

Annex 1: Diagrams
to
TEST REPORT
No.: 2-20785798c/10

According to:
FCC Regulations
FCC Part 22/24
FCC Part 15.209C
&
IC Regulations
RSS-132, Issue 2
RSS-133, Issue 5
RSS-Gen, Issue 2

for

Cinterion Wireless Modules GmbH

Quad-Band GSM/GPRS Module BG2-W
FCC-ID: QIPBG2
IC: 7830A-BG2





Laboratory Accreditation and Listings			
 Deutscher Akkreditierungs Rat DAT-P176/94-02	 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			
<p>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</p>			

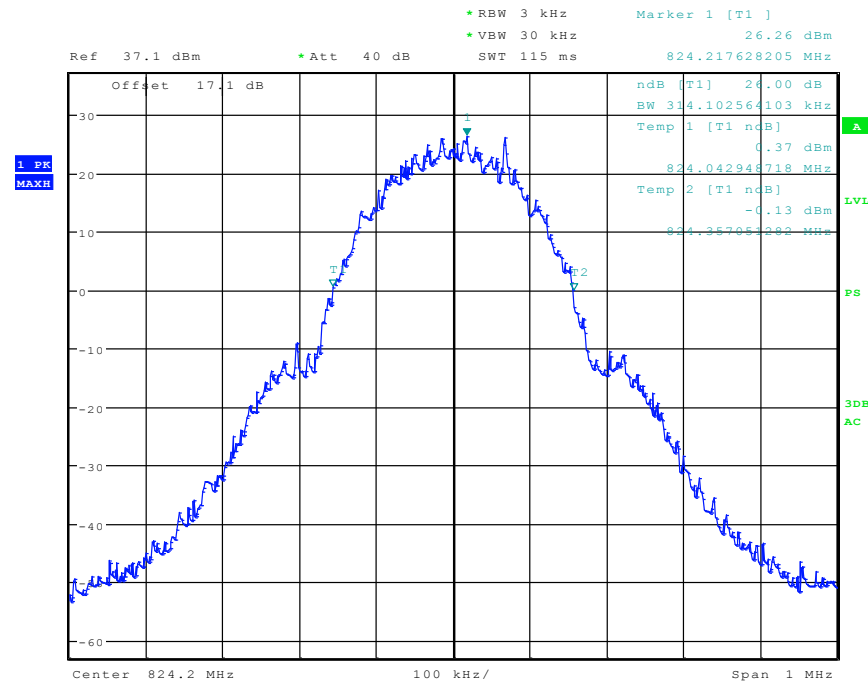
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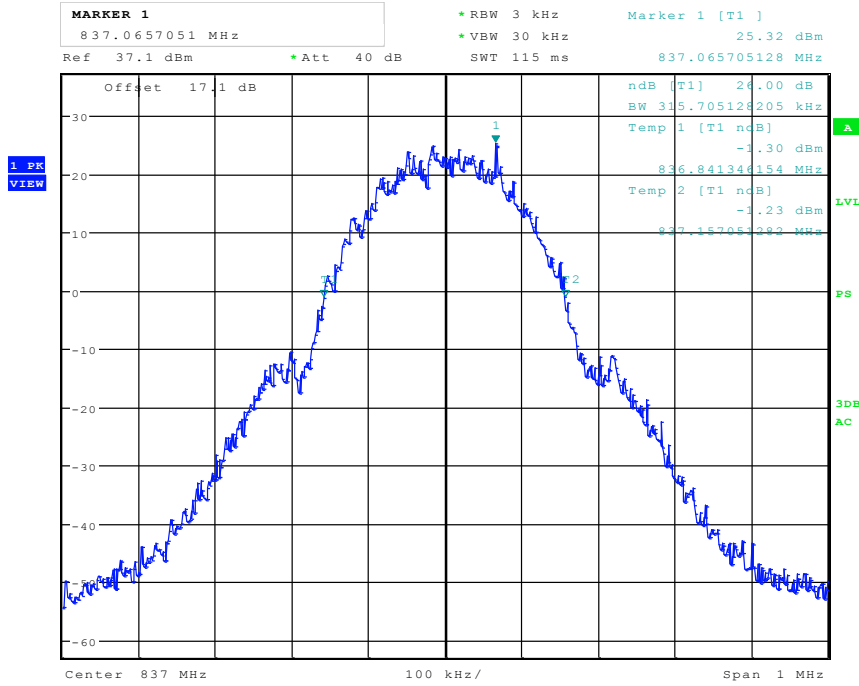
1. Diagrams

1.1. 26dBc Emission bandwidth

GSM 850

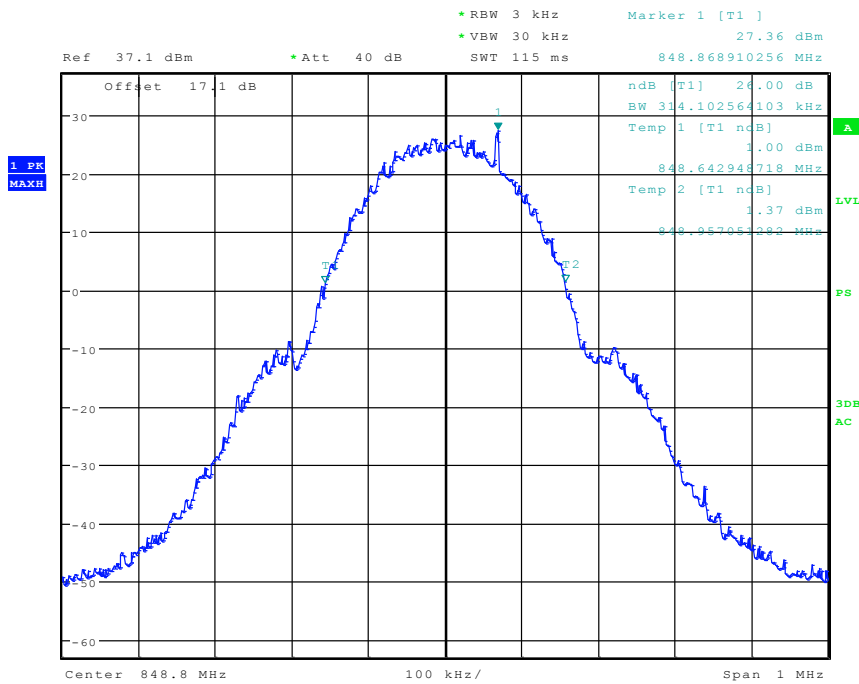


Date: 19.MAY.2010 17:18:23
Channel 128



Date: 19.MAY.2010 16:41:18

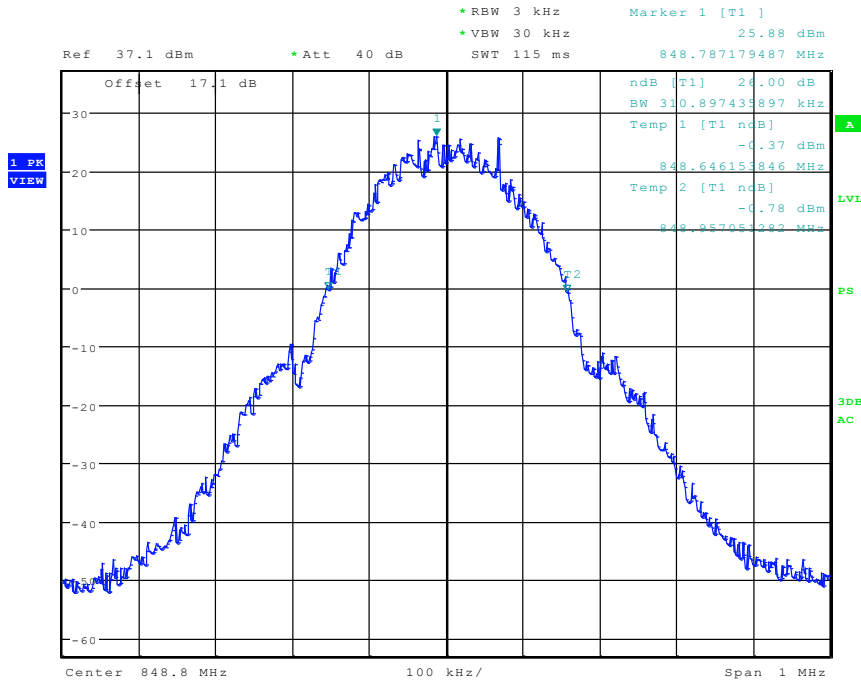
Channel 192



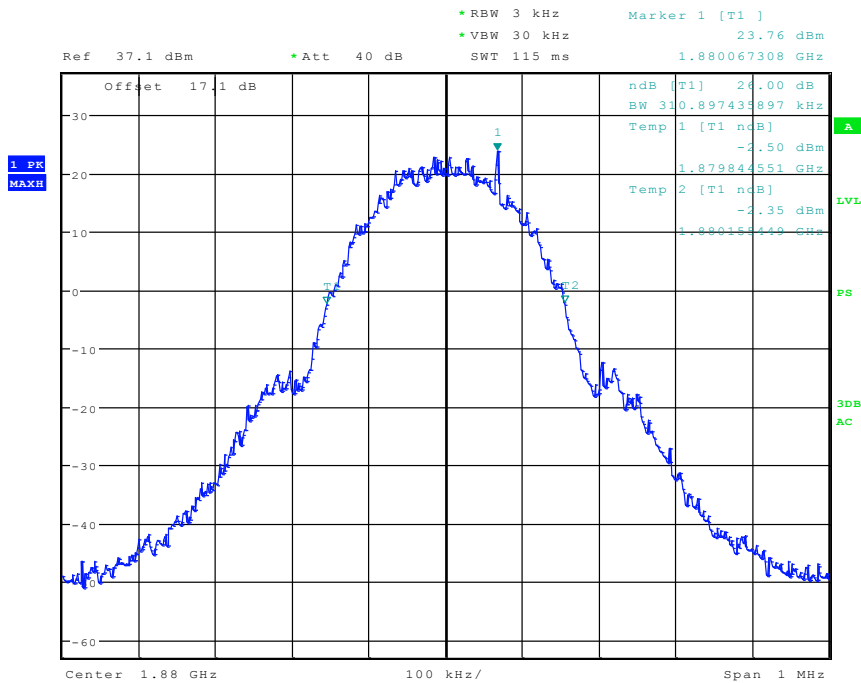
Date: 19.MAY.2010 17:26:37

Channel 251

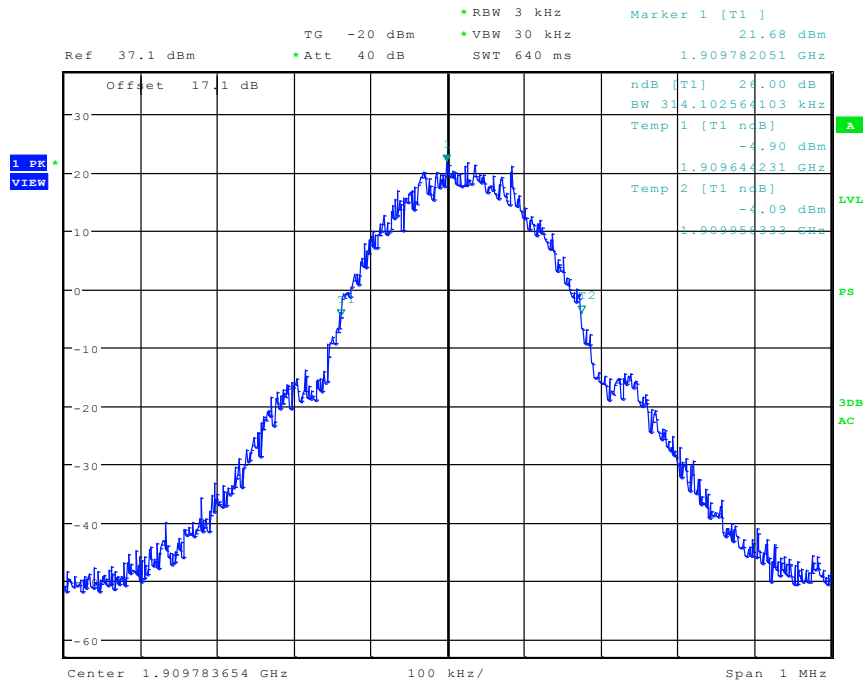
GSM 1900



Date: 10.MAY.2010 13:10:45
Channel 512



Date: 10.MAY.2010 13:23:13
Channel 661

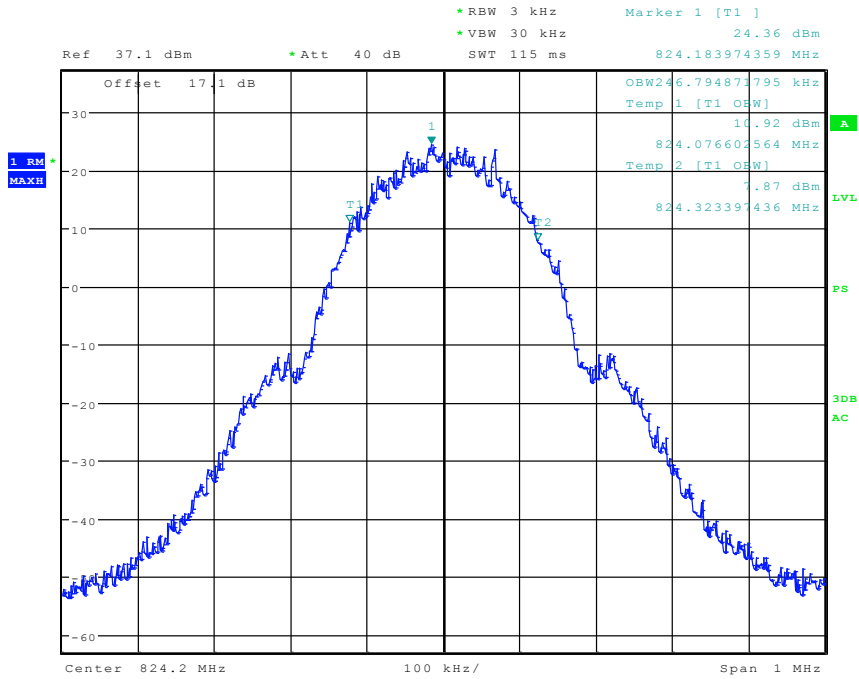


Date: 10.MAY.2010 13:29:43

Channel 810

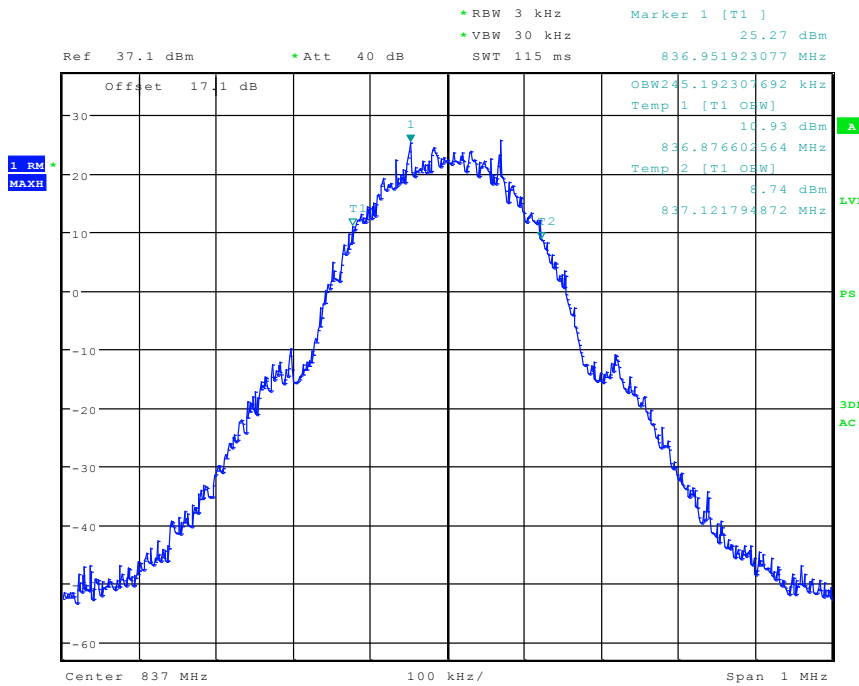
1.2. 99% Occupied bandwidth

GSM 850



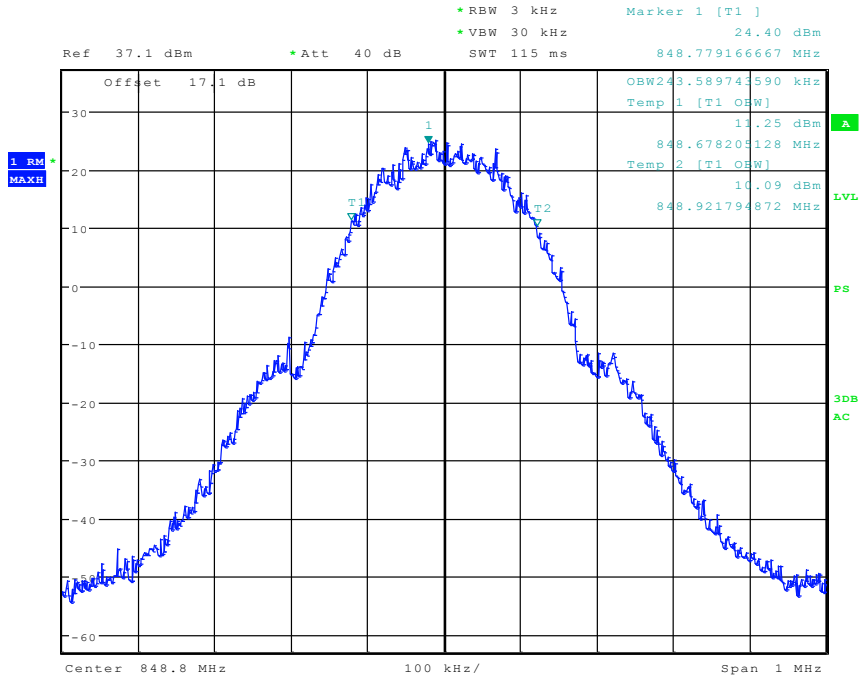
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Channel 128



Date: 19.MAY.2010 17:12:54

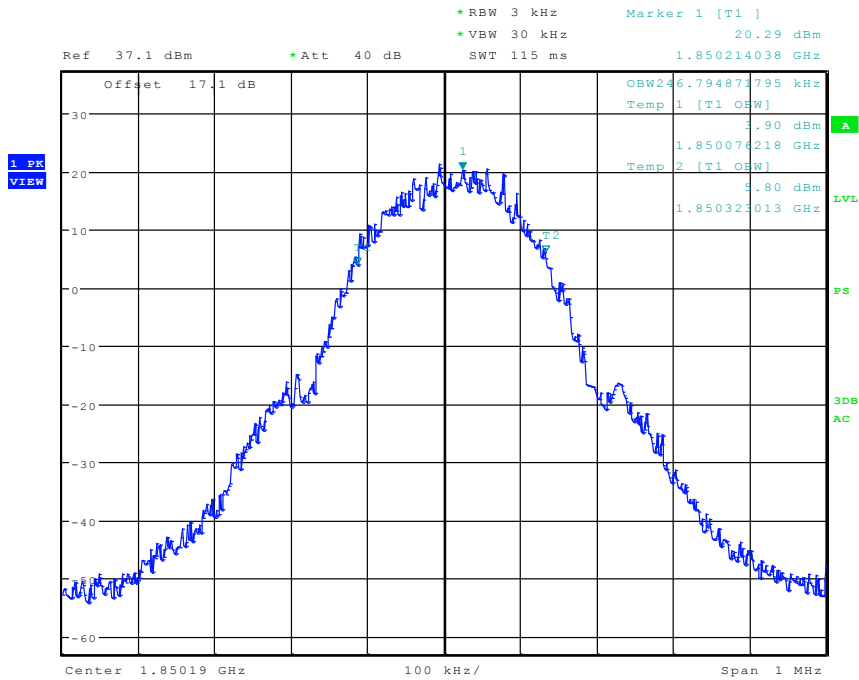
Channel 192



Date: 19.MAY.2010 17:47:15

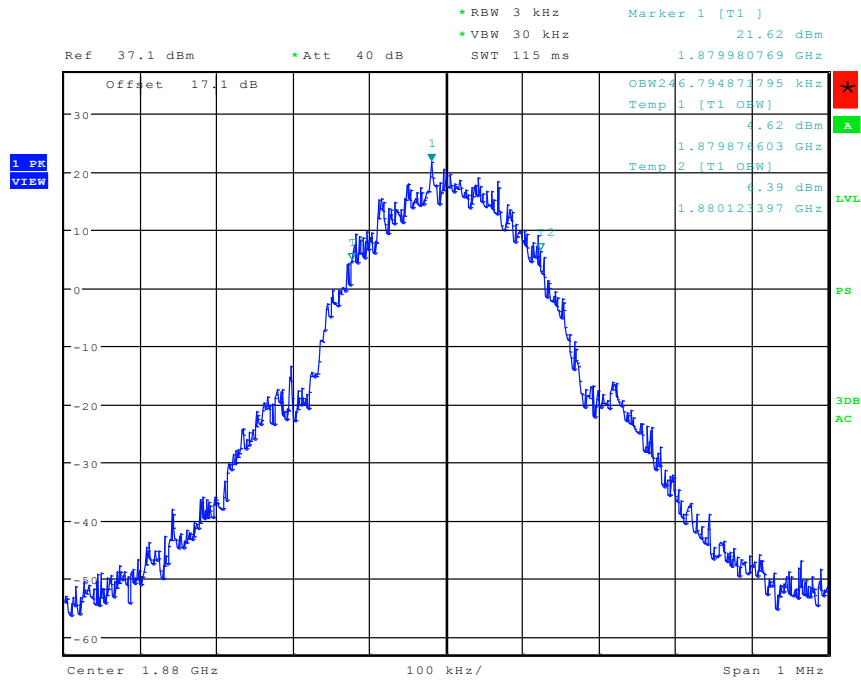
Channel 251

GSM 1900



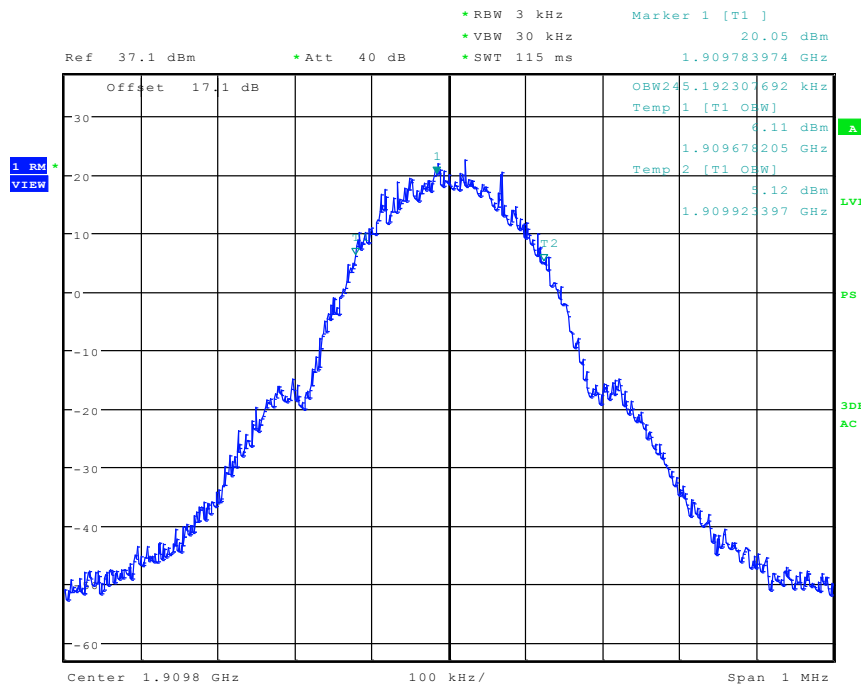
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Channel 512



Date: 10.MAY.2010 15:29:00

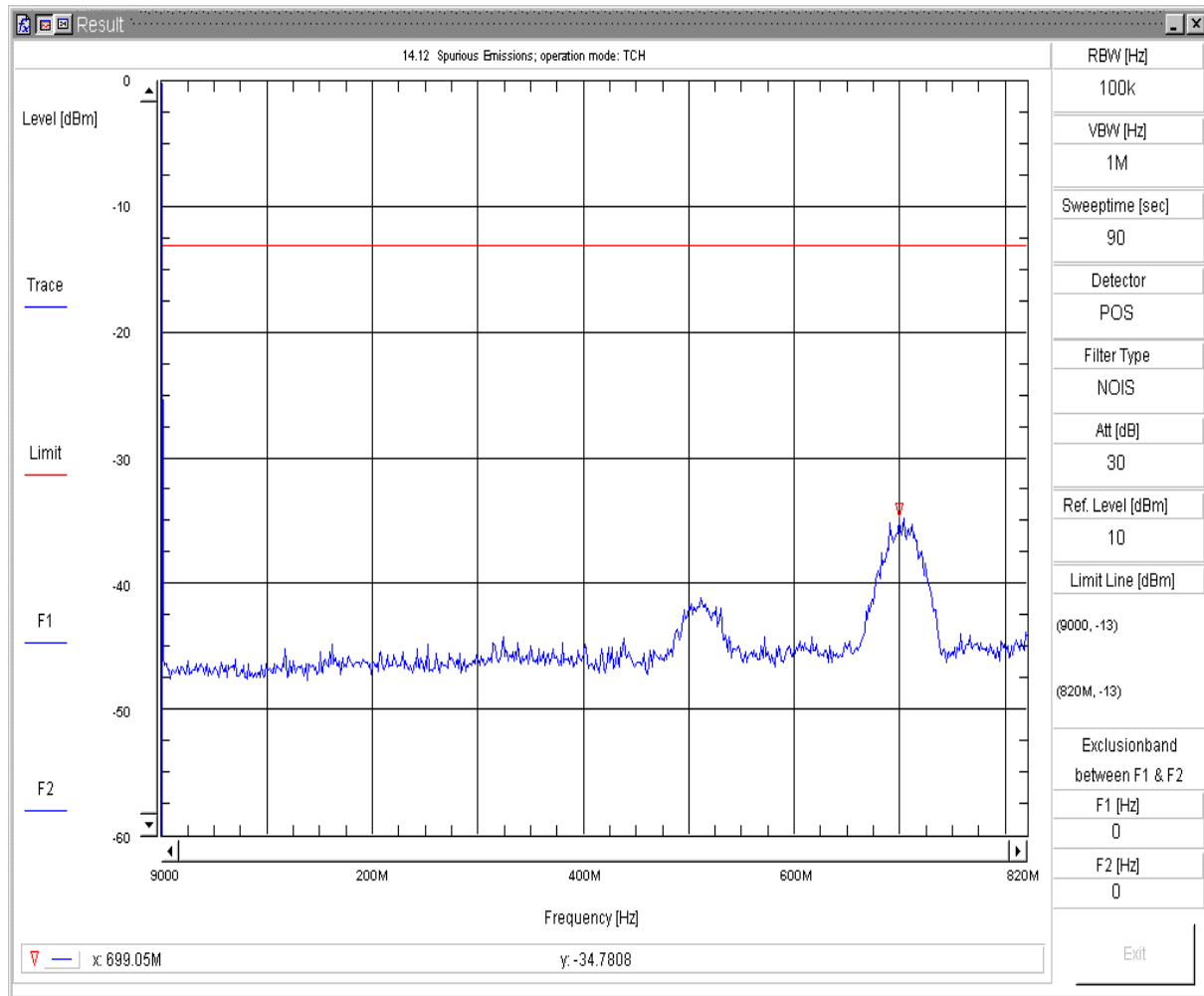
Channel 661



Date: 10.MAY.2010 13:36:12

Channel 810

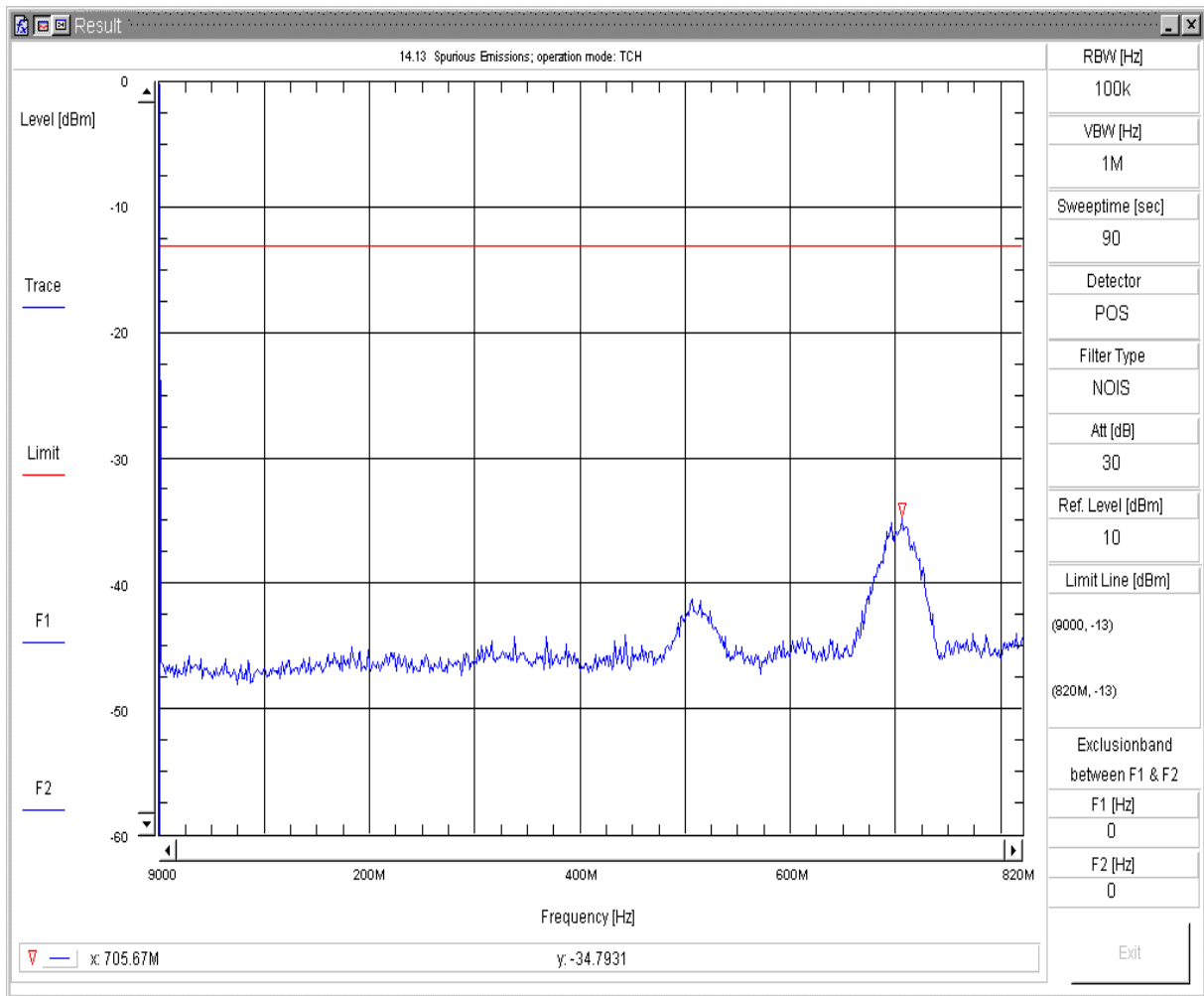
1.3. Spurious emissions conducted – GSM850 Mode (TX-mode)



14.12 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_22_850\TD_TX
 Sweepnr: Sweep1
 EUT OP Mode: FCC_Part_22_850 TCH
 UE Power: 32.71 dBm / 32.71 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 128 MHz
 EUT Description: BG2-W (HW: 00.656), HS-Votronic
 Battery: Power Supply (external); Nominal Voltage; 4.5 VDC
 Remark: ESU reported 32,71 dBm of UE pwr
 Operator: x_Ken
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 14/May/2010 15:17:340

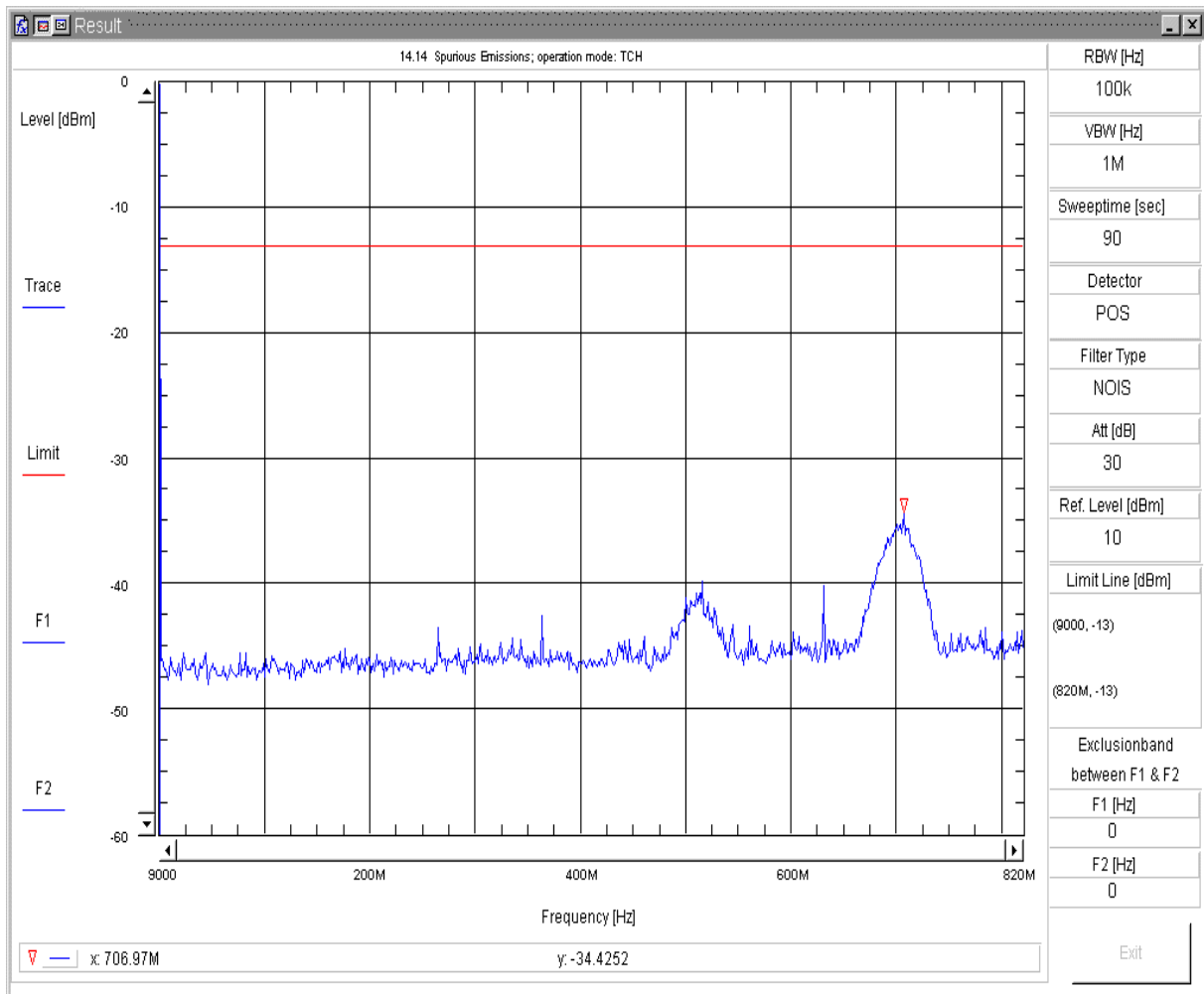
Conducted Spurious Emissions V7.1.5



14.13 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_22_850\TD_TX
 Sweepnr: Sweep1
 EUT OP Mode: FCC_Part_22_850 TCH
 UE Power: 32.80 dBm / 32.80 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 192 MHz
 EUT Description: BG2-W (HW: 00.656), HS-Votronic
 Battery: Power Supply (external); Nominal Voltage; 4.5 VDC
 Remark: ESU reported 32,80 dBm of UE pwr
 Operator: x_Ken
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 14/May/2010 15:38:010

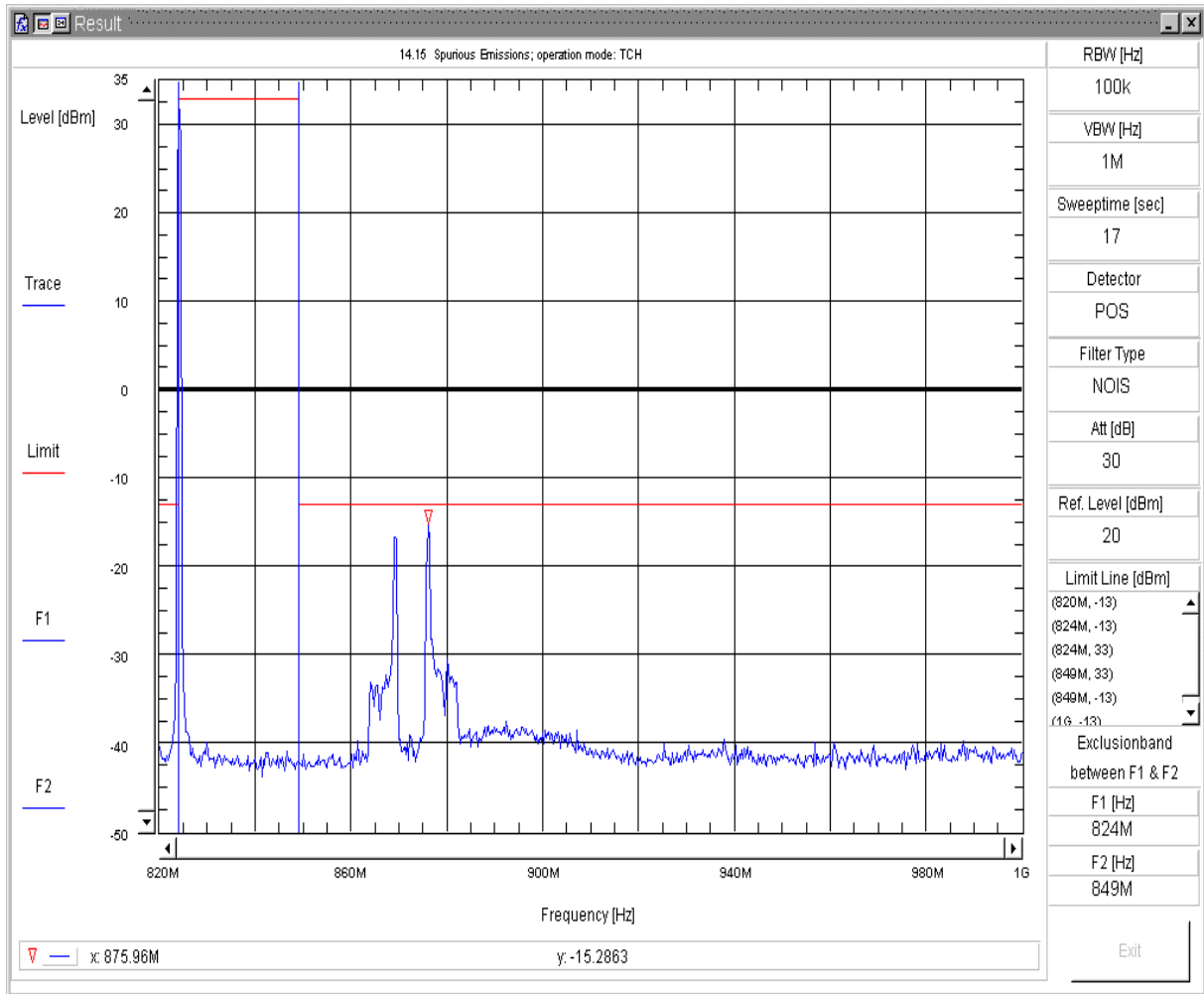
Conducted Spurious Emissions V7.1.5



14.14 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_22_850\TD_TX
 Sweepnr: Sweep1
 EUT OP Mode: FCC_Part_22_850 TCH
 UE Power: 32.80 dBm / 32.80 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 192 MHz
 EUT Description: BG2-W (HW: 00.656), HS-Votronic
 Battery: Power Supply (external); Nominal Voltage; 4.5 VDC
 Remark: ESU reported 32,78 dBm of UE pwr
 Operator: x_Ken
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 14/May/2010 15:53:460

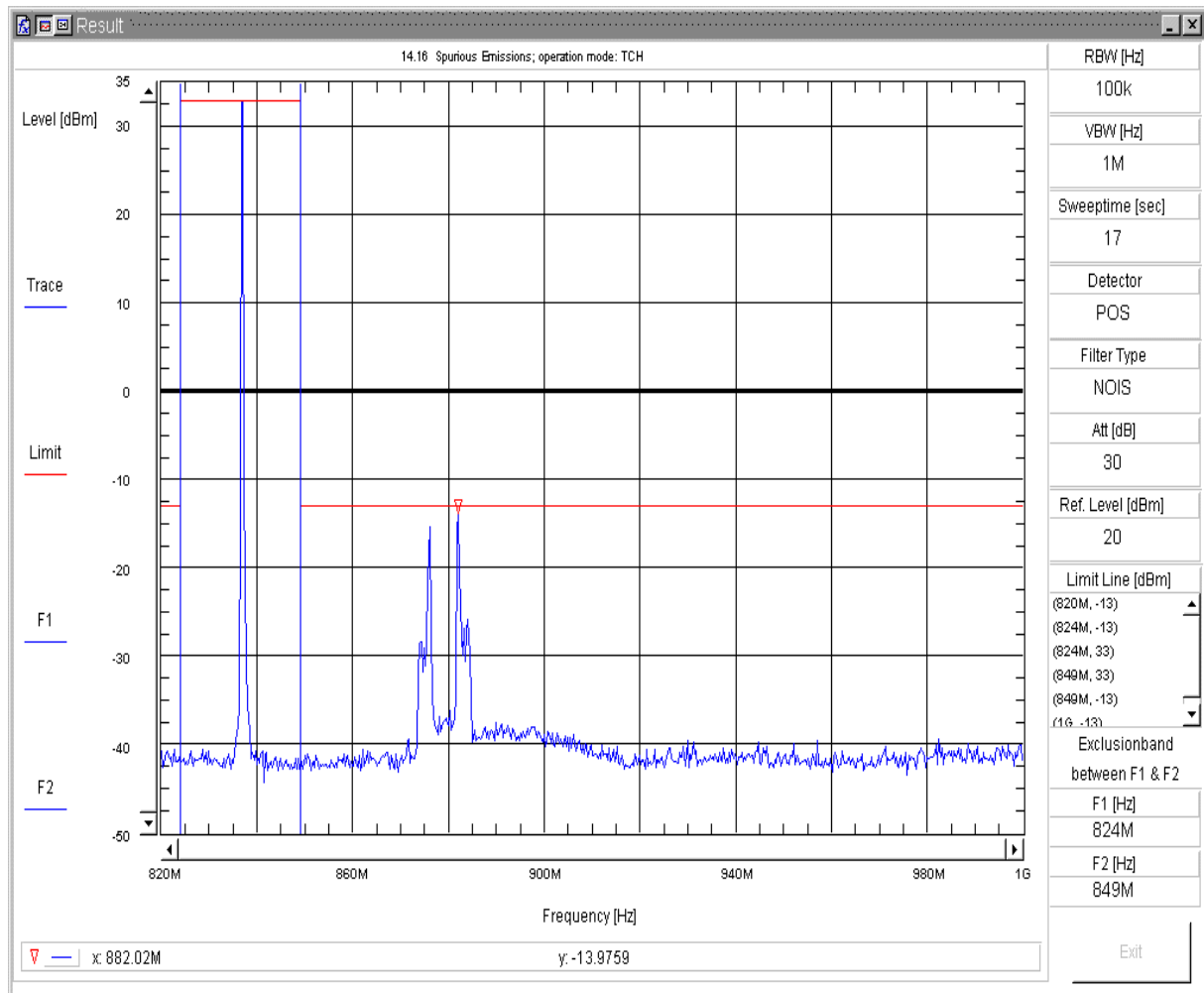
Conducted Spurious Emissions V7.1.5



14.15 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_22_850\TD_TX
 Sweepnr: Sweep2
 EUT OP Mode: FCC_Part_22_850 TCH
 UE Power: 32.71 dBm / 32.71 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 128 MHz
 EUT Description: BG2-W (HW: 00.656), HS-Votronic
 Battery: Power Supply (external); Nominal Voltage; 4.5 VDC
 Remark: ESU reported 32,71 dBm of UE pwr
 Operator: x_Ken
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 14/May/2010 15:21:220

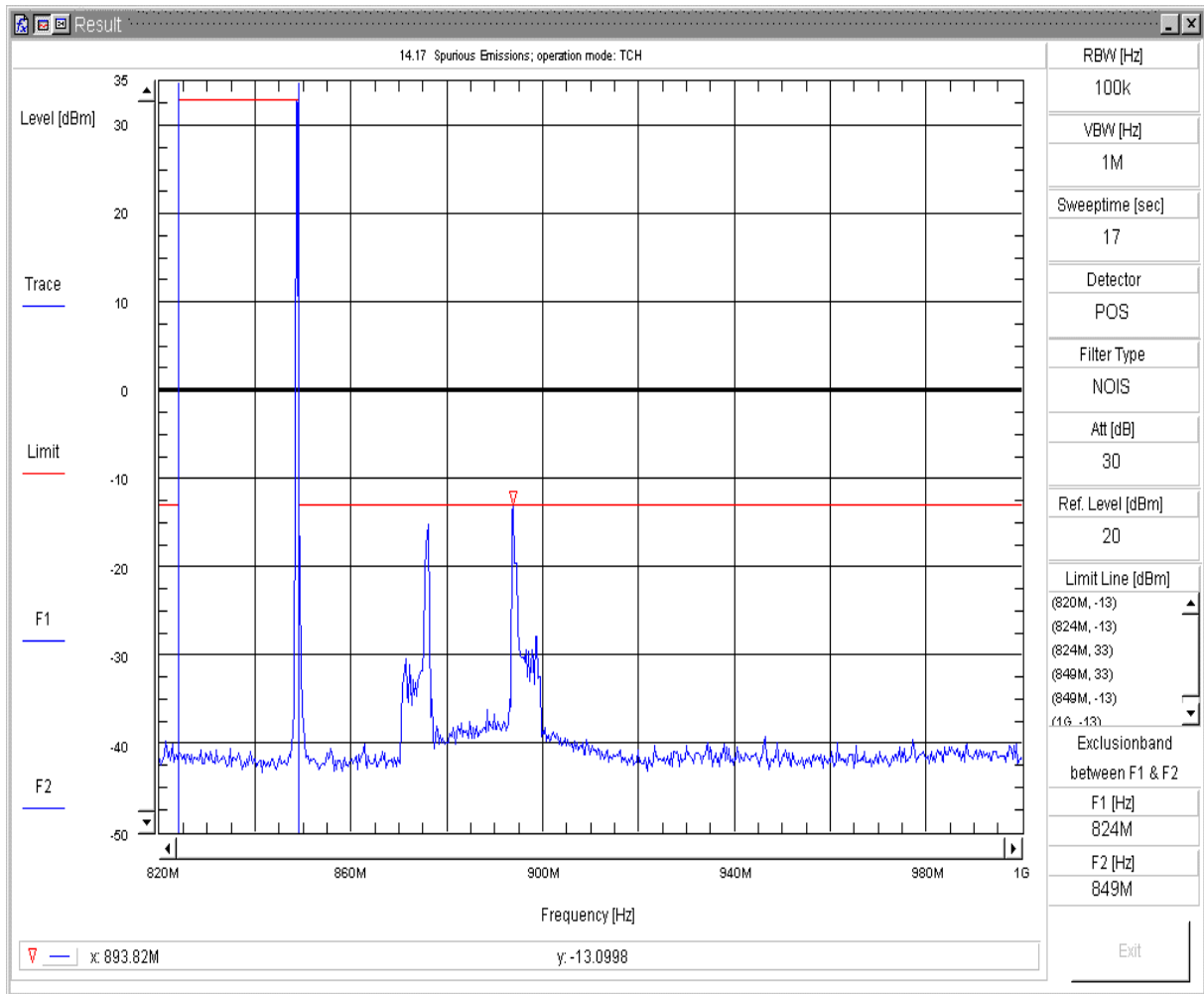
Conducted Spurious Emissions V7.1.5



14.16 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_22_850\TD_TX
 Sweepnr: Sweep2
 EUT OP Mode: FCC_Part_22_850 TCH
 UE Power: 32.80 dBm / 32.80 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 192 MHz
 EUT Description: BG2-W (HW: 00.656), HS-Votronic
 Battery: Power Supply (external); Nominal Voltage; 4.5 VDC
 Remark: ESU reported 32,80 dBm of UE pwr
 Operator: x_Ken
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 14/May/2010 15:35:410

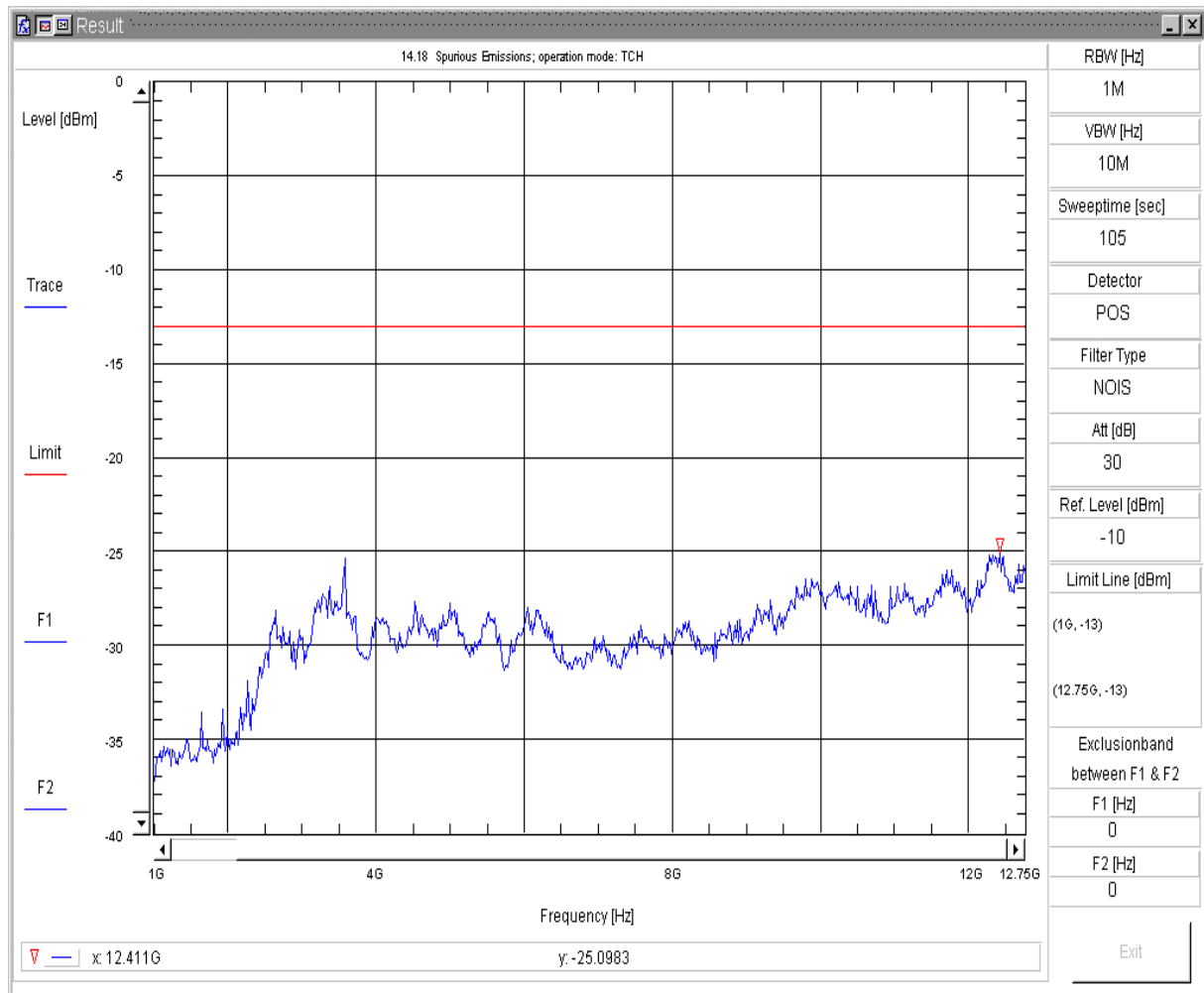
Conducted Spurious Emissions V7.1.5



14.17 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_22_850\TD_TX
 Sweepnr: Sweep2
 EUT OP Mode: FCC_Part_22_850 TCH
 UE Power: 32.98 dBm / 32.98 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 251 MHz
 EUT Description: BG2-W (HW: 00.656), HS-Votronic
 Battery: Power Supply (external); Nominal Voltage; 4.5 VDC
 Remark: ESU reported 32,98 dBm of UE pwr
 Operator: x_Ken
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 14/May/2010 14:40:050

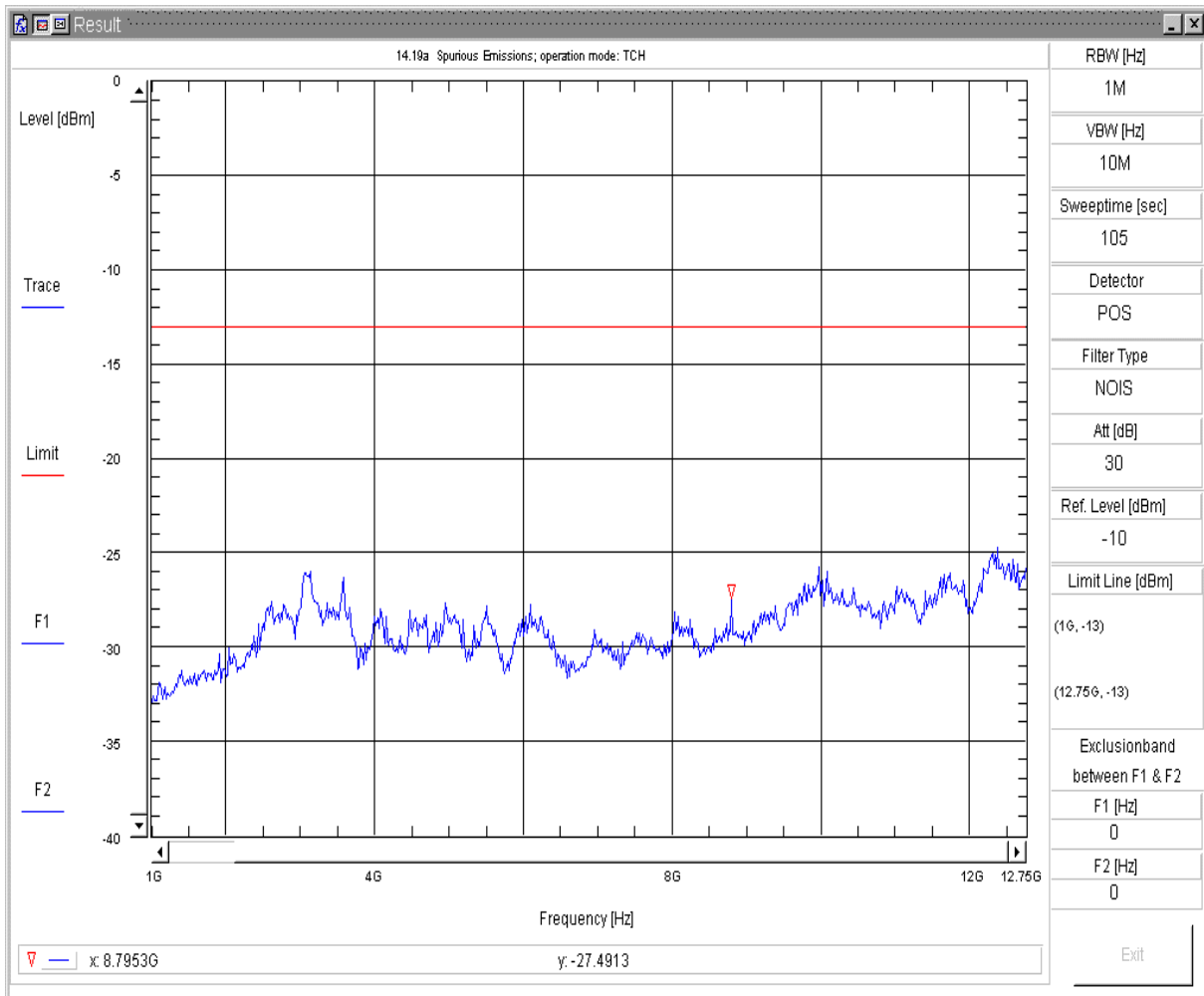
Conducted Spurious Emissions V7.1.5



14.18 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_22_850\TD_TX
 Sweepnr: Sweep3
 EUT OP Mode: FCC_Part_22_850 TCH
 UE Power: 32.71 dBm / 32.71 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 128 MHz
 EUT Description: BG2-W (HW: 00.656), HS-Votronic
 Battery: Power Supply (external); Nominal Voltage; 4.5 VDC
 Remark: ESU reported 32,71 dBm of UE pwr
 Operator: x_Ken
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 14/May/2010 15:23:360

Conducted Spurious Emissions V7.1.5

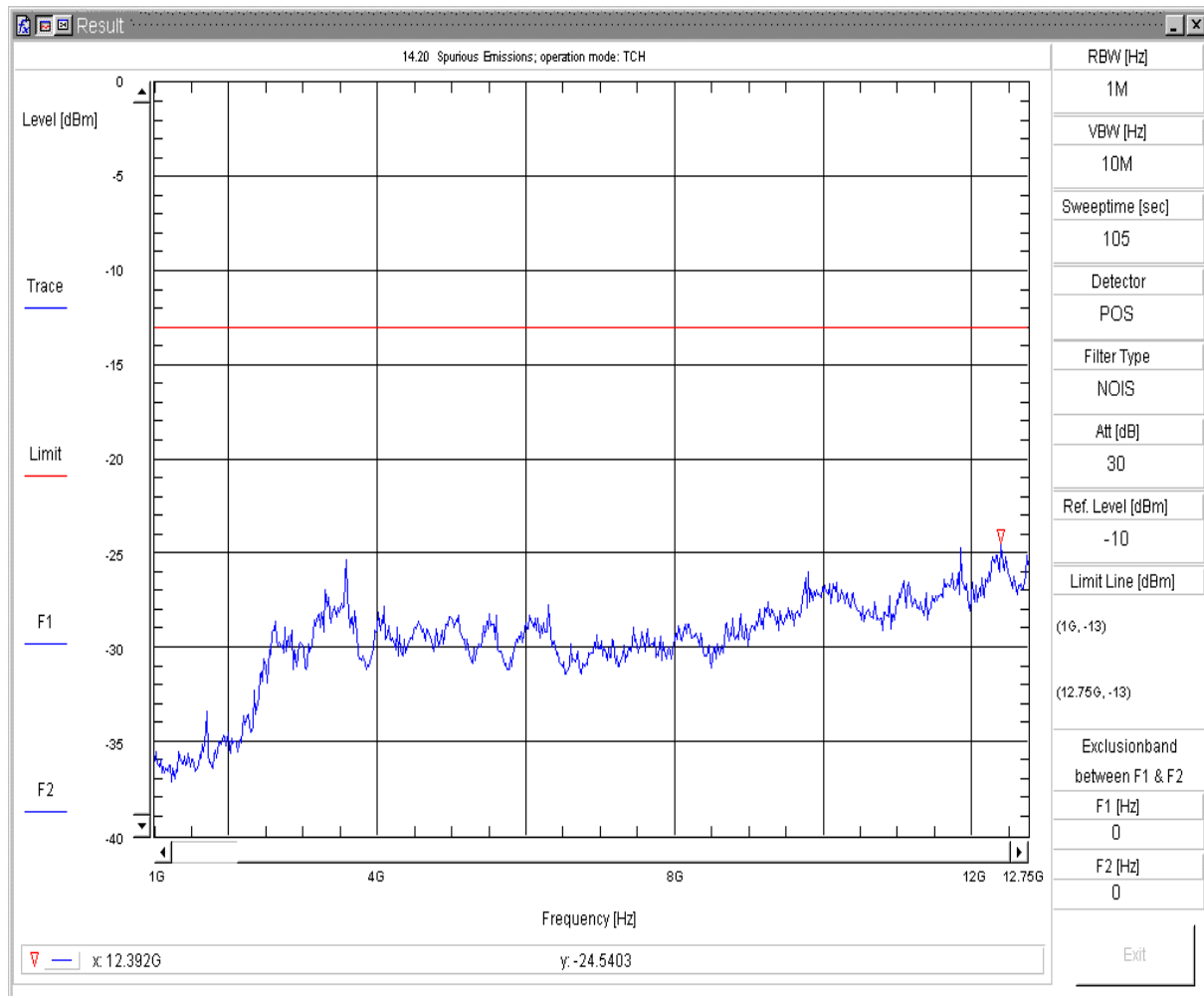


14.19a Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_22_850\TD_TX
 Sweepnr: Sweep3
 EUT OP Mode: FCC_Part_22_850 TCH
 UE Power: 25.1 dBm / 25.1 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 192 MHz
 EUT Description: BG2-W
 EUT Hardware: 00.656
 EUT Software:
 EUT Config: HS-Votronic
 EUT S/N:
 Battery: Power Supply (external); Nominal Voltage; 4.5 VDC
 Remark: channel 192
 Operator: Tas
 Testing Site: Radio Laboratory; CETECOM Essen

Thu 20/May/2010 11:34:470

Conducted Spurious Emissions V7.1.5

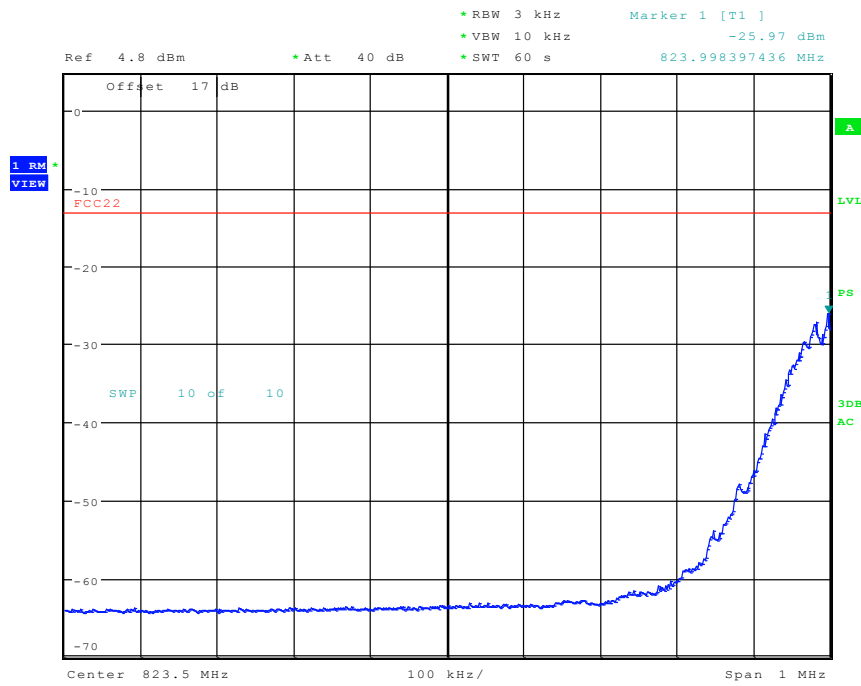


14.20 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_22_850\TD_TX
 Sweepnr: Sweep3
 EUT OP Mode: FCC_Part_22_850 TCH
 UE Power: 32.98 dBm / 32.98 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 251 MHz
 EUT Description: BG2-W (HW: 00.656), HS-Votronic
 Battery: Power Supply (external); Nominal Voltage; 4.5 VDC
 Remark: ESU reported 32,98 dBm of UE pwr
 Operator: x_Ken
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 14/May/2010 14:46:570

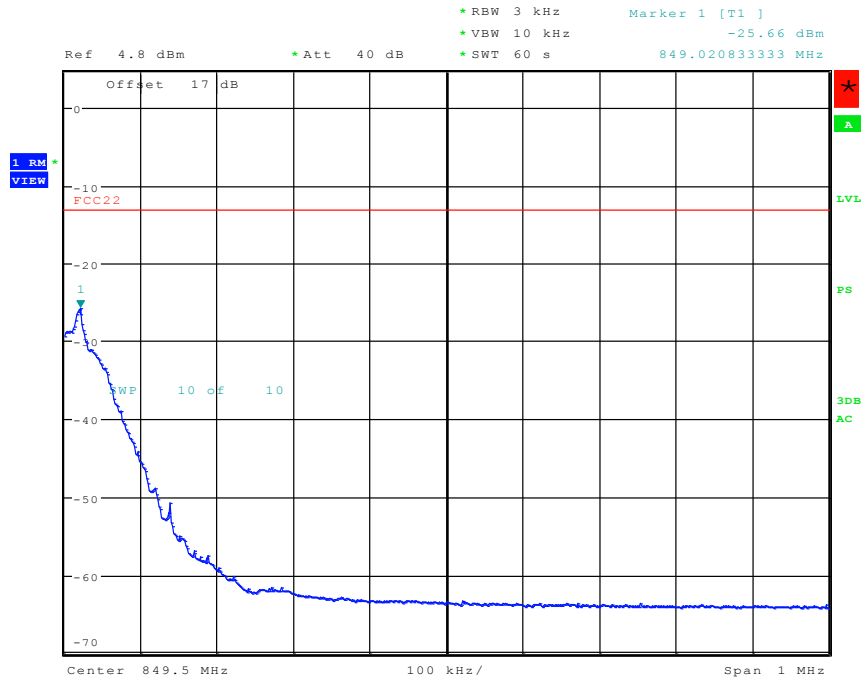
Conducted Spurious Emissions V7.1.5

Band Edge compliance, channel 128 – GMSK



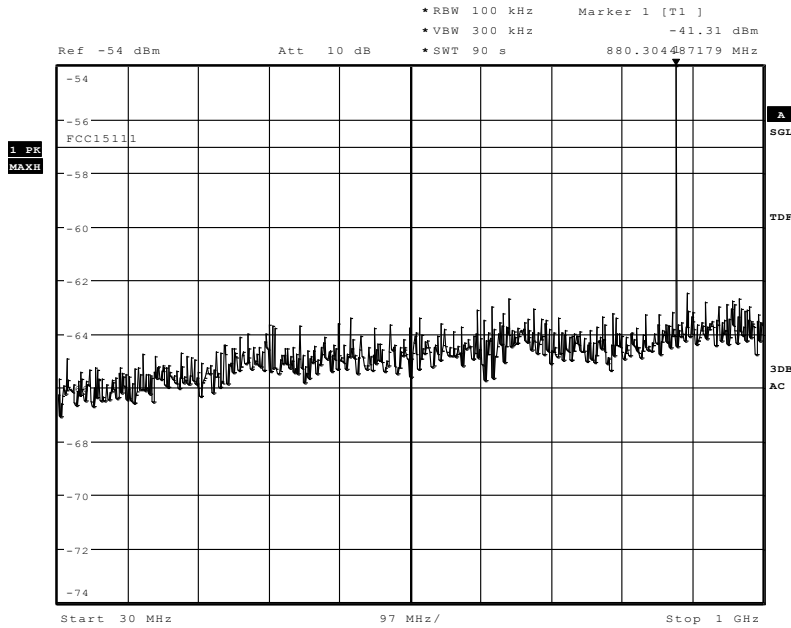
Date: 14.MAY.2010 17:15:07

Band Edge compliance, channel 251 – GMSK



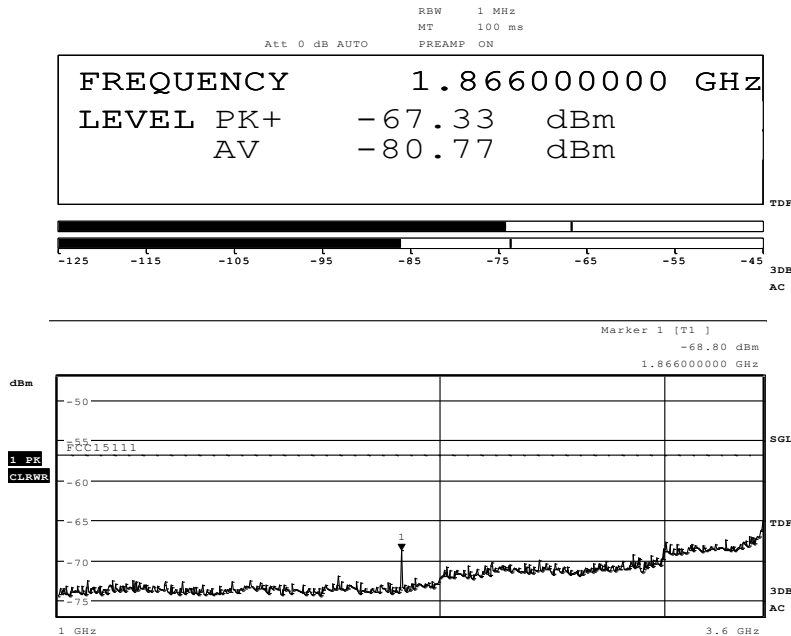
Date: 14.MAY.2010 18:18:58

1.4. Spurious emissions conducted – IDLE 850 Mode (RX) accord. FCC15.111 requirement



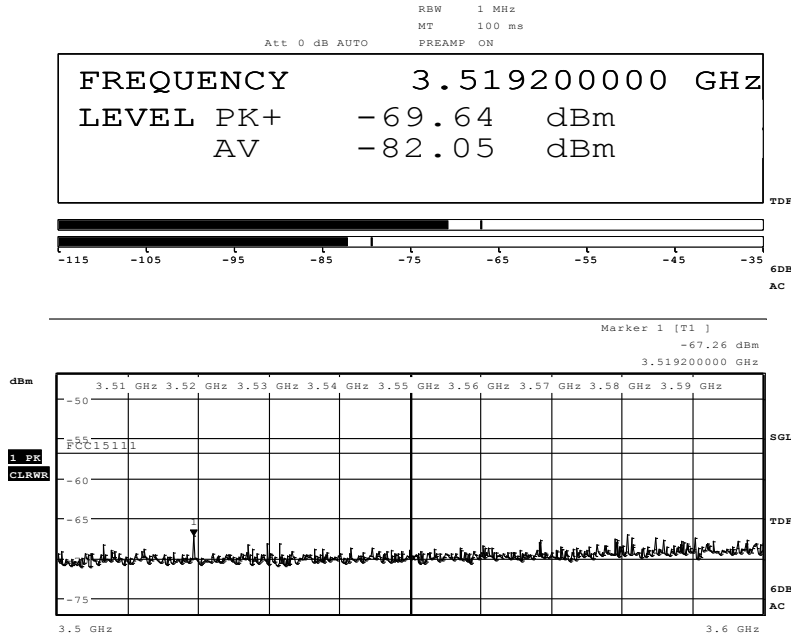
Date: 20.MAY.2010 11:20:37

Diagram 14.35: Sweep between 30MHz and 1GHz



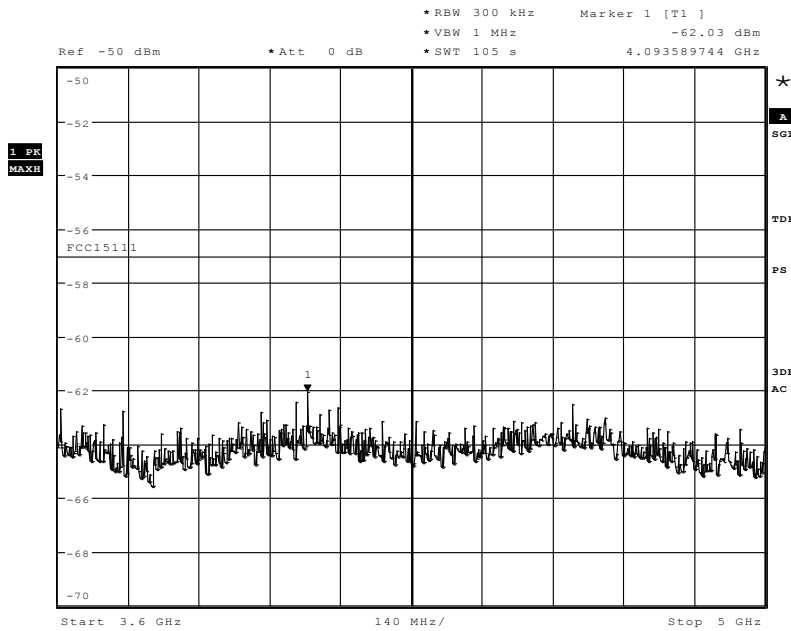
Date: 20.MAY.2010 13:52:08

Diagram 14.36a: Sweep between 1GHz and 3.6GHz



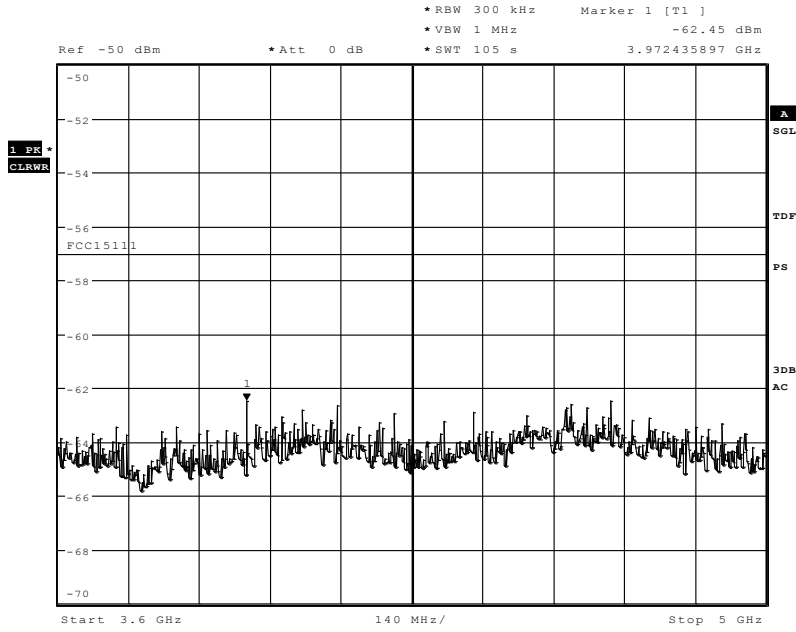
Date: 20.MAY.2010 13:55:21

Diagram 14.36b: Sweep between 3.5GHz and 3.6GHz



Date: 20.MAY.2010 13:21:56

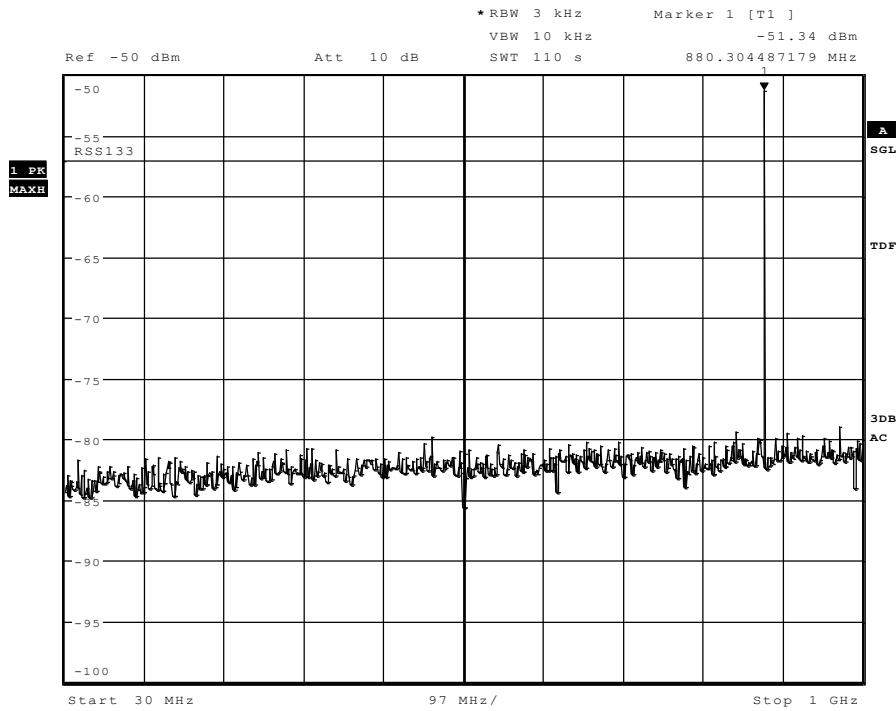
Diagram 14.36c: Sweep between 3.6GHz and 5GHz



Date: 20.MAY.2010 13:27:40

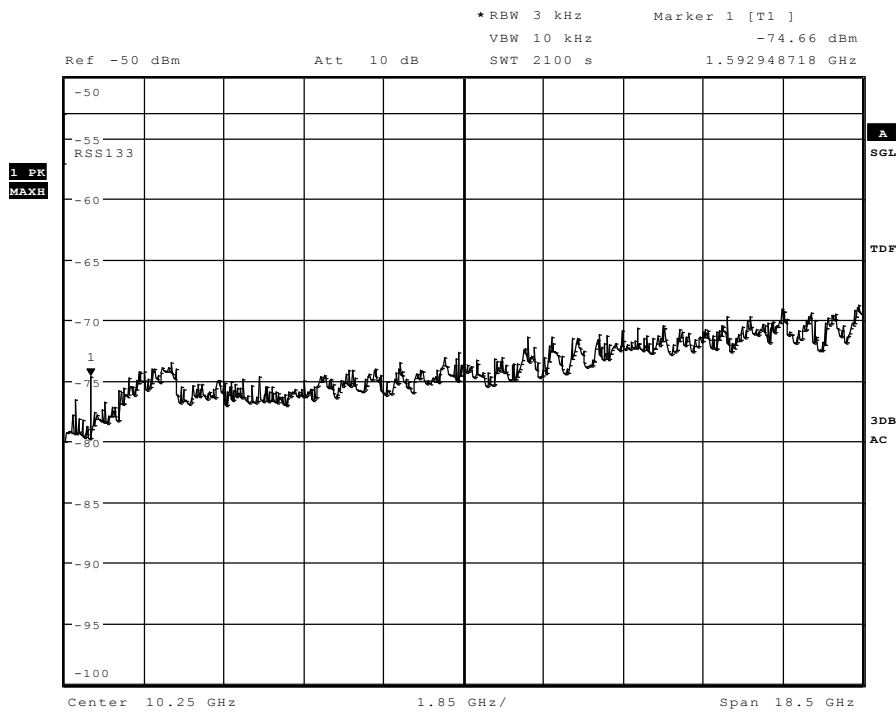
Diagram 14.36d: Sweep between 3.6GHz and 5GHz: without EUT

1.5. Spurious emissions conducted – IDLE 850 Mode (RX) accord. Canada requirement



Date: 20.MAY.2010 09:56:27

Sweep 14.32

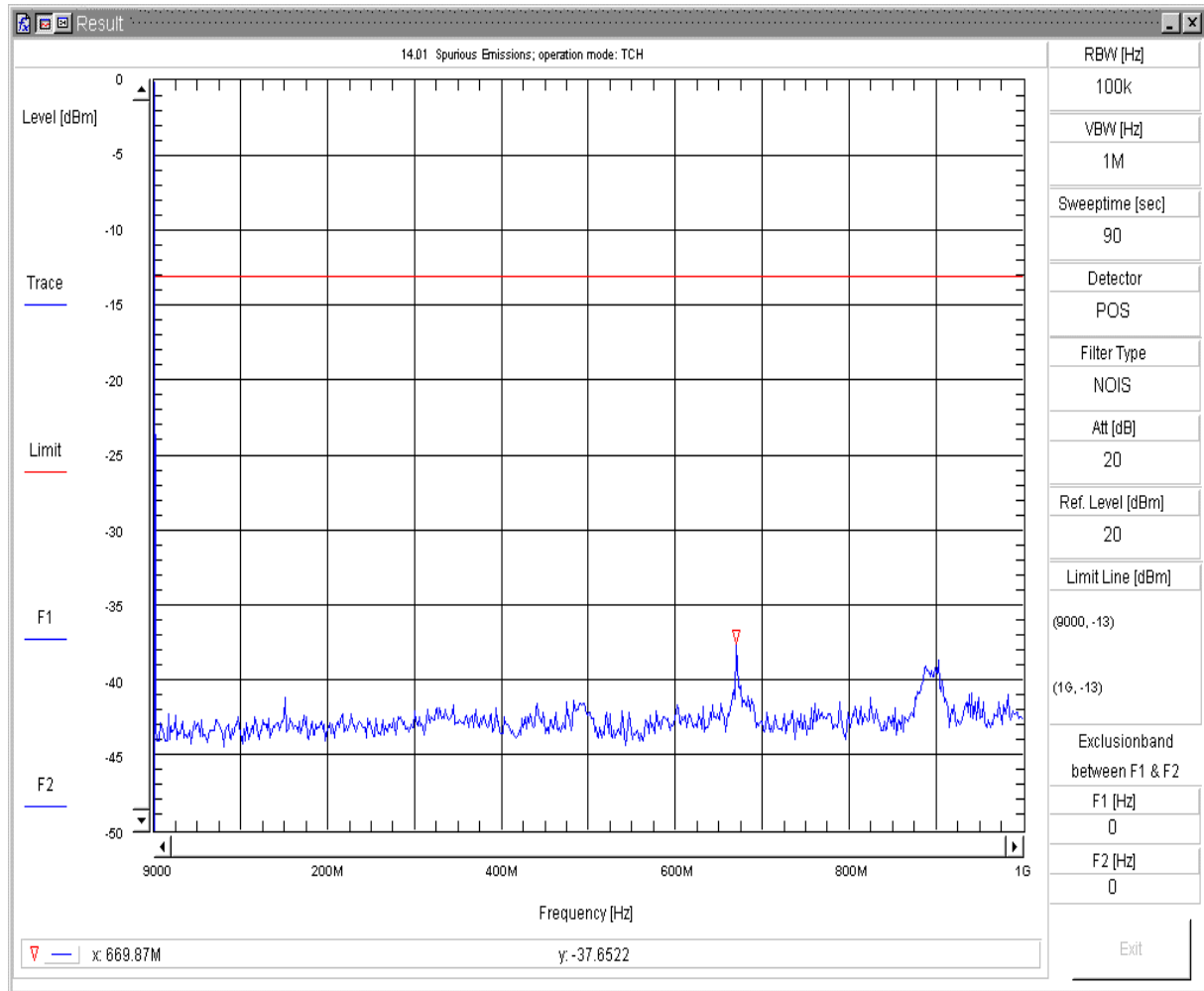


Date: 20.MAY.2010 10:43:58

Sweep 14.33

1.6. Spurious emissions conducted – GSM1900 Mode (TX-mode)

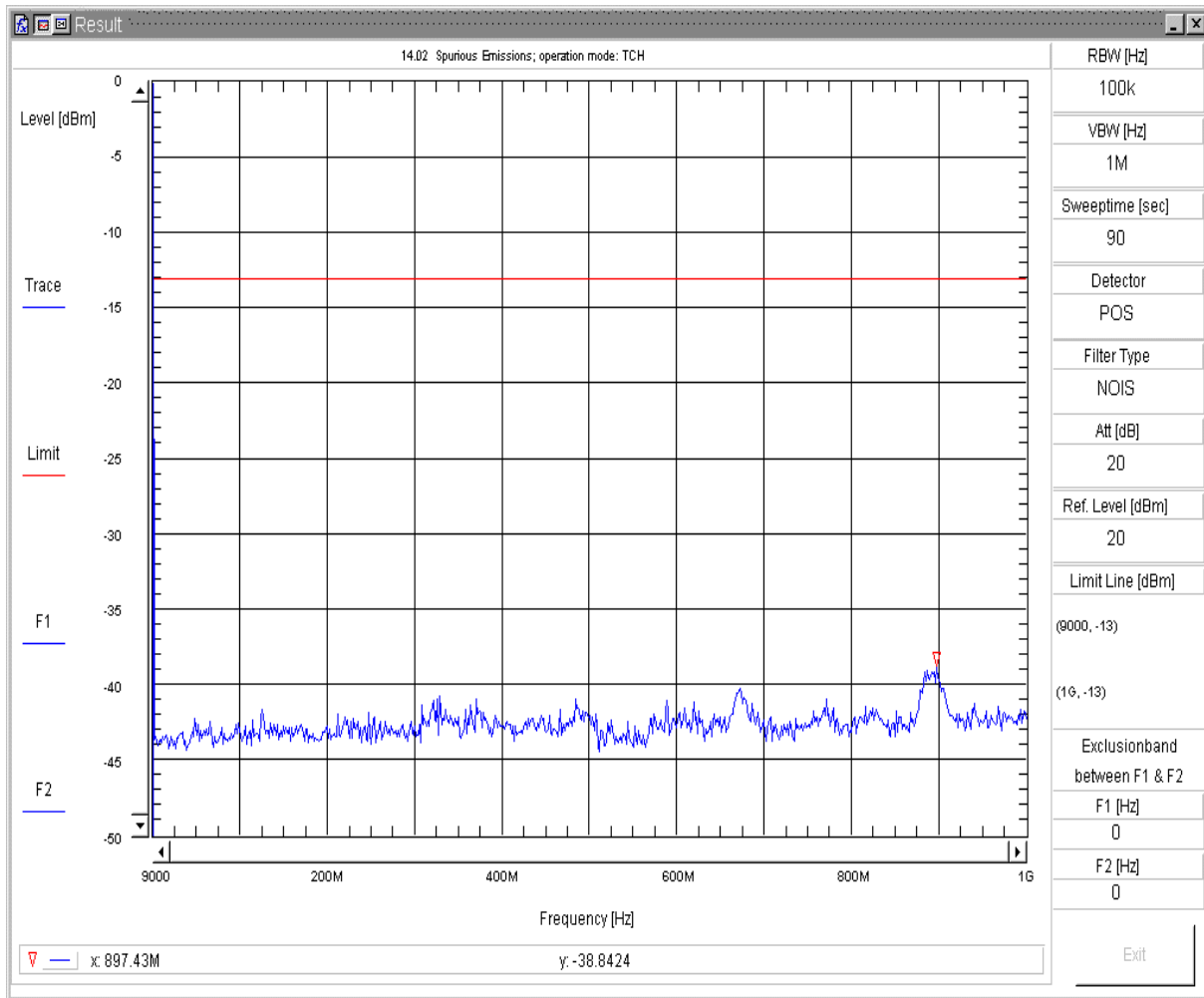
Diagrams – TX GSM 1900 mode



14.01 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_24_1900\TD_TX
 Sweepnr: Sweep1
 EUT OP Mode: FCC_Part_24_1900 TCH
 UE Power: 29,30 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 512 MHz
 EUT Description: BG2-W + DSB75 + HS Vetronic + USB and RS 232 Line
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: ESU reported 29,30 dBm of UE pwr
 Operator: Tas
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 07/May/2010 15:43:100

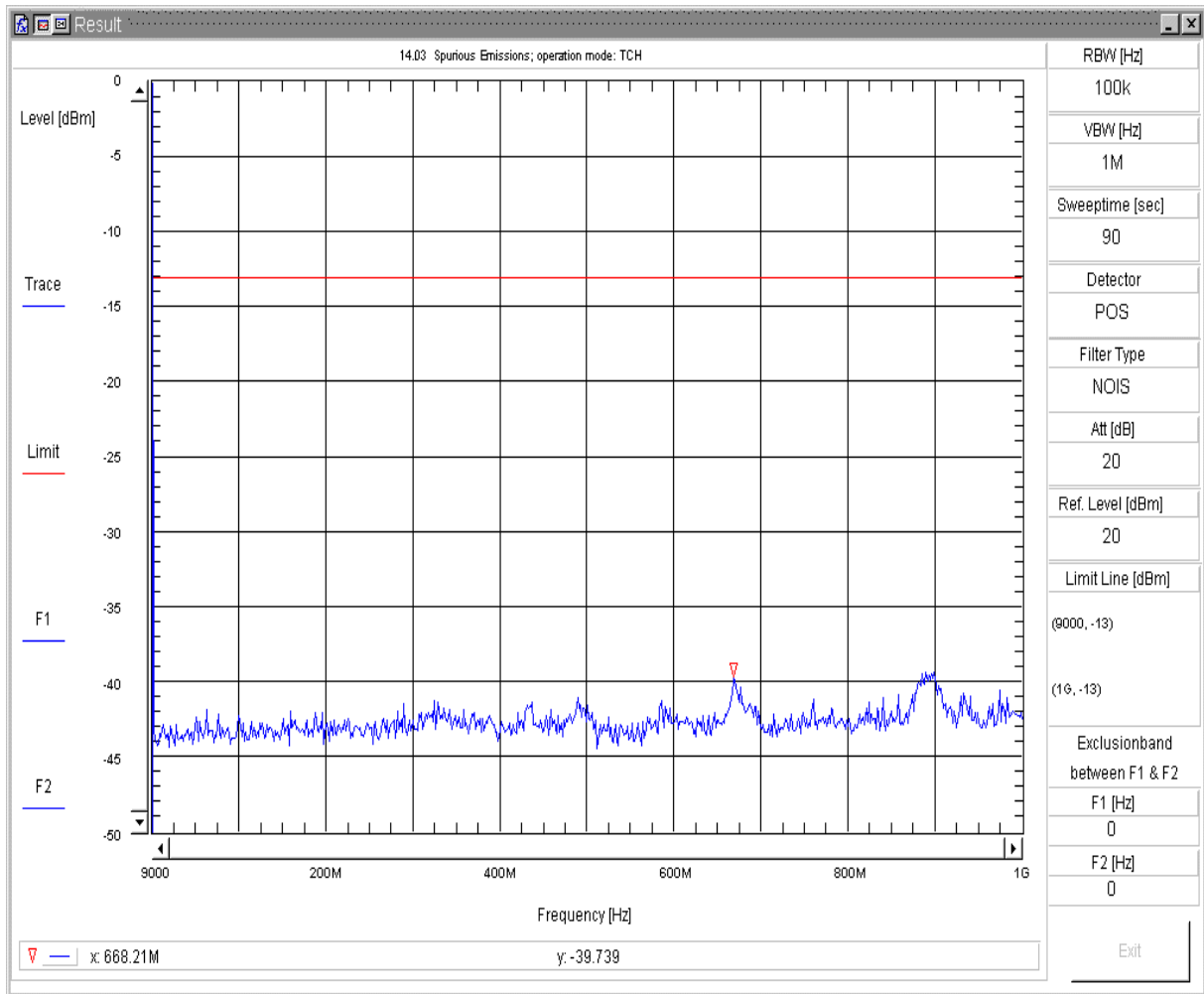
Conducted Spurious Emissions V7.1.5



14.02 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_24_1900\TD_TX
 Sweepnr: Sweep1
 EUT OP Mode: FCC_Part_24_1900 TCH
 UE Power: 25.1 dBm / 25.1 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 512 MHz
 EUT Description: BG2-W + DSB75 + HS Votronic + USB and RS 232 Line
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: -ESU reported 30 dBm
 Operator: Tas
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 07/May/2010 15:26:490

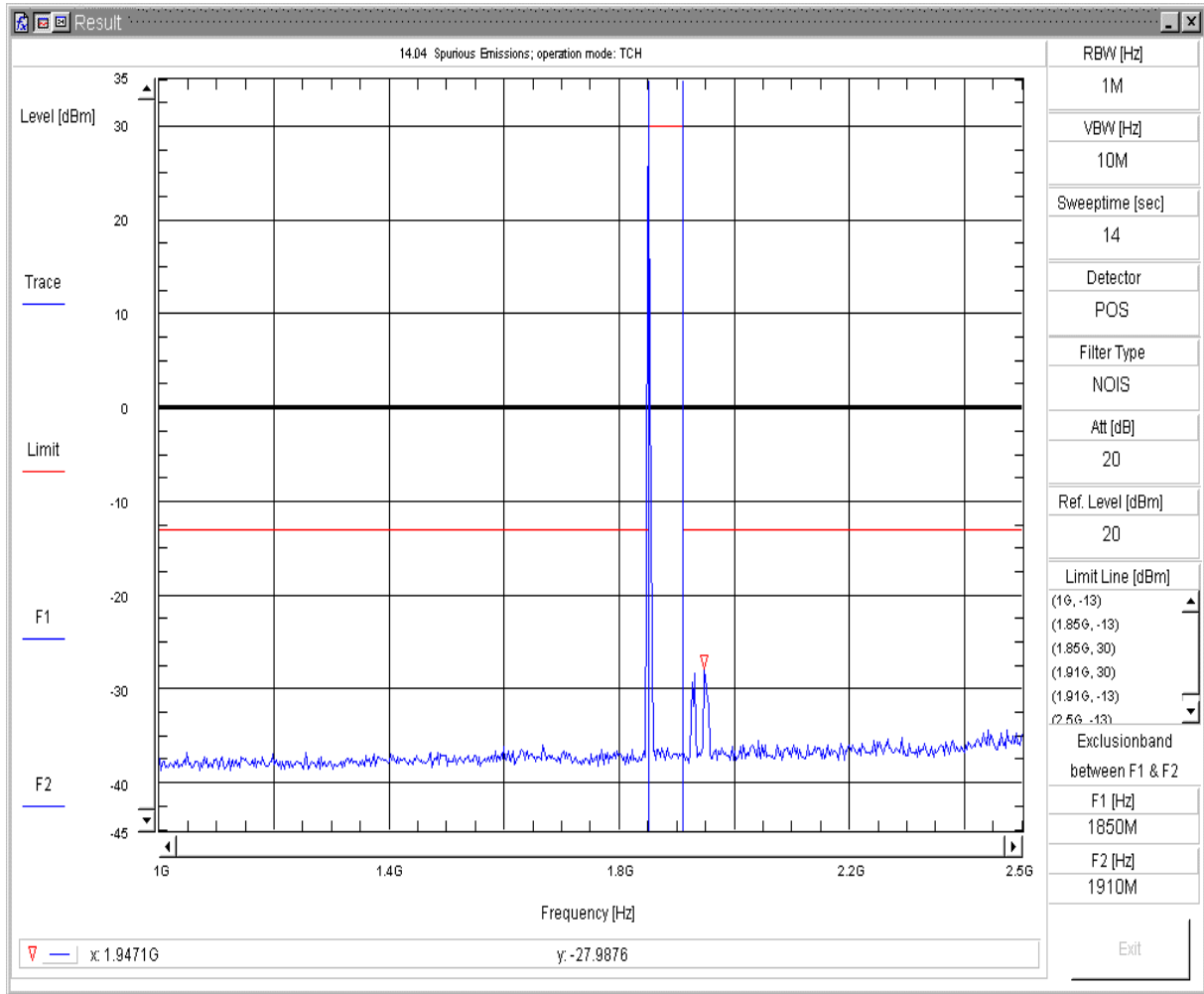
Conducted Spurious Emissions V7.1.5



14.03 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_24_1900\TD_TX
 Sweepnr: Sweep1
 EUT OP Mode: FCC_Part_24_1900 TCH
 UE Power: 30,52 dBm / 30,52 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 810 MHz
 EUT Description: BG2-W + DSB75 + HS Vetronic + USB and RS 232 Line
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: ESU reported 30,52 dBm of UE pwr
 Operator: Tas
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 07/May/2010 16:03:550

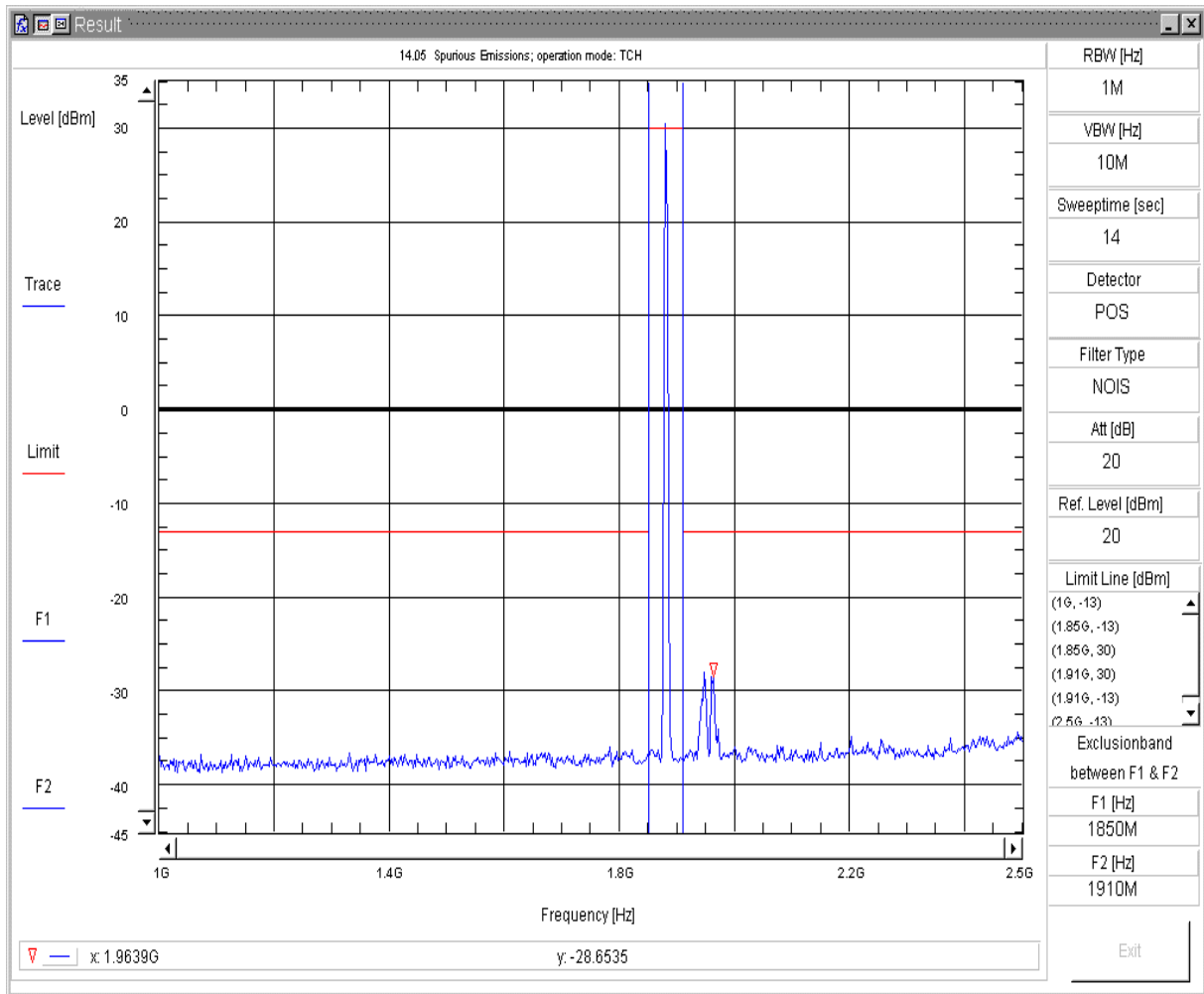
Conducted Spurious Emissions V7.1.5



14.04 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_24_1900\TD_TX
 Sweepnr: Sweep2
 EUT OP Mode: FCC_Part_24_1900 TCH
 UE Power: 29,30 dBm / 29,30 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 512 MHz
 EUT Description: BG2-W + DSB75 + HS Vetronic + USB and RS 232 Line
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: ESU reported 29,30 dBm of UE pwr
 Operator: Tas
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 07/May/2010 15:46:390

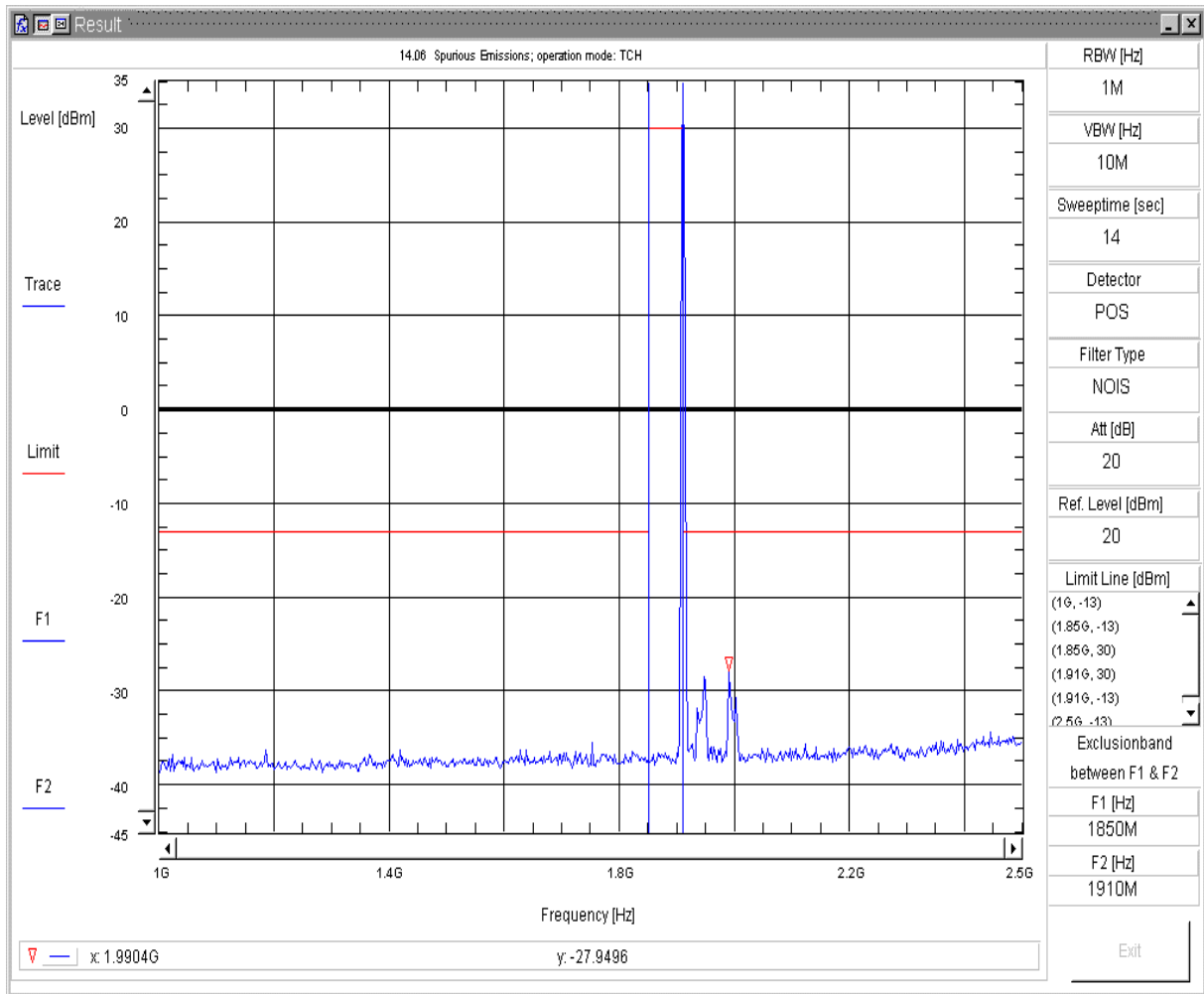
Conducted Spurious Emissions V7.1.5



14.05 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_24_1900\TD_TX
 Sweepnr: Sweep2
 EUT OP Mode: FCC_Part_24_1900 TCH
 UE Power: 30 dBm / 30 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 661 MHz
 EUT Description: BG2-W + DSB75 + HS Vetronic + USB and RS 232 Line
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: ESU reported 30 dBm of UE pwr
 Operator: Tas
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 07/May/2010 15:32:090

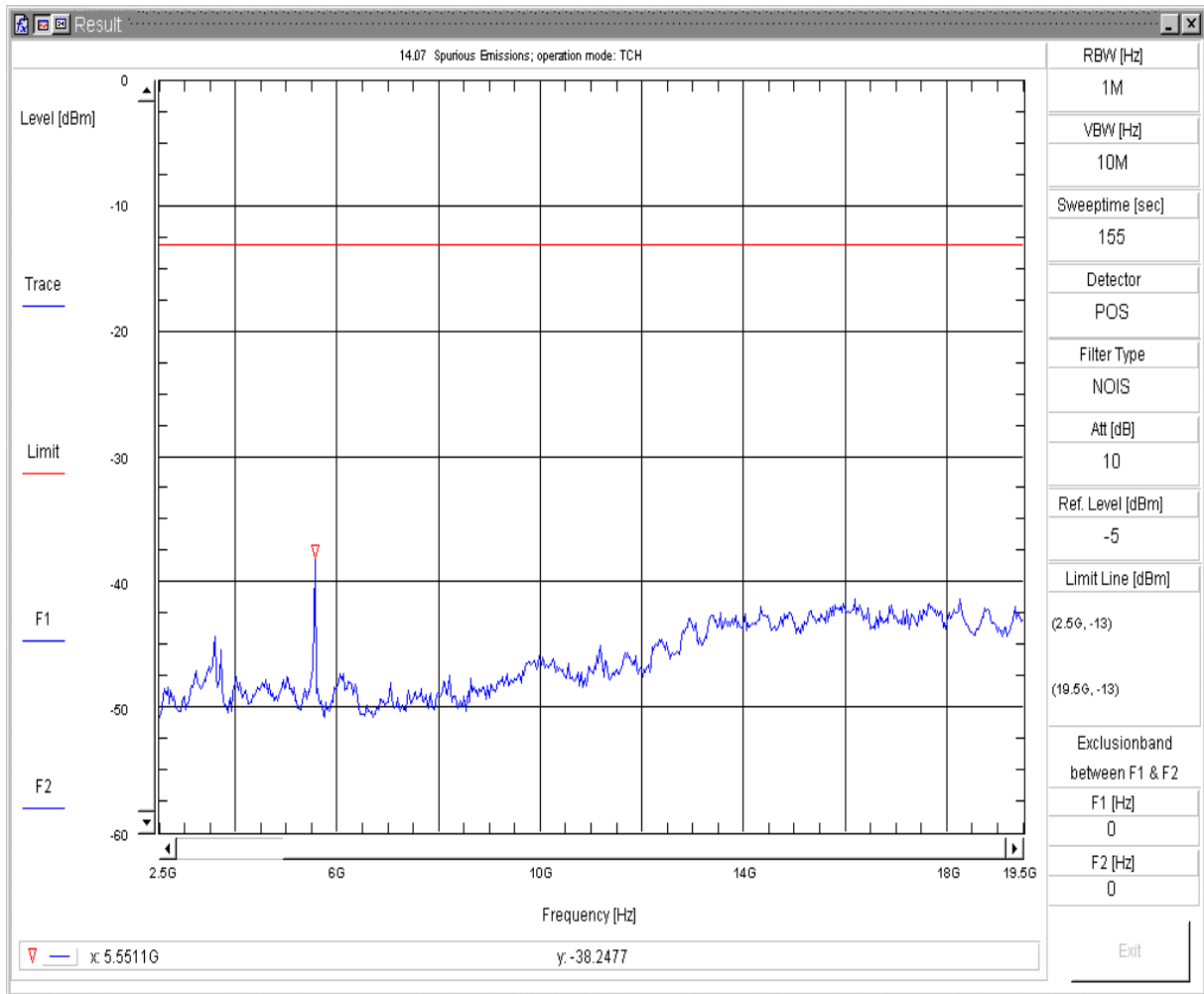
Conducted Spurious Emissions V7.1.5



14.06 Conducted Spurious Emission

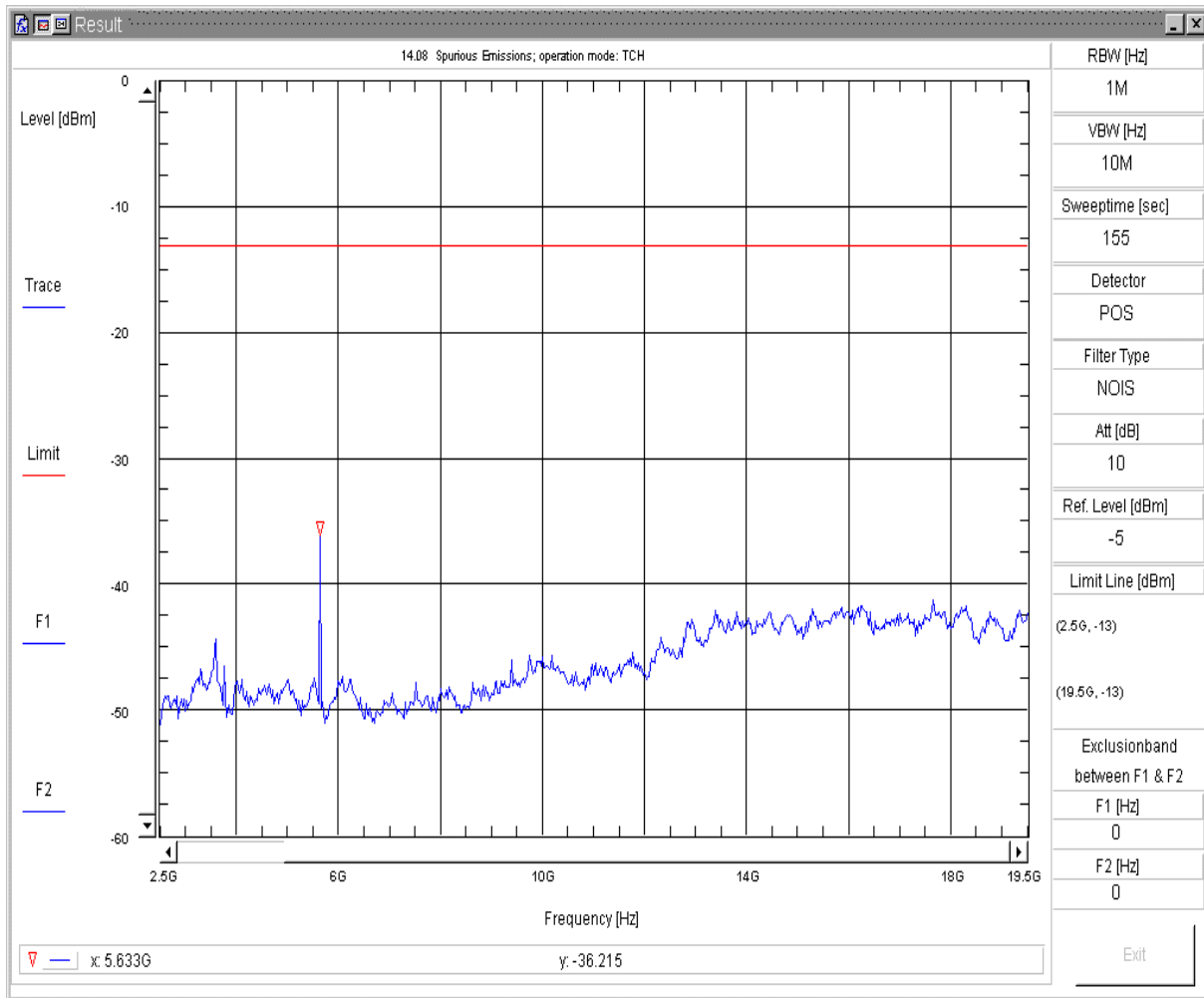
Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_24_1900\TD_TX
 Sweepnr: Sweep2
 EUT OP Mode: FCC_Part_24_1900 TCH
 UE Power: 30,52 dBm / 30,52 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 810 MHz
 EUT Description: BG2-W + DSB75 + HS Vetronic + USB and RS 232 Line
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: ESU reported 30,52 dBm of UE pwr
 Operator: Tas
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 07/May/2010 16:08:430

Conducted Spurious Emissions V7.1.5



14.07 Conducted Spurious Emission

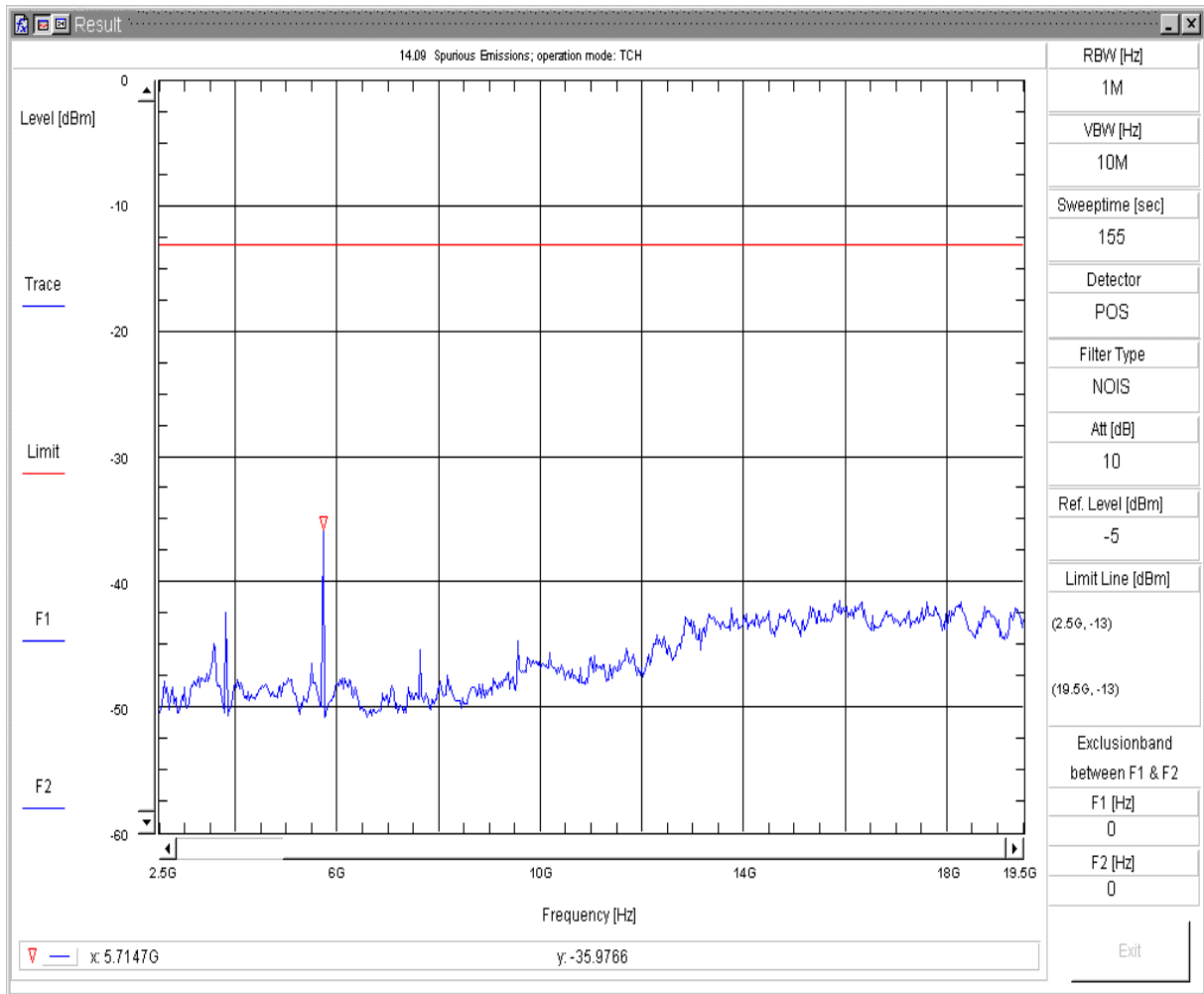
Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_24_1900\TD_TX
 Sweepnr: Sweep3
 EUT OP Mode: FCC_Part_24_1900 TCH
 UE Power: 29,30 dBm / 29,30 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 512 MHz
 EUT Description: BG2-W + DSB75 + HS Vetronic + USB and RS 232 Line
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: ESU reported 29,30 dBm of UE pwr
 Operator: Tas
 Testing Site: Radio Laboratory; CETECOM EssenFri 07/May/2010 15:51:100
 Conducted Spurious Emissions V7.1.5



14.08 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_24_1900\TD_TX
 Sweepnr: Sweep3
 EUT OP Mode: FCC_Part_24_1900 TCH
 UE Power: 30 dBm / 30 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 661 MHz
 EUT Description: BG2-W + DSB75 + HS Votronic + USB and RS 232 Line
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: ESU reported 30,18 dBm of UE pwr
 Operator: Tas
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 07/May/2010 15:37:450

Conducted Spurious Emissions V7.1.5

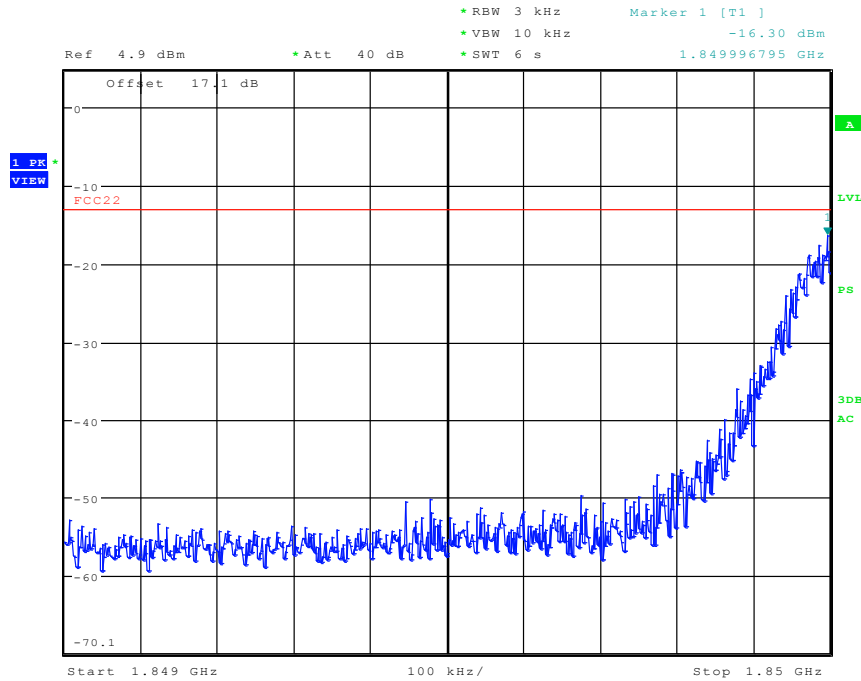


14.09 Conducted Spurious Emission

Transducer: c:\vee_user\spuri_V7\conducted\FCC_Part_24_1900\TD_TX
 Sweepnr: Sweep3
 EUT OP Mode: FCC_Part_24_1900 TCH
 UE Power: 30,52 dBm / 30,52 dBm
 UE Status: Connection established (observed by operator)
 UE Uplink Freq: 810 MHz
 EUT Description: BG2-W + DSB75 + HS Vetronic + USB and RS 232 Line
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: ESU reported 30,52 dBm of UE
 Operator: Tas
 Testing Site: Radio Laboratory; CETECOM Essen
 Fri 07/May/2010 16:13:410

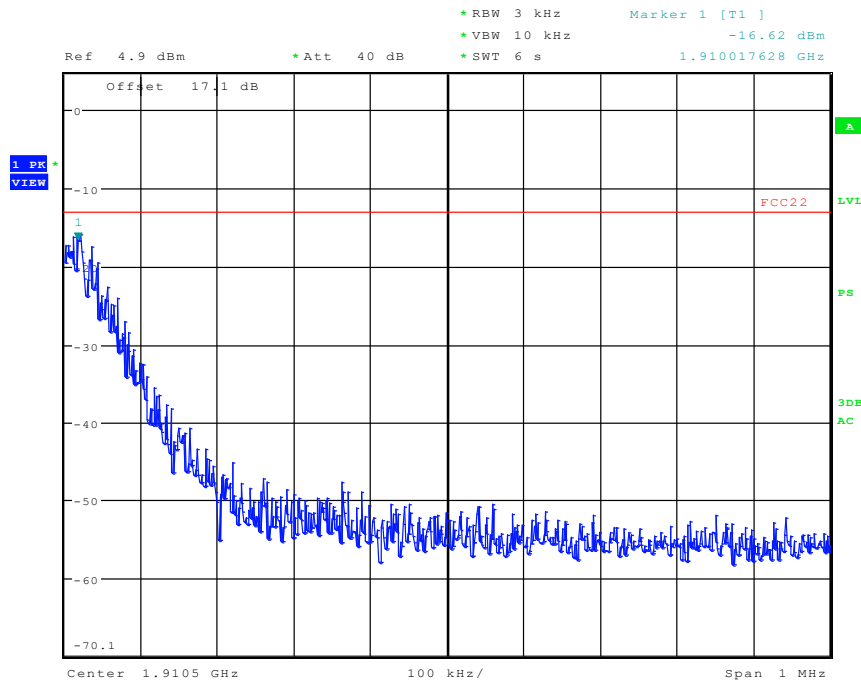
Conducted Spurious Emissions V7.1.5

Band Edge compliance, channel 512 – GMSK



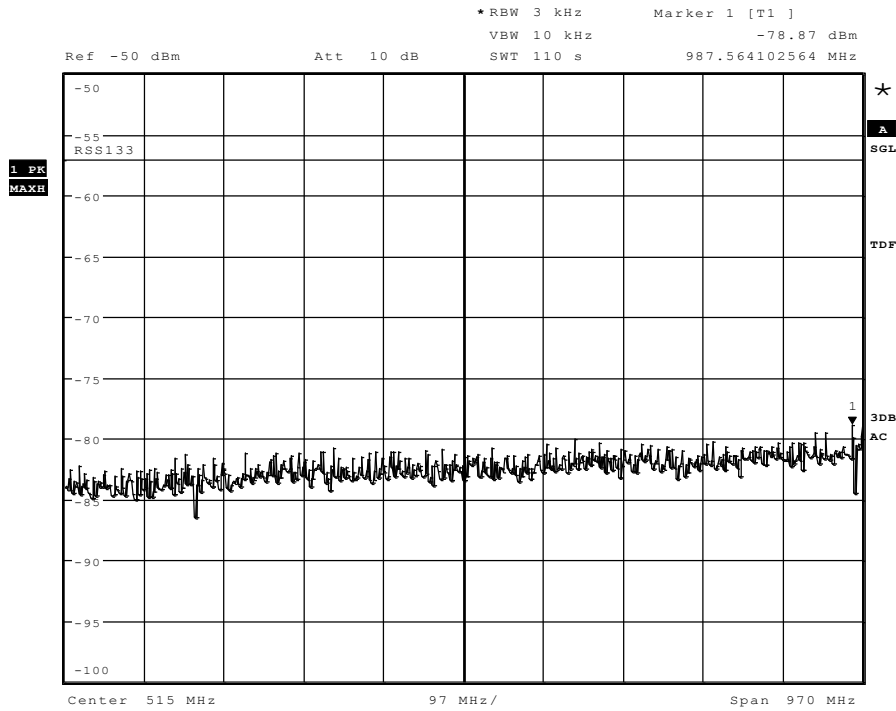
Date: 10.MAY.2010 12:46:19

Band Edge compliance, Channel 810 – GMSK

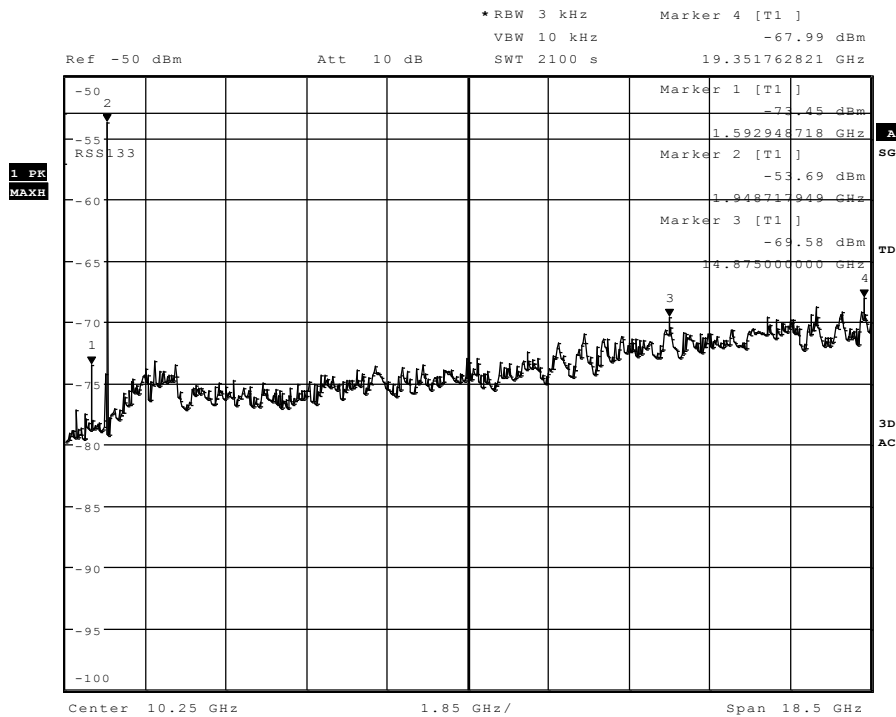


Date: 10.MAY.2010 12:42:17

1.7. Spurious emissions conducted – IDLE 1900 Mode (RX) accord. Canada requirement

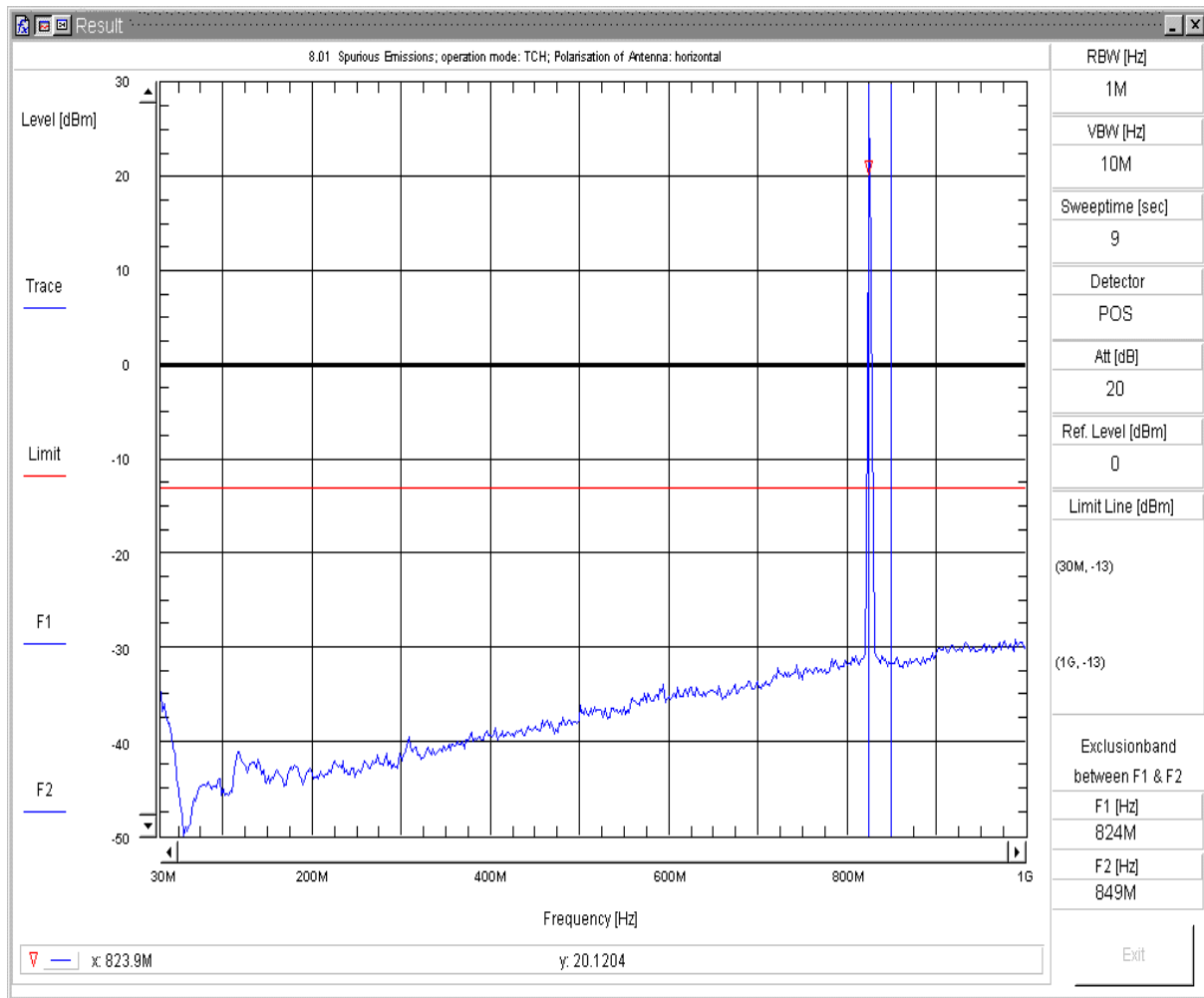


Date: 20.MAY.2010 09:12:49
Sweep 14.30



Date: 20.MAY.2010 09:51:03
Sweep 14.31

1.8. Spurious emissions radiated – GSM850 Mode

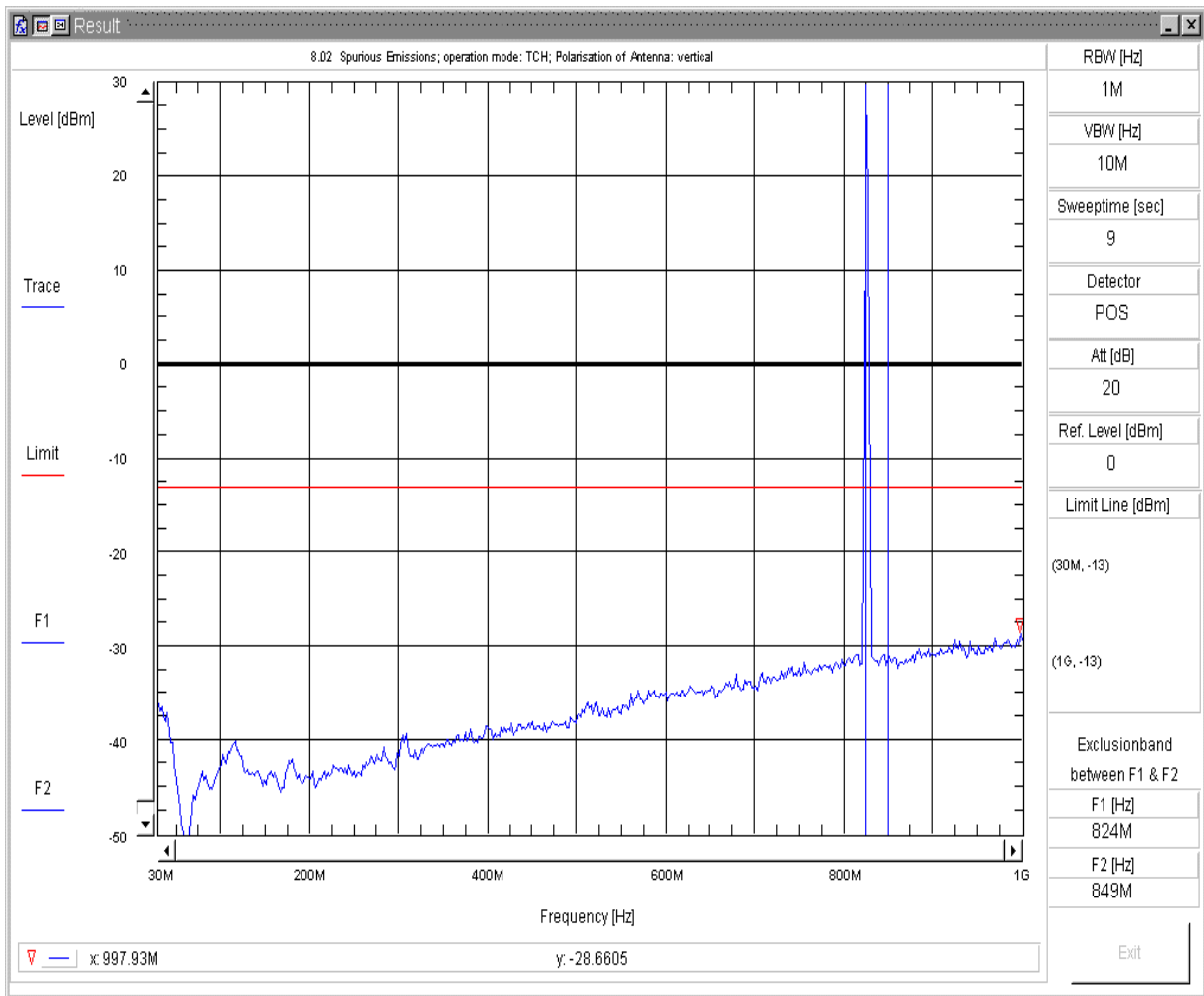


8.01 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 128
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 17:50:55pff

Spurious Emissions V7.2.5

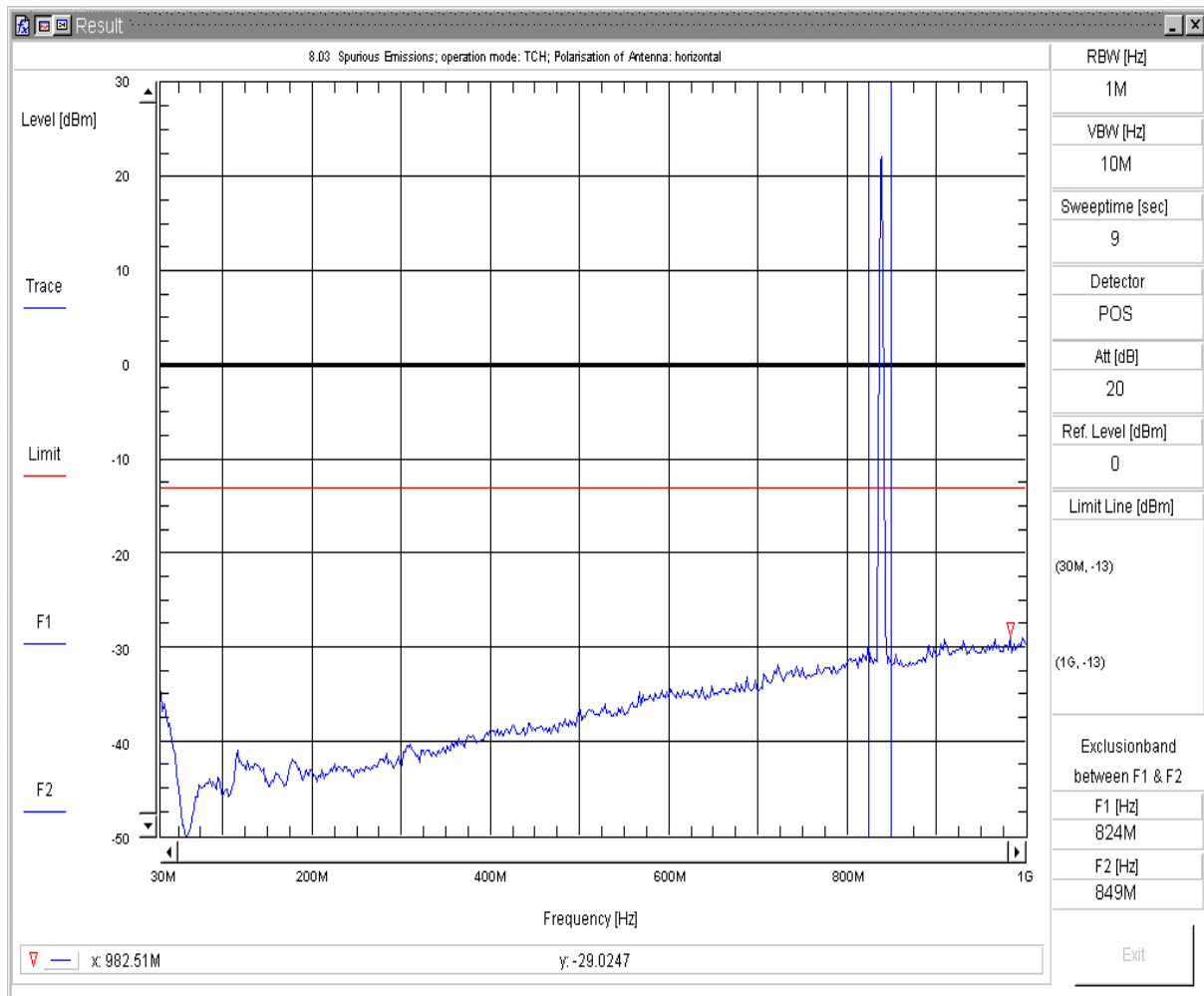


8.02 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 128
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 17:57:25ppf

Spurious Emissions V7.2.5

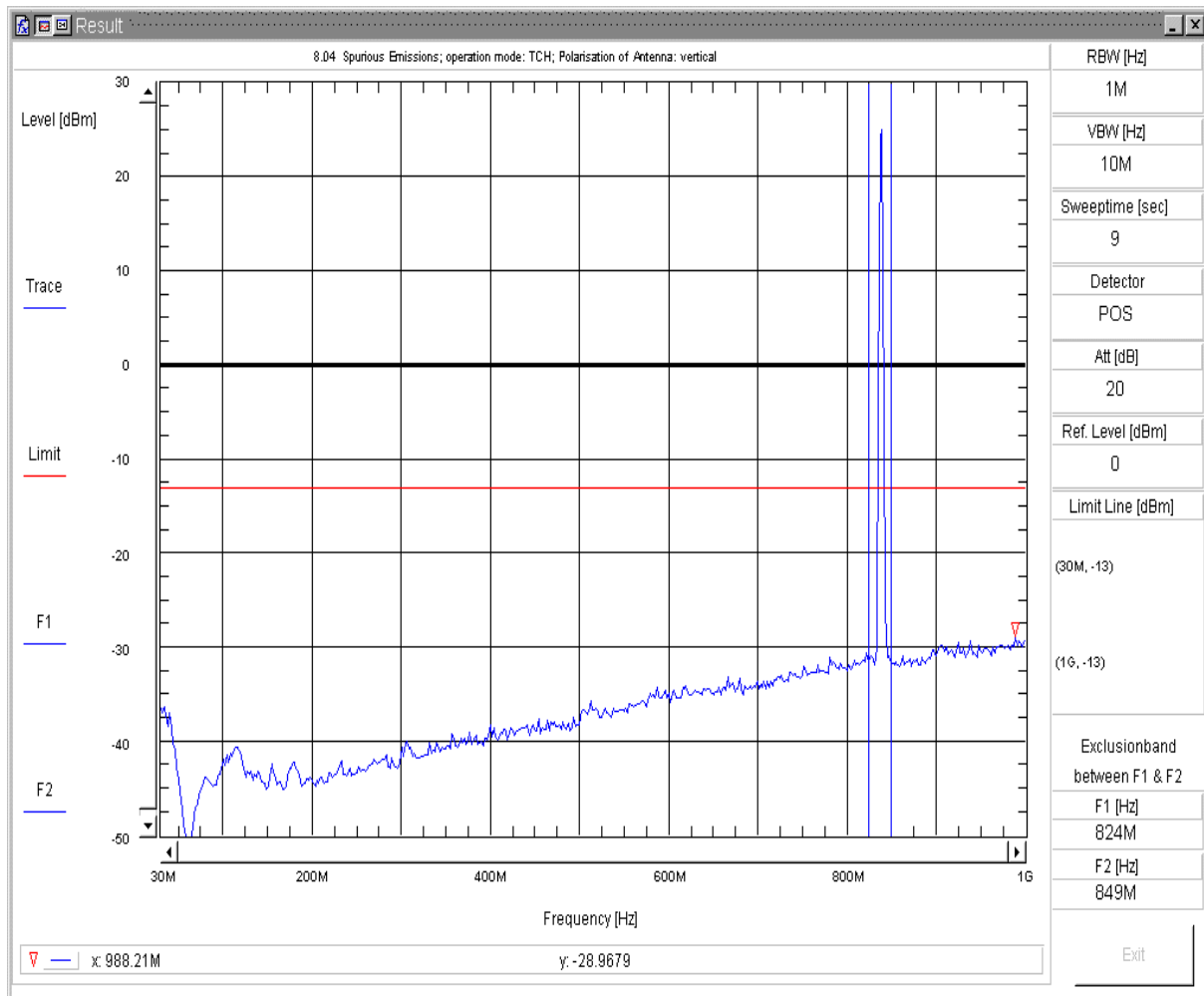


8.03 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 192
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 18:59:32pff

Spurious Emissions V7.2.5

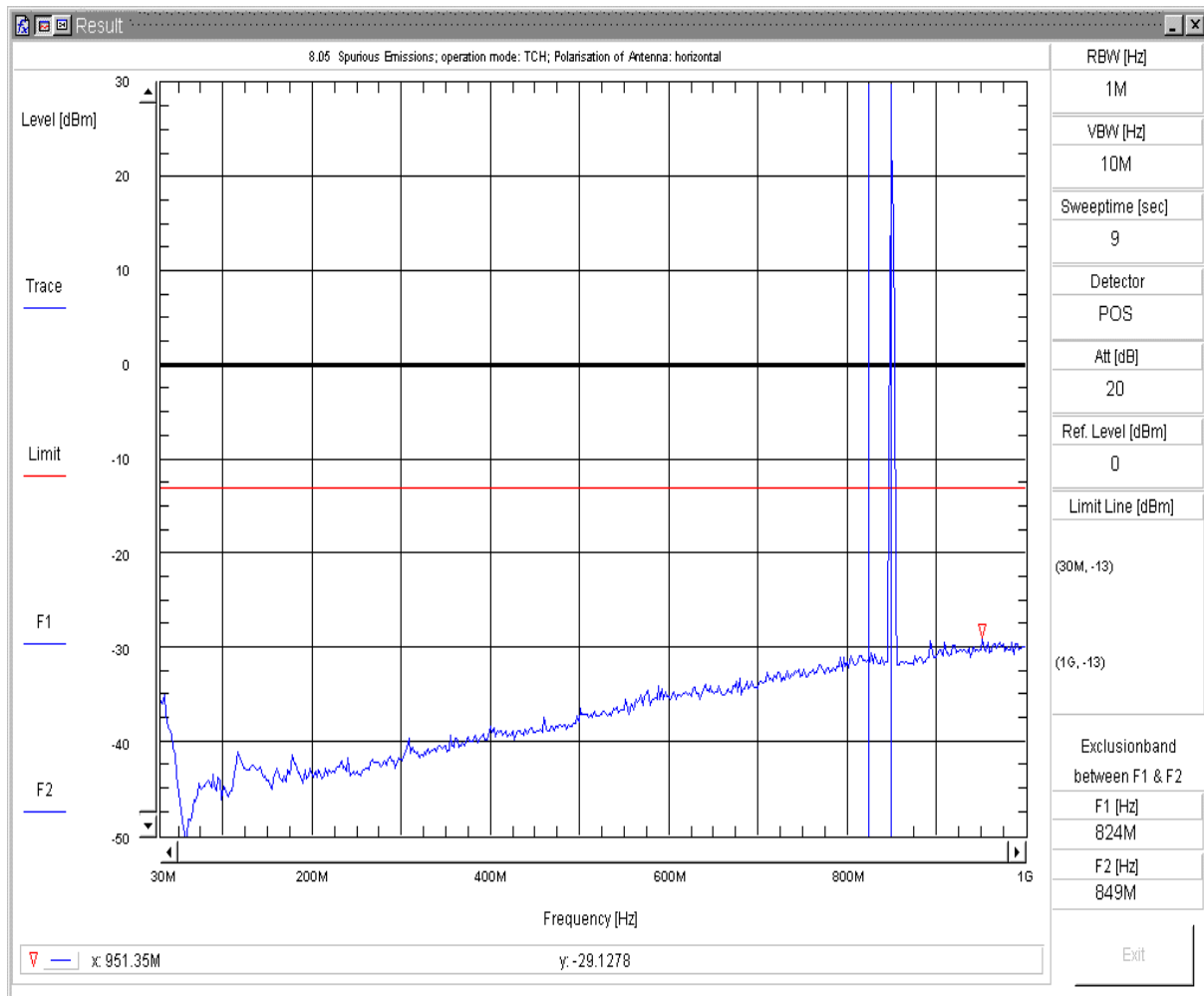


8.04 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 192
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 19:03:54ppf

Spurious Emissions V7.2.5

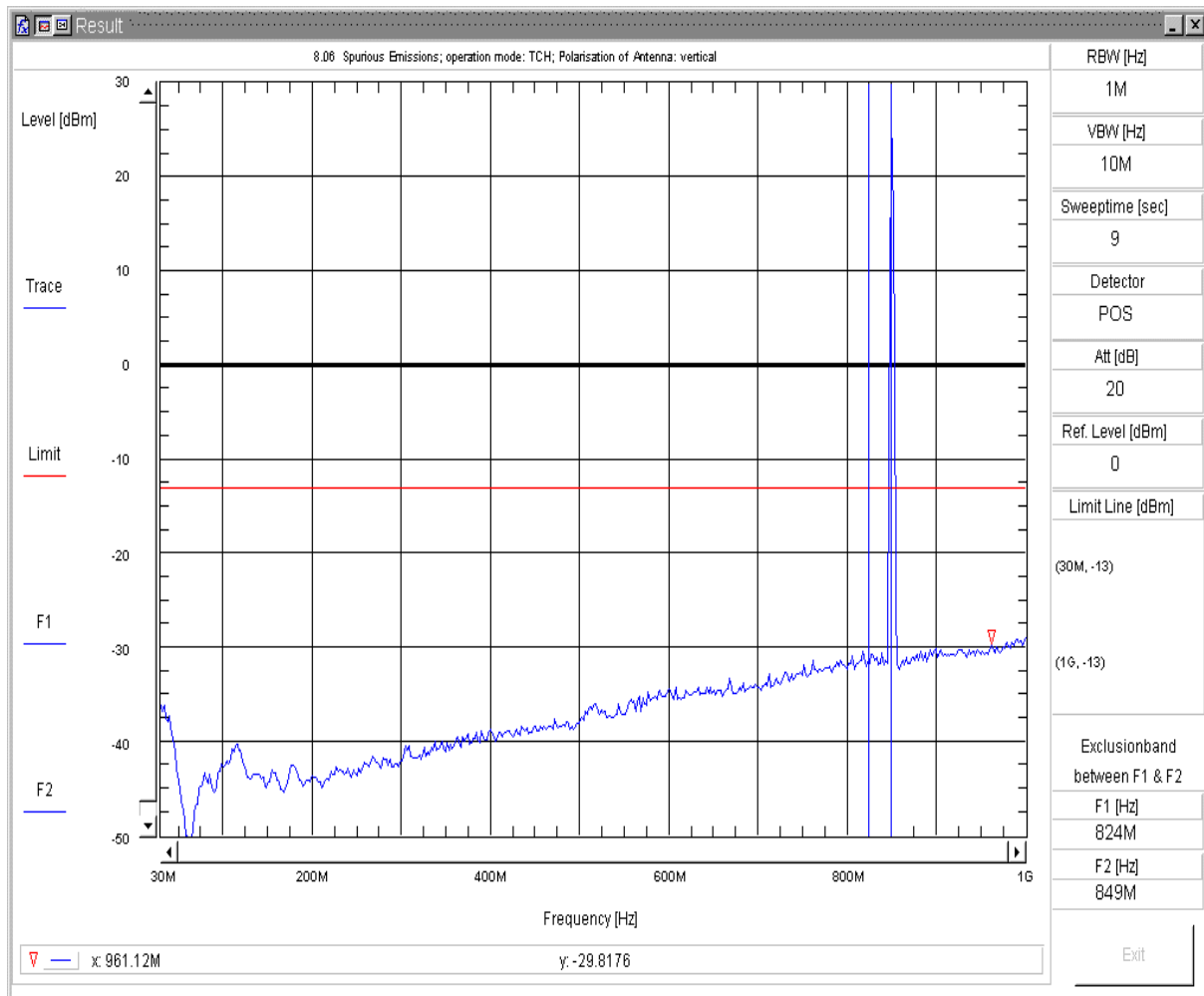


8.05 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 251
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 20:15:18pff

Spurious Emissions V7.2.5

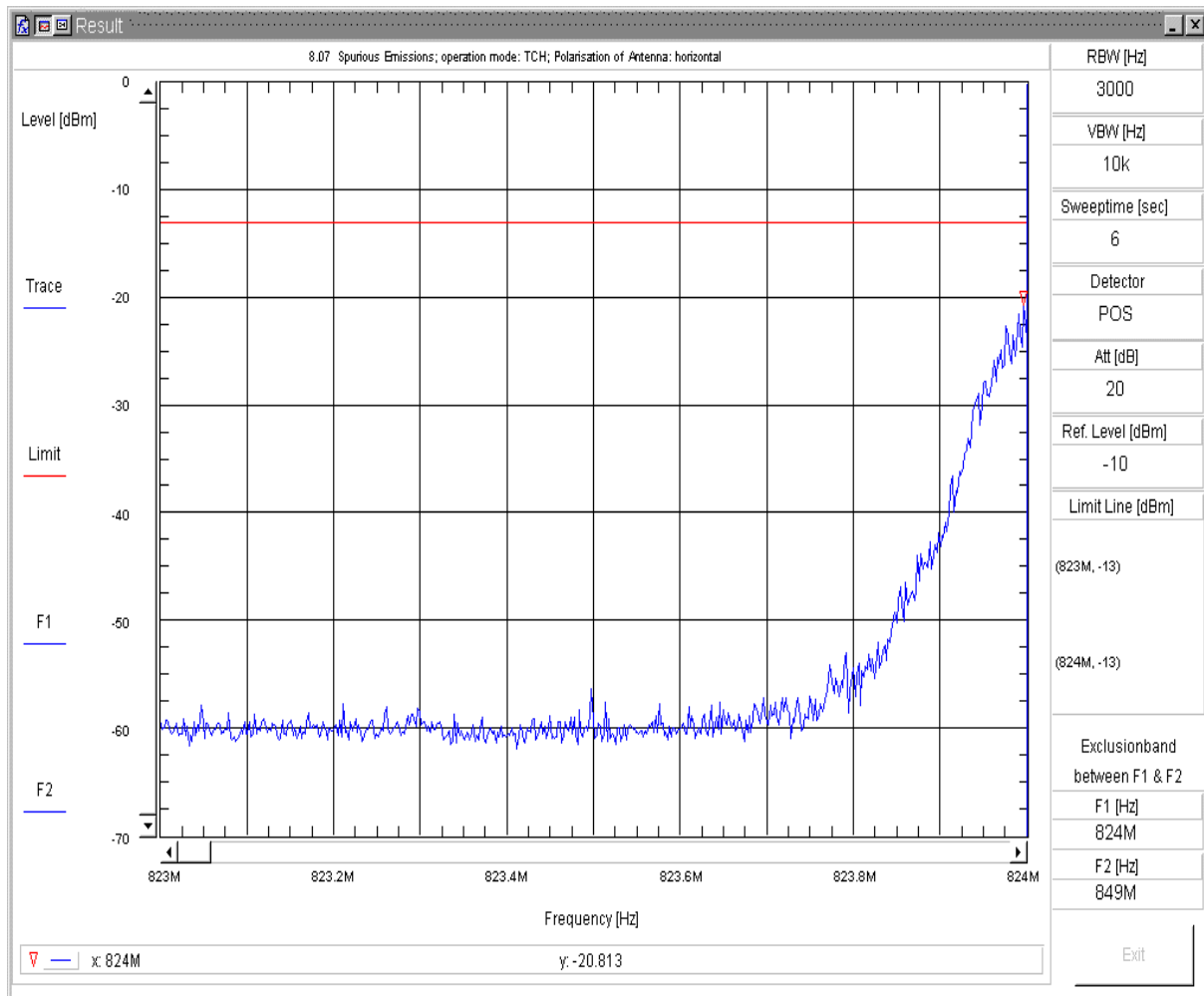


8.06 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 251
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 20:19:10ppf

Spurious Emissions V7.2.5

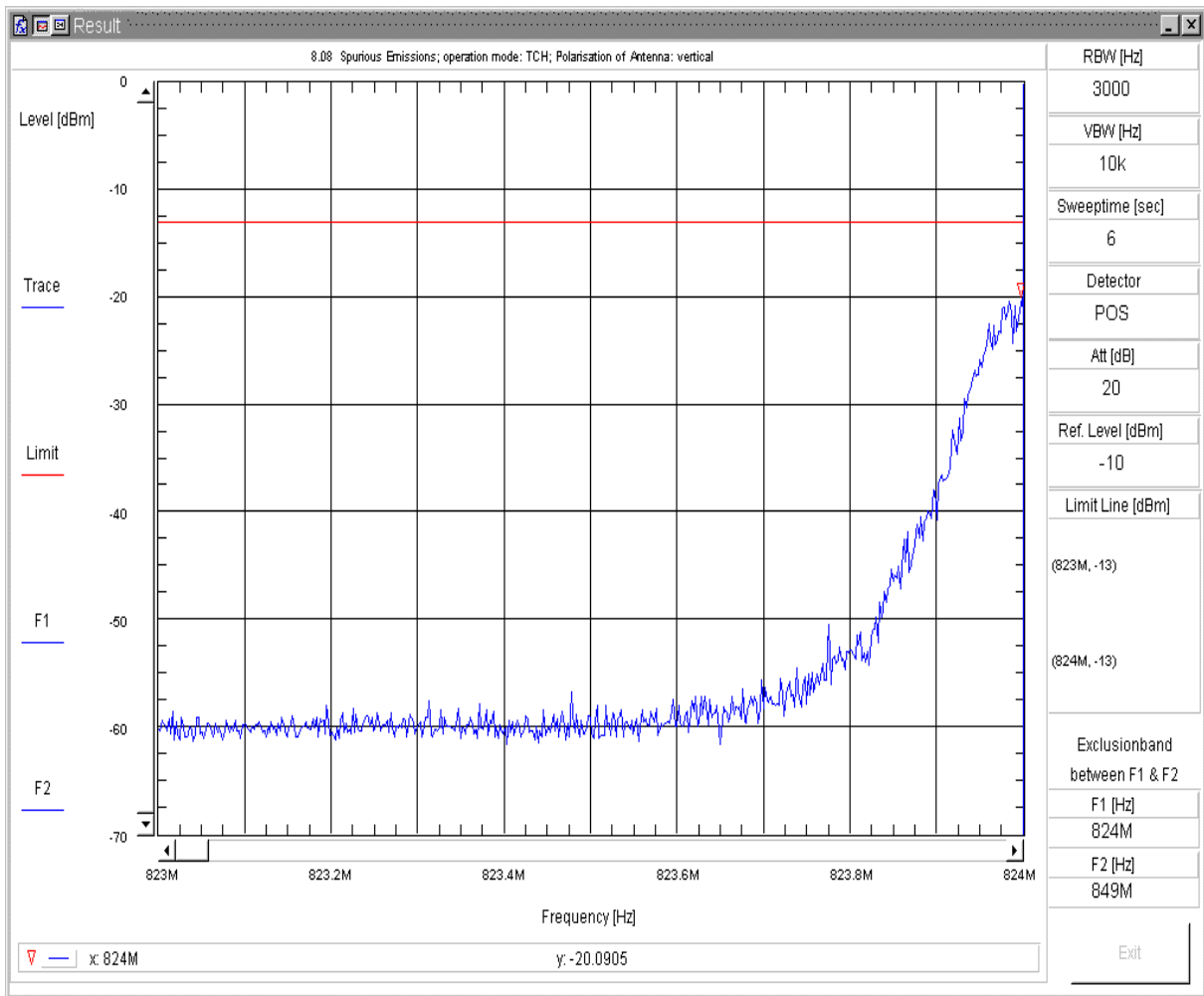


8.07 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 128
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 18:01:38pff

Spurious Emissions V7.2.5

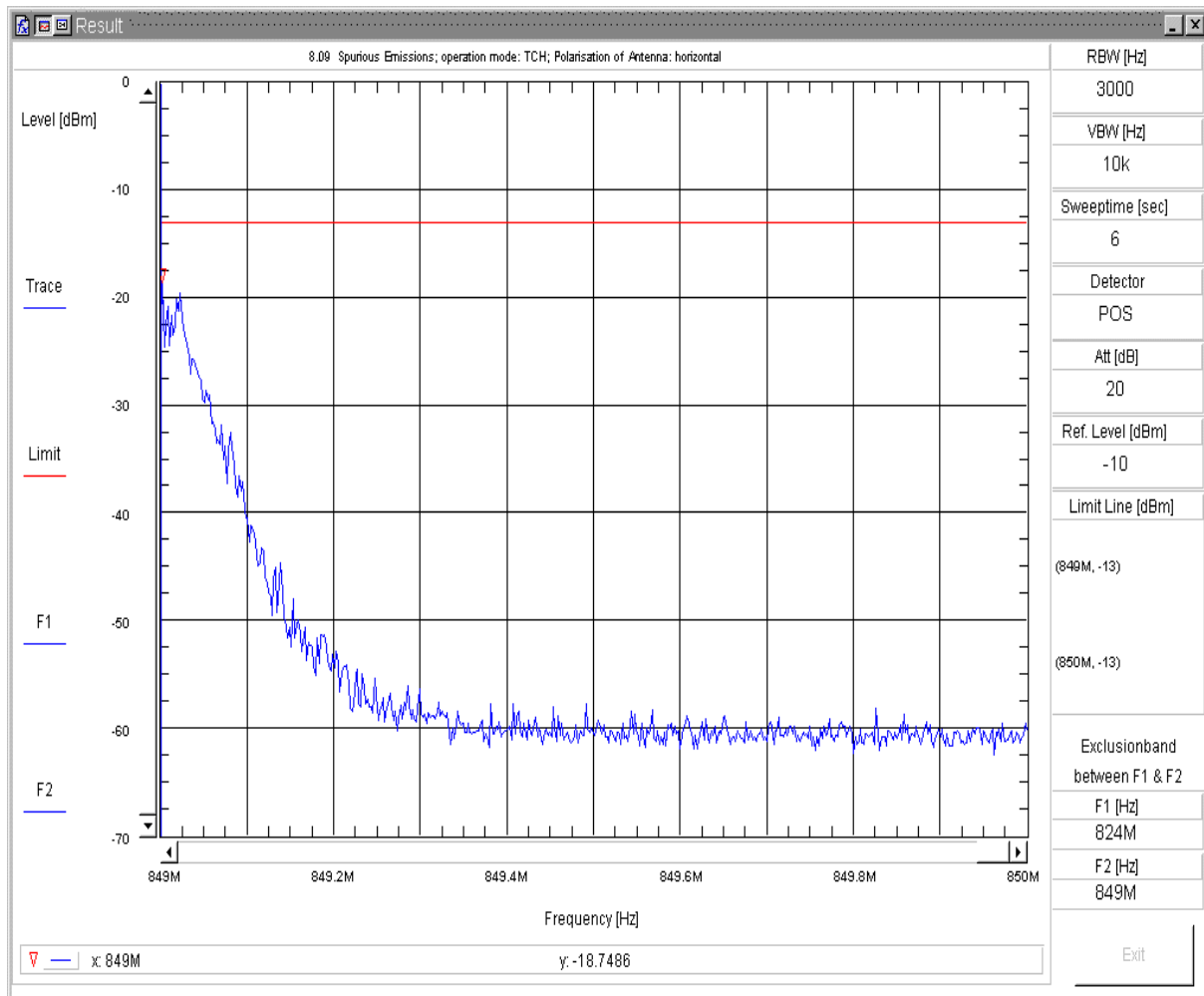


8.08 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 128
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 18:05:33ppf

Spurious Emissions V7.2.5

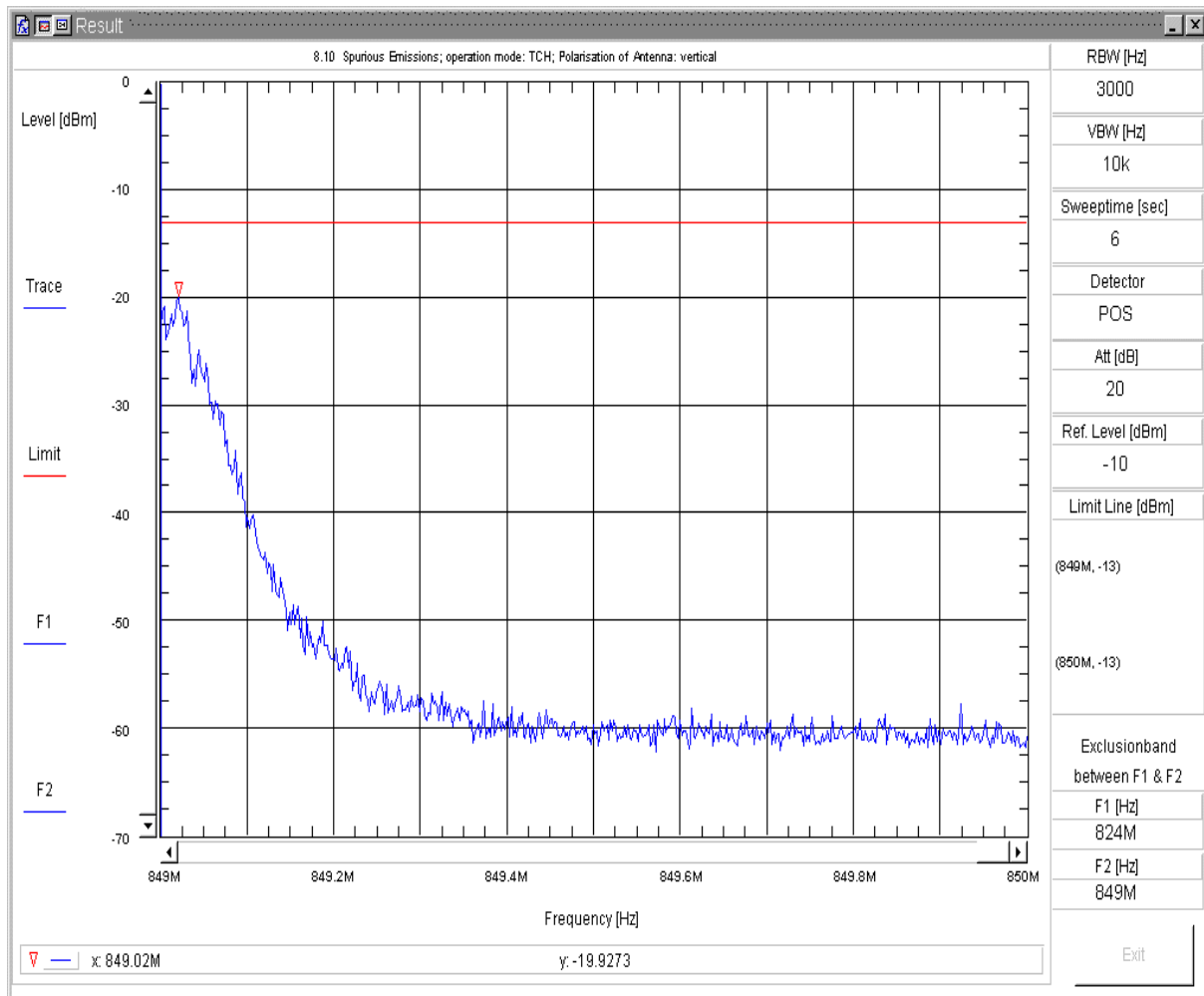


8.09 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 251
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 20:24:26pff

Spurious Emissions V7.2.5

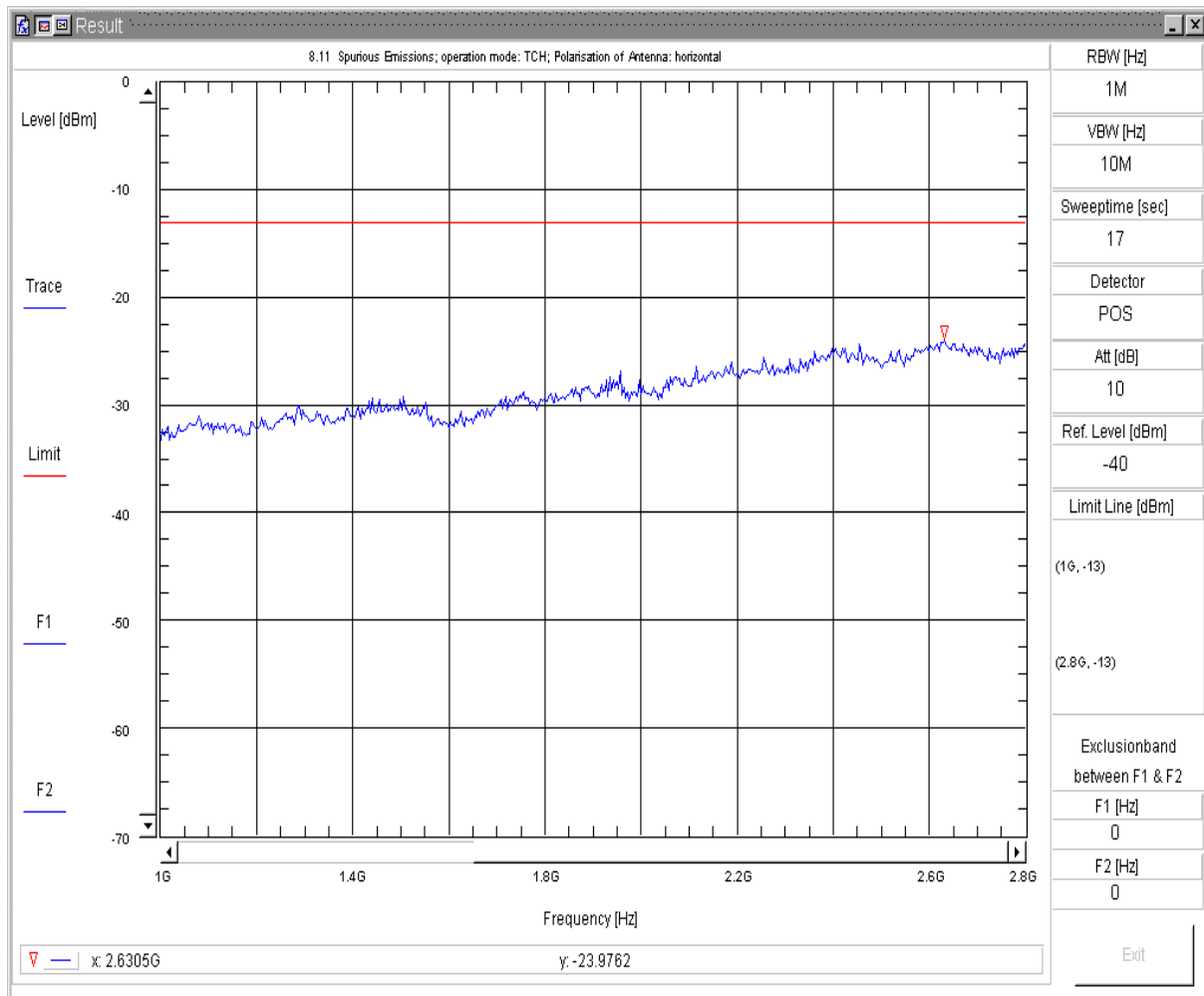


8.10 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 251
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 20:31:39ppf

Spurious Emissions V7.2.5

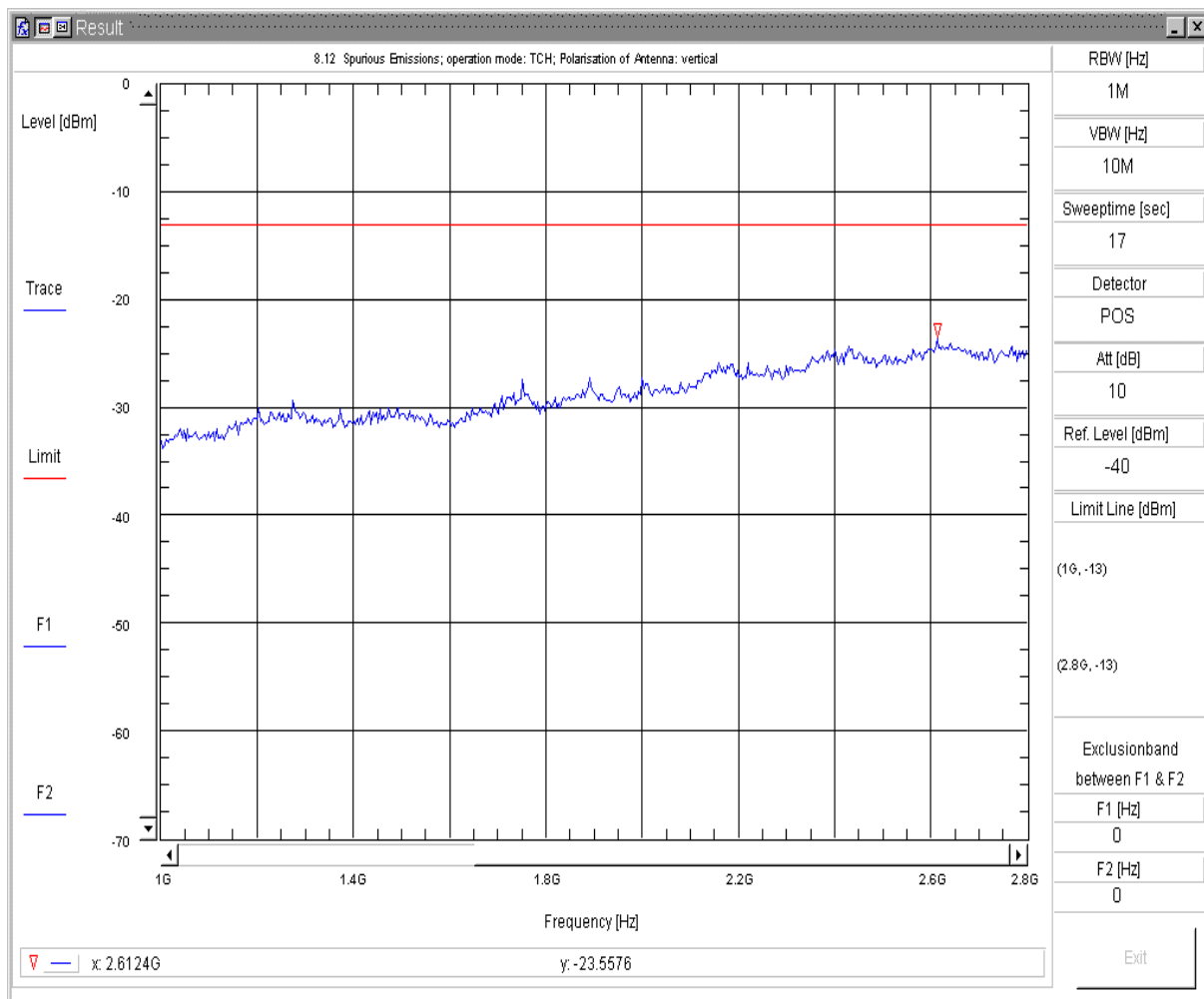


8.11 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 128
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 18:08:48fp

Spurious Emissions V7.2.5

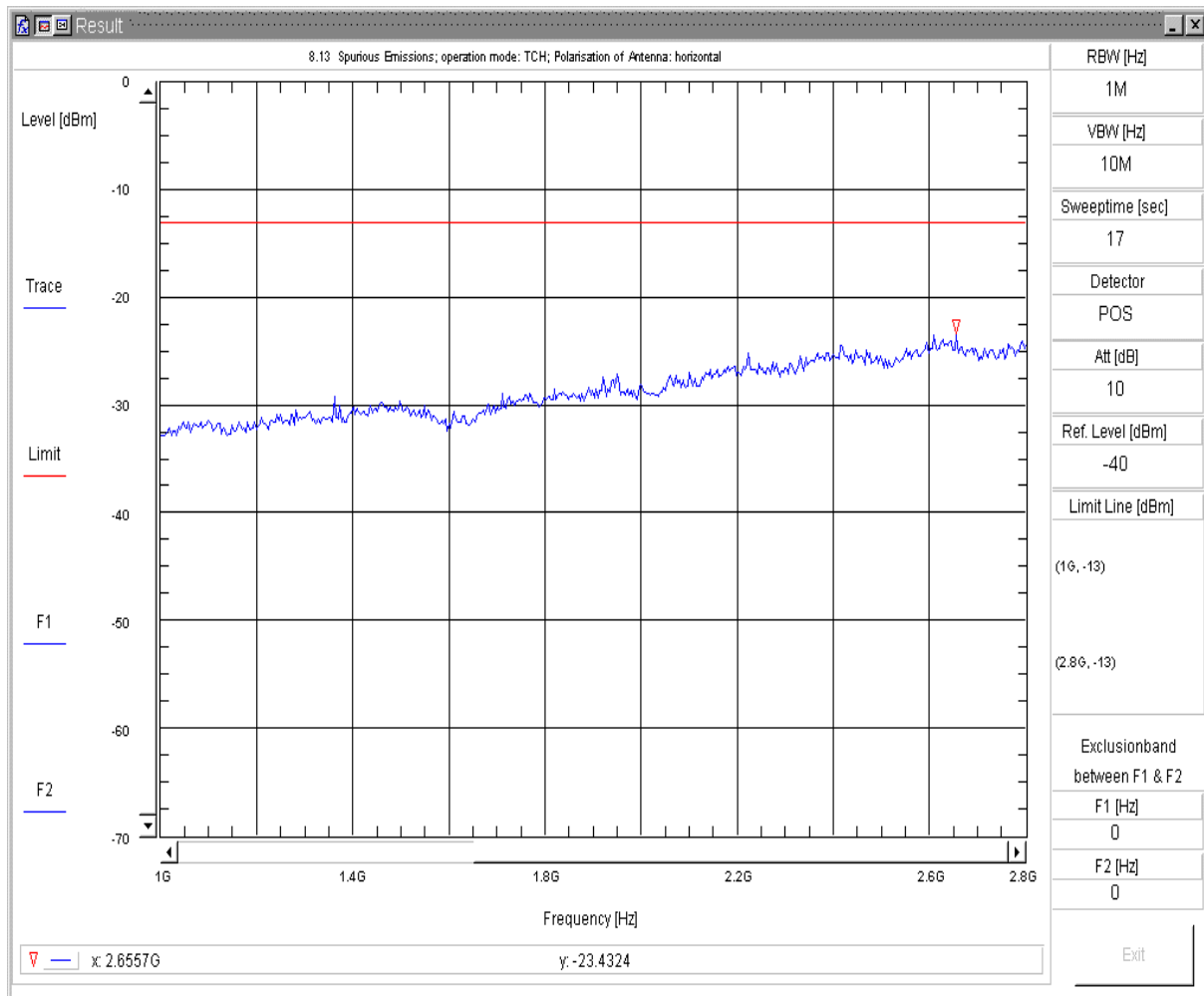


8.12 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 128
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 18:19:10ff

Spurious Emissions V7.2.5

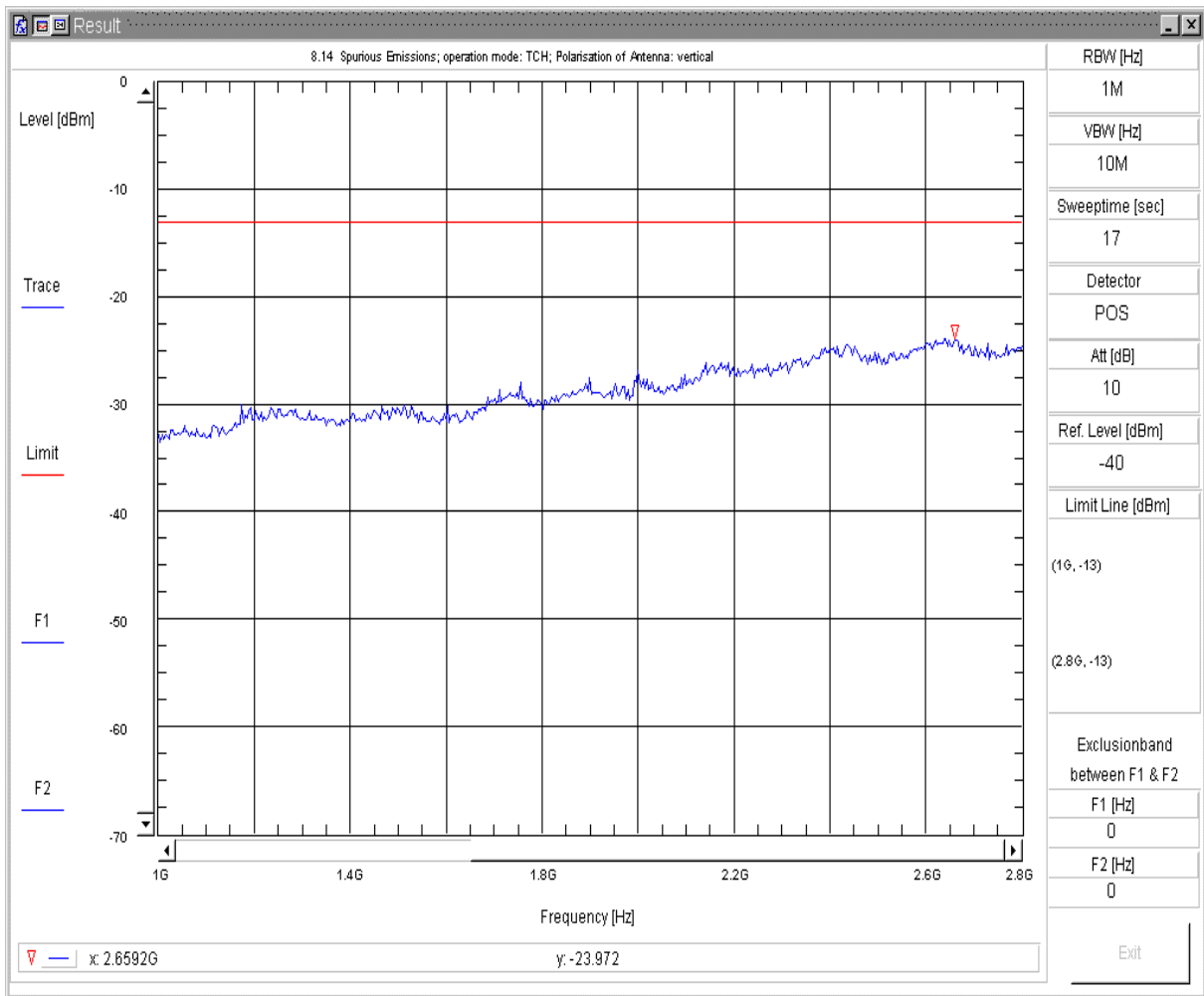


8.13 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 192
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 19:07:49fp

Spurious Emissions V7.2.5

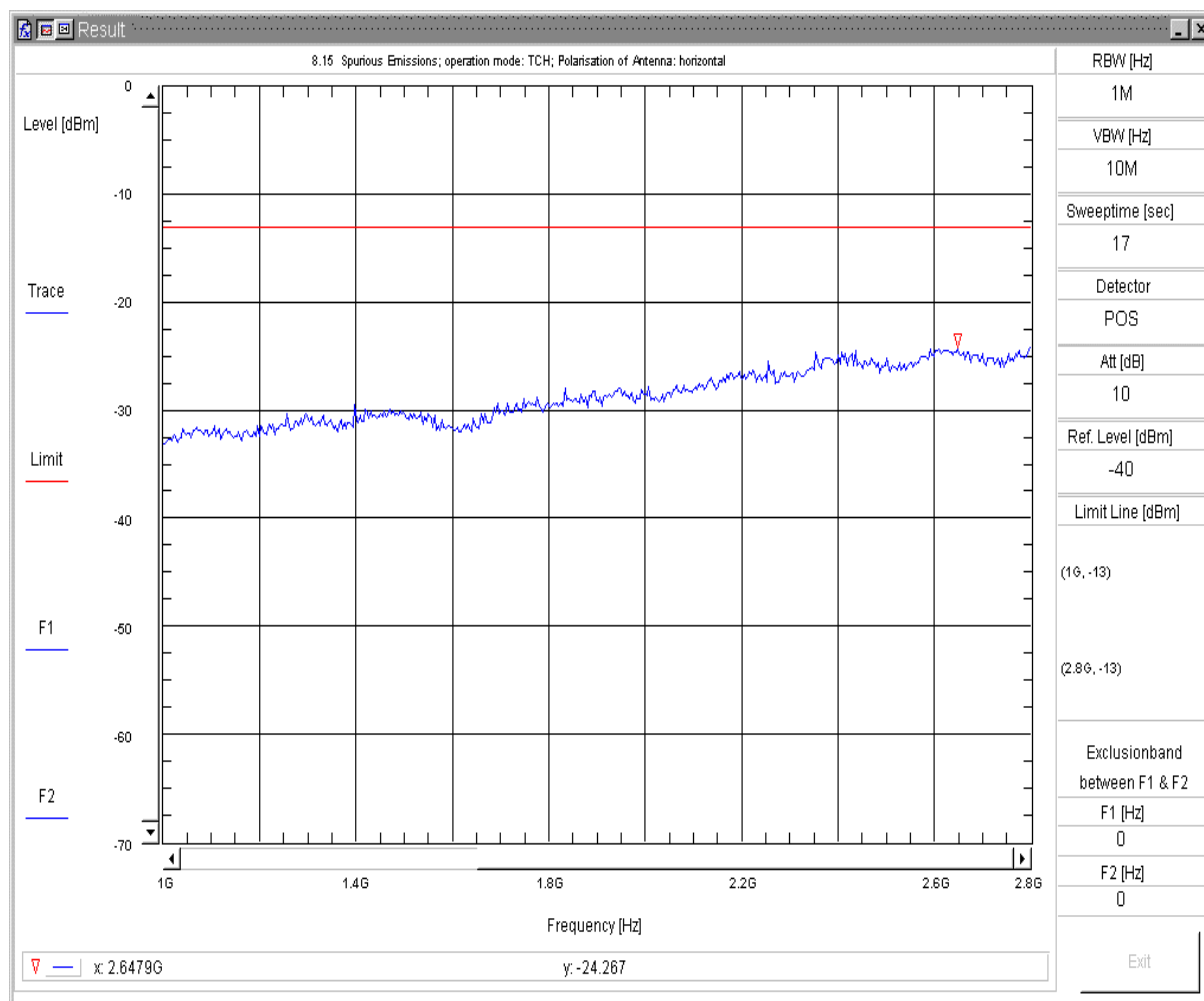


8.14 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 192
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 19:23:04ff

Spurious Emissions V7.2.5

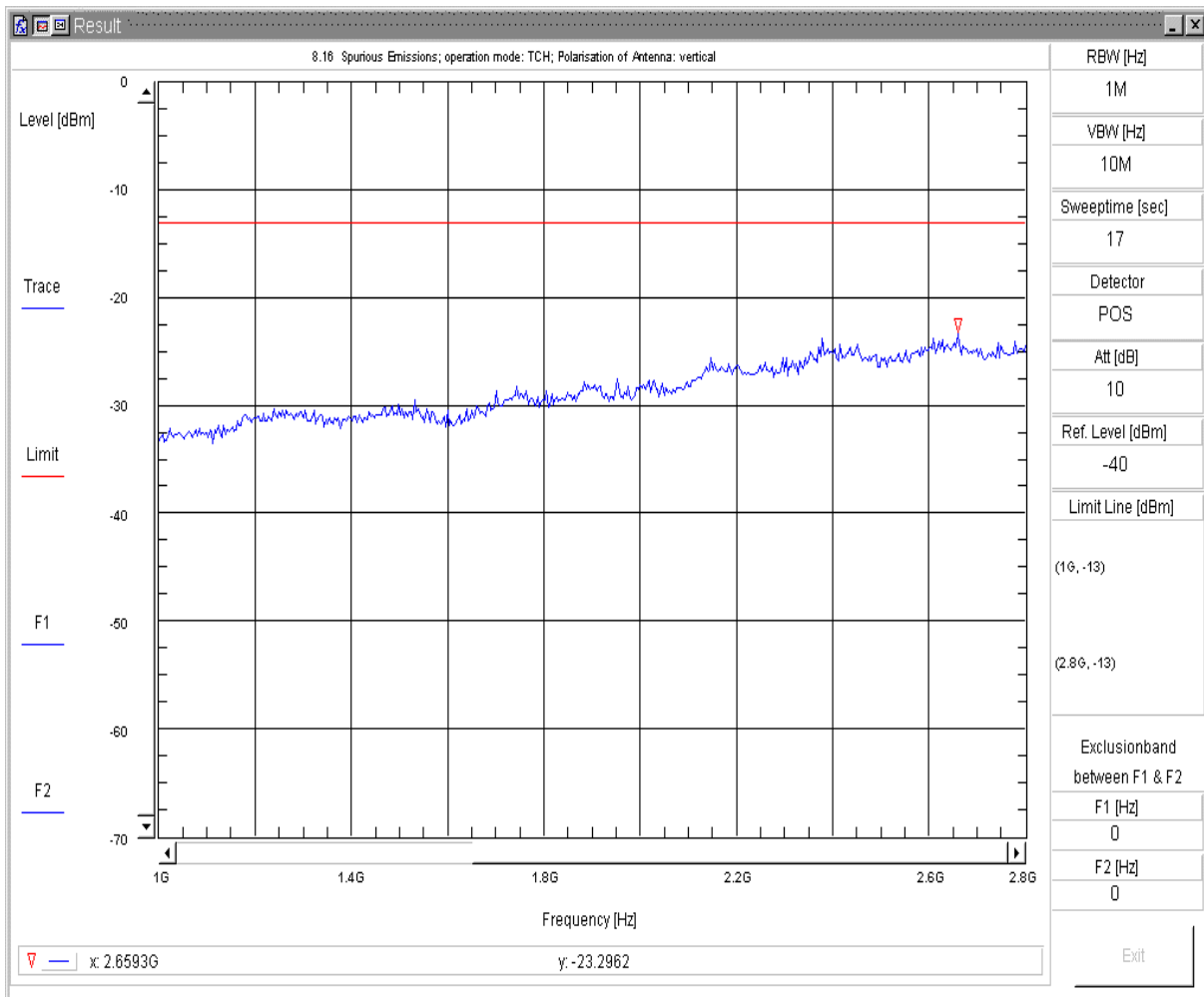


8.15 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 251
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 20:36:22fp

Spurious Emissions V7.2.5

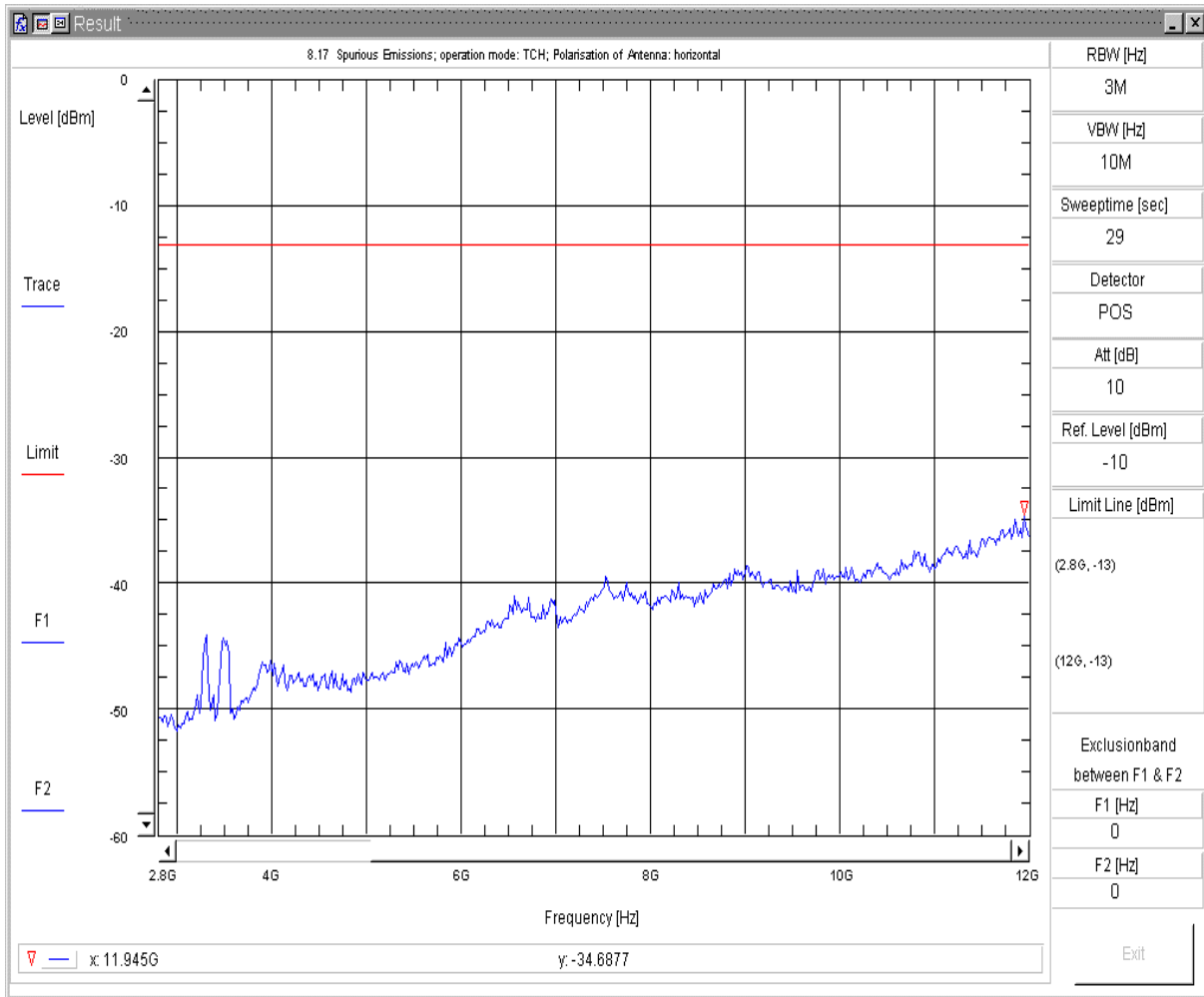


8.16 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 251
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 20:44:32ff

Spurious Emissions V7.2.5

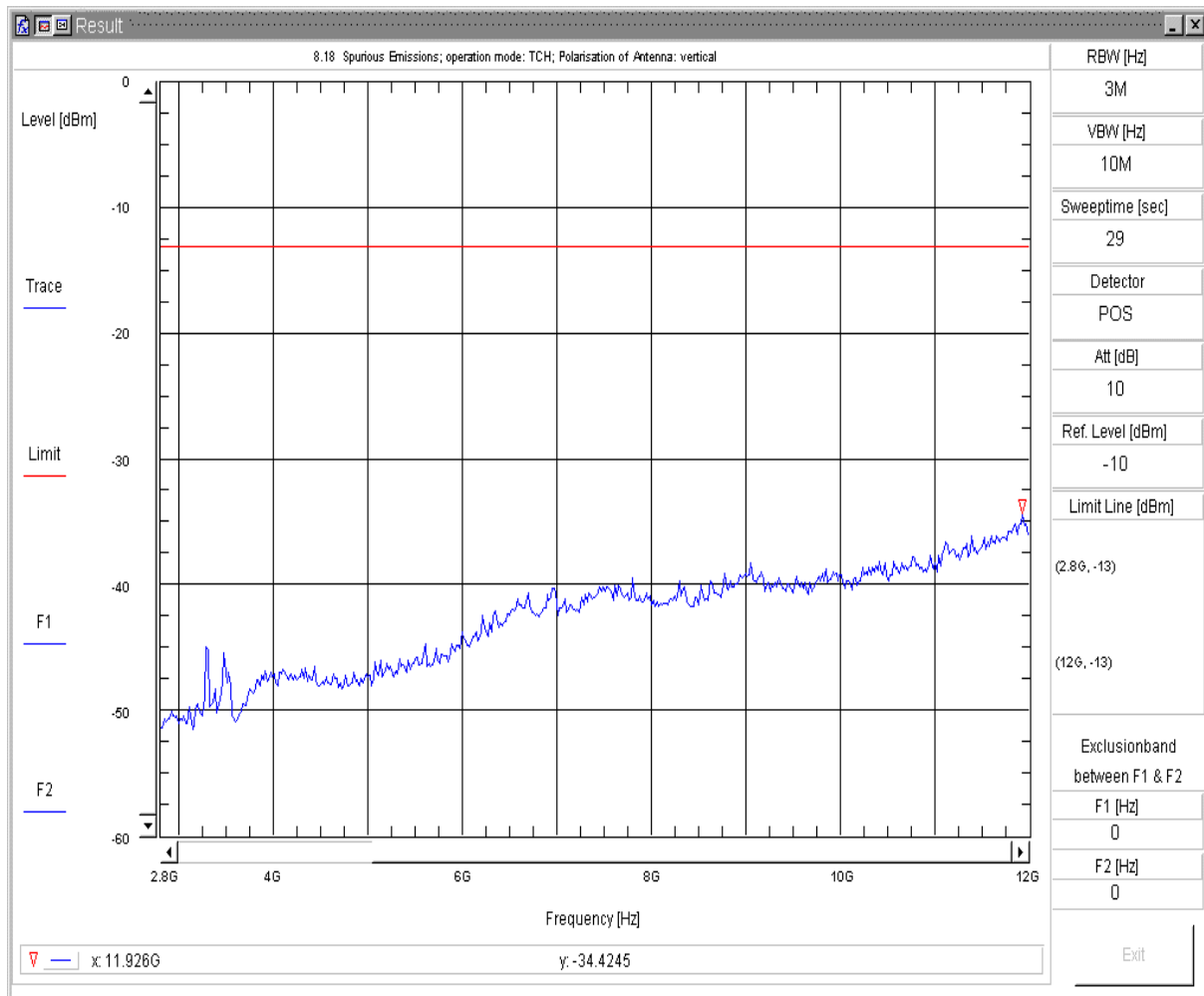


8.17 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 128
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 18:34:27ff

Spurious Emissions V7.2.5

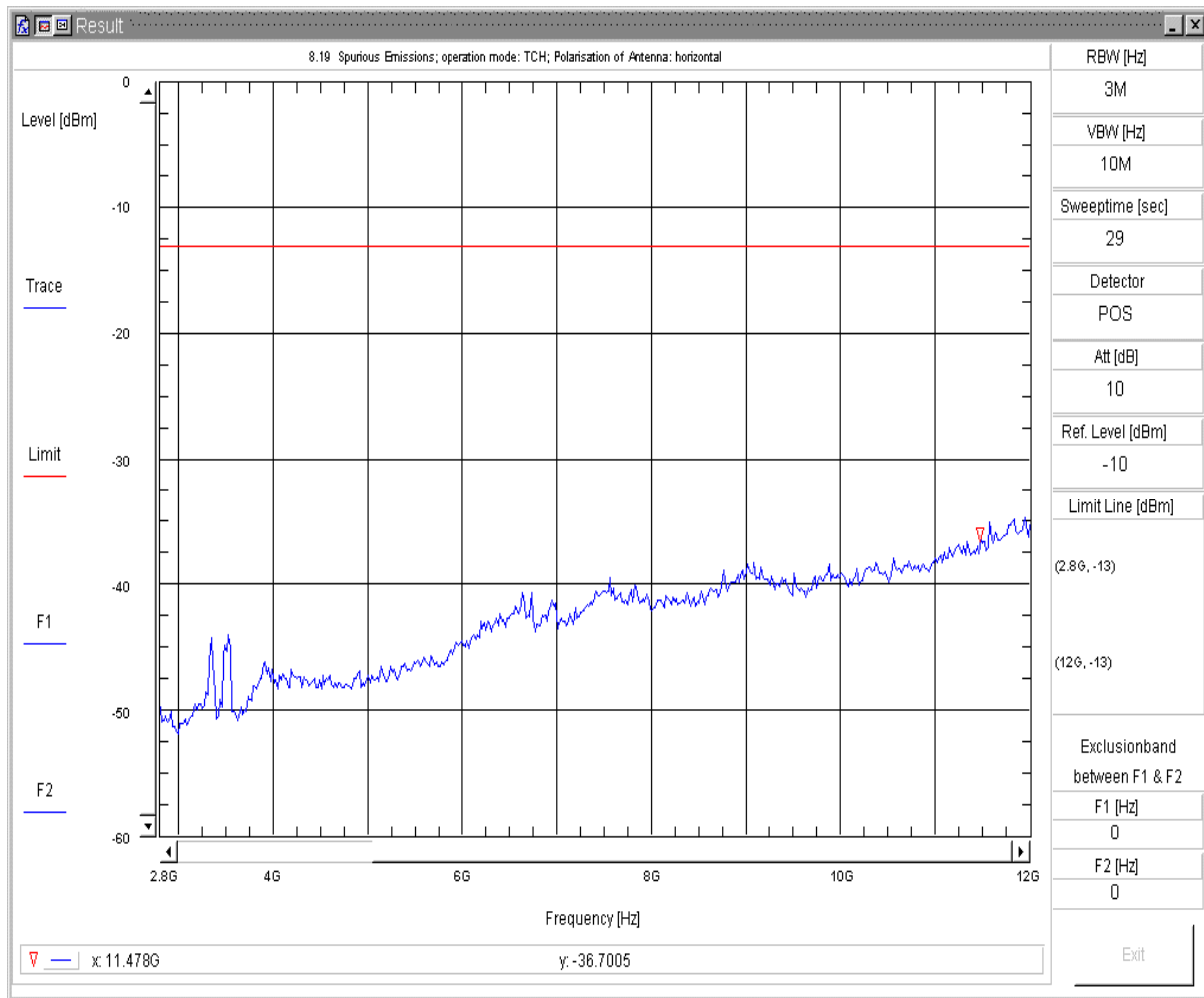


8.18 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 128
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 18:46:40ff

Spurious Emissions V7.2.5

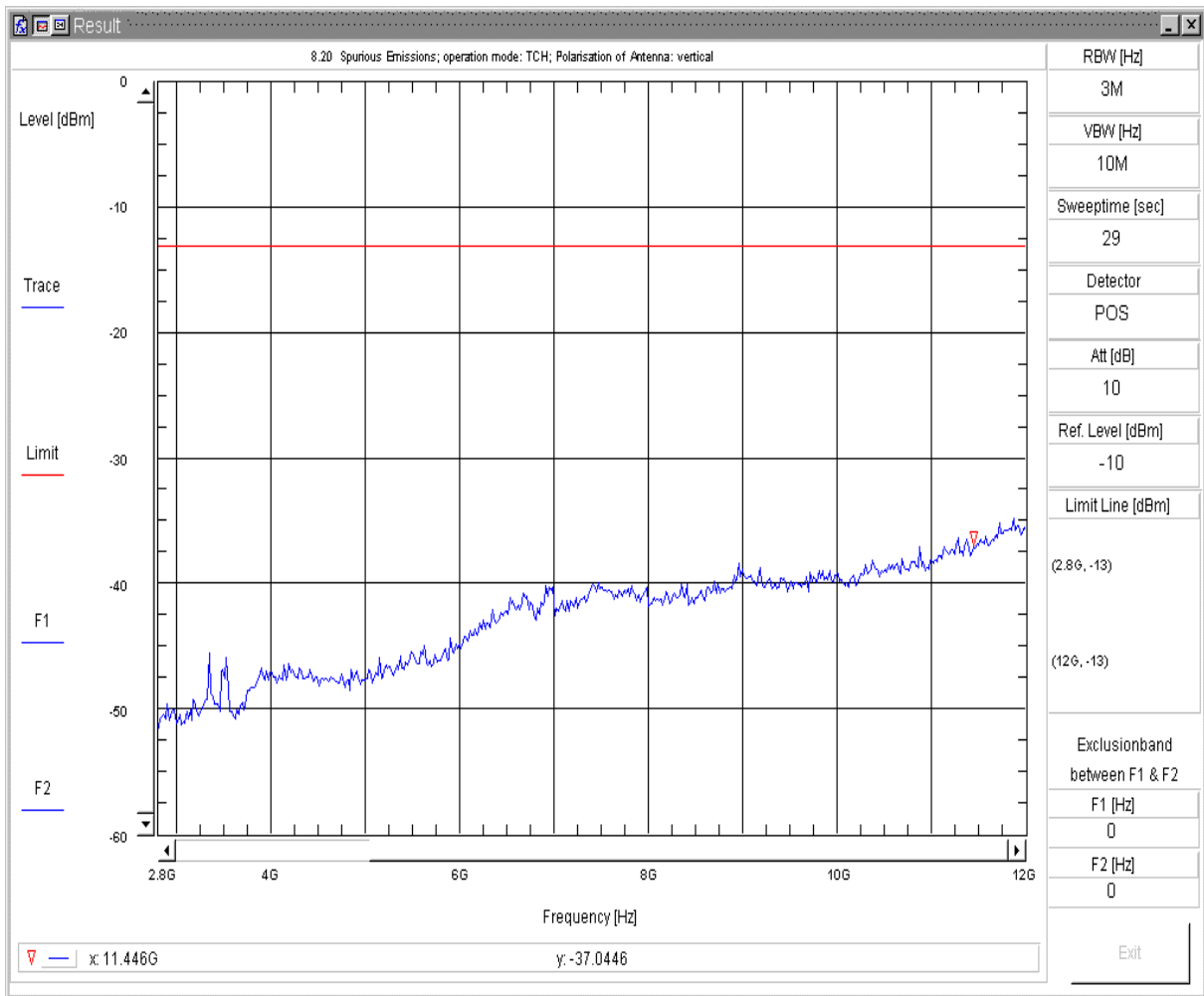


8.19 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 192
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 19:35:46fp

Spurious Emissions V7.2.5

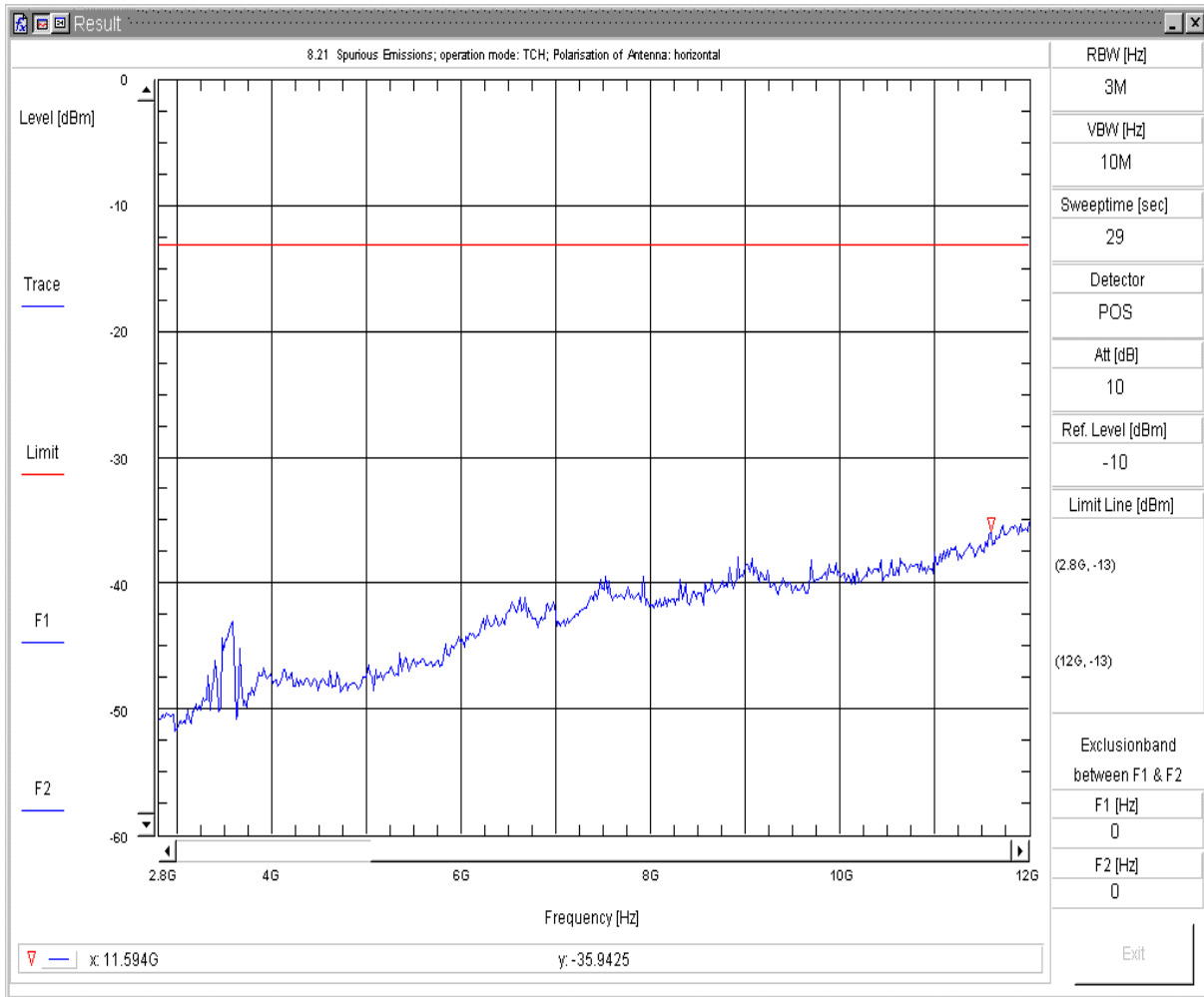


8.20 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 192
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 19:52:58ff

Spurious Emissions V7.2.5

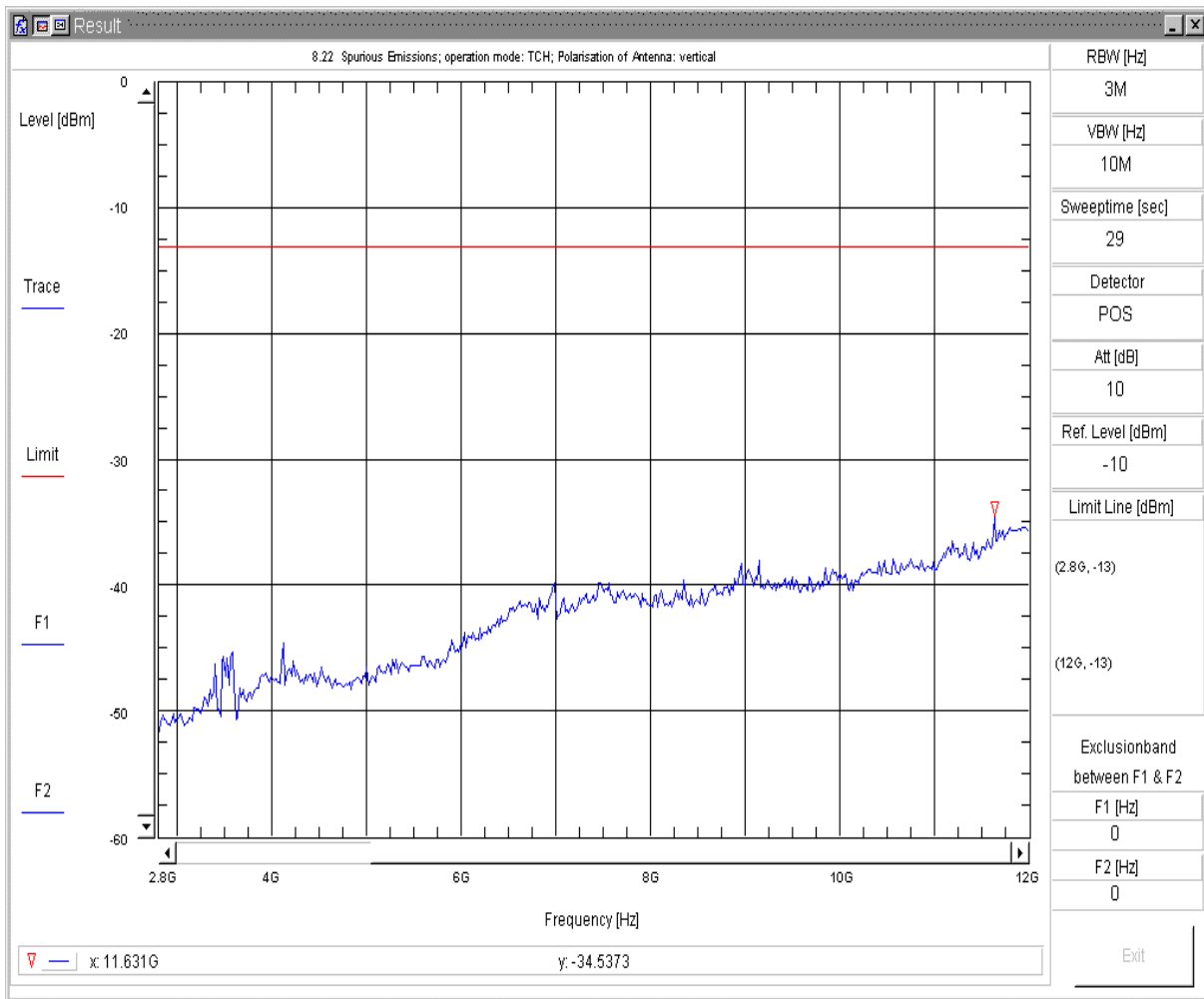


8.21 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 251
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 20:58:43ff

Spurious Emissions V7.2.5



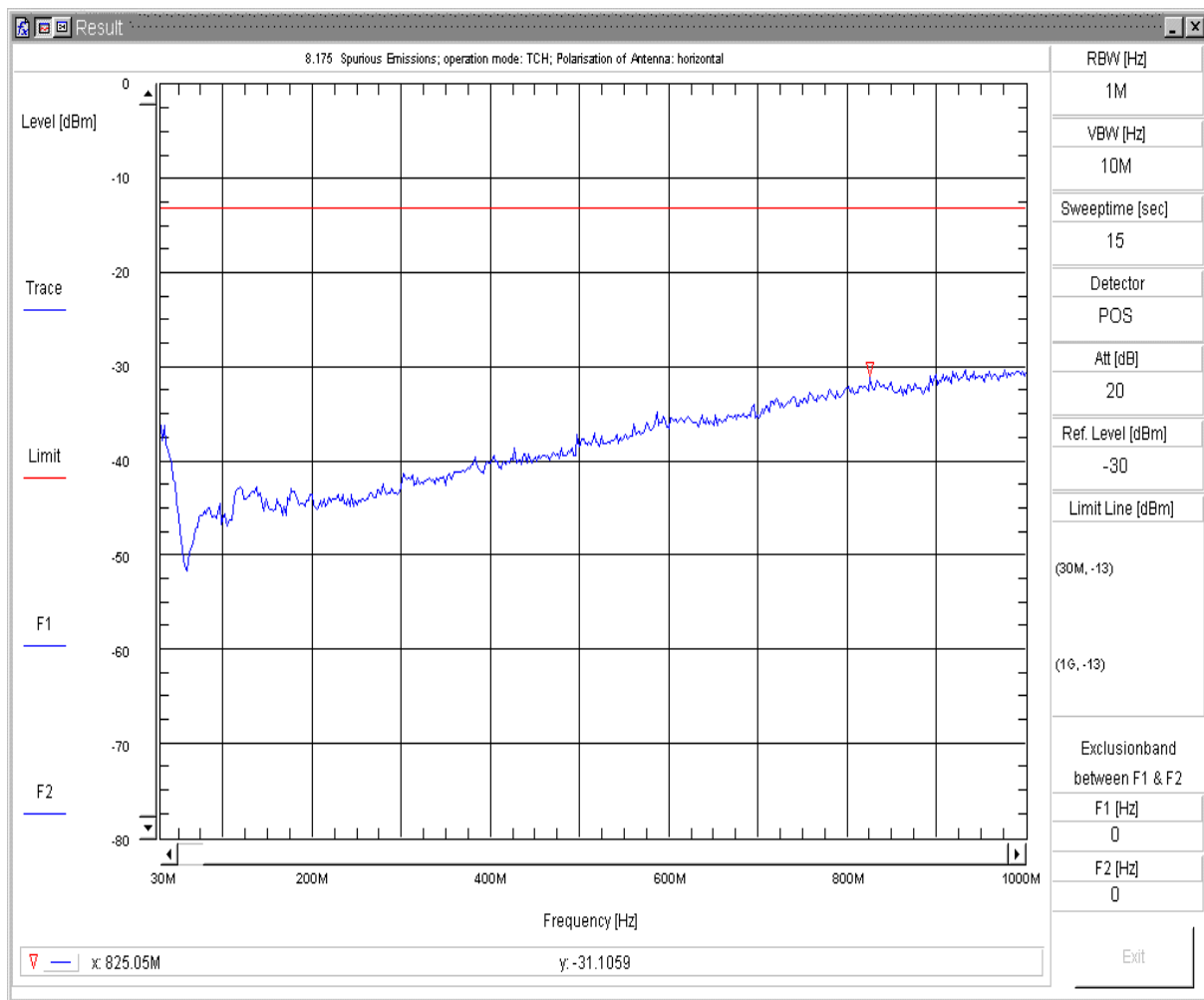
8.22 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: Channel 251
 Operator: x_Ken
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Tue 04/May/2010 21:11:39ff

Spurious Emissions V7.2.5

1.9. Spurious emissions radiated – GSM1900 Mode

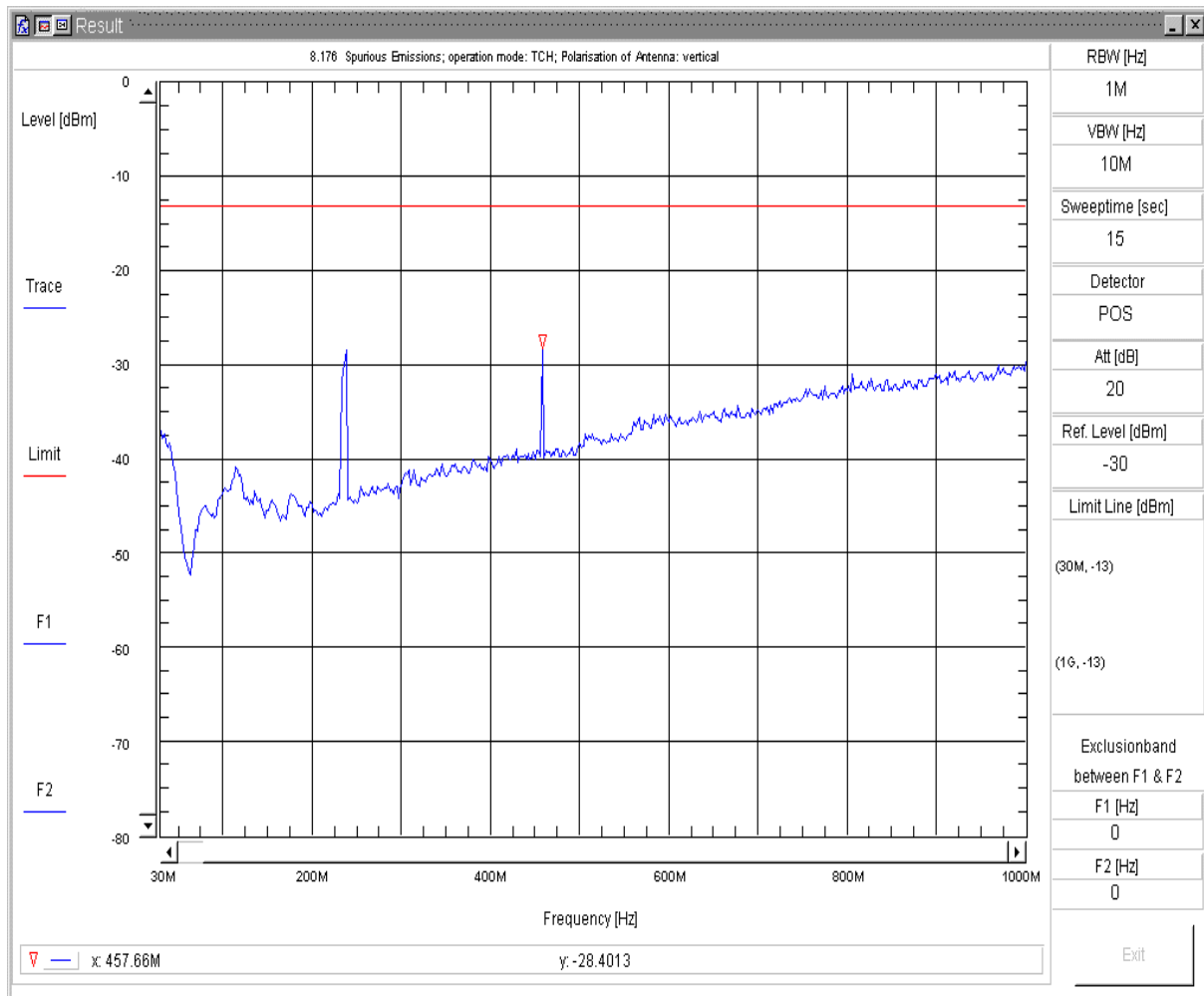


8.23 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: -TCH-ARFCN 512
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 07:48:54pff

Spurious Emissions V7.2.5

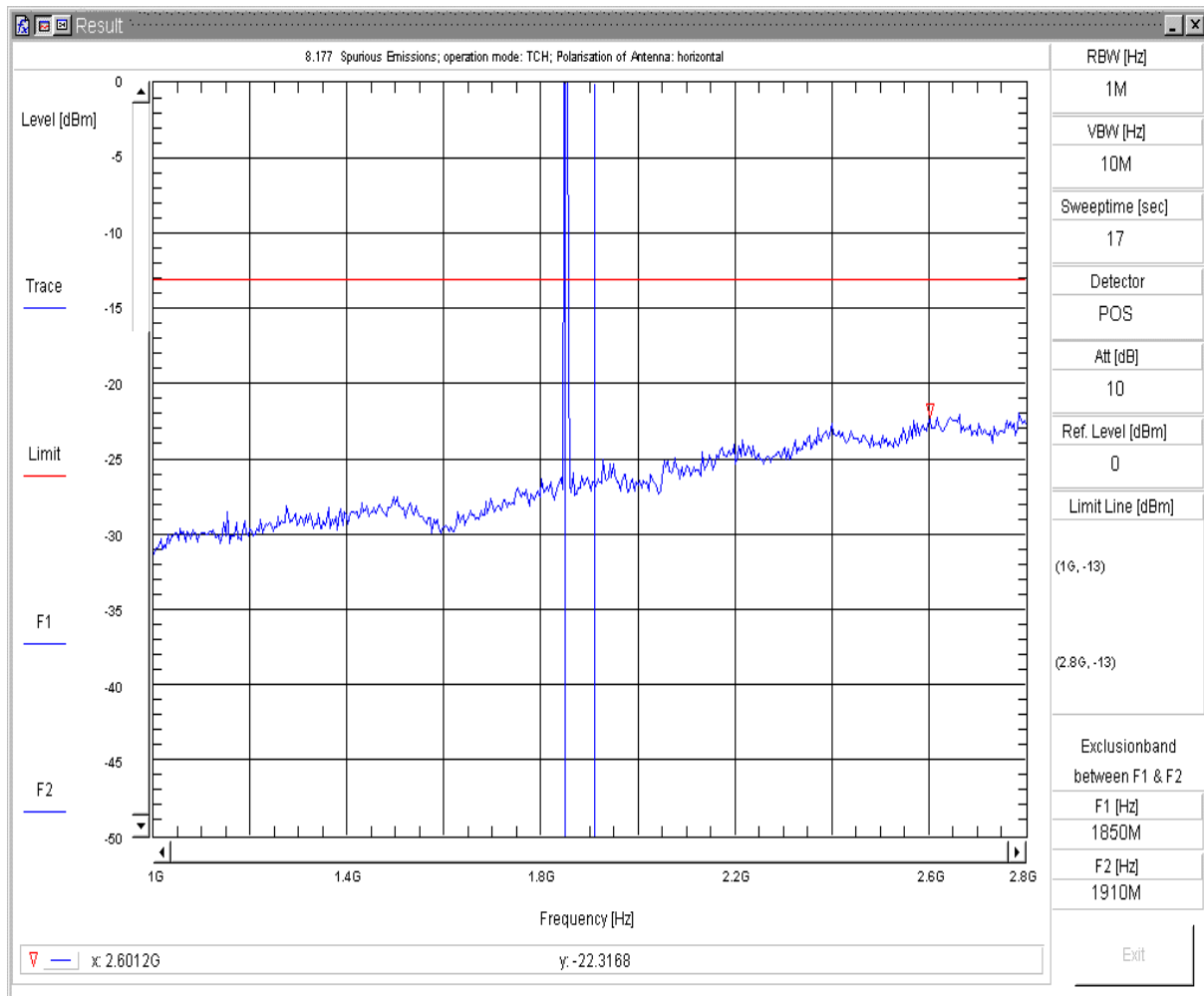


8.24 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep1
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: -TCH-ARFCN 512
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 07:53:43fpf

Spurious Emissions V7.2.5

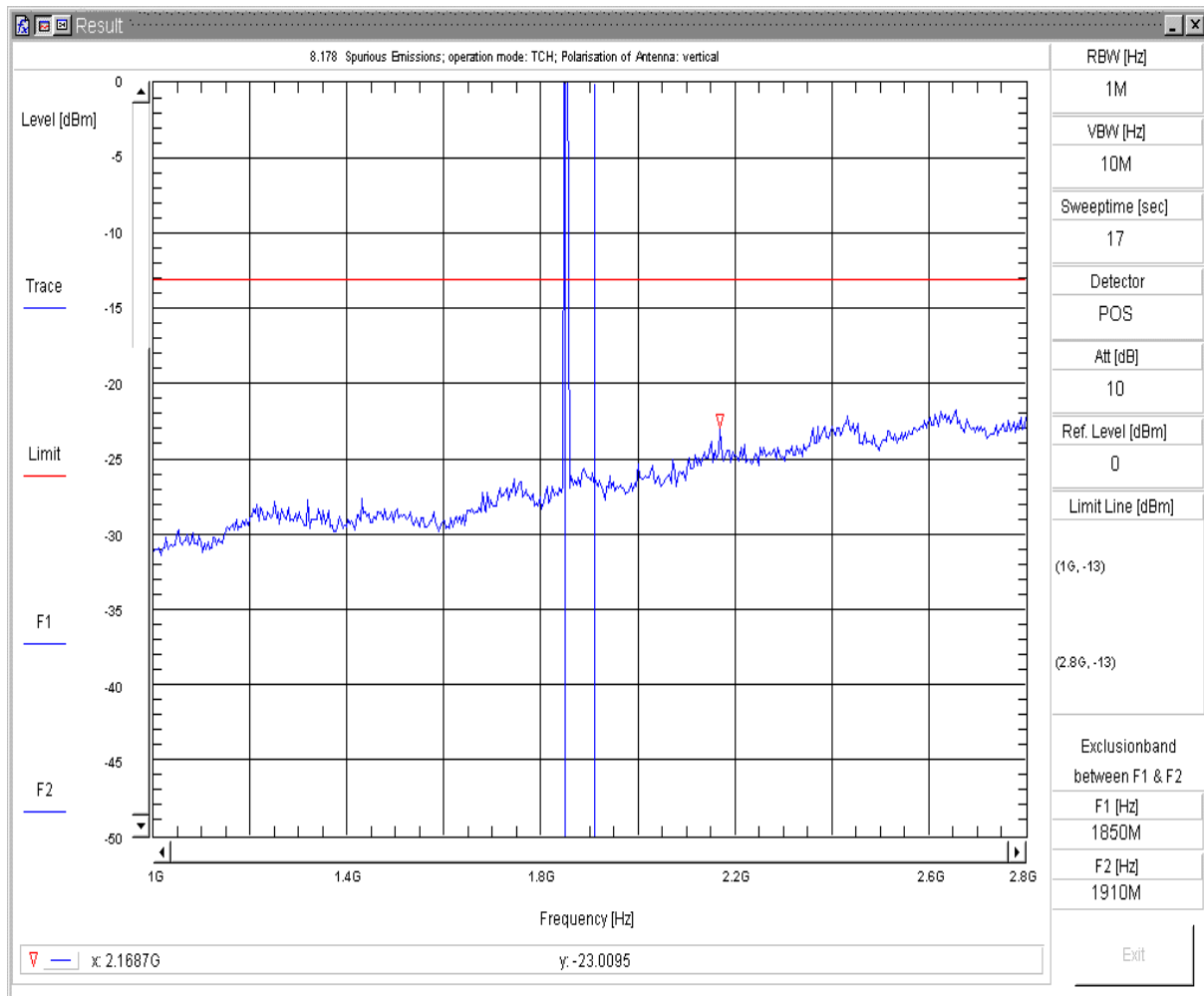


8.25 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep2
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: -TCH-ARFCN 512
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 07:59:04pp

Spurious Emissions V7.2.5

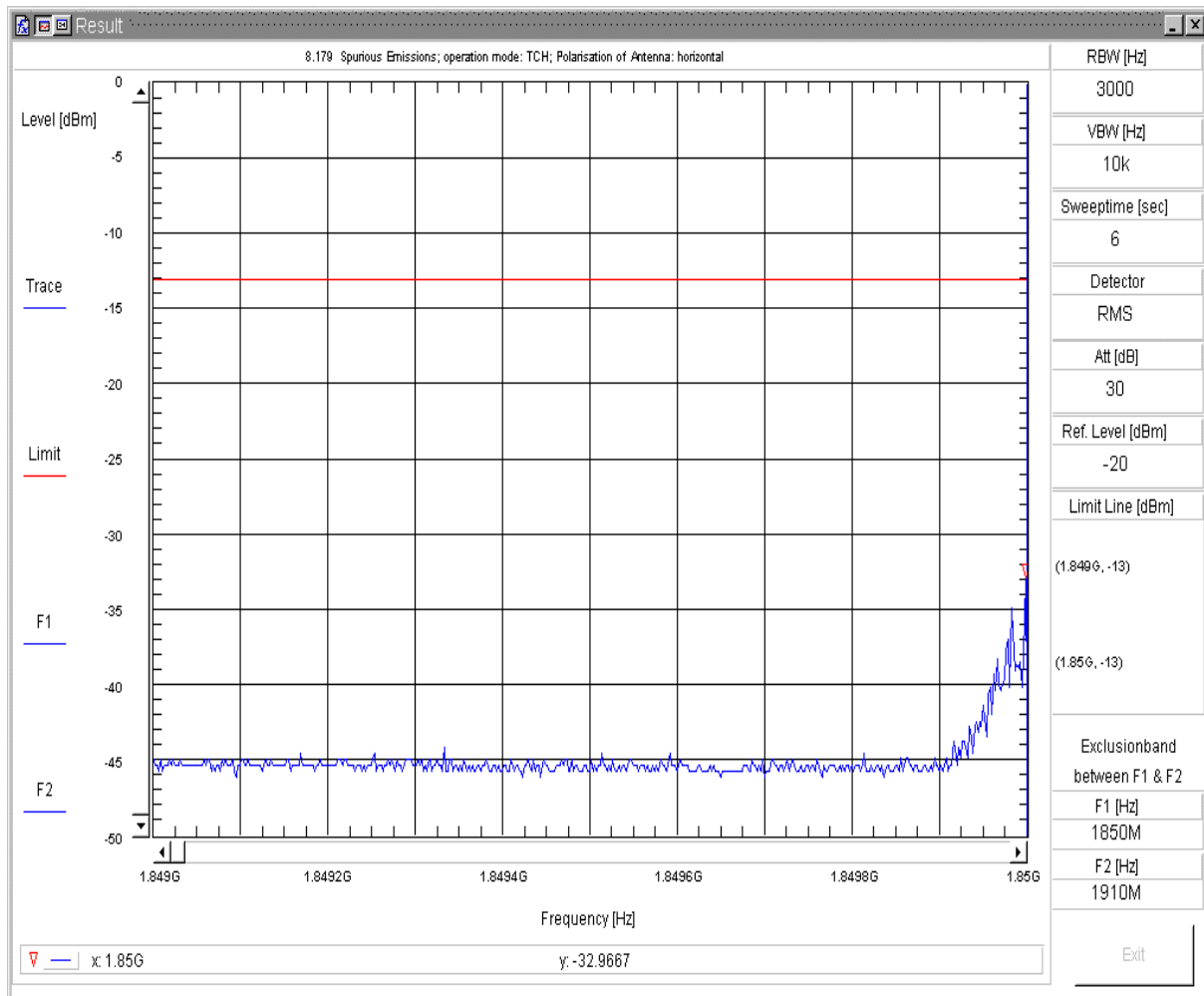


8.26 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep2
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: -TCH-ARFCN 512
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 08:06:08ff

Spurious Emissions V7.2.5

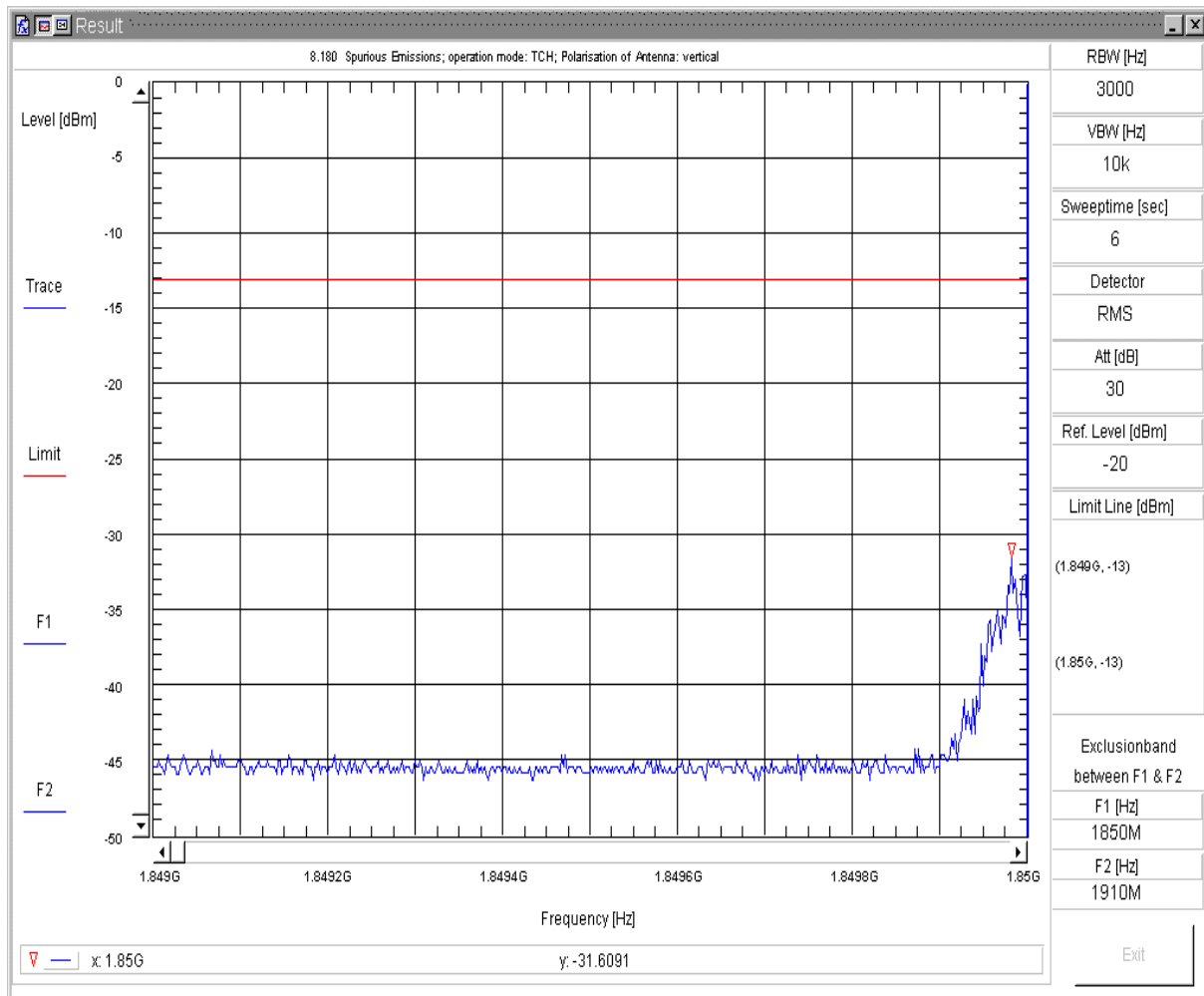


8.27 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_H
 Sweepnr: Sweep3
 Pol. of Antenna: horizontal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: -TCH-ARFCN 512
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 08:14:23pp

Spurious Emissions V7.2.5

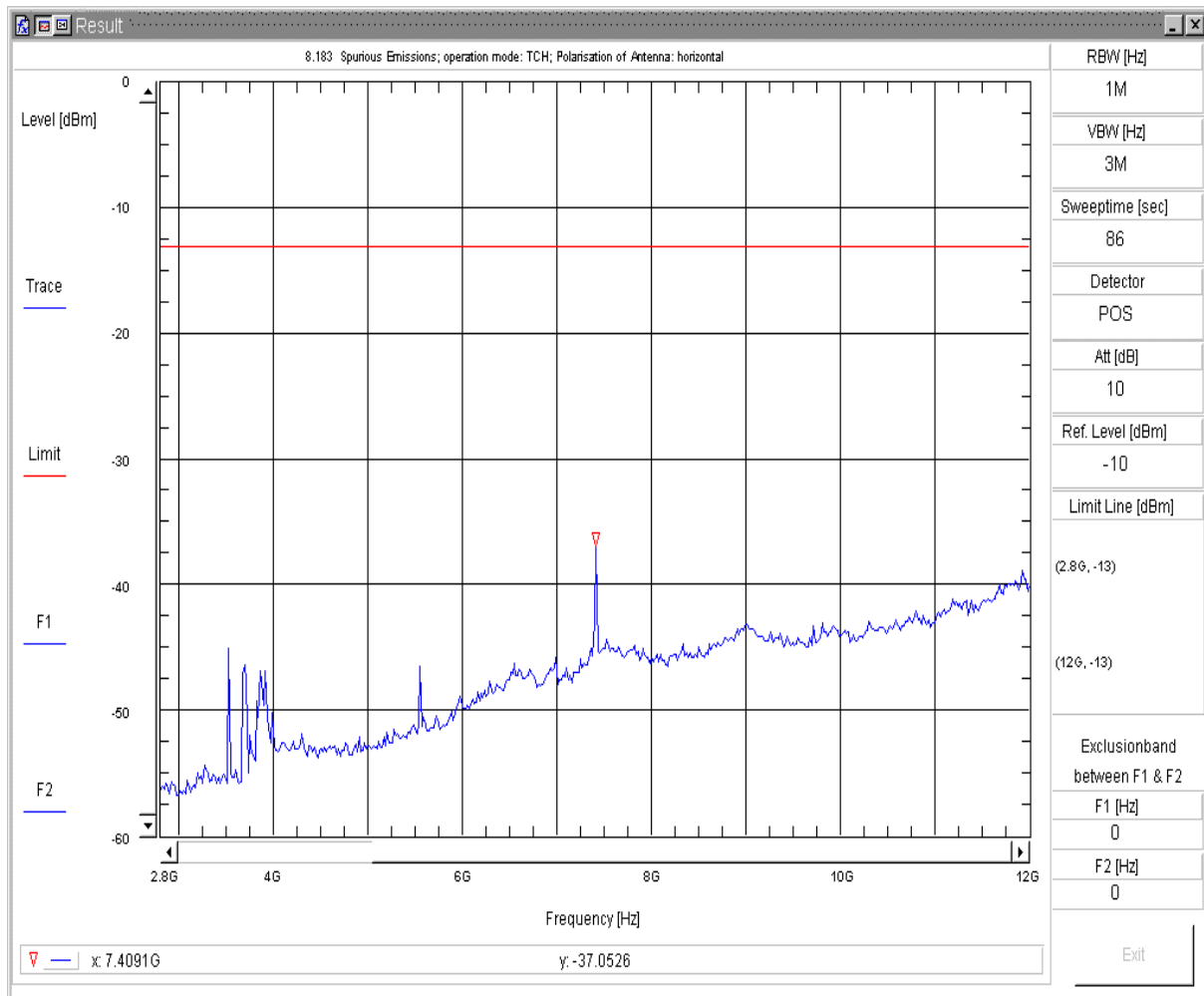


8.28 Radiated Spurious Emission

Transducer: c:\vee_user\spuri_V7\FCC_Part_24.238_(GSM_1900)\TD_TX_V
 Sweepnr: Sweep3
 Pol. of Antenna: vertikal
 EUT Position: EUT_vertical+horizontal
 EUT OP Mode: FCC_Part_24.238_(GSM_1900) TCH
 EUT Description: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: - TCH512
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 08:18:51ff

Spurious Emissions V7.2.5

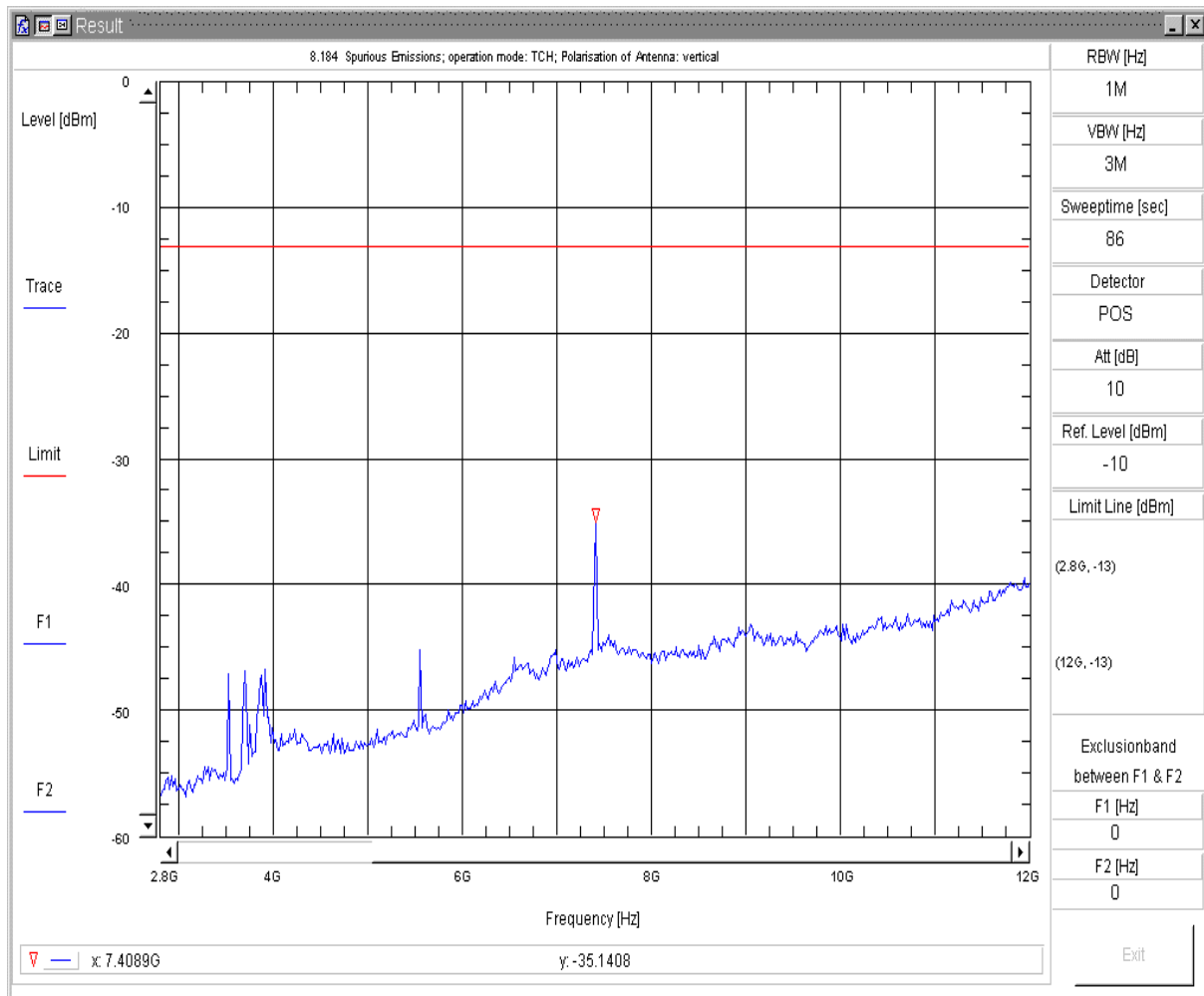


8.29 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: - TCH 512
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 08:33:37fp

Spurious Emissions V7.2.5

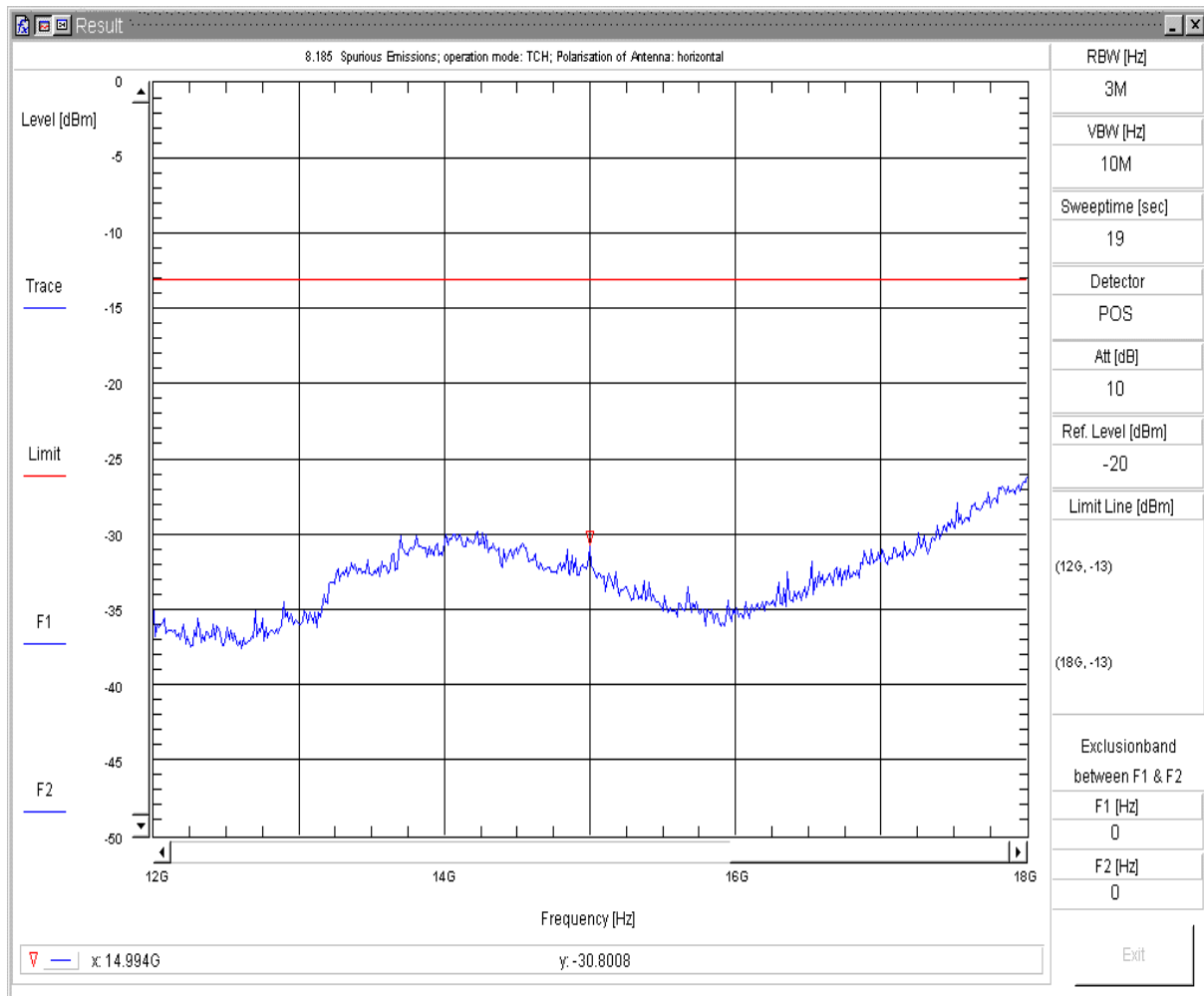


8.30 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: - TCH 512
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 09:03:13fp

Spurious Emissions V7.2.5

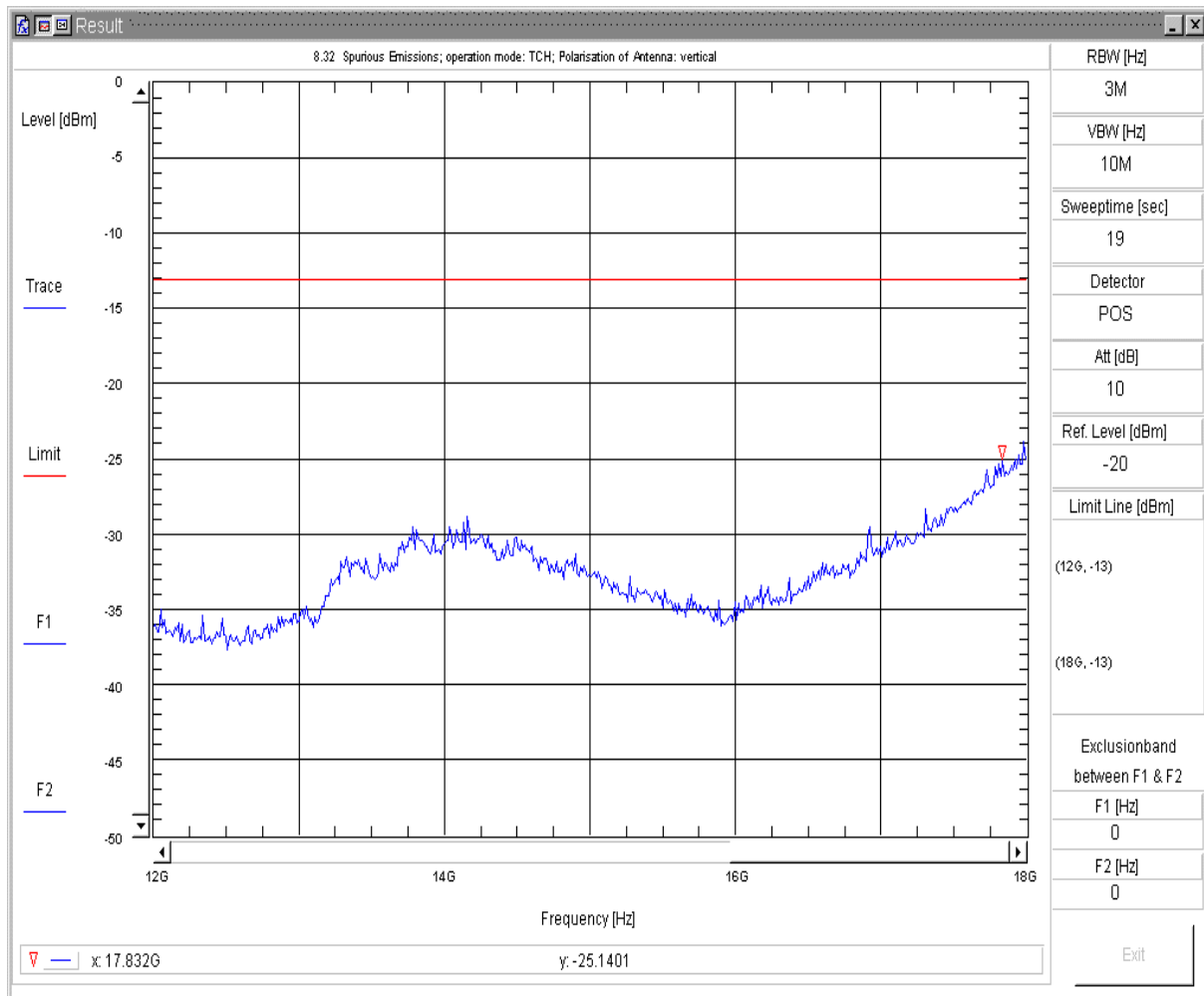


8.31 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: - TCH 512
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 09:26:28fp

Spurious Emissions V7.2.5

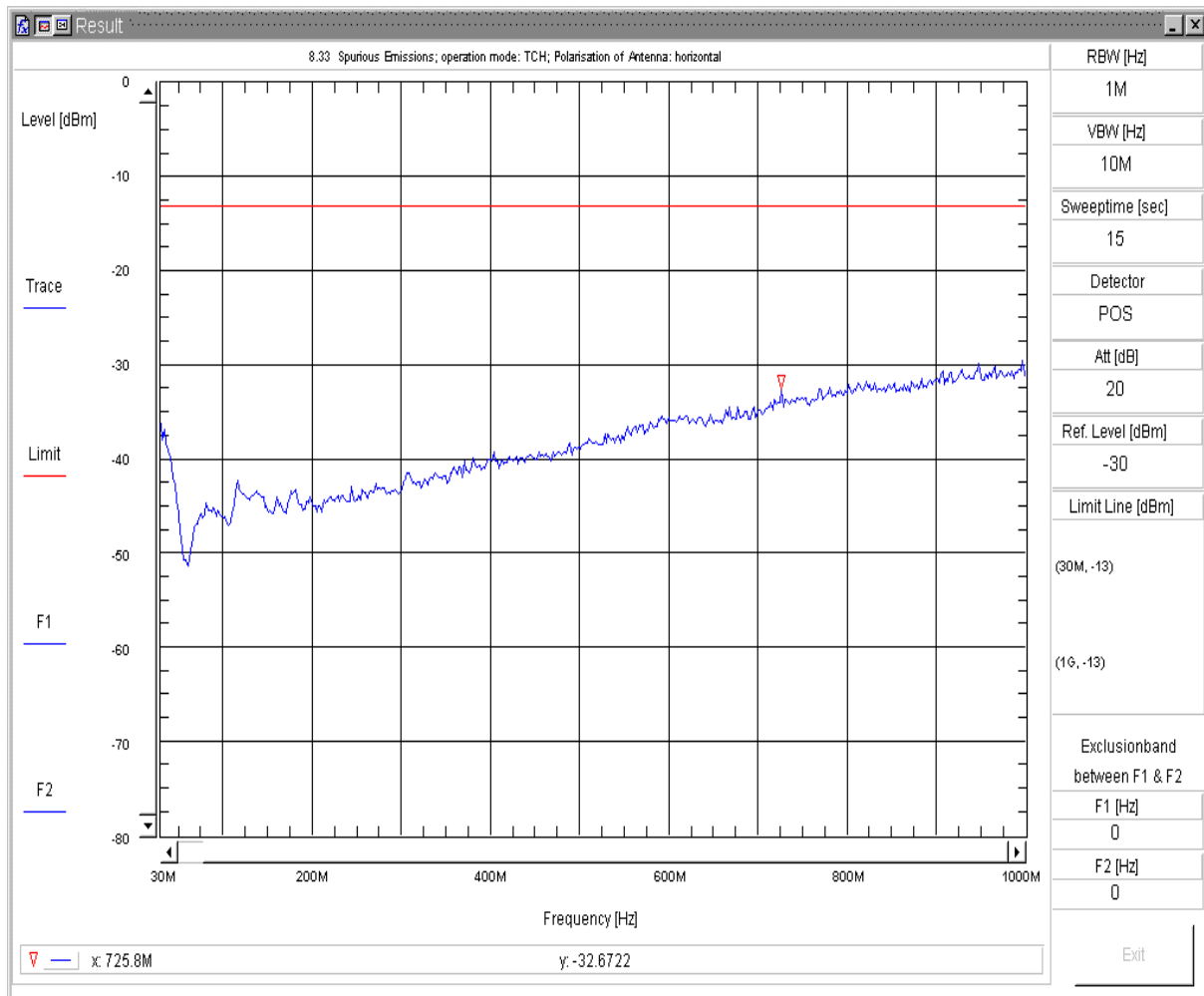


8.32 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: - TCH 512
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 09:37:30ff

Spurious Emissions V7.2.5

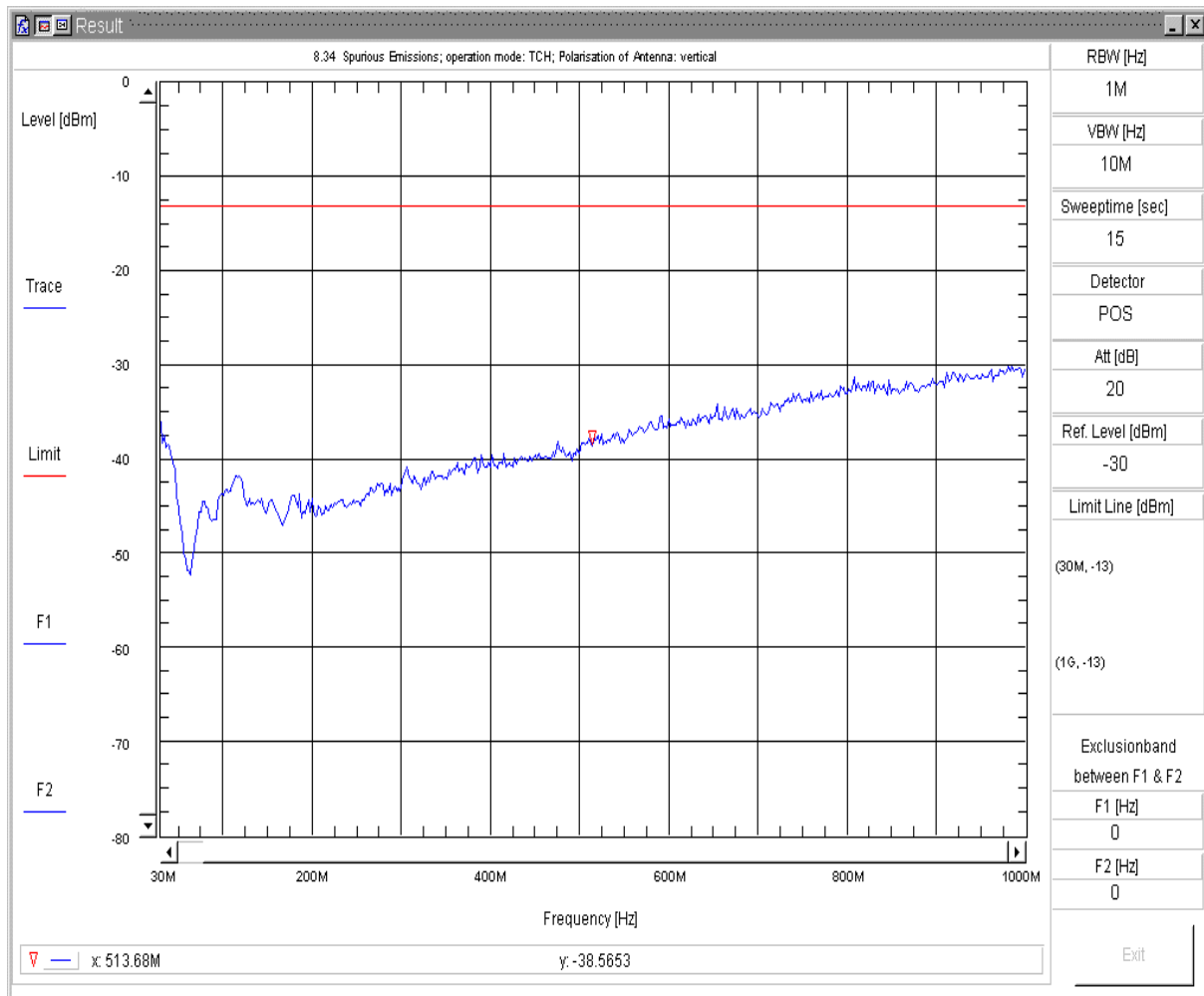


8.33 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 661
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 09:46:01pff

Spurious Emissions V7.2.5

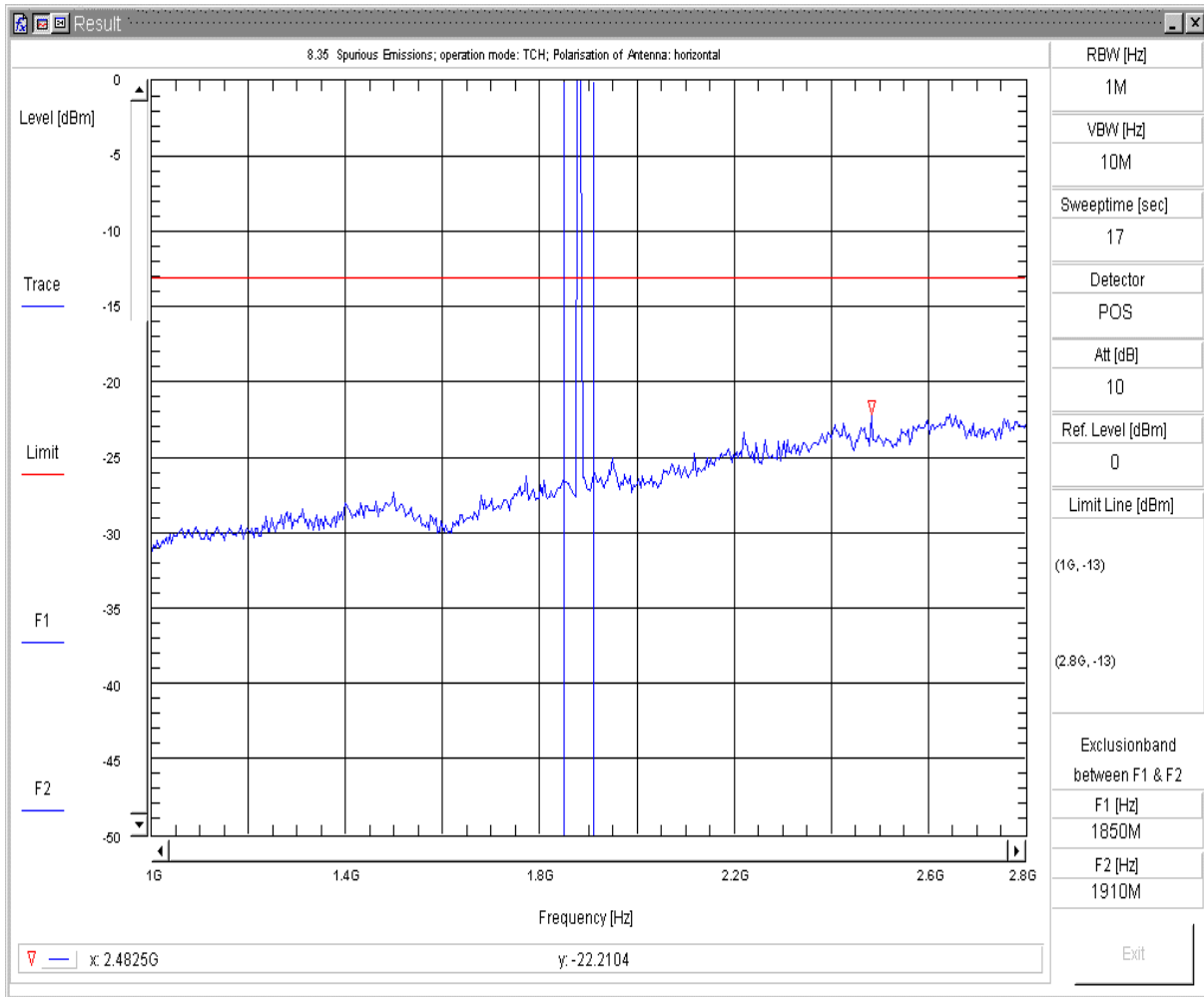


8.34 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 661
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 09:50:50pf

Spurious Emissions V7.2.5

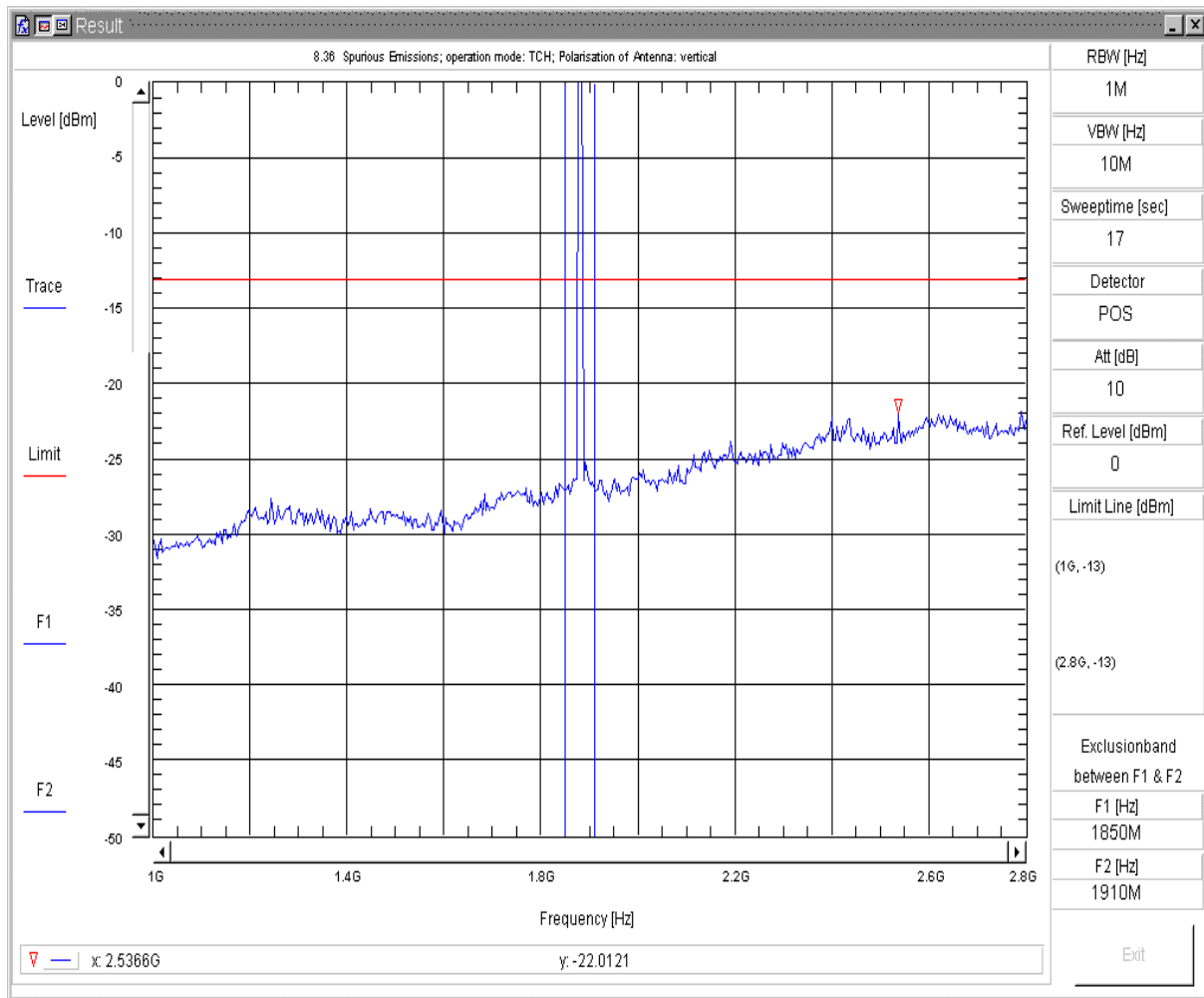


8.35 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 661
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 09:55:13pp

Spurious Emissions V7.2.5

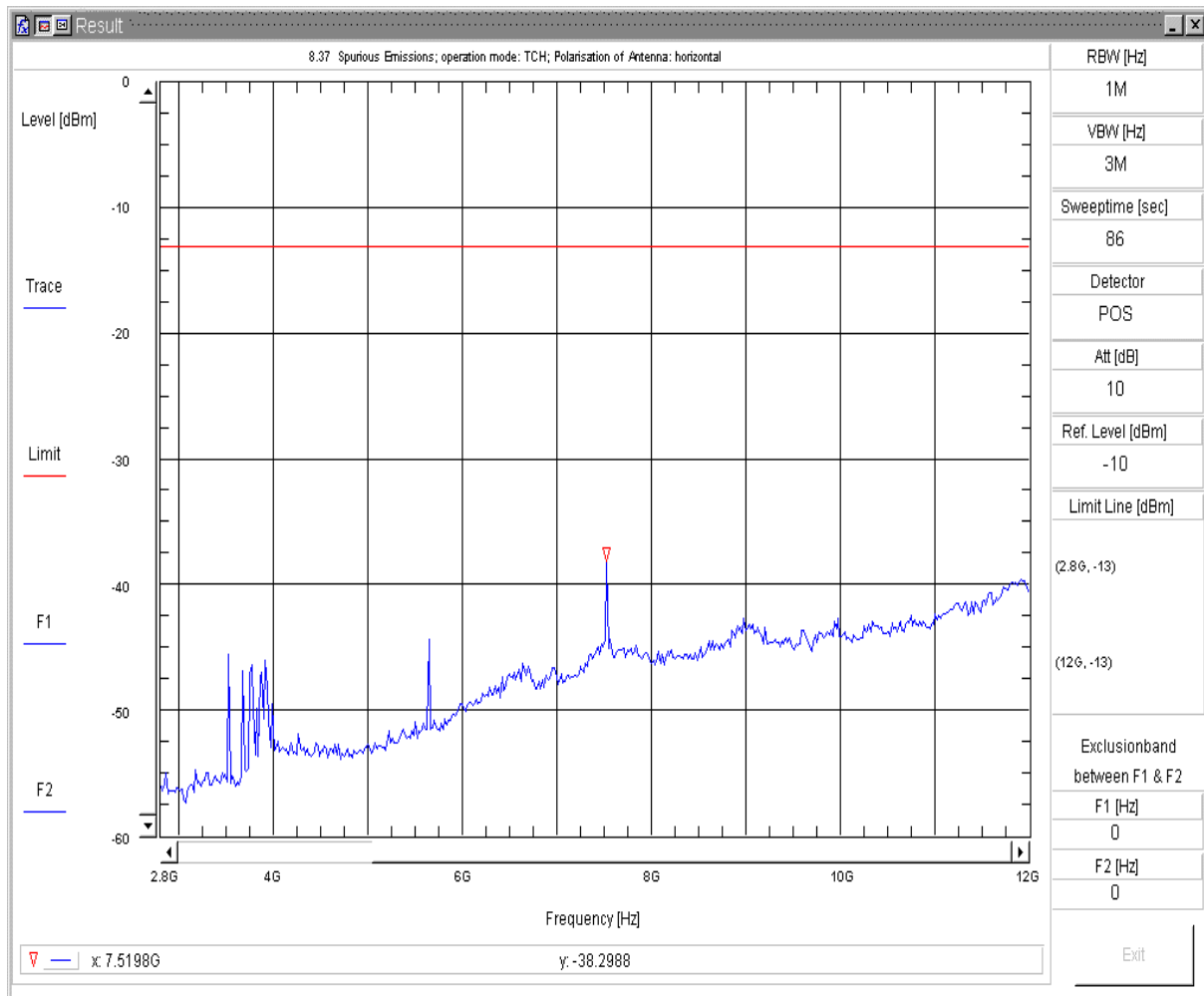


8.36 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 661
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 10:02:10ff

Spurious Emissions V7.2.5

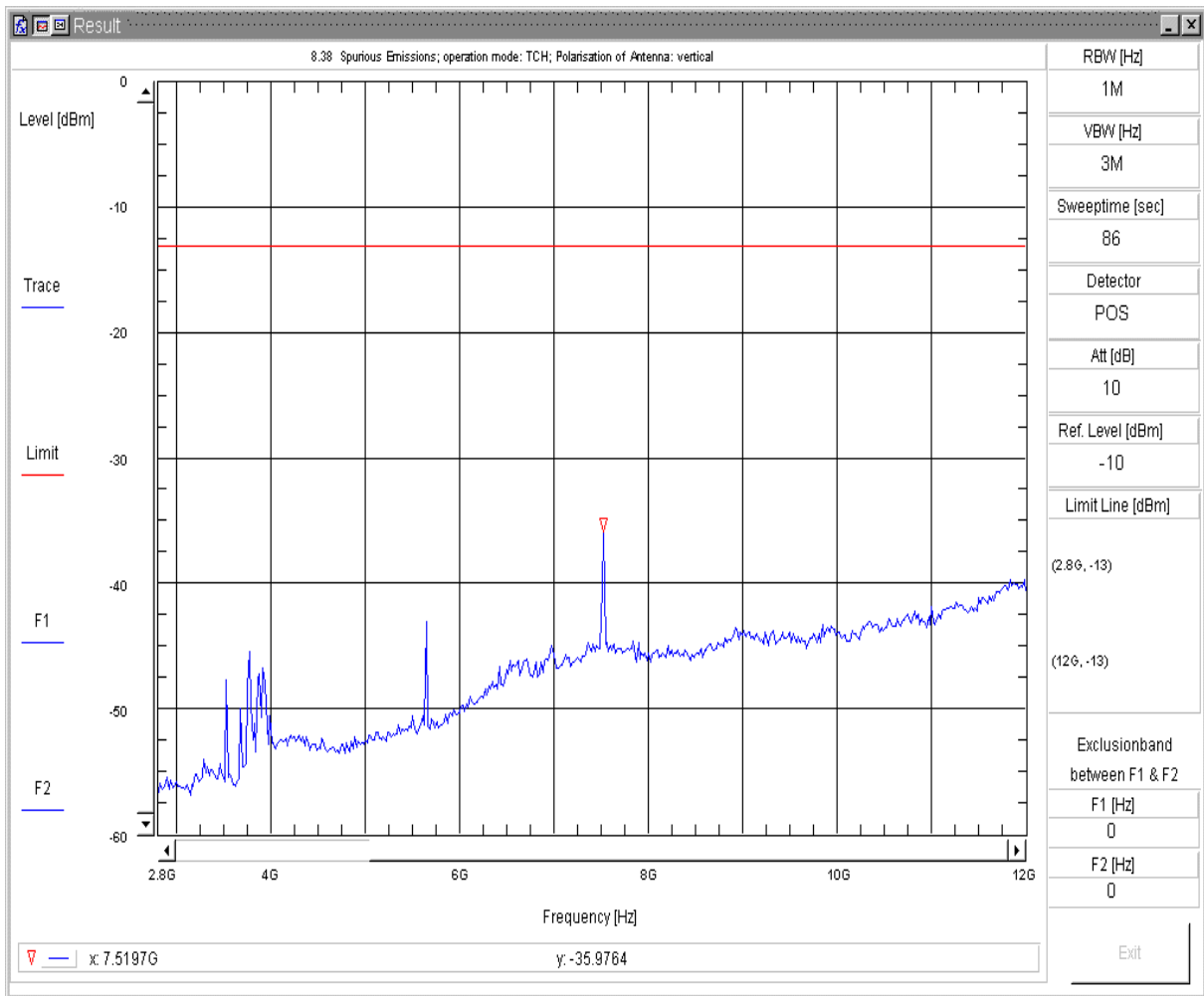


8.37 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: -TCH-ARFCN 661
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 10:09:15fp

Spurious Emissions V7.2.5

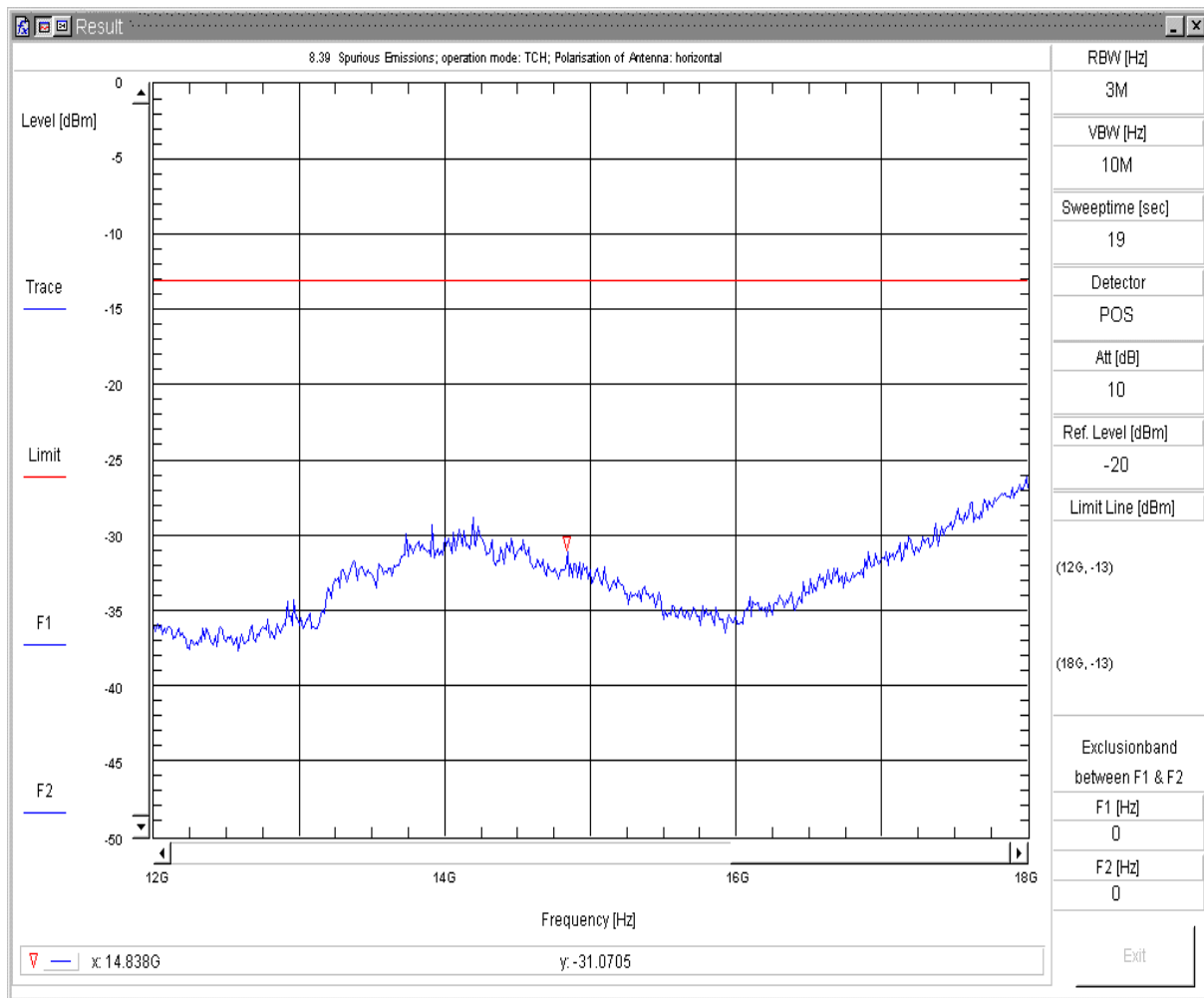


8.38 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: -TCH-ARFCN 661
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 10:32:35fp

Spurious Emissions V7.2.5

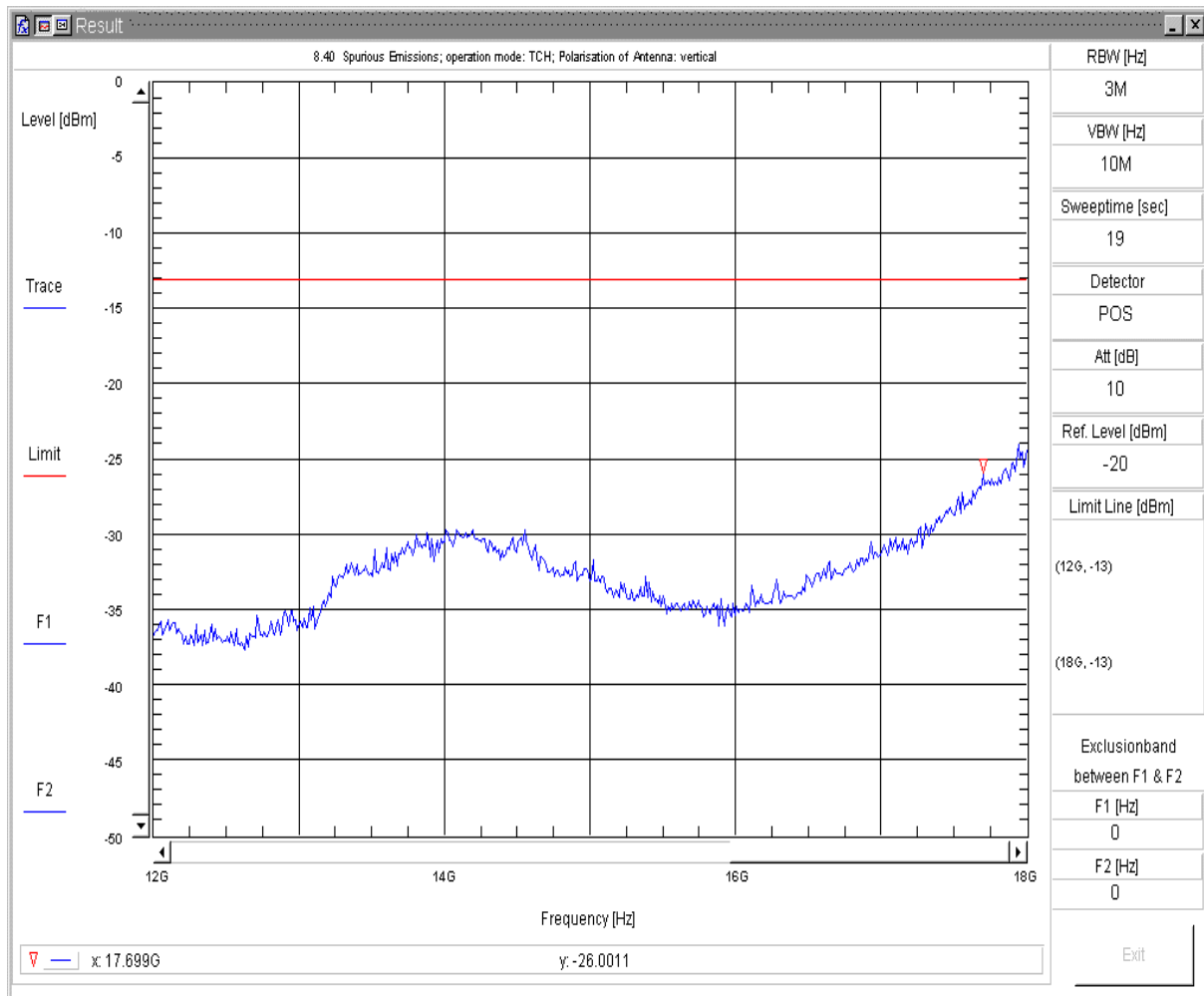


8.39 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 661
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 10:55:33ff

Spurious Emissions V7.2.5

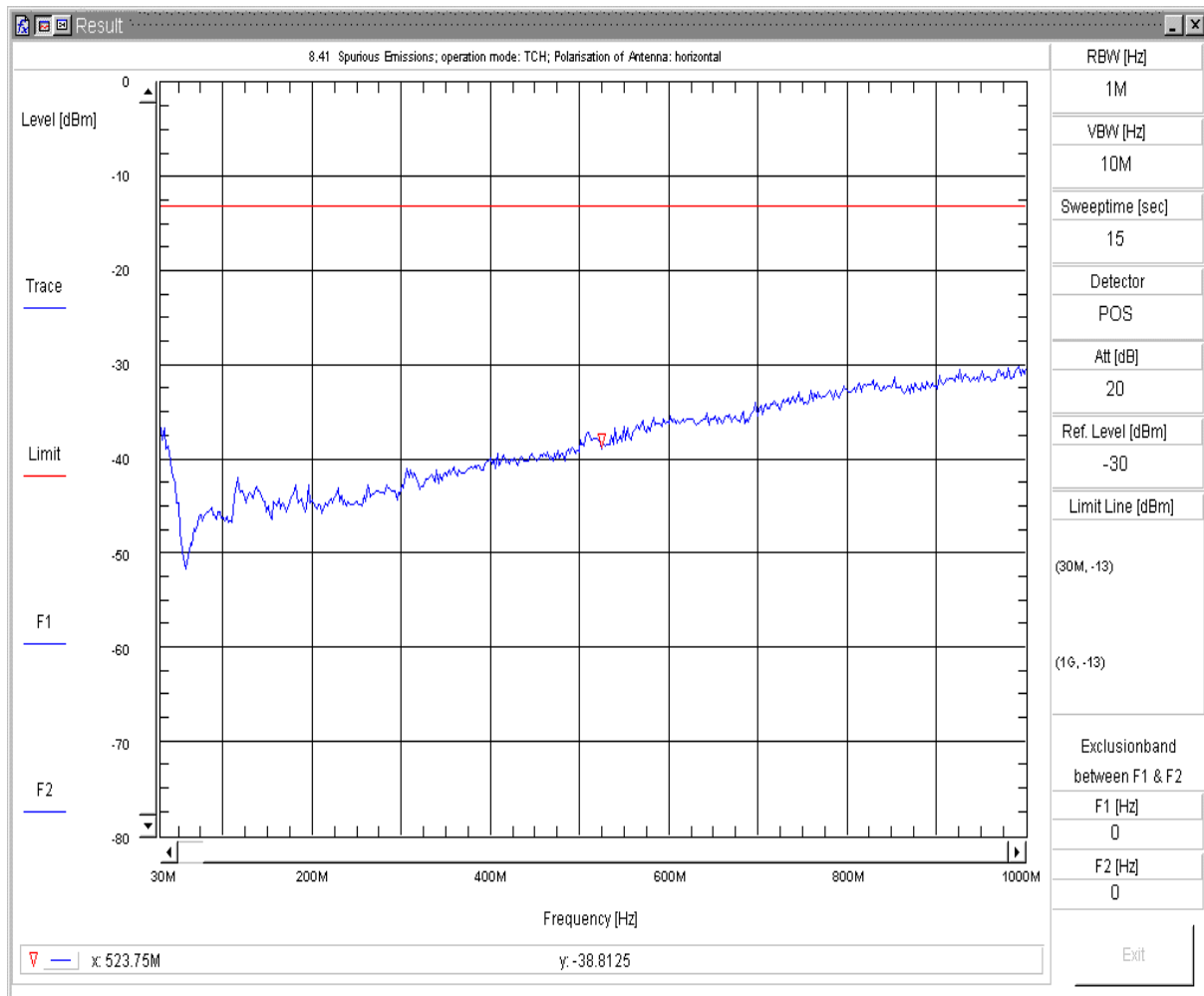


8.40 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 661
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 11:03:03fp

Spurious Emissions V7.2.5

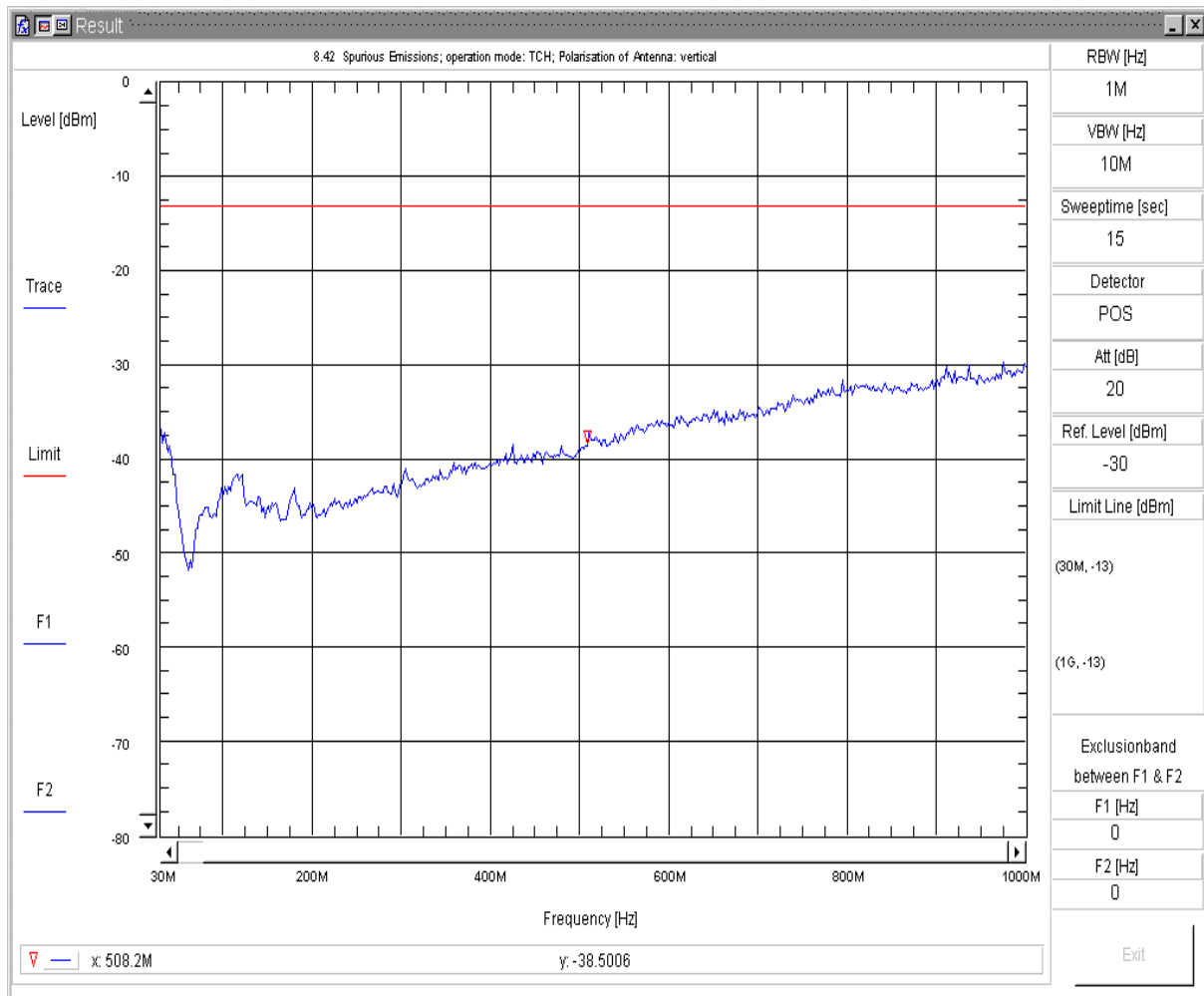


8.41 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 810
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 11:10:28pff

Spurious Emissions V7.2.5

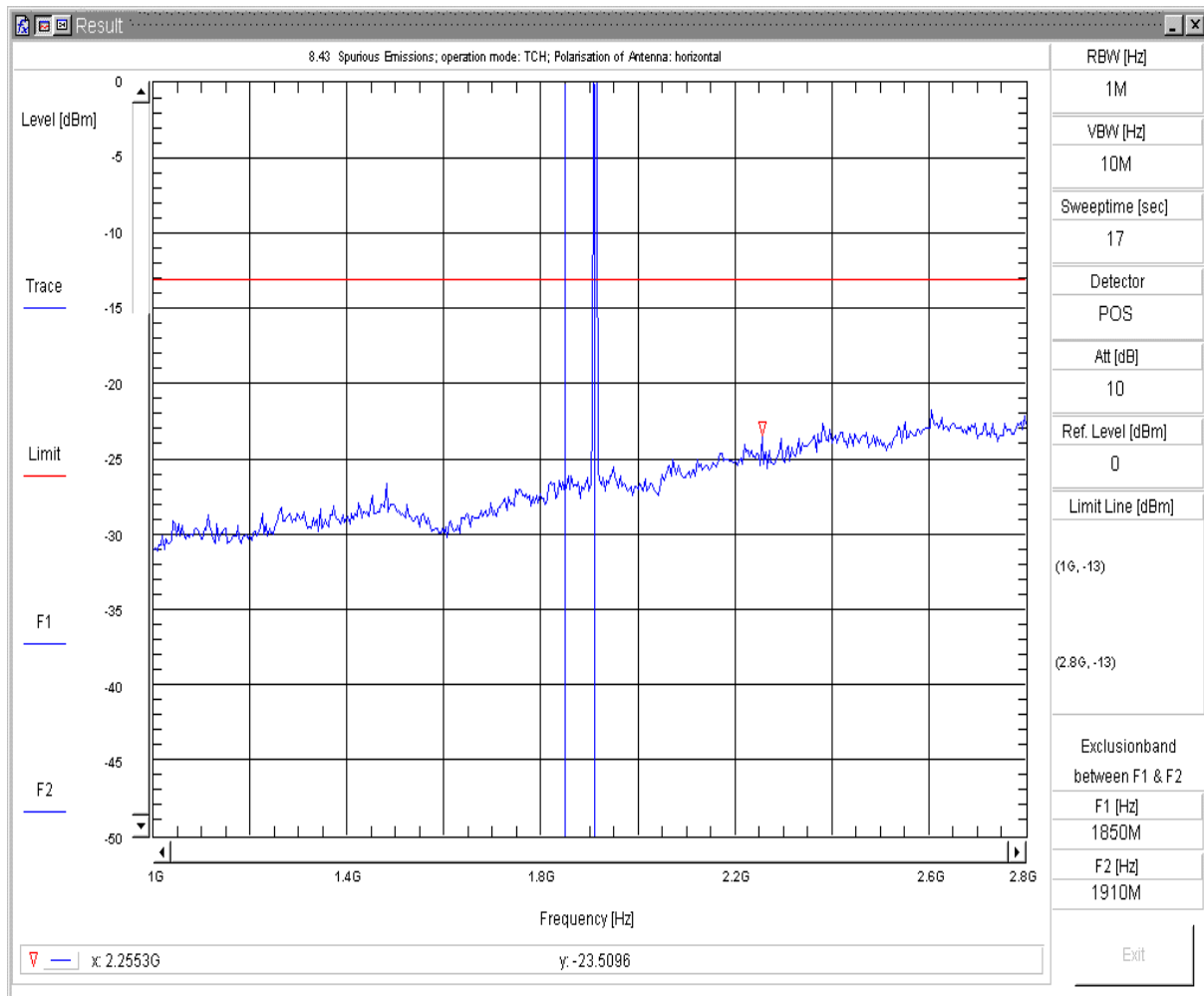


8.42 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 810
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 11:15:36pf

Spurious Emissions V7.2.5

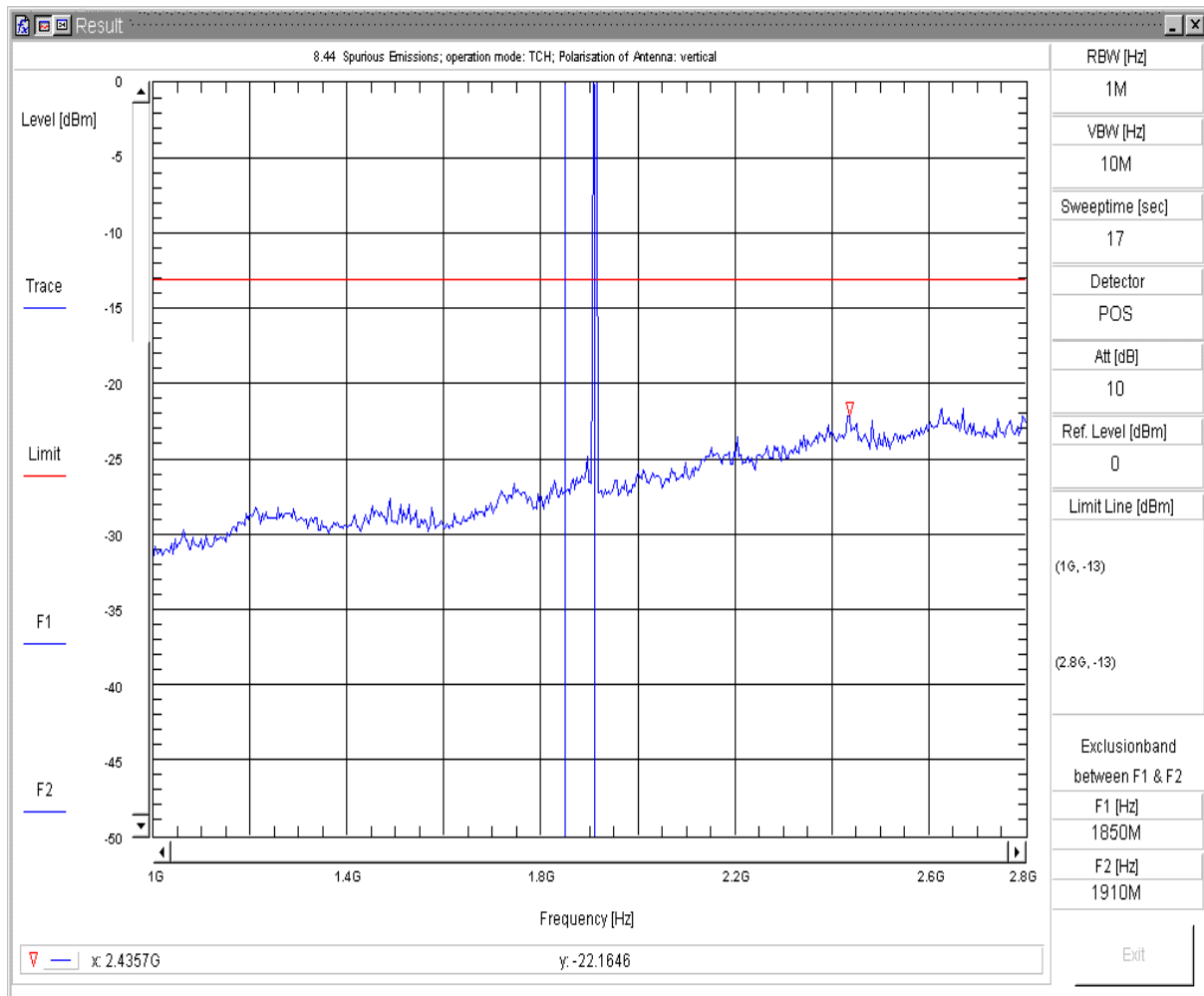


8.43 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 810
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 11:19:49pp

Spurious Emissions V7.2.5

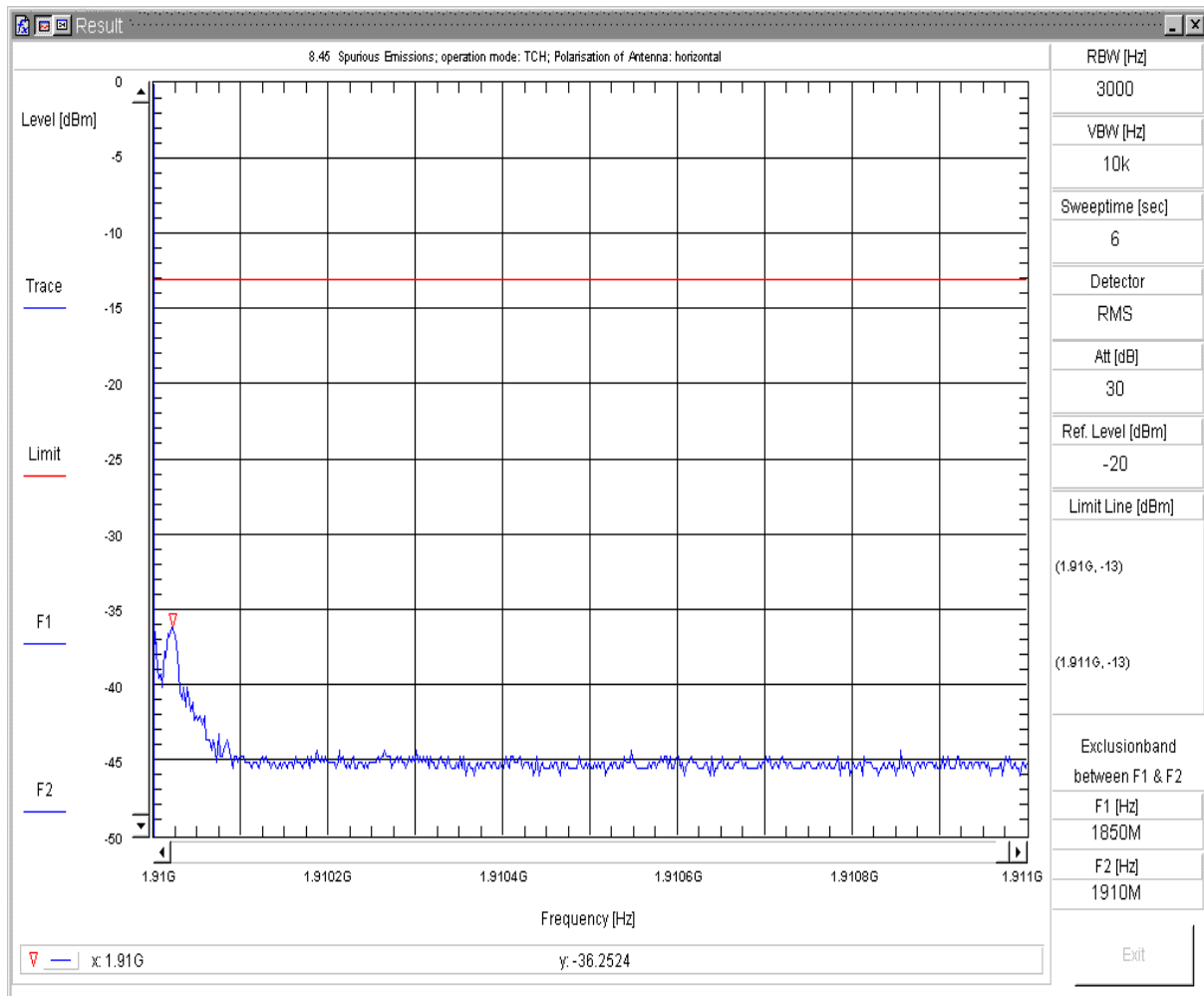


8.44 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 810
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 11:26:30ff

Spurious Emissions V7.2.5

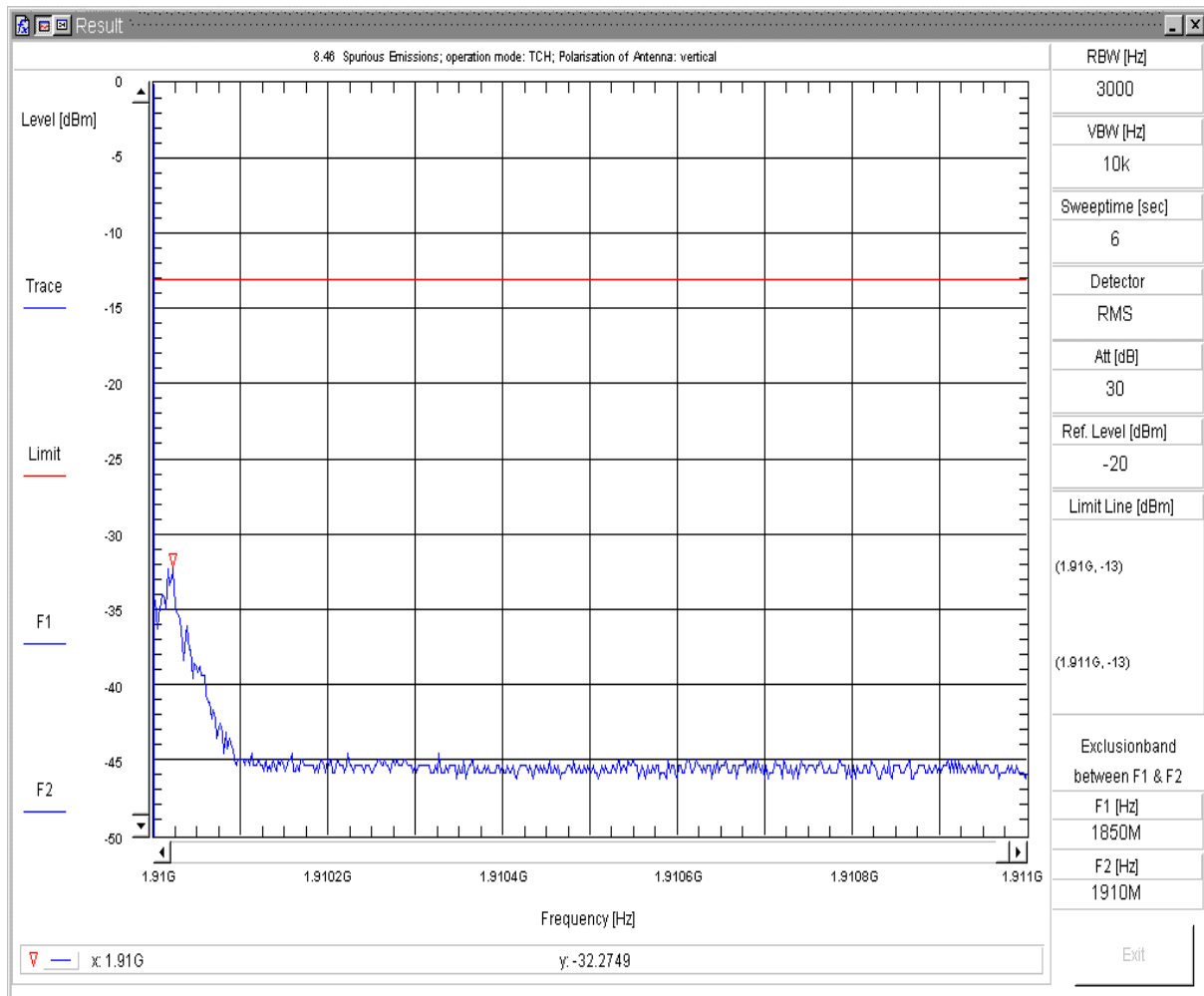


8.45 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 810
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 11:38:09pp

Spurious Emissions V7.2.5

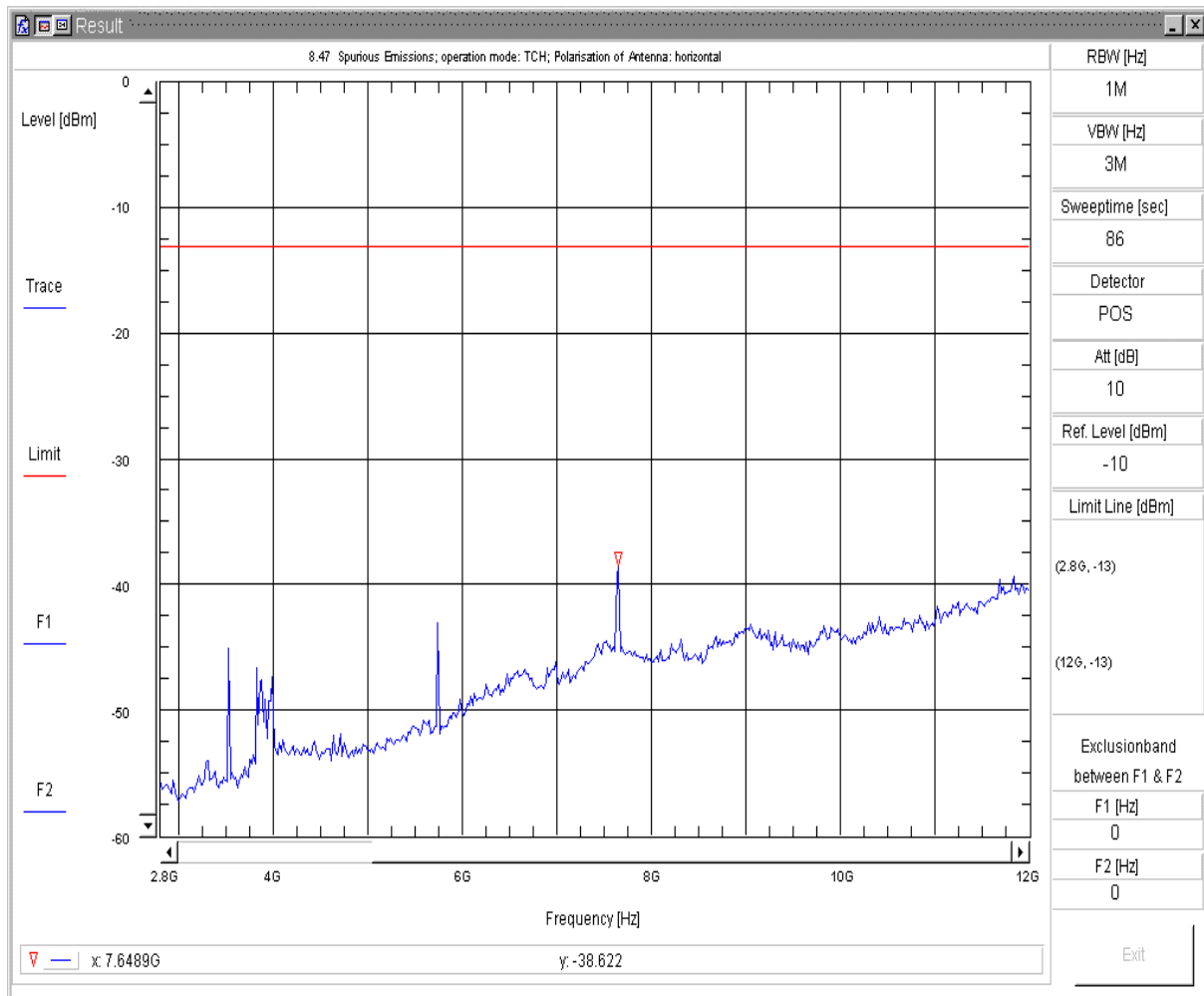


8.46 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH-ARFCN 810
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 11:43:15ff

Spurious Emissions V7.2.5

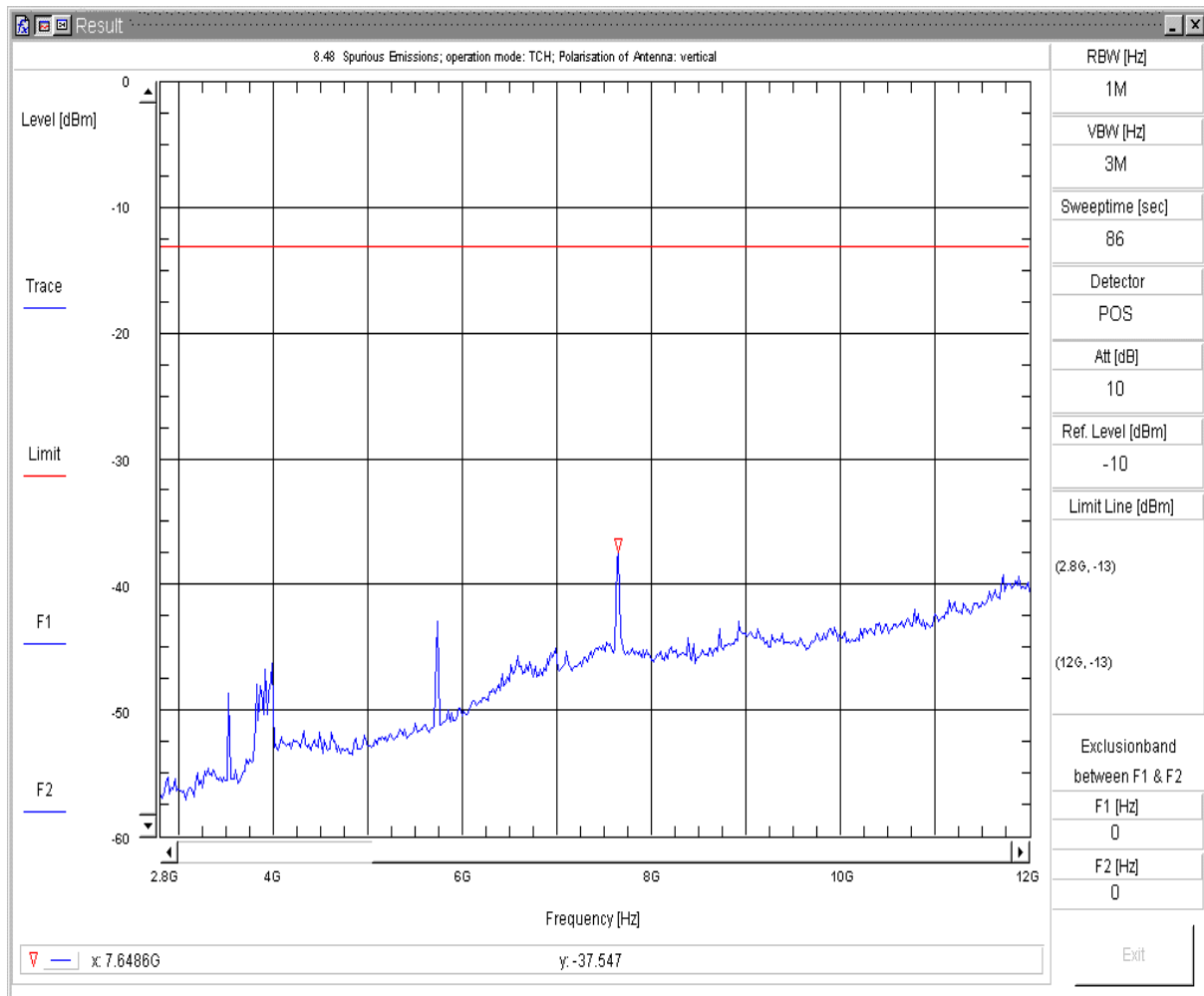


8.47 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH- ARFCN: 810
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 11:48:15fp

Spurious Emissions V7.2.5

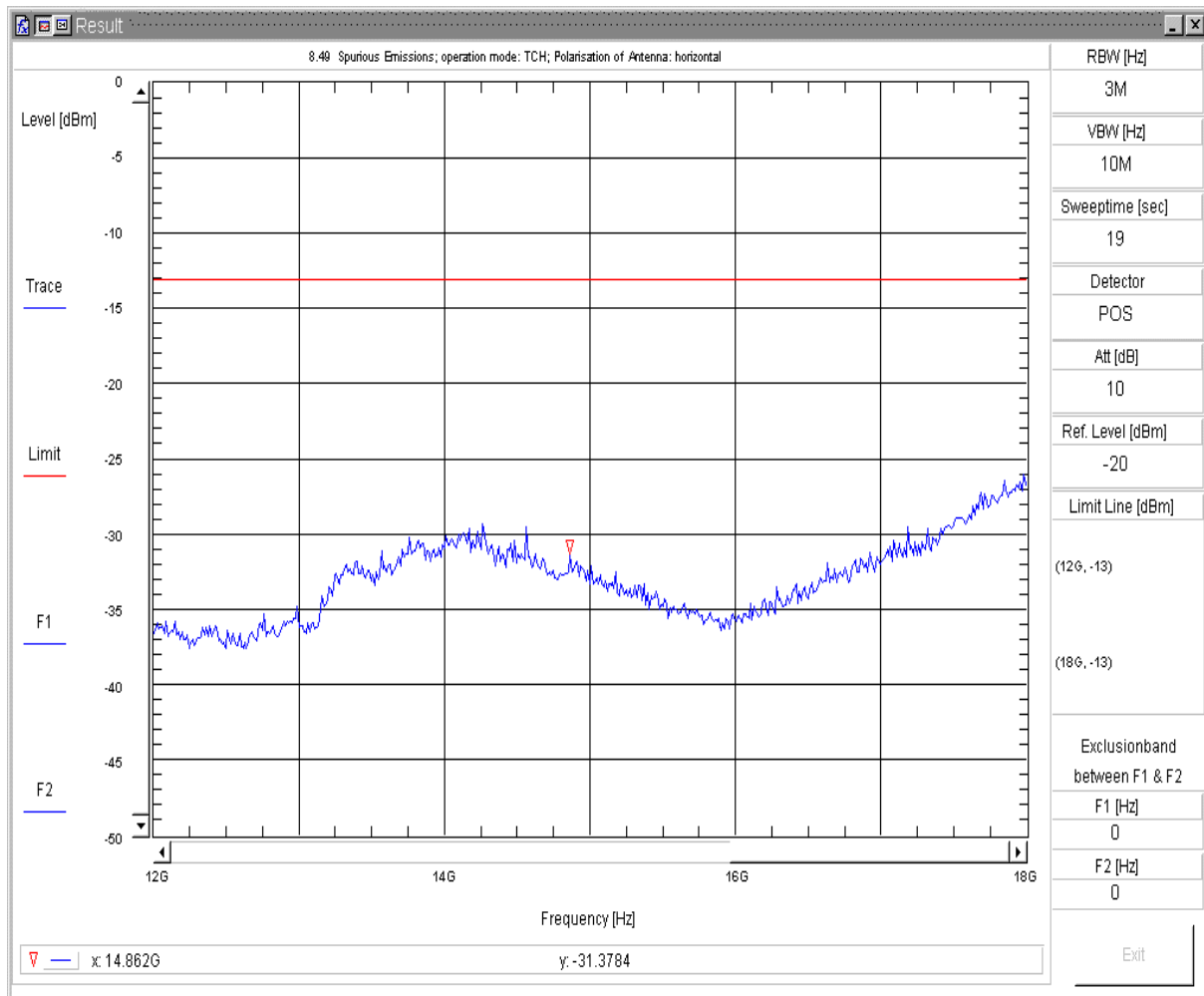


8.48 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH- ARFCN: 810
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 12:11:27fp

Spurious Emissions V7.2.5

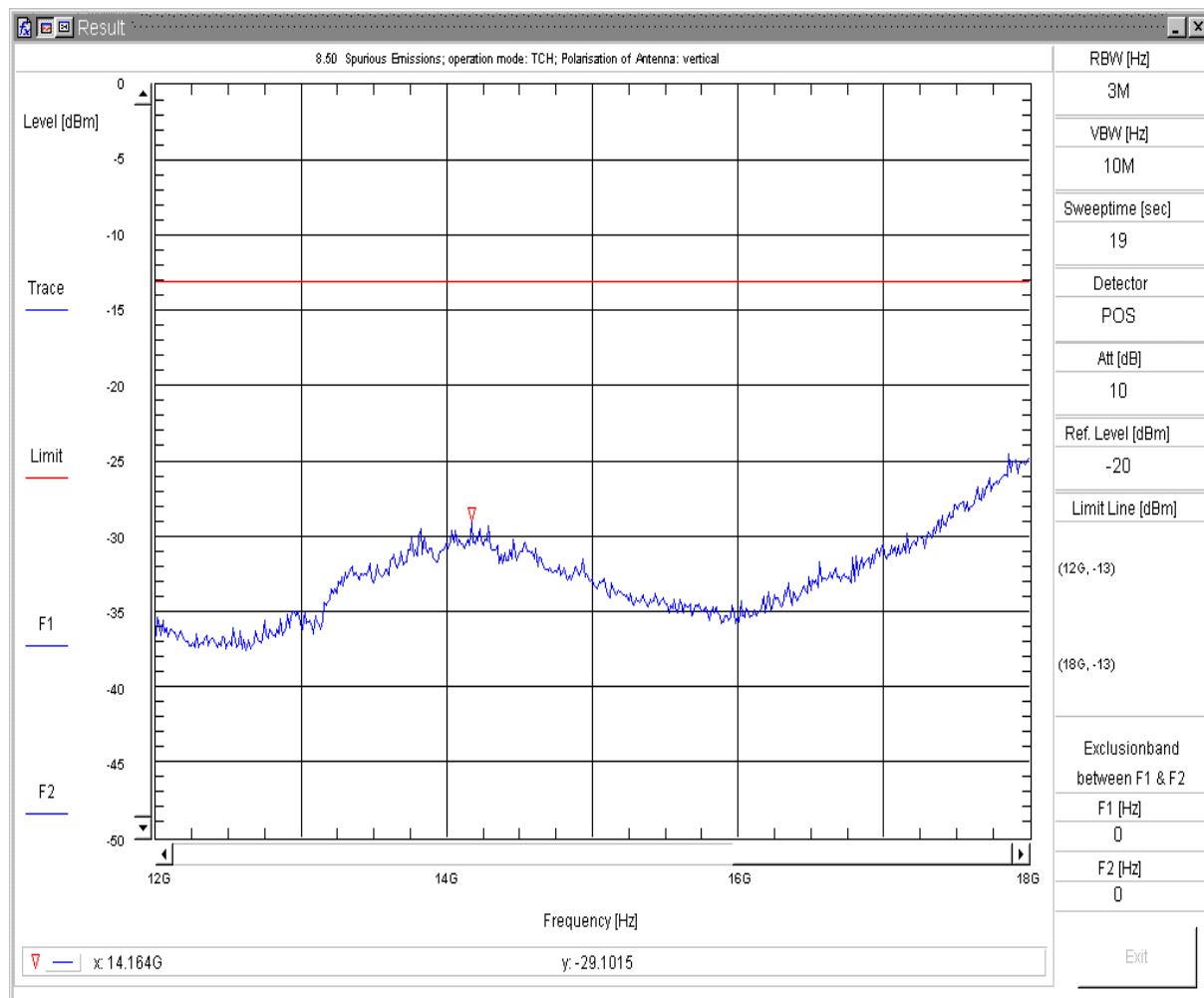


8.49 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: TCH- ARFCN: 810
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

Wed 05/May/2010 12:42:16fp

Spurious Emissions V7.2.5



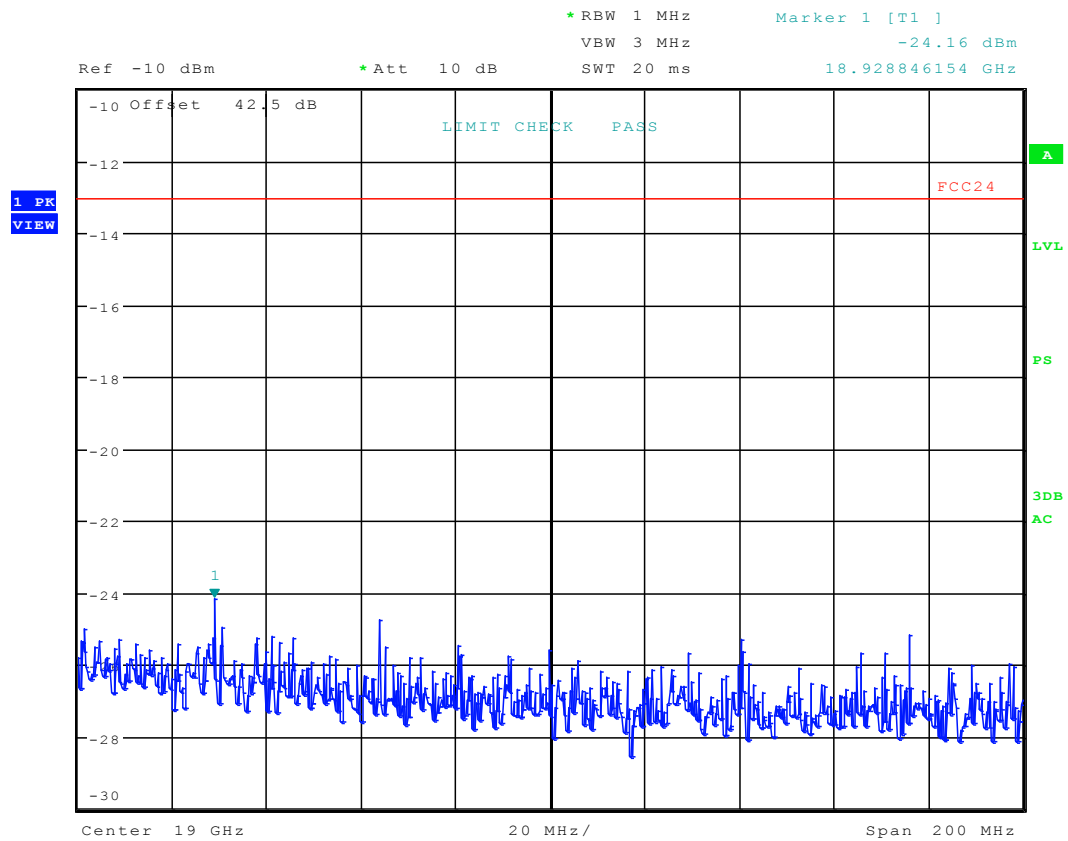
8.50 Radiated Spurious Emission

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: BG2-W (WMC0004AB0h)
 EUT add. Info: DSB75+HandsetVotronic+USB Line+RS232 Line
 EUT Hardware: B2.1
 EUT Software: 00.580
 EUT Config: C03
 EUT S/N: 004401080403377
 Battery: Power Supply (external); Maximum Voltage; 4.5 VDC
 Remark: channel 810
 Operator: Bir
 Testing Site: Fully Anechoic Room (FAR); CETECOM Essen

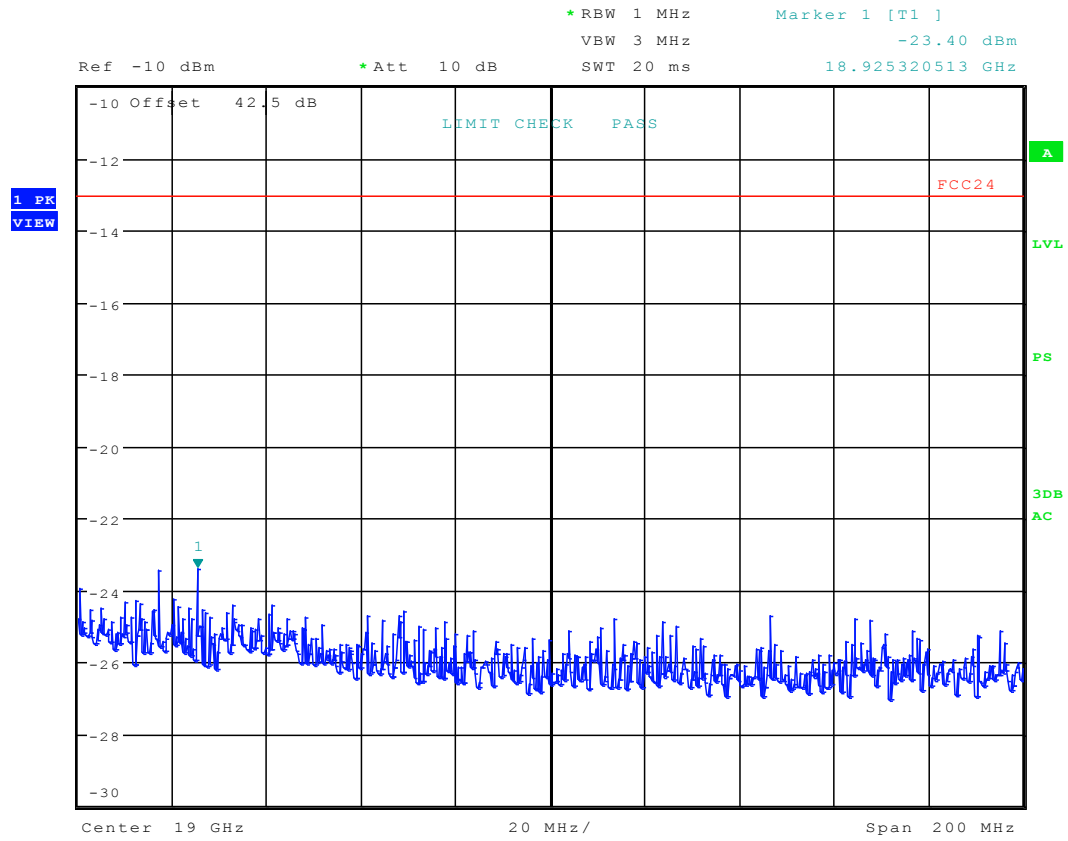
Wed 05/May/2010 12:49:28ff

Spurious Emissions V7.2.5

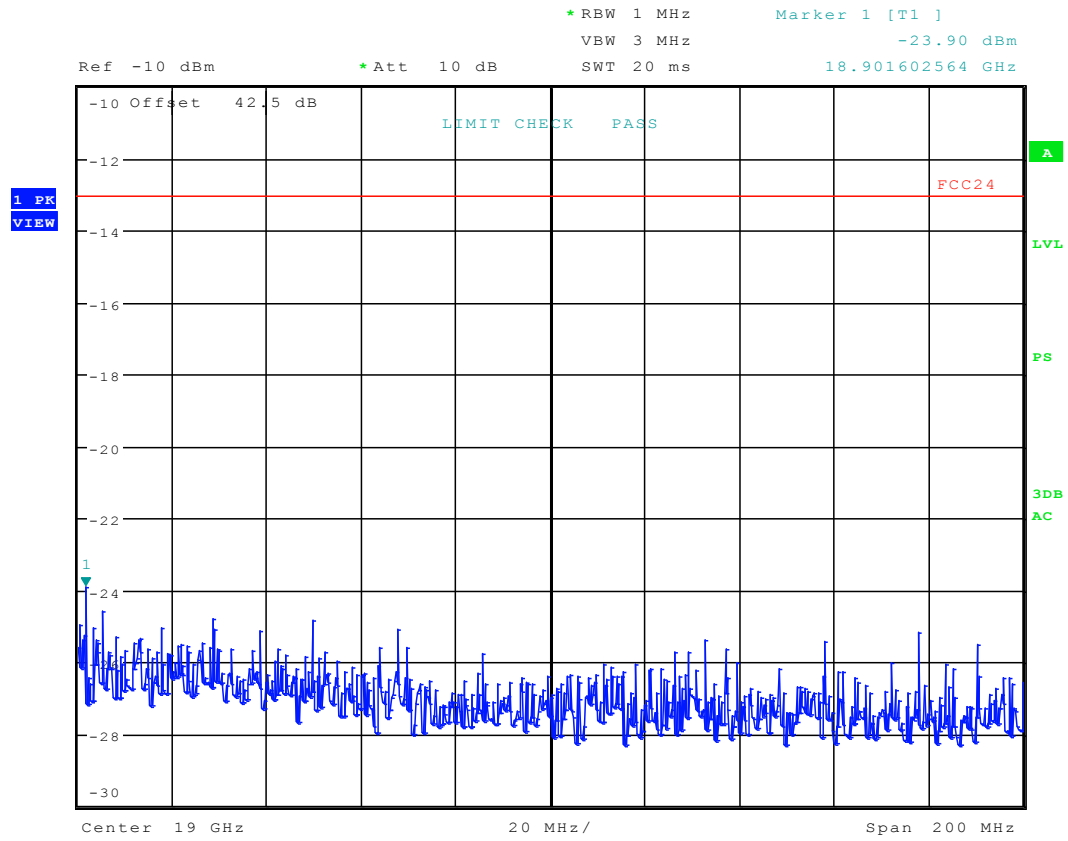
1.10. Radiated emissions in the frequency range above 18GHz – GSM1900 Mode



Date: 7.MAY.2010 11:15:08
Diagram 8.51 – Channel 512 (Overview measurement only)



Date: 7.MAY.2010 11:09:40
Diagram 8.52 – Channel 661 (Overview measurement only)



Date: 7.MAY.2010 11:16:21
Diagram 8.53 – Channel 810 (Overview measurement only)

1.11. Radiated magnetic field strength measurements (f<30MHz)

Diagram No. 3.01

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:	DPa
Operating conditions:	GSM 850 TCH
Comment 1:	Channel low 128
EUT:	BG2-W + DSB75 + HandsetVotronic + USB Line + RS232 Line

FCC15.209_magn hor+vert

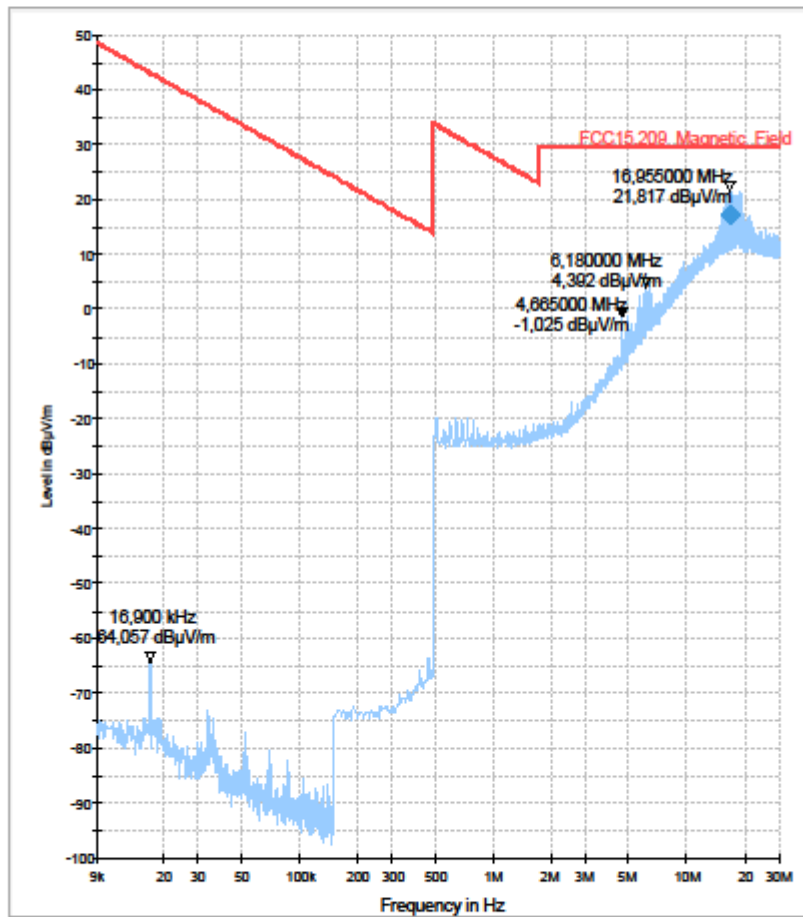


Diagram No. 3.02

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:	DPa
Operating conditions:	GSM 850 TCH
Comment 1:	Channel middle 192
EUT:	BG2-W + DSB75 + HandsetVotronic + USB Line + RS232 Line

FCC 15.209_magn hor+vert

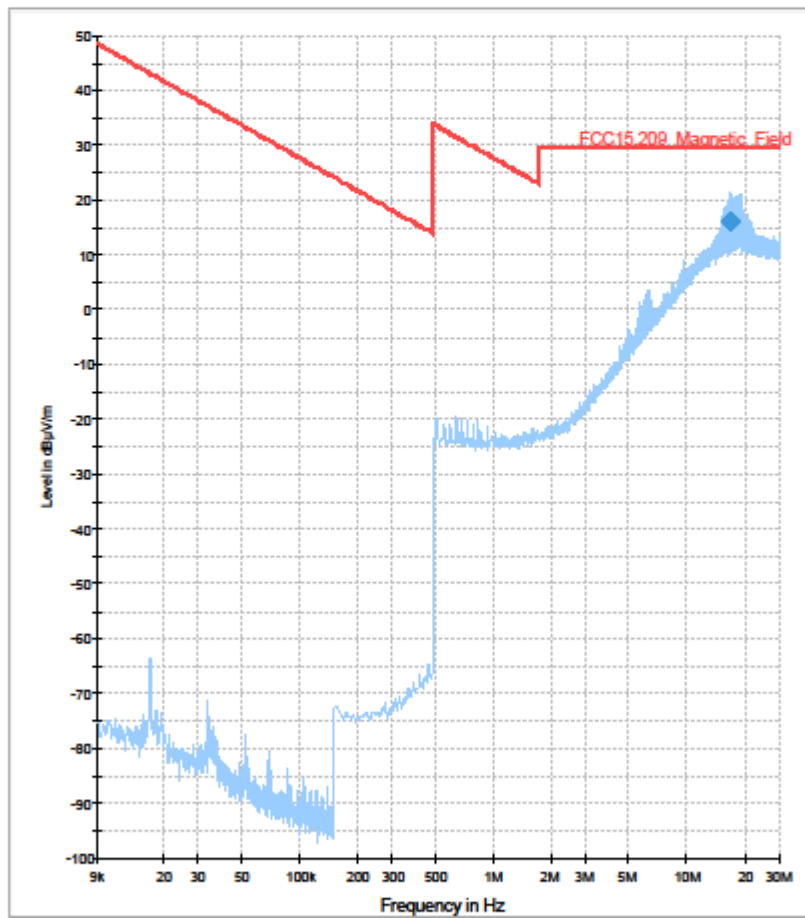


Diagram No. 3.03

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:	DPa
Operating conditions:	GSM 850 TCH
Comment 1:	Channel high 251
EUT:	BG2-W + DSB75 + HandsetVotronic + USB Line + RS232 Line

FCC15.209_magn hor+vert

