



Test Report No.: FS2011WDG0371



# FCC TEST REPORT



Applicant	Particle industries, Inc
Address	126 Post St, 4th floor, San Francisco, CA 94108, USA 415-316-1024

Manufacturer or Supplier	Particle industries, Inc
Address	126 Post St, 4th floor, San Francisco, CA 94108, USA 415-316-1024
Product	E Series 2G/3G Global
Brand Name	Particle
Model	E310
Additional Model & Model Difference	E314; see items 2.1
Date of tests	Oct. 11, 2017 ~ Oct. 18, 2017

The submitted sample of the above equipment has been tested for according to the requirements of the following standards:

**FCC Part 15, Subpart B, Class B (sDoC)**

**CONCLUSION: The submitted sample was found to COMPLY with the test requirement**

Tested by Breeze Jiang Senior Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	  Date: Dec. 28, 2020

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FD171011N024	Original release	Nov. 01, 2017
FD171011N024R1	Based on the original report FD171011N024, change the address about the Applicant and Manufacturer. Don't retest after engineer evaluated.	Nov. 08, 2017
FS2011WDG0371	Based on the original report FD171011N024R1 changed the product name and model No., but it doesn't need to be retested.	Dec. 28, 2020



# 1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD			
Standard Section	Test Item	Result	Remark
FCC Part 15, Subpart B, Class B (sDoC)	Conducted test	PASS	Meets limits minimum passing margin is -28.24dB at 0.43087MHz
	Radiated Emission Test (30MHz ~ 1GHz)	PASS	Meets limits minimum passing margin is -3.90dB at 45.54MHz
	Radiated Emission Test (Above 1GHz)	PASS	Meets limits minimum passing margin is -13.80dB at 4520.00MHz

Remark: Please refer to FCC part 2 2.1077 for sDoC compliance information requirement

## 1.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emission test	0.15MHz ~ 30MHz	+/- 2.70 dB
Radiated emissions	30MHz ~ 1GHz	+ /- 3.83 dB
	Above 1GHz	+ /- 4.66 dB



## 2 GENERAL INFORMATION

### 2.1 GENERAL DESCRIPTION OF EUT

<b>PRODUCT</b>	E Series 2G/3G Global
<b>MODEL NO.</b>	E310
<b>ADDITIONAL MODEL</b>	E314
<b>POWER SUPPLY</b>	DC 3.7V from Li-ion Battery or DC 5V from Host Unit
<b>CABLE SUPPLIED</b>	USB cable: Unshielded, detachable, 0.3m
<b>THE HIGHEST OPERATING FREQUENCY</b>	Above 108MHz

#### NOTE:

1. This report is issued based on the previous report with report number FD171011N024, the model U201 is the same as the test model E310, except the model number for marketing purpose.
2. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
3. For the test results, the EUT had been tested with all conditions, but only the worst case was shown in test report.
4. Please refer to the EUT photo document (Reference No.: 2011WDG0371) for detailed product photo.
5. Additional model E314 is identical with the test model E310 except the model name for trading purpose.



## 2.2 DESCRIPTION OF TEST MODES

The EUT were tested under the following modes, the final worst mode was marked in boldface and recorded in this report.

### CONDUCTED EMISSION TEST:

Description of Test Mode	Test Voltage
<b>Normal working with USB</b>	<b>DC 5V from adapter</b>
Normal working with USB + battery	

### RADIATED EMISSION TEST:

Description of Test Mode	Test Voltage
Normal working with USB	<b>DC 5V from adapter</b>
<b>Normal working with USB+Battery</b>	
Normal working with Battery	DC 3.7 from battery

## 2.3 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an dependent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	Adapter 5V/1A	InFocus	C5010-C08N	N/A	N/A

NO.	DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A



### 3 EMISSION TEST

#### 3.1 CONDUCTED EMISSION MEASUREMENT

##### 3.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

TEST STANDARD: FCC Part 15, Subpart B (Section: 15.107)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

- NOTES:**
- (1) The lower limit shall apply at the transition frequencies.
  - (2) The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50 MHz.
  - (3) All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

##### 3.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Apr. 05,17	Apr. 04,18
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Mar. 06,17	Mar. 05,18
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Apr. 05,17	Apr. 04,18
Voltage probe	SCHWARZBEC K	TK 9421	TK 9421-176	Jan. 04,17	Jan. 03,18
Test software	ADT	ADT_Cond_V 7.3.7	N/A	N/A	N/A

- NOTE:**
1. The test was performed at Shielded Room 553.
  2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.



### 3.1.3 TEST PROCEDURE

The basic test procedure was in accordance with ANSI C63.4:2014 (section 7).

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20dB) were not recorded.

#### NOTE:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value

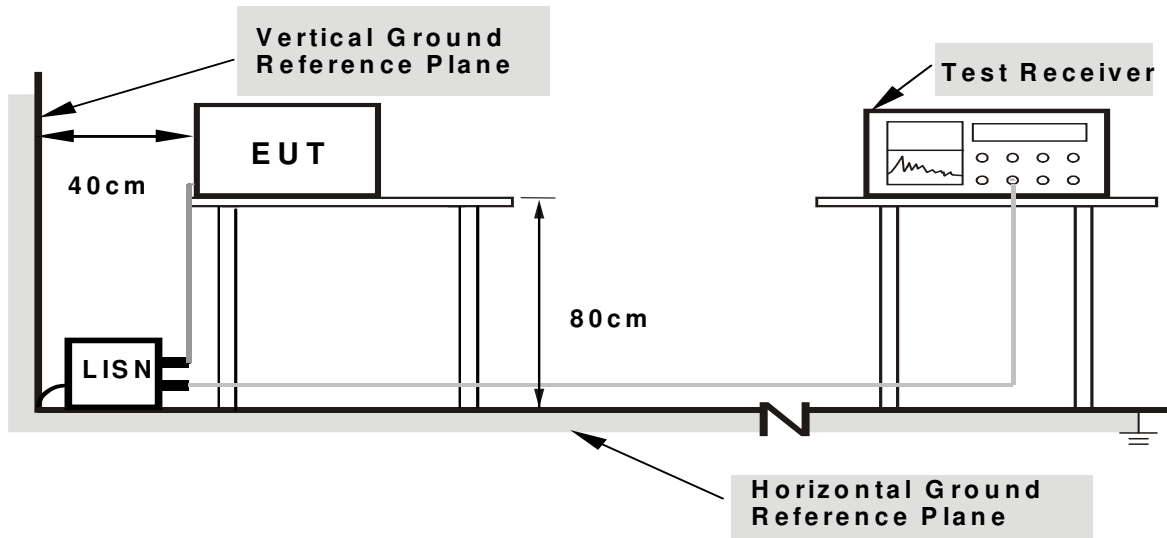
### 3.1.4 DEVIATION FROM TEST STANDARD

No deviation.





### 3.1.5 TEST SETUP



- Note:**
1. Support units were connected to second LISN.
  2. Both of LISNs (AMN) are 80cm from EUT and at least 80cm from other units and other metal planes support units.

### 3.1.6 EUT OPERATING CONDITIONS

- a. Turned on the power of all equipment.
- b. EUT was operated according to the type description in manufacturer's specifications or the User's Manual.

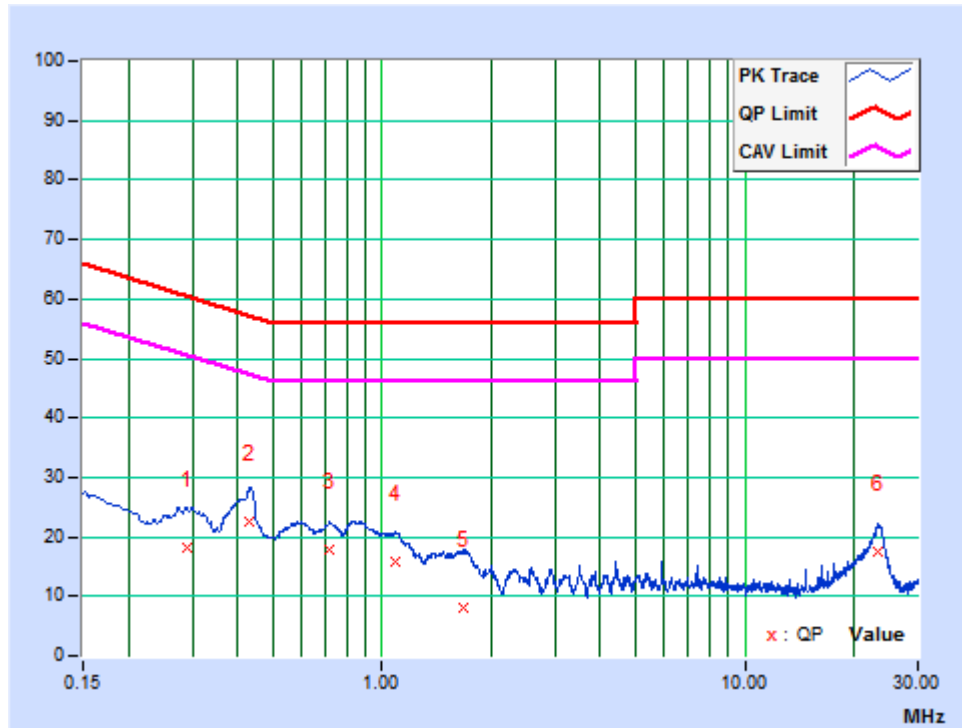


### 3.1.7 TEST RESULTS

<b>TEST MODE</b>	Normal Working with USB	<b>6DB BANDWIDTH</b>	9 kHz
<b>TEST VOLTAGE</b>	DC 5V from adapter	<b>PHASE</b>	Line (L)
<b>ENVIRONMENTAL CONDITIONS</b>	25deg.C, 55% RH	<b>TESTED BY</b>	Tank

No.	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.28920	10.22	7.88	-4.38	18.10	5.84	60.55	50.55	-42.45	-44.71
<b>2</b>	<b>0.43087</b>	<b>10.23</b>	<b>12.20</b>	<b>8.77</b>	<b>22.43</b>	<b>19.00</b>	<b>57.24</b>	<b>47.24</b>	<b>-34.81</b>	<b>-28.24</b>
3	0.71723	10.22	7.47	-4.52	17.69	5.70	56.00	46.00	-38.31	-40.30
4	1.08565	10.23	5.47	-1.36	15.70	8.87	56.00	46.00	-40.30	-37.13
5	1.68000	10.22	-2.13	-7.91	8.09	2.31	56.00	46.00	-47.91	-43.69
6	23.38125	10.28	7.33	1.27	17.61	11.55	60.00	50.00	-42.39	-38.45

**REMARKS:** The emission levels of other frequencies were very low against the limit.





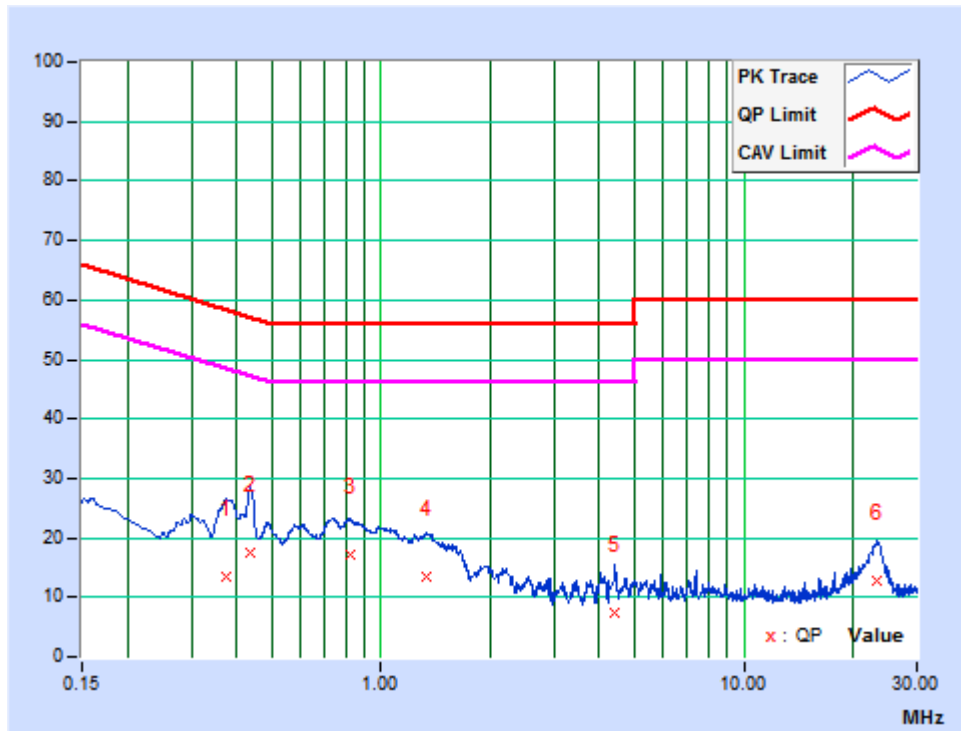
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<b>TEST MODE</b>	Normal Working with USB	<b>6DB BANDWIDTH</b>	9 kHz
<b>TEST VOLTAGE</b>	DC 5V from adapter	<b>PHASE</b>	Neutral (N)
<b>ENVIRONMENTAL CONDITIONS</b>	25deg.C, 55% RH	<b>TESTED BY</b>	Tank

No.	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.37263	10.02	3.51	-3.84	13.53	6.18	58.44	48.44	-44.91	-42.26
2	0.43575	10.03	7.44	-1.26	17.47	8.77	57.14	47.14	-39.68	-38.38
3	0.81845	10.02	7.30	-7.77	17.32	2.25	56.00	46.00	-38.68	-43.75
4	1.33745	10.01	3.51	-10.90	13.52	-0.89	56.00	46.00	-42.48	-46.89
5	4.42950	10.02	-2.75	-7.89	7.27	2.13	56.00	46.00	-48.73	-43.87
6	23.31825	10.16	2.56	-6.76	12.72	3.40	60.00	50.00	-47.28	-46.60

**REMARKS:** The emission levels of other frequencies were very low against the limit.





### 3.2 RADIATED EMISSION MEASUREMENT

#### 3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

**TEST STANDARD: FCC Part 15, Subpart B (Section: 15.109)**

Emissions radiated outside of the specified bands, shall be according to the general radiated limits as following:

Radiated Emissions Limits at 10 meters (dBµV/m)				
Frequencies (MHz)	FCC 15B Class A	FCC 15B Class B	CISPR 22, Class A	CISPR 22, Class B
30-88	39	29.5	40	30
88-216	43.5	33.1		
216-230	46.4	35.6	47	37
230-960				
960-1000	49.5	43.5		

Radiated Emissions Limits at 3 meters (dBµV/m)		
Frequencies (MHz)	FCC 15B, Class A	FCC 15B, Class B
30-88	49.5	40
88-216	54	43.5
216-230	56.9	46
230-960		
960-1000	60	54
1000-3000	Avg: 60	Avg: 54
Above 3000	Peak: 80	Peak: 74



## FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 – 108	1000
108 – 500	2000
500 – 1000	5000
Above 1000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

- Note: (1) The lower limit shall apply at the transition frequencies.  
(2) Emission level (dBuV/m) = 20 log Emission level (uV/m).  
(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.



### 3.2.2 TEST INSTRUMENTS

#### FREQUENCY RANGE BELOW 1GHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 11,17	Mar. 10,18
Bilog Antenna	Teseq	CBL 6111D	30643	Jul. 14, 17	Jul. 13, 18
Amplifier	Burgeon	BPA-530	100220	Apr. 05,17	Apr. 04,18
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	Mar. 06,17	Mar. 05,18
Test software	ADT	ADT_Radiated V7.6.15.9.2	N/A	N/A	N/A

- NOTES:** 1. The test was performed in 966 Chamber (a 3m Semi-anechoic chamber).  
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.  
3. The FCC Site Registration No. is 749762.

#### FREQUENCY RANGE ABOVE 1GHz

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Horn Antenna	ETS-Lindgren	3117	00062558	Jul. 02,17	Jul. 01,18
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170242	Mar. 15,17	Mar. 14,18
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Mar. 11,17	Mar. 10,18
Broadband Preamplifier	SCHWARZBECK	BBV9718	305	Mar. 06,17	Mar. 05,18
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Nov. 04,16	Nov. 03,17
Test Software	ADT	ADT_Radiated V7.6.15.9.2	N/A	N/A	N/A

- NOTES:** 1. The test was performed in 966 Chamber (a 3m Semi-anechoic chamber).  
2. The calibration interval of the above test instruments is 12 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.  
3. The FCC Site Registration No. is 749762.



### 3.2.3 TEST PROCEDURE

The basic test procedure was in accordance with ANSI C63.4:2014 (section 12).

#### <Frequency Range below 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna is varied from 1 meter to 4 meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1GHz.

#### NOTE:

1. The resolution bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
3. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier)
4. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain(dB) (if the raw value contains the amplifier)
5. Margin value = Emission level – Limit value



### <Frequency Range above 1GHz>

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna can be varied from one meter-to four meters, the height of adjustment depends on the EUT height and the antenna 3dB beamwidth both, to detect the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. The bore sight should be used during the test above 1GHz.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test receiver/spectrum was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.

#### NOTE:

1. The resolution bandwidth is 1MHz and video bandwidth of test receiver/spectrum analyzer is 3MHz for Peak detection at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz for Average detection (AV) at frequency above 1GHz.
2. For measurement of frequency above 1000 MHz, the EUT was set 3 meters away from the receiver antenna.
3. Emission level(dBuV/m)=Raw Value(dBuV) + Correction Factor(dB/m)
4. Correction Factor(dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) (if the raw value not contains the amplifier)
5. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) – Amplifier Gain(dB) (if the raw value contains the amplifier).
6. Margin value = Emission level – Limit value

### 3.2.4 DEVIATION FROM TEST STANDARD

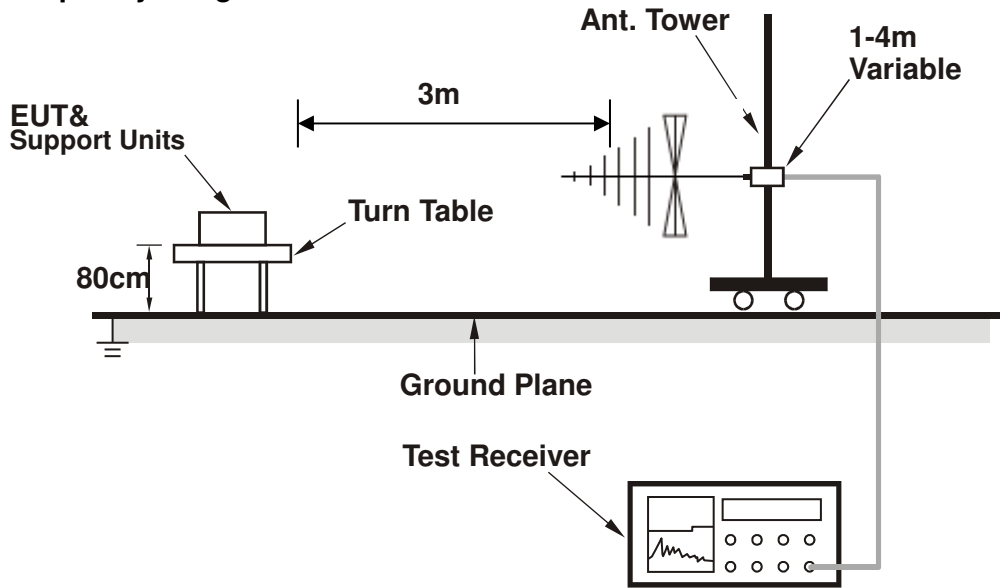
No deviation.



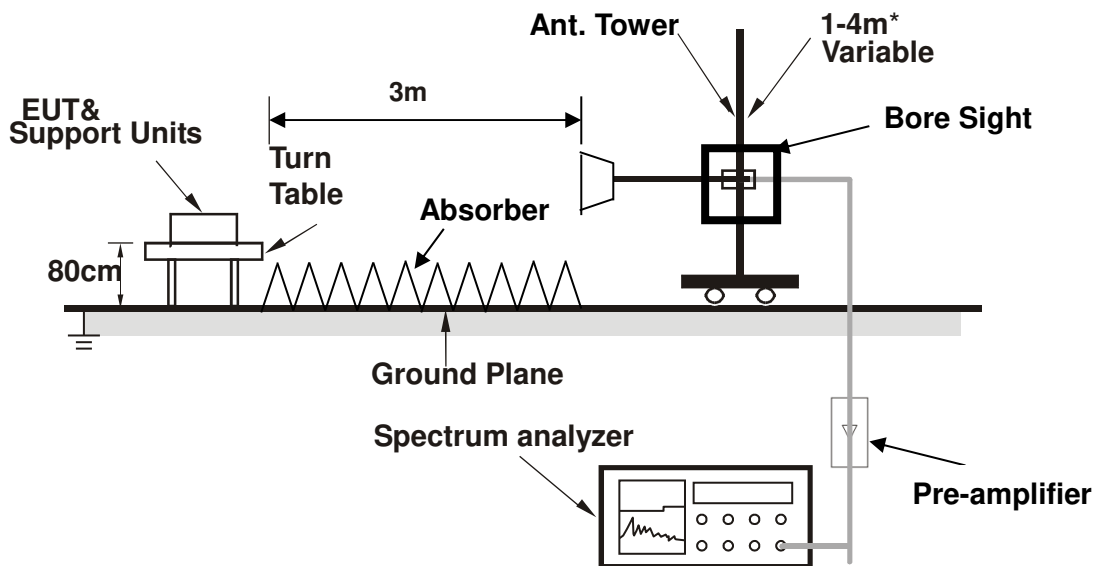


### 3.2.5 TEST SETUP

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



\* : depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

### 3.2.6 EUT OPERATING CONDITIONS

See items 3.1.6.

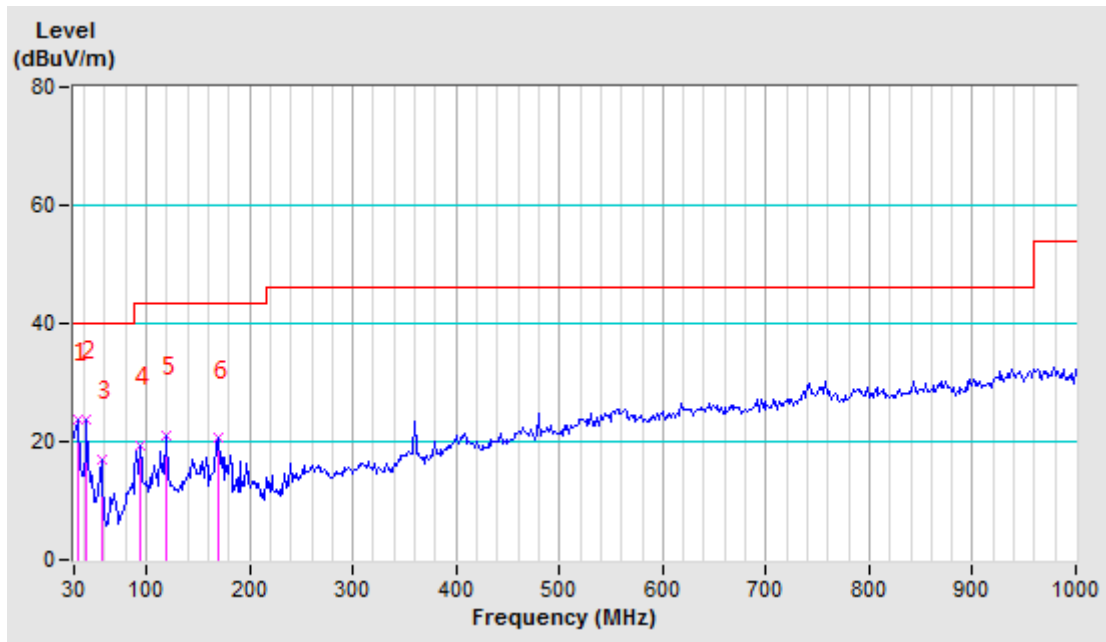


### 3.2.7 TEST RESULTS

<b>TEST MODE</b>	Normal working with USB+ Battery	<b>FREQUENCY RANGE</b>	30-1000MHz
<b>TEST VOLTAGE</b>	DC 5V from adapter	<b>DETECTOR FUNCTION &amp; RESOLUTION BANDWIDTH</b>	Quasi-Peak, 120kHz
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 55% RH	<b>TESTED BY:</b> Dragon	

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	34.66	-13.84	37.46	23.62	40.00	-16.38	124	0
2	42.44	-17.97	41.81	23.84	40.00	-16.16	165	0
3	56.43	-23.78	40.70	16.92	40.00	-23.08	100	0
4	93.73	-18.96	38.33	19.37	43.50	-24.13	152	0
5	120.16	-16.70	37.82	21.12	43.50	-22.38	141	0
6	169.90	-18.08	38.61	20.53	43.50	-22.97	106	0

- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
  2. Negative sign (-) in the margin column signify levels below the limit.
  3. Frequency range scanned: 30MHz to 1000MHz.
  4. Only emissions significantly above equipment noise floor are reported.

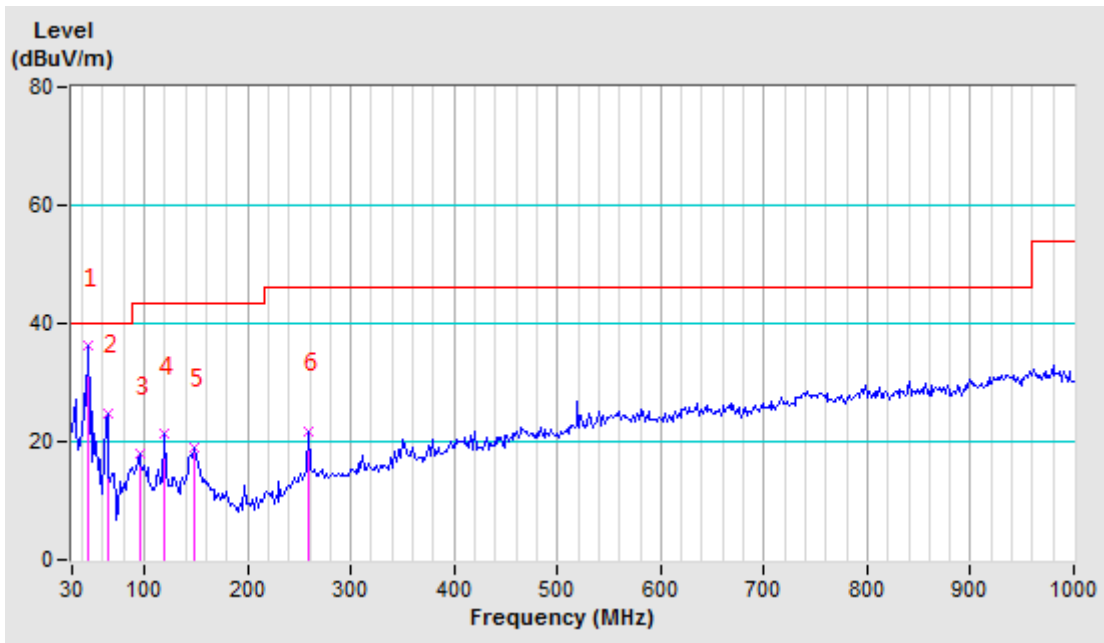




<b>TEST MODE</b>	Normal working with USB+ Battery	<b>FREQUENCY RANGE</b>	30-1000MHz
<b>TEST VOLTAGE</b>	DC 5V from adapter	<b>DETECTOR FUNCTION &amp; RESOLUTION BANDWIDTH</b>	Quasi-Peak, 120kHz
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 55% RH	<b>TESTED BY:</b> Dragon	

<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	45.54	-19.78	55.88	36.10	40.00	-3.90	100	359
2	64.20	-24.60	49.40	24.80	40.00	-15.20	100	0
3	95.29	-18.95	36.82	17.87	43.50	-25.63	100	0
4	120.16	-16.70	37.93	21.23	43.50	-22.27	100	0
5	148.14	-16.34	35.33	18.99	43.50	-24.51	100	0
6	258.51	-13.19	34.84	21.65	46.00	-24.35	100	0

- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
  2. Negative sign (-) in the margin column signify levels below the limit.
  3. Frequency range scanned: 30MHz to 1000MHz.
  4. Only emissions significantly above equipment noise floor are reported.





<b>TEST MODE</b>	Normal working with USB+ Battery	<b>FREQUENCY RANGE</b>	Above 1GHz
<b>TEST VOLTAGE</b>	DC 5V from adapter	<b>DETECTOR FUNCTION &amp; RESOLUTION BANDWIDTH</b>	Peak, Average 1MHz
<b>ENVIRONMENTAL CONDITIONS</b>	25deg. C, 51% RH	<b>TESTED BY:</b> Dragon	

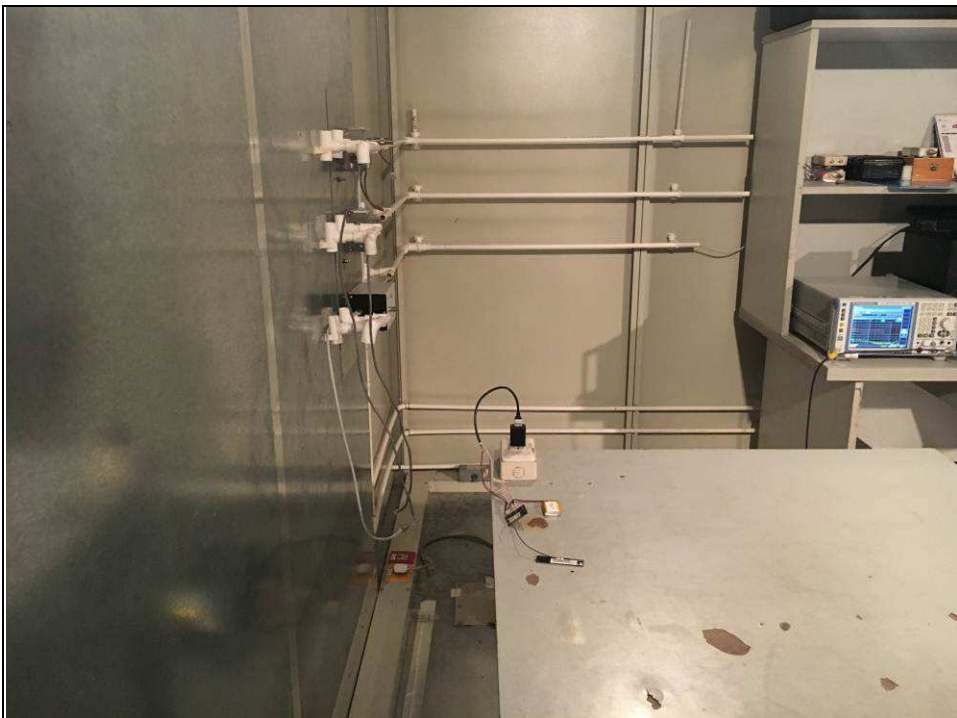
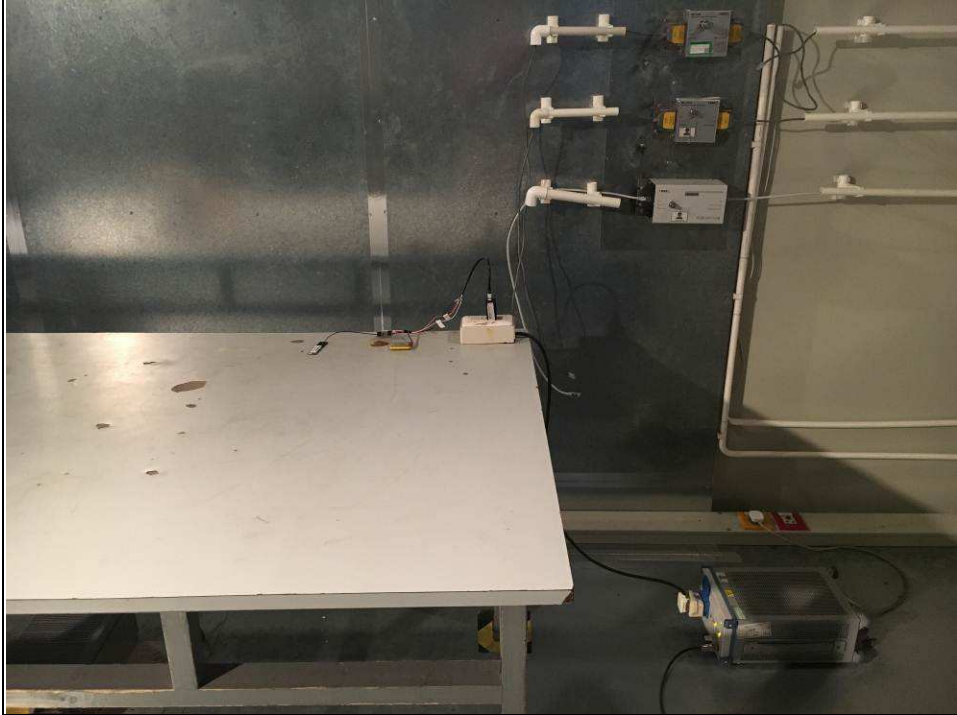
<b>ANTENNA POLARITY &amp; TEST DISTANCE: HORIZONTAL AT 3 M</b>								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	2108.00PK	2.52	53.48	56.00	74.00	-18.00	100	0
2	2108.00AV	2.52	32.48	35.00	54.00	-19.00	100	0
3	3330.00PK	5.62	51.52	57.14	74.00	-16.86	171	330
4	3330.00AV	5.62	28.83	34.45	54.00	-19.55	171	330
5	4525.00PK	8.16	51.04	59.20	74.00	-14.80	100	360
6	4525.00AV	8.16	30.04	38.20	54.00	-15.80	100	360
<b>ANTENNA POLARITY &amp; TEST DISTANCE: VERTICAL AT 3 M</b>								
No.	Freq. (MHz)	Correction Factor (dB/m)	Raw Value (dBuV)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (cm)	Table Angle (Degree)
1	2100.00PK	2.49	55.51	58.00	74.00	-16.00	100	0
2	2100.00AV	2.49	34.51	37.00	54.00	-17.00	100	0
3	3328.80PK	5.62	54.52	60.14	74.00	-13.86	171	330
4	3328.80AV	5.62	30.83	36.45	54.00	-17.55	171	330
5	4520.00PK	8.16	52.04	60.20	74.00	-13.80	100	360
6	4520.00AV	8.16	31.64	39.80	54.00	-14.20	100	360

- REMARKS:**
1. Peak detector quick scan is showed on the graph and final quasi-peak detector data is measured corresponding to relevant limit and recorded in the data table.
  2. Negative sign (-) in the margin column signify levels below the limit.
  3. Frequency range scanned: 1GHz to 18GHz.
  4. Only emissions significantly above equipment noise floor are reported.



## 4 PHOTOGRAPHS OF THE TEST CONFIGURATION

CONDUCTED EMISSION TEST



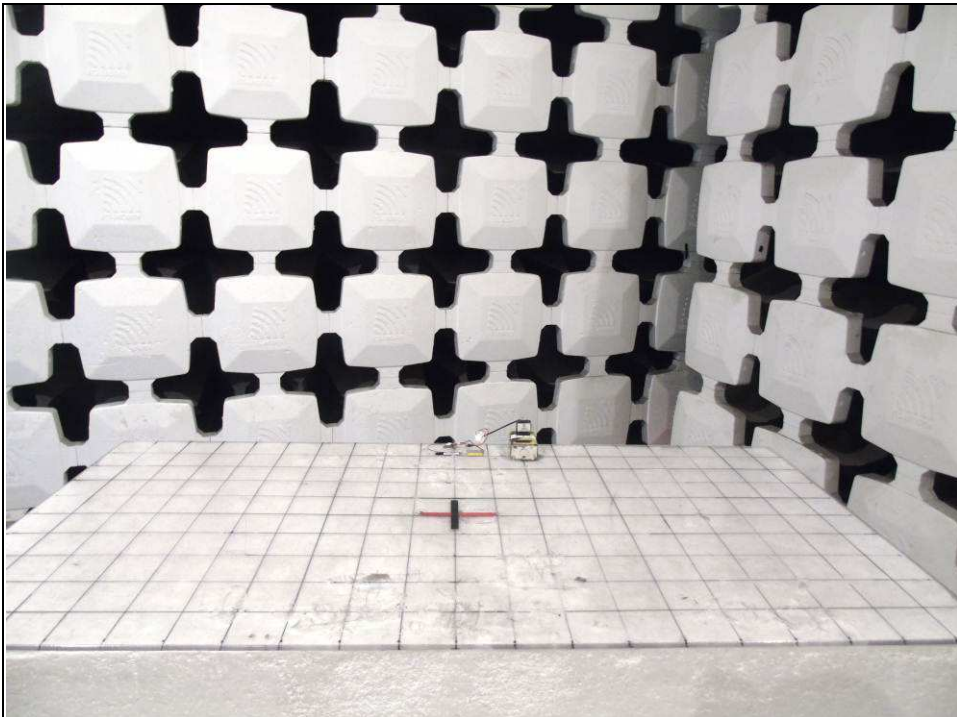
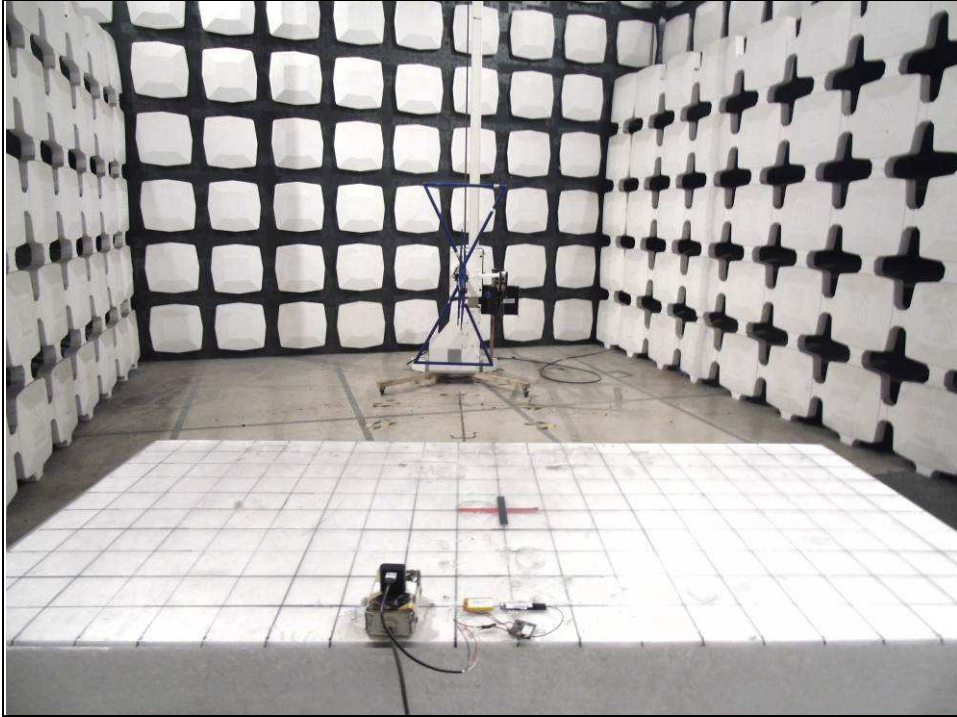




**BUREAU  
VERITAS**

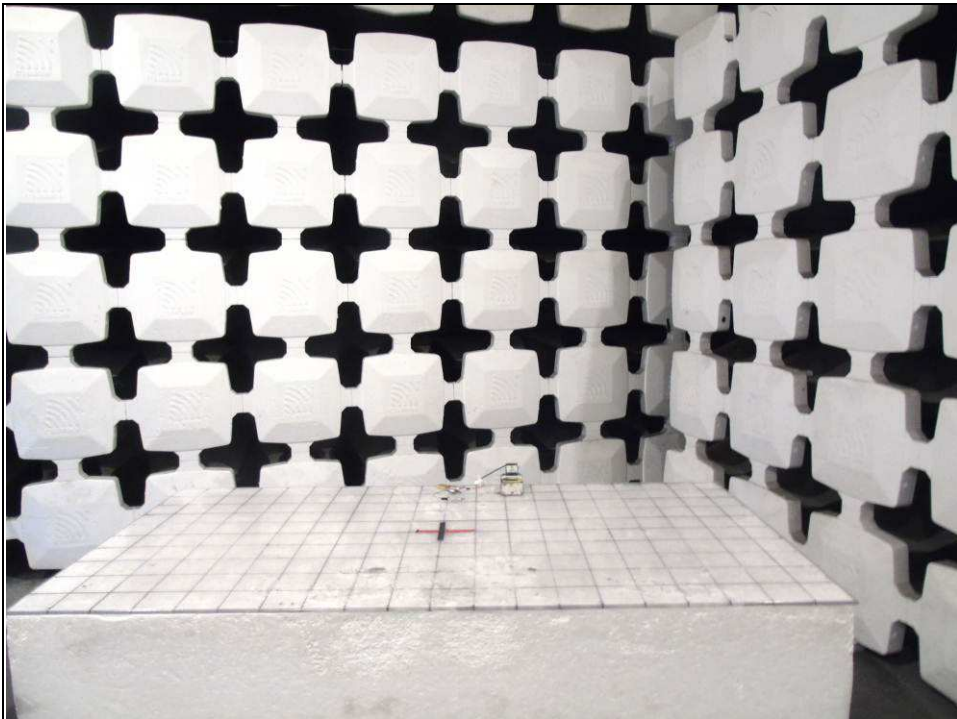
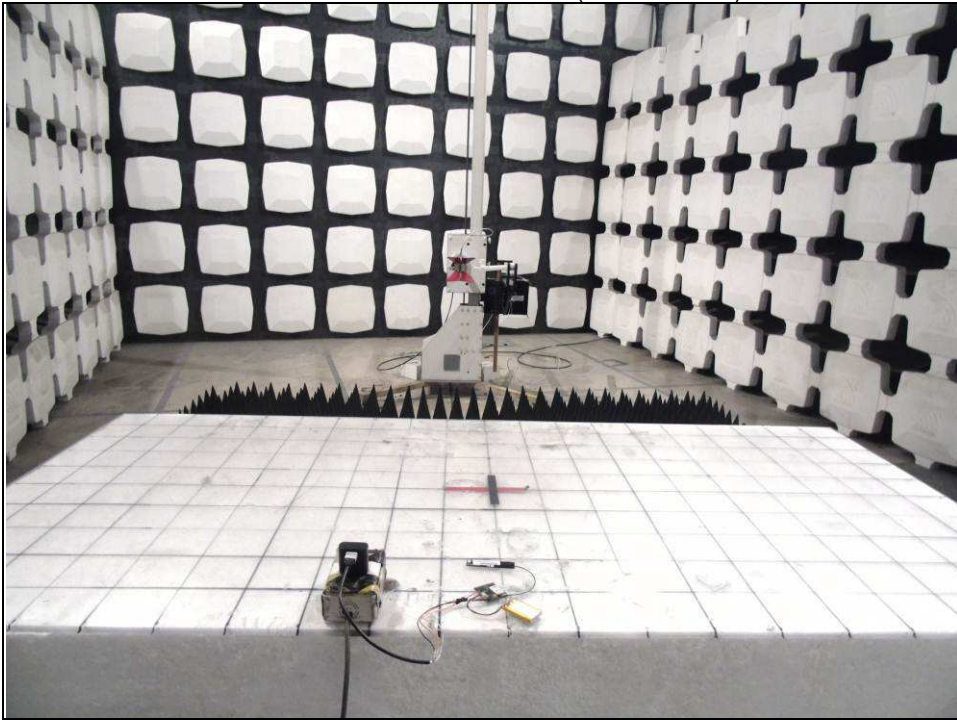
Test Report No.: FS2011WDG0371

RADIATED EMISSION TEST (Below 1GHz)





RADIATED EMISSION TEST (Above 1GHz)





**BUREAU  
VERITAS**

Test Report No.: FS2011WDG0371

## 5 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications were made to the EUT by the lab during the test.

---END---