

FCC 47 CFR PART 15 SUBPART C TEST REPORT

For

Applicant: Shenzhen Wanchuangbo Industry Development Co., Ltd.

Address: Sharehan China

Shenzhen, China

Product Name: Tablet PC

Model Name: CT1020, CT7, CT2050, CT2050X(X=A-Z)

Brand Name: iDeaUSA

FCC ID: 2AAGRCT1020-2050

Report No.: DPH131002F03

Date of Issue: October 18, 2013

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Revision History			
Issue	Date	Reason for Revision	
1.0	October 18, 2013	First edition	

1. VERIFICATION OF CONFORMITY

Tablet PC
iDeaUSA
CT1020
CT7, CT2050, CT2050X(X=A-Z)
Only the difference in model name.
2AAGRCT1020-2050
Shenzhen Wanchuangbo Industry Development Co., Ltd.
3rd Floor, No. 20, Yangmei Road, Bantian Street, Longgang,
Shenzhen, China
Shenzhen Wanchuangbo Industry Development Co., Ltd.
3rd Floor, No. 20, Yangmei Road, Bantian Street, Longgang,
Shenzhen, China
47 CFR Part 15 Subpart C
DPH131002F03
October 7, 2013- October 18, 2013
October 18, 2013
Normal
PASS

The above equipment was tested by Shenzhen Top-cert Service Co., Ltd. for compliance with the requirement set forth in FCC rules and the Technical Standards mentioned above. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment and the level of the immunity endurance of the equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.

Tested by (+ signature):

Rex Luo

Test Engineer

Approved by (+ signature):

Joe Jia

Manager

2. GENERAL INFORMATION

2.1 Product Information

Product	Tablet PC
Trade Name	iDeaUSA
Model Number	CT71020
Power Supply	DC 5V by AC/DC adapter 100-240V~50/60Hz DC 3.7V by battery
Frequency Range	2402MHz -2480MHz
Modulation Type	FHSS
Antenna Type:	Internal Fixed
Channel Spacing:	1MHz
Channel Number	79(CH Low: 2402MHz, CH Mid: 2441MHz, CH High: 2480MHz)
Temperature Range	-20°C ~ 50°C

NOTE:

1. Please refer to Appendix I for the photographs of the EUT. For a more detailed features description about the EUT, please refer to User's Manual.

2.2 OBJECTIVE

The objective of the report is to perform tests according to 47 CFR Part 15 Subpart C for the EUT FCC ID Certification:

N	No. Identity		Document Title
	1	47 CFR Part 15(10-1-05 Edition)	Radio Frequency Devices

2.3 TEST STANDARDS AND RESULTS

Test items and the results are as bellow:

No.	Section	Description	Result	Date of Test
1	15.249(a)	Spurious Emission	PASS	2013-10-17
2	15.249(a)	Band Edge	PASS	2013-10-17
3	15.207	Power Line Conducted Emission Test	PASS	2013-10-17

Note: 1. The test result judgment is decided by the limit of measurement standard

2. The information of measurement uncertainty is available upon the customer's request.

2.4 ENVIRONMENTAL CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 15-35°C - Humidity: 30-60 %

- Atmospheric pressure: 86-106 kPa

3. TEST FACILITY

3.1 TEST FACILITY

Test Site:	BZT Testing Technology Co., Ltd.		
Location:	1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.		
Description:	There is one 3m semi-anechoic an area test sites and two line conducted labs for final test. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2009 and CISPR 16 requirements.		
	The FCC Registration Number is 701733		
Site Filing:	The site description is on file with the Federal Communications		
	Commission, 7435 Oakland Mills Road, Columbia, MD 21046.		
Instrument Tolerance:	All measuring equipment is in accord with ANSI C63.4:2009 and CISPR 16 requirements that meet industry regulatory agency and accreditation agency requirement.		
Ground Plane:	Two conductive reference ground planes were used during the Line Conducted Emission, one in vertical and the other in horizontal. The dimensions of these ground planes are as below. The vertical ground plane was placed distancing 40 cm to the rear of the wooden test table on where the EUT and the support equipment were placed during test. The horizontal ground plane projected 50 cm beyond the footprint of the EUT system and distanced 80 cm to the wooden test table. For Radiated Emission Test, one horizontal conductive ground plane extended at least 1m beyond the periphery of the EUT and the largest measuring antenna, and covered the entire area between the EUT and the antenna.		

3.2 GENERAL TEST PROCEDURES

EUT Function and Test Mode

The EUT has been tested under normal operating (TX) and standby (RX) condition.

Based on client request, all normal using modes of the normal function were tested but only the worst test data of the worst mode is reported by this report.

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4:2009, Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4:2009.

3.3 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110 10.495 - 0.505 2.1735 - 2.1905 4.125 - 4.128 4.17725 - 4.17775 4.20725 - 4.20775 6.215 - 6.218 6.26775 - 6.26825 6.31175 - 6.31225 8.291 - 8.294 8.362 - 8.366 8.37625 - 8.38675 8.41425 - 8.41475 12.29 - 12.293 12.51975 - 12.52025 12.57675 - 12.57725 13.36 - 13.41	16.42 - 16.423	399.9 - 410	4.5 - 5.15
	16.69475 - 16.69525	608 - 614	5.35 - 5.46
	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
	25.5 - 25.67	1300 - 1427	8.025 - 8.5
	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
	74.8 - 75.2	1660 - 1710	10.6 - 12.7
	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
	123 - 138	2200 - 2300	14.47 - 14.5
	149.9 - 150.05	2310 - 2390	15.35 - 16.2
	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
	156.7 - 156.9	2655 - 2900	22.01 - 23.12
	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
	167.72 - 173.2	3332 - 3339	31.2 - 31.8
	240 - 285	3345.8 - 3358	36.43 - 36.5
	322 - 335.4	3600 - 4400	(²)

¹ Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

² Above 38.6

4. SETUP OF EQUIPMENT UNDER TEST

4.1 SUPPORT EQUIPMENT

Device Type	Brand	Model	Series No.	Data Cable	Power Cord
N/A	N/A	N/A	N/A	N/A	N/A

Remark:

All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4.2 TEST EQUIPMENT LIST

Instrumentation: The following list contains equipment used at Most for testing. The equipment conforms to the CISPR 16-1 / ANSI C63.2 Specifications for Electromagnetic Interference and Field Strength Instrumentation from 10 kHz to 1.0 GHz or above.

nonun	ichtation nom 10 kn2 to 1	.0 01 12 01 00000.			
No.	Equipment	Manufacturer	Model No.	S/N	Calibration due date
1	Spectrum Analyzer	Agilent	E4407B	160400005	Jul. 06. 2014
2	Test Receiver	R&S	ESPI	101318	Jul. 06. 2014
3	Bilog Antenna	TESEQ	CBL6111D	31216	Jul. 06. 2014
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	Jul. 06. 2014
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	Jul. 06. 2014
6	Horn Antenna	EM	EM-AH-20180	2011071402	Jul. 06. 2014
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	Jul. 06. 2014
8	Amplifier	EM	EM-30180	060538	Jul. 06. 2014
9	Loop Antenna	ARA	PLA-2030/B	1029	Jul. 06. 2014
10	Power Meter	R&S	NRVS	100696	Jul. 06. 2014
11	Signal Generator	R&S	SMT 06	832080/007	Jul. 31, 2014
12	Temperature & Humitidy Chamber	GIANT FORCE	GTH-056P	GF-94454-1	Jul. 22, 2014
13	Power Sensor (AV)	R&S	URV5-Z4	0395.1619.05	Feb. 09, 2014
14	EMI Test Receiver	R&S	ESCI-7	101318	Jul. 06, 2014
15	Antenna Mast	EM	SC100_1	N/A	N/A
16	Turn Table	EM	SC100	060531	N/A
				l .	

NOTE: Equipments listed above have been calibrated and are in the period of validation.

5. 47 CFR Part 15C 15.249 Requirements

5.1 SPURIOUS EMISSION TEST

5.1.1 REQUIREMENT

According to FCC section 15.249(a):

Except as provided in paragraph (a) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental (mV/m)	Field Strength of Harmonics (μV/m)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

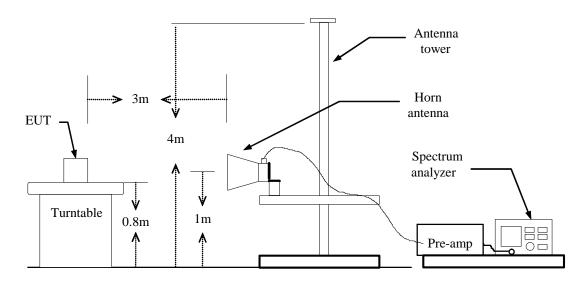
Remark: Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of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

In the above emission table, the tighter limit applies at the band edges.

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

5.1.2 TEST DESCRIPTION TEST SETUP: Antenna tower Loop antenna EUT-4m Spectrum analyzer Turntable 0.8m 1mReference Ground plane **Blow 1GHz:** Antenna tower Bi-log 3m antenna EUT 4m Spectrum analyzer Turntable 1m0.8m Reference ground plane

Above 1GHz:



5.1.3 TEST DESCRIPTION

- 1. The EUT is placed on a turntable, which is 0.8m above ground plane.
- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Set the spectrum analyzer in the following setting as:

Below 1GHz: RBW=100 kHz / VBW=300 kHz / Sweep=AUTO

Above 1GHz:(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO

(b) AVERAGE: RBW=1MHz / VBW=1MHz / Sweep=AUTO

7. Repeat above procedures until the measurements for all frequencies are complete.

5.1.4 TEST RESULT

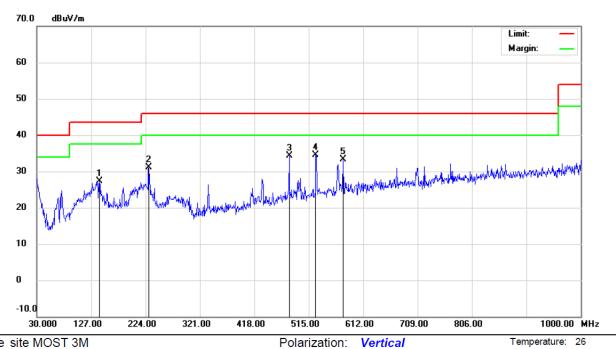
Form 9 KHz to 30MHz:

Freq.	Ant. Pol	Peak	Ant. / CL	Actual Fs	Peak	Peak
(MHz)	H/V	Reading	CF	Actual FS	Limit	Margin
		(dBuV)	(dB)	Peak	(dBuV/m)	(dB)
				(dBuV/m)		
	Н					
	Н					
	Н					
N/A						>20
	V					
	V					
	V					
N/A						>20

-Note: No test data was detected in below 30MHz.

Form 30 MHz to 1GHz:

Radiated Emission Measurement



Site site MOST 3M

Limit: FCC Part15 B 3M Radiation

EUT: Tablet PC

M/N: CT1020 Mode: BT Note:

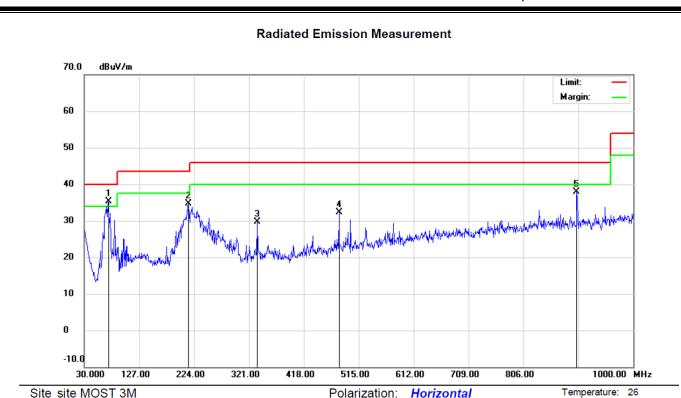
Power: AC 120V/60Hz

Distance:

Humidity:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∨	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	•	141.5500	10.29	17.11	27.40	43.50	-16.10	peak			
2	2	228.8500	14.55	16.48	31.03	46.00	-14.97	peak			
3	4	480.0800	12.70	21.70	34.40	46.00	-11.60	peak			
4	* [527.6100	12.36	22.08	34.44	46.00	-11.56	peak			
5	Ę	576.1100	10.45	22.82	33.27	46.00	-12.73	peak			

^{*:}Maximum data x:Over limit !:over margin



Site site MOST 3M

Limit: FCC Part15 B 3M Radiation

EUT: Tablet PC M/N: CT1020 Mode: BT

Note:

No. N	Λĺk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu∨	dB	dBuV/m	dBu∀/m	dB	Detector	cm	degree	Comment
1 *	*	71.7100	23.64	11.68	35.32	40.00	-4.68	peak			
2	2	214.3000	18.62	16.08	34.70	43.50	-8.80	peak			
3	3	335.5500	12.73	17.06	29.79	46.00	-16.21	peak			
4	4	180.0800	10.57	21.70	32.27	46.00	-13.73	peak			
5	Ş	900.0900	10.43	27.40	37.83	46.00	-8.17	peak			

Polarization: Horizontal

Distance:

Humidity:

61 %

Power: AC 120V/60Hz

^{*:}Maximum data x:Over limit !:over margin

Humidity:

70 % RH

Above 1 GHz

Temperature:

Operation Mode: CH Low Test Date: 2013-10-17

20°C

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actu	Actual Fs		AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
2402.00	Н	99.65	78.04	9.08	108.73	87.12	114.00	94.00	6.88
4805.00	Н	48.02	32.84	16.54	64.56	49.38	74.00	54.00	4.62
N/A									>20
2402.00	V	98.77	77.41	9.08	107.85	86.49	114.00	94.00	7.51
4805.00	V	45.65	30.73	16.54	62.19	47.27	74.00	54.00	6.73
N/A									>20

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:
 - a. Peak Setting 1GHz 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = auto.
 - b. AV Setting 1GHz- 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = *auto*.

Operation Mode: CH Mid **Test Date:** 2013-10-17

Temperature: 20°C Humidity: 70 % RH

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actu	al Fs	Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
2441.00	Н	96.12	74.64	9.31	105.43	83.95	114.00	94.00	10.05
4892.50	Н	48.19	32.74	17.09	65.28	49.83	74.00	54.00	4.17
N/A									>20
2441.00	V	97.87	76.41	9.31	107.18	85.72	114.00	94.00	8.28
4892.50	V	44.26	31.19	17.09	61.35	48.28	74.00	54.00	5.72
N/A									>20

Notes:

- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:
 - a. Peak Setting 1GHz 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = auto.
 - b. AV Setting 1GHz- 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = auto.

Operation Mode: CH High Test Date: 2013-10-17

Temperature: 20°C Humidity: 70 % RH

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actu	al Fs	Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
2480.00	Н	93.80	72.22	9.47	103.27	81.69	114.00	94.00	12.31
4960.50	Н	47.88	32.33	17.49	65.37	49.82	74.00	54.00	4.18
N/A									>20
2480.00	V	97.95	74.98	9.47	107.42	84.45	114.00	94.00	9.55
4960.50	V	46.73	30.88	17.49	64.22	48.37	74.00	54.00	5.63
N/A									>20

Notes:

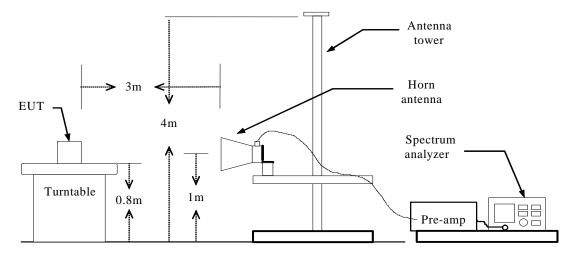
- 1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
- 2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
- 3. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 4. Spectrum setting:
 - a. Peak Setting 1GHz 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = auto.
 - b. AV Setting 1GHz- 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = auto.

5.2 BAND EDGE

5.2.1 REQUIREMENT

According to FCC section 15.249(a), in any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.2.2 TEST DESCRIPTION

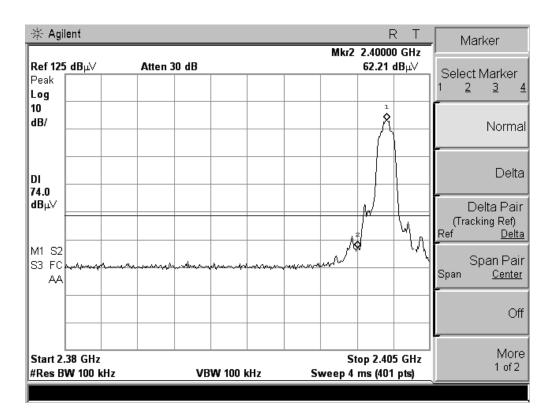


5.2.3 TEST RESULT

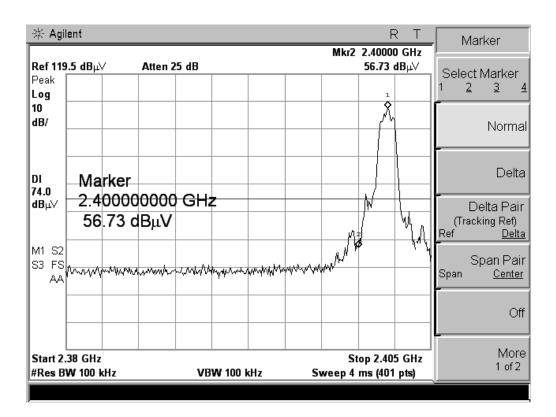
The EUT operates at hopping-off test mode. The lowest and highest channels are tested to verify the band edge emissions.

				Test Result Highest Emission (dBuv/m)				
Test Mode		Channel Marked Frequency	Limit (dBuv/m)	Vertical		Horizontal		
		,		Peak	Average	Peak	Average	
Dluotooth	Low Channel	2400MHz	74(Peak)	62.21	49.63	56.23	45.78	
Bluetooth	High Channel	2483.5MHz	54(Average)	56.73	46.32	53.35	44.18	

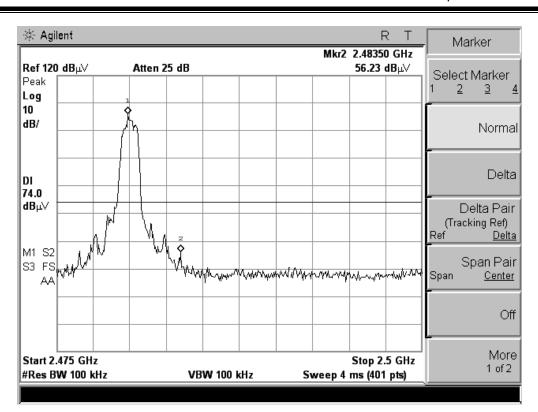
Test Plot:



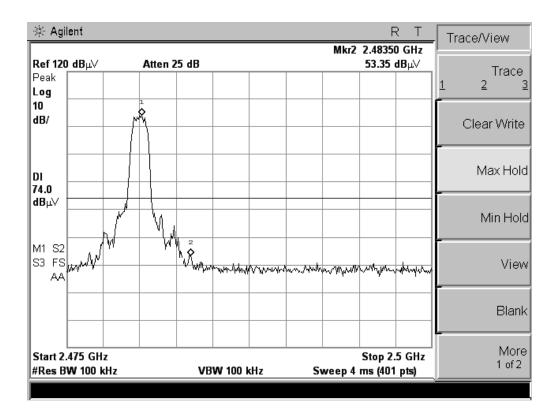
(CH Low, Vertical)



(CH Low, Horizontal)



(CH High, Vertical)



(CH High, Horizontal)

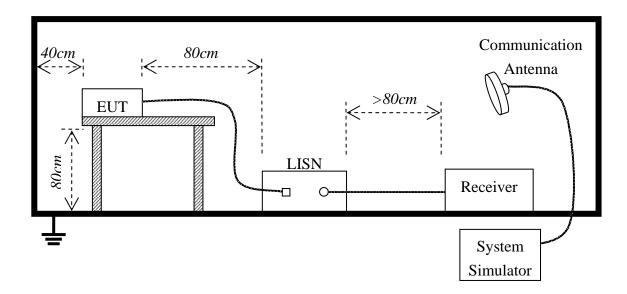
5.3 LINE CONDUCTED EMISSION TEST

5.3.1 LIMITS OF LINE CONDUCTED EMISSION TEST

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

^{**}Note: 1. the lower limit shall apply at the transition frequency.

5.3.2 BLOCK DIAGRAM OF TEST SETUP



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

5.3.3 PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

- The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per FCC Part 15 (see Test Facility for the dimensions of the ground plane used). When the EUT is floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- 2) Support equipment, if needed, was placed as per FCC Part 15.
- 3) All I/O cables were positioned to simulate typical actual usage as per FCC Part 15.
- 4) The EUT received DC 5V power by AC/DC adapter which through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5) All support equipments received power from a second LISN supplying power of AC 120V/60Hz, if any.
- 6) The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7) Analyzer / Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.
- 8) During the above scans, the emissions were maximized by cable manipulation.

5.3.4 FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

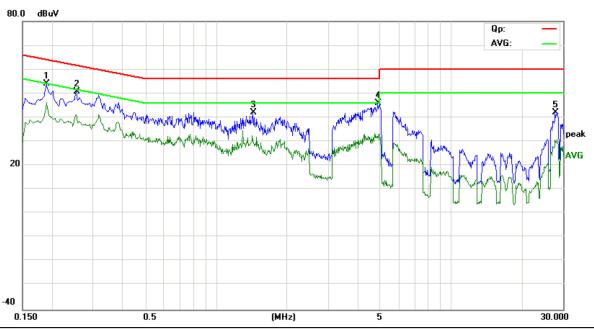
EUT and support equipment was set up on the test bench as per step 9 of the preliminary test.

A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.

The test data of the worst case condition(s) was reported on the Summary Data page.

5.3.5 TEST RESULT OF LINE CONDUCTED EMISSION TEST

Conducted Emission Measurement



Site site #1

Limit: FCC Part15 B Class B QP

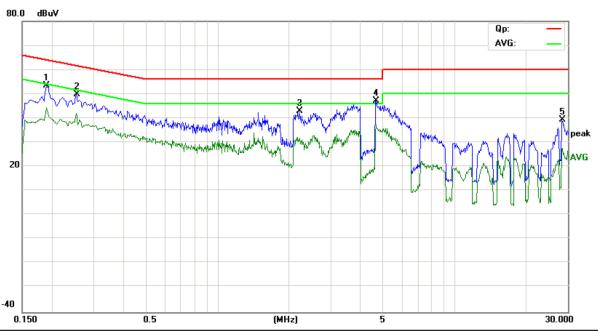
EUT: Tablet PC M/N: CT1020 Mode: BT Note: Phase: N Temperature: 26
Power: AC 120V/60Hz Humidity: 60 %

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBu∨	dB	dBu∀	dBu∀	dB	Detector	Comment
1	0.1900	42.55	11.40	53.95	64.04	-10.09	peak	
2	0.2540	39.08	11.64	50.72	61.63	-10.91	peak	
3	1.4340	32.61	9.57	42.18	56.00	-13.82	peak	
4 *	4.8820	34.17	11.88	46.05	56.00	-9.95	peak	
5	27.8540	33.09	9.00	42.09	60.00	-17.91	peak	

^{*:}Maximum data x:Over limit !:over margin

Report No.: DPH131002F03

Conducted Emission Measurement



Site site #1

Limit: FCC Part15 B Class B QP

EUT: Tablet PC M/N: CT1020 Mode: BT Note:
 Phase:
 L1
 Temperature:
 26

 Power:
 AC 120V/60Hz
 Humidity:
 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBu∨	dB	dBu∀	dBu∀	dB	Detector	Comment
1		0.1900	42.01	11.40	53.41	64.04	-10.63	peak	
2		0.2540	38.34	11.64	49.98	61.63	-11.65	peak	
3		2.2020	33.69	9.20	42.89	56.00	-13.11	peak	
4	*	4.6420	35.52	11.64	47.16	56.00	-8.84	peak	
5		28.4340	30.37	9.00	39.37	60.00	-20.63	peak	

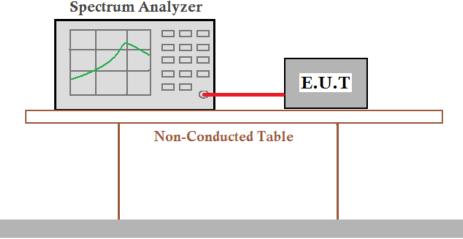
^{*:}Maximum data x:Over limit !:over margin

5.4 20dB Bandwidth

5.4.1 Definition

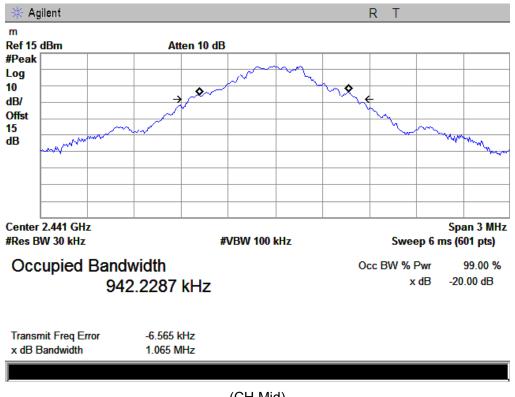
Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§ 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

5.4.2 Test Description



Ground Reference Plane

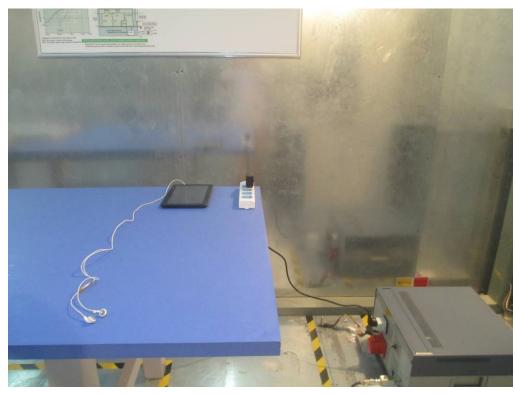
5.4.3 Test Result



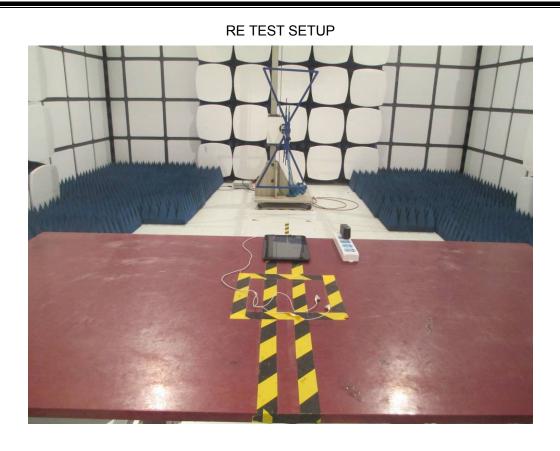
(CH Mid)

FCC ID: 2AAGRCT1020-2050		Report No.: DPH131002F03
	APPENDIX 1 PHOTOGRAPHS OF TEST SETUP	Toport No.: Di moloczi co











FRONT VIEW OF SAMPLE



RIGHT VIEW OF SAMPLE











PHOTO OF BATTERY



INTERNAL PHOTO OF SAMPLE - 1



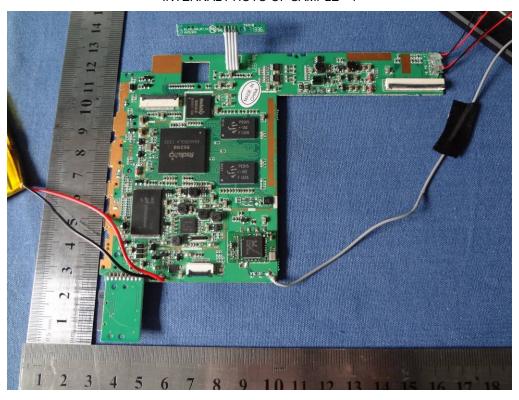
INTERNAL PHOTO OF SAMPLE -2



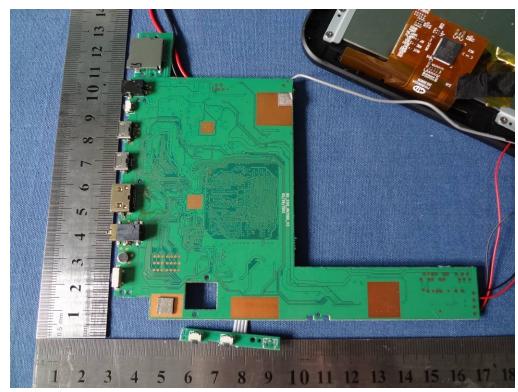
INTERNAL PHOTO OF SAMPLE - 3



INTERNAL PHOTO OF SAMPLE - 4







INTERNAL PHOTO OF SAMPLE - 6



-----END OF REPORT-----