

# TEST REPORT

of

## FCC Part 15 Subpart B SDoC

☒ New Application; ☐ Class I PC; ☐ Class II PC

**Product:** Bluetooth 5.2 Module  
**Brand:** Fanstel  
**Model:** BC833M, BC833E  
**Model Difference:** Antenna difference  
**FCC Rule Part:** Part 15 B, SDoC  
**Applicant:** Fanstel Corporation, Taipei  
**Address:** 10F-10, No. 79, Sec. 1, Hsin Tai Wu Rd.,  
Hsi-Chih, New Taipei City 221 Taiwan

### Test Performed by:

#### International Standards Laboratory Corp.

<LT Lab.>

\*Site Registration No.

BSMI: SL2-IN-E-0013; MRA TW1036; TAF: 0997; IC: IC4067B-4;

\*Address:

No. 120, Lane 180, Hsin Ho Rd.,

Lung-Tan Dist., Tao Yuan City 325, Taiwan

\*Tel : 886-3-407-1718; Fax: 886-3-407-1738

Report No.: **ISL-20LR293FB**

Issue Date : **2020/12/23**



Test results given in this report apply only to the specific sample(s) tested and are traceable to national or international standard through calibration of the equipment and evaluating measurement uncertainty herein.

The uncertainty of the measurement does not include in consideration of the test result unless the customer required the determination of uncertainty via the agreement, regulation or standard document specification.

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## VERIFICATION OF COMPLIANCE

**Applicant:** Fanstel Corporation, Taipei  
**Product Description:** Bluetooth 5.2 Module  
**Brand Name:** Fanstel  
**Model No.:** BC833M, BC833E  
**Model Difference:** Antenna difference  
**FCC Rule Part:** Part 15 B, SDoC  
**Date of test:** 2020/10/14 ~2020/12/7  
**Date of EUT Received:** 2020/10/12

### We hereby certify that:

All the tests in this report have been performed and recorded in accordance with the standards described above and performed by an independent electromagnetic compatibility consultant, International Standards Laboratory Corp.

The test results contained in this report accurately represent the measurements of the characteristics and the energy generated by sample equipment under test at the time of the test. The sample equipment tested as described in this report is in compliance with the limits of above standards.

**Test By:**



**Date:**

2020/12/23

*Jason Chao / Senior Engineer*

**Prepared By:**



**Date:**

2020/12/23

*Elisa Chen / Senior Engineer*

**Approved By:**



**Date:**

2020/12/23

*Jerry Liu / Associate Director*

## Version

Version No.	Date	Description
00	2020/12/23	Initial creation of document

## Uncertainty of Measurement

Description Of Test	Uncertainty
Conducted Emission (AC power line)	2.586 dB
Field Strength of Spurious Radiation	<=30MHz: 2.96dB 30-1GHz: 4.22 dB 1-40 GHz: 4.08 dB
Conducted Power	2.412 GHz: 1.30 dB 5.805 GHz: 1.55 dB
Power Density	2.412 GHz: 1.30 dB 5.805 GHz: 1.67 dB
Frequency	0.0032%

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## 1. General Information

### 1.1. Product Description

General:

Product Name	Bluetooth 5.2 Module
Brand Name	Fanstel
Model Name	BC833M, BC833E
Model Difference	Antenna difference
Power Supply	5Vdc from USB (JIG)
USB port	one (JIG)

Model Summaries:

module	BC833M	BC833E
MCU	nRF52833 QDAA	nRf52833 QDAA
Flash/RAM	512KB/128KB	512KB/128KB
Size, mm	10x14.3x1.9	10x14.3
BT Antenna	PCB trace	u.FL
BT range, 1 Mbps, LMPI		1150 meters, est.
BT range, 1Mbps, 1.52m		850 meters, est.
BT range, 125 Kbps, LMPI.	1400 meters, est.	3400 meters, est
BT range, 125 kbps, 1.52m		1400 meters, est

### **1.2. Related Submittal(s) / Grant (s)**

This submittal(s) (test report) is intended for Part15 Subpart B, is authorized under SDoC procedure.

### **1.3. Test Methodology**

Both conducted and radiated testing were performed according to the procedures in ANSI C63.4: 2014.

### **1.4. Test Facility**

The measurement facilities used to collect the 3m Radiated Emission and AC power line conducted data are located on the address of **International Standards Laboratory Corp.** <LT Lab.> No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist., Tao Yuan City 325, Taiwan which are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4: 2014. FCC Registration Number is: TW1036, Canada Registration Number: 4067B-4.

### **1.5. Special Accessories**

Not available for this EUT intended for grant.

### **1.6. Equipment Modifications**

Not available for this EUT intended for grant.

## 2. System Test Configuration

### 2.1. EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

### 2.2. EUT Exercise

The EUT was operated in the normal mode.

### 2.3. Limitation

#### (1) Conducted Emission

According to section 15.107(a), ICES-003 Section 6.1 Conducted Emission Limits is as following.

Frequency range MHz	Class B Limits dB (uV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
Note		
1.The lower limit shall apply at the transition frequencies		
2.The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.		

#### (2) Radiated Emission

According to section 15.109(a), ICES-003 Section 6.2 or CISPR 22 Radiated Emission Class B Limits is as following:

Frequency (MHz)	Field strength $\mu\text{V/m}$	Distance (m)	Field strength at 3m $\text{dB}\mu\text{V/m}$
30-88	100	3	40
88-216	150	3	43.5
216-960	200	3	46
Above 960	500	3	54

CISPR 22 Limit:

Frequency range MHz	Limits dBuV/m (10m)
	Quasi-peak
30 to 230	30
230 to 1000	37

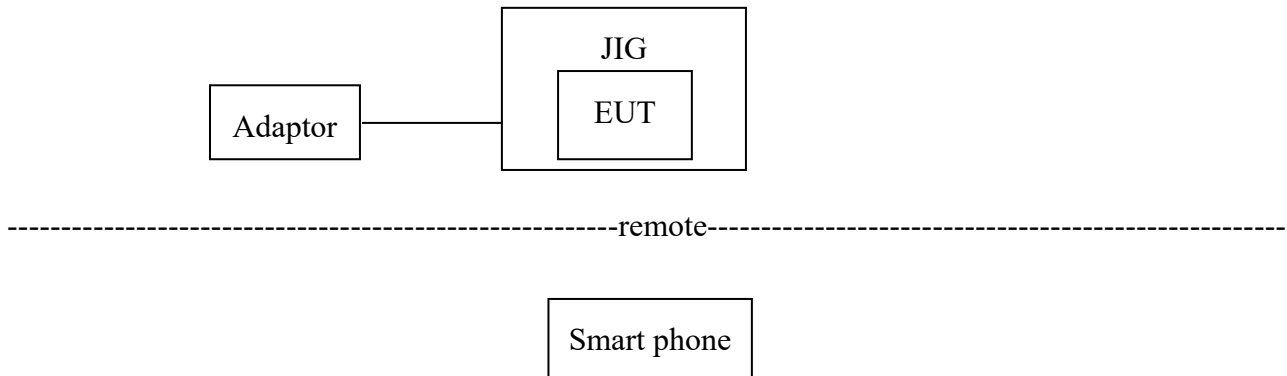
Frequency range GHz	Limits dBuV/m (3m)	
	Average	Peak
1 to 3	50	70
3 to 6	54	74

Remark: 1. Emission level in dBuV/m=20 log (uV/m)  
2. Measurement was performed at an antenna to the closed point of EUT distance of 3 meters.



## 2.4. Configuration of Tested System

Fig. 1-1 Configuration



Support Equipment Used in Tested System

Item	Equipment	Mrf/Brand	Model name	Series No	Data Cable	Power Cable
1	adaptor	Apple	A1385	N/A	N/A	Shielded /1m
2	Smart mobile phone	hTC	PL99110	N/A	N/A	N/A

I/O Cable Condition of EUT and Support Units

Description	Path	Cable Length	Cable Type	Connector Type
USB power cable	Adaptor USB port to JIG micro USB port	1m	Shielded	Metal Head

**Note:** All the above equipment/cables were placed in worse case positions to maximize emission signals during emission test.

**Grounding:** Grounding was in accordance with the manufacturer's requirements and conditions for the intended use.

### 3. Summary of Test Results

Rules	Description of Test	Result
§15.107 CISPR 22	Conducted Emission Class B	Compliant
§15.109 CISPR 22	Radiated Emission(Below 1GHz) Class B	Compliant
§15.109 CISPR22	Radiated Emission(above 1GHz) Class B	Compliant

### 4. Description of test modes

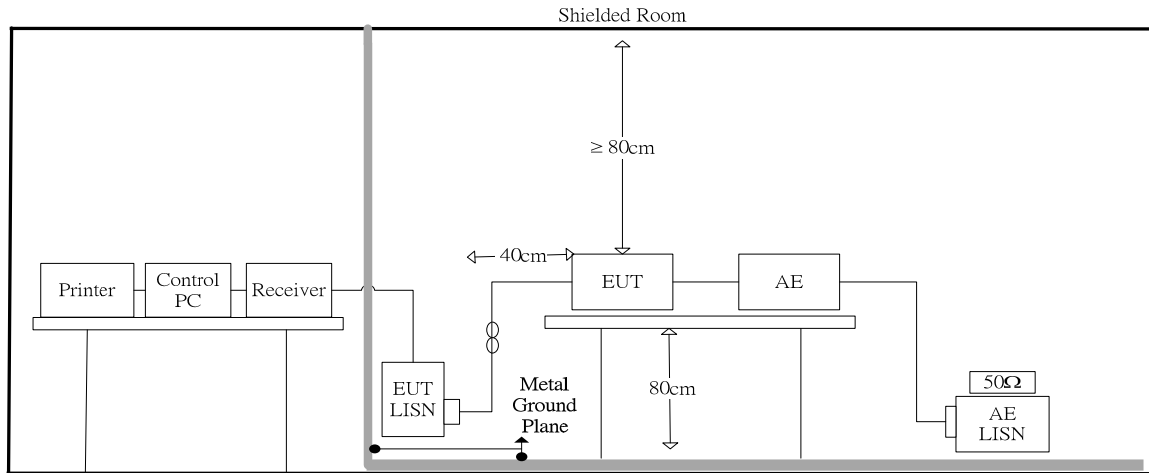
This is a modular application and the EUT was stayed in normal operation mode.

#### Test Plan

Applicable standard		FCC 15B	
Test Configuration		Config 1	Config 2
		EUT + Smart mobile phone	EUT + Smart mobile phone
Operation mode		BT link(BC833E) Antenna:Ant060	BT link(BC833M)
No.	Description		
1	Radiated emission(30M~1GHz)(above 1GHz)	Measured	Pretest
2	Conducted emission (DC Power)	N/A	N/A
3	Conducted emission (AC Power)	Measured	N/A

## 5. Conducted Emissions Test

### 5.1. Test Setup



## 5.2. Measurement Procedure

The measurements are performed in a shielded room test site. The EUT was placed on non-conduction 1.0m x 1.5m table, which is 0.8 meters above an earth-grounded.

Power to the EUT was provided through the LISN which has the Impedance (50ohm/50uH) vs. Frequency Characteristic in accordance with the standard. Power to the LISNs were filtered to eliminate ambient signal interference and these filters were bonded to the ground plane. Peripheral equipment required to provide a functional system (support equipment) for EUT testing was powered from the second LISN through a ganged, metal power outlet box which is bonded to the ground plane at the LISN.

The interconnecting cables were arranged and moved to get the maximum measurement. Both the line of power cord, hot and neutral, were measured. All of the interface cables were manipulated according to ANSI C63.4 requirements.

The highest emissions were analyzed in details by operating the spectrum analyzer in fixed tuned mode to determine the nature of the emissions and to provide information which could be useful in reducing their amplitude.

### 5.3. Measurement Equipment Used:

Location	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Conduction 02	LISN 26	R&S	ENV216	102378	11/27/2020	11/27/2021
Conduction 02	LISN 21	R&S	ENV216	101476	07/21/2020	07/21/2021
Conduction 02	Conduction 02-1 Cable	WOKEN	CFD 300-NL	Conduction 02-1	09/18/2020	09/18/2021
Conduction 02	EMI Receiver 14	ROHDE & SCHWARZ	ESCI	101034	05/22/2020	05/22/2021
Conduction 02	ISN T4 07	Teseq GmbH	ISN T400A	49913	08/02/2020	08/02/2021
Conduction 02	ISN T8 10	Teseq GmbH	ISN T800	42773	08/02/2020	08/02/2021

#### 5.4. Measurement Result:

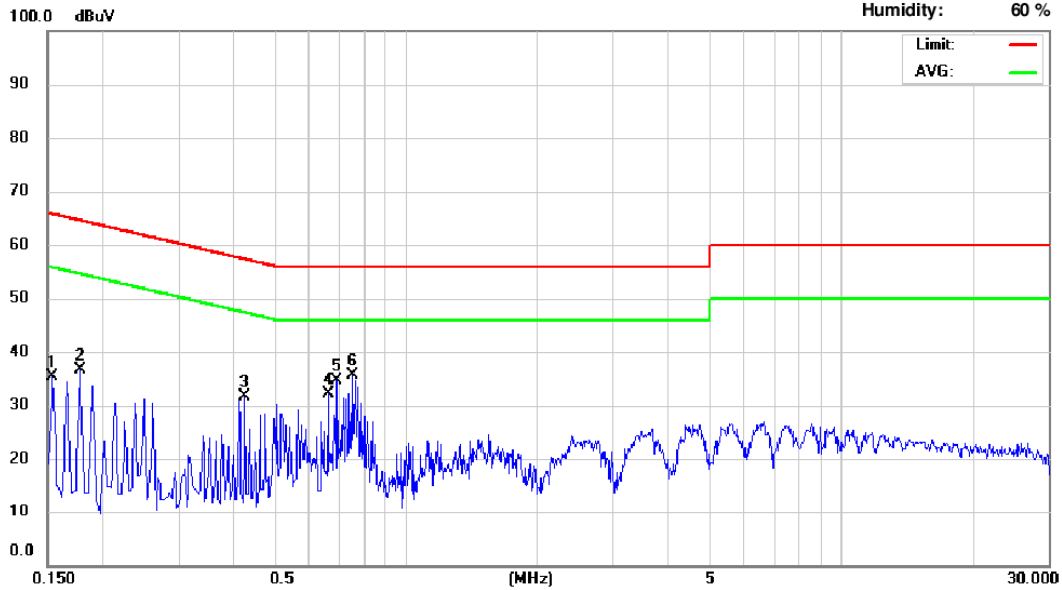


Address: No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist.,  
Tao Yuan City 325, Taiwan.  
Tel: 03-4071718

#### Conducted Emission Measurement

Date: 2020/10/14

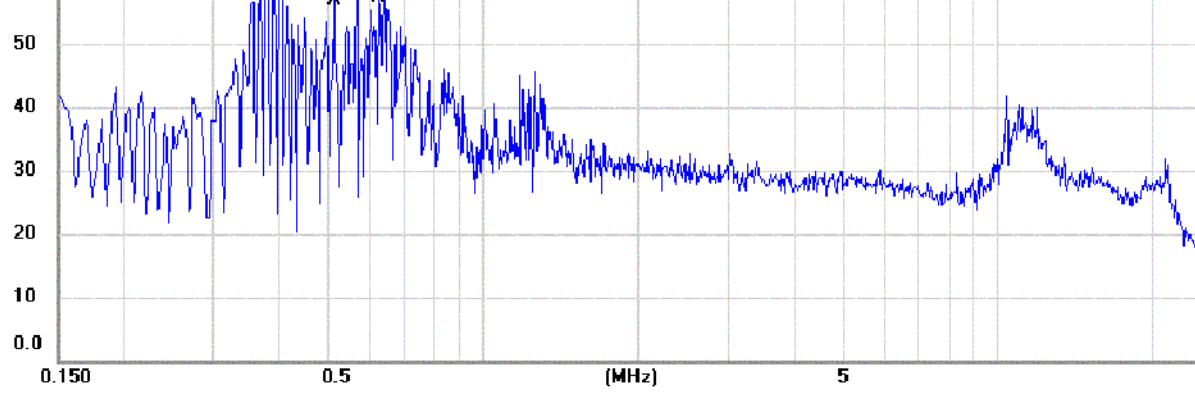
operator: Jason  
Temperature: 26 °C  
Humidity: 60 %



Site: Conduction 02

Phase: L1

No.	Frequency (MHz)	QP_R (dBuV)	AVG_R (dBuV)	Correct Factor (dB)	QP Emission (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Emission (dBuV)	AVG Limit (dBuV)	AVG Margin (dB)
1	0.154	23.89	2.95	9.69	33.58	65.78	-32.20	12.64	55.78	-43.14
2	0.178	20.82	1.48	9.68	30.50	64.58	-34.08	11.16	54.58	-43.42
3	0.426	13.10	-1.81	9.69	22.79	57.33	-34.54	7.88	47.33	-39.45
4	0.662	13.26	-0.26	9.70	22.96	56.00	-33.04	9.44	46.00	-36.56
5	0.694	17.95	3.66	9.70	27.65	56.00	-28.35	13.36	46.00	-32.64
6	0.754	19.24	6.58	9.71	28.95	56.00	-27.05	16.29	46.00	-29.71



Site: Conduction 02

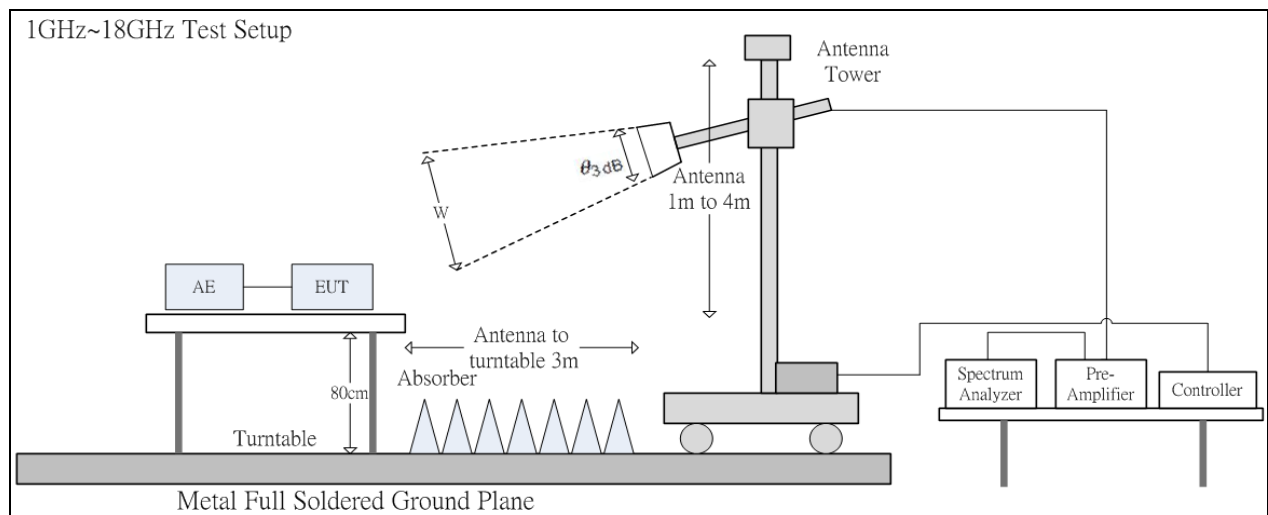
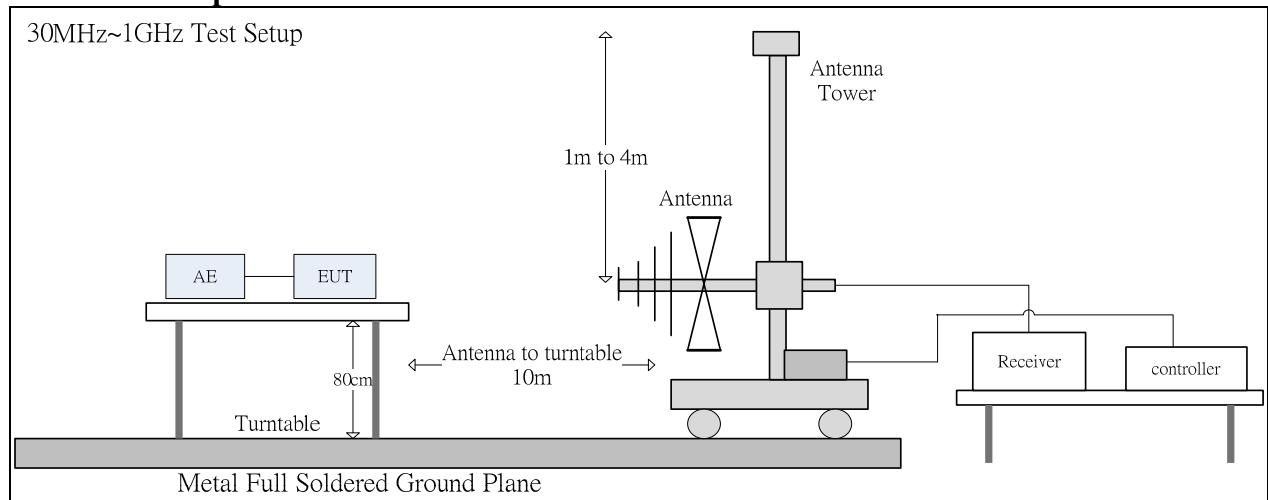
Phase: N

No.	Frequency (MHz)	QP_R (dBuV)	AVG_R (dBuV)	Correct Factor (dB)	QP Emission (dBuV)	QP Limit (dBuV)	QP Margin (dB)	AVG Emission (dBuV)	AVG Limit (dBuV)
1	0.370	45.40	30.13	9.69	55.09	79.00	-23.91	39.82	66.00
2	0.382	47.81	31.13	9.69	57.50	79.00	-21.50	40.82	66.00
3	0.394	48.58	31.10	9.69	58.27	79.00	-20.73	40.79	66.00
4	0.402	48.70	30.25	9.69	58.39	79.00	-20.61	39.94	66.00
5	0.514	37.70	21.54	9.70	47.40	73.00	-25.60	31.24	60.00
6	0.570	39.82	22.10	9.71	49.53	73.00	-23.47	31.81	60.00
7	0.630	44.56	29.95	9.71	54.27	73.00	-18.73	39.66	60.00
8	0.642	42.78	27.20	9.71	52.49	73.00	-20.51	36.91	60.00

N

## 6. Radiated Emission Test

### 6.1. Test Setup



The 3dB beam width of the horn antenna used for the test is as shown in the table below.

1GHz~18GHz

Frequency GHz	E-plane	H-plane	$\theta_{3dB}(\text{min})$	d = 3 m
				w (m)
1	88°	147°	88°	5.79
2	68°	119°	68°	4.04
3	73°	92°	73°	4.44
4	70°	89°	70°	4.20
5	55°	60°	55°	3.12
6	63°	62°	62°	3.60
7	48°	49°	48°	2.67
8	39°	46°	39°	2.12
9	32°	42°	32°	1.72
10	30°	39	30°	1.61

Frequency GHz	E-plane	H-plane	$\theta_{3\text{dB}}(\text{min})$	d = 3 m
				w (m)
11	32°	35°	32°	1.72
12	35°	32°	35°	1.89
13	34°	31°	31°	1.66
14	32°	27°	27°	1.44
15	36°	26°	26°	1.39
16	40°	28°	28°	1.50
17	43°	26°	26°	1.39
18	41°	22°	22°	1.17

18 GHz~26.5 GHz

Frequency GHz	E-plane	H-plane	$\theta_{3\text{dB}}(\text{min})$	d = 1 m	d = 3 m
				w (m)	w (m)
18	11.4°	12.7°	11.4°	0.199	0.598
19	10.9°	12.4°	10.9°	0.190	0.572
20	10.8°	12.4°	10.8°	0.189	0.567
21	9.8°	12°	9.8°	0.171	0.514
22	9.7°	11°	9.7°	0.169	0.509
23	10°	11.8°	10°	0.174	0.524
24	9°	11°	9°	0.157	0.472
25	10°	12.3°	10°	0.174	0.524
26	9.9°	11.1°	9.9°	0.173	0.519
26.5	9.4°	11.3°	9.4°	0.164	0.493

26 GHz~40 GHz

Frequency GHz	E-plane	H-plane	$\theta_{3\text{dB}}(\text{min})$	d = 1 m	d = 3 m
				w (m)	w (m)
26	12°	12.2°	12°	0.210	0.631
27	13°	10.5°	10.5°	0.184	0.551
28	13.2°	12.3°	12.3°	0.216	0.647
29	11.5°	12.8°	11.5°	0.201	0.604
30	12°	8°	8°	0.140	0.420
31	11.5°	10.1°	10.1°	0.177	0.530
32	11.8°	10°	10°	0.175	0.525
33	11.8°	9.5°	9.5°	0.166	0.499
34	11.6°	10°	10°	0.175	0.525
35	10.9°	9.8°	9.8°	0.171	0.514
36	11.8°	8.6°	8.6°	0.150	0.451
37	12.9°	10.5°	10.5°	0.184	0.551
38	12°	10.3°	10.3°	0.180	0.541
39	11.8°	9.8°	9.8°	0.171	0.514
40	12.5°	11.2°	11.2°	0.196	0.588



## 6.2. Measurement Procedure

The radiated emissions test will then be repeated on the open site or chamber to measure the amplitudes accurately and without the multiple reflections existing in the shielded room. The EUT and support equipment are set up on the turntable of one of 10 meter open field sites or 10 meter chamber. Desktop EUT are set up on a wooden stand 0.8 meter above the ground or floor-standing arrangement shall be placed on the horizontal ground reference plane. The test volume for a height of up to 30 cm may be obstructed by absorber placed on the ground plane.

For the initial measurements, the receiving antenna is varied from 1-4 meter height and is changed in the vertical plane from vertical to horizontal polarization at each frequency. The highest emissions between 30 MHz to 1000 MHz were analyzed in details by operating the spectrum analyzer and/or EMI receiver in quasi-peak mode to determine the precise amplitude of the emissions. The highest emissions between 1 GHz to 40 GHz were analyzed in details by operating the spectrum analyzer in peak and average mode to determine the precise amplitude of the emissions.

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the antenna in the cone of radiation from that area and pointed at the area both in azimuth and elevation, with polarization oriented for maximum response. At the highest amplitudes observed, the EUT is rotated in the horizontal plane while changing the antenna polarization in the vertical plane to maximize the reading. The interconnecting cables were arranged and moved to get the maximum measurement. Once the maximum reading is obtained, the antenna elevation and polarization will be varied between specified limits to maximize the readings. All of the interface cables were manipulated according to ANSI C63.4 requirements.

The highest internal source of the EUT is defined as the highest frequency generated or used within the EUT or on which the EUT operates or tunes. If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, the measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.

## 6.3. Spectrum Analyzer Configuration (for the frequencies tested)

Frequency Range:	30MHz--1000MHz
Detector Function:	Quasi-Peak Mode
Resolution Bandwidth:	120kHz

Frequency Range:	Above 1000MHz
Detector Function:	Peak/Average Mode
Resolution Bandwidth:	1MHz

#### 6.4. Measurement Equipment Used:

Location Chamber02	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Radiation (Chamber02)	BILOG Antenna 17	Schwarzbeck	Schwarzbeck VULB 9168+EMCI-N-6-05	645	03/09/2020	03/09/2021
Radiation (Chamber02)	Preamplifier 25	EMCI	EMC9135	980295	03/05/2020	03/05/2021
Radiation (Chamber02)	Coaxial Cable Chmb 02-10M-02	EMC	RG214U	Chmb 02-10M-02	10/14/2020	10/14/2021
Radiation (Chamber02)	EMI Receiver 12	ROHDE & SCHWARZ	ESCI	100804	08/19/2020	08/19/2021

Location Conducted	Equipment Name	Brand	Model	S/N	Last Cal. Date	Next Cal. Date
Chamber 19	Spectrum analyzer	R&S	FSV40	101919	08/13/2020	08/13/2021
Chamber 19	EMI Receiver	R&S	ESR3	102461	05/05/2020	05/05/2021
Chamber 19	Loop Antenna	EM	EM-6879	271	05/21/2020	05/21/2021
Chamber 19	Bilog Antenna (30MHz-1GHz)	Schwarzbeck	VULB9168 w 5dB Att.	736	02/11/2020	02/11/2021
Chamber 19	Horn antenna (1GHz-18GHz)	ETS LINDGREN	3117	00218718	09/25/2020	09/25/2021
Chamber 19	Horn antenna (18GHz-26GHz)	Com-power	AH-826	081001	11/23/2020	11/23/2021
Chamber 19	Horn antenna (26GHz-40GHz)	Com-power	AH-640	100A	03/13/2020	03/13/2021
Chamber 19	Preamplifier (9kHz-1GHz)	HP	8447F	3113A04621	06/19/2020	06/19/2021
Chamber 19	Preamplifier (1GHz-26GHz)	EM	EM01M26G	060681	05/04/2020	05/04/2021
Chamber 19	Preamplifier (26GHz-40GHz)	MITEQ	JS4-26004000-27-5A	818471	05/04/2020	05/04/2021
Chamber 19	RF Cable (9kHz-18GHz)	HUBER SUHNER	Sucoflex 104A	MY1397/4A	01/10/2020	01/10/2021
Chamber 19	RF Cable (18GHz-40GHz)	HUBER SUHNER	Sucoflex 102	27963/2&37421/2	11/19/2020	11/19/2021
Chamber 19	Signal Generator	Anritsu	MG3692A	20311	01/06/2020	01/06/2021
Chamber 19	Test Software	Audix	E3 Ver:6.12023	N/A	N/A	N/A

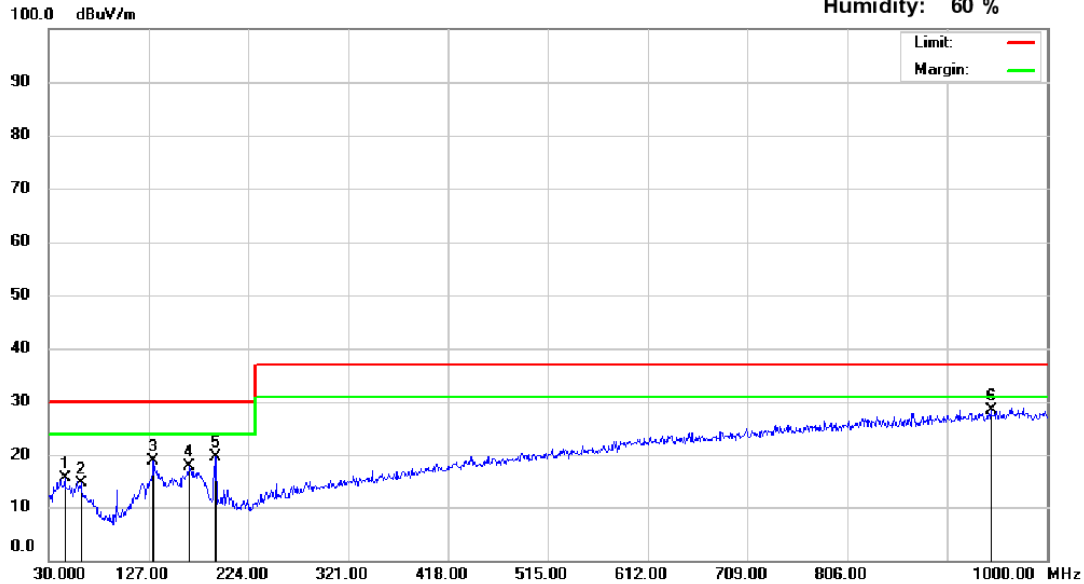
## 6.5. Measurement Result:



Address: No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist.,  
Tao Yuan City 325, Taiwan.  
Tel: 03-4071718

Radiated Emission Measurement  
Date: 2020/12/7

Operator: Ted Fan  
Temperature: 26 °C  
Humidity: 60 %



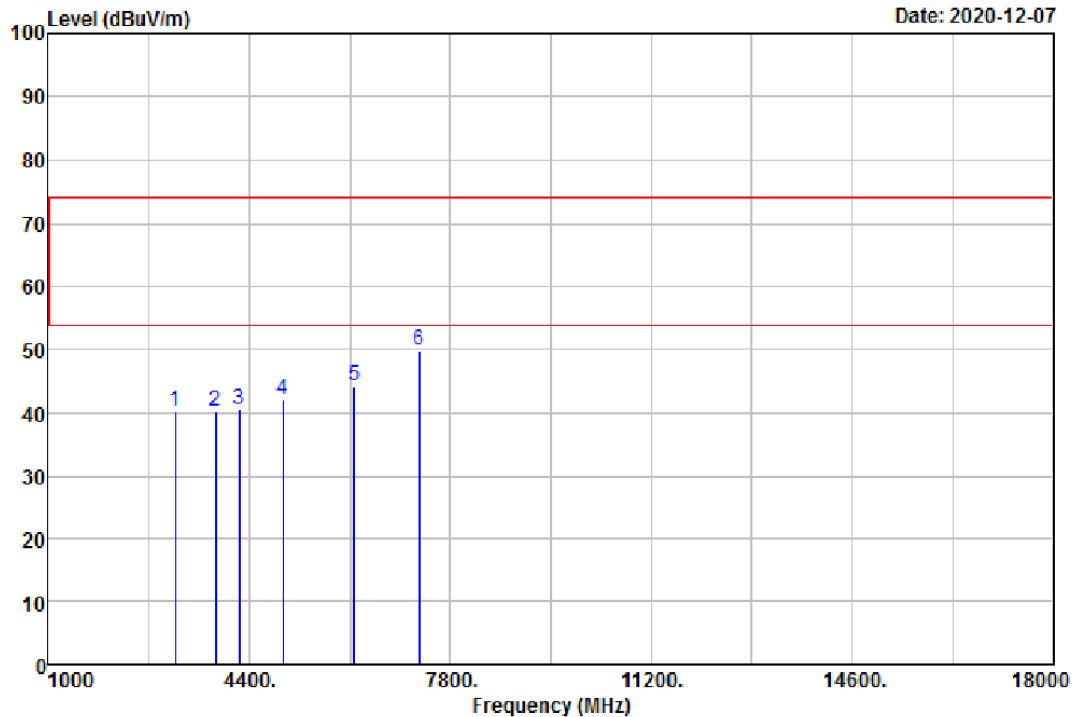
Site : Chamber 02

Polarization: *Vertical*

Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor (dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	45.52	32.84	-17.18	15.66	30.00	-14.34	100	30	peak
2	61.04	32.24	-17.61	14.63	30.00	-15.37	100	169	peak
3	131.85	36.23	-17.23	19.00	30.00	-11.00	100	125	peak
4	166.77	33.76	-15.82	17.94	30.00	-12.06	100	141	peak
5	191.99	37.85	-18.20	19.65	30.00	-10.35	100	17	peak
6	945.68	29.31	-0.97	28.34	37.00	-8.66	400	55	peak



International Standard Laboratory Corp.  
Company Address: No. 120, Lane 180, Hsin Ho Rd.  
Lung-Tan Dist., Tao Yuan City 325, Taiwan  
Tel: (03) 4071718 ; Fax: (03) 4071738  
Web: www.isl.com.tw



Condition: FCC CLASS B 3M PK 3m VERTICAL  
Site : Chamber 19

Operator : Jason

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	3142.00	50.13	-9.74	40.39	74.00	-33.61	Peak	VERTICAL
2	3822.00	48.83	-8.60	40.23	74.00	-33.77	Peak	VERTICAL
3	4230.00	48.61	-8.09	40.52	74.00	-33.48	Peak	VERTICAL
4	4961.00	48.58	-6.44	42.14	74.00	-31.86	Peak	VERTICAL
5	6168.00	47.63	-3.47	44.16	74.00	-29.84	Peak	VERTICAL
6	7273.00	52.77	-2.83	49.94	74.00	-24.06	Peak	VERTICAL

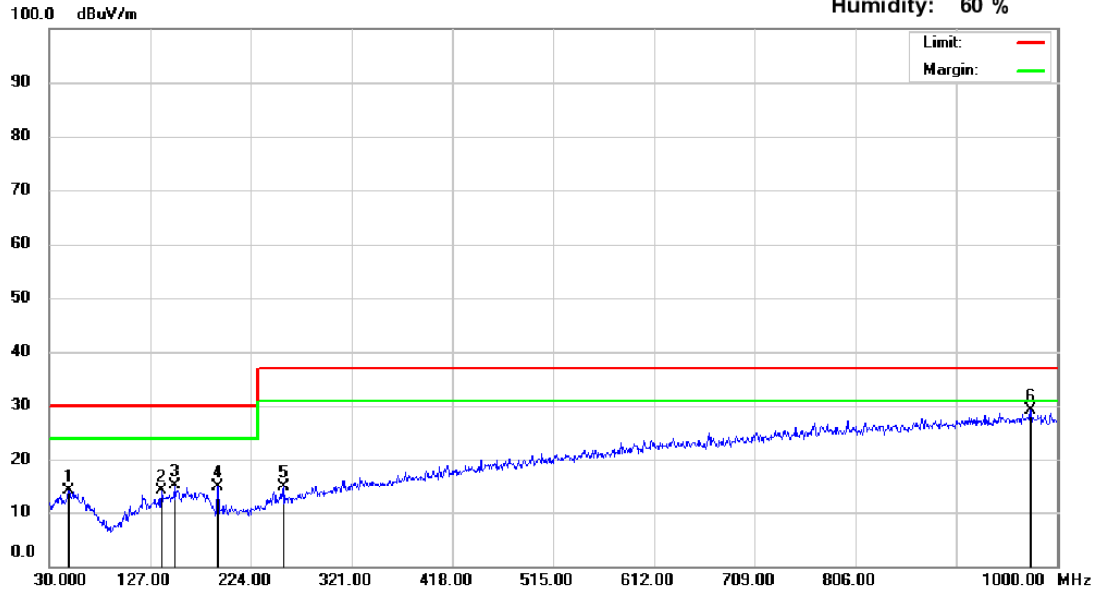


Address: No. 120, Lane 180, Hsin Ho Rd., Lung-Tan Dist.,  
Tao Yuan City 325, Taiwan.  
Tel: 03-4071718

**Radiated Emission Measurement**

Date: 2020/12/11

Operator: Ted Fan  
Temperature: 26 °C  
Humidity: 60 %



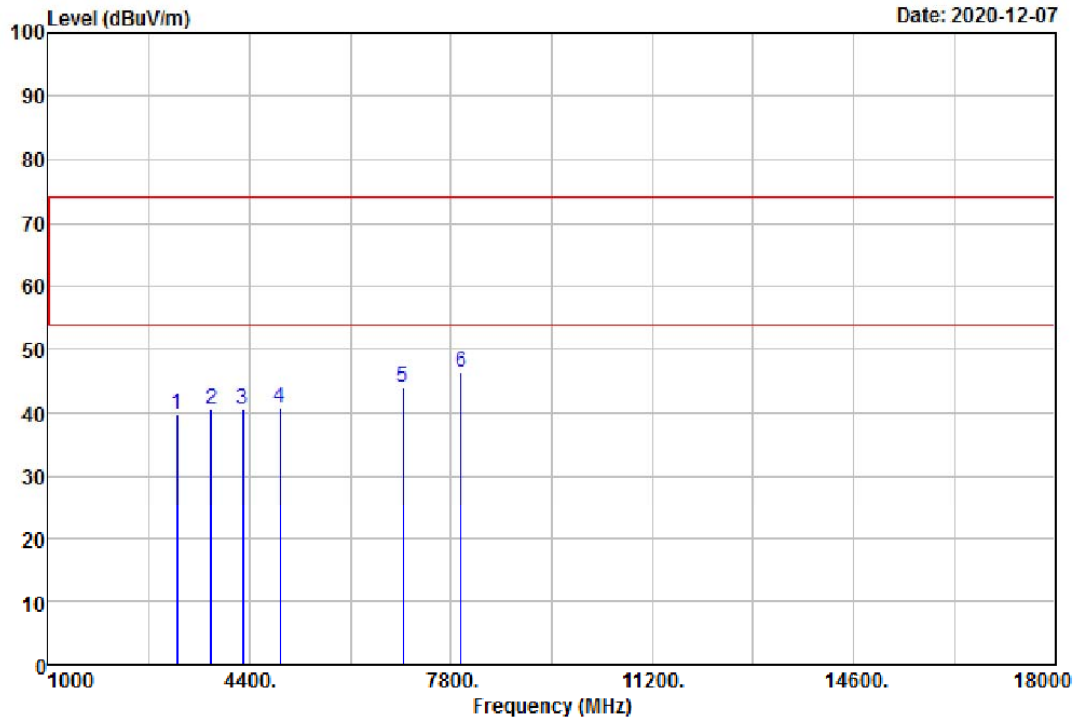
Site : Chamber 02

Polarization: *Horizontal*

Mk.	Frequency (MHz)	RX_R (dBuV)	Correct Factor (dB/m)	Emission (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.Pos (cm)	Tab.Pos (deg.)	Detector
1	48.43	31.21	-17.03	14.18	30.00	-15.82	120	360	peak
2	137.67	30.70	-16.66	14.04	30.00	-15.96	400	17	peak
3	150.28	30.92	-15.83	15.09	30.00	-14.91	200	136	peak
4	191.99	33.08	-18.20	14.88	30.00	-15.12	300	360	peak
5	256.01	30.92	-16.04	14.88	37.00	-22.12	300	334	peak
6	974.78	29.51	-0.48	29.03	37.00	-7.97	299	0	peak



International Standard Laboratory Corp.  
Company Address: No. 120, Lane 180, Hsin Ho Rd.  
Lung-Tan Dist., Tao Yuan City 325, Taiwan  
Tel: (03) 4071718 ; Fax: (03) 4071738  
Web: www.isl.com.tw



Condition: FCC CLASS B 3M PK 3m HORIZONTAL  
Site : Chamber 19

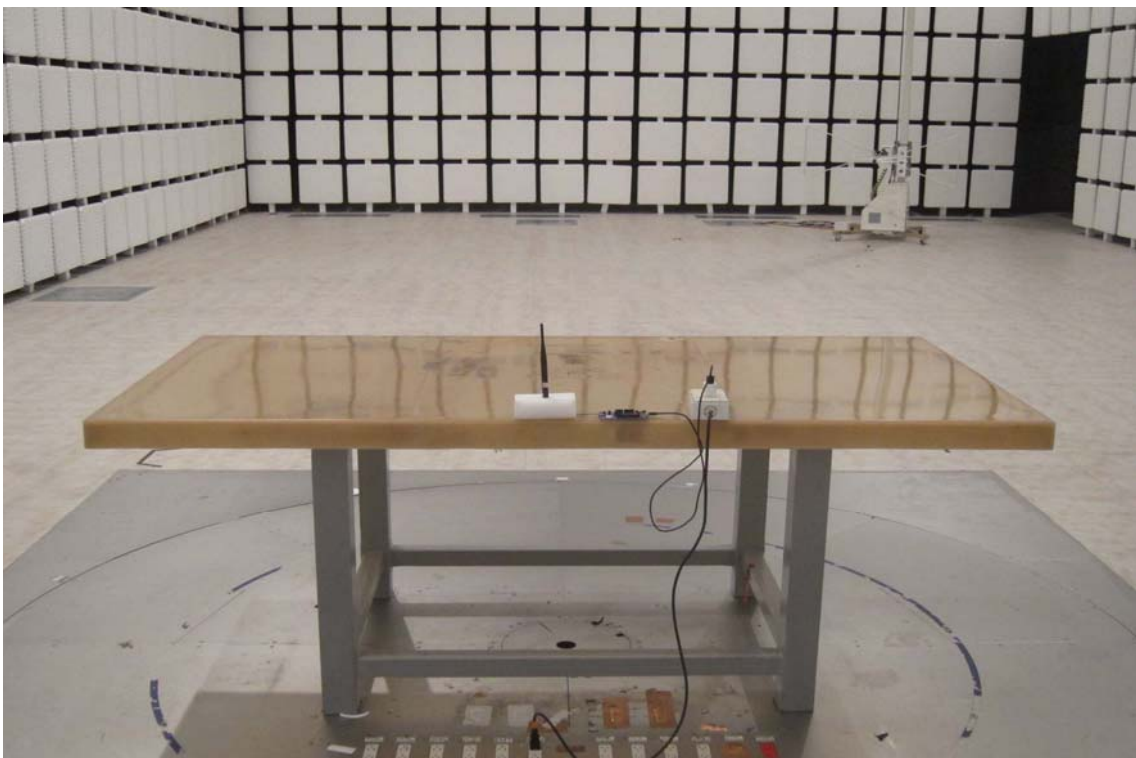
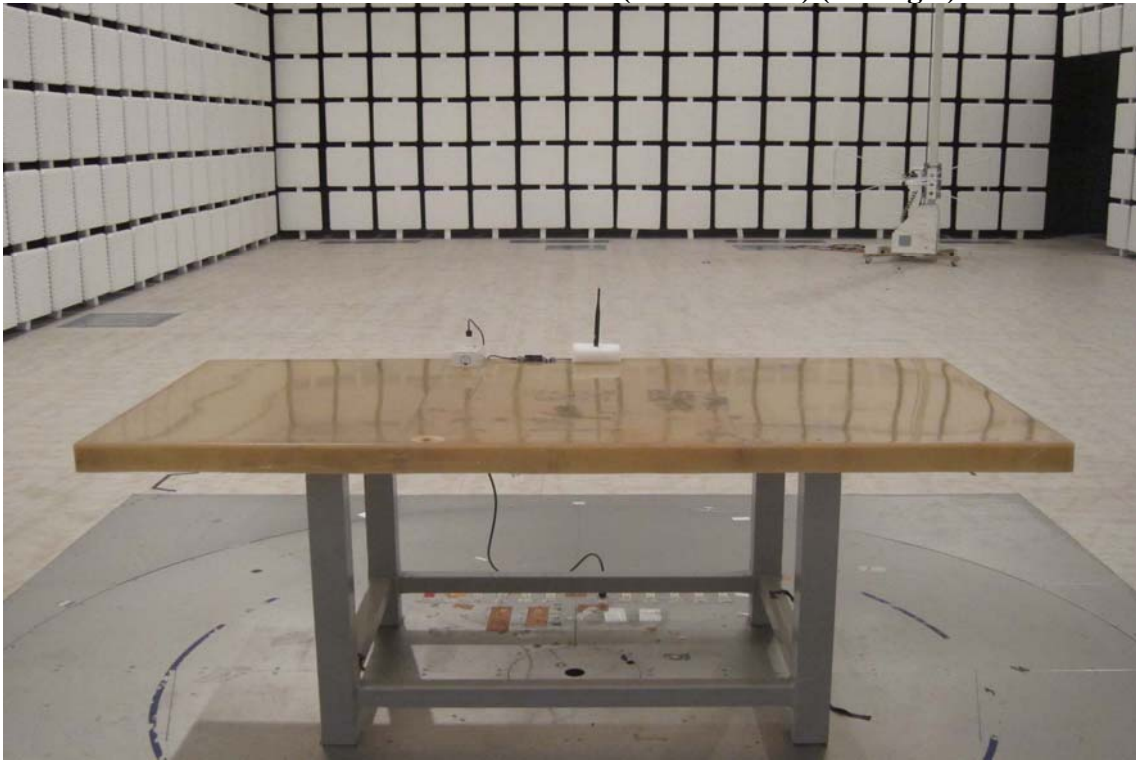
Operator : Jason

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark	Pol/Phase
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB		
1	3176.00	49.62	-9.80	39.82	74.00	-34.18	Peak	HORIZONTAL
2	3754.00	49.20	-8.63	40.57	74.00	-33.43	Peak	HORIZONTAL
3	4281.00	48.51	-7.87	40.64	74.00	-33.36	Peak	HORIZONTAL
4	4910.00	47.33	-6.60	40.73	74.00	-33.27	Peak	HORIZONTAL
5	6984.00	47.02	-2.96	44.06	74.00	-29.94	Peak	HORIZONTAL
6	7970.00	48.13	-1.86	46.27	74.00	-27.73	Peak	HORIZONTAL

# **Appendix 1**

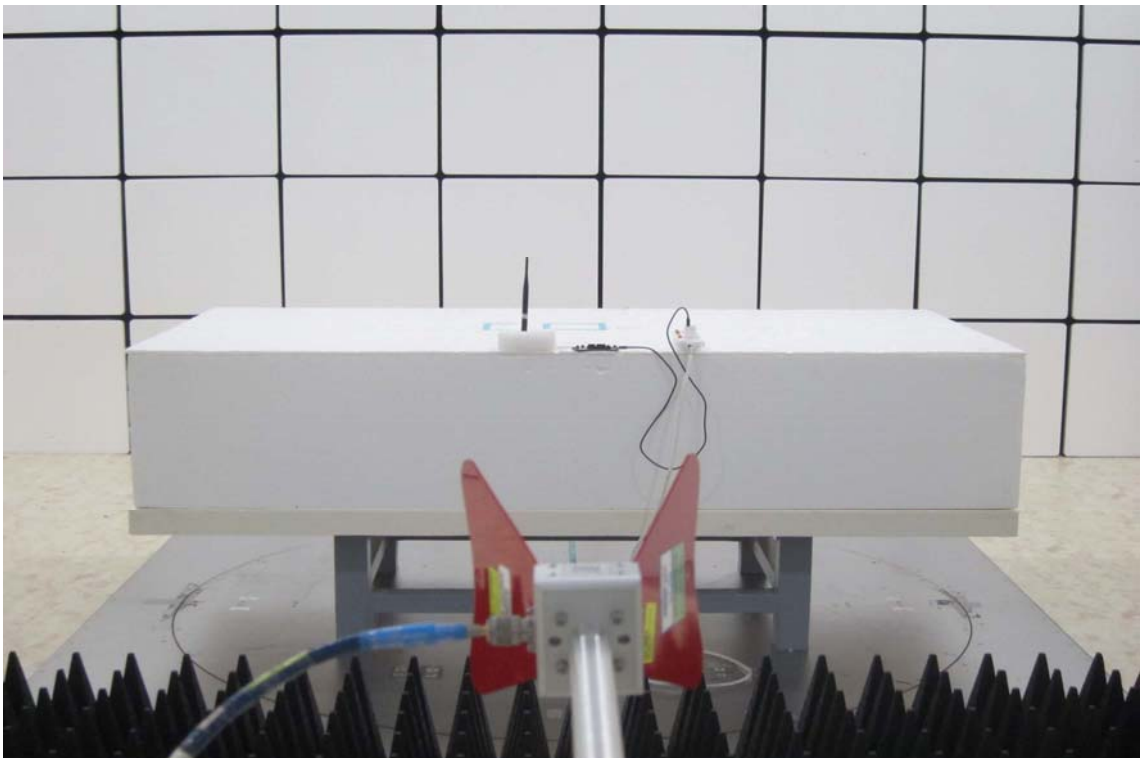
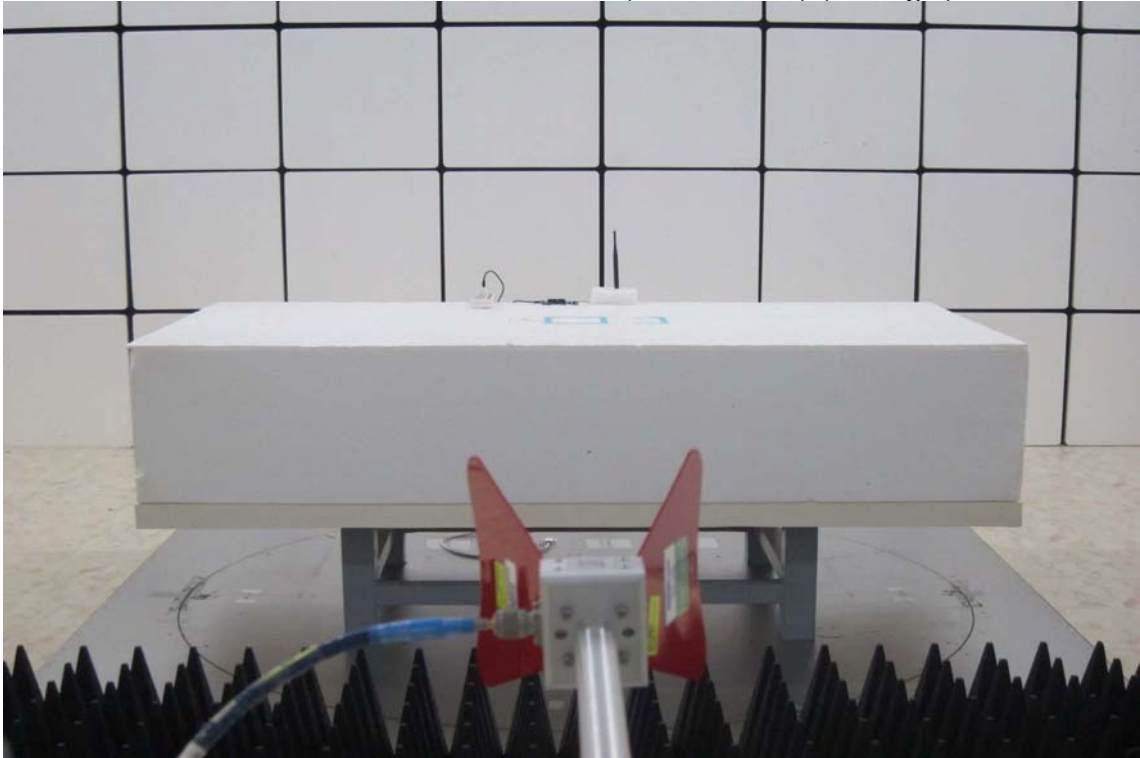
## **Photographs of Set Up**

**RADIATED EMISSION TEST (under 1GHz) (Config 1)**





**RADIATED EMISSION TEST (above 1GHz) (Config 1)**



**AC POWER LINE CONDUCTED EMISSION TEST (Config 1)**



## **Appendix 2**

# **Photographs of EUT**

Please refer to the file ISL-20LR293P