
FCC Test Report

Report No.: AGC00B120903-1F2B

FCC ID : NW75005T

PRODUCT DESIGNATION : Remote Kit/Remote PODZ/Remote Controller

BRAND NAME : iON

TEST MODEL : 5005(Transmitter), 5016

CLIENT : World Wide Licenses Ltd.

DATE OF ISSUE : Oct.26, 2012

STANDARD(S) : FCC Part 15 Rules

Attestation of *Global Compliance* (Shenzhen) Co., Ltd.

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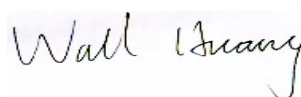
1. VERIFICATION OF COMPLIANCE

Applicant:	World Wide Licenses Ltd.
Applicant Address:	14F Hong Kong Pacific Centre 28 Hankow Road, Tsimshatsui, Kowloon, Hong Kong
Manufacturer:	SKY LIGHT Electronic (ShenZhen) Limited
Manufacturer Address:	No. 6 Building, JinBi Industrial Area, Huang Tian, BaoAn, Shenzhen, China.
Product Description:	Remote Kit/Remote PODZ/Remote Controller
Brand Name:	iON
Model Name:	5005(Transmitter), 5016
Model Difference:	All the same except for the model name and the main test model is 5005(Transmitter).
FCC ID:	NW75005T
Report Number:	AGC00B120903-1F2B
Date of Test:	Oct. 21 to Oct. 24, 2012

WE HEREBY CERTIFY THAT:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) 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 :



Wall Huang Oct. 26, 2012

Review By :



Forrest Lei Oct. 26, 2012

Approved By:



Solger Zhang Oct. 26, 2012

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)

Operation Frequency	2.405 GHz to 2.480GHz
Maximum Output Power	5.188dBm
Modulation	DSSS
Number of channels	16
Hardware Version	EP-SVA73MB-03
Antenna Designation	Integrated Antenna
Antenna Gain	0dBi
Power Supply	DC 3.0 V by button cell

2.2. 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.

2.3. RELATED SUBMITTAL(S)/GRANT(S)

This submittal(s) (test report) is intended for **FCC ID: NW75005T** filing to comply with Section 15.249 of the FCC Part 15, Subpart C Rules.

2.4. TEST 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.

2.5. TEST FACILITY

All measurement facilities used to collect the measurement data are located at

Attestation of Global Compliance (Shenzhen) Co., Ltd.

2/F., Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China

The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2003.

FCC register No.: 259865

2.6. ACCESSORIES EQUIPMENT LIST AND DETAILS

Device Type	Manufacturer	Model Name	Serial No.	Data Cable	Power Cable
Notebook	Dell	--	--	1.5m, unshielded	1.5m, unshielded
Control Panel	iON	--	--	1.0m, unshielded	--

2.7. EUT PORT&CABLE LIST AND DETAILS

I/O Port Type	Q'TY	Cable	Tested with
--	--	--	--

3. SUMMARY OF TEST RESULTS

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

NOTE:

1. N/A- Not Applicable.

4. TEST MODES

No.	TEST MODES
1	2405MHZ TX
2	2440MHZ TX
3	2480MHZ TX
Note: Above 3 modes have performed at maximum emission conditions.3 axis have been tested and only the worst mode data recorded in the test report.	

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

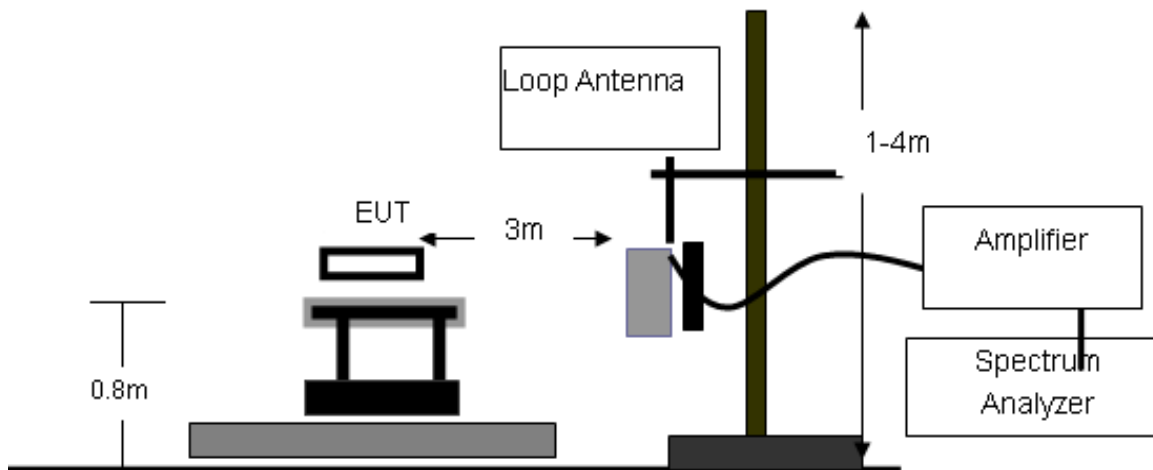
Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
PSA SERIES SPECTRUM ANALYZER	AGILENT	E4440A	US41421290	07/18/2012	07/17/2013
BICONICAL ANTENNA	A.H.	SAS-521-4	128	07/18/2012	07/17/2013
LOOP ANTENNA	R&S	HM525	N/A	07/18/2012	07/17/2013
HORN ANTENNA	EM	EM-AH-10180	N/A	07/18/2012	07/17/2013
AMPLIFIER	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

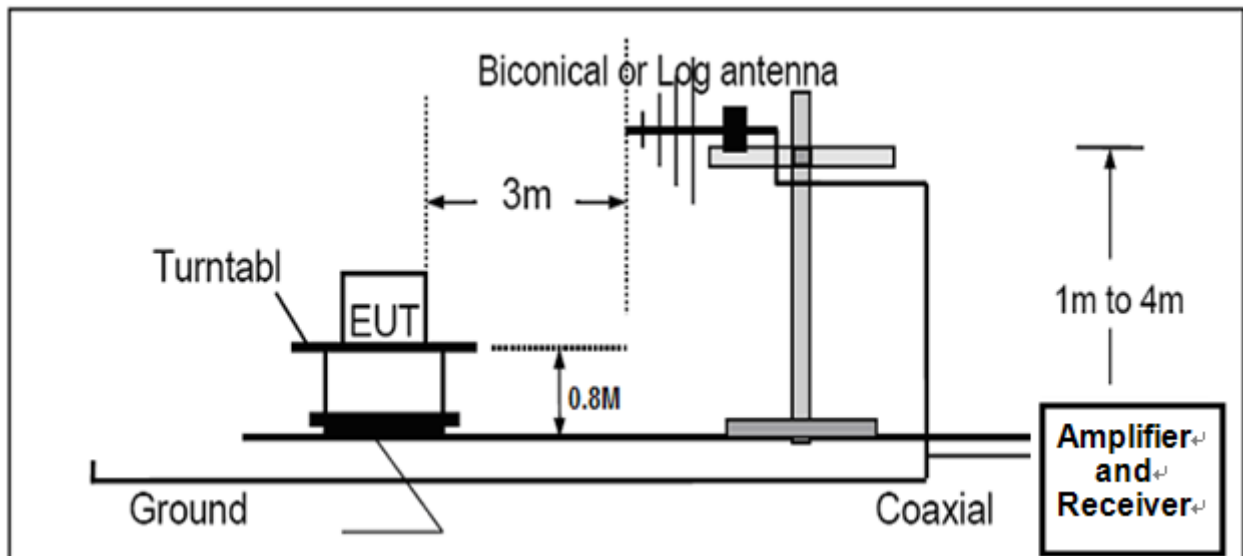
The setup of EUT is according with per ANSI C63.4-2003 measurement procedure. The specification used was with the FCC Part 15.249 and FCC Part 15.209 Limit.

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

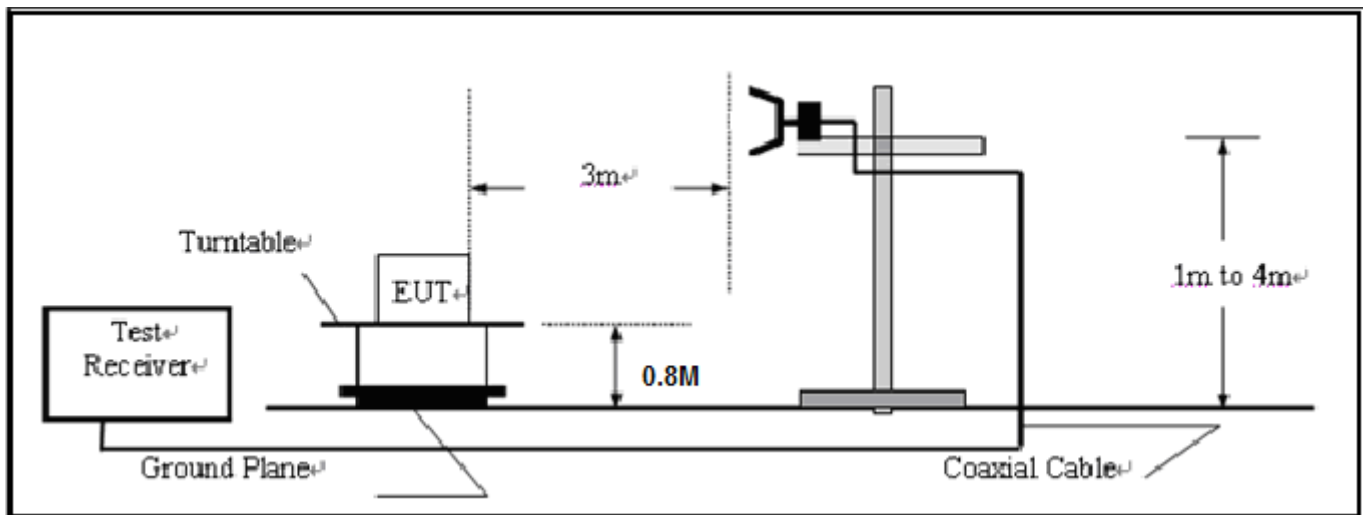
BELOW 30MHz:



30MHz-1000MHz:



ABOVE 1000MHz:



6.6. TEST RESULTS

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

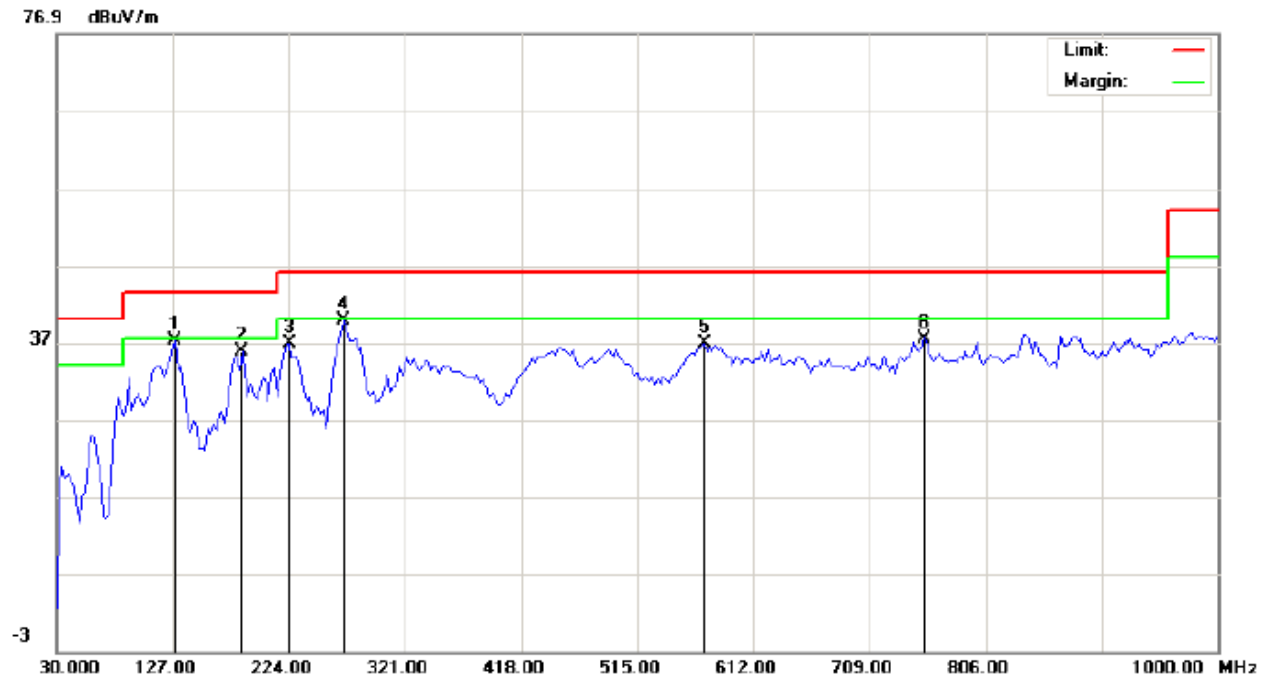
Freq. (MHz)	Level (dB uV)	Over Limit (dB)	Limit Line (dB uV)	Remark
--	--	--	--	Seen to Note

****Note:**

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

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

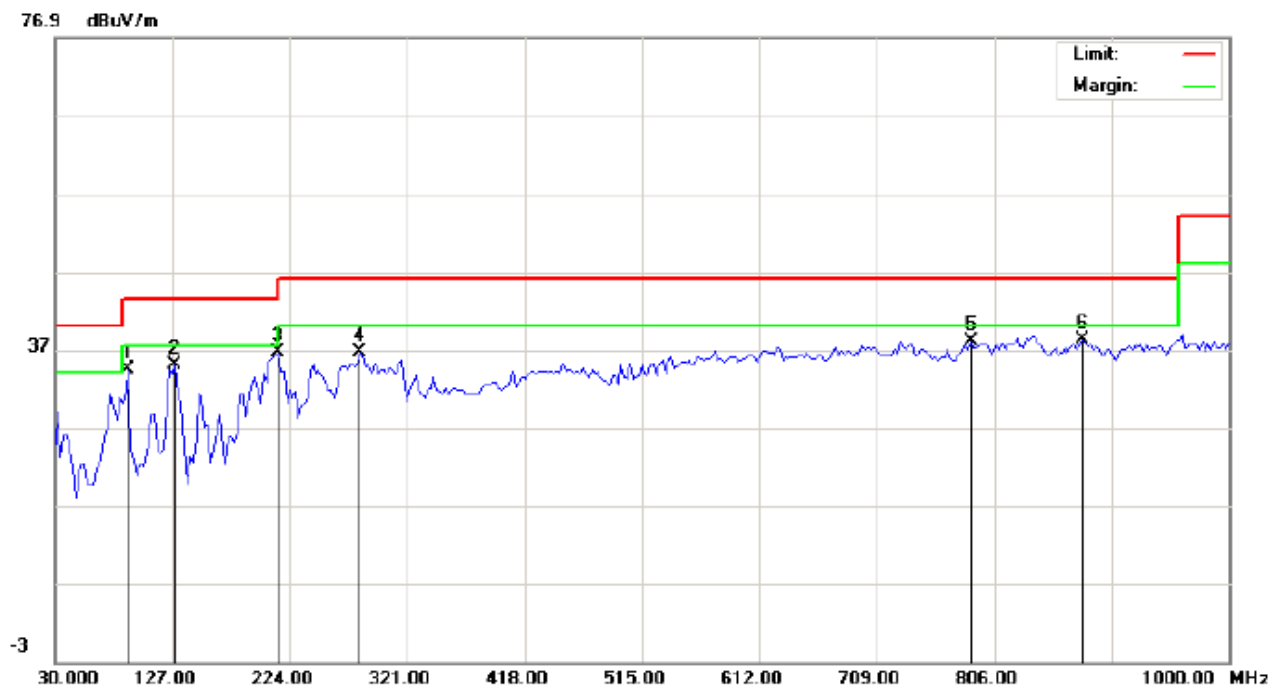
The Result of Line Radiated Emission Test-Horizontal (Low Channel)



Site: site #1 Polarization: *Horizontal* Temperature: 26
Limit: FCC Class B 3M Radiation Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: Low Channel TX
Note:

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	*	129.4250	23.10	14.18	37.28	43.50	-6.22	peak			
2		185.1999	25.90	9.96	35.86	43.50	-7.64	peak			
3		224.0000	24.36	12.48	36.84	46.00	-9.16	peak			
4		270.0749	22.52	17.22	39.74	46.00	-6.26	peak			
5		570.7749	12.51	24.36	36.87	46.00	-9.13	peak			
6		755.0750	10.46	27.04	37.50	46.00	-8.50	peak			

The Result of Line Radiated Emission Test-Vertical (Low Channel)



Site: site #1

Polarization: **Vertical**

Temperature: 26

Limit: FCC Class B 3M Radiation

Power:

Humidity: 60 %

EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m

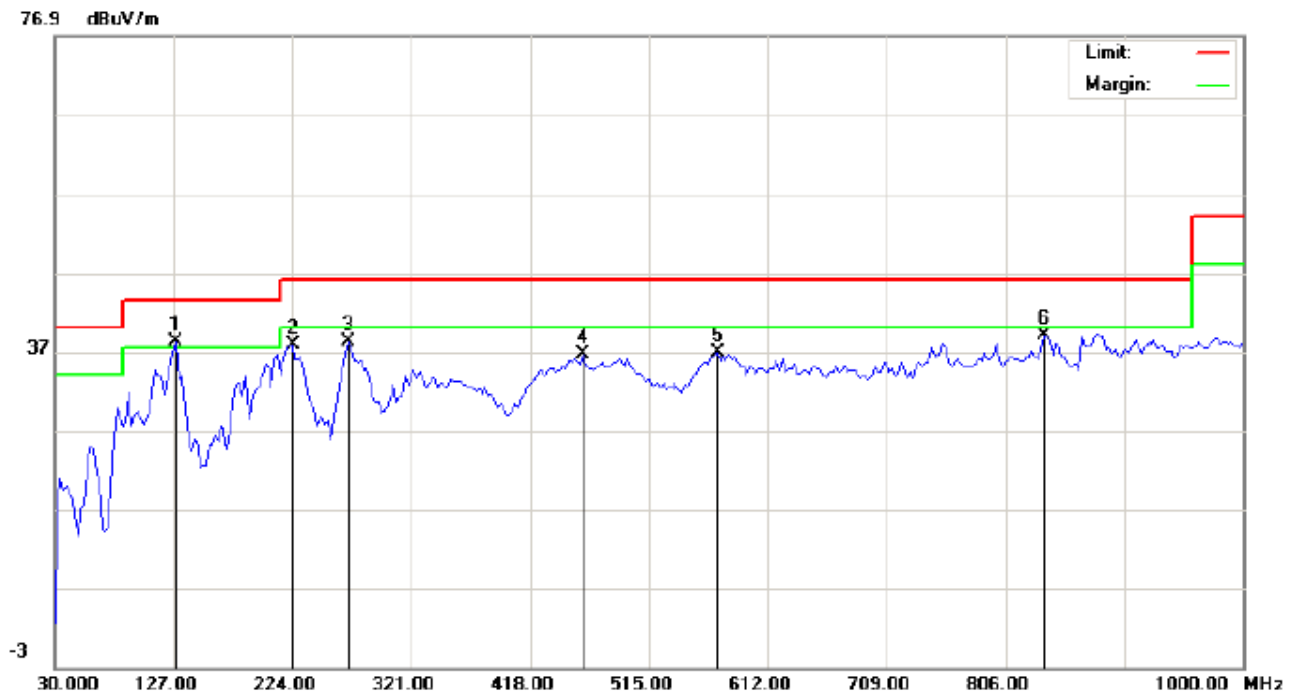
M/N: 5005(Transmitter)

Mode: Low Channel TX

Note:

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		90.6250	26.29	8.12	34.41	43.50	-9.09	peak			
2		129.4250	24.81	10.25	35.06	43.50	-8.44	peak			
3	*	214.3000	28.94	7.60	36.54	43.50	-6.96	peak			
4		282.1999	19.43	17.17	36.60	46.00	-9.40	peak			
5		786.6000	10.58	27.47	38.05	46.00	-7.95	peak			
6		878.7500	7.86	30.36	38.22	46.00	-7.78	peak			

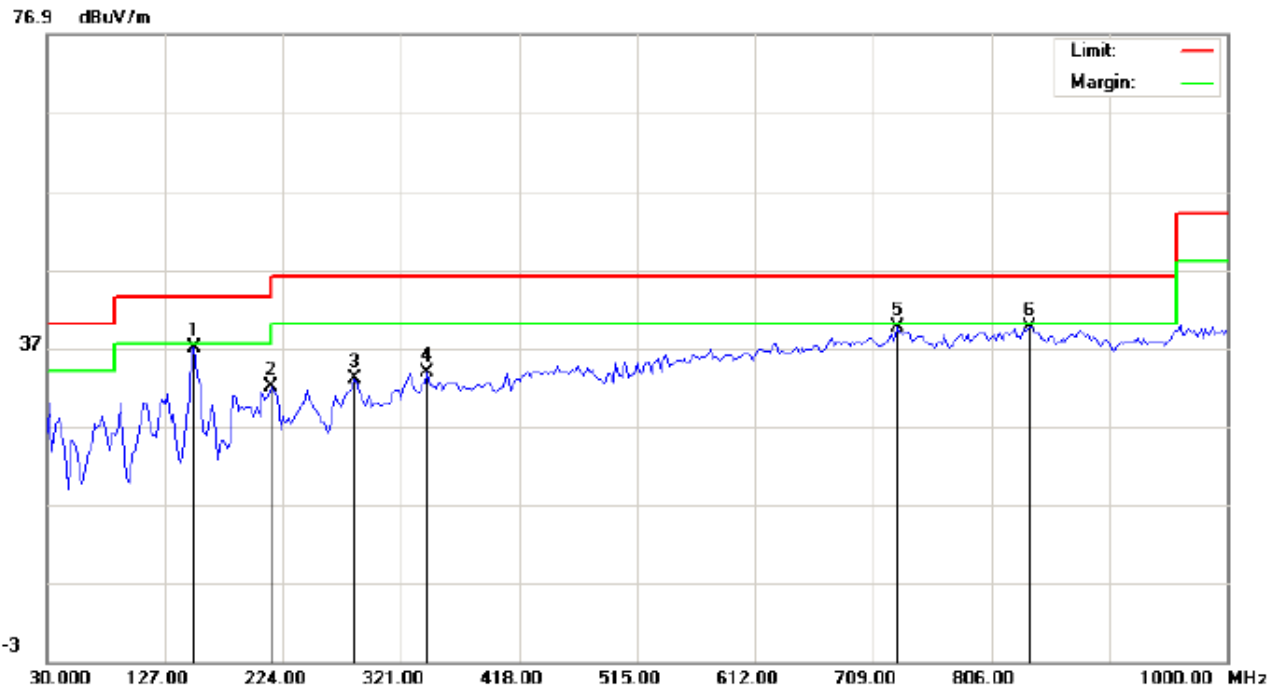
The Result of Line Radiated Emission Test-Horizontal (Middle Channel)



Site: site #1 Polarization: *Horizontal* Temperature: 26
Limit: FCC Class B 3M Radiation Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: Middle Channel TX
Note:

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	*	129.4250	24.10	14.18	38.28	43.50	-5.22	peak			
2		224.0000	25.36	12.48	37.84	46.00	-8.16	peak			
3		270.0750	21.02	17.22	38.24	46.00	-7.76	peak			
4		461.6500	15.00	21.53	36.53	46.00	-9.47	peak			
5		570.7750	12.51	24.36	36.87	46.00	-9.13	peak			
6		837.5250	8.06	30.94	39.00	46.00	-7.00	peak			

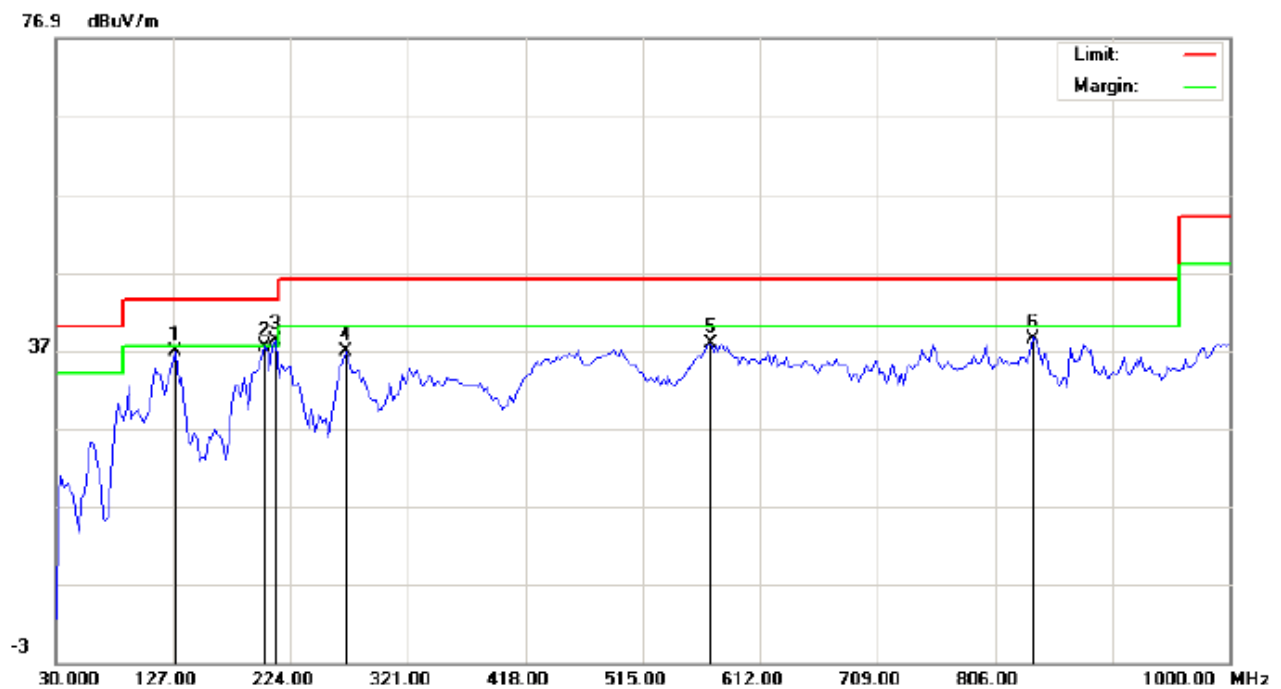
The Result of Line Radiated Emission Test-Vertical (Middle Channel)



Site: site #1 Polarization: **Vertical** Temperature: 26
Limit: FCC Class B 3M Radiation Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: Middle Channel TX
Note:

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		151.2500	18.50	18.55	37.05	43.50	-6.45	peak			
2		214.3000	24.44	7.60	32.04	43.50	-11.46	peak			
3		282.2000	15.93	17.17	33.10	46.00	-12.90	peak			
4		342.8250	14.82	19.00	33.82	46.00	-12.18	peak			
5		728.4000	12.83	26.69	39.52	46.00	-6.48	peak			
6	*	837.5250	10.93	28.71	39.64	46.00	-6.36	peak			

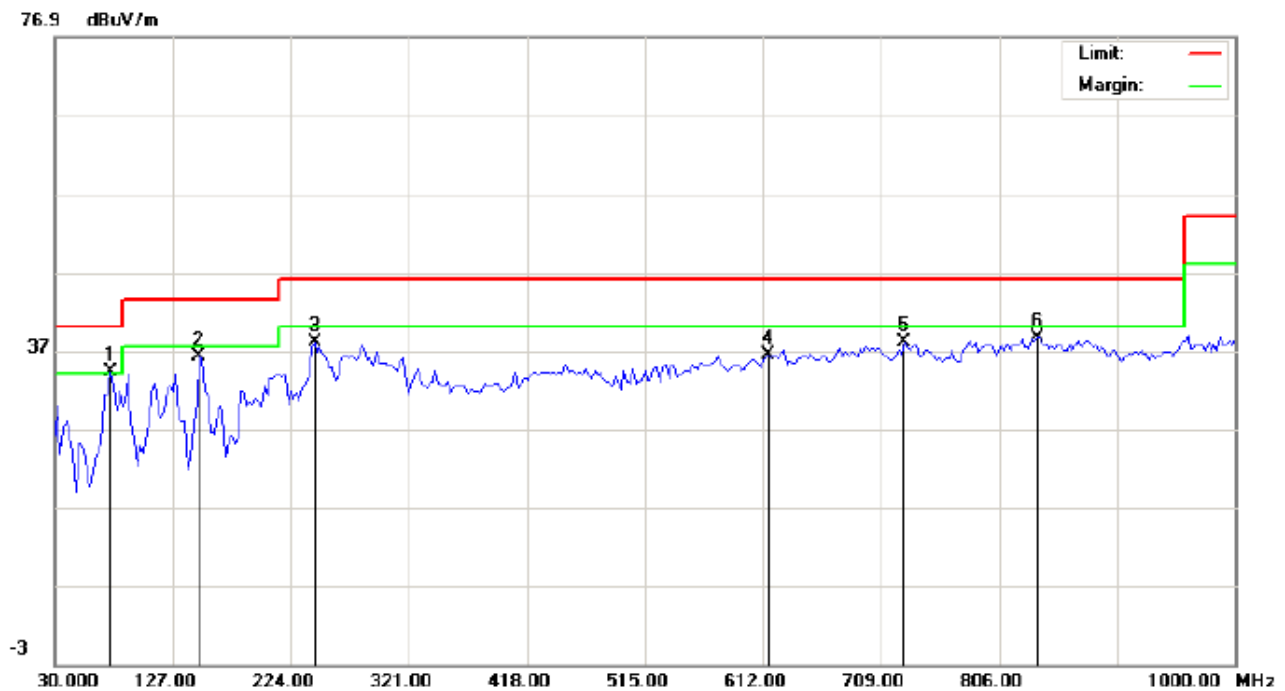
The Result of Line Radiated Emission Test-Horizontal (High Channel)



Site: site #1 Polarization: *Horizontal* Temperature: 26
Limit: FCC Class B 3M Radiation Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: High Channel TX
Note:

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		129.4250	22.60	14.18	36.78	43.50	-6.72	peak			
2		202.1750	29.80	7.52	37.32	43.50	-6.18	peak			
3	*	211.8750	28.78	9.41	38.19	43.50	-5.31	peak			
4		270.0749	19.52	17.22	36.74	46.00	-9.26	peak			
5		570.7749	13.51	24.36	37.87	46.00	-8.13	peak			
6		837.5249	7.56	30.94	38.50	46.00	-7.50	peak			

The Result of Line Radiated Emission Test-Vertical (High Channel)

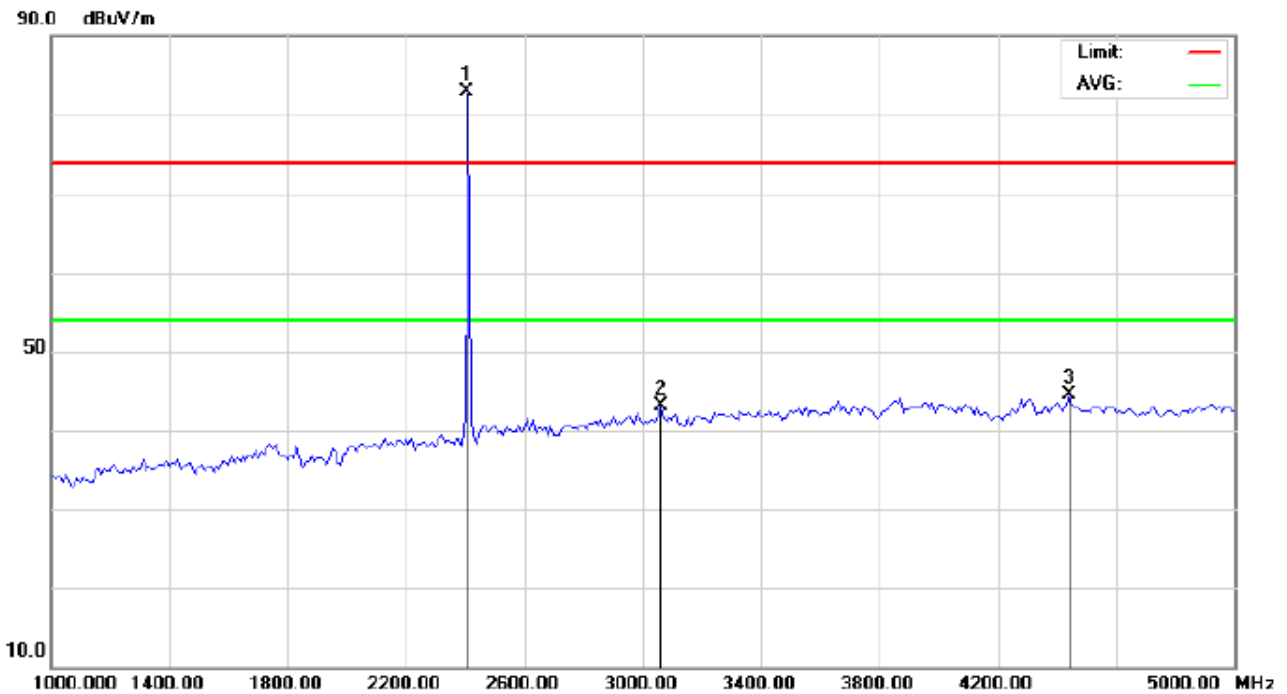


Site: site #1 Polarization: **Vertical** Temperature: 26
Limit: FCC Class B 3M Radiation Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: High Channel TX
Note:

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	*	76.0750	28.54	5.69	34.23	40.00	-5.77	peak			
2		148.8249	18.19	18.11	36.30	43.50	-7.20	peak			
3		243.4000	23.86	14.23	38.09	46.00	-7.91	peak			
4		616.8500	11.27	25.04	36.31	46.00	-9.69	peak			
5		728.3999	11.33	26.69	38.02	46.00	-7.98	peak			
6		837.5249	9.93	28.71	38.64	46.00	-7.36	peak			

6.6.3 TEST RESULT OF RADIATED EMISSION TEST (1000MHZ~5000MHZ)

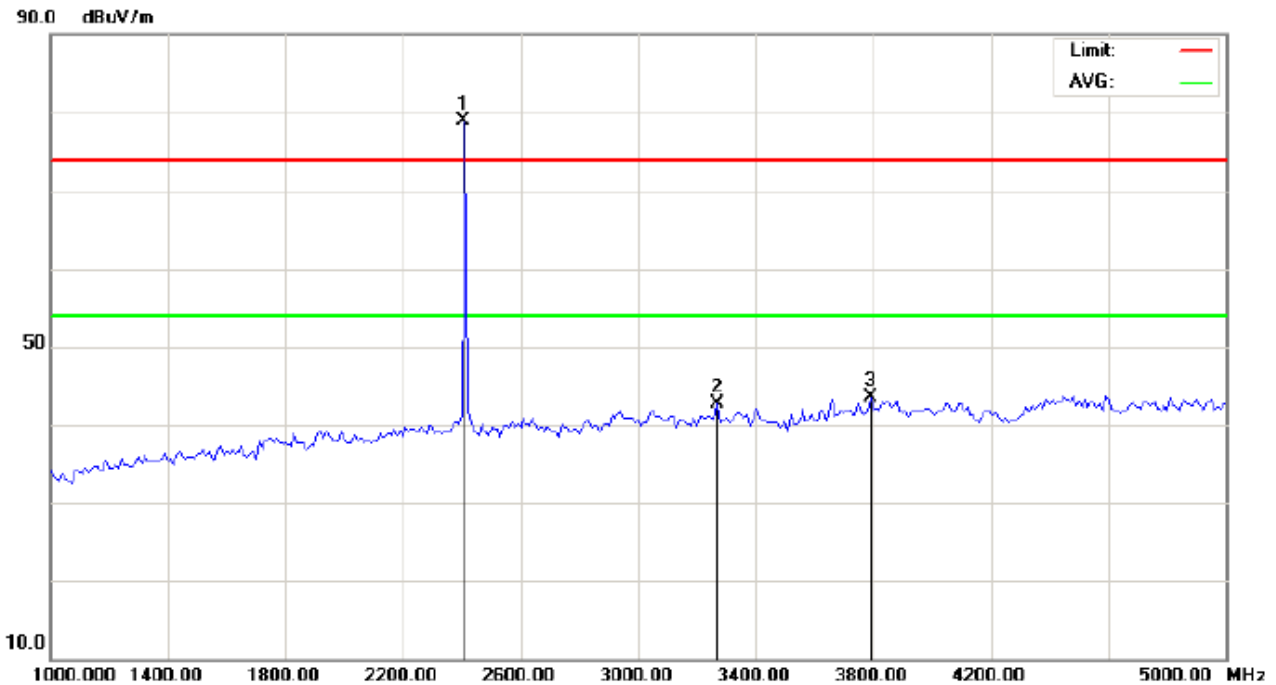
The Result of Line Radiated Emission Test-Horizontal (Low Channel)



Site: site #1 Polarization: **Horizontal** Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: Low Channel TX
Note:

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	*	2405.000	92.54	-9.67	82.87	74.00	8.87	peak			
2		3060.000	51.44	-8.30	43.14	74.00	-30.86	peak			
3		4440.000	47.83	-3.31	44.52	74.00	-29.48	peak			

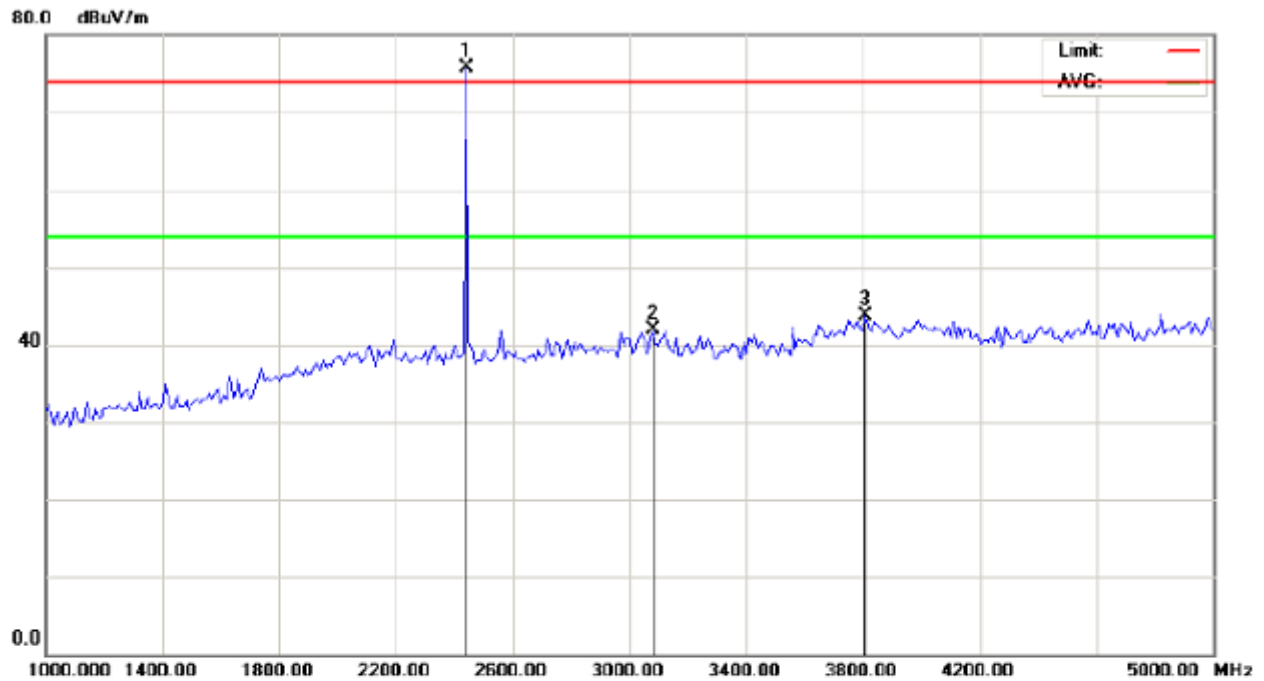
The Result of Line Radiated Emission Test-Vertical (Low Channel)



Site: site #1 Polarization: **Vertical** Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: Low Channel TX
Note:

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	*	2405.000	88.55	-9.67	78.88	74.00	4.88	peak			
2		3270.000	50.86	-8.11	42.75	74.00	-31.25	peak			
3		3790.000	49.58	-6.10	43.48	74.00	-30.52	peak			

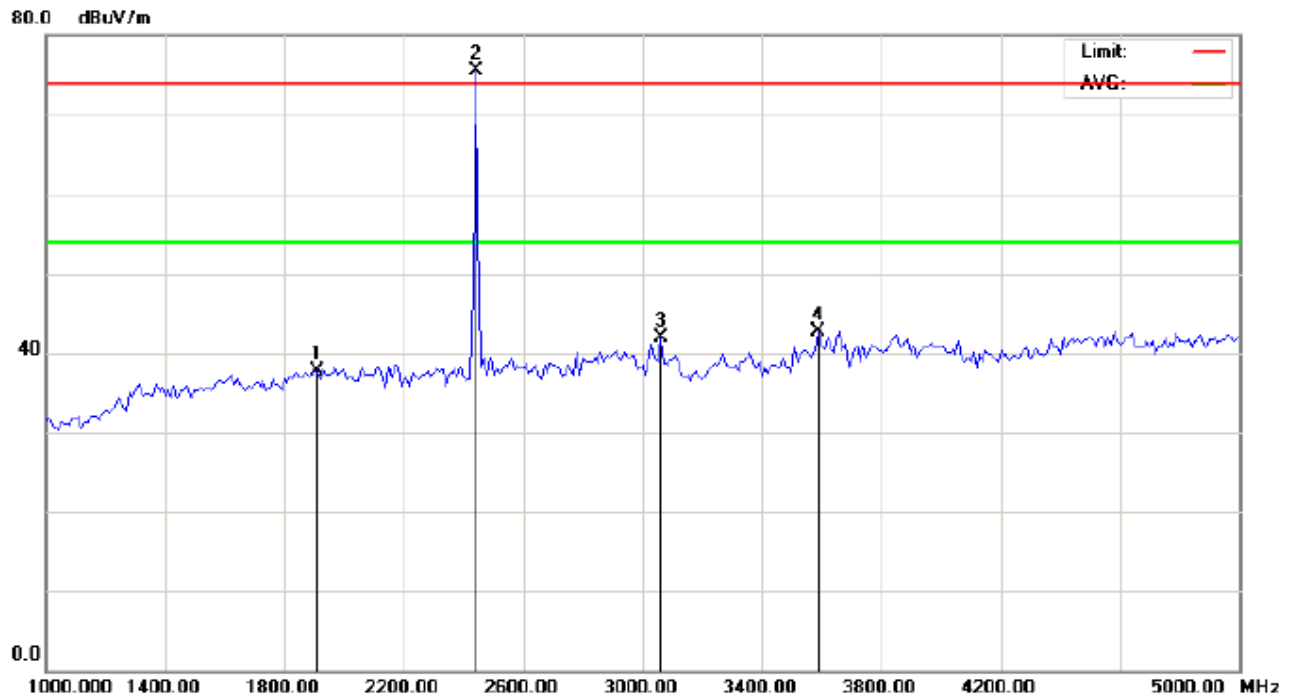
The Result of Line Radiated Emission Test-Horizontal (Middle Channel)



Site: site #1 Polarization: **Horizontal** Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: Middle Channel TX
Note:

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		m	degree	
1	*	2440.000	85.36	-9.64	75.72	74.00	1.72	peak			
2		3080.000	50.24	-8.28	41.96	74.00	-32.04	peak			
3		3810.000	49.75	-5.98	43.77	74.00	-30.23	peak			

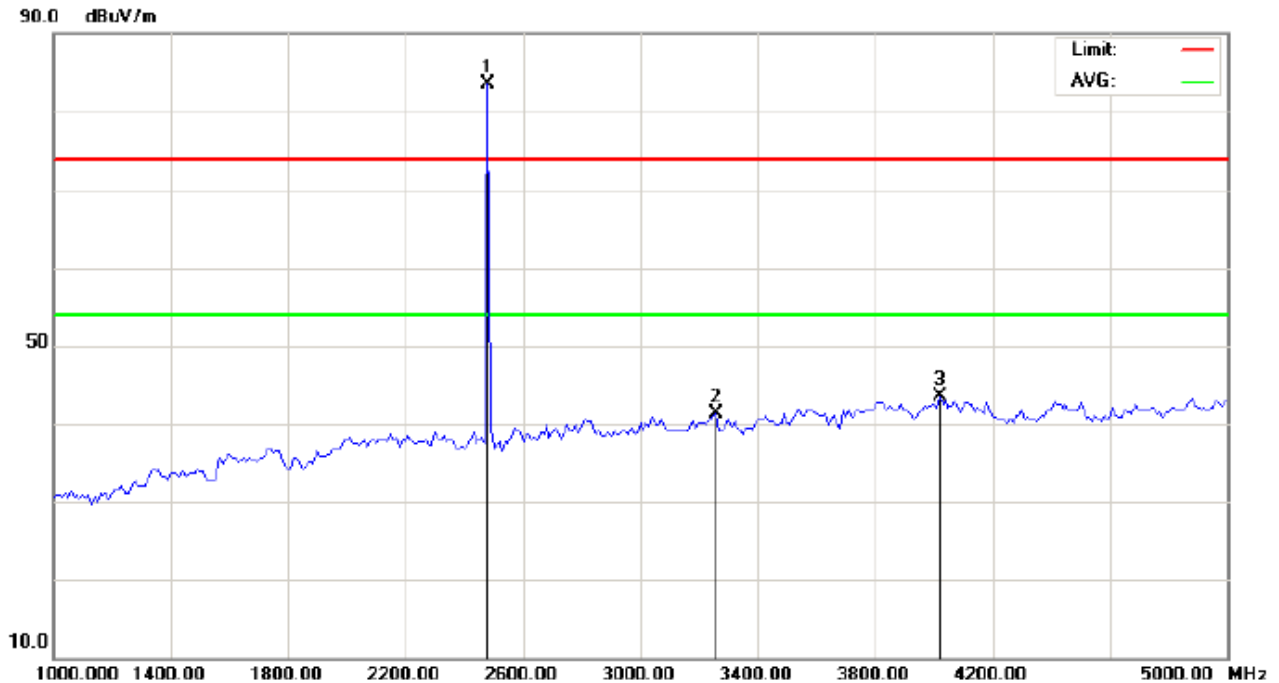
The Result of Line Radiated Emission Test-Vertical (Middle Channel)



Site: site #1 Polarization: **Vertical** Temperature: 26
 Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: Humidity: 60 %
 EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
 M/N: 5005(Transmitter)
 Mode: Middle Channel TX
 Note:

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		1910.000	48.84	-11.07	37.77	74.00	-36.23	peak			
2	*	2440.000	85.22	-9.64	75.58	74.00	1.58	peak			
3		3060.000	50.25	-8.30	41.95	74.00	-32.05	peak			
4		3590.000	50.05	-7.34	42.71	74.00	-31.29	peak			

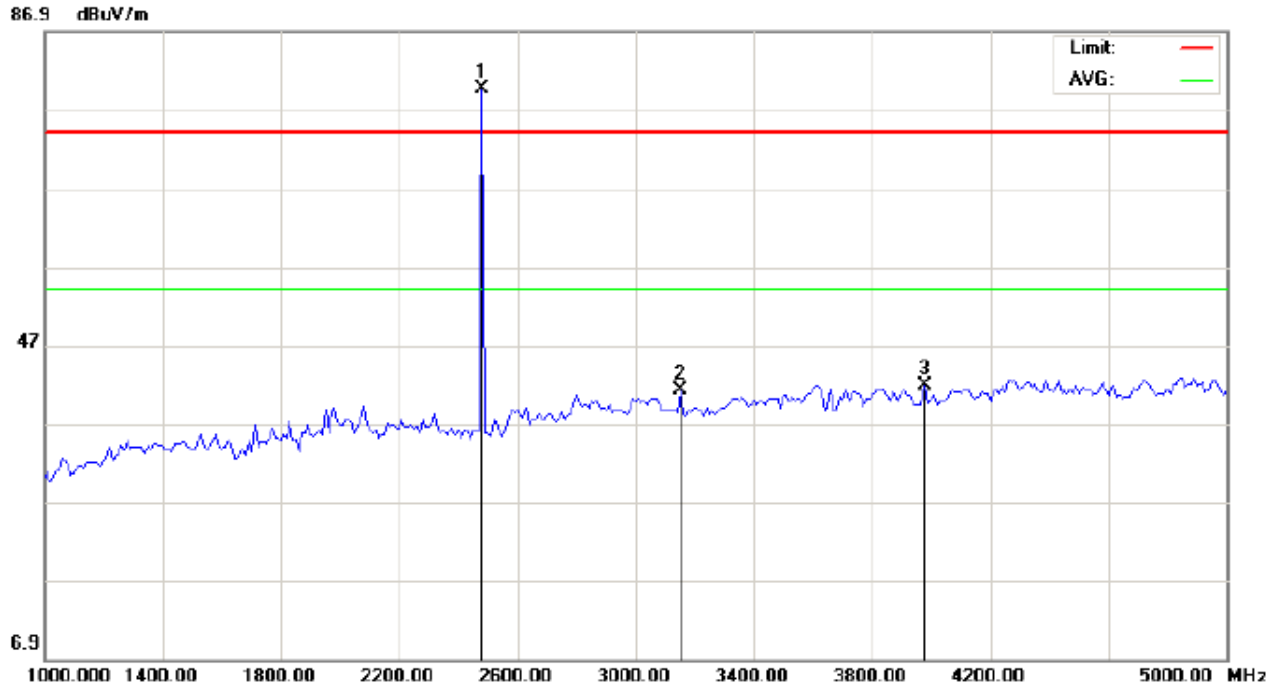
The Result of Line Radiated Emission Test-Horizontal (High Channel)



Site: site #1 Polarization: **Horizontal** Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: AC 120V/60Hz Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: High Channel TX
Note:

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	*	2480.000	93.09	-9.59	83.50	74.00	9.50	peak			
2		3260.000	49.50	-8.12	41.38	74.00	-32.62	peak			
3		4020.000	48.20	-4.74	43.46	74.00	-30.54	peak			

The Result of Line Radiated Emission Test-Vertical (High Channel)



Site: site #1 Polarization: **Vertical** Temperature: 26
 Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: Humidity: 60 %
 EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
 M/N: 5005(Transmitter)
 Mode: High Channel TX
 Note:

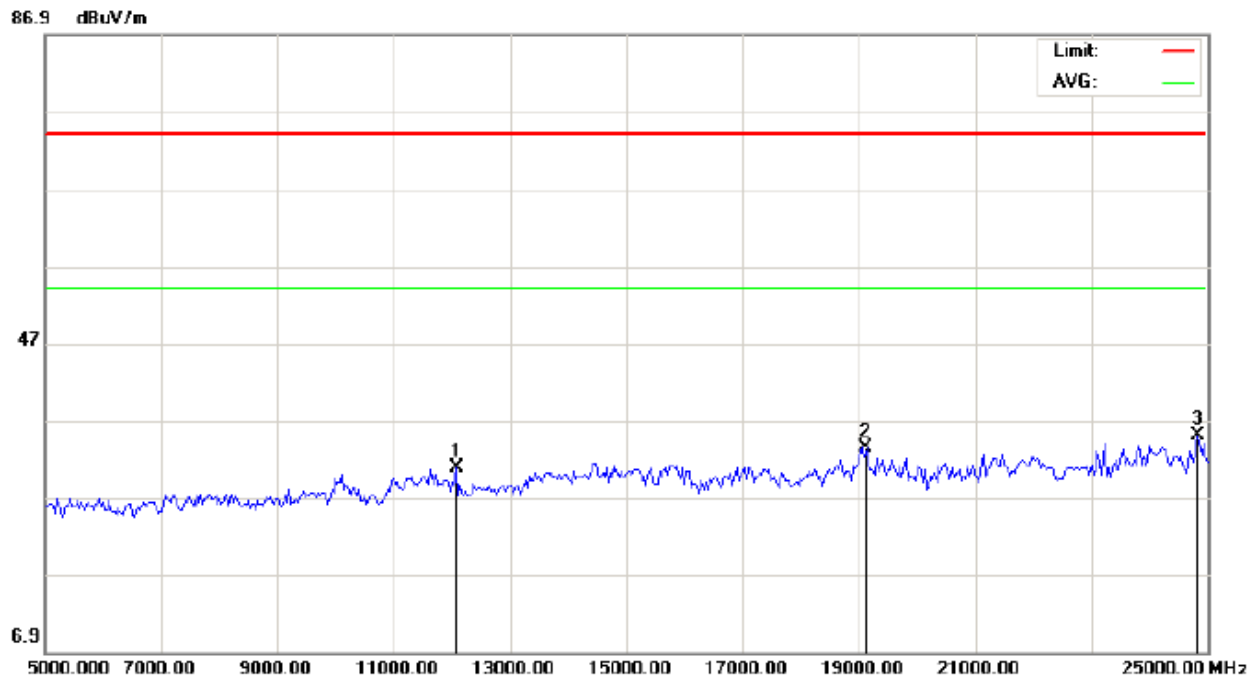
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2480.000	89.12	-9.59	79.53	74.00	5.53	peak			
2		3150.000	49.33	-8.22	41.11	74.00	-32.89	peak			
3		3980.000	46.72	-4.93	41.79	74.00	-32.21	peak			

****Note:**

1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be report.
2. The operating frequency limit is 94dBuV/m.

6.6.4 TEST RESULT OF RADIATED EMISSION TEST (5000MHZ~25000MHZ)

The Result of Line Radiated Emission Test-Horizontal (Low Channel)



Site: site #1 Polarization: *Horizontal* Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: Low Channel TX
Note:

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		12066.667	30.87	0.00	30.87	74.00	-43.13	peak			
2		19133.333	33.41	0.00	33.41	74.00	-40.59	peak			
3	*	24833.333	35.02	0.00	35.02	74.00	-38.98	peak			

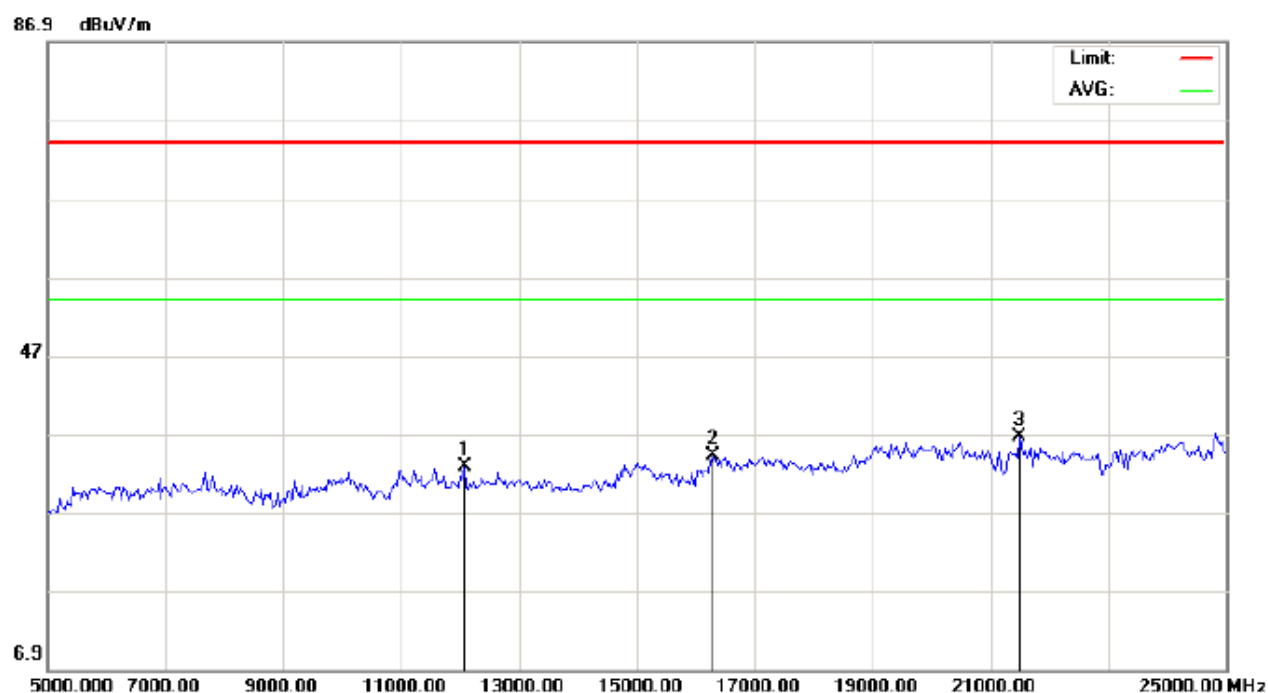
The Result of Line Radiated Emission Test-Vertical (Low Channel)



Site: site #1 Polarization: **Vertical** Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: Low Channel TX
Note:

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		10133.333	30.71	0.00	30.71	74.00	-43.29	peak			
2		14866.667	32.14	0.00	32.14	74.00	-41.86	peak			
3	*	21533.333	34.23	0.00	34.23	74.00	-39.77	peak			

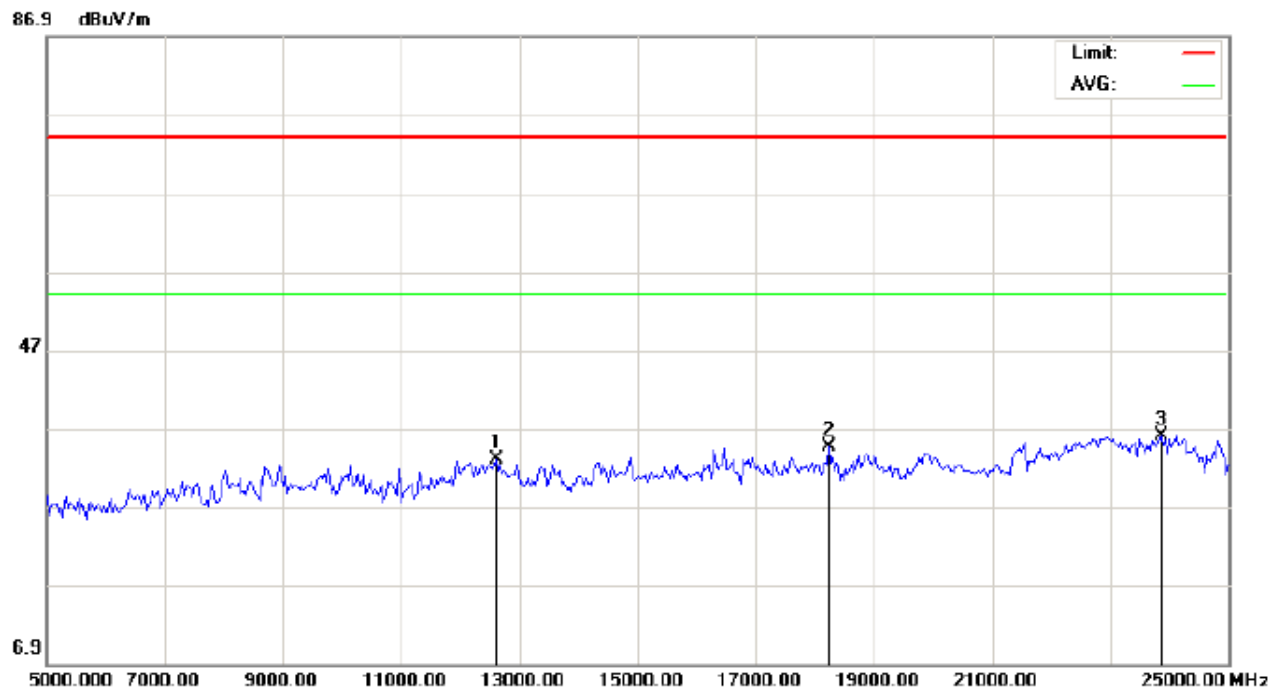
The Result of Line Radiated Emission Test-Horizontal (Middle Channel)



Site: site #1 Polarization: *Horizontal* Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: Middle Channel TX
Note:

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		12066.667	32.87	0.00	32.87	74.00	-41.13	peak			
2		16300.000	34.13	0.00	34.13	74.00	-39.87	peak			
3	*	21500.000	36.64	0.00	36.64	74.00	-37.36	peak			

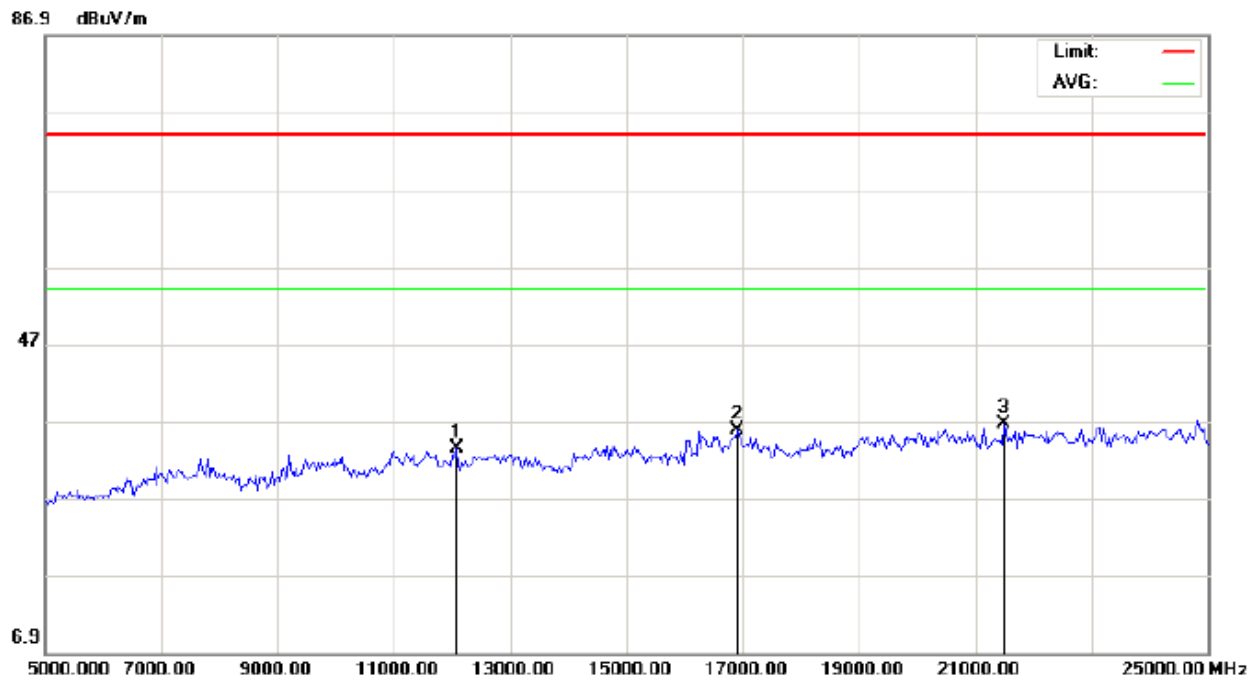
The Result of Line Radiated Emission Test-Vertical (Middle Channel)



Site: site #1 Polarization: **Vertical** Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: Middle Channel TX
Note:

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		12600.000	32.98	0.00	32.98	74.00	-41.02	peak			
2		18233.333	34.56	0.00	34.56	74.00	-39.44	peak			
3	*	23866.667	35.99	0.00	35.99	74.00	-38.01	peak			

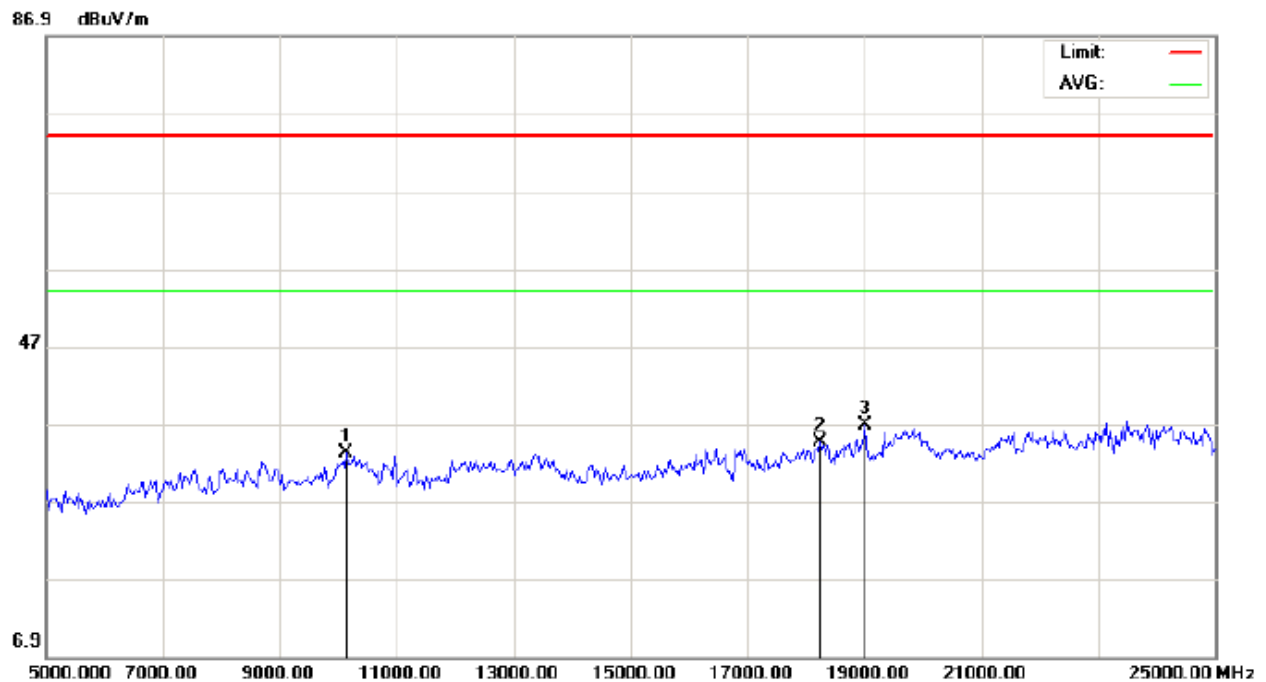
The Result of Line Radiated Emission Test-Horizontal (High Channel)



Site: site #1 Polarization: *Horizontal* Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: High Channel TX
Note:

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		12066.667	33.37	0.00	33.37	74.00	-40.63	peak			
2		16900.000	35.85	0.00	35.85	74.00	-38.15	peak			
3	*	21500.000	36.64	0.00	36.64	74.00	-37.36	peak			

The Result of Line Radiated Emission Test-Vertical (High Channel)



Site: site #1 Polarization: **Vertical** Temperature: 26
Limit: FCC Class B 3M Radiation above 1GHZ(PK) Power: Humidity: 60 %
EUT: Remote Kit/Remote PODZ/Remote Controller Distance: 3m
M/N: 5005(Transmitter)
Mode: High Channel TX
Note:

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		10133.333	33.21	0.00	33.21	74.00	-40.79	peak			
2		18233.333	34.56	0.00	34.56	74.00	-39.44	peak			
3	*	19000.000	36.83	0.00	36.83	74.00	-37.17	peak			

7. §15.249 EMISSION BANDWIDTH

7.1. STANDARD APPLICABLE

None; 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

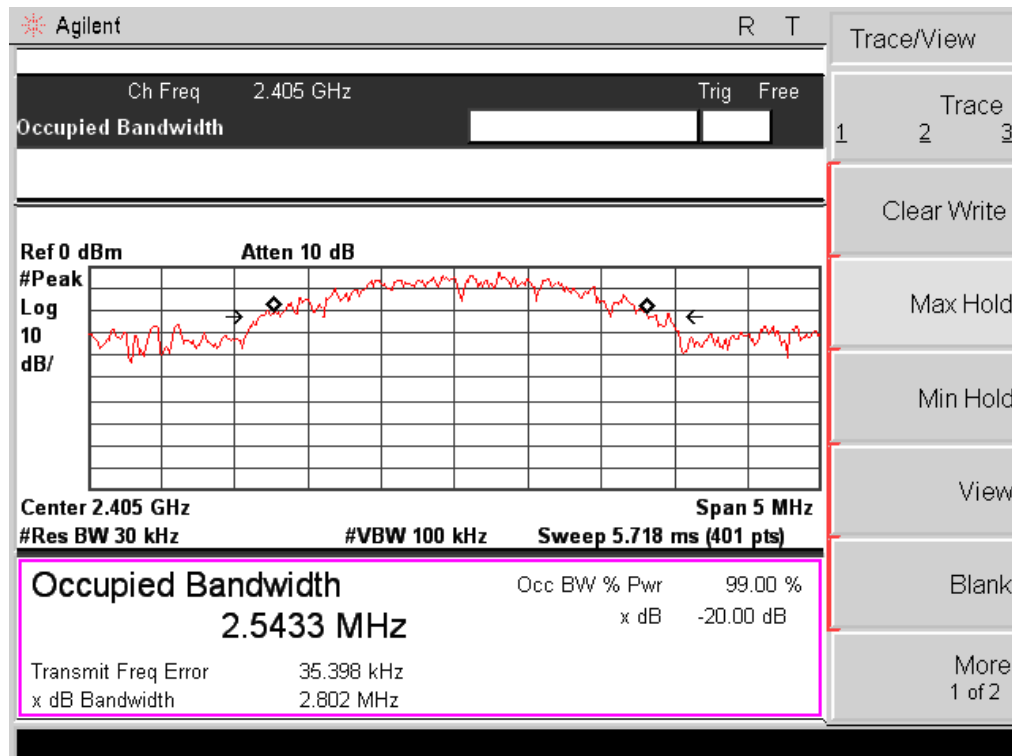
With the EUT's antenna attached, the EUT's 20dB Bandwidth power was received by the test antenna, which was connected to the spectrum analyzer with the START, and STOP frequencies set to the EUT's operation band.

7.4. SUMMARY OF TEST RESULTS/PLOTS

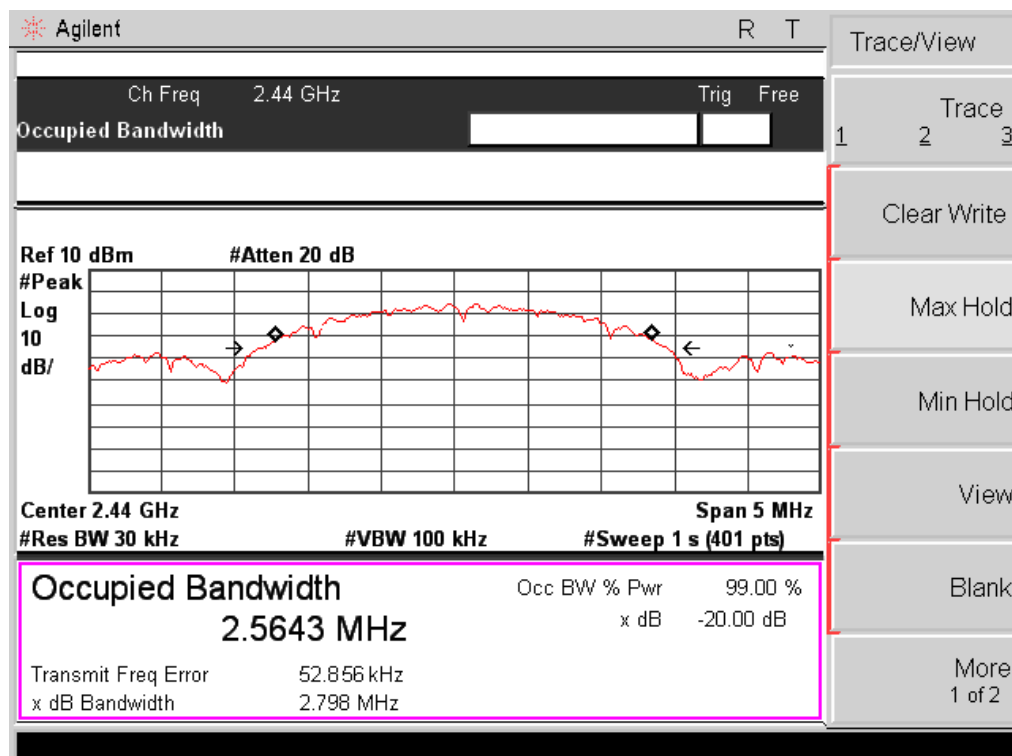
Channel	Emission Bandwidth (MHz)	Limit (KHz)
Low	2.802	N/A
Middle	2.798	
High	2.875	

Test Result: Pass

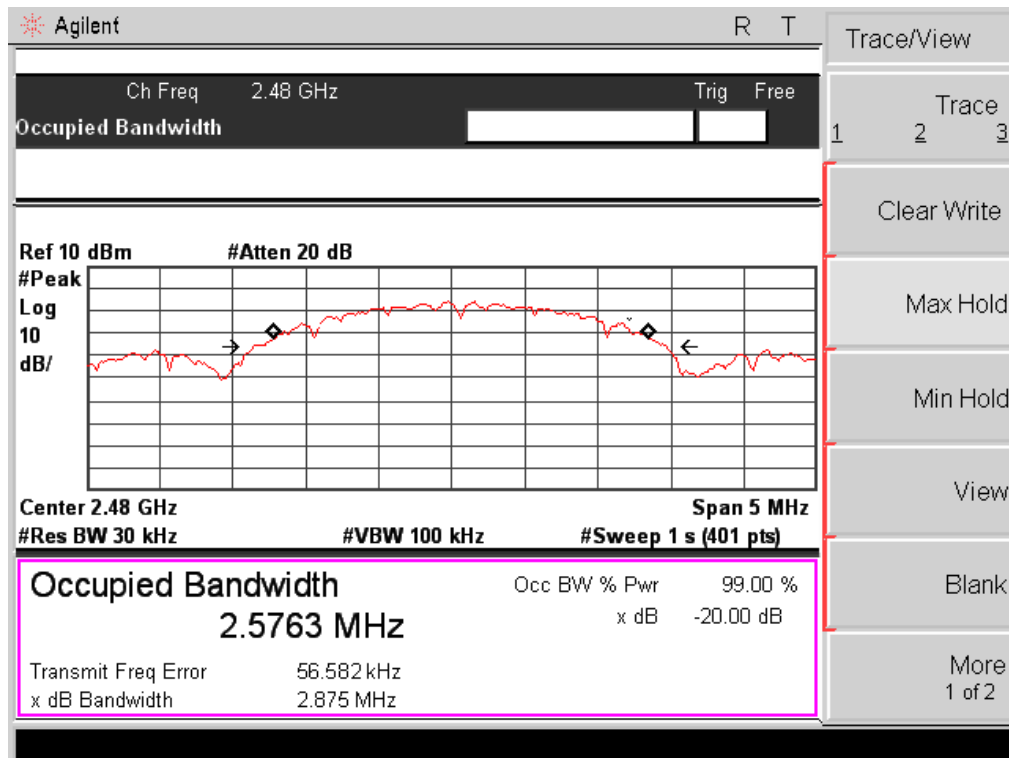
Low Channel Test Plot



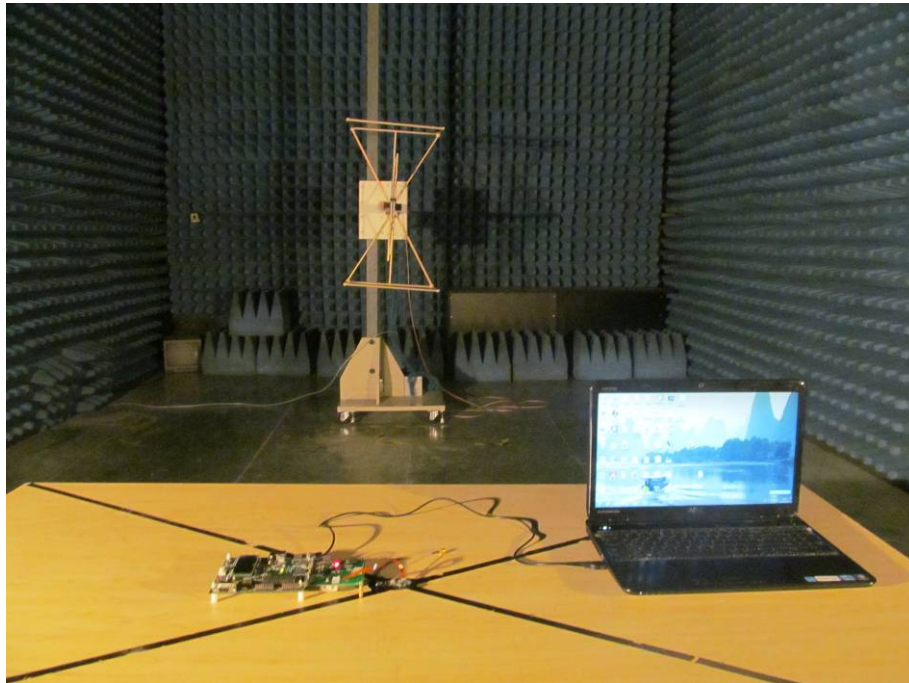
Middle Channel Test Plot



High Channel Test Plot



APPENDIX 1
PHOTOGRAPHS OF TEST SETUP
RADIATED EMISSION TEST SETUP



APPENDIX 2
PHOTOGRAPHS OF EUT
TOP VIEW OF EUT



BOTTOM VIEW OF EUT



FRONT VIEW OF EUT



BACK VIEW OF EUT



LEFT VIEW OF EUT



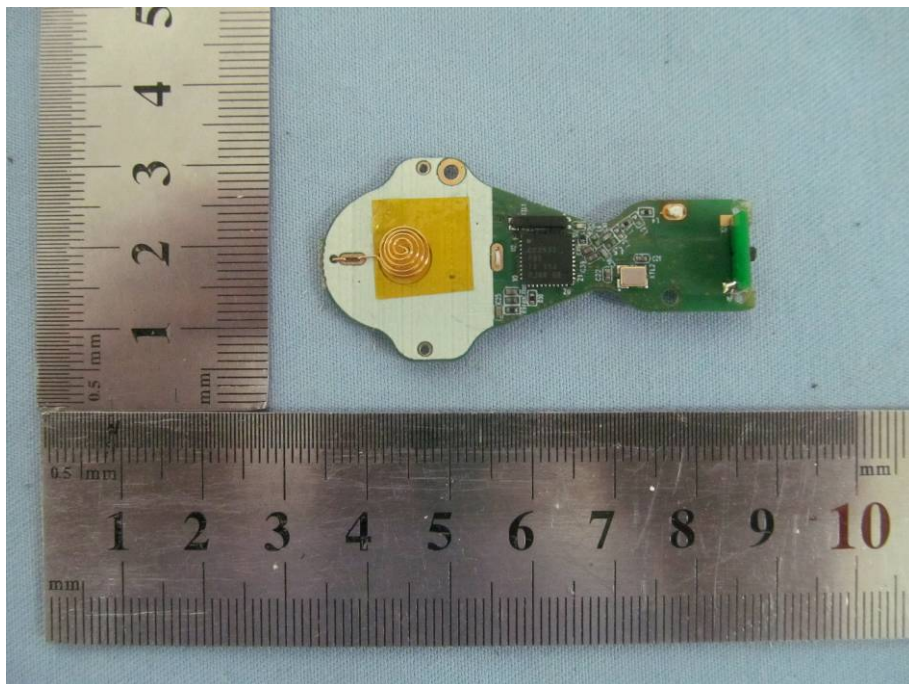
RIGHT VIEW OF EUT



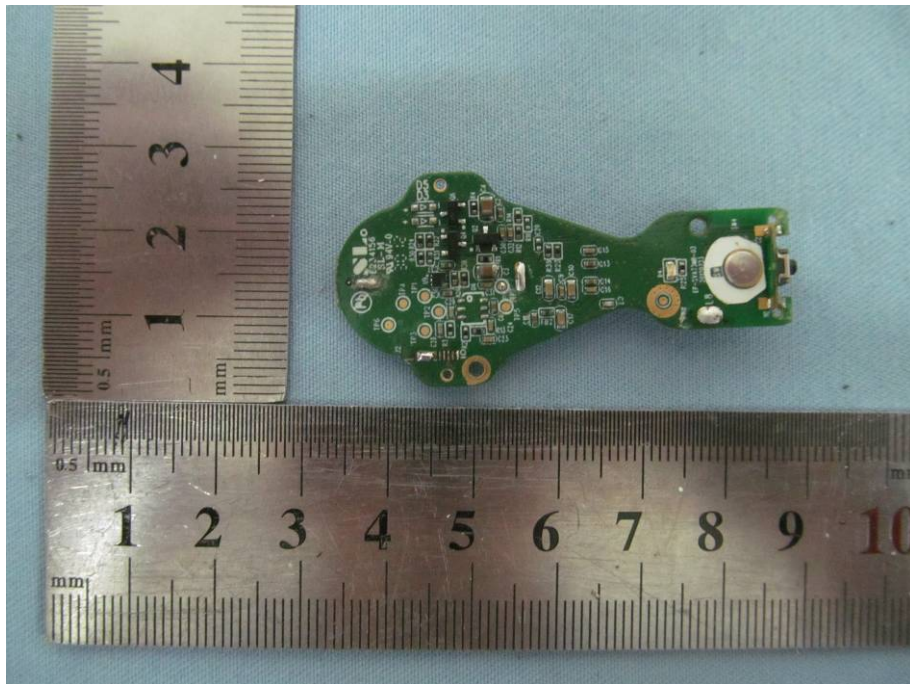
OPEN VIEW OF EUT



INTERNAL VIEW-2 OF EUT



INTERNAL VIEW-2 OF EUT



----- END OF REPORT-----