

Report No: JYTSZE191207201

FCC REPORT

Applicant:	Advanced Sport Instruments SA			
Address of Applicant:	Avenue de Beaumont 5, 1012 Lausanne, Switzerland			
Equipment Under Test (E	EUT)			
Product Name:	ASI3011			
Model No.:	Fieldwiz, AdMos			
FCC ID:	2AZLFASI3011			
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247			
Date of sample receipt:	20 Apr., 2021			
Date of Test:	21 Apr, to 13 May., 2021			
Date of report issued:	14 May., 2021			
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 JYT 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	14 May., 2021	Original

Tested by:

Iana

Test Engineer

Date: 14 May., 2021

Reviewed by:

Winner Thang

Project Engineer

Date: 1

14 May., 2021

Project No.: JYTSZE1912072



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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	
Remark: 1. Pass: The EUT complies with the essent 2. N/A: Not Applicable.	ial requirements in the standard.		

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:	Advanced Sport Instruments SA
Address:	Avenue de Beaumont 5, 1012 Lausanne, Switzerland
Manufacturer:	Advanced Sport Instruments SA
Address:	Avenue de Beaumont 5, 1012 Lausanne, Switzerland
Factory:	Optima International Inc.
Address:	4F, No. 51, Wugong 6th Road, Wugu, Taipei 24891, Taiwan R.O.C.

5.2 General Description of E.U.T.

Product Name:	ASI3011
Model No.:	Fieldwiz, AdMos
Operation Frequency:	2402-2480 MHz
Channel numbers:	40
Channel separation:	2 MHz
Modulation technology:	GFSK
Data speed :	1Mbps
Antenna Type:	PCB Antenna
Antenna gain:	1.6 dBi
Power supply:	Rechargeable Li-ion Battery DC3.7V, 400mAh
Test Sample Condition:	The test samples were provided in good working order with no visible defects.
Remark:	Model No.: Fieldwiz, AdMos were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model and trademark name.

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

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:

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

Transmitting modeKeep the EUT in continuous transmitting with modulationRadiated 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.

Test Samples Plans:

rest bampies rians.			
Samples Number Used for Test Items			
1#	Conducted measurements test method		
2#	Radiated measurements test method		
3# EUT constructional details			
Remark: Jian Yan Testing Group Shenzhen Co., Ltd. is only responsible for the test project data of the above samples,			

and will keep the above samples for a month.

5.4 Description of Support Units

Manufacturer	Description	Model	S/N	FCC ID/DoC
/	Adapter	TPA-10D050200VU01	/	/

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

5.7 Laboratory Facility

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

• FCC - Designation No.: CN1211

JianYan Testing Group Shenzhen 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 JianYan Testing Group Shenzhen 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: https://portal.a2la.org/scopepdf/4346-01.pdf



5.8 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of 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

Radiated Emission:							
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)		
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	SCHWARZBECK		1005	06-22-2020	06-21-2021		
Horn Antenna	SUNWARZDEUK	BBHA9120D	1805	06-19-2020	06-20-2021		
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2019	11-17-2020		
EMI Test Software	AUDIX	E3	Version: 6.110919b		C		
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	
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2020	07-20-2021	
Cable	HP	10503A	N/A	03-05-2020	03-04-2021	
EMI Test Software	AUDIX	E3	Version: 6.110919b			



6 Test results and Measurement Data

6.1 Antenna requirement:

Standard requirement:	FCC Part 15 C Section 15.203 /247(b)						
15.203 requirement:	15.203 requirement:						
responsible party shall be us antenna that uses a unique	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.						
15.247(b) (4) requirement:							
(4) The conducted output po antennas with directional ga section, if transmitting anten power from the intentional rate	(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the						
E.U.T Antenna:							
The PCB antenna is an Internal antenna which cannot replace by end-user, the best-case gain of the antenna is 1.6 dBi.							



6.2 Conducted Emission

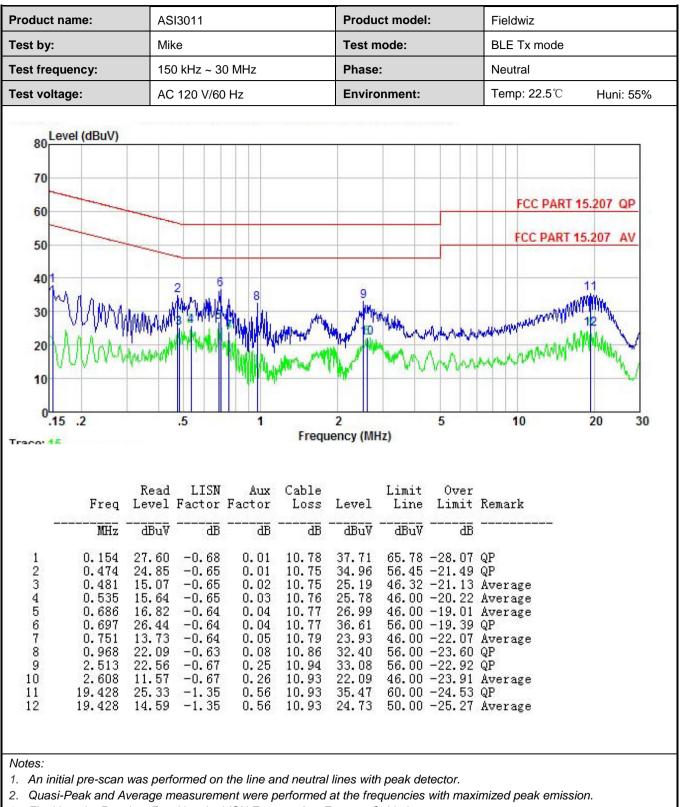
Test Requirement:	FCC Part 15 C Section 15.207	7					
Test Frequency Range:	150 kHz to 30 MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9kHz, VBW=30kHz						
Limit:	Frequency range (MHz)	Limit (dBuV)				
	, , , , , , , , , , , , , , , , ,	Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30	60	50				
	* Decreases with the logarithm						
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	Plane					
	LISN 40cm 40cm Equipment E.U.T Test table/Insulation plane Remarkc E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Net Test table height=0.8m	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 na	ame:	A	ASI3011 Product m		oduct mo	odel:	Fie	Fieldwiz					
Test by:		N	like			Те	st mode:		BL	BLE Tx mode			
Fest frequ	iency:	1	50 kHz ~	30 MHz		Ph	ase:		Lin	е			
Test volta	ge:	A	C 120 V/6	60 Hz		En	vironme	nt:	Tei	mp: 22.5℃	Huni: 55%		
80 Lev 70 60 50 40 30 20 10 0.15	Vel (dBuV)	Manual	24	6		2		where the second		FCC PART	15.207 QP 15.207 AV		
race 11					Fr	equency	(MHz)						
	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark				
	MHz	dBu∛	₫₿	ā	dB	₫₿uѶ	dBu∛	<u>ab</u>					
1 2 3 4 5 6 7 8 9 10 11 12	$\begin{array}{c} 0.194\\ 0.481\\ 0.535\\ 0.535\\ 0.697\\ 0.697\\ 1.005\\ 1.010\\ 2.608\\ 2.608\\ 19.428 \end{array}$	24.75	-0.39 -0.39 -0.38 -0.38 -0.38 -0.38 -0.38 -0.43 -0.43	$\begin{array}{c} 0.\ 00\\ 0.\ 00\\ -0.\ 24\\ 0.\ 00\\ -0.\ 36\\ 0.\ 00\\ -0.\ 40\\ 0.\ 00\\ 0.\ 45\\ 0.\ 00\\ -0.\ 25\\ 1.\ 20\\ \end{array}$	10.76 10.75 10.75 10.76 10.76 10.77 10.87 10.87 10.93 10.93 10.93	36.28 34.87 27.17 37.33 27.07 34.72 24.79 30.33 21.59 32.30 21.93 25.25	$\begin{array}{c} 56.32\\ 46.32\\ 56.00\\ 46.00\\ 56.00\\ 46.00\\ 56.00\\ 46.00\\ 56.00\\ 46.00\\ 56.00\\ 46.00\\ \end{array}$	-18.67 -18.93 -21.28 -21.21 -25.67 -24.41 -23.70 -24.07	QP Average QP Average QP Average QP Average				
12 Notes: 1. An initia	19.428	14.06	-0.94	1.20	10.93	25.25	50.00 with pea	-24.75	Average r.	d neak emissi			





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



6.3 Conducted Output Power

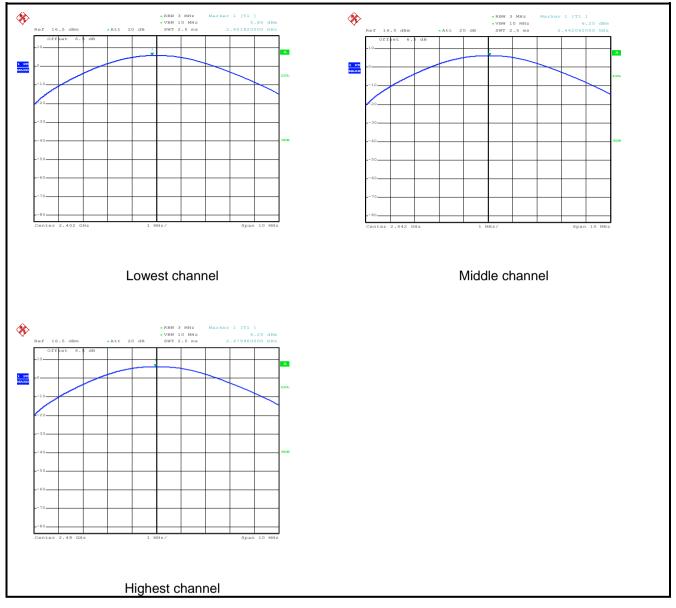
Test Requirement:	FCC Part 15 C Section 15.247 (b)(3)				
Limit:	30dBm				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.9 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

Measurement Data:

Test CH	Maximum Conducted Output Power (dBm)	Limit(dBm)	Result
Lowest	5.85		
Middle	6.25	30.00	Pass
Highest	6.25		



Test plot as follows:





6.4 Occupy Bandwidth

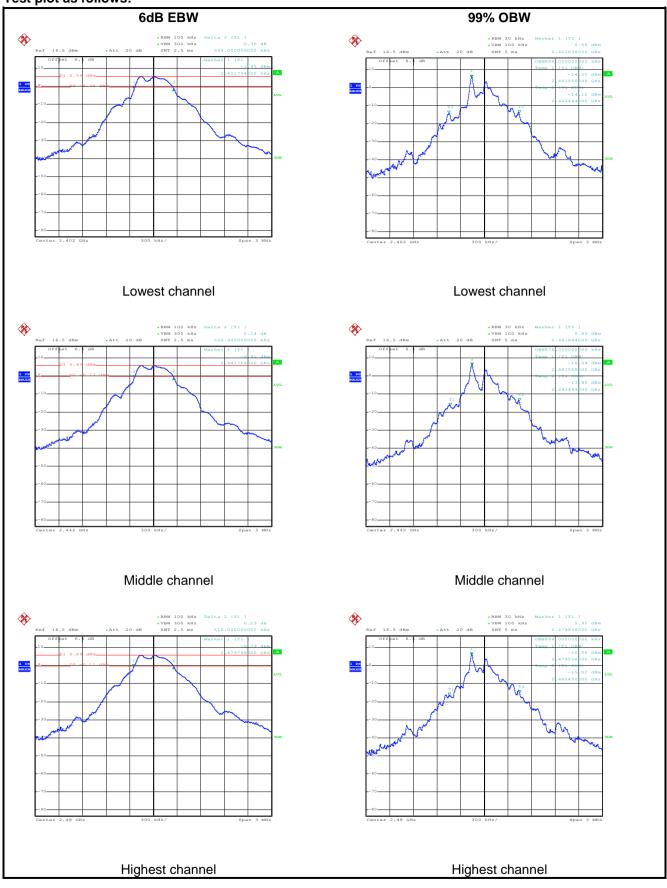
Test Requirement:	FCC Part 15 C Section 15.247 (a)(2)				
Limit:	>500kHz				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table				
	Ground Reference Plane				
Test Instruments:	Refer to section 5.9 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

Measurement Data:

Test CH	6dB Emission Bandwidth (MHz)	Limit(kHz)	Result
Lowest	0.504		
Middle	0.504	>500	Pass
Highest	0.510		
Test CH	99% Occupy Bandwidth (MHz)	Limit(kHz)	Result
Lowest	0.894		
Middle	Middle 0.876		N/A
Highest	0.894		



Test plot as follows:



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6.5 Power Spectral Density

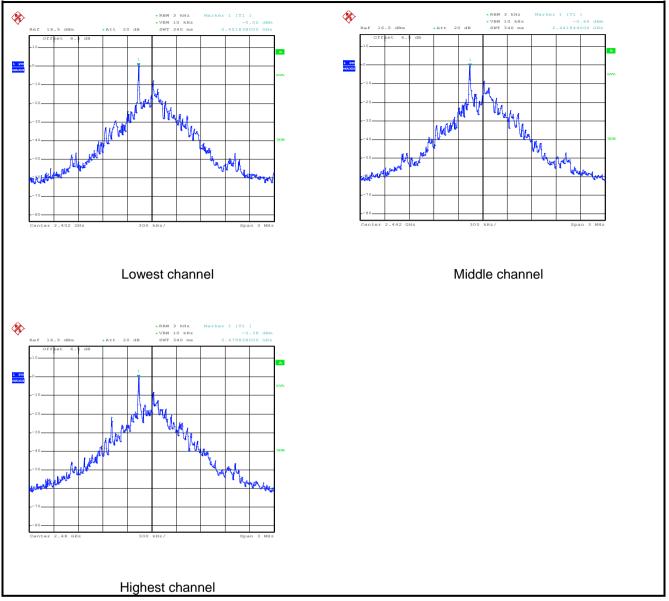
Test Requirement:	FCC Part 15 C Section 15.247 (e)				
Limit:	8 dBm/3kHz				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 5.9 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Passed				

Measurement Data:

Test CH	Power Spectral Density (dBm/3kHz)	Limit (dBm/3kHz)	Result
Lowest	-0.02		
Middle	-0.66	8.00	Pass
Highest	-0.38		



Test plots as follow:





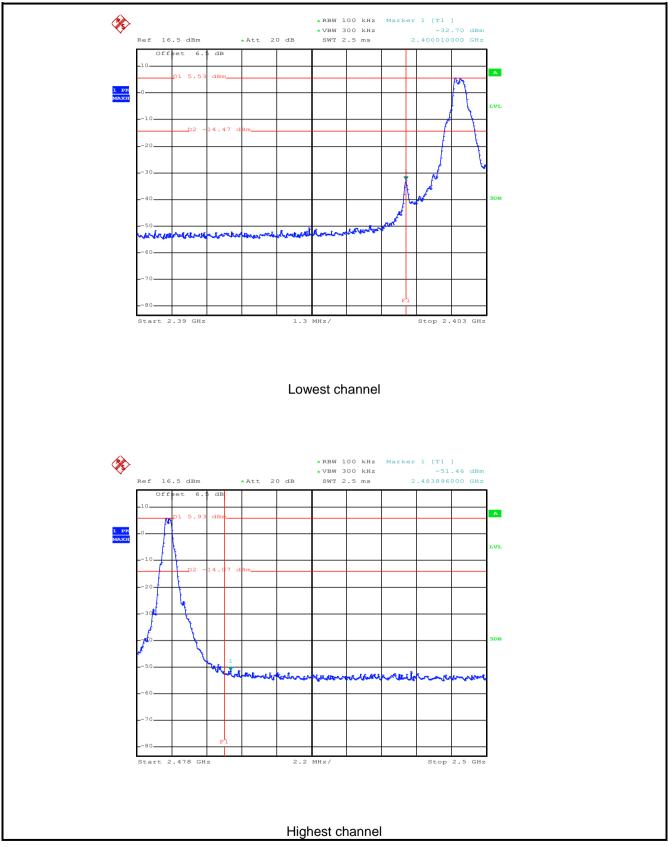
6.6 Band Edge

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:



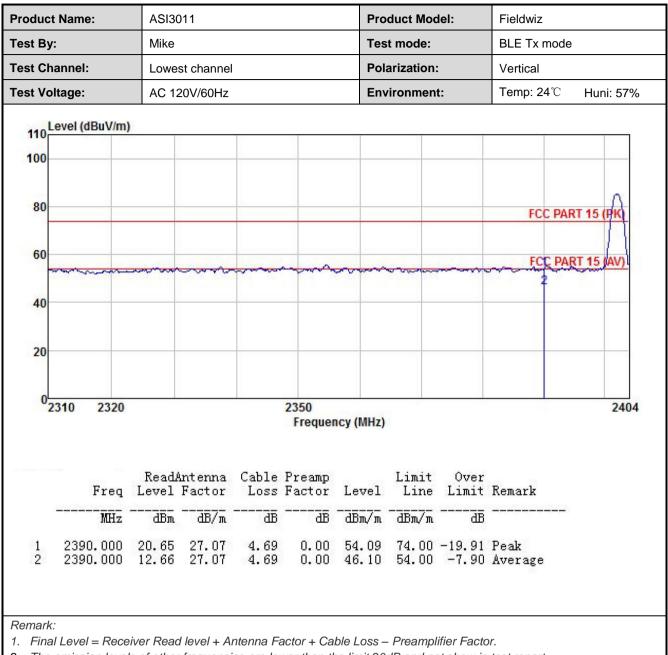


6.6.2 Radiated Emission Method

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	Detector	or RBW		V	/BW	Remark	
	Above 1GHz	Peak		1MHz		MHz	Peak Value	
		RMS	Limi	1MHz		MHz	Average Value	
Limit:	Frequer		LIM	it (dBuV/m @3 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 							
Test setup:		urntable)		ф.	Antenna Tr	ower		
Test Instruments:	Refer to section 5.9 for details							
Test mode:	Refer to section 5.3 for details							
Test results:	Passed							

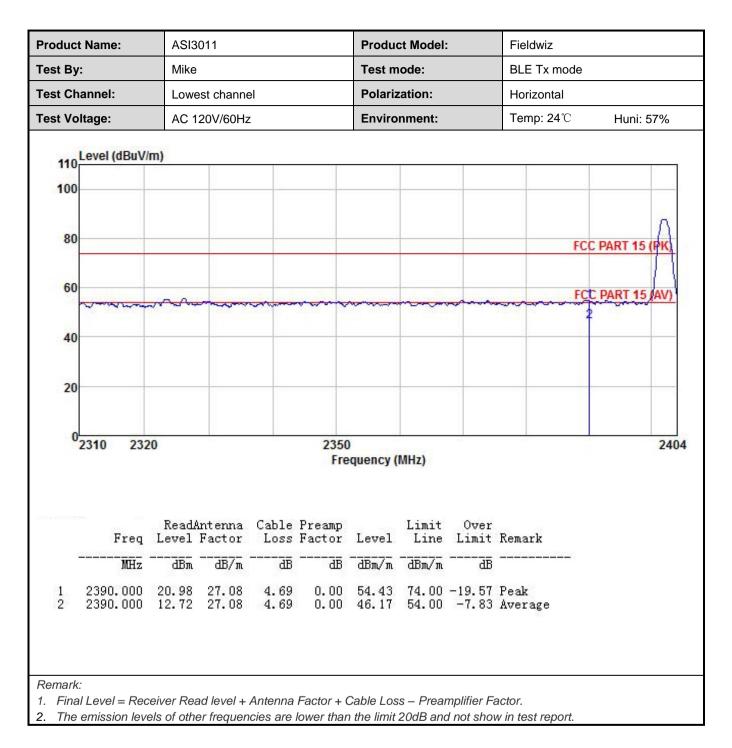
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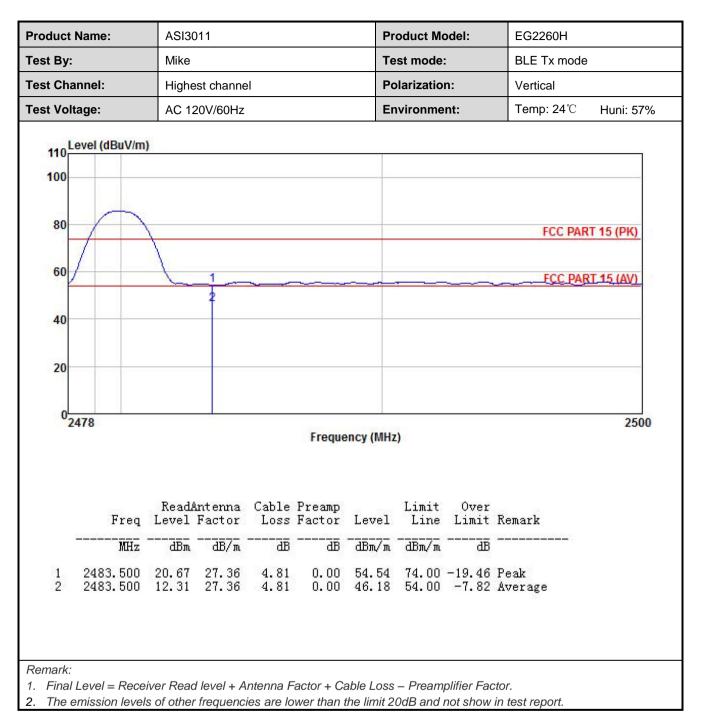


2. The emission levels of other frequencies are lower than the limit 20dB and not show in test report.

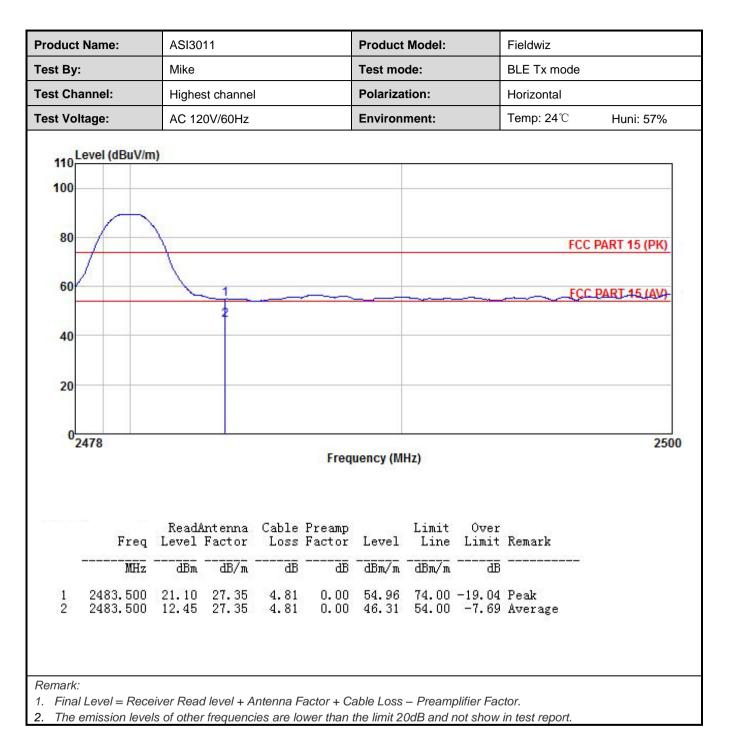














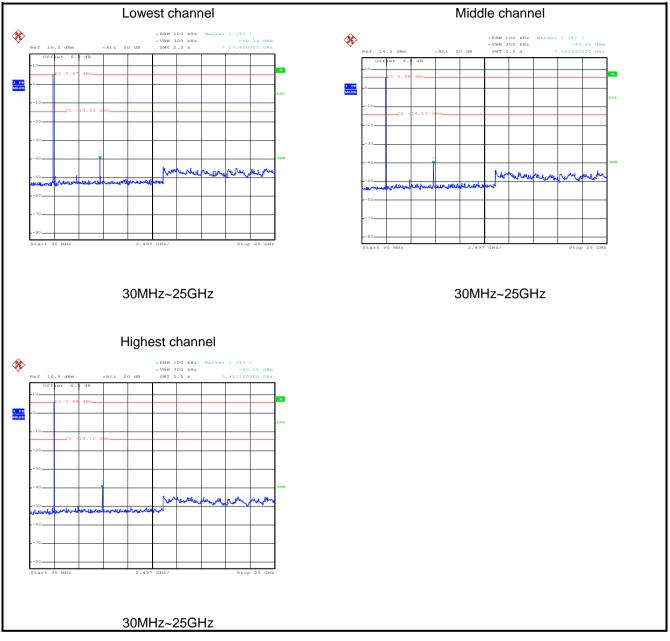
6.7 Spurious Emission

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						



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-pea	ak	120KHz	300	КНz	Quasi-peak Value		
		Peak		1MHz	ЗM	Hz	Peak Value		
	Above 1GHz	RMS		1MHz	ЗM	Hz	Average Value		
Limit:	Frequency	y	Lin	nit (dBuV/m @	23m)	Remark Quasi-peak Value			
	30MHz-88M	Hz		40.0					
	88MHz-216N	/Hz		43.5		G	Quasi-peak Value		
	216MHz-960			46.0			Quasi-peak Value		
	960MHz-1G	Hz		54.0		C	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 Anglier Controller
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):

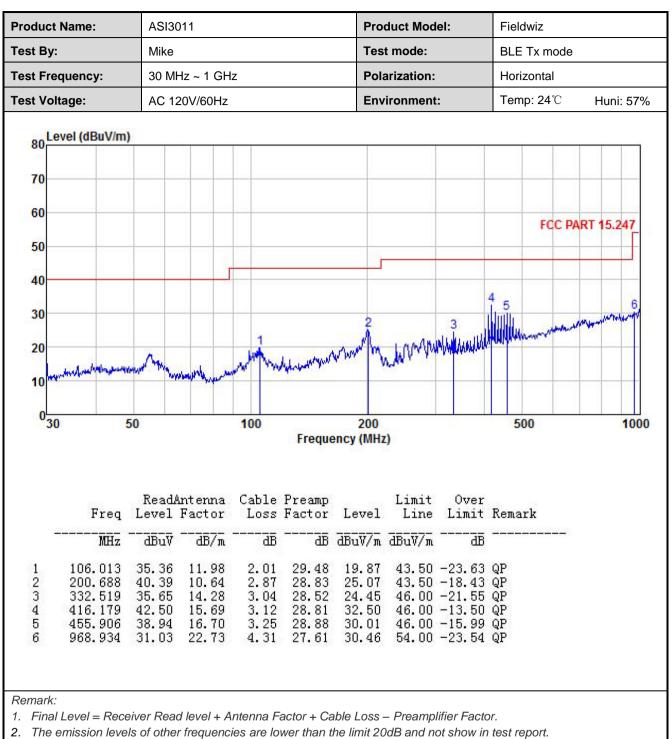
Below 1GHz:

oduct Name:	ASI3011	11 Product Model: Fieldwiz				z						
est By:	Mike			Test	mode:		BLE Tx mode					
est Frequency:	30 MHz ~ ^	30 MHz ~ 1 GHz Polarization: Vertical			Polarization:			Vertical			cal	
est Voltage:	AC 120V/6	60Hz		Envi	ronment:		Temp:	Huni: 579				
oo Level (dBuV/m)												
80												
70												
60							_					
50							F	CC PAR	T 15.247			
50												
40												
30	1	23		4	5	ulli	illu	1	where and a second			
20 man la mar	1.	M		A	white a	6 44444	WWW.progentur	Advantaria				
a wanter	A Marine A	where the	maderal	w w	WAY WAN							
10			-									
0 ¹ 30 50	C .	100	Law en la	200			500		1000			
			Frequer	icy (MHz)								
	Roadúnta	nna Cable	Presmo		Limit	Over						
Freq	Level Fac	tor Loss	Factor	Level		Limit	Remar	k				
MHz	dBuV d	B/mdB	dB	dBuV/m	dBuV/m	<u>ab</u>						
		.74 1.32				-15.02						
		.35 1.96 .98 2.01	29.48	26.41	43.50	-16.60 -17.09	QP					
3 106.013		64 9 97	28.83	24.49		-19.01						
3 106.013 4 200.688	39.81 10		28.45	20.00								
3 106.013 4 200.688 5 302.481	39.81 10 38.40 13	.64 2.81 .65 2.95 .69 3.12	28.45 28.81	26.55 30.91		-15.09	QP					
3 106.013 4 200.688 5 302.481	39.81 10 38.40 13	.65 2.95	28.45 28.81				QP					

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

				nannel: Low				
			De	tector: Peal	k Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	48.26	31.02	6.80	41.81	44.27	74.00	-29.73	Vertical
4804.00	49.62	31.02	6.80	41.81	45.63	74.00	-28.37	Horizontal
			Dete	ector: Avera	ge Value			T
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4804.00	40.25	31.02	6.80	41.81	36.26	54.00	-17.74	Vertical
4804.00	39.67	31.02	6.80	41.81	35.68	54.00	-18.32	Horizontal
				nannel: Mide				
		1		tector: Peak	k Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882.00	49.60	31.17	6.86	41.84	45.79	74.00	-28.21	Vertical
4882.00	50.12	31.17	6.86	41.84	46.31	74.00	-27.69	Horizontal
			Dete	ector: Avera	ge Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4882.00	39.60	31.17	6.86	41.84	35.79	54.00	-18.21	Vertical
4882.00	40.47	31.17	6.86	41.84	36.66	54.00	-17.34	Horizontal
				annel: High tector: Peal				
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	49.52	31.32	6.91	41.87	45.88	74.00	-28.12	Vertical
4960.00	50.75	31.32	6.91	41.87	47.11	74.00	-26.89	Horizontal
			Dete	ector: Avera	ge Value			
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	39.62	31.32	6.91	41.87	35.98	54.00	-18.02	Vertical
4960.00	40.37	31.32	6.91	41.87	36.73	54.00	-17.27	Horizontal
4960.00 Remark:	40.37	1	6.91	41.87	36.73	54.00		-

2. The emission levels of other frequencies are very lower than the limit and not show in test report.