



FCC TEST REPORT

FCC ID:2BL3E-SLK

Report Number..... : ZKT-241011054E

Date of Test..... Oct, 11 2024 to Nov. 04, 2024

Date of issue : Nov. 04, 2024

Total number of pages 16

Test Result : PASS

Testing Laboratory..... : Shenzhen ZKT Technology Co., Ltd.

Address : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : Shenzhen Yundacheng Technology Co., Limited

Address : No.401, building 3, honghengtai industrial park, liantang industrial city, shangcun community, gongming street, guangming district, shenzhen, china.

Manufacturer's name : Shenzhen Yundacheng Technology Co., Limited

Address : No.401, building 3, honghengtai industrial park, liantang industrial city, shangcun community, gongming street, guangming district, shenzhen, china.

Test specification:

Standard..... : FCC Part 15 B
ANSI C63.4:2014

Test procedure : /

Non-standard test method : N/A

Test Report Form No. : TRF-EL-117_V0

Test Report Form(s) Originator : ZKT Testing

Master TRF : Dated: 2020-01-06

This device described above has been tested by ZKT, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Product name..... : All-in-one computer

Trademark : N/A

Model/Type reference : SLK720
SLK400, SLK410, SLK420, SLK430, SLK450, SLK700, SLK710,
SLK730, SLK750, SLK412, SLK416, SLK422, SLK712, SLK716,
SLK722

Ratings..... : Input: 19V  4.73A From Adapter



Testing procedure and testing location:

Testing Laboratory : **Shenzhen ZKT Technology Co., Ltd.**

Address : 1/F, No. 101, Building B, No. 6, Tangwei Community
Industrial Avenue, Fuhai Street, Bao'an District,
Shenzhen, China

Tested by (name + signature) : Jim Liu

Jim Liu

Reviewer (name + signature) : Jackson Fang

Jackson Fang

Approved (name + signature) : Lake Xie





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1.VERSION

Report No.	Version	Description	Approved
ZKT-241011054E	Rev.01	Initial issue of report	Nov. 04, 2024



2.GENERAL INFORMATION

2.1 Description of Device (EUT)

EUT	All-in-one computer
Trademark	: N/A
Model No.	SLK720
Serial Model	: SLK400, SLK410, SLK420, SLK430, SLK450, SLK700, SLK710, SLK730, SLK750, SLK412, SLK416, SLK422, SLK712, SLK716, SLK722
Model Difference	All the model are the same circuit and RF module, except model names and appearance color.
Ratings:	: Input: 19V  4.73A From Adapter
Adapter	: Input: 100-240V~ 50/60Hz 2A Output: 19V  4.72A

2.2 Tested System Details

None.

2.3 Test Facility

Shenzhen ZKT Technology Co., Ltd.
Add. : 1/F, No. 101, Building B, No. 6, Tangwei Community Industrial Avenue, Fuhai Street, Bao'an District, Shenzhen, China

FCC Test Firm Registration Number: 692225
Designation Number: CN1299
IC Registered No.: 27033

2.4 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the Product as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Test item	Value (dB)
Conducted Emission (150K-30MHZ)	3.20
Radiated disturbance(30MHz-1000MHz)	4.80
3m chamber Radiated spurious emission(1GHz-6GHz)	4.9
3m chamber Radiated spurious emission(6GHz-40GHz)	5.0



2.5 Test Instrument Used

Conducted emissions Test

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	LISN	R&S	ENV216	101471	N/A	Sep. 30, 2024	Sep. 29, 2025
2	LISN	CYBERTEK	EM5040A	E1850400149	N/A	Sep. 30, 2024	Sep. 29, 2025
3	Test Cable	N/A	C-01	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
4	Test Cable	N/A	C-02	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
5	Test Cable	N/A	C-03	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
6	EMI Test Receiver	R&S	ESC13	101393	4.42 SP3	Sep. 29, 2024	Sep. 28, 2025
7	Triple-Loop Antenna	N/A	RF300	9194	N/A	Sep. 29, 2024	Sep. 28, 2025
8	Absorbing Clamp	DZ	ZN23201	15034	N/A	Oct. 10, 2024	Oct. 09, 2025
9	EMC Software	Frad	EZ-EMC	Ver.EMC-CON 3A1.1	N/A	\	\

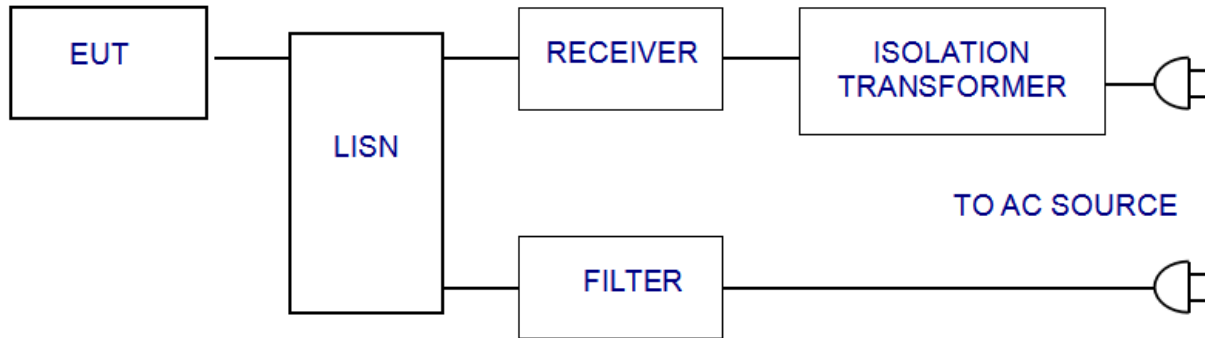
Radiated emissions Test (966 chamber)

Item	Equipment	Manufacturer	Type No.	Serial No.	Firmware Version	Last calibration	Calibrated until
1	Spectrum Analyzer (9kHz-26.5GHz)	KEYSIGHT	N9020A	MY55370835	A.17.05	Sep. 29, 2024	Sep. 28, 2025
2	Spectrum Analyzer (10kHz-39.9GHz)	R&S	FSV40-N	100363	1.71 SP2	Sep. 30, 2024	Sep. 29, 2025
3	EMI Test Receiver (9kHz-7GHz)	R&S	ESC17	100969	4.32	Sep. 29, 2024	Sep. 28, 2025
4	Bilog Antenna (30MHz-1500MHz)	Schwarzbeck	VULB9168	00877	N/A	Sep. 30, 2024	Sep. 29, 2025
5	Horn Antenna (1GHz-18GHz)	Agilent	AH-118	071145	N/A	Sep. 30, 2024	Sep. 29, 2025
6	Horn Antenna (15GHz-40GHz)	A.H.System	SAS-574	588	N/A	Sep. 30, 2024	Sep. 29, 2025
7	Loop Antenna	TESEQ	HLA6121	58357	N/A	Oct. 11, 2024	Oct. 10, 2025
8	Amplifier (30-1000MHz)	EM Electronics	EM330 Amplifier	60747	N/A	Sep. 29, 2024	Sep. 28, 2025
9	Amplifier (1GHz-26.5GHz)	HuiPu	8449B	3008A00315	N/A	Sep. 29, 2024	Sep. 28, 2025
10	Amplifier (500MHz-40GHz)	QuanJuDa	DLE-161	097	N/A	Sep. 30, 2024	Sep. 29, 2025
11	Test Cable	N/A	R-01	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
12	Test Cable	N/A	R-02	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
13	Test Cable	N/A	R-03	N/A	N/A	Sep. 30, 2024	Sep. 29, 2025
14	D.C. Power Supply	LongWei	TPR-6405D	N/A	N/A	\	\
15	EMC Software	Frad	EZ-EMC	Ver.EMC-CO N 3A1.1	N/A	\	\
16	Turntable	MF	MF-7802BS	N/A	N/A	\	\
17	Antenna tower	MF	MF-7802BS	N/A	N/A	\	\



3.CONDUCTED EMISSION AT THE MAINS TERMINALS TEST

3.1 Block Diagram Of Test Setup



3.2 Test Standard

FCC PART 15 B

3.3 Power Line Conducted Emission Limit

Frequency MHz	Limits dB(μV)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66 ~ 56*	56 ~ 46*
0.50 ~ 5.00	56	46
5.00 ~ 30.00	60	50

Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

3.4 EUT Configuration on Test

The following equipments are installed on conducted emission test to meet FCC PART 15 B requirement and operating in a manner which tends to maximize its emission characteristics in a normal application.

3.5 Operating Condition of EUT

3.5.1 Setup the EUT and simulators as shown in Section 3.1.

3.5.2 Turn on the power of all equipments.

3.5.3 Let the EUT work in test modes and test it.

3.6 Test Procedure

The EUT is put on the ground and connected to the AC mains through a Artificial Mains Network (AMN). This provided a 50ohm coupling impedance for the tested equipments. Both sides of AC line are checked to find out the maximum conducted emission levels according to the **FCC PART 15 B** regulations during conducted emission test.

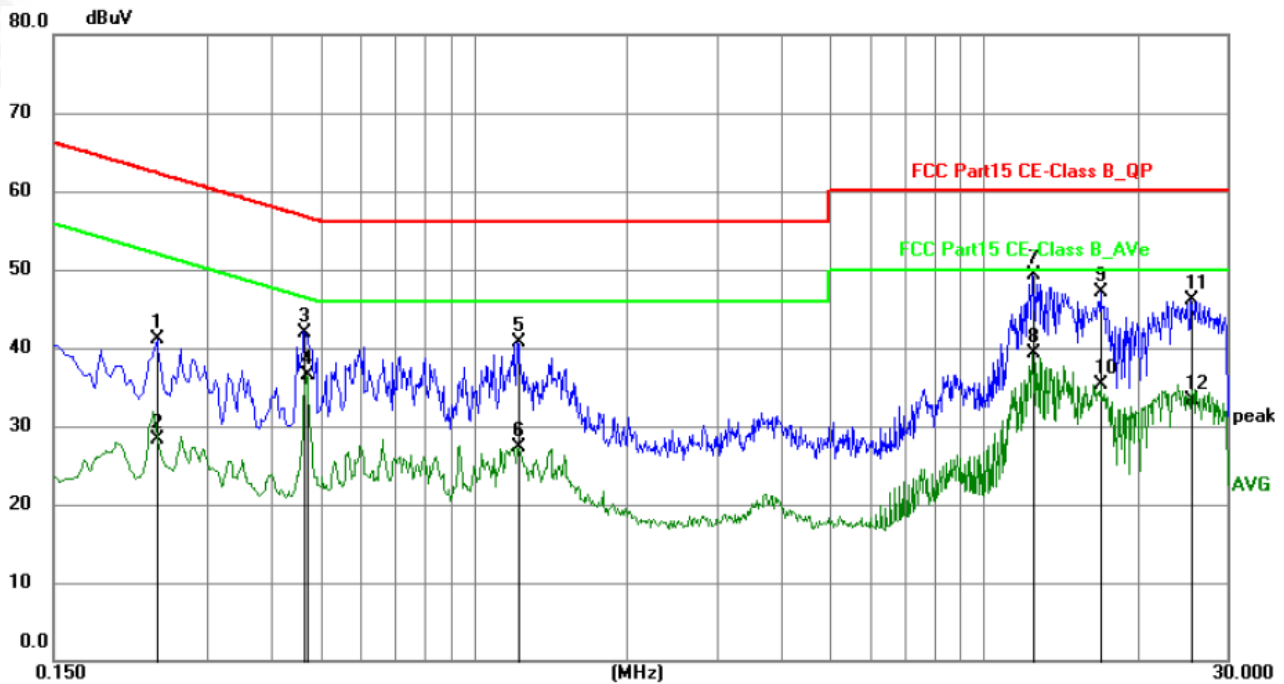
The bandwidth of the test receiver (R&S Test Receiver ESCI) is set at 10KHz.

The frequency range from 150 KHz to 30 MHz is investigated.



3.7 Test Result

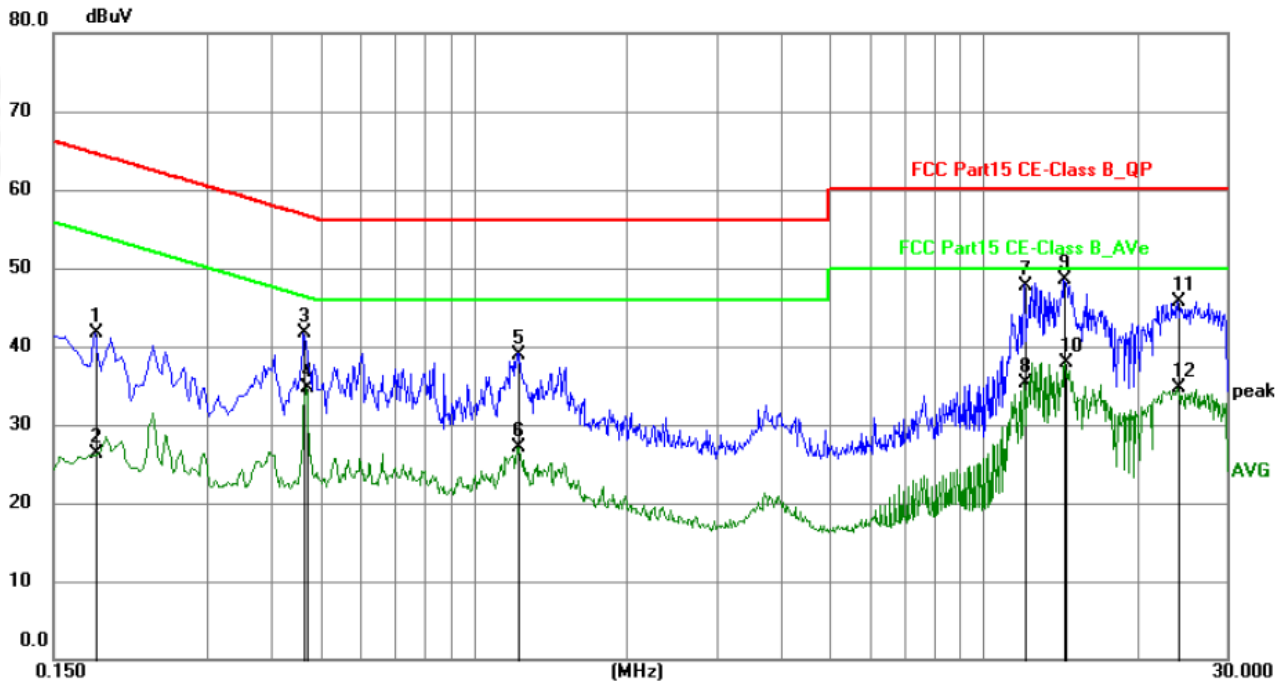
Temperature:	26 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	L
Test Voltage :	AC 120V/60Hz	Test Mode:	Working



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2400	20.83	20.37	41.20	62.10	-20.90	QP	P
2	0.2403	7.84	20.37	28.21	52.09	-23.88	AVG	P
3	0.4650	21.69	20.31	42.00	56.60	-14.60	QP	P
4	0.4695	16.15	20.31	36.46	46.52	-10.06	AVG	P
5	1.2209	20.38	20.30	40.68	56.00	-15.32	QP	P
6	1.2254	7.09	20.30	27.39	46.00	-18.61	AVG	P
7	12.4575	28.82	20.47	49.29	60.00	-10.71	QP	P
8	12.4575	18.77	20.47	39.24	50.00	-10.76	AVG	P
9	16.9710	26.57	20.50	47.07	60.00	-12.93	QP	P
10	16.9710	14.74	20.50	35.24	50.00	-14.76	AVG	P
11	25.4580	25.47	20.64	46.11	60.00	-13.89	QP	P
12	25.4580	12.67	20.64	33.31	50.00	-16.69	AVG	P



Temperature:	26 °C	Relative Humidity:	54%
Pressure:	1010hPa	Phase :	N
Test Voltage :	AC 120V/60Hz	Test Mode:	Working



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1815	21.31	20.30	41.61	64.42	-22.81	QP	P
2	0.1824	5.96	20.30	26.26	54.38	-28.12	AVG	P
3	0.4650	21.37	20.31	41.68	56.60	-14.92	QP	P
4	0.4695	14.37	20.31	34.68	46.52	-11.84	AVG	P
5	1.2209	18.70	20.30	39.00	56.00	-17.00	QP	P
6	1.2254	6.88	20.30	27.18	46.00	-18.82	AVG	P
7	12.0480	27.32	20.48	47.80	60.00	-12.20	QP	P
8	12.0480	14.75	20.48	35.23	50.00	-14.77	AVG	P
9	14.3745	28.03	20.50	48.53	60.00	-11.47	QP	P
10	14.5095	17.36	20.50	37.86	50.00	-12.14	AVG	P
11	24.0945	25.12	20.64	45.76	60.00	-14.24	QP	P
12	24.0945	14.13	20.64	34.77	50.00	-15.23	AVG	P

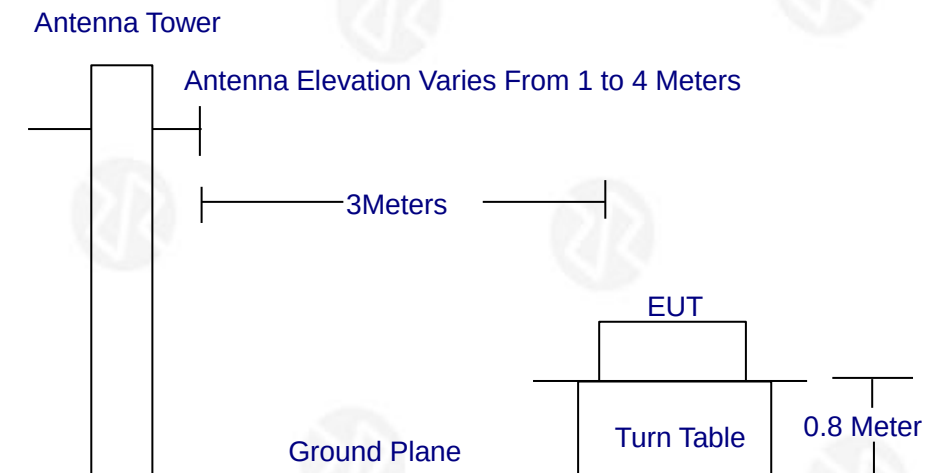
Notes:

- 1.An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2.Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3.Measurement Level = Reading level + Correct Factor
- 4.Only the worst test voltages were recorded is 120VAC.



4. RADIATION EMISSION TEST

4.1 Block Diagram of Test Setup



4.2 Test Standard

FCC PART 15 B

4.3 Radiation Limit

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dB μ V/m)
30 ~ 88	3	40.0
88 ~ 216	3	43.5
216 ~ 960	3	46.0
960 ~ 1000	3	54.0

FREQUENCY (MHz)	Limit (dB μ V/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

4.4 EUT Configuration on Test

The FCC PART 15 B regulations test method must be used to find the maximum emission during radiated emission test. The configuration of EUT is the same as used in conducted emission test. Please refer to Section 2.2.

4.5 Operating Condition of EUT

Same as conducted emission test, which is listed in Section 2.2 except the test set up replaced as Section 4.1.

4.6 Test Procedure

The EUT and its simulators are placed on a turned table that is 0.8 meter above the ground. The turned table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna that is mounted on the antenna tower. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated biconical and log periodical antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on test. In order to find the maximum emission levels, the interface cable must be manipulated according to FCC PART 15 B on radiated emission test.

The bandwidth setting on the field strength meter (R&S Test Receiver ESCI) is set at 120KHz below 1GHz,

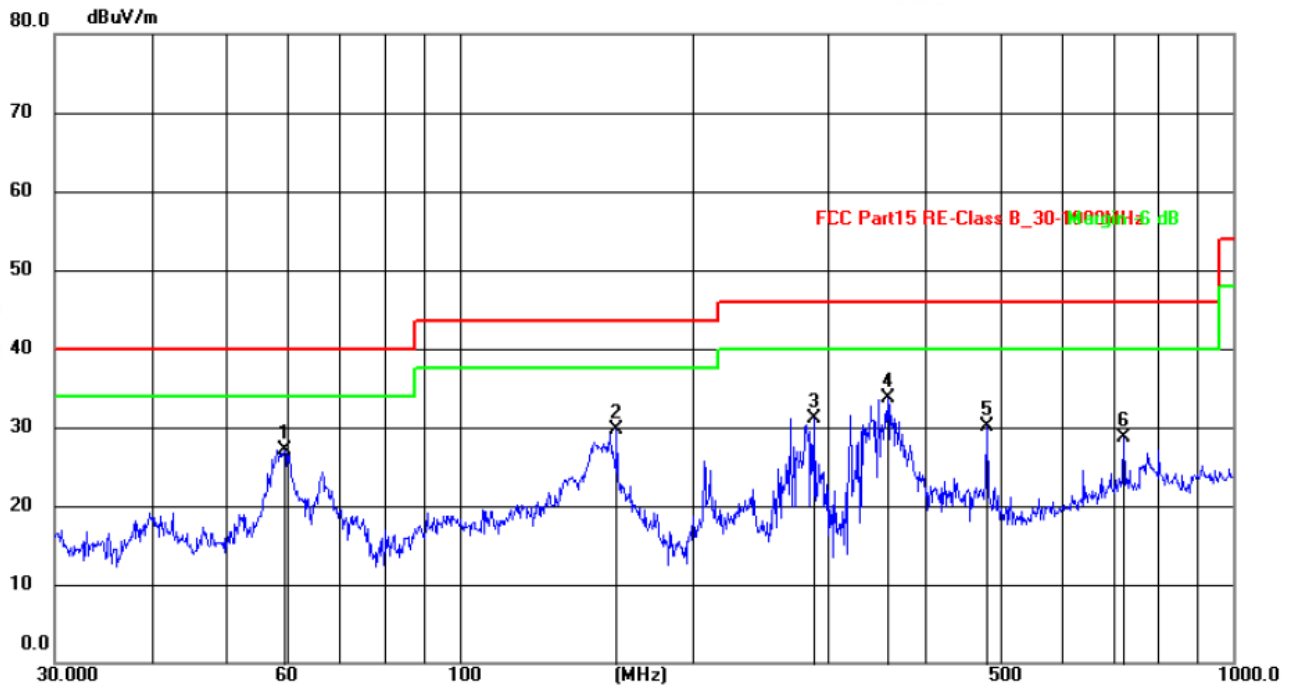


set at 1MHz above 1GHz. The frequency range from 30MHz to 1000MHz is checked. The highest frequency of the internal sources of the EUT was below 108MHz, so the measurement was only made up to 1GHz.

4.7 Test Result

Between 30MHz – 1GHz:

Radiation Emission Test Data			
Temperature:	26°C	Relative Humidity:	60%
Pressure:	1009hPa	Phase :	Horizontal
Test Voltage :	AC 120V/60Hz	Test Mode:	Working



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	59.4405	41.33	-14.22	27.11	40.00	-12.89	QP
2	159.7844	45.84	-16.19	29.65	43.50	-13.85	QP
3	287.9904	46.45	-15.40	31.05	46.00	-14.95	QP
4	357.9287	50.36	-16.74	33.62	46.00	-12.38	QP
5	480.5276	42.60	-12.58	30.02	46.00	-15.98	QP
6	721.7258	35.43	-6.76	28.67	46.00	-17.33	QP



Radiation Emission Test Data			
Temperature:	26°C	Relative Humidity:	60%
Pressure:	1009hPa	Phase :	Vertical
Test Voltage :	AC 120V/60Hz	Test Mode:	Working



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	59.2324	54.87	-18.25	36.62	40.00	-3.38	QP
2	66.7325	52.65	-19.01	33.64	40.00	-6.36	QP
3	159.7844	54.97	-20.19	34.78	43.50	-8.72	QP
4	348.0274	46.88	-16.75	30.13	46.00	-15.87	QP
5	480.5276	42.58	-12.24	30.34	46.00	-15.66	QP
6	721.7258	41.35	-6.77	34.58	46.00	-11.42	QP

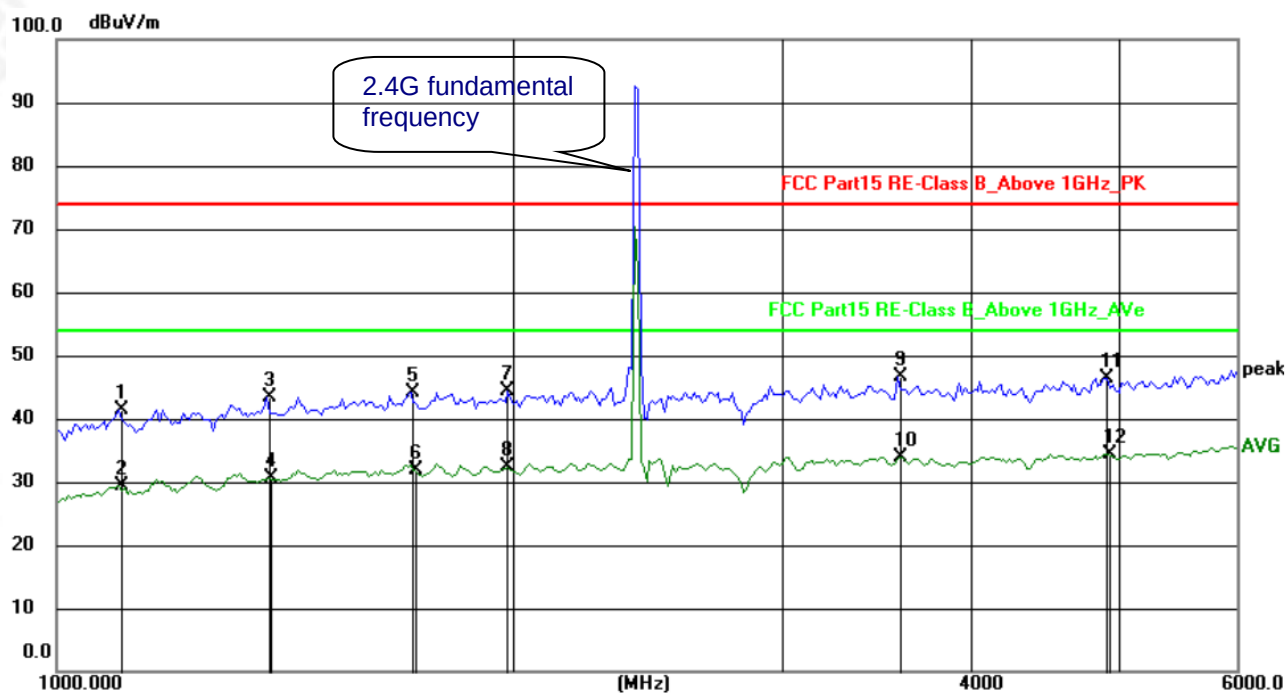
Remarks:

- 1.Final Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor
- 2.The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3.Only the worst test voltages were recorded is 120VAC.



Above 1GHz:

Radiation Emission Test Data			
Temperature:	26°C	Relative Humidity:	60%
Pressure:	1009hPa	Phase :	Horizontal
Test Voltage :	AC 120V/60Hz	Test Mode:	Working

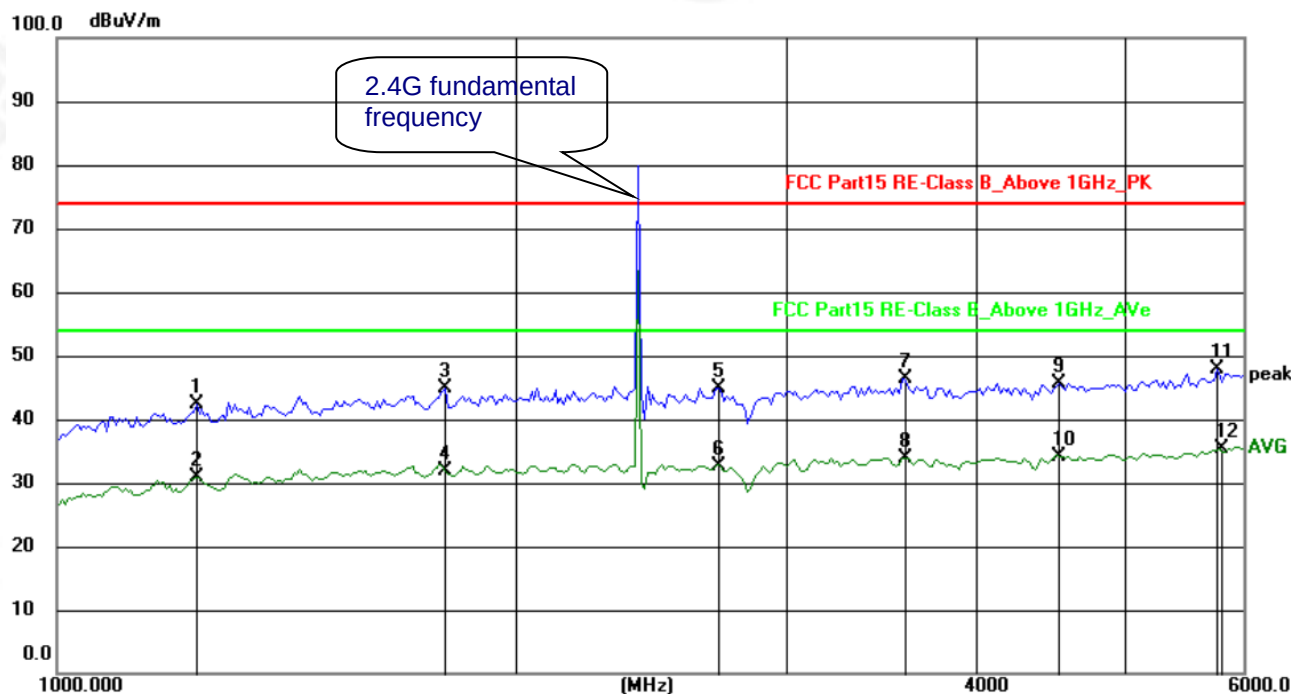


No.	Frequency (MHz)	Reading (dBUV)	Factor (dB/m)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector
1	1098.634	43.54	-2.04	41.50	74.00	-32.50	peak
2	1098.634	31.46	-2.04	29.42	54.00	-24.58	AVG
3	1374.428	45.08	-1.82	43.26	74.00	-30.74	peak
4	1380.598	32.38	-1.81	30.57	54.00	-23.43	AVG
5	1711.770	45.77	-1.55	44.22	74.00	-29.78	peak
6	1719.455	33.39	-1.55	31.84	54.00	-22.16	AVG
7	1984.462	45.65	-1.35	44.30	74.00	-29.70	peak
8	1984.462	33.61	-1.35	32.26	54.00	-21.74	AVG
9	3584.535	46.84	-0.11	46.73	74.00	-27.27	peak
10	3600.627	33.90	-0.10	33.80	54.00	-20.20	AVG
11	4904.664	45.44	0.93	46.37	74.00	-27.63	peak
12	4926.683	33.46	0.95	34.41	54.00	-19.59	AVG



Radiation Emission Test Data

Temperature:	26°C	Relative Humidity:	60%
Pressure:	1009hPa	Phase :	Vertical
Test Voltage :	AC 120V/60Hz	Test Mode:	Working



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	1234.334	44.38	-1.93	42.45	74.00	-31.55	peak
2	1234.334	32.72	-1.93	30.79	54.00	-23.21	AVG
3	1798.227	46.35	-1.49	44.86	74.00	-29.14	peak
4	1798.227	33.33	-1.49	31.84	54.00	-22.16	AVG
5	2703.174	45.78	-0.78	45.00	74.00	-29.00	peak
6	2703.174	33.51	-0.78	32.73	54.00	-21.27	AVG
7	3584.535	46.44	-0.11	46.33	74.00	-27.67	peak
8	3584.535	33.94	-0.11	33.83	54.00	-20.17	AVG
9	4545.041	45.02	0.65	45.67	74.00	-28.33	peak
10	4545.041	33.46	0.65	34.11	54.00	-19.89	AVG
11	5762.923	46.21	1.60	47.81	74.00	-26.19	peak
12	5788.796	33.66	1.61	35.27	54.00	-18.73	AVG

Remarks:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. Only the worst test voltages were recorded is 120VAC.
4. If peak below the average limit, the average emission was no test.
5. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.



5.EUT TEST PHOTOGRAPHS

Reference to the appendix I for details.

6.EUT PHOTOGRAPHS

Reference to the appendix II for details.

***** END OF REPORT *****