

FCC TEST REPORT FCC ID: 2AP2N-IPR1

On Behalf of

Shenzhen Esorun Technology Co.,LTD

Qi2 Wireless Charging Pad

Model No.: IPR1, PR1, AR1, IAR1, AR2

Prepared for : Shenzhen Esorun Technology Co.,LTD

Address Room 226, Building A, B, C, Zone B, Yuanfen Industrial Zone, Taoyuan

Community, Dalang Street, Longhua District, Shenzhen

Prepared By : Shenzhen Alpha Product Testing Co., Ltd.

Address Building i, No.2, Lixin Road, Fuyong Street, Bao'an District,

518103, Shenzhen, Guangdong, China

Report Number : A2410149-C01-R05 Date of Receipt : October 30, 2024

Date of Test : October 30, 2024 - December 31, 2024

Date of Report : December 31, 2024

Version Number : V0

Test Result : Pass

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Report No.: A2410149-C01-R05

TEST REPORT DECLARATION

Applicant : Shenzhen Esorun Technology Co.,LTD

Address Room 226, Building A, B, C, Zone B, Yuanfen Industrial Zone, Taoyuan

Community, Dalang Street, Longhua District, Shenzhen

Manufacturer : Shenzhen Esorun Technology Co.,LTD

Address Room 226, Building A, B, C, Zone B, Yuanfen Industrial Zone, Taoyuan

Community, Dalang Street, Longhua District, Shenzhen

EUT Description : Qi2 Wireless Charging Pad

(A) Model No. : IPR1, PR1, AR1, IAR1, AR2

(B) Trademark : **ESORUN**

Measurement Standard Used:

Date of issue....:

FCC CFR Title 47 Part 15 Subpart C Section 15.209

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the FCC CFR Title 47 Part 15 Subpart C Section 15.209 requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Гested by (name + signature):	Project Engineer	yannis wer
Approved by (name + signature):	Jack Xu Project Manager	Janeso

December 31, 2024

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Revision History

Revision	Issue Date	Revisions	Revised By
V0	December 31, 2024	Initial released Issue	Yannis Wen

1. Test Result Summary

Requirement	CFR 47 Section	Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Spurious Emission	§15.209(a)(f)	PASS
Occupied Bandwidth	§15.215 (c)	PASS

Note:

- 1. PASS: Test item meets the requirement.
- 2. Fail: Test item does not meet the requirement.
- 3. N/A: Test case does not apply to the test object.
- 4. The test result judgment is decided by the limit of test standard.
- 5. Decision rules for the conclusion of this test report: decision by actual test data without considering measurement uncertainty.

Report No.: A2410149-C01-R05

2. General Information

2.1. Description of Device (EUT)

EUT Name : Qi2 Wireless Charging Pad Model No. : IPR1, PR1, AR1, IAR1, AR2

DIFF. : There is no difference except for the model name and the shape of the

bottom shell. All tests were conducted using the IPR1 model.

Power supply : Input: 5V== 2A, 9V== 2.22A.

EUT information Input: 5V== 2A, 9V== 2.22A.

Output: 5W, 7.5W, 10W, 15W

Radio Technology : Wireless power transmission systems

Operation frequency : 115-205KHz, 360KHz-360KHz

Modulation : MSK

Antenna Type : Coil Antenna, Maximum Gain is 0dBi

(Antenna information is provided by applicant.).

Software version : V1.0

Hardware version : V1.1

Intend use environment : Residential, commercial and light industrial environment

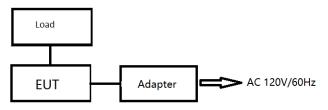
2.2. Accessories of Device (EUT)

Accessories	:	/
Manufacturer	:	/
Model	:	/
specifications	:	/

2.3. Tested Supporting System Details

No.	Description	Manufacturer	Model	Serial Number	Certification or SDoC
1	N/A	N/A	N/A	N/A	N/A

2.4. Block Diagram of connection between EUT and simulators



2.5. Description of Test Modes

Channel	Frequency (KHz)
1	128
2	360

2.6. Test Conditions

Items	Required	Actual
Temperature range:	15-35 ℃	23 ℃
Humidity range:	25-75%	55%
Pressure range:	86-106kPa	98kPa

2.7. Test Facility

Shenzhen Alpha Product Testing Co., Ltd Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China

June 21, 2018 File on Federal Communication Commission

Registration Number: 293961

July 15, 2019 Certificated by IC Registration Number: 12135A

2.8. Measurement Uncertainty

(95% confidence levels, k=2)

Item	Uncertainty
Uncertainty for Power point Conducted Emissions Test	1.63dB
Uncertainty for Radiation Emission test in 3m chamber (below 30MHz)	3.5dB
Uncertainty for Radiation Emission test in 3m chamber	3.74dB(Polarize: V)
(30MHz to 1GHz)	3.76dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber	3.77dB(Polarize: V)
(1GHz to 25GHz)	3.80dB(Polarize: H)
Uncertainty for Radiation Emission test in 3m chamber	4.31 dB(Polarize: V)
(18GHz to 40GHz)	4.30 dB(Polarize: H)
Uncertainty for radio frequency	5.06×10 ⁻⁸ GHz
Uncertainty for conducted RF Power	0.40dB
Uncertainty for temperature	0.2℃
Uncertainty for humidity	1%
Uncertainty for DC and low frequency voltages	0.06%

2.9. Test Equipment List

Equipment	Manufacture	Model No.	Firmware version	Serial No.	Last cal.	Cal Interval
9*6*6 anechoic chamber	CHENYU	9*6*6	/	N/A	2022.05.18	3Year
Spectrum analyzer	ROHDE&SCHWARZ	FSV40-N	2.3	102137	2024.08.08	1Year
Spectrum analyzer	Agilent	N9020A	A.14.16	MY499100060	2024.08.08	1Year
Receiver	ROHDE&SCHWARZ	ESR	2.28 SP1	1316.3003K03-10 2082-Wa	2024.08.08	1Year
Receiver	R&S	ESCI	4.42 SP1	101165	2024.08.08	1Year
Bilog Antenna	Schwarzbeck	VULB 9168	/	VULB 9168#627	2023.08.28	2Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	/	2106	2023.08.19	2Year
Loop Antenna	SCHWARZBECK	FMZB 1519B	/	00128	2023.08.19	2Year
RF Cable	Resenberger	Cable 1	/	RE1	2024.08.08	1Year
RF Cable	Resenberger	Cable 2	/	RE2	2024.08.08	1Year
RF Cable	Resenberger	Cable 3	/	CE1	2024.08.08	1Year
Pre-amplifier	HP	HP8347A	/	2834A00455	2024.08.08	1Year
Pre-amplifier	Agilent	8449B	/	3008A02664	2024.08.08	1Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	/	8126-466	2024.08.08	1Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	/	101043	2024.08.08	1Year
Horn Antenna	SCHWARZBECK	BBHA 9170	/	00946	2023.08.19	2Year
Preamplifier	SKET	LNPA_1840 -50	/	SK2018101801	2024.08.08	1 Year
Power Meter	Agilent	E9300A	/	MY41496628	2024.08.08	1 Year
Power Sensor	DARE	RPR3006W	/	15100041SNO91	2024.08.08	1 Year
Electronic Thermo-Hygrome ter	S.H.Qixiang	HTC-1	/	N/A	2024.08.11	1 Year
Switching Mode Power Supply	JUNKE	JK12010S	/	20140927-6	2024.08.08	1 Year
Adjustable attenuator	MWRFtest	N/A	/	N/A	N/A	N/A
10dB Attenuator	Mini-Circuits	DC-6G	/	N/A	N/A	N/A

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Software Information					
Test Item	Software Name	Manufacturer	Version		
RE	EZ-EMC	Farad	Alpha-3A1		
CE	EZ-EMC	Farad	Alpha-3A1		
RF-CE	MTS 8310	MWRFtest	2.0.0.0		

3. Test Results and Measurement Data

3.1. Conducted Emission

3.1.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.207				
Test Method:	ANSI C63.10:2013				
Frequency Range:	150 kHz to 30 MHz				
Receiver setup:	RBW=9 kHz, VBW=30 kHz,	RBW=9 kHz, VBW=30 kHz, Sweep time=auto			
Limits:	Frequency range (MHz) Limit (dBuV) Quasi-peak Average 0.15-0.5 66 to 56* 56 to 46* 0.5-5 56 46 5-30 60 50				
	Refere	nce Plane			
Test Setup:	Adapter Filter AC power E.U.T Adapter Filter AC power EMI Receiver Remark: E.U.T: Equipment Under Test LISN: Line impedence Stabilization Network Test table height=0.8m				
Test Mode:	Transmitting Mode				
Test Procedure:	 The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. 				
Test Result:	PASS				

3.1.2. Test data

Please refer to following diagram for individual

Test Mode : 128KHz,, 360KHz

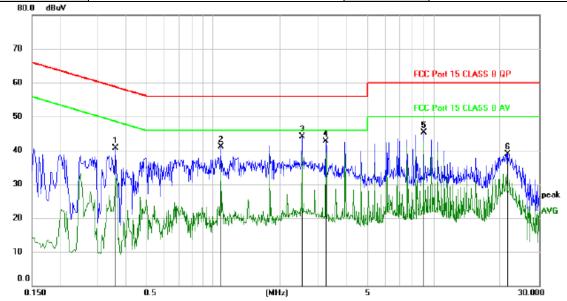
Test Results : PASS

Note: The test results are listed in next pages.

If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out.

If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out.

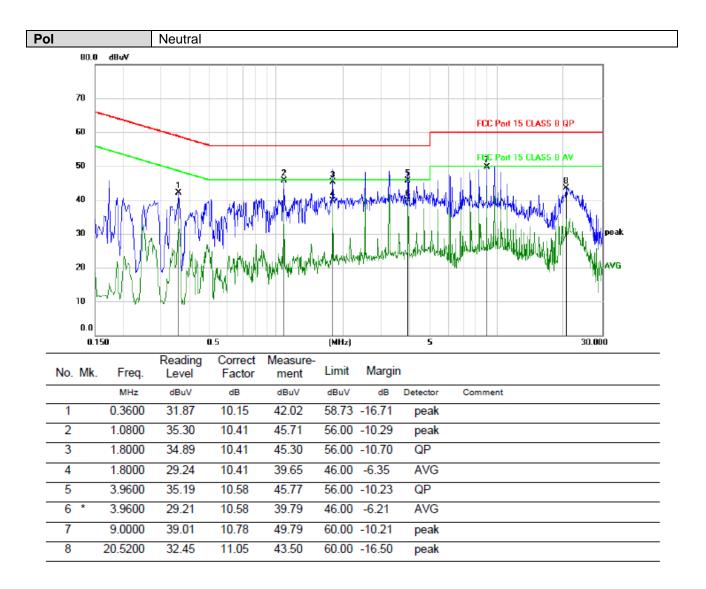
EUT Description	Qi2 Wireless Charging Pad	Model No.	IPR1, PR1, AR1, IAR1, AR2
Temperature	24 ℃	Humidity	56%
Test Voltage	AC 120V/60Hz	Test Mode	128KHz
Pol	Line		



No. M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margir	n	
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.3600	30.49	10.15	40.64	58.73	-18.09	peak	
2	1.0800	30.69	10.41	41.10	56.00	-14.90	peak	
3 *	2.5200	33.65	10.46	44.11	56.00	-11.89	peak	
4	3.2400	32.26	10.51	42.77	56.00	-13.23	peak	
5	9.0000	34.55	10.78	45.33	60.00	-14.67	peak	
6	21.6030	27.87	11.04	38.91	60.00	-21.09	peak	

(Reference Only

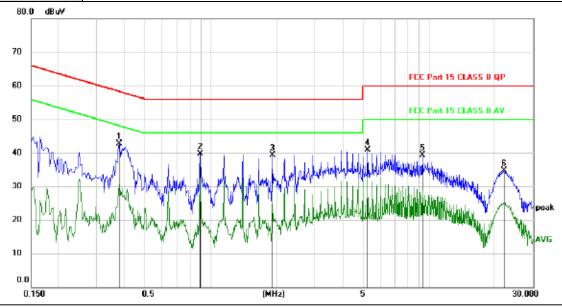
^{*:}Maximum data x:Over limit !:over margin



(Reference Only

^{*:}Maximum data x:Over limit !:over margin

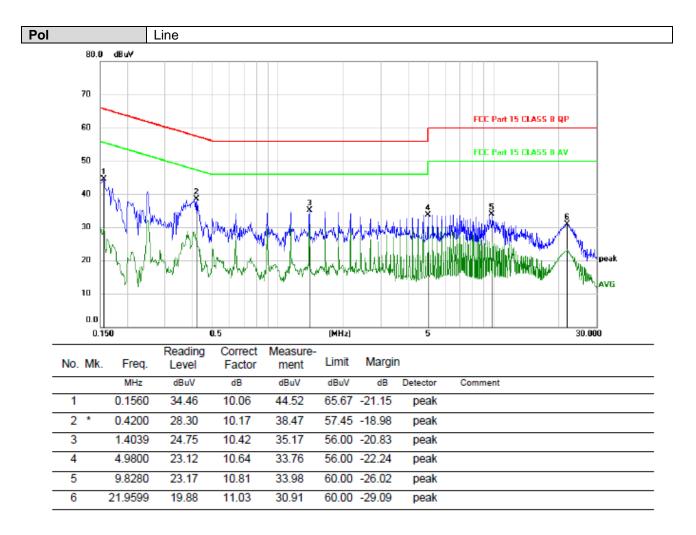
EUT Description	Qi2 Wireless Charging Pad	Model No.	IPR1, PR1, AR1, IAR1, AR2
Temperature	24 ℃	Humidity	56%
Test Voltage	AC 120V/60Hz	Test Mode	360KHz
Pol	Neutral		



No. N	Λk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin	1	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *		0.3810	32.59	10.14	42.73	58.26	-15.53	peak	
2		0.8940	29.29	10.39	39.68	56.00	-16.32	peak	
3		1.9140	28.93	10.41	39.34	56.00	-16.66	peak	
4		5.2350	30.33	10.65	40.98	60.00	-19.02	peak	
5		9.3210	28.46	10.80	39.26	60.00	-20.74	peak	
6		22.1550	23.61	11.03	34.64	60.00	-25.36	peak	

*:Maximum data x:Over limit !:over margin

(Reference Only



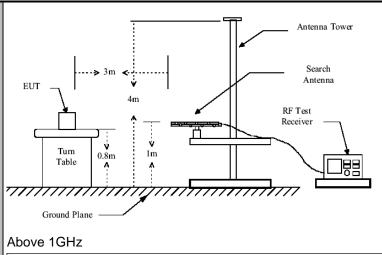
(Reference Only

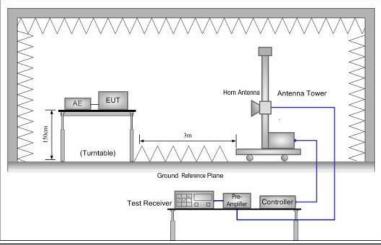
[:]Maximum data x:Over limit !:over margin

3.2. Radiated Spurious Emission Measurement

3.2.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.209									
Test Method:	ANSI C63.10: 2	2013								
Frequency Range:	9 kHz to 25 GH	z								
Measurement Distance:	3 m									
Antenna Polarization:	Horizontal & Ve	ertical								
Operation mode:	Refer to item 4.	.1								
	Frequency 9kHz- 150kHz		tector si-pea	RBW k 200Hz	VBW 1kHz	Oua	Remark si-peak Value			
Receiver Setup:	150kHz- 30MHz		si-pea		30kHz	1	si-peak Value			
·	30MHz-1GHz	Qua	si-pea	k 100KHz	300KHz	Qua	si-peak Value			
	Above 1GHz		eak	1MHz	3MHz		eak Value			
	7 100 10 12	Р	eak	1MHz	10Hz	Ave	erage Value			
	Frequen			Field Stre (microvolts)	/meter)		easurement ance (meters)			
	0.009-0.490			2400/F(k		300				
	0.490-1.7			24000/F(KHz)		30			
	1.705-30			30 100			30			
	30-88 88-216			150			3			
Limit:	216-960			200			3			
	Above 9			500			3			
	Frequency			ld Strength ovolts/meter)	Measure Distan (meter	се	Detector			
	Above 1GHz	<u>.</u>		500	3		Average			
				5000	3		Peak			
	For radiated en	nissio	ns be	low 30MHz						
	Distance = 3m Computer Pre -Amplifier									
Test setup:	Turn table Ground Plane Receiver									
	30MHz to 1GH	Z			_					





1. For the radiated emission test below 1GHz:

The EUT was placed on a turntable with 0.8 meter above ground. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high PASS filter are used for the test in order to get better signal level.

For the radiated emission test above 1GHz:

Place the measurement antenna on a turntable with 1.5 meter above ground, which is away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- Corrected Reading: Antenna Factor + Cable Loss + Read Level -Preamp Factor = Level
- 3. For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported.

Test Procedure:

Report No.: A2410149-C01-R05

	 Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported. 4. Use the following spectrum analyzer settings: Span shall wide enough to fully capture the emission being measured; Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold; Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation.
Test mode:	Refer to section 4.1 for details
Test results:	PASS

Report No.: A2410149-C01-R05

3.2.2. Test Data

Please refer to following diagram for individual

Frequency Range : 9KHz~30MHz

Test Mode : TX: 128kHz, 360kHz

Test Results : PASS

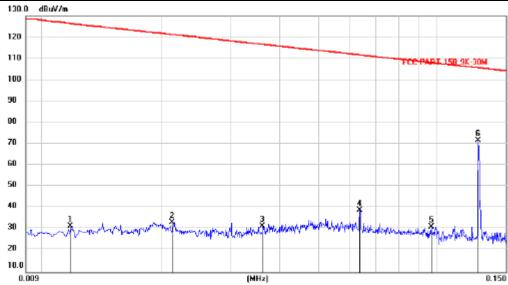
Note: 1. The test results are listed in next pages.

2. This mode is worst case mode, so this report only reflected the worst mode.

3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the quasi-peak detector need not be carried out.

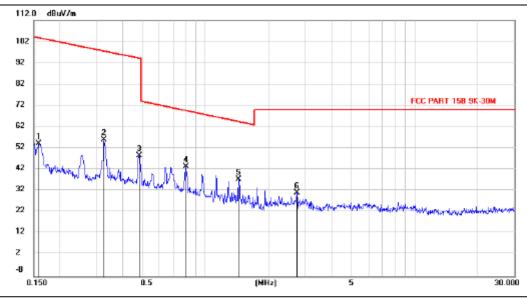
Test Mode : TX: 128kHz

Polarity: X axis



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	0.0117	9.90	21.46	31.36	126.3	-94.97	peak			
2	0.0212	12.05	21.22	33.27	121.1	-87.92	peak			
3	0.0359	10.87	20.67	31.54	116.6	-85.09	peak			
4	0.0637	18.86	20.11	38.97	111.6	-72.69	peak			
5	0.0969	11.45	19.83	31.28	108.0	-76.75	peak			
6 *	0.1275	51.80	19.88	71.68	105.6	-33.98	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

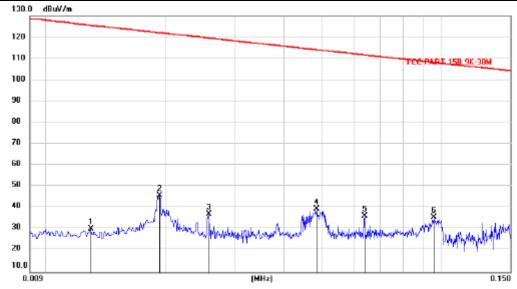


No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	0.1589	33.93	20.19	54.12	103.7	-49.63	peak			
2	0.3256	36.01	19.95	55.96	97.54	-41.58	peak			
3	0.4796	28.90	19.73	48.63	94.19	-45.56	peak			
4 *	0.8003	23.43	19.88	43.31	69.67	-26.36	peak			
5	1.4408	17.30	20.11	37.41	64.49	-27.08	peak			
6	2.7239	10.67	20.43	31.10	70.00	-38.90	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

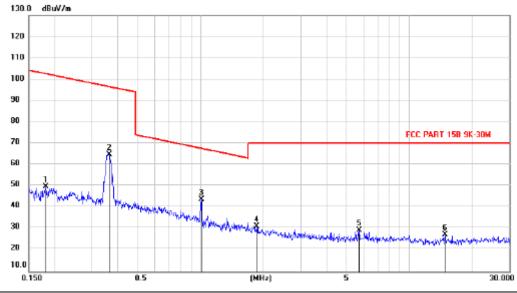
Test Mode TX: 360kHz

Polarity: X axis



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	0.0129	8.87	21.43	30.30	125.4	-95.19	peak			
2	0.0190	24.64	21.27	45.91	122.1	-76.23	peak			
3	0.0257	16.20	21.10	37.30	119.5	-82.22	peak			
4	0.0483	19.55	19.99	39.54	114.0	-74.52	peak			
5	0.0639	16.00	20.11	36.11	111.6	-75.53	peak			
6 *	0.0957	15.78	19.84	35.62	108.1	-72.52	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
-	1		0.1807	29.71	20.16	49.87	102.6	-52.77	peak			
-	2		0.3642	44.94	19.89	64.83	96.57	-31.74	peak			
-	3	*	1.0082	23.62	20.00	43.62	67.63	-24.01	peak			
-	4		1.8542	11.04	20.21	31.25	70.00	-38.75	peak			
	5		5.7165	7.46	21.99	29.45	70.00	-40.55	peak			
-	6		14.8281	6.20	20.96	27.16	70.00	-42.84	peak			

Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

Report No.: A2410149-C01-R05

Frequency Range : 30MHz~1000MHz

Test Mode : 128KHz, 360KHz

Test Results : PASS

Note: 1. The test results are listed in next pages.

2. All test modes has been tested, this report only reflected the worst mode.

3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the quasi-peak detector need not be carried out.

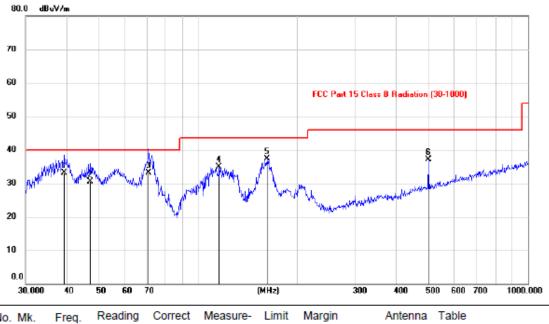
Frequency Range	:	Above 1GHz			
EUT	:	/	Test Date	:	1
M/N	:	/	Temperature	:	/
Test Engineer	:	1	Humidity	:	/
Test Mode	:	/			
Test Results	:	N/A			

Note:

1. The highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. So the frequency rang above 1GHz radiation test not applicable.

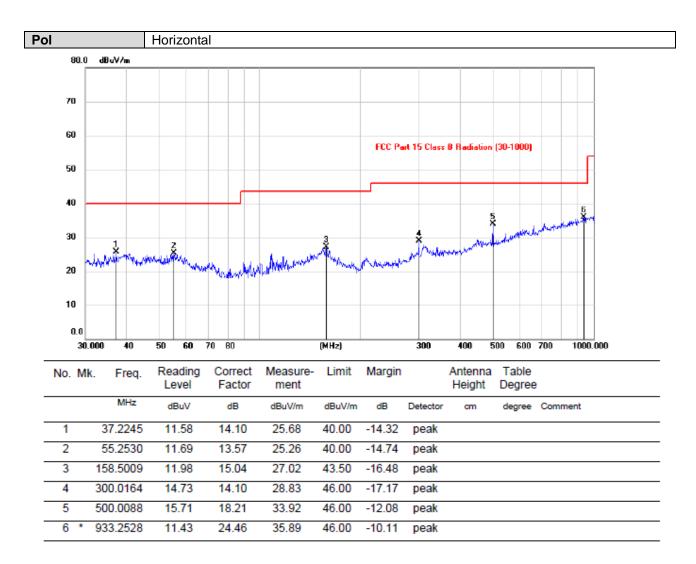
30MHz-1GHz

EUT Description	Qi2 Wireless Charging Pad	Model No.	IPR1, PR1, AR1, IAR1, AR2
Temperature	24 ℃	Humidity	56%
Test Voltage	AC 120V/60Hz	Test Mode	128KHz
Pol	Vertical		



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		39.3865	18.66	14.46	33.12	40.00	-6.88	QP			
2		47.2979	16.40	14.07	30.47	40.00	-9.53	QP			
3		70.9557	22.04	11.12	33.16	40.00	-6.84	QP			
4		116.0372	22.34	12.56	34.90	43.50	-8.60	peak			
5	*	162.5726	22.59	14.79	37.38	43.50	-6.12	peak			
6		500.0088	18.88	18.21	37.09	46.00	-8.91	peak			

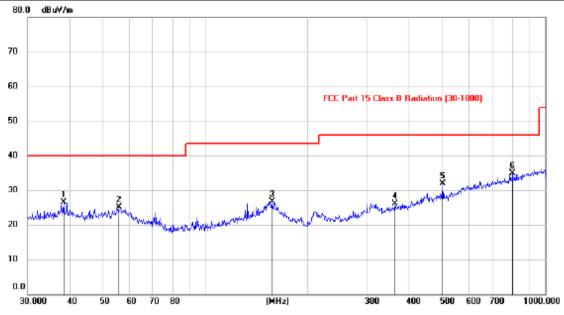
Note:1. *:Maximum data; x:Over limit; !:over margin.
2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



Note:1. *: Maximum data; x: Over limit; !: over margin.

^{2.}Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

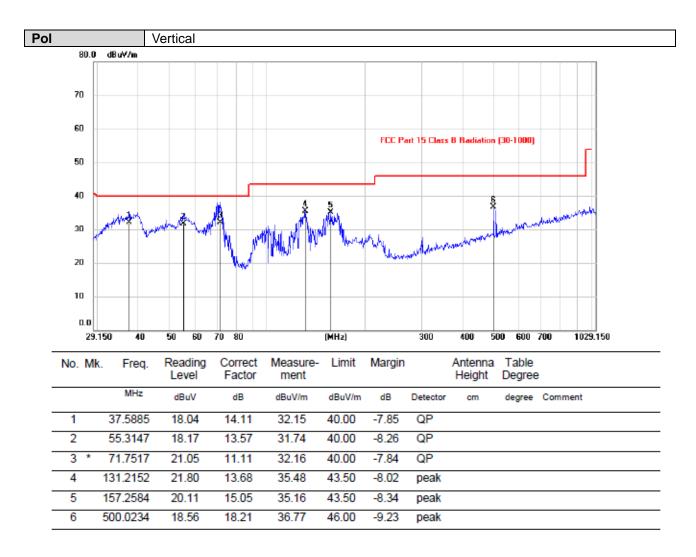
EUT Description	Qi2 Wireless Charging Pad	Model No.	IPR1, PR1, AR1, IAR1, AR2
Temperature	24℃	Humidity	56%
Test Voltage	AC 120V/60Hz	Test Mode	360KHz
Pol	Horizontal		



No	. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		38.4360	12.15	14.26	26.41	40.00	-13.59	peak			
2		55.7395	11.59	13.57	25.16	40.00	-14.84	peak			
3		157.0624	11.65	15.05	26.70	43.50	-16.80	peak			
4		362.3909	10.55	15.48	26.03	46.00	-19.97	peak			
5		500.0088	13.79	18.21	32.00	46.00	-14.00	peak			
- 6	*	804.6028	11.84	22.98	34.82	46.00	-11.18	peak			

Note:1. *: Maximum data; x: Over limit; !: over margin.

^{2.}Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



Note:1. *: Maximum data; x: Over limit; !: over margin.

^{2.}Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

3.3. Occupied Bandwidth

3.3.1. Test Specification

Test Requirement:	FCC Part15 C Section 15.215(c)					
Test Method:	ANSI C63.10: 2013					
Limit:	N/A					
Test Procedure:	 According to the follow 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 spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW≥1% of the 20 dB bandwidth; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. Measure and record the results in the test report. 					
Test setup:	Spectrum Analyzer EUT					
Test Mode:	Refer to section 4.1 for details					
Test results:	PASS					

3.3.2. Test data

For Watch:

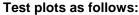
Frequency(kHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion
360	0.247		Pass

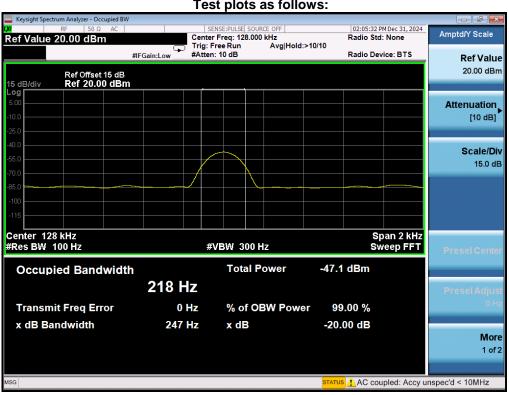
Test plots as follows:



For Airpods:

Frequency(kHz)	20dB Occupy Bandwidth (kHz)	Limit (kHz)	Conclusion	
128	0.247		Pass	





4. Photos of test setup

Radiated Emission







5. Photographs of EUT

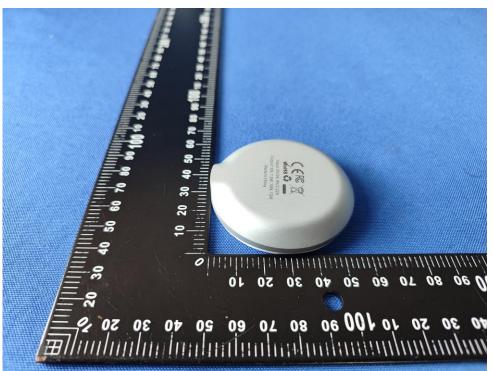


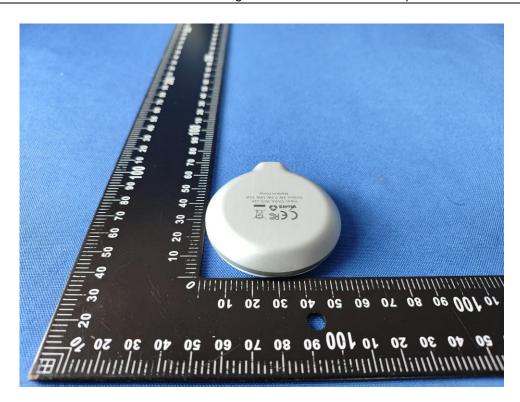






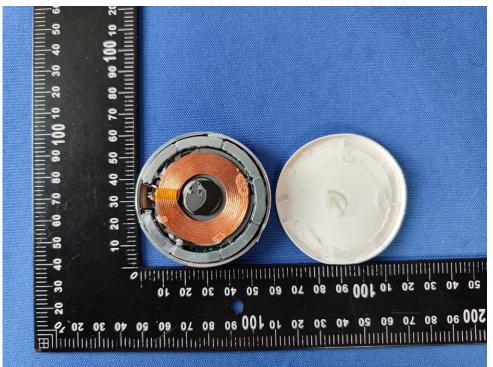


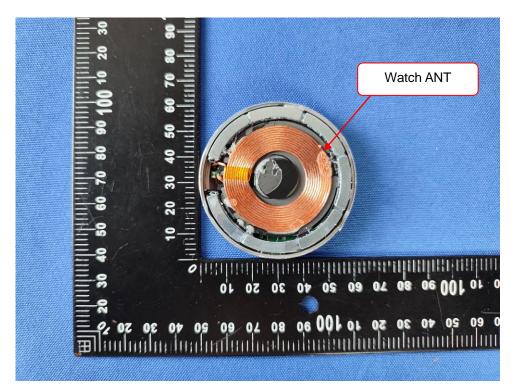


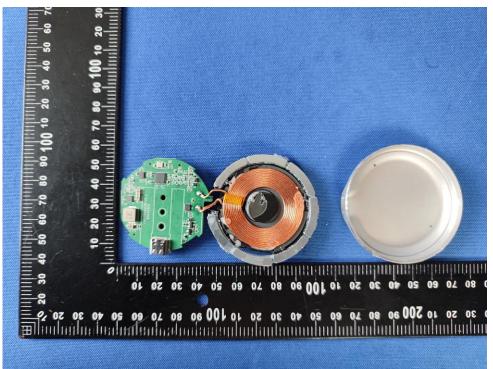


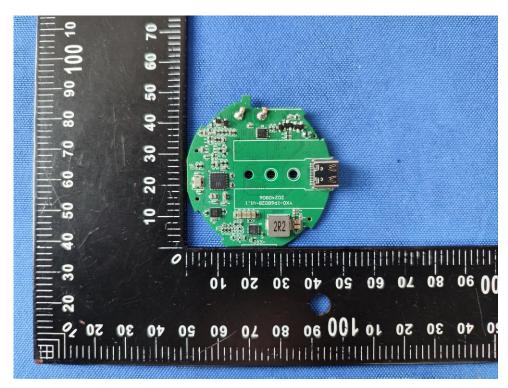


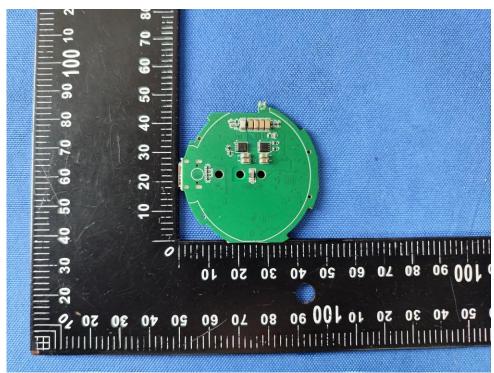


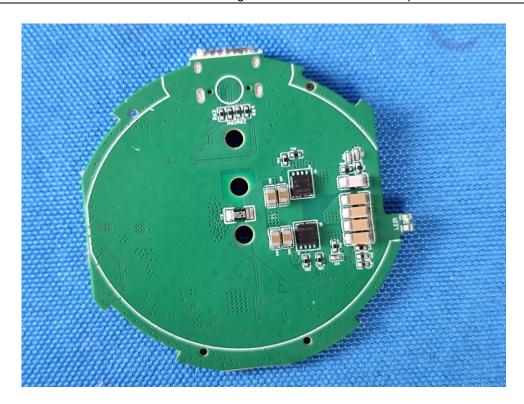


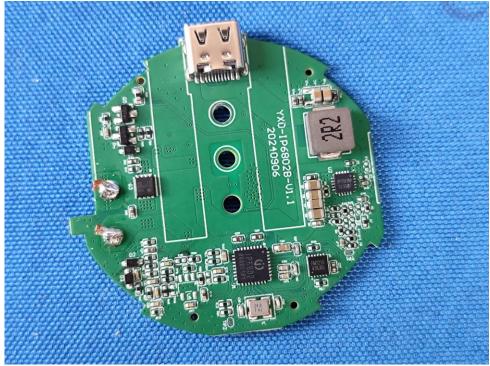














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