

TEST REPORT

Applicant:	Wings Mobile Telecom SL		
Address of Applicant:	c/Beethoven 15, piso 4,Barcelona,Spain		
Manufacturer/Factory:	Shenzhen Yoyo Industrial Co.,Ltd.		
Address of Manufacturer/Factory:	4th. fl. Bldg. A, Xinlihua Ind. Park, LongGang District Shenzhen, China		
Equipment Under Test (EUT)		
Product Name:	Wireless car charger		
Model No.:	Wings Charger Q1, Wings Charger Q12		
FCC ID:	2ATQIQ1		
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C		
Date of sample receipt:	September 09, 2020		
Date of Test:	September 09- September 17, 2020		
Date of report issued:	September 17, 2020		
Test Result :	PASS *		

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

8010

Robinson Lo Laboratory Manager

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2 Version

Version No.	Date	Description
00	September 17, 2020	Original

Prepared By:

Check By:

zzant Date:

September 17, 2020

September 17, 2020

Project Engineer

200

Date:

Reviewer

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4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
Spurious Emission	15.209(a)(f)	Pass
20dB Bandwidth	15.215	Pass

Pass: The EUT complies with the essential requirements in the standard.

4.1 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	30MHz-200MHz	3.8039dB	(1)
Radiated Emission	200MHz-1GHz 3.9679dB		(1)
Radiated Emission	1GHz-18GHz	4.29dB	(1)
Radiated Emission	18GHz-40GHz	3.30dB	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	3.44dB	(1)
Note (1): The measurement unce	ertainty is for coverage factor of k	=2 and a level of confidence of 9	95%.



5 General Information

5.1 General Description of EUT

Wireless car charger
Wings Charger Q1, Wings Charger Q12
EWings Charger Q10005
HV1.0
SV1.0
GTS202009000139-1
Engineer sample
115kHz ~ 205KHz
19 Channels
ASK
Loop Antenna
0dBi
DC 5V from adapter

Operation Frequency each of channel

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	0.115	06	0.140	11	0.165	16	0.190
02	0.120	07	0.145	12	0.170	17	0.195
03	0.125	08	0.150	13	0.175	18	0.200
04	0.130	09	0.155	14	0.180	19	0.205
05	0.135	10	0.160	15	0.185		

Test channel	Frequency (MHz)
CH13	0.175MHz

5.2 Test mode

Transmitting mode

Keep the EUT in continuously transmitting mode

Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.

5.3 Description of Support Units

Manufacturer	rer Description Model		Serial Number
SAMSUNG Mobile Phone		S7EDGE	R28H835BJ2B
APPLE	USB Charger	A1399	N/A

5.4 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC — Registration No.: 381383

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 381383.

• IC — Registration No.: 9079A

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 9079A

• NVLAP (LAB CODE:600179-0)

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). LAB CODE:600179-0

5.5 Test Location

0.0					
	All tests were performed at:				
	Global United Technology Services Co., Ltd.				
	No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan				
	District, Shenzhen, Guangdong, China 518102				
	Tel: 0755-27798480				

Fax: 0755-27798960

5.6 Other Information Requested by the Customer

None.



6 Test Instruments list

Radi	Radiated Emission:							
ltem	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)		
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	July. 02 2020	July. 01 2025		
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A		
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June. 25 2020	June. 24 2021		
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 25 2020	June. 24 2021		
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 25 2020	June. 24 2021		
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 25 2020	June. 24 2021		
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		
8	Coaxial Cable	GTS	N/A	GTS213	June. 25 2020	June. 24 2021		
9	Coaxial Cable	GTS	N/A	GTS211	June. 25 2020	June. 24 2021		
10	Coaxial cable	GTS	N/A	GTS210	June. 25 2020	June. 24 2021		
11	Coaxial Cable	GTS	N/A	GTS212	June. 25 2020	June. 24 2021		
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 25 2020	June. 24 2021		
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 25 2020	June. 24 2021		
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 25 2020	June. 24 2021		
15	Band filter	Amindeon	82346	GTS219	June. 25 2020	June. 24 2021		
16	Power Meter	Anritsu	ML2495A	GTS540	June. 25 2020	June. 24 2021		
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 25 2020	June. 24 2021		
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 25 2020	June. 24 2021		
19	Splitter	Agilent	11636B	GTS237	June. 25 2020	June. 24 2021		
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 25 2020	June. 24 2021		
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 19 2019	Oct. 18 2020		
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 19 2019	Oct. 18 2020		
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 19 2019	Oct. 18 2020		
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 25 2020	June. 24 2021		



Conducted Emission							
ltem	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)	
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	May.15 2019	May.14 2022	
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 25 2020	June. 24 2021	
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 25 2020	June. 24 2021	
4	ENV216 2-L-V- NETZNACHB.DE	ROHDE&SCHWARZ	ENV216	GTS226	June. 25 2020	June. 24 2021	
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A	
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	
7	Thermo meter	KTJ	TA328	GTS233	June. 25 2020	June. 24 2021	
8	Absorbing clamp	Elektronik- Feinmechanik	MDS21	GTS229	June. 25 2020	June. 24 2021	
9	ISN	SCHWARZBECK	NTFM 8158	GTD565	June. 25 2020	June. 24 2021	

RF C	onducted Test:					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	June. 25 2020	June. 24 2021
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 25 2020	June. 24 2021
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 25 2020	June. 24 2021
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 25 2020	June. 24 2021
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 25 2020	June. 24 2021
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 25 2020	June. 24 2021
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 25 2020	June. 24 2021
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 25 2020	June. 24 2021

Gene	General used equipment:											
ltem	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)						
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 25 2020	June. 24 2021						
2	Barometer	ChangChun	DYM3	GTS255	June. 25 2020	June. 24 2021						



7 Test results and Measurement Data

7.1 Antenna requirement:

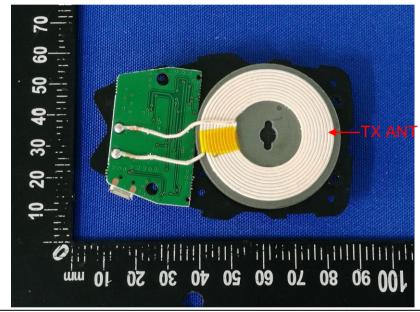
Standard requirement: FCC Part15 C Section 15	.203
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15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is Inductive loop coil Antenna, the best case gain of the antenna is 0dBi, reference to the below.





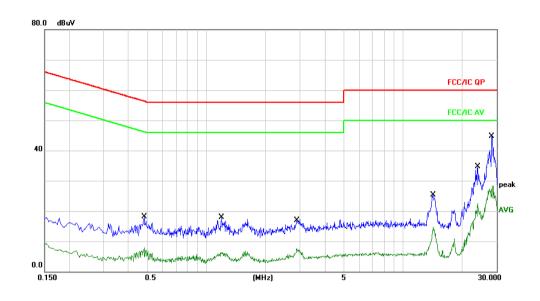
7.2 Conducted Emissions

Test voltage: AC 120V, 60Hz	 Conducted Emissions								
Test Frequency Range: 150KHz to 30MHz Class / Severity: Class B Receiver setup: RBW=9KHz, VBW=30KHz, Sweep time=auto Limit: Frequency range (MHz) Quasi-peak Quasi-peak Average 0.15-0.5 66 to 56* 56 46 5-30 60 * Decreases with the logarithm of the frequency. Test setup: Reference Plane Image: Comparison of the interflow of the frequency. Fearatic ELISM Fearatic ELISM Image: Comparison of the interflow of the frequency. Fearatic ELISM Item predence stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please a 150chm/50uH coupling impedance with 50ohm	Test Requirement:	FCC Part15 C Sect	ion 15.207	7					
Class / Severity: Class B Receiver setup: Limit: Limit: Limit (dBuV) Limit (dBuV) Quasi-peak Average 0.15-0.5 66 to 56' 56 to 46' 0.15-0.5 66 to 56' 56 to 46' Decreases with the logarithm of the frequency. Test setup: Reference Plane Numair EUT Test table/Insulation plane List to the model colspan="2">Test table/Insulation plane Numair Reference Plane Numair Numair EUT Test table/Insulation plane Numair Numair Numair Numair Numair Sector Numair Numair Numair Numair	Test Method:	ANSI C63.10:2013							
Receiver setup: Receiver setup: RBW=9KHz, VBW=30KHz, Sweep time=auto Limit: Limit (dBuV) 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. * Reference Plane Reference Plane Rest Reference Plane Rest Reference Stabilization network Lisk Low meadence Stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. Lisk Low meadence Stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices a realso connected to the test setup and photographs). 3. 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 change according to ANSI C63.10 on conducted measurement. Test mode: Refer to section 6.0 for details Test mode: Test environment: Temp: 25 °C Humid: 52% Press.: 1012mt	Test Frequency Range:	150KHz to 30MHz							
Limit: Frequency range (MHz) Limit (dBuV) Quasi-peak Average 0.15-0.5 66 to 56* 56 56 0.5-5 56 46 50 * Decreases with the logarithm of the frequency. Test setup: Reference Plane Aux Filter Aux Equipment EU ? Equipment E.U.T Test procedure: 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through thermitian. (Please refer to the block diagram of the test setup and photographs). 3. 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 change according to ANSI C63.10 on conducted measurement. Test Instruments: Refer to section 6.0 for details Test environment: Temp.: 25 °C Test voltage: AC 120V, 60Hz	Class / Severity:	Class B							
Prequency range (WHz) 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. Test setup: Reference Plane US Equipment Equipment E.U.T Test procedure: 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the maxing equipment. 2. The peripheral devices are also connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the maxing equipment. 3. The peripheral devices are also connected to the main power through LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and photographs). 3. 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 change according to ANSI C63.10 on conducted measurement. Test Instruments: Refer to section 5.2 for details Trest instruments: Refer to section 5.2 for details Trest in	 Receiver setup:	RBW=9KHz, VBW=	=30KHz, S	weep tir	ne=auto				
Image: Control of the interface cables must be change according to ANSI C63.10 on conducted measurement. Test Instruments: Test Instruments: Reference Section 5.2 for details Test Instruments: Reference Section 5.2 for details Test Instruments: Reference Plane Test Instruments: Reference Plane Test Instruments: Reference Plane Test procedure: 1. The E.U.T and simulators are connected to the main power through a Soohm/SOulf coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and photographs). 3. Both sides of A.C. line are checked for maximum emission, the relative positions of equipment and of the interface cables must be change according to ANSI C63.10 on conducted measurement. Test Instruments: Refer to section 6.0 for details Test environment: Temp:: 25 °C Humid:: 52% Press.: 1012mt	 Limit:		~ /N/LI_)		Limit	t (dBuV)			
0.5-5 56 46 5-30 60 50 * Decreases with the logarithm of the frequency. Reference Plane Image: Imag			e (IVIHZ)						
5-30 60 50 * Decreases with the logarithm of the frequency. Test setup: Reference Plane Image: Im				6					
* Decreases with the logarithm of the frequency. Test setup: Image: test setup: test setup: Image: test setup: test setup: test setup: test setup: Image: test setup: test setup: test setup: test setup: Image: test setup: test setup: test setup: test setup: Image: test setup: test setup: test setup: test setup: Image: test setup: test setup: test setup: test setup: Image: test setup: test setup: test setup: test setup: Image: test setup: test setup: test setup: test setup: test setup: Image: test setup: t									
Test setup: Reference Plane Image: test setup: Image: test setup: Image: test setup:			e logarithr	n of the		5	0		
Test procedure: 1. The E.U.T device Test LISN that provides Test lister on Network Test table negative Biological Comparison on the test set and photographs). Test procedure: 1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment. 2. The peripheral devices are also connected to the main power through LISN that provides a 500hm/50uH coupling impedance for the measuring equipment. 3. 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 change according to ANSI C63.10 on conducted measurement. Test mode: Refer to section 6.0 for details Test mode: Refer to section 5.2 for details Test notice: Refer to section 5.2 for details Test notage: AC 120V, 60Hz	 Test setup:								
interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be change according to ANSI C63.10 on conducted measurement.Test Instruments:Refer to section 6.0 for detailsTest mode:Refer to section 5.2 for detailsTest environment:Temp.:25 °CHumid.:52%Press.:1012mbTest voltage:AC 120V, 60Hz	Test procedure:	Image: Lish formulation plane 80cm filter Ac power Filter Ac power Equipment E.U.T Fest table/Insulation plane EMI Receiver Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m 1. The E.U.T and simulators are connected to the main power line impedance stabilization network (L.I.S.N.). This provide 50ohm/50uH coupling impedance for the measuring equipm 2. The peripheral devices are also connected to the main power LISN that provides a 50ohm/50uH coupling impedance with							
Test mode:Refer to section 5.2 for detailsTest environment:Temp.:25 °CHumid.:52%Press.:1012mbTest voltage:AC 120V, 60Hz		interference. In c positions of equi according to AN	order to fin pment and SI C63.10	d the ma d all of th on cond	aximum emis ne interface c	sion, the related	ative		
Test environment:Temp.:25 °CHumid.:52%Press.:1012mbTest voltage:AC 120V, 60Hz									
Test voltage: AC 120V, 60Hz	Test mode:	Refer to section 5.2	for details	5	-	1	1		
	Test environment:	Temp.: 25 °C	Hur	nid.:	52%	Press.:	1012mbar		
	Test voltage:	AC 120V, 60Hz							
Test results: Pass	Test results:	Pass							



Measurement data:

Line:

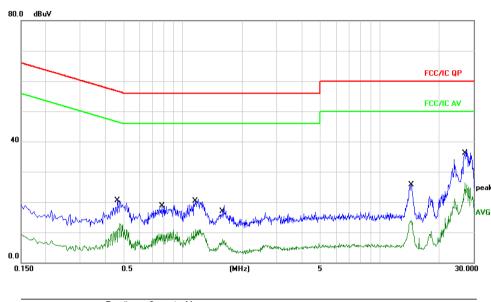


No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.4820	8.41	9.68	18.09	56.30	-38.21	QP	
2	0.4820	-1.80	9.68	7.88	46.30	-38.42	AVG	
3	1.1940	8.25	9.71	17.96	56.00	-38.04	QP	
4	1.1940	-3.42	9.71	6.29	46.00	-39.71	AVG	
5	2.8940	7.64	9.72	17.36	56.00	-38.64	QP	
6	2.8940	-2.13	9.72	7.59	46.00	-38.41	AVG	
7	14.2660	15.46	9.91	25.37	60.00	-34.63	QP	
8	14.2660	4.75	9.91	14.66	50.00	-35.34	AVG	
9	24.0459	24.63	10.02	34.65	60.00	-25.35	QP	
10	24.0459	12.48	10.02	22.50	50.00	-27.50	AVG	
11 *	28.3420	34.54	10.08	44.62	60.00	-15.38	QP	
12	28.3420	18.16	10.08	28.24	50.00	-21.76	AVG	



Neutral:

Report No.: GTS202009000139F01



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∨	dB	dBu∀	dBu∨	dB	Detector	Comment
1		0.4660	10.83	9.67	20.50	56.58	-36.08	QP	
2		0.4660	3.18	9.67	12.85	46.58	-33.73	AVG	
3		0.7820	8.97	9.68	18.65	56.00	-37.35	QP	
4		0.7820	1.18	9.68	10.86	46.00	-35.14	AVG	
5		1.1539	11.27	9.71	20.98	56.00	-35.02	QP	
6		1.1539	1.24	9.71	10.95	46.00	-35.05	AVG	
7		1.5900	9.19	9.71	18.90	56.00	-37.10	QP	
8		1.5900	-2.03	9.71	7.68	46.00	-38.32	AVG	
9		14.4540	15.72	9.91	25.63	60.00	-34.37	QP	
10		14.4540	3.94	9.91	13.85	50.00	-36.15	AVG	
11	*	27.2460	27.37	10.07	37.44	60.00	-22.56	QP	
12		27.2460	16.30	10.07	26.37	50.00	-23.63	AVG	

Notes:

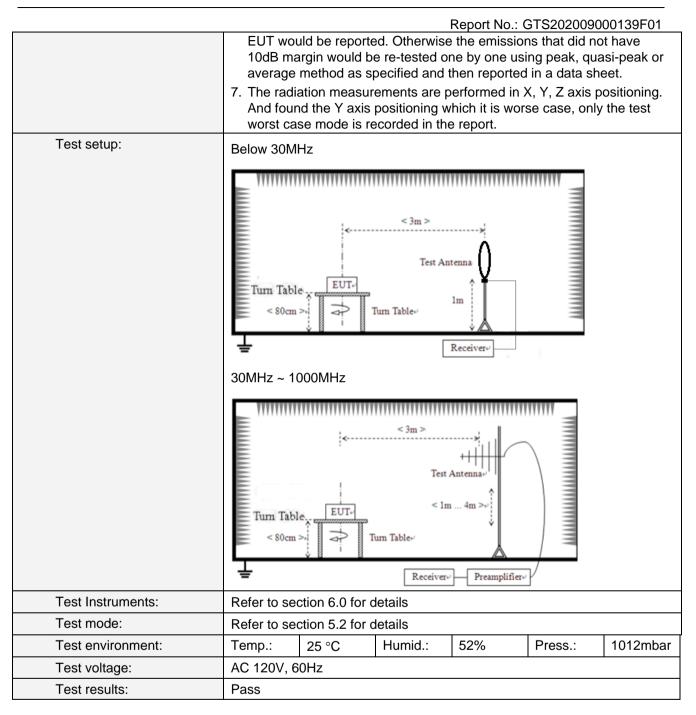
- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss

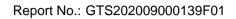


7.3 Spurious Emission

Test Requirement:	FCC Part15 C Se	ection 15.20	9				
Test Method:	ANSI C63.10:201	13					
 Test Frequency Range:	9kHz to 1GHz						
Test site:	Measurement Dis	stance: 3m					
Receiver setup:	Frequency	Detector	,	RBW	VBW	Remark	
Receiver setup.	9kHz- 30MHz	Quasi-pea		10kHz	30kHz	Quasi-peak Value	
	30MHz-1GHz	Quasi-pea		120kHz	300kHz	Quasi-peak Value	
		Peak		1MHz	3MHz	Peak Value	
	Above 1GHz AV			1MHz	10Hz	Average Value	
		Remark: For the frequency bands 9-90 kHz, 110-490 MHz. Radiated emission test in these three bands are				kHz and above 1000	
						based on	
 Limit	measurements employing an average detector. Limits for frequency below 30MHz						
Limit:							
(Spurious Emissions)	Frequency	Limit (uV			ance(m)	Remark	
	0.009-0.490 2400/F(kHz) 300				Quasi-peak Value		
	0.490-1.705	24000/F(I	kHz)		30	Quasi-peak Value	
	1.705-30	30			30	Quasi-peak Value	
	Limits for frequency Above 30MHz Frequency Limit (dBuV/m @3m) Remark						
	Frequen	Remark					
	30MHz-88MHz 40					Quasi-peak Value	
	88MHz-216MHz 43.50					Quasi-peak Value	
	216MHz-96			46.0		Quasi-peak Value	
	960MHz-1	GHz		54.0		Quasi-peak Value	
	Above 10	SHz		54.0		Average Value	
	Remark: The em	iccion limito	chov	74.0		Peak Value	
	measurements e frequency bands emission limits in employing an ave	mploying a 9-90 kHz, 1 these three erage detec	CISP 10-4 ban tor.	PR quasi- _l 90 kHz a ids are ba	beak detect nd above 1 ised on me	or except for the 000 MHz. Radiated asurements	
Test Procedure:						0.8 meters above the	
	-					360 degrees to	
	determine the	•		-			
	2. The EUT was antenna, whic tower.					nce-receiving ile-height antenna	
	ground to dete	ermine the n vertical pol	naxin	num value	e of the field	r meters above the d strength. Both are set to make the	
	and then the a	intenna was ible was turi	s tune	ed to heig	hts from 1	ed to its worst case neter to 4 meters 0 degrees to find the	
	5. The test-receiv Bandwidth wit				ak Detect F	unction and Specified	
				•		10dB lower than the ne peak values of the	









Measurement data:

Note: Limit dBuV/m @3m = Limit dBuV/m @300m+ 80 Limit dBuV/m @3m = Limit dBuV/m @30m + 40 9 kHz~30 MHz

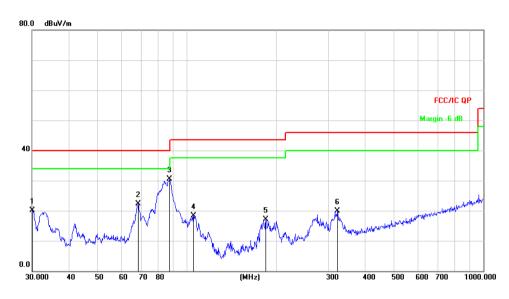
Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type	
(kHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m) (dBµV/m) (dB)			
115.0000	63.42	20.36	83.78	126.39	-42.61	PK	
115.0000	54.87	20.36	75.23	106.39	-31.16	AV	
160.0000	66.67	20.41	87.08	123.52	-36.44	PK	
160.0000	55.38	20.41	75.79	103.52	-27.73	AV	
205.0000	64.36	20.46	84.82	121.37	-36.55	PK	
205.0000	56.59	20.46	77.05	101.37	-24.32	AV	

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type	
(kHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)		
35.5000	34.85	20.15	55.00	136.60	-81.60	PK	
35.5000	32.04	20.15	52.19	116.60	-64.41	AV	
58.7000	45.17	20.33	65.50	132.23	-66.73	PK	
58.7000	43.02	20.33	63.35	112.23	-48.88	AV	
101.2000	48.20	20.55	68.75	107.50	-38.75	QP	
188.0000	56.19	21.23	77.42	122.12	-44.70	PK	
188.0000	34.35	21.23	55.58	102.12	-46.54	AV	
1524.0000	14.75	22.29	37.04	63.94	-26.90	QP	



30MHz~1GHz

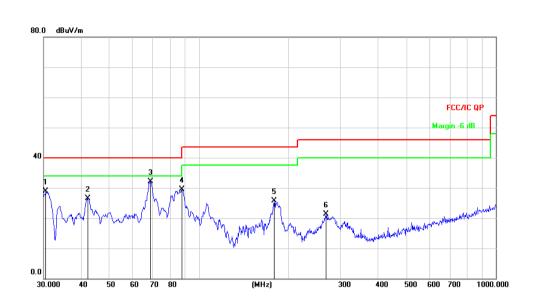
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
1		30.0000	37.76	-17.72	20.04	40.00	-19.96	QP
2		68.3908	40.36	-18.14	22.22	40.00	-17.78	QP
3	*	87.4177	49.50	-18.93	30.57	40.00	-9.43	QP
4		105.2718	34.55	-16.17	18.38	43.50	-25.12	QP
5		184.4898	34.50	-17.32	17.18	43.50	-26.32	QP
6	;	322.1886	31.44	-11.56	19.88	46.00	-26.12	QP







-									
	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over	
_			MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector
-	1		30.5306	46.73	-17.91	28.82	40.00	-11.18	QP
_	2		42.3022	41.62	-15.04	26.58	40.00	-13.42	QP
-	3	*	68.8721	50.44	-18.35	32.09	40.00	-7.91	QP
_	4		87.7248	48.25	-18.84	29.41	40.00	-10.59	QP
	5		179.3863	43.46	-17.82	25.64	43.50	-17.86	QP
_	6		267.5455	34.37	-13.15	21.22	46.00	-24.78	QP

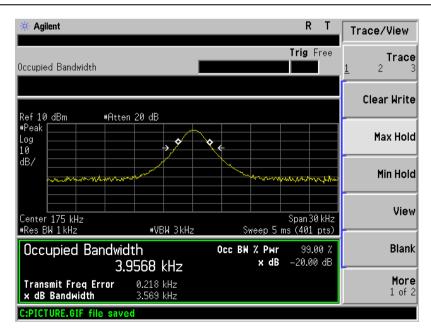


Test Requirement: FCC Part15 C Section 15.215 **Test Method:** ANSI C63.10:2013 Test setup: Spectrum Analyzer E.U.T Non-Conducted Table **Ground Reference Plane Test Instruments:** Refer to section 6.0 for details Test mode: Refer to section 5.2 for details Test results: Pass

7.4 20dB Occupy Bandwidth

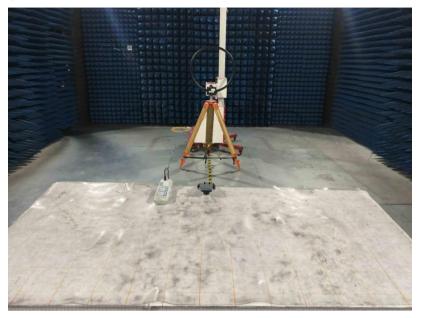
Measurement Data

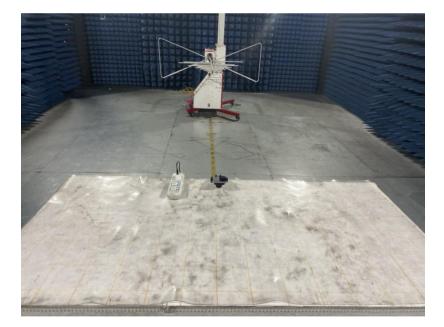






8 Test Setup Photo











9 EUT Constructional Details











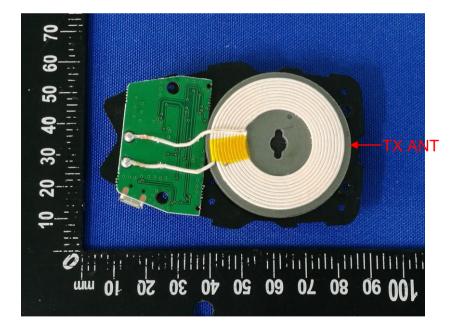




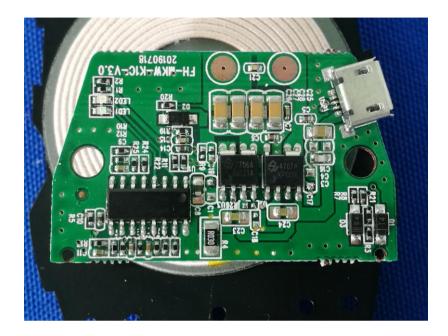


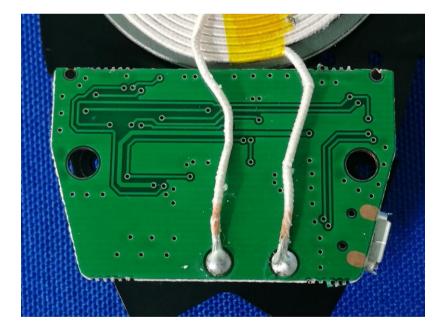












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