

Annex 4: Measurement diagrams
to
TEST REPORT
No.: 6-0315-13-1-3b

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-Module V1140-101
+ Antenna US34105
(W-CDMA Mode)

FCC-ID: QWY-V1140-101
IC: 6588A-V1140101

Laboratory Accreditation and Listings			
 Deutsche Akkreditierungsstelle D-PL-12047-01-01	 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
 AUTHORIZED RF LABORATORY	 Authorized Test Lab LAB CODE 20011130-00		
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			

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1. Measurement diagrams

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

8.20_Ch9262_RMC99_standing

Common Information

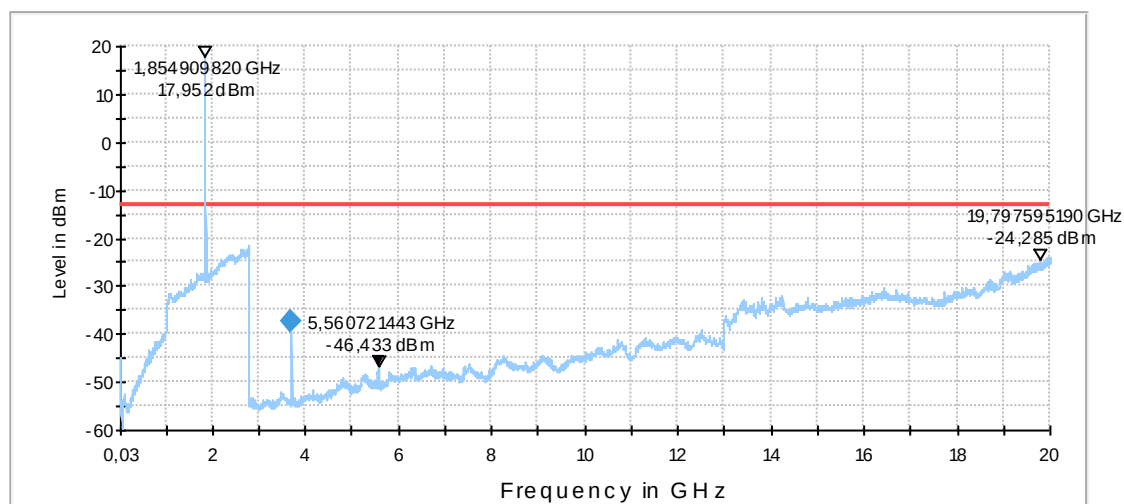
Test Description:	Radiated Spurious Emissions UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24
Operating Mode:	UE allocated channel 9262
Environmental Conditions:	Humidity: 52%rH; Temperature:27°C
Operator:	Lor
Remarks:	EUT - standing position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030415_FCC_Part24_UMTS-FDDII_TX_all_channels_30M-25G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)	Comment
3707.204409	-37.2	10000.0	1000.000	V	9.0	-94.9	24.2	-13.0	

8.20b_Ch9262_RMC99_laying

Common Information

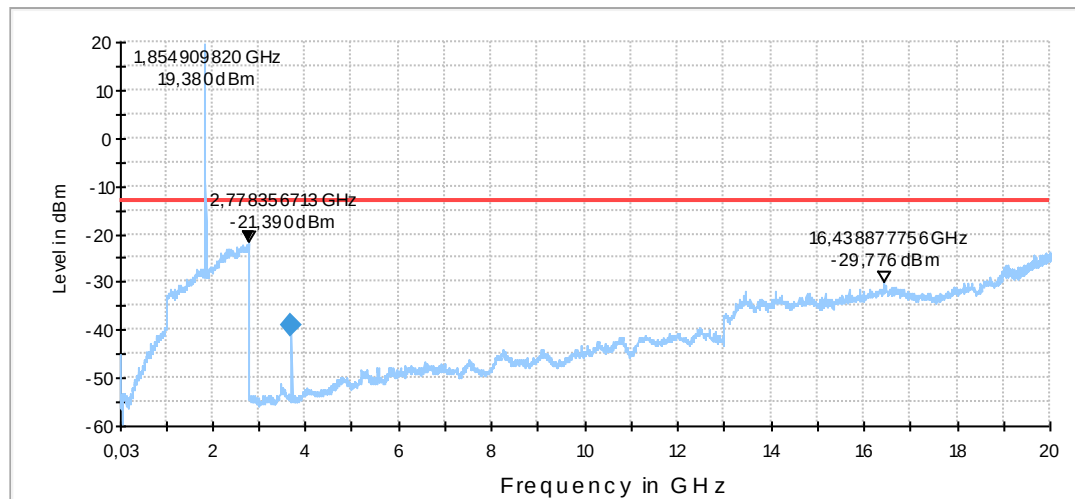
Test Description:	Radiated Spurious Emissions UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24
Operating Mode:	UE allocated channel 9200
Environmental Conditions:	Humidity: 55%rH; Temperature:26°C
Operator:	Lor
Remarks:	EUT - position laying

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030415_FCC_Part24_UMTS-FDDII_TX_all_channels_30M-25G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)	Comment
3707.124248	-39.0	10000.0	1000.000	V	210.0	-94.9	26.0	-13.0	

8.21b_Ch9400_RMC99_laying

Common Information

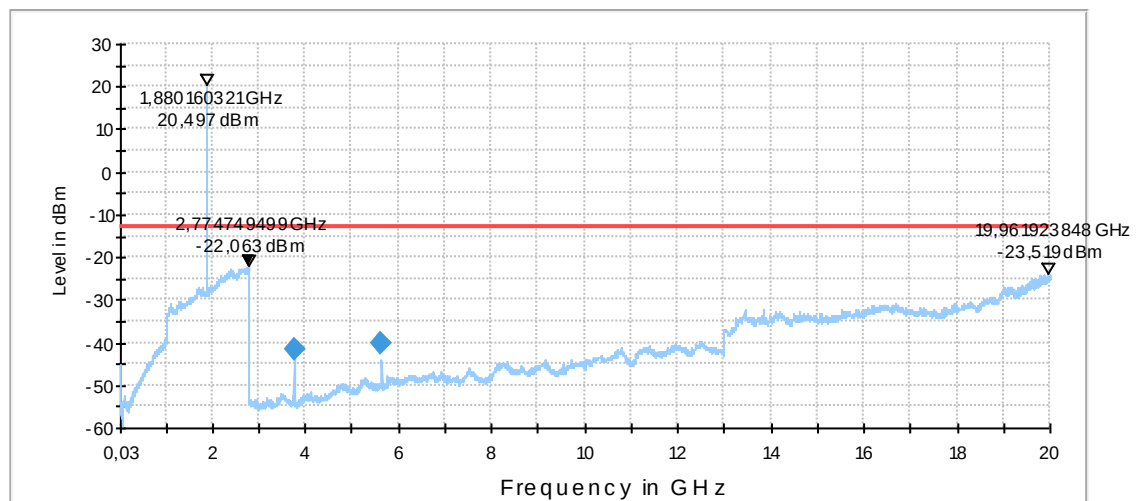
Test Description:	Radiated Spurious Emissions UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24
Operating Mode:	UE allocated channel 9400
Environmental Conditions:	Humidity: 55%rH; Temperature: 26°C
Operator:	Lor
Remarks:	EUT - position laying

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030415_FCC_Part24_UMTS-FDDII_TX_all_channels_30M-25G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)	Comment
3762.374749	-41.5	10000.0	1000.000	V	187.0	-95.1	28.5	-13.0	
5644.058117	-40.3	10000.0	1000.000	V	-4.0	-89.7	27.3	-13.0	

8.22b_Ch9538_RMC99_laying

Common Information

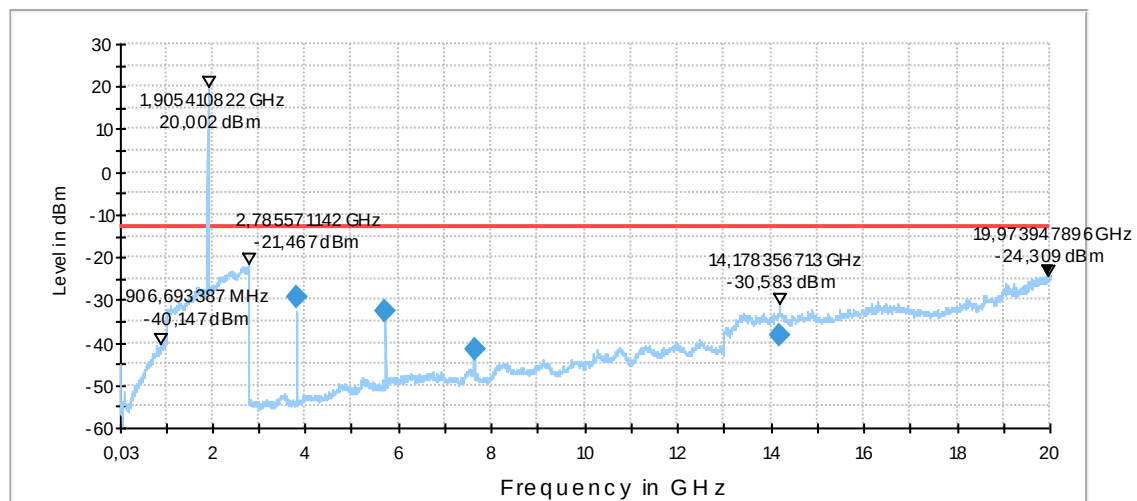
Test Description:	Radiated Spurious Emissions UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24
Operating Mode:	UE allocated channel 9538
Environmental Conditions:	Humidity: 55%rH; Temperature: 26°C
Operator:	Lor
Remarks:	EUT - position laying

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030415_FCC_Part24_UMTS-FDDII_TX_all_channels_30M-25G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)	Comment
3812.635271	-29.3	10000.0	1000.000	V	258.0	-95.1	16.3	-13.0	
5726.362725	-32.8	10000.0	1000.000	V	-6.0	-89.5	19.8	-13.0	
7626.422846	-41.6	10000.0	1000.000	V	36.0	-83.9	28.6	-13.0	

8.23_Ch9400_RMC

Common Information

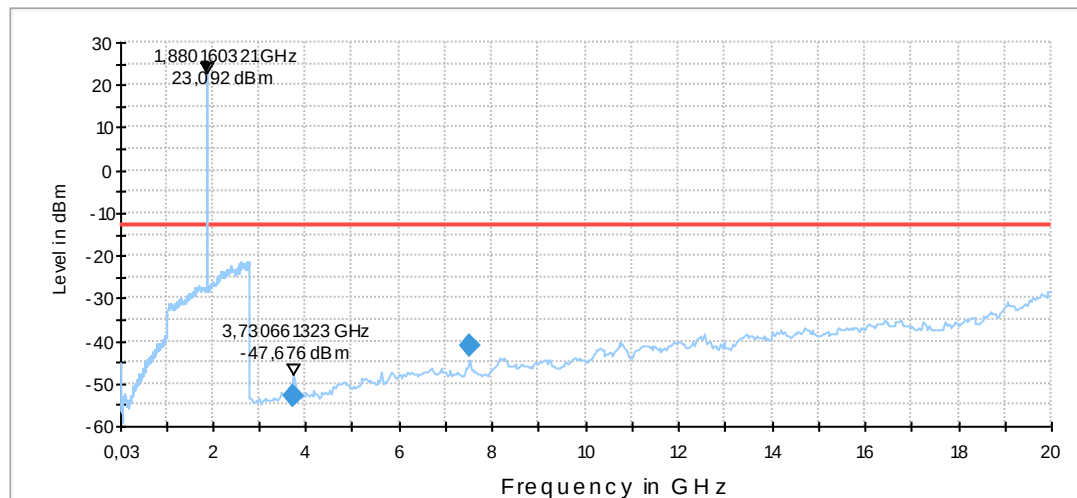
Test Description:	Radiated Spurious Emissions UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24
Operating Mode:	UE allocated channel 9400 (fc = 1880.0MHz), RMC Mode
Environmental Conditions:	Humidity: 47%rH; Temperature: 26,1°C
Operator:	Lor
Remark:	modified Antenna

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comment1:	IMEI no. 004402-58-000004-4
Comment2:	Antenna modified

030416_FCC_Part24_-LTEII_TX_all_channels_30M-20G



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
3736.297596	-53.1	10000.0	1000.000	V	0.0	0.0	-95.0	40.1	-13.0
7524.624249	-41.2	10000.0	1000.000	H	5.0	90.0	-83.4	28.2	-13.0

1.2. Spurious emissions radiated (FDD Band V transmitting mode)

8.50_Ch4132_RMC99_standing

Common Information

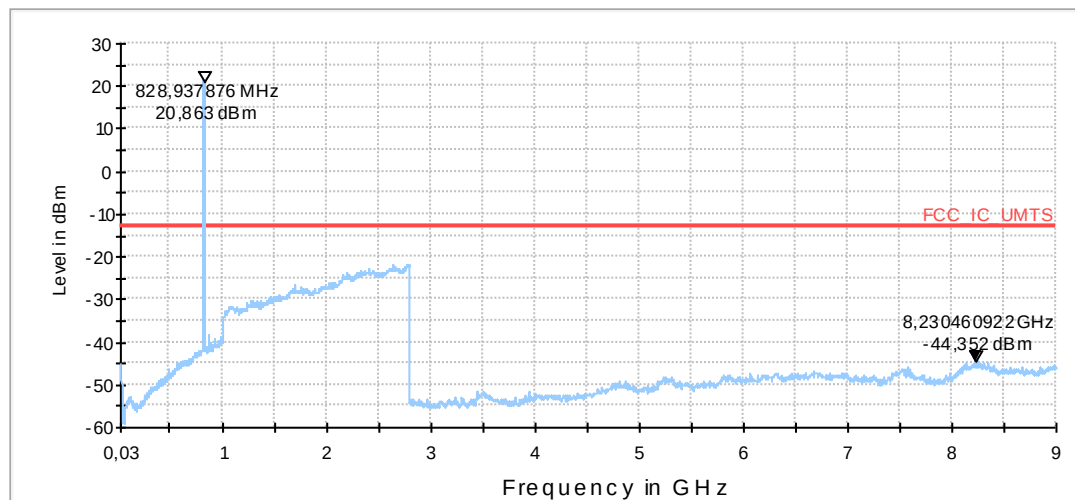
Test Description:	Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4132, RMC99
Environmental Conditions:	Humidity: 25,6%rH; Temperature: 50°C
Operator:	Lor

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-PRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030411_FCC_Part22_UMTS-FDDV_TX_all_channels_30M-12G_no_KP



8.50b_Ch4132_RMC99_laying

Common Information

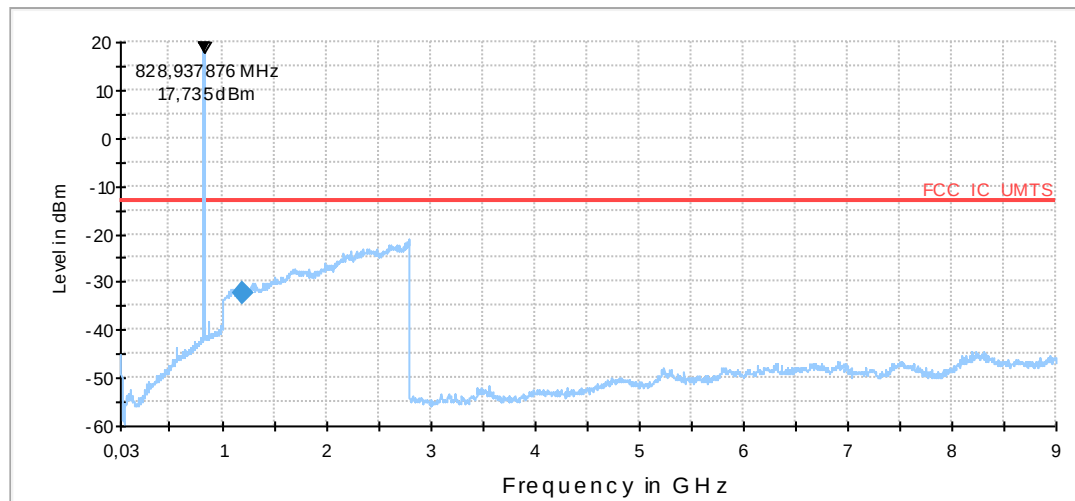
Test Description:	Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4183, RMC mode
Environmental Conditions:	Humidity: 25,6%rH; Temperature: 50°C
Operator:	Lor/HLA
Remarks:	EUT laying position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-PRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030411_FCC_Part22_UMTS-FDDV_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)	Comment
1195.020040	-32.2	10000.0	1000.000	V	5.0	-67.6	19.2	-13.0	

8.51_Ch4183_RMC99_standing

Common Information

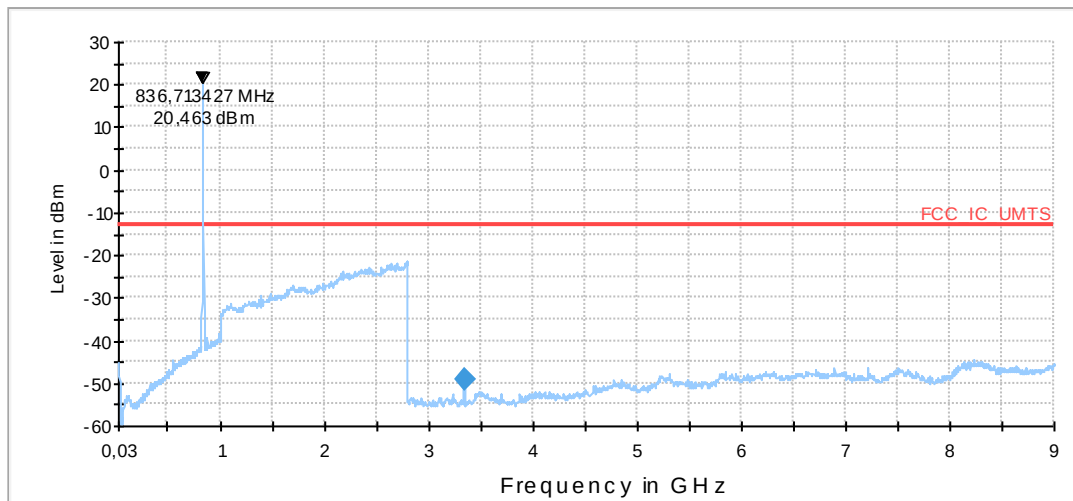
Test Description:	Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4183, RMC99
Environmental Conditions:	Humidity: 25,6%rH; Temperature: 50°C
Operator:	Lor
Remark:	EUT standing position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-PRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030411_FCC_Part22_UMTS-FDDV_TX_all_channels_30M-12G_no_KP



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)	Comment
3350.891783	-49.3	10000.0	1000.000	V	187.0	-95.6	36.3	-13.0	

8.51b_Ch4183_RMC99_laying

Common Information

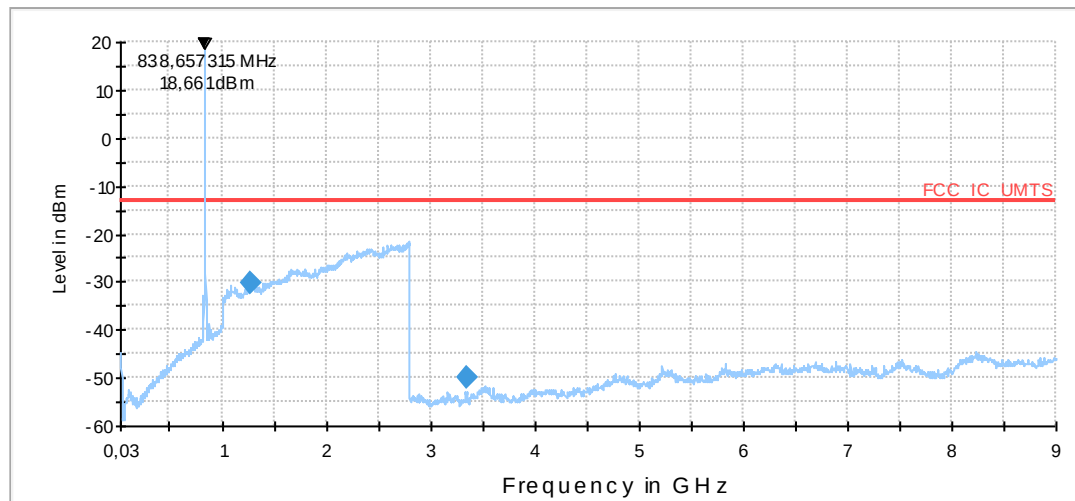
Test Description:	Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4183, RMC mode
Environmental Conditions:	Humidity: 25,6%rH; Temperature: 50°C
Operator:	Lor/HLA
Remarks:	EUT laying position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-PRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030411_FCC_Part22_UMTS-FDDV_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)	Comment
1286.923848	-30.2	10000.0	1000.000	V	-31.0	-66.3	17.2	-13.0	
3351.292585	-50.1	10000.0	1000.000	V	217.0	-95.6	37.1	-13.0	

8.52_Ch4233_RMC99_standing

Common Information

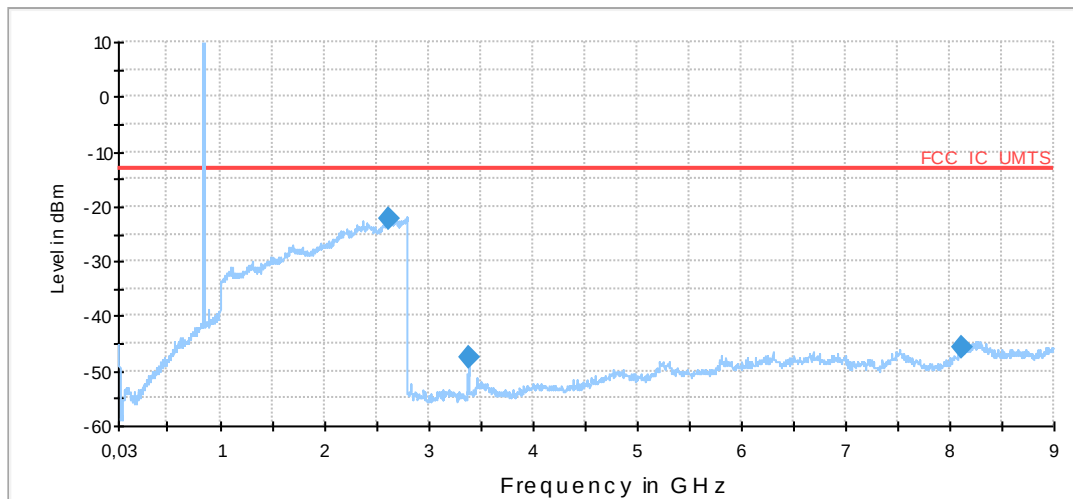
Test Description:	Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4233, RMC99
Environmental Conditions:	Humidity: 25,6%rH; Temperature: 50°C
Operator:	Lor
Remark:	EUT standing position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-PRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030411_FCC_Part22_UMTS-FDDV_TX_all_channels_30M-12G_no_KP



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
2613.757515	-22.4	10000.0	1000.000	155.0	H	161.0	-58.8	9.4	-13.0
3390.350702	-47.7	10000.0	1000.000	155.0	V	183.0	-95.4	34.7	-13.0
8118.466934	-45.6	10000.0	1000.000	155.0	V	0.0	-82.0	32.6	-13.0

(continuation of the "Final Result 1" table from column 10 ...)

Frequency (MHz)	Comment
2613.757515	
3390.350702	
8118.466934	

8.52b_Ch4233_RMC99_laying

Common Information

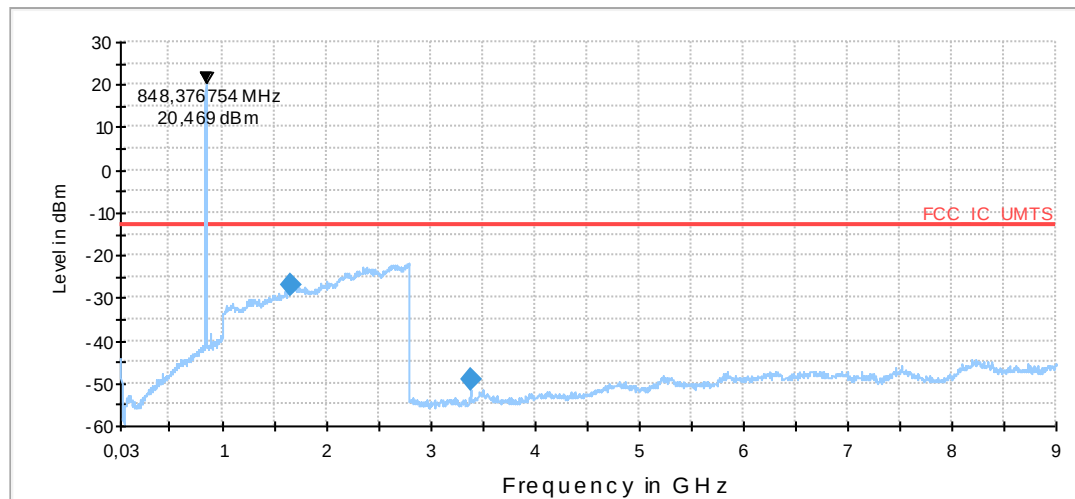
Test Description:	Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4183, RMC-Mode
Environmental Conditions:	Humidity: 50%rH; Temperature: 26,2°C
Operator:	Lor
Remark:	EUT laying position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-PRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030411_FCC_Part22_UMTS-FDDV_TX_all_channels_30M-12G_no_kipp



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
1670.110221	-27.2	10000.0	1000.000	155.0	H	35.0	-63.1	14.2	-13.0
3391.012024	-49.0	10000.0	1000.000	155.0	V	221.0	-95.4	36.0	-13.0

(continuation of the "Final Result 1" table from column 10 ...)

Frequency (MHz)	Comment
1670.110221	
3391.012024	

8.53_Ch4183_RMC99

Common Information

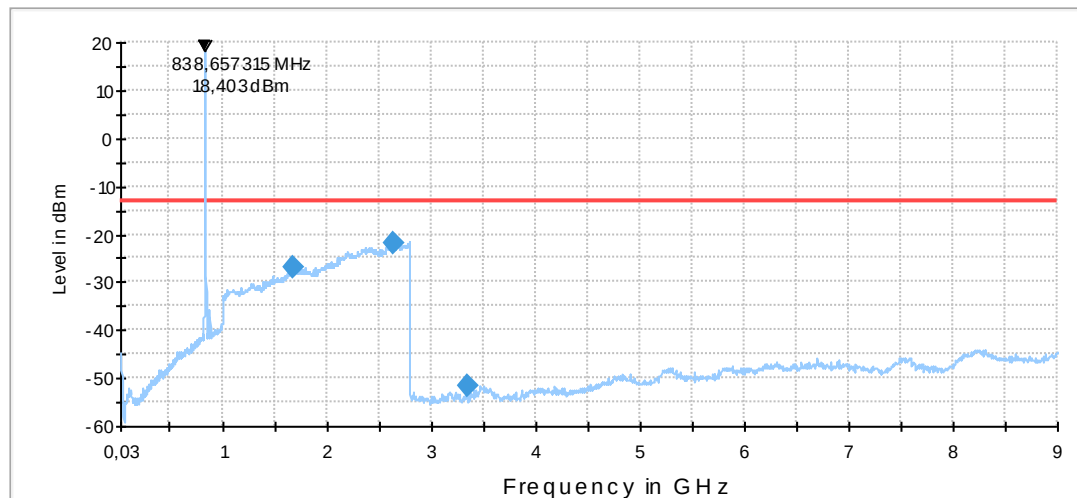
Test Description:	Radiated Spurious Emissions UMTS Band V
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4183 (fc = 836.6 MHz), RMC99 Mode
Environmental Conditions:	Humidity: 47%rH; Temperature: 26,1°C
Operator:	Lor
Remark:	modified antenna

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comment1:	IMEI no. 004402-58-000004-4
Comment2:	Antenna modified

030411_FCC_Part22_UMTS-FDD V_TX_all_channels_30M-12G



Final Result 1

Frequency (MHz)	MaxPeak (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Elevation (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
1679.188377	-26.9	10000.0	1000.000	V	335.0	0.0	-63.0	13.9	-13.0
2633.076152	-21.9	10000.0	1000.000	H	204.0	90.0	-58.7	8.9	-13.0
3350.751503	-51.8	10000.0	1000.000	V	136.0	0.0	-95.6	38.8	-13.0

1.3. Radiated emissions on FDD Band II band-edge

9.20_BE_R_Ch9262_RMC99_standing

Common Information

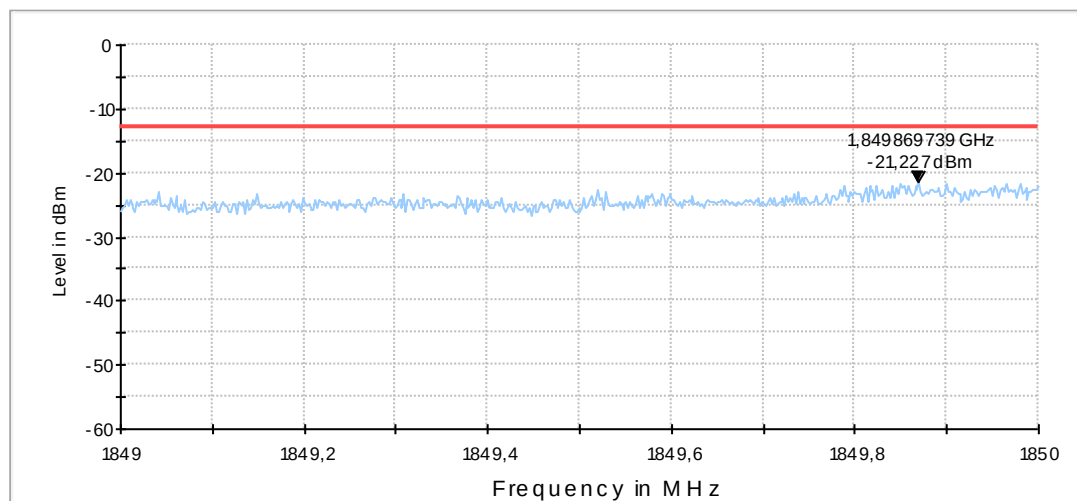
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Operating Mode:	UE allocated channel 4132
Environmental Conditions:	Humidity: 52%rH; Temperature:27°C
Operator:	Lor
Remarks:	EUT - standing position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030417_FCC_Part24_UMTS-FDDII_TX_low_channel_band_edge_no_kipp



9.20b_BE_R_Ch9262_RMC99_laying

Common Information

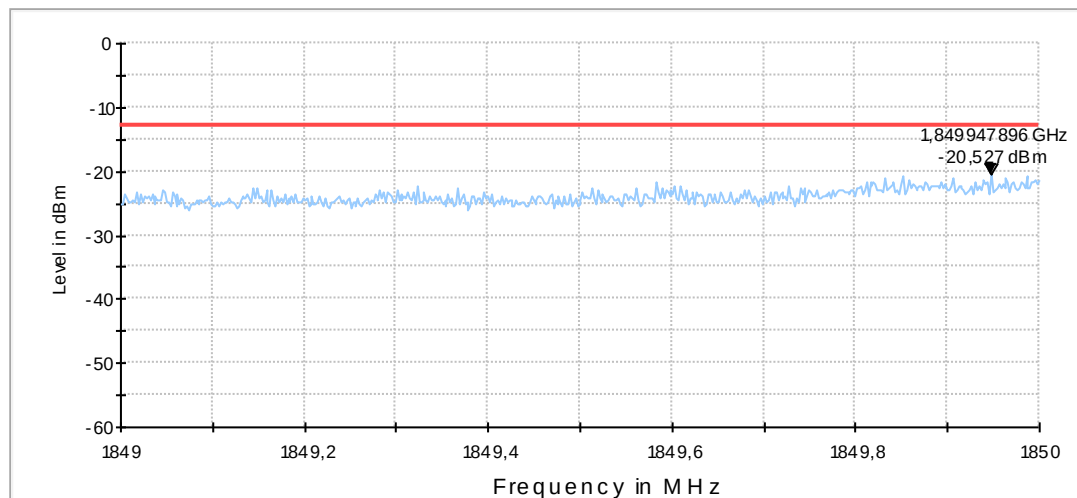
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24.238
Operating Mode:	UE allocated channel 9262
Environmental Conditions:	Humidity: 55%rH; Temperature:26°C
Operator:	Lor
Remarks:	EUT - laying position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030417_FCC_Part24_UMTS-FDDII_TX_low_channel_band_edge_no_kipp



9.21_BE_R_Ch9538_RMC99_standing

Common Information

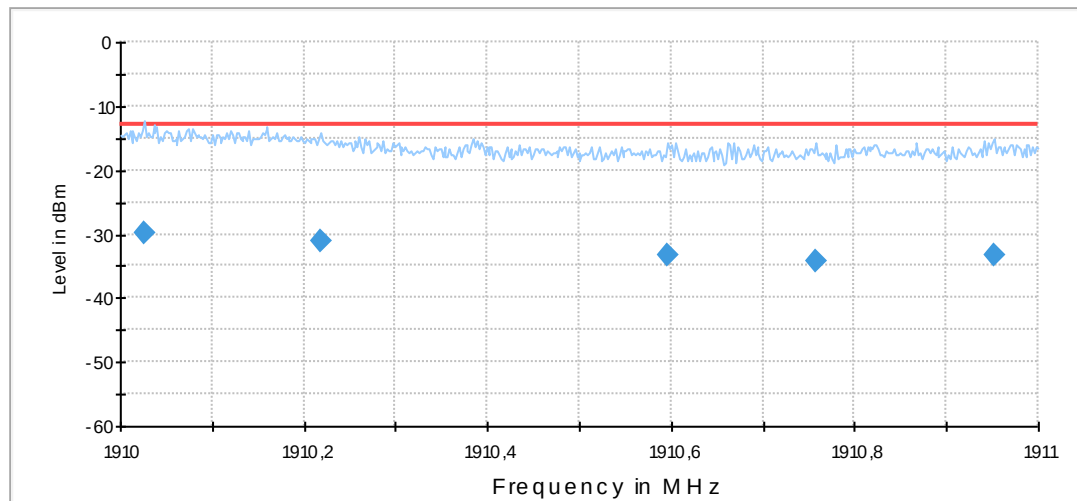
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDII
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24
Operating Mode:	UE allocated channel 9538
Environmental Conditions:	Humidity: 52%rH; Temperature:27°C
Operator:	Lor
Remarks:	EUT standing position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030418_FCC_Part24_UMTS-FDDII_TX_high_channel_band_edge_no_kipI



Final Result 1

Frequency (MHz)	Average (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
1910.026052	-29.8	10000.0	5.000	H	54.0	-62.8	16.8	-13.0
1910.218437	-31.2	10000.0	5.000	H	52.0	-62.8	18.2	-13.0
1910.595190	-33.3	10000.0	5.000	H	52.0	-62.8	20.3	-13.0
1910.757515	-34.3	10000.0	5.000	H	54.0	-62.8	21.3	-13.0
1910.951904	-33.3	10000.0	5.000	H	56.0	-62.8	20.3	-13.0

9.21b_BE_R_Ch9538_RMC99_laying

Common Information

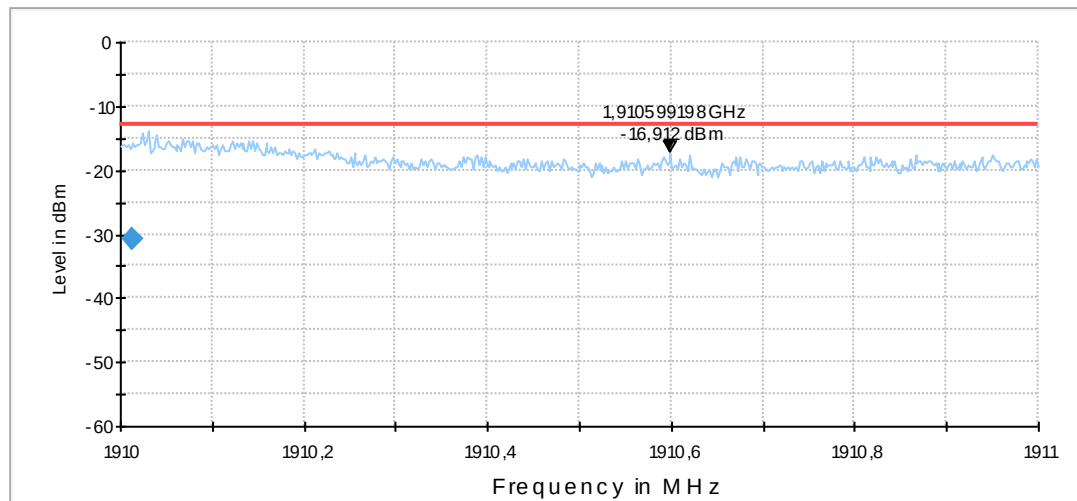
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 24
Operating Mode:	UE allocated channel 9538
Environmental Conditions:	Humidity: 52%rH; Temperature:27°C
Operator:	Lor
Remarks:	EUT laying position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030418_FCC_Part24_UMTS-FDD II_TX_high_channel_band_edge_no_kip



Final Result 1

Frequency (MHz)	Average (dBm)	Meas. Time (ms)	Bandwidth (kHz)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBm)
1910.012024	-30.8	10000.0	5.000	V	25.0	-62.8	17.8	-13.0

1.4. Radiated emissions on FDD Band V band-edge

9.50_BE_R_Ch4132_RMC_standing

Common Information

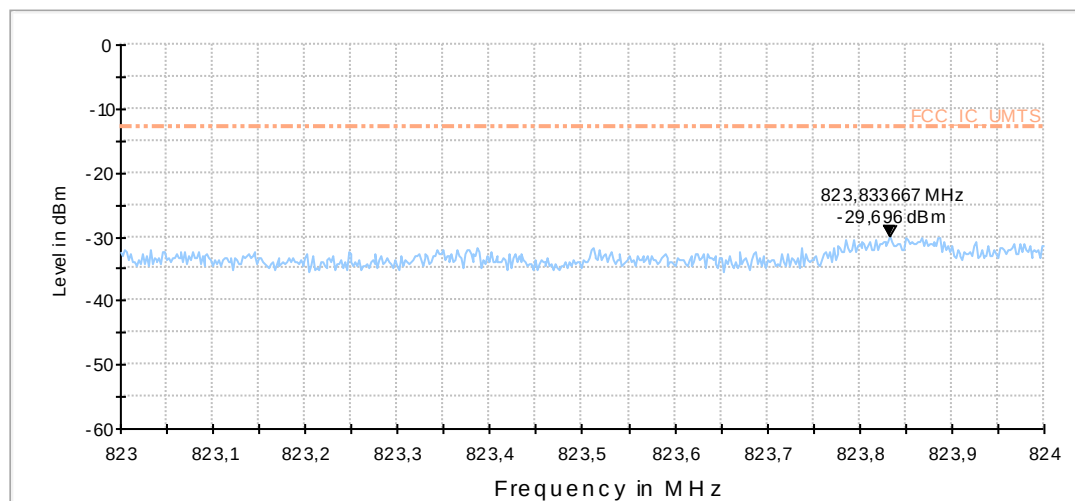
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4132
Environmental Conditions:	Humidity: 63%rH; Temperature:22,9°C
Operator:	Lor
Remarks:	EUT standing position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030412_FCC_Part22_UMTS-FDDV_TX_low_channel_band_edge_no_kp



9.50b_BE_R_Ch4132_RMC_laying

Common Information

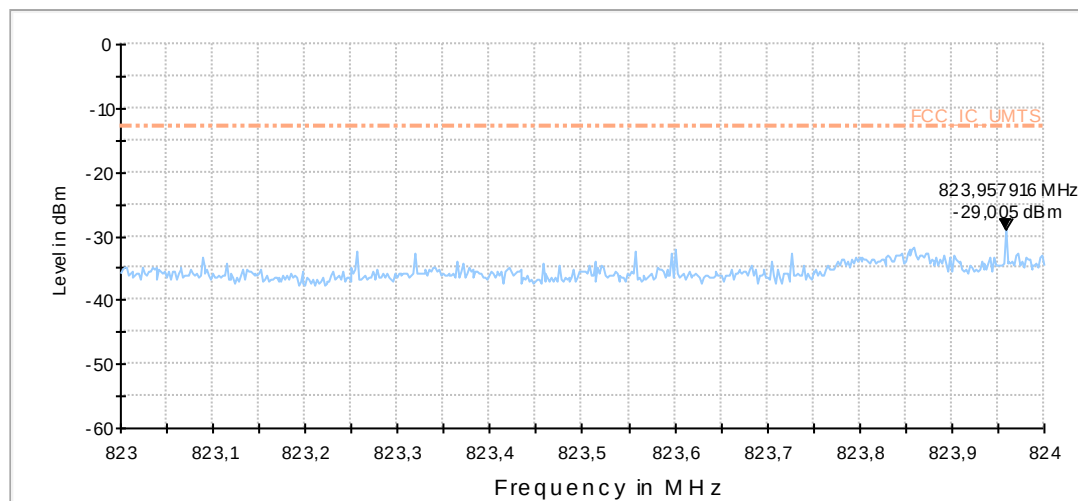
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4132
Environmental Conditions:	Humidity: 63%rH; Temperature:22,9°C
Operator:	Lor
Remarks:	EUT - laying/standing position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030412_FCC_Part22_UMTS-FDDV_TX_low_channel_band_edge_no_kp



9.51_BE_R_Ch4233_RMC_standing

Common Information

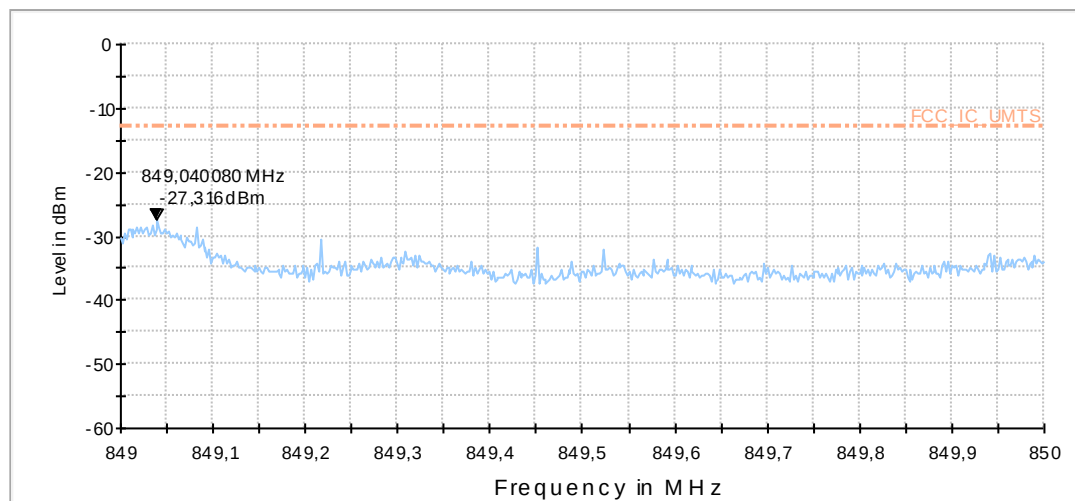
Test Description:	Band-Edge low - Radiated Spurious Emissions UMTS FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4233
Environmental Conditions:	Humidity: 63%rH; Temperature:22,9°C
Operator:	Lor
Remarks:	EUT - standing position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030413_FCC_Part22_UMTS-FDDV_TX_high_channel_band_edge_no_kp



9.51b_BE_R_Ch4233_RMC_laying

Common Information

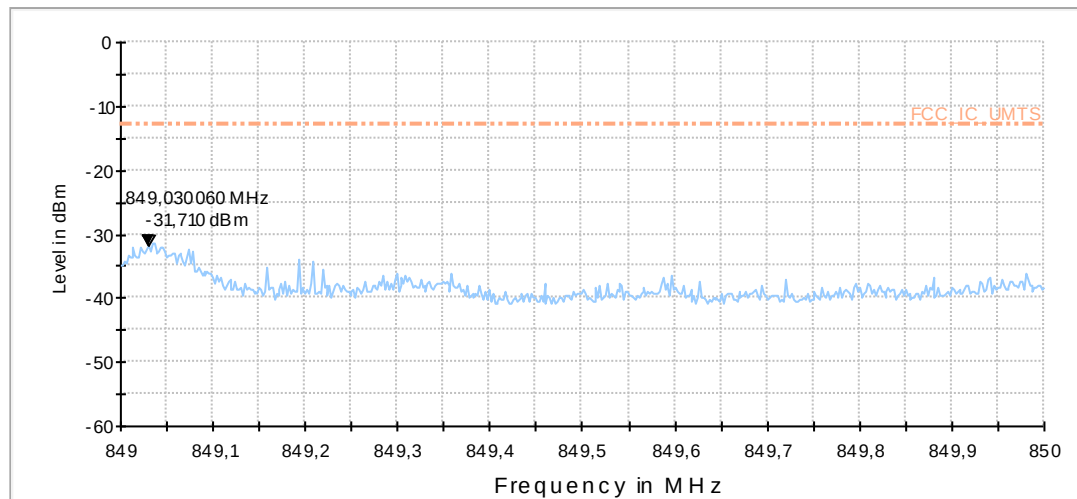
Test Description:	Band-Edge High (Radiated Spurious Emissions) W-CDMA FDDV
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Room (FAR)
Test Standard:	FCC Part 22.917(a)
Operating Mode:	UE allocated channel 4233
Environmental Conditions:	Humidity: 63%rH; Temperature:22,9°C
Operator:	Lor
Remarks:	EUT laying position

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-PRS/W-CDMA/LTE

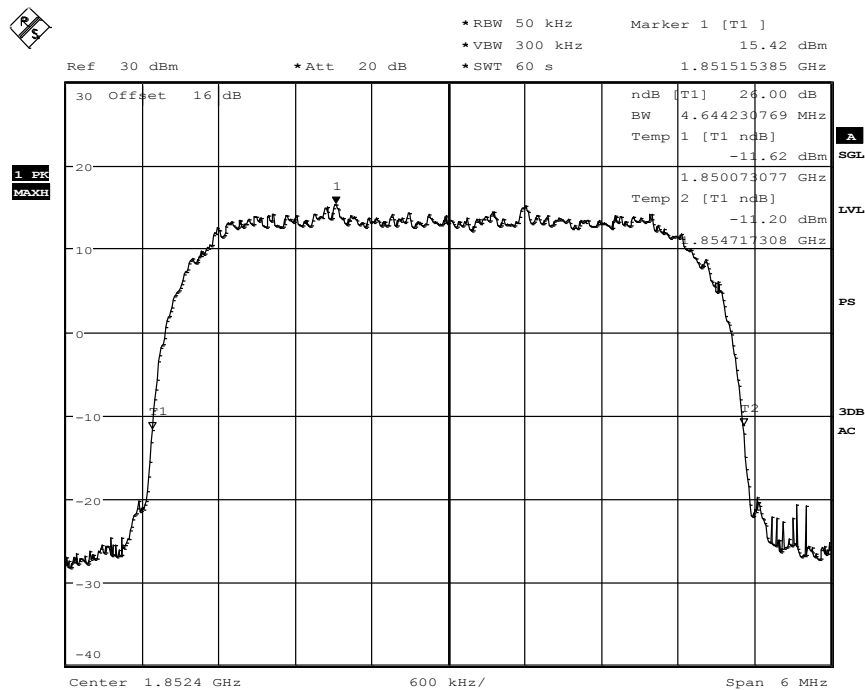
EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

030413_FCC_Part22_UMTS-FDDV_TX_high_channel_band_edge_no_kp



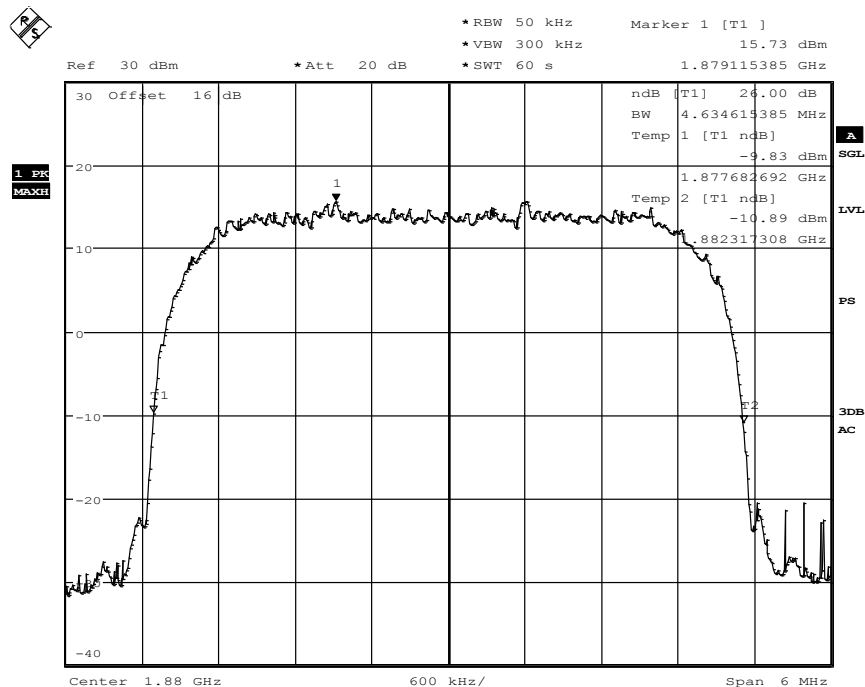
1.5. 26dBc Emission bandwidth

1.5.1. FDD II TX Mode



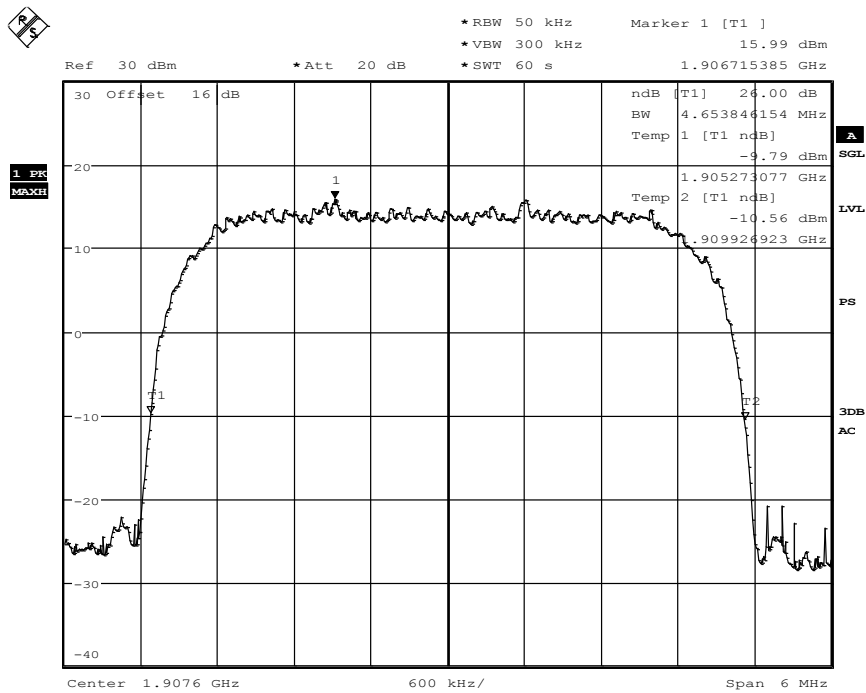
Date: 14.JUN.2013 11:15:40

Channel 9262



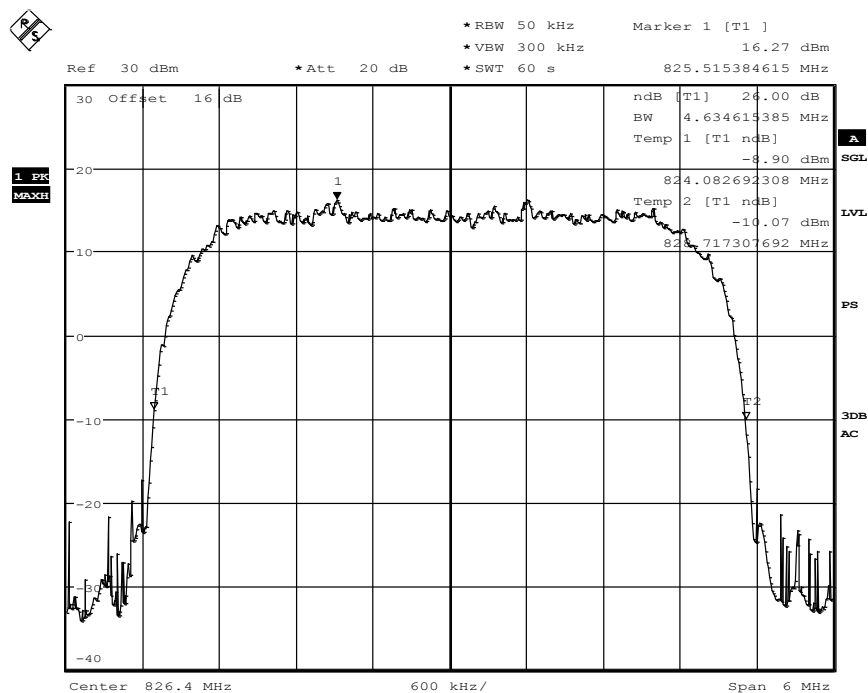
Date: 14.JUN.2013 11:17:54

Channel 9400

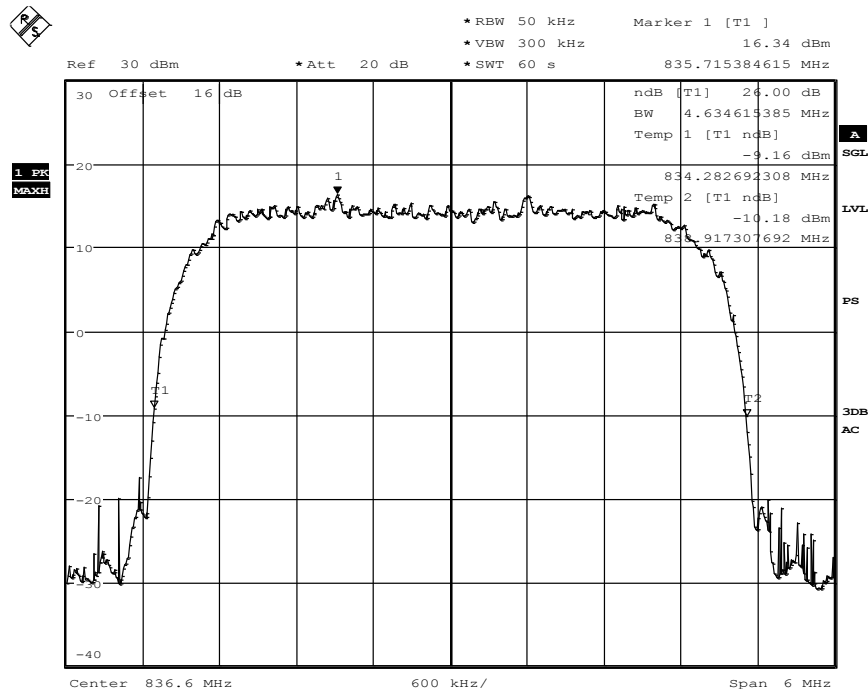


Date: 14.JUN.2013 11:20:14

Channel 9538

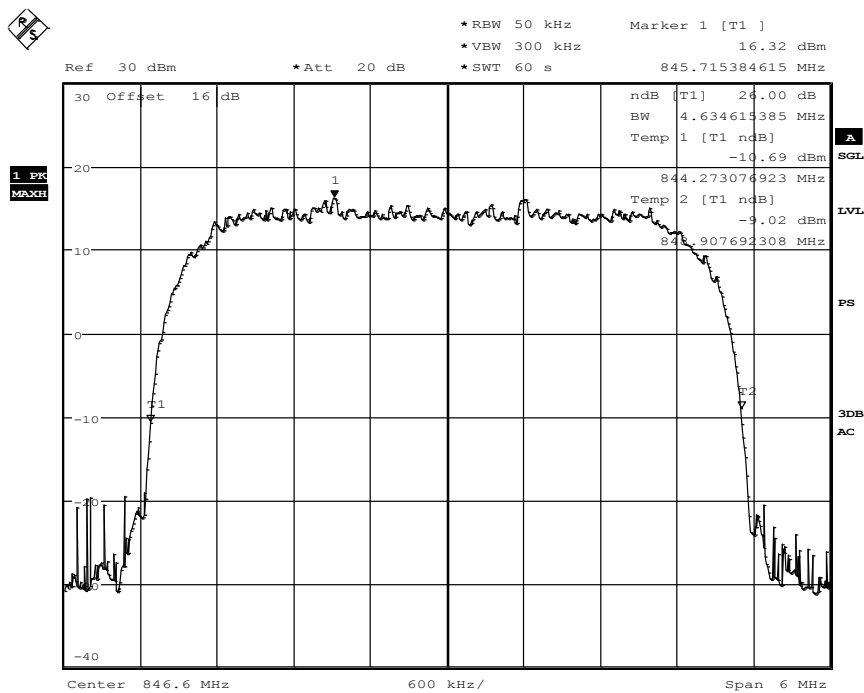
1.5.2. FDD V TX Mode

Date: 14.JUN.2013 11:04:28

Channel 4132

Date: 14.JUN.2013 11:09:22

Channel 4183

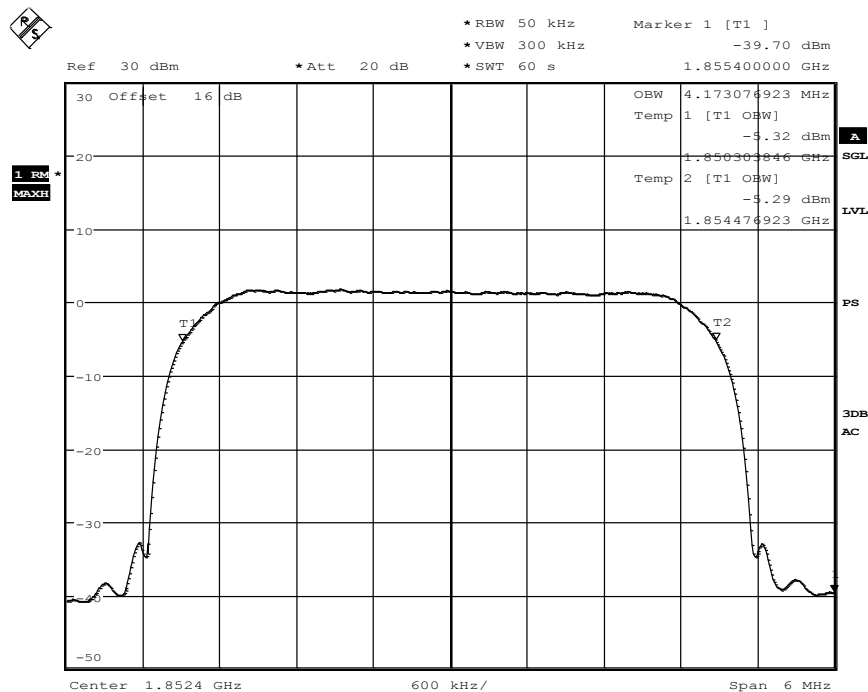


Date: 14.JUN.2013 11:12:27

Channel 4233

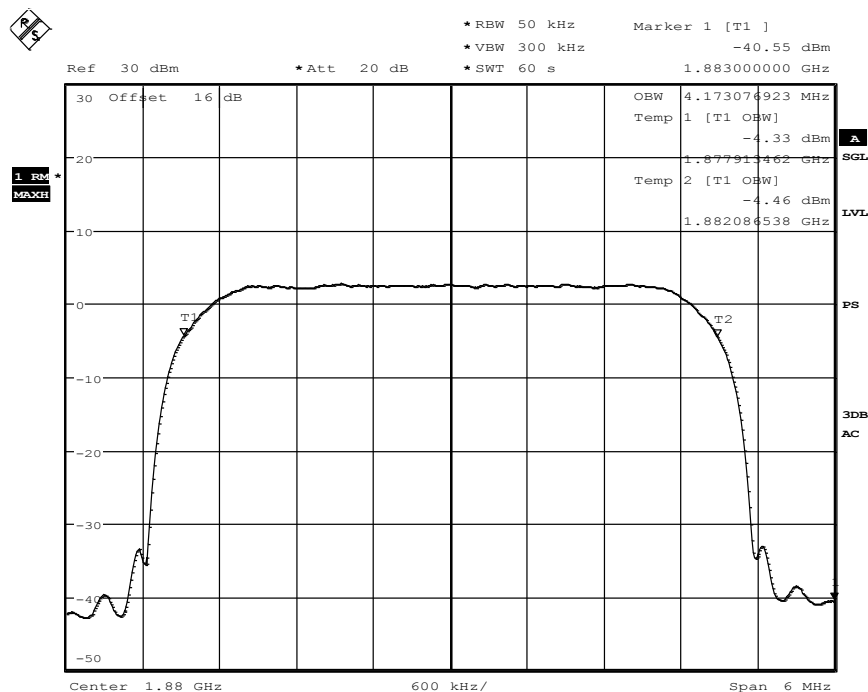
1.6. 99% Occupied bandwidth

1.6.1. FDD II TX Mode RMC99 Mode



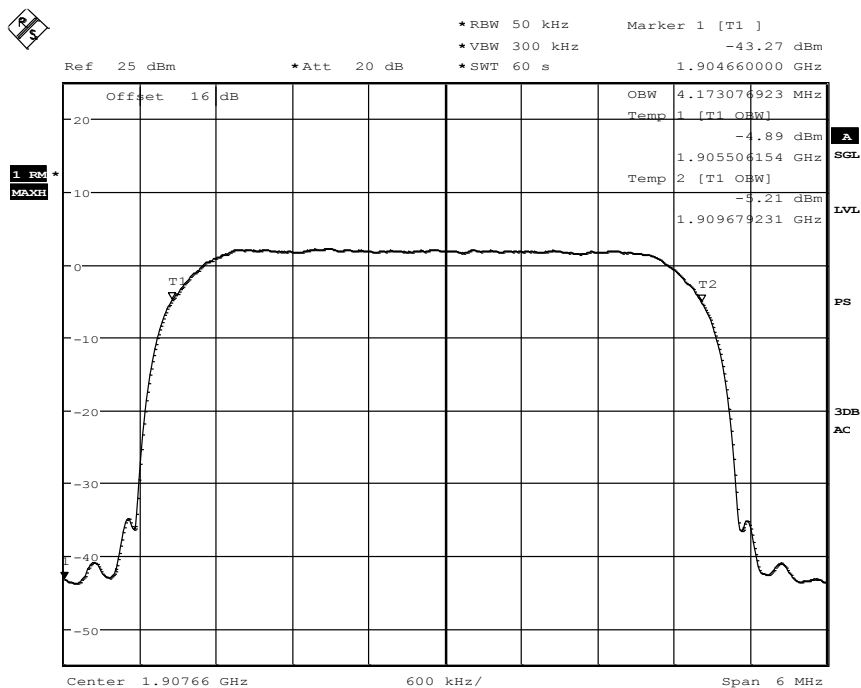
Date: 13.JUN.2013 21:52:55

Channel 9262



Date: 13.JUN.2013 21:50:22

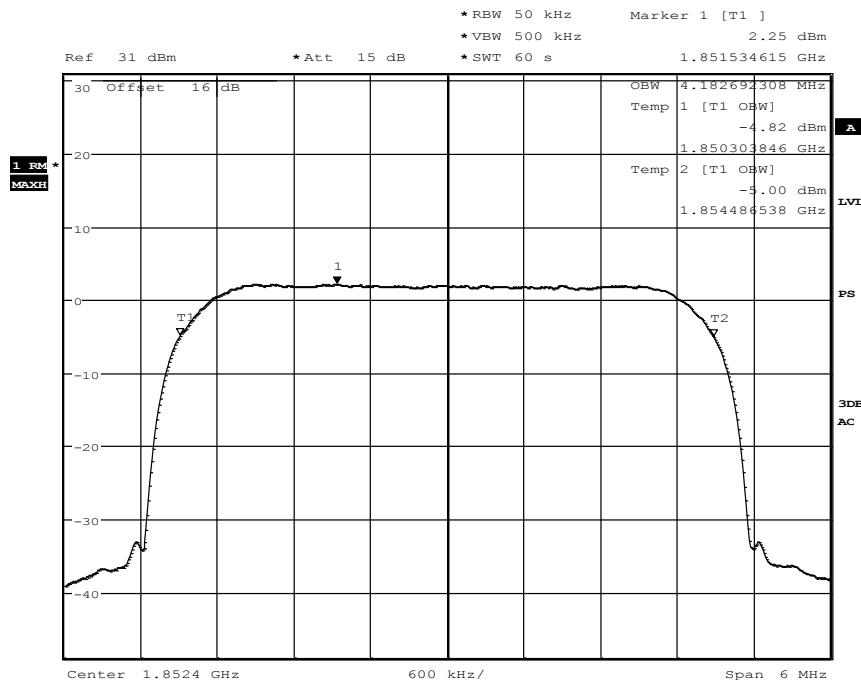
Channel 9400



Date: 13.JUN.2013 21:46:46

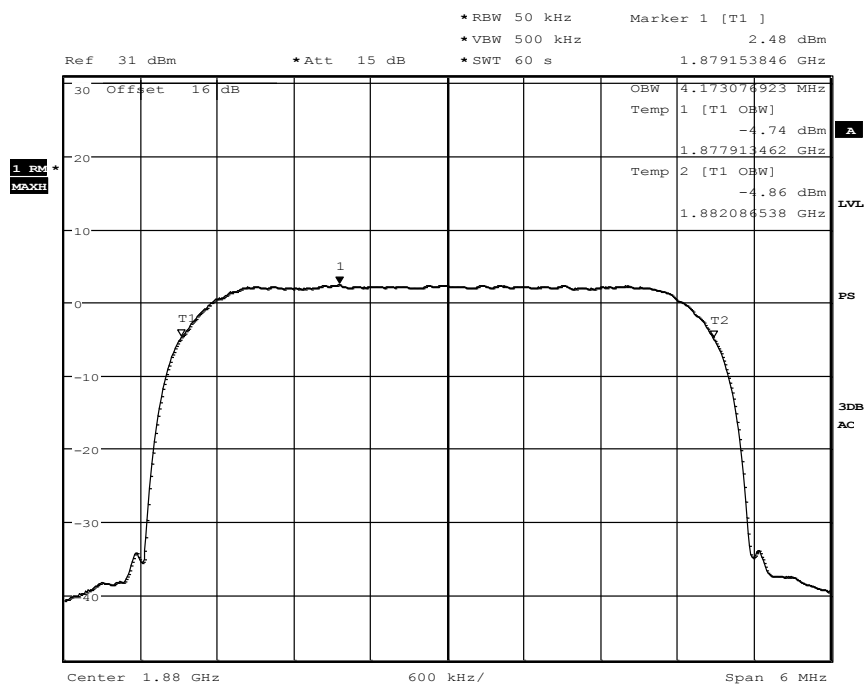
Channel 9538

1.6.2. FDD II TX Mode HSUPA Mode



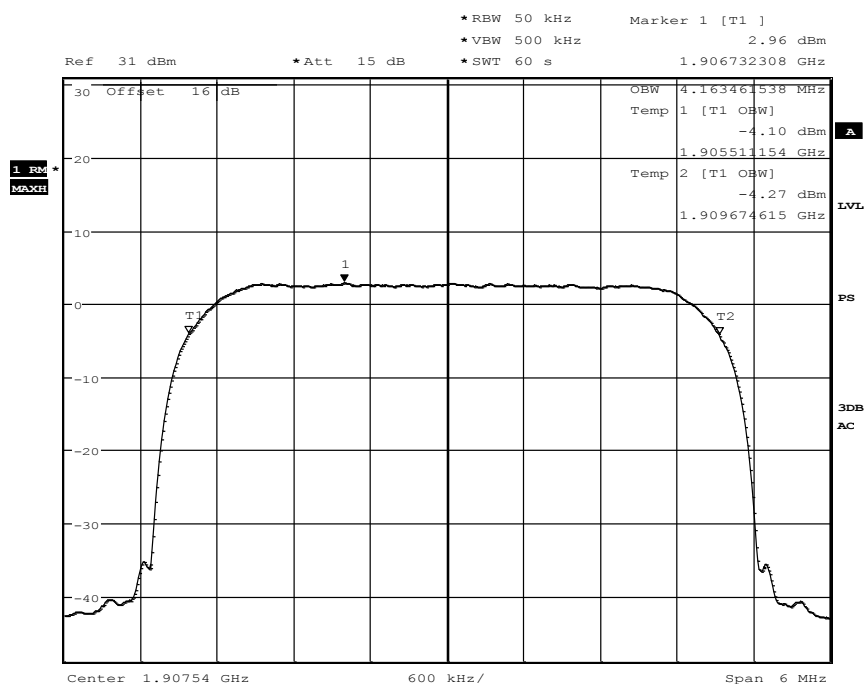
Date: 19.JUN.2013 15:18:17

Channel 9262



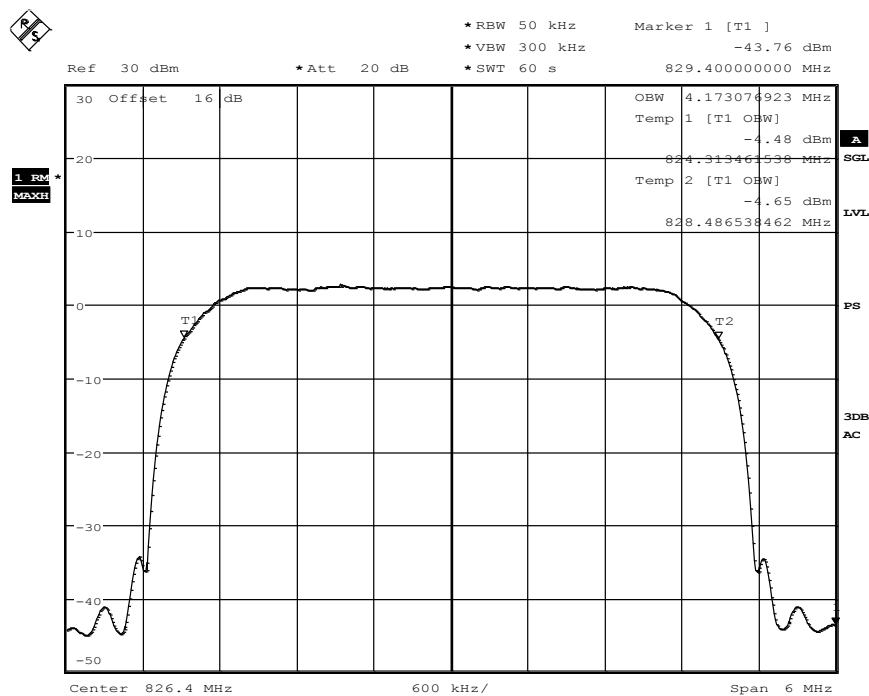
Date: 19.JUN.2013 15:23:14

Channel 9400

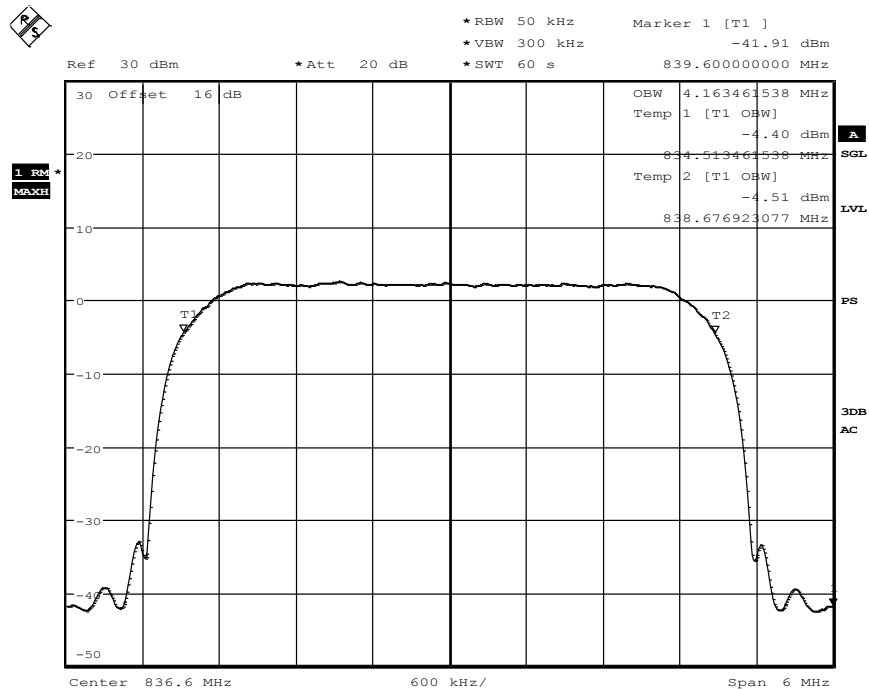


Date: 19.JUN.2013 15:04:34

Channel 9538

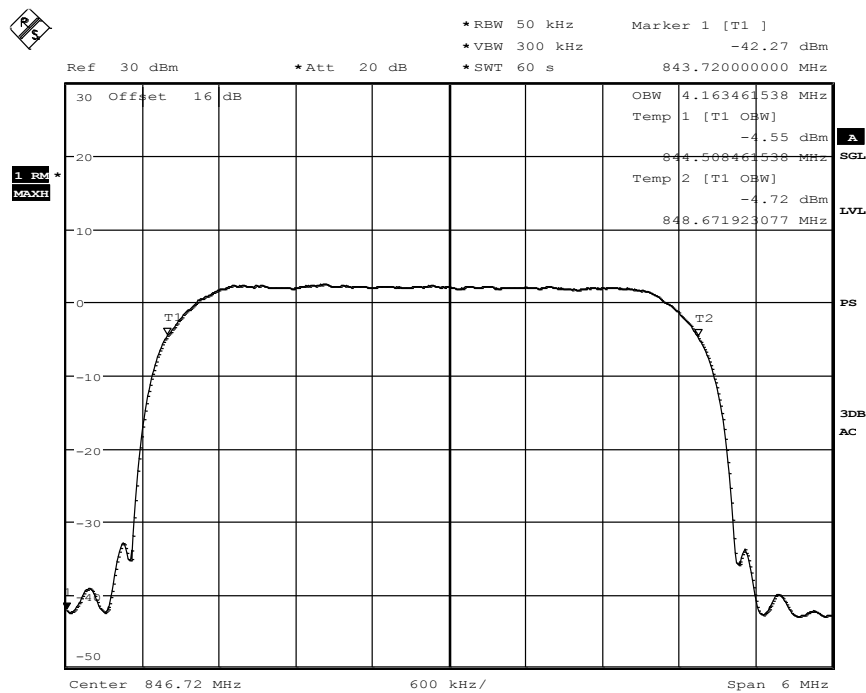
1.6.3. FDD V TX RMC99 Mode

Date: 13.JUN.2013 22:06:57

Channel 4132

Date: 13.JUN.2013 22:04:50

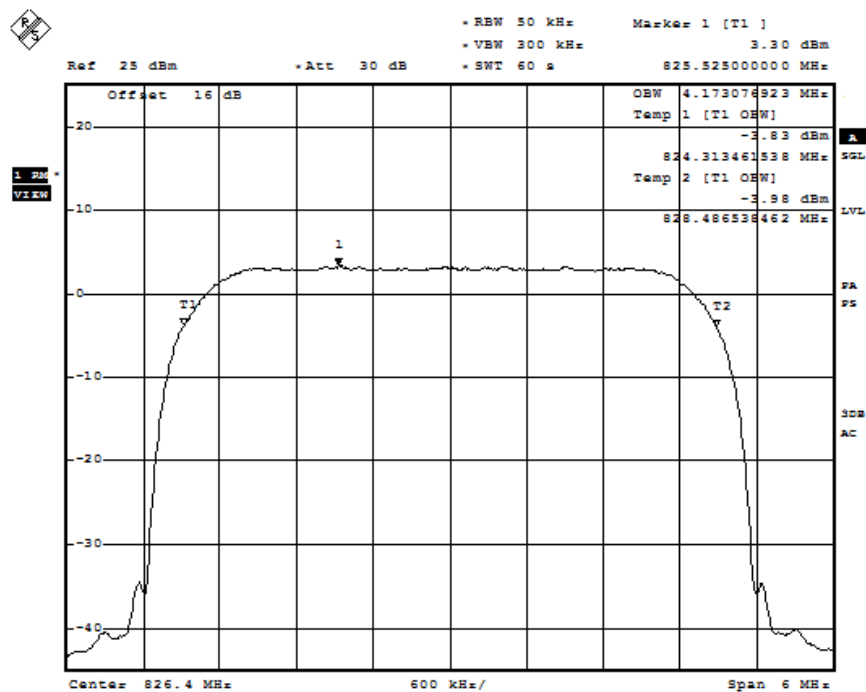
Channel 4183



Date: 13.JUN.2013 22:02:55

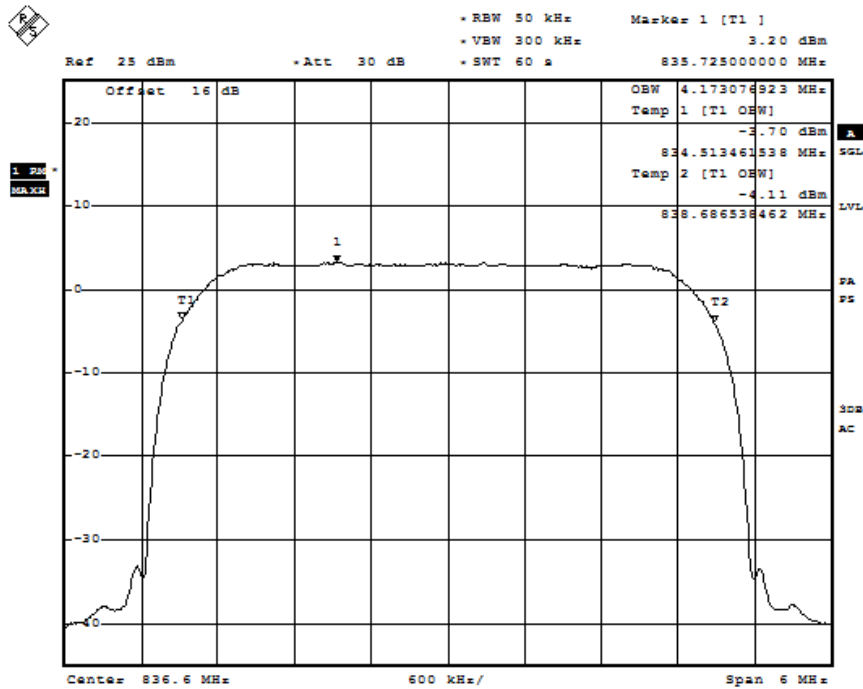
Channel 4233

1.6.4. FDD V TX Mode HSUPA Mode



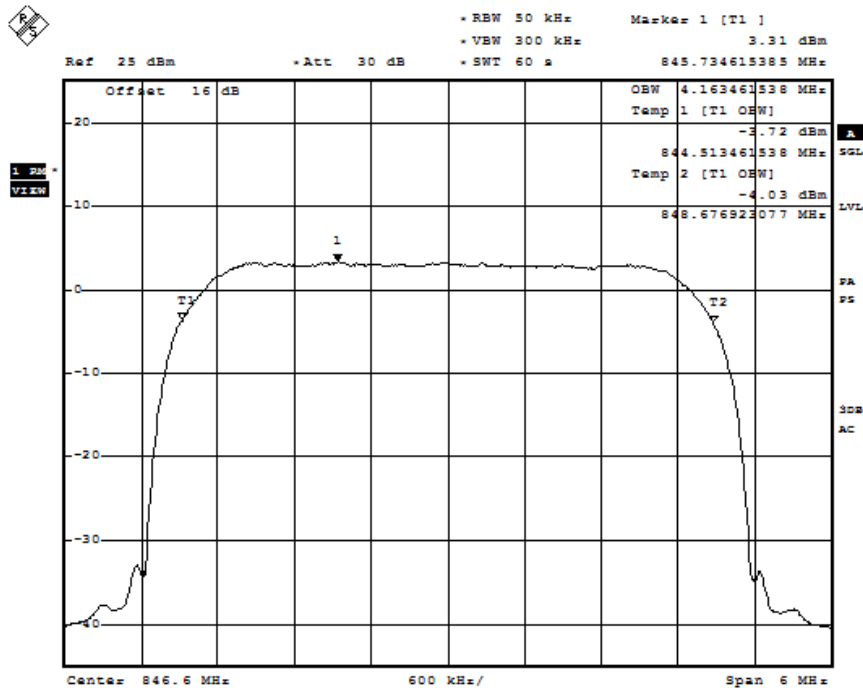
Date: 15.JUL.2013 15:02:26

Channel 4132



Date: 15.JUL.2013 15:04:03

Channel 4183



Date: 15.JUL.2013 15:05:27

Channel 4233

1.7. Spurious emissions conducted on FDD Band II

36.60_RSE_Ch9262_RMC_Sweep1

Common Information

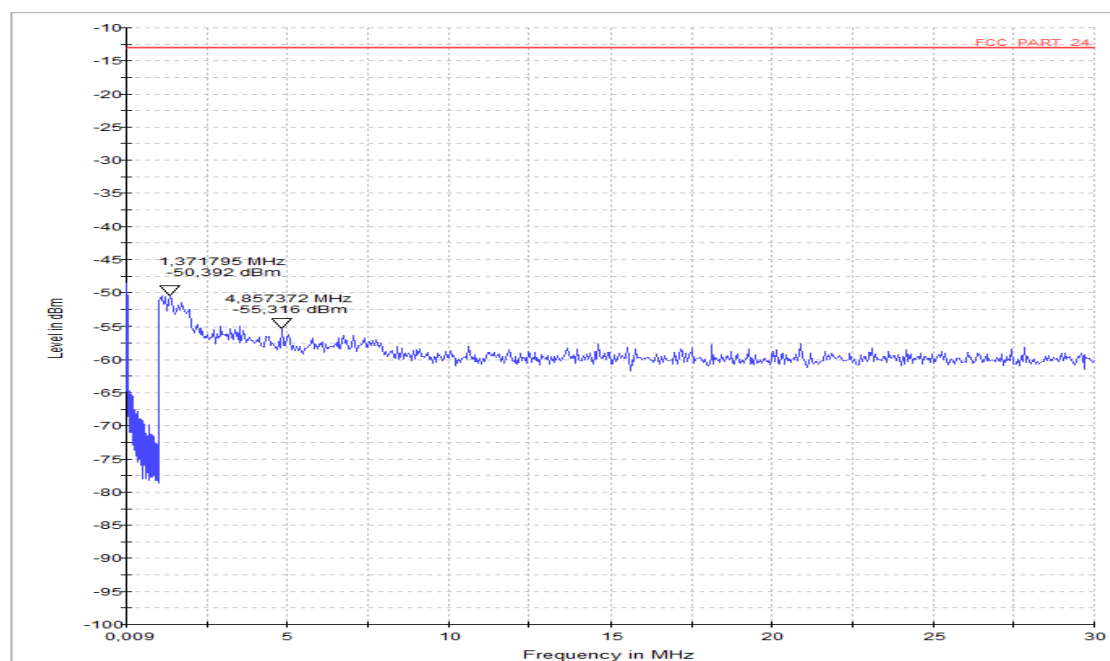
Test Description:	TX Spurious Emission conducted S2.1051 - Band-Edge Compliance
Test Site:	Radio laboratory 1
Test Standard:	FCC FCC Part 22&24
Operation mode:	TX - FDD II (RMC), low channel on U-ARFCN 9262
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_1



Sweep Setup: Sweep_1 [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 1 MHz	792,8 Hz	PK+	1 kHz	20 s	0 dB
1 MHz - 30 MHz	46,474 kHz	PK+	100 kHz	7 s	0 dB

36.61_RSE_Ch9262_RMC_Sweep2

Common Information

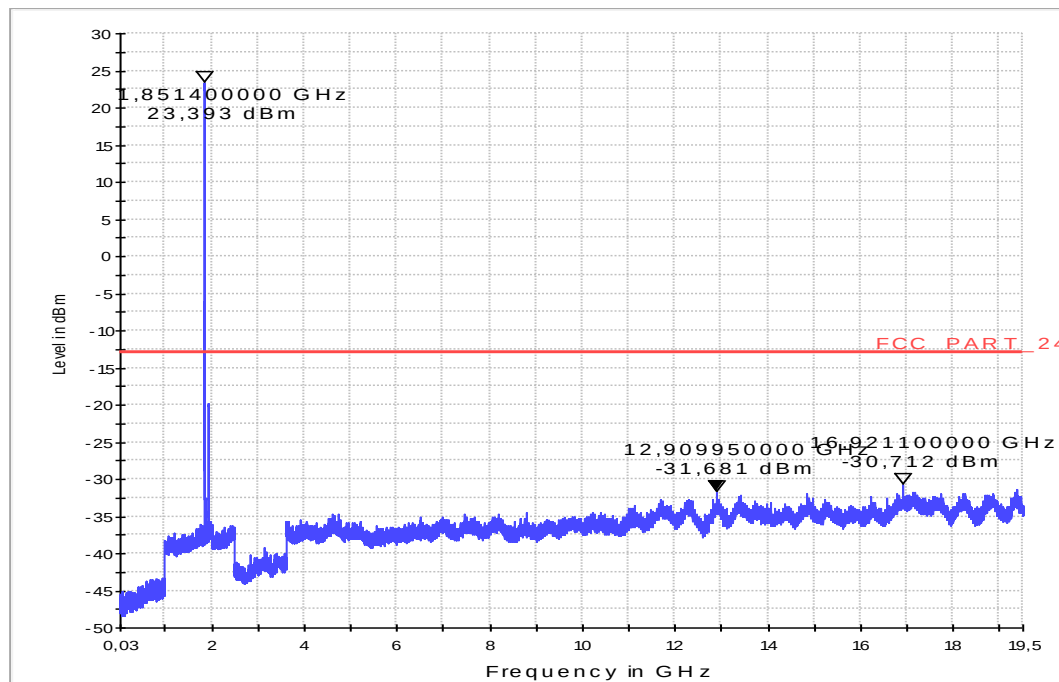
Test Description: Conducted TX unwanted emissions (Out-of-Band)
 Test Site: Radio Lab1, CETECOM GmbH, Essen, Germany
 Test Standard: FCC Part 24
 Operation mode: TX-FDD II (RMC99), Channel low = 9262
 Environment Conditions: Tnom, Vnom
 Operator Name: Lor
 Comment: --

EUT Information

Manufacturer: Peiker
 Model: Wireless Module
 Type: GSM/E-GPRS/W-CDMA/LTE

 EUT: PKD0424AB0o
 HW version: 3.0
 SW version: M9615A-CETWTAZM-5.0.17006
 SVN: -
 Config: -
 Serial number: US#405V1140-101HW1613
 Connected Interfaces: -
 Power Supply: 3.8V DC
 Comments: IMEI no. 004402-58-000004-4

Sweep_2



Sweep Setup: Sweep_2 [EMI radiated]

Hardware Setup: 31_ESU_Conducted_FCC_Part_15_22_24
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	388 kHz	PK+	1 MHz	20 s	0 dB
1 GHz - 2,5 GHz	600 kHz	PK+	1 MHz	30 s	0 dB
2.5 GHz - 19,5 GHz	850 kHz	PK+	1 MHz	500 s	0 dB

36.62_RSE_Ch9400_RMC_Sweep1

Common Information

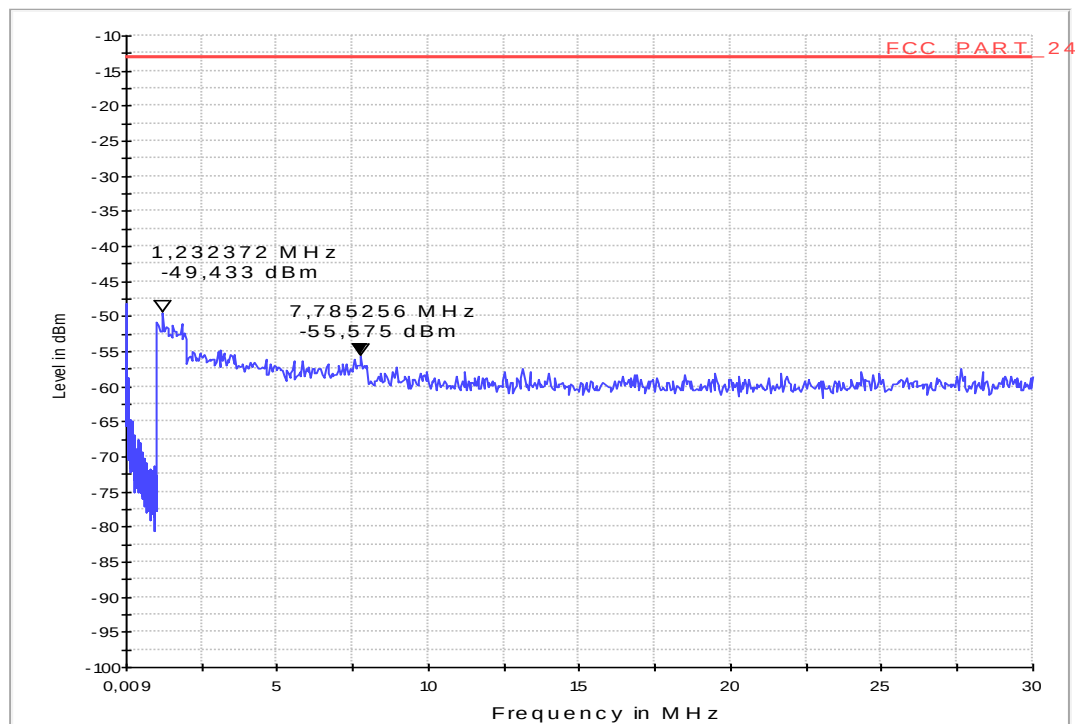
Test Description:	Conducted TX unwanted emissions (Out-of-Band)
Test Site:	Radio Lab1, CETECOM GmbH, Essen, Germany
Test Standard:	FCC Part 24
Operation mode:	TX-FDD II (RMC99), Channel middle = 9400
Environment Conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_1



Sweep Setup: Sweep_1 [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamplifier
9 kHz - 1 MHz	792.8 Hz	PK+	1 kHz	20 s	0 dB
1 MHz - 30 MHz	46,474 kHz	PK+	100 kHz	7 s	0 dB

36.63_RSE_Ch9400_RMC_Sweep2

Common Information

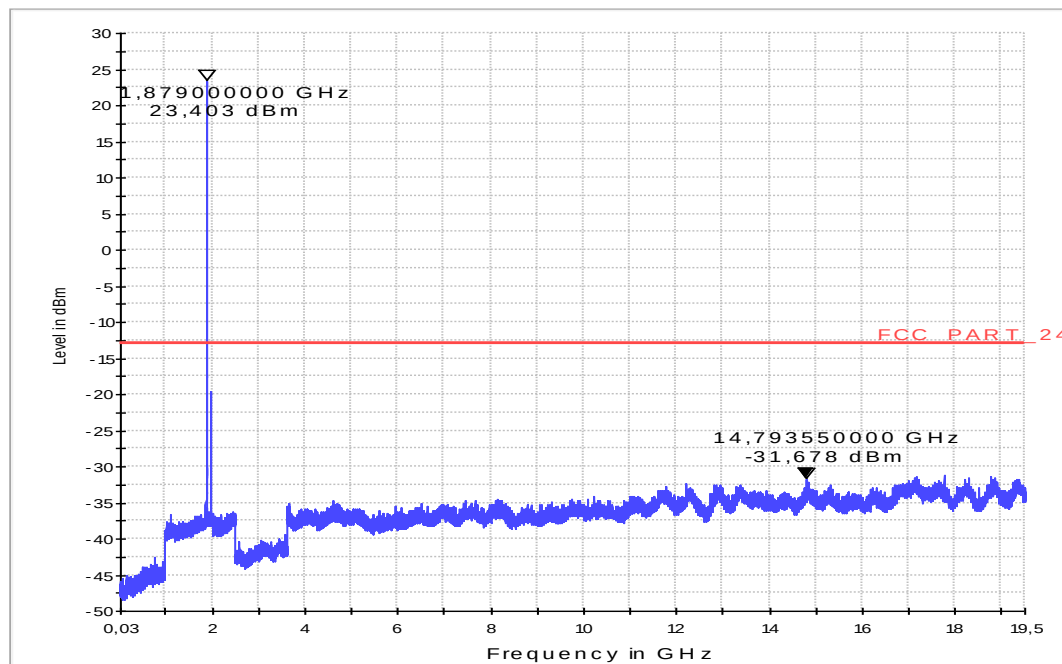
Test Description:	Conducted TX unwanted emissions (Out-of-Band)
Test Site:	Radio Lab1, CETECOM GmbH, Essen, Germany
Test Standard:	FCC Part 24
Operation mode:	TX-FDD II (RMC99), Channel middle = 9400
Environment Conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB00
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_2



Sweep Setup: Sweep_2 [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	388 kHz	PK+	1 MHz	20 s	0 dB
1 GHz - 2,5 GHz	600 kHz	PK+	1 MHz	30 s	0 dB
2.5 GHz - 19,5 GHz	850 kHz	PK+	1 MHz	500 s	0 dB

36.64_RSE_Ch9538_RMC_Sweep1

Common Information

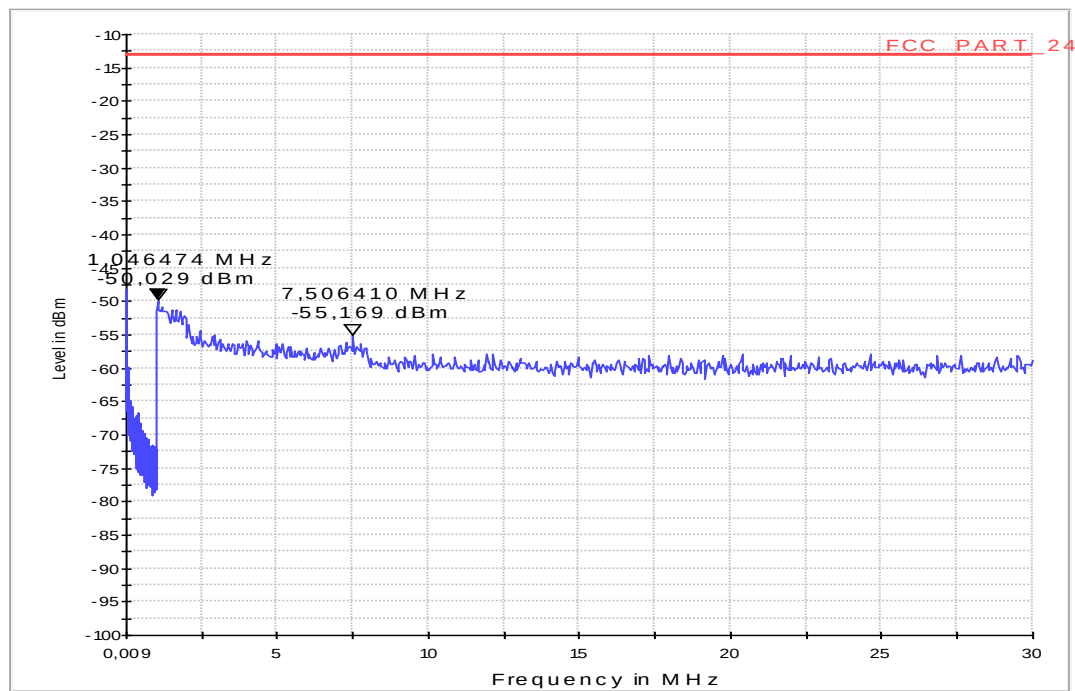
Test Description:	Conducted TX unwanted emissions (Out-of-Band)
Test Site:	Radio Lab1, CETECOM GmbH, Essen, Germany
Test Standard:	FCC Part 24
Operation mode:	TX-FDD II (RMC99), Channel high = 9538
Environment Conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_1



Sweep Setup: Sweep_1 [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 1 MHz	792,8 Hz	PK+	1 kHz	20 s	0 dB
1 MHz - 30 MHz	46,474 kHz	PK+	100 kHz	7 s	0 dB

36.65_RSE_Ch9538_RMC_Sweep2

Common Information

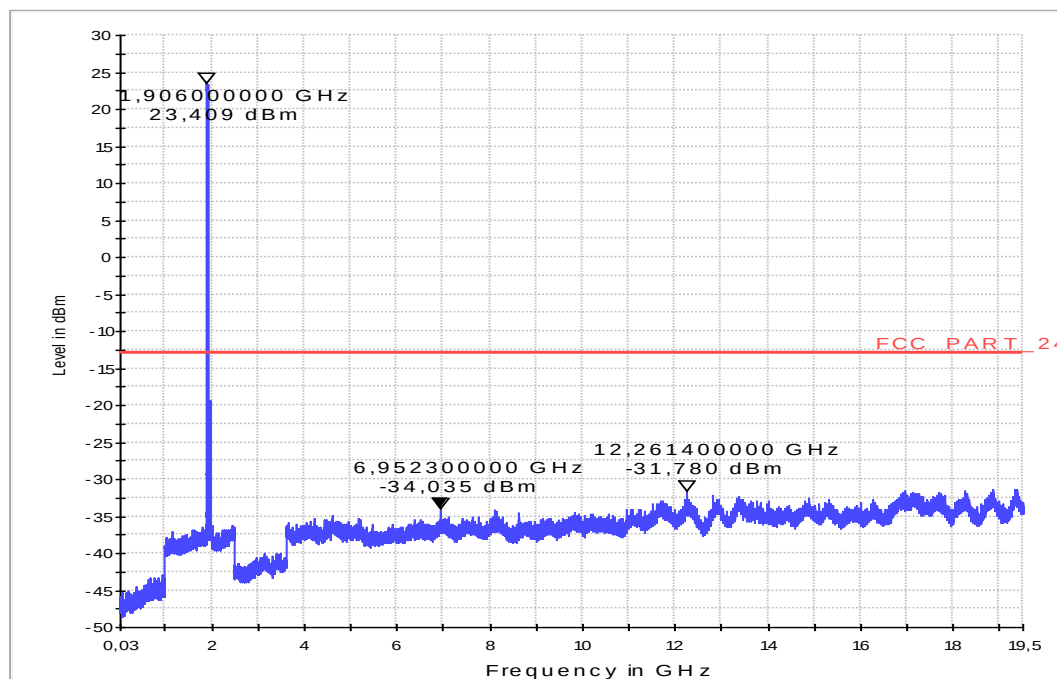
Test Description:	Conducted TX unwanted emissions (Out-of-Band)
Test Site:	Radio Lab1, CETECOM GmbH, Essen, Germany
Test Standard:	FCC Part 24
Operation mode:	TX-FDD II (RMC99), Channel high = 9538
Environment Conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_2



Sweep Setup: Sweep_2 [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	388 kHz	PK+	1 MHz	20 s	0 dB
1 GHz - 2.5 GHz	600 kHz	PK+	1 MHz	30 s	0 dB
2.5 GHz - 19.5 GHz	850 kHz	PK+	1 MHz	500 s	0 dB

1.8. Spurious emissions conducted on FDD Band V

36.40_RSE_Ch4132_RMC_Sweep1

Common Information

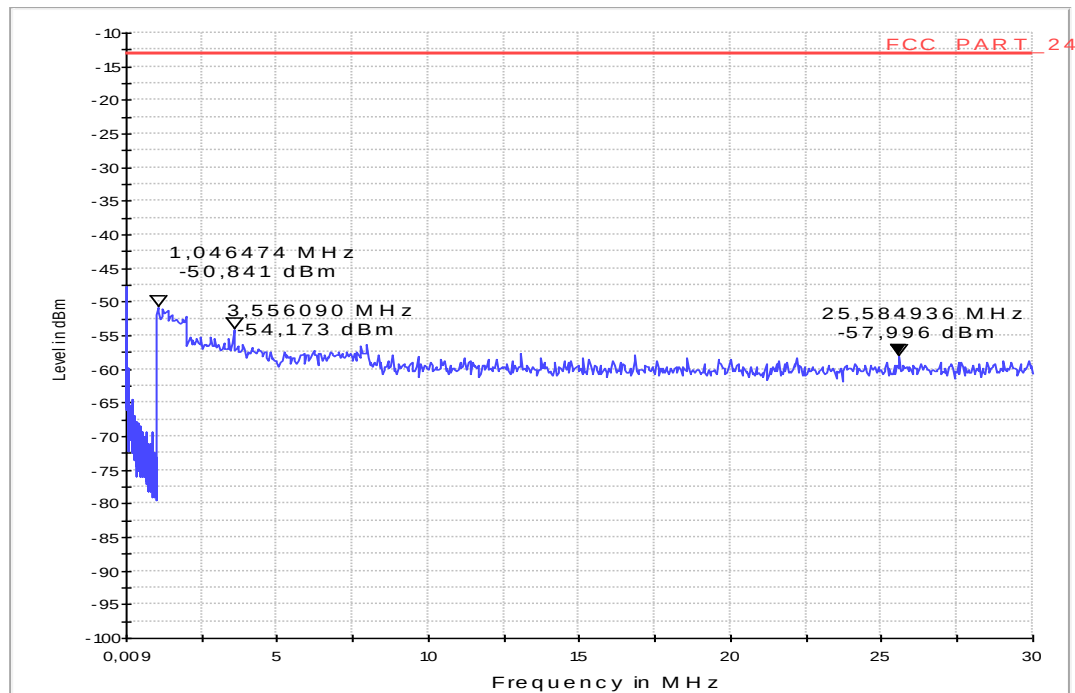
Test Description:	Conducted TX unwanted emissions (Out-of-Band)
Test Site:	Radio Lab1, CETECOM GmbH, Essen, Germany
Test Standard:	FCC Part 22
Operational mode:	TX-FDD V (RMC99), Channel low = 4132
Environment Conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_1



Sweep Setup: Sweep_1 [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 1 MHz	792,8 Hz	PK+	1 kHz	20 s	0 dB
1 MHz - 30 MHz	46,474 kHz	PK+	100 kHz	5 s	0 dB

36.41_RSE_Ch4132_RMC_Sweep2

Common Information

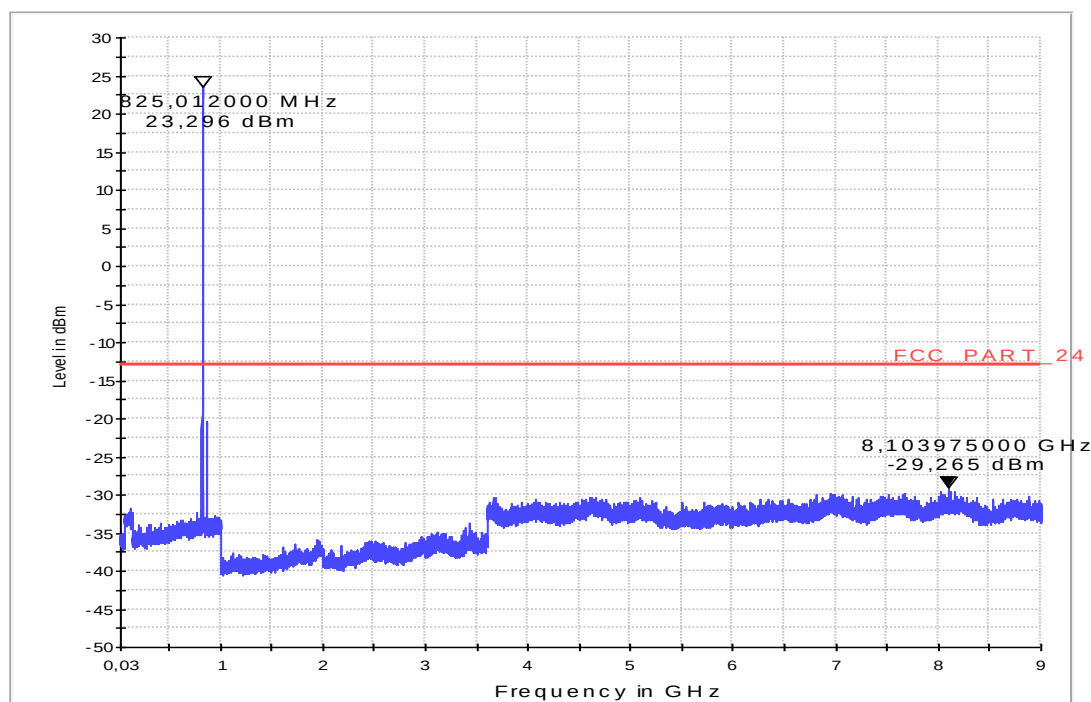
Test Description: Conducted TX unwanted emissions (Out-of-Band)
 Test Site: Radio Lab1, CETECOM GmbH, Essen, Germany
 Test Standard: FCC Part 22
 Operational mode: TX-FDD V (RMC99), Channel low = 4132
 Environment Conditions: Tnom, Vnom
 Operator Name: Lor
 Comment: --

EUT Information

Manufacturer: Peiker
 Model: Wireless Module
 Type: GSM/E-GPRS/W-CDMA/LTE

 EUT: PKD0424AB0o
 HW version: 3.0
 SW version: M9615A-CETWTAZM-5.0.17006
 SVN: -
 Config: -
 Serial number: US#405V1140-101HW1613
 Connected Interfaces: -
 Power Supply: 3.8V DC
 Comments: IMEI no. 004402-58-000004-4

Sweep_2



Sweep Setup: Sweep_2 [EMI radiated]

Hardware Setup: 31_ESU_Conducted_FCC_Part_15_22_24
 Receiver: [ESU 40]
 Level Unit: dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	388 kHz	PK+	1 MHz	20 s	0 dB
1 GHz - 2.5 GHz	600 kHz	PK+	1 MHz	30 s	0 dB
2.5 GHz - 9 GHz	325 kHz	PK+	1 MHz	150 s	0 dB

36.42_RSE_Ch4183_RMC_Sweep1

Common Information

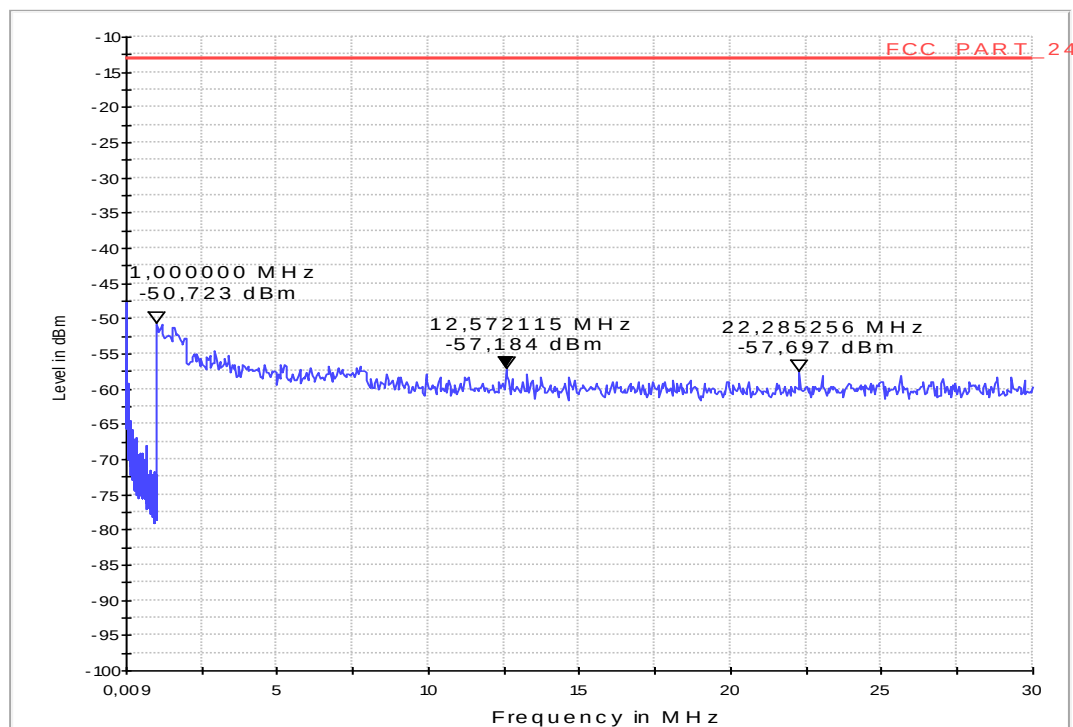
Test Description:	Conducted TX unwanted emissions (Out-of-Band)
Test Site:	Radio Lab1, CETECOM GmbH, Essen, Germany
Test Standard:	FCC Part 22
Operational mode:	TX-FDD V (RMC99), Channel middle = 4183
Environment Conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB00
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_1



Sweep Setup: Sweep_1 [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 1 MHz	792,8 Hz	PK+	1 kHz	20 s	0 dB
1 MHz - 30 MHz	46,474 kHz	PK+	100 kHz	5 s	0 dB

36.43_RSE_Ch4183_RMC_Sweep2

Common Information

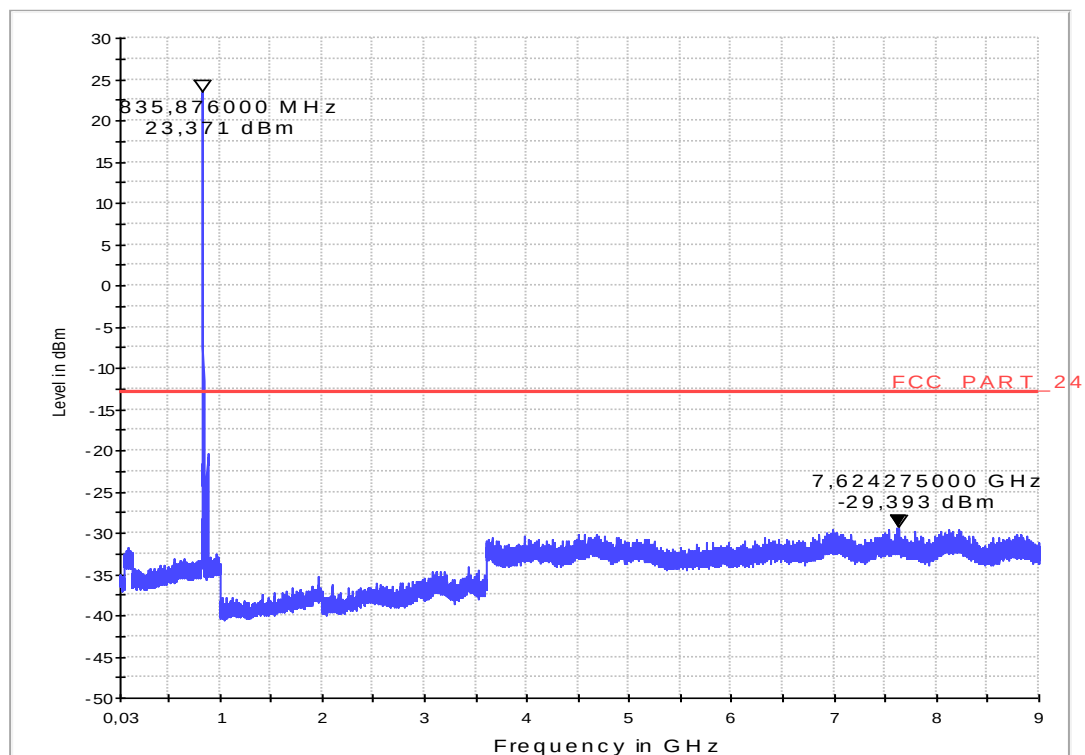
Test Description:	Conducted TX unwanted emissions (Out-of-Band)
Test Site:	Radio Lab1, CETECOM GmbH, Essen, Germany
Test Standard:	FCC Part 22
Operational mode:	TX-FDD V (RMC99), Channel middle = 4183
Environment Conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB00
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_2



Sweep Setup: Sweep_2 [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	388 kHz	PK+	1 MHz	20 s	0 dB
1 GHz - 2.5 GHz	600 kHz	PK+	1 MHz	30 s	0 dB
2.5 GHz - 9 GHz	325 kHz	PK+	1 MHz	150 s	0 dB

36.44_RSE_Ch4233_RMC_Sweep1

Common Information

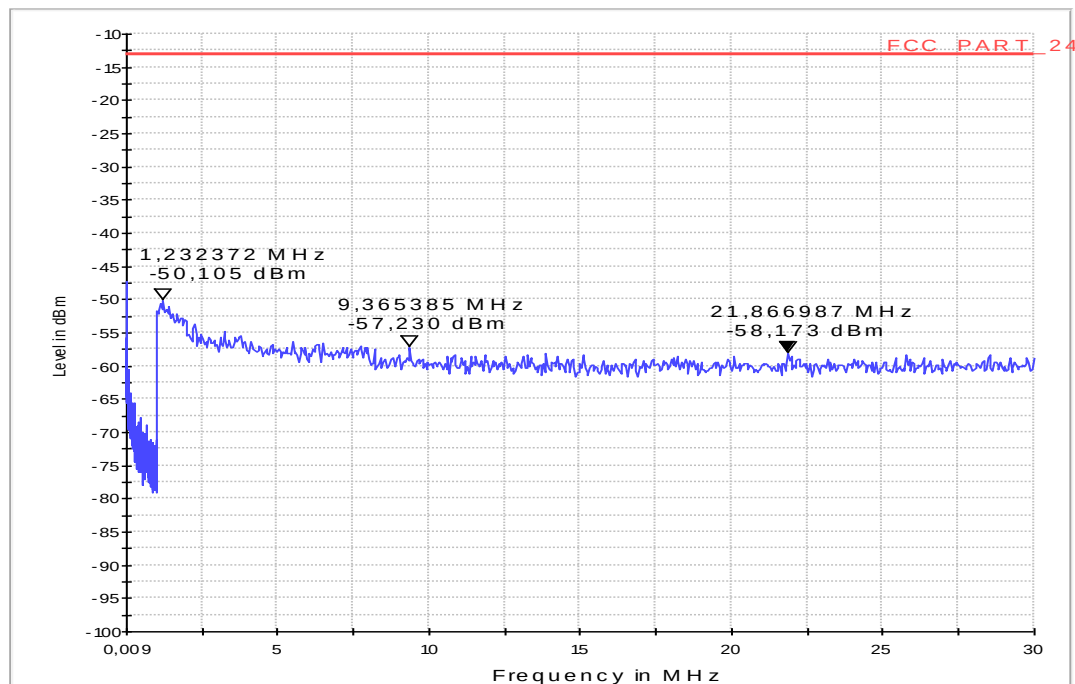
Test Description:	Conducted TX unwanted emissions (Out-of-Band)
Test Site:	Radio Lab1, CETECOM GmbH, Essen, Germany
Test Standard:	FCC Part 22
Operational mode:	TX-FDD V (RMC99), Channel high = 4233
Environment Conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_1



Sweep Setup: Sweep_1 [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 1 MHz	792,8 Hz	PK+	1 kHz	20 s	0 dB
1 MHz - 30 MHz	46,474 kHz	PK+	100 kHz	5 s	0 dB

36.45_RSE_Ch4233_RMC_Sweep2

Common Information

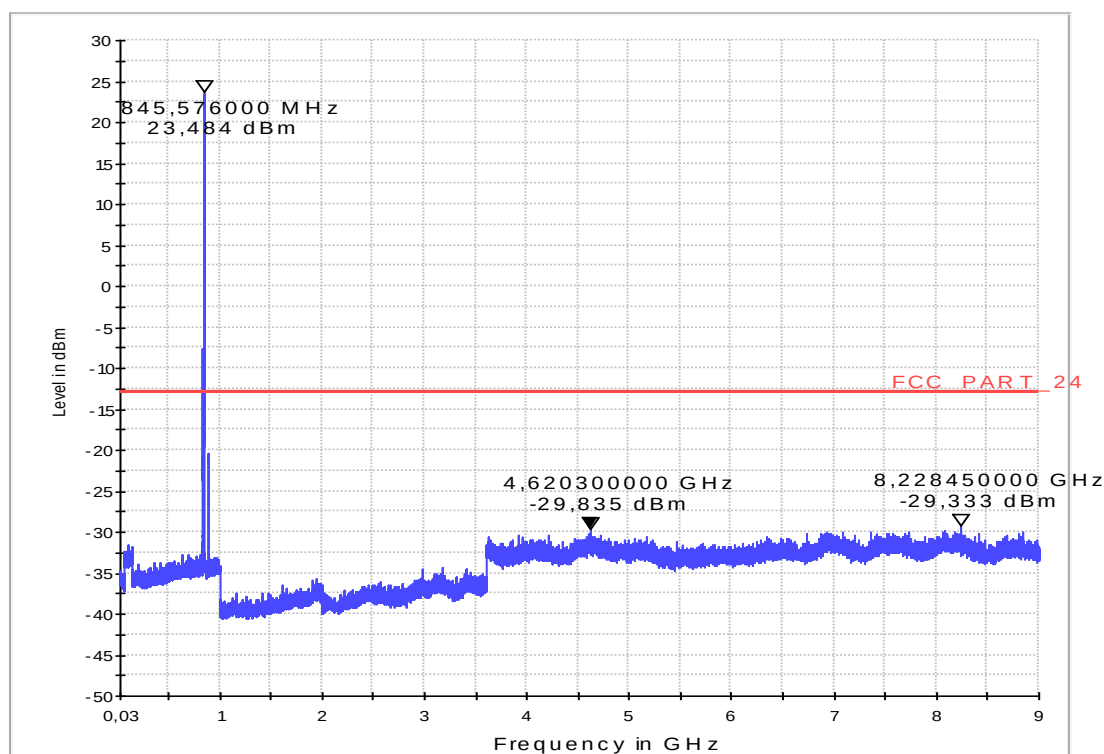
Test Description:	Conducted TX unwanted emissions (Out-of-Band)
Test Site:	Radio Lab1, CETECOM GmbH, Essen, Germany
Test Standard:	FCC Part 22
Operational mode:	TX-FDD V (RMC99), Channel high = 4233
Environment Conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_2



Sweep Setup: Sweep_2 [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	388 kHz	PK+	1 MHz	20 s	0 dB
1 GHz - 2,5 GHz	600 kHz	PK+	1 MHz	30 s	0 dB
2.5 GHz - 9 GHz	325 kHz	PK+	1 MHz	150 s	0 dB

1.9. Conducted emissions on FDD Band II band-edge

Diagram No.: 37.60_BE_Ch9262_RMC_PK

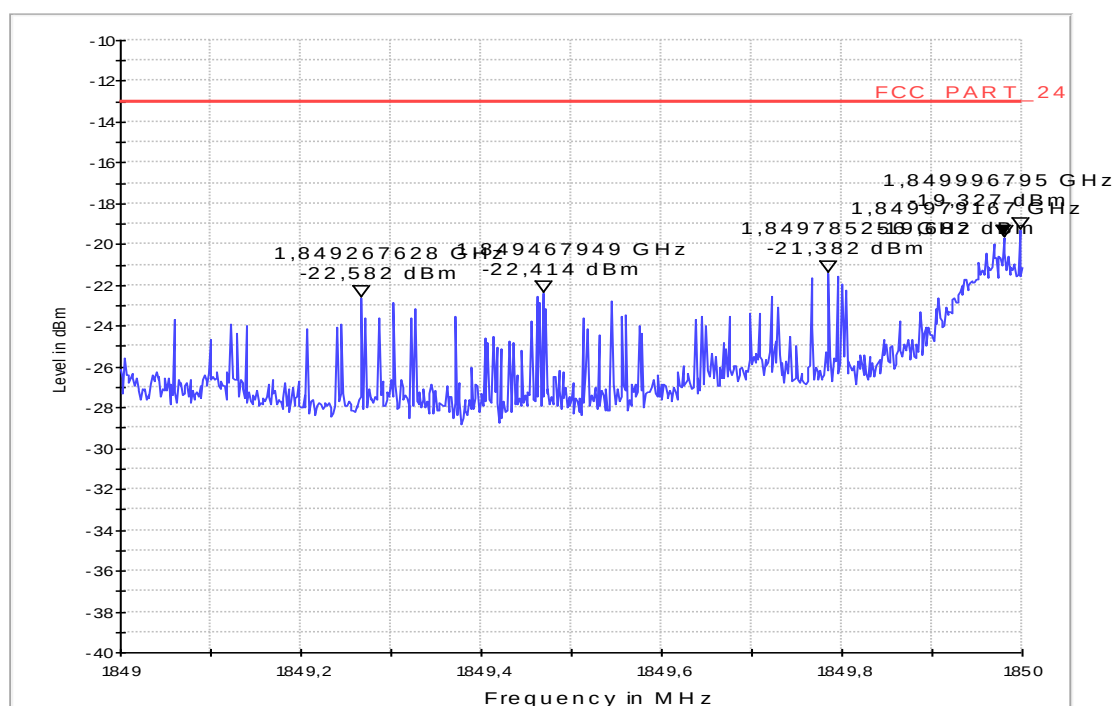
Common Information

Test Description:	Band-Edge compliance - TX Spurious Emission conducted §2.1051
Test Site:	Radio laboratory 1
Test Standard:	FCC FCC Part 24
Operation mode:	TX - FDD II (RMC99), low channel on 9262
Environmental conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE
EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_3a_Band_Edge_Channel_9262_PK



Sweep Setup: Sweep_3a_Band_Edge_Channel_9262_PK [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1.849 GHz - 1.85 GHz	1,603 kHz	PK+	50 kHz	70 s	0 dB

Diagram No.: 37.61_BE_Ch9538_RMC_PK

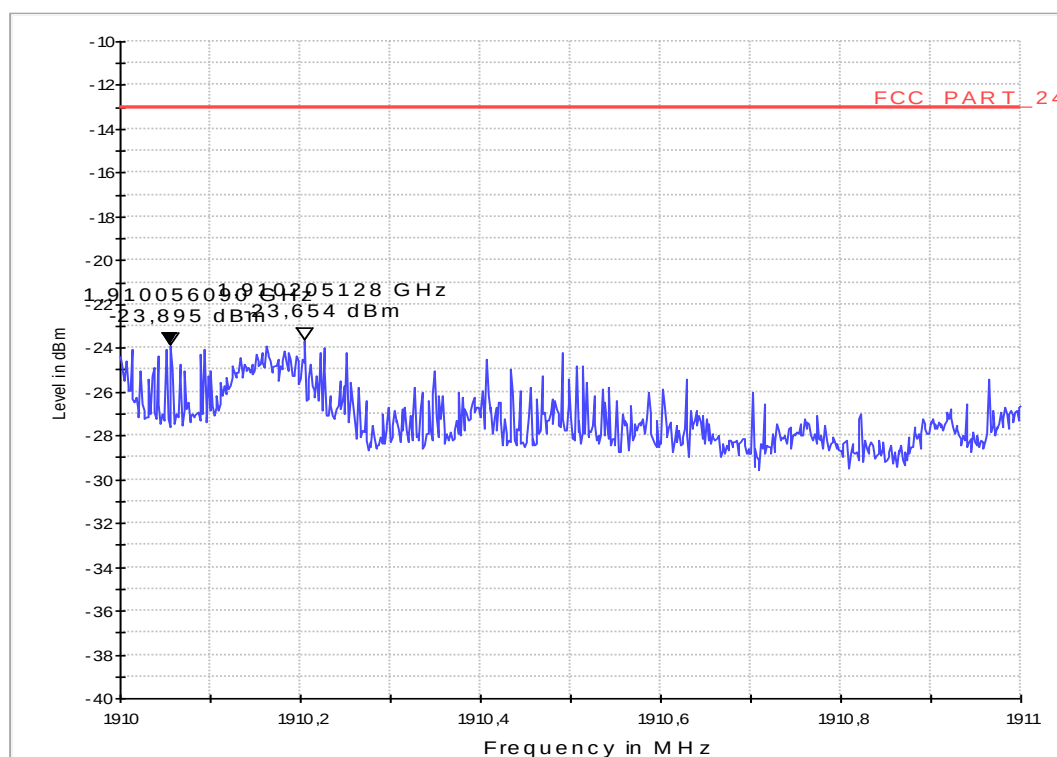
Common Information

Test Description:	Band-Edge compliance - TX Spurious Emission conducted §2.1051
Test Site:	Radio laboratory 1
Test Standard:	FCC FCC Part 24
Operation mode:	TX - FDD II (RMC99), high channel on 9538
Environmental conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE
EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_4a_Band_Edge_Channel_9538_PK



Sweep Setup: Sweep_4a_Band_Edge_Channel_9538_PK [EMI radiated]

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
1.91 GHz - 1,911 GHz	1,603 kHz	PK+	50 kHz	70 s	0 dB

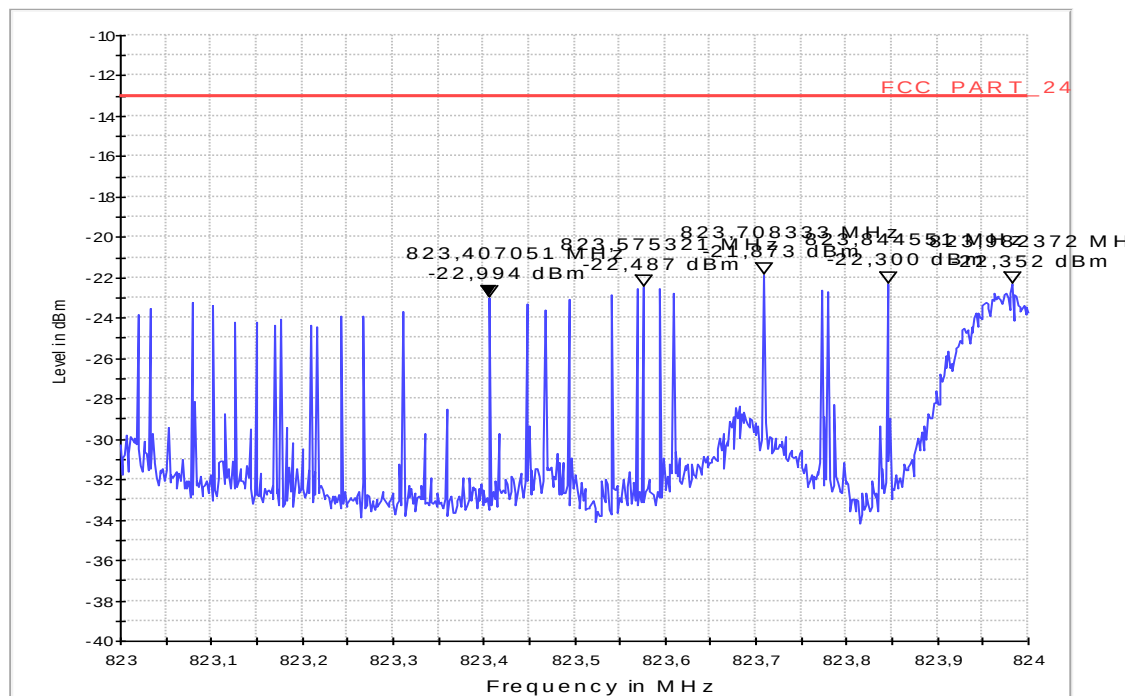
1.10. Conducted emissions on FDD Band V band-edge**Diagram No.: 37.40_BE_Ch4132_RMC_PK****Common Information**

Test Description:	Band-Edge compliance - TX Spurious Emission conducted §2.1051
Test Site:	Radio laboratory 1
Test Standard:	FCC FCC Part 22
Operation mode:	TX - FDD V (RMC99), low = 4132
Environmental conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE
EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_3a_Band_Edge_Channel_4132_PK

**Sweep Setup: Sweep_3a_Band_Edge_Channel_4132_PK [EMI radiated]**

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
823 MHz - 824 MHz	1,603 kHz	PK+	50 kHz	30 s	0 dB

Diagram No.: 37.41_BE_Ch4233_RMC_PK**Common Information**

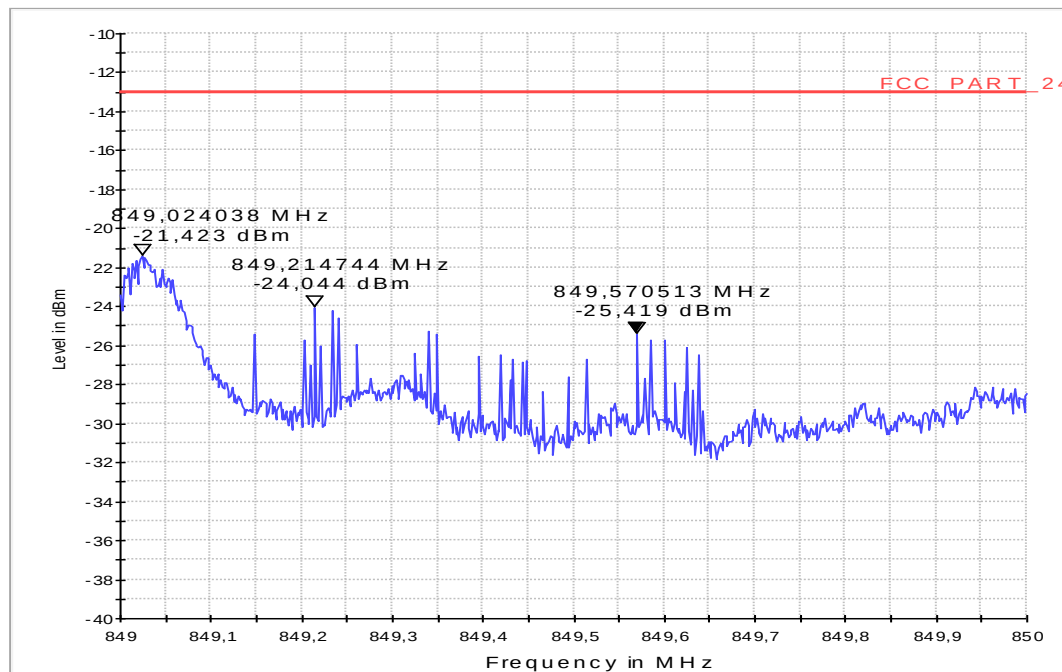
Test Description:	Band-Edge compliance - TX Spurious Emission conducted §2.1051
Test Site:	Radio laboratory 1
Test Standard:	FCC FCC Part 22
Operation mode:	TX - FDD V (RMC99), high channel = 4233
Environmental conditions:	Tnom, Vnom
Operator Name:	Lor
Comment:	--

EUT Information

Manufacturer:	Peiker
Model:	Wireless Module
Type:	GSM/E-GPRS/W-CDMA/LTE

EUT:	PKD0424AB0o
HW version:	3.0
SW version:	M9615A-CETWTAZM-5.0.17006
SVN:	-
Config:	-
Serial number:	US#405V1140-101HW1613
Connected Interfaces:	-
Power Supply:	3.8V DC
Comments:	IMEI no. 004402-58-000004-4

Sweep_4a_Band_Edge_Channel_4233_PK

**Sweep Setup: Sweep_4a_Band_Edge_Channel_4233_PK [EMI radiated]**

Hardware Setup:	31_ESU_Conducted_FCC_Part_15_22_24
Receiver:	[ESU 40]
Level Unit:	dBm

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
849 MHz - 850 MHz	1,603 kHz	PK+	50 kHz	30 s	0 dB