

FCC TEST REPORT

FCC ID : Y3VWTRS-00
Applicant : Legend Lifestyle Products Corp.
Address : 9th Fl., No298, Rueiguang Rd., Neihu, Taipei, Taiwan

Equipment Under Test (EUT) :

Product Name : Scale
Model No. : WTRS-00

Standards : FCC CFR47 Part 15 Section 15.249:2010

Date of Test : June 28 ~ July 19, 2012

Date of Issue : July 23, 2012

Test Engineer : Zero Zhou / Engineer



Reviewed By : Philo zhong / Manager



Test Result	: PASS
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Prepared By:

Waltek Services (Shenzhen) Co., Ltd.

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- ✧ The sample detailed above has been tested to the requirements of Council Directives ANSI C63.4:2003. The test results have been reviewed against the Directives above and found to meet their essential requirements.

2 Test Summary

Test Items	Test Requirement	Result
Radiated Emissions (16MHz to 25GHz)	15.209 15.249	PASS
Conducted Emission (150KHz to 30MHz)	15.207 15.249	N/A
20dB Bandwidth	15.249	PASS
Restricted Band	15.249 15.209	PASS

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The results shown in this test report refer only to the sample(s) tested , This Test report cannot be reproduced, except in full, without prior written permission of the Company.

4 General Information

4.1 Client Information

Applicant : Legend Lifestyle Products Corp.
Address of Applicant : 9th Fl., No298, Rueiguang Rd., Neihu, Taipei, Taiwan

Manufacturer : Zhuhai Cybertech Ventures Inc.
Address of Manufacturer : #6, Jing Heng 2th, RD Taiwan Industrial Yard, Tangjia Town,
Zhuhai, Guangdong, China

4.2 General Description of E.U.T.

Product Name : Scale
Model No. : WTRS-00

4.3 Details of E.U.T.

Technical Data : DC6V (4*size AAA 1.5V Battery)
Operation Frequency : 2402MHz ~ 2463.5MHz
Antenna Gain : 0 dBi

4.4 Description of Support Units

The EUT has been tested as an independent unit.

4.5 Standards Applicable for Testing

The customer requested FCC tests for a Scale. The rules used were FCC CFR47 Part 15 Section 15.203, Section 15.207, Section 15.209 and Section 15.249.

4.6 Test Facility

The test facility has a test site registered with the following organizations:

- **IC – Registration No.: IC7760A**

Waltek Services(Shenzhen) Co., Ltd. has been registered and fully described in a report filed with the Industry Canada. The acceptance letter from the Industry Canada is maintained in our files. Registration 7760A, July 10, 2012.

- **FCC – Registration No.: 880581**

Waltek Services(Shenzhen) Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 880581, May 26, 2011.

4.7 Test Location

All the tests were performed at:

Waltek Services(Shenzhen) Co., Ltd. at 1/F, Fukangtai Building, West Baima Rd., Songgang Street, Baoan District, Shenzhen, China

5 Equipment Used during Test

Equipment Name	Manufacturer Model	Equipment No	Internal No	Specification	Cal. Date	Due Date	Uncertainty
EMC Analyzer	Agilent/ E7405A	MY45114943	W2008001	9k-26.5GHz	Aug. 2, 2011	Aug. 1, 2012	±1dB
Trilog Broadband Antenne	SCHWARZB ECK MESS- ELEKTROM / VULB9163	336	W2008002	30-3000 MHz	Aug. 2, 2011	Aug. 1, 2012	±1dB
Broad-band Horn Antenna	SCHWARZB ECK MESS- ELEKTROM / BBHA 9120D(1201)	667	W2008003	1-18GHz	Aug. 2, 2011	Aug. 1, 2012	f < 10 GHz : ±1dB 10GHz < f < 18 GHz : ±1.5dB
Broadband Preamplifier	SCHWARZB ECK MESS- ELEKTROM / BBV 9718	9718-148	W2008004	0.5-18GHz	Aug. 2, 2011	Aug. 1, 2012	±1.2dB
Broad-band Horn Antenna	SCHWARZB ECK MESS- ELEKTROM / BBHA 9170	399	W2008005	15-26.5GHz	Aug. 2, 2011	Aug. 1, 2012	±1.5dB
Broadband Preamplifier	SCHWARZB ECK MESS- ELEKTROM / BBV 9719	9719-254	W2008006	18-26.5GHz	Aug. 2, 2011	Aug. 1, 2012	±1.2dB
10m Coaxial Cable with N-male Connectors	SCHWARZB ECK MESS- ELEKTROM / AK 9515 H	-	-	-	Aug. 2, 2011	Aug. 1, 2012	-
10m 50 Ohm Coaxial Cable	SCHWARZB ECK MESS- ELEKTROM / AK 9513	-	-	-	Aug. 2, 2011	Aug. 1, 2012	-
Positioning Controller	C&C LAB/ CC-C-IF	-	-	-	Aug. 2, 2011	Aug. 1, 2012	-
Color Monitor	SUNSP0/ SP-14C	-	-	-	Aug. 2, 2011	Aug. 1, 2012	-
Test Receiver		101155	W2005001	9k-3GHz	Aug. 2, 2011	Aug. 1, 2012	±1dB

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Legend Lifestyle Products Corp.

FCC ID: Y3VWTRS-00

Equipment Name	Manufacturer Model	Equipment No	Internal No	Specification	Cal. Date	Due Date	Uncertainty
	ROHDE&SC HWAZ/ ESPI						
Two-Line V- Network	ROHDE&SC HWAZ/ ENV216	100115	W2005002	50Ω/50μH	Aug. 2, 2011	Aug. 1, 2012	±10%
RF Generator	TESEQ GmbH/ NSG4070	25781	W2008008	Fraq-range : 9K-1GHz RF voltage : - 60 dBm- +10dBm	Aug. 2, 2011	Aug. 1, 2012	Power_freq distinguish0. 1Hz RFelectricity distinguish 0.1B
Active Loop Antenna	Beijing Dazhi / ZN30900A	-	-	-	Aug. 2, 2011	Aug. 1, 2012	±1dB
AC Power Supply	TONGYUN/ DTDGC-4	-	-	-	Aug. 2, 2011	Aug. 1, 2012	-

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Reference No.: WT12064328-D-S-F

6 Conducted Emission

Test Requirement:	FCC CFR 47 Part 15 Section 15.207
Test Method:	ANSI C63.4:2003
Test Result:	PASS
Frequency Range:	150kHz to 30MHz
Class:	Class B
Limit:	66-56 dB μ V between 0.15MHz & 0.5MHz 56 dB μ V between 0.5MHz & 5MHz 60 dB μ V between 5MHz & 30MHz
Detector:	Peak for pre-scan (9kHz Resolution Bandwidth) Quasi-Peak & Average if maximised peak within 6dB of Average Limit

6.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C
Humidity: 51 % RH
Atmospheric Pressure: 1012 mbar

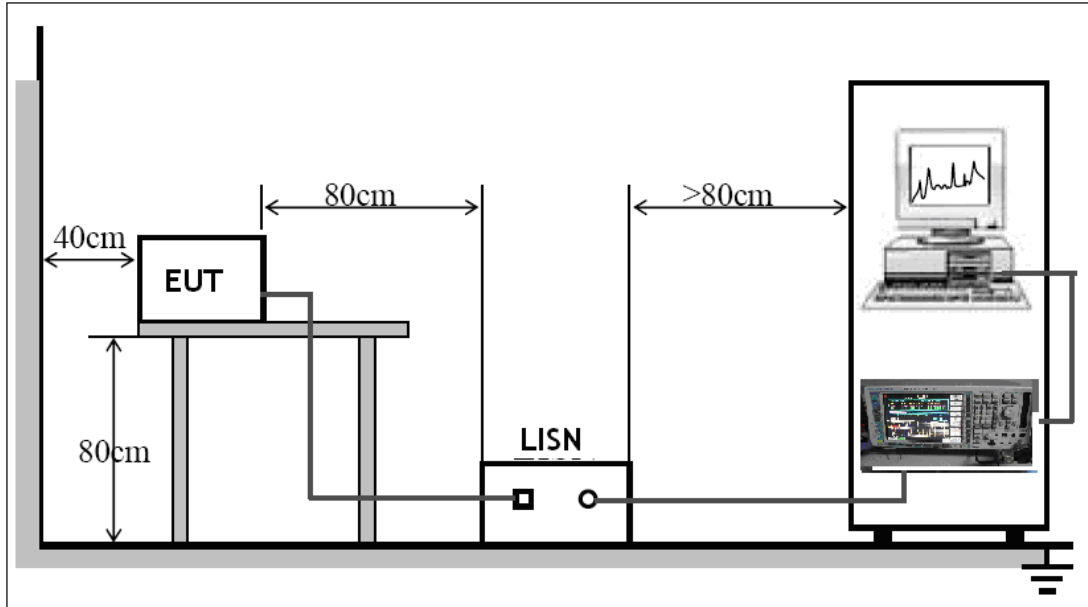
EUT Operation:

The EUT was tested according to ANSI C63.4:2003. The frequency spectrum from 150kHz to 30MHz was investigated.

The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

6.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.4:2003, The specification used in this report was the FCC Part15.207 limits.



The EUT was placed on the test table in shielding room

6.3 Conducted Emission Test Result

Note: Owing to the battery powered of EUT, this test was not performed.

7 Radiated Emissions

Test Requirement: FCC CFR47 Part 15 Section 15.209 & 15.249
 Test Method: ANSI 63.4:2003
 Test Result: PASS
 Frequency Range: 16MHz to 25GHz
 Measurement Distance: 3m
 15.209 Limit:
 40.0 dBuV/m between 30MHz & 88MHz
 43.5 dBuV/m between 88MHz & 216MHz
 46.0 dBuV/m between 216MHz & 960MHz
 54.0 dBuV/m above 960MHz

15.249 (d) Limit:

Fundamental Frequency	Field Strength of Fundamental		Field Strength of Harmonics	
	mV/m	dBuV/m	uV/m	dBuV/m
902-928MHz	50	94	500	54
2400-2483.5 MHz	50	94	500	54
5725-5875 MHz	50	94	500	54
24.0-24.25GHz	250	108	2500	68

Note: (1) $RF\ Voltage(dBuV) = 20 \log RF\ Voltage(uV)$

- (2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- (3) The emission limit in this paragraph is based on measurement instrumentation employing an average detector. Measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
- (4) Above 1GHz, do a Peak and average measurements for all emissions, Limit for peak is 74dBuV/m, According to Part 15.35(b) and average is 54BuV/m.

7.1 EUT Operation :**Operating Environment:**

Temperature: 25.5 °C
Humidity: 51 % RH
Atmospheric Pressure: 1012 mbar

7.2 Measurement Uncertainty

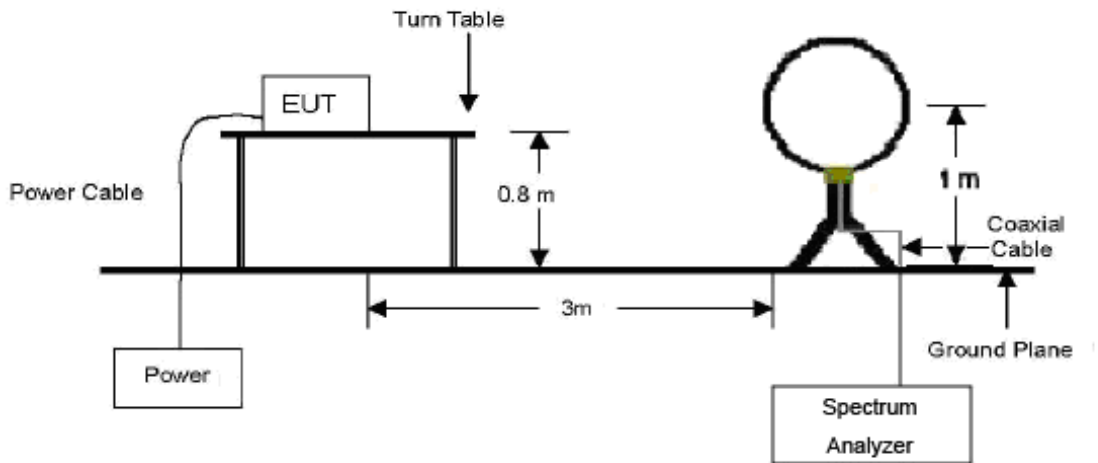
All measurements involve certain levels of uncertainties, especially in the field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement at Waltek EMC Lab is $\pm 5.03\text{dB}$.

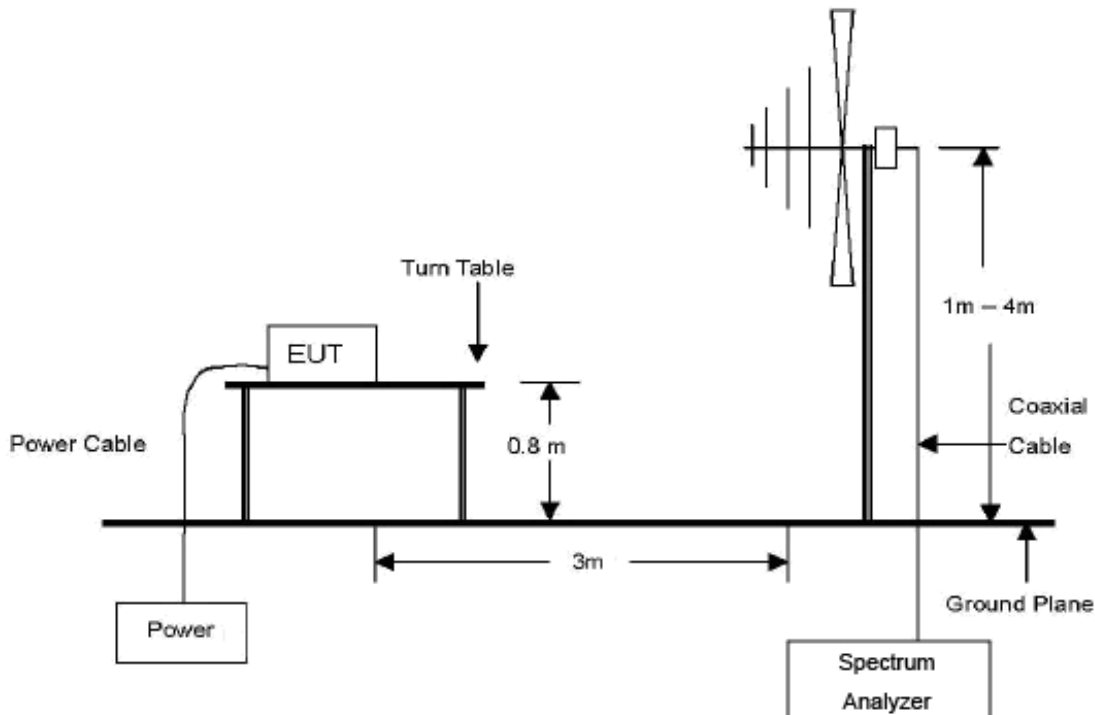
7.3 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.4:2003.

The diagram below shows the test setup that is utilized to make the measurements for emission from 16 MHz to 30 MHz Emissions.



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 MHz to 1 GHz Emissions.

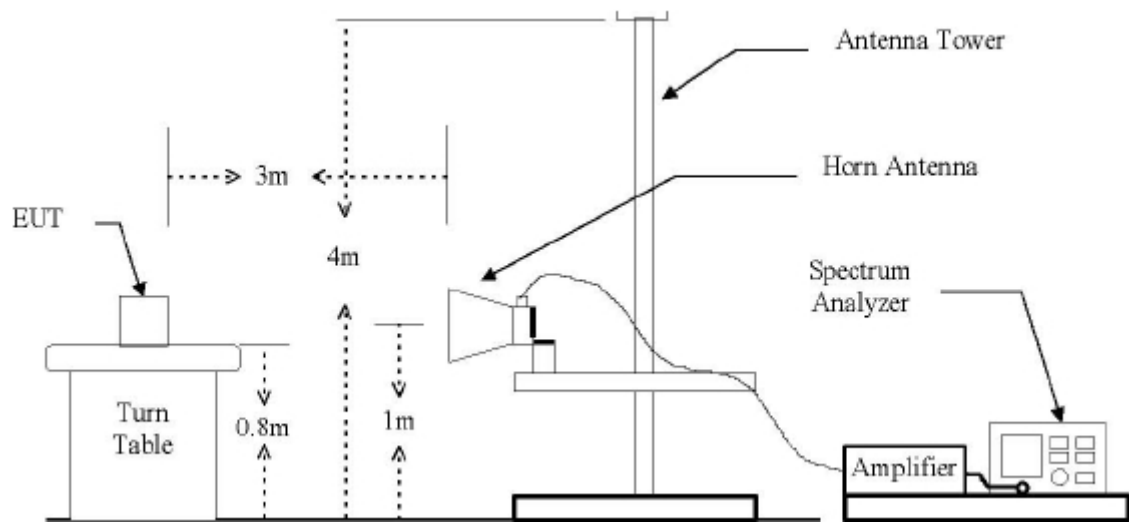


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WALTEK SERVICES

Reference No.: WT12064328-D-S-F

The diagram below shows the test setup that is utilized to make the measurements for emission from 1 GHz to 25 GHz Emissions.



7.4 Spectrum Analyzer Setup

According to FCC Part15 Rules, the system was tested 16MHz to 25000MHz.

16MHz ~ 30MHz

Start Frequency	16MHz
Stop Frequency	30MHz
Sweep Speed.....	Auto
IF Bandwidth.....	10KHz
Video Bandwidth.....	10KHz
Resolution Bandwidth.....	10KHz

30MHz ~ 1GHz

Start Frequency	30 MHz
Stop Frequency	1000MHz
Sweep Speed.....	Auto
IF Bandwidth.....	120 KHz
Video Bandwidth.....	100KHz
Quasi-Peak Adapter Bandwidth	120 KHz
Quasi-Peak Adapter Mode	Normal
Resolution Bandwidth	100KHz

Above 1GHz

Start Frequency	1000 MHz
Stop Frequency	25000MHz
Sweep Speed.....	Auto
IF Bandwidth.....	120 KHz
Video Bandwidth.....	3MHz
Quasi-Peak Adapter Bandwidth	120 KHz
Quasi-Peak Adapter Mode	Normal
Resolution Bandwidth	1MHz

7.5 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Repeat above procedures until the measurements for all frequencies are complete.
7. The radiation measurements are performed in X(normal uses) axis positioning. And all the modes was tested in the report. Only the worst case is shown in the report.

7.6 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

$$\text{Corr. Ampl.} = \text{Indicated Reading} + \text{Antenna Factor} + \text{Cable Factor} - \text{Amplifier Gain}$$

The “**Margin**” column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the maximum limit for Class B. The equation for margin calculation is as follows:

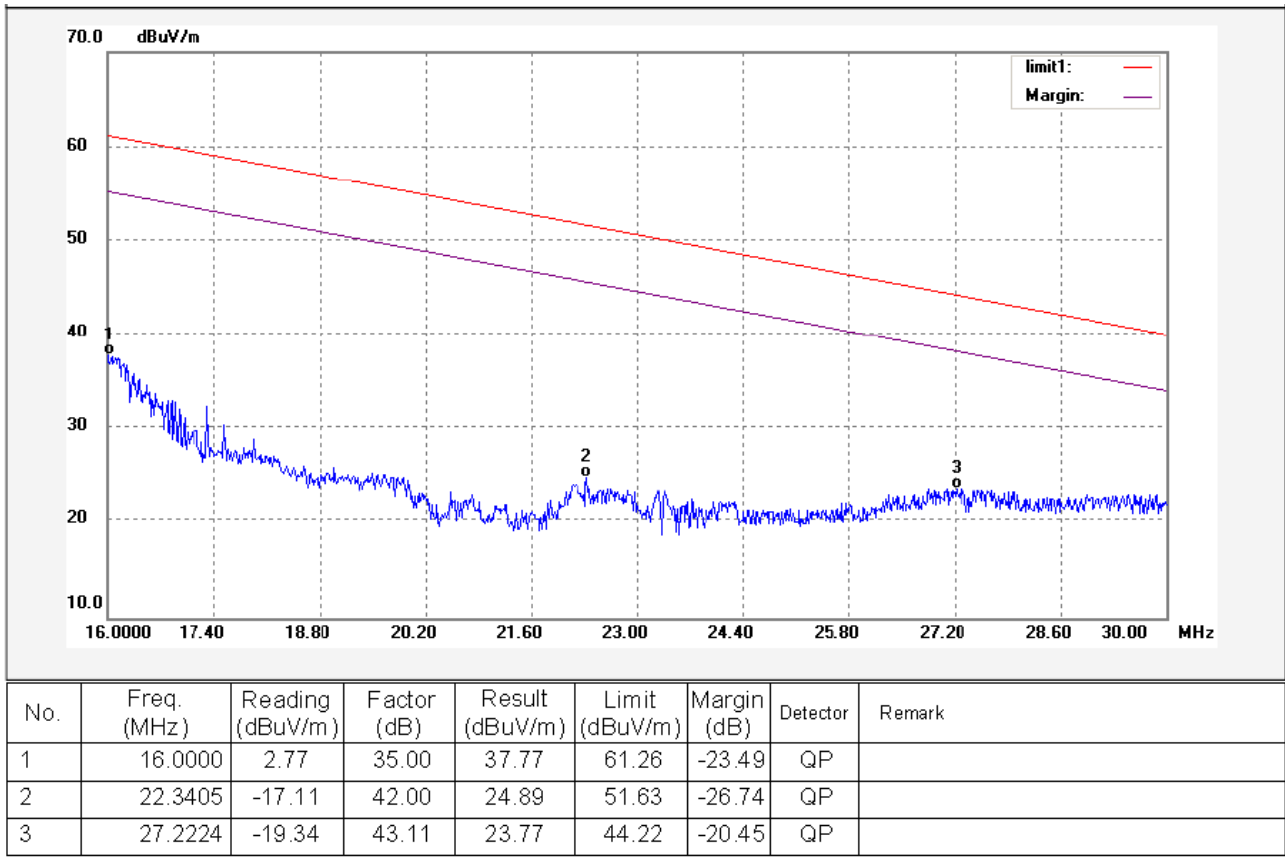
$$\text{Margin} = \text{Corr. Ampl.} - \text{Limit}$$

7.7 Summary of Test Results

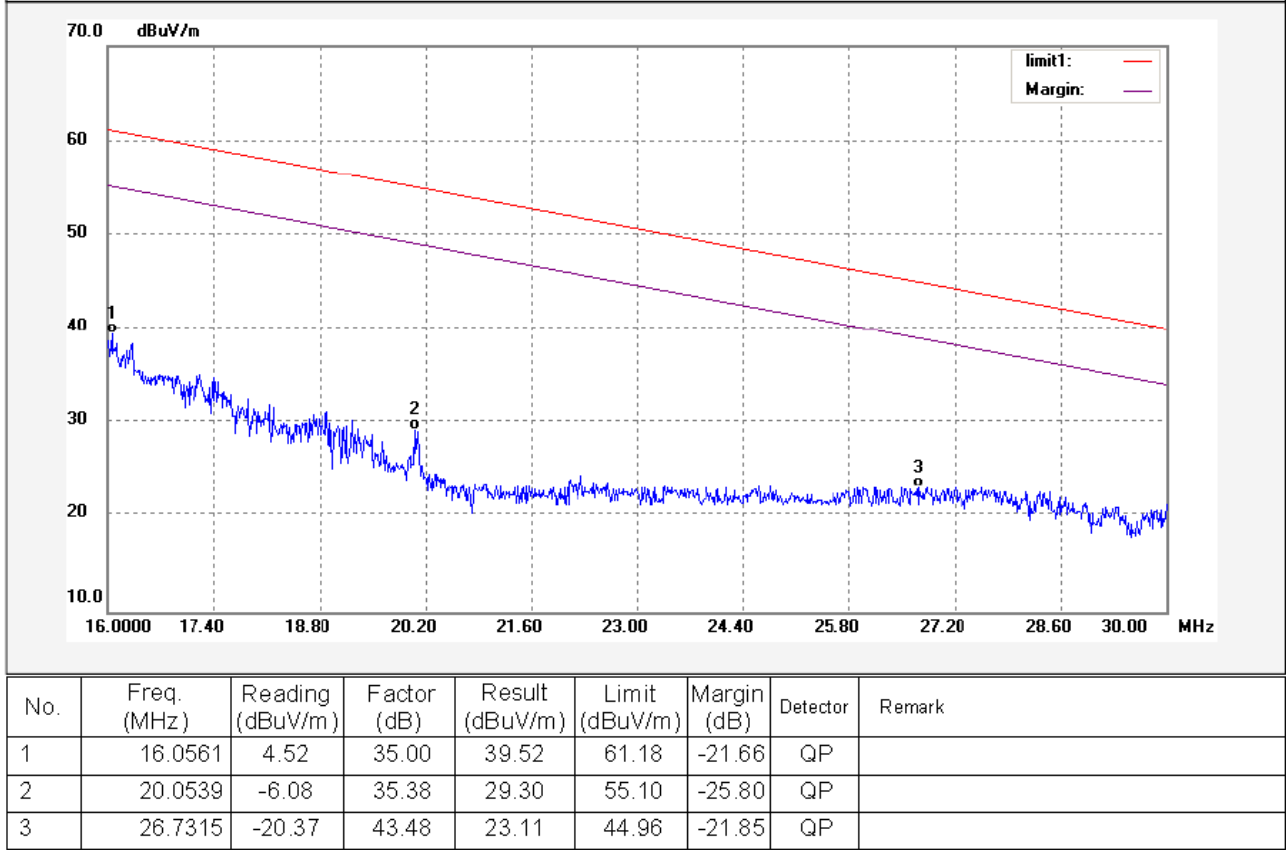
According to the data in this section, the EUT complied with the FCC CFR47 Part 15 Section 15.209 & 15.249 standards.

Test Frequency : 16MHz ~ 30MHz

Antenna polarization: Vertical

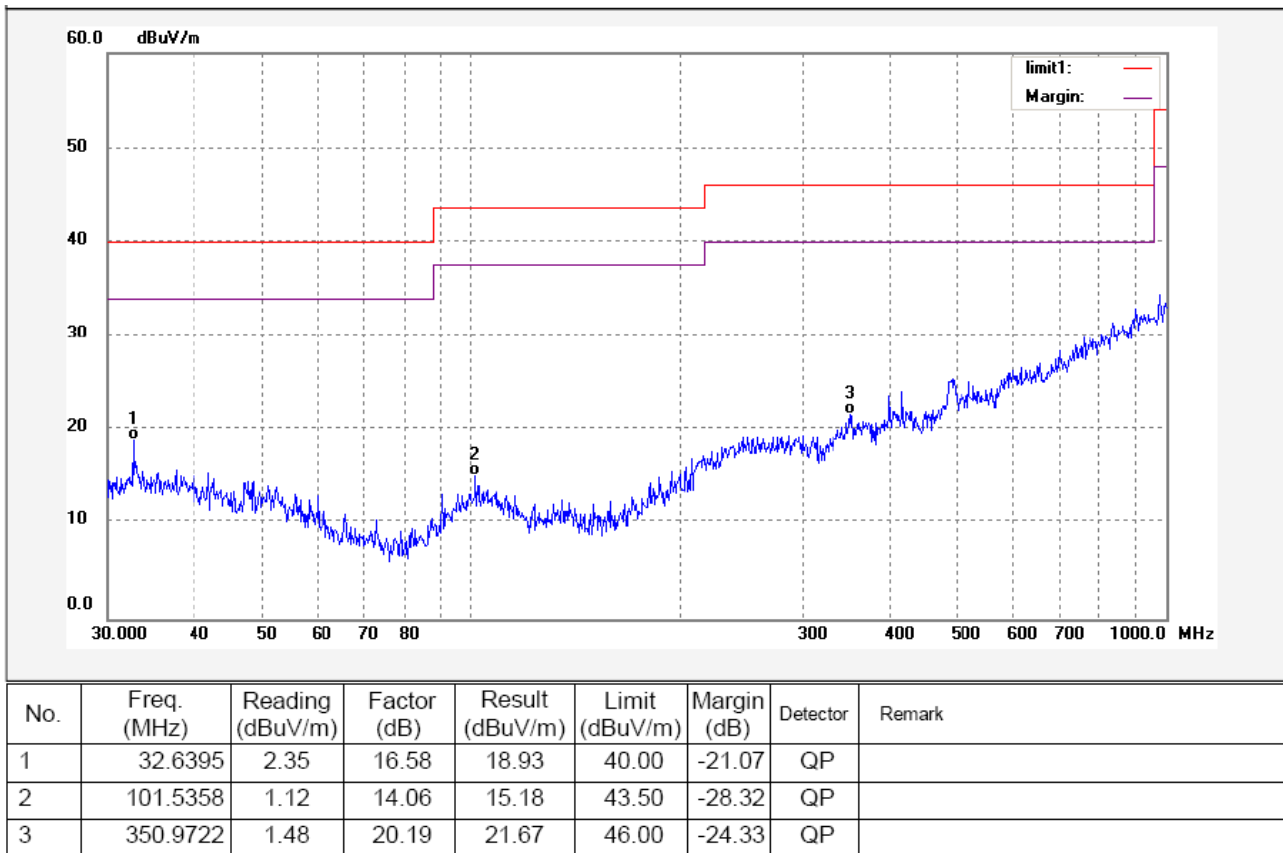


Antenna polarization: Horizontal



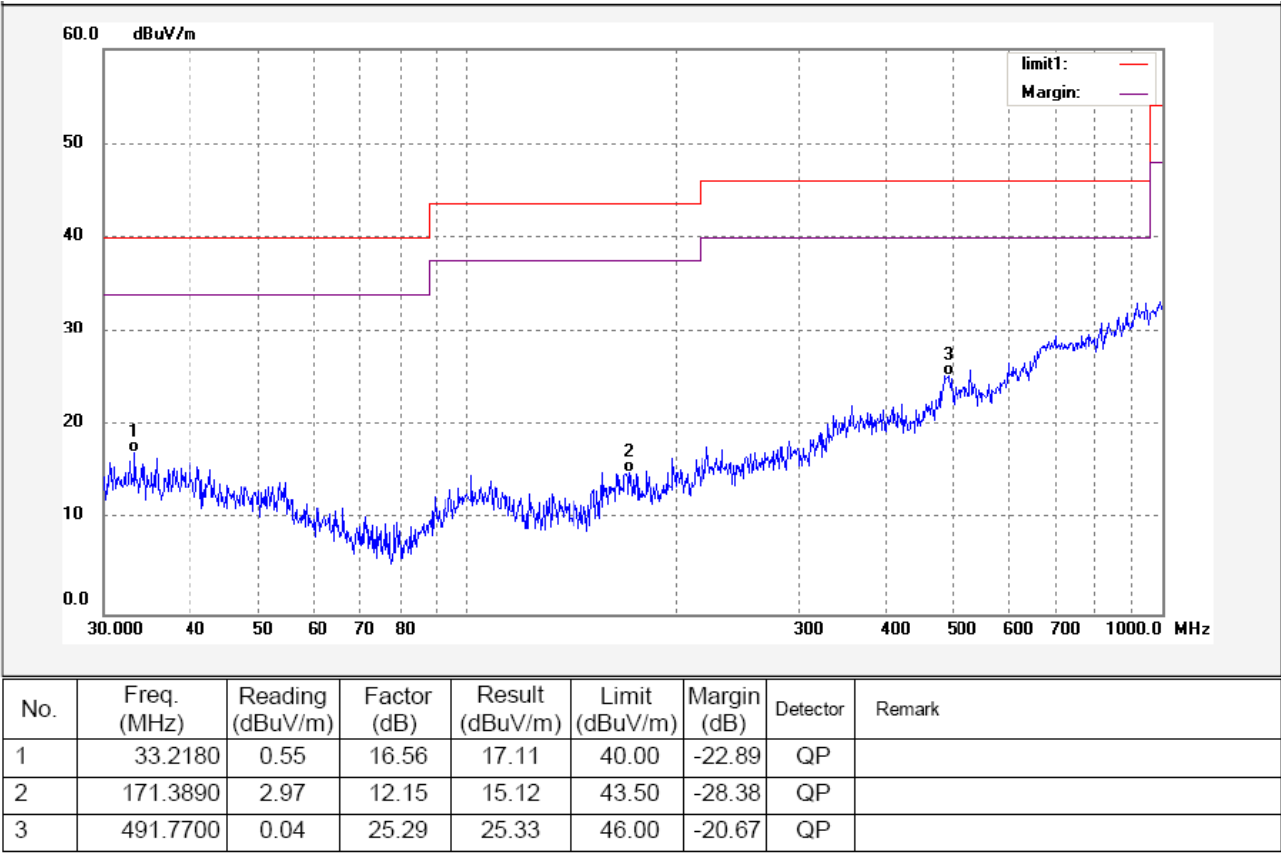
Test Frequency : 30MHz ~ 1000MHz

Antenna polarization: Vertical



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Antenna polarization: Horizontal



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Test Frequency: 1GHz ~ 25GHz

And the below is the Fundamental and Harmonic

Frequency (MHz)	Detector	Antenna Polarization	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Turntable Angle (°)
Low frequency							
2402.00	AV	Vertical	85.22	94.00	-8.78	1.3	50
4804.00	AV	Vertical	38.59	54.00	-15.41	1.1	105
7206.00	AV	Vertical	39.38	54.00	-14.62	1.6	160
9608.00	AV	Vertical	35.80	54.00	-18.20	1.7	110
12010.00	AV	Vertical	33.39	54.00	-20.61	1.7	195
14412.00	AV	Vertical	35.40	54.00	-18.60	1.3	160
16814.00	AV	Vertical	34.65	54.00	-19.35	1.8	150
19216.00	AV	Vertical	29.57	54.00	-24.43	1.4	120
21618.00	AV	Vertical	26.81	54.00	-27.19	1.7	40
24020.00	AV	Vertical	29.89	54.00	-24.11	1.1	110
2402.00	AV	Horizontal	86.93	94.00	-7.07	1.3	60
4804.00	AV	Horizontal	35.48	54.00	-18.52	1.1	160
7206.00	AV	Horizontal	33.81	54.00	-20.19	1.6	110
9608.00	AV	Horizontal	36.36	54.00	-17.64	1.1	160
12010.00	AV	Horizontal	34.60	54.00	-19.40	1.6	100
14412.00	AV	Horizontal	31.45	54.00	-22.55	1.1	170
16814.00	AV	Horizontal	34.26	54.00	-19.74	1.6	160
19216.00	AV	Horizontal	26.77	54.00	-27.23	1.7	140
21618.00	AV	Horizontal	27.71	54.00	-26.29	1.3	150
24020.00	AV	Horizontal	26.33	54.00	-27.67	1.4	70
2402.00	PK	Vertical	96.02	114.00	-17.98	1.6	40
4804.00	PK	Vertical	57.44	74.00	-16.56	1.7	110
7206.00	PK	Vertical	58.38	74.00	-15.62	1.7	150
9608.00	PK	Vertical	55.11	74.00	-18.89	1.3	220
12010.00	PK	Vertical	51.47	74.00	-22.53	1.3	110
14412.00	PK	Vertical	52.76	74.00	-21.24	1.1	120
16814.00	PK	Vertical	49.57	74.00	-24.43	1.5	175
19216.00	PK	Vertical	47.85	74.00	-26.15	1.1	170
21618.00	PK	Vertical	45.63	74.00	-28.37	1.8	120
24020.00	PK	Vertical	46.78	74.00	-27.22	1.3	130
2402.00	PK	Horizontal	97.43	114.00	-16.57	1.9	110
4804.00	PK	Horizontal	55.75	74.00	-18.25	1.7	150
7206.00	PK	Horizontal	53.50	74.00	-20.50	1.9	100
9608.00	PK	Horizontal	50.61	74.00	-23.39	1.1	50
12010.00	PK	Horizontal	52.59	74.00	-21.41	1.3	195
14412.00	PK	Horizontal	47.50	74.00	-26.50	1.4	40
16814.00	PK	Horizontal	53.60	74.00	-20.40	1.9	230
19216.00	PK	Horizontal	45.45	74.00	-28.55	1.4	120
21618.00	PK	Horizontal	46.78	74.00	-27.22	1.3	160

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24020.00	PK	Horizontal	48.55	74.00	-25.45	1.8	120
Middle frequency							
2432.00	AV	Vertical	84.95	94.00	-9.05	1.6	80
4864.00	AV	Vertical	41.11	54.00	-12.89	1.5	150
7296.00	AV	Vertical	39.32	54.00	-14.68	1.2	130
9728.00	AV	Vertical	35.23	54.00	-18.77	1.1	50
12160.00	AV	Vertical	39.82	54.00	-14.18	1.3	60
14592.00	AV	Vertical	33.64	54.00	-20.36	1.1	190
17024.00	AV	Vertical	35.44	54.00	-18.56	1.6	50
19456.00	AV	Vertical	32.23	54.00	-21.77	1.4	60
21888.00	AV	Vertical	30.36	54.00	-23.64	1.9	220
24320.00	AV	Vertical	34.45	54.00	-19.55	1.1	140
2432.00	AV	Horizontal	85.21	94.00	-8.79	1.2	180
4864.00	AV	Horizontal	37.58	54.00	-16.42	1.5	130
7296.00	AV	Horizontal	38.79	54.00	-15.21	1.6	320
9728.00	AV	Horizontal	33.70	54.00	-20.30	1.1	180
12160.00	AV	Horizontal	31.39	54.00	-22.61	1.3	190
14592.00	AV	Horizontal	35.29	54.00	-18.71	1.3	230
17024.00	AV	Horizontal	34.52	54.00	-19.48	1.7	195
19456.00	AV	Horizontal	29.20	54.00	-24.80	1.3	130
21888.00	AV	Horizontal	30.25	54.00	-23.75	1.3	200
24320.00	AV	Horizontal	28.43	54.00	-25.57	1.6	180
2432.00	PK	Vertical	97.25	114	-16.75	1.3	40
4864.00	PK	Vertical	62.34	74.00	-11.66	1.0	140
7296.00	PK	Vertical	60.45	74.00	-13.55	1.5	160
9728.00	PK	Vertical	56.31	74.00	-17.69	1.2	160
12160.00	PK	Vertical	59.55	74.00	-14.45	1.8	230
14592.00	PK	Vertical	52.22	74.00	-21.78	1.1	60
17024.00	PK	Vertical	55.47	74.00	-18.53	1.5	40
19456.00	PK	Vertical	50.28	74.00	-23.72	1.4	170
21888.00	PK	Vertical	54.27	74.00	-19.73	1.6	195
24320.00	PK	Vertical	47.33	74.00	-26.67	1.3	160
2432.00	PK	Horizontal	98.80	114	-15.20	1.7	50
4864.00	PK	Horizontal	57.41	74.00	-16.59	1.6	105
7296.00	PK	Horizontal	59.14	74.00	-14.86	1.7	130
9728.00	PK	Horizontal	53.25	74.00	-20.75	1.4	110
12160.00	PK	Horizontal	56.00	74.00	-18.00	1.5	210
14592.00	PK	Horizontal	51.40	74.00	-22.60	1.4	190
17024.00	PK	Horizontal	48.59	74.00	-25.41	1.2	170
19456.00	PK	Horizontal	51.28	74.00	-22.72	1.4	210
21888.00	PK	Horizontal	52.51	74.00	-21.49	1.2	40
24320.00	PK	Horizontal	47.19	74.00	-26.81	1.5	195
High frequency							
2463.50	AV	Vertical	85.51	94.00	-8.49	1.1	230
4927.00	AV	Vertical	41.38	54.00	-12.62	1.5	60

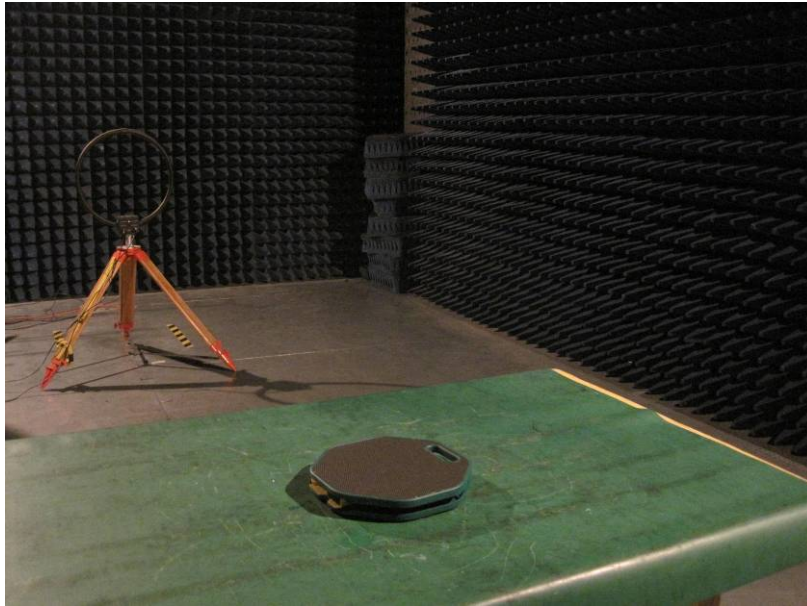
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7390.50	AV	Vertical	40.34	54.00	-13.66	1.4	160
9854.00	AV	Vertical	38.82	54.00	-15.18	1.3	110
12317.50	AV	Vertical	37.38	54.00	-16.62	1.6	150
14781.00	AV	Vertical	40.92	54.00	-13.08	1.7	160
17244.50	AV	Vertical	34.31	54.00	-19.69	1.2	150
19708.00	AV	Vertical	31.60	54.00	-22.40	1.0	240
22171.50	AV	Vertical	38.37	54.00	-15.63	1.5	160
24635.00	AV	Vertical	30.33	54.00	-23.67	1.4	185
2463.50	AV	Horizontal	86.69	94.00	-7.31	1.2	180
4927.00	AV	Horizontal	39.67	54.00	-14.33	2.1	190
7390.50	AV	Horizontal	35.04	54.00	-18.96	1.3	170
9854.00	AV	Horizontal	35.61	54.00	-18.39	1.4	240
12317.50	AV	Horizontal	36.88	54.00	-17.12	1.3	175
14781.00	AV	Horizontal	33.43	54.00	-20.57	1.1	170
17244.50	AV	Horizontal	30.59	54.00	-23.41	1.5	240
19708.00	AV	Horizontal	33.22	54.00	-20.78	2.0	100
22171.50	AV	Horizontal	28.48	54.00	-25.52	1.4	140
24635.00	AV	Horizontal	29.33	54.00	-24.67	2.3	150
2463.50	PK	Vertical	97.21	114	-16.79	1.3	220
4927.00	PK	Vertical	60.91	74.00	-13.09	1.1	80
7390.50	PK	Vertical	57.34	74.00	-16.66	2.2	170
9854.00	PK	Vertical	59.80	74.00	-14.20	1.4	140
12317.50	PK	Vertical	54.90	74.00	-19.10	1.5	140
14781.00	PK	Vertical	61.45	74.00	-12.55	1.1	120
17244.50	PK	Vertical	55.48	74.00	-18.52	1.3	130
19708.00	PK	Vertical	56.35	74.00	-17.65	1.1	170
22171.50	PK	Vertical	54.67	74.00	-19.33	1.7	180
24635.00	PK	Vertical	48.29	74.00	-25.71	1.5	175
2463.50	PK	Horizontal	97.71	114	-16.29	1.8	230
4927.00	PK	Horizontal	57.30	74.00	-16.70	1.3	120
7390.50	PK	Horizontal	55.61	74.00	-18.39	1.6	160
9854.00	PK	Horizontal	56.43	74.00	-17.57	1.2	230
12317.50	PK	Horizontal	54.29	74.00	-19.71	1.3	150
14781.00	PK	Horizontal	48.48	74.00	-25.52	1.9	130
17244.50	PK	Horizontal	52.69	74.00	-21.31	2.0	200
19708.00	PK	Horizontal	47.36	74.00	-26.64	1.4	210
22171.50	PK	Horizontal	50.19	74.00	-23.81	2.4	160
24635.00	PK	Horizontal	45.57	74.00	-28.43	1.8	240

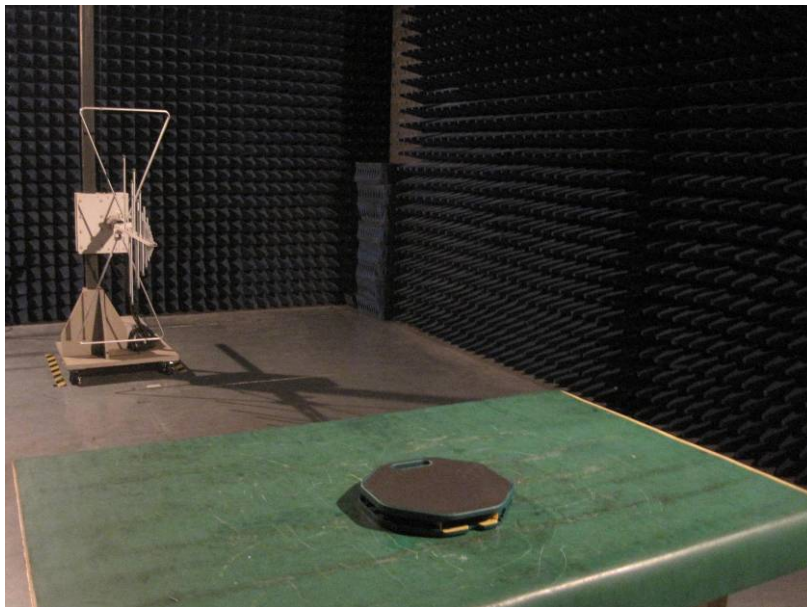
The results shown in this test report refer only to the sample(s) tested , This Test report cannot be reproduced, except in full, without prior written permission of the Company.

7.8 Photograph – Radiation Spurious Emission Test Setup

Below 30MHz



30M - 1GHz



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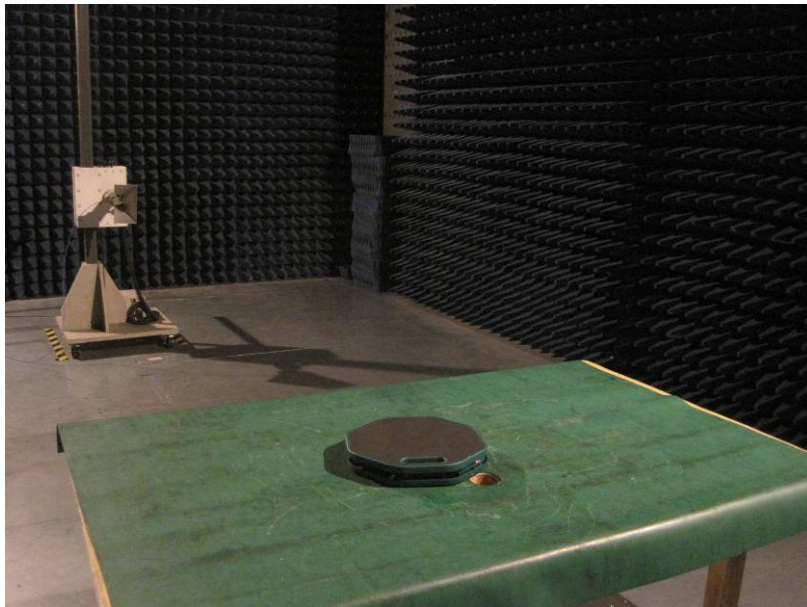
WALTEK SERVICES

Reference No.: WT12064328-D-S-F

Legend Lifestyle Products Corp.

FCC ID: Y3VWTRS-00

Above 1GHz



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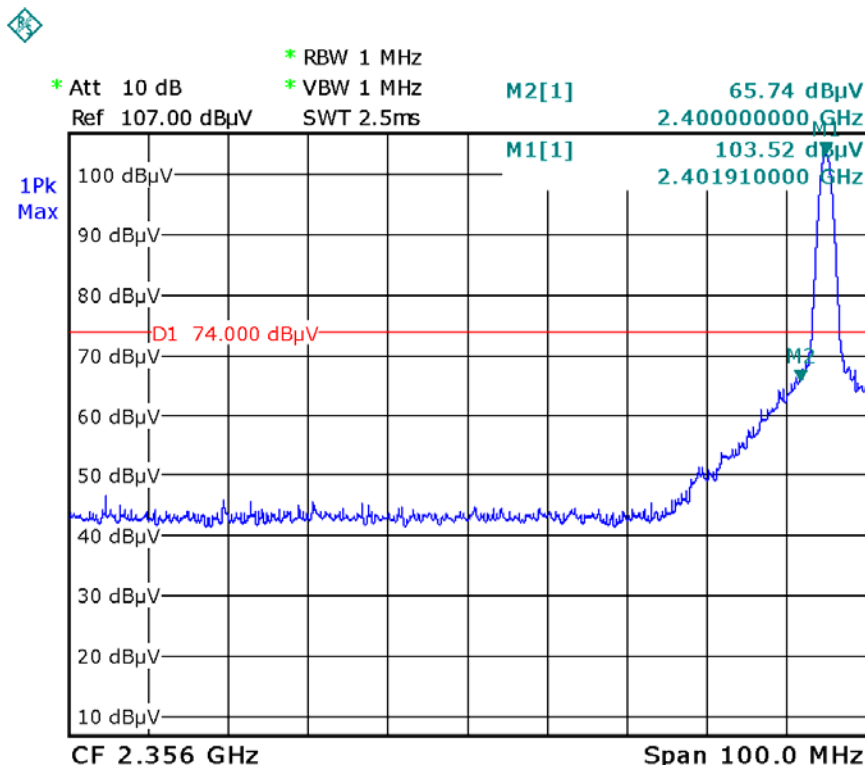
WALTEK SERVICES

Reference No.: WT12064328-D-S-F

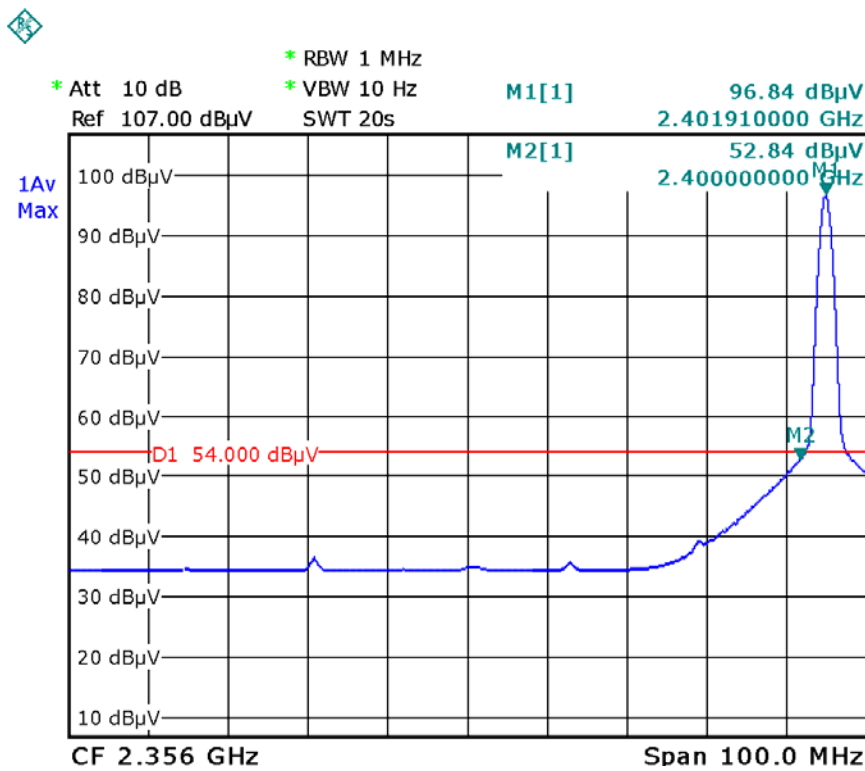
8 Band Edge Measurements

Test Requirement:	An in band field strength measurement of the fundamental emission using the RBW and detector function required by C63.4-2003 and FCC Rules. The procedure was repeated with an average detector and a plot made. The calculated field strength in the adjacent restricted band is presented below. Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.
Test Method:	ANSI 63.4:2003
Measurement Distance:	3m
Limit:	40.0 dBuV/m between 30MHz & 88MHz; 43.5 dBuV/m between 88MHz & 216MHz; 46.0 dBuV/m between 216MHz & 960MHz; 54.0 dBuV/m above 960MHz. 74.0 dBuV/m for peak above 1GHz 54.0 dBuV/m for AVG above 1GHz
Detector:	For Peak value: RBW = 1 MHz for $f \geq 1$ GHz VBW \geq RBW; Sweep = auto Detector function = peak Trace = max hold For AVG value: RBW = 1 MHz for $f \geq 1$ GHz VBW = 10Hz; Sweep = auto Detector function = AVG Trace = max hold

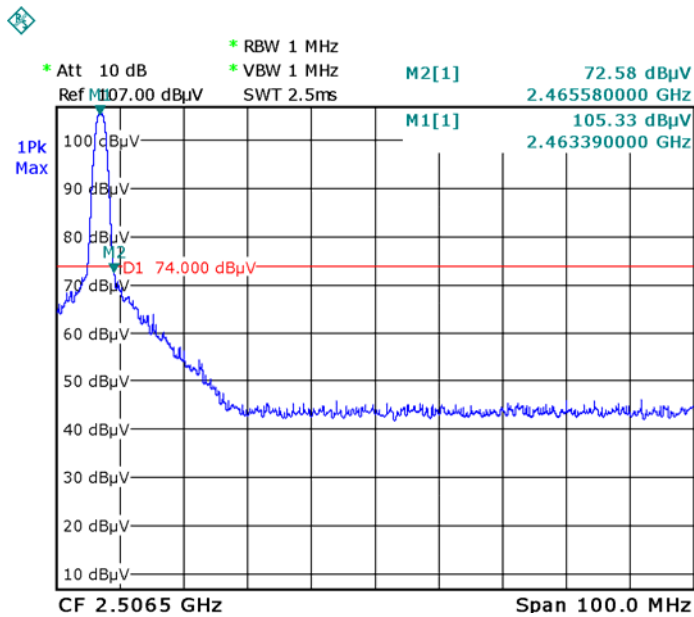
Test Result:
Low Channel – Peak



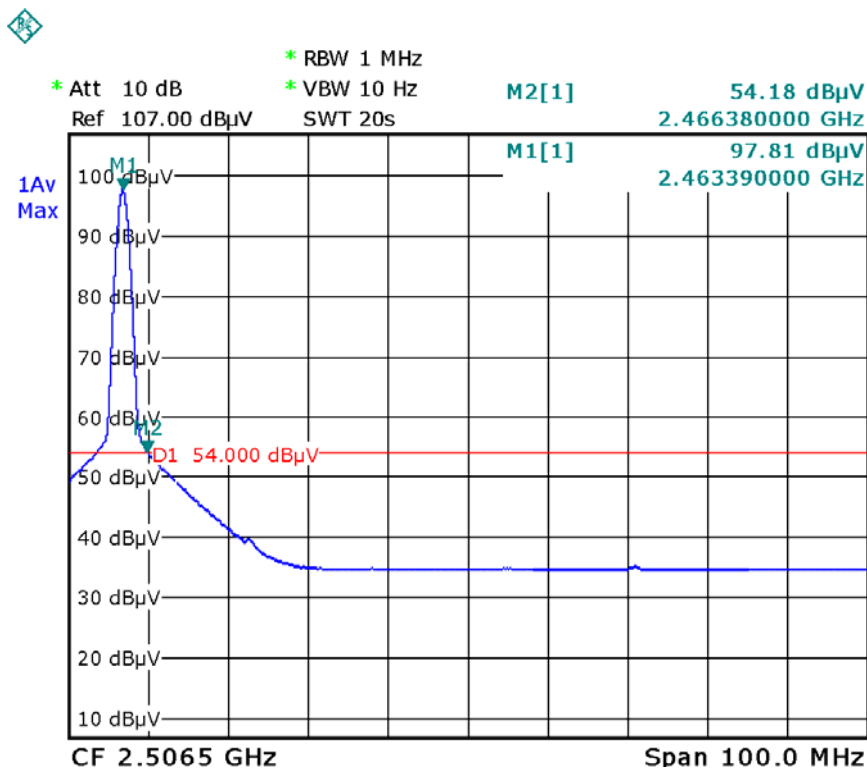
Low Channel – AV



High Channel – Peak



High Channel – AV



9 20 dB Bandwidth Measurement

Test Requirement: FCC CFR47 Part 15 Section 15.249
 Test Method: ANSI 63.4:2003
 Test Mode: Test in fixing operating frequency at low, Middle, high channel.

9.1 Test Procedure:

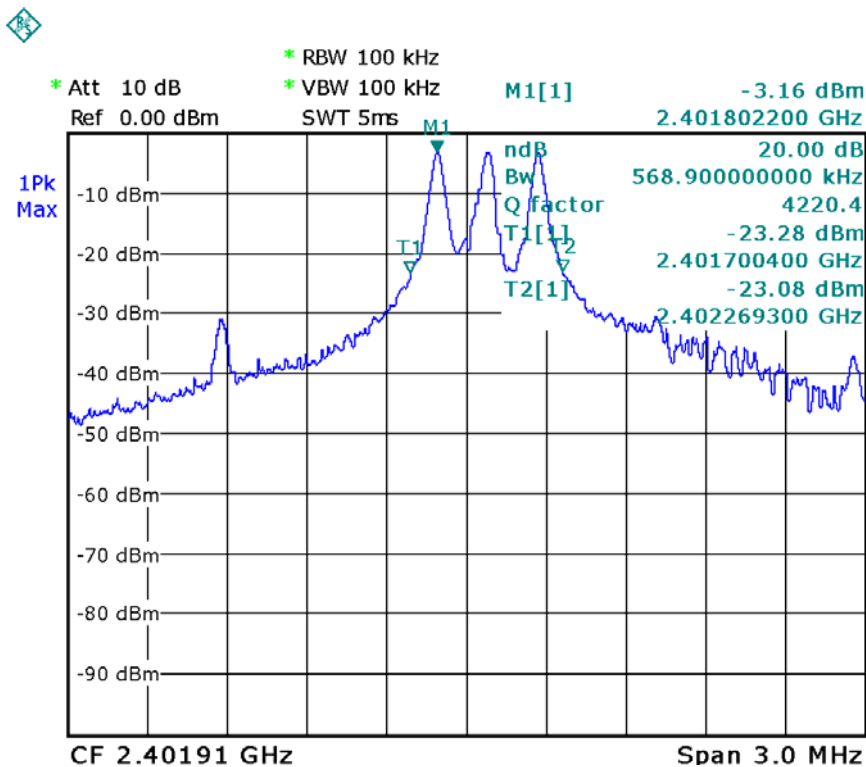
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: Span = 3MHz, RBW = 100kHz, VBW = 100kHz

9.2 Test Result:

Test Channel	Bandwidth
Low	568.9KHz
Middle	568.9KHz
High	574.9KHz

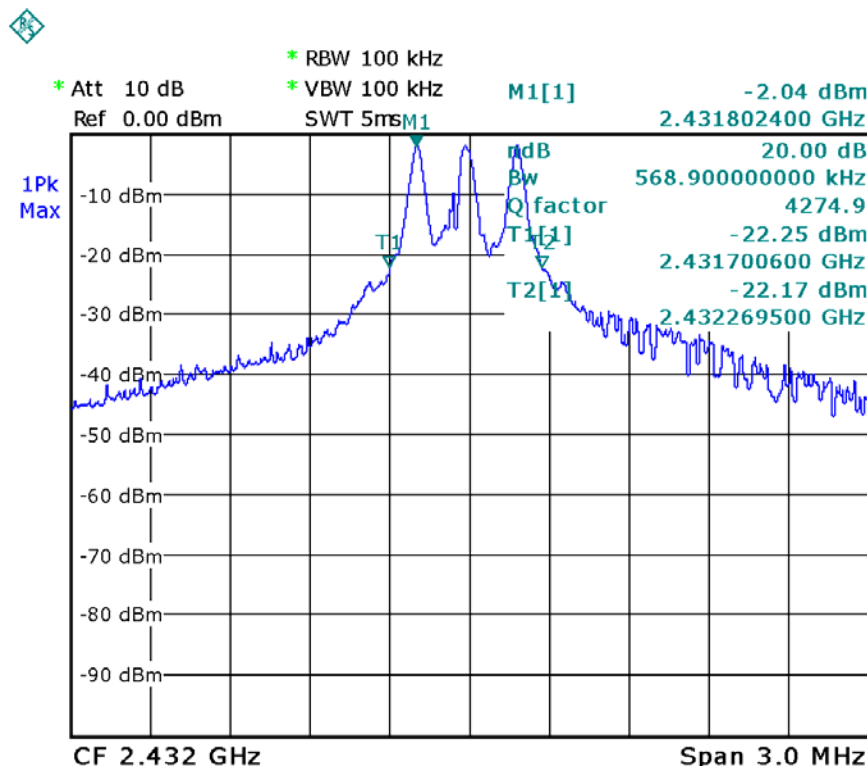
Test result plot as follows:

Low Channel

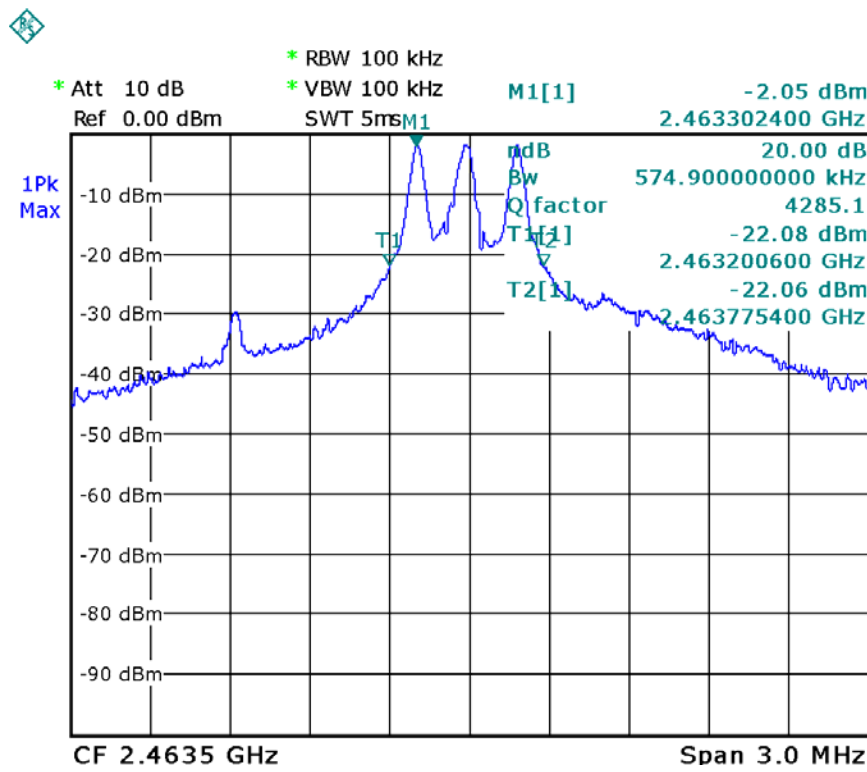


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Middle Channel



High Channel



10 Antenna Requirement

According to the FCC Part 15 Paragraph 15.203, 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 shall be considered sufficient to comply with the provisions of this section. This product has a permanent PCB antenna, fulfill the requirement of this section.

11 Photographs - Constructional Details

11.1 EUT – Appearance View



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Reference No.: WT12064328-D-S-F



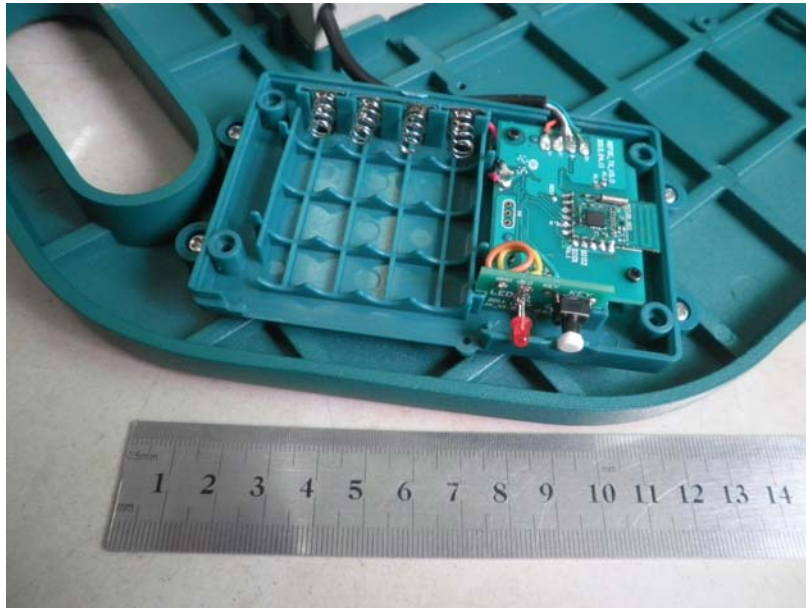
11.2 EUT – Open View

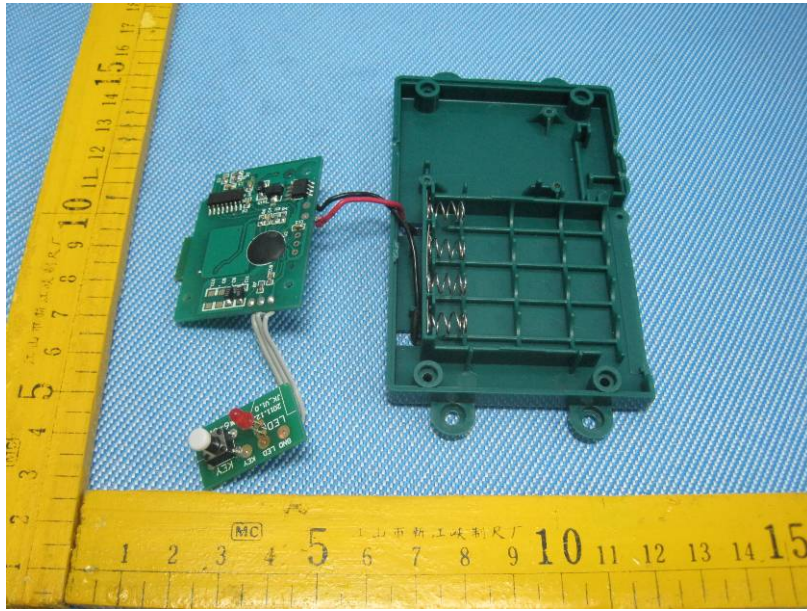


The results shown in this test report refer only to the sample(s) tested , This Test report cannot be reproduced, except in full, without prior written permission of the Company.

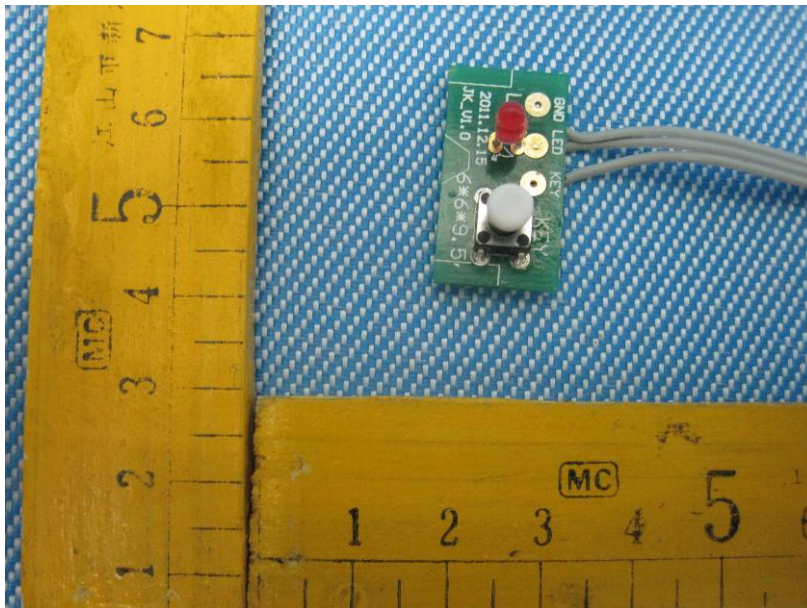
WALTEK SERVICES

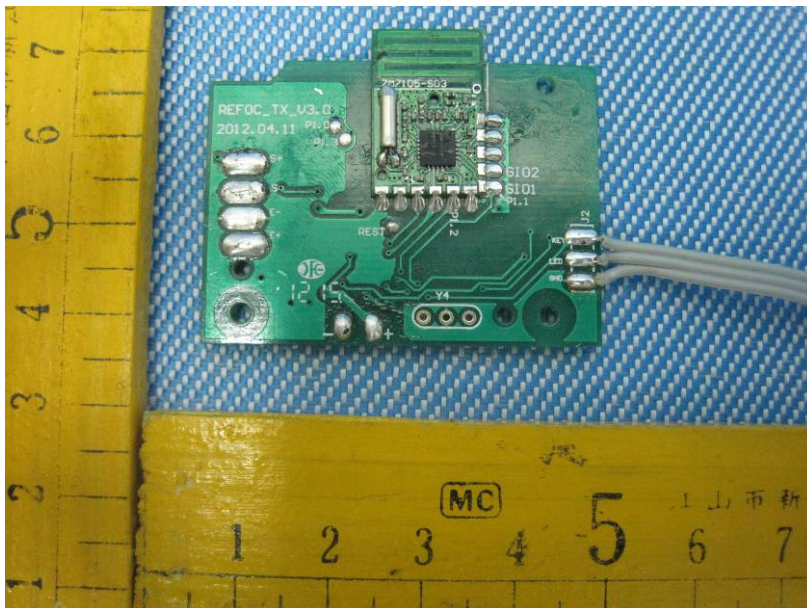
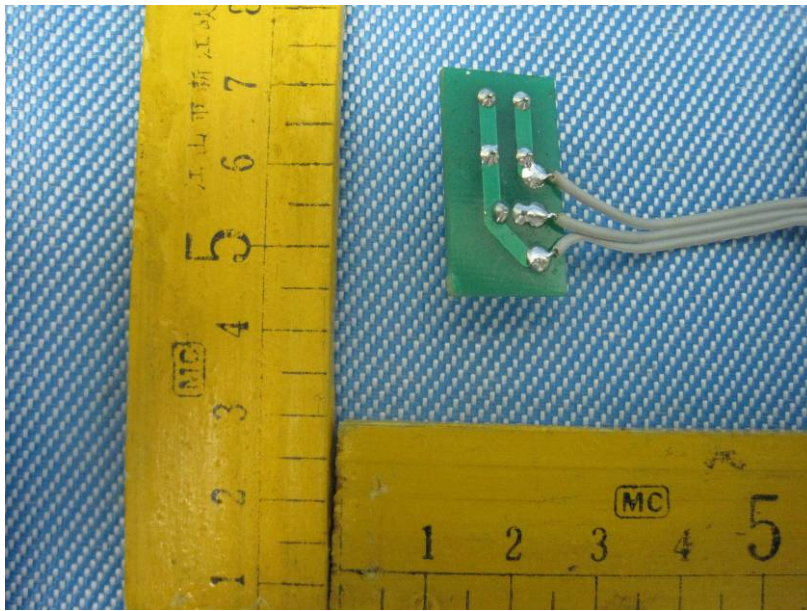
Reference No.: WT12064328-D-S-F

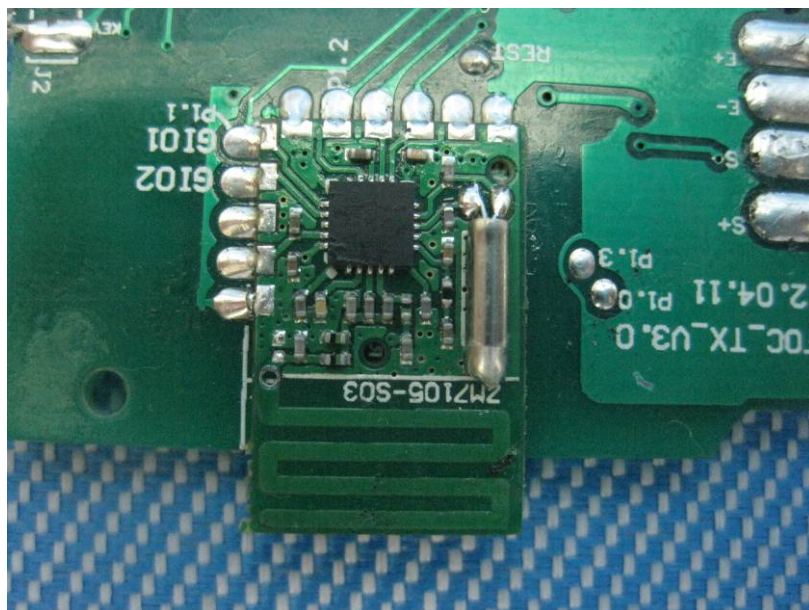
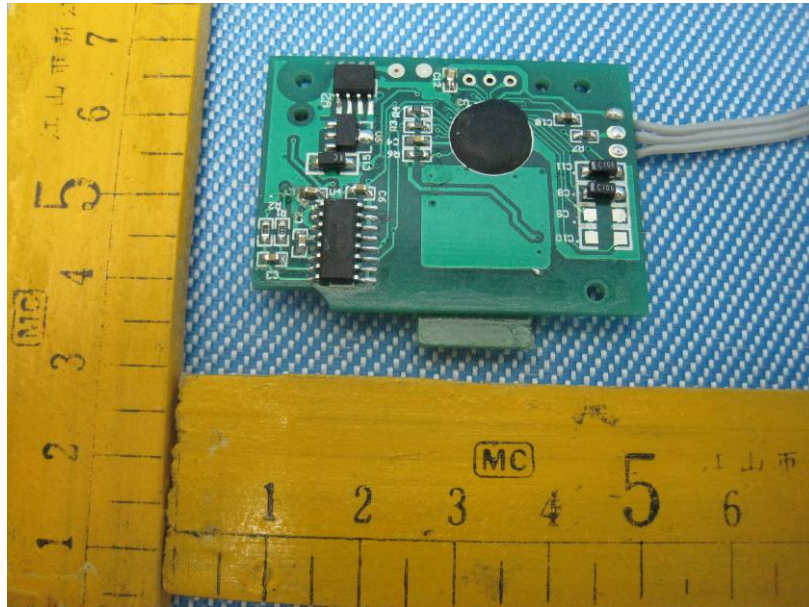




11.3 EUT – PCB View







12 FCC Label

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)this device may not cause harmful interference,and (2) this device must accept any interference received, including interference that may cause undesired operation

The Label must not be a stick-on paper. The Label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Proposed Label Location on EUT

EUT Back View/ proposed FCC Label Location

