

# Test Report of FCC CFR 47 Part 15 Subpart B

On Behalf of

## Shenzhen Deyu Baina Technology Co., Ltd.

**FCC ID:** 2AAD9IP013A  
**Product Description:** Smart Bear Kid's PAD  
**Model No.:** IP013A  
**Supplementary Model:** N/A  
**Brand Name:** Smart Bear  
  
**Prepared for:** Shenzhen Deyu Baina Technology Co., Ltd.  
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**Report No.:** BCT13ER146E-1  
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# 1. GENERAL INFORMATION

## 1.1 Product Description for Equipment Under Test (EUT)

### Client Information

Applicant:	<b>Shenzhen Deyu Baina Technology Co., Ltd.</b>
Address of Applicant:	4th FL, Building J, WeiKangDe Industrial Park, ShangXue Area, JiHua RD, BanTian, Shenzhen, Guangdong, China.
Manufacturer:	<b>Shenzhen Deyu Baina Technology Co., Ltd.</b>
Address of Manufacturer:	4th FL, Building J, WeiKangDe Industrial Park, ShangXue Area, JiHua RD, BanTian, Shenzhen, Guangdong, China.

### General Description of E.U.T

Items	Description
EUT Description:	Smart Bear Kid's PAD
Trade Name:	Smart Bear
Model No.:	IP013A
Supplementary Model:	N/A
Frequency Band:	IEEE 802.11b/g, IEEE 802.11n HT20 (ISM Band) : 2412MHz~2462MHz, IEEE 802.11n HT40 (ISM Band) : 2422MHz~2452MHz
Channel Spacing:	IEEE 802.11b/g, 802.11n HT20/HT40: 5MHz
Number of Channels:	IEEE 802.11b/g, 802.11n HT20: 11 Channels IEEE 802.11n HT40 : 7 Channels
Transmit Data Rate:	maximum of 150Mbps
Type of Modulation:	IEEE 802.11b:DSSS (CCK, DQPSK, DBPSK) IEEE 802.11g:OFDM (64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n HT20/40:OFDM (64QAM, 16QAM, QPSK, BPSK)
CPU Speed:	1000MHz
Antenna Type:	Built-in Antenna
Antenna Gain:	3dBi
Power Supply:	Input: 5VDC 1.5A from adapter ; 3.7V 3000mAh for battery
Adapter Information:	TRAVEL CHARGER Model: LFS0501500D-A8S Input: AC 100-240V 50/60Hz 0.5A Output: 5VDC 1.5A

\* The test data gathered are from the production sample provided by the manufacturer.

\* The model has the same circuit and appearance, but with different color.

## **1.2 Test Standards**

The report of EUT is prepared in accordance with FCC Rules and Regulations Part 15 Subpart B  
The objective of the manufacturer is to demonstrate compliance with the described above standards.

## **1.3 Test Facility**

All measurement required was performed at laboratory of Shenzhen Bontek Compliance Testing Laboratory Co., Ltd. at 1/F, Block East H-3, OCT Eastern Ind. Zone, Qiaocheng East Road, Nanshan, Shenzhen, China.

The test facility is recognized, certified, or accredited by the following organizations:

### **FCC – Registration No.: 338263**

Shenzhen Bontek Compliance Testing Laboratory Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration 338263, March 03, 2011.

### **IC Registration No.: 7631A**

The 3m alternate test site of Shenzhen Bontek Compliance Testing Laboratory Co., Ltd. EMC Laboratory has been registered by Certification and Engineer Bureau of Industry Canada for the performance of with Registration NO.: 7631A on January 25, 2011.

### **CNAS - Registration No.: L3923**

Shenzhen Bontek Compliance Testing Laboratory Co., Ltd. to ISO/IEC 17025:25 General Requirements for the Competence of Testing and Calibration Laboratories(CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing. The acceptance letter from the CNAS is maintained in our files: Registration: L3923, March 22,2012.

### **TUV - Registration No.: UA 50242657-0001**

Shenzhen Bontek Compliance Testing Laboratory Co., Ltd. An assessment of the laboratory was conducted according to the "Procedures and Conditions for EMC Test Laboratories" with reference to EN ISO/IEC 17025 by a TUV Rheinland auditor. Audit Report NO. 17010783-003.

## 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 that intends to maximize its emission characteristics in a continuous normal application.

### 2.2 Support Equipments

The calibrated antennas used to sample the radiated field strength are mounted on a non-conductive, motorized antenna mast 3 or 10 meters from the leading edge of the turntable.

Support equipments or special accessories in test configuration:

AUX Description:	Manufacturer	Model No.	Certificate	CABLE
Host Computer	Dell	78MD82X	CE, FCC	1.5m Unshielded Power Cord
Monitor	Dell	E178Pc	CE, FCC	1.5m Unshielded Power Cord 1.8m shielded data Cable with core
Keyboard	Dell	L100	CE, FCC	1.8m shielded data Cable with core
Mouse	Dell	OCJ339	CE, FCC	1.8m shielded data Cable with core
Printer	EPSON	P330A	CE, FCC	1.2m Unshielded Power Cord 1.5m shielded data Cable

### 2.3 General Test Procedures

Conducted Emissions: The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 7.1 of ANSI C63.4-2009 Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak detector mode.

Radiated Emissions: The EUT is placed on as turntable, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4-2009.

### 2.4 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Parameter	Uncertainty
Power Line Conducted Emission	+/- 2.3 dB
Radiated Emission	+/- 3.4 dB

Uncertainty figures are valid to a confidence level of 95%.

## 2.5 List of Measuring Equipments Used

Test equipments list of Shenzhen Bontek Compliance Testing Laboratory Co., Ltd.

No.	Instrument no.	Equipment	Manufacturer	Model No.	S/N	Last Calculator	Due Calculator
1	BCT-EMC001	EMI Test Receiver	R&S	ESCI	100687	2013-4-16	2014-4-17
2	BCT-EMC002	EMI Test Receiver	R&S	ESPI	100097	2012-11-1	2013-10-31
3	BCT-EMC020	Teo Line Single Phase Module	SCHWARZBECK	NSLK8128	8128247	2012-11-1	2013-10-31
4	BCT-EMC003	Amplifier	HP	8447D	1937A02492	2013-4-19	2014-4-18
5	BCT-EMC007	Positioning Controller	C&C	CC-C-1F	MF7802113	N/A	N/A
6	BCT-EMC037	Broadband preamplifier	SCH WARZBECK	BBV9718	9718-182	2013-4-19	2014-4-18
7	BCT-EMC018	TRILOG Broadband Test-Antenna	SCHWARZBECK	VULB9163	9163-324	2013-5-19	2014-5-18
8	BCT-EMC019	Horn Antenna	SCHWARZBECK	BBHA9120A	0499	2012-11-28	2013-11-27
9	BCT-EMC038	Horn Antenna	SCHWARZBECK	BBHA9170	0483	2013-4-5	2014-4-4
10	BCT-EMC031	9kHz-2.4GHz signal generator 2024	MARCONI	10S/6625-99-457-8730	112260/042	2013-4-16	2014-4-15
11	BCT-EMC032	10dB attenuator	ELECTRO-METRICS	EM-7600	836	2013-4-16	2014-4-15
12	BCT-EMC036	Spectrum Analyzer	R&S	FSP	100397	2012-11-1	2013-10-31

### 3. SUMMARY OF TEST RESULTS

Standard	Test Items	Result
FCC Part 15 Subpart B	Conduction Emission, 0.15MHz to 30MHz	Pass
FCC Part 15 Subpart B	Radiation Emission, 30MHz to 1000MHz	Pass

#### 4. TEST OF AC POWER LINE CONDUCTED EMISSION

## 4.1 Limit of AC Power Line Conducted Emission

Frequency Range (MHz)	Limits ( dBuV)	
	Quasi-Peak	Average
0.150~0.500	66~56	56~46
0.500~5.000	56	46
5.000~30.00	60	50

## 4.2 EUT Setup

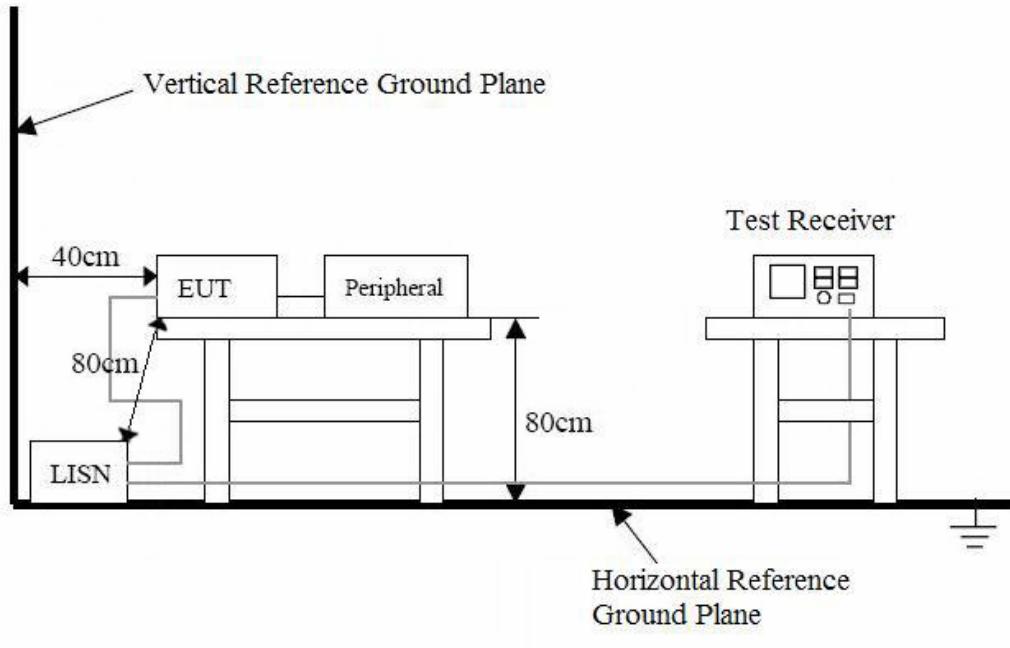
The setup of EUT is according with ANSI C63.4-2009 measurement procedure. The specification used was the FCC Rules and Regulations Part 15 Subpart B limits.

The EUT was placed center and the back edge of the test table.

The AV cables were draped along the test table and bundled to 30-40cm in the middle.

The spacing between the peripherals was 10 cm.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.



Remark: The EUT was connected to a 120VAC/ 60Hz power source.

### 4.3 Instrument Setup

The test receiver was set with the following configurations:

Test Receiver Setting:

Frequency Range.....150 KHz to 30 MHz  
Detector.....Peak & Quasi-Peak & Average  
Sweep Speed.....Auto  
IF Band Width.....9 KHz

### 4.4 Test Procedure

During the conducted emission test, the EUT power cord was connected to the auxiliary outlet of the first Artificial Mains.

Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance using all installation combination.

All data was recorded in the peak detection mode. Quasi-peak and Average readings were only performed when an emission was found to be marginal (within -10 dB $\mu$ V of specification limits). Quasi-peak readings are distinguished with a "QP". Average readings are distinguished with a "AV".

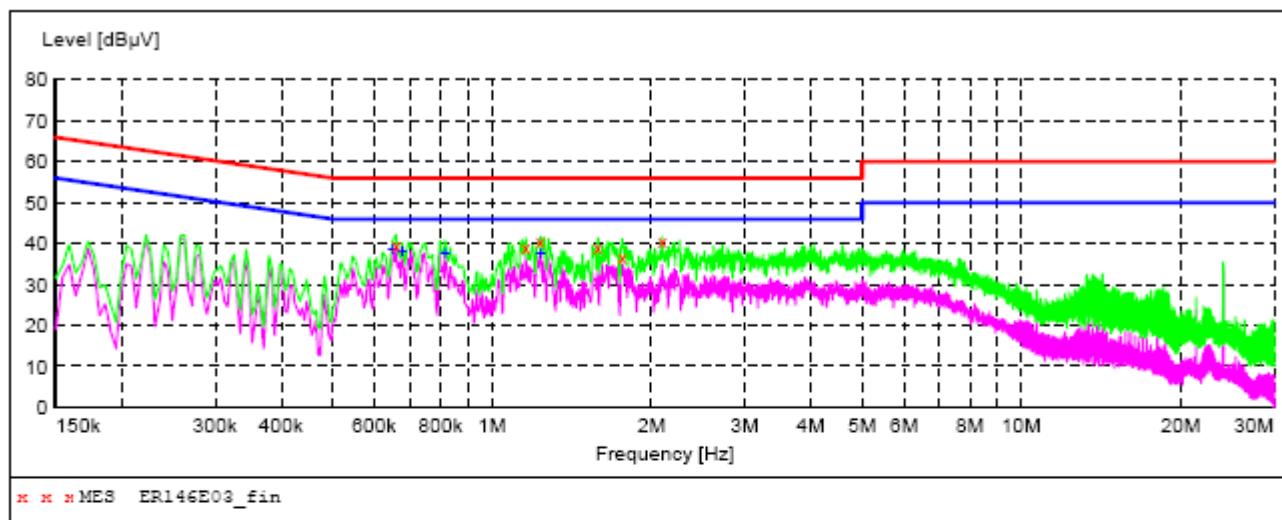
### 4.5 Test Result

Temperature ( °C ) : 22~23	EUT: Smart Bear Kid's PAD
Humidity (%RH ) : 50~54	M/N: IP013A
Barometric Pressure ( mbar ) : 950~1000	Operation Condition: Connect to PC with data switching & SD Card Reading /Charging & Camera

## Conducted Emission:

EUT: Smart Bear Kid's PAD  
M/N: IP013A  
Operating Condition: Connect to PC with data switching & SD Card Reading  
Test Site: Shielded Room  
Operator: Yang  
Test Specification: AC 120V/60Hz for PC  
Comment: L Line

**SCAN TABLE: "Voltage (150K-30M) FIN"**  
Short Description: 150K-30M Voltage



### MEASUREMENT RESULT: "ER146E03\_fin"

5/9/2013 8:05PM

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.658500	39.80	10.4	56	16.2	QP	L1	GND
1.158000	39.00	10.4	56	17.0	QP	L1	GND
1.234500	40.80	10.4	56	15.2	QP	L1	GND
1.585500	39.00	10.4	56	17.0	QP	L1	GND
1.761000	36.80	10.4	56	19.2	QP	L1	GND
2.098500	40.70	10.4	56	15.3	QP	L1	GND

### MEASUREMENT RESULT: "ER146E03\_fin2"

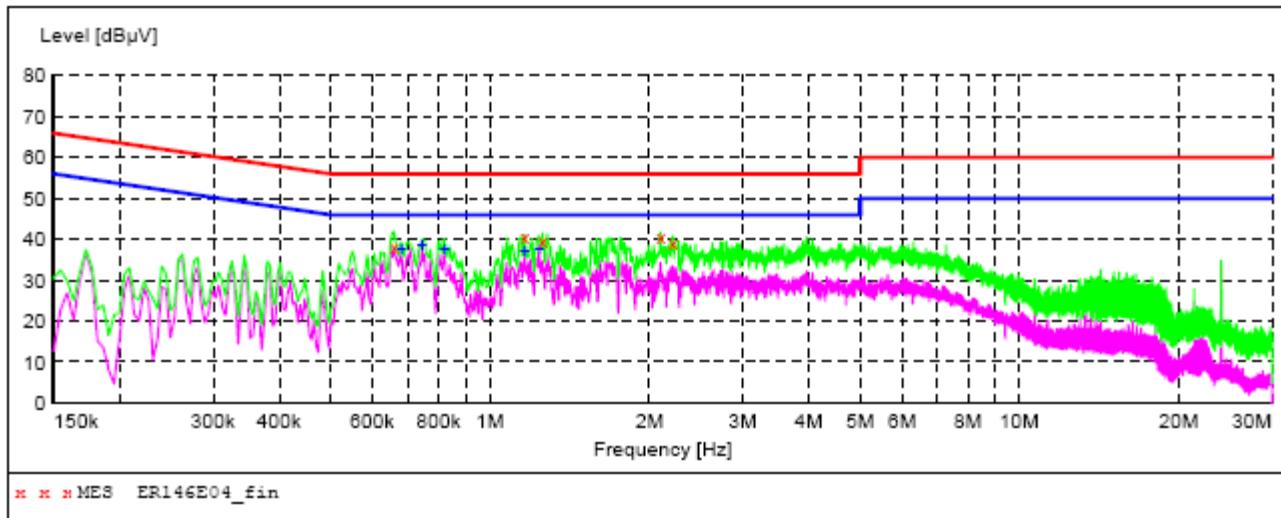
5/9/2013 8:05PM

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.649500	38.50	10.4	46	7.5	AV	L1	GND
0.676500	38.00	10.4	46	8.0	AV	L1	GND
0.816000	37.80	10.4	46	8.2	AV	L1	GND
1.234500	37.90	10.4	46	8.1	AV	L1	GND

## Conducted Emission:

EUT: Smart Bear Kid's PAD  
M/N: IP013A  
Operating Condition: Connect to PC with data switching & SD Card Reading  
Test Site: Shielded Room  
Operator: Yang  
Test Specification: AC 120V/60Hz for PC  
Comment: N Line

**SCAN TABLE: "Voltage (150K-30M) FIN"**  
Short Description: 150K-30M Voltage



### MEASUREMENT RESULT: "ER146E04\_fin"

5/9/2013 8:08PM

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.658500	38.10	10.4	56	17.9	QP	N	GND
1.162500	40.40	10.4	56	15.6	QP	N	GND
1.257000	39.80	10.4	56	16.2	QP	N	GND
2.103000	40.40	10.4	56	15.6	QP	N	GND
2.215500	39.10	10.4	56	16.9	QP	N	GND

### MEASUREMENT RESULT: "ER146E04\_fin2"

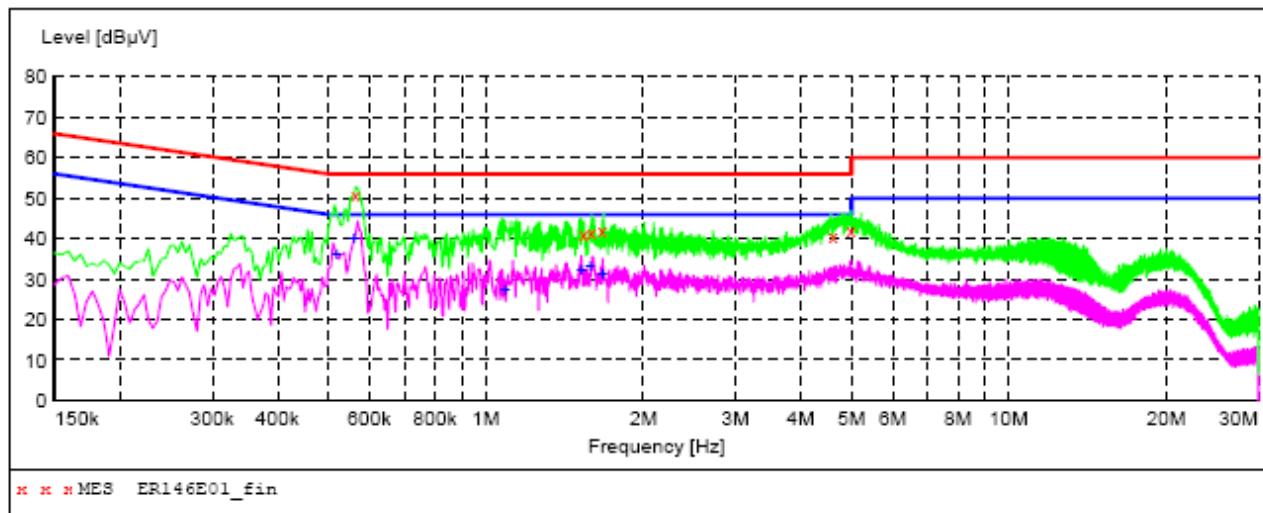
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Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.681000	37.90	10.4	46	8.1	AV	N	GND
0.744000	38.80	10.4	46	7.2	AV	N	GND
0.820500	37.80	10.4	46	8.2	AV	N	GND
1.162500	37.10	10.4	46	8.9	AV	N	GND
1.239000	37.60	10.4	46	8.4	AV	N	GND

**Conducted Emission:**

EUT: Smart Bear Kid's PAD  
M/N: IP013A  
Operating Condition: Charging & Camera  
Test Site: Shielded Room  
Operator: Yang  
Test Specification: AC 120V/60Hz for Adapter  
Comment: L Line

**SCAN TABLE: "Voltage (150K-30M) FIN"**  
Short Description: 150K-30M Voltage

**MEASUREMENT RESULT: "ER146E01\_fin"**

5/9/2013 1:54PM

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.564000	51.00	10.5	56	5.0	QP	L1	GND
1.536000	41.10	10.4	56	14.9	QP	L1	GND
1.590000	41.60	10.4	56	14.4	QP	L1	GND
1.671000	41.90	10.4	56	14.1	QP	L1	GND
4.605000	40.70	10.4	56	15.3	QP	L1	GND
4.987500	41.90	10.4	56	14.1	QP	L1	GND

**MEASUREMENT RESULT: "ER146E01\_fin2"**

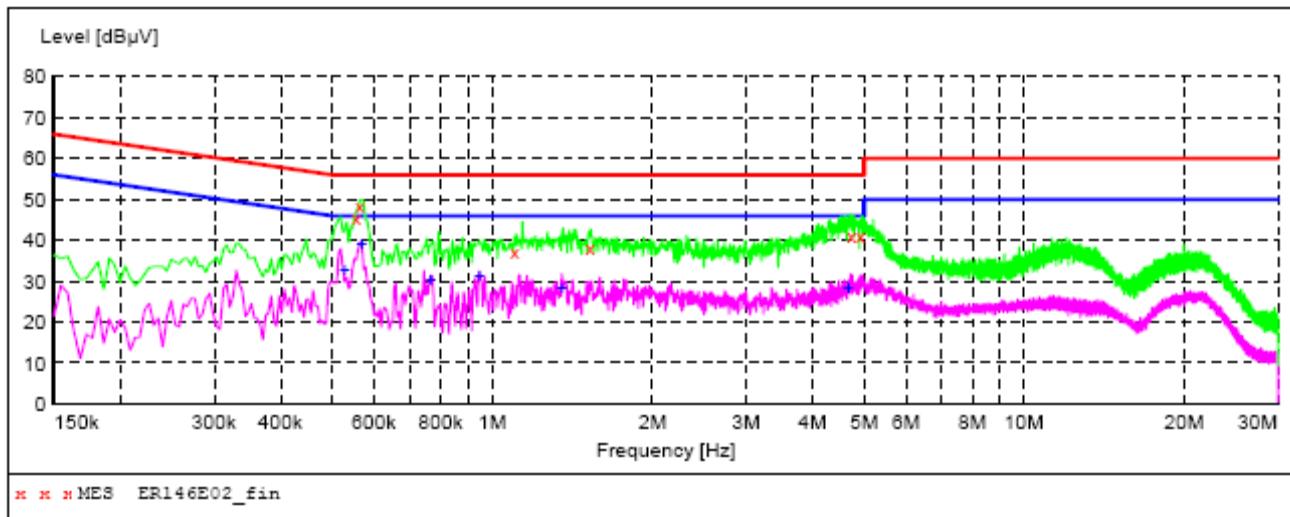
5/9/2013 1:54PM

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.519000	36.30	10.5	46	9.7	AV	L1	GND
0.559500	40.10	10.5	46	5.9	AV	L1	GND
1.090500	27.40	10.5	46	18.6	AV	L1	GND
1.522500	32.10	10.4	46	13.9	AV	L1	GND
1.585500	33.10	10.4	46	12.9	AV	L1	GND
1.675500	31.50	10.4	46	14.5	AV	L1	GND

## Conducted Emission:

EUT: Smart Bear Kid's PAD  
M/N: IP013A  
Operating Condition: Charging & Camera  
Test Site: Shielded Room  
Operator: Yang  
Test Specification: AC 120V/60Hz for Adapter  
Comment: N Line

**SCAN TABLE: "Voltage (150K-30M) FIN"**  
Short Description: 150K-30M Voltage



### MEASUREMENT RESULT: "ER146E02\_fin"

5/9/2013 1:51PM

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.555000	45.60	10.5	56	10.4	QP	N	GND
0.564000	48.40	10.5	56	7.6	QP	N	GND
1.104000	37.40	10.5	56	18.6	QP	N	GND
1.527000	38.20	10.4	56	17.8	QP	N	GND
4.740000	41.40	10.4	56	14.6	QP	N	GND
4.924500	40.90	10.4	56	15.1	QP	N	GND

### MEASUREMENT RESULT: "ER146E02\_fin2"

5/9/2013 1:51PM

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line	PE
0.528000	32.90	10.5	46	13.1	AV	N	GND
0.568500	39.10	10.4	46	6.9	AV	N	GND
0.766500	30.40	10.4	46	15.6	AV	N	GND
0.946500	31.40	10.4	46	14.6	AV	N	GND
1.351500	28.60	10.4	46	17.4	AV	N	GND
4.677000	28.20	10.4	46	17.8	AV	N	GND

## 5 - RADIATED DISTURBANCES

### 5.1 Limit of Radiated Disturbances

Frequency (MHz)	Distance (Meters)	Field Strengths Limits (dB $\mu$ V/m)
30 ~ 88	3	40
88~216	3	43.5
216 ~ 960	3	46
960 ~ 1000	3	54

Note:

- (1) The tighter limit shall apply at the edge between two frequency bands.
- (2) Distance refers to the distance in meters between the test instrument antenna and the closest point of any part of the E.U.T.

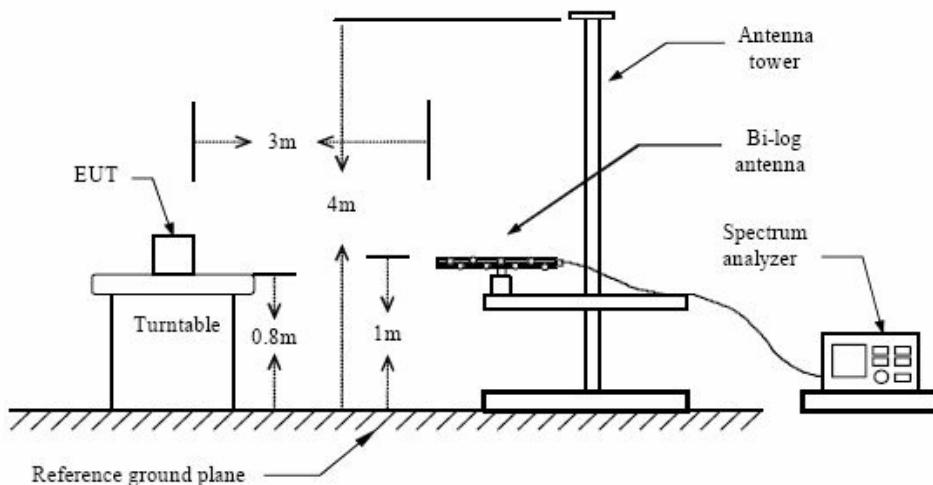
### 5.2 EUT Setup

The radiated emission tests were performed in the in the 3-meter anechoic chamber, using the setup accordance with the ANSI C63.4-2009. The specification used was the FCC Part 15 Subpart B limits.

The EUT was placed on the center of the test table.

Maximum emission emitted from EUT was determined by manipulating the EUT, support equipment, interconnecting cables and varying the mode of operation and the levels in the final result of the test were recorded with the EUT running in the operating mode that maximum emission was emitted.

#### Below 1 GHz



### 5.3 Test Receiver Setup

According to FCC Part 15 rule, the frequency was investigated from 30 to 1000 MHz. During the radiated emission test, the test receiver was set with the following configurations:

Test Receiver Setting:

Detector.....Peak & Quasi-Peak  
IF Band Width.....120KHz  
Frequency Range.....30MHz to 1000MHz  
Turntable Rotated.....0 to 360 degrees

Antenna Position:

Height.....1m to 4m  
Polarity.....Horizontal and Vertical

### 5.4 Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the peak detection mode. Quasi-peak readings performed only when an emission was found to be marginal (within  $-10 \text{ dB}\mu\text{V}$  of specification limits), and are distinguished with a "QP" in the data table.

### 5.5 Corrected Amplitude & Margin Calculation

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

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of  $-7 \text{ dB}\mu\text{V}$  means the emission is  $7 \text{ dB}\mu\text{V}$  below the maximum limit for Subpart B. The equation for margin calculation is as follows:

Margin = Limit – Corr. Ampl.

### 5.6 Radiated Emissions Test Result

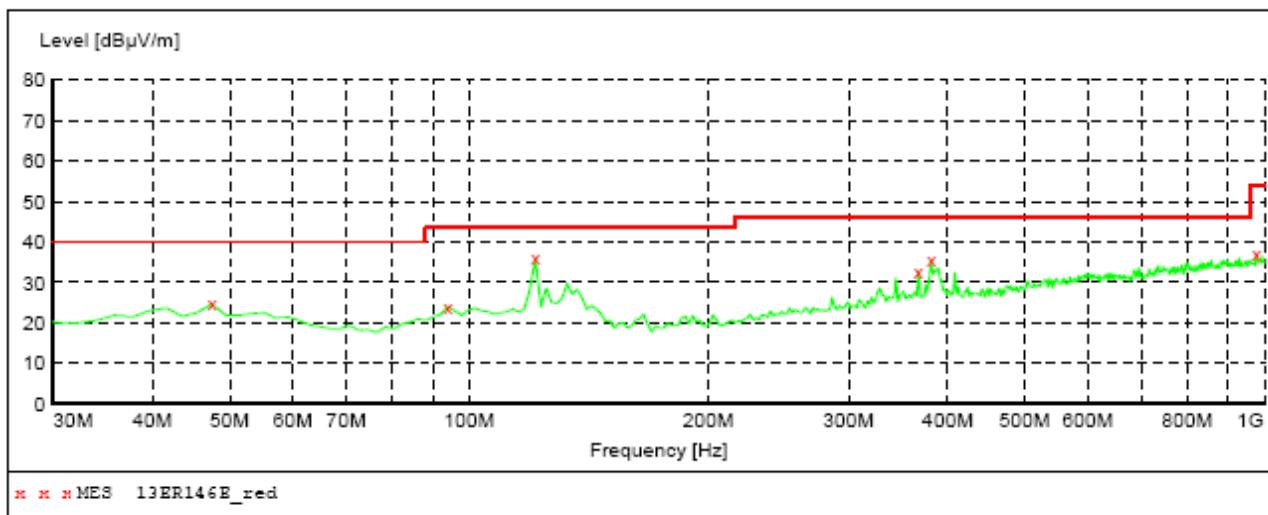
Temperature ( °C ) : 22~23	EUT: Smart Bear Kid's PAD
Humidity (%RH) : 50~54	M/N: IP013A
Barometric Pressure ( mbar ) : 950~1000	Operation Condition: Connect to PC with data switching & SD Card Reading /Charging & Camera

## Radiated Emission Test Data:

EUT: Smart Bear Kid's PAD  
 M/N: IP013A  
 Operating Condition: Connect to PC with data switching & SD Card Reading  
 Test Site: 3m CHAMBER  
 Operator: Chen  
 Test Specification: AC 120V/60Hz for PC  
 Comment: Polarization: Horizontal

### ***SWEET TABLE: "test (30M-1G)"***

Short Description:		Field Strength		
Start Frequency	Stop Frequency	Detector	Meas.	IF Transducer
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz VULB9163 NEW



### ***MEASUREMENT RESULT: "13ER146E\_red"***

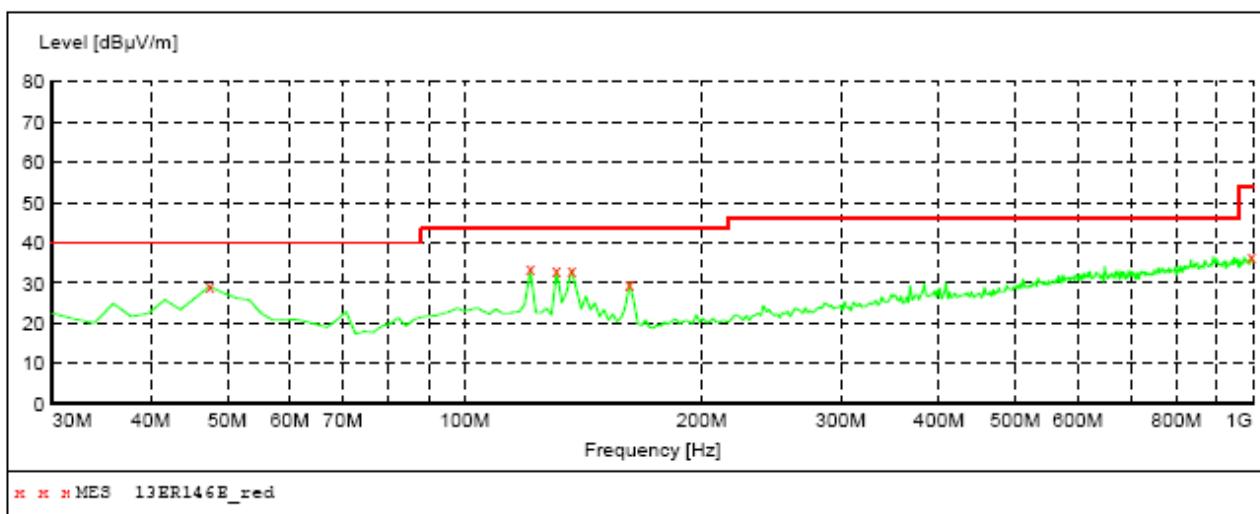
5/21/2013 14:16

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Det. QP	Height cm	Azimuth deg	Polarization
47.460000	24.70	15.8	40.0	15.3	QP	100.0	0.00	HORIZONTAL
94.020000	24.10	16.9	43.5	19.4	QP	100.0	0.00	HORIZONTAL
121.180000	36.00	14.5	43.5	7.5	QP	100.0	0.00	HORIZONTAL
367.560000	32.70	20.7	46.0	13.3	QP	100.0	0.00	HORIZONTAL
381.140000	35.70	20.9	46.0	10.3	QP	100.0	0.00	HORIZONTAL
978.660000	37.10	29.8	54.0	16.9	QP	100.0	0.00	HORIZONTAL

## Radiated Emission Test Data:

EUT: Smart Bear Kid's PAD  
M/N: IP013A  
Operating Condition: Connect to PC with data switching & SD Card Reading  
Test Site: 3m CHAMBER  
Operator: Chen  
Test Specification: AC 120V/60Hz for PC  
Comment: Polarization: Vertical

***SWEEP TABLE: "test (30M-1G)"***  
Short Description: Field Strength  
Start Stop Detector Meas. IF Transducer  
Frequency Frequency Time Bandw.  
30.0 MHz 1.0 GHz MaxPeak Coupled 100 kHz VULB9163 NEW



## MEASUREMENT RESULT: "13ER146E\_red"

5/21/2013 14:12

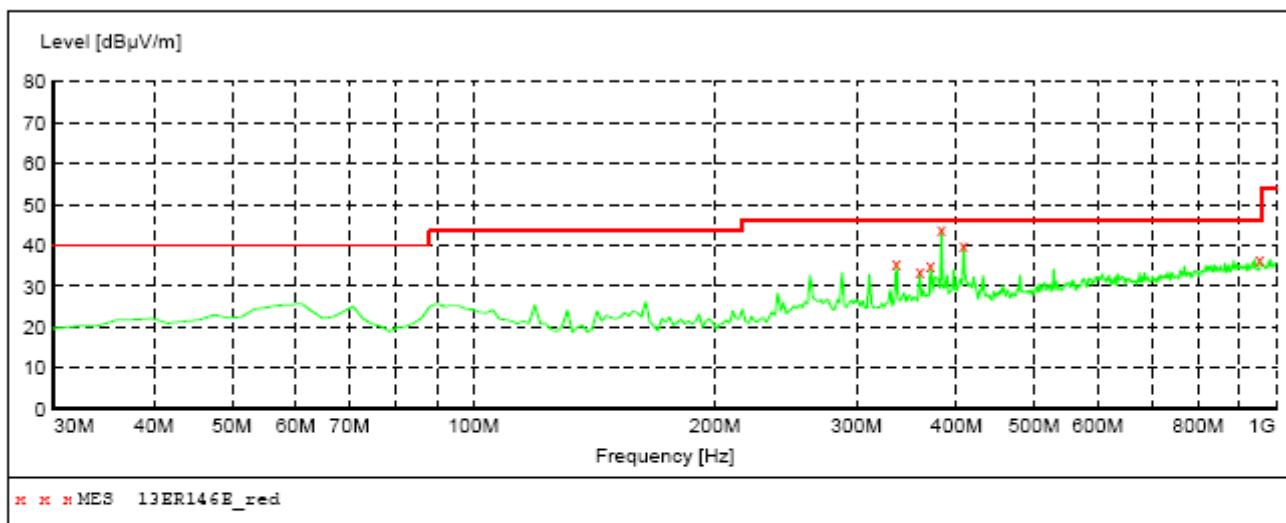
Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Det. QP	Height cm	Azimuth deg	Polarization
47.460000	29.20	15.8	40.0	10.8	QP	100.0	0.00	VERTICAL
121.180000	33.50	14.5	43.5	10.0	QP	100.0	0.00	VERTICAL
130.880000	33.20	13.0	43.5	10.3	QP	100.0	0.00	VERTICAL
136.700000	33.30	12.5	43.5	10.2	QP	100.0	0.00	VERTICAL
161.920000	29.90	12.8	43.5	13.6	QP	100.0	0.00	VERTICAL
996.120000	36.60	29.9	54.0	17.4	QP	100.0	0.00	VERTICAL

## Radiated Emission Test Data:

EUT: Smart Bear Kid's PAD  
M/N: IP013A  
Operating Condition: Charging & Camera  
Test Site: 3m CHAMBER  
Operator: Chen  
Test Specification: AC 120V/60Hz for Adapter  
Comment: Polarization: Horizontal

### ***SWEEP TABLE: "test (30M-1G)"***

Short Description:		Field Strength		
Start Frequency	Stop Frequency	Detector	Meas.	IF
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz
				Transducer
				VULB9163 NEW



### ***MEASUREMENT RESULT: "13ER146E\_red"***

5/21/2013 14:10

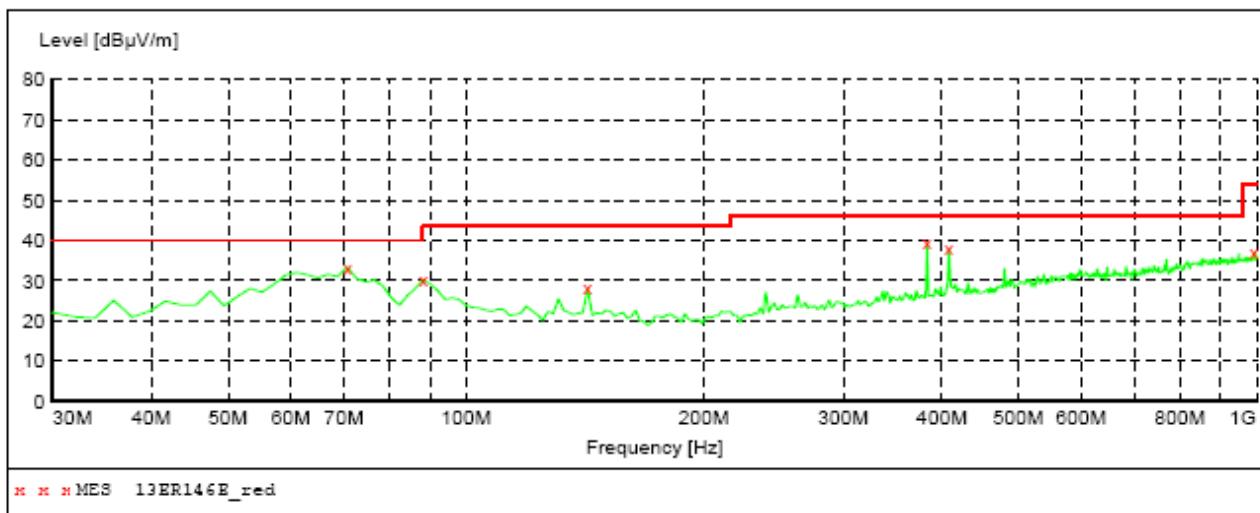
Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Det. QP	Height cm	Azimuth deg	Polarization
336.520000	35.80	20.0	46.0	10.2	QP	100.0	0.00	HORIZONTAL
359.800000	33.60	20.6	46.0	12.4	QP	100.0	0.00	HORIZONTAL
371.440000	35.20	20.8	46.0	10.8	QP	100.0	0.00	HORIZONTAL
383.080000	43.00	21.0	46.0	3.0	QP	100.0	0.00	HORIZONTAL
408.300000	40.00	21.7	46.0	6.0	QP	100.0	0.00	HORIZONTAL
955.380000	36.60	29.6	46.0	9.4	QP	100.0	0.00	HORIZONTAL

## Radiated Emission Test Data:

EUT: Smart Bear Kid's PAD  
M/N: IP013A  
Operating Condition: Charging & Camera  
Test Site: 3m CHAMBER  
Operator: Chen  
Test Specification: AC 120V/60Hz for Adapter  
Comment: Polarization: Vertical

### ***SWEET TABLE: "test (30M-1G)"***

Short Description:		Field Strength		
Start Frequency	Stop Frequency	Detector	Meas.	IF
Frequency	Frequency		Time	Bandw.
30.0 MHz	1.0 GHz	MaxPeak	Coupled	100 kHz
				VULB9163 NEW



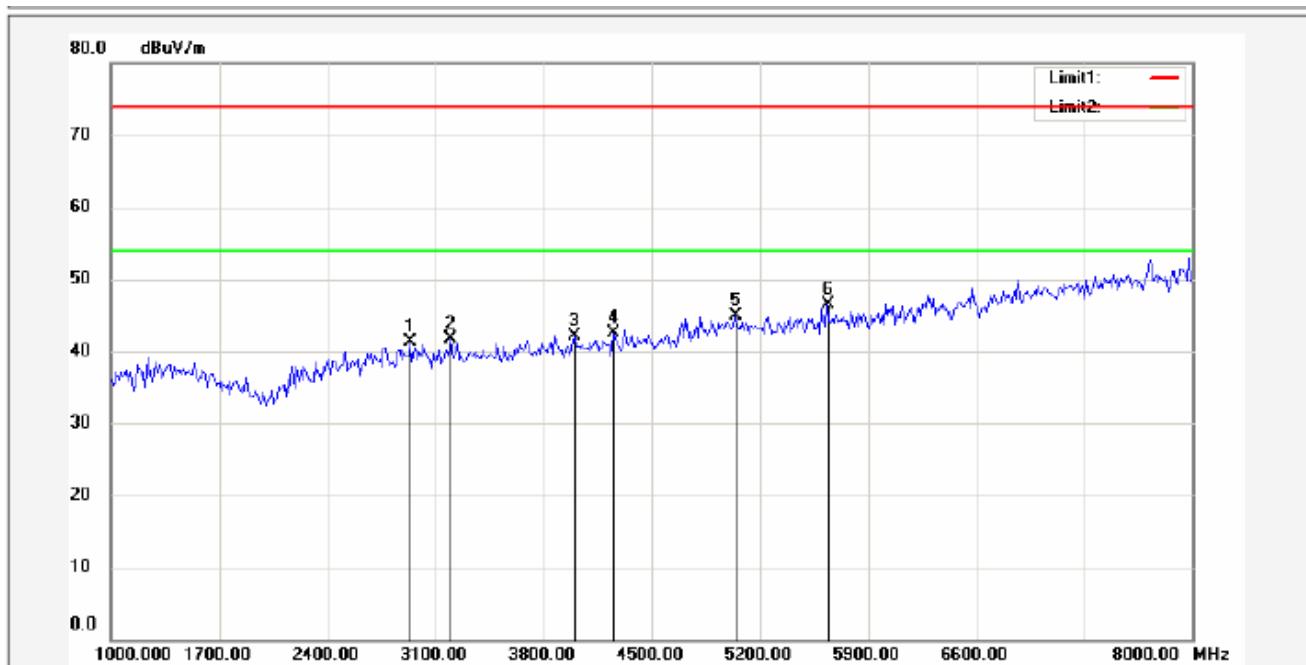
### ***MEASUREMENT RESULT: "13ER146E\_red"***

5/21/2013 14:06

Frequency MHz	Level dB $\mu$ V/m	Transd dB	Limit dB $\mu$ V/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
70.740000	33.40	12.4	40.0	6.6	QP	100.0	0.00	VERTICAL
88.200000	30.10	15.5	43.5	13.4	QP	100.0	0.00	VERTICAL
142.520000	28.20	12.3	43.5	15.3	QP	100.0	0.00	VERTICAL
383.080000	39.40	21.0	46.0	6.6	QP	100.0	0.00	VERTICAL
408.300000	38.00	21.7	46.0	8.0	QP	100.0	0.00	VERTICAL
992.240000	36.90	29.9	54.0	17.1	QP	100.0	0.00	VERTICAL

**Worst case above 1GHz  
Radiated Emission Test Data:**

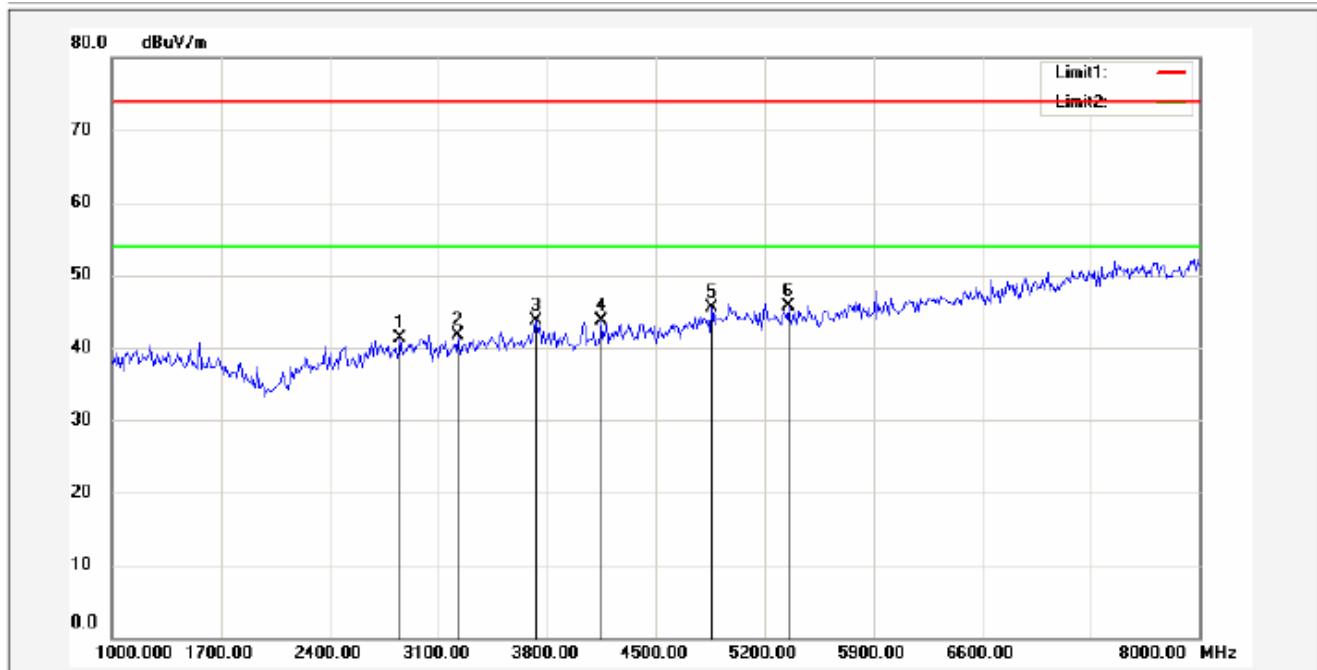
EUT: Smart Bear Kid's PAD  
M/N: IP013A  
Operating Condition: Connect to PC with data switching & SD Card Reading  
Test Site: 3m CHAMBER  
Operator: Chen  
Test Specification: AC 120V/60Hz for Adapter  
Comment: Polarization: Horizontal



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2936.6667	45.76	-4.49	41.27	74.00	-32.73	---	---	peak
2	3193.3332	45.85	-4.09	41.76	74.00	-32.24	---	---	peak
3	3998.3332	44.62	-2.53	42.09	74.00	-31.91	---	---	peak
4	4255.0000	43.85	-1.37	42.48	74.00	-31.52	---	---	peak
5	5036.6666	43.59	1.36	44.95	74.00	-29.05	---	---	peak
6	5631.6666	44.42	2.06	46.48	74.00	-27.52	---	---	peak

## Radiated Emission Test Data:

EUT: Smart Bear Kid's PAD  
M/N: IP013A  
Operating Condition: Connect to PC with data switching & SD Card Reading  
Test Site: 3m CHAMBER  
Operator: Chen  
Test Specification: AC 120V/60Hz for Adapter  
Comment: Polarization: Vertical



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2855.0000	46.08	-4.82	41.26	74.00	-32.74	---	---	peak
2	3228.3332	45.79	-4.08	41.71	74.00	-32.29	---	---	peak
3	3730.0000	46.45	-2.67	43.78	74.00	-30.22	---	---	peak
4	4150.0000	45.47	-1.82	43.65	74.00	-30.35	---	---	peak
5	4861.6665	44.77	0.69	45.46	74.00	-28.54	---	---	peak
6	5351.6665	44.13	1.53	45.66	74.00	-28.34	---	---	peak