FCC Test Report

Report No.: AGC23K121006-1F2

FCC ID	:	R2M-BTR001
PRODUCT DESIGNATION	:	wireless receiver
BRAND NAME	:	N/A
MODEL NAME	:	i5, i6, i7, MR100
CLIENT	:	AVLINK INDUSTRIAL CO., LTD
DATE OF ISSUE	:	Nov.30,2012
STANDARD(S)	:	FCC Part 15 Rules
REPORT VERSION	:	V1.0

Attestation of ***G***lobal ***C***ompliance Co., Ltd.

VERIFICATION OF COMPLIANCE

Applicant	AVLINK INDUSTRIAL CO., LTD
	7/F,A1 Bldg, Shuichanjingwan Industrial Area, Nanchang Viliage,Gushu, Bao'an Dis., Shenzhen, 518216, P.R. China
Manufacturer	AVLINK INDUSTRIAL CO., LTD
	7/F,A1 Bldg, Shuichanjingwan Industrial Area, Nanchang Viliage,Gushu, Bao'an Dis., Shenzhen, 518216, P.R. China
Product Designation	wireless receiver
Brand Name	N/A
Test Model	i5
Series Model	i6, i7,MR100
Model Difference	All the same except for the model name.
FCC ID	R2M-BTR001
Report Number	AGC23K121006-1F2
Date of Test	Nov.23, 2012 to Nov.30, 2012

WE HEREBY CERTIFY THAT:

The above equipment was tested by Attestation of Global Compliance Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.4 (2003) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC Rules Part 15.249.

Tested By: Jane Wu

Jane Wu Nov.30, 2012

Reviewed By: Forrest Lei

Forrest Lei Nov.30, 2012

Approved By: Solger Zhang

Solger Zhang Nov.30, 2012

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1 .GENERAL INFORMATION

1.1 PRODUCT DESCRIPTION

The EUT is a **wireless receiver** designed as a “Communication Device”. It is designed by way of utilizing the FHSS technology to achieve the system operation.

A major technical description of EUT is described as following

Operation Frequency	2.402 GHz to 2.480GHz
Rated Output Power	1.85dBm(max) for GFSK modulation
Bluetooth Version	V4.0
Modulation	GFSK
Number of channels	40 Channel(37 Hopping Channel,3 advertising Channel)
Antenna Designation	Integrated Antenna
Antenna Gain	0.8dBi
Hardware Version	N/A
Software Version	N/A
Power Supply	DC3.7V by Built-in Li-ion Battery

1.2 TEST STANDARDS

The following report of is prepared on behalf of the Attestation of Global Compliance Co., Ltd. in accordance with FCC Part 15, Subpart C, and section 15.249, 15.203 and 15.209 of the Federal Communication Commission rules.
The objective is to determine compliance with FCC Part 15, Subpart C, and section 15.249, 15.203 and 15.209 of the Federal Communication Commission rules.
Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product, which result in lowering the emission/immunity, should be checked to ensure compliance has been maintained.

1.3 RELATED SUBMITTAL(S)/GRANT(S)

This submittal(s) (test report) is intended for **FCC ID: R2M-BTR001** filing to comply with Section 15.249 of the FCC Part 15, Subpart C Rules.

1.4TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.4-2003, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.
The equipment under test (EUT) was configured to measure its highest possible emission level. The test modes were adapted accordingly in reference to the Operating Instructions. The EUT was tested in all three orthogonal planes and the worse case was showed.

1.5 TEST FACILITY

All measurement facilities used to collect the measurement data are located at
Attestation of Global Compliance Co., Ltd.

1@2F., No.2 Building, Huafeng No.1 Technical Industrial Park, Sanwei, Xixiang, Baoan District, Shenzhen
The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003.
FCC register No.: 259865

1.6 SPECIAL ACCESSORIES

Refer to section 2.2.

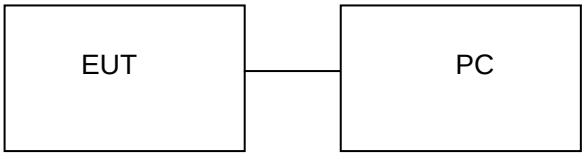
1.7 EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

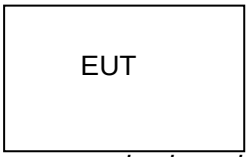
2 SYSTEM TEST CONFIGURATION

2.1 CONFIGURATION OF TESTED SYSTEM

Configure 1 (control continuous TX through PC)



Configure 2(Normal Hopping)



Note: All the accessories have been used during the test.

2.2 EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Mfr/Brand	Model/Type No.	Remark
1	wireless receiver	N/A	i5	EUT
2	PC	DELL	INSPIRON	A.E

3 SUMMARY OF TEST RESULTS

Description of Test	Result
§ 15.203 Antenna Requirement	Compliant
§ 15.207 Power Line Conducted Emission	Compliant
§ 15.209 General Requirement	Compliant
§ 15.249 Emission Bandwidth	Compliant
§ 15.249 Spurious Emission	Compliant

4. DESCRIPTION OF TEST MODES

The EUT has been operated in three modulations: GFSK independently.
The following operating modes were applied for the related test items. For Radiated Emission.

No.	TEST MODES
1	Low Channel(TX)
2	Middle Channel(TX)
3	High Channel(TX)
4	Normal Hopping

Note: All the test modes can be supply by Built-in Li-ion battery, only the result of the worst case was recorded in the report if no other records.

5. § 15.203 - ANTENNA REQUIREMENT

5.1. STANDARD APPLICABLE

According to FCC 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. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

5.2. TEST RESULT

This product has a permanent antenna, fulfill the requirement of this section.

6. §15.209, §15.249 RADIATED EMISSION

6.1. MEASUREMENT UNCERTAINTY

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement is +/-3.2 dB.

6.2. STANDARD APPLICABLE

Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental Field Strength (mV/m)	Field Strength of Harmonics (μV/m)
902-928 MHz	50	500
2400 - 2483.5 MHz	50	500
5725 - 5875 MHz	50	500
24.0 - 24.25 GHz	250	2500

Except as provided elsewhere in this Subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30-88	100*	3
88-216	150*	3
216-960	200*	3
Above 960	500	3

In the above emission table, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength (μV/m at 3-meter)	Field Strength (dBμV/m at 3-meter)
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960	500	54

6.3. TEST EQUIPMENT LIST AND DETAILS

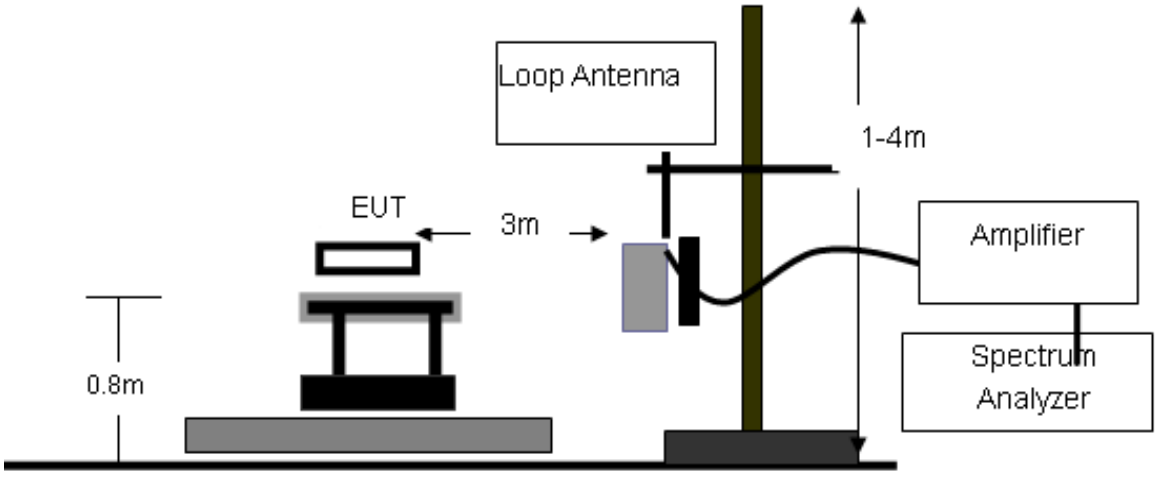
Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
PSA SERIES SPECTRUM ANALYZER	AGILENT	E4440A	US41421290	07/18/2012	07/17/2013
BICONICAL ANTENNA	A.H.	SAS-521-4	128	07/18/2012	07/17/2013
LOOP ANTENNA	R&S	HM525	N/A	07/18/2012	07/17/2013
HORN ANTENNA	EM	EM-AH-10180	N/A	07/18/2012	07/17/2013
AMPLIFIER	EM	EM30180	0607030	07/18/2012	07/17/2013
COAXIAL CABLE	SCHWARZBECK	AK9513	9513-10	07/18/2012	07/17/2013
POSITIONING CONTROLLER	MF	MF-7802	MF780208147	07/18/2012	07/17/2013

6.4. TEST PROCEDURE

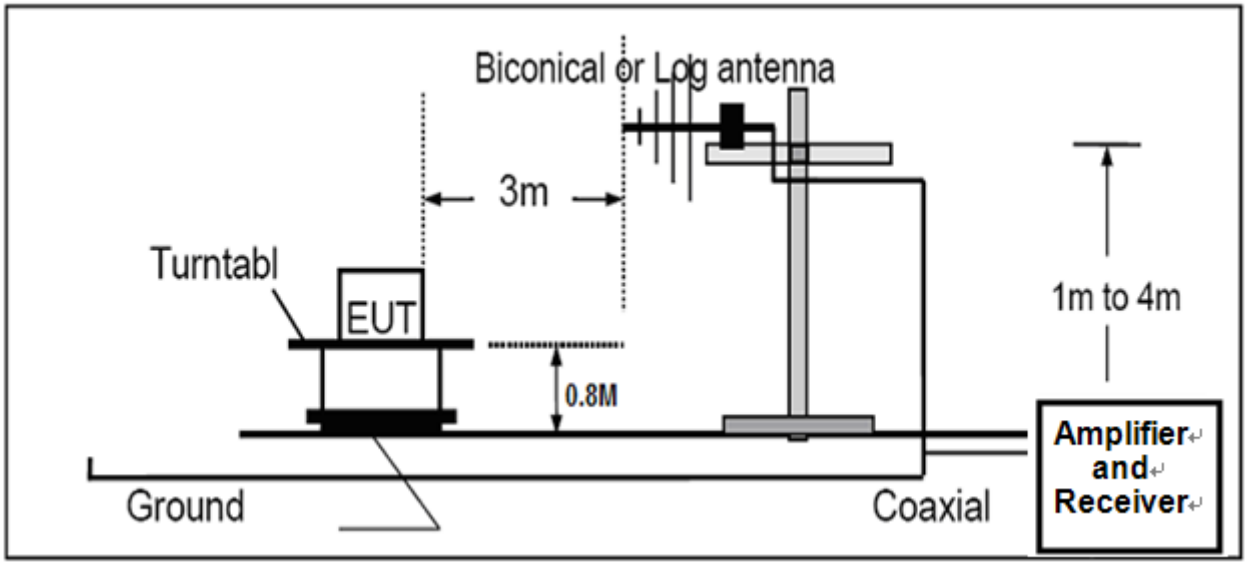
The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15.249 and FCC Part 15.209 Limit

6.5. TEST SET-UP (BLOCK DIAGRAM OF CONFIGURATION)

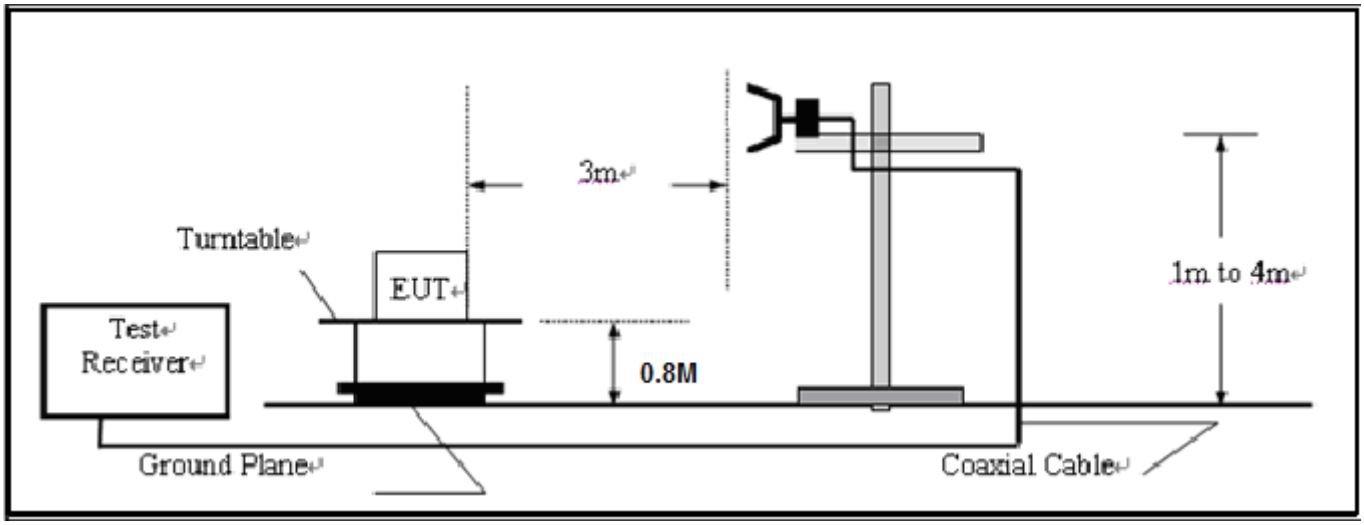
BELOW 30MHz:



30MHz-1000MHz:



ABOVE 1000MHz:



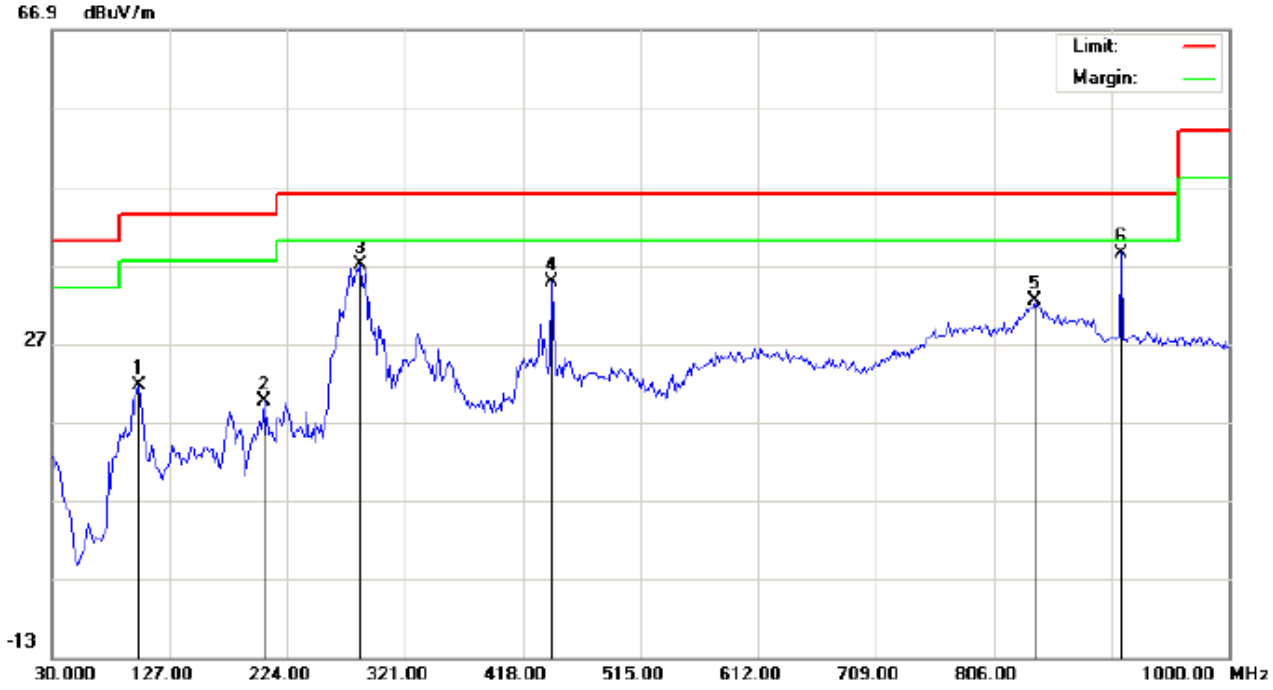
6.6. TEST RESULTS

6.6.1TEST RESULT OF RADIATED EMISSION TEST (9KHZ-30MHZ)

Freq. (MHz)	Level (dB uV)	Over Limit (dB)	Limit Line (dB uV)	Remark
--	--	--	--	Seen to Note

***Note:*
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be report.

6.6.2TEST RESULT OF RADIATED EMISSION TEST (30MHZ-1GHZ)

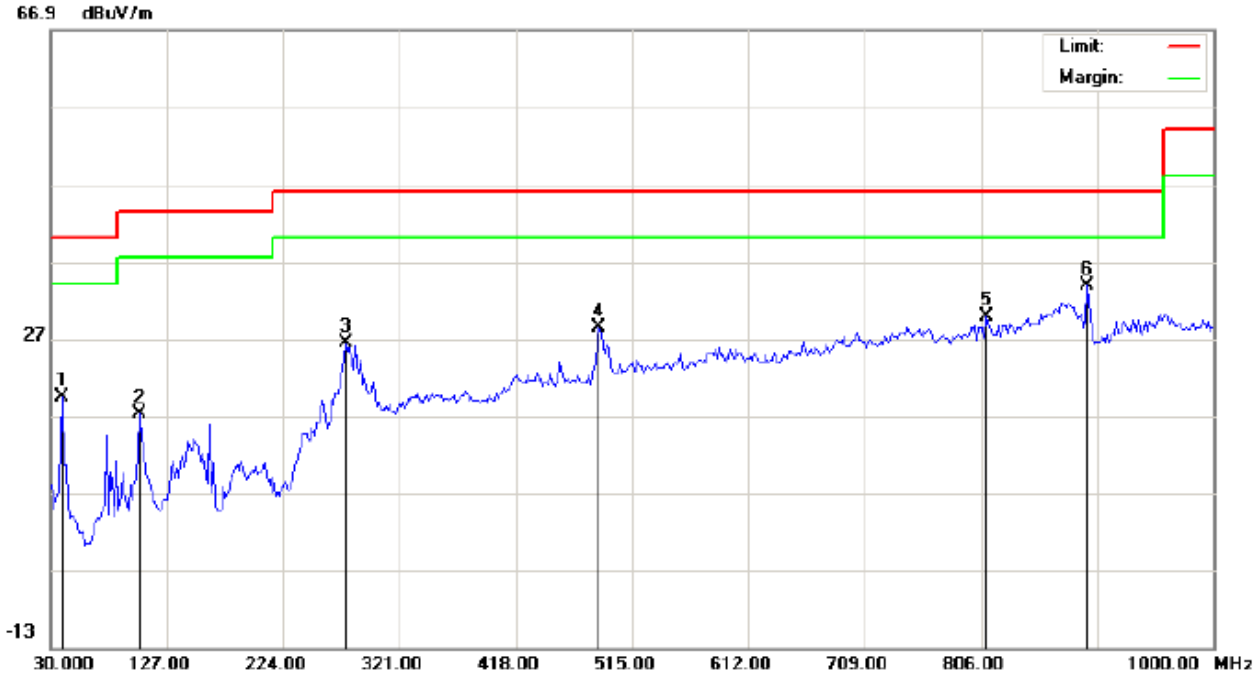


Site: site #1
Limit: FCC Class B 3M Radiation
EUT: wireless receiver
M/N: i5
Mode: Low channel TX
Note:

Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		101.1333	9.38	12.17	21.55	43.50	-21.95	peak			
2		204.6000	11.75	7.88	19.63	43.50	-23.87	peak			
3		283.8167	19.80	17.16	36.96	46.00	-9.04	peak			
4		442.2500	13.28	21.48	34.76	46.00	-11.24	peak			
5		839.9500	0.97	31.34	32.31	46.00	-13.69	peak			
6	*	911.0833	11.85	26.65	38.50	46.00	-7.50	peak			



Site: site #1
Limit: FCC Class B 3M Radiation
EUT: wireless receiver
M/N: i5
Mode: Low channel TX
Note:

Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

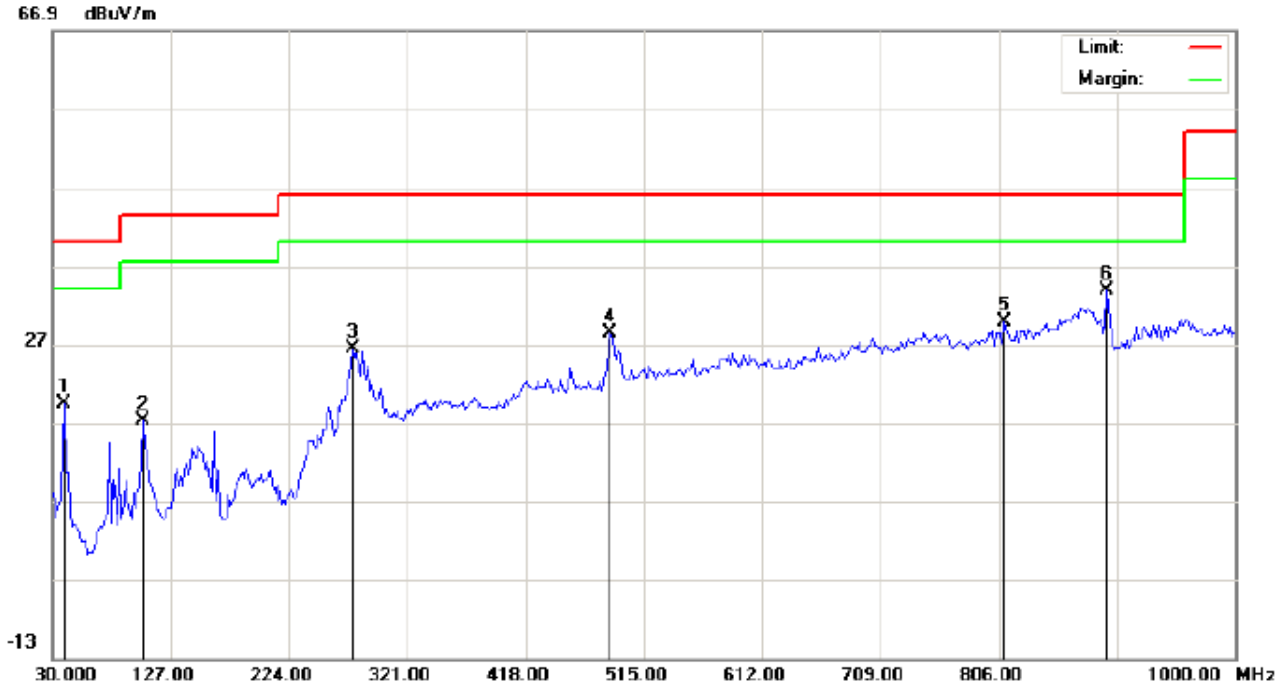
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		39.7000	11.72	7.76	19.48	40.00	-20.52	peak			
2		104.3667	8.13	9.00	17.13	43.50	-26.37	peak			
3		275.7333	10.09	16.35	26.44	46.00	-19.56	peak			
4		487.5167	6.25	22.15	28.40	46.00	-17.60	peak			
5		810.8500	1.70	28.11	29.81	46.00	-16.19	peak			
6	*	894.9167	6.82	26.98	33.80	46.00	-12.20	peak			

Site: site #1
Limit: FCC Class B 3M Radiation
EUT: wireless receiver
M/N: i5
Mode: Middle channel TX
Note:

Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		101.1333	9.38	12.17	21.55	43.50	-21.95	peak			
2		204.6000	11.75	7.88	19.63	43.50	-23.87	peak			
3		283.8167	19.80	17.16	36.96	46.00	-9.04	peak			
4		442.2500	13.28	21.48	34.76	46.00	-11.24	peak			
5		839.9500	0.97	31.34	32.31	46.00	-13.69	peak			
6	*	911.0833	11.85	26.65	38.50	46.00	-7.50	peak			

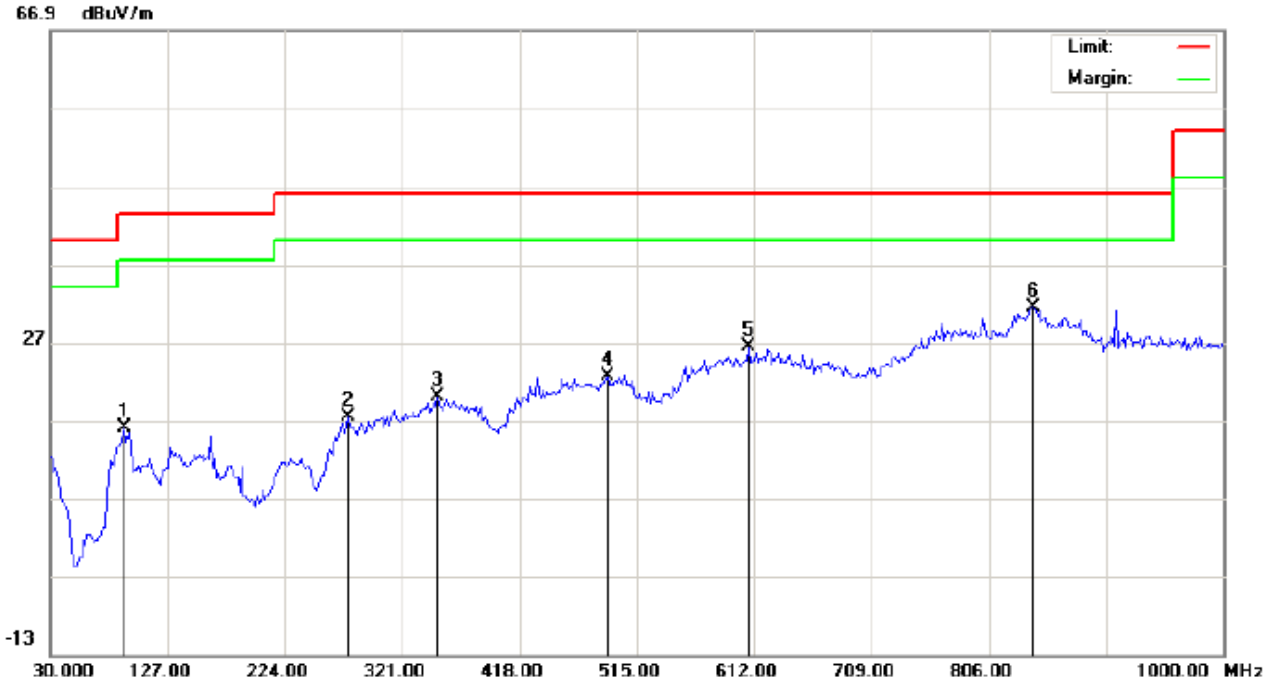


Site: site #1
Limit: FCC Class B 3M Radiation
EUT: wireless receiver
M/N: i5
Mode: Middle channel TX
Note:

Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		39.7000	11.72	7.76	19.48	40.00	-20.52	peak			
2		104.3667	8.13	9.00	17.13	43.50	-26.37	peak			
3		275.7333	10.09	16.35	26.44	46.00	-19.56	peak			
4		487.5167	6.25	22.15	28.40	46.00	-17.60	peak			
5		810.8500	1.70	28.11	29.81	46.00	-16.19	peak			
6	*	894.9167	6.82	26.98	33.80	46.00	-12.20	peak			

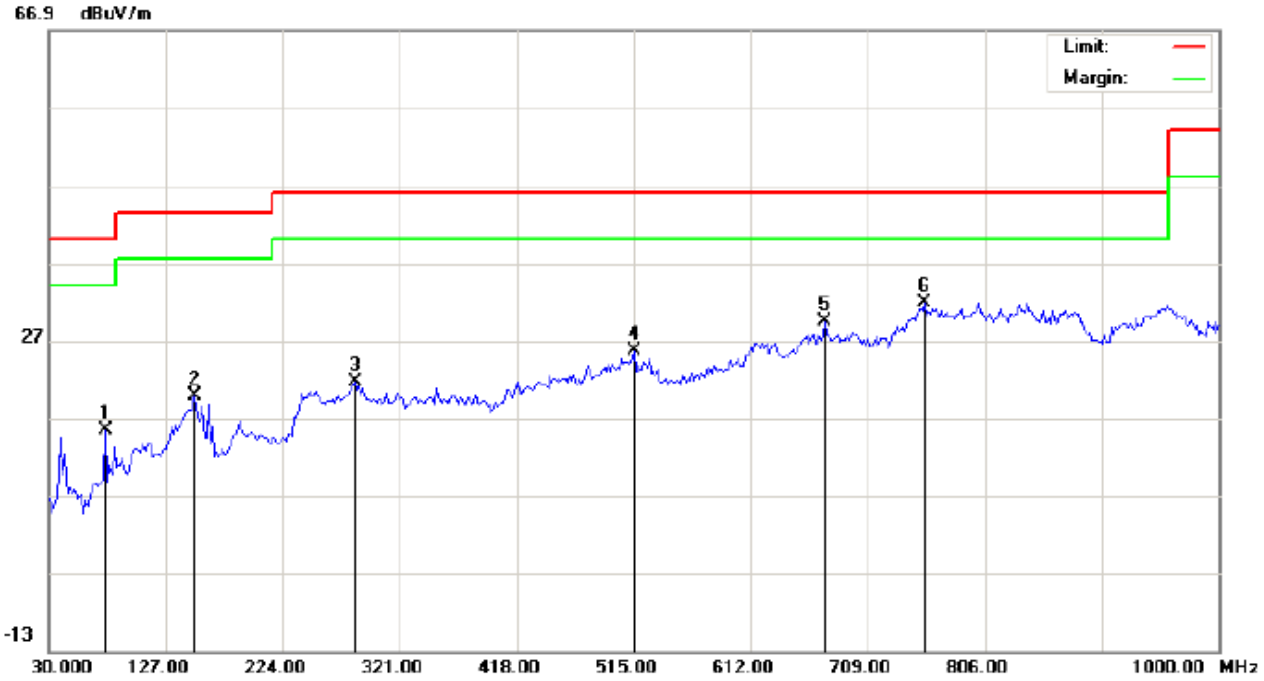


Site: site #1
Limit: FCC Class B 3M Radiation
EUT: wireless receiver
M/N: i5
Mode: High channel TX
Note:

Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		91.4333	-0.52	16.56	16.04	43.50	-27.46	peak			
2		275.7333	0.13	17.20	17.33	46.00	-28.67	peak			
3		350.1000	1.03	19.05	20.08	46.00	-25.92	peak			
4		490.7500	0.20	22.36	22.56	46.00	-23.44	peak			
5		607.1500	1.36	24.97	26.33	46.00	-19.67	peak			
6	*	843.1833	0.48	30.99	31.47	46.00	-14.53	peak			



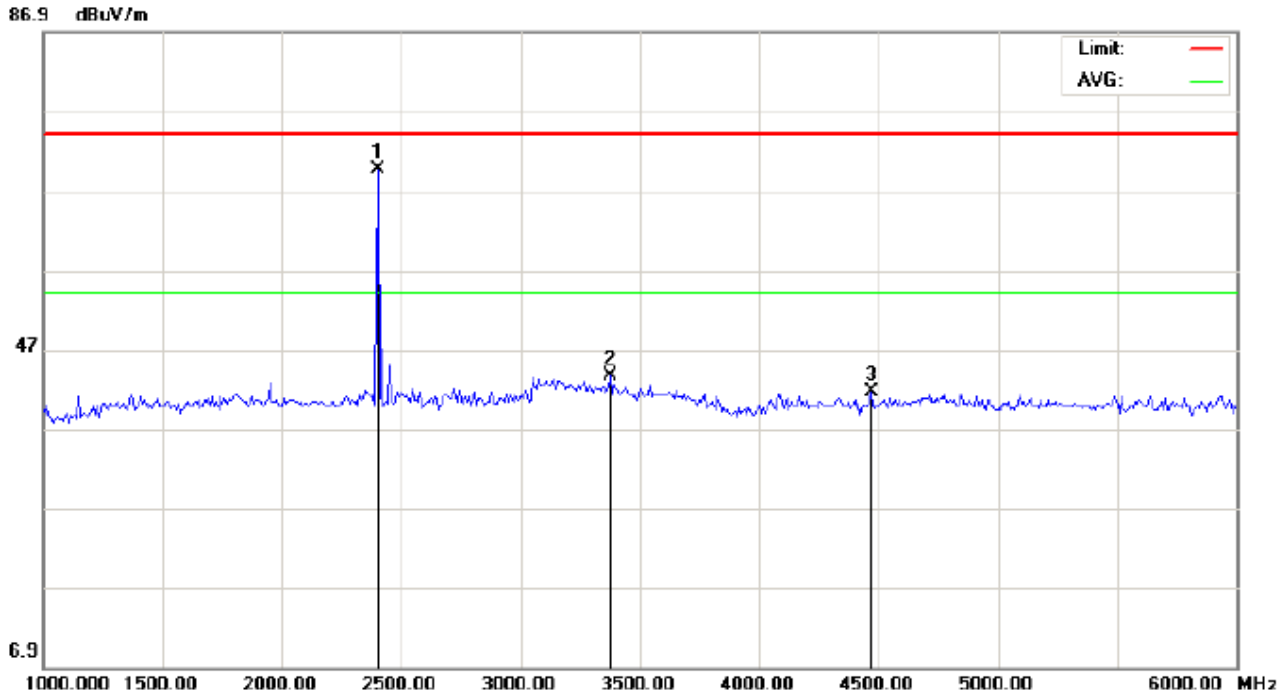
Site: site #1
Limit: FCC Class B 3M Radiation
EUT: wireless receiver
M/N: i5
Mode: High channel TX
Note:

Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk.	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		76.8833	9.69	5.64	15.33	40.00	-24.67	peak			
2		151.2500	6.09	13.67	19.76	43.50	-23.74	peak			
3		283.8167	4.37	17.16	21.53	46.00	-24.47	peak			
4		515.0000	2.45	23.21	25.66	46.00	-20.34	peak			
5		673.4333	3.54	25.82	29.36	46.00	-16.64	peak			
6	*	755.8833	4.18	27.53	31.71	46.00	-14.29	peak			

6.6.3TEST RESULT OF RADIATED EMISSION TEST



Site: site #1
Limit: FCC Class B 3M Radiation above 1GHZ(PK)
EUT: wireless receiver
M/N: i5
Mode: Low channel TX
Note:

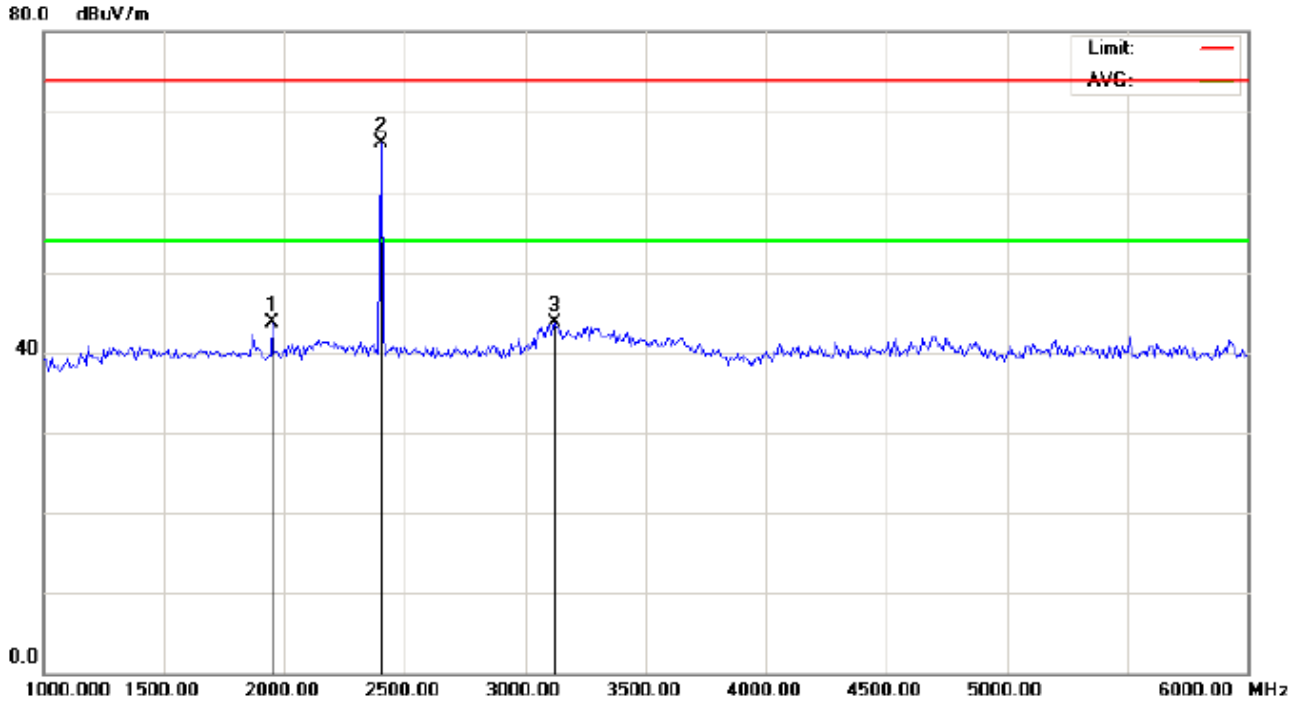
Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2400.000	69.55	0.00	69.55	74.00	-4.45	peak			
2		3375.000	43.69	0.00	43.69	74.00	-30.31	peak			
3		4466.667	41.56	0.00	41.56	74.00	-32.44	peak			

Note：Marker 1 the Low channel Average result is 45.23dBuV/m.

6~25GHz at least have 20dB margin. No recording in the test report.



Site: site #1
Limit: FCC Class B 3M Radiation above 1GHZ(PK)
EUT: wireless receiver
M/N: i5
Mode: Low channel TX
Note:

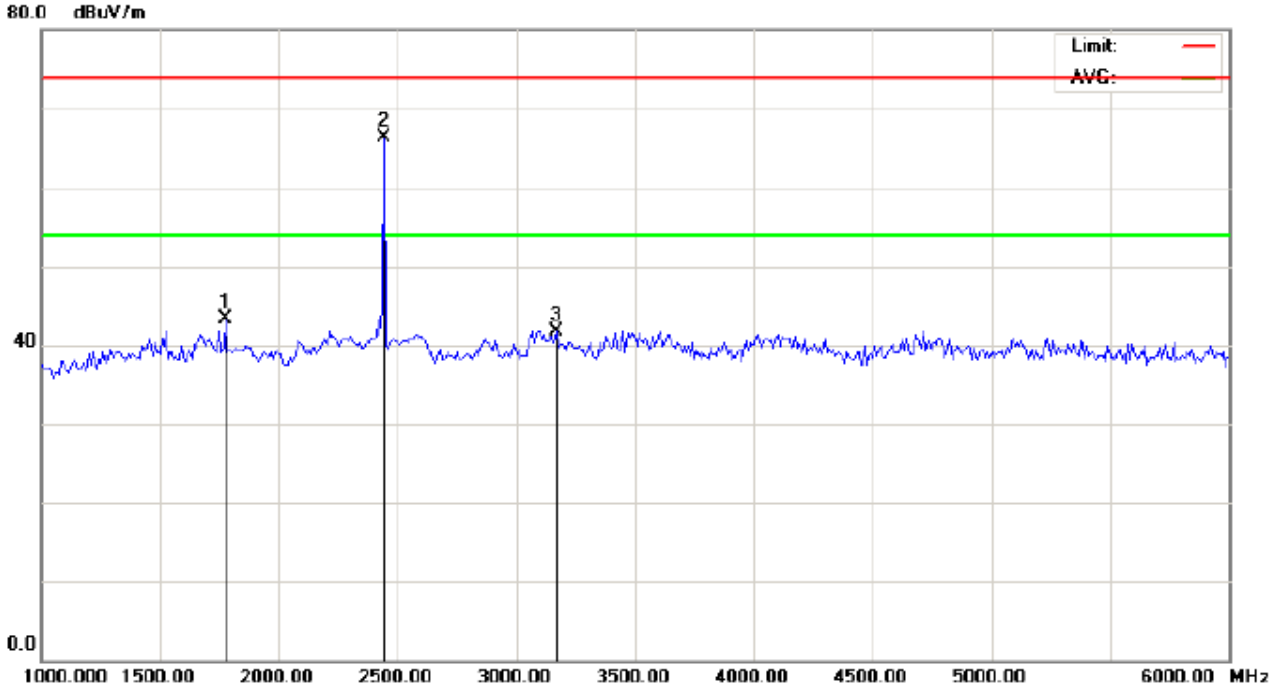
Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		1950.000	43.73	0.00	43.73	74.00	-30.27	peak			
2	*	2400.000	66.02	0.00	66.02	74.00	-7.98	peak			
3		3125.000	43.76	0.00	43.76	74.00	-30.24	peak			

Note：Marker 2 the Low channel Average result is 43.81dBuV/m.

6~25GHz at least have 20dB margin. No recording in the test report.



Site: site #1
Limit: FCC Class B 3M Radiation above 1GHZ(PK)
EUT: wireless receiver
M/N: i5
Mode: Middle channel TX
Note:

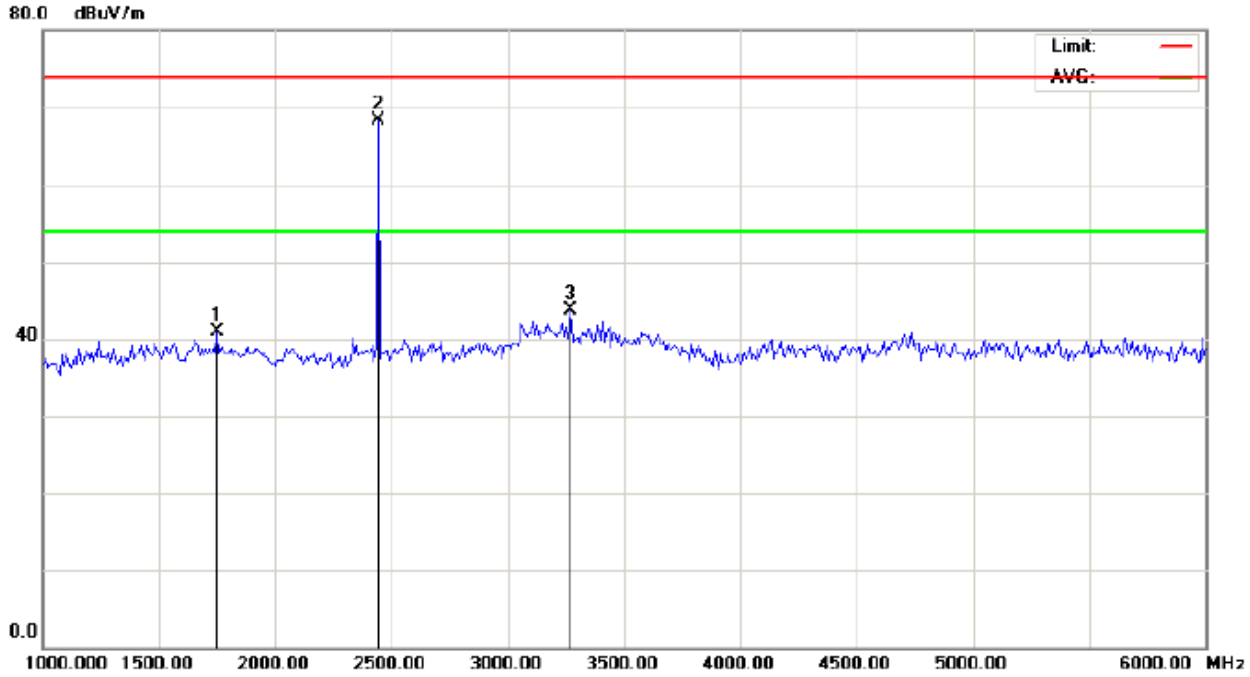
Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk.	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		1775.000	43.28	0.00	43.28	74.00	-30.72	peak			
2	*	2441.667	66.34	0.00	66.34	74.00	-7.66	peak			
3		3166.667	41.75	0.00	41.75	74.00	-32.25	peak			

Note：Marker 2 the Middle channel Average result is 44.12dBuV/m.

6~25GHz at least have 20dB margin. No recording in the test report.



Site: site #1
Limit: FCC Class B 3M Radiation above 1GHZ(PK)
EUT: wireless receiver
M/N: i5
Mode: Middle channel TX
Note:

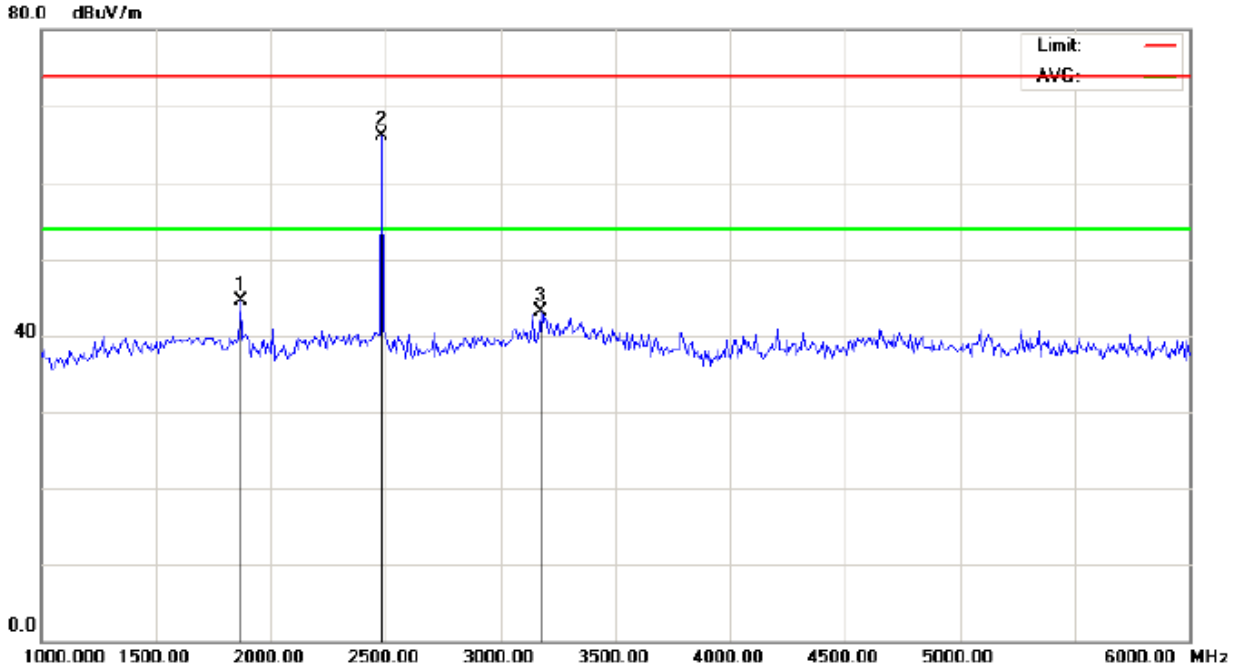
Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		1750.000	40.92	0.00	40.92	74.00	-33.08	peak			
2	*	2441.667	68.27	0.00	68.27	74.00	-5.73	peak			
3		3266.667	43.74	0.00	43.74	74.00	-30.26	peak			

Note：Marker 2 the Middle channel Average result is 45.01dBuV/m.

6~25GHz at least have 20dB margin. No recording in the test report.



Site: site #1
Limit: FCC Class B 3M Radiation above 1GHZ(PK)
EUT: wireless receiver
M/N: i5
Mode: High channel TX
Note:

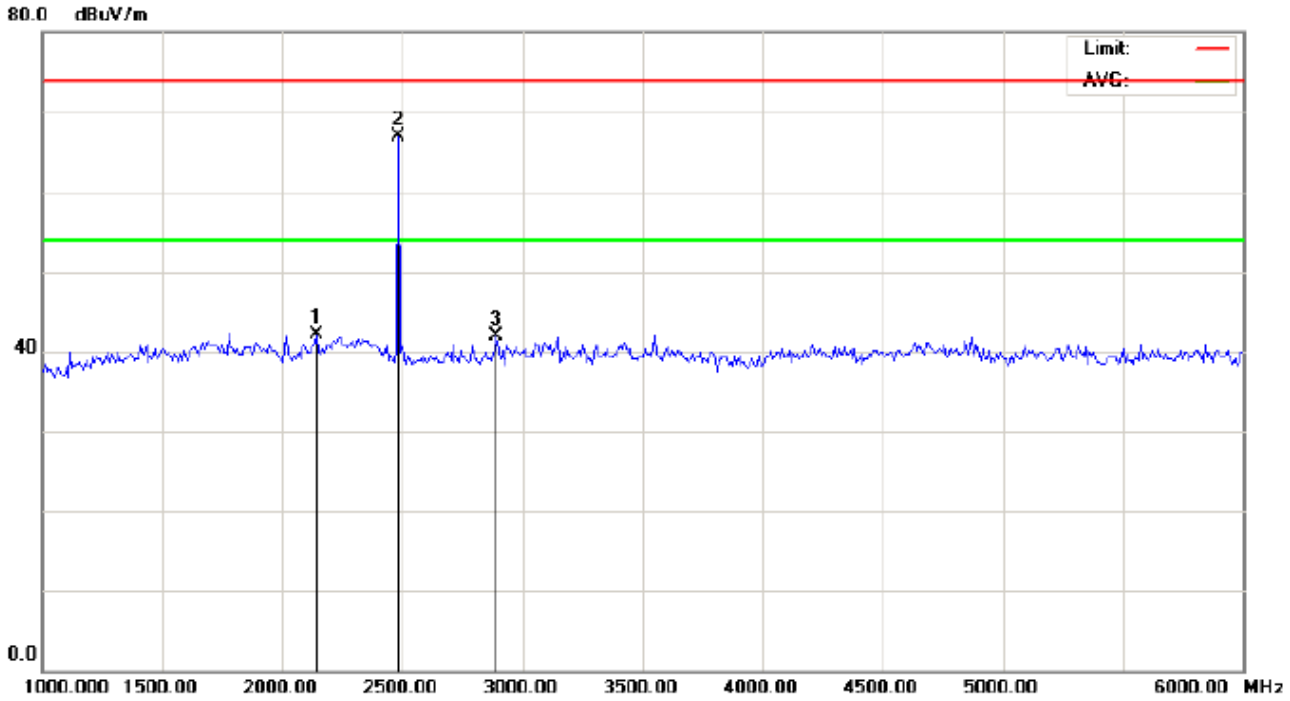
Polarization: *Horizontal*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk.	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		1866.667	44.41	0.00	44.41	74.00	-29.59	peak			
2	*	2483.333	66.05	0.00	66.05	74.00	-7.95	peak			
3		3175.000	43.05	0.00	43.05	74.00	-30.95	peak			

Note：Marker 2 the High channel Average result is 43.98dBuV/m.

6~25GHz at least have 20dB margin. No recording in the test report.



Site: site #1
Limit: FCC Class B 3M Radiation above 1GHZ(PK)
EUT: wireless receiver
M/N: i5
Mode: High channel TX
Note:

Polarization: *Vertical*
Power:
Distance: 3m

Temperature: 26
Humidity: 60 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2141.667	42.11	0.00	42.11	74.00	-31.89	peak			
2	*	2483.333	66.98	0.00	66.98	74.00	-7.02	peak			
3		2891.667	41.83	0.00	41.83	74.00	-32.17	peak			

Note：Marker 2 the High channel Average result is 44.86dBuV/m.

6~25GHz at least have 20dB margin. No recording in the test report.

7. §15.249 EMISSION BANDWIDTH

7.1. STANDARD APPLICABLE

Note; for reporting purposes only.

7.2. TEST EQUIPMENT LIST AND DETAILS

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
PSA SERIES SPECTRUM ANALYZER	AGILENT	E4440A	US41421290	07/18/2012	07/17/2013
RECEIVER ANTENNA	ETS	2175	57337	07/18/2012	07/17/2013
COAXIAL CABLE	ETS	SUCOFLEX 104	25498514	07/18/2012	07/17/2013

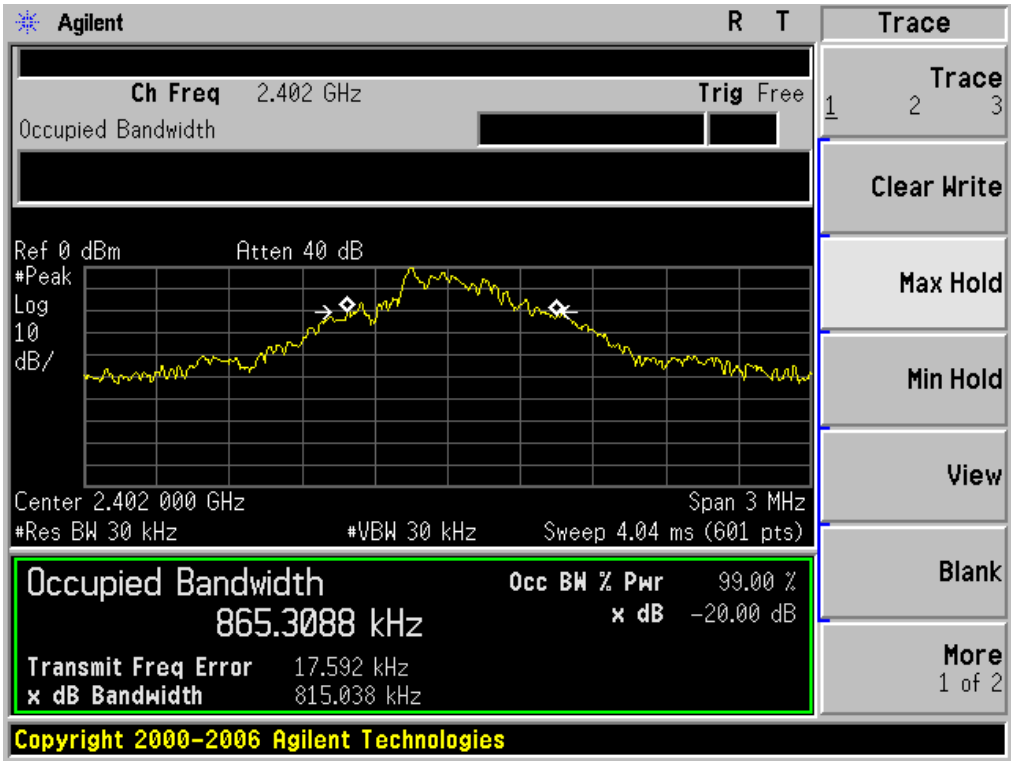
7.3. TEST PROCEDURE

With the EUT's antenna attached, the EUT's 20dB Bandwidth power was received by the test antenna, which was connected to the spectrum analyzer with the START, and STOP frequencies set to the EUT's operation band.

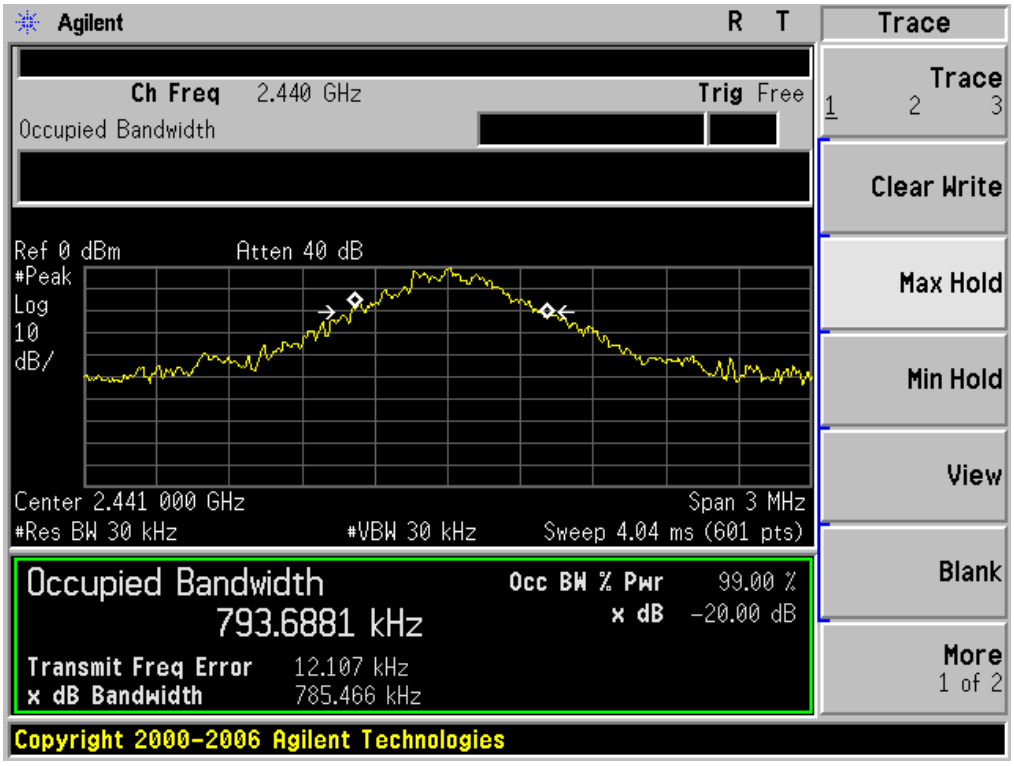
7.4. SUMMARY OF TEST RESULTS/PLOTS

Channel	Emission Bandwidth (KHz)	Limit (KHz)
Low	815.038	N/A
Middle	785.466	
High	813.820	

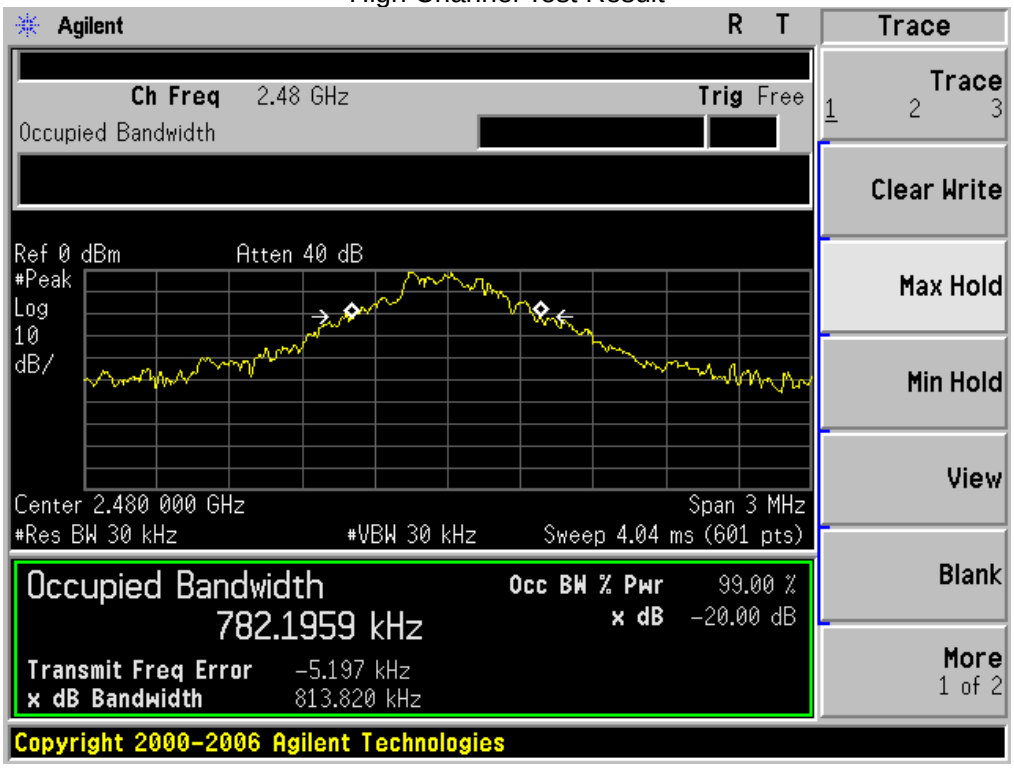
Low Channel Test Result



Middle Channel Test Result



High Channel Test Result



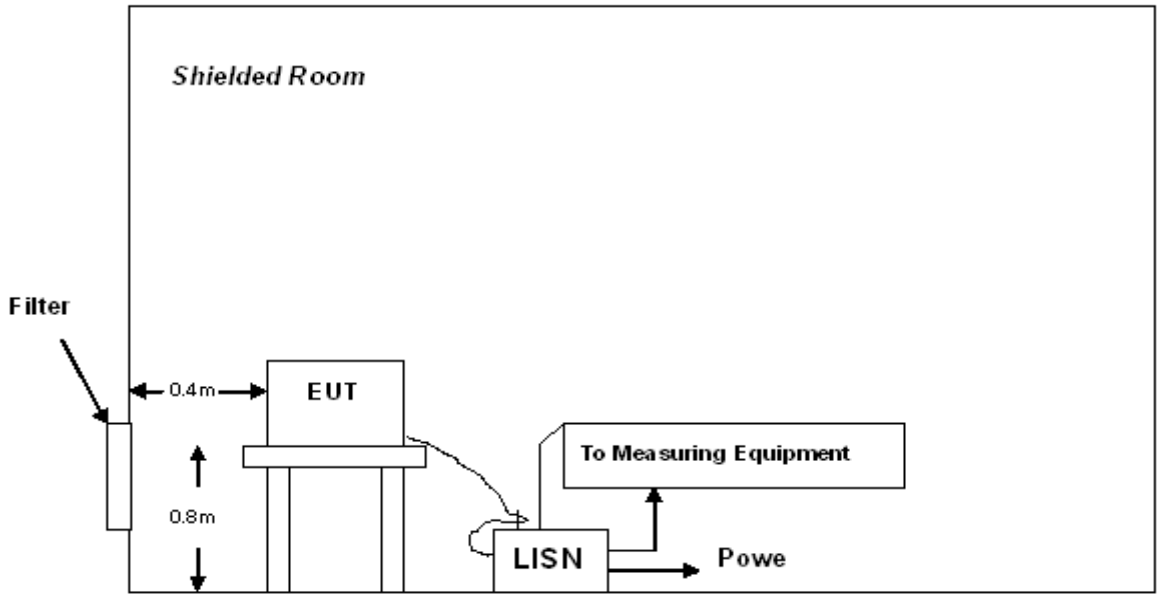
8 FCC LINE CONDUCTED EMISSION TEST

8.1 LIMITS

Frequency	Maximum RF Line Voltage	
	Q.P.(dBuV)	Average(dBuV)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

**Note: 1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

8.2 TEST SETUP



A: Powered through filter

8.3 PRELIMINARY PROCEDURE

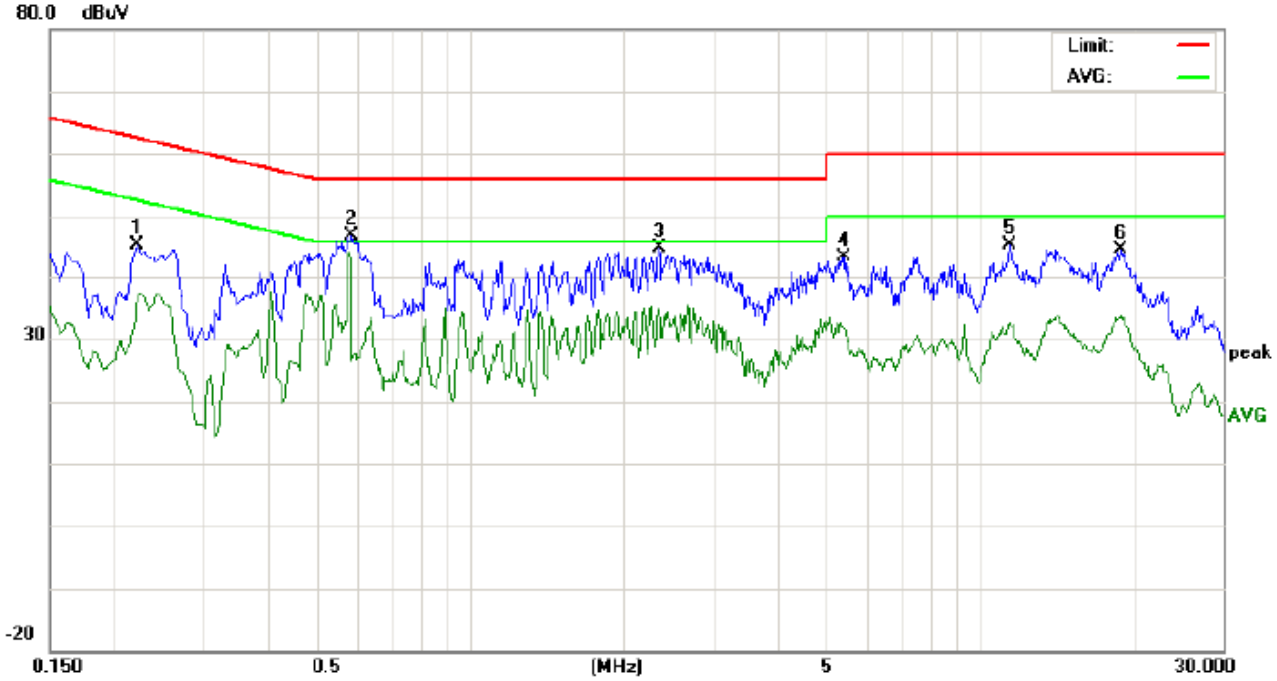
1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2) Support equipment, if needed, was placed as per ANSI C63.4.
3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
4) All support equipments received AC120V/60Hz power from a LISN, if any.
5) The EUT received power by adapter which received power by a LISN.
6) The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7) Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8) During the above scans, the emissions were maximized by cable manipulation.
9) The following test mode(s) were scanned during the preliminary test.
   Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

8.4 FINAL TEST PROCEDURE

10) EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
11) 2) A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
12) 3) The test data of the worst case condition(s) was reported on the Summary Data page.

8.5 TEST RESULT OF POWER LINE

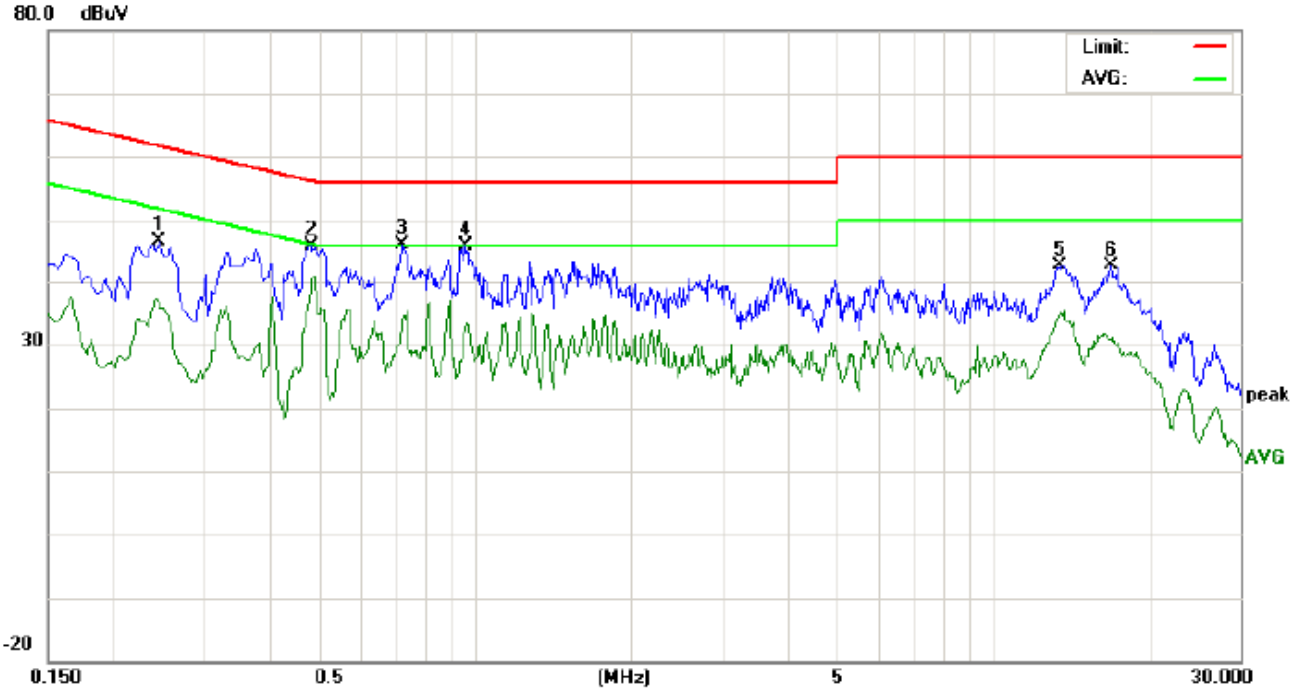
Line Conducted Emission Test Line 1-L



Site: Conduction
Phase: *L1*
Temperature: 26
Limit: FCC Class B Conduction(QP)
Power:
Humidity: 60 %
EUT: wireless receiver
M/N: i5
Mode: Normal Hopping
Note:

No.	Freq. (MHz)	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG	dB	Peak	QP	AVG	QP	AVG	QP	AVG		
1	0.2220	35.10		26.65	10.24	45.34		36.89	62.74	52.74	-17.40	-15.85	P	
2	0.5860	36.45		16.27	10.32	46.77		26.59	56.00	46.00	-9.23	-19.41	P	
3	2.3540	34.52		24.62	10.37	44.89		34.99	56.00	46.00	-11.11	-11.01	P	
4	5.4300	33.18		21.49	10.25	43.43		31.74	60.00	50.00	-16.57	-18.26	P	
5	11.4580	35.24		22.48	10.12	45.36		32.60	60.00	50.00	-14.64	-17.40	P	
6	18.9700	34.62		23.83	10.12	44.74		33.95	60.00	50.00	-15.26	-16.05	P	

Line Conducted Emission Test Line 1-N



Site: Conduction
Limit: FCC Class B Conduction(QP)
EUT: wireless receiver
M/N: i5
Mode: Normal Hopping
Note:

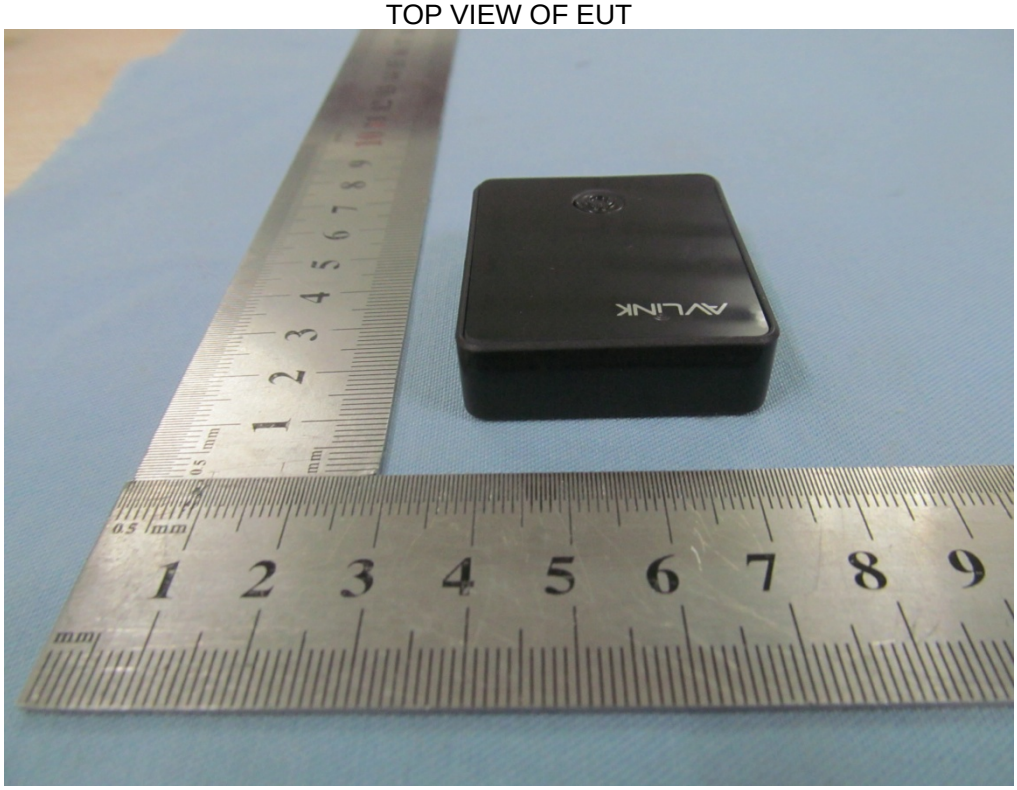
Phase: N
Power:

Temperature: 26
Humidity: 60 %

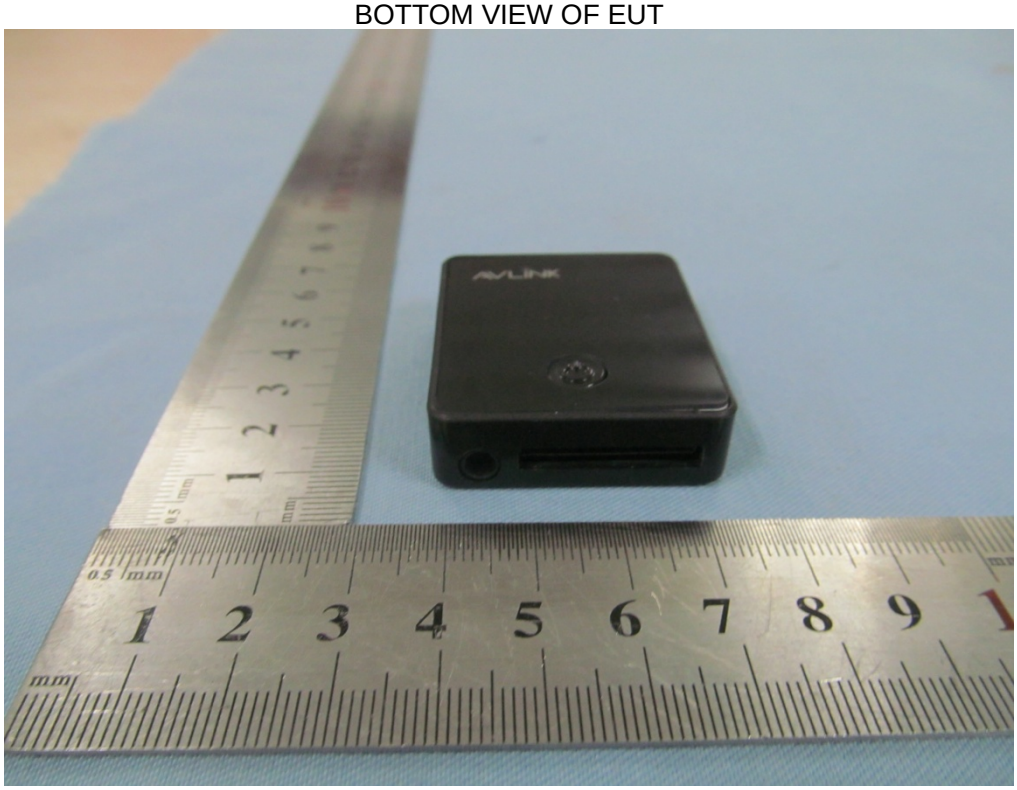
No.	Freq. (MHz)	Reading_Level (dBuV)			Correct Factor	Measurement (dBuV)			Limit (dBuV)		Margin (dB)		P/F	Comment
		Peak	QP	AVG	dB	Peak	QP	AVG	QP	AVG	QP	AVG		
1	0.2460	36.46		25.55	10.27	46.73		35.82	61.89	51.89	-15.16	-16.07	P	
2	0.4820	35.61		28.88	10.39	46.00		39.27	56.30	46.30	-10.30	-7.03	P	
3	0.7260	35.68		23.55	10.33	46.01		33.88	56.00	46.00	-9.99	-12.12	P	
4	0.9620	35.50		22.20	10.39	45.89		32.59	56.00	46.00	-10.11	-13.41	P	
5	13.5260	32.56		24.74	10.13	42.69		34.87	60.00	50.00	-17.31	-15.13	P	
6	16.8540	32.47		20.70	10.13	42.60		30.83	60.00	50.00	-17.40	-19.17	P	

APPENDIX I
PHOTOGRAPHS OF THE EUT

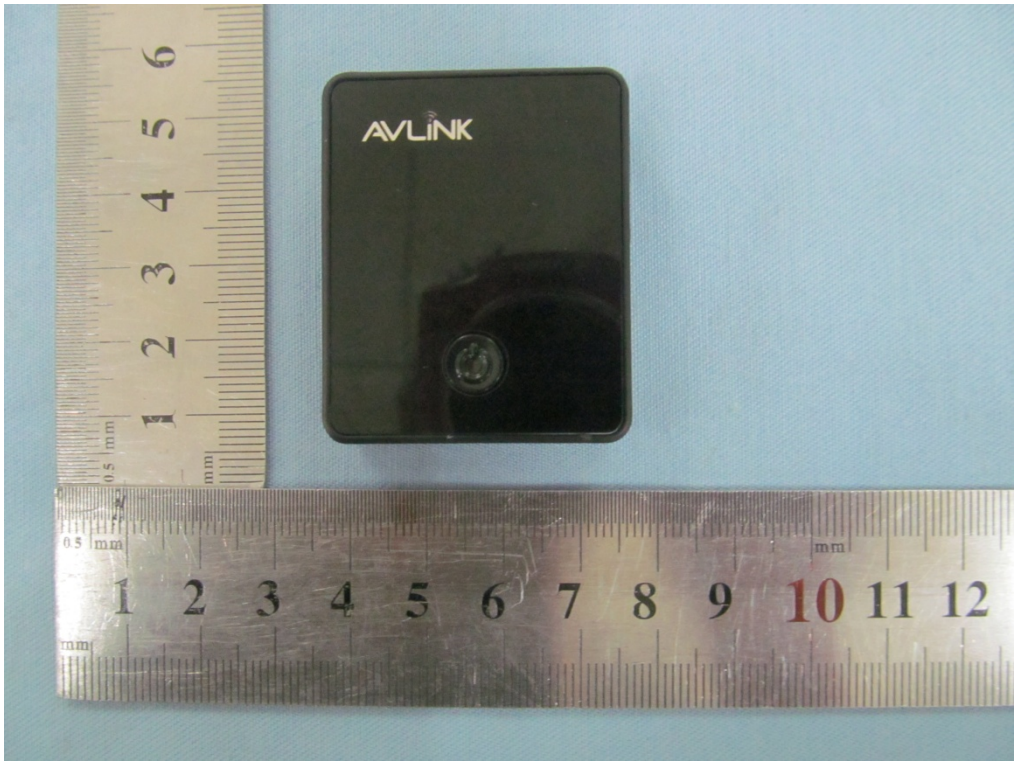
TOP VIEW OF EUT



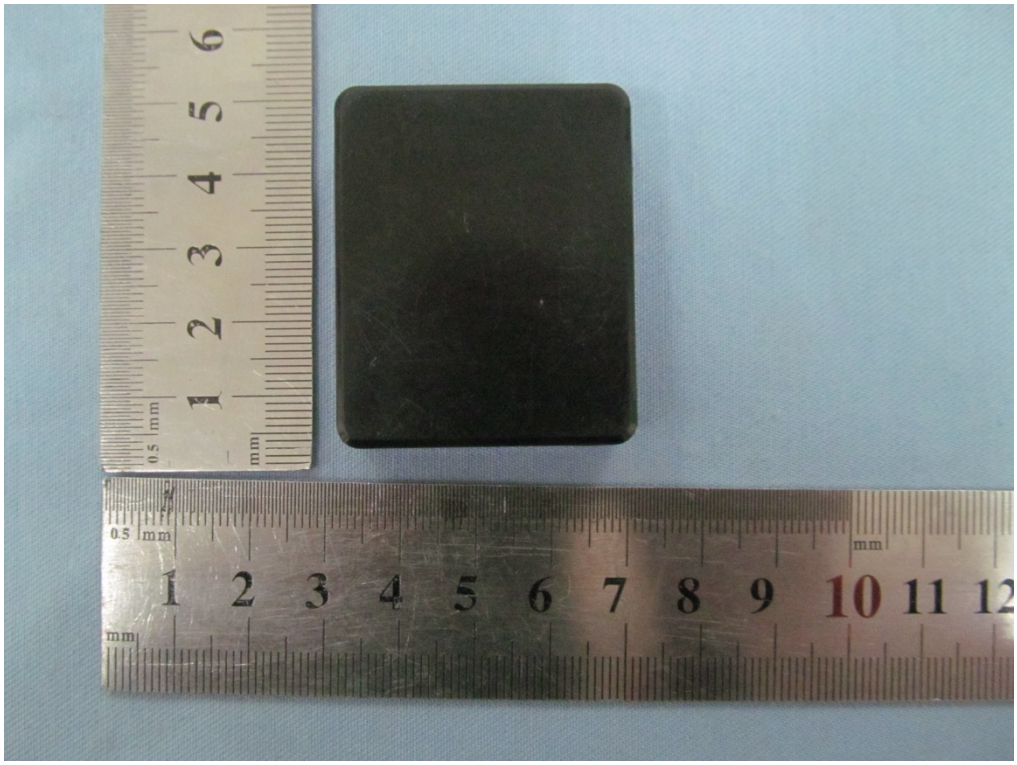
BOTTOM VIEW OF EUT



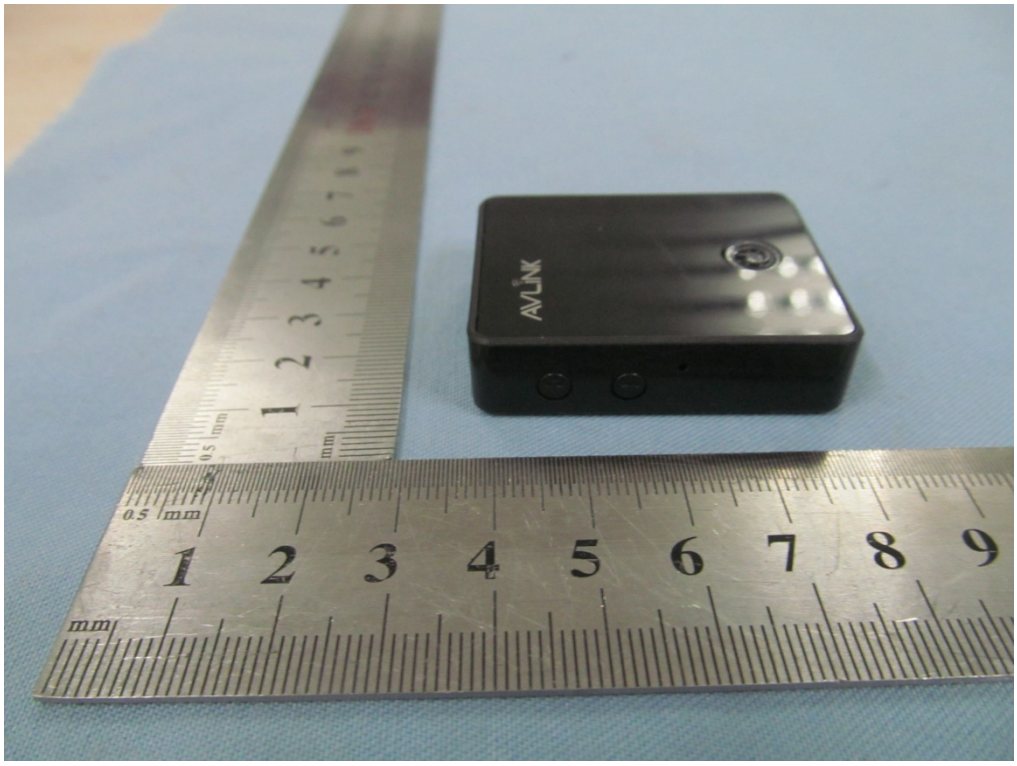
FRONT VIEW OF EUT



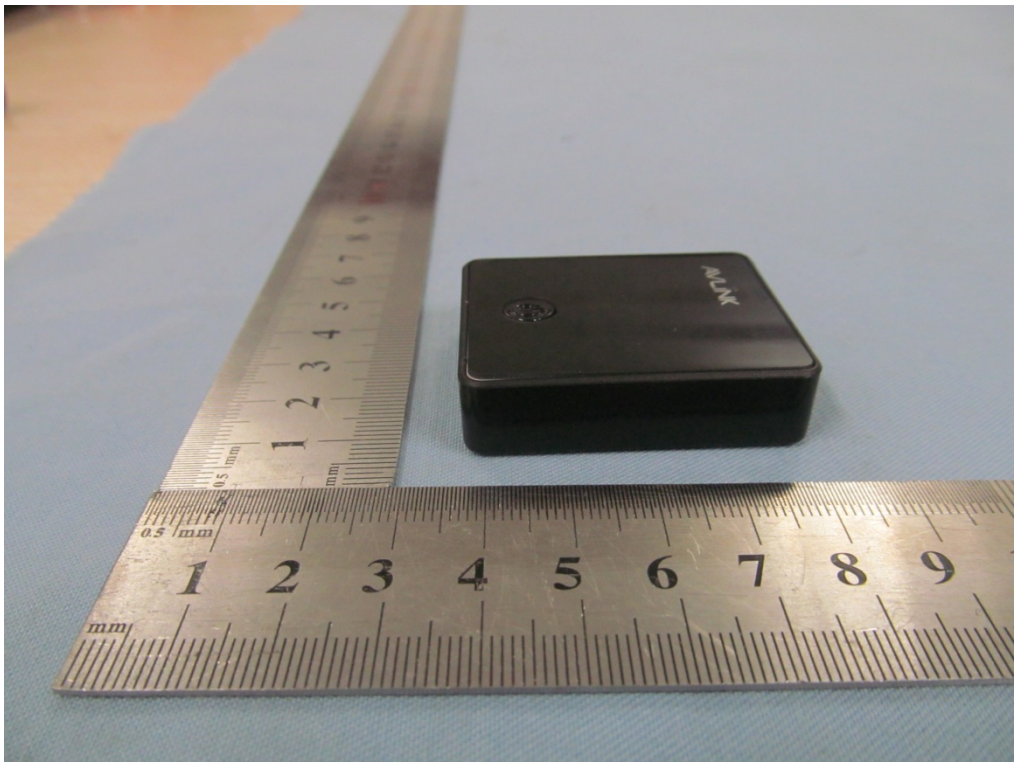
BACK VIEW OF EUT



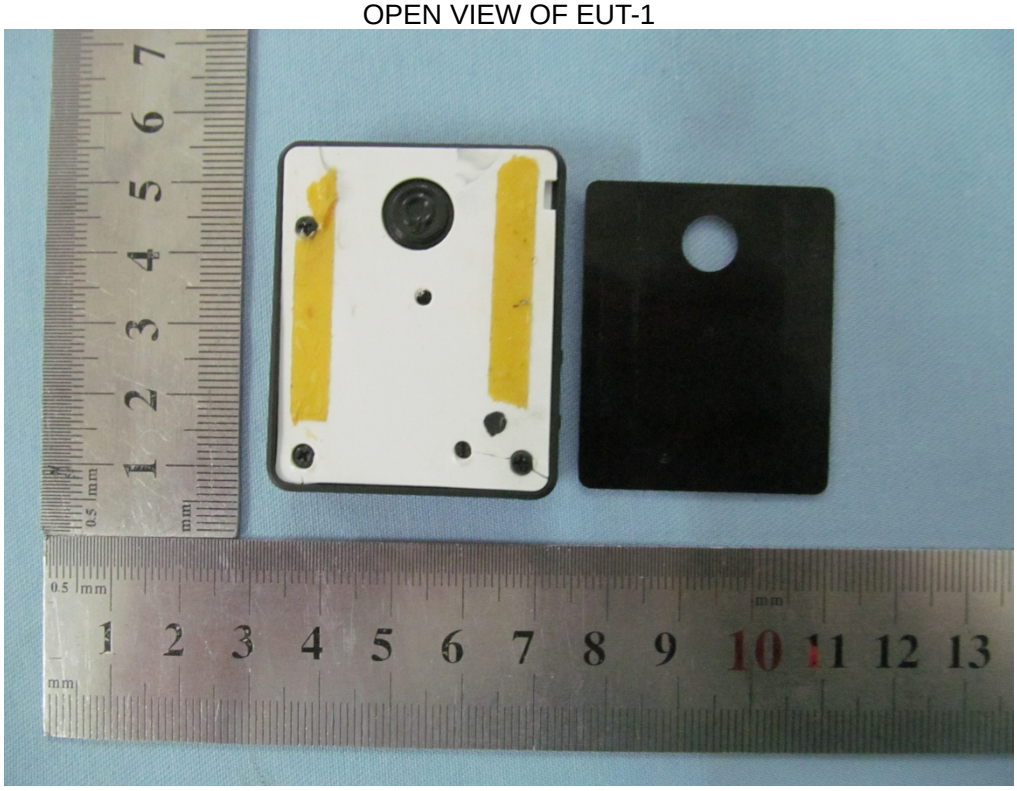
LEFT VIEW OF EUT



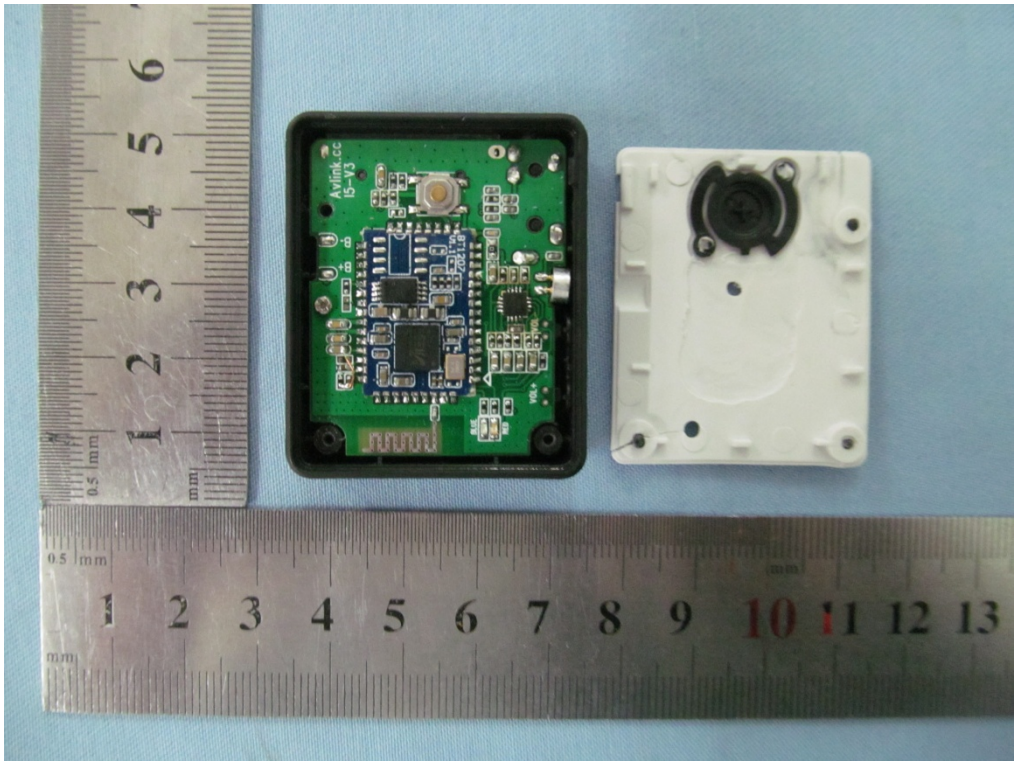
RIGHT VIEW OF EUT



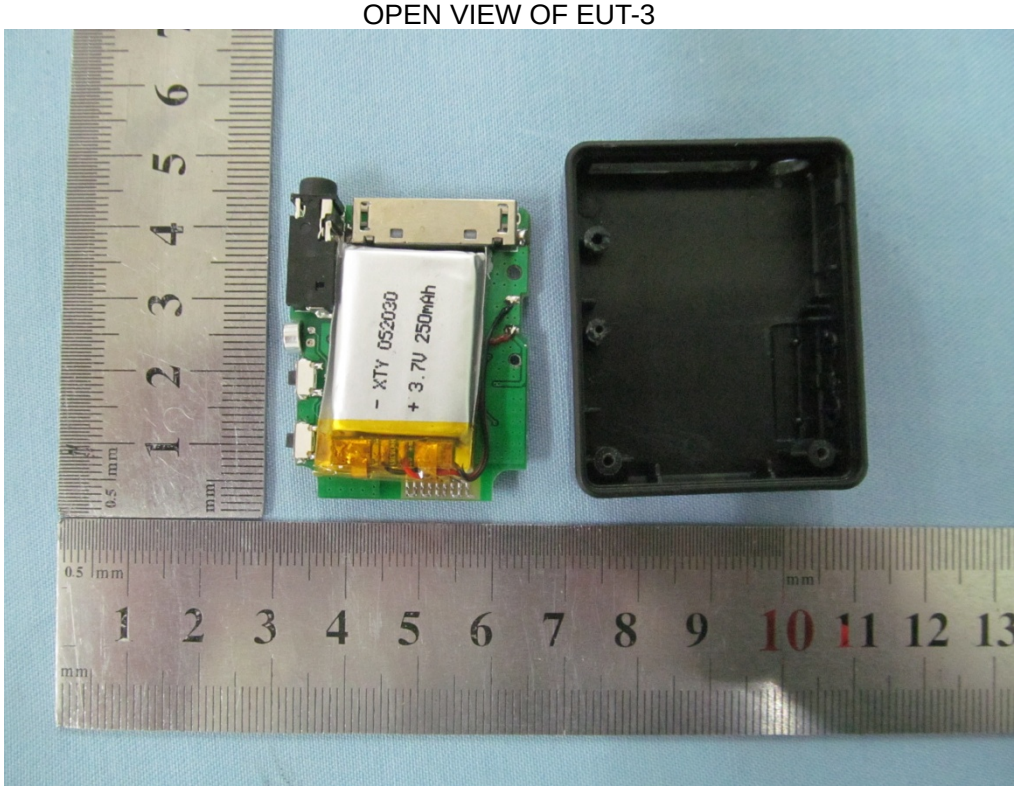
OPEN VIEW OF EUT-1



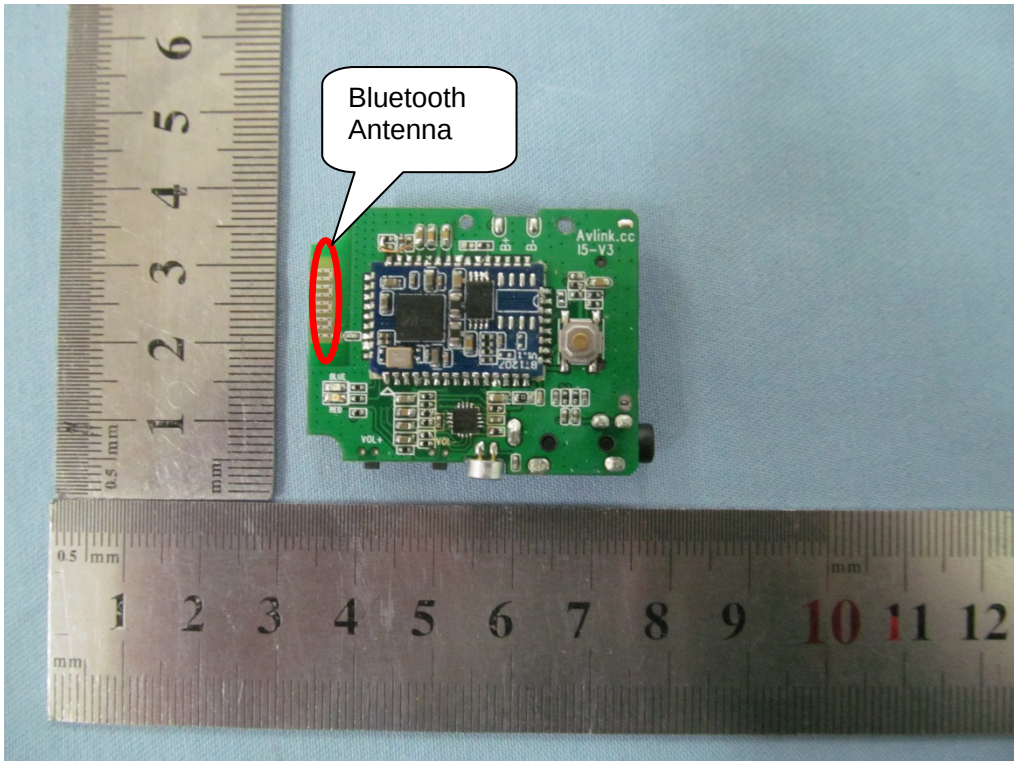
OPEN VIEW OF EUT-2



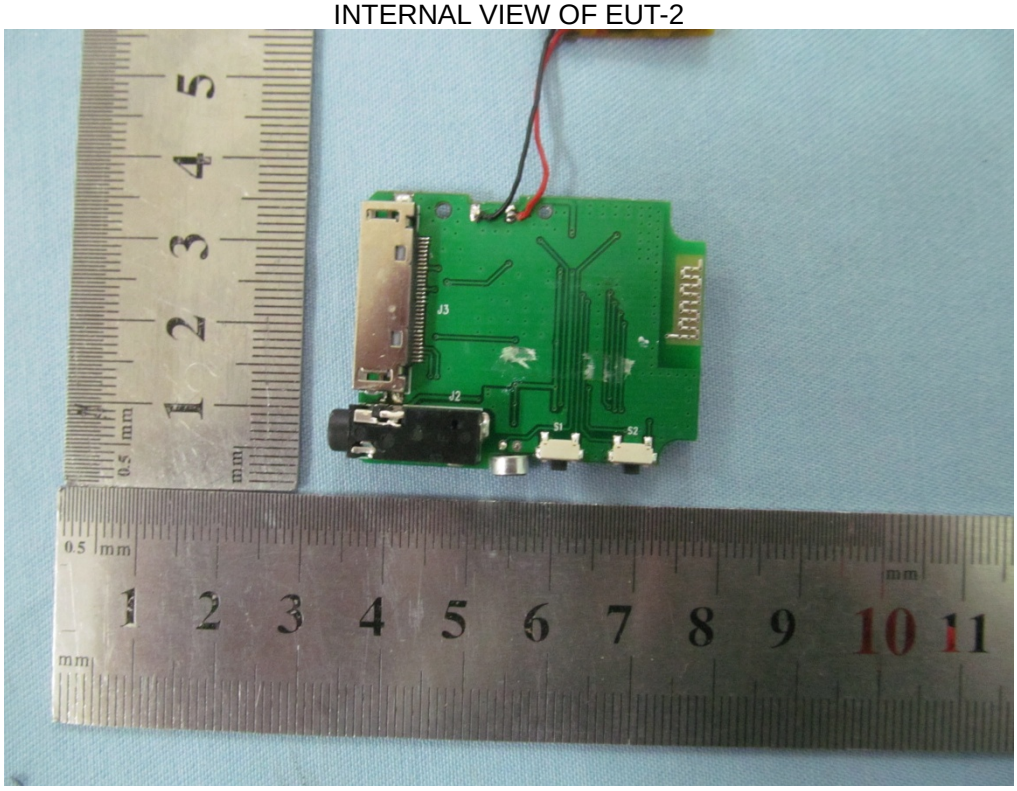
OPEN VIEW OF EUT-3



INTERNAL VIEW OF EUT-1



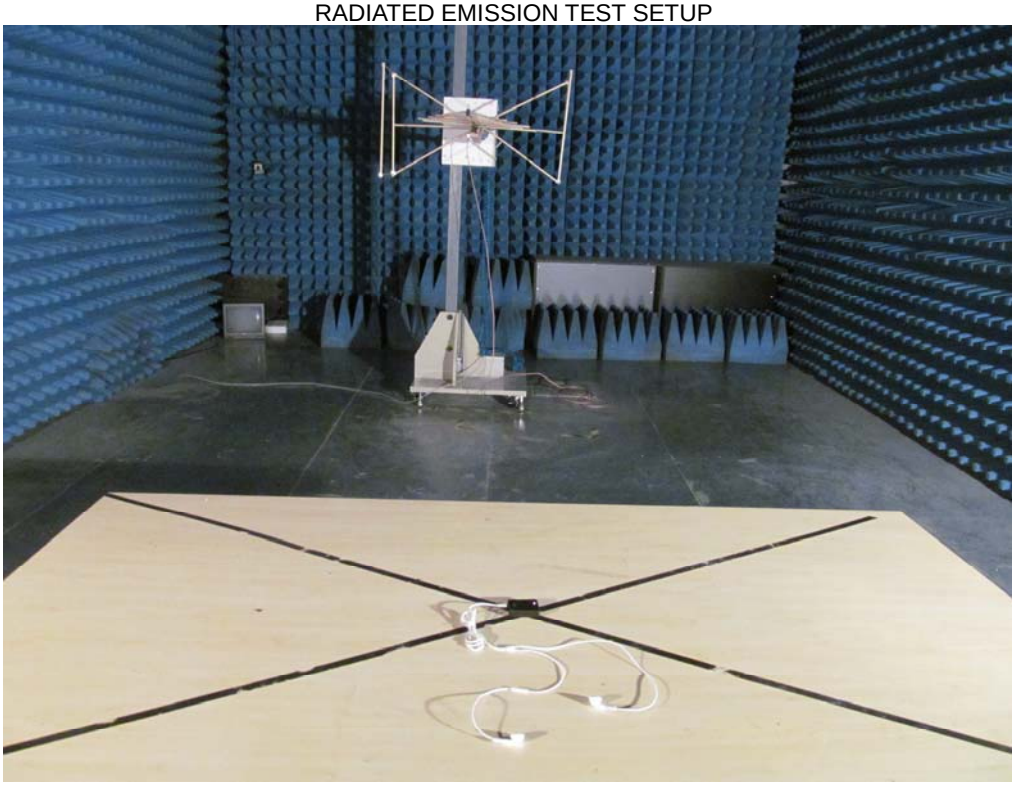
INTERNAL VIEW OF EUT-2

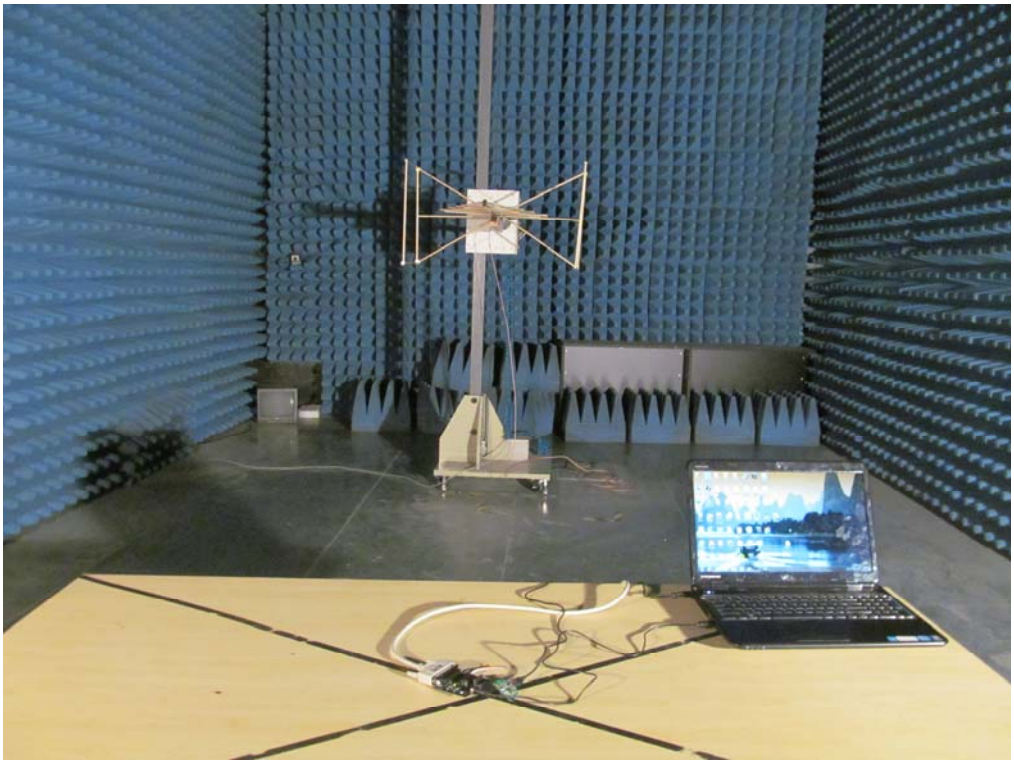


APPENDIX II
PHOTOGRAPHS OF THE TEST SETUP

LINE COMDUCTED EMISSION TEST SETUP

RADIATED EMISSION TEST SETUP





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