

Annex 1: Measurement diagrams 20-1-0159101T03a-A1

Number of pages:	6	Date of Report:	2021-May-10
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:	MobilityCloud Inc
Test Object / Tested Device(s):	Bikeshare System Controller QR Controller		
FCC ID:	2AY2H010321QR1	IC:	27012-010321QR1
Testing has been carried out in accordance with:	FCC Regulations: Title 47 CFR, Chapter I FCC Regulations, Subchapter A Subpart B: §15.109 (Class B limits) ISED Regulations: ICES-003, Issue 6 (2016+Update 2019)		

Table of Contents

1 Measurement diagrams.....3

1 Measurement diagrams

3.01

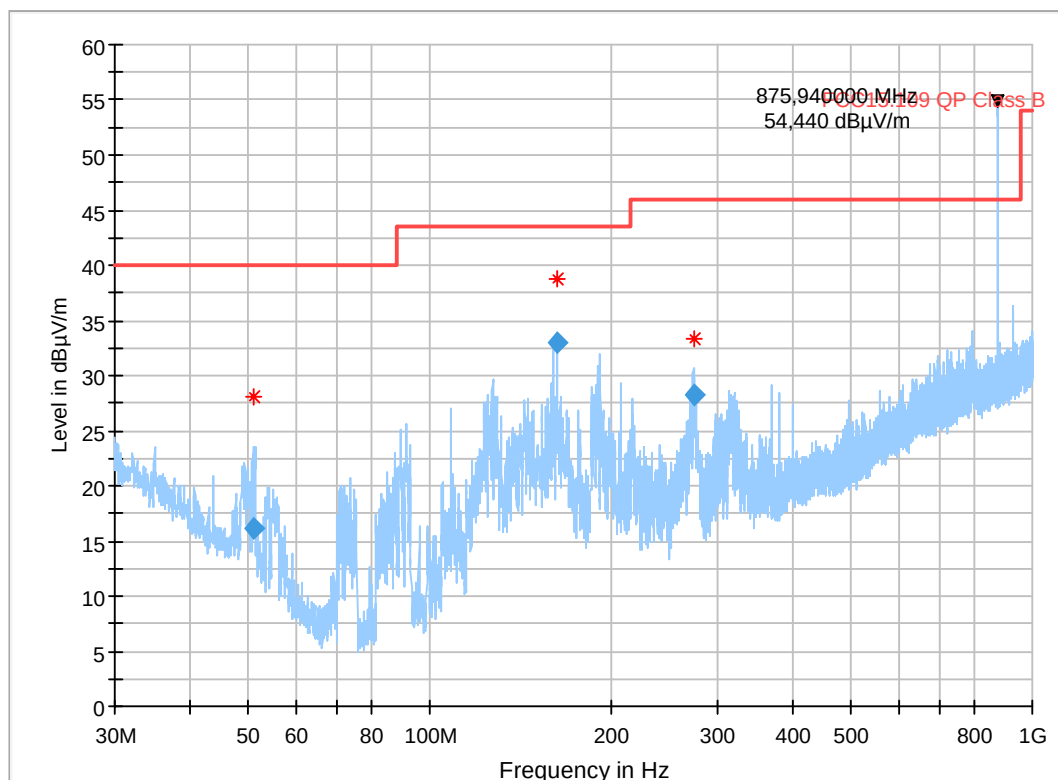
Common Information

Test Description:	Radiated field strength emission in 3 m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	GSM 850 IDLE, Radio function off
Environmental Conditions:	Humidity : 40% rH; Temperature: 20 °C
Operator:	HLA
Verdict:	Passed
Comment:	EUT standing

EUT Information

PMT number:	20-1-01591S22_C02
Manufacturer:	MobilityCloud Inc.

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin	Meas. Time (ms)	Bandwidth (Hz)	Height	Pol	Azimuth	Corr. (dB/m)
50.994000	16.23	40.00	23.77	1000.0	120.000	109.0	V	139.0	12.6
162.474000	33.02	43.50	10.48	1000.0	120.000	165.0	H	191.0	9.5
273.794000	28.23	46.00	17.77	1000.0	120.000	112.0	H	253.0	14.6

3.02

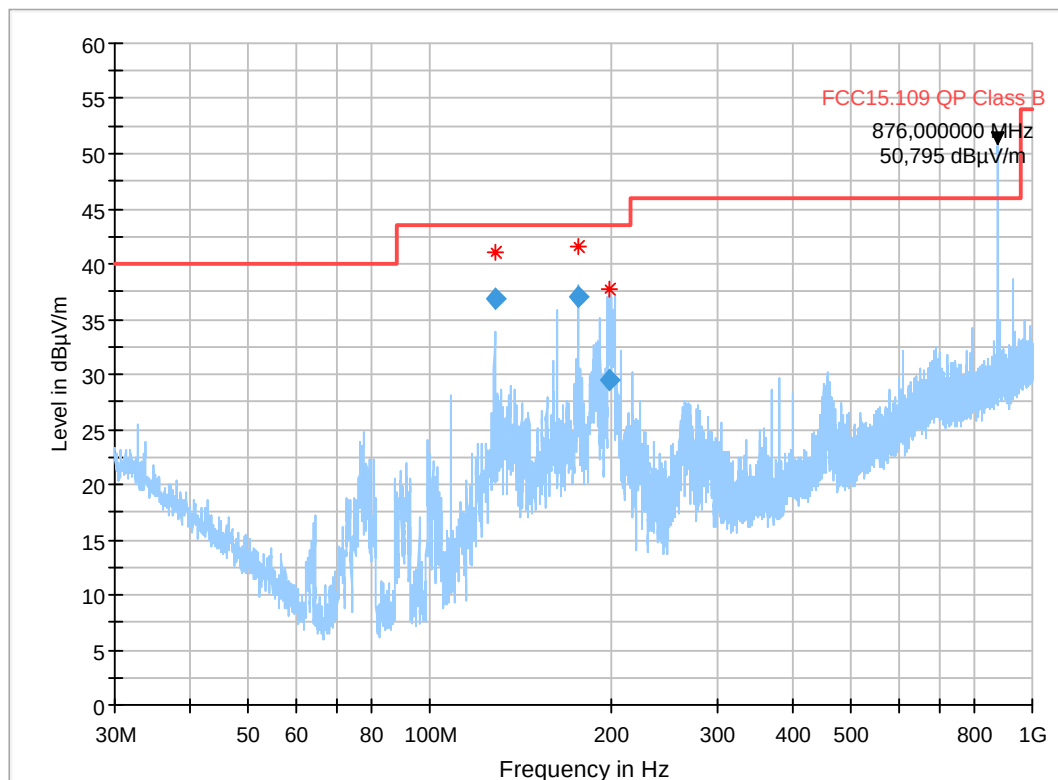
Common Information

Test Description:	Radiated field strength emission in 3 m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	GSM 850 IDLE, Radio function off
Environmental Conditions:	Humidity : 40% rH; Temperature: 20 °C
Operator:	HLA
Verdict:	Passed
Comment:	EUT laying

EUT Information

PMT number:	20-1-01591S22_C02
Manufacturer:	MobilityCloud Inc.

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin	Meas. Time (ms)	Bandwidth	Height	Pol	Azimuth
127.998000	36.82	43.50	6.68	1000.0	120.000	163.0	H	158.0
176.014000	36.97	43.50	6.53	1000.0	120.000	179.0	H	184.0
199.082000	29.39	43.50	14.11	1000.0	120.000	182.0	H	184.0

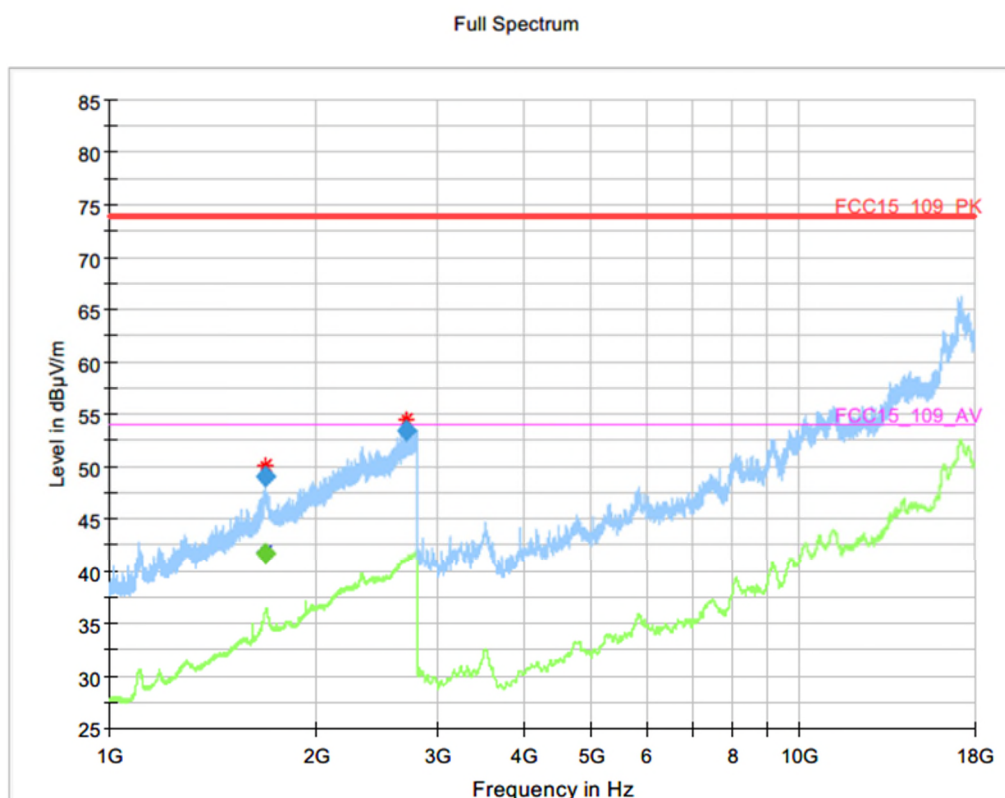
4.01

Common Information

Test Description:	Radiated field strength emission in 3 m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	GSM 850 IDLE, Radio function off
Operator:	HLA
Environmental Conditions:	Humidity : 40% rH; Temperature: 25 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	20-1-01591S22_C02
Manufacturer:	MobilityCloud Inc.



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin	Meas. Time (ms)	Bandwidth (Hz)	Pol	Azimuth (°)	Elevation (°)	Corr. (dB/m)
1686.173000	49.08	---	74.00	24.92	100.0	1000.000	H	182.0	90.0	34
2693.455000	53.40	---	74.00	20.60	100.0	1000.000	H	188.0	90.0	38
1687.355000	---	41.71	54.00	12.29	100.0	1000.000	V	290.0	0.0	34

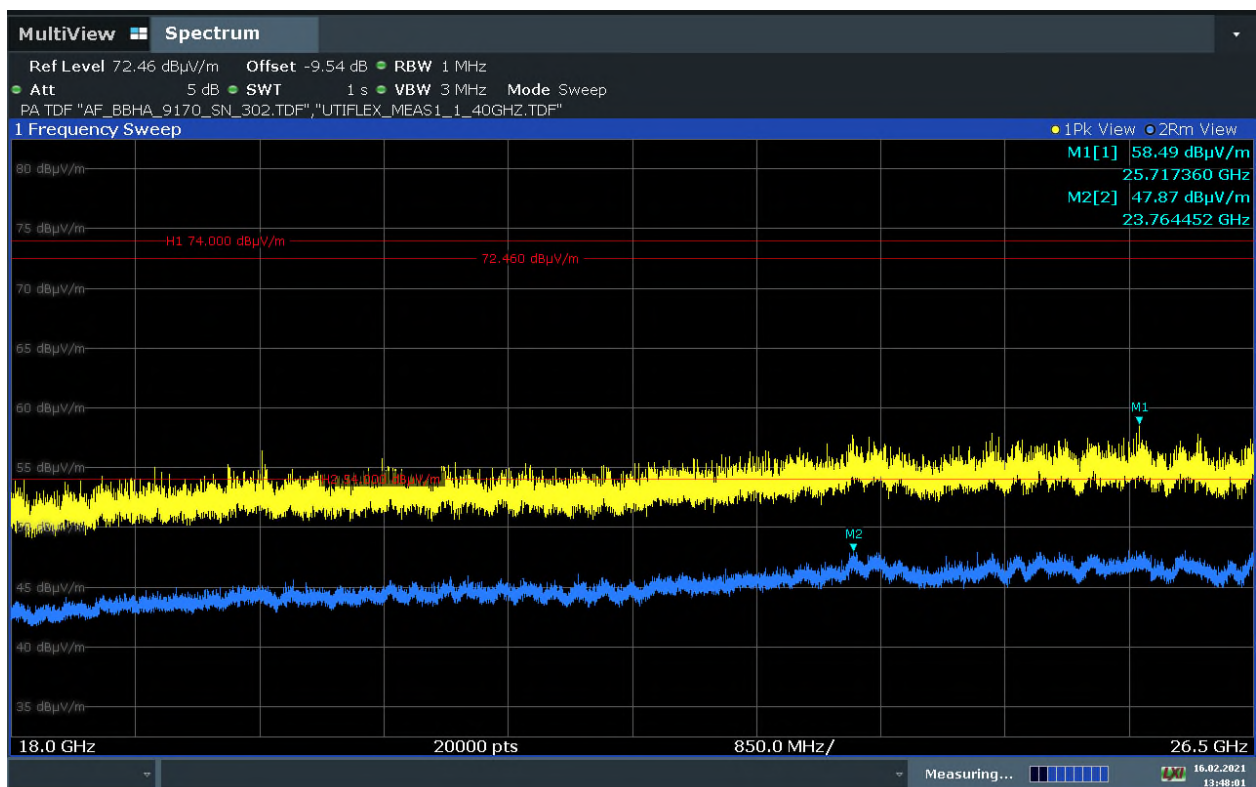
4.02

Common Information

Test Description:	Radiated field strength emission in 3 m distance
Test Site:	Fully Anechoic Chamber (FAC1) - EMC32 V10.50.0
Test Standard:	FCC 15.109 Unintentional Radiator
Antenna polarisation:	horizontal/vertical
Operating Mode:	GSM 850 IDLE, Radio function off
Operator:	HLA
Environmental Conditions:	Humidity : 40% rH; Temperature: 25 °C
EUT Setup:	1
Verdict:	Passed

EUT Information

PMT number:	20-1-01591S22_C02
Manufacturer:	MobilityCloud Inc.



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End Of Annex 1