

Annex 1: Measurement diagrams to  
**TEST REPORT**  
No.: 16-1-0001901T65

According to:  
**FCC Regulations**  
Part 22, Part 24






**IC-Regulations**  
RSS-132 Issue 3, RSS-133 Issue 6,  
RSS-Gen Issue 4

for

peiker acoustic GmbH

Telematic Device  
ATM-02-US-T1

FCC: QWY-ATM2-T-11  
ISED: 6588A-ATM2T11  
PMN: ATM 02 Trunk version  
HVIN: ATM-02-US-T1

Laboratory Accreditation and Listings			
 Deutsche Akkreditierungsstelle D-PL-12047-01-01	 FEDERAL COMMUNICATIONS COMMISSION USA MRA US-EU 0003	 Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	 Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301
 <b>WiFi</b> ALLIANCE	<b>ctia</b> Authorized <sup>TM</sup> Test Lab Lab Code: 20011130-00		
accredited according to DIN EN ISO/IEC 17025			
<b>CETECOM GmbH</b> 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.com • Internet: www.cetecom.com			

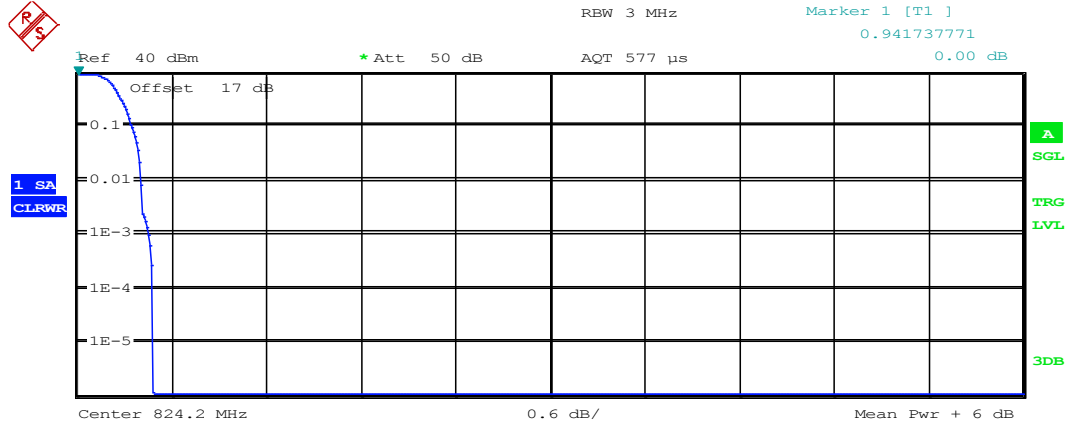
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# 1. Measurement diagrams

## 1.1. Power Measurements and PAPR-Value

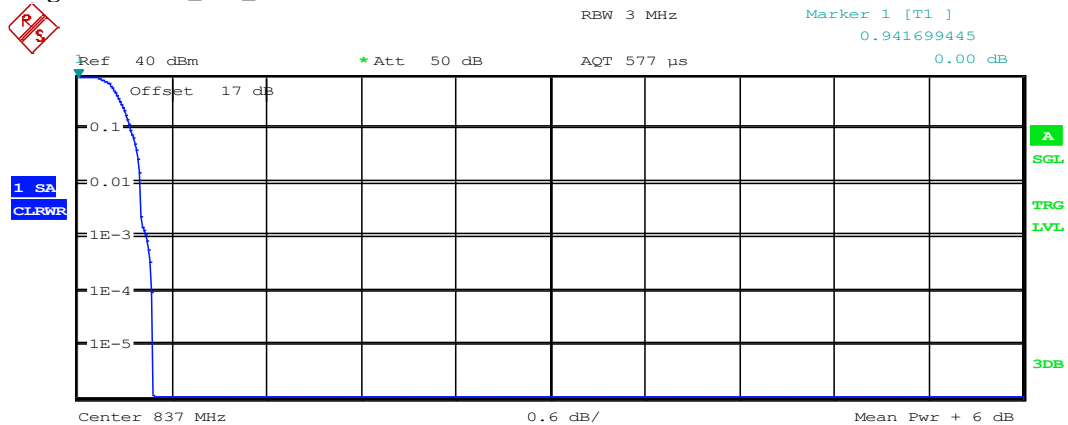
### 1.1.1. GSM 850 (GMSK Modulation)



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	31.35 dBm
Peak	31.83 dBm
Crest	0.48 dB
10 %	0.34 dB
1 %	0.40 dB
.1 %	0.45 dB
.01 %	0.48 dB

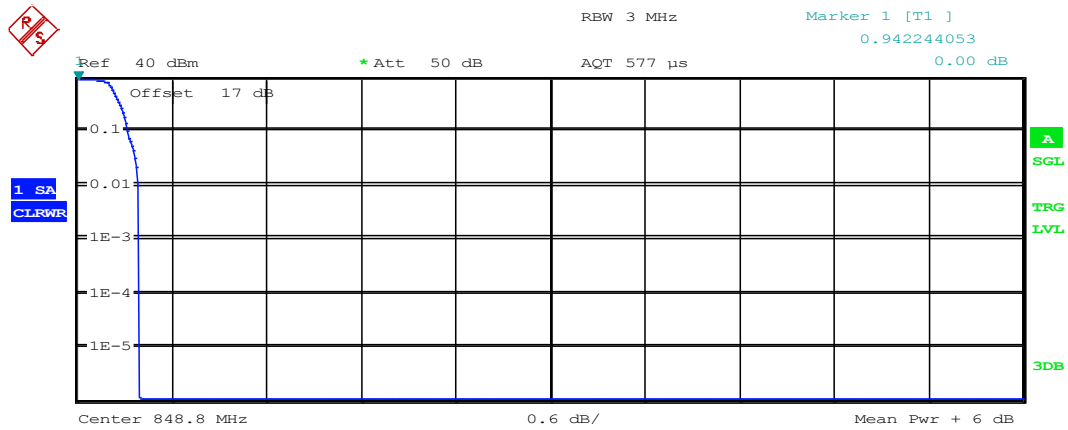
### Diagram CCDF\_128\_GMSK



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	31.50 dBm
Peak	31.97 dBm
Crest	0.47 dB
10 %	0.34 dB
1 %	0.39 dB
.1 %	0.43 dB
.01 %	0.47 dB

### Diagram CCDF\_192\_GMSK

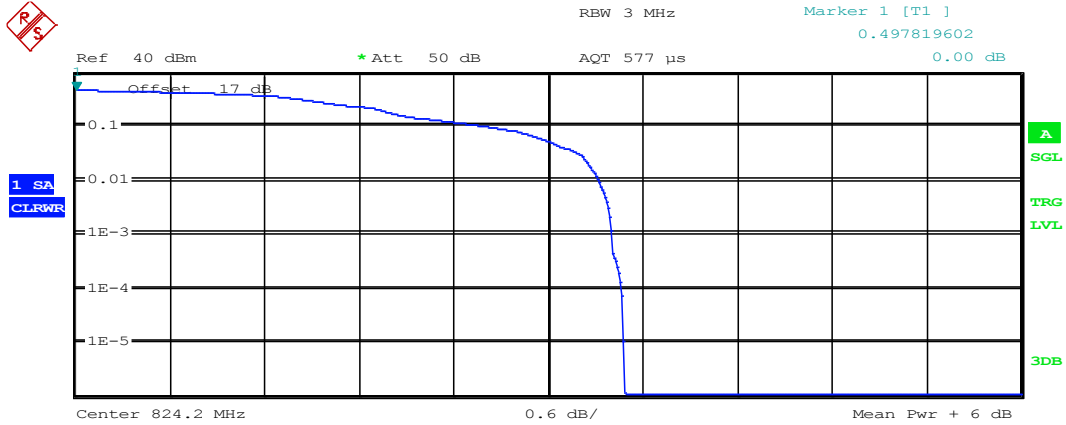


Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	31.72 dBm
Peak	32.11 dBm
Crest	0.39 dB
10 %	0.32 dB
1 %	0.38 dB
.1 %	0.39 dB
.01 %	0.39 dB

**Diagram CCDF\_251\_GMSK**

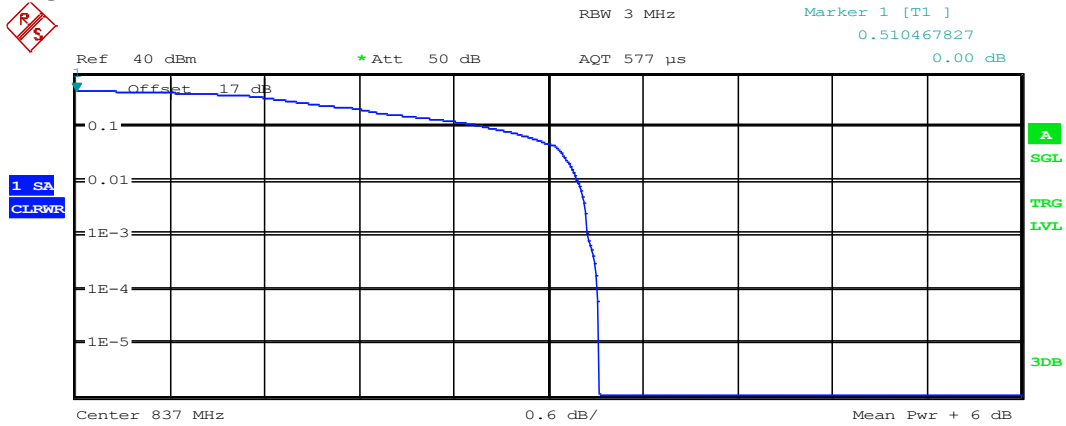
**1.1.2. GSM 850 (8-PSK Modulation)**



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	24.54 dBm
Peak	28.02 dBm
Crest	3.48 dB
10 %	2.63 dB
1 %	3.32 dB
.1 %	3.40 dB
.01 %	3.46 dB

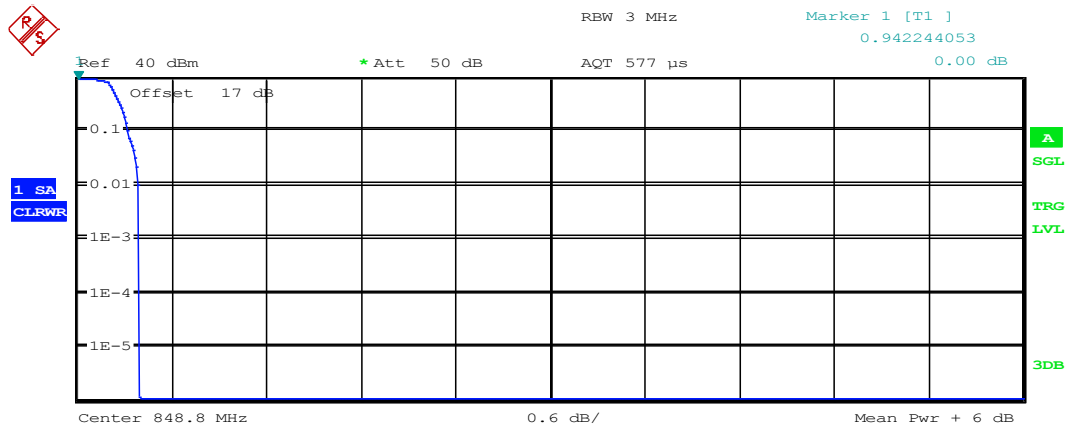
**Diagram CCDF\_128\_8PSK**



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	24.70 dBm
Peak	28.02 dBm
Crest	3.32 dB
10 %	2.63 dB
1 %	3.18 dB
.1 %	3.25 dB
.01 %	3.32 dB

**Diagram CCDF\_192\_8PSK**

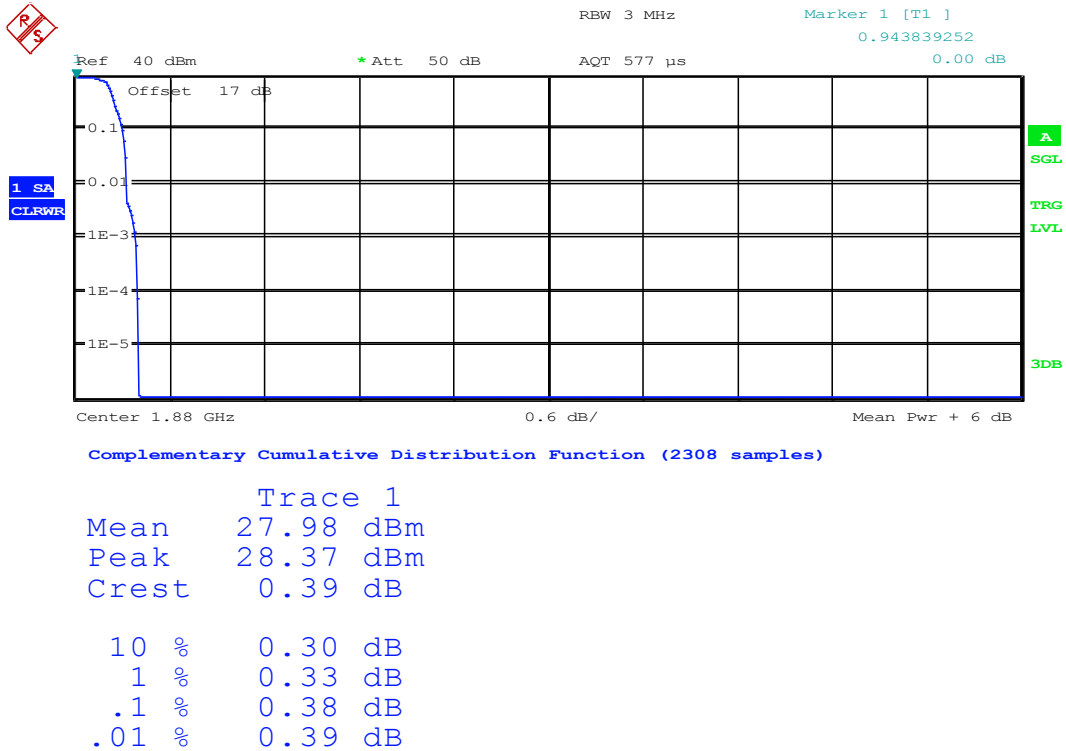


Complementary Cumulative Distribution Function (2308 samples)

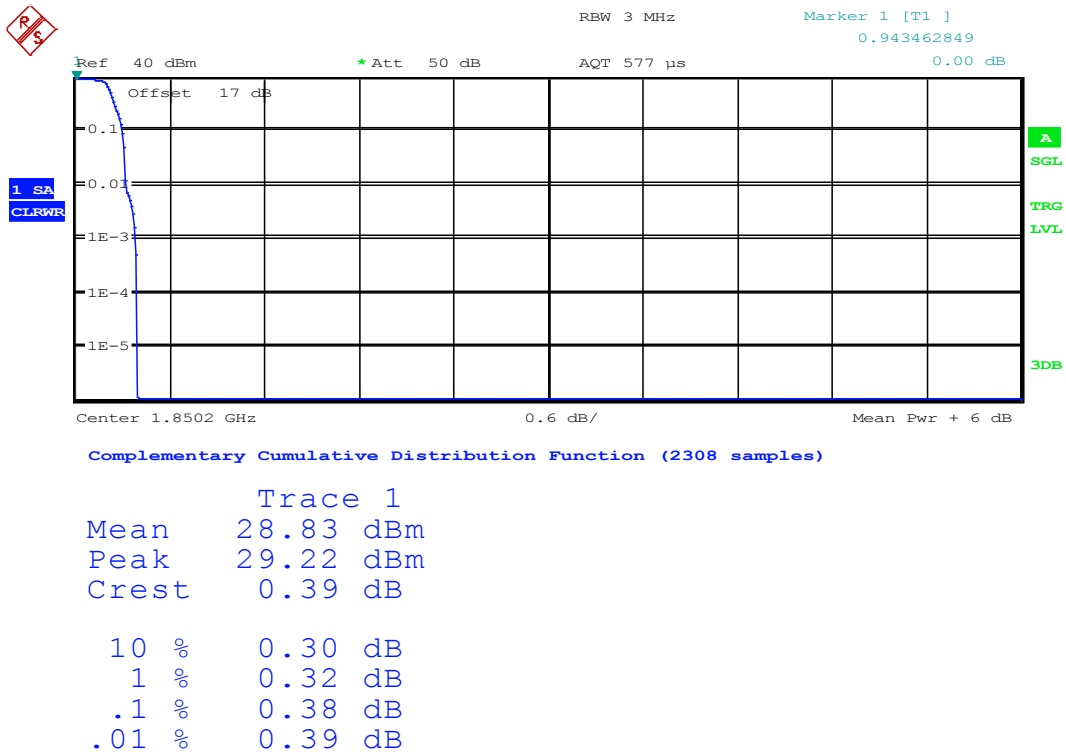
Trace 1	
Mean	31.72 dBm
Peak	32.11 dBm
Crest	0.39 dB
10 %	0.32 dB
1 %	0.38 dB
.1 %	0.39 dB
.01 %	0.39 dB

**Diagram CCDF\_251\_8PSK**

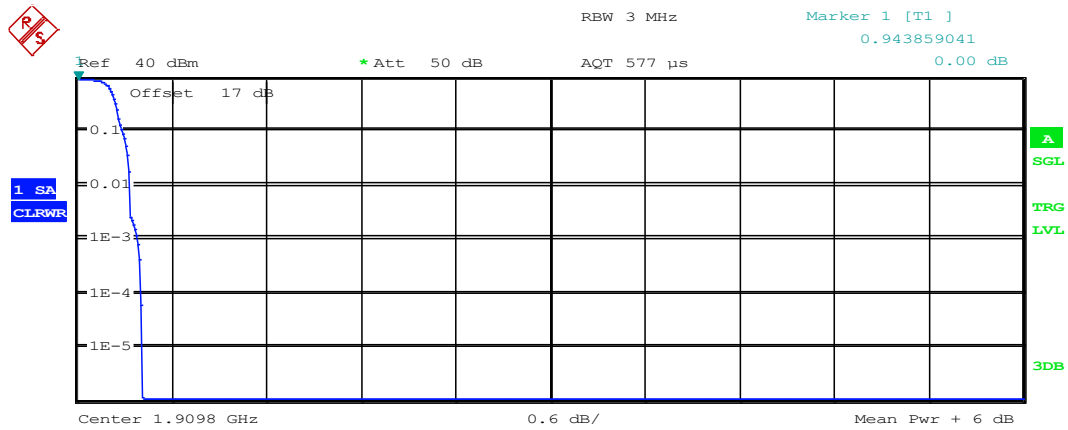
**1.1.3. GSM 1900 (GMSK Modulation)**



**Diagram CCDF\_512\_GMSK**



**Diagram CCDF\_661\_GMSK**



Complementary Cumulative Distribution Function (2308 samples)

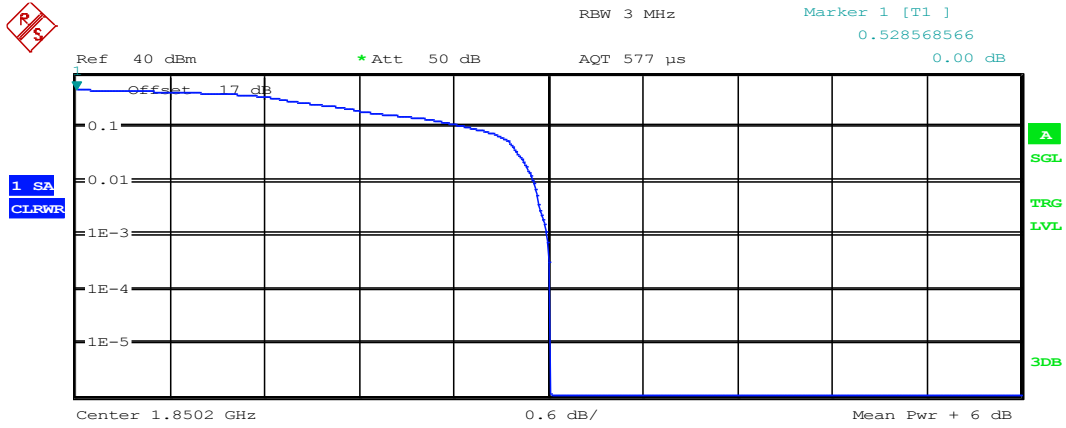
Trace 1	
Mean	28.39 dBm
Peak	28.80 dBm
Crest	0.40 dB
10 %	0.28 dB
1 %	0.33 dB
.1 %	0.38 dB
.01 %	0.40 dB

Date: 23.FEB.2018 13:52:29

## Diagram CCDF\_810\_GMSK



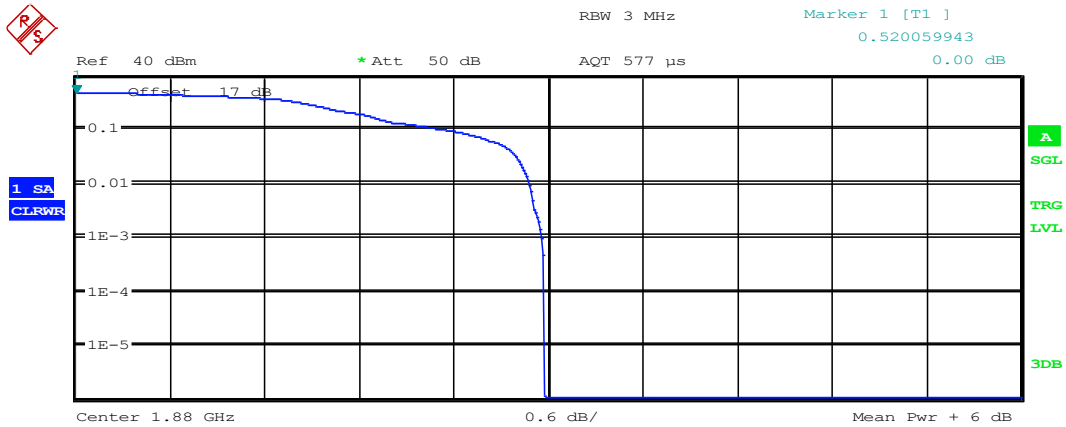
### 1.1.4. GSM 1900 (8-PSK Modulation)



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	25.22 dBm
Peak	28.23 dBm
Crest	3.01 dB
10 %	2.51 dB
1 %	2.90 dB
.1 %	2.99 dB
.01 %	3.02 dB

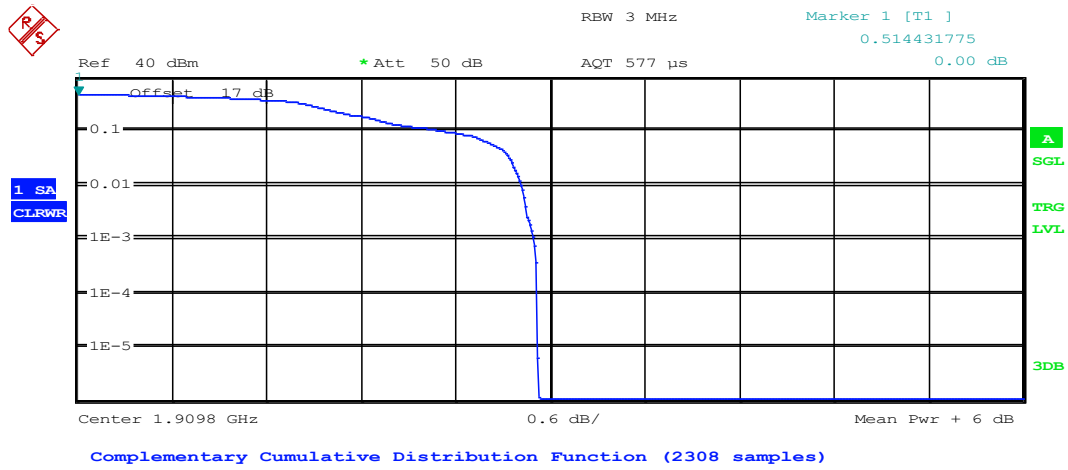
Diagram CCDF\_512\_8PSK



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	24.48 dBm
Peak	27.46 dBm
Crest	2.98 dB
10 %	2.37 dB
1 %	2.88 dB
.1 %	2.96 dB
.01 %	2.98 dB

Diagram CCDF\_661\_8PSK



Trace 1	
Mean	24.96 dBm
Peak	27.88 dBm
Crest	2.92 dB
10 %	2.36 dB
1 %	2.82 dB
.1 %	2.89 dB
.01 %	2.92 dB

Diagram CCDF\_810\_8PSK

## 1.2. Magnetic field emissions radiated (850 MHz transmitting mode) 2.01a\_RSE\_GPRS850\_251\_standing

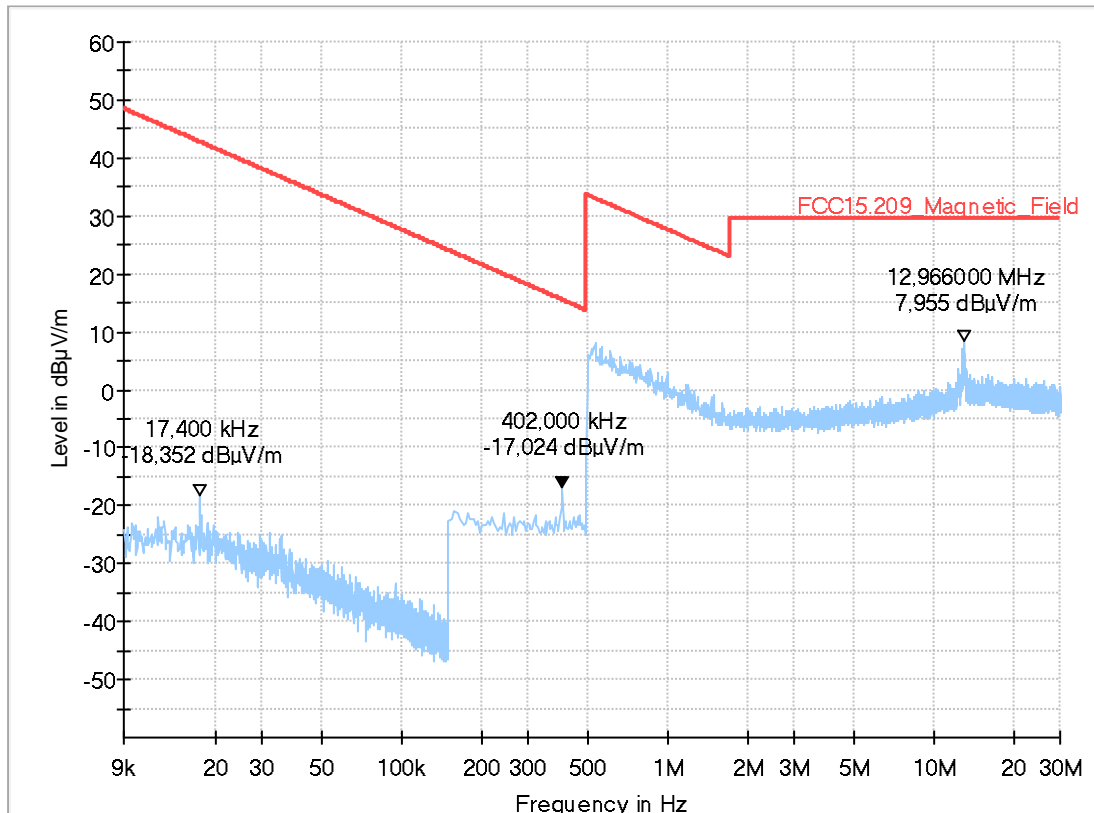
### Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RI
Operating conditions:	Ch.251
Power during tests:	12V DC
Comment 1:	

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 2.01b\_RSE\_GPRS850\_251\_laying

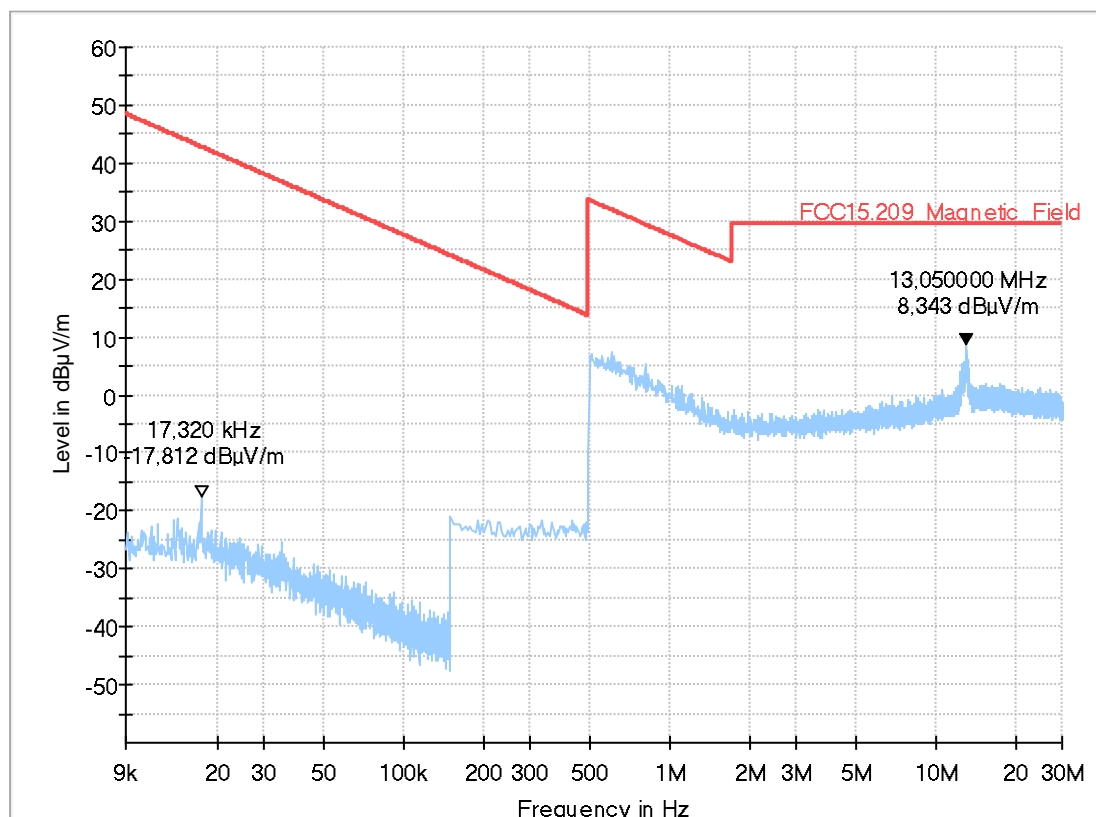
### Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RI
Operating conditions:	Ch.251
Power during tests:	12V DC
Comment 1:	

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



### 1.3. Magnetic field emissions radiated (1900 MHz transmitting mode) 2.02a\_RSE\_GPRS1900\_512\_standing

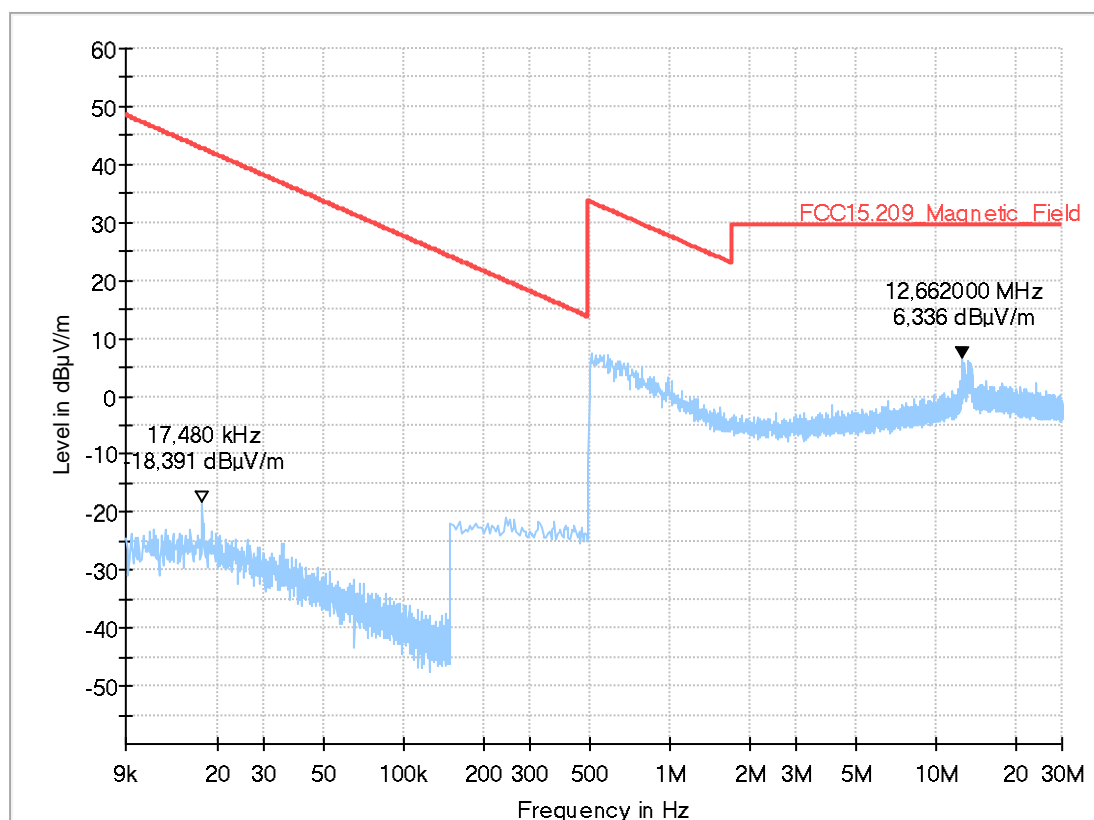
#### Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	Ch.512
Power during tests:	12V DC
Comment 1:	

#### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum





## 2.02a\_RSE\_GPRS1900\_512\_laying

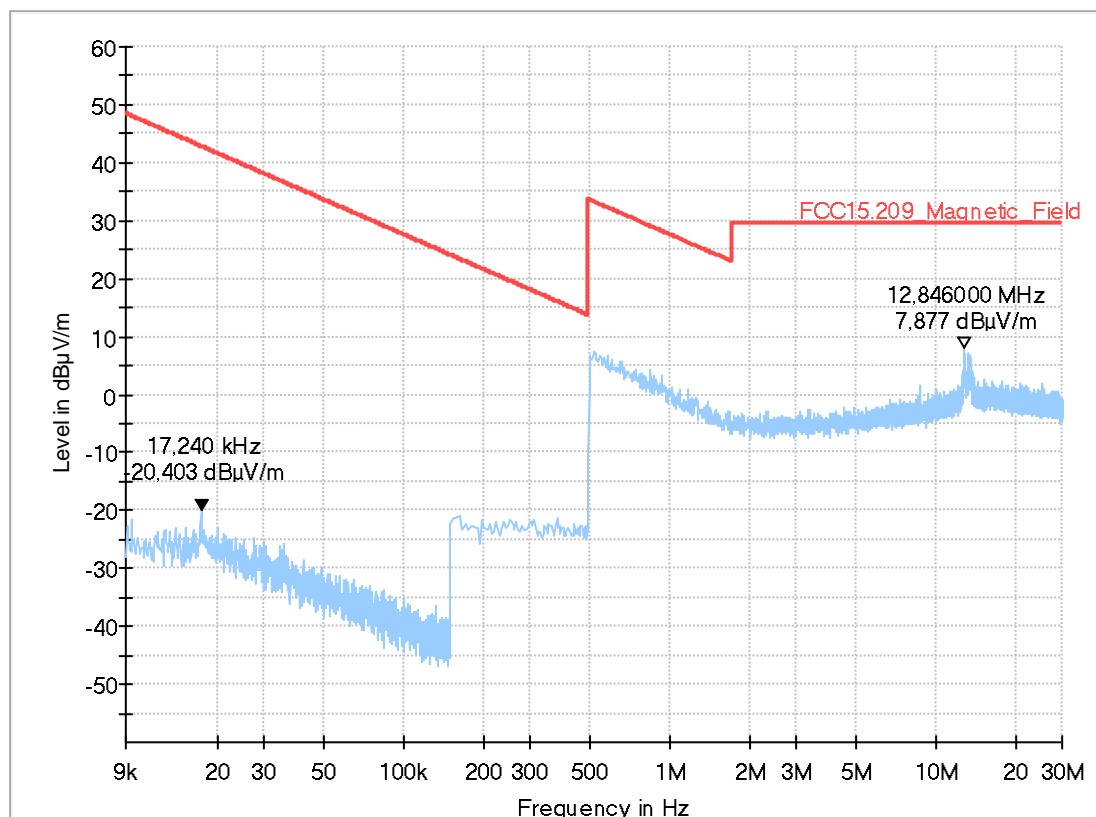
### Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	Ch.512
Power during tests:	12V DC
Comment 1:	

### EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 1.4. Spurious emissions radiated (850 MHz transmitting mode) 8.01a\_RSE\_GPRS850\_251\_standing

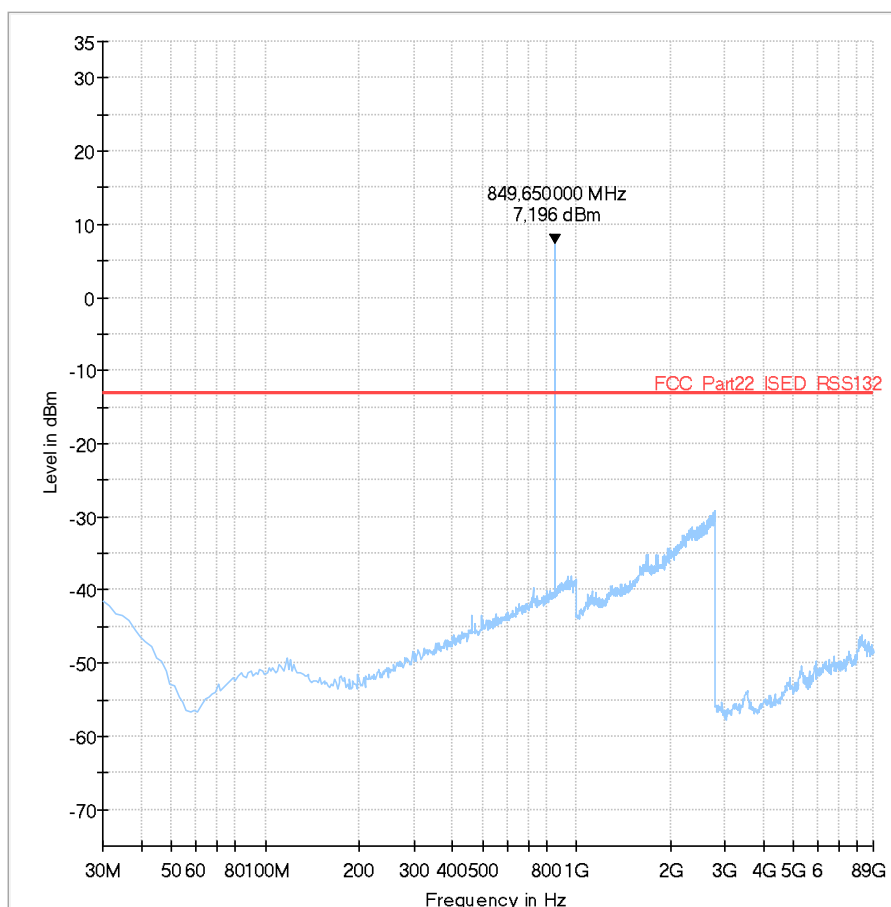
### Common Information

Test Description:	Radiated Spurious Emissions GSM850
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 8500, CHANNEL 251
Operator Name:	RIs
Comment:	EUT- standing

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum





### 8.01b\_RSE\_GPRS850\_251\_laying

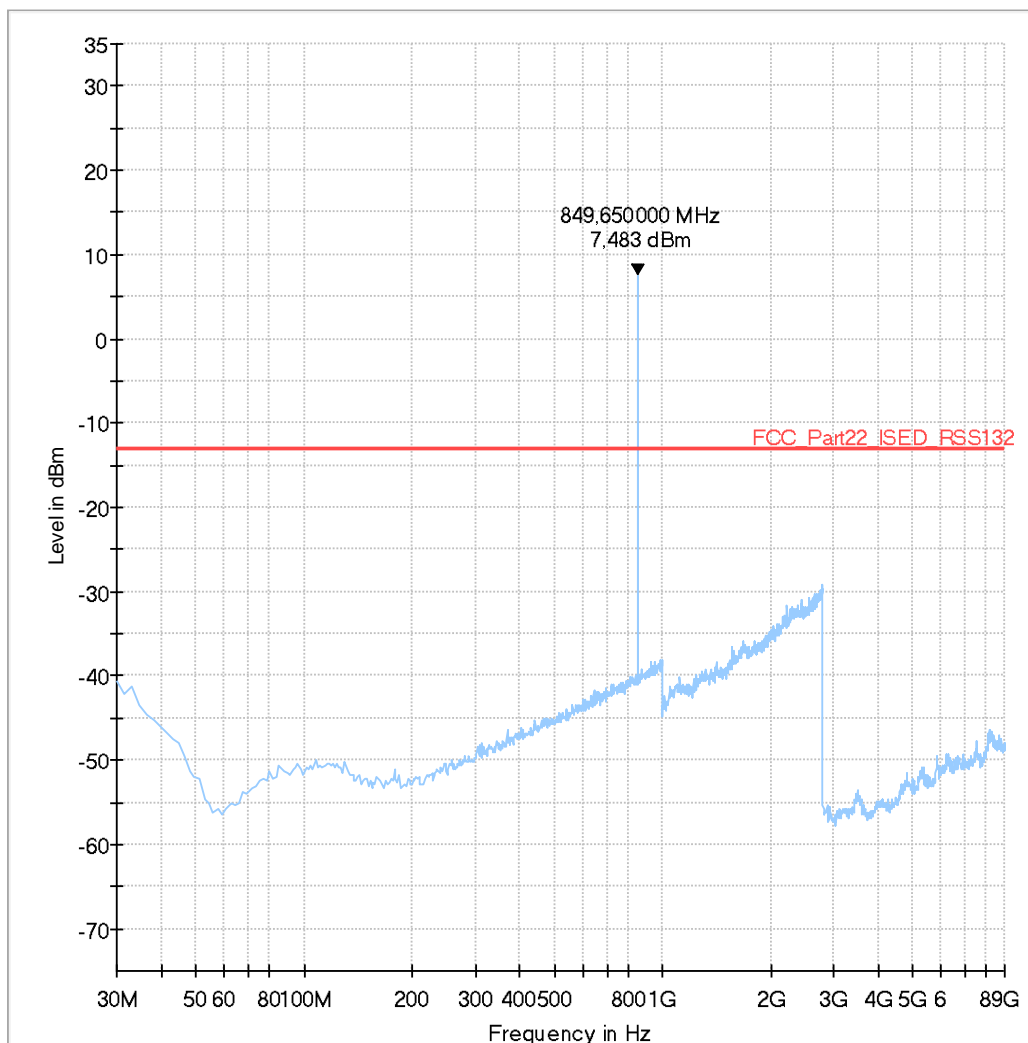
#### Common Information

Test Description:	Radiated Spurious Emissions GSM850
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 8500, CHANNEL 251
Operator Name:	RIs
Comment:	EUT-laying

#### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



### 1.4.1. Spurious emissions radiated (850 MHz transmitting mode)-Backup-Antenna 8.03a\_RSE\_GPRS850\_128\_standing

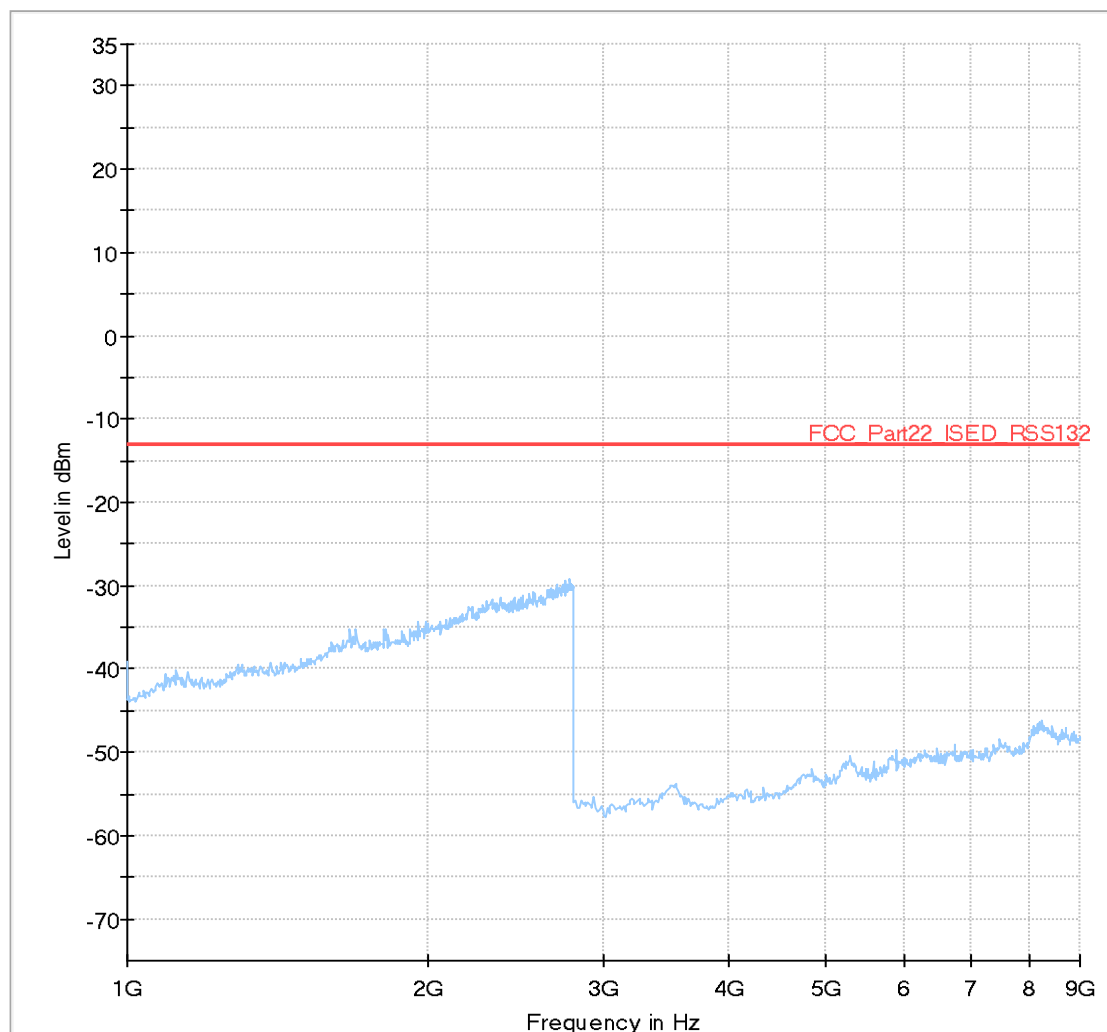
#### Common Information

Test Description:	Radiated Spurious Emissions GSM850
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 8500, CHANNEL 128
Operator Name:	RIs
Comment:	EUT- standing

#### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 8.03b\_RSE\_GPRS850\_128\_laying

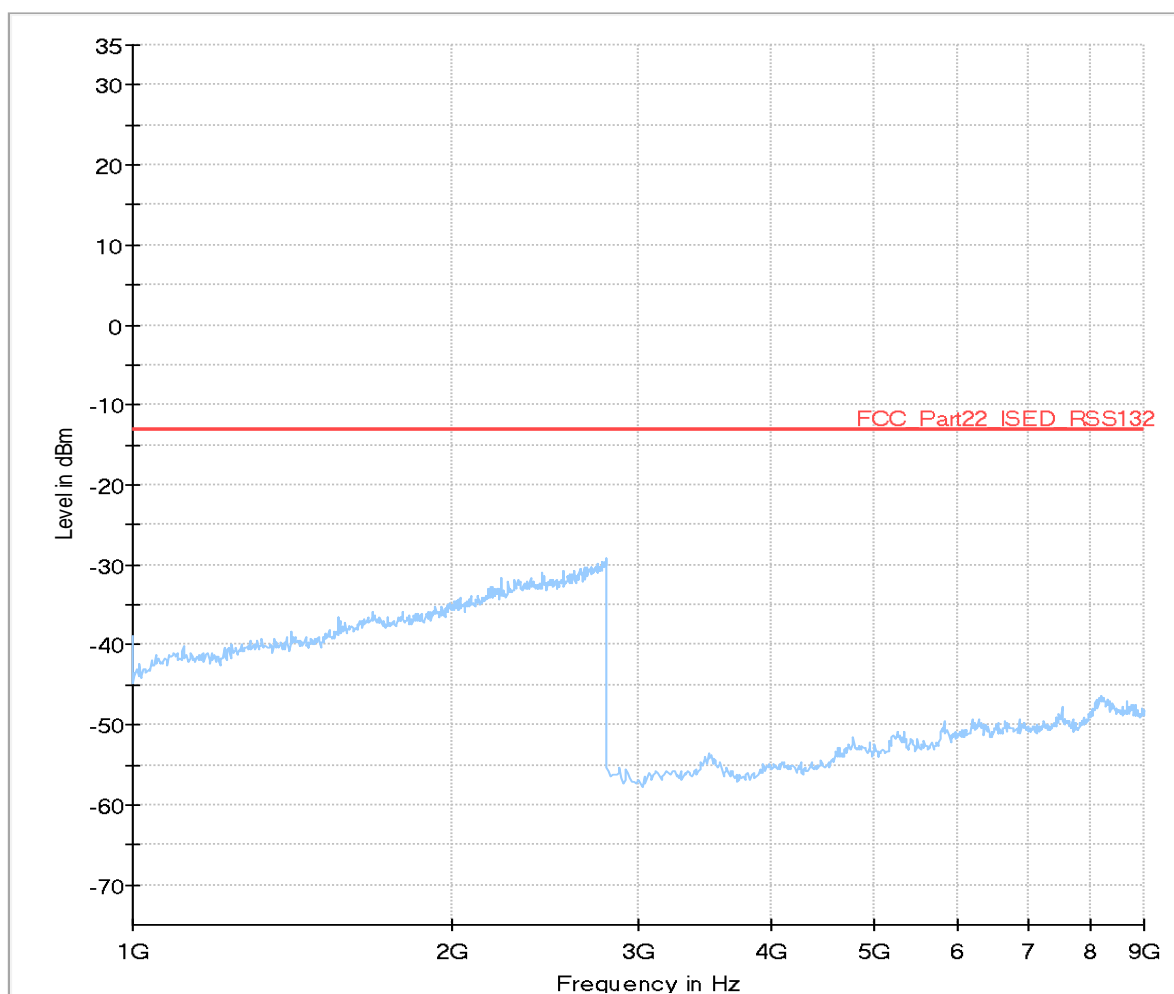
### Common Information

Test Description:	Radiated Spurious Emissions GSM850
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 8500, CHANNEL 128
Operator Name:	RIs
Comment:	EUT-laying

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 1.5. Spurious emissions radiated (1900 MHz transmitting mode)

### 8.02a\_RSE\_GPRS1900\_512\_laying

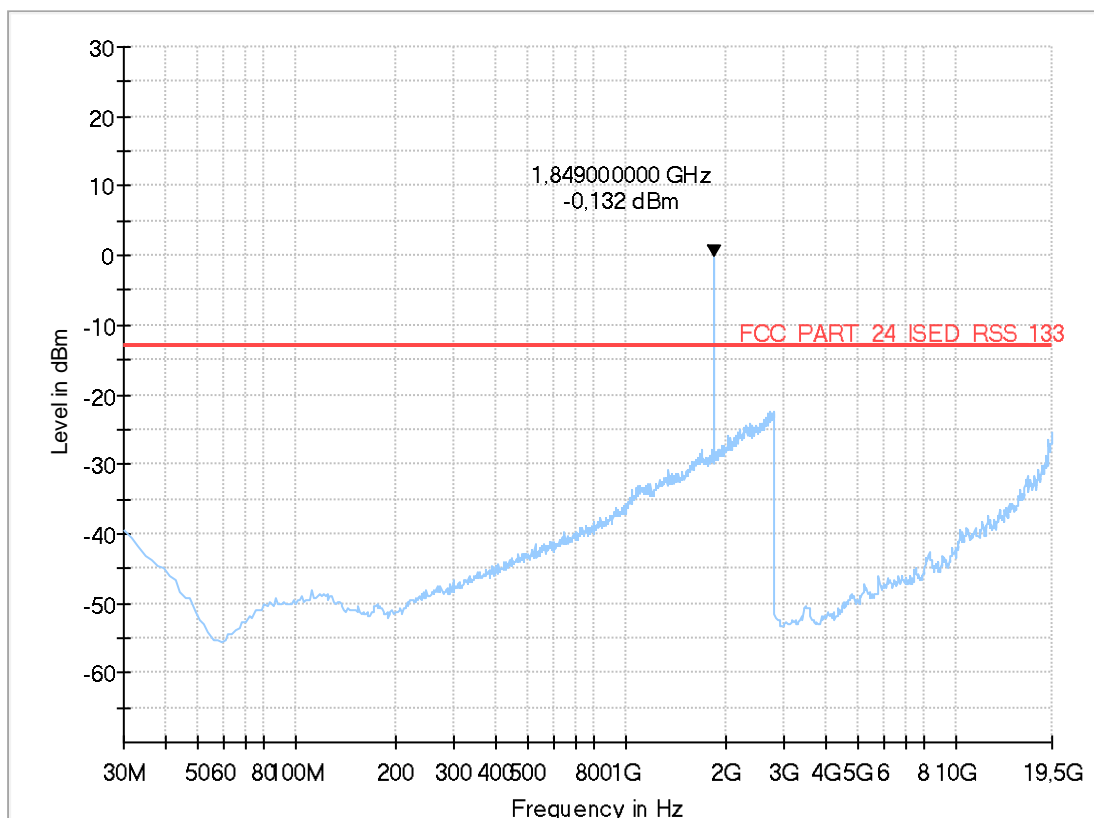
#### Common Information

Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operating conditions:	Humidity: 40%rH; Temperature: 20°C
Operation mode:	TCH 1900, CHANNEL 512
Operator Name:	HEI
Comment:	DUT Laying

#### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 8.02b\_RSE\_GPRS1900\_512\_Standing

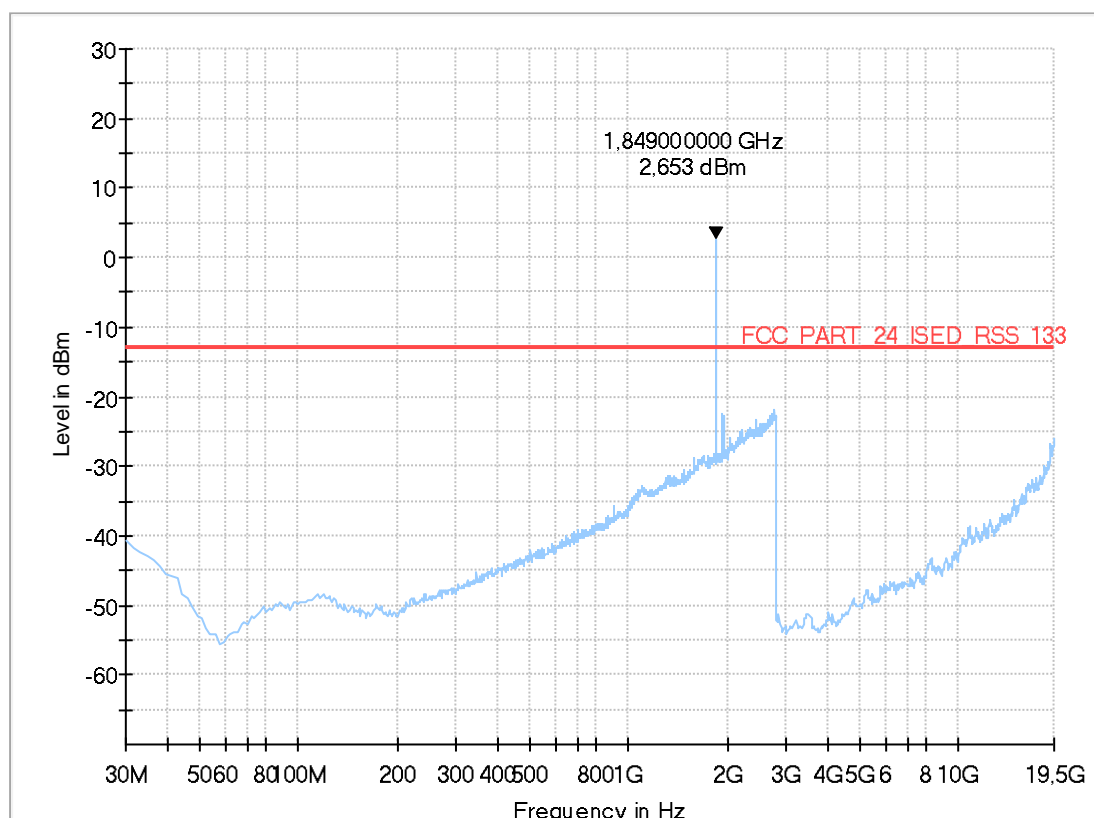
### Common Information

Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operating conditions:	Humidity: 40%rH; Temperature: 20°C
Operation mode:	TCH 1900, CHANNEL 512
Operator Name:	HEI
Comment:	DUT Standing

### EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



### 1.5.1. Spurious emissions radiated (1900 MHz transmitting mode)-Backup-Antenna 8.04a\_RSE\_GPRS1900\_810\_laying

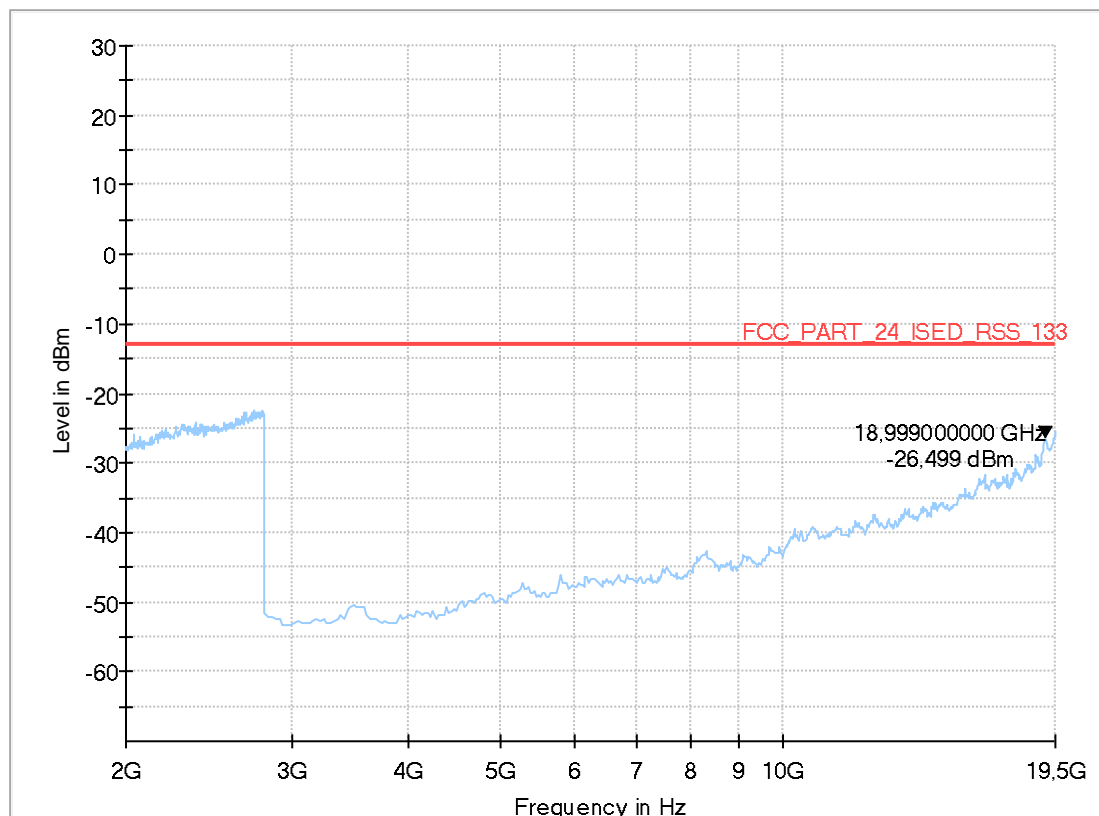
#### Common Information

Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operating conditions:	Humidity: 40%rH; Temperature: 20°C
Operation mode:	TCH 1900, CHANNEL 810
Operator Name:	HEI
Comment:	DUT Laying

#### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 8.04b\_RSE\_GPRS1900\_810\_Standing

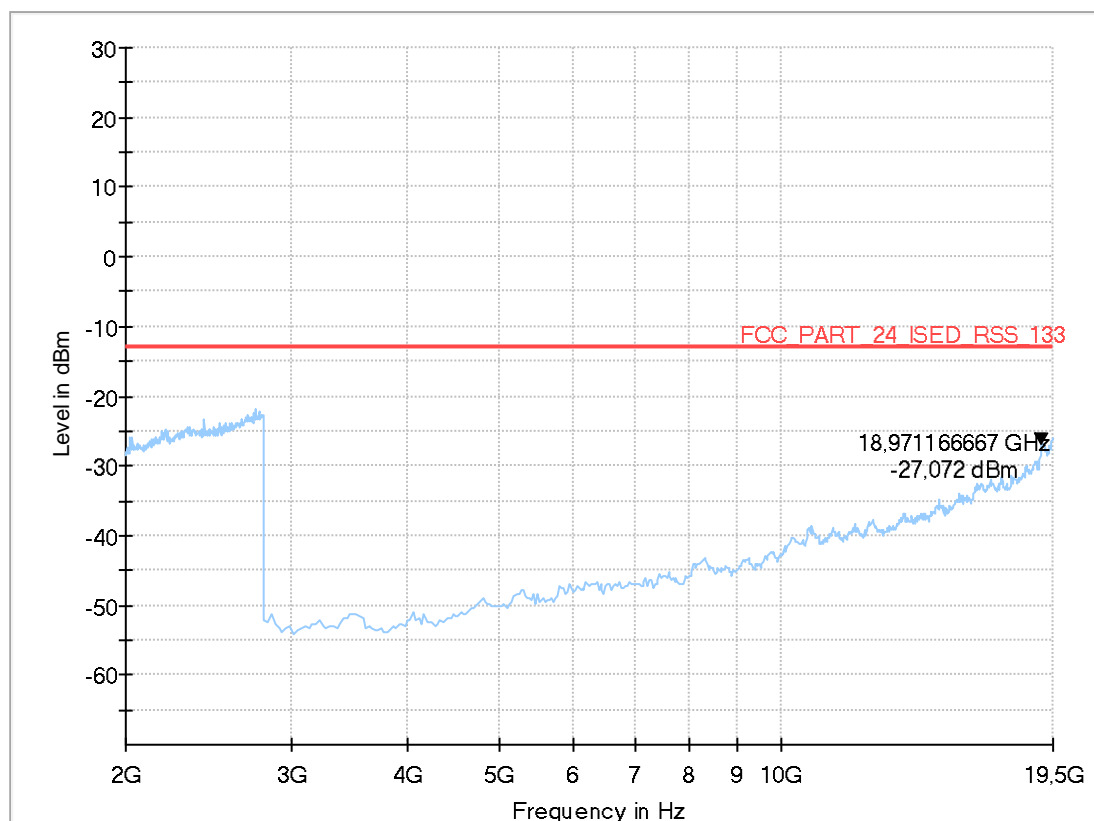
### Common Information

Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operating conditions:	Humidity: 40%rH; Temperature: 20°C
Operation mode:	TCH 1900, CHANNEL 810
Operator Name:	HEI
Comment:	DUT Standing

### EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 1.6. Radiated emissions on 850 MHz transmitting band-edge 9.01a\_RSE\_GPRS850\_128\_standing

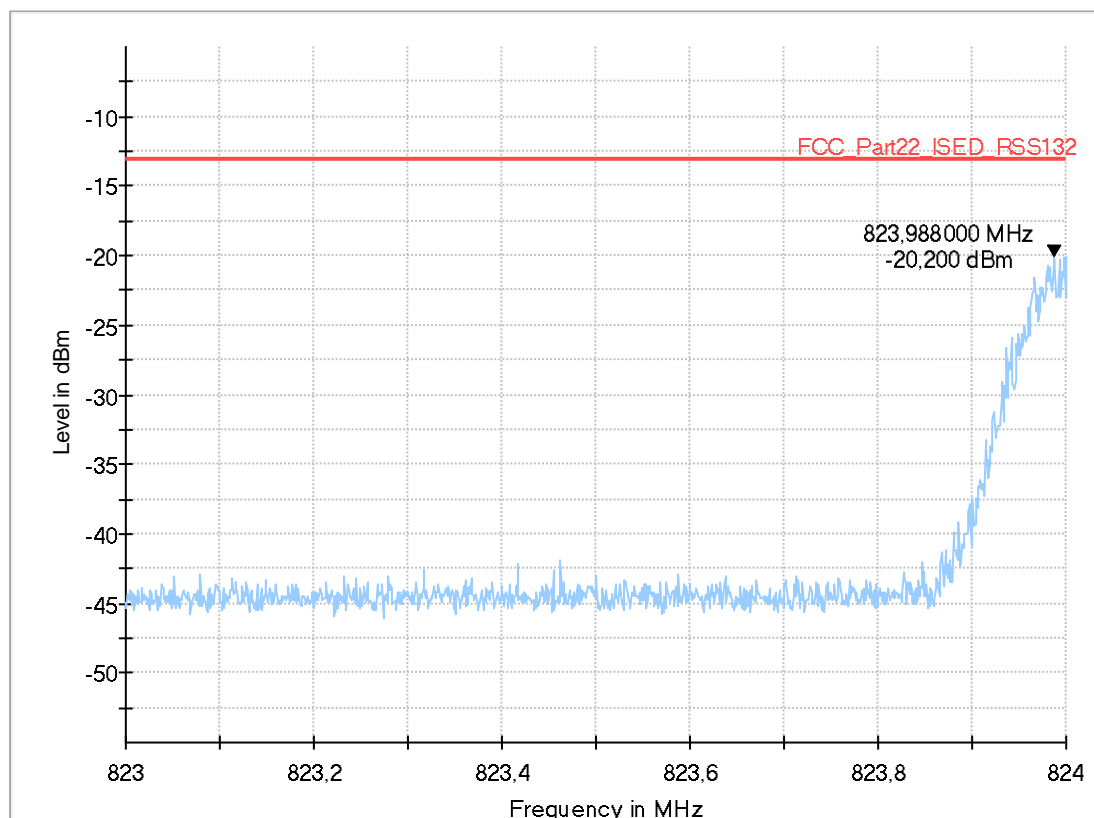
### Common Information

Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 850, CHANNEL 128, standing
Operator Name:	TFra

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum







### 9.01b\_RSE\_GPRS850\_128\_laying

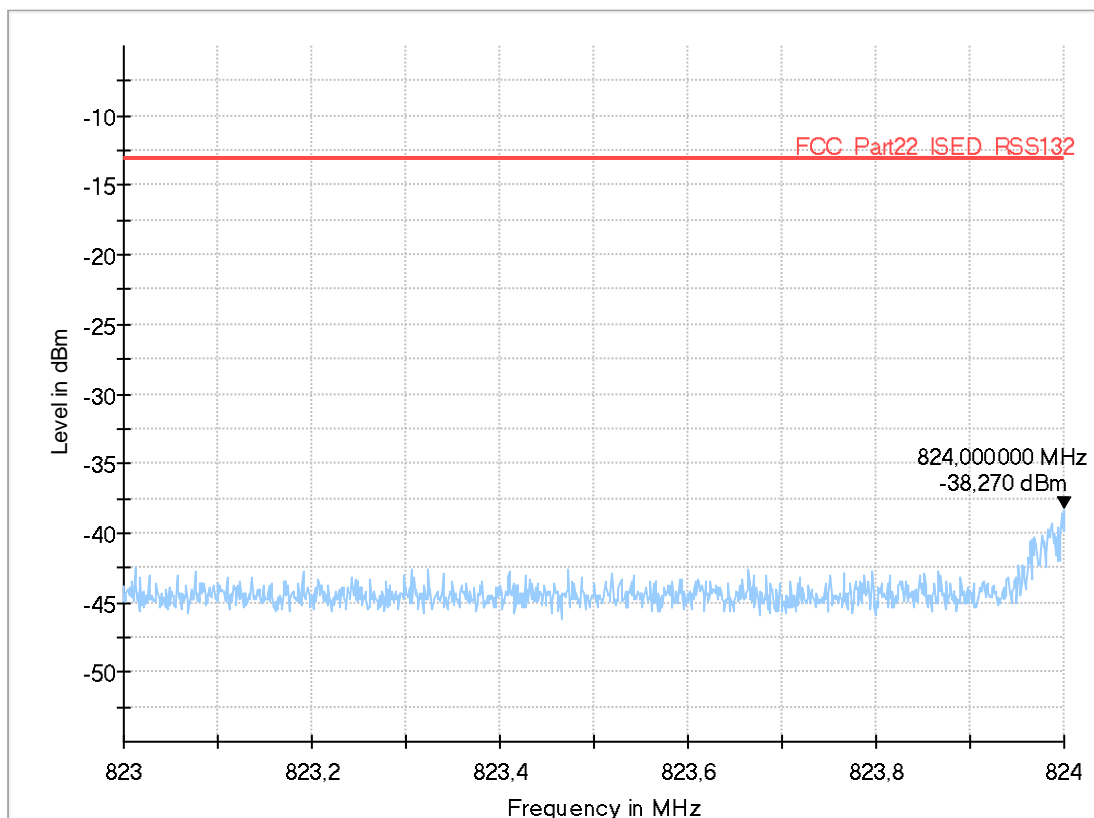
#### Common Information

Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	GSM 850, CHANNEL 128
Operator Name:	MBe
Comment:	laying

#### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 9.02a\_RSE\_GPRS850\_251\_standing

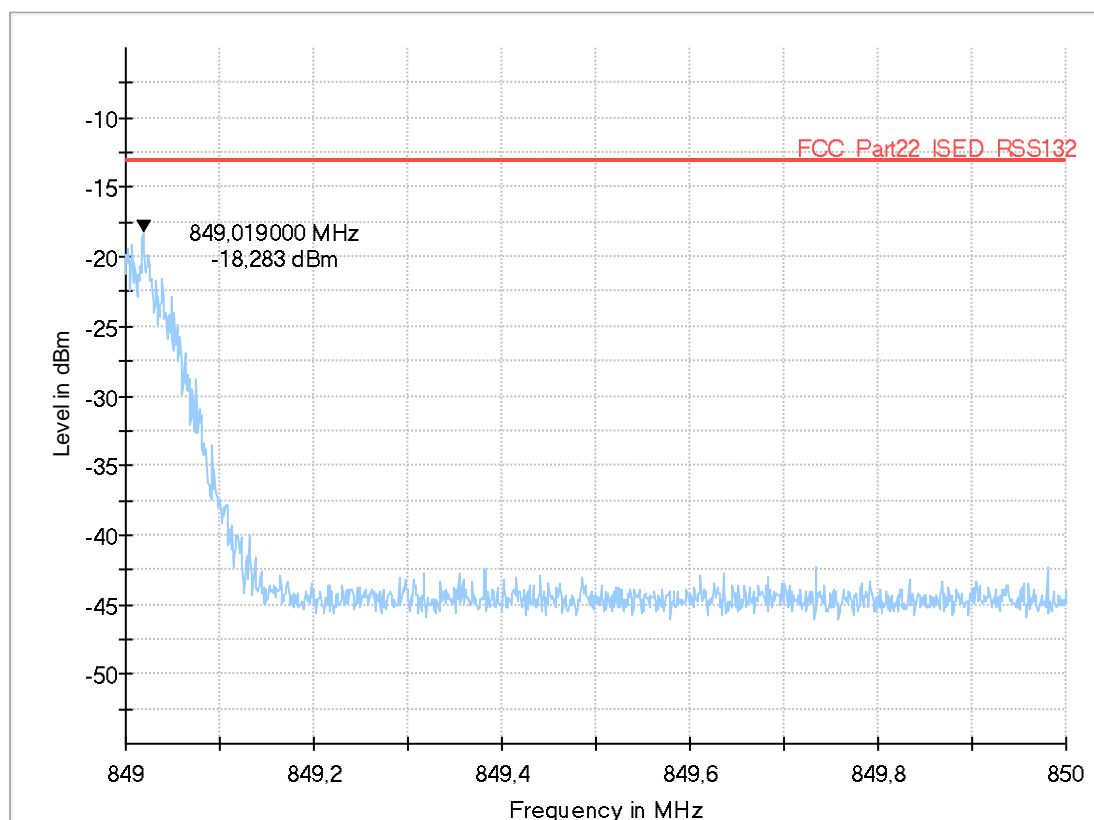
### Common Information

Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 850, CHANNEL 251, standing
Operator Name:	TFra

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	-----
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum





## 9.02b\_RSE\_GPRS850\_251\_laying

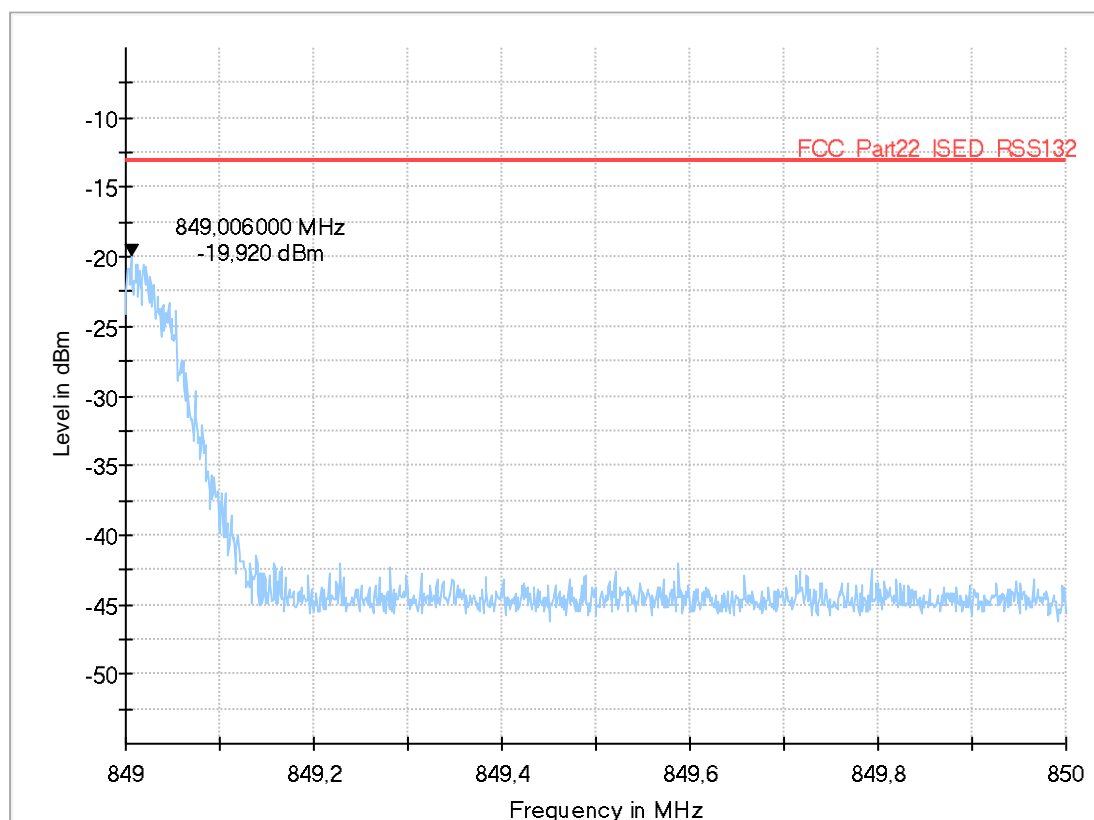
### Common Information

Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 850, CHANNEL 251, standing
Operator Name:	TFra

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



### 1.6.1. Radiated emissions on 850 MHz transmitting band-edge-Backup-Antenna 9.03a\_RSE\_GPRS850\_128\_standing

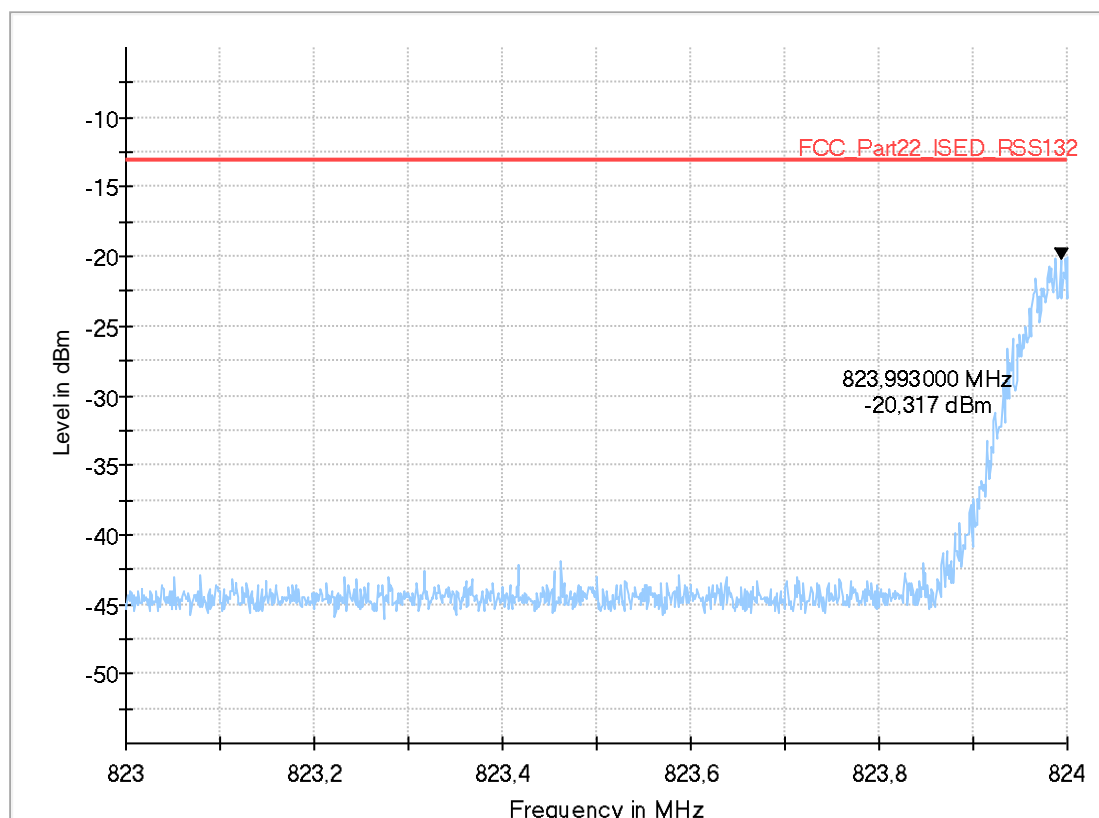
#### Common Information

Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 850, CHANNEL 128, standing
Operator Name:	TFra

#### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 9.03b\_RSE\_GPRS850\_128\_laying

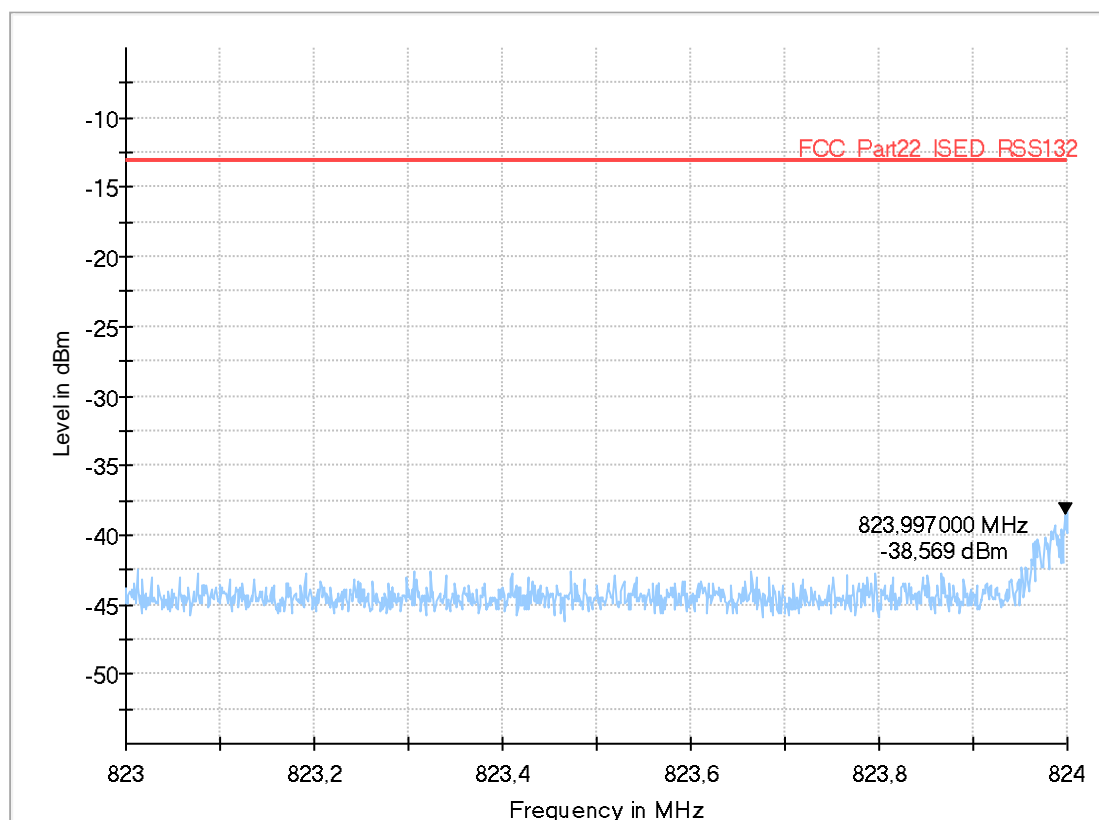
### Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 1900, CHANNEL 512/ 661/ 810
Operator Name:	RIs
Comment:	

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 9.04a\_RSE\_GPRS850\_251\_standing

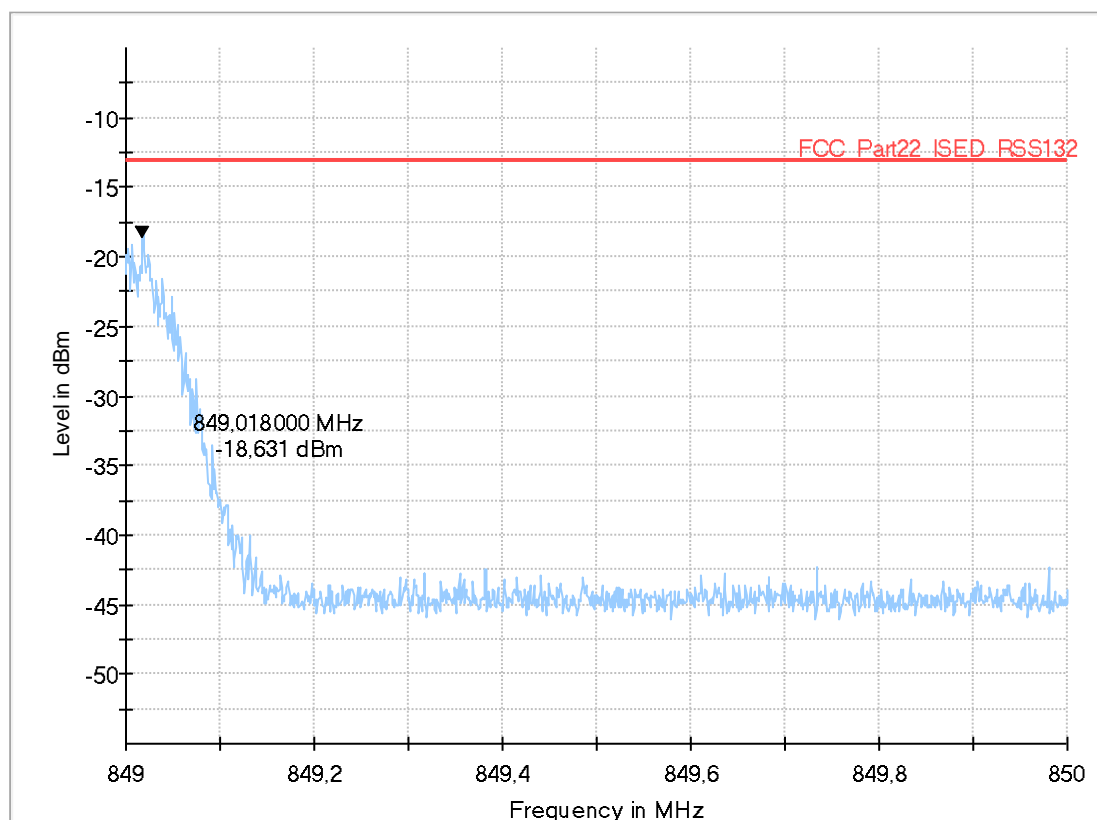
### Common Information

Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 850, CHANNEL 251, standing
Operator Name:	TFra

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum





## 9.04b\_RSE\_GPRS850\_251\_laying

### Common Information

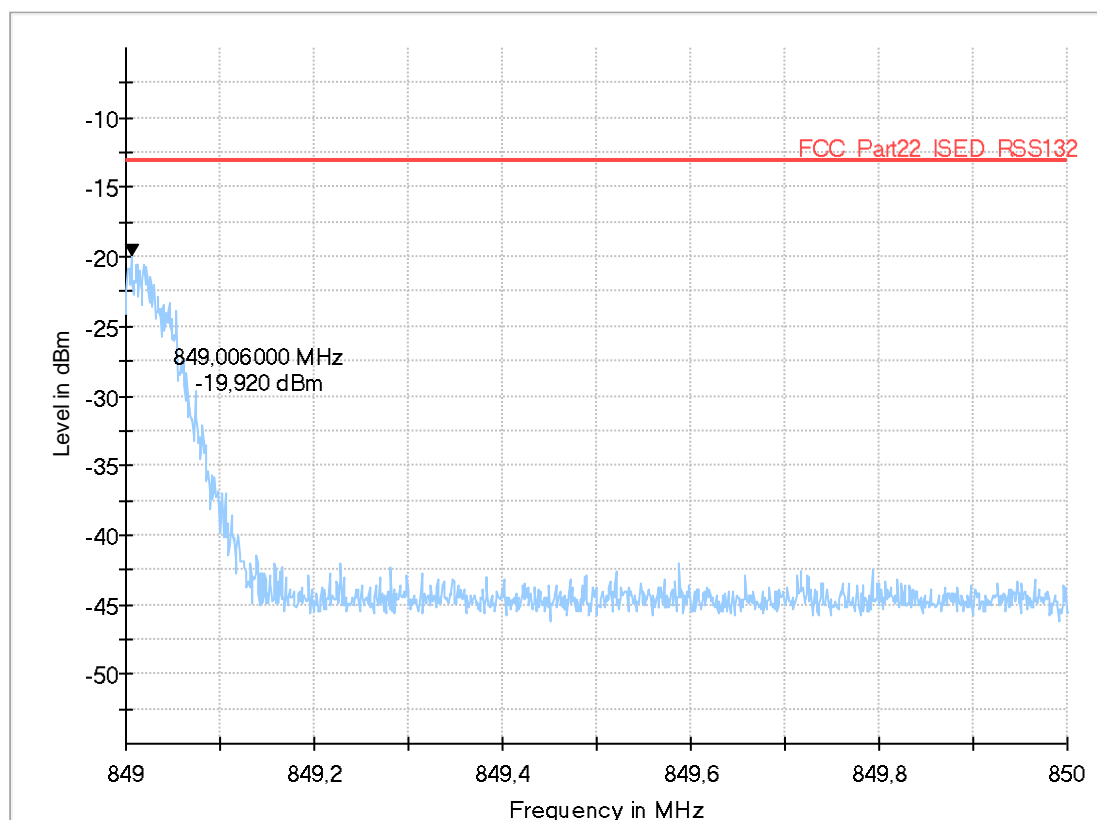
Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal

Operation mode:	TCH 850, CHANNEL 251, standing
Operator Name:	TFra

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



### 1.6.2. Radiated emissions on 1900 MHz transmitting band-edge

## 9.05a\_RSE\_GPRS1900\_512\_standing

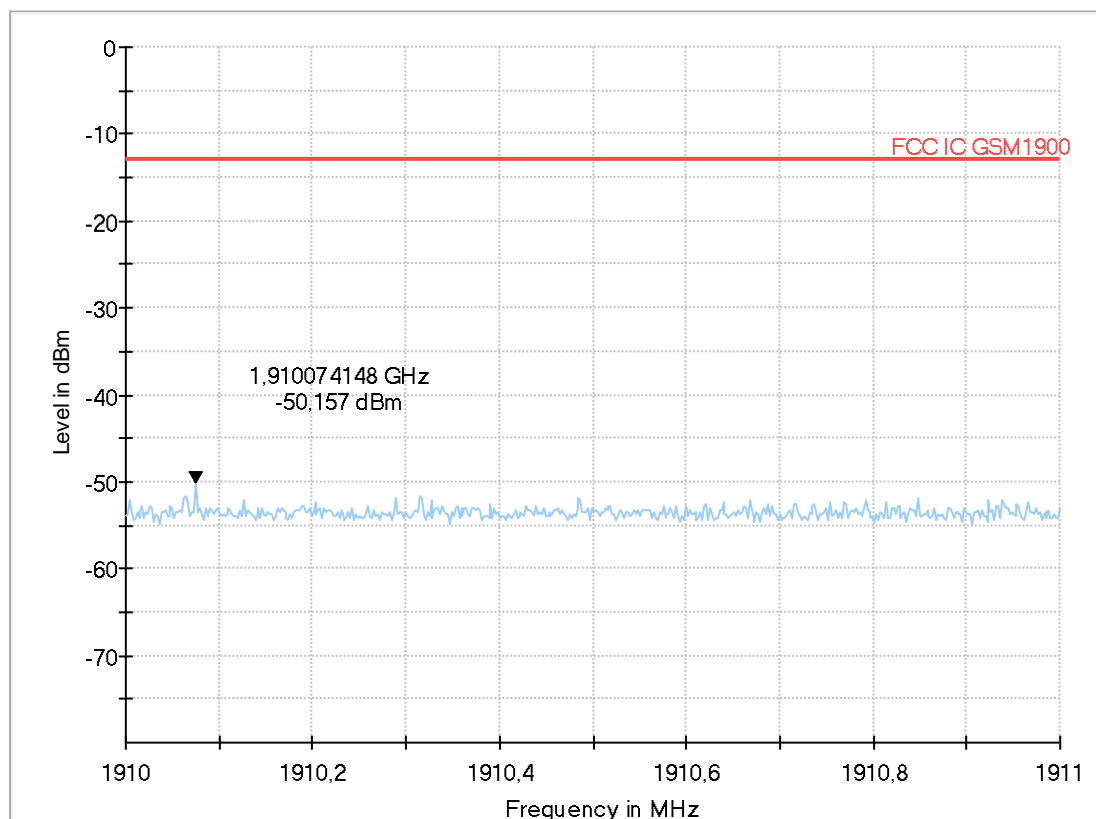
#### Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz),661(UL = 1880.0MHz),810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	HEI

#### EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 9.05b\_RSE\_GPRS1900\_512\_laying

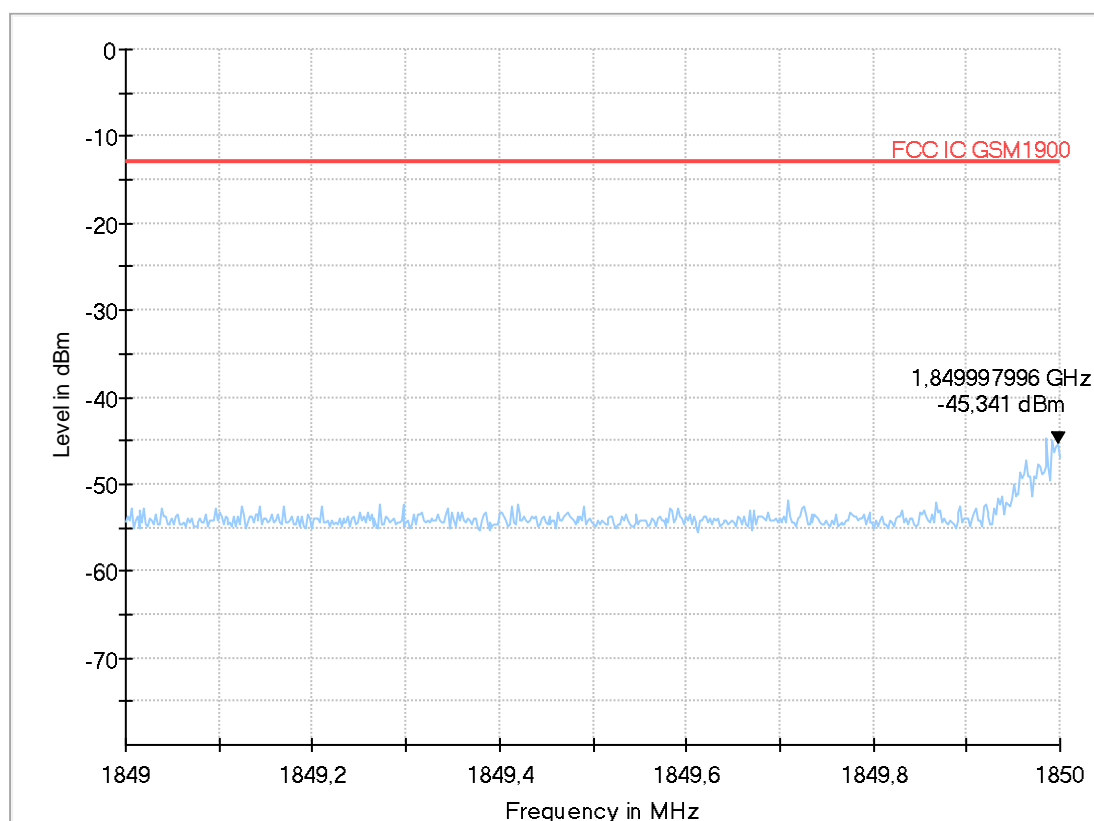
### Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GSM1900
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz)
Environmental Conditions:	Humidity: 50%rH; Temperature: 19.8°C
Operator:	MBe

### EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



### 9.06a\_RSE\_GPRS1900\_810\_standing

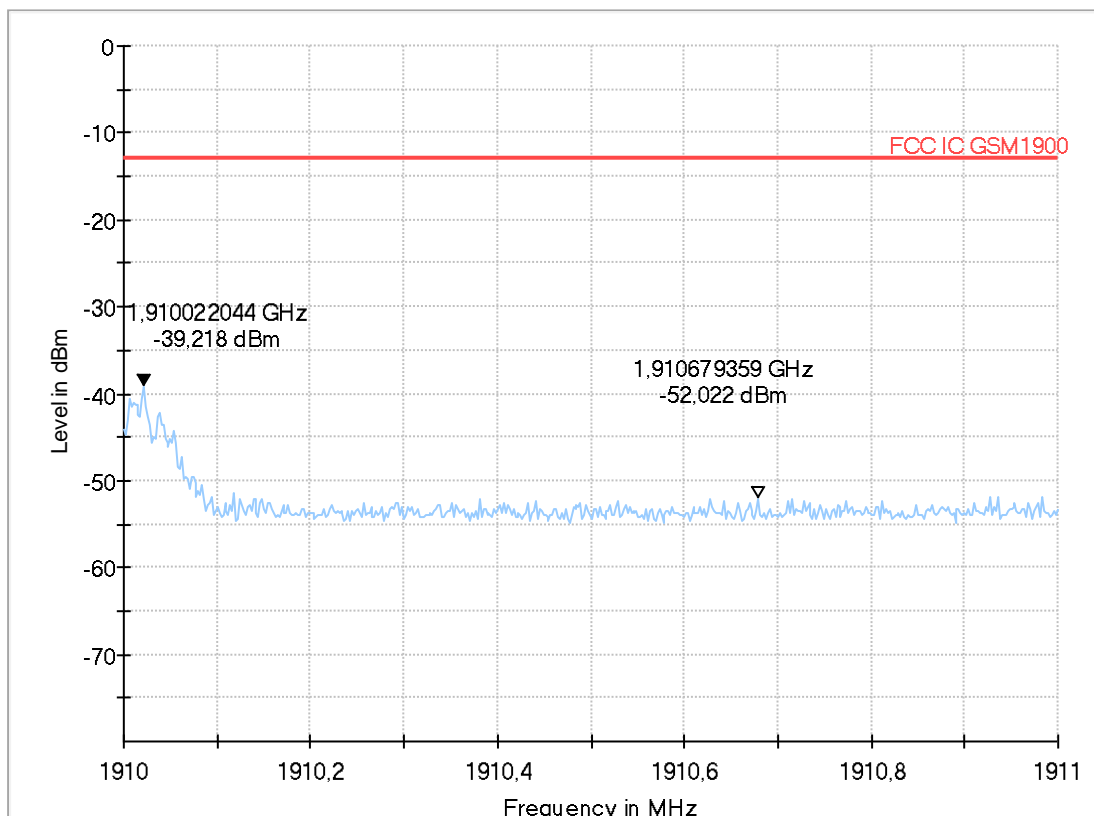
#### Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz),661(UL = 1880.0MHz),810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	HEI

#### EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 9.06b\_RSE\_GPRS1900\_810\_laying

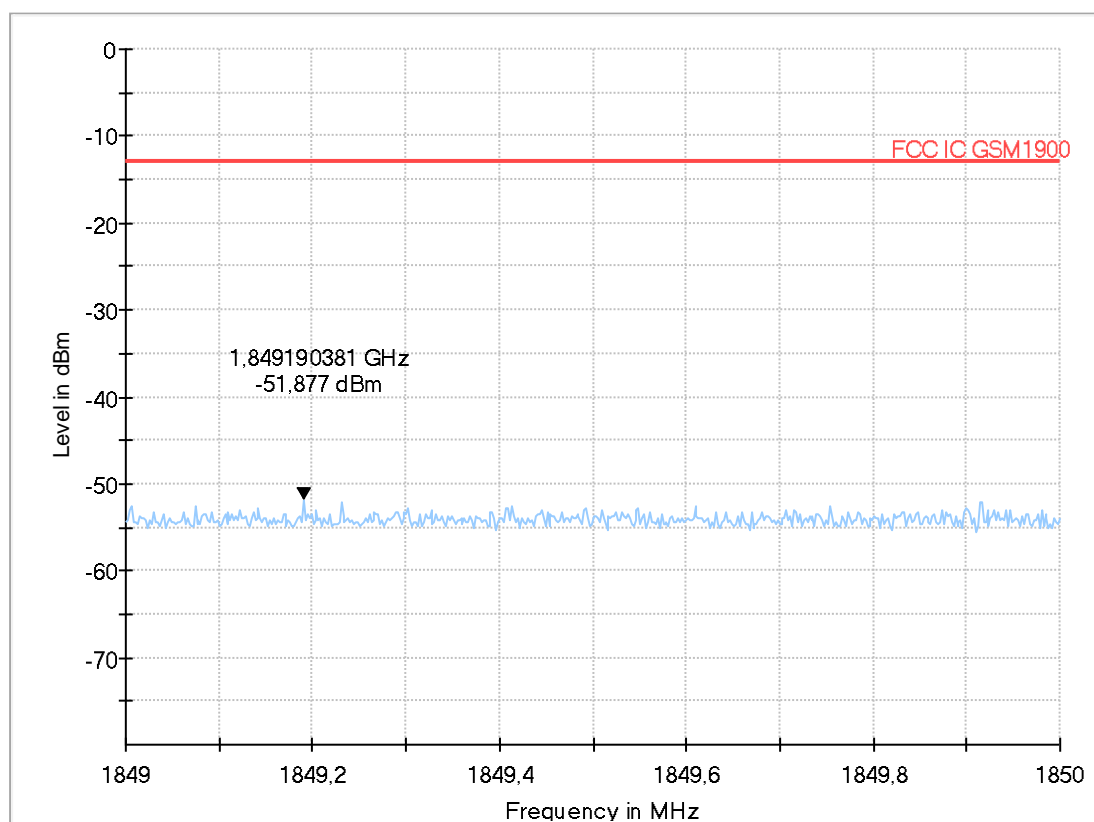
### Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz),661(UL = 1880.0MHz),810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	HEI
Comment:	DUT Laying_CH 810

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



### 1.6.3. Radiated emissions on 1900 MHz transmitting band-edge-Backup-Antenna 9.07a\_RSE\_GPRS1900\_512\_laying

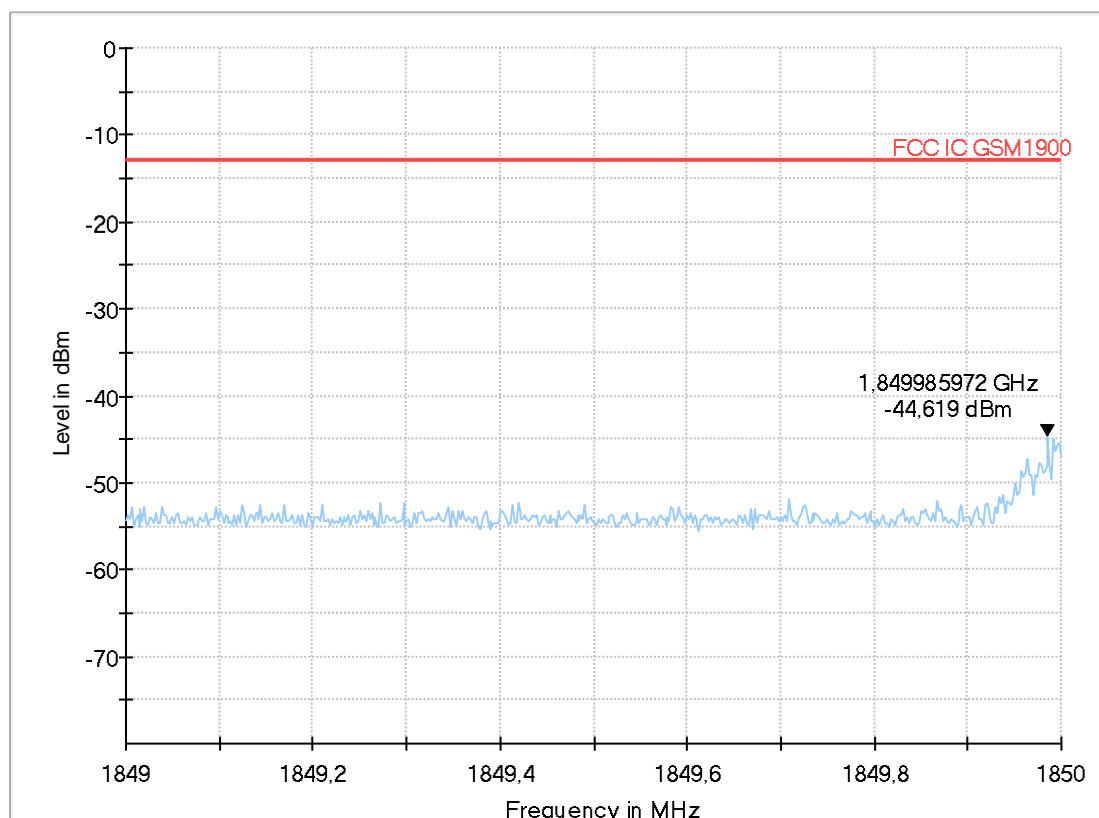
#### Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GSM1900
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz)
Environmental Conditions:	Humidity: 50%rH; Temperature: 19.8°C
Operator:	MBe

#### EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 9.01b\_RSE\_GPRS1900\_512\_standing

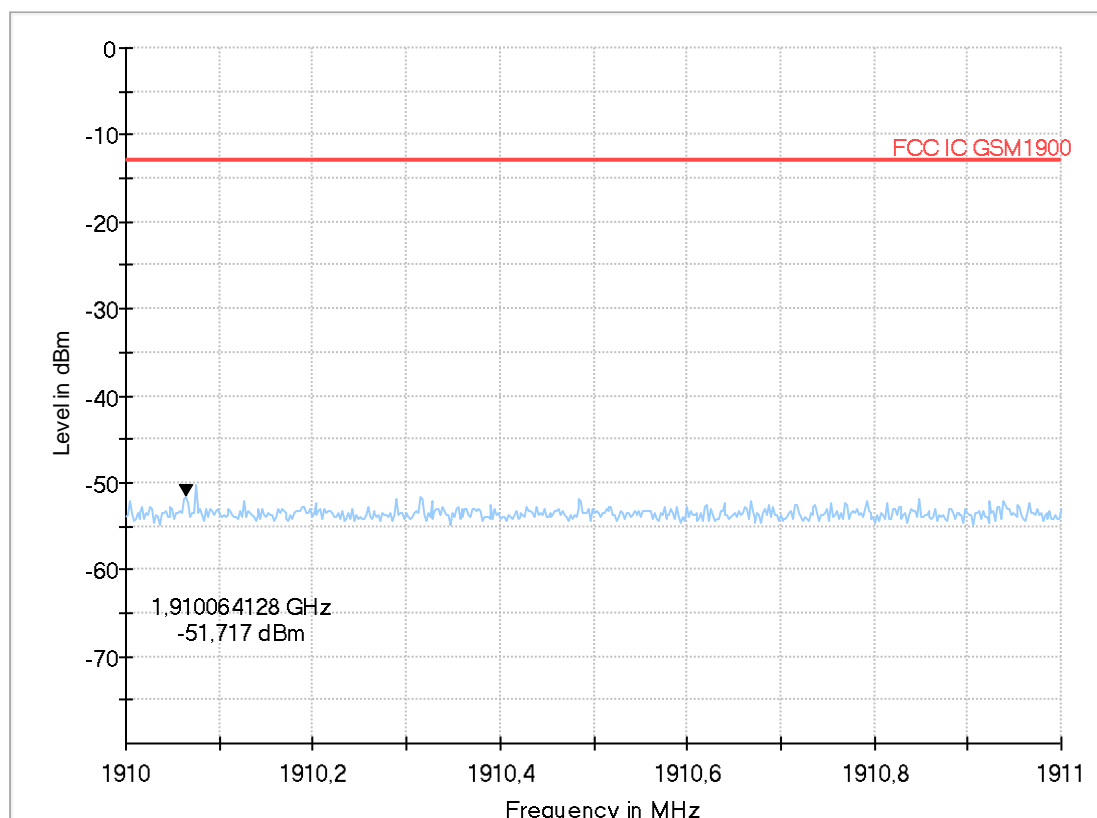
### Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz),661(UL = 1880.0MHz),810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	HEI

### EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



## 9.08a\_RSE\_GPRS1900\_810\_laying

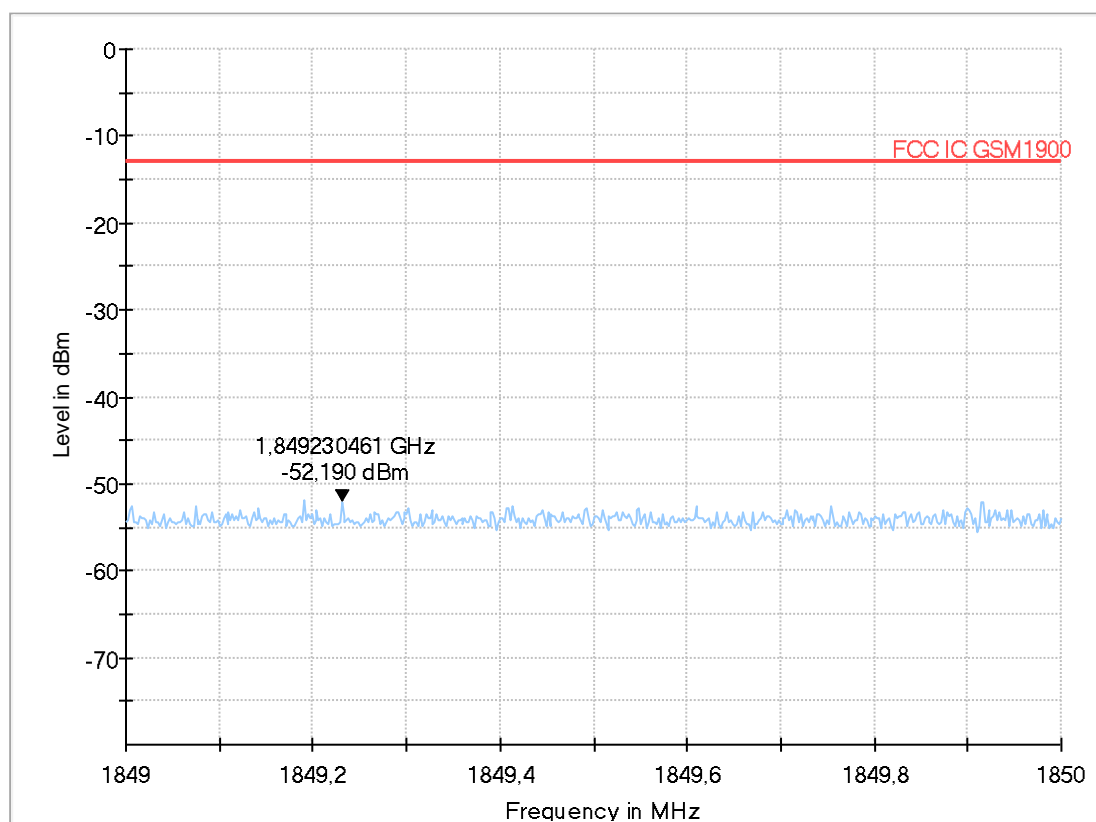
### Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz),661(UL = 1880.0MHz),810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	HEI
Comment:	DUT Laying_CH 810

### EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum





### 9.08a\_RSE\_GPRS1900\_810\_standing

#### Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz),661(UL = 1880.0MHz),810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	HEI

#### EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-US-T1 (Sample 1010)
-----	
HW version:	103.004.004
SW version:	001.009.015
Serial number:	4326
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum

