

Annex 1: Measurement diagrams to
TEST REPORT
 No.: 16-1-0001901T15a

According to:
FCC Regulations
 Part 22, Part 24

for
 peiker acoustic GmbH

Telematic Device
 ATM-02-ROW-R1

FCC: QWY-ATM2-R-13







Laboratory Accreditation and Listings			
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 WiFi ALLIANCE AUTHORIZED RF LABORATORY	 ctia Authorized TM Test Lab Lab Code: 20011130-00		
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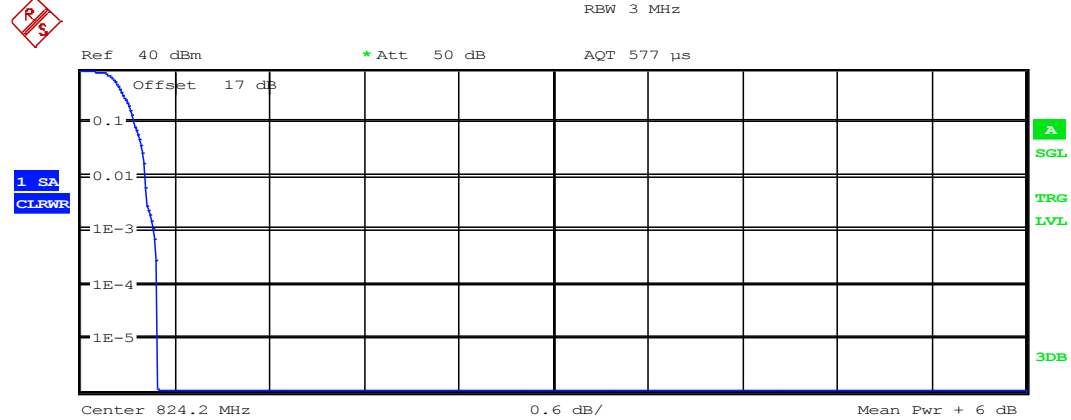
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1. Measurement diagrams

1.1. Power Measurements and PAPR-Value

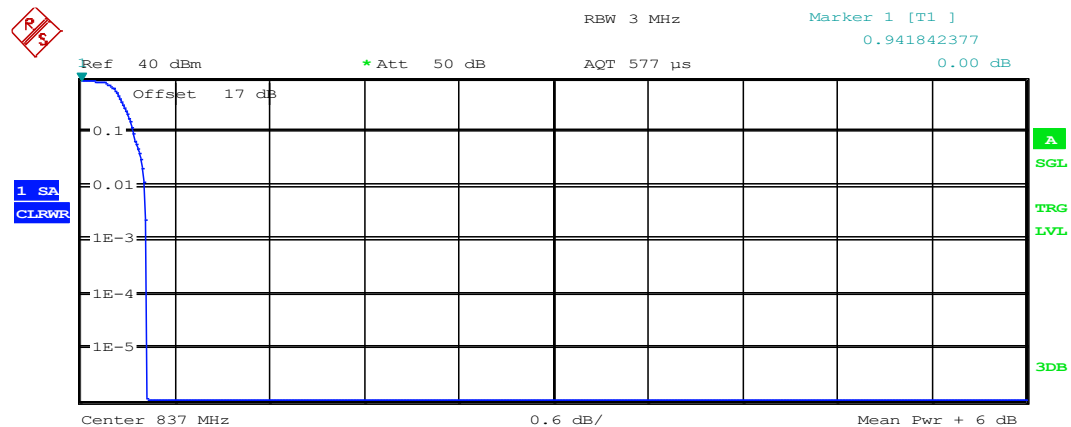
1.1.1. GSM 850 (GMSK Modulation)



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	31.41 dBm
Peak	31.90 dBm
Crest	0.49 dB
10 %	0.34 dB
1 %	0.41 dB
.1 %	0.46 dB
.01 %	0.49 dB

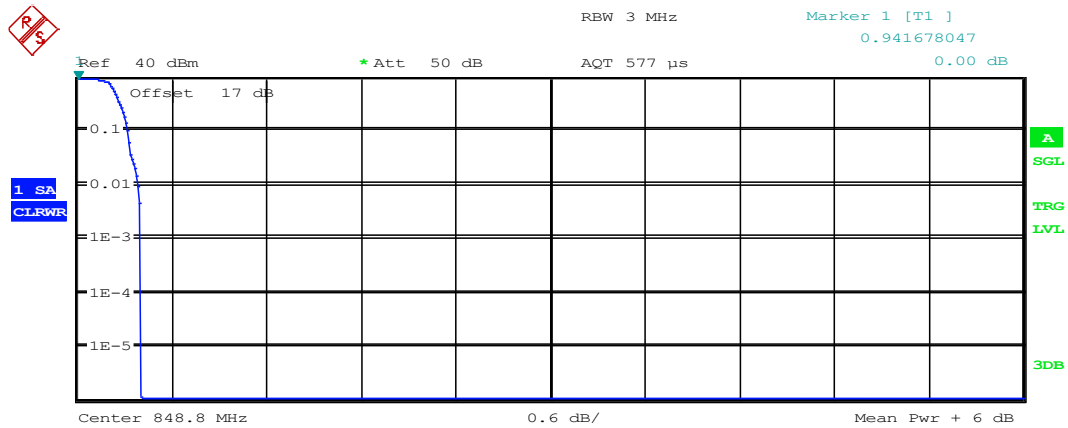
Diagram CCDF_128_GMSK



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	31.49 dBm
Peak	31.90 dBm
Crest	0.42 dB
10 %	0.34 dB
1 %	0.40 dB
.1 %	0.42 dB
.01 %	0.42 dB

Diagram CCDF_192_GMSK

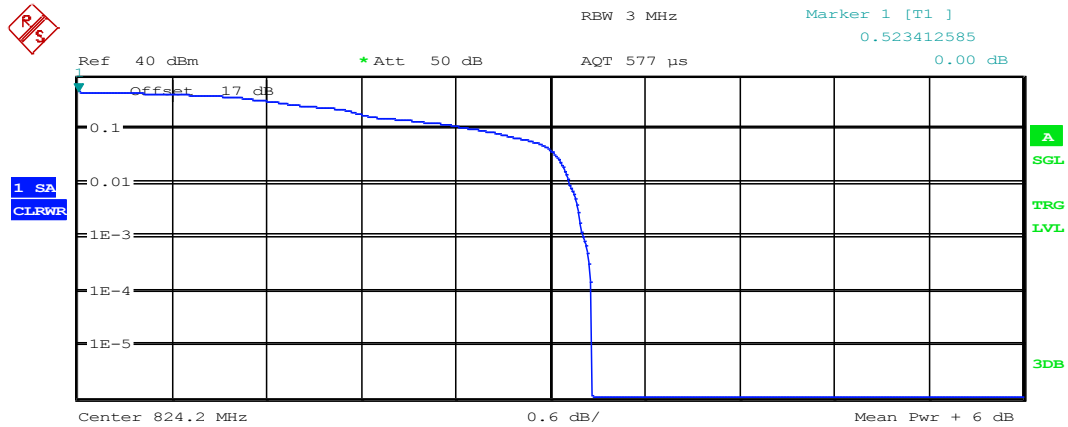


Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	31.71 dBm
Peak	32.11 dBm
Crest	0.40 dB
10 %	0.32 dB
1 %	0.38 dB
.1 %	0.40 dB
.01 %	0.40 dB

Diagram CCDF_251_GMSK

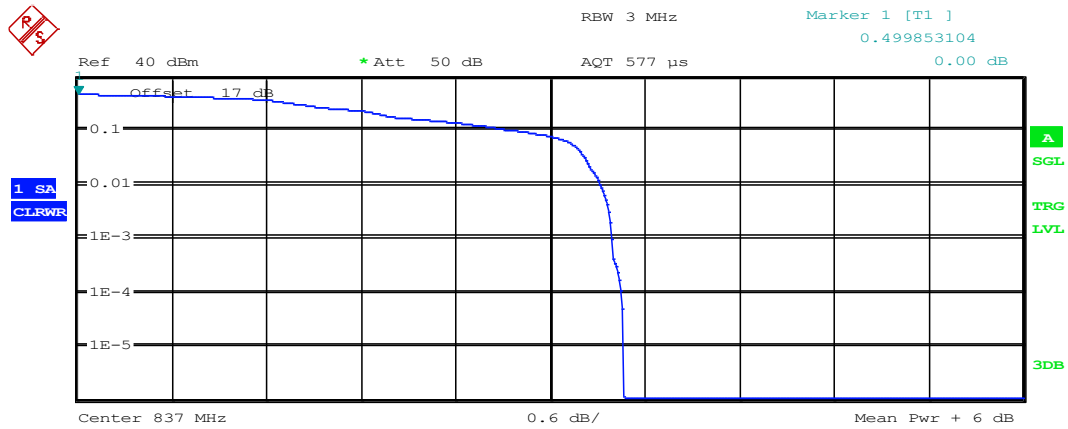
1.1.2. GSM 850 (8-PSK Modulation)



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	24.76 dBm
Peak	28.02 dBm
Crest	3.26 dB
10 %	2.56 dB
1 %	3.13 dB
.1 %	3.21 dB
.01 %	3.26 dB

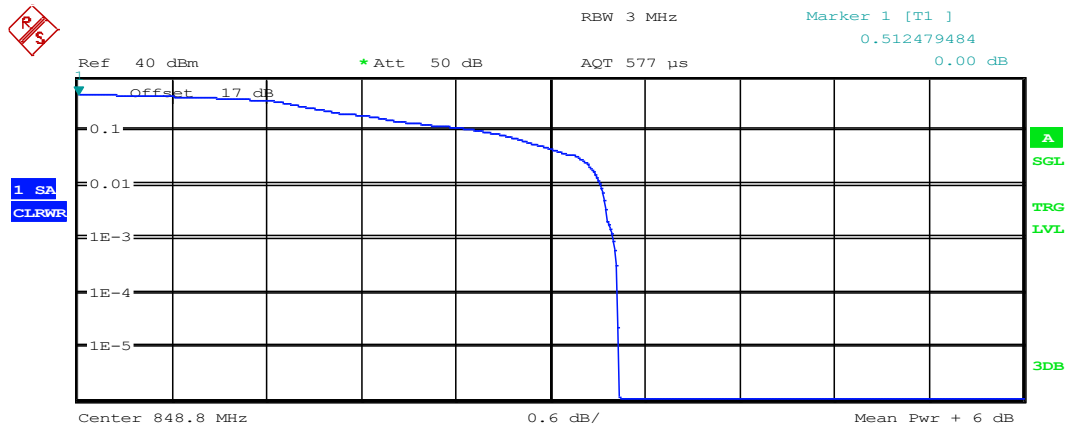
Diagram CCDF_128_8PSK



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	24.63 dBm
Peak	28.09 dBm
Crest	3.46 dB
10 %	2.82 dB
1 %	3.32 dB
.1 %	3.39 dB
.01 %	3.45 dB

Diagram CCDF_192_8PSK



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	24.87 dBm
Peak	28.30 dBm
Crest	3.43 dB
10 %	2.59 dB
1 %	3.32 dB
.1 %	3.40 dB
.01 %	3.43 dB

Diagram CCDF_251_8PSK

1.1.3. GSM 1900 (GMSK Modulation)

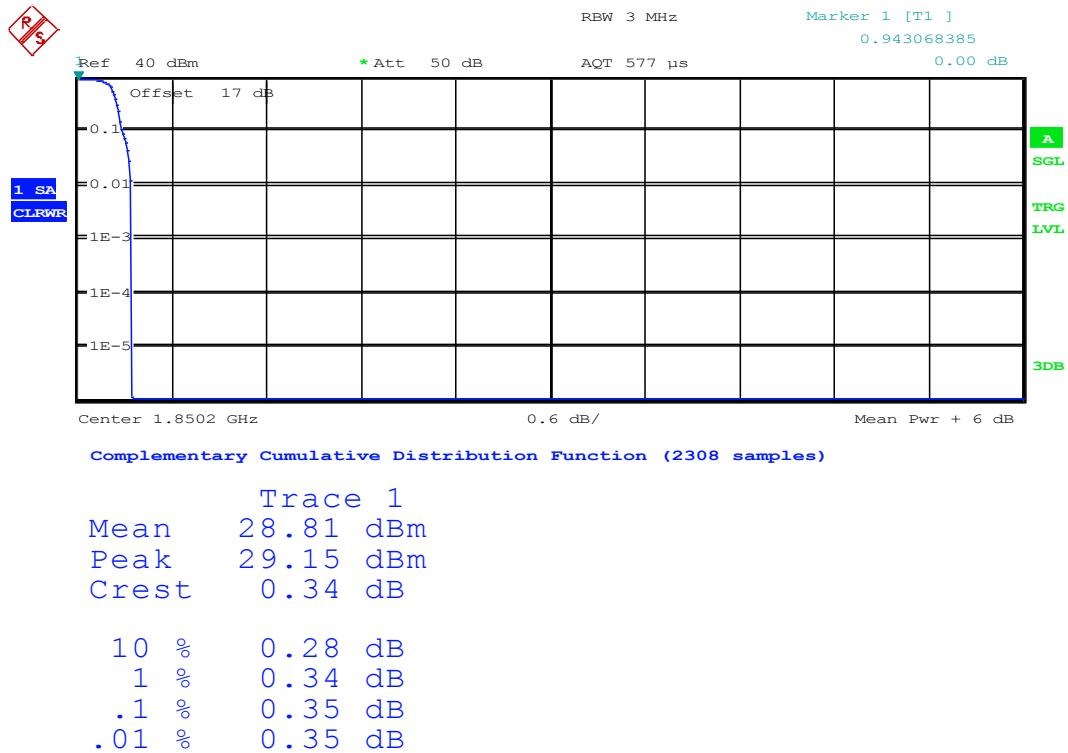


Diagram CCDF_512_GMSK

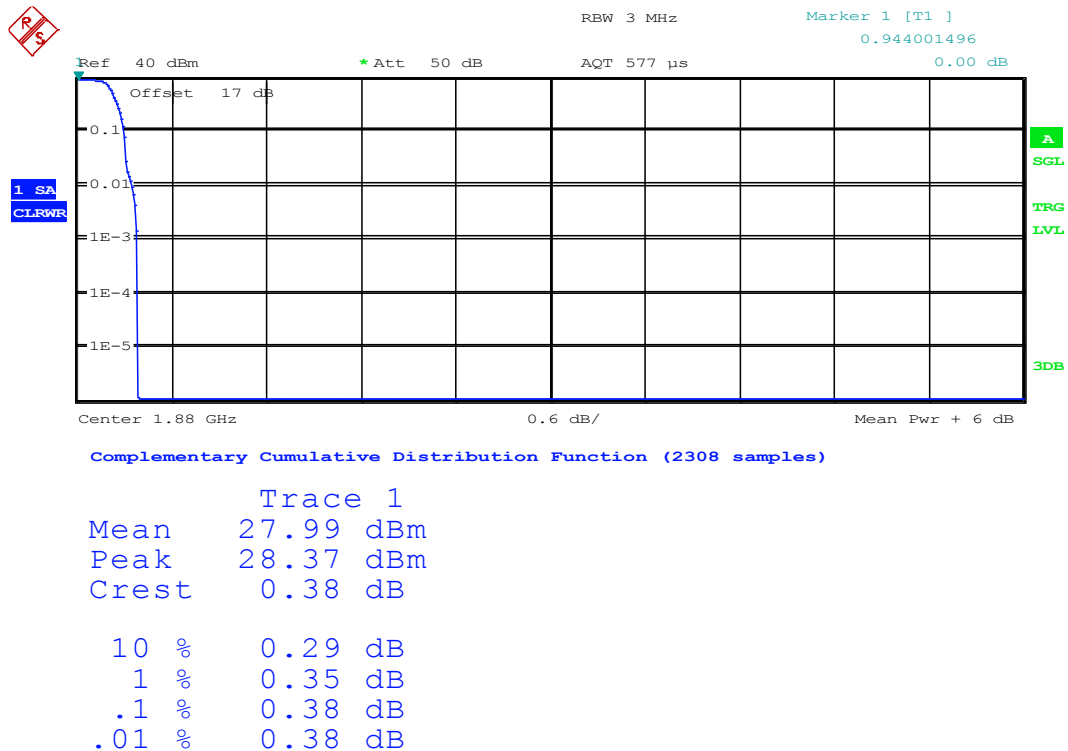
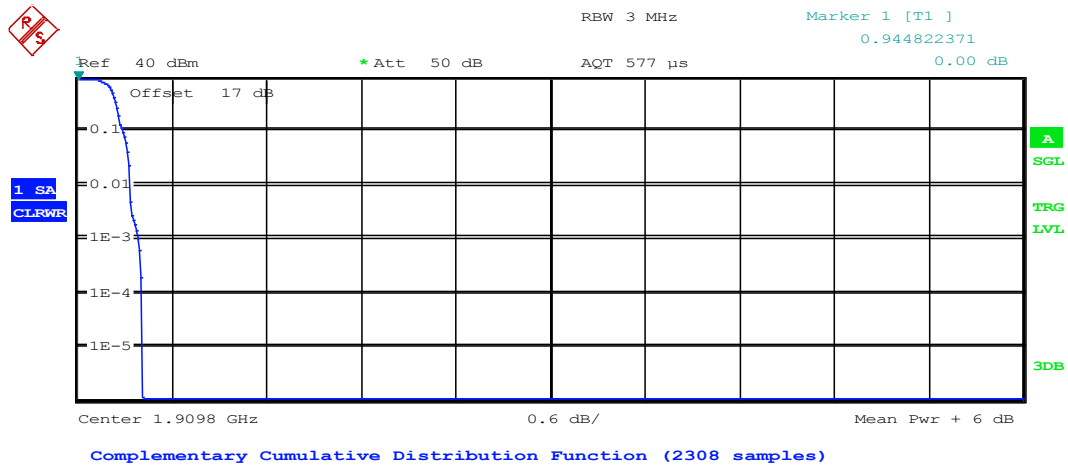


Diagram CCDF_661_GMSK



Trace 1	
Mean	28.25 dBm
Peak	28.66 dBm
Crest	0.41 dB
10 %	0.29 dB
1 %	0.34 dB
.1 %	0.38 dB
.01 %	0.40 dB

Diagram CCDF_810_GMSK

1.1.4. GSM 1900 (8-PSK Modulation)

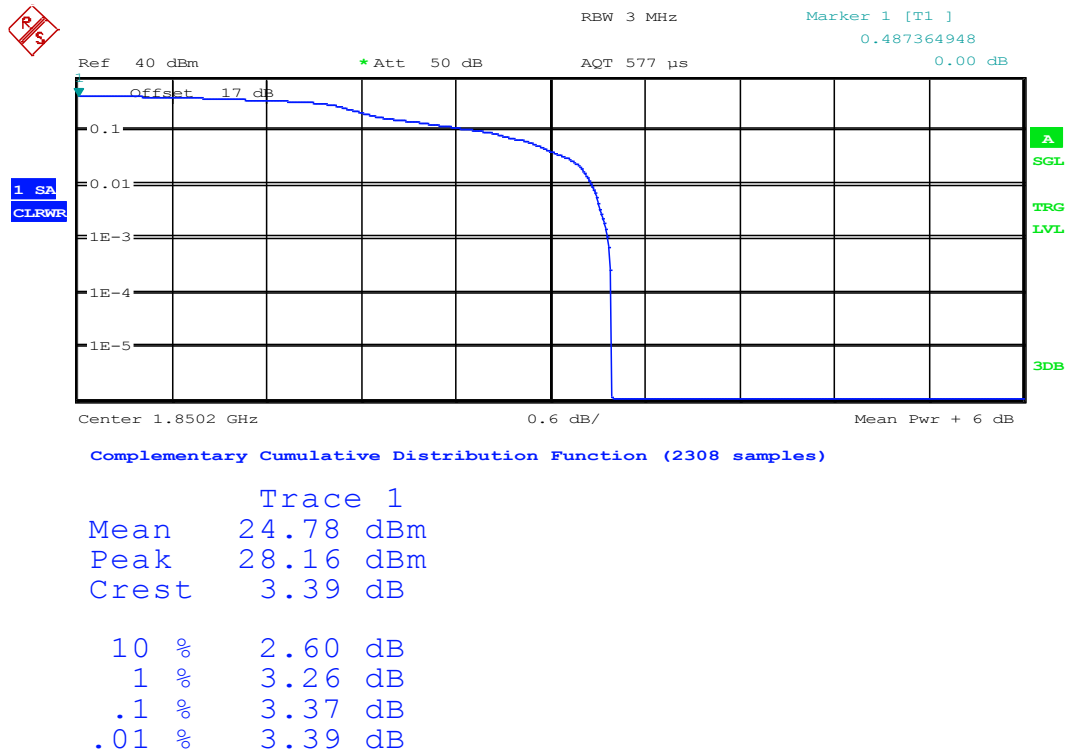


Diagram CCDF_512_8PSK

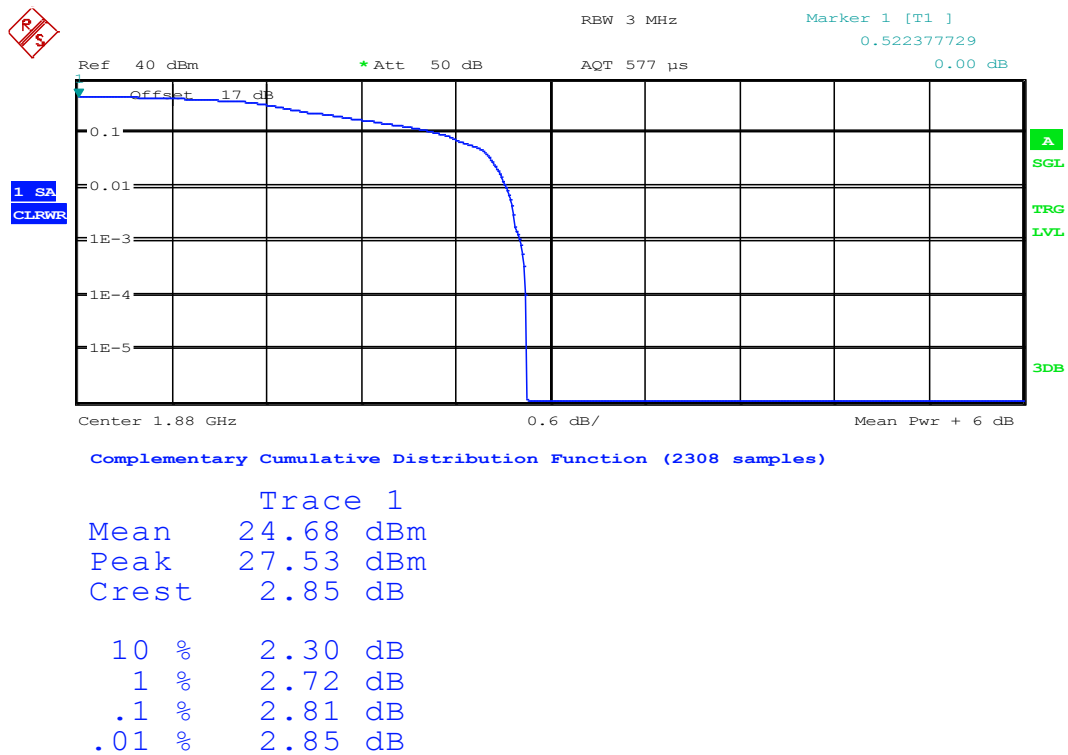
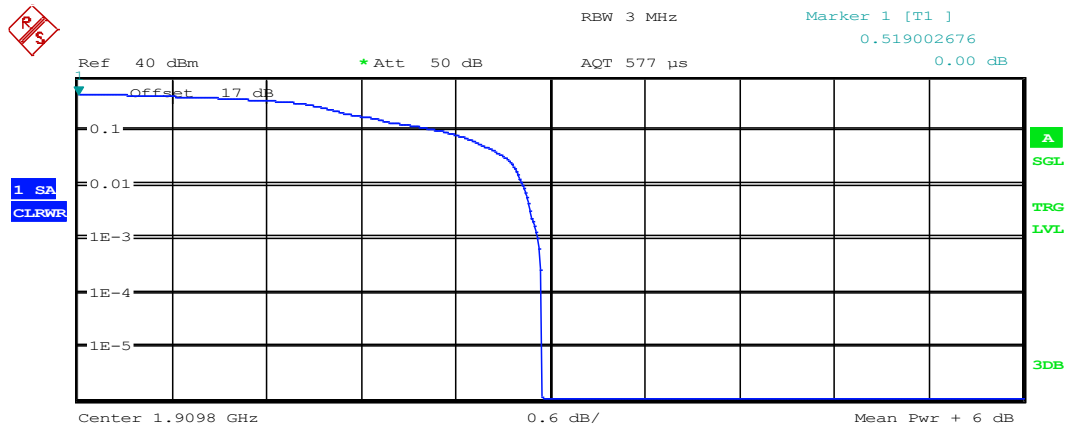


Diagram CCDF_661_8PSK



Complementary Cumulative Distribution Function (2308 samples)

Trace 1	
Mean	24.93 dBm
Peak	27.88 dBm
Crest	2.94 dB
10 %	2.33 dB
1 %	2.83 dB
.1 %	2.92 dB
.01 %	2.95 dB

Diagram CCDF_810_8PSK

1.2. Magnetic field emissions radiated (850 MHz transmitting mode) Diagram No. 2.01a_RSE_R_Ch192_GPRS_Standing

Common Information

Test description:	Date: 22.12.2017 Page 1 of 3
Test site and distance:	Magnetic Field Strength Measurement related to 30/300 m distance
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V9.25.0
Technical Data:	used accord. table, pls. see test report
Rec. antenna (pre-scan):	Please see page 2 for detailed data of measurement setup
Used filter:	height 1.00 m, parallel and 90° to EUT polarisation
Test specification:	bypass
	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	TFR
Operating conditions:	Humidity: 48%rH; Temperature: 20°C
Power during tests:	12V DC
Comment 1:	Channel 192 , GPRS1900
Comment 2:	standing

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-T1 (Sample 1035)

HW version:	202.009.004
SW version:	001.009.020
Serial number:	4363
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum

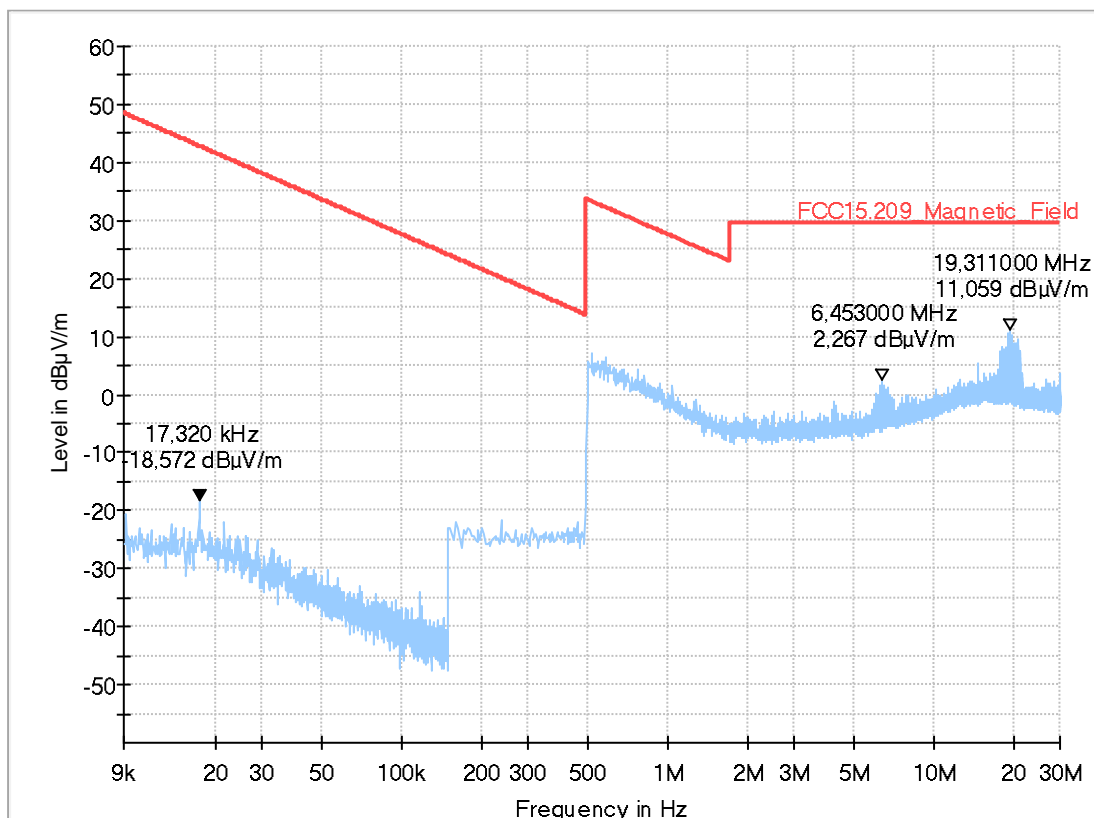


Diagram No. 2.01b_RSE_R_Ch192_GPRS_laying

Common Information

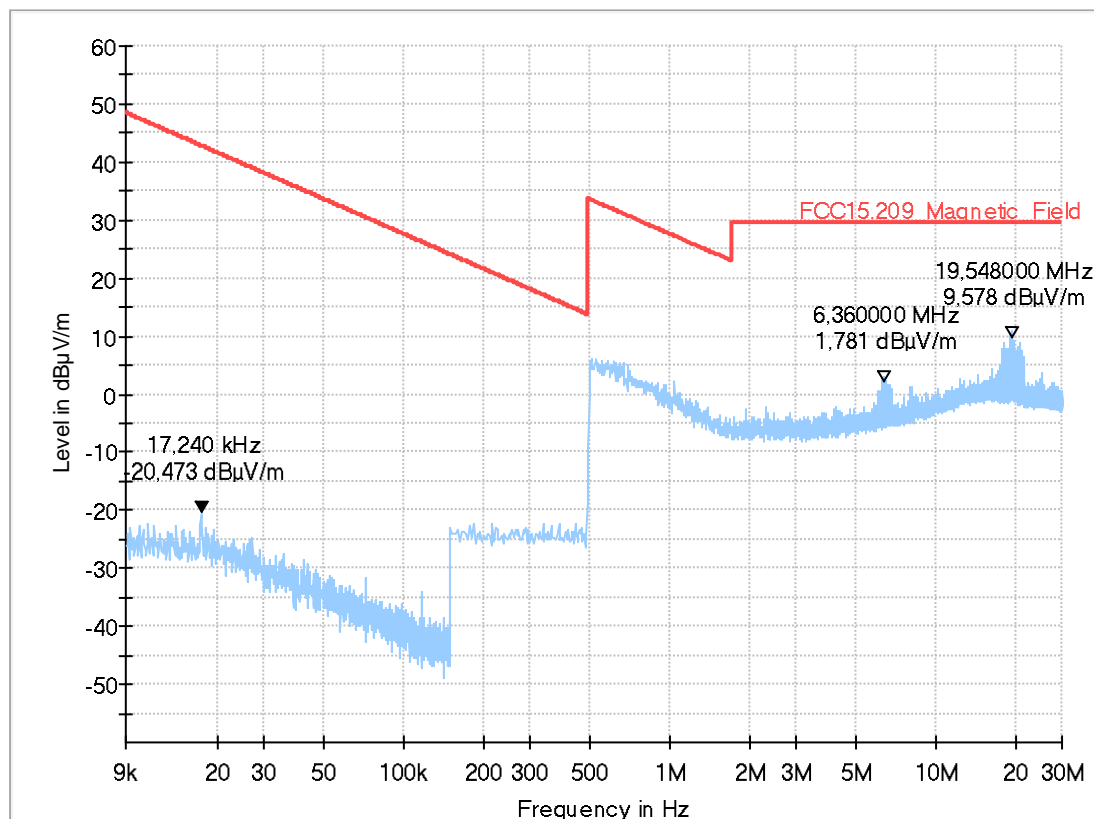
Date:	22.12.2017	Page 1 of 3
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	EMC32 V9.25.0	
Distance correction:	used accord. table, pls. see test 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:	TFr	
Operating conditions:	Humidity: 48%rH; Temperature: 20°C	
Power during tests:	12V DC	
Comment 1:	Channel 192 , GPRS1900	
Comment 2:	laying	

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-T1 (Sample 1035)

HW version:	202.009.004
SW version:	001.009.020
Serial number:	4363
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



1.2.1. Magnetic field emissions radiated (850 MHz transmitting mode)-Backup-Antenna

2.03a_RSE_R_Ch128_GPRS_standing

Common Information

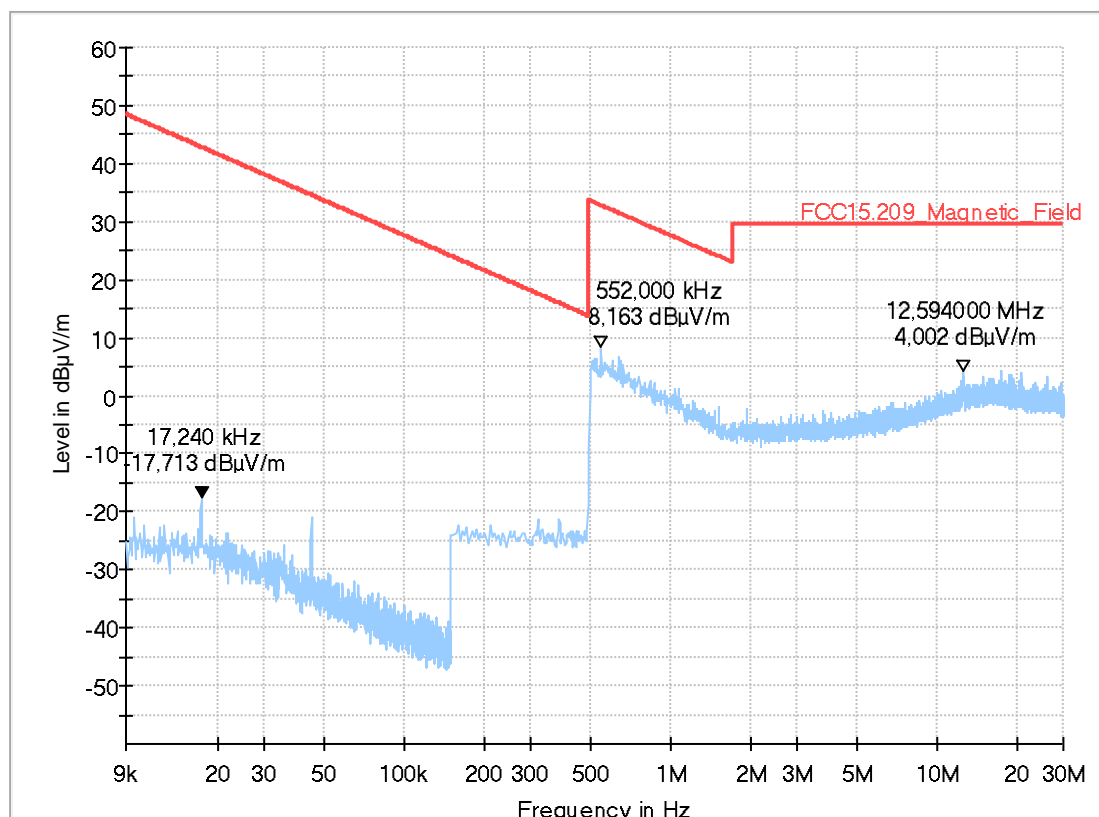
Test Description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction: used Distance correction:	used accord. table, pls. see test report
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 Name:	Klv
Operating conditions:	Humidity: 48%rH; Temperature: 20°C
Power during tests:	12V DC
Comment 1:	GSM850
Comment 2:	standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-T1 (Sample 1035)

HW version:	202.009.004
SW version:	001.009.020
Serial number:	4363
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



2.03b_RSE_R_Ch128_GPRS_laying

Common Information

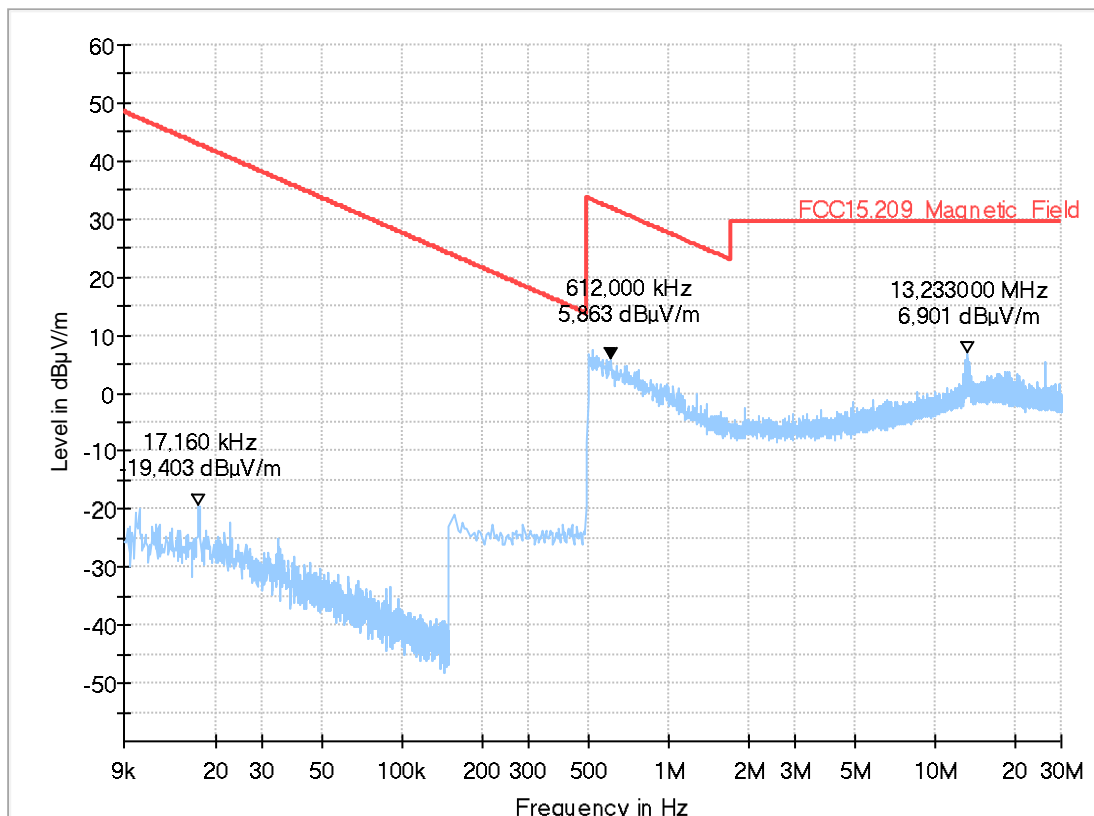
Test Description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction: used Distance correction:	used accord. table, pls. see test report
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 Name:	Klv
Operating conditions:	Humidity: 48%rH; Temperature: 20°C
Power during tests:	12V DC
Comment 1:	GSM850
Comment 2:	laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-T1 (Sample 1035)

HW version:	202.009.004
SW version:	001.009.020
Serial number:	4363
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



1.3. Magnetic field emissions radiated (1900 MHz transmitting mode)

Diagram No. 2.02a_RSE_R_Ch512_GPRS_Standing

Common Information

Date:	22.12.2017	Page 1 of 3
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:	TFr	
Operating conditions:	Humidity: 48%rH; Temperature: 20°C	
Power during tests:	12V DC	
Comment 1:	Channel 512 , GPRS1900	
Comment 2:	standing	

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-T1 (Sample 1035)

HW version:	202.009.004
SW version:	001.009.020
Serial number:	4363
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum

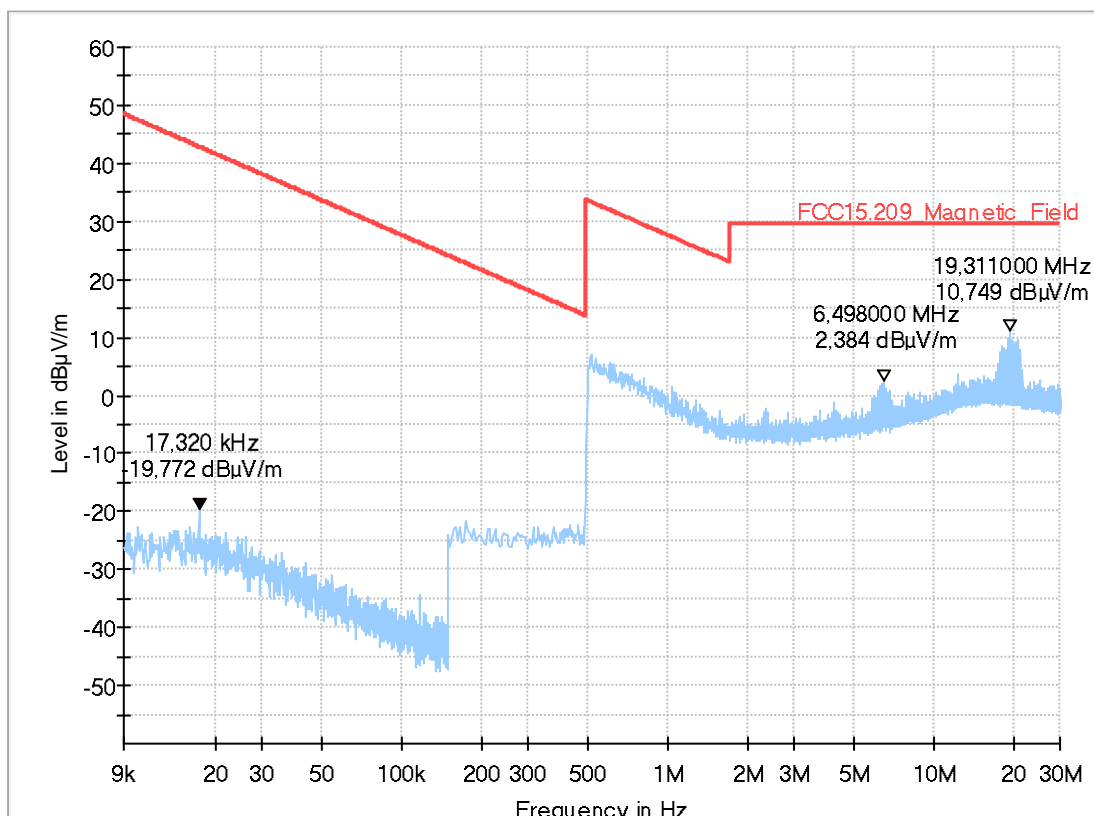


Diagram No. 2.02b_RSE_R_Ch512_GPRS_laying

Common Information

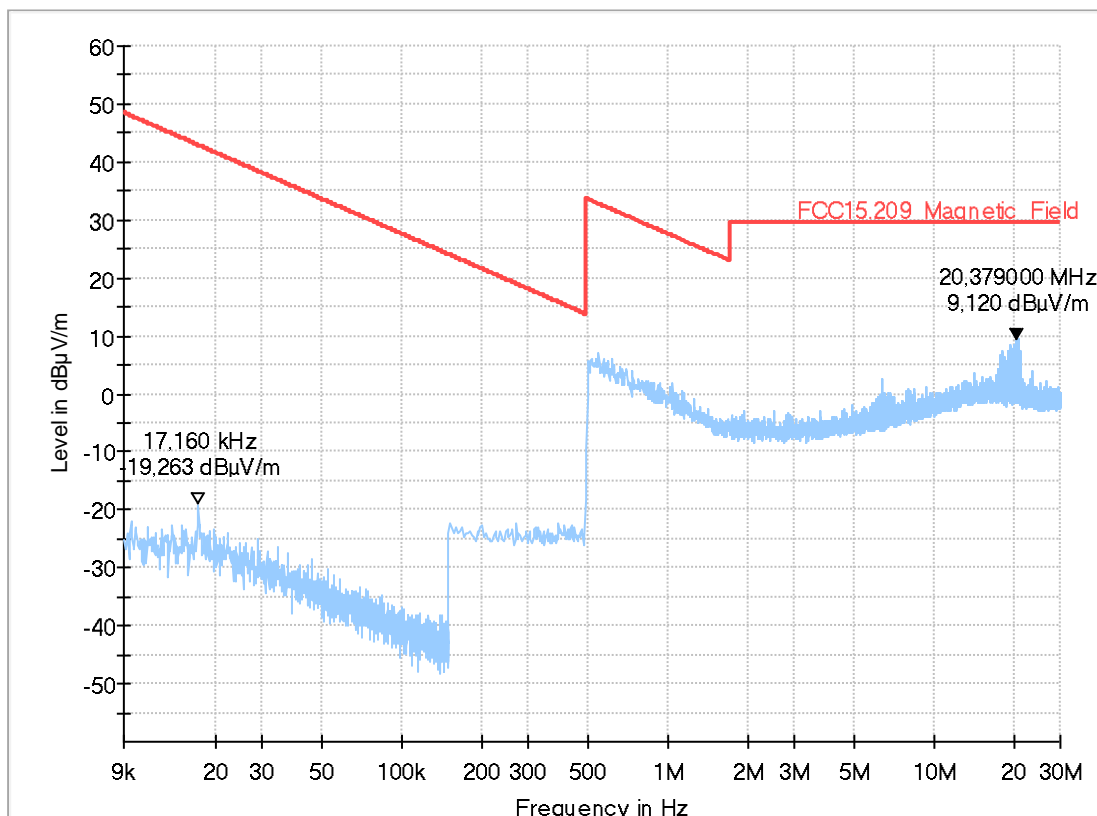
Test description:	Date: 22.12.2017 Page 1 of 3
Test site and distance:	Magnetic Field Strength Measurement related to 30/300 m distance
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V9.25.0
Technical Data:	used accord. table, pls. see test report
Rec. antenna (pre-scan):	Please see page 2 for detailed data of measurement setup
Used filter:	height 1.00 m, parallel and 90° to EUT polarisation
Test specification:	bypass
	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	TFR
Operating conditions:	Humidity: 48%rH; Temperature: 20°C
Power during tests:	12V DC
Comment 1:	Channel 512 , GPRS1900
Comment 2:	laying

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



1.3.1. Magnetic field emissions radiated (1900 MHz transmitting mode)-Backup-Antenna

2.04a_RSE_R_Ch810_GPRS_Standing

Common Information

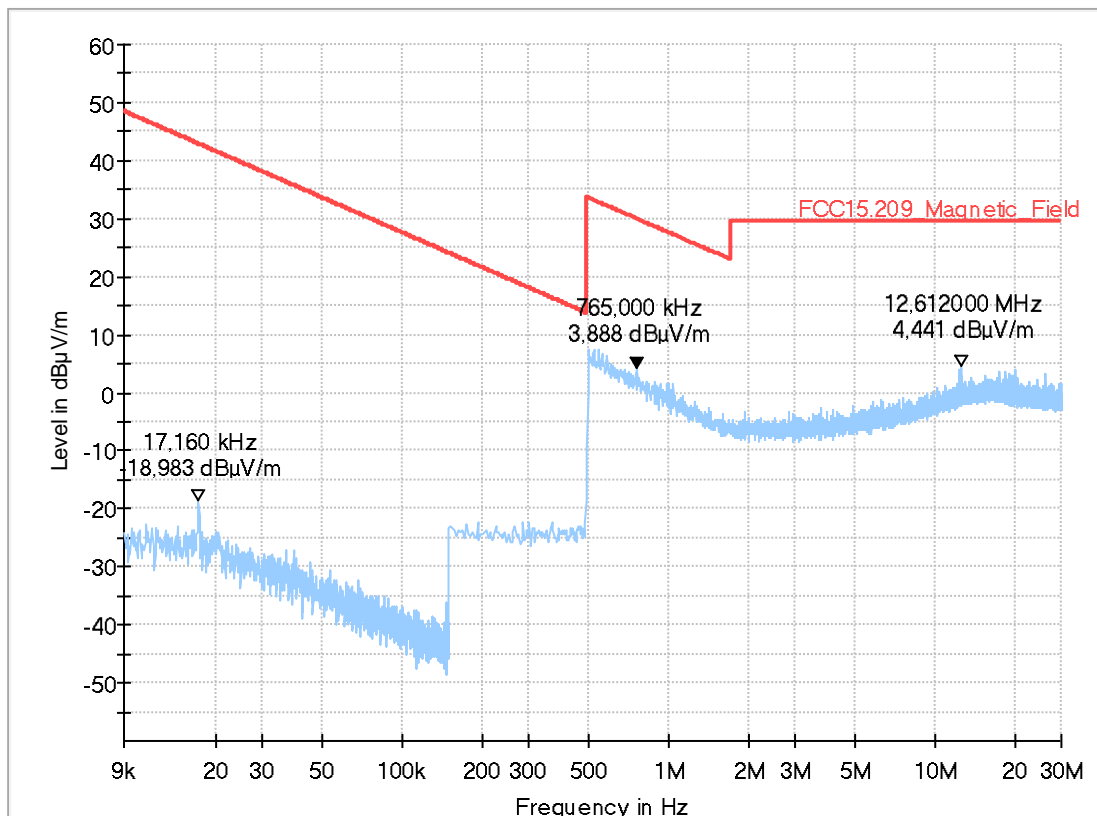
Test Description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction: used Distance correction:	used accord. table, pls. see test report
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 Name:	Klv
Operating conditions:	Humidity: 48%rH; Temperature: 20°C
Power during tests:	12V DC
Comment 1:	GSM1900
Comment 2:	standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-T1 (Sample 1035)

HW version:	202.009.004
SW version:	001.009.020
Serial number:	4363
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



2.04b_RSE_R_Ch810_GPRS_laying

Common Information

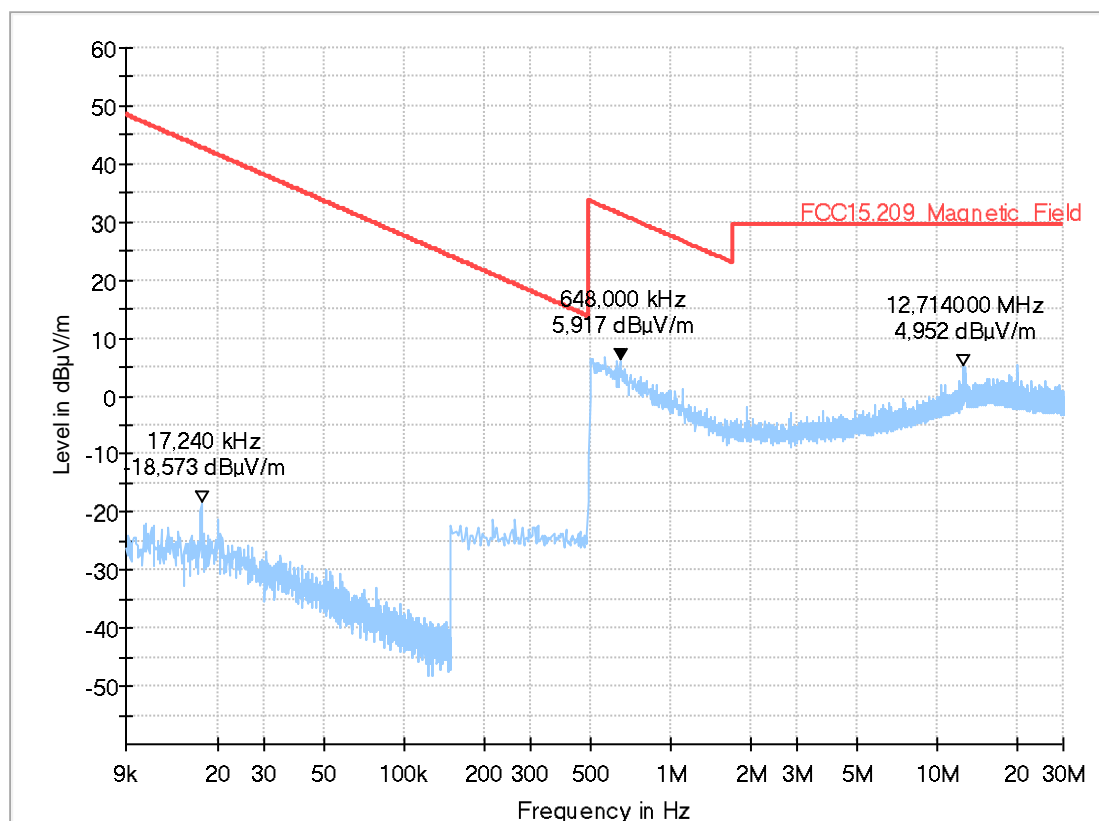
Test Description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction: used Distance correction:	used accord. table, pls. see test report
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 Name:	Klv
Operating conditions:	Humidity: 48%rH; Temperature: 20°C
Power during tests:	12V DC
Comment 1:	GSM1900
Comment 2:	laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-T1 (Sample 1035)

HW version:	202.009.004
SW version:	001.009.020
Serial number:	4363
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



1.4. Spurious emissions radiated (850 MHz transmitting mode)

Diagram No. 8.01_RSE_R_Ch192_GPRS

Common Information

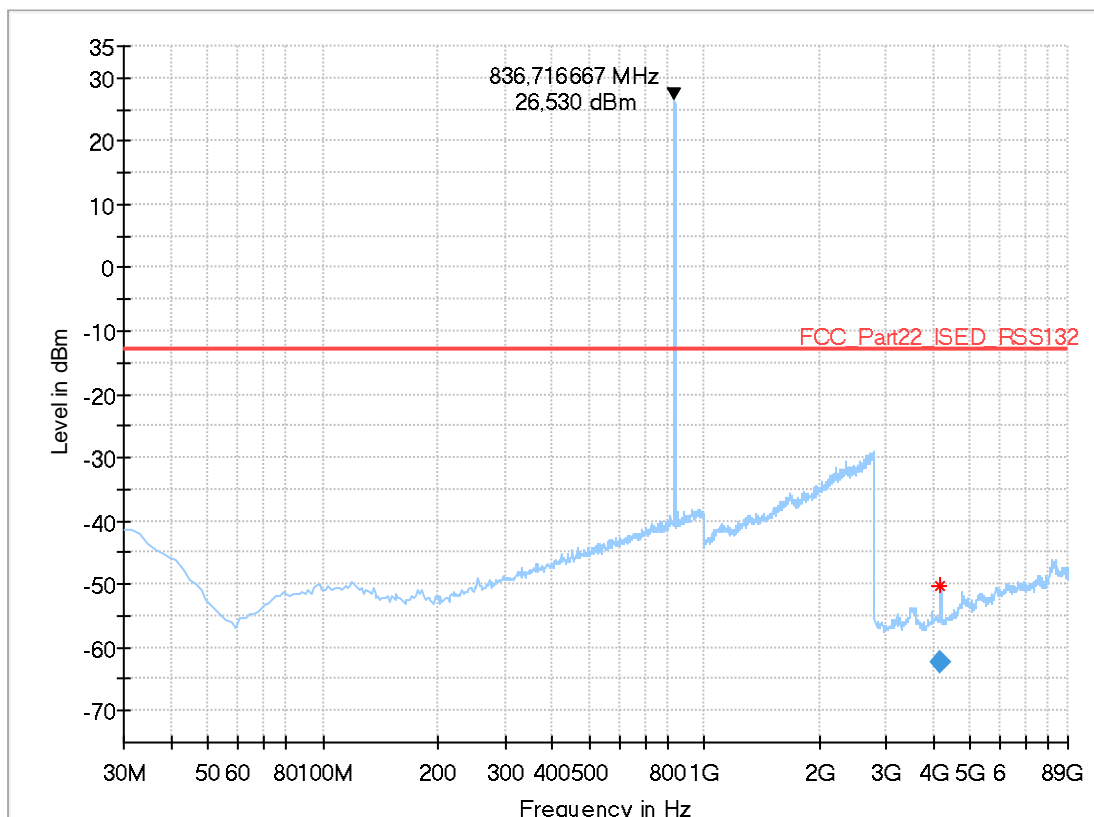
Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operating conditions:	Humidity: 48%rH; Temperature: 20°C
Operation mode:	GSM 850 ,CH:192
Operator Name:	HEI

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
4153.816667	-62.29	-13.00	49.29	1000.0	100.000	V	2.0	0.0	-93.4

1.4.1. Spurious emissions radiated (850 MHz transmitting mode)-Backup-Antenna**8.03_RSE_R_Ch128_GPRS****Common Information**

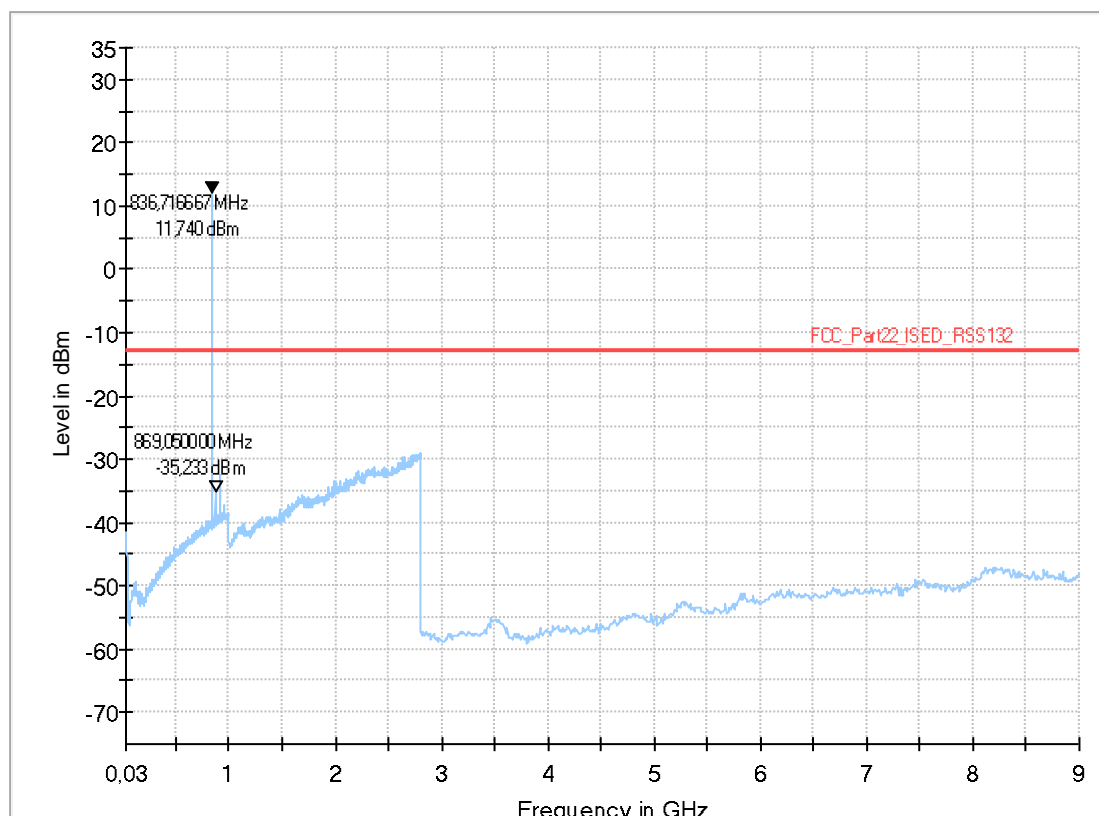
Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	GSM 850
Operator Name:	MBe
Comment:	Backup Antenna

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



1.5. Spurious emissions radiated (1900 MHz transmitting mode)

Diagram No. 8.02_RSE_R_Ch512_GPRS

Common Information

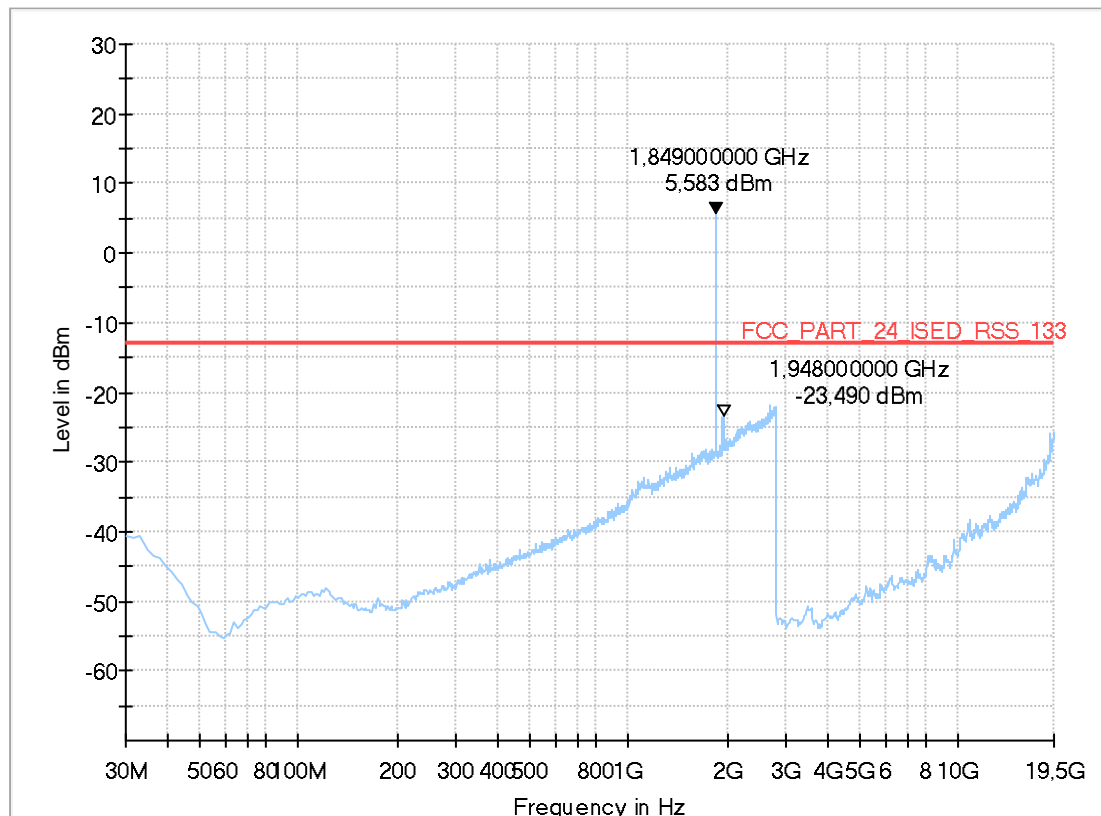
Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	TCH 1900, CHANNEL 512
Operator Name:	TFra

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
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**8.04_RSE_R_Ch810_GPRS****Common Information**

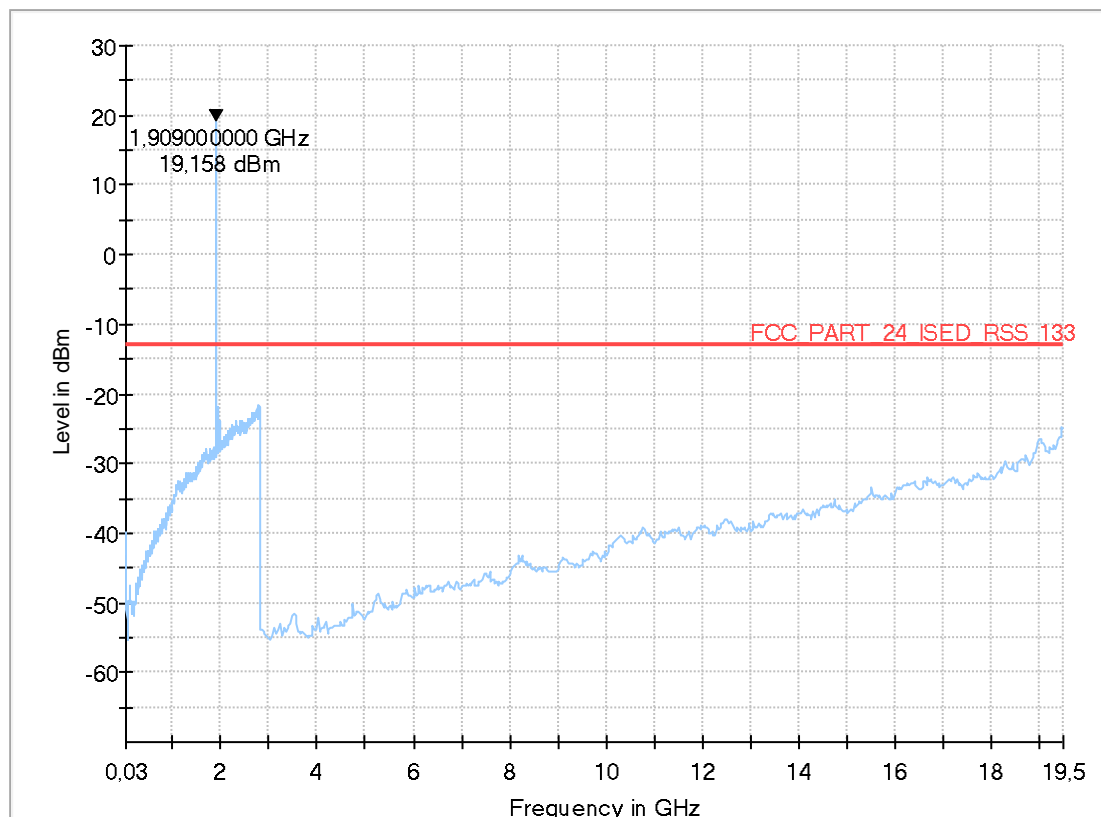
Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
Operation mode:	GPRS 1900
Operator Name:	MBe
Comment:	Backup Antenna

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



1.6. Radiated emissions on 850 MHz transmitting band-edge

Diagram No. 9.01_BE_R_Ch128_GPRS

Common Information

Test Description:	Radiated Band Edge Compliance GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917
Operating Mode:	MS allocated channel 128 (fc = 824.2MHz), Voice, PCL5 (+33dBm)
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	HEI

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum

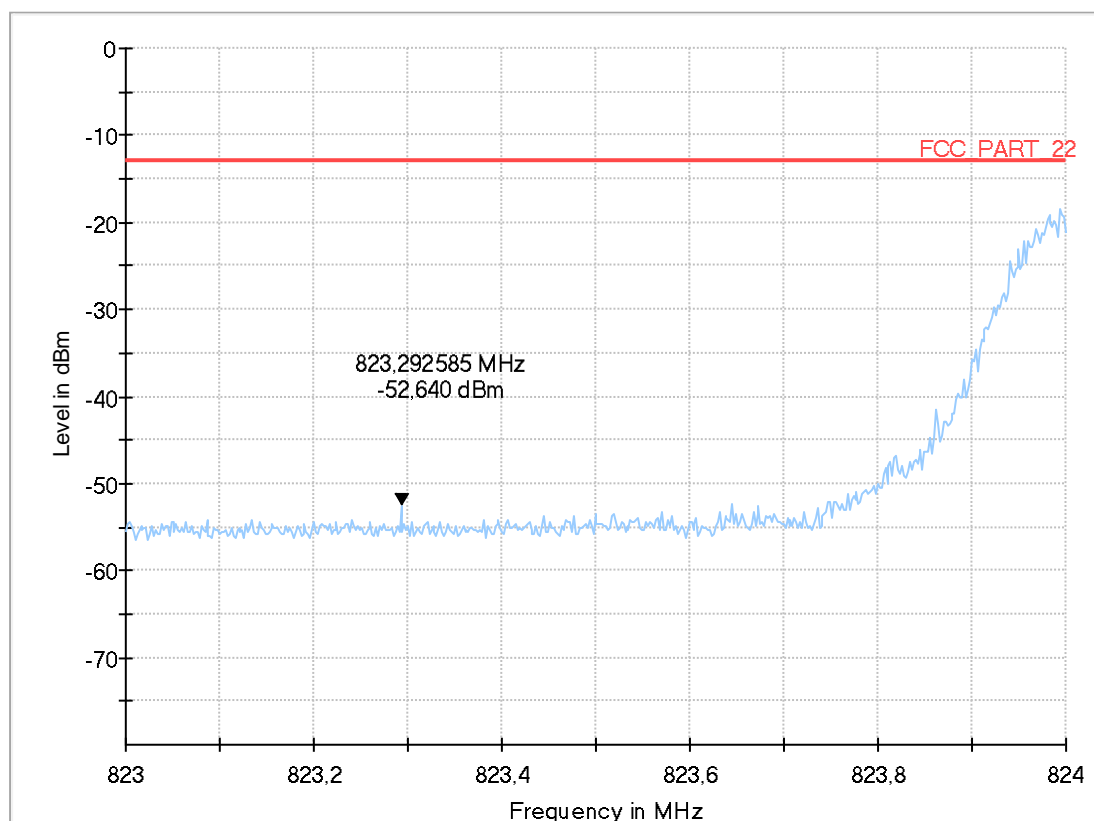


Diagram No. 9.02_BE_R_Ch251_GPRS

Common Information

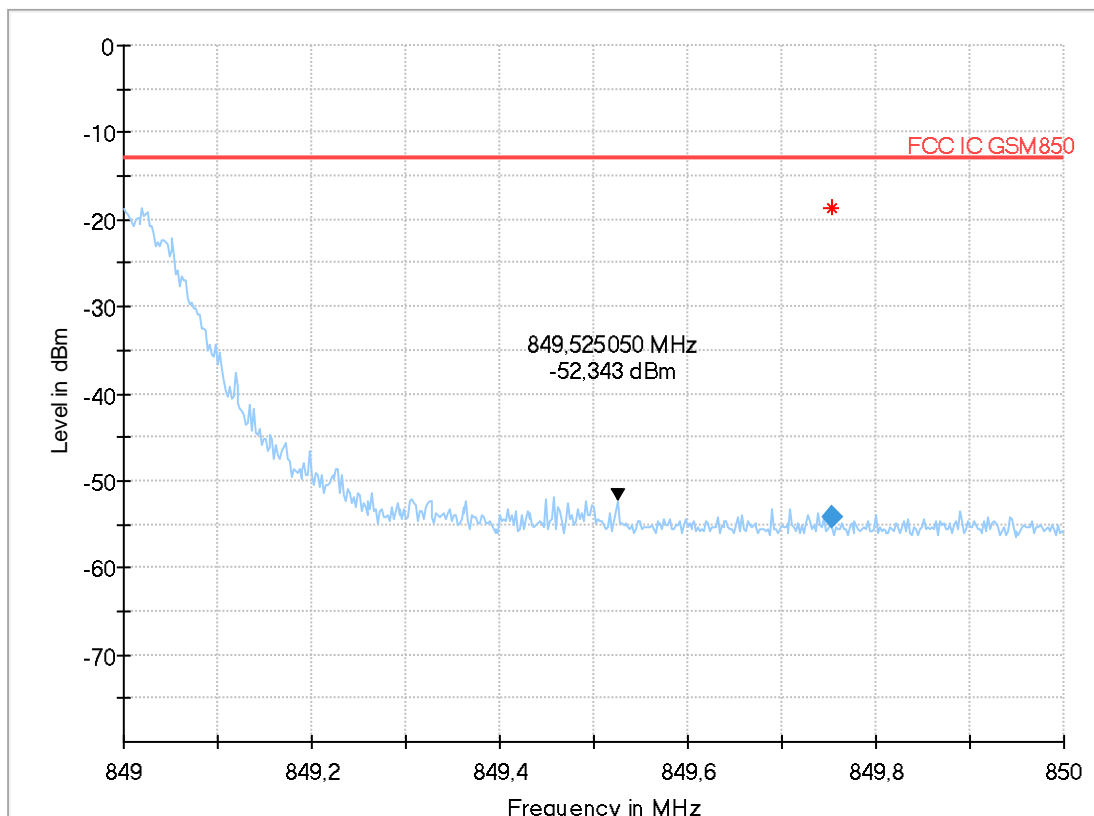
Test Description:	Radiated Band Edge Compliance GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917
Operating Mode:	MS allocated channel 251 (fc = 848.8MHz), Voice, PCL0 (+33dBm)
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: __%RH; Temperature: __°C
Operator:	

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
849.753507	-54.17	-13.00	41.17	10000.0	155.0	V	-32.0	90.0	-76.0

1.6.1. Radiated emissions on 850 MHz transmitting band-edge-Backup-Antenna

9.05_BE_R_Ch128_GPRS

Common Information

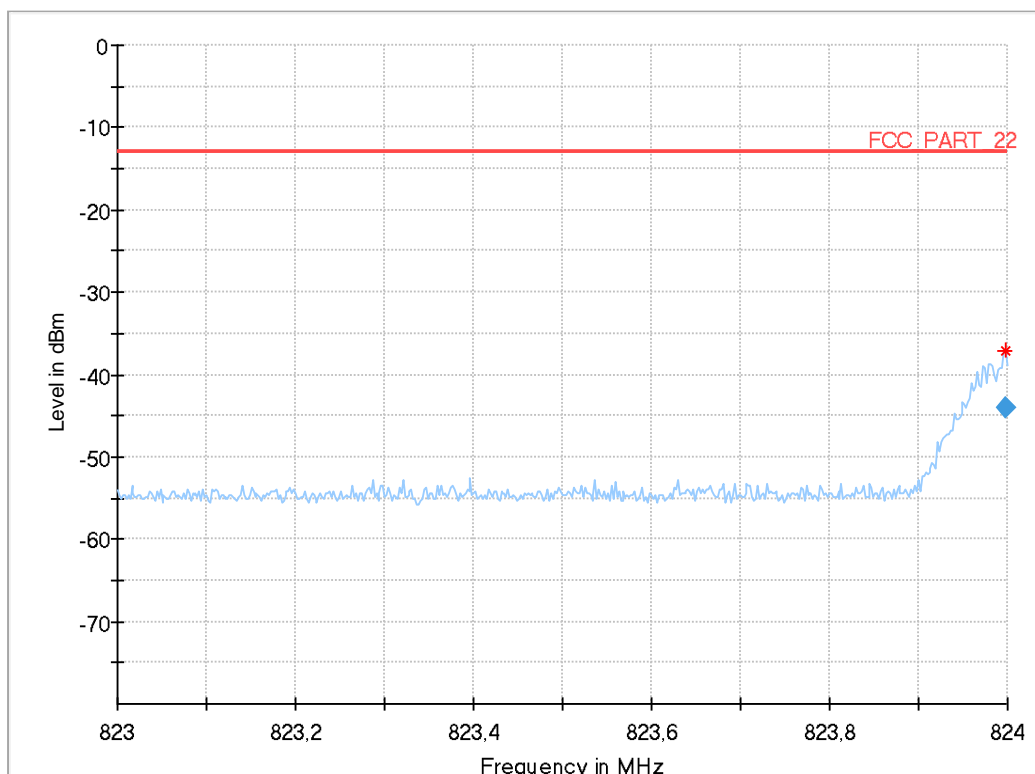
Test Description:	Radiated Band Edge Compliance GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917
Operating Mode:	MS allocated channel 128 (fc = 824.2MHz), Voice, PCL5 (+33dBm)
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 50%rH; Temperature: 25°C
Operator:	MBe Backup Antenna

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



Final Result

Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
823.997996	-13.00	31.01	10000.0	V	180.0	0.0	-75.8

9.06_BE_R_Ch251_GPRS

Common Information

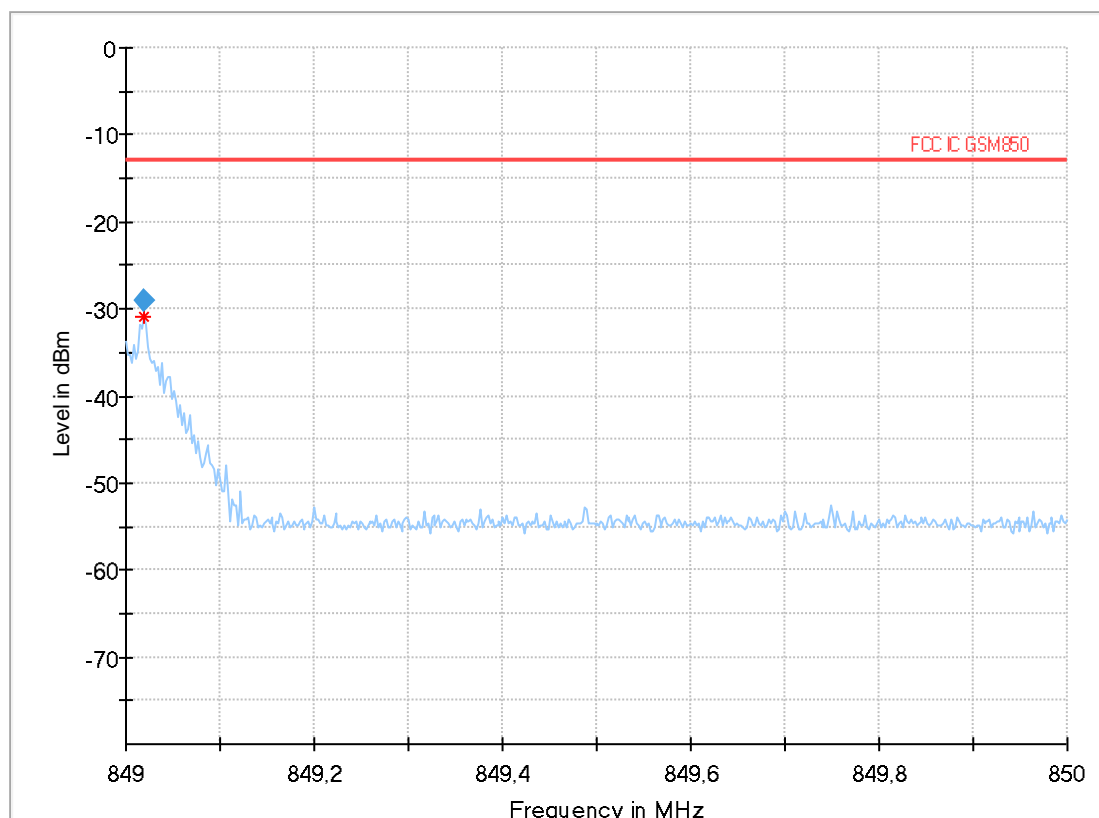
Test Description:	Radiated Band Edge Compliance GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917
Operating Mode:	MS allocated channel 251 (fc = 848.8MHz), Voice, PCL0 (+33dBm)
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 48%rH; Temperature: 20°C
Operator:	MBe Backup Antenna

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



Final Result

Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
849.020040	-13.00	16.05	10000.0	H	-15.0	0.0	-76.0

1.7. Radiated emissions on 1900 MHz transmitting band-edge

Diagram No. 9.07_BE_R_Ch512_GPRS

Common Information

Test Description:	Radiated Band Edge Compliance GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917
Operating Mode:	MS allocated channel 512 (fc = 824.2MHz), Voice, PCL5 (+33dBm)
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	TFra

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum

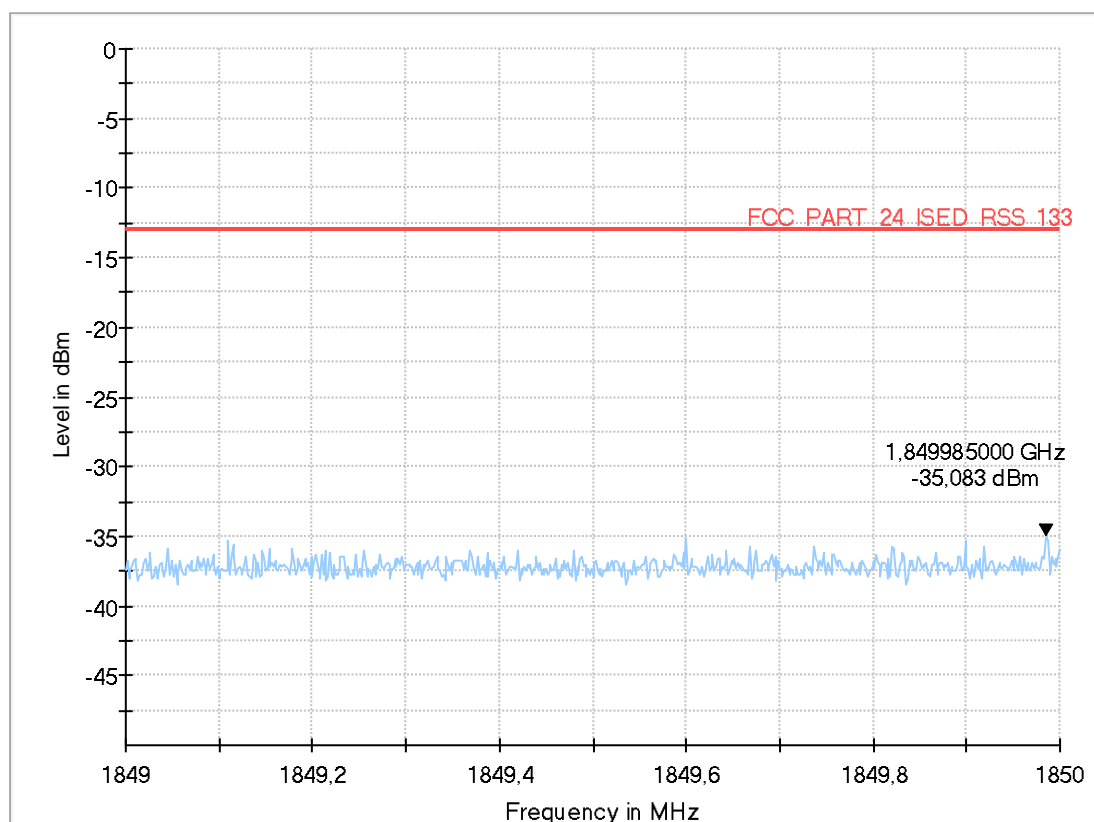


Diagram No. 9.08_BE_R_Ch810_GPRS

Common Information

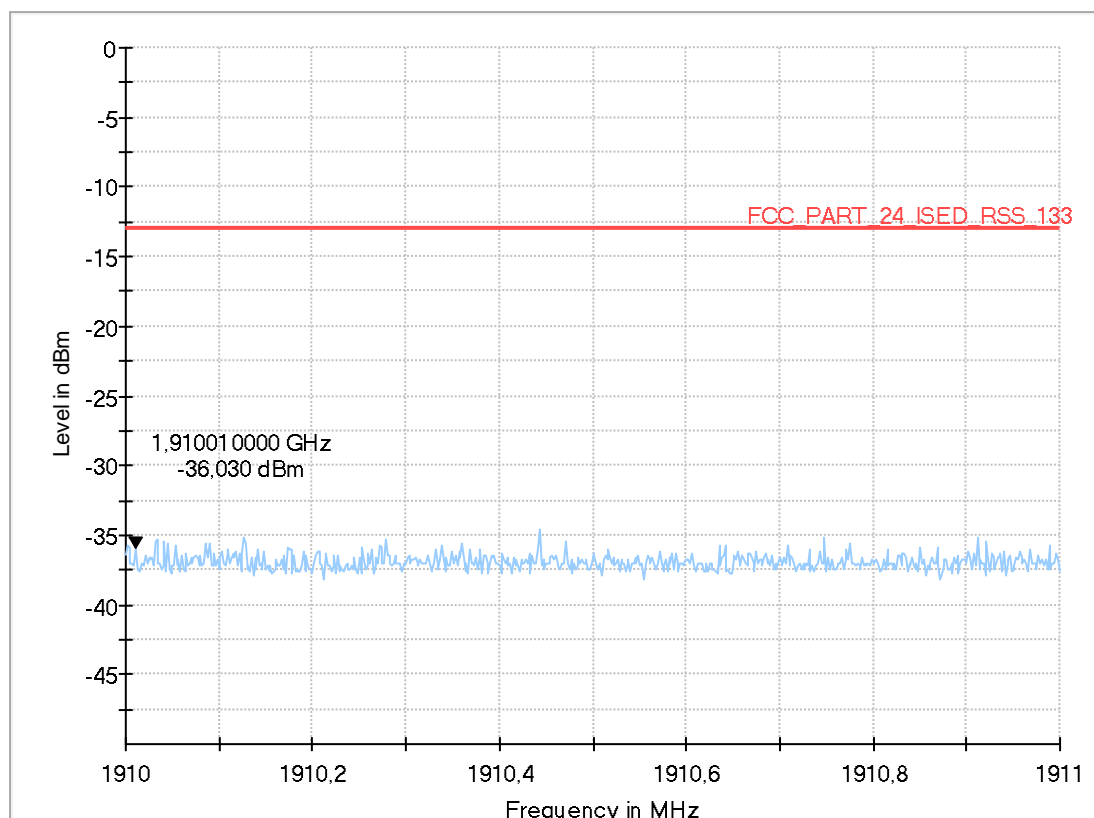
Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part24.238
Test Case:	-
Operating Mode:	MS allocated UL channel 810
Exclusionband:	1850 - 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	TFra

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



1.7.1. Radiated emissions on 1900 MHz transmitting band-edge-Backup-Antenna**9.09_BE_R_Ch512_GPRS****Common Information**

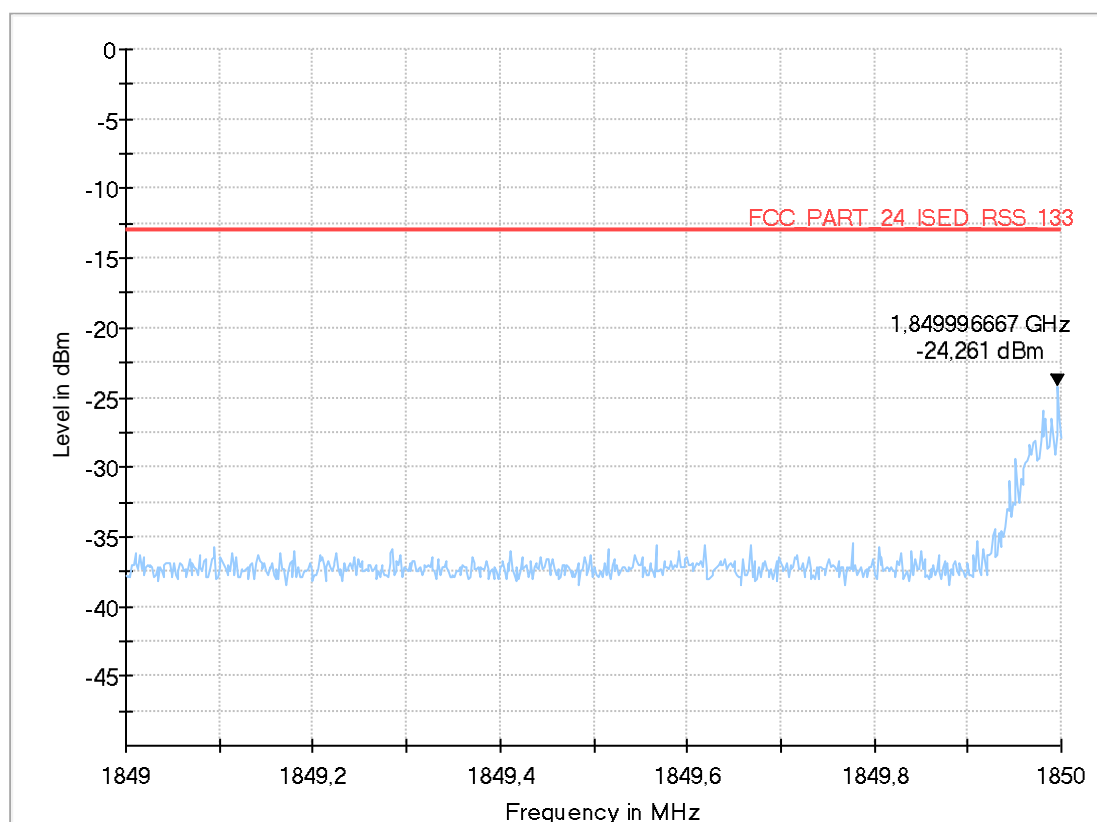
Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 50%rH; Temperature: 20°C
Operator:	MBe Backup antenna

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum



9.10_BE_R_Ch810_GPRS

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 810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	MBe Backup antenna

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG a valeo Brand
EUT:	ATM-02-ROW-R1 (Sample 1030)

HW version:	103.004.004
SW version:	001.009.020
Serial number:	4355
Connected Interfaces:	Antenna (65206826326-03) + EMC Control Unit
Power Supply:	12VDC
Comments:	-

Full Spectrum

