

Annex 1: Measurement diagrams to
TEST REPORT
No.: 18-1-0248301T05a

According to:
CFR Title 47, Part 15, Subpart B
§15.109

ISED-Regulations
RSS-Gen, Issue 5
ICES-003, Issue 6

for

Robert Bosch Car Multimedia GmbH

AIVIV10
Multimedia device with Bluetooth and WLAN

FCC ID: YBN-AIVIV10
ISED: 9595A-AIVIV10



Laboratory Accreditation and Listings
<div style="text-align: center;"><div style="display: inline-block; vertical-align: middle; margin-left: 10px;"><small>Deutsche Akkreditierungsstelle D-PL-12047-01-01 D-PL-12047-01-03 D-PL-12047-01-04</small></div></div>
accredited according to DIN EN ISO/IEC 17025
<p style="text-align: center;">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</p>
Laboratory Accreditation and Listings

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1. Measurement diagrams

1.1. General Limit - Radiated field strength emissions, 30 MHz - 1 GHz

3.01_FCC15B_laying

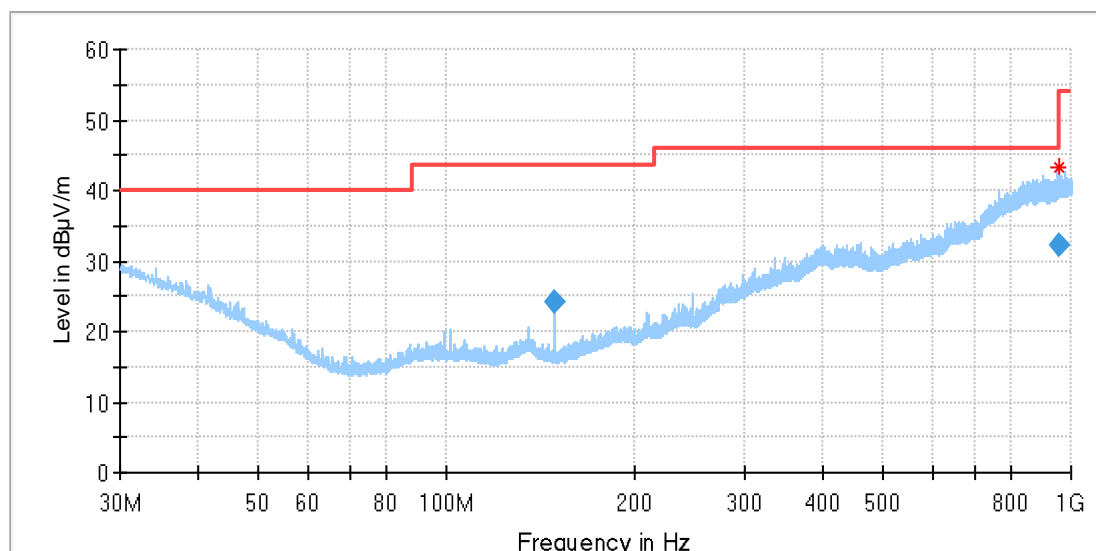
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.109; ICES-003, Issue 6
Operator:	Mah
Operating Mode:	GNSS + CAN
Power during tests:	13.5V DC
Environmental Conditions.:	Humidity : 64.8%rH; Temperature: 24.3°C
EUT Setup:	Laying
Verdict:	Passed

EUT Information

PMT number:	18-1-02483S03
Manufacturer:	Robert Bosch Car Multimedia GmbH
Product:	Multimedia device with Bluetooth and WLAN
Model:	AIVIV10
HW version:	tbd
SW version:	tbd
Serial number:	0005041
Connected Interfaces:	
Power Supply:	
Date received:	29.04.2019
Comments:	Normal Mode

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
148.500000	24.29	43.50	19.21	120.000	105.0	V	184.0	8.6
953.156000	32.24	46.00	13.76	120.000	295.0	H	0.0	27.5

3.02_FCC15B_standing

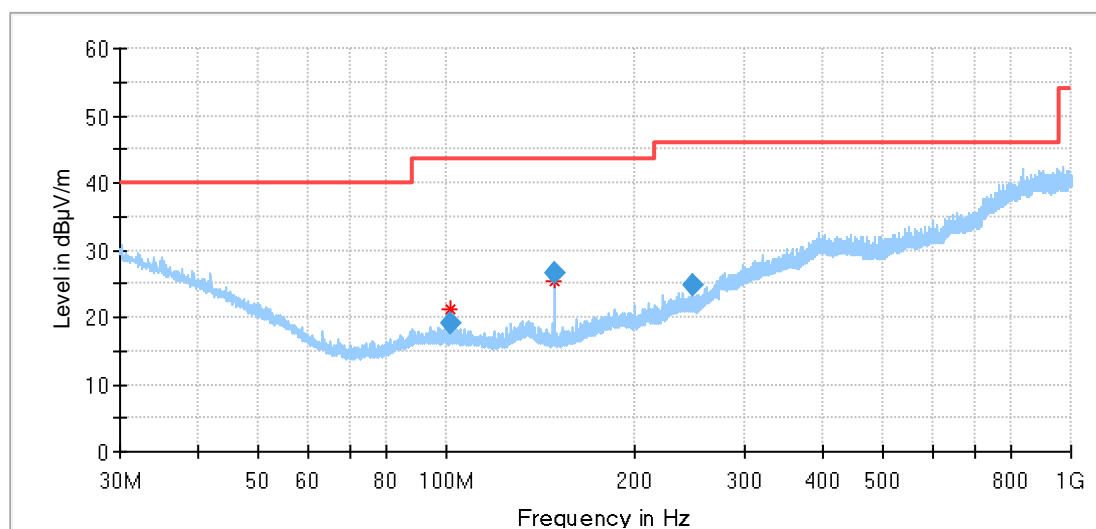
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.109; ICES-003, Issue 6
Operator:	Mah
Operating Mode:	GNSS + CAN
Power during tests:	13.5V DC
Environmental Conditions.:	Humidity : 64.8%rH; Temperature: 24.3°C
EUT Setup:	Standing
Verdict:	Passed

EUT Information

PMT number:	18-1-02483S03
Manufacturer:	Robert Bosch Car Multimedia GmbH
Product:	Multimedia device with Bluetooth and WLAN
Model:	AIVIV10
HW version:	tbd
SW version:	tbd
Serial number:	0005041
Connected Interfaces:	
Power Supply:	
Date received:	29.04.2019
Comments:	Normal Mode

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
101.310000	19.01	43.50	24.49	120.000	138.0	V	245.0	8.1
148.500000	26.60	43.50	16.90	120.000	109.0	V	202.0	8.6
247.500000	24.70	46.00	21.30	120.000	144.0	H	147.0	13.1

1.2. General Limit - Radiated field strength emissions, above 1 GHz – 16 GHz

4.01_GNSS+CAN

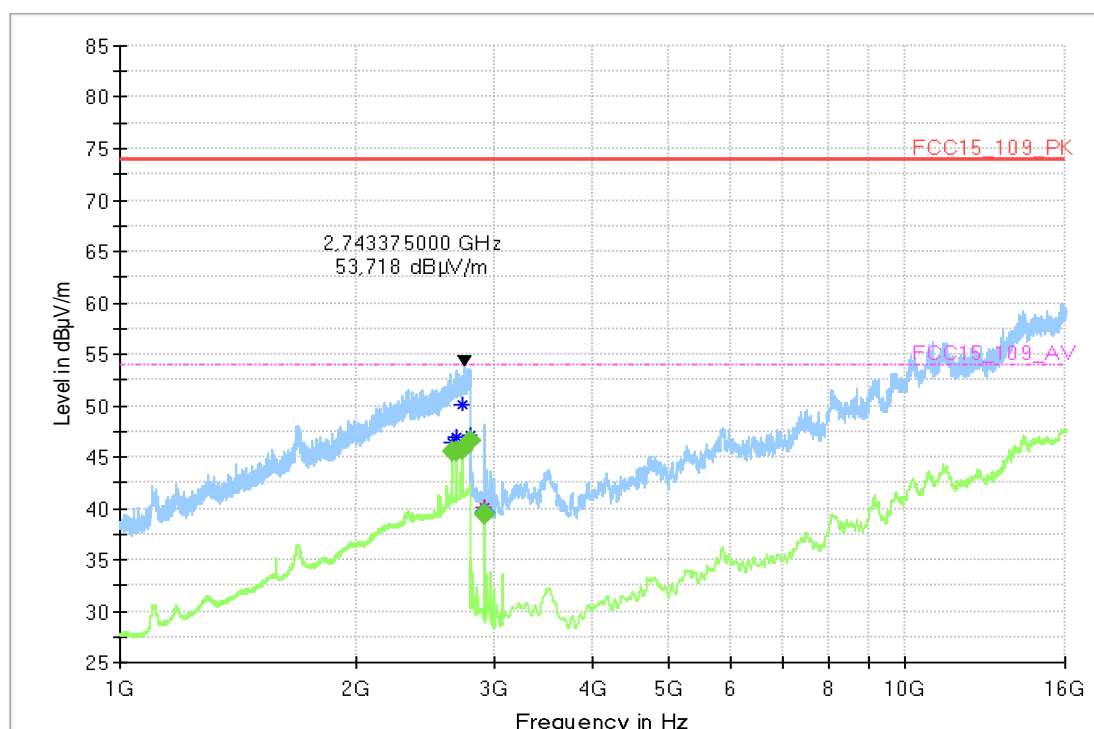
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.109; ICES-003, Issue 6
Antenna polarisation:	horizontal/vertical
Operating Mode:	CAN-Traffic_GNSS
Operator:	Mah/TFa
Environmental Conditions::	Humidity : 56%rH; Temperature: 21°C
Verdict:	Passed

EUT Information

PMT number:	18-1-02483S03
Manufacturer:	Robert Bosch Car Multimedia GmbH
Product:	Multimedia device with Bluetooth and WLAN
Model:	AINIV10
HW version:	tbd
SW version:	tbd
Serial number:	0005041
Date received:	29.04.2019
Comments:	Normal Mode

Full Spectrum

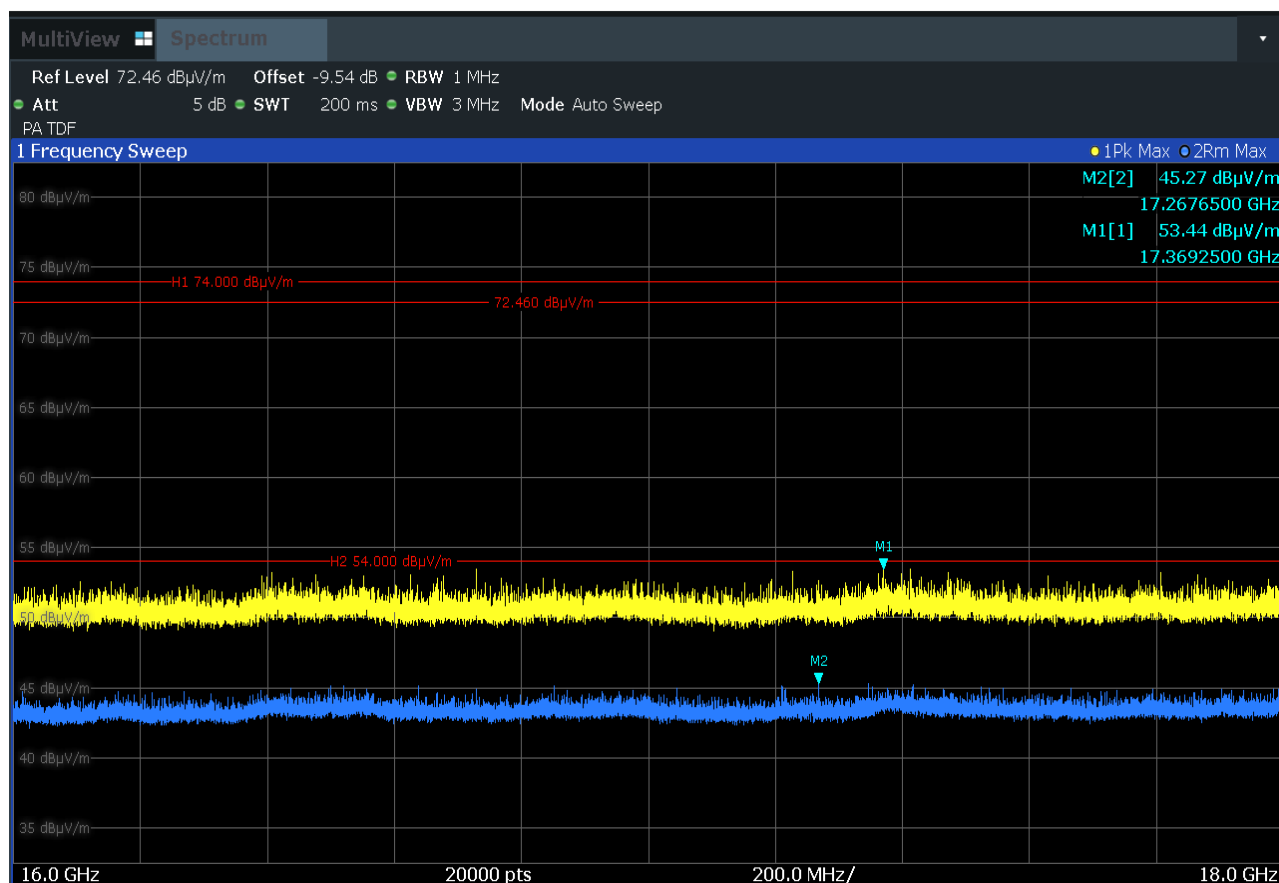


Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2648.228000	---	54.00	8.43	100.0	1000.000	H	107.0	90.0	38
2688.713000	---	54.00	8.43	100.0	1000.000	V	278.0	0.0	38
2728.329000	---	54.00	8.25	100.0	1000.000	V	302.0	90.0	38
2790.002000	---	54.00	7.47	100.0	1000.000	V	93.0	0.0	39
2910.326333	39.53	74.00	34.47	100.0	1000.000	V	182.0	0.0	1
2913.864000	---	54.00	14.60	100.0	1000.000	V	155.0	0.0	1

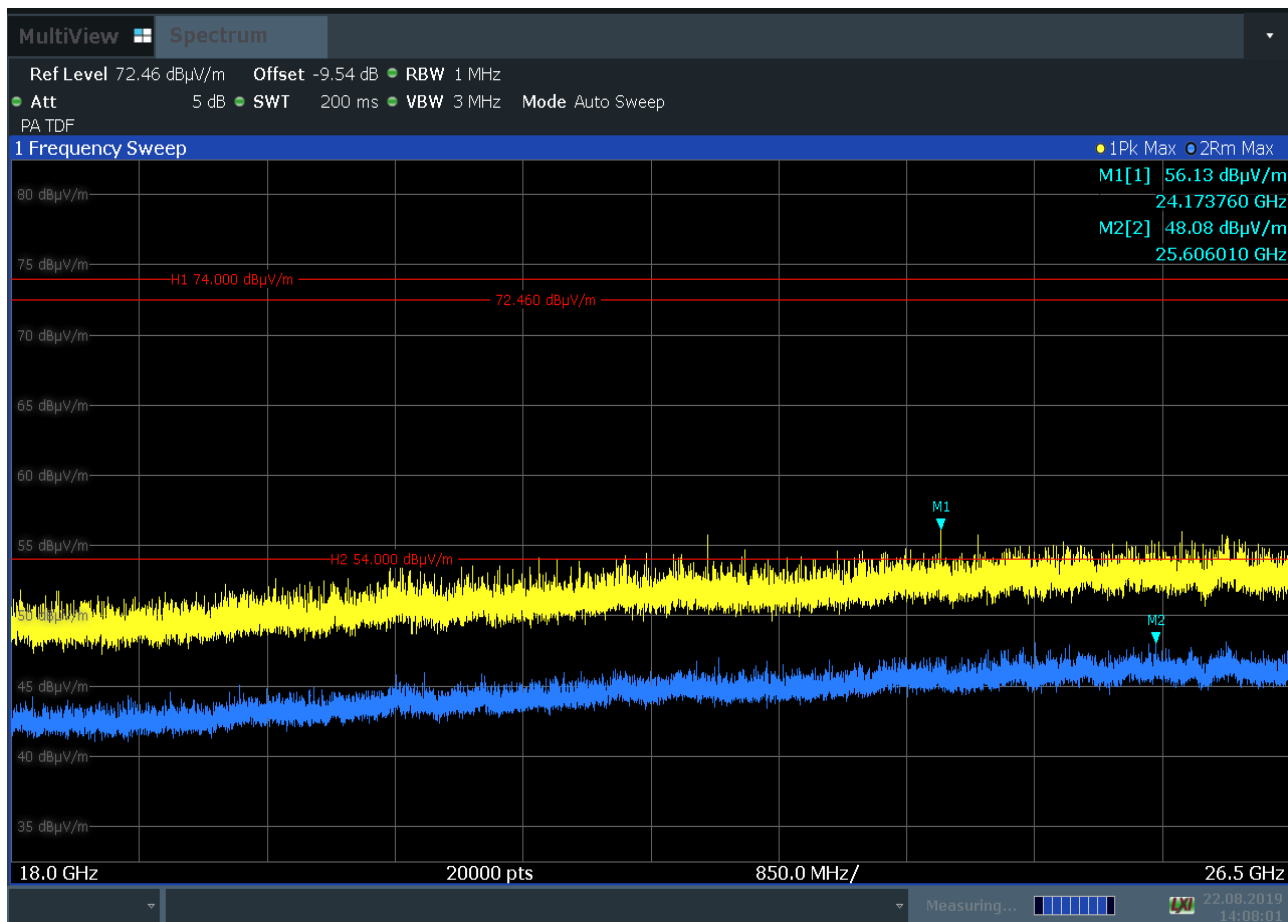
1.3. General Limit - Radiated field strength emissions, above 16 GHz – 18 GHz

4.02_GNSS+CAN



1.4. General Limit - Radiated field strength emissions, above 18 GHz – 26 GHz

4.03_GNSS+CAN



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