



TEST REPORT

Report No. SST231025001EF03
Applicant: SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Product Name: Tablet PC
Trade Mark: /
Standard(s): FCC CFR Title 47 Part 15 Subpart E Section 15.247
FCC ID: 2ABC5-E0045
Test Report Form No: SST-RD-7.5-02-E01(A/0)
Date of sample receipt: Oct. 25, 2023
Date of Test: Oct. 25~Nov. 8, 2023
Date of report issued: Nov. 13, 2023

*The equipment complies with the requirements according to the standard(s) or Specification above, it is applicable only to the tested sample identified in the report.

Prepared by:

Bo Li

Reviewed by:

Seven Zhan

Approved by:

Tiger



*The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Version	Description	Date of Issue
V1.0	Original	Nov. 13, 2023



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3 Test Summary

Test items	Basics standards	Result
Antenna requirement	FCC part 15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	FCC part 15.207	Pass
Conducted Peak Output Power	FCC part 15.247 (b)(3)	Pass
Channel Bandwidth & 99% OCB	FCC part 15.247 (a)(2)	Pass
Power Spectral Density	FCC part 15.247 (e)	Pass
Band Edge	FCC part 15.247(d)	Pass
Spurious Emission	FCC part 15.205/15.209	Pass

Notes:

1: NA =Not Applicable

2: Determining compliance based on the results of the compliance measurement, not taking into account measurement uncertainty. If necessary, the applicant shall inform test lab in advance

3: Additions, Deviations and Exclusions from Standards: None.

4 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:

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

Item	Uncertainty (\pm) (k=2, 95%)	
Output Power, Conducted	0.54	
Power Spectral Density, Conducted	1.28	
Spurious Emissions, Conducted	1.28	
Radiated Emissions(<1GHz)	9kHz~30MHz	2.6
	30MHz~1GHz	5.08
Radiated Emissions(>1GHz)	1GHz~6GHz	4.02
	6GHz~18GHz	4.62
	18GHz~40GHz	4.7
Occupied Bandwidth	1.14	
Conducted Emissions—AC mains	9kHz~150KHz	1.76
	150kHz~30MHz	2.52
Conducted Emissions—Telecom	2.64	

5 General Information

5.1 Client Information

Applicant:	SHENZHEN ELECTRON TECHNOLOGY CO.,LTD.
Address of applicant:	Bld.2, Yingfeng Industrial Zone, Tantou Community, Songgang Street, Bao'an, Shenzhen, China.
Manufacturer:	Same as applicant
Address of Manufacturer:	Same as applicant
Factory:	Same as applicant
Address of Factory:	Same as applicant

5.2 General Description of EUT

Product Name:	Tablet PC
Model No.:	EM101A
Test sample(s) ID:	SST231025001-2
Sample(s) Status:	Continuously transmitter
S/N:	/
Hardware version:	/
Software version:	/
Operation Frequency:	2412MHz~2462MHz
Technic and Modulation:	802.11b: DSSS 802.11g/802.11n: OFDM
Supported bandwidth:	20MHz, 40MHz
Antenna gain:	Refer to section 5.7 for details
Power supply:	AC/DC adapter Model No.: JHD-AP013U-0502000BB-B INPUT: AC 100-240V, 50/60Hz, 0.35A OUTPUT: DC 5V, 2000mA Or DC 3.8V 5000mAh Li-ion polymer battery

5.3 Test mode(s)

Mode 1:	continuously transmitting, with its lowest data rate which emit the max power level
Mode 2:	
Mode 3:	

Channel list for 802.11							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz	X	

5.4 Test Facility

The test facility is recognized, certified, or accredited by these organizations:	FCC Accredited Lab Test Firm Registration Number: 638130 Designation Number: CN1359
	IC Registration Lab CAB Identifier No. CN0154
	A2LA Accreditation Lab Certificate No.:7057.01

Test Performed at:	Name GuangDong Set Sail Testing Co., Ltd.
	Address 101, No.19, Tianxin Hudie 1st Road, Huangjiang Town, Dongguan, Guangdong, China

5.5 Description of Support Units

Device Type	Brand	Model	Series No.	Note
Notebook PC	HP	ZHAN 66P	---	---

5.6 Additional Instructions

Test Software	Special test command used
Power level setup	Default

5.7 Antenna Information

Ant	Manufacturer	Model	Antenna Type	Antenna Gain (dBi)
1	Shen Zhen Xing Yuan Chuang Technology Co., Ltd	/	PIFA	1.93

All above information provided by the applicant which is fully responsible for those information.

5.8 Others

<p>The laboratory responsible for all the information provided in the report, except those information provided by the applicant. The applicant shall fully responsible for the information they provided. The report would be invalid without a stamp of test laboratory and the signatures of compiler and approver. The laboratory has not been responsible for the sampling stage; the test report merely corresponds to the test sample received. Any objection to the test report shall submitted to the test laboratory within 15 days from the date of receipt of the report. It is not permitted to copy extracts of these test result without the written permission of the test laboratory.</p>

6 Technical Requirement and Measurement Data

6.1 Generally requirement

15.203 requirement:

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 use of a standard antenna jack or electrical connector is prohibited.

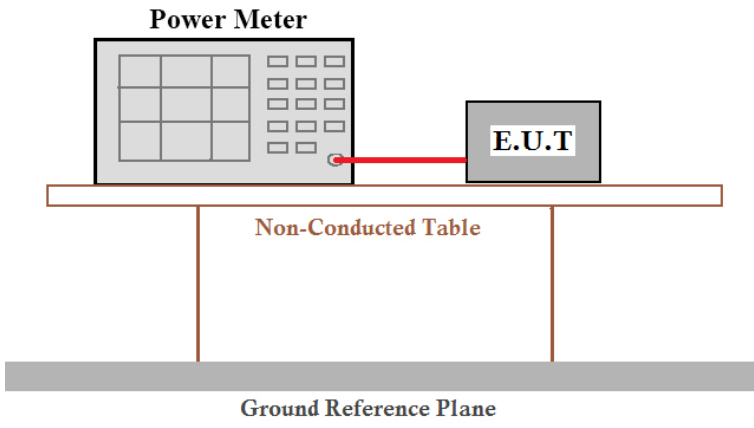
15.247(c) (1)(i) requirement:

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 use of a standard antenna jack or electrical connector is prohibited.

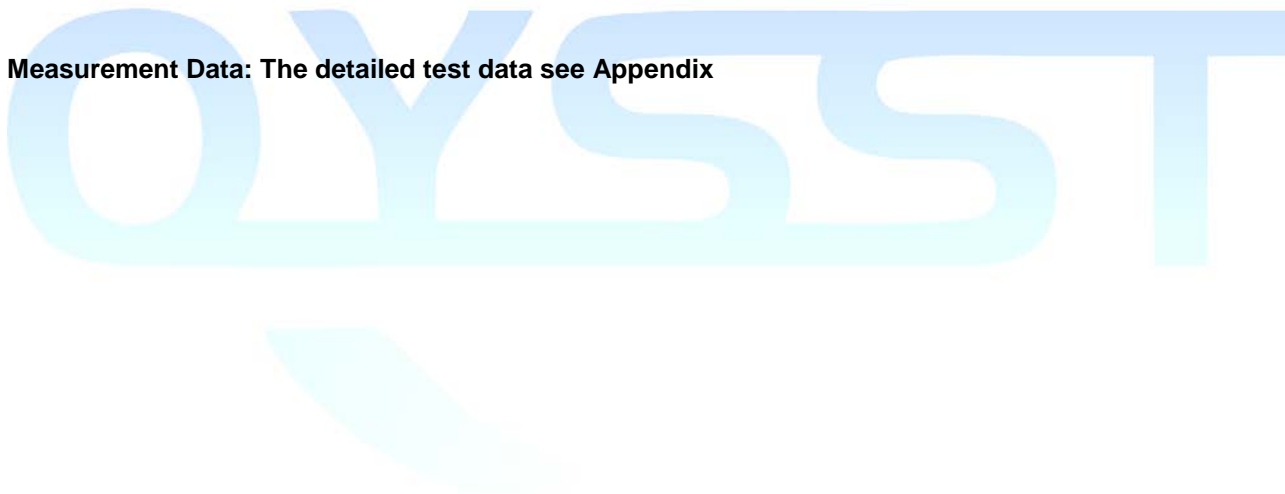
EUT Antenna:

Reference to the appendix II for details

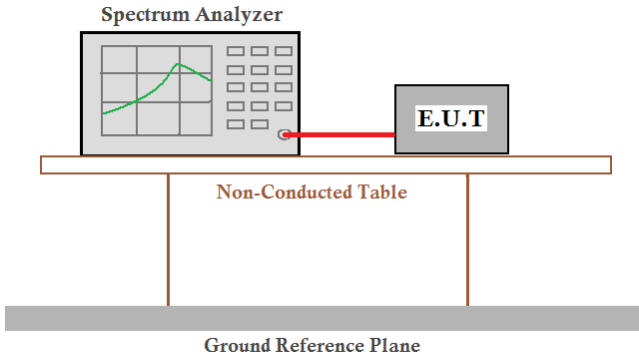
6.2 Conducted Peak Output Power

Limit
1W(30dBm)
Block diagram of Test Setup
 <p>The diagram illustrates the test setup. A Power Meter is connected to an E.U.T. (Equipment Under Test) via a red cable. Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p>
Test Instrument
Refer to Annex A for details
Test Procedures
Test applies to KDB558074 D01 15.247 Meas Guidance v05r02
Verdict
Pass

Measurement Data: The detailed test data see Appendix

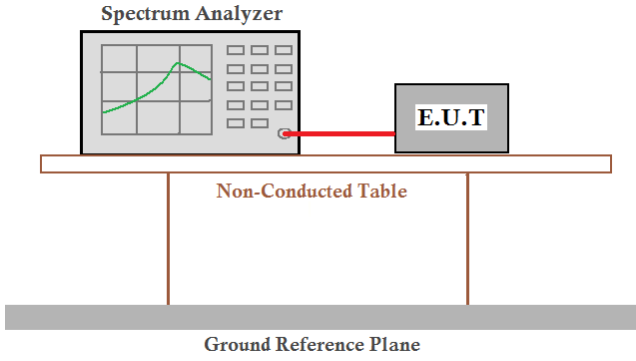


6.3 Channel Bandwidth

Limit
>500KHz
Block diagram of Test Setup
 <p>The diagram illustrates the test setup. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p>
Test Instrument
Refer to Annex A for details
Test Procedures
Test applies to KDB558074 D01 15.247 Meas Guidance v05r02
Verdict
Pass

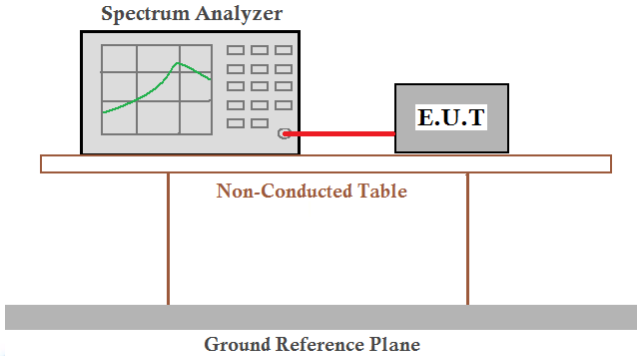
Measurement Data: The detailed test data see Appendix

6.4 Power Spectral Density

Limit
8dBm/3kHz
Block diagram of Test Setup
 <p>The diagram shows a Spectrum Analyzer and an E.U.T. (Equipment Under Test) connected by a red cable. They are positioned on a Non-Conducted Table, which is supported by a Ground Reference Plane.</p>
Test Instrument
Refer to Annex A for details
Test Procedures
Test applies to KDB558074 D01 15.247 Meas Guidance v05r02
Verdict
Pass

Measurement Data: The detailed test data see Appendix

6.5 Conducted Emission

Limit
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum 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.
Block diagram of Test Setup
 <p>The diagram illustrates the test setup for conducted emission. A Spectrum Analyzer is connected via a red cable to an E.U.T. (Equipment Under Test). Both are placed on a Non-Conducted Table. Below the table is a Ground Reference Plane.</p>
Test Instrument
Refer to Annex A for details
Test Procedures
Test applies to KDB558074 D01 15.247 Meas Guidance v05r02
Verdict
Pass

Measurement Data: The detailed test data see Appendix

6.6 Radiated Spurious Emission

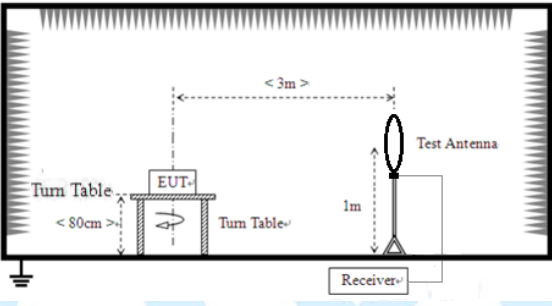
Limit		
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009–0.490	2400/F(kHz)	300
0.490–1.705	24000/F(kHz)	30
1.705–30.0	30	30
30–88	100 **	3
88–216	150 **	3
216–960	200 **	3
Above 960	500	3

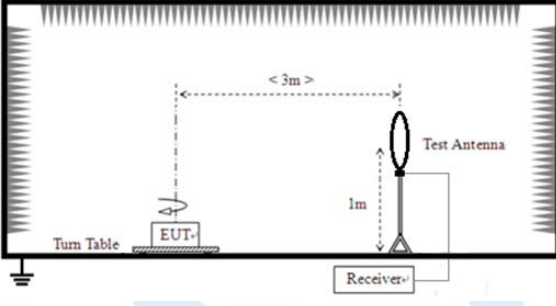
** Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., §§ 15.231 and 15.241.

Block diagram of Test Setup

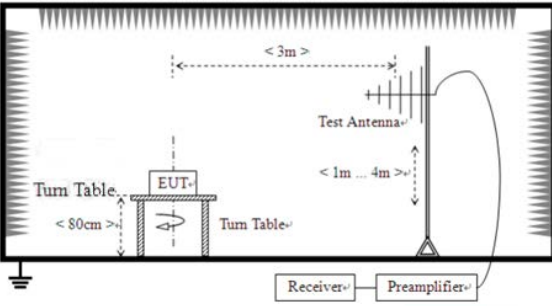
For table-top equipment
 For floor standing equipment

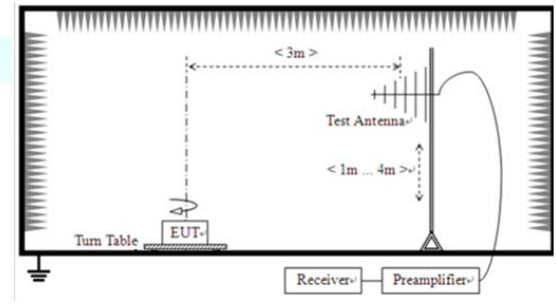
For radiated emissions from 9kHz to 30MHz



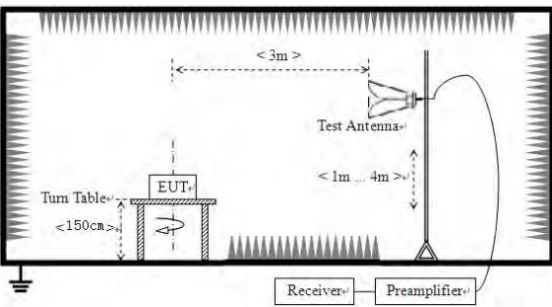


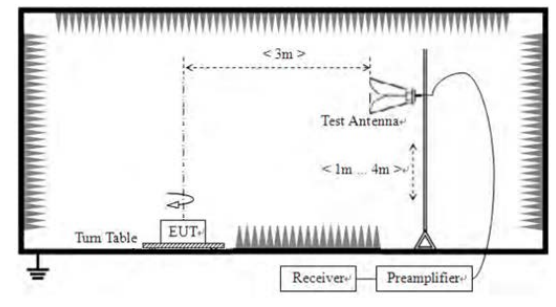
For radiated emissions from 30MHz to 1GHz





For radiated emissions above 1GHz





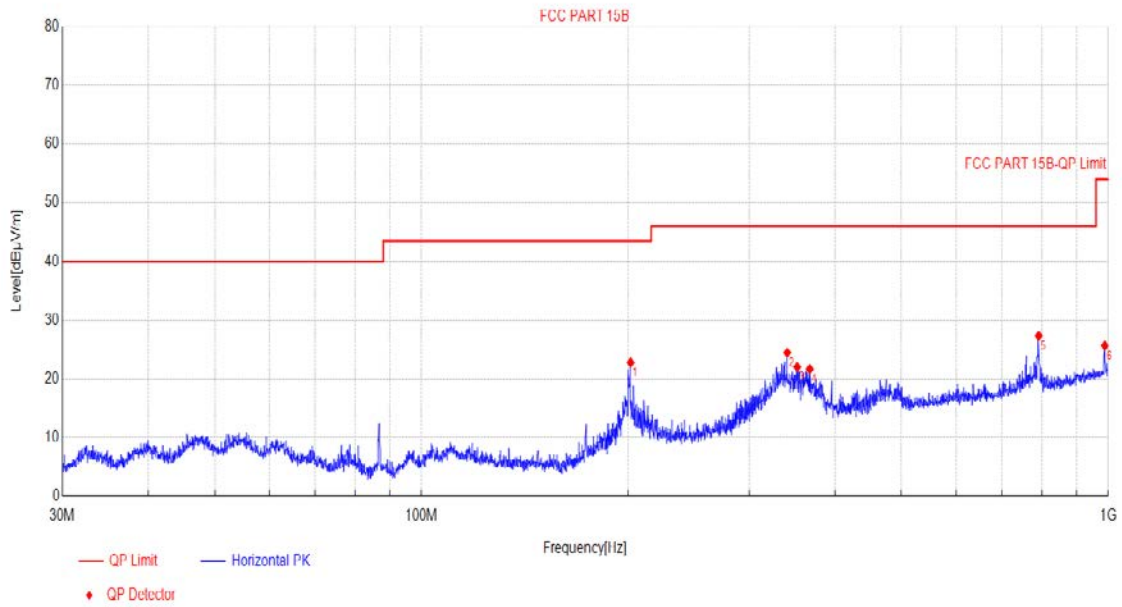
Test Instrument

Refer to Annex A for details
Test Procedures
Test applies to KDB558074 D01 15.247 Meas Guidance v05r02 & C63.10
Verdict
Pass

Note: The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o), the test result no need to reported.



Test Result(30M~1GHz)			
Test mode	Mode 1	Polarity	Horizontal
Test voltage	AC 120V/60Hz	Temp. /Hum.	25 °C/60%

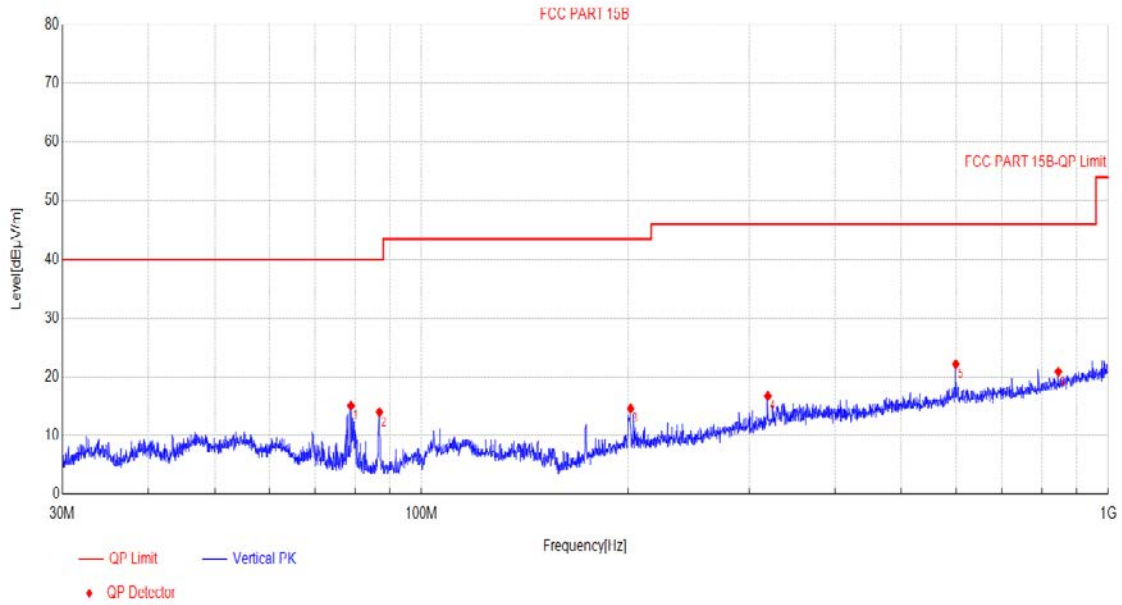


Final Data List

NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	201.6504	-17.32	22.79	43.50	20.71	200	128	Horizontal	PASS
2	340.8734	-13.37	24.48	46.00	21.52	100	173	Horizontal	PASS
3	352.417	-13.04	22.04	46.00	23.96	100	342	Horizontal	PASS
4	367.5588	-12.64	21.68	46.00	24.32	100	179	Horizontal	PASS
5	792.0523	-6.66	27.37	46.00	18.63	100	127	Horizontal	PASS
6	988.6712	-3.79	25.68	54.00	28.32	100	220	Horizontal	PASS

Note: Final Level = Receiver Read level + Factor
 Factor = Antenna Factor + Cable Loss - Preamplifier Factor
 Only the worst case report (802.11b 2462MHz)

Test Result(30M~1GHz)			
Test mode	Mode 1	Polarity	Vertical
Test voltage	AC 120V/60Hz	Temp. /Hum.	25 °C/60%



Final Data List									
NO.	Freq. [MHz]	Factor [dB]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity	Verdict
1	78.9461	-20.59	15.10	40.00	24.90	100	53	Vertical	PASS
2	86.8598	-20.92	14.01	40.00	25.99	100	343	Vertical	PASS
3	201.6504	-17.32	14.61	43.50	28.89	100	198	Vertical	PASS
4	319.4676	-13.98	16.76	46.00	29.24	100	262	Vertical	PASS
5	599.9235	-8.33	22.19	46.00	23.81	100	239	Vertical	PASS
6	845.8643	-5.72	20.89	46.00	25.11	100	279	Vertical	PASS

Note: Final Level = Receiver Read level + Factor
 Factor = Antenna Factor + Cable Loss - Preamplifier Factor
 Only the worst case repor (802.11b 2462MHz)t

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11b, lowest			
Peak value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4824	46.14	33.63	7.78	53.71	33.84	74	-40.16	Vertical
7236	48.09	36.57	9.66	53.27	41.05	74	-32.95	Vertical
9648	49.42	39.12	11.41	53.24	46.71	74	-27.29	Vertical
4824	46.87	33.63	7.78	53.71	34.57	74	-39.43	Horizontal
7236	53.68	36.57	9.66	53.27	46.64	74	-27.36	Horizontal
9648	50.16	39.12	11.41	53.24	47.45	74	-26.55	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4824	40.75	33.63	7.78	53.71	28.45	54	-25.55	Vertical
7236	39.04	36.57	9.66	53.27	32	54	-22	Vertical
9648	39.97	39.12	11.41	53.24	37.26	54	-16.74	Vertical
4824	41.89	33.63	7.78	53.71	29.59	54	-24.41	Horizontal
7236	42.44	36.57	9.66	53.27	35.4	54	-18.6	Horizontal
9648	38.42	39.12	11.41	53.24	35.71	54	-18.29	Horizontal
Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11b, Middle			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874	46.89	33.55	7.76	53.71	34.49	74	-39.51	Vertical
7311	53.5	36.56	9.63	53.26	46.43	74	-27.57	Vertical
9748	46.79	39.1	11.38	53.25	44.02	74	-29.98	Vertical
4874	53.04	33.55	7.76	53.71	40.64	74	-33.36	Horizontal
7311	47.88	36.56	9.63	53.26	40.81	74	-33.19	Horizontal
9748	48.93	39.1	11.38	53.25	46.16	74	-27.84	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874	38.23	33.55	7.76	53.71	25.83	54	-28.17	Vertical
7311	41.7	36.56	9.63	53.26	34.63	54	-19.37	Vertical
9748	42.9	39.1	11.38	53.25	40.13	54	-13.87	Vertical
4874	42.83	33.55	7.76	53.71	30.43	54	-23.57	Horizontal
7311	37.46	36.56	9.63	53.26	30.39	54	-23.61	Horizontal
9748	37.04	39.1	11.38	53.25	34.27	54	-19.73	Horizontal
<p>Note: Final Level =Receiver Read level + Factor Factor= Antenna Factor + Cable Loss – Preamplifier Factor</p>								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11b, Highest			
Peak value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4924	47.53	33.69	7.8	53.71	35.31	74	-38.69	Vertical
7386	53.16	36.58	9.68	53.28	46.14	74	-27.86	Vertical
9848	46.28	39.14	11.44	53.23	43.63	74	-30.37	Vertical
4924	51.34	33.69	7.8	53.71	39.12	74	-34.88	Horizontal
7386	46.99	36.58	9.68	53.28	39.97	74	-34.03	Horizontal
9848	46.25	39.14	11.44	53.23	43.6	74	-30.4	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4924	39.57	33.69	7.8	53.71	27.35	54	-26.65	Vertical
7386	42.05	36.58	9.68	53.28	35.03	54	-18.97	Vertical
9848	38.69	39.14	11.44	53.23	36.04	54	-17.96	Vertical
4924	38.62	33.69	7.8	53.71	26.4	54	-27.6	Horizontal
7386	37.34	36.58	9.68	53.28	30.32	54	-23.68	Horizontal
9848	39.07	39.14	11.44	53.23	36.42	54	-17.58	Horizontal
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor</p>								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11g, lowest			
Peak value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4824	47.18	33.41	7.72	53.72	34.59	74	-39.41	Vertical
7236	50.12	36.55	9.58	53.25	43	74	-31	Vertical
9648	46.77	39.06	11.32	53.27	43.88	74	-30.12	Vertical
4824	49.04	33.41	7.72	53.72	36.45	74	-37.55	Horizontal
7236	53.36	36.55	9.58	53.25	46.24	74	-27.76	Horizontal
9648	50.56	39.06	11.32	53.27	47.67	74	-26.33	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4824	40.31	33.41	7.72	53.72	27.72	54	-26.28	Vertical
7236	42.33	36.55	9.58	53.25	35.21	54	-18.79	Vertical
9648	40.73	39.06	11.32	53.27	37.84	54	-16.16	Vertical
4824	42.9	33.41	7.72	53.72	30.31	54	-23.69	Horizontal
7236	38.86	36.55	9.58	53.25	31.74	54	-22.26	Horizontal
9648	38.9	39.06	11.32	53.27	36.01	54	-17.99	Horizontal
Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11b, Middle			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874	50.14	33.55	7.76	53.71	37.74	74	-36.26	Vertical
7311	48.11	36.56	9.63	53.26	41.04	74	-32.96	Vertical
9748	52.53	39.1	11.38	53.25	49.76	74	-24.24	Vertical
4874	46.33	33.55	7.76	53.71	33.93	74	-40.07	Horizontal
7311	50.65	36.56	9.63	53.26	43.58	74	-30.42	Horizontal
9748	49.39	39.1	11.38	53.25	46.62	74	-27.38	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874	38.27	33.55	7.76	53.71	25.87	54	-28.13	Vertical
7311	42.27	36.56	9.63	53.26	35.2	54	-18.8	Vertical
9748	38.68	39.1	11.38	53.25	35.91	54	-18.09	Vertical
4874	40	33.55	7.76	53.71	27.6	54	-26.4	Horizontal
7311	42.58	36.56	9.63	53.26	35.51	54	-18.49	Horizontal
9748	42.57	39.1	11.38	53.25	39.8	54	-14.2	Horizontal
Note: Final Level =Receiver Read level + Factor Factor= Antenna Factor + Cable Loss – Preamplifier Factor								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11g, Highest			
Peak value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4924	49.08	33.69	7.8	53.71	36.86	74	-37.14	Vertical
7386	47.12	36.58	9.68	53.28	40.1	74	-33.9	Vertical
9848	46.54	39.14	11.44	53.23	43.89	74	-30.11	Vertical
4924	46.33	33.69	7.8	53.71	34.11	74	-39.89	Horizontal
7386	50.68	36.58	9.68	53.28	43.66	74	-30.34	Horizontal
9848	51.81	39.14	11.44	53.23	49.16	74	-24.84	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4924	37.51	33.69	7.8	53.71	25.29	54	-28.71	Vertical
7386	42.44	36.58	9.68	53.28	35.42	54	-18.58	Vertical
9848	42.04	39.14	11.44	53.23	39.39	54	-14.61	Vertical
4924	38.83	33.69	7.8	53.71	26.61	54	-27.39	Horizontal
7386	42.93	36.58	9.68	53.28	35.91	54	-18.09	Horizontal
9848	38.08	39.14	11.44	53.23	35.43	54	-18.57	Horizontal
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor</p>								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11n20, lowest			
Peak value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4824	50.42	33.41	7.72	53.72	37.83	74	-36.17	Vertical
7236	50.02	36.55	9.58	53.25	42.9	74	-31.1	Vertical
9648	53.19	39.06	11.32	53.27	50.3	74	-23.7	Vertical
4824	53.95	33.41	7.72	53.72	41.36	74	-32.64	Horizontal
7236	50.28	36.55	9.58	53.25	43.16	74	-30.84	Horizontal
9648	52.11	39.06	11.32	53.27	49.22	74	-24.78	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4824	42.44	33.41	7.72	53.72	29.85	54	-24.15	Vertical
7236	37.16	36.55	9.58	53.25	30.04	54	-23.96	Vertical
9648	37.67	39.06	11.32	53.27	34.78	54	-19.22	Vertical
4824	42.07	33.41	7.72	53.72	29.48	54	-24.52	Horizontal
7236	40.11	36.55	9.58	53.25	32.99	54	-21.01	Horizontal
9648	37.86	39.06	11.32	53.27	34.97	54	-19.03	Horizontal
Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11n20, Middle			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874	48.49	33.55	7.76	53.71	36.09	74	-37.91	Vertical
7311	52.32	36.56	9.63	53.26	45.25	74	-28.75	Vertical
9748	53.66	39.1	11.38	53.25	50.89	74	-23.11	Vertical
4874	51.93	33.55	7.76	53.71	39.53	74	-34.47	Horizontal
7311	51.11	36.56	9.63	53.26	44.04	74	-29.96	Horizontal
9748	50.41	39.1	11.38	53.25	47.64	74	-26.36	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874	37.43	33.55	7.76	53.71	25.03	54	-28.97	Vertical
7311	42.69	36.56	9.63	53.26	35.62	54	-18.38	Vertical
9748	38.77	39.1	11.38	53.25	36	54	-18	Vertical
4874	42.32	33.55	7.76	53.71	29.92	54	-24.08	Horizontal
7311	41.98	36.56	9.63	53.26	34.91	54	-19.09	Horizontal
9748	39.75	39.1	11.38	53.25	36.98	54	-17.02	Horizontal
Note: Final Level =Receiver Read level + Factor Factor= Antenna Factor + Cable Loss – Preamplifier Factor								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11n20, Highest			
Peak value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4924	50.12	33.69	7.8	53.71	37.9	74	-36.1	Vertical
7386	47.55	36.58	9.68	53.28	40.53	74	-33.47	Vertical
9848	49.22	39.14	11.44	53.23	46.57	74	-27.43	Vertical
4924	47.32	33.69	7.8	53.71	35.1	74	-38.9	Horizontal
7386	50.37	36.58	9.68	53.28	43.35	74	-30.65	Horizontal
9848	46.14	39.14	11.44	53.23	43.49	74	-30.51	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4924	38.95	33.69	7.8	53.71	26.73	54	-27.27	Vertical
7386	42.67	36.58	9.68	53.28	35.65	54	-18.35	Vertical
9848	37.87	39.14	11.44	53.23	35.22	54	-18.78	Vertical
4924	38.9	33.69	7.8	53.71	26.68	54	-27.32	Horizontal
7386	40.82	36.58	9.68	53.28	33.8	54	-20.2	Horizontal
9848	39.39	39.14	11.44	53.23	36.74	54	-17.26	Horizontal
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor</p>								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11n40, lowest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844	48.83	33.46	7.74	53.72	36.31	74	-37.69	Vertical
7266	53.72	36.55	9.6	53.25	46.62	74	-27.38	Vertical
9688	52.01	39.08	11.34	53.26	49.17	74	-24.83	Vertical
4844	46.63	33.46	7.74	53.72	34.11	74	-39.89	Horizontal
7266	52.74	36.55	9.6	53.25	45.64	74	-28.36	Horizontal
9688	47.17	39.08	11.34	53.26	44.33	74	-29.67	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4844	41.19	33.46	7.74	53.72	28.67	54	-25.33	Vertical
7266	38.93	36.55	9.6	53.25	31.83	54	-22.17	Vertical
9688	38.46	39.08	11.34	53.26	35.62	54	-18.38	Vertical
4844	38.75	33.46	7.74	53.72	26.23	54	-27.77	Horizontal
7266	37.46	36.55	9.6	53.25	30.36	54	-23.64	Horizontal
9688	38.12	39.08	11.34	53.26	35.28	54	-18.72	Horizontal
Note: Final Level =Receiver Read level + Factor Factor= Antenna Factor + Cable Loss – Preamplifier Factor								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11n40, Middle			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874	49.46	33.55	7.76	53.71	37.06	74	-36.94	Vertical
7311	52.5	36.56	9.63	53.26	45.43	74	-28.57	Vertical
9748	53.35	39.1	11.38	53.25	50.58	74	-23.42	Vertical
4874	51.3	33.55	7.76	53.71	38.9	74	-35.1	Horizontal
7311	50.5	36.56	9.63	53.26	43.43	74	-30.57	Horizontal
9748	53.16	39.1	11.38	53.25	50.39	74	-23.61	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
4874	41.2	33.55	7.76	53.71	28.8	54	-25.2	Vertical
7311	42.79	36.56	9.63	53.26	35.72	54	-18.28	Vertical
9748	40.74	39.1	11.38	53.25	37.97	54	-16.03	Vertical
4874	42.74	33.55	7.76	53.71	30.34	54	-23.66	Horizontal
7311	39.19	36.56	9.63	53.26	32.12	54	-21.88	Horizontal
9748	41.52	39.1	11.38	53.25	38.75	54	-15.25	Horizontal
<p>Note: Final Level =Receiver Read level + Factor Factor= Antenna Factor + Cable Loss – Preamplifier Factor</p>								

Test Result(Emissions in Non-restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11n40, Highest			
Peak value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4904	52.62	33.63	7.78	53.71	40.32	74	-33.68	Vertical
7356	48.45	36.57	9.66	53.27	41.41	74	-32.59	Vertical
9808	46.59	39.12	11.41	53.24	43.88	74	-30.12	Vertical
4904	51.99	33.63	7.78	53.71	39.69	74	-34.31	Horizontal
7356	51.49	36.57	9.66	53.27	44.45	74	-29.55	Horizontal
9808	47.6	39.12	11.41	53.24	44.89	74	-29.11	Horizontal
Average value:								
Frequency (MHz)	Read Level (dBUV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBUV/m)	Limit Line (dBUV/m)	Over Limit (dB)	polarization
4904	37.64	33.63	7.78	53.71	25.34	54	-28.66	Vertical
7356	39.23	36.57	9.66	53.27	32.19	54	-21.81	Vertical
9808	42	39.12	11.41	53.24	39.29	54	-14.71	Vertical
4904	39.31	33.63	7.78	53.71	27.01	54	-26.99	Horizontal
7356	40.25	36.57	9.66	53.27	33.21	54	-20.79	Horizontal
9808	37.17	39.12	11.41	53.24	34.46	54	-19.54	Horizontal
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor</p>								

Test Result(Emissions in Restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11b, lowest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310	48.37	27.71	5.3	53.84	27.54	74	-46.46	Horizontal
2390	50.35	27.91	5.4	53.82	29.84	74	-44.16	Horizontal
2310	48.66	27.71	5.3	53.84	27.83	74	-46.17	Vertical
2390	47.18	27.91	5.4	53.82	26.67	74	-47.33	Vertical
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310	38.46	27.71	5.3	53.84	17.63	54	-36.37	Horizontal
2390	39.98	27.91	5.4	53.82	19.47	54	-34.53	Horizontal
2310	40.71	27.71	5.3	53.84	19.88	54	-34.12	Vertical
2390	39.98	27.91	5.4	53.82	19.47	54	-34.53	Vertical
<p>Note: Final Level =Receiver Read level + Factor Factor= Antenna Factor + Cable Loss – Pre-amplifier Factor The emission levels of other frequencies are very lower than the limit and not show in test report.</p>								

Test Result(Emissions in Restricted band)								
Test mode	Mode 1		Temp. /Hum.		25 °C/60%			
Test voltage	AC 120V/60Hz		Test channel		802.11b, Highest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.5	48.83	28.16	5.51	53.8	28.7	74	-45.3	Horizontal
2500	47.27	22.8	5.53	53.8	21.8	74	-52.2	Horizontal
2483.5	48.42	28.16	5.51	53.8	28.29	74	-45.71	Vertical
2500	47.64	22.8	5.53	53.8	22.17	74	-51.83	Vertical
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.5	40.97	28.16	5.51	53.8	20.84	54	-33.16	Horizontal
2500	40.86	22.8	5.53	53.8	15.39	54	-38.61	Horizontal
2483.5	38.86	28.16	5.51	53.8	18.73	54	-35.27	Vertical
2500	40.83	22.8	5.53	53.8	15.36	54	-38.64	Vertical
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor The emission levels of other frequencies are very lower than the limit and not show in test report.</p>								

Test Result(Emissions in Restricted band)								
Test mode	Mode 1		Temp. /Hum.		25 °C/60%			
Test voltage	AC 120V/60Hz		Test channel		802.11g, lowest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310	48.59	27.71	5.3	53.84	27.76	74	-46.24	Horizontal
2390	50.04	27.91	5.4	53.82	29.53	74	-44.47	Horizontal
2310	49.45	27.71	5.3	53.84	28.62	74	-45.38	Vertical
2390	47.02	27.91	5.4	53.82	26.51	74	-47.49	Vertical
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310	37.97	27.71	5.3	53.84	17.14	54	-36.86	Horizontal
2390	39.51	27.91	5.4	53.82	19	54	-35	Horizontal
2310	40.49	27.71	5.3	53.84	19.66	54	-34.34	Vertical
2390	40.91	27.91	5.4	53.82	20.4	54	-33.6	Vertical
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Preamplifier Factor The emission levels of other frequencies are very lower than the limit and not show in test report.</p>								

Test Result(Emissions in Restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11g, Highest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.5	49.58	28.16	5.51	53.8	29.45	74	-44.55	Horizontal
2500	50.16	22.8	5.53	53.8	24.69	74	-49.31	Horizontal
2483.5	50.27	28.16	5.51	53.8	30.14	74	-43.86	Vertical
2500	49.21	22.8	5.53	53.8	23.74	74	-50.26	Vertical
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.5	40.07	28.16	5.51	53.8	19.94	54	-34.06	Horizontal
2500	38.05	22.8	5.53	53.8	12.58	54	-41.42	Horizontal
2483.5	38.61	28.16	5.51	53.8	18.48	54	-35.52	Vertical
2500	37.52	22.8	5.53	53.8	12.05	54	-41.95	Vertical
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor The emission levels of other frequencies are very lower than the limit and not show in test report.</p>								

Test Result(Emissions in Restricted band)								
Test mode	Mode 1		Temp. /Hum.		25 °C/60%			
Test voltage	AC 120V/60Hz		Test channel		802.11n20, lowest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310	47.59	27.71	5.3	53.84	26.76	74	-47.24	Horizontal
2390	49.15	27.91	5.4	53.82	28.64	74	-45.36	Horizontal
2310	48.56	27.71	5.3	53.84	27.73	74	-46.27	Vertical
2390	49.03	27.91	5.4	53.82	28.52	74	-45.48	Vertical
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310	38.57	27.71	5.3	53.84	17.74	54	-36.26	Horizontal
2390	40.32	27.91	5.4	53.82	19.81	54	-34.19	Horizontal
2310	39.39	27.71	5.3	53.84	18.56	54	-35.44	Vertical
2390	38.75	27.91	5.4	53.82	18.24	54	-35.76	Vertical
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Preamplifier Factor The emission levels of other frequencies are very lower than the limit and not show in test report.</p>								

Test Result(Emissions in Restricted band)								
Test mode	Mode 1		Temp. /Hum.		25 °C/60%			
Test voltage	AC 120V/60Hz		Test channel		802.11n20, Highest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.5	47.62	28.16	5.51	53.8	27.49	74	-46.51	Horizontal
2500	50.38	22.8	5.53	53.8	24.91	74	-49.09	Horizontal
2483.5	48.62	28.16	5.51	53.8	28.49	74	-45.51	Vertical
2500	48.91	22.8	5.53	53.8	23.44	74	-50.56	Vertical
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.5	39.81	28.16	5.51	53.8	19.68	54	-34.32	Horizontal
2500	39.49	22.8	5.53	53.8	14.02	54	-39.98	Horizontal
2483.5	38.83	28.16	5.51	53.8	18.7	54	-35.3	Vertical
2500	39.58	22.8	5.53	53.8	14.11	54	-39.89	Vertical
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor The emission levels of other frequencies are very lower than the limit and not show in test report.</p>								

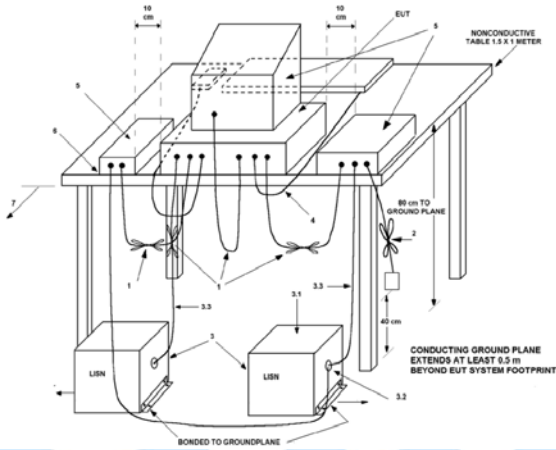
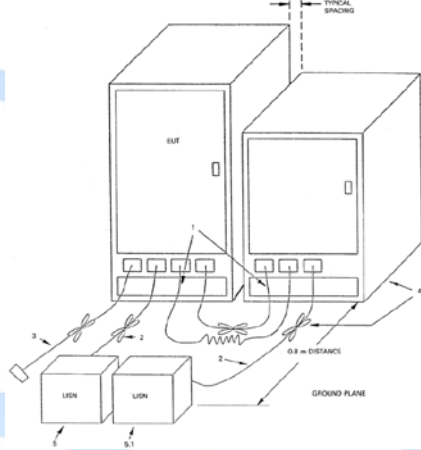
Test Result(Emissions in Restricted band)								
Test mode	Mode 1			Temp. /Hum.	25 °C/60%			
Test voltage	AC 120V/60Hz			Test channel	802.11n40, lowest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310	48.42	27.71	5.3	53.84	27.59	74	-46.41	Horizontal
2390	47.94	27.91	5.4	53.82	27.43	74	-46.57	Horizontal
2310	48.25	27.71	5.3	53.84	27.42	74	-46.58	Vertical
2390	49.84	27.91	5.4	53.82	29.33	74	-44.67	Vertical
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2310	39.17	27.71	5.3	53.84	18.34	54	-35.66	Horizontal
2390	40.26	27.91	5.4	53.82	19.75	54	-34.25	Horizontal
2310	39.62	27.71	5.3	53.84	18.79	54	-35.21	Vertical
2390	37.58	27.91	5.4	53.82	17.07	54	-36.93	Vertical
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor The emission levels of other frequencies are very lower than the limit and not show in test report.</p>								

Test Result(Emissions in Restricted band)								
Test mode	Mode 1		Temp. /Hum.		25 °C/60%			
Test voltage	AC 120V/60Hz		Test channel		802.11n40, Highest			
Peak value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.5	49.86	28.16	5.51	53.8	29.73	74	-44.27	Horizontal
2500	47.85	22.8	5.53	53.8	22.38	74	-51.62	Horizontal
2483.5	50.45	28.16	5.51	53.8	30.32	74	-43.68	Vertical
2500	47.24	22.8	5.53	53.8	21.77	74	-52.23	Vertical
Average value:								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
2483.5	39.4	28.16	5.51	53.8	19.27	54	-34.73	Horizontal
2500	37.87	22.8	5.53	53.8	12.4	54	-41.6	Horizontal
2483.5	38	28.16	5.51	53.8	17.87	54	-36.13	Vertical
2500	40.77	22.8	5.53	53.8	15.3	54	-38.7	Vertical
<p>Note: Final Level = Receiver Read level + Factor Factor = Antenna Factor + Cable Loss – Pre-amplifier Factor The emission levels of other frequencies are very lower than the limit and not show in test report.</p>								

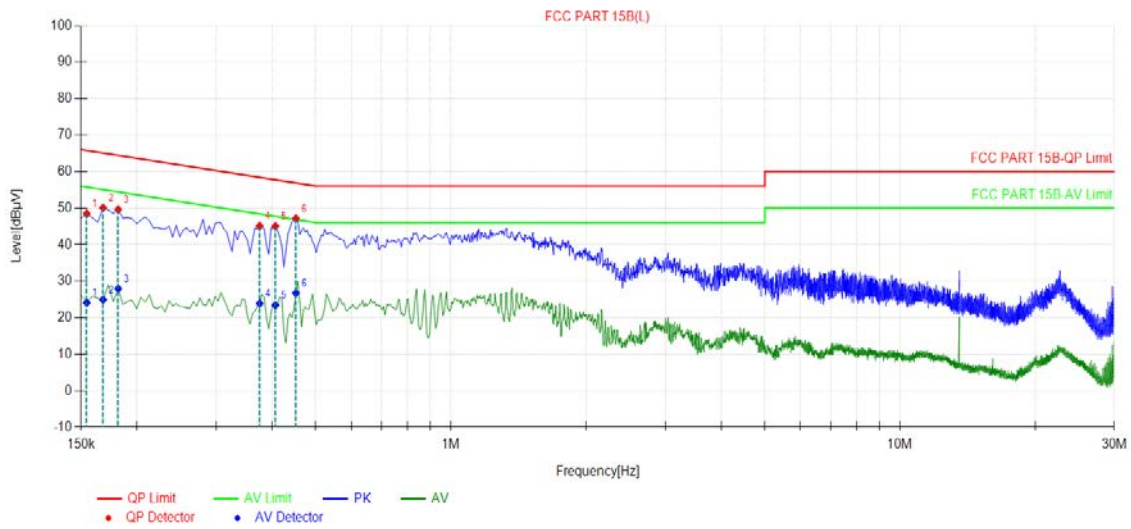
6.7 Conducted Emissions

Limit		
Frequency (MHz)	Quasi-peak	Average
0.15~0.50	66 to 56*	56 to 46*
0.50~5.0	56	46
5.0~30	60	50

*Decreases with the logarithm of the frequency.
 If the limit for the measurement with the average detector is met when using a receiver with a quasi-peak detector, the equipment under test shall be deemed to meet both limits and the measurement using the receiver with an average detector need not be carried out

Block diagram of Test Setup	
<input checked="" type="checkbox"/> For table-top equipment	<input type="checkbox"/> For floor standing equipment
	
Test Instrument	
Refer to Annex A for details	
Test Procedures	
<p>The measurement was performed in a shield room.</p> <p>Measured levels of ac power-line conducted emission shall be the radio-noise voltage from the voltage probe, where permitted, or across the 50 Ω LISN port (to which the EUT is connected), as terminated into a 50 Ω EMI receiver or spectrum analyzer. All radio-noise voltage and current measurements shall be made on each current-carrying conductor at the plug end of the EUT power cord or calibrated extension cord by the use of mating plugs and receptacles on the EUT and LISN, if used. The manufacturer shall test equipment with power cords that are normally supplied or recommended by the manufacturer and that have electrical and shielding characteristics that are the same as those cords normally supplied or recommended. For measurements using a LISN, the 50 Ω measuring port is terminated into a 50 Ω EMI receiver or spectrum analyzer. All other ports are terminated into 50 Ω loads.</p> <p>Table top devices shall be placed on a platform of nominal size 1 m by 1.5 m, raised 80 cm above the reference ground plane. The vertical conducting plane or wall of an RF-shielded (screened) room shall be located 40 cm to the rear of the EUT. Floor-standing devices shall be placed either directly on the reference ground-plane or on insulating material as described in ANSI C63.4. All other surfaces of tabletop or floor-standing EUTs shall be at least 80 cm from any other grounded conducting surface, including the case or cases of one or more LISNs.</p> <p>The bandwidth of the test receiver is set at 9 kHz.</p>	
Verdict	
Pass	

Test Result			
Test mode	Mode 1	Polarity	Line
Test voltage	AC 120V/60Hz	Temp. /Hum.	25 °C/60%

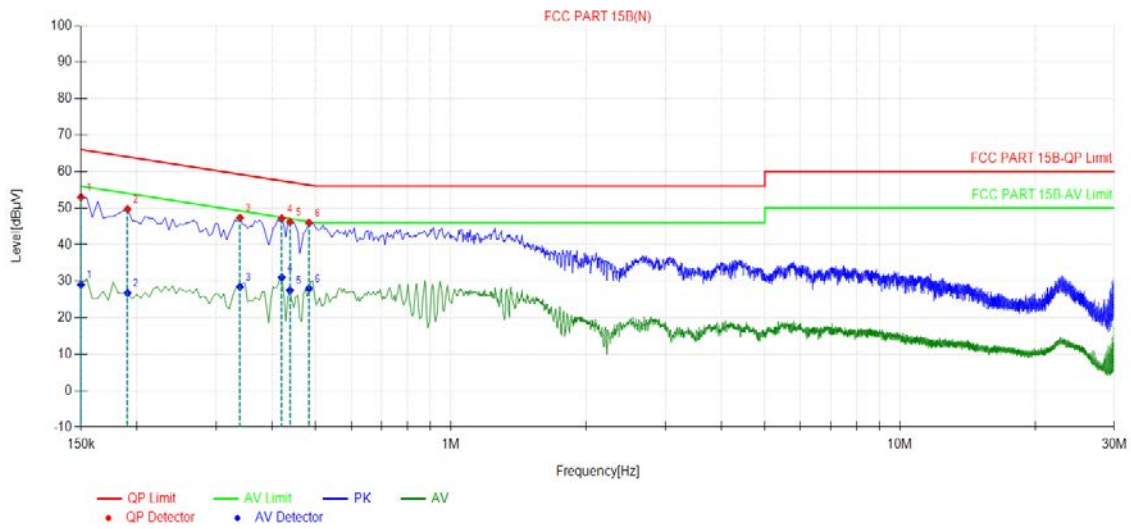


Final Data List

NO.	Freq. [MHz]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict	Type
1	0.1545	48.46	65.75	17.29	24.10	55.75	31.65	PASS	L
2	0.168	50.06	65.06	15.00	24.97	55.06	30.09	PASS	L
3	0.1815	49.61	64.42	14.81	27.96	54.42	26.46	PASS	L
4	0.375	45.09	58.39	13.30	23.89	48.39	24.50	PASS	L
5	0.4065	45.05	57.72	12.67	23.43	47.72	24.29	PASS	L
6	0.4515	47.15	56.85	9.70	26.75	46.85	20.10	PASS	L

Note: Final Level = Receiver Read level + Factor
 Factor = LISN Factor + Cable Loss
 Only the worst case report (802.11b 2462MHz)

Test Result			
Test mode	Mode 1	Polarity	Neutral
Test voltage	AC 120V/60Hz	Temp. /Hum.	25 °C/60%



Final Data List

NO.	Freq. [MHz]	QP Value [dBµV]	QP Limit [dBµV]	QP Margin [dB]	AV Value [dBµV]	AV Limit [dBµV]	AV Margin [dB]	Verdict	Type
1	0.15	52.98	66.00	13.02	29.03	56.00	26.97	PASS	N
2	0.1905	49.68	64.01	14.33	26.76	54.01	27.25	PASS	N
3	0.339	47.34	59.23	11.89	28.48	49.23	20.75	PASS	N
4	0.42	47.15	57.45	10.30	31.02	47.45	16.43	PASS	N
5	0.438	46.19	57.10	10.91	27.48	47.10	19.62	PASS	N
6	0.483	45.98	56.29	10.31	27.99	46.29	18.30	PASS	N

Note: Final Level = Receiver Read level + Factor
 Factor = LISN Factor + Cable Loss
 Only the worst case report (802.11b 2462MHz)

7 Test Setup Photo

Reference to the **appendix I** for details.

8 EUT Constructional Details

Reference to the **appendix II** for details.



Annex A --Test Instruments list

Radiated Emission:						
Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. cycle	Cal.Date
SST-E-SAC001	3m Semi- Anechoic Chamber	BOST	966	/	3 years	2023.01.07
SST-E-SCC001	Control Room	BOST	333	/	3 years	2023.01.07
SST-E-SAC002	Breiband TRILOG Messantenne	Schwarzbeck	VULB 9162	00556	1 year	2023.04.02
SST-E-SAC004	Broad-band Horn Antenna	Schwarzbeck	BBHA 9120 D	02783	1 year	2023.04.02
SST-E-SCC003	EMI Test Receiver	R&S	ESPI7	101401	1 year	2023/3/23
SST-E-SCC004	Amplifier	Schwarzbeck	BBV 9744	00327	1 year	2023/3/23
SST-E-SCC015	Amplifie (1-18GHz)	TSTPASS	LNA10180G45	TSAM2303003	1 year	2023/5/6
SST-E-RSC007	Spectrum Analyzer	keysight	N9010A	MY51282069	1 year	2023/3/31
SST-E-SCC016	Amplifier (40G)	RFsystem	TRLA-180400G45B	23060801	1 year	2023/6/15
SST-E-SAC006	Broadband Horn Antenna (40G)	Schwarzbeck	BBHA9170	01306	1 year	2023/6/11
SST-E-RSC010	Spectrum analyzer	R&S	FSV40-N	/	1 year	2023/06/16
SST-E-SAC007	Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60B 044	1 year	2023/6/11
SST-E-SAC005	5W 6dB attenuator	/	DC-6GHz	/	Internal calibration	/
SST-E-EMC006	Thermohyrometer	KTJ	TA218A	879030	1 year	2023/03/28
/	EMI Test Software	Tonscend	TS+	V5.0	/	/

Conducted Emission						
Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. cycle	Cal.Date
SST-E-CSC001	Shielding Room	BOST	854	/	3 year	2023/1/7
SST-E-CSC002	EMI Test Receiver	R&S	ESR3	103057	1 year	2023/3/23
SST-E-CSC003	LISN	R&S	ENV 216	102832	1 year	2023/3/23
SST-E-CSC004	ISN	R&S	NTFM 8158	00347	1 year	2023/3/23
SST-E-CSC007	Antenna port test assembly	/	DC-3GHz	/	Internal calibration	/
SST-E-EMC011	Thermohyrometer	KTJ	TA218A	879036	1 year	2023/03/28
/	EMI Test Software	Tonscend	TS+	V4.0	/	/

RF conducted						
Equipment No.	Test Equipment	Manufacturer	Model No.	Serial No.	Cal. cycle	Cal.Date
SST-E-RSC001	Shielding Room	BOST	543	/	3 year	2023/1/7
SST-E-RSC007	Spectrum analyzer	keysight	N9020A	MY51280659	1 year	2023/3/31
SST-E-RSC008	Analog signal source	Agilent	N5181A	MY48180054	1 year	2023/3/25
SST-E-RSC009	Vector signal source	keysight	N5172B	MY57281610	1 year	2023/3/23
SST-E-EMC007	Thermohyrometer	KTJ	TA218A	879032	1 year	2023/03/28
SST-E-RSC010	Spectrum analyzer	R&S	FSV40-N	/	1 year	2023/06/16
SST-E-RSC015-1	Power meter 1	TST	TST V2	/	1 year	2023/09/22
/	Test Software	TST PASS	TST PASS	V2.0	/	/

▶▶▶ END OF REPORT ◀◀◀

