

Annex 1: Measurement diagrams to
TEST REPORT
 No.: 16-1-0001901T62a-A1

According to:
FCC Regulations
 Part 22, Part 24, Part 27

for

peiker acoustic GmbH

Telematic Device
 ATM-02-ROW-T1

FCC: QWY-ATM2-T-13







Laboratory Accreditation and Listings			
 <p>DAkKS Deutsche Akkreditierungsstelle D-PL-12047-01-01</p>	 <p>FEDERAL COMMUNICATIONS COMMISSION FCC U.S.A. MRA US-EU 0003</p>	 <p>Industry Canada Reg. No.: 3462D-2 Reg. No.: 3462D-3</p>	 <p>Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301</p>
 <p>WiFi ALLIANCE AUTHORIZED RF LABORATORY</p>	 <p>ctia Authorized Test Lab Lab Code: 20011130-00</p>		
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Table of contents

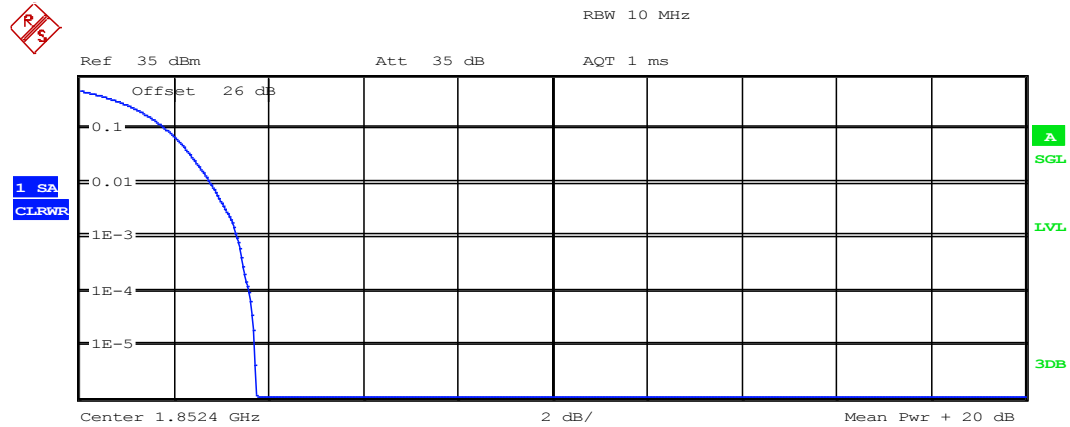
1. MEASUREMENT DIAGRAMS.....	3
1.1. Peak power output and PAPR-Value	3
1.2. Magnetic field emissions radiated (FDD Band II and V transmitting mode)	7
1.3. Spurious emissions radiated (FDD Band II transmitting mode)	11
1.4. Radiated emissions on FDD Band II band-edge	19
1.5. Radiated emissions on FDD Band V band-edge.....	27

1. Measurement diagrams

1.1. Peak power output and PAPR-Value

1.1.1. FDD Band II

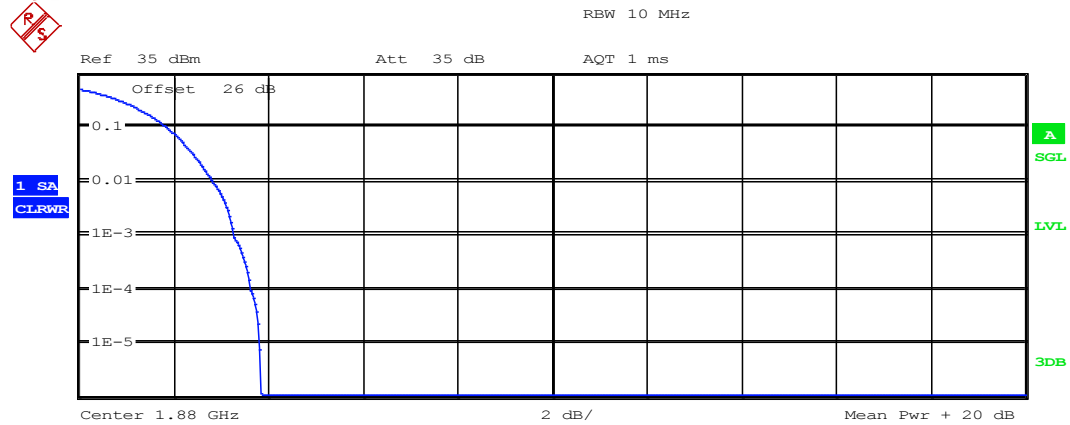
Diagram CCDF_Ch_9262



Complementary Cumulative Distribution Function (32000 samples)

Trace 1	
Mean	20.85 dBm
Peak	24.57 dBm
Crest	3.72 dB
10 %	1.83 dB
1 %	2.76 dB
.1 %	3.33 dB
.01 %	3.59 dB

Diagram CCDF_Ch_9400



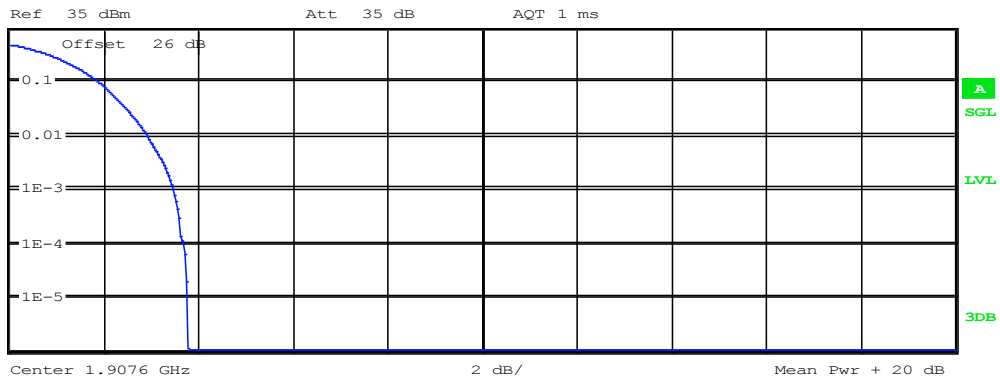
Complementary Cumulative Distribution Function (32000 samples)

Trace 1	
Mean	21.17 dBm
Peak	24.99 dBm
Crest	3.82 dB
10 %	1.83 dB
1 %	2.79 dB
.1 %	3.27 dB
.01 %	3.62 dB

Diagram CCDF_Ch_9538



REW 10 MHz

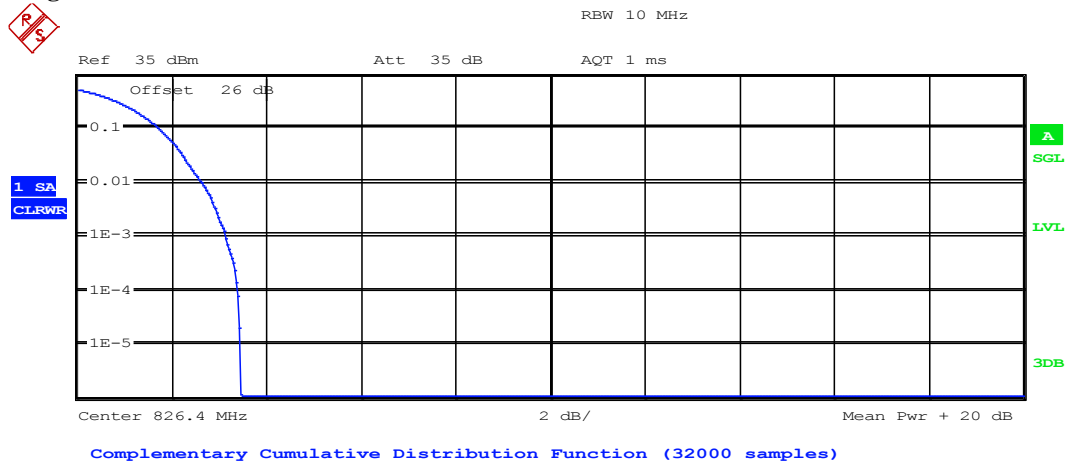


Complementary Cumulative Distribution Function (32000 samples)

	Trace 1
Mean	20.46 dBm
Peak	24.22 dBm
Crest	3.76 dB
10 %	1.86 dB
1 %	2.92 dB
.1 %	3.46 dB
.01 %	3.69 dB

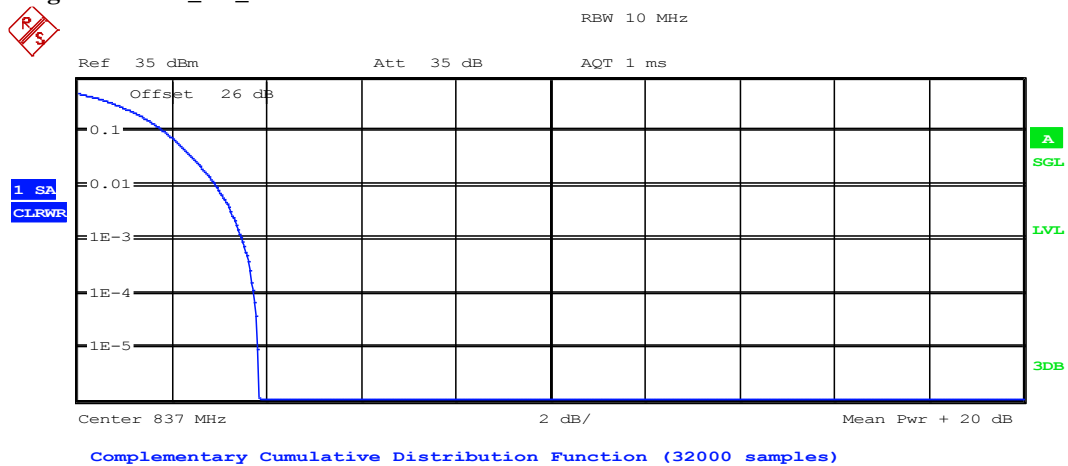
1.1.2. FDD Band V

Diagram CCDF_Ch_4132



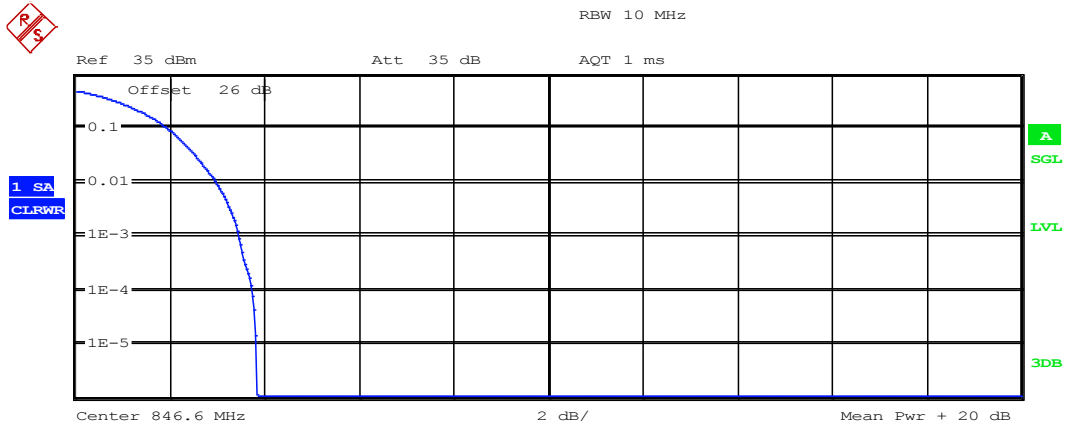
Trace 1	
Mean	21.49 dBm
Peak	24.92 dBm
Crest	3.43 dB
10 %	1.70 dB
1 %	2.60 dB
.1 %	3.14 dB
.01 %	3.40 dB

Diagram CCDF_Ch_4185



Trace 1	
Mean	21.53 dBm
Peak	25.35 dBm
Crest	3.82 dB
10 %	1.83 dB
1 %	2.92 dB
.1 %	3.46 dB
.01 %	3.72 dB

Diagram CCDF_Ch_4233



Complementary Cumulative Distribution Function (32000 samples)

	Trace 1
Mean	21.59 dBm
Peak	25.42 dBm
Crest	3.82 dB
10 %	1.92 dB
1 %	2.95 dB
.1 %	3.46 dB
.01 %	3.72 dB

1.2. Magnetic field emissions radiated (FDD Band II and V transmitting mode) 2.01a_RSE_R_Ch9262_RMC_Standing

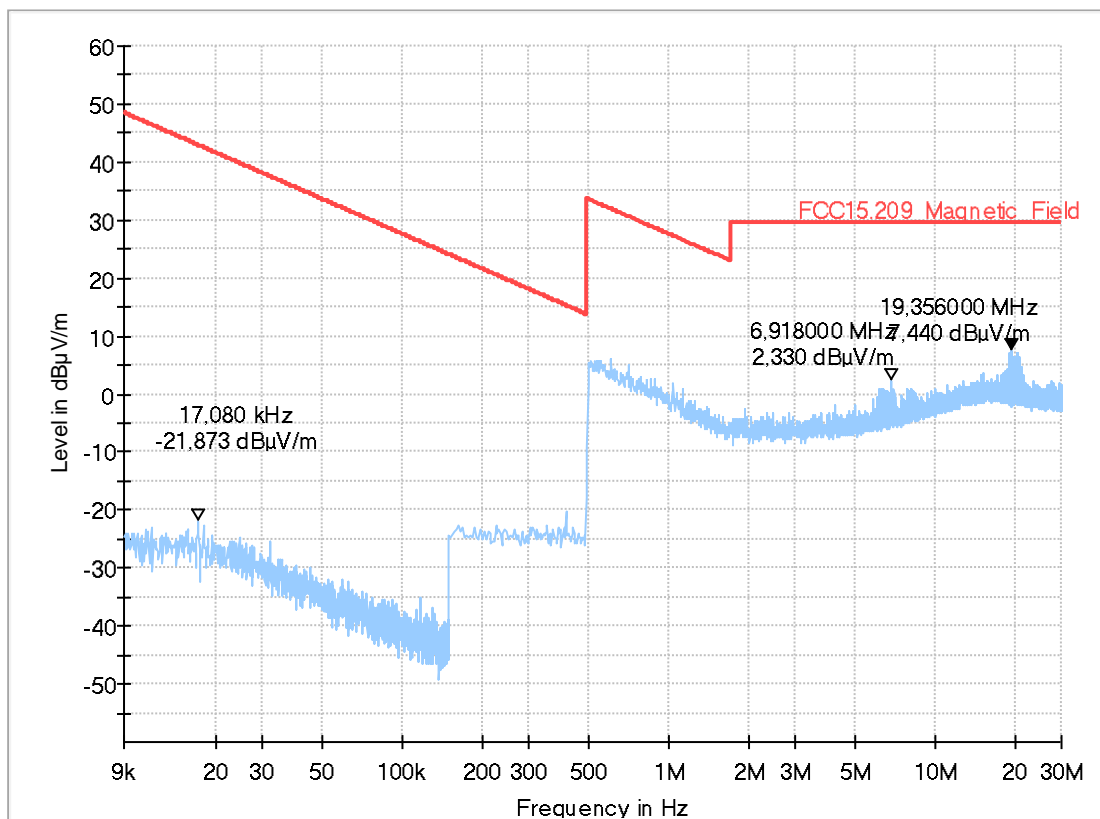
Date:	23.12.2017	Page 1 of 1
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	EMC32 V9.25.0	
Distance correction:	used accord. table, pls. see test 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:	HEI	
Operating conditions:	Humidity: 48%rH; Temperature: 20°C	
Power during tests:	12V DC	
Comment 1:	Channel 9262, UMTS_Band 2	
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



2.01b_RSE_R_Ch9262_RMC_laying

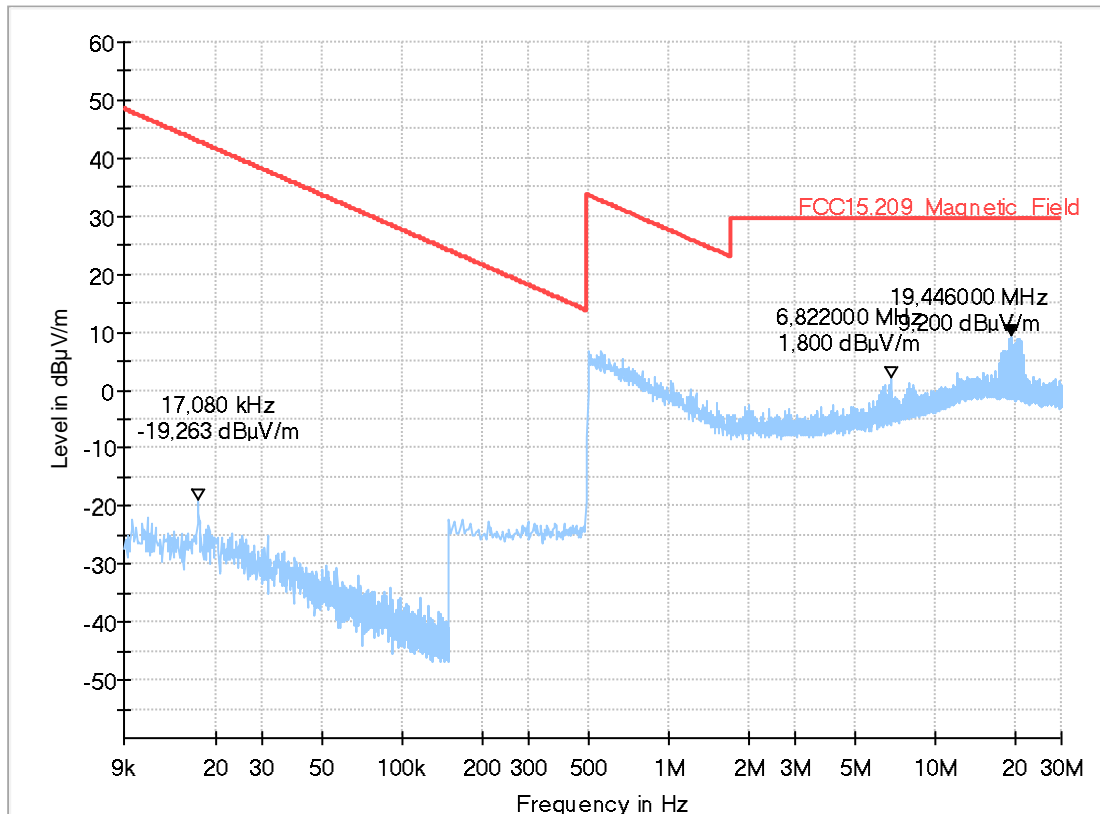
Date:	23.12.2017	Page 1 of 2
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	EMC32 V9.25.0	
Distance correction:	used accord. table, pls. see test 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:	HEI	
Operating conditions:	Humidity: 48%rH; Temperature: 20°C	
Power during tests:	12V DC	
Comment 1:	Channel 9262 , UMTS_Band 5	
Comment 2:	laying	

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



2.02a_RSE_R_Ch4132_RMC_Standing

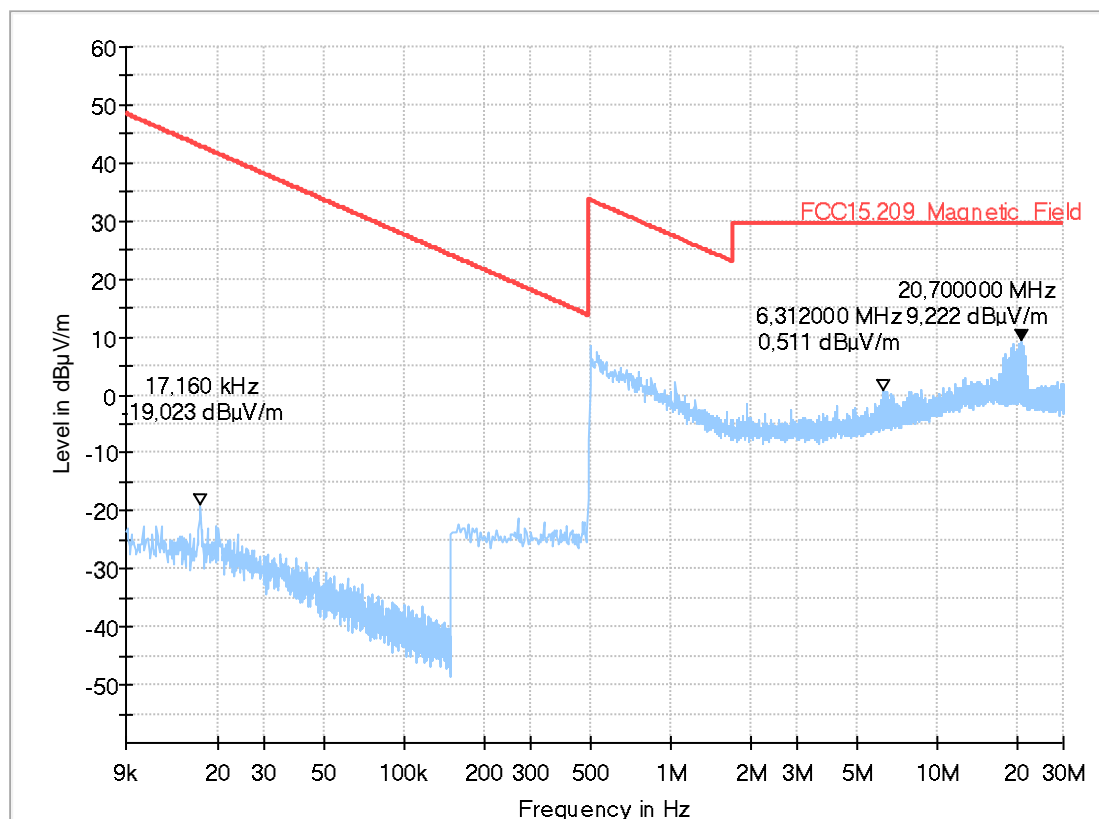
Date:	23.12.2017	Page 1 of 1
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	EMC32 V9.25.0	
Distance correction:	used accord. table, pls. see test 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:	HEI	
Operating conditions:	Humidity: 48%rH; Temperature: 20°C	
Power during tests:	12V DC	
Comment 1:	Channel 4132, UMTS_Band 5	
Comment 2:	laying	

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



2.02b_RSE_R_Ch4132_RMC_Laying

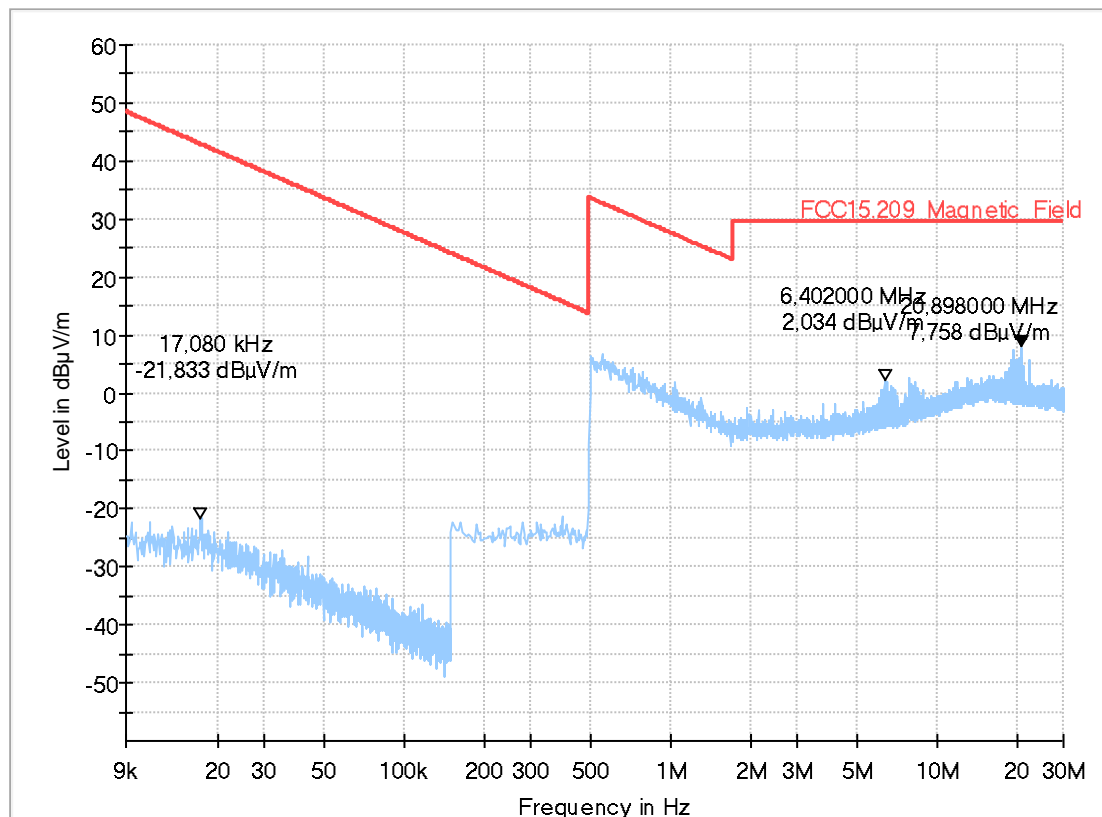
Date:	23.12.2017	Page 1 of 1
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	EMC32 V9.25.0	
Distance correction:	used accord. table, pls. see test 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:	HEI	
Operating conditions:	Humidity: 48%rH; Temperature: 20°C	
Power during tests:	12V DC	
Comment 1:	Channel 4132, UMTS_Band 5	
Comment 2:	laying	

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



1.3. Spurious emissions radiated (FDD Band II transmitting mode)

1.3.1. Radiated emissions on FDD Band II - Main Antenna

8.01a_RSE_R_Ch9262_RMC_Standing

Common Information

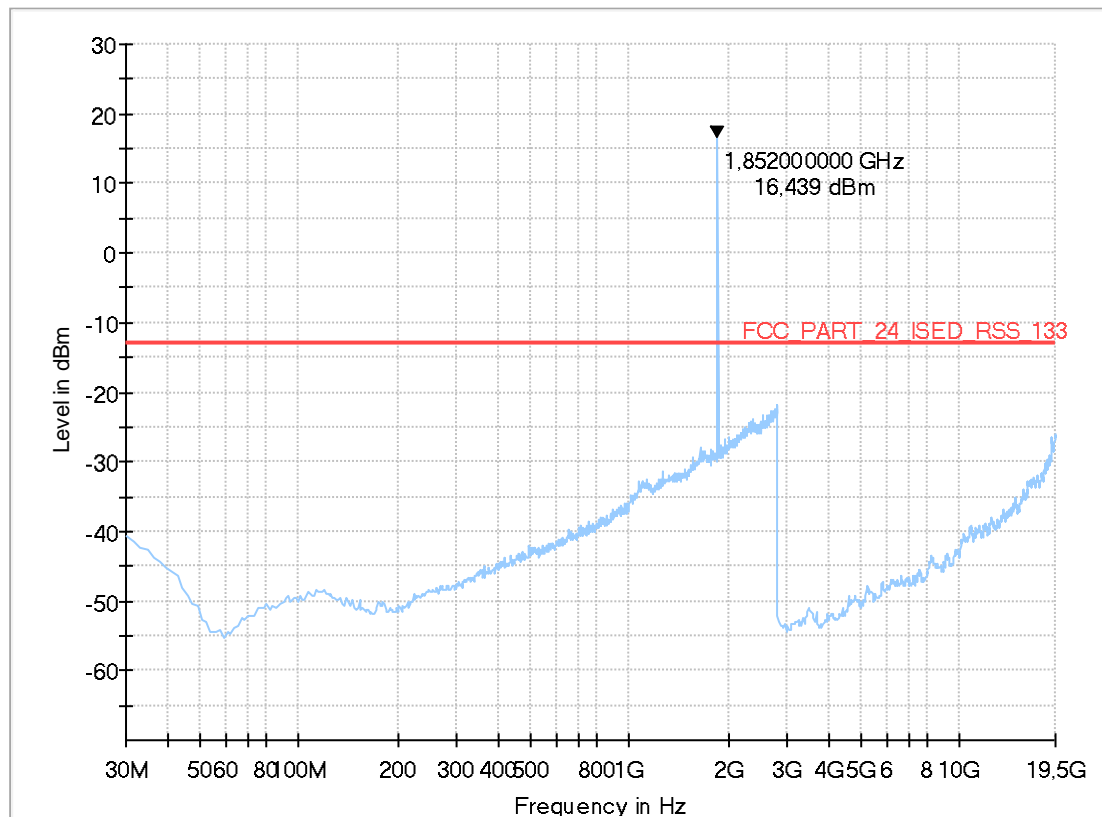
Test Description:	Radiated Spurious Emissions UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR) - EMC32 V9.26.0
Test Standard:	ETSI EN301908-1
Test Case:	TC4.2.2 TCH
Operating Mode:	UE allocated channel 9262 ($f_c = 1.852\text{GHz}$)
Exclusion Band:	$f_c - 12.5\text{MHz} < f < f_c + 12.5\text{MHz}$
Environmental Conditions:	Humidity: 50%rH; Temperature: 19.8°C
Operator:	SLO
Comment:	DUT 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



8.01b_RSE_R_Ch9262_RMC_laying

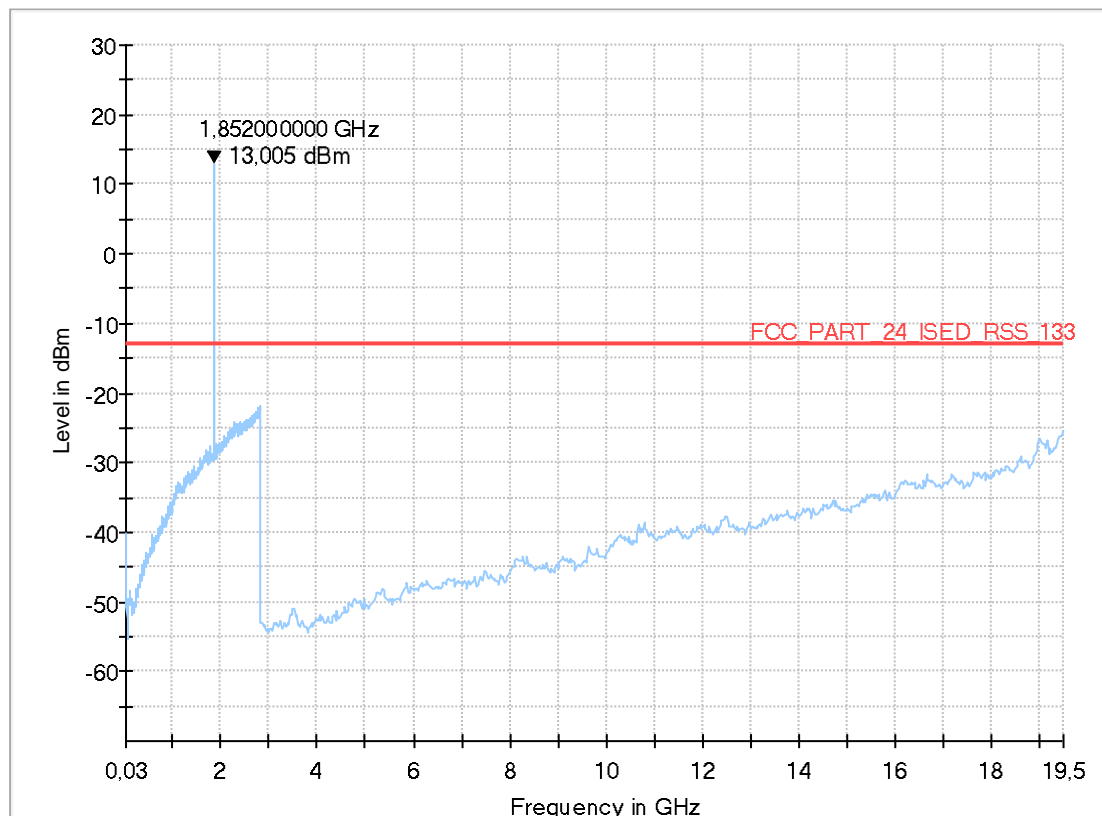
Common Information

Test Description:	Radiated Spurious Emissions UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR) - EMC32 V9.26.0
Test Standard:	ETSI EN301908-1
Test Case:	TC4.2.2 TCH
Operating Mode:	UE allocated channel 9262 (fc = 1.852GHz)
Exclusion Band:	fc-12.5MHz < f < fc+12.5MHz
Environmental Conditions:	Humidity: 50%rH; Temperature: 19.8°C
Operator:	SLo
Comment:	DUT Laying

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



1.3.2. Radiated emissions on FDD Band II- Backup Antenna

8.02a_RSE_R_Ch9538_RMC_Standing

Common Information

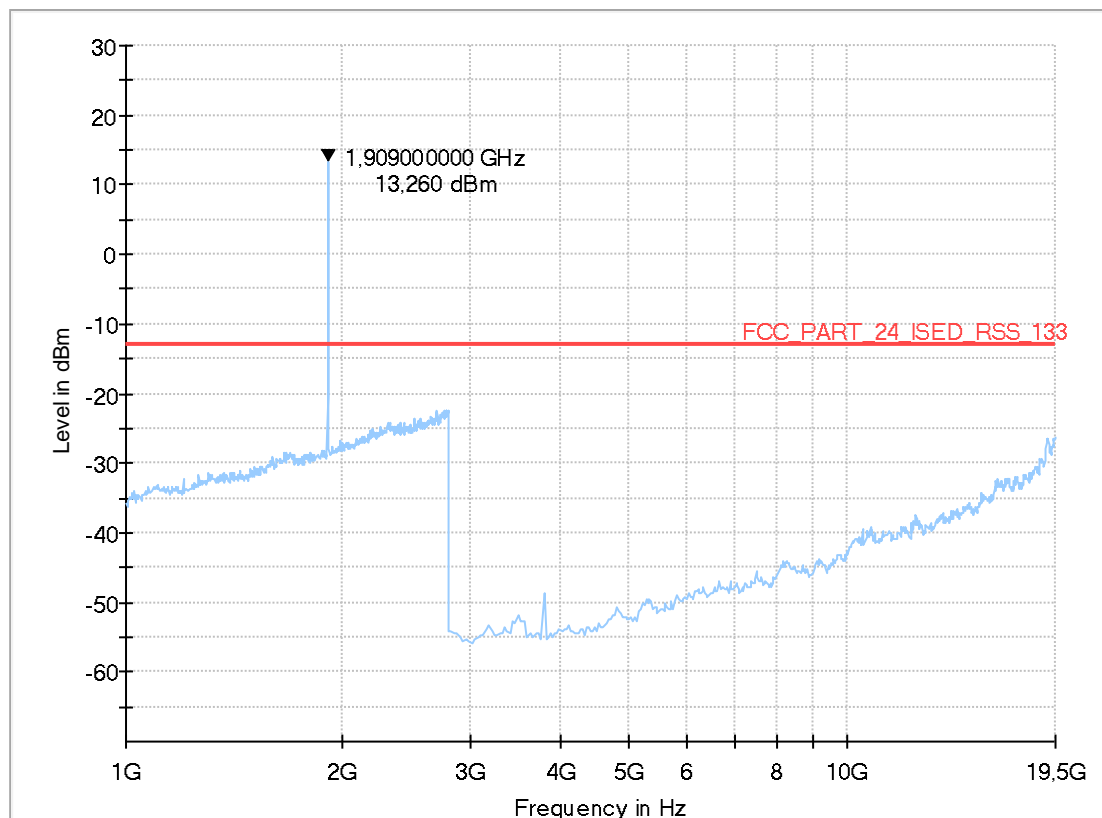
Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
EUT:	ATM02_ROW_R1
Operation mode:	UMTSFDDII CH. 9538
Operating conditions:	Humidity: 30%RH; Temperature: 20°C
Operator Name:	HEI
Comment:	Backup Antenna

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



8.02b_RSE_R_Ch9538_RMC_laying

Common Information

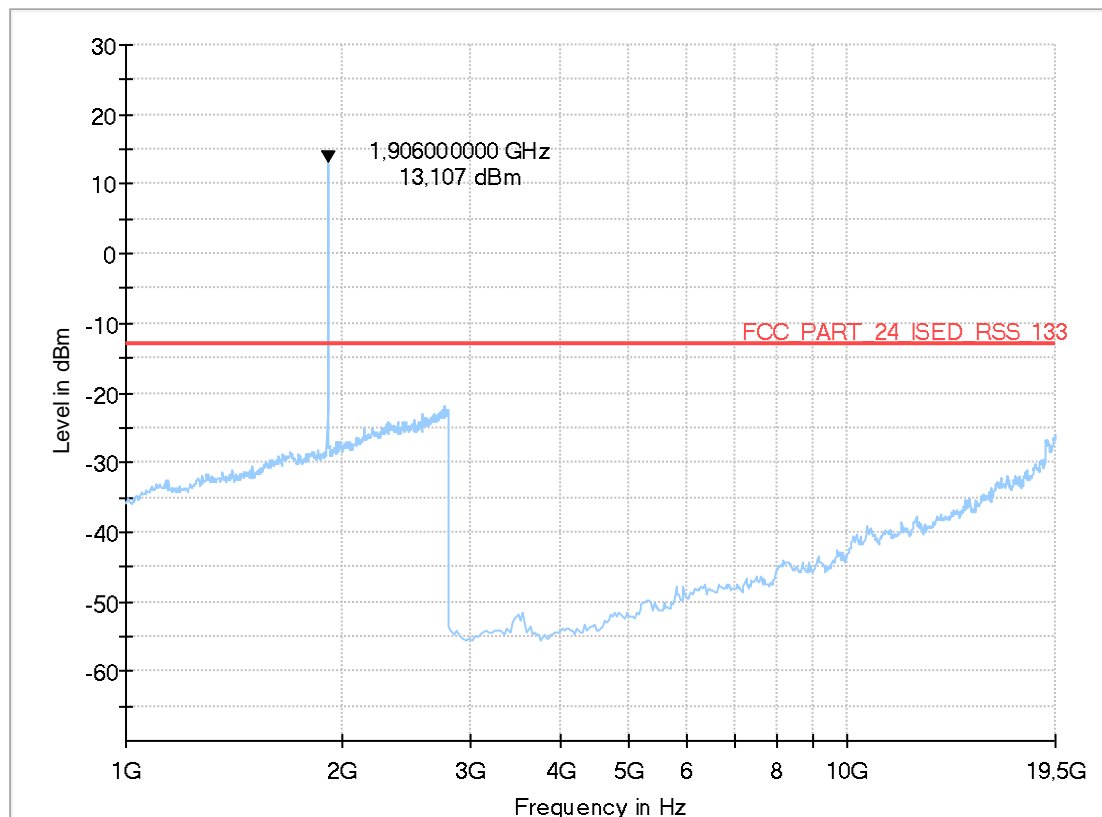
Test Description:	Radiated emission related to 1m
Test Site:	FAR
Test Standard:	FCC FCC Part 24.238 Broadband PCS
Antenna polarisation:	vertical / horizontal
EUT:	ATM02_ROW_R1
Operation mode:	UMTSFDDII CH. 9538
Operating conditions:	Humidity: 30%RH; Temperature: 20°C
Operator Name:	HEI
Comment:	Backup Antenna

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



1.3.3 Radiated emissions on FDD Band V - Main Antenna

8.03a_RSE_R_Ch4132_RMC_Standing

Common Information

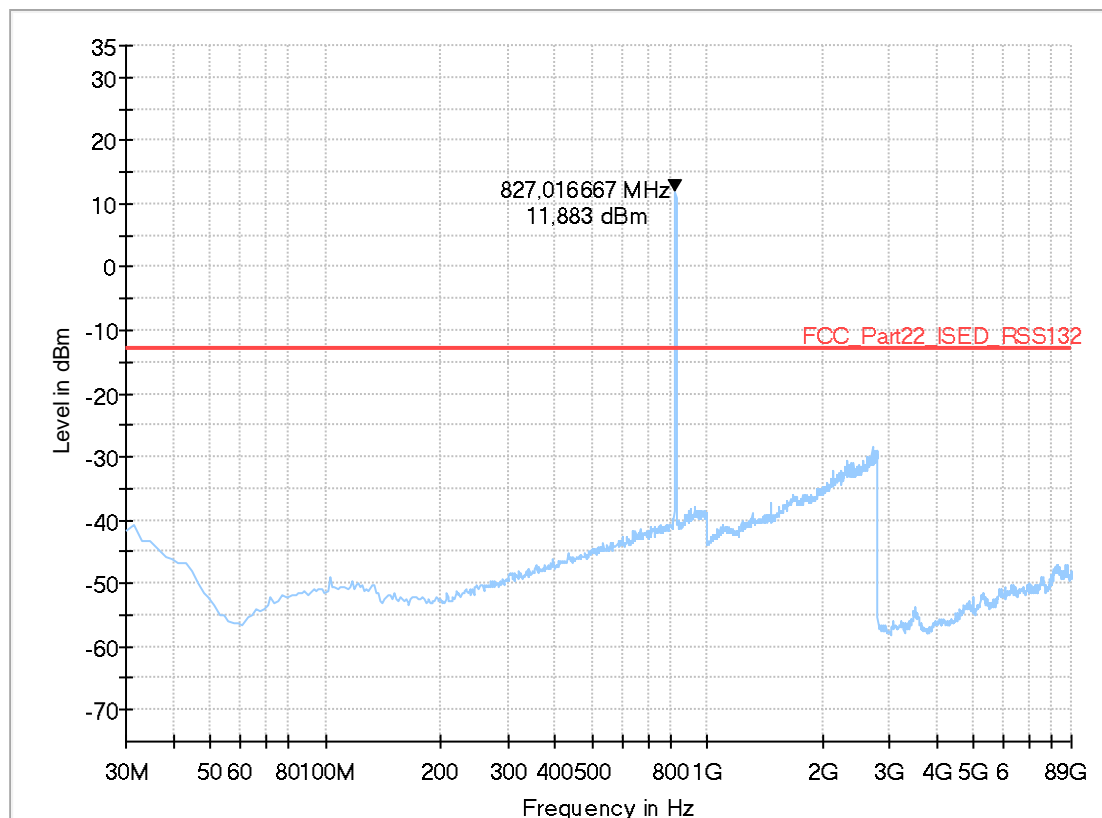
Test Description:	Radiated Emissions UMTS FDD V
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917
Operating Mode:	channel 4132
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 50%rH; Temperature: 19.8°C
Operator:	HEI
Comment:	DUT 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



8.03b_RSE_R_Ch4132_RMC_Laying

Common Information

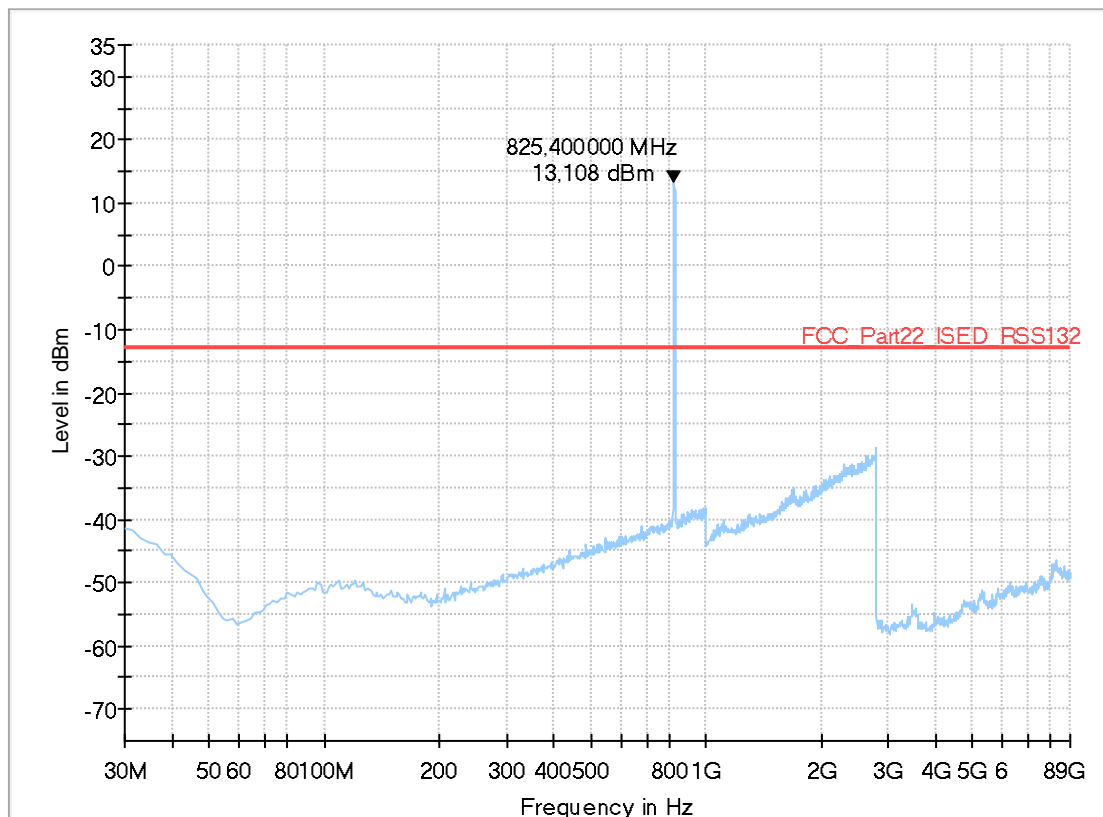
Test Description:	Radiated Emissions UMTS FDD V
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917
Operating Mode:	channel 4132
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 50%rH; Temperature: 19.8°C
Operator:	HEI
Comment:	DUT Laying

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



1.3.3. Radiated emissions on FDD Band V- Backup Antenna

8.04a_RSE_R_Ch4233_RMC_Standing

Common Information

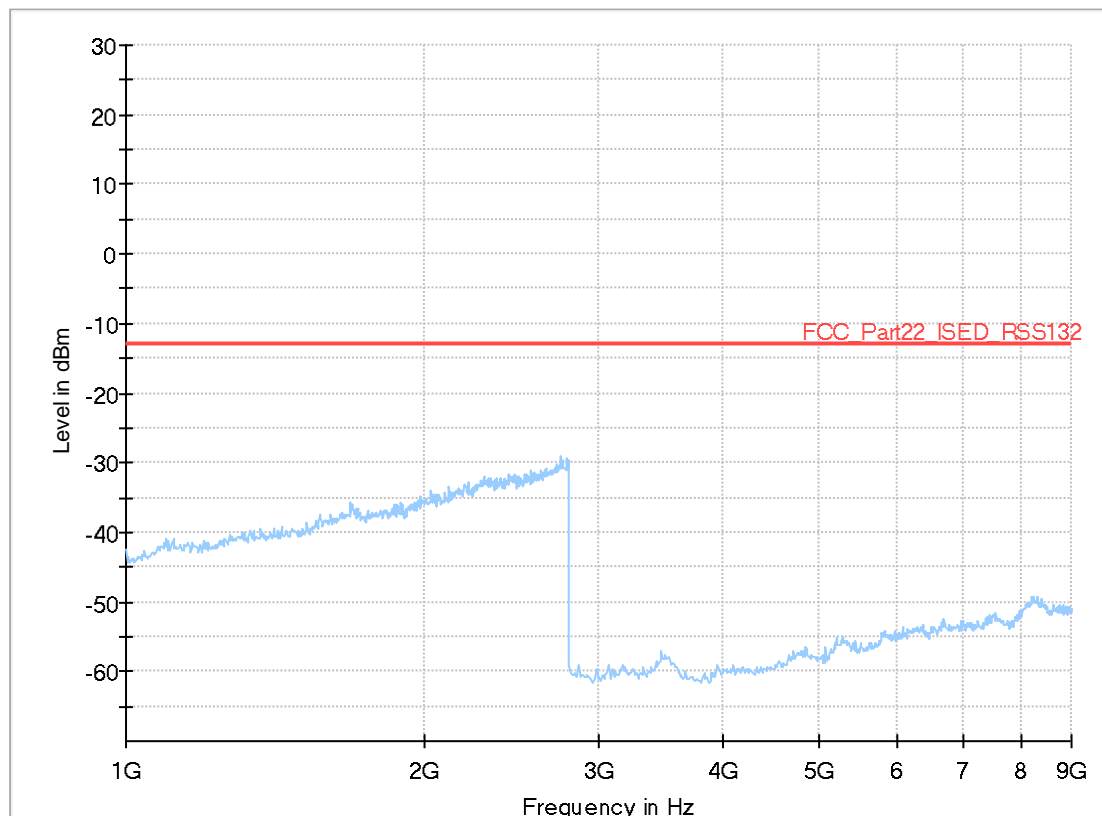
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	Fully Anechoic Room (FAR)
Antenna polarisation:	vertical / horizontal
Operation mode:	UMTSV_Ch4233
Operator Name:	HEI
Comment:	Backup Antenna

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



8.04b_RSE_R_Ch4233_RMC_Laying

Common Information

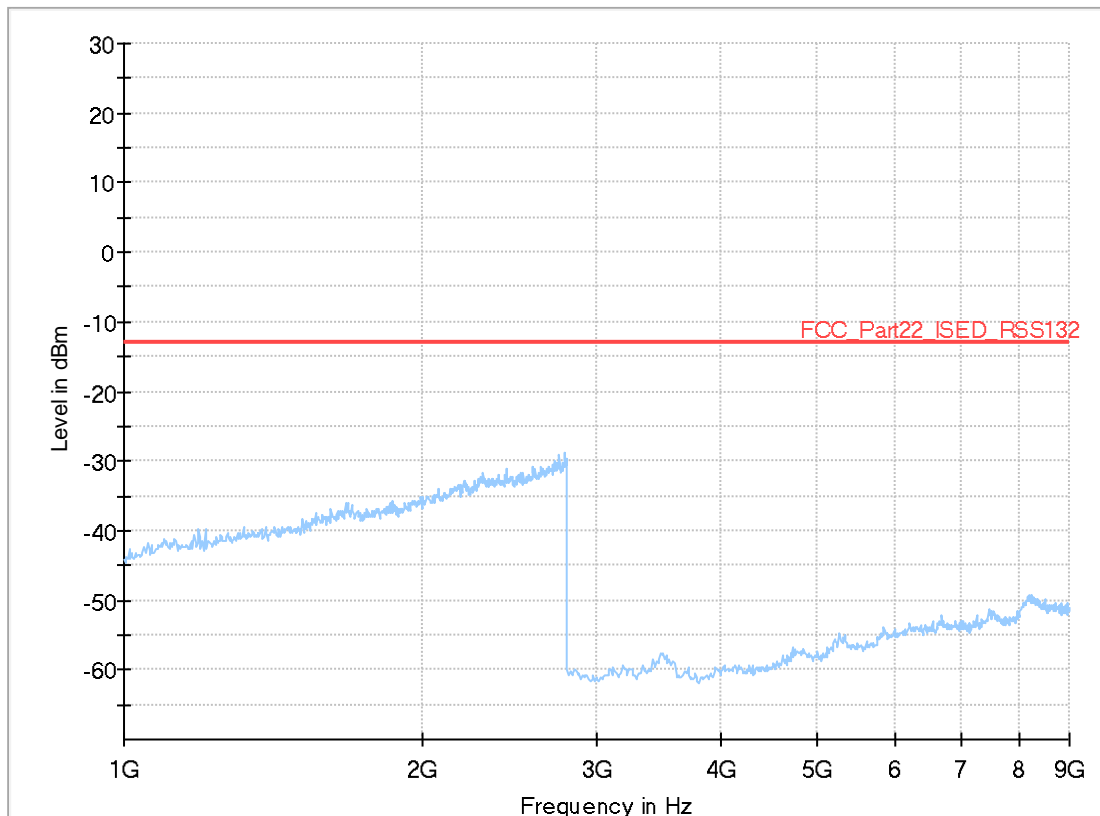
Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	Fully Anechoic Room (FAR)
Antenna polarisation:	vertical / horizontal
Operation mode:	UMTSV_Ch4233
Operator Name:	HEI
Comment:	Backup Antenna

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



1.4. Radiated emissions on FDD Band II band-edge

1.4.1. Radiated emissions on FDD Band II band-edge - Main Antenna

9.01a_BE_R_Ch9262_RMC_standing

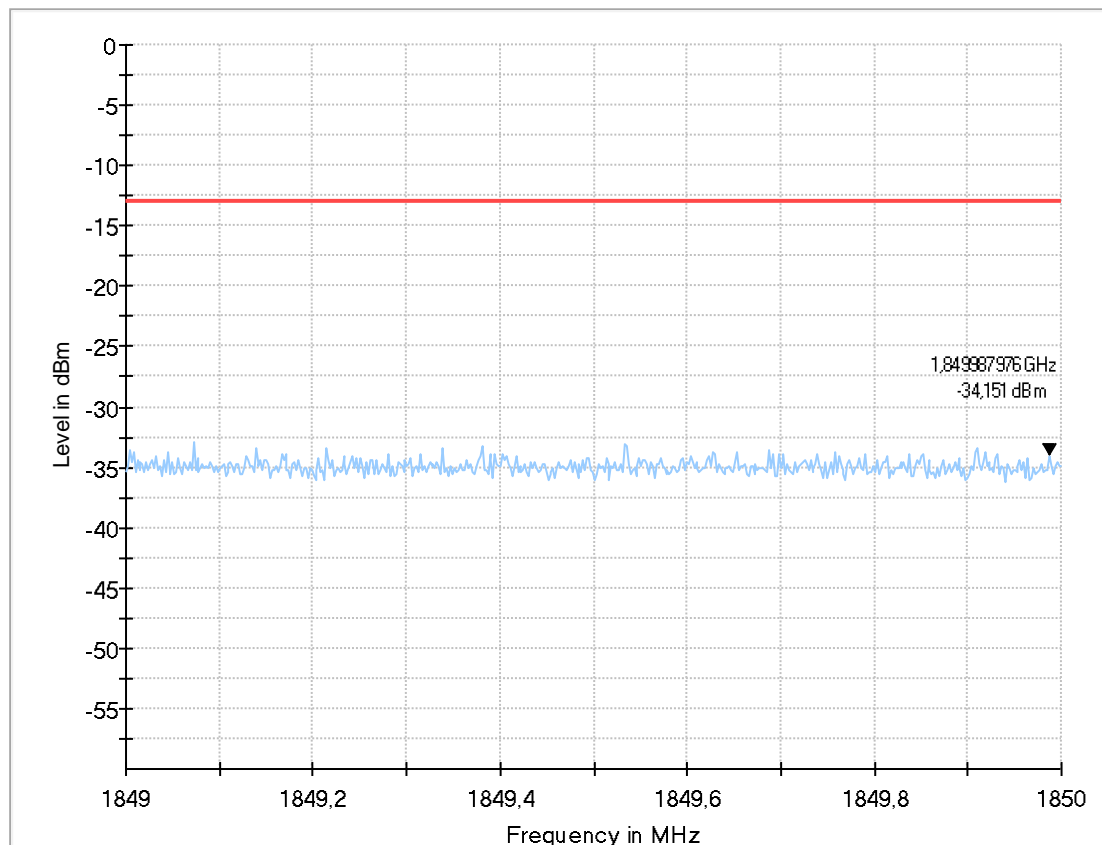
Common Information

Test Description:	Radiated Band Edge Compliance UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Operating Mode:	MS allocated channel 9262 (fc = 1852 MHz)
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	SLo
Comments:	DUT 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:	-



9.01b_BE_R_Ch9262_RMC_Laying

Common Information

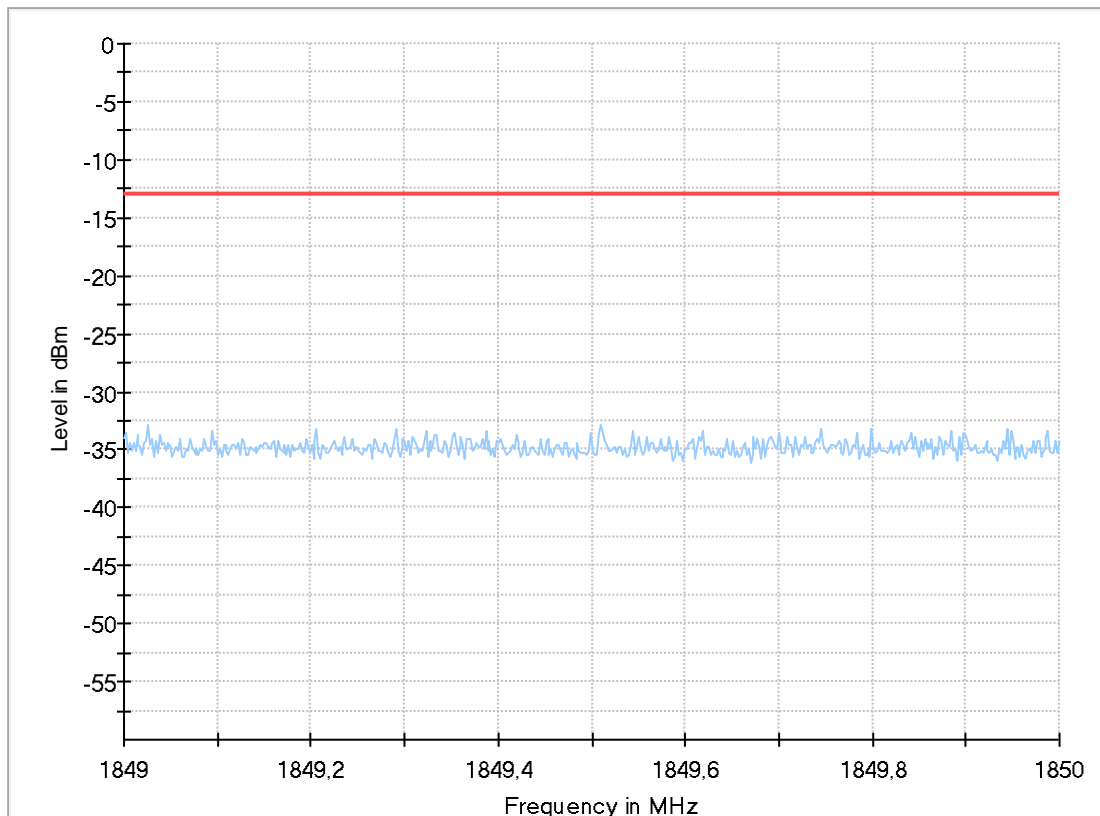
Test Description:	Radiated Band Edge Compliance UMTS-FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Operating Mode:	UMTS_Band 2_CH: 9262
Environmental Conditions:	Humidity: 30%rH; Temperature: 20°C
Operator:	HEI
Comment:	EUT Laying

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



9.02a_BE_R_Ch9538_RMC_standing

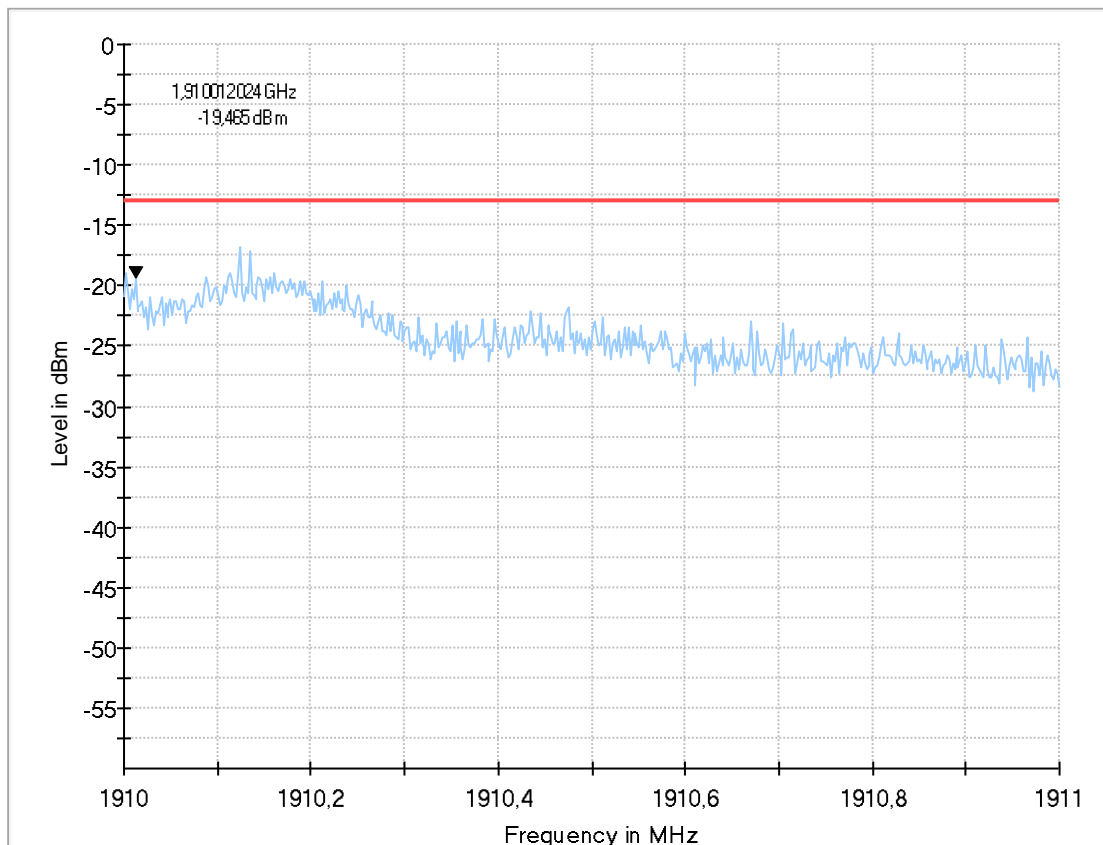
Common Information

Test Description:	Radiated Band Edge Compliance UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Operating Mode:	MS allocated channel 9538 (fc = 1907 MHz)
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	SLo
Comments:	DUT 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:	-



9.02b_BE_R_Ch9538_RMC_Laying

Common Information

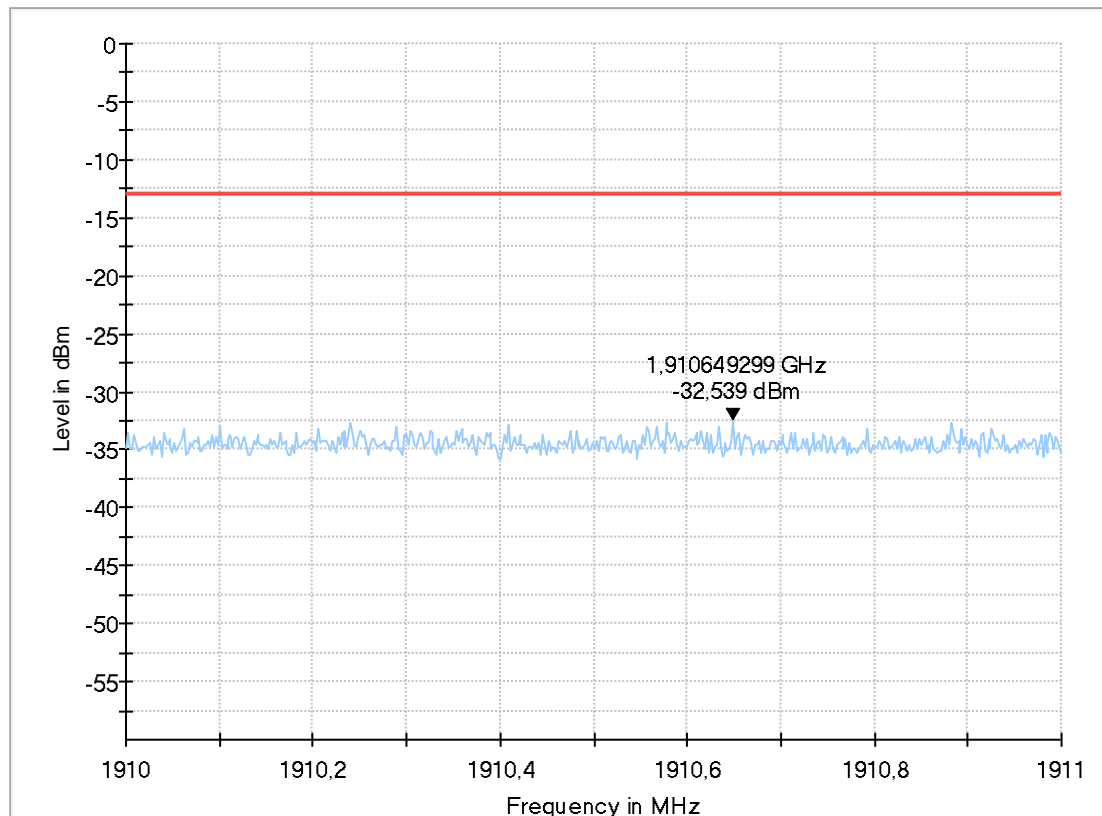
Test Description:	Radiated Band Edge Compliance UMTS-FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Operating Mode:	UMTS_Band 2_CH: 9538
Environmental Conditions:	Humidity: 30%rH; Temperature: 20°C
Operator:	HEI
Comment:	EUT - Laying

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



1.4.2. Radiated emissions on FDD Band II band-edge - Backup Antenna

9.03a_BE_R_Ch9262_RMC_Standing

Common Information

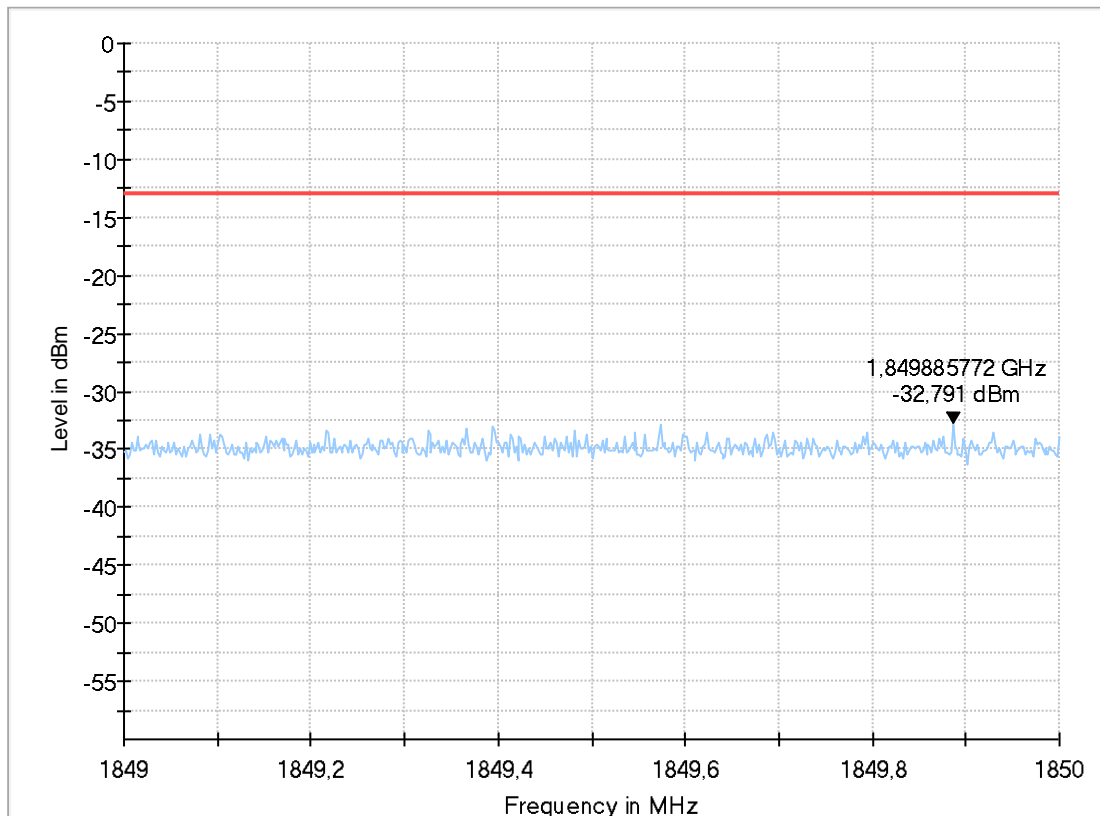
Test Description:	Radiated Band Edge Compliance UMTS-FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Operating Mode:	UMTS_Band 2_CH: 9262
Environmental Conditions:	Humidity: 30%rH; Temperature: 20°C
Operator:	HEI
Comment:	Backup Antenna

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



9.03b_BE_R_Ch9262_RMC_laying

Common Information

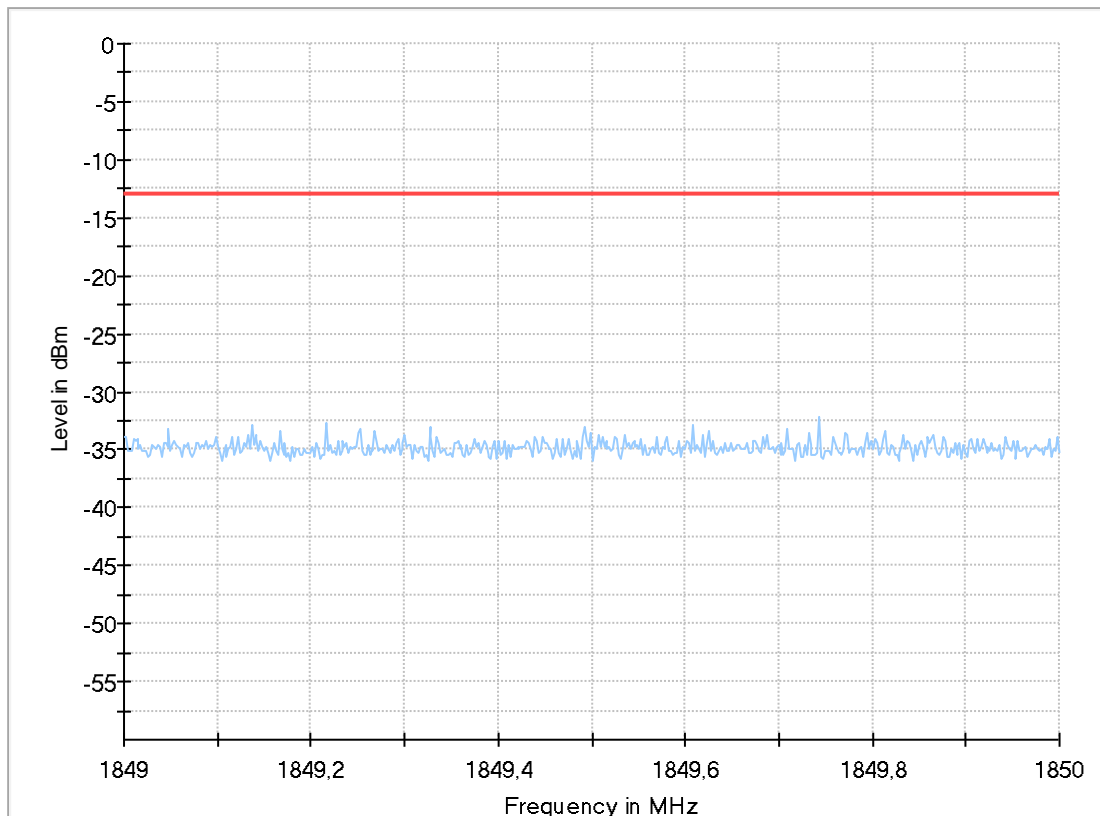
Test Description:	Radiated Band Edge Compliance UMTS-FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Operating Mode:	UMTS_Band 2_CH: 9262
Environmental Conditions:	Humidity: 30%rH; Temperature: 20°C
Operator:	HEI
Comment:	Backup Antenna

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



9.04a_BE_R_Ch9538_RMC_standing

Common Information

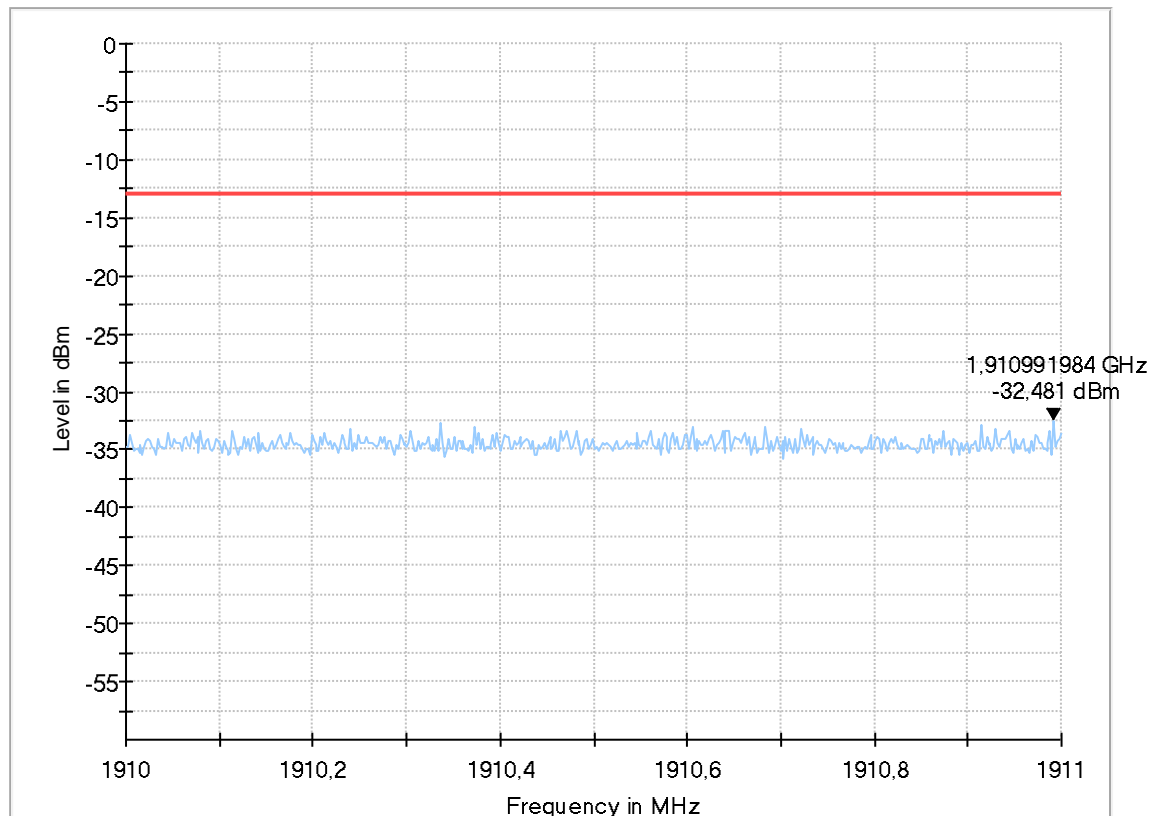
Test Description:	Radiated Band Edge Compliance UMTS-FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Operating Mode:	UMTS_Band 2_CH: 9538
Environmental Conditions:	Humidity: 30%rH; Temperature: 20°C
Operator:	HEI
Comment:	Backup Antenna

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



9.04b_BE_R_Ch9538_RMC_Laying

Common Information

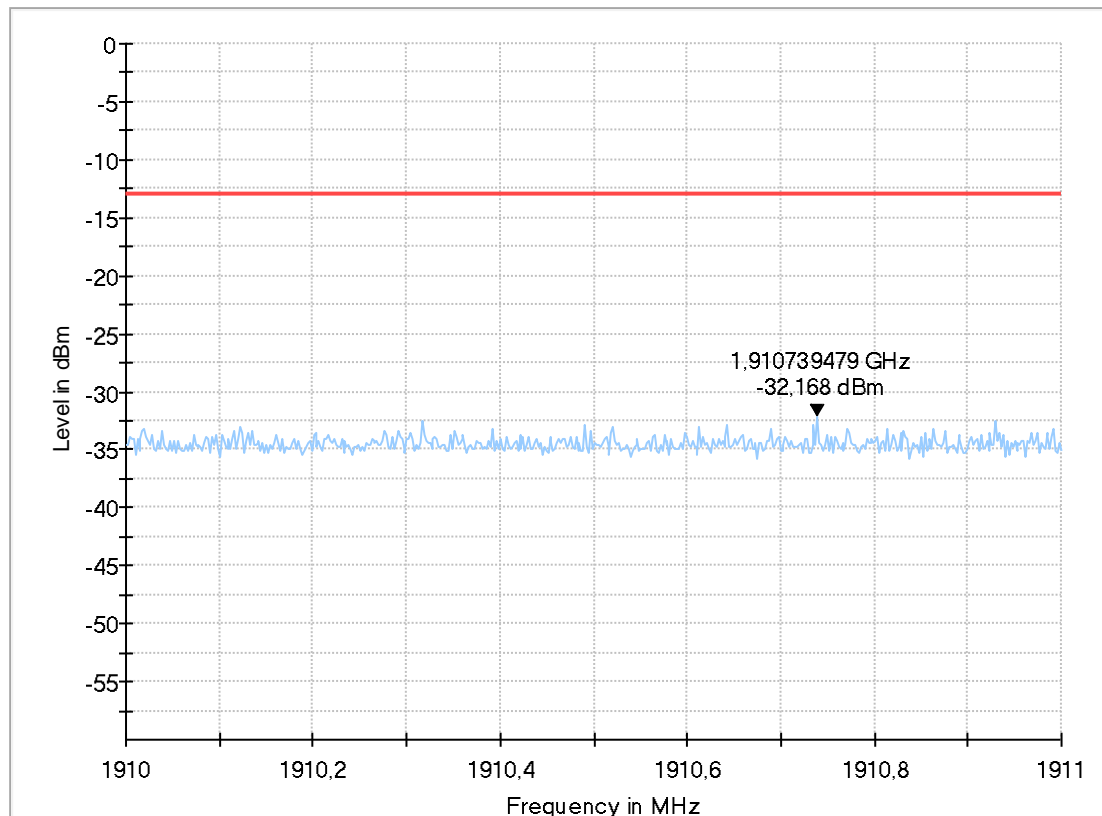
Test Description:	Radiated Band Edge Compliance UMTS-FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Operating Mode:	UMTS_Band 2_CH: 9538
Environmental Conditions:	Humidity: 30%rH; Temperature: 20°C
Operator:	HEI
Comment:	Backup Antenna

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



1.5. Radiated emissions on FDD Band V band-edge

1.5.1. Radiated emissions on FDD Band V band-edge - Main Antenna

9.05a_BE_R_Ch4132_RMC_Standing

Common Information

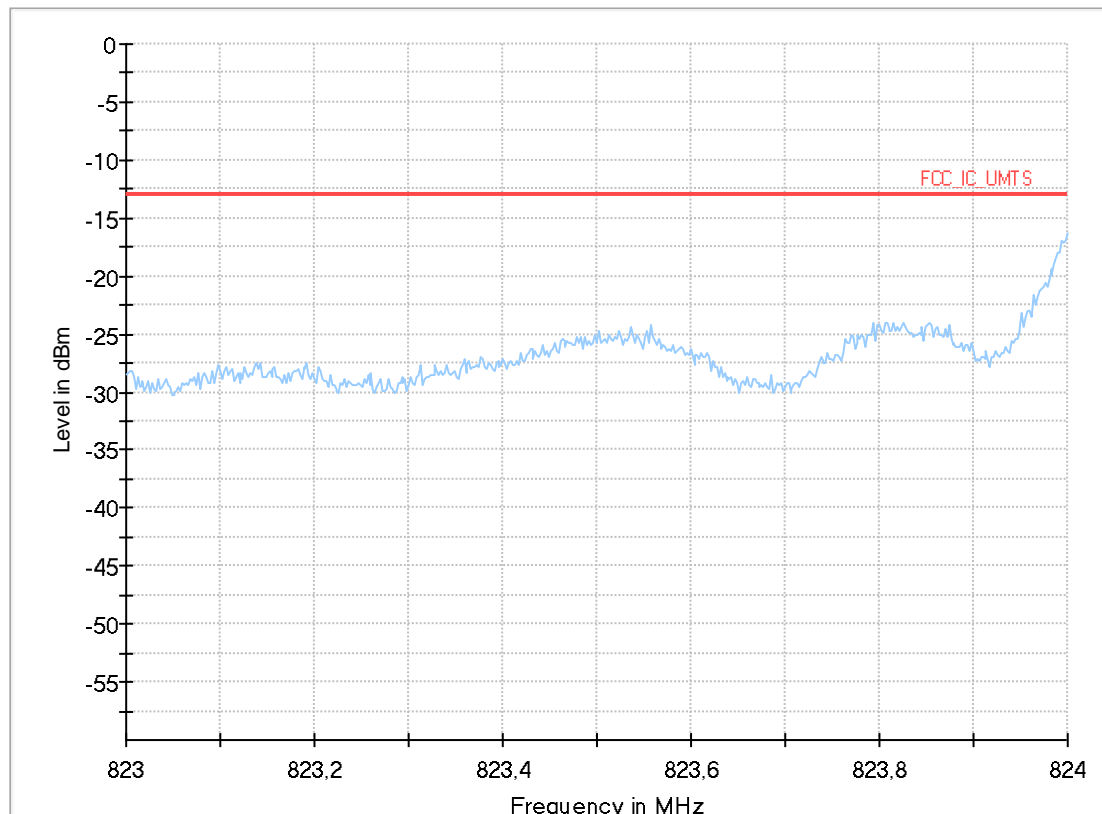
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4132
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	SLo
Comment:	EuT 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



9.05b_BE_R_Ch4132_RMC_Laying

Common Information

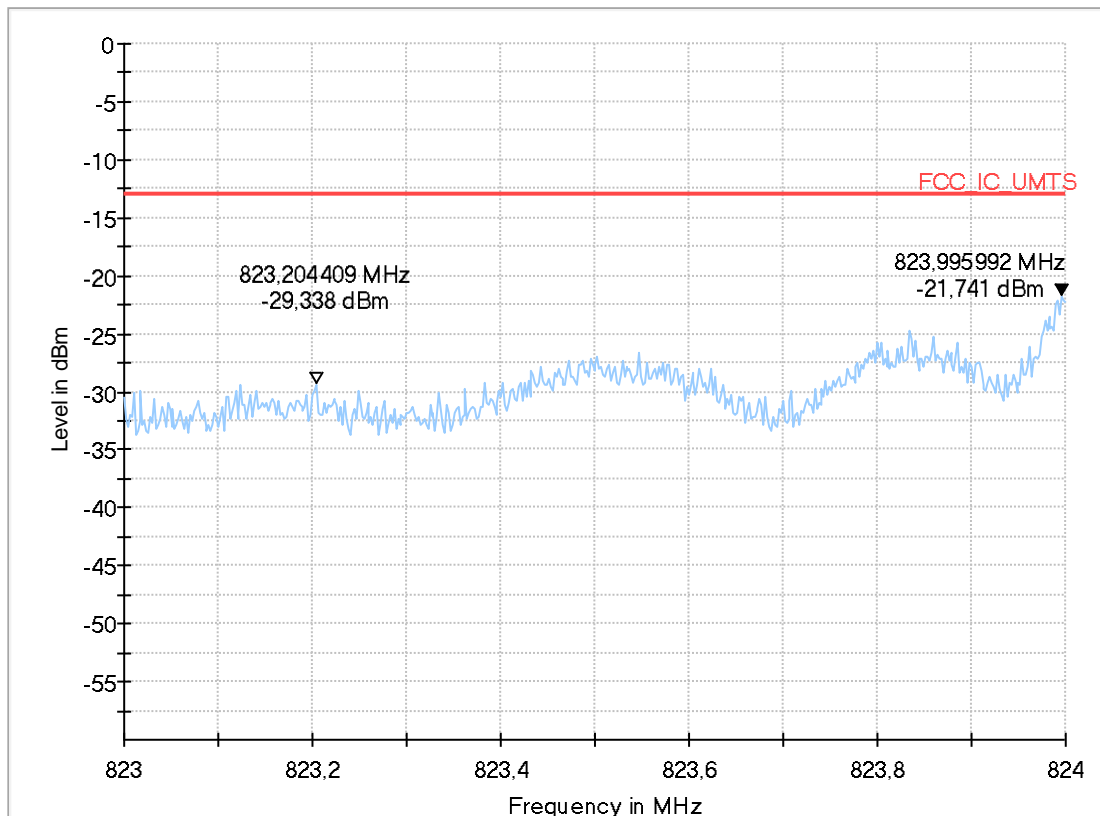
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4132
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	HEI
Remarks:	EUT -Laying position

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



9.06a_BE_R_Ch4233_RMC_Standing

Common Information

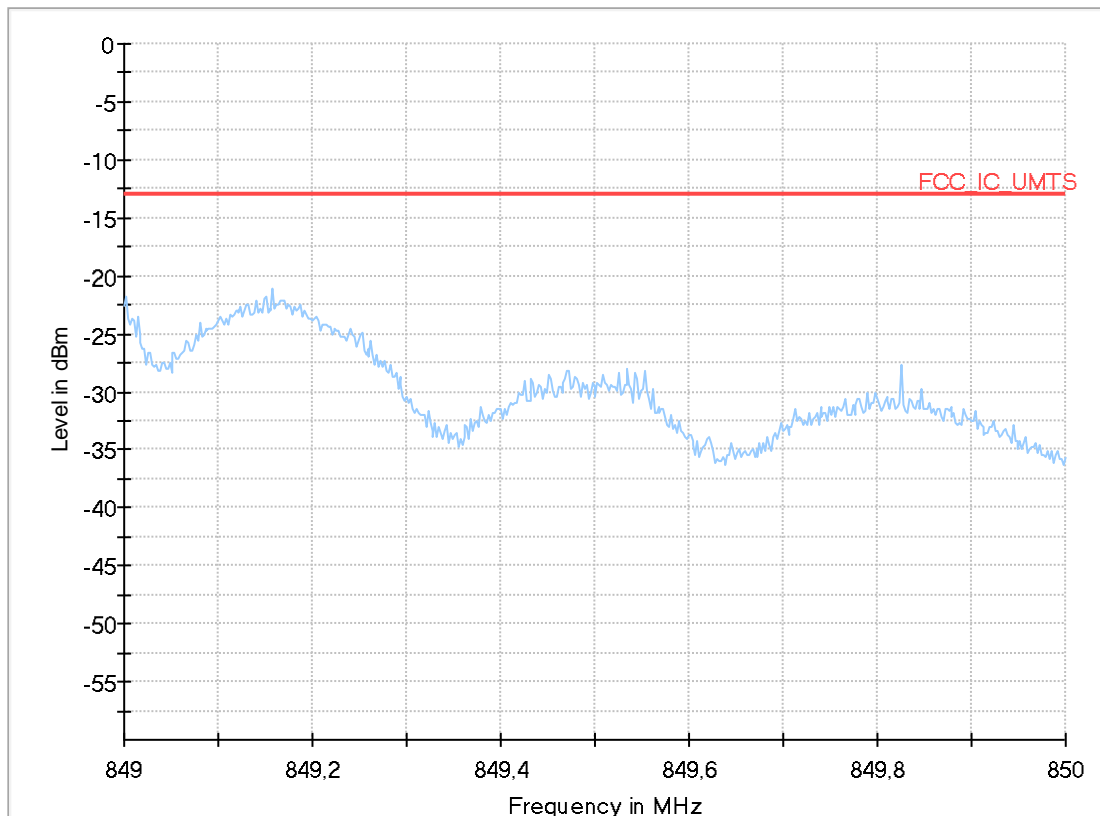
Test Description:	Radiated Band Edge Compliance UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Operating Mode:	MS allocated channel 4233 (fc = 846.6 MHz)
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	SLo
Comments:	DUT Standing

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



9.06b_BE_R_Ch4233_RMC_Laying

Common Information

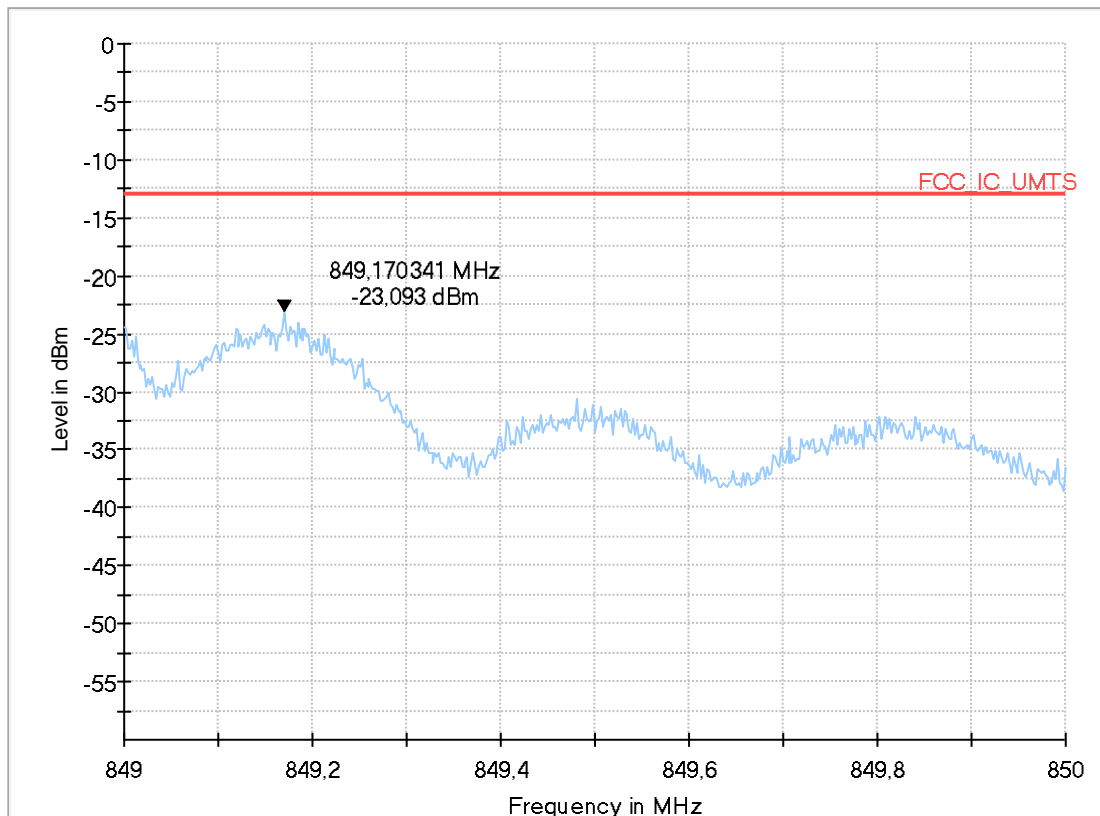
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4233
Environmental Conditions:	Humidity: 40%rH; Temperature: 20°C
Operator:	HEI
Remarks:	EUT - laying position

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



1.5.2. Radiated emissions on FDD Band V band-edge - Backup Antenna

9.07a_BE_R_Ch4132_RMC_Standing

Common Information

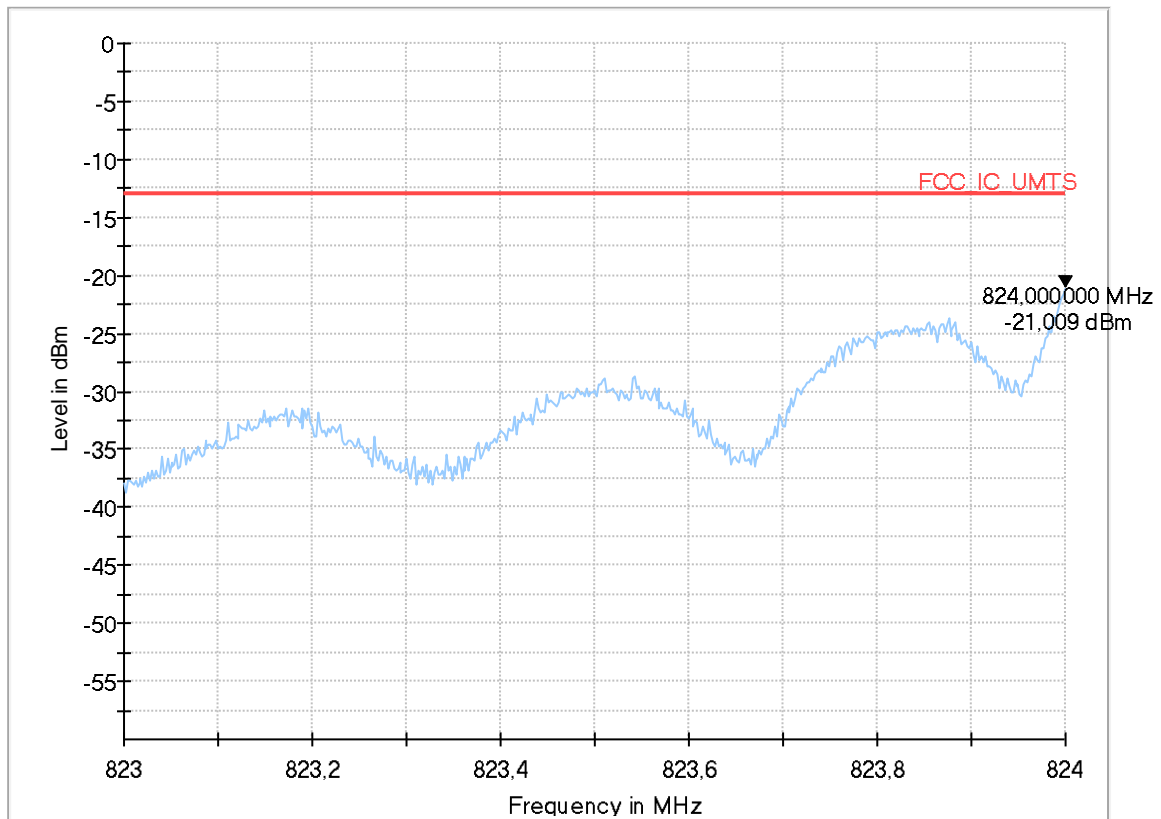
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4132
Environmental Conditions:	Humidity: 50%rH; Temperature: 20°C
Operator:	HEI
Remarks:	Backup Antenna

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



9.07b_BE_R_Ch4132_RMC_Laying

Common Information

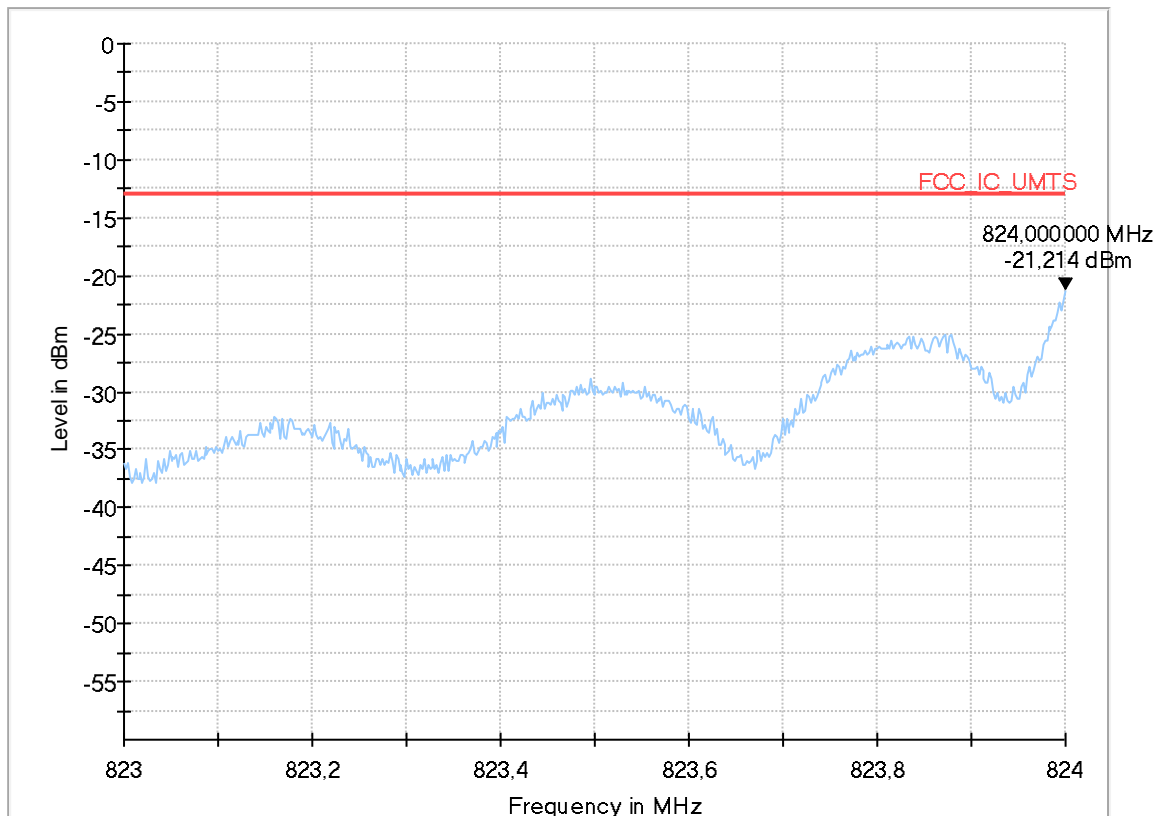
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4132
Environmental Conditions:	Humidity: 50%rH; Temperature: 20°C
Operator:	HEI
Remarks:	Backup Antenna

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



9.08a_BE_R_Ch4233_RMC_Standing

Common Information

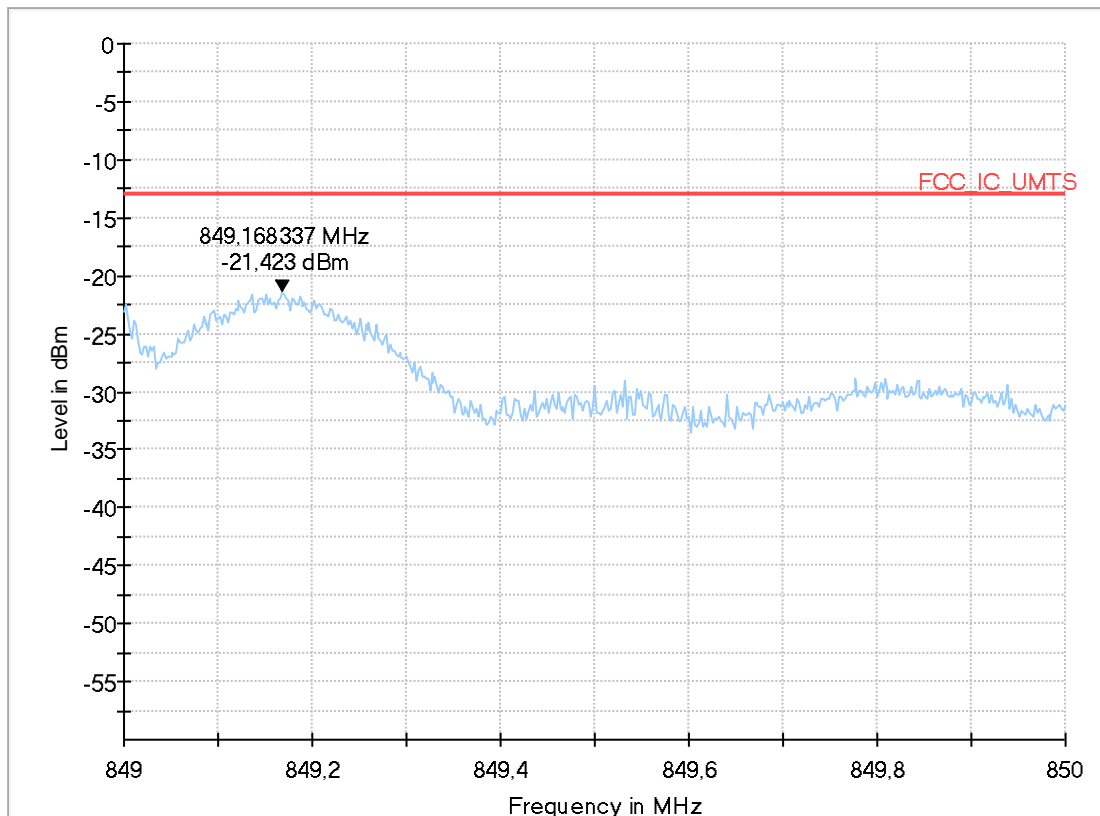
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4233
Environmental Conditions:	Humidity: 50%rH; Temperature: 20°C
Operator:	HEI
Remarks:	Backup Antenna

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



9.08b_BE_R_Ch4233_RMC_Laying

Common Information

Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4233
Environmental Conditions:	Humidity: 50%rH; Temperature: 20°C
Operator:	HEI
Remarks:	Backup Antenna

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

