RF TEST REPORT



Report No.: 15070633-FCC-R2 Supersede Report No.: N/A

Applicant	Hesvit Health Tech Co., Ltd.				
Product Name	Hesvitband				
Model No.	Hesvit S3	Hesvit S3			
Serial No.	N/A				
Test Standard	FCC Part 1	FCC Part 15.247: 2014, ANSI C63.10: 2013			
Test Date	November 17 to November 25, 2015				
Issue Date	November 25, 2015				
Test Result	Pass Fail				
Equipment complied with the specification					
Equipment did not comply with the specification					
Winnie.	Zhemg	David Huang			
Winnie Zhang Test Engineer		David Huang Checked By			

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Test result presented in this test report is applicable to the tested sample only

Issued by:

SIEMIC (SHENZHEN-CHINA) LABORATORIES

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Laboratories Introduction

SIEMIC, headquartered in the heart of Silicon Valley, with superior facilities in US and Asia, is one of the leading independent testing and certification facilities providing customers with one-stop shop services for Compliance Testing and Global Certifications.



In addition to testing and certification, SIEMIC provides initial design reviews and compliance management throughout a project. Our extensive experience with China, Asia Pacific, North America, European, and International compliance requirements, assures the fastest, most cost effective way to attain regulatory compliance for the global markets.

Accreditations for Conformity Assessment

Country/Region	Scope
USA	EMC, RF/Wireless, SAR, Telecom
Canada	EMC, RF/Wireless, SAR, Telecom
Taiwan	EMC, RF, Telecom, SAR, Safety
Hong Kong	RF/Wireless, SAR, Telecom
Australia	EMC, RF, Telecom, SAR, Safety
Korea	EMI, EMS, RF, SAR, Telecom, Safety
Japan	EMI, RF/Wireless, SAR, Telecom
Singapore	EMC, RF, SAR, Telecom
Europe	EMC, RF, SAR, Telecom, Safety



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1. Report Revision History

Report No.	Report Version	Description	Issue Date
15070633-FCC-R2	NONE	Original	November 25, 2015
			_

2. Customer information

Applicant Name	Hesvit Health Tech Co., Ltd.	
Applicant Add	Room 201, Block A, No.1, First Qianwan Road, Qianhai Shenzhen-Hong Kong	
	Cooperation Zone, Shenzhen	
Manufacturer	Hesvit Health Tech Co., Ltd.	
Manufacturer Add	Room 201, Block A, No.1, First Qianwan Road, Qianhai Shenzhen-Hong Kong	
	Cooperation Zone, Shenzhen	

3. Test site information

Lab performing tests	SIEMIC (Shenzhen-China) LABORATORIES	
	Zone A, Floor 1, Building 2 Wan Ye Long Technology Park	
Lab Address South Side of Zhoushi Road, Bao' an District, Shenzhen, Guangd		
	China 518108	
FCC Test Site No.	718246	
IC Test Site No.	4842E-1	
Test Software	Radiated Emission Program-To Shenzhen v2.0	



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4. Equipment under Test (EUT) Information

Description of EUT:	Hesvitband

Main Model: Hesvit S3

Serial Model: N/A

Date EUT received: November 16, 2015

Test Date(s): November 17 to November 25, 2015

Equipment Category : DTS

Antenna Gain: BLE: 2.0dBi

Type of Modulation: BLE: GFSK

RF Operating Frequency (ies): BLE: 2402-2480 MHz

Max. Output Power: -9.308dBm

Number of Channels: BLE: 40CH

Port: USB Port

Trade Name :

USB: 5V

Input Power:

Battery: 60mAh,3.7V

FCC ID: 2AGNES3



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5. Test Summary

The product was tested in accordance with the following specifications.

All testing has been performed according to below product classification:

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliance
§15.247 (a)(2)	DTS (6 dB) CHANNEL BANDWIDTH	Compliance
§15.247(b)(3)	Conducted Maximum Output Power	Compliance
§15.247(e)	Power Spectral Density Complia	
§15.247(d)	Band-Edge & Unwanted Emissions into Non-Restricted Frequency Bands	Compliance
§15.207 (a),	AC Power Line Conducted Emissions Complianc	
§15.205, §15.209,	Radiated Spurious Emissions & Unwanted Emissions	
§15.247(d)	into Restricted Frequency Bands	

Measurement Uncertainty

Emissions		
Test Item	Uncertainty	
Band Edge and Radiated Spurious Emissions	Confidence level of approximately 95% (in the case where distributions are normal), with a coverage factor of 2 (for EUTs < 0.5m X 0.5m X 0.5m)	+5.6dB/-4.5dB
-	-	-



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6. Measurements, Examination And Derived Results

6.1 Antenna Requirement

Applicable Standard

According to § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the user of a standard antenna jack or electrical connector is prohibited. The structure and application of the EUT were analyzed to determine compliance with section §15.203 of the rules. §15.203 state that the subject device must meet the following criteria:

- a. Antenna must be permanently attached to the unit.
- b. Antenna must use a unique type of connector to attach to the EUT.

Unit must be professionally installed, and installer shall be responsible for verifying that the correct antenna is employed with the unit.

And according to FCC 47 CFR section 15.247 (b), if the transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The EUT has 1 antenna:

A permanently attached PCB antenna for BLE, the gain is 2.0dBi for BLE.

The antenna meets up with the ANTENNA REQUIREMENT.

Result: Compliance.



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6.2 DTS (6 dB) Channel Bandwidth

Temperature	25°C
Relative Humidity	53%
Atmospheric Pressure	1020mbar
Test date :	November 20, 2015
Tested By :	Winnie Zhang

Spec	Item Requirement A		Applicable		
§ 15.247(a)(2)	a)	V			
RSS Gen(4.6.1)	b)	b) 99% BW: For FCC reference only; required by IC.			
Test Setup		Spectrum Analyzer EUT			
Test Procedure	Spectrum Analyzer 558074 D01 DTS MEAS Guidance v03r02, 8.1 DTS bandwidth 6dB Emission bandwidth measurement procedure - Set RBW = 100 kHz. - Set the video bandwidth (VBW) ≥ 3 RBW. - Detector = Peak. - Trace mode = max hold. - Sweep = auto couple. - Allow the trace to stabilize. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.				
Remark					
Result	Pas	ss Fail			

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}



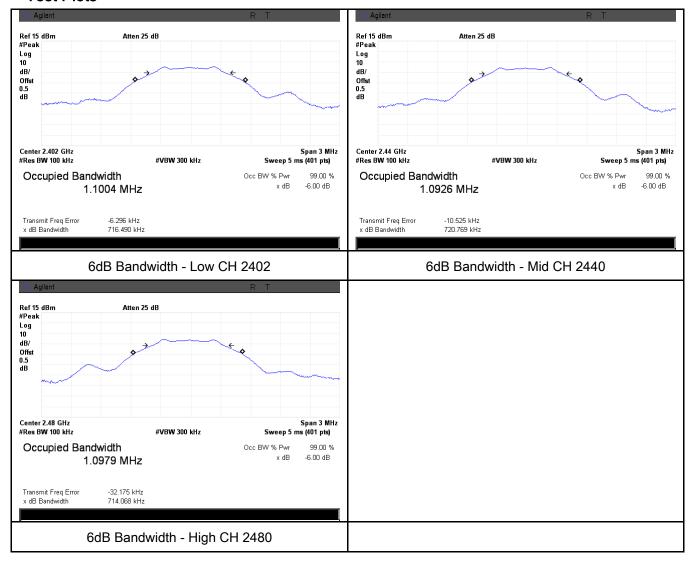
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6dB Bandwidth measurement result

Test Data

СН	Freq (MHz)	6dB Bandwidth (kHz)	99% Occupied Bandwidth (MHz)
Low	2402	716.490	1.1004
Mid	2440	720.769	1.0926
High	2480	714.068	1.0979

Test Plots





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6.3 Maximum Output Power

Temperature	25°C
Relative Humidity	53%
Atmospheric Pressure	1020mbar
Test date :	November 20, 2015
Tested By :	Winnie Zhang

Requirement(s):

Spec	Item	Requirement	Applicable	
	a)	FHSS in 2400-2483.5MHz with ≥ 75 channels: ≤ 1 Watt		
	b)	FHSS in 5725-5850MHz: ≤ 1 Watt		
	c)	For all other FHSS in the 2400-2483.5MHz band: ≤ 0.125		
§15.247(b)		Watt.		
(2),RSS210	d)	FHSS in 902-928MHz with ≥ 50 channels: ≤ 1 Watt		
(A8.4)	e)	FHSS in 902-928MHz with ≥ 25 & <50 channels: ≤ 0.25		
		Watt		
	f)	DSSS in 902-928MHz, 2400-2483.5MHz, 5725-5850MHz:	V	
		≤ 1 Watt		
Test Setup				
	559074	Spectrum Analyzer EUT D01 DTS MEAS Guidance v03r02, 9.1.2 Integrated band power meth	and and	
		m output power measurement procedure	lou	
	a) Set the RBW ≥ DTS bandwidth.			
	,	BW≥ 3×RBW.		
Test	c) Set span ≥ 3 x RBW			
Procedure	d) Swee	p time = auto couple.		
	e) Detec	etor = peak.		
	f) Trace	race mode = max hold.		
	g) Allow trace to fully stabilize.			
	h) Use peak marker function to determine the peak amplitude level.			
Remark				
Result	Pas	s Fail		



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Test Data	Yes	□ _{N/A}
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Test Plot
✓ Yes (See below)
✓ N/A



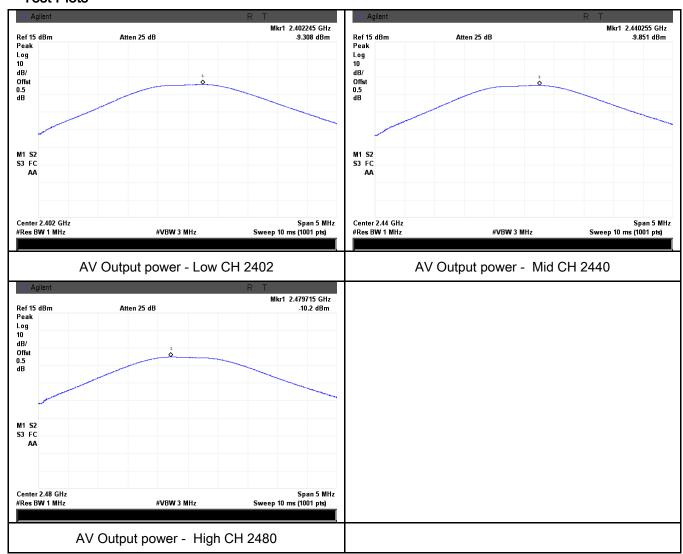
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Output Power measurement result

Test Data

Туре	СН	Freq (MHz)	Conducted Power (dBm)	Limit (dBm)	Result
Output	Low	2402	-9.308	30	Pass
Output	Mid	2440	-9.851	30	Pass
power	High	2480	-10.20	30	Pass

Test Plots





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6.4 Power Spectral Density

	,
Temperature	25°C
Relative Humidity	53%
Atmospheric Pressure	1020mbar
Test date :	November 20, 2015
Tested By :	Winnie Zhang

Spec	Item	Requirement	Applicable	
§15.247(e)	a) The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.			
Test Setup		Spectrum Analyzer EUT		
Test Procedure	558074 D01 DTS MEAS Guidance v03r02, 10.2 power spectral density method power spectral density measurement procedure - a) Set analyzer center frequency to DTS channel center frequency. - b) Set the span to 1.5 times the DTS bandwidth. - c) Set the RBW to: 3 kHz ≤ RBW ≤ 100 kHz. - d) Set the VBW ≥ 3 × RBW. - e) Detector = peak. - f) Sweep time = auto couple. - g) Trace mode = max hold. - h) Allow trace to fully stabilize. - i) Use the peak marker function to determine the maximum amplitude level within the RBW. - j) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.			
Remark			•	
Result	Pas	ss Fail		

Test Data
Yes
N/A
Test Plot
Yes (See below)
N/A



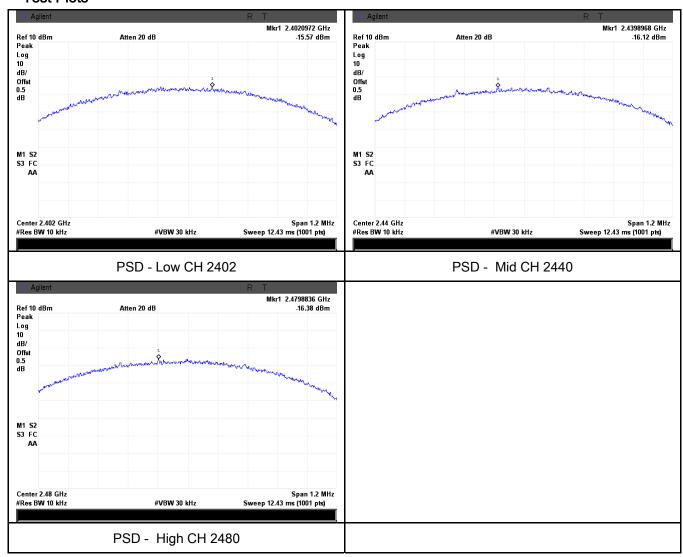
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Power Spectral Density measurement result

Test Data

Туре	СН	Freq (MHz)	PSD (dBm)	Limit (dBm)	Result
	Low	2402	-15.57	8	Pass
PSD	Mid	2440	- 16.12	8	Pass
	High	2480	-16.38	8	Pass

Test Plots





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6.5 Band-Edge & Unwanted Emissions into Non-Restricted Frequency Bands

Temperature	24°C
Relative Humidity	52%
Atmospheric Pressure	1019mbar
Test date :	November 19, 2015
Tested By :	Winnie Zhang

Requirement(s):

Spec	Item	Requirement	Applicable	
§15.247(d)	a)	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.	>	
Test Setup	Ant. Tower Support Units Ground Plane Test Receiver			
Test Procedure	Radiated Method Only 1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator. 2. Position the EUT without connection to measurement instrument. Put it on the Rotated table and turn on the EUT and make it operate in transmitting mode. Then set it to Low Channel and High Channel within its operating range, and make sure the instrument is operated in its linear range.			



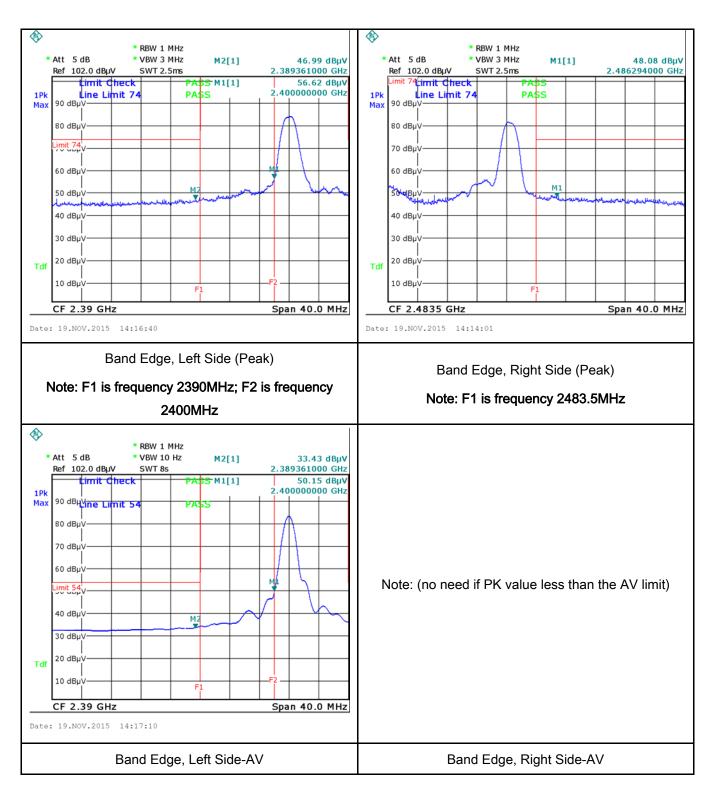
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	3. First, set both RBW and VBW of spectrum analyzer to 100 kHz with a
	convenient frequency span including 100kHz bandwidth from band edge, check
	the emission of EUT, if pass then set Spectrum Analyzer as below:
	a. The resolution bandwidth and video bandwidth of test receiver/spectrum
	analyzer is 120 kHz for Quasiy Peak detection at frequency below 1GHz.
	b. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video
	bandwidth is 3MHz with Peak detection for Peak measurement at frequency above
	1GHz.
	c. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the
	video bandwidth is 10Hz with Peak detection for Average Measurement as below
	at frequency above 1GHz.
	- 4. Measure the highest amplitude appearing on spectral display and set it as a
	reference level. Plot the graph with marking the highest point and edge frequency.
	S. Repeat above procedures until all measured frequencies were complete.
Remark	
Result	Pass Fail
	•
5	a. = ==================================
Test Data	Yes N/A
Test Plot	Yes (See below)



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Test Plots Band Edge measurement result





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6.6 AC Power Line Conducted Emissions

Temperature	25°C		
Relative Humidity	53%		
Atmospheric Pressure	1020mbar		
Test date :	November 20, 2015		
Tested By:	Winnie Zhang		

Requirement(s):

Spec	Item	Requirement	Applicable		
47CFR§15. 207, RSS210 (A8.1)	a)	For Low-power radio-frequency devices that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 [mu] H/50 ohms line impedance stabilization network (LISN). The lower limit applies at the boundary between the frequencies ranges. Frequency ranges Limit (dBµV) QP Average			N. C.
		0.15 ~ 0.5 0.5 ~ 5 5 ~ 30	66 – 56 56	56 – 46 46	
Test Setup	Vertical Ground Reference Plane Horizontal Ground Reference Plane Note: 1.Support units were connected to second LISN. 2.Both of LISNs (AMN) are 80cm from EUT and at least 80cm				
Procedure	 The EUT and supporting equipment were set up in accordance with the requirements of the standard on top of a 1.5m x 1m x 0.8m high, non-metallic table. The power supply for the EUT was fed through a 50W/50mH EUT LISN, connected to filtered mains. The RF OUT of the EUT LISN was connected to the EMI test receiver via a low-loss 				



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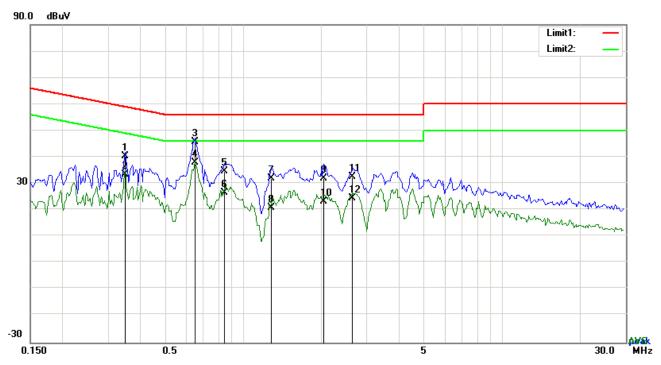
	coaxial cable.				
	4. All other supporting equipment were powered separately from another main supply.				
	5. The EUT was switched on and allowed to warm up to its normal operating condition.				
	6. A scan was made on the NEUTRAL line (for AC mains) or Earth line (for DC power)				
	over the required frequency range using an EMI test receiver.				
	7. High peaks, relative to the limit line, The EMI test receiver was then tuned to the				
	selected frequencies and the necessary measurements made with a receiver bandwidth				
	setting of 10 kHz.				
	8. Step 7 was then repeated for the LIVE line (for AC mains) or DC line (for DC power).				
Remark					
Result	Pass Fail				

Test Data	Yes	□ _{N/A}
Test Plot	Yes (See below)	□ _{N/A}



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Test Mode: Transmitting Mode



Test Data

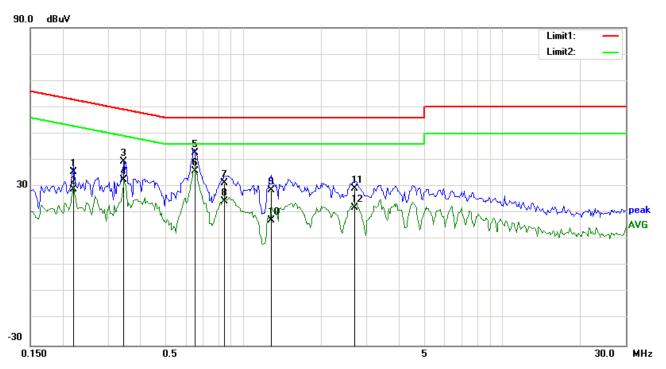
Phase Line Plot at 120Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	L1	0.3489	30.36	QP	10.03	40.39	58.99	-18.60
2	L1	0.3489	23.47	AVG	10.03	33.50	48.99	-15.49
3	L1	0.6492	35.58	QP	10.03	45.61	56.00	-10.39
4	L1	0.6492	27.78	AVG	10.03	37.81	46.00	-8.19
5	L1	0.8481	24.52	QP	10.03	34.55	56.00	-21.45
6	L1	0.8481	16.54	AVG	10.03	26.57	46.00	-19.43
7	L1	1.2810	21.91	QP	10.03	31.94	56.00	-24.06
8	L1	1.2810	10.84	AVG	10.03	20.87	46.00	-25.13
9	L1	2.0376	22.00	QP	10.04	32.04	56.00	-23.96
10	L1	2.0376	13.19	AVG	10.04	23.23	46.00	-22.77
11	L1	2.6421	22.58	QP	10.05	32.63	56.00	-23.37
12	L1	2.6421	14.35	AVG	10.05	24.40	46.00	-21.60



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Test Mode: Transmitting Mode



Test Data

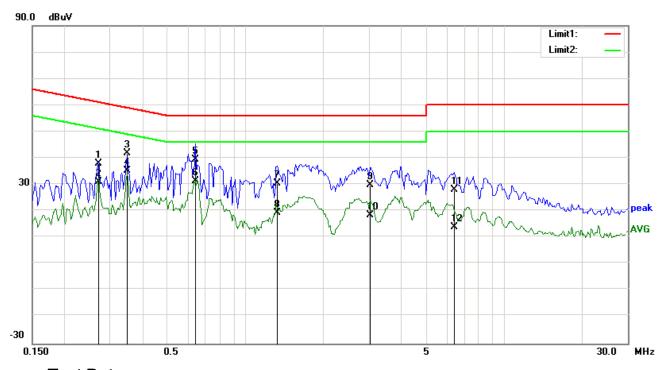
Phase Neutral Plot at 120Vac, 60Hz

No.	P/L	Frequency	Reading	Detector	Corrected	Result	Limit	Margin
		(MHz)	(dBµV)	20.00.0	(dB)	(dBµV)	(dBµV)	(dB)
1	N	0.2202	25.63	QP	10.02	35.65	62.81	-27.16
2	N	0.2202	18.92	AVG	10.02	28.94	52.81	-23.87
3	N	0.3450	29.51	QP	10.02	39.53	59.08	-19.55
4	N	0.3450	22.58	AVG	10.02	32.60	49.08	-16.48
5	N	0.6492	32.83	QP	10.02	42.85	56.00	-13.15
6	N	0.6492	25.77	AVG	10.02	35.79	46.00	-10.21
7	N	0.8442	21.35	QP	10.03	31.38	56.00	-24.62
8	N	0.8442	14.37	AVG	10.03	24.40	46.00	-21.60
9	N	1.2810	18.69	QP	10.03	28.72	56.00	-27.28
10	N	1.2810	7.31	AVG	10.03	17.34	46.00	-28.66
11	N	2.6928	19.08	QP	10.05	29.13	56.00	-26.87
12	N	2.6928	11.97	AVG	10.05	22.02	46.00	-23.98



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Test Mode: Transmitting Mode	Test Mode:	Transmitting	Mode
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Test Data

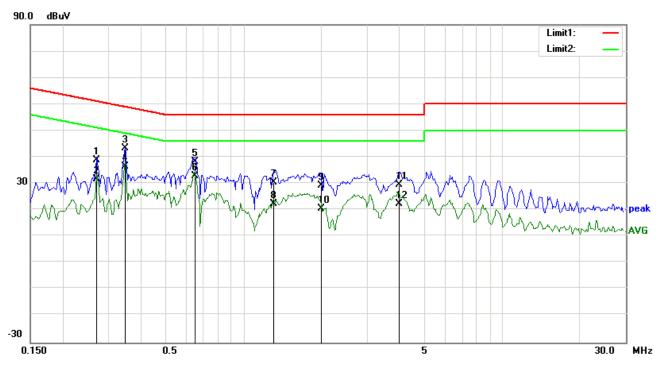
Phase Line Plot at 240Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	L1	0.2709	27.82	QP	10.03	37.85	61.09	-23.24
2	L1	0.2709	20.96	AVG	10.03	30.99	51.09	-20.10
3	L1	0.3489	31.81	QP	10.03	41.84	58.99	-17.15
4	L1	0.3489	25.16	AVG	10.03	35.19	48.99	-13.80
5	L1	0.6414	29.33	QP	10.03	39.36	56.00	-16.64
6	L1	0.6414	21.41	AVG	10.03	31.44	46.00	-14.56
7	L1	1.3278	20.55	QP	10.03	30.58	56.00	-25.42
8	L1	1.3278	9.35	AVG	10.03	19.38	46.00	-26.62
9	L1	3.0351	19.68	QP	10.06	29.74	56.00	-26.26
10	L1	3.0351	8.31	AVG	10.06	18.37	46.00	-27.63
11	L1	6.4047	18.07	QP	10.10	28.17	60.00	-31.83
12	L1	6.4047	4.00	AVG	10.10	14.10	50.00	-35.90



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Test Mode:	Transmitting	Mode



Test Data

Phase Neutral Plot at 240Vac, 60Hz

No.	P/L	Frequency (MHz)	Reading (dBµV)	Detector	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)
1	N	0.2709	28.87	QP	10.02	38.89	61.09	-22.20
2	Ν	0.2709	21.62	AVG	10.02	31.64	51.09	-19.45
3	N	0.3489	33.28	QP	10.02	43.30	58.99	-15.69
4	N	0.3489	26.37	AVG	10.02	36.39	48.99	-12.60
5	N	0.6492	28.11	QP	10.02	38.13	56.00	-17.87
6	N	0.6492	22.86	AVG	10.02	32.88	46.00	-13.12
7	N	1.3083	20.51	QP	10.03	30.54	56.00	-25.46
8	N	1.3083	12.20	AVG	10.03	22.23	46.00	-23.77
9	N	1.9947	19.11	QP	10.04	29.15	56.00	-26.85
10	N	1.9947	10.41	AVG	10.04	20.45	46.00	-25.55
11	N	3.9867	19.47	QP	10.06	29.53	56.00	-26.47
12	N	3.9867	12.16	AVG	10.06	22.22	46.00	-23.78



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6.7 Radiated Emissions

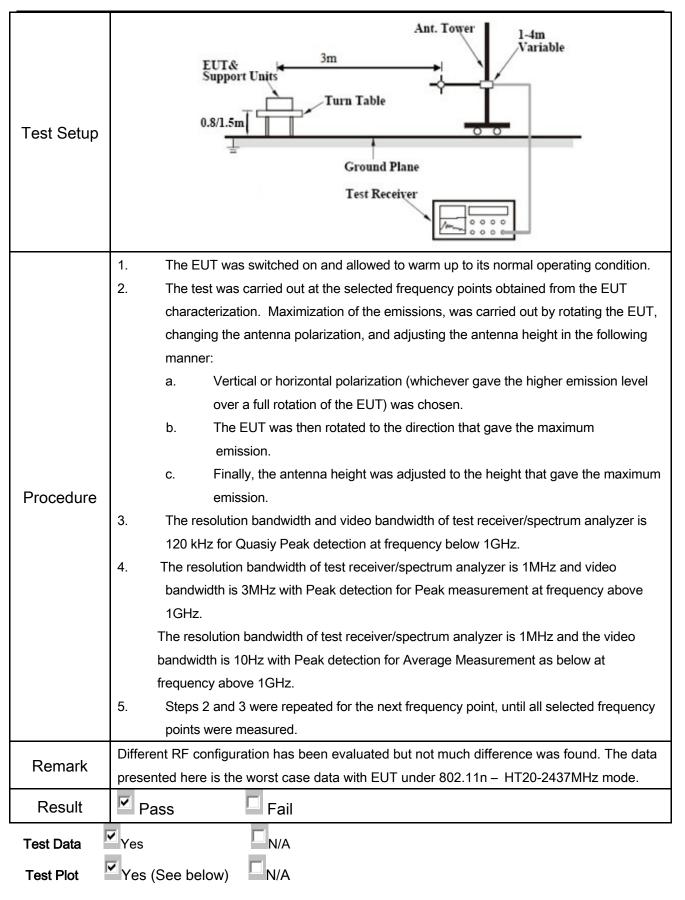
Temperature	25°C
Relative Humidity	53%
Atmospheric Pressure	1020mbar
Test date :	November 20, 2015
Tested By :	Winnie Zhang

Requirement(s):

Spec	Item	Requirement	Applicable	
	a)	emissions from the low-power radio exceed the field strength levels spetthe level of any unwanted emission	88 100 216 150	
47CFR§15.		Above 960	500	
247(d), RSS210 (A8.5)	b)	For non-restricted band, In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB or 30dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, determined by the measurement method on output power to be used. Attenuation below the general limits specified in § 15.209(a) is not required 20 dB down 30 dB down		>
	c)	or restricted band, emission must a emission limits specified in 15.209	<u> </u>	



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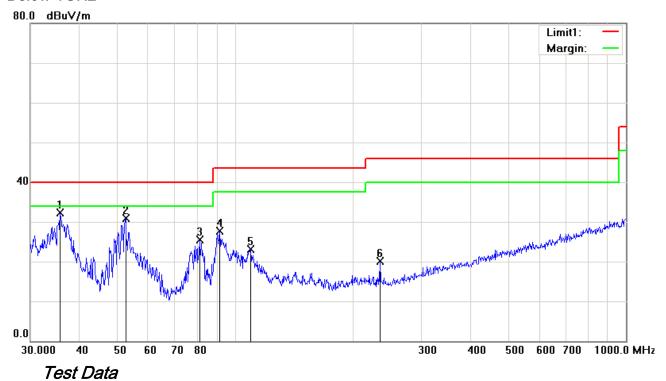




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Test Mode: Transmitting Mode

Below 1GHz



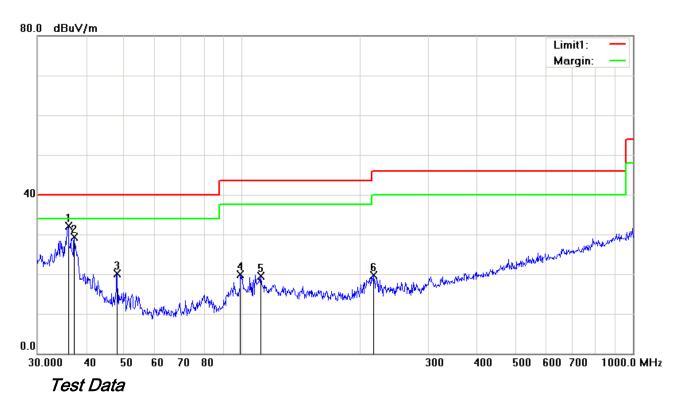
Vertical Polarity Plot @3m

No	P/L	Frequency (MHz)	Reading (dBµV)	Detec tor	Corrected (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Height	Degree
1	V	35.7491	36.80	peak	-4.49	32.31	40.00	-7.69	100	359
2	V	52.5753	44.34	peak	-13.48	30.86	40.00	-9.14	100	274
3	V	81.2117	39.12	peak	-13.71	25.41	40.00	-14.59	100	304
4	V	91.4949	40.79	peak	-13.00	27.79	43.50	-15.71	100	166
5	V	109.7960	32.07	peak	-9.06	23.01	43.50	-20.49	100	245
6	V	234.9909	29.26	peak	-9.06	20.20	46.00	-25.80	100	177



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Below 1GHz



Horizontal Polarity Plot @3m

No	P/L	Frequency (MHz)	Reading (dBµV)	Dete ctor	Correcte d (dB)	Result (dBµV)	Limit (dBµV)	Margin (dB)	Height	Degree
1	Н	36.0007	36.68	peak	-4.67	32.01	40.00	-7.99	100	246
2	Н	37.2855	34.90	peak	-5.61	29.29	40.00	-10.71	100	238
3	Н	47.9940	32.30	peak	-12.28	20.02	40.00	-19.98	100	347
4	Н	99.1797	30.86	peak	-11.02	19.84	43.50	-23.66	100	160
5	Н	111.7380	28.25	peak	-8.72	19.53	43.50	-23.97	100	321
6	Н	216.7828	28.64	peak	-8.89	19.75	46.00	-26.25	100	231



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Test Mode: Transmitting Mode	Test Mode:	Transmitting	Mode
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Low Channel (2402 MHz)

Frequency (MHz)	S.A. Reading (dBµV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
4804	39.15	AV	V	33.83	6.86	31.72	48.12	54	-5.88
4804	38.32	AV	Н	33.83	6.86	31.72	47.29	54	-6.71
4804	46.98	PK	٧	33.83	6.86	31.72	55.95	74	-18.05
4804	46.21	PK	Н	33.83	6.86	31.72	55.18	74	-18.82

Middle Channel (2440 MHz)

Frequency (MHz)	S.A. Reading (dBµV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
4880	39.26	AV	٧	33.86	6.82	31.82	48.12	54	-5.88
4880	38.41	AV	Η	33.86	6.82	31.82	47.27	54	-6.73
4880	46.95	PK	V	33.86	6.82	31.82	55.81	74	-18.19
4880	46.28	PK	Η	33.86	6.82	31.82	55.14	74	-18.86

High Channel (2480 MHz)

Frequency (MHz)	S.A. Reading (dBµV)	Detector (PK/AV)	Polarity (H/V)	Ant. Factor (dB/m)	Cable Loss (dB)	Pre- Amp. Gain (dB)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
4960	39.33	AV	V	33.9	6.76	31.92	48.07	54	-5.93
4960	38.59	AV	Н	33.9	6.76	31.92	47.33	54	-6.67
4960	46.87	PK	٧	33.9	6.76	31.92	55.61	74	-18.39
4960	46.31	PK	Н	33.9	6.76	31.92	55.05	74	-18.95



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Annex A. TEST INSTRUMENT

Instrument	Model	Serial#	Cal Date	Cal Due	In use
AC Line Conducted					
EMI test receiver	ESCS30	8471241027	09/17/2015	09/16/2016	<u><</u>
Line Impedance	LI-125A	191106	09/25/2015	09/24/2016	<u> </u>
Line Impedance	LI-125A	191107	09/25/2015	09/24/2016	~
LISN	ISN T800	34373	09/25/2015	09/24/2016	~
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/24/2015	09/23/2016	<u><</u>
Transient Limiter	LIT-153	531118	09/01/2015	08/31/2016	>
RF conducted test					
Agilent ESA-E SERIES	E4407B	MY45108319	09/17/2015	09/16/2016	~
Power Splitter	1#	1#	09/01/2015	08/31/2016	<u><</u>
DC Power Supply	E3640A	MY40004013	09/17/2015	09/16/2016	<u><</u>
Radiated Emissions					
EMI test receiver	ESL6	100262	09/17/2015	09/16/2016	~
Positioning Controller	UC3000	MF780208282	11/19/2015	11/18/2016	~
OPT 010 AMPLIFIER (0.1-1300MHz)	8447E	2727A02430	09/01/2015	08/31/2016	•
Microwave Preamplifier (1 ~ 26.5GHz)	8449B	3008A02402	03/25/2015	03/24/2016	<u><</u>
Bilog Antenna (30MHz~6GHz)	JB6	A110712	09/21/2015	09/20/2016	<u>\</u>
Double Ridge Horn Antenna (1 ~18GHz)	AH-118	71283	09/24/2015	09/23/2016	V
Universal Radio Communication Tester	CMU200	121393	09/25/2015	09/24/2016	V



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Annex B. EUT And Test Setup Photographs





EUT - Rear View



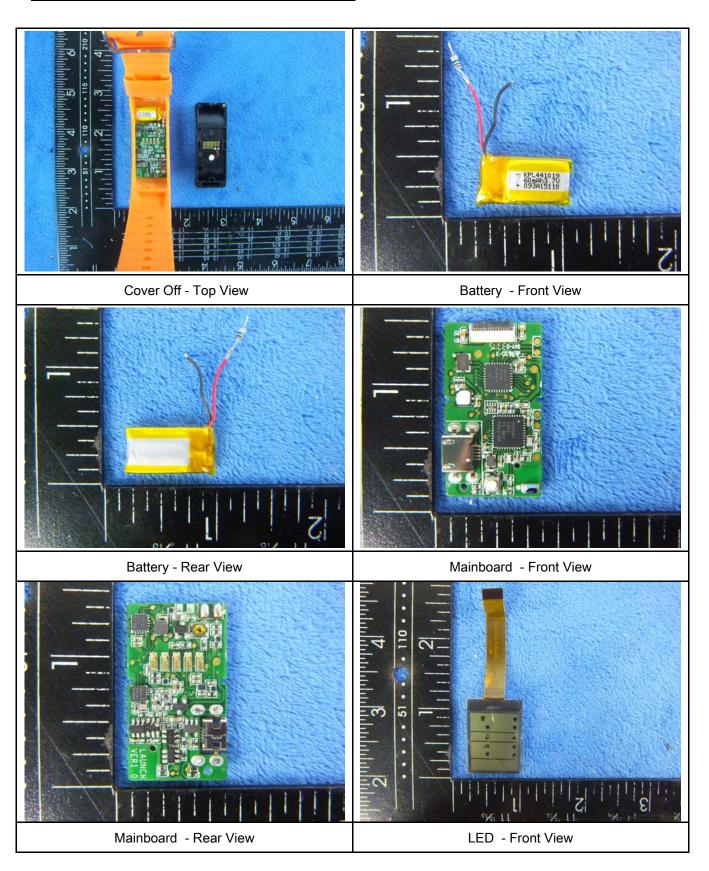
EUT - Left View

EUT - Right View



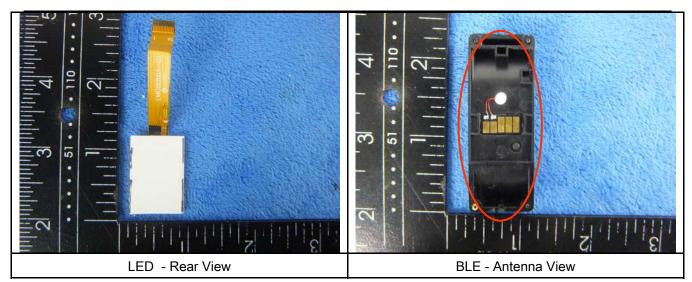
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Annex B.ii. Photograph: EUT Internal Photo





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Annex B.iii. Photograph: Test Setup Photo



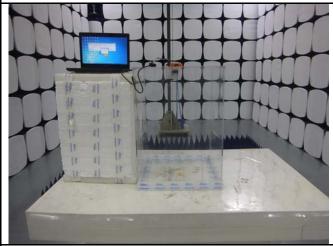
Conducted Emissions Test Setup Front View



Conducted Emissions Test Setup Side View



Radiated Emissions Test Setup Below 1GHz



Radiated Emissions Test Setup Above 1GHz

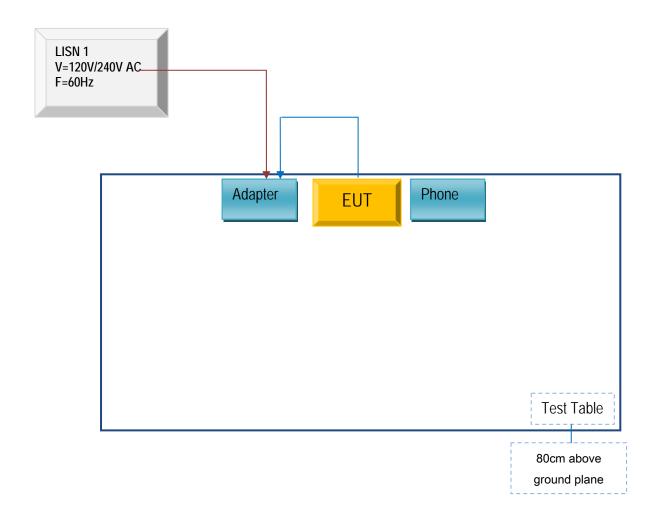


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Annex C. TEST SETUP AND SUPPORTING EQUIPMENT

Annex C.ii. TEST SET UP BLOCK

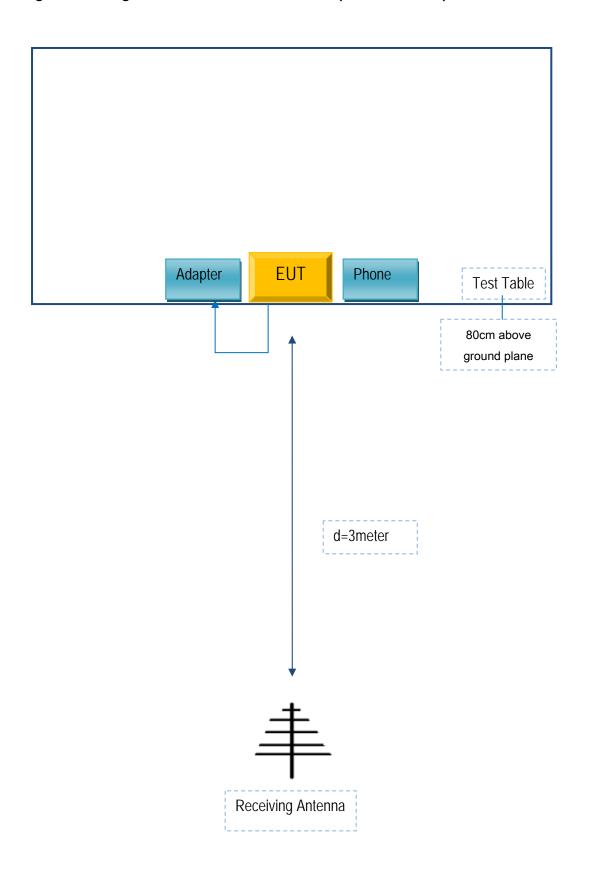
Block Configuration Diagram for AC Line Conducted Emissions





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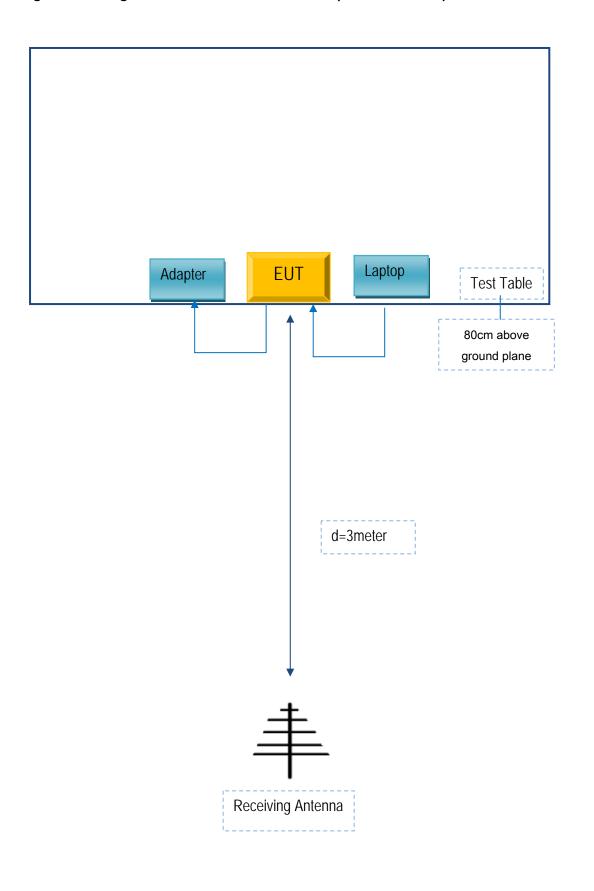
Block Configuration Diagram for Radiated Emissions (Below 1GHz).





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Block Configuration Diagram for Radiated Emissions (Above 1GHz) .





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Annex C. il. SUPPORTING EQUIPMENT DESCRIPTION

The following is a description of supporting equipment and details of cables used with the EUT.

Manufacturer	Equipment Description	Model	Calibration Date	Calibration Due Date
HTC	one	E8	N/A	N/A



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Annex D. User Manual / Block Diagram / Schematics / Partlist

Please see attachment



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Annex E. DECLARATION OF SIMILARITY

N/A