

Annex 1: Measurement diagrams 21-1-0103301T08a-A1

Number of pages:	12	Date of Report:	2021-Dec-13
Testing company:	CETECOM GmbH Im Teelbruch 116 45219 Essen Germany Tel. + 49 (0) 20 54 / 95 19-0 Fax: + 49 (0) 20 54 / 95 19-150	Applicant:	Leica Geosystems AG
Product:	UAV 3D measurement device		
Model:	BLK2FLY		
FCC ID:	RFD-BLK2FLY	IC:	3177A-BLK2FLY
Testing has been carried out in accordance with:	Title 47 CFR, Chapter I FCC Regulations, Subchapter B Part 22 Subpart H, Part 24 Subpart E, Part 27 Subpart C RSS-132, Issue 3; RSS-133, Issue 6; RSS-130, Issue 2, RSS-139, Issue 3 Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".		



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1 Measurement diagrams

8.02_Traffic_mode_UMTS_FDD_B02_CH_9262

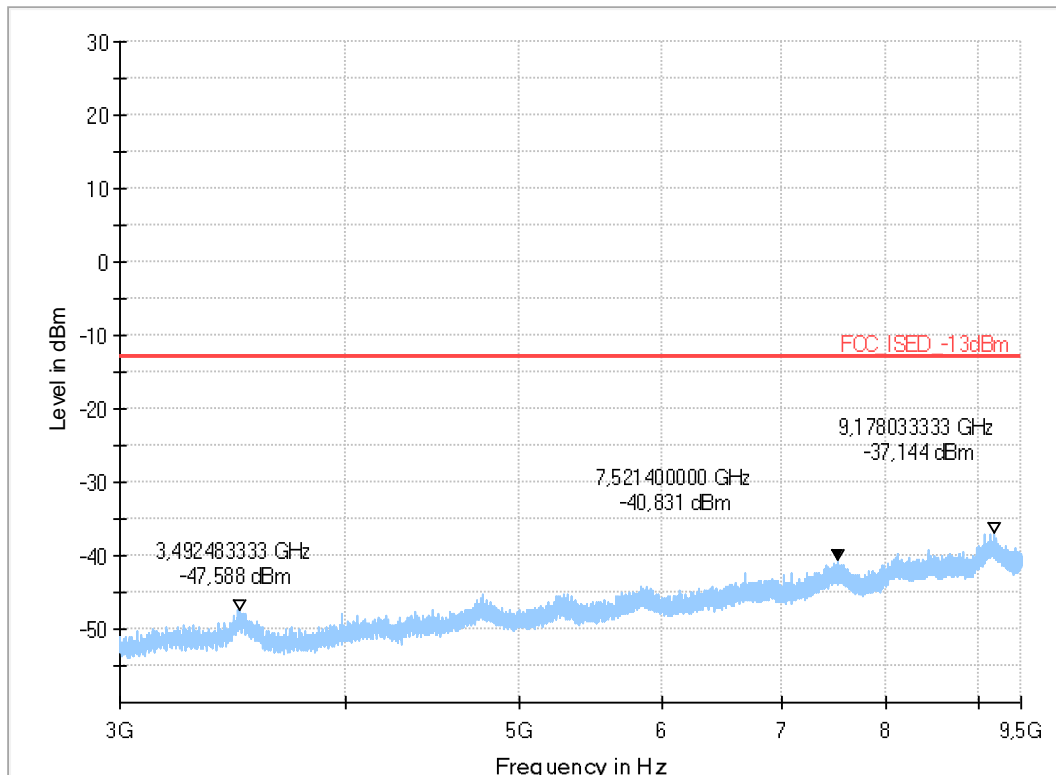
Common Information

Test Description:	Radiated Spurious Emission
Test Site:	Fully-Anechoic Chamber
Test Standard:	FCC Part 24
Antenna polarisation:	vertical / horizontal
Measurement software version	EMC32 V10.60.20
Operating Mode:	UMTS_FDD_Band_II_CH_9262
Operator:	Aho
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	21-1-01033S04_C01
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Full Spectrum



8.04_Traffic_mode_UMTS_FDD_B04_CH_1413

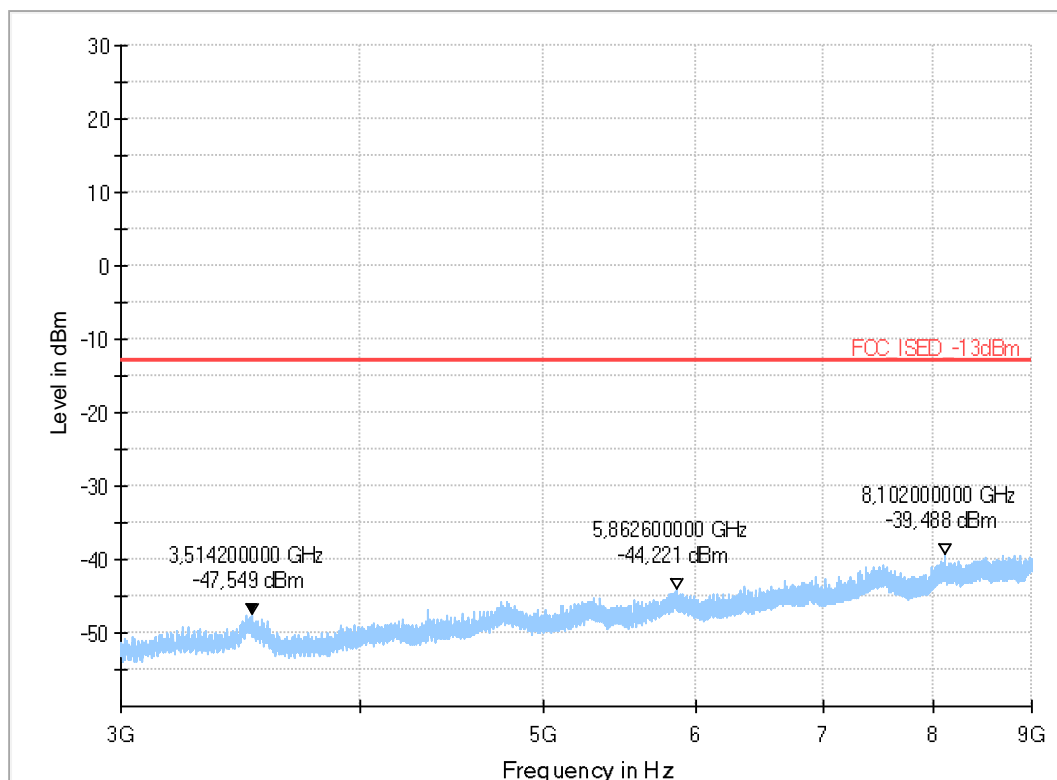
Common Information

Test Description:	Radiated Spurious Emission
Test Site:	Fully-Anechoic Chamber
Test Standard:	FCC FCC Part 27.53(h) AWS emission limits / RSS-139, Issue 3
Antenna polarisation:	vertical / horizontal
Operating Mode:	UMTS_FDD_Band_IV_CH_1413
Operator:	Aho
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	21-1-01033S04_C01
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Full Spectrum



8.05_Traffic_mode_UMTS_FDD_B05_CH_4233

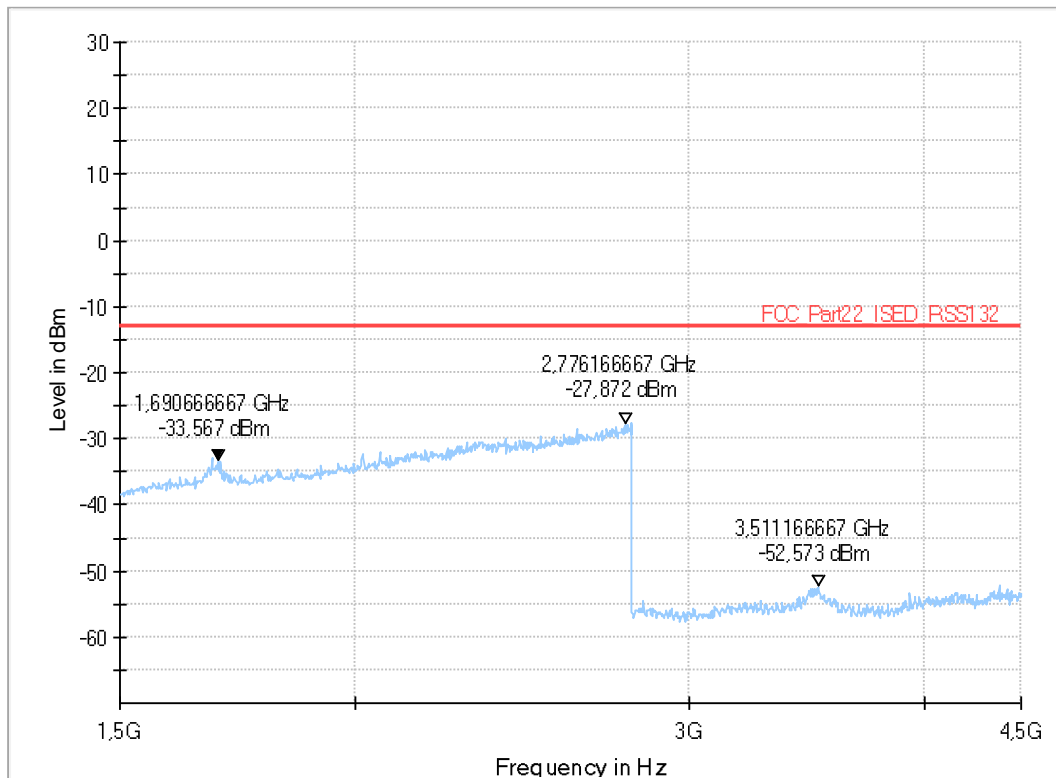
Common Information

Test Description:	Radiated Spurious Emission
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 22
Antenna polarisation:	vertical / horizontal
Operating Mode:	UMTS_FDD_Band_V_CH_4233
Operator:	Aho
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	21-1-01033S04_C01
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Full Spectrum



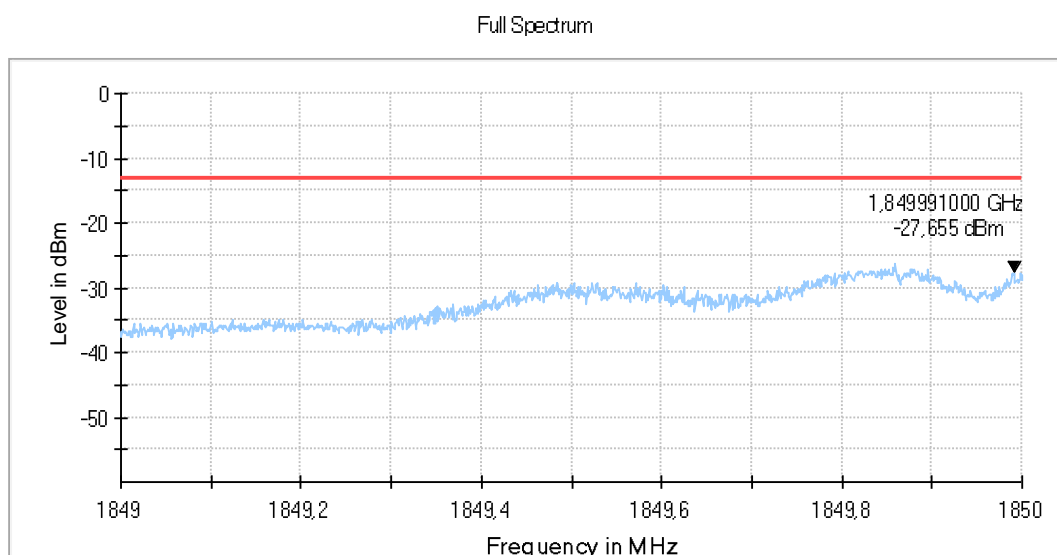
9.201_Bandedge_low_Channel_9262

Common Information

Test Description:	Band Edge Compliance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 24
Test Case:	Band-Edge low
Operating Mode:	UMTS_FDD_Band_II_CH_9262
Environmental Conditions::	Humidity : 60%rH; Temperature: 20°C
Operator:	Aho
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	21-1-01033S04_C01
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9.202_Bandedge_high_Channel_9538

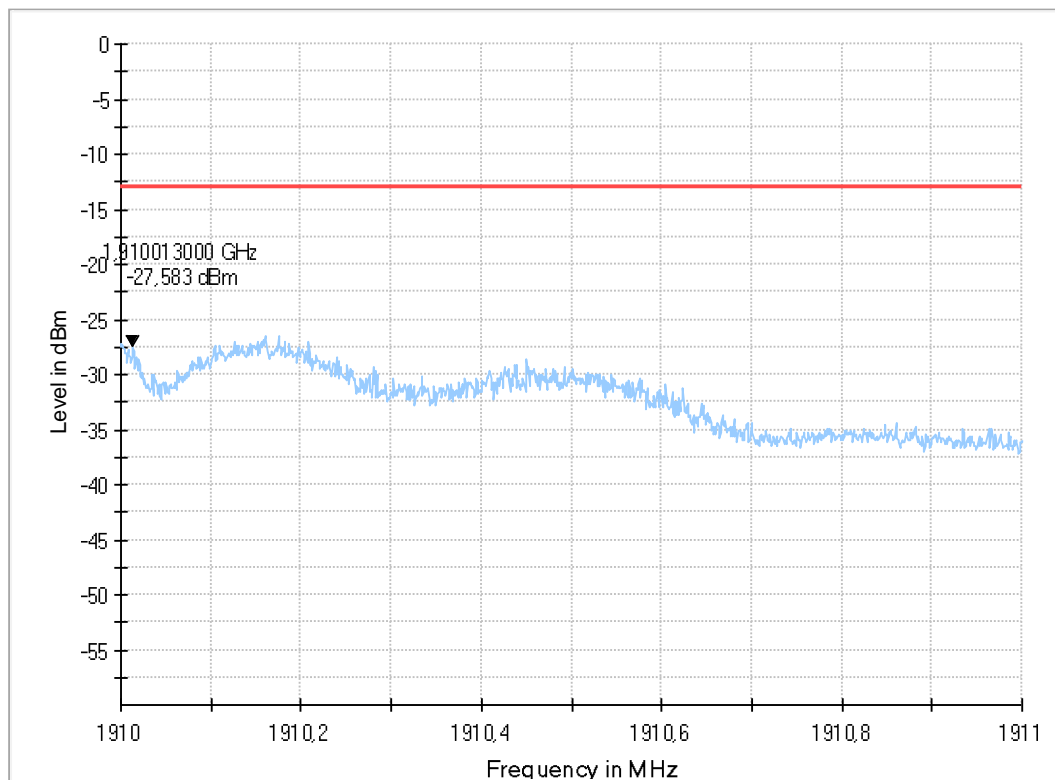
Common Information

Test Description:	Band Edge Compliance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 24
Test Case:	Band-Edge high
Operating Mode:	UMTS_FDD_Band_II_CH_9538
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	Aho
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number: 21-1-01033S04_C01

Full Spectrum



9.401_Bandedge_low_Channel_1312

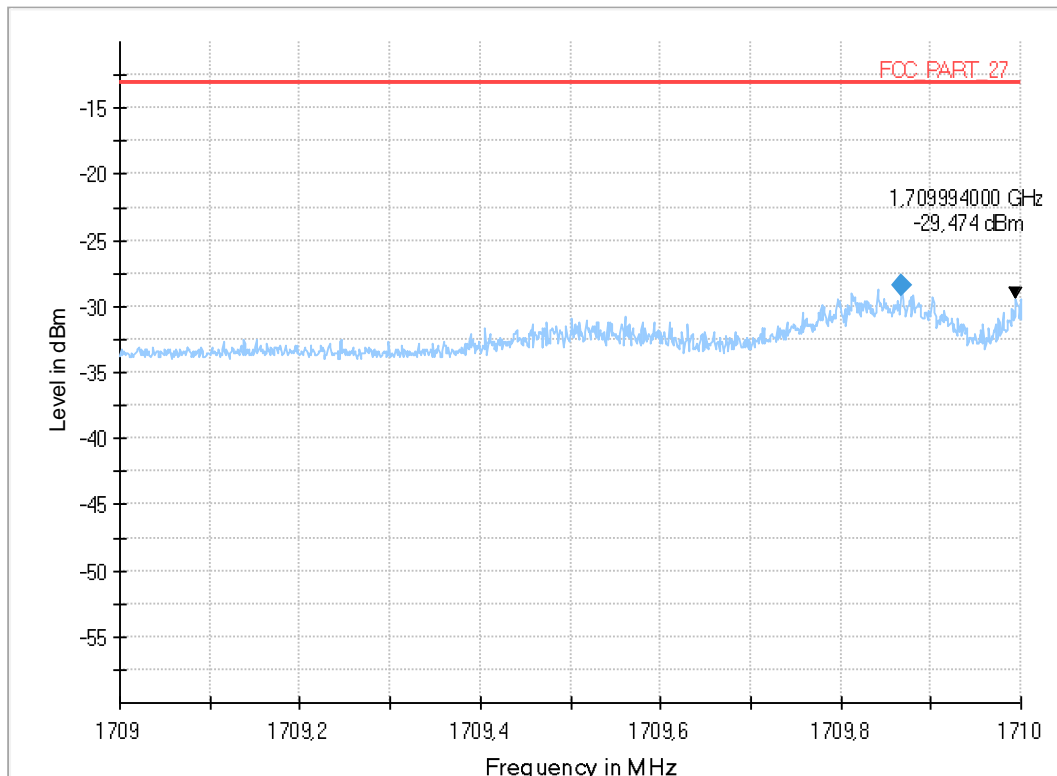
Common Information

Test Description:	Band Edge Compliance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27
Test Case:	Band-Edge low
Operating Mode:	UMTS_FDD_Band_IV_CH_1312
Environmental Conditions::	Humidity : 60%RH; Temperature: 20°C
Operator:	Aho
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number: 21-1-01033S04_C01

Full Spectrum



Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
1709.868000	-28.40	-13.00	15.40	700.0	50.000	V	70.0	0.0	-62

9.402_Bandedge_high_Channel_1513

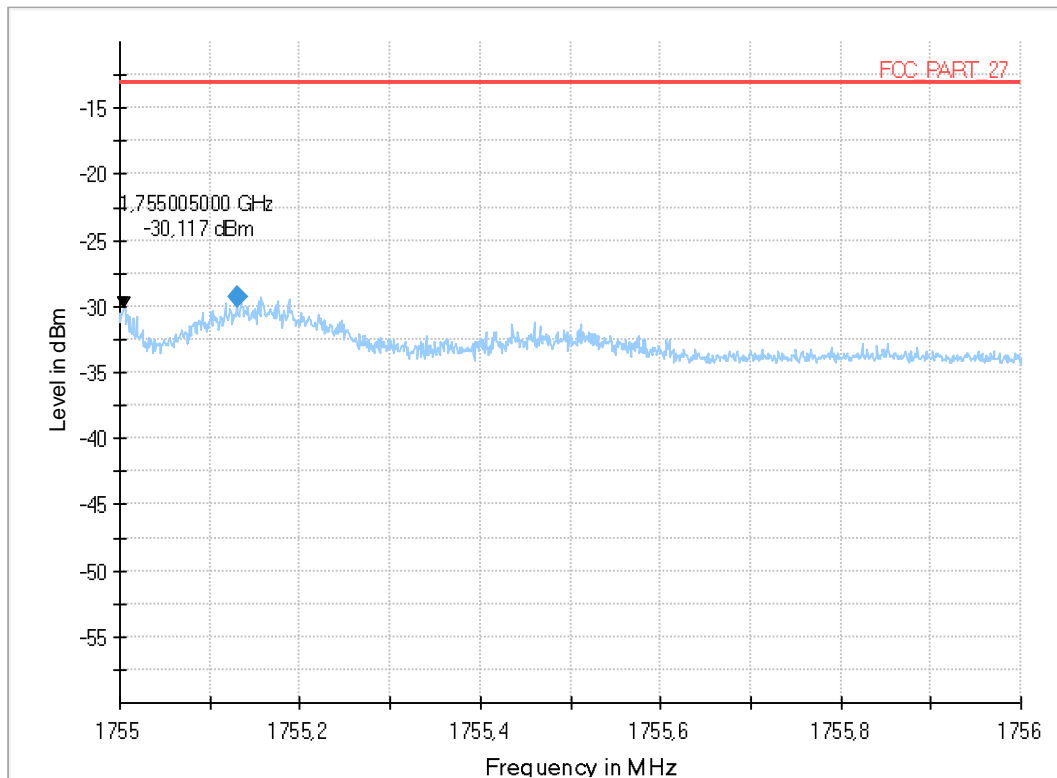
Common Information

Test Description:	Band Edge Compliance
Test Site Location:	CETECOM GmbH Essen
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.60.20
Test Standard:	FCC Part 27
Test Case:	Band-Edge high
Operating Mode:	UMTS_FDD_Band_IV_CH_1513
Environmental Conditions:	Humidity : 60%rH; Temperature: 20°C
Operator:	Aho
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number: 21-1-01033S04_C01

Full Spectrum



Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
1755.130000	-29.25	-13.00	16.25	700.0	50.000	V	86.0	0.0	-62

9.501_Bandedge_low_Channel_4132

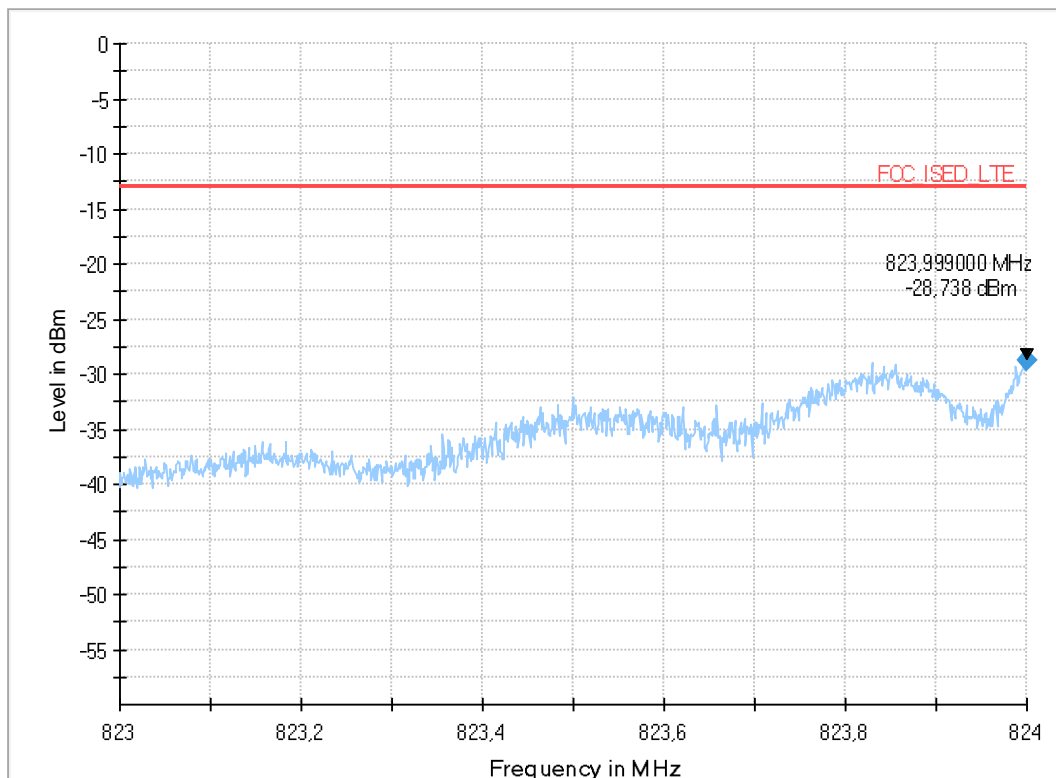
Common Information

Test Description: Band-Edge low - Radiated Spurious Emissions LTE Band V
 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: UMTS_FDD_Band_V_CH_4132
 Environmental Conditions: Humidity : 60%rH; Temperature: 20°C
 Test SW Version: EMC32 V10.60.20
 Operator: Aho
 Remarks: EUT - laying/standing position
 EUT Setup: 1
 Verdict: Passed

EUT Information

PMT number: 21-1-01033S04_C01

Full Spectrum



Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
823.999000	-28.74	-13.00	15.74	700.0	50.000	V	55.0	0.0	-76

9.502_Bandedge_high_Channel_4233

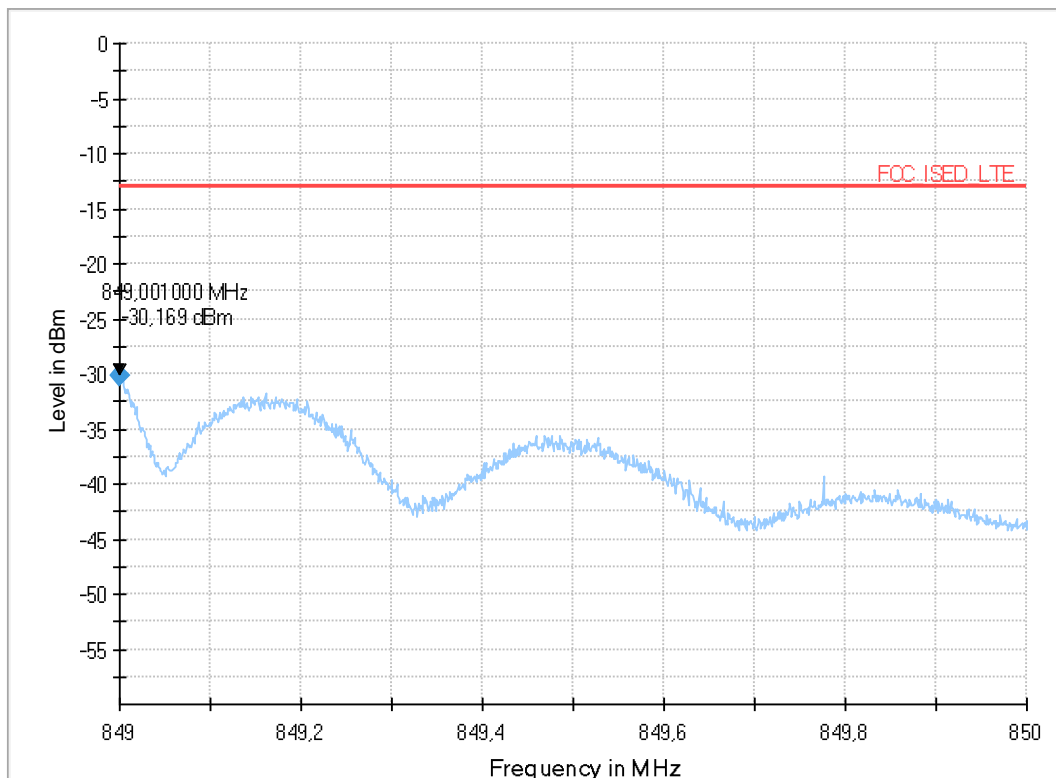
Common Information

Test Description: Band-Edge high - Radiated Spurious Emissions LTE Band V
 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: UMTS_FDD_Band_V_CH_4233
 Environmental Conditions: Humidity : 60%rH; Temperature: 20°C
 Test SW Version: EMC32 V10.60.20
 Operator: Aho
 Remarks: EUT - laying/standing position
 EUT Setup: 1
 Verdict: Passed

EUT Information

PMT number: 21-1-01033S04_C01

Full Spectrum



Final Result

Frequency (MHz)	RMS (dBm)	Limit (dBm)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
849.001000	-30.17	-13.00	17.17	700.0	50.000	V	64.0	0.0	-76

End Of Annex 1