Annex 1: Measurement diagrams to
T E S T R E P O R T
No.: 16-1-0050601T39a

According to:
FCC Regulations
Part 22, Part 24

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

for

peiker acustic GmbH & Co KG

GSM/ WCDMA/ LTE Telematics US Module
V1231-0

FCC-ID: QWY-V1231-0
ISED ID: 6588A-V12310
PMN: V1231-0
HVIN: V1231-0

Laboratory Accreditation and Listings		
DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01 Accredited EMC-Test Laboratory	Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	Voluntary Controls for Electromagnetic Emissions Reg. No.: R-20013, C-20009, T-20006, G-20013
Wi Fi ALLIANCE AUTHORIZED RF LABORATORY	ctia Authorized™ Test Lab Lab Code: 20011130-00	FCC FEDERAL COMMUNICATIONS COMMISSION USA MRA US-EU 0003
accredited according to DIN EN ISO/IEC 17025		
CETECOM GmbH Laboratory Radio Communications & Electromagnetic Compatibility Im Teelbruch 116 • 45219 Essen • Germany Registered in Essen, Germany, Reg. No.: HRB Essen 8984 Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964 E-mail: info@cetecom.com • Internet: www.cetecom.com		
Laboratory Accreditation and Listings		

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1. Measurement diagrams

1.1. Magnetic field strength measurements GSM850 Mode

Diagram No. 2.01a_RSE_R_Ch128_GPRS

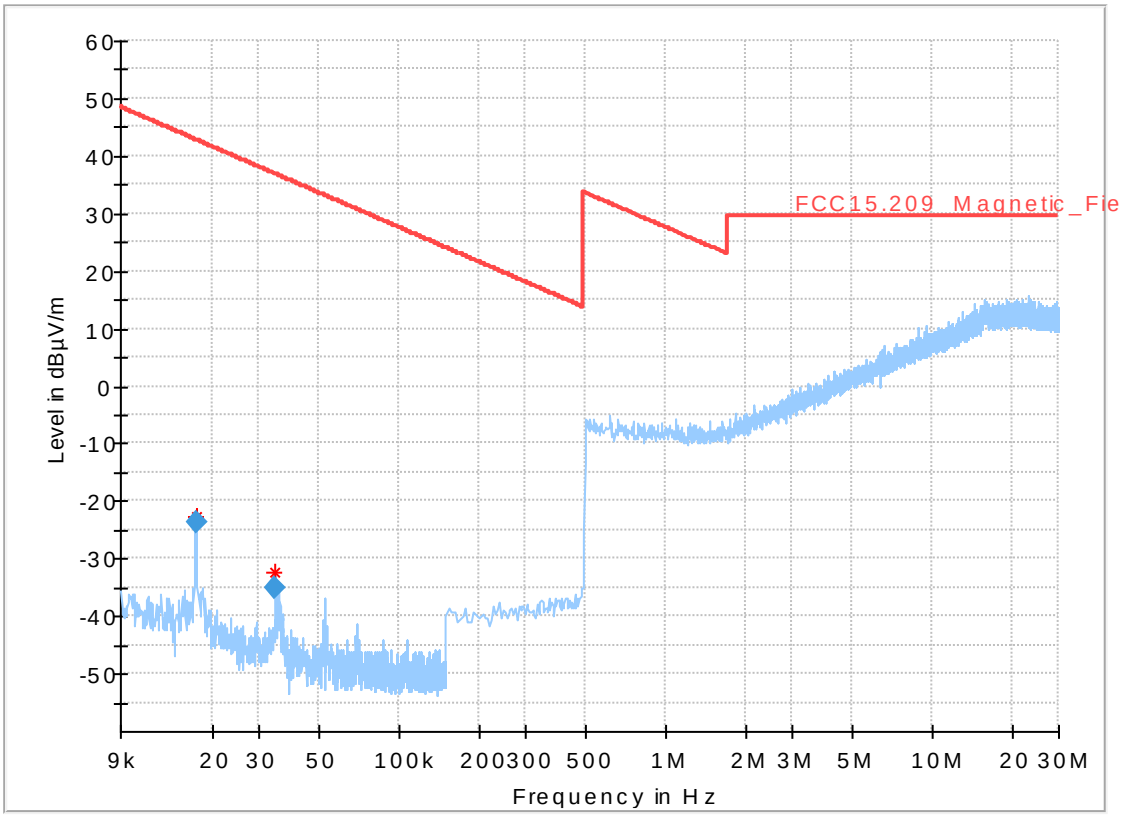
Date: 03.04.2017 Page 1 of 1

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:	KIv
Operating conditions:	TX-on
Power during tests:	12V DC
Comment 1:	Channel 128
Comment 2:	EUT standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum



2.01b_RSE_R_ Ch128_GPRS

Common Information

Test Description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical date:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	SLo
Operating conditions:	TX-on
Power during tests:	12V DC
Comment 1:	Channel 128
Comment 2:	EUT laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

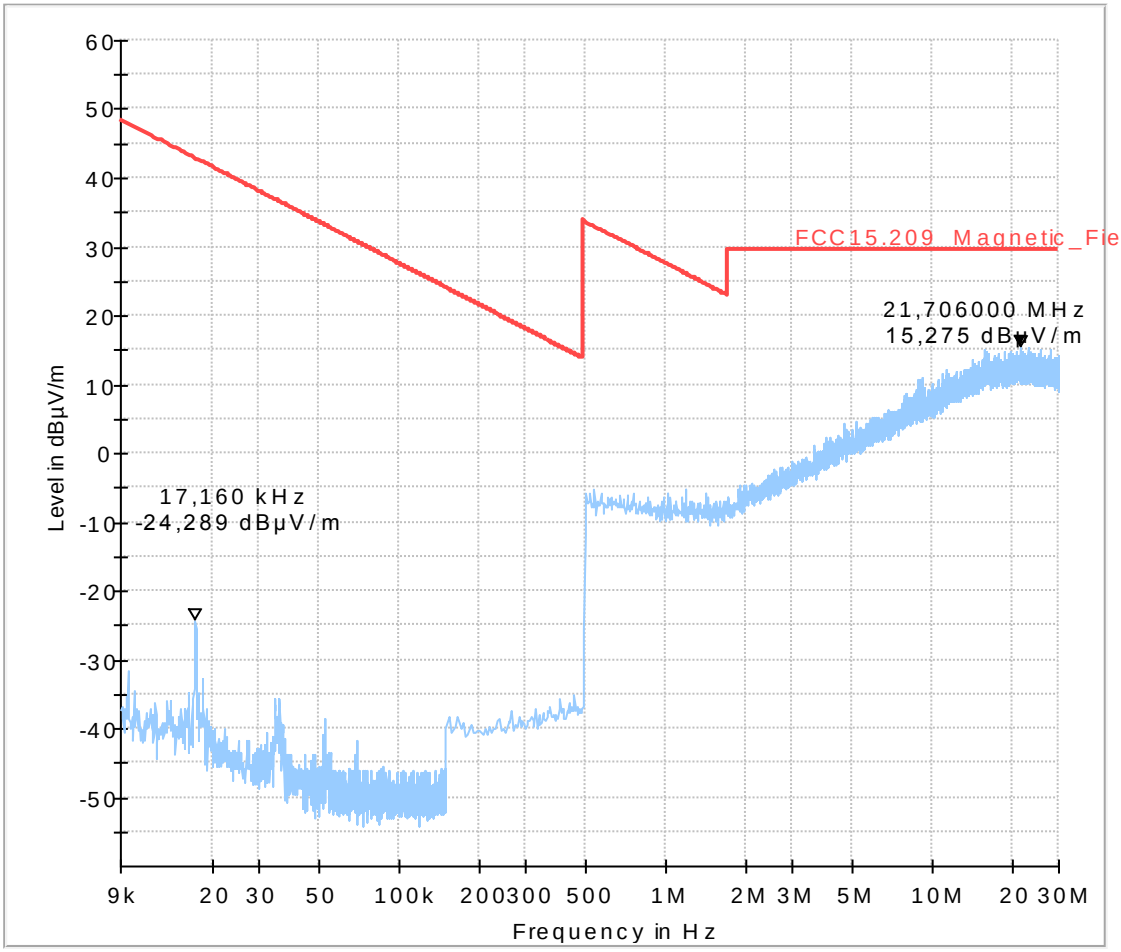


Diagram No. 2.02a_RSE_R_Ch192_GPRS

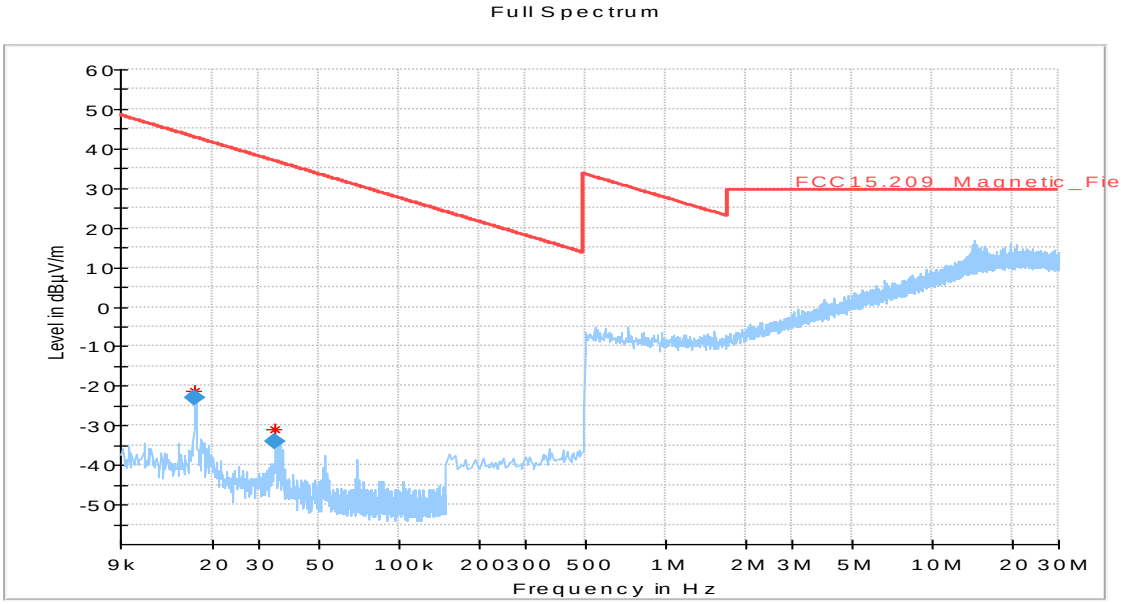
Date: 03.04.2017 Page 1 of 2

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:	KIv
Operating conditions:	TX-on
Power during tests:	12V DC
Comment 1:	Channel 192
Comment 2:	EUT standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum



Final_Result

Frequency (MHz)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
0.017160	-22.89	42.91	65.79	1000.0	0.200	100.0	V	109.0	-58.7
0.034360	-34.13	36.88	71.00	1000.0	0.200	100.0	V	34.0	-59.5

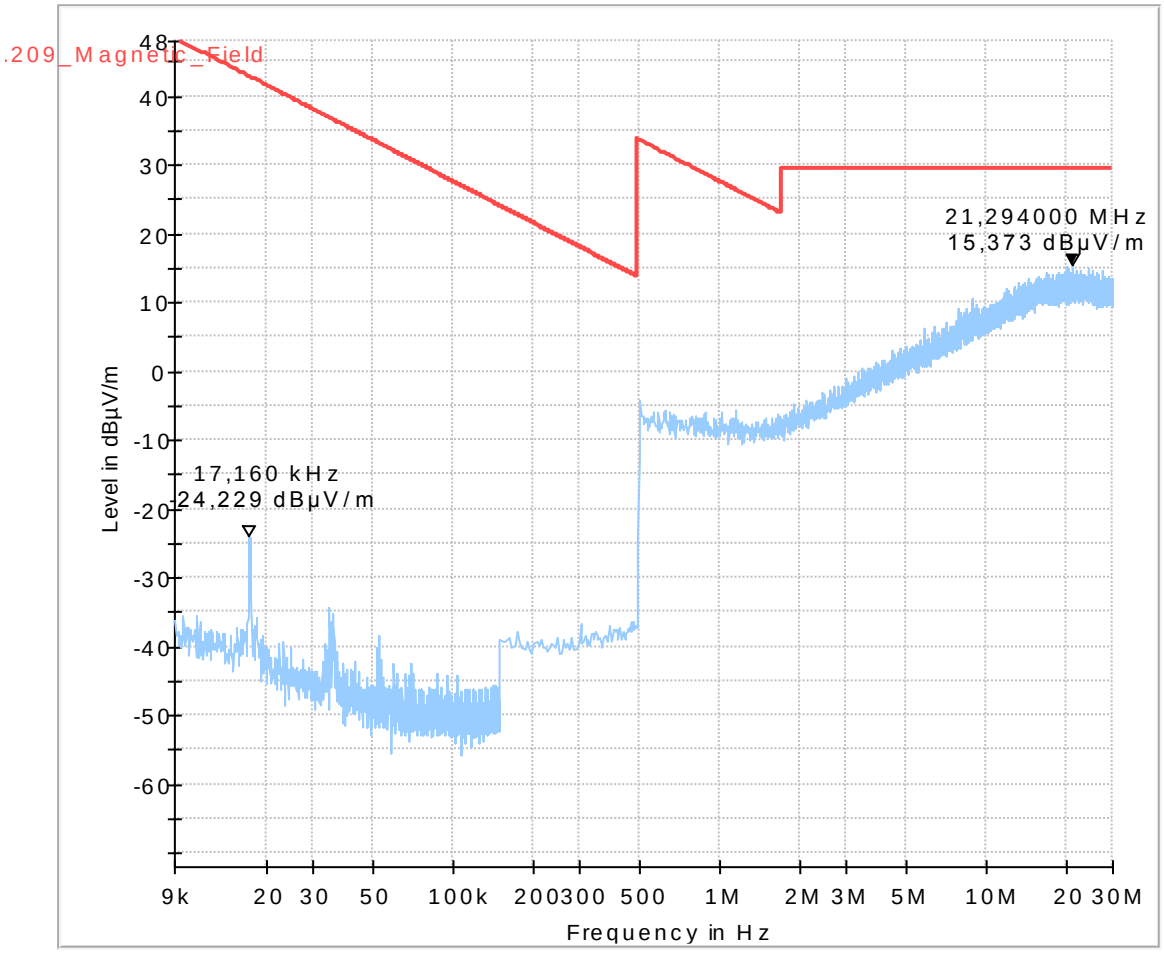
2.02b_RSE_R_ Ch192_GPRS

Common Information

Test Description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical date:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	SLo
Operating conditions:	TX-on
Power during tests:	12V DC
Comment 1:	Channel 192
Comment 2:	EUT laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



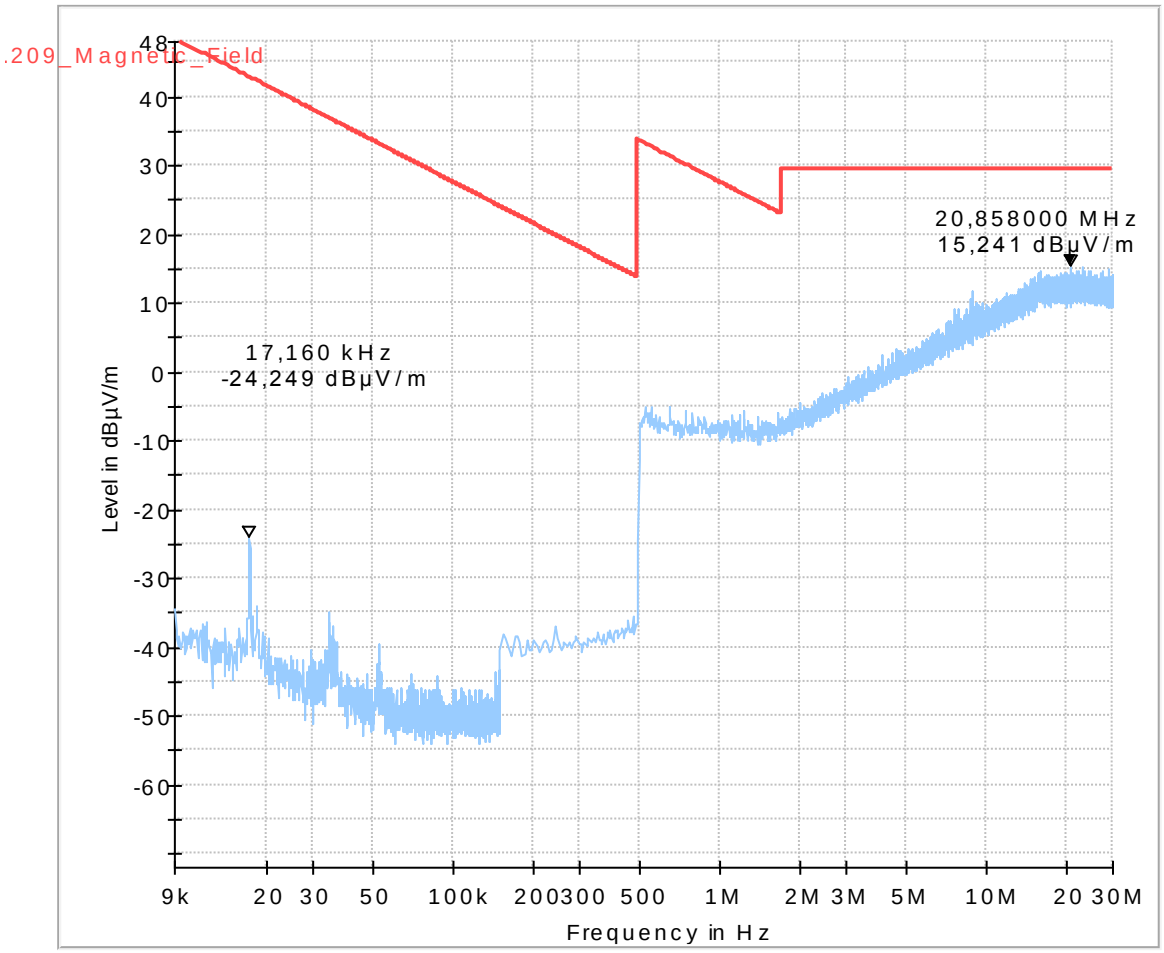
2.03a_RSE_R_ Ch251_GPRS

Common Information

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

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



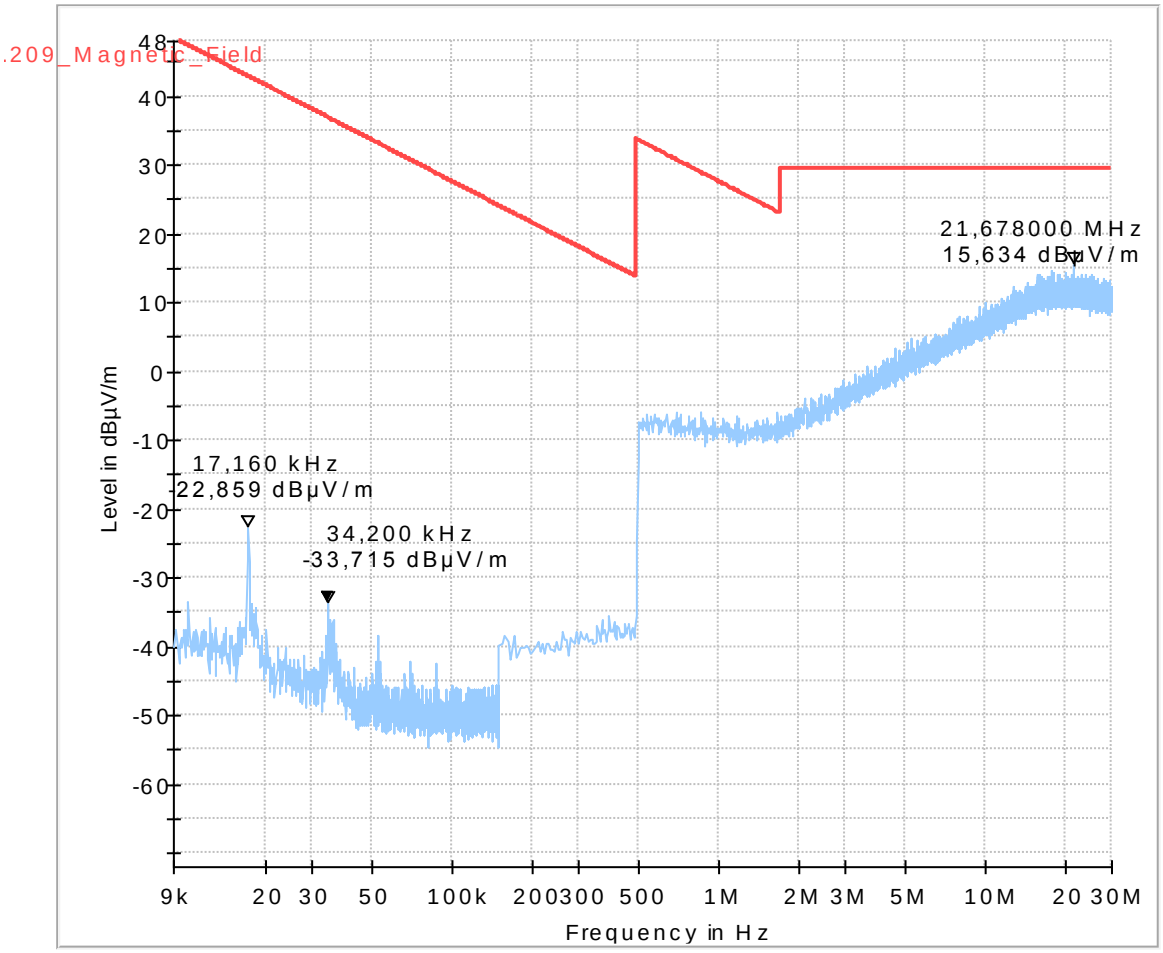
2.03b_RSE_R_ Ch251_GPRS

Common Information

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

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



1.2. Magnetic field strength measurements GSM1900 Mode

Diagram No. 2.10_RSE_R_ Ch512_GPRS

Date: 14.04.2017 Page 1 of 5

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:	MBe
Power during tests:	12V DC
Comment 1:	Channel low

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum

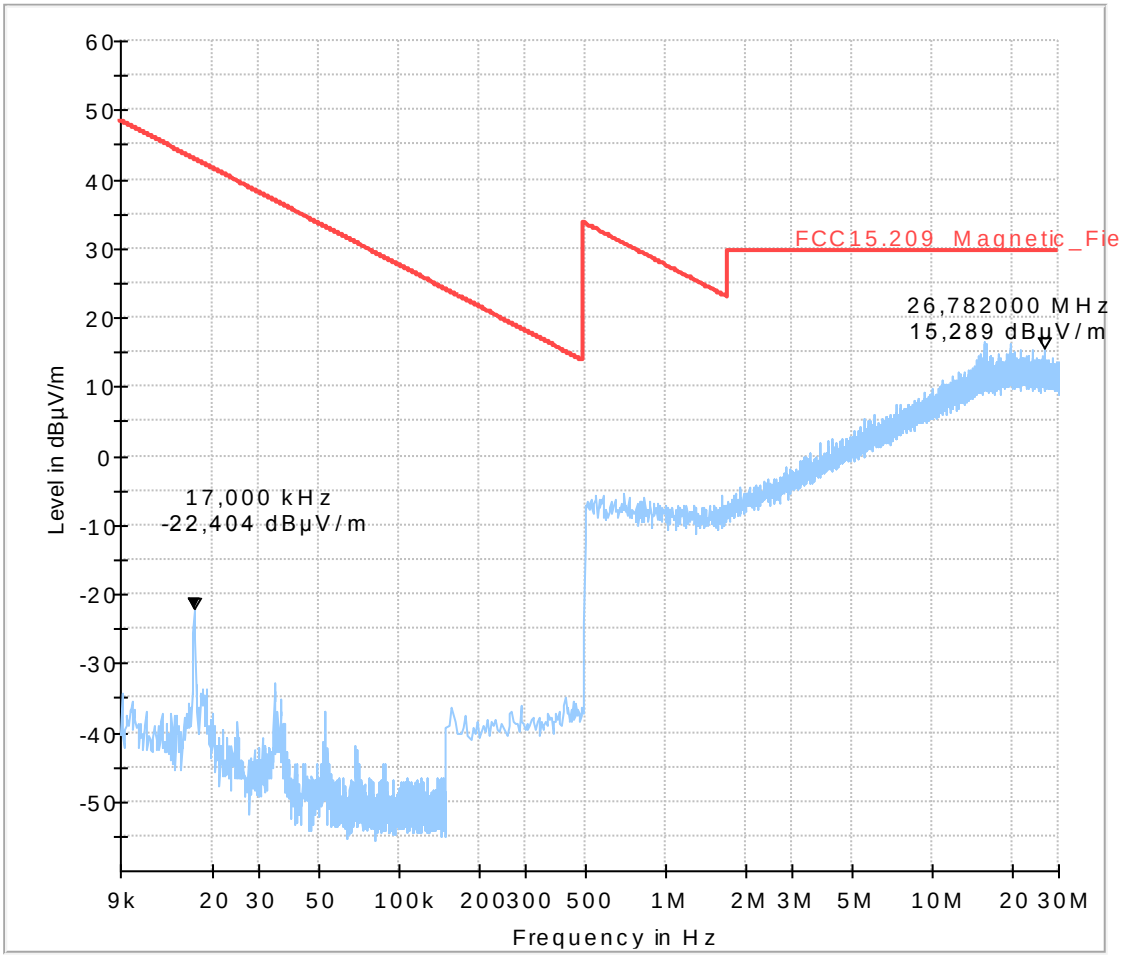


Diagram No. 2.10b_RSE_R_ Ch512_GPRS

Date: 14.04.2017 Page 1 of 5

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:	AFr
Power during tests:	12V DC
Comment 1:	Channel low
Comment 2:	DUT Laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum

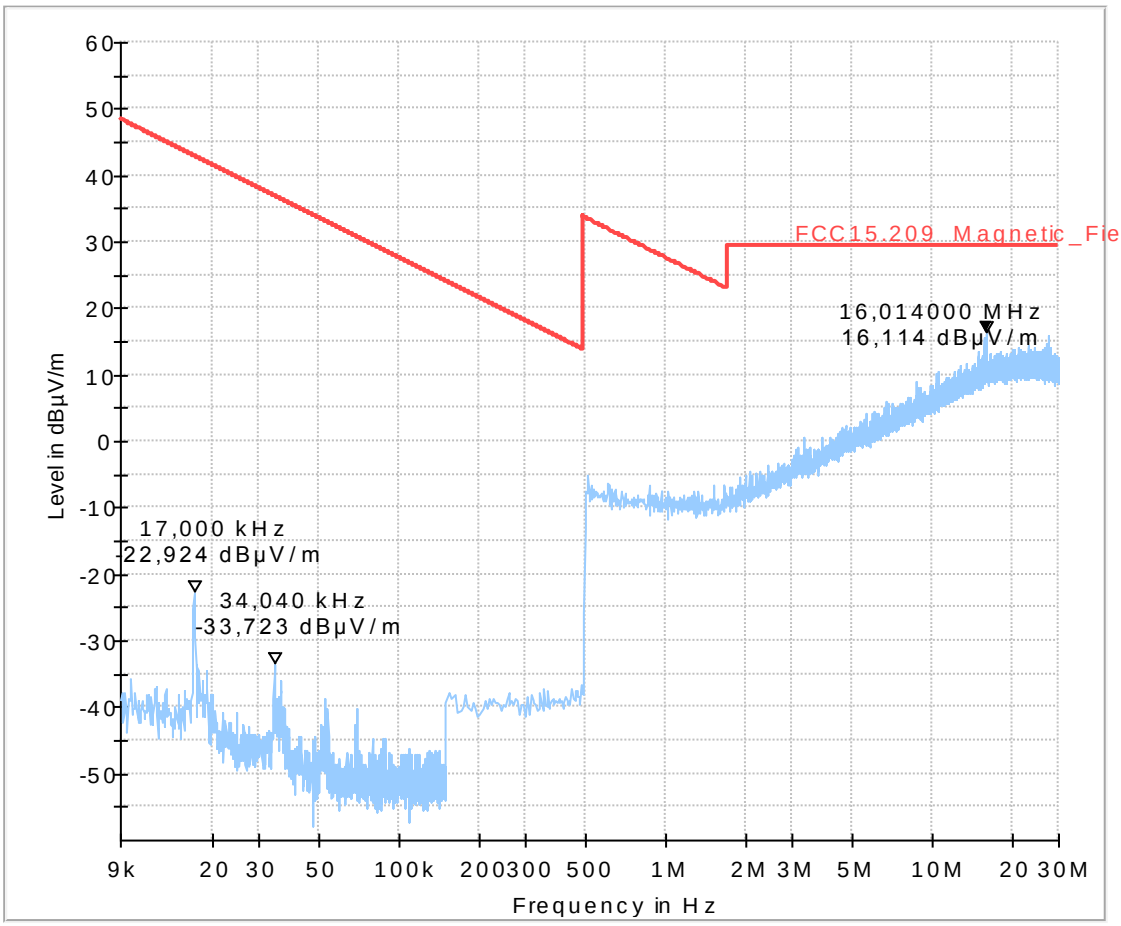


Diagram No. 2.11_RSE_R_ Ch661_GPRS

Date: 14.04.2017 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:	MBe
Power during tests:	12V DC
Comment 1:	Channel mid

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum

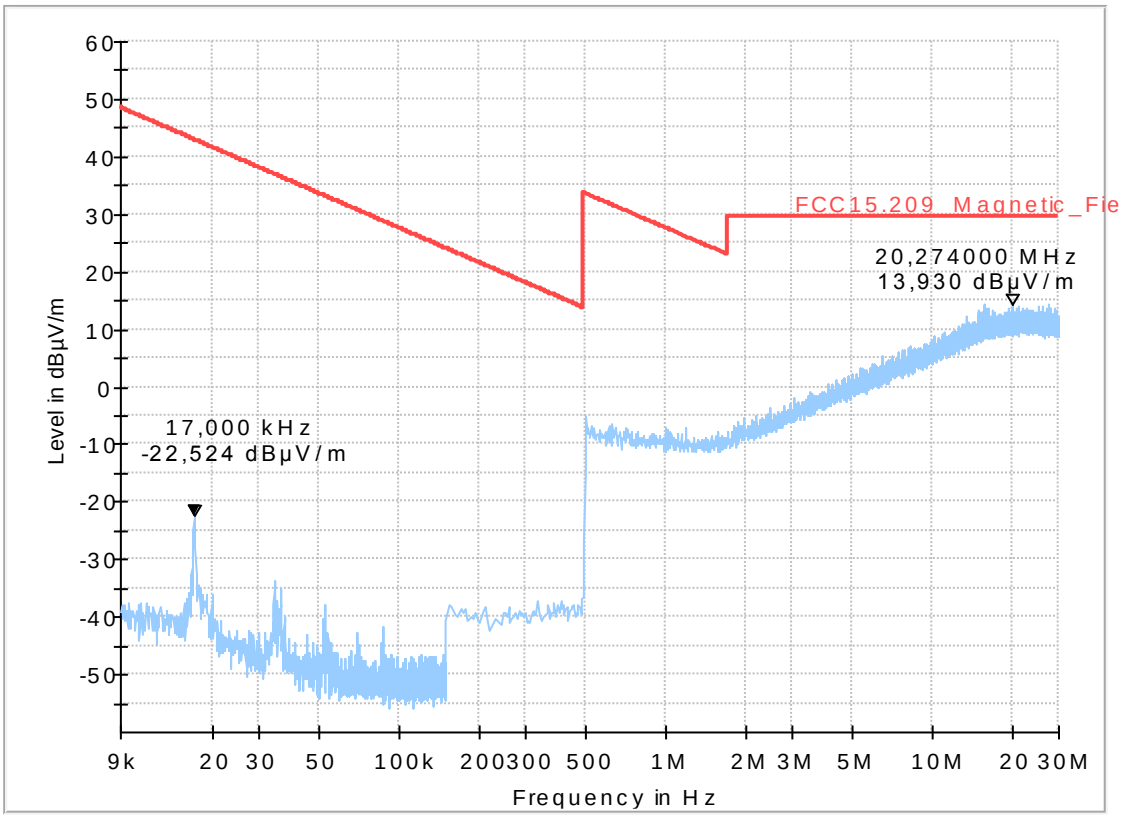


Diagram No. 2.11b_RSE_R_ Ch661_GPRS

Date: 14.04.2017 Page 1 of 3

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

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum

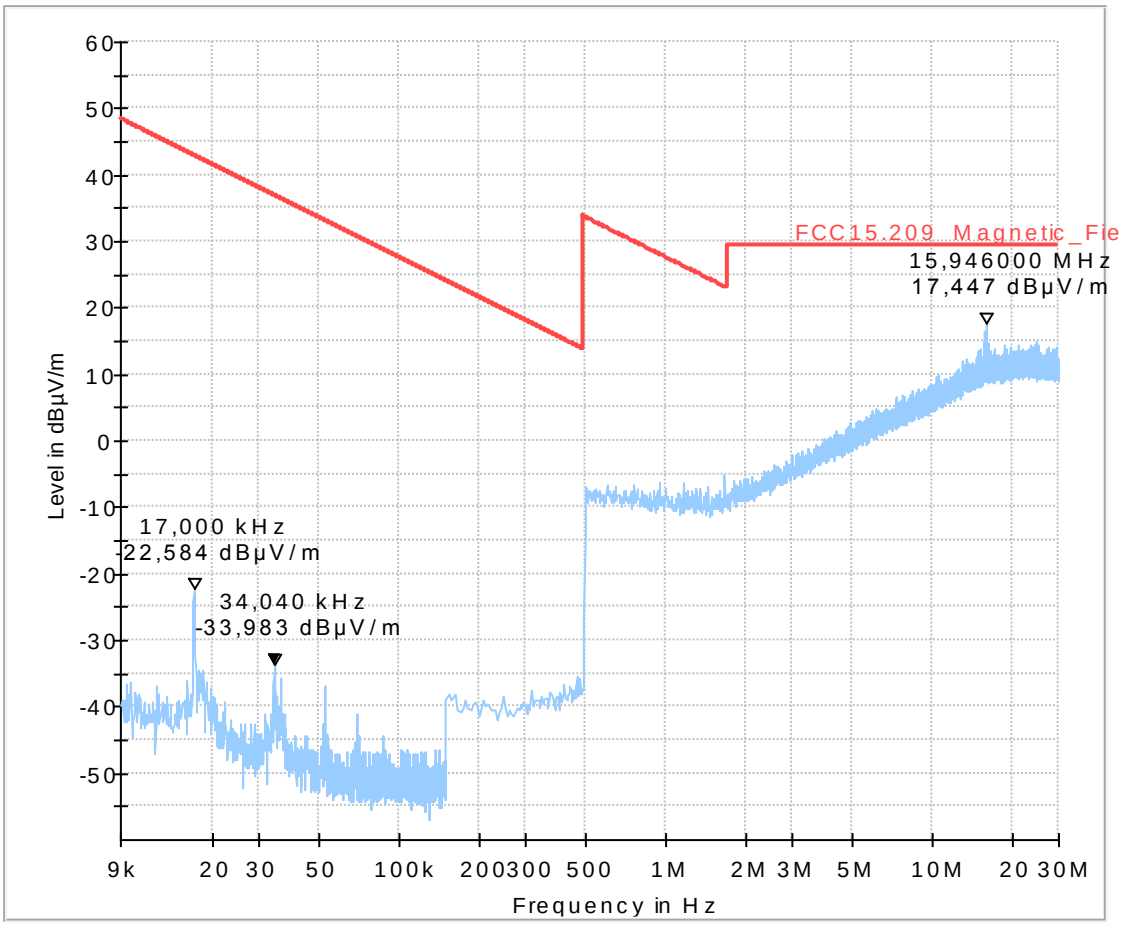


Diagram No. 2.12_RSE_R_ Ch810_GPRS

Date: 14.04.2017 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:	MBe
Power during tests:	12V DC
Comment 1:	Channel high

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum

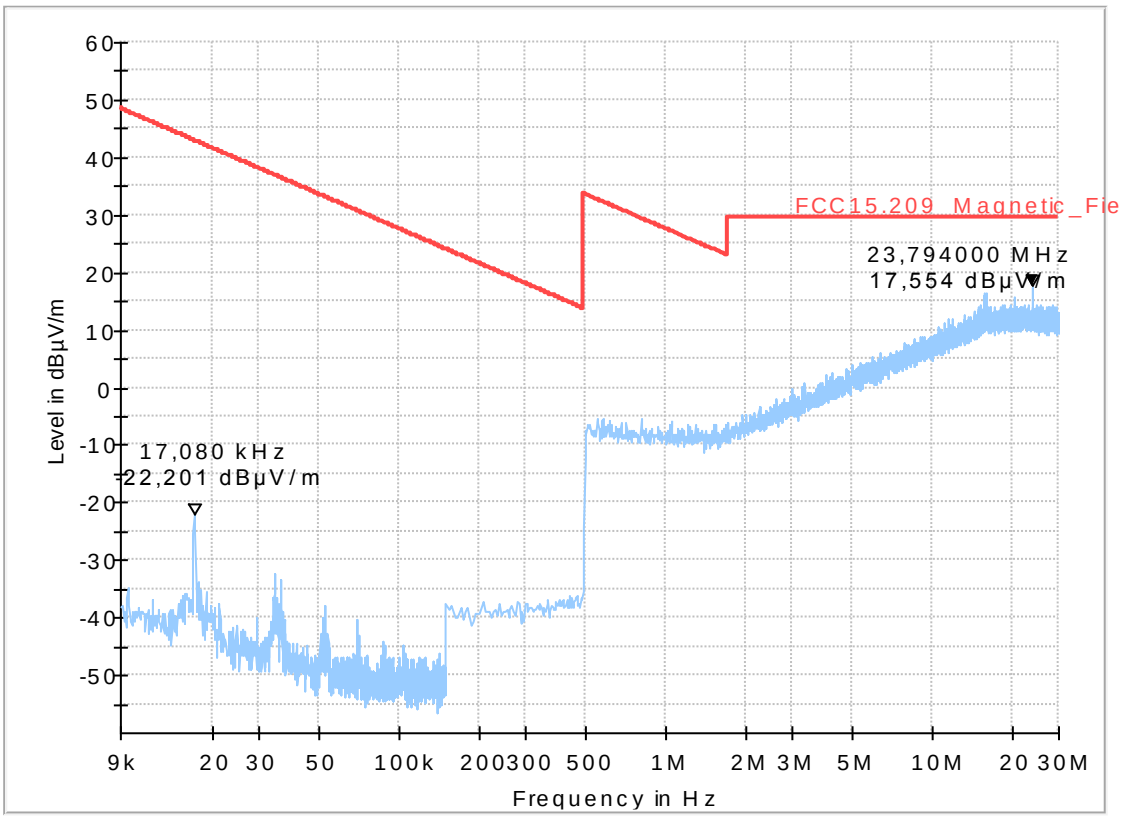


Diagram No. 2.12b_RSE_R_ Ch810_GPRS

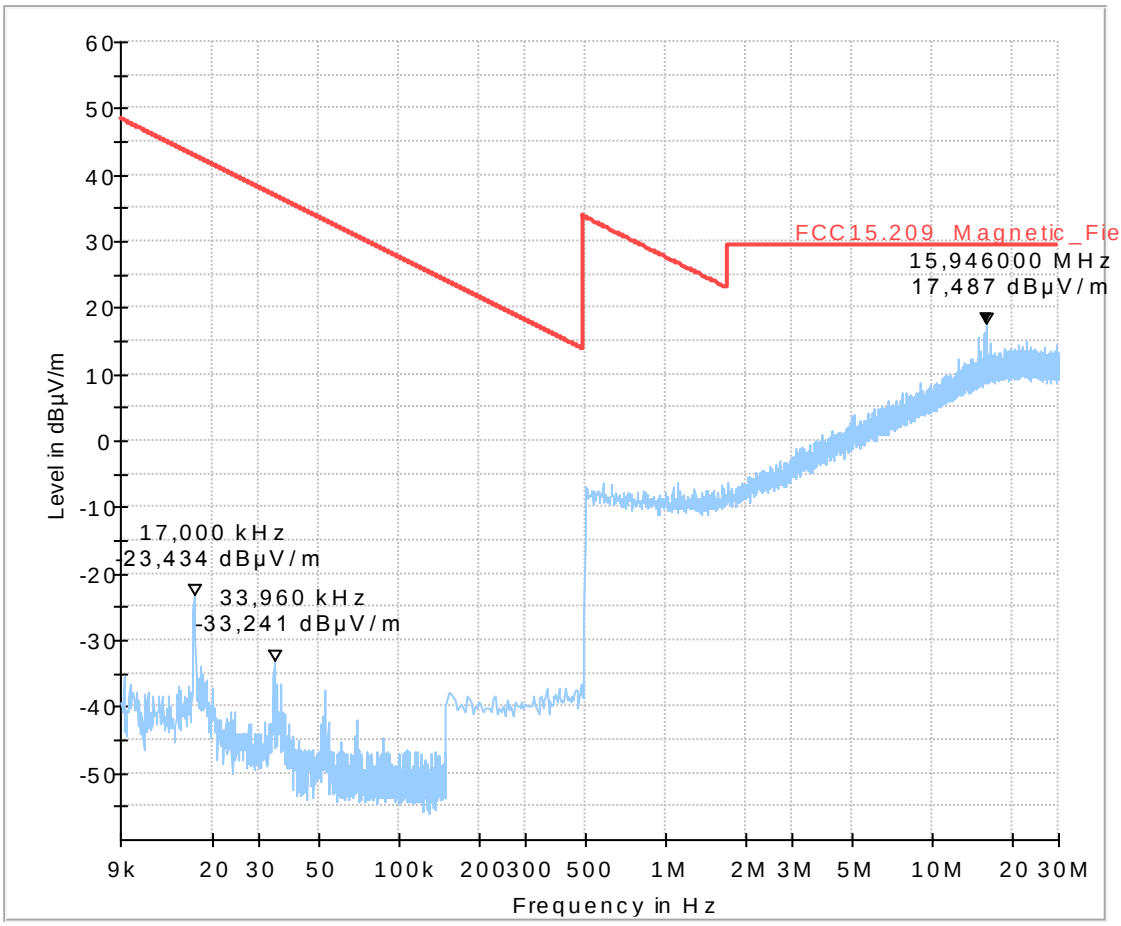
Date: 14.04.2017 Page 1 of 3

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

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum



1.3. Spurious emissions radiated (850 MHz operating mode)

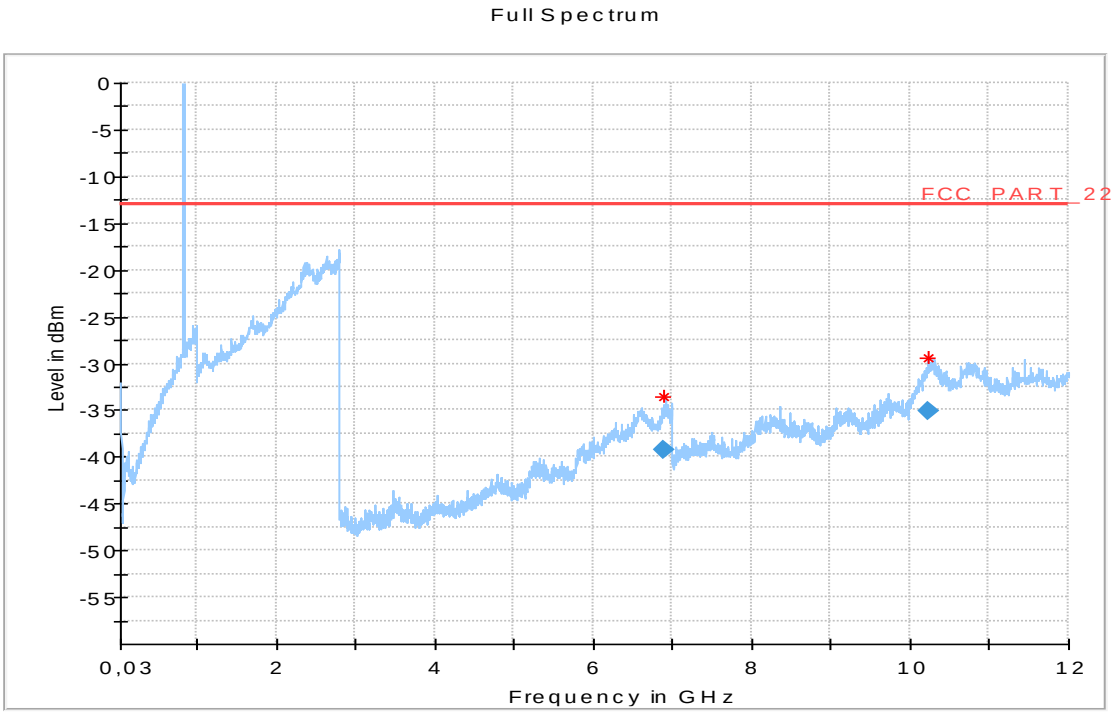
8.01a_RSE_R_ Ch128_GPRS

Common Information

Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917/ RSS-132
Test Case:	-
Operating Mode:	MS allocated UL channel 128
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	DLe
Comment:	Ch128
Comment:	DUT standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



Final_Result

Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Corr. (dB)
6900.571142	-	26.22	5000.0	V	89.0	-84.9
10236.823647	-13.00	22.08	5000.0	H	337.0	-77.9

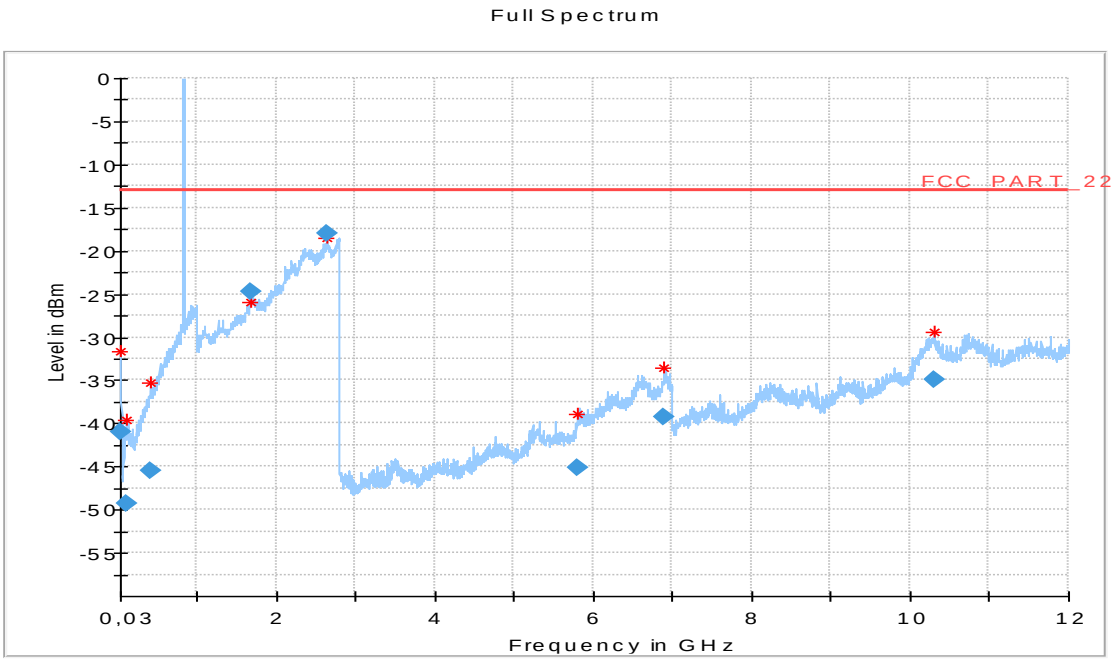
8.01b_RSE_R_ Ch128_GPRS

Common Information

Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917/ RSS-132
Test Case:	-
Operating Mode:	MS allocated UL channel 128
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	DLe
Comment:	Ch128
Comment:	DUT laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



Final_Result

Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Corr. (dB)
30.140281	-	28.01	5000.0	H	-2.0	-76.4
115.881763	-	36.22	5000.0	H	203.0	-85.7
404.198397	-	32.47	5000.0	V	-48.0	-82.4
1671.472946	-	11.67	5000.0	H	26.0	-63.1
2632.695391	-	5.06	5000.0	H	88.0	-58.7
5791.372745	-	32.16	5000.0	V	247.0	-88.1
6899.909819	-	26.26	5000.0	H	174.0	-84.9
10298.847695	-13.00	21.98	5000.0	H	286.0	-77.8

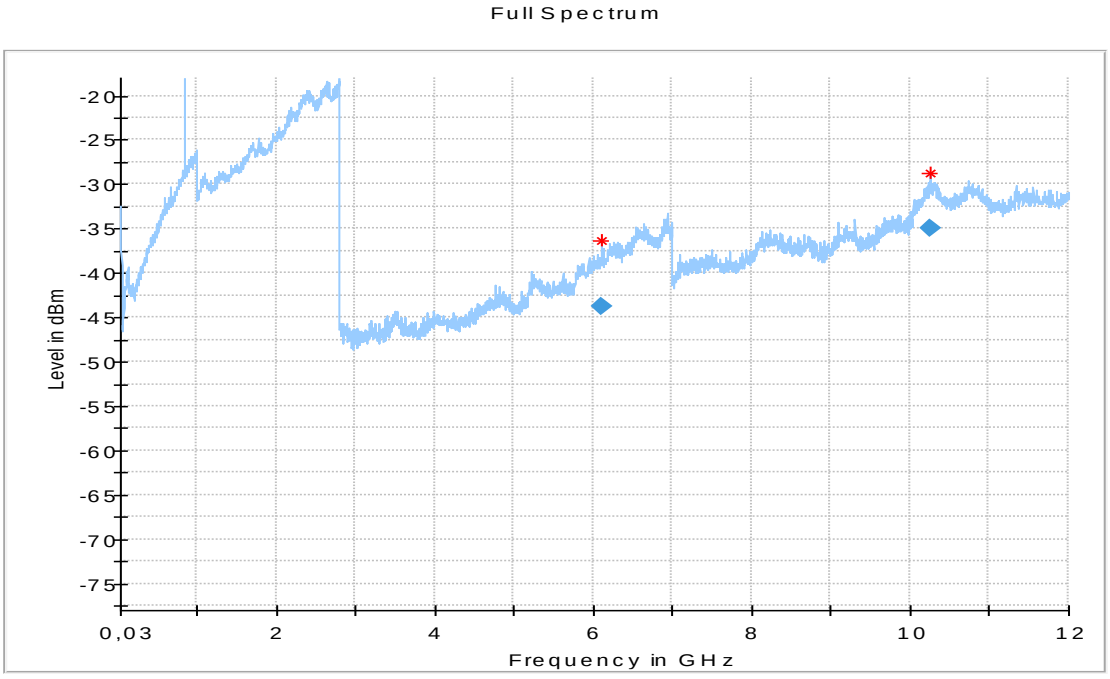
8.02a_RSE_R_ Ch192_GPRS

Common Information

Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917/ RSS-132
Test Case:	-
Operating Mode:	MS allocated UL channel 251
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	DLe
Comment:	Ch192
Comment:	DUT standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



Final_Result

Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Corr. (dB)
6108.567134	-	30.71	5000.0	V	321.0	-87.4
10246.703407	-13.00	21.98	5000.0	V	202.0	-77.8

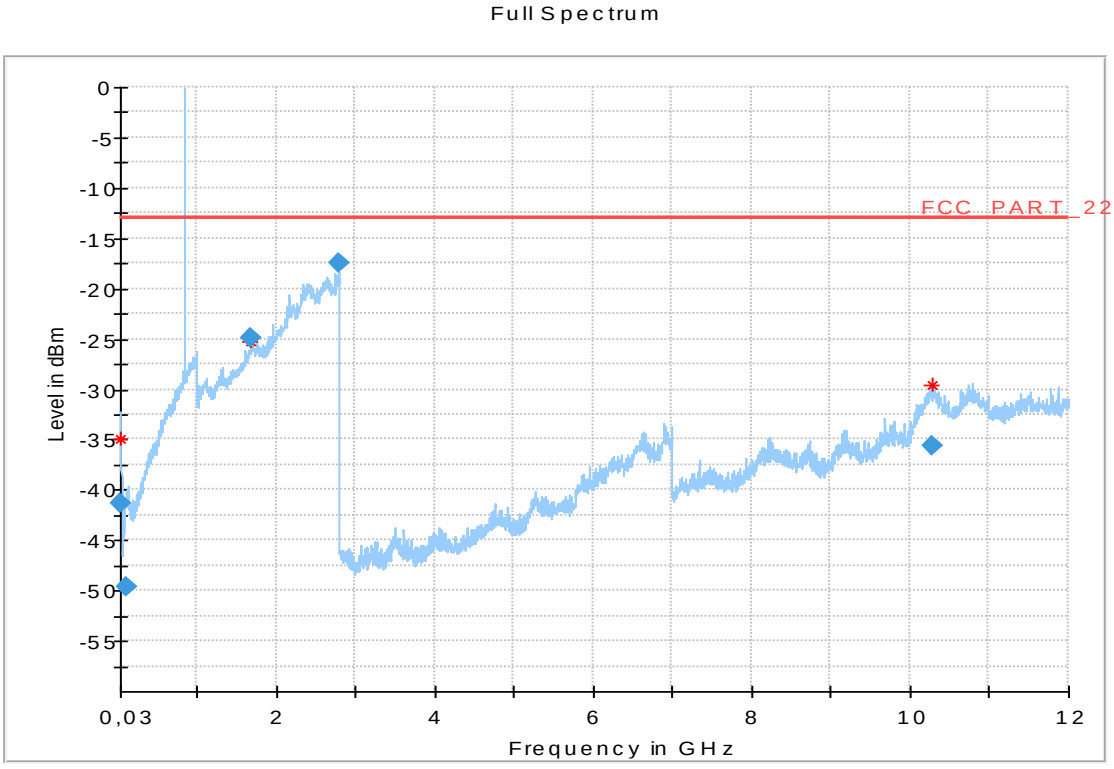
8.02b_RSE_R_ Ch192_GPRS

Common Information

Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917/ RSS-132
Test Case:	-
Operating Mode:	MS allocated UL channel 192
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	DLe
Comment:	Ch192
Comment:	DUT laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



Final_Result

Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Corr. (dB)
30.911823	-	28.33	5000.0	V	67.0	-76.8
115.160321	-	36.56	5000.0	V	-13.0	-85.7
1675.541082	-	11.98	5000.0	V	337.0	-63.1
2798.446894	-	4.45	5000.0	H	-13.0	-57.1
10278.346693	-13.00	22.56	5000.0	H	91.0	-77.8

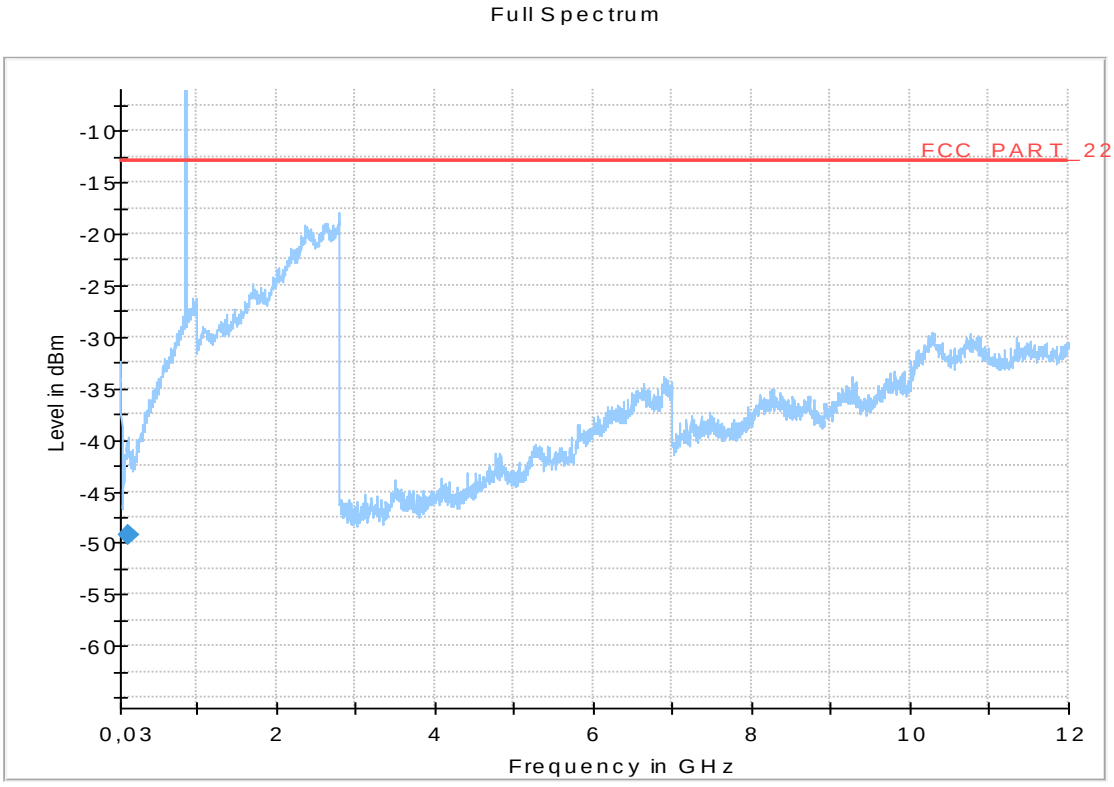
8.03a_RSE_R_ Ch251_GPRS

Common Information

Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917/ RSS-132
Test Case:	-
Operating Mode:	MS allocated UL channel 251
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	DLe
Comment:	Ch251
Comment:	DUT standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



Final_Result

Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Corr. (dB)
118.987976	-	36.19	5000.0	H	222.0	-85.6

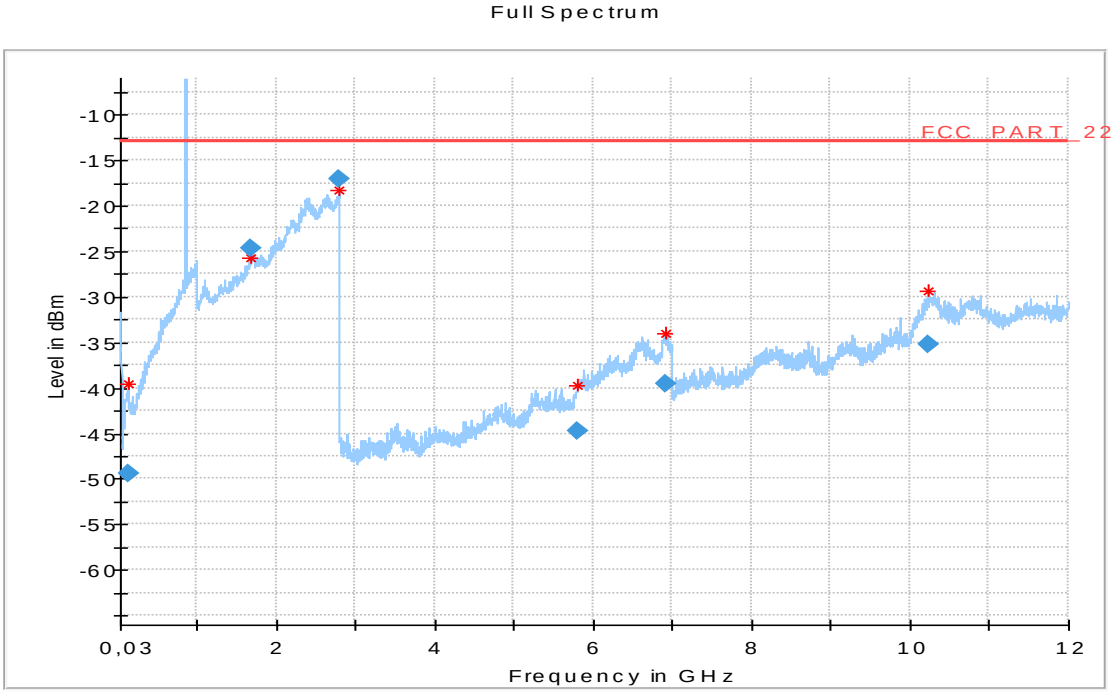
8.03b_RSE_R_ Ch251_GPRS

Common Information

Test Description:	Radiated Emissions GSM850
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part22.917/ RSS-132
Test Case:	-
Operating Mode:	MS allocated UL channel 128,190,251
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	DLe
Comment:	Ch251
Comment:	DUT laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



Final_Result

Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Corr. (dB)
119.869740	-	36.34	5000.0	H	212.0	-85.6
1667.985972	-	11.74	5000.0	V	146.0	-63.2
2790.030060	-	3.98	5000.0	V	252.0	-57.2
5796.523046	-	31.72	5000.0	V	45.0	-87.9
6913.336673	-	26.59	5000.0	V	80.0	-84.9
10224.018036	-13.00	22.19	5000.0	H	247.0	-77.9

1.4. Spurious emissions radiated (1900 MHz operating mode)

8.10_RSE_R_ Ch512_GPRS_standing

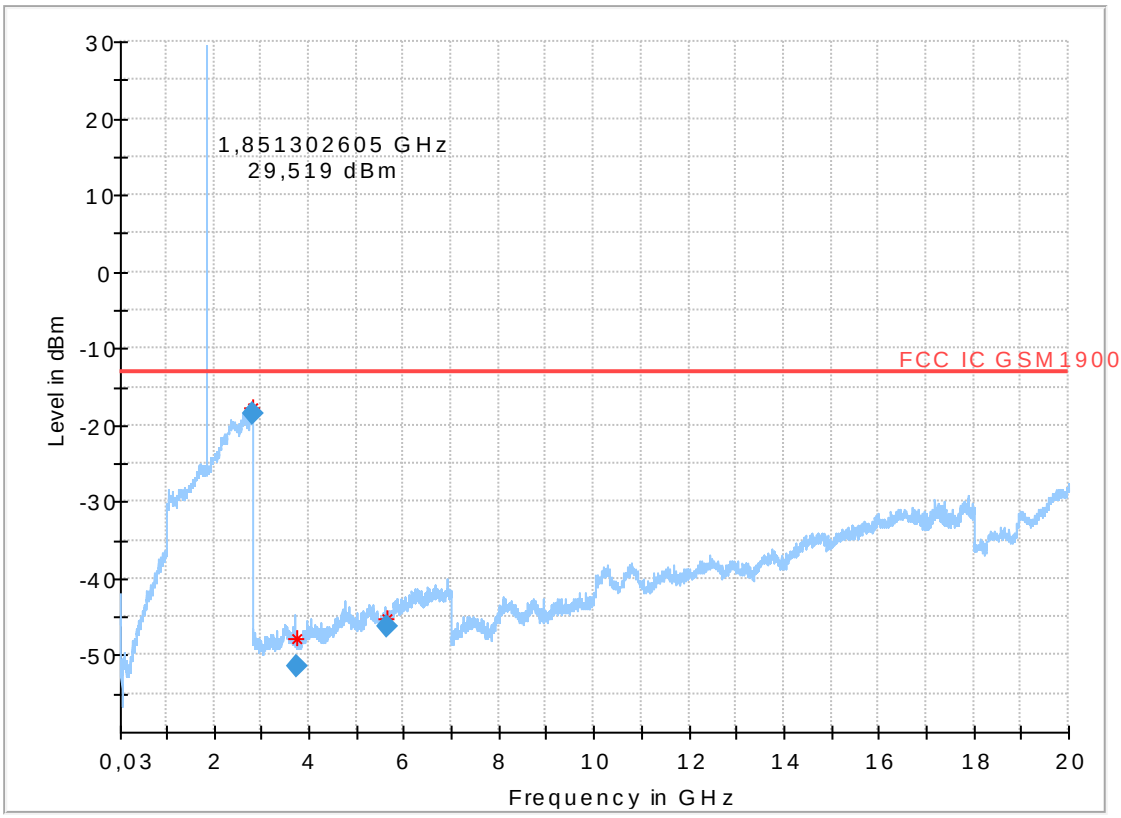
Common Information

Test Description:	Radiated Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part24.238/ RSS-133
Test Case:	-
Operating Mode:	MS allocated UL channel 512
Exclusionband:	1850 - 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	SLo
Comment:	DUT Standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum



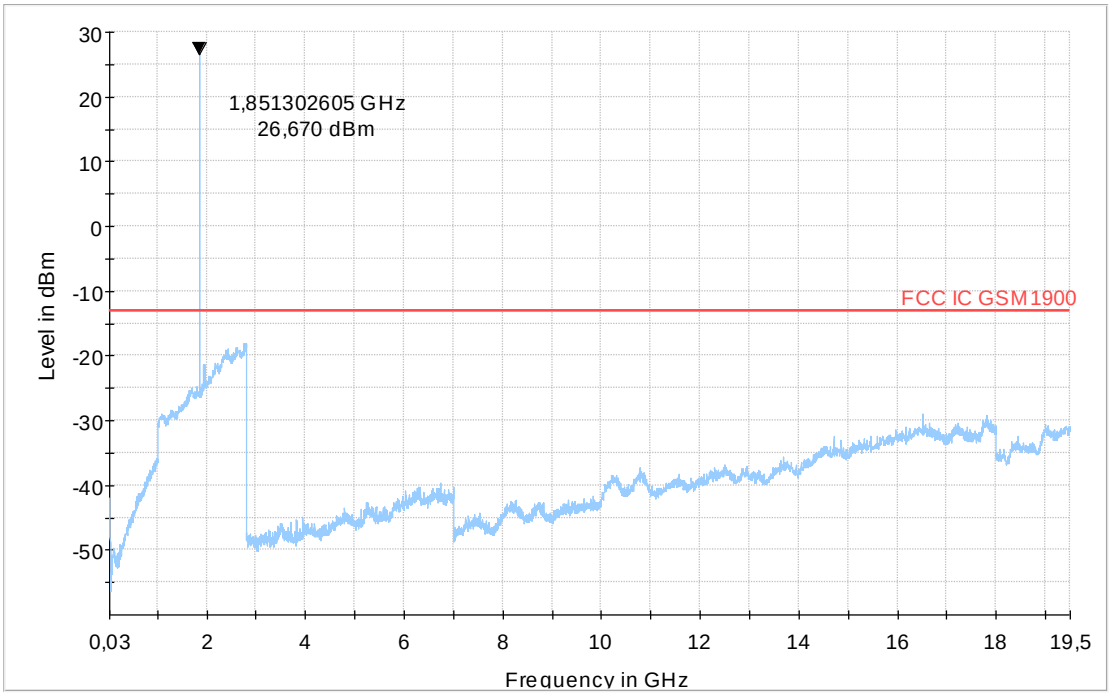
8.13_RSE_R_ Ch512_GPRS_laying

Common Information

Test Description:	Radiated Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part24.238/ RSS-133
Test Case:	-
Operating Mode:	MS allocated UL channel 512
Exclusionband:	1850 - 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	SLo
Comment:	DUT laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



8.11_RSE_R_ Ch661_GPRS_Standing

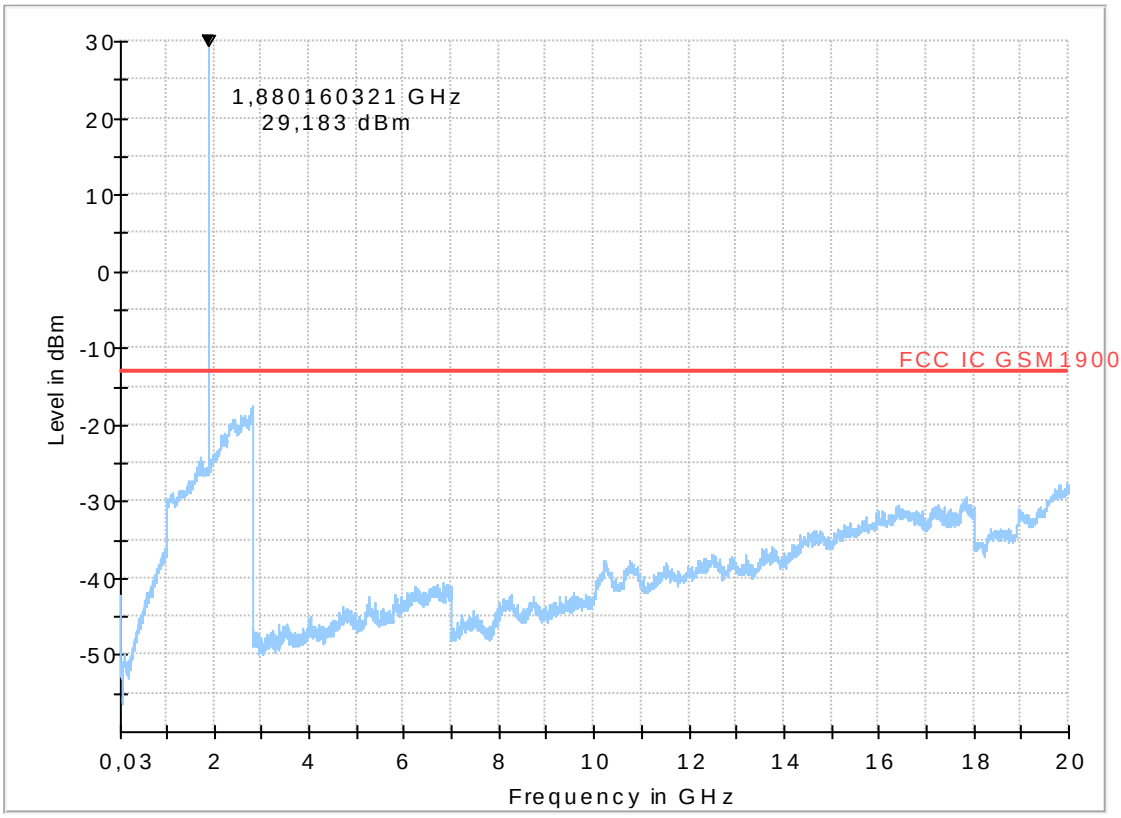
Common Information

Test Description:	Radiated Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part24.238/ RSS-133
Test Case:	-
Operating Mode:	MS allocated UL channel 661
Exclusionband:	1850 - 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	SLo
Comment.	DUT Standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum



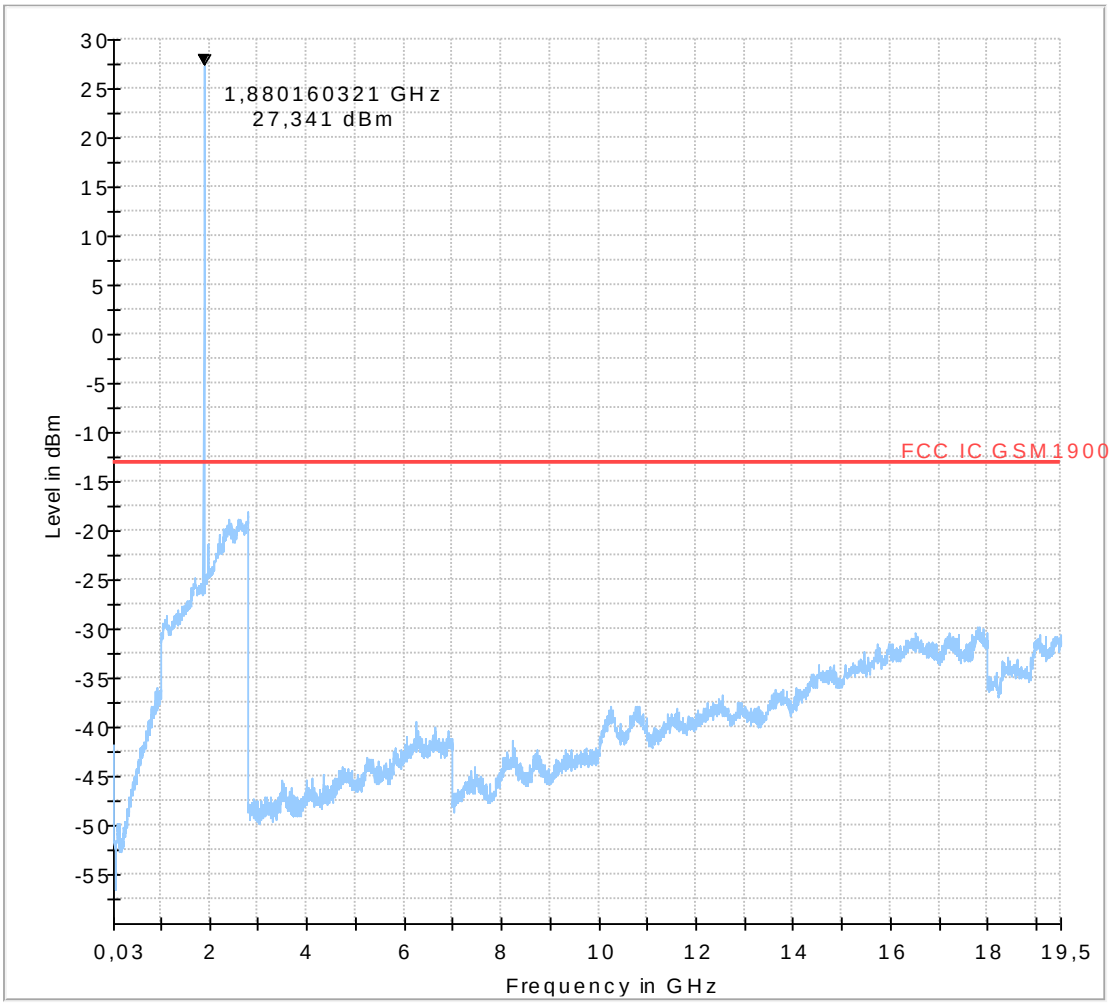
8.14_RSE_R_ Ch661_GPRS_Laying

Common Information

Test Description:	Radiated Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part24.238/ RSS-133
Test Case:	-
Operating Mode:	MS allocated UL channel 661
Exclusionband:	1850 - 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	SLo
Comment.	DUT Laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



8.12_RSE_R_ Ch810_GPRS_Standing

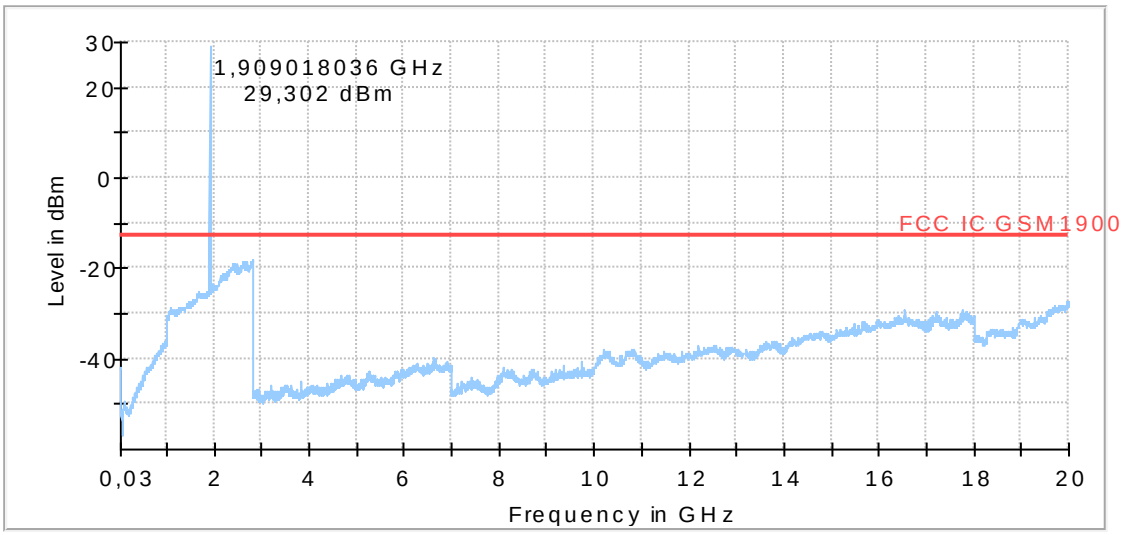
Common Information

Test Description:	Radiated Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part24.238/ RSS-133
Test Case:	-
Operating Mode:	MS allocated UL channel 810
Exclusionband:	1850 - 1910MHz
Environmental Conditions:	SLo
Operator:	DUT standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-

Full Spectrum



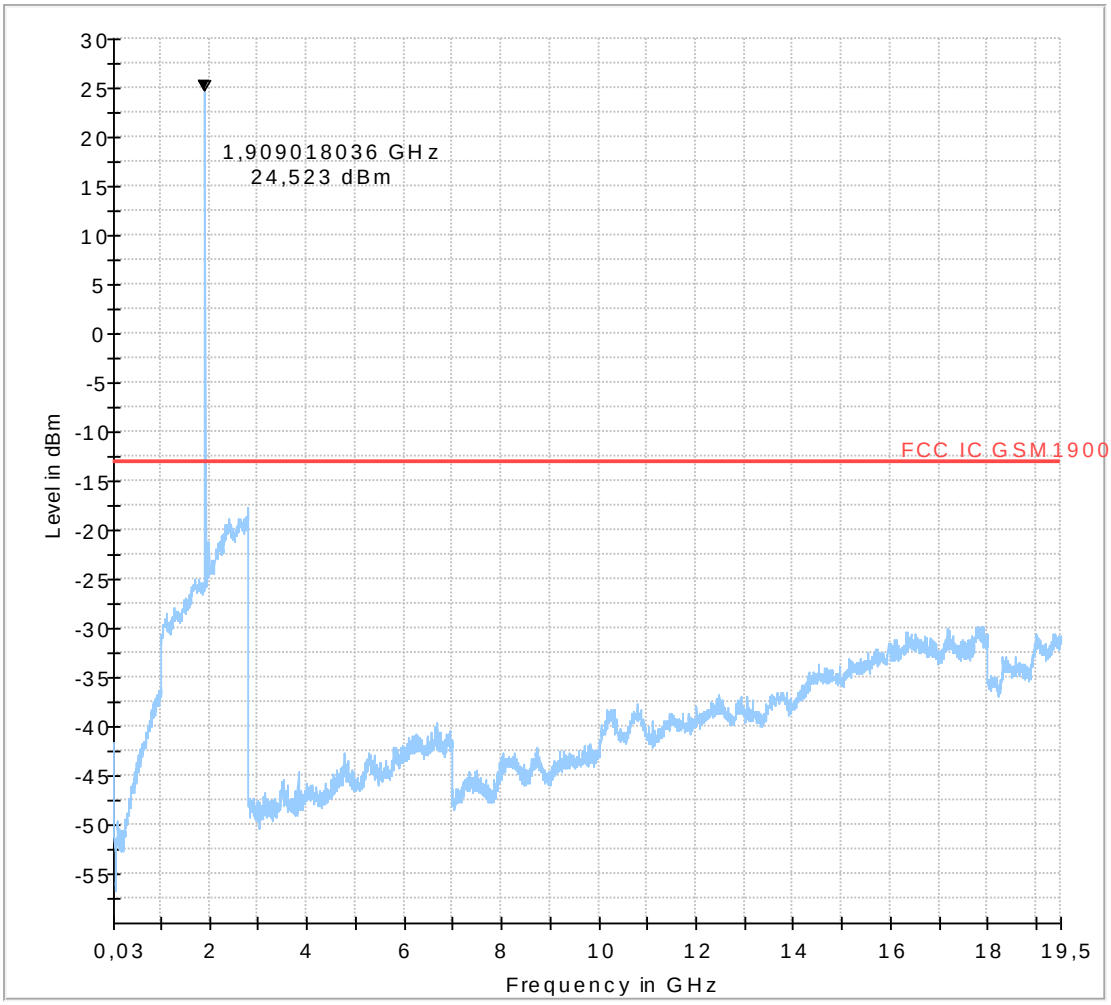
8.15_RSE_R_ Ch810_GPRS_laying

Common Information

Test Description:	Radiated Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part24.238/ RSS-133
Test Case:	-
Operating Mode:	MS allocated UL channel 810
Exclusionband:	1850 - 1910MHz
Environmental Conditions:	SLo
Operator:	DUT laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



1.5. Radiated emissions on 850 MHz operating mode band-edge

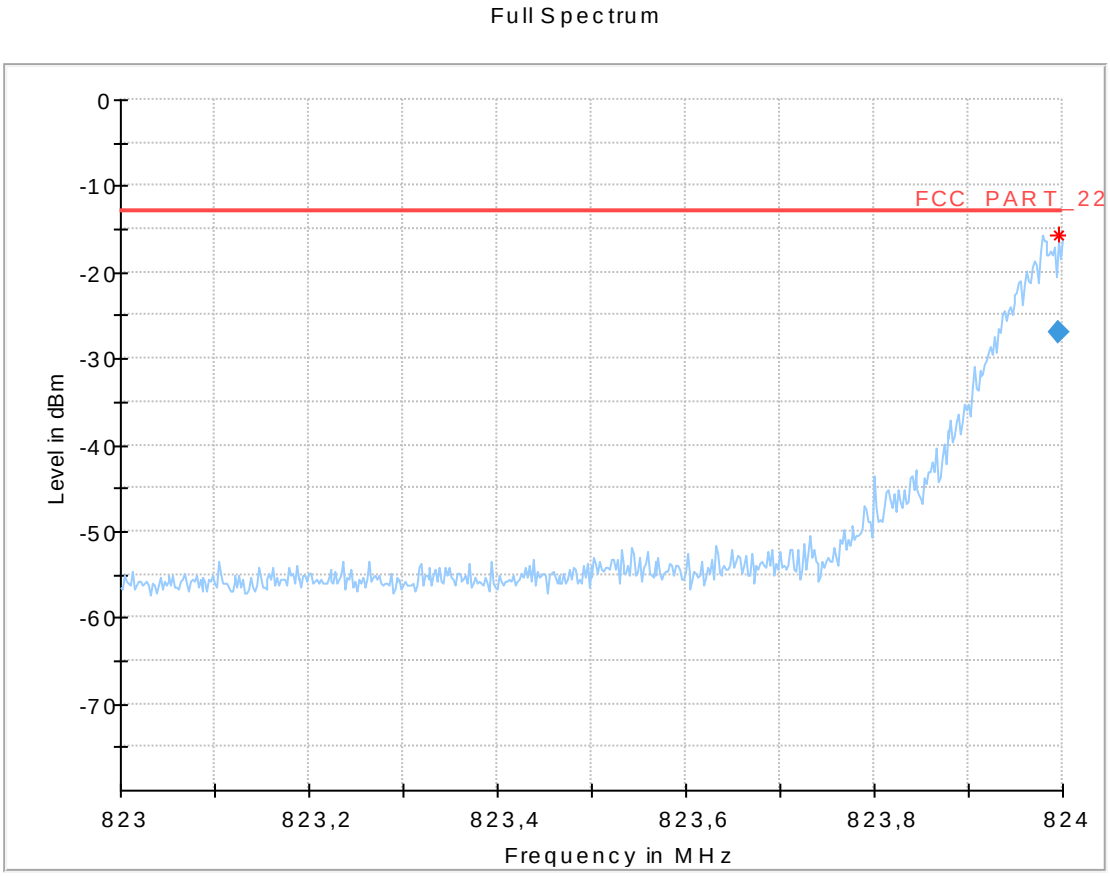
9.01a_RSE_R_ Ch128_GPRS

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/ RSS-132
Operating Mode:	MS allocated channel 128 (fc = 824.2MHz), PCL5 (+33dBm)
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	DLe
Comment:	Channel 128
Comment:	DUT Standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



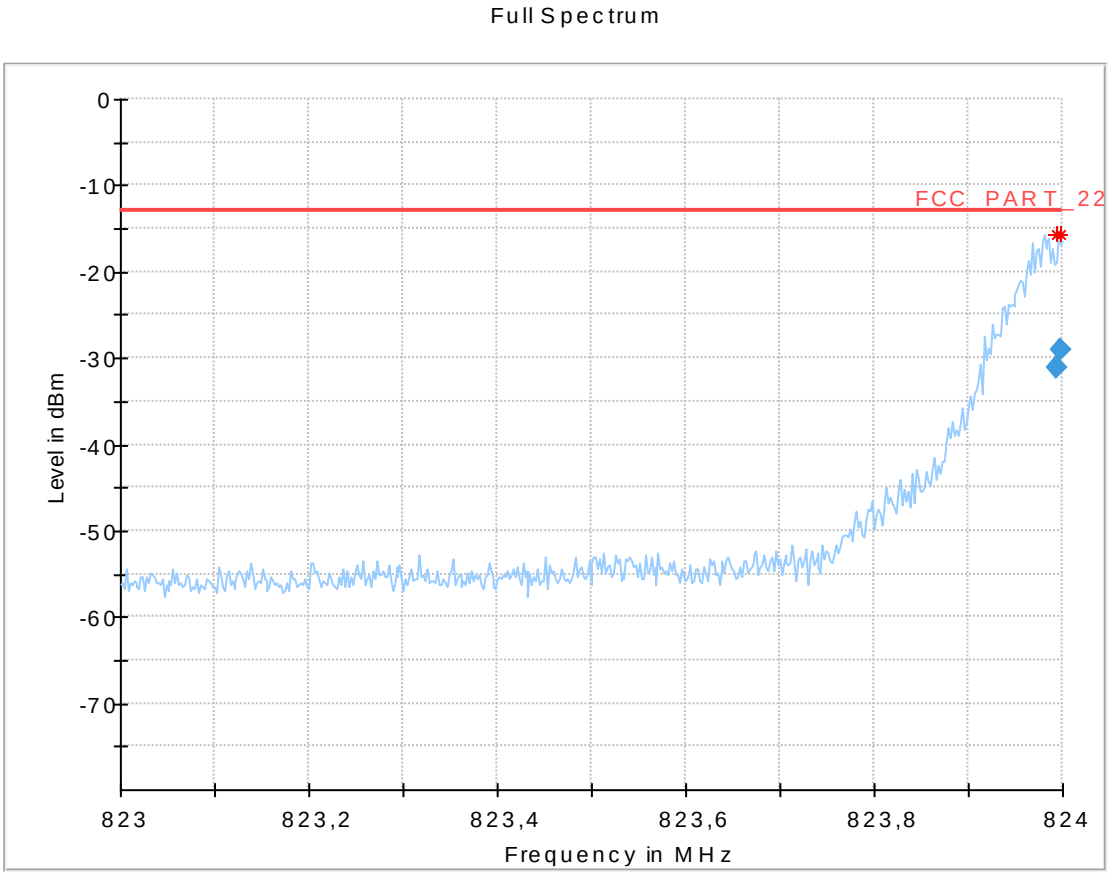
9.01b_RSE_R_ Ch128_GPRS

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/ RSS-132
Operating Mode:	MS allocated channel 128 (fc = 824.2MHz), PCL5 (+33dBm)
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	DLe
Comment:	Channel 128
Comment:	DUT Laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



Final_Result

Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
823.993988	-13.00	18.03	10000.0	V	-20.0	0.0	-75.8

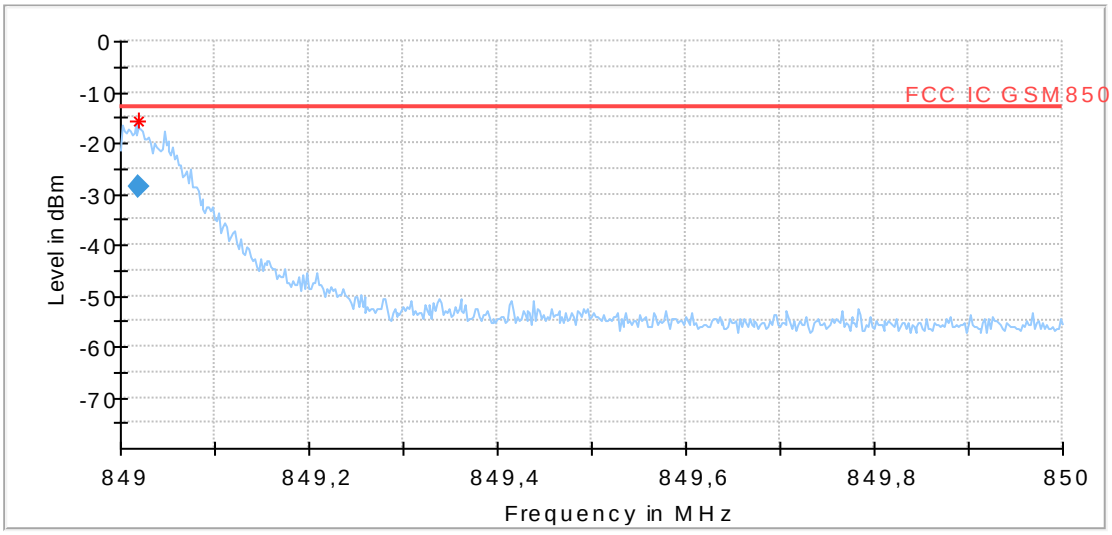
823.997996	-13.00	16.14	10000.0	V	0.0	0.0	-75.8

9.02a_RSE_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/ RSS-132
Operating Mode:	MS allocated channel 251 (fc = 848.8MHz), PCL0 (+33dBm)
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	DLe
Comment:	Channel 251
Comment:	DUT Standing

Full Spectrum



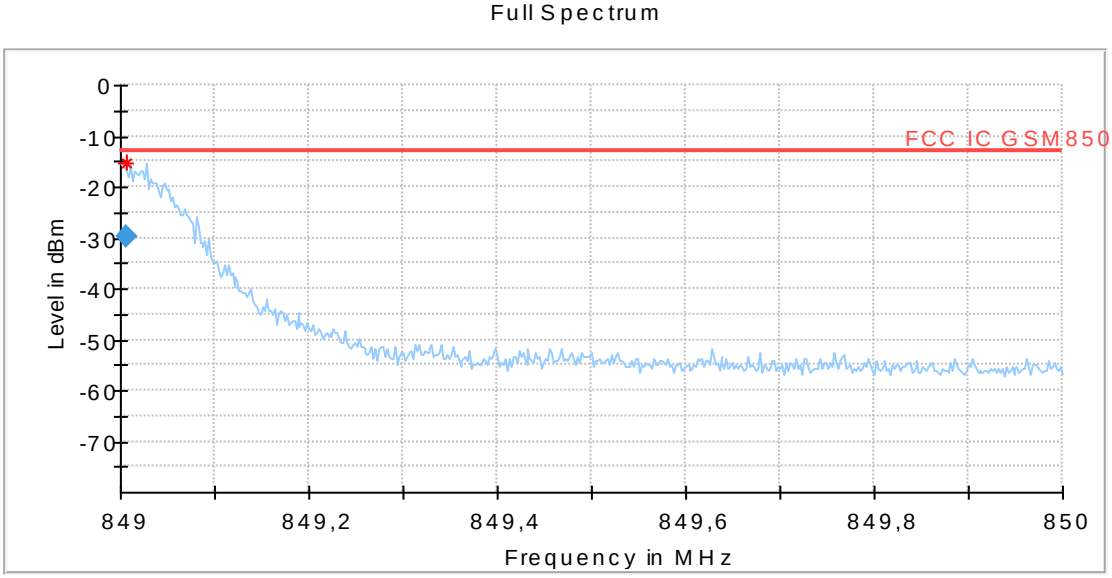
9.02b_RSE_R_ Ch251_GPRS

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/ RSS-132
Operating Mode:	MS allocated channel 251 (fc = 848.8MHz), PCL0 (+33dBm)
Exclusionband:	824 - 849MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	DLe
Comment:	Channel 251
Comment:	DUT Laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



Final_Result

Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
849.006012	-13.00	16.69	10000.0	V	-1.0	0.0	-75.9

1.6. Radiated emissions on 1900 MHz transmitting band-edge

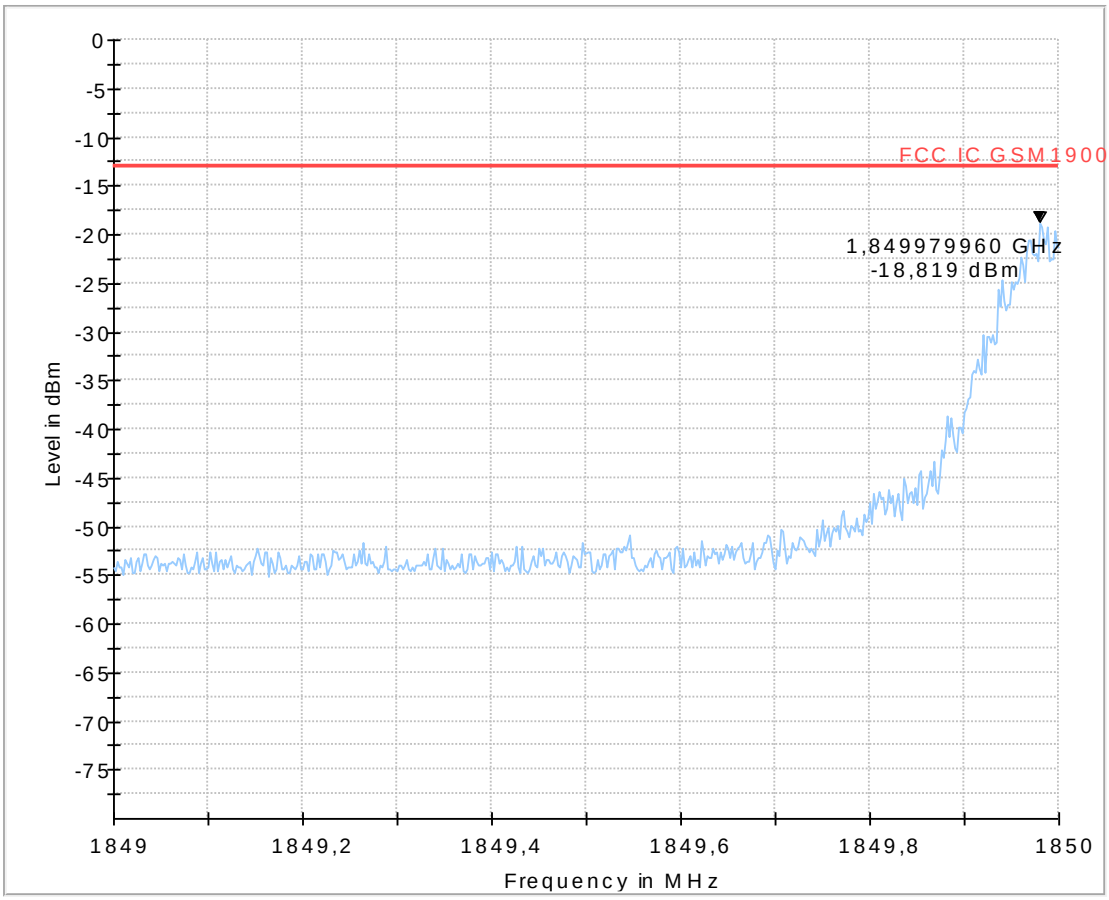
9.09a_BE_R_ Ch512_GPRS_Laying

Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238/ RSS-133
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	SLo
Comment:	DUT laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



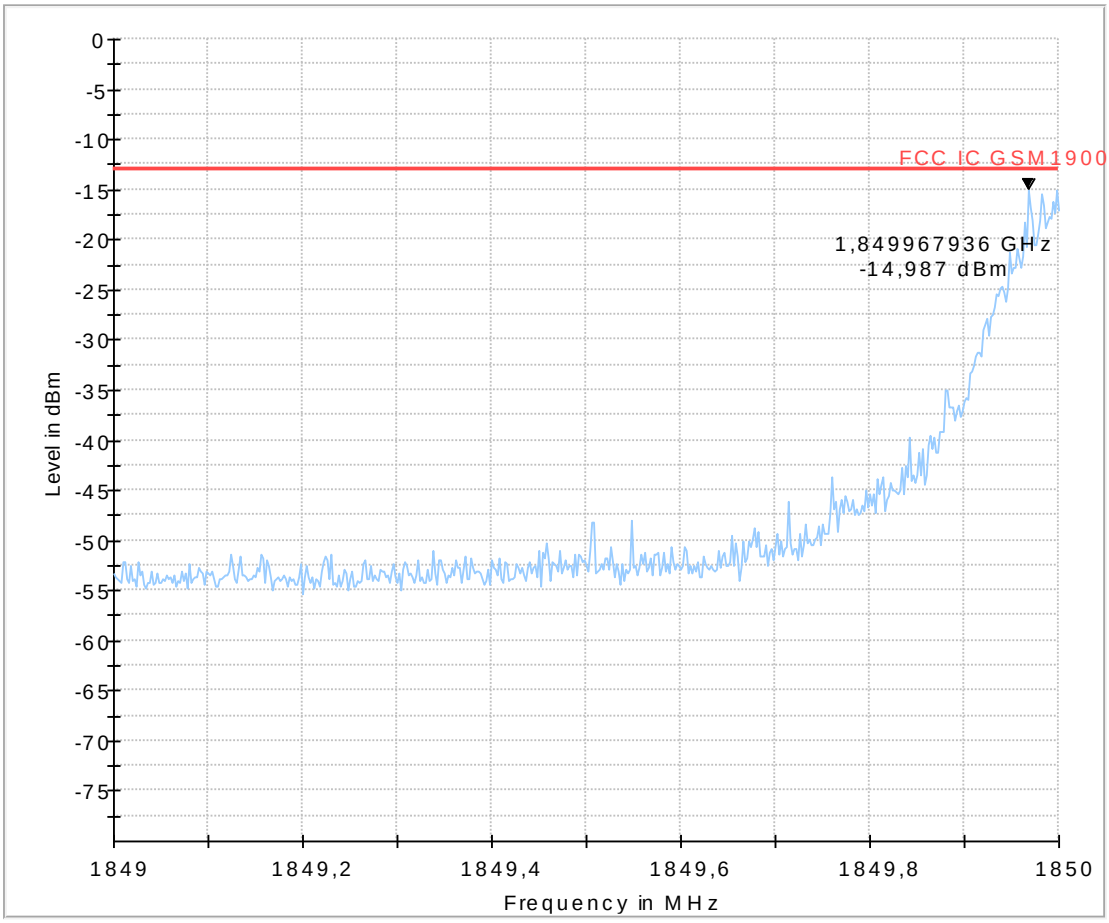
9.09b_BE_R_ Ch512_GPRS_Standing

Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238/ RSS-133
Comm. Link:	GSM1900, Voice/EDGE
Operating Mode:	MS allocated channel 512 (UL = 1850.2MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	SLo
Comment:	DUT standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



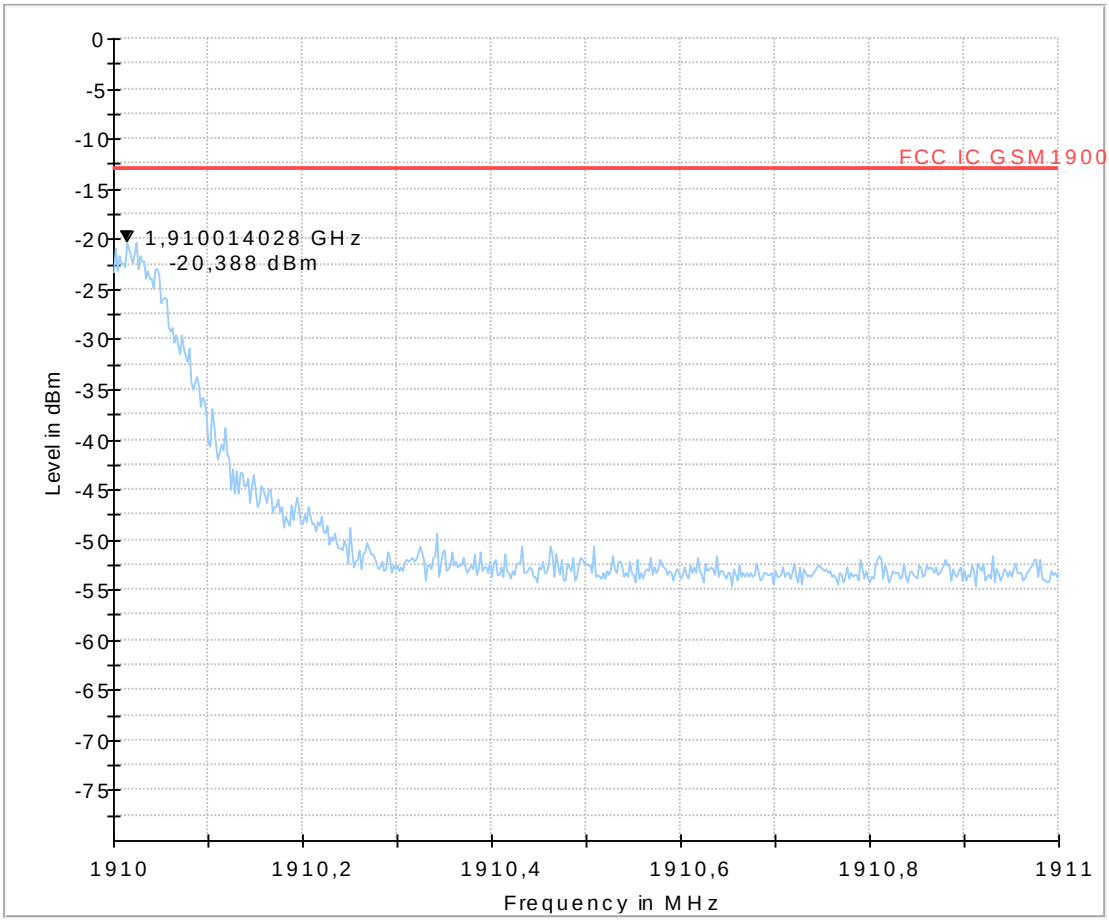
9.10a_BE_R_ Ch810_GPRS_laying

Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238/ RSS-133
Comm. Link:	GSM1900, GPRS
Operating Mode:	MS allocated channel 810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	SLo
Comment:	DUT laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



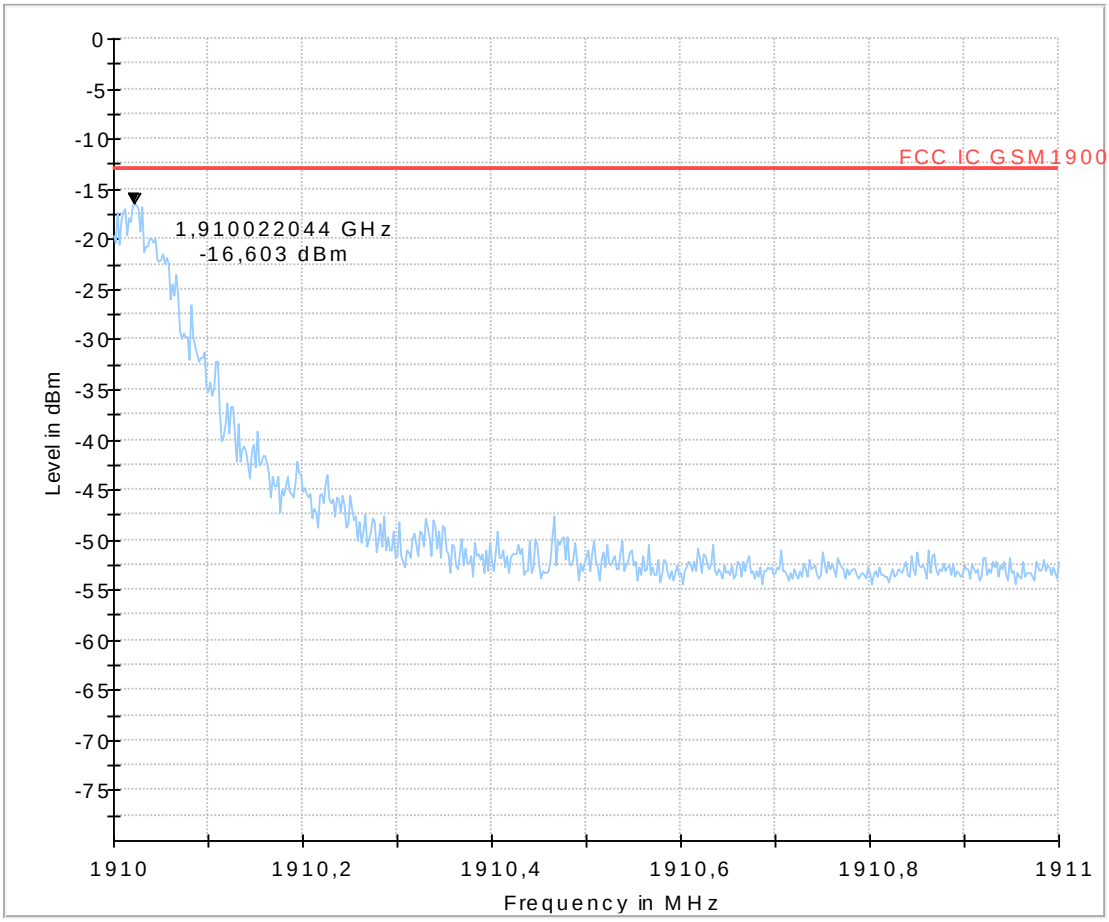
9.10b_BE_R_ Ch810_GPRS_standing

Common Information

Test Description:	Radiated Spurious Emissions GSM1900
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238/ RSS-133
Comm. Link:	GSM1900, GPRS
Operating Mode:	MS allocated channel 810 (UL = 1909.8MHz)
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 40%rH; Temperature: 19°C
Operator:	SLo
Comment:	DUT standing

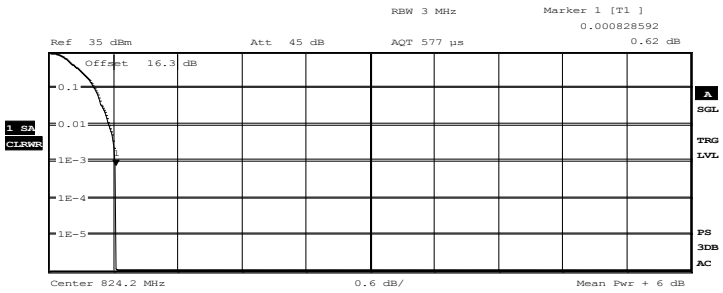
EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EUT:	V1231-0
---	---
HW version:	V1231-0_Ver.1
SW version:	MPSS.TH.2.0.2-00256
Serial number:	004402580040446
Connected Interfaces:	Multiband antenna LTE + GNSS (9396828-02, S/N: 50110256),Multiband antenna LTE (9396827-02, S/N 50110255) microphone, loudspeaker, cables
Power Supply:	12VDC
Comments:	-



1.7. Power Measurements and PAPR-Value

1.7.1. GSM 850 (GMSK Modulation)

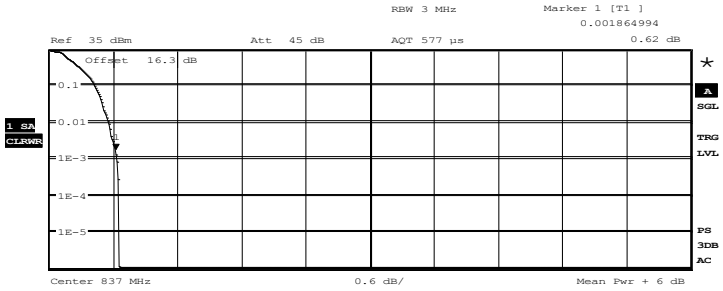


Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	31.95 dBm
Peak	32.57 dBm
Crest	0.62 dB
10 %	0.42 dB
1 %	0.56 dB
.1 %	0.62 dB
.01 %	0.63 dB

Date: 5.APR.2017 12:04:00

Diagram 1: Channel 128

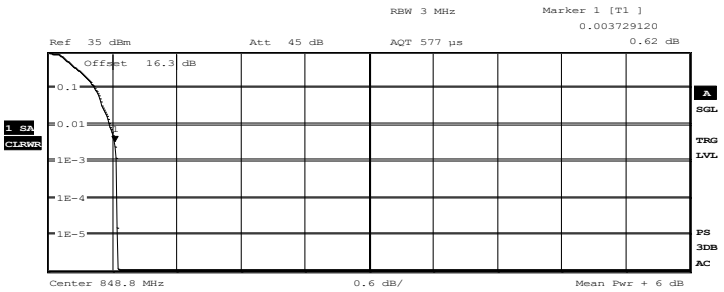


Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	31.85 dBm
Peak	32.50 dBm
Crest	0.65 dB
10 %	0.42 dB
1 %	0.56 dB
.1 %	0.63 dB
.01 %	0.65 dB

Date: 5.APR.2017 12:06:51

Diagram 2: Channel 192



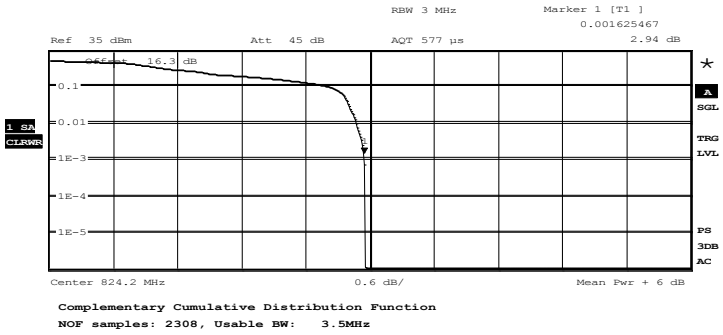
Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	31.93 dBm
Peak	32.57 dBm
Crest	0.64 dB
10 %	0.43 dB
1 %	0.57 dB
.1 %	0.63 dB
.01 %	0.64 dB

Date: 5.APR.2017 12:08:11

Diagram 3: Channel 251

1.7.2. GSM 850 (8-PSK Modulation)



Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	26.44 dBm
Peak	29.40 dBm
Crest	2.96 dB
10 %	2.63 dB
1 %	2.88 dB
.1 %	2.95 dB
.01 %	2.96 dB

Date: 5.APR.2017 11:53:31

Diagram 4: Channel 128

Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	26.19 dBm
Peak	29.18 dBm
Crest	2.99 dB
10 %	2.38 dB
1 %	2.88 dB
.1 %	2.97 dB
.01 %	3.00 dB

Date: 5.APR.2017 11:56:58

Diagram 5: Channel 192

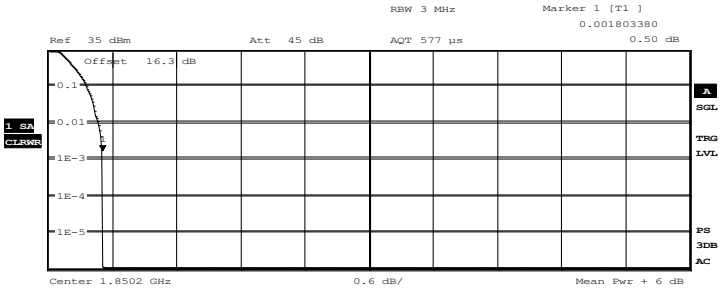
Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	26.17 dBm
Peak	29.33 dBm
Crest	3.15 dB
10 %	2.54 dB
1 %	3.05 dB
.1 %	3.13 dB
.01 %	3.15 dB

Date: 5.APR.2017 11:58:25

Diagram 6: Channel 251

1.7.3. GSM 1900 (GMSK Modulation)

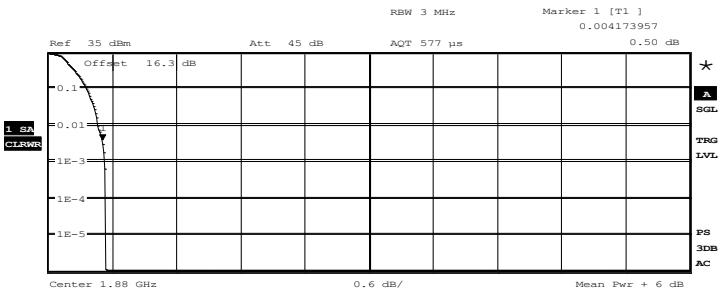


Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	29.24 dBm
Peak	29.75 dBm
Crest	0.51 dB
10 %	0.36 dB
1 %	0.46 dB
.1 %	0.50 dB
.01 %	0.51 dB

Date: 5.APR.2017 12:12:34

Diagram 7: Channel 512

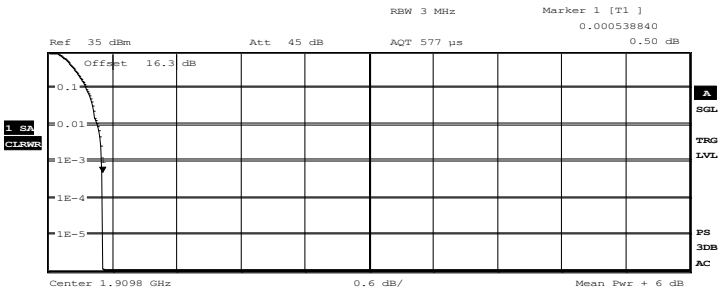


Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	28.72 dBm
Peak	29.25 dBm
Crest	0.53 dB
10 %	0.36 dB
1 %	0.46 dB
.1 %	0.53 dB
.01 %	0.54 dB

Date: 5.APR.2017 12:15:09

Diagram 8: Channel 661



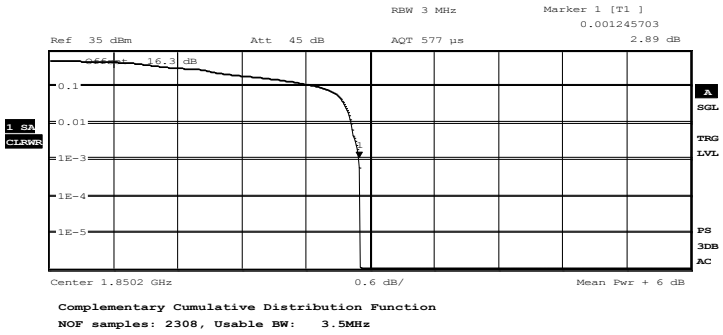
Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	28.33 dBm
Peak	28.83 dBm
Crest	0.50 dB
10 %	0.36 dB
1 %	0.46 dB
.1 %	0.50 dB
.01 %	0.51 dB

Date: 5.APR.2017 12:17:30

Diagram 9: Channel 810

1.7.4. GSM 1900 (8-PSK Modulation)

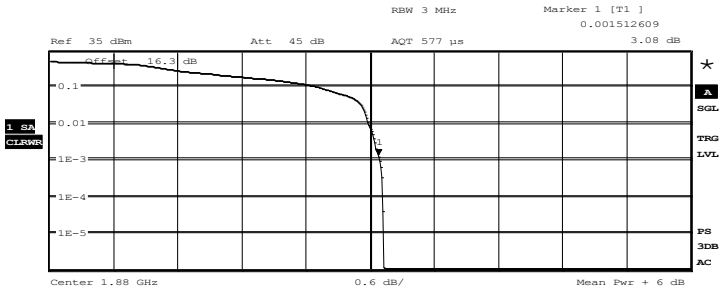


Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	25.15 dBm
Peak	28.06 dBm
Crest	2.91 dB
10 %	2.53 dB
1 %	2.83 dB
.1 %	2.89 dB
.01 %	2.91 dB

Date: 5.APR.2017 12:23:06

Diagram 10: Channel 512

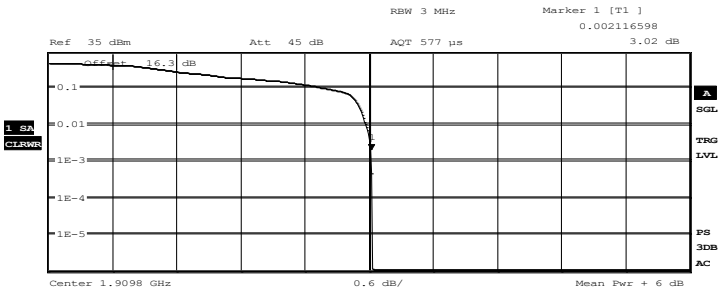


Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	24.51 dBm
Peak	27.63 dBm
Crest	3.12 dB
10 %	2.53 dB
1 %	2.98 dB
.1 %	3.10 dB
.01 %	3.13 dB

Date: 5.APR.2017 12:25:45

Diagram 11: Channel 661



Complementary Cumulative Distribution Function
NOF samples: 2308, Usable BW: 3.5MHz

	Trace 1
Mean	24.18 dBm
Peak	27.21 dBm
Crest	3.03 dB
10 %	2.62 dB
1 %	2.97 dB
.1 %	3.03 dB
.01 %	3.04 dB

Date: 5.APR.2017 12:28:52

Diagram 12: Channel 810

1.8. 26dBc Emission bandwidth

1.8.1. GPRS 850 MHz TX-Mode

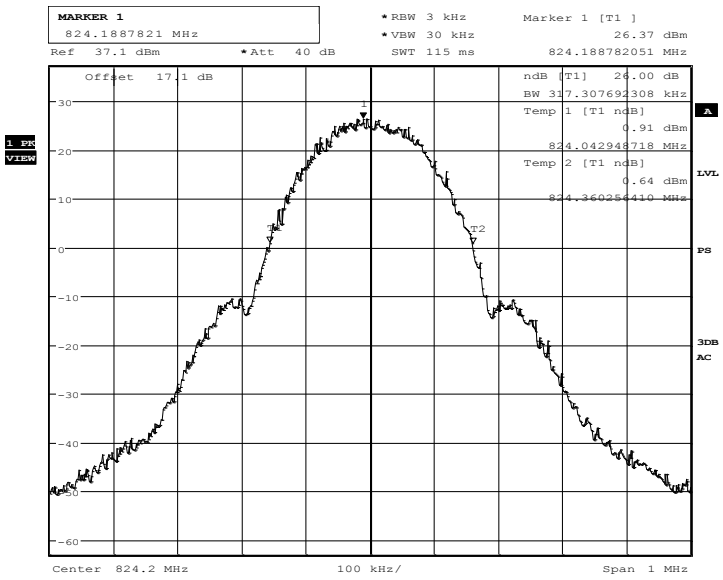


Diagram 13: Channel 128

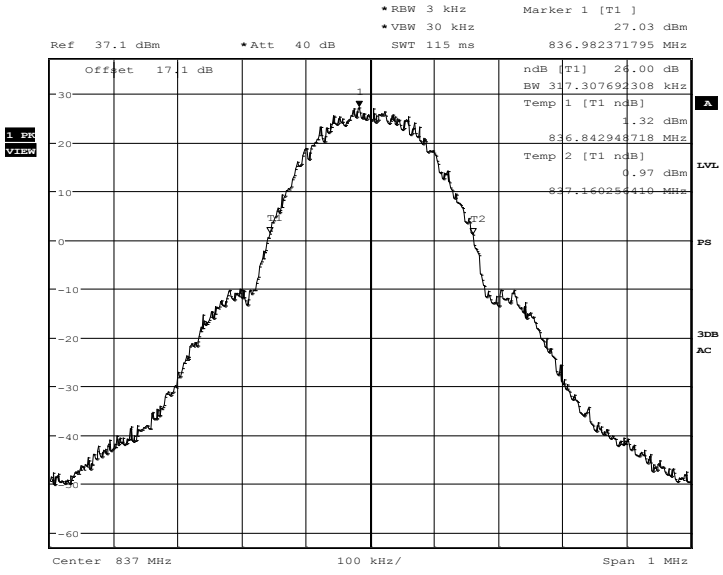
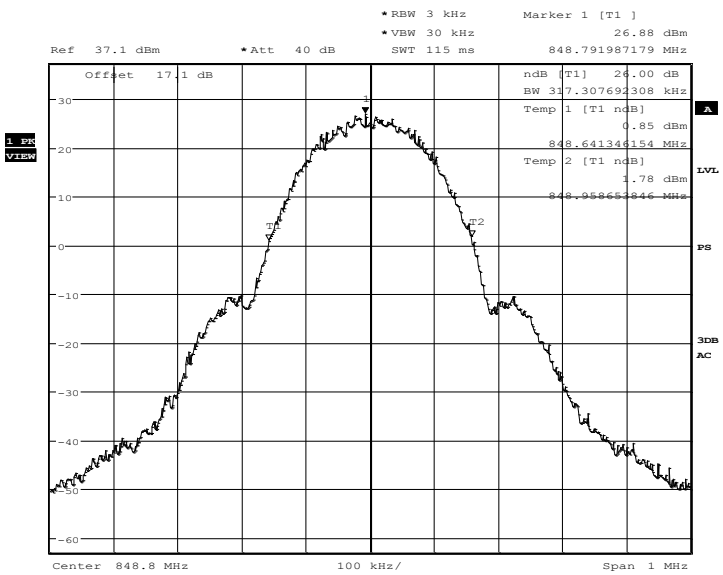


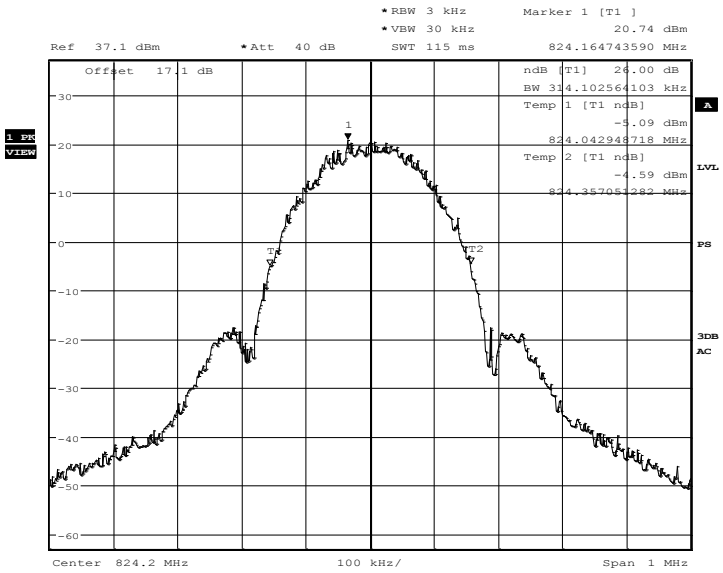
Diagram 14: Channel 192



Date: 29.APR.2017 13:22:03

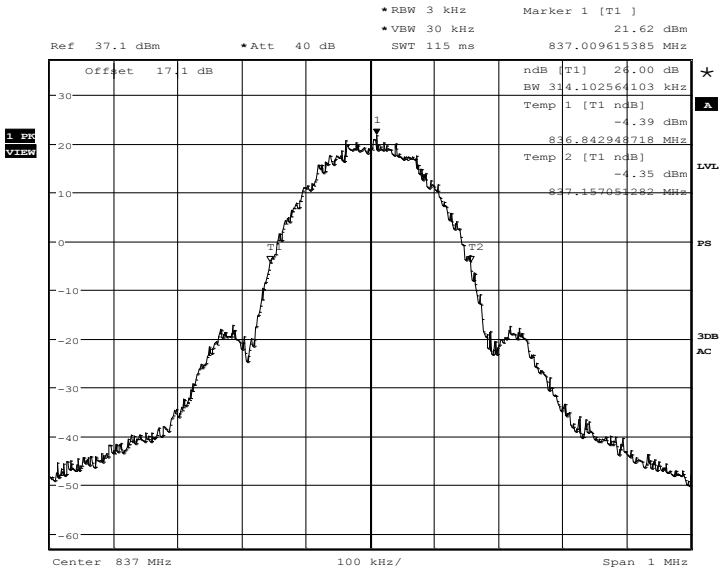
Diagram 15: Channel 251

1.8.2. E-GPRS 850 MHz TX-Mode



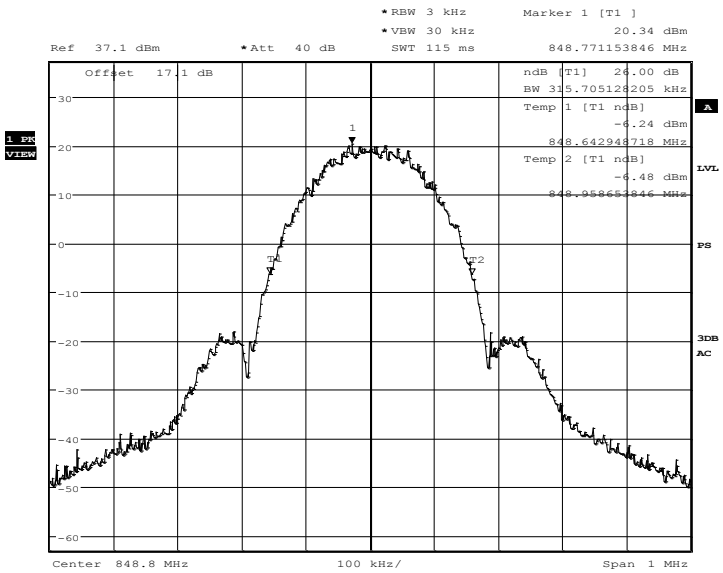
Date: 29.APR.2017 13:34:10

Diagram 16: Channel 128



Date: 29.APR.2017 13:31:26

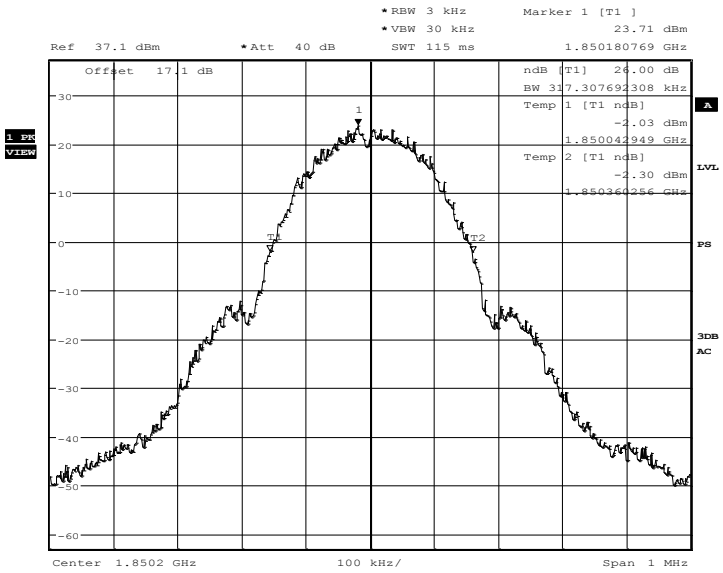
Diagram 17: Channel 192



Date: 29.APR.2017 13:27:12

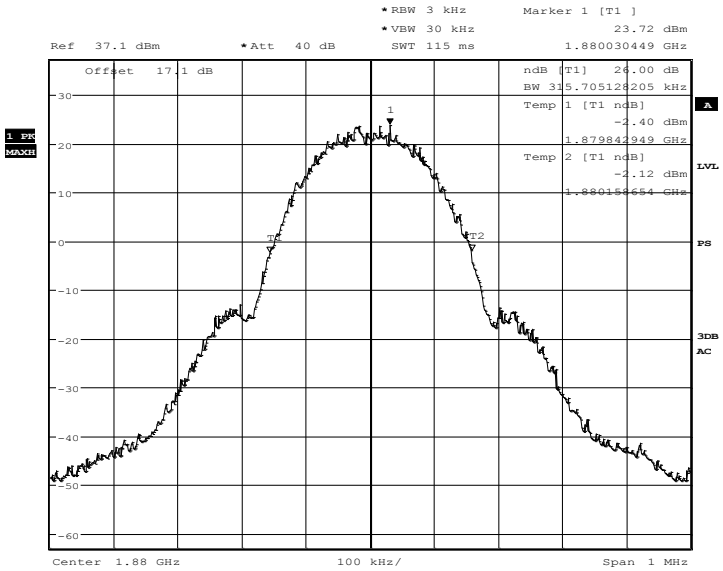
Diagram 18: Channel 251

1.8.3. GPRS 1900 MHz TX-Mode



Date: 29.APR.2017 14:53:32

Diagram 19: Channel 512



Date: 29.APR.2017 14:43:38

Diagram 20: Channel 661

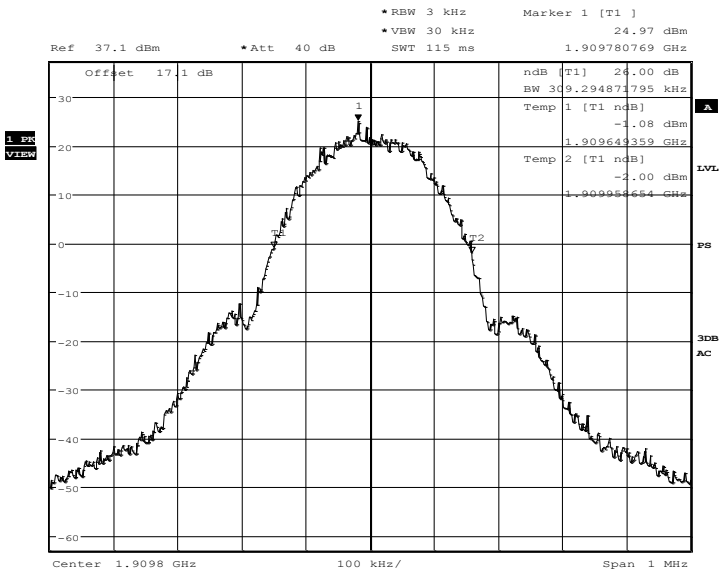
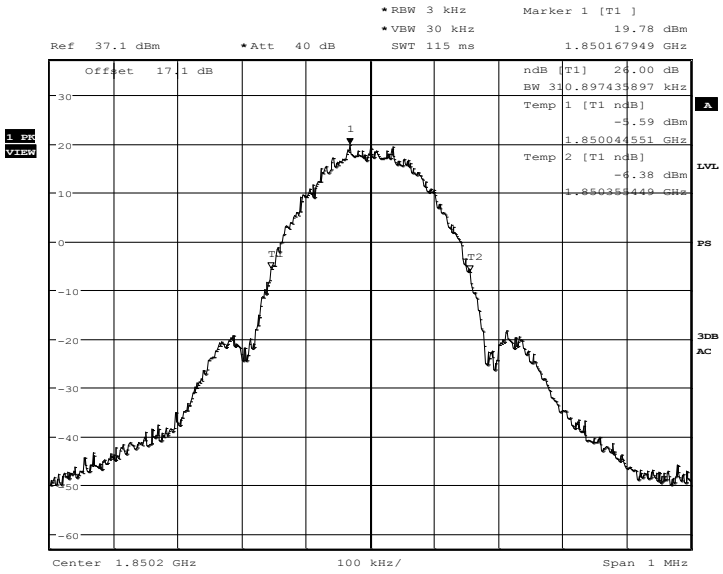


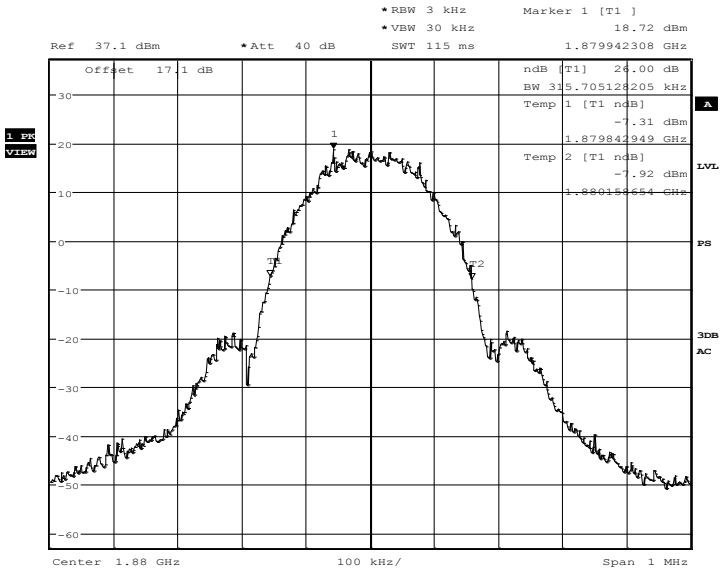
Diagram 21: Channel 810

1.8.4. E-GPRS 1900 MHz TX-Mode



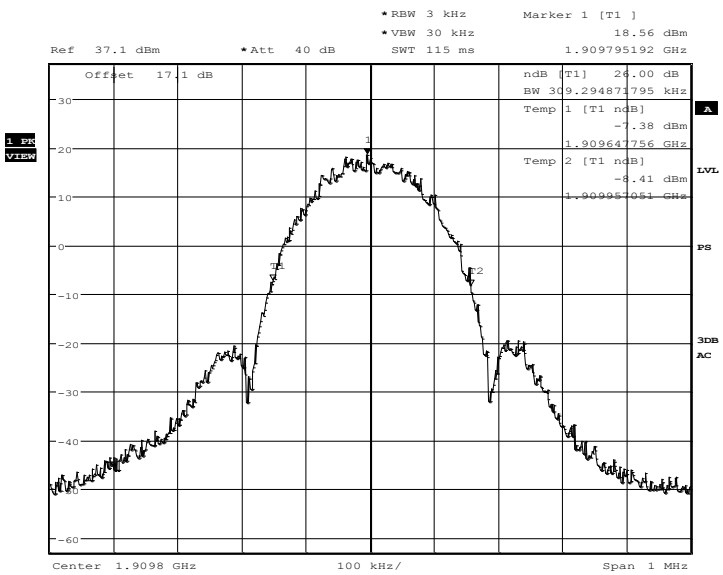
Date: 29.APR.2017 14:59:24

Diagram 22: Channel 512



Date: 29.APR.2017 15:04:39

Diagram 23: Channel 661

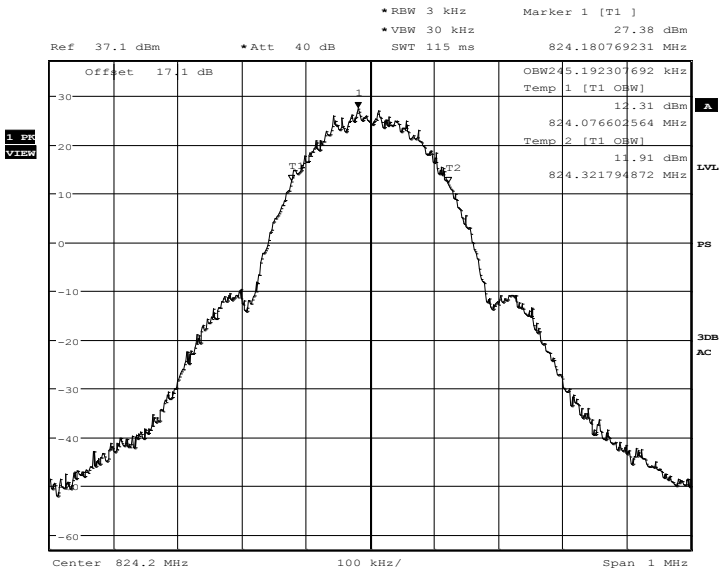


Date: 29.APR.2017 15:09:21

Diagram 24: Channel 810

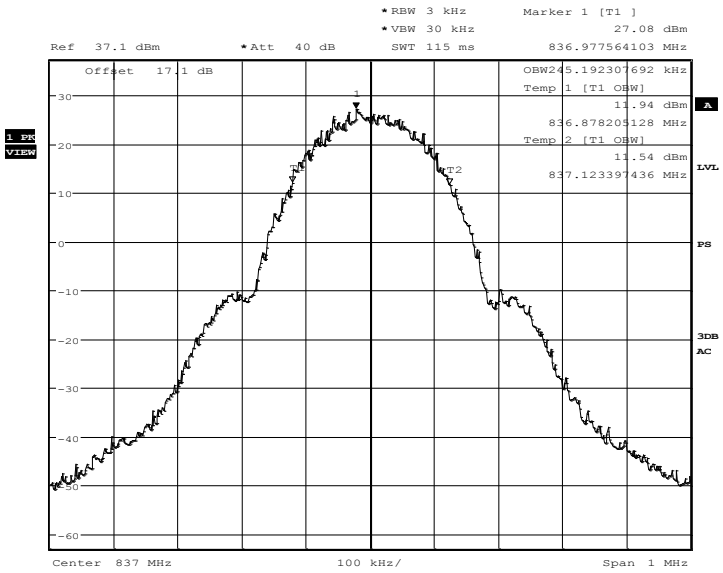
1.9. 99% Occupied bandwidth

1.9.1. GPRS 850 MHz TX-Mode



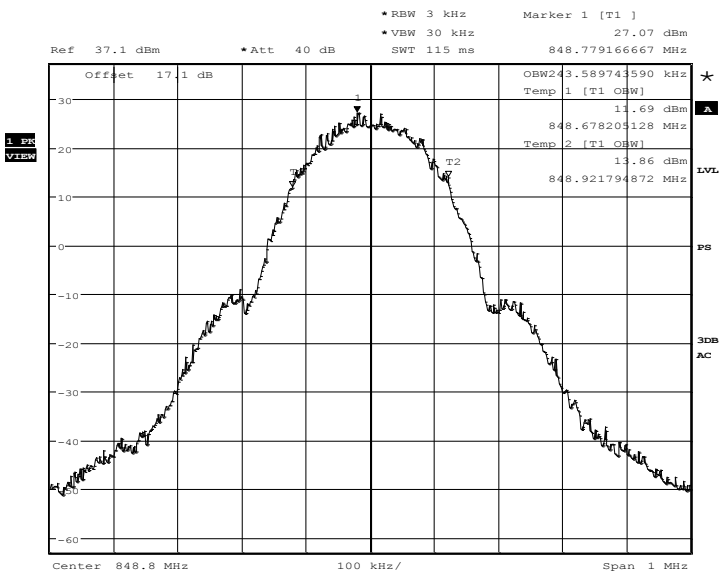
Date: 29.APR.2017 14:02:10

Diagram 25: Channel 128



Date: 29.APR.2017 13:58:00

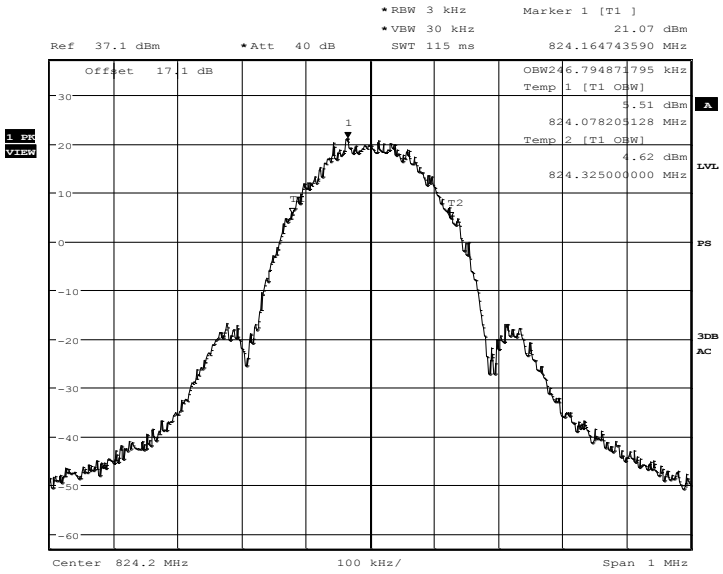
Diagram 26: Channel 192



Date: 29.APR.2017 13:53:31

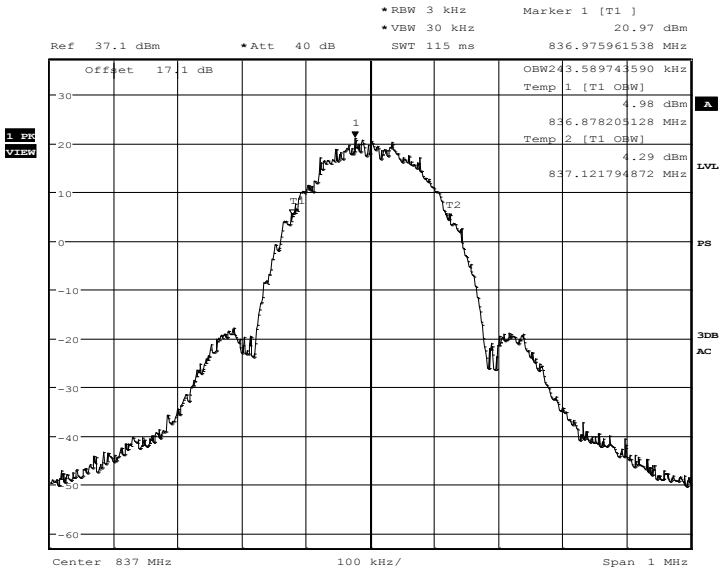
Diagram 27: Channel 251

1.9.2. E-GPRS 850 MHz TX-Mode



Date: 29.APR.2017 13:41:28

Diagram 28: Channel 128



Date: 29.APR.2017 13:45:00

Diagram 29: Channel 192

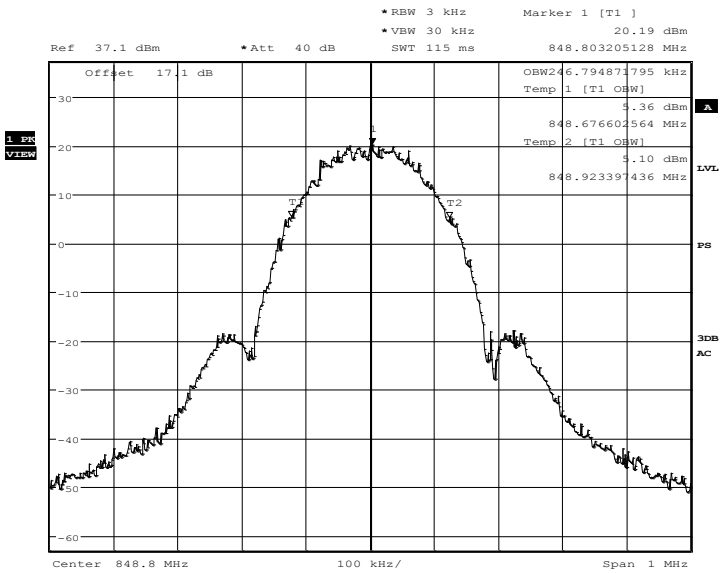
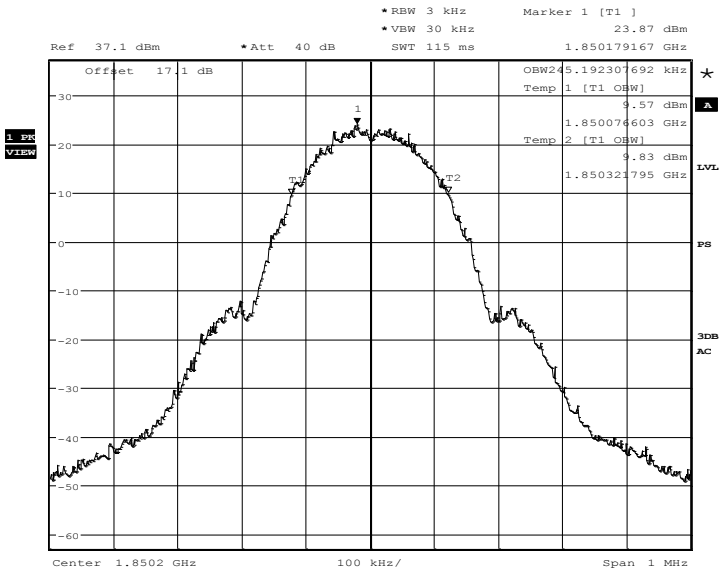


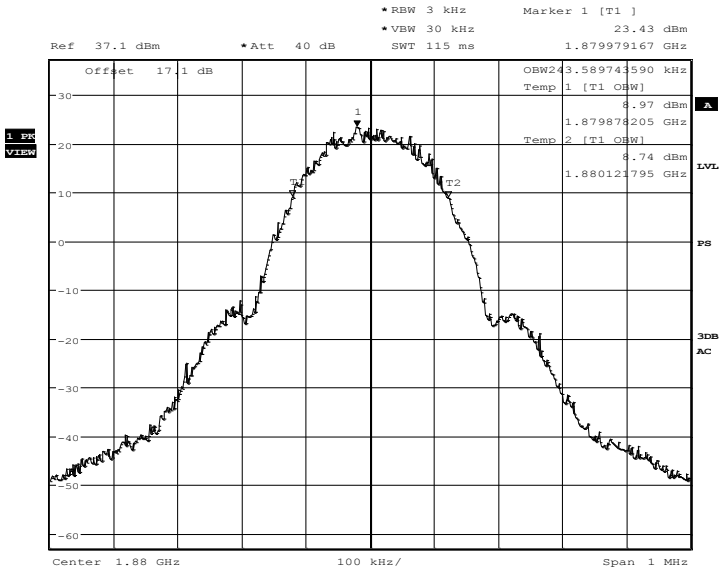
Diagram 30: Channel 251

1.9.3. GPRS 1900 MHz TX-Mode



Date: 29.APR.2017 14:19:14

Diagram 31: Channel 512



Date: 29.APR.2017 14:24:45

Diagram 32: Channel 661

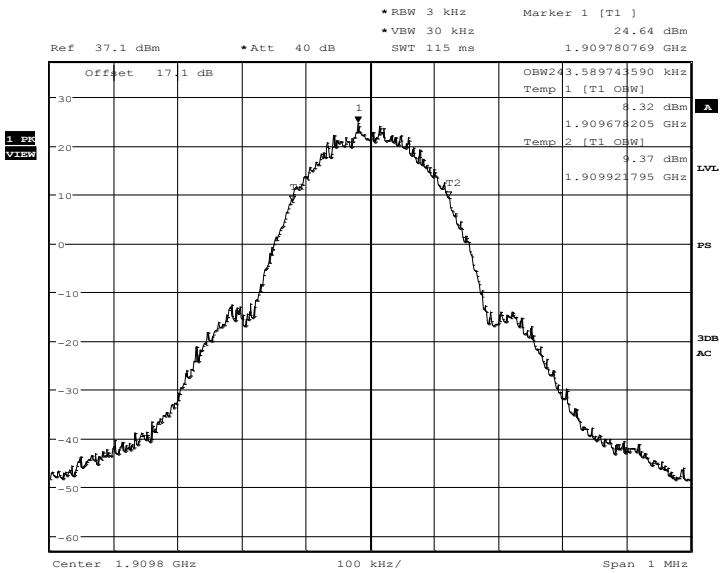
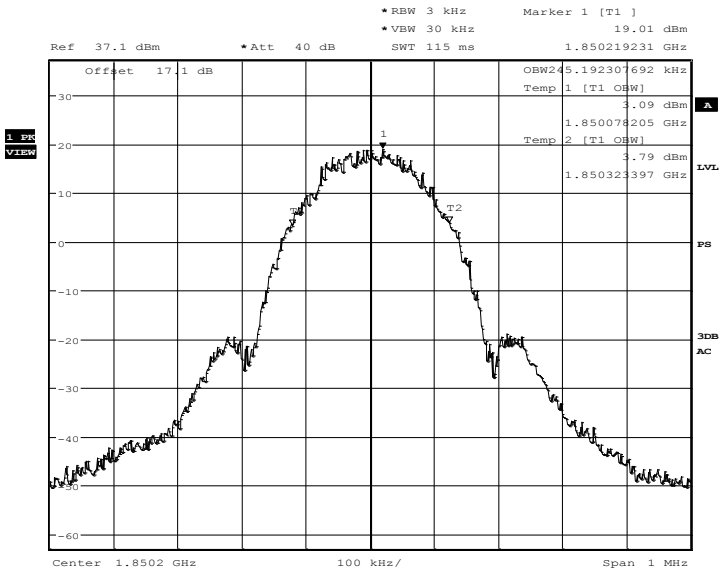


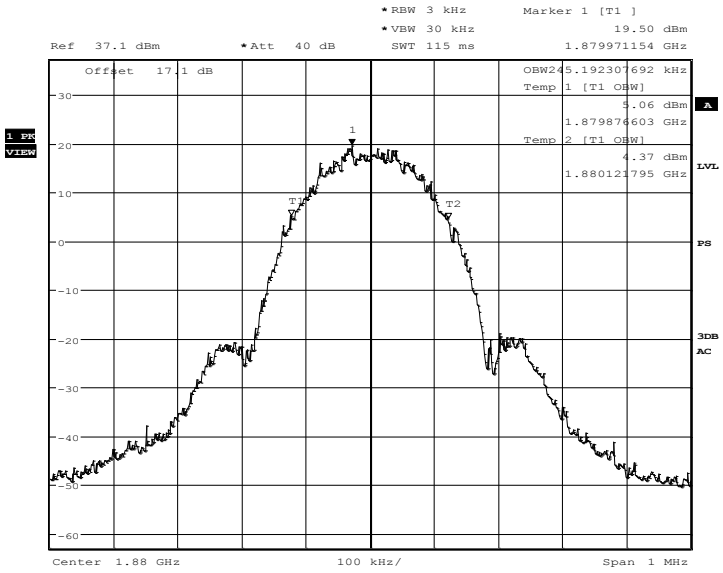
Diagram 33: Channel 810

1.9.4. E-GPRS 1900 MHz TX-Mode



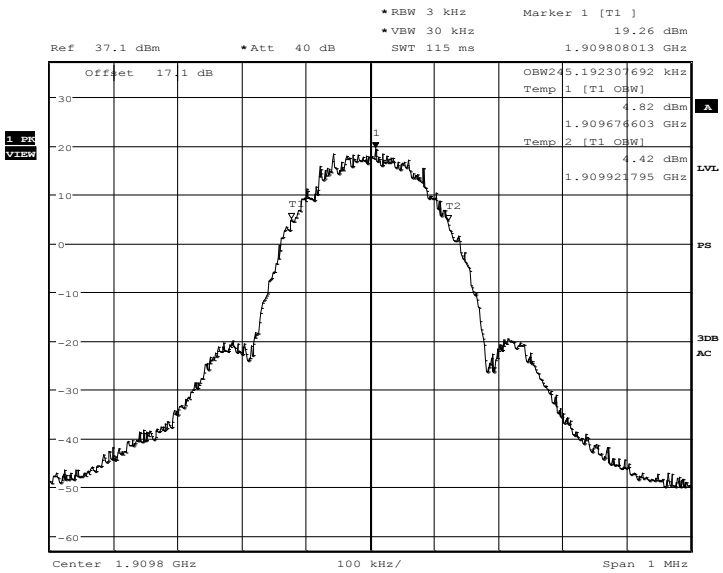
Date: 29.APR.2017 15:26:45

Diagram 34: Channel 512



Date: 29.APR.2017 15:22:15

Diagram 35: Channel 661



Date: 29.APR.2017 15:17:14

Diagram 36: Channel 810

1.10. Spurious emissions conducted on 850MHz (GPRS operating mode)

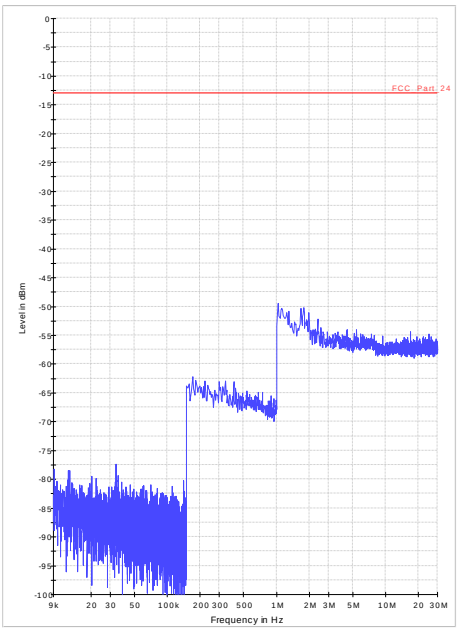


Diagram 36.01: Channel 128 – Sweep 1

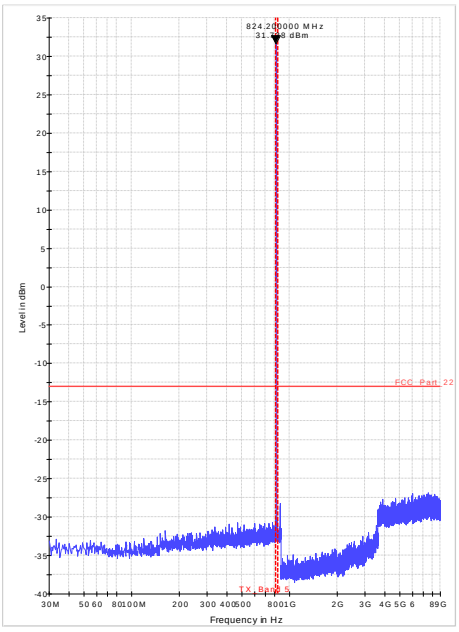


Diagram 36.02: Channel 128 – Sweep2

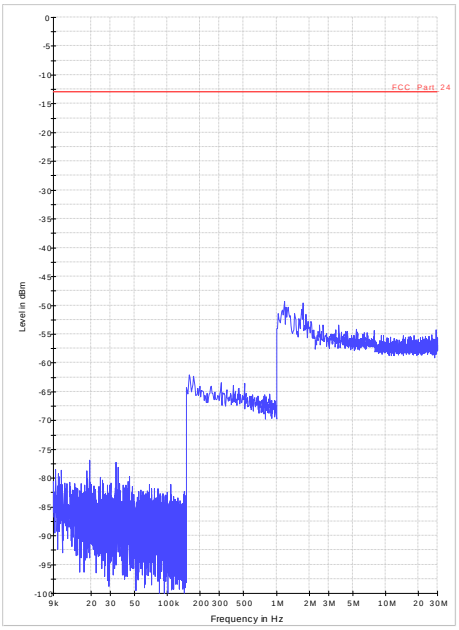


Diagram 36.03: Channel 192 – Sweep1

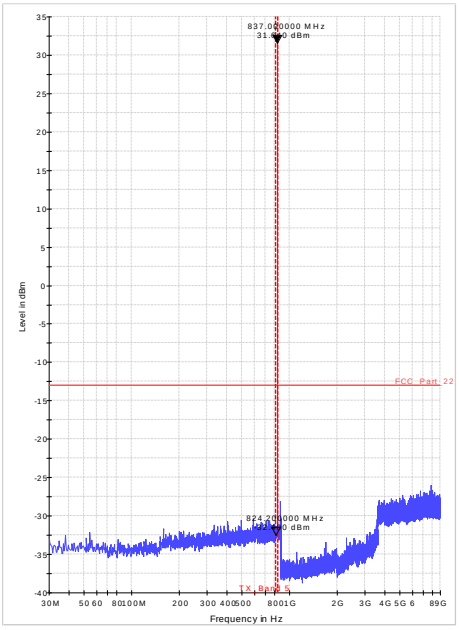


Diagram 36.04: Channel 192 – Sweep2

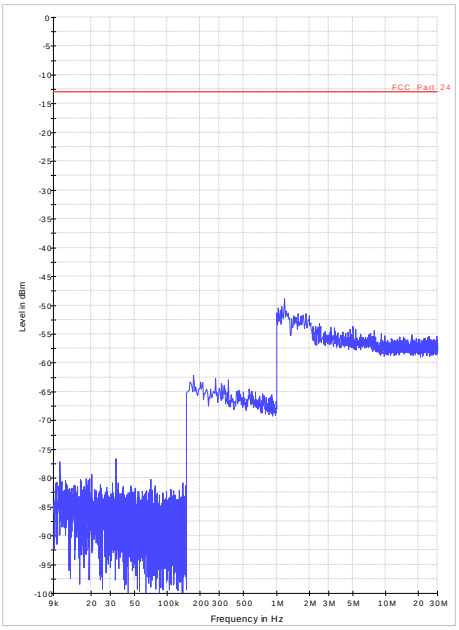


Diagram 36.05: Channel 251 – Sweep3

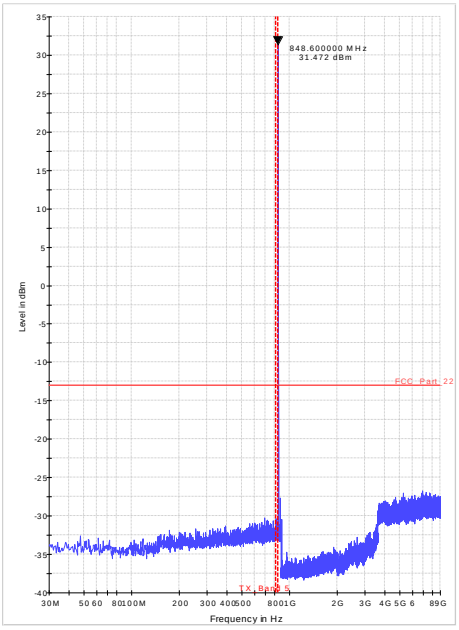


Diagram 36.06: Channel 251 – Sweep3

1.11. Spurious emissions conducted on 850 MHz (8-PSK operating mode)

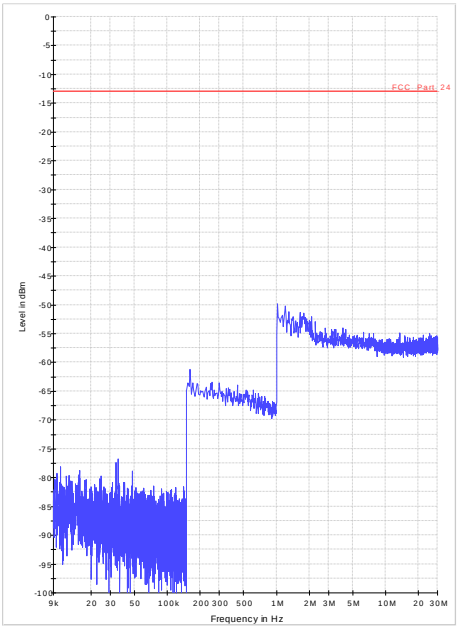


Diagram 36.07: Channel 128

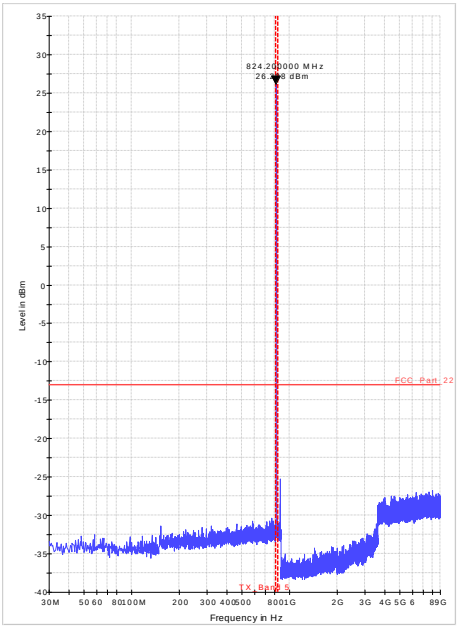


Diagram 36.08: Channel 128

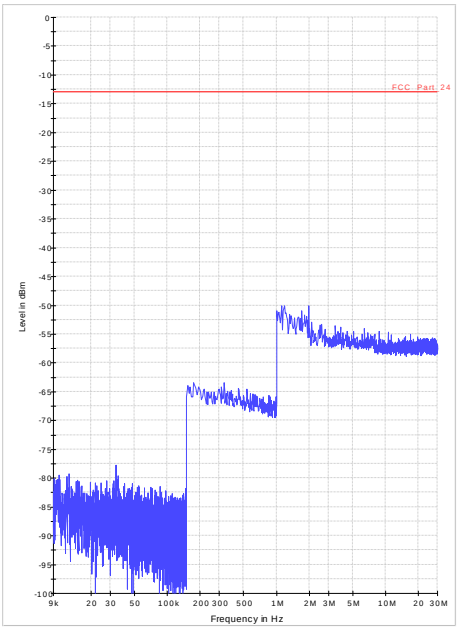


Diagram 36.09: Channel 192

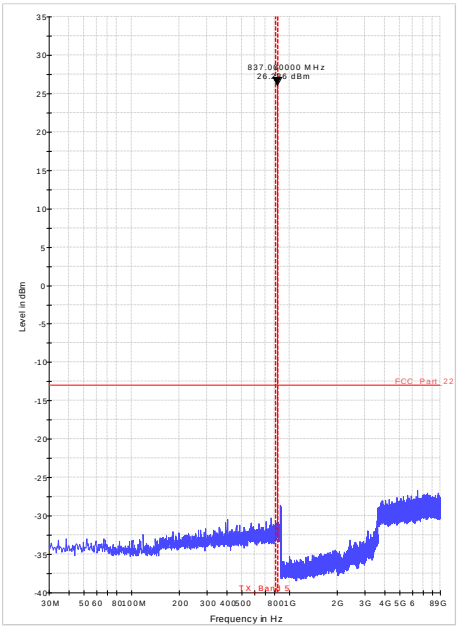


Diagram 36.10: Channel 192

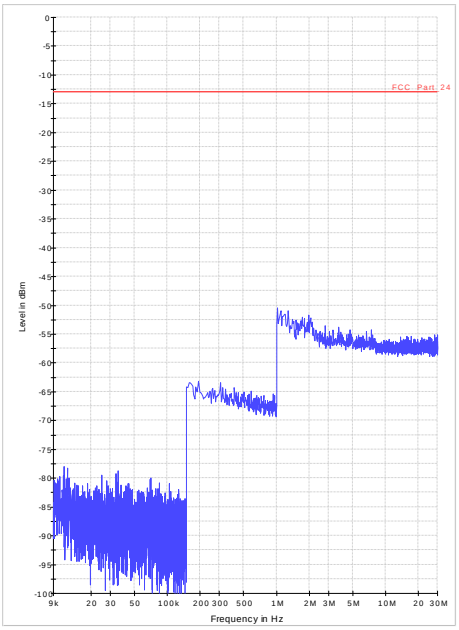


Diagram 36.11: Channel 251

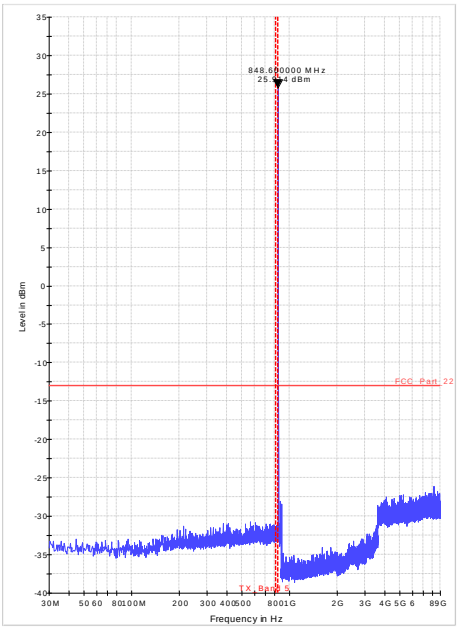


Diagram 36.12: Channel 251

1.12. Spurious emissions conducted on 1900 MHz (GPRS operating mode)

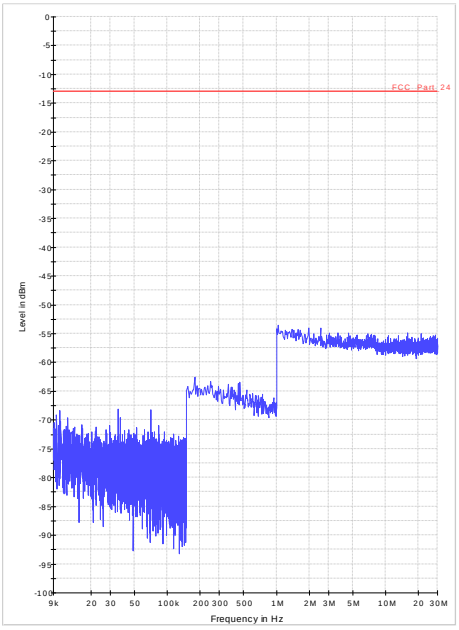


Diagram 36.20: Channel 512 – Sweep1

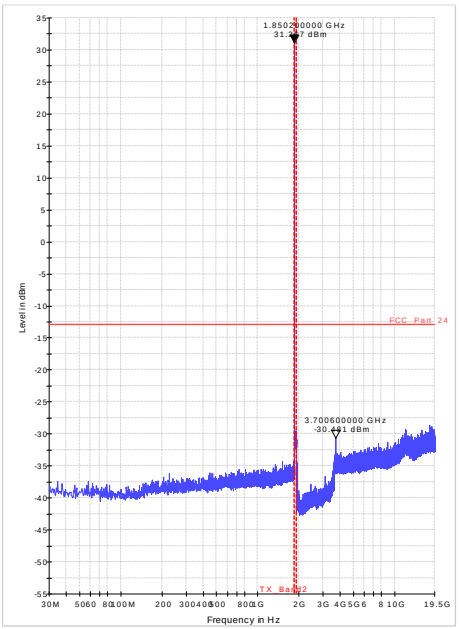


Diagram 36.21: Channel 512 – Sweep2

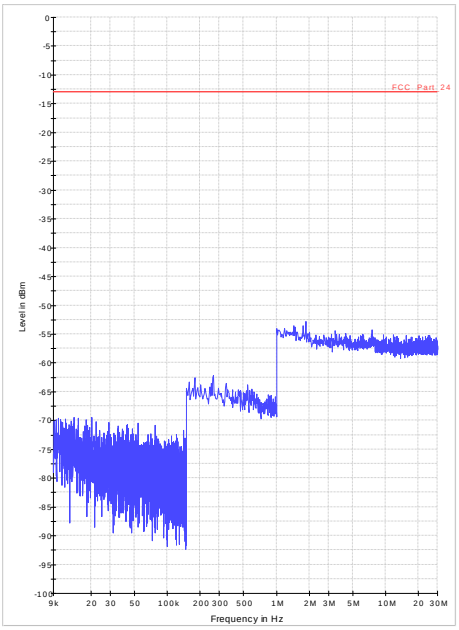


Diagram 36.22: Channel 661 – Sweep1

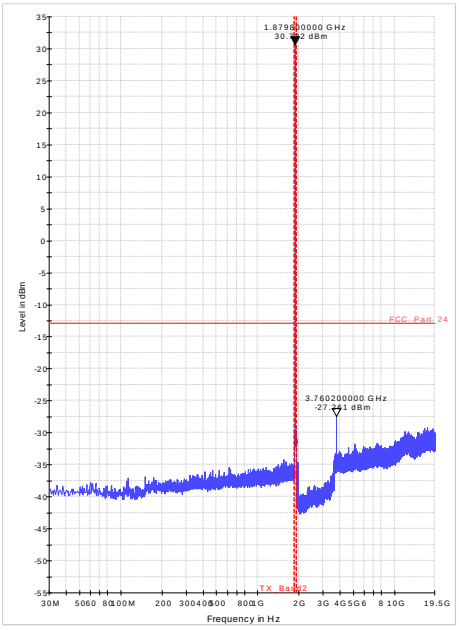


Diagram 36.23: Channel 661 – Sweep2

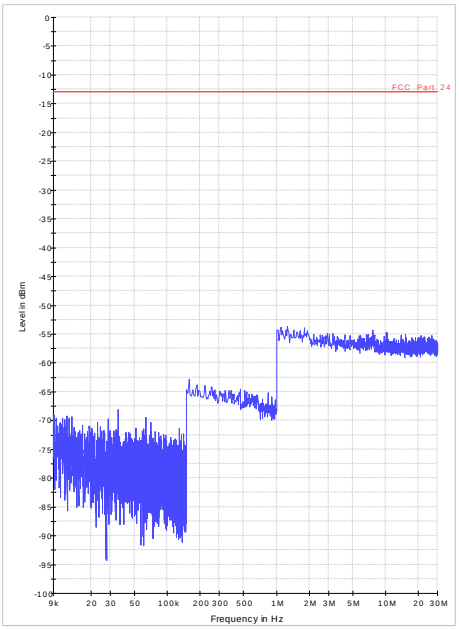


Diagram 36.24: Channel 810 – Sweep1

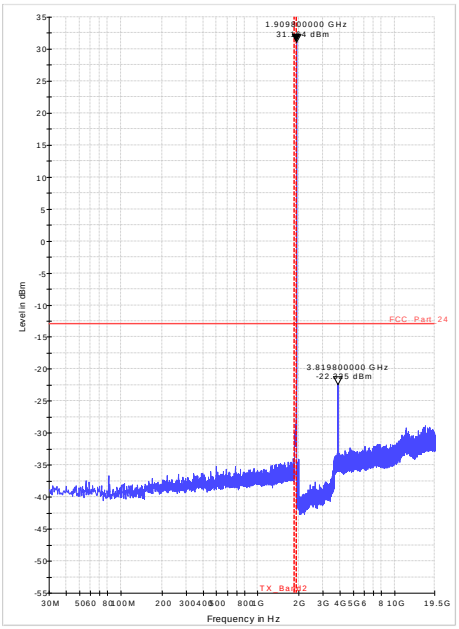


Diagram 36.25: Channel 810 – Sweep 2

1.13. Spurious emissions conducted on 1900 MHz (8-PSK operating mode)

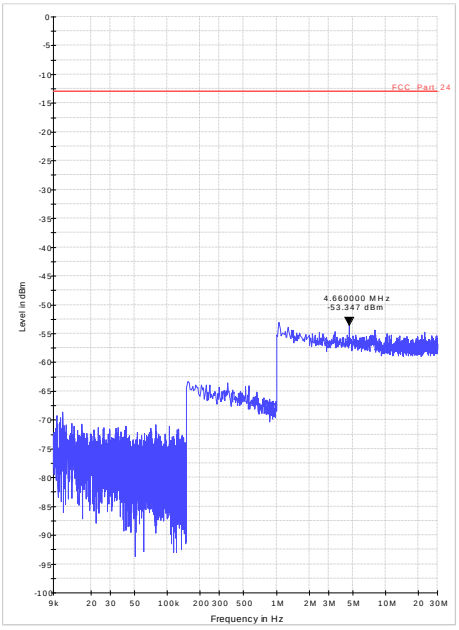


Diagram 36.26: Channel 512 – Sweep1

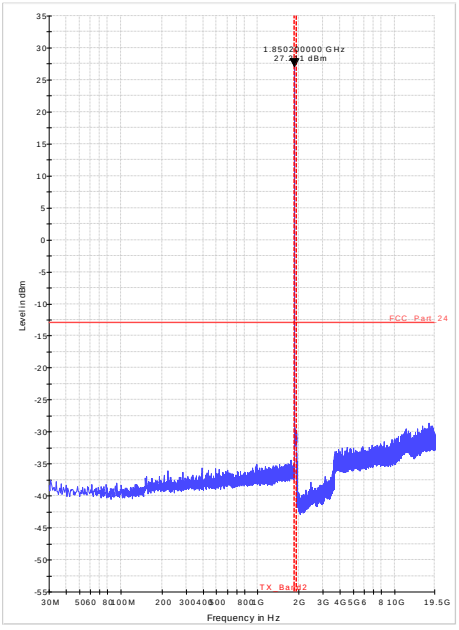


Diagram 36.27: Channel 512 – Sweep2

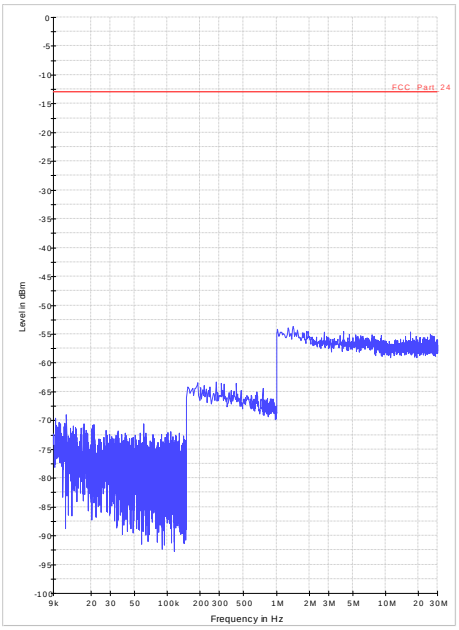


Diagram 36.28: Channel 661 – Sweep1

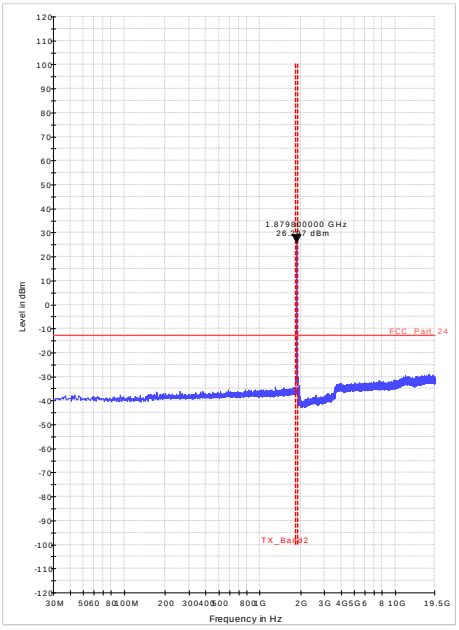


Diagram 36.29: Channel 661 – Sweep2

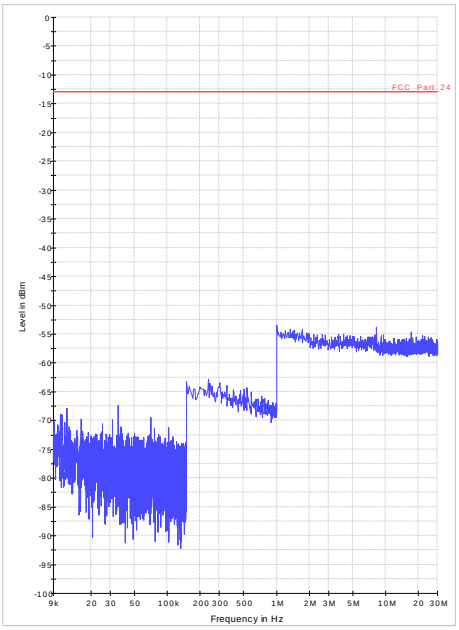


Diagram 36.30: Channel 810 – Sweep1

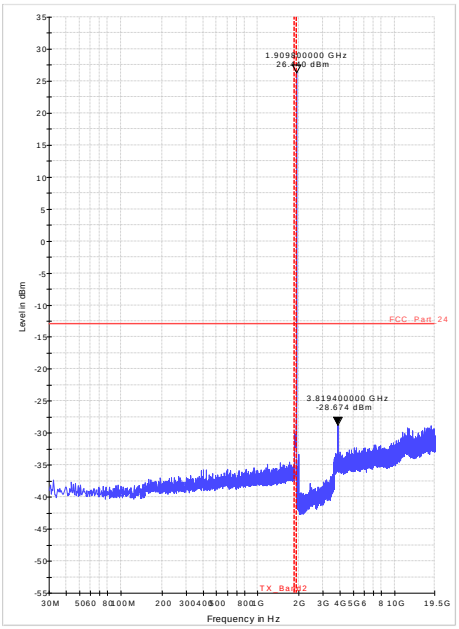


Diagram 36.31: Channel 810 – Sweep 2

1.14. Band-edge conducted emissions on 850 MHz (GPRS operating mode)

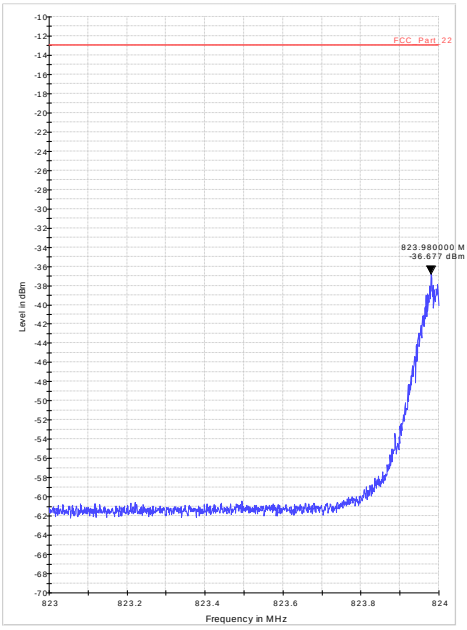


Diagram 37.01: Channel 128

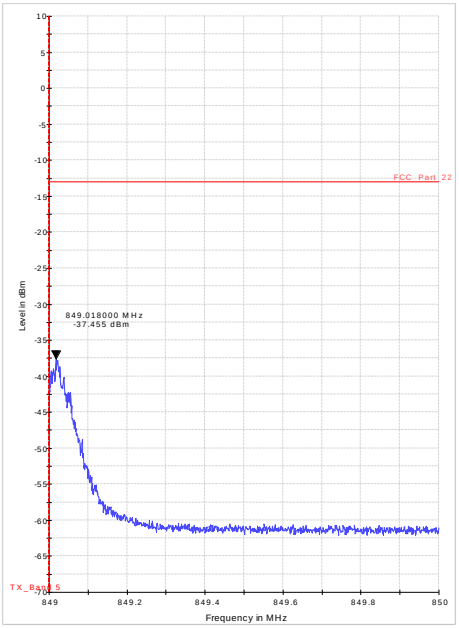


Diagram 37.02: Channel 251

1.15. Band-edge conducted emissions on 850 MHz (8-PSK operating mode)

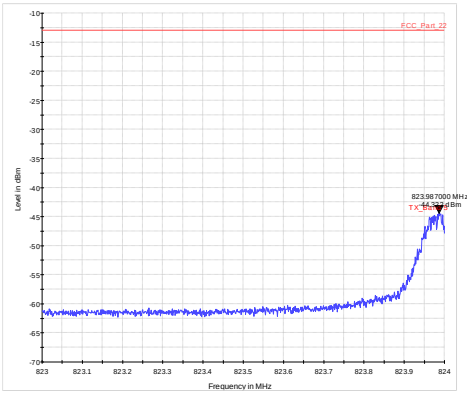


Diagram 37.03: Channel 128

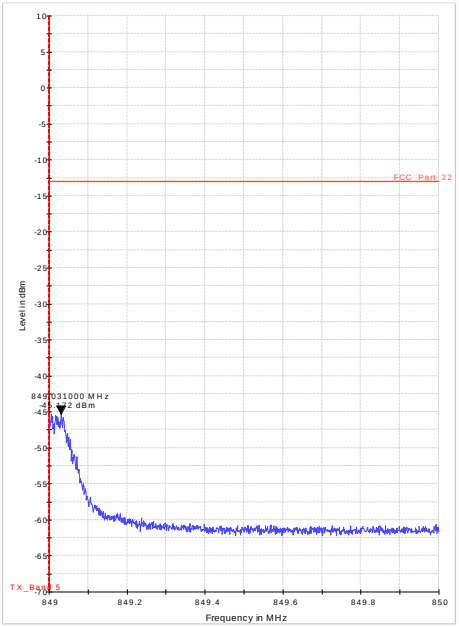


Diagram 37.04: Channel 251

1.16. Band-edge conducted emissions on 1900MHz (GPRS operating mode)

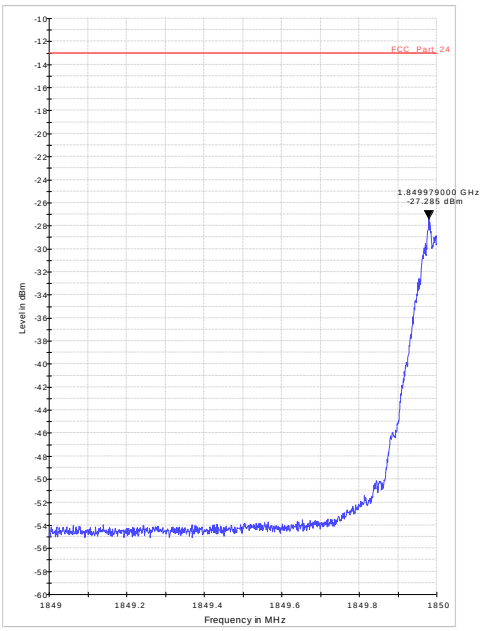


Diagram 37.10: Channel 512

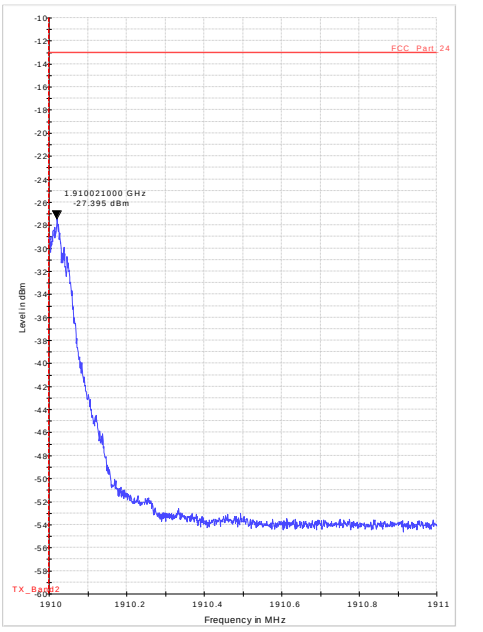


Diagram 37.11: Channel 810

1.17. Band-edge conducted emissions on 1900MHz (8-PSK operating mode)

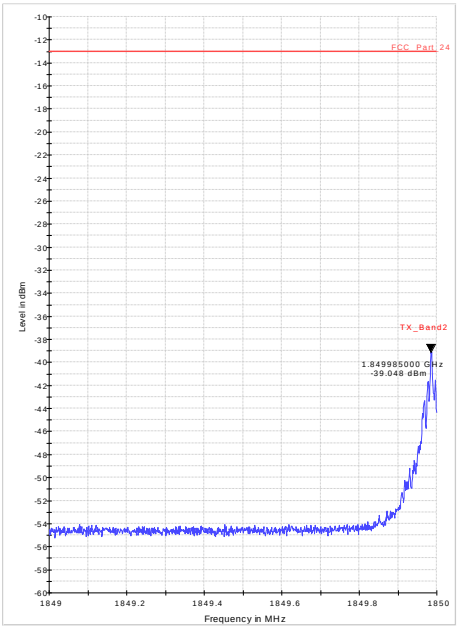


Diagram 37.12: Channel 512

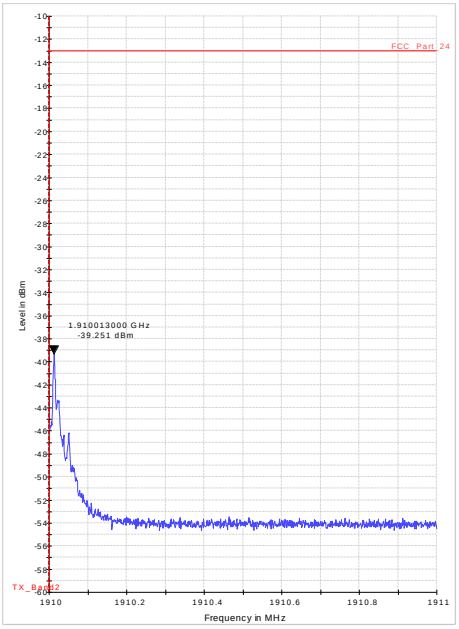


Diagram 37.13: Channel 810