

FCC - TEST REPORT

Report Number : **68.950.16.625.01** Date of Issue: December 07, 2016

Model : **CT4**

Product Type : Tablet PC

Applicant : Olive Oil Computer Limited

Address : Level 15, Langham Place, 8 Argyle Street, Mongkok, Kowloon,
Hong Kong.

Production Facility : Welco Wong's Technology (ShenZhen) Limited

Address : 2-3 floor of block 14, 1-4 floor of block 17, 1-3 floor of block 34,
No.2 of WanFeng WanZhangPu Industrial Estate, ShaJing, Bao'an
China

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including Appendices : 33

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1 Table of Contents

1	Table of Contents	2
2	Details about the Test Laboratory	3
3	Description of the Equipment Under Test	4
4	Summary of Test Standards	5
5	Summary of Test Results	6
6	General Remarks.....	7
7	Test Setups.....	8
8	Systems test configuration	9
9	Technical Requirement	10
9.1	Conducted Emission 0.15MHz – 30MHz	10
9.2	Radiated Emission Test 30MHz – 1000MHz	19
9.3	Radiated Emission Test 1000MHz – 3000MHz	28
10	Test Equipment List.....	32
11	System Measurement Uncertainty	33

2 Details about the Test Laboratory

Details about the Test Laboratory

Test Site 1

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12 & 13, Zhiheng Wisdomland Business Park, Nantou Checkpoint
Road 2, Nanshan District
Shenzhen 518052
P.R. China

Telephone: 86 755 8828 6998
Fax: 86 755 828 5299
FCC Registration Number: 502708
IC Registration Number: 10320A-1

3 Description of the Equipment Under Test

Product: Tablet PC

Model no.: CT4

FCC ID: 2AKHP-CT4-US

Options and accessories: Nil

Rating: 3.8VDC, 3700mAh
(Supplied by Li-ion rechargeable battery)
5.0VDC, 2.0A (Charging by external adapter)
Adapter Model: MU10-Q050200-A2
Input: 100-240VAC, 50/60Hz, 0.3A
Output: 5.0VDC, 2.0A

Description of the EUT: The Equipment Under Test (EUT) is a Tablet PC operated at 2.4GHz

4 Summary of Test Standards

Test Standards	
FCC Part 15 Subpart B, 10-1-2015 Edition	PART 15 - RADIO FREQUENCY DEVICES Subpart B - Unintentional Radiators

5 Summary of Test Results

Emission Tests				
FCC Part 15 Subpart B,10-1-2015 Edition				
Test Condition Class B	Pages	Test Result		
		Pass	Fail	N/A
Radiated Emission 30MHz to 1000MHz	19	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Radiated Emission * 1GHz to 6GHz	28	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Conducted Emission on AC 150kHz to 30MHz	10	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Note 1: N/A=Not Applicable.

Note 2: The EUT uses an Integrated antenna, which gain is -2.0dBi. In accordance to §15.203, it is considered sufficiently to comply with the provisions of this section.

6 General Remarks

Remarks

This submittal(s) (test report) is intended for FCC ID: 2AKHP-CT4-US complies with Section 15.109, 15.107 of the FCC Part 15, Subpart B.

This report is for the BT 3.0 part.

SUMMARY:

All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: November 01, 2016

Testing Start Date: November 01, 2016

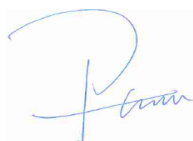
Testing End Date: November 27, 2016

- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch -

Reviewed by:

Prepared by:

Tested by:



Phoebe Hu
EMC Project Manager



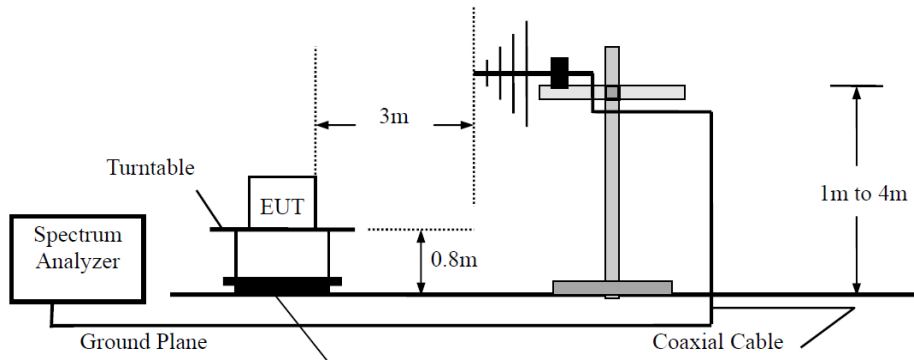
Aaron Lai
EMC Project Engineer



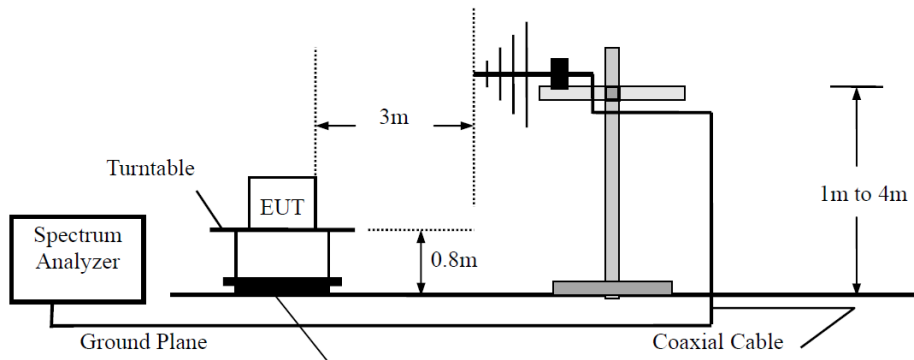
Leon Zhang
EMC Test Engineer

7 Test Setups

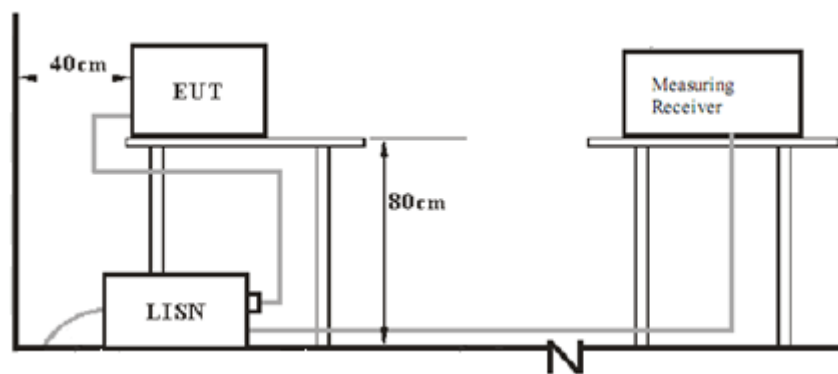
7.1 Radiated test setups Below 1GHz



Above 1GHz



7.2 AC Power Line Conducted Emission test setups



8 Systems test configuration

Auxiliary Equipment Used during Test:

DESCRIPTION	MANUFACTURER	MODEL NO.	S/N
PC	lenovo	X220	---

9 Technical Requirement

9.1 Conducted Emission 0.15MHz – 30MHz

Test Method

1. The EUT was placed on a table, which is 0.8m above ground plane
2. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.).
3. Maximum procedure was performed to ensure EUT compliance
4. A EMI test receiver is used to test the emissions from both sides of AC line

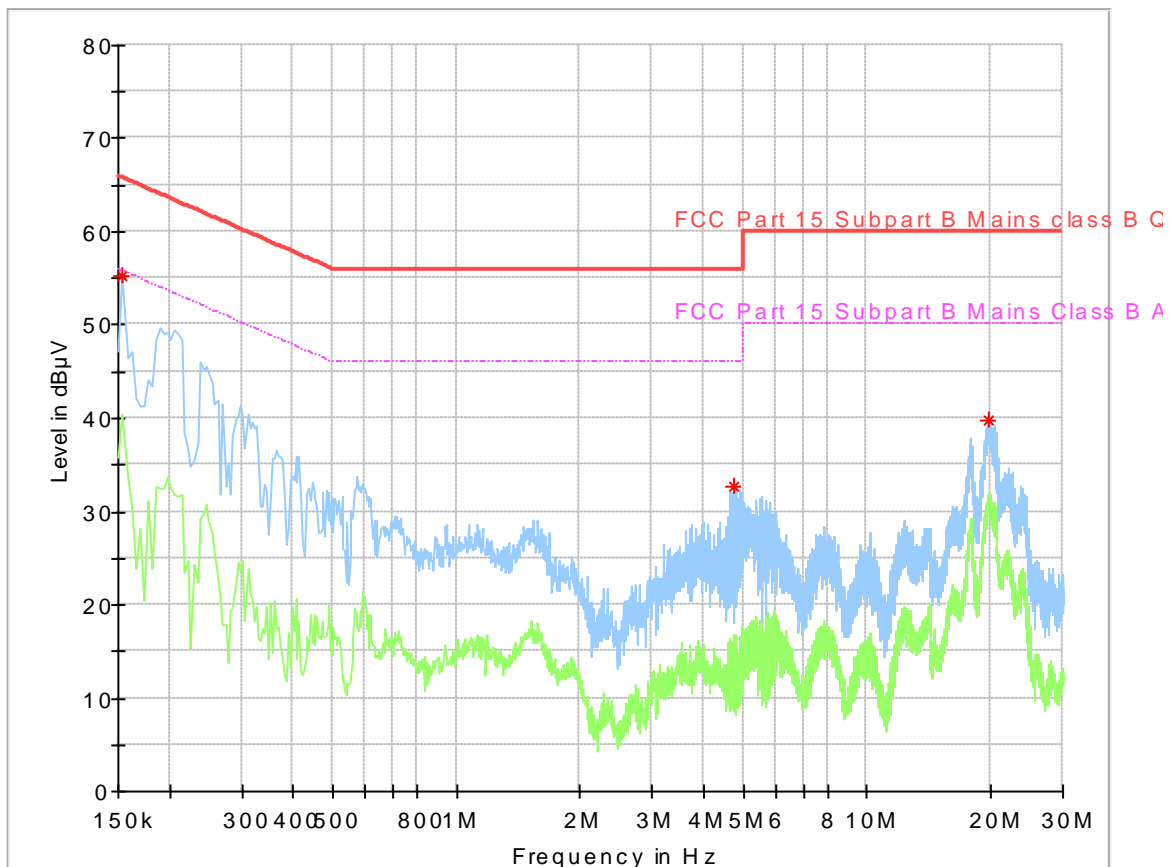
Limit

Frequency MHz	QP Limit dB μ V	AV Limit dB μ V
0.150-0.500	66-56*	56-46*
0.500-5	56	46
5-30	60	50

Decreasing linea

Conducted Emission 0.15MHz – 30MHz

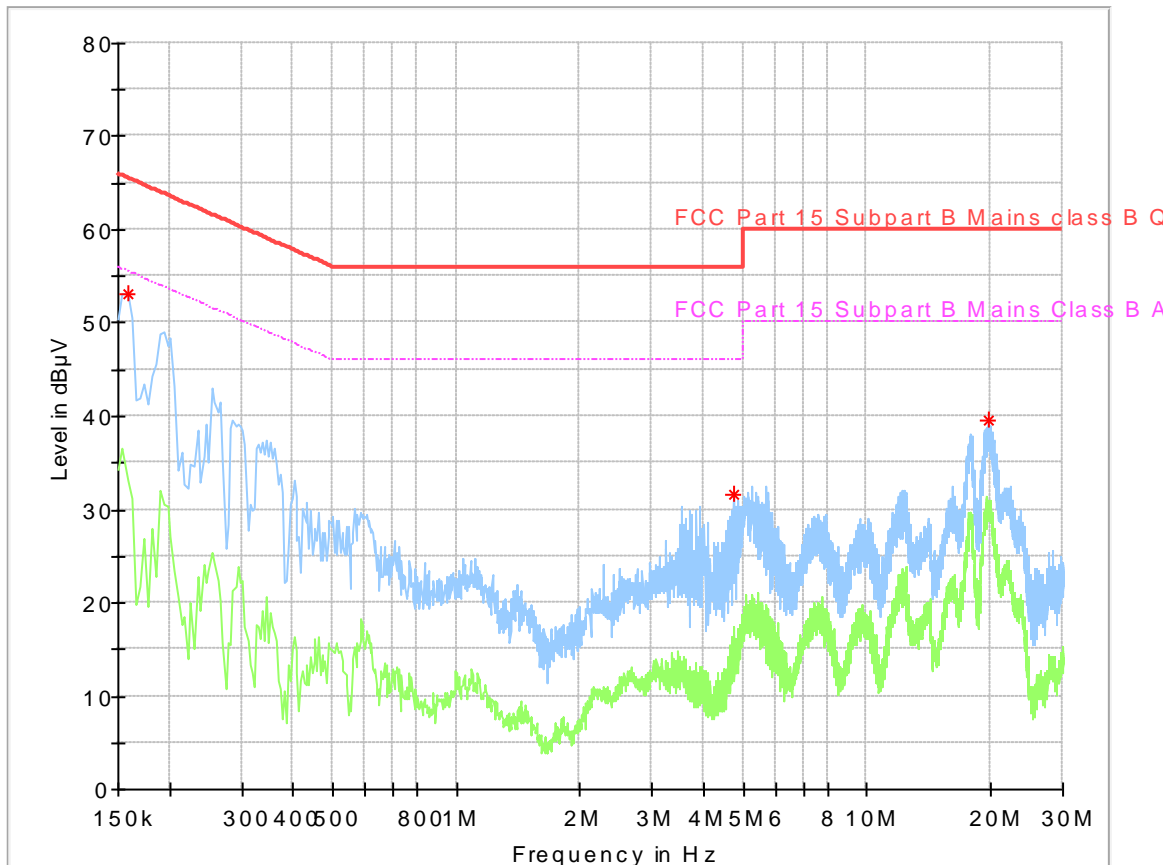
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Connect to PC
 Test Specification : Live
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line
0.154000	55.19	---	65.78	10.59	L1
4.742000	32.78	---	56.00	23.22	L1
19.890000	39.72	---	60.00	20.28	L1

Conducted Emission 0.15MHz – 30MHz

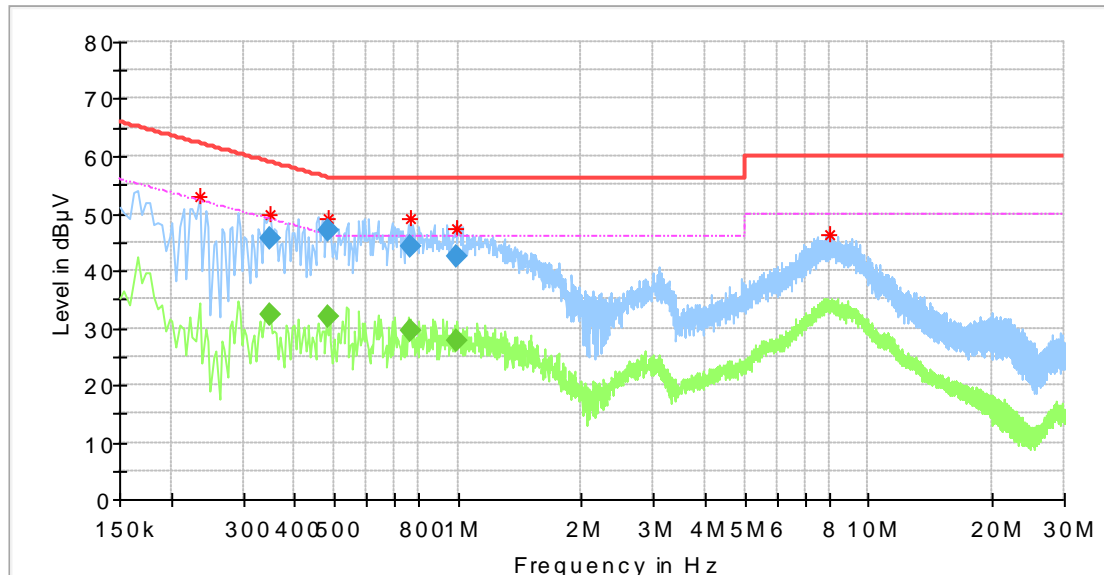
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Connect to PC
 Test Specification : Neutral
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line
0.158000	53.07	---	65.57	12.50	N
4.718000	31.56	---	56.00	24.44	N
19.858000	39.52	---	60.00	20.48	N

Conducted Emission 0.15MHz – 30MHz

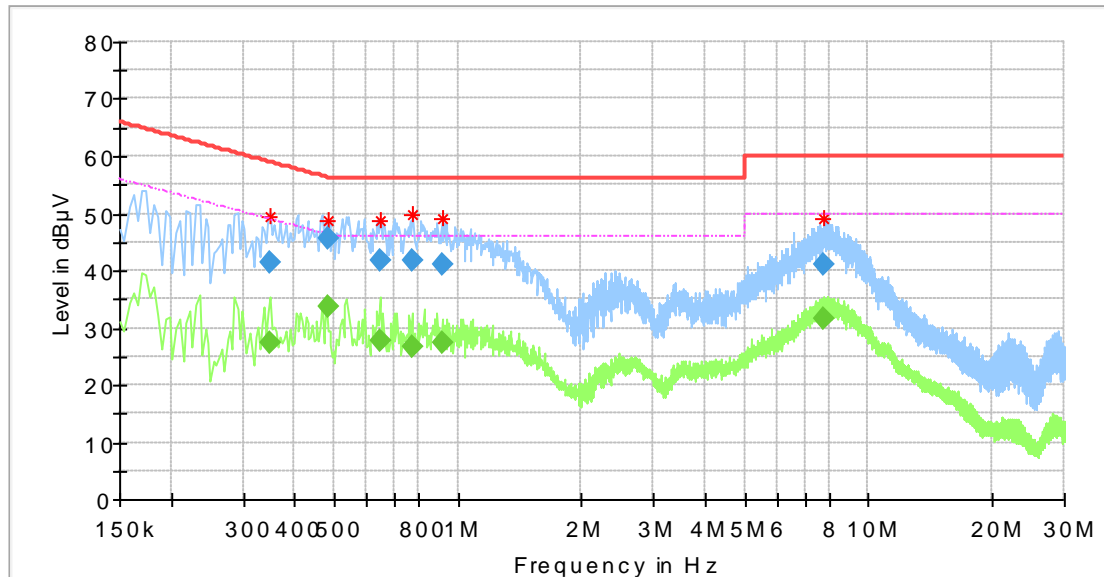
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + Video playing
 Test Specification : Live
 Comment : AC 120V/60Hz



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.349500	---	32.31	48.97	16.66	L1	9.7
0.349500	45.57	---	58.97	13.40	L1	9.7
0.482500	---	31.76	46.30	14.54	L1	9.7
0.482500	47.10	---	56.30	9.20	L1	9.7
0.765500	---	29.58	46.00	16.42	L1	9.7
0.765500	44.14	---	56.00	11.86	L1	9.7
0.989500	---	27.87	46.00	18.13	L1	9.7
0.989500	42.38	---	56.00	13.62	L1	9.7

Conducted Emission 0.15MHz – 30MHz

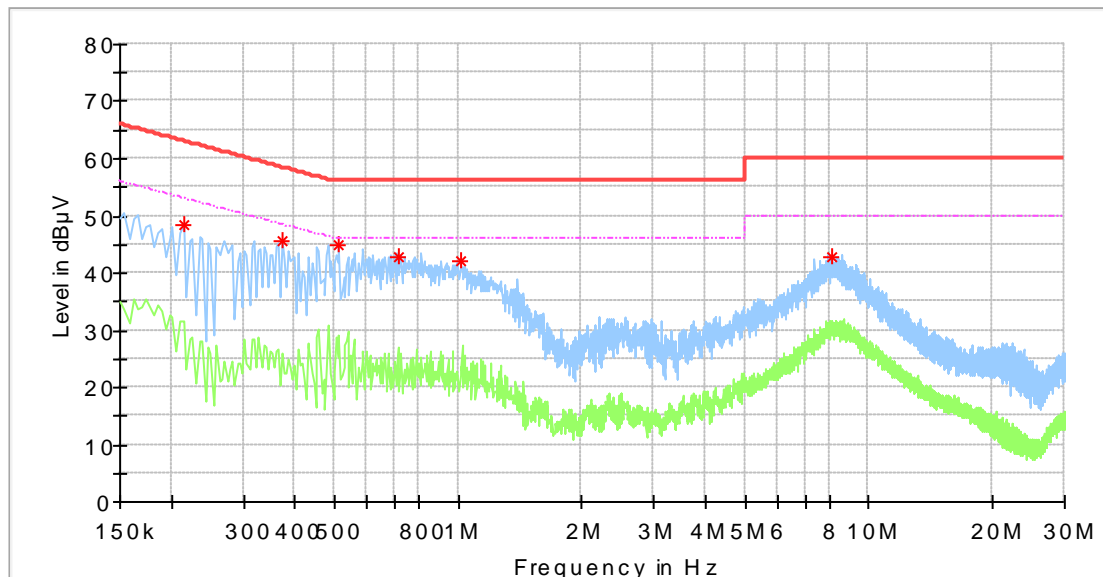
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + Video playing
 Test Specification : Neutral
 Comment : AC 120V/60Hz



Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.350500	---	27.24	48.95	21.71	N	9.7
0.350500	41.52	---	58.95	17.43	N	9.7
0.481500	---	33.66	46.31	12.65	N	9.7
0.481500	45.69	---	56.31	10.62	N	9.7
0.649500	---	27.85	46.00	18.15	N	9.7
0.649500	41.86	---	56.00	14.14	N	9.7
0.777500	---	26.60	46.00	19.40	N	9.7
0.777500	41.67	---	56.00	14.33	N	9.7
0.917500	---	27.46	46.00	18.54	N	9.7
0.917500	41.15	---	56.00	14.85	N	9.7
7.789500	---	31.48	50.00	18.52	N	9.9
7.789500	41.01	---	60.00	18.99	N	9.9

Conducted Emission

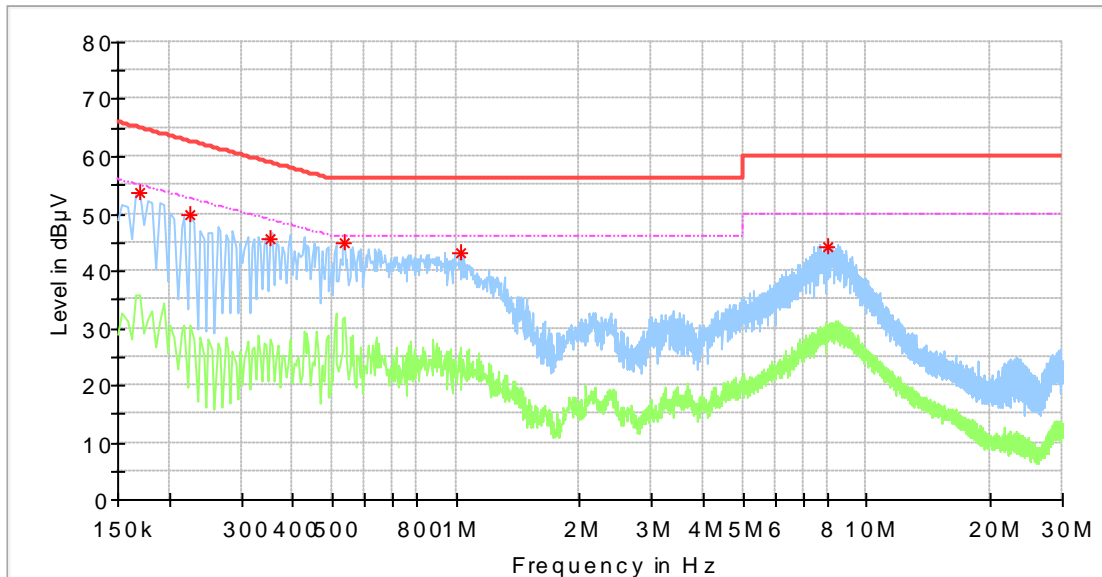
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + Video recording
 Test Specification : Live
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.214000	48.28	---	63.05	14.76	L1	9.7
0.374000	45.76	---	58.41	12.65	L1	9.7
0.514000	45.01	---	56.00	10.99	L1	9.7
0.714000	42.81	---	56.00	13.19	L1	9.7
1.014000	41.97	---	56.00	14.03	L1	9.7
8.174000	42.90	---	60.00	17.10	L1	10.0

Conducted Emission

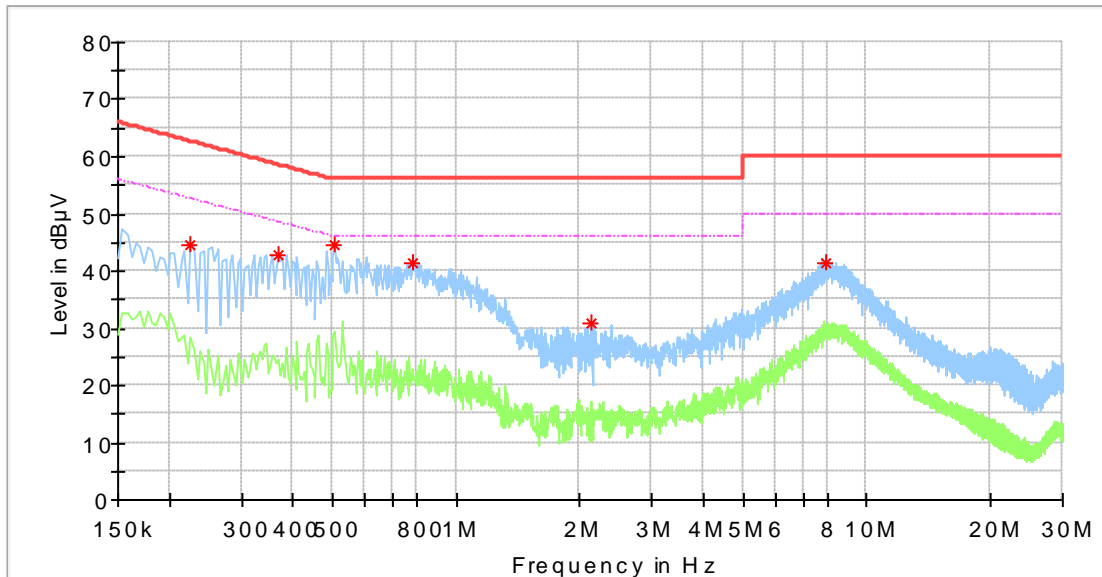
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + Video recording
 Test Specification : Neutral
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.170000	53.82	---	64.96	11.14	N	9.6
0.226000	49.93	---	62.60	12.67	N	9.6
0.354000	45.76	---	58.87	13.10	N	9.7
0.534000	44.88	---	56.00	11.12	N	9.7
1.022000	43.18	---	56.00	12.82	N	9.7
8.054000	44.30	---	60.00	15.70	N	9.9

Conducted Emission

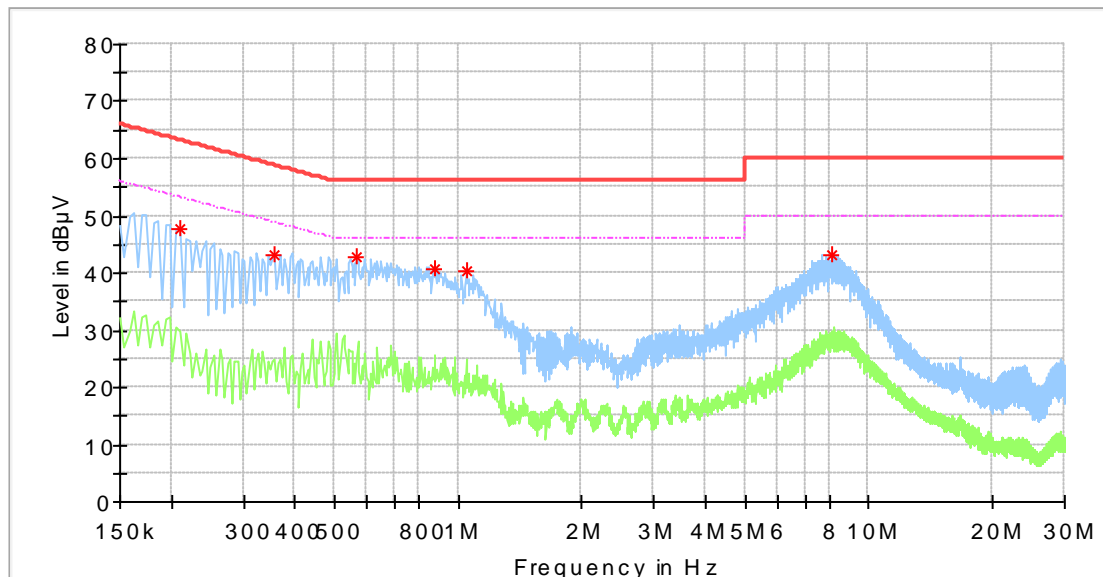
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + SDCard playing
 Test Specification : Live
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.226000	44.66	---	62.60	17.93	L1	9.7
0.370000	42.84	---	58.50	15.66	L1	9.7
0.506000	44.47	---	56.00	11.53	L1	9.7
0.786000	41.45	---	56.00	14.55	L1	9.7
2.138000	30.80	---	56.00	25.20	L1	9.7
7.982000	41.55	---	60.00	18.45	L1	10.0

Conducted Emission

Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + SDCard playing
 Test Specification : Neutral
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.210000	47.82	---	63.21	15.38	N	9.6
0.358000	43.02	---	58.77	15.76	N	9.7
0.566000	42.71	---	56.00	13.29	N	9.7
0.878000	40.63	---	56.00	15.37	N	9.7
1.046000	40.31	---	56.00	15.69	N	9.7
8.122000	43.10	---	60.00	16.90	N	10.0

9.2 Radiated Emission Test 30MHz – 1000MHz

Test Method

- 1: The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2: The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
- 3: The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 4: For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- 5: Use the following spectrum analyzer settings According to C63.4:

For Above 1GHz

Span = wide enough to capture the peak level of the in-band emission and all spurious
 RBW = 1MHz, VBW \geq RBW, Sweep = auto, Detector function = peak, Trace = max hold.

For Below 1GHz

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious
 RBW = 100 KHz, VBW \geq RBW for peak measurement, Sweep = auto, Detector function = QP, Trace = max hold.

Note:

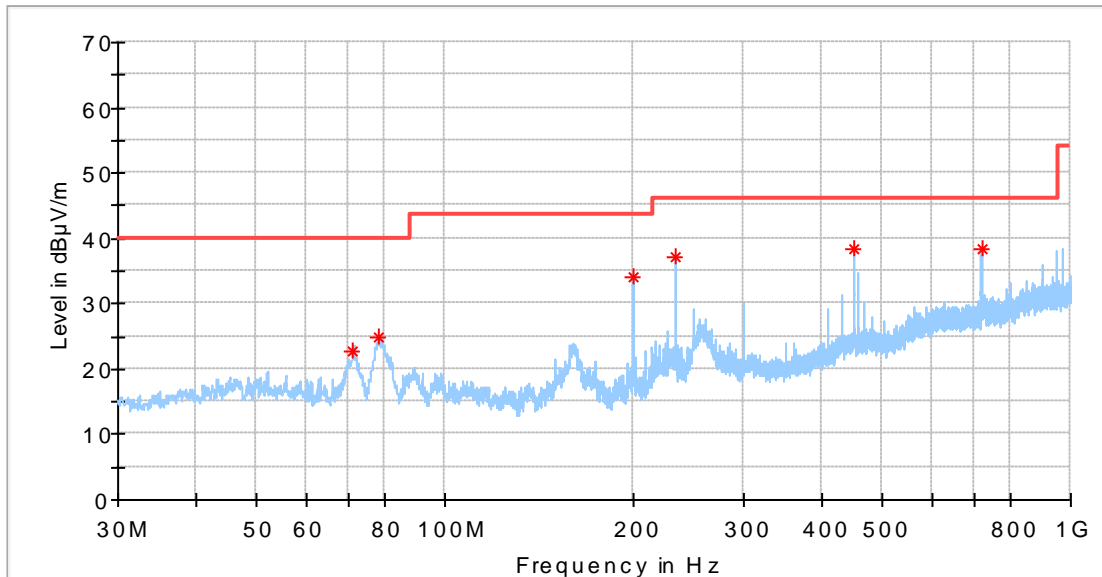
- 1: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Quasi-peak detection (QP) at frequency below 1GHz.
- 2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for peak detection (PK) at frequency above 1GHz.

Limit

Frequency MHz	Field Strength uV/m	Field Strength dB μ V/m	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

Radiated Emission Test 30MHz – 1000MHz

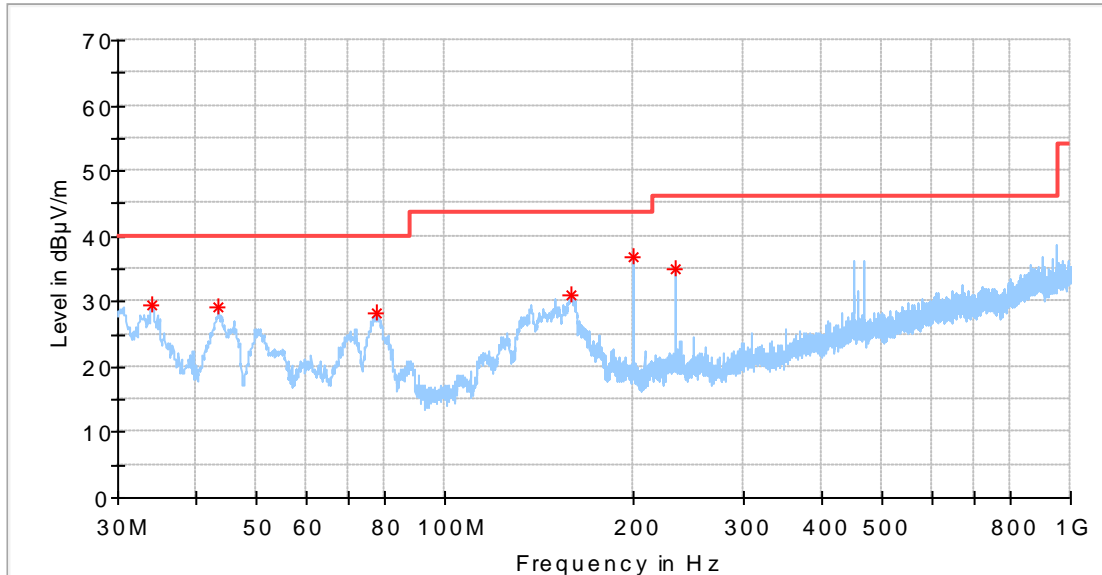
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + Video playing
 Test Specification : Horizontal
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
71.285625	22.66	40.00	17.34	100.0	H	10.0	12.9
78.500000	24.92	40.00	15.08	200.0	H	10.0	12.1
199.992500	34.09	43.50	9.41	100.0	H	33.0	15.2
234.003125	37.15	46.00	8.85	100.0	H	244.0	16.5
450.010000	38.30	46.00	7.70	200.0	H	79.0	22.4
720.033750	38.29	46.00	7.71	100.0	H	352.0	26.5

Radiated Emission Test 30MHz – 1000MHz

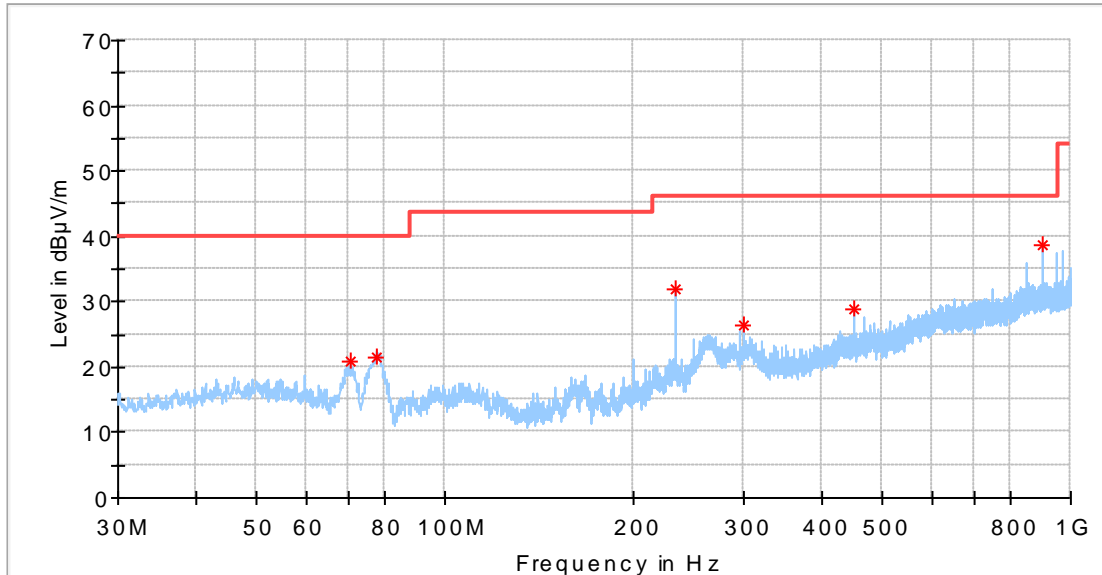
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + Video playing
 Test Specification : Vertical
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
34.001250	29.60	40.00	10.40	100.0	V	0.0	17.6
43.398125	29.28	40.00	10.72	100.0	V	59.0	18.5
77.833125	28.39	40.00	11.61	100.0	V	123.0	14.3
158.828125	30.86	43.50	12.64	100.0	V	114.0	13.7
199.992500	36.87	43.50	6.63	100.0	V	0.0	16.7
234.003125	34.96	46.00	11.04	100.0	V	0.0	17.7

Radiated Emission Test 30MHz – 1000MHz

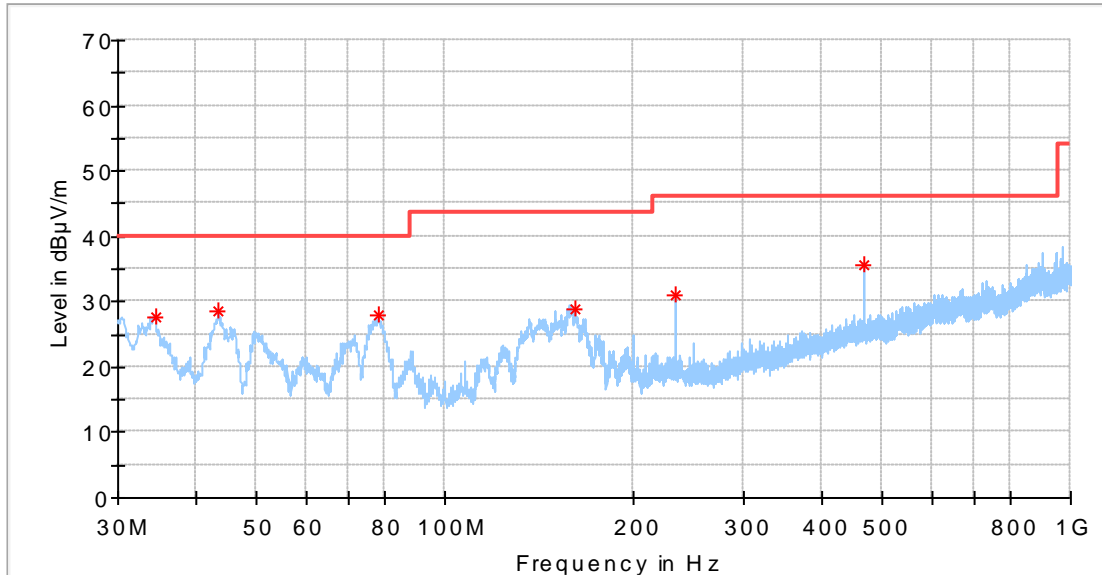
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + Video recording
 Test Specification : Horizontal
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
70.497500	20.98	40.00	19.02	100.0	H	0.0	13.1
77.893750	21.50	40.00	18.50	100.0	H	0.0	12.1
234.003125	31.91	46.00	14.09	100.0	H	0.0	16.5
299.963125	26.47	46.00	19.53	100.0	H	40.0	18.3
450.010000	28.83	46.00	17.17	100.0	H	86.0	22.4
900.029375	38.61	46.00	7.39	100.0	H	0.0	28.8

Radiated Emission Test 30MHz – 1000MHz

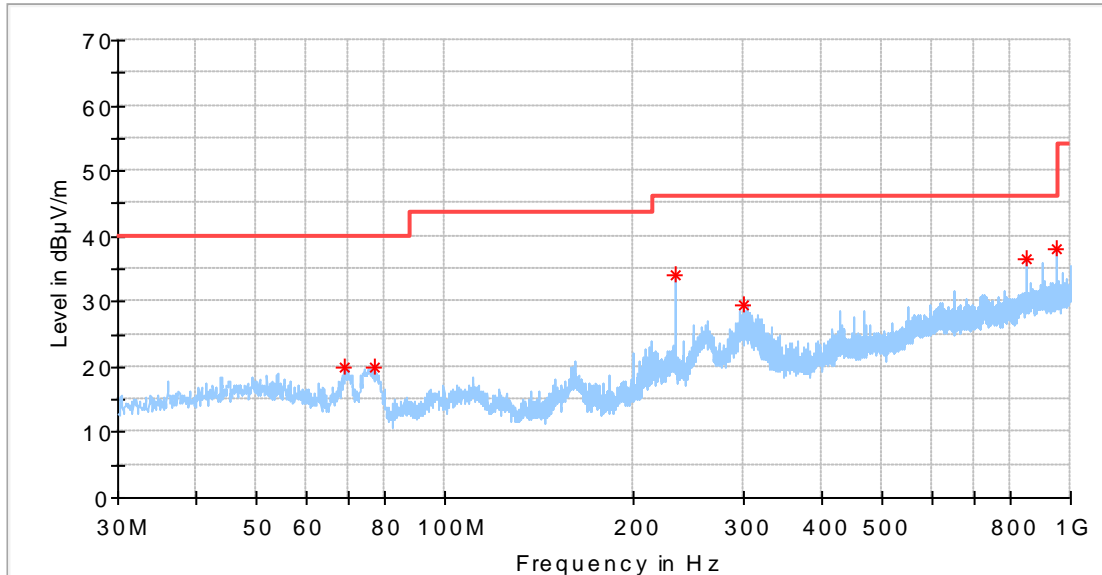
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + Video recording
 Test Specification : Vertical
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
34.425625	27.52	40.00	12.48	100.0	V	37.0	17.6
43.398125	28.65	40.00	11.35	100.0	V	64.0	18.5
78.318125	27.94	40.00	12.06	100.0	V	128.0	14.3
161.738125	28.98	43.50	14.52	100.0	V	182.0	13.9
234.003125	30.97	46.00	15.03	100.0	V	0.0	17.7
467.955000	35.70	46.00	10.30	100.0	V	0.0	24.7

Radiated Emission Test 30MHz – 1000MHz

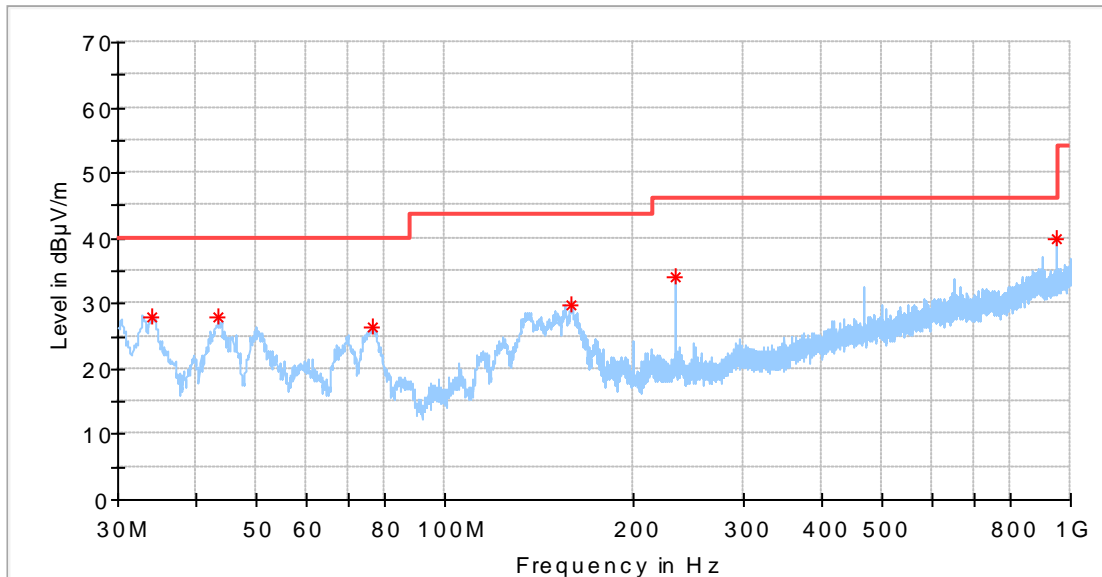
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + SDcard playing
 Test Specification : Horizontal
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
69.042500	19.88	40.00	20.12	100.0	H	0.0	13.5
77.166250	19.83	40.00	20.17	100.0	H	32.0	12.1
234.003125	34.13	46.00	11.87	100.0	H	9.0	16.5
300.084375	29.43	46.00	16.57	100.0	H	214.0	18.3
850.013750	36.42	46.00	9.58	100.0	H	0.0	28.6
950.045000	37.97	46.00	8.03	100.0	H	251.0	29.2

Radiated Emission Test 30MHz – 1000MHz

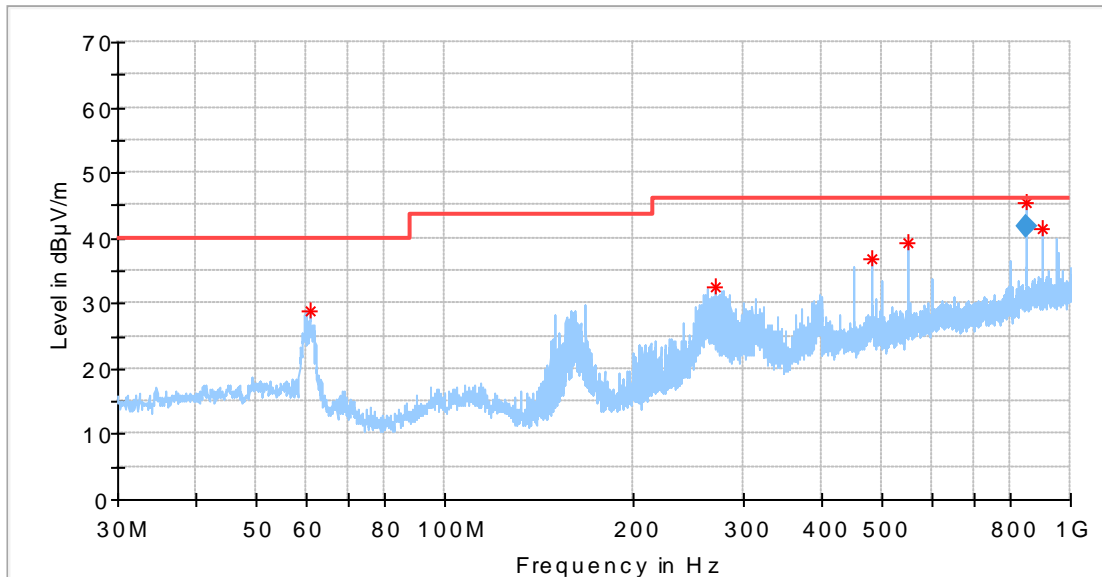
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + SDcard playing
 Test Specification : Vertical
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
34.061875	27.88	40.00	12.12	100.0	V	46.0	17.6
43.398125	28.08	40.00	11.92	100.0	V	46.0	18.5
76.378125	26.55	40.00	13.45	100.0	V	155.0	14.5
159.495000	29.65	43.50	13.85	100.0	V	119.0	13.8
234.003125	34.12	46.00	11.88	100.0	V	201.0	17.7
949.984375	39.89	46.00	6.11	100.0	V	228.0	32.1

Radiated Emission Test 30MHz – 1000MHz

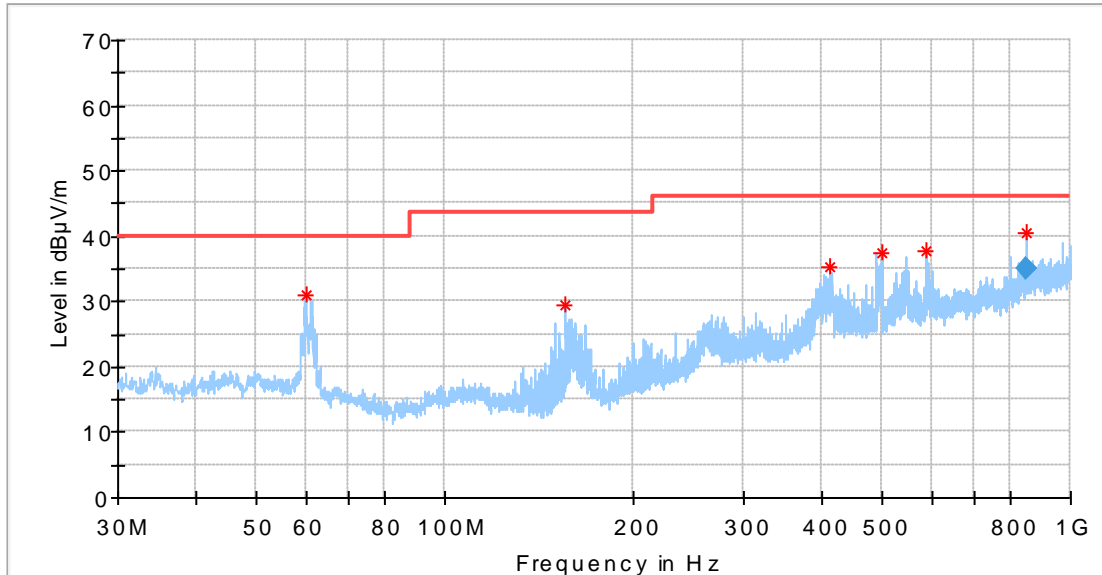
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Connect to PC
 Test Specification : Horizontal
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
60.979375	28.76	40.00	11.24	100.0	H	0.0	16.1
271.590625	32.56	46.00	13.44	100.0	H	290.0	18.0
480.019375	36.95	46.00	9.05	200.0	H	310.0	23.0
549.980625	39.35	46.00	6.65	100.0	H	208.0	24.4
849.998750	45.30	46.00	0.70	115.0	H	9.0	28.6
900.029375	41.42	46.00	4.58	100.0	H	0.0	28.8

Radiated Emission Test 30MHz – 1000MHz

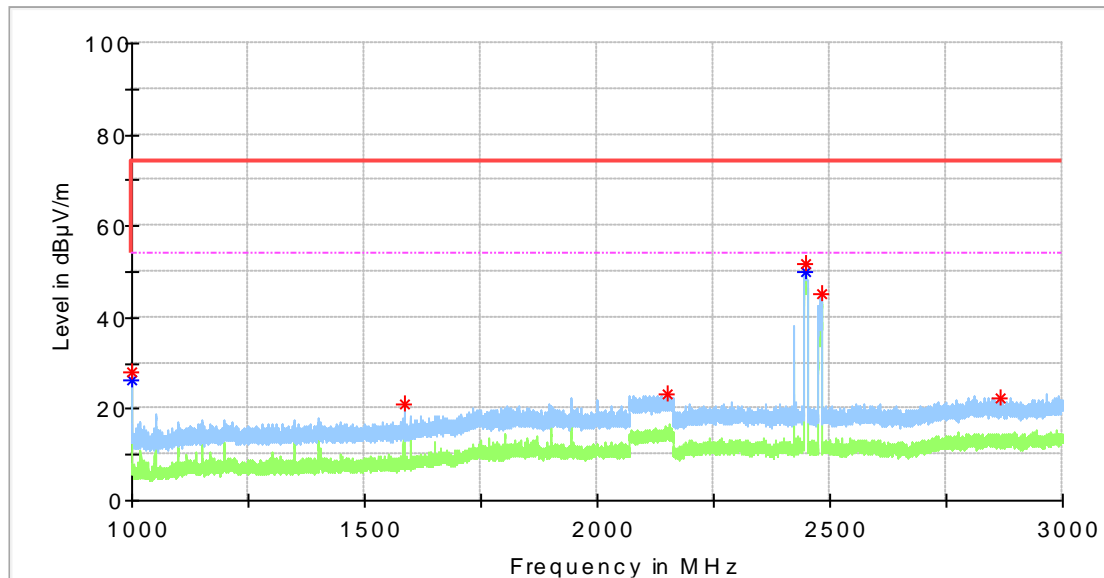
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Connect to PC
 Test Specification : Horizontal
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
59.827500	31.11	40.00	8.89	100.0	V	229.0	17.0
155.978750	29.54	43.50	13.96	100.0	V	0.0	13.4
412.968125	35.18	46.00	10.82	100.0	V	0.0	24.0
497.964375	37.38	46.00	8.62	100.0	V	345.0	24.9
585.870625	37.74	46.00	8.26	200.0	V	220.0	26.5
849.992188	40.39	46.00	5.61	115.0	V	202.0	31.0

9.3 Radiated Emission Test 1000MHz – 3000MHz

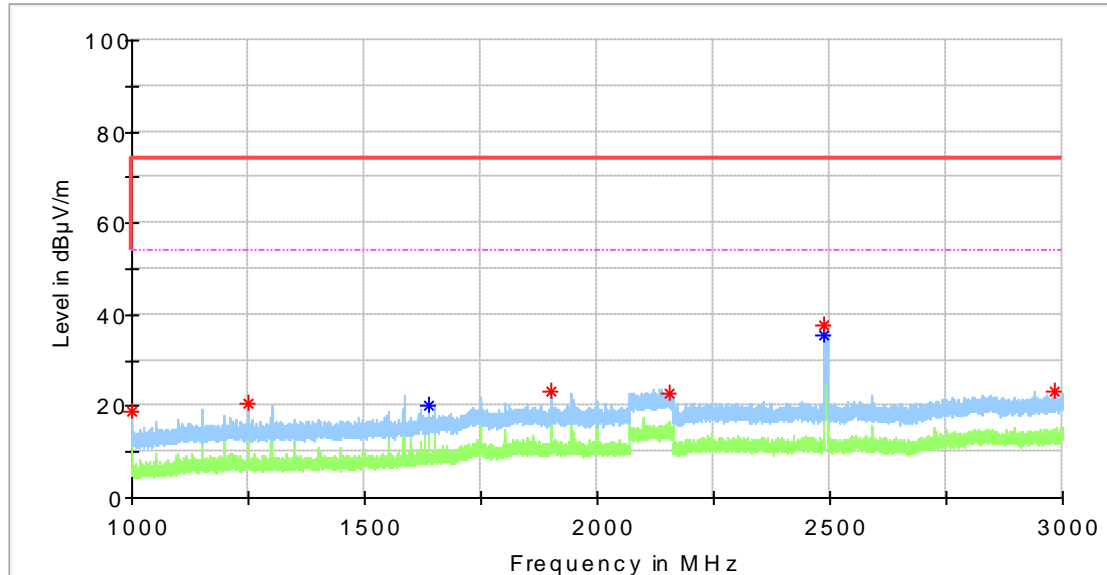
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + Video recording
 Test Specification : Horizontal
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1000.000000	---	26.52	54.00	27.48	100.0	H	0.0	-15.1
1000.250000	27.95	---	74.00	46.05	100.0	H	0.0	-15.1
1584.333333	21.17	---	74.00	52.83	100.0	H	213.0	-12.6
2151.666667	23.44	---	74.00	50.56	100.0	H	148.0	-9.0
2446.666667	---	49.87	54.00	4.13	100.0	H	22.0	-8.3
2447.000000	51.75	---	74.00	22.25	100.0	H	22.0	-8.3
2481.500000	45.15	---	74.00	28.85	100.0	H	0.0	-8.5
2865.500000	22.42	---	74.00	51.58	100.0	H	12.0	-6.8

Radiated Emission Test 1000MHz – 3000MHz

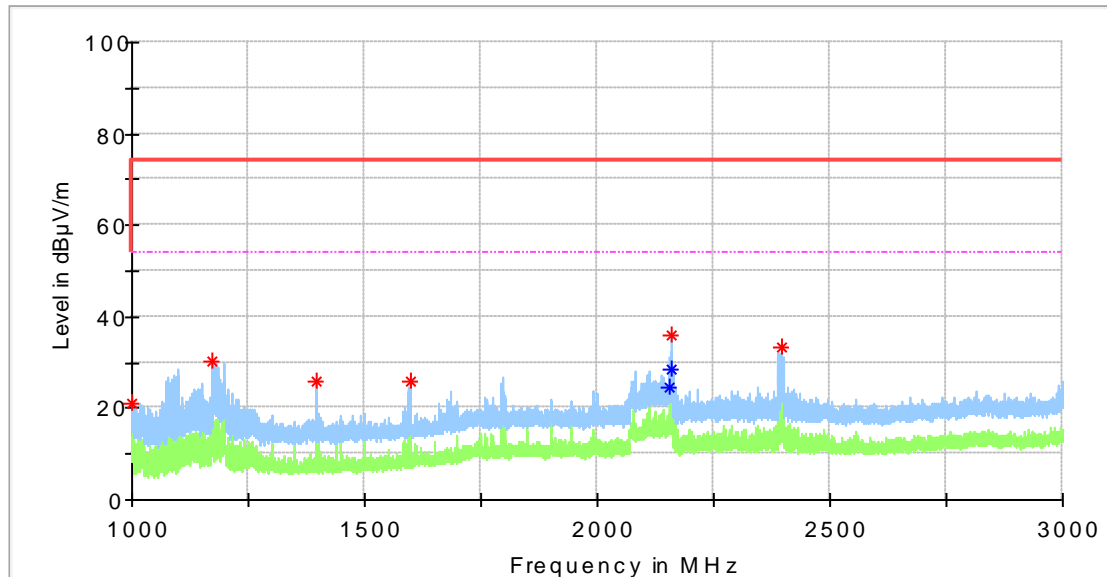
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Charging + Video recording
 Test Specification : Vertical
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1000.000000	18.90	---	54.00	35.10	100.0	V	133.0	-15.1
1249.833333	20.64	---	74.00	53.36	100.0	V	108.0	-14.0
1637.000000	---	19.98	54.00	34.02	100.0	V	0.0	-12.0
1901.083333	23.45	---	74.00	50.55	100.0	V	0.0	-9.8
2154.666667	22.98	---	74.00	51.02	100.0	V	58.0	-9.0
2487.500000	---	35.51	54.00	18.49	100.0	V	0.0	-8.4
2487.500000	37.84	---	74.00	36.16	100.0	V	0.0	-8.4
2982.583333	23.38	---	74.00	50.62	100.0	V	275.0	-6.7

Radiated Emission Test 1000MHz – 3000MHz

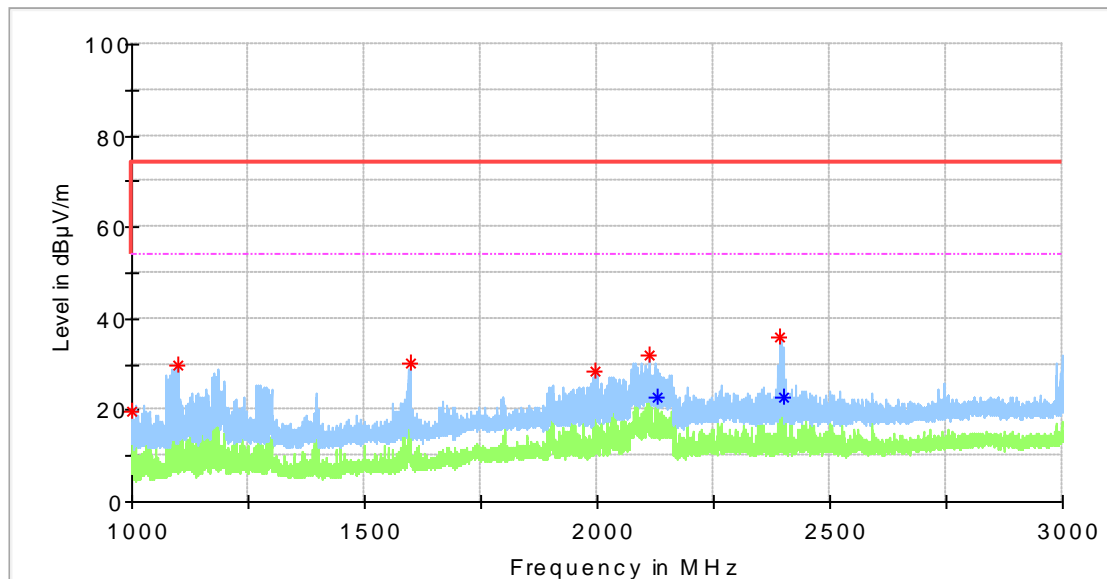
Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Connect to PC
 Test Specification : Horizontal
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1000.000000	21.17	---	54.00	32.83	100.0	H	0.0	-15.1
1171.500000	30.08	---	74.00	43.92	100.0	H	0.0	-14.4
1398.250000	25.69	---	74.00	48.31	100.0	H	223.0	-13.5
1598.250000	26.07	---	74.00	47.93	100.0	H	273.0	-12.6
2156.000000	---	24.45	54.00	29.55	100.0	H	0.0	-9.1
2160.833333	---	28.29	54.00	25.71	100.0	H	0.0	-9.1
2160.833333	35.79	---	74.00	38.21	100.0	H	0.0	-9.1
2397.833333	33.40	---	74.00	40.60	100.0	H	5.0	-8.5

Radiated Emission Test 1000MHz – 3000MHz

Product Type : Tablet PC
 M/N : CT4
 Operating Condition : Connect to PC
 Test Specification : Vertical
 Comment : AC 120V/60Hz



Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1000.000000	19.79	---	54.00	34.21	100.0	V	275.0	-15.1
1099.166667	29.95	---	74.00	44.05	100.0	V	0.0	-14.6
1598.416667	30.27	---	74.00	43.73	100.0	V	225.0	-12.6
1996.583333	28.63	---	74.00	45.37	100.0	V	237.0	-9.5
2112.000000	31.98	---	74.00	42.02	100.0	V	136.0	-9.2
2129.500000	---	22.85	54.00	31.15	100.0	V	250.0	-9.0
2390.250000	36.03	---	74.00	37.97	100.0	V	49.0	-8.6
2399.333333	---	22.85	54.00	31.15	100.0	V	25.0	-8.5

10 Test Equipment List

Radiated Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 26	101269	2017-7-15
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	707	2017-8-3
Horn Antenna	Rohde & Schwarz	HF907	102294	2017-7-15
Pre-amplifier	Rohde & Schwarz	SCU 18	102230	2017-7-15
3m Semi-anechoic chamber	TDK	9X6X6	----	2019-5-29

Conducted Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 3	101782	2017-7-15
LISN	Rohde & Schwarz	ENV4200	100249	2017-7-15
LISN	Rohde & Schwarz	ENV216	100326	2017-7-15
ISN	Rohde & Schwarz	ENY81	100177	2017-7-15
ISN	Rohde & Schwarz	ENY81-CA6	101664	2017-7-15
High Voltage Probe	Rohde & Schwarz	TK9420(VT9420)	9420-58	2017-7-15
RF Current Probe	Rohde & Schwarz	EZ-17	100816	2017-7-15

11 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty	
Items	Extended Uncertainty
Uncertainty for Radiated Emission in 3m chamber 30MHz-1000MHz	Horizontal: 4.83dB; Vertical: 4.91dB;
Uncertainty for Radiated Emission in 3m chamber 1000MHz-18000MHz	Horizontal: 4.89dB; Vertical: 4.88dB;
Uncertainty for Conducted Emission 150kHz-30MHz (for test using AMN ENV216 or ENV4200)	3.50dB