



FCC/ISED - TEST REPORT

Report Number : 709502607884-00 Date of Issue: **August 21, 2026**

Model : **PB579**

Product Type : Magnetic Wireless Power Bank

Applicant : Ugreen Group Limited

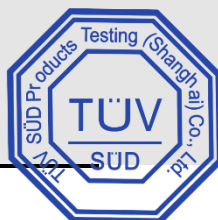
Address : Ugreen Building, Longcheng Industrial Park Longguanxi Road,
Longhua 518000 ShenZhen, PEOPLE'S REPUBLIC OF CHINA

Manufacturer : Ugreen Group Limited

Address : Ugreen Building, Longcheng Industrial Park Longguanxi Road,
Longhua 518000 ShenZhen, PEOPLE'S REPUBLIC OF CHINA

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including
Appendices : **43**



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2. Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
1	First Issue	08/21/2026

3. Details about the Test Laboratory

Details about the Test Laboratory 1:

Company name: TÜV SÜD Products Testing (Shanghai) Co., Ltd.
Address: No.16 Lane, 1951 Du Hui Road, Shanghai 201108, P.R. China
FCC Registration Number: 820234
FCC Designation Number: CN1183
ISED Registration Number: 31668
ISED CAB identifier: CN0101
Telephone: +86 21 6037 6300



4. Description of the Equipment Under Test

4.1 EUT Description

Product name:	Magnetic Wireless Power Bank
Model no.:	PB579
PMN:	PB579
HVIN:	PB579
P/ N Code:	16884, 16884P, 16884X, 16884A, 16884B, 16884U, 16884JP, 16884ZD, 16633, 16633P, 16633X, 16633A, 16633U, 16633JP, 16633ZD, 75698, 75698P, 75698X, 75698A, 75698B, 75698U, 75698JP, 75698ZD, 75698SR
	Remark: - Product Number (P/N) code in the above table, for marketing purpose, will be marked on the marking plate.
FCC ID:	2AQI5-PB579
IC:	26850-PB579
Rating:	USB-C Cable (IN1) / USB-C (IN2) Input: 5V=3A, 9V=3A, 12V=2.5A, 15V=2A; USB-C Cable (OUT1) / USB-C (OUT2) Onput: 10V=2.25A, 5V=3A, 9V=3A, 12V=3A, 15V=3A, 20V=2.25A 45W Max; Wireless Charging Output: 25W Max; Total Output: 5V=2A+5W; Rated Output Capacity: 6200mAh(TYP 5V3A); Rated Energy: 39.2Wh (7.84V)
RF Transmission Frequency:	111-148.5kHz, 360kHz
Antenna Type:	Coil Antenna
Description of the EUT:	The EUT is a Power Bank with WPT function. The TX and RX range is: 111-148.5kHz: BPP 5W/iPhone7.5W/Samsung10W 360kHz: iPhone15W, iPhone25W
Hardware Version	A1
Software Version	A1
Test sample no.:	SHA-1066941-1
RSS-216 Classification	☐ Type 1(interference-causing equipment)
WPT Type:	☐ Type 2(Category II radio apparatus)
	☒ Type 3 (Category I radio apparatus)

The sample's mentioned in this report is/are submitted/ supplied/ manufactured by client. The laboratory therefore assumes no responsibility for accuracy of information on the brand name, model number, origin of manufacture, consignment, antenna gain, or any information supplied.



4.2 Peripheral devices during the testing:

- | | |
|---|------------------------|
| ■ - <u>Intelligent Measuring Instrument</u> | Type: <u>F18/19</u> |
| ■ - <u>AC/DC adapter</u> | Type: <u>MDY-14-ED</u> |



5. Summary of Test Standards

Test Standards	
FCC Part 15 Subpart C 10-1-2024 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart C - Intentional Radiators
RSS-216 Issue 3 September 2024	Wireless Power Transfer Devices
RSS-Gen Issue 5 April 2018 +Amendment 1 March 2019 + Amendment 2 February 2021	General Requirements for Compliance of Radio Apparatus

All the test methods were according to ANSI C63.10 (2020).

Note: For ISED, this report is also performed according to ANSI C63.10-2020 + Cor.1-2023 + C63.10a-2024 + Errata to C63.10a-2024 standards.

6. Summary of Test Results

Technical Requirements		
47 CFR Part 15 Subpart C RSS-216		
Test Condition		Test Result
RSS-216 §5.3.2 RSS-GEN §8.10 47 CFR §15.207	Conducted emission AC power port	Pass
RSS-216 §5.3.3 RSS-GEN §8.10 47 CFR §15.209	Radiated Emissions	Pass (Note1)
RSS-GEN §6.7	Occupied bandwidth	Pass
47 CFR §15.215(c)	20dB bandwidth	Pass
RSS-216 §5.5	Frequency stability	Pass
47 CFR §15.203 RSS-Gen 6.8	Antenna requirement	Pass (Note2)

Note1: Because the highest frequency of the internal sources of the EUT is less than 108MHz, so the measurement only is made up to 1GHz.

Note 2: The EUT uses a coil antenna. In accordance to §15.203 and RSS-Gen 6.8, it is considered sufficiently to comply with the provisions of this section.

Test Mode:

EUT was tested under all available operation modes, only the worst case of product operating at maximum power was listed in this report.



7. General Remarks

Remarks

The Equipment Under Test (EUT) is a Magnetic Wireless Power Bank which operates at 111-148.5kHz and 360kHz for wireless charging functions.

This submittal(s) (test report) is intended for FCC ID: 2AQI5-PB579 and IC: 26850- PB579 complies with Section 15.207, 15.209, 15.205 of the FCC Part 15, Subpart C rules and RSS-Gen Issue 5, RSS-216 issue 3.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - Not Performed

The Equipment under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: August 14, 2026

Testing Start Date: August 17, 2026

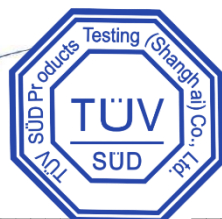
Testing End Date: August 18, 2026

- TÜV SÜD Products Testing (Shanghai) Co., Ltd.-

Reviewed by:

Prepared by:

Tested by:



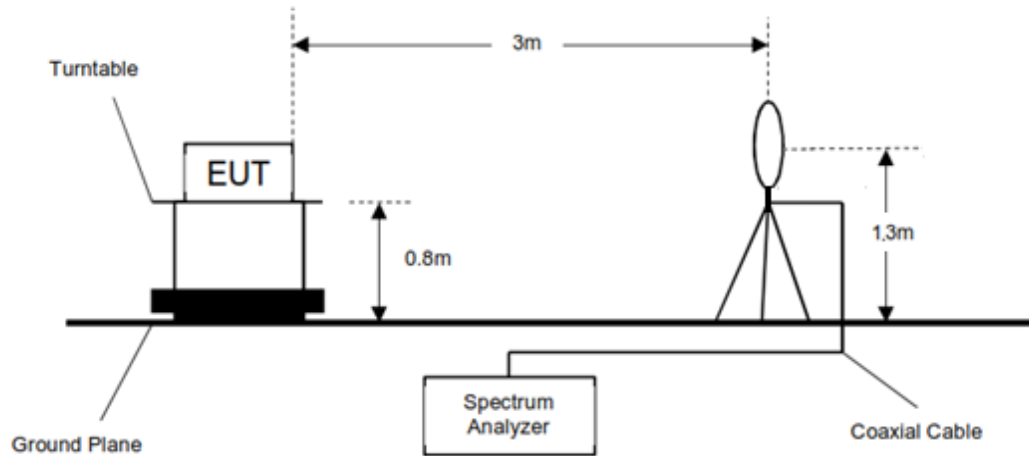
Hui TONG
Review Engineer

Jiaxi XU
Project Engineer

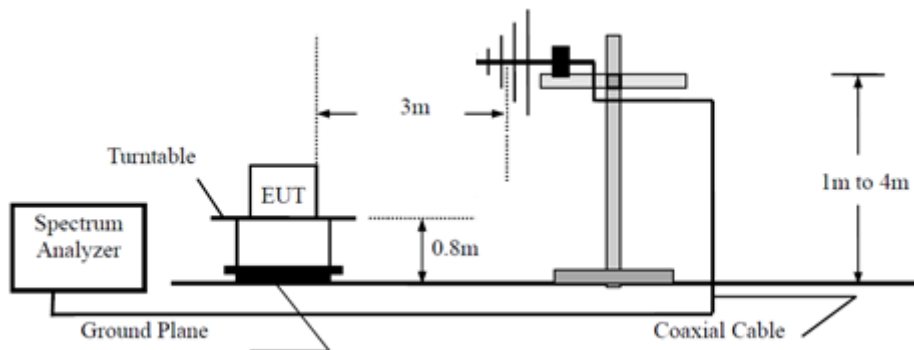
Chengjie GUO
Test Engineer

8. Test Setups

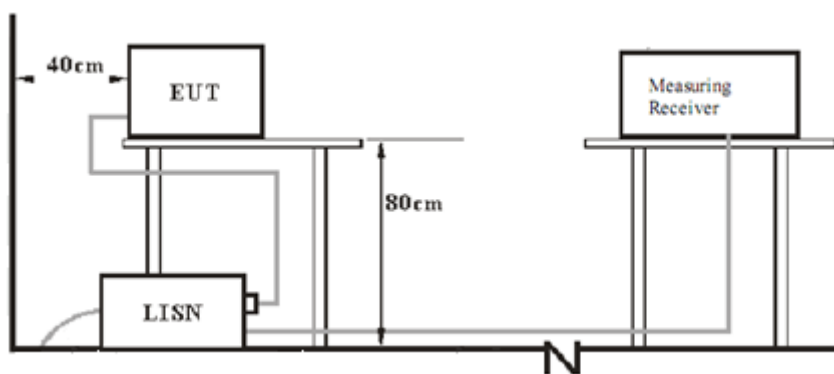
Below 30MHz



30MHz-1GHz



AC Power Line Conducted Emission test setups



9. Technical Requirement

9.1 Conducted Emission Test

Test Method

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.).
3. Maximum disturbance procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

Limit

According to 47 CFR §15.207, conducted emissions limit as below:

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.

According to RSS-216 §5.3.2 conducted emissions limit as below:

Frequency range (MHz)	quasi-peak (dBμV)	average (dBμV)
0.009 to 0.05	110	—
0.05 to 0.15	90 to 80	—
0.15 to 0.5	66 to 56	56 to 46
0.5 to 5	56	46
5 to 30	60	50
i. The more stringent limit applies at transition frequencies. ii. In the 0.05 MHz to 0.15 MHz and 0.15 MHz to 0.5 MHz frequency ranges the limit level in dBμV decreases linearly with the logarithm of frequency.		

Note:

1. The severer limit RSS-216 is used. The test results meet RSS-216, limits requirement can also meet 47 CFR §15.207 requirement.
2. The simultaneous charging and discharging mode only supports TX mode at the 111-148.5kHz frequency range (7.5W). However, TX at 360KHz frequency only supports battery working mode.

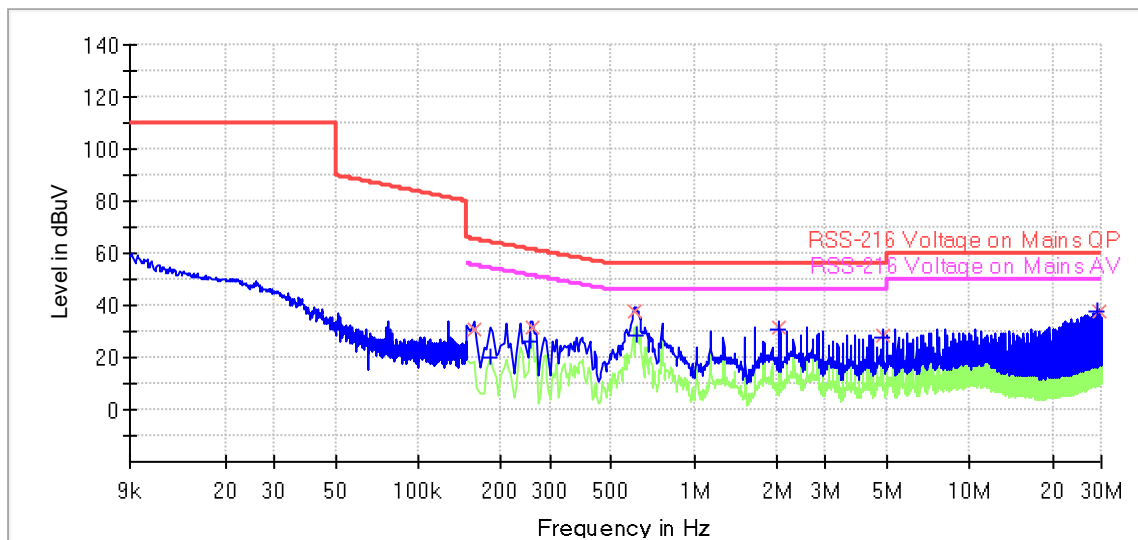
Test Result:**9K-30MHz Conducted Disturbance Test****EUT Information**

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Charging mode and wireless charging at iPhone7.5W,
 TX: 111-148.5kHz
 Operator: Chengjie GUO
 Standard: RSS-216
 Sample No.: SHA-1066941-1

Scan Setup: Voltage with 2-Line-LISN pre [EMI conducted]

Hardware Setup: Voltage with 2-Line-LISN
 Receiver: [ESR 3]
 Level Unit: dBuV

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamplifier
9 kHz - 150 kHz	100 Hz	PK+	200 Hz	0.02 s	0 dB
150 kHz - 30 MHz	4.5 kHz	PK+; AVG	9 kHz	0.01 s	0 dB

**Final Result**

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.159000	30.74	---	65.52	34.78	1000.0	9.000	L1	19.5
0.181500	---	20.33	54.42	34.09	1000.0	9.000	L1	19.4
0.253500	---	26.44	51.64	25.20	1000.0	9.000	L1	19.4
0.258000	31.36	---	61.50	30.14	1000.0	9.000	L1	19.4
0.613500	37.54	---	56.00	18.46	1000.0	9.000	L1	19.4
0.622500	---	28.56	46.00	17.44	1000.0	9.000	L1	19.4
2.044500	31.32	---	56.00	24.68	1000.0	9.000	L1	19.4
2.044500	---	31.03	46.00	14.97	1000.0	9.000	L1	19.4
4.857000	28.20	---	56.00	27.80	1000.0	9.000	L1	19.5
4.857000	---	27.85	46.00	18.15	1000.0	9.000	L1	19.5
29.017500	---	37.71	50.00	12.29	1000.0	9.000	L1	20.1
29.530500	37.77	---	60.00	22.23	1000.0	9.000	L1	20.1

9K-30MHz Conducted Disturbance Test

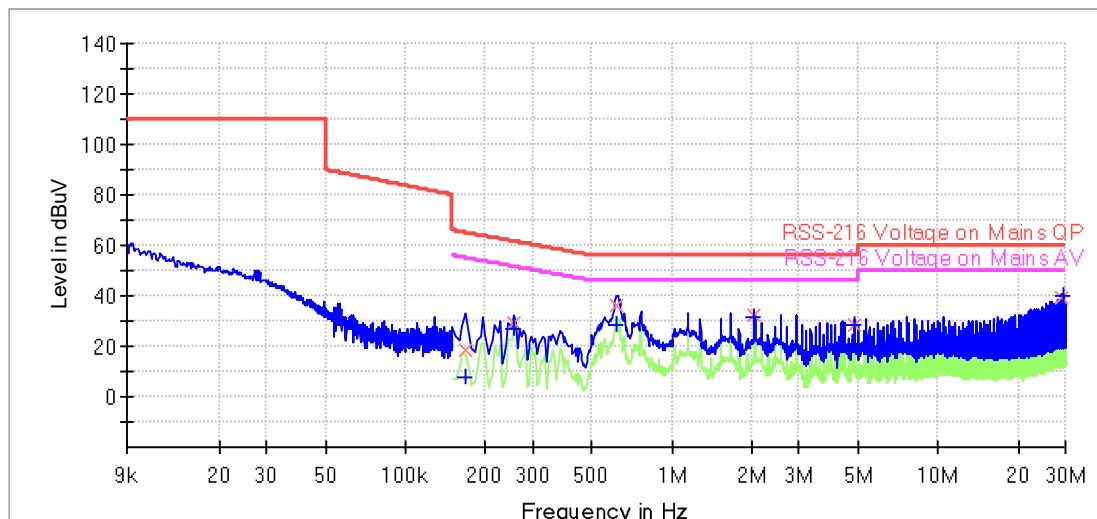
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Charging mode and wireless charging at iPhone7.5W,
 TX: 111-148.5kHz
 Operator: Chengjie GUO
 Standard: RSS-216
 Sample No.: SHA-1066941-1

Scan Setup: Voltage with 2-Line-LISN pre [EMI conducted]

Hardware Setup: Voltage with 2-Line-LISN
 Receiver: [ESR 3]
 Level Unit: dBuV

Subrange	Step Size	Detectors	IF BW	Meas. Time	Preamplifier
9 kHz - 150 kHz	100 Hz	PK+	200 Hz	0.02 s	0 dB
150 kHz - 30 MHz	4.5 kHz	PK+; AVG	9 kHz	0.01 s	0 dB



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	CAverage (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.168000	---	7.58	55.06	47.48	1000.0	9.000	N	19.5
0.168000	18.74	---	65.06	46.32	1000.0	9.000	N	19.5
0.253500	---	26.81	51.64	24.83	1000.0	9.000	N	19.4
0.253500	29.46	---	61.64	32.18	1000.0	9.000	N	19.4
0.622500	---	28.24	46.00	17.76	1000.0	9.000	N	19.5
0.622500	35.95	---	56.00	20.05	1000.0	9.000	N	19.5
2.044500	32.06	---	56.00	23.94	1000.0	9.000	N	19.4
2.044500	---	31.20	46.00	14.80	1000.0	9.000	N	19.4
4.857000	28.79	---	56.00	27.21	1000.0	9.000	N	19.5
4.857000	---	28.17	46.00	17.83	1000.0	9.000	N	19.5
29.017500	39.47	---	60.00	20.53	1000.0	9.000	N	20.2
29.530500	---	39.63	50.00	10.37	1000.0	9.000	N	20.2

Remark:

Level=Reading Level + Correction Factor

Correction Factor=Cable Loss + LISN Factor

(The Reading Level is recorded by software which is not shown in the sheet)



9.2 Radiated Emission Test

Test Method

1. Field strength measurements (9 kHz to 30 MHz) using a loop antenna, the loop antenna center is at 1.3 m height above the ground plane, measurement is performed with the loop antenna placed in X, Y, Z axes to cover two polarizations, coaxial and coplanar.
2. Field strength measurements (30 MHz-1GHz) using a Trilog Super Broadband Test Antenna which was tuned to heights from 1 meter to 4 meters, horizontal and vertical polarizations during the measurement to determine the position of the highest radiation
3. The EUT was placed on the table (0.8 meters height) above the ground at a 3-meter distance away from the antenna. The table was rotated 360 degrees to determine the position of the highest radiation.

Calculation process:

For RSS-216 radiated emissions (9k – 30MHz)

According to the Notice 2020 - DRS0023, magnetic field strength is calculated by the following formula:

$$H[\text{dB}(\mu\text{A/m})] = V[\text{dB}(\mu\text{V})] + L_C [\text{dB}] - G_{PA} [\text{dB}] + A_F^E [\text{dB(m)}] - 51.5[\text{dB}\Omega]$$

Where

$H[\text{dB}(\mu\text{A/m})]$ is the magnetic field strength to be compared with the limit,

$V[\text{dB}(\mu\text{V})]$ is the voltage reading level measured by the receiver, the reading Level is recorded by software which is not shown in the sheet

$G_{PA} [\text{dB}]$ is the Preamplifier Gain(Which is not used and is omitted)

$A_F^E [\text{dB(m)}]$ is the electric antenna factor

$L_C [\text{dB}]$ is the cable loss

For other radiated emissions

$$E[\text{dB}(\mu\text{V/m})] = V[\text{dB}(\mu\text{V})] + L_C [\text{dB}] + A_F^E [\text{dB(m}^{-1}\text{)}]$$

Where

$E[\text{dB}(\mu\text{V/m})]$ is the electrical field strength level

$V[\text{dB}(\mu\text{V})]$ is the voltage reading level measured by the receiver, the reading Level is recorded by software which is not shown in the sheet

$A_F^E [\text{dB(m)}]$ is the electric antenna factor

$L_C [\text{dB}]$ is the cable loss

Limits

According to 47 CFR §15.209, radiated emissions limit at 3-meter measurement distance:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)	Field strength (dBμV/m @3 meter)	Detector
0.009-0.490	2400/F(kHz)	300	128.5 – 93.8	QP
0.490-1.705	24000/F(kHz)	30	73.8 - 63	QP
1.705-30.0	30	30	69.5	QP
30-88	100	3	40	QP
88-216	150	3	43.5	QP
216-960	200	3	46	QP
960-1000	500	3	54	QP
Above 1000	500	3	54	AV
Above 1000	5000	3	74	PV

According to RSS-216 §5.3.3, radiated emissions limit at 3-meter measurement distance

Frequency (MHz)	Field strength	Unit	Detector
0.009 - 0.07	69	dBμA/m	QP
0.07 - 0.15	69 - 39	dBμA/m	QP
0.15 - 30.0	39 - 7	dBμA/m	QP
30-230	40	dBμV/m	QP
230 - 1000	47	dBμV/m	QP
Above 1000	54	dBμV/m	AV
Above 1000	74	dBμV/m	PV

Electric field strength limits at 3 m distance (30 MHz to 1000 MHz)

Frequency range (MHz)	quasi-peak (dBμV/m)
30 to 230	40
230 to 1000	47
i. The more stringent limit applies at the transition frequency.	



Test Result: pre-test all test modes and only list the worst mode in the report

0.009-30MHz Radiated Emission

EUT Information

EUT Name:

Model

Client:

Op Cond

Operator:

Standard

Sample No.:

Magnetic Wireless Power Bank

PB579

Ugreen Group Limited

Wireless charging Samsung10W, TX: 111-148.5kHz

Chengjie GUO

FCC Part15.209

SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup:

Receiver:

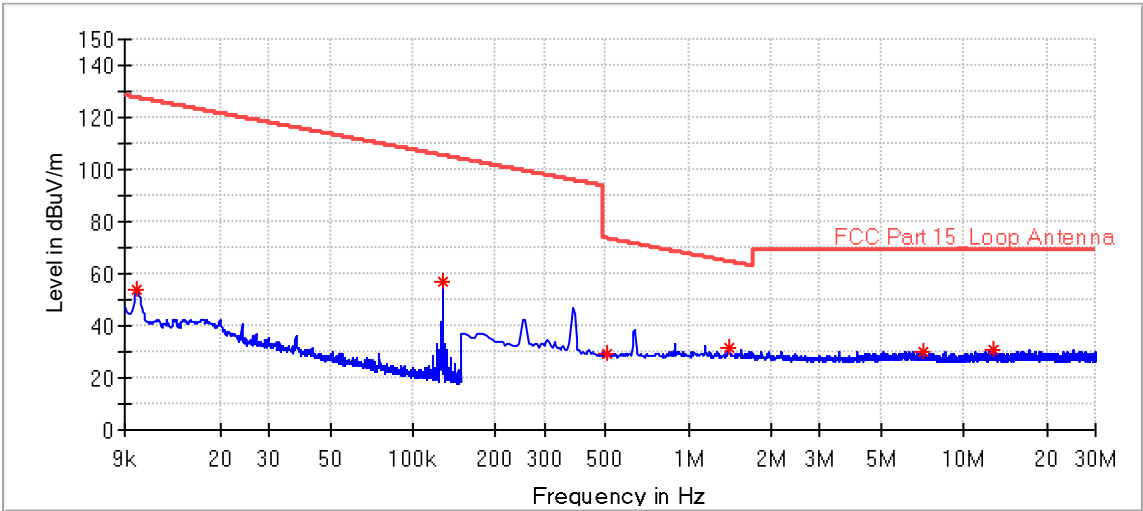
Level Unit:

RE_Loop Antenna V

[ESR 3]

dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.009969	53.85	127.63	73.78	X	65.0	19.6
0.127881	57.02	105.47	48.44	X	257.0	18.8
0.509956	29.25	73.45	44.20	X	80.0	18.8
1.405456	31.73	64.65	32.91	X	219.0	18.9
7.116463	30.18	69.54	39.36	X	98.0	18.9
12.682610	30.61	69.54	38.93	X	34.0	18.7

0.009-30MHz Radiated Emission

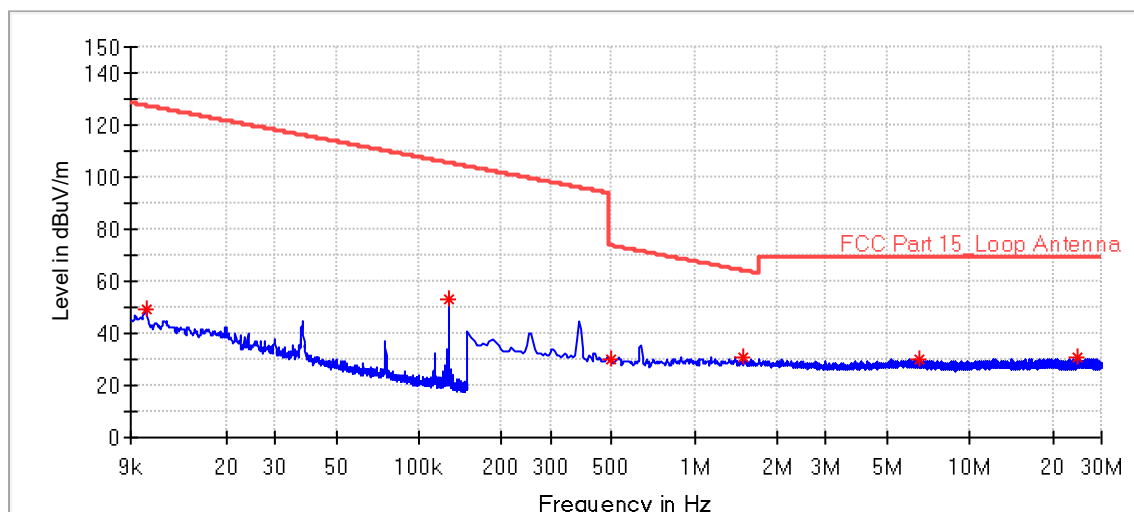
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging Samsung10W, TX: 111-148.5kHz
 Operator: Chengjie GUO
 Standard: FCC Part15.209
 Sample No.: SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.010234	49.25	127.40	78.15	Y	11.0	19.6
0.127881	53.33	105.47	52.13	Y	181.0	18.8
0.501177	29.97	73.60	43.64	Y	142.0	18.8
1.506419	30.52	64.05	33.53	Y	320.0	18.9
6.580919	29.97	69.54	39.57	Y	290.0	18.8
24.398735	30.48	69.54	39.06	Y	212.0	19.3

0.009-30MHz Radiated Emission

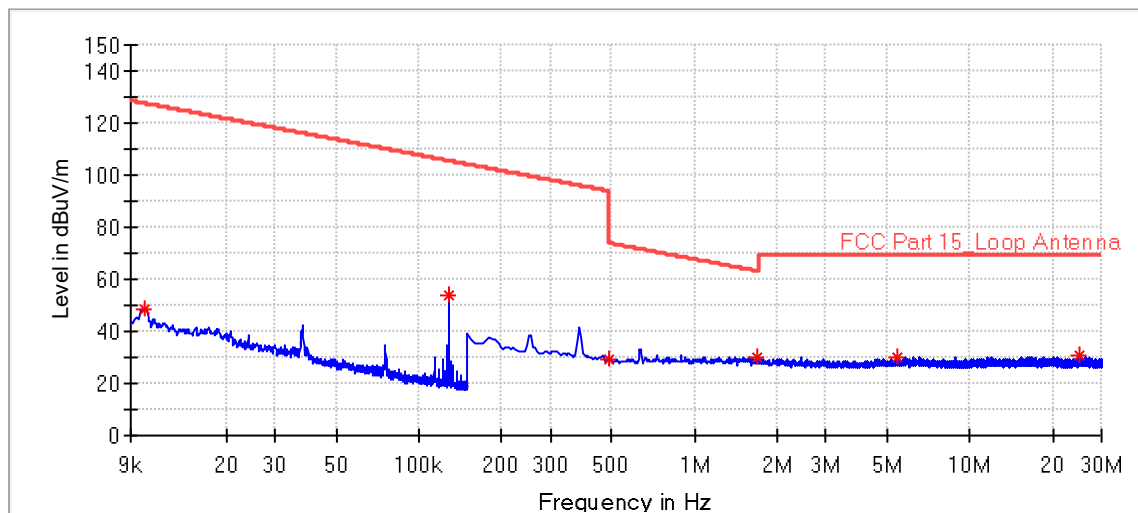
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging Samsung10W, TX: 111-148.5kHz
 Operator: Chengjie GUO
 Standard: FCC Part15.209
 Sample No.: SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.010058	48.80	127.55	78.75	Z	252.0	19.6
0.127881	53.82	105.47	51.64	Z	277.0	18.8
0.492397	29.36	73.76	44.39	Z	290.0	18.8
1.690787	30.36	63.04	32.68	Z	344.0	19.0
5.430816	30.10	69.54	39.44	Z	154.0	18.8
25.004515	30.55	69.54	38.99	Z	285.0	19.3

0.009-30MHz Radiated Emission

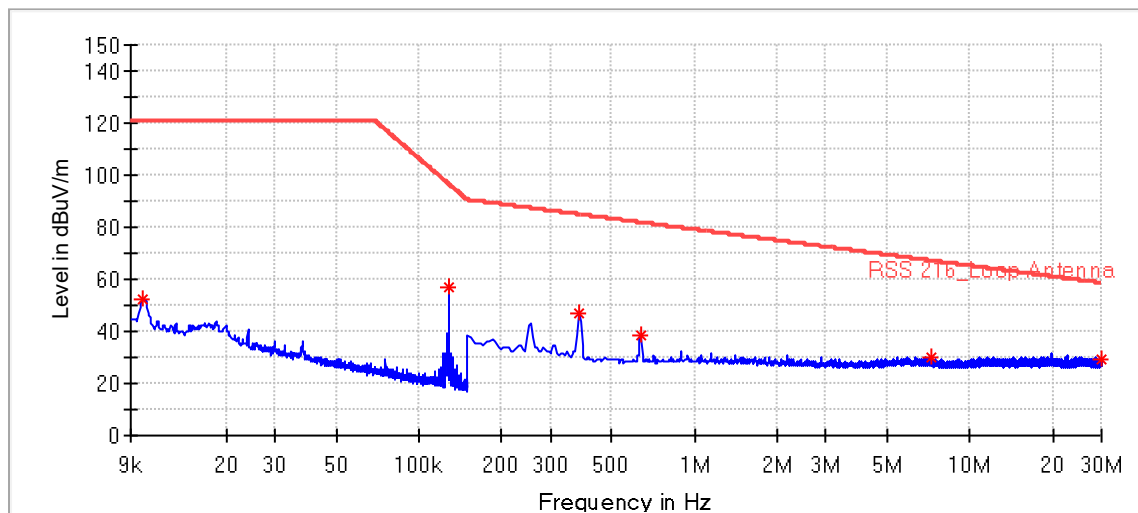
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging Samsung10W, TX: 111-148.5kHz
 Operator: Chengjie GUO
 Standard: RSS 216
 Sample No.: SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.009969	52.56	120.50	67.94	X	307.0	19.6
0.127881	57.15	96.78	39.63	X	261.0	18.8
0.382655	47.08	84.84	37.76	X	60.0	18.8
0.637258	38.09	81.76	43.68	X	271.0	18.8
7.252544	29.92	67.08	37.16	X	0.0	18.9
29.925375	29.51	58.52	29.01	X	256.0	18.8

0.009-30MHz Radiated Emission

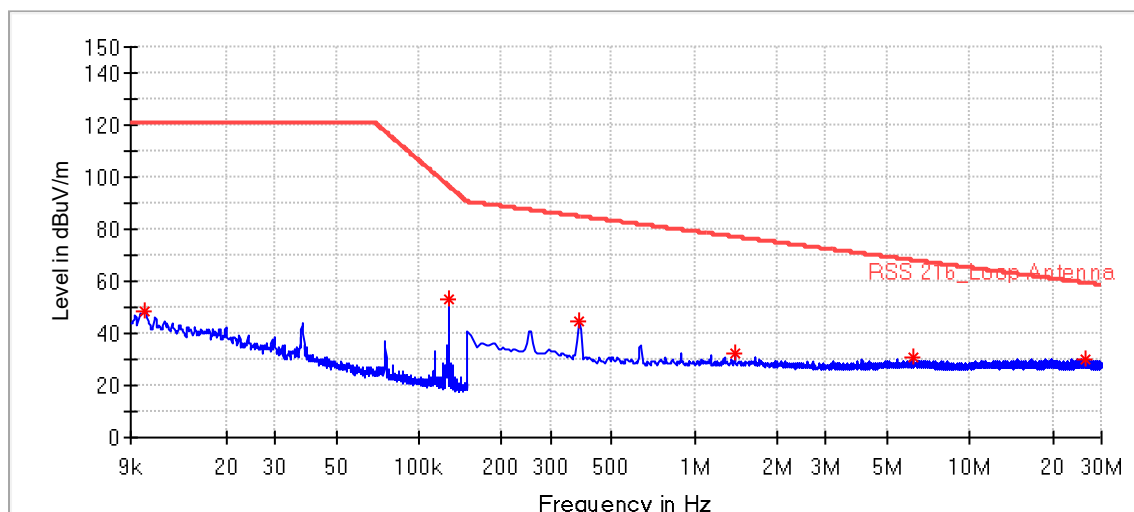
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging Samsung10W, TX: 111-148.5kHz
 Operator: Chengjie GUO
 Standard: RSS 216
 Sample No.: SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.010146	48.82	120.50	71.68	Y	128.0	19.6
0.127881	53.19	96.78	43.59	Y	1.0	18.8
0.382655	44.73	84.84	40.11	Y	0.0	18.8
1.405456	32.14	76.99	44.85	Y	162.0	18.9
6.216574	30.46	68.01	37.55	Y	199.0	18.8
26.422390	29.96	59.27	29.31	Y	161.0	19.3



0.009-30MHz Radiated Emission

EUT Information

EUT Name:

Model

Client:

Op Cond

Operator:

Standard

Sample No.:

Magnetic Wireless Power Bank

PB579

Ugreen Group Limited

Wireless charging Samsung10W, TX: 111-148.5kHz

Chengjie GUO

RSS 216

SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup:

Receiver:

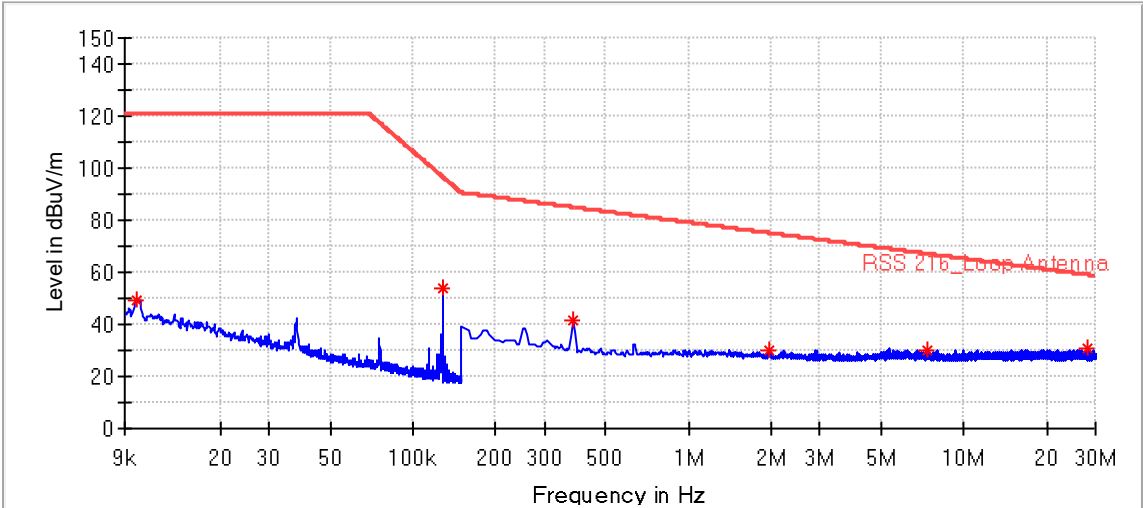
Level Unit:

RE_Loop Antenna V

[ESR 3]

dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.009969	49.23	120.50	71.27	Z	312.0	19.6
0.127881	53.85	96.78	42.93	Z	268.0	18.8
0.382655	41.22	84.84	43.63	Z	254.0	18.8
1.958559	29.64	74.98	45.35	Z	228.0	19.0
7.327169	29.70	67.01	37.31	Z	331.0	18.9
28.252897	30.40	58.86	28.47	Z	63.0	19.0

0.009-30MHz Radiated Emission

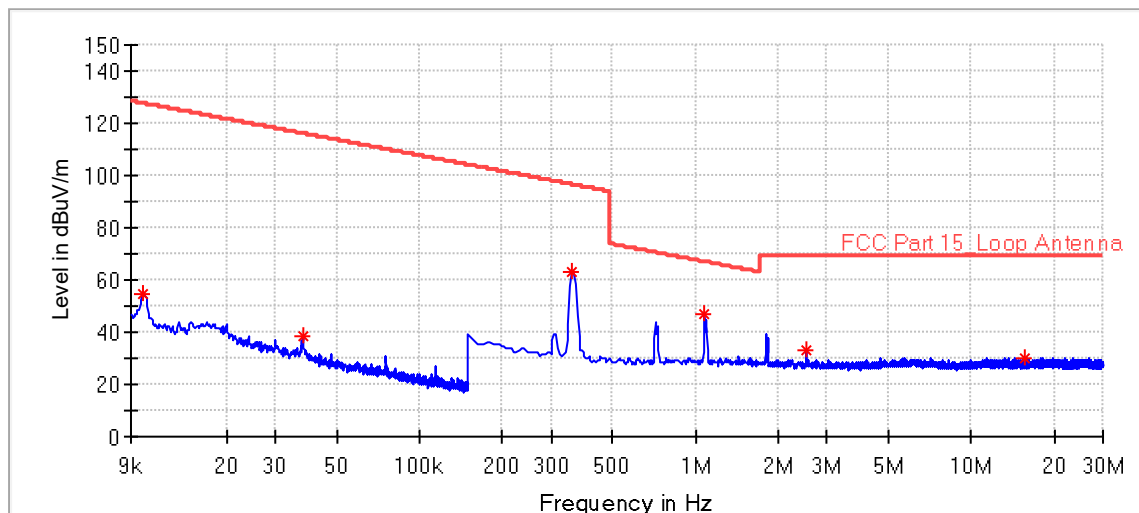
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging iPhone 25W, TX: 360kHz
 Operator: Chengjie GUO
 Standard: FCC Part15.209
 Sample No.: SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.009969	54.66	127.63	72.97	X	9.0	19.6
0.037905	38.23	116.03	77.80	X	89.0	18.9
0.356316	62.84	96.57	33.73	X	72.0	18.8
1.080618	47.00	66.93	19.93	X	81.0	18.8
2.520441	32.95	69.54	36.60	X	100.0	19.1
15.724677	30.01	69.54	39.53	X	89.0	18.9

0.009-30MHz Radiated Emission

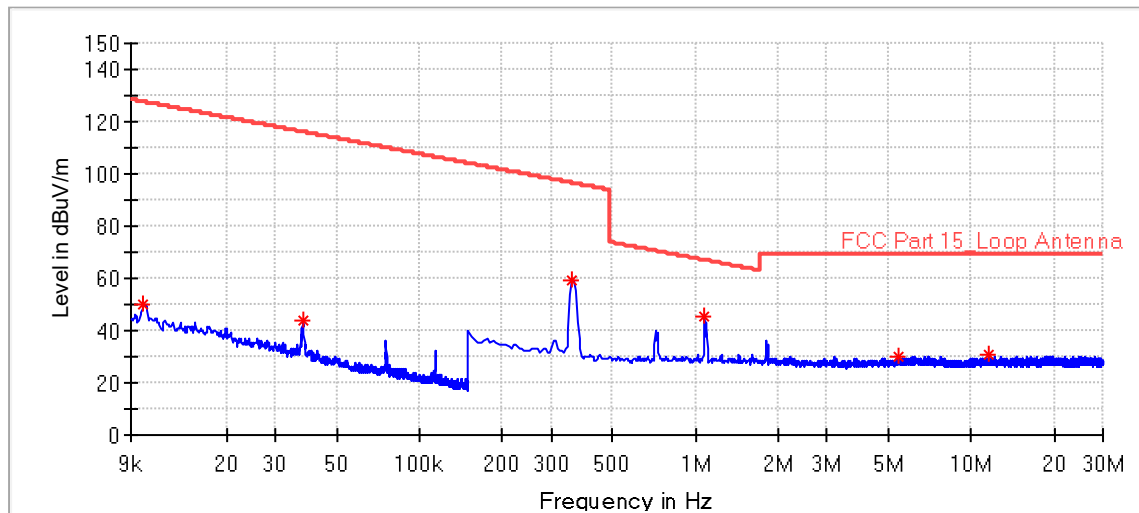
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging iPhone 25W, TX: 360kHz
 Operator: Chengjie GUO
 Standard: FCC Part15.209
 Sample No.: SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.009969	50.04	127.63	77.59	Y	0.0	19.6
0.037905	43.84	116.03	72.19	Y	274.0	18.9
0.356316	59.22	96.57	37.35	Y	149.0	18.8
1.080618	45.03	66.93	21.90	Y	153.0	18.8
5.448375	30.20	69.54	39.34	Y	1.0	18.8
11.528118	30.50	69.54	39.05	Y	209.0	18.7

0.009-30MHz Radiated Emission

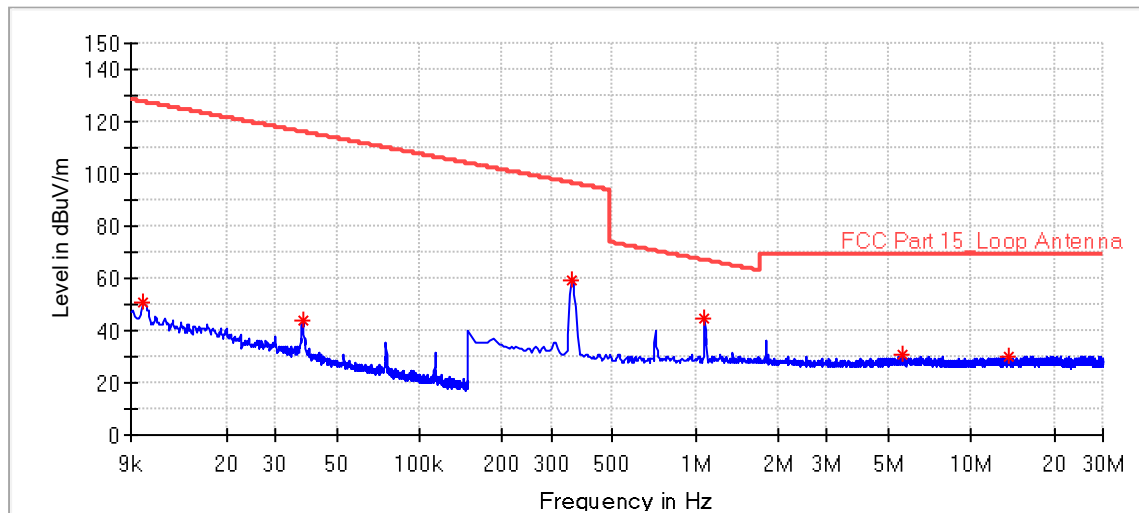
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging iPhone 25W, TX: 360kHz
 Operator: Chengjie GUO
 Standard: FCC Part15.209
 Sample No.: SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.009969	50.47	127.63	77.16	Z	141.0	19.6
0.037905	44.09	116.03	71.94	Z	316.0	18.9
0.356316	59.16	96.57	37.41	Z	154.0	18.8
1.080618	44.84	66.93	22.10	Z	352.0	18.8
5.610794	30.85	69.54	38.69	Z	80.0	18.8
13.687853	30.33	69.54	39.21	Z	120.0	18.8

0.009-30MHz Radiated Emission

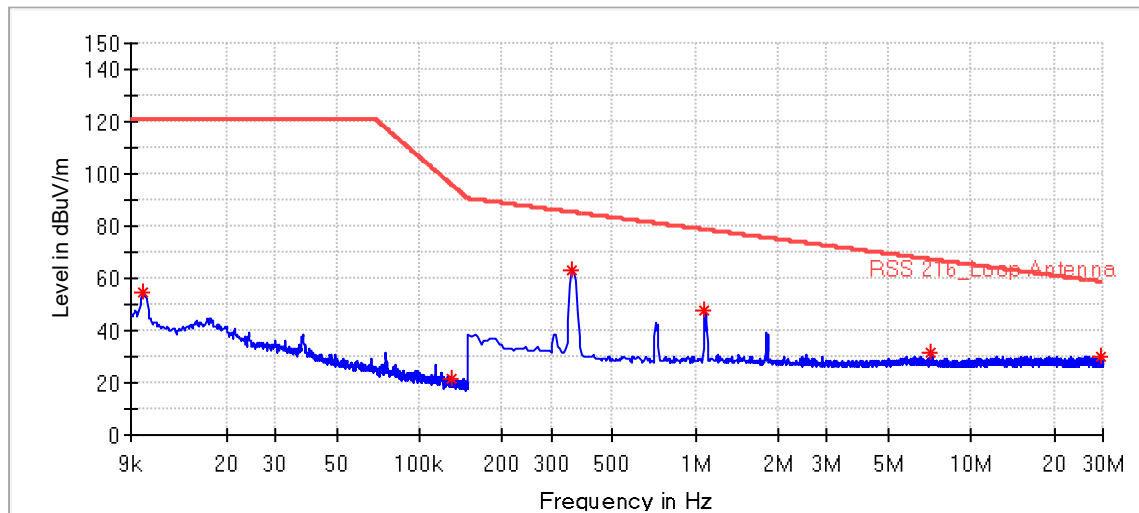
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging iPhone 25W, TX: 360kHz
 Operator: Chengjie GUO
 Standard: RSS 216
 Sample No.: SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.009969	54.39	120.50	66.11	X	169.0	19.6
0.131670	21.81	95.63	73.82	X	265.0	18.8
0.356316	62.89	85.27	22.39	X	76.0	18.8
1.080618	47.39	78.57	31.19	X	67.0	18.8
7.112074	31.29	67.19	35.91	X	120.0	18.9
29.337154	30.23	58.63	28.41	X	349.0	18.9

0.009-30MHz Radiated Emission

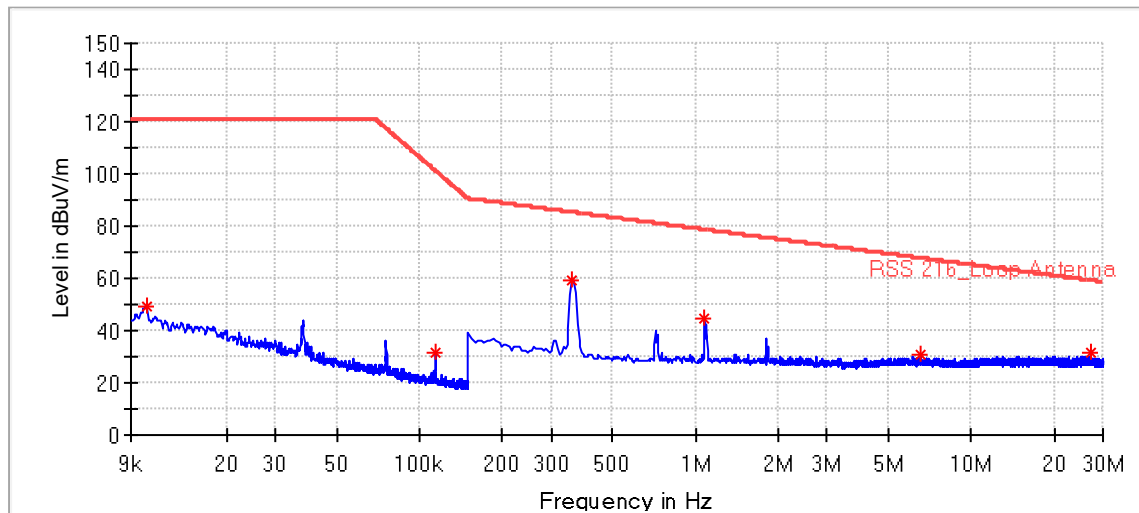
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging iPhone 25W, TX: 360kHz
 Operator: Chengjie GUO
 Standard: RSS 216
 Sample No.: SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.010234	49.55	120.50	70.95	Y	150.0	19.6
0.113604	31.34	101.44	70.10	Y	340.0	18.8
0.356316	59.12	85.27	26.15	Y	155.0	18.8
1.080618	44.39	78.57	34.18	Y	153.0	18.8
6.523853	30.39	67.71	37.32	Y	64.0	18.8
27.181809	31.24	59.10	27.86	Y	156.0	19.2

0.009-30MHz Radiated Emission

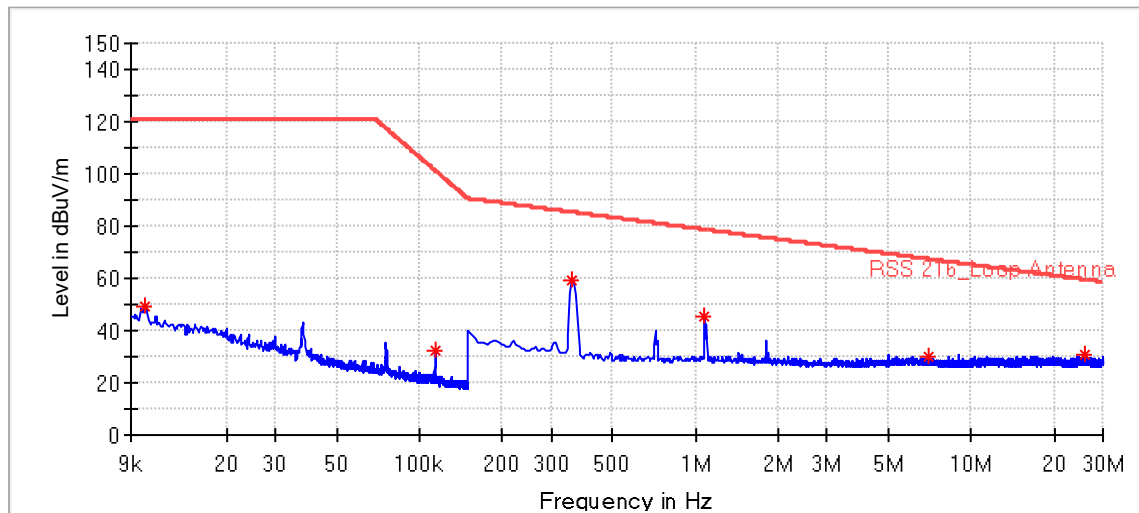
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging iPhone 25W, TX: 360kHz
 Operator: Chengjie GUO
 Standard: RSS 216
 Sample No.: SHA-1066941-1

Sweep Setup: RE_Loop E_pre [EMI radiated]

Hardware Setup: RE_Loop Antenna V
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamplifier
9 kHz - 150 kHz	88.125 Hz	PK+	200 Hz	0.01 s	0 dB
150 kHz - 30 MHz	4.39 kHz	PK+	9 kHz	0.01 s	0 dB



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.010146	48.85	120.50	71.65	Z	17.0	19.6
0.113693	32.26	101.41	69.15	Z	137.0	18.8
0.356316	59.16	85.27	26.11	Z	152.0	18.8
1.080618	45.15	78.57	33.43	Z	146.0	18.8
6.989162	29.66	67.30	37.64	Z	261.0	18.9
25.737596	30.91	59.43	28.52	Z	140.0	19.3

30-1000MHz Radiated Emission

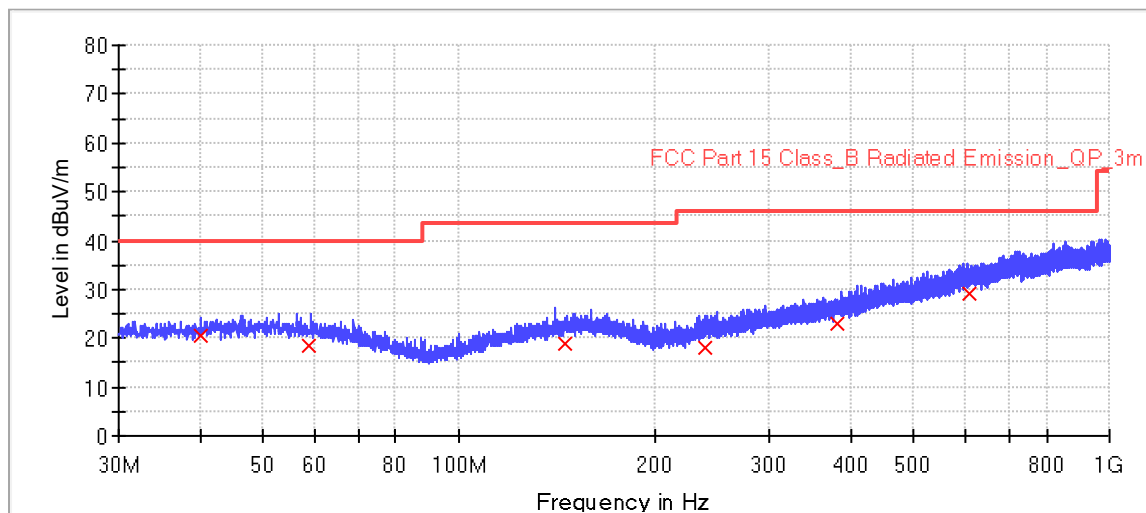
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging Samsung10W, TX: 111-148.5kHz
 Operator: Chengjie GUO
 Standard: FCC 15.209
 Sample No.: SHA-1066941-1

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
40.080000	20.5	1000.0	120.000	174.0	H	142.0	19.9	19.5	40.0
59.000000	18.5	1000.0	120.000	125.0	H	12.0	20.0	21.5	40.0
145.200000	18.8	1000.0	120.000	145.0	H	14.0	20.3	24.7	43.5
238.640000	18.1	1000.0	120.000	135.0	H	135.0	19.4	27.9	46.0
382.920000	22.8	1000.0	120.000	142.0	H	21.0	23.8	23.2	46.0
607.480000	29.1	1000.0	120.000	152.0	H	175.0	29.5	16.9	46.0

30-1000MHz Radiated Emission

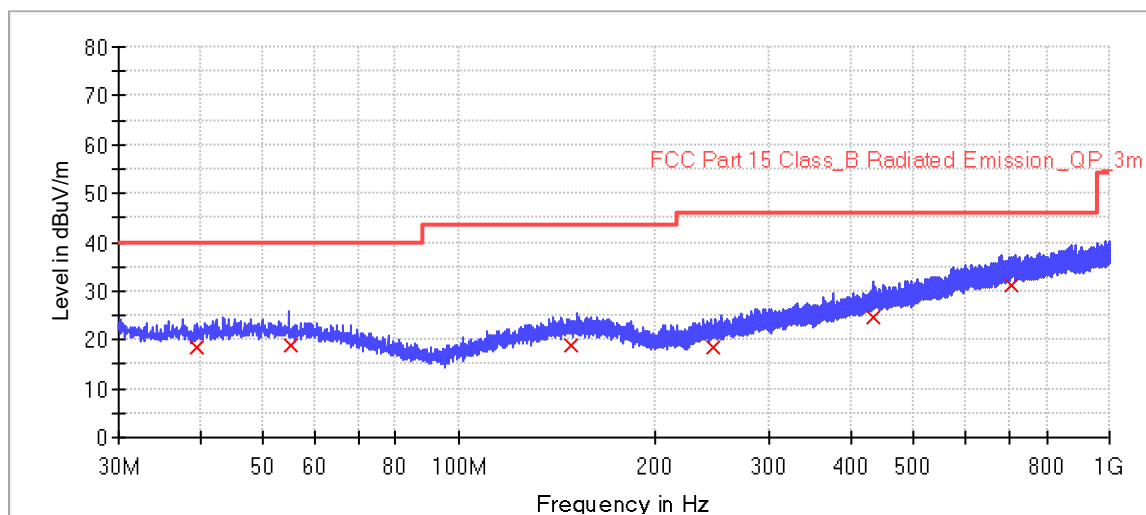
EUT Information

EUT Name: Magnetic Wireless Power Bank
Model: PB579
Client: Ugreen Group Limited
Op Cond: Wireless charging Samsung10W, TX: 111-148.5kHz
Operator: Chengjie GUO
Standard: FCC 15.209
Sample No.: SHA-1066941-1

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
Receiver: [ESR 3]
Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
39.520000	18.6	1000.0	120.000	174.0	V	54.0	19.8	21.4	40.0
55.040000	18.8	1000.0	120.000	122.0	V	15.0	20.3	21.2	40.0
148.640000	18.9	1000.0	120.000	152.0	V	14.0	20.6	24.6	43.5
246.520000	18.4	1000.0	120.000	135.0	V	135.0	19.6	27.6	46.0
433.680000	24.6	1000.0	120.000	171.0	V	1.0	25.2	21.4	46.0
708.680000	31.2	1000.0	120.000	152.0	V	12.0	31.3	14.8	46.0

30-1000MHz Radiated Emission

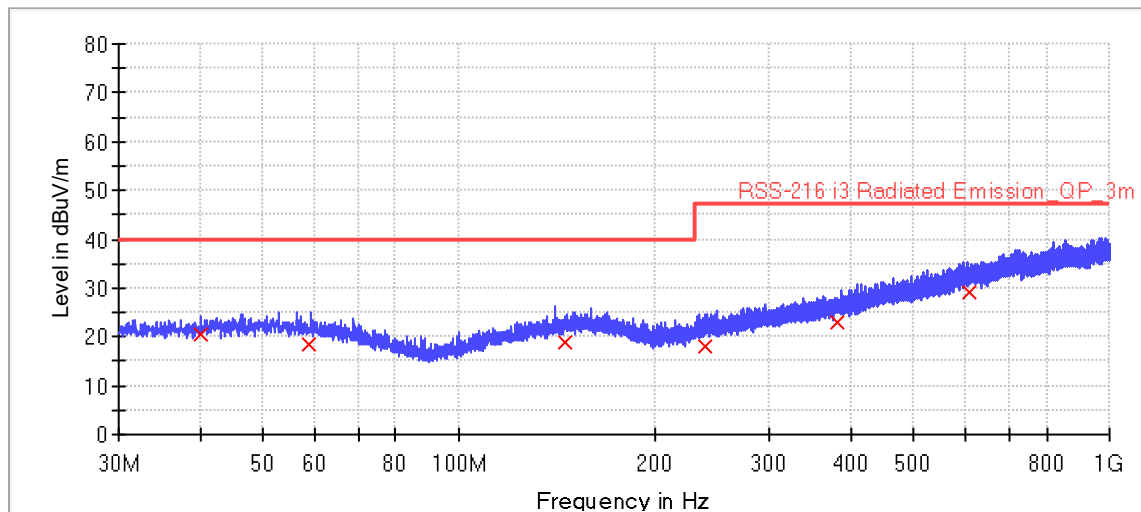
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging Samsung10W, TX: 111-148.5kHz
 Operator: Chengjie GUO
 Standard: RSS 216
 Sample No.: SHA-1066941-1

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamplifier
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
40.080000	20.5	1000.0	120.000	174.0	H	142.0	19.9	19.5	40.0
59.000000	18.5	1000.0	120.000	125.0	H	12.0	20.0	21.5	40.0
145.200000	18.8	1000.0	120.000	145.0	H	14.0	20.3	21.2	40.0
238.640000	18.1	1000.0	120.000	135.0	H	135.0	19.4	28.9	47.0
382.920000	22.8	1000.0	120.000	142.0	H	21.0	23.8	24.2	47.0
607.480000	29.1	1000.0	120.000	152.0	H	175.0	29.5	17.9	47.0

30-1000MHz Radiated Emission

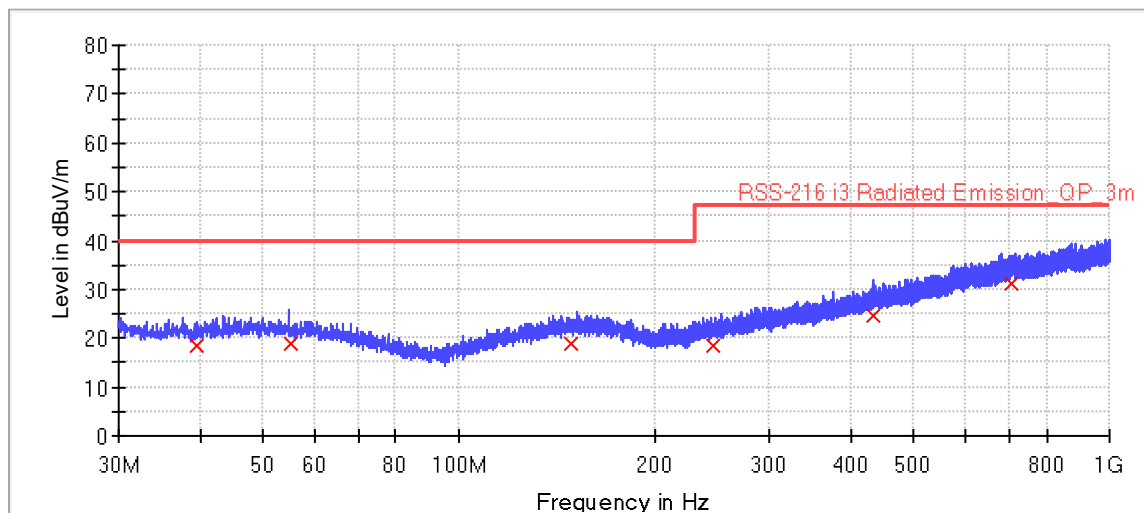
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging Samsung10W, TX: 111-148.5kHz
 Operator: Chengjie GUO
 Standard: RSS 216
 Sample No.: SHA-1066941-1

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
39.520000	18.6	1000.0	120.000	174.0	V	54.0	19.8	21.4	40.0
55.040000	18.8	1000.0	120.000	122.0	V	15.0	20.3	21.2	40.0
148.640000	18.9	1000.0	120.000	152.0	V	14.0	20.6	21.1	40.0
246.520000	18.4	1000.0	120.000	135.0	V	135.0	19.6	28.6	47.0
433.680000	24.6	1000.0	120.000	171.0	V	1.0	25.2	22.4	47.0
708.680000	31.2	1000.0	120.000	152.0	V	12.0	31.3	15.8	47.0

30-1000MHz Radiated Emission

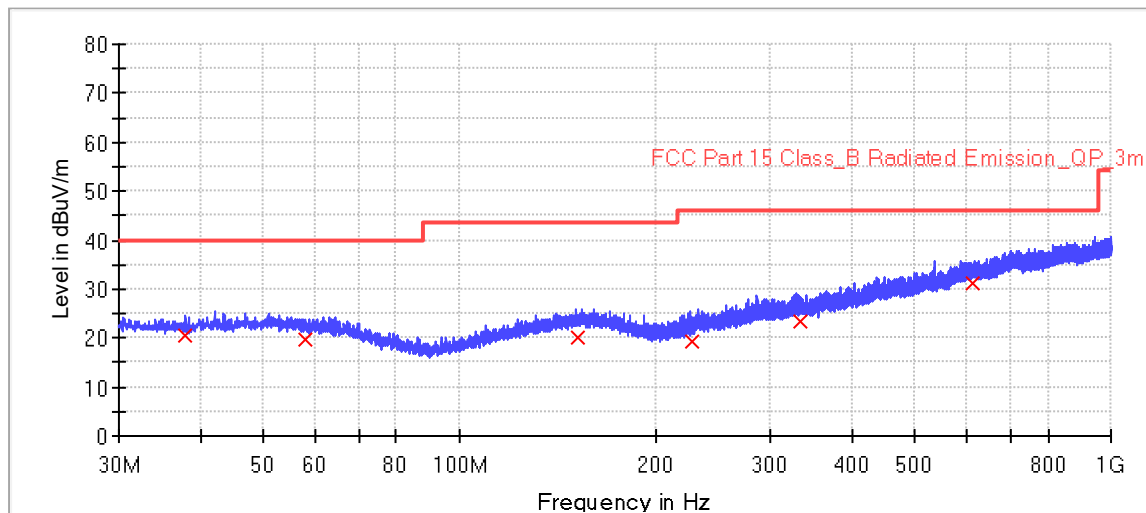
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging iPhone 25W, TX: 360kHz
 Operator: Chengjie GUO
 Standard: FCC Part15.209
 Sample No.: SHA-1066941-1

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
38.000000	20.4	1000.0	120.000	175.0	H	175.0	19.6	19.6	40.0
58.000000	19.6	1000.0	120.000	152.0	H	11.0	20.1	20.4	40.0
151.800000	20.3	1000.0	120.000	125.0	H	147.0	20.7	23.3	43.5
227.960000	19.2	1000.0	120.000	164.0	H	1.0	18.3	26.8	46.0
334.640000	23.5	1000.0	120.000	174.0	H	14.0	22.7	22.5	46.0
612.920000	31.3	1000.0	120.000	122.0	H	35.0	29.8	14.7	46.0

30-1000MHz Radiated Emission

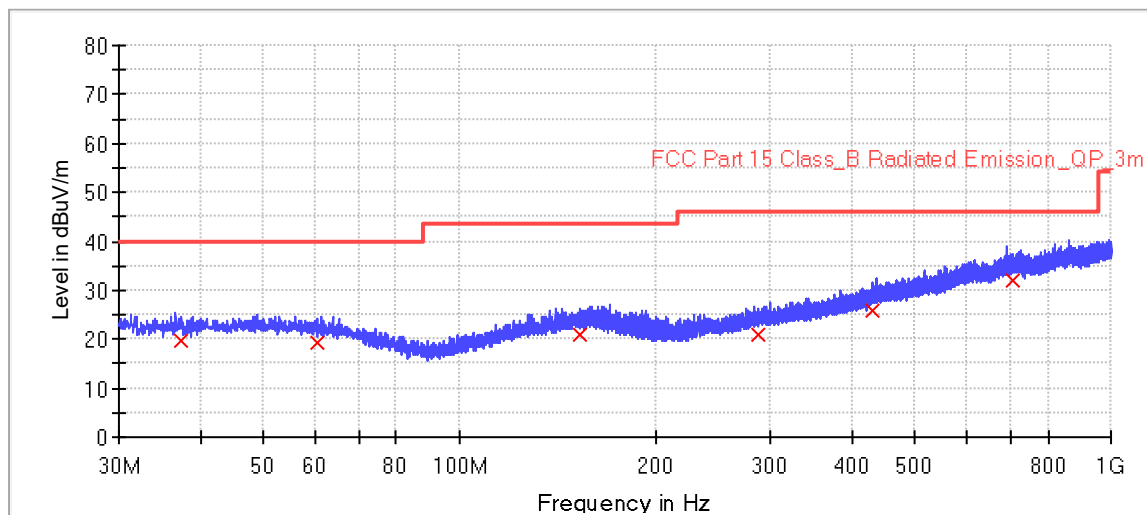
EUT Information

EUT Name: Magnetic Wireless Power Bank
Model: PB579
Client: Ugreen Group Limited
Op Cond: Wireless charging iPhone 25W, TX: 360kHz
Operator: Chengjie GUO
Standard: FCC Part15.209
Sample No.: SHA-1066941-1

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
Receiver: [ESR 3]
Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
37.440000	19.8	1000.0	120.000	175.0	V	142.0	19.6	20.2	40.0
60.320000	19.3	1000.0	120.000	145.0	V	359.0	19.9	20.7	40.0
153.480000	20.9	1000.0	120.000	144.0	V	11.0	20.7	22.6	43.5
287.600000	21.0	1000.0	120.000	174.0	V	14.0	21.3	25.0	46.0
431.520000	25.9	1000.0	120.000	132.0	V	133.0	25.1	20.1	46.0
704.480000	32.1	1000.0	120.000	155.0	V	359.0	31.2	14.0	46.0

30-1000MHz Radiated Emission

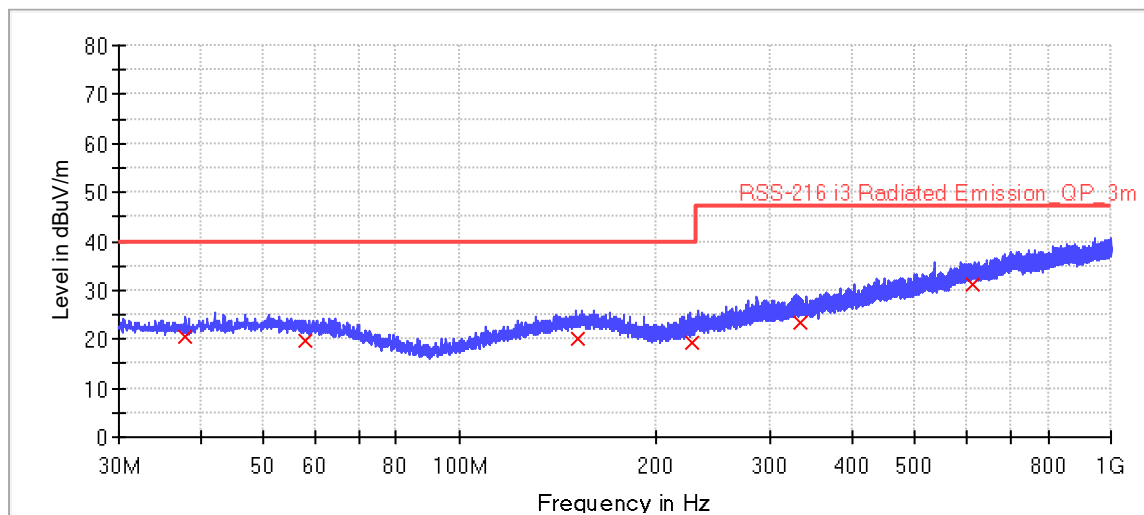
EUT Information

EUT Name: Magnetic Wireless Power Bank
Model: PB579
Client: Ugreen Group Limited
Op Cond: Wireless charging iPhone 25W, TX: 360kHz
Operator: Chengjie GUO
Standard: RSS 216
Sample No.: SHA-1066941-1

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
Receiver: [ESR 3]
Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamp
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
38.000000	20.4	1000.0	120.000	175.0	H	175.0	19.6	19.6	40.0
58.000000	19.6	1000.0	120.000	152.0	H	11.0	20.1	20.4	40.0
151.800000	20.3	1000.0	120.000	125.0	H	147.0	20.7	19.8	40.0
227.960000	19.2	1000.0	120.000	164.0	H	1.0	18.3	20.8	40.0
334.640000	23.5	1000.0	120.000	174.0	H	14.0	22.7	23.5	47.0
612.920000	31.3	1000.0	120.000	122.0	H	35.0	29.8	15.7	47.0

30-1000MHz Radiated Emission

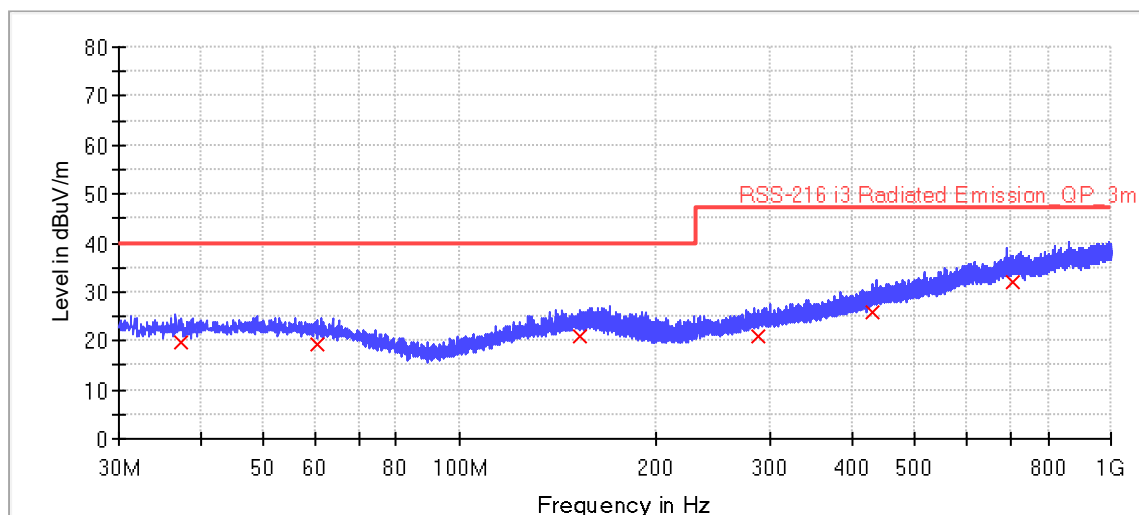
EUT Information

EUT Name: Magnetic Wireless Power Bank
 Model: PB579
 Client: Ugreen Group Limited
 Op Cond: Wireless charging iPhone 25W, TX: 360kHz
 Operator: Chengjie GUO
 Standard: RSS 216
 Sample No.: SHA-1066941-1

Sweep Setup: RE_VULB9168_pre_Cont_30-1000 [EMI radiated]

Hardware Setup: RE_VULB9168
 Receiver: [ESR 3]
 Level Unit: dBuV/m

Subrange	Step Size	Detectors	Bandwidth	Sweep Time	Preamplifier
30 MHz - 1 GHz	48.5 kHz	PK+	120 kHz	0.2 s	20 dB



Limit and Margin

Frequency (MHz)	QuasiPeak (dBuV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Margin - QPK (dB)	Limit - QPK (dBuV/m)
37.440000	19.8	1000.0	120.000	175.0	V	142.0	19.6	20.2	40.0
60.320000	19.3	1000.0	120.000	145.0	V	359.0	19.9	20.7	40.0
153.480000	20.9	1000.0	120.000	144.0	V	11.0	20.7	19.1	40.0
287.600000	21.0	1000.0	120.000	174.0	V	14.0	21.3	26.0	47.0
431.520000	25.9	1000.0	120.000	132.0	V	133.0	25.1	21.1	47.0
704.480000	32.1	1000.0	120.000	155.0	V	359.0	31.2	15.0	47.0

Remark:

The worst-case data were reported, and no other spurious and harmonics emissions were reported greater than listed emission above table.

9.3 Restricted frequency bands and bandwidth

Test Method: 20dB bandwidth

1. Use the following spectrum analyzer settings:
RBW=300Hz, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
2. Use the automatic bandwidth measurement capability of an instrument, may be employed using the X dB bandwidth mode with X set to 20 dB, care shall be taken so that the bandwidth measurement is not influenced by any intermediate power nulls in the fundamental emission that might be $\geq$ 20 dB.
3. Allow the trace to stabilize, record the X dB Bandwidth value.

Test Method: occupied bandwidth

1. Use the following spectrum analyzer settings:
RBW=300Hz, VBW $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
2. Allow the trace to stabilize. Use the 99 % power bandwidth function of the instrument. Record the results.

Limit

According to FCC 15.205 and RSS-GEN §8.10, the transmit frequency, including fundamental components of modulation, of licence-exempt radio apparatus shall not fall within the restricted frequency bands listed in table below

FCC 15.205

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15.
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46.
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75.
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5.
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2.
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5.
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7.
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4.
6.31175-6.31225	123-138	2200-2300	14.47-14.5.
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2.
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4.
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12.
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0.
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8.
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5.
12.57675-12.57725	322-335.4	3600-4400	Above 38.6.
13.36-13.41			

RSS-GEN 8.10

Table 7 – Restricted frequency bands*

MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 - 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 - 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 - 138	--	

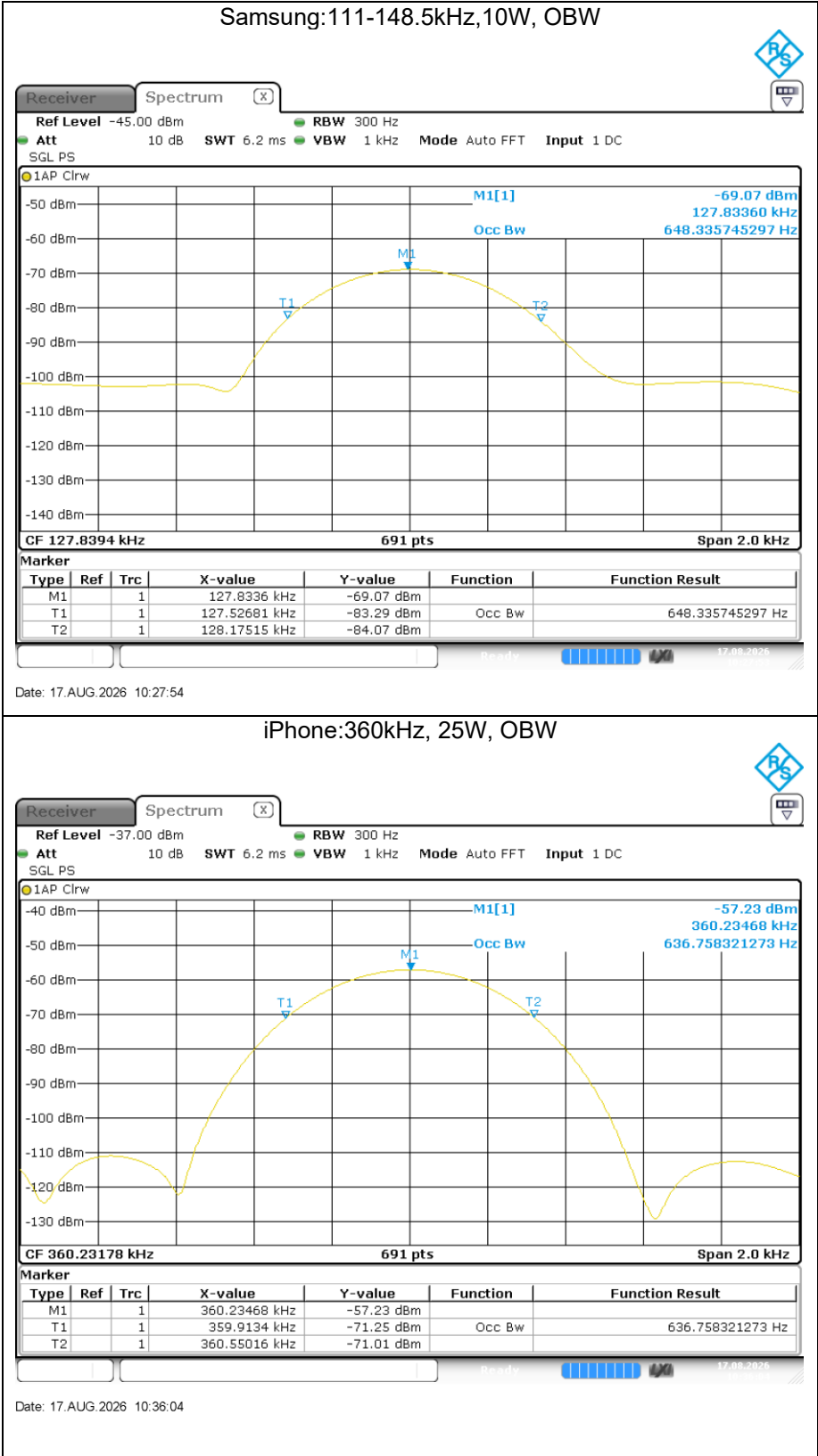
* Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

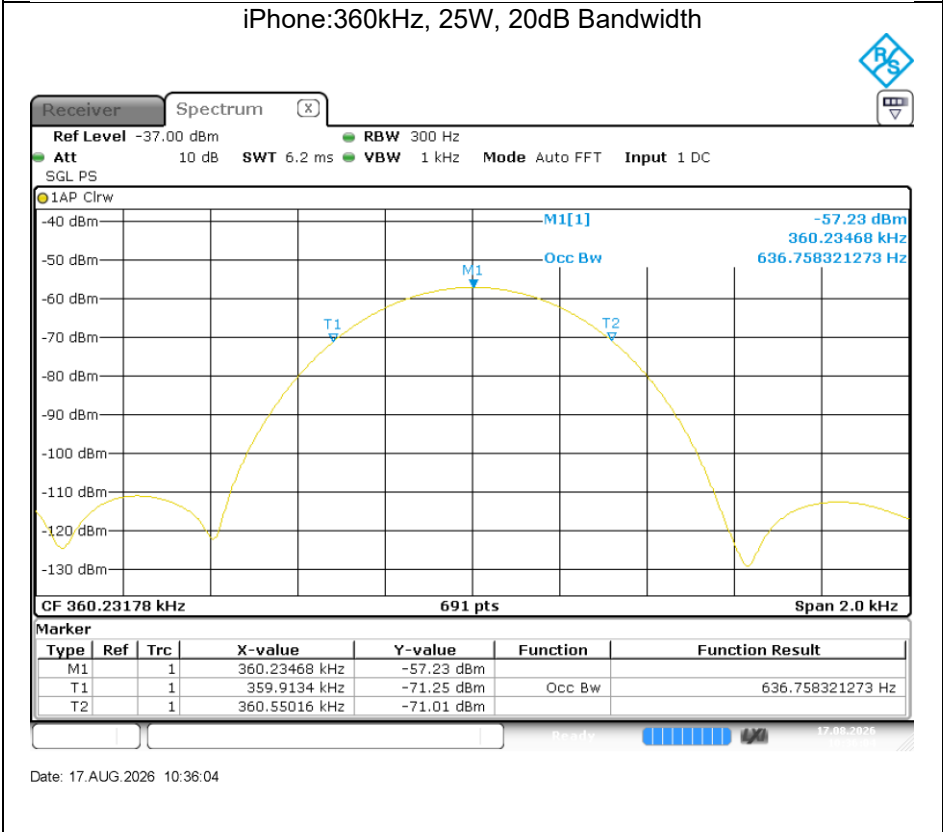
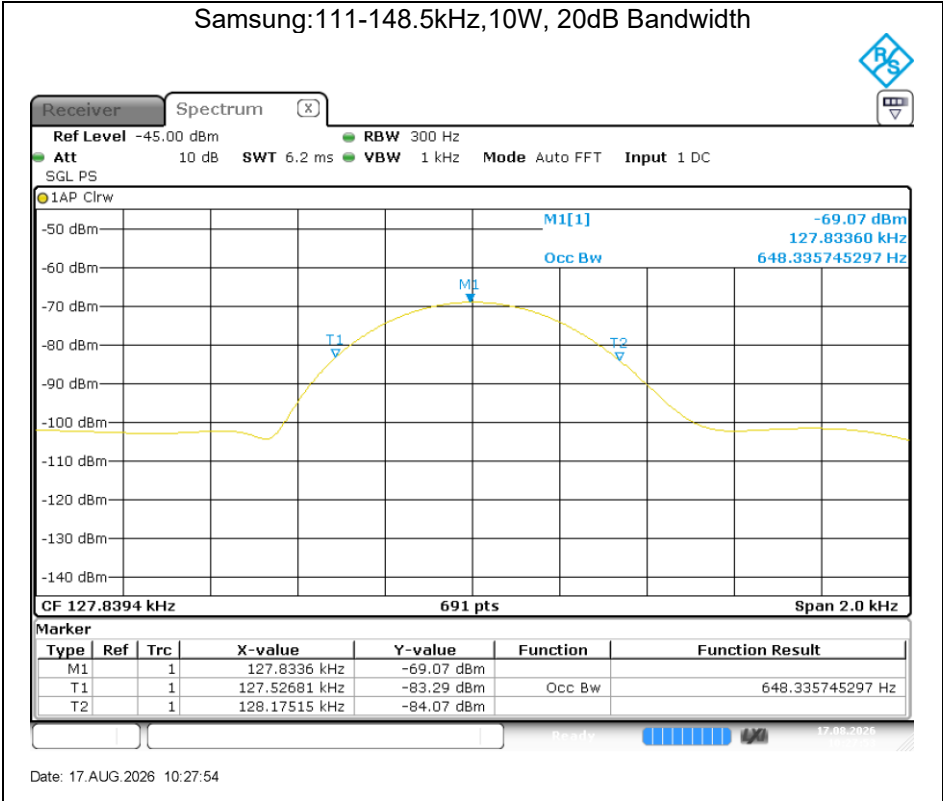
Test result

Operation Mode	99% bandwidth Hz	Result		Result
		F _L (KHz)	F _H (KHz)	
Samsung:111-148.5kHz,10W	648.335	127.526	128.175	Pass
iPhone:360kHz, 25W	636.758	359.913	360.550	Pass

Operation Mode	20 bandwidth Hz	Result		Result
		F _L (KHz)	F _H (KHz)	
Samsung:111-148.5kHz,10W	733.33	127.460	128.193	Pass
iPhone:360kHz, 25W	749.93	359.855	360.605	Pass

The fundamental frequency is outside the restricted bands of FCC part15.205 and RSS-GEN §8.10.







9.4 Frequency stability

Test Method

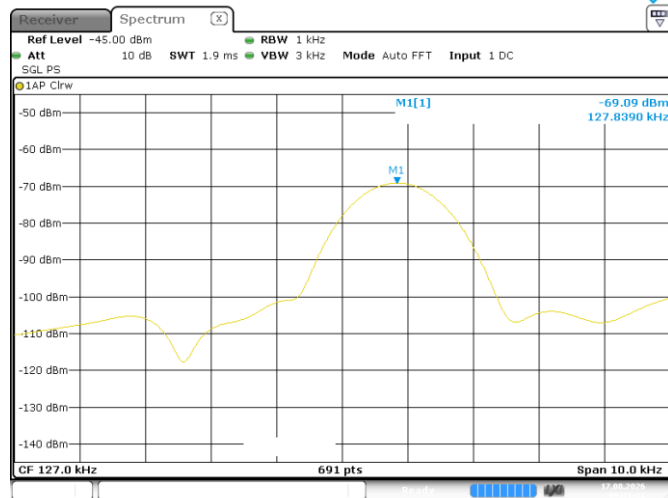
1. Set center frequency of the channel under test.
2. Set detector to peak.
3. Set RBW: 1kHz, VBW: 3RBW
4. Set Span: Encompass the entire emissions bandwidth (EBW) of the signal.
5. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency.
6. Repeat the test at normal voltage and under temperature at -20°C, +20°C and +50°C.

Test result

Operation Mode	Temperature	Result (kHz)	Result
Samsung:111-148.5kHz,10W	+5°C	127.839	Pass
	+20°C	127.825	Pass
	+35°C	127.839	Pass
iPhone:360kHz, 25W	+5°C	360.232	Pass
	+20°C	360.246	Pass
	+35°C	360.232	Pass

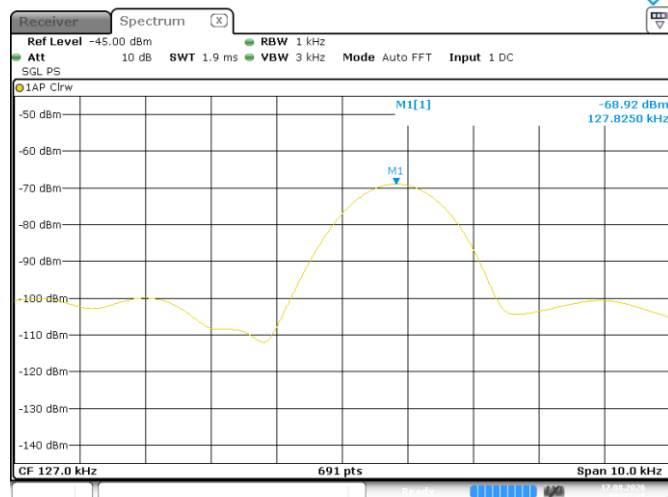
Remark: The product can't not work out of temperature +5°C to +35°C which was stated in user manual.

Samsung:111-148.5kHz,10W at +5°C



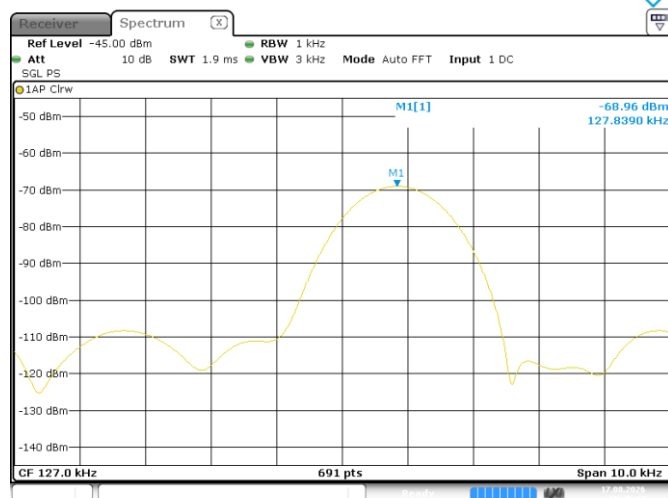
Date: 17.AUG.2026 09:31:31

Samsung:111-148.5kHz,10W at +20°C



Date: 17.AUG.2026 09:57:37

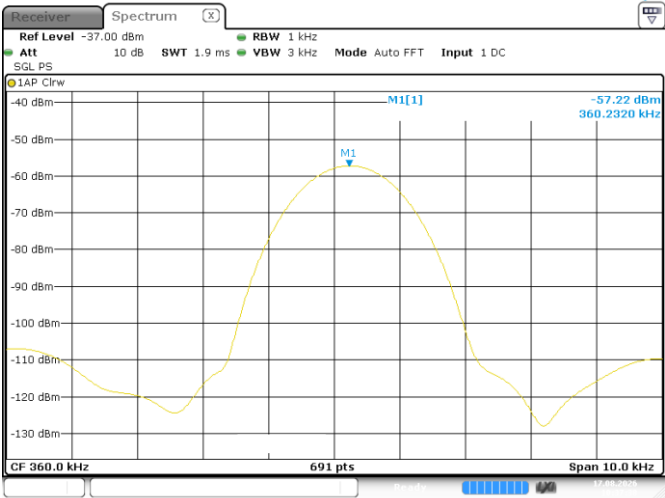
Samsung:111-148.5kHz,10W at +35°C



Date: 17.AUG.2026 10:25:43

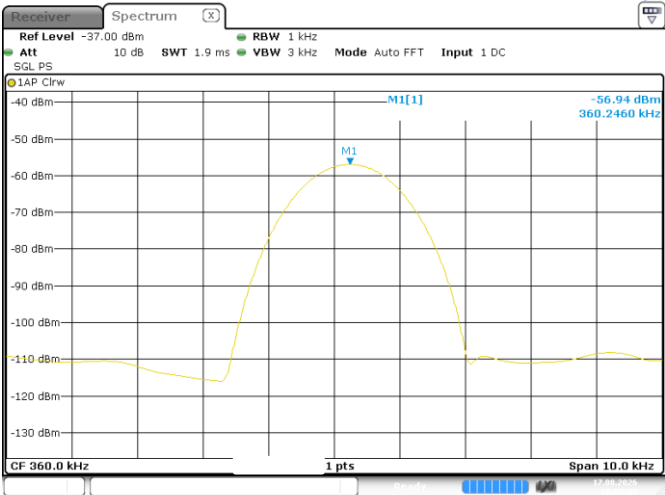


iPhone:360kHz, 25W at +5°C



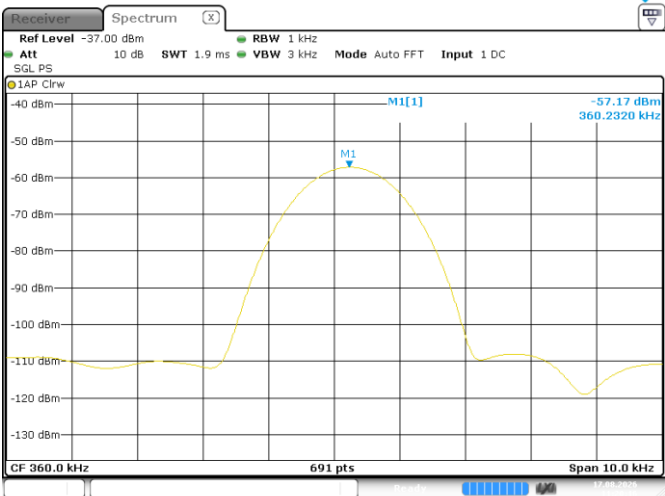
Date: 17.AUG.2026 10:37:38

iPhone:360kHz, 25W at +20°C



Date: 17.AUG.2026 10:59:08

iPhone:360kHz, 25W at +35°C



Date: 17.AUG.2026 11:20:17

10. Test Equipment List

Conducted Emission

Description	Model no.	Manufacturer	Equipment ID.	Calibration Date	Calibration Due
EMI test receiver	ESR3	R&S	S1503001-YQ-EMC	2026-8-3	2027-8-2
2-Line V-network	ENV216	R & S	S1503103-YQ-EMC	2026-8-3	2027-8-2
CE_Cable_01 Coaxial Cable	RG400	HUBER+SUH NER	1002115055	2026-8-3	2027-8-2

Radiated Emission Test

USED	Equipment Name	Model	Manufacturer	Equipment ID.	Calibration Date	Calibration Due
☒	EMI test receiver	ESR3	R&S	S1503109-YQ-EMC	2026-8-3	2027-8-2
☒	Trilog super broadband test antenna	SCHWARZBECK	VULB9168	S1808296-YQ-EMC	2026-6-25	2027-6-24
☐	Double-ridged waveguide horn antenna	HF907	R&S	S1503009-YQ-EMC	2026-4-14	2027-4-13
☐	Signal and spectrum analyzer	FSV40	R&S	S1503003-YQ-EMC	2026-8-3	2027-8-2
☒	Loop antenna	HFH2-Z2	R&S	S1503013-YQ-EMC	2026-6-25	2027-6-24
☒	RE_Cable_01 Coaxial Cable	MWX221	JUNFLON	1906S057	2026-8-3	2027-8-2
☒	RE_Cable_02 Coaxial Cable	RG214	HUBER+SUH NER	1358176	2026-8-3	2027-8-2
☒	RE_Cable_03 Coaxial Cable	MWX221	JUNFLON	J12J102482	2026-8-3	2027-8-2

Bandwidth test

USED	Equipment Name	Model	Manufacturer	Equipment ID.	Calibration Date	Calibration Due
☒	EMI test receiver	ESR3	R&S	S1503109-YQ-EMC	2026-8-3	2027-8-2

Frequency stability

USED	Equipment Name	Model	Manufacturer	Equipment ID.	Calibration Date	Calibration Due
☒	EMI test receiver	ESR3	R&S	S1503109-YQ-EMC	2026-8-3	2027-8-2
☒	Temperature Chamber	Shanghai HUCAN	HTT-100AP	S2201430b -YQ-EMC	2025-11-3	2026-11-2

Measurement Software Information

Test Item	Software	Manufacturer	Version
CE	EMC 32	Rohde & Schwarz	V9.15.03
RE	EMC 32	Rohde & Schwarz	V10.50.40



11. Measurement System Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

Items	Extended Uncertainty
Conducted Disturbance at Mains Terminals	9kHz to 30MHz, LISN, 3.16dB
Radiated Disturbance	9kHz to 30MHz, 3.52dB 30MHz to 1GHz, 5.03dB (Horizontal) 5.12dB (Vertical)
Spurious Emission Conducted Measurement	9kHz ~40GHz, 1.224dB

Measurement Uncertainty Decision Rule:

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.3.3.

-----End of Test Report-----