

TEST REPORT No. I17Z60308-EMC01

for

TCL Communication Ltd.

LTE / UMTS / GSM mobile phone

Model Name: 5085C

FCC ID: 2ACCJH072

with

Hardware Version: 10

Software Version: v4F5Z

Issued Date: 2017-05-05

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of CTTL.

Test Laboratory:

FCC 2.948 Listed: No.525429

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I17Z60308-EMC01	Rev.0	1 st edition	2017-05-05



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1. Test Laboratory

1.1. Testing Location

Location YZ: CTTL(kangding Road)

Address: No. A18, Kangding Road, Yizhuang, Beijing,

P. R. China 100176

1.2. <u>Testing Environment</u>

Normal Temperature: $15-35^{\circ}$ C Relative Humidity: 20-75%

1.3. Project data

Testing Start Date: 2017-04-19
Testing End Date: 2017-04-27

1.4. Signature

Wang Junqing

正公青

(Prepared this test report)

八不

Zhang Ying (Reviewed this test report)

Liu Baodian

Deputy Director of the laboratory

(Approved this test report)



2. Client Information

2.1. Applicant Information

Company Name: TCL Communication Ltd.

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2.2. Manufacturer Information

Company Name: TCL Communication Ltd.

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3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description LTE / UMTS / GSM mobile phone

Model Name 5085C

FCC ID 2ACCJH072

Extreme vol. Limits 3.5VDC to 4.4VDC (nominal: 3.85VDC)

Note: Components list, please refer to documents of the manufacturer; it is also included in the original test record of CTTL, Telecommunication Technology Labs, Academy of Telecommunication Research, MIIT.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version
EUT1	014889000003517	10	v4F5Z

^{*}EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID*	Description	SN	Remarks		
AE1	Battery	/	/		
AE3	Charger	/	/		
AE11	USB Cable	/	/		
AE12	USB Cable	/	/		
AE13	Back cover2	/	/		
AE14	Back cover3	/	/		
AE15	Back cover4	/	/		
AE1					
Model		TLp027AJ			
SN		CAC2710010CJ			
Manufac	cturer	COSLIGHT			
Capacitance		2710 mAh			
Nominal voltage		/			
AE3					
Model		CBA0058AGAD2			
Manufac	cturer	TENPAO	TENPAO		
Length o	of cable	/			
AE11					
Model		CDA0000078CF			
Manufac	cturer	LUXSHARE			
Length of	of cable	98cm			
AE12					
Model		CDA0000104CF			
Manufac	cturer	LUXSHARE			
Length o	of cable	98cm			



AE13
Model /
Manufacturer /
AE14
Model /
Manufacturer /
AE15
Model /
Manufacturer /
Manufacturer /

Note: The USB cables are shielded.

3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.17	EUT1+ AE1+ AE3+ AE11/AE12	Charger
Set.18	EUT1+ AE1+ AE11/AE12	USB
Set.19	EUT1+ AE1+ AE3+ AE11/AE12	Back Cover2
Set.20	EUT1+ AE1+ AE3+ AE11/AE12	Back Cover3
Set.21	EUT1+ AE1+ AE3+ AE11/AE12	Back Cover4

4. Reference Documents

4.1. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 15, Subpart B	Radio frequency devices - Unintentional Radiators	2015 Edition
ANSI C63.4	American National Standard for	2014
	Methods of Measurement of Radio-	
	Noise Emissions from Low-Voltage	
	Electrical and Electronic Equipment	
	in the Range of 9 kHz to 40 GHz	

Note: The test methods have no deviation with standards.

^{*}AE ID: is used to identify the test sample in the lab internally.



5. LABORATORY ENVIRONMENT

Semi-anechoic chamber SAC-1 (23 meters \times 17meters \times 10meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 15 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB;
	1MHz - 1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω
Normalised site attenuation (NSA)	< ±4 dB, 10 m distance
Site voltage standing-wave ratio (S _{VSWR})	Between 0 and 6 dB, from 1GHz to 6GHz
Uniformity of field strength	Between 0 and 6 dB, from 80 to 3000 MHz

Shielded room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	0.014MHz-1MHz, >60dB;
	1MHz-1000MHz, >90dB.
Electrical insulation	> 2 MΩ
Ground system resistance	< 4 Ω



6. SUMMARY OF TEST RESULTS

Abbreviations used in this clause:		
Р		Pass
Verdict Column	NA	Not applicable
F		Fail
Location Column YZ		The test is performed in test location YZ which is
		described in section 1.1 of this report

Items	Test Name	Clause in FCC rules	Section in this report	Verdict	Test Location
1	Radiated Emission	15.109(a)	B.1	Р	YZ
2	Conducted Emission	15.107(a)	B.2	Р	YZ



7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATI ON
1	Test Receiver	ESU26	100376	R&S	2017-11-30	1 year
2	Test Receiver	ESCI 7	100948	R&S	2017-07-05	1 year
3	Universal Radio Communication Tester	CMW500	127406	R&S	2018-02-19	1 year
4	Universal Radio Communication Tester	CMW500	155415	R&S	2018-02-15	1 year
5	LISN	ESH2-Z5	829991/012	R&S	2018-04-10	1 year
6	EMI Antenna	VULB 9163	9163-514	Schwarzbeck	2017-11-24	3 years
7	EMI Antenna	3117	00139065	ETS-Lindgren	2017-09-21	3 years
8	PC	OPTIPLEX 380	2X1YV2X	DELL	N/A	N/A
9	Printer	P1606dn	VNC3L52122	HP	N/A	N/A
10	Keyboard	L100	CN0RH6596589 07ATOI40	DELL	N/A	N/A
11	Mouse	M-UAE119	LZ935220ZRC	Lenovo	N/A	N/A

Test Item	Test Software and Version	Software Vendor	Test operator
Radiated Continuous Emission	EMC32 V9.01	R&S	Yang Fei
Conducted Emission	EMC32 V8.52.0	R&S	Zhang Guowei



ANNEX A: MEASUREMENT RESULTS

A.1 Radiated Emission

Reference

FCC: CFR Part 15.109(a).

A.1.1 Method of measurement

The field strength of radiated emissions from the unintentional radiator (charging mode of MS) at distances of 3 meters(for 30MHz-1GHz) and 3 meters (for above 1GHz) is tested. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 8.3.

The EUT was placed on a non-conductive table. The measurement antenna was placed at a distance of 3/10 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

A.1.2 EUT Operating Mode:

The MS is operating in the charging mode. During the test MS is connected to a charger in the case of charging mode.

Note: I/O information: Printer – USB, Mouse – PS/2, Keyboard – USB.

A.1.3 Measurement Limit

Frequency range	Field strength limit (μV/m)					
(MHz)	Quasi-peak	Average	Peak			
30-88	100					
88-216	150					
216-960	200					
960-1000	500					
>1000		500	5000			

Note: the above limit is for 3 meters test distance. 10 meters' limit is got by converting.

A.1.4 Test Condition

Frequency range (MHz)	RBW/VBW	Sweep Time (s)	Detector
30-1000	120kHz (IF Bandwidth)	5	Peak/Quasi-peak
Above 1000	1MHz/1MHz	15	Peak, Average



A.1.5 Measurement Results

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss". It includes the antenna factor of receive antenna and the path loss.

The measurement results are obtained as described below:

Result = $P_{Mea} + A_{Rpl} = P_{Mea} + G_A + G_{PL}$

Where

G_A: Antenna factor of receive antenna

G_{PL}: Path Loss

P_{Mea}: Measurement result on receiver.

Measurement uncertainty (worst case): 30MHz-1GHz: 4.86dB, 1GHz-18GHz: 5.26dB, *k*=2.

Measurement results for Set.17:

Charging Mode/Average detector

Frequency(MHz)	Result(dBμV/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dBµV)	Polarity
17808.750	41.5	-23.0	41.0	23.519	V
17804.250	41.4	-23.1	41.0	23.495	V
17812.500	41.3	-23.0	40.9	23.408	V
17791.500	41.3	-23.3	41.0	23.582	Н
17801.250	41.3	-23.1	41.0	23.418	Н
17803.500	41.2	-23.1	41.0	23.341	V

Charging Mode/Peak detector

Frequency(MHz)	Result(dB _μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dBµV)	Polarity
17809.500	52.9	-23.0	41.0	34.994	Н
17811.000	52.5	-23.0	41.0	34.560	Н
17831.250	52.4	-23.3	40.9	34.790	V
17801.250	52.4	-23.1	41.0	34.550	Н
17814.000	52.2	-23.1	40.9	34.279	Н
17788.500	52.1	-23.3	41.0	34.425	Н

Sample calculation: Peak detector, 17805.000MHz

Result = P_{Mea} (34.425dB μ V)+ G_A (41.0dB/m)+ G_{PL} (-23.3 dB) =52.1dB μ V/m



Measurement results for Set.18:

Charging Mode/Average detector

Frequency(MHz)	Result(dBμV/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dBµV)	Polarity
17804.250	41.4	-23.1	41.0	23.520	V
17801.250	41.3	-23.1	41.0	23.500	Н
17815.500	41.3	-23.1	40.9	23.433	V
17808.000	41.3	-23.0	41.0	23.364	V
17793.750	41.3	-23.2	41.0	23.567	Н
17805.000	41.2	-23.1	41.0	23.352	Н

Charging Mode/Peak detector

Frequency(MHz)	Result(dBμV/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dBµV)	Polarity
17810.250	53.5	-23.0	41.0	35.530	V
17791.500	53.0	-23.3	41.0	35.335	Н
17823.000	52.7	-23.2	40.9	34.890	Н
17799.000	52.5	-23.2	41.0	34.728	Н
17797.500	52.4	-23.2	41.0	34.675	V
17811.000	52.3	-23.0	41.0	34.398	V

Sample calculation: Peak detector, 17811.000MHz

Result = P_{Mea} (34.398dB μ V)+ G_A (41.0dB/m)+ G_{PL} (-23.0 dB) =52.3dB μ V/m



Measurement results for Set.19:

Charging Mode/Average detector

Frequency(MHz)	Result(dBμV/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dBµV)	Polarity
17800.500	41.3	-23.1	41.0	23.484	V
17807.250	41.3	-23.0	41.0	23.342	V
17806.500	41.2	-23.0	41.0	23.334	Н
17799.750	41.2	-23.2	41.0	23.404	Н
17805.000	41.2	-23.1	41.0	23.313	V
17802.000	41.2	-23.1	41.0	23.346	Н

Charging Mode/Peak detector

Frequency(MHz)	Result(dBμV/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dBµV)	Polarity
17811.750	53.6	-23.0	41.0	35.663	Н
17818.500	52.8	-23.1	40.9	35.007	Н
17809.500	52.8	-23.0	41.0	34.872	V
17778.750	52.4	-23.5	41.0	34.962	Н
17815.500	52.4	-23.1	40.9	34.520	V
17802.750	52.2	-23.1	41.0	34.300	V

Sample calculation: Peak detector, 17802.750MHz

Result = P_{Mea} (34.300dB μ V)+ G_A (41.0dB/m)+ G_{PL} (-23.1 dB) =52.2dB μ V/m



Measurement results for Set.20:

Charging Mode/Average detector

Frequency(MHz)	Result(dB _μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dBµV)	Polarity
17806.500	41.4	-23.0	41.0	23.467	V
17803.500	41.3	-23.1	41.0	23.472	V
17799.750	41.3	-23.2	41.0	23.470	V
17792.250	41.2	-23.3	41.0	23.551	Н
17815.500	41.2	-23.1	40.9	23.361	Н
17800.500	41.2	-23.1	41.0	23.378	Н

Charging Mode/Peak detector

Frequency(MHz)	Result(dBμV/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dBµV)	Polarity
17820.750	53.0	-23.1	40.9	35.183	V
17827.500	52.7	-23.2	40.9	35.001	Н
17800.500	52.7	-23.1	41.0	34.869	V
17808.000	52.6	-23.0	41.0	34.625	Н
17869.500	52.5	-23.8	40.9	35.446	Н
17814.000	52.5	-23.1	40.9	34.613	V

Sample calculation: Peak detector, 17814.000MHz

Result = P_{Mea} (34.613dB μ V)+ G_A (40.9dB/m)+ G_{PL} (-23.1 dB) =52.5dB μ V/m



Measurement results for Set.21:

USB Mode/Average detector

Frequency(MHz)	Result(dBμV/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dBµV)	Polarity
17802.000	41.4	-23.1	41.0	23.540	Н
17798.250	41.3	-23.2	41.0	23.554	Н
17807.250	41.2	-23.0	41.0	23.293	V
17803.500	41.2	-23.1	41.0	23.333	V
17810.250	41.2	-23.0	41.0	23.240	V
17808.750	41.2	-23.0	41.0	23.232	V

USB Mode/Peak detector

Frequency(MHz)	Result(dB _μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dBµV)	Polarity
17808.750	53.1	-23.0	41.0	35.168	Н
17784.750	52.7	-23.4	41.0	35.099	Н
17805.750	52.6	-23.1	41.0	34.688	V
17796.000	52.1	-23.2	41.0	34.394	Н
17802.000	52.1	-23.1	41.0	34.274	V
17786.250	52.1	-23.4	41.0	34.493	Н

Sample calculation: Peak detector, 17786.250MHz

Result = P_{Mea} (34.493dB μ V)+ G_A (41.0dB/m)+ G_{PL} (-23.4 dB) =52.1dB μ V/m





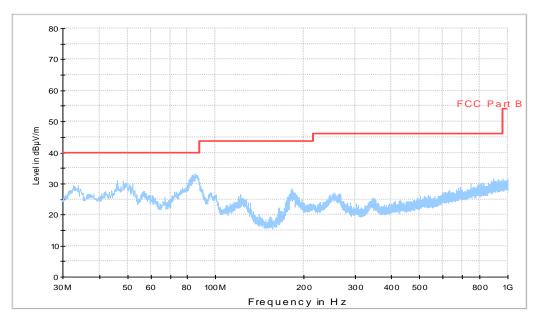


Figure A.1 Radiated Emission from 30MHz to 1GHz

15B RE - 1GHz-3GHz

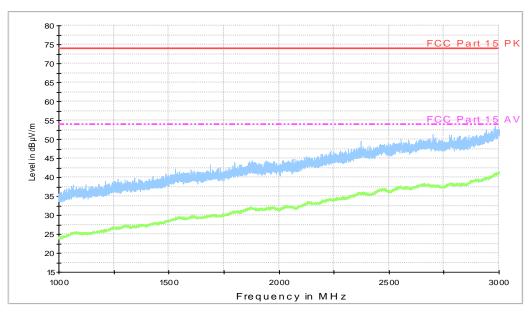


Figure A.2 Radiated Emission from 1GHz to 3GHz





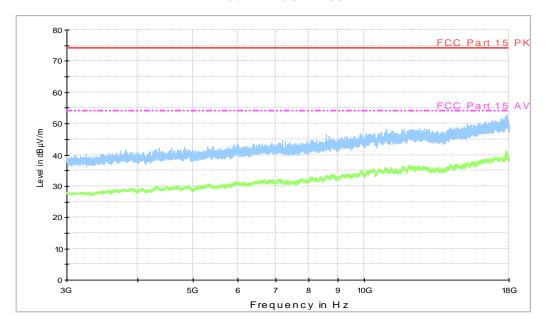


Figure A.3 Radiated Emission from 3GHz to 18GHz



15B RE 30MHz-1GHz

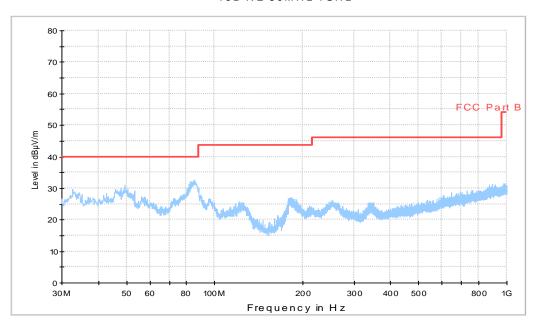


Figure A.4 Radiated Emission from 30MHz to 1GHz



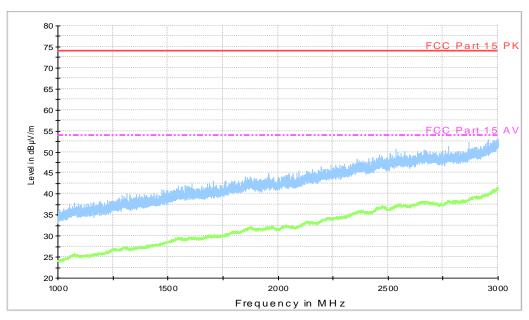


Figure A.5 Radiated Emission from 1GHz to 3GHz



15b RE-3GHz-18GHz

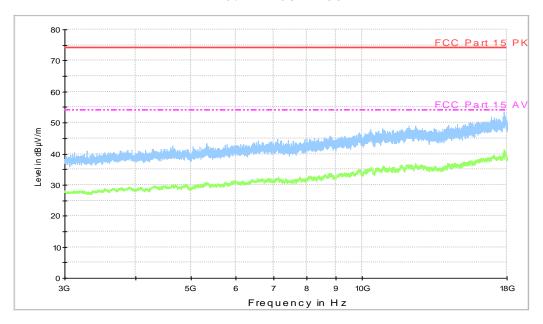
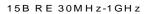


Figure A.6 Radiated Emission from 3GHz to 18GHz





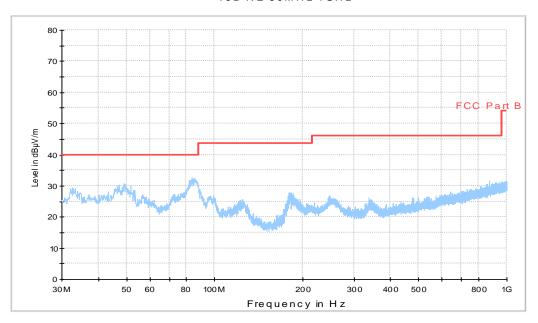


Figure A.7 Radiated Emission from 30MHz to 1GHz



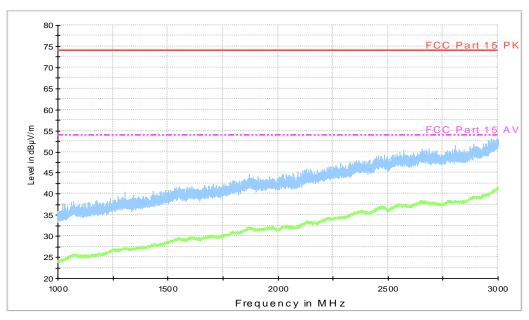


Figure A.8 Radiated Emission from 1GHz to 3GHz





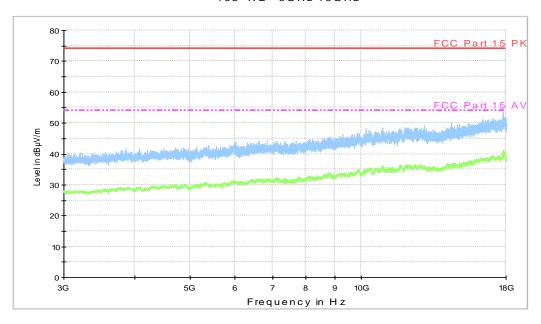


Figure A.9 Radiated Emission from 3GHz to 18GHz





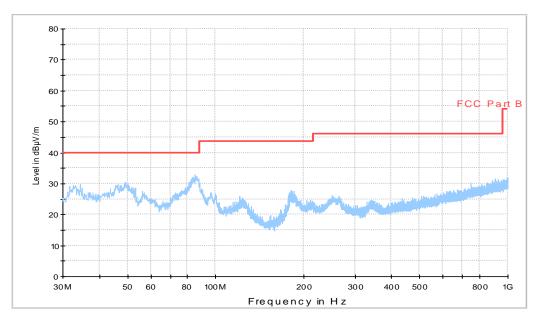


Figure A.10 Radiated Emission from 30MHz to 1GHz

15B RE - 1GHz-3GHz

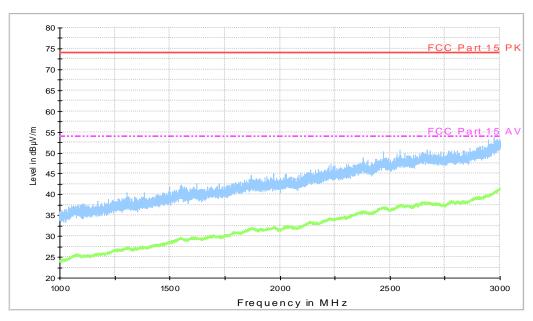


Figure A.11 Radiated Emission from 1GHz to 3GHz





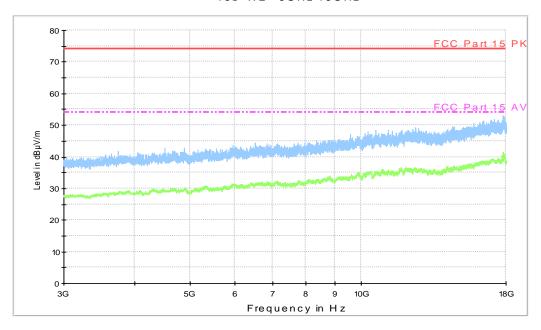
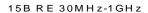


Figure A.12 Radiated Emission from 3GHz to 18GHz



USB Mode, Set.21



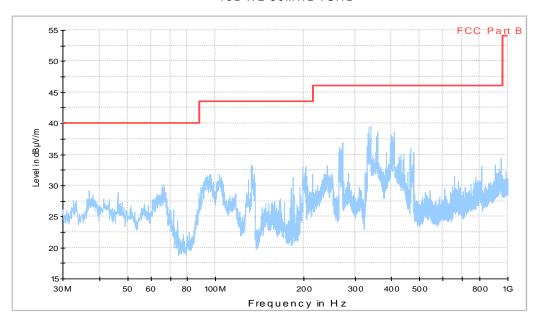


Figure A.13 Radiated Emission from 30MHz to 1GHz



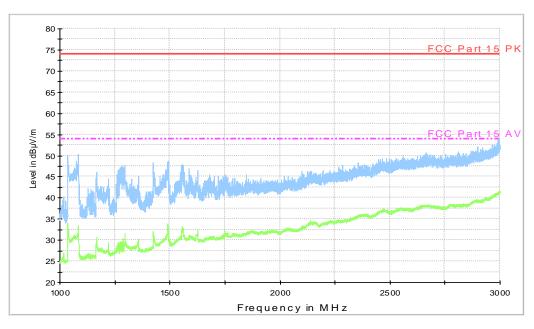
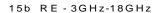


Figure A.14 Radiated Emission from 1GHz to 3GHz





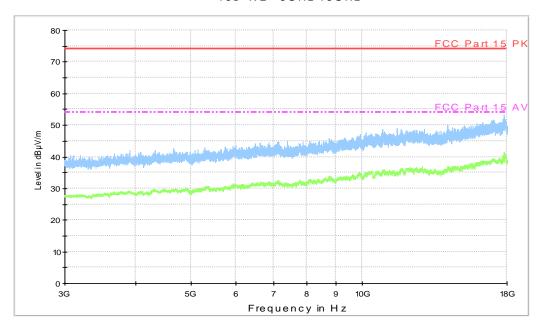


Figure A.15 Radiated Emission from 3GHz to 18GHz



A.2 Conducted Emission

Reference

FCC: CFR Part 15.107(a).

A.2.1 Method of measurement

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits. Tested in accordance with the procedures of ANSI C63.4 – 2014, section 7.3.

A.2.2 EUT Operating Mode

The MS is operating in the charging mode. During the test MS is connected to a charger in the case of charging mode.

A.2.3 Measurement Limit

Frequency of emission (MHz)	Conducted limit (dBµV)						
	Quasi-peak	Average					
0.15-0.5	66 to 56*	56 to 46*					
0.5-5	56	46					
5-30	60	50					
*Decreases with the logarithm of the frequency							

A.2.4 Test Condition in charging mode

Voltage (V)	Frequency (Hz)
120	60

RBW/IF bandwidth	Sweep Time(s)
9kHz	1



A.2.5 Measurement Results

Measurement uncertainty: U= 3.38 dB, k=2.

Charging Mode, Set.17

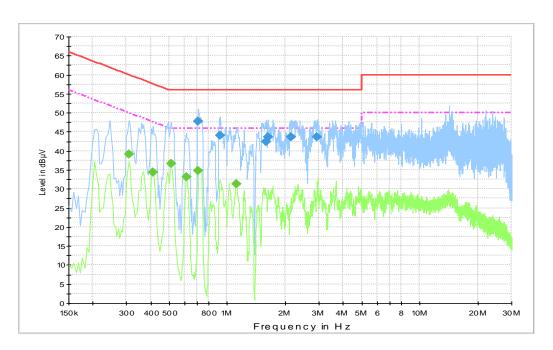


Figure A.16 Conducted Emission

Final Result 1

Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)
		(ms)						
0.879000	44.7	2000.0	9.000	On	L1	10.2	11.3	56.0
1.450500	46.1	2000.0	9.000	On	L1	10.2	9.9	56.0
1.936500	45.1	2000.0	9.000	On	L1	10.3	10.9	56.0
2.512500	45.1	2000.0	9.000	On	L1	10.3	10.9	56.0
4.290000	41.7	2000.0	9.000	On	L1	10.4	14.3	56.0
4.758000	42.8	2000.0	9.000	On	L1	10.4	13.2	56.0

Final Result 2

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)
		(ms)						
0.420000	40.4	2000.0	9.000	On	L1	10.2	7.0	47.4
0.541500	42.1	2000.0	9.000	On	L1	10.2	3.9	46.0
0.663000	38.1	2000.0	9.000	On	L1	10.2	7.9	46.0
0.784500	40.9	2000.0	9.000	On	L1	10.2	5.1	46.0
1.329000	39.7	2000.0	9.000	On	L1	10.2	6.3	46.0
2.539500	38.2	2000.0	9.000	On	L1	10.3	7.8	46.0



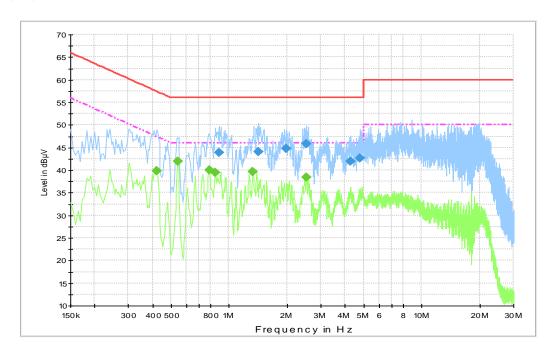


Figure A.17 Conducted Emission

Final Result 1

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Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit	
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)	
		(ms)							
0.883500	43.8	2000.0	9.000	On	L1	10.2	12.2	56.0	
1.428000	44.1	2000.0	9.000	On	L1	10.2	11.9	56.0	
1.990500	44.8	2000.0	9.000	On	L1	10.3	11.2	56.0	
2.521500	45.8	2000.0	9.000	On	L1	10.3	10.2	56.0	
4.281000	41.9	2000.0	9.000	On	L1	10.4	14.1	56.0	
4.807500	42.6	2000.0	9.000	On	L1	10.4	13.4	56.0	

Final Result 2

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)
		(ms)						
0.420000	39.8	2000.0	9.000	On	L1	10.2	7.7	47.4
0.541500	42.0	2000.0	9.000	On	L1	10.2	4.0	46.0
0.789000	40.0	2000.0	9.000	On	L1	10.2	6.0	46.0
0.843000	39.5	2000.0	9.000	On	L1	10.2	6.5	46.0
1.324500	39.6	2000.0	9.000	On	L1	10.2	6.4	46.0
2.521500	38.4	2000.0	9.000	On	L1	10.3	7.6	46.0



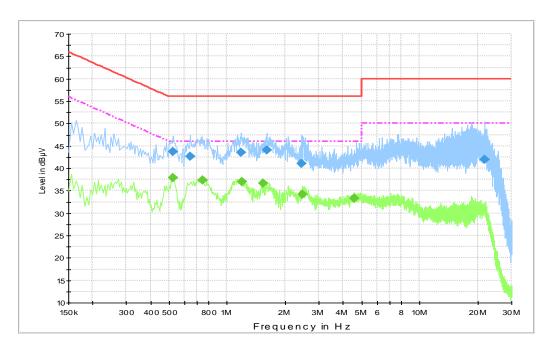


Figure A.18 Conducted Emission

Final Result 1

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Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit		
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)		
		(ms)								
0.523500	43.6	2000.0	9.000	On	L1	10.2	12.4	56.0		
0.640500	42.7	2000.0	9.000	On	L1	10.2	13.3	56.0		
1.180500	43.5	2000.0	9.000	On	L1	10.2	12.5	56.0		
1.603500	44.1	2000.0	9.000	On	L1	10.2	11.9	56.0		
2.440500	41.1	2000.0	9.000	On	L1	10.3	14.9	56.0		
21.705000	41.9	2000.0	9.000	On	N	11.0	18.1	60.0		

Final Result 2

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)
		(ms)						
0.523500	37.9	2000.0	9.000	On	L1	10.2	8.1	46.0
0.748500	37.4	2000.0	9.000	On	L1	10.2	8.6	46.0
1.189500	37.1	2000.0	9.000	On	L1	10.2	8.9	46.0
1.545000	36.7	2000.0	9.000	On	L1	10.2	9.3	46.0
2.458500	34.2	2000.0	9.000	On	L1	10.3	11.8	46.0
4.551000	33.2	2000.0	9.000	On	L1	10.4	12.8	46.0



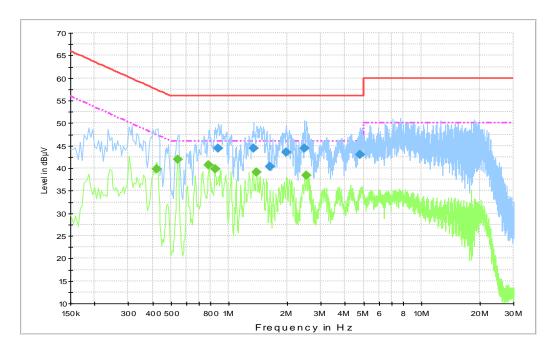


Figure A.19 Conducted Emission

Final Result 1

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Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit			
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)			
		(ms)									
0.879000	44.4	2000.0	9.000	On	L1	10.2	11.6	56.0			
1.342500	44.3	2000.0	9.000	On	L1	10.2	11.7	56.0			
1.621500	40.4	2000.0	9.000	On	N	10.3	15.6	56.0			
1.972500	43.6	2000.0	9.000	On	L1	10.3	12.4	56.0			
2.472000	44.3	2000.0	9.000	On	L1	10.3	11.7	56.0			
4.807500	43.0	2000.0	9.000	On	L1	10.4	13.0	56.0			

Final Result 2

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)
		(ms)						
0.420000	39.8	2000.0	9.000	On	L1	10.2	7.6	47.4
0.541500	42.0	2000.0	9.000	On	L1	10.2	4.0	46.0
0.784500	40.8	2000.0	9.000	On	L1	10.2	5.2	46.0
0.847500	39.7	2000.0	9.000	On	L1	10.2	6.3	46.0
1.392000	39.1	2000.0	9.000	On	L1	10.2	6.9	46.0
2.521500	38.5	2000.0	9.000	On	L1	10.3	7.5	46.0



USB Mode, Set.21

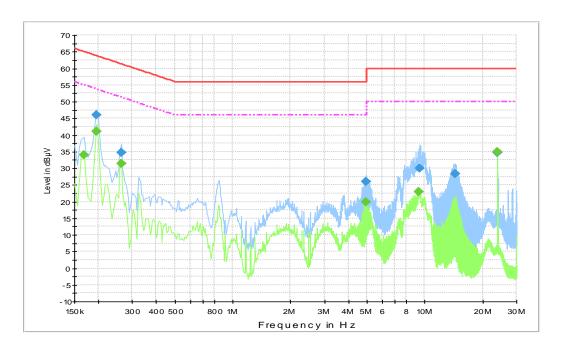


Figure A.20 Conducted Emission

Final Result 1

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Frequency	QuasiPeak	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)
		(ms)						
0.195000	45.9	2000.0	9.000	On	L1	10.2	17.9	63.8
0.262500	34.6	2000.0	9.000	On	L1	10.2	26.7	61.4
4.951500	25.9	2000.0	9.000	On	L1	10.4	30.1	56.0
9.348000	30.0	2000.0	9.000	On	L1	10.6	30.0	60.0
14.329500	28.5	2000.0	9.000	On	N	10.8	31.5	60.0
23.968500	34.8	2000.0	9.000	On	L1	11.3	25.2	60.0

Final Result 2

Frequency	CAverage	Meas.	Bandwidth	Filter	Line	Corr.	Margin	Limit
(MHz)	(dBµV)	Time	(kHz)			(dB)	(dB)	(dBµV)
		(ms)						
0.168000	33.9	2000.0	9.000	On	L1	10.2	21.2	55.1
0.195000	41.0	2000.0	9.000	On	L1	10.2	12.8	53.8
0.262500	31.5	2000.0	9.000	On	L1	10.2	19.9	51.4
4.951500	20.0	2000.0	9.000	On	L1	10.4	26.0	46.0
9.316500	22.9	2000.0	9.000	On	N	10.6	27.1	50.0
23.968500	34.9	2000.0	9.000	On	L1	11.3	15.1	50.0

Note: The measurement results showed here are worst cases of the combinations of different batteries and USB cables.

END OF REPORT