

**Annex 4: Diagrams to
TEST REPORT
No.: 6-0491-14-1-23a**

According to:
FCC Regulations
Part 22, Part 24

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

for

peiker acoustic GmbH & Co. KG

**GSM/W-CDMA/LTE Device
ATM-01 T1-RoW-4G**
(GSM/GPRS/E-GPRS Technology)

FCC-ID: QWY-ATM-T-132
IC: 6588A-ATMT132







Laboratory Accreditation and Listings			
 DAkKS Deutsche Akkreditierungsstelle D-PL-12047-01-01	 FEDERAL COMMUNICATIONS COMMISSION USA Reg. No.: 736496 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
 WiFi ALLIANCE AUTHORIZED RF LABORATORY	 CTIA Authorized Test Lab LAB CODE 20011130-00		
accredited according to DIN EN ISO/IEC 17025			
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Table of contents

1. MEASUREMENT DIAGRAMS.....	3
1.1. Radiated magnetic field strength (up to 30MHz).....	3
1.2. Spurious emissions radiated (850 MHz transmitting mode).....	11
1.3. Spurious emissions radiated (1900 MHz transmitting mode).....	17
1.4. Radiated emissions on 850 MHz transmitting band-edge.....	23
1.5. Radiated emissions on 1900 MHz transmitting band-edge.....	27
1.6. 26dBc Emission bandwidth	31
1.7. 99% Occupied bandwidth.....	37
1.8. Spurious emissions conducted (850 MHz transmitting mode)	43
1.9. Spurious emissions conducted (1900 MHz transmitting mode)	55
1.10. Conducted emissions on 850 MHz transmitting band-edge	67
1.11. Conducted emissions on 1900 MHz transmitting band-edge	71

1. Measurement diagrams

1.1. Radiated magnetic field strength (up to 30MHz)

Diagram No. 2.01_GSM850_Voice_CH.128

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 Test software:	EMC32 V8.51.0
Distance correction:	used accord. table, pls. see test report
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 3
Operating Mode:	GSM850, Voice, Ch128
Operator:	dpa
Operating conditions:	Humidity: 56%rH; Temperature: 24°C
Power during tests:	14VDC
Comment 1:	EUT in vertical position

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

FCC15.209_magn hor+vert

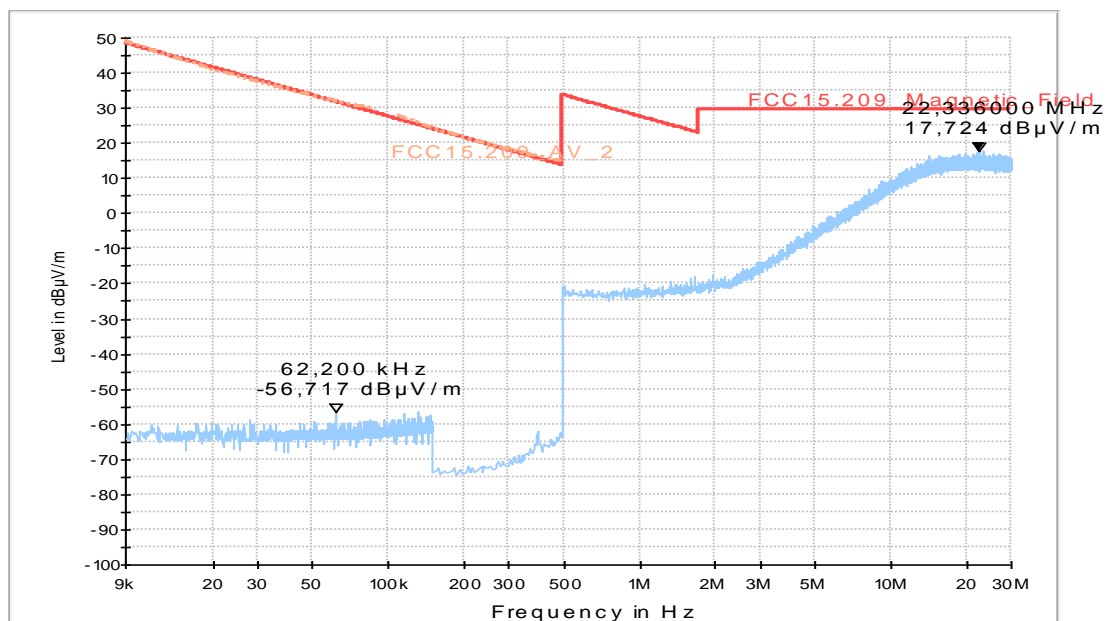


Diagram No. 2.02_GSM850_Voice_Ch.192

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 Test software:	EMC32 V8.51.0
Distance correction:	used accord. table, pls. see test report
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 3
Operating Mode:	GSM850, Voice, Ch192
Operator:	FTe
Operating conditions:	Humidity: 56%RH; Temperature: 24°C
Power during tests:	14VDC
Comment 1:	EUT in vertical position

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

FCC15.209_magn hor+vert

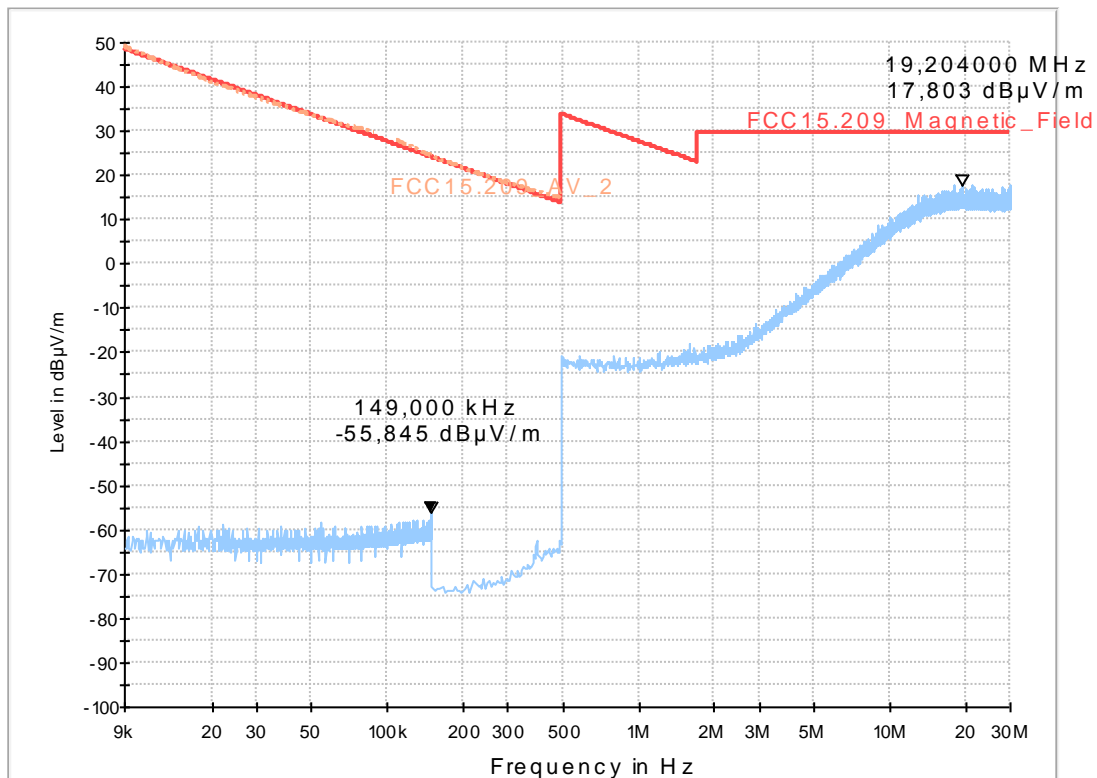


Diagram No. 2.03_GSM850_Voice_Ch.251

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 Test software:	EMC32 V8.51.0
Distance correction:	used accord. table, pls. see test report
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 3
Operating Mode:	GSM850, Voice, Ch251
Operator:	FTe
Operating conditions:	Humidity: 56%RH; Temperature: 24°C
Power during tests:	14VDC
Comment 1:	EUT in vertical position

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

FCC15.209_magn hor+vert

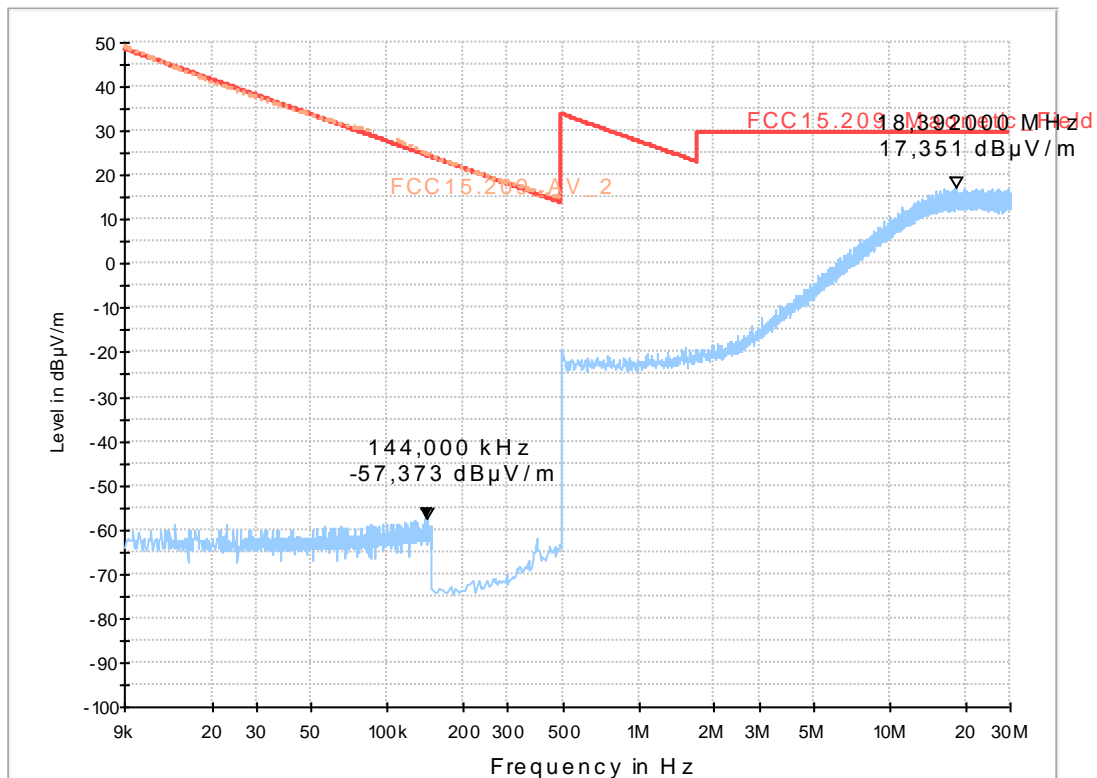


Diagram No. 2.04_GSM850_EGPRS_CH.128

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 Test software:	EMC32 V8.51.0
Distance correction:	used accord. table, pls. see test report
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 3
Operator:	GAr
Operating conditions:	GSM850 - EGPRS (PS) TCH
Power during tests:	14V DC
Comment 1:	Channel 128 (Low)
Comment 2:	Vertical Orientation

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

FCC 15.209_magn hor+vert

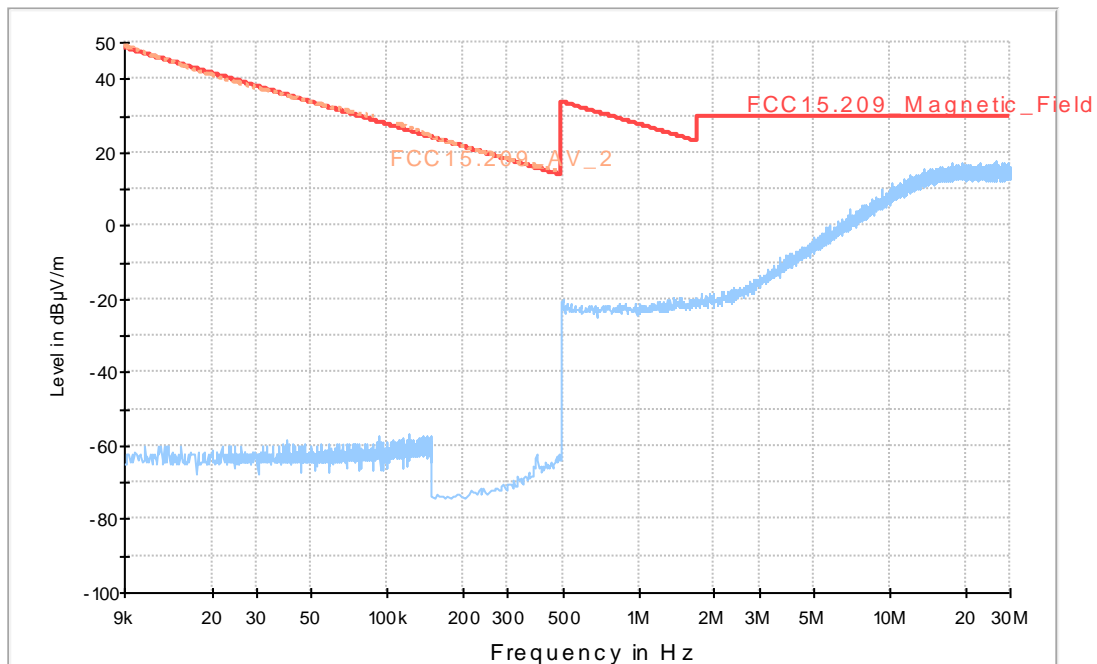


Diagram No. 2.05_GSM850_EGPRS_Ch.192

Date:	18.07.2014	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 Test software:	EMC32 V8.51.0	
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 3	
Operating Mode:	GSM850, PD, Ch192	
Operator:	FTe	
Operating conditions:	Humidity: 56%rH; Temperature: 24°C	
Power during test:	14V DC	
Comment 1:	EUT in vertical position	

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

FCC15.209_magn hor+vert

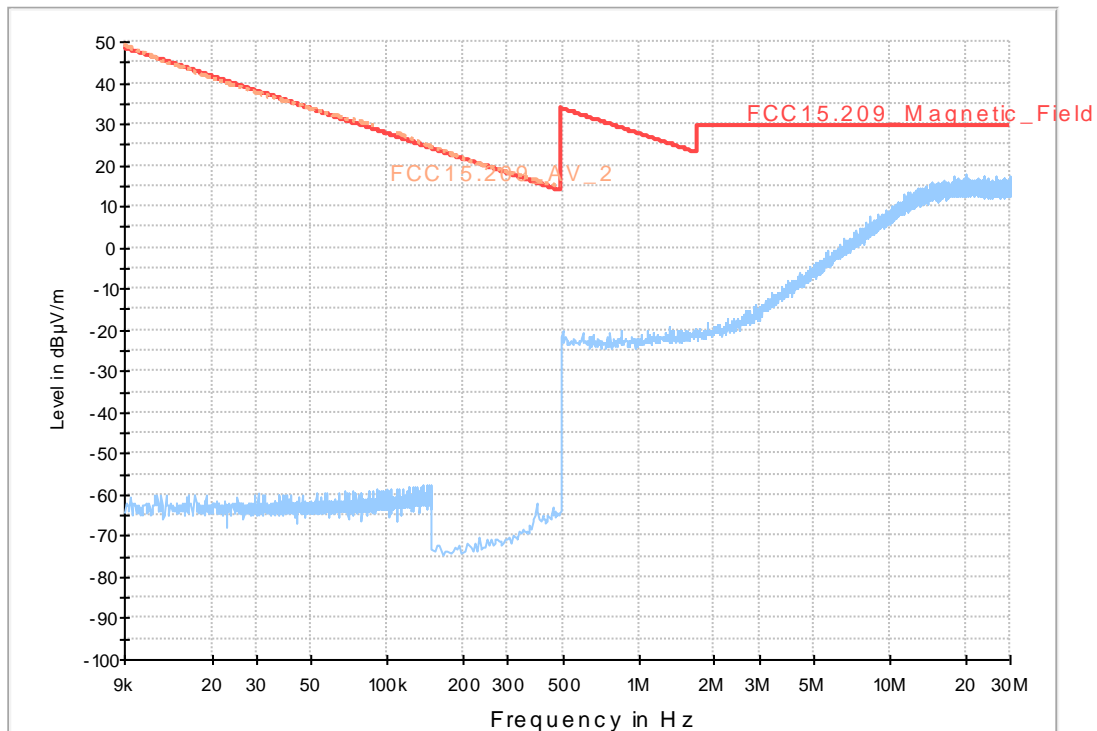


Diagram No. 2.06_GSM850_EGPRS_Ch.251

Date:	18.07.2014	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 Test software:	EMC32 V8.51.0	
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 3	
Operating Mode:	GSM850, PD, Ch251	
Operator:	FTe	
Operating conditions:	Humidity: 56%rH; Temperature: 24°C	
Power during test:	14V DC	
Comment 1:	EUT in vertical position	

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

FCC15.209_magn hor+vert

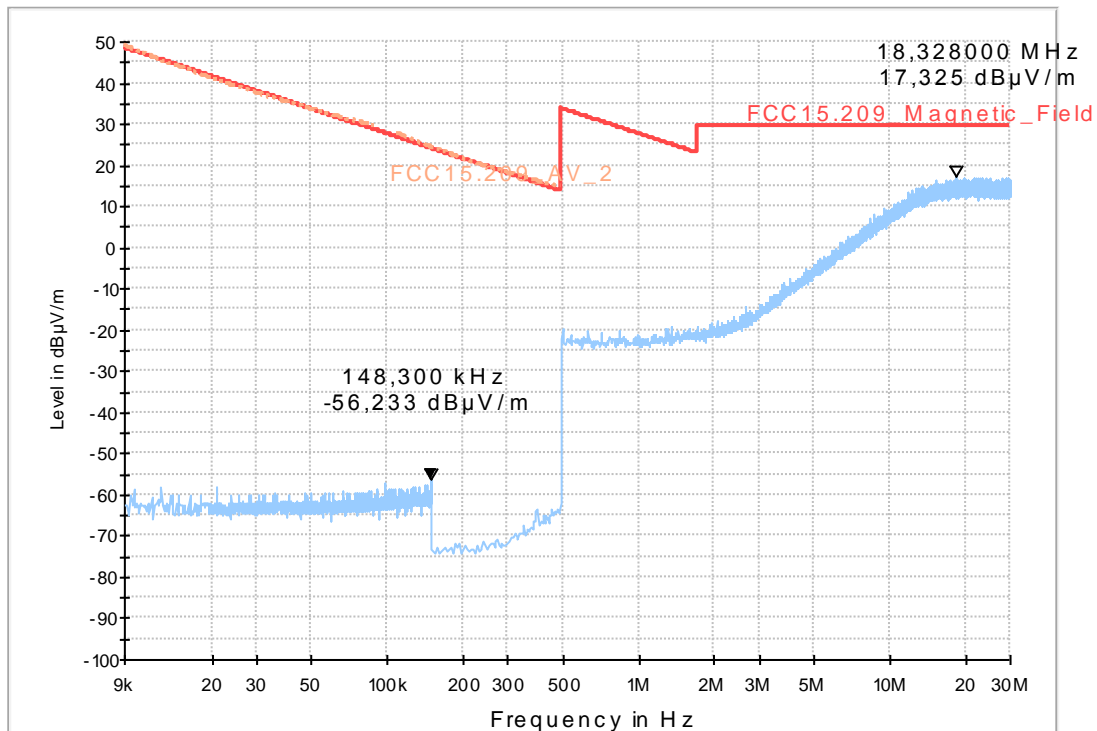


Diagram No. 2.08_GSM1900_Voice_Ch.661

Date:	18.07.2014	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 Test software:	EMC32 V8.51.0	
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 3	
Operating Mode:	GSM1900, voice, Ch661	
Operator:	FTE	
Operating conditions:	Humidity: 56%rH; Temperature: 24°C	
Power during test:	14V DC	
Comment:	EUT in vertical position	

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

FCC15.209_magn hor+vert

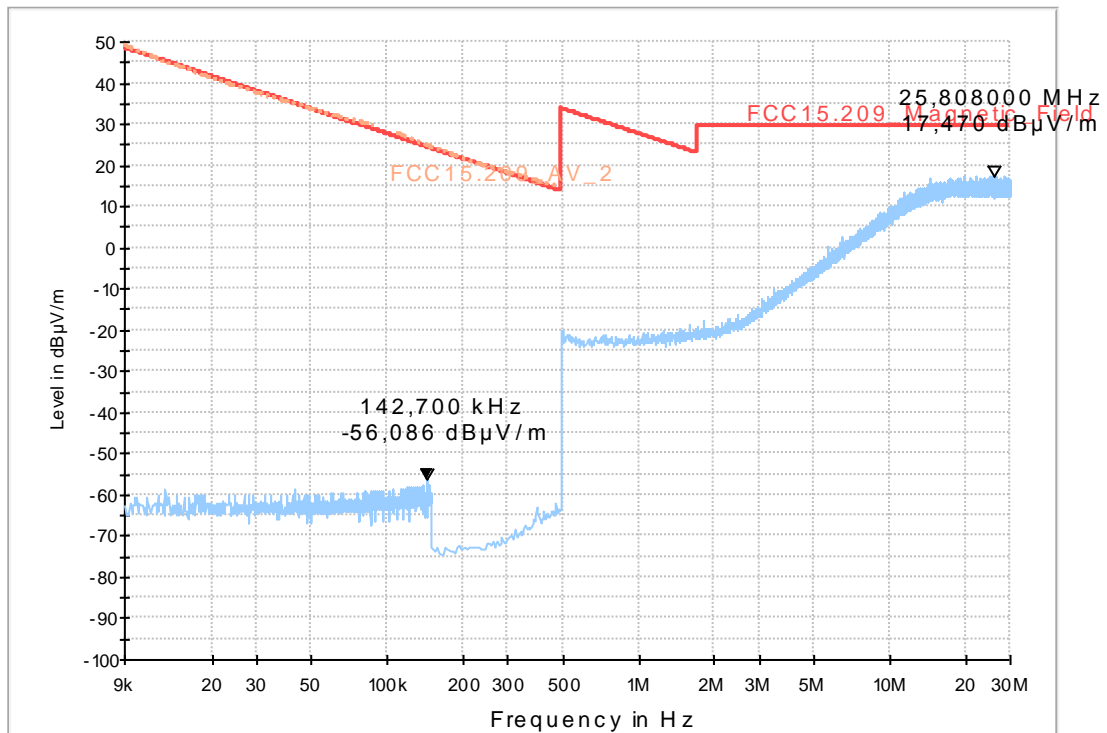


Diagram No. 2.11_GSM1900__Ch.661

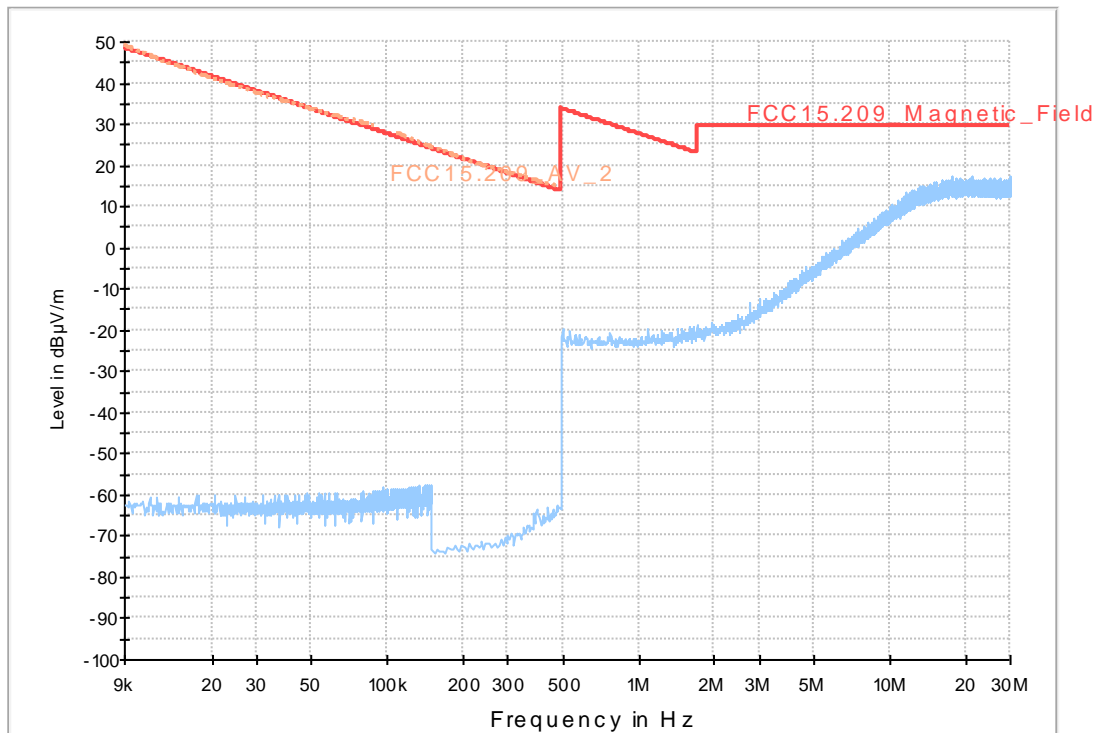
Date:	18.07.2014	Page 1 of 1
Test description:	Magnetic Field strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Test software:	EMC32 V8.51.0	
Distance correction:	used accord. table, pls. see test 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 3	
Operating Mode:	GSM1900, PD, Ch661	
Operator:	FTe	
Operating conditions:	Humidity: 56%rH; Temperature: 24°C	
Power during test:	14V DC	
Comment:	EUT in vertical position	

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

FCC15.209_magn hor+vert



1.2. Spurious emissions radiated (850 MHz transmitting mode)

8.01a_RSE_R_Ch128_GSM

Common Information

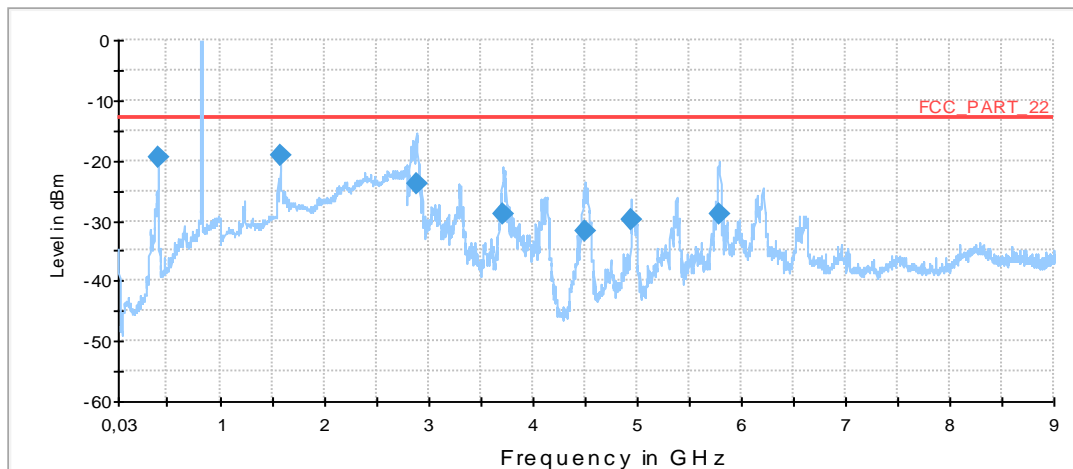
Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917
Test SW Version:	EMC32 V8.53.0
Operating Mode:	MS allocated UL channel 128
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 45%rH; Temperature: 26,8°C
Operator:	Lor

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030403_FCC_Part22_GSM850_TX_all_channels_30M-12G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
413.777555	-19.6	5000.0	1000.000	V	0.0	-82.2	6.6	-13.0
1583.376754	-19.1	5000.0	1000.000	V	78.0	-64.3	6.1	-13.0
2890.350701	-23.9	5000.0	1000.000	V	44.0	-95.8	10.9	-13.0
3720.010020	-28.9	5000.0	1000.000	V	-5.0	-95.0	15.9	-13.0
4498.346693	-31.6	5000.0	1000.000	V	318.0	-92.8	18.6	-13.0
4944.719439	-29.9	5000.0	1000.000	V	44.0	-90.9	16.9	-13.0
5786.843687	-28.8	5000.0	1000.000	V	44.0	-88.2	15.8	-13.0

8.01b_RSE_R_Ch128_GSM850

Common Information

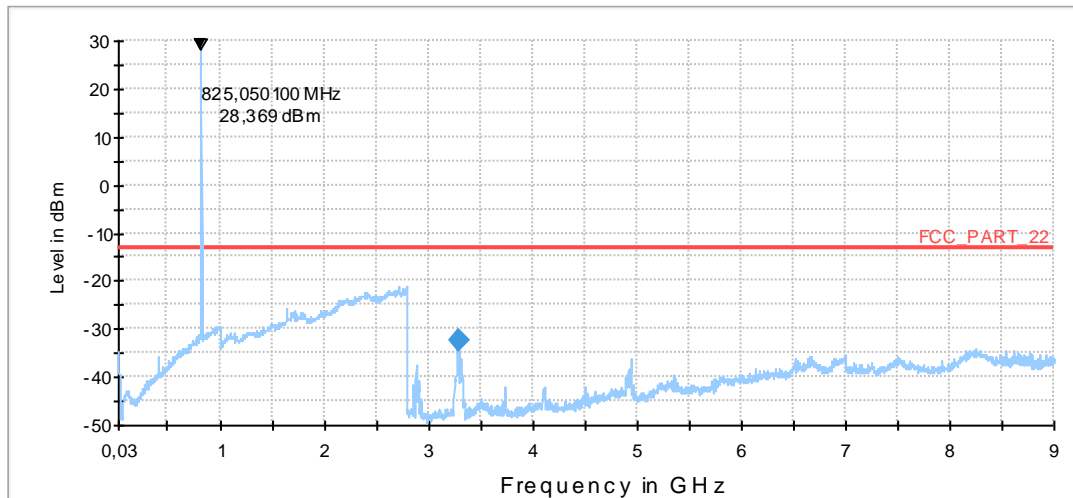
Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917
Test SW Version:	EMC32 V8.53.0
Operating Mode:	MS allocated UL channel 128
Environmental Conditions:	Humidity: 48%rH; Temperature: 25°C
Operator:	ABA

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030403_FCC_Part22_GSM850_TX_all_channels_30M-12G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
3297.404809	-32.4	5000.0	1000.000	H	304.0	-95.7	19.4	-13.0

8.02a_RSE_R_Ch192_GSM

Common Information

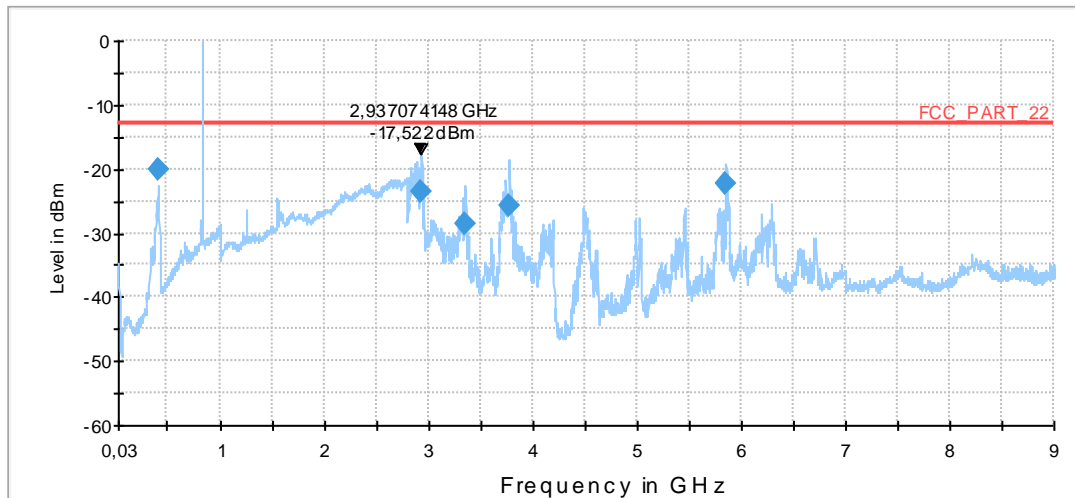
Test Description: Radiated Emissions GSM850
 Test Site Location: CETECOM GmbH Essen
 Test Site: Fully Anechoic Room (FAR)
 Test Standard: FCC Part22.917
 Test SW Version: EMC32 V8.53.0
 Operating Mode: MS allocated UL channel 192
 Exclusionband: 824 - 849MHz
 Environmental Conditions: Humidity: 45%rH; Temperature: 26,8°C
 Operator: kta

EUT Information

Manufacturer: peiker acustic GmbH & Co. KG
 Model: ATM-01 T1-ROW-4G
 Type: GSM/UMTS/LTE Mobile Device

 EUT: PKD0354BD1c
 HW version: 202.005.005
 SW version: 001.014.004
 SVN: 02
 Config: C03
 Serial number: 0000500312
 Connected Interfaces: power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
 Power Supply: 14VDC external
 Comments: -

030403_FCC_Part22_GSM850_TX_all_channels_30M-12G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
416.723447	-20.2	5000.0	1000.000	V	-11.0	-82.1	7.2	-13.0
2938.967936	-23.6	5000.0	1000.000	V	224.0	-96.2	10.6	-13.0
3359.228457	-28.7	5000.0	1000.000	V	325.0	-95.6	15.7	-13.0
3779.909820	-25.8	5000.0	1000.000	V	322.0	-95.2	12.8	-13.0
5859.368738	-22.4	5000.0	1000.000	V	44.0	-87.8	9.4	-13.0

8.02b_RSE_R_Ch192_GSM850

Common Information

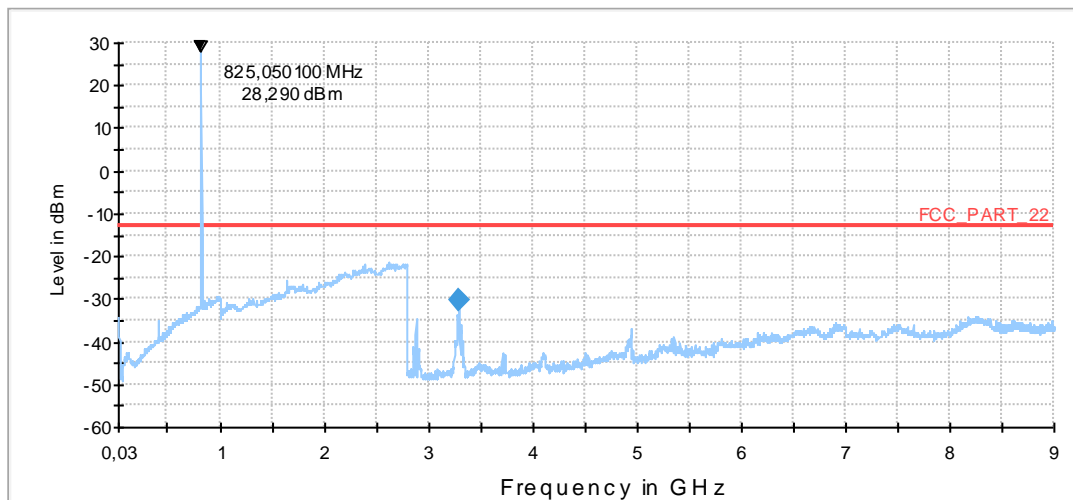
Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917
Test SW Version:	EMC32 V8.53.0
Operating Mode:	MS allocated UL channel 128
Environmental Conditions:	Humidity: 48%rH; Temperature: 25°C
Operator:	ABA

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030403_FCC_Part22_GSM850_TX_all_channels_30M-12G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
3296.362726	-30.2	5000.0	1000.000	H	303.0	-95.7	17.2	-13.0

8.03a_RSE_R_Ch251_GSM

Common Information

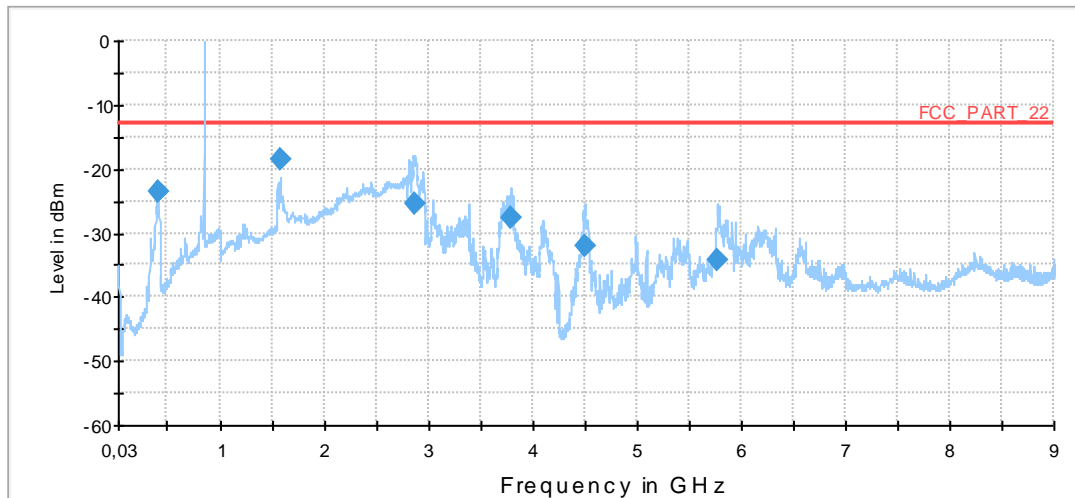
Test Description: Radiated Emissions GSM850
 Test Site Location: CETECOM GmbH Essen
 Test Site: Fully Anechoic Room (FAR)
 Test Standard: FCC Part22.917
 Test SW Version: EMC32 V8.53.0
 Operating Mode: MS allocated UL channel 251
 Exclusionband: 824 - 849MHz
 Environmental Conditions: Humidity: 45%rH; Temperature: 26,8°C
 Operator: kta

EUT Information

Manufacturer: peiker acustic GmbH & Co. KG
 Model: ATM-01 T1-ROW-4G
 Type: GSM/UMTS/LTE Mobile Device

 EUT: PKD0354BD1c
 HW version: 202.005.005
 SW version: 001.014.004
 SVN: 02
 Config: C03
 Serial number: 0000500312
 Connected Interfaces: power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
 Power Supply: 14VDC external
 Comments: -

030403_FCC_Part22_GSM850_TX_all_channels_30M-12G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
410.490982	-23.5	5000.0	1000.000	H	188.0	-82.2	10.5	-13.0
1580.911824	-18.6	5000.0	1000.000	V	292.0	-64.3	5.6	-13.0
2876.362726	-25.4	5000.0	1000.000	V	44.0	-95.9	12.4	-13.0
3798.547095	-27.7	5000.0	1000.000	V	318.0	-95.2	14.7	-13.0
4498.126253	-32.0	5000.0	1000.000	V	316.0	-92.8	19.0	-13.0
...

8.03b_RSE_R_Ch251_GSM850

Common Information

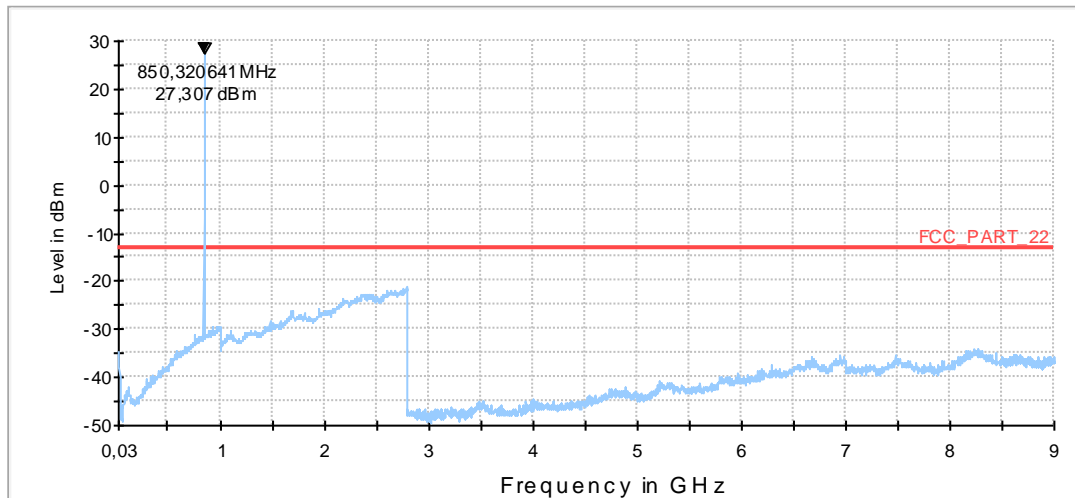
Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917
Test SW Version:	EMC32 V8.53.0
Operating Mode:	MS allocated UL channel 251
Environmental Conditions:	Humidity: 48%rH; Temperature: 25°C
Operator:	ABA

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030403_FCC_Part22_GSM850_TX_all_channels_30M-12G_no_kipp



1.3. Spurious emissions radiated (1900 MHz transmitting mode)

8.13a_RSE_R_Ch512_GPRS

Common Information

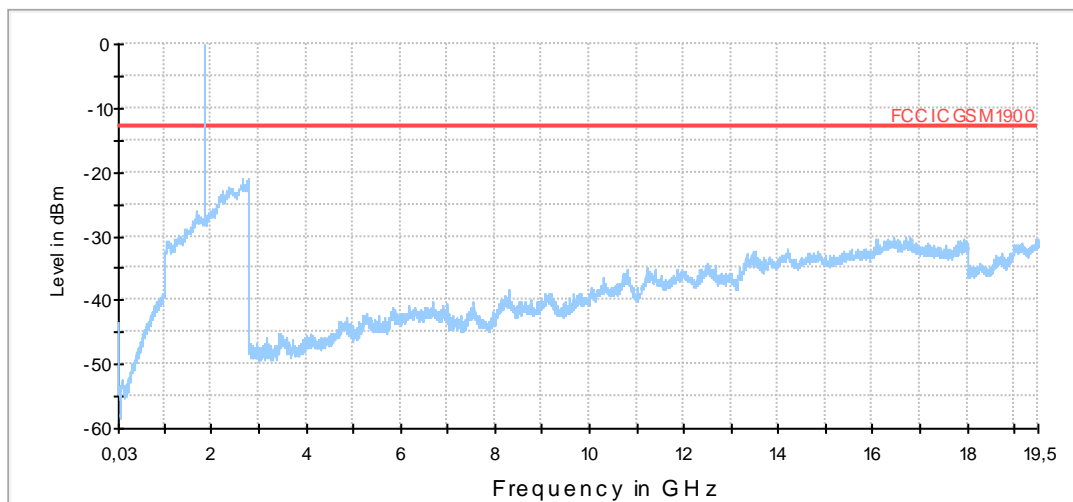
Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Test SW Version:	EMC32 V8.53.0
Comm. Link:	GPRS
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 45%rH; Temperature: 26,8°C
Operator:	кта

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030406_FCC_Part24_GSM1900_TX_all_channels_30M-20G_no_kipp



8.13b_RSE_R_Ch512_GPRS

Common Information

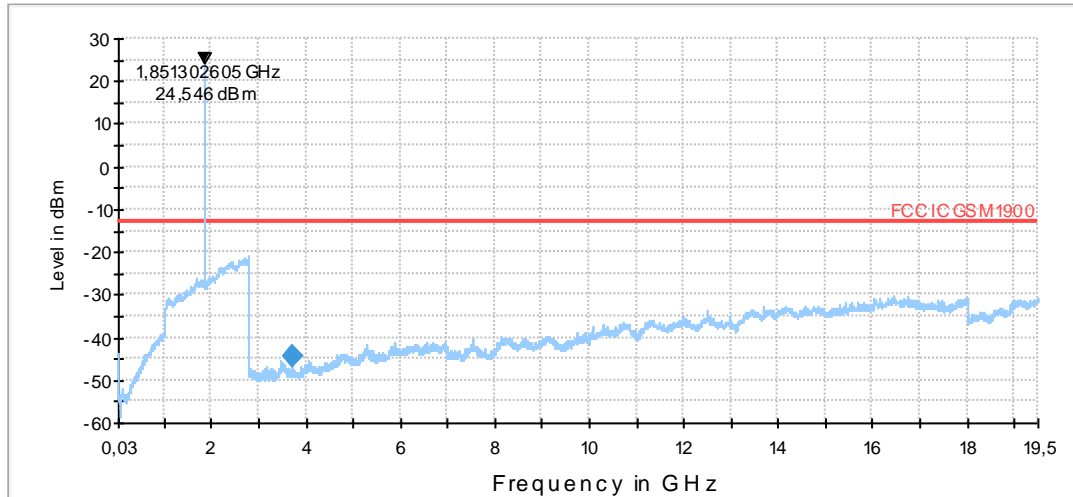
Test Description: Radiated Spurious Emissions GSM1900
 Test Site Location: CETECOM GmbH Essen
 Test Site: Fully Anechoic Room (FAR)
 Test Standard: FCC Part 24.238
 Test SW Version: EMC32 V8.53.0
 Comm. Link: GPRS
 Operating Mode: MS allocated channel 512 (UL = 1850.2MHz),661(UL = 1880.0MHz),810 (UL = 1909.8MHz)
 Exclusionband: 1850- 1910MHz
 Environmental Conditions: Humidity: 45%rH; Temperature: 25°C
 Operator: ABA

EUT Information

Manufacturer: peiker acoustic GmbH & Co. KG
 Model: ATM-01 T1-ROW-4G
 Type: GSM/UMTS/LTE Mobile Device

 EUT: PKD0354BD1c
 HW version: 202.005.005
 SW version: 001.014.004
 SVN: 02
 Config: C03
 Serial number: 0000500312
 Connected Interfaces: power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
 Power Supply: 14VDC external
 Comments: -

030406_FCC_Part24_GSM1900_TX_all_channels_30M-20G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
3700.526052	-44.3	1000.0	1000.000	H	45.0	-94.9	31.3	-13.0

8.14a_RSE_R_Ch661_GPRS

Common Information

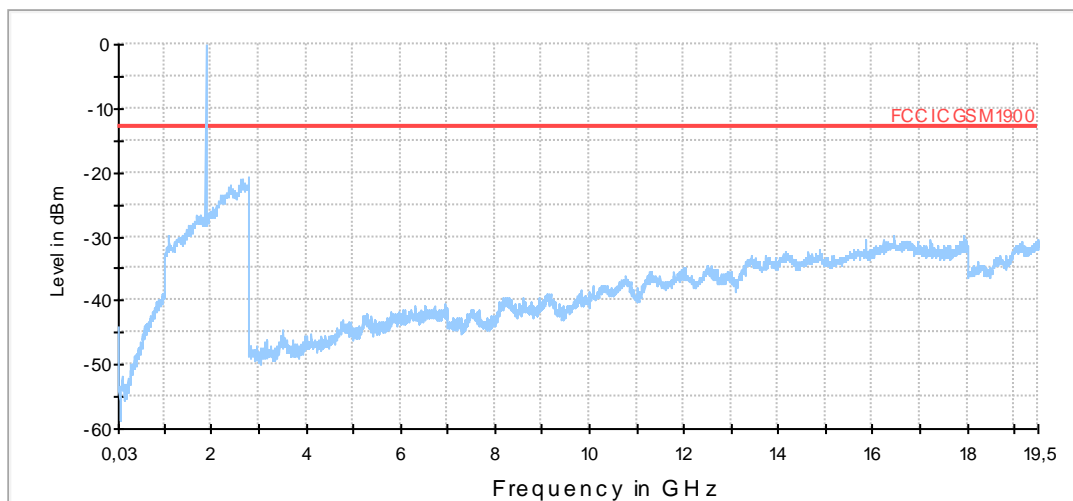
Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Test SW Version:	EMC32 V8.53.0
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 661 (UL = 1880.0MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 45%rH; Temperature: 26,8°C
Operator:	cta

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030406_FCC_Part24_GSM1900_TX_all_channels_30M-20G_no_kipp



8.14b_RSE_R_Ch661_GPRS

Common Information

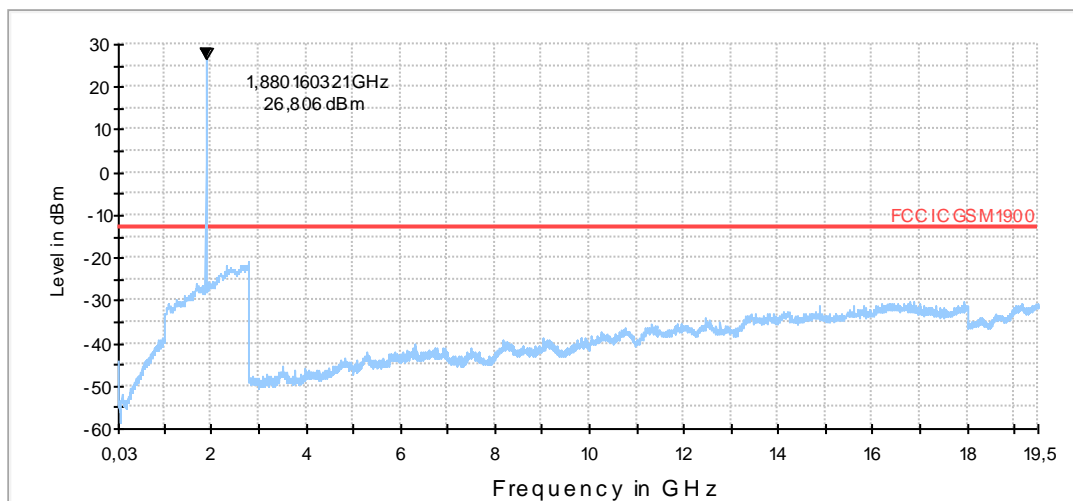
Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Test SW Version:	EMC32 V8.53.0
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 661 (UL = 1880.0MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 45%rH; Temperature: 25°C
Operator:	YZH

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030406_FCC_Part24_GSM1900_TX_all_channels_30M-20G_no_kipp



8.15a_RSE_R_Ch810_GPRS

Common Information

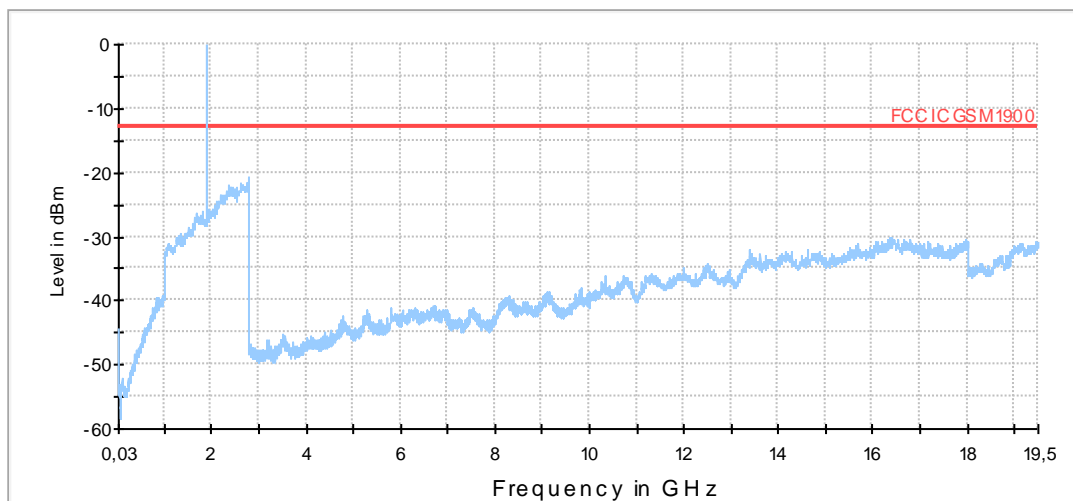
Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Test SW Version:	EMC32 V8.53.0
Comm. Link:	GPRS
Operating Mode:	MS allocated channel 810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 45%rH; Temperature: 26,8°C
Operator:	cta

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030406_FCC_Part24_GSM1900_TX_all_channels_30M-20G_no_kipp



8.15b_RSE_R_Ch810_GPRS

Common Information

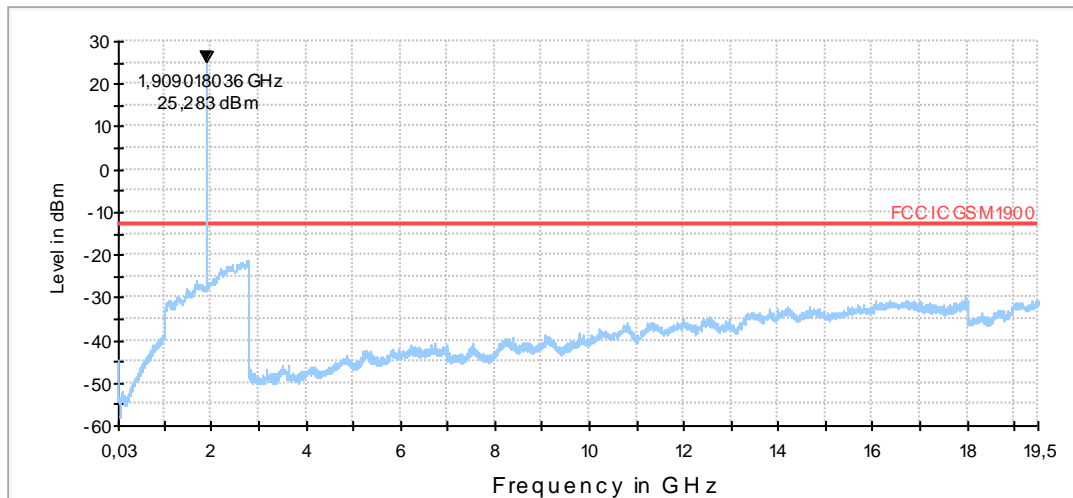
Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Test SW Version:	EMC32 V8.53.0
Comm. Link:	GPRS
Operating Mode:	MS allocated channel 810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 45%rH; Temperature: 25°C
Operator:	YZH

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030406_FCC_Part24_GSM1900_TX_all_channels_30M-20G_no_kipp



1.4. Radiated emissions on 850 MHz transmitting band-edge

9.03a_RSE_R_Ch128_GPRS

Common Information

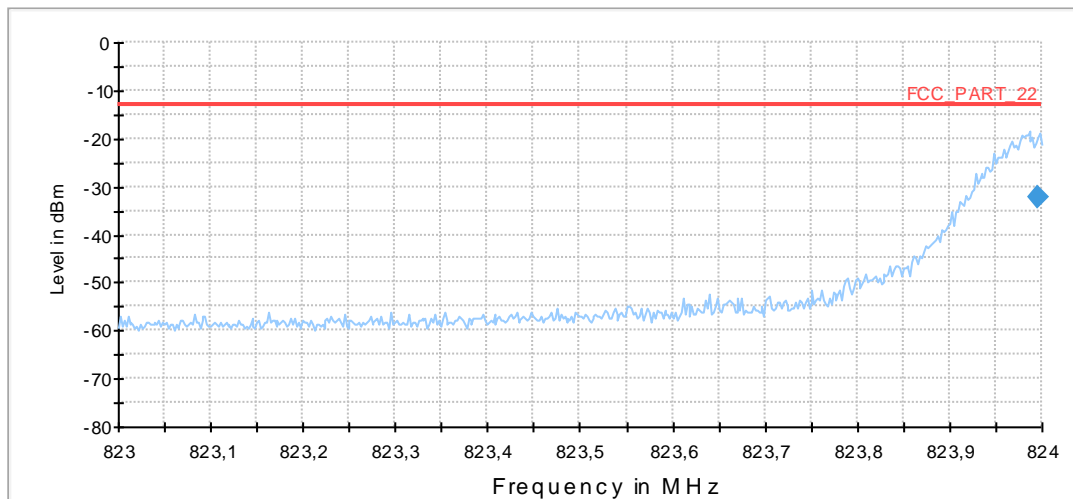
Test Description:	Radiated Band Edge Compliance GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917
Operating Mode:	MS allocated channel 128 (fc = 824.2MHz), GPRS-Mode
Exclusionband:	824 - 849MHz
Test SW Version:	EMC32 V8.53.0
Environmental Conditions:	Humidity: 52%rH; Temperature:23,5°C
Operator:	Lor

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030402e_FCC_Part22_GSM850_TX_low_BE_CMU_RF3_RF4_no_Control



Final Result 1

Frequency (MHz)	RMS (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
823.995992	-32.3	10000.0	3.000	V	94.0	0.0	-75.9	19.3	-13.0

9.03b_RSE_R_Ch128_GPRS

Common Information

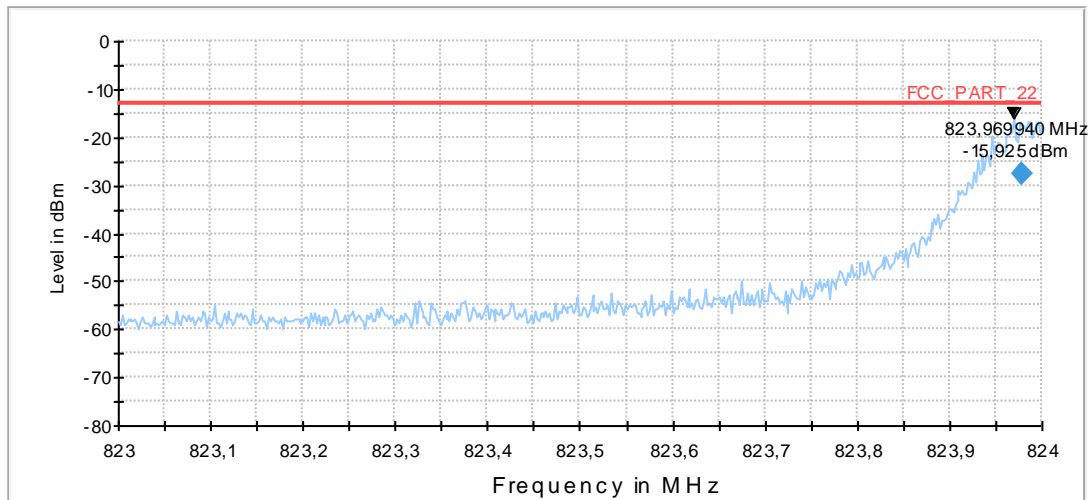
Test Description: Radiated Band Edge Compliance GSM850
 Test Site Location: CETECOM GmbH Essen
 Test Site: Fully Anechoic Room (FAR)
 Test Standard: FCC Part 22.917
 Test SW Version: EMC32 V8.53.0
 Operating Mode: MS allocated channel 128 (fc = 824.2MHz), GPRS-Mode
 Exclusionband: 824 - 849MHz
 SW Version: EMC32 V8.53.0
 Environmental Conditions: Humidity: 54%rH; Temperature: 22,4°C
 Operator: Lor

EUT Information

Manufacturer: peiker acustic GmbH & Co. KG
 Model: ATM-01 T1-ROW-4G
 Type: GSM/UMTS/LTE Mobile Device

 EUT: PKD0354BD1c
 HW version: 202.005.005
 SW version: 001.014.004
 SVN: 02
 Config: C03
 Serial number: 0000500312
 Connected Interfaces: power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
 Power Supply: 14VDC external
 Comments: -

030402e_FCC_Part22_GSM850_TX_low_BE_CMU_RF3_RF4_no_Control



Final Result 1

Frequency (MHz)	RMS (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
823.977956	-27.7	10000.0	3.000	H	20.0	0.0	-75.9	14.7	-13.0

9.04a_BE_R_Ch251_GPRS

Common Information

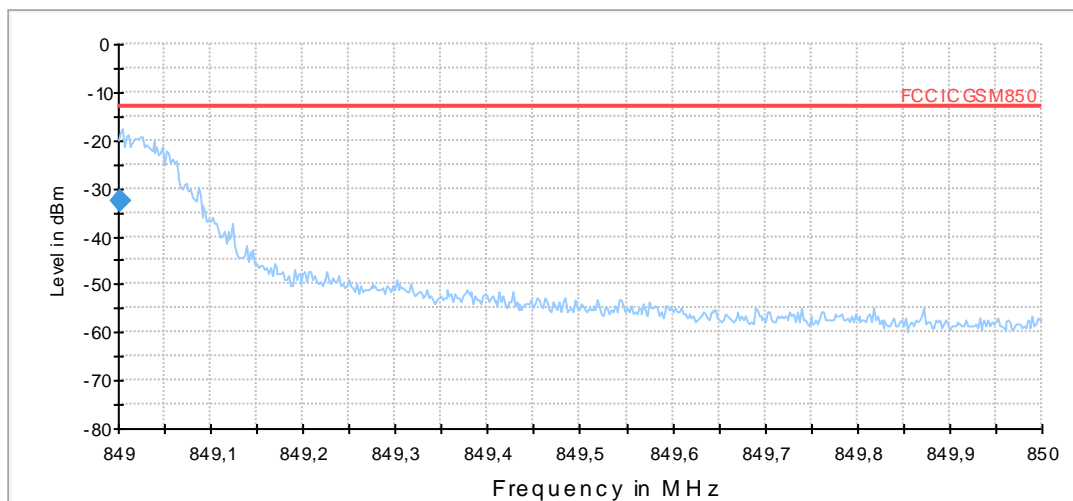
Test Description:	Radiated Band Edge Compliance GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917
Test SW Version:	EMC32 V8.53.0
Operating Mode:	MS allocated channel 251 (fc = 848.8MHz), GPRS-Mode
Exclusionband:	824 - 849MHz
Test SW Version:	EMC32 V8.53.0
Environmental Conditions:	Humidity: 52%rH; Temperature:23,8°C
Operator:	Lor

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	-

030403e_FCC_Part22_GSM850_TX_high_BE_CMU_RF3_RF4_no_Control



Final Result 1

Frequency (MHz)	RMS (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
849.002004	-32.7	10000.0	3.000	V	15.0	0.0	-76.0	19.7	-13.0

9.04b_BE_R_Ch251_GPRS

Common Information

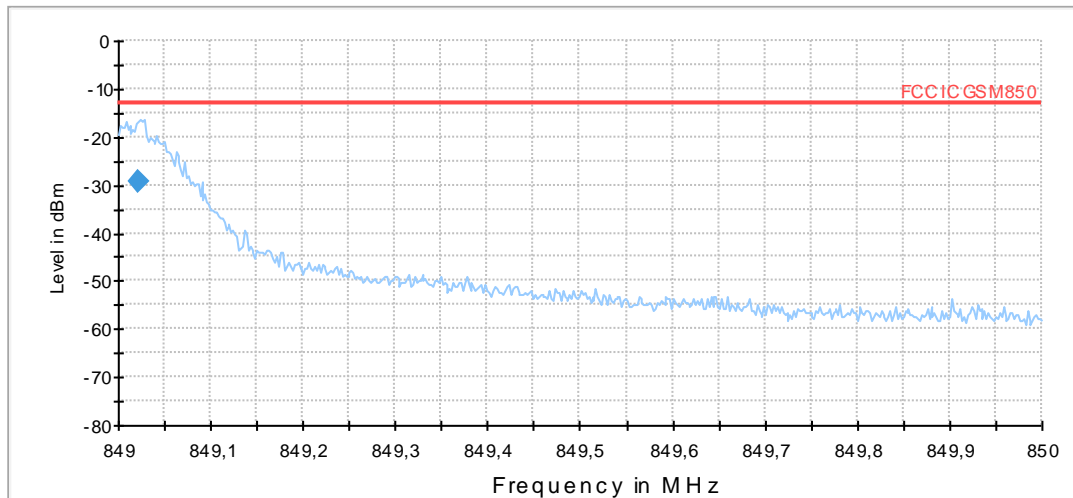
Test Description: Radiated Band Edge Compliance GSM850
 Test Site Location: CETECOM GmbH Essen
 Test Site: Fully Anechoic Room (FAR)
 Test Standard: FCC Part 22.917
 Operating Mode: MS allocated channel 251 (fc = 848.8MHz), GPRS
 Exclusionband: 824 - 849MHz
 SW Version: EMC32 V8.53.0
 Environmental Conditions: Humidity: 56%rH; Temperature: 23°C
 Operator: Lor

EUT Information

Manufacturer: peiker acoustic GmbH & Co. KG
 Model: ATM-01 T1-ROW-4G
 Type: GSM/UMTS/LTE Mobile Device

 EUT: PKD0354BD1c
 HW version: 202.005.005
 SW version: 001.014.004
 SVN: 02
 Config: C03
 Serial number: 0000500312
 Connected Interfaces: power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
 Power Supply: 14VDC external
 Comments: -

030403e_FCC_Part22_GSM850_TX_high_BE_CMU_RF3_RF4_no_Control



Final Result 1

Frequency (MHz)	RMS (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
849.022044	-29.4	10000.0	3.000	H	-25.0	90.0	-76.1	16.4	-13.0

1.5. Radiated emissions on 1900 MHz transmitting band-edge

9.09a_BE_R_Ch512_GPRS

Common Information

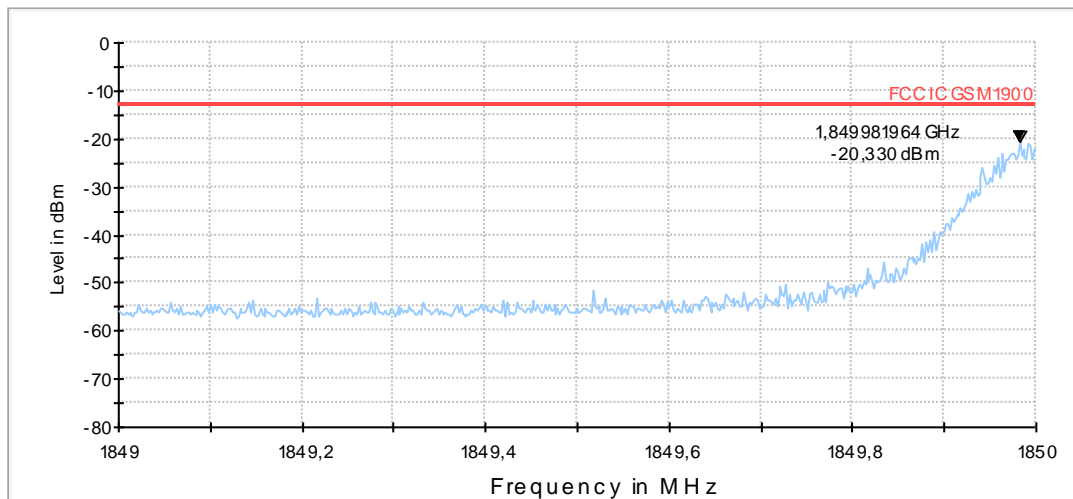
Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GPRS
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 45%rH; Temperature: 25°C
Operator:	YZH

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	elevation 0°

030405_FCC_Part24_GSM1900_TX_low_ch_band_edge



9.09b_BE_R_Ch512_GPRS

Common Information

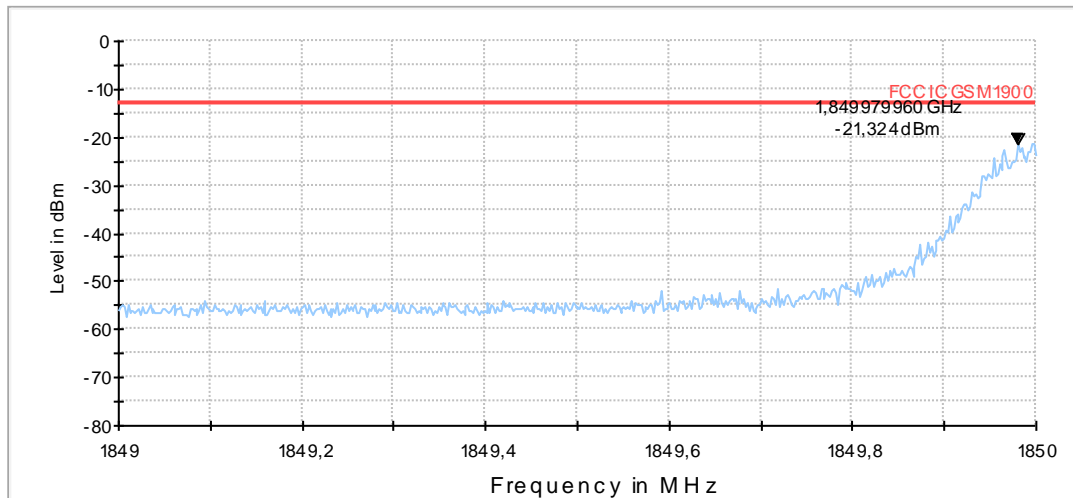
Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 45%rH; Temperature: 25°C
Operator:	YZH

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	elevation 90°

030405_FCC_Part24_GSM1900_TX_low_ch_band_edge



9.10a_BE_R_Ch810_GPRS

Common Information

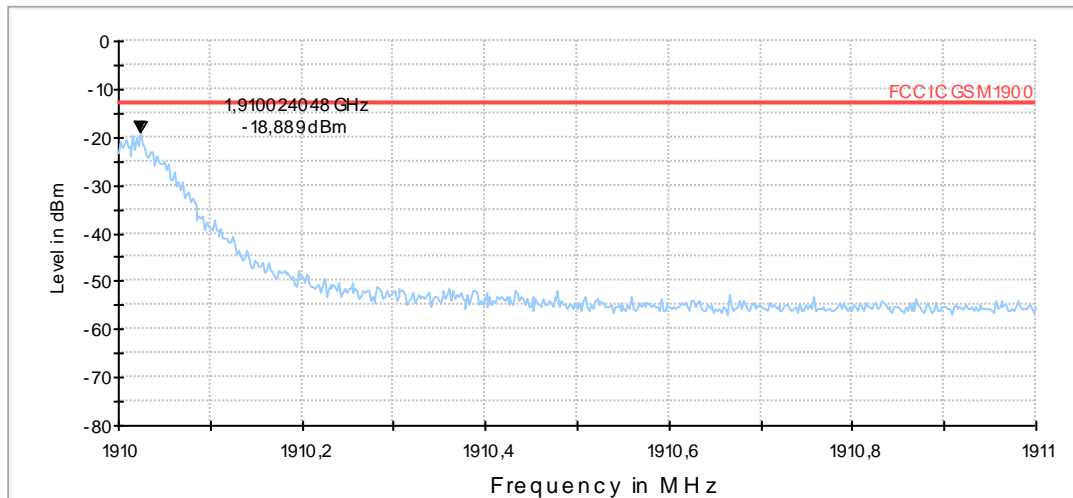
Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GPRS
Operating Mode:	MS allocated channel 810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 45%rH; Temperature: 25°C
Operator:	YZH

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	elevation 0°

030406_FCC_Part24_GSM1900_TX_high_ch_band_edge



9.10b_BE_R_Ch810_GPRS

Common Information

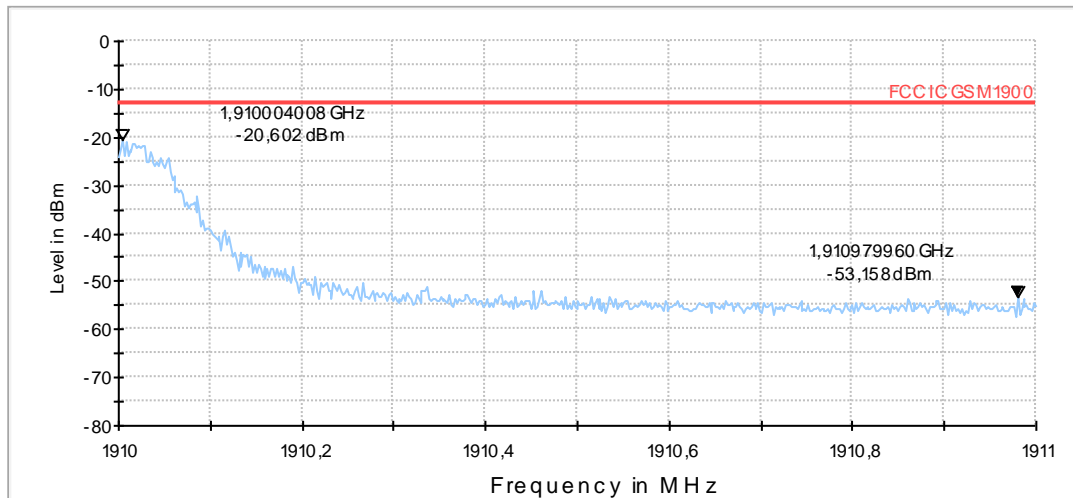
Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Comm. Link:	GPRS
Operating Mode:	MS allocated channel 810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 45%rH; Temperature: 25°C
Operator:	YZH

EUT Information

Manufacturer:	peiker acoustic GmbH & Co. KG
Model:	ATM-01 T1-ROW-4G
Type:	GSM/UMTS/LTE Mobile Device

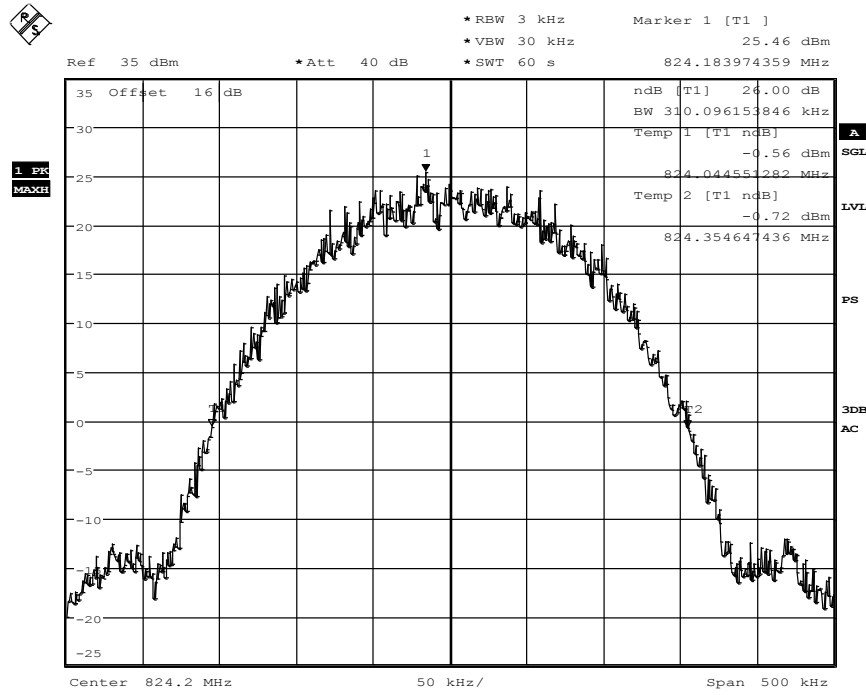
EUT:	PKD0354BD1c
HW version:	202.005.005
SW version:	001.014.004
SVN:	02
Config:	C03
Serial number:	0000500312
Connected Interfaces:	power cable, antenna cable, TRX antenna, DTX antenna, GPS antenna, microphone, loudspeaker
Power Supply:	14VDC external
Comments:	elevation 90°

030406_FCC_Part24_GSM1900_TX_high_ch_band_edge



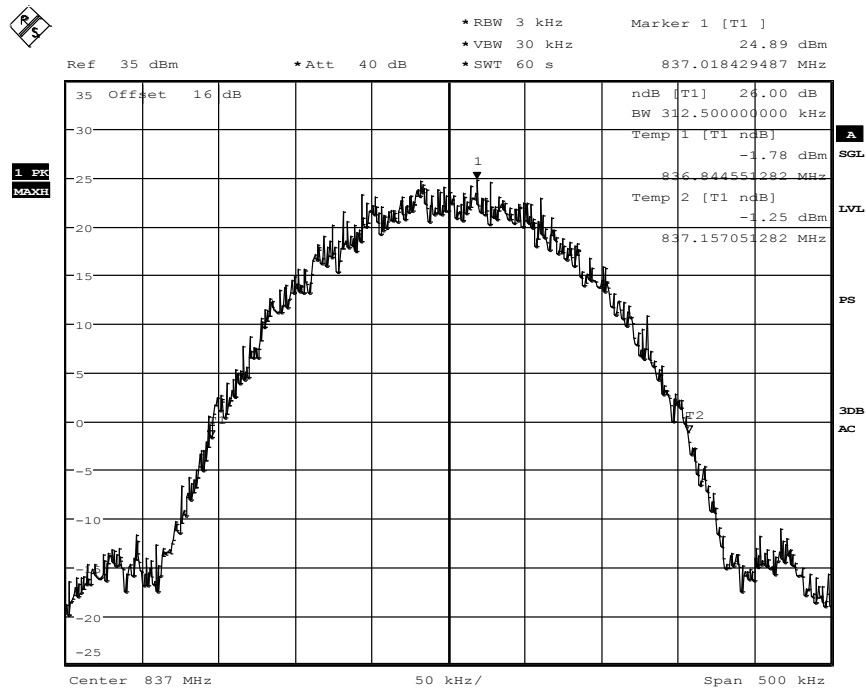
1.6. 26dBc Emission bandwidth

1.6.1. GPRS 850 MHz TX-Mode



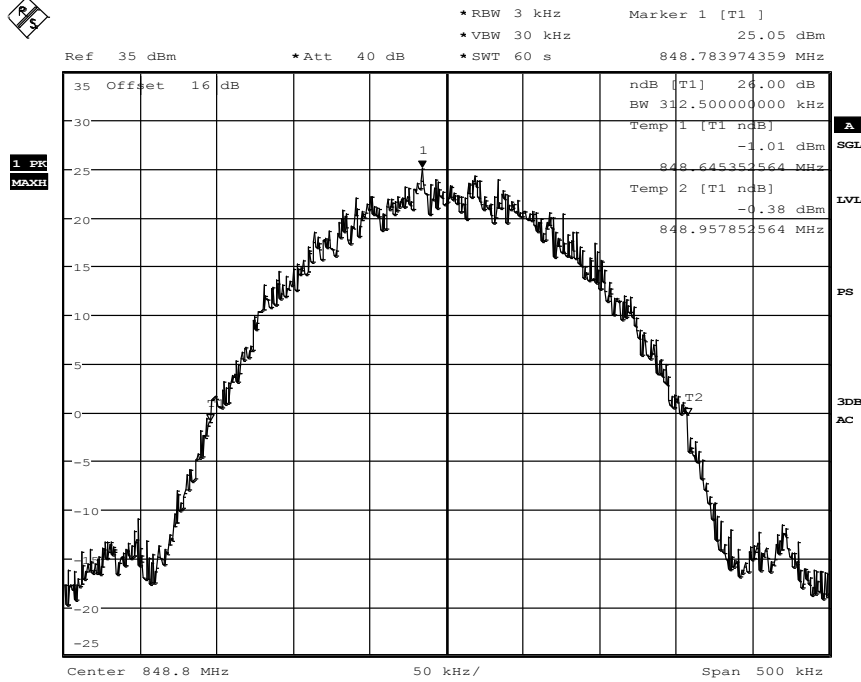
Date: 22.AUG.2014 20:16:12

Channel 128



Date: 22.AUG.2014 20:17:30

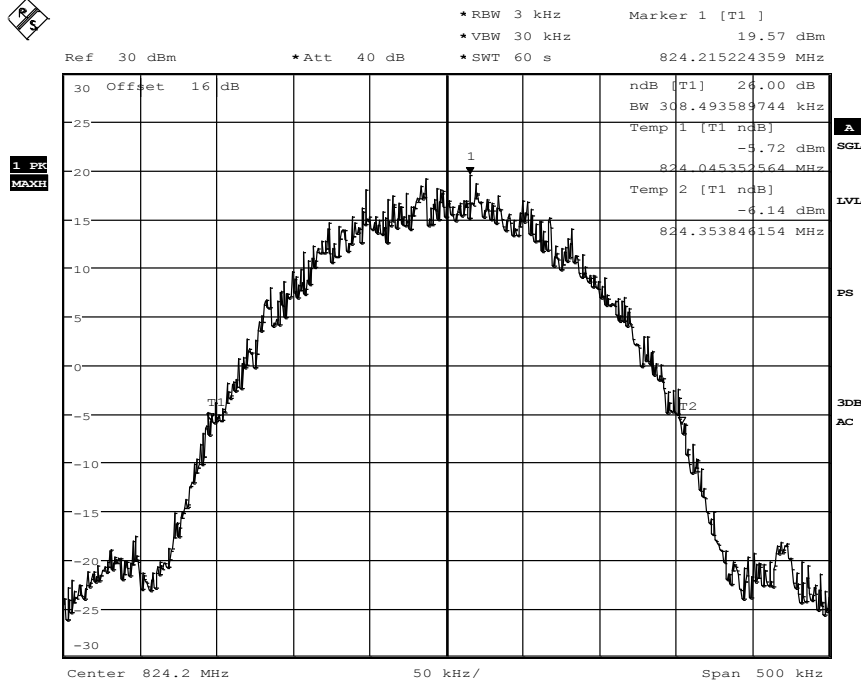
Channel 192



Date: 22.AUG.2014 20:18:49

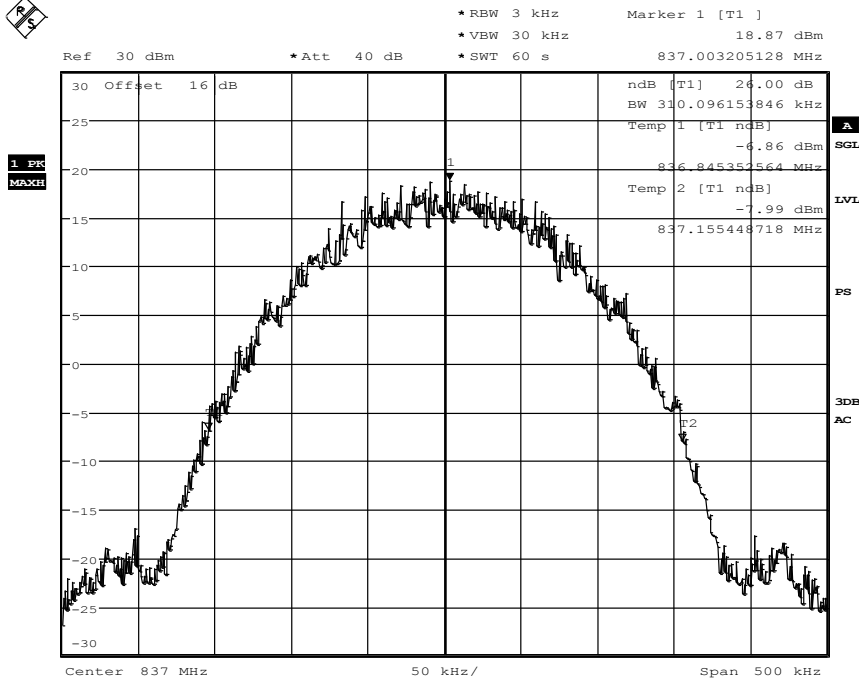
Channel 251

1.6.2. E-GPRS 850 MHz TX-Mode



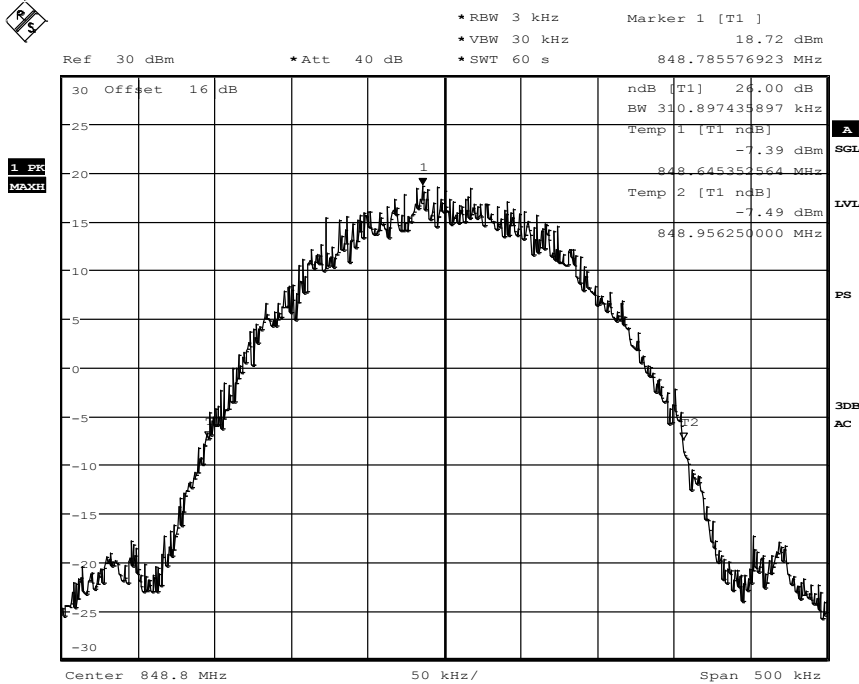
Date: 22.AUG.2014 20:14:02

Channel 128



Date: 22.AUG.2014 20:12:44

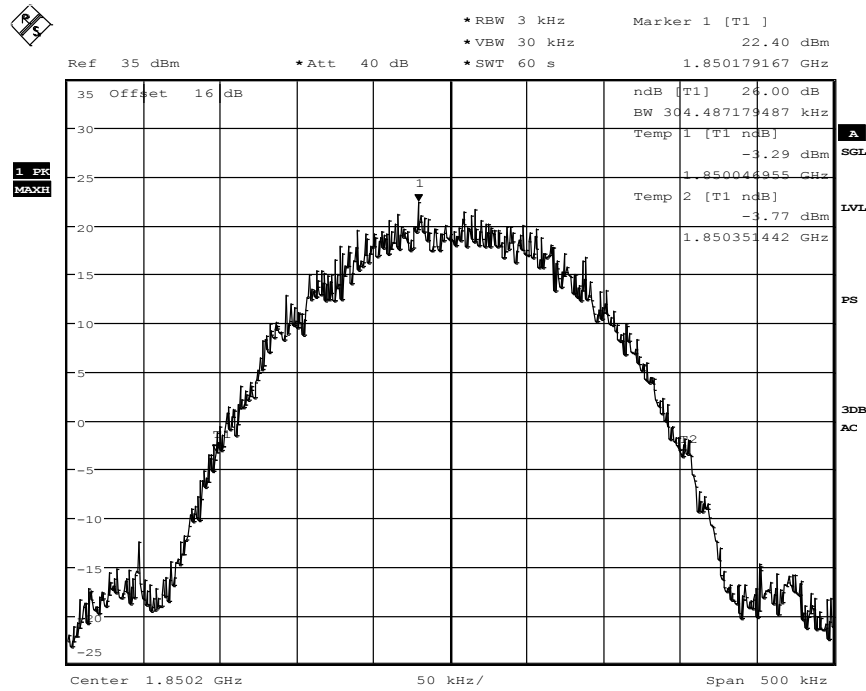
Channel 192



Date: 22.AUG.2014 20:11:29

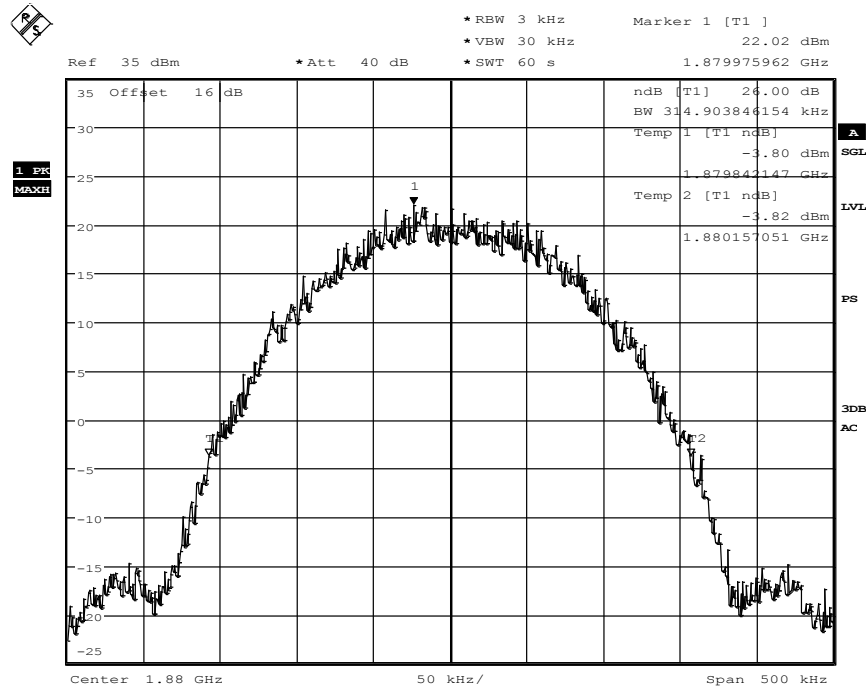
Channel 251

1.6.3. GPRS 1900 MHz TX-Mode



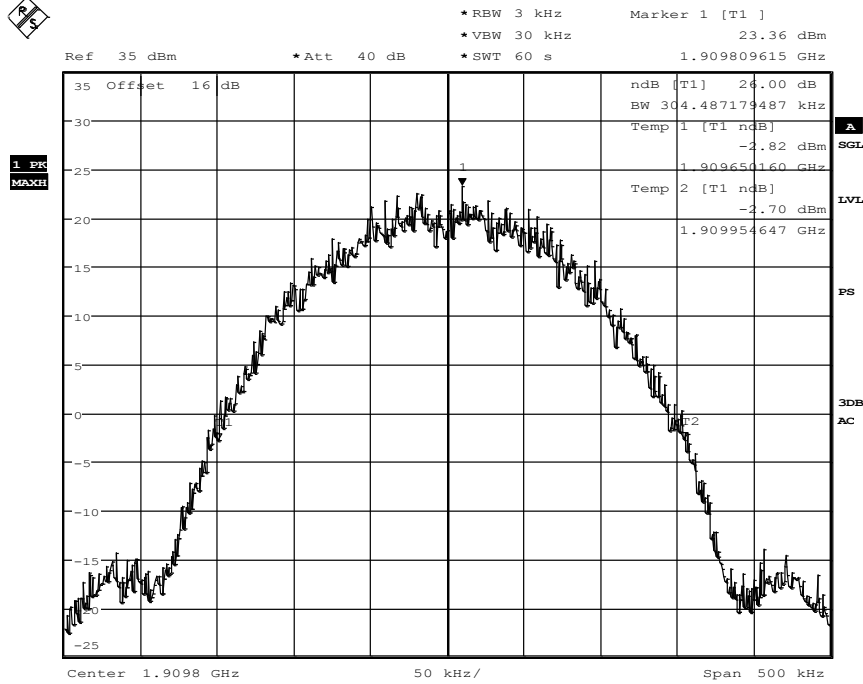
Date: 22.AUG.2014 20:20:40

Channel 512



Date: 22.AUG.2014 20:21:54

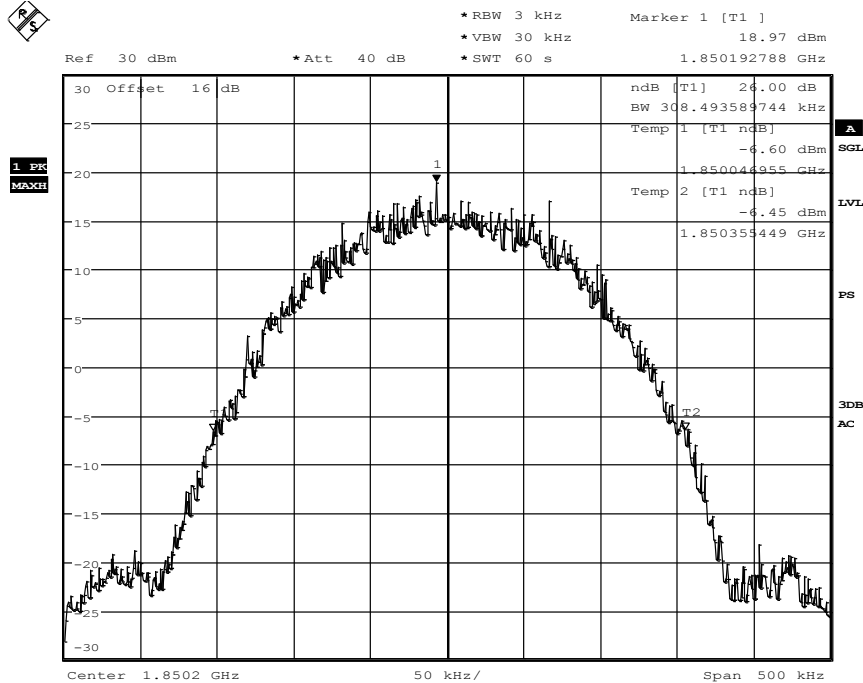
Channel 661



Date: 22.AUG.2014 20:23:36

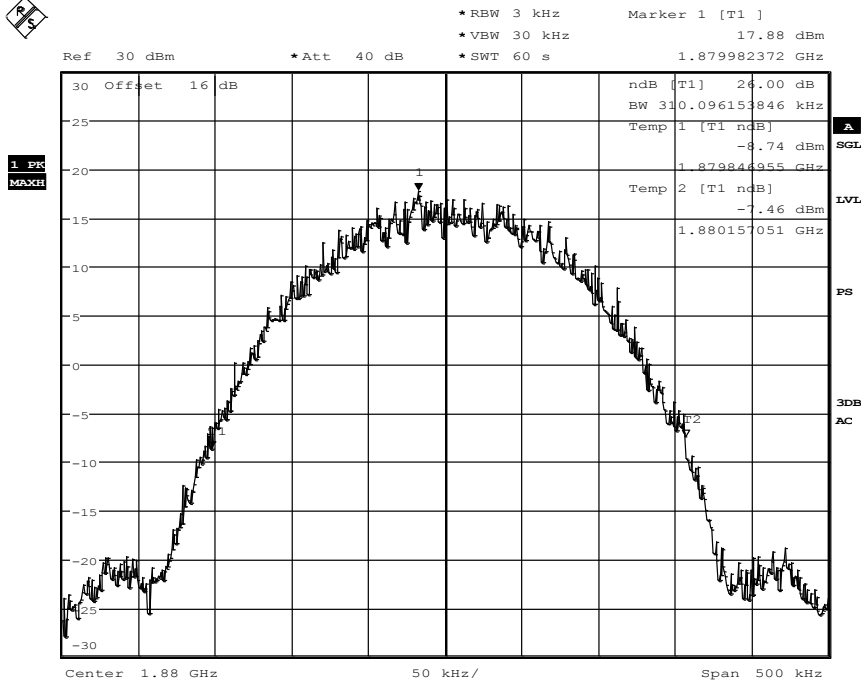
Channel 810

1.6.4. E-GPRS 1900 MHz TX-Mode



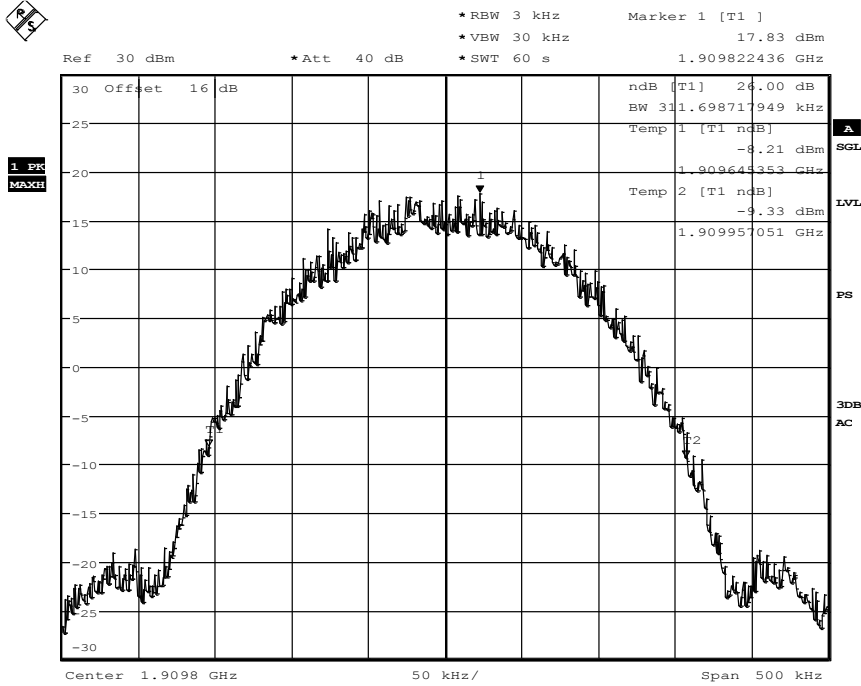
Date: 22.AUG.2014 20:30:48

Channel 512



Date: 22.AUG.2014 20:29:20

Channel 661

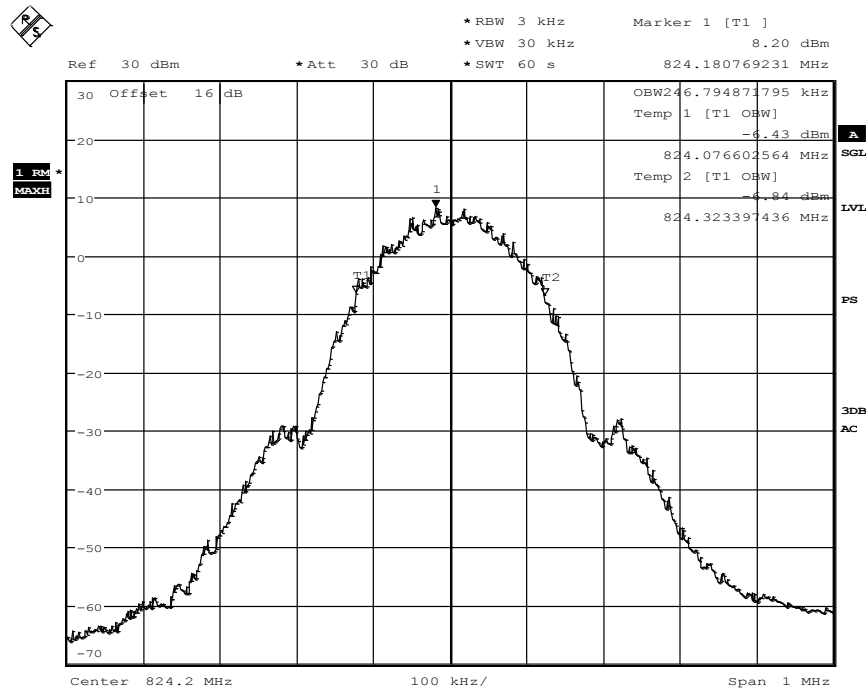


Date: 22.AUG.2014 20:28:03

Channel 810

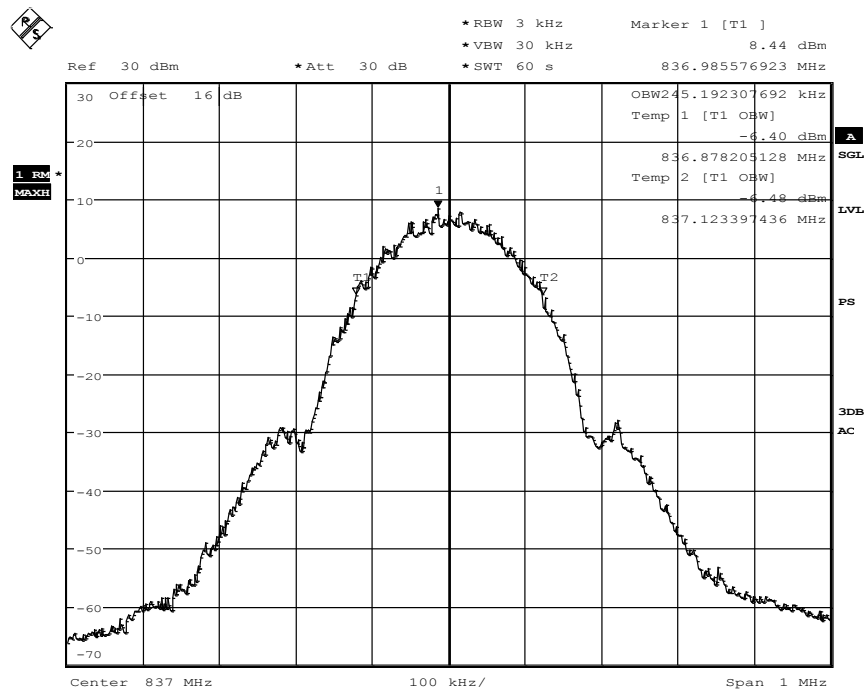
1.7. 99% Occupied bandwidth

1.7.1. GPRS 850 MHz TX-Mode



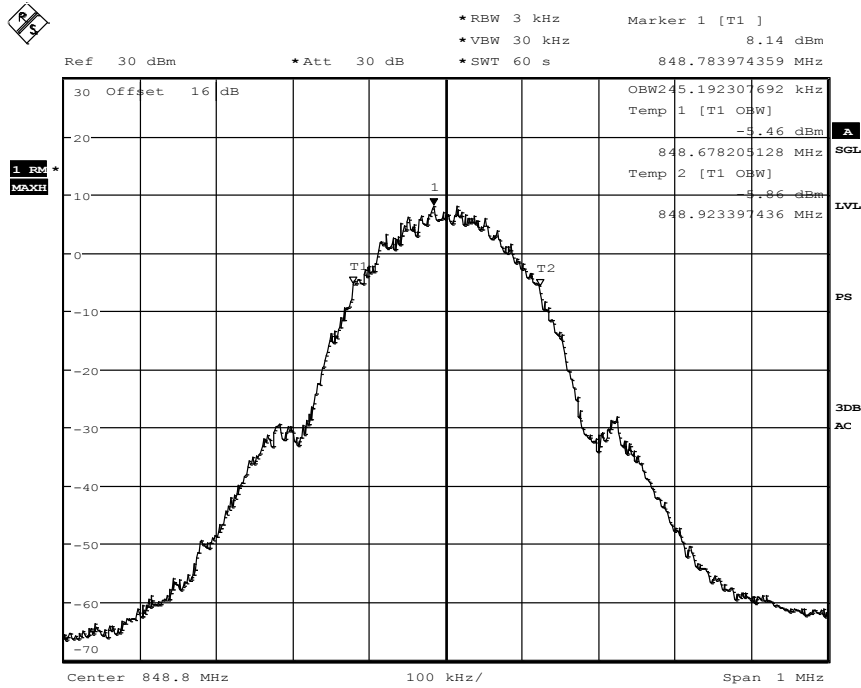
Date: 22.AUG.2014 20:44:50

Channel 128



Date: 22.AUG.2014 20:46:30

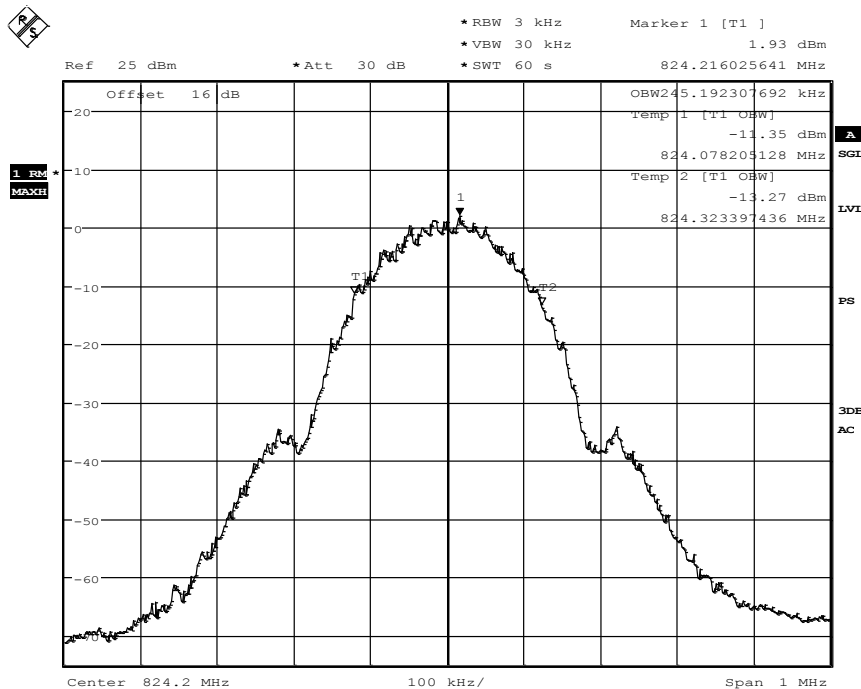
Channel 192



Date: 22.AUG.2014 20:48:03

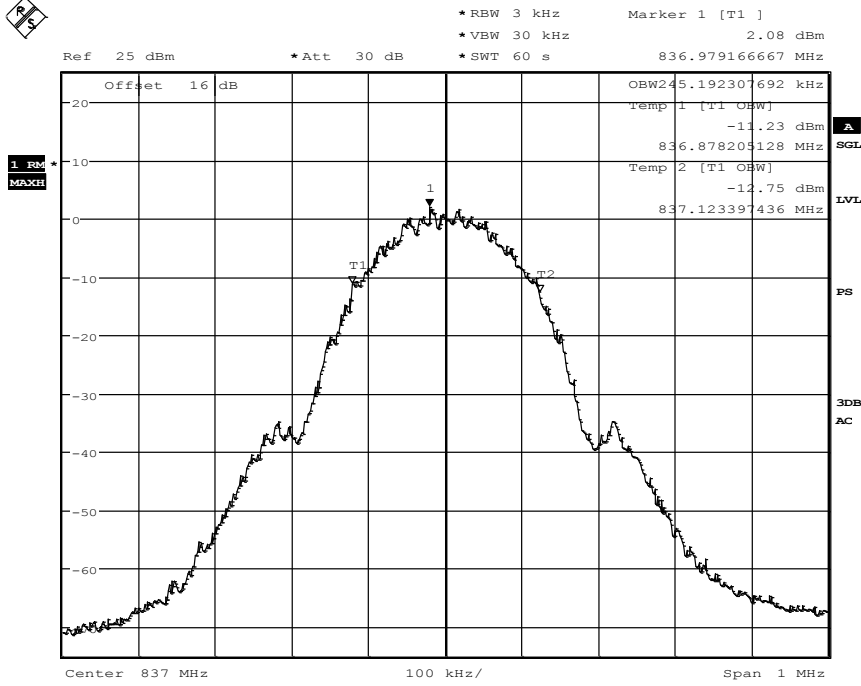
Channel 251

1.7.2. E-GPRS 850 MHz TX-Mode



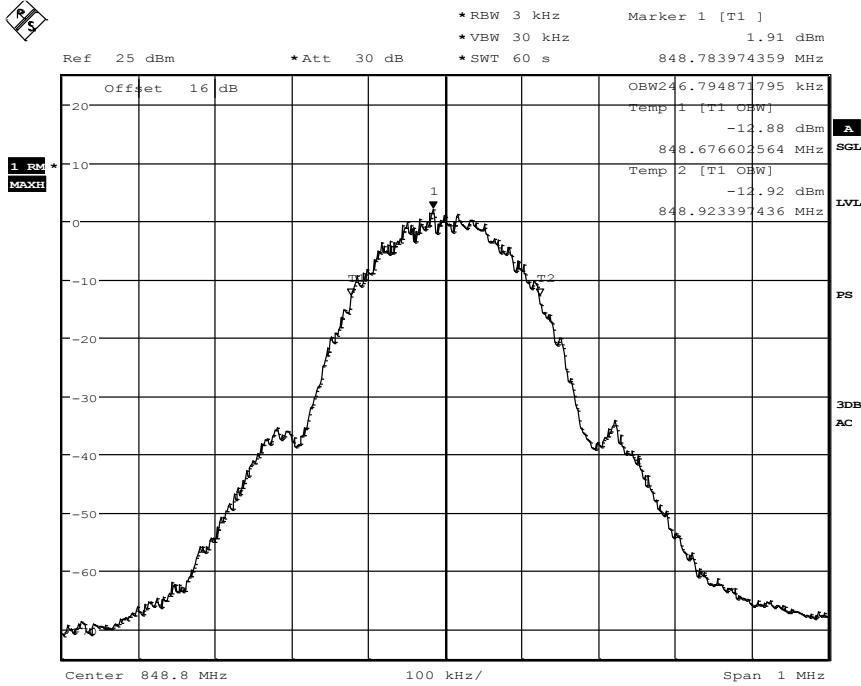
Date: 22.AUG.2014 20:54:07

Channel 128



Date: 22.AUG.2014 20:52:52

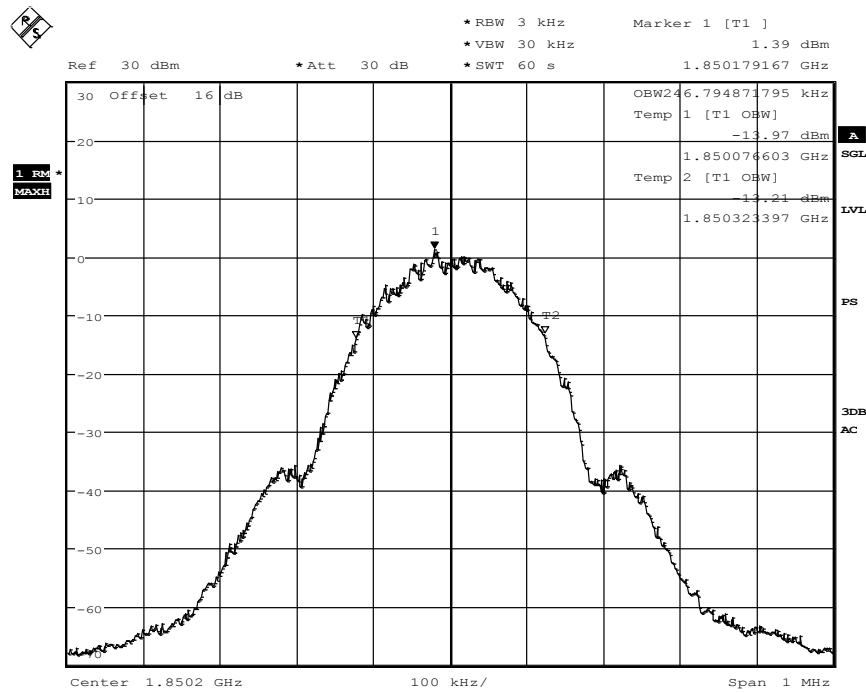
Channel 192



Date: 22.AUG.2014 20:51:37

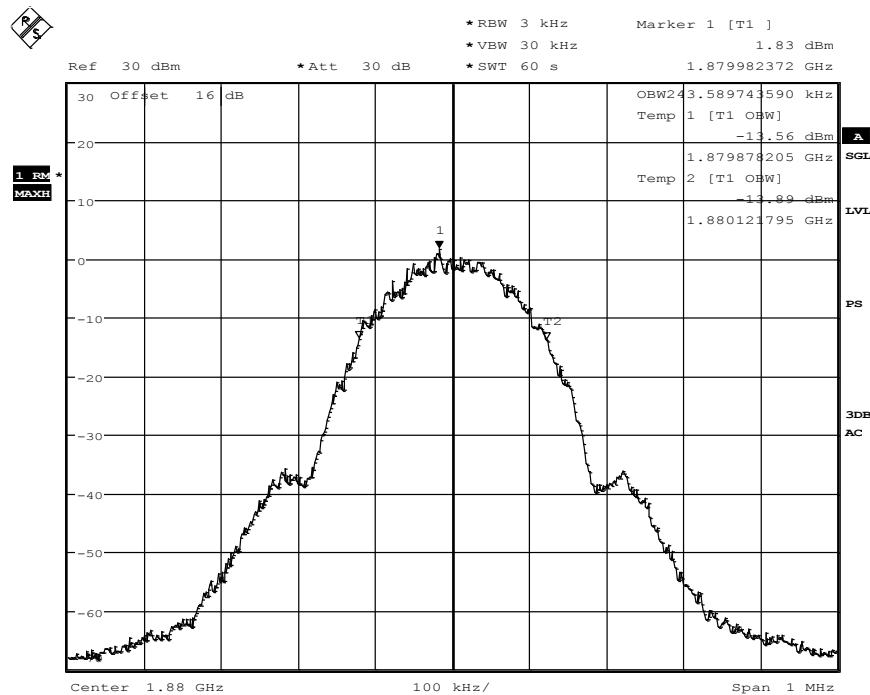
Channel 251

1.7.3. GPRS 1900 MHz TX-Mode



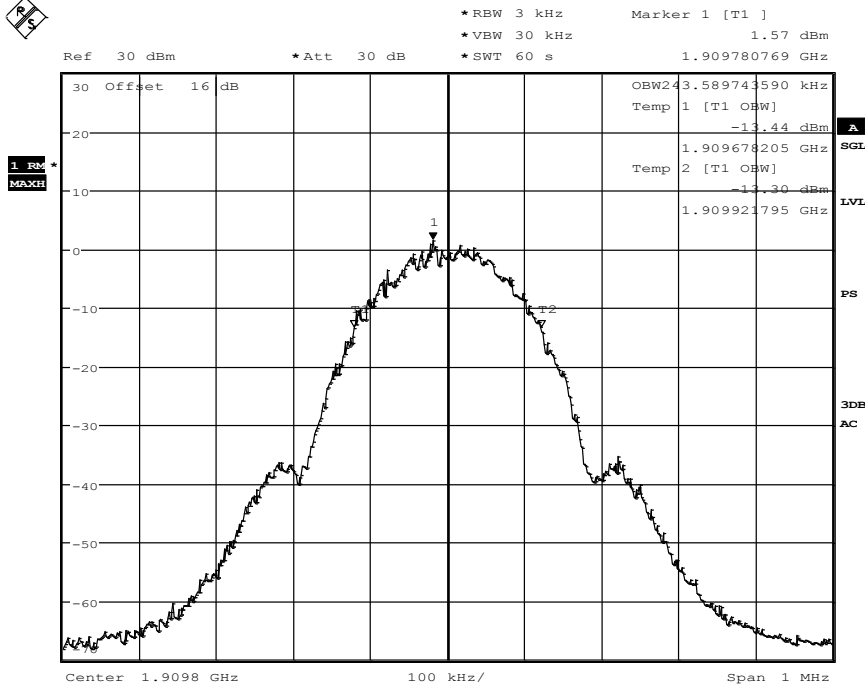
Date: 22.AUG.2014 20:42:27

Channel 512



Date: 22.AUG.2014 20:40:57

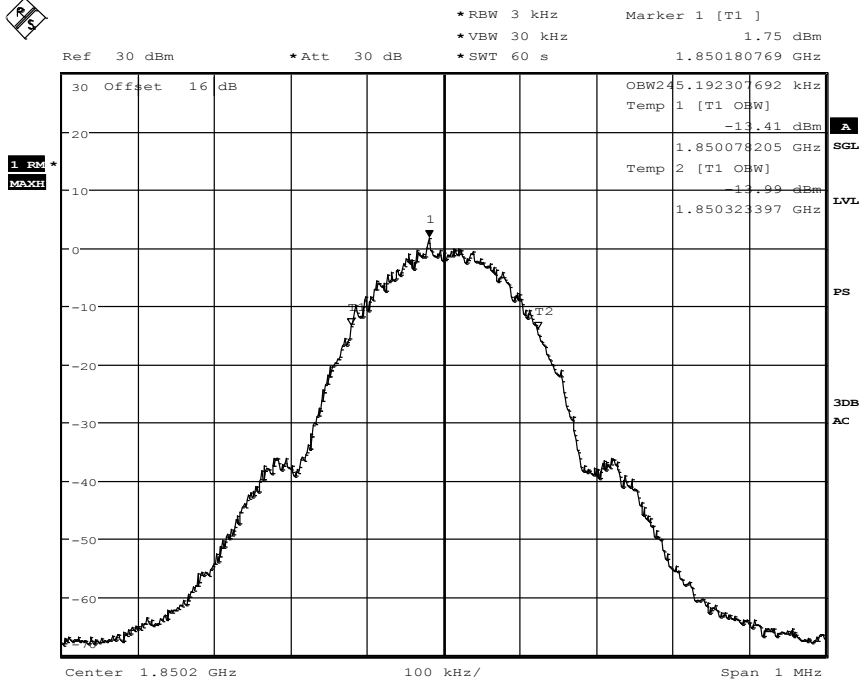
Channel 661



Date: 22.AUG.2014 20:39:19

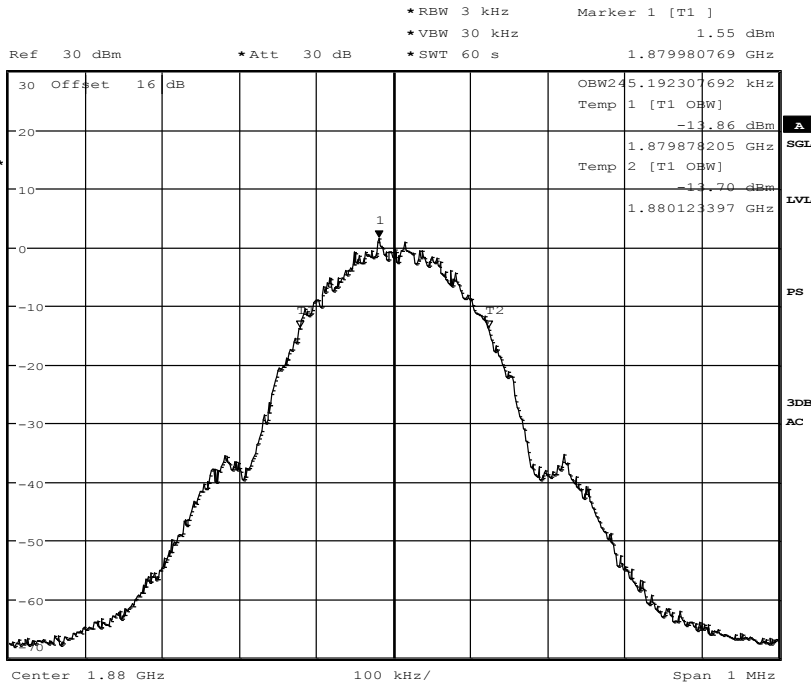
Channel 810

1.7.4. E-GPRS 1900 MHz TX-Mode



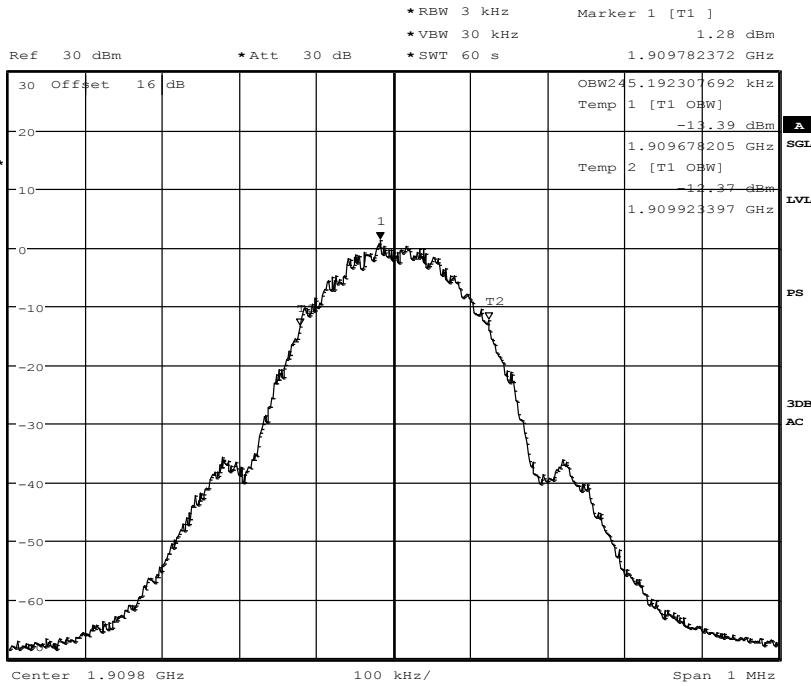
Date: 22.AUG.2014 20:34:23

Channel 512



Date: 22.AUG.2014 20:36:01

Channel 661



Date: 22.AUG.2014 20:37:23

Channel 810

1.8. Spurious emissions conducted (850 MHz transmitting mode)

Diagram No.: 36.01_RSE_CH128_GSM_Sweep1

Common Information

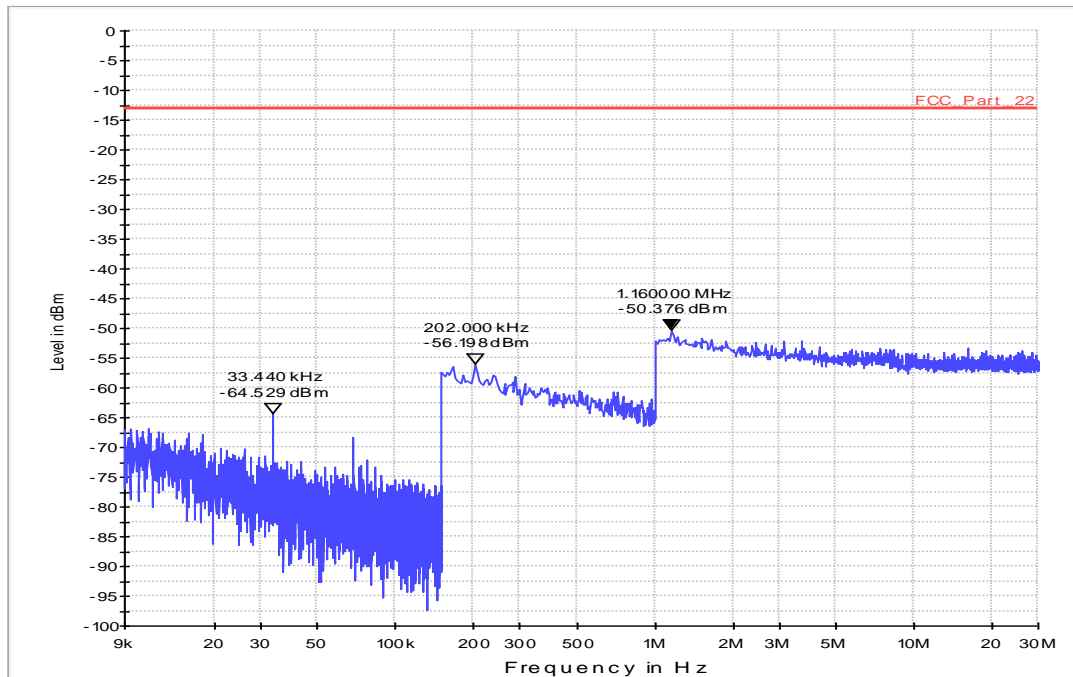
Test Description: TX Spurious Emission Conducted §2.1051
 Test Site: Radio laboratory 2
 Test Standard: FCC Part 22, IC RSS-132
 Environment conditions: Normal conditions (Vnominal, Tnominal)
 Operator name: dpa
 Operating mode: GSM 850; TX - Channel 128

EUT Information

Manufacturer: Peiker
 EuT: ATM-01 T1-ROW-4G

HW Version: 202.005.005
 SW Version: 001.014.004
 Serial Number: 000500309
 Connected Interfaces: --
 Power Supply: 14VDC
 Comments: --

Fula2_FCC_22_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_22_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup: Fula2_HW_08_FCC_22_24_6dB_coupler
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.02_RSE_CH128_GSM_Sweep2

Common Information

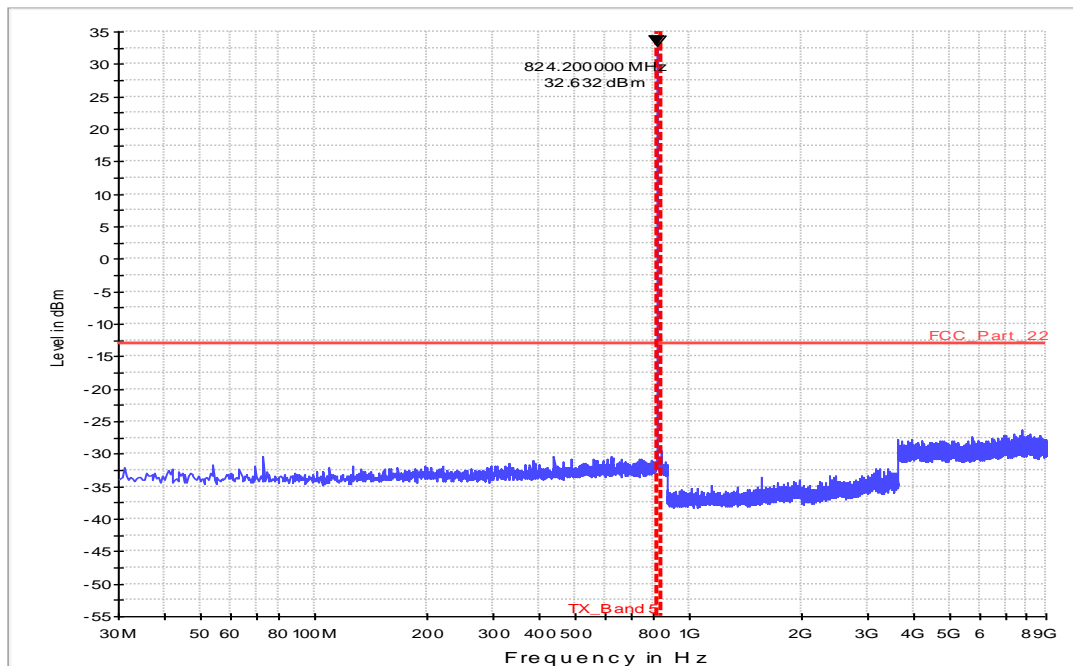
Test Description: TX Spurious Emission Conducted §2.1051
 Test Site: Radio laboratory 2
 Test Standard: FCC Part 24, RSS-133
 Environment conditions: Normal conditions (Vnominal, Tnominal)
 Operator name: dpa
 Operating mode: GSM 850; TX - Channel 128

EUT Information

Manufacturer: Peiker
 EuT: ATM-01 T1-ROW-4G

HW Version: 202.005.005
 SW Version: 001.014.004
 Serial Number: 000500309
 Connected Interfaces: --
 Power Supply: 14VDC
 Comments: --

Fula2_FCC_22_GSM_Scan2_30MHz_9GHz



Scan Setup: Fula2_FCC_22_GSM_Scan2_30MHz_9GHz [EMI radiated]

Hardware Setup: Fula2_HW_08_FCC_22_24_6dB_coupler
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 823 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
823 MHz - 850 MHz	400 kHz	PK+	1 MHz	0.02 s	0 dB
850 MHz - 880 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
880 MHz - 9 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

Diagram No.: 36.03_RSE_CH192_GSM_Sweep1

Common Information

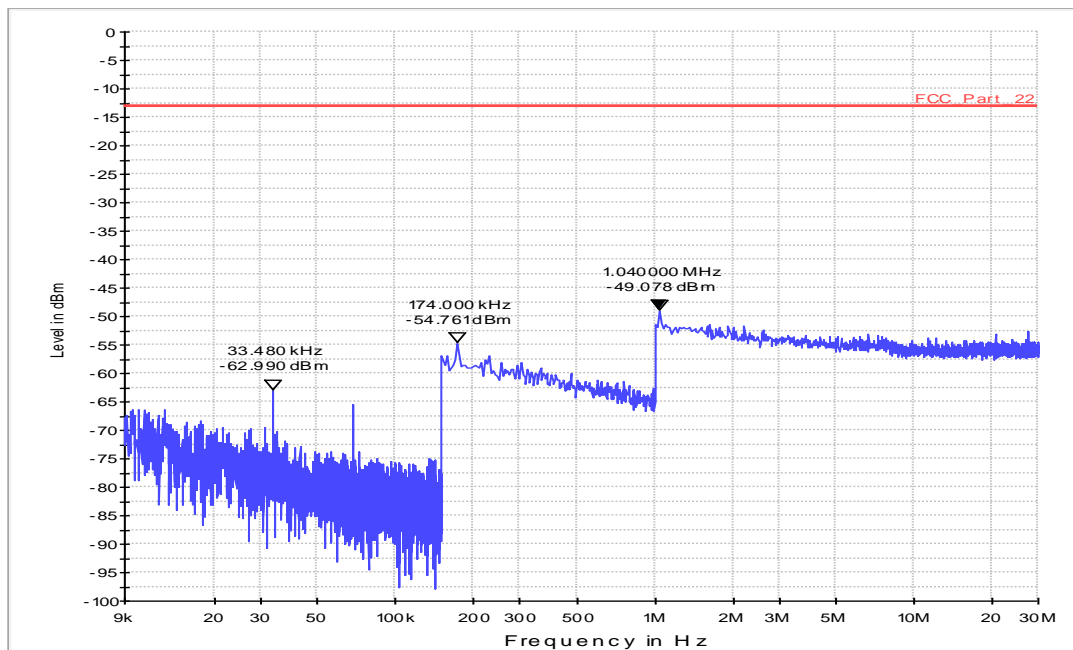
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 22, IC RSS-132
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM 850; TX - Channel 192

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_22_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_22_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.04_RSE_CH192_GSM_Sweep2

Common Information

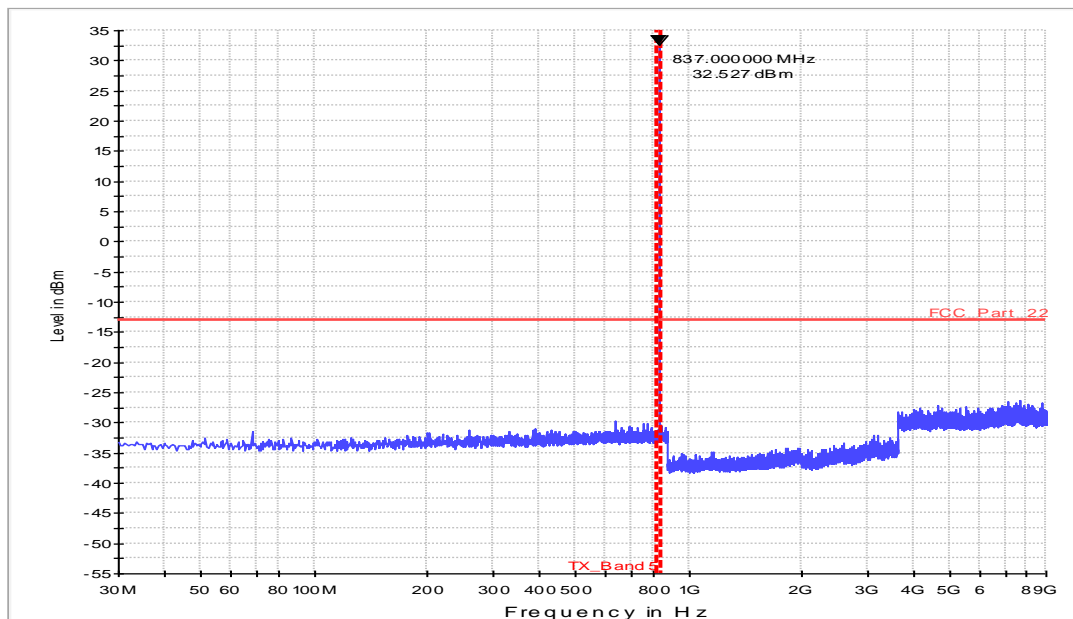
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM 850; TX - Channel 192

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_22_GSM_Scan2_30MHz_9GHz



Scan Setup: Fula2_FCC_22_GSM_Scan2_30MHz_9GHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 823 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
823 MHz - 850 MHz	400 kHz	PK+	1 MHz	0.02 s	0 dB
850 MHz - 880 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
880 MHz - 9 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

Diagram No.: 36.05_RSE_CH251_GSM_Sweep1

Common Information

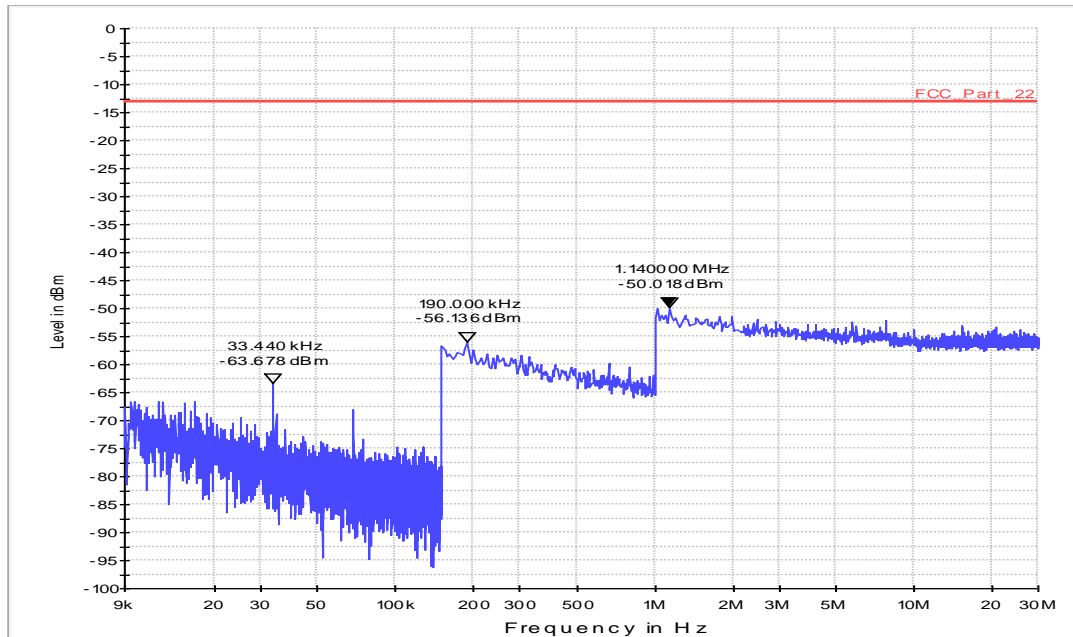
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 22, IC RSS-132
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM 850; TX - Channel 251

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_22_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_22_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.06_RSE_CH251_GSM_Sweep2

Common Information

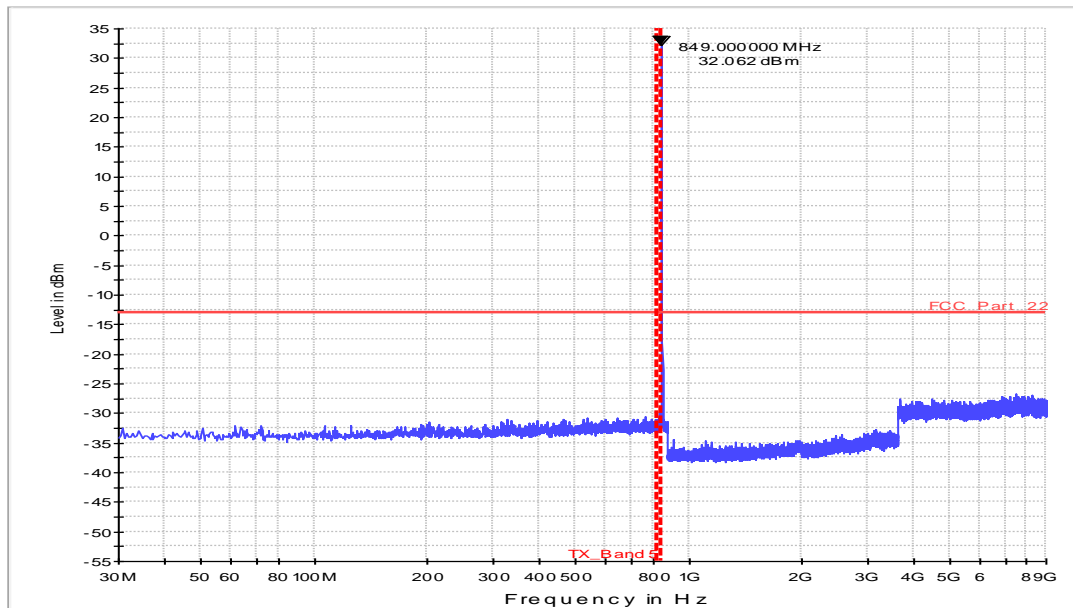
Test Description: TX Spurious Emission Conducted §2.1051
 Test Site: Radio laboratory 2
 Test Standard: FCC Part 24, RSS-133
 Environment conditions: Normal conditions (Vnominal, Tnominal)
 Operator name: dpa
 Operating mode: GSM 850; TX - Channel 251

EUT Information

Manufacturer: Peiker
 EuT: ATM-01 T1-ROW-4G

HW Version: 202.005.005
 SW Version: 001.014.004
 Serial Number: 000500309
 Connected Interfaces: --
 Power Supply: 14VDC
 Comments: --

Fula2_FCC_22_GSM_Scan2_30MHz_9GHz



Scan Setup: Fula2_FCC_22_GSM_Scan2_30MHz_9GHz [EMI radiated]

Hardware Setup: Fula2_HW_08_FCC_22_24_6dB_coupler
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 823 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
823 MHz - 850 MHz	400 kHz	PK+	1 MHz	0.02 s	0 dB
850 MHz - 880 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
880 MHz - 9 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

Diagram No.: 36.07_RSE_CH128_EGPRS_Sweep1

Common Information

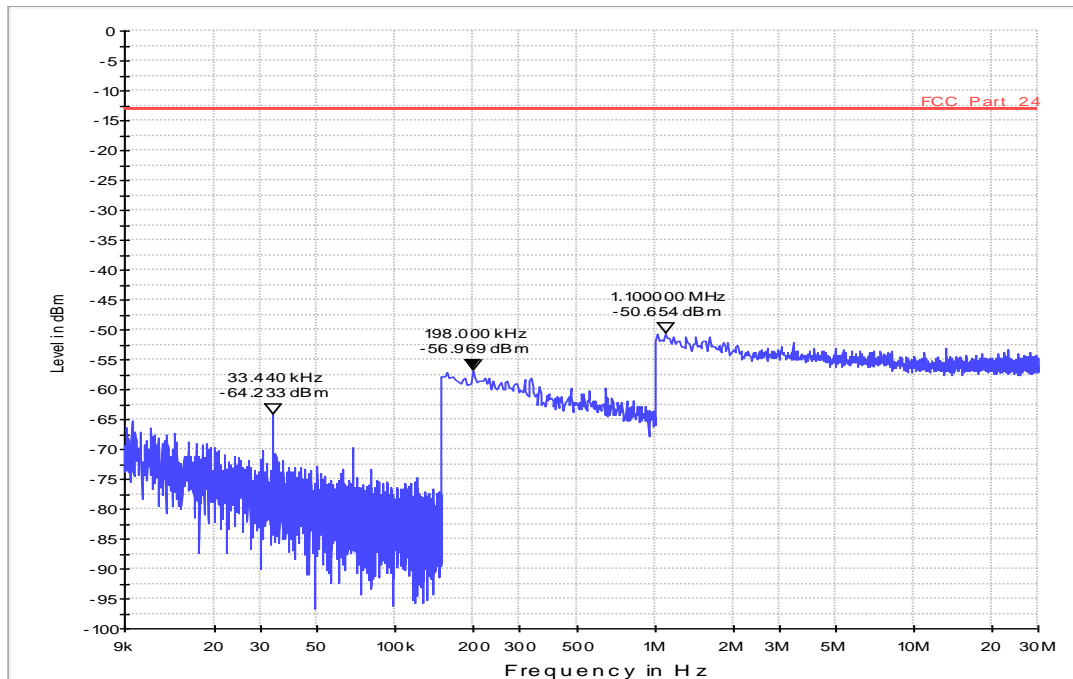
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 22, IC RSS-132
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM850 + EGPRS; TX on channel 128

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_22_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_22_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.08_RSE_CH128_EGPRS_Sweep2

Common Information

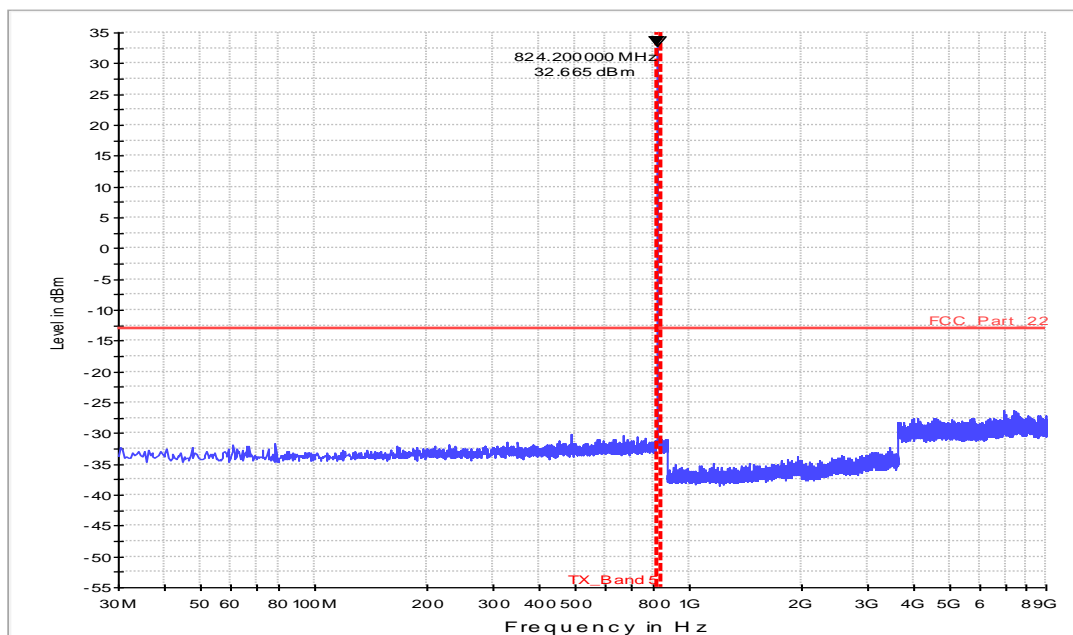
Test Description: TX Spurious Emission Conducted §2.1051
 Test Site: Radio laboratory 2
 Test Standard: FCC Part 22, IC RSS-132
 Environment conditions: Normal conditions (Vnominal, Tnominal)
 Operator name: dpa
 Operating mode: GSM850 + EGPRS; TX on channel 128

EUT Information

Manufacturer: Peiker
 EuT: ATM-01 T1-ROW-4G

HW Version: 202.005.005
 SW Version: 001.014.004
 Serial Number: 000500309
 Connected Interfaces: --
 Power Supply: 14VDC
 Comments: --

Fula2_FCC_22_GSM_Scan2_30MHz_9GHz



Scan Setup: Fula2_FCC_22_GSM_Scan2_30MHz_9GHz [EMI radiated]

Hardware Setup: Fula2_HW_08_FCC_22_24_6dB_coupler
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 823 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
823 MHz - 850 MHz	400 kHz	PK+	1 MHz	0.02 s	0 dB
850 MHz - 880 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
880 MHz - 9 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

Diagram No.: 36.09_RSE_CH192_EGPRS_Sweep1

Common Information

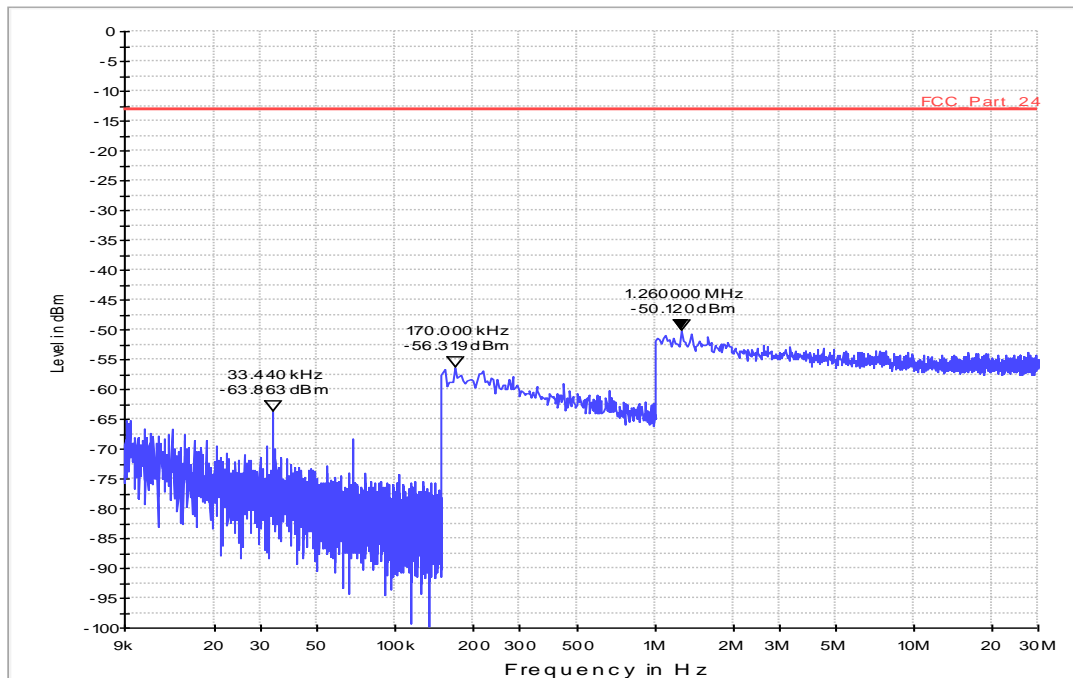
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 22, IC RSS-132
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM850 + EGPRS; TX on channel 192

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_22_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_22_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.10_RSE_CH192_EGPRS_Sweep2

Common Information

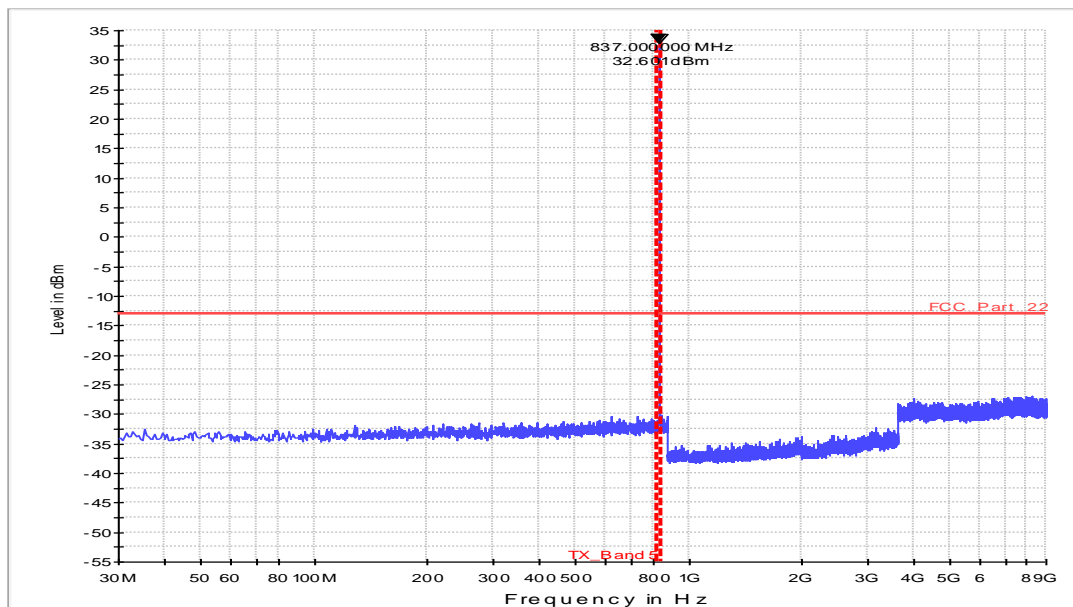
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 22, IC RSS-132
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM850 + EGPRS; TX on channel 192

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_22_GSM_Scan2_30MHz_9GHz



Scan Setup: Fula2_FCC_22_GSM_Scan2_30MHz_9GHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 823 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
823 MHz - 850 MHz	400 kHz	PK+	1 MHz	0.02 s	0 dB
850 MHz - 880 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
880 MHz - 9 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

Diagram No.: 36.11_RSE_CH251_EGPRS_Sweep1

Common Information

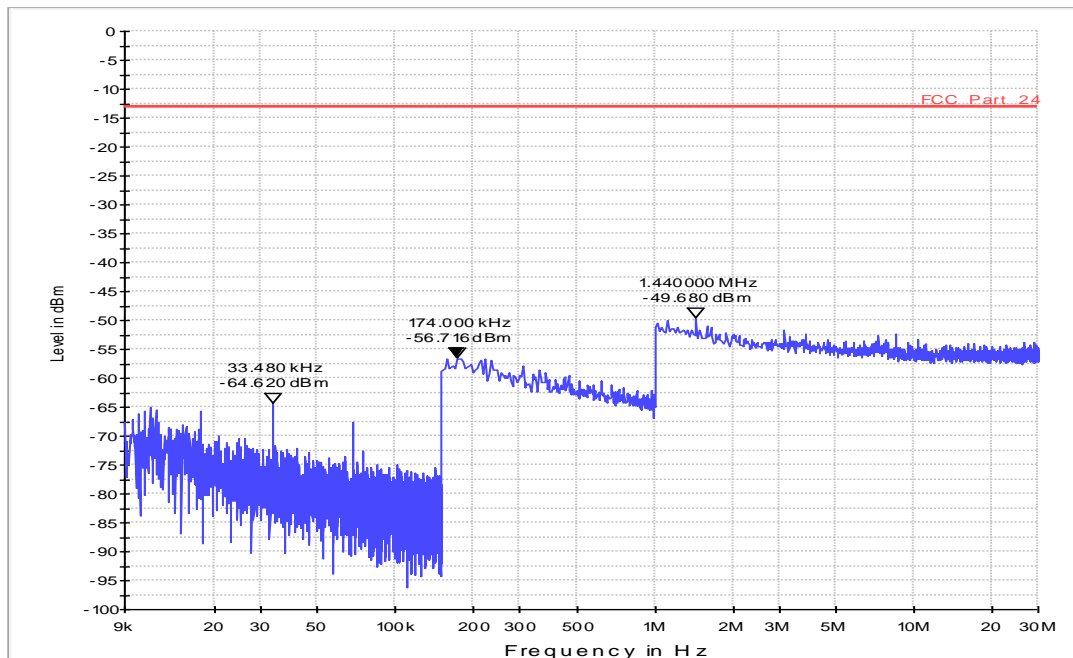
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 22, IC RSS-132
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM850 + EGPRS; TX on channel 251

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_22_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_22_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.12_RSE_CH251_EGPRS_Sweep2

Common Information

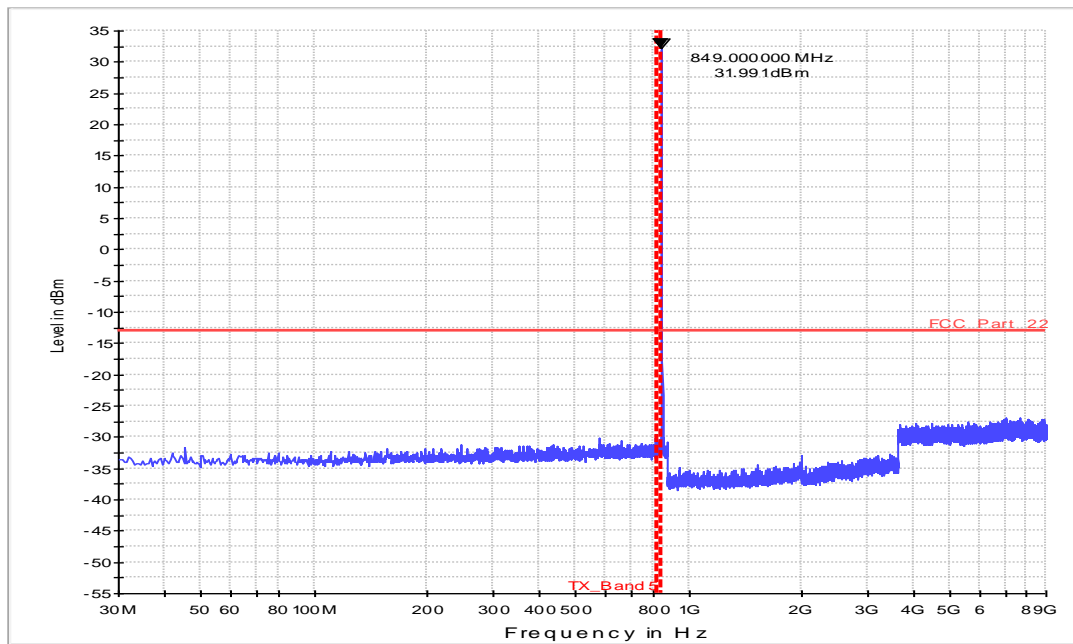
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 22, IC RSS-132
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM850 + EGPRS; TX on channel 251

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_22_GSM_Scan2_30MHz_9GHz



Scan Setup: Fula2_FCC_22_GSM_Scan2_30MHz_9GHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 823 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
823 MHz - 850 MHz	400 kHz	PK+	1 MHz	0.02 s	0 dB
850 MHz - 880 MHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
880 MHz - 9 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

1.9. Spurious emissions conducted (1900 MHz transmitting mode)

Diagram No.: 36.20_RSE_CH512_GSM_Sweep1

Common Information

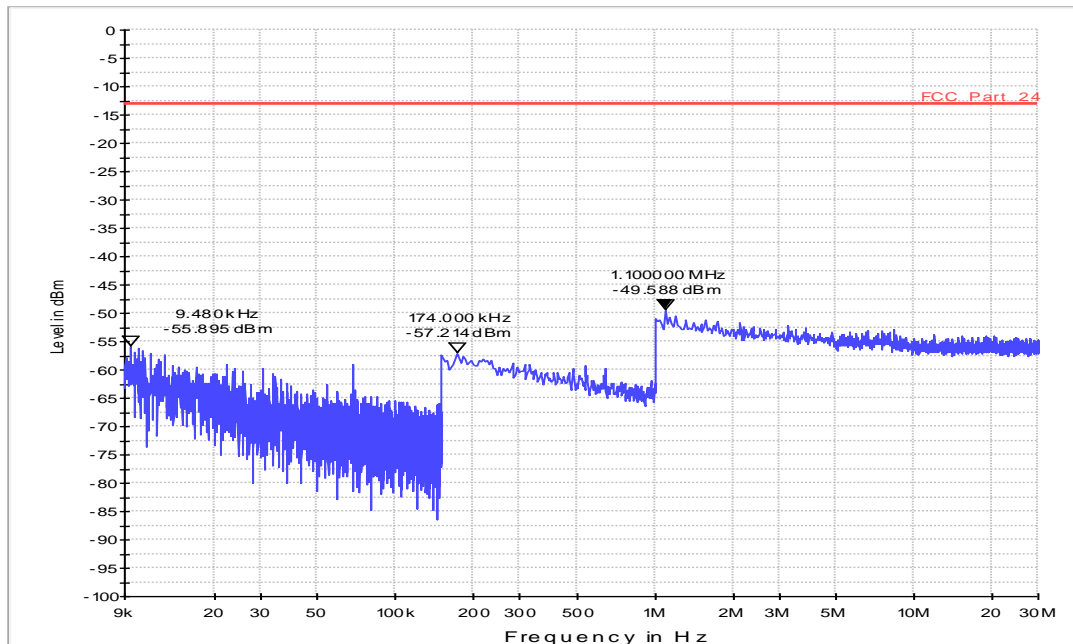
Test Description: TX Spurious Emission Conducted §2.1051
 Test Site: Radio laboratory 2
 Test Standard: FCC Part 24, RSS-133
 Environment conditions: Normal conditions (Vnominal, Tnominal)
 Operator name: dpa
 Operating mode: GSM1900; TX on channel 512

EUT Information

Manufacturer: Peiker
 EuT: ATM-01 T1-ROW-4G

HW Version: 202.005.005
 SW Version: 001.014.004
 Serial Number: 000500309
 Connected Interfaces: --
 Power Supply: 14VDC
 Comments: --

Fula2_FCC_24_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_24_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup: Fula2_HW_08_FCC_22_24_6dB_coupler
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.21_RSE_CH512_GSM_Sweep2

Common Information

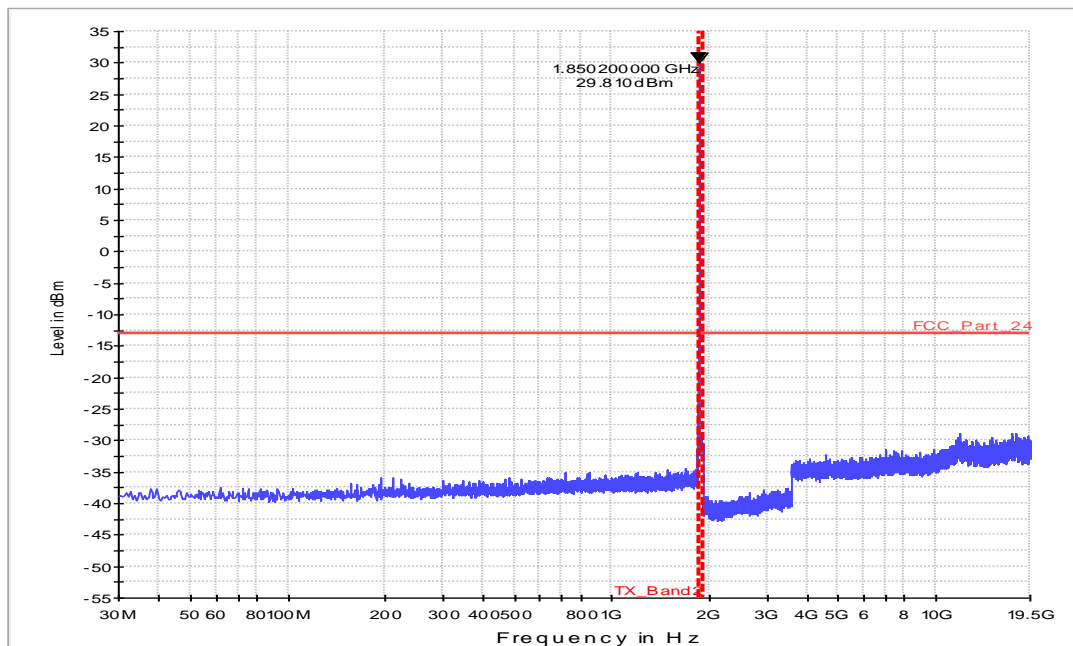
Test Description: TX Spurious Emission Conducted §2.1051
 Test Site: Radio laboratory 2
 Test Standard: FCC Part 24, RSS-133
 Environment conditions: Normal conditions (Vnominal, Tnominal)
 Operator name: dpa
 Operating mode: GSM1900; TX on channel 512

EUT Information

Manufacturer: Peiker
 EuT: ATM-01 T1-ROW-4G

HW Version: 202.005.005
 SW Version: 001.014.004
 Serial Number: 000500309
 Connected Interfaces: --
 Power Supply: 14VDC
 Comments: --

Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz



Scan Setup: Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz [EMI radiated]

Hardware Setup: Fula2_HW_08_FCC_22_24_6dB_coupler
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 1.849 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.849 GHz - 1.911 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.911 GHz - 1.915 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.915 GHz - 19.5 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

Diagram No.: 36.22_RSE_CH661_GSM_Sweep1

Common Information

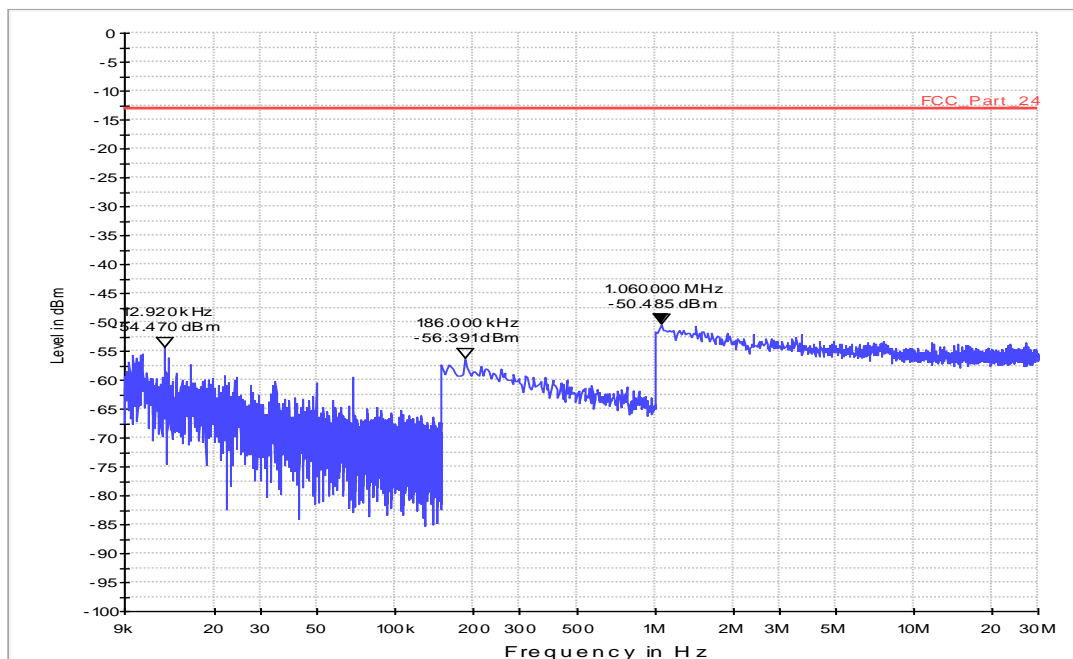
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM1900; TX on channel 661

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_24_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.23_RSE_CH661_GSM_Sweep2

Common Information

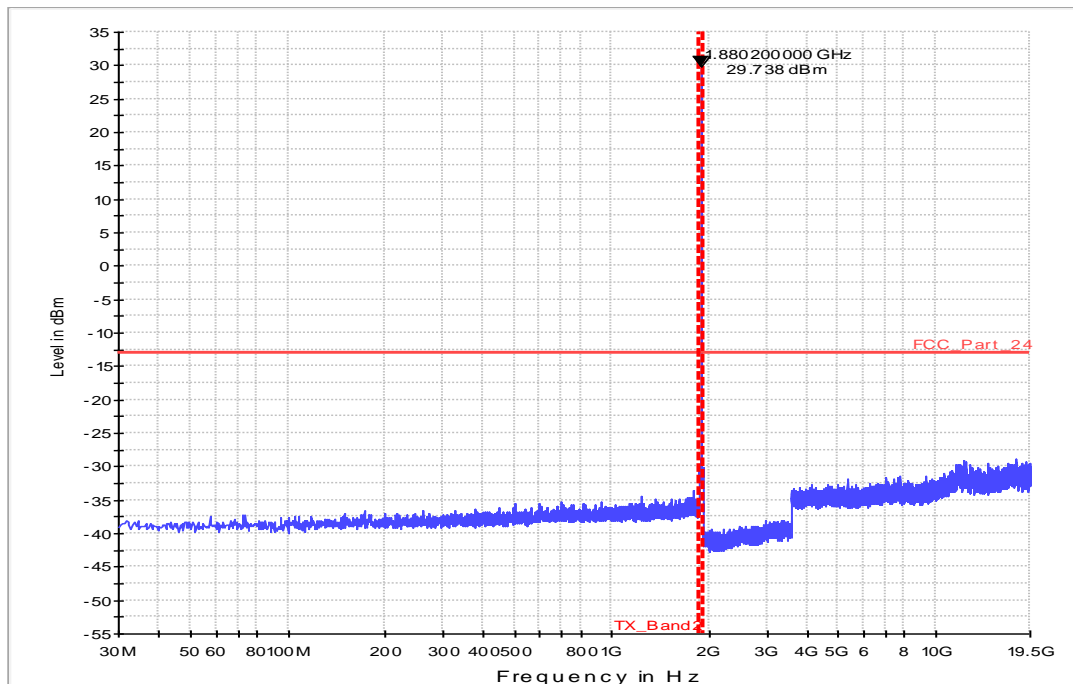
Test Description: TX Spurious Emission Conducted §2.1051
 Test Site: Radio laboratory 2
 Test Standard: FCC Part 24, RSS-133
 Environment conditions: Normal conditions (Vnominal, Tnominal)
 Operator name: dpa
 Operating mode: GSM1900; TX on channel 661

EUT Information

Manufacturer: Peiker
 EuT: ATM-01 T1-ROW-4G

HW Version: 202.005.005
 SW Version: 001.014.004
 Serial Number: 000500309
 Connected Interfaces: --
 Power Supply: 14VDC
 Comments: --

Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz



Scan Setup: Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz [EMI radiated]

Hardware Setup: Fula2_HW_08_FCC_22_24_6dB_coupler
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 1.849 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.849 GHz - 1.911 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.911 GHz - 1.915 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.915 GHz - 19.5 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

Diagram No.: 36.24_RSE_CH810_GSM_Sweep1

Common Information

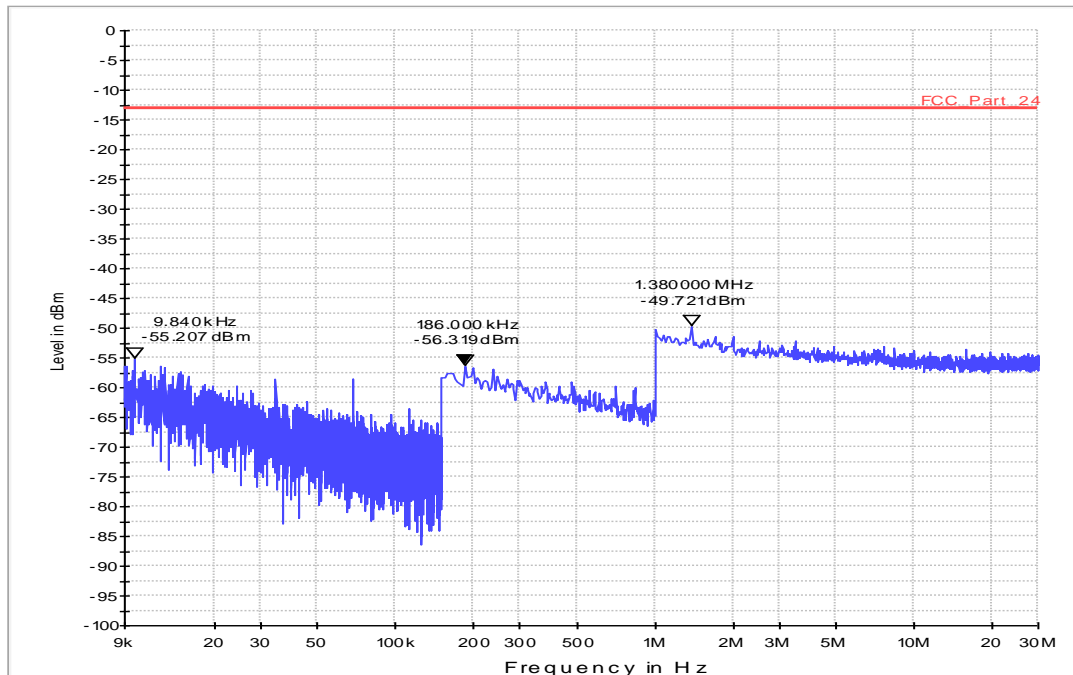
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM1900; TX on channel 810

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_24_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.25_RSE_CH810_GSM_Sweep2

Common Information

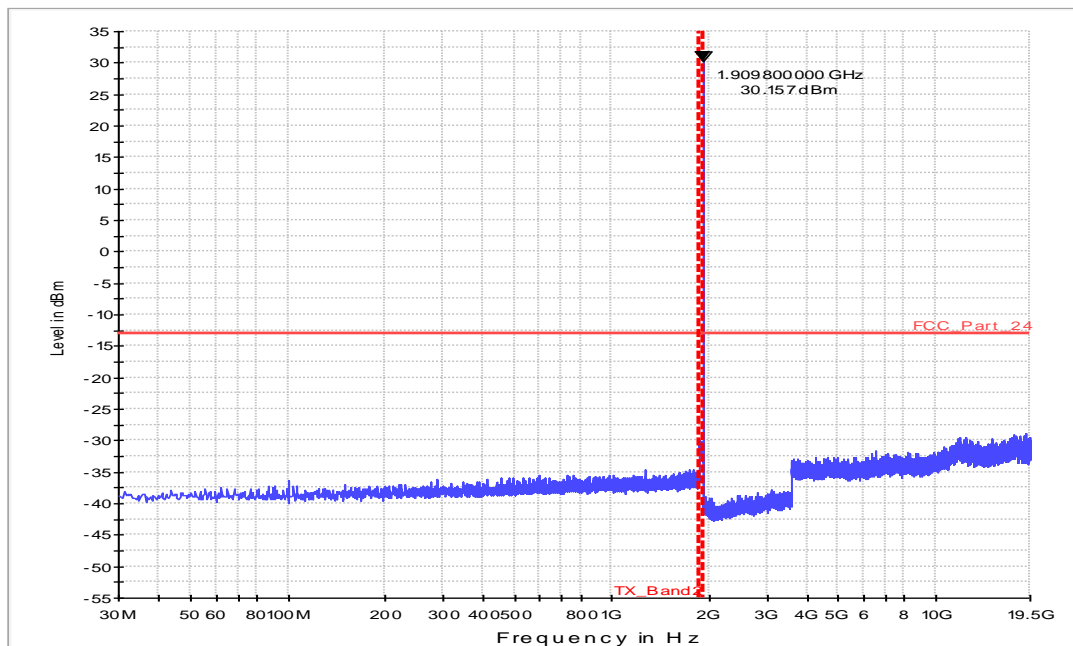
Test Description: TX Spurious Emission Conducted §2.1051
 Test Site: Radio laboratory 2
 Test Standard: FCC Part 24, RSS-133
 Environment conditions: Normal conditions (Vnominal, Tnominal)
 Operator name: dpa
 Operating mode: GSM1900; TX on channel 810

EUT Information

Manufacturer: Peiker
 EuT: ATM-01 T1-ROW-4G

HW Version: 202.005.005
 SW Version: 001.014.004
 Serial Number: 000500309
 Connected Interfaces: --
 Power Supply: 14VDC
 Comments: --

Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz



Scan Setup: Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz [EMI radiated]

Hardware Setup: Fula2_HW_08_FCC_22_24_6dB_coupler
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 1.849 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.849 GHz - 1.911 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.911 GHz - 1.915 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.915 GHz - 19.5 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

Diagram No.: 36.26_RSE_CH512_EGPRS_Sweep1

Common Information

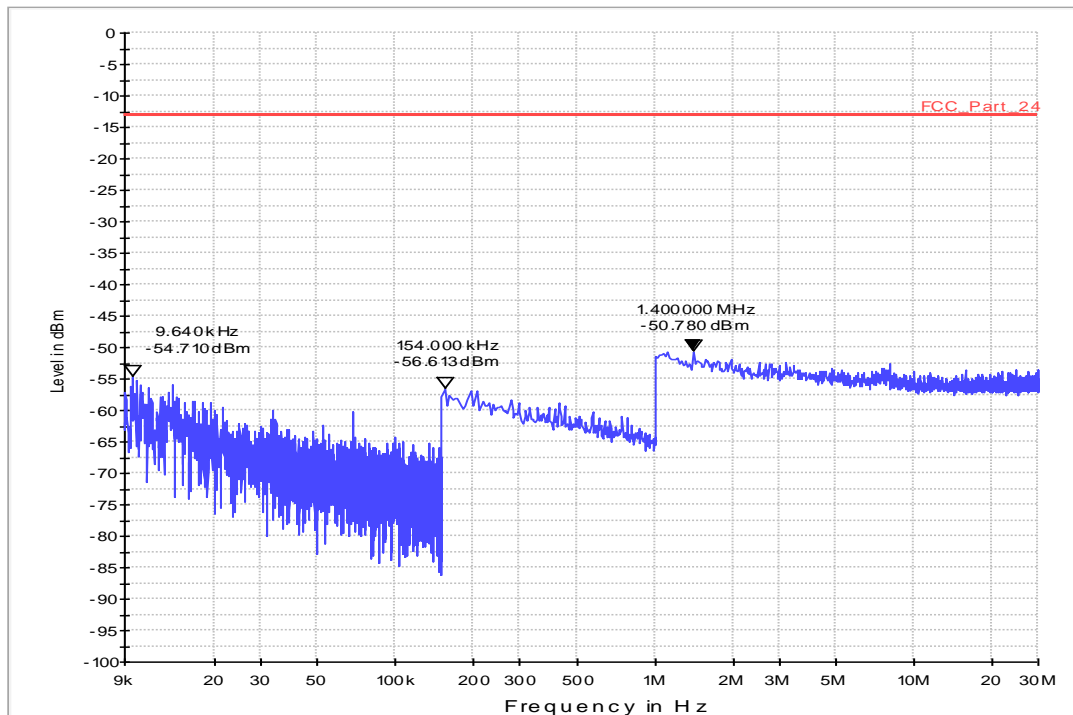
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM1900 + EGPRS; TX on channel 512

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_24_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.27_RSE_CH512_EGPRS_Sweep2

Common Information

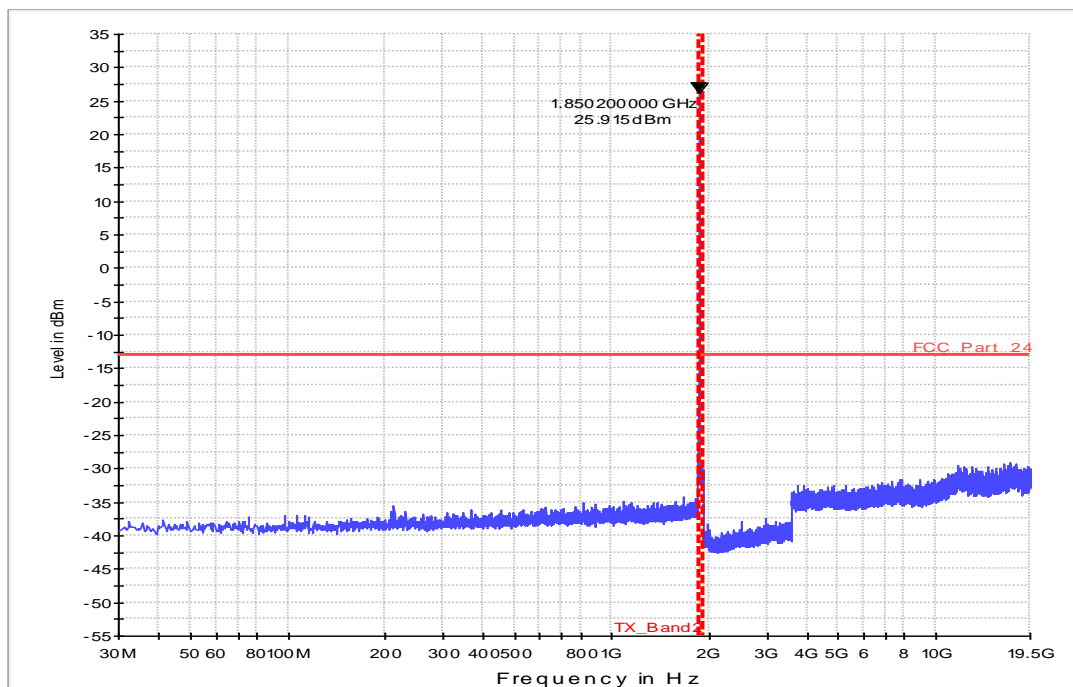
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM1900 + EGPRS; TX on channel 512

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz



Scan Setup: Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 1.849 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.849 GHz - 1.911 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.911 GHz - 1.915 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.915 GHz - 19.5 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

Diagram No.: 36.28_RSE_CH661_EGPRS_Sweep1

Common Information

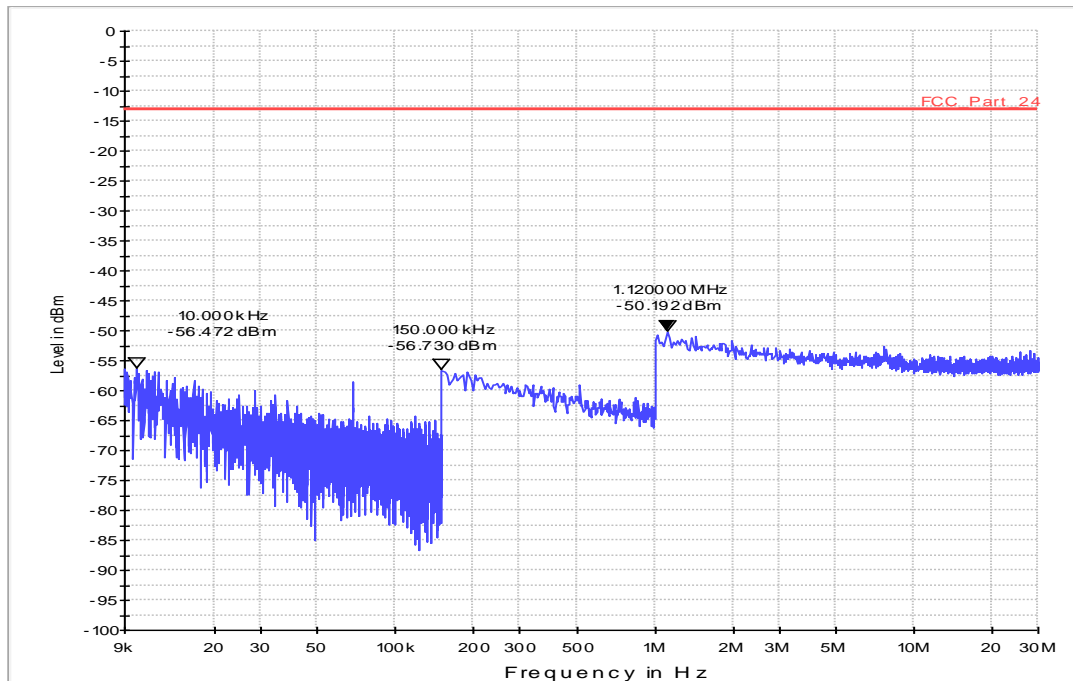
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM1900 + EGPRS; TX on channel 661

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_24_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.29_RSE_CH661_EGPRS_Sweep2

Common Information

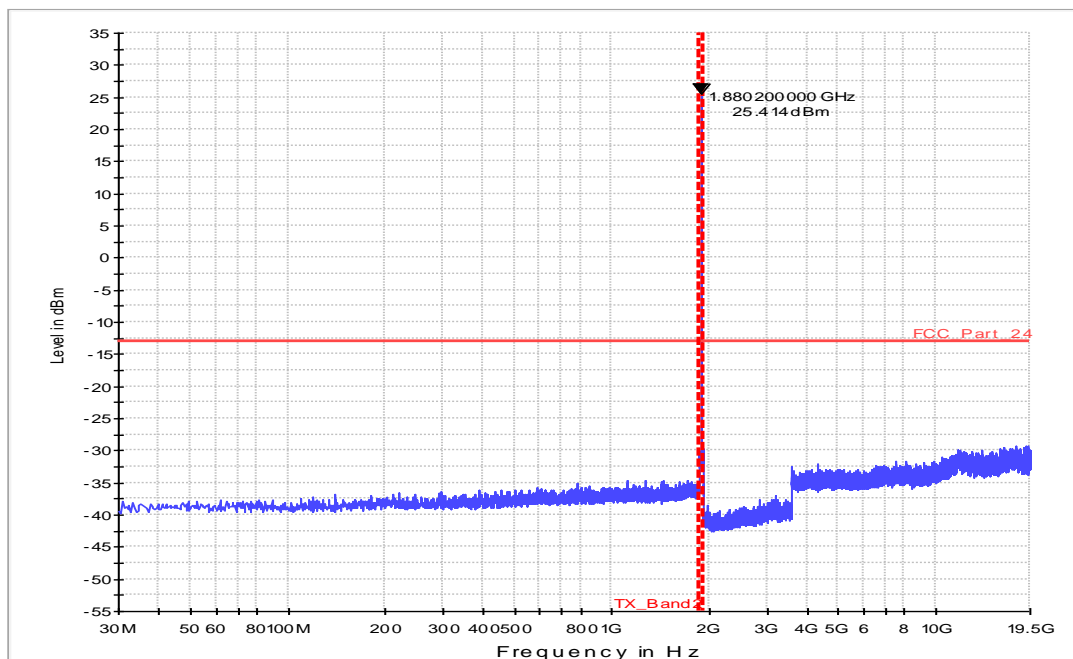
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM1900 + EGPRS; TX on channel 661

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz



Scan Setup: Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 1.849 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.849 GHz - 1.911 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.911 GHz - 1.915 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.915 GHz - 19.5 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

Diagram No.: 36.30_RSE_CH810_EGPRS_Sweep1

Common Information

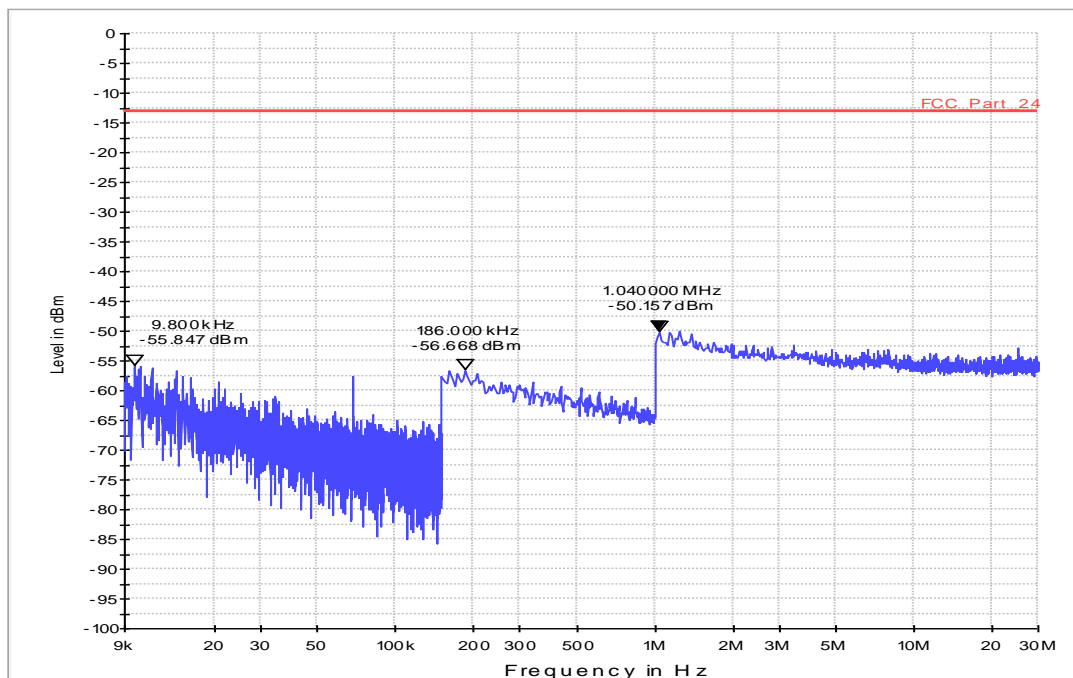
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM1900 + EGPRS; TX on channel 810

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_Scan1_9kHz_30MHz



Scan Setup: Fula2_FCC_24_GSM_Scan1_9kHz_30MHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
9 kHz - 150 kHz	40 Hz	PK+	100 Hz	0.01 s	0 dB
150 kHz - 1 MHz	4 kHz	PK+	9 kHz	0.01 s	0 dB
1 MHz - 30 MHz	20 kHz	PK+	100 kHz	0.01 s	0 dB

Diagram No.: 36.31_RSE_CH810_EGPRS_Sweep2

Common Information

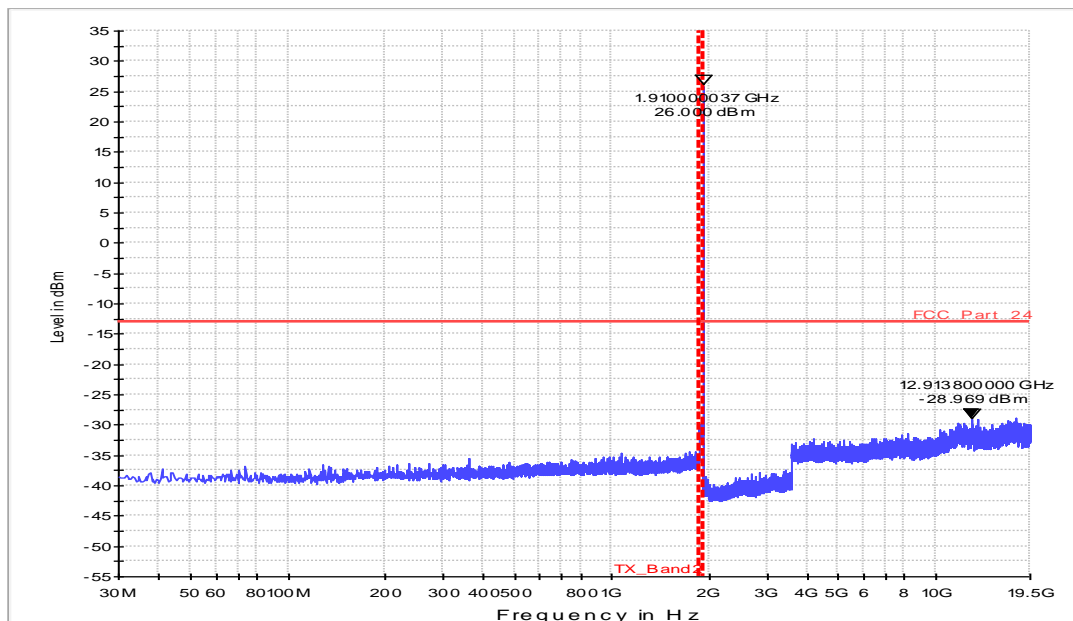
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment conditions:	Normal conditions (Vnominal, Tnominal)
Operator name:	dpa
Operating mode:	GSM1900 + EGPRS; TX on channel 810

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz



Scan Setup: Fula2_FCC_24_GSM_Scan2_30MHz_19.5GHz [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
30 MHz - 1.849 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.849 GHz - 1.911 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.911 GHz - 1.915 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB
1.915 GHz - 19.5 GHz	400 kHz	PK+	1 MHz	0.01 s	0 dB

1.10. Conducted emissions on 850 MHz transmitting band-edge

Diagram No.: 37.01_BE_CH128_GSM_AV

Common Information

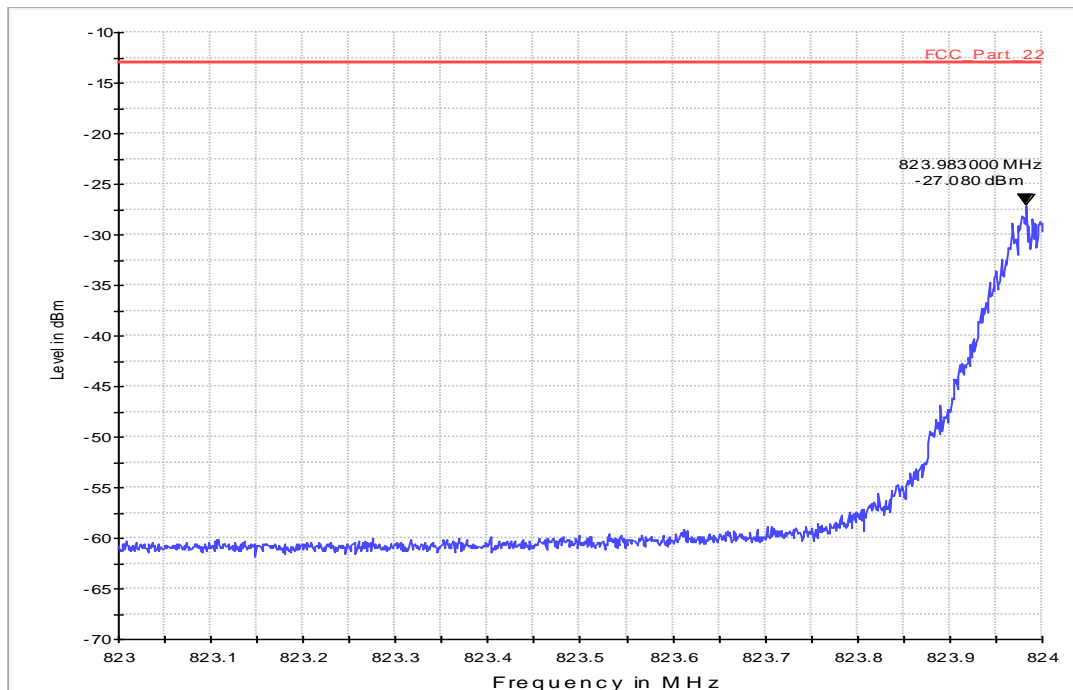
Test Description: TX Spurious Emission Conducted §2.1051
 Test Site: Radio laboratory 2
 Test Standard: FCC Part 22
 Environmental Conditions: Normal Conditions (Vnominal, Tnominal)
 Operator: dpa
 Operating Mode: GSM850; TX on channel 128

EUT Information

Manufacturer: Peiker
 EuT: ATM-01 T1-ROW-4G

HW Version: 202.005.005
 SW Version: 001.014.004
 Serial Number: 000500309
 Connected Interfaces: --
 Power Supply: 14VDC
 Comments: --

Fula2_FCC_22_BE_LOW_128_AV



Scan Setup: Fula2_FCC_22_BE_LOW_128_AV [EMI radiated]

Hardware Setup: Fula2_HW_08_FCC_22_24_6dB_coupler
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
823 MHz - 824 MHz	1 kHz	RMS	3 kHz	0.05 s	0 dB

Diagram No. 37.02_BE_CH251_GSM_AV

Common Information

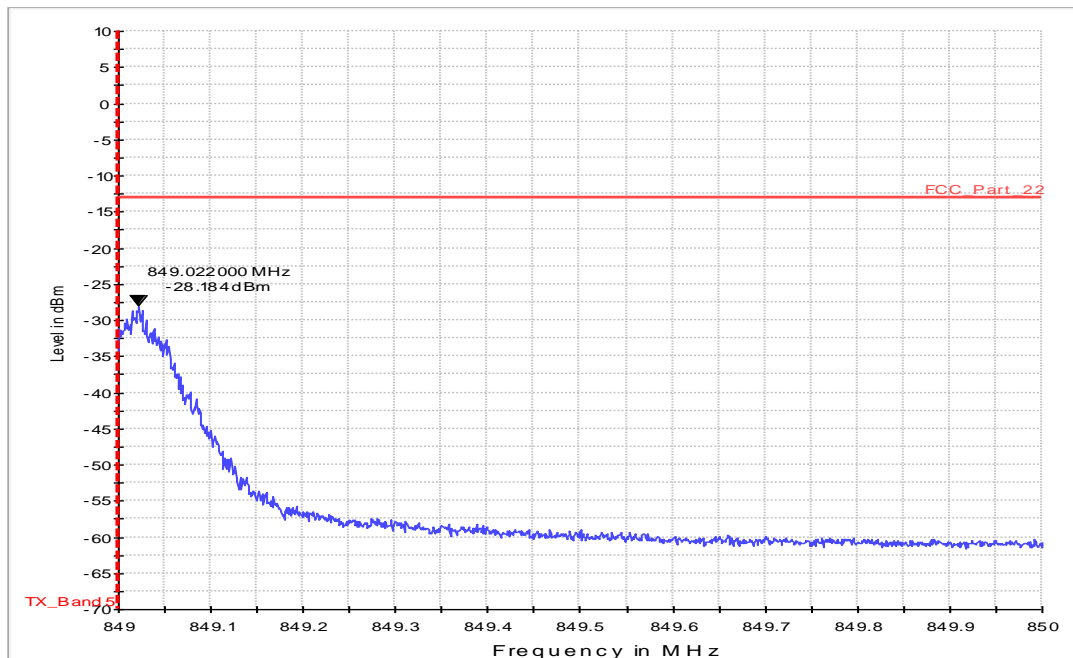
Test Description:	Transmitter unwanted emissions (Band-Edge)/ FCC requirements
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 22
Environment Conditions:	Normal conditions (Vnominal, Tnominal)
Operator Name:	dpa
Operating mode:	GSM850; TX on channel 251

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_22_BE_High_251_AV



Scan Setup: Fula2_FCC_22_BE_High_251_AV [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
849 MHz - 850 MHz	1 kHz	RMS	3 kHz	0.05 s	0 dB

Diagram No.: 37.03_BE_CH128_EGPRS_AV

Common Information

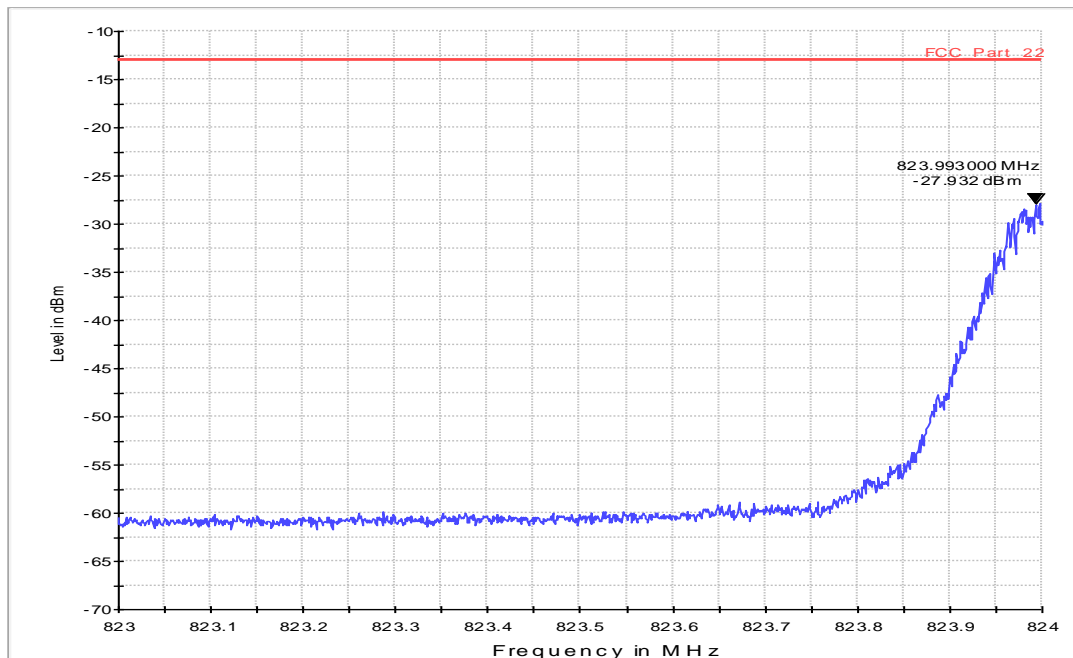
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 22
Environmental Conditions:	Normal Conditions (Vnominal, Tnominal)
Operator:	dpa
Operating Mode:	GSM850 + EGPRS; TX on channel 128

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_22_BE_LOW_128_AV



Scan Setup: Fula2_FCC_22_BE_LOW_128_AV [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
823 MHz - 824 MHz	1 kHz	RMS	3 kHz	0.05 s	0 dB

Diagram No.: 37.04_BE_CH251_EGPRS_AV

Common Information

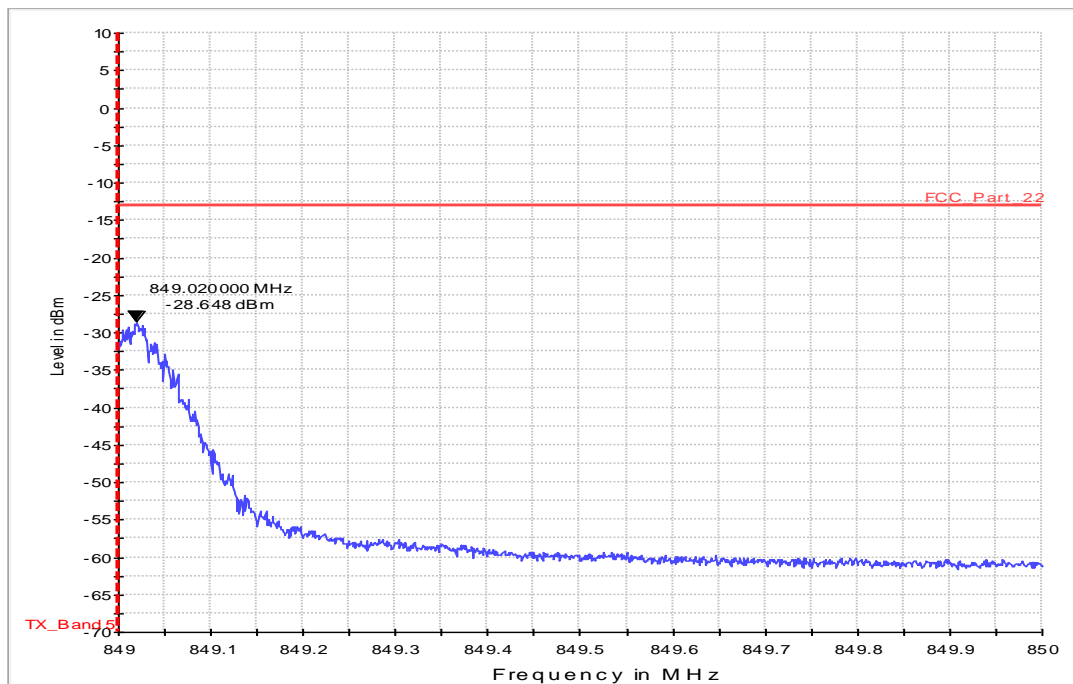
Test Description: Transmitter unwanted emissions (Band-Edge)/ FCC requirements
 Test Site: Radio laboratory 2
 Test Standard: FCC Part 22
 Environment Conditions: Normal conditions (Vnominal, Tnominal)
 Operator Name: dpa
 Operating mode: GSM850; TX on channel 251

EUT Information

Manufacturer: Peiker
 EuT: ATM-01 T1-ROW-4G

HW Version: 202.005.005
 SW Version: 001.014.004
 Serial Number: 000500309
 Connected Interfaces: --
 Power Supply: 14VDC
 Comments: --

Fula2_FCC_22_BE_High_251_AV



Scan Setup: Fula2_FCC_22_BE_High_251_AV [EMI radiated]

Hardware Setup: Fula2_HW_08_FCC_22_24_6dB_coupler
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
849 MHz - 850 MHz	1 kHz	RMS	3 kHz	0.05 s	0 dB

1.11. Conducted emissions on 1900 MHz transmitting band-edge

Diagram No.: 37.10_BE_CH512_GSM_AV

Common Information

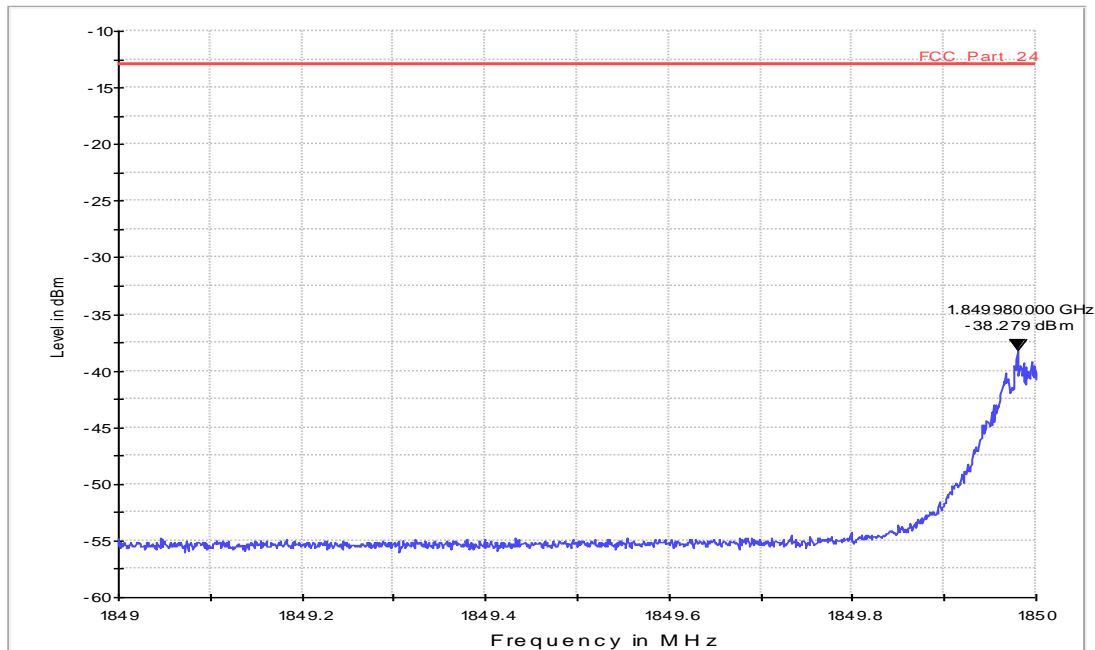
Test Description:	Transmitter unwanted emissions (Band-Edge)/ FCC requirements
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment Conditions:	Normal conditions (Vnominal, Tnominal)
Operator Name:	dpa
Operating mode:	GSM1900; TX on channel 512

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_BE_Low_512_AV



Scan Setup: Fula2_FCC_24_GSM_BE_Low_512_AV [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
1.849 GHz - 1.85 GHz	1 kHz	AVG	3 kHz	0.1 s	0 dB

Diagram No. 37.11_BE_CH810_GSM_AV

Common Information

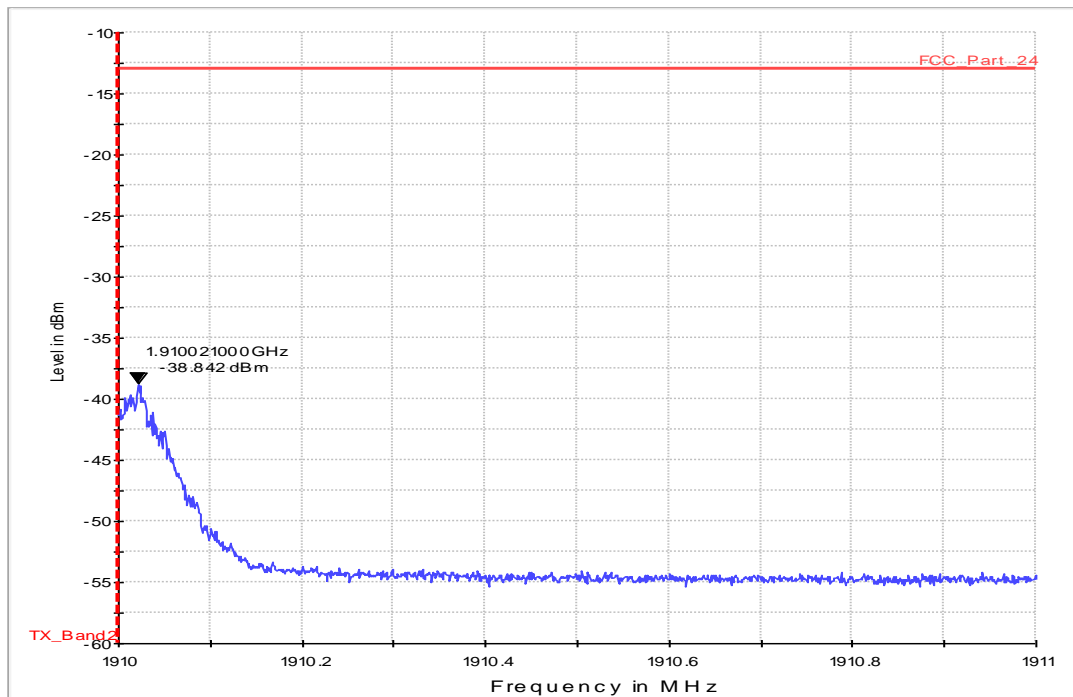
Test Description:	Transmitter unwanted emissions (Band-Edge)/ FCC requirements
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment Conditions:	Normal conditions (Vnominal, Tnominal)
Operator Name:	dpa
Operating mode:	GSM1900; TX on channel 810

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_BE_High_810_AV



Scan Setup: Fula2_FCC_24_GSM_BE_High_810_AV [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
1.91 GHz - 1.911 GHz	1 kHz	AVG	3 kHz	0.1 s	0 dB

Diagram No.: 37.12_BE_CH512_EGPRS_AV

Common Information

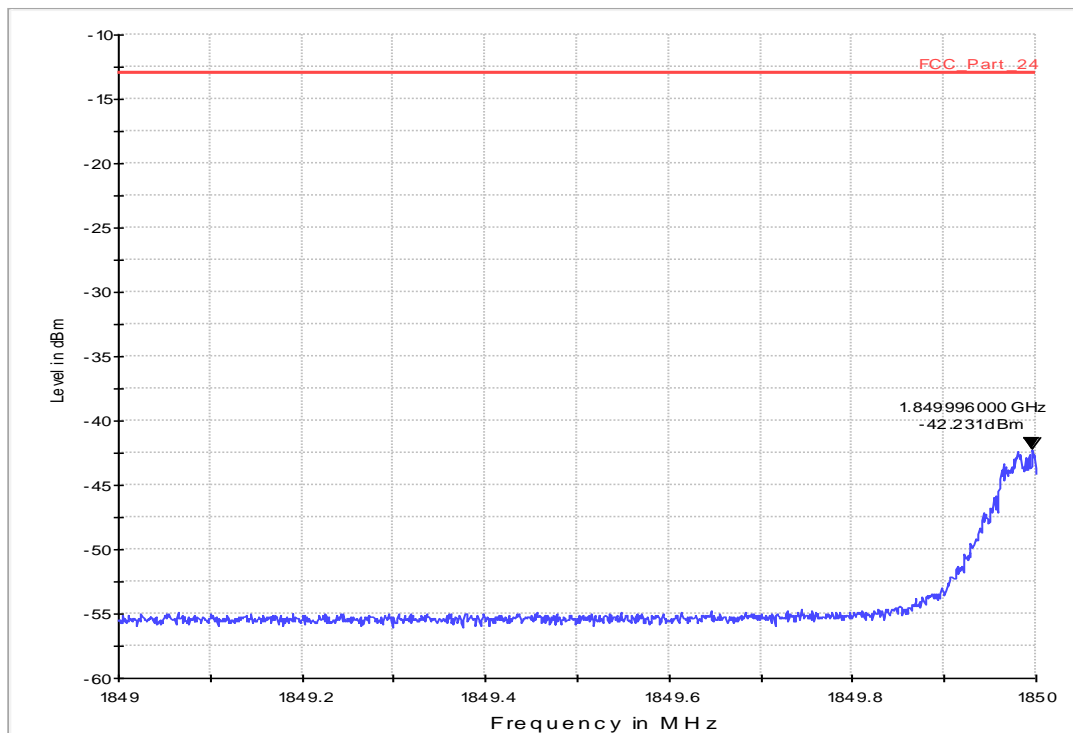
Test Description:	TX Spurious Emission Conducted §2.1051
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environmental Conditions:	Normal conditions (Vnominal, Tnominal)
Operator:	dpa
Operation mode:	GSM1900 + EGPRS; TX on channel 512

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_BE_Low_512_AV



Scan Setup: Fula2_FCC_24_GSM_BE_Low_512_AV [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamp
1.849 GHz - 1.85 GHz	1 kHz	AVG	3 kHz	0.1 s	0 dB

Diagram No. 37.13_BE_CH810_EGPRS_AV

Common Information

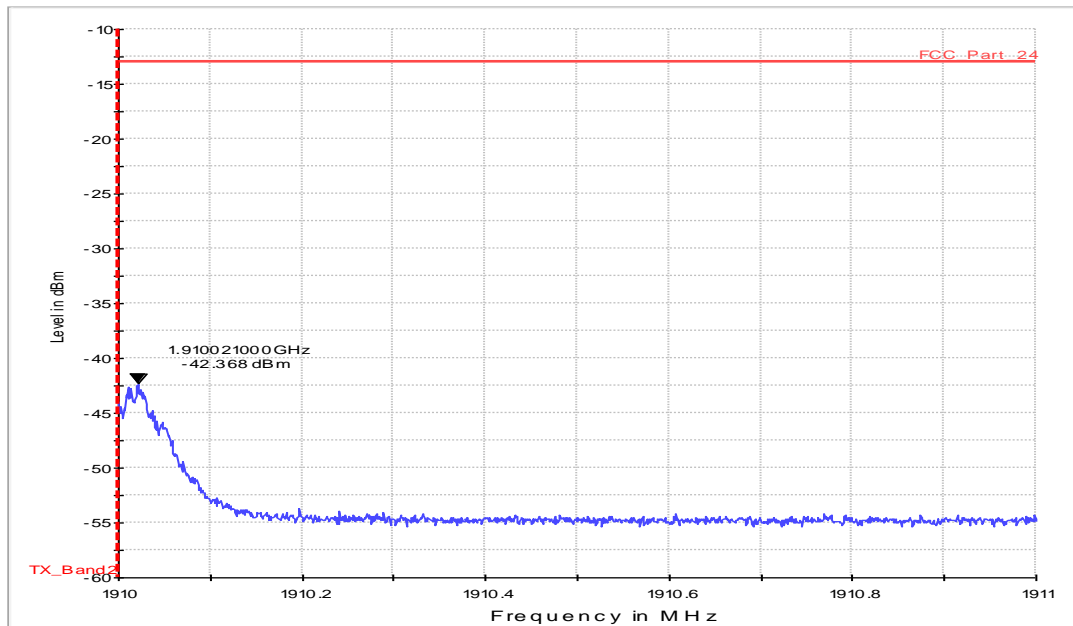
Test Description:	Transmitter unwanted emissions (Band-Edge)/ FCC requirements
Test Site:	Radio laboratory 2
Test Standard:	FCC Part 24, RSS-133
Environment Conditions:	Normal conditions (Vnominal, Tnominal)
Operator Name:	dpa
Operating mode:	GSM1900 + EGPRS; TX on channel 810

EUT Information

Manufacturer:	Peiker
EuT:	ATM-01 T1-ROW-4G

HW Version:	202.005.005
SW Version:	001.014.004
Serial Number:	000500309
Connected Interfaces:	--
Power Supply:	14VDC
Comments:	--

Fula2_FCC_24_GSM_BE_High_810_AV



Scan Setup: Fula2_FCC_24_GSM_BE_High_810_AV [EMI radiated]

Hardware Setup:	Fula2_HW_08_FCC_22_24_6dB_coupler
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamplifier
1.91 GHz - 1.911 GHz	1 kHz	AVG	3 kHz	0.1 s	0 dB