Annex 1: Measurement diagrams
23-1-0014801T031_TR1-A201-R02

Number of pages:	170	**Date of Report:**	2024-Oct-21
Testing company:	cetecom advanced GmbH Untertuerkheimer Str. 6-10 66117 Saarbruecken GERMANY	**Applicant:**	VALEO Telematik und Akustik GmbH
Product:	**Antenna and Remote Telematics Integrated System**		
Model:	**ARTEMIS-NAR-01**		
FCC ID:	QWY-ARTEMIS-NAR01	**IC:**	6588A-ARTEMISNAR1
		PMN:	ARTEMIS-NAR-01
		HVIN:	ARTEMIS-NAR-01
		FVIN:	E20 R550

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
Part 27, Subpart C Miscellaneous Wireless Communications Services
Title 47 CFR, Chapter I, Subchapter D
Part 90, Subpart I, General technical standards; Subpart S Private Land Mobile Radio Services
ISED-Regulations, Radio Standards Specification
RSS-Gen, Issue 5
General Requirements for Compliance of Radio Apparatus
RSS-130, Issue 2
Equipment Operating in the Frequency Bands 617-652 MHz, 663-698 MHz, 698-756 MHz and 777-787 MHz
RSS-132, Issue 4
Cellular Telephone Systems Operating in the Bands 824-849 MHz and 869-894 MHz
RSS-133, Issue 7
2 GHz Personal Communications Services
RSS-139, Issue 4
Advanced Wireless Services Equipment Operating in the Bands 1710-1780 MHz and 2110-2200 MHz
RSS-140, Issue 1
Equipment Operating in the Public Safety Broadband Frequency Bands 758-768 MHz and 788-798 MHz
RSS-199, Issue 4
Broadband Radio Service (BRS) Equipment Operating in the Band 2500–2690 MHz

The test results relate only to the individual items which have been tested. This report shall not be reproduced in parts without the written approval of the testing laboratory © Copyright: All rights reserved by cetecom advanced GmbH

Measurement diagrams

EUT Information for all following tests:

PMT number:	23-1-00148S177_C01
Power:	12 V DC

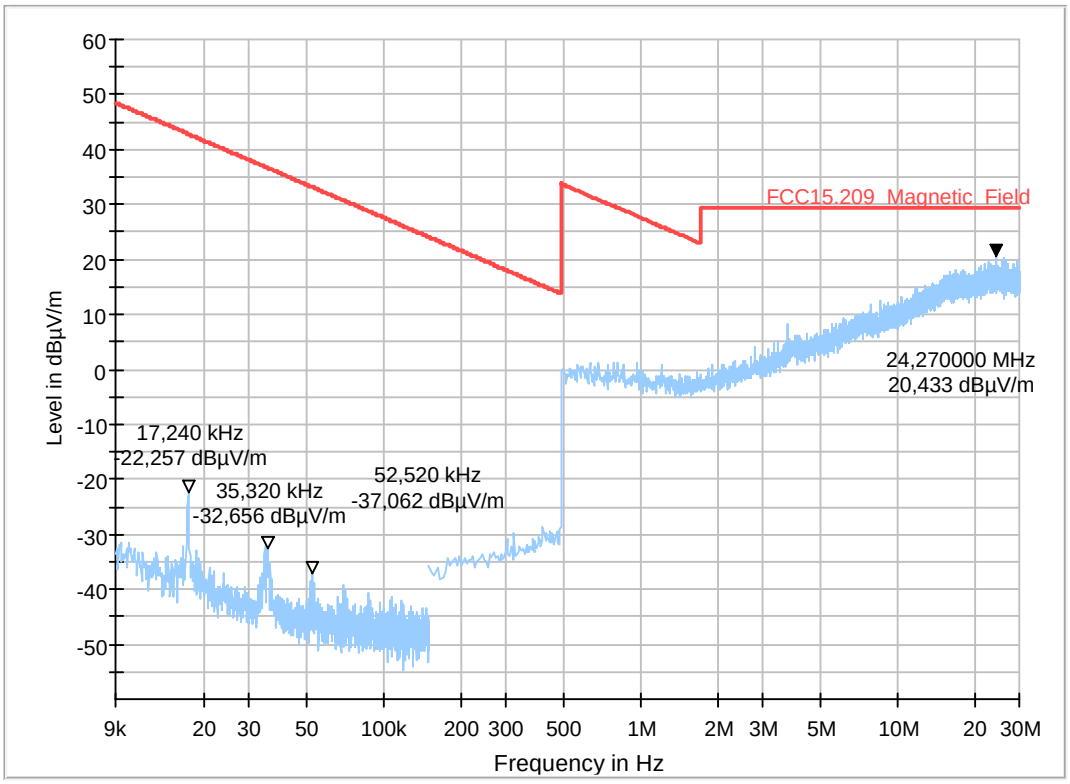
1.1 Magnetic field strength

2.201_H_field_LTE_FDD_B02_CH_18900_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Comment 1:	LTE_FDD_B02_CH_18900_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

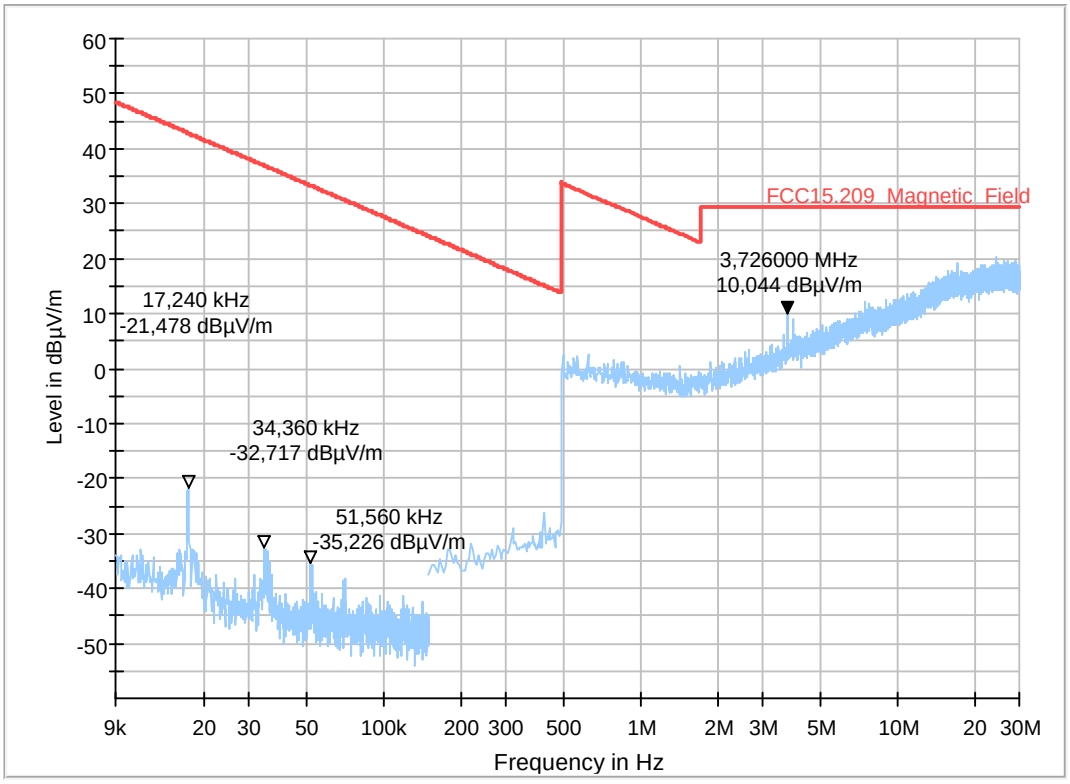


2.201_H_field_LTE_FDD_B02_CH_18900_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Comment 1:	H_field_LTE_FDD_B02_CH_18900_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

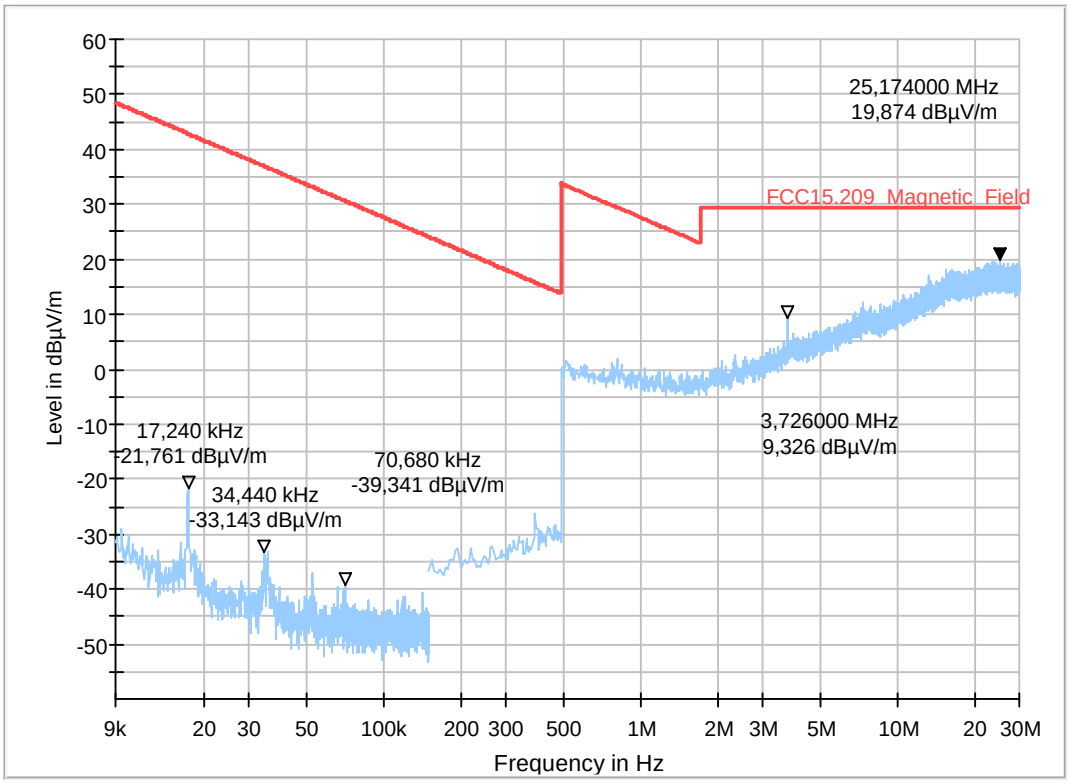


2.401_Traffic_mode_LTE_FDD_B04_CH_20350_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Comment 1:	LTE_FDD_B04_CH_20350_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

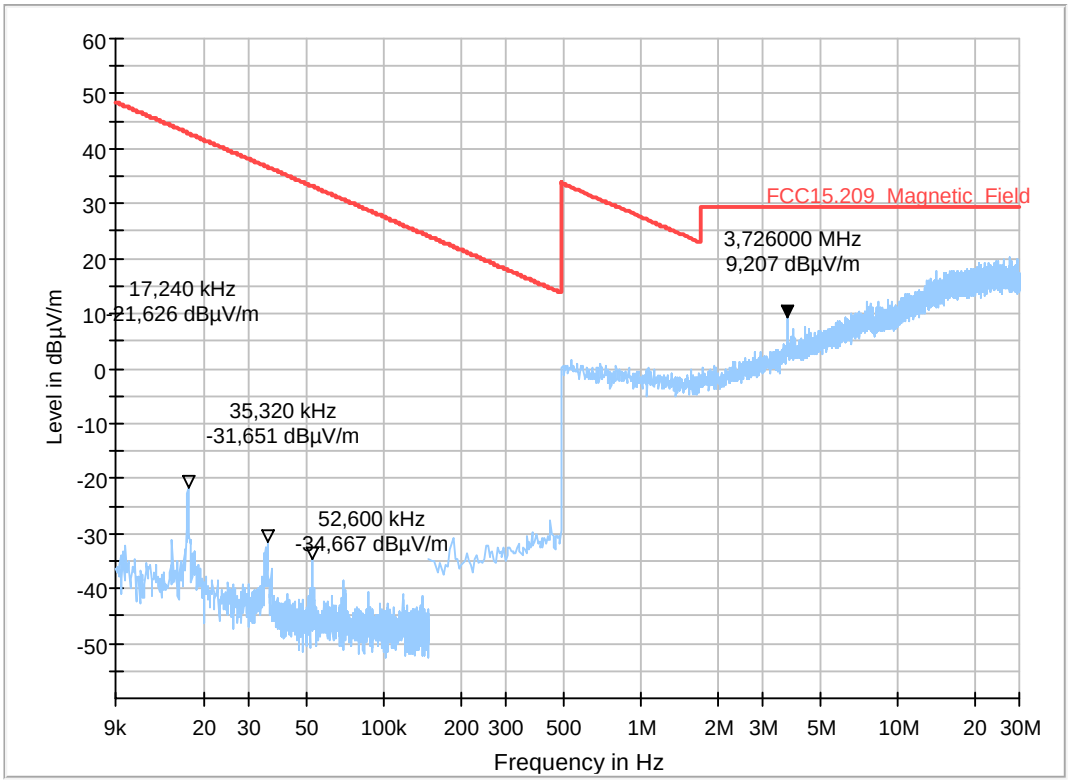


2.401_Traffic_mode_LTE_FDD_B04_CH_20350_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Comment 1:	Traffic_mode_LTE_FDD_B04_CH_20350_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

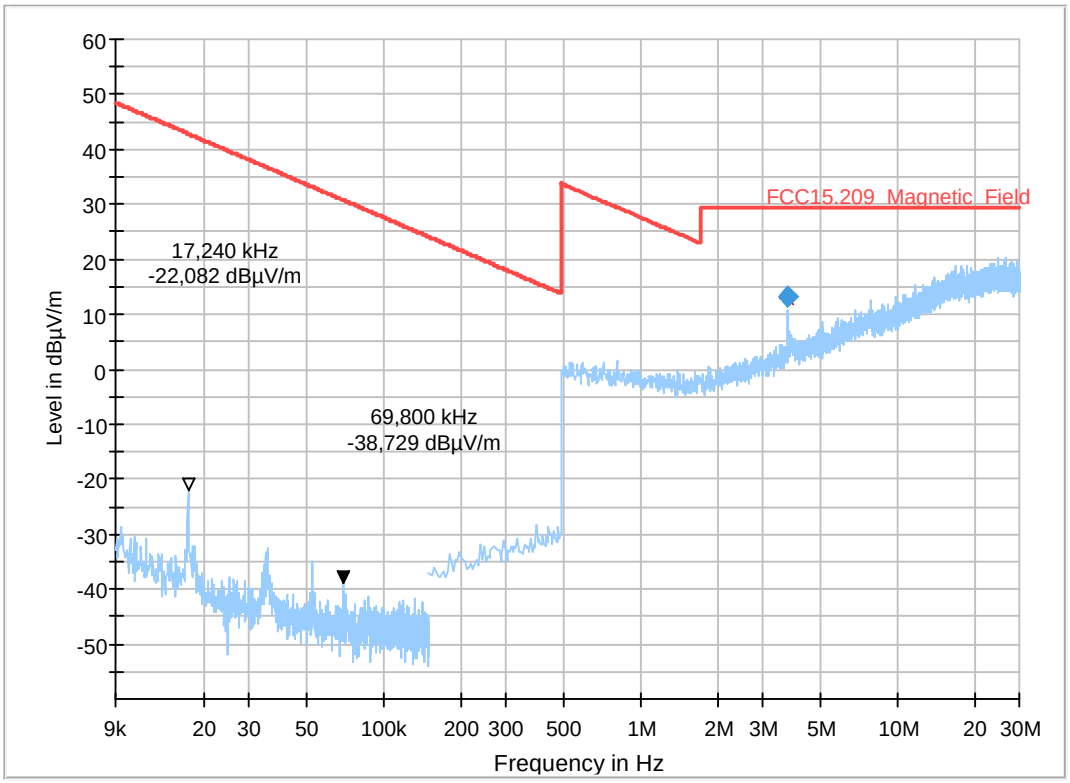


2.501_Traffic_mode_LTE_FDD_B05_CH_20600_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B05_CH_20600_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

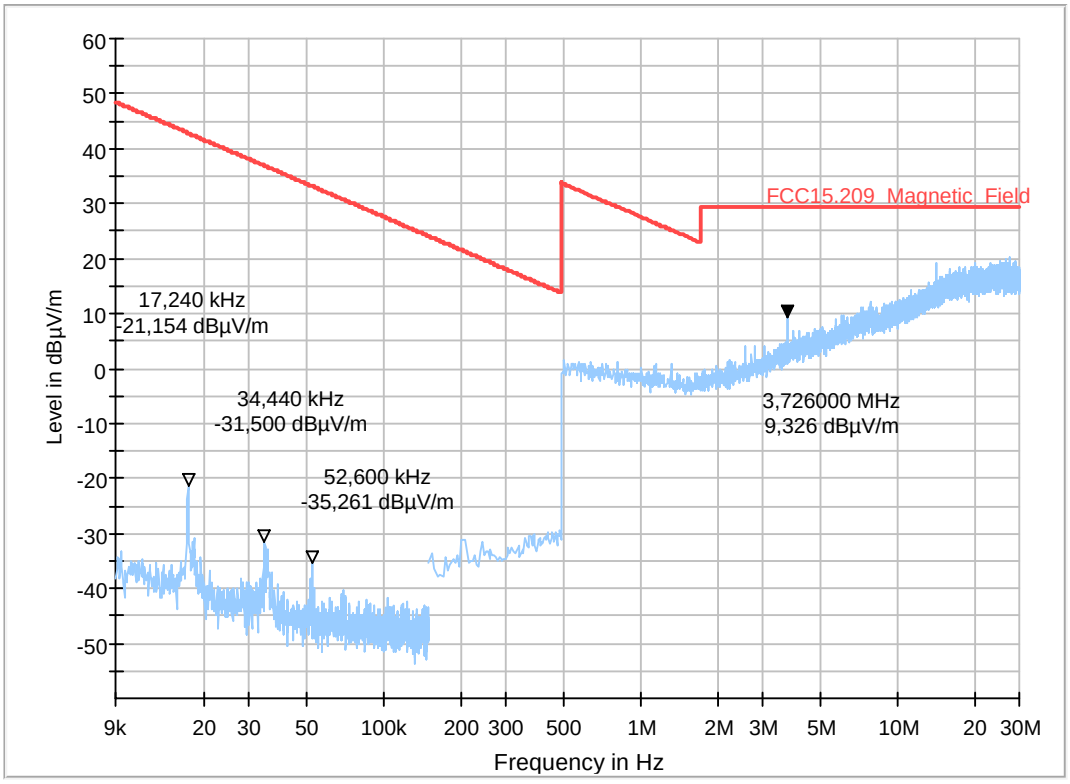


2.501_Traffic_mode_LTE_FDD_B05_CH_20600_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Operating Mode:	Traffic_mode_LTE_FDD_B05_CH_20600_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

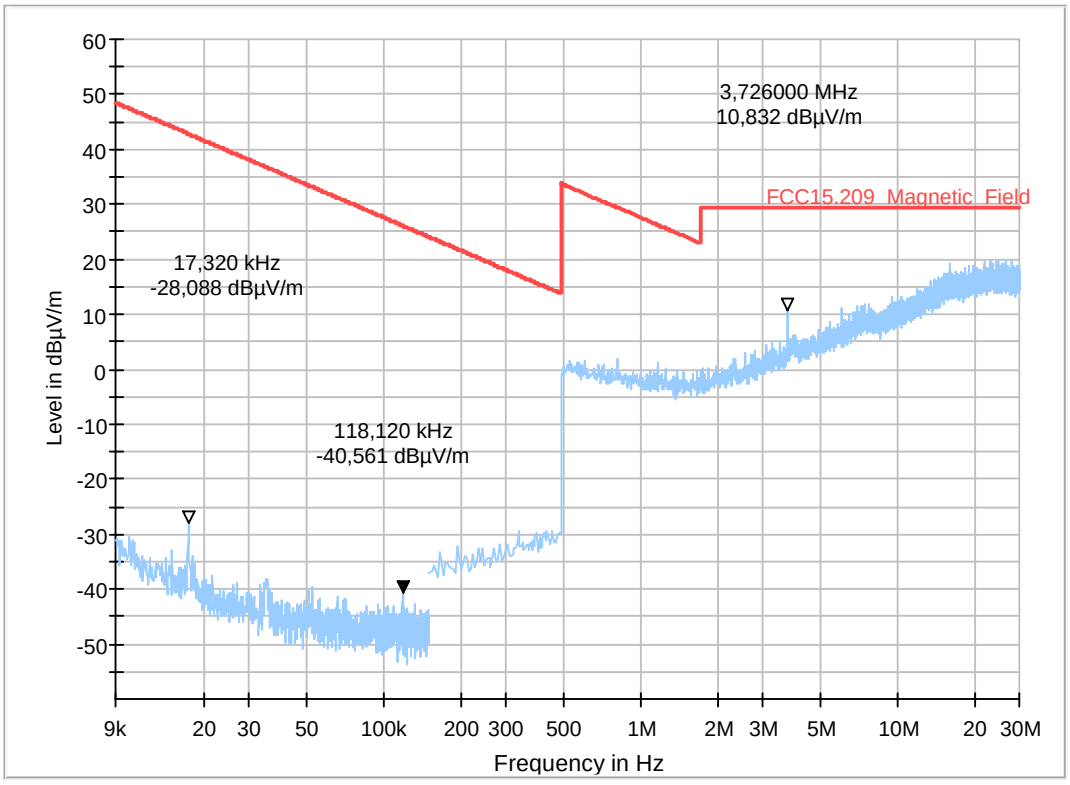


2.701_H_field_LTE_FDD_B07_CH_21100_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B07_CH_21100_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

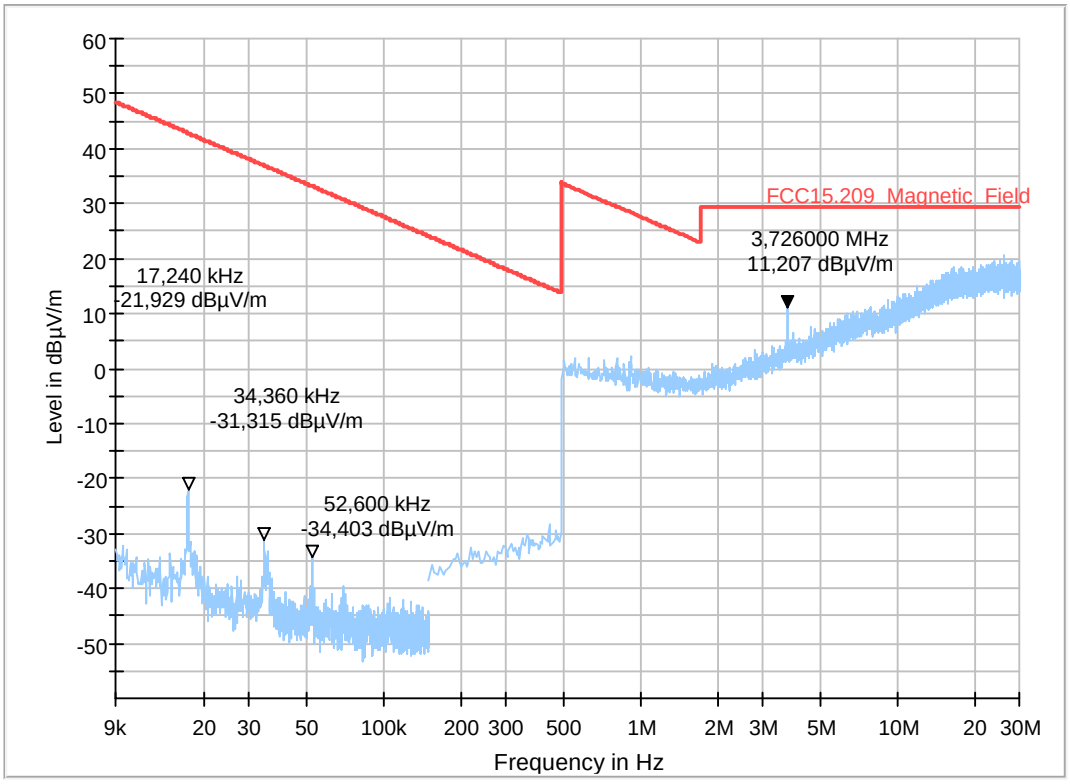


2.701_H_field_LTE_FDD_B07_CH_21100_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Operating Mode:	H_field_LTE_FDD_B07_CH_21100_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

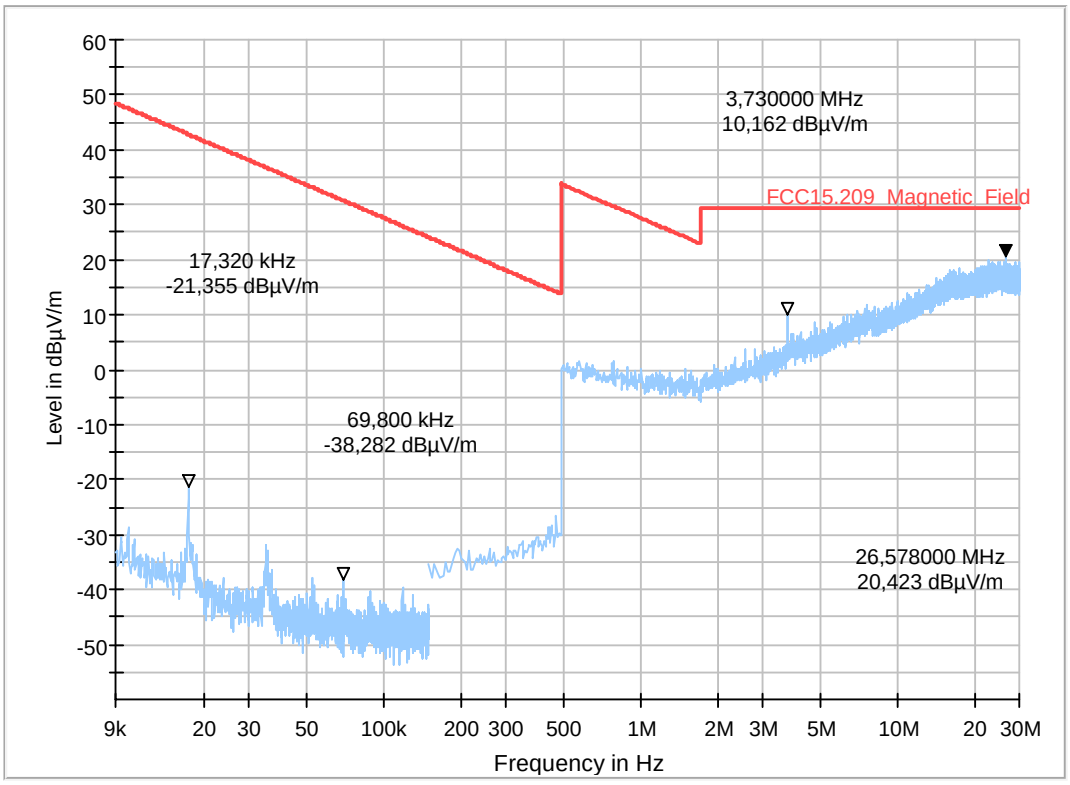


2.1201_H_field_LTE_FDD_B12_CH_23095_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B12_CH_23095_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

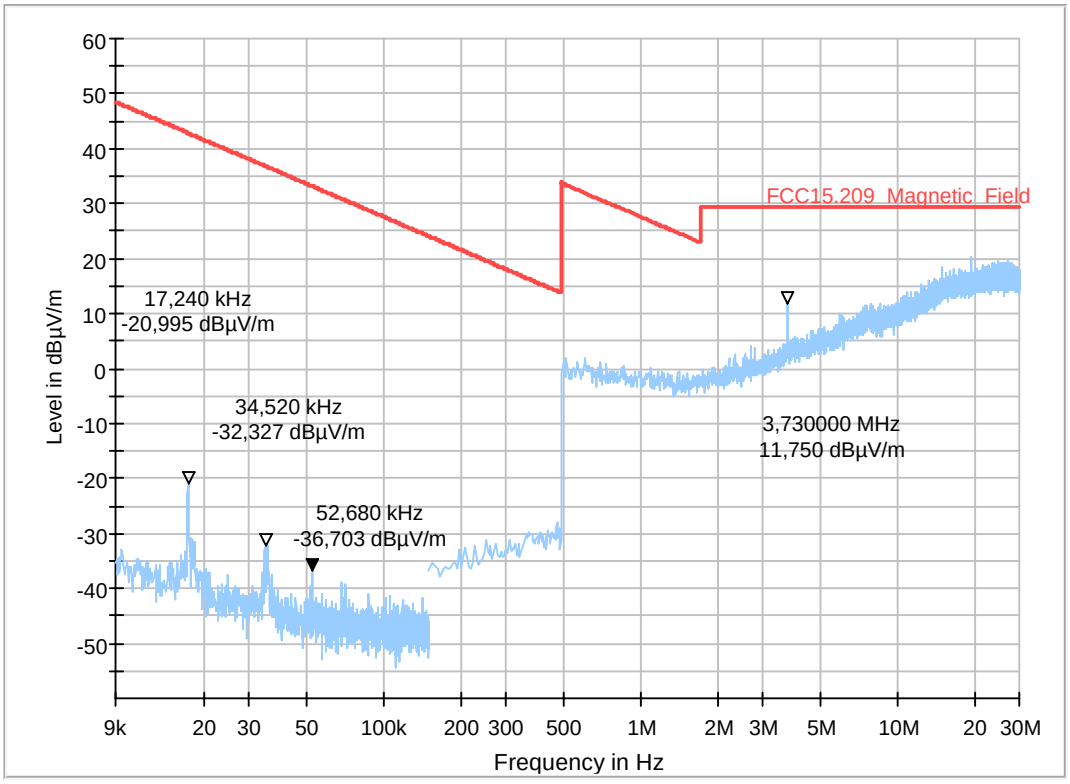


2.1201_H_field_LTE_FDD_B12_CH_23095_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Operating Mode:	LTE_FDD_B12_CH_23095_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

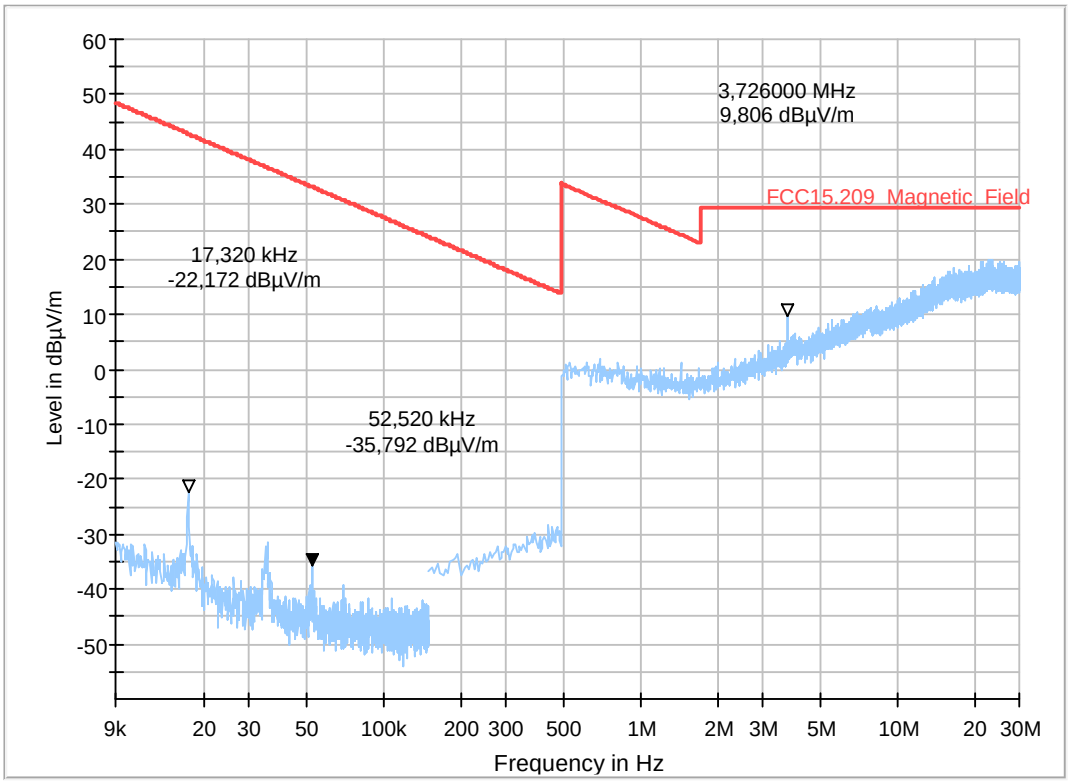


2.1301_H_field_LTE_FDD_B13_CH_23230_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B13_CH_23230_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

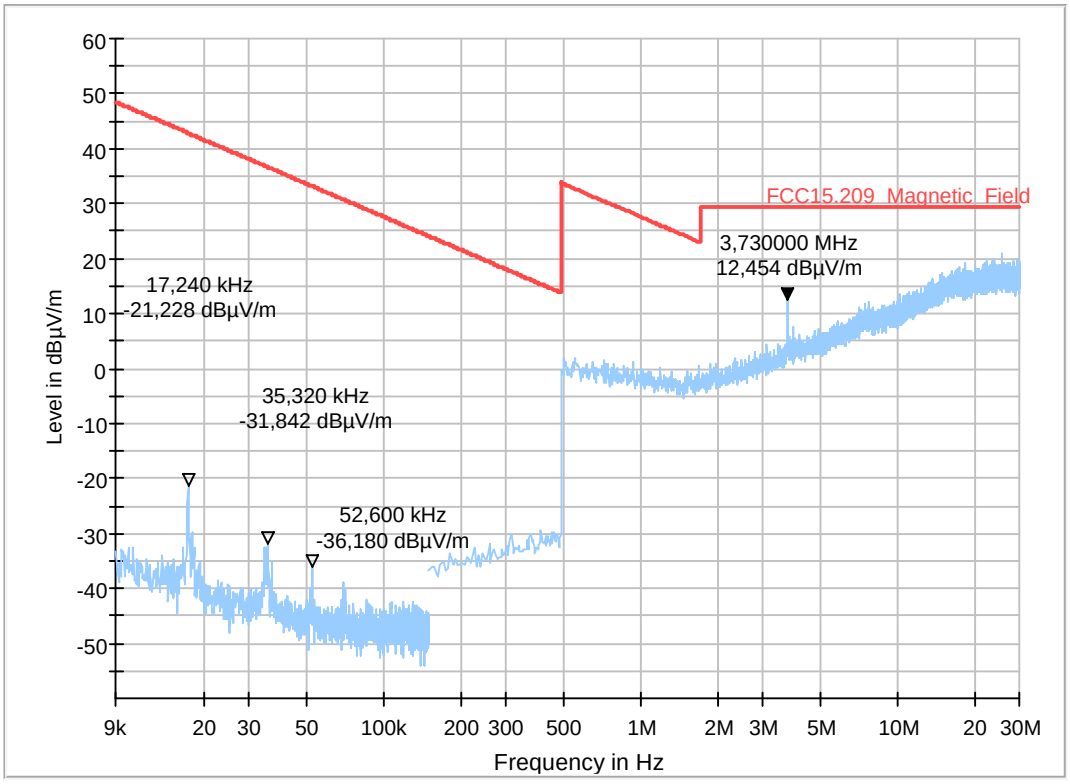


2.1301_H_field_LTE_FDD_B13_CH_23230_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Operating Mode:	LTE_FDD_B13_CH_23230_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

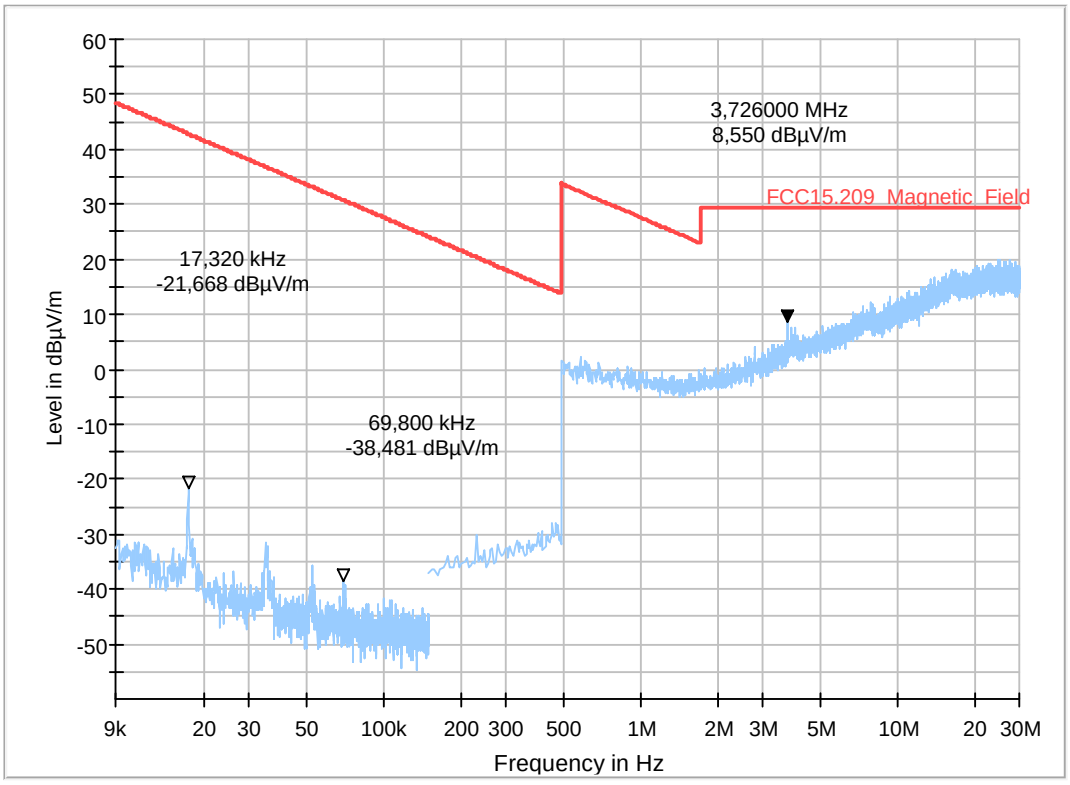


2.1401_H_field_LTE_FDD_B14_CH_23330_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B14_CH_23330_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

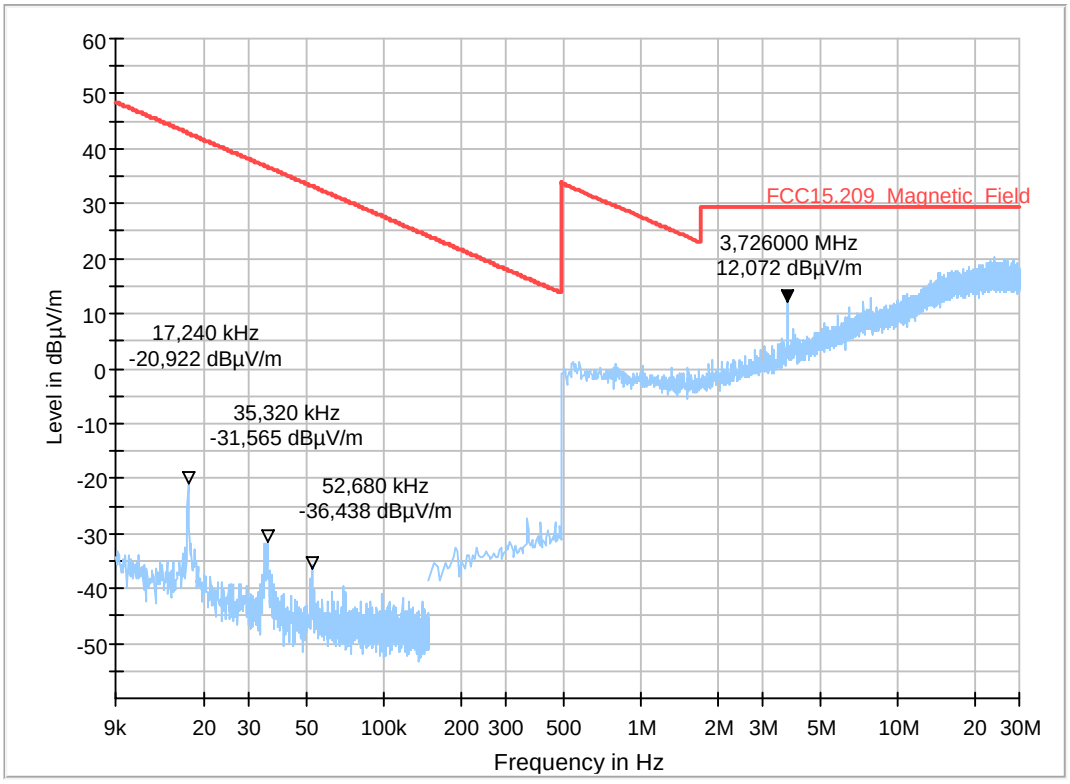


2.1401_H_field_LTE_FDD_B14_CH_23330_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Operating Mode:	LTE_FDD_B14_CH_23330_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

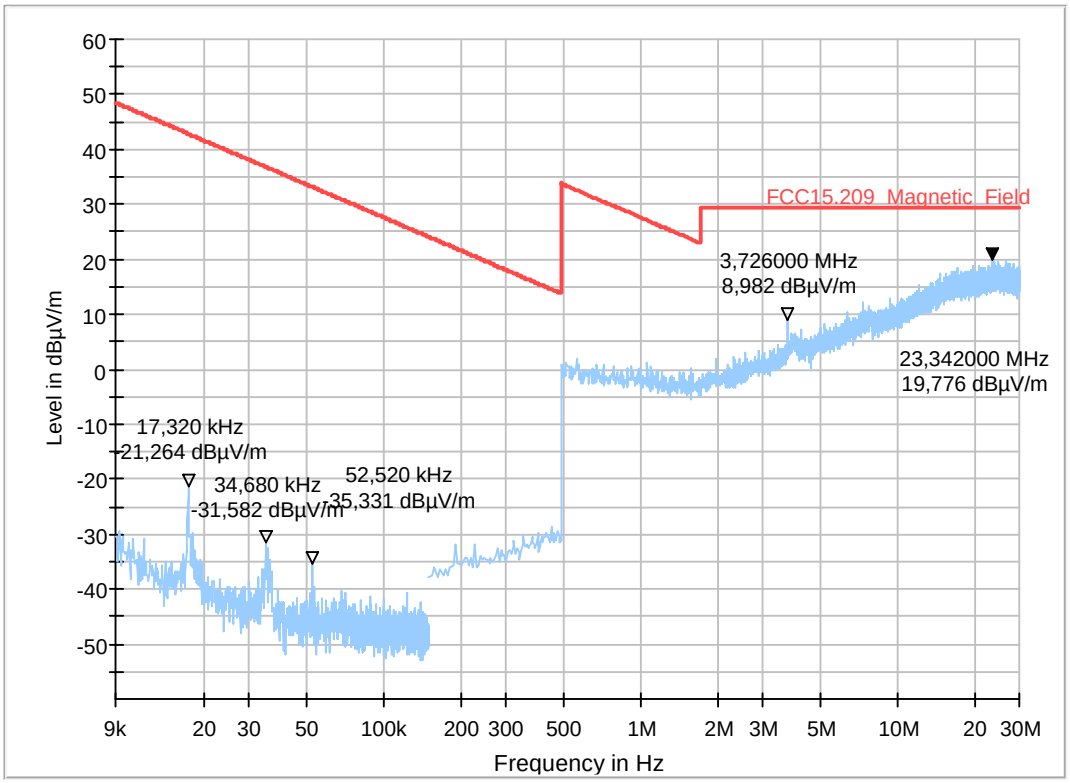


2.1701_H_field_LTE_FDD_B17_CH_23790_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B17_CH_23790_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

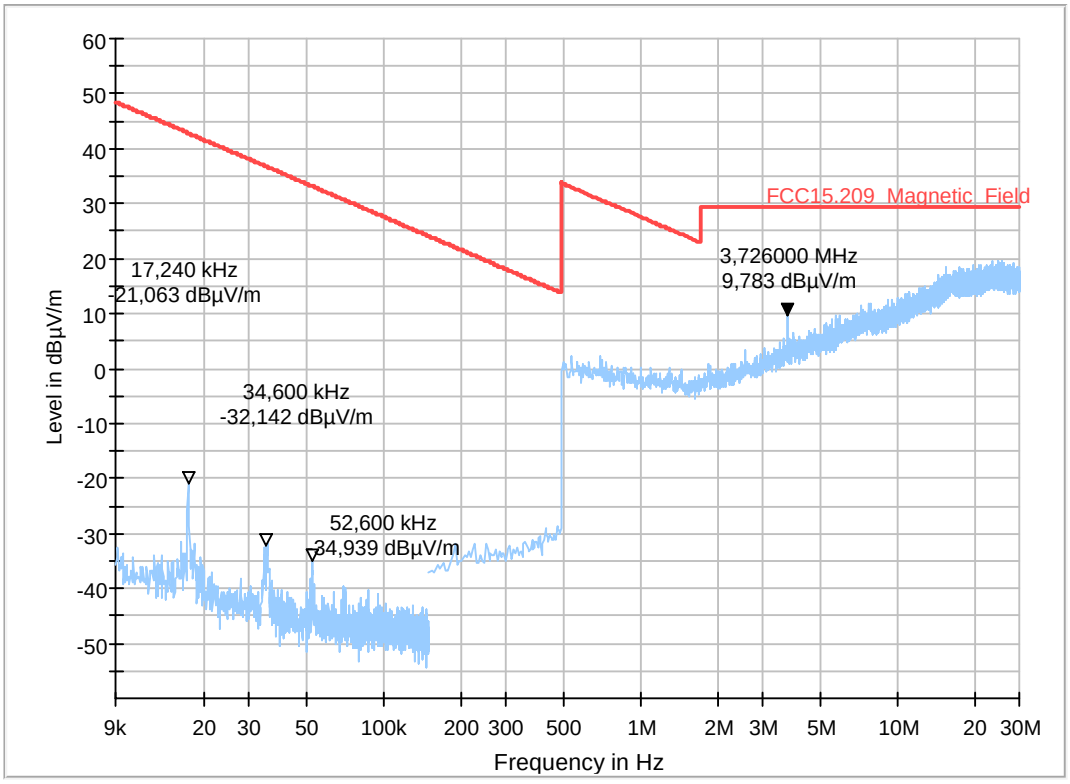


2.1701_H_field_LTE_FDD_B17_CH_23790_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Operating Mode:	LTE_FDD_B17_CH_23790_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

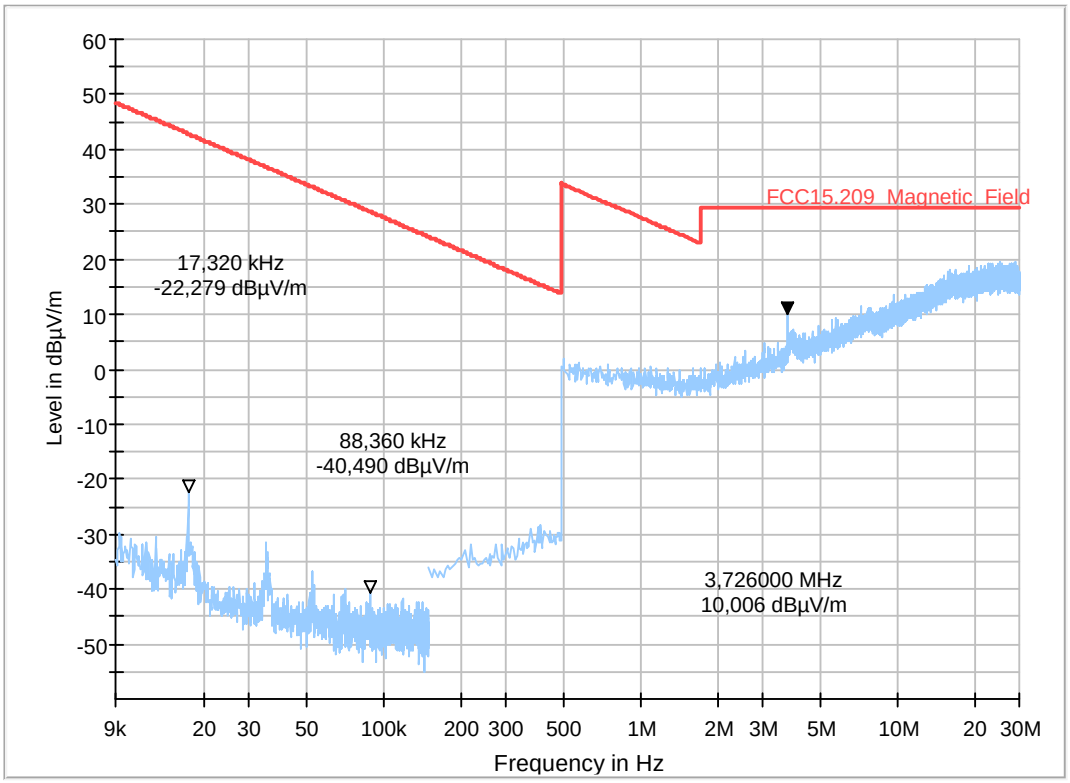


2.2501_H_field_LTE_FDD_B025_CH_26090_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B025_CH_26090_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

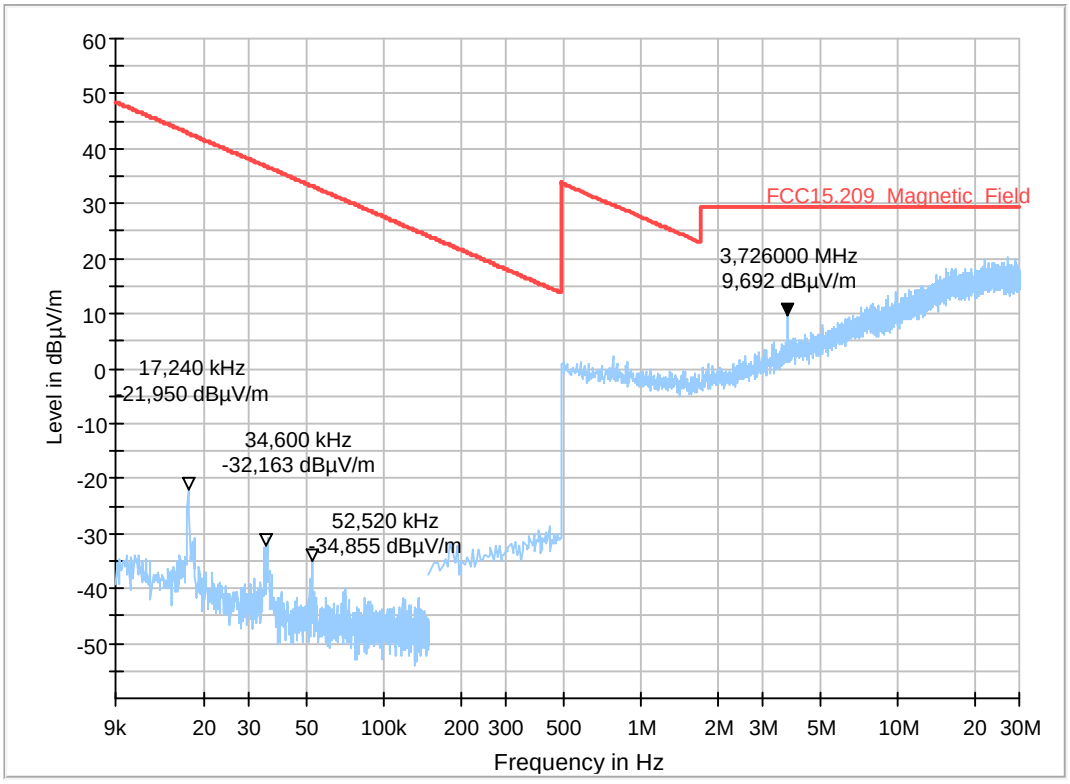


2.2501_H_field_LTE_FDD_B025_CH_26090_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Operating Mode:	LTE_FDD_B025_CH_26090_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

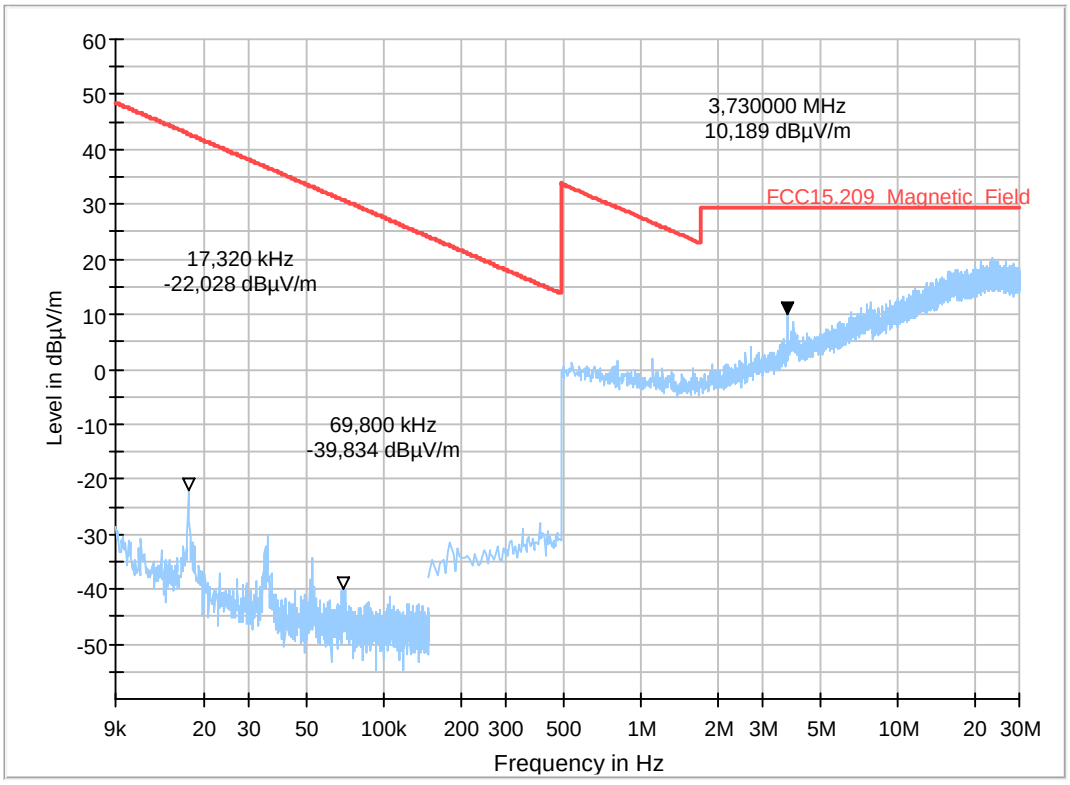


2.2601_H_field_LTE_FDD_B26_CH_26865_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B26_CH_26865_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

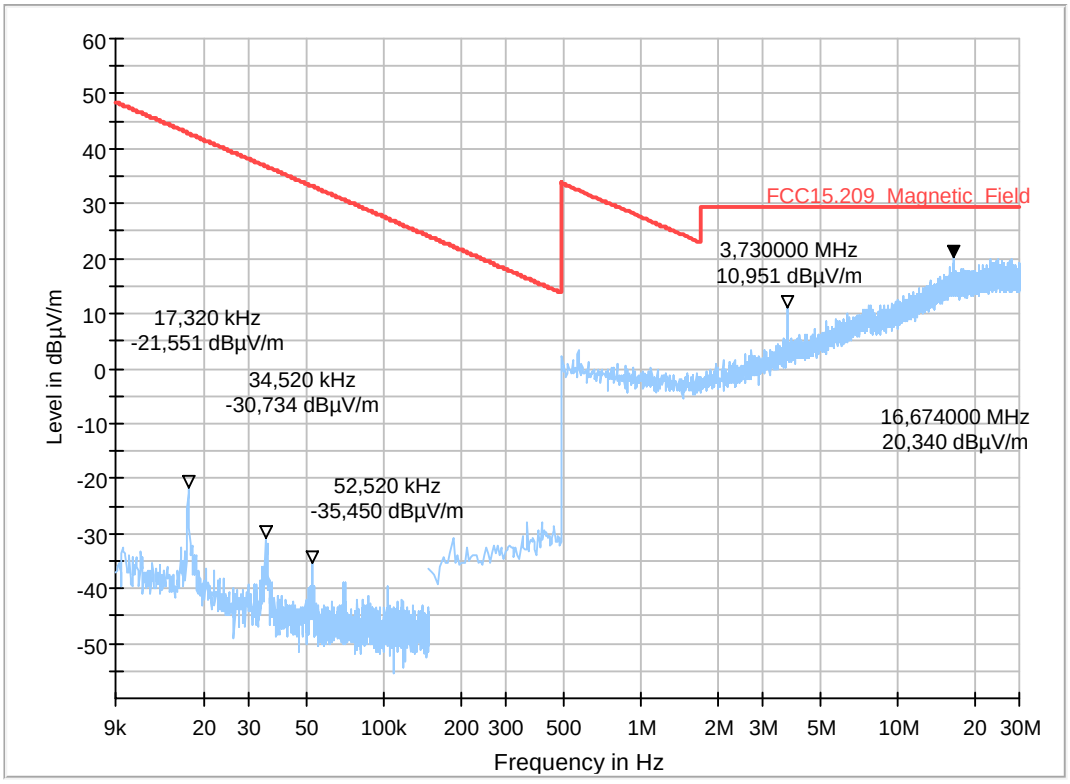


2.2601_H_field_LTE_FDD_B26_CH_26865_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Operating Mode:	LTE_FDD_B26_CH_26865_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

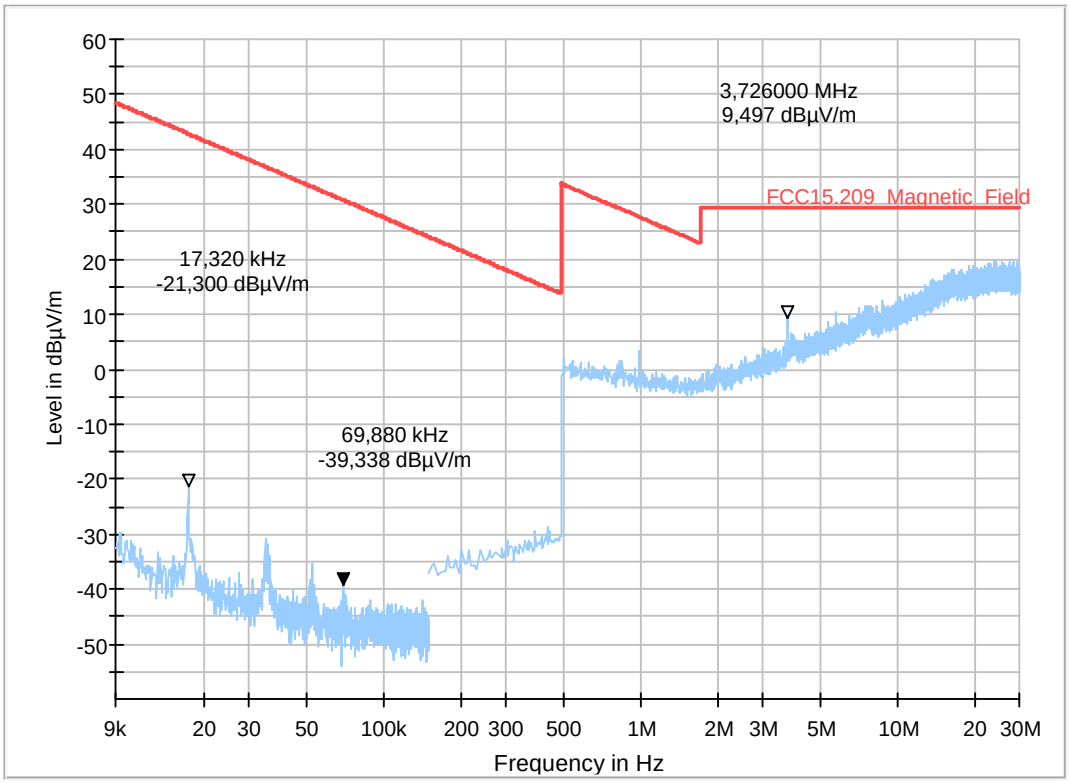


2.4101_H_field_LTE_TDD_B41_CH_41540_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_TDD_B41_CH_41540_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

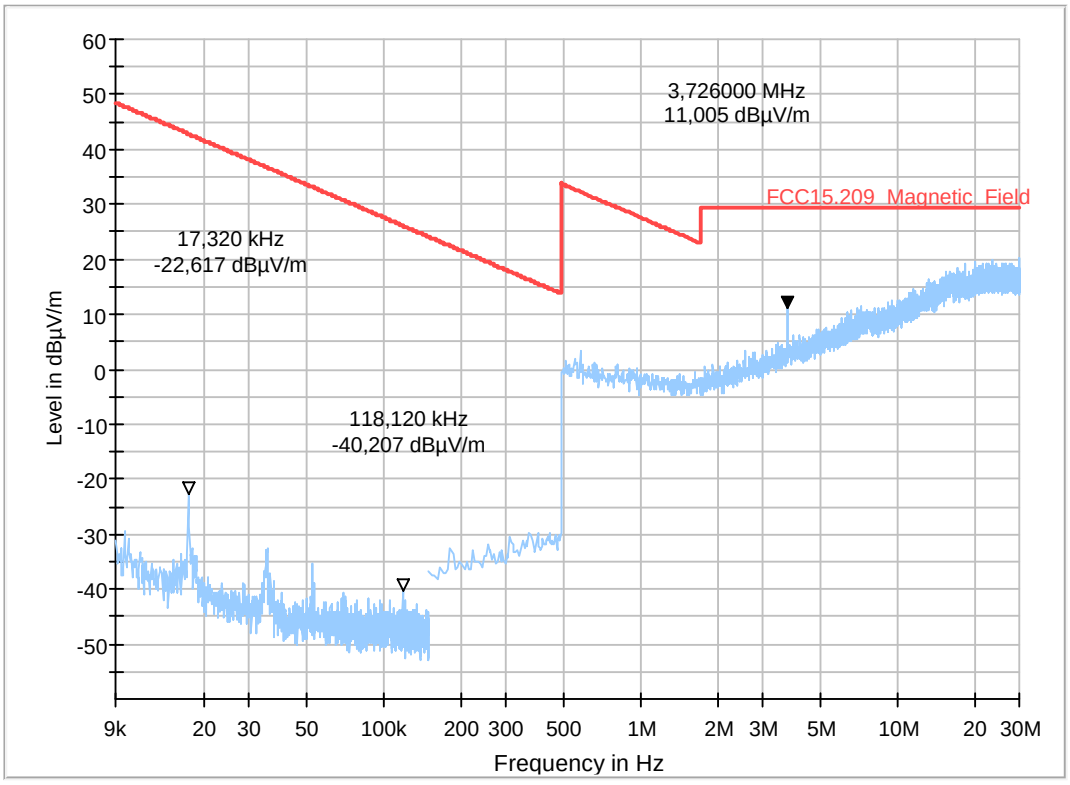


2.4101_H_field_LTE_TDD_B41_CH_41540_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_TDD_B41_CH_41540_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

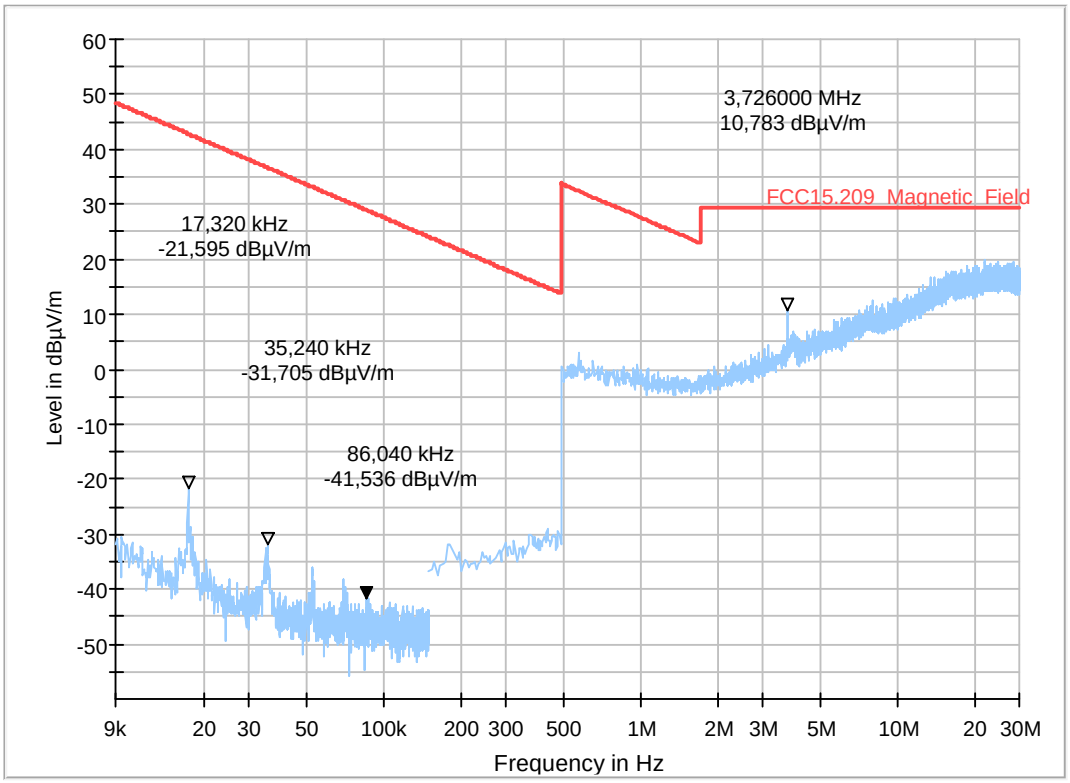


2.6601_H_field_LTE_FDD_B66_CH_132322_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B66_CH_132322_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

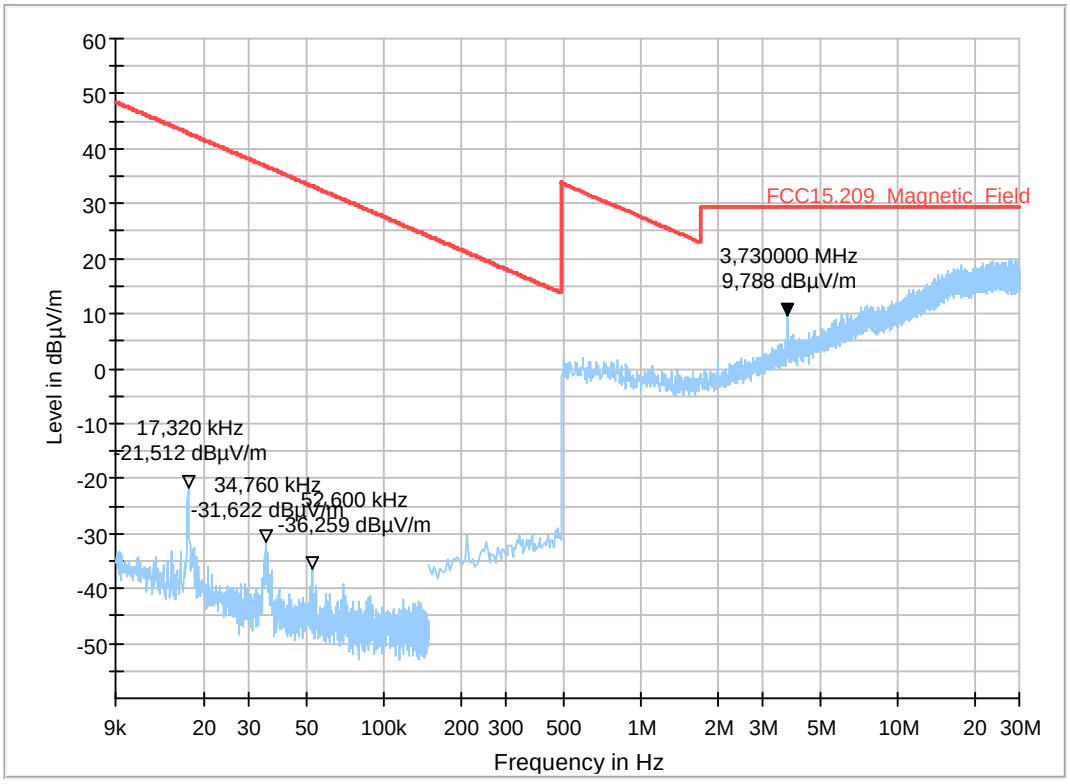


2.6601_H_field_LTE_FDD_B66_CH_132322_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	KTe
Operating Mode:	LTE_FDD_B66_CH_132322_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

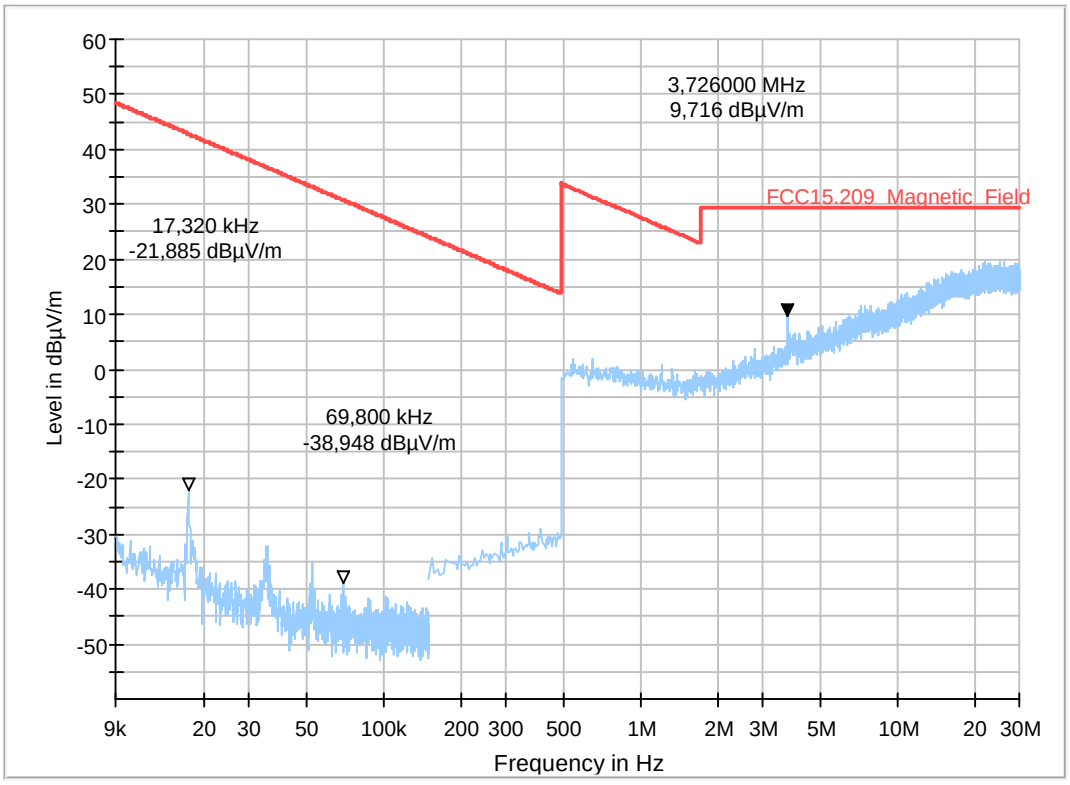


2.7101_H_field_LTE_FDD_B71_CH_133172_lying

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B71_CH_133172_lying
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

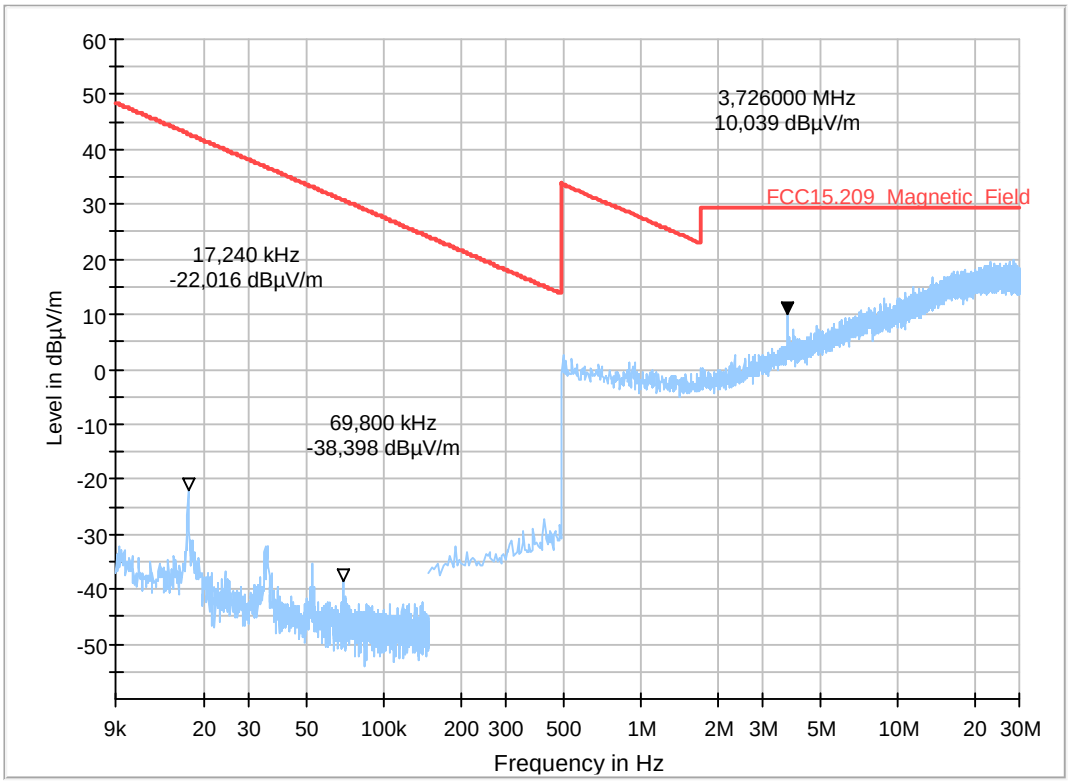


2.7101_H_field_LTE_FDD_B71_CH_133172_standing

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 V10.50.0
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 Standard:	FCC 15.205 § 15.209; RSS-Gen: Issue 5
Operator:	TFra
Operating Mode:	LTE_FDD_B71_CH_133172_standing
Environmental Conditions:	Humidity : 40%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



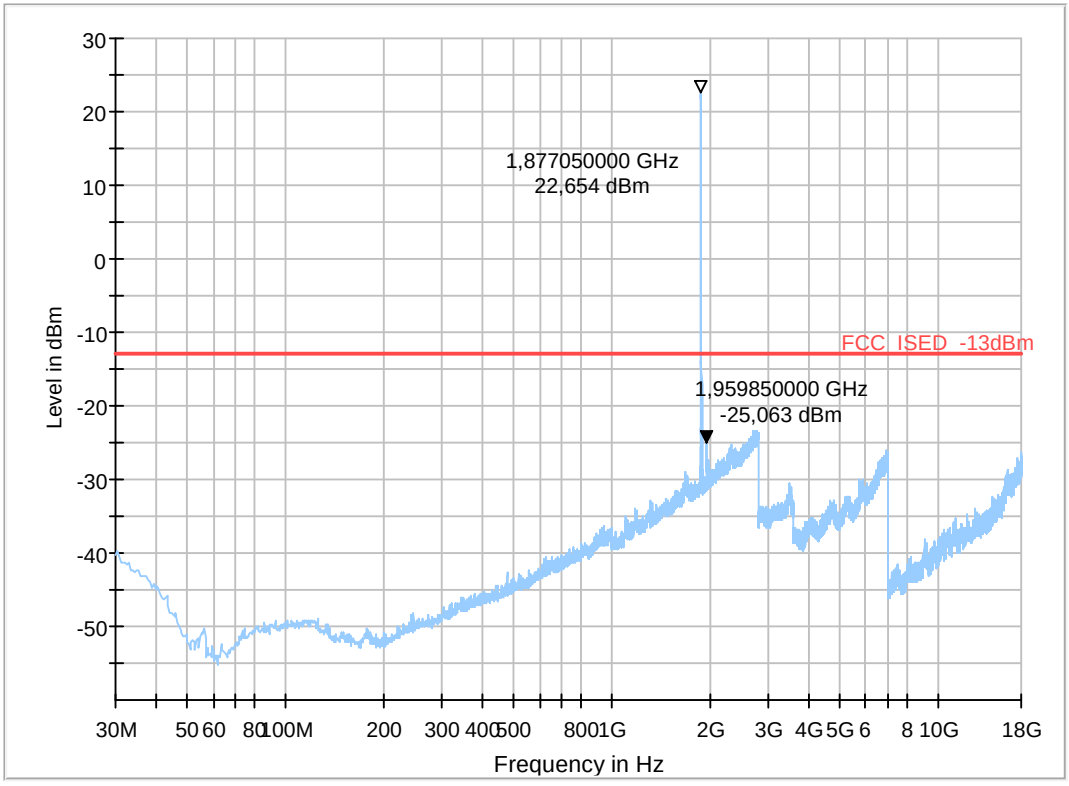
1.2 Radiated emissions

8.02a1_Traffic_mode_LTE_FDD_B02_CH_18900_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Measurement software version	EMC32 V10.60.20
Operating Mode:	LTE_FDD_B02_CH_18900
Operator:	ASa
Comment:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



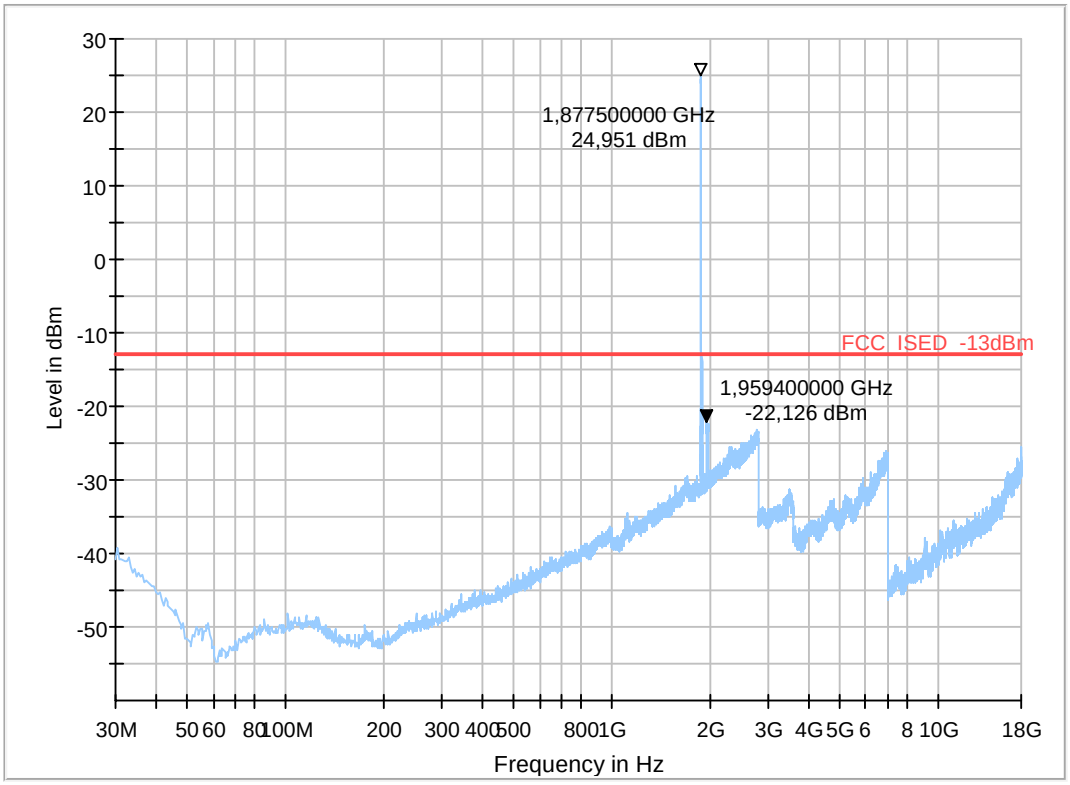
Remark: emission at 1.877 GHz is the uplink of LTE FDD 2 and not relevant to the limit

8.02a2_Traffic_mode_LTE_FDD_B02_CH_18900_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Measurement software version	EMC32 V10.60.20
Operating Mode:	LTE_FDD_B02_CH_18900
Operator:	ASa
Comment:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



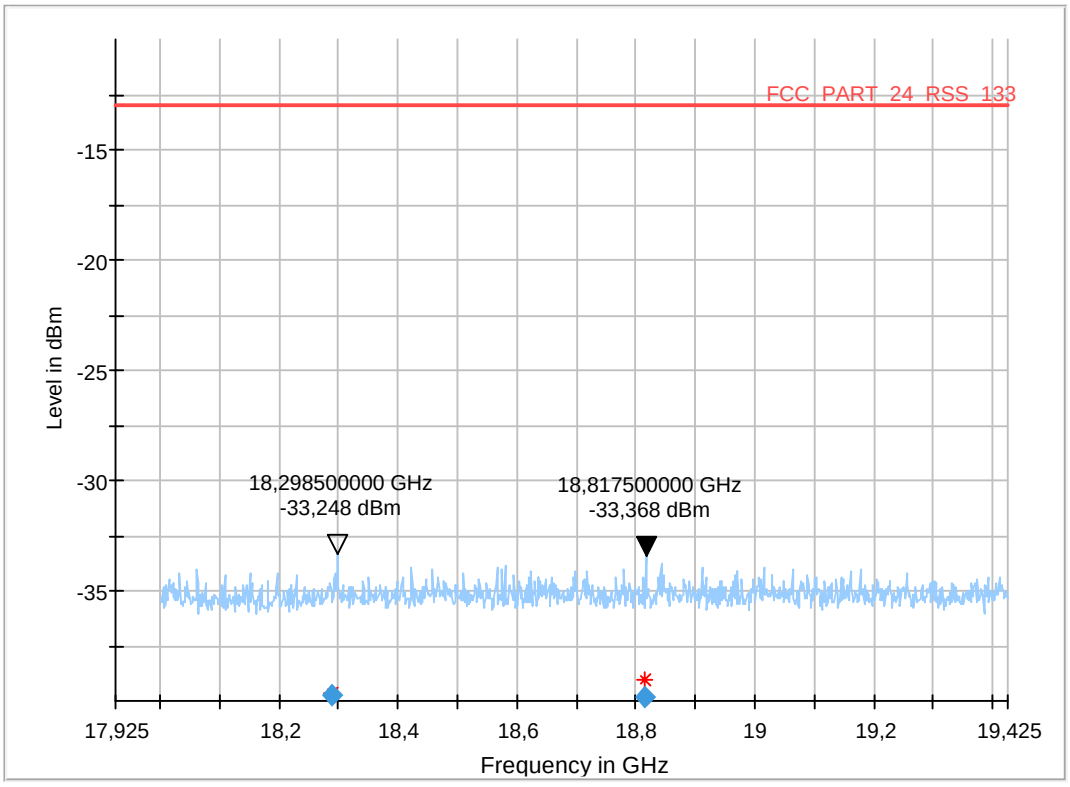
Remark: emission at 1.877 GHz is the uplink of LTE FDD 2 and not relevant to the limit

8.02b1_Traffic_mode_LTE_FDD_B02_CH_18900_AntV_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	MS allocated channel 18900 /BW=10/RB=12/Start0
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 37%rH; Temperature: 26°C
Operator:	Lor
Verdict:	Passed

Full Spectrum



Final_Result

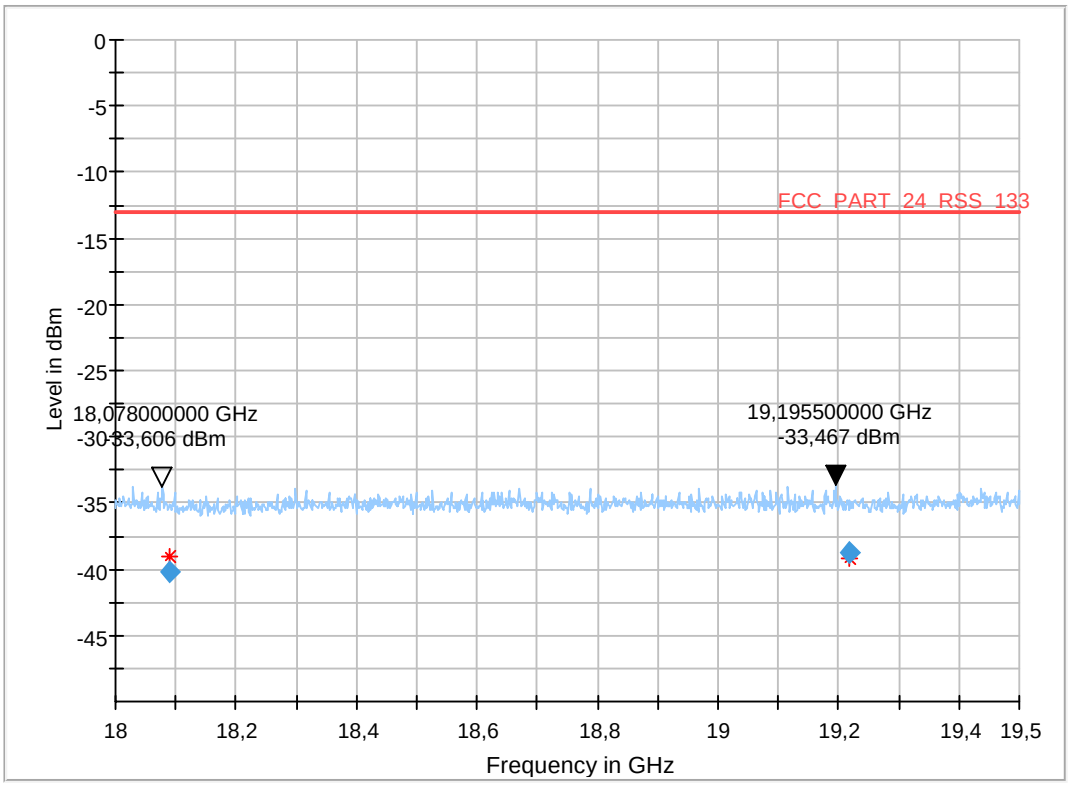
Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB)
18287.460000	-13.00	26.74	500.0	155.0	V	274.0	-56.1	2.3	63.7	-122.2
18814.260000	-13.00	26.85	500.0	155.0	V	-26.0	-56.1	2.4	64.0	-122.4

8.02b2_Traffic_mode_LTE_FDD_B02_CH_18900_AntH_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	MS allocated channel 18900 /BW=10/RB=12/Start0
Exclusionband:	1850- 1910MHz
Environmental Conditions:	Humidity: 37%rH; Temperature: 22.8°C
Operator:	Lor
Verdict:	Passed

Full Spectrum

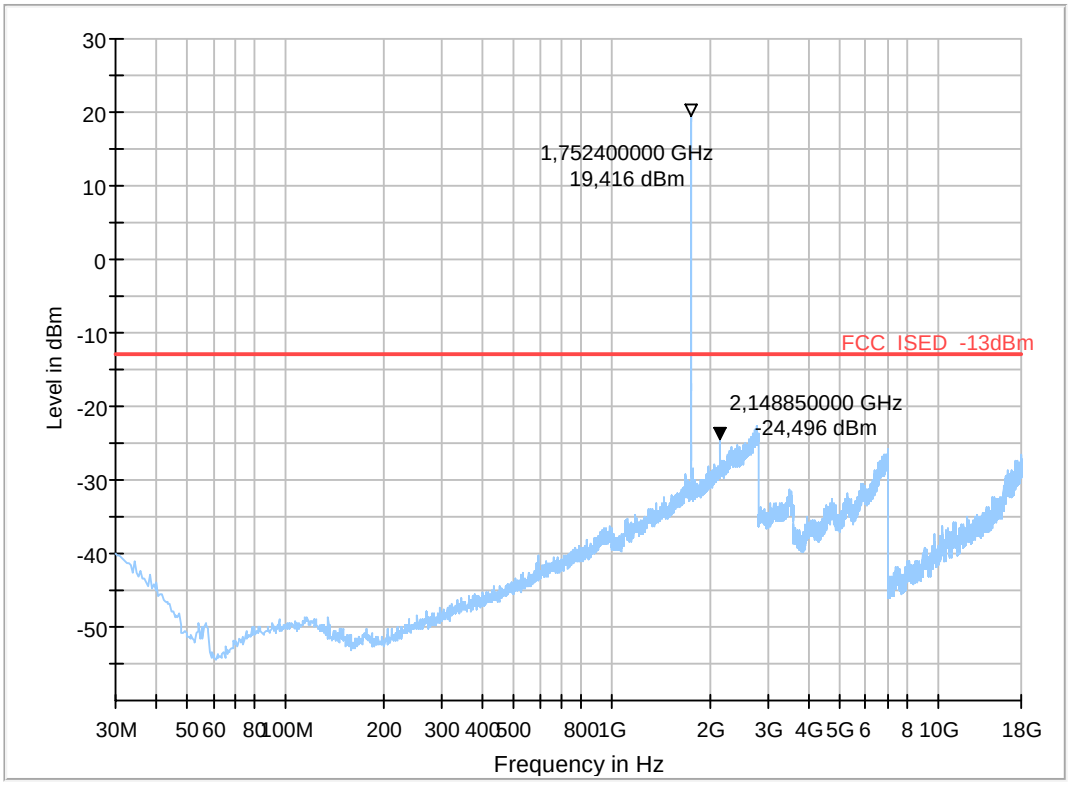


8.04_Traffic_mode_LTE_FDD_B04_CH_20350_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Measurement software version	EMC32 V10.60.20
Operating Mode:	LTE_FDD_B04_CH_20350
Operator:	ASa
Comment:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

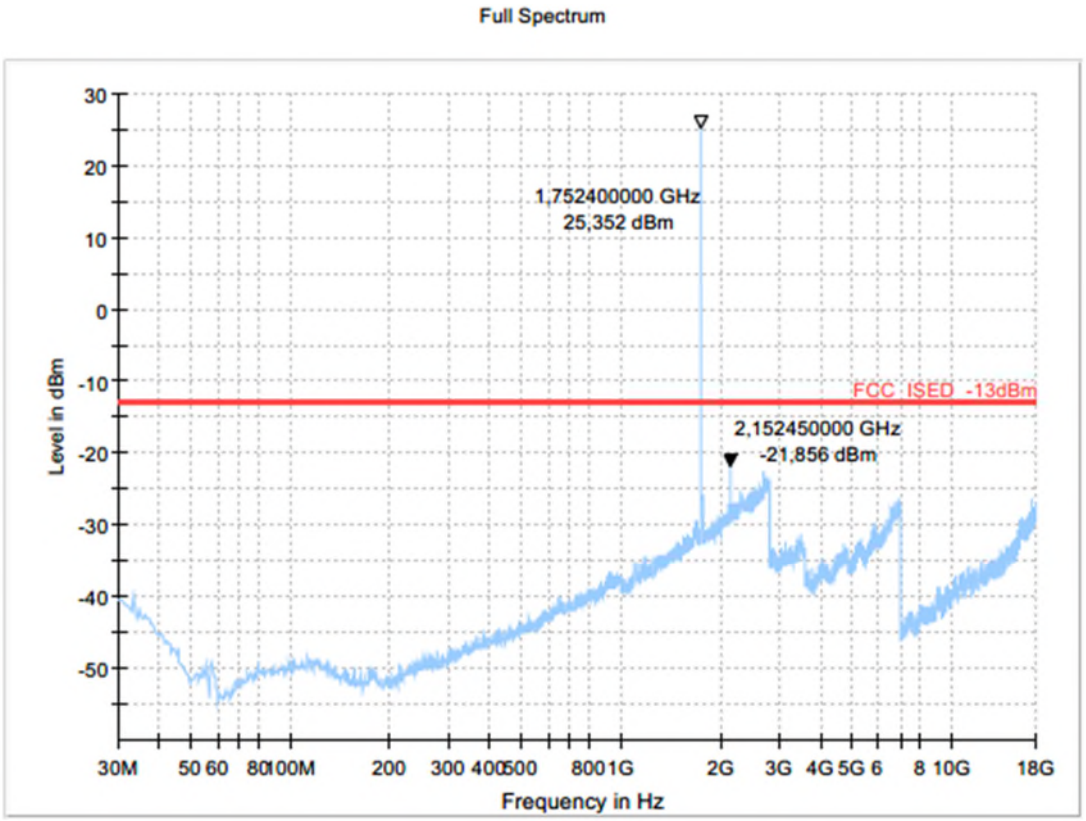


Remark: emission at 1.752 GHz is the uplink of LTE FDD 4 and not relevant to the limit

8.04_Traffic_mode_LTE_FDD_B04_CH_20350_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Measurement software version	EMC32 V10.60.20
Operating Mode:	LTE_FDD_B04_CH_20350
Operator:	ASa
Comment:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed



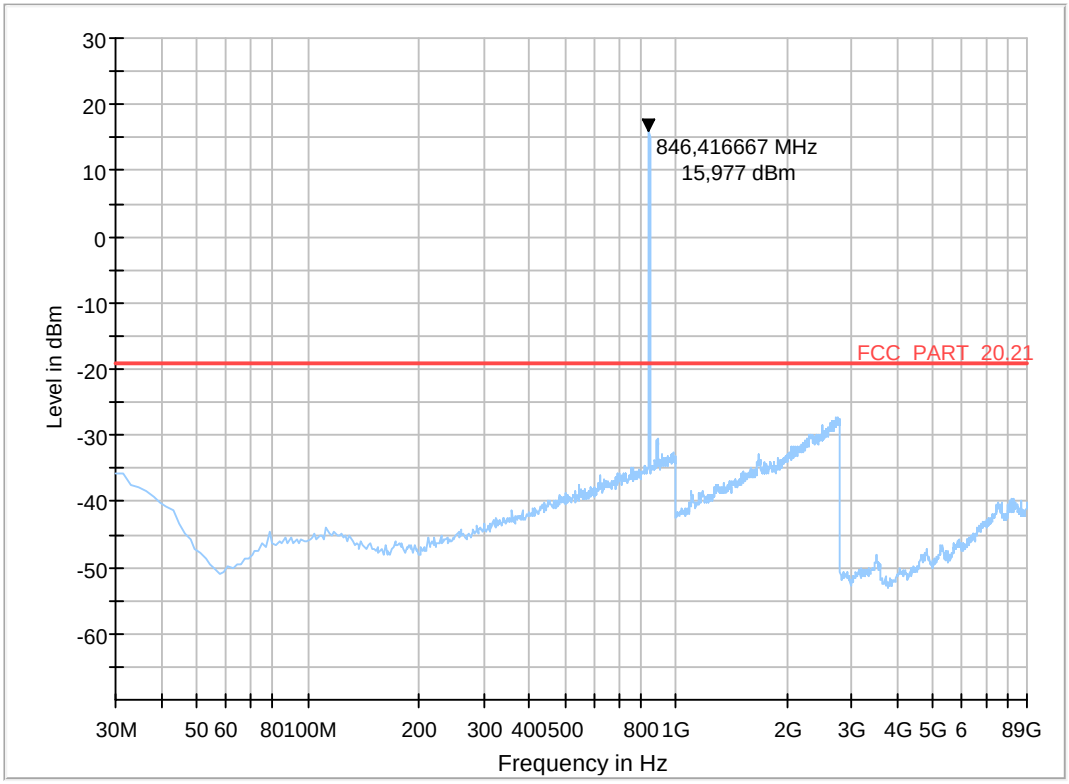
Remark: emission at 1.752 GHz is the uplink of LTE FDD 4 and not relevant to the limit

8.05_Traffic_mode_LTE_FDD_B05_CH_20600_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B05_CH_20600
Operator:	ASa
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



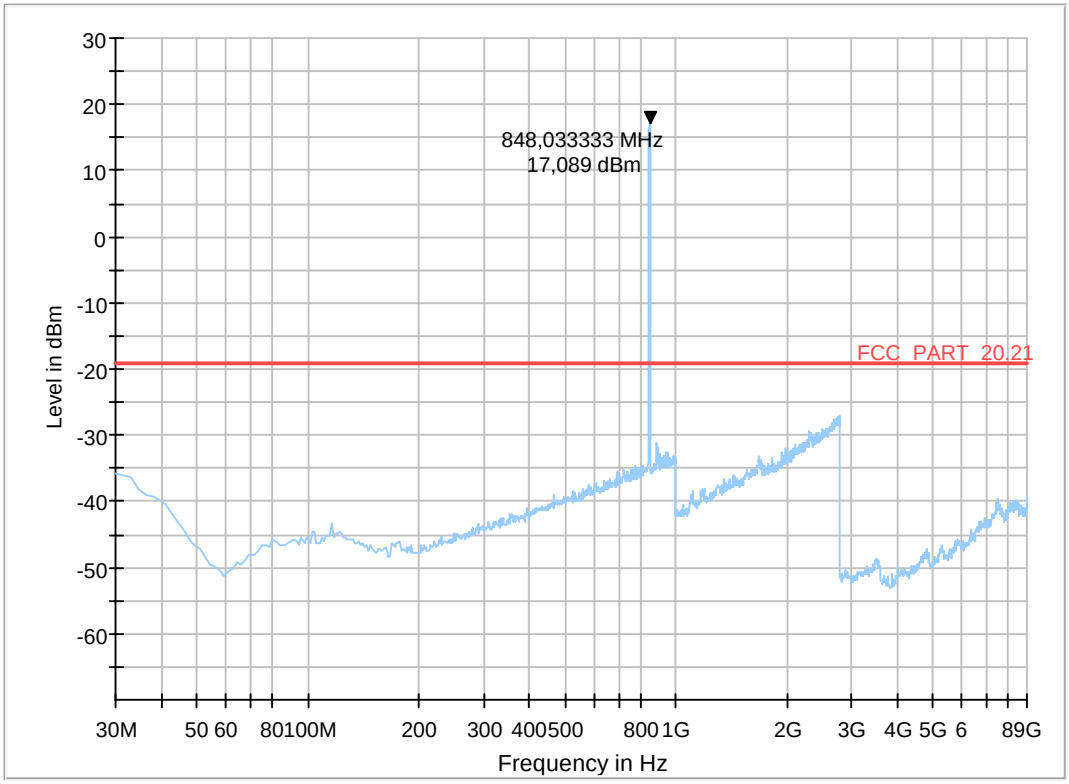
Remark: emission at 846 MHz is the uplink of LTE FDD 5 and not relevant to the limit
Remark: emission limit lies at -13 dBm (less stringent then the limit shown in diagram

8.05_Traffic_mode_LTE_FDD_B05_CH_20600_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B05_CH_20600
Operator:	ASa
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



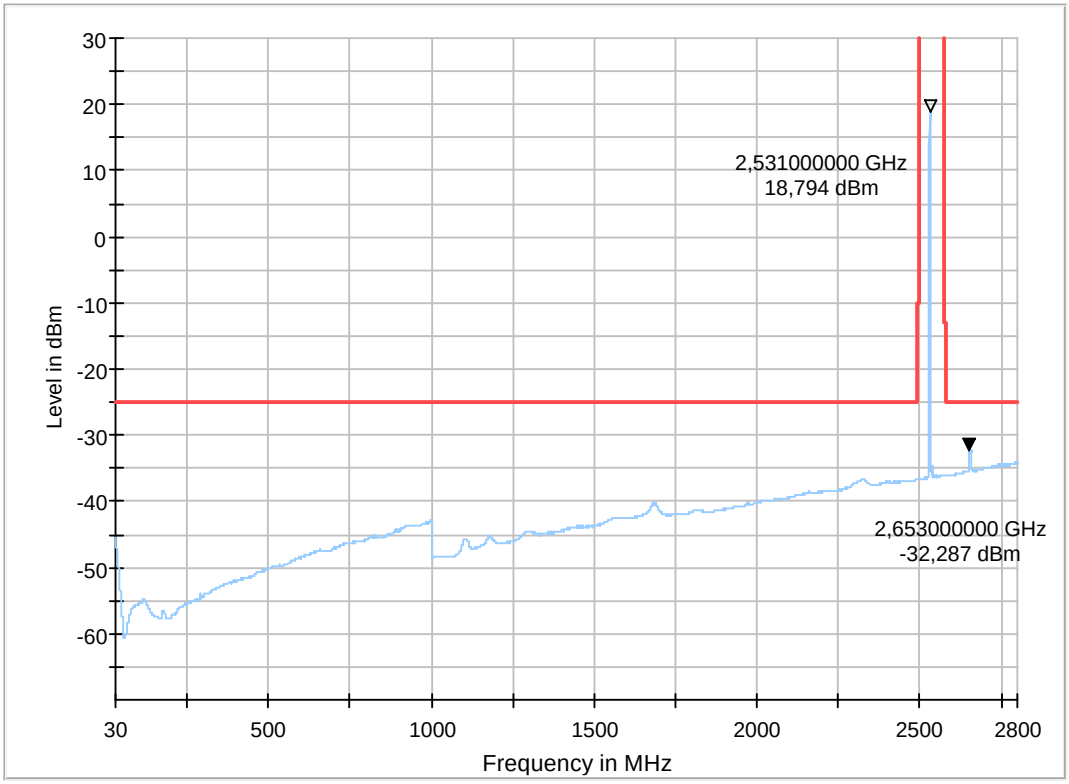
Remark: emission at 848 MHz is the uplink of LTE FDD 5 and not relevant to the limit

8.07a_Traffic_mode_LTE_FDD_B07_CH_21100_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Operator:	ASa
Remarks:	EUT - lying position
EUT Setup:	01
Verdict:	Passed

Full Spectrum

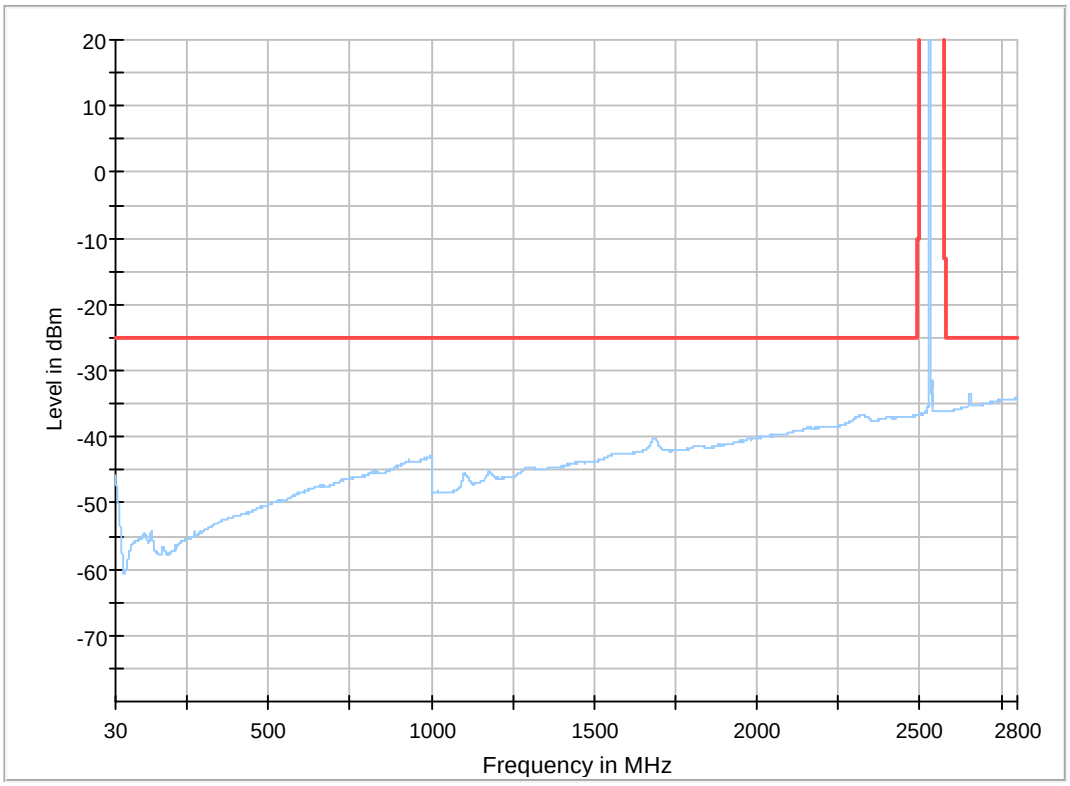


8.07a_Traffic_mode_LTE_FDD_B07_CH_21100_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	LAb
Remarks:	EUT - lying/standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum

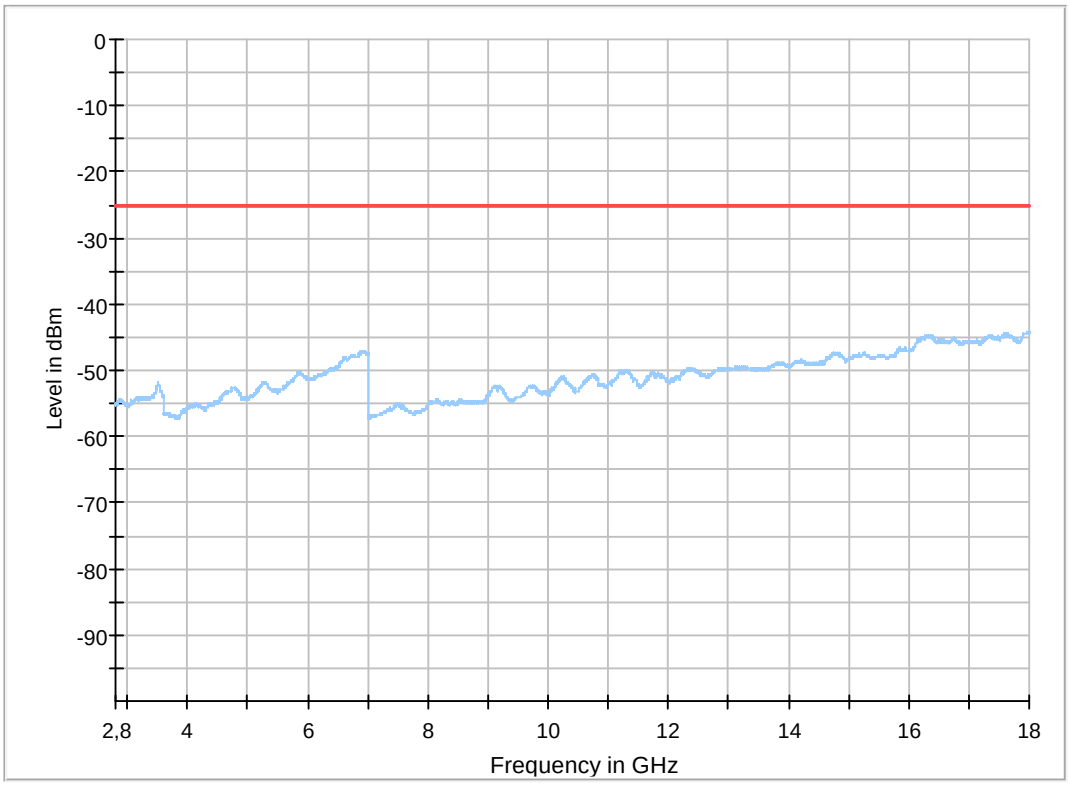


8.07b_Traffic_mode_LTE_FDD_B07_CH_21100_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Operator:	ASa
EUT Setup:	01
Verdict:	Passed

Full Spectrum

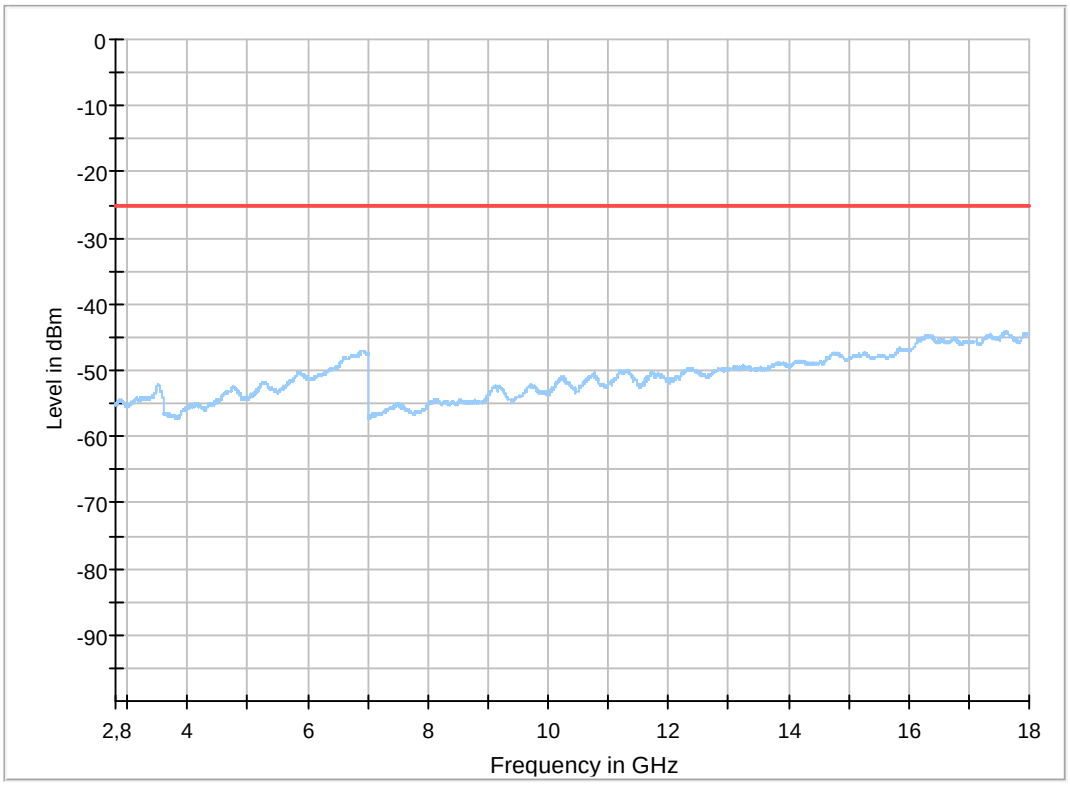


8.07b_Traffic_mode_LTE_FDD_B07_CH_21100_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum

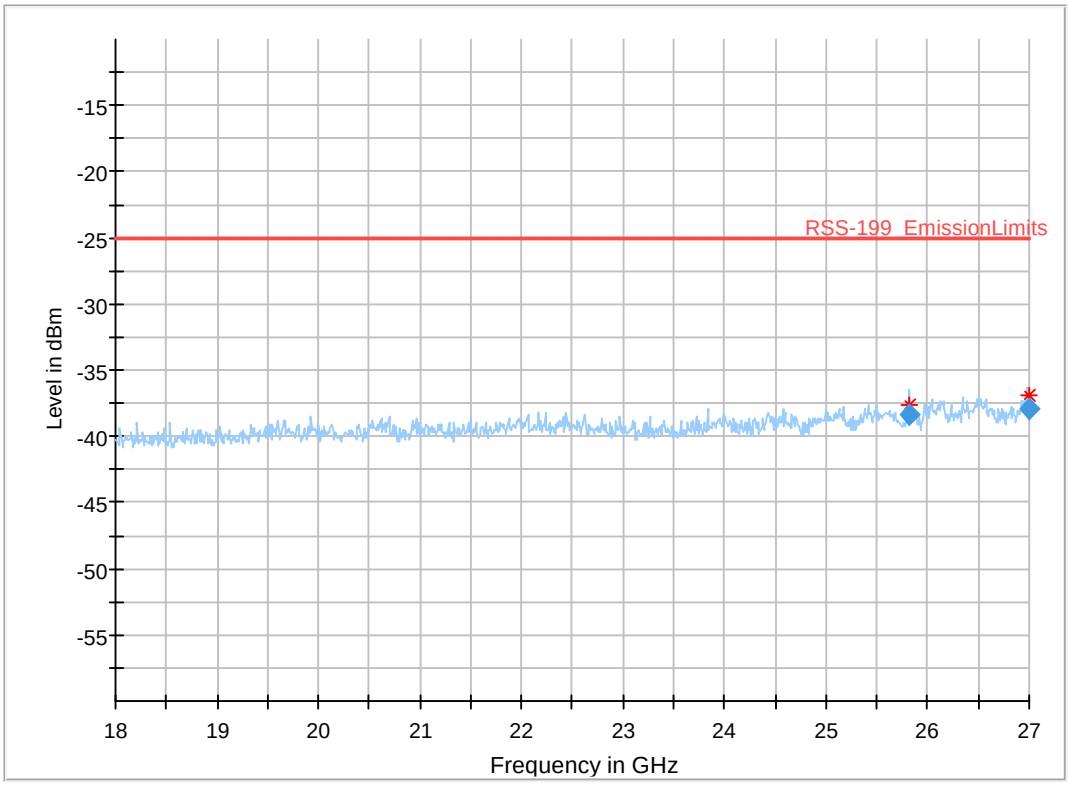


8.07c1_Traffic_mode_LTE_FDD_B07_CH_21100_AntH_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	LTE Band 7
Operating Mode:	MS allocated channel 21100/BW=10MHz/1RB/Start=0
Exclusionband:	2496 to 2690 MHz
Environmental Conditions:	Humidity: 37%rH; Temperature: 22.8°C
Operator:	Lor
Verdict:	Passed

Full Spectrum



Final_Result

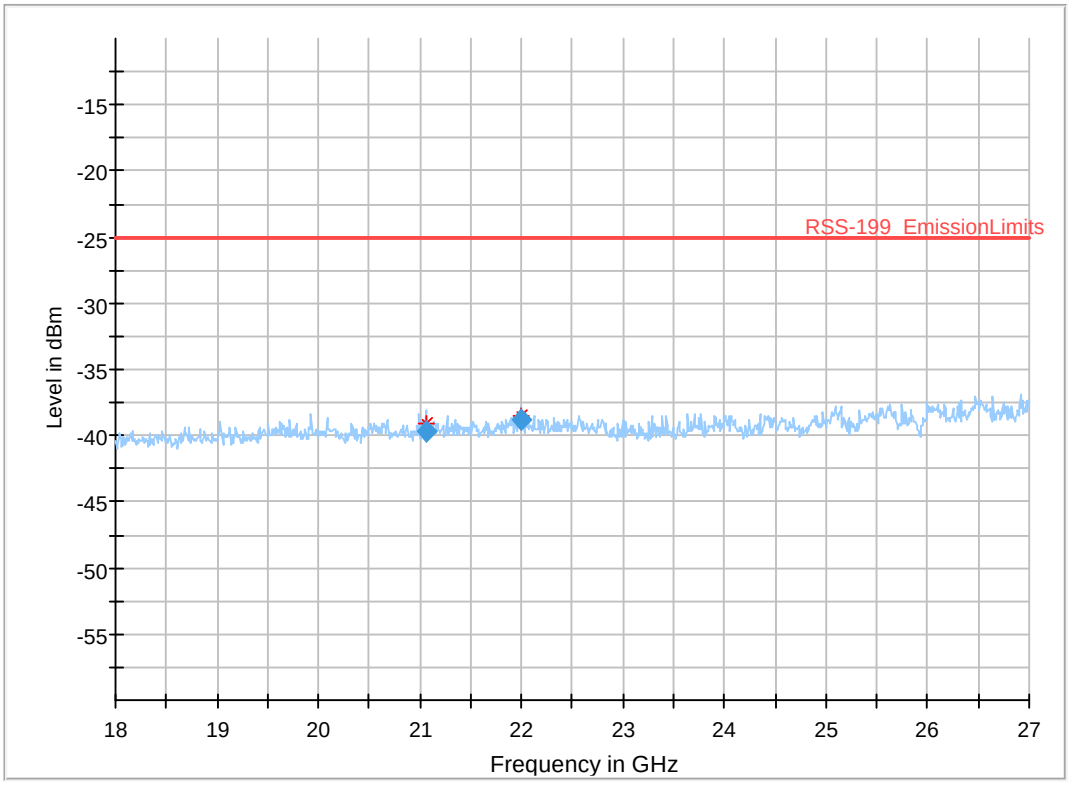
Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB)
25818.240000	-25.00	13.32	500.0	155.0	H	204.0	-54.9	2.7	66.7	-124.3
26999.232000	-25.00	12.99	500.0	155.0	H	-10.0	-54.2	2.7	67.1	-124.0

8.07c1_Traffic_mode_LTE_FDD_B07_CH_21100_AntH_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	LTE Band 7
Operating Mode:	MS allocated channel 21100 /BW=10/RB=1/Start0
Exclusionband:	2496 to 2690 MHz
Environmental Conditions:	Humidity: 37%rH; Temperature: 22.6°C
Operator:	Lor
Verdict:	Passed

Full Spectrum



Final_Result

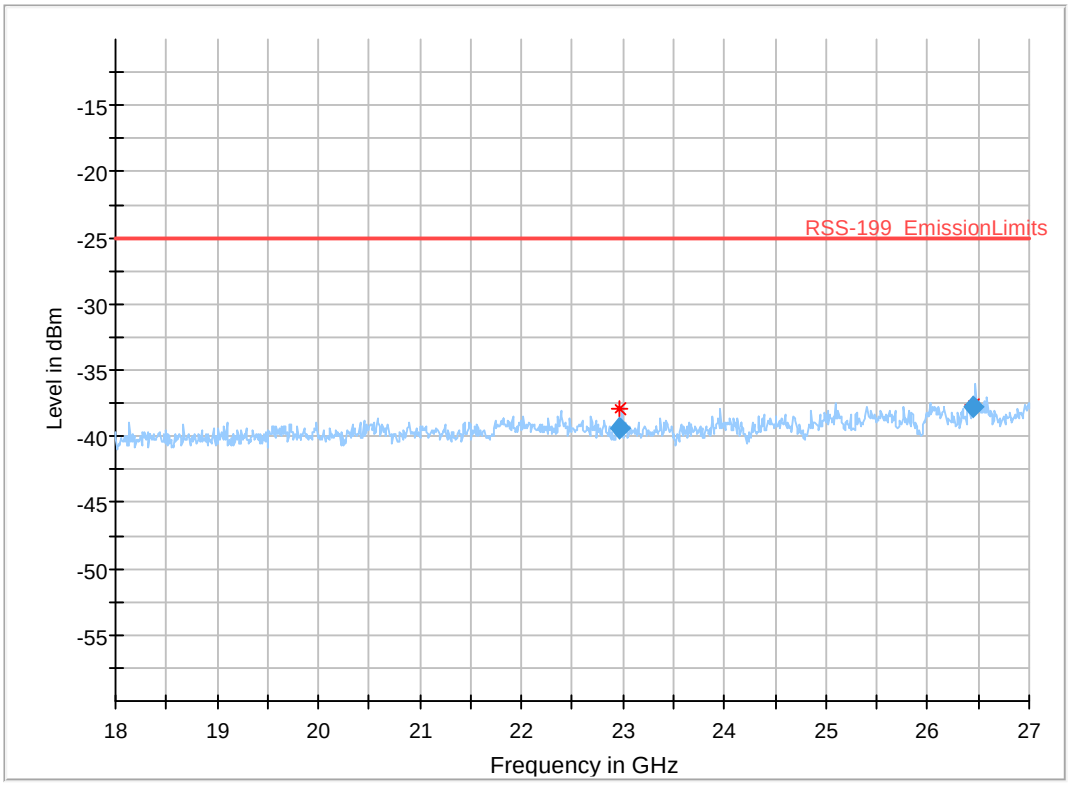
Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB)
21061.560000	-25.00	14.65	500.0	155.0	H	95.0	-55.8	2.5	64.9	-123.2
21988.860000	-25.00	13.87	500.0	155.0	H	277.0	-55.7	2.5	65.3	-123.5

8.07c2_Traffic_mode_LTE_FDD_B07_CH_21100_AntV_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	LTE Band 7
Operating Mode:	MS allocated channel 21100 /BW=10/RB=1/Start0
Exclusionband:	2496 to 2690 MHz
Environmental Conditions:	Humidity: 37%rH; Temperature: 22.8°C
Operator:	Lor
Verdict:	Passed

Full Spectrum



Final_Result

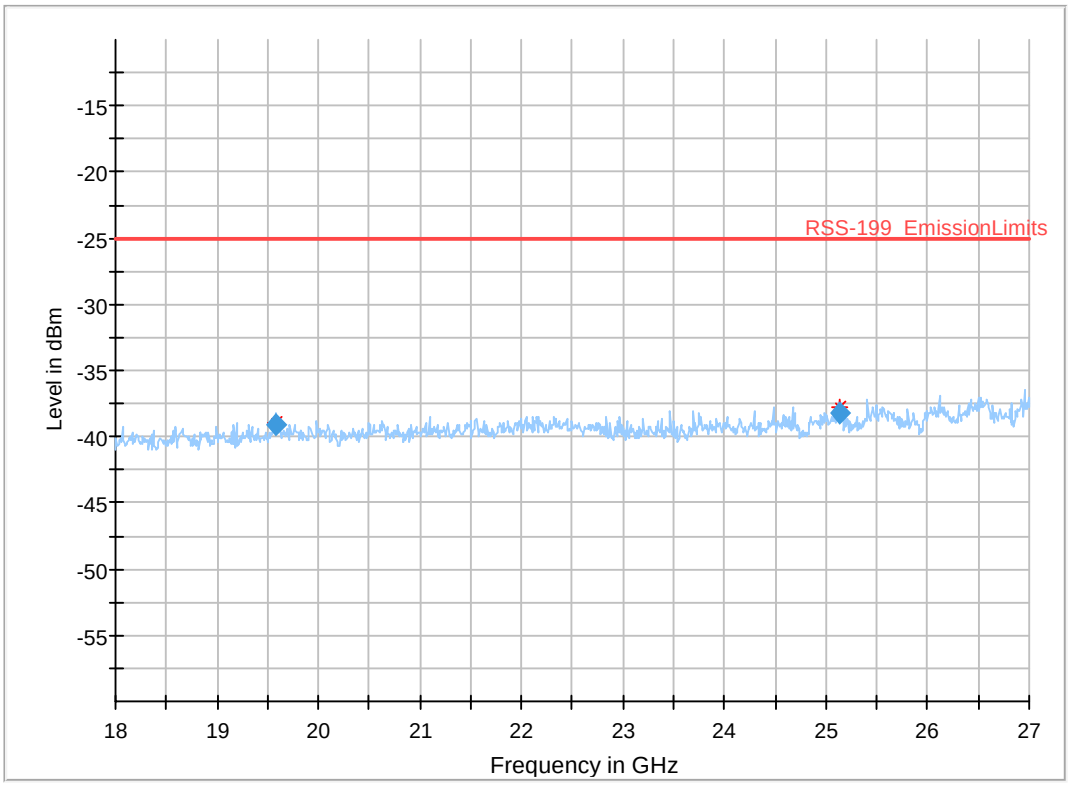
Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB)
22974.900000	-25.00	14.32	500.0	155.0	V	295.0	-55.6	2.6	65.7	-123.8
26441.400000	-25.00	12.78	500.0	155.0	V	142.0	-54.5	2.7	66.9	-124.1

8.07c2_Traffic_mode_LTE_FDD_B07_CH_21100_AntV_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	LTE Band 7
Operating Mode:	MS allocated channel 21100 /BW=10/RB=1/Start0
Exclusionband:	2496 to 2690 MHz
Environmental Conditions:	Humidity: 37%rH; Temperature: 22.6°C
Verdict:	Passed

Full Spectrum



Final_Result

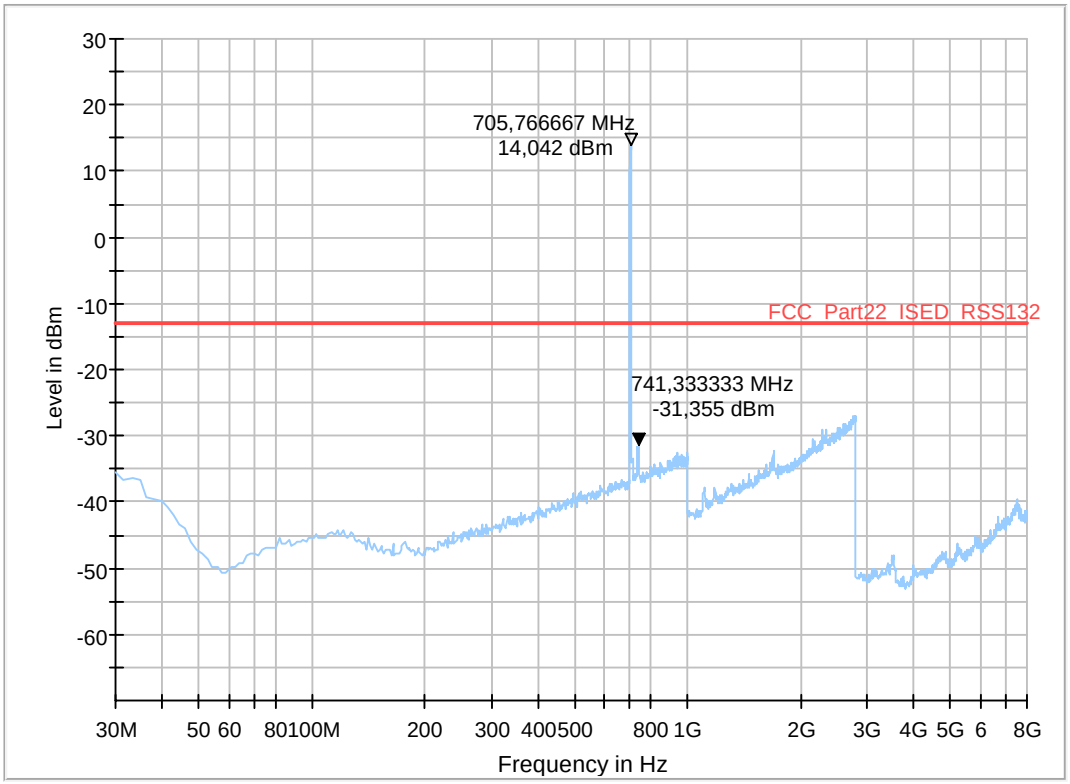
Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB)
19577.880000	-25.00	14.14	500.0	155.0	V	45.0	-56.0	2.4	64.3	-122.7
25127.760000	-25.00	13.28	500.0	155.0	V	89.0	-55.3	2.7	66.5	-124.4

8.12_Traffic_mode_LTE_FDD_B12_CH_23095_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
EUT:	EUT - Lying position
Operating Mode:	LTE_FDD_B12_CH_23095
Operator:	ASa
Environmental Conditions:	Humidity : 60%rH; Temperature: 21°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



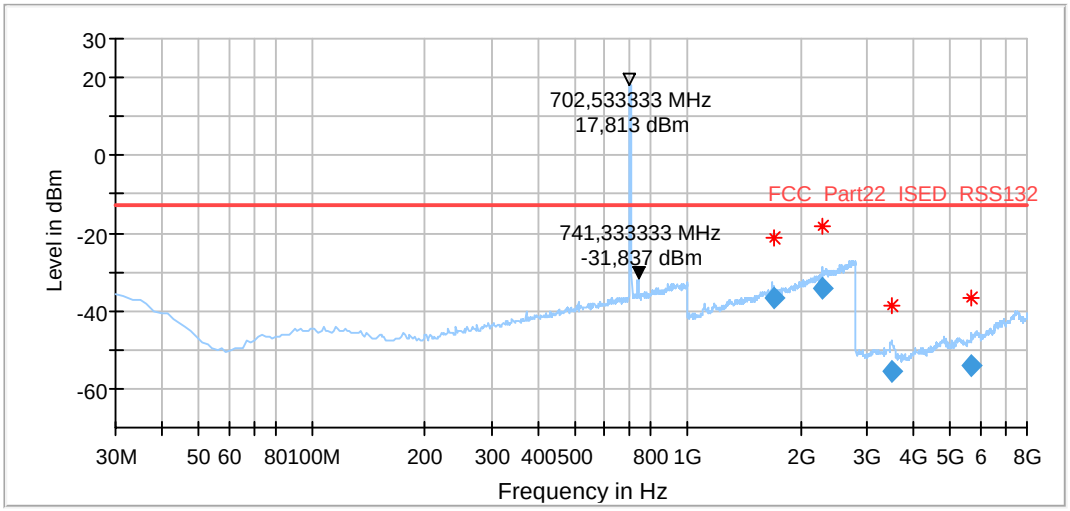
Remark: emission at 705 MHz is the uplink of LTE FDD 12 and not relevant to the limit

8.12_Traffic_mode_LTE_FDD_B12_CH_23095_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B12_CH_23095
Operator:	MNu
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



Remark: emission at 702 MHz is the uplink of LTE FDD 12 and not relevant to the limit

Final_Result

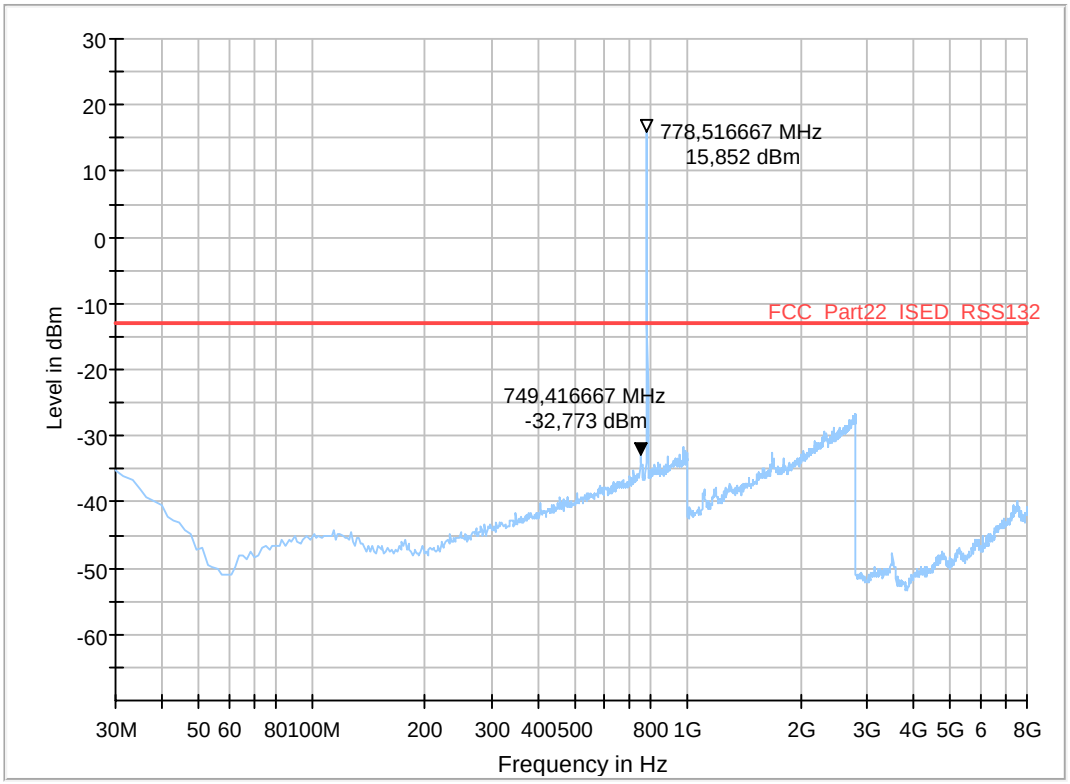
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin	Meas. Time (ms)	Bandwidth	Height	Pol	Azimuth	Elevation	Corr. (dB)
1690.050000	-36.85	-13.00	23.85	100.0	100.000	155.0	V	168.0	0.0	-60.4
2293.450000	-33.96	-13.00	20.96	100.0	100.000	155.0	H	157.0	90.0	-58.2
3488.241667	-55.33	-13.00	42.33	100.0	100.000	155.0	V	120.0	0.0	-83.4
5667.216667	-53.99	-13.00	40.99	100.0	100.000	155.0	V	252.0	90.0	-79.5

8.13_Traffic_mode_LTE_FDD_B13_CH_23230_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
EUT:	EUT - Lying position
Operating Mode:	LTE_FDD_B13_CH_23230
Operator:	ASa
Environmental Conditions:	Humidity : 60%rH; Temperature: 21°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



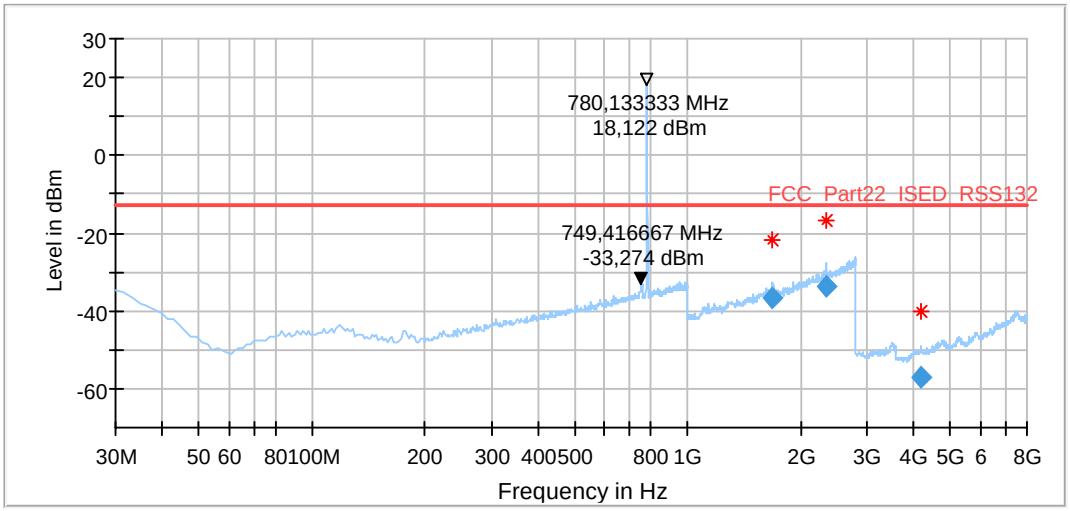
Remark: emission at 778 MHz is the uplink of LTE FDD 13 and not relevant to the limit

8.13_Traffic_mode_LTE_FDD_B13_CH_23230_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B13_CH_23230
Operator:	MNu
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



Remark: emission at 780 MHz is the uplink of LTE FDD 13 and not relevant to the limit

Final_Result

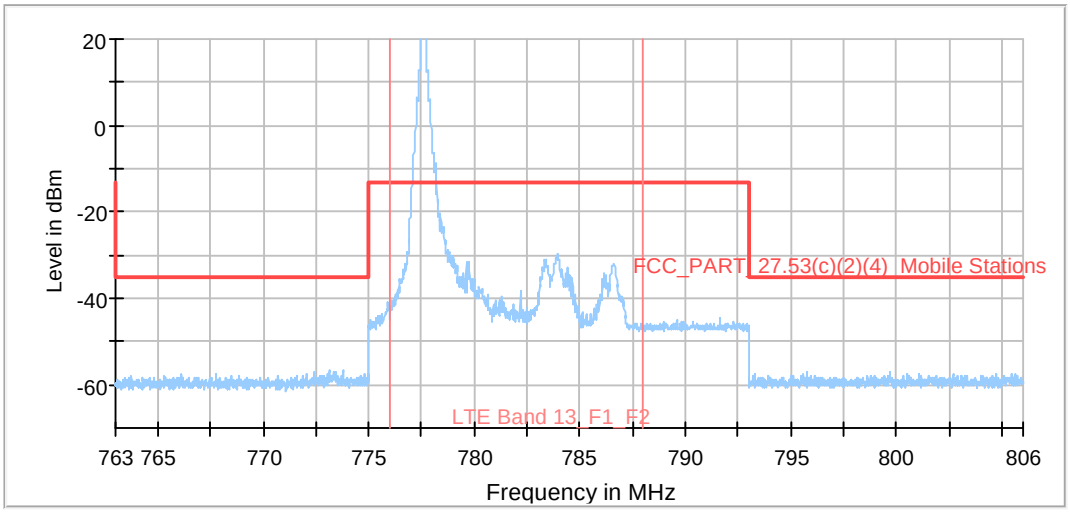
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin	Meas. Time (ms)	Bandwidth	Height	Pol	Azimuth	Elevation	Corr. (dB)
1683.825000	-36.61	-13.00	23.61	100.0	100.000	155.0	V	159.0	0.0	-60
2328.350000	-33.92	-13.00	20.92	100.0	100.000	155.0	V	19.0	0.0	-58
4175.733333	-57.22	-13.00	44.22	100.0	100.000	155.0	H	300.0	0.0	-83

8.13a_Traffic_mode_LTE_FDD_B13_CH_23230_GPS_Band_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	UE allocated channel 23230, RB = 1, Pos = low, BW= 10 MHz, QPSK
Operating Mode:	MS allocated channel xxx (UL = 782MHz)
Exclusionband:	Uplink: 776-787MHz Downlink: -31MHz Offset
Environmental Conditions:	Humidity: 35%rH; Temperature: 22.5°C
Operator:	MNu
EUT Setup:	lying
Verdict:	Failed

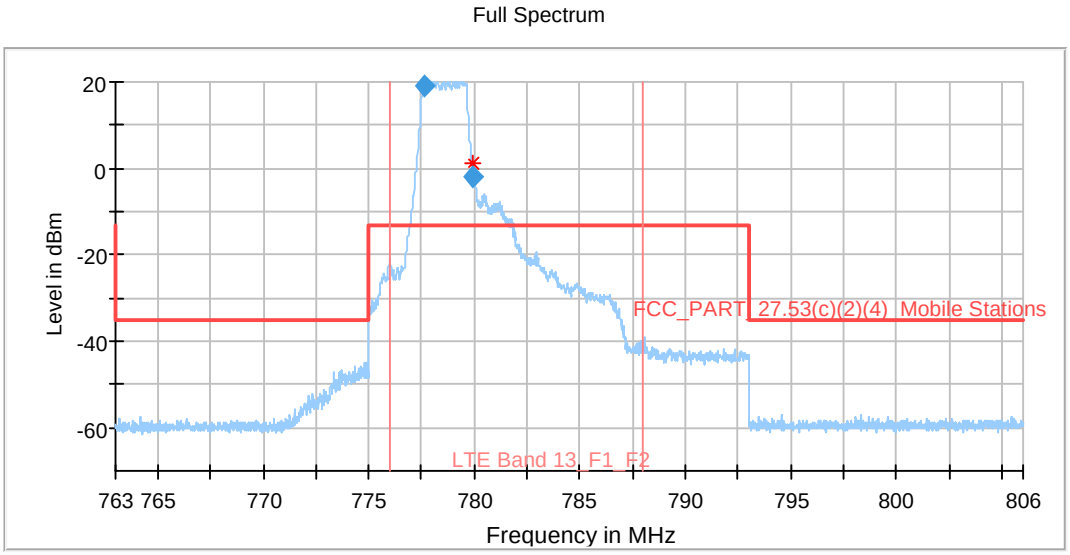
Full Spectrum



8.13a_Traffic_mode_LTE_FDD_B13_CH_23230_GPS_Band_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	LTE Band 13
Operating Mode:	MS allocated channel xxx (UL = 782MHz)
Exclusionband:	Uplink: 776-787MHz Downlink: -31MHz Offset
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	MNu
EUT Setup:	01
Verdict:	Failed



Final_Result

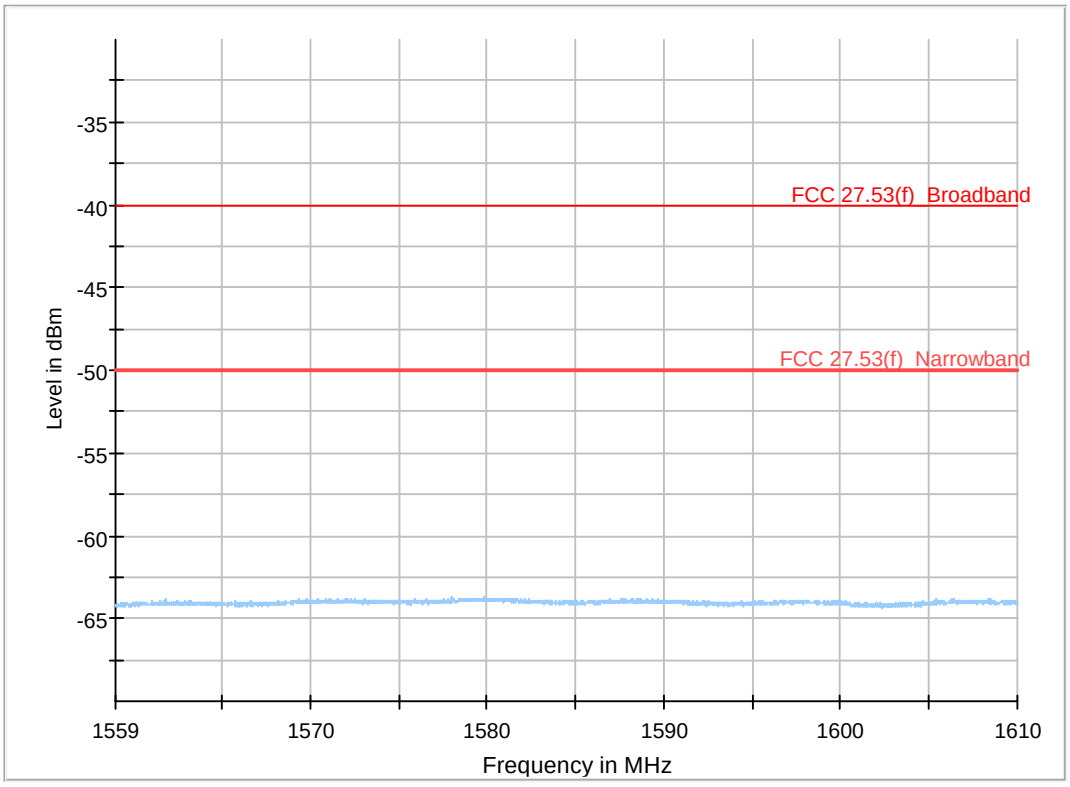
Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
777.646000	19.28	-13.00	-32.28	100.0	100.000	H	30.0	-77	2
779.932000	-2.02	-13.00	-10.98	100.0	100.000	H	30.0	-77	2

8.13b_Traffic_mode_LTE_FDD_B13_CH_23230_GPS_Band_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B13_CH_23230_GPS_Band_lying
Environmental Conditions:	Humidity: 40 % rH; Temperature: 20 °C
Operator:	ASa/TFra
EUT Setup:	01
Verdict:	Passed

Full Spectrum

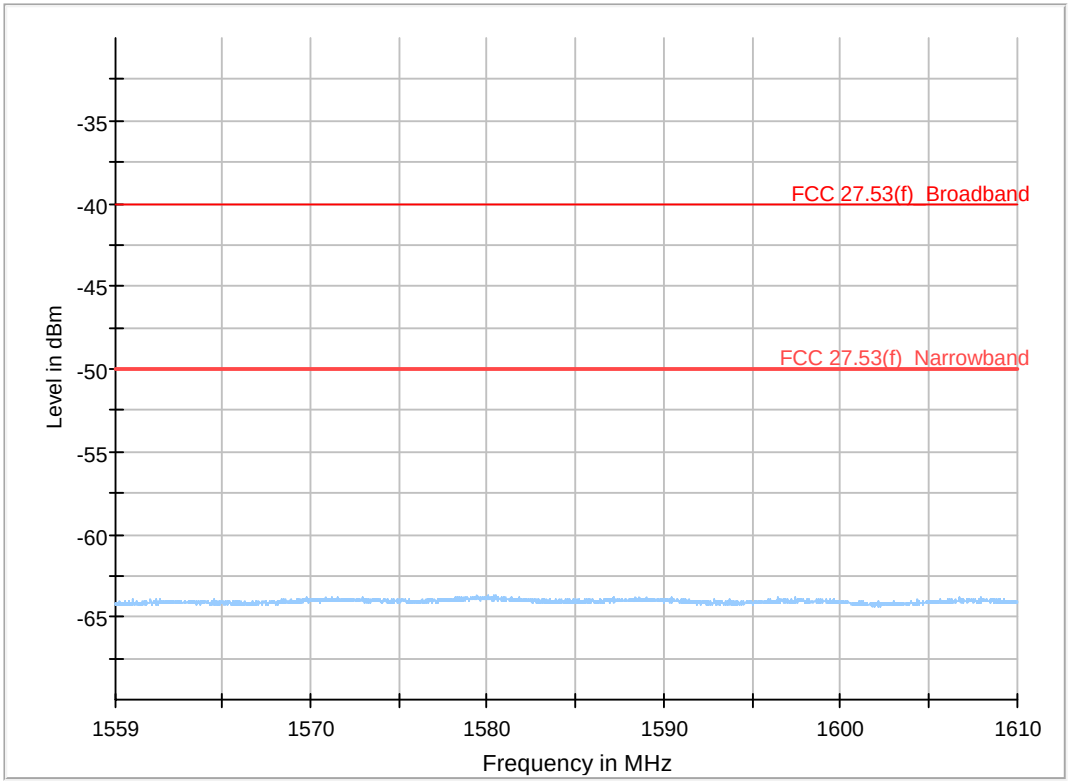


8.13b_Traffic_mode_LTE_FDD_B13_CH_23230_GPS_Band_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	LTE Band 13
Operating Mode:	LTE_FDD_B13_CH_23230_GPS_Band_standing
Environmental Conditions:	Humidity: 40 % rH; Temperature: 20 °C
Operator:	ASa/TFra
EUT Setup:	01
Verdict:	Passed

Full Spectrum

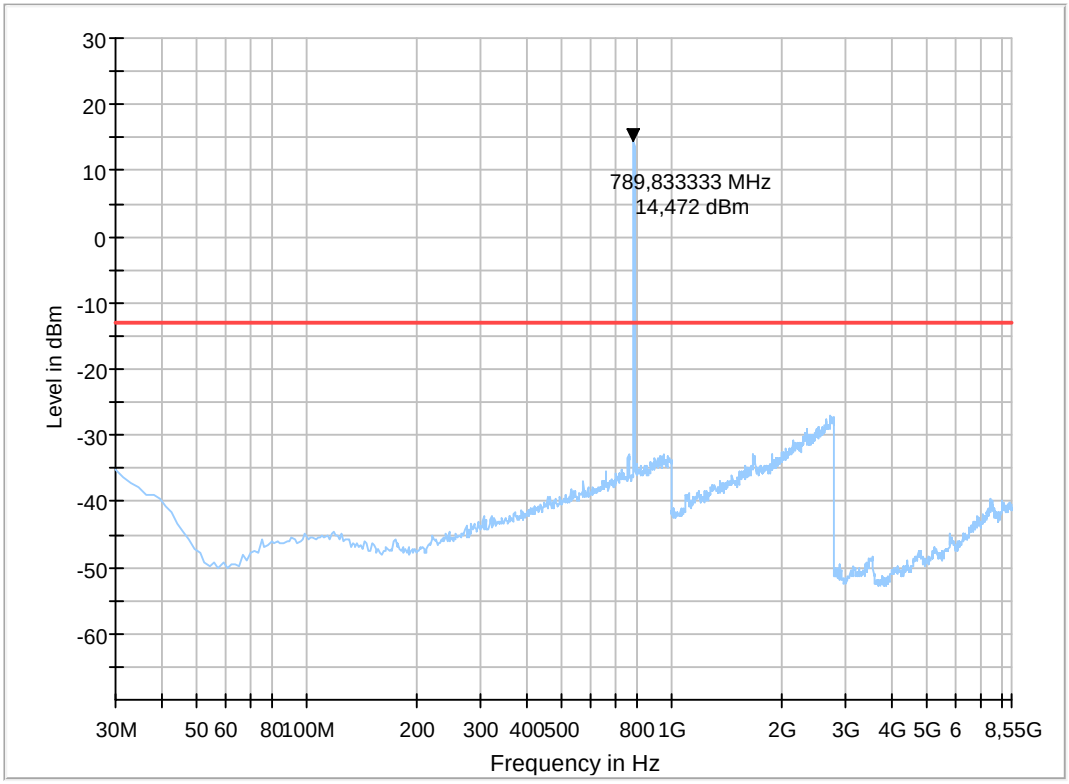


8.14_Traffic_mode_LTE_FDD_B14_CH_23330_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B14_CH_23330
Operator:	ASa/DMa
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



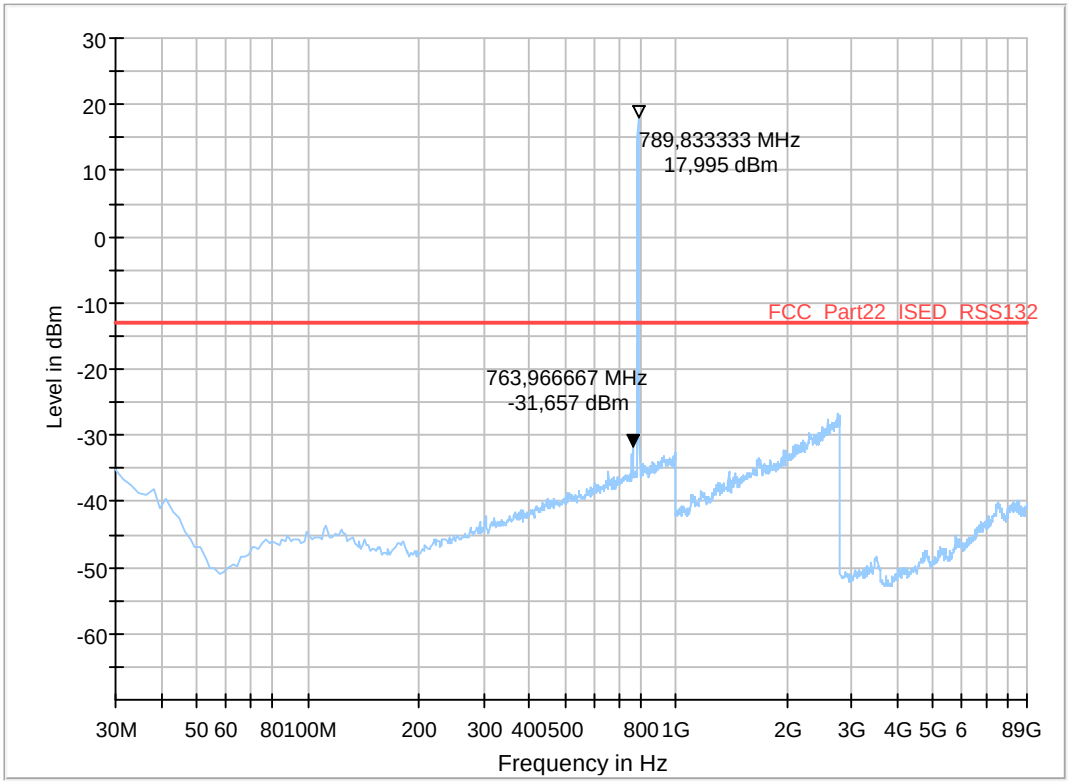
Remark: emission at 789 MHz is the uplink of LTE FDD 14 and not relevant to the limit

8.14_Traffic_mode_LTE_FDD_B14_CH_23330_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B14_CH_23330
Operator:	ASa/DMa
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

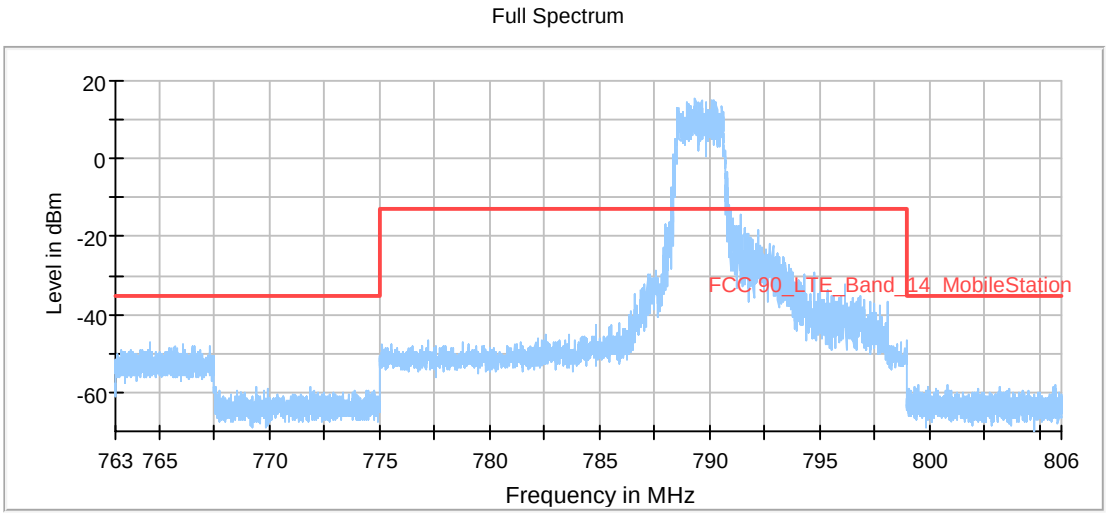


Remark: emission at 789 MHz is the uplink of LTE FDD 14 and not relevant to the limit

8.14a_Traffic_mode_LTE_FDD_B14_CH_23330_GPS_Band_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B14_CH_23330
Operator:	TFra
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

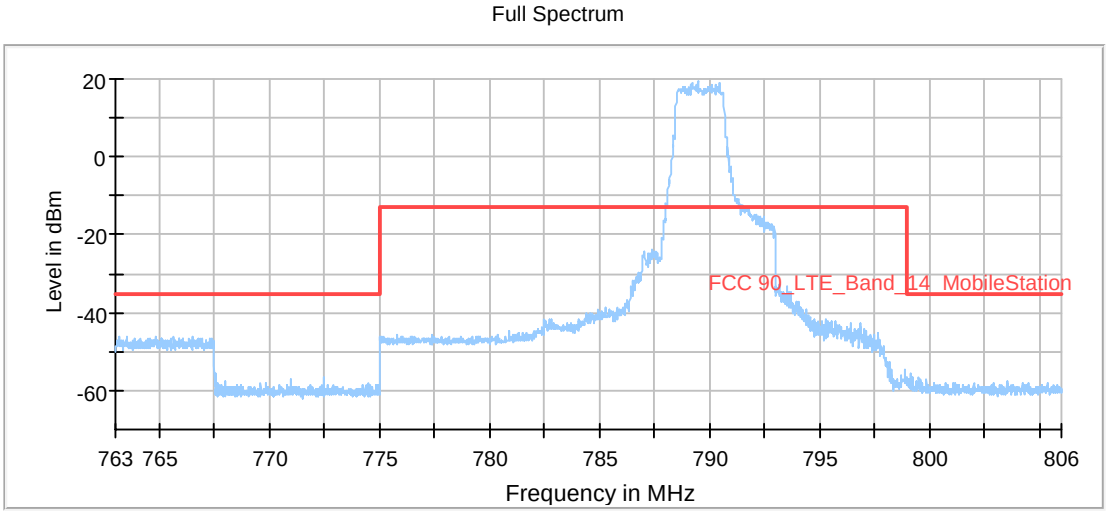


Remark: LTE FDD 14 in the band 788 MHz to 798 MHz not relevant to the limit

8.14b_Traffic_mode_LTE_FDD_B14_CH_23330_GPS_Band_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B14_CH_23330
Operator:	TFra
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed



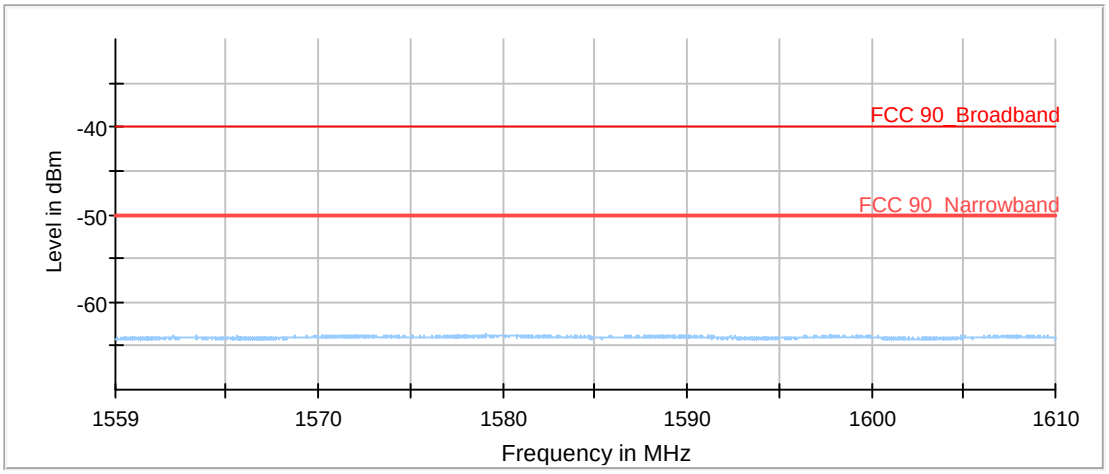
Remark: LTE FDD 14 in the band 788 MHz to 798 MHz not relevant to the limit

8.14c_Traffic_mode_LTE_FDD_B14_CH_23330_GPS_Band_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B14_CH_23330
Operator:	TFra
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

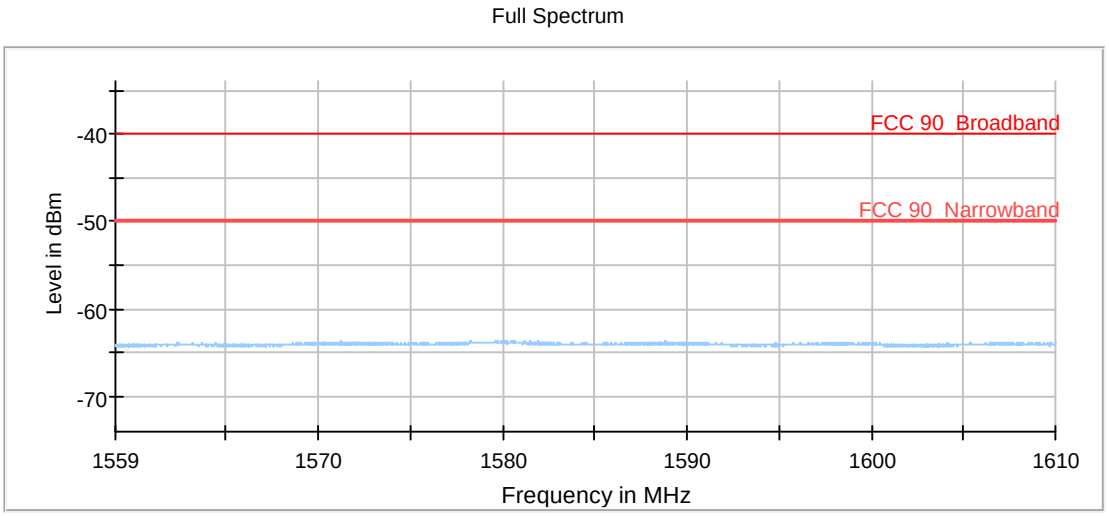
Full Spectrum



8.14d_Traffic_mode_LTE_FDD_B14_CH_23330_GPS_Band_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	LTE_FDD_B14_CH_23330
Operator:	TFra
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

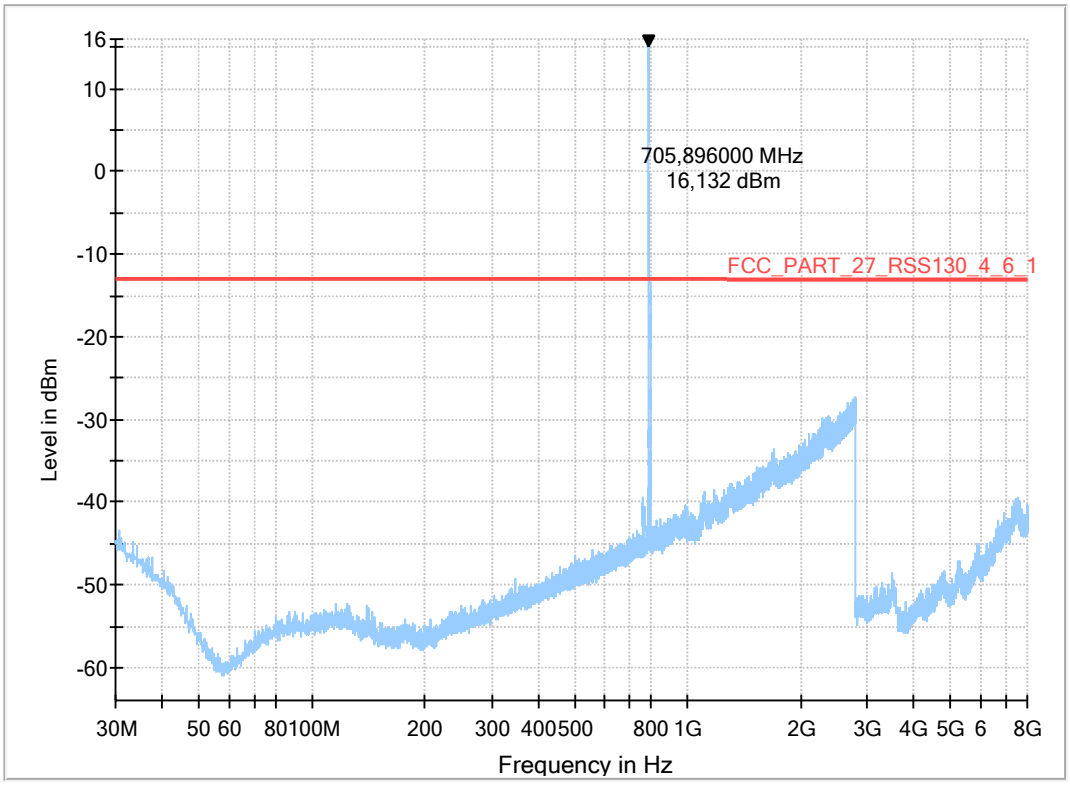


8.17_Traffic_mode_LTE_FDD_B17_CH_23790_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	TX LTE17, Ch 23790, BW=10MHz, RBs=0, QPSK
Operator:	LAb
Comment:	EUT lying / EUT standingEnvironmental Conditions:
EUT Setup:	01
Verdict:	Passed

Full Spectrum



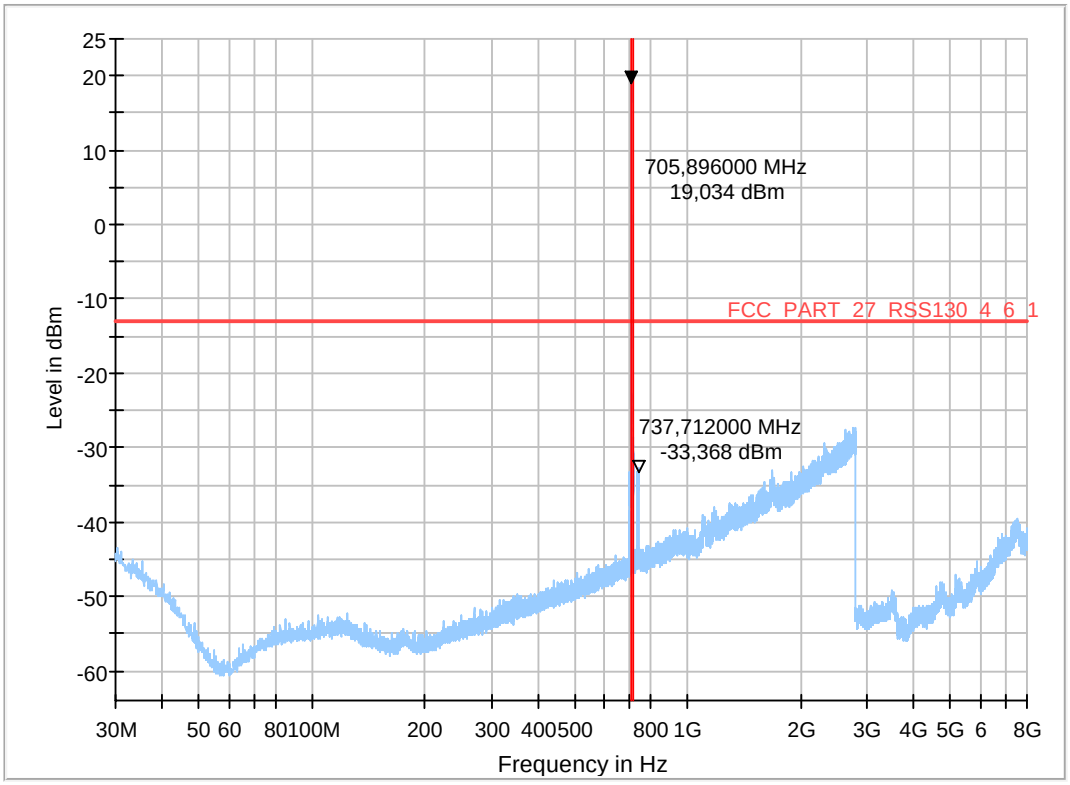
Remark: emission at 705.89 MHz is the uplink of LTE FDD 17 and not relevant to the limit

8.17_Traffic_mode_LTE_FDD_B17_CH_23790_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test software	#Ver
Operating Mode:	Traffic_mode_LTE_FDD_B17_CH_23790_standing
Operator:	ASa/Dma
Comment:	EUT standing
EUT Setup:	01
Verdict:	Passed

Full Spectrum



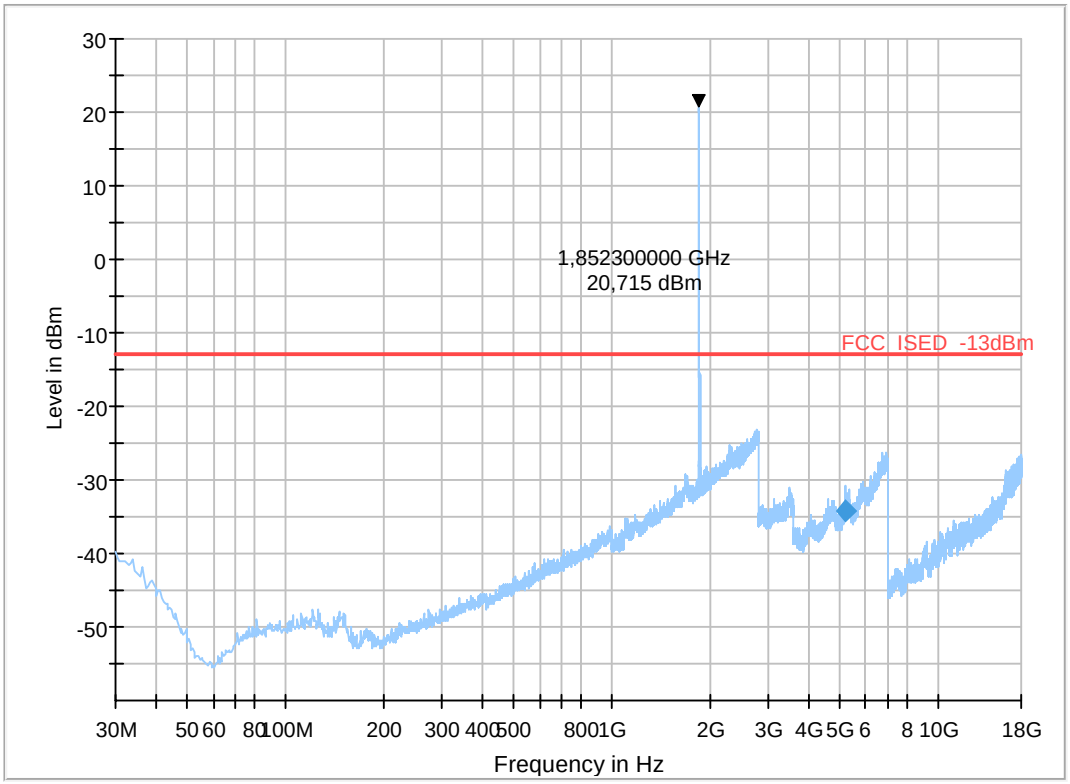
Remark: emission at 705.89 MHz is the uplink of LTE FDD 17 and not relevant to the limit

8.25_Traffic_mode_LTE_FDD_B025_CH_26090_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Measurement software version	EMC32 V10.60.20
Operating Mode:	Traffic_mode_LTE_FDD_B025_CH_26090
Operator:	KTe
Comment:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	lying
Verdict:	Passed

Full Spectrum



Remark: emission at 1.852 GHz is the uplink of LTE FDD 25 and not relevant to the limit

Final_Result

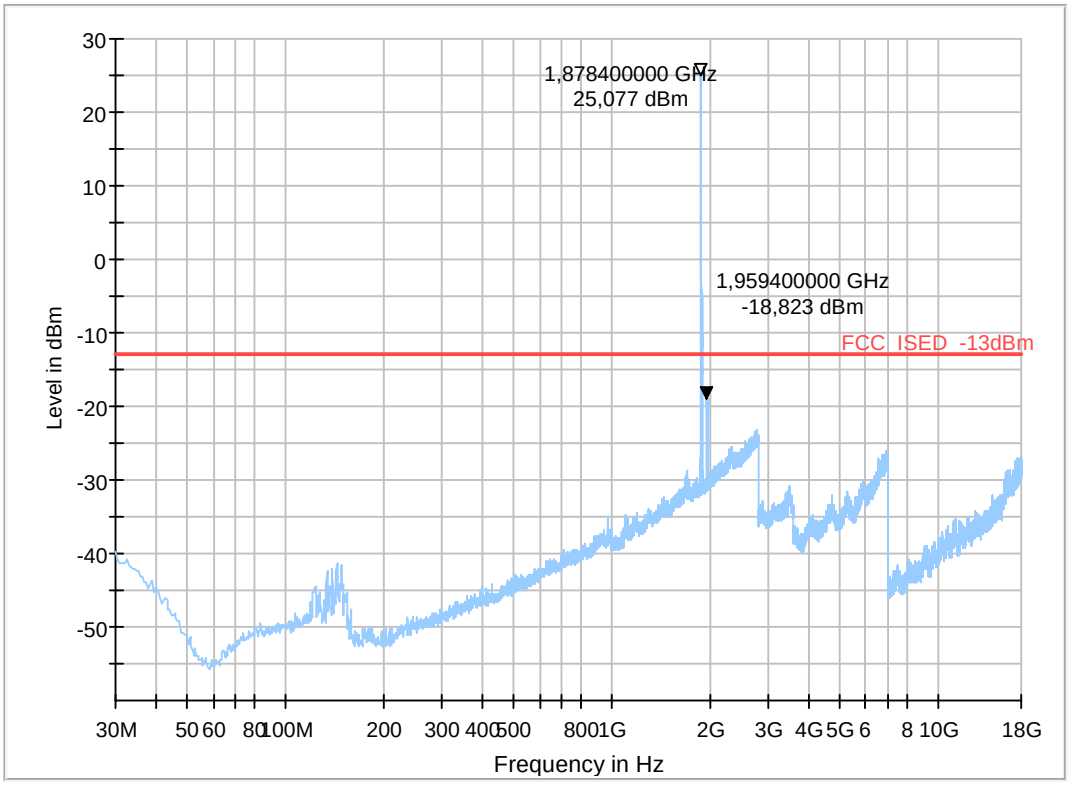
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin	Meas. Time (ms)	Bandwidth	Height	Pol	Azimuth	Corr. (dB)	Comment
5225.568333	-34.21	-13.00	21.21	100.0	1000.000	155.0	H	136.0	-80	14:14:06 - 24.11.2023

8.25_Traffic_mode_LTE_FDD_B025_CH_26090_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Measurement software version	EMC32 V10.60.20
Operating Mode:	LTE_FDD_B025_CH_26090
Operator:	ASa
Comment:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum



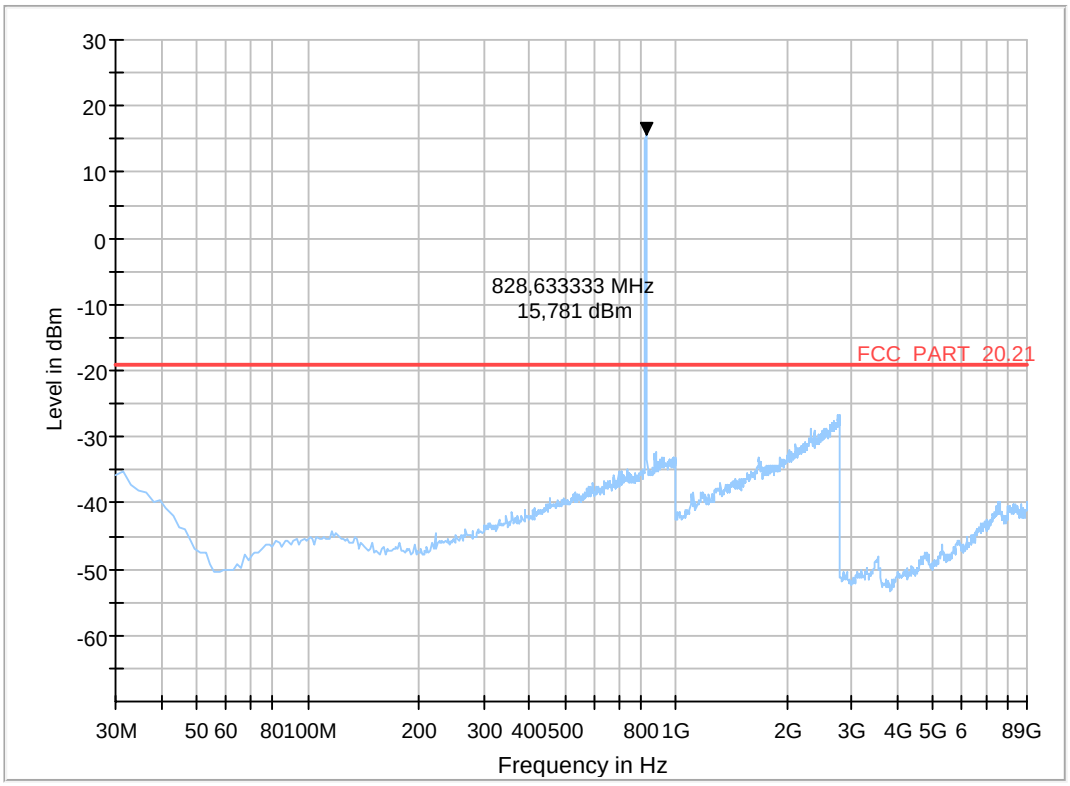
Remark: emission at 1.852 GHz is the uplink of LTE FDD 25 and not relevant to the limit

8.26_Traffic_mode_LTE_FDD_B26_CH_26865_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Traffic_mode_LTE_FDD_B26_CH_26865_RB12_SB0_BW10MHz
Operator:	KTe
Comment:	lying
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed

Full Spectrum

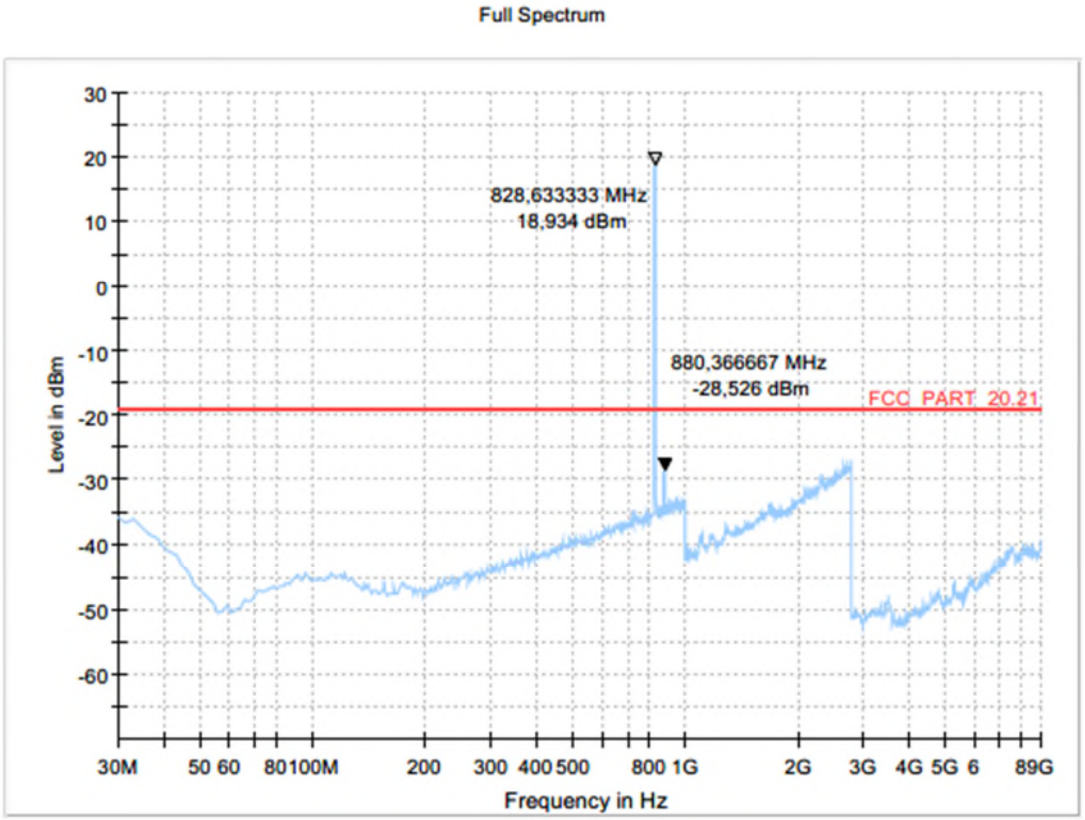


Remark: emission at 828.6 MHz is the uplink of LTE FDD 26 and not relevant to the limit

8.26_Traffic_mode_LTE_FDD_B26_CH_26865_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Traffic_mode_LTE_FDD_B26_CH_26865_RB12_SB0_BW10MHz
Operator:	KTe
Comment:	lying
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	01
Verdict:	Passed



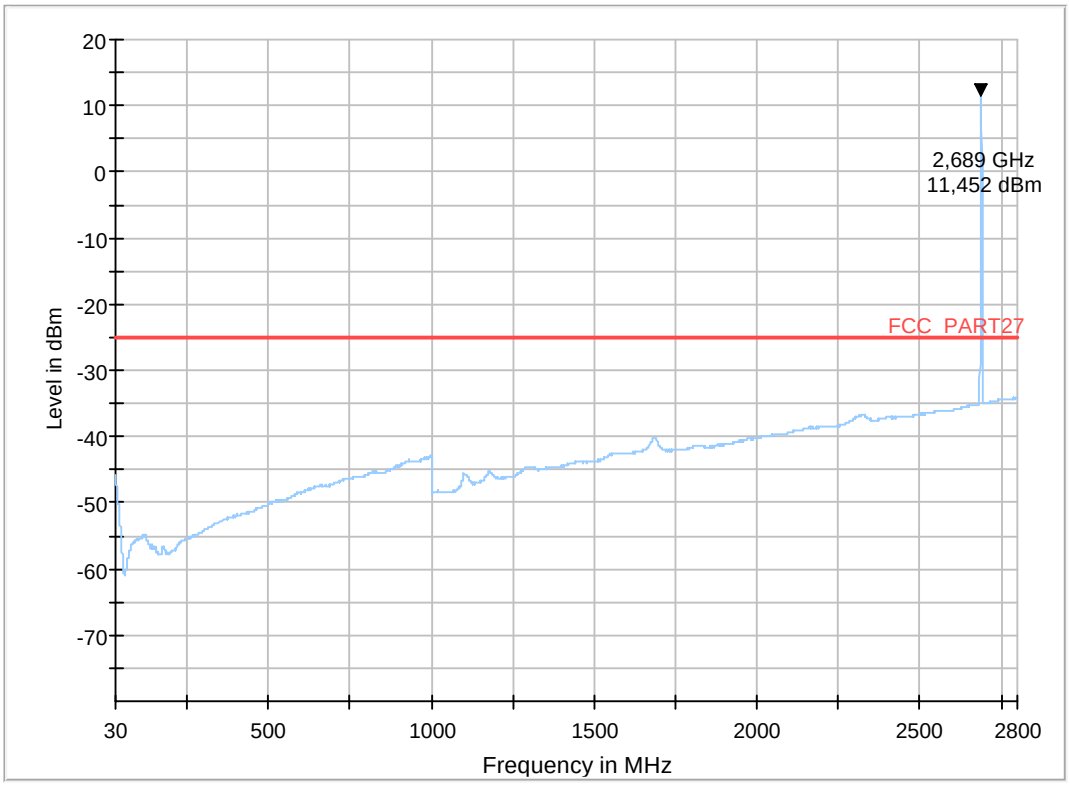
Remark: emission at 828.6 MHz is the uplink of LTE FDD 26 and not relevant to the limit

8.41a_Traffic_mode_LTE_TDD_B41_CH_41540_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Traffic_mode_LTE_TDD_B41_CH_41540_RB12_SB38_BW10MHz
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	KTe
Remarks:	lying
EUT Setup:	01
Verdict:	Passed

Full Spectrum



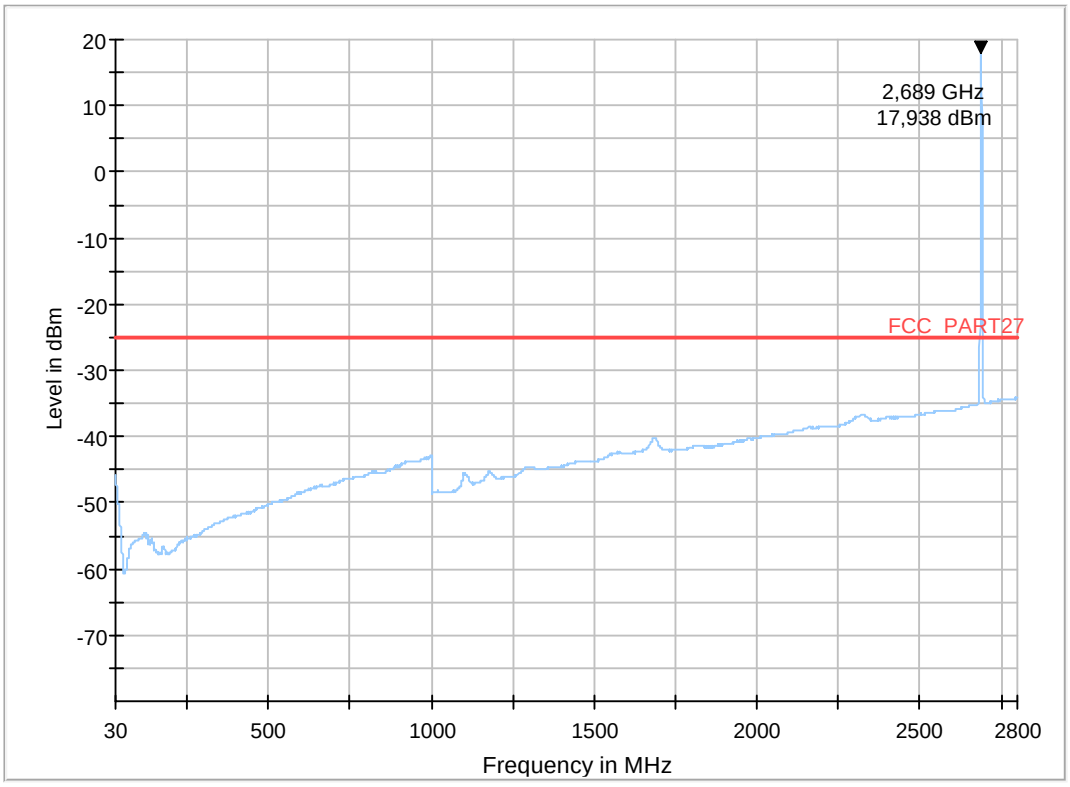
Remark: emission at 2.689 GHz is the uplink of LTE FDD 41 and not relevant to the limit

8.41a_Traffic_mode_LTE_TDD_B41_CH_41540_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Traffic_mode_LTE_TDD_B41_CH_41540_RB12_SB38_BW10MHz
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	KTe
Remarks:	standing
EUT Setup:	01
Verdict:	Passed

Full Spectrum



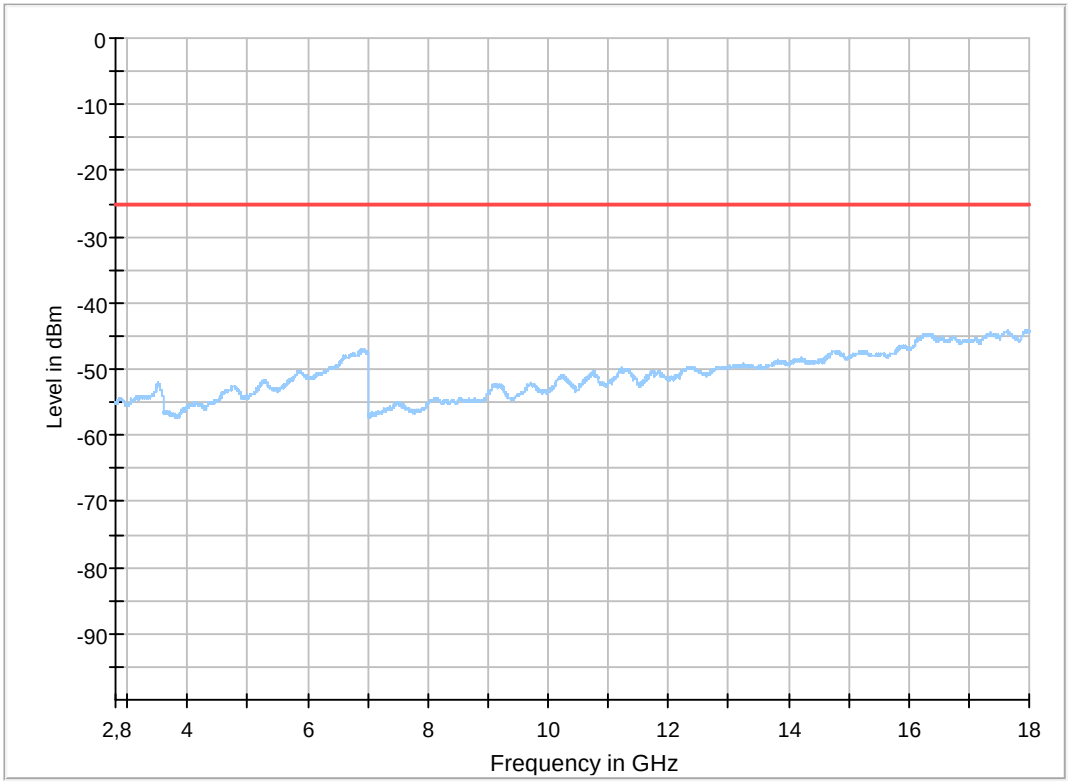
Remark: emission at 2.689 GHz is the uplink of LTE FDD 41 and not relevant to the limit

8.41b_Traffic_mode_LTE_TDD_B41_CH_41540_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Traffic_mode_LTE_TDD_B41_CH_41540_RB12_SB38_BW10MHz
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Operator:	KTe
EUT Setup:	lying
Verdict:	Passed

Full Spectrum

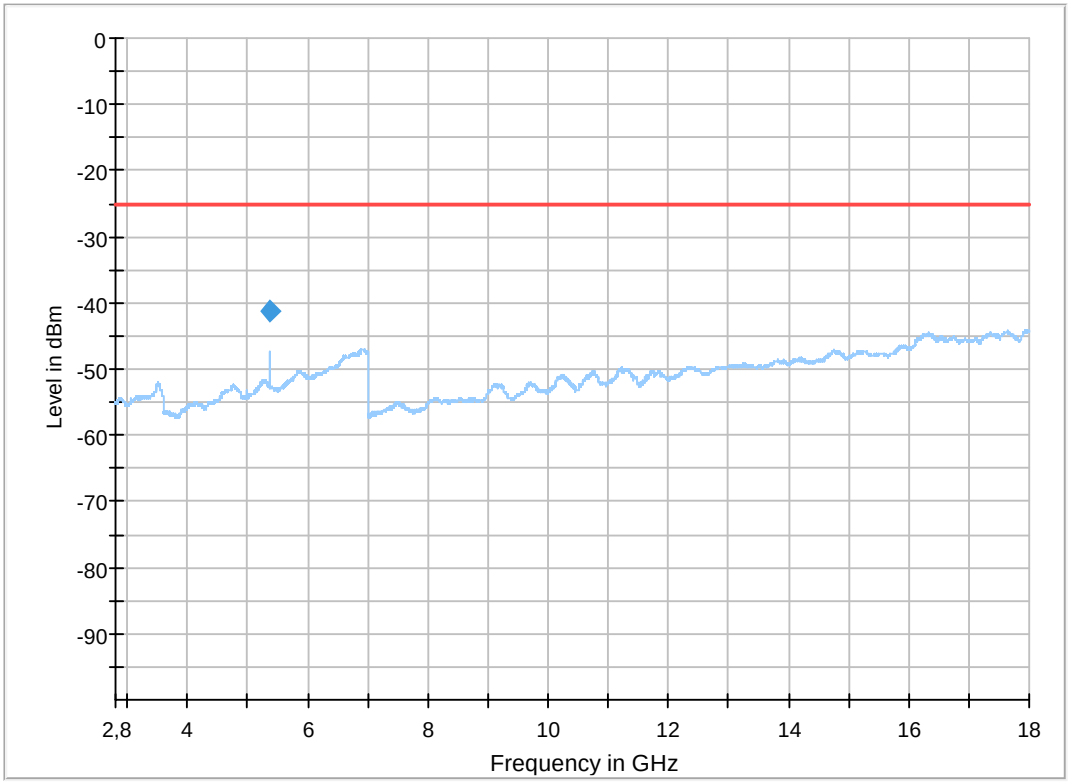


8.41b_Traffic_mode_LTE_TDD_B41_CH_41540_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Traffic_mode_LTE_TDD_B41_CH_41540_RB12_SB38_BW10MHz
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Operator:	KTe
EUT Setup:	standing
Verdict:	Passed

Full Spectrum



Final_Result

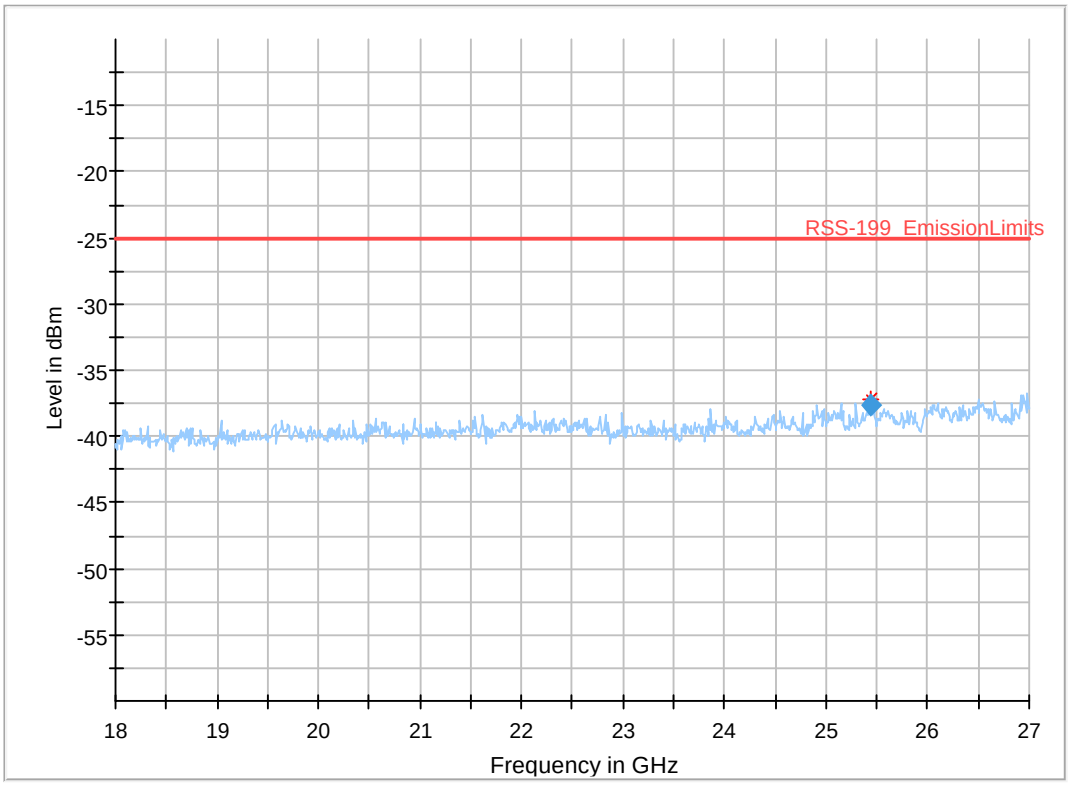
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
5376.910000	-41.30	-25.00	16.30	1000.0	1000.000	V	53.0	0.0	-80

8.41c1_Traffic_mode_LTE_TDD_B41_CH_41540_AntV_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	LTE Band 41
Operating Mode:	MS allocated channel 41540/BW=10MHz/12RB/Pos 38
Environmental Conditions:	Humidity: 37%rH; Temperature: 22.8°C
Operator:	Lor
Verdict:	Passed

Full Spectrum



Final_Result

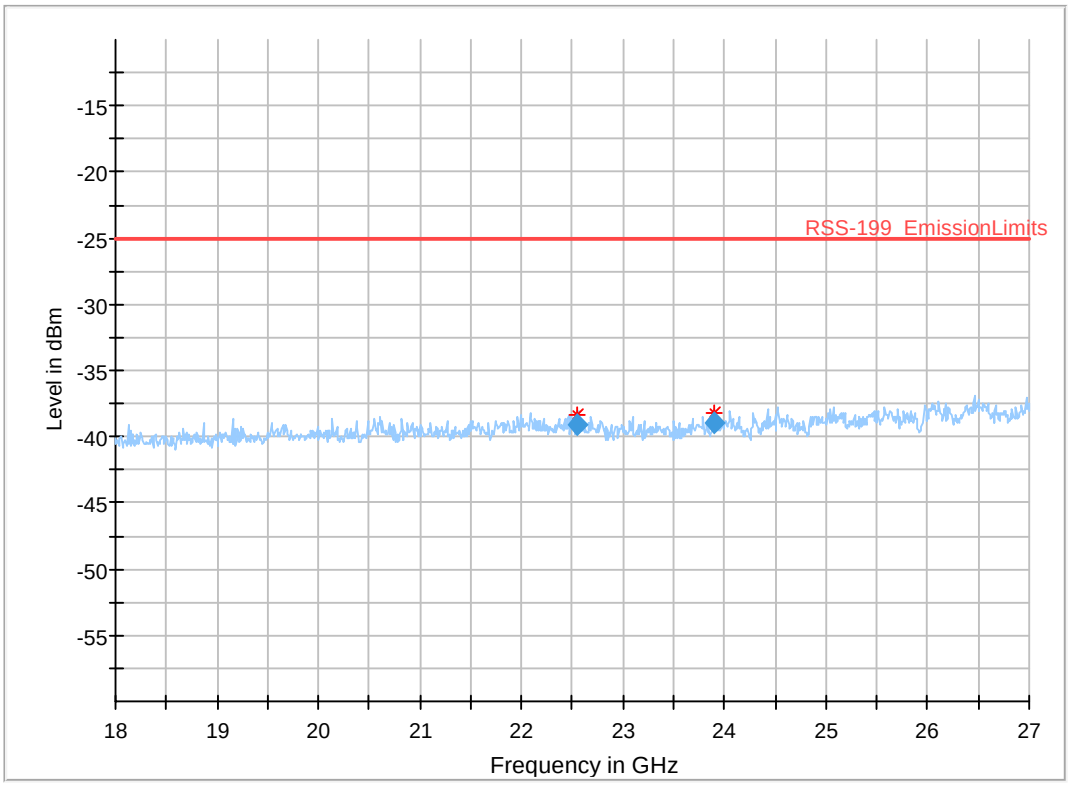
Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB)
25442.220000	-25.00	12.65	500.0	155.0	V	256.0	-55.1	2.7	66.6	-124.3

8.41c1_Traffic_mode_LTE_TDD_B41_CH_41540_AntV_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	LTE Band 41
Operating Mode:	MS allocated channel 41540/BW=10MHz/12RB/Pos 38
Environmental Conditions:	Humidity: 37%rH; Temperature: 22.6°C
Operator:	Lor
Verdict:	Passed

Full Spectrum



Final_Result

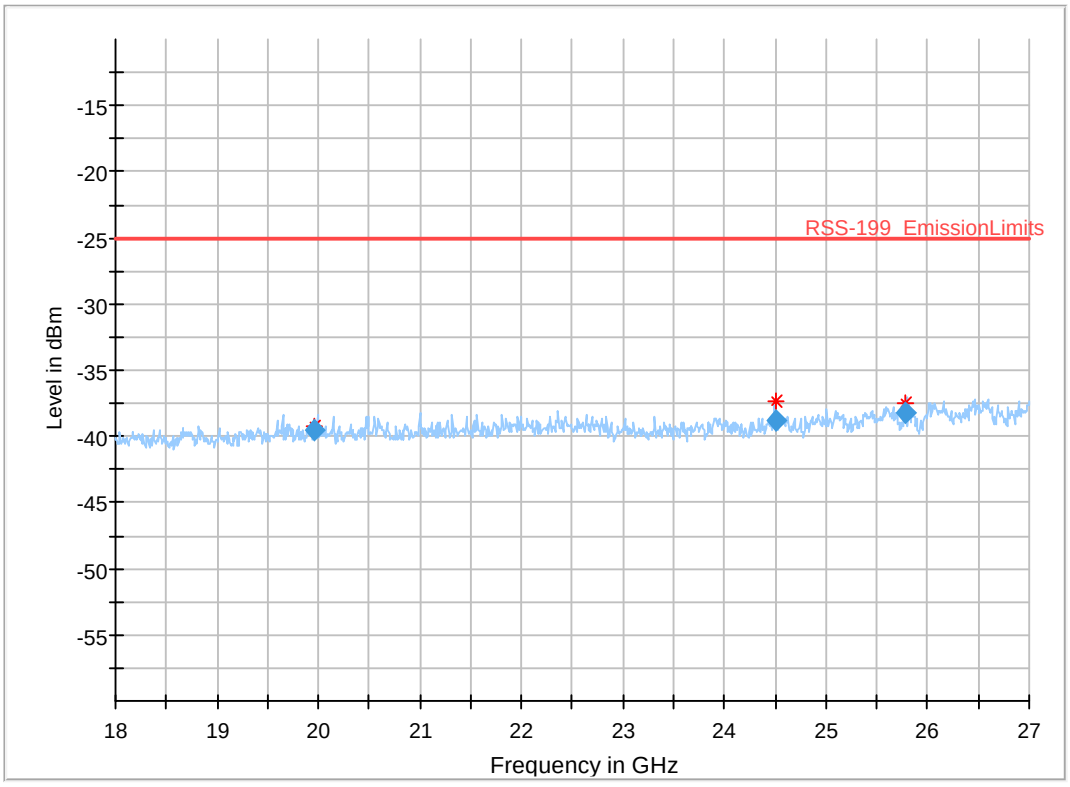
Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB)
22557.000000	-25.00	14.15	500.0	155.0	V	79.0	-55.6	2.5	65.5	-123.7
23893.200000	-25.00	13.92	500.0	155.0	V	55.0	-55.5	2.6	66.0	-124.1

8.41c2_Traffic_mode_LTE_TDD_B41_CH_41540_AntH_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	LTE Band 41
Operating Mode:	MS allocated channel 41540/BW=10MHz/12RB/Pos 38
Environmental Conditions:	Humidity: 37%rH; Temperature: 22.8°C
Operator:	Lor
Verdict:	Passed

Full Spectrum



Final_Result

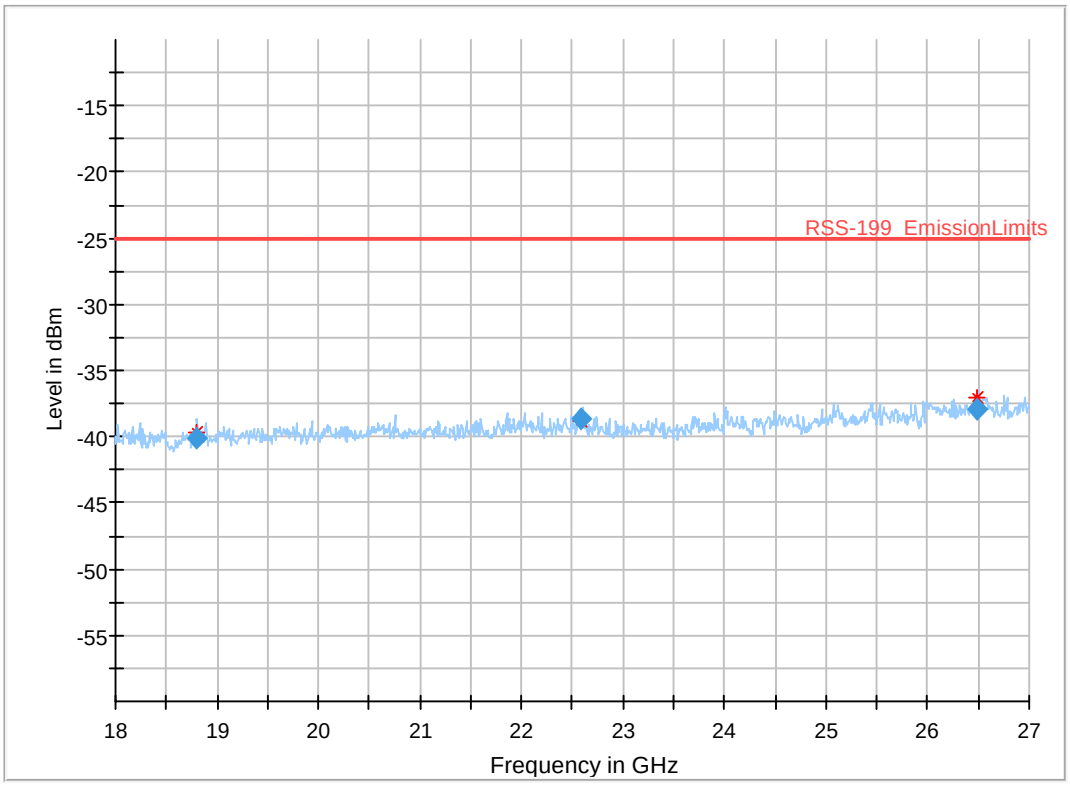
Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB)
19963.440000	-25.00	14.58	500.0	155.0	H	325.0	-56.0	2.4	64.5	-122.9
24501.840000	-25.00	13.79	500.0	155.0	H	325.0	-55.4	2.6	66.2	-124.3
25781.460000	-25.00	13.27	500.0	155.0	H	184.0	-54.9	2.7	66.7	-124.3

8.41c2_Traffic_mode_LTE_TDD_B41_CH_41540_AntH_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Comm. Link:	LTE Band 41
Operating Mode:	MS allocated channel 41540/BW=10MHz/12RB/Pos 38
Environmental Conditions:	Humidity: 37%rH; Temperature: 22.6°C
Operator:	Lor
Verdict:	Passed

Full Spectrum



Final_Result

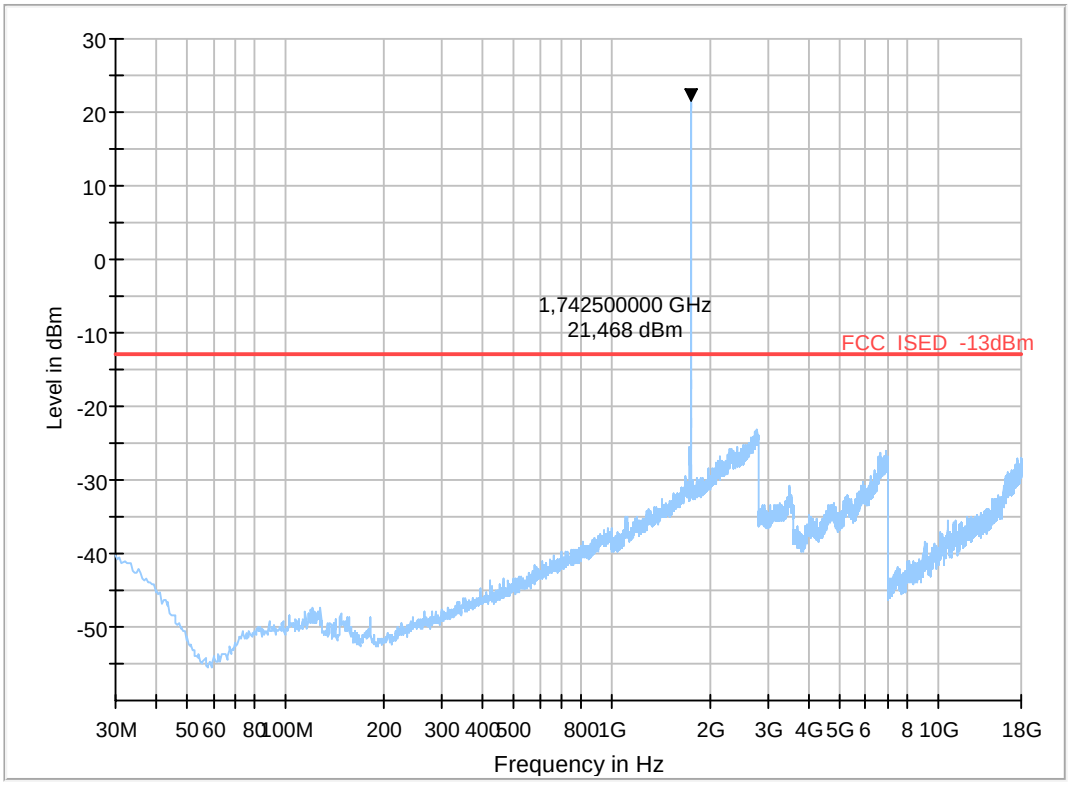
Frequency (MHz)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)	Preamp (dB)	Trd Corr. (dB)
18807.060000	-25.00	15.15	500.0	155.0	H	49.0	-56.1	2.4	63.9	-122.4
22585.260000	-25.00	13.60	500.0	155.0	H	15.0	-55.6	2.5	65.5	-123.7
26490.540000	-25.00	12.98	500.0	155.0	H	146.0	-54.5	2.7	66.9	-124.1

8.66_Traffic_mode_LTE_FDD_B66_CH_132322_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Measurement software version	EMC32 V10.60.20
Operating Mode:	Traffic_mode_LTE_FDD_B66_CH_132322
Operator:	KTe
Comment:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	lying
Verdict:	Passed

Full Spectrum



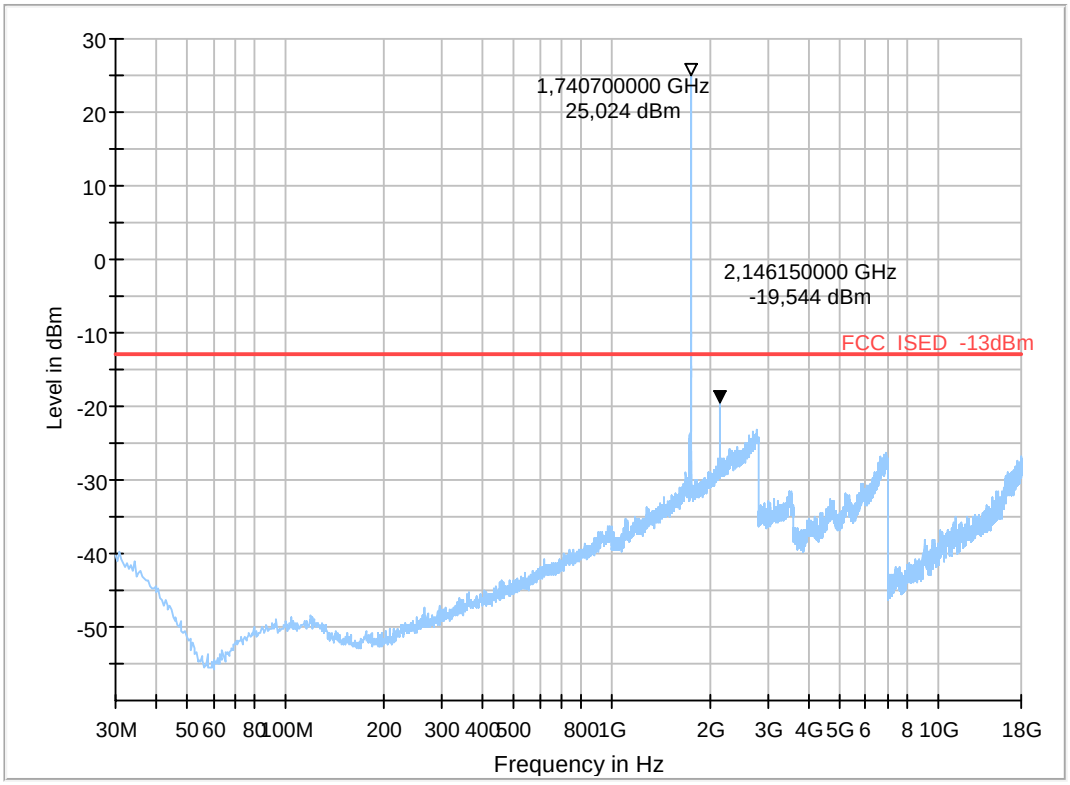
Remark: emission at 1.742 GHz is the uplink of LTE FDD 66 and not relevant to the limit

8.66_Traffic_mode_LTE_FDD_B66_CH_132322_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Measurement software version	EMC32 V10.60.20
Operating Mode:	Traffic_mode_LTE_FDD_B66_CH_132322
Operator:	ASa
Comment:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	standing
Verdict:	Passed

Full Spectrum



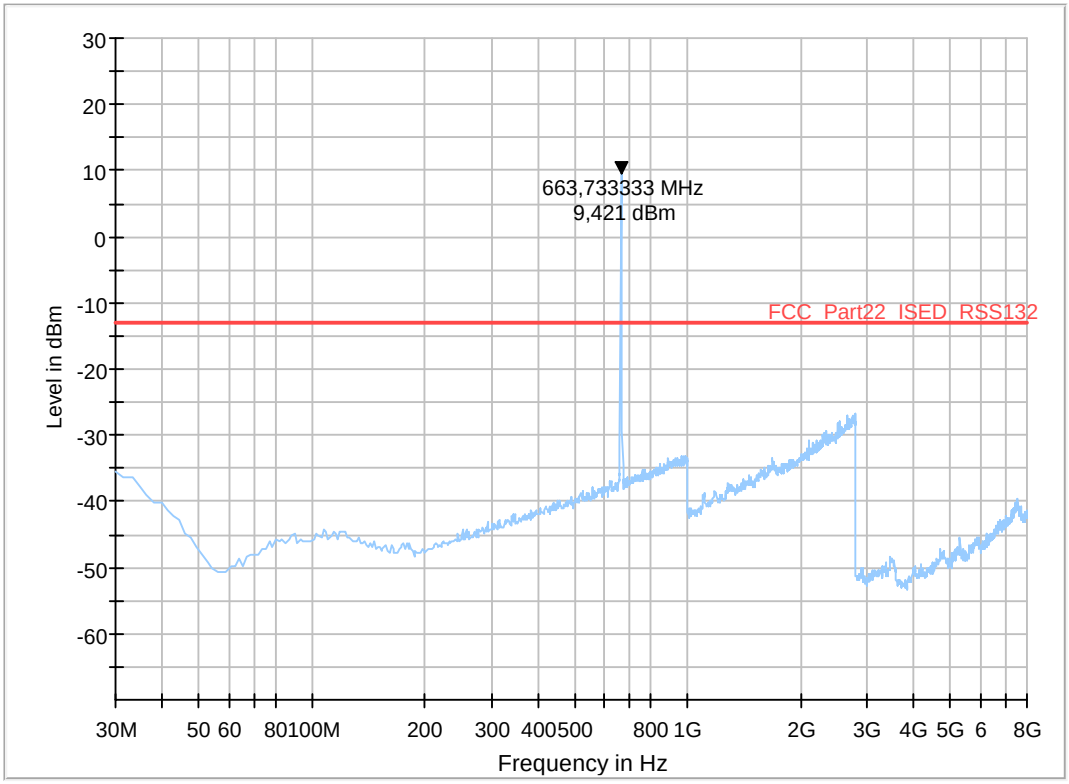
Remark: emission at 1.740 GHz is the uplink of LTE FDD 66 and not relevant to the limit

8.71_Traffic_mode_LTE_FDD_B71_CH_133172_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Traffic_mode_LTE_FDD_B71_CH_133172
Operator:	KTe
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	lying
Verdict:	Passed

Full Spectrum



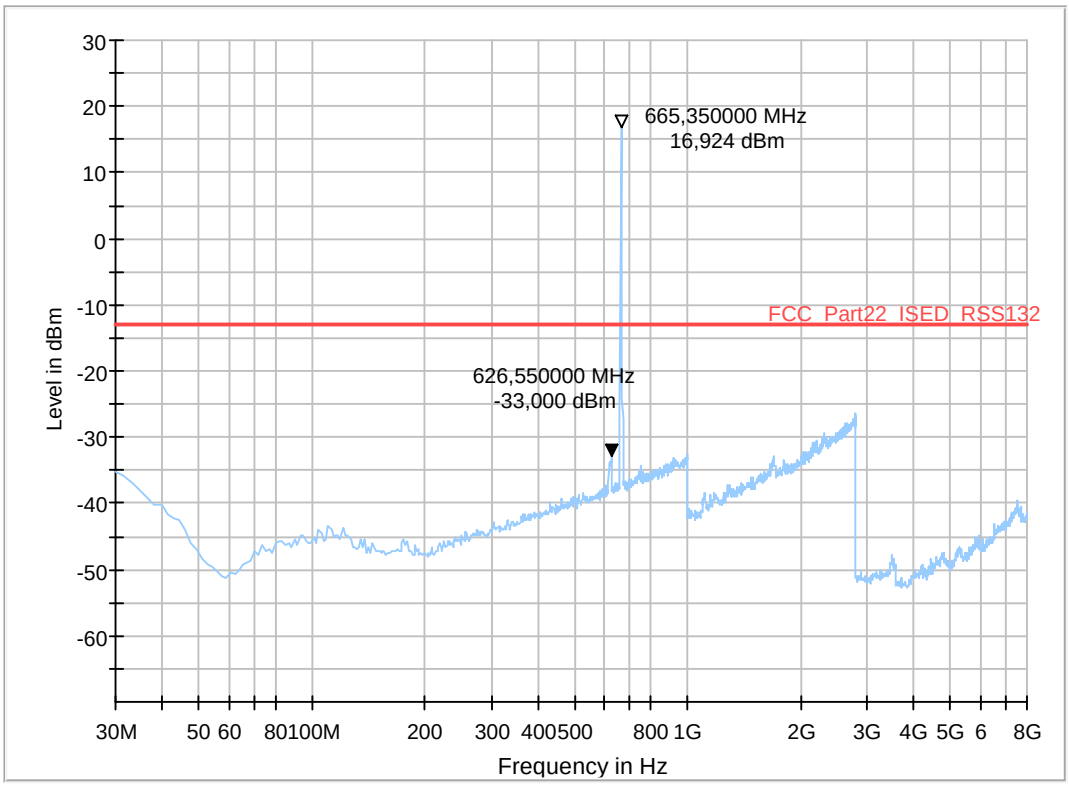
Remark: emission at 663.7 MHz is the uplink of LTE FDD 71 and not relevant to the limit

8.71_Traffic_mode_LTE_FDD_B71_CH_133172_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Traffic_mode_LTE_FDD_B71_CH_133172
Operator:	ASa
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	standing
Verdict:	Passed

Full Spectrum



Remark: emission at 665.3 MHz is the uplink of LTE FDD 71 and not relevant to the limit

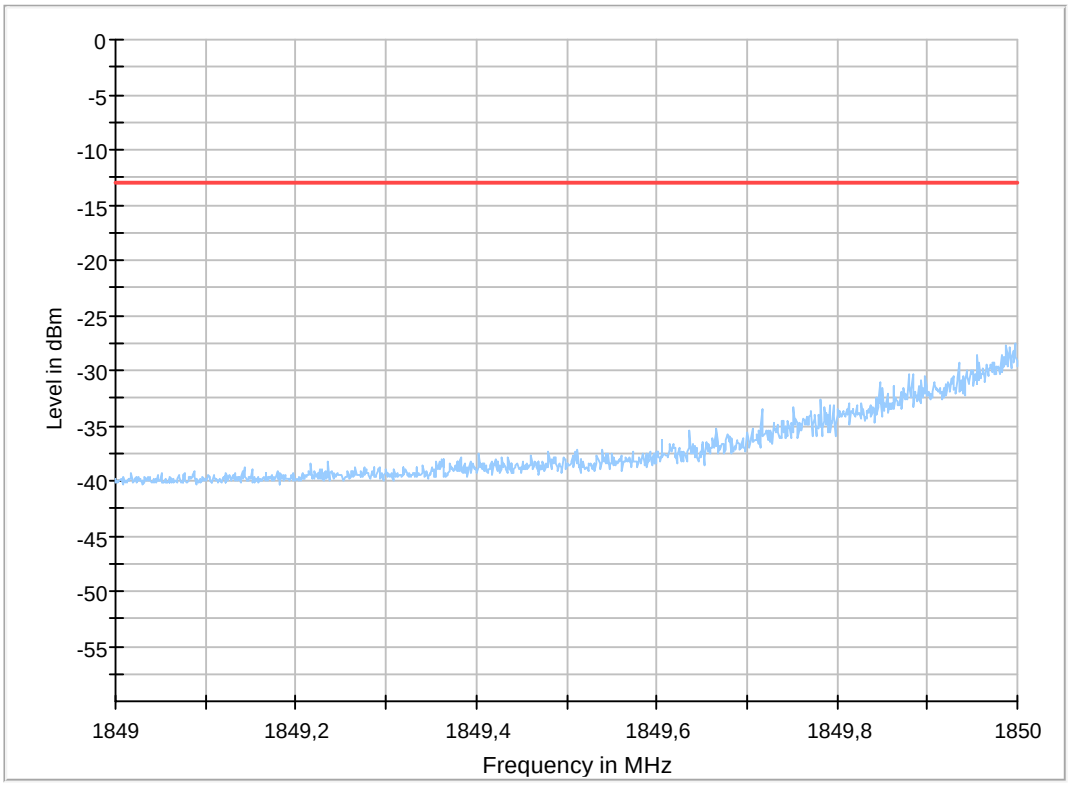
1.3 Band-Edge

9.201_Bandedge_low_LTE_FDD_B02_CH_low_RB_1_low

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Bandedge, CL 18650, RB low
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum

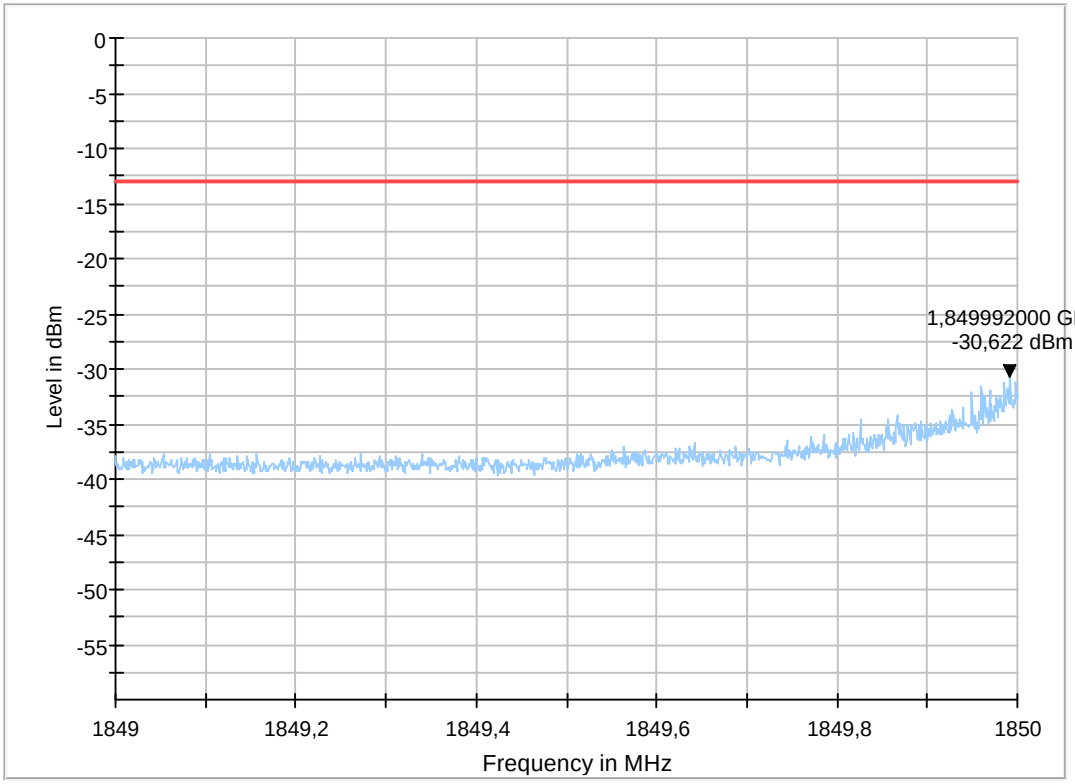


9.201_Bandedge_low_LTE_FDD_B02_CH_low_RB_1_low_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_low_LTE_FDD_B02_CH_low_RB_1_low_lying
Environmental Conditions:	Humidity : 54%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum

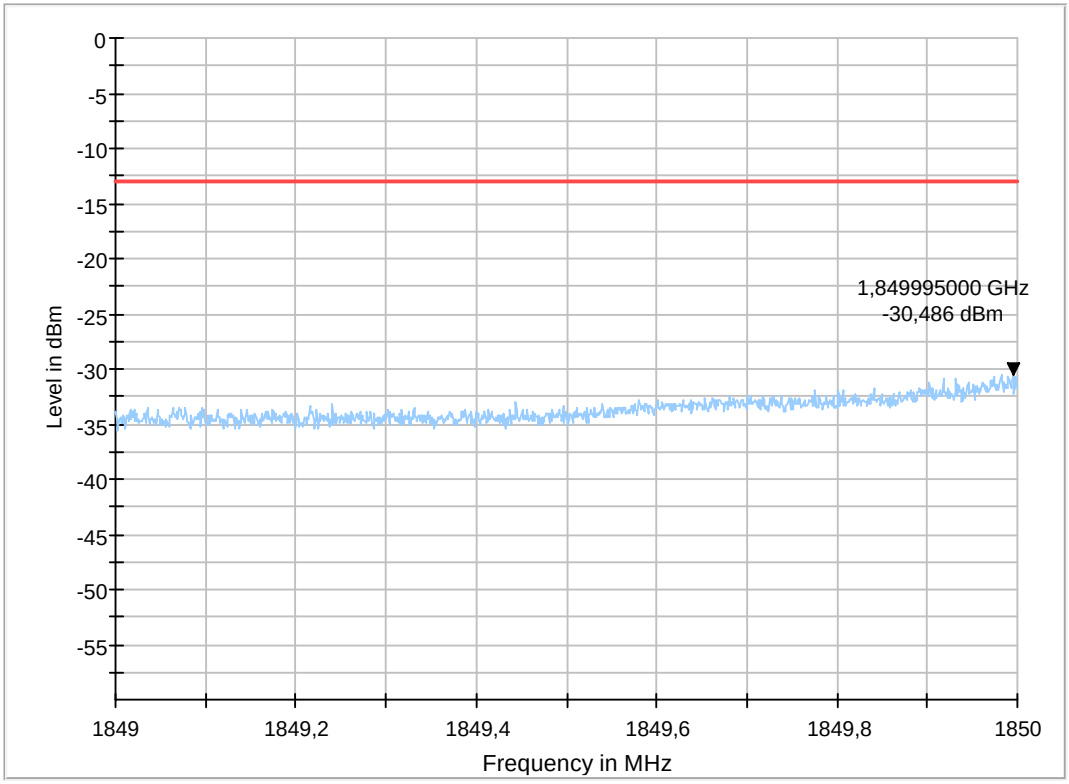


9.202_Bandedge_low_LTE_FDD_B02_CH_low_RB_Full_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_low_LTE_FDD_B02_CH_low_RB_Full_low_lying
Environmental Conditions:	Humidity : 54%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum

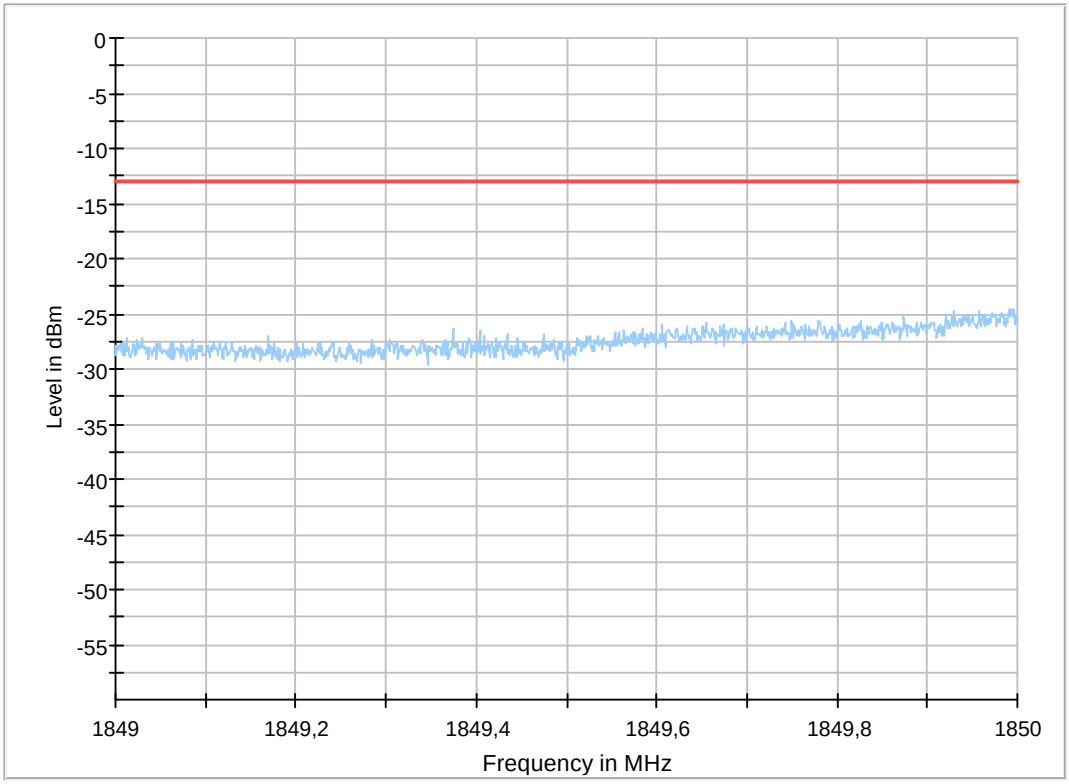


9.202_Bandedge_low_LTE_FDD_B02_CH_low_RB_Full_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge, CL 18650, RB high
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum

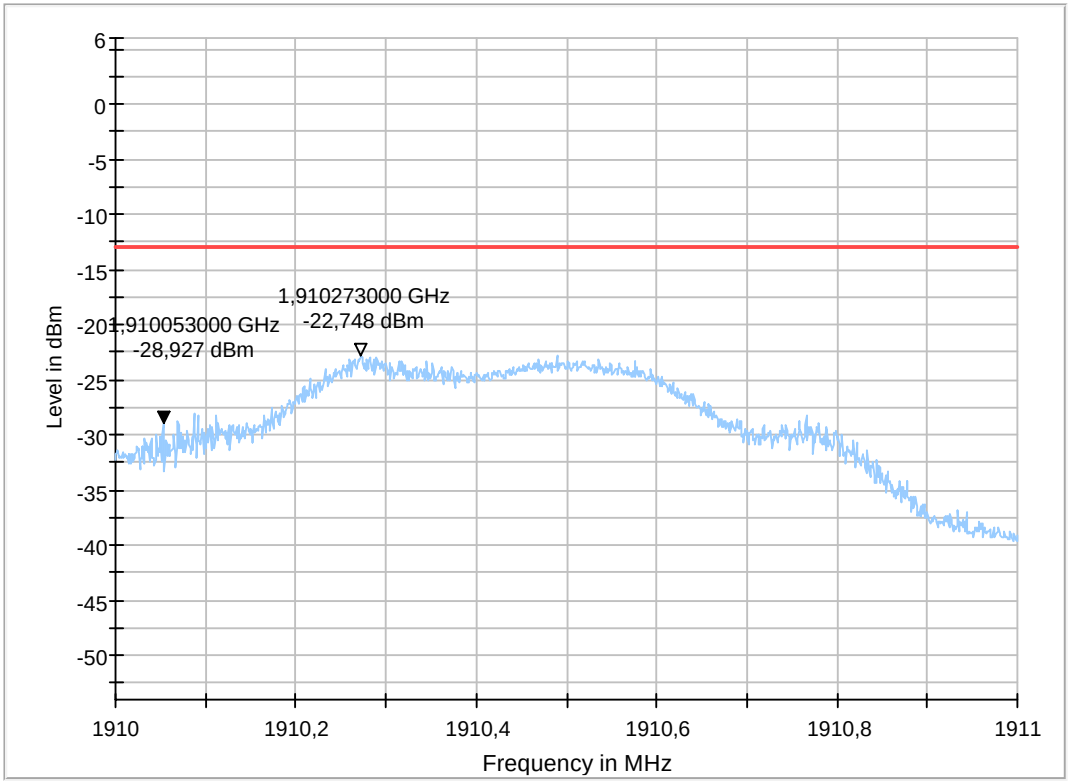


9.203_Bandedge_high_LTE_FDD_B02_CH_high_RB_1_high_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_high_LTE_FDD_B02_CH_high_RB_1_high_lying
Environmental Conditions:	Humidity : 54%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum

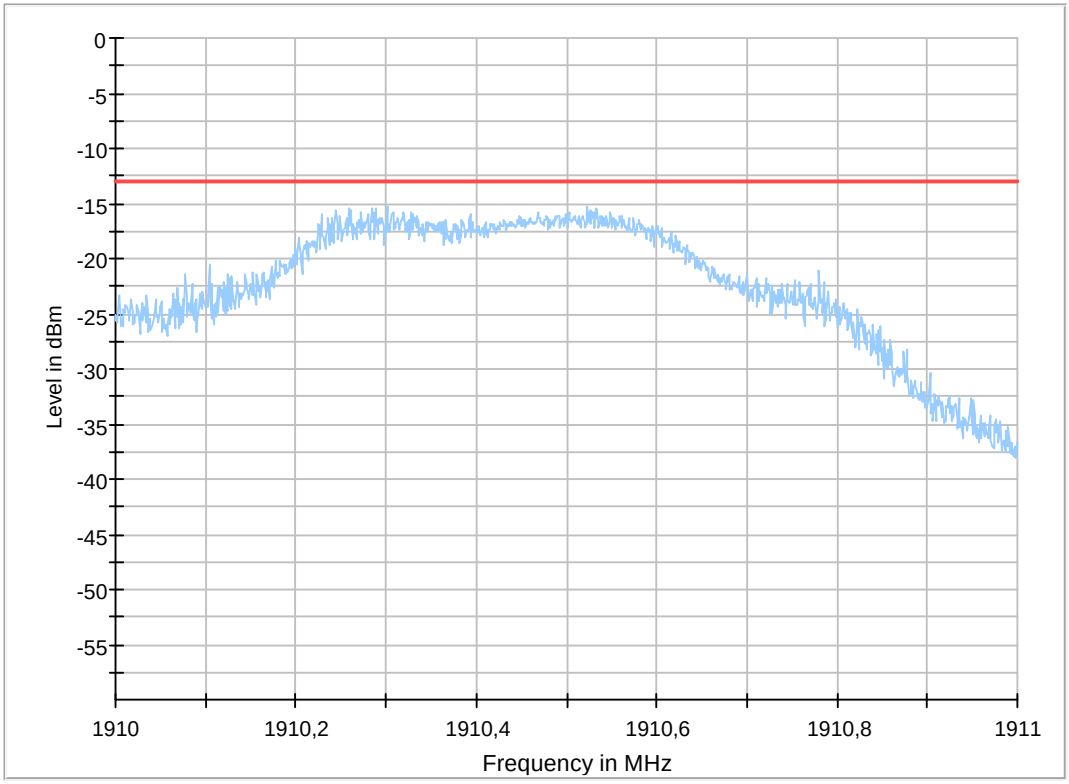


9.203_Bandedge_high_LTE_FDD_B02_CH_high_RB_1_high_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_high_LTE_FDD_B02_CH_high_RB_1_high_standing
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	Dma
EUT Setup:	01
Verdict:	Passed

Full Spectrum

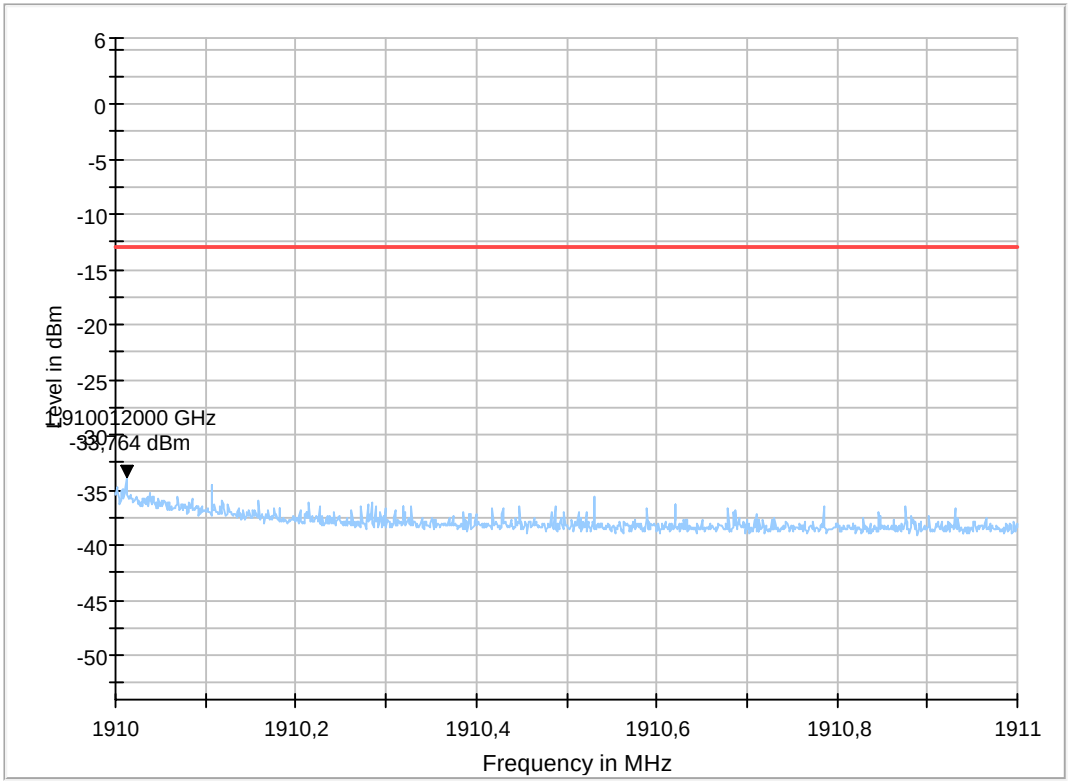


9.204_Bandedge_high_LTE_FDD_B02_CH_high_RB_Full_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_high_LTE_FDD_B02_CH_high_RB_Full_high_lying
Environmental Conditions:	Humidity : 54%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum

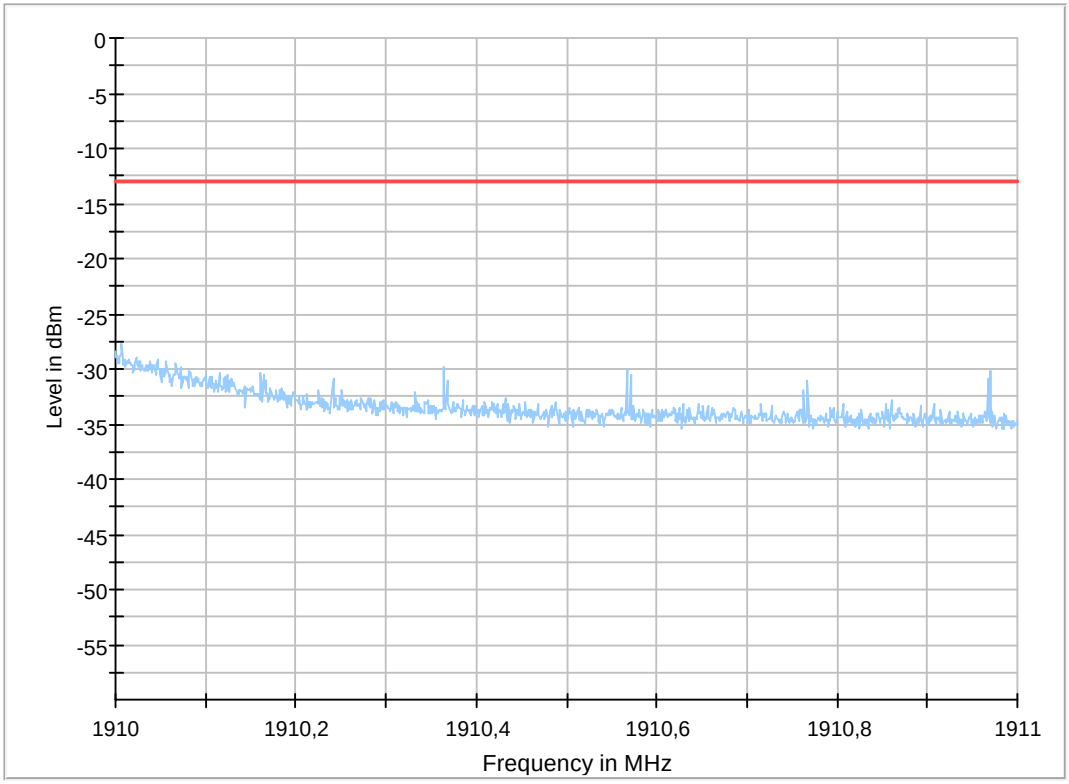


9.204_Bandedge_high_LTE_FDD_B02_CH_high_RB_Full_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_high_LTE_FDD_B02_CH_high_RB_Full_standing
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	Dma
EUT Setup:	01
Verdict:	Passed

Full Spectrum

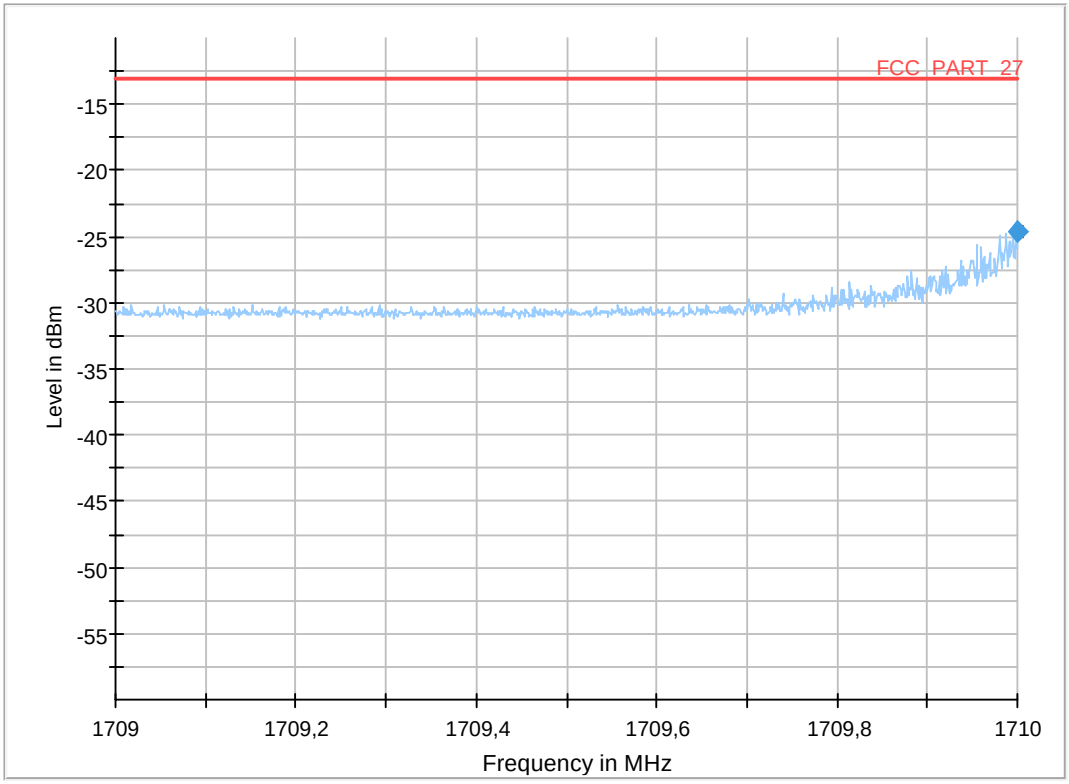


9.401_Bandedge_low_LTE_FDD_B04_CH_low_RB_1_low_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge, CL 20000, RB low
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum



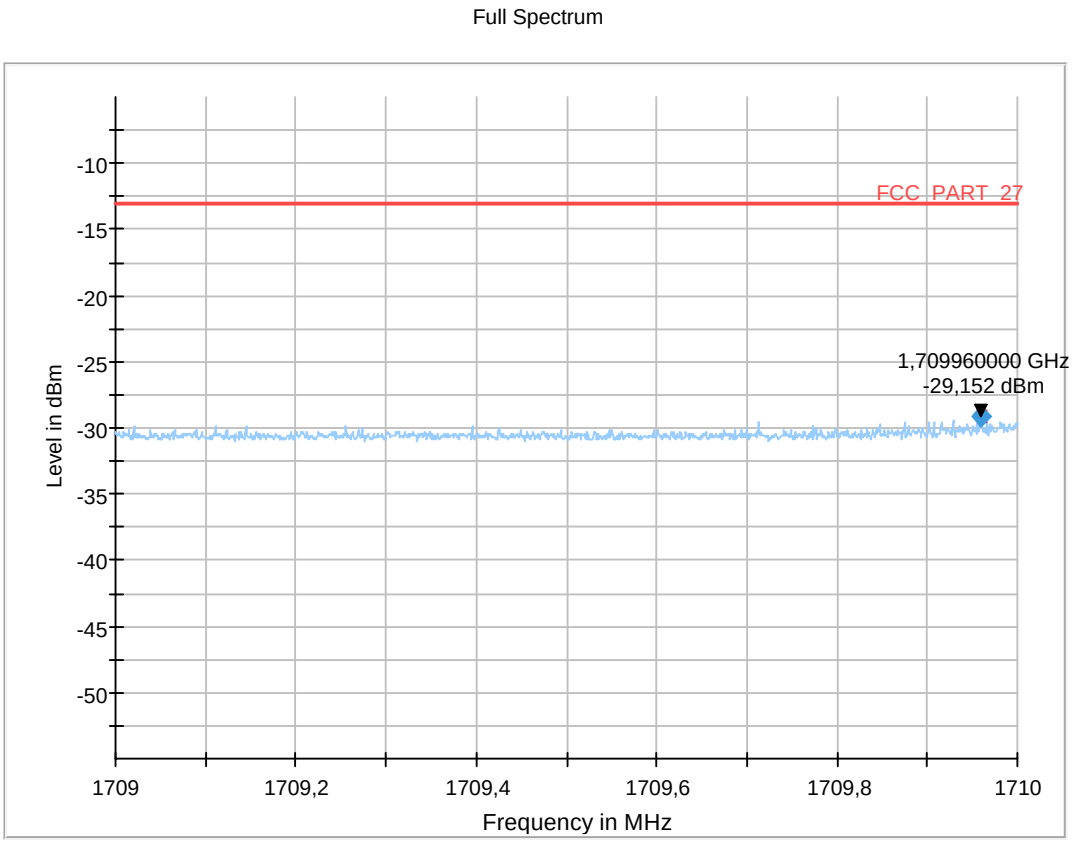
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
1709.999000	-24.55	-13.00	11.55	700.0	100.000	V	45.0	0.0	-62

9.402_Bandedge_low_LTE_FDD_B04_CH_low_RB_Full_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_low_LTE_FDD_B04_CH_low_RB_Full_low_lying
Environmental Conditions:	Humidity : 54%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed



Final_Result

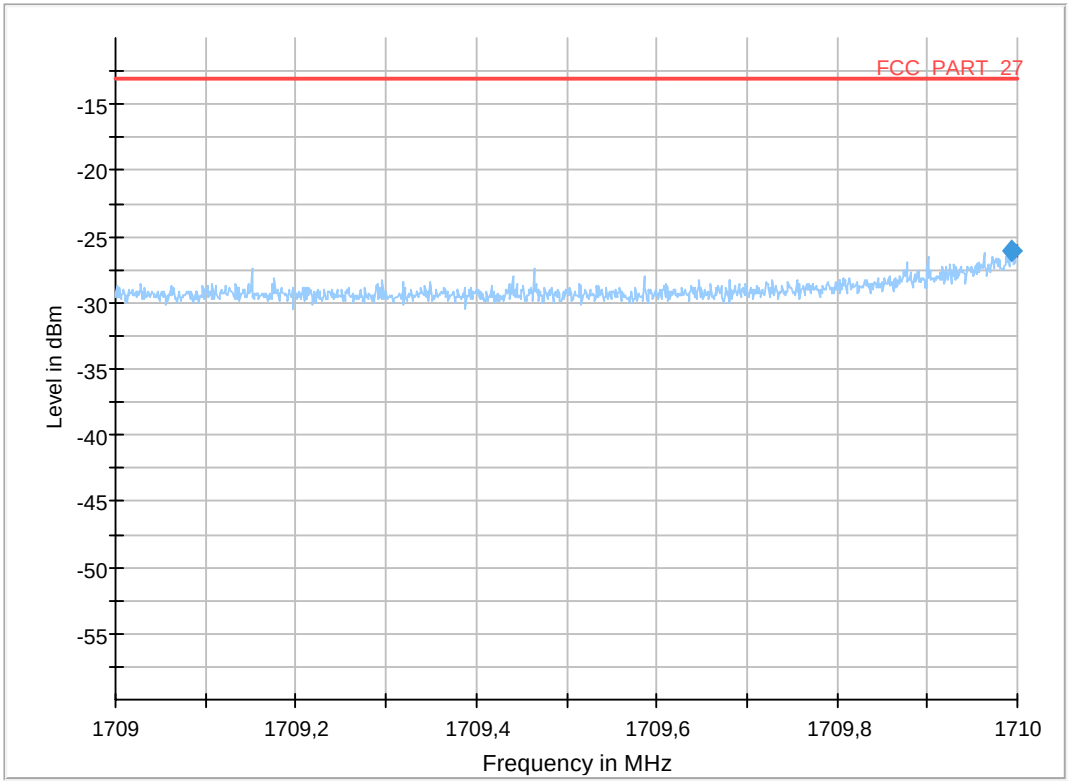
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
1709.960000	-29.15	-13.00	16.15	700.0	100.000	H	289.0	0.0	-62

9.402_Bandedge_low_LTE_FDD_B04_CH_low_RB_Full_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge, CL 20000, RB High
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum



Final_Result

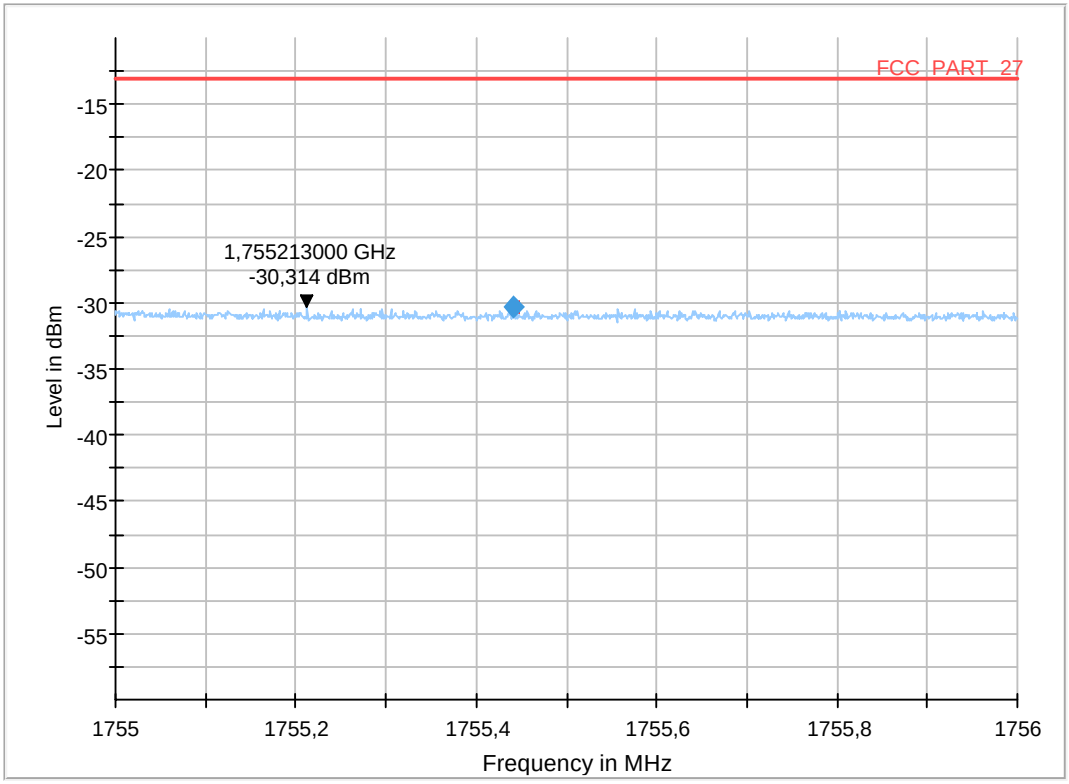
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
1709.994000	-26.03	-13.00	13.03	700.0	100.000	V	52.0	0.0	-62

9.403_Bandedge_high_LTE_FDD_B04_CH_high_RB_1_high_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_high_LTE_FDD_B04_CH_high_RB_1_lying
Environmental Conditions:	Humidity : 54%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum



Final_Result

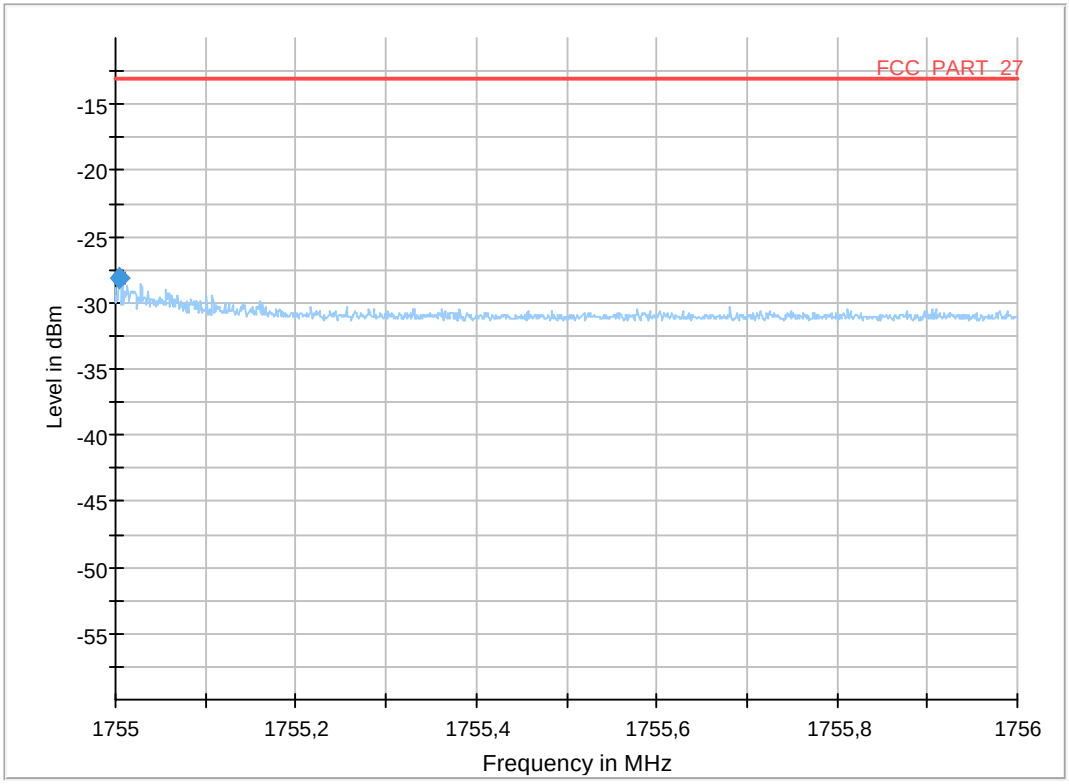
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
1755.442000	-30.30	-13.00	17.30	700.0	100.000	V	197.0	0.0	-62

9.403_Bandedge_high_LTE_FDD_B04_CH_high_RB_1_high_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_high_LTE_FDD_B04_CH_high_RB_1_high_standing
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Operator:	Dma
EUT Setup:	01
Verdict:	Passed

Full Spectrum



Final_Result

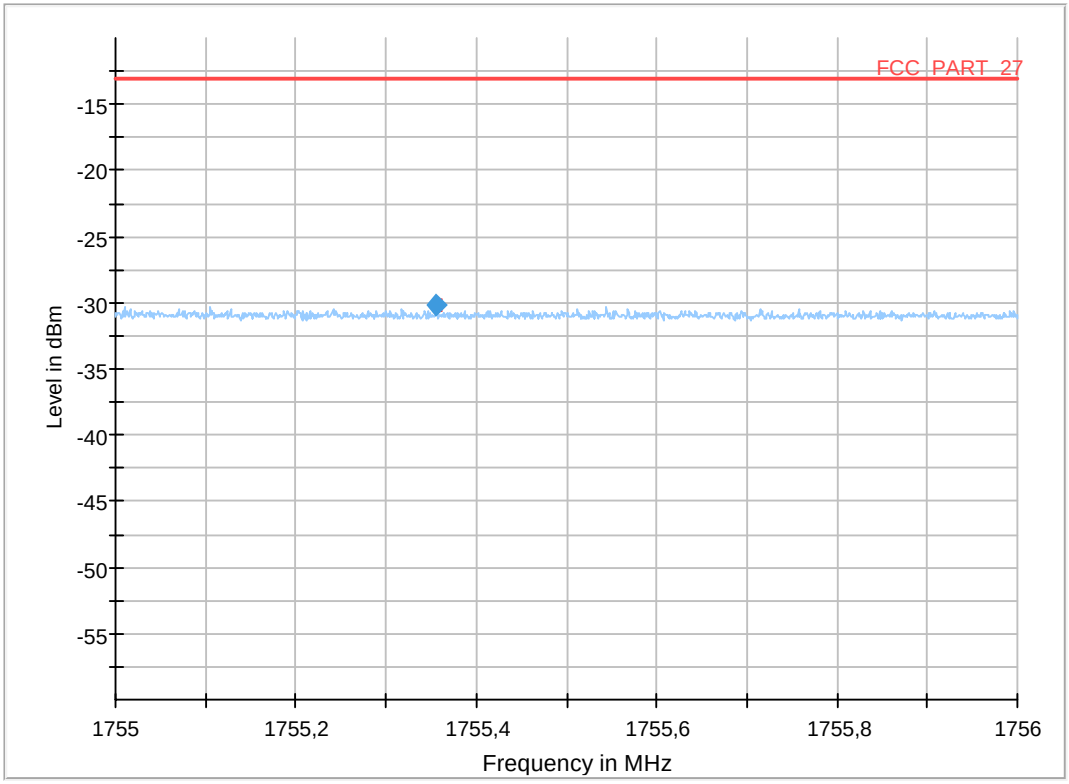
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
1755.004000	-28.12	-13.00	15.12	700.0	100.000	V	47.0	0.0	-62

9.403_Bandedge_high_LTE_FDD_B04_CH_high_RB_1_high_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_high_LTE_FDD_B04_CH_high_RB_Full_lying
Environmental Conditions:	Humidity : 54%rH; Temperature: 20°C
Operator:	LAb
EUT Setup:	01
Verdict:	Passed

Full Spectrum



Final_Result

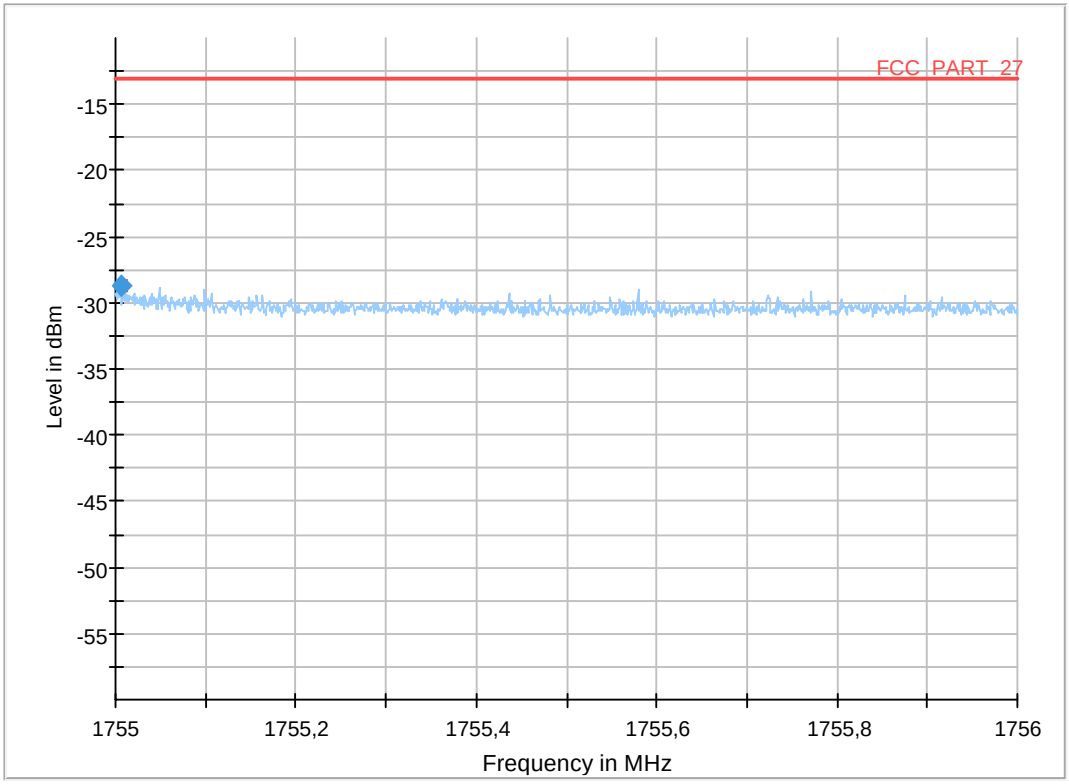
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
1755.356000	-30.14	-13.00	17.14	700.0	100.000	V	315.0	0.0	-62

9.404_Bandedge_high_LTE_FDD_B04_CH_high_RB_Full_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Test Case:	-
Operating Mode:	Bandedge_high_LTE_FDD_B04_CH_high_RB_Full_standing
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	Dma
EUT Setup:	01
Verdict:	Passed

Full Spectrum



Final_Result

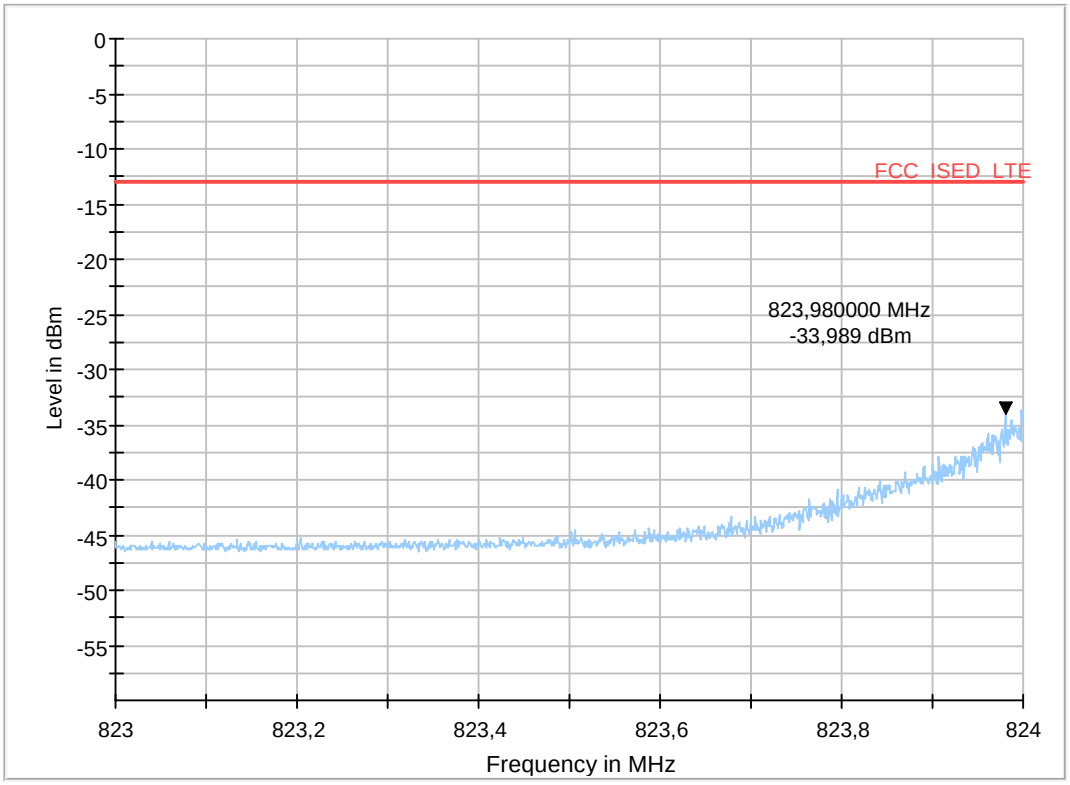
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
1755.006000	-28.73	-13.00	15.73	700.0	100.000	V	52.0	0.0	-62

9.501_Bandedge_low_LTE_FDD_B05_CH_low_RB_1_low_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	UE allocated channel 20450
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	
Operator:	LAb
Remarks:	EUT - lying/standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum

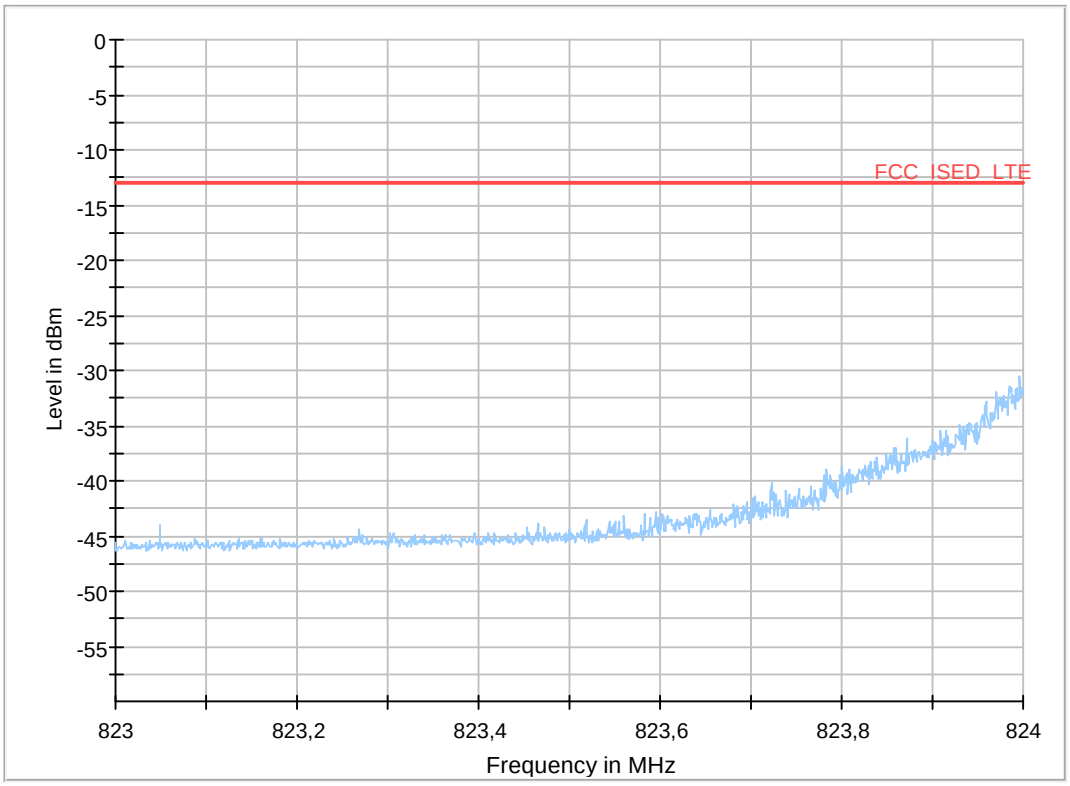


9.501_Bandedge_low_LTE_FDD_B05_CH_low_RB_1_low_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Bandedge_low_LTE_FDD_B05_CH_low_RB_1_low_standing
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	Dma
Remarks:	EUT - standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum

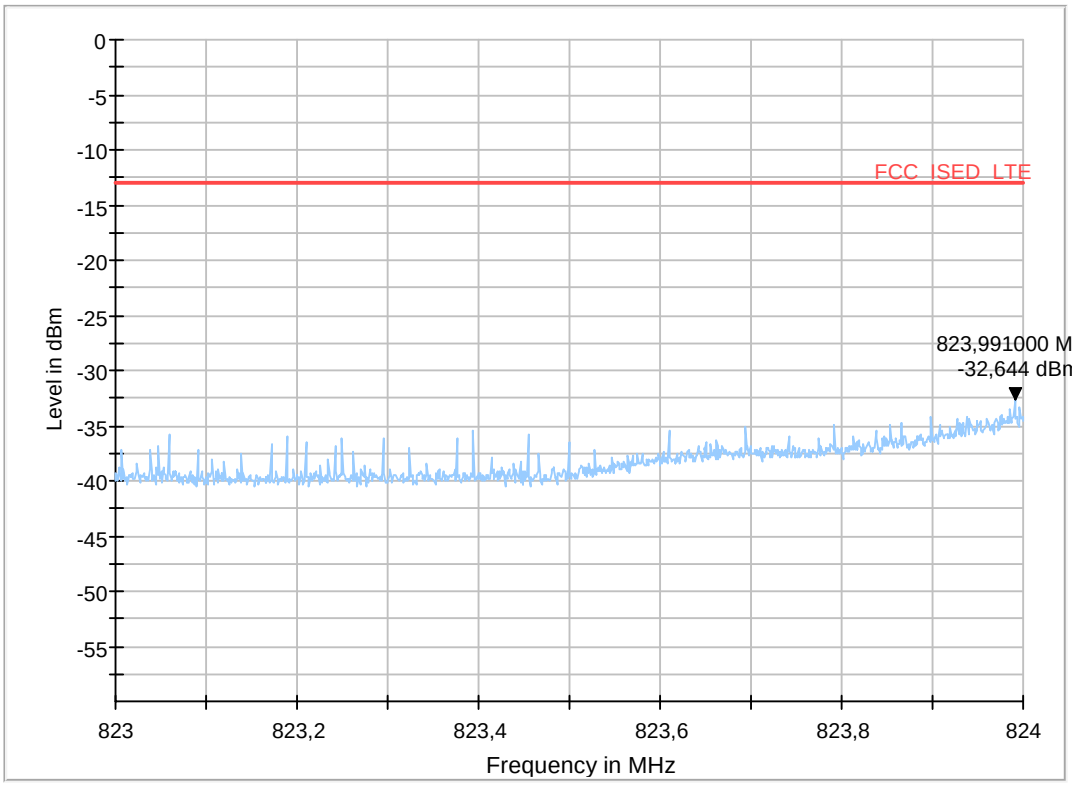


9.502_Bandedge_low_LTE_FDD_B05_CH_low_RB_Full_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	UE allocated channel 20450
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	9.502_Bandedge_low_LTE_FDD_B05_CH_low_RB_Full_lying
Operator:	LAb
Remarks:	EUT - lying/standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum

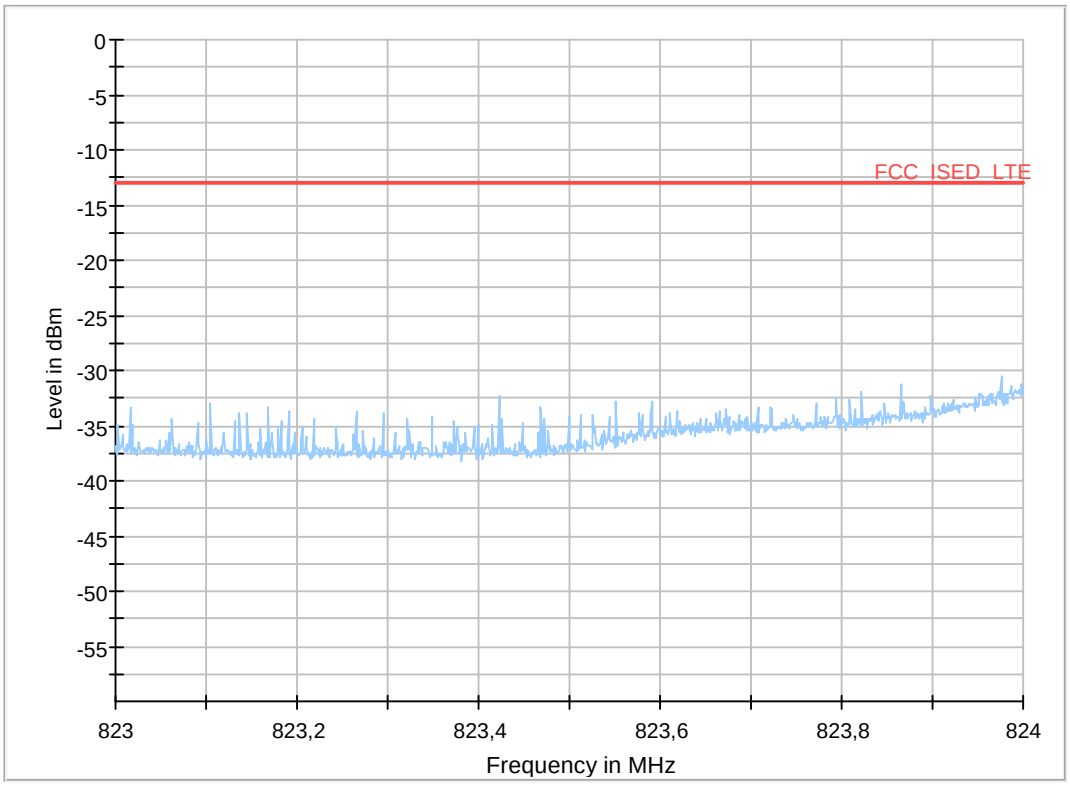


9.502_Bandedge_low_LTE_FDD_B05_CH_low_RB_Full_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Bandedge_low_LTE_FDD_B05_CH_low_RB_Full_standing
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	Dma
Remarks:	EUT - standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum

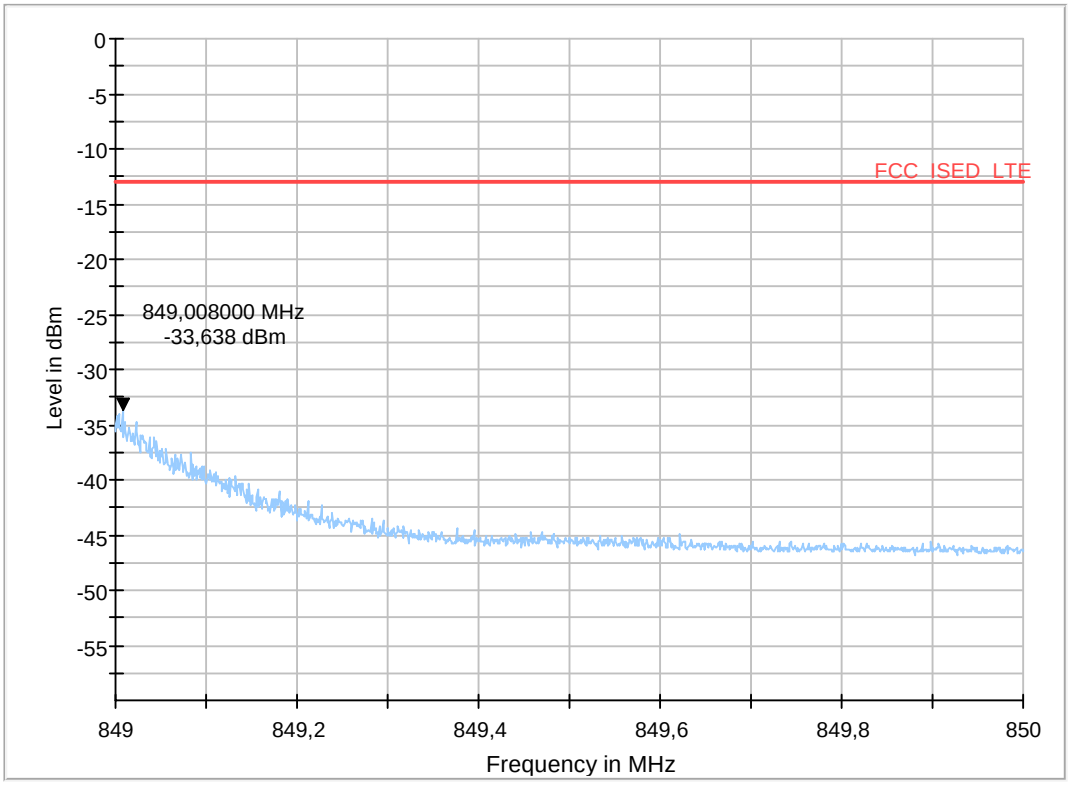


9.503_Bandedge_high_LTE_FDD_B05_CH_high_RB_1_high_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	UE allocated channel 20600
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	LAb
Remarks:	EUT - lying/standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum

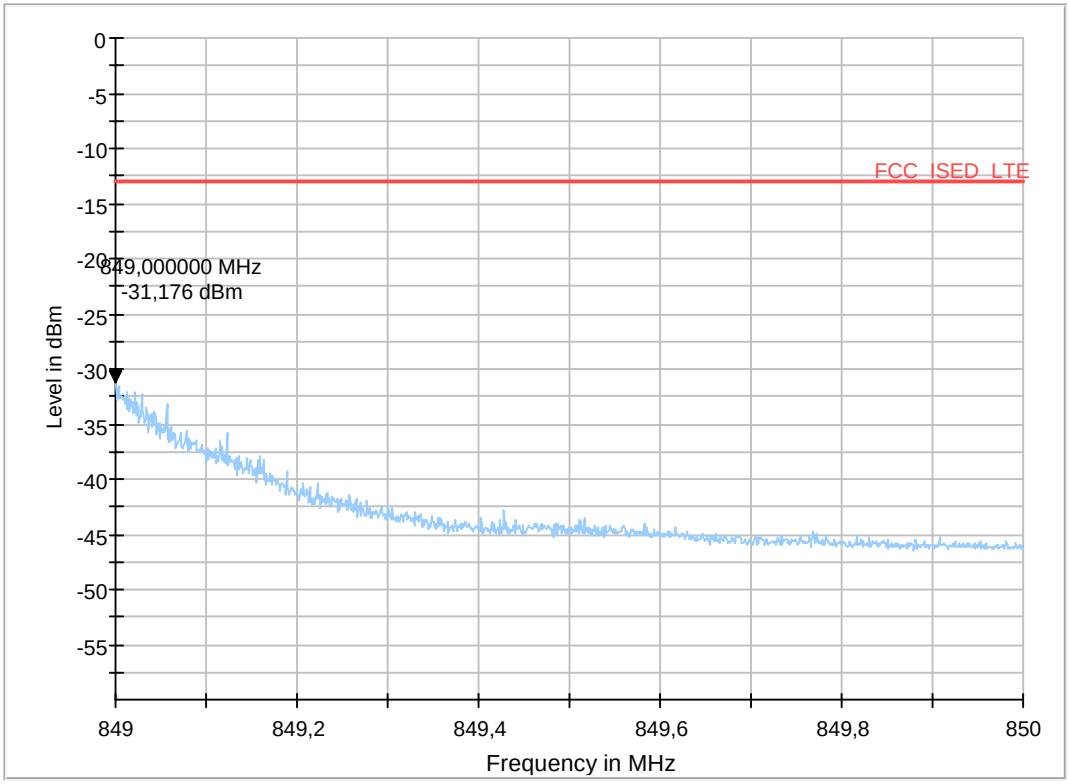


9.503_Bandedge_high_LTE_FDD_B05_CH_high_RB_1_high_standing

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Bandedge_high_LTE_FDD_B05_CH_high_RB_1_high_standing
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Remarks:	EUT - standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum

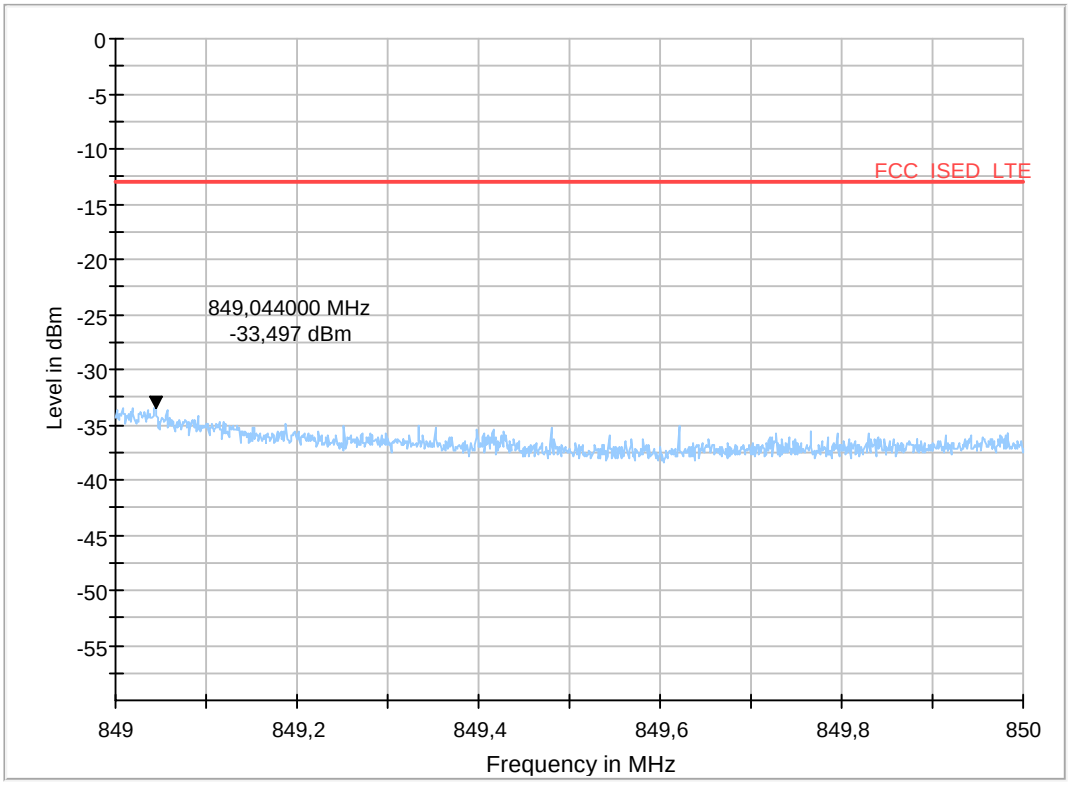


9.504_Bandedge_high_LTE_FDD_B05_CH_high_RB_Full_lying

Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	UE allocated channel 20600
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	LAb
Remarks:	EUT - lying/standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum

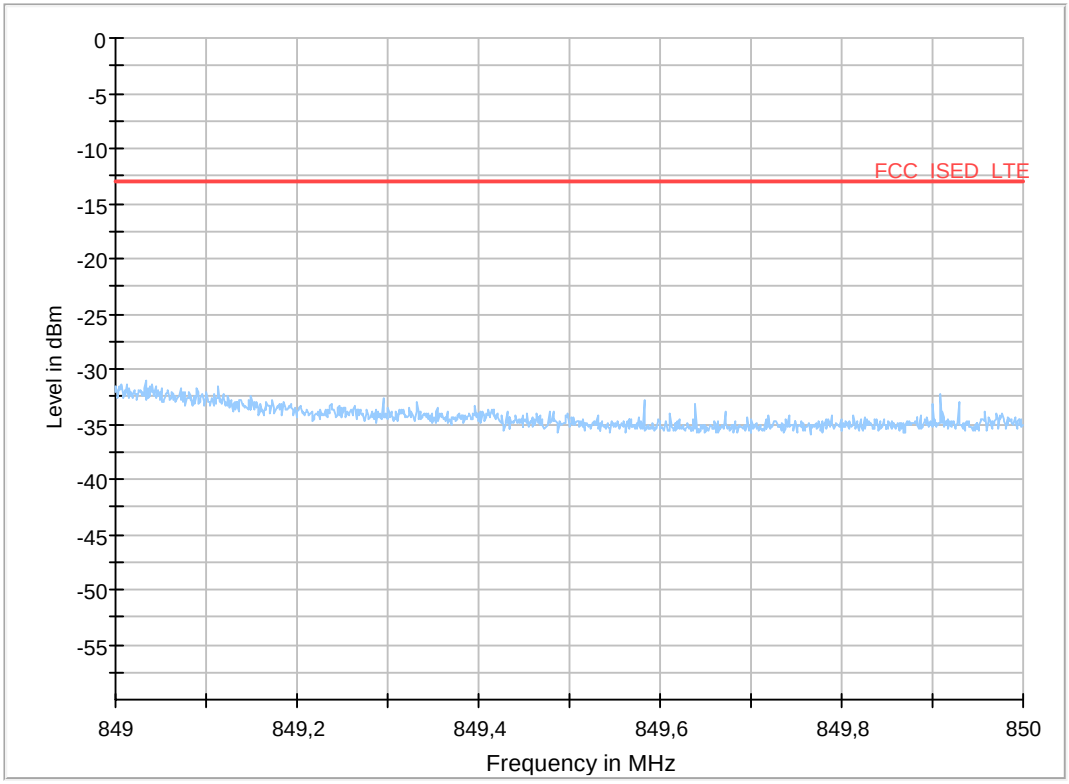


9.504_Bandedge_high_LTE_FDD_B05_CH_high_RB_Full_standing

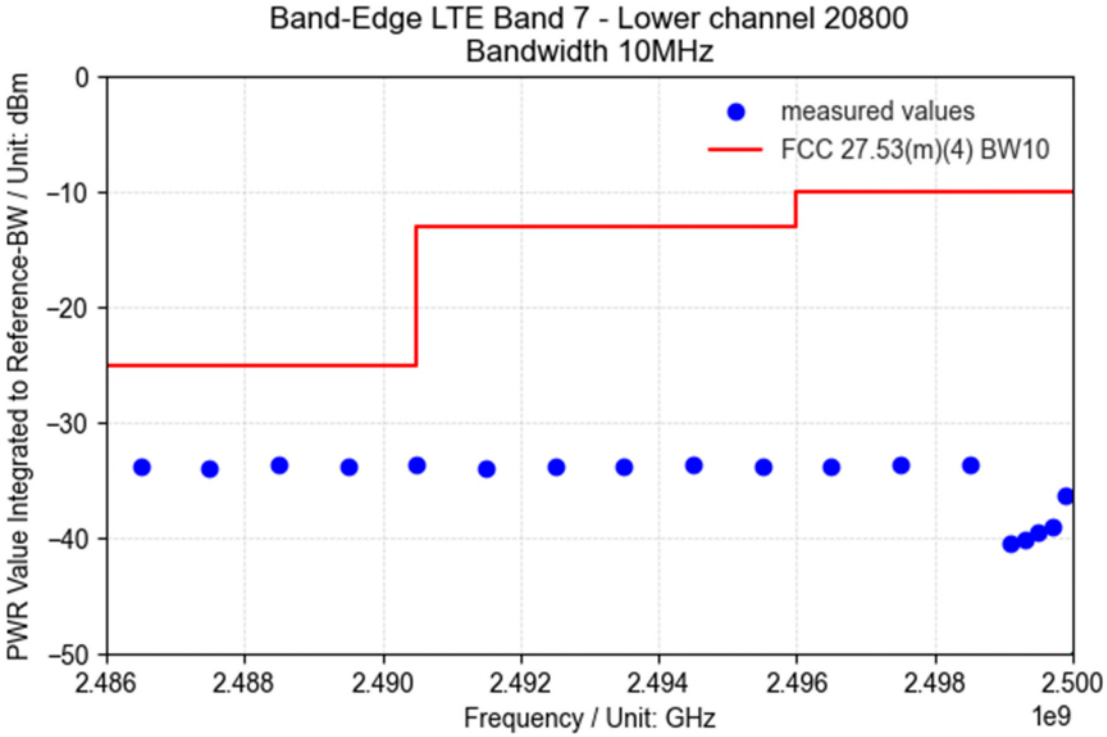
Common Information

Test Description:	Radiated Spurious Emissions
Test Site Location:	cetecom advanced GmbH
Test Site:	Fully Anechoic Room
Test Standard:	FCC / ISED
Operating Mode:	Bandedge_high_LTE_FDD_B05_CH_high_RB_Full_standing
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Remarks:	EUT - standing position
EUT Setup:	1
Verdict:	Passed

Full Spectrum



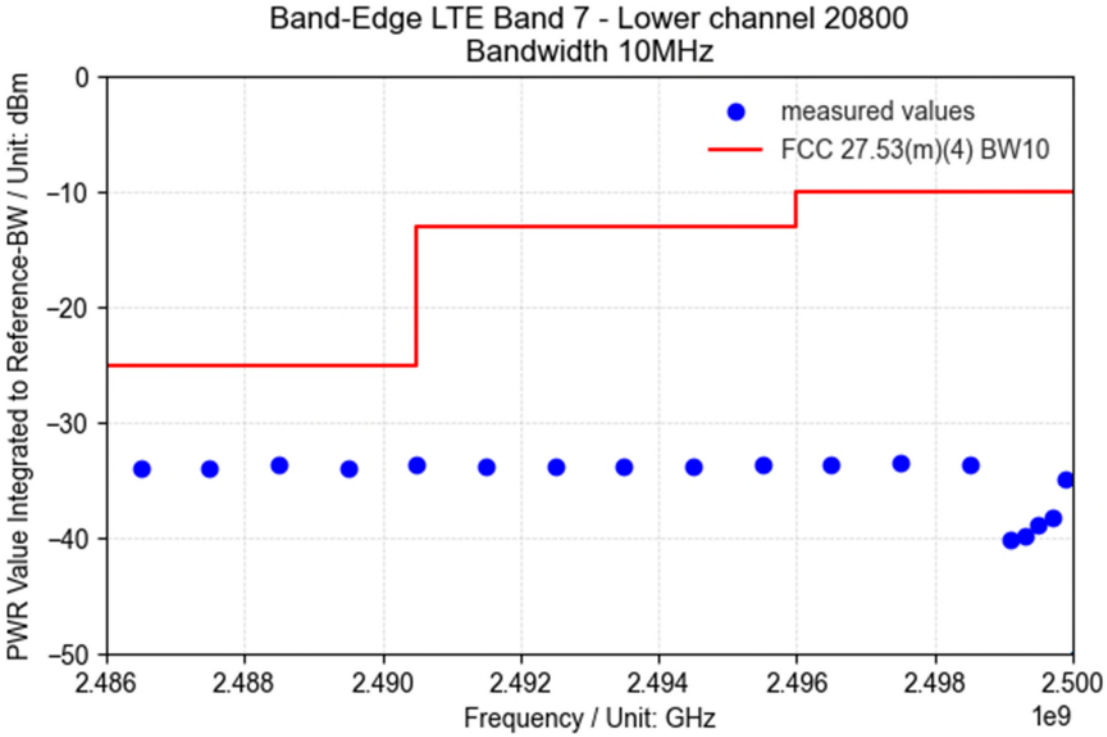
9.701_01_BE_low_Step2_EuT_lying_1RB0_A90_E0_AntH



Frequency:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495500000.0, 2496500000.0, 2497500000.0, 2498500000.0, 2499100000.0, 2499300000.0, 2499500000.0, 2499700000.0, 2499900000.0

Level:
-33.861995697, -33.9673614502, -33.682849884, -33.8539924622, -33.6993103027, -33.9053230286, -33.8151473999, -33.8545417786, -33.7173042297, -33.7959518433, -33.7334480286, -33.6661376953, -33.7200469971, -40.4429283142, -40.0998878479, -39.5188980103, -39.0753479004, -36.3739814758

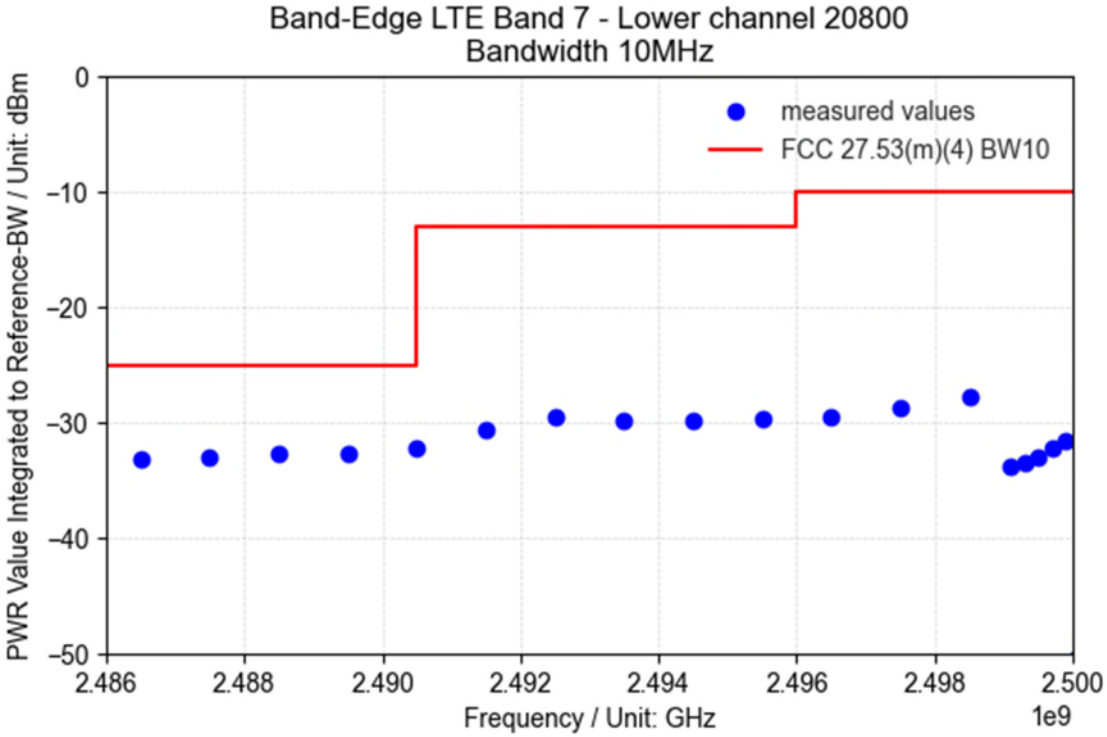
9.701_02_BE_low_Step2_EuT_lying_50RB0_A355_E0_AntV



Frequency:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495500000.0, 2496500000.0, 2497500000.0, 2498500000.0, 2499100000.0, 2499300000.0, 2499500000.0, 2499700000.0, 2499900000.0

Level:
-33.9026489258, -33.9382972717, -33.633026123, -33.9197120667, -33.6800537109, -33.824508667, -33.7753219604, -33.7866249084, -33.7305755615, -33.6589813232, -33.7232093811, -33.5026359558, -33.6513137817, -40.1054573059, -39.8898773193, -38.8382415771, -38.272895813, -34.9553031921

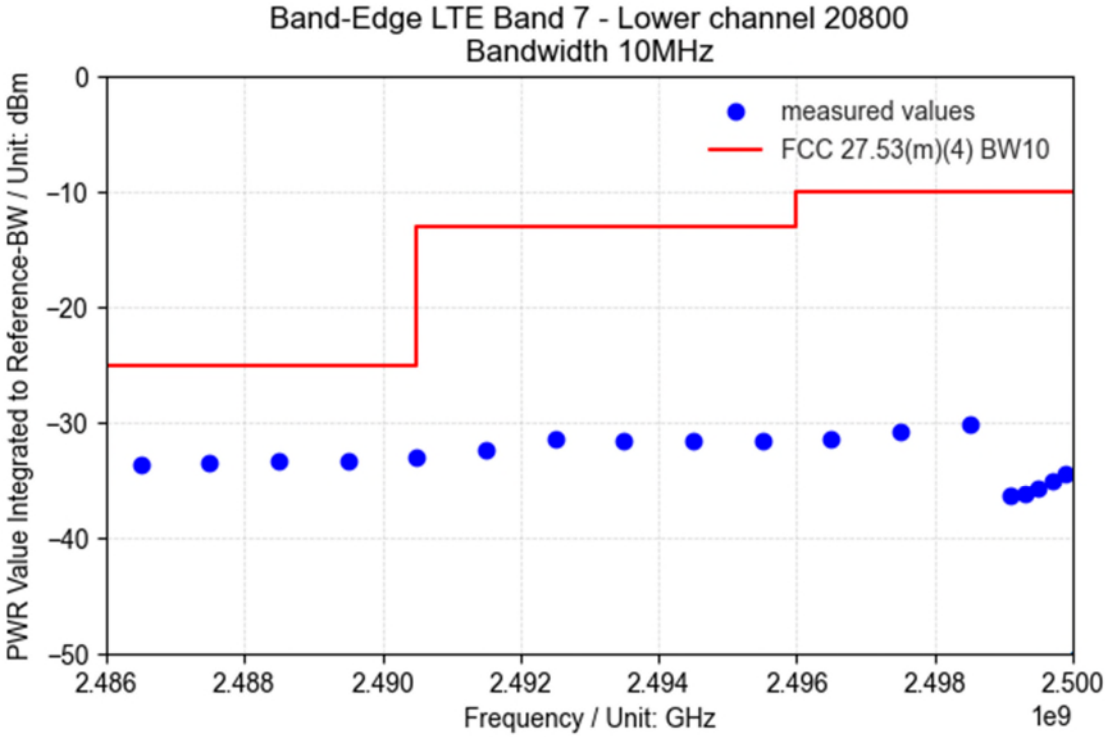
9.702_01_BE_low_Step2_EUT_lying_50RB0_A90_E0_AntH



Frequency:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495500000.0, 2496500000.0, 2497500000.0, 2498500000.0, 2499100000.0, 2499300000.0, 2499500000.0, 2499700000.0, 2499900000.0

Level:
-33.1535186768, -33.04271698, -32.7489204407, -32.6525268555, -32.1416778564, -30.6157417297, -29.5516033173, -29.8256988525, -29.8200340271, -29.6124820709, -29.4508628845, -28.7359447479, -27.7574634552, -33.7912902832, -33.5078582764, -32.9721031189, -32.2640838623, -31.6346931458

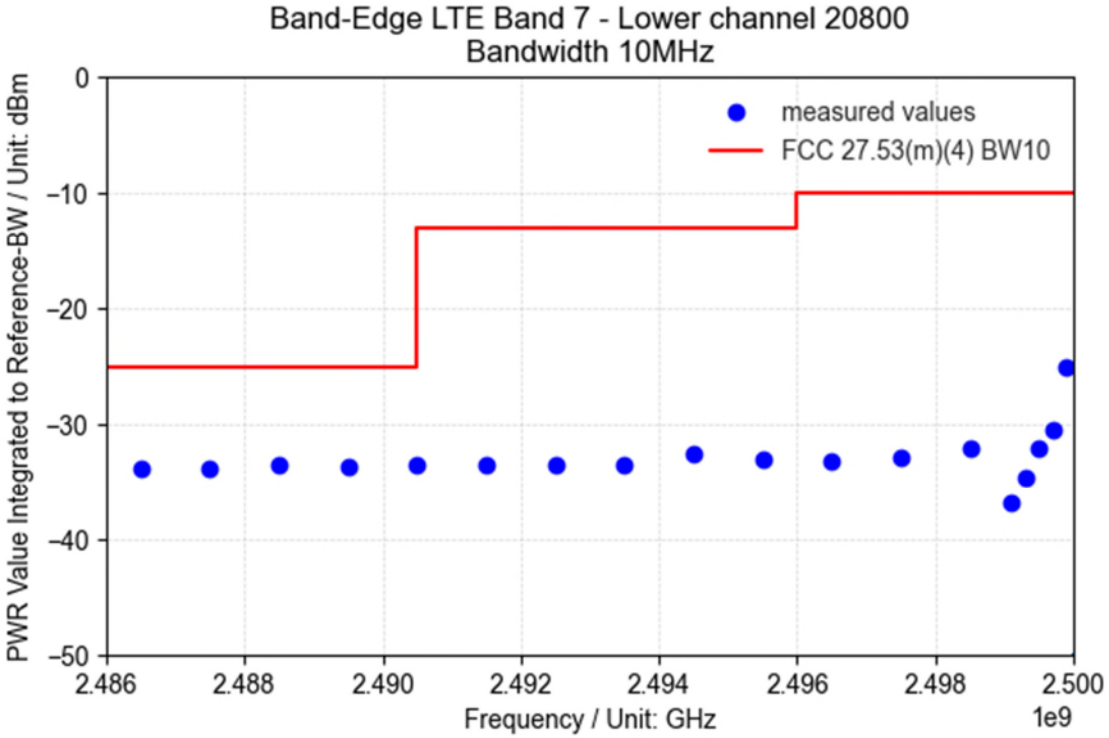
9.702_02_BE_low_Step2_EuT_lying_1RB0_A355_E0_AntV



Frequency:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495500000.0, 2496500000.0, 2497500000.0, 2498500000.0, 2499100000.0, 2499300000.0, 2499500000.0, 2499700000.0, 2499900000.0

Level:
-33.6140060425, -33.5491104126, -33.2756843567, -33.376625061, -33.0189170837, -32.3068161011, -31.487903595, -31.6202716827, -31.5771980286, -31.6211032867, -31.4953956604, -30.8631305695, -30.0746364594, -36.3870391846, -36.204498291, -35.780708313, -35.0259819031, -34.4865875244

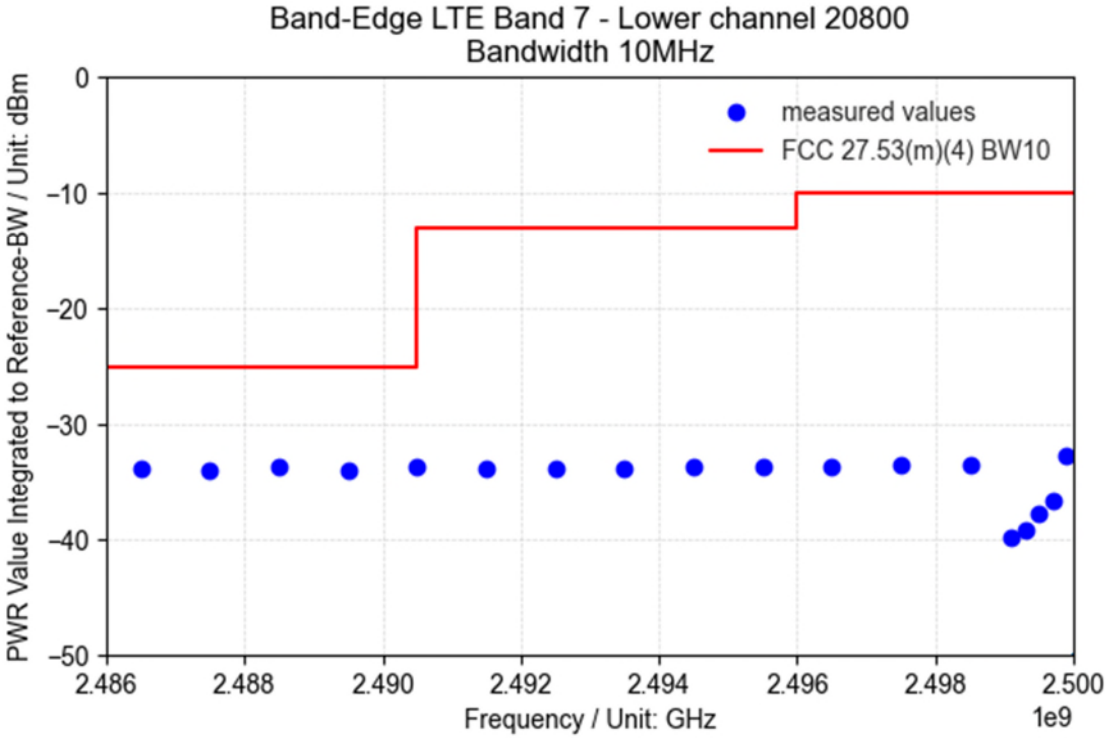
9.701_03_BE_low_Step2_EuT_standing_1RB0_A140_E90_AntV



Frequency:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495500000.0, 2496500000.0, 2497500000.0, 2498500000.0, 2499100000.0, 2499300000.0, 2499500000.0, 2499700000.0, 2499900000.0

Level:
-33.8046569824, -33.8701095581, -33.5569877625, -33.6735229492, -33.4953994751, -33.4445114136, -33.4793014526, -33.5175247192, -32.61353302, -33.0539703369, -33.0957832336, -32.8240242004, -32.0168113708, -36.7909851074, -34.5211372375, -32.0791244507, -30.4486541748, -25.1373081207

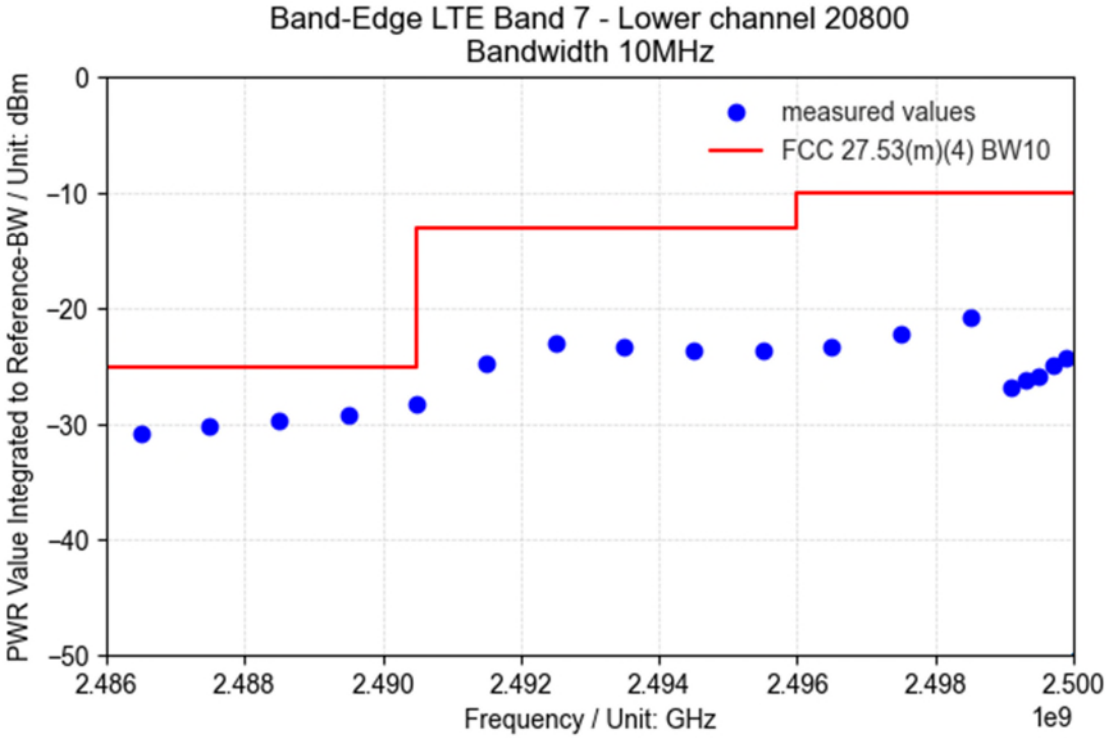
9.701_04_BE_low_Step2_EuT_standing_1RB0_A67_E90_AntH



Frequency:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495500000.0, 2496500000.0, 2497500000.0, 2498500000.0, 2499100000.0, 2499300000.0, 2499500000.0, 2499700000.0, 2499900000.0

Level:
-33.852848053, -33.8903656006, -33.6821632385, -33.9045791626, -33.6087493896, -33.8021469116, -33.8326911926, -33.7684555054, -33.6858596802, -33.6433792114, -33.687625885, -33.5163726807, -33.4676551819, -39.7979278564, -39.164642334, -37.723651886, -36.673412323, -32.6767807007

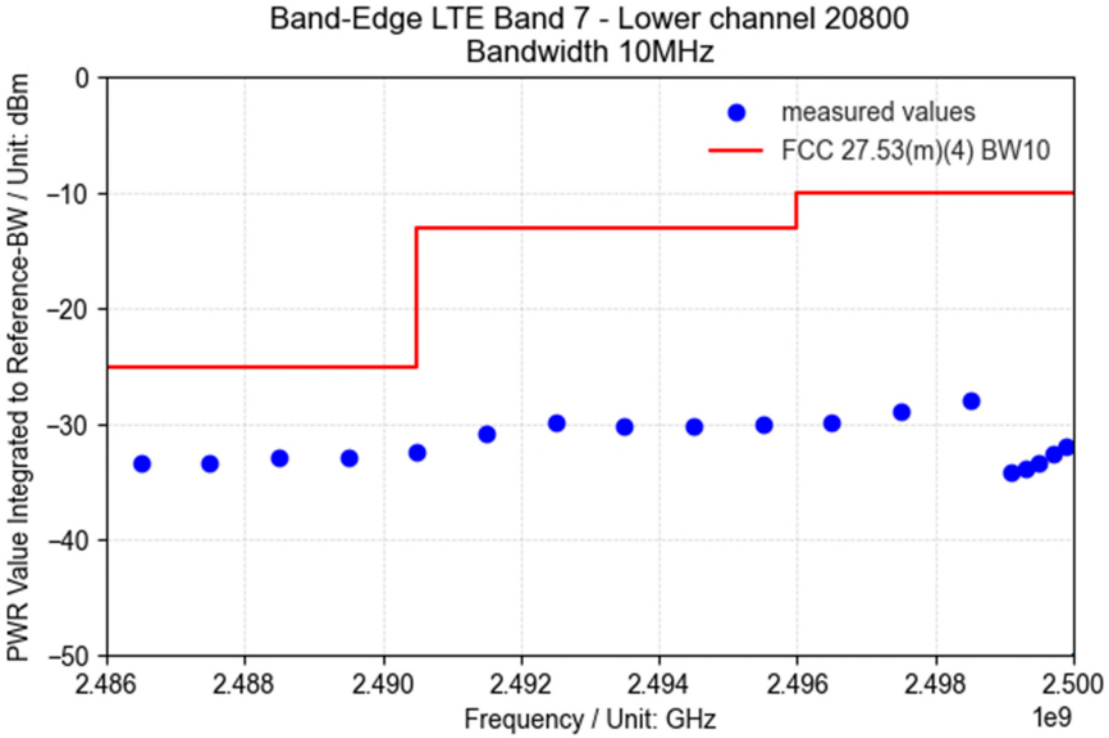
9.702_03_BE_low_Step2_EuT_standing_50RB0_A140_E90_AntV



Frequency:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495500000.0, 2496500000.0, 2497500000.0, 2498500000.0, 2499100000.0, 2499300000.0, 2499500000.0, 2499700000.0, 2499900000.0

Level:
[-30.7401485443, -30.1581726074, -29.7452087402, -29.1825714111, -28.3110694885, -24.806968689, -23.0336227417, -23.2953834534, -23.5746555328, -23.5848464966, -23.2928657532, -22.2481651306, -20.826051712, -26.7604045868, -26.2307453156, -25.8358421326, -24.9789047241, -24.2134590149

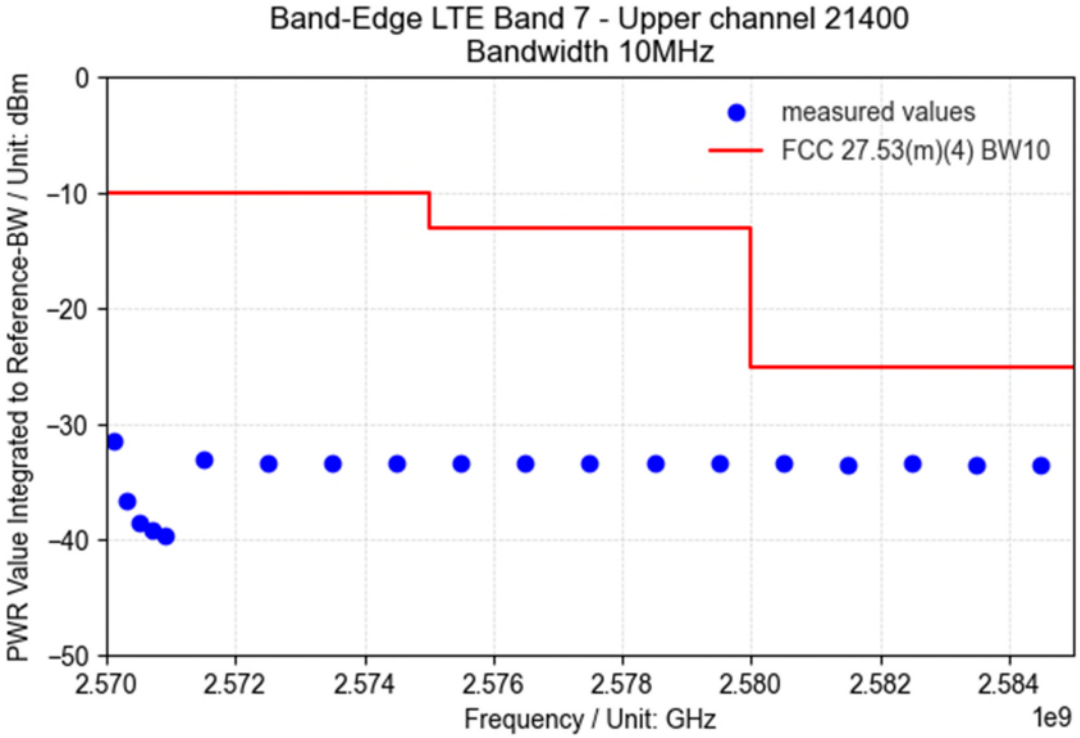
9.702_04_BE_low_Step2_EuT_standing_50RB0_A67_E90_AntH



Frequency:
[2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495500000.0, 2496500000.0, 2497500000.0, 2498500000.0, 2499100000.0, 2499300000.0, 2499500000.0, 2499700000.0, 2499900000.0

Level:
-33.2773132324, -33.2689819336, -32.8977127075, -32.8112564087, -32.361125946, -30.8308048248, -29.8089046478, -30.0743484497, -30.151556015, -30.0502471924, -29.8142910004, -28.8879890442, -27.9242744446, -34.0836486816, -33.7418060303, -33.3803405762, -32.5574035645, -31.9482116699

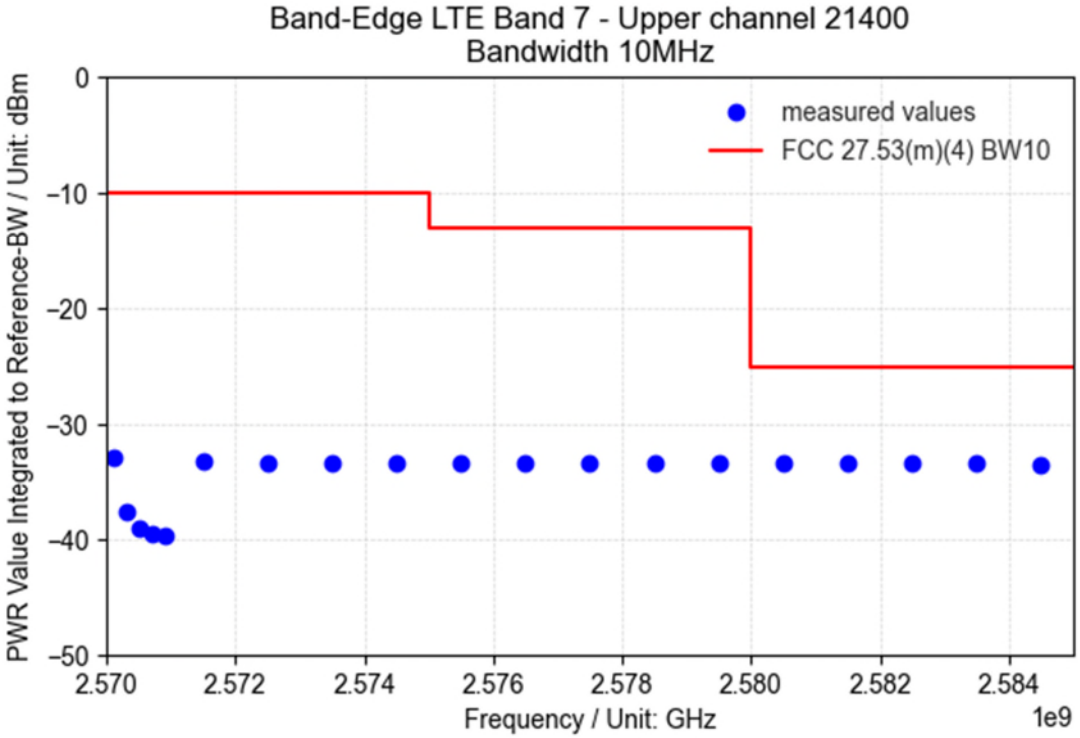
9.703_01_BE_high_Step2_EuT_lying_1RB49_A85_E0_AntH



Frequency:
2570100000.0, 2570300000.0, 2570500000.0, 2570700000.0, 2570900000.0, 2571500000.0, 2572500000.0, 2573500000.0, 2574500000.0, 2575500000.0, 2576500000.0, 2577500000.0, 2578500000.0, 2579500000.0, 2580500000.0, 2581500000.0, 2582500000.0, 2583500000.0, 2584500000.0

Level:
-31.4797782898, -36.6841812134, -38.5515556335, -39.2214126587, -39.677154541, -33.0620651245, -33.2517776489, -33.3632583618, -33.2655525208, -33.2625808716, -33.4036979675, -33.3771743774, -33.3093223572, -33.3215065002, -33.3670043945, -33.4940834045, -33.3225326538, -33.4126434326, -33.4983520508

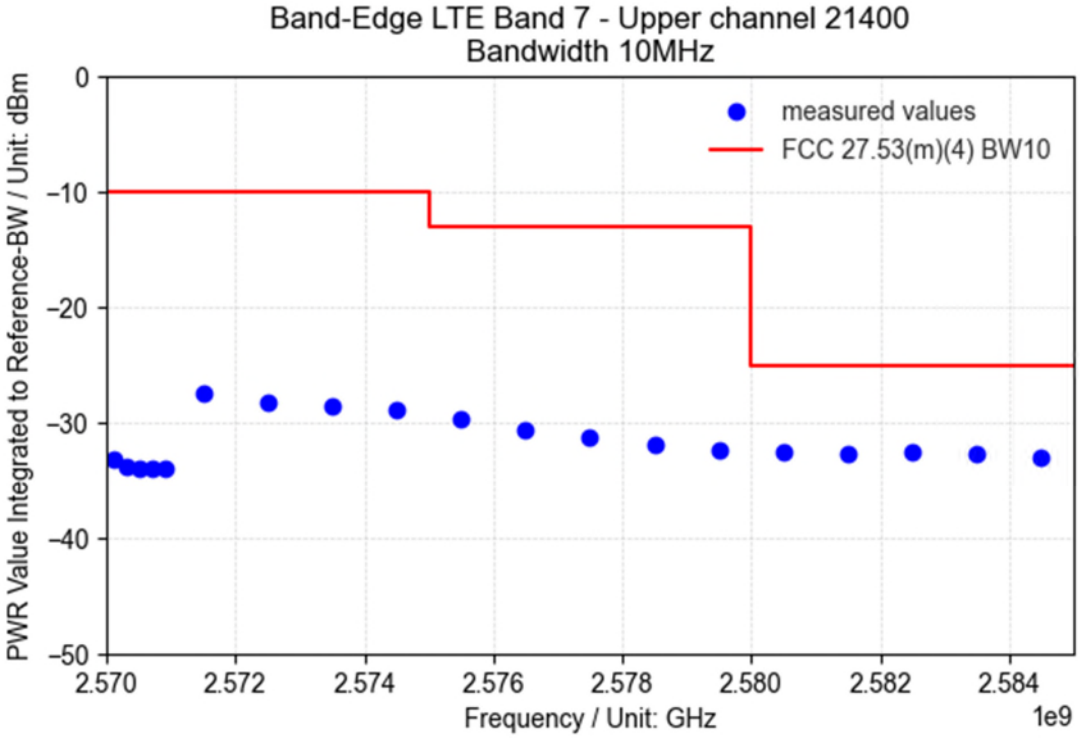
9.703_02_BE_high_Step2_EuT_lying_1RB49_A342_E0_AntV



Frequency:
2570100000.0, 2570300000.0, 2570500000.0, 2570700000.0, 2570900000.0, 2571500000.0, 2572500000.0, 2573500000.0, 2574500000.0, 2575500000.0, 2576500000.0, 2577500000.0, 2578500000.0, 2579500000.0, 2580500000.0, 2581500000.0, 2582500000.0, 2583500000.0, 2584500000.0

Level:
-32.8154563904, -37.6020431519, -39.0127487183, -39.5866355896, -39.7231216431, -33.1992111206, -33.2973518372, -33.3270721436, -33.2750473022, -33.3374481201, -33.3943901062, -33.2729034424, -33.3631439209, -33.3452262878, -33.3609085083, -33.3818969727, -33.3730239868, -33.3127861023, -33.5330657959

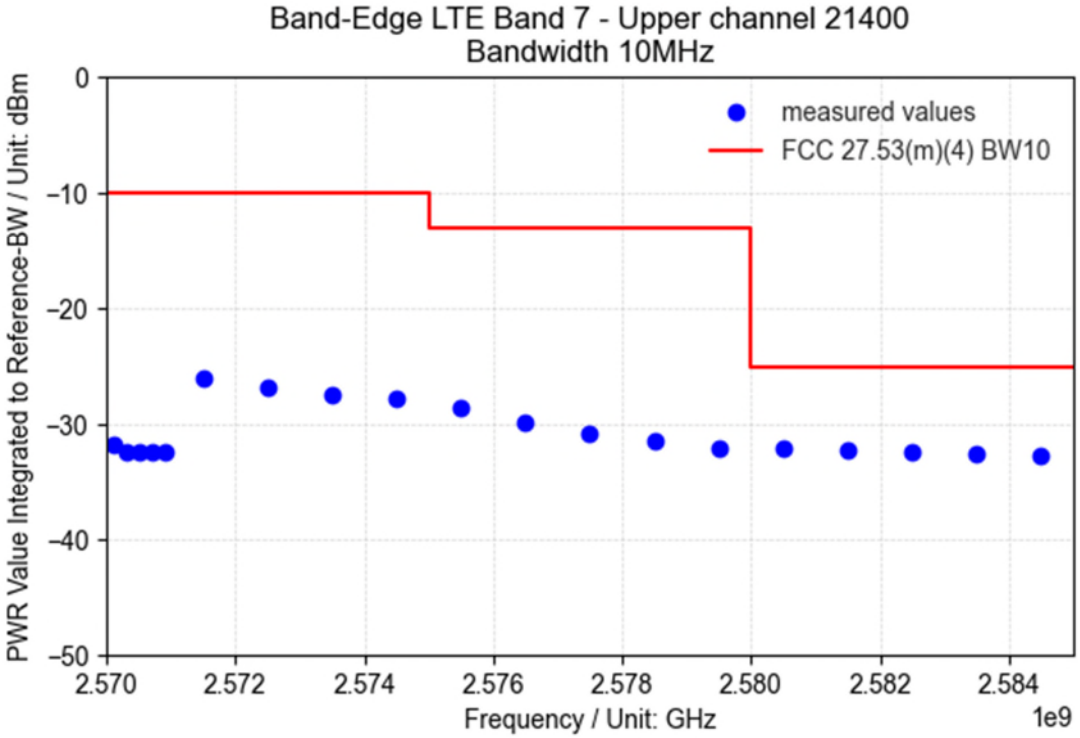
9.704_01_BE_high_Step2_EuT_lying_50RB0_A342_E0_AntV



Frequency:
2570100000.0, 2570300000.0, 2570500000.0, 2570700000.0, 2570900000.0, 2571500000.0, 2572500000.0, 2573500000.0, 2574500000.0, 2575500000.0, 2576500000.0, 2577500000.0, 2578500000.0, 2579500000.0, 2580500000.0, 2581500000.0, 2582500000.0, 2583500000.0, 2584500000.0

Level:
-33.1196632385, -33.8797454834, -33.9086761475, -33.94165802, -34.0099525452, -27.4270133972, -28.1785545349, -28.5787353516, -28.8514862061, -29.6136474609, -30.5860862732, -31.3249168396, -31.953250885, -32.4266052246, -32.4615020752, -32.6320877075, -32.6112518311, -32.7500152588, -32.984992981

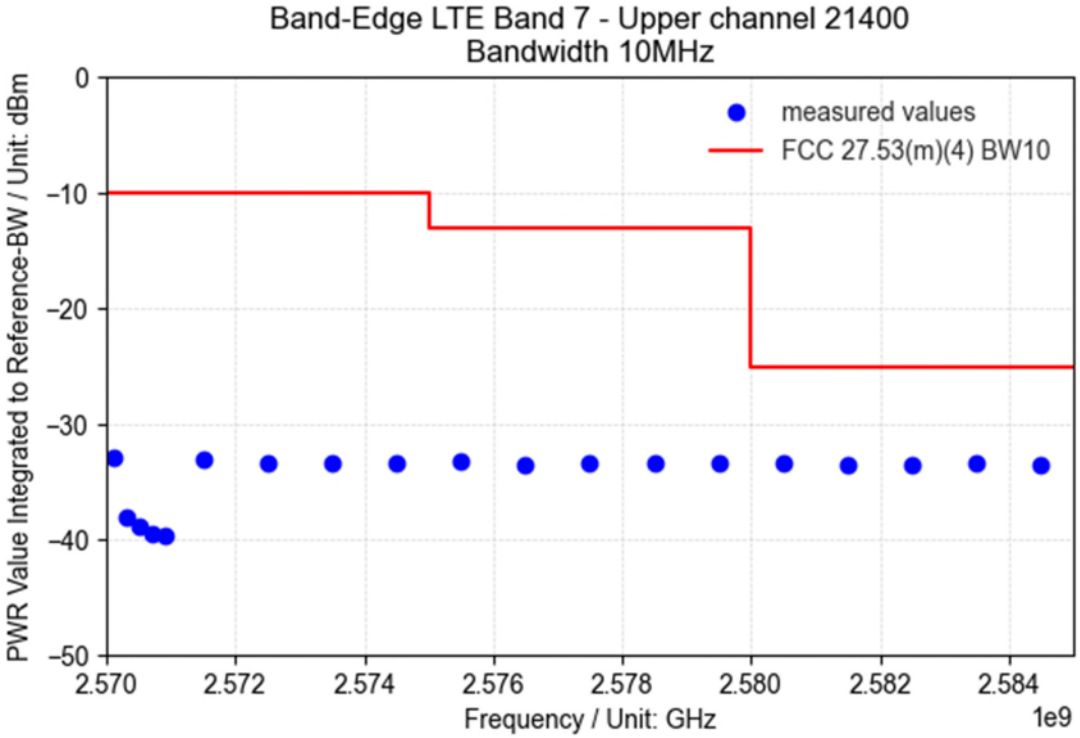
9.704_02_BE_high_Step2_EuT_lying_50RB0_A85_E0_AntH



Frequency:
2570100000.0, 2570300000.0, 2570500000.0, 2570700000.0, 2570900000.0, 2571500000.0, 2572500000.0, 2573500000.0, 2574500000.0, 2575500000.0, 2576500000.0, 2577500000.0, 2578500000.0, 2579500000.0, 2580500000.0, 2581500000.0, 2582500000.0, 2583500000.0, 2584500000.0

Level:
-31.7198963165, -32.3711433411, -32.3648033142, -32.4313964844, -32.4084815979, -25.9695034027, -26.8783836365, -27.4434757233, -27.757024765, -28.6359214783, -29.823884964, -30.7848358154, -31.4635753632, -31.9920501709, -32.1273651123, -32.2754325867, -32.4337997437, -32.5244178772, -32.7541313171

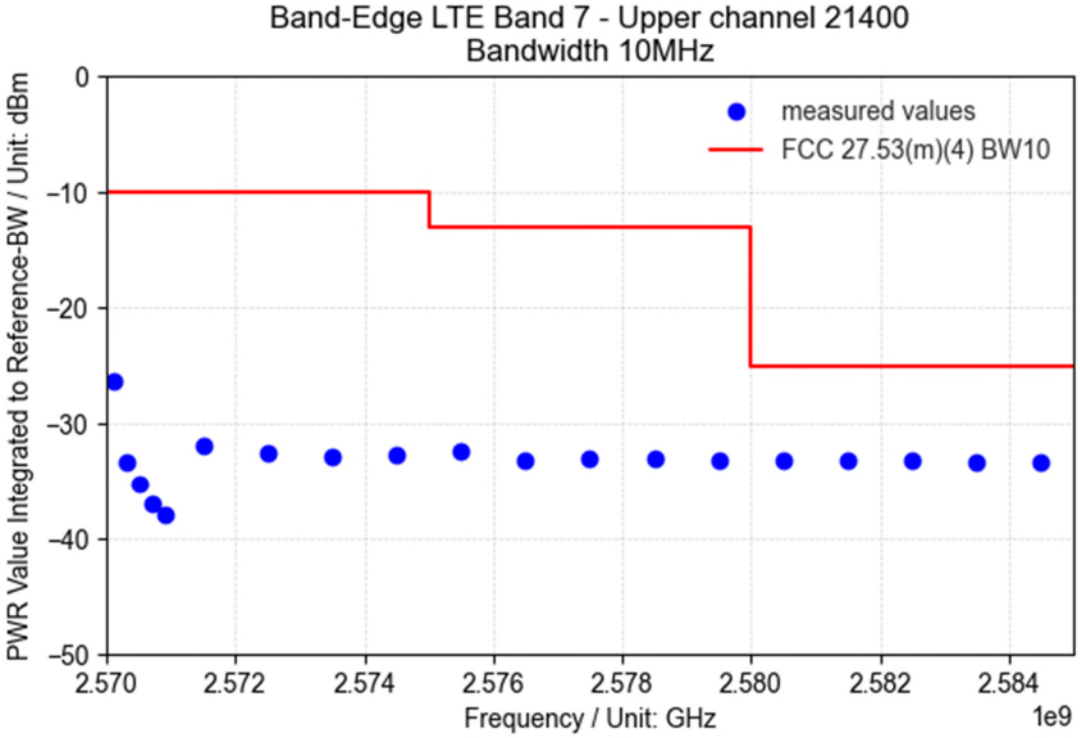
9.703_03_BE_high_Step2_EuT_standing_1RB49_A70_E90_AntH



Frequency:
2570100000.0, 2570300000.0, 2570500000.0, 2570700000.0, 2570900000.0, 2571500000.0, 2572500000.0, 2573500000.0, 2574500000.0, 2575500000.0, 2576500000.0, 2577500000.0, 2578500000.0, 2579500000.0, 2580500000.0, 2581500000.0, 2582500000.0, 2583500000.0, 2584500000.0

Level:
-32.8842506409, -38.079914093, -38.9636764526, -39.4834289551, -39.6825752258, -33.0783233643, -33.3569869995, -33.3112106323, -33.2829704285, -33.1995239258, -33.4321517944, -33.3170890808, -33.3325119019, -33.2793006897, -33.3906211853, -33.4872894287, -33.4197540283, -33.3707199097, -33.461063385

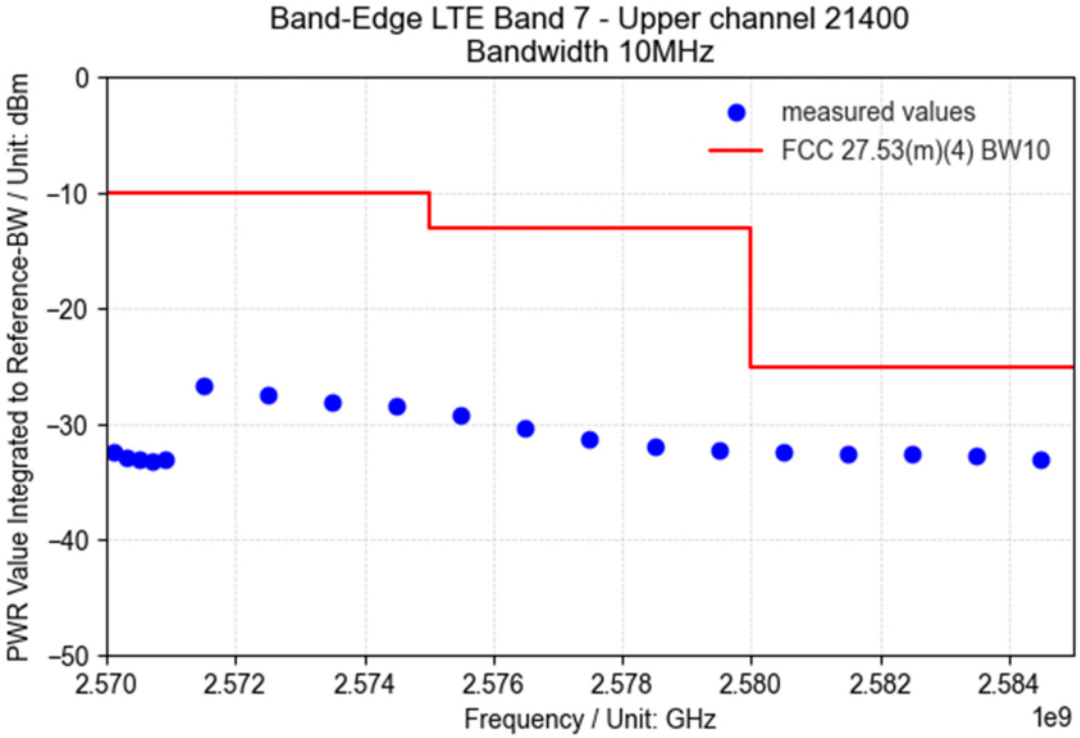
9.703_04_BE_high_Step2_EuT_standing_1RB49_A143_E0_AntV



Frequency:
2570100000.0, 2570300000.0, 2570500000.0, 2570700000.0, 2570900000.0, 2571500000.0, 2572500000.0, 2573500000.0, 2574500000.0, 2575500000.0, 2576500000.0, 2577500000.0, 2578500000.0, 2579500000.0, 2580500000.0, 2581500000.0, 2582500000.0, 2583500000.0, 2584500000.0

Level:
-26.3155460358, -33.2900772095, -35.2331504822, -36.9493179321, -37.8938941956, -31.9693470001, -32.6121826172, -32.7990875244, -32.745891571, -32.4322433472, -33.1054763794, -33.0764389038, -33.0780029297, -33.136013031, -33.1866798401, -33.2255706787, -33.2418022156, -33.3387413025, -33.3475379944

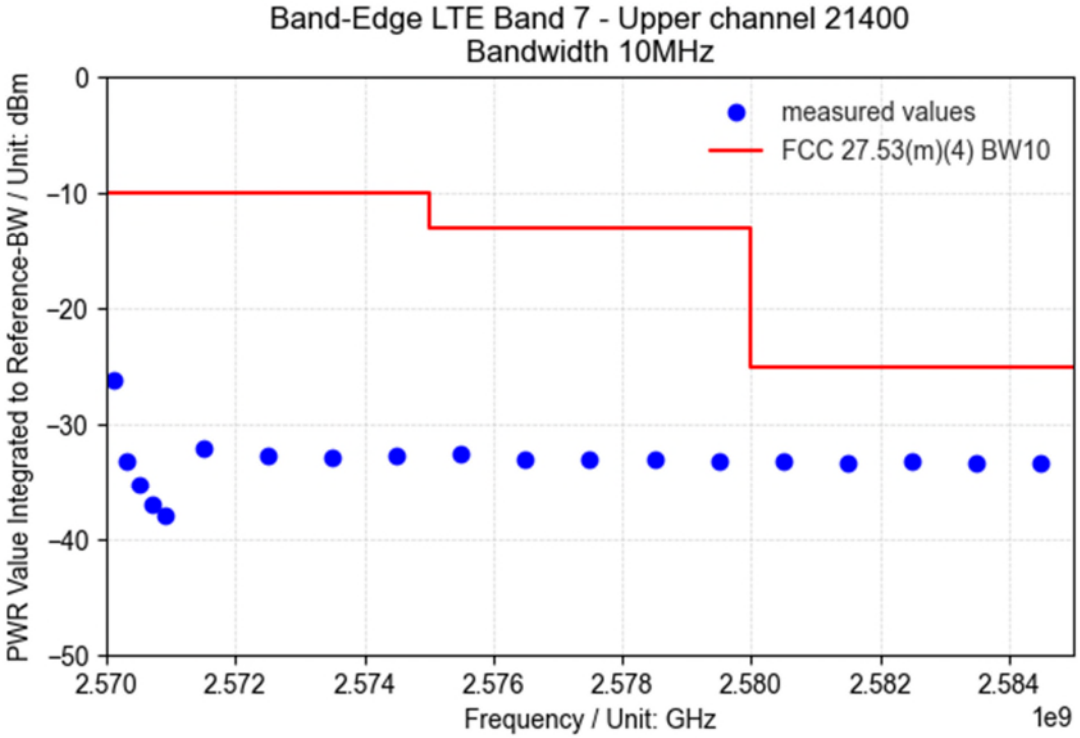
9.704_03_BE_high_Step2_EuT_standing_50RB0_A70_E90_AntH



Frequency:
2570100000.0, 2570300000.0, 2570500000.0, 2570700000.0, 2570900000.0, 2571500000.0, 2572500000.0, 2573500000.0, 2574500000.0, 2575500000.0, 2576500000.0, 2577500000.0, 2578500000.0, 2579500000.0, 2580500000.0, 2581500000.0, 2582500000.0, 2583500000.0, 2584500000.0

Level:
-32.3853721619, -32.7744903564, -33.0889663696, -33.2222900391, -33.0815048218, -26.7041168213, -27.5099449158, -28.0951137543, -28.3990135193, -29.1968917847, -30.356760025, -31.2398433685, -31.9137535095, -32.2876358032, -32.4083251953, -32.5713615417, -32.6084442139, -32.7197952271, -32.9613075256

9.704_04_BE_high_Step2_EuT_standing_50RB0_A143_E90_AntV



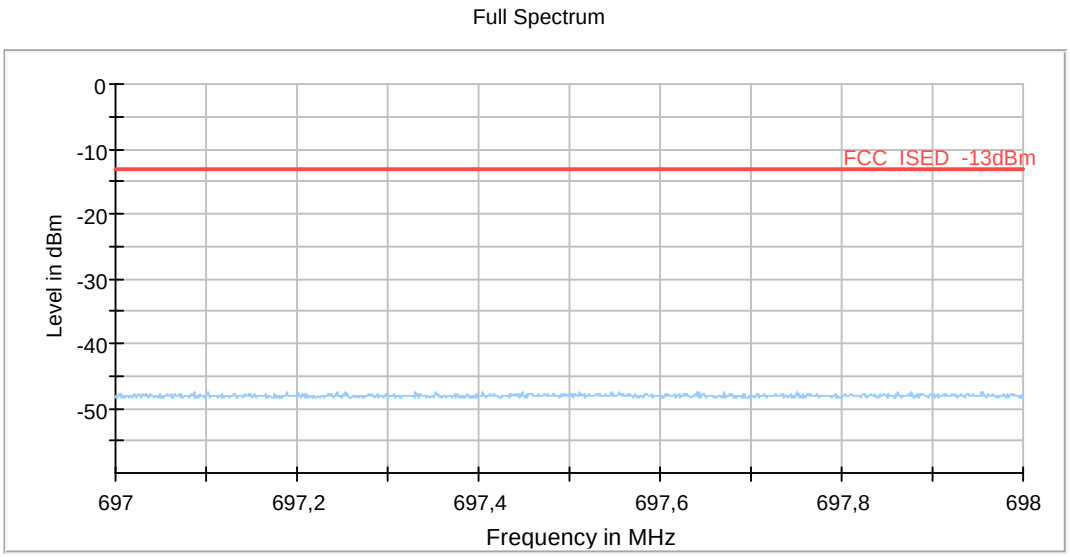
Frequency:
2570100000.0, 2570300000.0, 2570500000.0, 2570700000.0, 2570900000.0, 2571500000.0, 2572500000.0, 2573500000.0, 2574500000.0, 2575500000.0, 2576500000.0, 2577500000.0, 2578500000.0, 2579500000.0, 2580500000.0, 2581500000.0, 2582500000.0, 2583500000.0, 2584500000.0

Level:
-26.2424163818, -33.2477722168, -35.2905578613, -37.0179595947, -37.959777832, -32.0524787903, -32.6431121826, -32.8396835327, -32.7500457764, -32.502155304, -33.0410270691, -33.077960968, -33.0161209106, -33.1337928772, -33.2016410828, -33.272354126, -33.2231407166, -33.2568244934, -33.3731498718

9.1201_Bandedge_low_LTE_FDD_B12_CH_low_RB_1_low_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 12
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23060, RB = 1, Pos = low, BW= 10 MHz, QPSK
Environmental Conditions:	Humidity: 35%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	MNu
Remarks:	EUT - lying position
EUT Setup:	
Verdict:	Passed

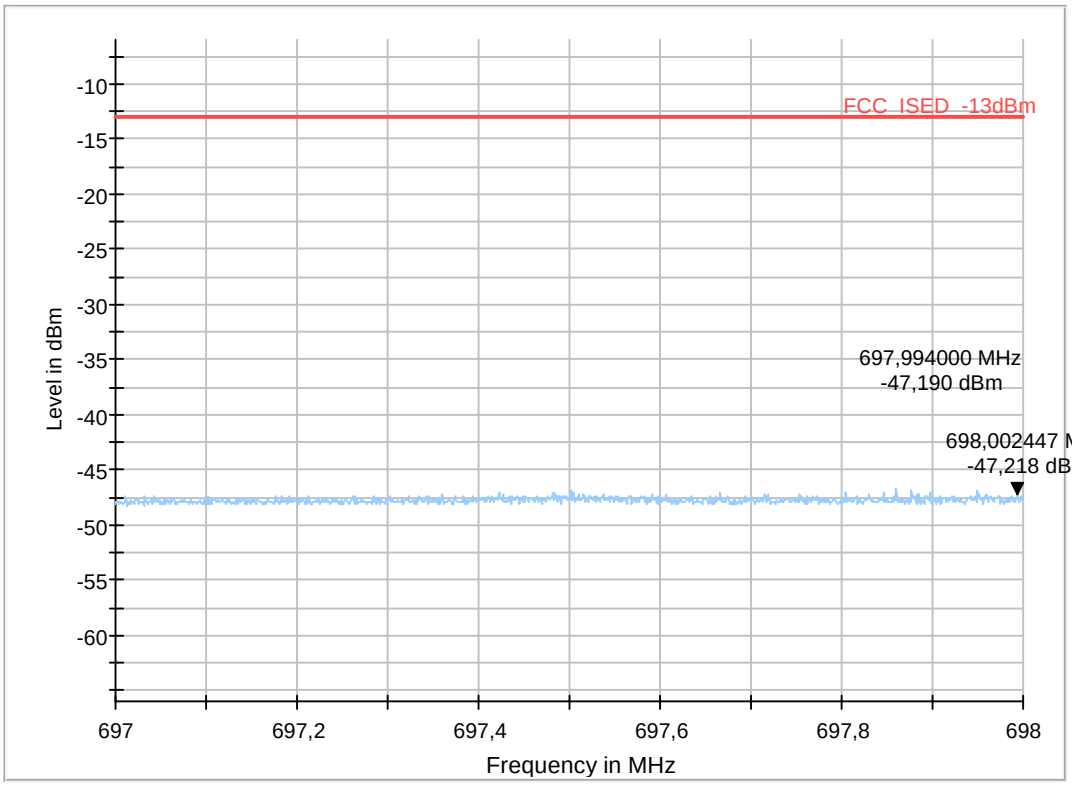


9.1201_Bandedge_low_LTE_FDD_B12_CH_low_RB_1_low_standing

Common Information

Test Description:	Band-Edge low - Radiated Spurious Emissions LTE Band 12
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 22.917(a) / RSS-132
Operating Mode:	Bandedge_low_LTE_FDD_B12_CH_low_RB_1_low_standing
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	Dma
Remarks:	EUT - standing position
EUT Setup:	01
Verdict:	Passed

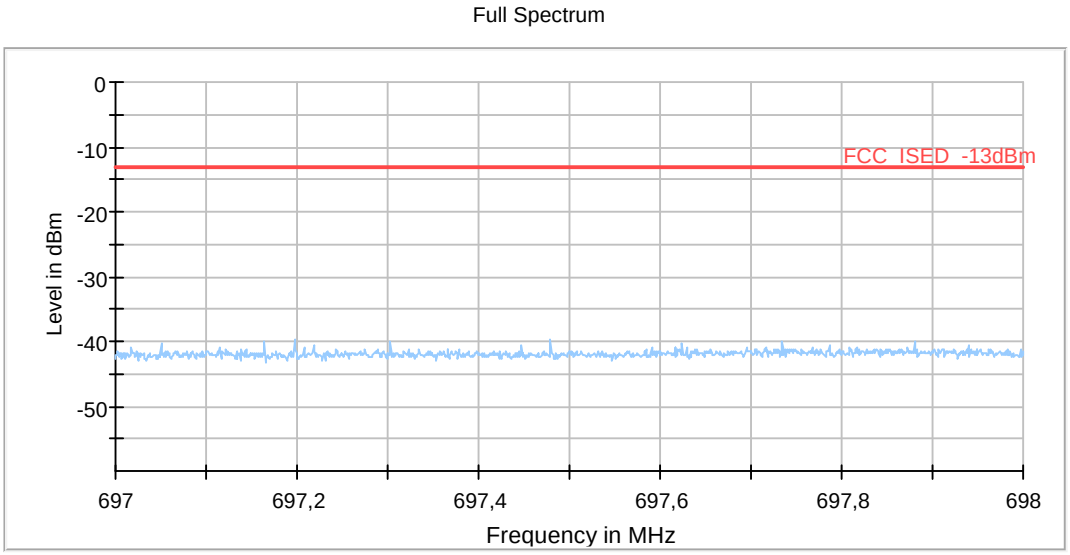
Full Spectrum



9.1202_Bandedge_low_LTE_FDD_B12_CH_low_RB_Full_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 12
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23060, RB = 50, Pos = low, BW= 10 MHz, QPSK
Environmental Conditions:	Humidity: 35%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	MNu
Remarks:	EUT - lying position
EUT Setup:	
Verdict:	Passed

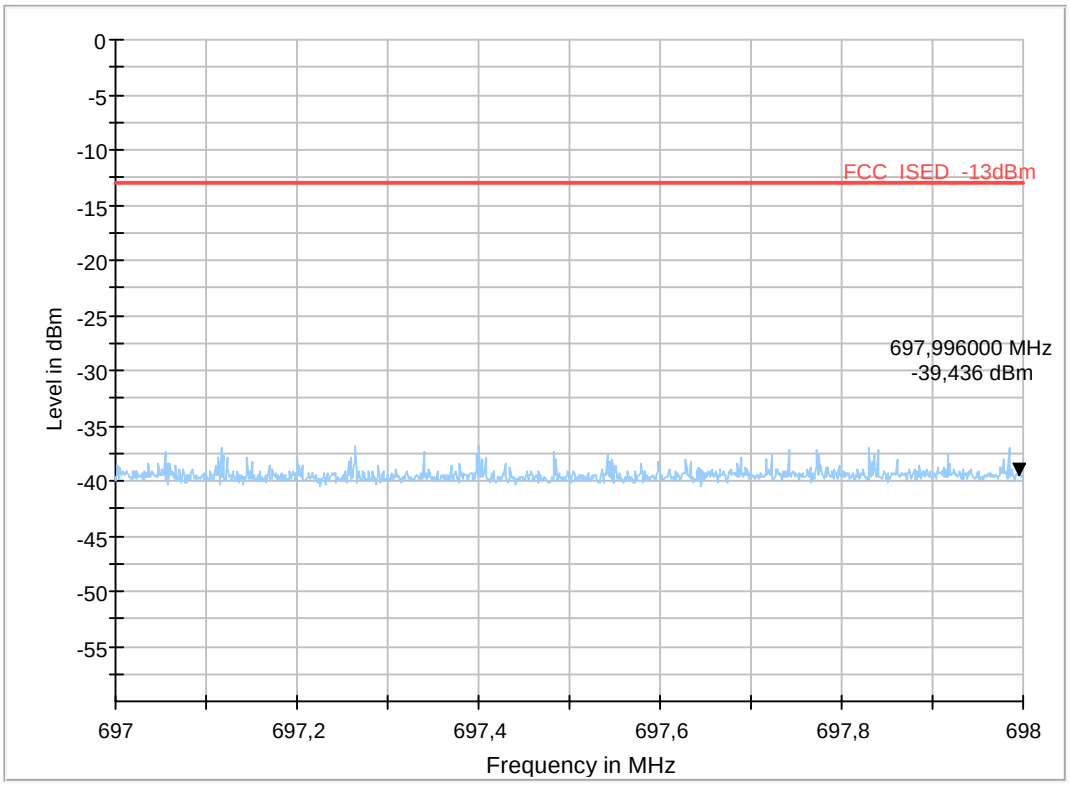


9.1202_Bandedge_low_LTE_FDD_B12_CH_low_RB_Full_standing

Common Information

Test Description:	Band-Edge low - Radiated Spurious Emissions LTE Band 12
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27/RSS 130
Operating Mode:	Bandedge_low_LTE_FDD_B12_CH_low_RB_Full_standing
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	Dma
Remarks:	EUT - standing position
EUT Setup:	01
Verdict:	Passed

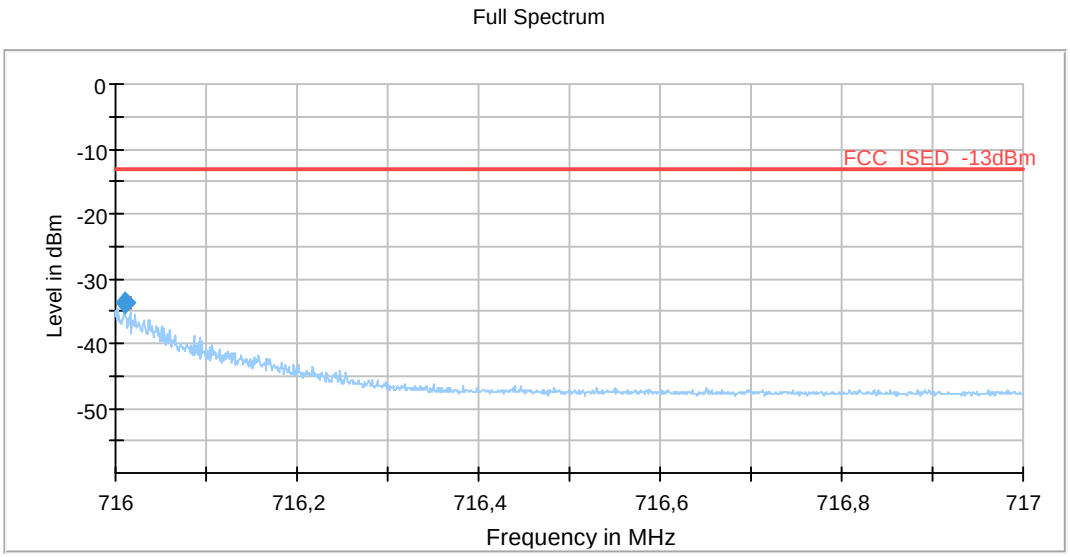
Full Spectrum



9.1203_Bandedge_high_LTE_FDD_B12_CH_high_RB_1_high_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 12
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23130, RB = 1, Pos = high, BW= 10 MHz, QPSK
Environmental Conditions:	Humidity: 35%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	MNu
Remarks:	EUT - lying position
EUT Setup:	
Verdict:	Passed



Final_Result

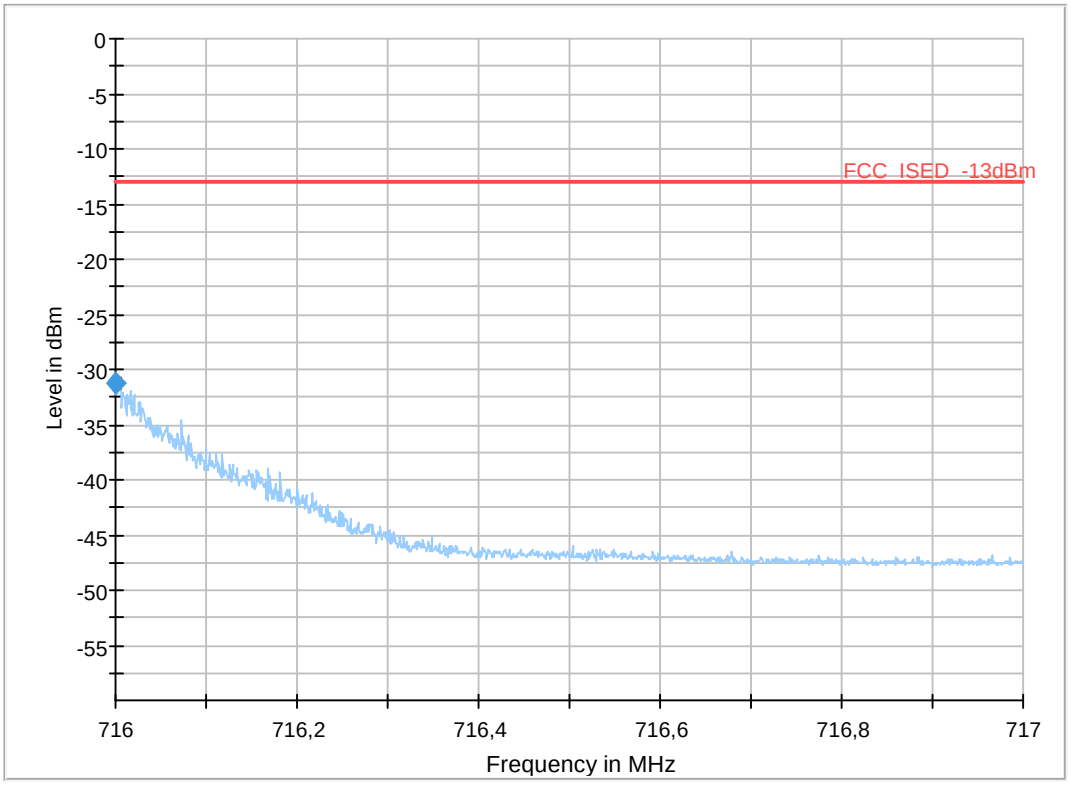
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
716.010000	-33.80	-13.00	20.80	700.0	100.000	H	19.0	0.0	-77.6

9.1203_Bandedge_high_LTE_FDD_B12_CH_high_RB_1_high_standing

Common Information

Test Description:	Band-Edge low - Radiated Spurious Emissions LTE Band 12
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27/ RSS-130
Operating Mode:	Bandedge_high_LTE_FDD_B12_CH_high_RB_1_high_standing
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	Dma
Remarks:	EUT - standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum



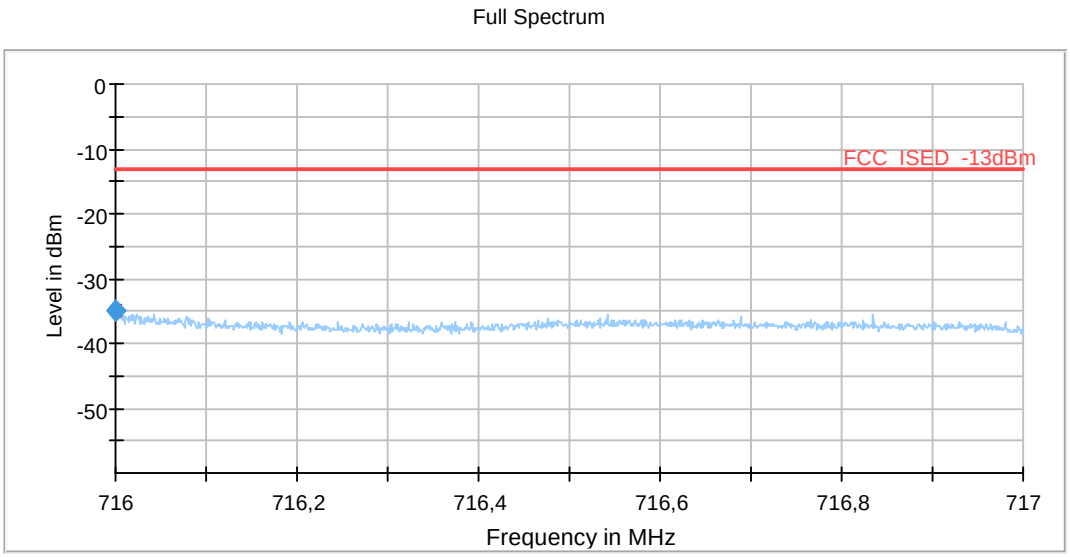
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
716.001000	-31.30	-13.00	18.30	700.0	100.000	H	35.0	0.0	-78

9.1204_Bandedge_high_LTE_FDD_B12_CH_high_RB_Full_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 12
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23130, RB = 50, Pos = 0, BW= 10 MHz, QPSK
Environmental Conditions:	Humidity: 35%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	MNu
Remarks:	EUT - lying position
EUT Setup:	
Verdict:	Passed



Final_Result

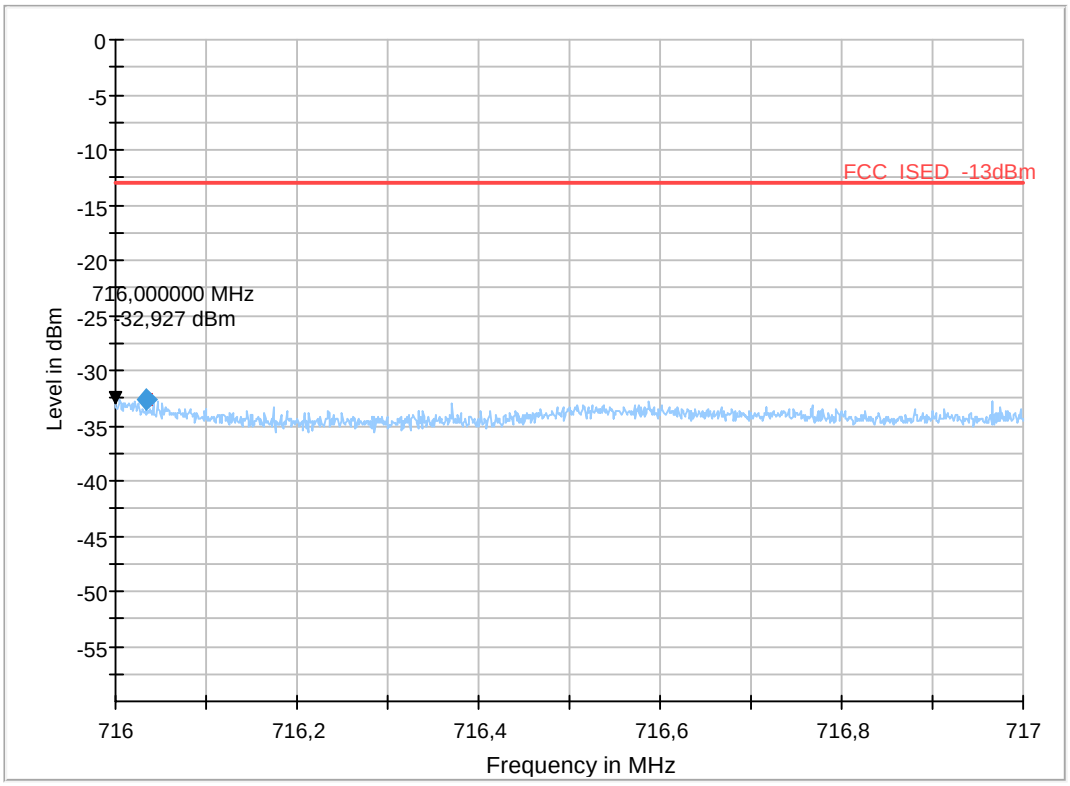
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
716.001000	-34.98	-13.00	21.98	700.0	100.000	H	19.0	0.0	-77.6

9.1204_Bandedge_high_LTE_FDD_B12_CH_high_RB_Full_standing

Common Information

Test Description:	Band-Edge low - Radiated Spurious Emissions LTE Band 12
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel xxx
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	Dma
Remarks:	standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum



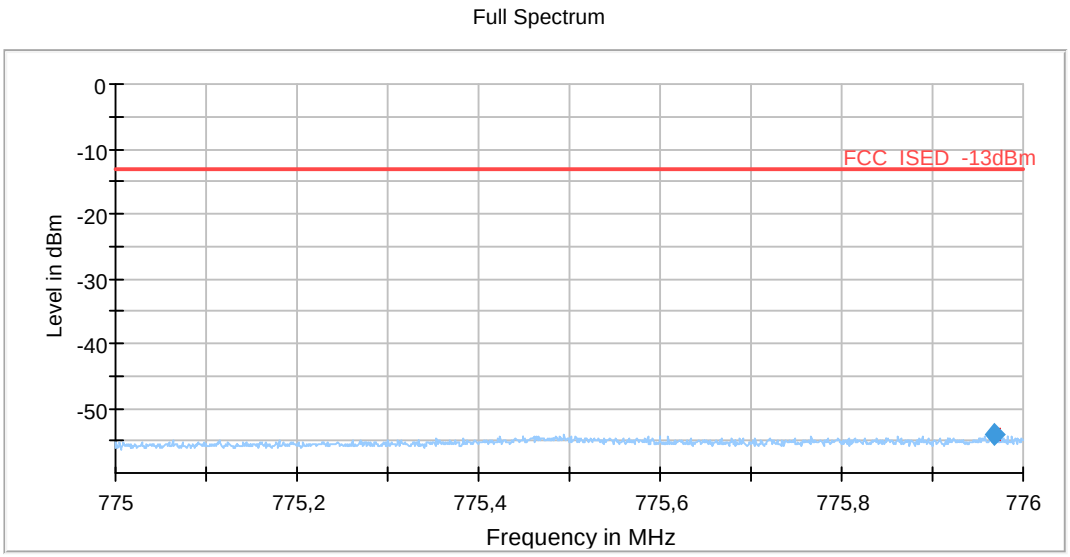
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
716.034000	-32.59	-13.00	19.59	700.0	100.000	H	27.0	0.0	-78

9.1301_Bandedge_low_LTE_FDD_B13_CH_low_RB_1_low_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 13
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27.53 / RSS-130
Operating Mode:	UE allocated channel 23230, RB = 1, Pos = low, BW= 10 MHz, QPSK
Environmental Conditions:	Humidity: 35%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	MNu
Remarks:	EUT - lying position
EUT Setup:	
Verdict:	Passed



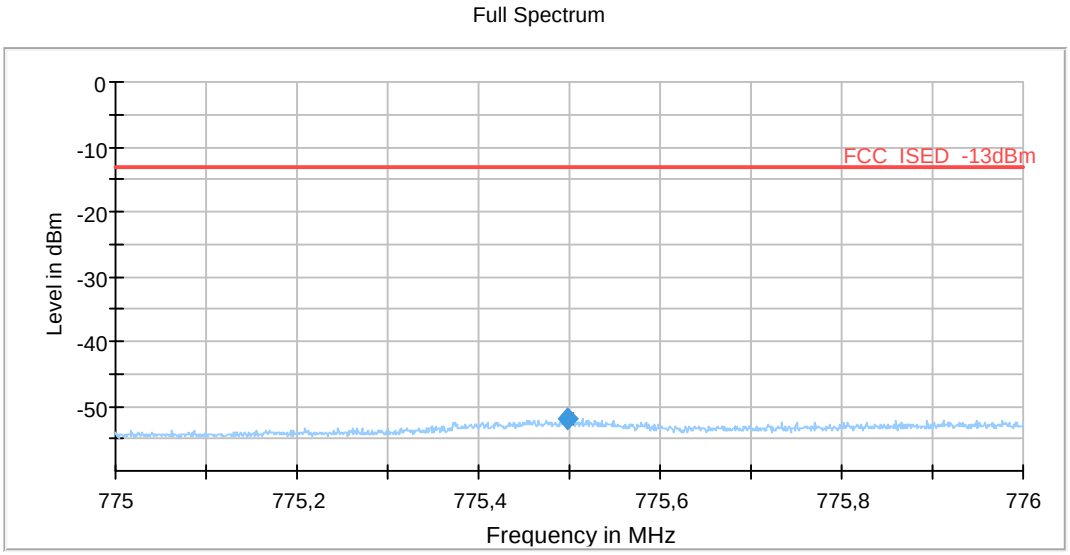
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
775.969000	-53.91	-13.00	40.91	700.0	100.000	H	275.0	0.0	-77.1

9.1301_Bandedge_low_LTE_FDD_B13_CH_low_RB_1_low_standing

Common Information

Test Description:	Band-Edge low - Radiated Spurious Emissions LTE Band V
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 22.917(a) / RSS-132
Operating Mode:	UE allocated channel xxx
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	MNu
Remarks:	EUT - lstanding position
EUT Setup:	01
Verdict:	Passed



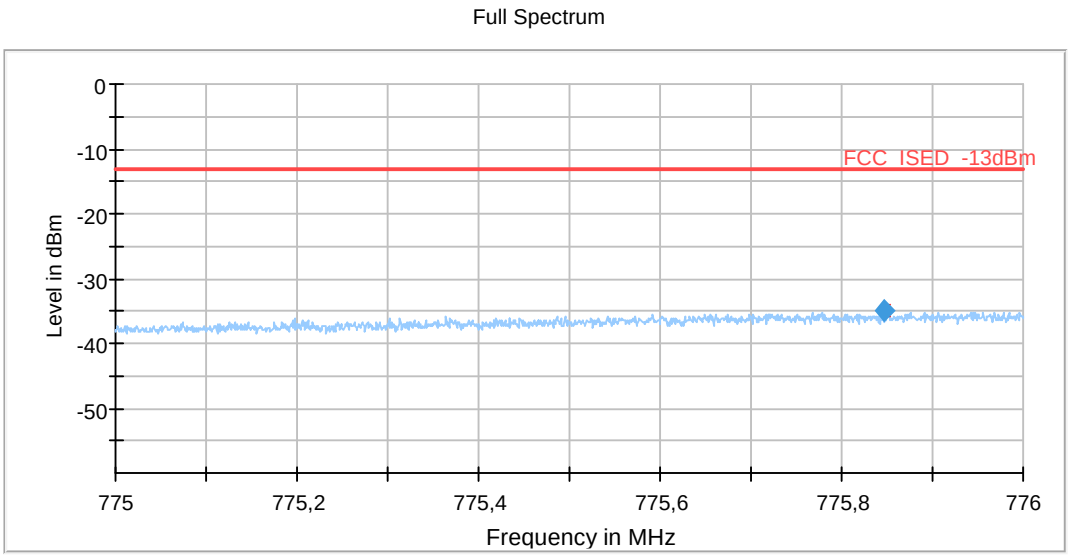
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
775.498000	-51.85	-13.00	38.85	700.0	100.000	H	39.0	90.0	-77

9.1302_Bandedge_low_LTE_FDD_B13_CH_low_RB_full_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 13
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23230, RB = 50, Pos = 0, BW= 10 MHz, QPSK
Environmental Conditions:	Humidity: 35%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	MNu
Remarks:	EUT - lying position
EUT Setup:	
Verdict:	Passed



Final_Result

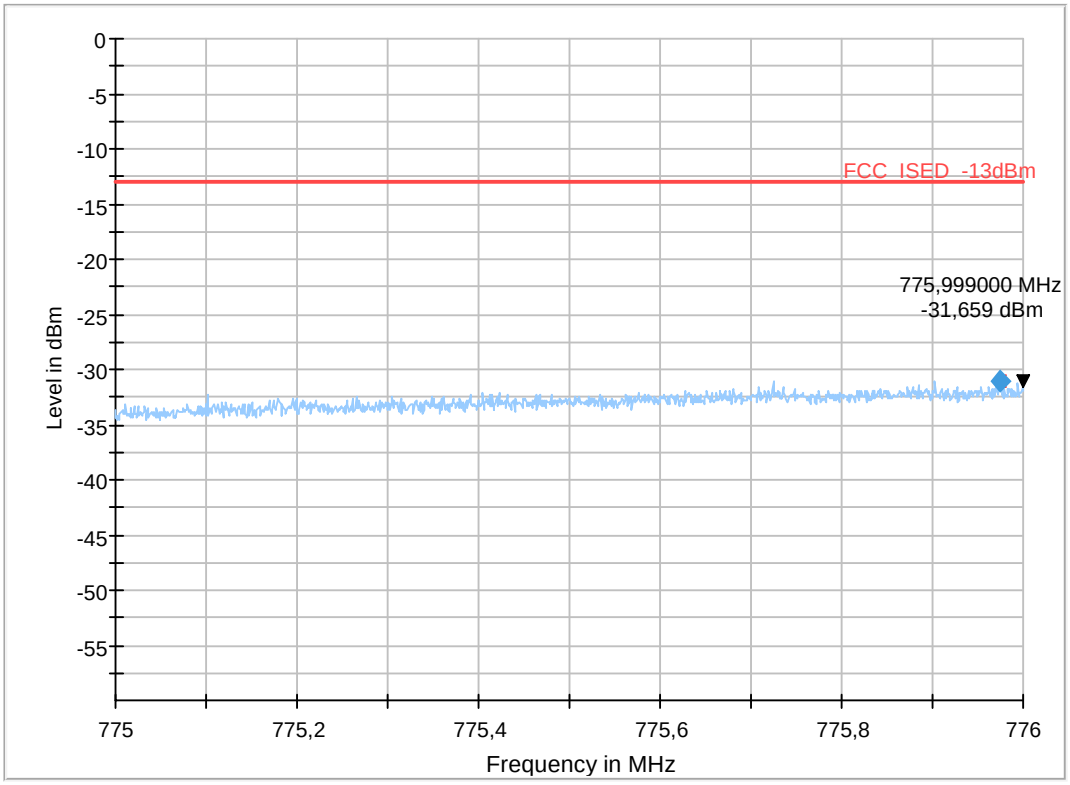
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
775.846000	-35.01	-13.00	22.01	700.0	100.000	H	281.0	0.0	-77.1

9.1302_Bandedge_low_LTE_FDD_B13_CH_low_RB_full_standing

Common Information

Test Description:	Band-Edge low - Radiated Spurious Emissions LTE Band 12
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27/ RSS-130
Operating Mode:	Bandedge_low_LTE_FDD_B13_CH_low_RB_full_standing
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	Dma
Remarks:	EUT - standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum



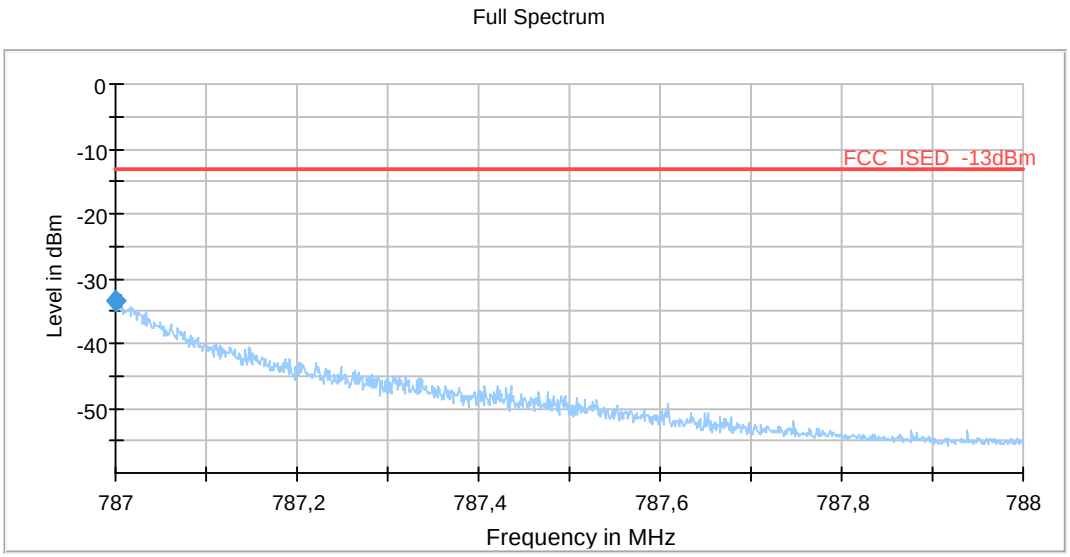
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
775.975000	-30.98	-13.00	17.98	700.0	100.000	H	21.0	0.0	-77

9.1303_Bandedge_high_LTE_FDD_B13_CH_high_RB_1_high_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 13
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23230, RB = 1, Pos = high, BW= 10 MHz, QPSK
Environmental Conditions:	Humidity: 35%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	MNu
Remarks:	EUT - lying position
EUT Setup:	
Verdict:	Passed



Final_Result

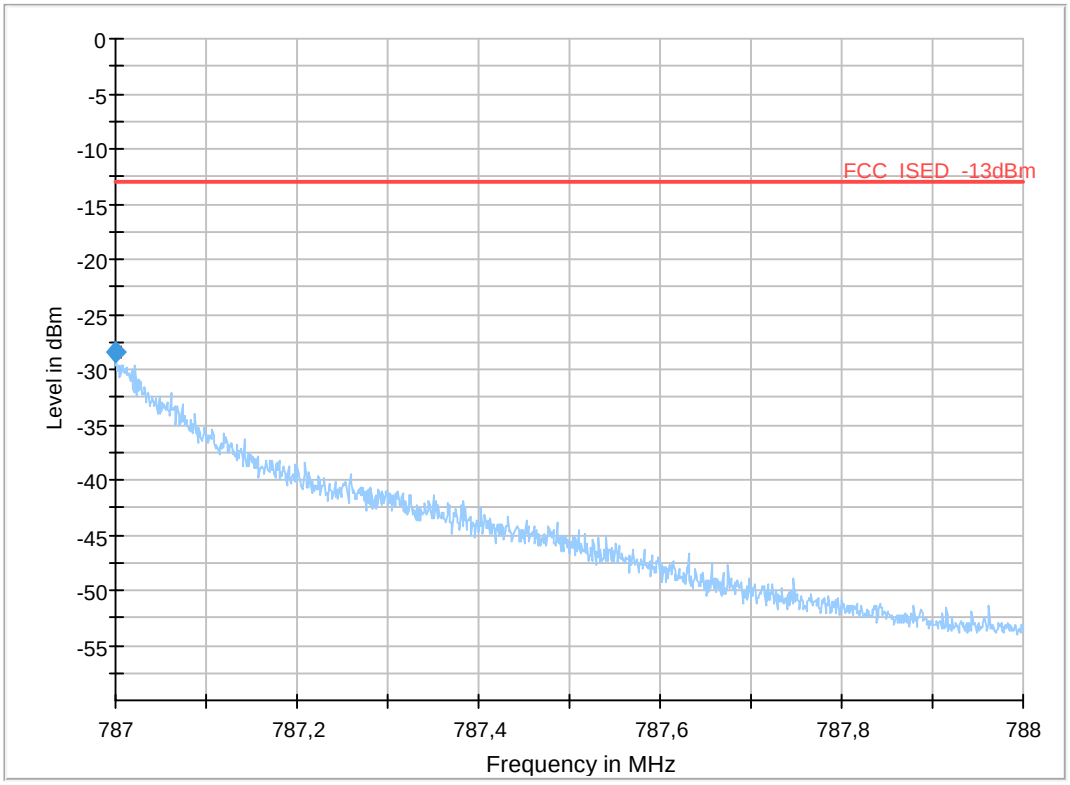
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
787.000000	-33.45	-13.00	20.45	700.0	100.000	H	273.0	0.0	-77.1

9.1303_Bandedge_high_LTE_FDD_B13_CH_high_RB_1_high_standing

Common Information

Test Description:	Band-Edge low - Radiated Spurious Emissions LTE Band 12
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	Bandedge_high_LTE_FDD_B13_CH_high_RB_1_high_standing
Environmental Conditions:	Humidity: 60%rH; Temperature: 20°C
Test SW Version:	EMC32 V10.60.20
Operator:	Dma/ASa
Remarks:	EUT - standing position
EUT Setup:	01
Verdict:	Passed

Full Spectrum



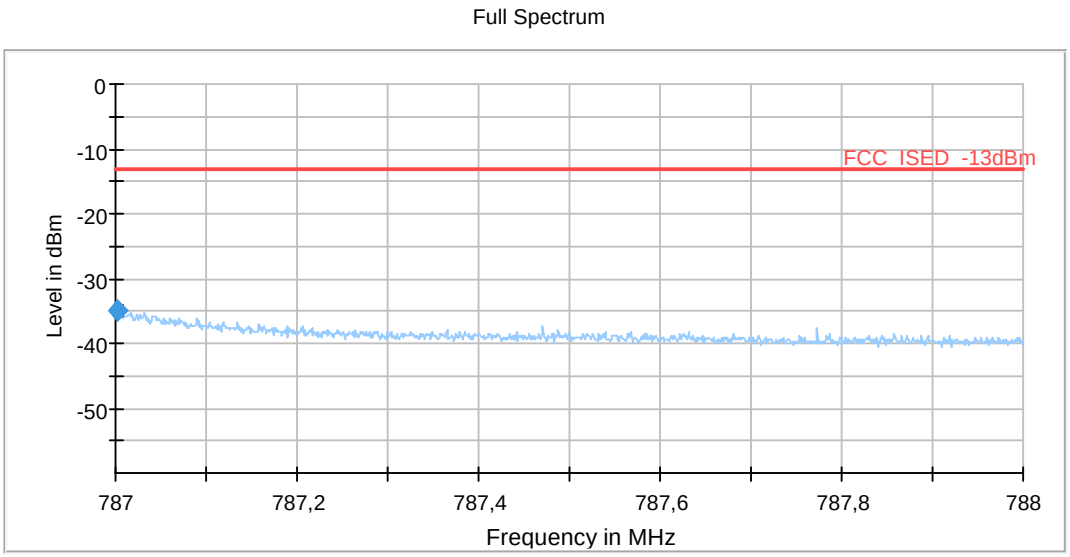
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
787.001000	-28.44	-13.00	15.44	700.0	100.000	H	28.0	0.0	-77

9.1304_Bandedge_high_LTE_FDD_B13_CH_high_RB_Full_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 13
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23230, RB = 50, Pos = 0, BW= 10 MHz, QPSK
Environmental Conditions:	Humidity: 35%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	MNu
Remarks:	EUT - lying position
EUT Setup:	
Verdict:	Passed



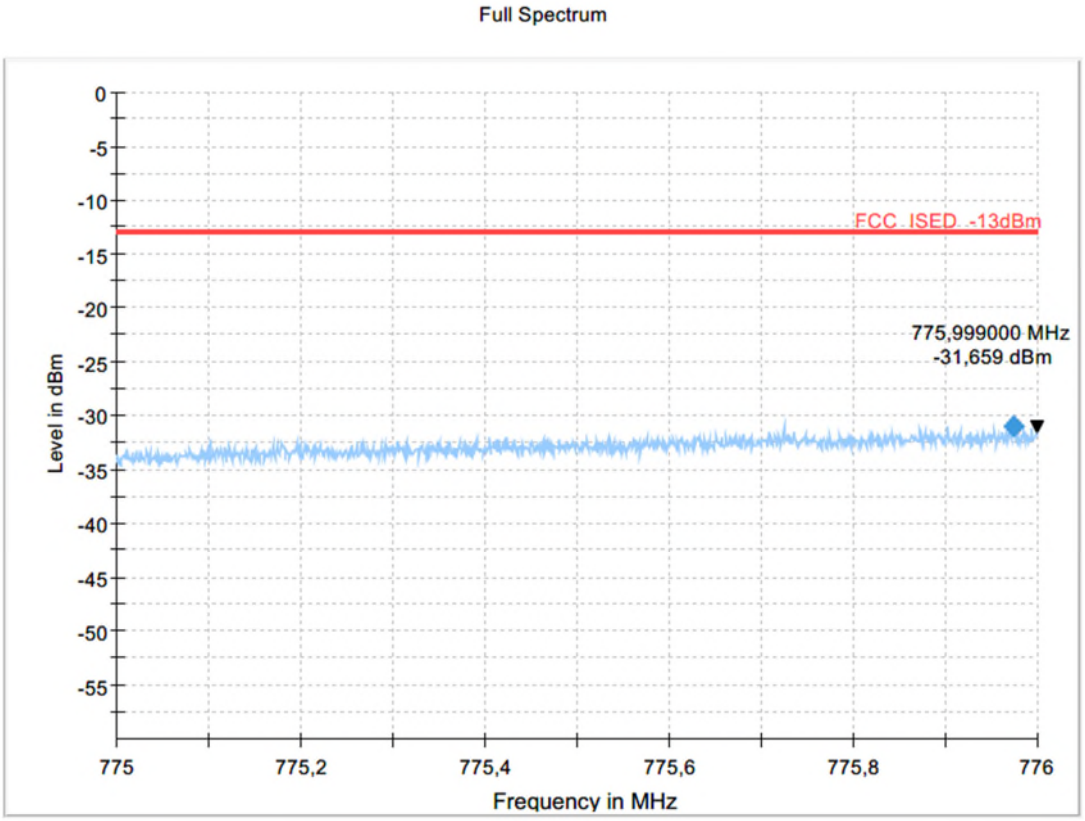
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
787.003000	-34.93	-13.00	21.93	700.0	100.000	H	12.0	0.0	-77.1

9.1304_Bandedge_high_LTE_FDD_B13_CH_high_RB_Full_standing

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 13
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23230, RB = 50, Pos = 0, BW= 10 MHz, QPSK
Environmental Conditions:	Humidity: 35%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	MNu
Remarks:	EUT - lying position
EUT Setup:	
Verdict:	Passed

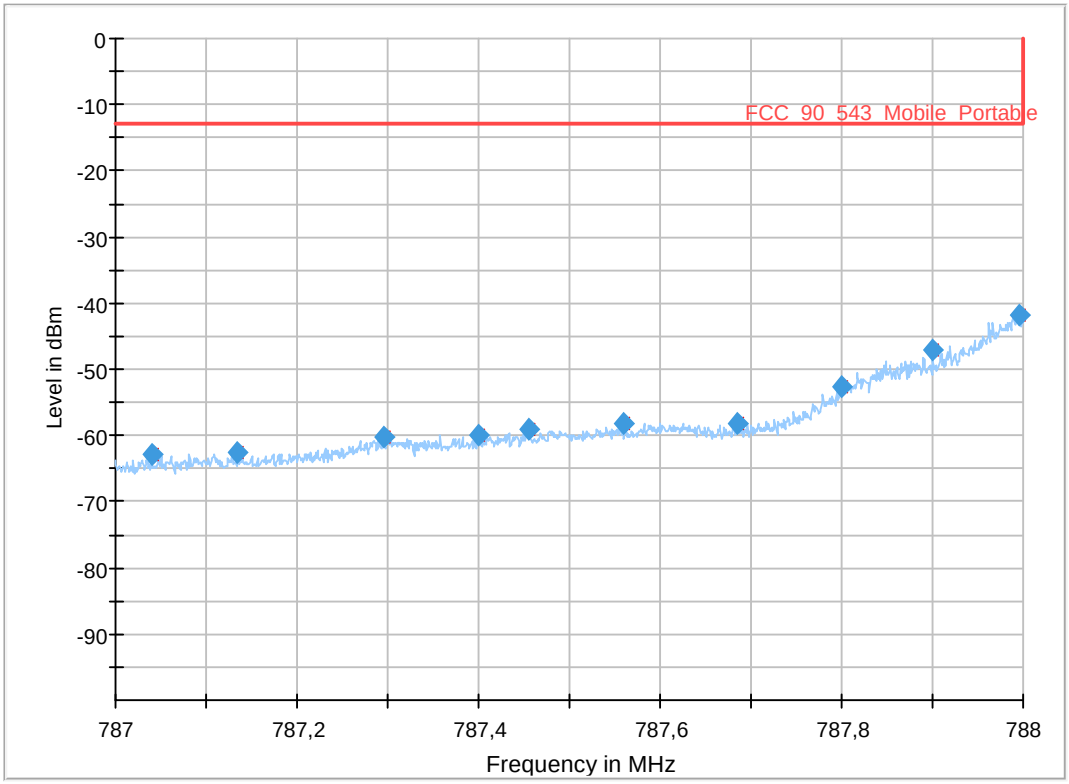


9.1401_Bandedge_low_LTE_FDD_B14_CH_low_RB_1_low_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 14
Test Site Location	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Operationg Mode:	UE allocated channel 23330, RB = 1, Pos0, BW=10MHz, QPSK
Environment Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Operator Name:	PSt
Comment:	EUT - lying position
Verdict:	Passed

Full Spectrum



Final_Result

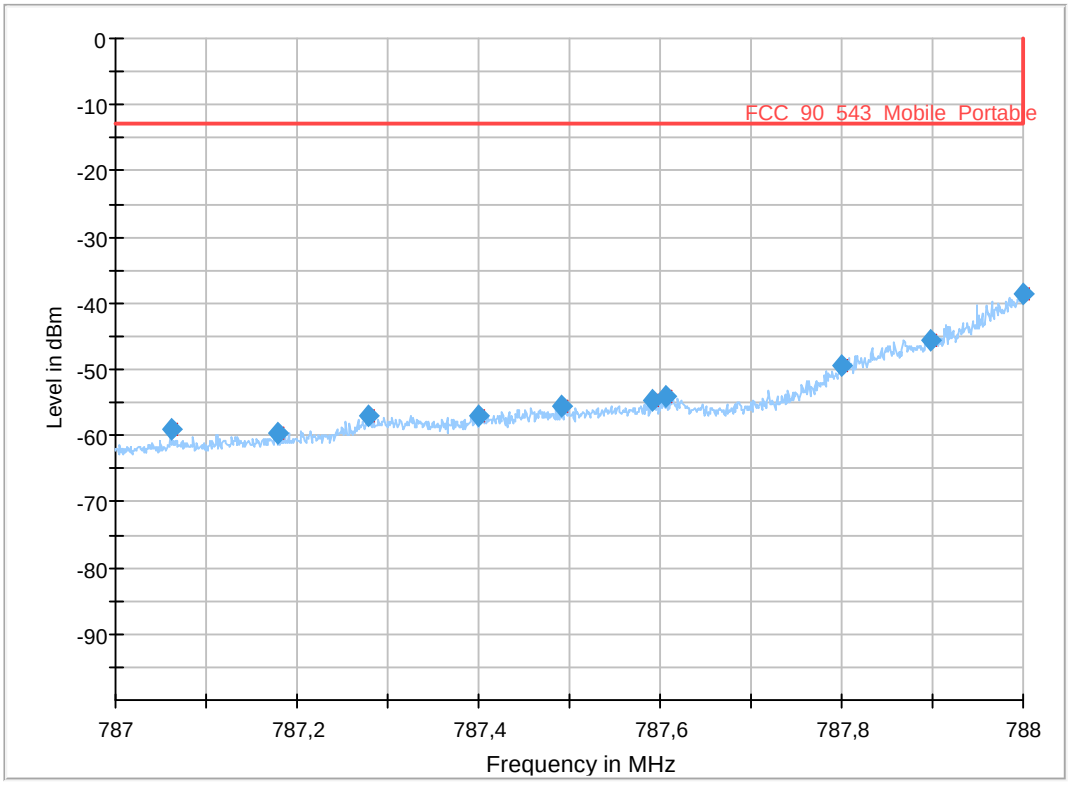
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
787.040000	-62.99	-13.00	49.99	1000.0	30.000	155.0	H	13.0	0.0
787.135000	-62.64	-13.00	49.64	1000.0	30.000	155.0	H	13.0	0.0
787.295000	-60.11	-13.00	47.11	1000.0	30.000	155.0	H	5.0	0.0
787.400000	-59.85	-13.00	46.85	1000.0	30.000	155.0	H	277.0	0.0
787.455000	-59.01	-13.00	46.01	1000.0	30.000	155.0	H	13.0	0.0
787.559000	-58.26	-13.00	45.26	1000.0	30.000	155.0	H	5.0	0.0
787.685000	-58.17	-13.00	45.17	1000.0	30.000	155.0	H	5.0	0.0
787.799000	-52.49	-13.00	39.49	1000.0	30.000	155.0	H	5.0	0.0
787.900000	-47.09	-13.00	34.09	1000.0	30.000	155.0	H	284.0	0.0
787.996000	-41.68	-13.00	28.68	1000.0	30.000	155.0	H	13.0	0.0

9.1401_Bandedge_low_LTE_FDD_B14_CH_low_RB_1_low_standing

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 14
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Operating Mode:	UE allocated channel 23330, RB = 1, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Operator:	PSt
Verdict:	Passed

Full Spectrum



Final_Result

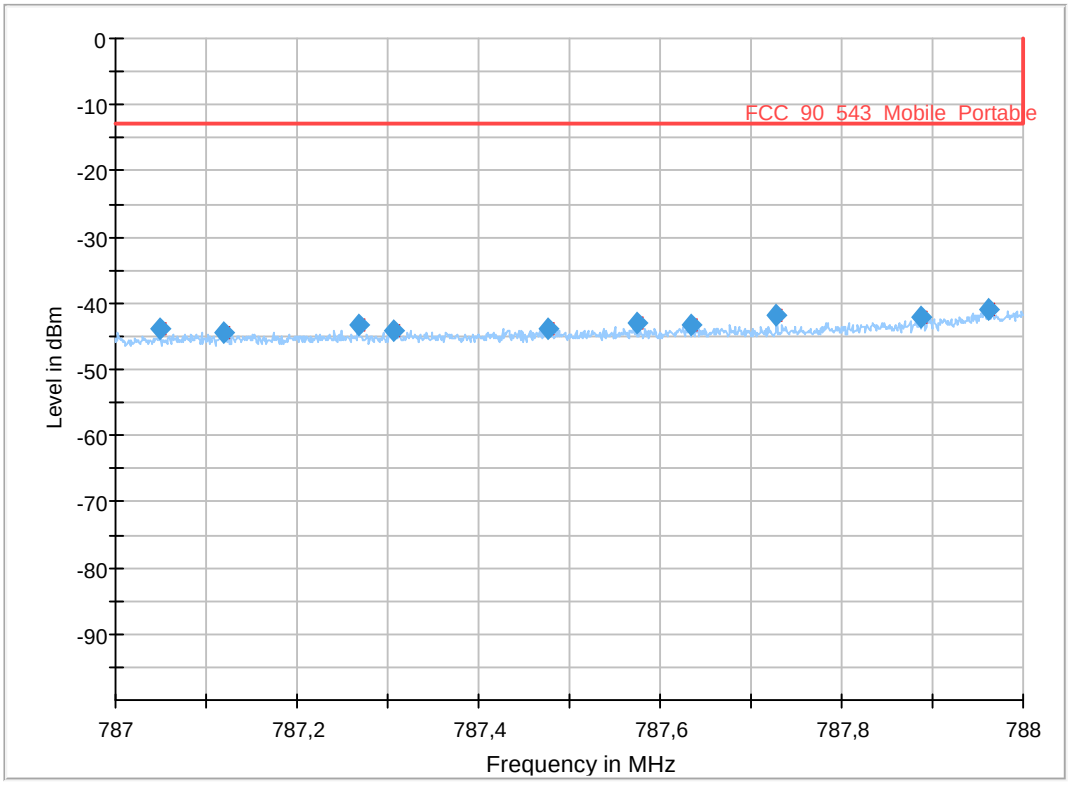
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
787.061000	-59.16	-13.00	46.16	1000.0	30.000	V	29.0	0.0	-77.1
787.178000	-59.69	-13.00	46.69	1000.0	30.000	V	29.0	0.0	-77.1
787.279000	-57.12	-13.00	44.12	1000.0	30.000	V	29.0	0.0	-77.1
787.400000	-56.98	-13.00	43.98	1000.0	30.000	H	340.0	0.0	-77.1
787.492000	-55.64	-13.00	42.64	1000.0	30.000	V	29.0	0.0	-77.1
787.592000	-54.61	-13.00	41.61	1000.0	30.000	H	44.0	0.0	-77.1
787.607000	-54.20	-13.00	41.20	1000.0	30.000	V	29.0	0.0	-77.1
787.800000	-49.53	-13.00	36.53	1000.0	30.000	H	20.0	0.0	-77.1
787.897000	-45.55	-13.00	32.55	1000.0	30.000	H	44.0	0.0	-77.1
787.999000	-38.69	-13.00	25.69	1000.0	30.000	H	44.0	0.0	-77.1

9.1402_Bandedge_low_LTE_FDD_B14_CH_low_RB_Full_lying

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 14
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Operating Mode:	UE allocated channel 23330, RB = 50, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Operator:	PSt
Verdict:	Passed

Full Spectrum



Final_Result

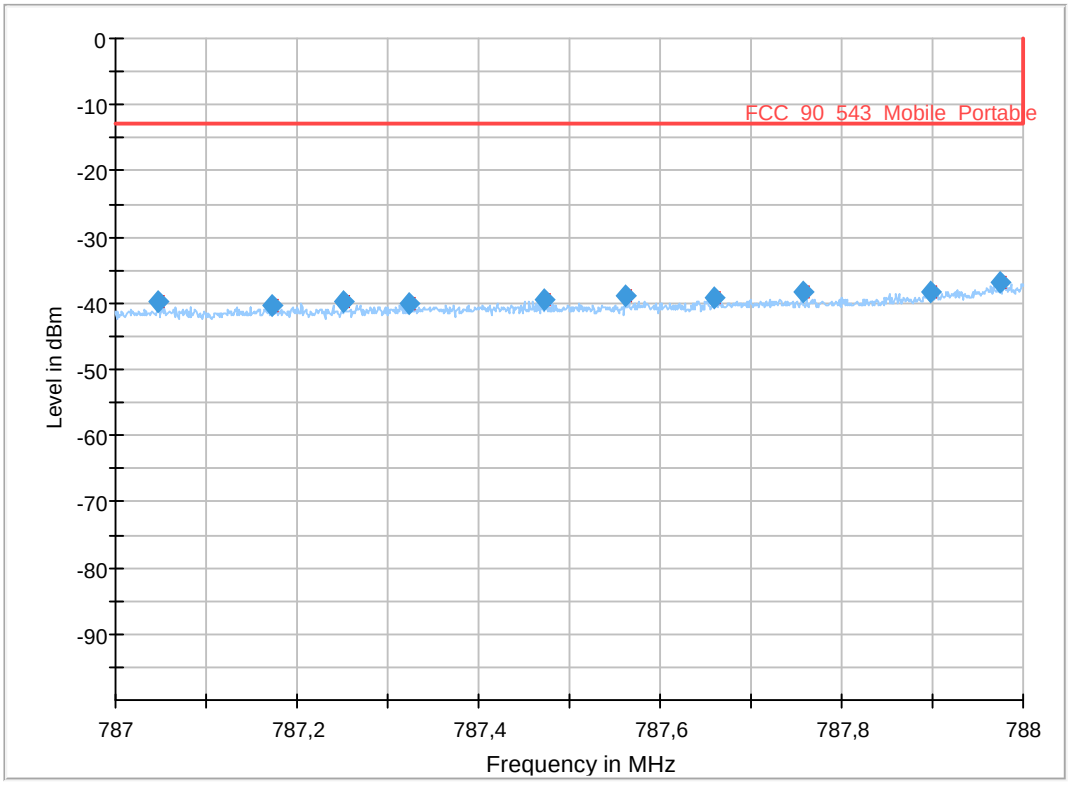
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
787.048000	-44.00	-13.00	31.00	1000.0	30.000	H	19.0	90.0	-77.1
787.119000	-44.48	-13.00	31.48	1000.0	30.000	H	13.0	0.0	-77.1
787.268000	-43.31	-13.00	30.31	1000.0	30.000	H	5.0	0.0	-77.1
787.307000	-44.02	-13.00	31.02	1000.0	30.000	H	19.0	90.0	-77.1
787.477000	-43.72	-13.00	30.72	1000.0	30.000	H	5.0	0.0	-77.1
787.574000	-43.12	-13.00	30.12	1000.0	30.000	H	307.0	90.0	-77.1
787.635000	-43.21	-13.00	30.21	1000.0	30.000	H	19.0	90.0	-77.1
787.728000	-41.78	-13.00	28.78	1000.0	30.000	H	19.0	90.0	-77.1
787.887000	-42.24	-13.00	29.24	1000.0	30.000	H	5.0	0.0	-77.1
787.961000	-40.86	-13.00	27.86	1000.0	30.000	H	5.0	0.0	-77.1

9.1402_Bandedge_low_LTE_FDD_B14_CH_low_RB_Full_standing

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 14
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Operating Mode:	UE allocated channel 23330, RB = 50, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Operator:	PSt
Verdict:	Passed

Full Spectrum



Final_Result

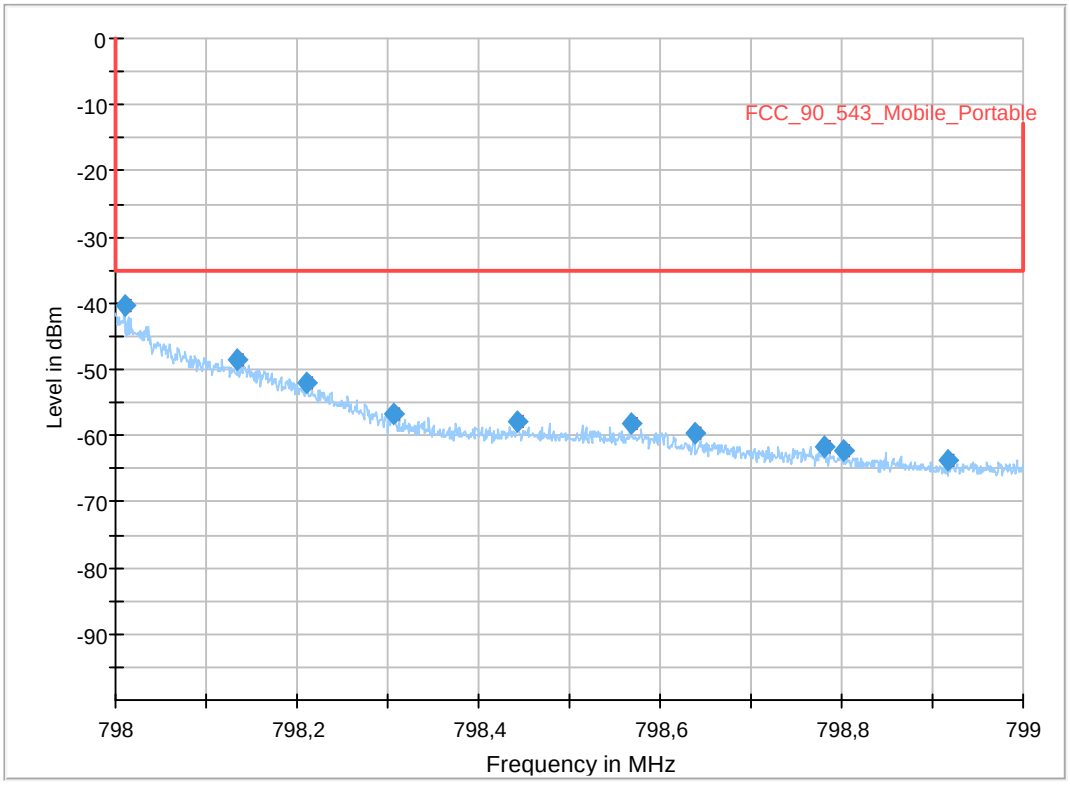
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
787.047000	-39.90	-13.00	26.90	1000.0	30.000	H	28.0	90.0	-77.1
787.172000	-40.41	-13.00	27.41	1000.0	30.000	H	31.0	0.0	-77.1
787.252000	-39.67	-13.00	26.67	1000.0	30.000	H	28.0	90.0	-77.1
787.324000	-39.96	-13.00	26.96	1000.0	30.000	H	28.0	90.0	-77.1
787.473000	-39.50	-13.00	26.50	1000.0	30.000	V	40.0	90.0	-77.1
787.561000	-38.81	-13.00	25.81	1000.0	30.000	V	40.0	90.0	-77.1
787.659000	-39.20	-13.00	26.20	1000.0	30.000	H	28.0	90.0	-77.1
787.757000	-38.35	-13.00	25.35	1000.0	30.000	H	28.0	90.0	-77.1
787.897000	-38.28	-13.00	25.28	1000.0	30.000	V	40.0	90.0	-77.1
787.974000	-36.91	-13.00	23.91	1000.0	30.000	H	28.0	90.0	-77.1

9.1403_Bandedge_high_LTE_FDD_B14_CH_high_RB_1_high_lying

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 14
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Operating Mode:	UE allocated channel 23330, RB = 1, Pos High, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Operator:	PSt
Verdict:	Passed

Full Spectrum



Final_Result

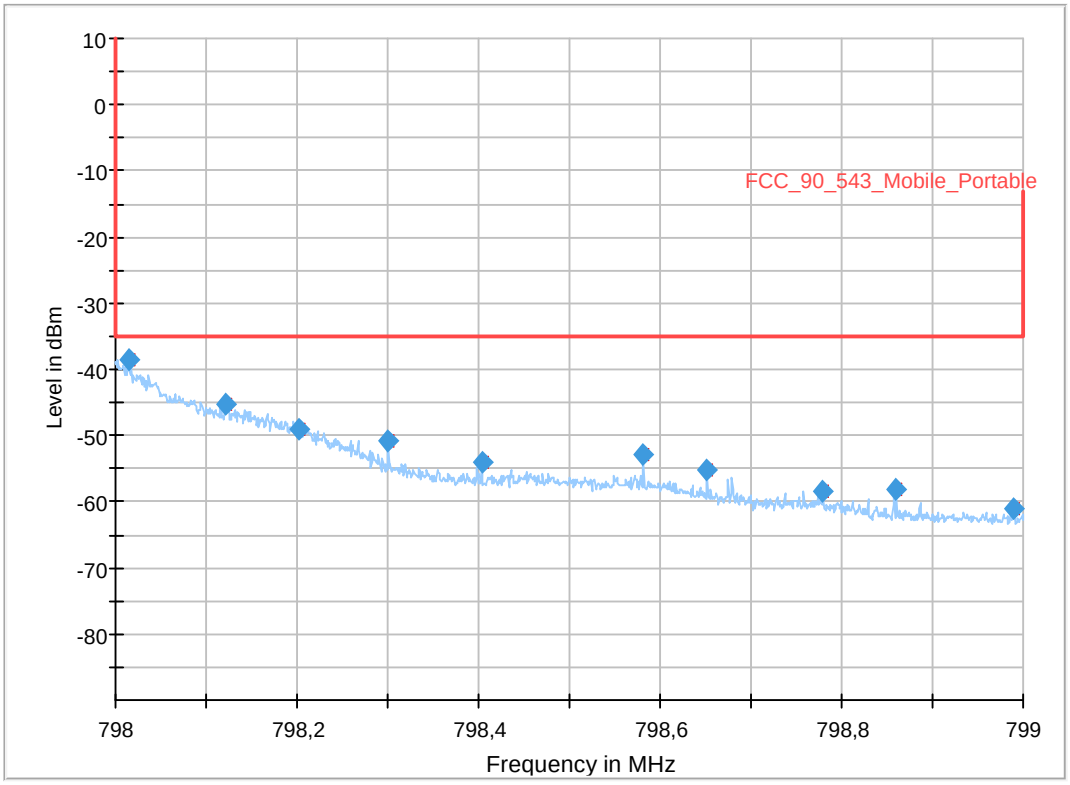
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
798.010000	-40.33	-35.00	5.33	1000.0	30.000	155.0	H	4.0	0.0
798.135000	-48.42	-35.00	13.42	1000.0	30.000	155.0	H	4.0	0.0
798.210000	-52.10	-35.00	17.10	1000.0	30.000	155.0	H	12.0	0.0
798.306000	-56.69	-35.00	21.69	1000.0	30.000	155.0	H	4.0	0.0
798.443000	-58.04	-35.00	23.04	1000.0	30.000	155.0	H	4.0	0.0
798.568000	-58.22	-35.00	23.22	1000.0	30.000	155.0	H	4.0	0.0
798.638000	-59.66	-35.00	24.66	1000.0	30.000	155.0	H	4.0	0.0
798.781000	-61.70	-35.00	26.70	1000.0	30.000	155.0	H	4.0	0.0
798.803000	-62.38	-35.00	27.38	1000.0	30.000	155.0	H	303.0	0.0
798.916000	-63.84	-35.00	28.84	1000.0	30.000	155.0	H	4.0	0.0

9.1403_Bandedge_high_LTE_FDD_B14_CH_high_RB_1_high_standing

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 14
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Operating Mode:	UE allocated channel 23330, RB = 1, Pos High, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Operator:	PSt
Verdict:	Passed

Full Spectrum



Final_Result

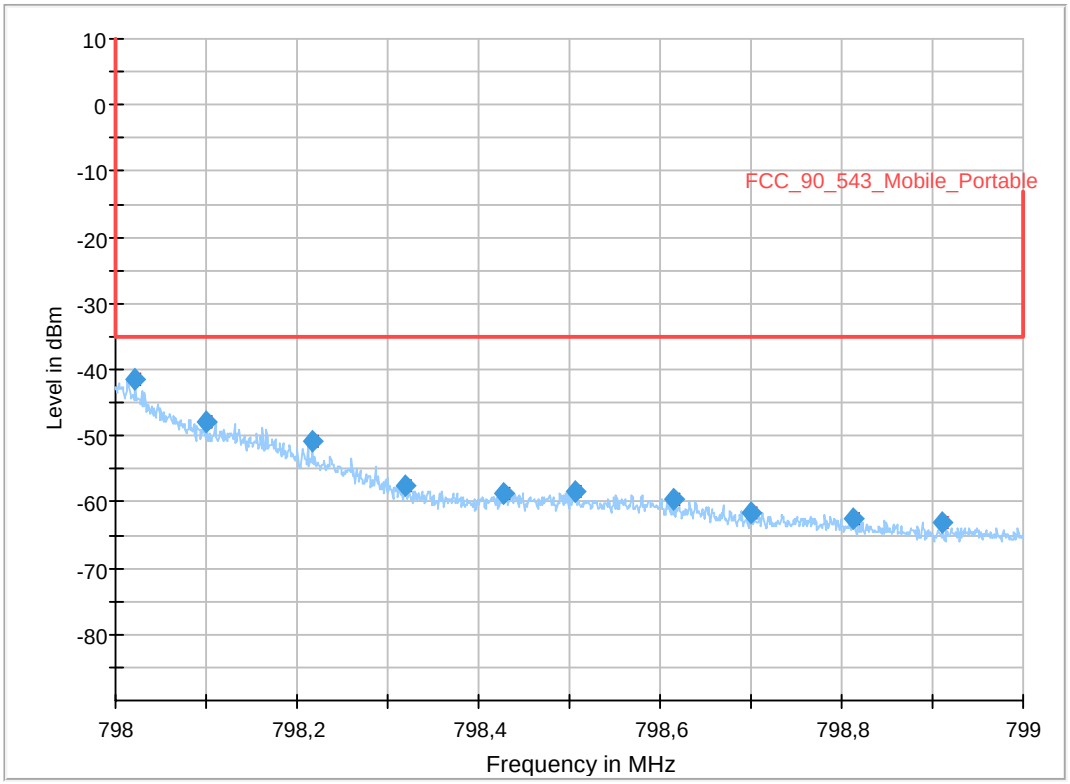
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
798.014000	-38.53	-35.00	3.53	1000.0	30.000	155.0	H	9.0	0.0
798.121000	-45.27	-35.00	10.27	1000.0	30.000	155.0	H	40.0	0.0
798.202000	-49.03	-35.00	14.03	1000.0	30.000	155.0	V	35.0	0.0
798.301000	-50.94	-35.00	15.94	1000.0	30.000	155.0	V	359.0	0.0
798.404000	-54.01	-35.00	19.01	1000.0	30.000	155.0	V	13.0	0.0
798.581000	-52.89	-35.00	17.89	1000.0	30.000	155.0	V	0.0	0.0
798.652000	-55.12	-35.00	20.12	1000.0	30.000	155.0	V	43.0	0.0
798.779000	-58.32	-35.00	23.32	1000.0	30.000	155.0	H	331.0	0.0
798.860000	-58.23	-35.00	23.23	1000.0	30.000	155.0	V	43.0	0.0
798.990000	-61.18	-35.00	26.18	1000.0	30.000	155.0	V	28.0	0.0

9.1404_Bandedge_high_LTE_FDD_B14_CH_high_RB_Full_lying

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 14
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23330, RB = 50, Pos High, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Operator:	PSt
Verdict:	Passed

Full Spectrum



Final_Result

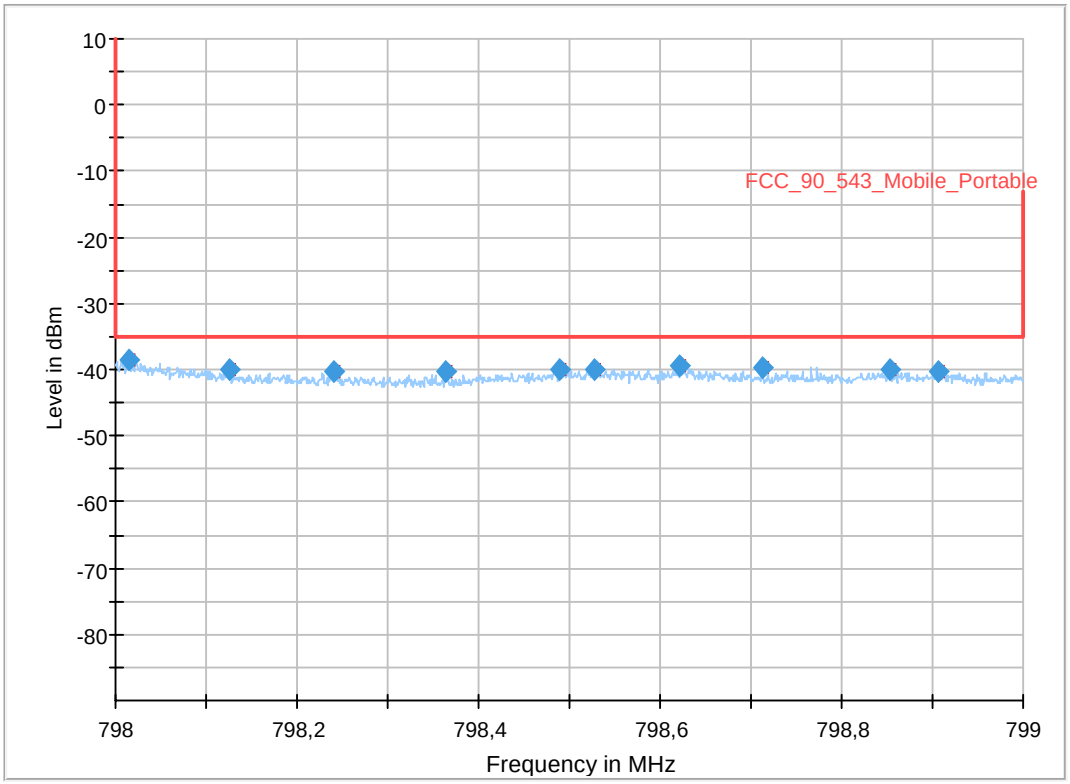
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
798.022000	-41.41	-35.00	6.41	1000.0	30.000	155.0	H	4.0	0.0
798.101000	-47.83	-35.00	12.83	1000.0	30.000	155.0	H	13.0	0.0
798.217000	-50.96	-35.00	15.96	1000.0	30.000	155.0	H	4.0	0.0
798.320000	-57.42	-35.00	22.42	1000.0	30.000	155.0	H	13.0	0.0
798.427000	-58.66	-35.00	23.66	1000.0	30.000	155.0	H	4.0	0.0
798.507000	-58.45	-35.00	23.45	1000.0	30.000	155.0	H	4.0	0.0
798.615000	-59.68	-35.00	24.68	1000.0	30.000	155.0	H	4.0	0.0
798.701000	-61.65	-35.00	26.65	1000.0	30.000	155.0	H	4.0	0.0
798.813000	-62.37	-35.00	27.37	1000.0	30.000	155.0	H	4.0	0.0
798.911000	-63.24	-35.00	28.24	1000.0	30.000	155.0	H	4.0	0.0

9.1404_Bandedge_high_LTE_FDD_B14_CH_high_RB_Full_standing

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 14
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23330, RB = 50, Pos High, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Operator:	PSt
Verdict:	Passed

Full Spectrum



Final_Result

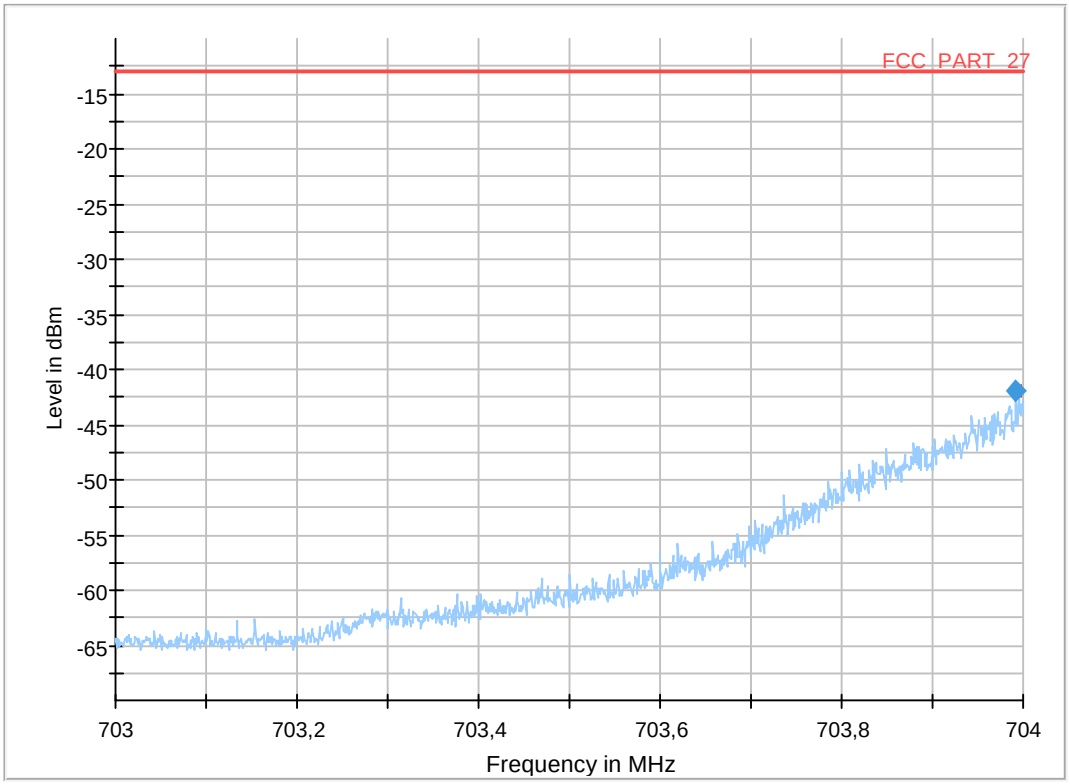
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
798.014000	-38.56	-35.00	3.56	1000.0	30.000	155.0	V	35.0	0.0
798.126000	-40.08	-35.00	5.08	1000.0	30.000	155.0	V	28.0	0.0
798.241000	-40.38	-35.00	5.38	1000.0	30.000	155.0	H	30.0	0.0
798.363000	-40.37	-35.00	5.37	1000.0	30.000	155.0	V	35.0	0.0
798.489000	-39.94	-35.00	4.94	1000.0	30.000	155.0	V	35.0	0.0
798.527000	-39.97	-35.00	4.97	1000.0	30.000	155.0	V	28.0	0.0
798.622000	-39.56	-35.00	4.56	1000.0	30.000	155.0	H	15.0	0.0
798.712000	-39.67	-35.00	4.67	1000.0	30.000	155.0	H	340.0	0.0
798.853000	-40.09	-35.00	5.09	1000.0	30.000	155.0	H	38.0	0.0
798.907000	-40.43	-35.00	5.43	1000.0	30.000	155.0	H	54.0	0.0

9.1701_Bandedge_low_LTE_FDD_B17_CH_low_RB_1_low_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 17
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23790
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	Lor
Remarks:	EUT - lying/standing position
EUT Setup:	1
Verdict:	Passed

Full Spectrum



Final_Result

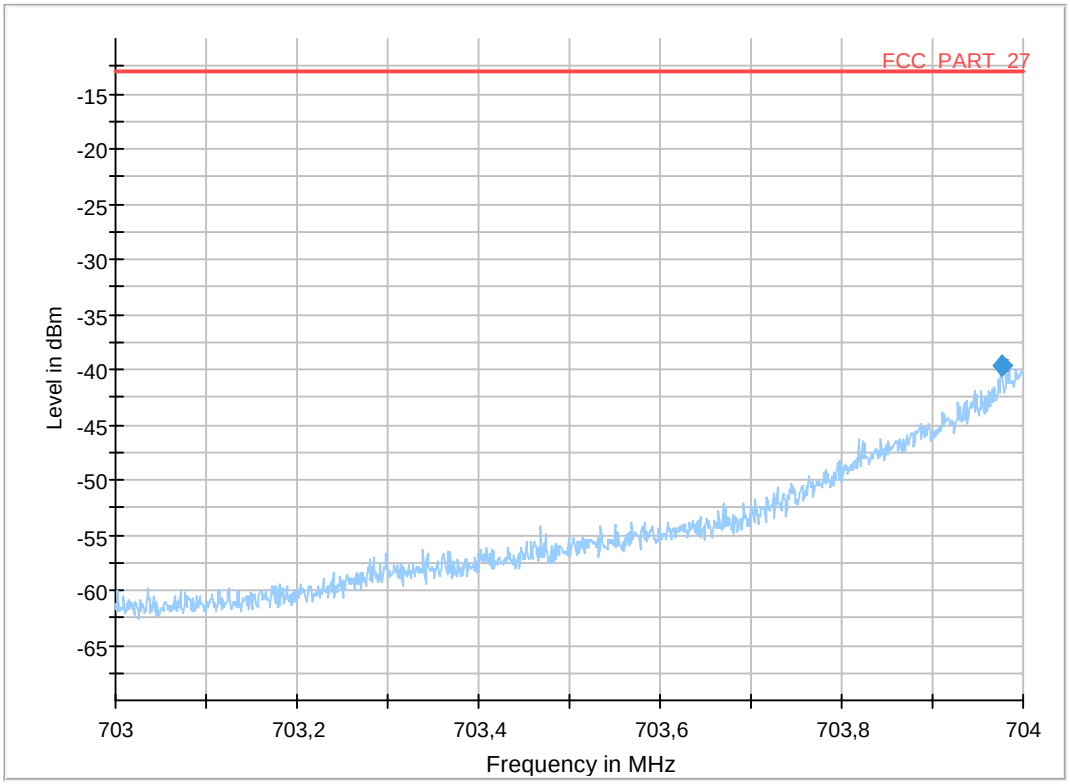
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
703.992000	-41.88	-13.00	28.88	1000.0	30.000	H	291.0	-77.9	2.0

9.1701_Bandedge_low_LTE_FDD_B17_CH_low_RB_1_low_standing

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 17
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23780, RB = 1, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt
Remarks:	EUT - standing position
EUT Setup:	1
Verdict:	Passed

Full Spectrum



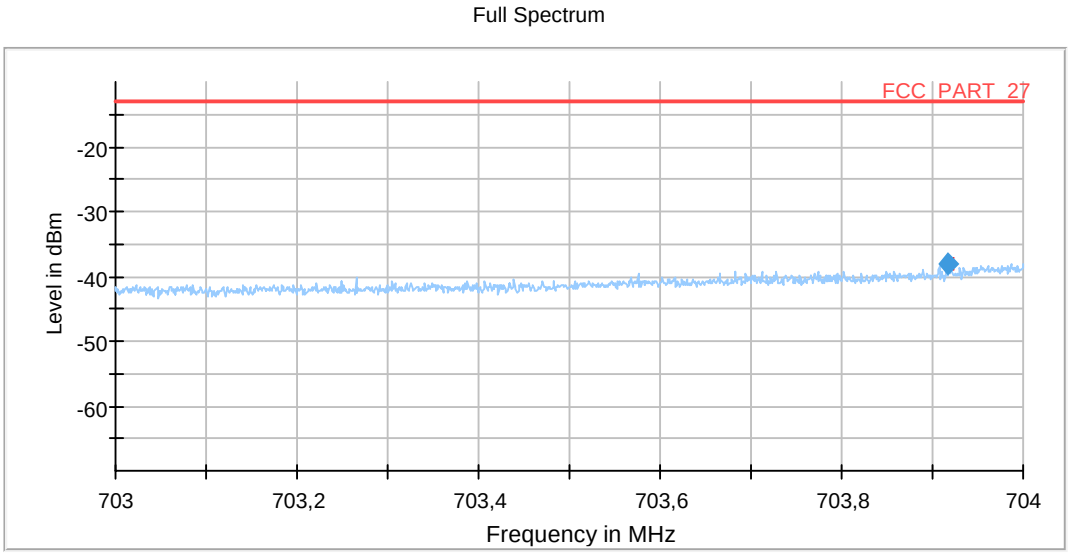
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
703.976000	-39.69	-13.00	26.69	1000.0	30.000	H	-11.0	-77.9	2.0

9.1702_Bandedge_low_LTE_FDD_B17_CH_low_RB_Full_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 17
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23780, Full RBs, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	Lor
Remarks:	EUT - lying position
EUT Setup:	1
Verdict:	Passed



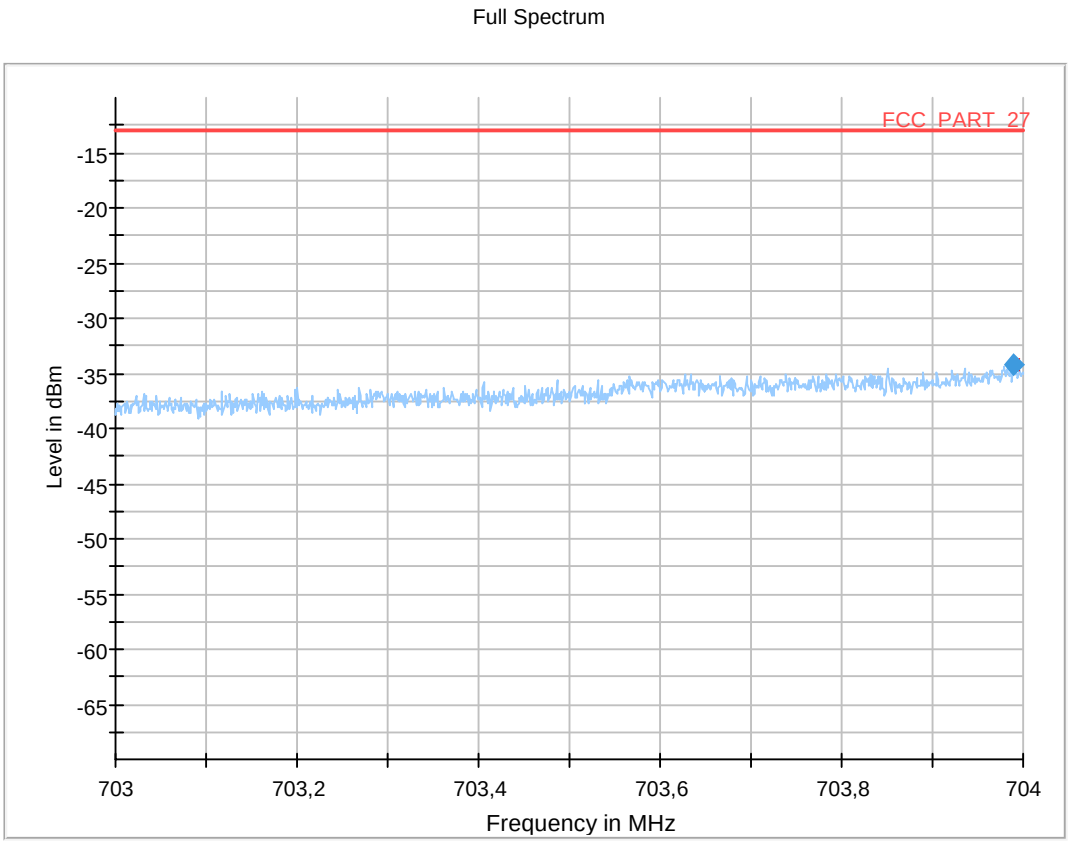
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
703.918000	-38.15	-13.00	25.15	1000.0	30.000	H	26.0	90.0	-77.9

9.1702_Bandedge_low_LTE_FDD_B17_CH_low_RB_Full_standing

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 17
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23780, RB = 50, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt
Remarks:	EUT - standing position
EUT Setup:	1
Verdict:	Passed



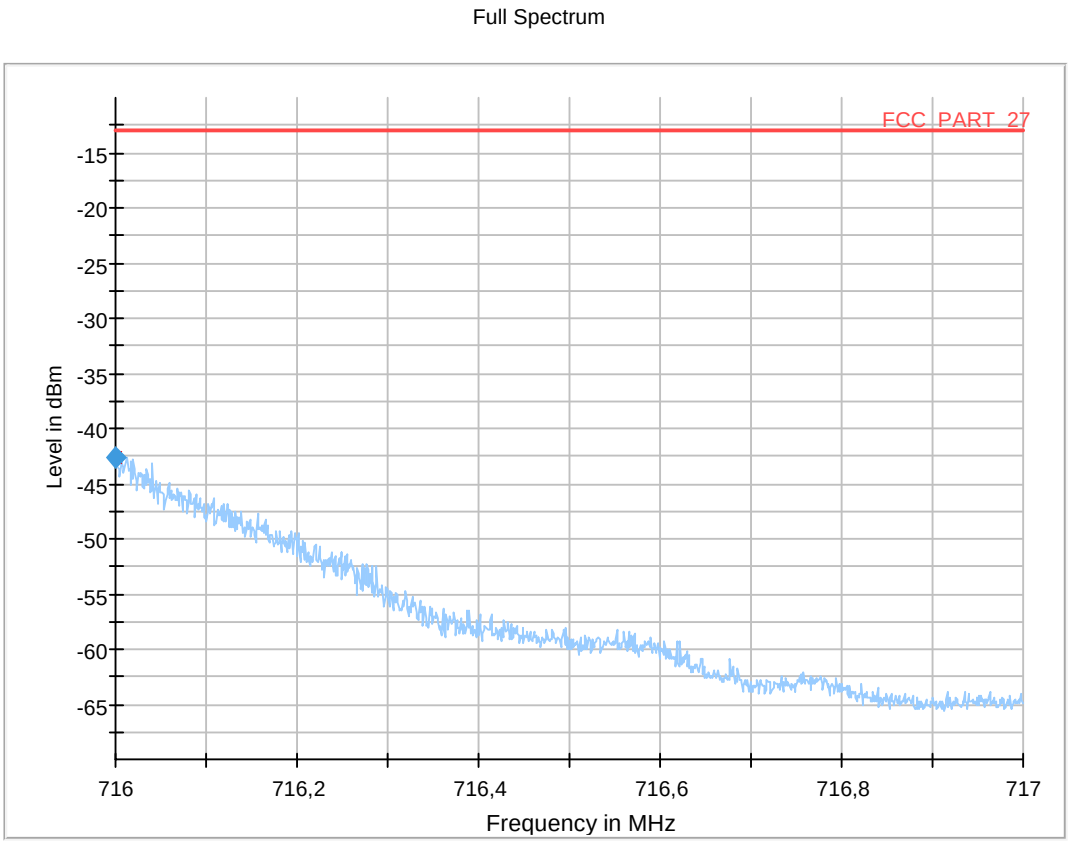
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
703.989000	-34.25	-13.00	21.25	1000.0	30.000	H	-12.0	-77.9	2.0

9.1703_Bandedge_high_LTE_FDD_B17_CH_high_RB_1_high_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 17
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23780
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	Lor
Remarks:	EUT - lying/standing position
EUT Setup:	1
Verdict:	Passed



Final_Result

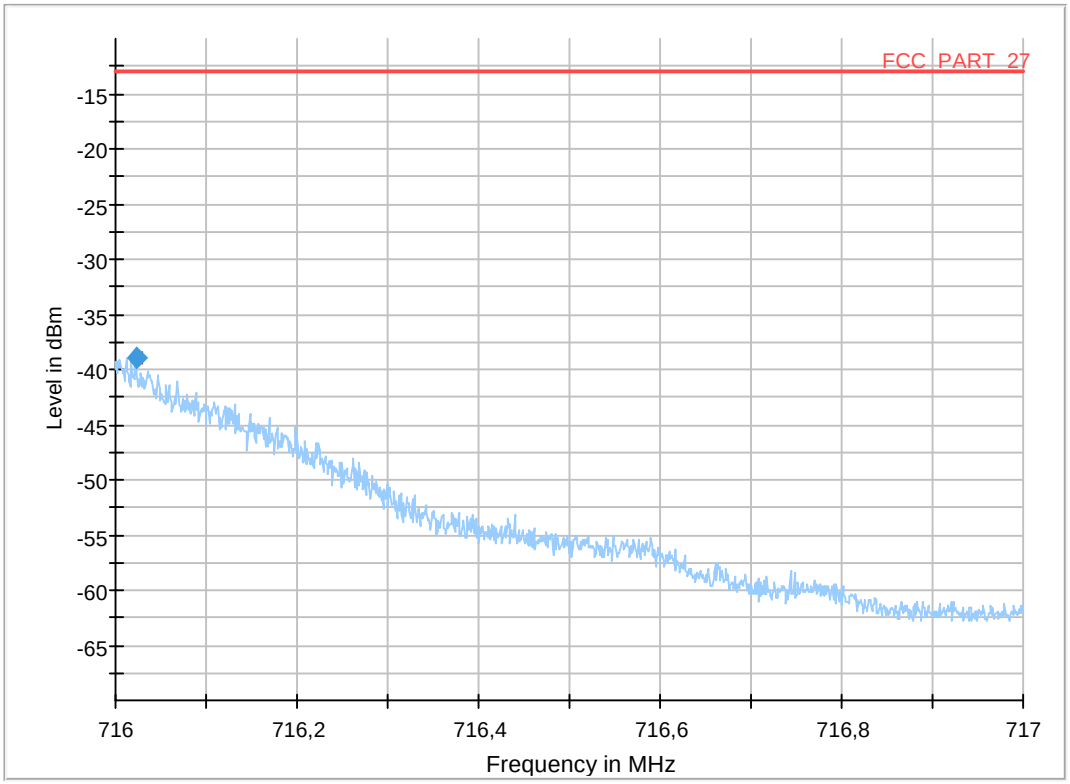
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
716.001000	-42.60	-13.00	29.60	1000.0	30.000	H	14.0	-77.6	2.1

9.1703_Bandedge_high_LTE_FDD_B17_CH_high_RB_1_high_standing

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 17
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23800
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt
Remarks:	EUT - standing position
EUT Setup:	1
Verdict:	Passed

Full Spectrum



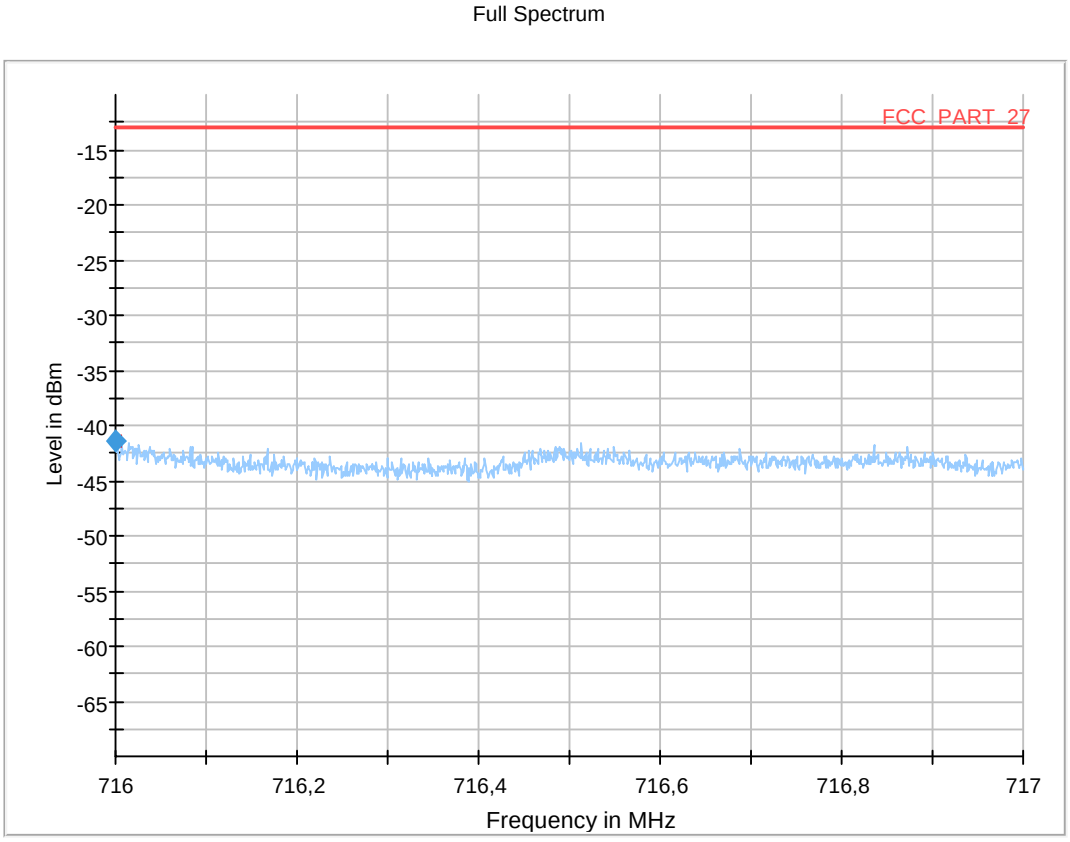
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
716.023000	-38.88	-13.00	25.88	1000.0	30.000	H	-15.0	-77.6	2.1

9.1704_Bandedge_high_LTE_FDD_B17_CH_high_RB_Full_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 17
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23780
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	Lor
Remarks:	EUT - lying/standing position
EUT Setup:	1
Verdict:	Passed



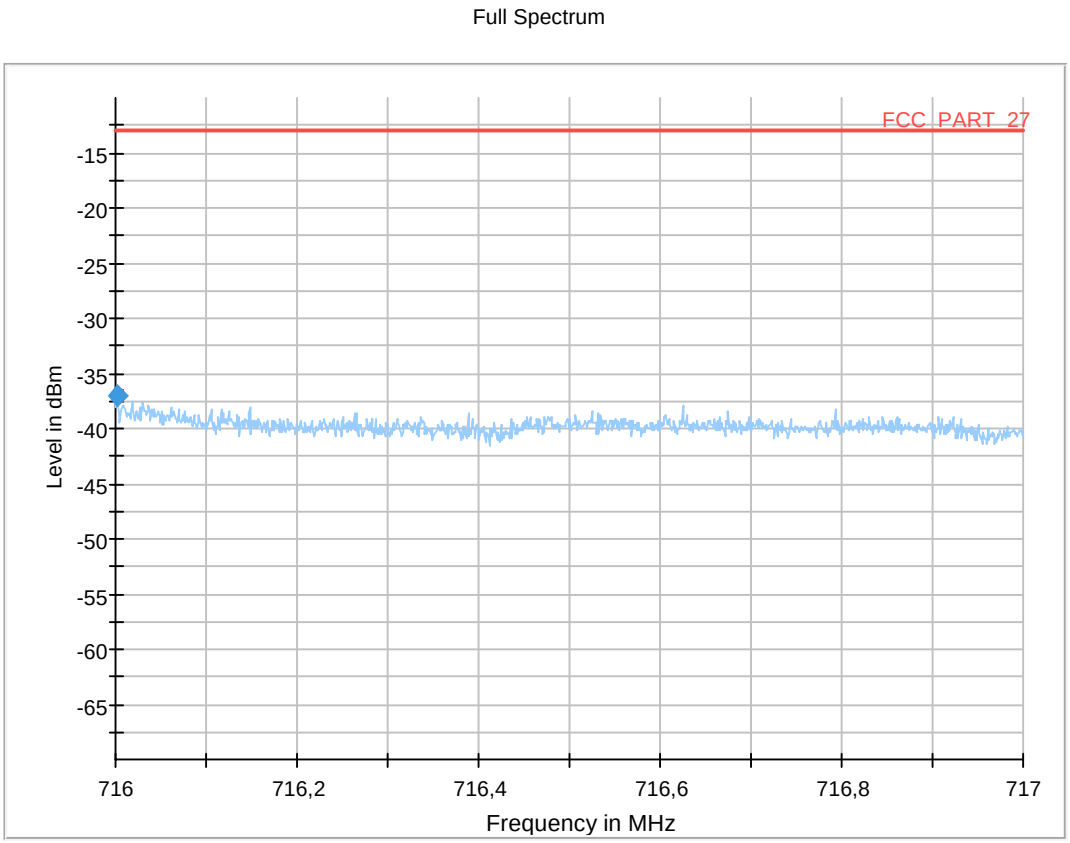
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
716.000000	-41.46	-13.00	28.46	1000.0	30.000	H	287.0	-77.6	2.1

9.1704_Bandedge_high_LTE_FDD_B17_CH_high_RB_Full_standing

Common Information

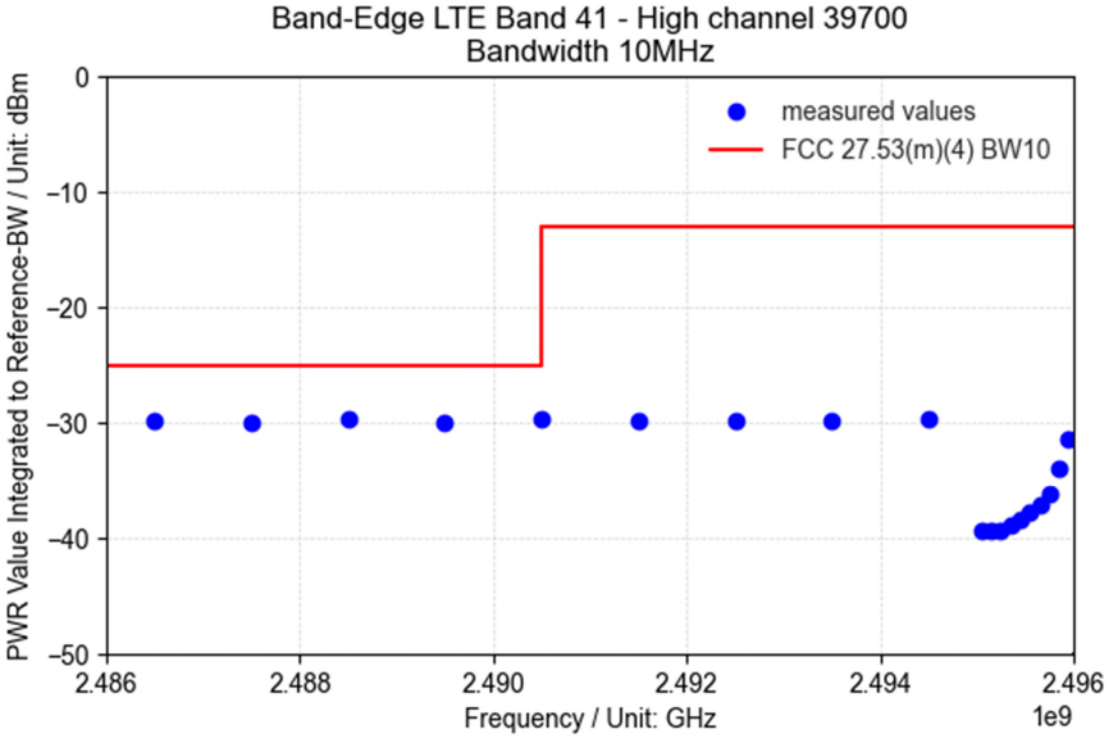
Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 17
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 23800, RB = 50, Pos High, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt
Remarks:	EUT - standing position
EUT Setup:	1
Verdict:	Passed



Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
716.002000	-36.96	-13.00	23.96	1000.0	30.000	H	47.0	-77.6	2.1

9.4101_01_BE_low_Step2_1RB0_EUT_standing_A65_A90_AntH

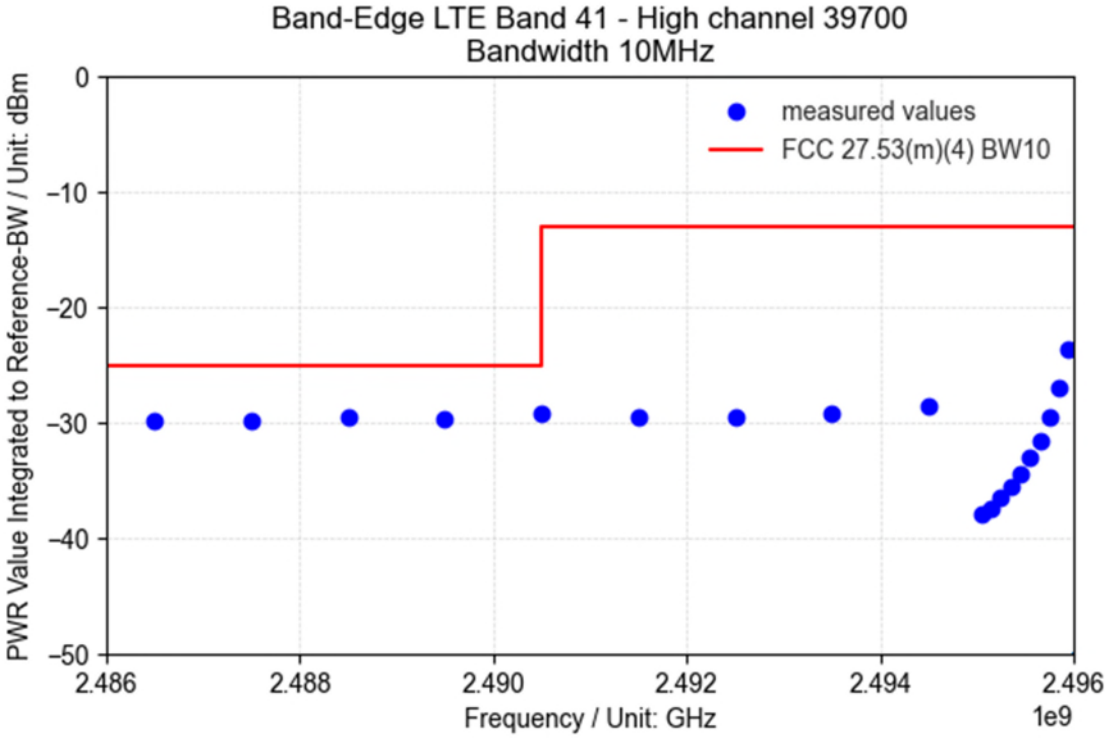


Remark: final measurement performed at worst case standing position only

Frequency:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495050000.0, 2495150000.0, 2495250000.0, 2495350000.0, 2495450000.0, 2495550000.0, 2495650000.0, 2495750000.0, 2495850000.0, 2495950000.0

Level:
-29.8538379669, -29.9448776245, -29.6071548462, -29.9255447388, -29.5979976654, -29.8446121216, -29.7700138092, -29.8943138123, -29.6150302887, -39.4152297974, -39.3315086365, -39.3140830994, -38.8528785706, -38.418888092, -37.7798614502, -37.1132507324, -36.1449165344, -33.9459724426, -31.3509101868

9.4101_02_BE_low_Step2_1RB0_EUT_standing_A137_A90_AntV

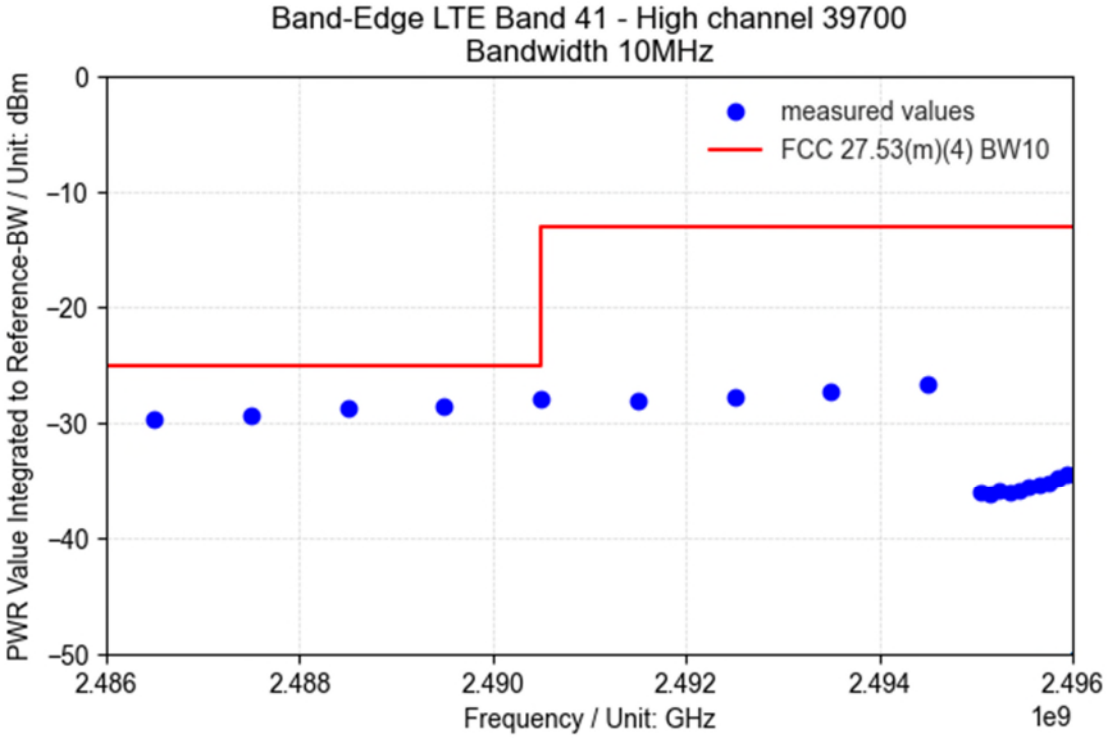


Remark: final measurement performed at worst case standing position only

Frequency:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495050000.0, 2495150000.0, 2495250000.0, 2495350000.0, 2495450000.0, 2495550000.0, 2495650000.0, 2495750000.0, 2495850000.0, 2495950000.0

Level:
-29.7807388306, -29.8098526001, -29.4955711365, -29.7022266388, -29.1209049225, -29.4621620178, -29.4488830566, -29.2737102509, -28.6140842438, -37.923538208, -37.4340858459, -36.5682182312, -35.5566825867, -34.492767334, -33.0530128479, -31.6346549988, -29.5963382721, -26.9603424072, -23.6039085388

9.4102_01_BE_low_Step2_50RB_EUT_standing_A65_A90_AntH

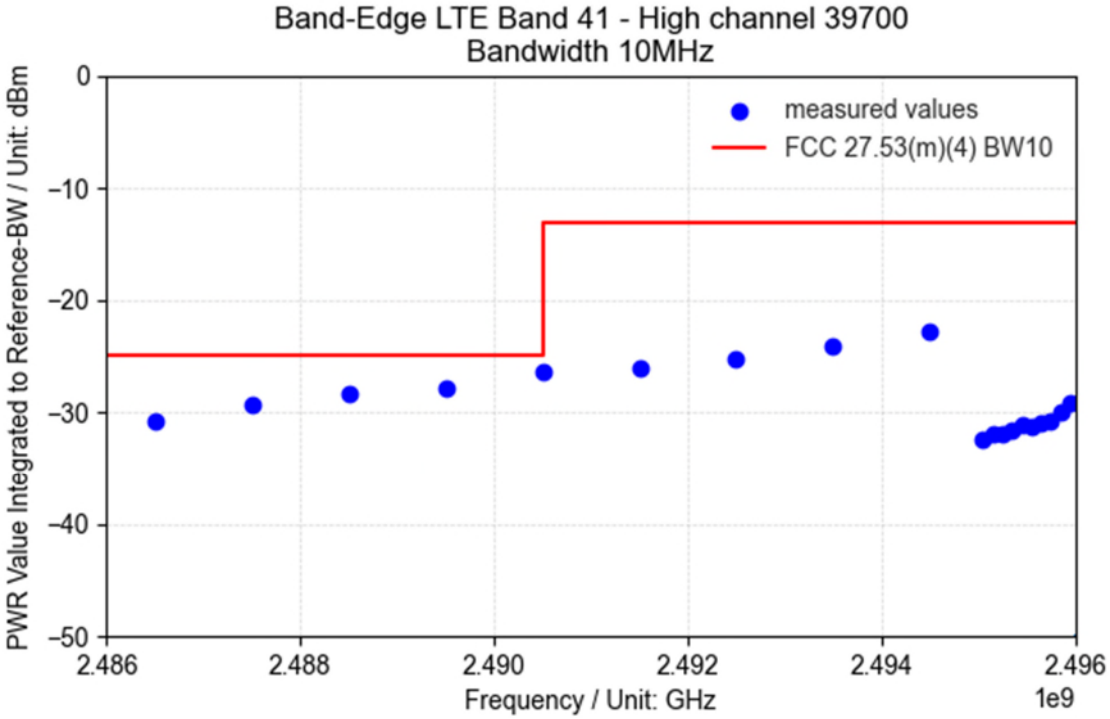


Remark: final measurement performed at worst case standing position only

Frequency:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495050000.0, 2495150000.0, 2495250000.0, 2495350000.0, 2495450000.0, 2495550000.0, 2495650000.0, 2495750000.0, 2495850000.0, 2495950000.0

Level:
-29.6126079559, -29.391620636, -28.7552757263, -28.5478897095, -28.0076885223, -28.0796737671, -27.7898788452, -27.3154602051, -26.6144351959, -36.1035194397, -36.1235466003, -35.8575935364, -36.0447540283, -35.8764419556, -35.6268463135, -35.4497680664, -35.264251709, -34.7759284973, -34.4864311218

9.4102_02_BE_low_Step2_50RB_EUT_standing_A137_A90_AntV

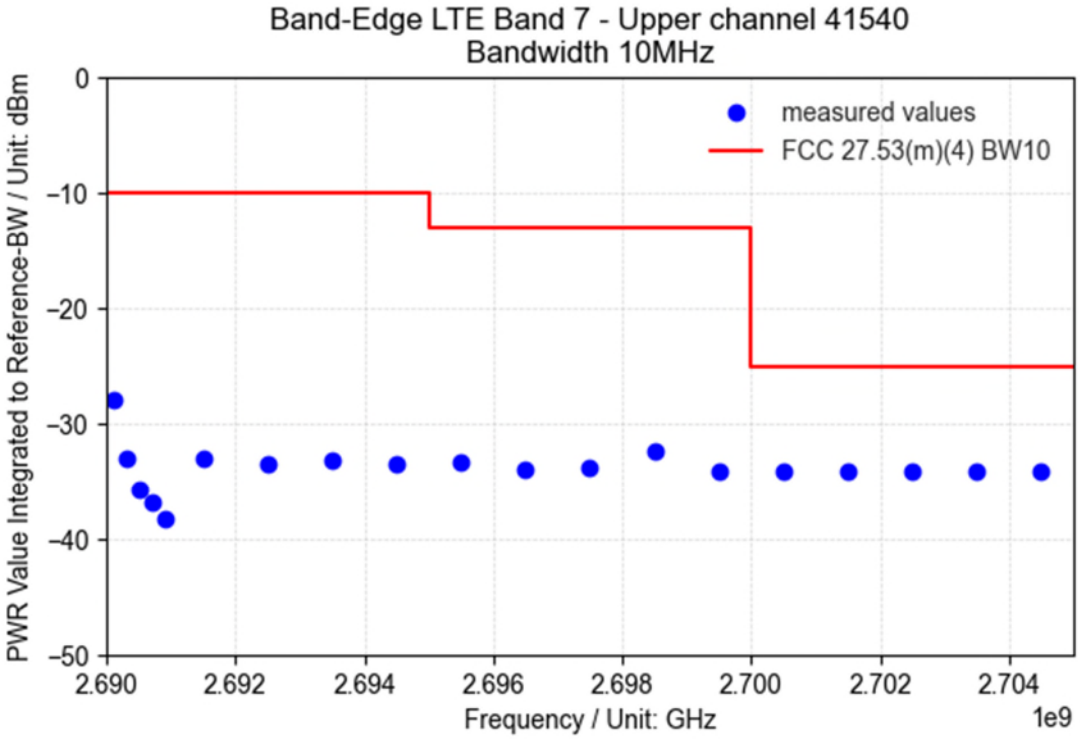


Remark: final measurement performed at worst case standing position only

Frequencies:
2486500000.0, 2487500000.0, 2488500000.0, 2489500000.0, 2490500000.0, 2491500000.0, 2492500000.0, 2493500000.0, 2494500000.0, 2495050000.0, 2495150000.0, 2495250000.0, 2495350000.0, 2495450000.0, 2495550000.0, 2495650000.0, 2495750000.0, 2495850000.0, 2495950000.0

Level:
-30.750125885, -29.3114585876, -28.4007434845, -27.8645610809, -26.4633541107, -26.1195278168, -25.1963882446, -24.0319080353, -22.7403907776, -32.3975448608, -31.9718208313, -31.9802761078, -31.6391391754, -31.1272468567, -31.2342662811, -30.9116516113, -30.7978076935, -29.8935108185, -29.0765037537

9.4103_01_BE_high_Step2_1RB49_EUT_standing_A134_A90_Ant V

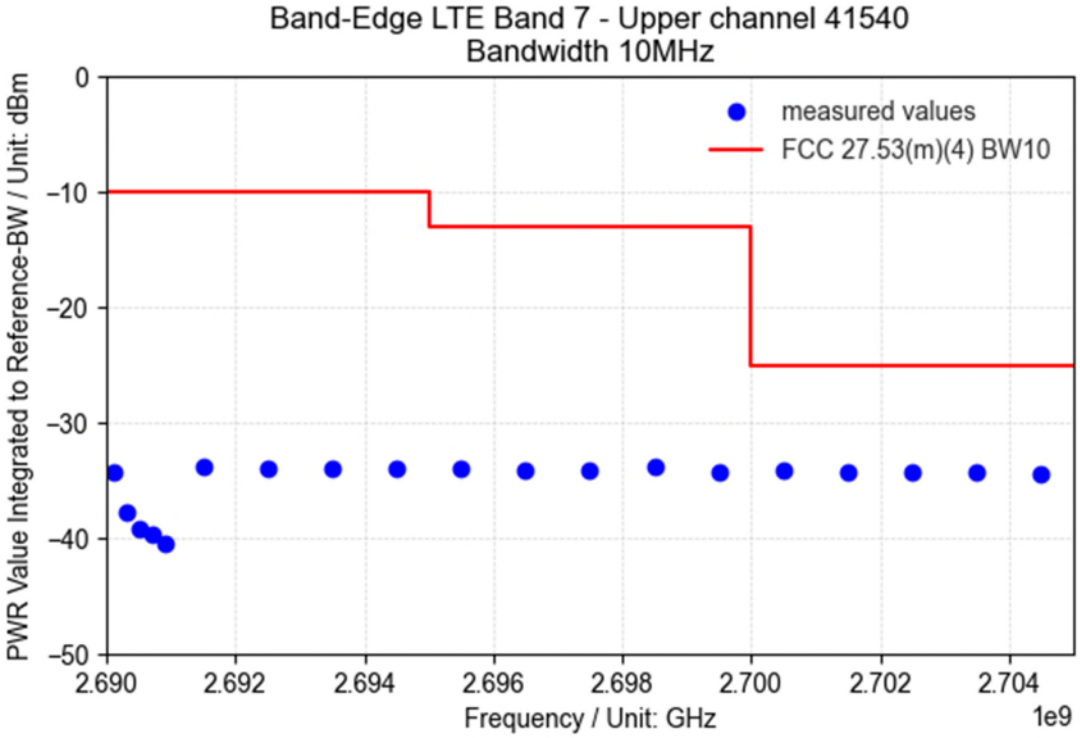


Remark: final measurement performed at worst case standing position only

Frequency:
2690100000.0, 2690300000.0, 2690500000.0, 2690700000.0, 2690900000.0, 2691500000.0, 2692500000.0, 2693500000.0, 2694500000.0, 2695500000.0, 2696500000.0, 2697500000.0, 2698500000.0, 2699500000.0, 2700500000.0, 2701500000.0, 2702500000.0, 2703500000.0, 2704500000.0

Level:
-27.982219696, -32.9495201111, -35.6347007751, -36.8591537476, -38.3288345337, -33.0183181763, -33.5266532898, -33.1702575684, -33.5572319031, -33.3034706116, -33.9552116394, -33.8652381897, -32.4197502136, -34.0567359924, -34.0727310181, -34.0616035461, -34.1243667603, -34.1449012756, -34.1985778809

9.4103_02_BE_high_Step2_1RB49_EUT_standing_A76_A90_AntH

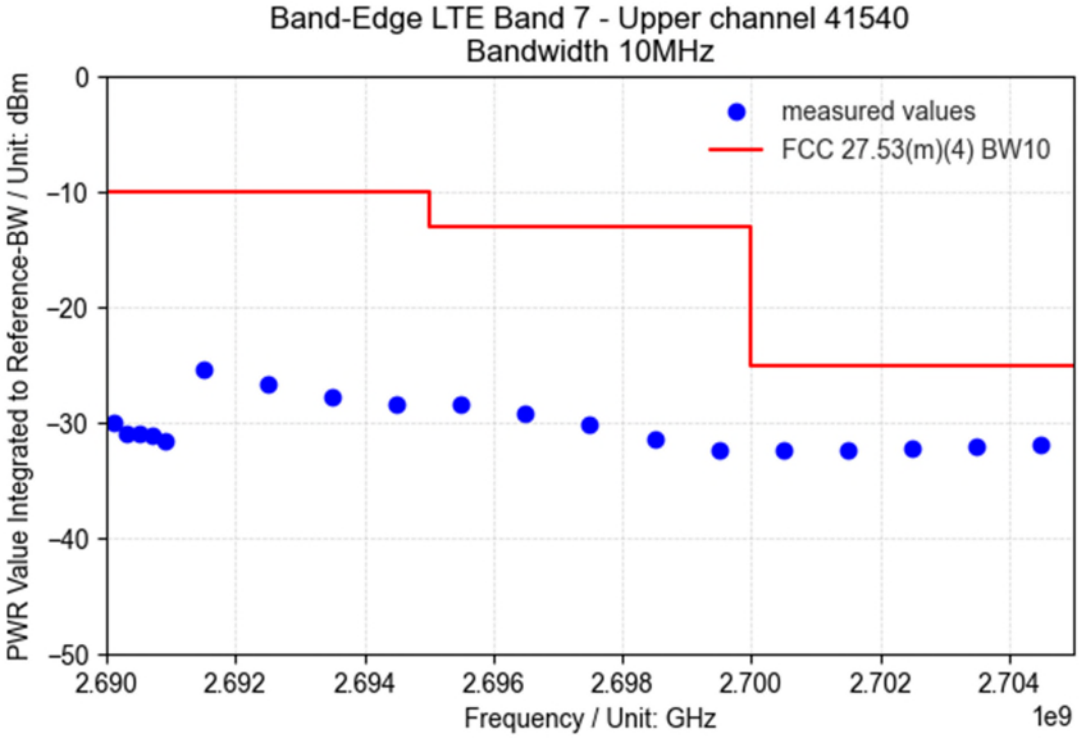


Remark: final measurement performed at worst case standing position only

Frequency:
2690100000.0, 2690300000.0, 2690500000.0, 2690700000.0, 2690900000.0, 2691500000.0, 2692500000.0, 2693500000.0, 2694500000.0, 2695500000.0, 2696500000.0, 2697500000.0, 2698500000.0, 2699500000.0, 2700500000.0, 2701500000.0, 2702500000.0, 2703500000.0, 2704500000.0

Level:
-34.3232421875, -37.7623405457, -39.173538208, -39.6564331055, -40.4984054565, -33.7865715027, -34.0224494934, -33.9317359924, -34.0346565247, -33.9412612915, -34.1934356689, -34.1977119446, -33.8635482788, -34.2488136292, -34.1980743408, -34.2847671509, -34.2756958008, -34.2750473022, -34.3710479736

9.4104_01_BE_high_Step2_50RB_EUT_standing_A134_A90_AntV

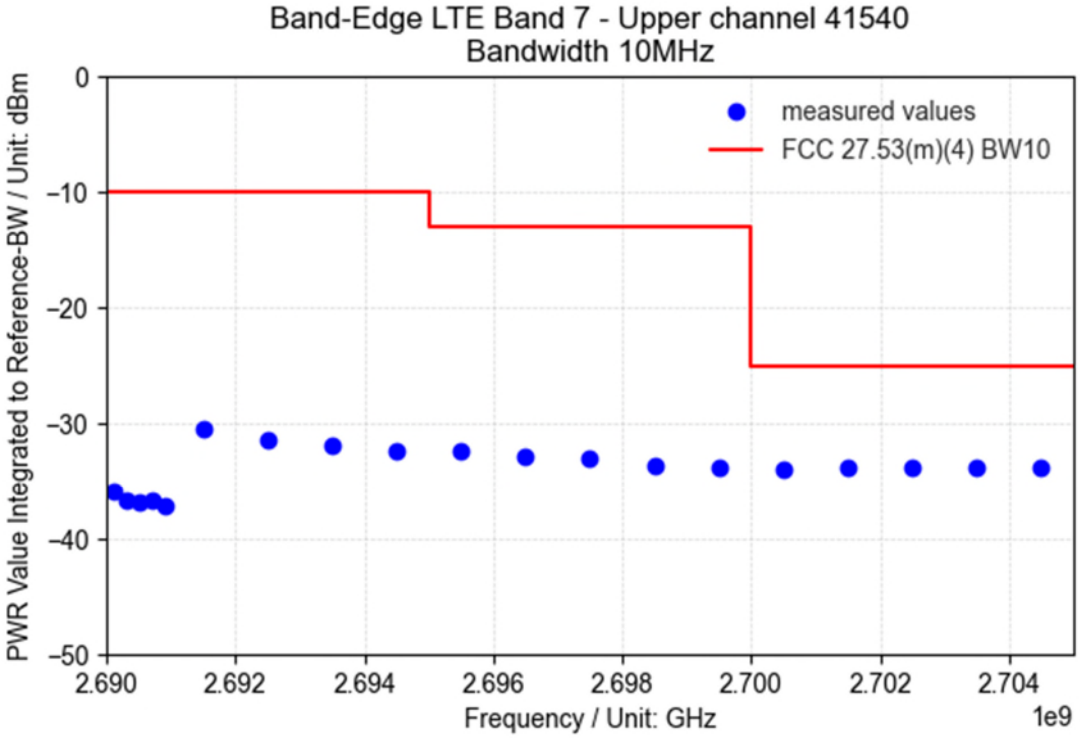


Remark: final measurement performed at worst case standing position only

Frequency:
[2690100000.0, 2690300000.0, 2690500000.0, 2690700000.0, 2690900000.0, 2691500000.0, 2692500000.0, 2693500000.0, 2694500000.0, 2695500000.0, 2696500000.0, 2697500000.0, 2698500000.0, 2699500000.0, 2700500000.0, 2701500000.0, 2702500000.0, 2703500000.0, 2704500000.0

Level:
-29.964094162, -31.0206489563, -30.9979534149, -31.0396881104, -31.6205120087, -25.3906803131, -26.7322502136, -27.7936000824, -28.3947753906, -28.3491401672, -29.2778606415, -30.1608123779, -31.4312324524, -32.3441009521, -32.3946723938, -32.4050941467, -32.2305984497, -32.0573043823, -31.8475875854

9.4104_02_BE_high_Step2_50RB_EUT_standing_A76_A90_AntH



Remark: final measurement performed at worst case standing position only

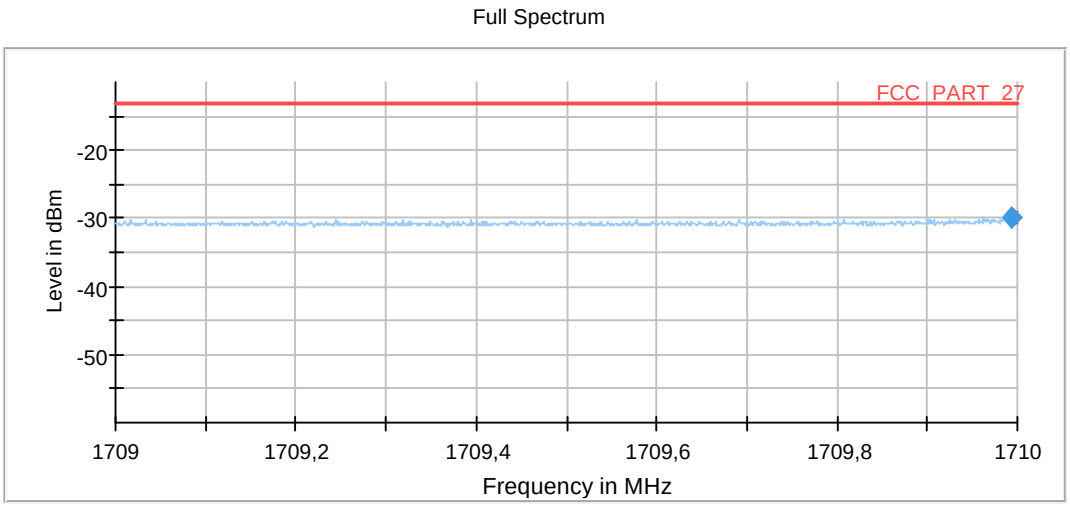
Frequency:
2690100000.0, 2690300000.0, 2690500000.0, 2690700000.0, 2690900000.0, 2691500000.0, 2692500000.0, 2693500000.0, 2694500000.0, 2695500000.0, 2696500000.0, 2697500000.0, 2698500000.0, 2699500000.0, 2700500000.0, 2701500000.0, 2702500000.0, 2703500000.0, 2704500000.0

Level:
-35.9098014832, -36.6924591064, -36.766456604, -36.6894760132, -37.0969238281, -30.5412940979, -31.3804454803, -31.9607181549, -32.3235626221, -32.4078826904, -32.8286933899, -33.0626106262, -33.6003456116, -33.8137893677, -33.9162597656, -33.8489685059, -33.7598648071, -33.7319793701, -33.7534103394

9.6601_Bandedge_low_LTE_FDD_B66_CH_low_RB_1_low_lying

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 66 (§27.53h)
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27.53 / RSS-139
Comm. Link:	LTE Band 66 (1710-1780MHz)
Operating Mode:	MS allocated channel 132022
Exclusionband:	EMC32 V10.60.20
Environmental Conditions:	Humidity: 31 %rH; Temperature: 22°C
Operator:	LAb
EUT Setup:	1
Verdict:	Passed



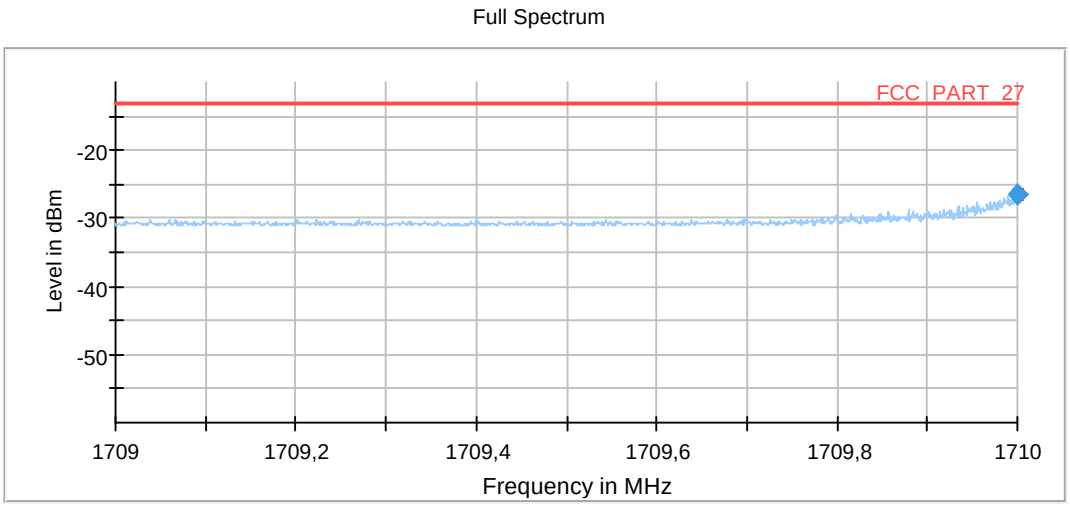
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
1709.993000	-29.79	-13.00	16.79	700.0	100.000	H	281.0	-61.9	6.0

9.6601_Bandedge_low_LTE_FDD_B66_CH_low_RB_1_low_standing

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 66 (§27.53h)
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27.53 / RSS-139
Comm. Link:	LTE Band 66 (1710-1780MHz)
Operating Mode:	MS allocated channel 132022
Exclusionband:	EMC32 V10.60.20
Environmental Conditions:	Humidity: 31 %rH; Temperature: 22°C
Operator:	PSt
EUT Setup:	1
Verdict:	Passed



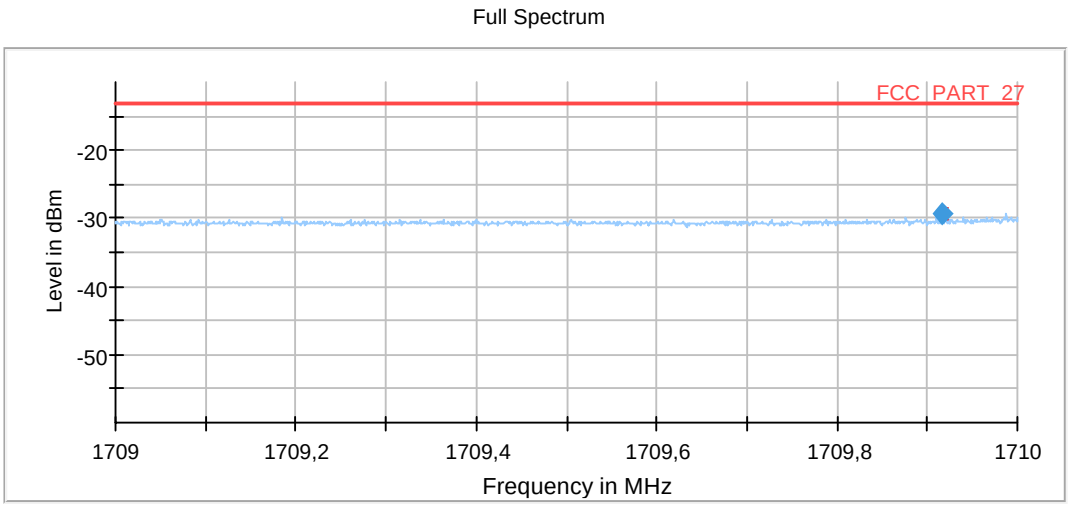
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
1709.999000	-26.59	-13.00	13.59	700.0	100.000	V	32.0	-61.9	6.0

9.6602_Bandedge_low_LTE_FDD_B66_CH_low_RB_Full_lying

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 66 (§27.53h)
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27.53 / RSS-139
Comm. Link:	LTE Band 66 (1710-1780MHz)
Operating Mode:	MS allocated channel 132022
Exclusionband:	EMC32 V10.60.20
Environmental Conditions:	Humidity: 31 %rH; Temperature: 22°C
Operator:	LAb
EUT Setup:	1
Verdict:	Passed



Final_Result

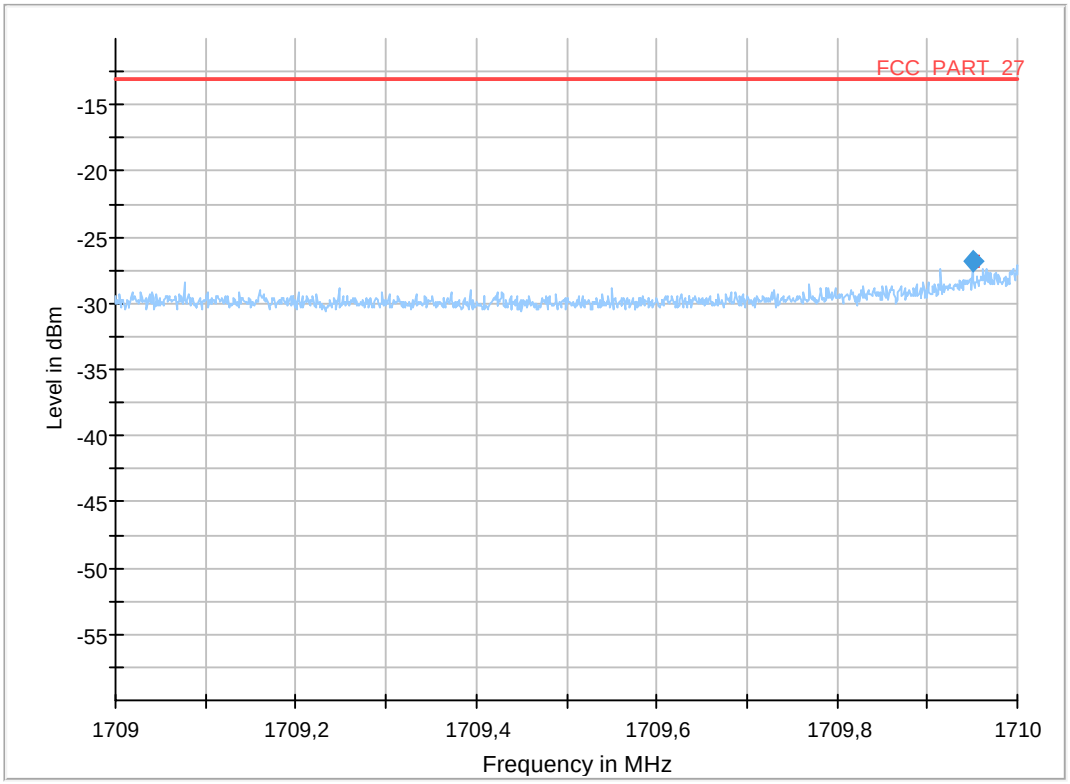
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
1709.917000	-29.44	-13.00	16.44	700.0	100.000	V	359.0	-61.9	6.0

9.6602_Bandedge_low_LTE_FDD_B66_CH_low_RB_Full_standing

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 66 (§27.53h)
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27.53 / RSS-139
Comm. Link:	LTE Band 66 (1710-1780MHz)
Operating Mode:	UE allocated channel 132022, RB = 50, Pos0, BW=10MHz, QPSK
Exclusionband:	EMC32 V10.60.20
Environmental Conditions:	Humidity: 31 %rH; Temperature: 22°C
Operator:	PSt
EUT Setup:	1
Verdict:	Passed

Full Spectrum



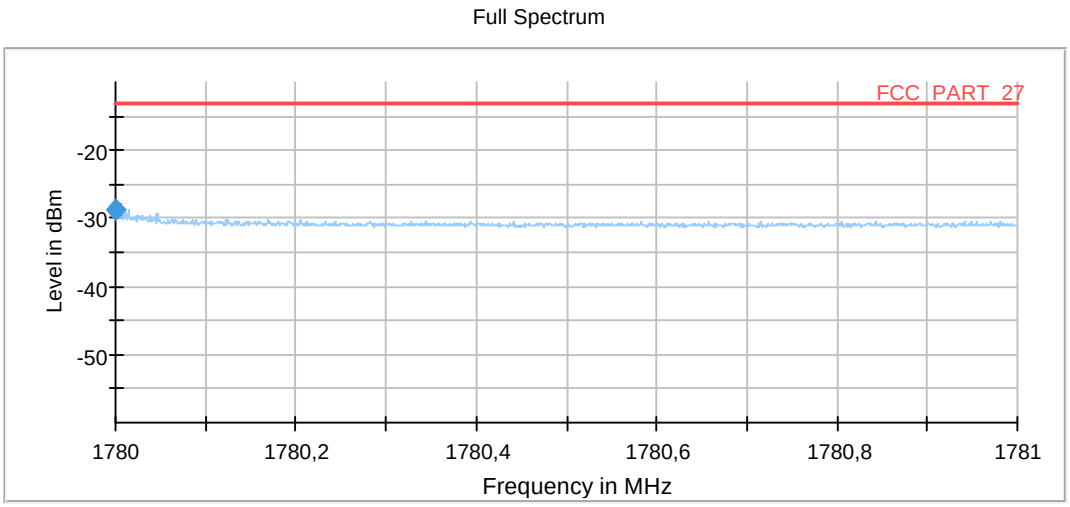
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
1709.950000	-26.82	-13.00	13.82	700.0	100.000	V	47.0	-61.9	6.0

9.6603_Bandedge_high_LTE_FDD_B66_CH_high_RB_1_high_lying

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 66 (§27.53h)
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27.53 / RSS-139
Comm. Link:	LTE Band 66 (1710-1780MHz)
Operating Mode:	MS allocated channel 132622
Exclusionband:	--
Environmental Conditions:	Humidity: 31 %rH; Temperature: 22°C
Operator:	PSt
EUT Setup:	1
Verdict:	Passed



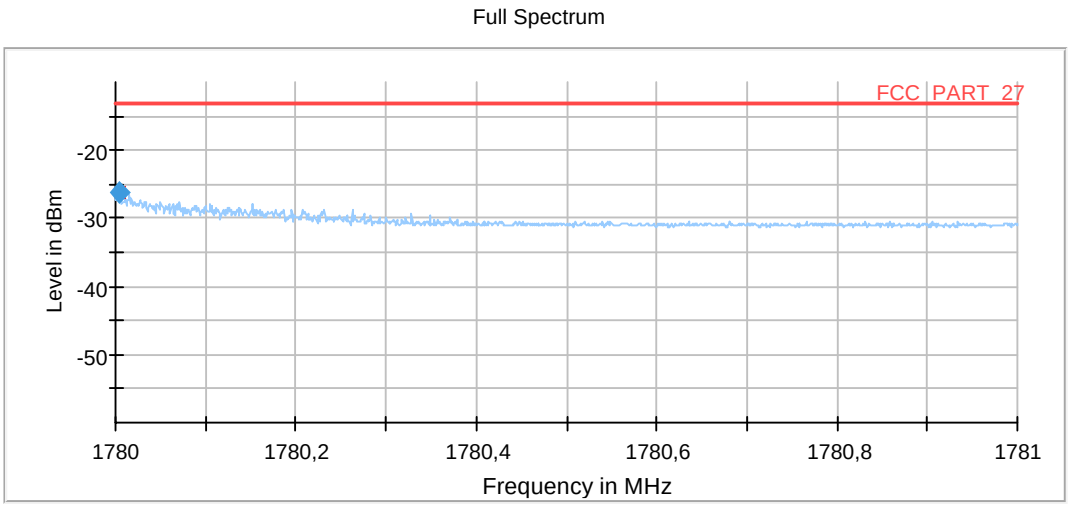
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
1780.001000	-28.85	-13.00	15.85	700.0	100.000	V	0.0	-62.2

9.6603_Bandedge_high_LTE_FDD_B66_CH_high_RB_1_high_standing

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 66 (§27.53h)
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27.53 / RSS-139
Comm. Link:	LTE Band 66 (1710-1780MHz)
Operating Mode:	MS allocated channel 132622
Exclusionband:	--
Environmental Conditions:	Humidity: 31 %rH; Temperature: 22°C
Operator:	PSt
EUT Setup:	1
Verdict:	Passed



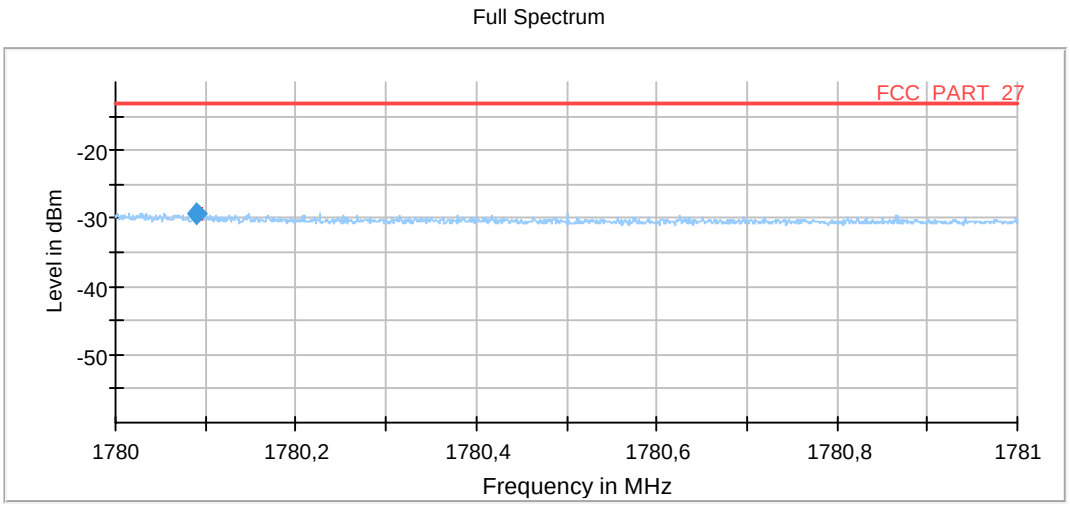
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
1780.004000	-26.29	-13.00	13.29	700.0	100.000	V	39.0	-62.2

9.6604_Bandedge_high_LTE_FDD_B66_CH_high_RB_Full_lying

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 66 (§27.53h)
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27.53 / RSS-139
Comm. Link:	LTE Band 66 (1710-1780MHz)
Operating Mode:	MS allocated channel 132622
Exclusionband:	--
Environmental Conditions:	Humidity: 31 %rH; Temperature: 22°C
Operator:	PSt
EUT Setup:	1
Verdict:	Passed



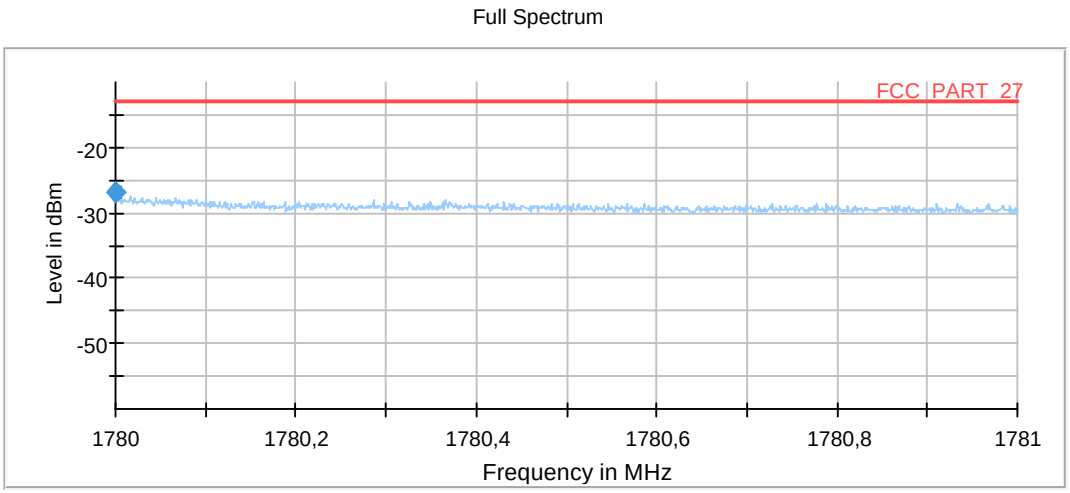
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
1780.091000	-29.21	-13.00	16.21	700.0	100.000	V	359.0	-62.2

9.6604_Bandedge_high_LTE_FDD_B66_CH_high_RB_Full_standing

Common Information

Test Description:	Radiated Spurious Emissions - Band-Edge LTE Band 66 (§27.53h)
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27.53 / RSS-139
Comm. Link:	LTE Band 66 (1710-1780MHz)
Operating Mode:	UE allocated channel 132622, RB = 50, Pos High, BW=10MHz, QPSK
Exclusionband:	--
Environmental Conditions:	Humidity: 31 %rH; Temperature: 22°C
Operator:	PSt
EUT Setup:	1
Verdict:	Passed



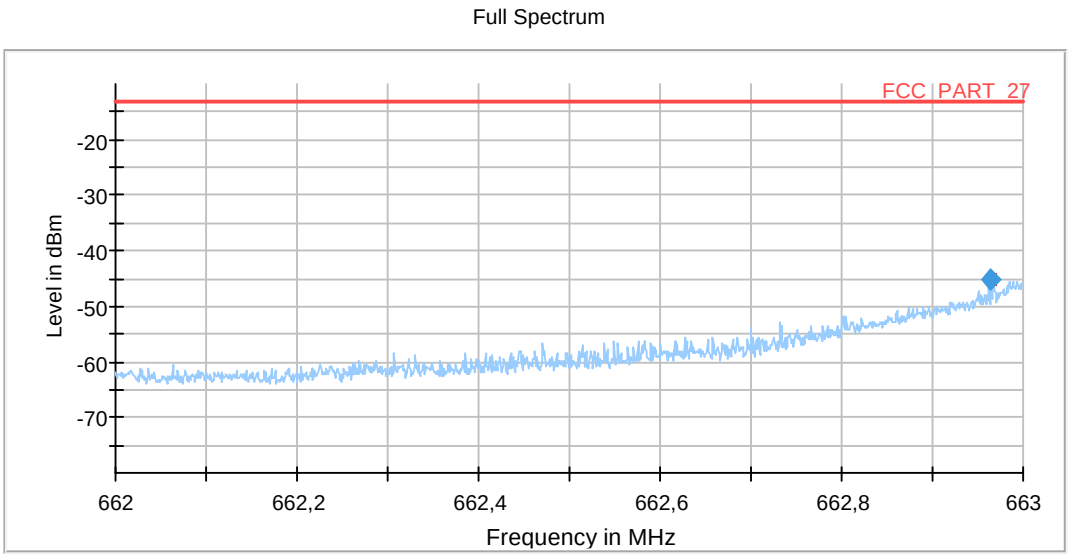
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)
1780.001000	-26.92	-13.00	13.92	700.0	100.000	V	39.0	-62.2

9.7101_Bandedge_low_LTE_FDD_B71_CH_low_RB_1_low_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 71
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 133172, RB = 1, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt
Remarks:	EUT - lying position
EUT Setup:	1
Verdict:	Passed



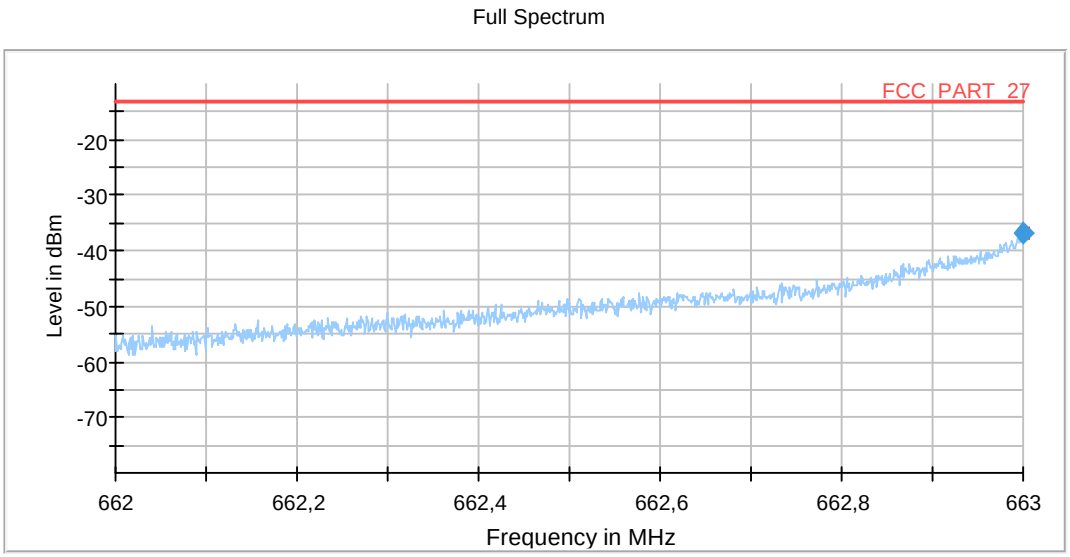
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
662.964000	-45.27	-13.00	32.27	1000.0	30.000	H	281.0	-78.3	2.0

9.7101_Bandedge_low_LTE_FDD_B71_CH_low_RB_1_low_standing

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 71
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 133172, RB = 1, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt
Remarks:	EUT - standing position
EUT Setup:	1
Verdict:	Passed



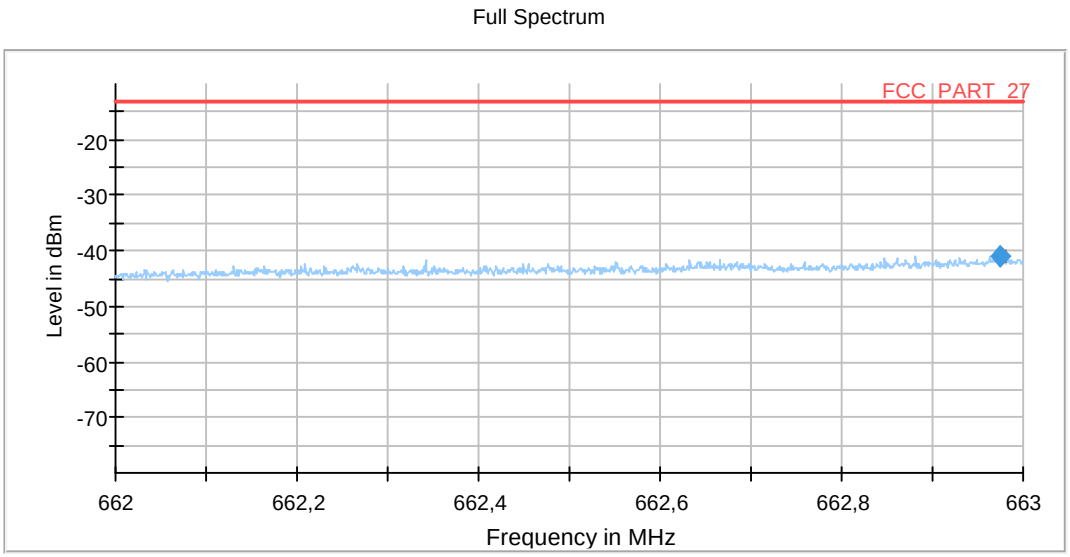
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
662.999000	-36.84	-13.00	23.84	1000.0	30.000	H	26.0	-78.3	2.0

9.7102_Bandedge_low_LTE_FDD_B71_CH_low_RB_Full_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 71
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 133172, RB = 50, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt
Remarks:	EUT - lying position
EUT Setup:	1
Verdict:	Passed



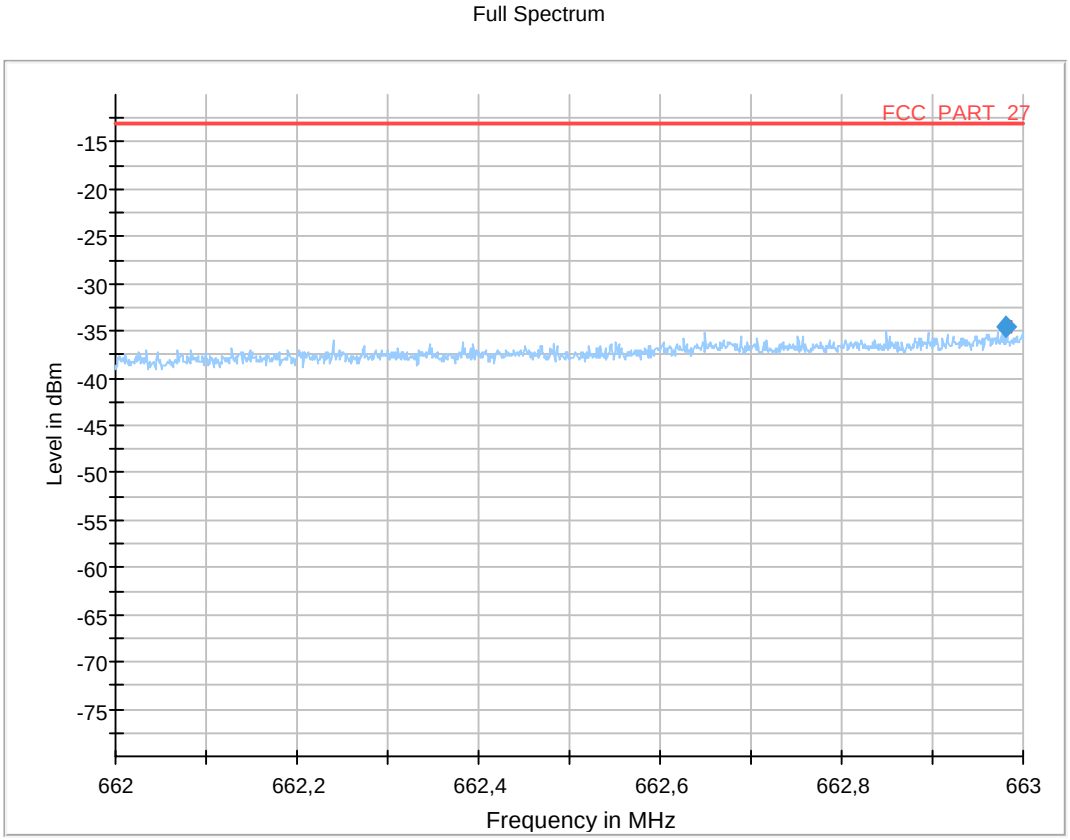
Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
662.975000	-40.97	-13.00	27.97	1000.0	30.000	H	282.0	-78.3	2.0

9.7102_Bandedge_low_LTE_FDD_B71_CH_low_RB_Full_standing

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 71
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 133172, RB = 50, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt
Remarks:	EUT - standing position
EUT Setup:	1
Verdict:	Passed



Final_Result

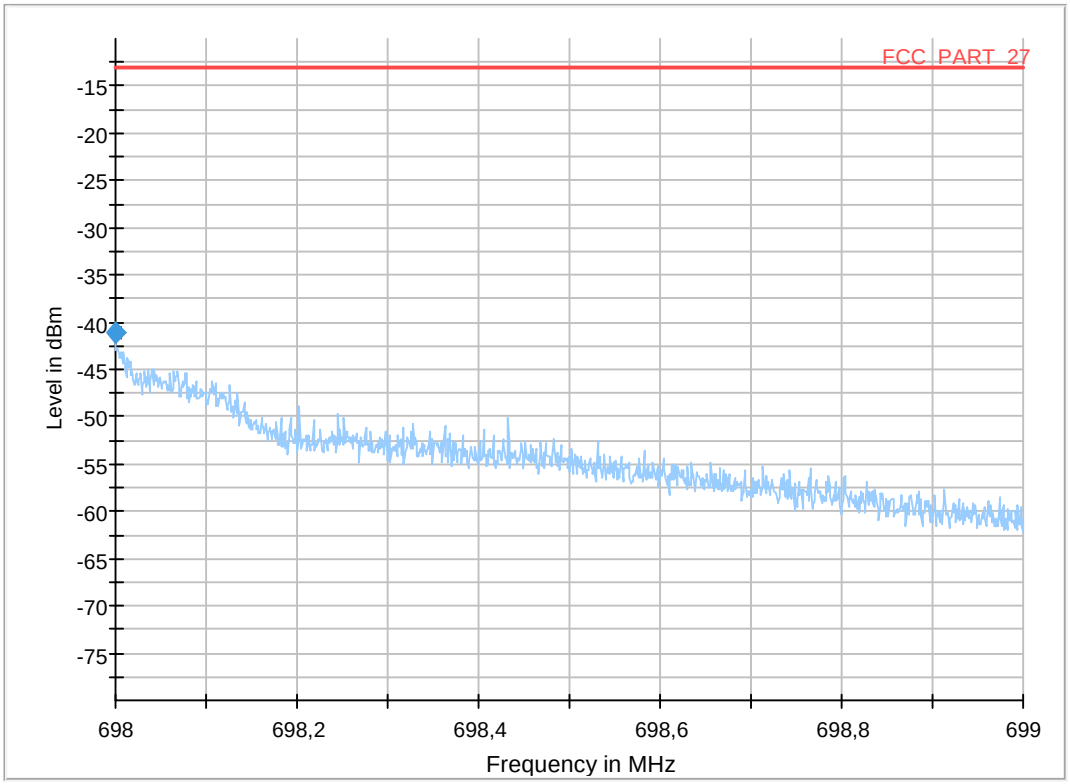
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
662.981000	-34.58	-13.00	21.58	1000.0	30.000	H	24.0	-78.3	2.0

9.7103_Bandedge_high_LTE_FDD_B71_CH_high_RB_1_high_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 71
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 133422, RB = 50, Pos0, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt/LAb
Remarks:	EUT - lying/standing position
EUT Setup:	1
Verdict:	Passed

Full Spectrum



Final_Result

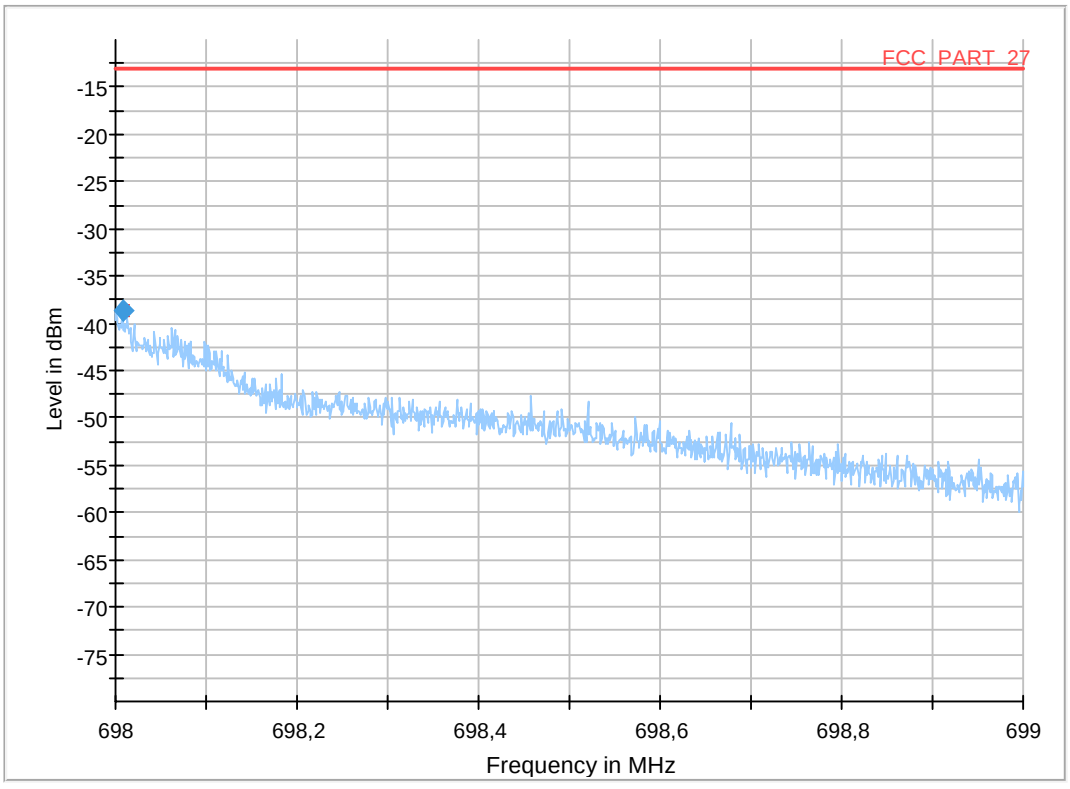
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
698.000000	-41.12	-13.00	28.12	1000.0	30.000	H	276.0	-78.0	2.0

9.7103_Bandedge_high_LTE_FDD_B71_CH_high_RB_1_high_standing

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 71
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 133422, RB = 50, Pos High, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt
Remarks:	EUT - standing position
EUT Setup:	1
Verdict:	Passed

Full Spectrum



Final_Result

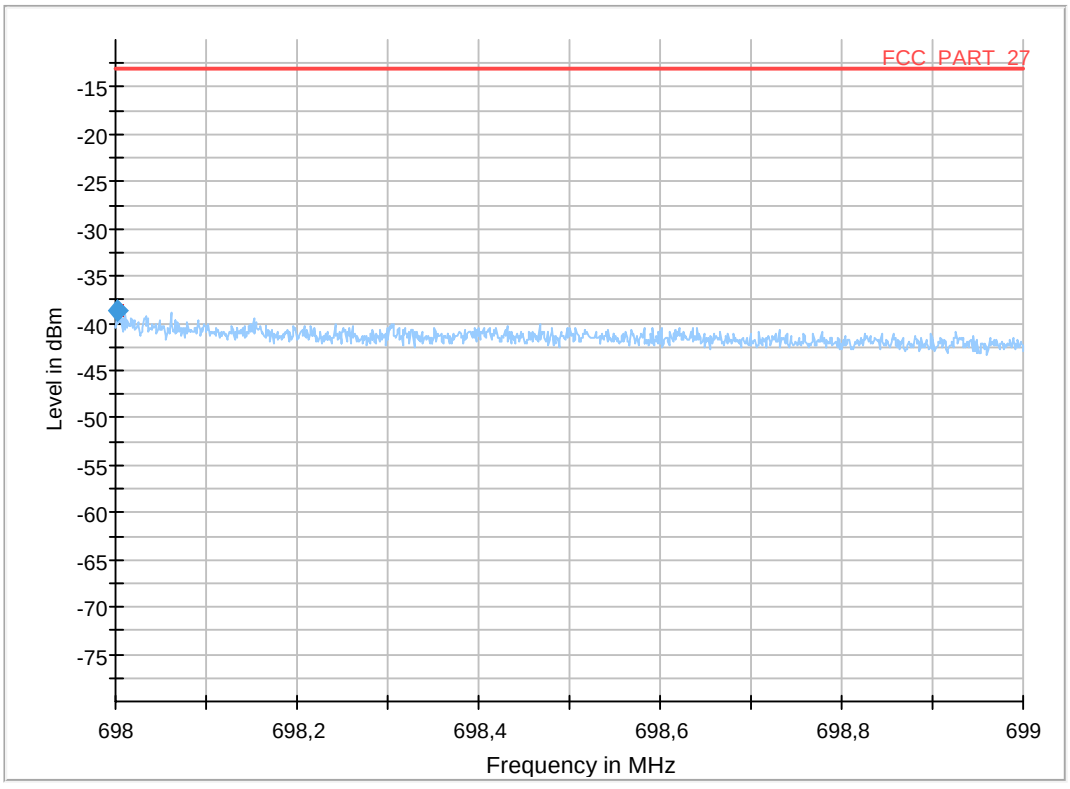
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
698.008000	-38.67	-13.00	25.67	1000.0	30.000	H	51.0	-78.0	2.0

9.7104_Bandedge_high_LTE_FDD_B71_CH_high_RB_Full_lying

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 71
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 133422, RB = 50, Pos High, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt/LAb
Remarks:	EUT - lying position
EUT Setup:	1
Verdict:	Passed

Full Spectrum



Final_Result

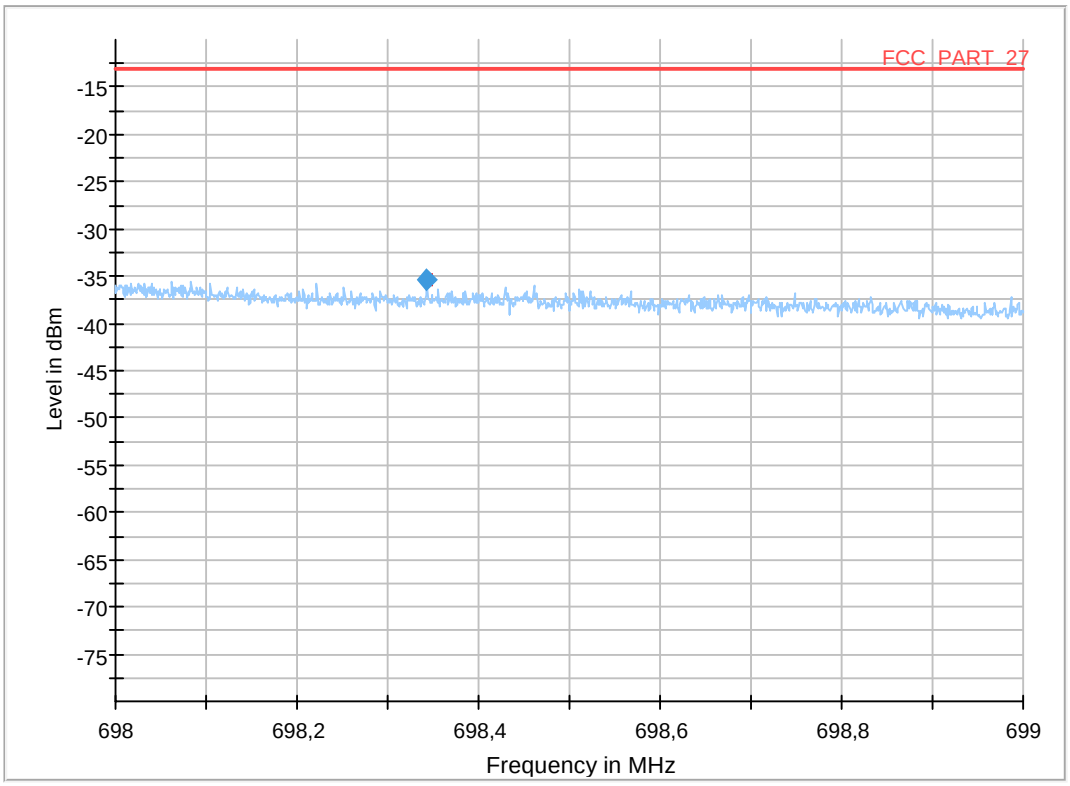
Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
698.002000	-38.64	-13.00	25.64	1000.0	30.000	H	285.0	-78.0	2.0

9.7104_Bandedge_high_LTE_FDD_B71_CH_high_RB_Full_standing

Common Information

Test Description:	Band-Edge - Radiated Spurious Emissions LTE Band 71
Test Site Location:	cetecom advanced GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27 / RSS-130
Operating Mode:	UE allocated channel 133422, RB = 50, Pos High, BW=10MHz, QPSK
Environmental Conditions:	Humidity: 31%rH; Temperature: 22.5°C
Test SW Version:	EMC32 V10.60.20
Operator:	PSt
Remarks:	EUT - standing position
EUT Setup:	1
Verdict:	Passed

Full Spectrum



Final_Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB)	Sig Path (dB)
698.343000	-35.44	-13.00	22.44	1000.0	30.000	H	45.0	-78.0	2.0

End Of Annex 1