

FCC TEST REPORT	
Report number	ITA26B06001047W 001
Test date	2026-06-10 to 2026-07-17
Issue date	2026-07-17
Total number of pages	21
Standard/according to	FCC CFR Title 47 Part15 Subpart C ANSI C63.10-2020 + Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024
Testing laboratory.....	Itestek Testing Co., Ltd. (Dongguan)
Address.....	Floor 6, Building 3, Innovation Port of Hanyuwan, Liyuan Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Template version	V2.0
Tested by	Tom Zhang <i>tom zhang</i>
Checked by	Oliver Qiao <i>Oliver Qiao</i>
Approved by	Rock Huang <i>Rock Huang</i>
	
Applicant's name	Shenzhen Autige Technology Co., Ltd
Address.....	3rd Floor, Building A, Zhaofeng Industrial Zone, No. 3 Hangkong Road, Hangcheng Street, Baoan District, 518126, Shenzhen, China
Manufacturer's name.....	Shenzhen Autige Technology Co., Ltd
Address.....	3rd Floor, Building A, Zhaofeng Industrial Zone, No. 3 Hangkong Road, Hangcheng Street, Baoan District, 518126, Shenzhen, China
Factory's name.....	Shenzhen Autige Technology Co., Ltd
Address.....	3rd Floor, Building A, Zhaofeng Industrial Zone, No. 3 Hangkong Road, Hangcheng Street, Baoan District, 518126, Shenzhen, China
Trade mark.....	N/A
Product description	25W Magnetic Wireless Charger
Model/Type reference	W76A, W76B, W76C
Ratings.....	Input: 5Vdc 3A, 9Vdc 3A, 12Vdc 3A, 15Vdc 3A PPS: 5V-21Vdc, 2A Wireless charging output: 5W, 7.5W, 10W, 15W, 25W
FCC ID	2A5UA-W76C
Test result.....	Pass

1. VERSION

Revision History of Report

Report No.	Version	Description	Issue Date
ITA26B06001047W 001	Rev.01	Initial report	2026-07-01

We Declare:

1. This report shall not be partially reproduced without the consent of the laboratory.
2. If the report without tester's signature, auditor's signature, approver's signature and inspection seal, the report is invalid.
3. The test results are valid only for the tested samples.
4. After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Testing laboratory:

Itestek Testing Co., Ltd. (Dongguan)

Floor 6, Building 3, Innovation Port of Hanyuwan, Liyuan Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

FCC designation number CN1436

A2LA has accredited, certificate Number 7609.01

2. SUMMARY OF TEST RESULTS

Requirement	CFR47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Spurious Emission	§15.209	PASS
Occupied Bandwidth	§15.215(c)	PASS

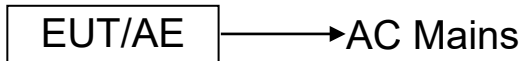
3. GENERAL TEST INFORMATION

3.1 DESCRIPTION OF EUT

Details of technical specification refer to the description in follows:

Product:	25W Magnetic Wireless Charger
Model Number:	W76C
Additional Model:	W76A, W76B
Different:	All models are identical, except model name.
Frequency Range:	110.1kHz-205kHz, 360kHz
Modulation Technique:	ASK
Antenna Type:	Coil Antenna
Antenna Gain:	0 dBi
Temperature Range:	-20°C ~ +35°C
Hardware version:	V1.0
Software version:	V1.0

3.2 BLOCK DIAGRAM EUT CONFIGURATION FOR TEST



Number	Modes
1	Wireless charging
2	--

3.3 TEST ENVIRONMENT CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

Temperature range:	15-35 °C
Humidity range:	30-75 %
Pressure range:	86-106 kPa

3.4 TEST ENVIRONMENT CONDITIONS

Device Type	Manufacturer	Model Name	Serial No.	Data Cable	Power Cable
Load	Itestek	RV V3.1	--	--	--
Power supply	Autige	PD power 45W	--	--	--

3.5 MEASUREMENT UNCERTAINTY

Test Item	Uncertainty
Uncertainty for Conduction emission test	3.30 dB
Uncertainty for Radiation Emission test for 30MHz to 1GHz	4.12 dB (Polarize: V)
	4.54 dB (Polarize: H)
Uncertainty for Radiation Emission test for 9KHz to 30Mhz	4.11 dB (Polarize: V)
	4.15 dB (Polarize: H)
Radio Frequency	± 20Hz

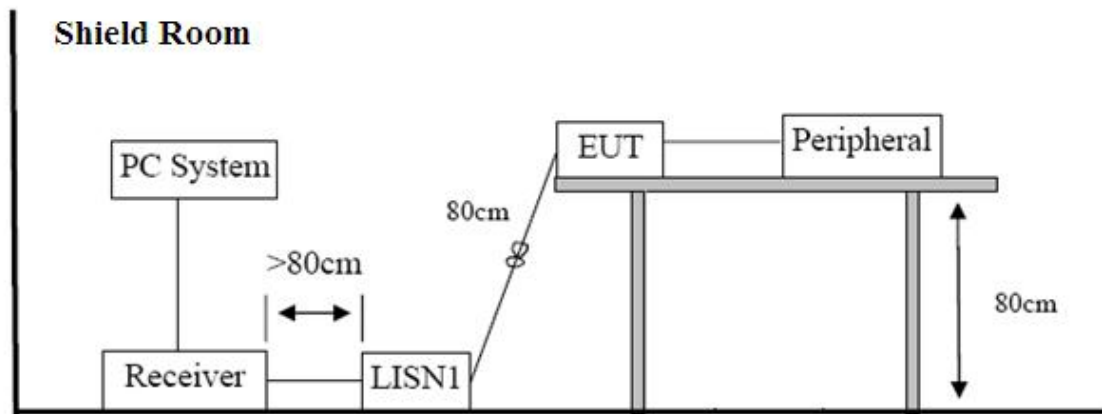
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

4. DISTURBANCE VOLTAGES (MAINS TERMINALS)

4.1 TEST EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	Test Receiver	R&S	ESPI	100108	2027-01-04
2	LISN	Schwarzbeck	NSLK8127	005092	2027-01-04
3	Limitator	Schwarzbeck	VTSD9561 F-N	000918	2027-01-04
3	LISN	Schwarzbeck	VN1-13S	8127432	2026-11-18
4	RF Cable	HUBER	LEX30	/	2027-01-04
6	MEASUREMENT SOFTWARE	Tongscent	TS+ (V:1.0)	N/A	N/A

4.2 BLOCK DIAGRAM OF TEST SETUP



4.3 LIMITS FOR CONDUCTED DISTURBANCE AT THE MAINS PORTS

Frequency	At mains terminals (dB μ V)	
	Quasi-peak Level	Average Level
150k-0.5MHz	66 ~ 56*	56 ~ 46*
0.5M-5.0MHz	56	46
5.0M-30.0MHz	60	50

Note1: Decreasing linearly with logarithm of frequency.

Note2: The lower limit shall apply at the transition frequencies.

4.4 TEST PROCEDURE

The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). It provides a 50 ohm / 50 μ H coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 ohm / 50 μ H coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photograph.)

Both sides of AC line are checked for the maximum conducted emission interference. In order to find the maximum emissions, the relating positions of equipment and all of the interference cables must be changed according to FCC PART 15 regulation: The measurement procedure on conducted emission interference.

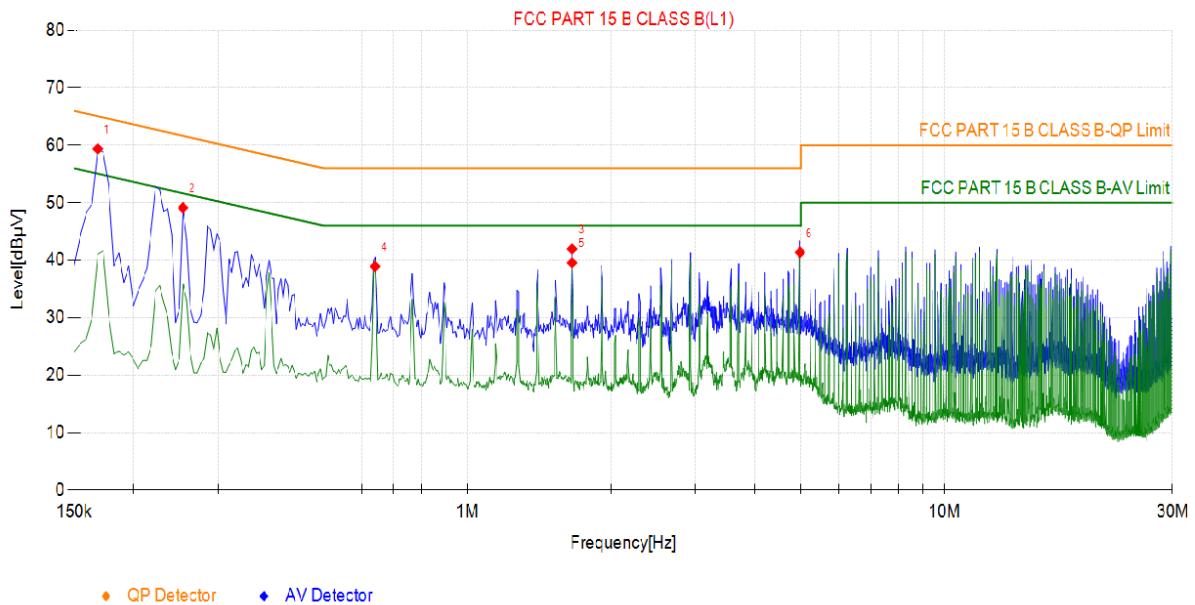
The resolution bandwidth of the field strength meter is set at 9 KHz.

4.5 TEST RESULT

PASS. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

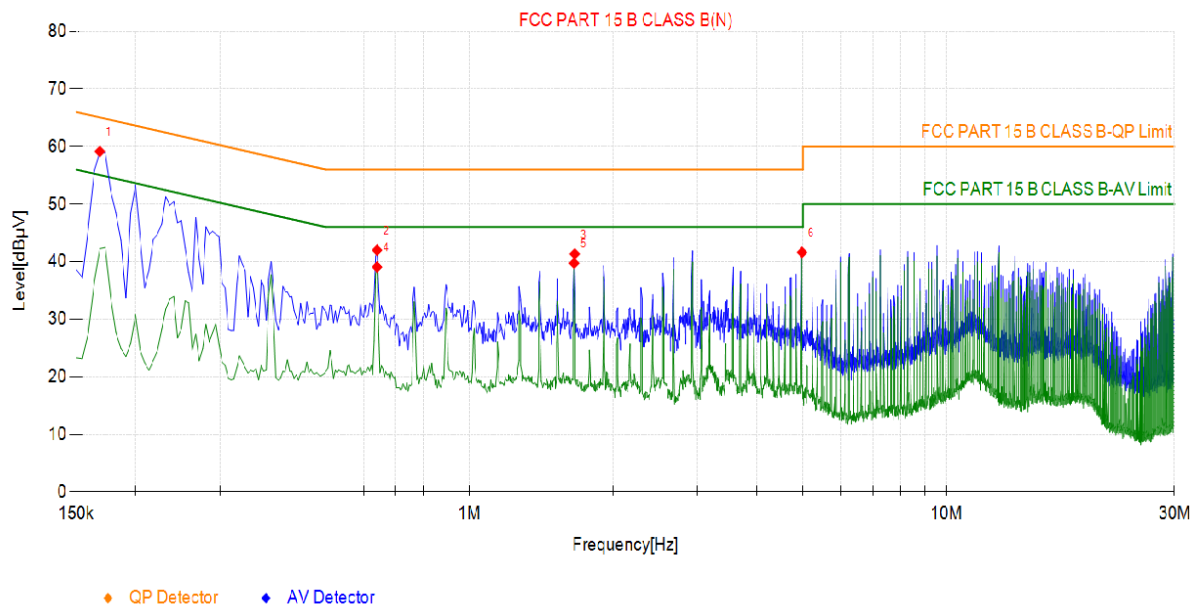
Note2: Margin = Limit - Level.



EUT	25W Magnetic Wireless Charger	Model No	W76C
Temperature (°C)	24.1 °C	Test Voltage	120Vac, 60Hz for power supply
Humidity (%)	54 %	Test Mode.....	Wireless charging
Limit.....	FCC PART 15 Class B	Phase.....	L
Note			

Suspected List

NO.	Freq. [MHz]	Level [dBμV]	Factor [dB]	Limit [dBμV]	Margin [dB]	Detector	Verdict
1	0.168	59.37	10.75	65.06	5.69	PK	PASS
2	0.2535	49.12	10.81	61.64	12.52	PK	PASS
3	1.6575	41.97	10.95	56.00	14.03	PK	PASS
4	0.6405	38.93	10.89	46.00	7.07	AV	PASS
5	1.6575	39.56	10.95	46.00	6.44	AV	PASS
6	4.9785	41.38	11.13	46.00	4.62	AV	PASS



EUT	25W Magnetic Wireless Charger	Model No	W76C
Temperature (°C)	24.1 °C	Test Voltage	120Vac, 60Hz for power supply
Humidity (%)	54 %	Test Mode.....	Wireless charging
Limit.....	FCC PART 15 Class B	Phase.....	N
Note			

Suspected List

NO.	Freq. [MHz]	Level [dBµV]	Factor [dB]	Limit [dBµV]	Margin [dB]	Detector	Verdict
1	0.168	59.15	10.70	65.06	5.91	PK	PASS
2	0.6405	42.00	10.88	56.00	14.00	PK	PASS
3	1.662	41.34	10.94	56.00	14.66	PK	PASS
4	0.6405	39.07	10.88	46.00	6.93	AV	PASS
5	1.6575	39.74	10.94	46.00	6.26	AV	PASS
6	4.9785	41.62	11.04	46.00	4.38	AV	PASS

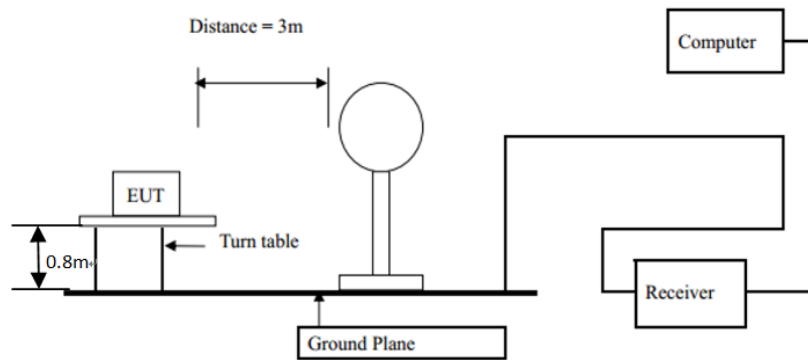
5. RADIATED DISTURBANCE TEST

5.1 TEST EQUIPMENT

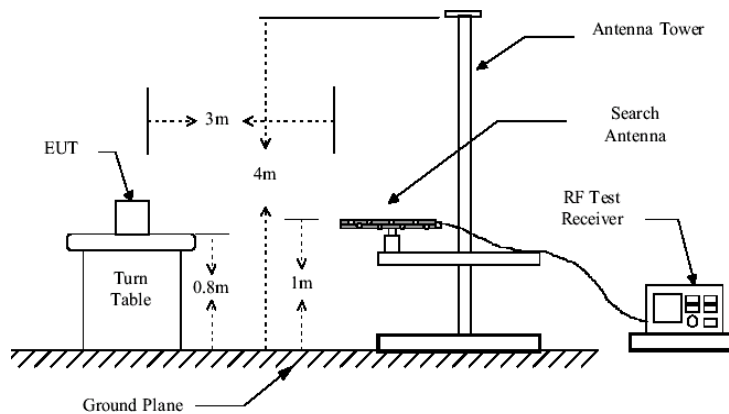
Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI 7	100969	2027-01-04
2	TRILOG BROADBAND ANTENNA	Schwarzbeck	VULLB9168	01326	2026-04-12
3	PRE-AMPLIFIER	R&S	TAP9K3G32	AP21180616 4	2027-01-04
4	RF CABLE	HUBER	LEX15	N/A	2027-01-04
5	RF CABLE	HUBER	LEX100	N/A	2027-01-04
6	Loop Antenna	TESEQ	HLA6121	58357	2026-11-18
7	MEASUREMENT SOFTWARE	Tongscent	TS+ (V:1.0)	N/A	N/A

5.2 BLOCK DIAGRAM OF TEST SETUP

For radiated emissions below 30MHz



For radiated emissions 30MHz to 1GHz



5.3 RADIATED DISTURBANCE LIMIT

Frequency	Measurement (micro volts/meter) Distance(meters)	Field Strength
0.009-0.490	2400/F(KHz)	300
0.490-1.705	24000/F(KHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

5.4 TEST PROCEDURE

The EUT and its simulators are placed on turn table, non-conductive and wooden table, which is 0.8 meter above ground. The turn table rotates 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that distance from antenna to the EUT is 3 meters. For the frequency range is above 1 GHz, the EUT was positioned such that distance from antenna to the EUT is 3 meters.

The antenna is moved up and down between 1 meter to 4 meters to receive the maximum emission level. below 30MHz, The antenna is 1meter.

Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission, all of the interference cables must be manipulated according to FCC PART 15 regulation: the test procedure of the radiated emission measurement.

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
9kHz-150kHz	Quasi-peak	200Hz	1kHz	Quasi-peakValue
150kHz-30MHz	Quasi-peak	9kHz	30kHz	Quasi-peakValue
30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peakValue
Note: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 KHz, 110-490KHzandabove1000MHz.Radiatedemissionlimitsinthesethreebandsare based on measurements employing an average detector.				

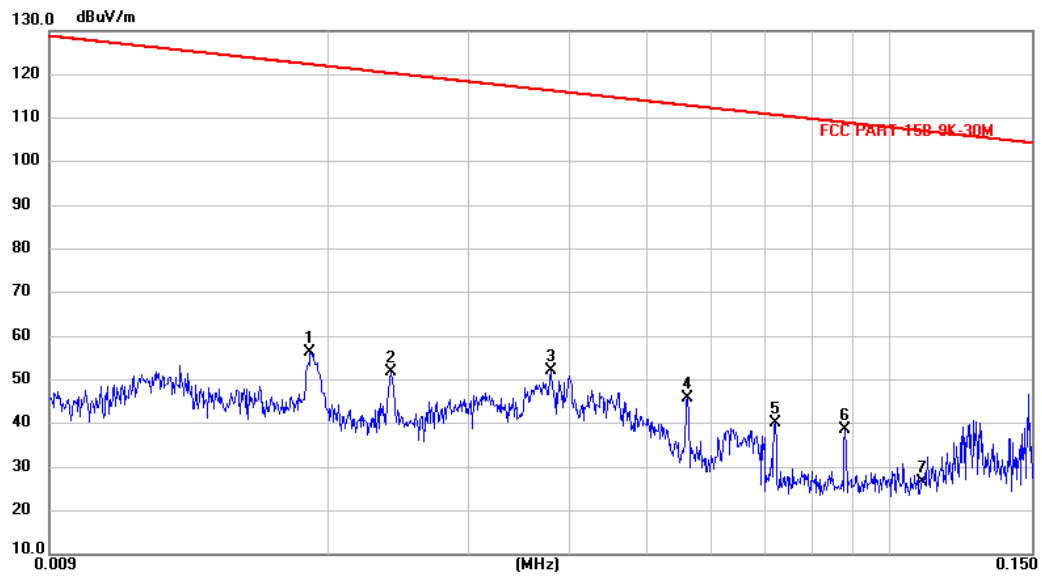
5.5 TEST RESULT

PASS. (See below detailed test result)

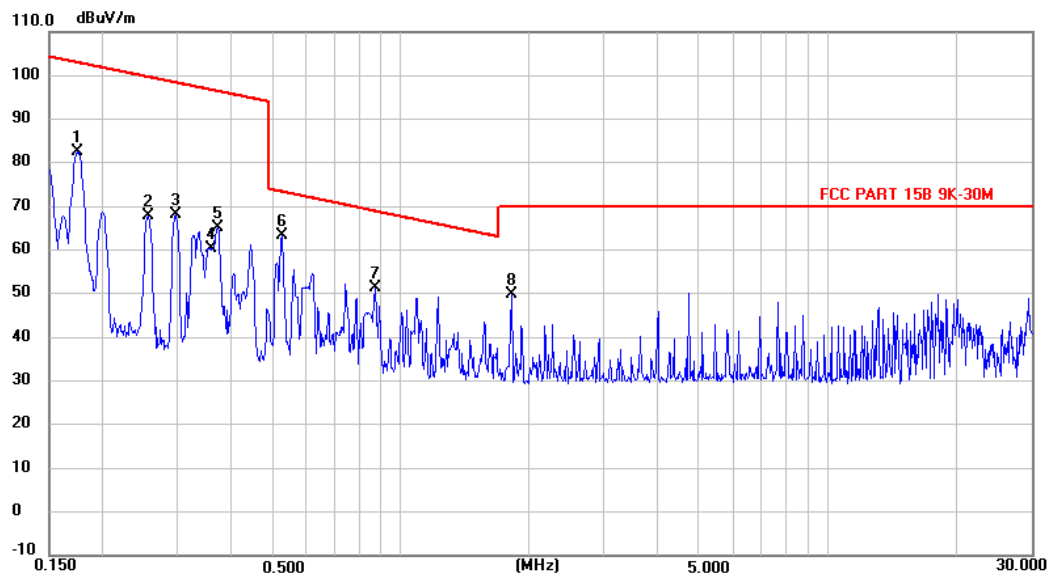
Note 1: All emissions not reported below are too low against the prescribed limits.

Note 2: Factor = Antenna Factor + Cable Loss - Amp Factor, Margin = Limit - Level

Frequency Range : 9KHz~30MHz

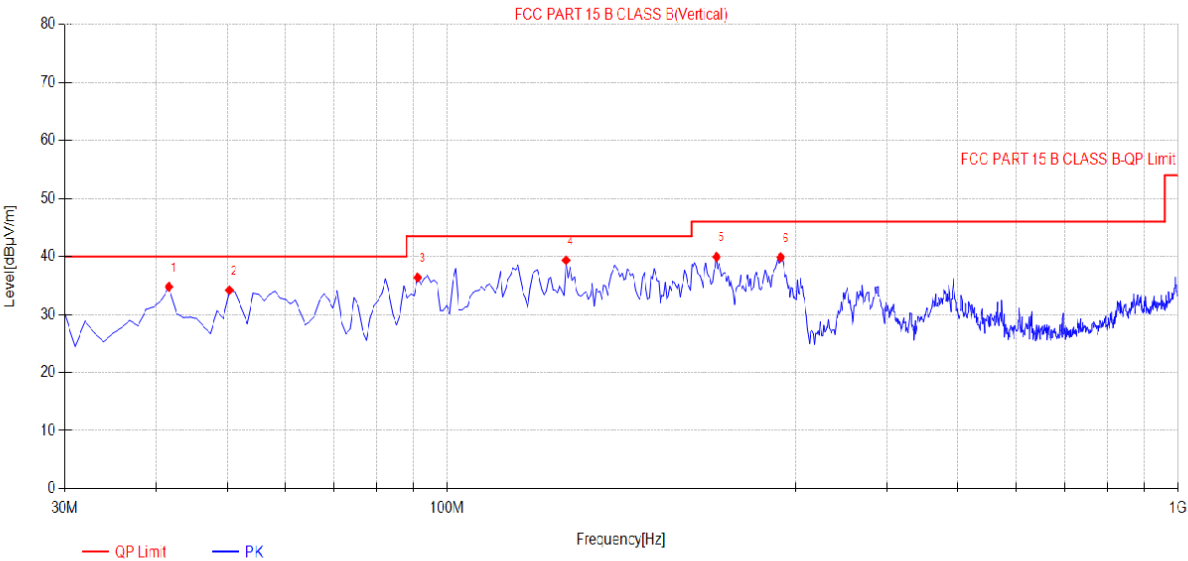


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0190	36.03	20.35	56.38	122.29	-65.91	peak	100	360	P	
2	0.0240	31.81	20.09	51.90	120.26	-68.36	peak	100	360	P	
3 *	0.0380	32.56	19.65	52.21	116.26	-64.05	peak	100	360	P	
4	0.0561	26.43	19.46	45.89	112.87	-66.98	peak	100	360	P	
5	0.0721	20.86	19.43	40.29	110.68	-70.39	peak	100	360	P	
6	0.0880	19.20	19.43	38.63	108.95	-70.32	peak	100	360	P	
7	0.1100	7.21	19.51	26.72	107.01	-80.29	peak	100	360	P	



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.1757	63.06	19.46	82.52	102.93	-20.41	peak	100	0	P	
2	0.2555	48.53	19.39	67.92	99.67	-31.75	peak	100	0	P	
3	0.2967	48.85	19.35	68.20	98.37	-30.17	peak	100	0	P	
4	0.3570	40.87	19.42	60.29	96.68	-36.39	peak	100	0	P	
5	0.3605	45.83	19.43	65.26	96.41	-31.15	peak	100	0	P	
6 *	0.5255	43.85	19.47	63.32	73.38	-10.06	QP	100	0	P	
7	0.8762	31.78	19.67	51.45	68.87	-17.42	QP	100	0	P	
8	1.8228	30.27	19.62	49.89	70.00	-20.11	QP	100	0	P	

FrequencyRange : 30MHz~1000MHz



EUT: 25W Magnetic Wireless Charger

Model No: W76C

Temperature (°C): 24.1 °C

Test Voltage: 120Vac, 60Hz for power supply

Humidity (%): 54 %

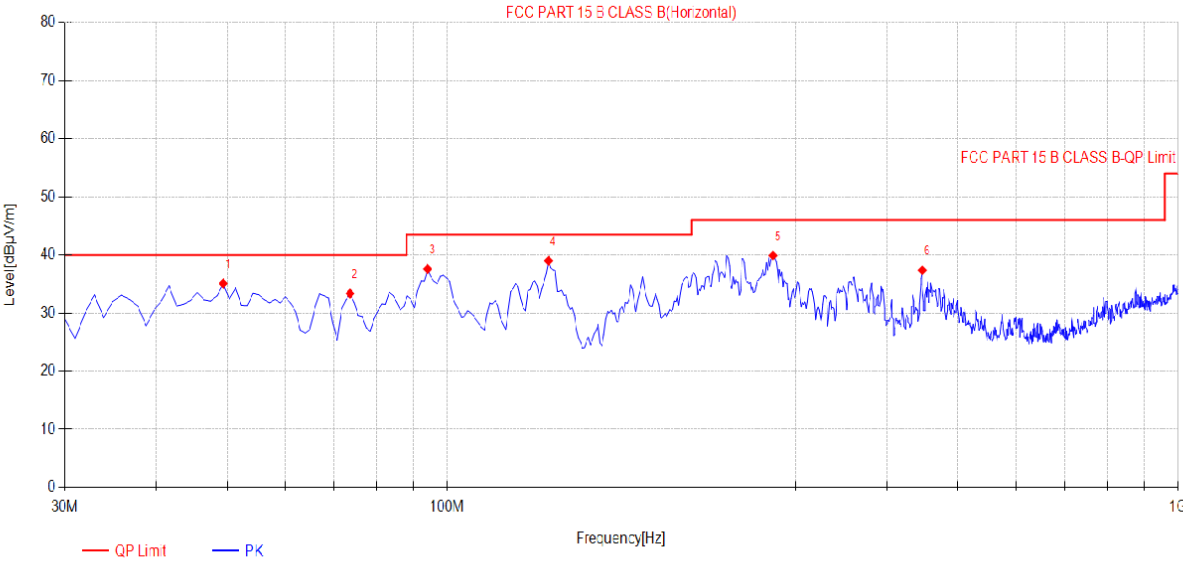
Test Mode.....: Wireless charging

Limit.....: FCC PART 15 Class B 3m

Phase.....: Vertical

Note:

Suspected Data List								
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	41.64	34.78	-12.98	40.00	5.22	100	255	Vertical
2	50.37	34.19	-13.03	40.00	5.81	100	255	Vertical
3	91.11	36.37	-17.42	43.50	7.13	100	269	Vertical
4	145.43	39.35	-13.89	43.50	4.15	100	93	Vertical
5	233.7	39.93	-13.55	46.00	6.07	100	255	Vertical
6	286.08	39.86	-11.21	46.00	6.14	100	357	Vertical



EUT	25W Magnetic Wireless Charger	Model No	W76C
Temperature (°C)	24.1 °C	Test Voltage	120Vac, 60Hz for power supply
Humidity (%)	54 %	Test Mode.....	Wireless charging
Limit.....	FCC PART 15 Class B 3m	Phase.....	Horizontal
Note			

Suspected Data List								
NO.	Freq. [MHz]	Level [dBμV/m]	Factor [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	49.4	35.09	-13.00	40.00	4.91	100	284	Horizontal
2	73.65	33.36	-15.87	40.00	6.64	200	352	Horizontal
3	94.02	37.58	-17.21	43.50	5.92	200	358	Horizontal
4	137.67	39.00	-13.48	43.50	4.50	200	231	Horizontal
5	279.29	39.90	-12.08	46.00	6.10	100	360	Horizontal
6	447.1	37.37	-7.00	46.00	8.63	100	116	Horizontal

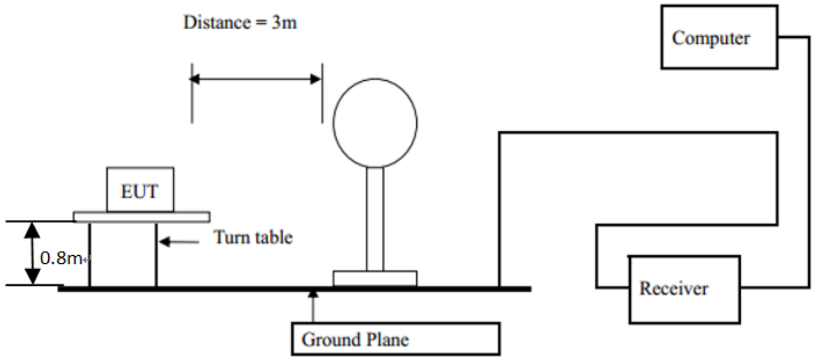
6. OCCUPIED BANDWIDTH

6.1 TEST EQUIPMENT

Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI 7	100969	2027-01-04
2	LOOP ANTENNA	TESEQ	HLA6121	58357	2027-01-04
3	TRILOG BROADBAND ANTENNA	Schwarzbeck	VULLB9168	01326	2026-04-12
4	PRE-AMPLIFIER	R&S	TAP9K3G32	AP211806164	2027-01-04
5	RF CABLE	HUBER	LEX15	N/A	2027-01-04
6	RF CABLE	HUBER	LEX100	N/A	2027-01-04

6.2 BLOCK DIAGRAM OF TEST SETUP

For radiated emissions below 30MHz



6.3 TEST PROCEDURE

According to the above Test-setup, keep the relative position between the artificial antenna and the EUT. Set to the maximum power setting and enable the EUT transmit continuously.

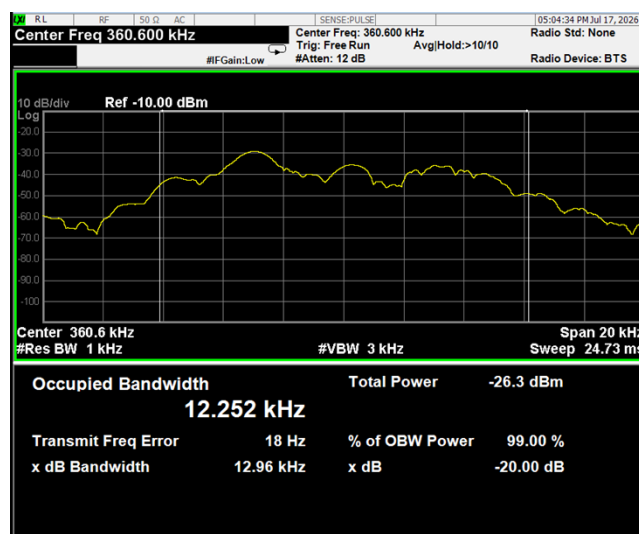
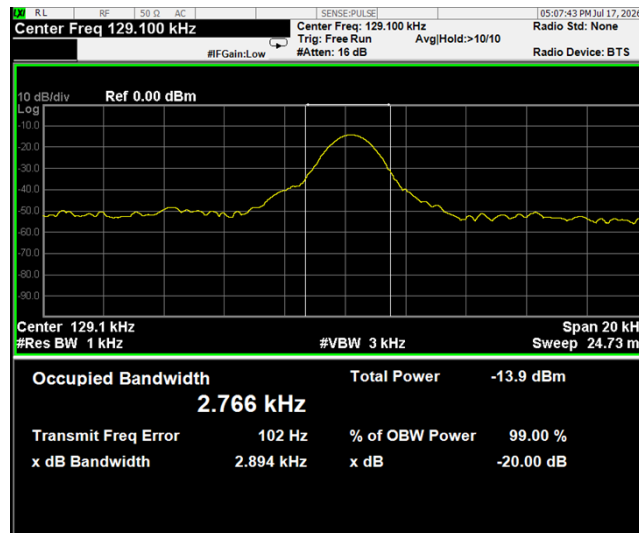
Use the following spectrumanalyzer settings for 20dB Bandwidth measurement.

Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW $\geq$ 1% of the 20 dB bandwidth; VBW $\geq$ RBW; Sweep=auto; Detector function= peak; Trace = max hold.

Measurements record the results in the test report.

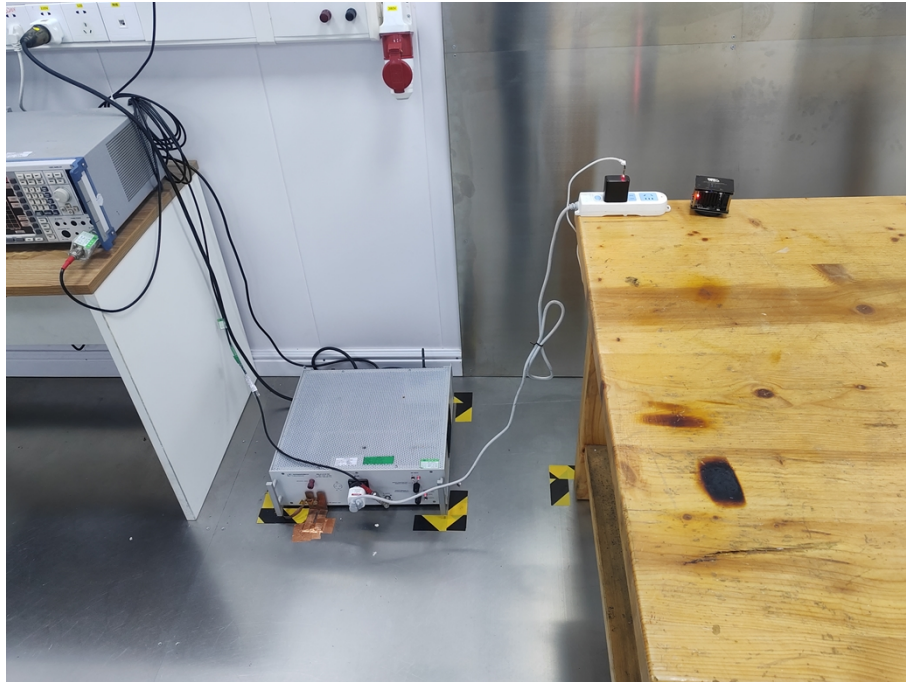
6.4 TEST RESULT

Frequency (KHz)	20dB bandwidth (KHz)	Result
129.1	2.894	Pass
360.6	12.96	Pass



7. TEST SETUP PHOTOGRAPH

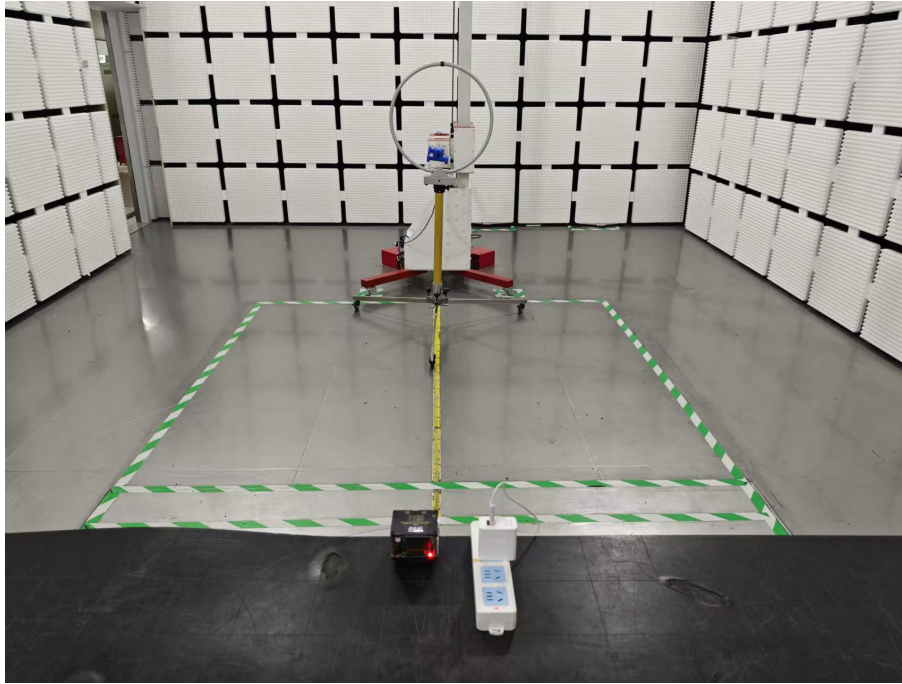
7.1 PHOTOS OF CONDUCTED EMISSION TEST



7.2 PHOTOS OF RADIATED EMISSION TEST



7.3 PHOTOS OF RADIATED EMISSION TEST

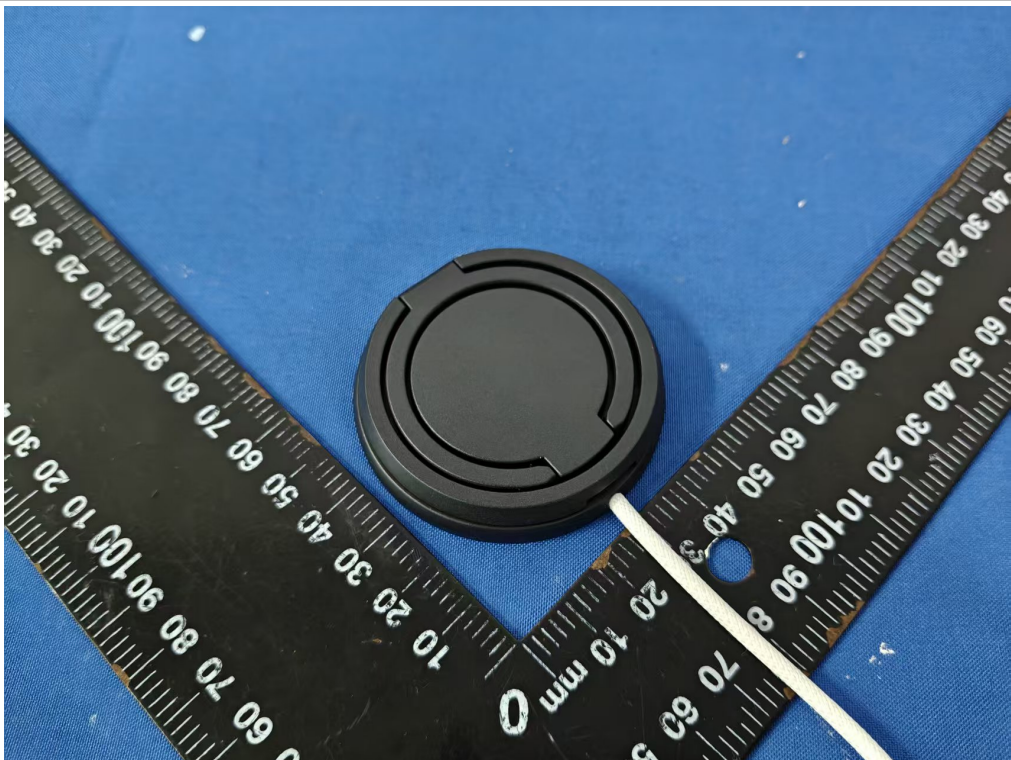


8. PHOTOS OF EUT

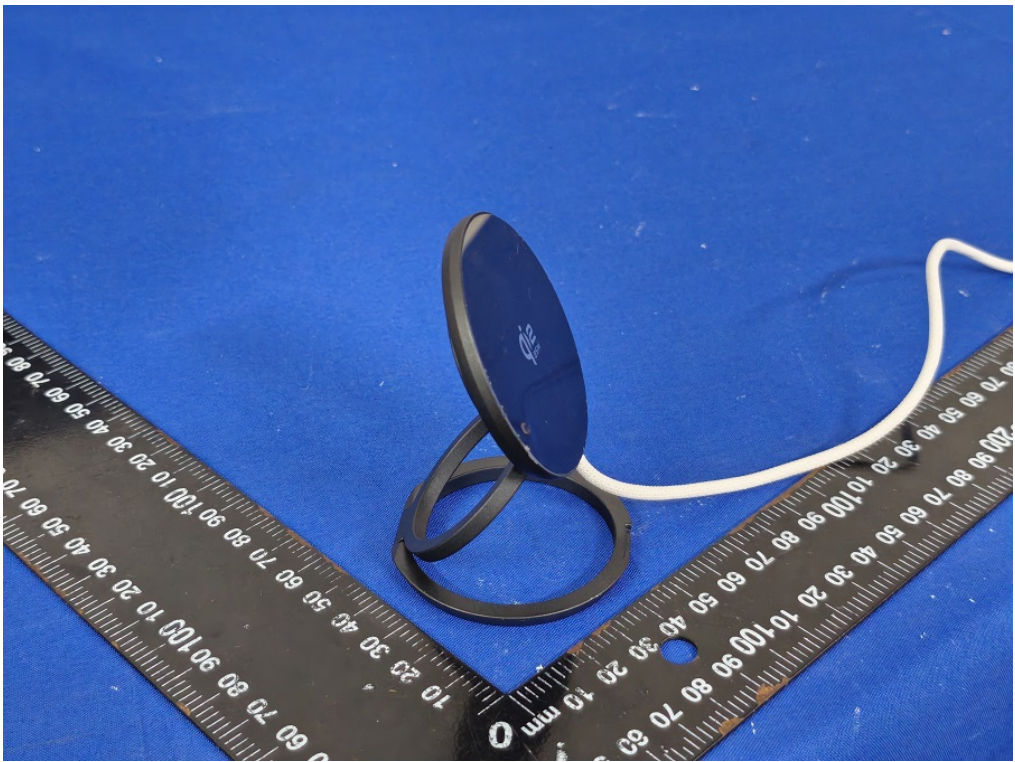
Details of: External view



Details of: External view



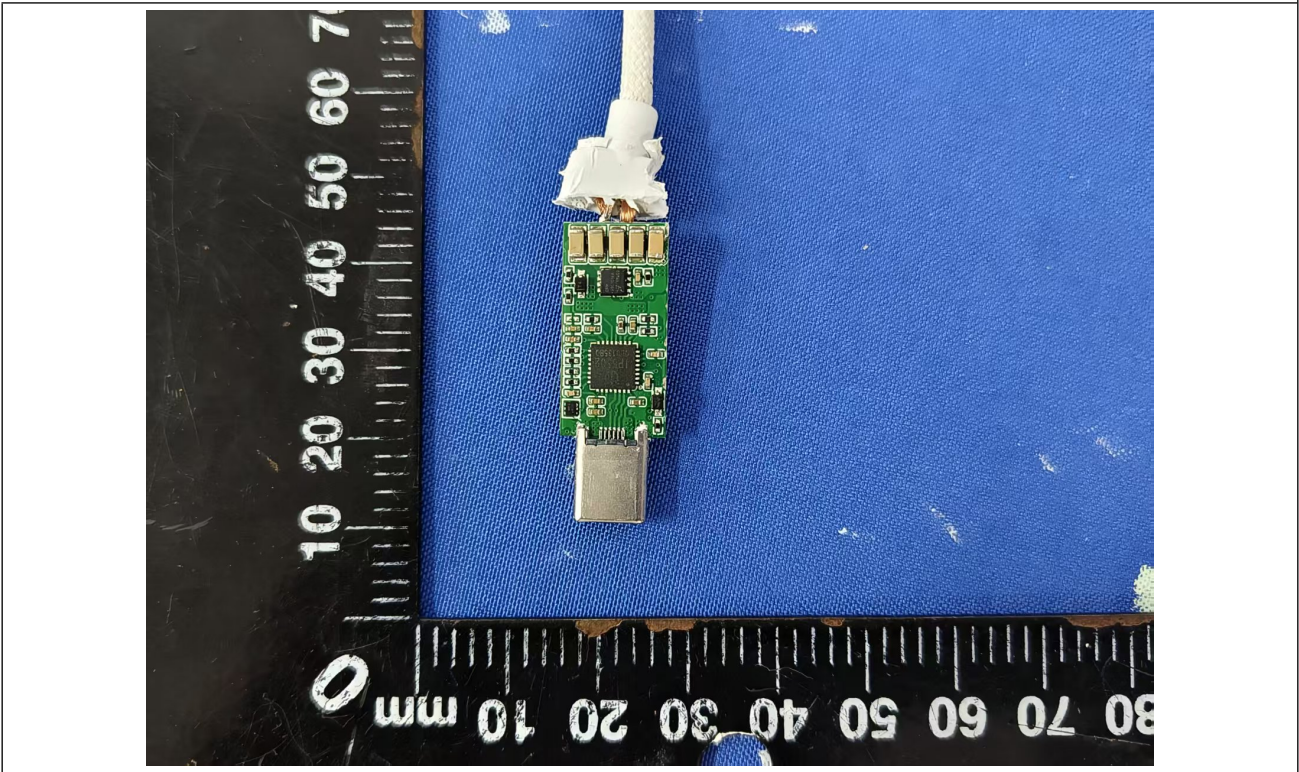
Details of: External view



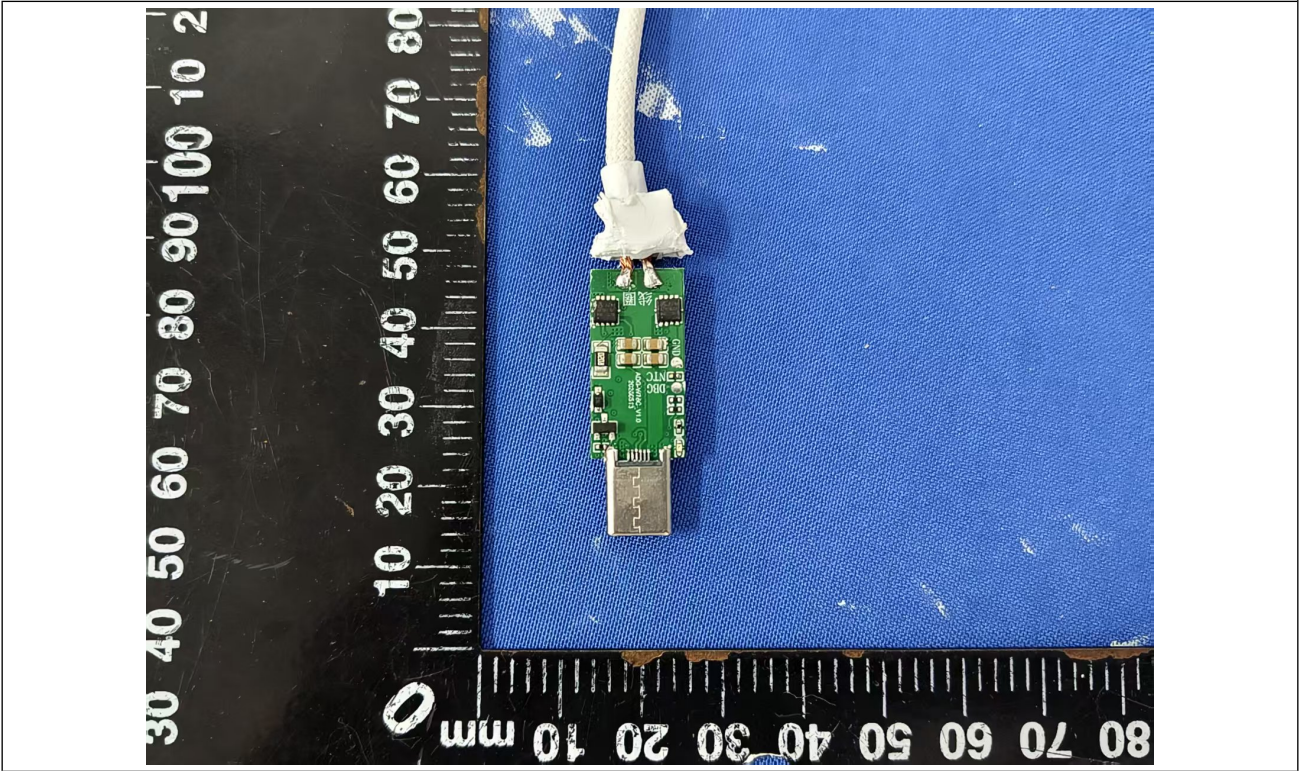
Details of: External view



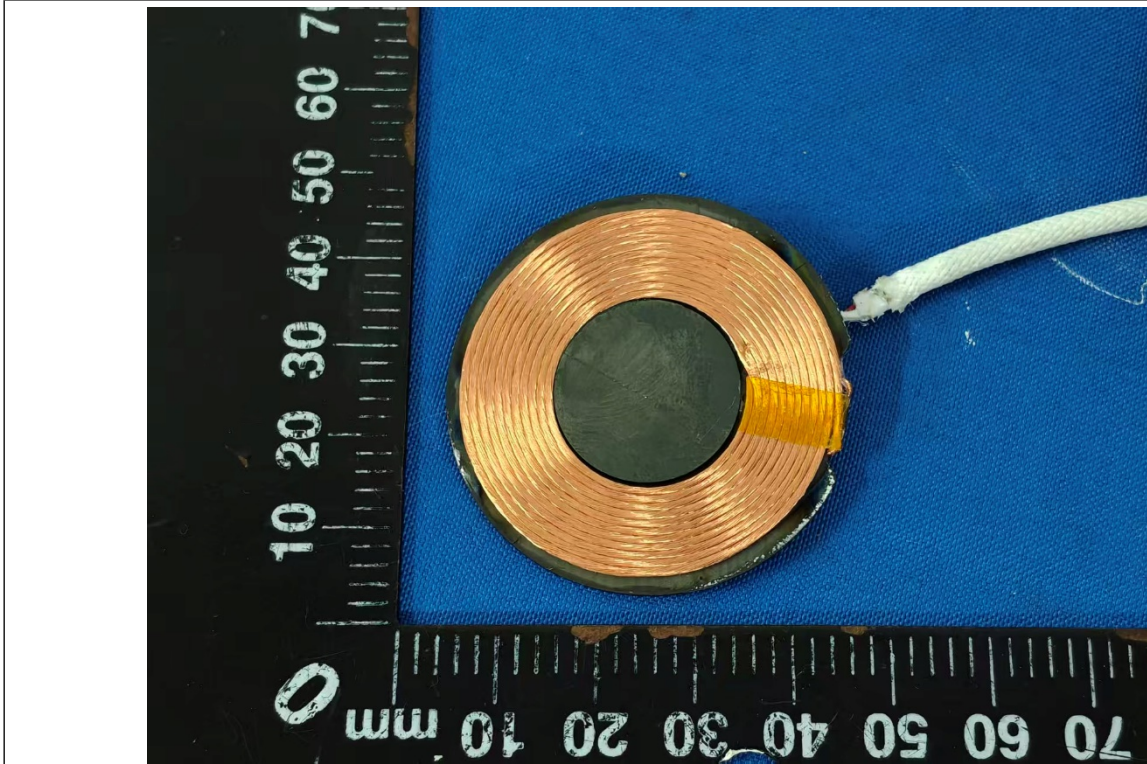
Details of: PCB view



Details of: PCB view



Details of: Wireless charging winding view



END OF REPORT