

Report No: CCISE200711403

FCC REPORT

Applicant:	Industria Fueguina de Relojeria Electronica S. A.		
Address of Applicant:	Sarmiento 2920, Rio Grande CP(9420). Tierra del Fuego		
Equipment Under Test (E	EUT)		
Product Name:	Smart phone		
Model No.:	Smartway T3		
Trade mark:	KODAK		
FCC ID:	2ALP3-T3		
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247		
Date of sample receipt:	29 Jul., 2020		
Date of Test:	30 Jul., to 08 Sep., 2020		
Date of report issued:	09 Sep., 2020		
Test Result:	PASS *		

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

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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2 Version

Version No.	Date	Description
00	09 Sep., 2020	Original

Tested by:

Mike.OU Test Engineer

Date: 09 Sep., 2020

Winner Thang

Reviewed by:

Project Engineer

09 Sep., 2020 Date:

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Test Summary 4

Test Items	Section in CFR 47	Result	
Antenna requirement	15.203 & 15.247 (b)	Pass	
AC Power Line Conducted Emission	15.207	Pass	
Conducted Peak Output Power	15.247 (b)(3)	Pass	
6dB Emission Bandwidth 99% Occupied Bandwidth	15.247 (a)(2)	Pass	
Power Spectral Density	15.247 (e)	Pass	
Band Edge	15.247 (d)	Pass	
Spurious Emission	15.205 & 15.209	Pass	
 <i>Remark:</i> 1. Pass: The EUT complies with the essential requirements in the standard. 2. N/A: Not Applicable. 			

2. N/A: NOt Applicable.

З. The cable insertion loss used by "RF Output Power" and other conduction measurement items is 0.5dB (provided by the customer).

Test Method:

ANSI C63.10-2013 KDB 558074 D01 15.247 Meas Guidance v05r02



5 General Information

5.1 Client Information

Applicant:	Industria Fueguina de Relojeria Electronica S. A.
Address:	Sarmiento 2920, Rio Grande CP(9420). Tierra del Fuego
Manufacturer:	HK I-SWIM TECHNOLOGY CO., LIMITED
Address:	RM 1405, 14/F., LUCKY CENTRE, 165 WANCHAI ROAD, WANCHAI, HK

5.2 General Description of E.U.T.

Product Name:	Smart phone
Model No.:	Smartway T3
Operation Frequency:	2402-2480 MHz
Channel numbers:	40
Channel separation:	2 MHz
Modulation technology:	GFSK
Data speed :	1Mbps
Antenna Type:	Internal Antenna
Antenna gain:	0.5 dBi
Power supply:	Rechargeable Li-ion Battery DC3.8V-2700mAh
AC adapter:	Model: KA1508-0501000AR
	Input: AC100-240V, 50/60Hz, 0.2A
	Output: DC 5.0V, 1000mA
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	10	2422MHz	20	2442MHz	30	2462MHz
1	2404MHz	11	2424MHz	21	2444MHz	31	2464MHz
2	2406MHz	12	2426MHz	22	2446MHz	32	2466MHz
3	2408MHz	13	2428MHz	23	2448MHz	33	2468MHz
4	2410MHz	14	2430MHz	24	2450MHz	34	2470MHz
5	2412MHz	15	2432MHz	25	2452MHz	35	2472MHz
6	2414MHz	16	2434MHz	26	2454MHz	36	2474MHz
7	2416MHz	17	2436MHz	27	2456MHz	37	2476MHz
8	2418MHz	18	2438MHz	28	2458MHz	38	2478MHz
9	2420MHz	19	2440MHz	29	2460MHz	39	2480MHz
9		_		-			

Note:

In section 15.31(*m*), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test. Channel No. 0, 20 & 39 were selected as Lowest, Middle and Highest channel.



5.3 Test environment and mode, and test samples plans

Operating Environment:

operating Environment.	
Temperature:	24.0 °C
Humidity:	54 % RH
Atmospheric Pressure:	1010 mbar
Test mode:	
Transmitting mode	Keep the EUT in continuous transmitting with modulation

Radiated Emission: The sample was placed 0.8m (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. Duty cycle setting during the transmission is 100% with maximum power setting for all modulations.

5.4 Description of Support Units

The EUT has been tested as an independent unit.

5.5 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±1.60 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.16 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.20 dB (k=2)

5.6 Additions to, deviations, or exclusions from the method

No

5.7 Laboratory Facility

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

• FCC - Designation No.: CN1211

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

• ISED – CAB identifier.: CN0021

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

• A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <u>https://portal.a2la.org/scopepdf/4346-01.pdf</u>



5.8 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No.110~116, Building B, Jinyuan Business Building, Xixiang Road,

- Bao'an District, Shenzhen, Guangdong, China
- Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

5.9 Test Instruments list

Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
		0.00 *0.00 *0.00	000	07-22-2017	07-21-2020
3m SAC	SAEMC	9m*6m*6m	966	07-22-2020	07-21-2021
Loop Antenna	SCHWARZBECK	FMZB1519B	044	03-07-2020	03-06-2021
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-07-2020	03-06-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-07-2020	03-06-2021
Llava Antonna			1005	06-22-2017	06-21-2020
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2020	06-21-2021
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2019	11-17-2020
EMI Test Software	AUDIX	E3	V	/ersion: 6.110919l	2
Pre-amplifier	HP	8447D	2944A09358	03-07-2020	03-06-2021
Pre-amplifier	CD	PAP-1G18	11804	03-07-2020	03-06-2021
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-05-2020	03-04-2021
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2019	11-17-2020
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-05-2020	03-04-2021
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2020	03-06-2021
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2020	03-06-2021
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2020	03-06-2021
RF Switch Unit	MWRFTEST	MW200	N/A	N/A	N/A
Test Software	MWRFTEST	MTS8200	Version: 2.0.0.0		

Conducted Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-05-2020	03-04-2021
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-05-2020	03-04-2021
LISN	CHASE	MN2050D	1447	03-05-2020	03-04-2021
	Dobdo & Cobwarz	ESH3-Z5	8438621/010	07-21-2017	07-20-2020
LISN Rohde & Schw		ESH3-25	0430021/010	07-21-2020	07-20-2021
Cable	HP	10503A	N/A	03-05-2020	03-04-2021
EMI Test Software	AUDIX	E3	١	/ersion: 6.110919b)



6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement:	FCC Part 15 C Section 15.203 /247(b)
responsible party shall be us antenna that uses a unique so that a broken antenna ca electrical connector is prohil 15.247(b) (4) requirement: (4) The conducted output po antennas with directional ga section, if transmitting anter power from the intentional ra	be designed to ensure that no antenna other than that furnished by the sed with the device. The use of a permanently attached antenna or of an coupling to the intentional radiator, the manufacturer may design the unit an be replaced by the user, but the use of a standard antenna jack or bited. over limit specified in paragraph (b) of this section is based on the use of attached to not exceed 6 dBi. Except as shown in paragraph (c) of this anas of directional gain greater than 6 dBi are used, the conducted output adiator shall be reduced below the stated values in paragraphs (b)(1), tion, as appropriate, by the amount in dB that the directional gain of the
E.U.T Antenna:	
The BLE antenna is an Interr antenna is 0.5 dBi.	hal antenna which cannot replace by end-user, the best-case gain of the

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6.2 Conducted Emission

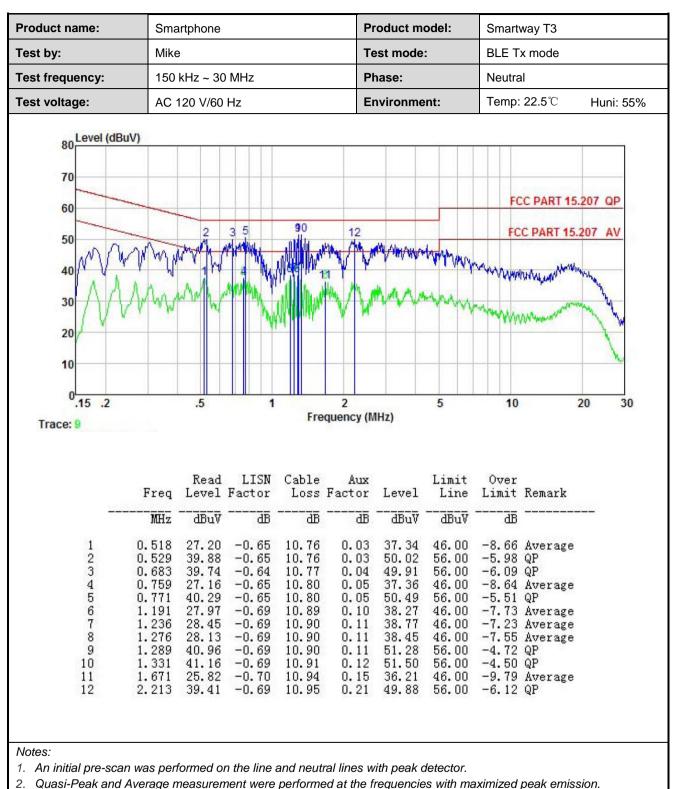
Test Requirement:	FCC Part 15 C Section 15.207						
Test Frequency Range:	150 kHz to 30 MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9kHz, VBW=30kHz						
Limit:	Frequency range (MHz)						
	Quasi-peak Average						
	0.15-0.5 66 to 56* 56 to 0.5-5 56 46						
	5-30	56 60	46 50				
	* Decreases with the logarithm		50				
Test procedure:	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.), which 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(latest version) on conducted measurement. 						
Test setup:	Reference	80cm Filter EMI Receiver	– AC power				
Test Instruments:	Refer to section 5.9 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Passed						



Measurement Data:

Product name:	Smartp	Smartphone		Pr	oduct m	odel:	Smartway T3		
Test by:	Mike	Mike		est mode	:	BLE Tx mode			
Test frequency:	150 kH	50 kHz ~ 30 MHz Phase:			Line				
Test voltage:	AC 120) V/60 Hz		Er	nvironme	nt:	Temp: 22.5 ℃	Huni: 55%	
80 Level (dE 70 60 50 40 40 20 10 0.15 .2 Trace: 11		1 3 ************************************		11 12 12 12 12 10 12 10 10 10 10 10 10 10 10 10 10 10 10 10		5	FCC PART 1		
	Freq Le	Read LISN evel Factor	Cable Loss Fa		Level	Limit Line	Over Limit Remark		
	MHz	dBuV dB	dB	dB	dBuV	dBuV	dB		
1 2 3 4	0.527 3 0.771 39 1.197 32	9.12 -0.44 1.18 -0.45 9.41 -0.55 2.37 -0.59 9.64 -0.59	10.76 -	-0.36 -0.36 -0.17 0.26 0.22 0.22	49.08 41.13 49.49 42.93 50.17 43.80	56.00 46.00 56.00 46.00 56.00 46.00	-6.92 QP -4.87 Average -6.51 QP -3.07 Average -5.83 QP -2.20 Average	9	





3. Final Level = Receiver Read level + LISN Factor + Aux Factor + Cable Loss.



6.3 Conducted Output Power

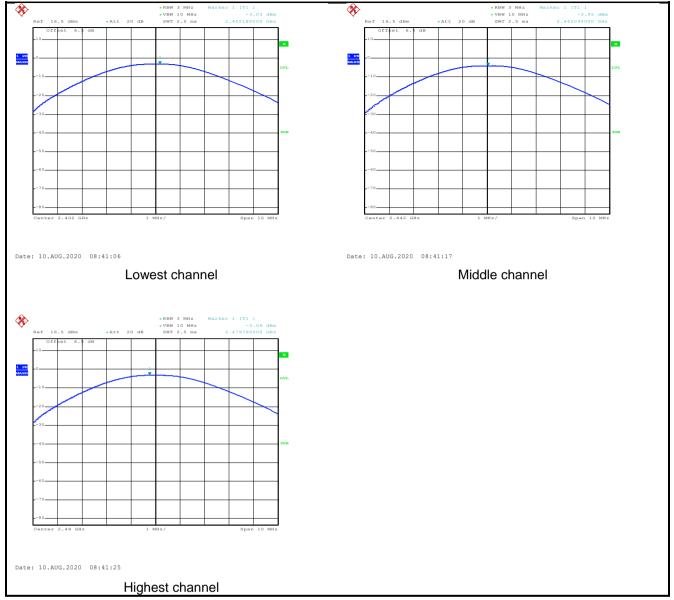
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)					
Limit:	30dBm					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane					
Test Instruments:	Refer to section 5.9 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					

Measurement Data:

Test CH	Maximum Conducted Output Power (dBm)	Limit(dBm)	Result
Lowest	-3.03		
Middle	-3.95	30.00	Pass
Highest	-3.06		

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Test plot as follows:





6.4 Occupy Bandwidth

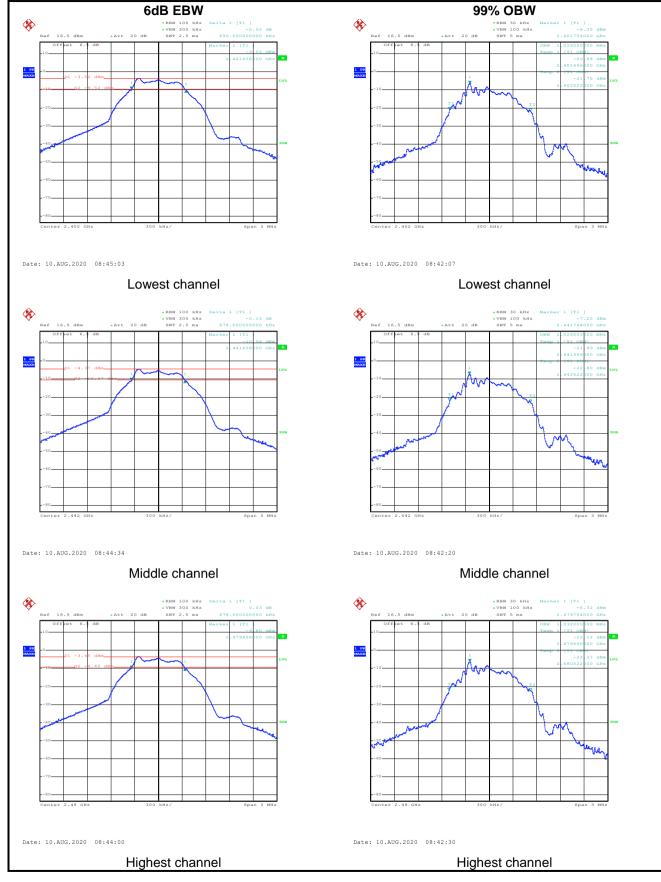
Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)					
Limit:	>500kHz					
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane					
To at la atauna antai						
Test Instruments:	Refer to section 5.9 for details					
Test mode:	Refer to section 5.3 for details					
Test results:	Passed					

Measurement Data:

Test CH	6dB Emission Bandwidth (MHz)	Limit(kHz)	Result
Lowest	0.690		
Middle	0.678	>500	Pass
Highest	0.678		
Test CH	99% Occupy Bandwidth (MHz)	Limit(kHz)	Result
Lowest	1.026		
Middle	1.026	N/A	N/A
Highest	1.032		

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Test plot as follows:





6.5 Power Spectral Density

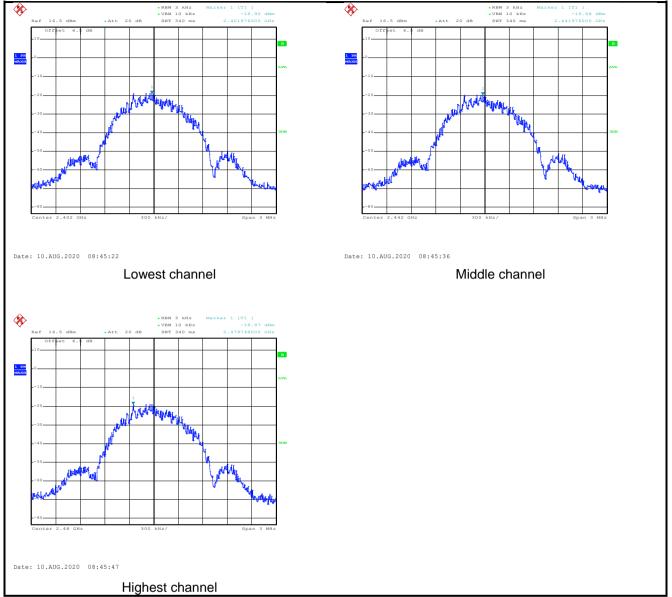
Test Requirement:	FCC Part 15 C Section 15.247 (e)
Limit:	8 dBm/3kHz
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed

Measurement Data:

Test CH	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result	
Lowest	-18.95			
Middle	-19.88	8.00	Pass	
Highest	-18.97			



Test plots as follow:





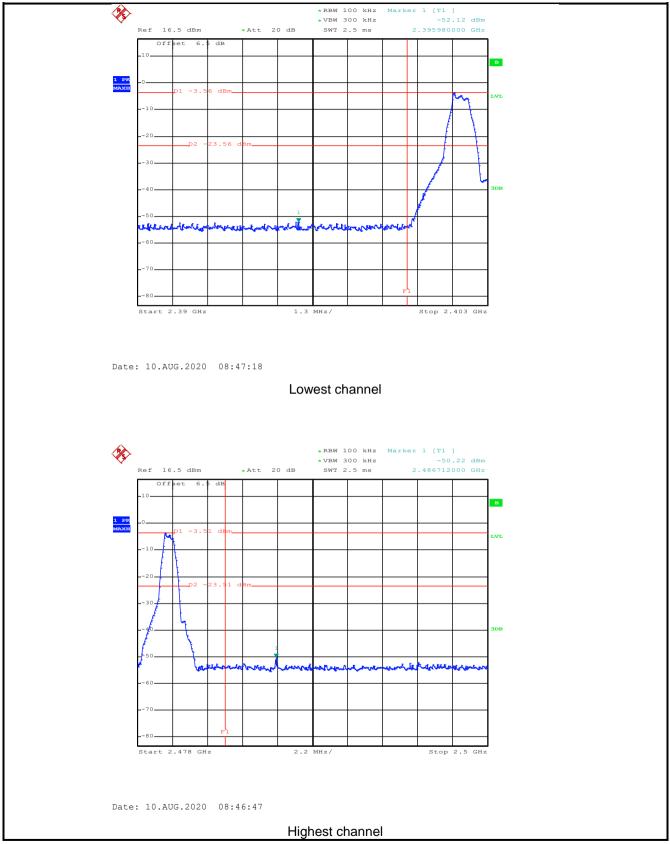
6.6 Band Edge

6.6.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)						
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.						
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane						
Test Instruments:	Refer to section 5.9 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Passed						



Test plots as follow:

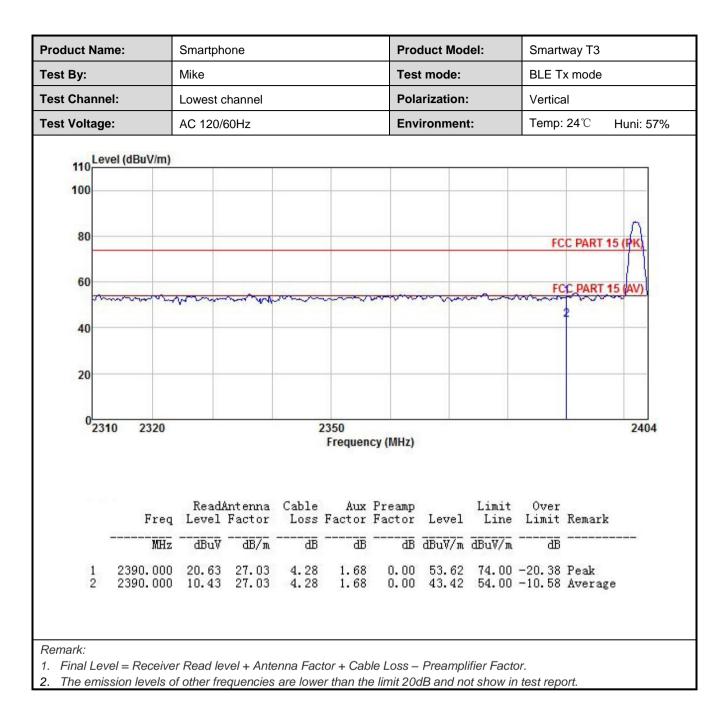




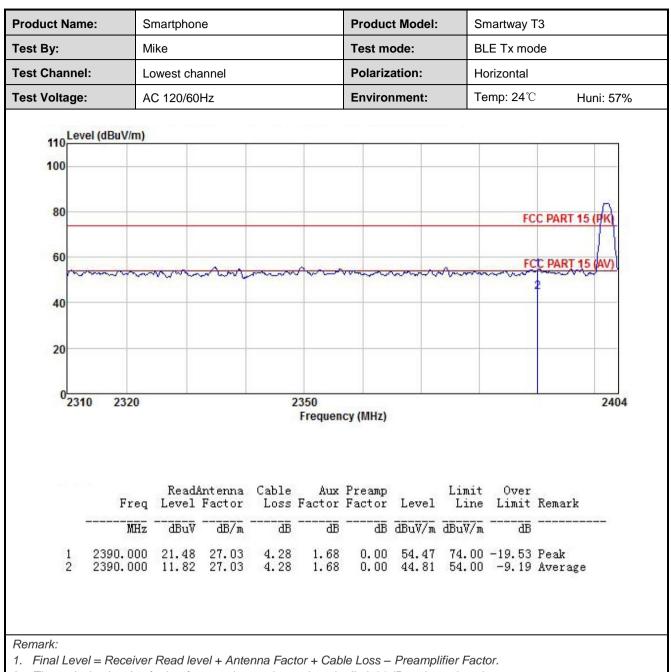
6.6.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.205 and 15.209							
Test Frequency Range:	2310 MHz to 2390 MHz and 2483.5MHz to 2500 MHz							
Test Distance:	3m							
Receiver setup:	Frequency	Detecto	r	RBW		/BW	Remark	
	Above 1GHz	Peak		1MHz		<u>MHz</u>	Peak Value	
	Frequer	RMS	Lim	1MHz		MHz	Average Value	
Limit:		-		nit (dBuV/m @: 54.00	5111)	Remark Average Value		
	Above 10	GHz		74.00		Peak Value		
Test Procedure:	 The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasi- peak or average method as specified and then reported in a data 						eed 360 degrees ce-receiving e-height antenna meters above ield strength. nna are set to d to its worst m 1 meter to 4 s to 360 degrees nction and 0 dB lower than d the peak values ons that did not sing peak, quasi-	
Test setup:		LEUT (umtable) Test Rec	Ground R	Horn Antenna Barn	Antenna Tr	ower		
Test Instruments:	Refer to section	on 5.9 for d	etails	6				
Test mode:	Refer to section	on 5.3 for d	etails	3				
Test results:	Passed							





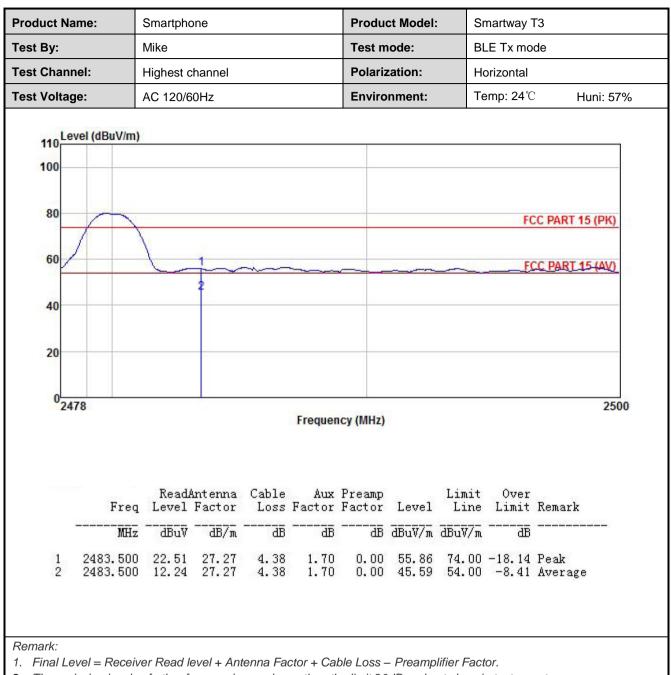






Product Name:	: Smartphone				Proc	Product Model: Smartway T3					
Test By:		Mike				Test	mode:		BLE Tx mode		
Test Channel:		Highest o	hannel			Pola	rization:		Vertica	Vertical	
Test Voltage:		AC 120/60Hz		Env	ironmen	t:	Temp:	: 24 ℃	Huni: 57%		
110 Level (100 80 60 40 20	(dBuV/m)		1							C PART 1	
02478					Frequen	cy (MHz)					2500
	Freq	Read# Level	Intenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark	
	MHz	dBuV		ā	dB	āĒ	dBuV/m	dBuV/m	<u>d</u> B		
			27.27	4.38	1.70	0.00 0.00	55.29	74.00	-18.71	Peak Average	







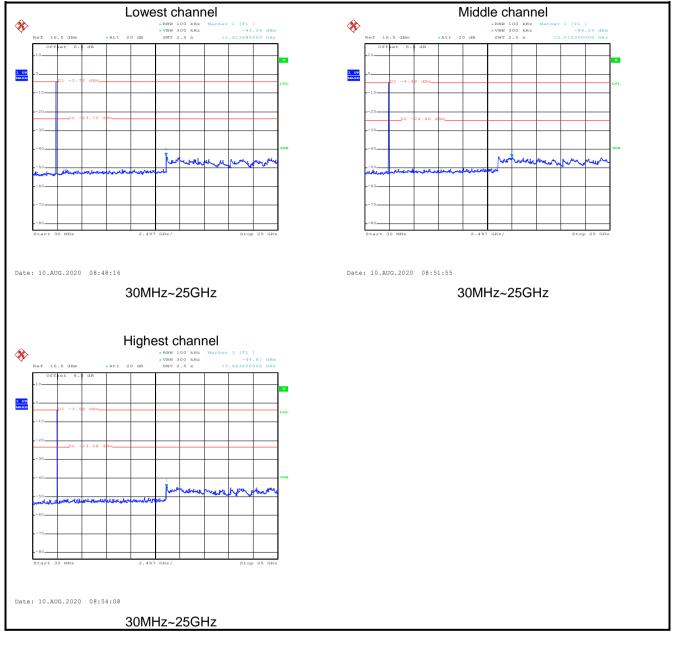
6.7 Spurious Emission

6.7.1 Conducted Emission Method

Test Requirement:	FCC Part 15 C Section 15.247 (d)						
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.						
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane						
Test Instruments:	Refer to section 5.9 for details						
Test mode:	Refer to section 5.3 for details						
Test results:	Passed						

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Test plot as follows:





6.7.2 Radiated Emission Method

Test Requirement:	FCC Part 15 C Section 15.205 and 15.209							
Test Frequency Range:	9kHz to 25GHz							
Test Distance:	3m							
Receiver setup:	Frequency	Detecto	or	RBW	VB	W	Remark	
	30MHz-1GHz	Quasi-pe		120KHz			Quasi-peak Value	
	Above 1CHz Pea					IHz Peak Value		
	Above 1GHz	RMS		1MHz	ЗM	Hz	Average Value	
Limit:	Frequency	y	Lir	nit (dBuV/m @	23m)	Remark		
	30MHz-88M	Hz		40.0	Quasi-peak Value			
	88MHz-216N	/Hz	43.5			Quasi-peak Value		
	216MHz-960	MHz	46.0			Quasi-peak Value		
	960MHz-1G	Hz	54.0			Quasi-peak Value		
	Above 1GF	17	54.0			Average Value		
				74.0			Peak Value table 0.8m(below	
	 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. If the emission level of the EUT in peak mode was 10 dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10 dB margin would be re-tested one by one using peak, quasipeak or average method as specified and then reported in a data 							
Test setup:	Below 1GHz	3m				Antenna Search Antenn Test eiver –	1	

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	AE EUT Horn Arlenna Tower Horn Arlenna Tower Ground Reference Plane Test Receiver
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	 Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis is the worst case. 9 kHz to 30MHz is lower than the limit 20dB, so only shows the data of above 30MHz in this report.



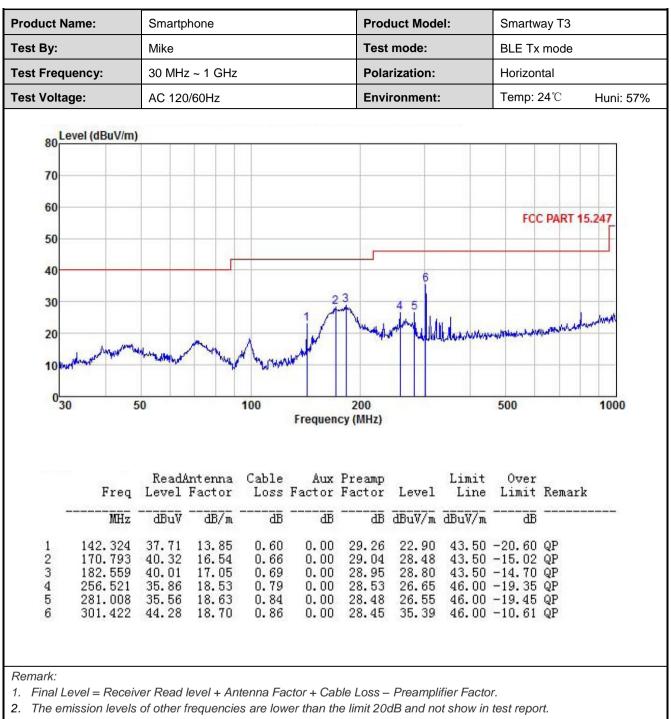
Measurement Data (worst case):

Below 1GHz:

roduct Name:	Smartphone				Product Model:			Smartway T3				
est By:	Mike				Test r	Test mode: Polarization:			BLE Tx mode			
est Frequency:				Polari	Vertical							
est Voltage:					Environment:			Temp: 24°C Huni: 57%				
80 Level (dBuV/m 70 60 50 40 30 20	3		Lun I .	4 5	mmarudal	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	6		PART 15.	F		
10			War									
030			Cable		Preamp		Limit	500 Over		1000		
	ReadA Level 1	ntenna	Cable	Aux	y (MHz) Preamp Factor	Level dBuV/m	Limit Line		Remar			

3. The Aux Factor is a notch filter switch box loss, this item is not used.





3. The Aux Factor is a notch filter switch box loss, this item is not used.



Above 1GHz

Test channel: Lowest channel											
Detector: Peak Value											
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4804.00	47.92	30.78	6.80	2.44	41.81	46.13	74.00	-27.87	Vertical		
4804.00	48.41	30.78	6.80	2.44	41.81	46.62	74.00	-27.38	Horizontal		
Detector: Average Value											
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4804.00	39.54	30.78	6.80	2.44	41.81	37.75	54.00	-16.25	Vertical		
4804.00	40.72	30.78	6.80	2.44	41.81	38.93	54.00	-15.07	Horizontal		
			T		el: Middle ch						
			• • •	1	or: Peak Val	ue					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4884.00	47.52	30.96	6.86	2.47	41.84	45.97	74.00	-28.03	Vertical		
4884.00	48.55	30.96	6.86	2.47	41.84	47.00	74.00	-27.00	Horizontal		
				Detector:	Average Va	alue					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4884.00	40.23	30.96	6.86	2.47	41.84	38.68	54.00	-15.32	Vertical		
4884.00	40.11	30.96	6.86	2.47	41.84	38.56	54.00	-15.44	Horizontal		
	Test channel: Highest channel										
					or: Peak Val						
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4960.00	47.55	31.11	6.91	2.49	41.87	46.19	74.00	-27.81	Vertical		
4960.00	48.12	31.11	6.91	2.49	41.87	46.76	74.00	-27.24	Horizontal		
Detector: Average Value											
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Aux Factor (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization		
4960.00	40.38	31.11	6.91	2.49	41.87	39.02	54.00	-14.98	Vertical		
4960.00	40.22	31.11	6.91	2.49	41.87	38.86	54.00	-15.14	Horizontal		
Remark: 1. Final Lev	/el =Receiv	ver Read leve	el + Anteni	na Factor +	Cable Loss	+ Aux Factor	– Preamplifie	r Factor.			