

Global United Technology Services Co., Ltd.

Report No.: GTS16000406E01

FCC REPORT

Applicant: Autel Intelligent Tech. Corp., Ltd.

Address of Applicant: 6th - 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd., Xili,

Nanshan, Shenzhen, China

Equipment Under Test (EUT)

Product Name: Wireless Diagnostic Interface

Model No.: BTBOXMychip

Trade Mark: AUTEL

FCC ID: WQ82015BTDIAG

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.249:2014

Date of sample receipt: March 16, 2016

Date of Test: March 16-22, 2016

Date of report issued: March 23, 2016

Test Result: PASS *

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

Authorized Signature:

Robinson Lo 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 GTS 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	March 23, 2016	Original

Prepared By:	Sam. Gao	Date:	March 23, 2016
	Project Engineer		
Check By:	hank. yan	Date:	March 23, 2016
	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	N/A
Field strength of the fundamental signal	15.249 (a)	Pass
Spurious emissions	15.249 (a) (d)/15.209	Pass
Band edge	15.249 (d)/15.205	Pass
20dB Occupied Bandwidth	15.215 (c)	Pass

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

N/A: Not applicable

Remark: Test according to ANSI C63.10 2013 and ANSI C63.4: 2014

4.1 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes	
Radiated Emission	9kHz ~ 30MHz	± 4.34dB	(1)	
Radiated Emission	30MHz ~ 1000MHz	± 4.24dB	(1)	
Radiated Emission	1GHz ~ 26.5GHz	± 4.68dB	(1)	
AC Power Line Conducted Emission 0.15MHz ~ 30MHz ± 3.45dB				
Note (1): The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.				



5 General Information

5.1 Client Information

Applicant:	Autel Intelligent Tech. Corp., Ltd.
Address of Applicant:	6th - 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd., Xili, Nanshan, Shenzhen, China
Manufacturer/Factory:	Autel Intelligent Tech. Corp., Ltd.
Address of Manufacturer/ Factory:	6th - 10th Floor, Bldg. B1, Zhiyuan, Xueyuan Rd., Xili, Nanshan, Shenzhen, China

5.2 General Description of EUT

Product Name:	Wireless Diagnostic Interface	
Model No.:	BTBOXMychip	
Operation Frequency:	2402MHz~2480MHz	
Channel numbers:	79	
Channel separation:	1MHz	
Modulation type:	GFSK, Pi/4QPSK, 8DPSK	
Antenna Type:	Ceramic Antenna	
Antenna gain:	0.5dBi (declare by Applicant)	
Power supply:	DC 12V 300mA	



Operation	Operation Frequency each of channel						
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402MHz	21	2422MHz	41	2442MHz	61	2462MHz
2	2403MHz	22	2423MHz	42	2443MHz	62	2463MHz
19	2420MHz	39	2440MHz	59	2460MHz	79	2480MHz
20	2421MHz	40	2441MHz	60	2461MHz		

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, and the selected channel see below:

Channel	Frequency
The lowest channel	2402MHz
The middle channel	2441MHz
The Highest channel	2480MHz



5.3 Test 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.

Per-test mode.

We have verified the construction and function in typical operation, The EUT was placed on three different polar directions; i.e. X axis, Y axis, Z axis. which was shown in this test report and defined as follows:

Axis	Х	Y	Z	
Field Strength(dBuV/m)	95.77	96.85	94.59	

Final Test Mode:

The EUT was tested in GFSK, π /4QPSK, 8DPSK modulation, and found the GFSK modulation is the worst case.

According to ANSI C63.10 standards, the test results are both the "worst case" and "worst setup":

Y axis (see the test setup photo)

5.4 Description of Support Units

Manufacturer Description		Model	Serial Number	FCC ID/VoC/DoC
Autel	ECU	N/A	N/A	VoC
GS	Supreme maintenance Free	S5D26R-MFZ	9442804454	VoC

5.5 Test Facility

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

• FCC —Registration No.: 600491

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fuly described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Registration 600491, June 28, 2013.

• Industry Canada (IC) —Registration No.: 9079A-2

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-2, June 26, 2013.

5.6 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address:No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480 Fax: 0755-27798960

5.7 Other Information Requested by the Customer

None.

Global United Technology Services Co., Ltd.

No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrrial Zone,

Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



6 Test Instruments list

Radi	iated Emission:					
Item	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	9.0(L)*6.0(W)* 6.0(H)	GTS250	July. 03 2015	July. 02 2020
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	Spectrum Analyzer	Agilent	E4440A	GTS533	Jun. 30 2015	Jun. 29 2016
4	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	Jun. 30 2015	Jun. 29 2016
5	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	Jun. 30 2015	Jun. 29 2016
6	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	Jun. 26 2015	Jun. 25 2016
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 27 2015	Mar. 26 2016
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
9	Coaxial Cable	GTS	N/A	GTS213	Mar. 28 2015	Mar. 27 2016
10	Coaxial Cable	GTS	N/A	GTS211	Mar. 28 2015	Mar. 27 2016
11	Coaxial cable	GTS	N/A	GTS210	Mar. 28 2015	Mar. 27 2016
12	Coaxial Cable	GTS	N/A	GTS212	Mar. 28 2015	Mar. 27 2016
13	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	Jun. 30 2015	Jun. 29 2016
14	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	Jun. 30 2015	Jun. 29 2016
15	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	Jun. 26 2015	Jun. 25 2016
16	Band filter	Amindeon	82346	GTS219	Mar. 28 2015	Mar. 27 2016

Gen	General used equipment:										
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)					
1	Barometer	ChangChun	DYM3	GTS257	July 07 2015	July 06 2016					



7 Test results and Measurement Data

7.1 Antenna requirement

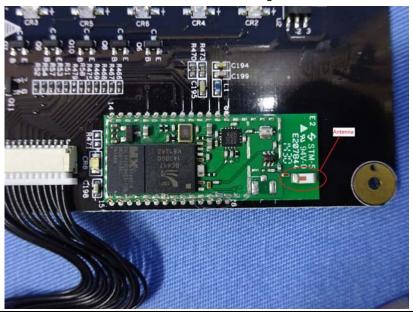
Standard requirement: FCC Part15 C Section 15.203

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.

EUT Antenna:

The antenna is ceramic antenna, the best case gain of the antenna is 0.5dBi





7.2 Radiated Emission Method

1.2 Radiated Ellission W	z Radiated Ellission Method						
Test Requirement:	FCC Part15 C Section 15.209						
Test Method:	ANSI C63.10:20	013					
Test Frequency Range:	30MHz to 25GH	Ηz					
Test site:	Measurement D	Distance: 3m					
Receiver setup:	Frequency	Detector	RBW	VBW	Remark		
	30MHz- 1GHz	Quasi-peal	k 120KHz	300KHz	Quasi-peak Value		
	Above 1GHz	Peak	1MHz	3MHz	Peak Value		
	Above IGHZ	Peak	1MHz	10Hz	Average Value		
Limit:	Freque	ency	Limit (dBuV	/m @3m)	Remark		
(Field strength of the	2400MHz-24	183 5MHz	94.0		Average Value		
fundamental signal)			114.	00	Peak Value		
Limit:	Freque	ency	Limit (dBuV	/m @3m)	Remark		
(Spurious Emissions)	30MHz-8		40.0		Quasi-peak Value		
,	88MHz-2		43.50		Quasi-peak Value		
	216MHz-960MHz 960MHz-1GHz		46.0		Quasi-peak Value		
	96010172-	- IGHZ	54.0 54.0		Quasi-peak Value Average Value		
	Above 1	Above 1GHz		00	Peak Value		
Limit: (band edge)	harmonics, sha	II be attenuate to the genera	ed by at least al radiated em	50 dB belov	bands, except for w the level of the in Section 15.209,		
Test setup:	EUT	4m 4m 0.8m 1m		Anten Sea Ante			



	Report No.: GTS16000406E01
	Antenna Tower Horn Antenna Turn Table V In A Amplifier
Test Procedure:	 The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for 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. 3. 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.
	4. 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.
	6. If the emission level of the EUT in peak mode was 10dB 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 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement data:



7.2.1 Field Strength of The Fundamental Signal

Peak 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
2402.00	92.61	27.58	5.39	30.18	95.40	114.00	-18.60	Vertical
2402.00	89.93	27.58	5.39	30.18	92.72	114.00	-21.28	Horizontal
2441.00	90.87	27.55	5.43	30.06	93.79	114.00	-20.21	Vertical
2441.00	88.91	27.55	5.43	30.06	91.83	114.00	-22.17	Horizontal
2480.00	93.79	27.52	5.47	29.93	96.85	114.00	-17.15	Vertical
2480.00	90.55	27.52	5.47	29.93	93.61	114.00	-20.39	Horizontal

Average 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
2402.00	81.86	27.58	5.39	30.18	84.65	94.00	-9.35	Vertical
2402.00	79.21	27.58	5.39	30.18	82.00	94.00	-12.00	Horizontal
2441.00	79.93	27.55	5.43	30.06	82.85	94.00	-11.15	Vertical
2441.00	76.98	27.55	5.43	30.06	79.90	94.00	-14.10	Horizontal
2480.00	83.20	27.52	5.47	29.93	86.26	94.00	-7.74	Vertical
2480.00	79.83	27.52	5.47	29.93	82.89	94.00	-11.11	Horizontal

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7.2.2 Spurious emissions

■ Below 1GHz

- BCIOW I	O							
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
43.05	28.72	15.56	0.70	30.03	14.95	40.00	-25.05	Vertical
96.10	26.47	14.90	1.16	29.72	12.81	43.50	-30.69	Vertical
186.44	32.46	12.24	1.77	29.25	17.22	43.50	-26.28	Vertical
315.48	25.78	15.28	2.44	29.91	13.59	46.00	-32.41	Vertical
432.55	33.61	17.53	3.01	29.43	24.72	46.00	-21.28	Vertical
616.37	25.45	20.52	3.79	29.28	20.48	46.00	-25.52	Vertical
43.20	32.87	15.56	0.70	30.03	19.10	40.00	-20.90	Horizontal
74.92	34.11	9.80	0.98	29.83	15.06	40.00	-24.94	Horizontal
185.14	40.84	12.16	1.77	29.25	25.52	43.50	-17.98	Horizontal
360.45	33.63	16.43	2.67	29.69	23.04	46.00	-22.96	Horizontal
601.43	32.62	20.46	3.73	29.30	27.51	46.00	-18.49	Horizontal
897.00	31.84	23.05	4.83	29.10	30.62	46.00	-15.38	Horizontal



Above 1GHz

Test channel:	Lowest channel
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Peak 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	35.79	31.78	8.60	32.09	44.08	74.00	-29.92	Vertical
7206.00	30.83	36.15	11.65	32.00	46.63	74.00	-27.37	Vertical
9608.00	30.58	37.95	14.14	31.62	51.05	74.00	-22.95	Vertical
12010.00	*					74.00		Vertical
14412.00	*					74.00		Vertical
4804.00	39.77	31.78	8.60	32.09	48.06	74.00	-25.94	Horizontal
7206.00	32.45	36.15	11.65	32.00	48.25	74.00	-25.75	Horizontal
9608.00	29.86	37.95	14.14	31.62	50.33	74.00	-23.67	Horizontal
12010.00	*					74.00		Horizontal
14412.00	*					74.00		Horizontal

Average 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	24.89	31.78	8.60	32.09	33.18	54.00	-20.82	Vertical
7206.00	19.68	36.15	11.65	32.00	35.48	54.00	-18.52	Vertical
9608.00	18.86	37.95	14.14	31.62	39.33	54.00	-14.67	Vertical
12010.00	*					54.00		Vertical
14412.00	*					54.00		Vertical
4804.00	28.95	31.78	8.60	32.09	37.24	54.00	-16.76	Horizontal
7206.00	21.76	36.15	11.65	32.00	37.56	54.00	-16.44	Horizontal
9608.00	18.46	37.95	14.14	31.62	38.93	54.00	-15.07	Horizontal
12010.00	*					54.00		Horizontal
14412.00	*					54.00		Horizontal

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. "*", means this data is the too weak instrument of signal is unable to test.



est channel:	Middle channel
--------------	----------------

Peak 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	35.54	31.85	8.67	32.12	43.94	74.00	-30.06	Vertical
7323.00	30.66	36.37	11.72	31.89	46.86	74.00	-27.14	Vertical
9764.00	30.43	38.35	14.25	31.62	51.41	74.00	-22.59	Vertical
12205.00	*					74.00		Vertical
14646.00	*					74.00		Vertical
4882.00	39.47	31.85	8.67	32.12	47.87	74.00	-26.13	Horizontal
7323.00	32.26	36.37	11.72	31.89	48.46	74.00	-25.54	Horizontal
9764.00	29.68	38.35	14.25	31.62	50.66	74.00	-23.34	Horizontal
12205.00	*					74.00		Horizontal
14646.00	*					74.00		Horizontal

Average 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	24.69	31.85	8.67	32.12	33.09	54.00	-20.91	Vertical
7323.00	19.55	36.37	11.72	31.89	35.75	54.00	-18.25	Vertical
9764.00	18.74	38.35	14.25	31.62	39.72	54.00	-14.28	Vertical
12205.00	*					54.00		Vertical
14646.00	*					54.00		Vertical
4882.00	28.73	31.85	8.67	32.12	37.13	54.00	-16.87	Horizontal
7323.00	21.61	36.37	11.72	31.89	37.81	54.00	-16.19	Horizontal
9764.00	18.32	38.35	14.25	31.62	39.30	54.00	-14.70	Horizontal
12205.00	*					54.00		Horizontal
14646.00	*					54.00		Horizontal

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. "*", means this data is the too weak instrument of signal is unable to test.



Test channel: Highest channel

Peak 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	36.15	31.93	8.73	32.16	44.65	74.00	-29.35	Vertical
7440.00	31.06	36.59	11.79	31.78	47.66	74.00	-26.34	Vertical
9920.00	30.79	38.81	14.38	31.88	52.10	74.00	-21.90	Vertical
12400.00	*					74.00		Vertical
14880.00	*					74.00		Vertical
4960.00	40.20	31.93	8.73	32.16	48.70	74.00	-25.30	Horizontal
7440.00	32.72	36.59	11.79	31.78	49.32	74.00	-24.68	Horizontal
9920.00	30.10	38.81	14.38	31.88	51.41	74.00	-22.59	Horizontal
12400.00	*					74.00		Horizontal
14880.00	*					74.00		Horizontal

Average 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	25.23	31.93	8.73	32.16	33.73	54.00	-20.27	Vertical
7440.00	19.92	36.59	11.79	31.78	36.52	54.00	-17.48	Vertical
9920.00	19.06	38.81	14.38	31.88	40.37	54.00	-13.63	Vertical
12400.00	*					54.00		Vertical
14880.00	*					54.00		Vertical
4960.00	29.34	31.93	8.73	32.16	37.84	54.00	-16.16	Horizontal
7440.00	22.02	36.59	11.79	31.78	38.62	54.00	-15.38	Horizontal
9920.00	18.70	38.81	14.38	31.88	40.01	54.00	-13.99	Horizontal
12400.00	*					54.00		Horizontal
14880.00	*					54.00		Horizontal

Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. "*", means this data is the too weak instrument of signal is unable to test.



7.2.3 Bandedge emissions

All of the restriction bands were tested, and only the data of worst case was exhibited.

Test channel:	Lowest channel

Peak 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
2390.00	44.43	27.59	5.38	30.18	47.22	74.00	-26.78	Horizontal
2400.00	61.44	27.58	5.39	30.18	64.23	74.00	-9.77	Horizontal
2390.00	45.12	27.59	5.38	30.18	47.91	74.00	-26.09	Vertical
2400.00	63.64	27.58	5.39	30.18	66.43	74.00	-7.57	Vertical

Average 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
2390.00	34.63	27.59	5.38	30.18	37.42	54.00	-16.58	Horizontal
2400.00	45.96	27.58	5.39	30.18	48.75	54.00	-5.25	Horizontal
2390.00	34.68	27.59	5.38	30.18	37.47	54.00	-16.53	Vertical
2400.00	47.75	27.58	5.39	30.18	50.54	54.00	-3.46	Vertical

- 1		
	Test channel:	Highest channel

Peak 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
2483.50	46.72	27.53	5.47	29.93	49.79	74.00	-24.21	Horizontal
2500.00	45.59	27.55	5.49	29.93	48.70	74.00	-25.30	Horizontal
2483.50	47.82	27.53	5.47	29.93	50.89	74.00	-23.11	Vertical
2500.00	46.74	27.55	5.49	29.93	49.85	74.00	-24.15	Vertical

Average 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
2483.50	37.47	27.53	5.47	29.93	40.54	54.00	-13.46	Horizontal
2500.00	35.25	27.55	5.49	29.93	38.36	54.00	-15.64	Horizontal
2483.50	38.81	27.53	5.47	29.93	41.88	54.00	-12.12	Vertical
2500.00	35.30	27.55	5.49	29.93	38.41	54.00	-15.59	Vertical

Remark:

^{1.} Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor



7.3 20dB Occupy Bandwidth

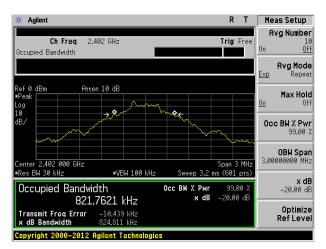
Test Requirement:	FCC Part15 C Section 15.249/15.215
Test Method:	ANSI C63.10:2013
Limit:	Operation Frequency range 2400MHz~2483.5MHz
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data

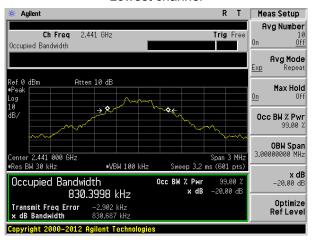
Test channel	20dB bandwidth(MHz)	Result
Lowest	0.825	Pass
Middle	0.831	Pass
Highest	0.828	Pass

Test plot as follows:

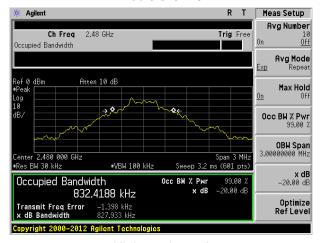




Lowest channel



Middle channel



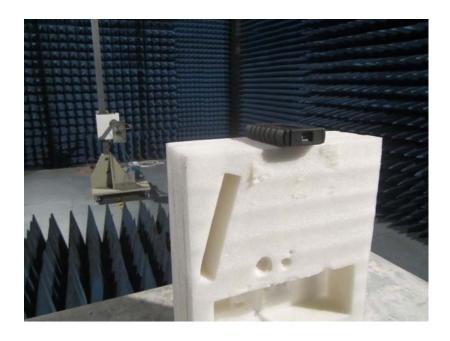
Highest channel



8 Test Setup Photo

Radiated Emission







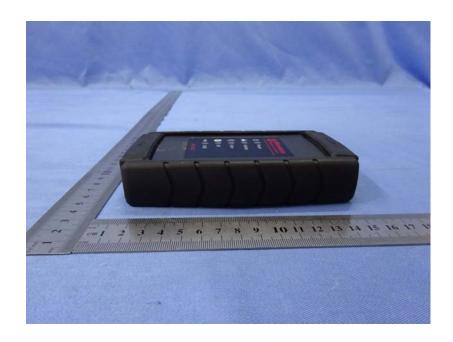
9 EUT Constructional Details









































----- End -----