FCC Test Report

Report No.: AGC00797161202FE03

FCC ID	:	2AHYV-EPICAIR				
APPLICATION PURPOSE	:	Original Equipment				
PRODUCT DESIGNATION	:	Epic Air				
BRAND NAME	:	JLab Audio				
MODEL NAME	:	Epic Air L				
CLIENT	:	PEAG, LLC dba JLab Audio				
DATE OF ISSUE	:	Jan.06, 2017				
STANDARD(S) TEST PROCEDURE(S)	:	FCC Part 15 Rules				
REPORT VERSION : V1.0 Attestation of G lobal Compliance (Shenzhen) Co., Ltd						
CAUTION						

CAUTION:

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Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jan.06, 2017	Valid	Original Report

Report Revise Record

TABLE OF CONTENTS

1. VERIFICATION OF CONFORMITY	4
2. GENERAL INFORMATION	5
2.1. PRODUCT DESCRIPTION	5
2.2. TABLE OF CARRIER FREQUENCYS	5
3. MEASUREMENT UNCERTAINTY	7
4. DESCRIPTION OF TEST MODES	7
5. SYSTEM TEST CONFIGURATION	9
5.1. CONFIGURATION OF EUT SYSTEM	9
5.2. EQUIPMENT USED IN EUT SYSTEM	9
5.3. SUMMARY OF TEST RESULTS	9
6. TEST FACILITY	10
TEST METHODOLOGY	10
7. ALL TEST EQUIPMENT LIST	10
8. RADIATED EMISSION	12
8.1TEST LIMIT	12
8.2. MEASUREMENT PROCEDURE	13
8.3. TEST SETUP	15
8.4. TEST RESULT	17
9. BAND EDGE EMISSION	46
9.1. MEASUREMENT PROCEDURE	46
9.2 TEST SETUP	46
9.3 RADIATED TEST RESULT	47
10. 20DB BANDWIDTH	55
10.1. MEASUREMENT PROCEDURE	55
10.2. TEST SET-UP	55
10.3. LIMITS AND MEASUREMENT RESULTS	55
11. FCC LINE CONDUCTED EMISSION TEST	64
11.1. LIMITS OF LINE CONDUCTED EMISSION TEST	64
11.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST	64
11.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST	65
11.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST	65
11.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST	65
APPENDIX A: PHOTOGRAPHS OF TEST SETUP	66
APPENDIX B: PHOTOGRAPHS OF EUT	68

Applicant	PEAG, LLC dba JLab Audio
Address	3402 Piazza D'Oro Way Suite 230 Oceanside CA 92056
Manufacturer	Zhongshan K-mate General Electronics Co., Ltd.
Address	NO.2, 5th Xinsheng Street, Gangkou Town, Zhongshan City, Guangdong, China
Product Designation	Epic Air
Brand Name	JLab Audio
Test Model	Epic Air L
Date of test	Dec.26, 2016 to Dec.29, 2016
Deviation	None
Condition of Test Sample	Normal
Report Template	AGCRT-US-BR/RF

1. VERIFICATION OF CONFORMITY

We hereby certify that:

The above equipment was tested by Dongguan Precise Testing Service Co., Ltd. The test data, the energy emitted by the sample tested as described in this report is in compliance with the requirements of FCC Rules Part 15.249.

Service Ling **Tested By** Strive Liang(Liang Faqiang) Dec.29, 2016 owest in **Reviewed By** Forrest Lei(Lei Yonggang) Jan.06, 2017 Solya show Approved By Solger Zhang(Zhang Hongyi) Jan.06, 2017 Authorized Officer

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

A major technical description of EUT is described as following

· · · · · · · · · · · · · · · · · · ·	
Operation Frequency	2.402 GHz to 2.480GHz
RF Output Power	2.40dBm (Max EIRP Power=Max radiation field-95.2)
Bluetooth Version	V4.2
Modulation	GFSK, π /4-DQPSK, 8DPSK for BR/EDR; GFSK for BLE
Number of channels	79 for BR/EDR, 40 for BLE
Hardware Version	BTH110MBL-V04
Software Version	BTH110L-V2.3
Antenna Designation	Fixed Antenna
Antenna Gain	0dBi
Power Supply	DC 3.7V
Note:	

Note:

- 1. The charging port only be used for charging and can't be used to transfer data with PC.
- 2. The BT function of EUT doesn't work when charging.
- 3. The EUT comprises left and right channel earphone, both have been tested and only the test data of left earphone recorded in this report.

2.2. TABLE OF CARRIER FREQUENCYS

BR/EDR channel List

Frequency Band	Channel Number	Frequency
	0	2402MHz
	1	2403MHz
	38	2440 MHz
2400~2483.5MHz	39	2441 MHz
	40	2442 MHz
	:	:
	77	2479 MHz
	78	2480 MHz

BLE Channel List

Frequency Band	Channel Number	Frequency
	0	2402MHz
	1	2404MHz
2400~2483.5MHz	:	:
	38	2478 MHz
	39	2480 MHz

3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y $\pm U$, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 % \circ

No.	Item	Uncertainty
1	Conducted Emission Test	±3.18dB
2	All emissions, radiated	±3.91dB
3	Temperature	±0.5°C
4	Humidity	±2%

4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION
1	Low channel TX(GFSK)
2	Middle channel TX (GFSK)
3	High channel TX (GFSK)
4	Low channel TX(π/4-DQPSK)
5	Middle channel TX(π/4-DQPSK)
6	High channel TX (π/4-DQPSK)
7	Low channel TX(8DPSK)
8	Middle channel TX (8DPSK)
9	High channel TX (8DPSK)
10	BT Link
Mater	

Note:

1. All the test modes can be supply by battery, only the result of the worst case was recorded in the report, if no other cases.

2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.

3. The EUT used fully-charged battery when tested.

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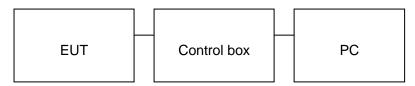
5. SYSTEM TEST CONFIGURATION

5.1. CONFIGURATION OF EUT SYSTEM

Configure 1: (Normal hopping)

EUT

Configure 2: (Control continuous TX)



5.2. EQUIPMENT USED IN EUT SYSTEM

ITEM	EQUIPMENT	MFR/BRAND	MODEL/TYPE NO.	REMARK
1	Epic Air	JLab Audio	Epic Air L	EUT
2	Battery	VARTA	CP1654	Accessory
3	PC	Sony	E1412AYCW	A.E
4	Control box	CSR	N/A	A.E

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§15.249(a)	Radiated Emission	Compliant
§15.249(d)	Band Edges	Compliant
§15.207	Conduction Emission	N/A
§15.215	Bandwidth	Compliant

Note : N/A means it's not applicable to this item.

6. TEST FACILITY

Site	Dongguan Precise Testing Service Co., Ltd.
Location	Building D,Baoding Technology Park,Guangming Road2,Dongcheng District, Dongguan, Guangdong, China,
FCC Registration No.	371540
Description	The test site is constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2014.

TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.10-2013

7. ALL TEST EQUIPMENT LIST

FOR RADIATED EMISSION TEST (BELOW 1GHz)

	Radiat	ed Emission Tes	st Site		
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI Test Receiver	ROHDE & SCHWARZBECK	ESCI	101417	July 4, 2016	July 3, 2017
Trilog Broadband Antenna (25M-1GHz)	SCHWARZBECK	VULB9160	9160-3355	July 4, 2016	July 3, 2017
Signal Amplifier	SCHWARZBECK	BBV 9475	9745-0013	July 4, 2016	July 3, 2017
RF Cable	SCHWARZBECK	AK9515E	96221	July 4, 2016	July 3, 2017
3m Anechoic Chamber	CHENGYU	966	PTS-001	June 6, 2016	June 5, 2017
MULTI-DEVICE Positioning Controller	MAX-FULL	MF-7802	MF780208339	N/A	N/A
Active loop antenna (9K-30MHz)	SCHWARZBECK	FMZB1519	1519-038	June 6, 2016	June 5, 2017
Spectrum analyzer	AGILENT	E4407B	MY46185649	June 6, 2016	June 5, 2017
Radiation Cable 1	MXT	RS1	R005	June 6, 2016	June 5, 2017
Radiation Cable 2	MXT	RS1	R006	June 6, 2016	June 5, 2017
temporary antenna connector	N/A	S100		July 4, 2016	July 3, 2017

	Radiat	ed Emission Tes	t Site		
Name of Equipment	Manufacturer	Model Number	Serial Number	Last Calibration	Due Calibration
EMI Test Receiver	ROHDE & SCHWARZBECK	ESCI	101417	July 4, 2016	July 3, 2017
Horn Antenna (1G-18GHz)	SCHWARZBECK	BBHA9120D	9120D-1246	July 11, 2016	July 10, 2017
Spectrum Analyzer	Agilent	E4411B	MY4511453	July 4, 2016	July 3, 2017
Signal Amplifier	SCHWARZBECK	BBV 9718	9718-269	July 7, 2016	July 6, 2017
RF Cable	SCHWARZBECK	AK9515H	96220	July 8, 2016	July 7, 2017
3m Anechoic Chamber	CHENGYU	966	PTS-001	June 6, 2016	June 5, 2017
MULTI-DEVICE Positioning Controller	MAX-FULL	MF-7802	MF780208339	N/A	N/A
Horn Ant (18G-40GHz)	SCHWARZBECK	BBHA 9170	9170-181	June 6, 2016	June 5, 2017
Radiation Cable 1	MXT	RS1	R005	June 6, 2016	June 5, 2017
Radiation Cable 2	MXT	RS1	R006	June 6, 2016	June 5, 2017

FOR RADIATED EMISSION TEST (1GHz ABOVE)

8. RADIATED EMISSION

8.1TEST LIMIT

Standard FCC15.249

Fundamental Frequency	Field Strength of Fundamental	Field Strength of Harmonics
	(millivolts/meter)	(microvolts/meter)
900-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

Standard FCC 15.209

Frequency	Distance	Field Strer	ngths Limit					
(MHz)	Meters	μ V/m	dB(µV)/m					
0.009 ~ 0.490	300	2400/F(kHz)						
0.490 ~ 1.705	30	24000/F(kHz)						
1.705 ~ 30	30	30						
30 ~ 88	3	100	40.0					
88 ~ 216	3	150	43.5					
216 ~ 960	3	200	46.0					
960 ~ 1000	3	500	54.0					
Above 1000	3	Other:74.0 dB(µV)/m (Peal	<)					
		54.0 dB(μV)/m (Average)						
Remark: (1) Emission level dB μ V = 20 log Emission level μ V/m								
(2) The smalle	er limit shall apply at the cros	s point between two frequen	cy bands.					

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

8.2. MEASUREMENT PROCEDURE

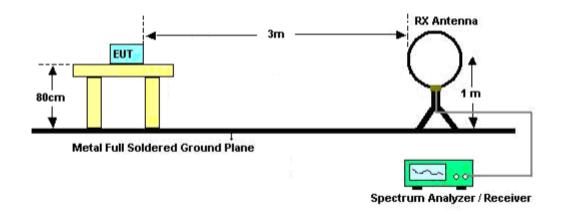
- 1. The measuring distance of 3m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Below 1GHz)
- 2. The measuring distance of 3m shall used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation(Above 1GHz)
- 3. The height of the test antenna shall vary between 1m to 4m.Both horizontal and vertical polarization Of the antenna are set to make the measurement.
- 4. The initial step in collecting radiated emission data is a receive peak detector mode. Pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- 5. All readings are peak unless otherwise stated QP in column of Note. Peak denoted that the Peak reading compliance with the QP limits and then QP Mode measurement didn't perform(Below 1GHz)
- 6. All readings are Peak mode value unless otherwise stated AVG in column of Note. If the Peak mode measured value compliance with the Peak limits and lower than AVG Limits, the EUT shall be deemed to meet Peak & AVG limits and then only Peak mode was measured, but AVG mode didn't perform.(Above 1GHz)

Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	1GHz~26.5GHz 1MHz/3MHz for Peak, 1MHz/10Hz for Average
Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

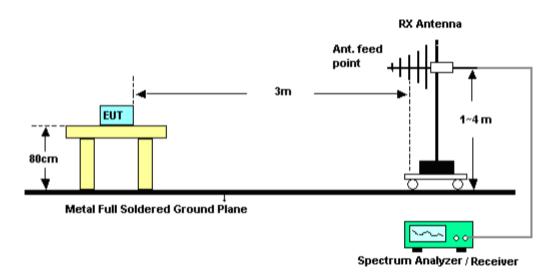
The following table is the setting of spectrum analyzer and receiver.

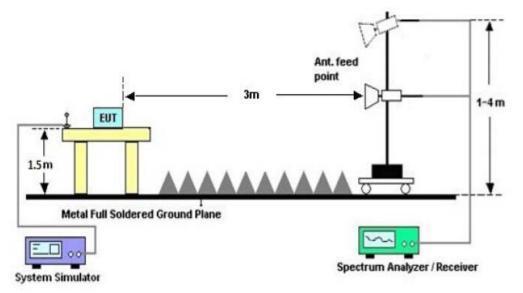
8.3. TEST SETUP

RADIATED EMISSION TEST SETUP BELOW 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz





RADIATED EMISSION TEST SETUP ABOVE 1000MHz

8.4. TEST RESULT

(Worst modulation: GFSK)

RADIATED EMISSION BELOW 30MHz

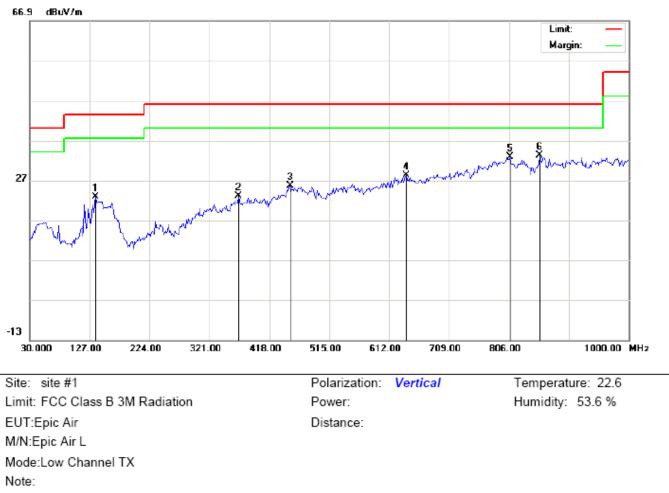
No emission found between lowest internal used/generated frequencies to 30MHz.

66.9 dBuV/m Limit: Margin: <u>6</u> 5 X 3 27 -13 224.00 321.00 418.00 515.00 709.00 806.00 1000.00 MHz 30.000 127.00 612.00 Site: site #1 Polarization: Horizontal Temperature: 22.6 Humidity: 53.6 % Limit: FCC Class B 3M Radiation Power: EUT:Epic Air Distance: M/N:Epic Air L Mode:Low Channel TX Note:

RADIATED EMISSION BELOW 1GHz

RADIATED EMISSION TEST- (30MHz-1GHz)-LOW CHANNEL-HORIZONTAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		143.1667	6.30	14.43	20.73	43.50	-22.77	peak			
2		353.3333	2.83	18.76	21.59	46.00	-24.41	peak			
3		594.2166	5.55	23.59	29.14	46.00	-16.86	peak			
4		733.2500	4.51	26.15	30.66	46.00	-15.34	peak			
5		857.7333	4.62	27.51	32.13	46.00	-13.87	peak			
6	*	930.4833	3.18	29.46	32.64	46.00	-13.36	peak			



RADIATED EMISSION TEST- (30MHz-1GHz)-LOW CHANNEL -VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		136.7000	9.07	13.82	22.89	43.50	-20.61	peak			
2		367.8833	4.07	18.86	22.93	46.00	-23.07	peak			
3		451.9500	5.07	20.61	25.68	46.00	-20.32	peak			
4		639.4833	4.55	23.61	28.16	46.00	-17.84	peak			
5		807.6167	5.39	27.32	32.71	46.00	-13.29	peak			
6	*	856.1167	5.64	27.47	33.11	46.00	-12.89	peak			

RESULT: PASS

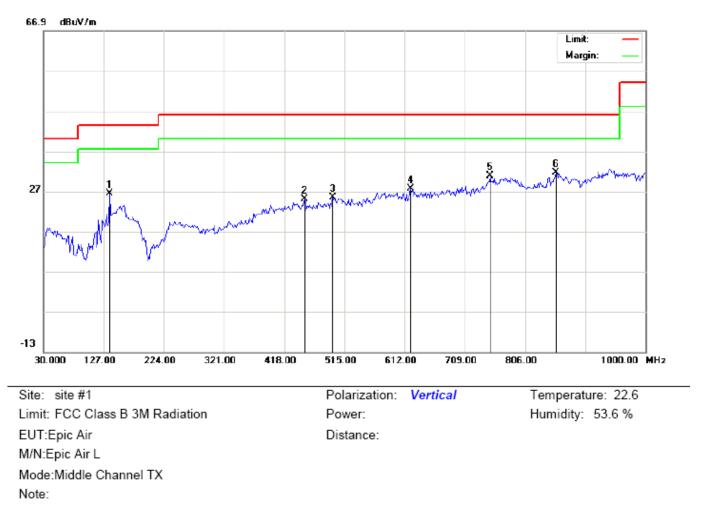
Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.



RADIATED EMISSION TEST- (30MHz-1GHz)-MIDDLE CHANNEL-HORIZONTAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		143.1667	8.80	14.43	23.23	43.50	-20.27	peak			
2		380.8167	4.37	18.94	23.31	46.00	-22.69	peak			
3		479.4333	4.69	20.91	25.60	46.00	-20.40	peak			
4		610.3833	4.55	23.75	28.30	46.00	-17.70	peak			
5		765.5833	4.82	26.85	31.67	46.00	-14.33	peak			
6	*	919.1667	5.36	29.14	34.50	46.00	-11.50	peak			



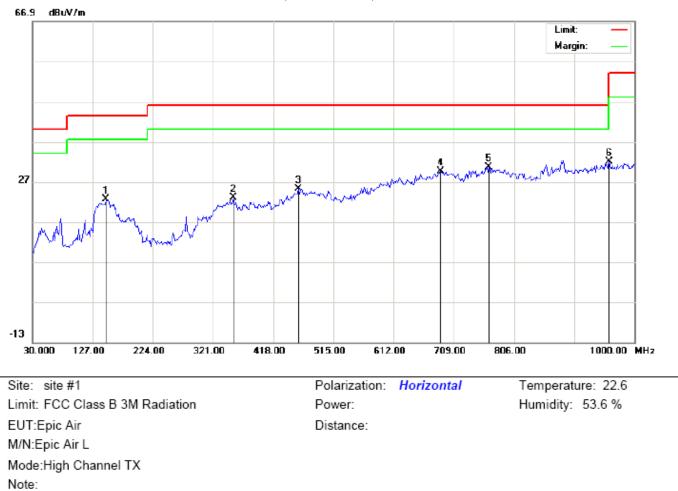
RADIATED EMISSION TEST- (30MHz-1GHz)-MIDDLE CHANNEL -VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∨	dB/m	dBu∨/m	dBuV/m	dB		cm	degree	
1		136.7000	12.57	13.82	26.39	43.50	-17.11	peak			
2		450.3333	4.50	20.59	25.09	46.00	-20.91	peak			
3		495.6000	4.26	21.08	25.34	46.00	-20.66	peak			
4		621.7000	4.33	23.22	27.55	46.00	-18.45	peak			
5		749.4167	4.16	26.61	30.77	46.00	-15.23	peak			
6	*	856.1167	4.14	27.47	31.61	46.00	-14.39	peak			

RESULT: PASS

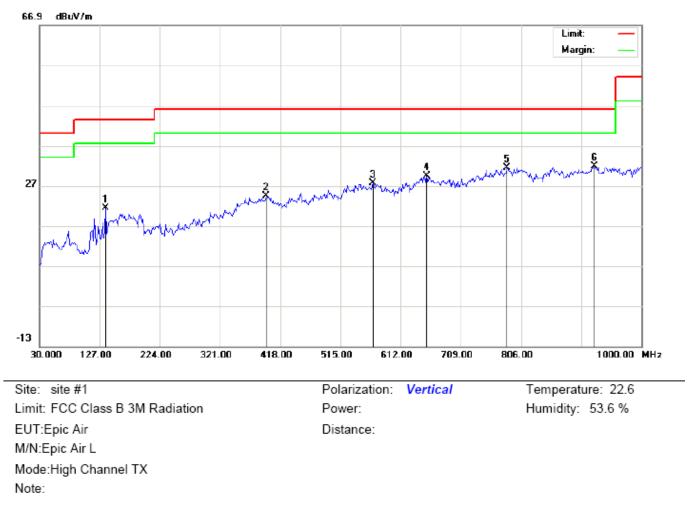
Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.



RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL-HORIZONTAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		148.0166	9.26	13.25	22.51	43.50	-20.99	peak			
2		353.3333	4.33	18.76	23.09	46.00	-22.91	peak			
3		458.4167	4.56	20.68	25.24	46.00	-20.76	peak			
4		687.9833	4.71	24.87	29.58	46.00	-16.42	peak			
5		765.5833	3.82	26.85	30.67	46.00	-15.33	peak			
6	*	959.5833	2.08	29.91	31.99	46.00	-14.01	peak			



RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL -VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		136.7000	7.57	13.82	21.39	43.50	-22.11	peak			
2		395.3667	5.45	19.04	24.49	46.00	-21.51	peak			
3		566.7333	5.04	22.56	27.60	46.00	-18.40	peak			
4		654.0333	5.35	23.96	29.31	46.00	-16.69	peak			
5		783.3667	4.24	27.09	31.33	46.00	-14.67	peak			
6	*	924.0167	2.48	29.28	31.76	46.00	-14.24	peak			

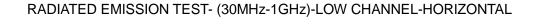
RESULT: PASS

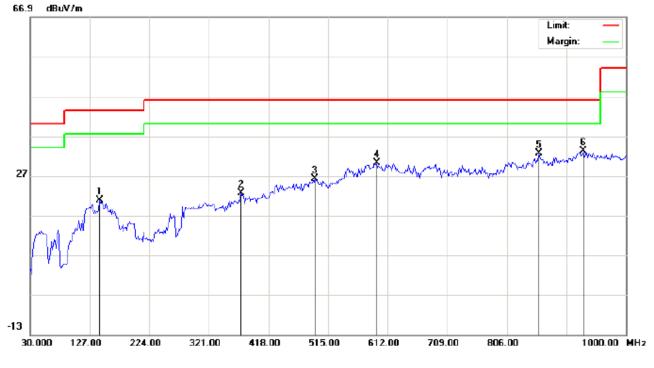
Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

RADIATED EMISSION BELOW 30MHz

No emission found between lowest internal used/generated frequencies to 30MHz. **RADIATED EMISSION BELOW 1GHz**

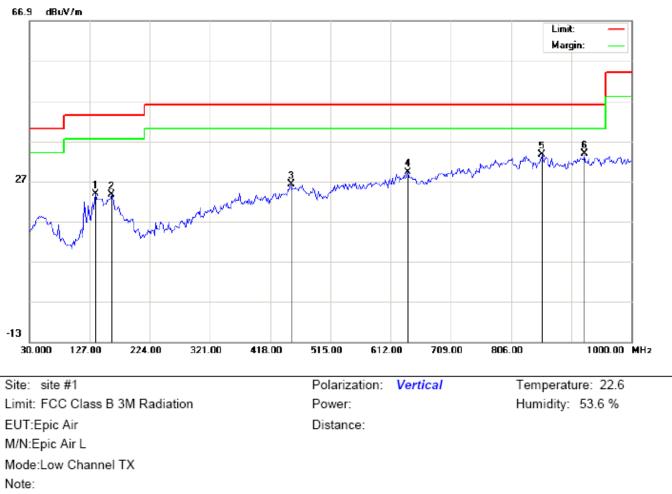




Site: site #1 Limit: FCC Class B 3M Radiation EUT:Epic Air M/N:Epic Air L Mode:Low Channel TX Note: Polarization: *Horizontal* Power: Temperature: 22.6 Humidity: 53.6 %

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∀	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		143.1667	6.30	14.43	20.73	43.50	-22.77	peak			
2		372.7333	3.79	18.89	22.68	46.00	-23.32	peak			
3		493.9833	5.06	21.07	26.13	46.00	-19.87	peak			
4		594.2166	6.55	23.59	30.14	46.00	-15.86	peak			
5		857.7333	5.12	27.51	32.63	46.00	-13.37	peak			
6	*	930.4833	3.68	29.46	33.14	46.00	-12.86	peak			

Distance:



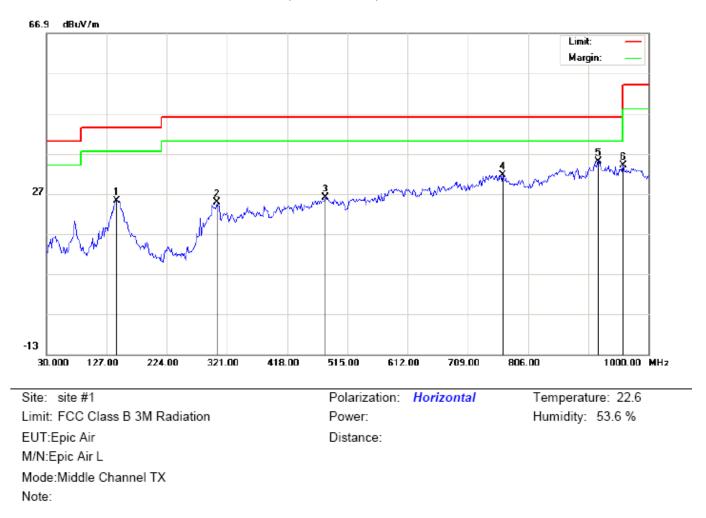
RADIATED EMISSION TEST- (30MHz-1GHz)-LOW CHANNEL -VERT	CAL
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No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		136.7000	10.07	13.82	23.89	43.50	-19.61	peak			
2		162.5667	8.53	15.17	23.70	43.50	-19.80	peak			
3		451.9500	5.57	20.61	26.18	46.00	-19.82	peak			
4		639.4833	5.55	23.61	29.16	46.00	-16.84	peak			
5		856.1167	6.14	27.47	33.61	46.00	-12.39	peak			
6	*	924.0167	4.48	29.28	33.76	46.00	-12.24	peak			

RESULT: PASS

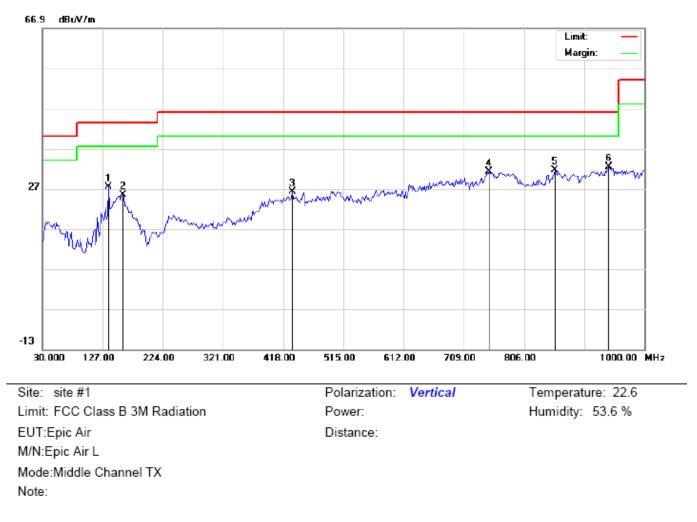
Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.



RADIATED EMISSION TEST- (30MHz-1GHz)-MIDDLE CHANNEL-HORIZONTAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∨	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		143.1667	10.80	14.43	25.23	43.50	-18.27	peak			
2		304.8333	9.16	15.73	24.89	46.00	-21.11	peak			
3		479.4333	5.19	20.91	26.10	46.00	-19.90	peak			
4		765.5833	4.82	26.85	31.67	46.00	-14.33	peak			
5	*	919.1667	5.86	29.14	35.00	46.00	-11.00	peak			
6		959.5833	4.08	29.91	33.99	46.00	-12.01	peak			



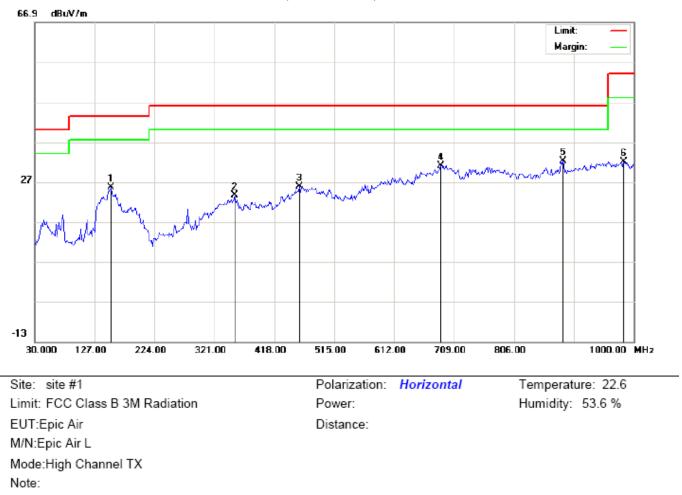
RADIATED EMISSION TEST- (30MHz-1GHz)- MIDDLE CHANNEL -VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBu\//m	dBuV/m	dB		cm	degree	
1		136.7000	13.57	13.82	27.39	43.50	-16.11	peak			
2		159.3333	9.99	15.33	25.32	43.50	-18.18	peak			
3		432.5500	6.22	20.06	26.28	46.00	-19.72	peak			
4		749.4167	4.66	26.61	31.27	46.00	-14.73	peak			
5		856.1167	4.14	27.47	31.61	46.00	-14.39	peak			
6	*	941.8000	2.59	29.77	32.36	46.00	-13.64	peak			

RESULT: PASS

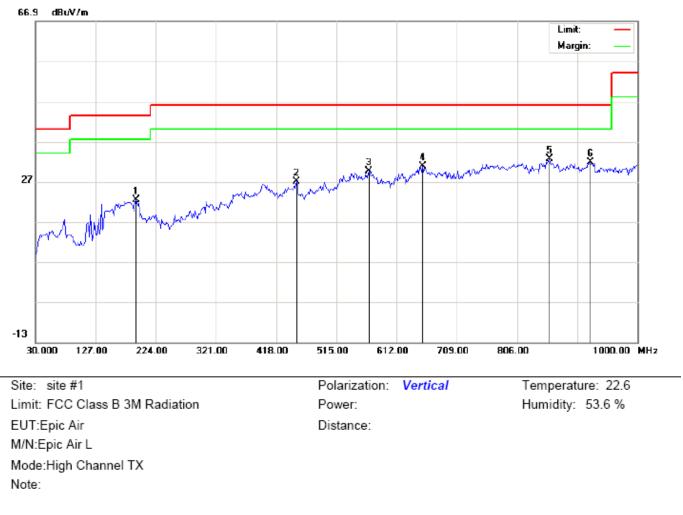
Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.



RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL-HORIZONTAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
	-	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		152.8667	13.50	12.07	25.57	43.50	-17.93	peak			
2		353.3333	4.83	18.76	23.59	46.00	-22.41	peak			
3		458.4167	5.06	20.68	25.74	46.00	-20.26	peak			
4		687.9833	6.21	24.87	31.08	46.00	-14.92	peak			
5	*	885.2167	3.94	28.23	32.17	46.00	-13.83	peak			
6		983.8333	2.38	29.68	32.06	54.00	-21.94	peak			



RADIATED EMISSION TEST- (30MHz-1GHz)-HIGH CHANNEL -VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		191.6667	11.21	11.11	22.32	43.50	-21.18	peak			
2		450.3333	6.50	20.59	27.09	46.00	-18.91	peak			
3		566.7333	7.04	22.56	29.60	46.00	-16.40	peak			
4		654.0333	6.85	23.96	30.81	46.00	-15.19	peak			
5	*	857.7333	5.09	27.51	32.60	46.00	-13.40	peak			
6		924.0167	2.48	29.28	31.76	46.00	-14.24	peak			

RESULT: PASS

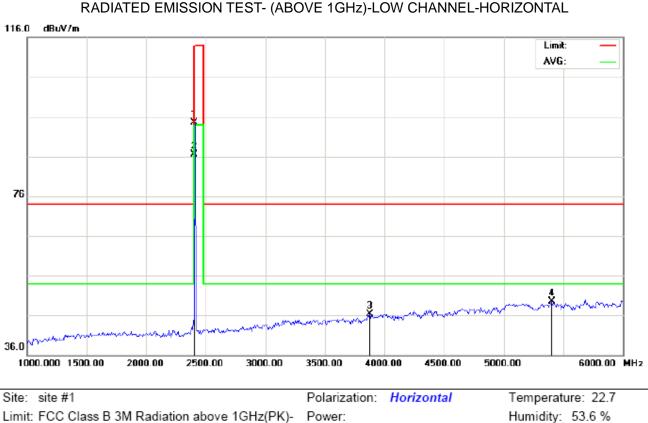
Note: 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

RADIATED EMISSION ABOVE 1GHz

(Worst modulation: GFSK)

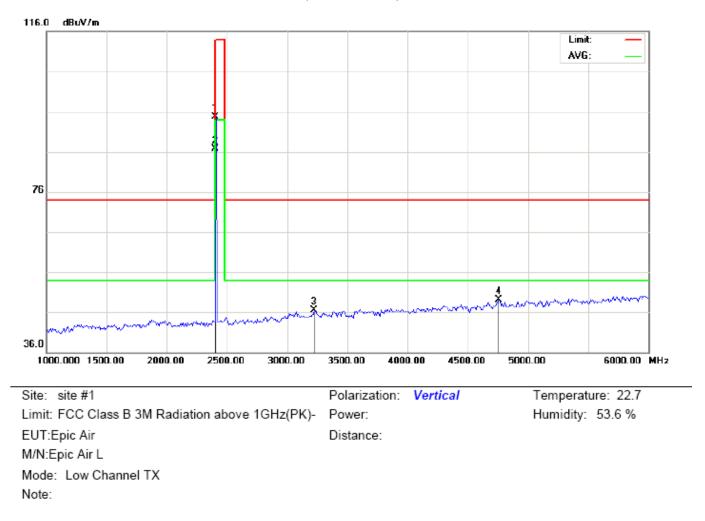
FOR BR/EDR



EUT:Epic Air M/N:Epic Air L Mode: Low Channel TX Note:

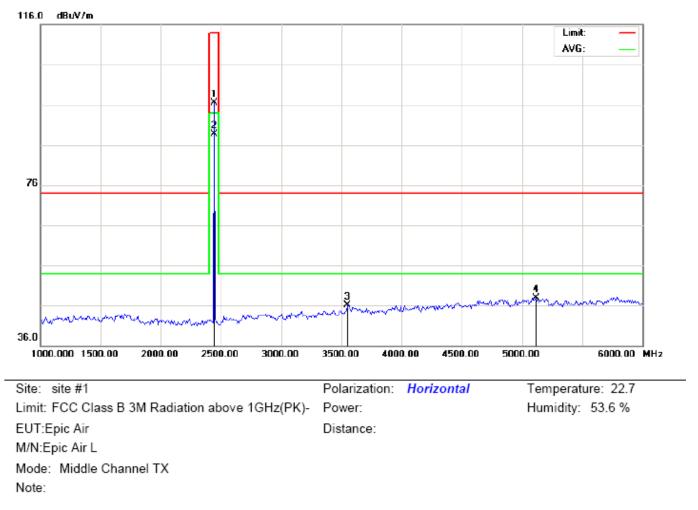
Distance:

Antenna Table Freq. Reading Factor Measurement Limit Over Mk Detector Height Degree No. Comment dBu∨ dB/m dBuV/m MHz dBuV/m dB cm degree 2402.000 10.32 94.53 114.00 -19.47 1 84.21 peak AVG 2 * 2402.000 76.25 10.32 86.57 94.00 -7.43 100 43 3 3875.000 31.93 14.42 46.35 74.00 -27.65 peak 4 0.19 49.46 74.00 -24.54 5400.000 49.27 peak



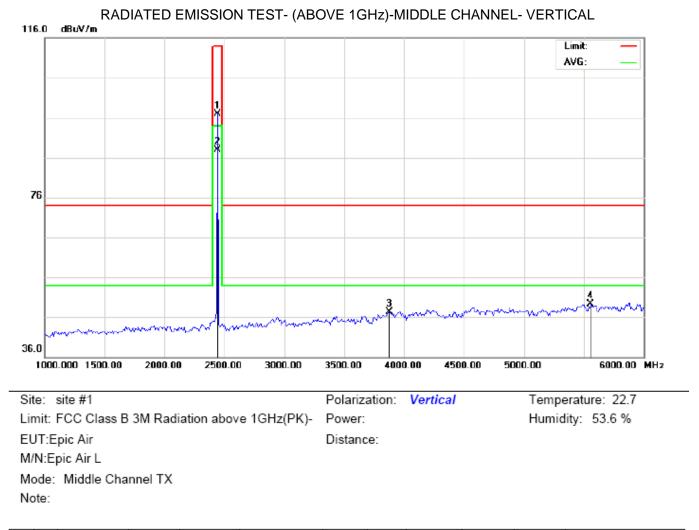
RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL- VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
	•	MHz	dBu∀	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		2402.000	84.32	10.32	94.64	114.00	-19.36	peak			
2	*	2402.000	76.41	10.32	86.73	94.00	-7.27	AVG	150	42	
3		3225.000	34.58	11.85	46.43	74.00	-27.57	peak			
4		4758.333	41.45	7.57	49.02	74.00	-24.98	peak			



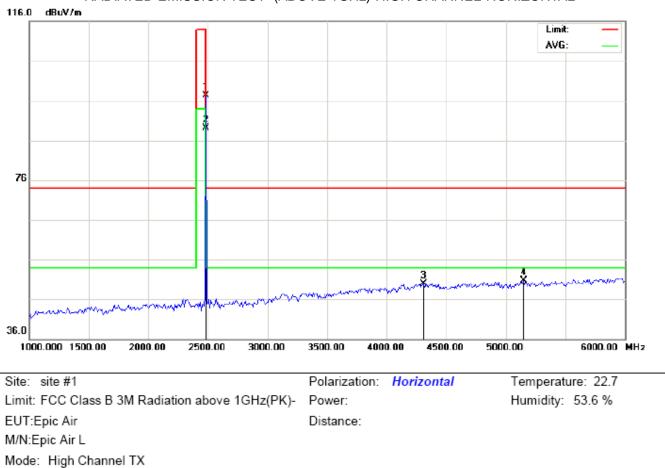
RADIATED EMISSION TEST- (ABOVE 1GHz)-MIDDLE CHANNEL-HORIZONTAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBuV/m	dBu∀/m	dB		cm	degree	
1		2441.000	86.24	10.36	96.60	114.00	-17.40	peak			
2	*	2441.000	78.40	10.36	88.76	94.00	-5.24	AVG	150	38	
3		3550.000	33.64	12.42	46.06	74.00	-27.94	peak			
4		5116.667	42.11	5.86	47.97	74.00	-26.03	peak			



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
	-	MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2441.000	86.49	10.36	96.85	114.00	-17.15	peak			
2	*	2441.000	77.58	10.36	87.94	94.00	-6.06	AVG	150	142	
3		3875.000	32.92	14.42	47.34	74.00	-26.66	peak			
4		5558.333	51.01	-1.78	49.23	74.00	-24.77	peak			

RESULT: PASS

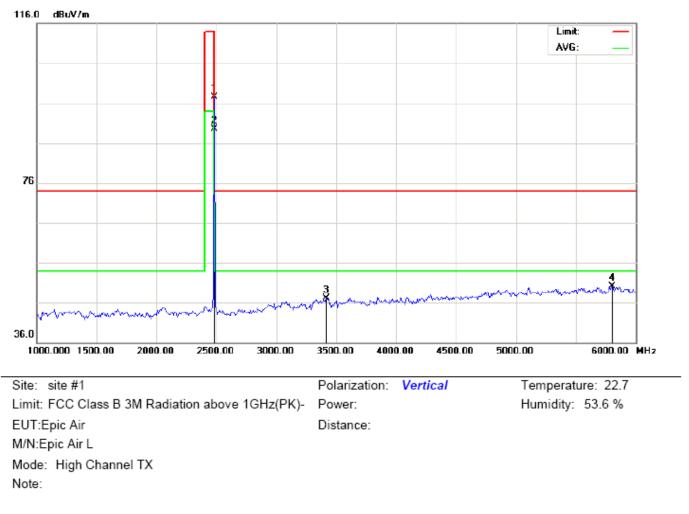


RADIATED EMISSION TEST- (ABOVE 1GH	Hz)-HIGH CHANNEL-HORIZONTAL
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Antenna Table Freq. Reading Factor Measurement Limit Over Mk Height Degree Detector No. Comment MHz dBu∨ dB/m dBuV/m dBuV/m dB degree cm 2480.000 86.97 97.38 114.00 -16.62 1 10.41 peak 2 2480.000 78.72 10.41 89.13 94.00 -4.87 AVG 150 54 * 3 -24.11 4308.333 39.82 10.07 49.89 74.00 peak 4 5.20 50.69 74.00 -23.31 5150.000 45.49 peak

RESULT: PASS

Note:



RADIATED EMISSION TEST- (ABOVE 1GHz)-HIGH CHANNEL- VERTICAL

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height		Comment
	•	MHz	dBu∨	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		2480.000	87.19	10.41	97.60	114.00	-16.40	peak			
2	*	2480.000	79.04	10.41	89.45	94.00	-4.55	AVG	150	37	
3		3416.667	35.10	12.03	47.13	74.00	-26.87	peak			
4		5800.000	51.78	-1.67	50.11	74.00	-23.89	peak			

RESULT: PASS

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

Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

Field strength of the fundamental signal

1Mbps Result:

Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	84.21	10.32	94.53	114	-19.47	Horizontal
2402	84.32	10.32	94.64	114	-19.36	Vertical
2441	86.24	10.36	96.60	114	-17.40	Horizontal
2441	86.49	10.36	96.85	114	-17.15	Vertical
2480	86.97	10.41	97.38	114	-16.62	Horizontal
2480	87.19	10.41	97.60	114	-16.40	Vertical

Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	76.25	10.32	86.57	94	-7.43	Horizontal
2402	76.41	10.32	86.73	94	-7.27	Vertical
2441	78.40	10.36	88.76	94	-5.24	Horizontal
2441	77.58	10.36	87.94	94	-6.06	Vertical
2480	78.72	10.41	89.13	94	-4.87	Horizontal
2480	79.04	10.41	89.45	94	-4.55	Vertical

2Mbps Result:

Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	83.66	10.32	93.98	114	-20.02	Horizontal
2402	83.67	10.32	93.99	114	-20.01	Vertical
2441	85.67	10.36	96.03	114	-17.97	Horizontal
2441	85.72	10.36	96.08	114	-17.92	Vertical
2480	86.45	10.41	96.86	114	-17.14	Horizontal
2480	86.47	10.41	96.88	114	-17.12	Vertical

Average value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	75.70	10.32	86.02	94	-7.98	Horizontal
2402	75.76	10.32	86.08	94	-7.92	Vertical
2441	77.83	10.36	88.19	94	-5.81	Horizontal
2441	77.87	10.36	88.23	94	-5.77	Vertical
2480	78.38	10.41	88.79	94	-5.21	Horizontal
2480	78.42	10.41	88.83	94	-5.17	Vertical

3Mbps Result:

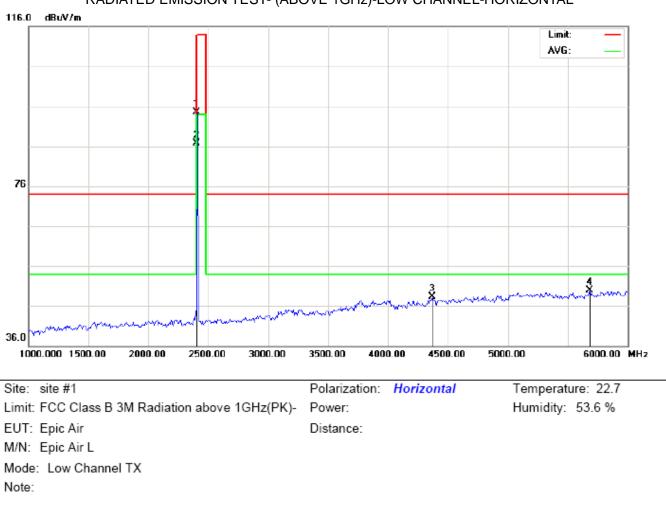
Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	83.09	10.32	93.41	114	-20.59	Horizontal
2402	83.12	10.32	93.44	114	-20.56	Vertical
2441	85.16	10.36	95.52	114	-18.48	Horizontal
2441	85.20	10.36	95.56	114	-18.44	Vertical
2480	84.83	10.41	95.24	114	-18.76	Horizontal
2480	84.85	10.41	95.26	114	-18.74	Vertical

Average value

Frequency	Reading Level	Factor	Factor Measurement		Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	75.10	10.32	85.42	94	-8.58	Horizontal
2402	75.14	10.32	85.46	94	-8.54	Vertical
2441	77.38	10.36	87.74	94	-6.26	Horizontal
2441	77.43	10.36	87.79	94	-6.21	Vertical
2480	77.95	10.41	88.36	94	-5.64	Horizontal
2480	77.98	10.41	88.39	94	-5.61	Vertical

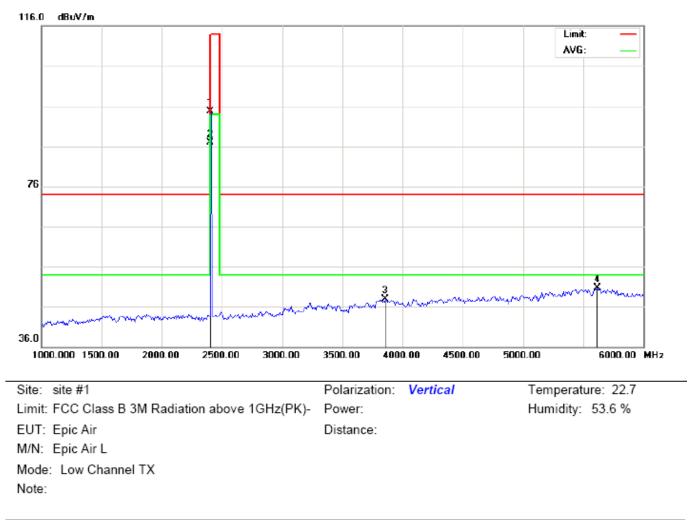
FOR BLE



Antenna Table Reading Factor Measurement Limit Over Mk Freq. Height Degree No. Detector Comment MHz dBu∨ dB/m dBuV/m dBuV/m dB degree cm 2402.000 84.27 94.59 1 10.32 114.00 -19.41 peak 2 * 2402.000 76.42 10.32 86.74 94.00 -7.26 AVG 279 100 3 4366.667 39.30 9.10 48.40 74.00 -25.60 peak 4 5683.333 51.57 -1.73 49.84 74.00 -24.16 peak

RESULT: PASS

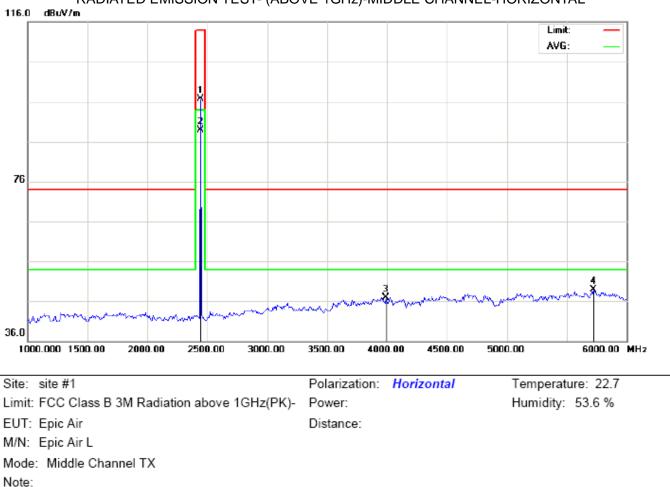
RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL-HORIZONTAL



RADIATED EMISSION TEST- (ABOVE 1GHz)-LOW CHANNEL- VERTICAL

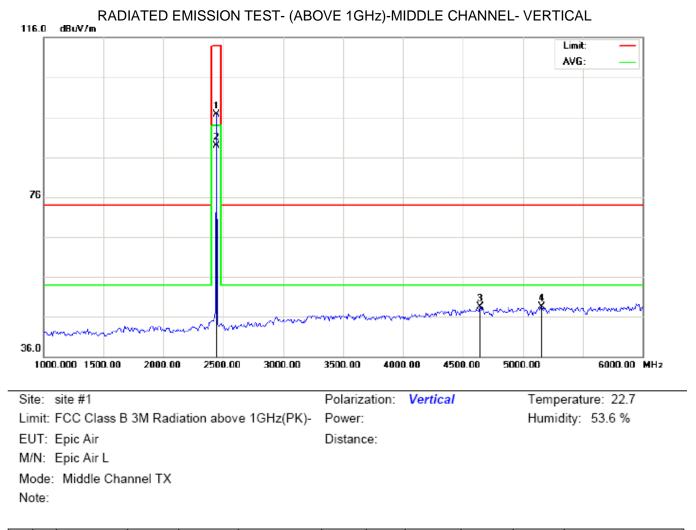
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		2402.000	84.30	10.32	94.62	114.00	-19.38	peak			
2	*	2402.000	76.49	10.32	86.81	94.00	-7.19	AVG	100	241	
3		3858.333	33.52	14.32	47.84	74.00	-26.16	peak			
4		5616.667	52.46	-1.76	50.70	74.00	-23.30	peak			

RESULT: PASS



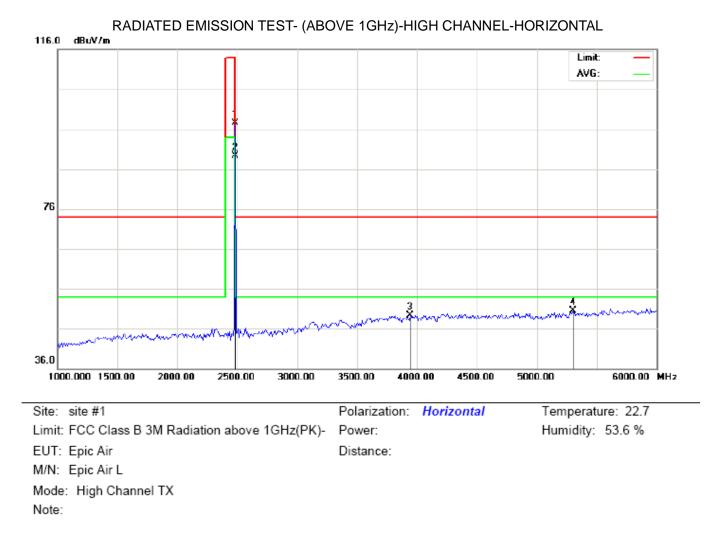
Antenna Table Freq. Reading Factor Measurement Limit Over Mk Height Degree No. Detector Comment MHz dBu∨ dB/m dBu\//m dBu∀/m dB degree cm 2440.000 86.38 96.74 114.00 -17.26 1 10.36 peak 2 2440.000 78.48 10.36 88.84 94.00 -5.16 AVG 100 189 * 3 3991.667 31.71 15.14 46.85 74.00 -27.15 peak -1.71 4 5725.000 50.56 48.85 74.00 -25.15 peak

RESULT: PASS



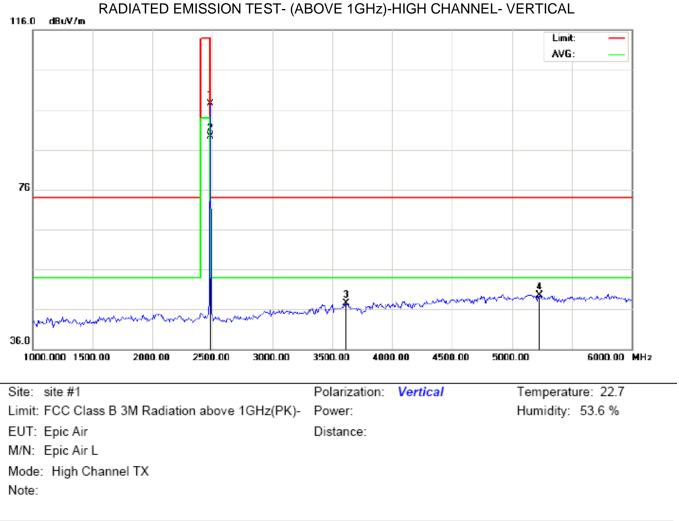
No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2440.000	86.43	10.36	96.79	114.00	-17.21	peak			
2	*	2440.000	78.49	10.36	88.85	94.00	-5.15	AVG	100	39	
3		4641.667	41.33	7.26	48.59	74.00	-25.41	peak			
4		5158.333	43.42	5.03	48.45	74.00	-25.55	peak			

RESULT: PASS



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1		2480.000	87.02	10.41	97.43	114.00	-16.57	peak			
2	*	2480.000	78.85	10.41	89.26	94.00	-4.74	AVG	150	289	
3		3941.667	34.54	14.83	49.37	74.00	-24.63	peak			
4		5300.000	48.37	2.19	50.56	74.00	-23.44	peak			

RESULT: PASS



No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2480.000	87.05	10.41	97.46	114.00	-16.54	peak			
2	*	2480.000	78.93	10.41	89.34	94.00	-4.66	AVG	100	124	
3		3616.667	34.69	12.83	47.52	74.00	-26.48	peak			
4		5233.333	46.07	3.53	49.60	74.00	-24.40	peak			

RESULT: PASS

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

Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

Field strength of the fundamental signal

Peak value

Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	84.27	10.32	94.59	114.00	-19.41	Horizontal
2402	84.30	10.32	94.62	114.00	-19.38	Vertical
2440	86.38	10.36	96.74	114.00	-17.26	Horizontal
2440	86.43	10.36	96.79	114.00	-17.21	Vertical
2480	87.02	10.41	97.43	114.00	-16.57	Horizontal
2480	87.05	10.41	97.46	114.00	-16.54	Vertical

Average value

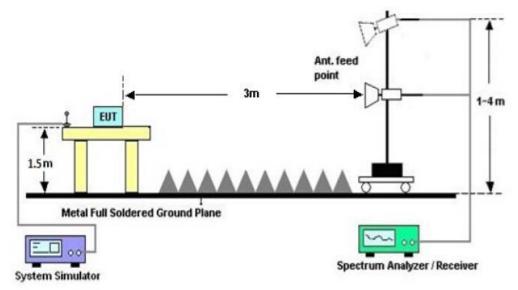
Frequency	Reading Level	Factor	Measurement	Limit	Over	Antenna
(MHz)	(dBuv)	(dB/m)	(dBuv/m)	(dBuv/m)	(dB)	Polarization
2402	76.42	10.32	86.74	94.00	-7.26	Horizontal
2402	76.49	10.32	86.81	94.00	-7.19	Vertical
2440	78.48	10.36	88.84	94.00	-5.16	Horizontal
2440	78.49	10.36	88.85	94.00	-5.15	Vertical
2480	78.85	10.41	89.26	94.00	-4.74	Horizontal
2480	78.93	10.41	89.34	94.00	-4.66	Vertical

9. BAND EDGE EMISSION

9.1. MEASUREMENT PROCEDURE

- 1. The EUT operates at hopping-off test mode. The lowest or highest channels are tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
- 2. Max hold the trace of the setup1, and the EUT operates at hopping-on test mode to verify the largest spurious emissions power.
- 3. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission

9.2 TEST SETUP



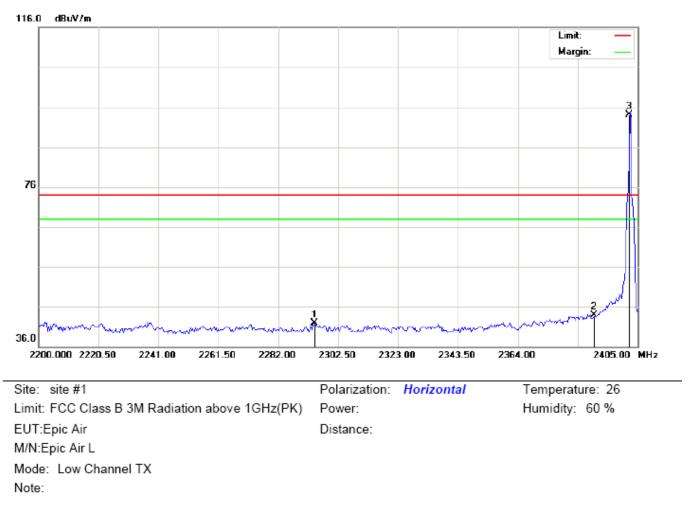
RADIATED EMISSION TEST SETUP

9.3 RADIATED TEST RESULT

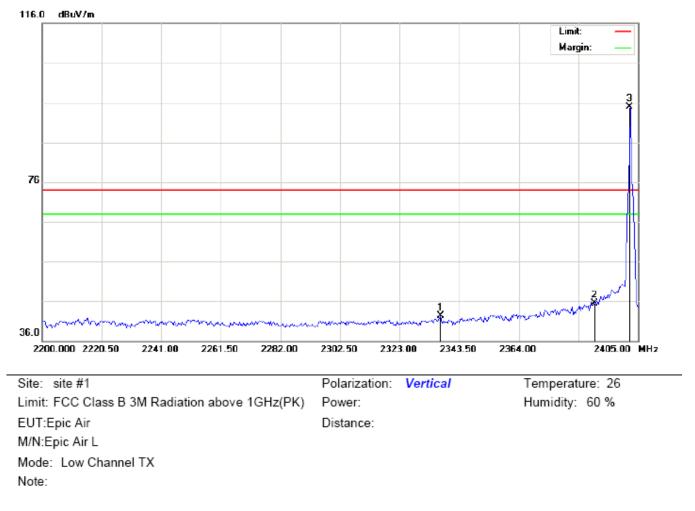
(Worst modulation: GFSK)

FOR BR/EDR

TEST PLOT OF BAND EDGE FOR LOW CHANNEL-Horizontal

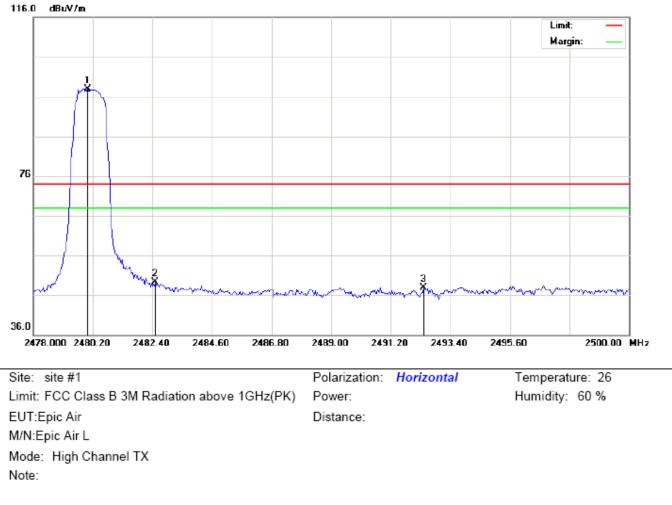


No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2294.300	31.73	10.20	41.93	74.00	-32.07	peak			
2		2390.000	33.50	10.31	43.81	74.00	-30.19	peak			
3	*	2402.000	83.72	10.32	94.04	74.00	20.04	peak			



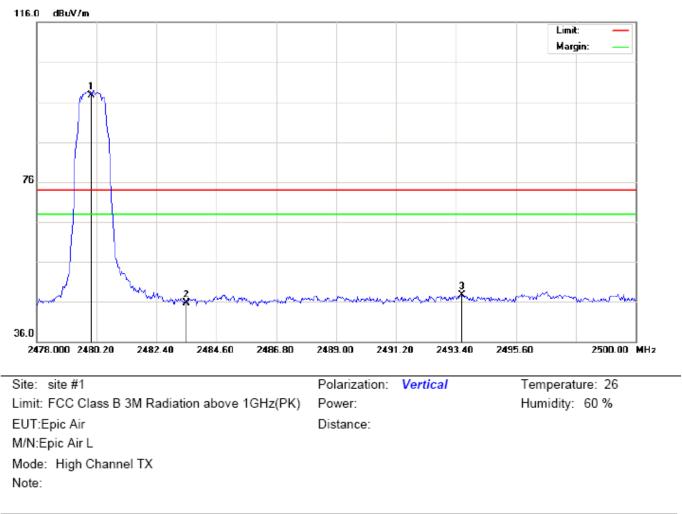
TEST PLOT OF BAND EDGE FOR LOW CHANNEL -Vertical

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBuV/m	dBu∨/m	dB		cm	degree	
1		2337.008	32.12	10.25	42.37	74.00	-31.63	peak			
2		2390.000	35.21	10.31	45.52	74.00	-28.48	peak			
3	*	2402.000	84.59	10.32	94.91	74.00	20.91	peak			



TEST PLOT OF BAND EDGE FOR HIGH CHANNEL -Horizontal

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2480.000	87.55	10.41	97.96	74.00	23.96	peak			
2		2482.500	38.81	10.41	49.22	74.00	-24.78	peak			
3		2492.410	37.44	10.42	47.86	74.00	-26.14	peak			



TEST PLOT OF BAND EDGE FOR HIGH CHANNEL-Vertical

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∀	dB/m	dBuV/m	dBu∀/m	dB		cm	degree	
1	*	2480.000	87.32	10.41	97.73	74.00	23.73	peak			
2		2483.500	35.26	10.41	45.67	74.00	-28.33	peak			
3		2493.620	37.23	10.42	47.65	74.00	-26.35	peak			

RESULT: PASS

Note: The other modes radiation emission have enough 20dB margin.

Factor=Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

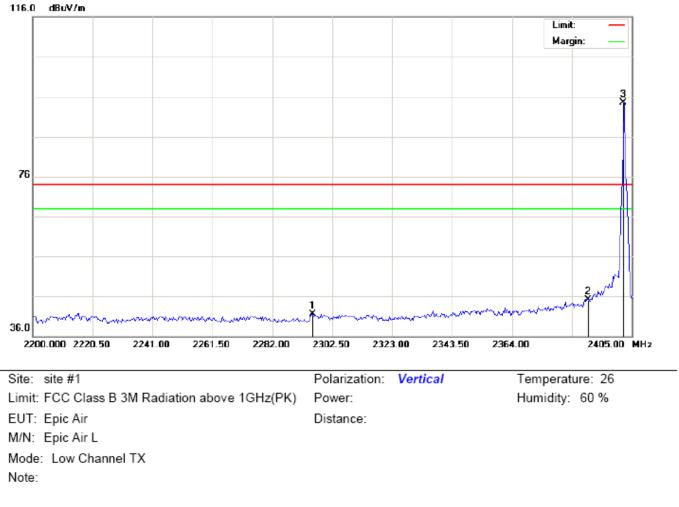
Hopping on mode and Hopping off mode have been tested, but only worst case reported.

FOR BLE

116.0 dBuV/m Limit: Margin: ŝ 76 36.0 2200.000 2220.50 2405.00 MHz 2241.00 2261.50 2282.00 2302.50 2364.00 2323.00 2343.50 Site: site #1 Polarization: Horizontal Temperature: 26 Limit: FCC Class B 3M Radiation above 1GHz(PK) Power: Humidity: 60 % EUT: Epic Air Distance: M/N: Epic Air L Mode: Low Channel TX Note:

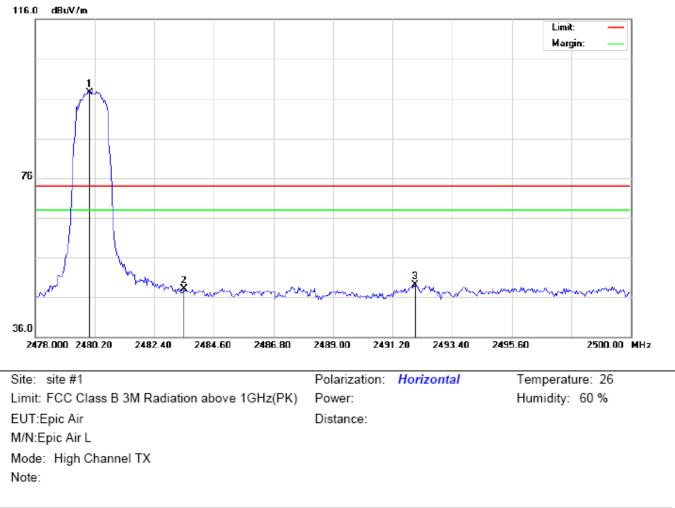
Antenna Table Freq. Reading Factor Measurement Limit Over Mk Height Degree No. Detector Comment MHz dBu∨ dB/m dBuV/m dBu∀/m dB cm degree 1 2294.300 31.73 41.93 74.00 10.20 -32.07 peak 2 35.00 45.31 74.00 2390.000 10.31 -28.69 peak 3 2402.000 84.16 10.32 94.48 74.00 20.48 * peak

TEST PLOT OF BAND EDGE FOR LOW CHANNEL-Horizontal



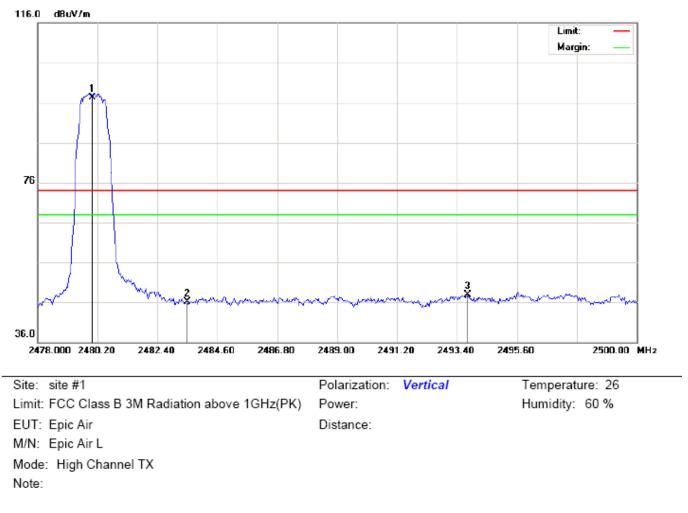
TEST PLOT OF BAND EDGE FOR LOW CHANNEL -Vertical

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∀	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1		2295.667	31.23	10.21	41.44	74.00	-32.56	peak			
2		2390.000	34.71	10.31	45.02	74.00	-28.98	peak			
3	*	2402.000	84.16	10.32	94.48	74.00	20.48	peak			



TEST PLOT OF BAND EDGE FOR HIGH CHANNEL -Horizontal

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	•	MHz	dBu∀	dB/m	dBu∀/m	dBuV/m	dB		cm	degree	
1	*	2480.000	87.08	10.41	97.49	74.00	23.49	peak			
2		2483.500	37.69	10.41	48.10	74.00	-25.90	peak			
3		2492.043	38.64	10.42	49.06	74.00	-24.94	peak			



TEST PLOT OF BAND EDGE FOR HIGH CHANNEL-Vertical

No.	Mk	Freq.	Reading	Factor	Measurement	Limit	Over	Detector	Antenna Height	Table Degree	Comment
	-	MHz	dBu∨	dB/m	dBuV/m	dBuV/m	dB		cm	degree	
1	*	2480.000	86.91	10.41	97.32	74.00	23.32	peak			
2		2483.500	35.76	10.41	46.17	74.00	-27.83	peak			
3		2493.803	37.53	10.42	47.95	74.00	-26.05	peak			

RESULT: PASS

Note: The other modes radiation emission have enough 20dB margin.

Factor=Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

The "Factor" value can be calculated automatically by software of measurement system.

Hopping on mode and Hopping off mode have been tested, but only worst case reported.

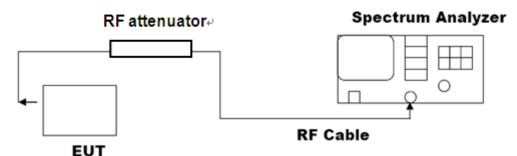
10. 20DB BANDWIDTH

10.1. MEASUREMENT PROCEDURE

- 1. Connect EUT RF output port to the Spectrum Analyzer through an RF attenuator
- 2. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
- 3. Set Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hoping channel $RBW \ge 1\%$ of the 20 dB bandwidth, VBW $\ge RBW$; Sweep = auto; Detector function = peak
- 4. Set SPA Trace 1 Max hold, then View.

10.2. TEST SET-UP

(BLOCK DIAGRAM OF CONFIGURATION)



Note: The EUT has been used temporary antenna connector for testing.

10.3. LIMITS AND MEASUREMENT RESULTS

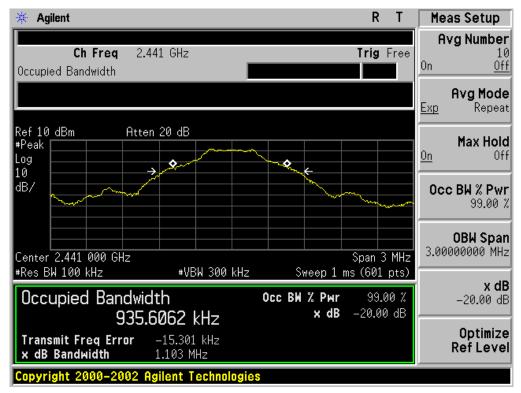
FOR BR/EDR

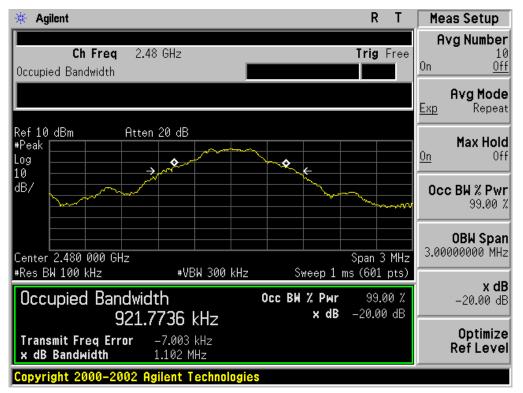
BLUETOOTH 1MBPS LIMITS AND MEASUREMENT RESULT								
		Measure	ement Result					
Applicable Limits		Result						
		99%OBW (MHz)	-20dB BW(MHz)	Result				
	Low Channel	0.934	1.108	PASS				
N/A	Middle Channel	0.936	1.103	PASS				
	High Channel	0.922	1.102	PASS				



TEST PLOT OF BANDWIDTH FOR LOW CHANNEL

TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

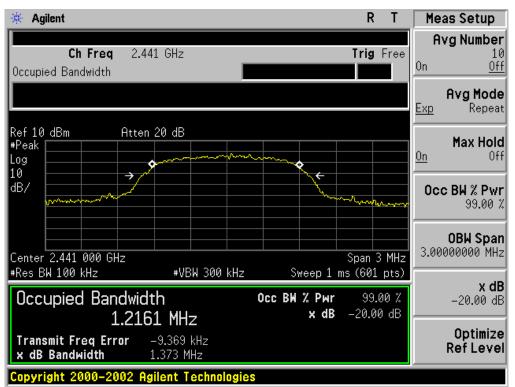




TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

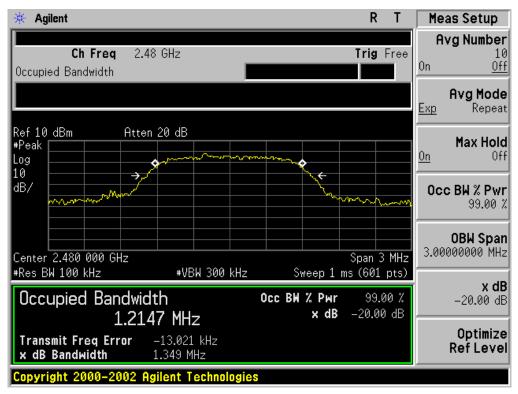
BLUETOOTH 2MBPS LIMITS AND MEASUREMENT RESULT								
		Measure	ement Result					
Applicable Limits		Result						
		99%OBW (MHz)	-20dB BW(MHz)	Nesult				
	Low Channel	1.197	1.341	PASS				
N/A	Middle Channel	1.216	1.373	PASS				
	High Channel	1.215	1.349	PASS				





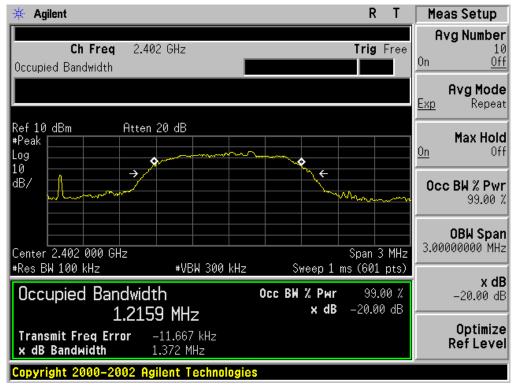
TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



BLUETOOTH 3MBPS LIMITS AND MEASUREMENT RESULT							
		Measure	ement Result				
Applicable Limits		Decult					
		99%OBW (MHz)	-20dB BW(MHz)	Result			
	Low Channel	1.216	1.372	PASS			
N/A	Middle Channel	1.230	1.400	PASS			
	High Channel	1.218	1.353	PASS			

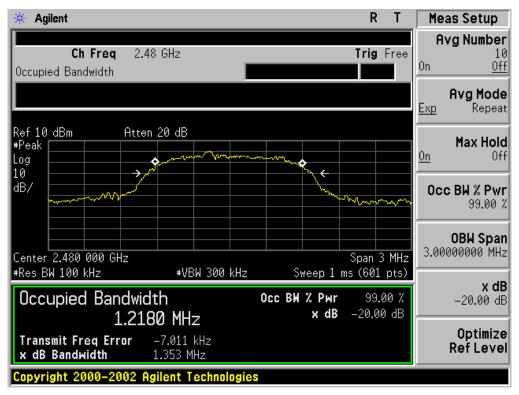
TEST PLOT OF BANDWIDTH FOR LOW CHANNEL





TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL

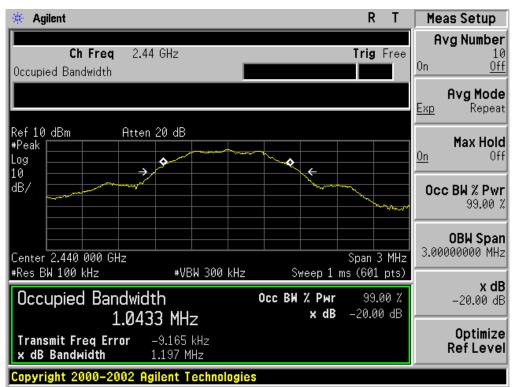


FOR	BLE

BLUETOOTH 1MBPS LIMITS AND MEASUREMENT RESULT								
		Measure	ement Result					
Applicable Limits		Result						
		99%OBW (MHz)	-20dB BW(MHz)	Result				
	Low Channel	1.047	1.204	PASS				
N/A	Middle Channel	1.043	1.197	PASS				
	High Channel	1.042	1.194	PASS				

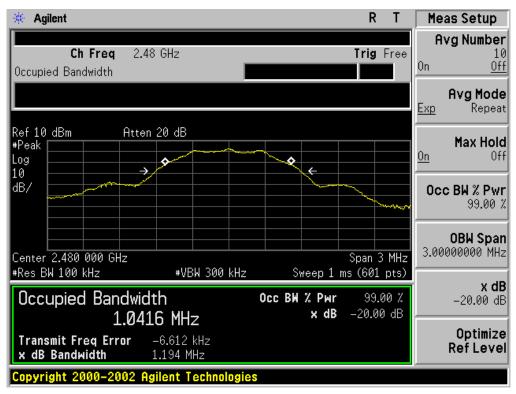


TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL

TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



11. FCC LINE CONDUCTED EMISSION TEST

11.1. LIMITS OF LINE CONDUCTED EMISSION TEST

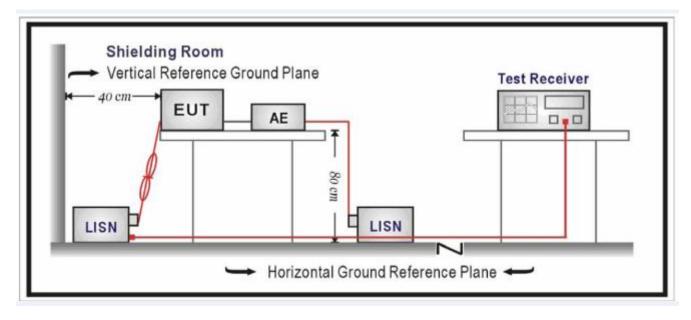
Frequency	Maximum RF Line Voltage				
Frequency	Q.P.(dBuV)	Average(dBuV)			
150kHz~500kHz	66-56	56-46			
500kHz~5MHz	56	46			
5MHz~30MHz	60	50			

Note:

1. The lower limit shall apply at the transition frequency.

2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

11.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



11.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2. Support equipment, if needed, was placed as per ANSI C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC charging voltage by adapter or PC which received 120V/60Hzpower by a LISN.
- 6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

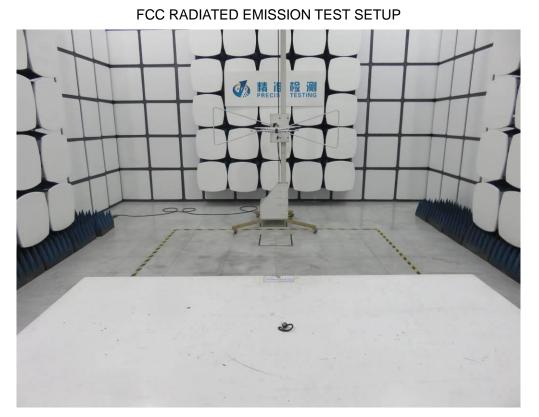
11.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

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

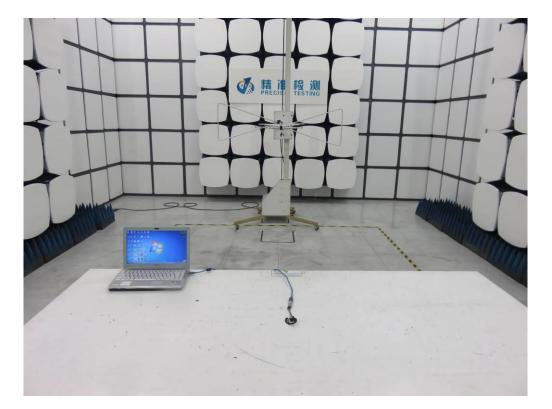
11.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

N/A

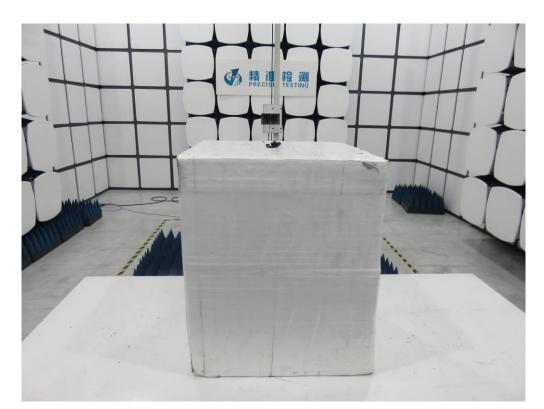
Note: The BT function of EUT didn't work when charging.

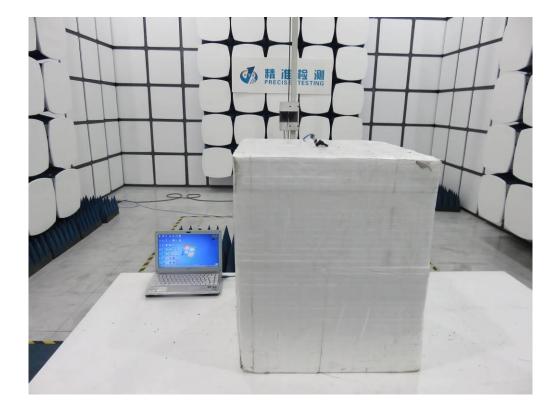


APPENDIX A: PHOTOGRAPHS OF TEST SETUP



Report No.: AGC00797161202FE03 Page 67 of 76







APPENDIX B: PHOTOGRAPHS OF EUT

ALL VIEW OF EUT-1

ALL VIEW OF EUT-2





TOP VIEW OF EUT

BOTTOM VIEW OF EUT



Report No.: AGC00797161202FE03 Page 70 of 76



FRONT VIEW OF EUT

BACK VIEW OF EUT

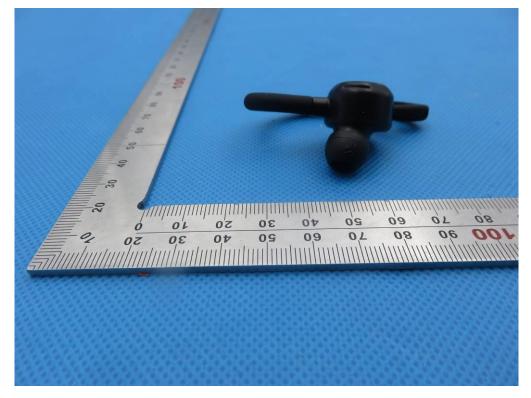


Report No.: AGC00797161202FE03 Page 71 of 76

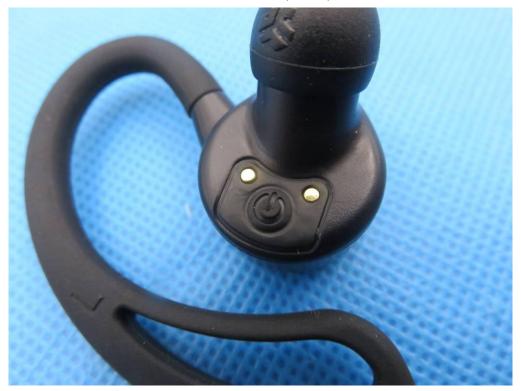
LEFT VIEW OF EUT



RIGHT VIEW OF EUT



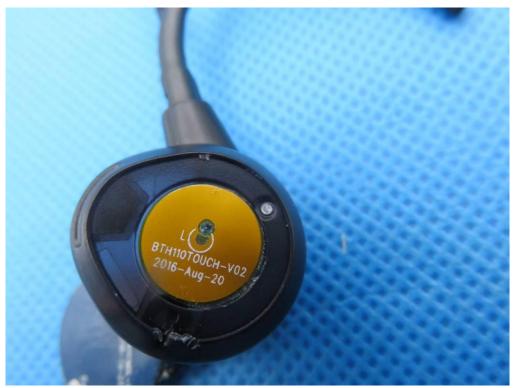
Report No.: AGC00797161202FE03 Page 72 of 76



VIEW OF EUT (PORT)

OPEN VIEW OF EUT

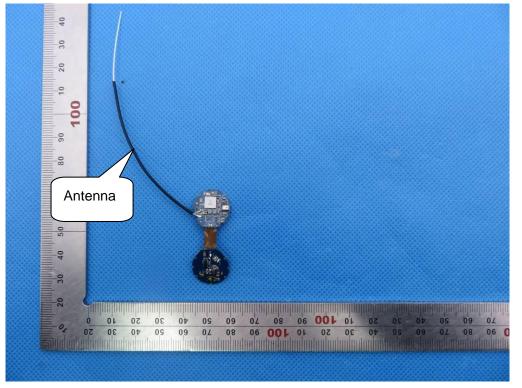




INTERNAL VIEW OF EUT-1

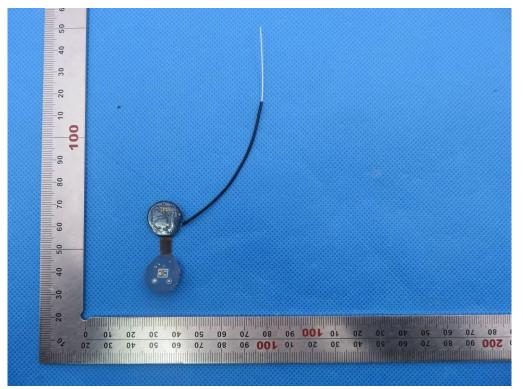
INTERNAL VIEW OF EUT-2

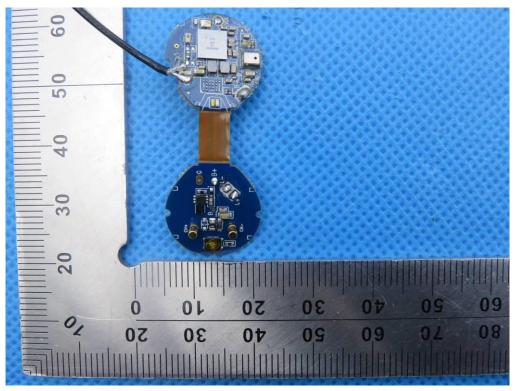




INTERNAL VIEW OF EUT-3

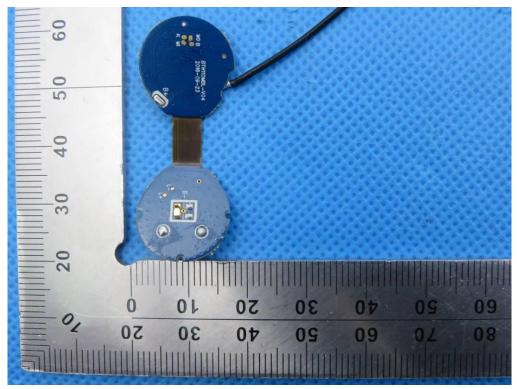
INTERNAL VIEW OF EUT-4





INTERNAL VIEW OF EUT-5

INTERNAL VIEW OF EUT-6





INTERNAL VIEW OF EUT-7

----END OF REPORT----