Shenzhen EBO Technology Co., Ltd.

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FCC REPORT

Applicant:	Vcom International Multi-media Corp
Address of Applicant:	80 Little Falls Road, Fairfield, NJ 07004 United States
Equipment Under Test (EUT)	
Product Name:	WIRELESS TRANSMITTER
Trade Mark:	HAMILTONBUHL
Model No.:	W900-MULTI
FCC ID:	2AAPA -W900-MULTI
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.237:2016
Date of sample receipt:	January 05, 2017
Date of Test:	January 05, 2017 To January 25, 2017
Date of report issued:	January 25, 2017
Test Result :	PASS *

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

Authorized Signature:

Kevin Yu
Laboratory Manager

2 Version

Version No.	Date	Description
00	*January 25, 2017*	*Original*

Prepared By:  ***Date:*** *January 25, 2017*

Project Engineer

Check By:  ***Date:*** *January 25, 2017*

Reviewer

3 Contents

4 Test Summary

Test Item	Section in CFR 47	Result
Antenna requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
Field strength of the fundamental signal	15.237 (c)	Pass
Spurious emissions	15.237 (c)/15.209	Pass
20dB Occupied Bandwidth	15.215 (c)	Pass

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

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

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	(1)
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:	Vcom International Multi-media Corp
Address of Applicant:	80 Little Falls Road, Fairfield, NJ 07004 United States
Manufacturer:	Vcom International Multi-media Corp
Address of Manufacturer:	80 Little Falls Road, Fairfield, NJ 07004 United States

5.2 General Description of EUT

Product Name:	WIRELESS TRANSMITTER
Trade Mark:	HAMILTONBUHL
Model No.:	W900-MULTI
Operation Frequency:	72.1MHz, 72.5MHz, 72.9MHz, 74.7MHz
Channel numbers:	4
Modulation type:	FM
Antenna Type:	Integrated antenna
Antenna gain:	0dBi (declare by Applicant)
Power supply:	12V⎓1A or AC 12V,1A Adapter: Input:100-240V,50/60Hz,0.3A Output: 12V⎓1A

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	72.1MHz	2	72.5MHz	3	72.9MHz	4	74.7MHz

Note:

In section 15.31(m), regards to the operating frequency range within 1MHz, below frequencies was selected to be test:

Channel	Frequency
1	72.1MHz
3	72.9MHz
4	74.7MHz

5.3 Test mode

Transmitting mode	Keep the EUT in continuously transmitting with FM modulation mode.
Remark: 1. 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.	

5.4 Description of Support Units

None.

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: 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China

5.7 Other Information Requested by the Customer

None.

6 Test Instruments list

Radiated 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	9.2(L)*6.2(W)* 6.4(H)	GTS250	Mar. 27 2016	Mar. 26 2017
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June 14 2016	June 13 2017
4	Loop Antenna	ZHINAN	ZN30900A	GTS534	June 14 2016	June 13 2017
5	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June 14 2016	June 13 2017
6	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 14 2016	June 13 2017
7	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 27 2016	Mar. 26 2017
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
9	Coaxial Cable	GTS	N/A	GTS213	Mar. 27 2016	Mar. 26 2017
10	Coaxial Cable	GTS	N/A	GTS211	Mar. 27 2016	Mar. 26 2017
11	Coaxial cable	GTS	N/A	GTS210	Mar. 27 2016	Mar. 26 2017
12	Coaxial Cable	GTS	N/A	GTS212	Mar. 27 2016	Mar. 26 2017
13	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June 14 2016	June 13 2017
14	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	June 14 2016	June 13 2017
15	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 14 2016	June 13 2017
16	Band filter	Amindeon	82346	GTS219	Mar. 27 2016	Mar. 26 2017
17	Constant temperature and humidity box	Oregon Scientific	BA-888	GTS248	June 14 2016	June 13 2017
18	D.C. Power Supply	Instek	PS-3030	GTS232	June 14 2016	June 13 2017

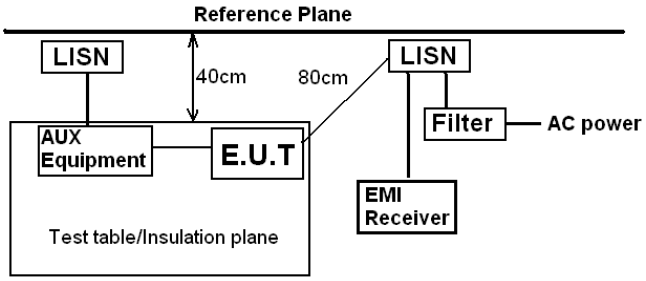
Conducted Emission:						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal.Date (mm-dd-yy)**	**Cal.Due date (mm-dd-yy)**
1	Shielding Room	ZhongYu Electron	7.0(L)x3.0(W)x3.0(H)	GTS264	June 14 2016	June 13 2017
2	EMI Test Receiver	Rohde & Schwarz	ESCS30	GTS223	June 14 2016	June 13 2017
3	10dB Pulse Limita	Rohde & Schwarz	N/A	GTS224	June 14 2016	June 13 2017
4	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June 14 2016	June 13 2017
5	LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	GTS226	June 14 2016	June 13 2017
6	Coaxial Cable	GTS	N/A	GTS227	June 14 2016	June 13 2017
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A

7 Test results and Measurement Data

7.1 Antenna requirement:

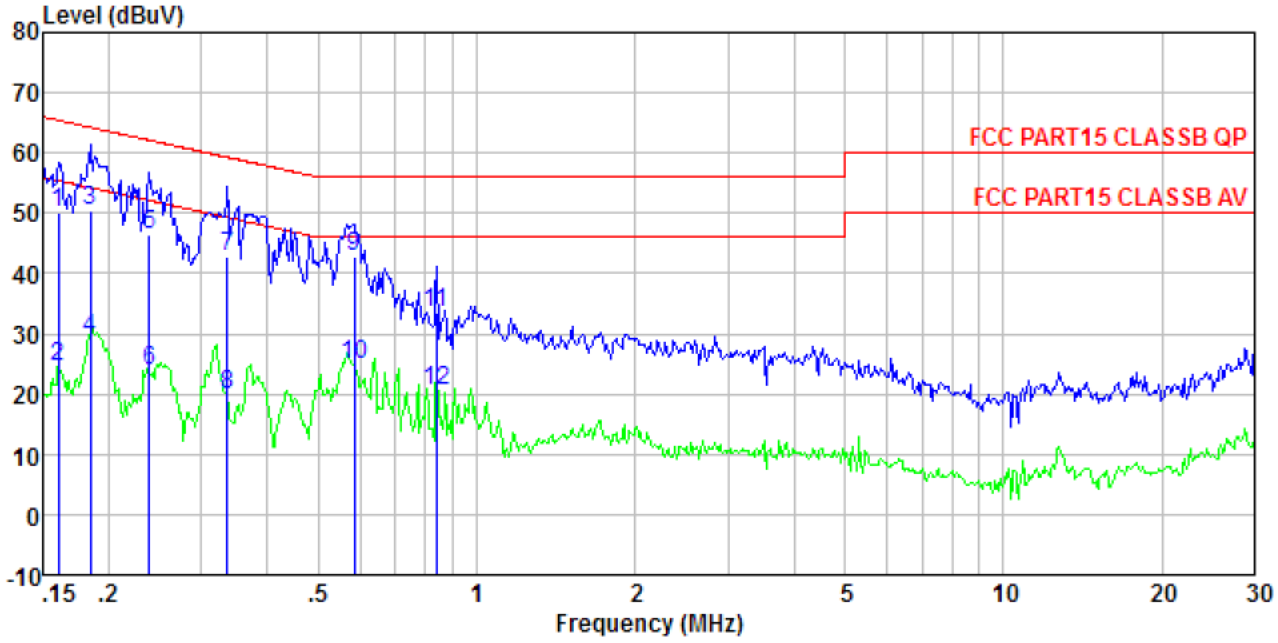
Standard requirement:	FCC Part15 C Section 15.203
15.203 requirement: An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling 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.	
E.U.T Antenna:	
The antenna is PCB antenna, the best case gain of the antenna is 0dBi	

7.2 Conducted Emissions

Test Requirement:	FCC Part15 C Section 15.207
Test Method:	ANSI C63.10:2013
Test Frequency Range:	150KHz to 30MHz
Class / Severity:	Class B
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto
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 of the frequency.
Test setup:	 *Remark:* *E.U.T: Equipment Under Test* *LISN: Line Impedence Stabilization Network* *Test table height=0.8m*
Test procedure:	1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. 2. 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). 3. 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 C63.10:2013 on conducted measurement.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

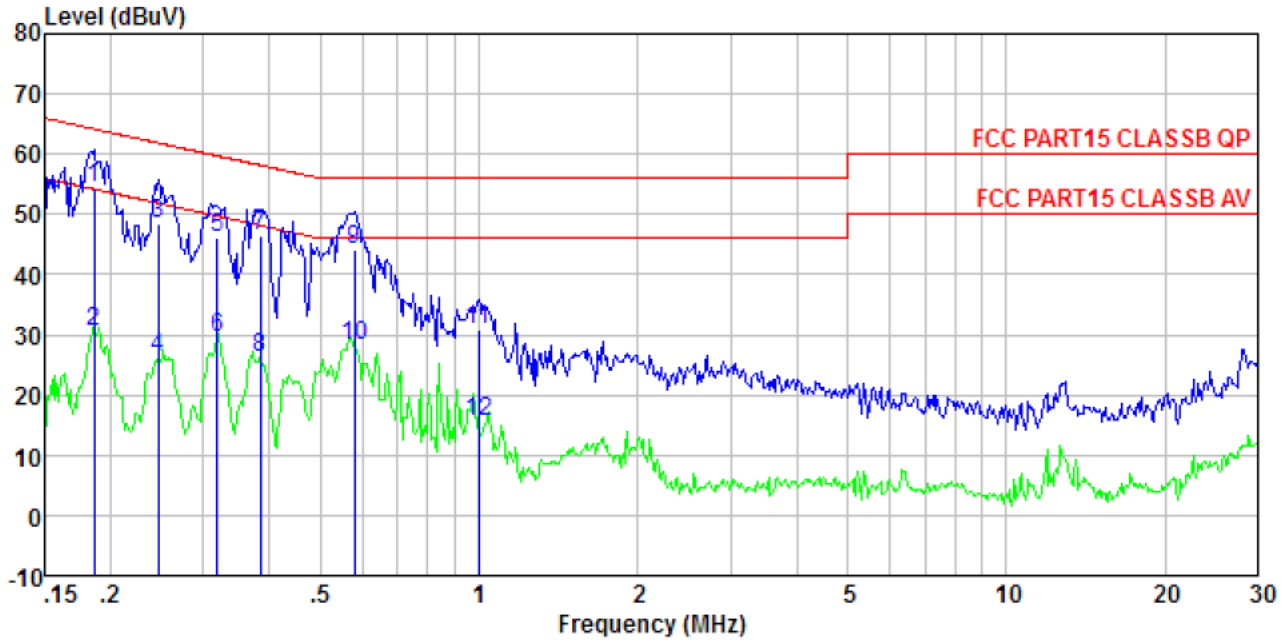
Measurement data:

Test mode:	On mode		LINE



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.161	49.43	0.42	0.12	49.97	65.43	-15.46	QP
2	0.161	23.97	0.42	0.12	24.51	55.43	-30.92	Average
3	0.184	50.05	0.42	0.13	50.60	64.28	-13.68	QP
4	0.184	28.63	0.42	0.13	29.18	54.28	-25.10	Average
5	0.239	45.98	0.44	0.12	46.54	62.13	-15.59	QP
6	0.239	23.48	0.44	0.12	24.04	52.13	-28.09	Average
7	0.336	42.27	0.43	0.10	42.80	59.31	-16.51	QP
8	0.336	19.36	0.43	0.10	19.89	49.31	-29.42	Average
9	0.585	42.47	0.32	0.12	42.91	56.00	-13.09	QP
10	0.585	24.34	0.32	0.12	24.78	46.00	-21.22	Average
11	0.839	33.18	0.26	0.13	33.57	56.00	-22.43	QP
12	0.839	20.31	0.26	0.13	20.70	46.00	-25.30	Average

Test mode:	On mode		NEUTRAL

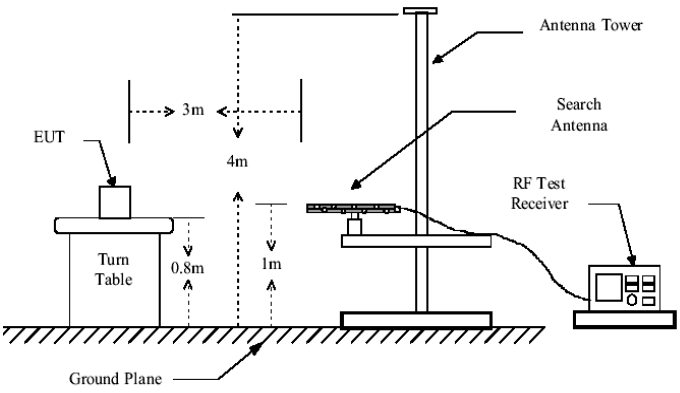


	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.186	53.98	0.41	0.13	54.52	64.20	-9.68	QP
2	0.186	29.88	0.41	0.13	30.42	54.20	-23.78	Average
3	0.247	47.98	0.42	0.11	48.51	61.86	-13.35	QP
4	0.247	25.62	0.42	0.11	26.15	51.86	-25.71	Average
5	0.318	45.64	0.42	0.10	46.16	59.75	-13.59	QP
6	0.318	29.05	0.42	0.10	29.57	49.75	-20.18	Average
7	0.385	45.86	0.40	0.10	46.36	58.17	-11.81	QP
8	0.385	25.61	0.40	0.10	26.11	48.17	-22.06	Average
9	0.579	43.72	0.29	0.12	44.13	56.00	-11.87	QP
10	0.579	27.76	0.29	0.12	28.17	46.00	-17.83	Average
11	1.000	30.55	0.21	0.13	30.89	56.00	-25.11	QP
12	1.000	15.30	0.21	0.13	15.64	46.00	-30.36	Average

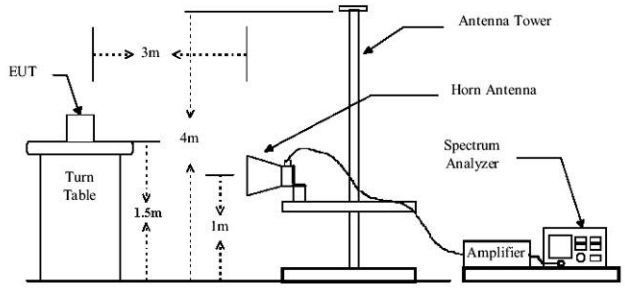
Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.
2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
3. Final Level =Receiver Read level + LISN Factor + Cable Loss
4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.

7.3 Radiated Emission Method

<table>
<tr><td>Test Requirement:</td><td>FCC Part15 C Section 15.237(c) & 15.209</td></tr>
<tr><td>Test Method:</td><td>ANSI C63.10:2013</td></tr>
<tr><td>Test Frequency Range:</td><td>30MHz to 1GHz</td></tr>
<tr><td>Test site:</td><td>Measurement Distance: 3m</td></tr>
<tr><td>Receiver setup:</td><td>
<table>
<tr><th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Remark</th></tr>
<tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120KHz</td><td>300KHz</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak Value</td></tr>
<tr><td>Peak</td><td>1MHz</td><td>10Hz</td><td>Average Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:
(Field strength of the fundamental signal)</td><td>
<table>
<tr><th>Frequency</th><th>Limit (dBuV/m @3m)</th><th>Remark</th></tr>
<tr><td rowspan="2">72-73MHz, 74.6-74.8MHz, 75.2-76MHz</td><td>98.06</td><td>Average Value</td></tr>
<tr><td>118.06</td><td>Peak Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:
(Spurious Emissions)</td><td>
<table>
<tr><th>Frequency</th><th>Limit (dBuV/m @3m)</th><th>Remark</th></tr>
<tr><td>30MHz-88MHz</td><td>40.00</td><td>Quasi-peak Value</td></tr>
<tr><td>88MHz-216MHz</td><td>43.50</td><td>Quasi-peak Value</td></tr>
<tr><td>216MHz-960MHz</td><td>46.00</td><td>Quasi-peak Value</td></tr>
<tr><td>960MHz-1GHz</td><td>54.00</td><td>Quasi-peak Value</td></tr>
<tr><td rowspan="2">Above 1GHz</td><td>54.00</td><td>Average Value</td></tr>
<tr><td>74.00</td><td>Peak Value</td></tr>
</table>
</td></tr>
<tr><td>Limit:
(band edge)</td><td>The field strength of any emissions radiated on any frequency outside of the specified 200 kHz band shall not exceed the general radiated emissions limits specified in §15.209.</td></tr>
<tr><td>Test setup:</td><td>Below 1GHz
 

Above 1GHz</td></tr>
</table>

	
Test Procedure:	1. 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. 2. 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. 5. 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:

7.3.1 Field Strength of The Fundamental Signal

Peak value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
72.10	101.25	7.38	29.84	0.96	79.75	108.06	-28.31	Vertical
72.10	98.49	7.38	29.84	0.96	76.99	108.06	-31.07	Horizontal
72.90	100.17	7.38	29.84	0.97	78.68	108.06	-29.38	Vertical
72.90	96.36	7.38	29.84	0.97	74.87	108.06	-33.19	Horizontal
74.70	104.39	7.35	29.83	0.98	82.89	108.06	-25.17	Vertical
74.70	97.75	7.35	29.83	0.98	76.25	108.06	-31.82	Horizontal

Average value:

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
72.10	90.34	7.38	29.84	0.96	68.84	98.06	-29.22	Vertical
72.10	89.00	7.38	29.84	0.96	67.50	98.06	-30.56	Horizontal
72.90	90.22	7.38	29.84	0.97	68.73	98.06	-29.33	Vertical
72.90	87.00	7.38	29.84	0.97	65.51	98.06	-32.55	Horizontal
74.70	96.88	7.35	29.83	0.98	75.38	98.06	-22.68	Vertical
74.70	87.63	7.35	29.83	0.98	66.13	98.06	-31.93	Horizontal

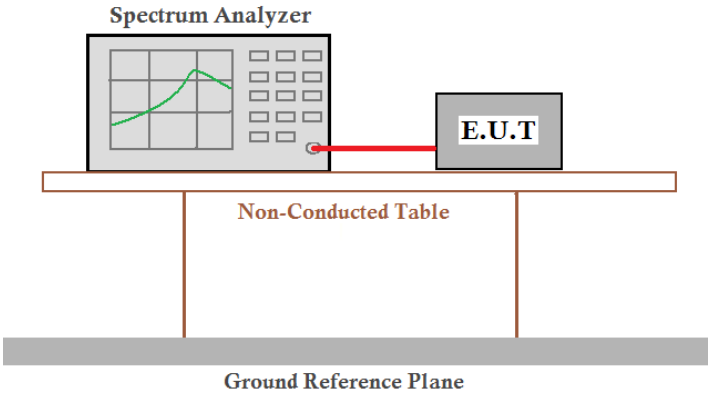
7.3.2 Spurious emissions

Test Frequency:	72.1MHz							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
72.00	49.94	7.38	29.84	0.96	28.44	40.00	-11.56	Vertical
73.00	53.02	7.38	29.84	0.97	31.53	40.00	-8.47	Vertical
144.20	60.35	7.43	29.43	1.54	39.89	43.50	-3.61	Vertical
216.30	58.09	10.78	29.38	1.95	41.44	46.00	-4.56	Vertical
288.40	56.78	13.21	29.95	2.32	42.36	46.00	-3.65	Vertical
360.50	52.80	14.97	29.62	2.73	40.88	46.00	-5.12	Vertical
432.60	50.15	16.23	29.42	3.03	39.99	46.00	-6.01	Vertical
504.70	43.54	17.73	29.40	3.41	35.27	46.00	-10.73	Vertical
576.80	42.78	19.14	29.30	3.71	36.33	46.00	-9.67	Vertical
648.90	41.51	20.65	29.29	4.10	36.97	46.00	-9.04	Vertical
721.00	42.78	22.21	29.34	4.55	40.20	46.00	-5.80	Vertical
72.00	48.43	7.38	29.84	0.96	26.93	40.00	-13.07	Horizontal
73.00	51.03	7.38	29.84	0.97	29.54	40.00	-10.46	Horizontal
144.20	59.67	7.43	29.43	1.54	39.21	43.50	-4.30	Horizontal
216.30	56.97	10.78	29.38	1.95	40.32	46.00	-5.68	Horizontal
288.40	55.08	13.21	29.95	2.32	40.66	46.00	-5.34	Horizontal
360.50	51.34	14.97	29.62	2.73	39.42	46.00	-6.58	Horizontal
432.60	48.91	16.23	29.42	3.03	38.75	46.00	-7.26	Horizontal
504.70	42.45	17.73	29.40	3.41	34.18	46.00	-11.82	Horizontal
576.80	41.84	19.14	29.30	3.71	35.39	46.00	-10.61	Horizontal
648.90	40.11	20.65	29.29	4.10	35.57	46.00	-10.43	Horizontal
721.00	41.35	22.21	29.34	4.55	38.77	46.00	-7.23	Horizontal

Test Frequency:	72.9MHz							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
72.00	48.73	7.38	29.84	0.96	27.23	40.00	-12.77	Vertical
73.00	53.57	7.38	29.84	0.97	32.08	40.00	-7.92	Vertical
145.80	61.40	7.43	29.43	1.54	40.94	43.50	-2.56	Vertical
218.70	58.59	10.79	29.38	1.96	41.96	46.00	-4.04	Vertical
291.60	57.80	13.22	29.95	2.33	43.40	46.00	-2.60	Vertical
364.50	52.99	14.99	29.62	2.75	41.11	46.00	-4.90	Vertical
437.40	51.33	16.24	29.42	3.04	41.19	46.00	-4.81	Vertical
510.30	45.01	17.74	29.40	3.43	36.78	46.00	-9.22	Vertical
583.20	43.98	19.15	29.30	3.73	37.56	46.00	-8.45	Vertical
656.10	42.81	20.66	29.29	4.12	38.30	46.00	-7.70	Vertical
729.00	44.03	22.23	29.34	4.56	41.48	46.00	-4.52	Vertical
72.00	47.25	7.38	29.84	0.96	25.75	40.00	-14.25	Horizontal
73.00	52.74	7.38	29.84	0.97	31.25	40.00	-8.75	Horizontal
145.80	60.09	7.43	29.43	1.54	39.63	43.50	-3.87	Horizontal
218.70	58.02	10.79	29.38	1.96	41.39	46.00	-4.61	Horizontal
291.60	56.97	13.22	29.95	2.33	42.57	46.00	-3.43	Horizontal
364.50	51.72	14.99	29.62	2.75	39.84	46.00	-6.16	Horizontal
437.40	50.04	16.24	29.42	3.04	39.90	46.00	-6.10	Horizontal
510.30	43.28	17.74	29.40	3.43	35.05	46.00	-10.95	Horizontal
583.20	43.16	19.15	29.30	3.73	36.74	46.00	-9.27	Horizontal
656.10	42.06	20.66	29.29	4.12	37.55	46.00	-8.45	Horizontal
729.00	43.65	22.23	29.34	4.56	41.10	46.00	-4.90	Horizontal

Test Frequency:	74.7MHz							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Preamp Factor (dB)	Cable Loss (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
74.60	57.98	7.35	29.83	0.98	36.48	40.00	-3.52	Vertical
74.80	58.36	7.35	29.83	0.98	36.86	40.00	-3.15	Vertical
149.40	61.20	7.68	29.41	1.57	41.04	43.50	-2.46	Vertical
224.10	59.45	11.07	29.44	1.99	43.07	46.00	-2.93	Vertical
298.80	53.05	13.50	30.00	2.35	38.90	46.00	-7.10	Vertical
373.50	53.53	14.97	29.62	2.73	41.61	46.00	-4.40	Vertical
448.20	46.93	16.47	29.40	3.08	37.08	46.00	-8.93	Vertical
522.90	44.64	17.90	29.39	3.46	36.60	46.00	-9.40	Vertical
597.60	44.00	19.25	29.30	3.75	37.70	46.00	-8.30	Vertical
672.30	42.86	20.69	29.30	4.14	38.39	46.00	-7.61	Vertical
747.00	43.26	22.26	29.36	4.58	40.74	46.00	-5.26	Vertical
74.60	56.61	7.35	29.83	0.98	35.11	40.00	-4.89	Horizontal
74.80	57.34	7.35	29.83	0.98	35.84	40.00	-4.17	Horizontal
149.40	60.59	7.68	29.41	1.57	40.43	43.50	-3.08	Horizontal
224.10	58.83	11.07	29.44	1.99	42.45	46.00	-3.55	Horizontal
298.80	51.69	13.50	30.00	2.35	37.54	46.00	-8.46	Horizontal
373.50	52.22	14.97	29.62	2.73	40.30	46.00	-5.70	Horizontal
448.20	46.45	16.47	29.40	3.08	36.60	46.00	-9.41	Horizontal
522.90	42.78	17.90	29.39	3.46	34.75	46.00	-11.25	Horizontal
597.60	42.53	19.25	29.30	3.75	36.23	46.00	-9.78	Horizontal
672.30	41.89	20.69	29.30	4.14	37.41	46.00	-8.59	Horizontal
747.00	42.61	22.26	29.36	4.58	40.09	46.00	-5.91	Horizontal

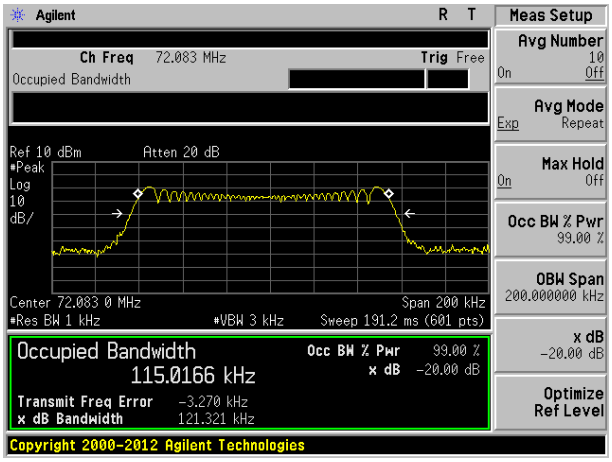
7.4 20dB Occupy Bandwidth

Test Requirement:	FCC Part15 C Section 15.237/15.215
Test Method:	ANSI C63.10:2013
Limit:	Operation Frequency range 72-73MHz, 74.6-74.8MHz, 75.2-76MHz
Test setup:	
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

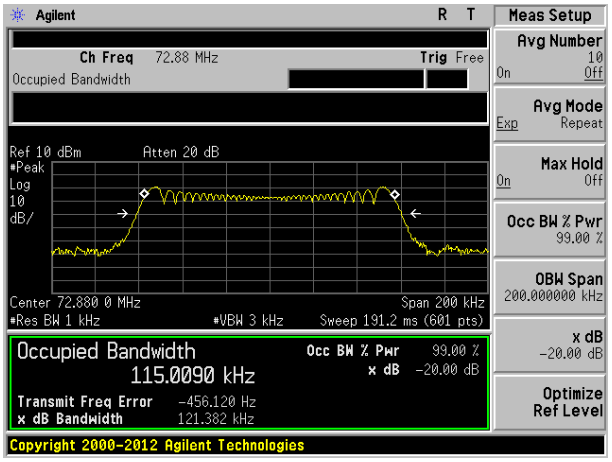
Measurement Data

Test channel	20dB bandwidth(kHz)	Result
Channel 1	121	Pass
Channel 3	121	Pass
Channel 4	122	Pass

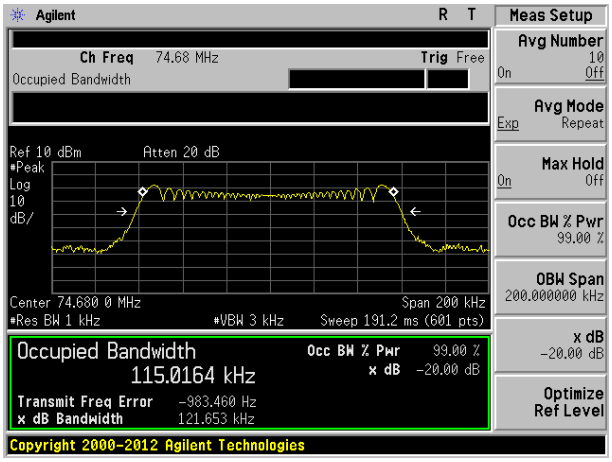
Test plot as follows:



Channel 1



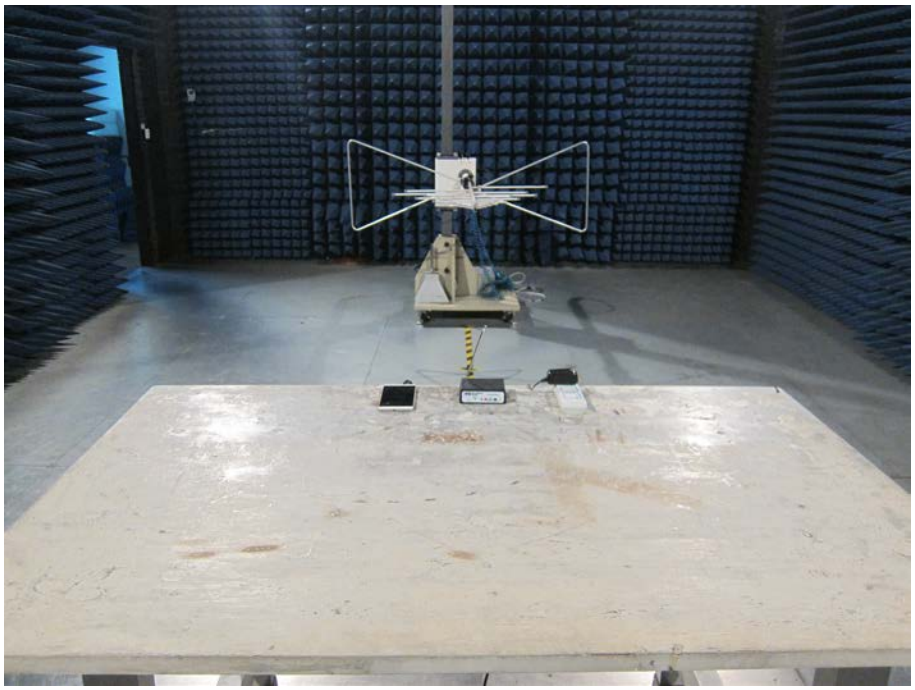
Channel 3



Channel 4

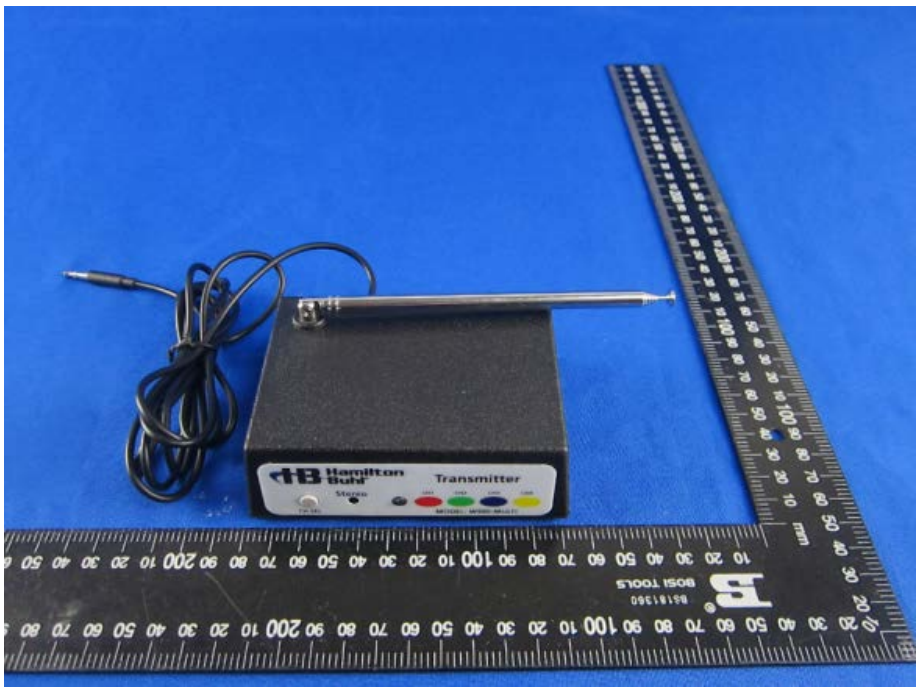
8 Test Setup Photo

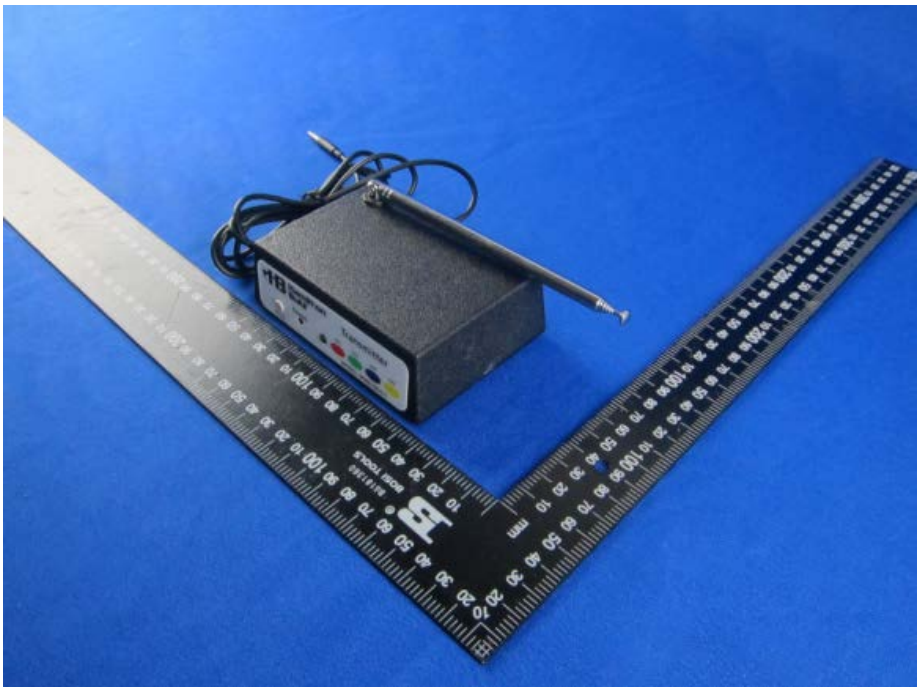
Radiated Emission

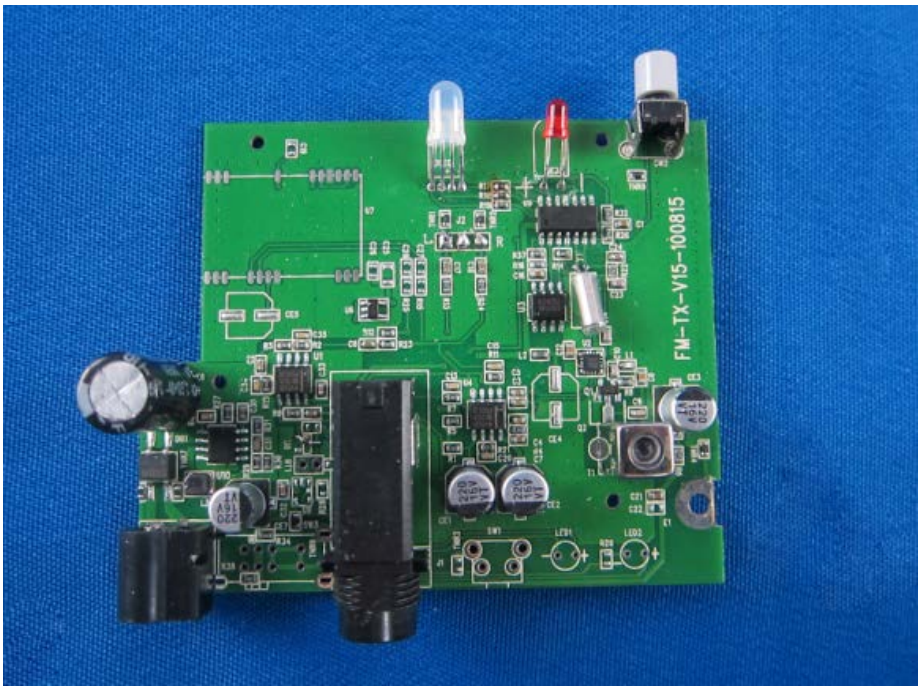


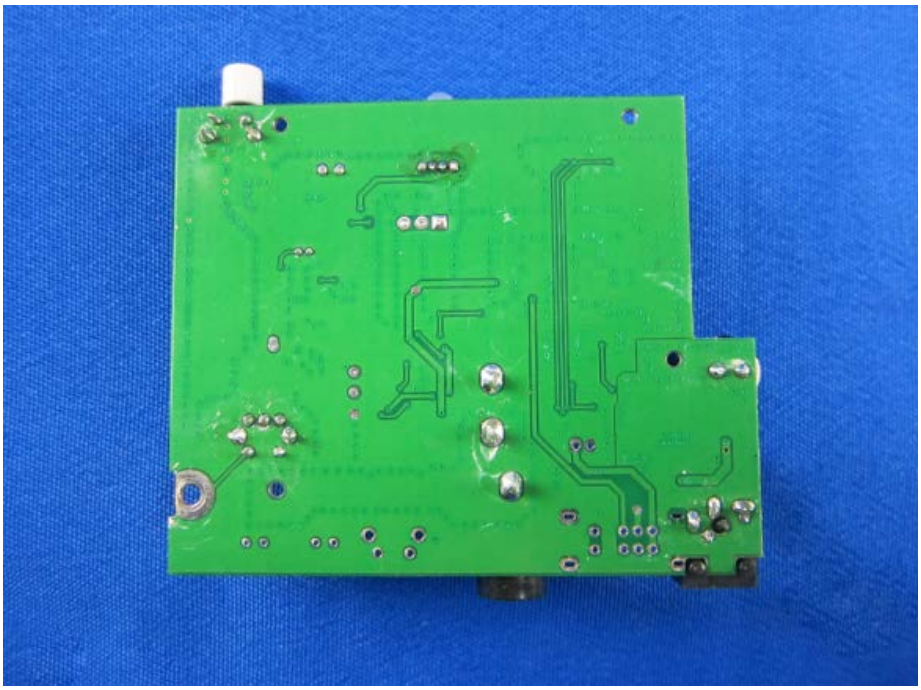
Conducted Emission

9 EUT Constructional Details









------End------