Prüfbericht-Nr.: *Test report no.:*	**CN21E38L 001**	**Auftrags-Nr.:** *Order no.:*	**168316688**	Seite 1 von 17 *Page 1 of 17*
Kunden-Referenz-Nr.: *Client reference no.:*	**N/A**	**Auftragsdatum:** *Order date:*	2021-03-07	
Auftraggeber: *Client:*	Hermès Sellier 24 rue du Faubourg Saint-Honoré, 75008 Paris, France			
Prüfgegenstand: *Test item:*	Powerbank Volt'H Maxi, Powerbank Volt'H Mini			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	VOLTHMAXI, VOLTHMINI			
Auftrags-Inhalt: *Order content:*	Test report			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209		RSS-Gen Issue 5 March 2019 RSS-216 issue 2 Janyary 2016	

Wareneingangsdatum: *Date of sample receipt:*	2021-04-16	Please refer to Photo Document
Prüfmuster-Nr.: *Test sample no:*	A003028112-007,008 A003034056-001~002 A003028942-001~005 A003032287-005~008	
Prüfzeitraum: *Testing period:*	2021-04-17 – 2021-05-07	
Ort der Prüfung: *Place of testing:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüfergebnis*: *Test result*:*	Pass	

geprüft von: *tested by:*	X Alex Lan Signed by: Alex Lan	**genehmigt von:** *authorized by:*	X Lin Lin Signed by: Lin Lin
Datum: *Date:* 2021-08-16		**Ausstellungsdatum:** *Issue date:* 2021-08-16	
Stellung */ Position:*	Senior Project Engineer	**Stellung** */ Position:*	Reviewer
Sonstiges */ Other:*	FCC ID: 2AZI9-VOLTHPB IC: 27146-VOLTHPB HVIN: 0007421, 0007431		

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
** Legend:*	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

Test Summary

5.1.1 ANTENNA REQUIREMENT
RESULT: Pass

5.1.2 99% BANDWIDTH
RESULT: Pass

5.1.3 20DB BANDWIDTH
RESULT: Pass

5.1.4 RADIATED SPURIOUS EMISSION
RESULT: Pass

5.1.5 CONDUCTED EMISSION ON AC MAINS
RESULT: Pass

Table of Contents

1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Photographs of the Test Set-up

Appendix B: Test Results of Maxi Powerbank.

Appendix C: Test Results of Mini Powerbank

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.
362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of China

FCC Accreditation Designation No.: CN1260
ISED wireless device testing laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Unwanted Emission Testing (TS9975)				
Equipment	**Manufacturer**	**Model**	**Serial No.**	**Cal. until**
EMI Test Receiver	R&S	ESR 7	102021	2021-08-11
Signal Analyzer	R&S	FSV 40	101439	2021-08-10
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	2021-08-10
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2021-08-10
Amplifier	R&S	SCU-18F	180070	2021-08-10
Amplifier	R&S	SCU40A	100475	2021-09-10
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2022-08-08
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2022-08-08
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2022-08-08
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2022-09-13
Wideband Ridged Horn Antenna (12-18 GHz)	Steatite	QMS-00208	18313	2021-09-02
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2021-07-06

Conducted Emission				
Equipment	**Manufacturer**	**Model No.**	**Serial No.**	**Cal. Until**
EMI Test Receiver	R&S	ESR3	102680	2021-05-19
Artificial Mains Network	R&S	ENV216	101445	2021-05-19
Artificial Mains Network	R&S	ENV432	101546	2021-05-19
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Parameter	Uncertainty
Radiated Emission of Transmitter, valid up to 26.5 GHz	±6 dB
Radiated Emission of Receiver, valid up to 26.5 GHz	±6 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	±3.70 dB / ±3.30 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B & C of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUTs are a Powerbank which supports wireless charging (WPT) technology, and according to the size of enclosure and battery capacity, it have two models: Maxi Powerbank and Mini Powerbank:

The electrical circuit design, PCB layout and components used are identical for Maxi Powerbank and Mini Powerbank, only the size, color of enclosure and battery capacity are different.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	**Value**
FCC ID:	2AZI9-VOLTHPB
IC:	27146-VOLTHPB
Operating Voltage:	Maxi Powerbank: Type-C Input: DC 5V, 3A or DC 9V, 2.22A Type-C Output: DC 5V, 3A or DC 9V, 2.22A DC 7.7V, 4200mAh via internal battery Mini Powerbank: Type-C Input: DC 5V, 2A or DC 9V, 2.22A Type-C Output: DC 5V, 2A or DC 9V, 1.11A DC 7.7V, 650mAh via internal battery
Testing Voltage:	AC 120V, 60Hz
Technical Specification of WPT	
Frequency Range:	120~205KHz
Type of Modulation:	FSK
Wireless output:	Maxi Powerbank: 10W maximum Mini Powerbank: 7.5W maximum

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Wireless discharging mode
B. On, Charging mode
C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- ID Label and Location Info

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.2, all tests were performed on model *VOLTHMAXI and VOLTHMINI* in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 3: Auxiliary Equipment Used during Test

Description	Manufacturer	Model	S/N	Rating
Mobile Phone	Xiaomi	Xiaomi 9	22012/29QZ02339	20W max wireless charging
Mobile Phone	Xiaomi	Redmi 9	21965/sond00137	N/A
GaN Fast Charger (3C1A) set	UGREEN	CD224	80766	Input: AC 100-240V, 50/60Hz, 1.8A max

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 30MHz)

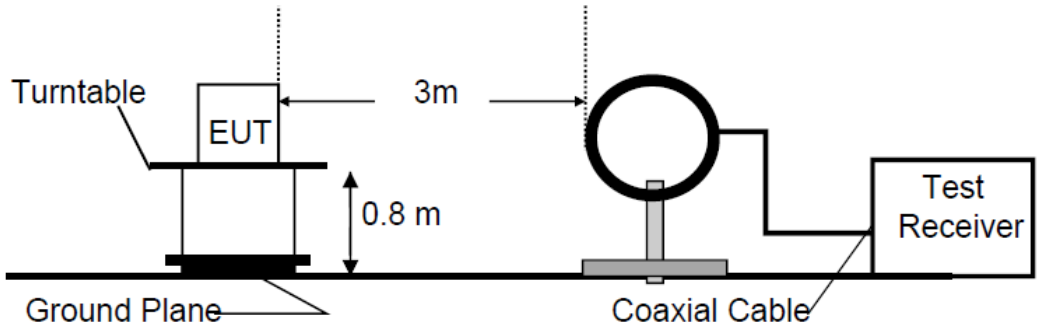


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

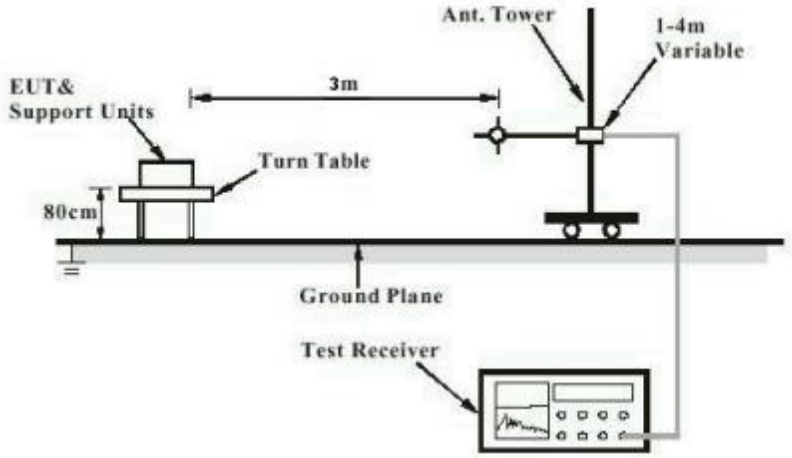


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

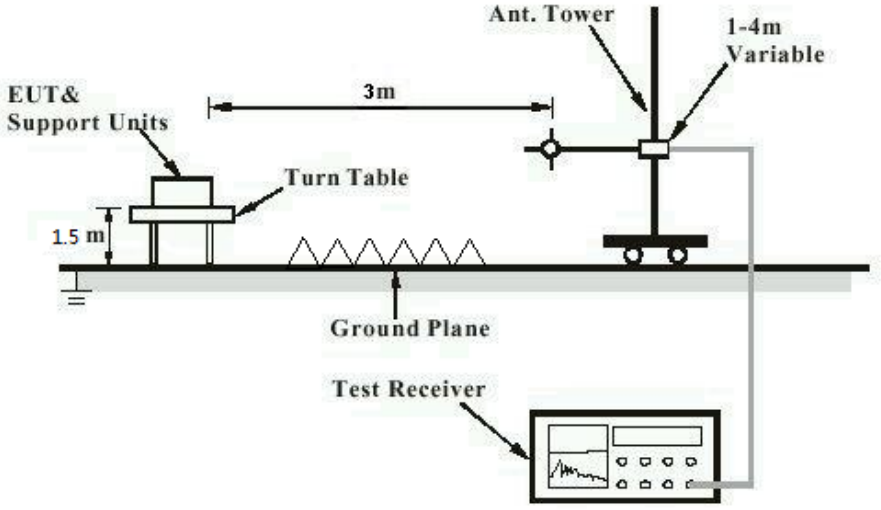
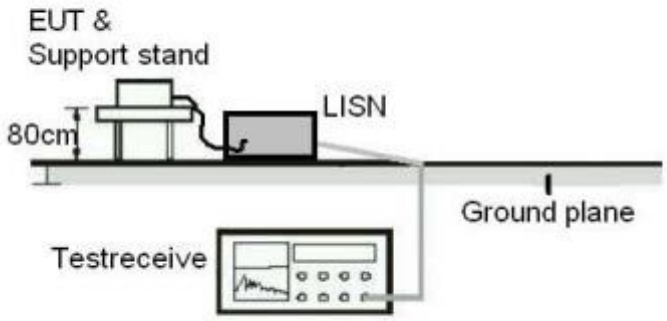


Diagram of Measurement Configuration for Mains Conduction Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.203 RSS-Gen Clause 6.8
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal antenna, and the antenna is permanent attachment and no consideration of replacement.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 99% Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	RSS-Gen Clause 6.7
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2021-04-27
Input voltage	:	AC 120V, 60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	23 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B & C.

5.1.3 20dB Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.215(c)
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2021-04-27
Input voltage	:	AC 120V, 60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	23 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B & C.

5.1.4 Radiated Spurious Emission

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.209 & 15.205 RSS-216 Clause 6.2.2.2
Basic standard	:	ANSI C63.10: 2013
Limits	:	Refer to 15.209(a) RSS-216 Clause 6.2.2.2 & 6.2.3
Kind of test site	:	3m Semi-anechoic Chamber

Test Setup

Date of testing	:	2021-04-27 ~ 2021-05-06
Input voltage	:	AC 120V, 60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	23 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B & C.

Measurements are to be taken in dBuV/m, corrected, and the end result shall be mathematically converted to the dBuA/m for RSS and presented against the correct limit.
E [dBμA/m] = AF [dBS/m] + V [dBμV] + Cable loss [dB]
E [dBμA/m] is the magnetic field strength (Final Test results)
AF [dBS/m] is the magnetic antenna factor of the antenna (H-field)
V [dBμV] is the reading level on the spectrum analyzer
Note that when using the AF [dBS/m] the 51.5 dB is already account for into the antenna factor.

5.1.5 Conducted Emission on AC Mains

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.207 RSS-216 Clause 6.2
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	150KHz - 30MHz
Limits	:	FCC Part 15.207(a) RSS-216 Clause 6.2.2.1
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2021-04-20
Input voltage	:	AC 120V, 60Hz
Operation mode	:	A+ B
Earthing	:	Not connected
Ambient temperature	:	23.1 ℃
Relative humidity	:	52 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B & C.

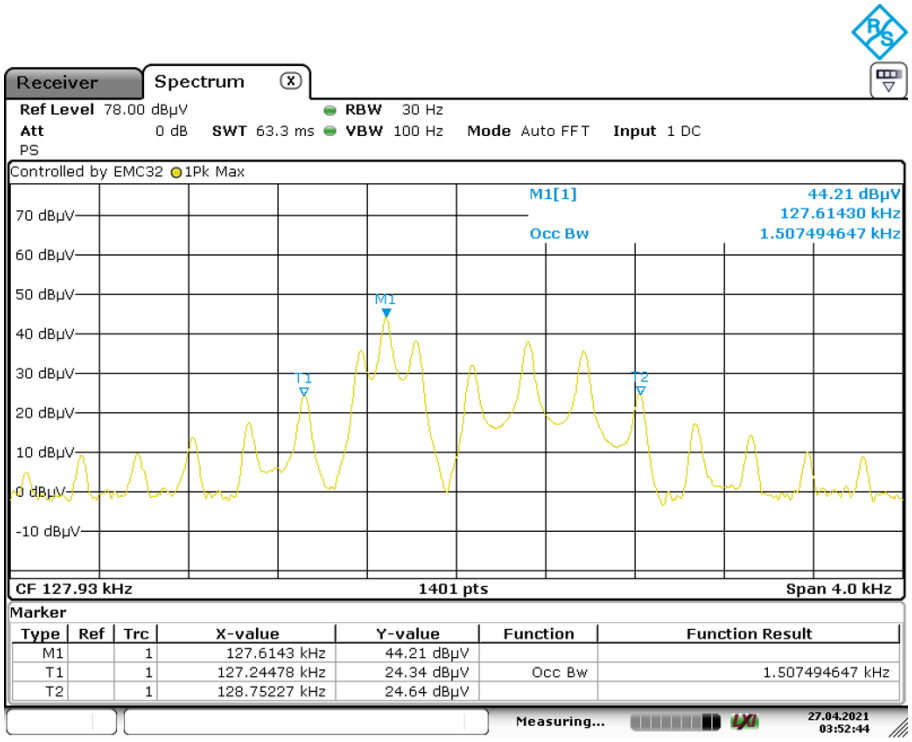
6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

7 List of Tables

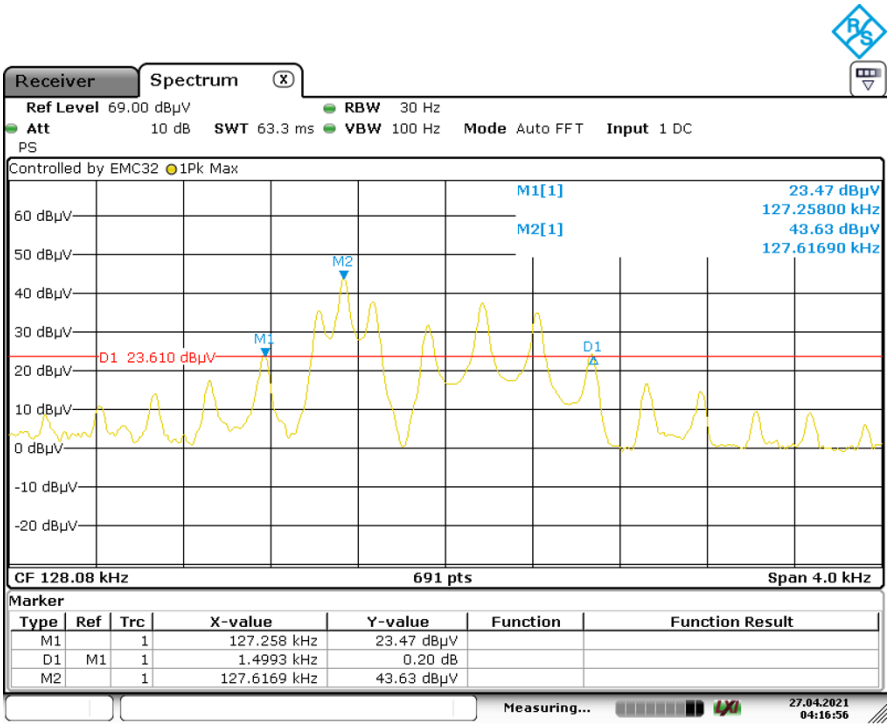
Appendix B: Test Results of Maxi Powerbank

Appendix B.1: Test Plots of 99% Bandwidth



Date: 27.APR.2021 03:52:45

Appendix B.2: Test Plots of 20dB Bandwidth



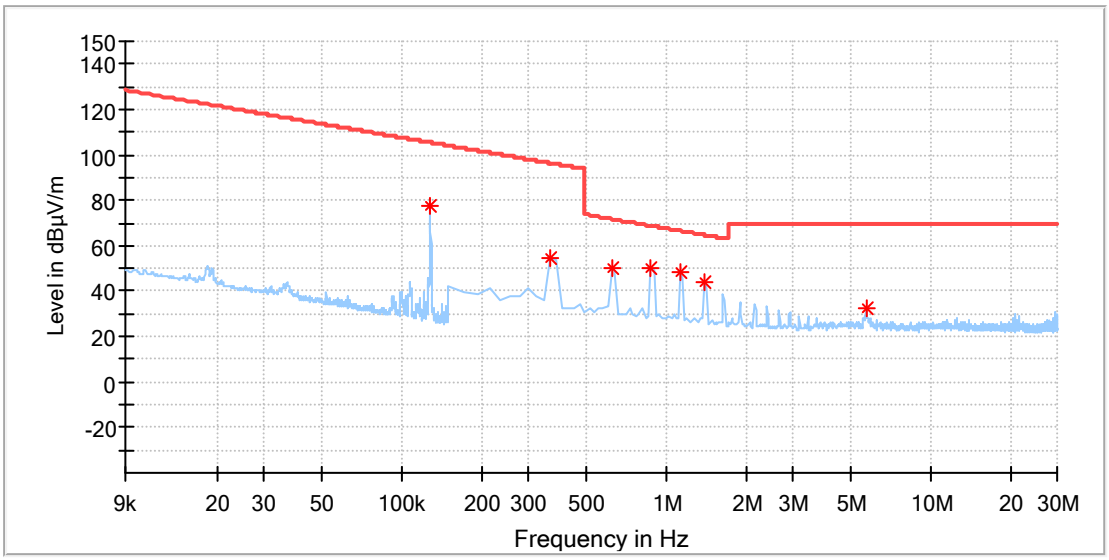
Date: 27.APR.2021 04:16:56

Appendix B.3: Test Plots of Radiated Spurious Emission

9kHz-30MHz

EUT Information

EUT Name:	Powerbank Volt'H Maxi
Model:	VOLTHMAXI
Test Mode:	Charging
Test Voltage::	AC 120V/60Hz
Remark:	Temp 23 Humi:55%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

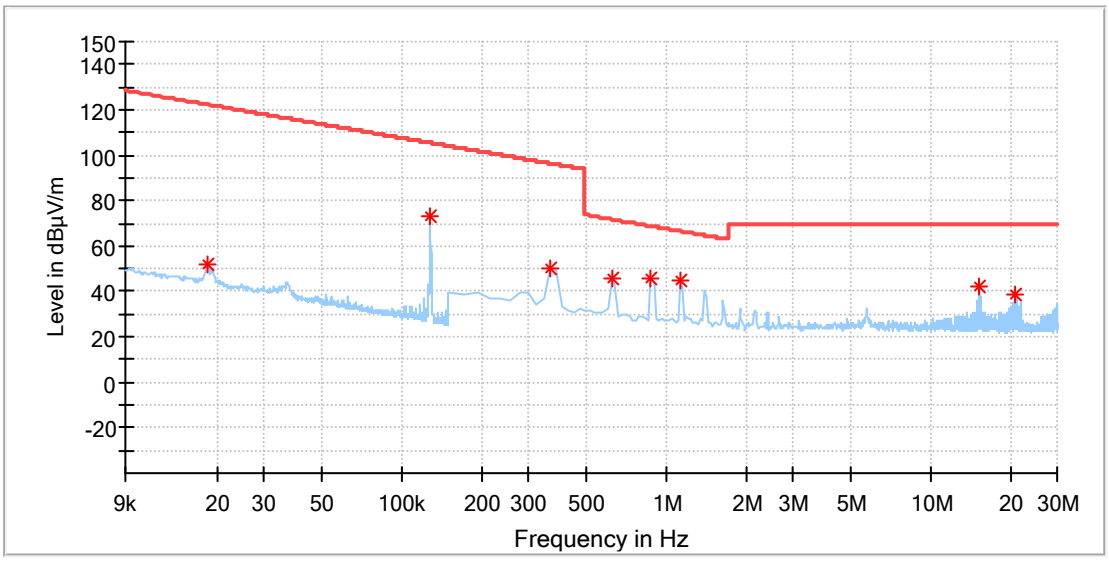


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.127641	77.28	105.48	28.19	100.0	X	286.0	20.1
0.363214	54.45	96.40	41.95	100.0	X	287.0	20.1
0.619072	50.34	71.78	21.43	100.0	X	100.0	20.1
0.874929	50.53	68.78	18.25	100.0	X	287.0	20.1
1.130786	48.51	66.56	18.05	100.0	X	100.0	20.1
1.386643	44.23	64.79	20.56	100.0	X	287.0	20.1
5.693572	32.73	69.50	36.77	100.0	X	123.0	20.3

EUT Information

EUT Name:	Powerbank Volt'H Maxi
Model:	VOLTHMAXI
Test Mode:	Charging
Test Voltage::	AC 120V/60Hz
Remark:	Temp 23 Humi:55%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

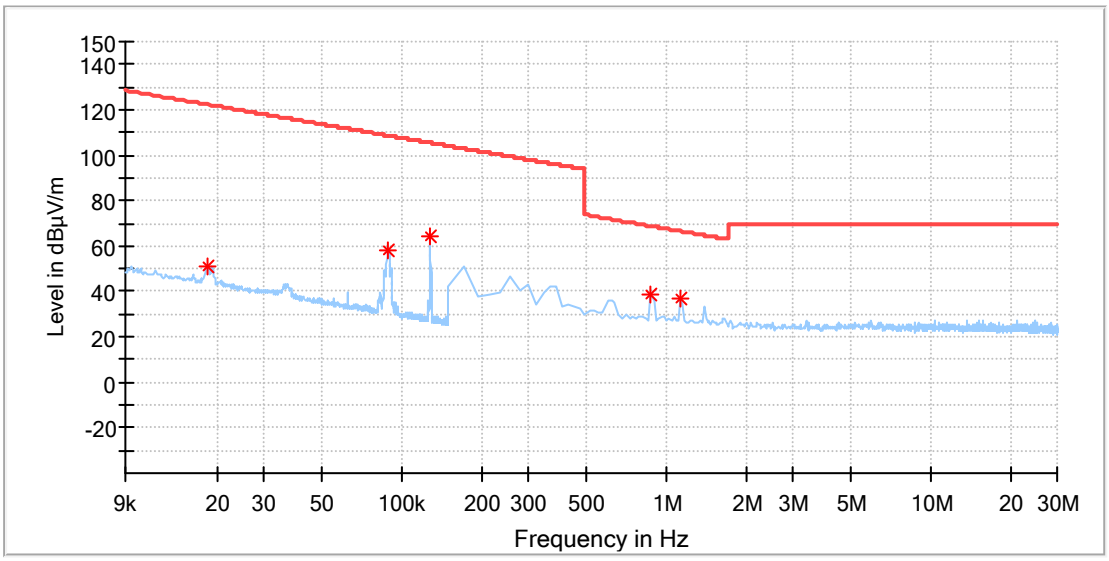


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018366	51.66	122.31	70.65	100.0	Y	315.0	20.1
0.127641	73.38	105.48	32.10	100.0	Y	25.0	20.1
0.363214	49.88	96.40	46.52	100.0	Y	4.0	20.1
0.619072	45.38	71.78	26.40	100.0	Y	4.0	20.1
0.874929	45.73	68.78	23.05	100.0	Y	4.0	20.1
1.130786	44.64	66.56	21.92	100.0	Y	4.0	20.1
15.309536	42.36	69.50	27.14	100.0	Y	312.0	20.5
20.938393	38.98	69.50	30.52	100.0	Y	336.0	20.6

EUT Information

EUT Name:	Powerbank Volt'H Maxi
Model:	VOLTHMAXI
Test Mode:	Charging
Test Voltage::	AC 120V/60Hz
Remark:	Temp 23 Humi:55%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



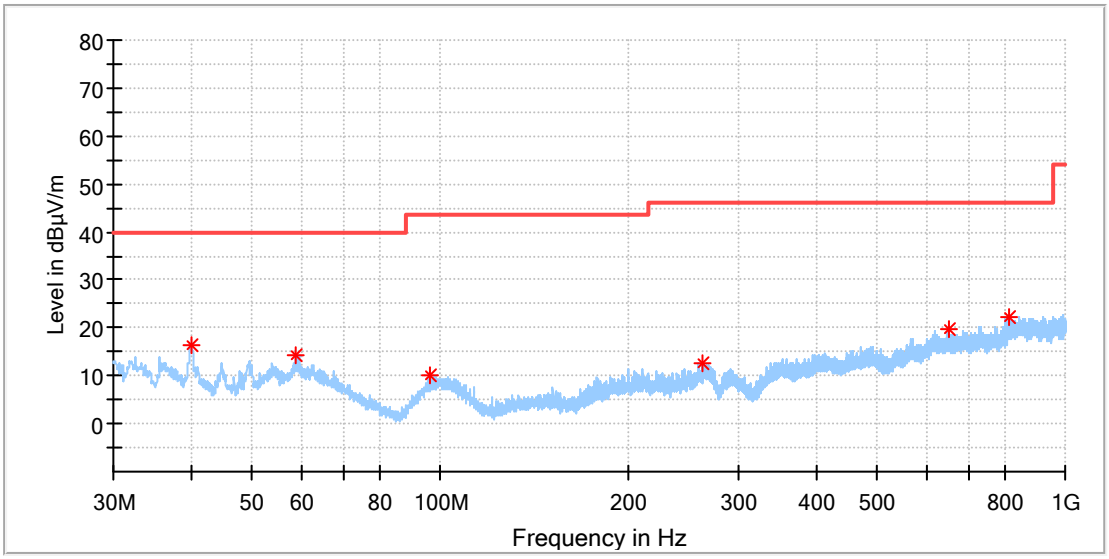
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018366	51.17	122.31	71.14	100.0	Z	0.0	20.1
0.088262	58.09	108.68	50.59	100.0	Z	312.0	20.1
0.127641	64.45	105.48	41.03	100.0	Z	356.0	20.1
0.874929	38.55	68.78	30.22	100.0	Z	0.0	20.1
1.130786	37.16	66.56	29.40	100.0	Z	0.0	20.1

30MHz-1GHz

EUT Information

EUT Name:	Powerbank Volt'H Maxi
Model:	VOLTHMAXI
Test Mode:	Charging
Test Voltage::	AC 120V/60Hz
Remark:	Temp 23 Humi:55%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

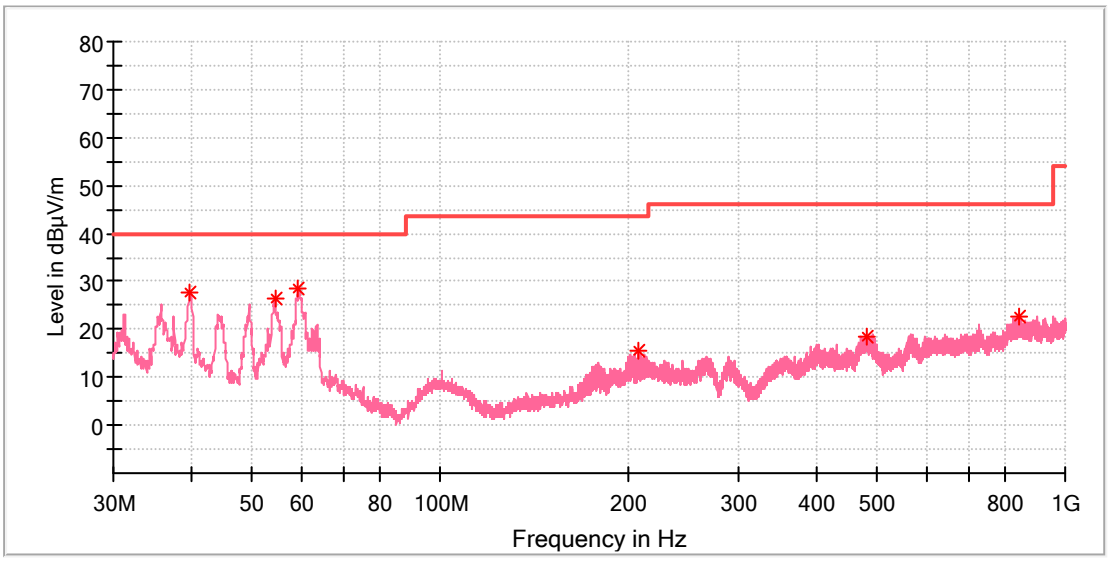


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
40.039500	16.52	40.00	23.48	100.0	H	319.0	-20.4
58.760500	14.17	40.00	25.83	100.0	H	25.0	-19.2
96.542000	9.88	43.50	33.62	100.0	H	0.0	-19.8
263.721500	12.56	46.00	33.44	100.0	H	226.0	-17.4
653.273500	19.60	46.00	26.40	100.0	H	167.0	-9.3
811.723000	22.25	46.00	23.75	100.0	H	147.0	-6.5

EUT Information

EUT Name:	Powerbank Volt'H Maxi
Model:	VOLTHMAXI
Test Mode:	Charging
Test Voltage::	AC 120V/60Hz
Remark:	Temp 23 Humi:55%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

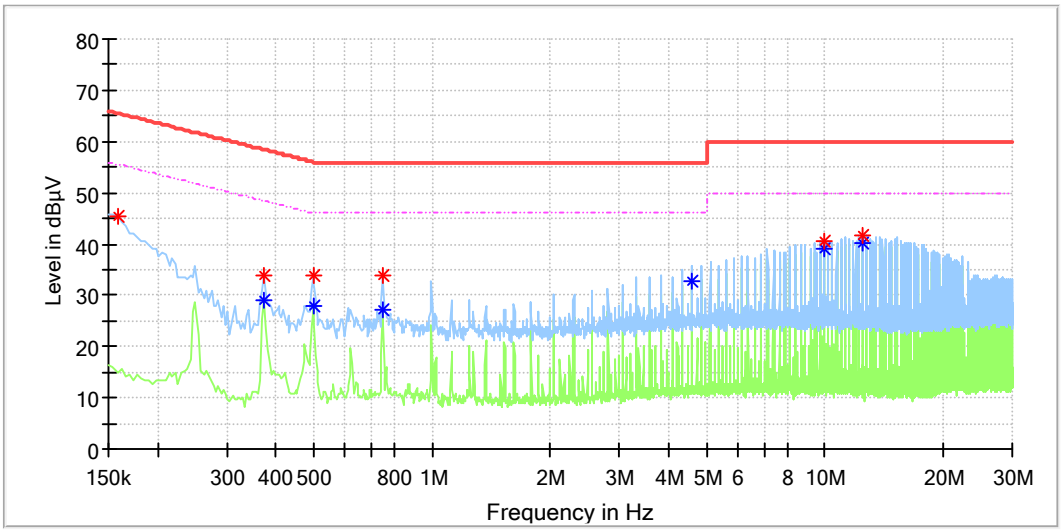
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.845500	27.81	40.00	12.19	100.0	V	31.0	-20.5
54.492500	26.61	40.00	13.39	100.0	V	146.0	-18.7
59.342500	28.60	40.00	11.40	100.0	V	63.0	-19.2
207.219000	15.38	43.50	28.12	100.0	V	250.0	-19.2
483.038500	18.58	46.00	27.42	100.0	V	0.0	-12.5
845.527500	22.73	46.00	23.27	100.0	V	355.0	-6.0

Appendix B.4: Test Plots of Conducted Emission on AC Mains for FCC Part 15C

Charging mode+Wireless discharging mode

EUT Information

EUT Name:	Powerbank Volt'H Maxi
Model:	VOLTHMAXI
Test Model:	Charging mode+Wireless discharging mode
Test Voltage:	AC AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	SR2

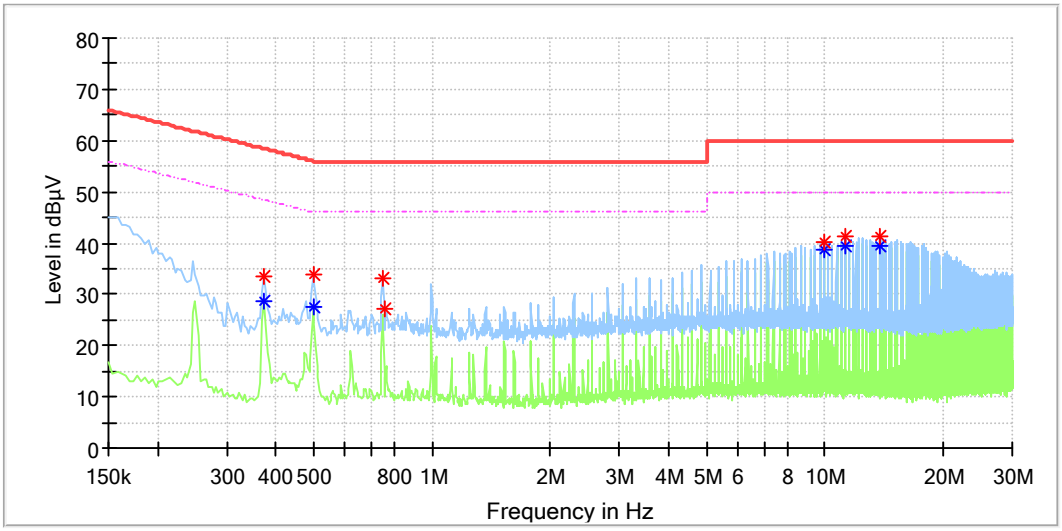


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.158000	45.50	---	65.57	20.07	L1	9.9
0.374000	33.79	---	58.41	24.62	L1	9.9
0.374000	---	29.11	48.41	19.30	L1	9.9
0.498000	---	27.95	46.03	18.08	L1	10.0
0.498000	33.83	---	56.03	22.21	L1	10.0
0.746000	---	27.06	46.00	18.94	L1	10.0
0.746000	33.74	---	56.00	22.26	L1	10.0
4.594000	---	32.76	46.00	13.24	L1	10.2
9.954000	---	39.24	50.00	10.76	L1	10.3
9.954000	40.62	---	60.00	19.38	L1	10.3
12.506000	---	40.18	50.00	9.82	L1	10.3
12.506000	41.59	---	60.00	18.41	L1	10.3

EUT Information

EUT Name:	Powerbank Volt'H Maxi
Model:	VOLTHMAXI
Test Model:	Charging mode+Wireless discharging mode
Test Voltage:	AC AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	SR2

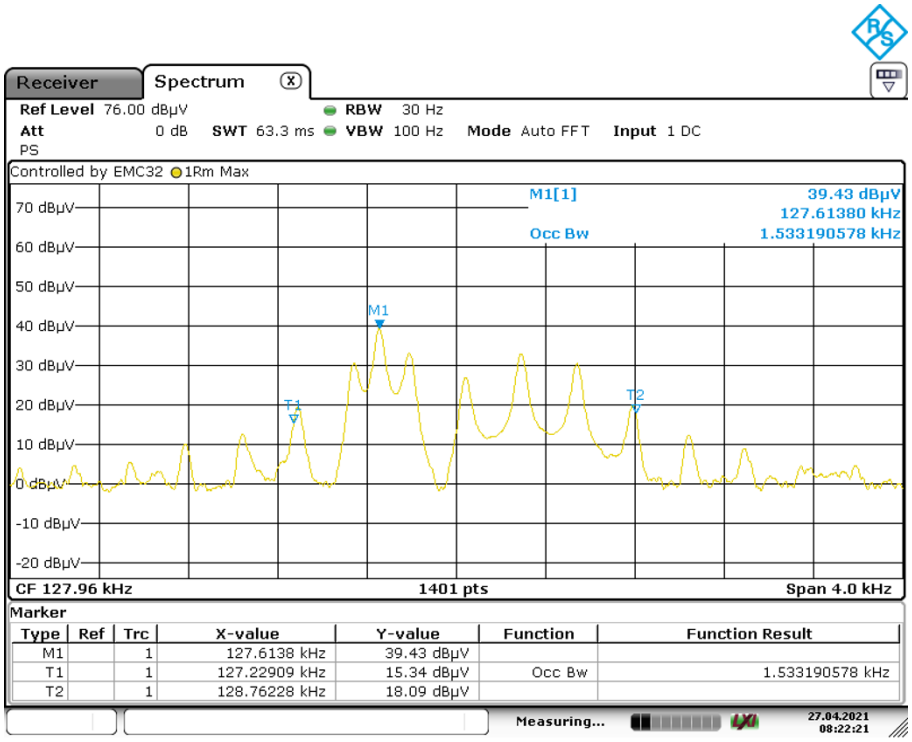


Critical_Freqs

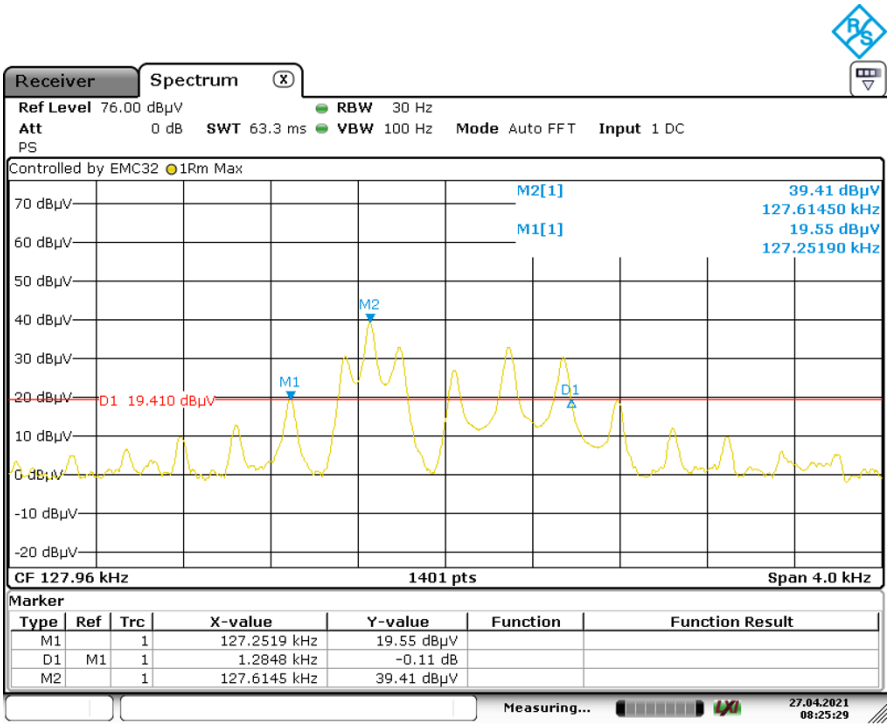
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.374000	33.33	---	58.41	25.08	N	9.8
0.374000	---	28.76	48.41	19.65	N	9.8
0.498000	---	27.47	46.03	18.57	N	9.8
0.498000	33.69	---	56.03	22.34	N	9.8
0.746000	33.14	---	56.00	22.86	N	9.8
0.754000	27.27	---	56.00	28.73	N	9.8
9.954000	---	38.66	50.00	11.34	N	10.0
9.954000	40.35	---	60.00	19.65	N	10.0
11.230000	41.29	---	60.00	18.71	N	10.0
11.230000	---	39.26	50.00	10.74	N	10.0
13.782000	---	39.55	50.00	10.45	N	10.1
13.782000	41.12	---	60.00	18.88	N	10.1

Appendix C: Test Results of Maxi Powerbank

Appendix C.1: Test Plots of 99% Bandwidth



Appendix C.2: Test Plots of 20dB Bandwidth



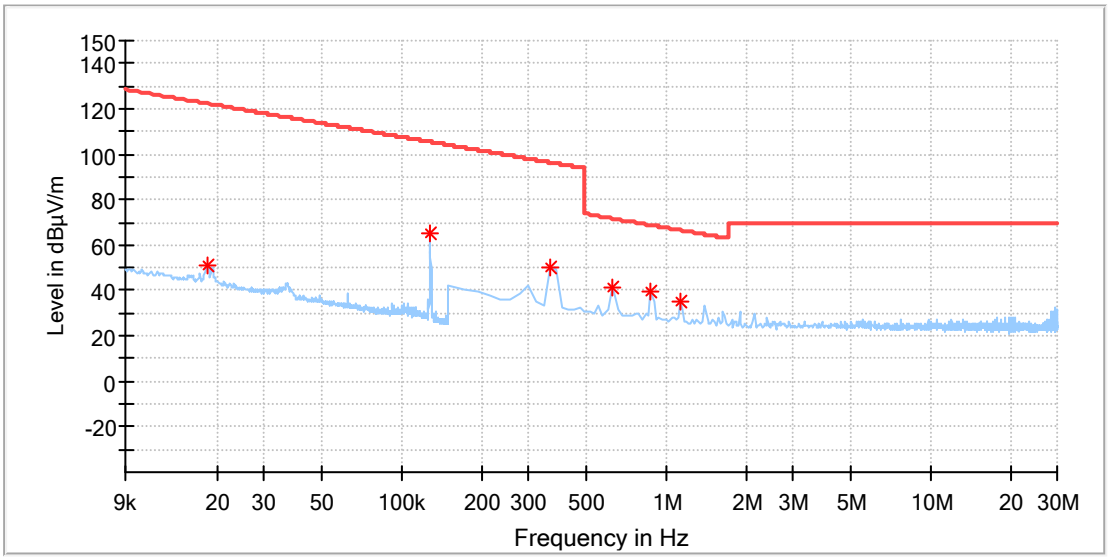
Date: 27.APR.2021 08:25:29

Appendix C.3: Test Plots of Radiated Spurious Emission

9kHz-30MHz

EUT Information

EUT Name:	Powerbank Volt'H Mini
Model:	VOLTHMINI
Test Mode:	Charging
Test Voltage::	AC 120V/60Hz
Remark:	Temp 23 Humi:55%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

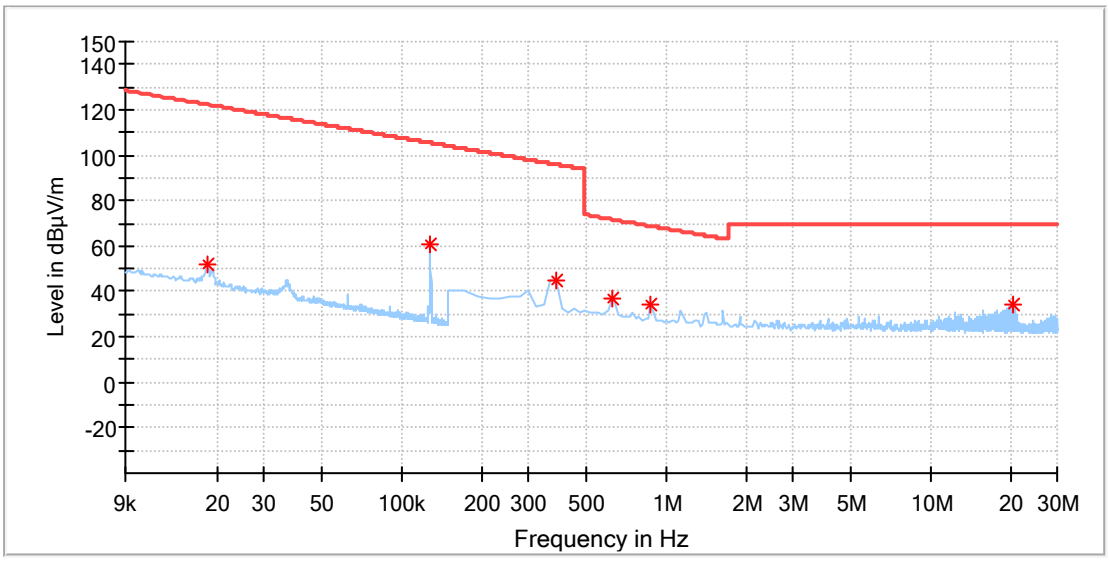


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018366	50.63	122.31	71.68	100.0	X	0.0	20.1
0.127641	65.28	105.48	40.20	100.0	X	144.0	20.1
0.363214	50.30	96.40	46.10	100.0	X	94.0	20.1
0.619072	41.06	71.78	30.71	100.0	X	306.0	20.1
0.874929	39.69	68.78	29.08	100.0	X	283.0	20.1
1.130786	35.14	66.56	31.42	100.0	X	260.0	20.1

EUT Information

EUT Name:	Powerbank Volt'H Mini
Model:	VOLTHMINI
Test Mode:	Charging
Test Voltage::	AC 120V/60Hz
Remark:	Temp 23 Humi:55%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

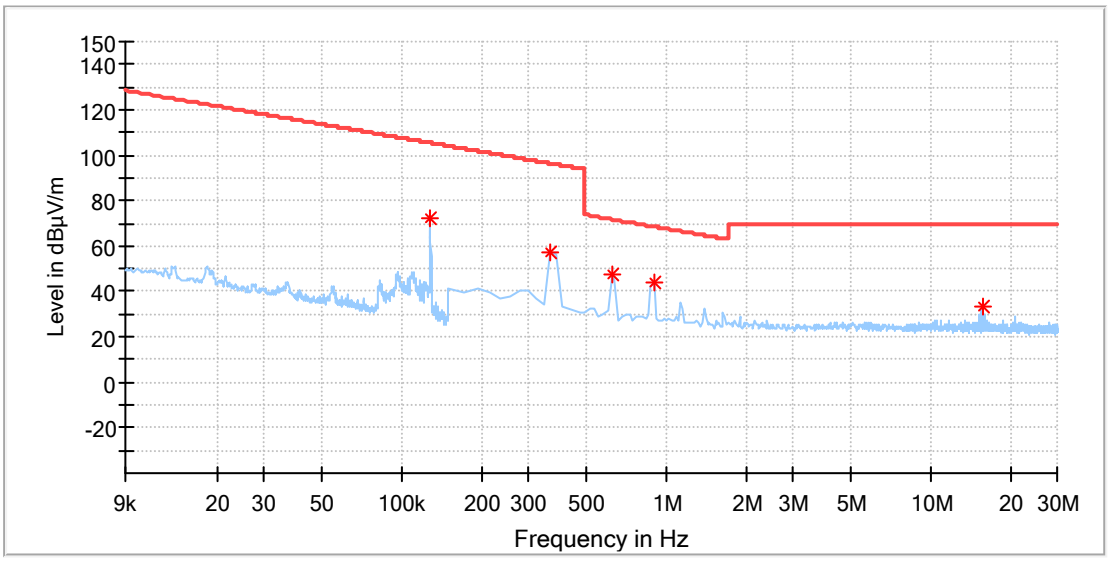


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.018366	51.57	122.31	70.73	100.0	Y	336.0	20.1
0.127641	60.95	105.48	44.52	100.0	Y	238.0	20.1
0.384536	44.94	95.90	50.96	100.0	Y	214.0	20.1
0.619072	36.47	71.78	35.30	100.0	Y	191.0	20.1
0.874929	34.52	68.78	34.26	100.0	Y	237.0	20.1
20.426679	34.37	69.50	35.13	100.0	Y	285.0	20.6

EUT Information

EUT Name:	Powerbank Volt'H Mini
Model:	VOLTHMINI
Test Mode:	Charging
Test Voltage::	AC 120V/60Hz
Remark:	Temp 23 Humi:55%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



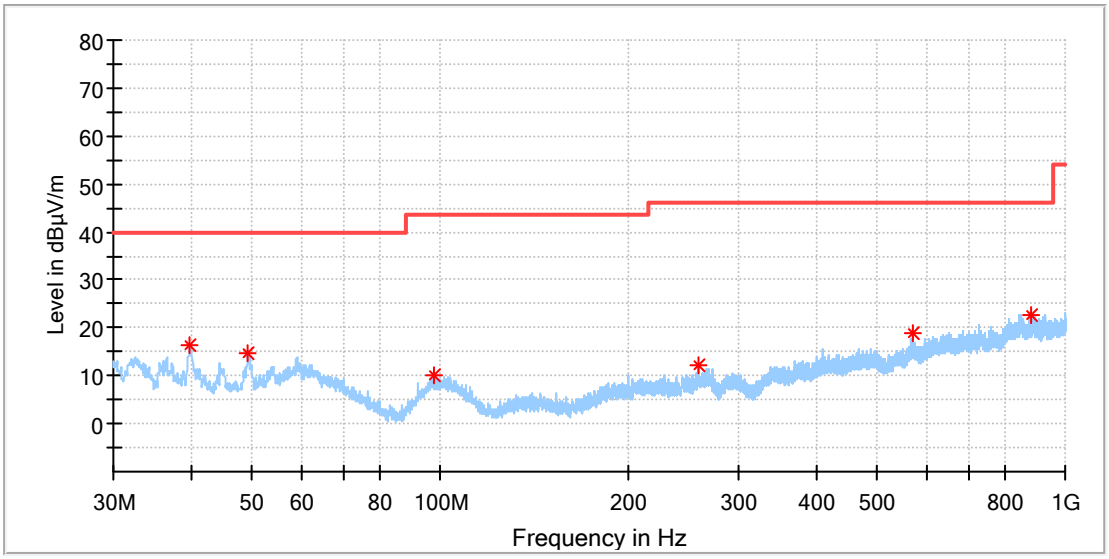
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
0.127641	72.35	105.48	33.13	100.0	Z	310.0	20.1
0.363214	57.20	96.40	39.20	100.0	Z	311.0	20.1
0.619072	47.15	71.78	24.63	100.0	Z	311.0	20.1
0.896250	43.59	68.57	24.98	100.0	Z	287.0	20.1
15.821250	33.75	69.50	35.75	100.0	Z	48.0	20.5

30MHz-1GHz

EUT Information

EUT Name:	Powerbank Volt'H Mini
Model:	VOLTHMINI
Test Mode:	Charging
Test Voltage::	AC 120V/60Hz
Remark:	Temp 23 Humi:55%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

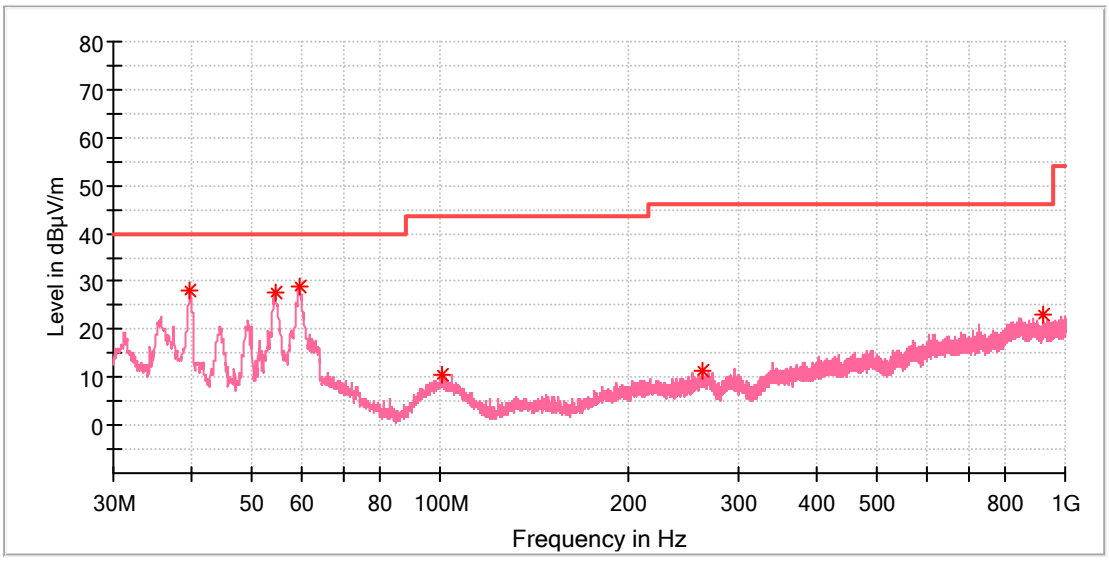


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.845500	16.25	40.00	23.75	100.0	H	24.0	-20.5
49.303000	14.57	40.00	25.43	100.0	H	200.0	-18.6
97.997000	10.25	43.50	33.25	100.0	H	6.0	-19.6
259.356500	11.98	46.00	34.02	100.0	H	320.0	-17.5
568.932000	18.89	46.00	27.11	100.0	H	54.0	-10.8
879.332000	22.85	46.00	23.15	100.0	H	347.0	-5.6

EUT Information

EUT Name:	Powerbank Volt'H Mini
Model:	VOLTHMINI
Test Mode:	Charging
Test Voltage::	AC 120V/60Hz
Remark:	Temp 23 Humi:55%
Test Standard:	FCC Part 15C
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

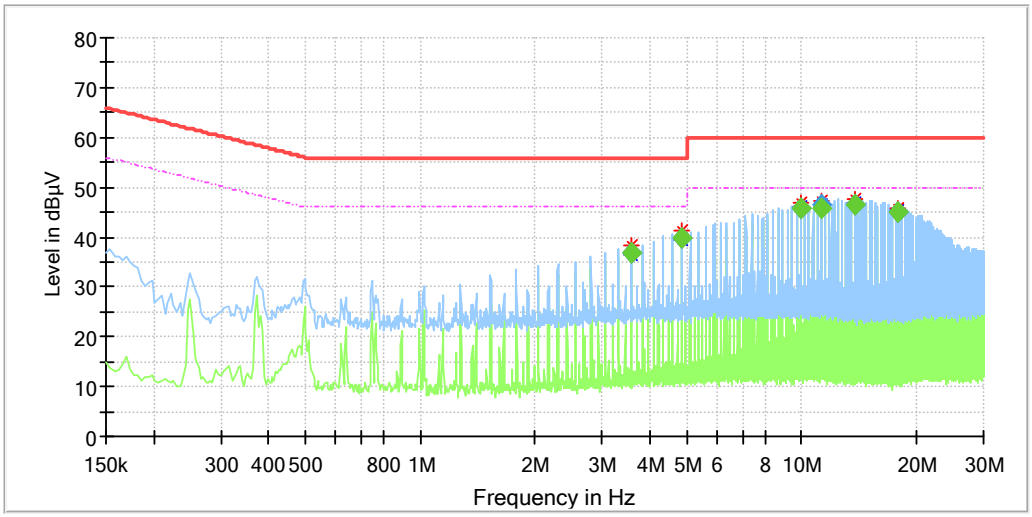
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
39.748500	27.93	40.00	12.07	100.0	V	236.0	-20.5
54.492500	27.51	40.00	12.49	100.0	V	60.0	-18.7
59.439500	28.84	40.00	11.16	100.0	V	328.0	-19.2
100.761500	10.52	43.50	32.98	100.0	V	178.0	-19.3
262.460500	11.28	46.00	34.72	100.0	V	355.0	-17.4
922.933500	23.22	46.00	22.78	100.0	V	226.0	-5.2

Appendix C.4: Test Plots of Conducted Emission on AC Mains for FCC Part 15C

Charging mode+Wireless discharging mode

EUT Information

EUT Name:	Powerbank Volt'H Mini
Model:	VOLTHMINI
Test Model:	Charging + wireless discharging
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	SR2



Critical_Freqs

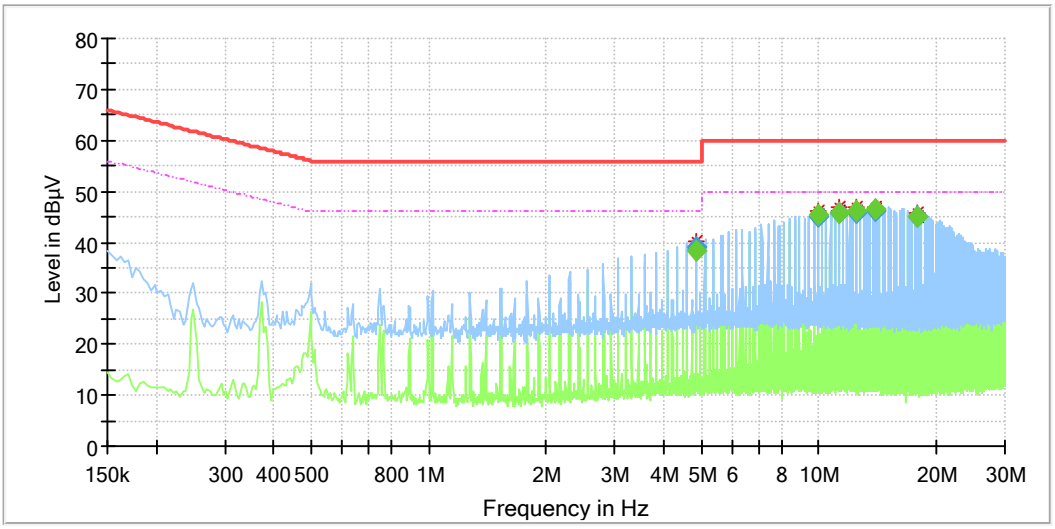
Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
3.573500	38.48	---	56.00	17.52	L1	10.2
3.573500	---	36.49	46.00	9.51	L1	10.2
4.849500	---	39.62	46.00	6.38	L1	10.2
4.849500	41.15	---	56.00	14.85	L1	10.2
9.953500	46.72	---	60.00	13.28	L1	10.3
9.953500	---	46.04	50.00	3.96	L1	10.3
11.229500	47.37	---	60.00	12.63	L1	10.3
11.229500	---	46.61	50.00	3.39	L1	10.3
13.781500	47.49	---	60.00	12.51	L1	10.4
13.781500	---	46.93	50.00	3.07	L1	10.4
17.865500	---	45.24	50.00	4.76	L1	10.4
17.865500	45.89	---	60.00	14.11	L1	10.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
3.573500	---	36.73	46.00	9.27	200.0	9.000	L1	10.2
3.573500	36.81	---	56.00	19.19	200.0	9.000	L1	10.2
4.849500	---	39.63	46.00	6.37	200.0	9.000	L1	10.2
4.849500	39.66	---	56.00	16.34	200.0	9.000	L1	10.2
9.953500	---	45.89	50.00	4.11	200.0	9.000	L1	10.3
9.953500	45.82	---	60.00	14.18	200.0	9.000	L1	10.3
11.229500	46.39	---	60.00	13.61	200.0	9.000	L1	10.3
11.229500	---	45.74	50.00	4.26	200.0	9.000	L1	10.3
13.781500	46.58	---	60.00	13.42	200.0	9.000	L1	10.4
13.781500	---	46.65	50.00	3.35	200.0	9.000	L1	10.4
17.865500	---	45.10	50.00	4.90	200.0	9.000	L1	10.4
17.865500	45.03	---	60.00	14.97	200.0	9.000	L1	10.4

EUT Information

EUT Name:	Powerbank Volt'H Mini
Model:	VOLTHMINI
Test Model:	Charging + wireless discharging
Test Voltage:	AC 120V/60Hz
Test By:	Shower Dai
Review By:	Gary Chen
Remark:	SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
4.849500	---	38.88	46.00	7.12	N	9.9
4.849500	40.21	---	56.00	15.79	N	9.9
9.953500	46.07	---	60.00	13.93	N	10.0
9.953500	---	45.34	50.00	4.66	N	10.0
11.229500	46.71	---	60.00	13.29	N	10.0
11.229500	---	45.98	50.00	4.02	N	10.0
12.505500	46.77	---	60.00	13.23	N	10.1
12.505500	---	46.20	50.00	3.80	N	10.1
14.037500	46.87	---	60.00	13.13	N	10.1
14.037500	---	46.34	50.00	3.66	N	10.1
17.865500	---	45.12	50.00	4.88	N	10.2
17.865500	45.85	---	60.00	14.15	N	10.2

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
4.849500	---	38.22	46.00	7.78	200.0	9.000	N	9.9
4.849500	39.00	---	56.00	17.00	200.0	9.000	N	9.9
9.953500	---	45.23	50.00	4.77	200.0	9.000	N	10.0
9.953500	45.17	---	60.00	14.83	200.0	9.000	N	10.0
11.229500	---	45.82	50.00	4.18	200.0	9.000	N	10.0
11.229500	45.72	---	60.00	14.28	200.0	9.000	N	10.0
12.505500	45.90	---	60.00	14.10	200.0	9.000	N	10.1
12.505500	---	45.98	50.00	4.02	200.0	9.000	N	10.1
14.037500	46.25	---	60.00	13.75	200.0	9.000	N	10.1
14.037500	---	46.33	50.00	3.67	200.0	9.000	N	10.1
17.865500	---	45.00	50.00	5.00	200.0	9.000	N	10.2
17.865500	44.91	---	60.00	15.09	200.0	9.000	N	10.2