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TABLE OF CONTENTS

1. Test Certification		3
2. Test Result Summary	<u>(0)</u>	4
3. EUT Description		5
4. Genera Information		6
4.1. Test environment and mode		6
4.2. Description of Support Units		6
5. Facilities and Accreditations	<u>(6)</u>	7
5.1. Facilities		7
5.2. Location		7
5.3. Measurement Uncertainty	5) (0)	7
6. Test Results and Measurement Data		
6.1. Antenna requirement		
6.2. Conducted Emission	<u> </u>	9
6.3. Radiated Spurious Emission Measurement		13
Appendix A: Photographs of Test Setup		
Appendix B: Photographs of EUT		

Report No.: TCT180110E036

1. Test Certification

Product:	WIRELESS CHARGER		
Model No.:	WL-QIFC		Ċ
Additional Model No.:	WL-QIFC-GLD, WL-QIFC-SLV, WL-QIFC-C	GRY	C
Trade Mark:	SABRENT		
Applicant:	Sabrent		
Address:	709 Science Dr, Moorpark, CA 93021		(,ć
Manufacturer:	Sabrent		
Address:	709 Science Dr, Moorpark, CA 93021		
Date of Test:	Jan. 11, 2018 - Jan. 22, 2018		
Applicable Standards:	FCC CFR Title 47 Part 15 Subpart C		.ć
		S	

The above equipment has been tested by Shenzhen Tongce Testing Lab. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

Tested By:	c. 101			
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Reviewed By:	Bery The	Date:	Jan. 23, 2018	
	Beryk	TING		
Approved By:	ONC HIS	Date:	Jan. 23, 2018	
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	<u> </u>	Reviewed By: Beryla Beryla Beryla Beryla Beryla Beryla By:	Reviewed By: Buy The Date: Beryle TCT of Date: Approved By: Date:	Reviewed By: Berylt TCT Date: Jan. 23, 2018 Approved By:



2. Test Result Summary

Report No.: TCT180110E036

Requirement	CFR 47 Section	on Result
Antenna requirement	§15.203	PASS
AC Power Line Conducted Emission	§15.207	PASS
Spurious Emission	§15.209(a)(f)) PASS
Note: 1. PASS: Test item meets the requi 2. Fail: Test item does not meet the	e requirement.	
3. N/A: Test case does not apply to 4. The test result judgment is decid		
		Page 4 of 2



3. EUT Description

Product:	WIRELESS CHARGER
Model No.:	WL-QIFC
Additional Model No.:	WL-QIFC-GLD, WL-QIFC-SLV, WL-QIFC-GRY
Trade Mark:	SABRENT
Hardware Version:	V1.2.3
Software Version:	V1.2.3
Operation Frequency:	110-205KHz
Number of Channel:	20 Channels
Modulation Technology:	MSK
Antenna Type:	Coil Antenna
Antenna Gain:	0dBi
Remark:	All models above are identical in interior structure, electrical circuits and components, and just model names are different for the marketing requirement.

Operation Frequency each of channel

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	0.110	6	0.135 🔍	11	0.160	16	0.185 🤍
2	0.115	7	0.140	12	0.165	17	0.190
3	0.120	8	0.145	13	0.170	18	0.195
4	0.125	9	0.150	14	0.175	19	0.200
5	0.130	10	0.155	15	0.180	20	0.205



4. Genera Information

CT通测检测 TESTING CENTRE TECHNOLOGY

4.1. Test environment and mode

Temperature:	25.0 °C	
Humidity:	56 % RH	
Atmospheric Pressure:	1010 mbar	KO)

Engineering mode:	Keep the EUT in continuous transmitting by select channel and modulations(The value of duty cycle is 98.46%) with Fully-charged battery.	

The sample was placed (0.1m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

4.2. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Equipment	Model No.	Serial No.	FCC ID	Trade Name
Mobile Phone	SM-G9350	R28HA2ER3GT	/	SAMSUNG
Adapter	EP-TA20CBC	R37HAEY0DT1RT3	I	SAMSUNG

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.

5. Facilities and Accreditations

5.1. Facilities

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

• FCC - Registration No.: 645098

Shenzhen Tongce Testing Lab

The 3m Semi-anechoic chamber has been registered and fully described in a report with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

• IC - Registration No.: 10668A-1

The 3m Semi-anechoic chamber of Shenzhen TCT Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

5.2. Location

Shenzhen Tongce Testing Lab

Address: 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China

TEL: +86-755-27673339

5.3. Measurement Uncertainty

The reported uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

No.	Item	MU
1	Conducted Emission	±2.56dB
2	RF power, conducted	±0.12dB
3	Spurious emissions, conducted	±0.11dB
4	All emissions, radiated(<1G)	±3.92dB
5	All emissions, radiated(>1G)	±4.28dB
6	Temperature	±0.1°C
7	Humidity	±1.0%





6. Test Results and Measurement Data

6.1. Antenna requirement

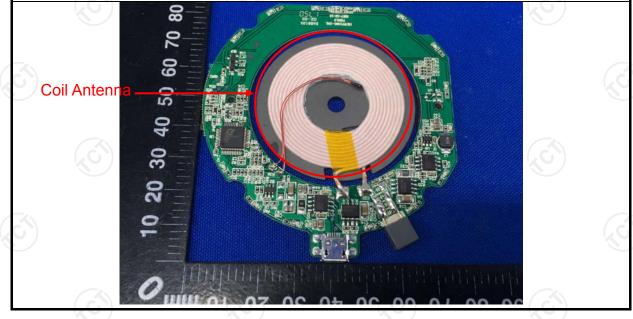
Standard requirement: FCC Part15 C Section 15.203

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.

E.U.T Antenna:

The antenna is coil antenna which permanently attached, and the best case gain of the antenna is 0dBi.



6.2. Conducted Emission

6.2.1. Test Specification

Test Method: Al Frequency Range: 15 Receiver setup: Ri Limits: - Test Setup: -	CC Part15 C Section NSI C63.10:2013 50 kHz to 30 MHz BW=9 kHz, VBW=30 Frequency range (MHz) 0.15-0.5 0.5-5 5-30 Referent 40cm E.U.T Adap Test table/Insulation plan	0 kHz, Sweep times Limit (c Quasi-peak 66 to 56* 56 60 nce Plane	BuV) Average 56 to 46* 46 50
Frequency Range: 15 Receiver setup: RI Limits: Image: Comparison of the setup: Test Setup: Image: Comparison of the setup: Receiver setup: Image: Comparison of the setup:	50 kHz to 30 MHz BW=9 kHz, VBW=30 Frequency range (MHz) 0.15-0.5 0.5-5 5-30 Referen 40cm	Limit (c Quasi-peak 66 to 56* 56 60 nce Plane	BuV) Average 56 to 46* 46 50
Receiver setup: RI	BW=9 kHz, VBW=30 Frequency range (MHz) 0.15-0.5 0.5-5 5-30 Referent 40cm E.U.T Adap	Limit (c Quasi-peak 66 to 56* 56 60 nce Plane	BuV) Average 56 to 46* 46 50
Limits:	Frequency range (MHz) 0.15-0.5 0.5-5 5-30 Referen 40cm	Limit (c Quasi-peak 66 to 56* 56 60 nce Plane	BuV) Average 56 to 46* 46 50
Test Setup:	(MHz) 0.15-0.5 0.5-5 5-30 Referen 40cm	Quasi-peak 66 to 56* 56 60 nce Plane 80cm Filt EMI Receiver	Average 56 to 46* 46 50
Test Setup:	(MHz) 0.15-0.5 0.5-5 5-30 Referen 40cm	66 to 56* 56 60 nce Plane 80cm Filt EMI Receiver	56 to 46* 46 50
Test Setup:	0.15-0.5 0.5-5 5-30 Referen 40cm	66 to 56* 56 60 nce Plane 80cm Filt EMI Receiver	56 to 46* 46 50
R	0.5-5 5-30 Referen 40cm	56 60 nce Plane 80cm LISN Filt EMI Receiver	46 50
R	5-30 Referen 40cm E.U.T Adap	60 nce Plane 80cm LISN Filt Dter EMI Receiver	50
R	40cm	80cm LISN Filt EMI Receiver	_
R	40cm	80cm LISN Filt EMI Receiver	_
	emark: U.T. Equipment Under Test SN: Line Impedence Stabilization est table height=0.8m	n Network	
Test Mode: Cl	harging + Transmittin	ng Mode	
2. Test Procedure: 3.	The E.U.T is connelimpedance stabiliz provides a 500hm/5 measuring equipment The peripheral device power through a LI coupling impedance refer to the block photographs). Both sides of A.C. conducted interferent emission, the relative the interface cables ANSI C63.10: 2013	ation network 50uH coupling imp nt. ces are also conne ISN that provides with 50ohm term diagram of the line are checked nce. In order to fin e positions of equi s must be change	(L.I.S.N.). This pedance for the ected to the main a 50ohm/50uH nination. (Please test setup and d for maximum of the maximum ipment and all of ed according to
Test Result: PA	ASS		Kanal Kanal

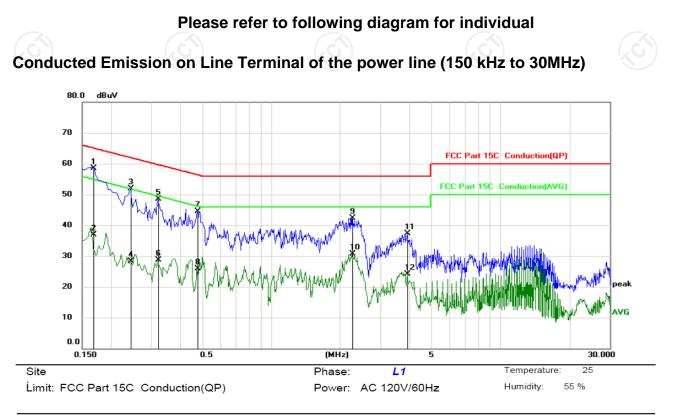
Page 9 of 27

6.2.2. Test Instruments

Conducted Emission Shielding Room Test Site (843)						
Equipment	Manufacturer	Model	Serial Number	Calibration Due		
Test Receiver	R&S	ESPI	101401	Jun. 12, 2018		
LISN	Schwarzbeck	NSLK 8126	8126453	Sep. 27, 2018		
Coax cable (9KHz-30MHz)	тст	CE-05	N/A	Sep. 27, 2018		
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A		

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.2.3. Test data



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1680	47.00	11.47	58.47	65.06	-6.59	QP	
2		0.1680	25.50	11.47	36.97	55.06	-18.09	AVG	
3		0.2445	40.39	11.43	51.82	61.94	-10.12	QP	
4		0.2445	16.88	11.43	28.31	51.94	-23.63	AVG	
5		0.3209	37.06	11.39	48.45	59.68	-11.23	QP	
6		0.3209	17.30	11.39	28.69	49.68	-20.99	AVG	
7		0.4785	33.10	11.31	44.41	56.37	-11.96	QP	
8		0.4785	14.54	11.31	25.85	46.37	-20.52	AVG	
9		2.2559	30.74	11.60	42.34	56.00	-13.66	QP	
10		2.2559	19.02	11.60	30.62	46.00	-15.38	AVG	
11		3.9255	26.28	10.99	37.27	56.00	-18.73	QP	
12		3.9255	13.03	10.99	24.02	46.00	-21.98	AVG	

Note:

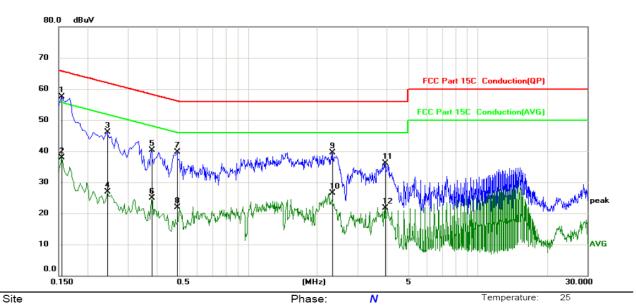
Freq. = Emission frequency in MHz Reading level $(dB\mu V)$ = Receiver reading Corr. Factor (dB) = Antenna factor + Cable loss Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)Limit $(dB\mu V)$ = Limit stated in standard Margin (dB) = Measurement $(dB\mu V)$ – Limits $(dB\mu V)$ Q.P. =Quasi-Peak AVG =average * is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz



Report No.: TCT180110E036

Humidity:

55 %



Power: AC 120V/60Hz

Conducted Emission on Neutral Terminal of the power line (150 kHz to 30MHz)

Limit: FCC Part 15C Conduction(QP)

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBu∀	dB	Detector	Comment
1	*	0.1545	46.00	11.47	57.47	65.75	-8.28	QP	
2		0.1545	26.47	11.47	37.94	55.75	-17.81	AVG	
3		0.2445	34.68	11.43	46.11	61.94	-15.83	QP	
4		0.2445	15.47	11.43	26.90	51.94	-25.04	AVG	
5		0.3795	28.90	11.36	40.26	58.29	-18.03	QP	
6		0.3795	13.57	11.36	24.93	48.29	-23.36	AVG	
7		0.4920	28.40	11.30	39.70	56.13	-16.43	QP	
8		0.4920	10.59	11.30	21.89	46.13	-24.24	AVG	
9		2.3325	27.99	11.57	39.56	56.00	-16.44	QP	
10		2.3325	14.90	11.57	26.47	46.00	-19.53	AVG	
11		3.9480	25.05	10.99	36.04	56.00	-19.96	QP	
12		3.9480	10.71	10.99	21.70	46.00	-24.30	AVG	

Note1:

Freq. = Emission frequency in MHz Reading level $(dB\mu V)$ = Receiver reading Corr. Factor (dB) = Antenna factor + Cable loss Measurement $(dB\mu V)$ = Reading level $(dB\mu V)$ + Corr. Factor (dB)Limit $(dB\mu V)$ = Limit stated in standard Margin (dB) = Measurement $(dB\mu V)$ - Limits $(dB\mu V)$ Q.P. =Quasi-Peak AVG =average * is meaning the worst frequency has been tested in the frequency range 150 kHz to

* is meaning the worst frequency has been tested in the frequency range 150 kHz to 30MHz.

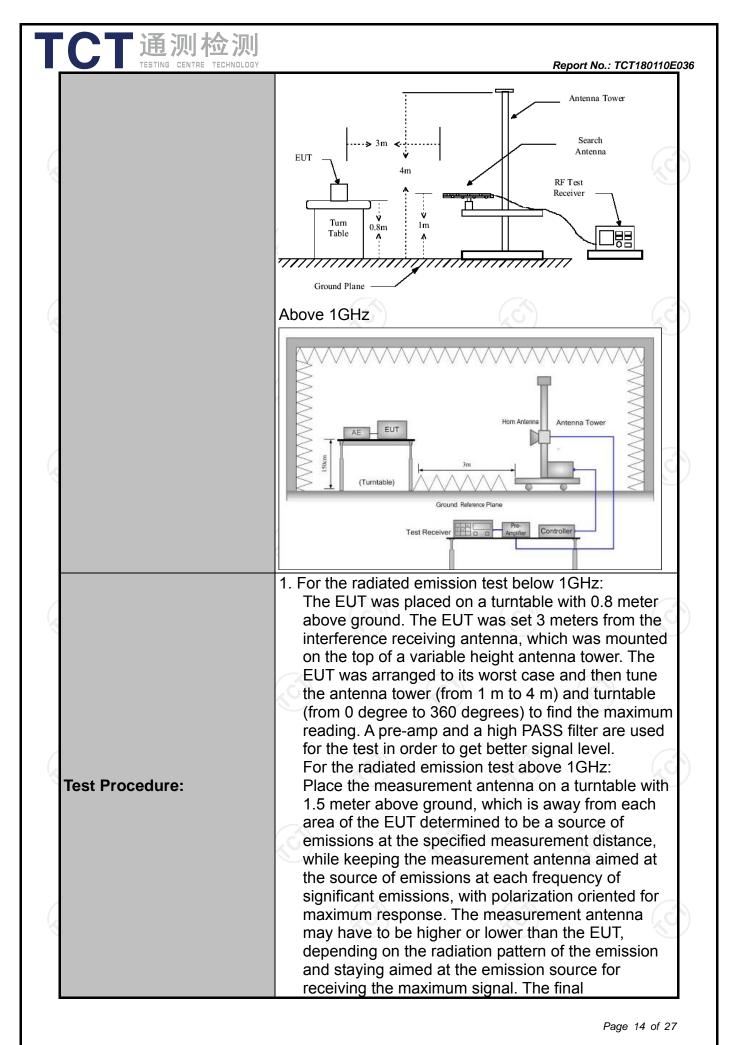
Page 12 of 27

6.3. Radiated Spurious Emission Measurement

6.3.1. Test Specification

TCT通测检测 TESTING CENTRE TECHNOLOGY

Frequency Range:9Measurement Distance:3Antenna Polarization:HOperation mode:RReceiver Setup:3	NSI C63.10 kHz to 25 0 m orizontal & efer to item Frequency 9kHz- 150kHz 150kHz- 30MHz-1GHz Above 1GHz Frequen 0.009-0.4 0.490-1.3 1.705-3 30-88 88-210 216-96 Above 9 Frequency	GHz Vertical 1 4.1 Detector Quasi-pea Quasi-pea Quasi-pea Peak Peak Peak 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1	k 9kHz k 100KHz 1MHz Field Stra (microvolts 2400/F(1 24000/F(1 24000/F(1 30 150 200 500	/meter) KHz) KHz)	Quas Quas P Ave	Remark si-peak Value si-peak Value erage Value erage Value erage Value ance (meters) 300 30 30 30 30 30 30 30 30 30 30 30 30	
Measurement Distance: 3 Antenna Polarization: H Operation mode: R Receiver Setup:	m orizontal & efer to item Frequency 9kHz- 150kHz 150kHz- 30MHz-1GHz Above 1GHz Frequer 0.009-0.4 0.490-1.3 1.705-3 30-88 88-216 216-96 Above 9	Vertical 1 4.1 Detector Quasi-pea Quasi-pea Peak Peak Peak 1 0 1 0 1 0 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1	k 200Hz k 9kHz k 100KHz 1MHz 1MHz Field Stra (microvolts 2400/F(1 24000/F(1 24000/F(1 30 100 1500 500	1kHz 30kHz 300KHz 3MHz 10Hz ength /meter) KHz) KHz)	Quas Quas P Ave	si-peak Value si-peak Value einerage Value erage Value erage Value erage Value erage Value ance (meters) 300 30 30 30 30 30 30 3 3 3 3	
Antenna Polarization: H Operation mode: R Receiver Setup: I I I	orizontal & efer to item Frequency 9kHz- 150kHz 150kHz- 30MHz-30MHz 30MHz-1GHz Above 1GHz Frequen 0.009-0.4 0.490-1.3 1.705-3 30-88 88-216 216-96 Above 9	4.1 Detector Quasi-pea Quasi-pea Peak Peak ncy 490 705 30 60 Fie	k 200Hz k 9kHz k 100KHz 1MHz 1MHz Field Stra (microvolts 2400/F(1 24000/F(1 24000/F(1 30 100 1500 500	1kHz 30kHz 300KHz 3MHz 10Hz ength /meter) KHz) KHz)	Quas Quas P Ave	si-peak Value si-peak Value einerage Value erage Value erage Value erage Value erage Value ance (meters) 300 30 30 30 30 30 30 3 3 3 3	
Operation mode: R Receiver Setup:	efer to item Frequency 9kHz- 150kHz 150kHz- 30MHz 30MHz-1GHz Above 1GHz Frequer 0.009-0.4 0.490-1.3 1.705-3 30-88 88-216 216-96 Above 9	4.1 Detector Quasi-pea Quasi-pea Peak Peak ncy 490 705 30 60 Fie	k 200Hz k 9kHz k 100KHz 1MHz 1MHz Field Stra (microvolts 2400/F(1 24000/F(1 24000/F(1 30 100 1500 500	1kHz 30kHz 300KHz 3MHz 10Hz ength /meter) KHz) KHz)	Quas Quas P Ave	si-peak Value si-peak Value einerage Value erage Value erage Value erage Value erage Value ance (meters) 300 30 30 30 30 30 30 3 3 3 3	
Receiver Setup:	Frequency 9kHz- 150kHz 150kHz- 30MHz 30MHz-1GHz Above 1GHz Frequer 0.009-0.4 0.490-1.3 1.705-3 30-88 88-216 216-96 Above 9	Detector Quasi-pea Quasi-pea Peak Peak Peak 100 705 30 60 60 Fie	k 200Hz k 9kHz k 100KHz 1MHz 1MHz Field Stra (microvolts 2400/F(1 24000/F(1 24000/F(1 30 100 1500 500	1kHz 30kHz 300KHz 3MHz 10Hz ength /meter) KHz) KHz)	Quas Quas P Ave	si-peak Value si-peak Value einerage Value erage Value erage Value erage Value erage Value ance (meters) 300 30 30 30 30 30 30 3 3 3 3	
Receiver Setup:	OkHz- 150kHz 150kHz- 30MHz 30MHz-1GHz 30MHz-1GHz Above 1GHz Frequer 0.009-0.4 0.490-1.3 1.705-3 30-88 88-216 216-96 Above 9	Quasi-pea Quasi-pea Peak Peak rcy 190 705 50 60 60 Fie	k 200Hz k 9kHz k 100KHz 1MHz 1MHz Field Stra (microvolts 2400/F(1 24000/F(1 24000/F(1 30 100 1500 500	1kHz 30kHz 300KHz 3MHz 10Hz ength /meter) KHz) KHz)	Quas Quas P Ave	si-peak Value si-peak Value einerage Value erage Value erage Value erage Value erage Value ance (meters) 300 30 30 30 30 30 30 3 3 3 3	
Receiver Setup:	150kHz- 30MHz 30MHz-1GHz Above 1GHz Frequer 0.009-0.4 0.490-1.1 1.705-3 30-88 88-216 216-96 Above 9	Quasi-pea Quasi-pea Peak Peak 190 705 30 60 Fie	k 9kHz k 100KHz 1MHz 1MHz Field Stra (microvolts 2400/F(1 24000/F(1 24000/F(1 30 150 200 500	30kHz 300KHz 3MHz 10Hz ength /meter) KHz) KHz)	Quas Quas P Ave	si-peak Value eak Value erage Value erage Value erage Value assurement ance (meters) 300 30 30 30 30 30 30 3 3 3 3 3	
	Above 1GHz Frequer 0.009-0.4 0.490-1.3 1.705-3 30-88 88-216 216-96 Above 9	Peak Peak Icy 190 705 30 60 60 Fie	1MHz 1MHz Field Stra (microvolts 2400/F(1 24000/F(1 24000/F(1 30 100 150 200 500	3MHz 10Hz ength /meter) KHz) KHz)	P Ave Me	eak Value erage Value easurement ance (meters) 300 30 30 30 30 30 30 30 30 30 33 3 3 3 3	
	Frequer 0.009-0.4 0.490-1.1 1.705-3 30-88 88-210 216-96 Above 9	Peak icy 190 705 30 60 60 Fie	1MHz Field Stra (microvolts 2400/F(1 24000/F(30 100 150 200 500	10Hz ength /meter) KHz) KHz)	Ave Me	erage Value easurement ance (meters) 300 30 30 30 30 3 3 3 3 3 3	
	Frequer 0.009-0.4 0.490-1.1 1.705-3 30-88 88-210 216-96 Above 9	Acy 490 705 30 60 60 Fie	Field Stra (microvolts 2400/F(1 24000/F(30 100 150 200 500	ength /meter) KHz) (KHz)	Me	easurement ance (meters) 300 30 30 30 3 3 3 3 3 3	
Limit:	0.009-0.4 0.490-1.1 1.705-3 30-88 88-216 216-96 Above 9	490 705 30 60 60 Fie	(microvolts 2400/F(l 24000/F(30 100 150 200 500	/meter) KHz) KHz)		ance (meters) 300 30 30 30 3 3 3 3 3	
Limit:	0.490-1. 1.705-3 30-88 88-216 216-96 Above 9	705 30 30 60 Fie	2400/F(I 24000/F(30 100 150 200 500	KHz) (KHz)		300 30 30 3 3 3 3 3 3	
Limit:	1.705-3 30-88 88-216 216-96 Above 9	30 5 0 60 Fie	30 100 150 200 500		- Ce	30 3 3 3 3	
Limit:	30-88 88-210 216-96 Above 9	60 Fie	100 150 200 500	(K)		3 3 3	
Limit:	88-210 216-96 Above 9	60 60 Fie	150 200 500	(K)		3 3	
Limit:	216-96 Above 9	0 60 Fie	200 500			3	
	Above 9	60 Fie	500				
		Fie	()	$\langle O \rangle$	l	3	
	Frequency		ld Strength		G)		
	Frequency		Field Strength (microvolts/meter)		ment ice rs)	Detector Average	
	Above 1GH	z	5000	3	- 12	Peak	
Test setup:	For radiated emissions below 30MHz Distance = 3m Compute Pre -Amplifier FUT Turn table Ground Plane						
30	0MHz to 10	GHz					



Test mode	:	Refer to section 4.1 for	or details	
Test mode	:	of the EUT measure lower than the apprendict of the EUT measure level will be report measurement will detector and report 4. Use the following s (1) Span shall wide emission being (2) Set RBW=100 Sweep = auto; max hold; (3) Set RBW = 1 M for peak measure For average measure duty cycle is no less when duty cycle is no less the minimum transit transmitter is on a power control level	red by the peak detector is 3 blicable limit, the peak emiss ed. Otherwise, the emission be repeated using the quasi- ted. pectrum analyzer settings: e enough to fully capture the measured; kHz for f < 1 GHz; VBW ≥F Detector function = peak; Tr Hz, VBW= 3MHz for f 10 urement. urement: VBW = 10 Hz, whe so than 98 percent. VBW ≥ less than 98 percent where mission duration over which nd is transmitting at its maxin I for the tested mode of oper	B dB ion -peak -peak RBW; ace = GHz an 1/T, T is n the mum
	resting centre technology	maximizes the em antenna elevation restricted to a rang above the ground 2. Corrected Reading Read Level - Prea	Report No.: TC enna elevation shall be that v issions. The measurement for maximum emissions sha ge of heights of from 1 m to 4 or reference ground plane. : Antenna Factor + Cable Lo mp Factor = Level pelow 1GHz, If the emission	which III be 4 m oss +

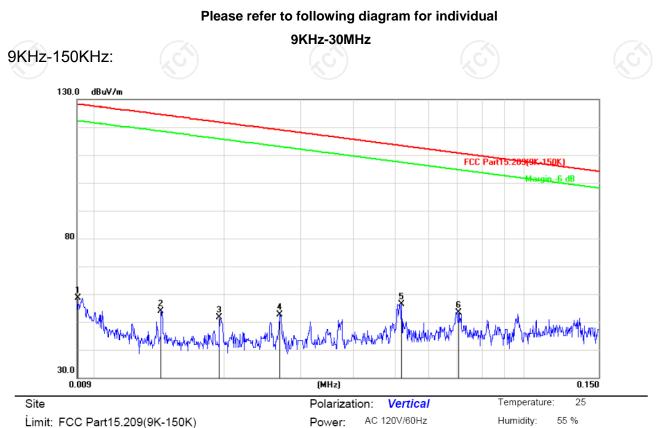


6.3.2. Test Instruments

	Radiated Em	ission Test Sit	te (966)		
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due	
Test Receiver	ROHDE&SCHW ARZ	ESVD	100008	Sep. 27, 2018	
Spectrum Analyzer	ROHDE&SCHW ARZ	FSQ	200061	Sep. 27, 2018	
Pre-amplifier	EM Electronics Corporation CO.,LTD	EM30265	07032613	Sep. 27, 2018	
Pre-amplifier	HP	8447D	2727A05017	Sep. 27, 2018	
Loop antenna	ZHINAN	ZN30900A	12024	Sep. 27, 2018	
Broadband Antenna	Schwarzbeck	VULB9163	340	Sep. 27, 2018	
Horn Antenna	Schwarzbeck	BBHA 9120D	631	Sep. 27, 2018	
Horn Antenna	Schwarzbeck	BBH 9170	582	Jun. 07, 2018	
Antenna Mast	Keleto	CC-A-4M	N/A	N/A	
Coax cable (9KHz-1GHz)	тст	RE-low-01	N/A	Sep. 27, 2018	
Coax cable (9KHz-40GHz)	тст	RE-high-02	N/A	Sep. 27, 2018	
Coax cable (9KHz-1GHz)	тст	RE-low-03	N/A	Sep. 27, 2018	
Coax cable (9KHz-40GHz)	тст	RE-high-04	N/A	Sep. 27, 2018	
EMI Test Software	Shurple Technology	EZ-EMC	N/A	N/A	

Note: The calibration interval of the above test instruments is 12 months and the calibrations are traceable to international system unit (SI).

6.3.3. Test Data

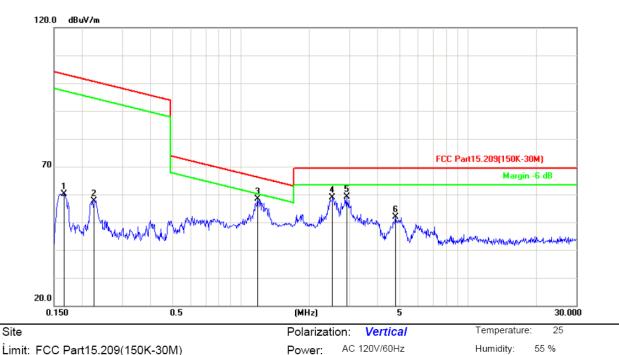


Report No.: TCT180110E036

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1	0.0091	58.58	0.00	58.58	128.4	-69.83	peak			
2	0.0142	32.48	21.47	53.95	124.5	-70.61	peak			
3	0.0194	33.01	18.72	51.73	121.8	-70.12	peak			
4	0.0269	33.76	18.86	52.62	119.0	-66.39	peak			
5 *	0.0517	35.91	20.51	56.42	113.3	-56.92	peak			
6	0.0704	31.51	21.79	53.30	110.6	-57.36	peak			



150KHz-30MHz:

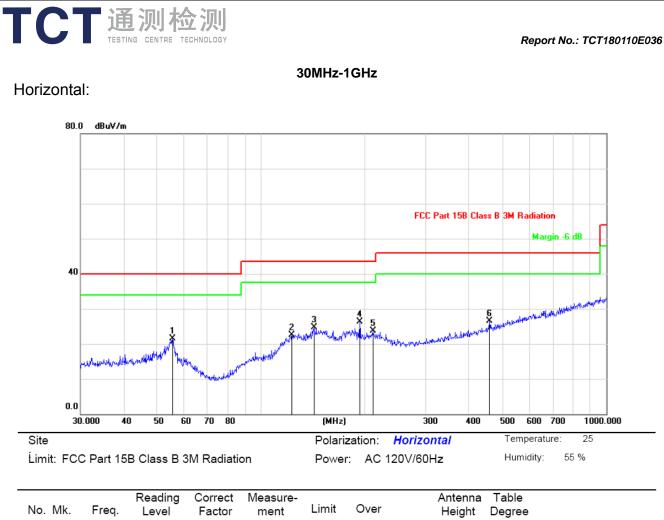


Limit: FCC Part15.209(150K-30M)

1	MHz 0.1658	dBuV 34.04	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Commont
1	0.1658	34.04	~~~~				Detector	un	uegree	Comment
1			26.07	60.11	103.2	-43.12	peak			
2	0.2255	31.88	25.75	57.63	100.5	-42.92	peak			
3 *	1.1834	33.56	24.94	58.50	66.16	-7.66	peak			
4	2.5266	34.10	24.66	58.76	69.50	-10.74	peak			
5	2.9152	34.41	24.64	59.05	69.50	-10.45	peak			
6	4.7968	27.41	24.51	51.92	69.50	-17.58	peak			

Page 18 of 27

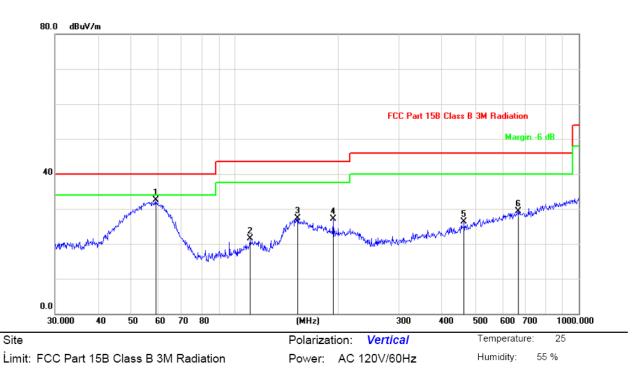
Report No.: TCT180110E036



No.	Mk.	Freq.	Level	Factor	ment	Limit	Over		Height	Degree	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1		55.4147	34.54	-13.08	21.46	40.00	-18.54	peak			
2		122.8340	37.12	-14.59	22.53	43.50	-20.97	peak			
3		142.3243	40.62	-15.96	24.66	43.50	-18.84	peak			
4	*	193.0945	39.52	-13.17	26.35	43.50	-17.15	peak			
5		210.7860	36.05	-12.32	23.73	43.50	-19.77	peak			
6		459.1144	30.72	-4.20	26.52	46.00	-19.48	peak			

Page 19 of 27

Vertical:



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dB/m	dB	Detector	cm	degree	Comment
1	*	58.8185	45.93	-13.35	32.58	40.00	-7.42	peak			
2		110.9571	34.22	-12.65	21.57	43.50	-21.93	peak			
3		152.1297	42.90	-15.67	27.23	43.50	-16.27	peak			
4		193.0945	40.27	-13.17	27.10	43.50	-16.40	peak			
5		463.9696	30.37	-4.07	26.30	46.00	-19.70	peak			
6		665.8035	29.52	-0.28	29.24	46.00	-16.76	peak			

Note:

Emission Level=Peak Reading + Correction Factor; Correction Factor= Antenna Factor + Cable loss - Pre-amplifier



Report No.: TCT180110E036









