

Annex 1: Measurement diagrams

1-0307-25-01-02_TR1-A202-R01

Number of pages:	6	Date of Report:	2025-Oct-02
Testing company:	cetecom advanced GmbH Untertuerkheimer Str. 6-10 66117 Saarbruecken GERMANY	Applicant:	Schmitz Cargobull AG
Product:	Telematic Device		
Model:	CTU-Pro		
FCC ID:	2BBVQ-CTUPRO	IC:	--
		PMN:	--
		HVIN	--
Testing has been carried out in accordance with:	FCC Regulations Title 47 CFR, Chapter I, Subchapter A Part 15, Subpart C Intentional Radiators § 15.209 Radiated emission limits; general requirements Title 47 CFR, Chapter I, Subchapter B Part 22, Subpart H Cellular Radiotelephone Service Part 24, Subpart E Paging and Radiotelephone Service		

Measurement diagrams

1 Radiated field strength emissions below 30 MHz

2.850_H_field_GSM_850

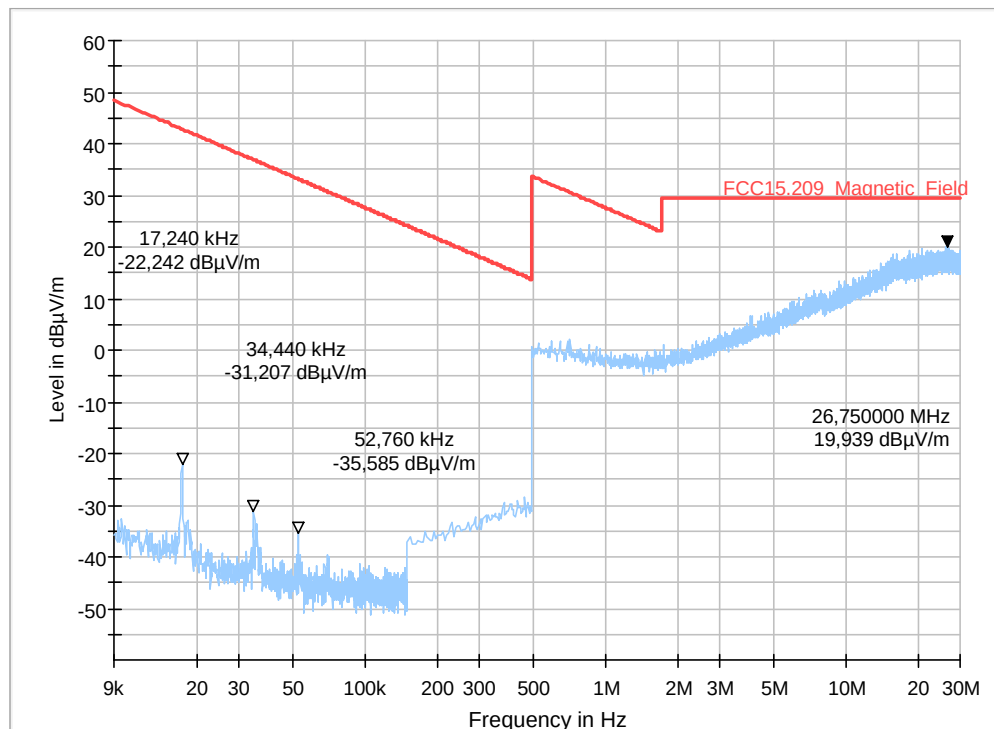
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.60.20
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 Standard:	FCC 15.205 § 15.209
Operator:	leic
Operating Mode:	GSM850, ch189
Comment 2:	lying
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

Sample:	36.472
Power supply:	12 V DC

Full Spectrum



2.851_H_field_GSM_850

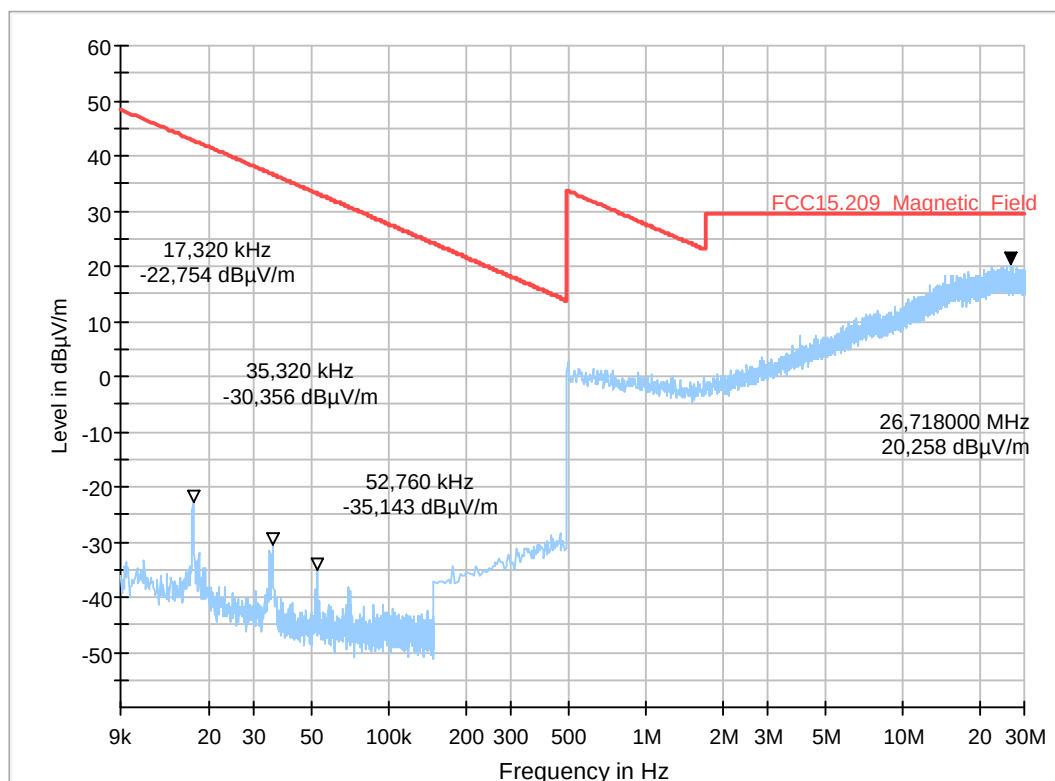
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.60.20
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 Standard:	FCC 15.205 § 15.209
Operator:	leic
Operating Mode:	GSM850, ch189
Comment 2:	standing
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

Sample:	36.472
Power supply:	12 V DC

Full Spectrum



2.1901_H_field_GSM_1900

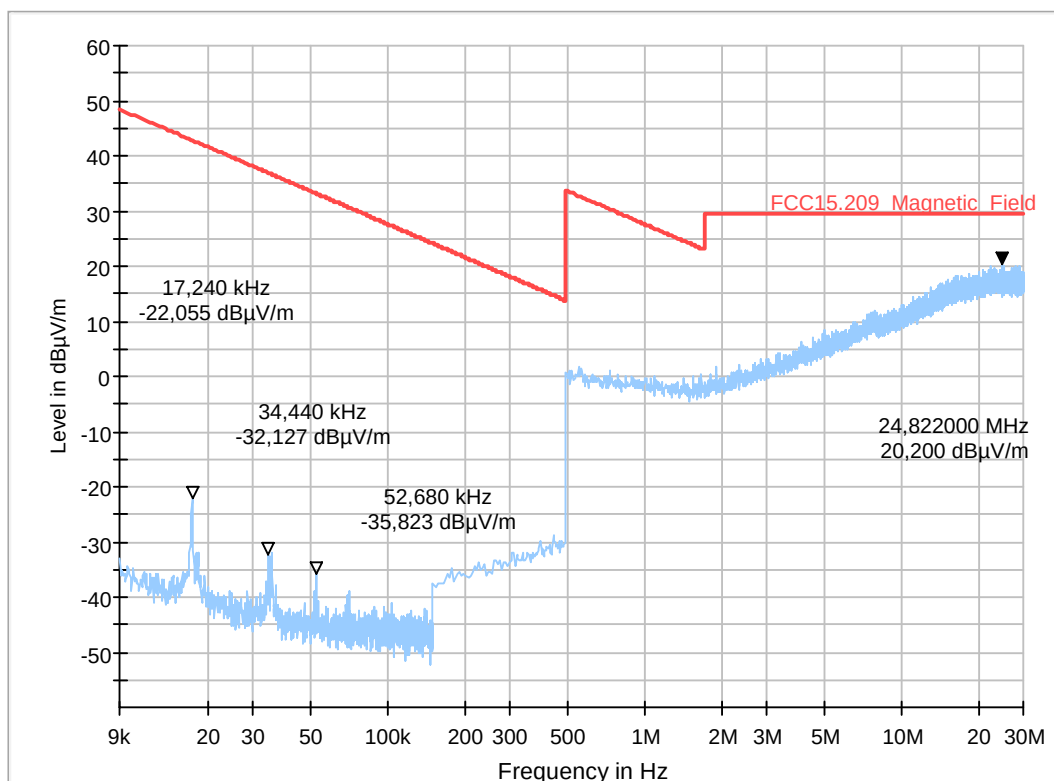
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test Site Location:	Ref.-Nr. 441 Semi Anechoic Chamber (SAC1) with 3 m measurement distance
Version of Testsoftware:	EMC32 V10.60.20
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 Standard:	FCC 15.205 § 15.209
Operator:	leic
Operating Mode:	GSM1900, ch661
Comment 2:	standing
Environmental Conditions:	Humidity: 50 % rH; Temperature: 22.8 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

Sample:	36.472
Power supply:	12 V DC

Full Spectrum



2 Radiated spurious emissions

8.01_Traffic_mode_GSM_850

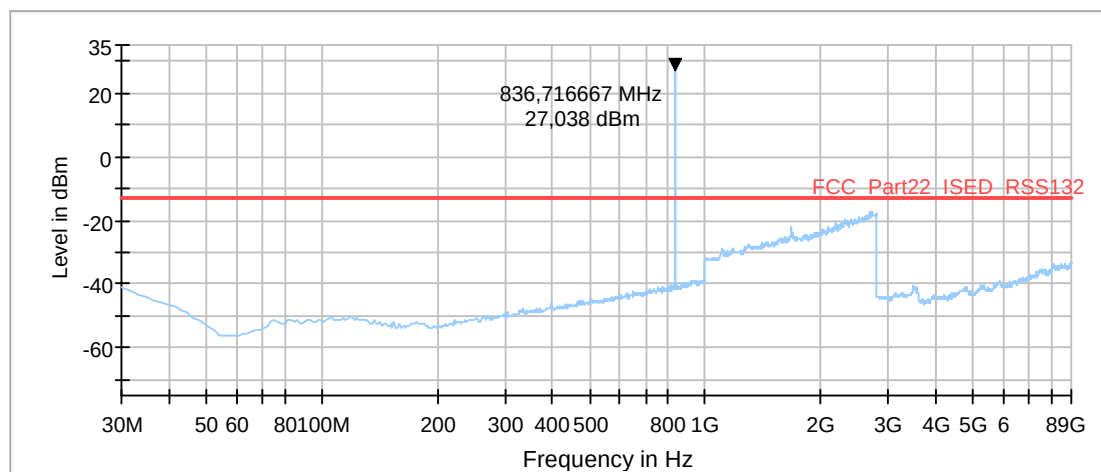
Common Information

Test Description:	Radiated emission
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 22
Antenna polarisation:	vertical / horizontal
Operating Mode:	GSM850 ch189
Operator:	TFra
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
Verdict:	Passed

EUT Information

Sample:	36.472
Power supply:	12 V DC

Full Spectrum



Remark: emission at 836 MHz is the uplink of GSM850 and not relevant to the limit

8.02_Traffic_mode_GSM_1900

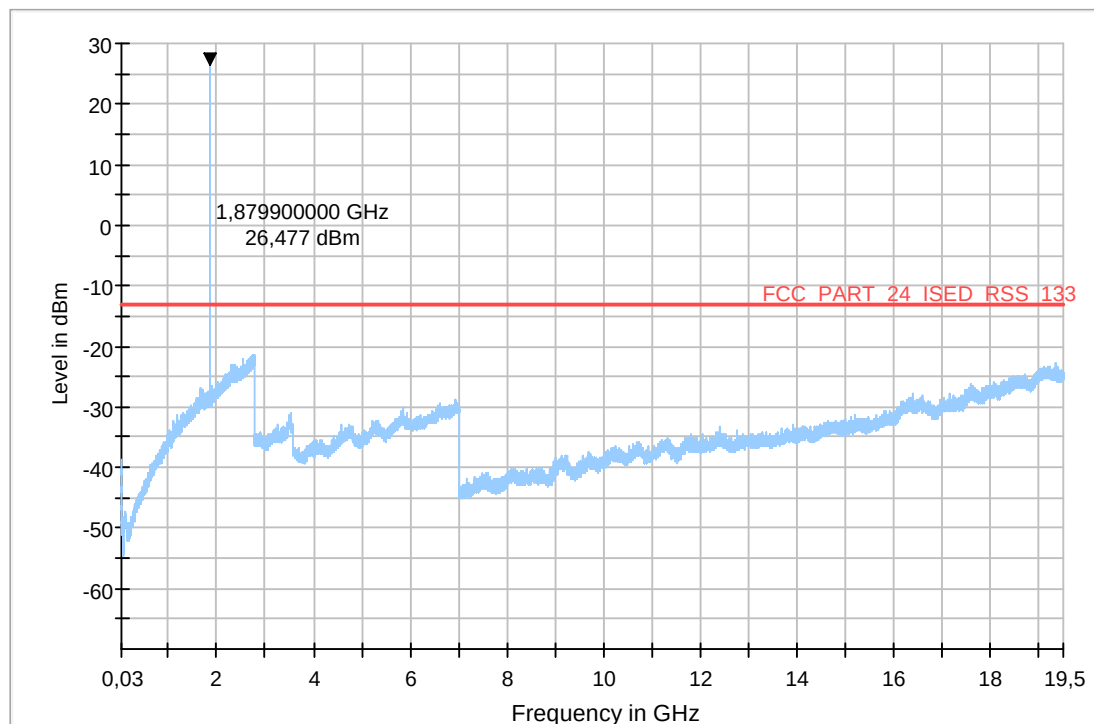
Common Information

Test Description:	Radiated emission
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 24
Antenna polarisation:	vertical / horizontal
Operating Mode:	GSM1900, ch661
Operator:	TFra/PShin
Environmental Conditions:	Humidity: 50% rH; Temperature: 20 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

Sample:	36.472
Power supply:	12 V DC

Full Spectrum



Remark: emission at 1879 MHz is the downlink of GSM1900 and not relevant to the limit

End Of Annex 1