Prüfbericht-Nr.: *Test Report No.:*	**50050527 005**	**Auftrags-Nr.:** *Order No.:*	164067041	Seite 1 von 21 *Page 1 of 21*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date:*	23.06.2016	
Auftraggeber: *Client:*	GIEC TECHNOLOGY (HONG KONG) CO., LTD. Unit 7, 22/F., Billion Trade Centre, 31 Hung To Road, Kwun Tong, Hongkong			
Prüfgegenstand: *Test item:*	11.6" windows tablet			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	NS-P11W7100, NS-P11W7100-C, NS-P11xxxxxxxxx (x=0-9, A-Z, a-z, -or blank, for market purpose only)			
Auftrags-Inhalt: *Order content:*	FCC/IC Certification			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109 ICES-003 Issue 6 January 2016			
Wareneingangsdatum: *Date of receipt:*	29.06.2016			
Prüfmuster-Nr.: *Test sample No.:*	A000381248-009			
Prüfzeitraum: *Testing period:*	19.07.2016 - 23.07.2016			
Ort der Prüfung: *Place of testing:*	Audix Technology (Shenzhen) Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			

geprüft von / *tested by:*			**kontrolliert von** / *reviewed by:*		
26.05.2015	Owen Tian/Senior Project Manager		26.05.2015	Winnie Hou/Technical Certifier	
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other:* FCC ID: 2AIB2-P11W7100
IC: 21456-P11W7100

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged*

* Legende:	1 = sehr gut	2 = gut	3 = befriedigend	4 = ausreichend	5 = mangelhaft
	P(ass) = entspricht o.g. Prüfgrundlage(n)		F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
Legend:	*1 = very good*	*2 = good*	*3 = satisfactory*	*4 = sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

TEST SUMMARY

5.1.1 CONDUCTED EMISSIONS

RESULT: Pass

5.2.1 RADIATED EMISSION

RESULT: Pass

CONTENTS

1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Audix Technology (Shenzhen) Co., Ltd.

FCC Registration No.: R-3552)
(Test site Industry Canada No.: 5183A-1)

No.6, Ke Feng Road, Block 52, Shenzhen Science & Industy Park,
Nanshan, Shenzhen, Guangdong, China (518057)

The tests at the test site have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Radiated Emissions (below 1GHz)				
3#Chamber	AUDIX	N/A	N/A	Mar. 28, 17
EMI Spectrum	Agilent	E4407B	MY41440292	Apr. 24, 17
Test Receiver	Rohde & Schwarz	ESVS10	834468/011	Apr. 24, 17
Amplifier	HP	8447D	2648A04738	Apr. 24, 17
Bi-log Antenna	TESEQ	CBL6111C	2598	Jun. 03,17
RF Cable	MIYAZAKI	CFD400-NW(3.5M)	No.3	Apr. 24, 17
RF Cable	MIYAZAKI	CFD400-LW(22M)	No.7	Apr. 24, 17
Coaxial Switch	Anritsu	MP59B	6201397222	Apr. 23, 17
Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A
Radiated Emissions (above 1GHz)				
3#Chamber	AUDIX	N/A	N/A	Mar. 28, 17
Spectrum Analyzer	Agilent	E4446A	US44300459	Apr. 24, 17
Horn Antenna	ETS	3115	9510-4877	Oct. 15, 16
Amplifier	Agilent	8449B	3008A02495	Apr. 24, 17
RF Cable	Hubersuhner	SUCOFLEX104	274094/4	Apr. 24, 17
Horn Antenna	ETS	3116	00060089	Oct. 15, 16
Test Software	AUDIX	e3	6.2009-5-21a(n)	N/A
Conducted Emissions				
1# Shielding Room	AUDIX	N/A	N/A	Apr. 17, 17
Test Receiver	Rohde & Schwarz	ESCI	100842	Apr. 24, 17
L.I.S.N.#1	Rohde & Schwarz	ESH2-Z5	100429	Oct. 18, 16
L.I.S.N.#2	Kyoritsu	K NW-403D	8-1750-2	Apr. 24, 17
Terminator	Hubersuhner	50Ω	No.1	May. 05, 17
Terminator	Hubersuhner	50Ω	No.2	May. 05, 17
RF Cable	MIYAZAKI	3D-2W	No.1	Apr. 24, 17
Coaxial Switch	Anritsu	MP59B	6200766906	Apr. 23, 17
Test Software	AUDIX	e3	6.100913a	N/A

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

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

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Conducted Emissions Test	±2.0dB
Radiated Emission Test	±2.0dB
Temperature	±0.5℃
Humidity	±3%

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Audix Technology (Shenzhen) Co., Ltd. test facility located at No.6, Ke Feng Road, Block 52, Shenzhen Science & Industy Park, Nanshan, Shenzhen, Guangdong, China (518057) is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

2.8 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

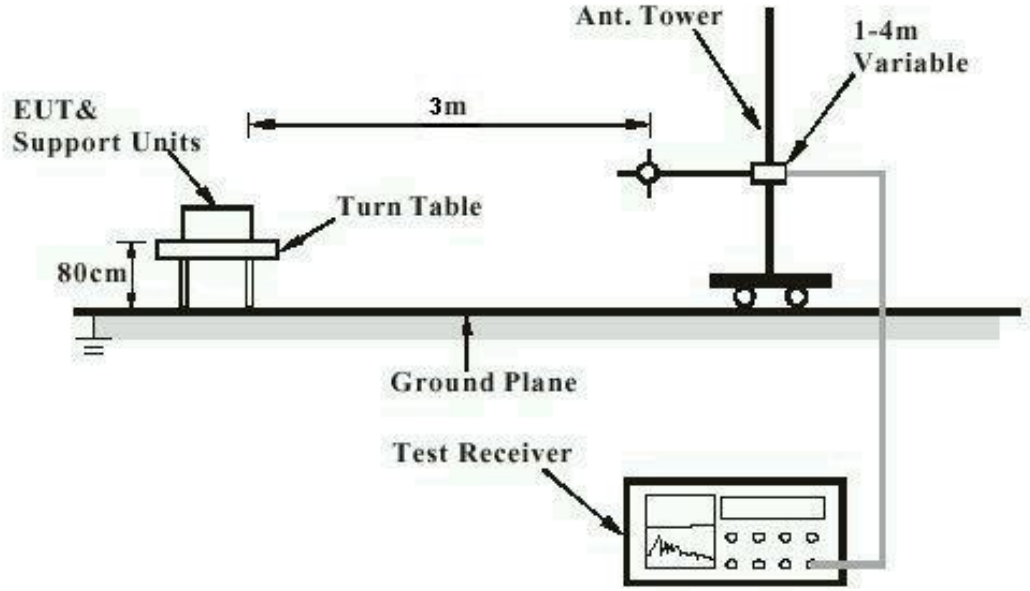
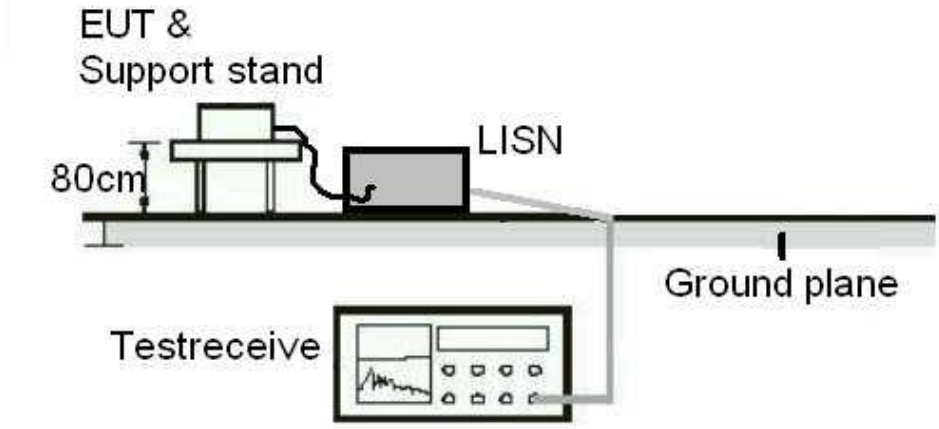


Diagram of Measurement Equipment Configuration for Conduction Measurement



3. General Product Information

3.1 Product Function and Intended Use

The EUTs are 11.6'' windows tablet with Wi-Fi, Bluetooth function.
These models are identical except the model name.
The EUTs have two antennas, two antennas cannot transmitter simultaneously.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	11.6" windows tablet
Type Designation	NS-P11W7100, NS-P11W7100-C, NS-P11xxxxxxxxx (x=0-9, A-Z, a-z, -or blank, for market purpose only)
FCC ID	2AIB2-P11W7100
IC	21456-P11W7100
Extreme Temperature Range	0~+40℃
Operation Voltage	DC 3.7V (via built in battery)
	DC 5V (via AC/DC adapter)

3.3 Independent Operation Modes

The basic operation modes are:

A. On, with charging
    1. Recording mode
    2. Playing mode
B. Standby
C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- Constructional Drawing
- PCB Layout
- Photo Document
- Circuit Diagram
- Instruction Manual
- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level.
The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2014.
According to clause 3.1, all tests were applied on model NS-P11W7100 only.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	Rating
AC/DC Adapter	Shenzhen Sunun Power Technology CO., LTD	SA49-050300U	Input: AC 100-240V, 50/60Hz, 0.4A Output: DC 5V, 3A

The EUT was tested with following cables:

Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
AC Mains of adapter	2 cores, non-shielded port, 3m	AC Power Input
Micro USB port	4 cores, non-shielded port, 3m	DC Power Input
Earphone port	2 cores, non-shielded port, 3m	Audio Output
Microphone	2 cores, non-shielded port, 3m	Audio Input
MicroSD card slot	---	---

4.4 Countermeasures to Achieve ERM Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF). No additional measures were employed to achieve compliance.

5. Test Results EMISSION

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Conducted emissions

RESULT: **Pass**

Date of testing	:	2016-07-23
Test standard	:	FCC Part 15.107 (a) ICES-003 Issue 6 January 2016
Basic standard	:	ANSI C63.4: 2014
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.107(a) ICES-003 Issue 6 January 2016
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A
Earthing	:	Not Connected
Ambient temperature	:	24.2℃
Relative humidity	:	53%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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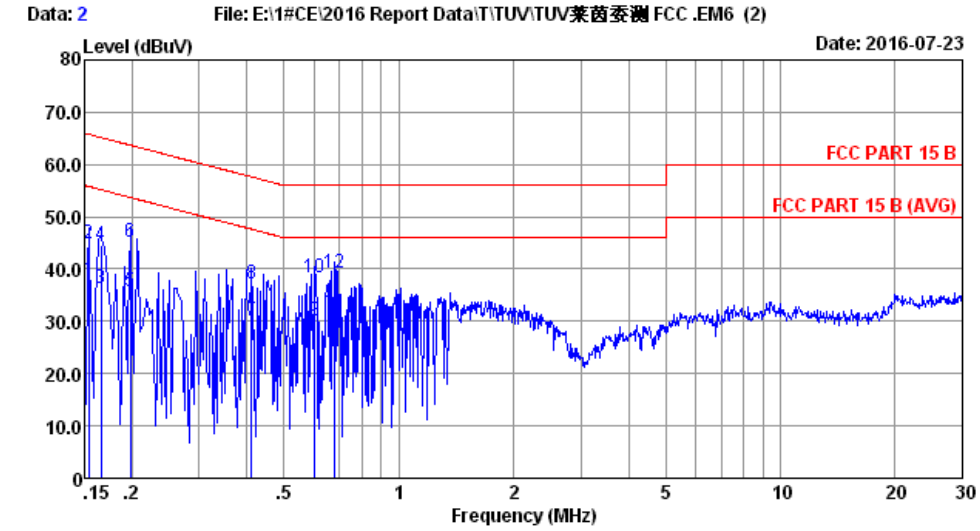
Postcode:518057



Site no :1# Conduction Data No :2
Dis./Lisn :2015 ESH2-Z5 LINE LISN phase:
Limit :FCC PART 15 B
Env./Ins. :24.2*C/53% Engineer :Evan
EUT :11.6" windows tablet M/N:NS-P11W7100
Power Rating :DC 5V From Adapter Input AC 120V/60Hz
Test Mode :Running Burnin Test V7.0

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.154	0.12	0.02	37.50	37.64	55.78	18.14	Average
2	0.154	0.12	0.02	44.59	44.73	65.78	21.05	QP
3	0.166	0.12	0.02	36.20	36.34	55.16	18.82	Average
4	0.166	0.12	0.02	44.42	44.56	65.16	20.60	QP
5	0.198	0.12	0.02	35.50	35.64	53.71	18.07	Average
6	0.198	0.12	0.02	44.95	45.09	63.71	18.62	QP
7	0.410	0.72	0.03	29.29	30.04	47.64	17.60	Average
8	0.410	0.72	0.03	36.31	37.06	57.64	20.58	QP
9	0.601	0.14	0.04	29.90	30.08	46.00	15.92	Average
10	0.601	0.14	0.04	38.31	38.49	56.00	17.51	QP
11	0.679	0.15	0.04	31.50	31.69	46.00	14.31	Average
12	0.679	0.15	0.04	39.09	39.28	56.00	16.72	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

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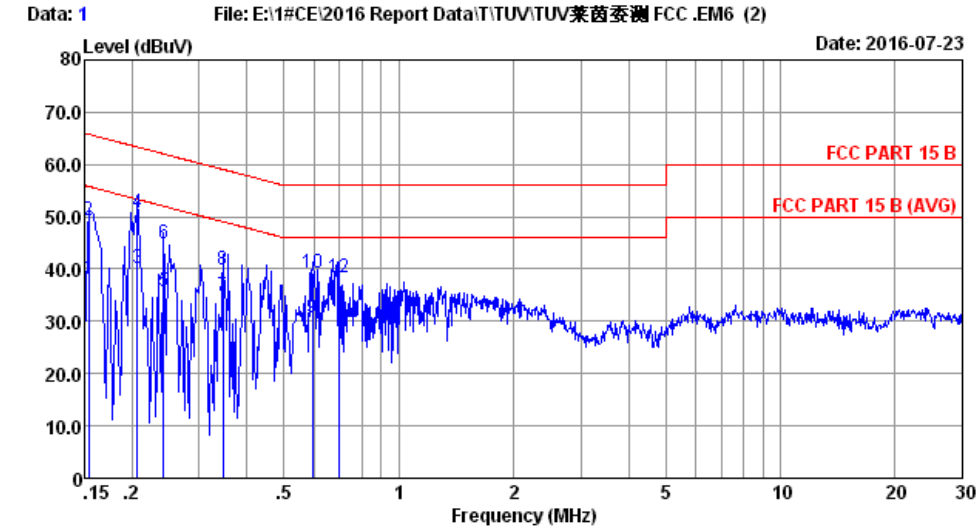

Site no :1# Conduction Data No :1
Dis./Lisn :2015 ESH2-Z5 NEUTRAL LISN phase:
Limit :FCC PART 15 B
Env./Ins. :24.2*C/53% Engineer :Evan
EUT :11.6" windows tablet M/N:NS-P11W7100
Power Rating :DC 5V From Adapter Input AC 120V/60Hz
Test Mode :Running Burnin Test V7.0

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.154	0.12	0.02	37.80	37.94	55.78	17.84	Average
2	0.154	0.12	0.02	49.23	49.37	65.78	16.41	QP
3	0.206	0.12	0.02	39.90	40.04	53.36	13.32	Average
4	0.206	0.12	0.02	50.64	50.78	63.36	12.58	QP
5	0.242	0.13	0.02	35.60	35.75	52.04	16.29	Average
6	0.242	0.13	0.02	44.76	44.91	62.04	17.13	QP
7	0.346	0.13	0.02	34.70	34.85	49.05	14.20	Average
8	0.346	0.13	0.02	39.62	39.77	59.05	19.28	QP
9	0.595	0.15	0.04	30.40	30.59	46.00	15.41	Average
10	0.595	0.15	0.04	38.99	39.18	56.00	16.82	QP
11	0.697	0.15	0.04	32.10	32.29	46.00	13.71	Average
12	0.697	0.15	0.04	38.14	38.33	56.00	17.67	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss+Reading.
2.If the average limit is met when using a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

5.2 Emission in the Frequency Range above 30 MHz

5.2.1 Radiated Emission

RESULT: **Pass**

Date of testing	:	2016-07-19
Test standard	:	FCC Part 15.109 (a) ICES-003 Issue 6 January 2016
Test procedure	:	ANSI C63.4: 2014
Frequency range	:	30 - 18000MHz
Equipment Classification	:	Class B
Limits	:	FCC Part 15.109(a) ICES-003 Issue 6 January 2016
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation mode	:	A
Earthing	:	Not connected
Ambient temperature	:	21.1℃
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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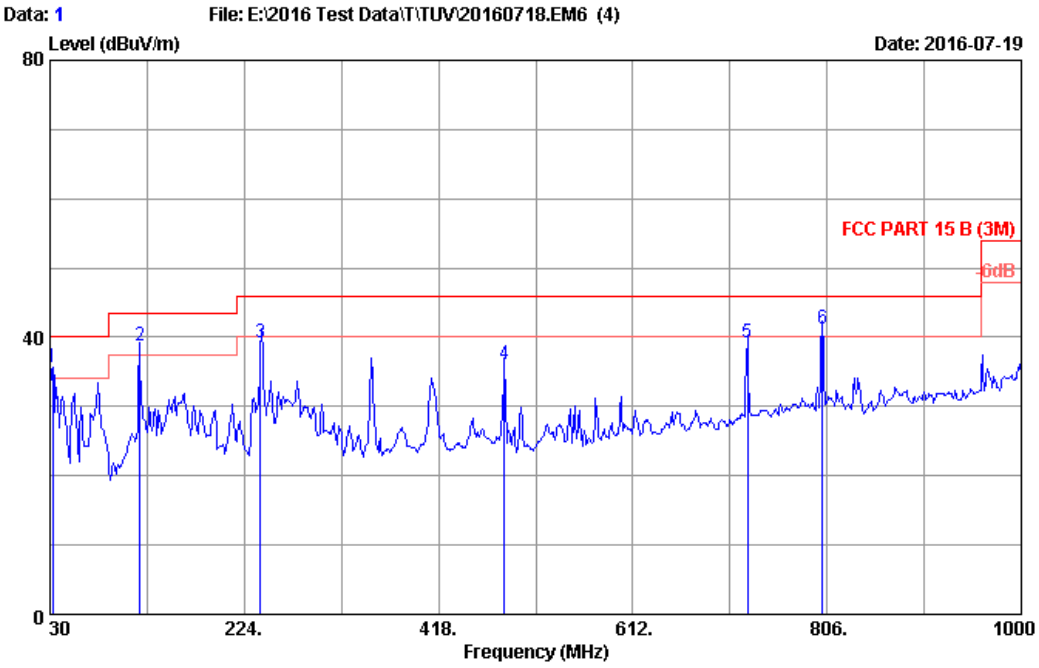
Postcode:518057



Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m 2016 6111C 2598 Ant. pol. : VERTICAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 21.1*C/50% Engineer : Lynn
EUT : 11.6" windows tablet M/N:NS-P11W7100
Power rating : DC 5V From Adapter Input AC 120V/60Hz
Test Mode : Running Burnin Test V7.0

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	32.910	17.20	0.72	17.71	35.63	40.00	4.37	QP
2	120.036	11.40	1.36	26.10	38.86	43.50	4.64	QP
3	240.000	11.20	2.13	26.00	39.33	46.00	6.67	QP
4	483.960	17.52	3.14	15.39	36.05	46.00	9.95	QP
5	726.460	20.99	4.31	13.93	39.23	46.00	6.77	QP
6	801.150	21.81	4.76	14.74	41.31	46.00	4.69	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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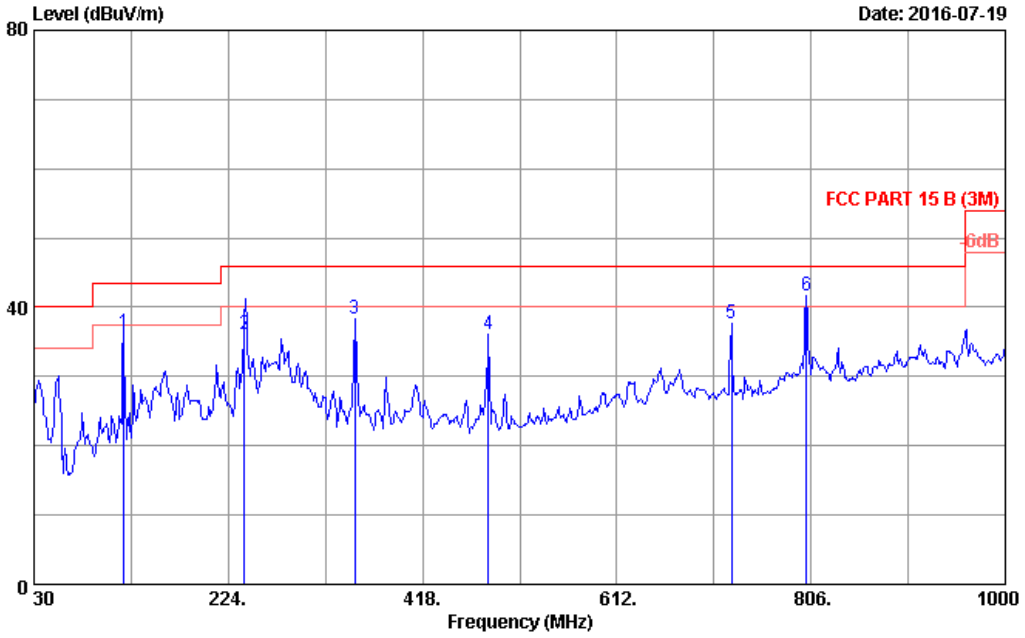
Data: 2 File: E:\2016 Test Data\T\TUV\20160718.EM6 (4)



Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 2016 6111C 2598 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B (3M)
Env. / Ins. : 21.1*C/50% Engineer : Lynn
EUT : 11.6" windows tablet M/N:NS-P11W7100
Power rating : DC 5V From Adapter Input AC 120V/60Hz
Test Mode : Running Burnin Test V7.0

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	120.012	11.40	1.36	23.46	36.22	43.50	7.28	QP
2	240.000	11.20	2.13	22.70	36.03	46.00	9.97	QP
3	350.100	14.36	2.64	21.39	38.39	46.00	7.61	QP
4	483.960	17.52	3.14	15.34	36.00	46.00	10.00	QP
5	726.460	20.99	4.31	12.27	37.57	46.00	8.43	QP
6	801.150	21.81	4.76	15.01	41.58	46.00	4.42	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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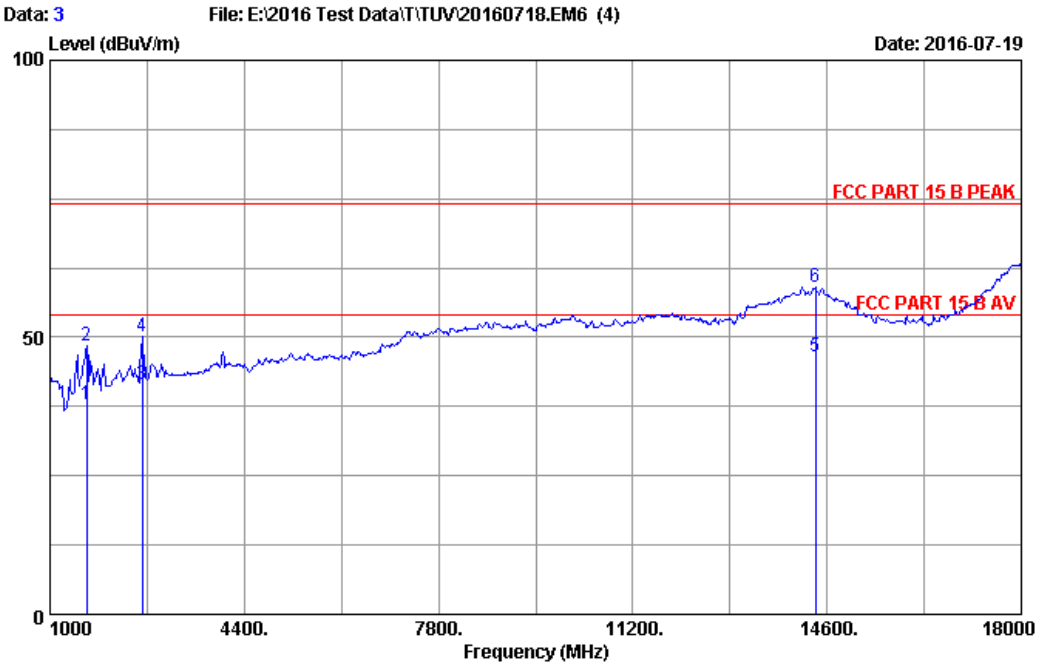

Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 2015 3115-4580 Ant. pol. : VERTICAL
Limit : FCC PART 15 B PEAK
Env. / Ins. : 21.1*C/50% Engineer : Lynn
EUT : 11.6" windows tablet M/N:NS-P11W7100
Power rating : DC 5V From Adapter Input AC 120V/60Hz
Test Mode : Running Burnin Test V7.0

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1646.25	26.53	2.17	35.19	44.50	38.01	54.00	15.99	Average
2	1646.25	26.53	2.17	35.19	55.05	48.56	74.00	25.44	Peak
3	2615.33	28.65	2.91	33.89	43.89	41.56	54.00	12.44	Average
4	2615.33	28.65	2.91	33.89	52.39	50.06	74.00	23.94	Peak
5	14396.54	42.47	6.63	34.50	31.80	46.40	54.00	7.60	Average
6	14396.54	42.47	6.63	34.50	44.46	59.06	74.00	14.94	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp factor.
2. The emission levels that are 20dB below the official
limit are not reported.

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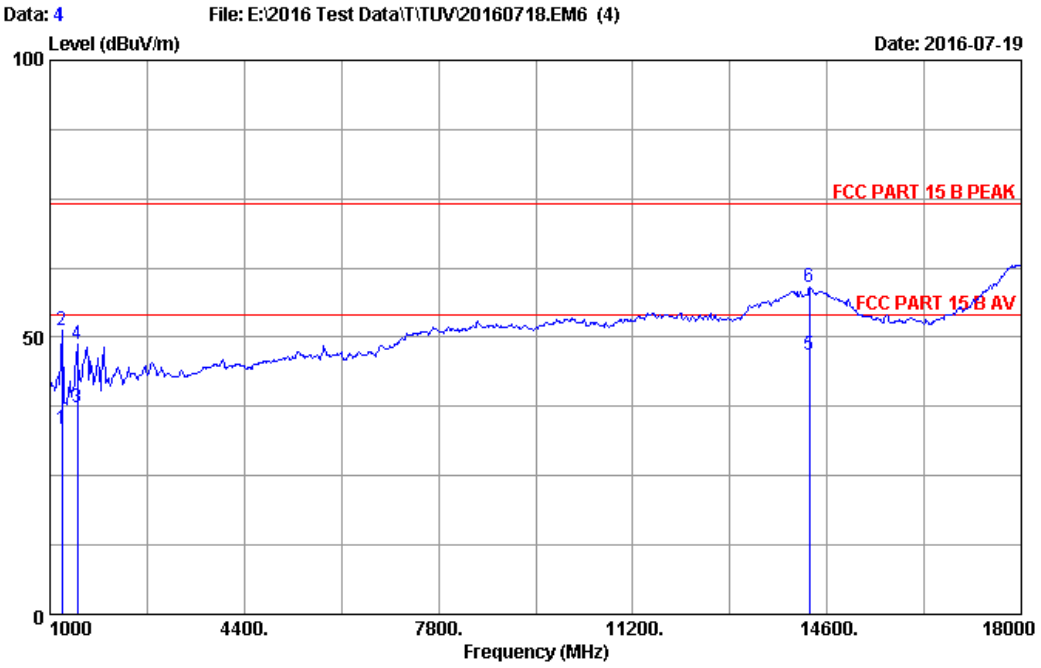

Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 2015 3115-4580 Ant. pol. : HORIZONTAL
Limit : FCC PART 15 B PEAK
Env. / Ins. : 21.1*C/50% Engineer : Lynn
EUT : 11.6" windows tablet M/N:NS-P11W7100
Power rating : DC 5V From Adapter Input AC 120V/60Hz
Test Mode : Running Burnin Test V7.0

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Amp factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1204.25	25.49	1.82	36.43	42.60	33.48	54.00	20.52	Average
2	1204.25	25.49	1.82	36.43	60.30	51.18	74.00	22.82	Peak
3	1476.35	25.88	2.04	35.67	45.20	37.45	54.00	16.55	Average
4	1476.35	25.88	2.04	35.67	56.37	48.62	74.00	25.38	Peak
5	14294.12	42.24	6.62	34.50	32.50	46.86	54.00	7.14	Average
6	14294.12	42.24	6.62	34.50	44.70	59.06	74.00	14.94	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
-Amp factor.
2. The emission levels that are 20dB below the official
limit are not reported.

7. List of Tables

8. List of Photographs