

Annex 1: Measurement diagrams to
TEST REPORT
No.: 2-20773496b/09

According to:
FCC Regulations
Part 22 & Part 24 & Part 15.209C
IC Regulations
RSS-132e
RSS-133e

for
IREX Technologies

E-Reader with integrated
Option Wireless PCI Express Mini Card DR800SG
contains FCC ID: NCMOMO0491-I
contains IC ID: 2734A-MO0491

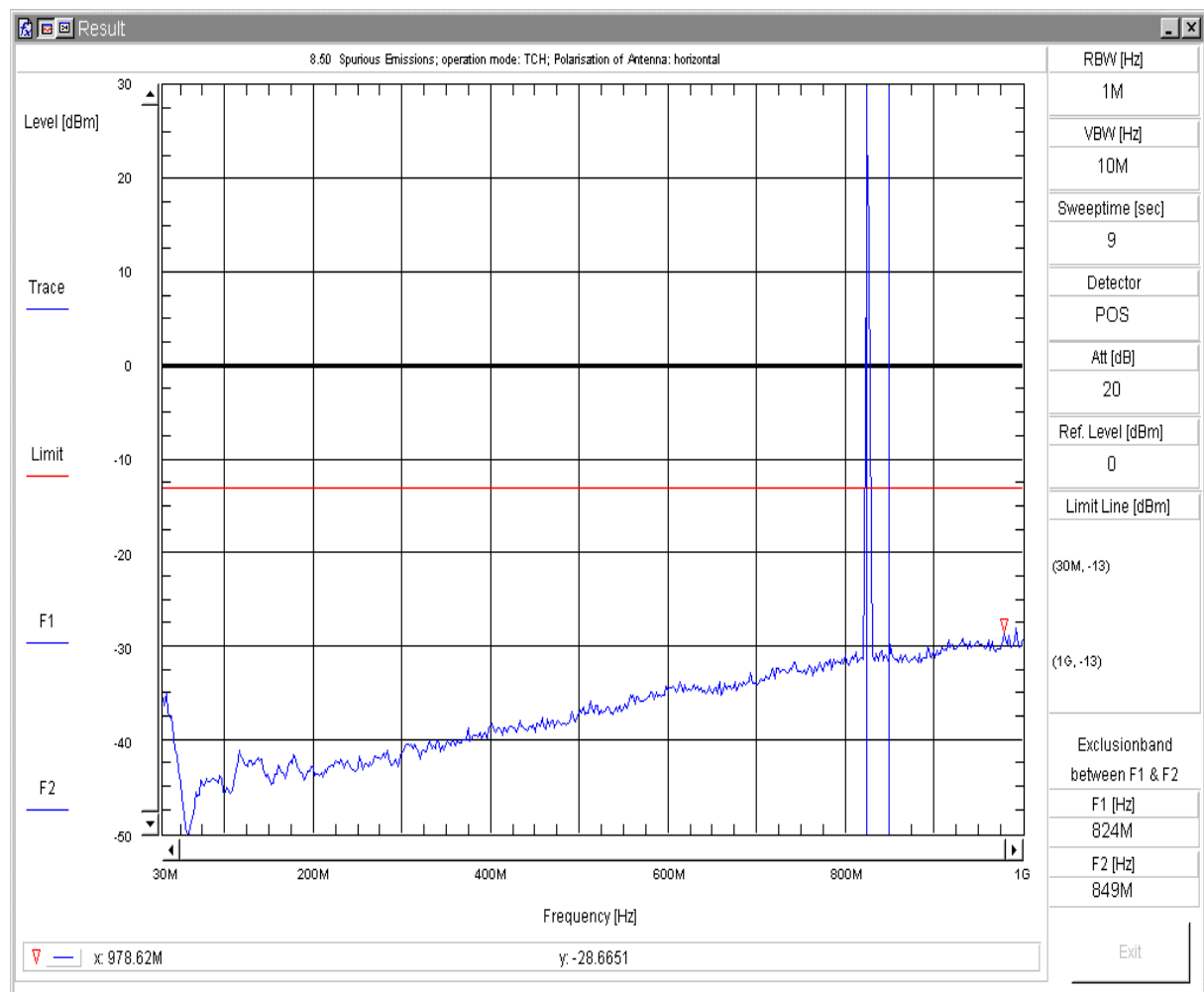
Laboratory Accreditation and Listings			
 Deutscher Akkreditierungs Rat DAT-P176/94-02	 FEDERAL COMMUNICATIONS COMMISSION Reg. No.: 99538 MRA US-EU 0003	 Industry Canada Reg. No.: 3462D-1 3462D-2	 Reg. No.: R-2665, R-2666 C-2914, T-339
accredited according to DIN EN ISO/IEC 17025			
CETECOM GmbH Laboratory Radio Communications & Electromagnetic Compatibility Im Teelbruch 116 • 45219 Essen • Germany Registered in Essen, Germany, Reg. No.: HRB Essen 8984 Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964 E-mail: info@cetecom.de • Internet: www.cetecom.com			

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1. Measurement diagrams

1.1. Spurious emissions radiated – GSM850 Mode

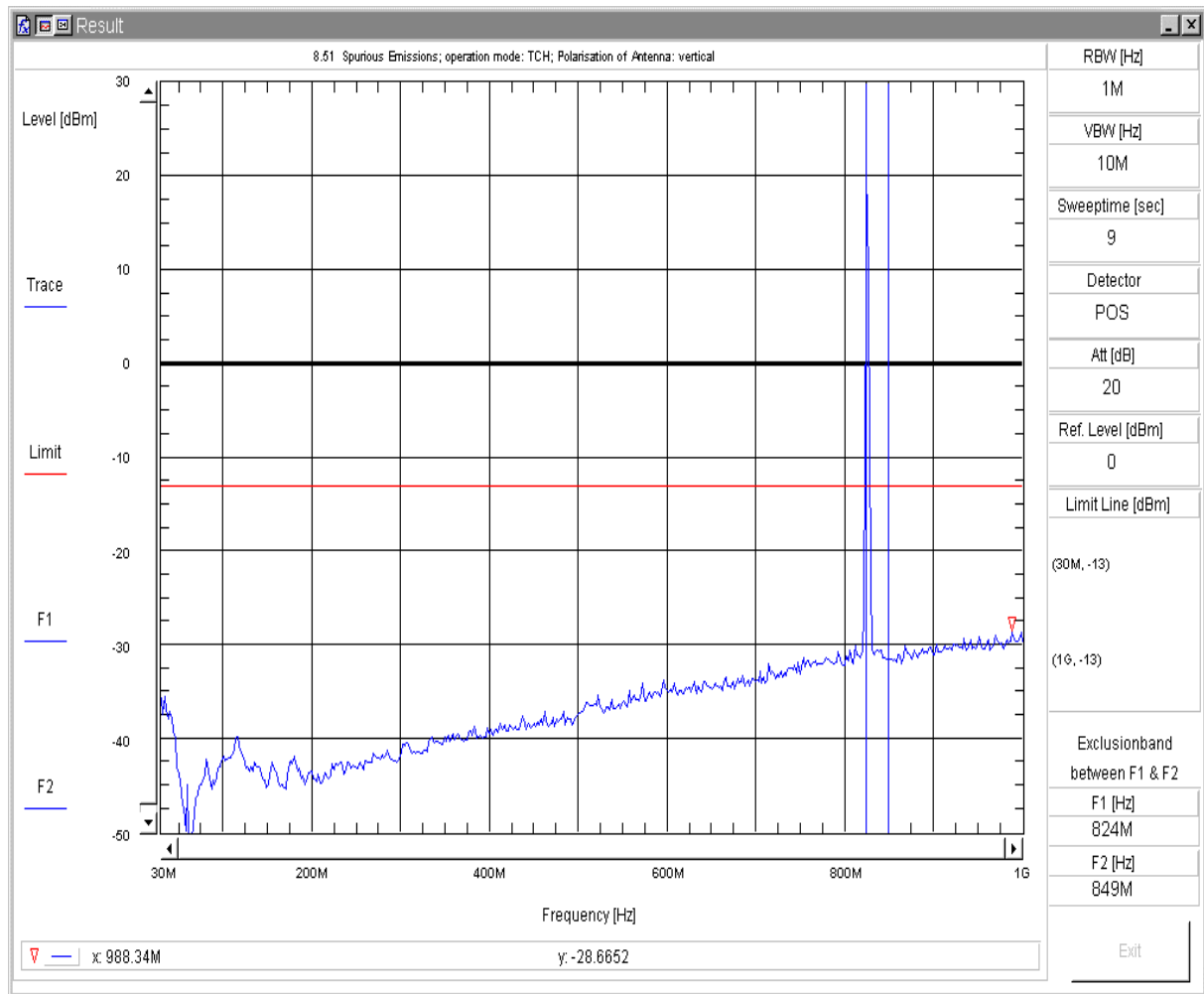


8.50 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep1
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: -
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 08:29:00ppp

Spurious Emissions V7.2.5

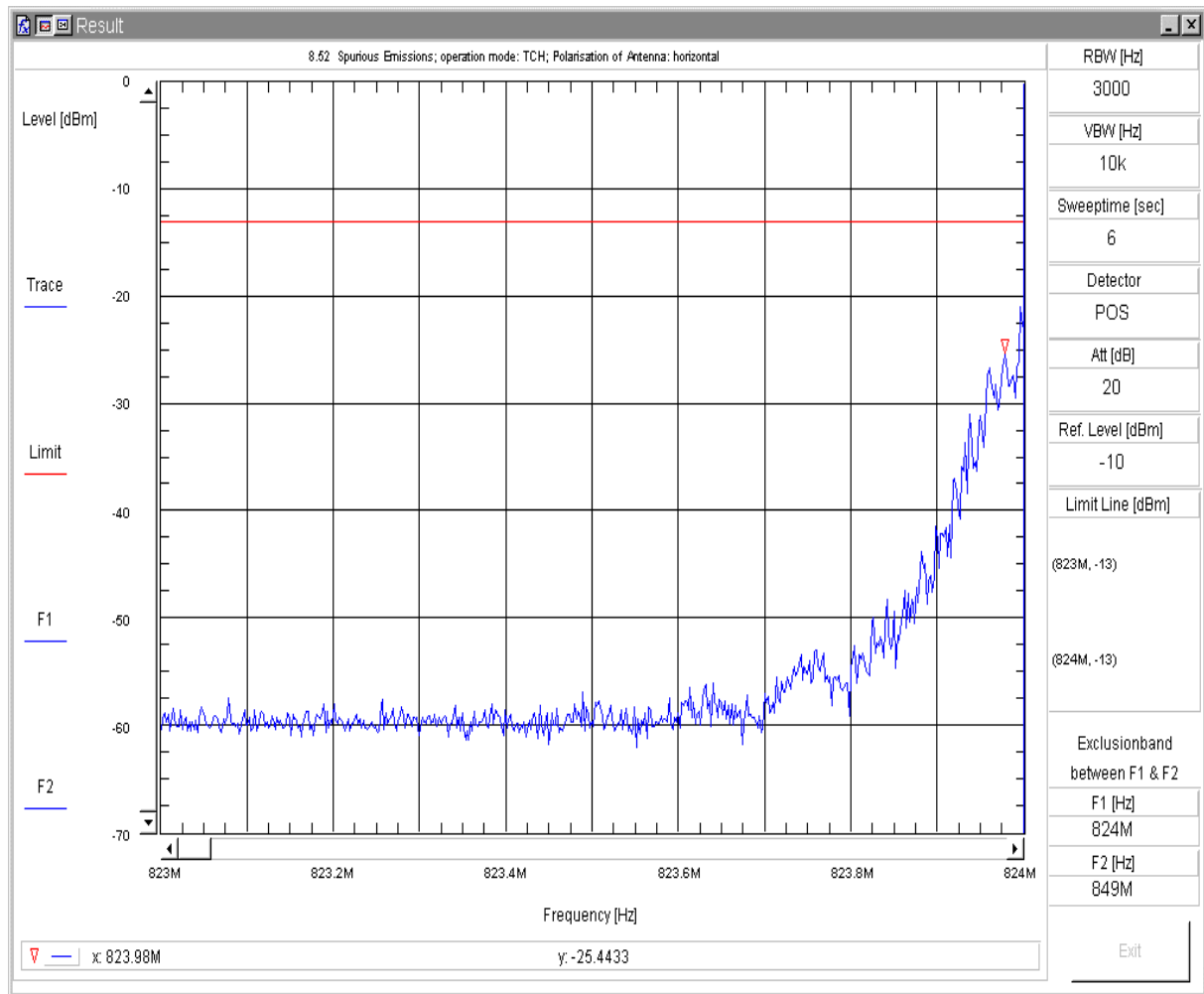


8.51 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_V
 Sweepnr: Sweep1
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 128
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 08:32:37pf

Spurious Emissions V7.2.5

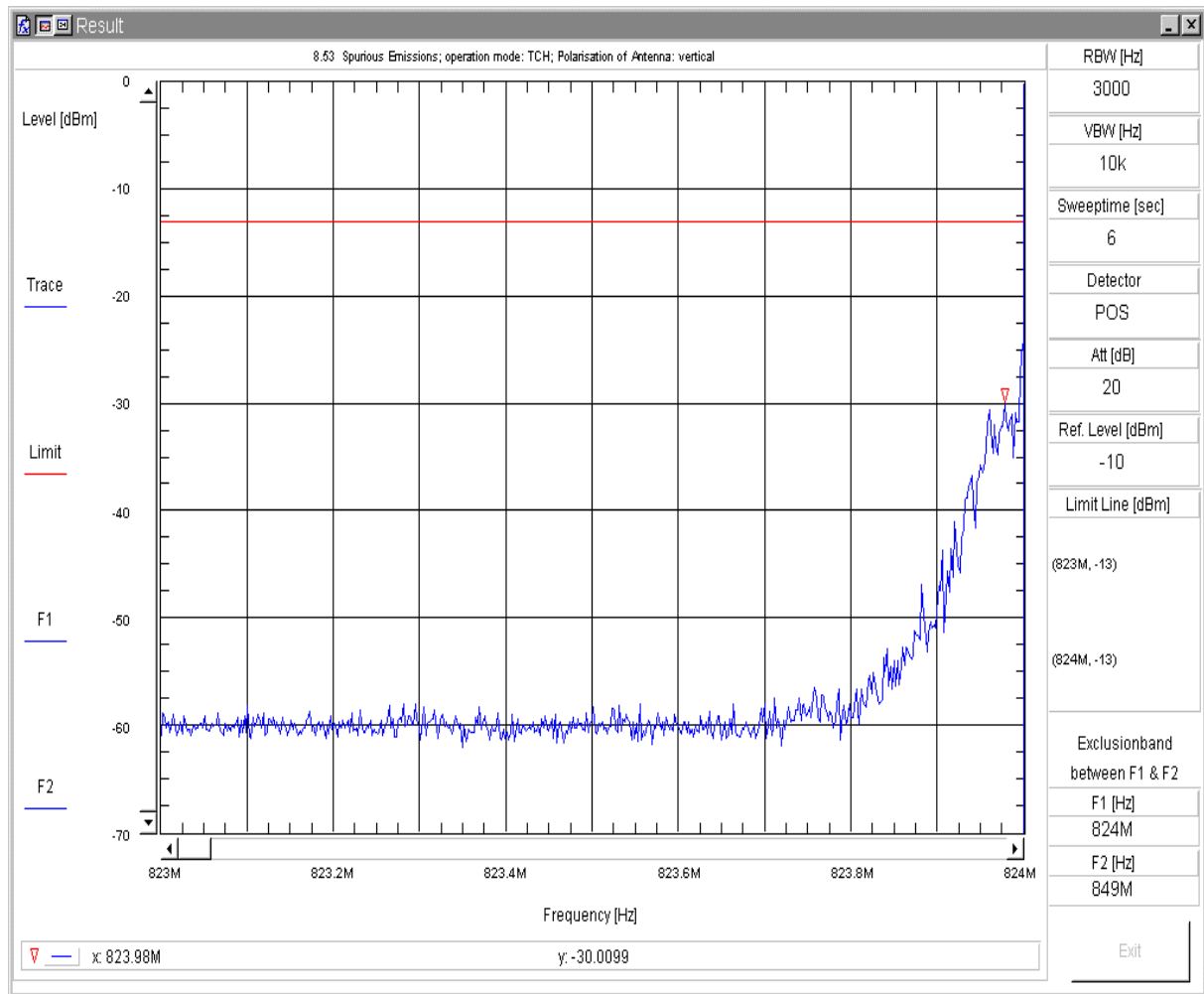


8.52 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep2
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 128
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 08:38:20ppf

Spurious Emissions V7.2.5

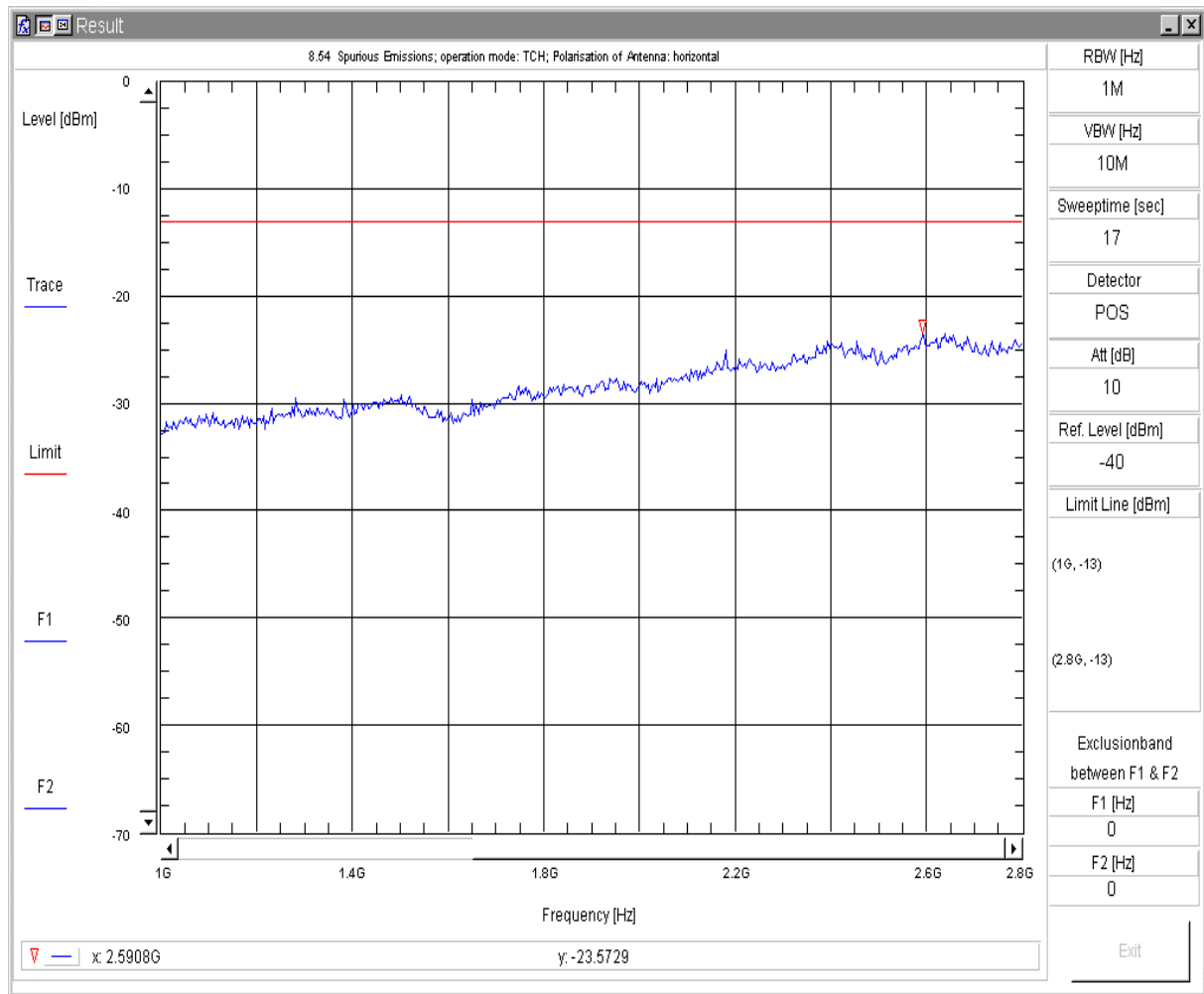


8.53 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_V
 Sweepnr: Sweep2
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 128
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 08:42:06fpf

Spurious Emissions V7.2.5

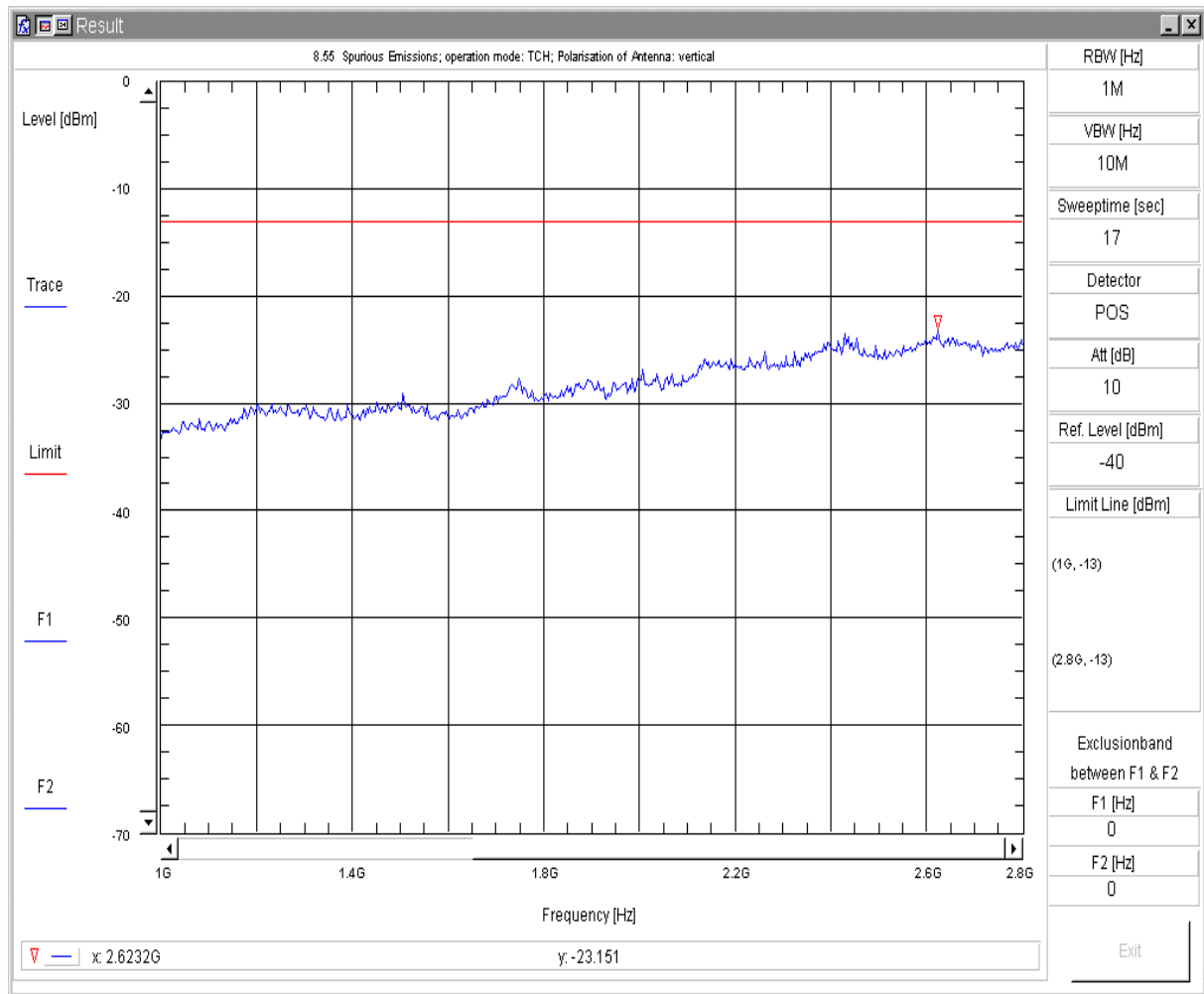


8.54 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep4
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 128
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 08:46:45fp

Spurious Emissions V7.2.5

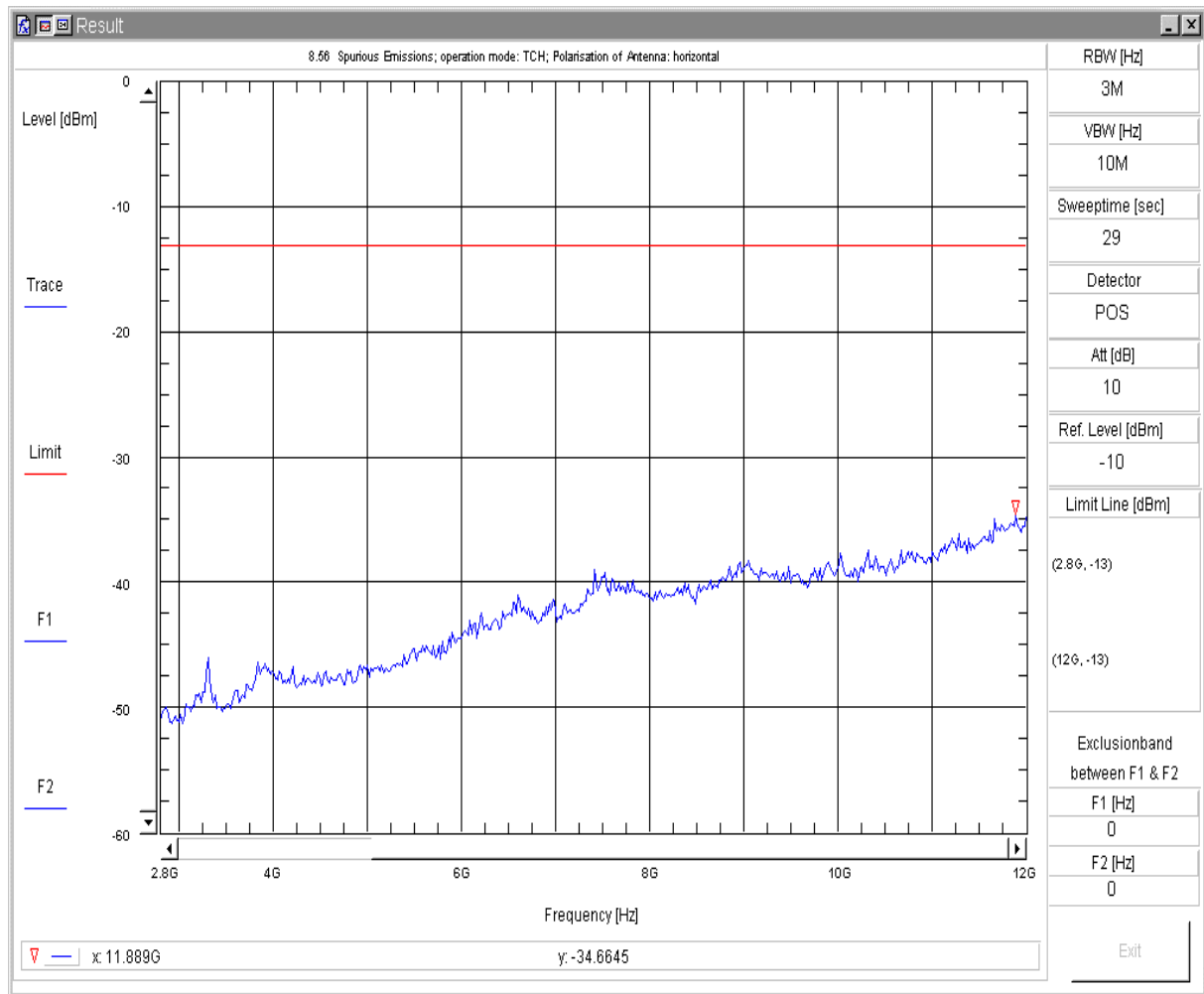


8.55 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_V
 Sweepnr: Sweep4
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 128
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 08:56:59fp

Spurious Emissions V7.2.5

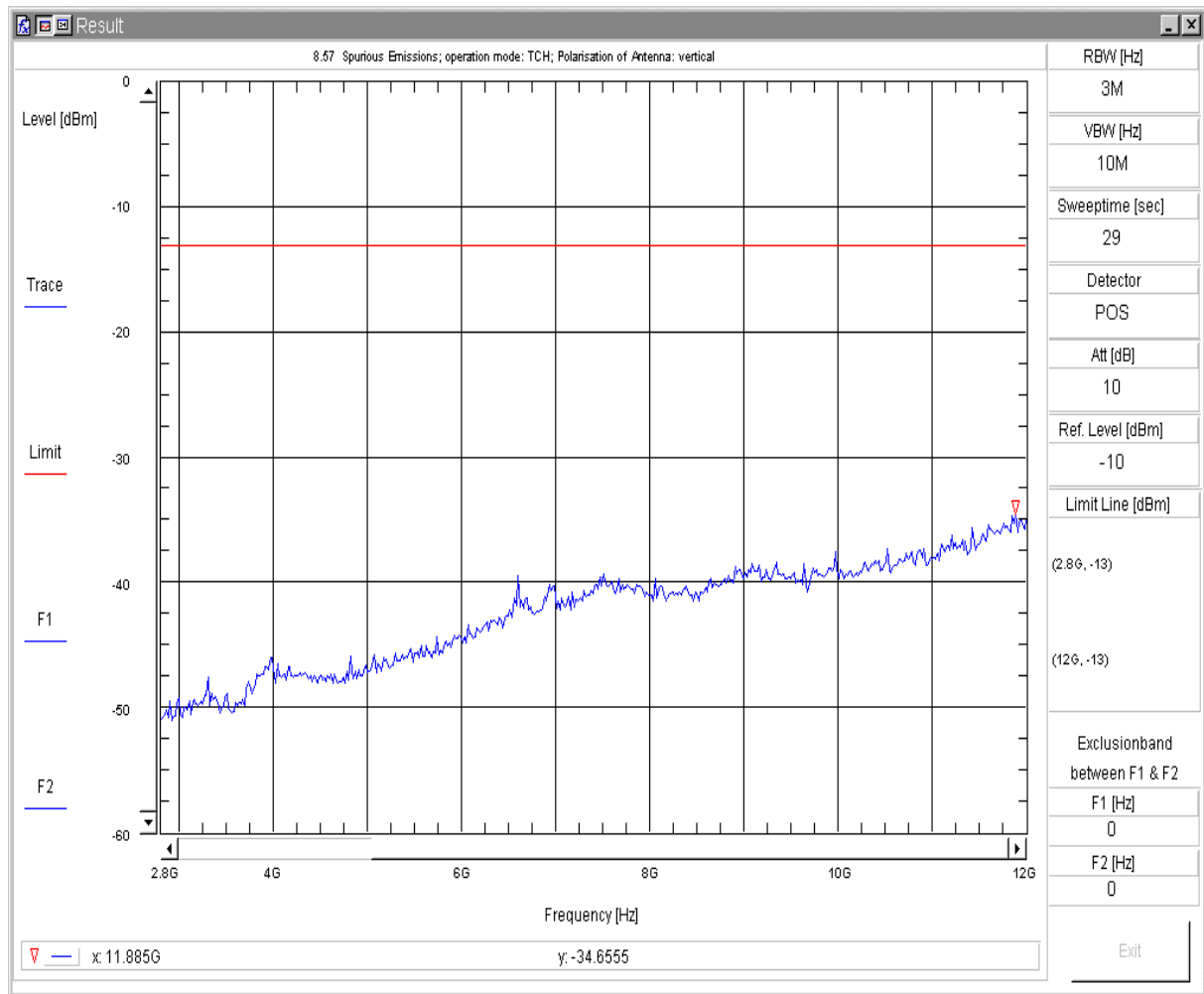


8.56 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep5
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 128
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 09:04:25ff

Spurious Emissions V7.2.5

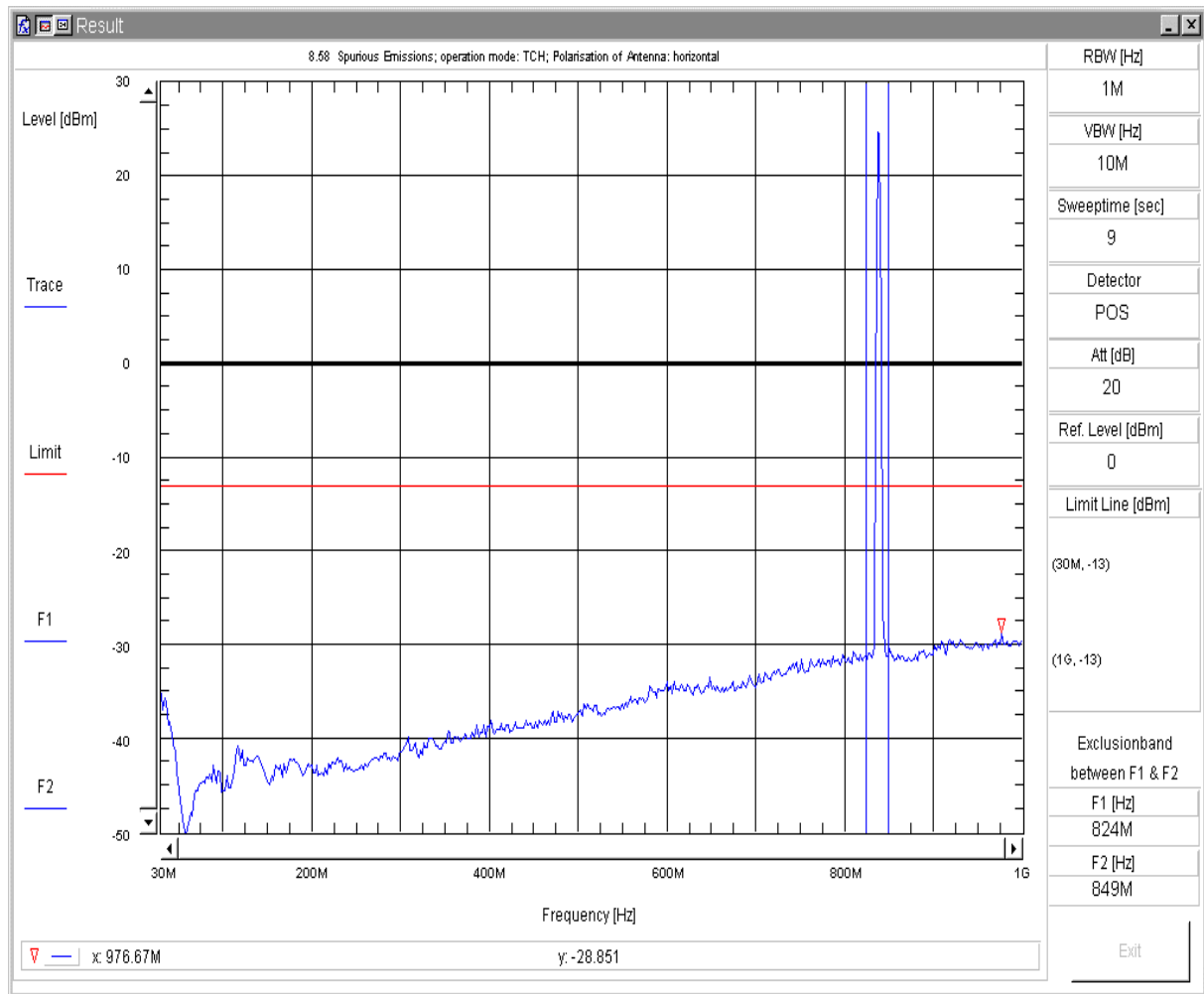


8.57 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_V
 Sweepnr: Sweep5
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 128
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 09:14:35pp

Spurious Emissions V7.2.5

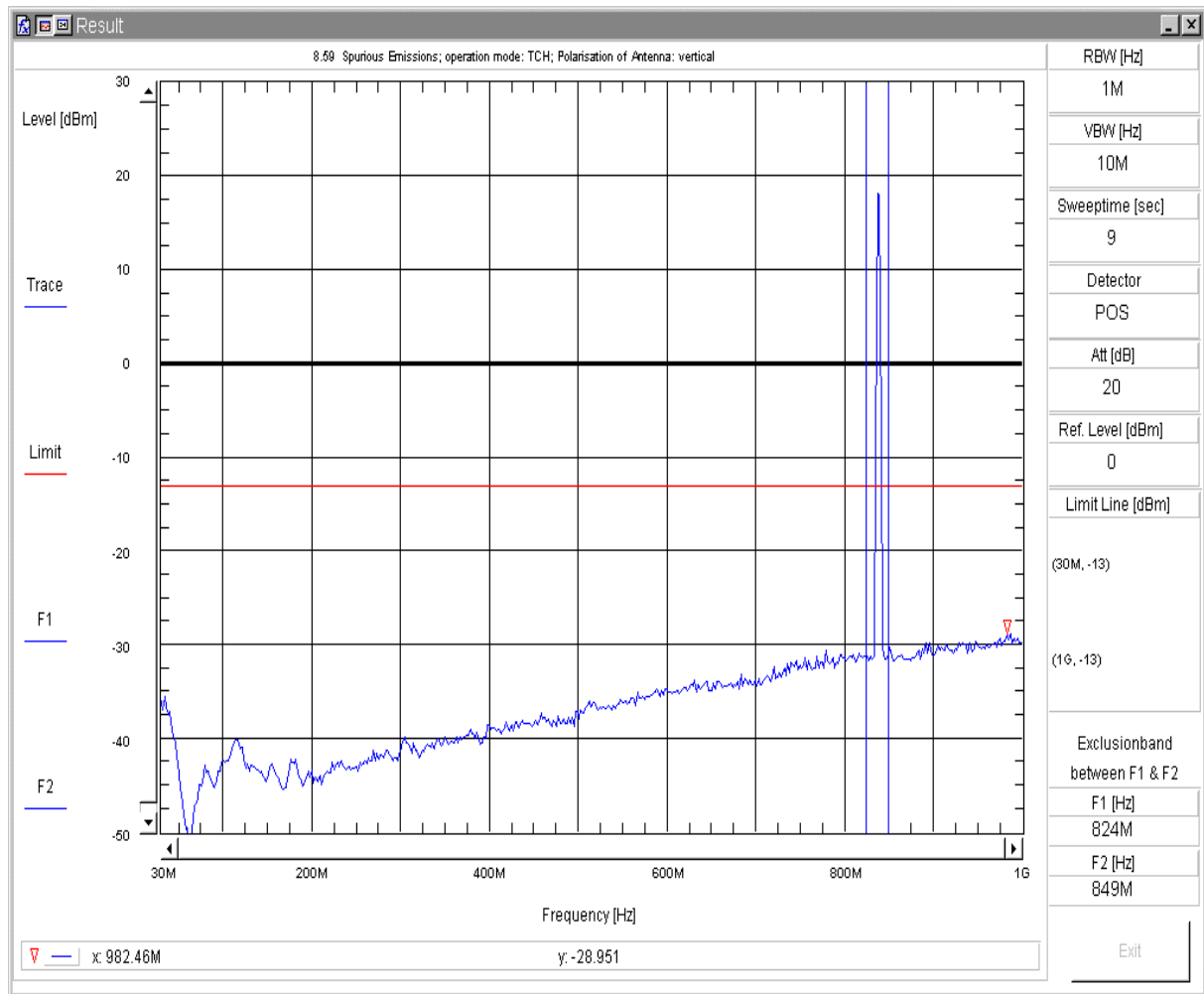


8.58 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep1
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 192
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 09:24:51ppp

Spurious Emissions V7.2.5

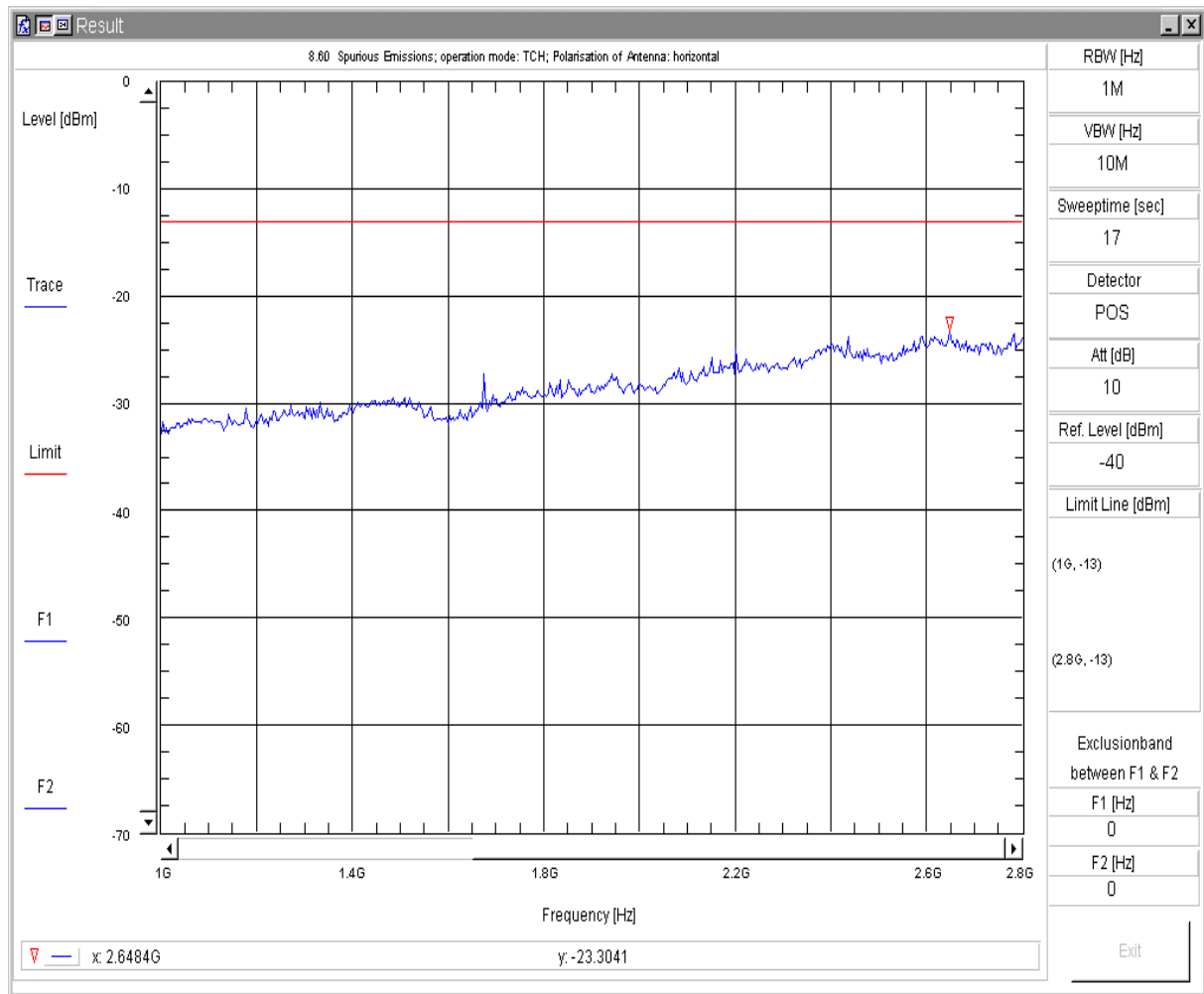


8.59 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_V
 Sweepnr: Sweep1
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 192
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 09:28:27fpf

Spurious Emissions V7.2.5

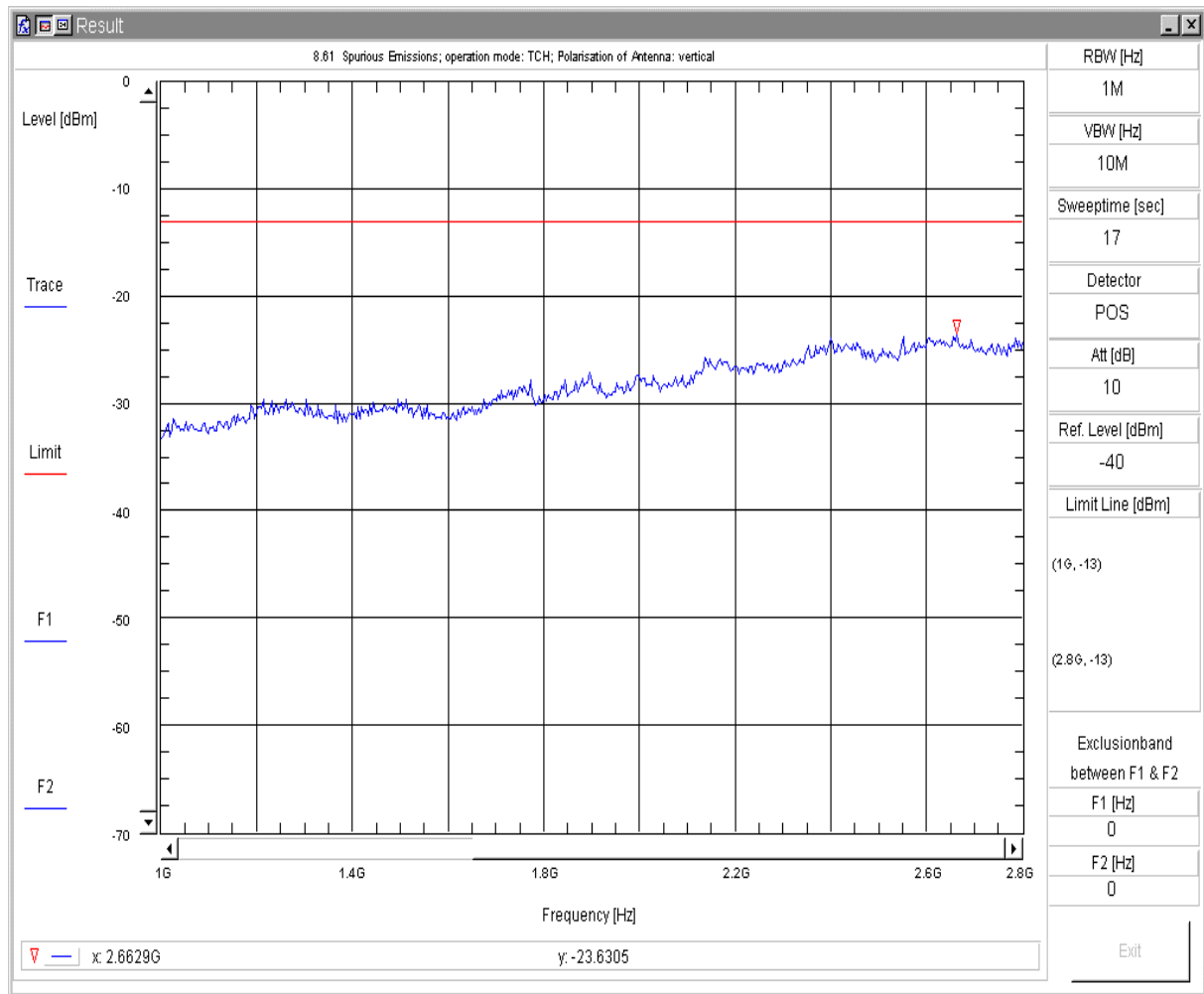


8.60 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep4
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 192
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 09:32:22fp

Spurious Emissions V7.2.5

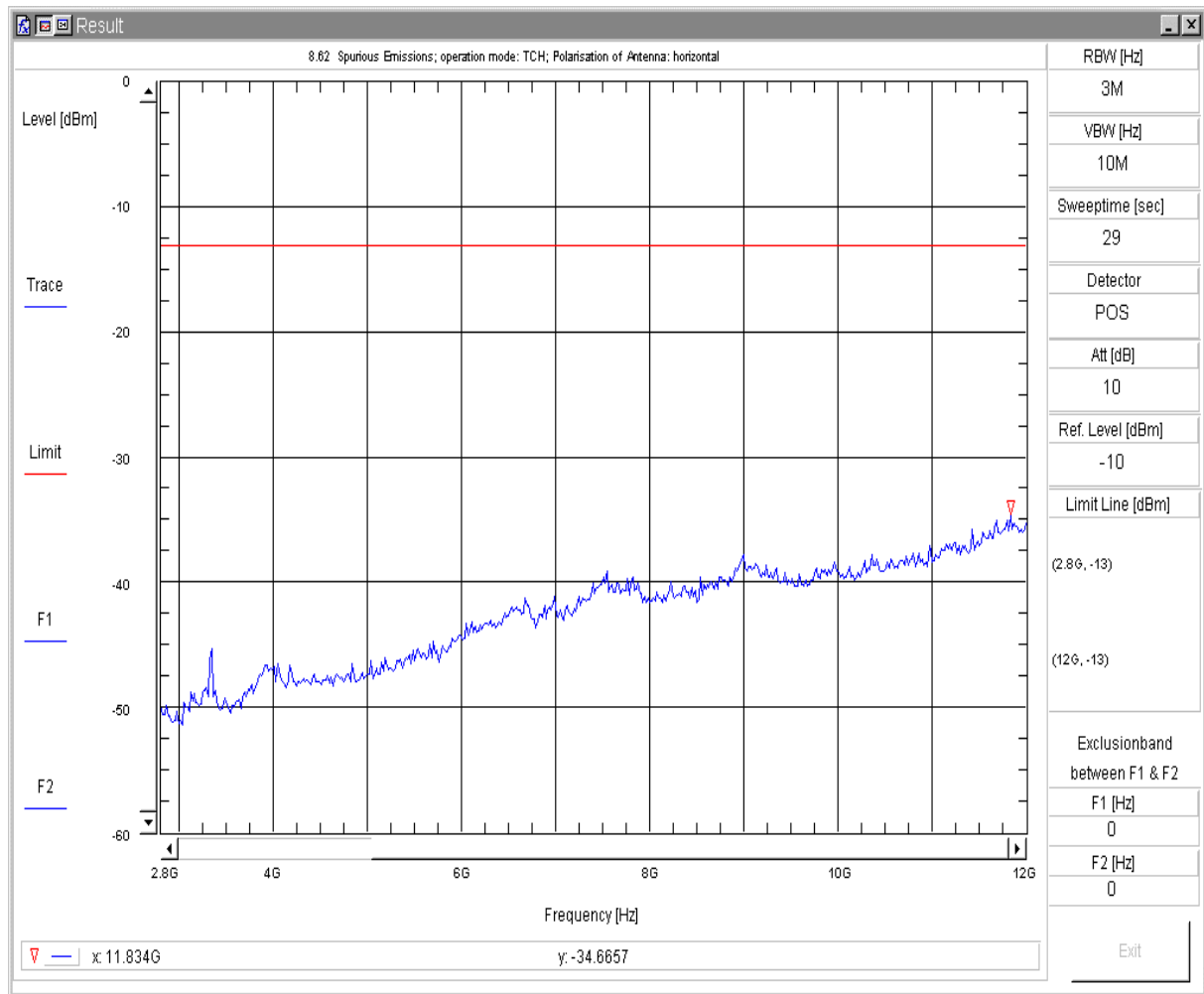


8.61 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_V
 Sweepnr: Sweep4
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 192
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 09:39:32fp

Spurious Emissions V7.2.5

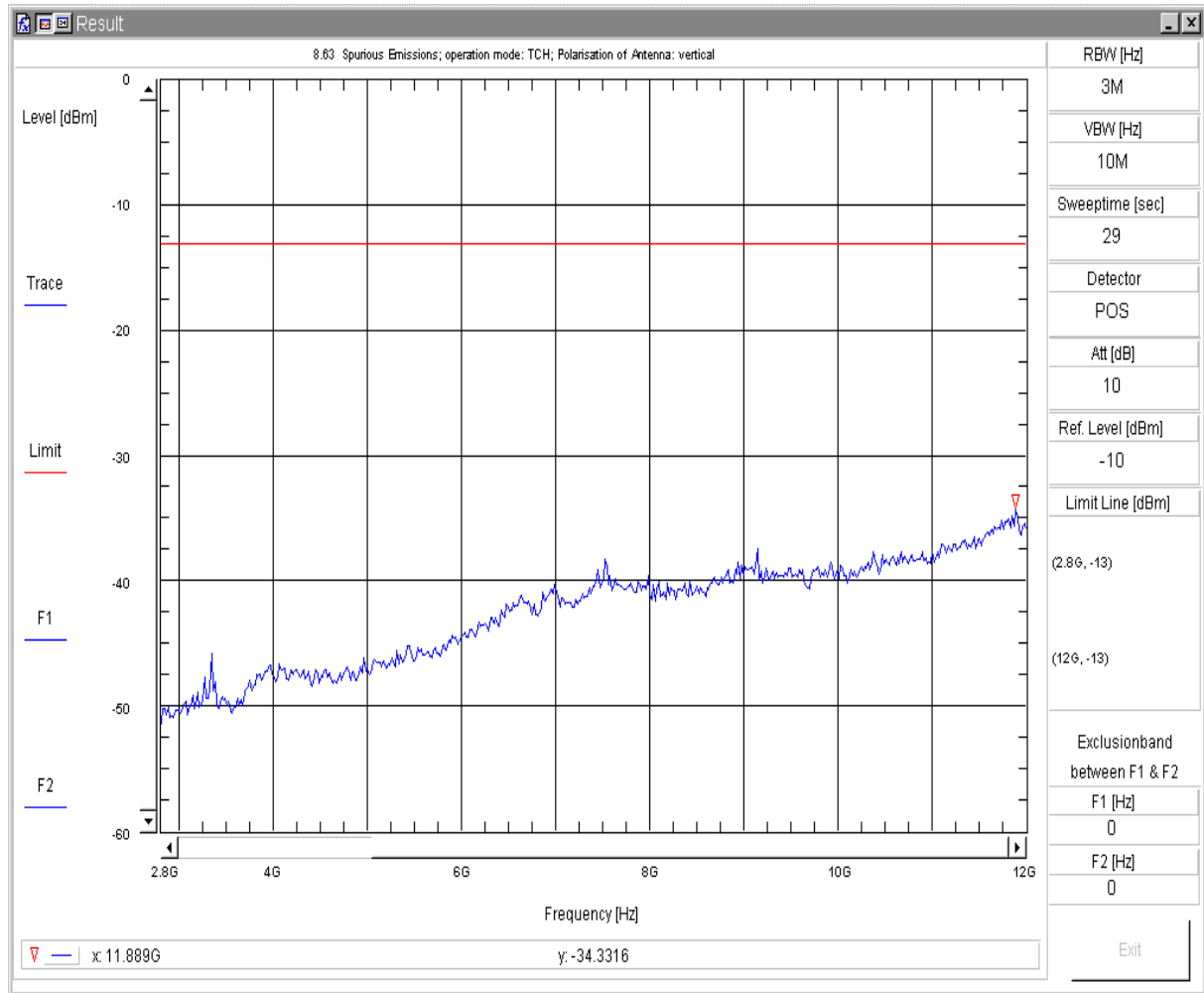


8.62 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep5
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 192
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 09:46:32fp

Spurious Emissions V7.2.5

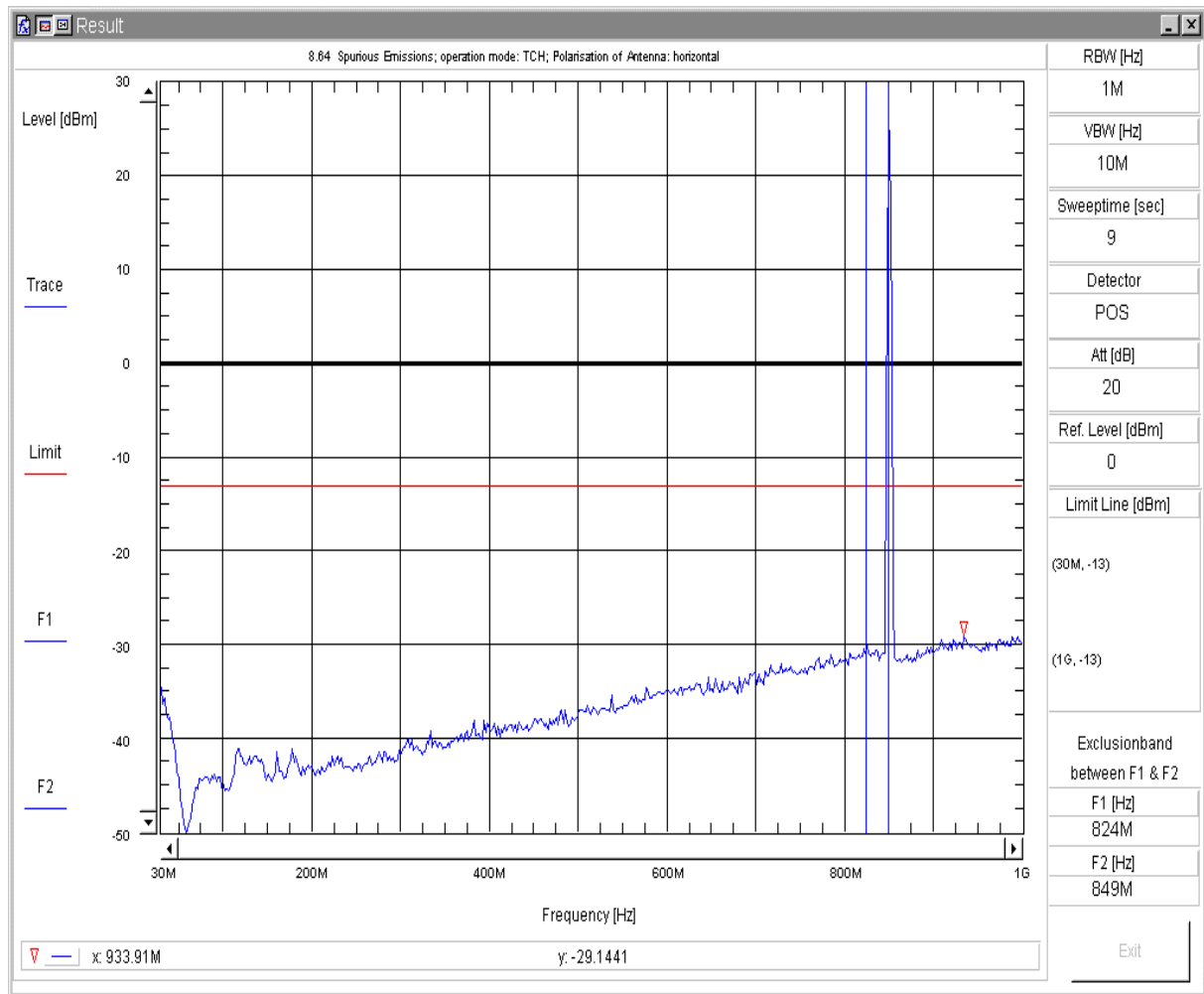


8.63 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_V
 Sweepnr: Sweep5
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 192
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 09:56:25pp

Spurious Emissions V7.2.5

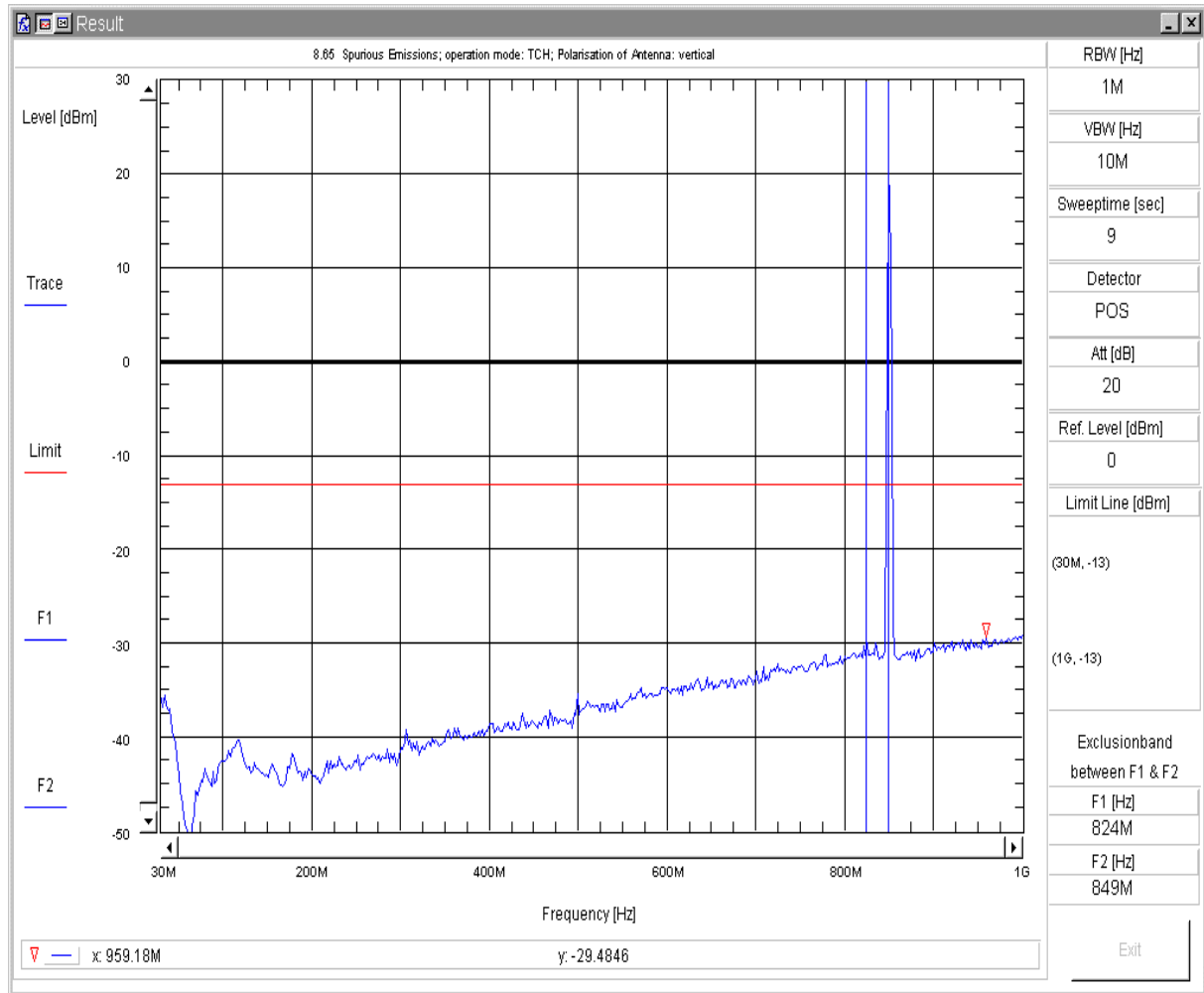


8.64 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep1
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 251
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 10:06:35ppp

Spurious Emissions V7.2.5

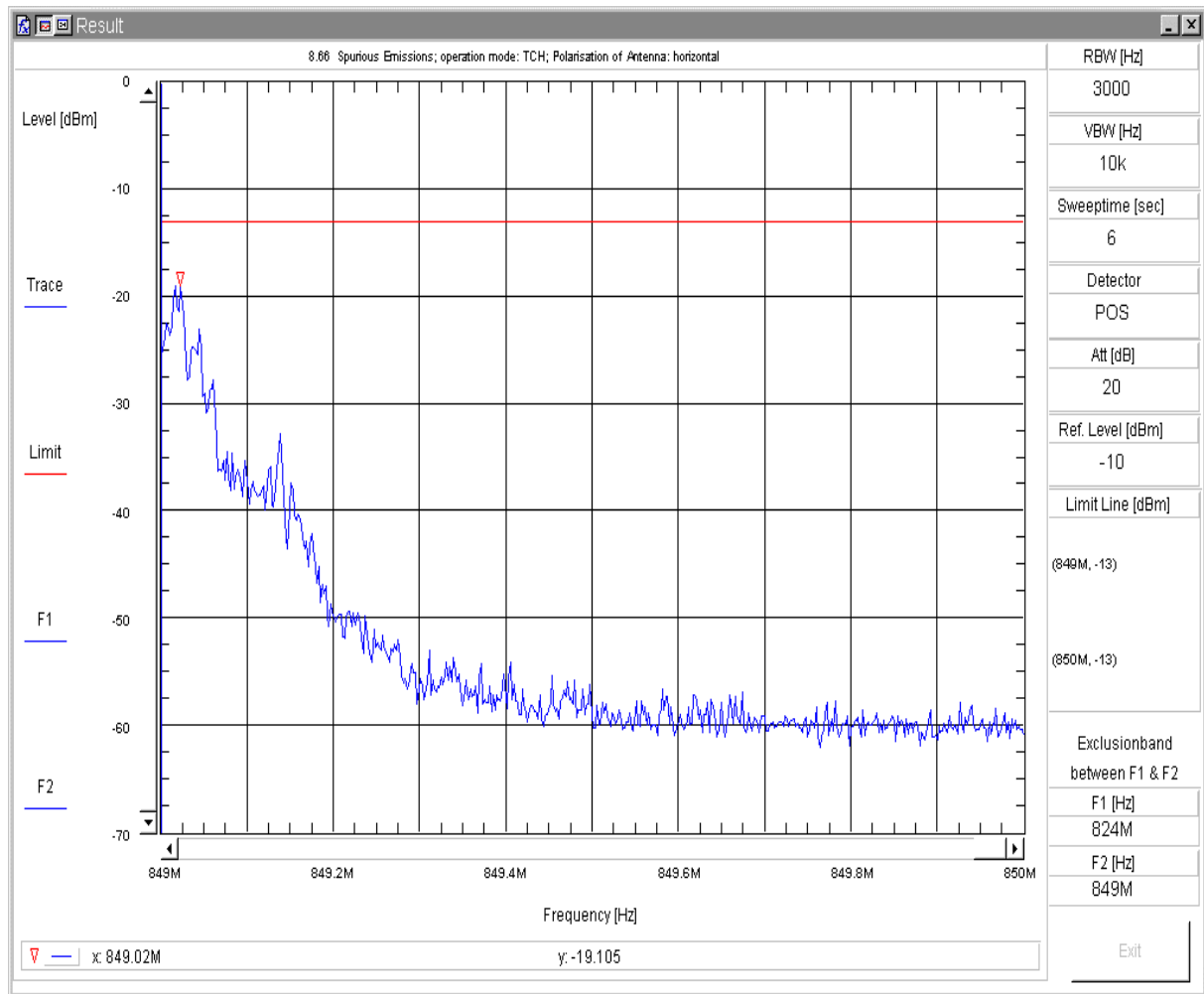


8.65 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_V
 Sweepnr: Sweep1
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikrocable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 251
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 10:11:02fpf

Spurious Emissions V7.2.5

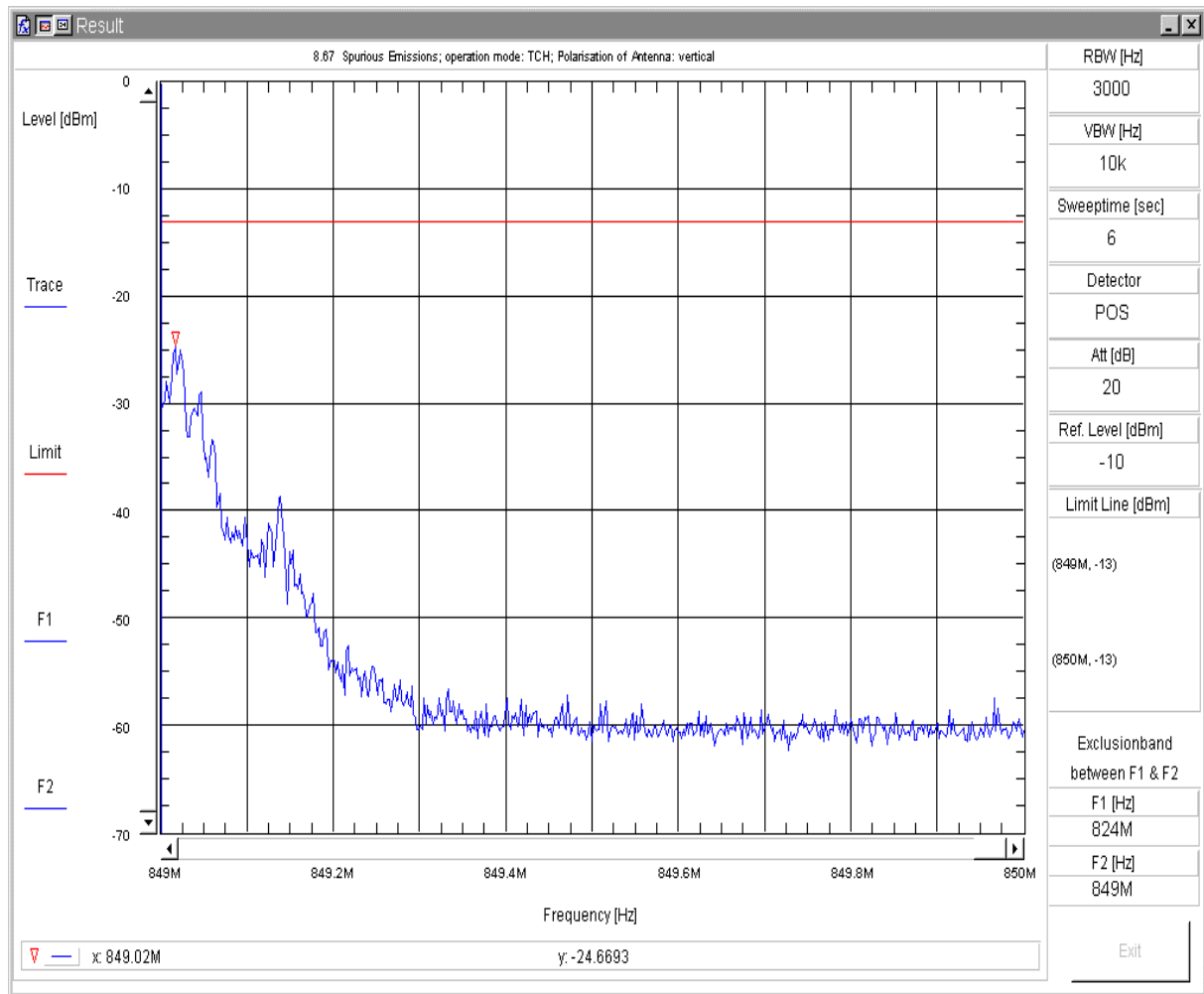


8.66 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep3
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 251
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 10:15:39ppp

Spurious Emissions V7.2.5

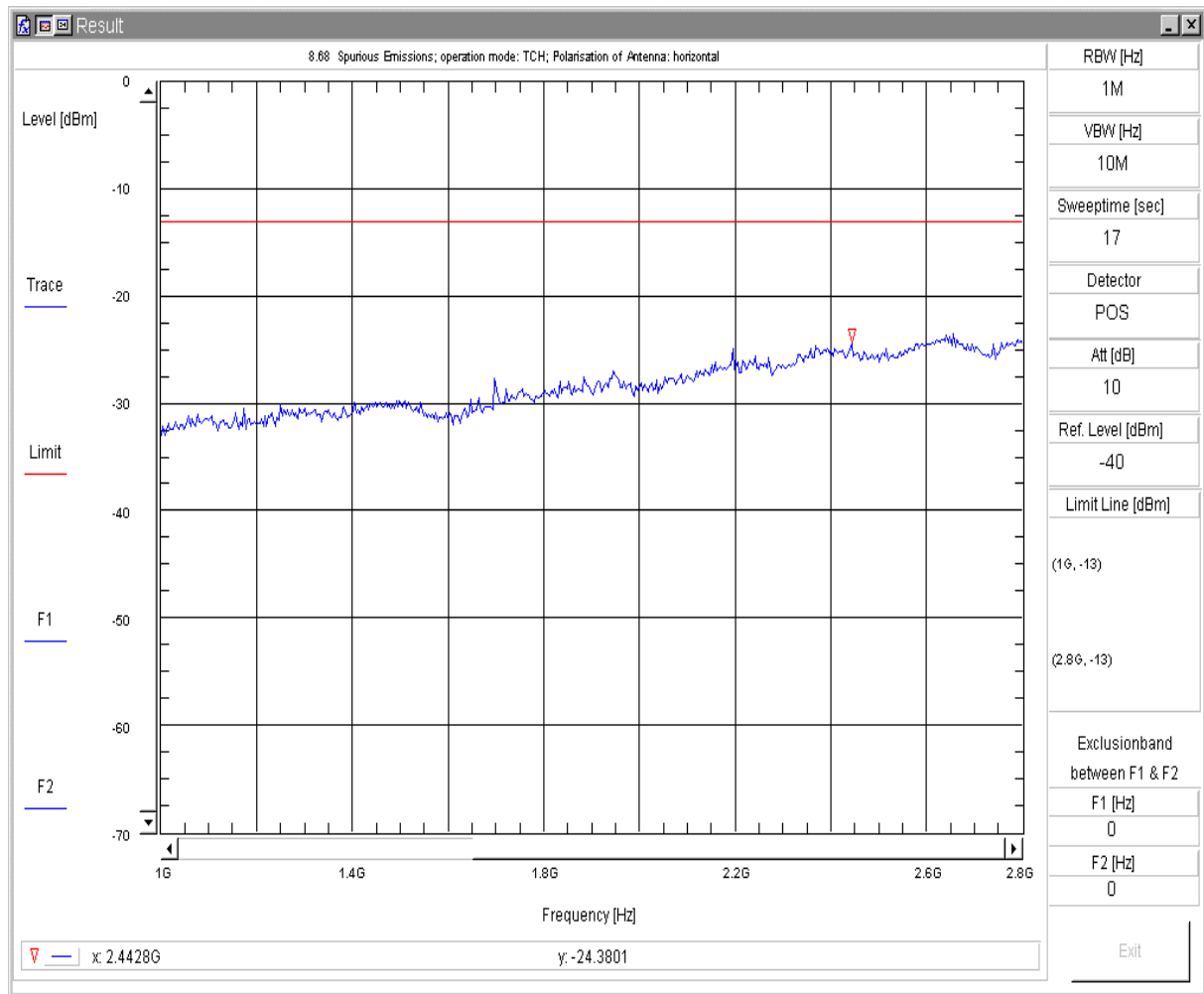


8.67 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_V
 Sweepnr: Sweep3
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 251
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 10:19:14fpf

Spurious Emissions V7.2.5

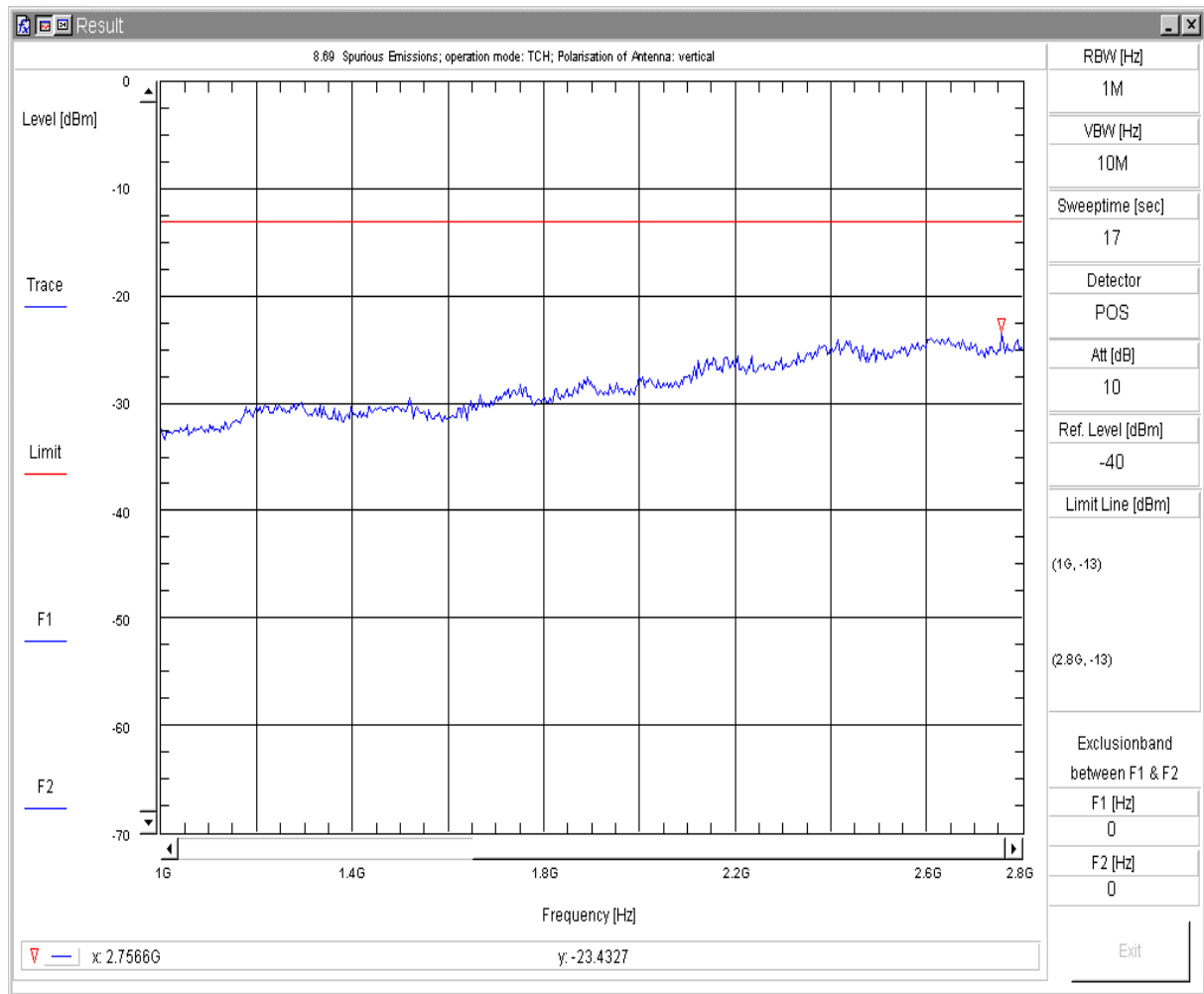


8.68 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep4
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 251
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 10:23:14fp

Spurious Emissions V7.2.5

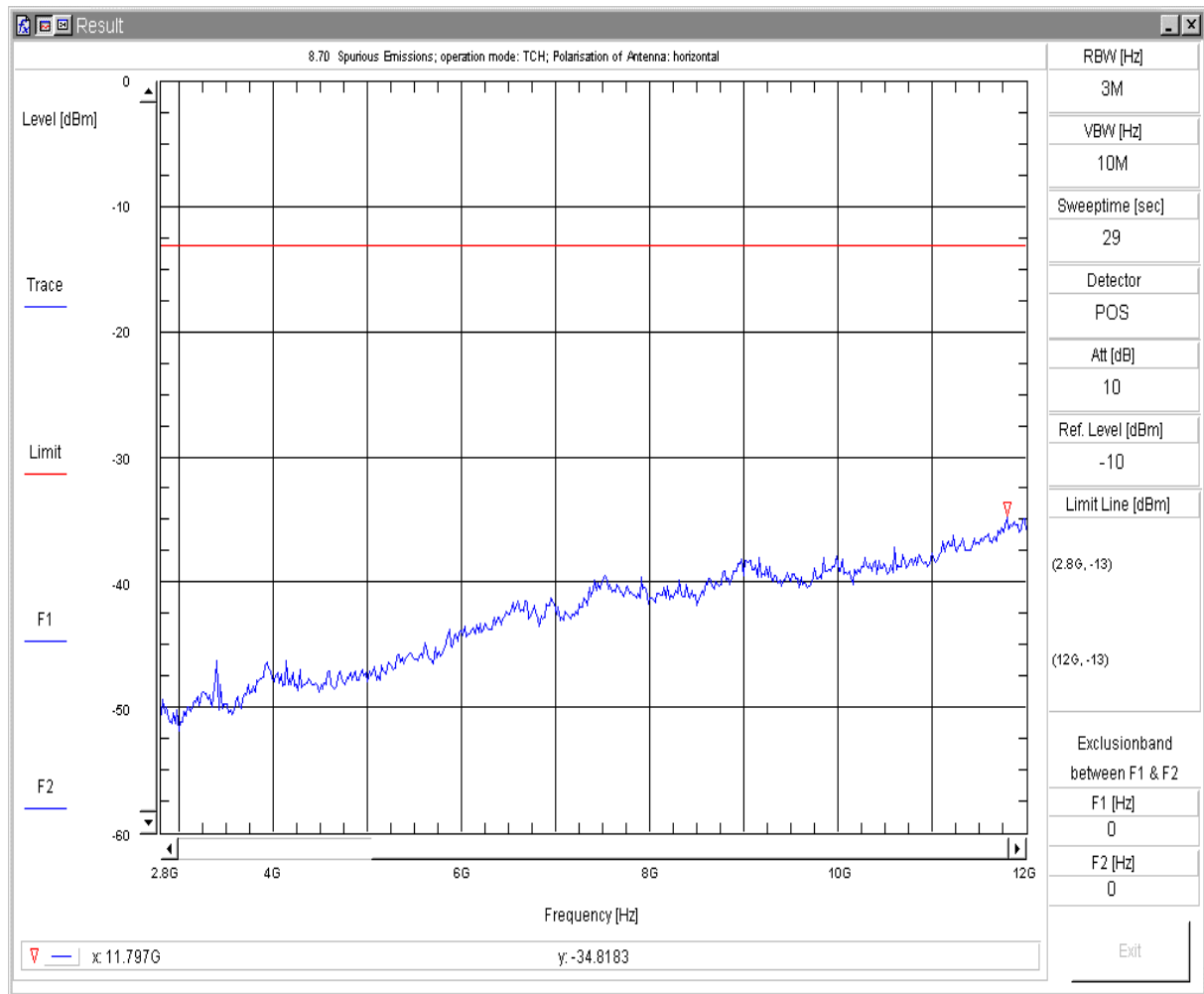


8.69 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_V
 Sweepnr: Sweep4
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 251
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 10:30:44fp

Spurious Emissions V7.2.5

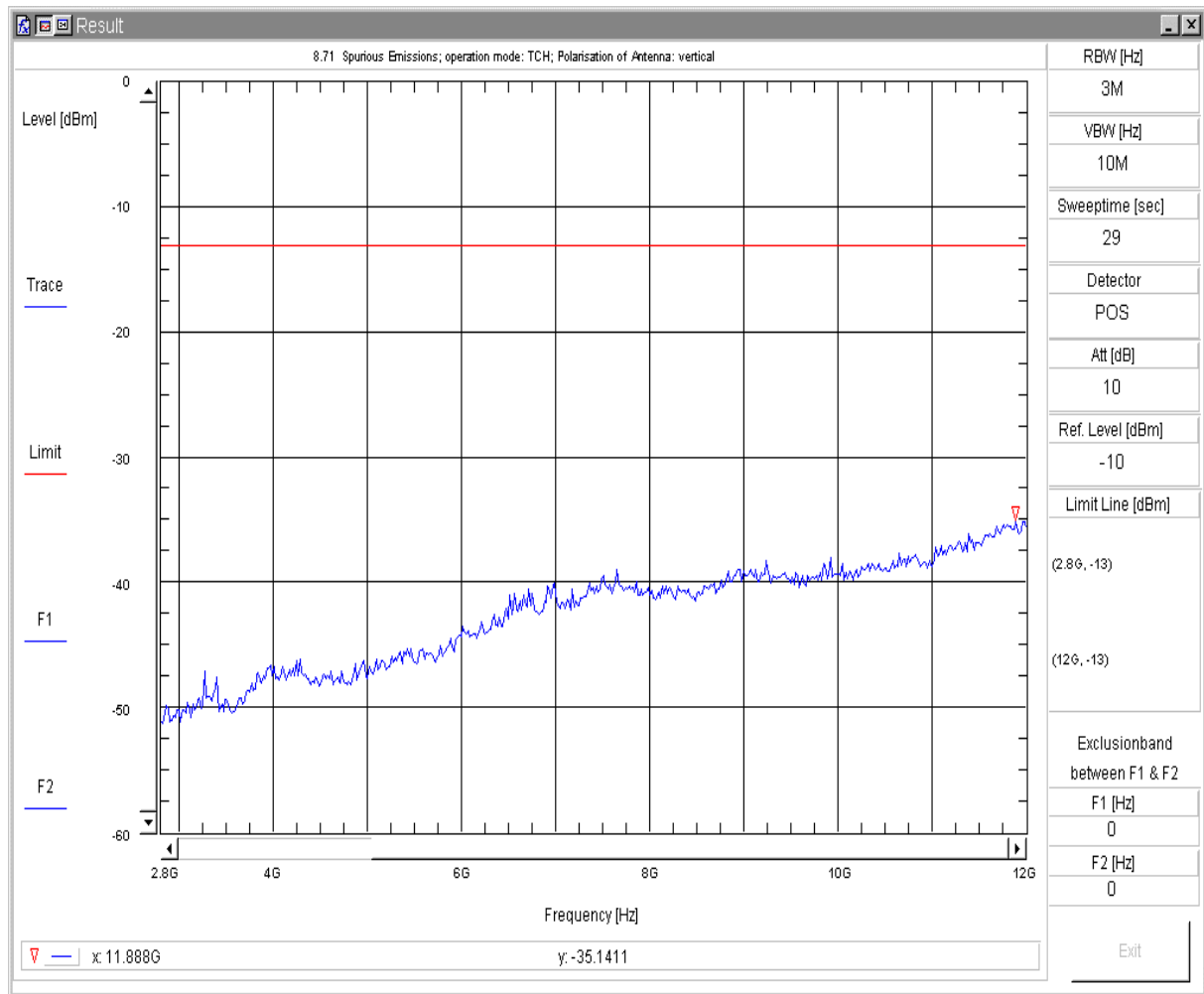


8.70 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_22.917_(GSM_850)\TD_TX_H
 Sweepnr: Sweep5
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 251
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 10:37:58fp

Spurious Emissions V7.2.5



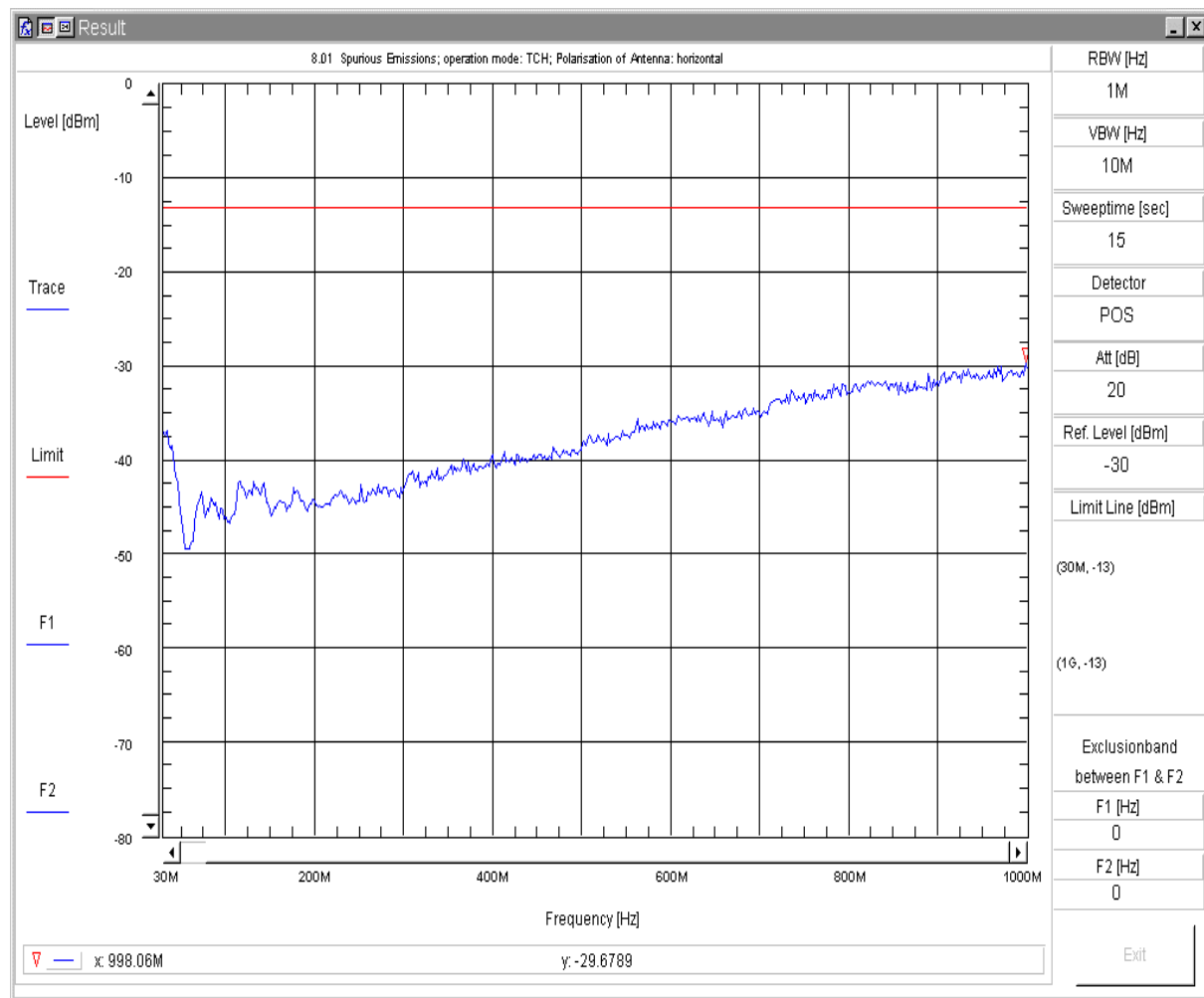
8.71 Radiated Spurious Emission

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 Sweepnr: Sweep5
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_22.917_(GSM_850) TCH
 EUT Description: DR800SG + AC/DC Charger + USB Mikroable
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI: 352111030014210
 Battery: AC/DC Charger; Nominal Voltage; 110 V
 Remark: channel 251
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 22/Sep/2009 10:47:49pp

Spurious Emissions V7.2.5

1.2. Spurious emissions radiated – GSM1900 Mode

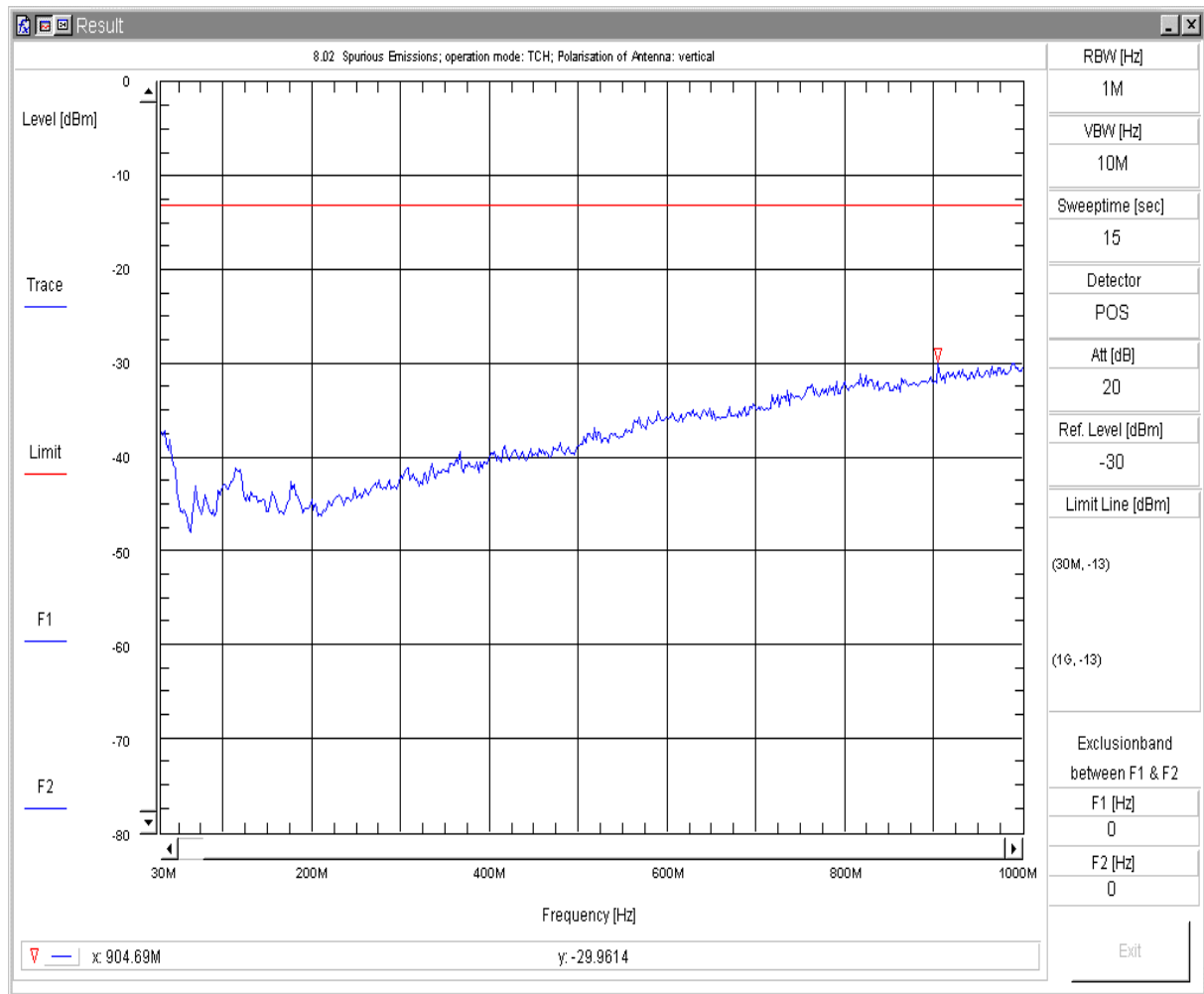


8.01 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep1
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 512
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 14:06:34ppp

Spurious Emissions V7.2.5

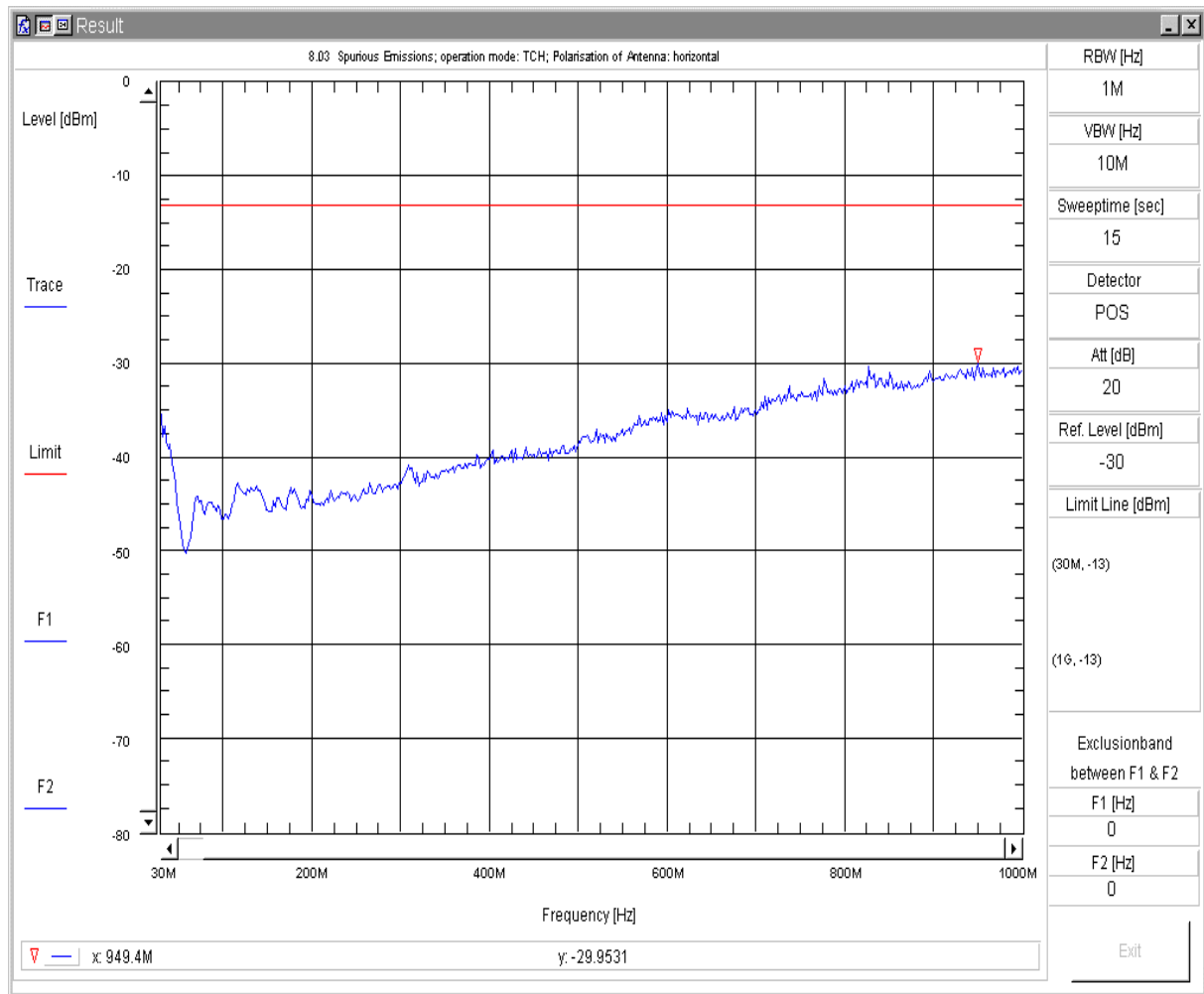


8.02 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep1
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 512
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 14:10:49pf

Spurious Emissions V7.2.5

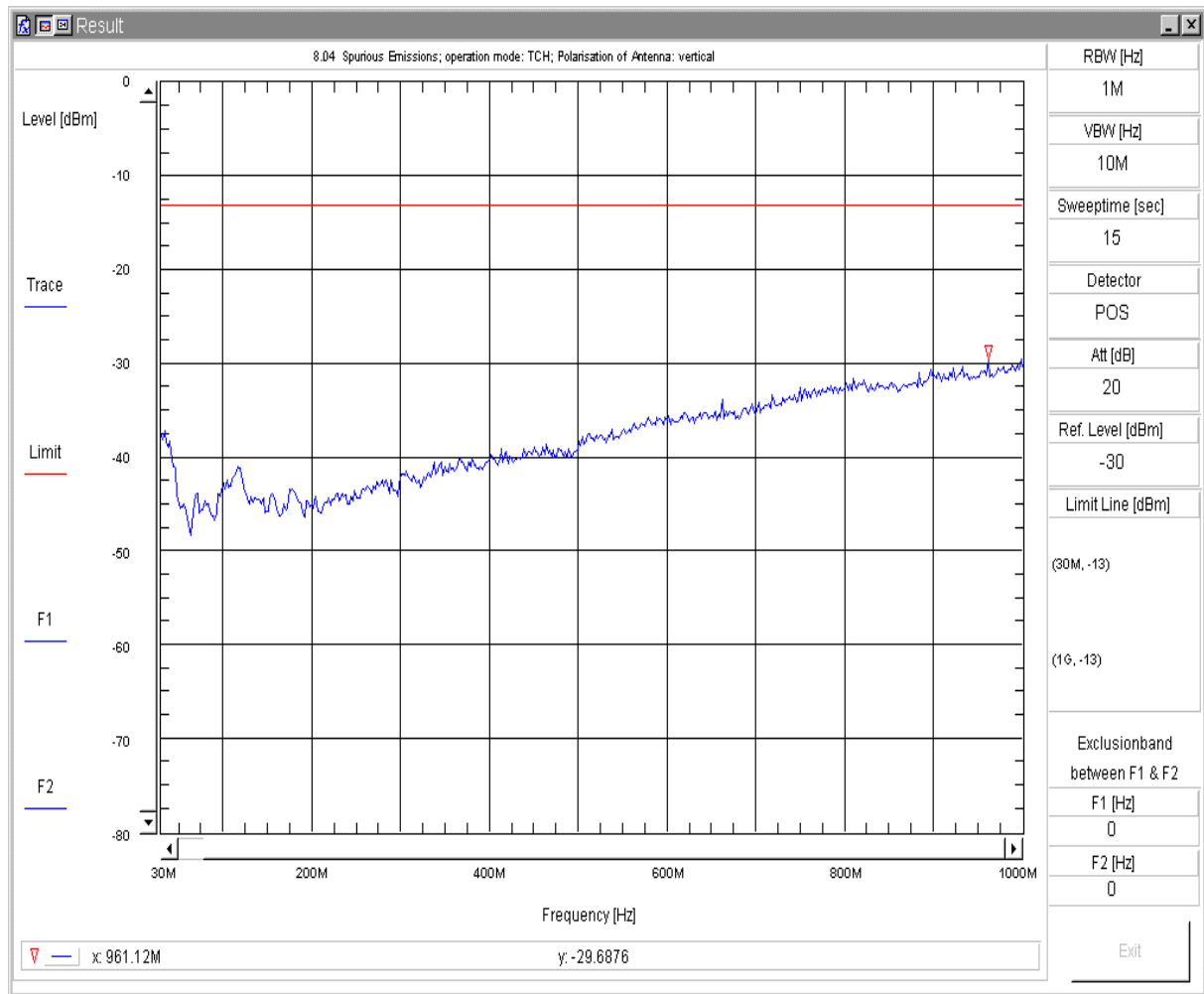


8.03 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep1
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 661
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 14:17:11ppp

Spurious Emissions V7.2.5

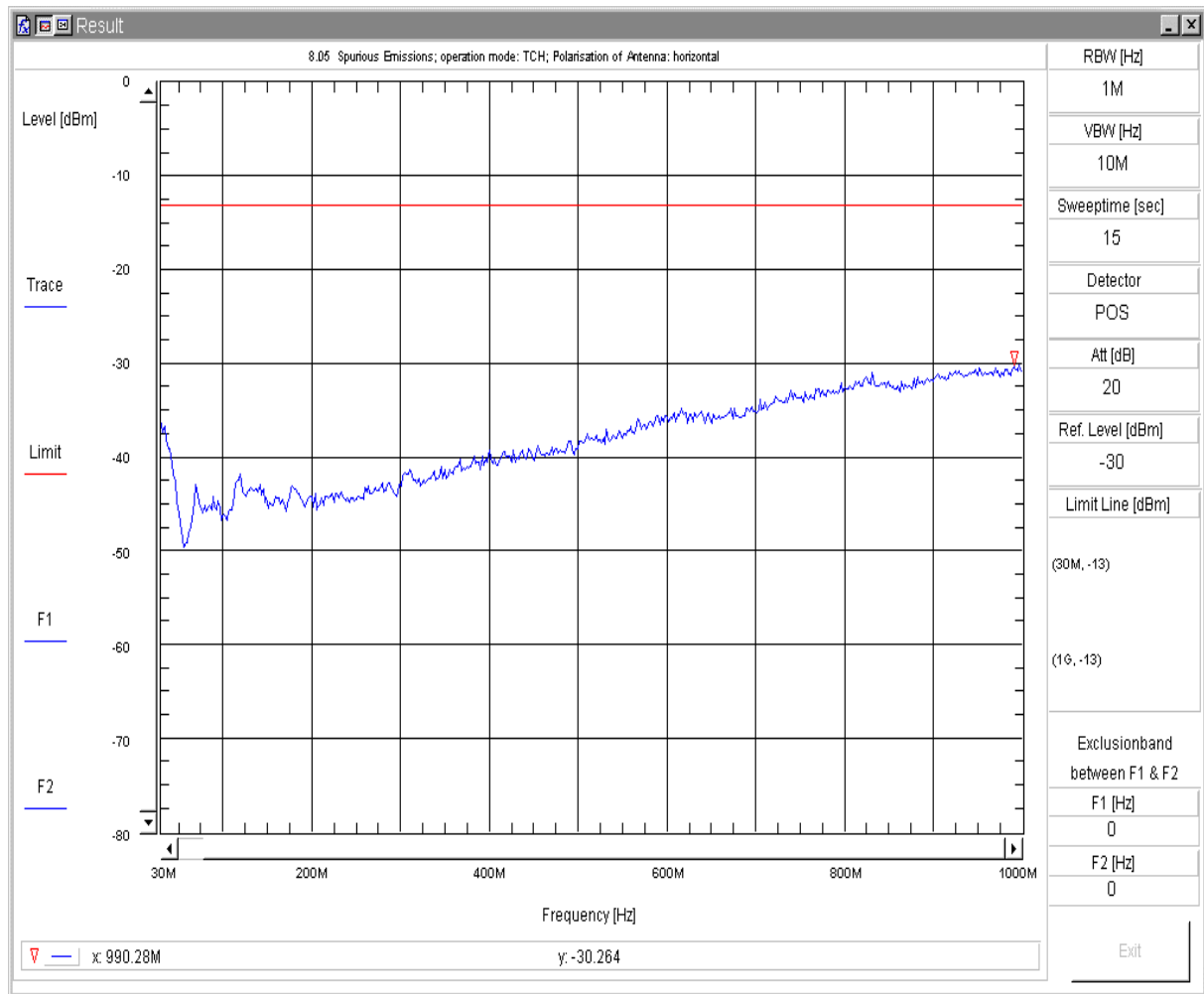


8.04 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep1
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 661
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 14:21:30pf

Spurious Emissions V7.2.5

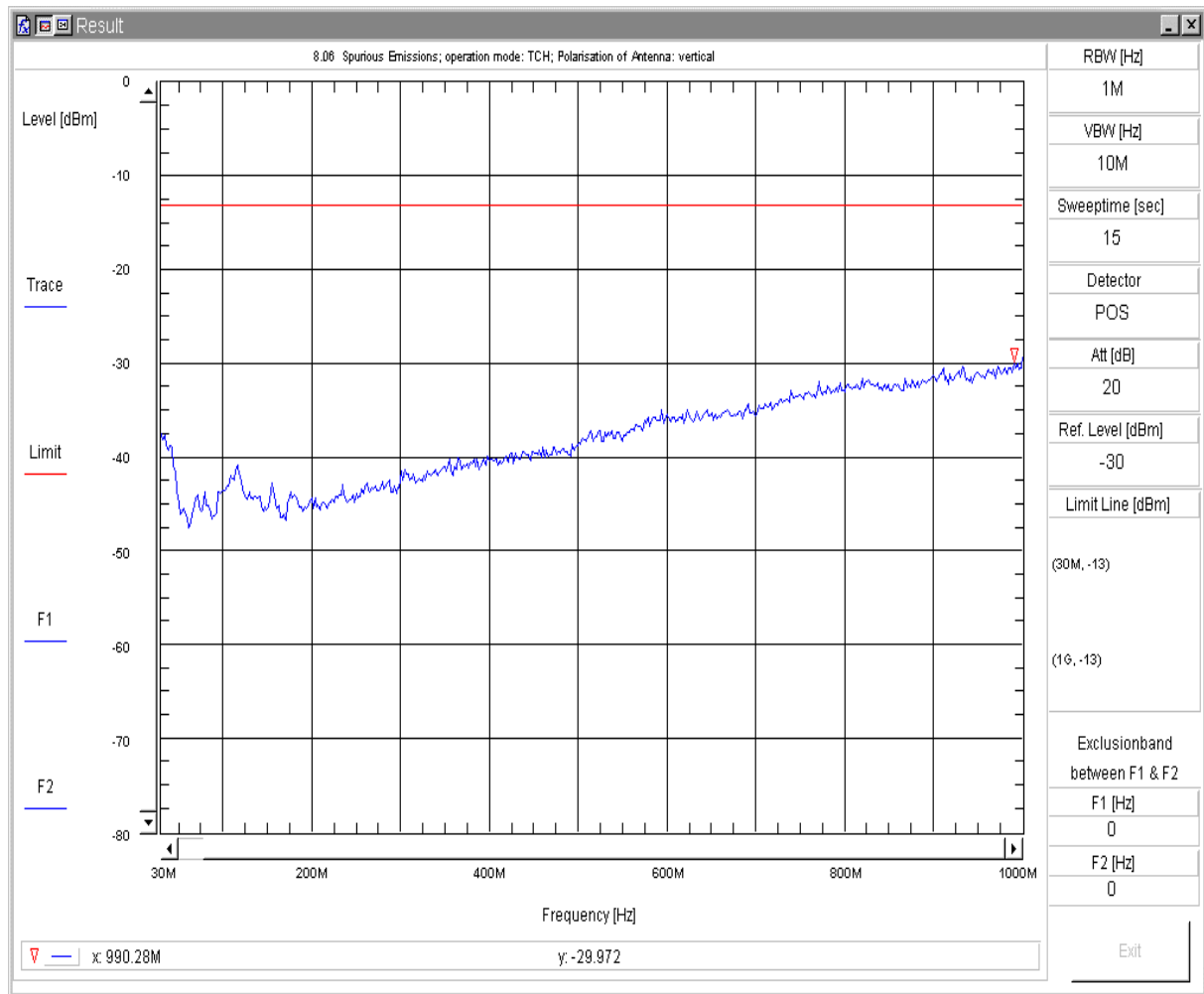


8.05 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep1
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 810
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 14:29:23ppp

Spurious Emissions V7.2.5

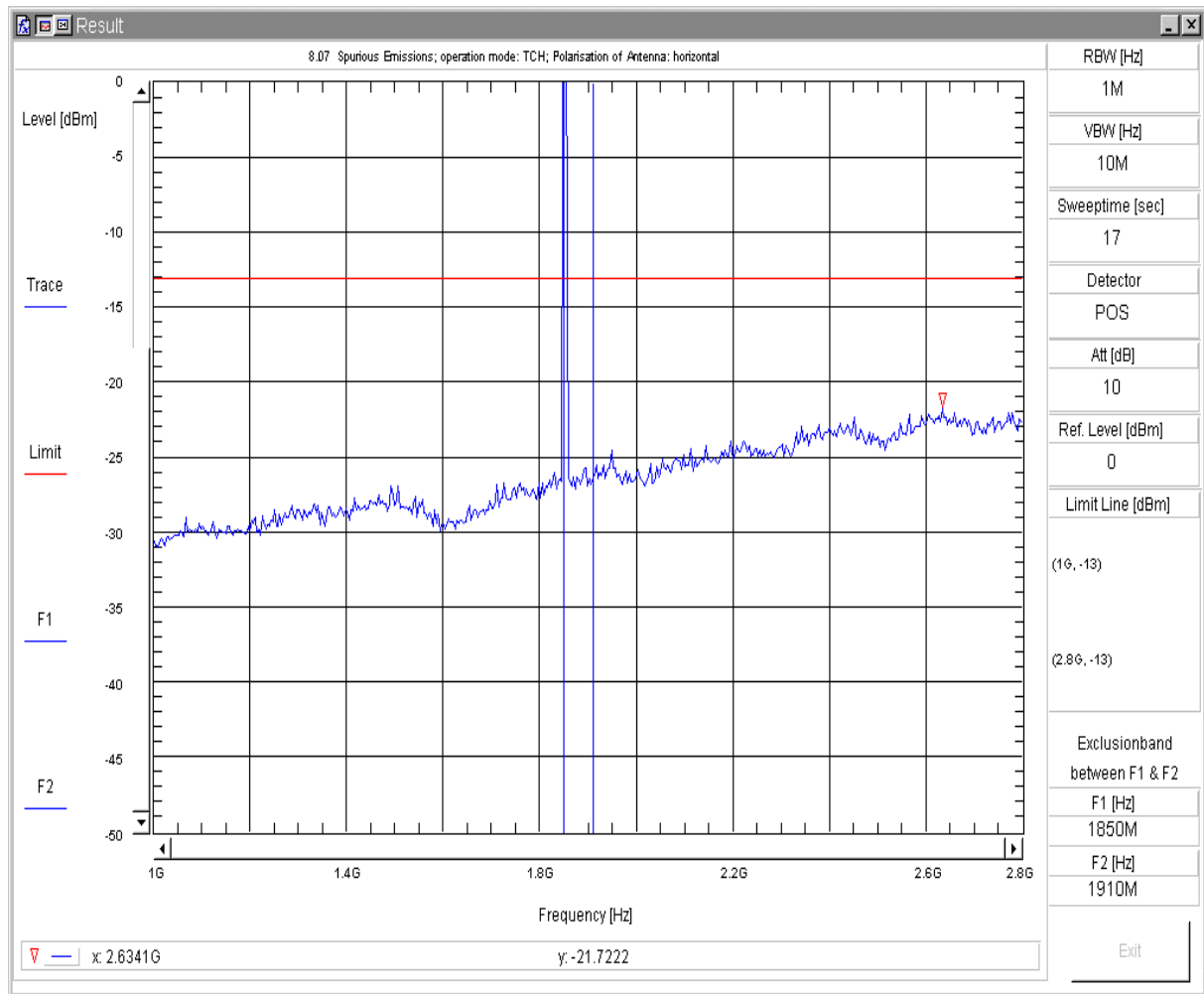


8.06 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep1
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 810
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 14:33:49pf

Spurious Emissions V7.2.5

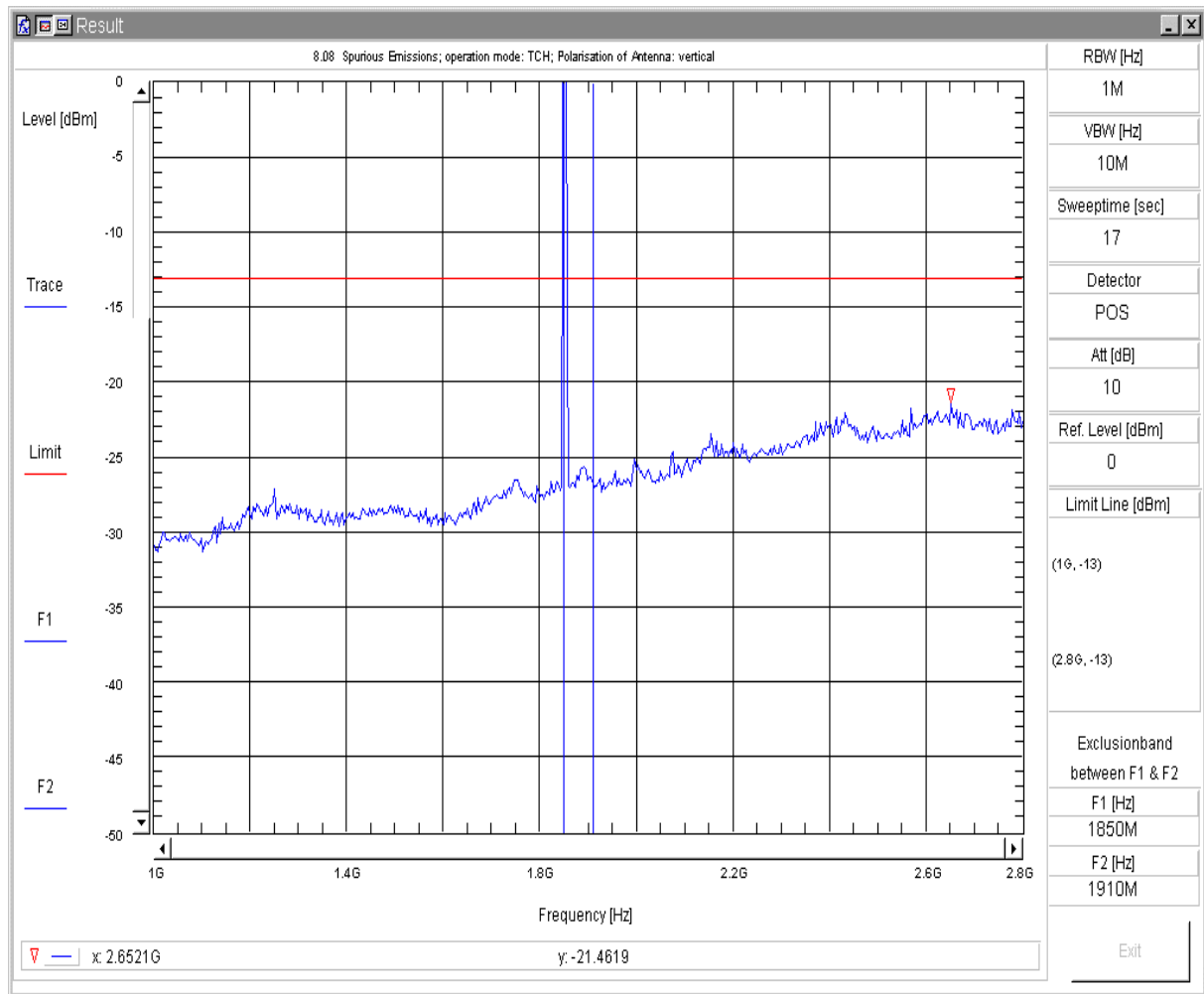


8.07 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep2
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 512
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 14:40:39pp

Spurious Emissions V7.2.5

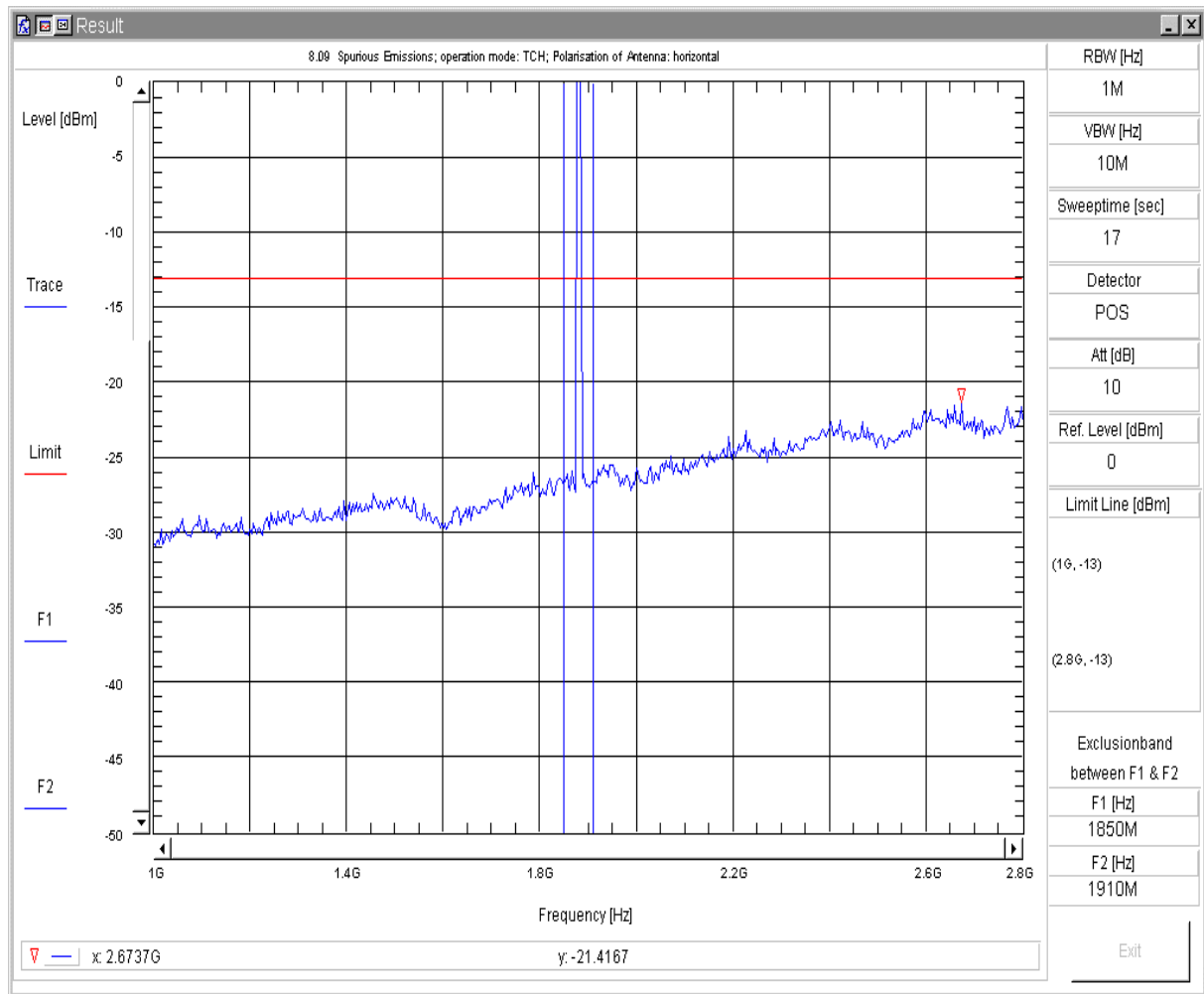


8.08 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep2
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 512
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 14:49:09fp

Spurious Emissions V7.2.5

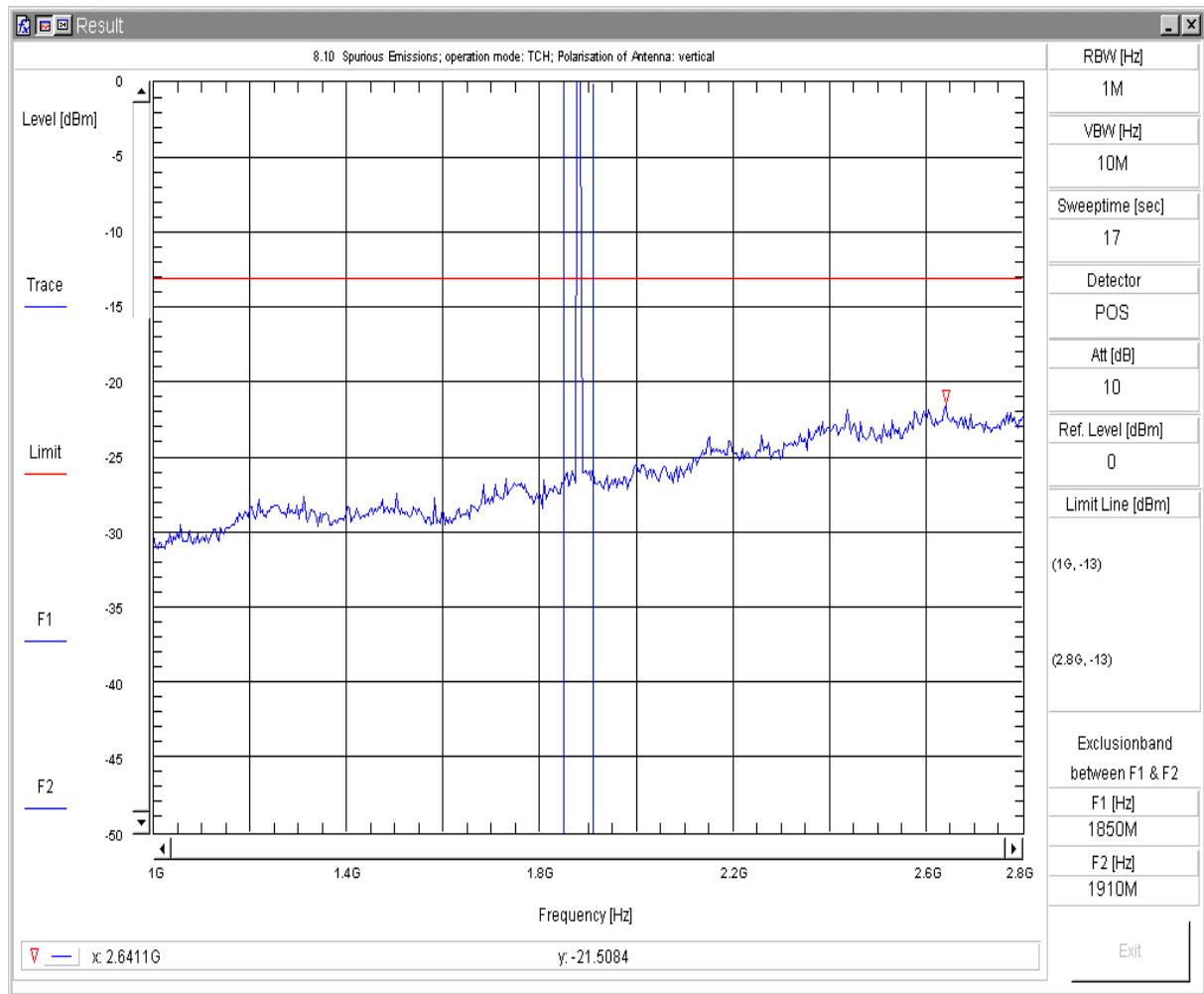


8.09 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep2
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 661
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 15:45:51pp

Spurious Emissions V7.2.5

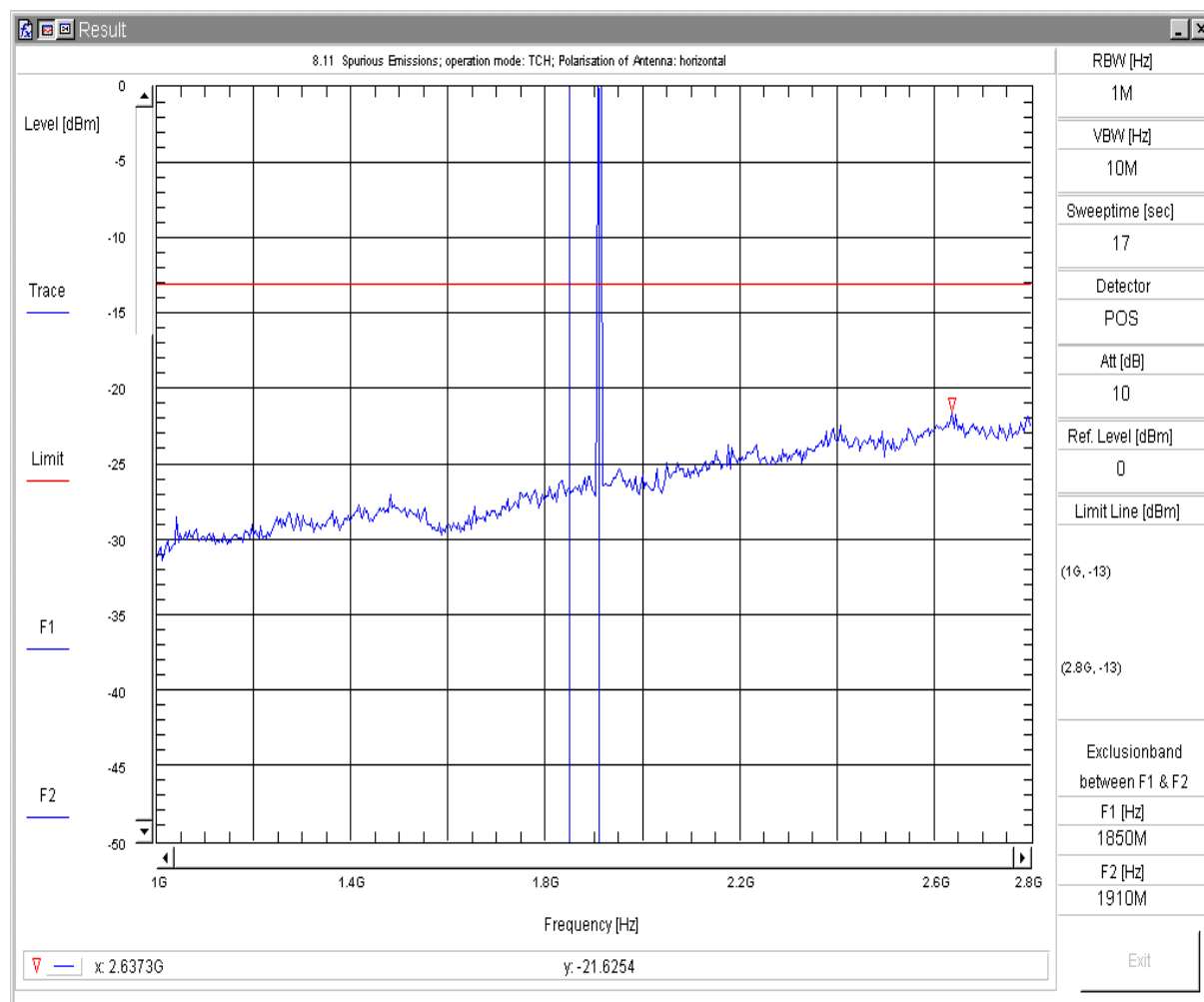


8.10 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep2
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 661
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 15:52:51fp

Spurious Emissions V7.2.5

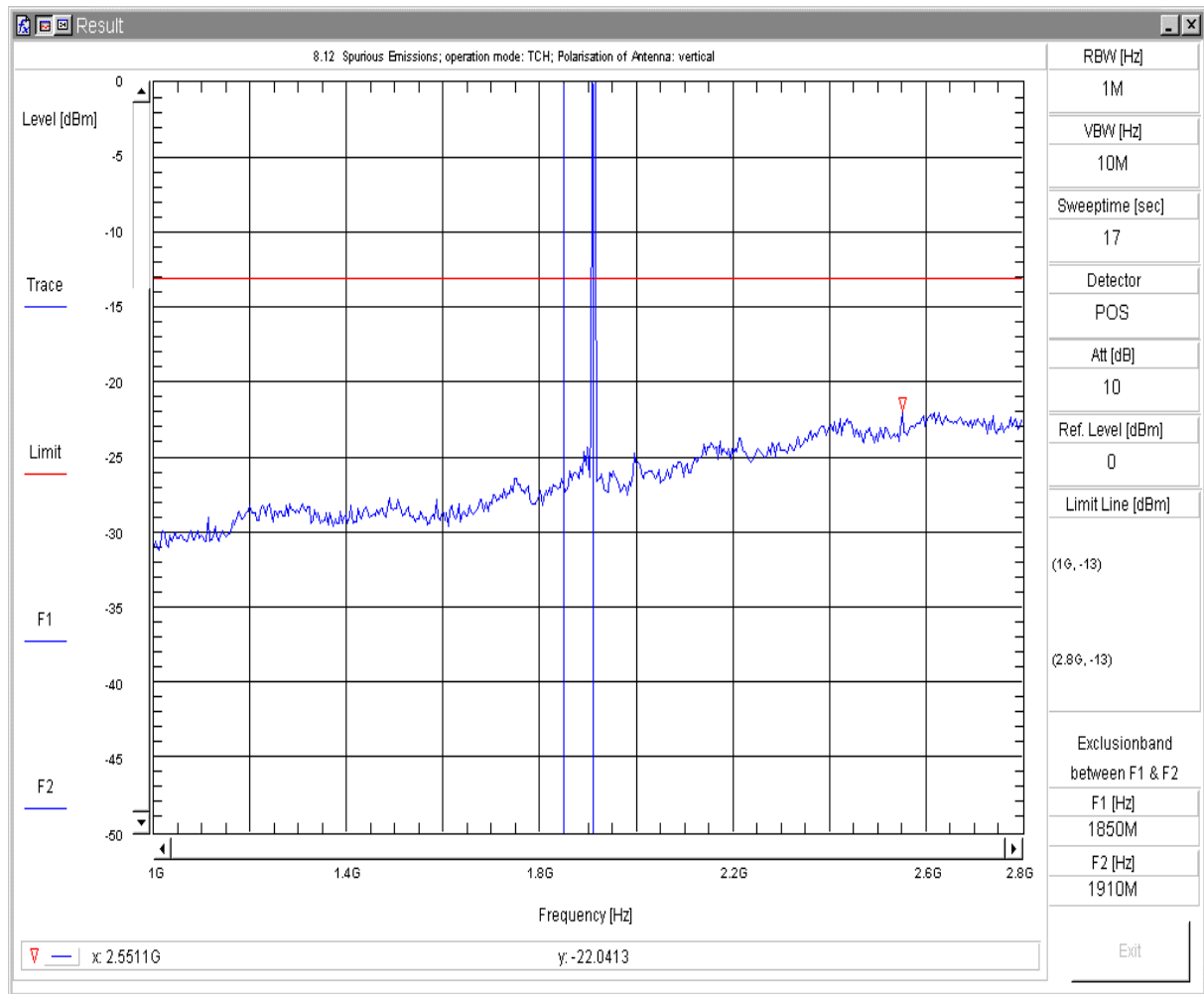


8.11 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep2
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 810
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 16:13:58pp

Spurious Emissions V7.2.5

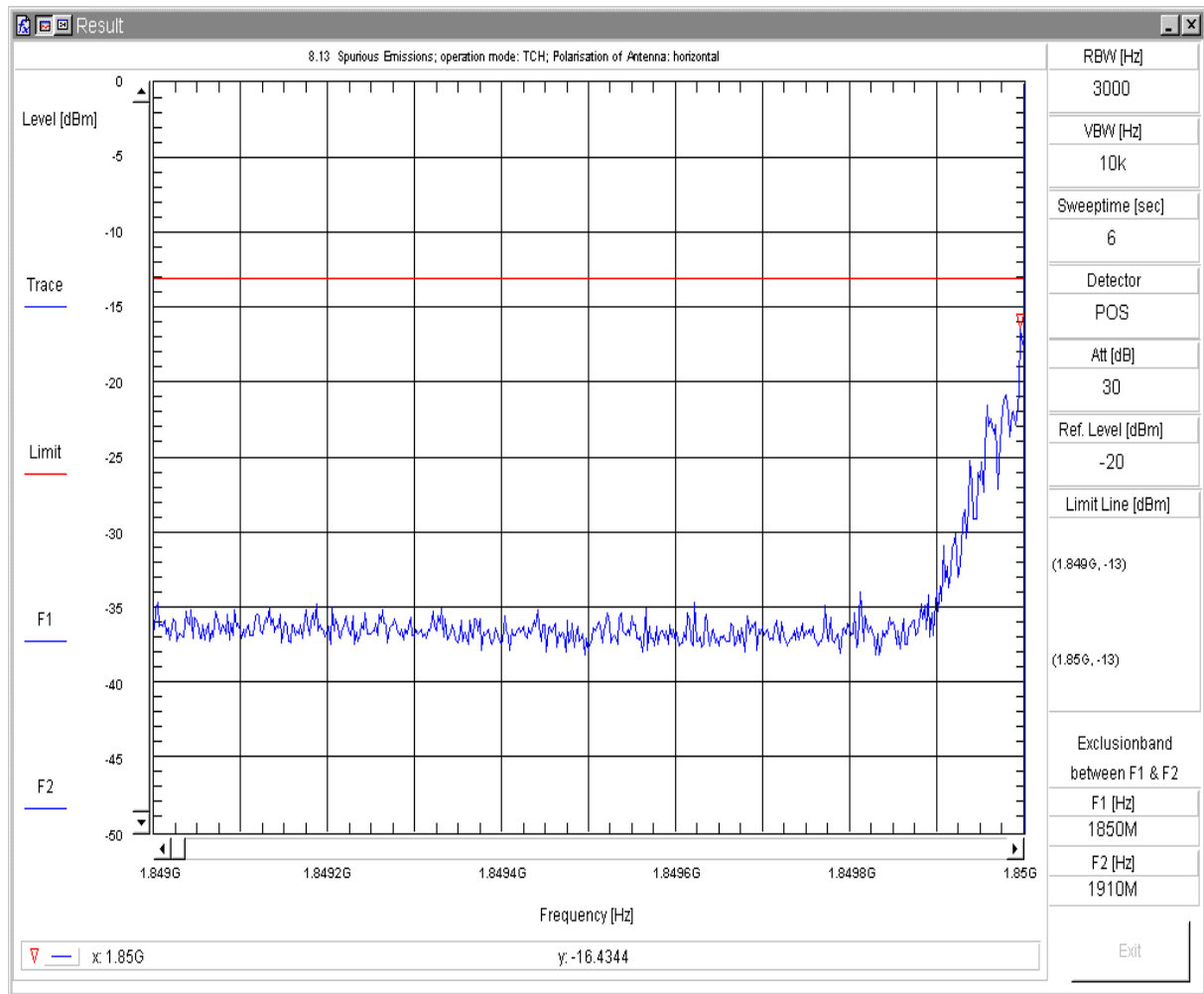


8.12 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep2
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 810
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 16:23:13fp

Spurious Emissions V7.2.5

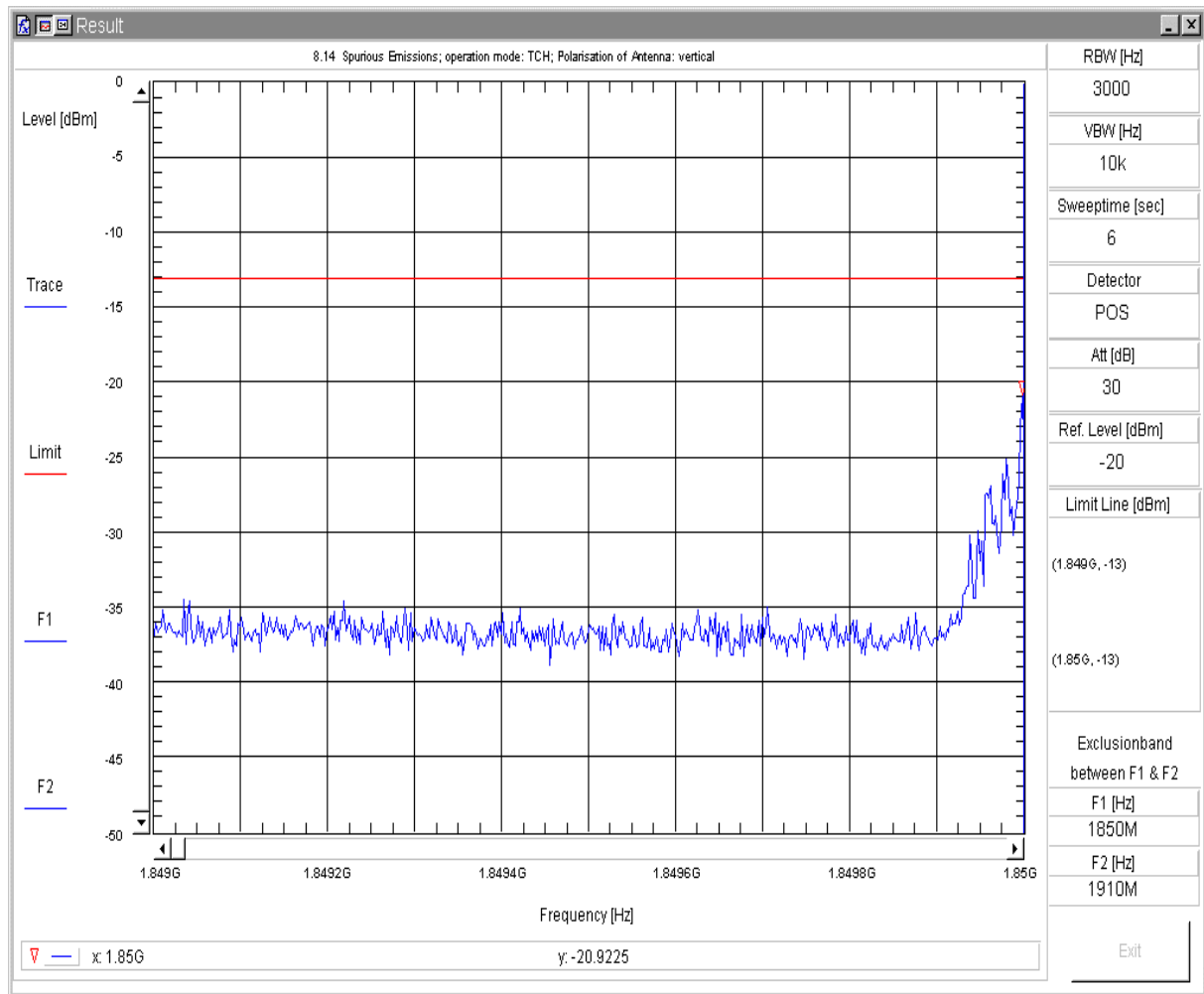


8.13 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep3
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 512
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 16:31:12pp

Spurious Emissions V7.2.5

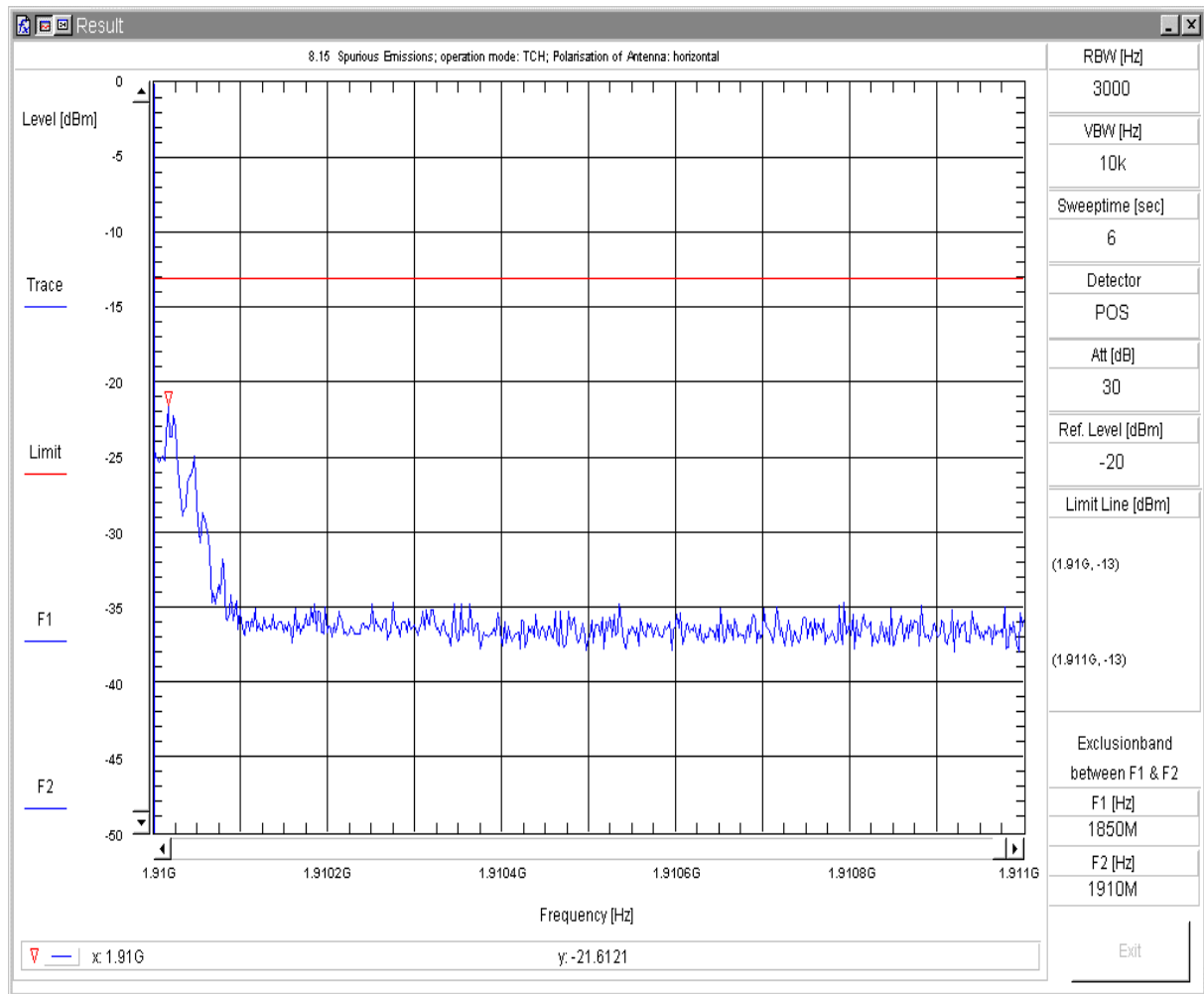


8.14 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep3
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 512
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 16:35:55fp

Spurious Emissions V7.2.5

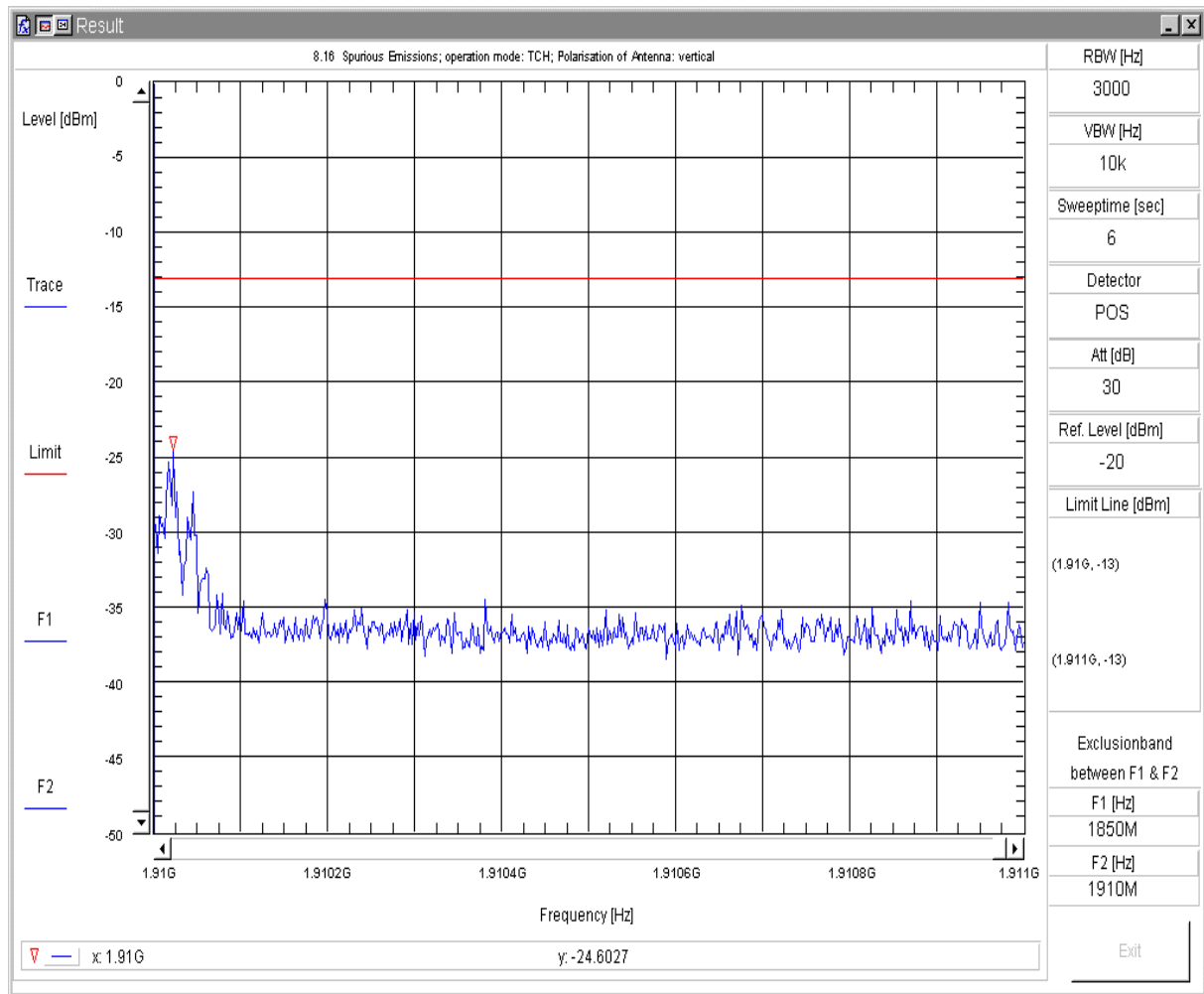


8.15 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep4
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 810
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 16:41:13pp

Spurious Emissions V7.2.5

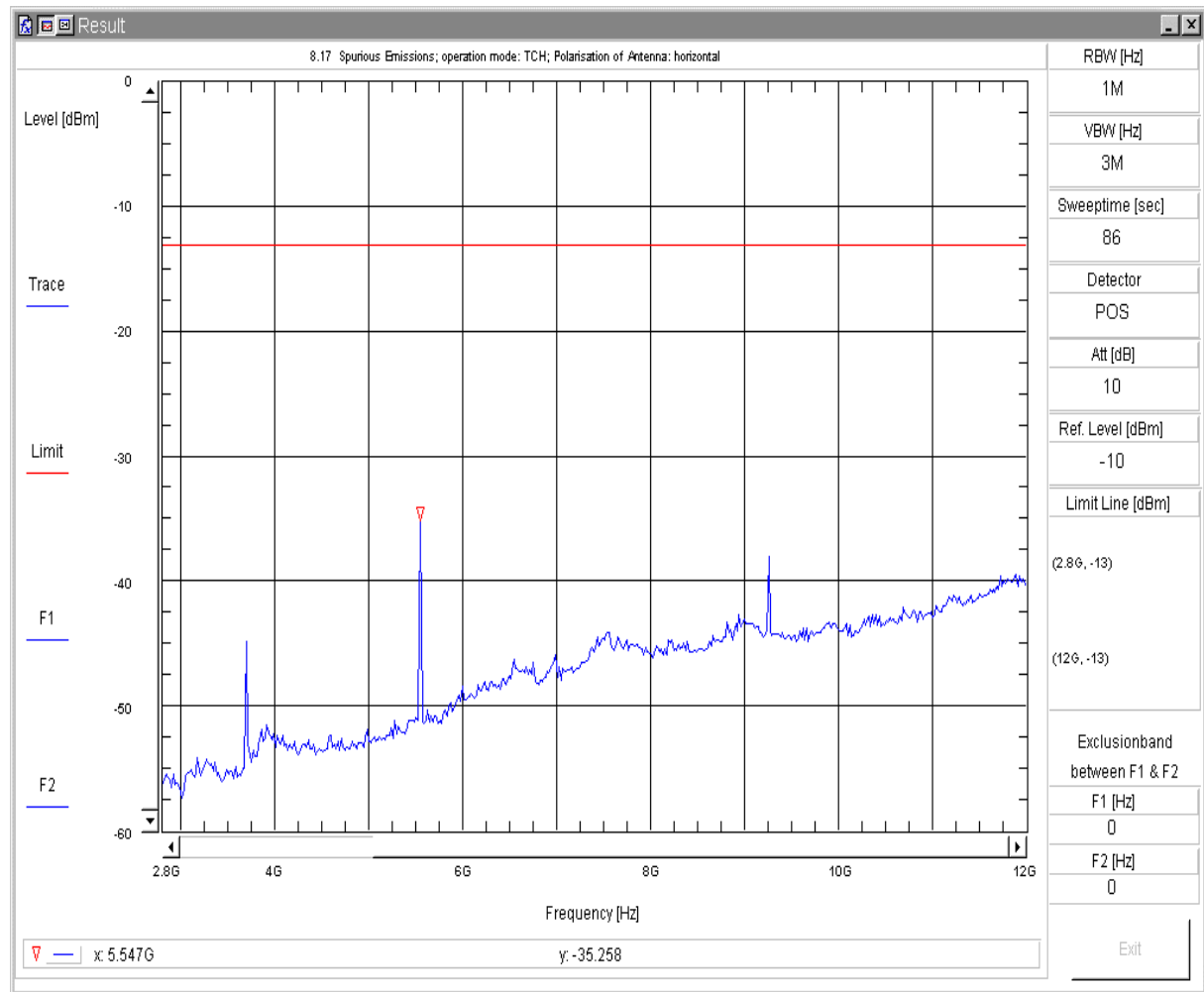


8.16 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep4
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 810
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 16:46:31fp

Spurious Emissions V7.2.5

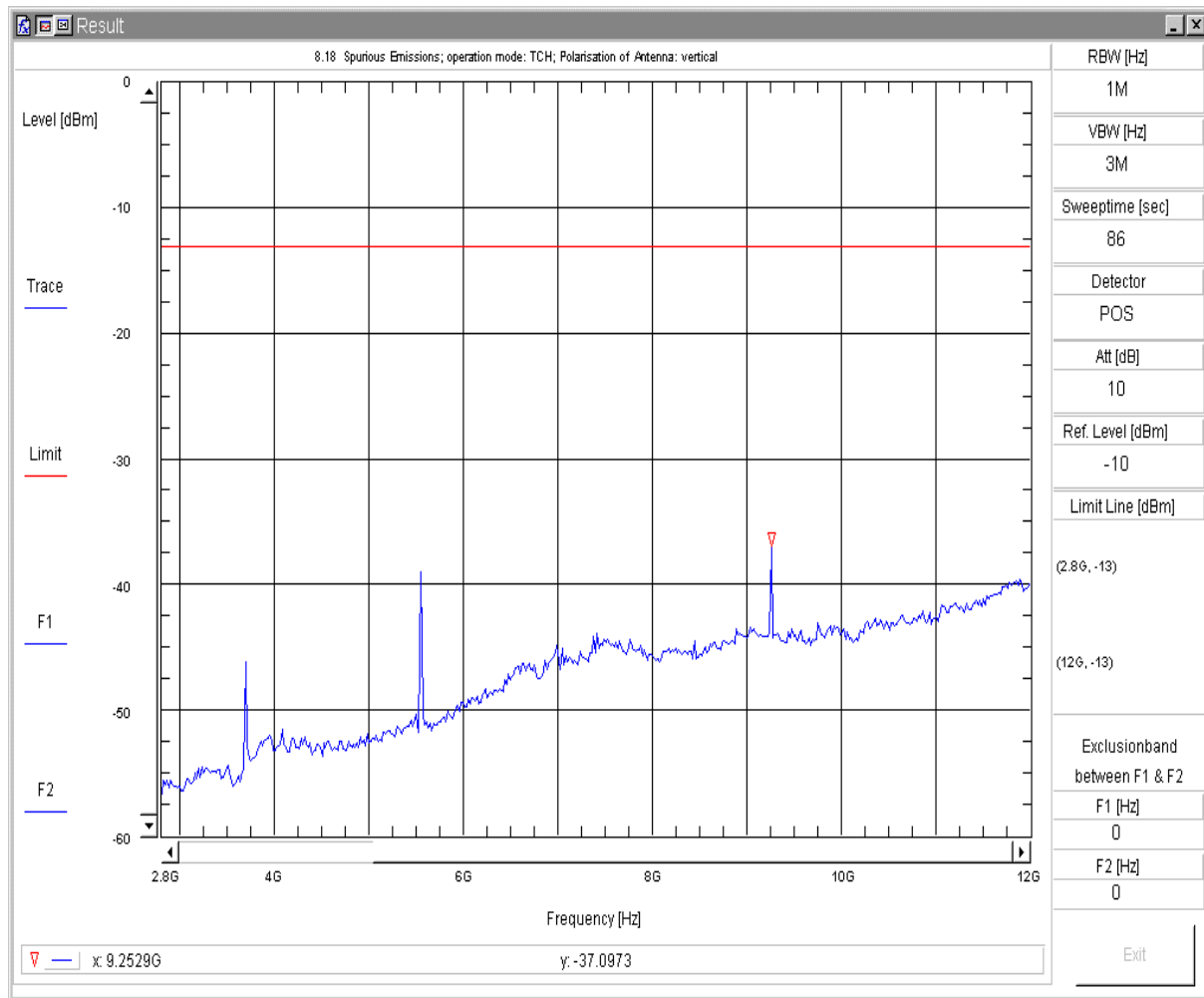


8.17 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep5
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 512
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 16:51:14pp

Spurious Emissions V7.2.5

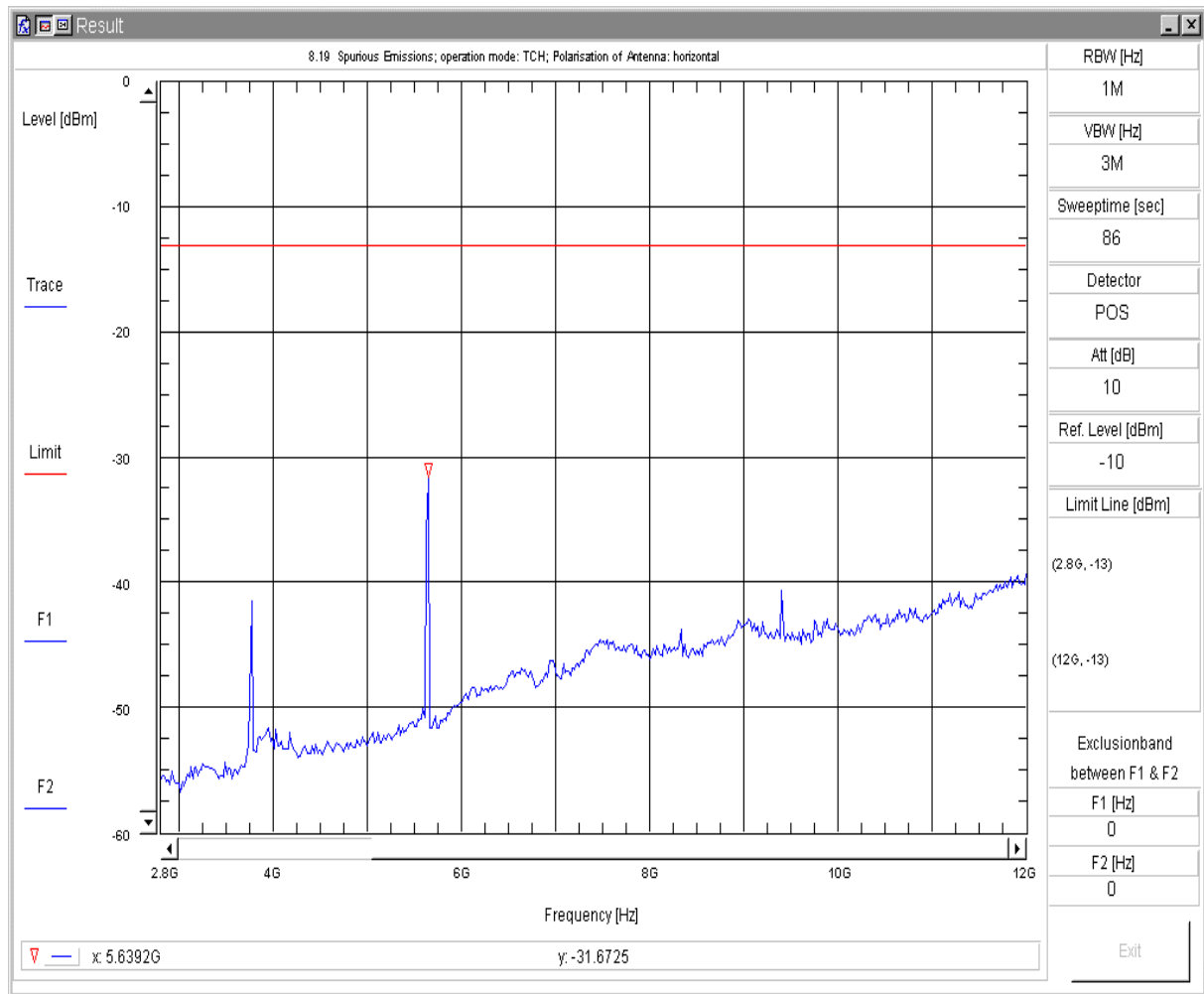


8.18 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep5
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 512
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 17:14:38pp

Spurious Emissions V7.2.5

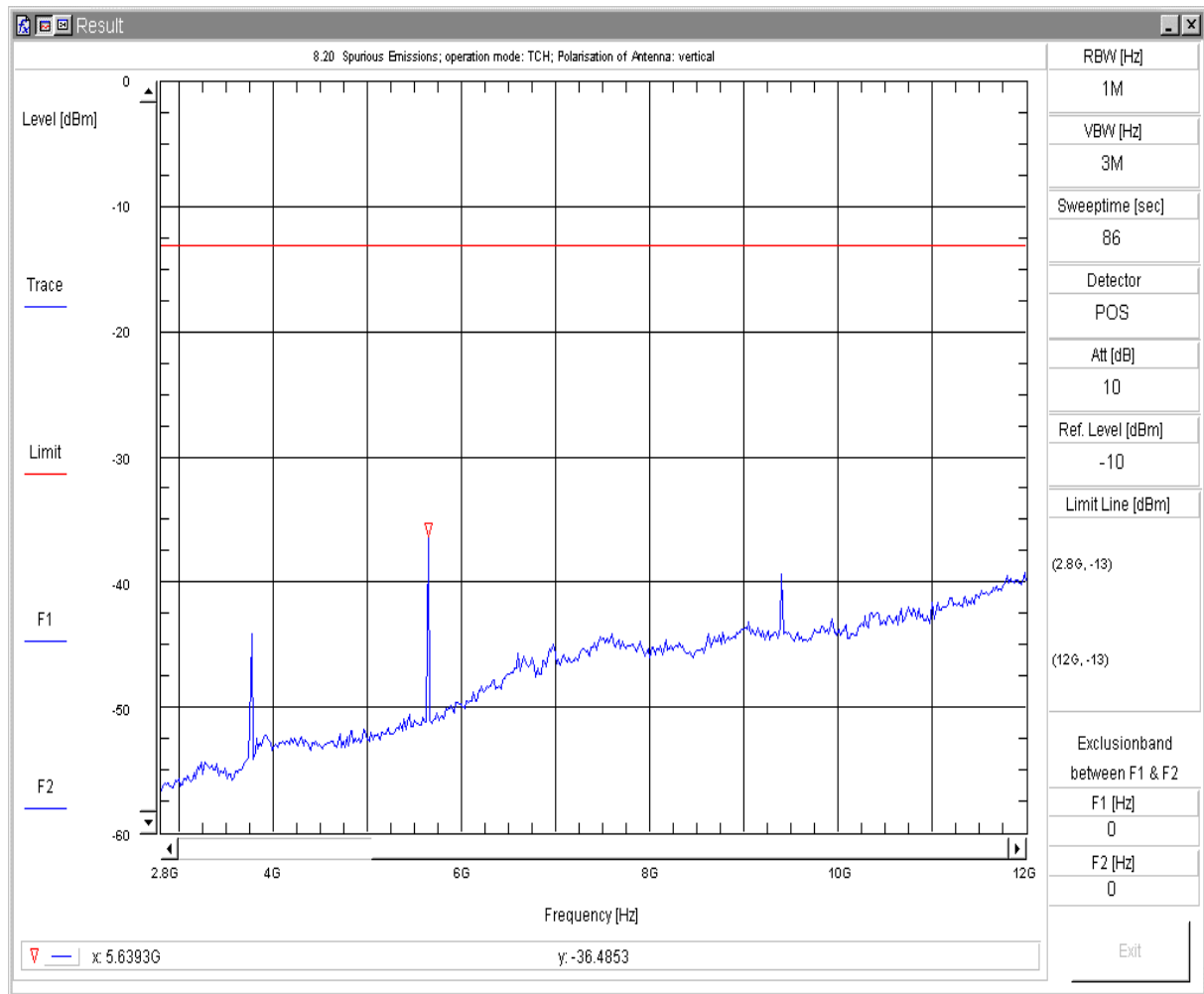


8.19 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep5
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 661
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 17:38:06pp

Spurious Emissions V7.2.5

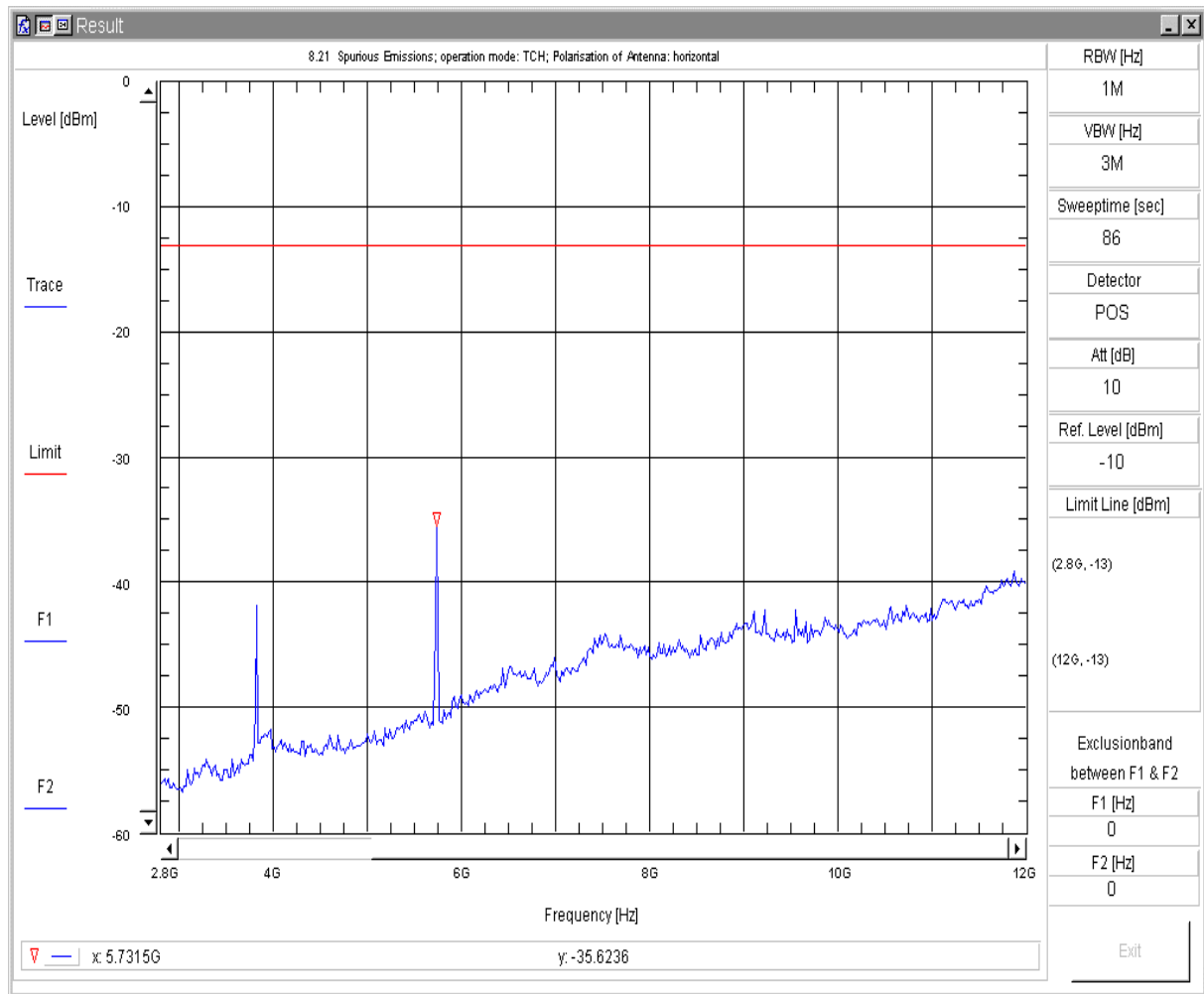


8.20 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep5
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 661
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 18:01:06pp

Spurious Emissions V7.2.5

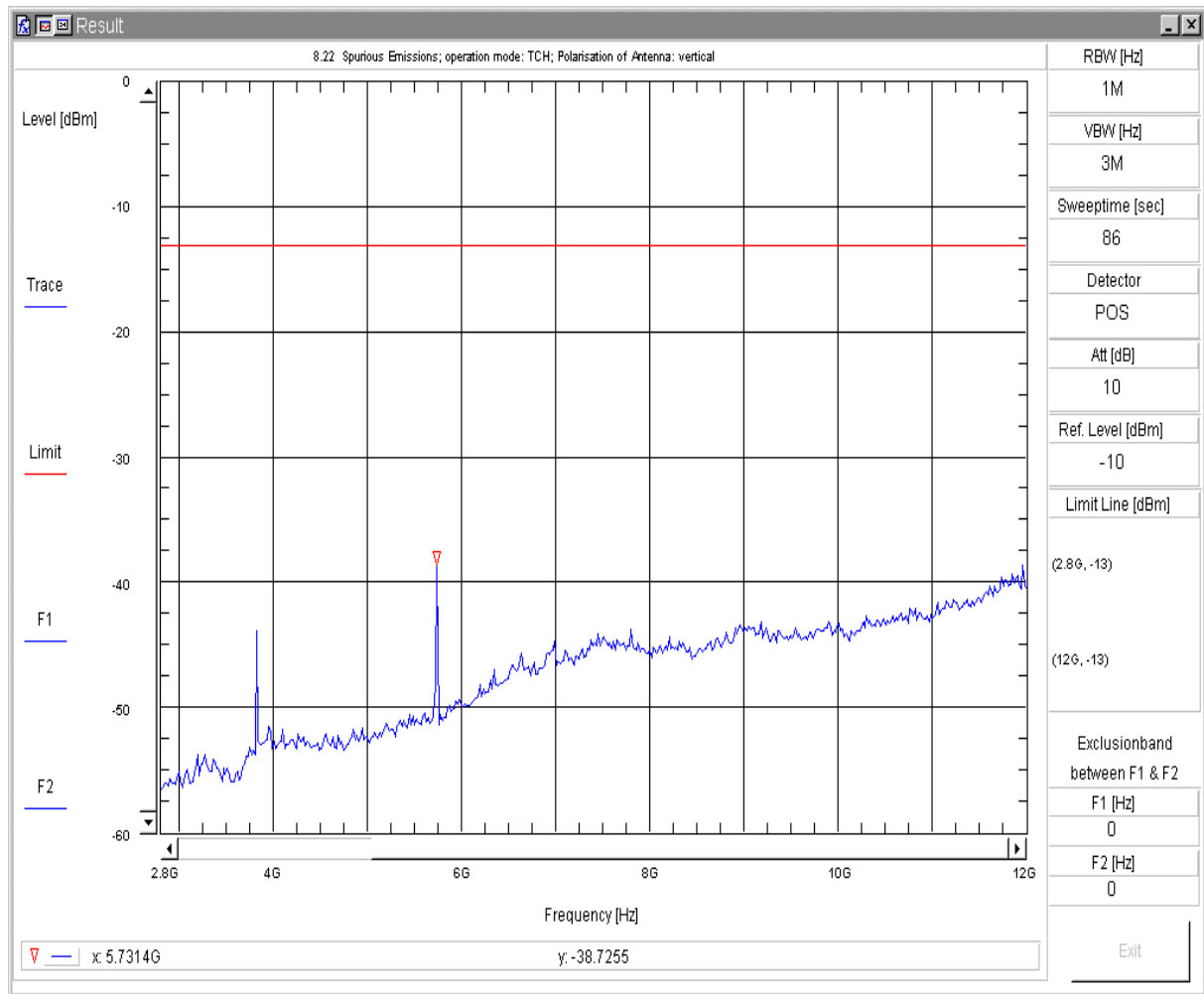


8.21 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep5
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 810
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 18:24:19pp

Spurious Emissions V7.2.5

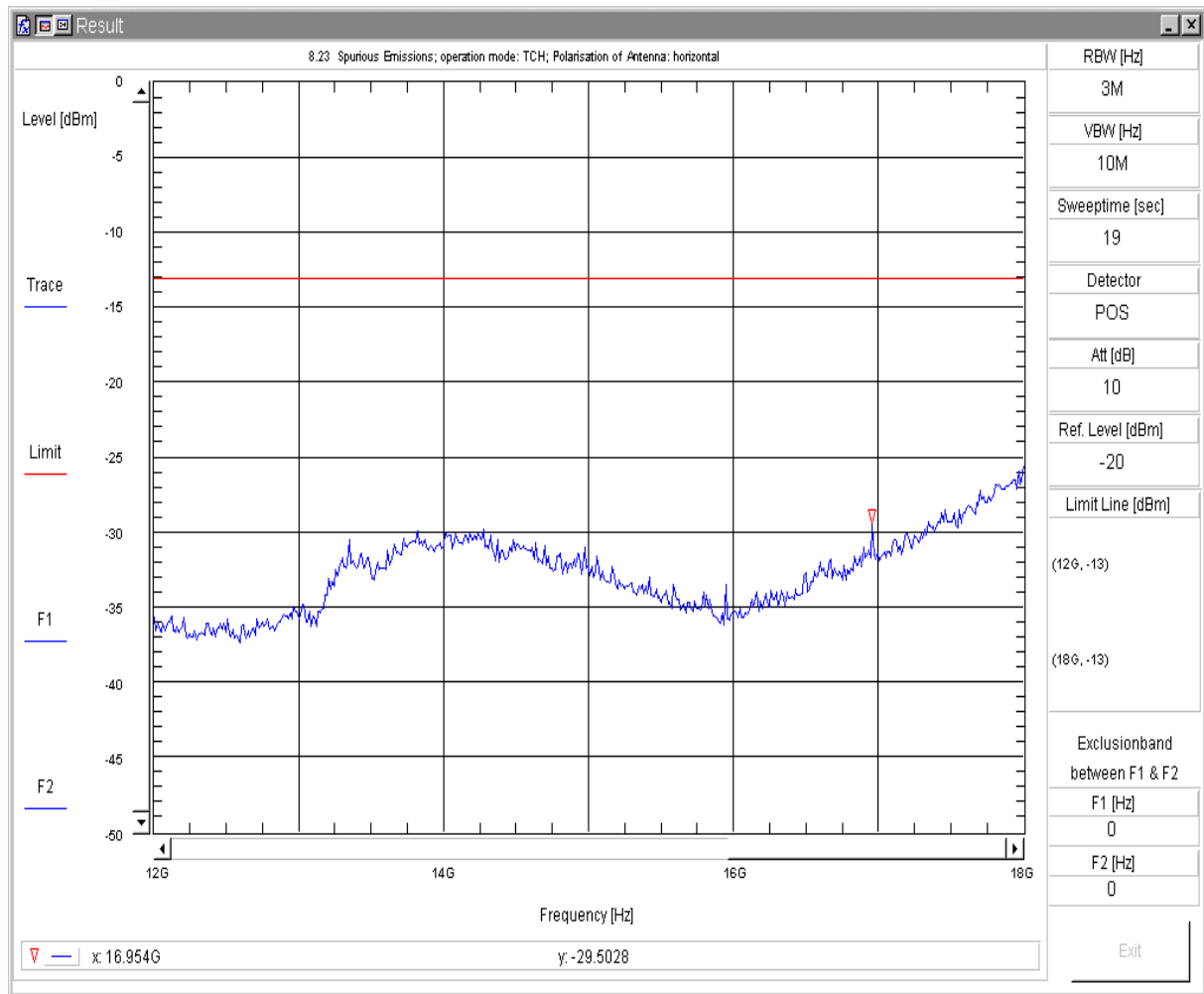


8.22 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep5
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 810
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 18:47:34pp

Spurious Emissions V7.2.5

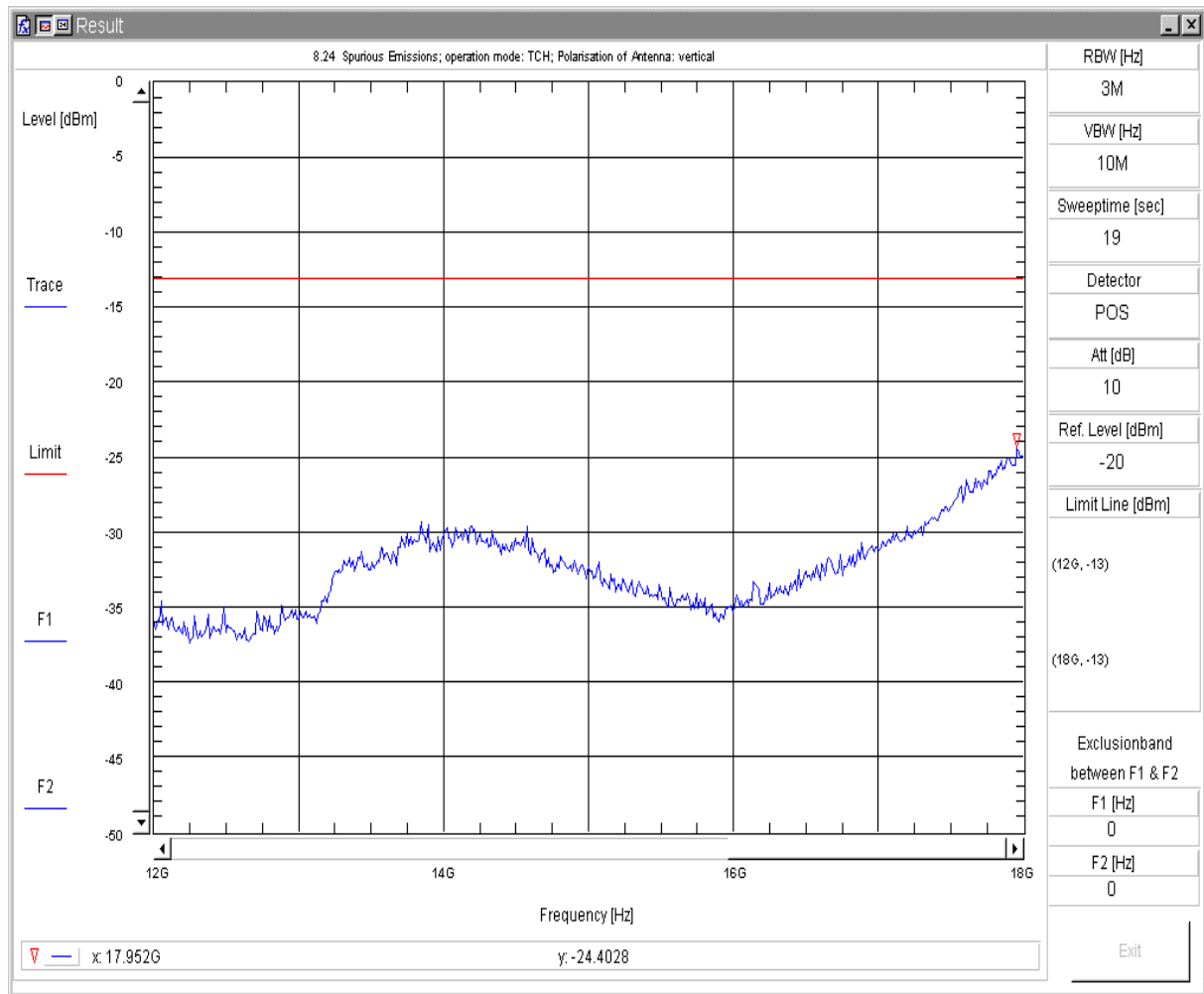


8.23 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep6
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 512
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 19:10:47pp

Spurious Emissions V7.2.5

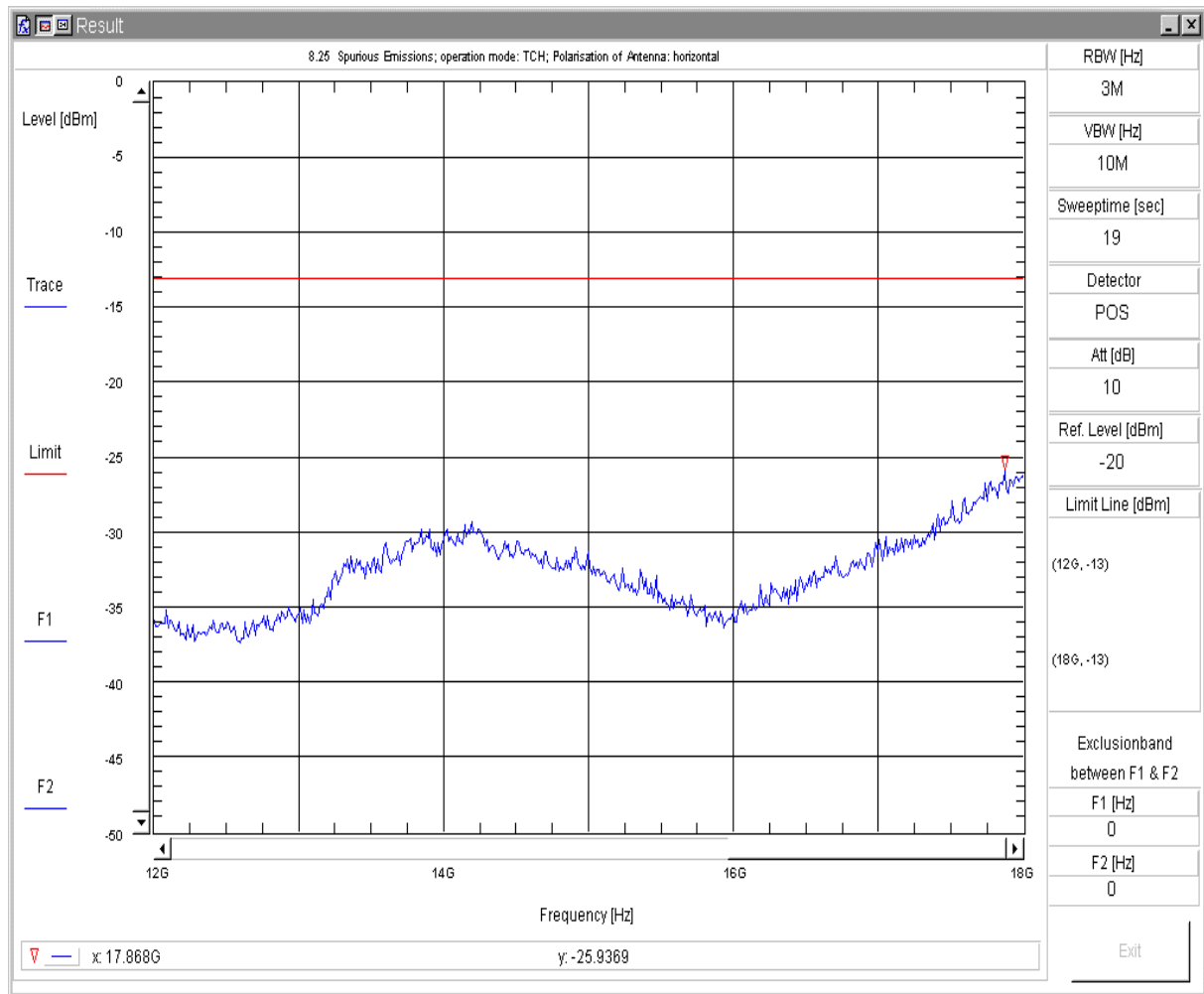


8.24 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep6
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 512
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 19:20:46pp

Spurious Emissions V7.2.5

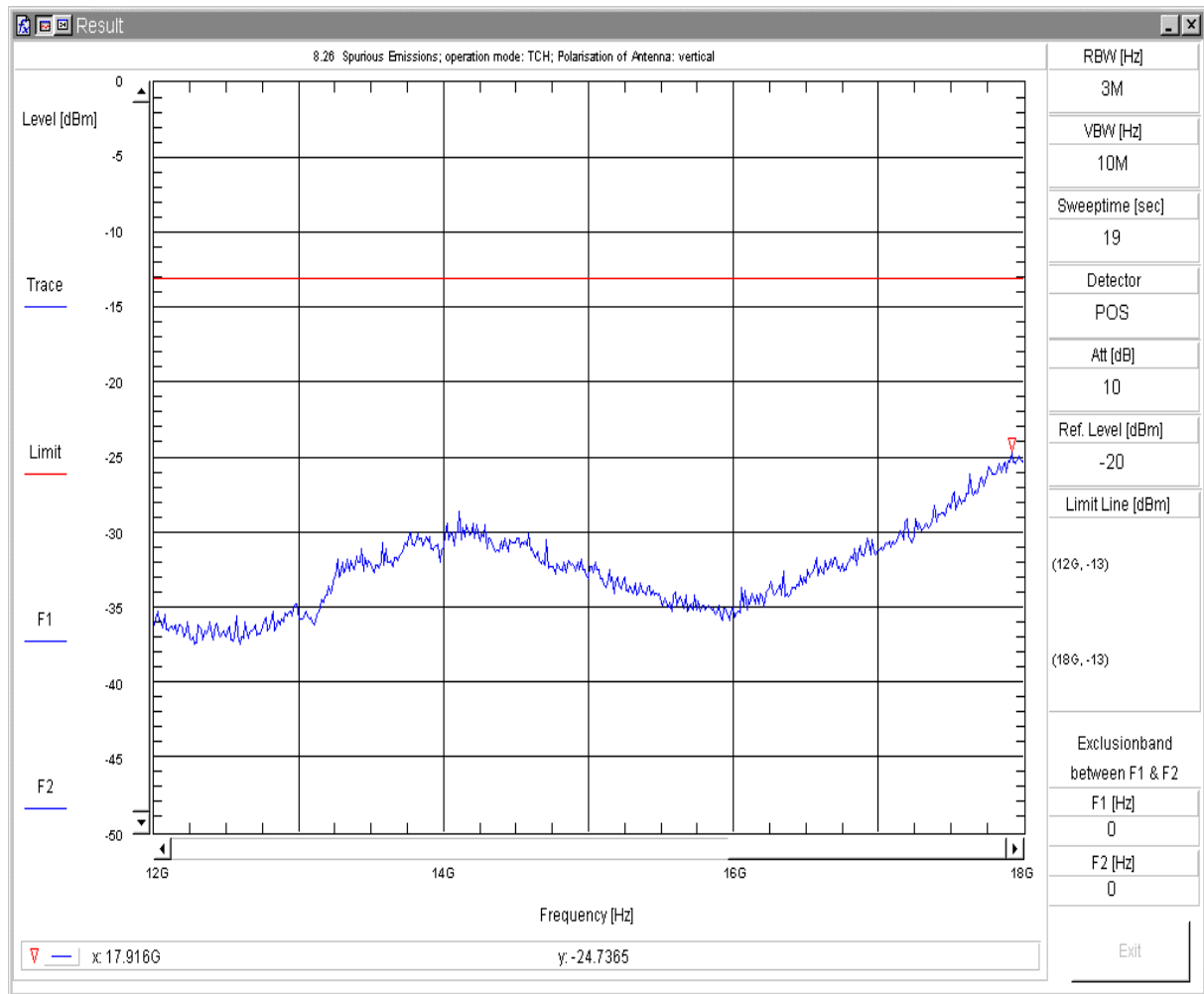


8.25 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep6
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 661
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 19:29:25pp

Spurious Emissions V7.2.5

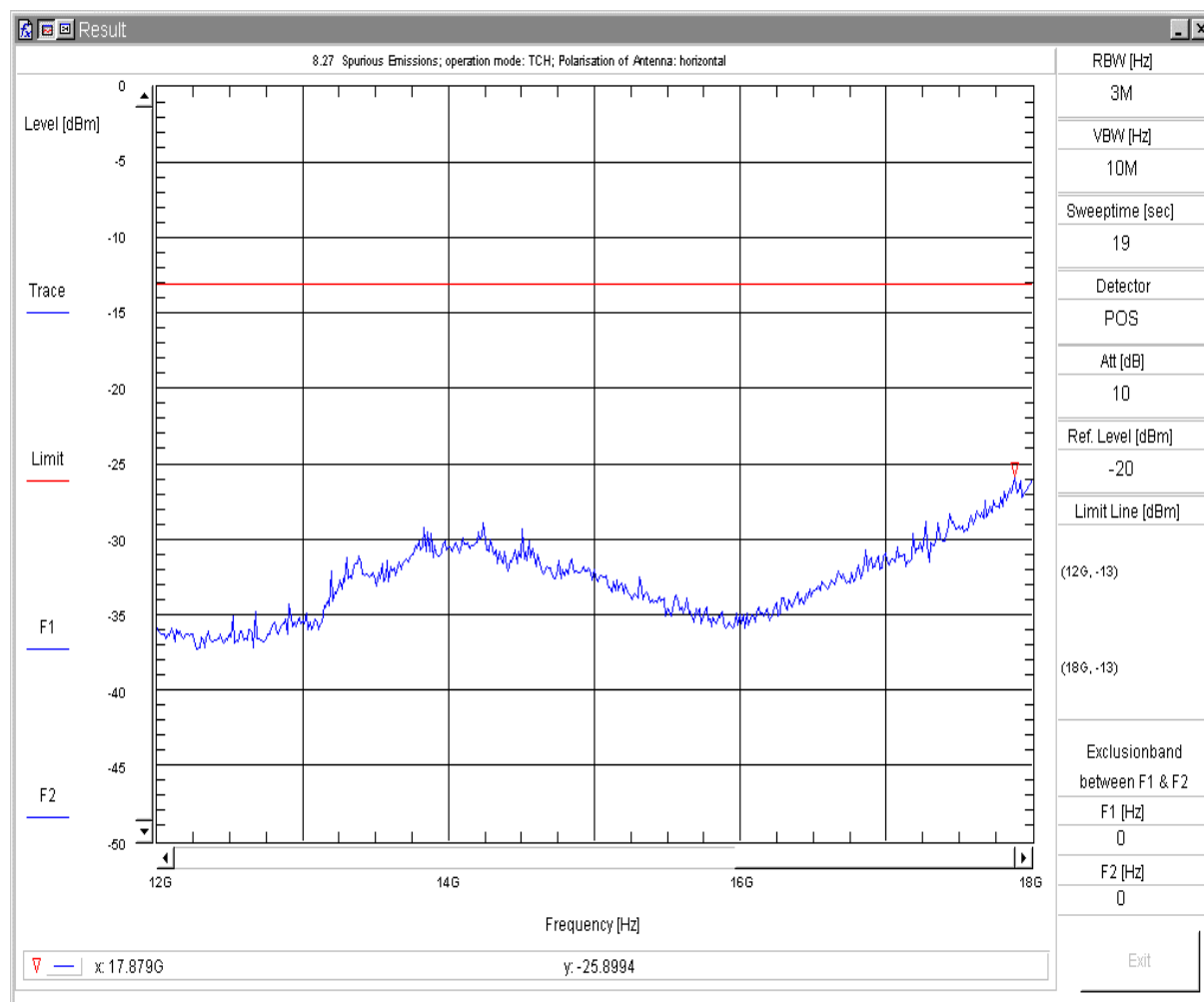


8.26 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep6
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 661
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 19:37:56pf

Spurious Emissions V7.2.5

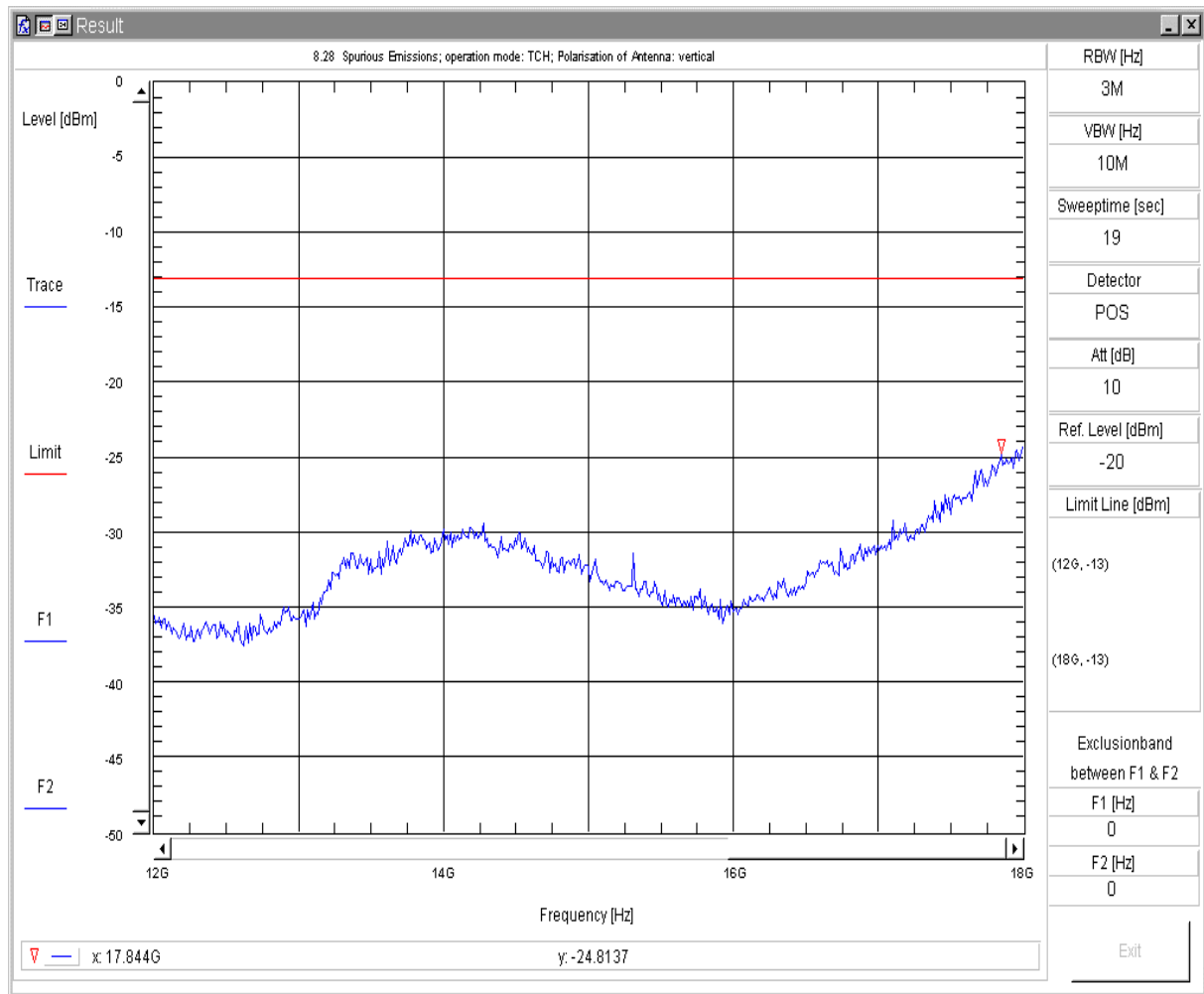


8.27 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep6
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 810
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 19:47:20pp

Spurious Emissions V7.2.5



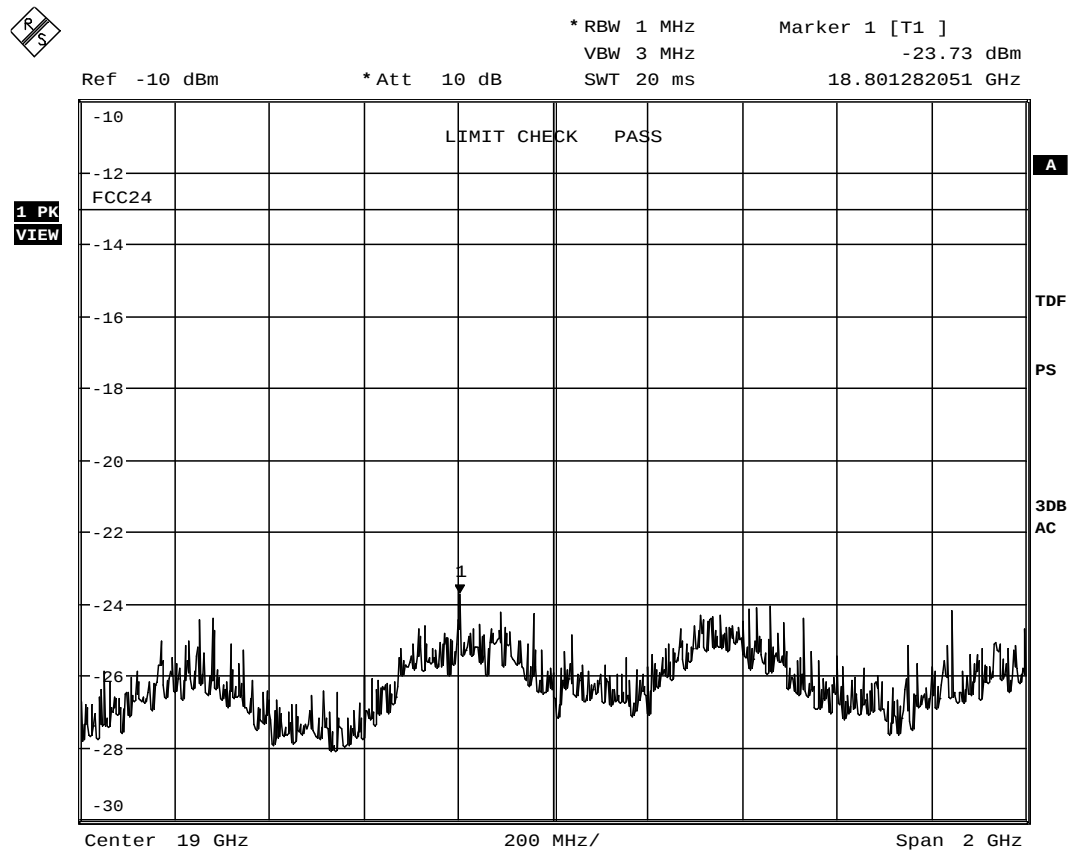
8.28 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep6
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: E-Reader DR800SG + USB Cable + Notebook
 EUT add. Info:
 EUT Hardware:
 EUT Software:
 EUT Config:
 EUT S/N: IMEI #13501
 Battery: Other; Nominal Voltage; USB approx 5.0 V
 Remark: channel 810
 Operator: Lor
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Mon 14/Sep/2009 19:56:46pp

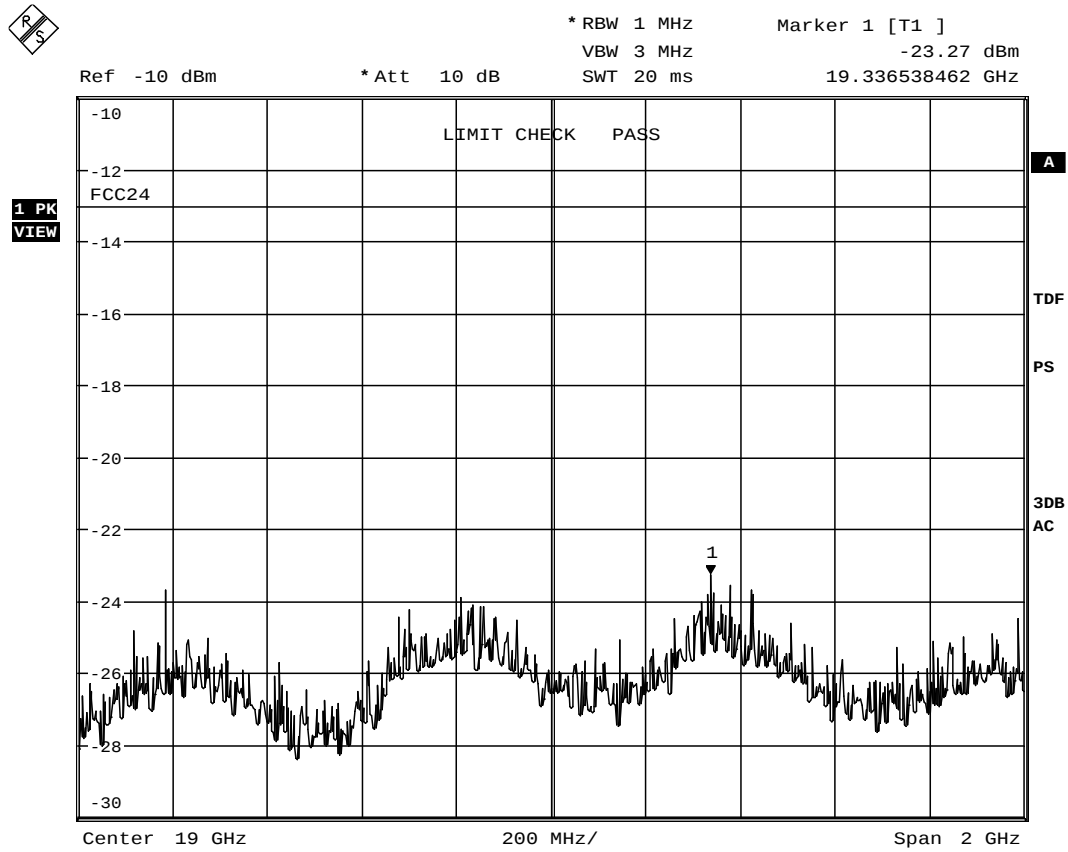
Spurious Emissions V7.2.5

1.3. Radiated emissions in the frequency range above 18GHz – GSM1900 Mode



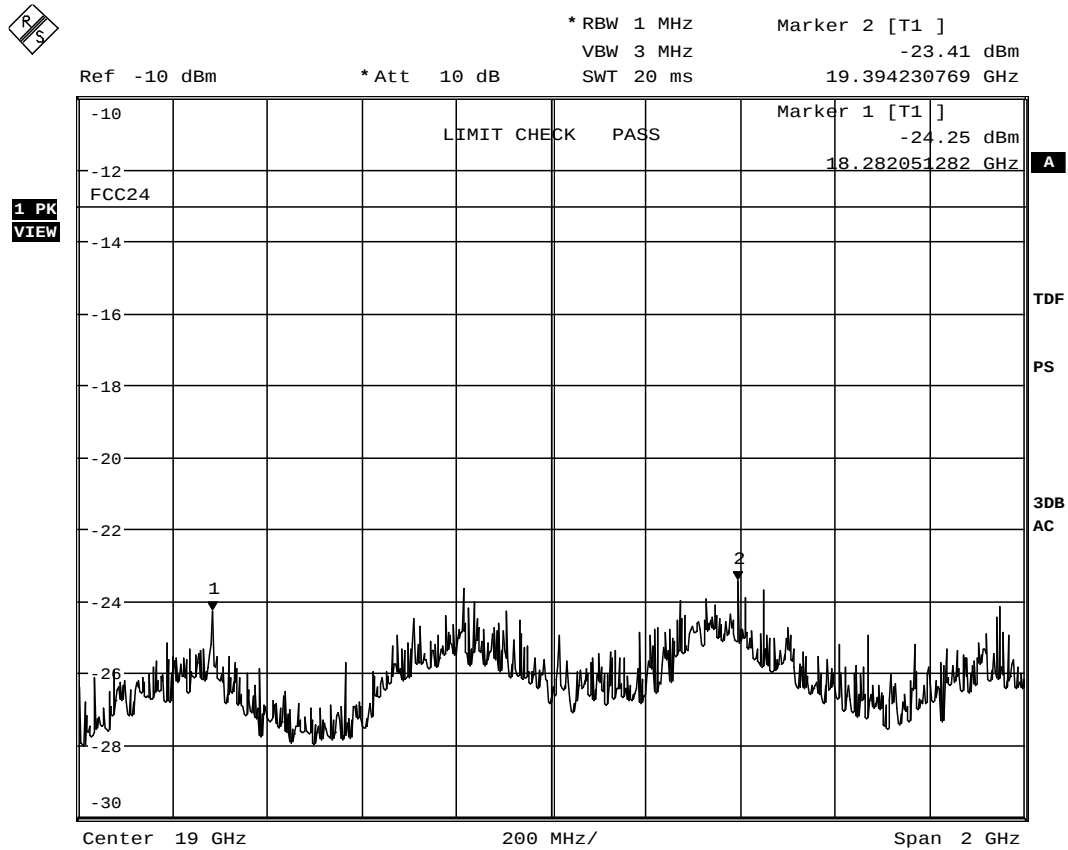
Date: 16.SEP.2009 11:35:51

Diagram 8.29 – Channel 512 (Overview measurement only)



Date: 16.SEP.2009 11:37:25

Diagram 8.30 – Channel 661 (Overview measurement only)



Date: 16.SEP.2009 11:39:49

Diagram 8.31 – Channel 810 (Overview measurement only)

1.4. Radiated magnetic field strength measurements ($f < 30\text{MHz}$)

Diagram No. 03.01

Common Information

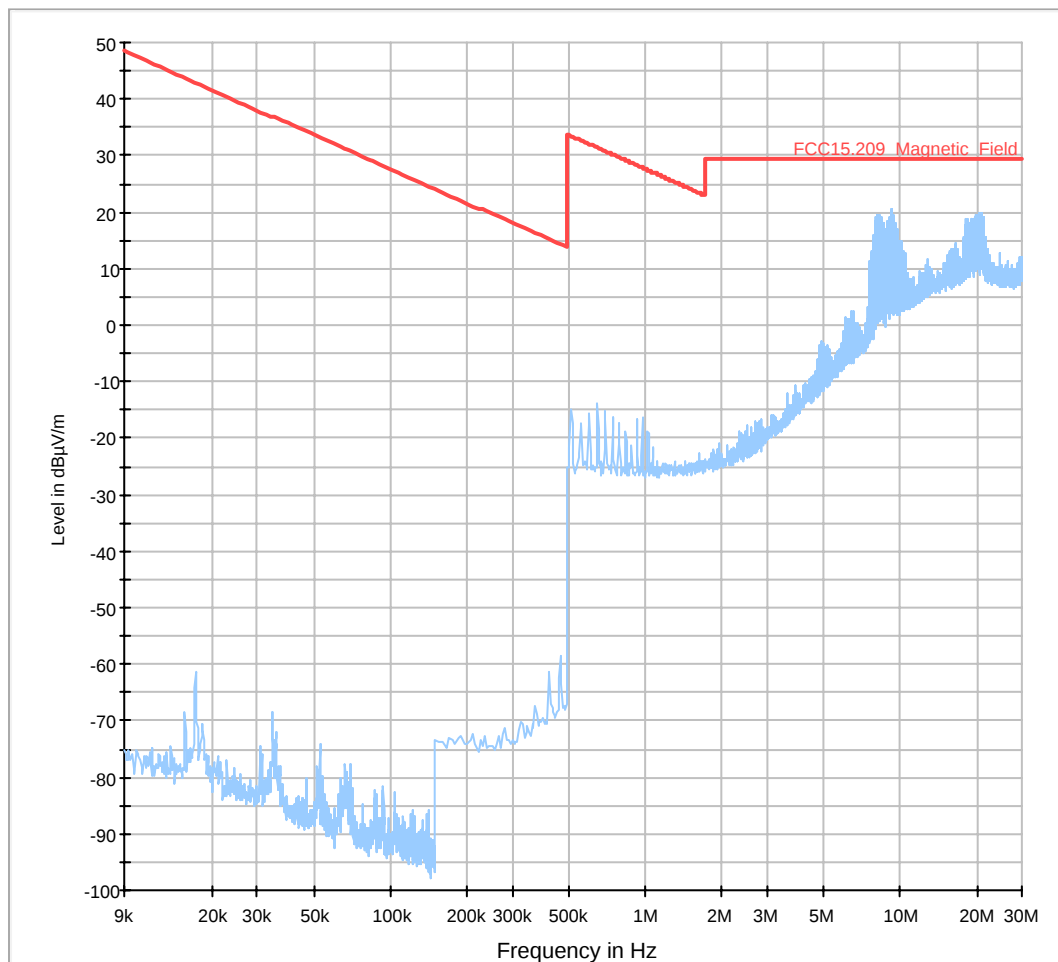
Test description:	Magnetic Fieldstrength Measurement related to 3 m distance
Test site and distance:	Semi Anechoic Room (SAR) with 3 m measurement distance
Measured sides of EUT:	front, right, rear, left
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Turntable step:	90° during pre-scan
Used filter:	bypass
Test specification.:	FCC 15.205 § 15.209

Operator:	Mza/Tas
Operating conditions:	TX-on
Comment 1:	Channel low 512 (PCS1900)

EUT Information

Description:	
EUT Name:	DR800 SG + USB Cable + AC/DC USB Charger
Manufacturer:	IREX
HW	--
SW	--
S/N	3

FCC15.209_magn hor+vert



EMI Auto Test Template: FCC15.209_magn hor+vert

Hardware Setup: HW25_FCC15109_ESCS_MgFeld_ohne_SAR_MATRIX
 Measurement Type: Open-Area-Test-Site
 Frequency Range: 9 kHz - 30 MHz
 Graphics Level Range: -100 dB μ V/m - 50 dB μ V/m

Preview Measurements:
 Antenna height: 1000 - 1000 cm , Step Size = 0 cm , Speed = 1
 Polarity: H + V
 Turntable position: 35 - 305 deg , Step Size = 90 deg , Speed = 5
 Scan Test Template: 01_FCC_MG_FELD_PK_FAST_H&V_EUT

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
9 kHz - 150 kHz	MaxPeak	200 Hz	0,01 s	ESCS 30
150 kHz - 30 MHz	MaxPeak	10 kHz	0,01 s	ESCS 30

Data Reduction:
 Limit Line #1: FCC15.209_Magnetic_Field
 Peak Search: 20 dB , Maximum Results: 10
 Subrange Maxima: 10 Subranges , Maxima per Subrange: 1
 Acceptance Offset: -10 dB
 Maximum Number of Results: 20

Adjustment:
 Antenna height: Adjustment with full Range , Speed = 1
 Turntable position: Adjustment with full Range , Speed = 1
 Template for Single Meas.: 01_FCC_MG_FELD_PK_FAST_H&V_EUT

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
9 kHz - 150 kHz	MaxPeak	200 Hz	0,01 s	ESCS 30
150 kHz - 30 MHz	MaxPeak	10 kHz	0,01 s	ESCS 30

Final Measurements:
 Template for Single Meas.: 02_FCC_MG_FELD_QP_final_H&V_EUT

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
9 kHz - 150 kHz	QuasiPeak	200 Hz	1 s	ESCS 30
150 kHz - 30 MHz	QuasiPeak	10 kHz	1 s	ESCS 30

Report Settings:
 Report Template: FCC15_209_magn_vert_hor
 Create Electronic Report: PDF
 Document Name: EMI Report

Diagram No. 03.02

Common Information

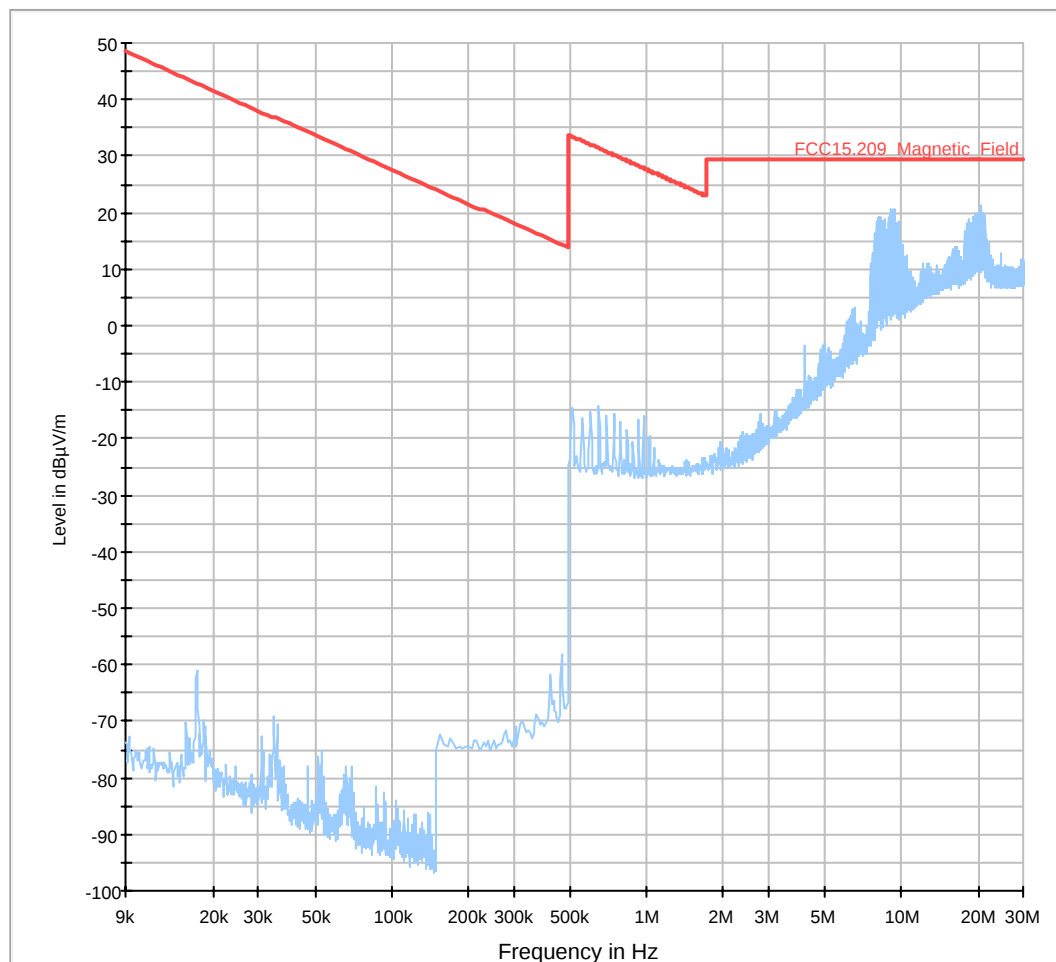
Test description:	Magnetic Fieldstrength Measurement related to 3 m distance
Test site and distance:	Semi Anechoic Room (SAR) with 3 m measurement distance
Measured sides of EUT:	front, right, rear, left
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Turntable step:	90° during pre-scan
Used filter:	bypass
Test specification.:	FCC 15.205 § 15.209

Operator:	Mza/Tas
Operating conditions:	TX-on
Comment 1:	Channel middle 661 (PCS1900)

EUT Information

Description:	
EUT Name:	DR800 SG + USB Cable + AC/DC USB Charger
Manufacturer:	IREX
HW	--
SW	--
S/N	3

FCC15.209_magn hor+vert



EMI Auto Test Template: FCC15.209_magn hor+vert

Hardware Setup: HW25_FCC15109_ESCS_MgFeld_ohne_SAR_MATRIX
 Measurement Type: Open-Area-Test-Site
 Frequency Range: 9 kHz - 30 MHz
 Graphics Level Range: -100 dB μ V/m - 50 dB μ V/m

Preview Measurements:
 Antenna height: 1000 - 1000 cm , Step Size = 0 cm , Speed = 1
 Polarity: H + V
 Turntable position: 35 - 305 deg , Step Size = 90 deg , Speed = 5
 Scan Test Template: 01_FCC_MG_FELD_PK_FAST_H&V_EUT

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
9 kHz - 150 kHz	MaxPeak	200 Hz	0,01 s	ESCS 30
150 kHz - 30 MHz	MaxPeak	10 kHz	0,01 s	ESCS 30

Data Reduction:
 Limit Line #1: FCC15.209_Magnetic_Field
 Peak Search: 20 dB , Maximum Results: 10
 Subrange Maxima: 10 Subranges , Maxima per Subrange: 1
 Acceptance Offset: -10 dB
 Maximum Number of Results: 20

Adjustment:
 Antenna height: Adjustment with full Range , Speed = 1
 Turntable position: Adjustment with full Range , Speed = 1
 Template for Single Meas.: 01_FCC_MG_FELD_PK_FAST_H&V_EUT

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
9 kHz - 150 kHz	MaxPeak	200 Hz	0,01 s	ESCS 30
150 kHz - 30 MHz	MaxPeak	10 kHz	0,01 s	ESCS 30

Final Measurements:
 Template for Single Meas.: 02_FCC_MG_FELD_QP_final_H&V_EUT

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
9 kHz - 150 kHz	QuasiPeak	200 Hz	1 s	ESCS 30
150 kHz - 30 MHz	QuasiPeak	10 kHz	1 s	ESCS 30

Report Settings:
 Report Template: FCC15_209_magn_vert_hor
 Create Electronic Report: PDF
 Document Name: EMI Report

Diagram No. 03.03**Common Information**

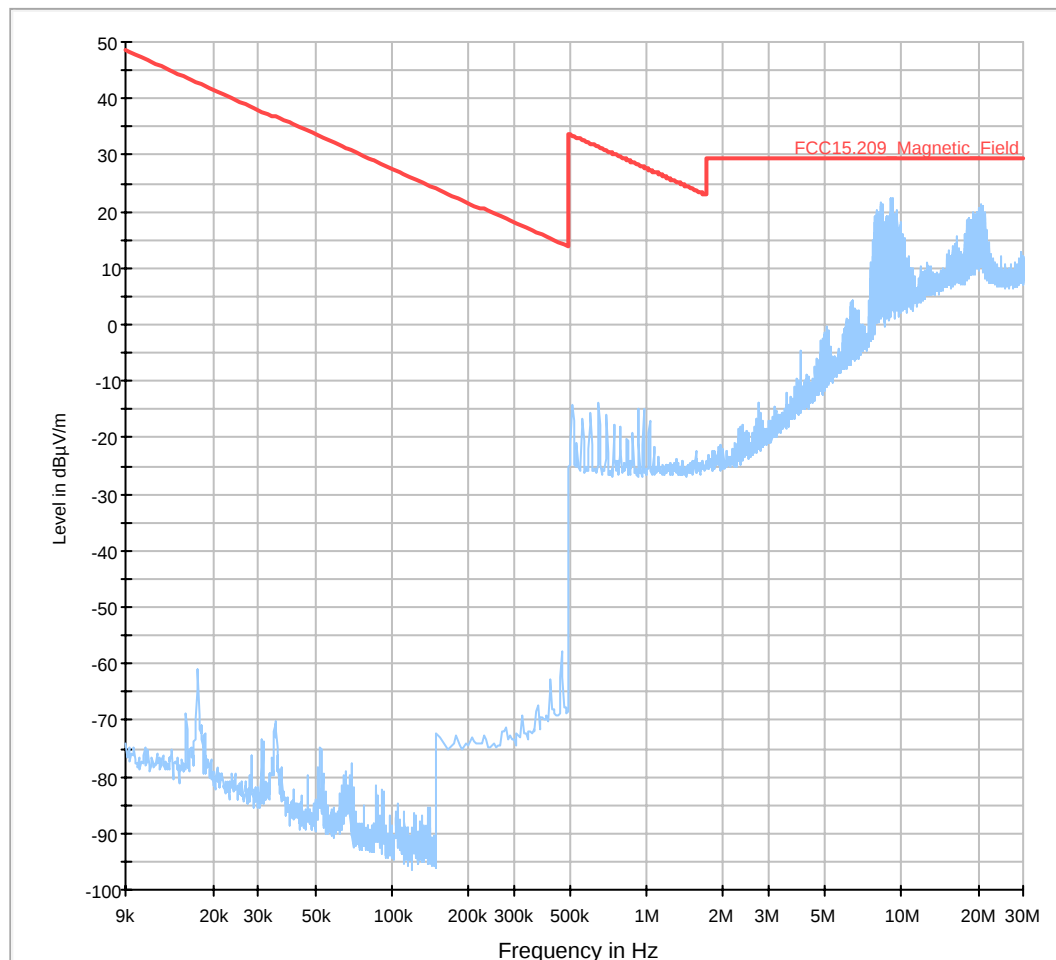
Test description:	Magnetic Fieldstrength Measurement related to 3 m distance
Test site and distance:	Semi Anechoic Room (SAR) with 3 m measurement distance
Measured sides of EUT:	front, right, rear, left
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Turntable step:	90° during pre-scan
Used filter:	bypass
Test specification.:	FCC 15.205 § 15.209

Operator:	Mza/Tas
Operating conditions:	TX-on
Comment 1:	Channel high 810 (PCS1900)

EUT Information

Description:	
EUT Name:	DR800 SG + USB Cable + AC/DC USB Charger
Manufacturer:	IREX
HW	--
SW	--
S/N	3

FCC15.209_magn hor+vert



EMI Auto Test Template: FCC15.209_magn hor+vert

Hardware Setup: HW25_FCC15109_ESCS_MgFeld_ohne_SAR_MATRIX
 Measurement Type: Open-Area-Test-Site
 Frequency Range: 9 kHz - 30 MHz
 Graphics Level Range: -100 dB μ V/m - 50 dB μ V/m

Preview Measurements:
 Antenna height: 1000 - 1000 cm , Step Size = 0 cm , Speed = 1
 Polarity: H + V
 Turntable position: 35 - 305 deg , Step Size = 90 deg , Speed = 5
 Scan Test Template: 01_FCC_MG_FELD_PK_FAST_H&V_EUT

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
9 kHz - 150 kHz	MaxPeak	200 Hz	0,01 s	ESCS 30
150 kHz - 30 MHz	MaxPeak	10 kHz	0,01 s	ESCS 30

Data Reduction:
 Limit Line #1: FCC15.209_Magnetic_Field
 Peak Search: 20 dB , Maximum Results: 10
 Subrange Maxima: 10 Subranges , Maxima per Subrange: 1
 Acceptance Offset: -10 dB
 Maximum Number of Results: 20

Adjustment:
 Antenna height: Adjustment with full Range , Speed = 1
 Turntable position: Adjustment with full Range , Speed = 1
 Template for Single Meas.: 01_FCC_MG_FELD_PK_FAST_H&V_EUT

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
9 kHz - 150 kHz	MaxPeak	200 Hz	0,01 s	ESCS 30
150 kHz - 30 MHz	MaxPeak	10 kHz	0,01 s	ESCS 30

Final Measurements:
 Template for Single Meas.: 02_FCC_MG_FELD_QP_final_H&V_EUT

Subrange	Detectors	IF Bandwidth	Meas. Time	Receiver
9 kHz - 150 kHz	QuasiPeak	200 Hz	1 s	ESCS 30
150 kHz - 30 MHz	QuasiPeak	10 kHz	1 s	ESCS 30

Report Settings:
 Report Template: FCC15_209_magn_vert_hor
 Create Electronic Report: PDF
 Document Name: EMI Report