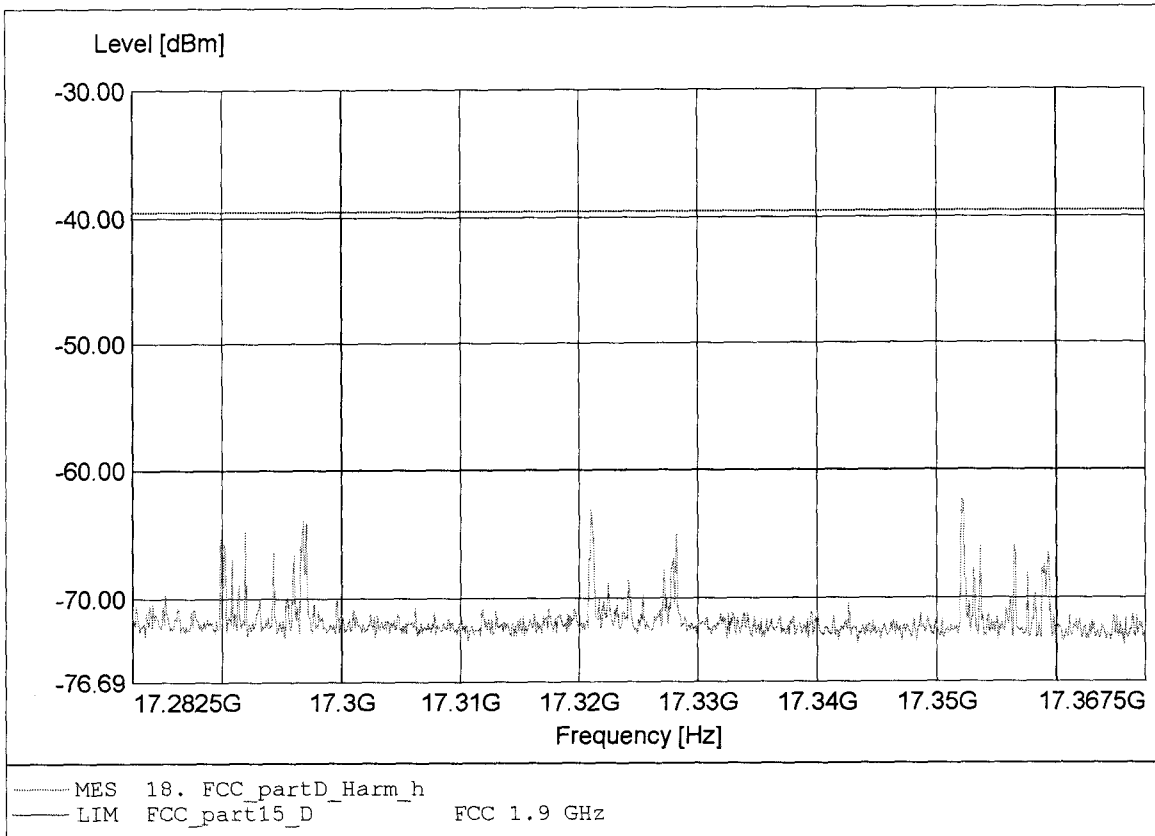
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.297GHz Pmax:-66.80dBm RBW:10 kHz



Spurious emissions under normal conditions

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

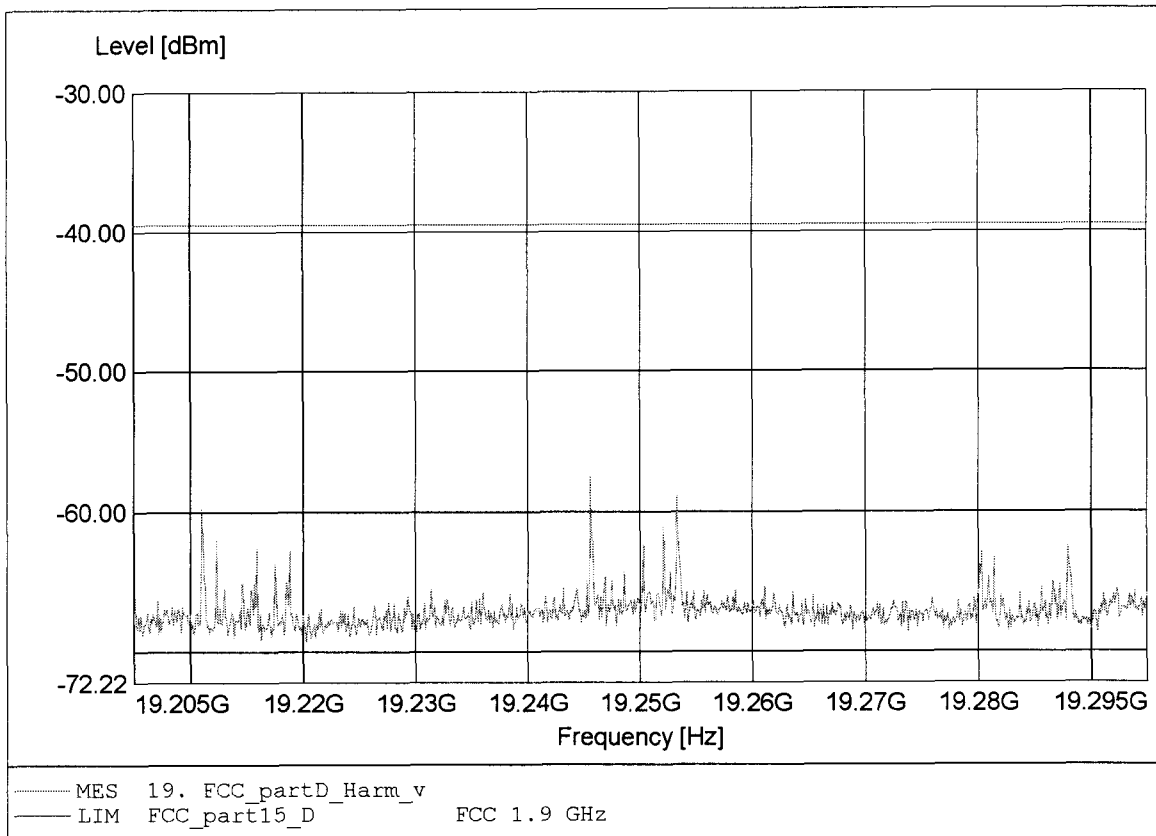
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.352GHz Pmax:-62.33dBm RBW:10 kHz



Spurious emissions under normal conditions

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

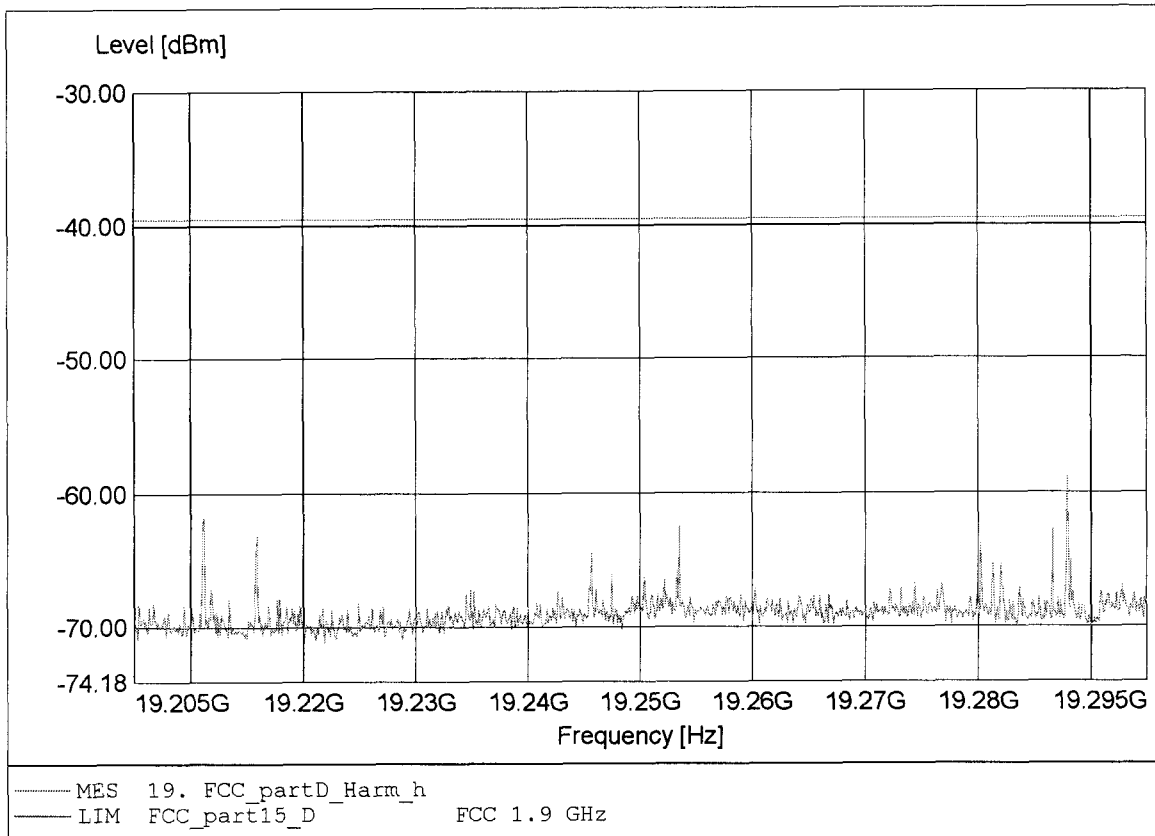
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq: 19.246GHz Pmax: -57.52dBm RBW: 10 kHz



Spurious emissions under normal conditions

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

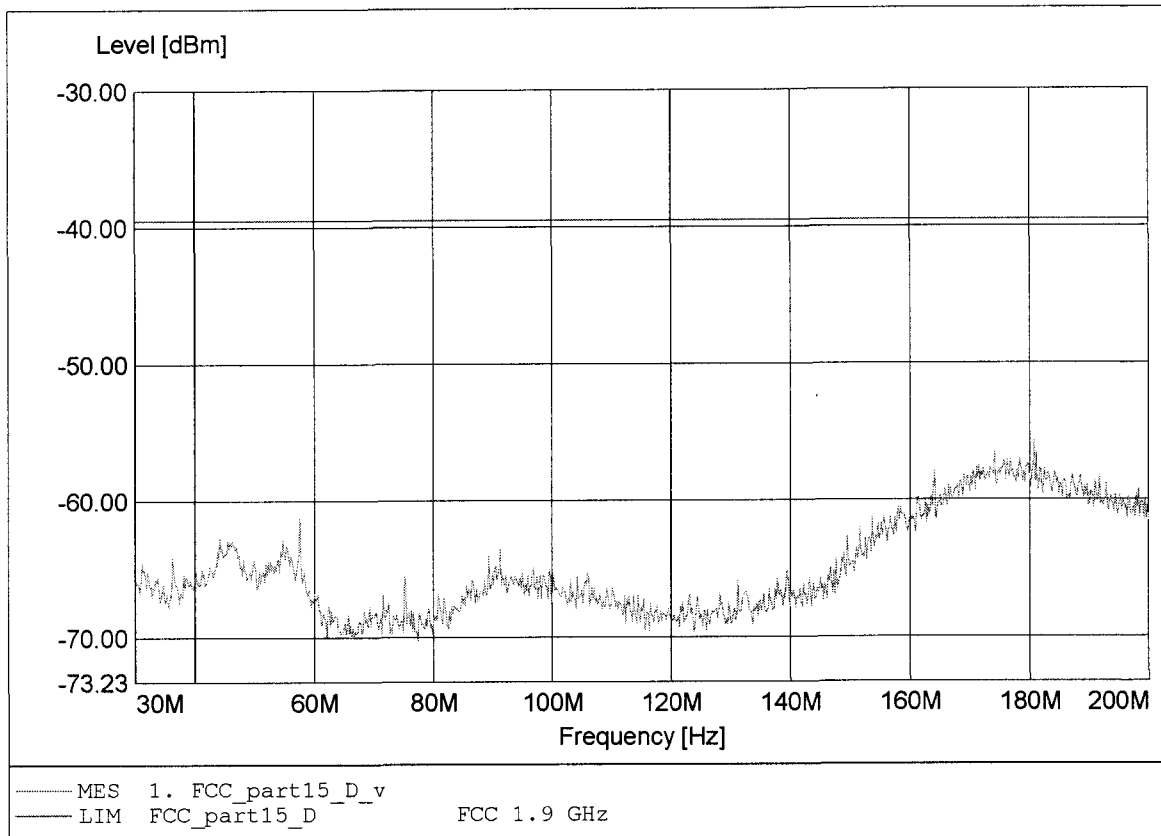
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 1 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:19.288GHz Pmax:-58.76dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

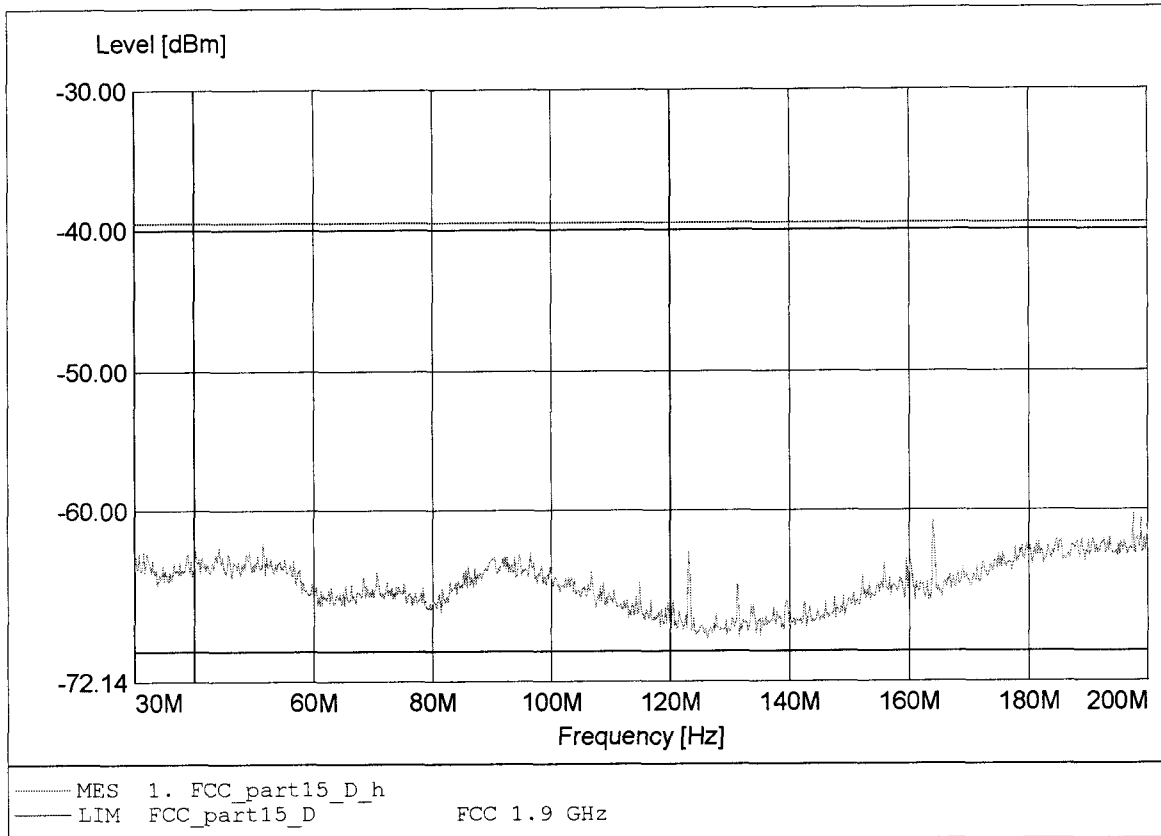
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:180.733MHz Pmax:-55.61dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

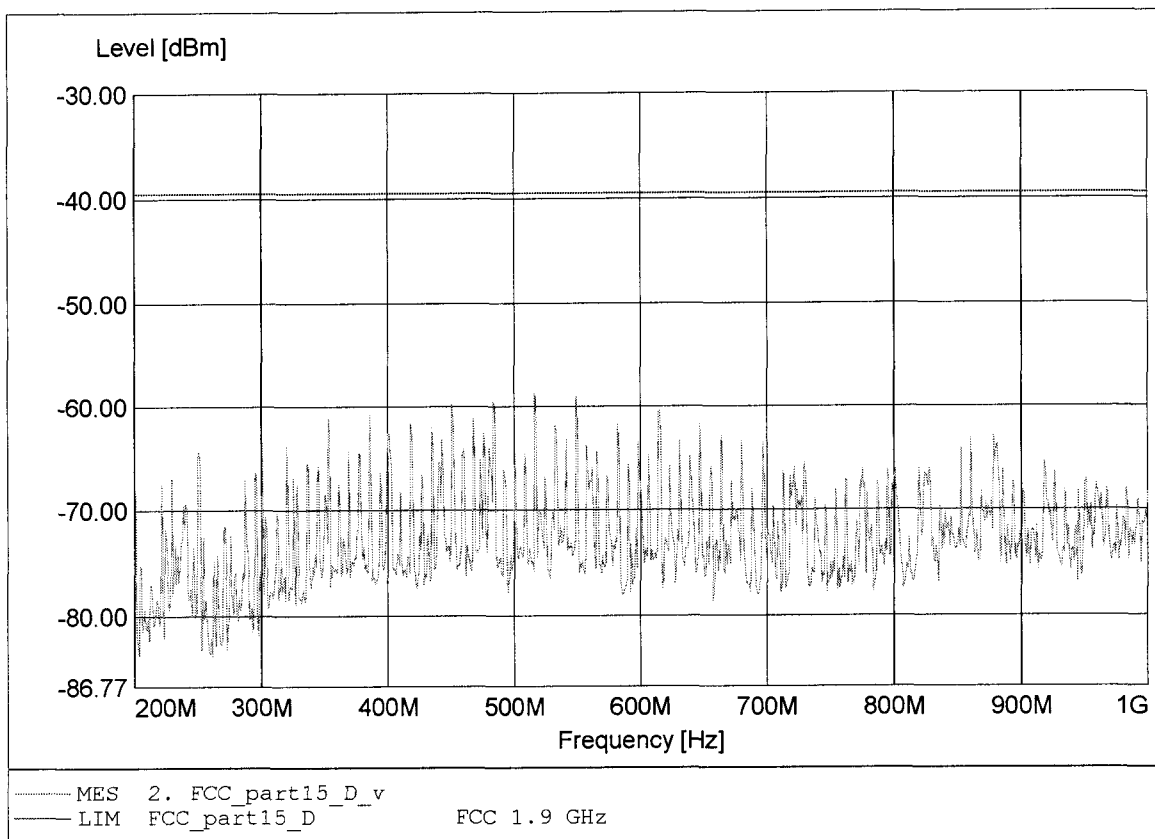
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:197.544MHz Pmax:-60.34dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

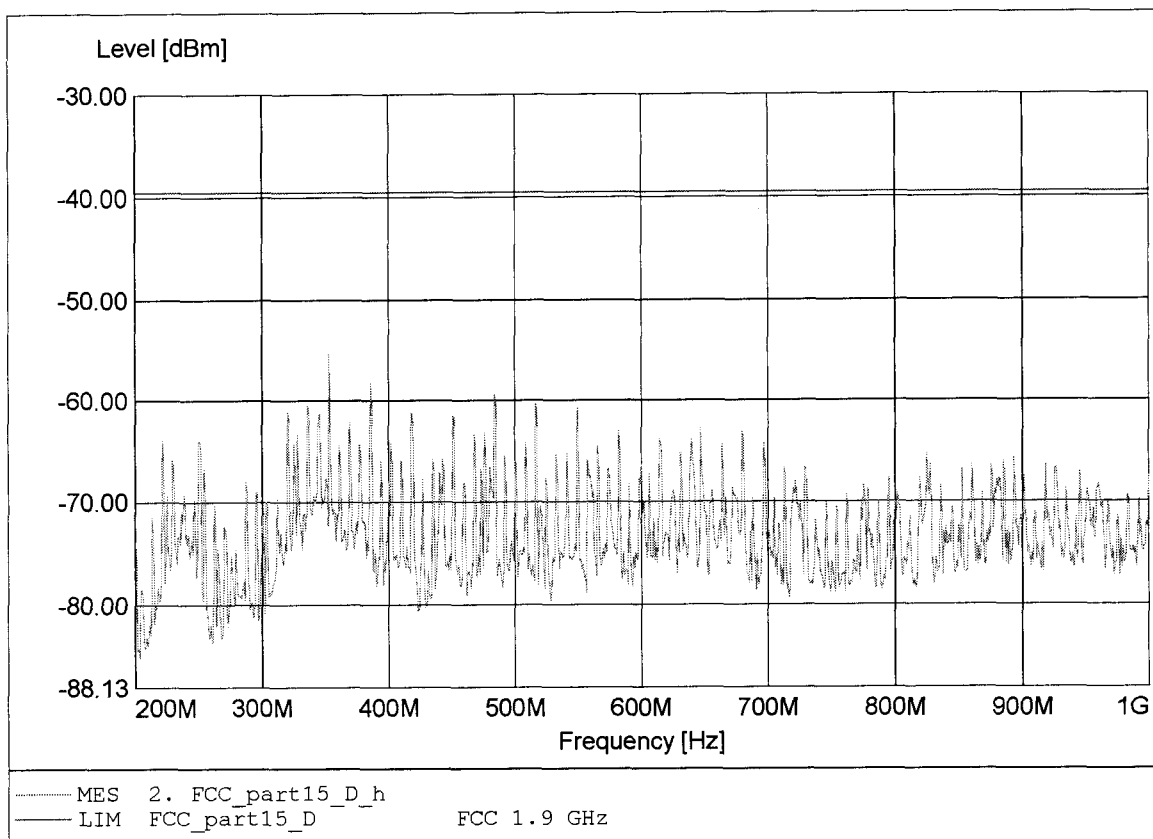
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:516.444MHz Pmax:-58.78dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

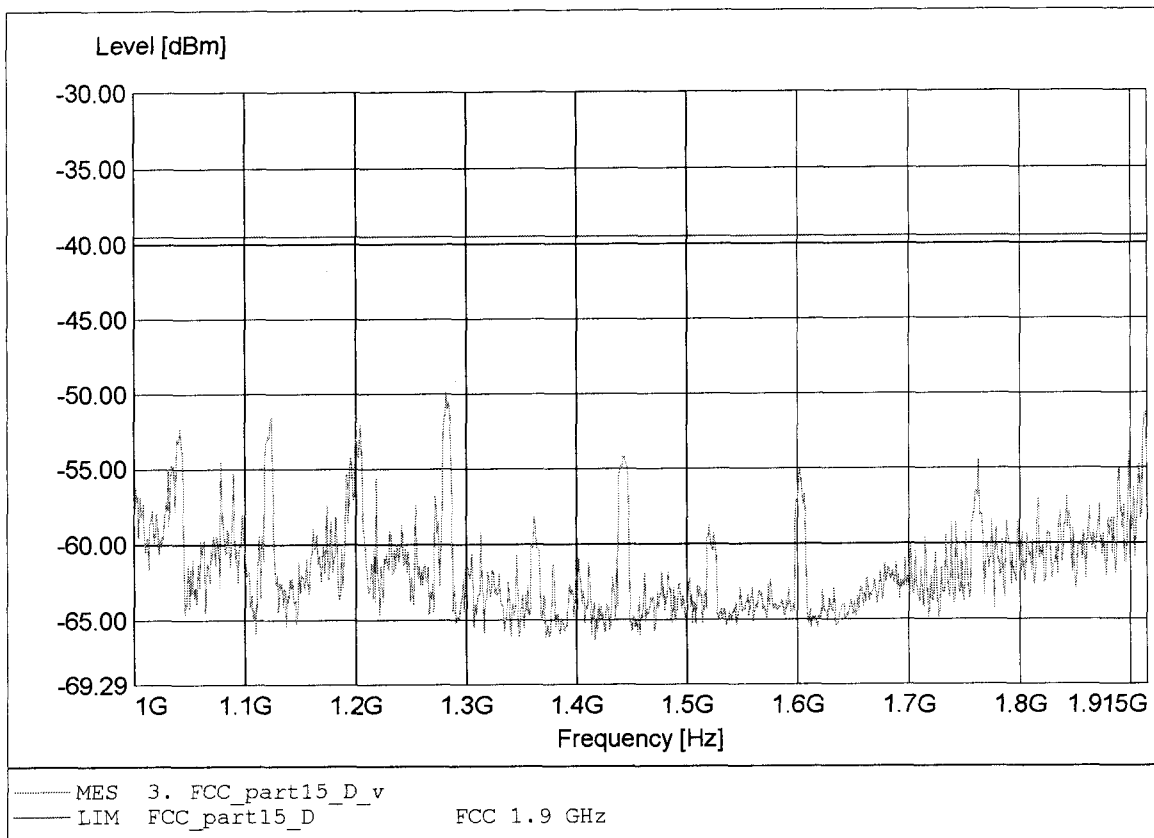
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:352.889MHz Pmax:-55.40dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

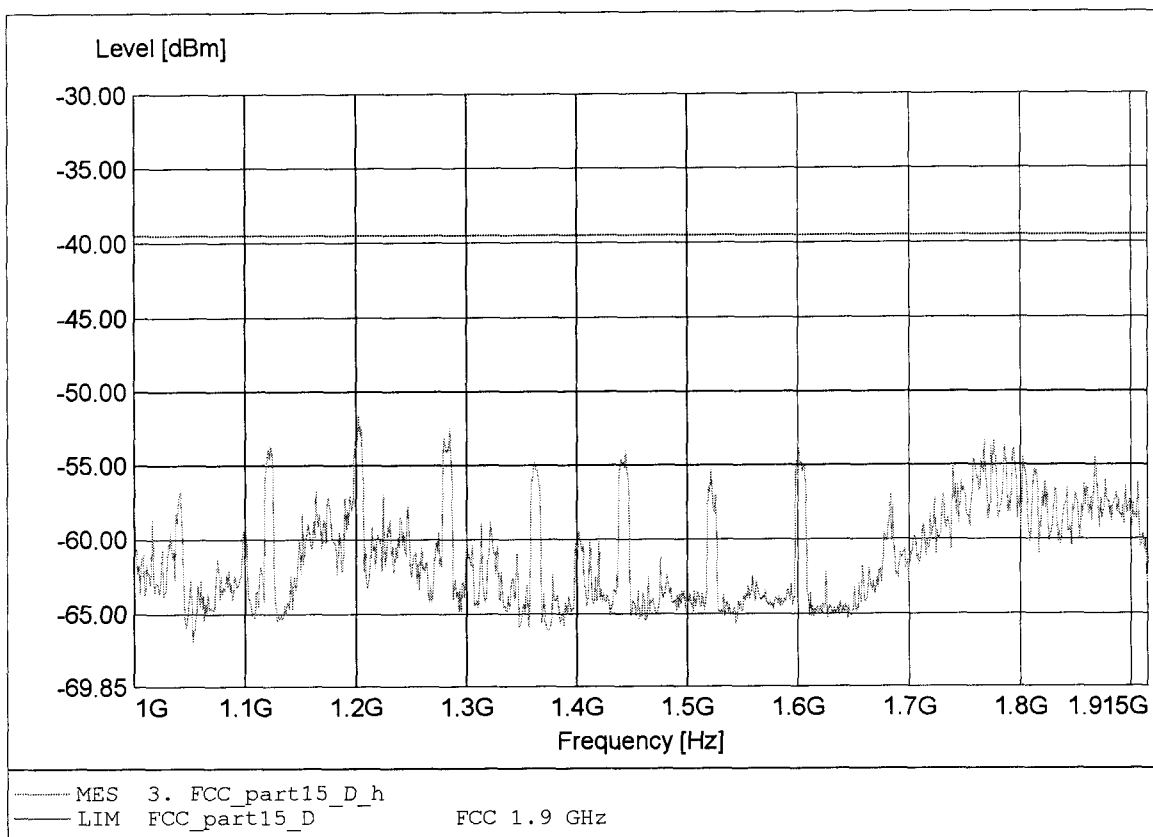
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.282GHz Pmax:-49.86dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

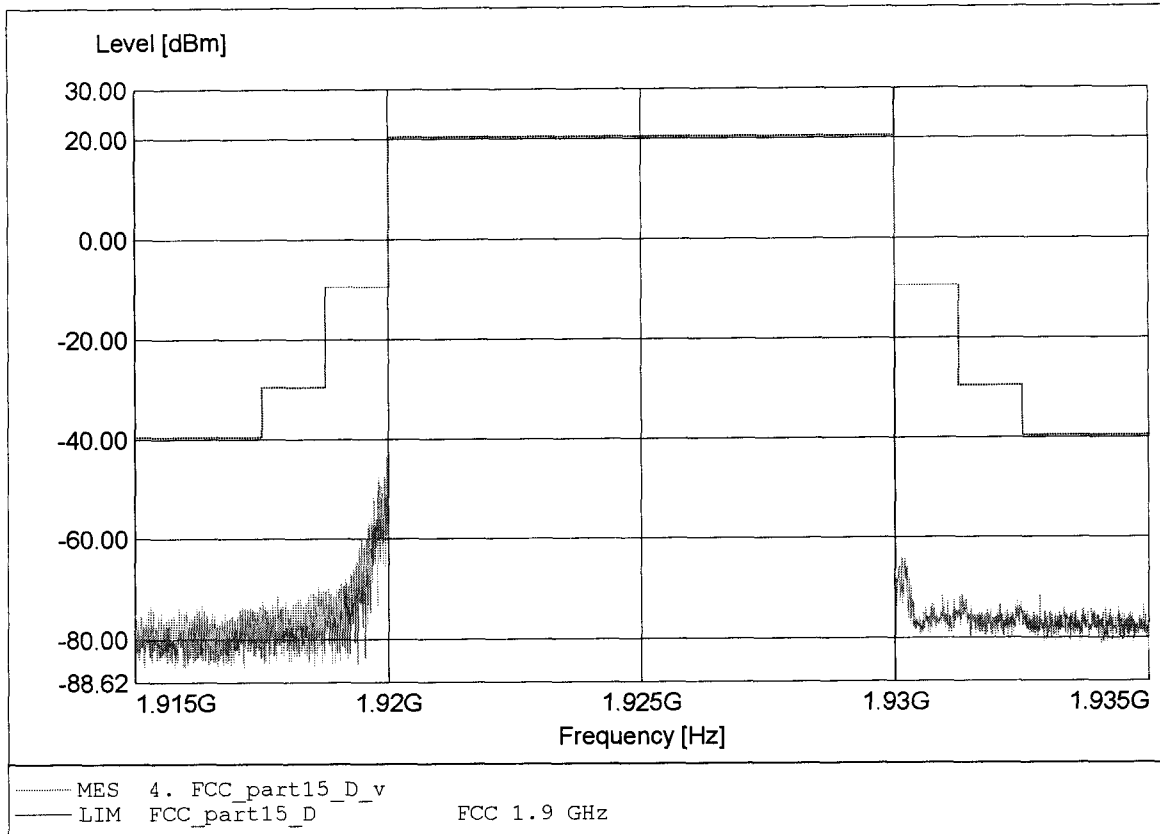
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.202GHz Pmax:-51.69dBm RBW: 1 MHz



Spurious emissions under normal conditions

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

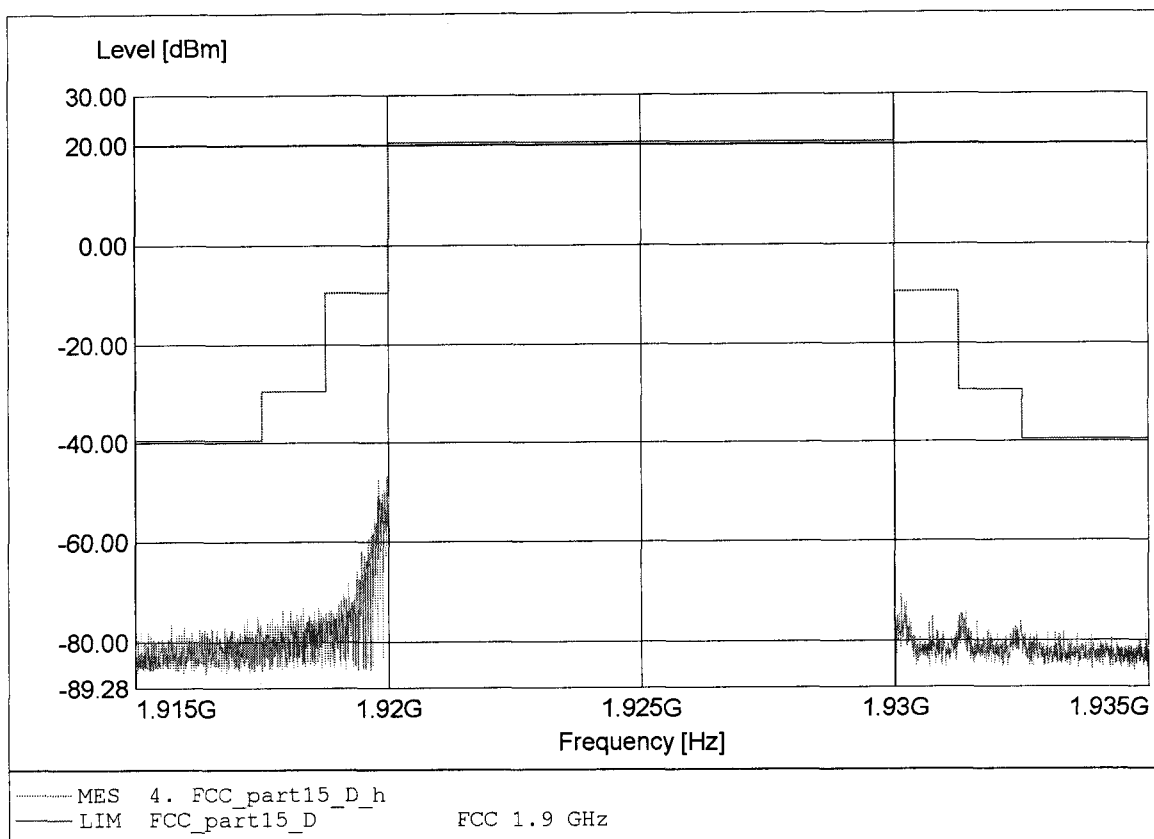
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-43.61dBm RBW:10 kHz



Spurious emissions under normal conditions

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

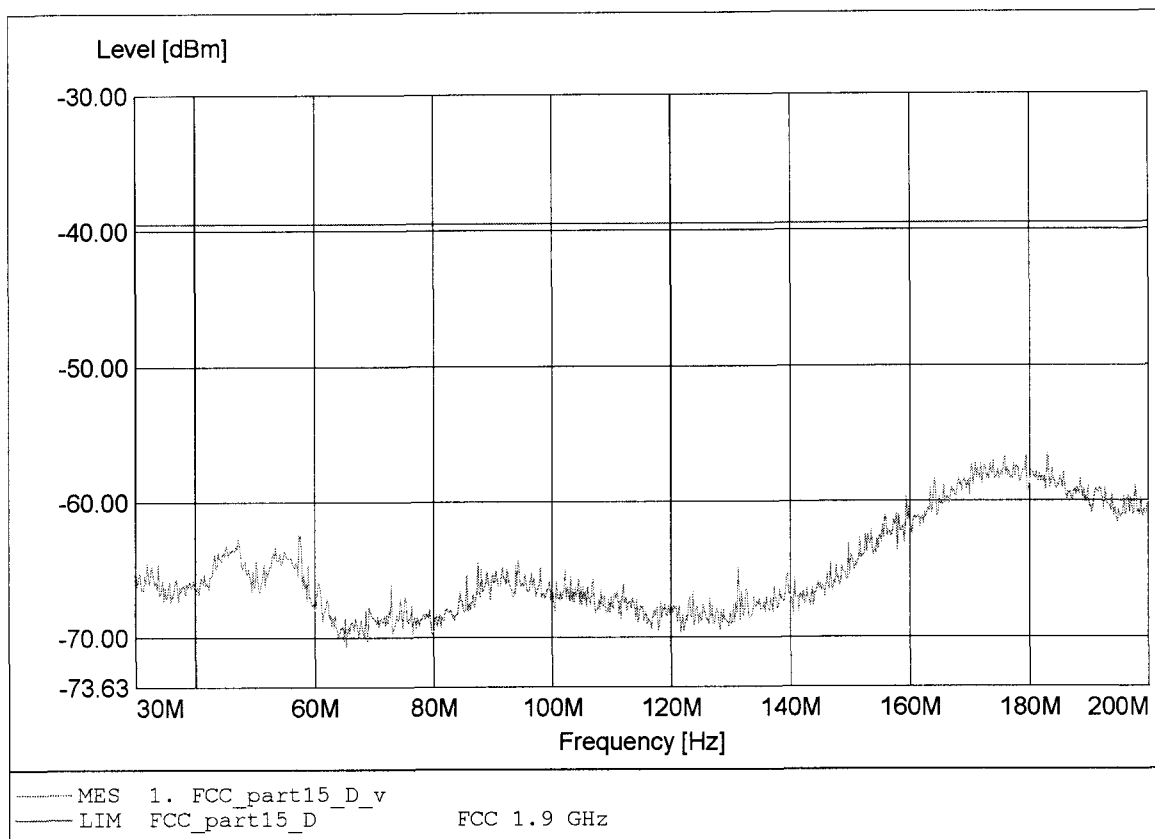
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 4
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.920GHz Pmax:-46.85dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

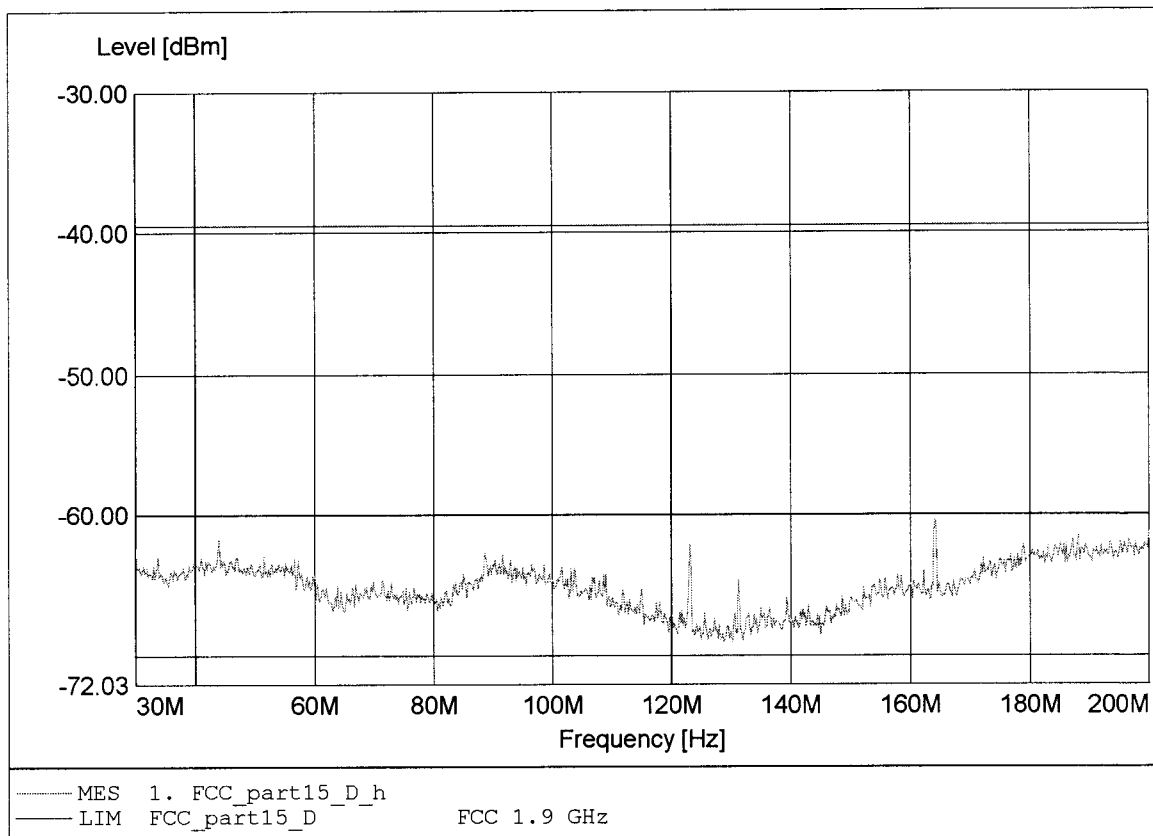
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:183.000MHz Pmax:-56.37dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

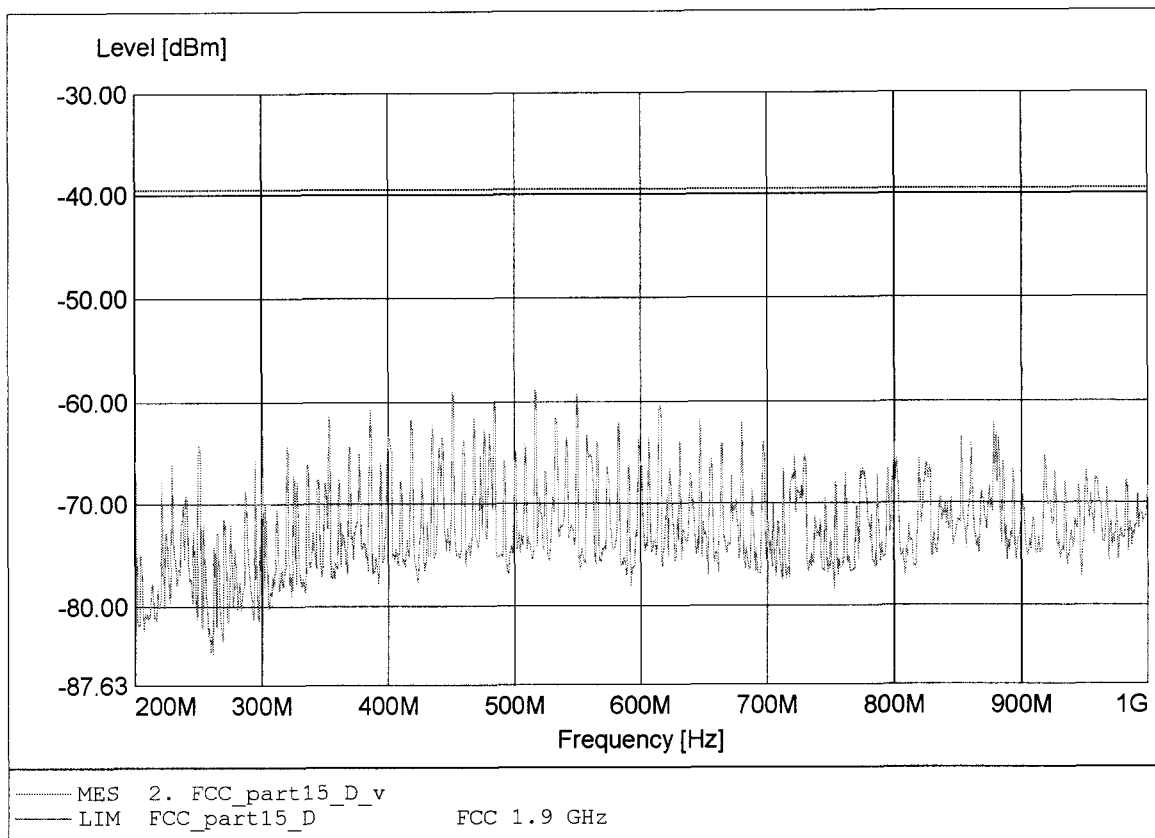
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:164.111MHz Pmax:-60.34dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

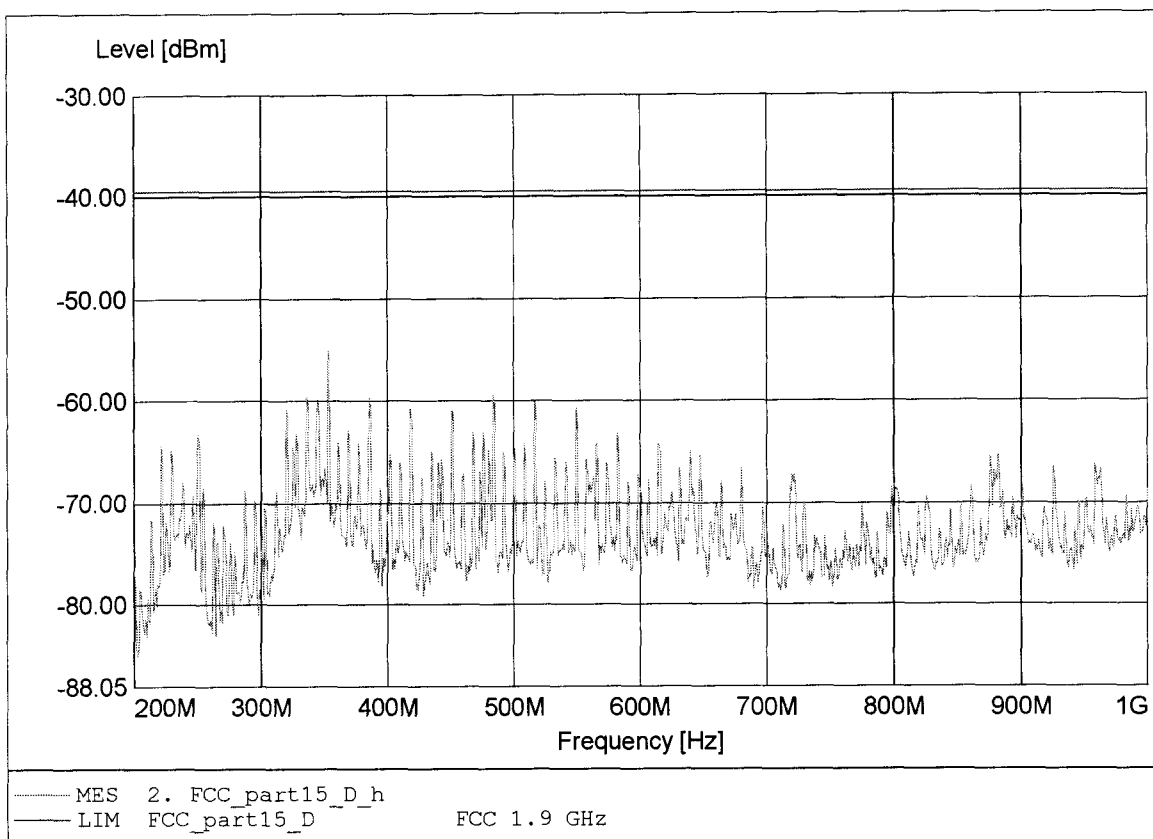
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:516.444MHz Pmax:-58.75dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

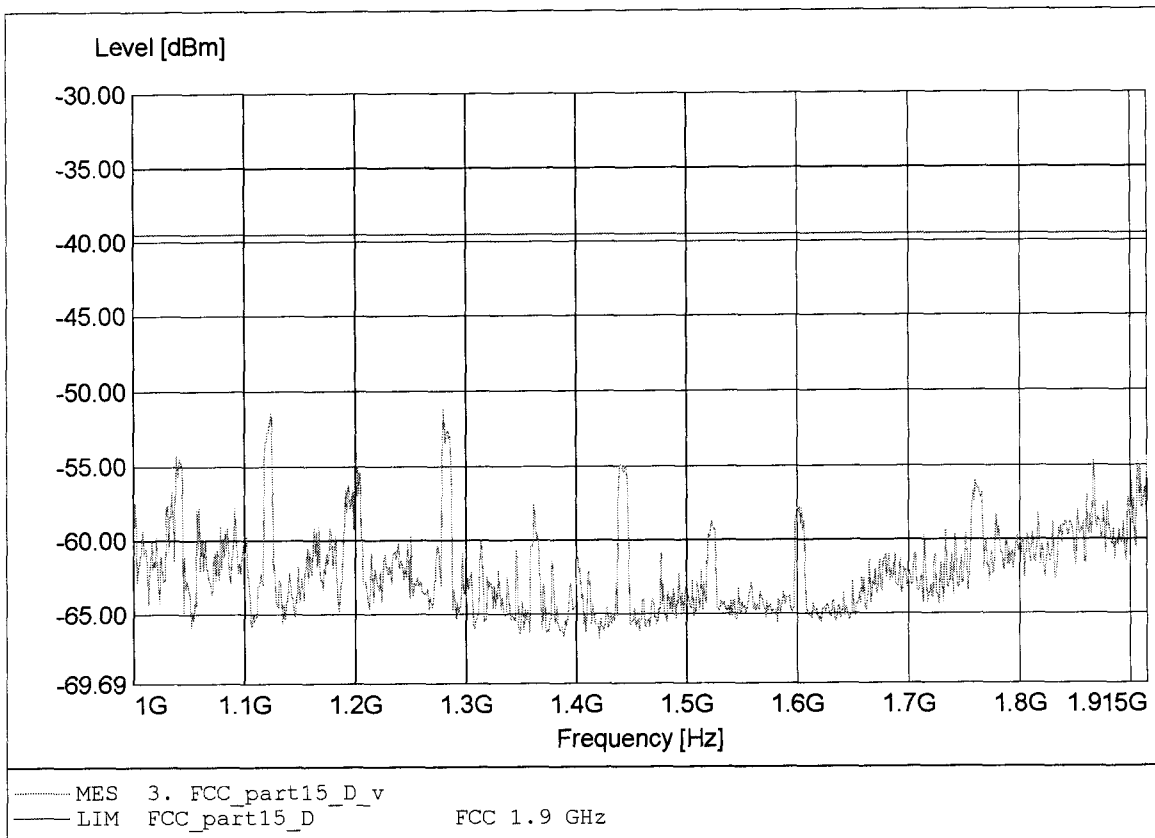
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:352.889MHz Pmax:-55.07dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

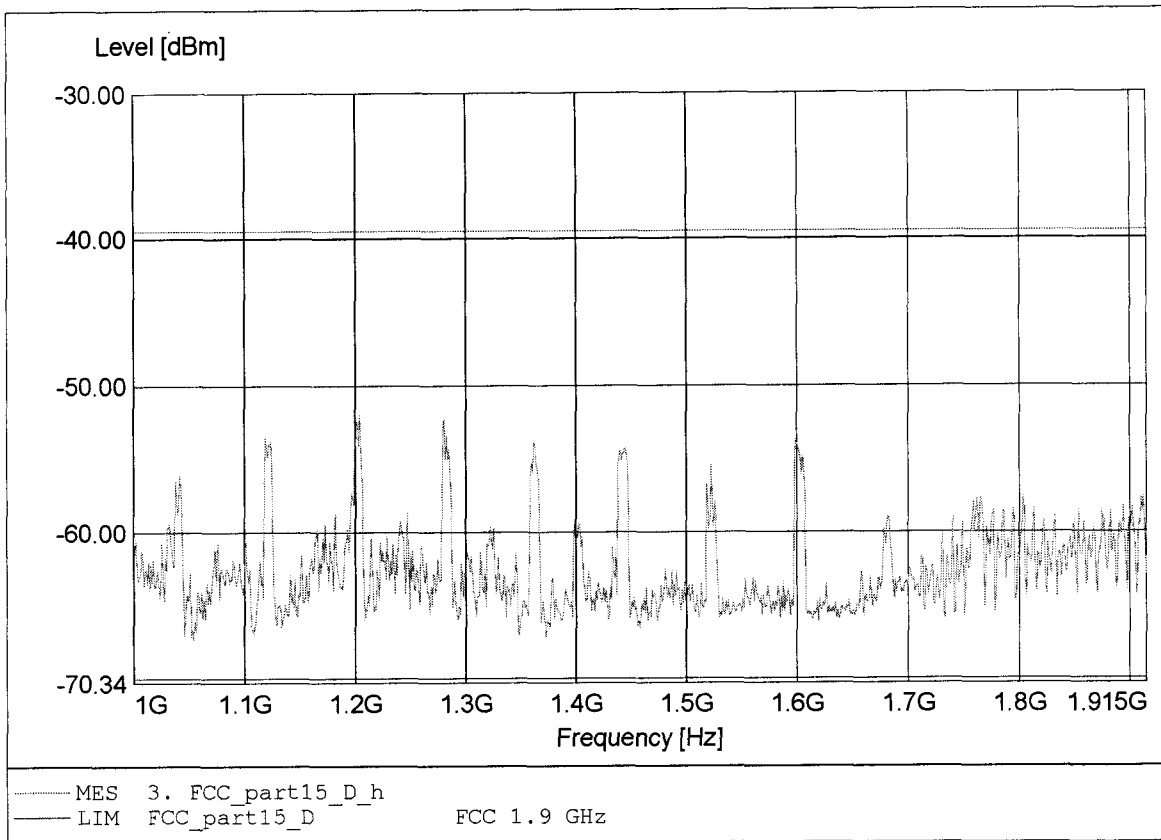
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.280GHz Pmax:-51.22dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

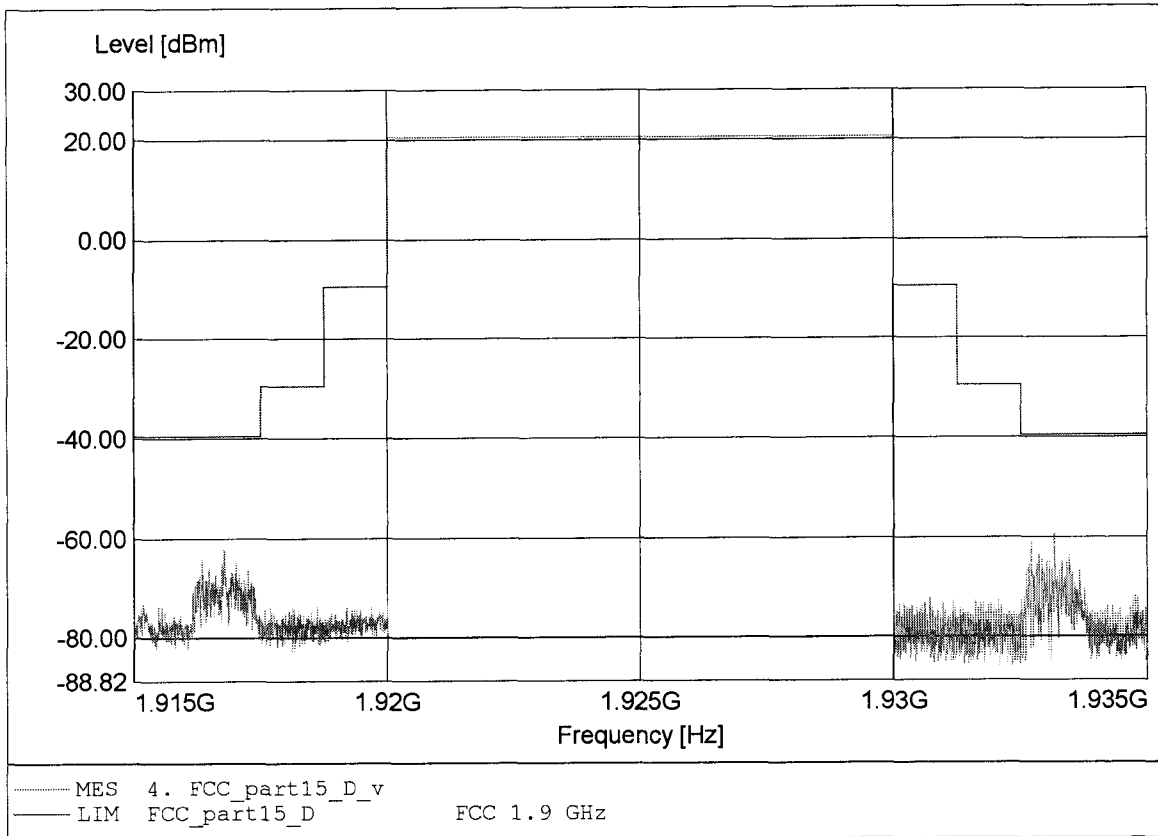
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.204GHz Pmax:-51.86dBm RBW: 1 MHz



Spurious emissions under normal conditions

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

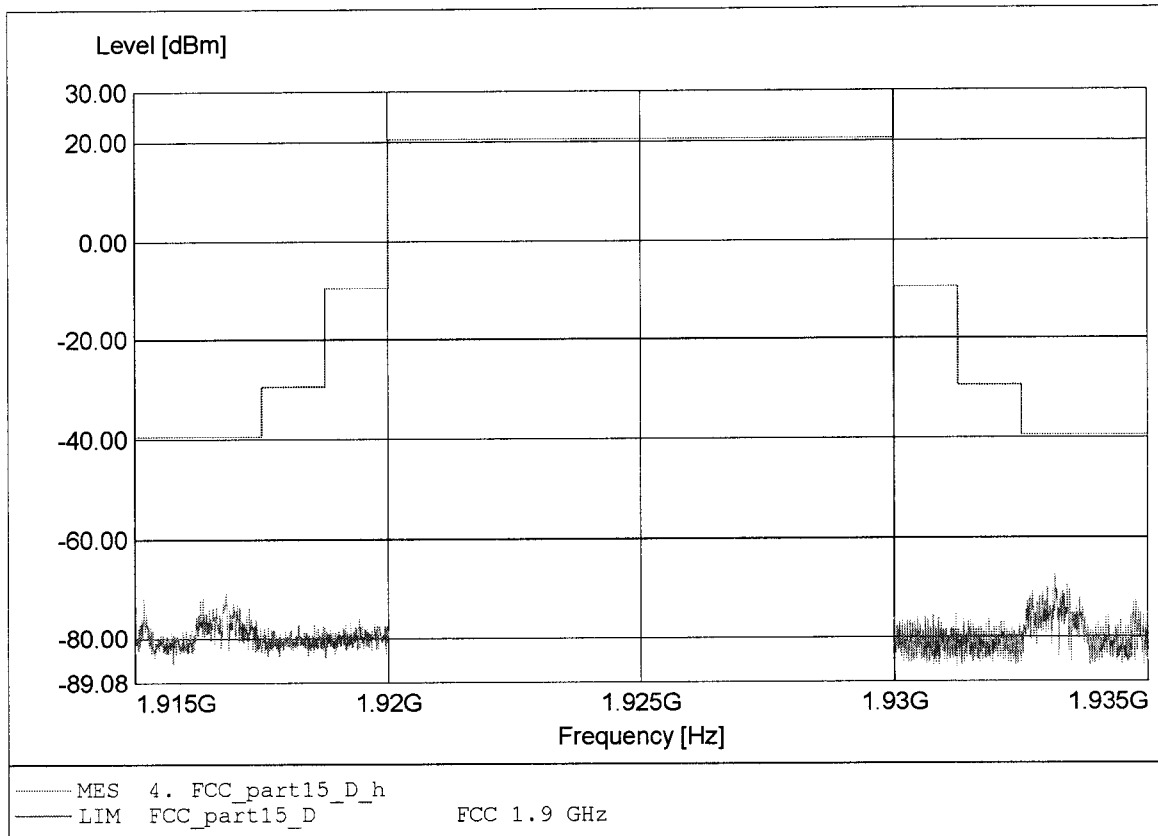
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.933GHz Pmax:-59.21dBm RBW:10 kHz



Spurious emissions under normal conditions

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

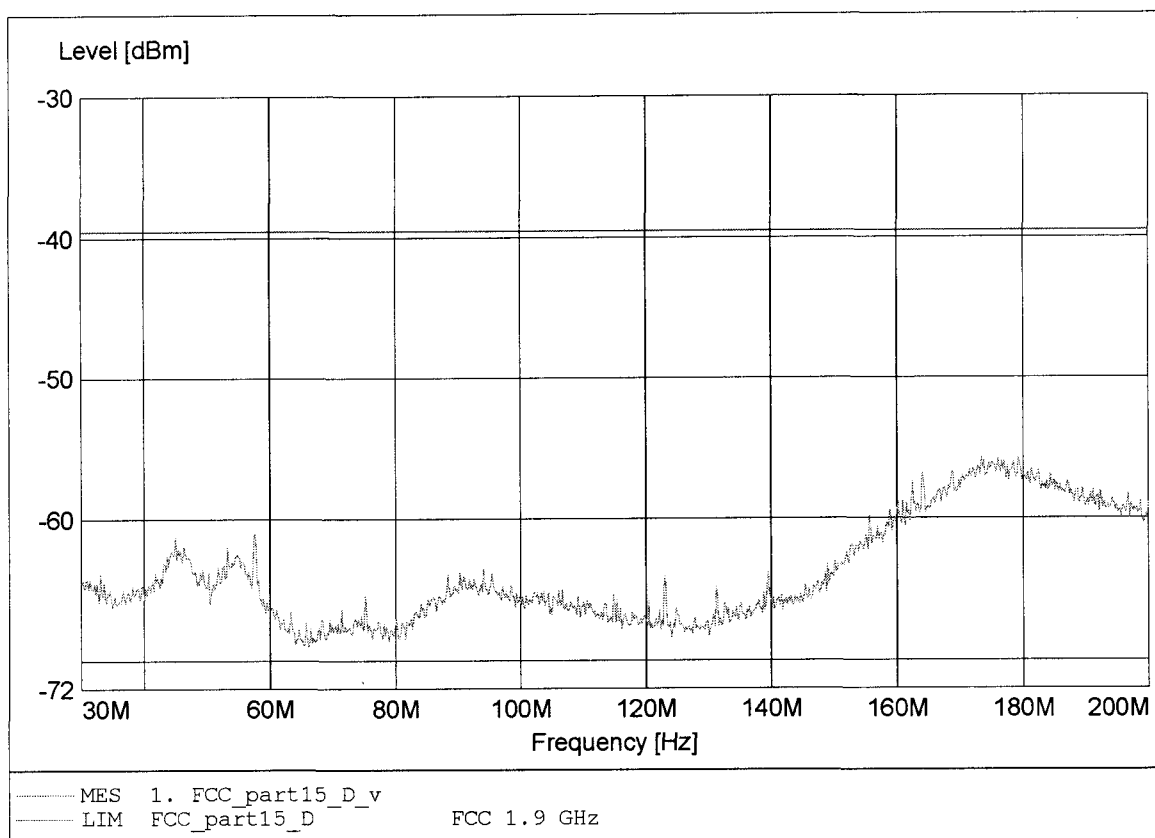
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 2
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.933GHz Pmax:-67.16dBm RBW:10 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

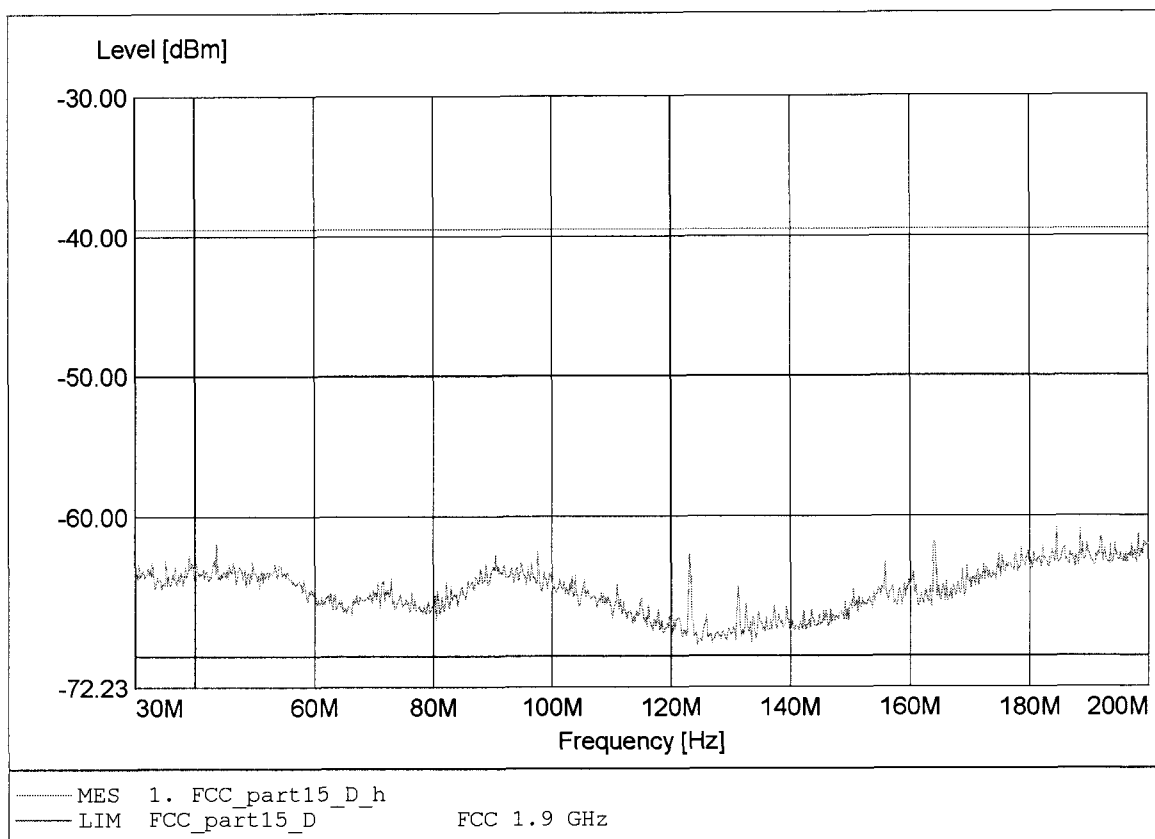
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:173.367MHz Pmax:-55.74dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

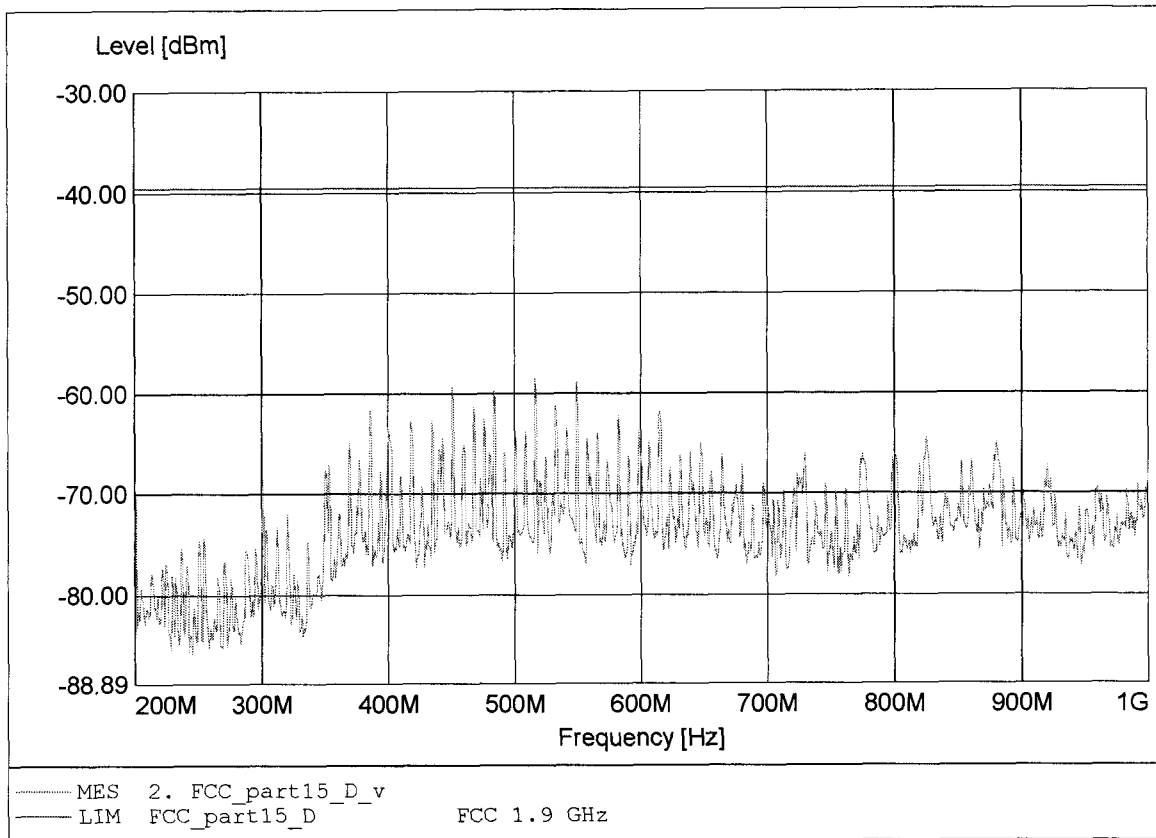
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HK 116,
Comment 2: Freq:184.511MHz Pmax:-60.76dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

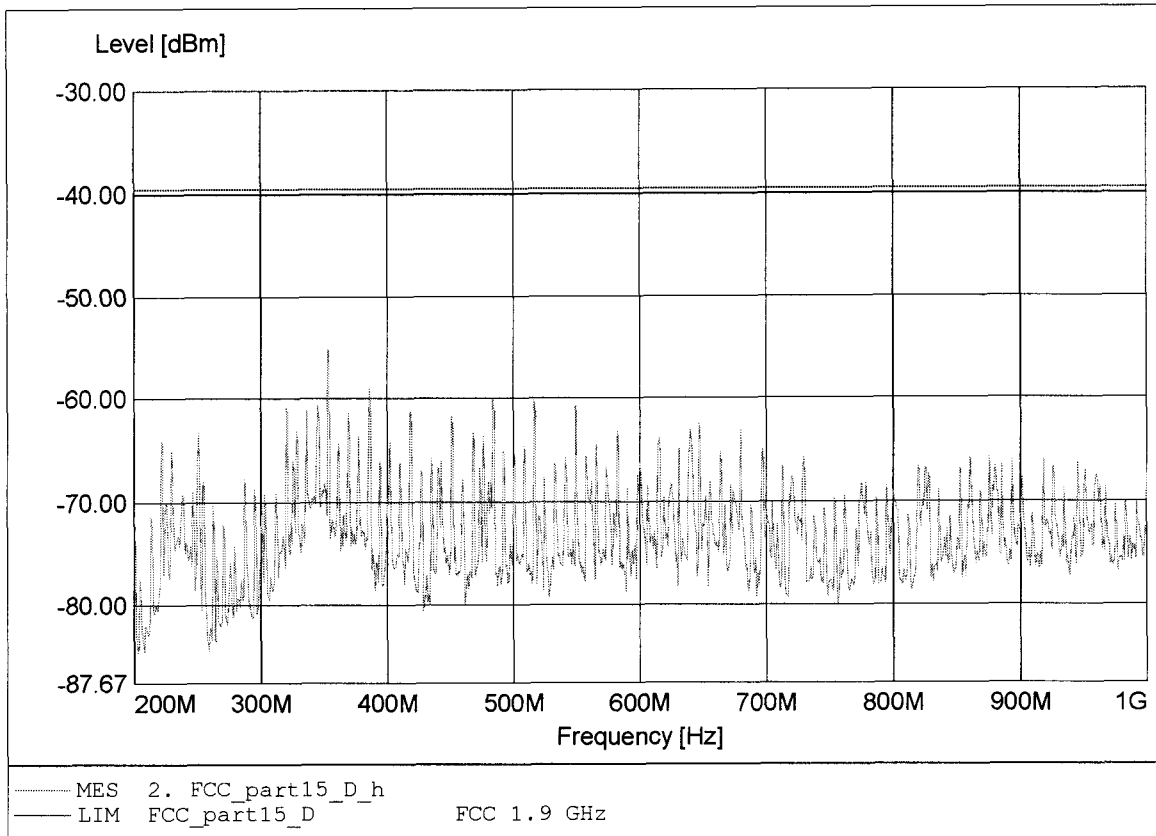
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:516.444MHz Pmax:-58.50dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

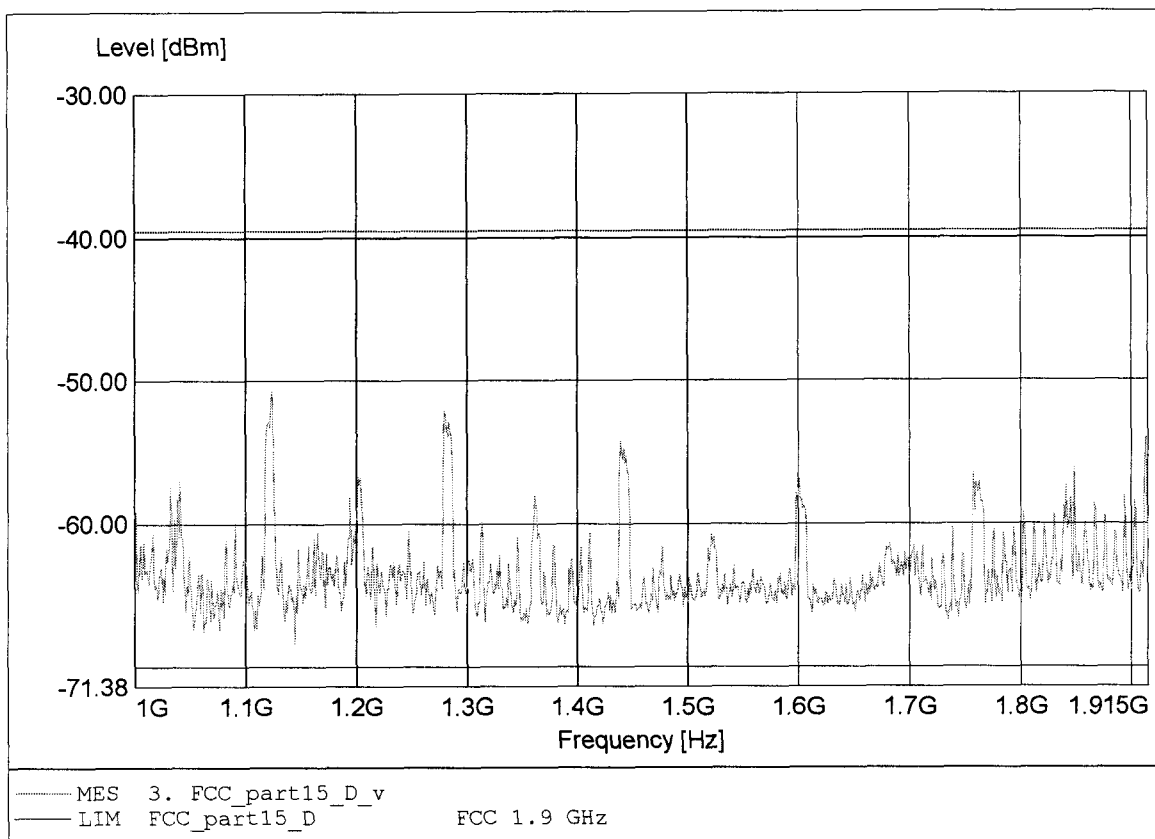
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.
Comment 2: Freq:352.889MHz Pmax:-55.02dBm RBW: 100 kHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

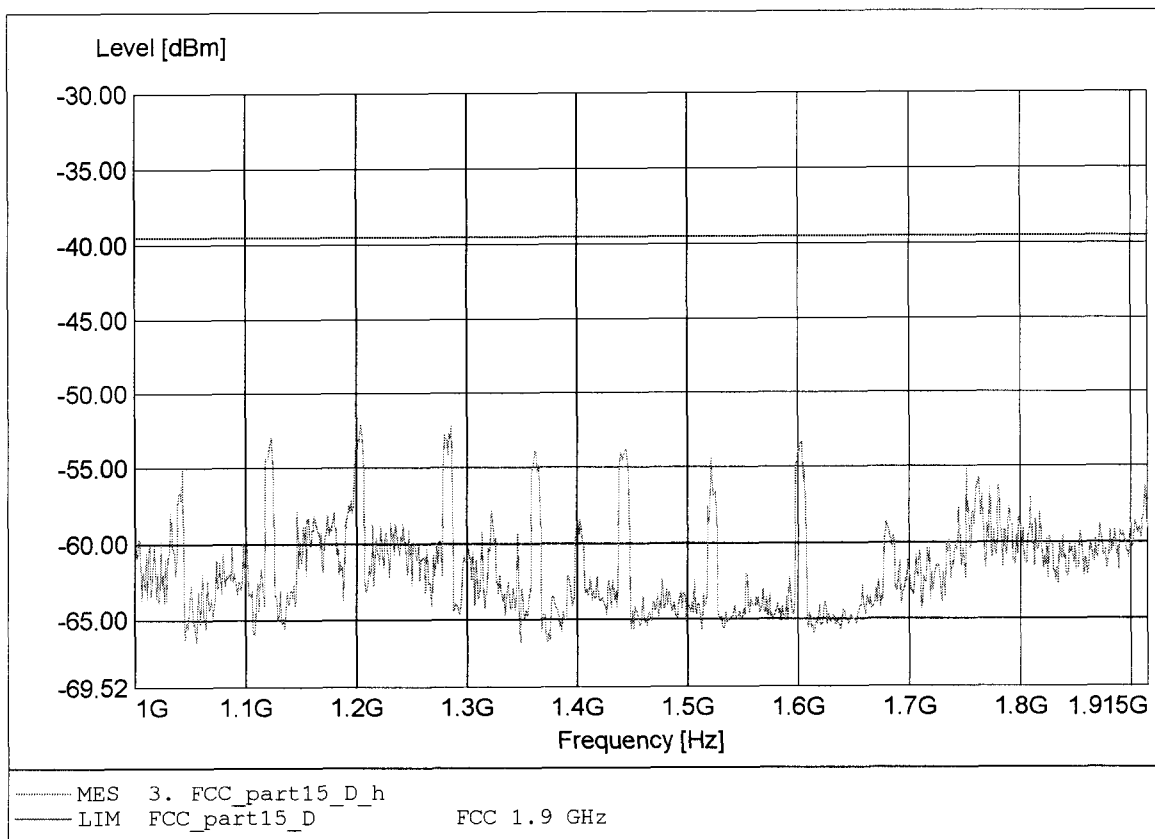
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.124GHz Pmax:-50.77dBm RBW: 1 MHz



Spurious emissions under normal conditions

FCC RULES PART 15, SUBPART D

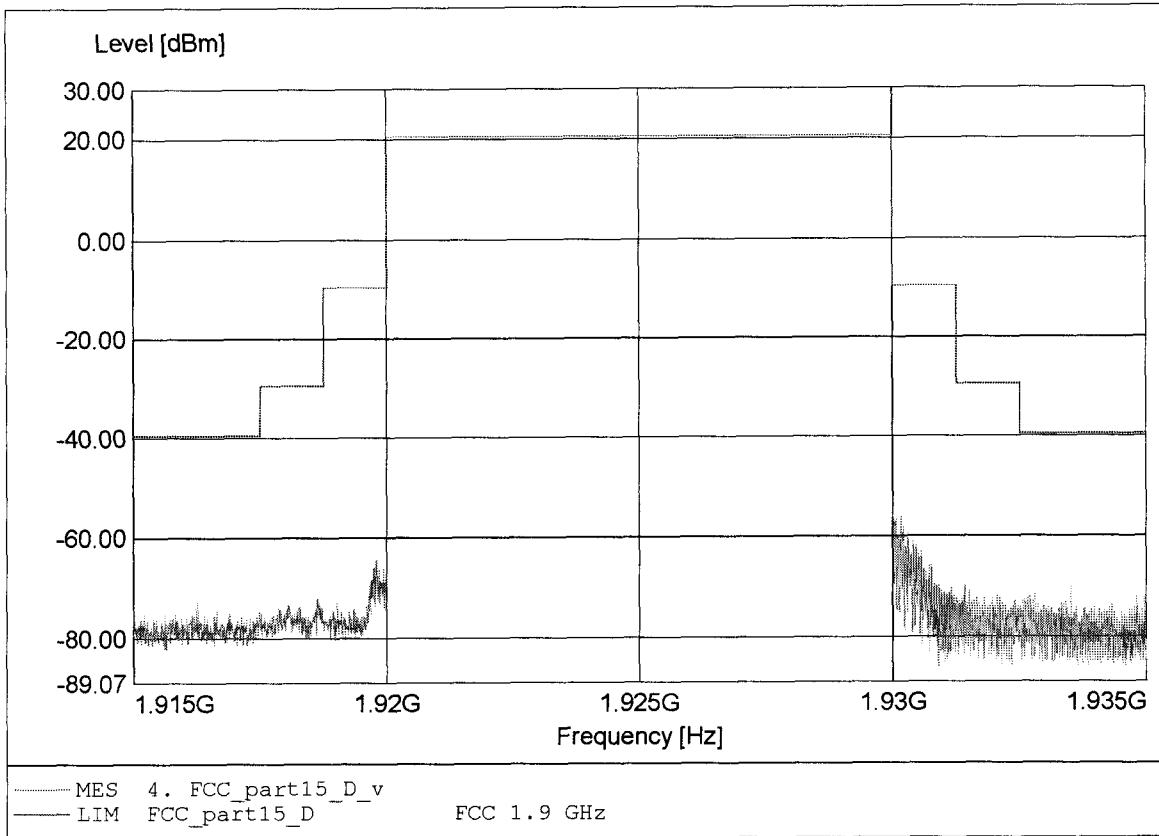
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.203GHz Pmax:-52.08dBm RBW: 1 MHz



Spurious emissions under normal conditions

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

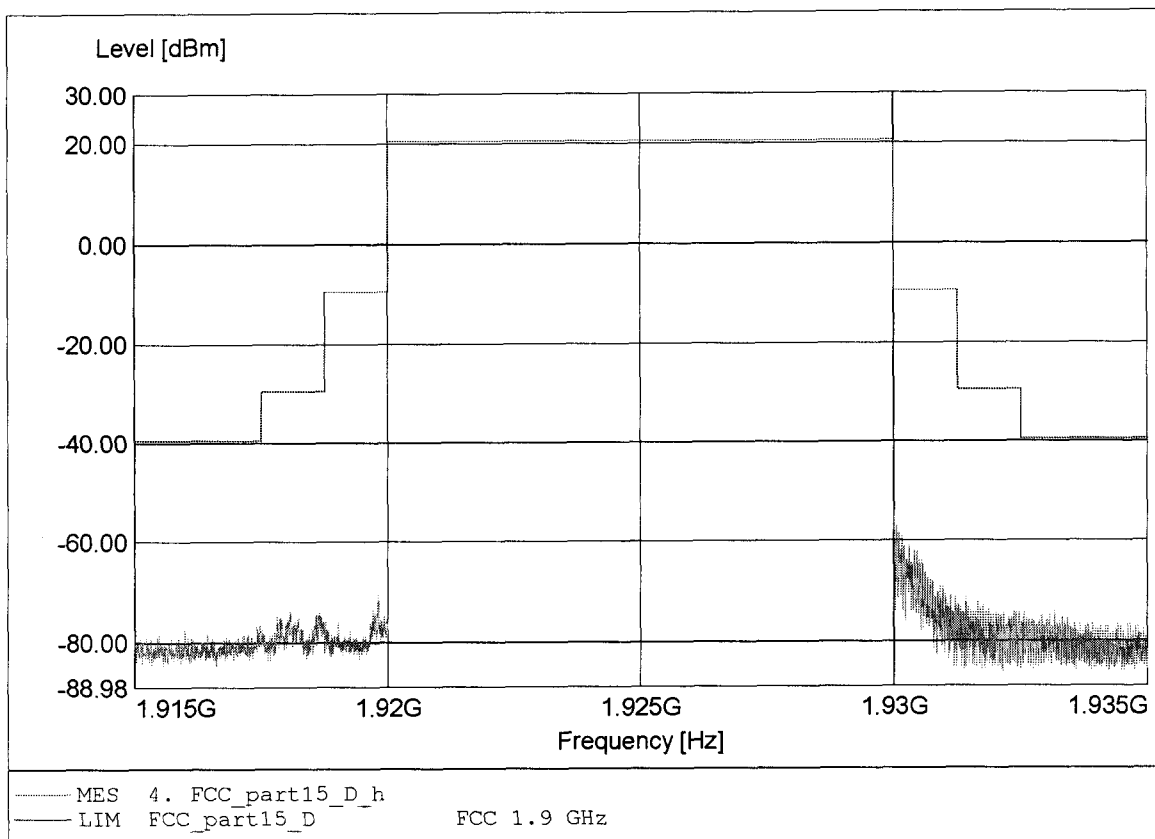
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.930GHz Pmax:-55.86dBm RBW:10 kHz



Spurious emissions under normal conditions

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

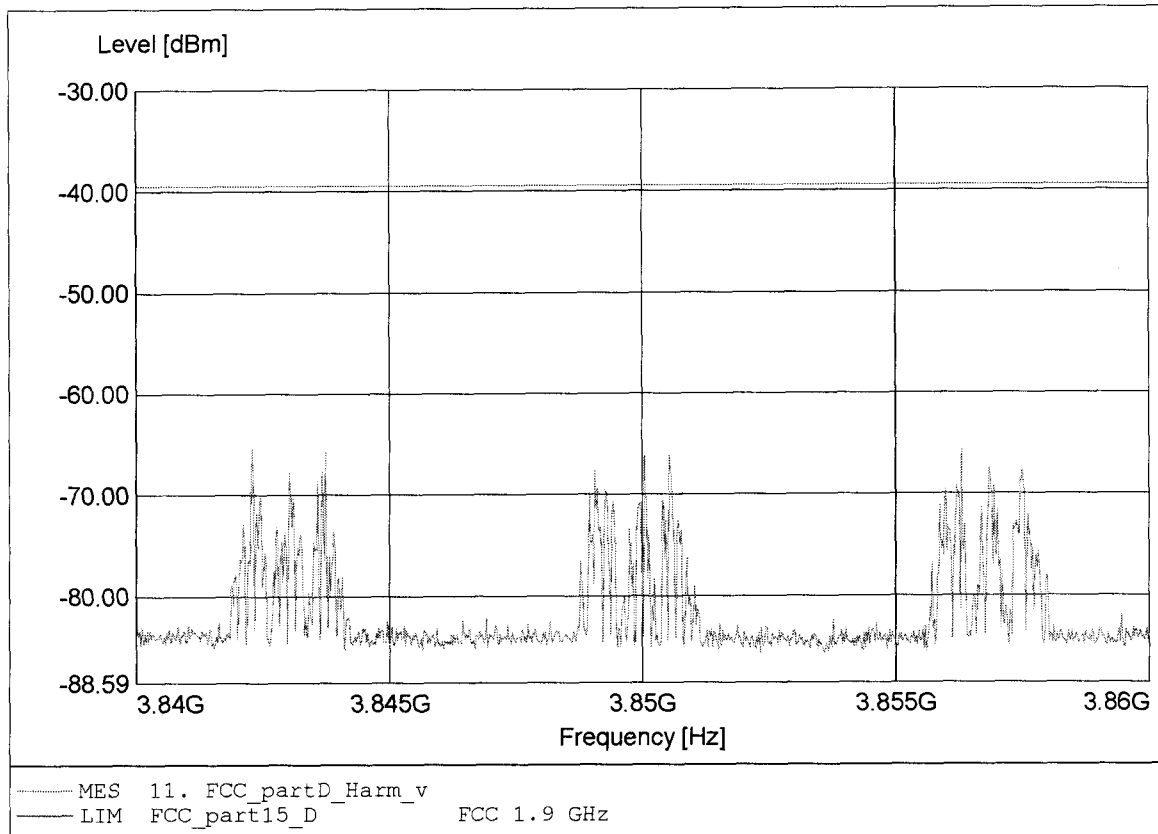
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:1.930GHz Pmax:-55.38dBm RBW:10 kHz



Spurious emissions under normal conditions

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

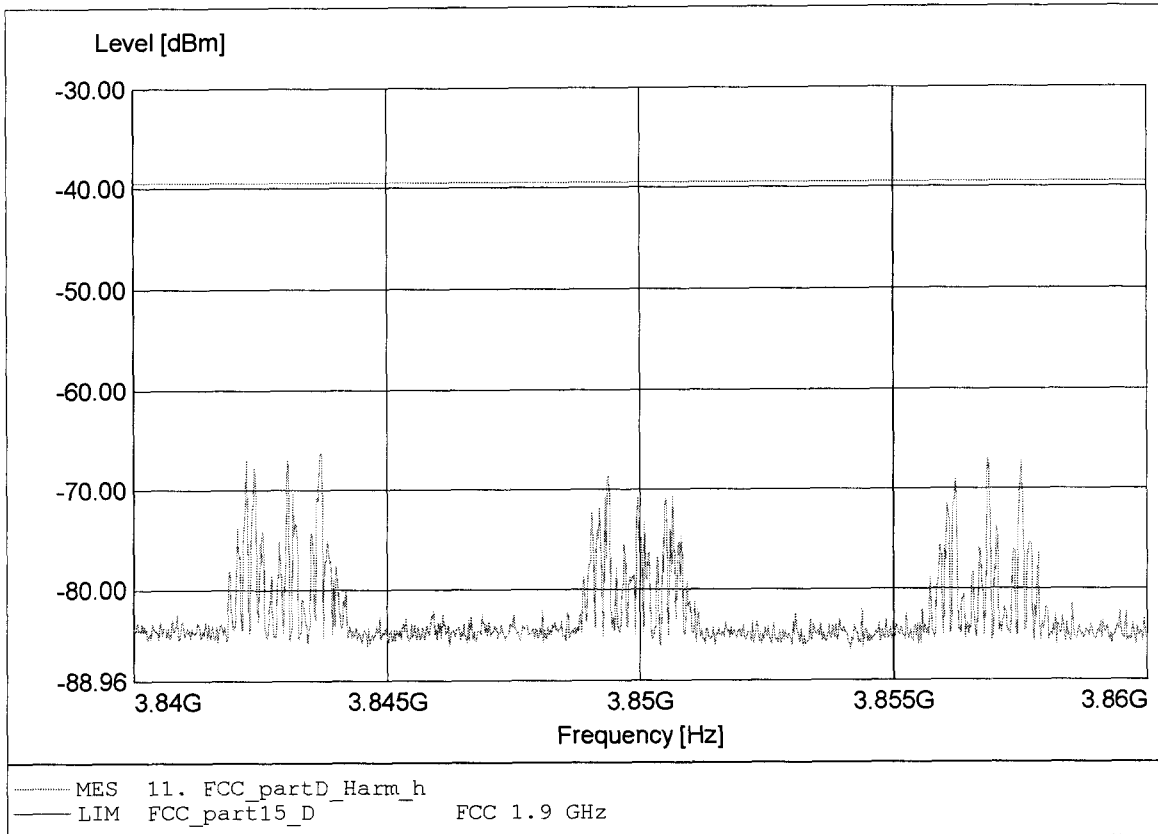
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.842GHz Pmax:-65.48dBm RBW:10 kHz



Spurious emissions under normal conditions

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

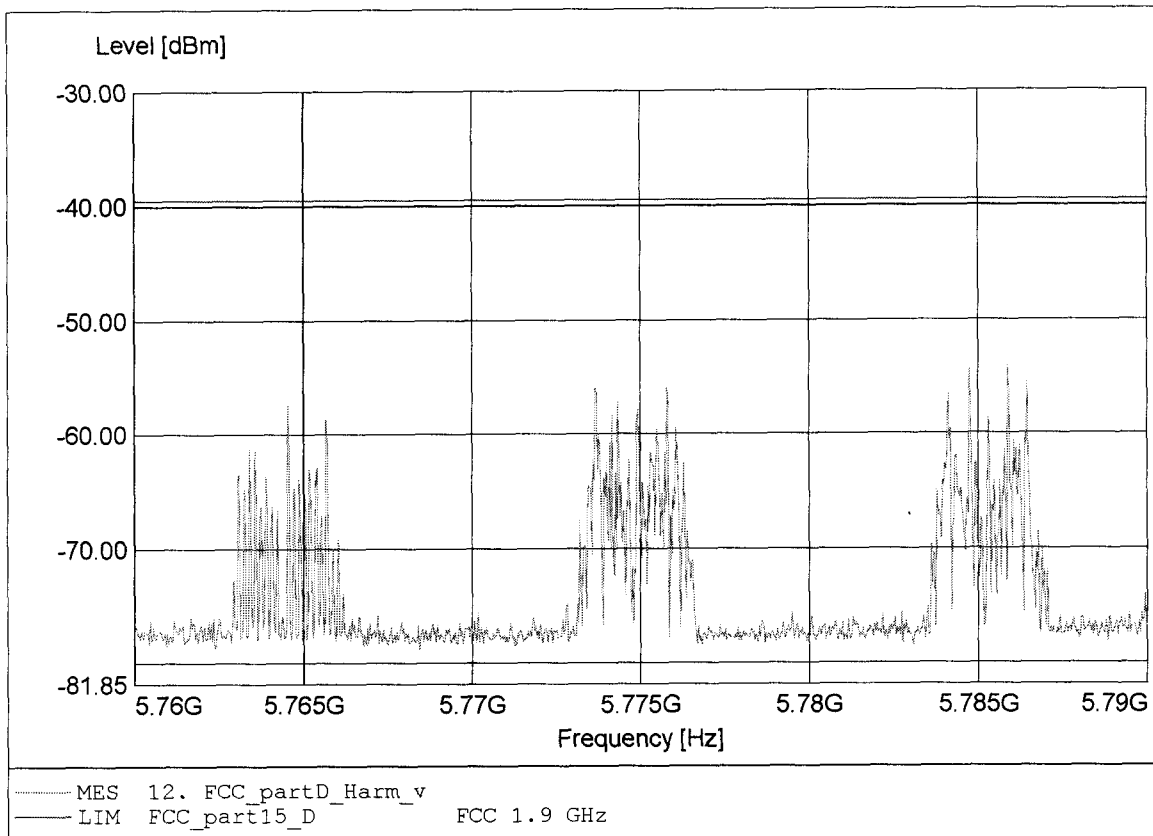
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:3.844GHz Pmax:-66.27dBm RBW:10 kHz



Spurious emissions under normal conditions

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

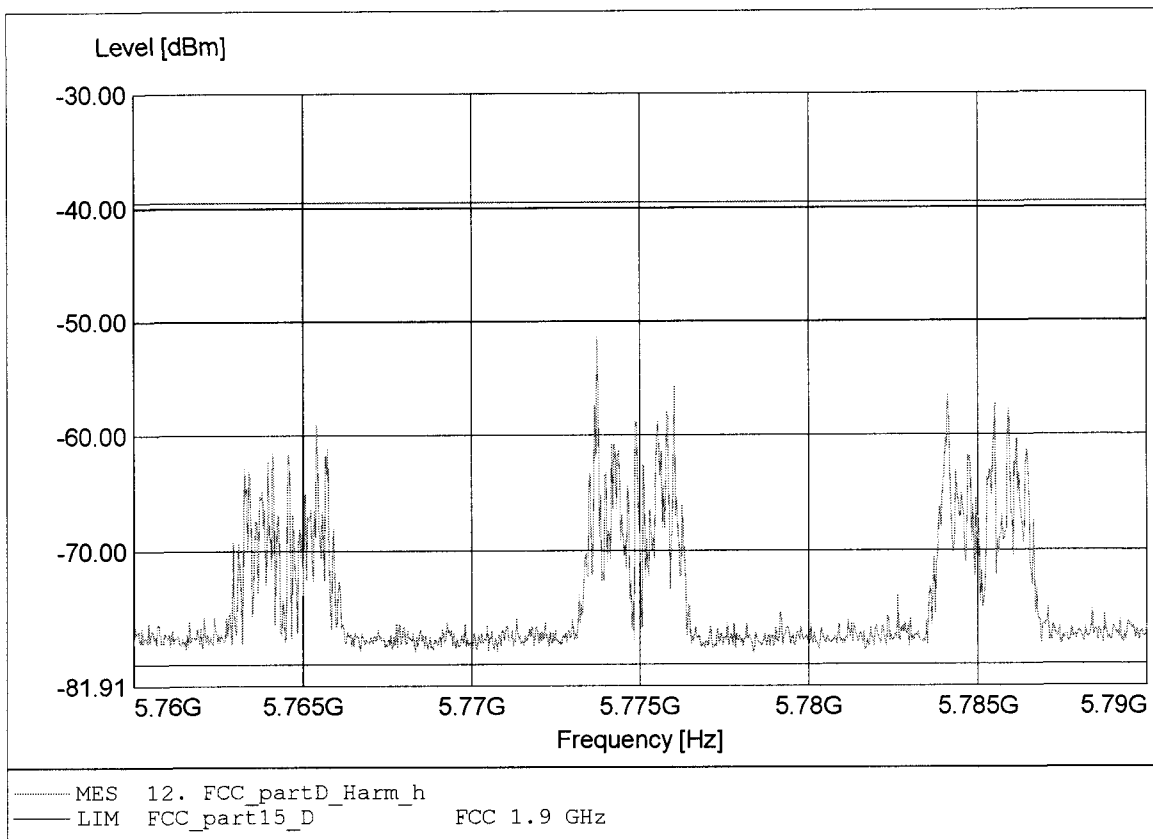
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.786GHz Pmax:-53.91dBm RBW:10 kHz



Spurious emissions under normal conditions

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

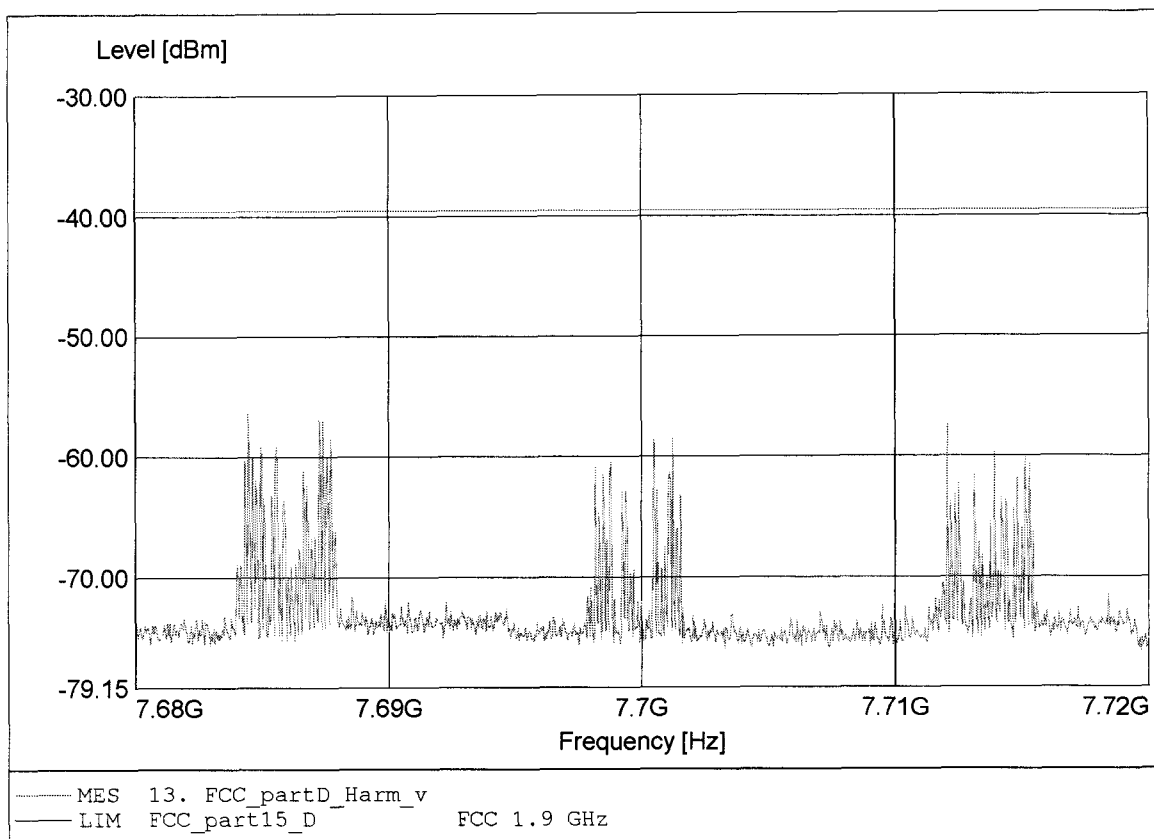
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:5.774GHz Pmax:-51.31dBm RBW:10 kHz



Spurious emissions under normal conditions

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

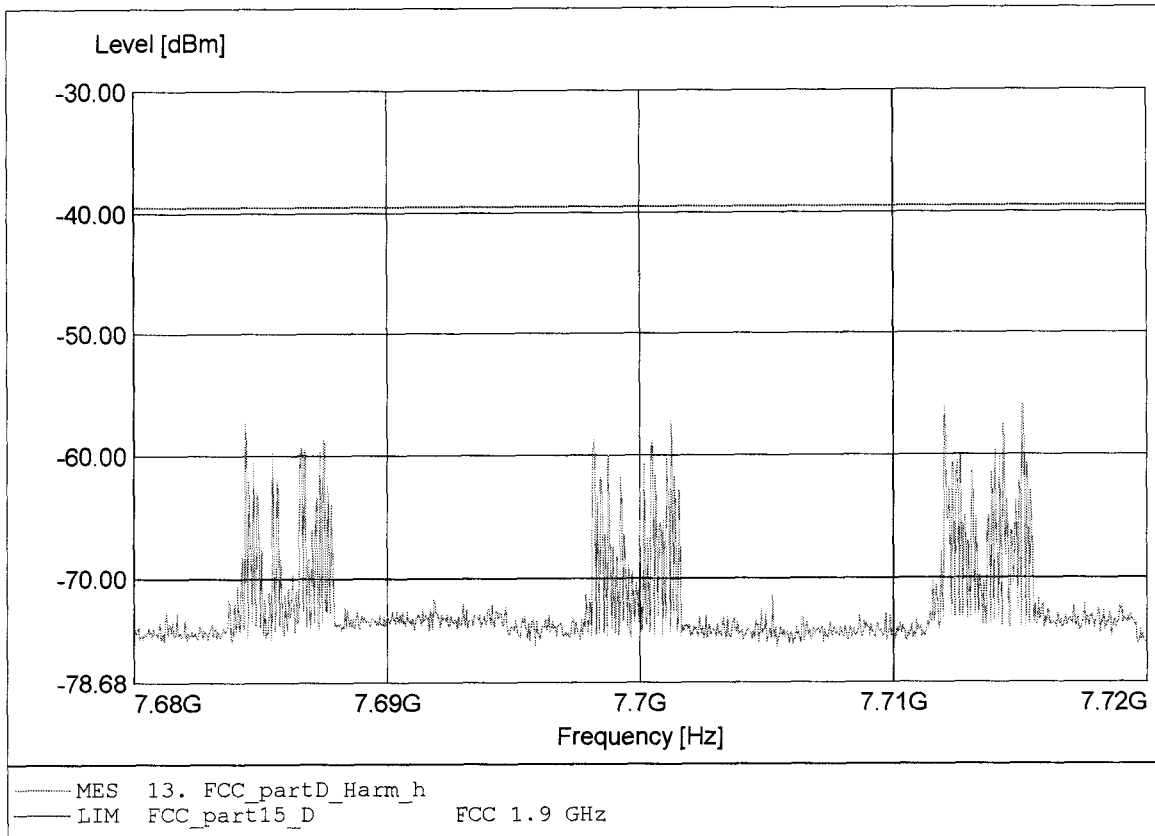
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:7.684GHz Pmax:-56.46dBm RBW:10 kHz



Spurious emissions under normal conditions

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

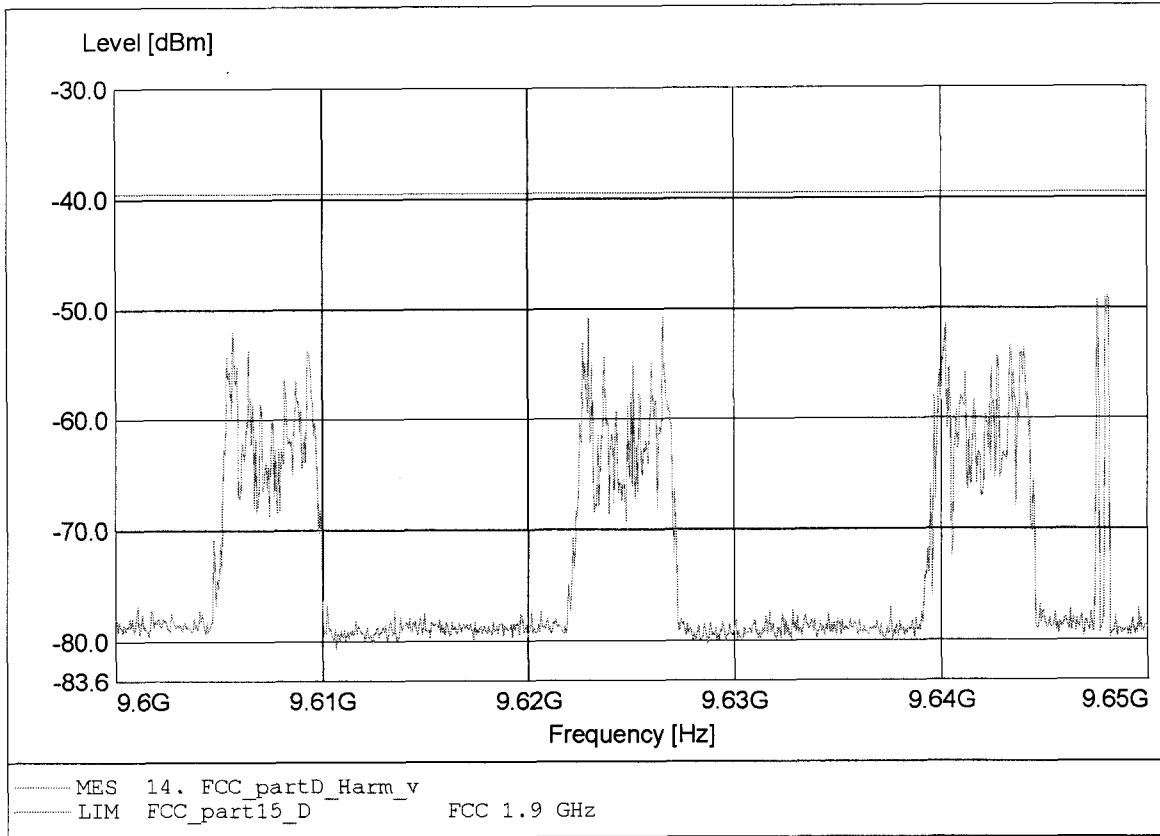
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq: 7.715GHz Pmax:-55.92dBm RBW:10 kHz



Spurious emissions under normal conditions

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

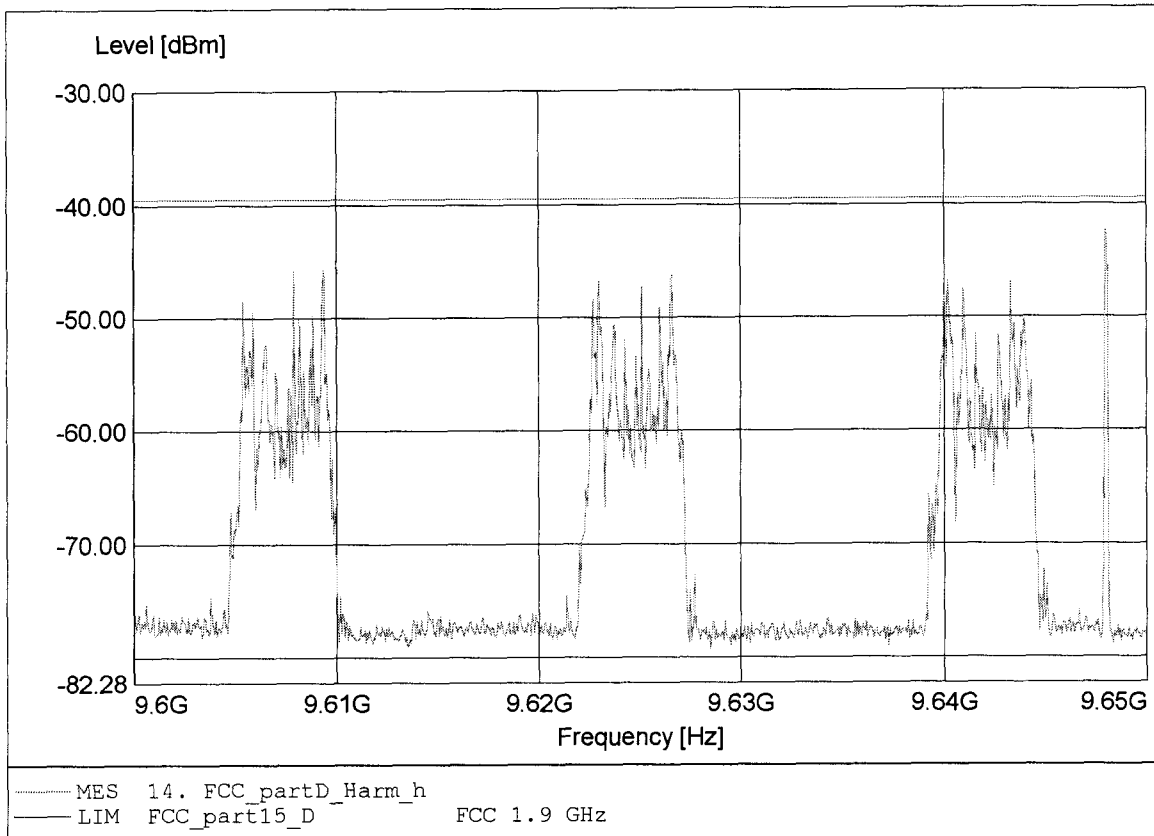
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:9.648GHz Pmax:-48.94dBm RBW:10 kHz



Spurious emissions under normal conditions

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

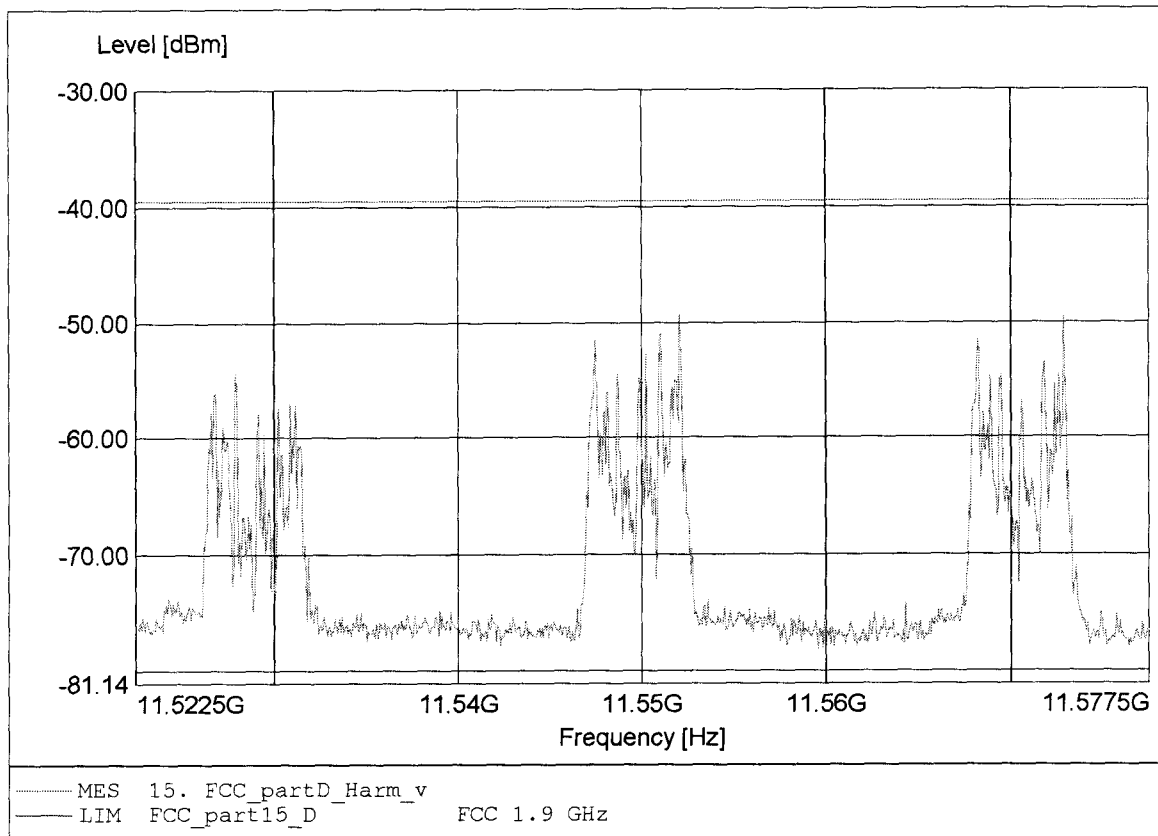
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq: 9.648GHz Pmax: -42.35dBm RBW: 10 kHz



Spurious emissions under normal conditions

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

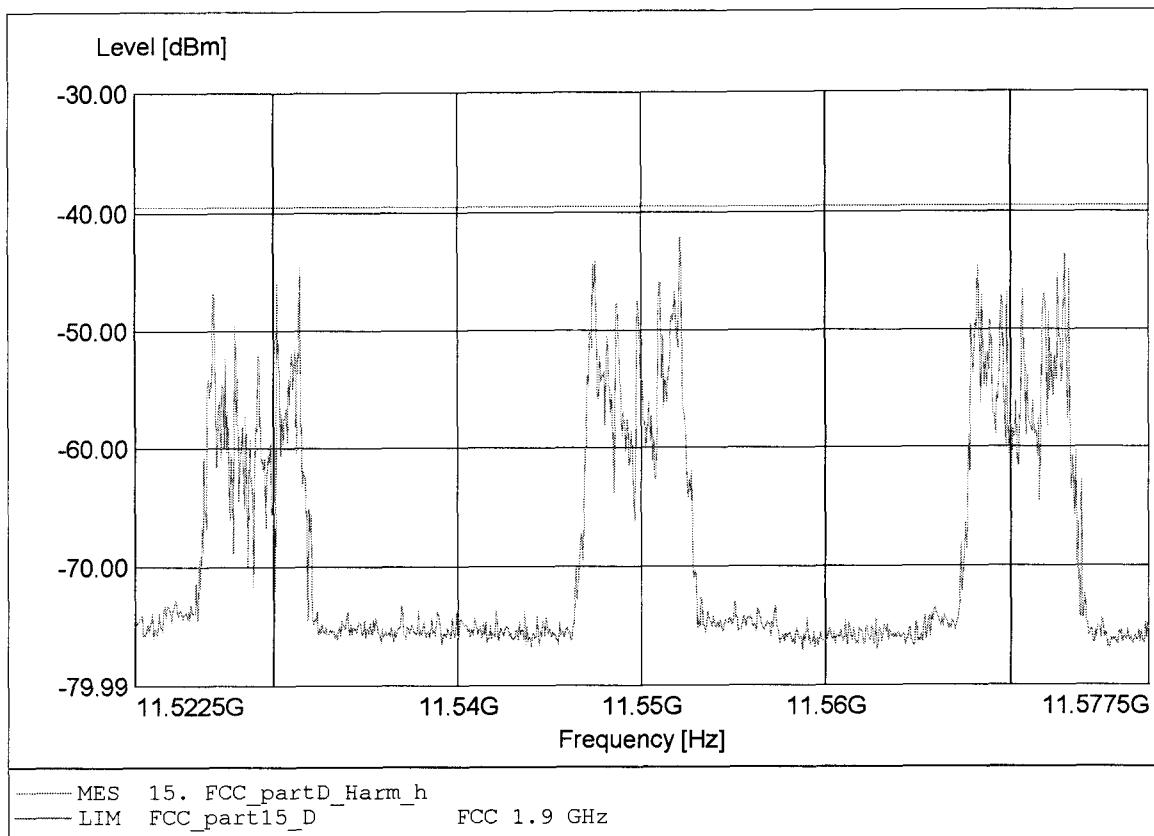
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.552GHz Pmax:-49.32dBm RBW:10 kHz



Spurious emissions under normal conditions

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

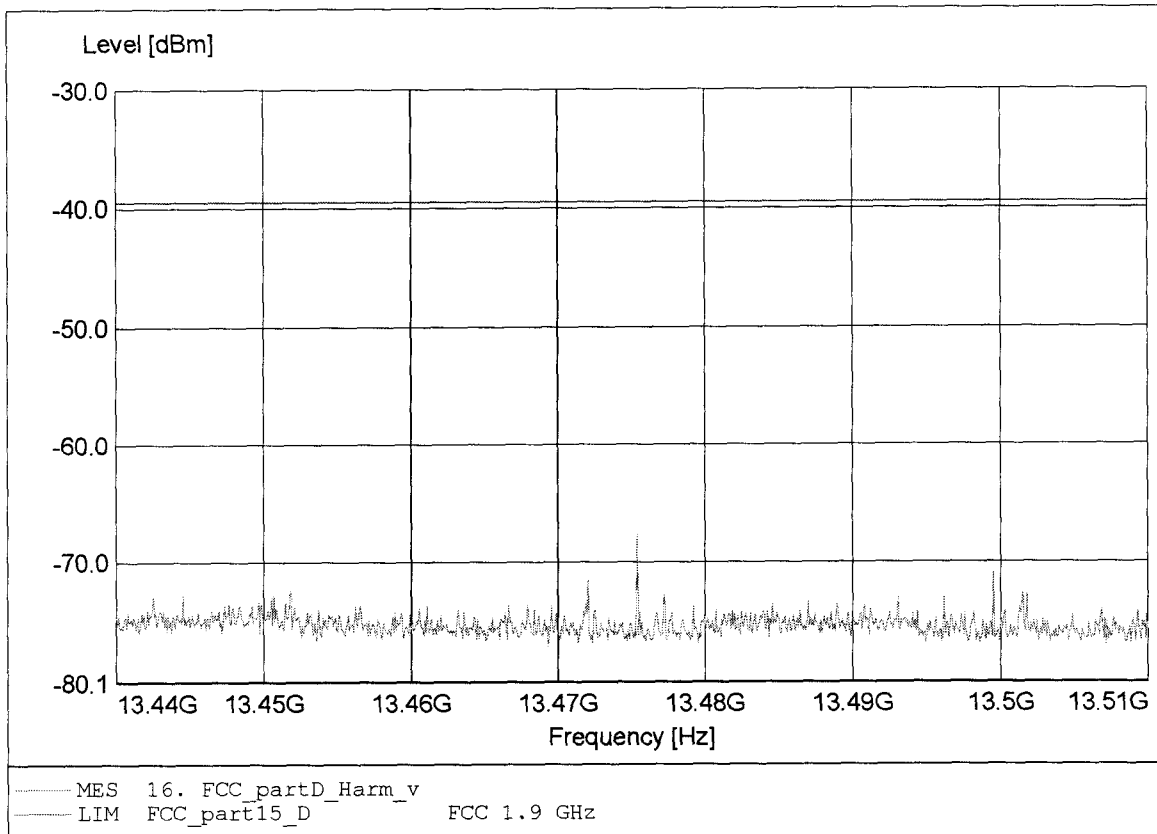
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:11.552GHz Pmax:-42.12dBm RBW:10 kHz



Spurious emissions under normal conditions

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

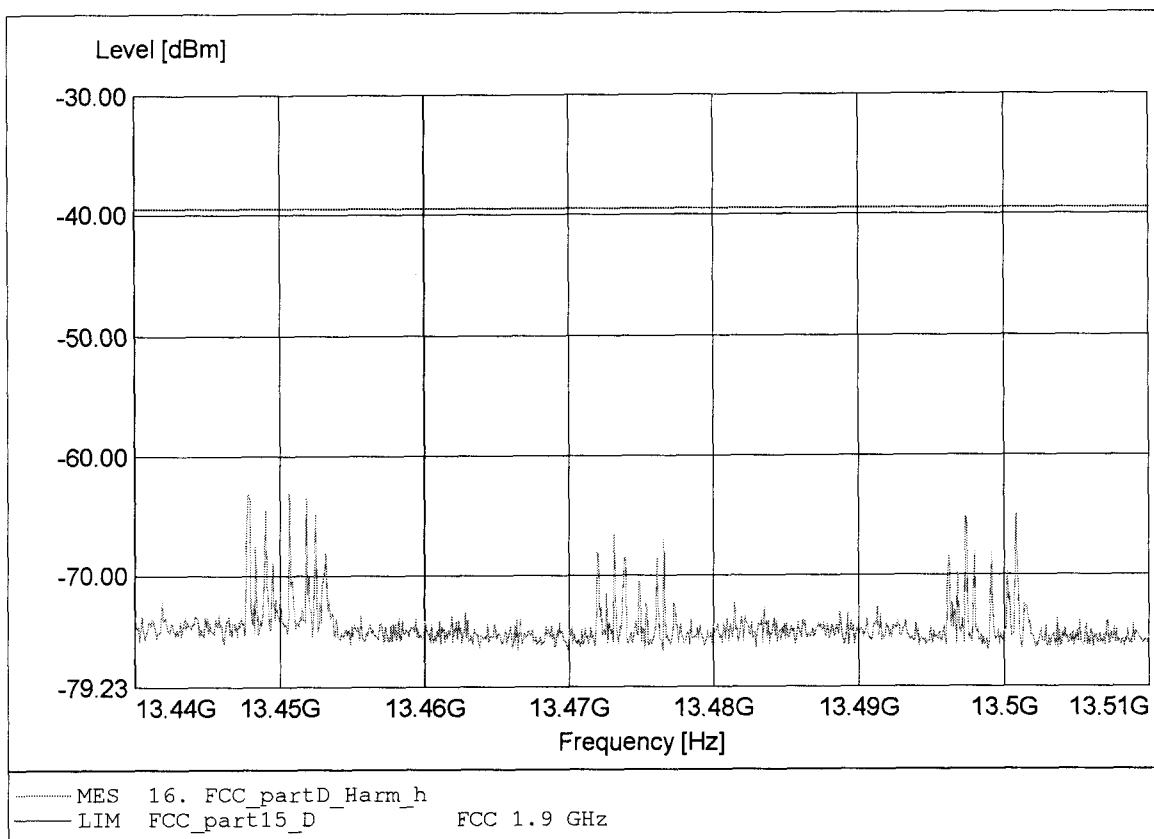
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.475GHz Pmax:-67.58dBm RBW:10 kHz



Spurious emissions under normal conditions

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

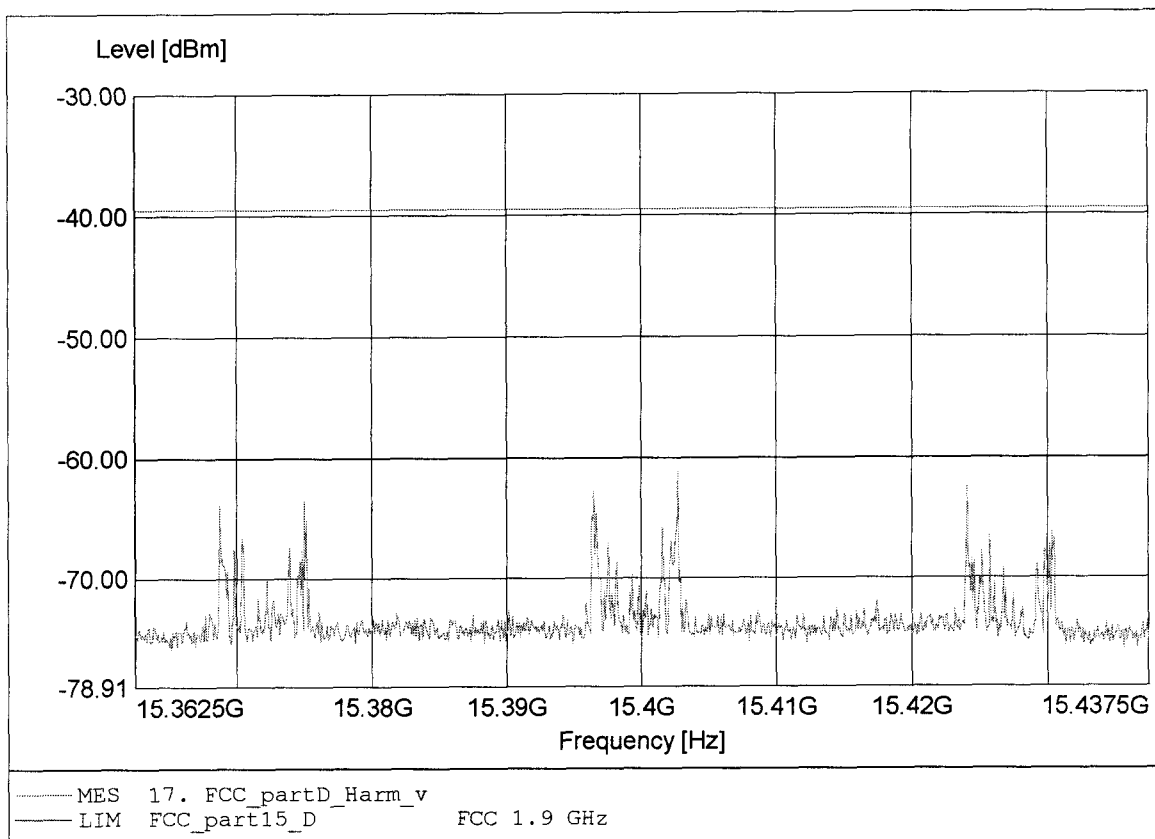
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:13.451GHz Pmax:-63.10dBm RBW:10 kHz



Spurious emissions under normal conditions

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

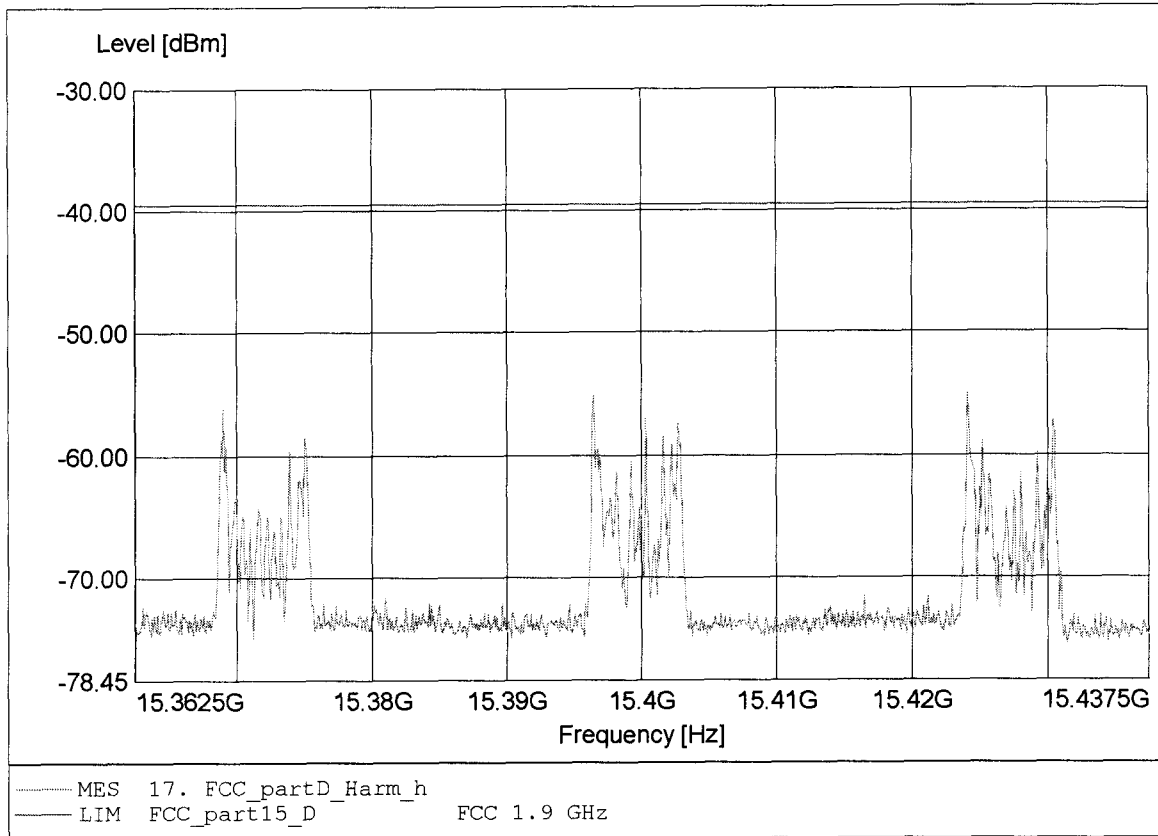
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.403GHz Pmax:-61.12dBm RBW:10 kHz



Spurious emissions under normal conditions

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

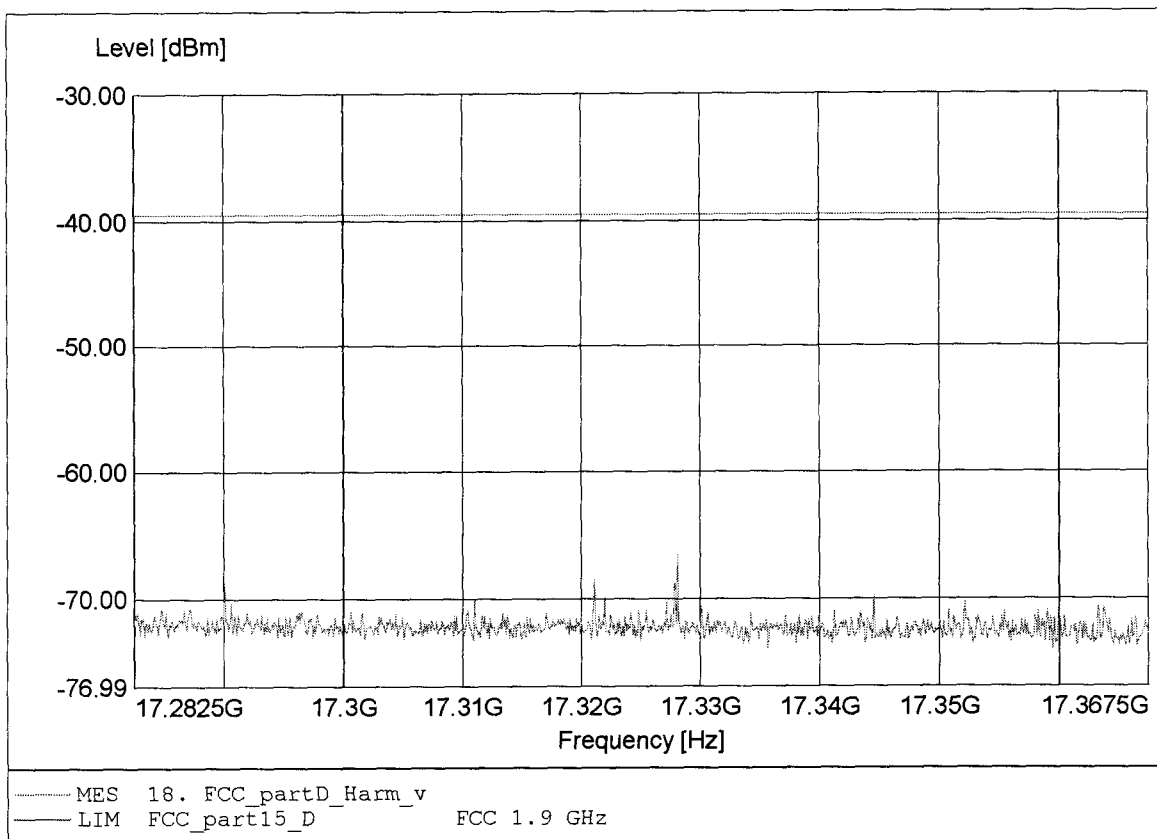
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cerovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:15.424GHz Pmax:-54.94dBm RBW:10 kHz



Spurious emissions under normal conditions

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

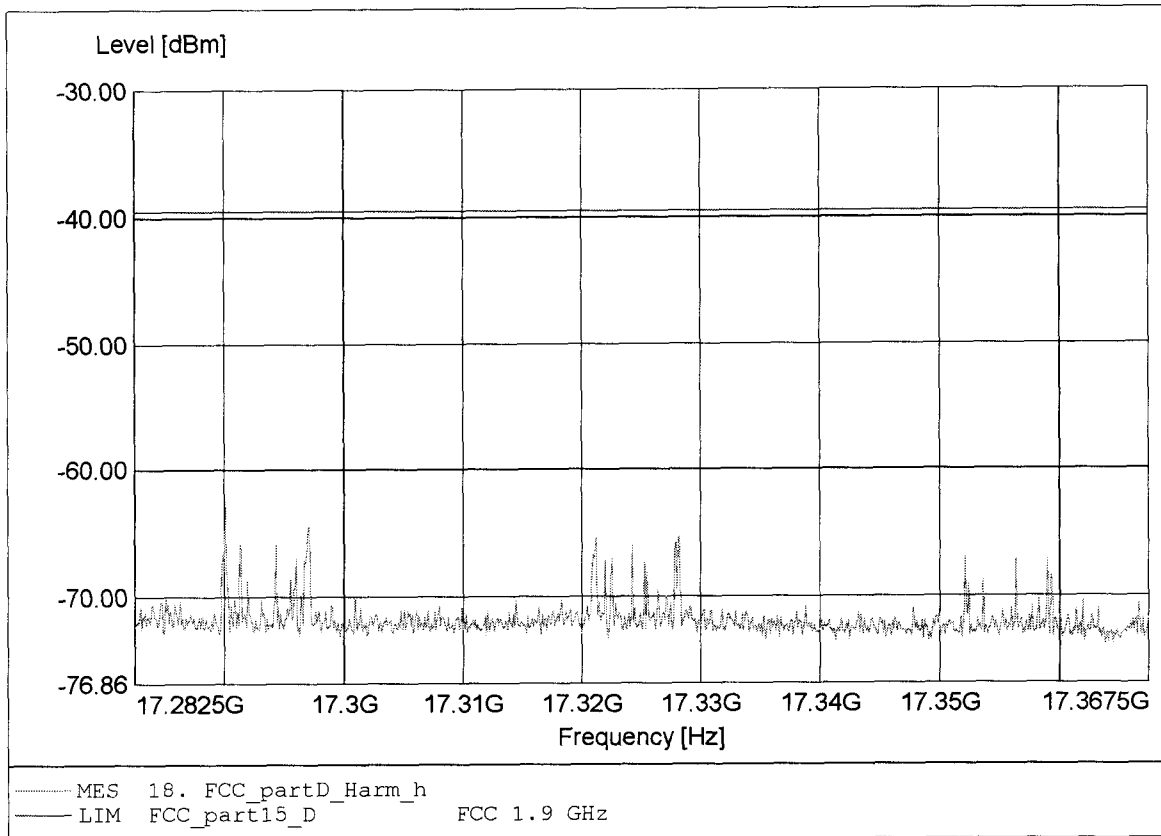
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.328GHz Pmax:-66.47dBm RBW:10 kHz



Spurious emissions under normal conditions

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

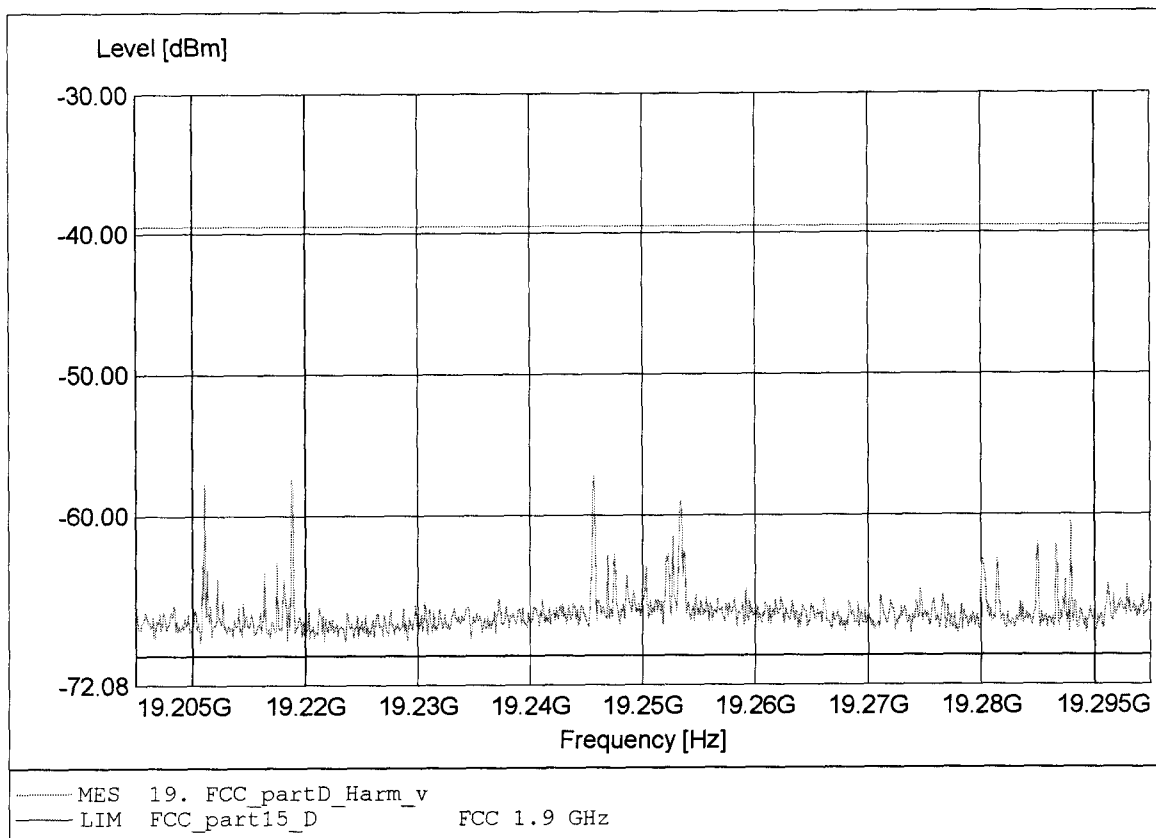
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:17.290GHz Pmax:-62.53dBm RBW:10 kHz



Spurious emissions under normal conditions

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

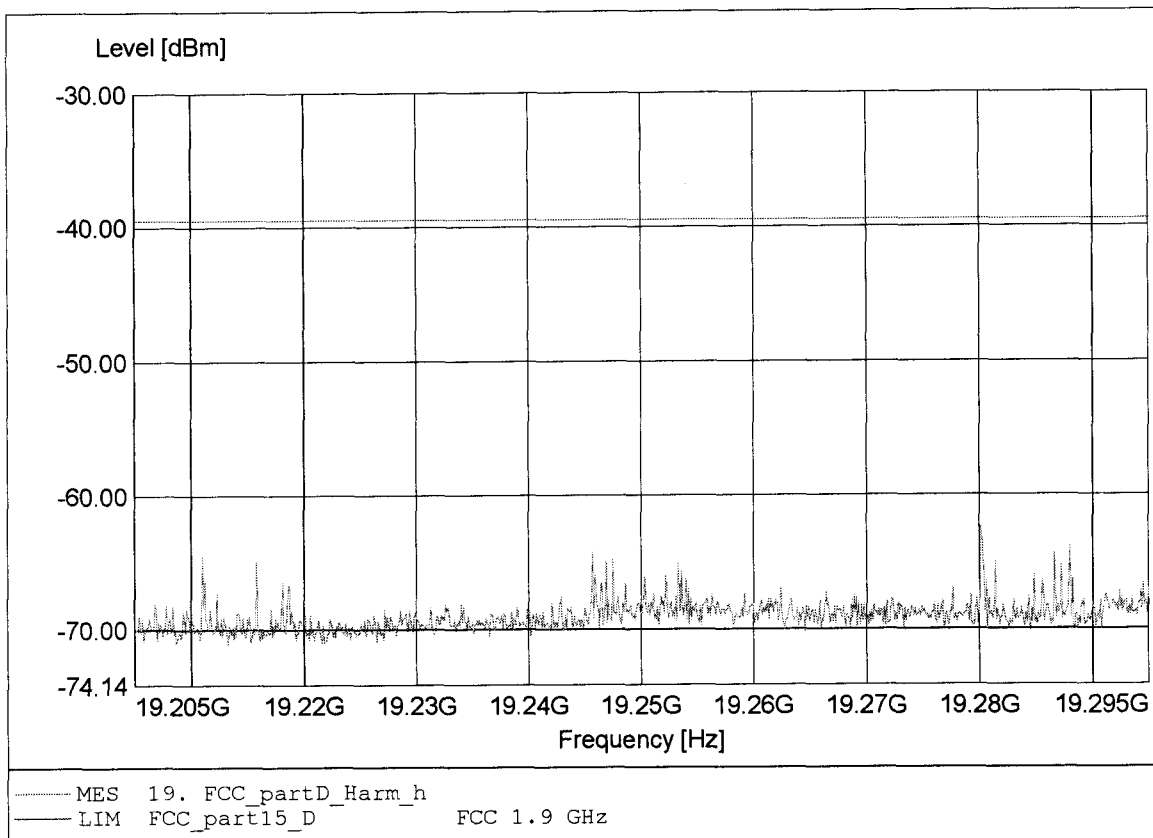
Type approval holder: LAKE Communications Ltd
EUT / Model: Sigma Connection Central / 59230-5500
antenna / Ch: 2 / 0; 2; 4;
Test Site / Operator: ETS / Mr. Cersovsky
Temperature/ Voltage: 23°C / 110 V~ (AC/DC adapter)
Test Specification: Fully anechoic chamber / mode: Tx
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.
Comment 2: Freq:19.246GHz Pmax:-57.17dBm 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: 2 / 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:19.280GHz Pmax:-62.39dBm RBW:10 kHz



Appendix T

Frame period



FCC Part 15.323(e.4) Frame Period and jitter

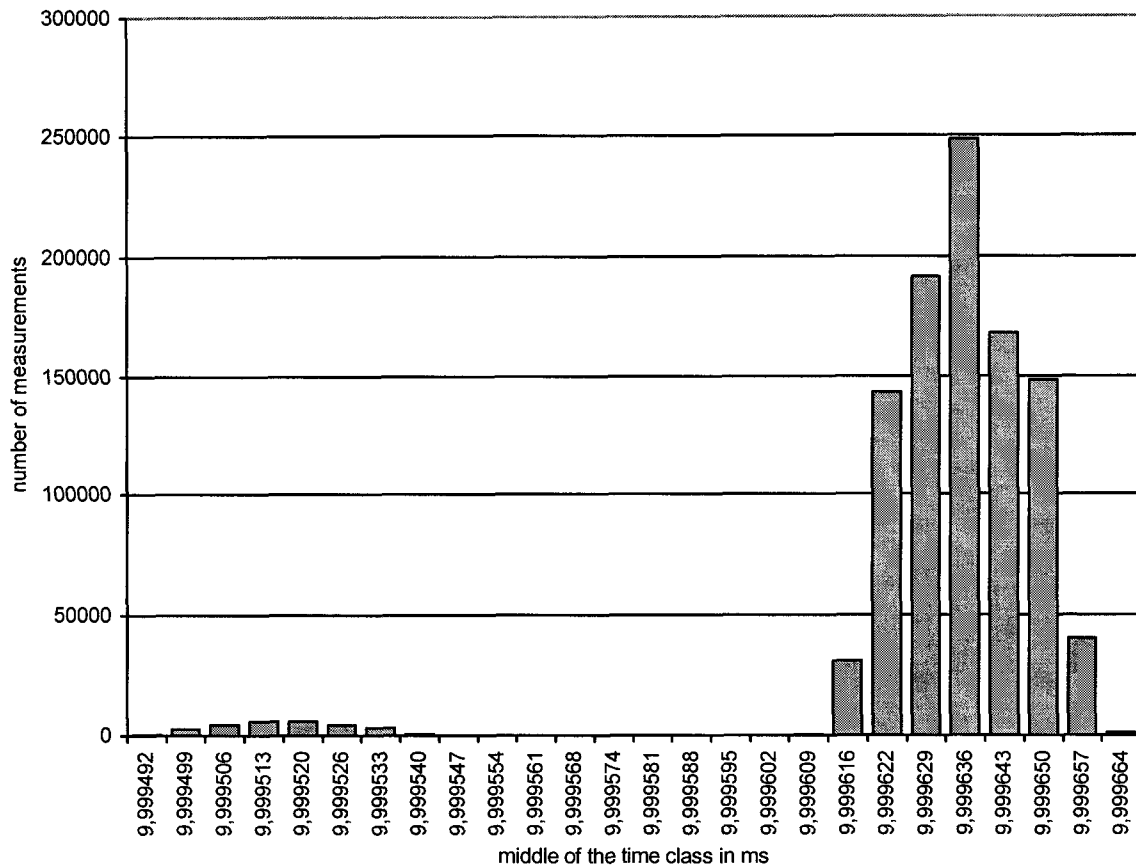
Testprocedure ANSI 63.17-1998 6.2.4

UCPS

EUT	Sigma / Connection Central
Model	5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.4 Frame Period and jitter

Width of the time class	0,0068545 μ s
Mean	9,9996329 ms
Deviation	2,1939579E-05
Max-Min	0,1713633 μ s
Test result	Verdict = PASS

Histogram



Measurement diagram

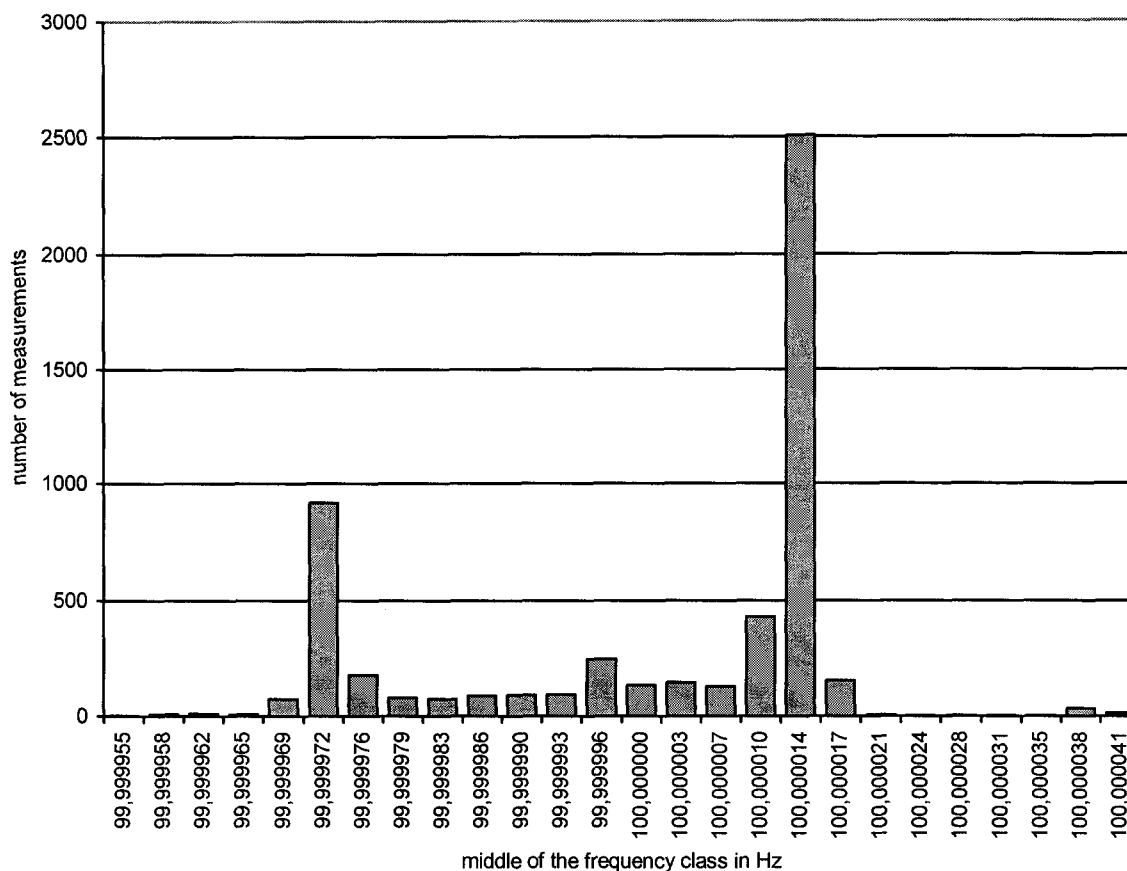
FCC Part 15.323(e.1) Frame repetition

Testprocedure ANSI 63.17-1998 6.2.3 UCPS

EUT	Sigma / Connection Central
Model	5923-05500
Applicant	LAKE Communications Ltd.
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.3 Frame repetition

Width of the frequency class	3,459567E-06 Hz
Mean	100,000009 Hz
Deviation	1,7533787E-05
3*Deviation in ppm	0,5260136 ppm
Test result	Verdict = PASS

Histogram



Measurement diagram

Appendix U

Frequency stability



Frequency Stability § 15.323 (f)

Tested according ANSI C63.17-1998 Section 6.2.3 / 6.2.4

Measurement results Fixed Part

Temp °C	Supply Voltage	Frequency of carrier (MHz)	delta f(min) (KHz)	delta f(max) (KHz)	maximum delta f (ppm)	Mean (MHz)	Deviation ppm
20	Vnom	1924,992	-33,01	-23,276	-17,15	1924,964102	Reference
20	Vmin	1924,992	-31,983	-23,394	-4,00	1924,963928	0,09
20	Vmax	1924,992	-31,912	-23,626	-16,58	1924,963863	0,12
0	Vnom	1924,992	-30,155	-16,921	-15,67	1924,967872	-1,96
45	Vnom	1924,992	-31,384	-21,165	-16,30	1924,965006	-0,47

Limit : 10 ppm

$$Deviation\ ppm = \frac{FR - FM}{FR} * 10^6$$

FR = Reference frequency of carrier at 20°C and Vnom

FM = Measured frequency of carrier

