

Annex 1: Measurement diagrams to TEST REPORT

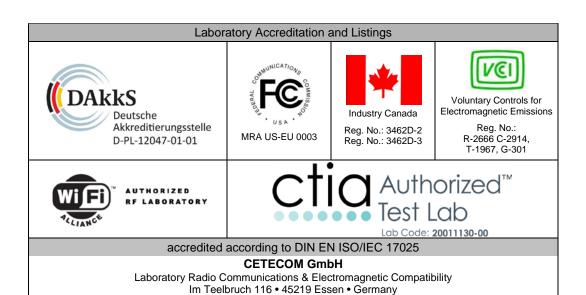
No.: 17-1-0051801T03a

According to: FCC Regulations
Part 22, Part 24

for

### Daimler Trucks North America

### 7 620 000 283 CTPDIN FCC-ID: 2AMIOCTP4465460



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E-mail: info@cetecom.com • Internet: www.cetecom.com



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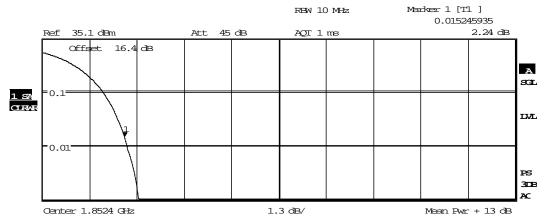
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# 1. Measurement diagrams

# 1.1. Peak power output and PAPR-Value

### 1.1.1. FDD Band 2

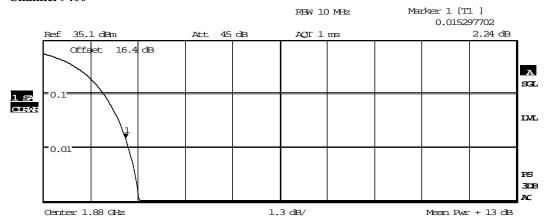
### Channel 9262



Complementary Cumulative Distribution Function NOF samples: 16000, Usable BW: 11.2MHz

Mean Peak Crest	Trace 22.35 25.13 2.77	dBm dBm
10 % 1 % .1 %	1.67 2.33 2.65 2.75	dB dB

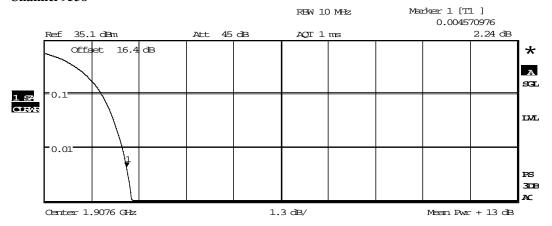
Date: 24.MAY.2017 17:00:57



Complementary Cumulative Distribution Function NOF samples: 16000, Usable BW: 11.2MHz

	Trace	e 1
Mean	22.54	dBm
Peak	25.36	dBm
Crest	2.82	
10 %	1.65	dВ
1 %	2.33	dВ
.1 %	2.65	dВ
.01 %	2.77	dВ

Date: 24.MAY.2017 17:01:47



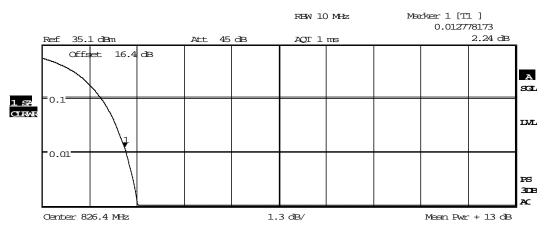
Complementary Cumulative Distribution Function NOF samples: 16000, Usable BW: 11.2MHz

Mean Peak Crest	22.24 24.88 2.65	dBm dBm
10 % 1 % .1 %	1.56 2.15 2.40 2.56	dB dB

Date: 24.MAY.2017 17:04:47

### Diagram CCDF\_Ch\_9538

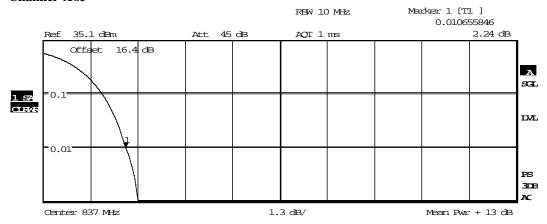
### 1.1.2. FDD Band 5



Complementary Cumulative Distribution Function NOF samples: 16000, Usable BW: 11.2MHz

Mean Peak Crest	Trace 22.97 25.86 2.88	dBm dBm
10 % 1 % .1 %	1.60 2.29 2.63 2.79	dB dB

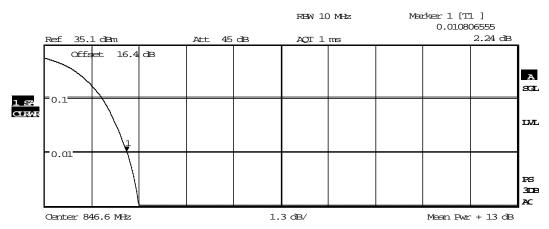
Date: 24.MAY.2017 16:57:50



Complementary Cumulative Distribution Function NOF samples: 16000, Usable BW: 11.2MHz

Mean Peak Crest	Trace 23.17 26.08 2.91	dBm dBm
10 % 1 % .1 %	1.60 2.27 2.60 2.75	dB dB

Date: 24.MAY.2017 16:58:54



Complementary Cumulative Distribution Function NOF samples: 16000, Usable BW: 11.2MHz

Mean Peak Crest	Trace 23.29 26.14 2.85	dBm dBm
10 % 1 % .1 %	1.58 2.27 2.60 2.77	dB dB

Date: 24.MAY.2017 16:59:48

# 1.2. Magnetic field emissions radiated (FDD Band II transmitting mode) 2.20a RSE R\_Ch9262\_RMC

### **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

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: Mah
Operating conditions: TX-on
Power during tests: 24V DC

Comment 1: Channel No: 9262 EUT Position: EUT Standing

#### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

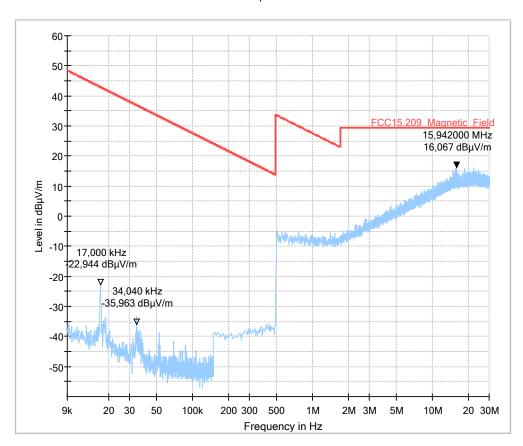
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 2.20b\_RSE\_R\_ Ch9262\_RMC

### **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

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: RIs
Operating conditions: TX-on
Power during tests: 24V DC

Comment 1: Channel No: 9262

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

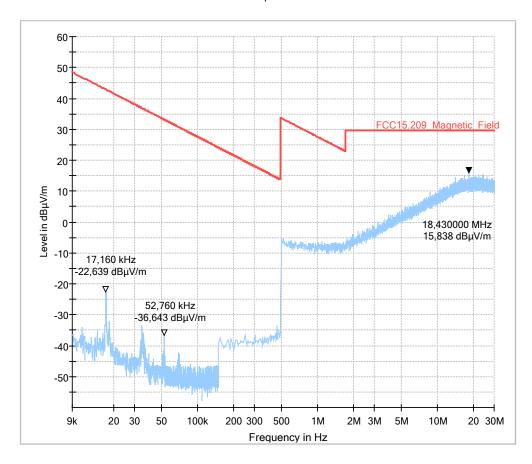
 HW Version:
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 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 2.21a\_RSE\_R\_ Ch9400\_RMC

### **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

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: Mah
Operating conditions: TX-on
Power during tests: 24V DC

Comment 1: Channel No: 9400 EUT Position: EUT Standing

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

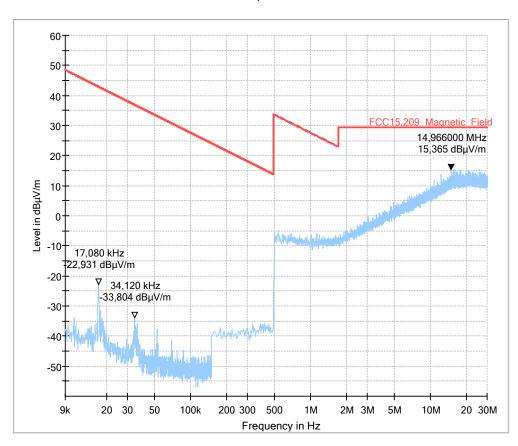
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 2.21b\_RSE\_R\_ Ch9400\_RMC

### **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

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: RIs
Operating conditions: TX-on
Power during tests: 24V DC

Comment 1: Channel No: 9400

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

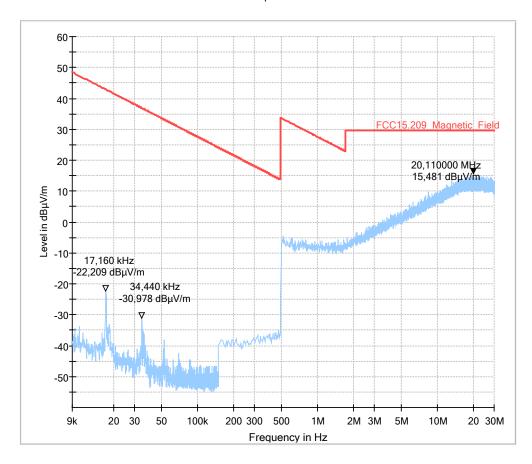
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 2.22a\_RSE\_R\_ Ch9538\_RMC

### **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

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: AFI

Operating mode: UMTS FDD II Channel 9538
Operating conditions: Humidity: 40%rH; Temperature: 20°C

Power during tests: 24 V DC
Comment 1: DUT Standing

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

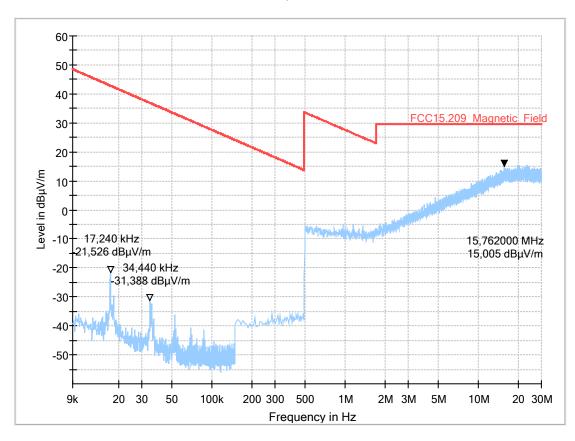
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 2.22b\_RSE\_R\_ Ch9538\_RMC

### **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

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: RIs
Operating conditions: TX-on
Power during tests: 24V DC

Comment 1: Channel No: 9538

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

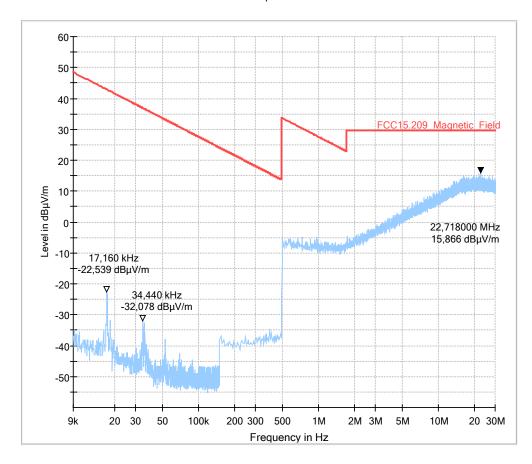
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 1.3. Magnetic field emissions radiated (FDD Band V transmitting mode) 2.50a RSE R\_ Ch4132\_RMC

### **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

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

Operating mode: UMTS FDD V Channel 4132
Operating conditions: Humidity: 40%rH; Temperature: 20°C

Power during tests: 24 V DC
Comment 1: 24 V DC
DUT Standing

#### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

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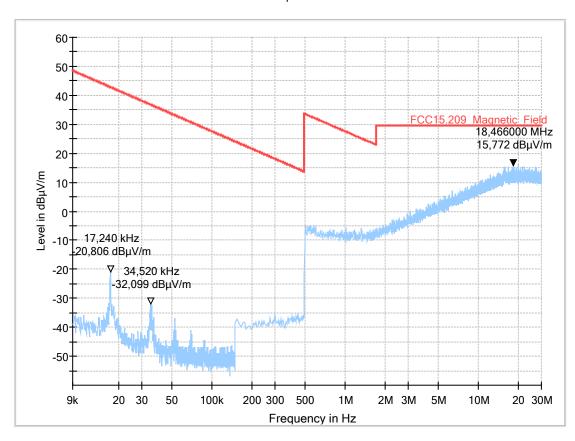
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 2.50b\_RSE\_R\_ Ch4132\_RMC

### **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

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: RIs

Operating conditions: TX Mode\_UMTSV

Power during tests: 24V DC

Comment 1: Channel No: 4132

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

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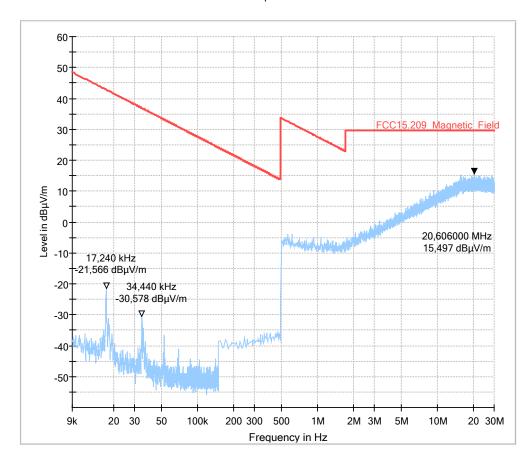
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 2.51a\_RSE\_R\_ Ch4183\_RMC

### **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

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: AFI

Operating mode: UMTS FDD V Channel 4183
Operating conditions: Humidity: 40%rH; Temperature: 20°C

Power during tests: 24 V DC
Comment 1: DUT Standing

#### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

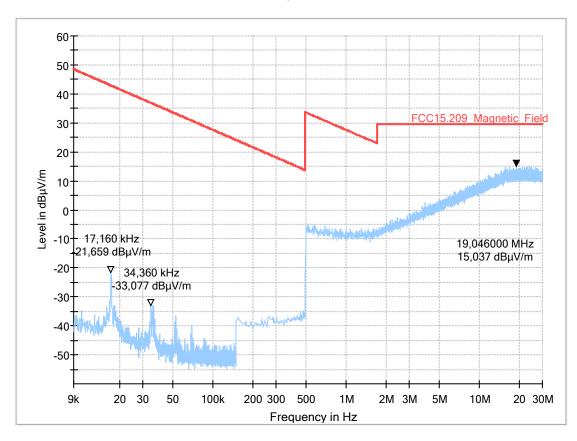
HW Version: 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 2.51b\_RSE\_R\_ Ch4183\_RMC

### **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

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: RIs

Operating conditions: TX Mode\_UMTSV

Power during tests: 24V DC

Comment 1: Channel No: 4183

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

200 0... \_5...

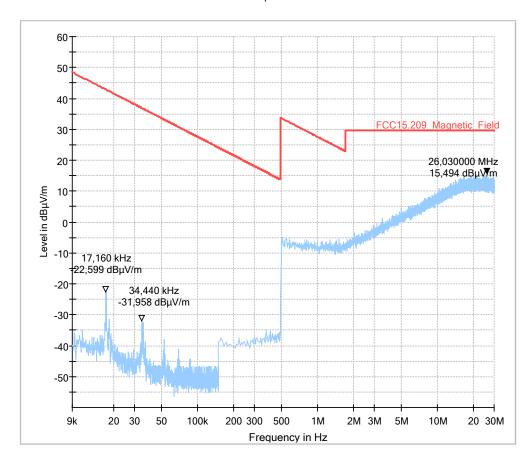
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 2.52a\_RSE\_R\_ Ch4233\_RMC

### **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

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: AFI

Operating mode: UMTS FDD V Channel 4233
Operating conditions: Humidity: 40%rH; Temperature: 20°C

Power during tests: 24 V DC
Comment 1: DUT Standing

#### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

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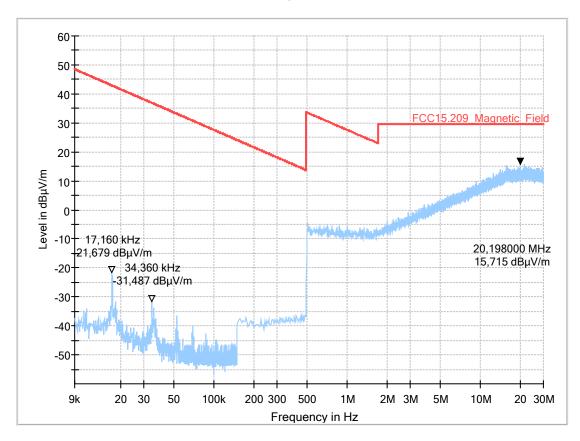
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 2.52b\_RSE\_R\_ Ch4233\_RMC

### **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

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: RIs

Operating conditions: TX Mode\_UMTSV

Power during tests: 24V DC Comment 1: 4233

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

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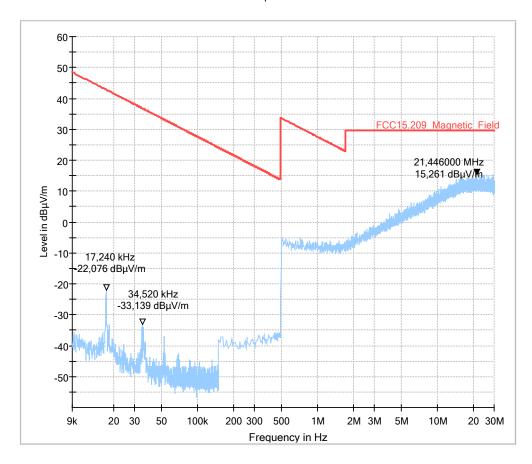
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 1.4. Spurious emissions radiated (FDD Band II transmitting mode) 8.20a\_RSE\_R\_ Ch9262\_RMC\_standing

### **Common Information**

Test Description: Radiated Spurious Emissions UMTS FDDII

Test Site Location: CETECOM GmbH Essen
Test Site: Fully Anechoic Room (FAR)

Test Standard: FCC Part 24

Operating Mode: UE allocated channel 9262 (fc = 1852.4 MHz) Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe Remark: standing

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

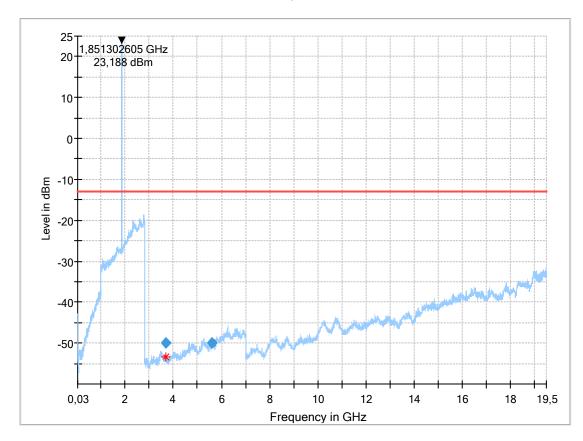
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 8.20b\_RSE\_R\_ Ch9262\_RMC\_laying

### **Common Information**

Test Description: Radiated Spurious Emissions UMTS FDDII

Test Site Location: CETECOM GmbH Essen
Test Site: Fully Anechoic Room (FAR)

Test Standard: FCC Part 24

Operating Mode: UE allocated channel 9262 (fc = 1852.4 MHz) Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe Remark: laying

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

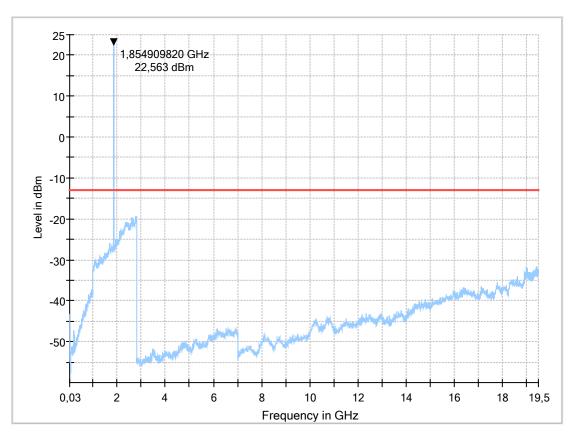
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 8.21a\_RSE\_R\_ Ch9400\_RMC\_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 9400 (fc = 1880MHz) Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe Remark: standing

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

 HW Version:
 6797G04

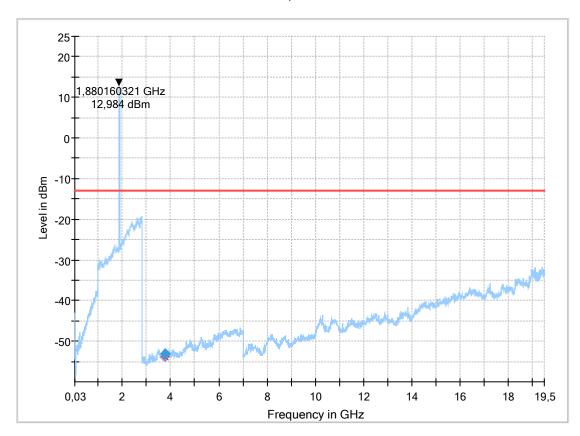
 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC

### Full Spectrum



### Final\_Result

Frequency (MHz)	Limit (dBm )	Margin (dB)	Meas. Time (ms)	Pol	Azimut h (deg)	Corr. (dB)
3757.444890	13.00	40.02	10000. 0	Н	334.0	-95.1

# 8.21b\_RSE\_R\_ Ch9400\_RMC\_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 (fc = 1880MHz) Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe Remark: laying

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

HW Version: 6797G04

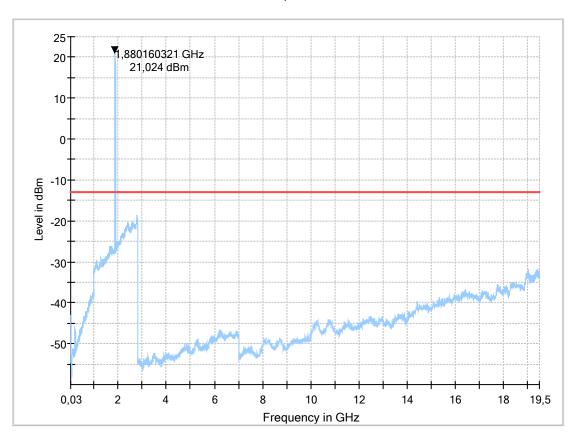
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 8.22a\_RSE\_R\_ Ch9538\_RMC\_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 9538

Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe Remark: laying

#### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

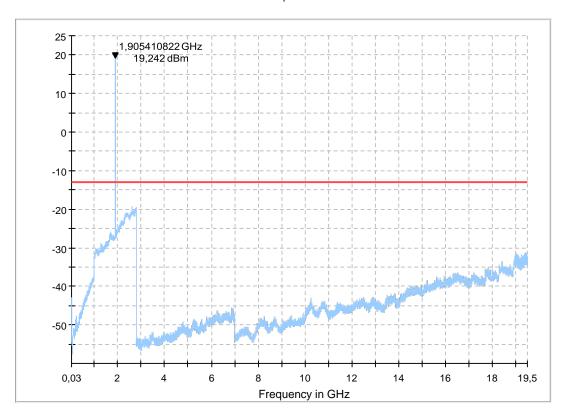
 HW Version:
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 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 8.22b\_RSE\_R\_ Ch9538\_RMC\_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: 34%rH; Temperature: 19°C

Operator: MBe Remark: laying

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

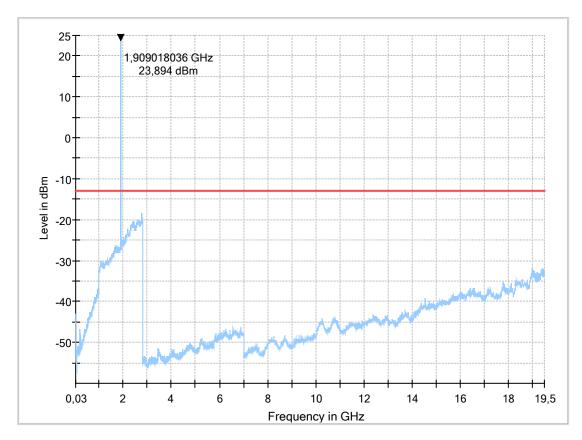
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 1.5. Spurious emissions radiated (FDD Band V transmitting mode) 8.50a\_RSE\_R\_ Ch4132\_RMC\_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 (fc = 826.6MHz Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

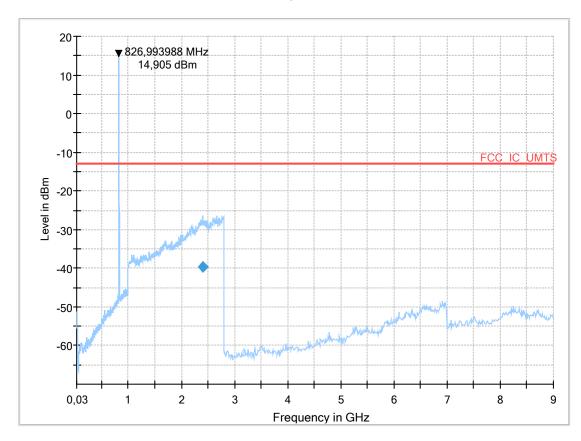
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 8.50b\_RSE\_R\_ Ch4132\_RMC\_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 4132 (fc = 826.6MHz Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

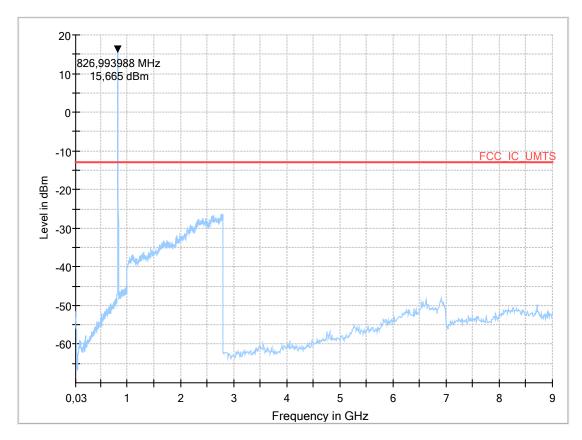
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 8.51a\_RSE\_R\_ Ch4183\_RMC\_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) UE allocated channel 4183 Operating Mode:

Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe

### **EUT Information**

Serial Number:

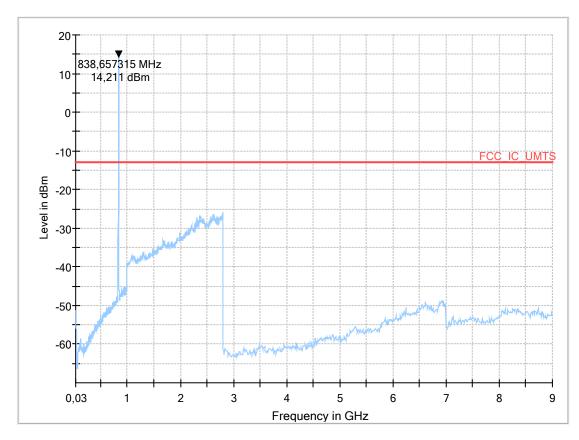
Robert Bosch Car Multimedia GmbH Manufacturer:

EuT: ECU cTP \_DIN

HW Version: 6797G04 SW Version: 16.099.2

2830006236 Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 8.51b\_RSE\_R\_ Ch4183\_RMC\_laying

### **Common Information**

**Environmental Conditions:** 

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 4133/4182/4233 (fc = 826.6/836.4/846.6 MHz),

Voice/HSDPA/HSUPA/HSPA+, H-Set x Humidity: 40%rH; Temperature: 20°C

Operator: Mah

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

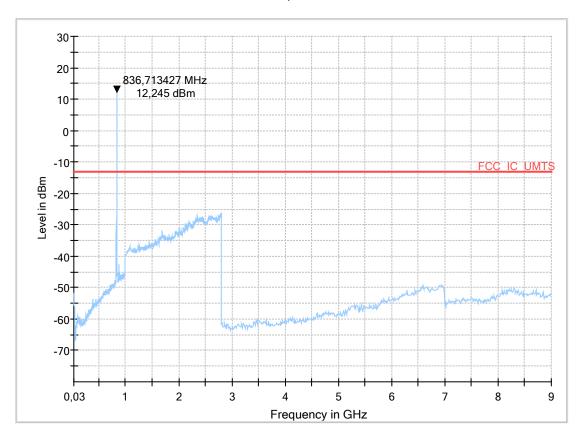
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 8.52a\_RSE\_R\_ Ch4233\_RMC\_standing

### **Common Information**

Test Description: Radiated Spurious Emissions UMTS FDDV

Test Site Location:

CETECOM GmbH Essen

Fully Anechoic Room (FAR)

Test Standard:

Operating Mode:

CETECOM GmbH Essen

Fully Anechoic Room (FAR)

FCC Part 22.917(a)

UE allocated channel 4233

Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

HW Version: 6797G04 SW Version: 16.099.2

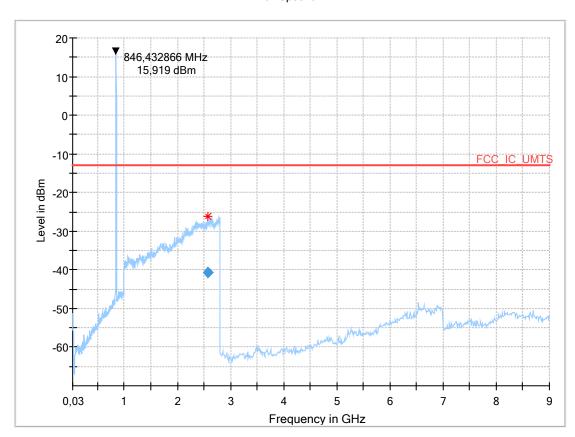
 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC

### Full Spectrum



### Final\_Result

Frequency (MHz)	Limit (dBm )	Margin (dB)	Meas. Time (ms)	Pol	Azimut h (deg)	Corr. (dB)
	-					

# 8.52b\_RSE\_R\_ Ch4233\_RMC\_laying

### **Common Information**

**Environmental Conditions:** 

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 4133/4182/4233 (fc = 826.6/836.4/846.6 MHz),

Voice/HSDPA/HSUPA/HSPA+, H-Set x Humidity: 40%rH; Temperature: 20°C

Operator: Mah

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

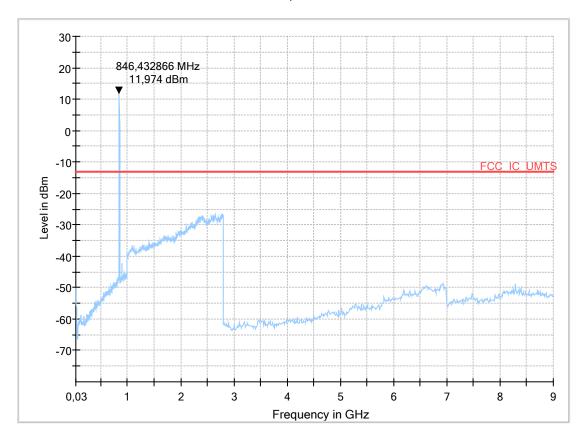
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 1.6. Radiated emissions on FDD Band II band-edge 9.20a\_BE\_R\_ Ch9262\_RMC\_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 9262

Operating Conditions: Humidity: 40%rH; Temperature: 20°C

Operator Name: Mah

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

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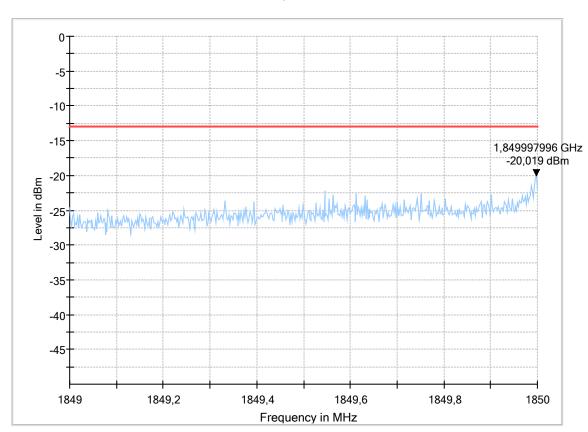
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 9.20b\_BE\_R\_ Ch9262\_RMC\_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

Operating Conditions: Humidity: 40%rH; Temperature: 20°C

Operator Name: Mah

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

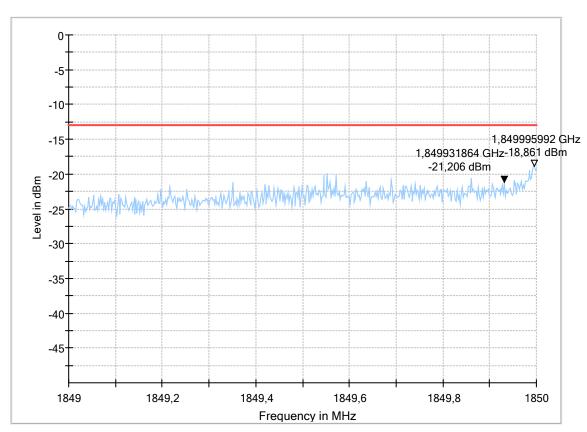
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 9.21a\_BE\_R\_ Ch9538\_RMC\_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: RSS\_130 Issue1

Operating Mode: UE allocated channel 9538

Exclusionband:

Environmental Conditions: Humidity: 40%rH; Temperature: 20°C

Operator: Mah

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

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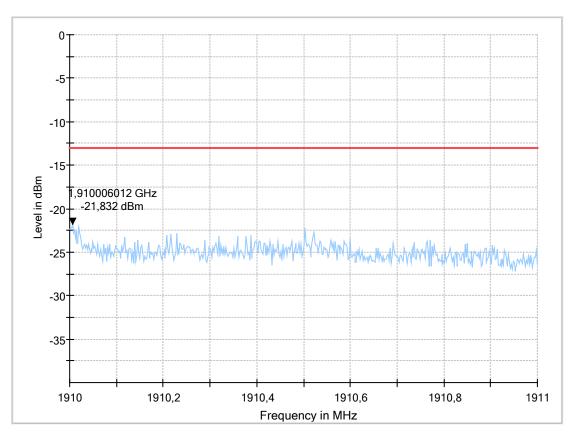
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 9.21b\_BE\_R\_ Ch9538\_RMC\_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: RSS\_130 Issue1

Operating Mode: UE allocated channel 9538

Exclusionband:

Environmental Conditions: Humidity: 40%rH; Temperature: 20°C

Operator: Mah

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

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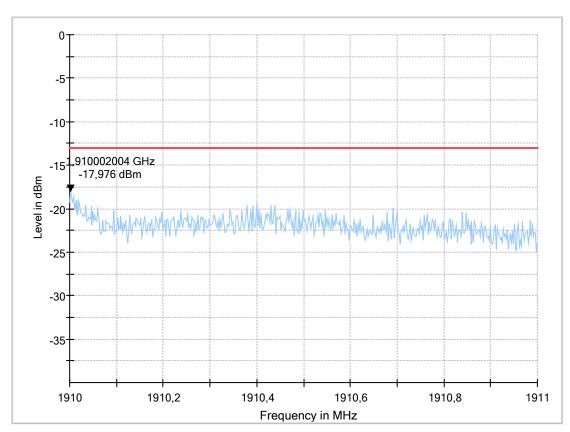
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



### 1.7. Radiated emissions on FDD Band V band-edge 9.50\_BE\_R\_ Ch4132\_RMC\_Laying

### **Common Information**

Test Description: Band-Edge low - Radiated Spurious Emissions UMTS FDDV

Test Site Location:

CETECOM GmbH Essen

Fully Anechoic Room (FAR)

Test Standard:

Operating Mode:

CETECOM GmbH Essen

Fully Anechoic Room (FAR)

FCC Part 22.917(a)

UE allocated channel 4132

Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: Mah Remarks: laying

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

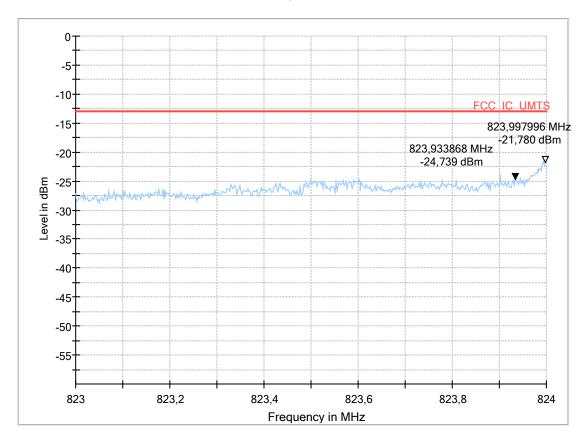
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 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:

Operating Mode:

CETECOM GmbH Essen

Fully Anechoic Room (FAR)

FCC Part 22.917(a)

UE allocated channel 4132

Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe Remarks: standing

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

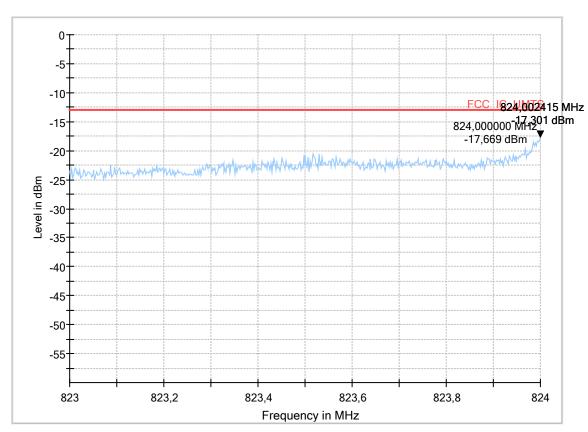
 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 9.51\_BE\_R\_ Ch4233\_RMC

### **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:

Operating Mode:

CETECOM GmbH Essen

Fully Anechoic Room (FAR)

FCC Part 22.917(a)

UE allocated channel 4233

Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: MBe Remarks: standing

### **EUT Information**

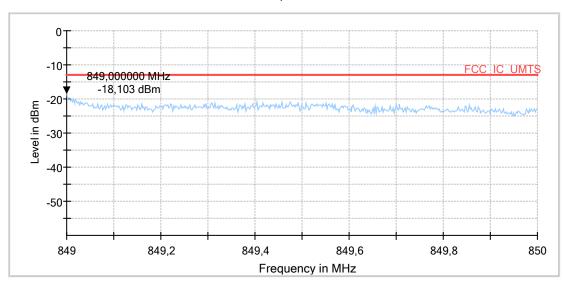
Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

HW Version: 6797G04 SW Version: 16.099.2

Serial Number: 2830006236
Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC



# 9.51\_BE\_R\_ Ch4233\_RMC\_Laying

### **Common Information**

Test Description: Band-Edge high - Radiated Spurious Emissions UMTS FDDV

Test Site Location:

CETECOM GmbH Essen

Test Site:

Fully Anechoic Room (FAR)

Test Standard:

Operating Mode:

CETECOM GmbH Essen

Fully Anechoic Room (FAR)

FCC Part 22.917(a)

UE allocated channel 4233

Environmental Conditions: Humidity: 34%rH; Temperature: 19°C

Operator: Mah Remarks: laying

### **EUT Information**

Manufacturer: Robert Bosch Car Multimedia GmbH

EuT: ECU cTP \_DIN

 HW Version:
 6797G04

 SW Version:
 16.099.2

 Serial Number:
 2830006236

Connected Interfaces: Main wiring + SFTP 920 151 014 + side mirror GPS antenna

Power Supply: 24 V DC

