



FCC 15B TEST REPORT

No. I21Z61156-EMC01

for

TCL Communication Ltd

LINKHUB

Model Name: HH42NK1

FCC ID: 2ACCJB160

with

Hardware Version: V02

Software Version: HH42LITENK1_00_02.00_02

Issued Date: 2021-07-07

Note:

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REPORT HISTORY

Report Number	Revision	Description	Issue Date
I21Z61156-EMC01	Rev.0	1 st edition	2021-06-25
I21Z61156-EMC01	Rev.1	Modified the test Equipments Utilized in P10.Deleted the PC and Printer; Modified the A.1.2 EUT Operating Mode in P11.Changing the mode to "The MS is operating in the charging mode, WLAN transfer mode and telephone mode". Modified the A.2.2 EUT Operating Mode in P24.Changing the mode to "The MS is operating in the charging mode, WLAN transfer mode and telephone mode".	2021-07-05
I21Z61156-EMC01	Rev.2	Adding the operating mode with PC and printer.	2021-07-07

Note: the latest revision of the test report supersedes all previous version.

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1. Test Laboratory

1.1. Introduction & Accreditation

Telecommunication Technology Labs, CAICT is an ISO/IEC 17025:2005 accredited test laboratory under NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM (NVLAP) with lab code 600118-0, and is also an FCC accredited test laboratory (CN5017), and ISED accredited test laboratory (ISED#: 24849). The detail accreditation scope can be found on NVLAP website.

1.2. Testing Location

Location 1: CTTL(huayuan North Road)

Address: No. 52, Huayuan North Road, Haidian District, Beijing,
P. R. China 100191

1.3. Testing Environment

Normal Temperature: 15-35℃
Relative Humidity: 20-75%

1.4. Project data

Testing Start Date: 2021-06-21
Testing End Date: 2021-06-25

1.5. Signature



Zhang Ying
(Prepared this test report)



An Hui
(Reviewed this test report)



Zhang Xia
(Approved this test report)



2. Client Information

2.1. Applicant Information

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2.2. Manufacturer Information

Company Name: TCL Communication Ltd.
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Postal Code: /
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3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Description	LINKHUB
Model Name	HH42NK1
FCC ID	2ACCJB160

This device contains the receivers which tune and operate between 30MHz-960MHz in the following bands:

WCDMA850MHz, LTE bands 5/12/13/17.

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
EUT4	350969640000149	V02	HH42LITENK1_00_02.00_02

*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	Travel charger	/	/
AE2	PC		
AE3	Telephone		

AE1

Model	S012CDU1200100
Manufacturer	Tenpao

AE2

Model	/
Manufacturer	/

AE3

Model	/
Manufacturer	/

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

3.4. EUT set-ups

EUT set-up No.	Combination of EUT and AE	Remarks
Set.4	EUT4+ AE1	Charger
Set.5	EUT4+ AE1+AE2+AE3	Charger

4. Reference Documents

4.1. Documents supplied by applicant

EUT parameters, referring to chapter 3 for detailed information, are supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

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

	Title	Version
Reference		
FCC Part 15, Subpart B	Radio frequency devices - Unintentional Radiators	10-1-20 Edition
ANSI C63.4	American National Standard for Methods of Measurement of Radio- Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

Note: The test methods have no deviation with standards.

5. LABORATORY ENVIRONMENT

Semi-anechoic chamber SAC-1 (23 meters×17meters×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:		
Verdict Column	P	Pass
	NA	Not applicable
	F	Fail
Location Column	1/2/4	The test is performed in test location 1/2/4 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)	A.1	P	1
2	Conducted Emission	15.107(a)	A.2	P	1

7. Test Equipments Utilized

NO.	Description	TYPE	SERIES NUMBER	MANUFACTURE	CAL DUE DATE	CALIBRATION INTERVAL
1	Test Receiver	ESCI 3	100344	Rohde & Schwarz	2022-02-23	1 year
2	LISN	R&S	825562/028	Rohde & Schwarz	2021-10-15	1 year
3	EMI Antenna	VULB 9163	9163-483	Schwarzbeck	2021-08-27	1 year
4	EMI Antenna	3115	6914	ETS-Lindgren	2022-02-03	1 year
5	Test Receiver	ESU26	100235	Rohde & Schwarz	2022-02-23	1 year
6	PC	OPTIPLEX 380	2X1YV2X	DELL	N/A	N/A
7	Printer	P1606dn	VNC3L52122	HP	N/A	N/A
8	Keyboard	L100	CN0RH6596589 07ATOI40	DELL	N/A	N/A
9	Mouse	M-UAE119	LZ935220ZRC	Lenovo	N/A	N/A

Test Item	Test Software and Version	Software Vendor
Radiated Continuous Emission	EMC32 V9.01.0	R&S
Conducted Emission	EMC32 V8.52.0	R&S

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 and FM mode of MS) at distances of 10 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, WLAN transfer mode and telephone mode. During the test MS is connected to a charger.

The EUT was tested while operating in licensed band Rx mode. All licensed band receivers that tune in the range of 30MHz-960MHz, as listed in Section 3.1, are investigated. Only the worst case emissions are reported.

All equipment is placed on the test table top and arranged in a typical configuration in accordance with ANSI C63.4-2014 and manipulated to obtain worst case emissions.

A.1.3 Measurement Limit

Frequency range (MHz)	Field strength limit ($\mu\text{V}/\text{m}$)		
	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.

$$\text{Limit}(10\text{m}) = \text{limit}(3\text{m}) + 20(\log(3/10))$$

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/3MHz	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:

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

Where

G_A : Antenna factor of receive antenna

G_{PL} : Path Loss

P_{Mea} : Measurement result on receiver.

Measurement uncertainty (worst case): 30MHz-1GHz: 5.16dB, 1GHz-18GHz: 5.44dB, $k=2$.

Measurement results for Set.4:

WCDMA 850MHz idle QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
57.645000	13.25	29.50	16.29	197.0	V	151.0
112.450000	17.23	33.10	15.83	108.0	V	-3.0
122.926000	15.80	33.10	17.26	297.0	V	97.0
128.649000	21.49	33.10	11.57	102.0	V	70.0
135.148000	21.94	33.10	11.12	109.0	V	-15.0
192.475000	13.07	33.10	19.99	108.0	V	264.0

WCDMA 850MHz idle PK detector

Frequency (MHz)	Result(d B μ V/m)	G_{PL} (dB)	G_A (dB/m)	P_{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17992.633	56.0	-29.1	46.7	38.4	74.0	18.0	V
17933.700	55.1	-29.4	46.7	37.8	74.0	18.9	V
17976.200	55.1	-29.1	46.7	37.5	74.0	18.9	V
17936.533	55.0	-29.4	46.7	37.7	74.0	19.0	V
17994.333	55.0	-29.1	46.7	37.4	74.0	19.0	V
17898.567	54.8	-29.5	46.0	38.4	74.0	19.2	V

WCDMA 850MHz idle AV detector

Frequency (MHz)	Result(d B μ V/m)	G_{PL} (dB)	G_A (dB/m)	P_{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17975.633	47.1	-29.1	46.7	29.5	54.0	6.9	H
17954.667	47.0	-28.9	46.7	29.3	54.0	7.0	V
17977.900	46.8	-29.1	46.7	29.2	54.0	7.2	V
17972.233	46.7	-29.1	46.7	29.1	54.0	7.3	V
17922.367	46.6	-29.4	46.7	29.3	54.0	7.4	H
17970.533	46.4	-29.1	46.7	28.8	54.0	7.6	V

Measurement results for Set.4:
LTE band 5 idle QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
54.347000	12.91	29.50	16.63	235.0	V	300.0
73.941000	12.40	29.50	17.14	203.0	V	286.0
112.547000	13.93	33.10	19.13	125.0	V	-21.0
122.441000	16.71	33.10	16.35	102.0	V	282.0
129.328000	20.45	33.10	12.61	115.0	V	288.0
138.058000	20.85	33.10	12.21	101.0	V	104.0

LTE band 5 idle PK detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17977.900	56.4	-29.1	46.7	38.8	74.0	17.6	H
17989.800	56.0	-29.1	46.7	38.4	74.0	18.0	H
17634.500	55.6	-29.4	45.2	39.8	74.0	18.4	H
17968.833	54.9	-29.1	46.7	37.3	74.0	19.1	H
17996.600	54.8	-29.1	46.7	37.2	74.0	19.2	V
17981.300	54.8	-29.1	46.7	37.2	74.0	19.2	H

LTE band 5 idle AV detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17996.600	47.2	-29.1	46.7	29.6	54.0	6.8	V
17962.600	46.7	-29.1	46.7	29.1	54.0	7.3	H
17977.900	46.5	-29.1	46.7	28.9	54.0	7.5	V
17968.833	46.5	-29.1	46.7	28.9	54.0	7.5	V
17969.967	46.4	-29.1	46.7	28.8	54.0	7.6	V
17966.000	46.4	-29.1	46.7	28.8	54.0	7.6	H

Measurement results for Set.4:
LTE band 12 idle QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
55.802000	15.34	29.50	14.20	312.0	V	287.0
74.329000	11.14	29.50	18.40	297.0	V	210.0
122.150000	16.32	33.10	16.74	300.0	V	-19.0
128.358000	21.23	33.10	11.83	102.0	V	79.0
136.603000	20.75	33.10	12.31	108.0	V	75.0
187.140000	11.74	33.10	21.32	104.0	V	266.0

LTE band 12 idle PK detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17981.867	54.4	-29.1	46.7	36.8	74.0	19.6	V
17974.500	53.9	-29.1	46.7	36.3	74.0	20.1	H
17989.800	53.9	-29.1	46.7	36.3	74.0	20.1	V
17938.800	53.8	-29.4	46.7	36.5	74.0	20.2	V
17954.667	53.7	-28.9	46.7	36.0	74.0	20.3	V
17907.633	53.6	-29.3	46.0	37.0	74.0	20.4	H

LTE band 12 idle AV detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17981.867	47.3	-29.1	46.7	29.7	54.0	6.7	V
17998.300	46.3	-29.1	46.7	28.7	54.0	7.7	H
17989.800	46.0	-29.1	46.7	28.4	54.0	8.0	V
17966.000	46.0	-29.1	46.7	28.4	54.0	8.0	H
17938.800	45.7	-29.4	46.7	28.4	54.0	8.3	V
17954.667	45.7	-28.9	46.7	28.0	54.0	8.3	H

Measurement results for Set.4:
LTE band 13 idle QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
54.638000	15.76	29.50	13.78	345.0	V	241.0
75.105000	11.88	29.50	17.66	125.0	V	274.0
112.935000	13.65	33.10	19.41	228.0	V	-3.0
122.732000	17.37	33.10	15.69	201.0	V	0.0
132.626000	19.22	33.10	13.84	235.0	V	94.0
138.543000	21.48	33.10	11.58	116.0	V	-23.0

LTE band 13 idle PK detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17978.467	56.3	-29.1	46.7	38.7	74.0	17.7	H
17965.433	55.1	-29.1	46.7	37.5	74.0	18.9	V
17878.167	55.0	-29.4	46.0	38.4	74.0	19.0	V
17983.000	54.9	-29.1	46.7	37.3	74.0	19.1	H
17954.667	54.8	-28.9	46.7	37.1	74.0	19.2	V
17975.067	54.8	-29.1	46.7	37.2	74.0	19.2	V

LTE band 13 idle AV detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17996.600	47.4	-29.1	46.7	29.8	54.0	6.6	V
17950.133	47.0	-28.9	46.7	29.3	54.0	7.0	H
17932.567	46.5	-29.4	46.7	29.2	54.0	7.5	H
17943.900	46.5	-28.9	46.7	28.8	54.0	7.5	H
17950.700	46.4	-28.9	46.7	28.7	54.0	7.6	H
17851.533	46.4	-29.3	46.0	29.8	54.0	7.6	V

Measurement results for Set.4:
LTE band 17, QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
56.190000	14.09	29.50	15.45	329.0	V	77.0
74.814000	11.97	29.50	17.57	191.0	V	206.0
123.411000	17.73	33.10	15.33	103.0	V	64.0
129.425000	20.01	33.10	13.05	216.0	V	150.0
138.640000	20.73	33.10	12.33	125.0	V	116.0
181.902000	11.49	33.10	21.57	125.0	V	261.0

LTE band 17, PK detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17944.467	55.0	-28.9	46.7	37.3	74.0	19.0	V
17960.333	54.5	-29.1	46.7	36.9	74.0	19.5	V
17968.833	54.5	-29.1	46.7	36.9	74.0	19.5	H
17966.567	54.1	-29.1	46.7	36.5	74.0	19.9	H
17901.400	54.0	-29.3	46.0	37.4	74.0	20.0	V
17985.833	54.0	-29.1	46.7	36.4	74.0	20.0	V

LTE band 17, AV detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17934.833	47.0	-29.4	46.7	29.7	54.0	7.0	H
17989.800	46.4	-29.1	46.7	28.8	54.0	7.6	V
17998.867	46.4	-29.1	46.7	28.8	54.0	7.6	H
17993.767	46.3	-29.1	46.7	28.7	54.0	7.7	V
17976.200	46.3	-29.1	46.7	28.7	54.0	7.7	H
17972.233	46.2	-29.1	46.7	28.6	54.0	7.8	H

Measurement results for Set.5:
WLAN and Telephone, QP detector

Frequency (MHz)	QP (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)
30.582000	20.42	29.50	9.12	120.0	V	30.0
81.216000	19.73	29.50	9.81	121.0	V	30.0
120.016000	19.08	33.10	13.98	102.0	V	240.0
151.541000	18.80	33.10	14.26	125.0	V	173.0
262.121000	27.25	35.60	8.31	102.0	V	93.0
399.958000	23.18	35.60	12.38	125.0	V	300.0

WLAN and Telephone, PK detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17996.600	54.9	-29.1	46.7	37.3	74.0	19.1	V
17979.033	54.7	-29.1	46.7	37.1	74.0	19.3	H
17894.033	54.3	-29.5	46.0	37.9	74.0	19.7	V
17839.067	54.3	-29.7	46.0	38.0	74.0	19.7	H
17994.900	54.3	-29.1	46.7	36.7	74.0	19.7	V
17971.667	54.1	-29.1	46.7	36.5	74.0	19.9	H

WLAN and Telephone, AV detector

Frequency (MHz)	Result(d B μ V/m)	G _{PL} (dB)	G _A (dB/m)	P _{Mea} (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Polarity
17958.067	46.8	-28.9	46.7	29.1	54.0	7.2	H
17981.300	46.7	-29.1	46.7	29.1	54.0	7.3	H
17986.967	46.5	-29.1	46.7	28.9	54.0	7.5	V
17952.400	46.4	-28.9	46.7	28.7	54.0	7.6	V
17990.933	46.4	-29.1	46.7	28.8	54.0	7.6	H
17973.367	46.3	-29.1	46.7	28.7	54.0	7.7	V

Sample calculation: AV detector, 17958.067MHz

Result =P_{Mea} (29.1dB μ V)+ G_A (46.7dB/m)+ G_{PL}(-28.9dB) =46.8dB μ V/m

WCDMA 850MHz idle, Set.4

Full Spectrum

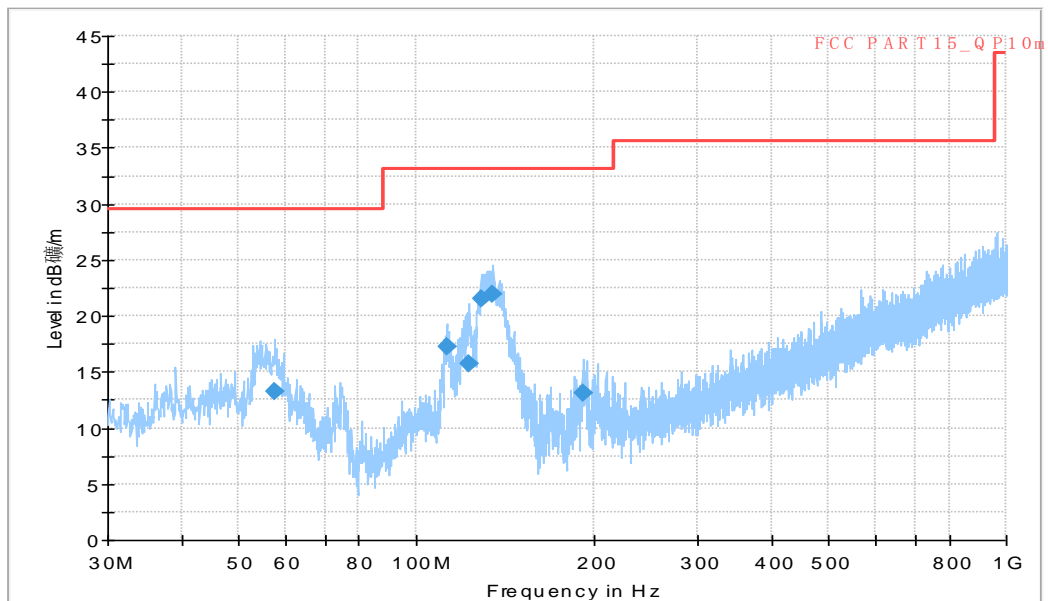


Figure A.1 Radiated Emission from 30MHz to 1GHz

Full Spectrum

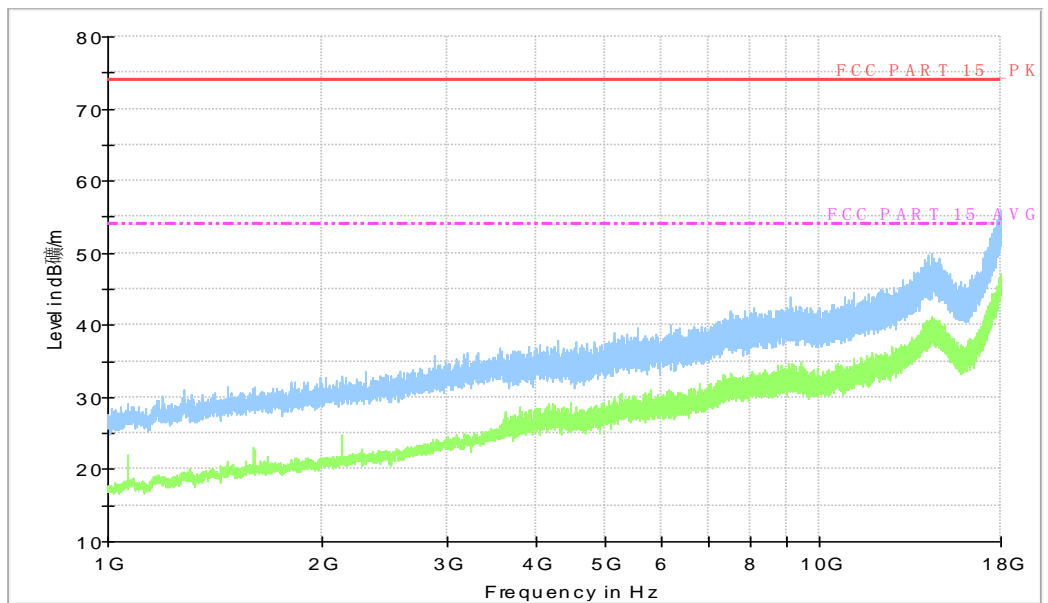


Figure A.2 Radiated Emission from 1GHz to 18GHz

LTE band 5 idle, Set.4

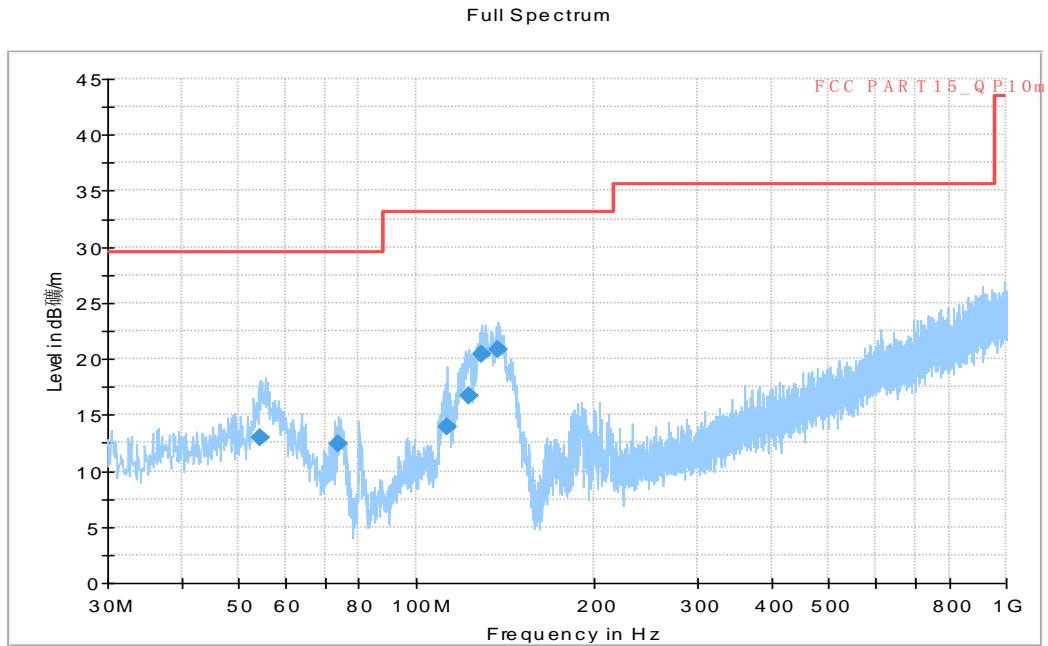


Figure A.3 Radiated Emission from 30MHz to 1GHz

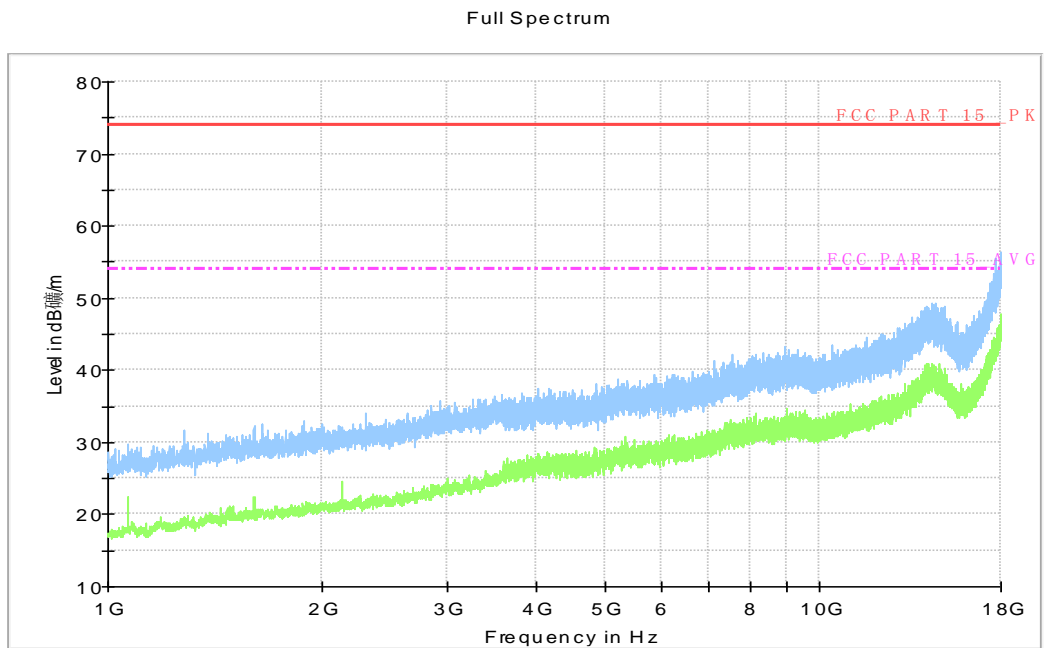


Figure A.4 Radiated Emission from 1GHz to 18GHz

LTE band 12 idle, Set.4

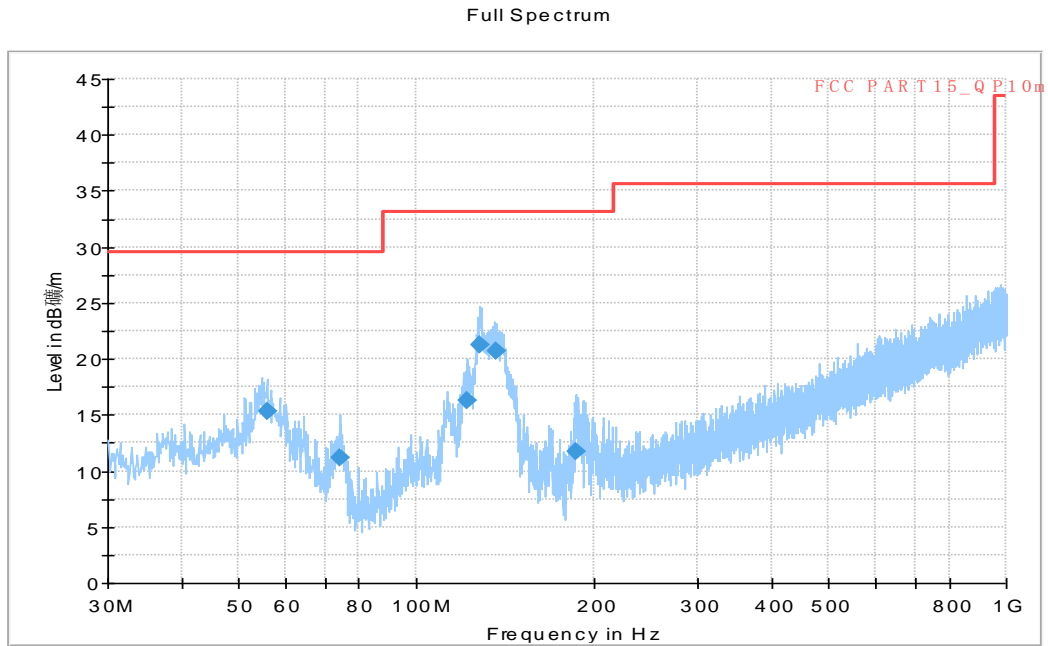


Figure A.5 Radiated Emission from 30MHz to 1GHz

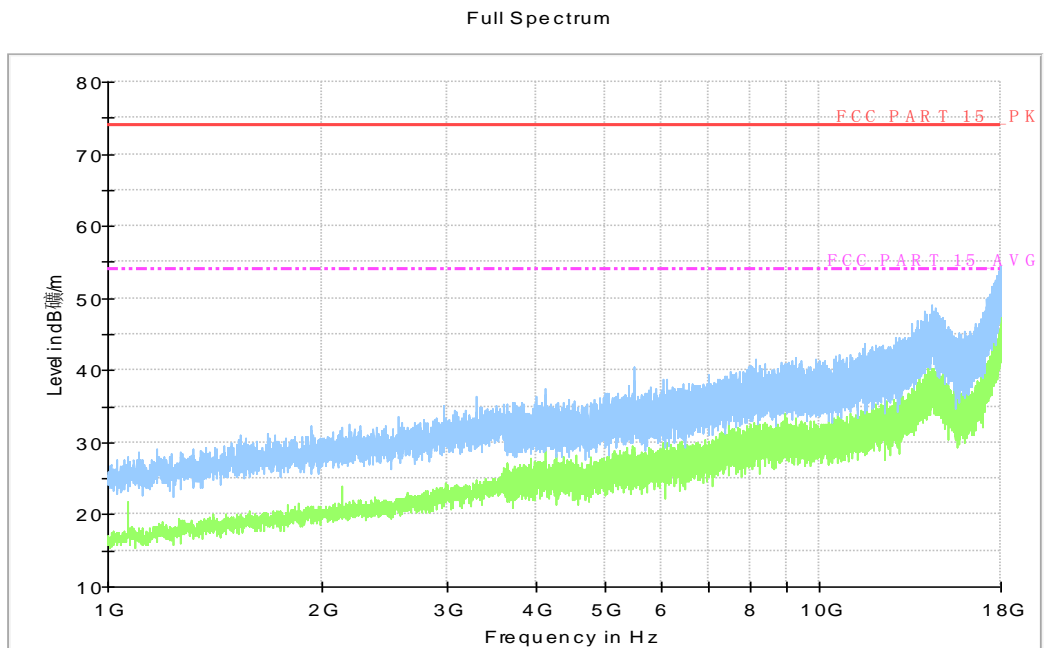


Figure A.6 Radiated Emission from 1GHz to 18GHz

LTE band 13 idle, Set.4

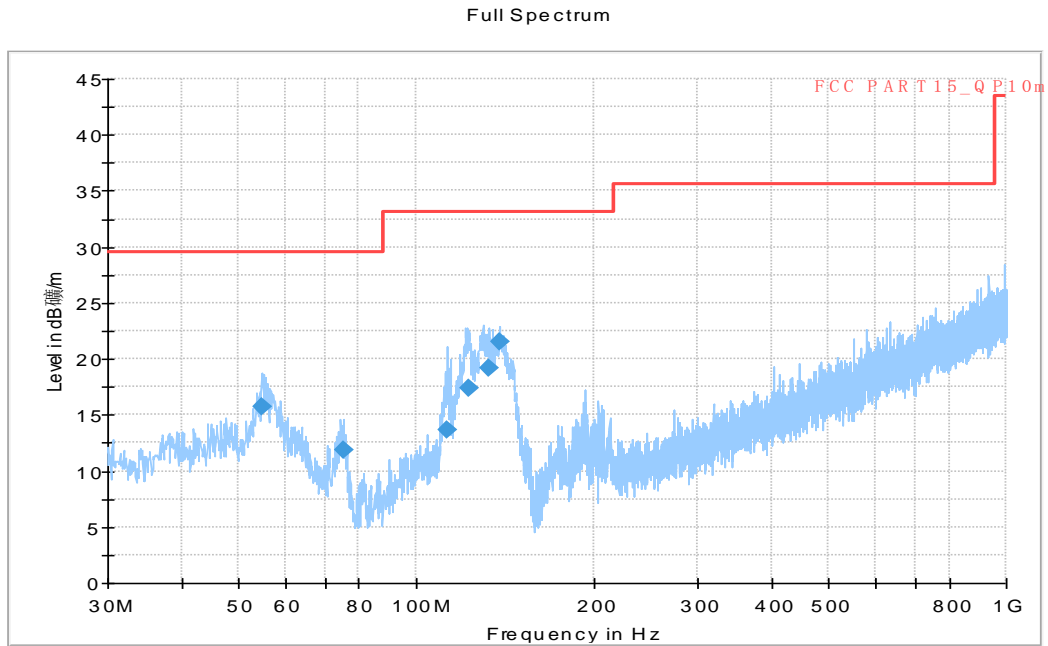


Figure A.7 Radiated Emission from 30MHz to 1GHz

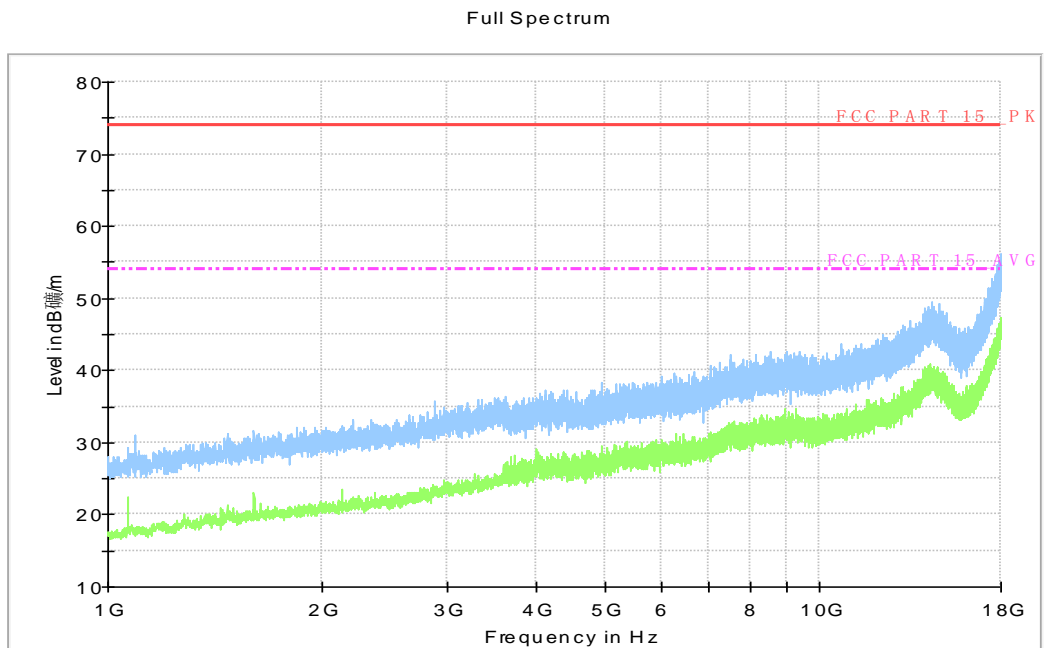


Figure A.8 Radiated Emission from 1GHz to 18GHz

LTE band 17 idle, Set.4

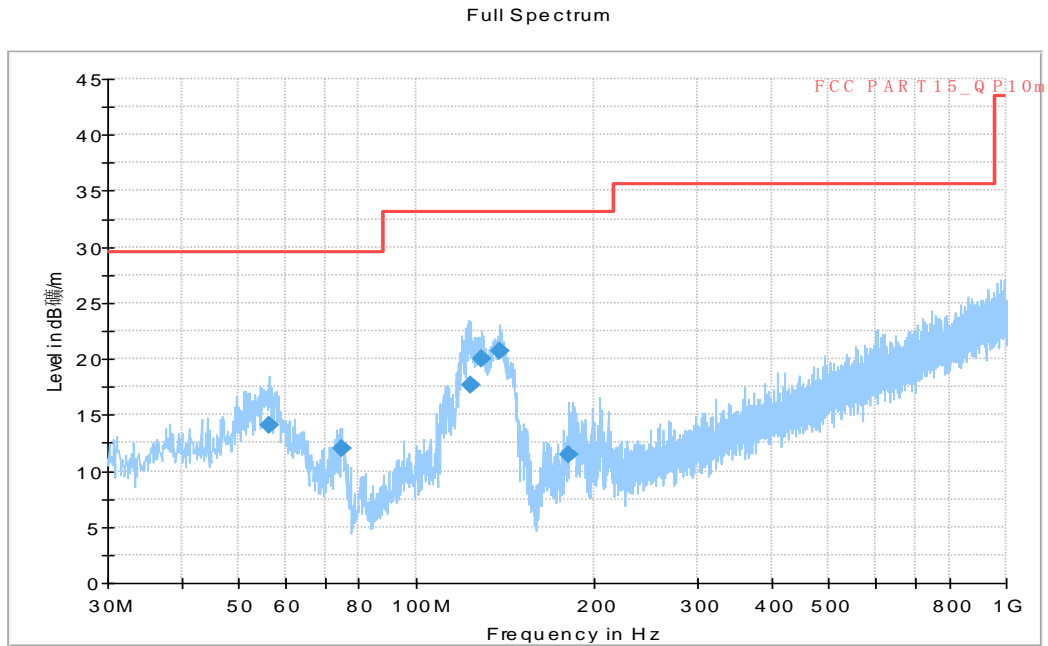


Figure A.9 Radiated Emission from 30MHz to 1GHz

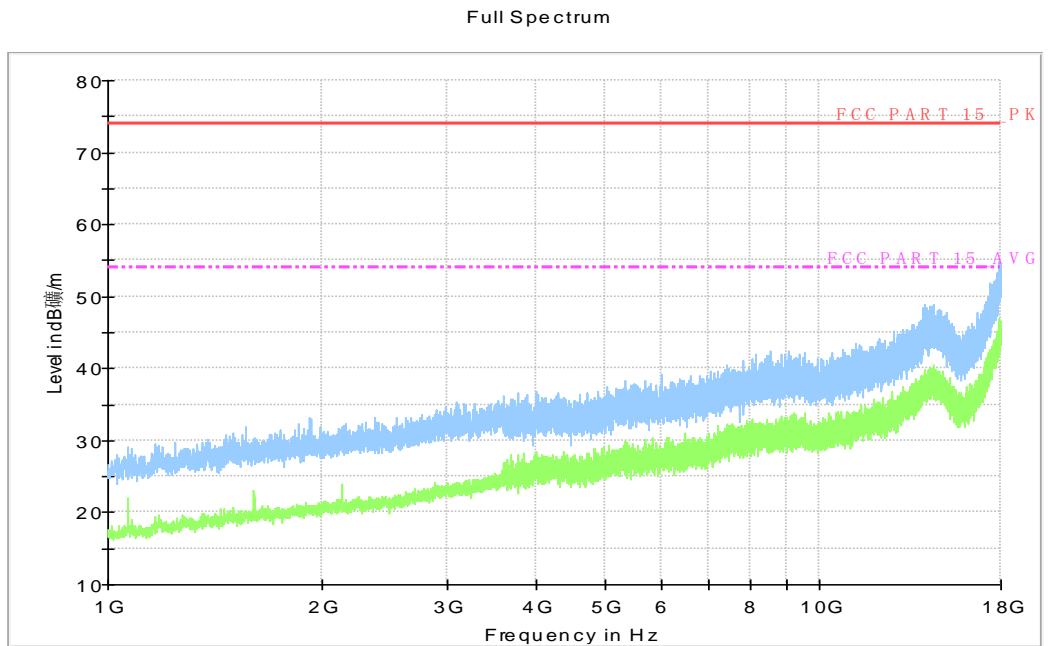


Figure A.10 Radiated Emission from 1GHz to 18GHz

WLAN and telephone, Set.4

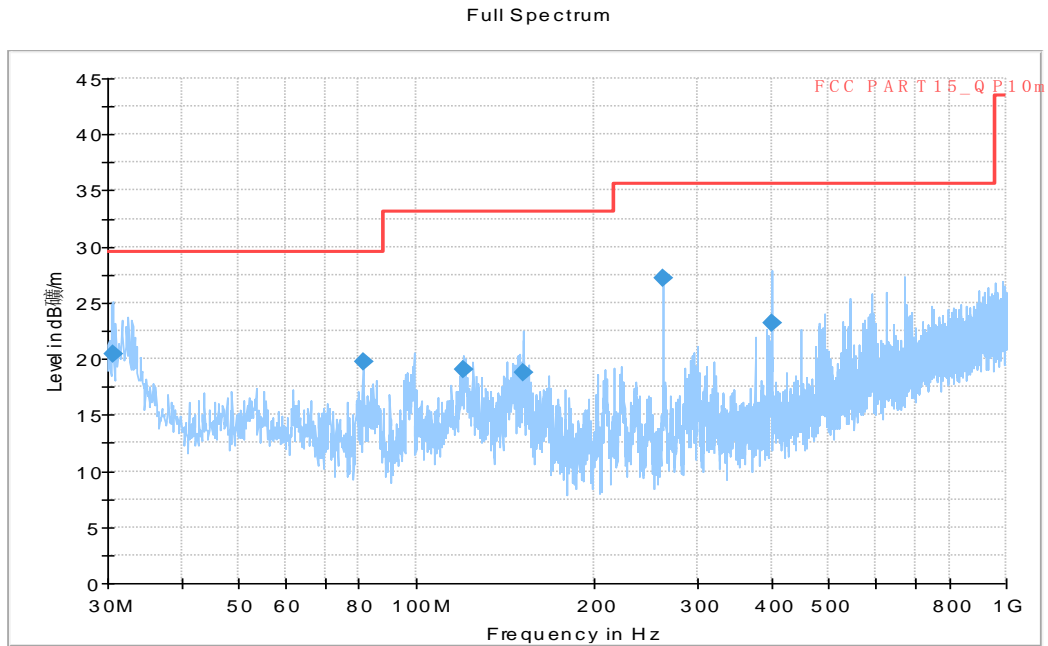


Figure A.11 Radiated Emission from 30MHz to 1GHz

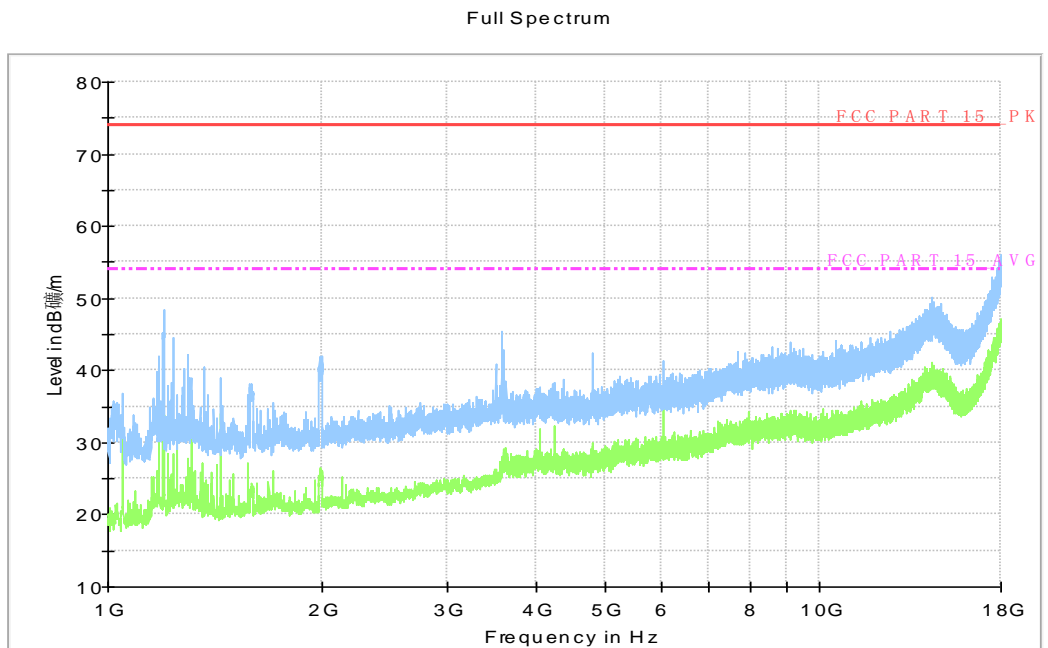


Figure A.12 Radiated Emission from 1GHz to 18GHz

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, WLAN transfer mode and telephone 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 (dB μ V)	
	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: $U=3.08\text{dB}$, $k=2$.

GSM850MHz idle, Set.4

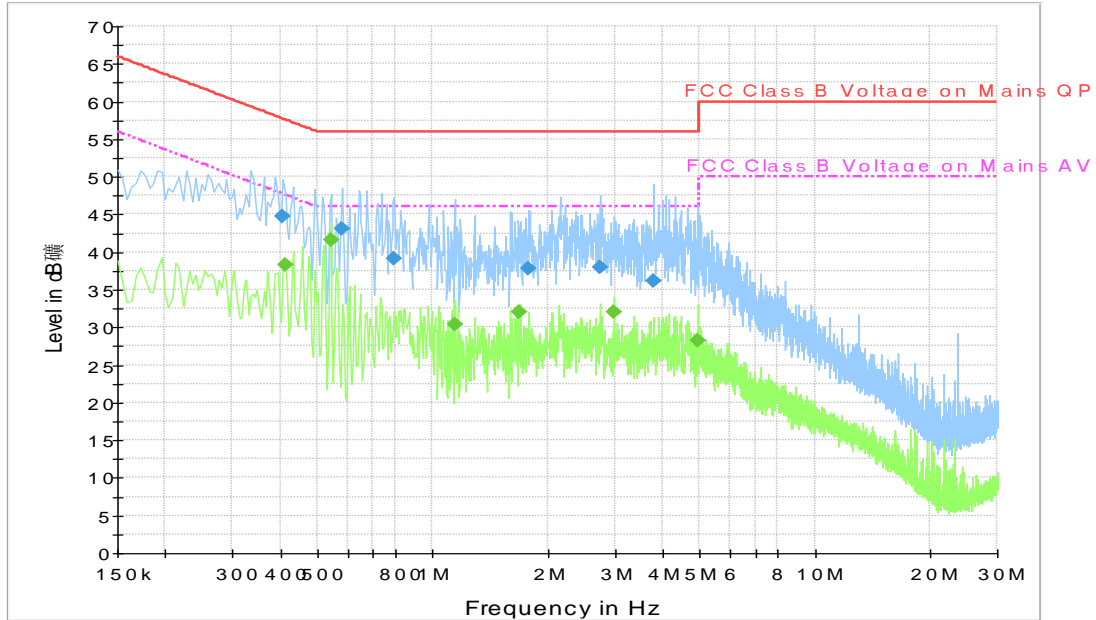


Figure A.13 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dB μ V)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.406500	44.8	L1	19.9	13.0	57.7
0.582000	43.1	L1	19.8	12.9	56.0
0.793500	39.2	L1	19.7	16.8	56.0
1.788000	37.9	L1	19.5	18.1	56.0
2.751000	37.9	L1	19.5	18.1	56.0
3.795000	36.1	L1	19.5	19.9	56.0

Final Result 2

Frequency (MHz)	CAverage (dB μ V)	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)
0.411000	38.2	L1	19.9	9.4	47.6
0.541500	41.5	L1	19.9	4.5	46.0
1.144500	30.4	L1	19.5	15.6	46.0
1.680000	32.1	L1	19.5	13.9	46.0
2.976000	32.0	L1	19.5	14.0	46.0
4.956000	28.2	L1	19.6	17.8	46.0

WLAN and Telephone, Set.4

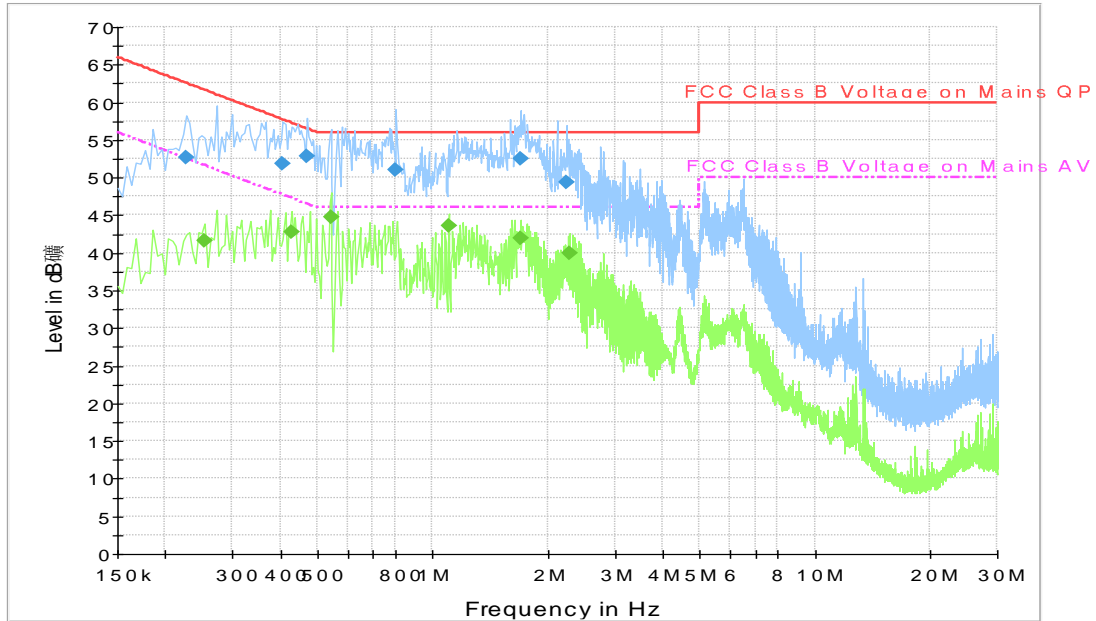


Figure A.14 Conducted Emission

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.226500	52.7	L1	20.0	9.8	62.6
0.406500	51.9	L1	19.9	5.9	57.7
0.469500	52.9	L1	19.9	3.6	56.5
0.802500	51.0	L1	19.6	5.0	56.0
1.702500	52.4	L1	19.5	3.6	56.0
2.242500	49.3	L1	19.5	6.7	56.0

Final Result 2

Frequency (MHz)	CAverage (dBμV)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.253500	41.6	L1	20.0	10.0	51.6
0.429000	42.8	L1	19.9	4.5	47.3
0.541500	44.8	L1	19.9	1.2	46.0
1.099500	43.6	L1	19.5	2.4	46.0
1.693500	41.9	L1	19.5	4.1	46.0
2.278500	40.0	L1	19.5	6.0	46.0

ANNEX B: Persons involved in this testing

Test Item	Tester
Conducted Continuous Emission	Yang Mengke
Radiated Continuous Emission	Wang Huan

*****END OF REPORT*****