

Prüfbericht-Nr.: Test Report No.:	50094373 001	Auftrags-Nr.: Order No.:	164090912	Seite 1 von 107 Page 1 of 107
Kunden-Referenz-Nr.: Client Reference No.:	N/A	Auftragsdatum: Order date:	17.04.2017	
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" Android tablet			
Bezeichnung / Typ-Nr.: Identification / Type No.:	NS-P11A8100, NS-P11A8100-C, NS-P11XXXXXXXXXX (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 C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 RSS-247 Issue 2 February 2017 RSS-Gen Issue 4 November 2014			
Wareneingangsdatum: Date of receipt:	29.04.2017			
Prüfmuster-Nr.: Test sample No.:	A000575755-001, A000575755-002, A000575755-003			
Prüfzeitraum: Testing period:	06.05.2017 - 14.06.2017			
Ort der Prüfung: Place of testing:	Shenzhen EMTEK Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
03-07-2017	Andy Yan/Project Manager	03-07-2017	Owen Tian/Technical Certifier	
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position
Sonstiges / Other:		FCC ID: 2AIB2-P11A8100 IC: 21456-P11A8100 HVIN: NS-P11A8100-C		
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	4 = ausreichend N/A = nicht anwendbar
Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(ail) = failed a.m. test specification(s)	3 = satisfactory F(ail) = failed a.m. test specification(s)	4 = sufficient N/A = not applicable
5 = mangelhaft N/T = nicht getestet				
5 = poor N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				

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TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 PEAK OUTPUT POWER

RESULT: Pass

5.1.3 20dB BANDWIDTH AND 99% BANDWIDTH

RESULT: Pass

5.1.4 6dB BANDWIDTH AND 99% BANDWIDTH

RESULT: Pass

5.1.5 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHz BANDWIDTH

RESULT: Pass

5.1.6 POWER SPECTRAL DENSITY

RESULT: Pass

5.1.7 SPURIOUS EMISSION

RESULT: Pass

5.1.8 FREQUENCY SEPARATION

RESULT: Pass

5.1.9 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.10 TIME OF OCCUPANCY

RESULT: Pass

5.1.11 CONDUCTED EMISSIONS

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Shenzhen EMTEK Co., Ltd.

(FCC Registration No.: 709623)

(Test site Industry Canada No.: 4480A-2)

Bldg 69, Majialong Industry Zone, Nanshan District,
Shenzhen, Guangdong, P.R. China

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
Transmitter spurious emissions				
EMI Test Receiver	Rohde & Schwarz	ESCI	101414	2018-05-19
Pre-Amplifier	LUNAR-EM	LNA30M3G-25	J10100000071	2018-05-19
Bilog Antenna	Schwarzbeck	VULB9163	660	2018-05-20
Cable	H+B	NmSm-05-C15052	N/A	2018-05-20
Cable	H+B	NmSm-2-C15201	N/A	2018-05-20
Cable	H+B	NmNm-7-C15702	N/A	2018-05-20
EMI Test Receiver	Rohde & Schwarz	FSV40	132.1-3008K39-100967-AP	2018-05-19
Pre-Amplifier	Lunar EM	LNA1G18-48	J1011131010001	2018-05-19
Horn Antenna	Schwarzbeck	BBHA 9120	1178	2018-05-20
Cable	H+B	SAC-40G-1	414	2018-05-20
Cable	H+B	SUCOFLEX104	MY14871/4	2018-05-20
Cable	H+B	BLU18A-NmSm-6500	D8501	2018-05-20
Pre-Amplifier	Lunar EM	LNA18G26-40	J1012131010001	2018-05-20
Horn Antenna	Schwarzbeck	BBHA 9170	RS1307229170547	2018-05-20
Cable	A.H	SAC-40G-1	414	2018-05-20
Cable	A.H	SAC-40G-1	413	2018-05-20
Band reject Filter(50dB)	WI/DE	WRCGV-2400(2400-2485MHz)	2	2018-05-20
Band reject Filter(60dB)	WI/DE	WRCJV-5700(5725-5825MHz)	3	2018-05-20
Radio Spectrum Test				
EMI Test Receiver	Rohde & Schwarz	ESCI	101045	2018-05-16
Vector Signal Generator	Agilent	N5182B	My53050553	2018-05-28
Analog Signal Generator	Agilent	N5171B	My53050878	2018-05-28
Signal Analyzer	Agilent	N9010A	My53470879	2018-05-28
Power Meter	Agilent	PS-X10-100	N/A	2018-05-28
Temp. / Humidity Chamber	Kingson	THS-M1	242	2018-05-28
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCI	26115-010-0027	2018-05-19
L.I.S.N.	Rohde & Schwarz	ENV216	101161	2018-05-19
50Ω Coaxial Switch	Anritsu	MP59B	6100175589	2018-05-20
Voltage Probe	Rohde & Schwarz	ESH2-Z3	100122	2018-05-20

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 basis using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$
Maximum Peak Output Power Test	$\pm 1.0\text{dB}$
Conducted Emissions Test	$\pm 2.0\text{dB}$
Radiated Emission Test	$\pm 2.0\text{dB}$
Power Density	$\pm 2.0\text{dB}$
Occupied Bandwidth Test	$\pm 1.0\text{dB}$
Band Edge Test	$\pm 3\text{dB}$
All emission, radiated	$\pm 3\text{dB}$
Antenna Port Emission	$\pm 3\text{dB}$
Temperature	$\pm 0.5^\circ\text{C}$
Humidity	$\pm 3\%$

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.

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2.7 Status of Facility Used for Testing

Shenzhen EMTEK Co., Ltd. test facility located at Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUTs are 11.6" Android tablet with Wi-Fi, Bluetooth function.
 All models are identical except the model number, brand or color.
 For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of Bluetooth (BDR & EDR mode)

Technical Specification	Value
Kind of Equipment	11.6" Android tablet
Type Designation	NS-P11A8100, NS-P11A8100-C, NS-P11XXXXXXXXXX (x=0-9, A-Z, a-z, - or blank, for market purpose only)
FCC ID	2AIB2-P11A8100
IC	21456-P11A8100
HVIN	NS-P11A8100-C
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	0~+40°C
Operation Voltage	DC 3.7V (via built in battery)
	DC 5V (via AC/DC adapter)
Modulation	FHSS, GFSK, 8DPSK, $\pi/4$ DQPSK
Bluetooth version	4.0, Dual Mode
Antenna Gain	2.1dBi

Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	21	2423.00	42	2444.00	63	2465.00
1	2403.00	22	2424.00	43	2445.00	64	2466.00
2	2404.00	23	2425.00	44	2446.00	65	2467.00
3	2405.00	24	2426.00	45	2447.00	66	2468.00
4	2406.00	25	2427.00	46	2448.00	67	2469.00
5	2407.00	26	2428.00	47	2449.00	68	2470.00
6	2408.00	27	2429.00	48	2450.00	69	2471.00
7	2409.00	28	2430.00	49	2451.00	70	2472.00
8	2410.00	29	2431.00	50	2452.00	71	2473.00
9	2411.00	30	2432.00	51	2453.00	72	2474.00

10	2412.00	31	2433.00	52	2454.00	73	2475.00
11	2413.00	32	2434.00	53	2455.00	74	2476.00
12	2414.00	33	2435.00	54	2456.00	75	2477.00
13	2415.00	34	2436.00	55	2457.00	76	2478.00
14	2416.00	35	2437.00	56	2458.00	77	2479.00
15	2417.00	36	2438.00	57	2459.00	78	2480.00
16	2418.00	37	2439.00	58	2460.00		
17	2419.00	38	2440.00	59	2461.00		
18	2420.00	39	2441.00	60	2462.00		
19	2421.00	40	2442.00	61	2463.00		
20	2422.00	41	2443.00	62	2464.00		

Table 5: Technical Specification of Bluetooth (Low Energy mode)

Technical Specification	Value
Kind of Equipment	11.6" Android tablet
Type Designation	NS-P11A8100, NS-P11A8100-C, NS-P11XXXXXXXXXX (x=0-9, A-Z, a-z, - or blank, for market purpose only)
FCC ID	2AIB2-P11A8100
IC	21456-P11A8100
HVIN	NS-P11A8100-C
Operating Frequency band	2402 – 2480MHz
Channel separation	2MHz
Extreme Temperature Range	0~+40°C
Operation Voltage	DC 3.7V (via built in battery)
	DC 5V (via AC/DC adapter)
Modulation	GFSK
Bluetooth version	4.0, Dual Mode
Antenna Gain	2.1dBi

Table 6: RF channel and frequency of Bluetooth (Low Energy mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	11	2424.00	22	2446.00	33	2468.00
1	2404.00	12	2426.00	23	2448.00	34	2470.00
2	2406.00	13	2428.00	24	2450.00	35	2472.00
3	2408.00	14	2430.00	25	2452.00	36	2474.00
4	2410.00	15	2432.00	26	2454.00	37	2476.00
5	2412.00	16	2434.00	27	2456.00	38	2478.00
6	2414.00	17	2436.00	28	2458.00	39	2480.00
7	2416.00	18	2438.00	29	2460.00		
8	2418.00	19	2440.00	30	2462.00		
9	2420.00	20	2442.00	31	2464.00		
10	2422.00	21	2444.00	32	2466.00		

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth mode (BDR & EDR mode)
 - a. Transmitting
 - i. Low Channel
 - ii. Middle Channel
 - iii. High Channel
 - b. Transmitting, hopping mode
 - c. Receiving
 - 2. Bluetooth mode (Low Energy mode)
 - a. Transmitting
 - i. Low Channel
 - ii. Middle Channel
 - iii. High Channel
 - b. Receiving
- B. Standby
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- | | |
|--------------------|----------------------|
| - Bill of Material | - Circuit Diagram |
| - PCB Layout | - Instruction Manual |
| - Photo Document | - 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 C63.10: 2013.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	Rating
AC/DC Adapter	Dongguan Wahhing Electrical Appliance CO.,Ltd.	PS01111A	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

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test of below 1GHz

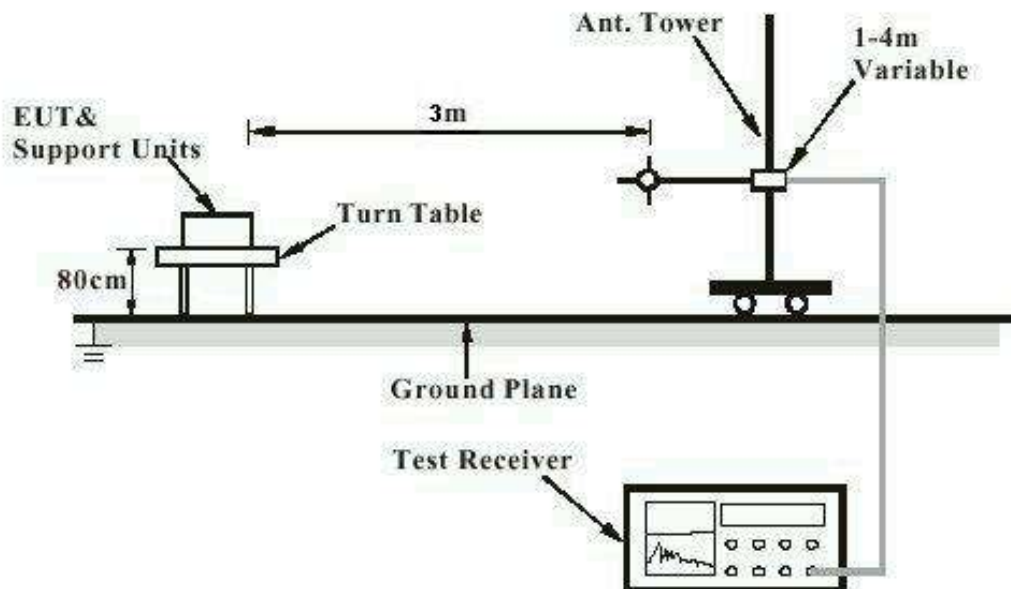


Diagram of Measurement Configuration for Radiation Test of above 1GHz

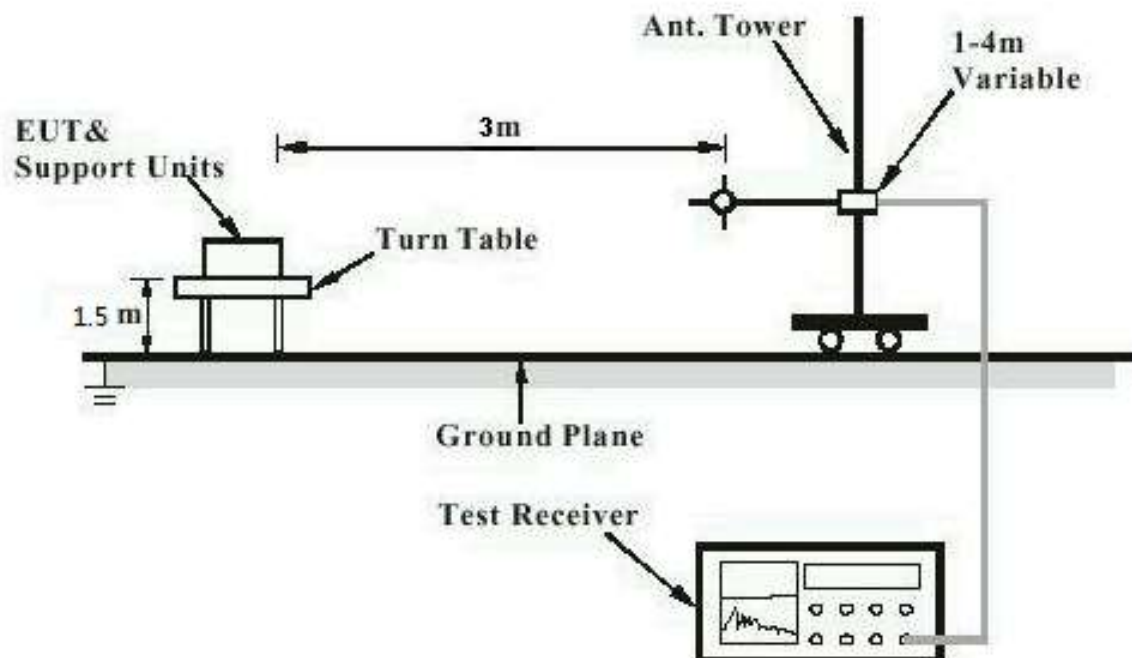


Diagram of Measurement Equipment Configuration for Conduction Measurement

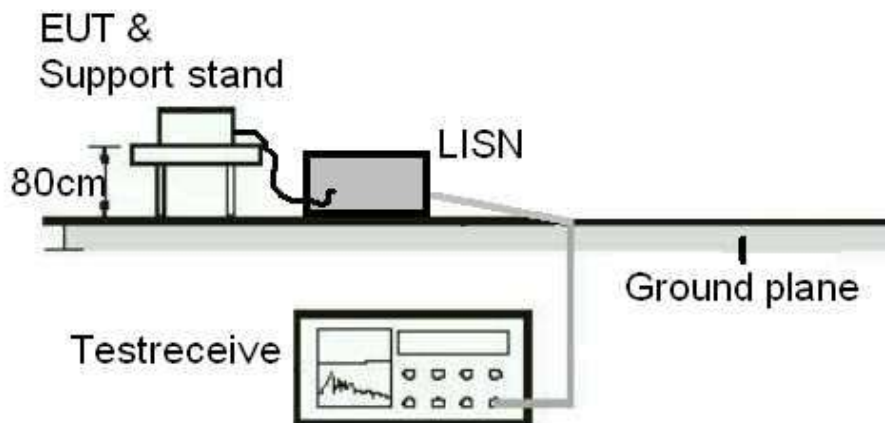
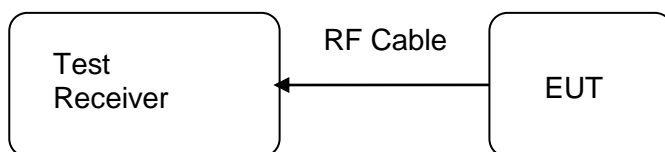


Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass**

Test standard	:	Part 15.203 RSS-Gen Clause 8.3
Limit		The use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 2.1dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Peak Output Power

RESULT:

Pass

Test date	:	2017-05-19
Test standard	:	FCC Part 15.247(b)(1) FCC Part 15.247(b)(3) RSS-247 clause 5.4(2) RSS-247 clause 5.4(4)
Basic standard	:	ANSI C63.10: 2013 Clause 9.1 of KDB 558074 v03r03
Limit	:	1W
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a, A.2.a
Ambient temperature	:	24°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

Table 7: Test result of Peak Output Power of Buletooth (BDR mode)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	2.736	30
Middle Channel	2441	3.533	30
High Channel	2480	2.254	30

Table 8: Test result of Peak Output Power of Bluetooth (EDR mode)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	2.187	30
Middle Channel	2441	2.848	30
High Channel	2480	1.534	30

Table 9: Test result of Peak Output Power of Bluetooth (Low Energy mode)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	-2.566	30
Middle Channel	2440	-2.866	30
High Channel	2480	-3.387	30

5.1.3 20dB Bandwidth and 99% Bandwidth

RESULT:

Pass

Date of testing	:	2017-05-19
Test standard	:	FCC Part 15.247(a)(1) RSS-247 clause 5.1(2) RSS-Gen clause 6.6
Basic standard	:	ANSI C63.10: 2013 Clause 8 of KDB 558074 v03r03
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	24°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

Table 10: Test result of 20dB & 99% Bandwidth of BDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	936	848
Mid Channel	2441	935	846
High Channel	2480	933	843

Table 11: Test result of 20dB & 99% Bandwidth of EDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1266	1163
Mid Channel	2441	1265	1159
High Channel	2480	1264	1157

5.1.4 6dB Bandwidth and 99% Bandwidth**RESULT:****Pass**

Date of testing : 2017-05-19
Test standard : FCC Part 15.247(a)(2)
RSS-247 clause 5.2(1)
RSS-Gen clause 6.6
Basic standard : ANSI C63.10: 2013
Clause 8 of KDB 558074 v03r03
Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.2.a
Ambient temperature : 24°C
Relative humidity : 50%
Atmospheric pressure : 101kPa

Table 12: Test result of 6dB & 99% Bandwidth of Bluetooth, Low Energy mode

Channel	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit of 6dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	704	≥0.5	1036
Mid Channel	2440	705	≥0.5	1035
High Channel	2480	707	≥0.5	1035

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5.1.5 Conducted Spurious Emissions measured in 100kHz Bandwidth**RESULT:****Pass**

Date of testing	:	2017-05-19
Test standard	:	FCC part 15.247(d) RSS-247 clause 5.5
Basic standard	:	ANSI C63.10: 2013
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	:	Shield room

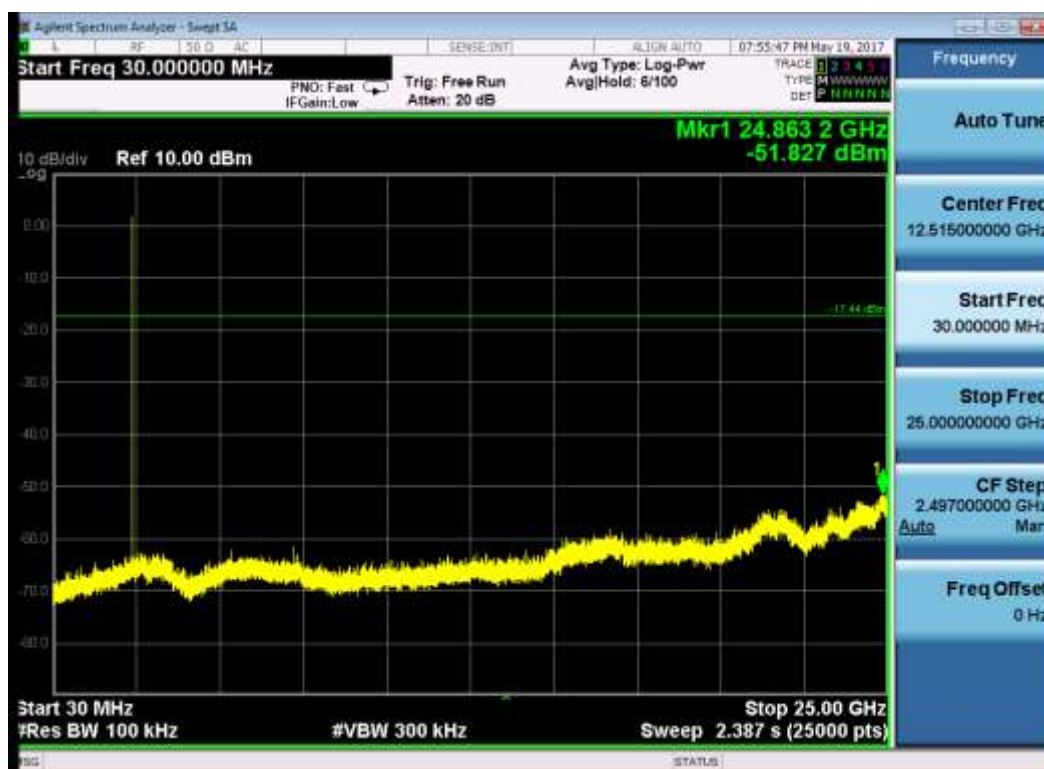
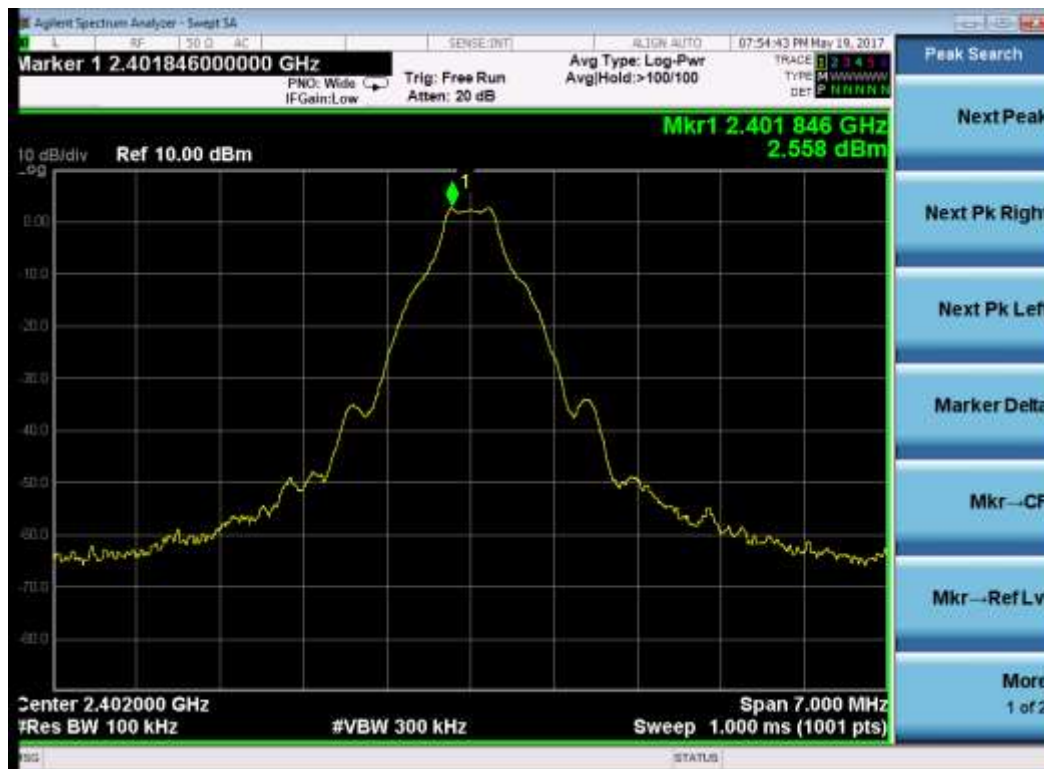
Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a, A.2.a
Ambient temperature	:	24°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

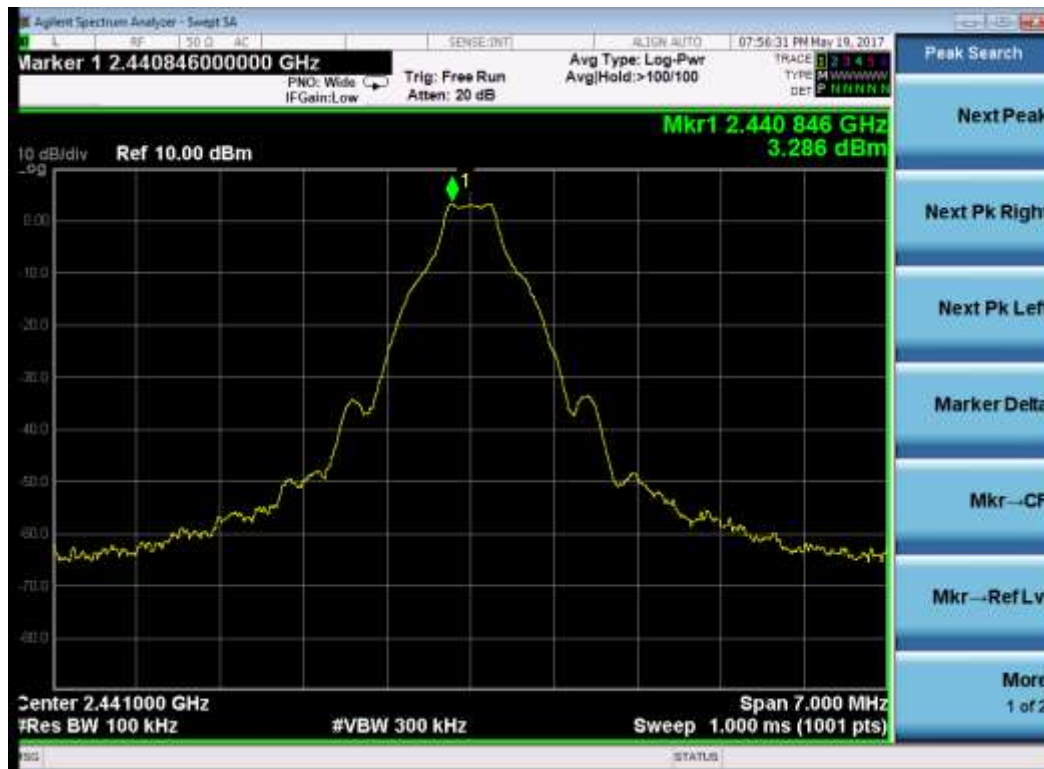
For details refer to following test plot.

Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode

Low Channel

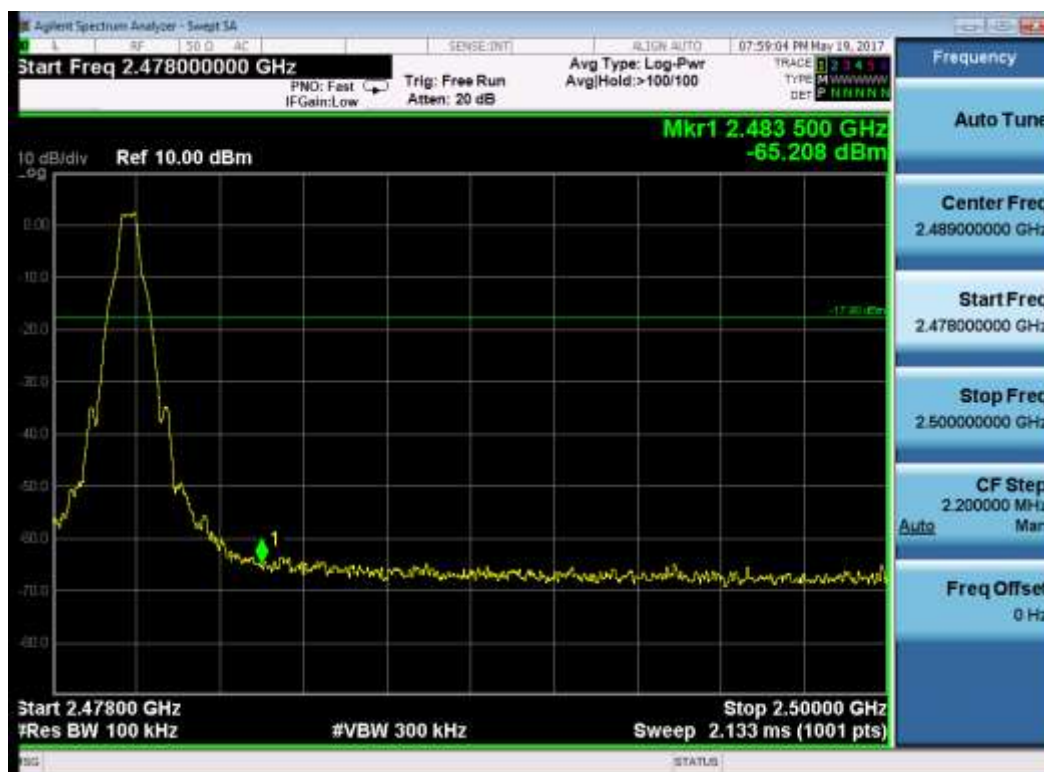


Middle Channel



High Channel



Band Edge


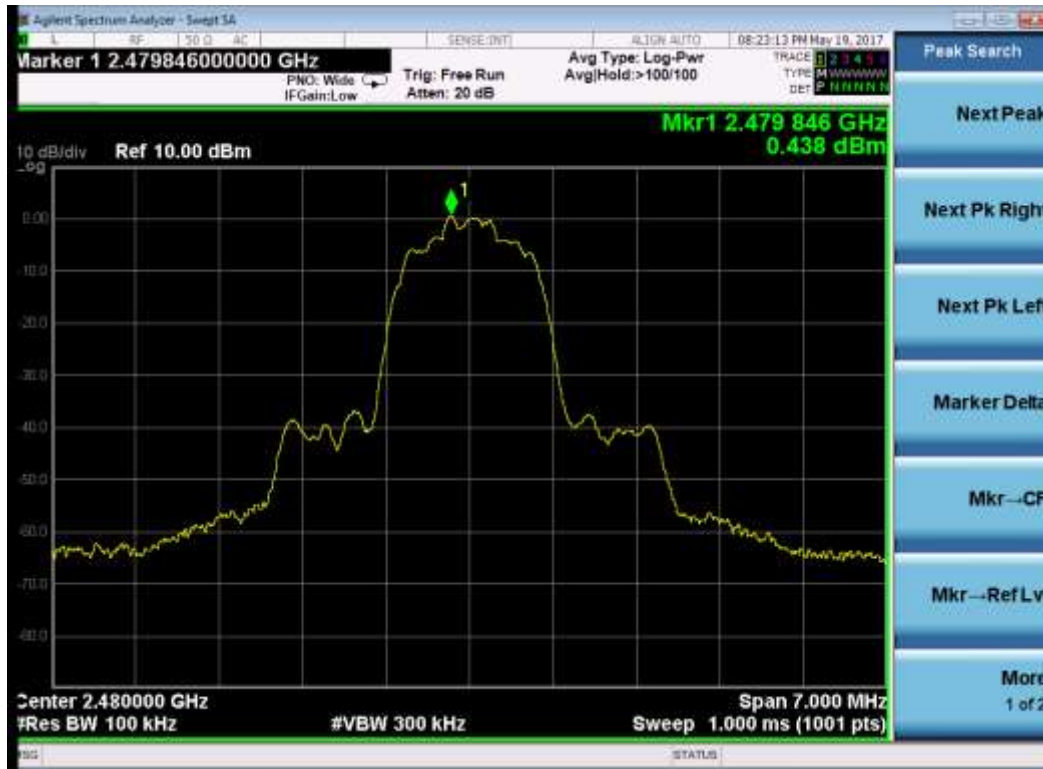
Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

Low Channel



Middle Channel


High Channel



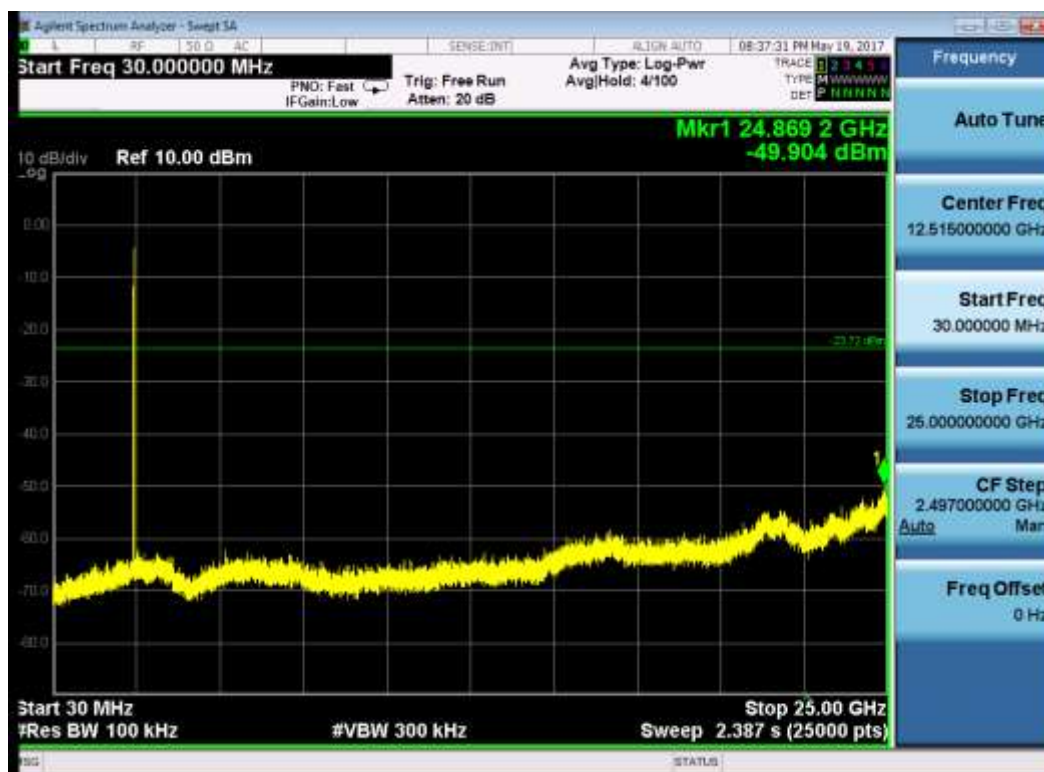
Band Edge


Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of Low Energy mode

Low Channel



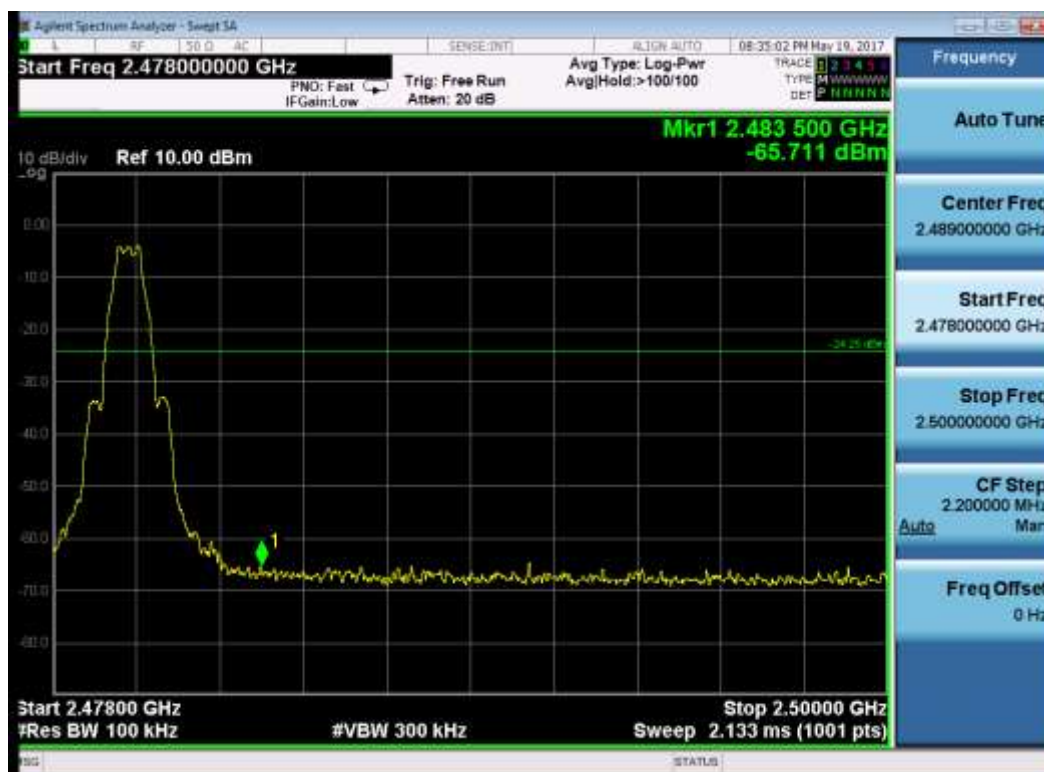
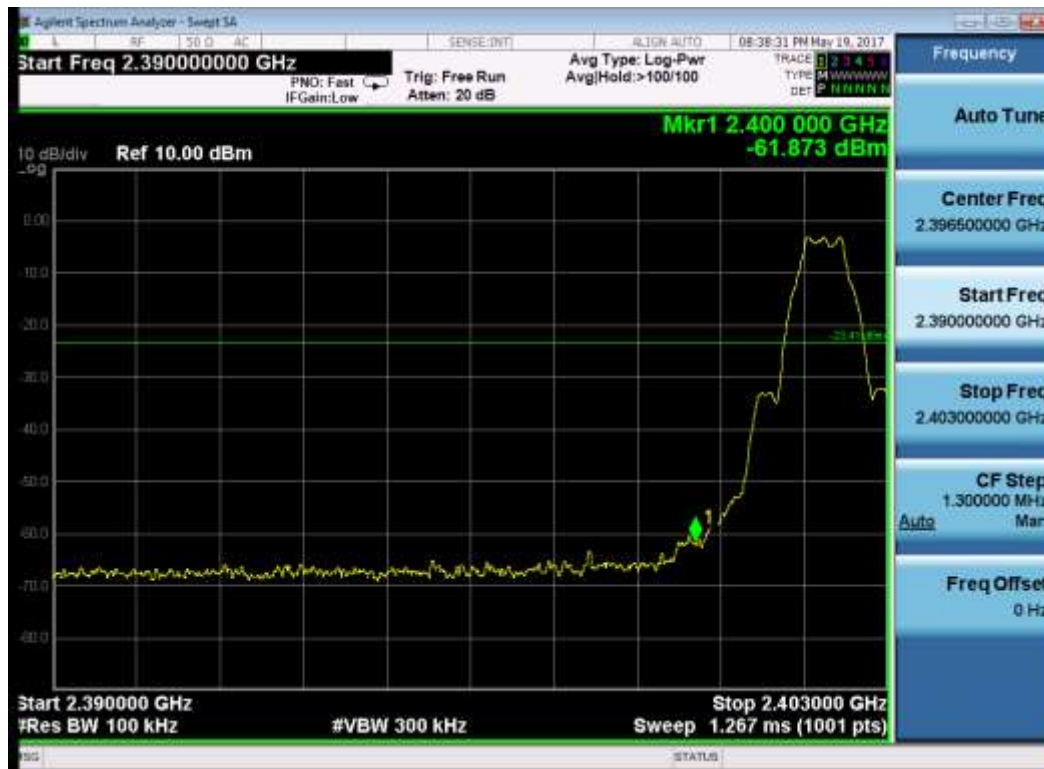
Middle Channel



High Channel



Band Edge



5.1.6 Power spectral density**RESULT:****Pass**

Date of testing : 2017-05-19
Test standard : FCC part 15.247(e)
RSS-247 clause 5.2(2)
Basic standard : ANSI C63.10: 2013
Clause 10 of KDB 558074 v03r03
Limit : 8dBm/3kHz
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation mode : A.2.a
Ambient temperature : 24°C
Relative humidity : 50%
Atmospheric pressure : 101kPa

Table 13: Test result of power spectral density

Mode	Channel (MHz)	Result (dBm/3kHz)	Limit (dBm/3kHz)	Conclusion
Bluetooth Low Energy mode	2402	-17.844	8	Pass
	2440	-18.163	8	Pass
	2480	-18.785	8	Pass

Prüfbericht - Nr.: 50094373 001

Test Report No.

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5.1.7 Spurious Emission

RESULT:**Pass**

Date of testing	:	2017-05-06
Test standard	:	FCC part 15.247(d) RSS-247 clause 3.3
Basic standard	:	ANSI C63.10: 2013 Clause 11 of KDB 558074 v03r03
Limits	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a, A.2.a
Ambient temperature	:	24°C
Relative humidity	:	53%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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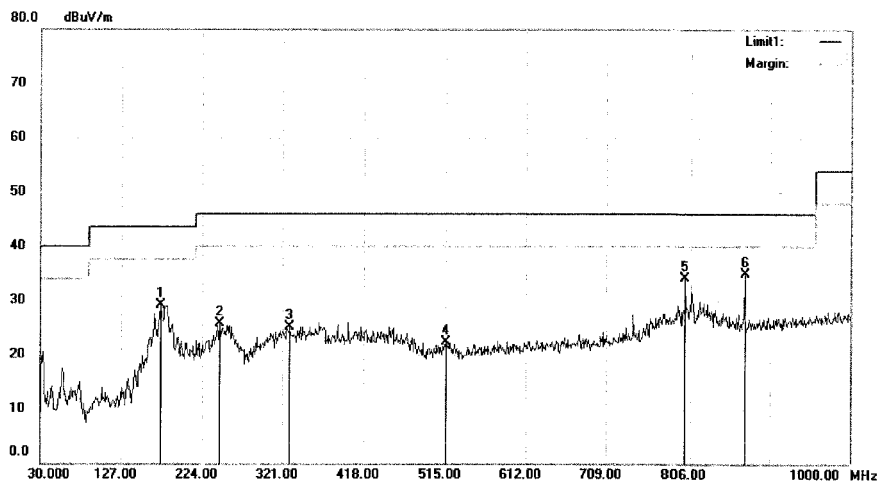
Radiated Emission Measurement

File: TUV(HUAKE)

Data: #41

Date: 2017/05/06

Time:



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode: GFSK(2402MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		173.5600	46.96	-17.76	29.20	43.50	-14.30	QP		
2		245.3400	39.53	-13.82	25.71	46.00	-20.29	QP		
3		329.7300	36.71	-11.58	25.13	46.00	-20.87	QP		
4		515.9700	29.35	-7.13	22.22	46.00	-23.78	QP		
5		799.2100	36.14	-2.03	34.11	46.00	-11.89	QP		
6	*	871.9600	36.21	-1.26	34.95	46.00	-11.05	QP		

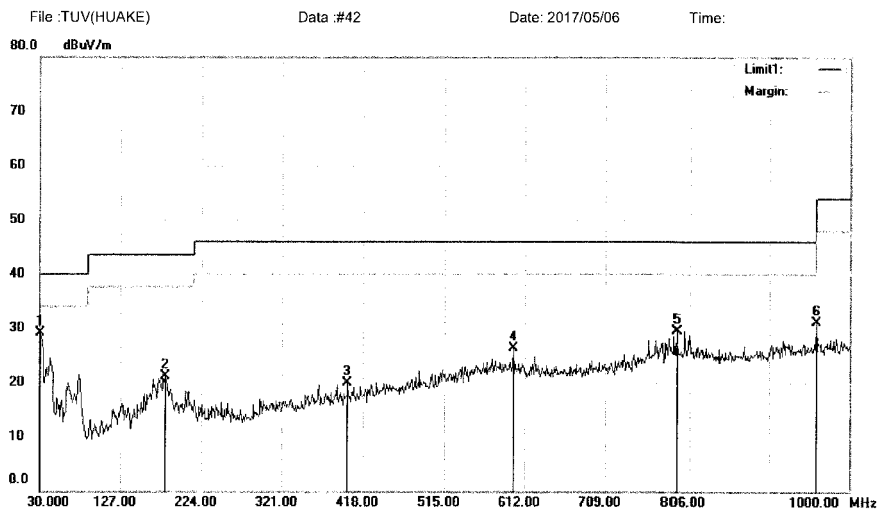
*: Maximum data x: Over limit !: over margin

Operator: KK

File: TUV(HUAKE)\Data: #41

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode:GFSK(2402MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	30.9700	45.36	-16.26	29.10	40.00	-10.90	QP		Comment
2		180.3500	37.99	-16.82	21.17	43.50	-22.33	QP		
3		399.5700	29.22	-9.26	19.96	46.00	-26.04	QP		
4		598.4200	31.45	-5.09	26.36	46.00	-19.64	QP		
5		790.4800	31.62	-2.20	29.42	46.00	-16.58	QP		
6		960.2300	31.30	-0.29	31.01	54.00	-22.99	QP		

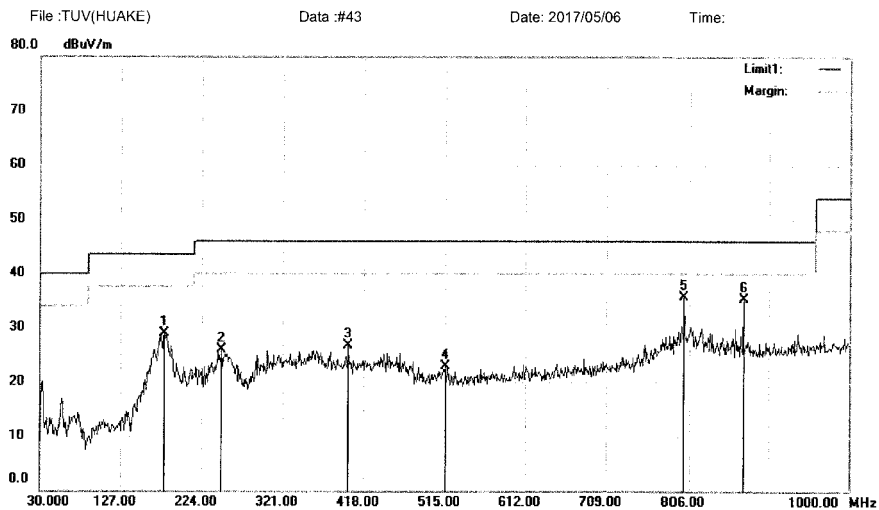
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#42

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: GFSK(2441MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		179.3800	45.84	-16.92	28.92	43.50	-14.58	QP		
2		248.2500	39.50	-13.68	25.82	46.00	-20.18	QP		
3		399.5700	35.90	-9.26	26.64	46.00	-19.36	QP		
4		515.0000	30.04	-7.15	22.89	46.00	-23.11	QP		
5	*	799.2100	37.64	-2.03	35.61	46.00	-10.39	QP		
6		871.9600	36.63	-1.26	35.37	46.00	-10.63	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV(HUAKE)\Data: #43

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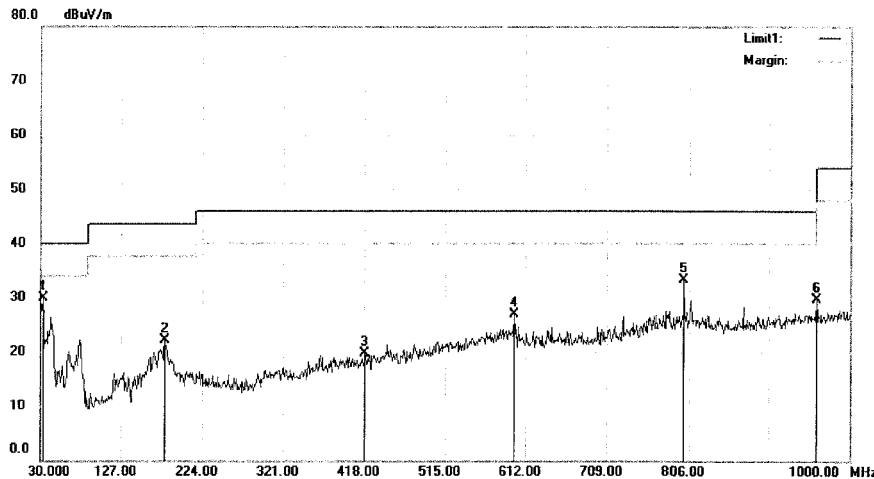

Radiated Emission Measurement

File :TUV(HUAKE)

Data :#44

Date: 2017/05/06

Time:



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:GFSK(2441MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	32.9100	45.90	-16.04	29.86	40.00	-10.14	QP		
2		179.3800	38.98	-16.92	22.06	43.50	-21.44	QP		
3		418.9700	28.66	-9.04	19.62	46.00	-26.38	QP		
4		598.4200	32.09	-5.09	27.00	46.00	-19.00	QP		
5		799.2100	35.37	-2.03	33.34	46.00	-12.66	QP		
6		960.2300	30.04	-0.29	29.75	54.00	-24.25	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#44

Page: 1

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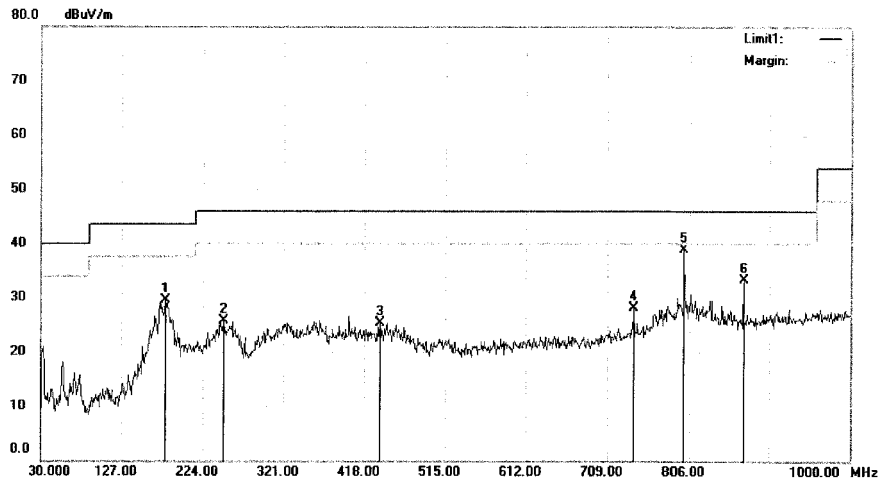
Radiated Emission Measurement

File :TUV(HUAKE)

Data :#45

Date: 2017/05/06

Time:



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:GFSK(2480MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		179.3800	46.43	-16.92	29.51	43.50	-13.99	QP		
2		249.2200	39.33	-13.63	25.70	46.00	-20.30	QP		
3		436.4300	34.05	-8.67	25.38	46.00	-20.62	QP		
4		741.0100	31.23	-3.19	28.04	46.00	-17.96	QP		
5	*	799.2100	40.91	-2.03	38.88	46.00	-7.12	QP		
6		871.9600	34.55	-1.26	33.29	46.00	-12.71	QP		

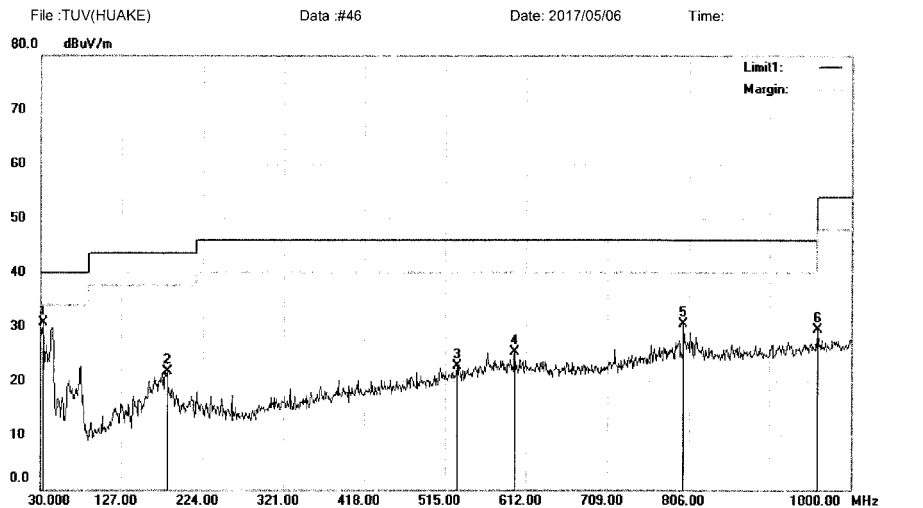
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Operator: KK

File :TUV(HUAKE)\Data :#45

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: GFSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	32.9100	46.65	-16.04	30.61	40.00	-9.39	QP		
2		181.3200	38.44	-16.83	21.61	43.50	-21.89	QP		
3		529.5500	29.45	-6.80	22.65	46.00	-23.35	QP		
4		598.4200	30.38	-5.09	25.29	46.00	-20.71	QP		
5		799.2100	32.62	-2.03	30.59	46.00	-15.41	QP		
6		960.2300	29.74	-0.29	29.45	54.00	-24.55	QP		

*: Maximum data x: Over limit !: over margin

Operator: KK

File: TUV(HUAKE)\Data: #46

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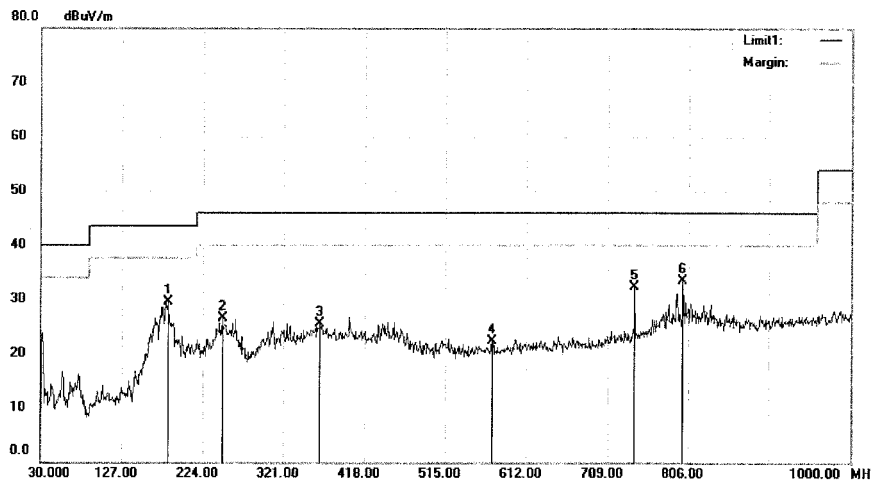
Radiated Emission Measurement

File :TUV(HUAKE)

Data :#35

Date: 2017/05/06

Time:



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:8DPSK(2402MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		181.3200	46.36	-16.83	29.53	43.50	-13.97	QP		
2		247.2800	40.30	-13.73	26.57	46.00	-19.43	QP		
3		364.6500	35.85	-10.29	25.56	46.00	-20.44	QP		
4		571.2600	28.02	-5.76	22.26	46.00	-23.74	QP		
5		741.0100	35.45	-3.19	32.26	46.00	-13.74	QP		
6	*	799.2100	35.58	-2.03	33.55	46.00	-12.45	QP		

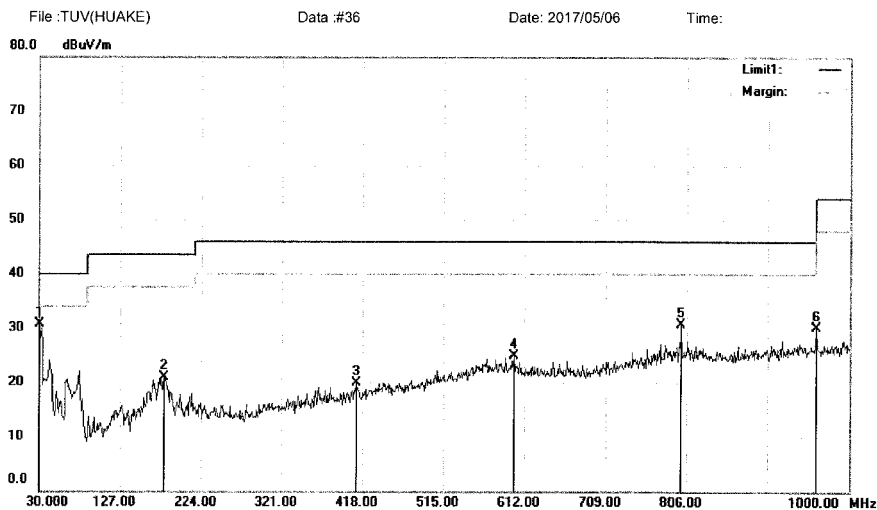
*:Maximum data x:Over limit !:over margin

Operator: KK

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 8DPSK(2402MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	30.0000	47.07	-16.30	30.77	40.00	-9.23	QP		Comment
2		179.3800	37.74	-16.92	20.82	43.50	-22.68	QP		
3		411.2100	28.93	-9.12	19.81	46.00	-26.19	QP		
4		599.3900	29.89	-5.06	24.83	46.00	-21.17	QP		
5		799.2100	32.80	-2.03	30.77	46.00	-15.23	QP		
6		960.2300	30.38	-0.29	30.09	54.00	-23.91	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV(HUAKE)\Data: #36

Page: 1

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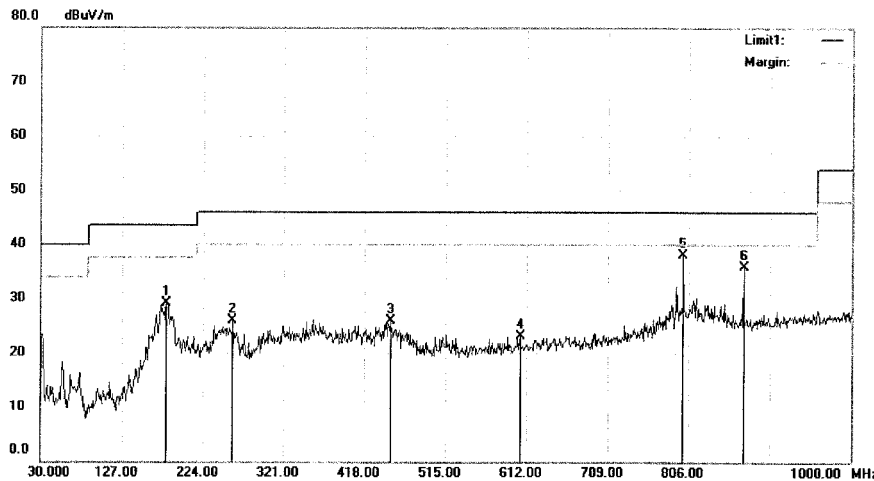

Radiated Emission Measurement

File :TUV(HUAKE)

Data :#37

Date: 2017/05/06

Time:



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:8DPSK(2441MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		179.3800	46.04	-16.92	29.12	43.50	-14.38	QP		
2		259.8900	38.96	-13.12	25.84	46.00	-20.16	QP		
3		449.0400	34.52	-8.59	25.93	46.00	-20.07	QP		
4		604.2400	28.18	-5.00	23.18	46.00	-22.82	QP		
5	*	799.2100	40.12	-2.03	38.09	46.00	-7.91	QP		
6		871.9600	37.14	-1.26	35.88	46.00	-10.12	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#37

Page: 1

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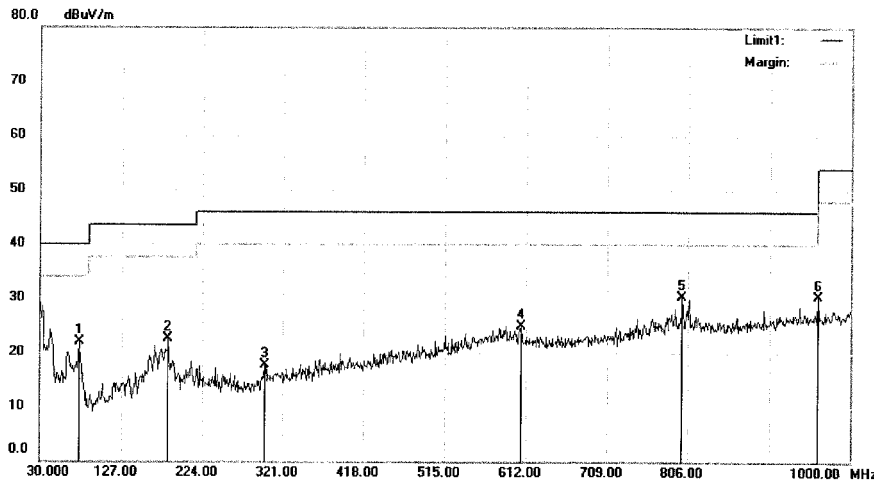

Radiated Emission Measurement

File :TUV(HUAKE)

Data :#38

Date: 2017/05/06

Time:



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:8DPSK(2441MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		76.5600	42.17	-20.32	21.85	40.00	-18.15	QP		
2		182.2900	39.39	-16.83	22.56	43.50	-20.94	QP		
3		299.6600	29.81	-12.02	17.79	46.00	-28.21	QP		
4		606.1800	29.90	-4.98	24.92	46.00	-21.08	QP		
5	*	799.2100	32.41	-2.03	30.38	46.00	-15.62	QP		
6		960.2300	30.52	-0.29	30.23	54.00	-23.77	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#38

Page: 1

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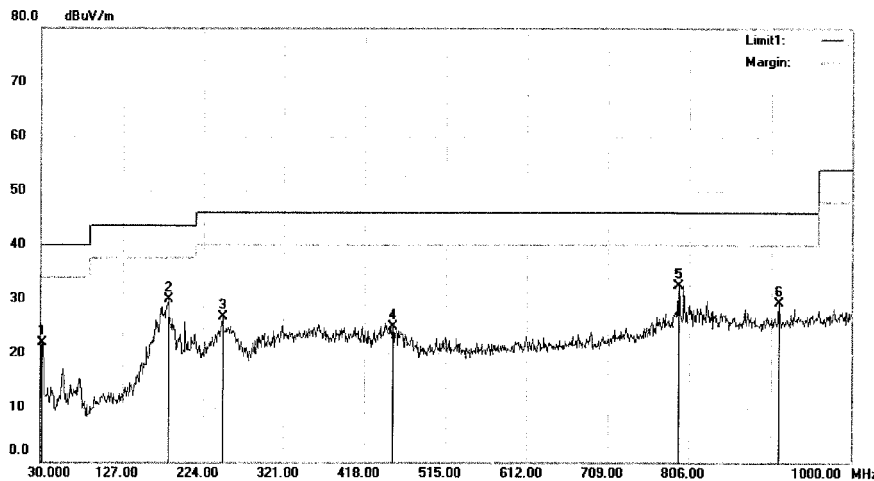

Radiated Emission Measurement

File :TUV(HUAKE)

Data :#39

Date: 2017/05/06

Time:



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:8DPSK(2480MHz)

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	31.9400	38.09	-16.24	21.85	40.00	-18.15	QP		
2	181.3200	46.78	-16.83	29.95	43.50	-13.55	QP		
3	247.2800	40.43	-13.73	26.70	46.00	-19.30	QP		
4	451.9500	33.51	-8.58	24.93	46.00	-21.07	QP		
5 *	793.3900	34.71	-2.15	32.56	46.00	-13.44	QP		
6	912.7000	30.12	-0.82	29.30	46.00	-16.70	QP		

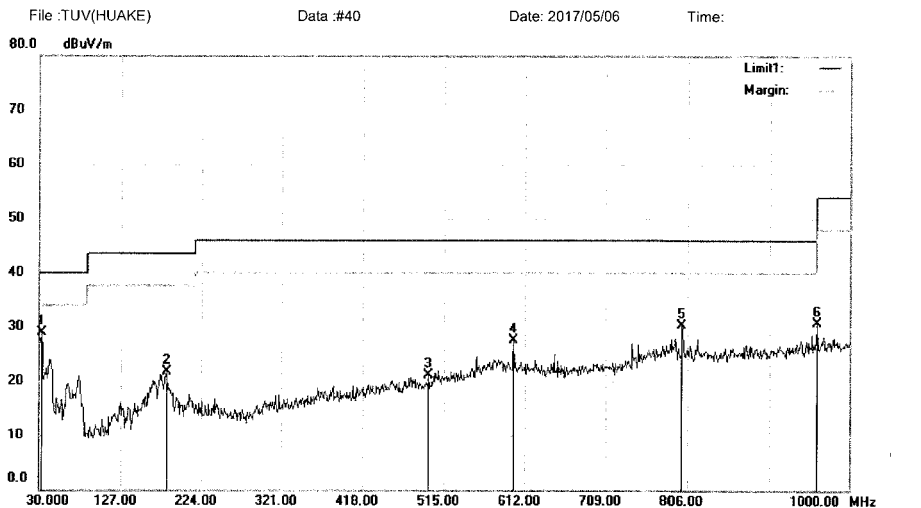
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Operator: KK

File :TUV(HUAKE)\Data :#39

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 8DPSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	32.9100	44.95	-16.04	28.91	40.00	-11.09	QP		
2		181.3200	38.60	-16.83	21.77	43.50	-21.73	QP		
3		496.5700	28.68	-7.57	21.11	46.00	-24.89	QP		
4		598.4200	32.52	-5.09	27.43	46.00	-18.57	QP		
5		799.2100	32.32	-2.03	30.29	46.00	-15.71	QP		
6		960.2300	30.94	-0.29	30.65	54.00	-23.35	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV(HUAKE)\Data: #40

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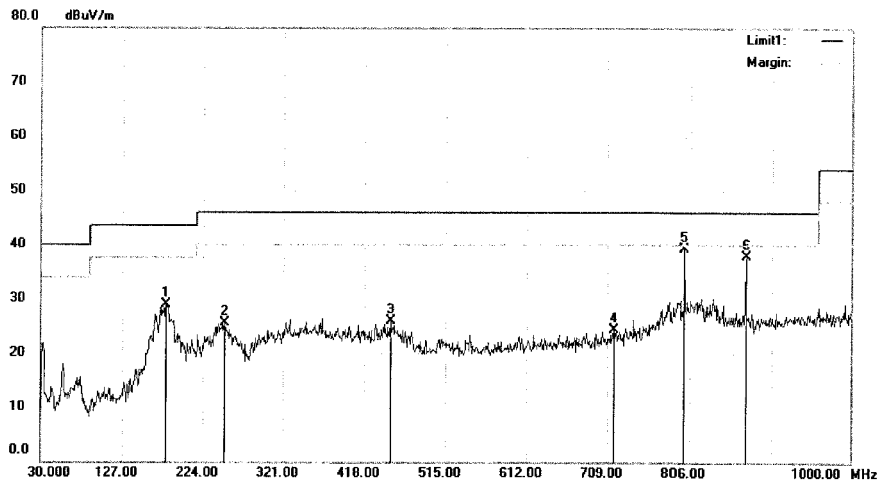

Radiated Emission Measurement

File :TUV(HUAKE)

Data :#47

Date: 2017/05/06

Time:



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:BLE(2402MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		179.3800	45.80	-16.92	28.88	43.50	-14.62	QP		
2		250.1900	39.17	-13.58	25.59	46.00	-20.41	QP		
3		449.0400	34.59	-8.59	26.00	46.00	-20.00	QP		
4		716.7600	28.00	-3.66	24.34	46.00	-21.66	QP		
5	*	799.2100	41.26	-2.03	39.23	46.00	-6.77	QP		
6		871.9600	39.12	-1.26	37.86	46.00	-8.14	QP		

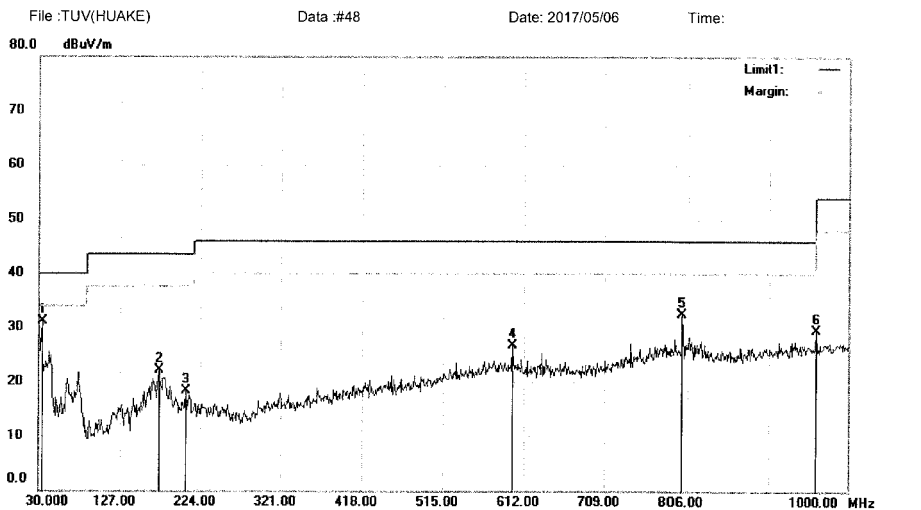
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#47

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode:BLE(2402MHz)
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	33.8800	46.88	-15.82	31.06	40.00	-8.94	QP		
2		173.5600	39.82	-17.76	22.06	43.50	-21.44	QP		
3		206.5400	33.98	-15.65	18.33	43.50	-25.17	QP		
4		598.4200	31.73	-5.09	26.64	46.00	-19.36	QP		
5		799.2100	34.44	-2.03	32.41	46.00	-13.59	QP		
6		960.2300	29.88	-0.29	29.59	54.00	-24.41	QP		

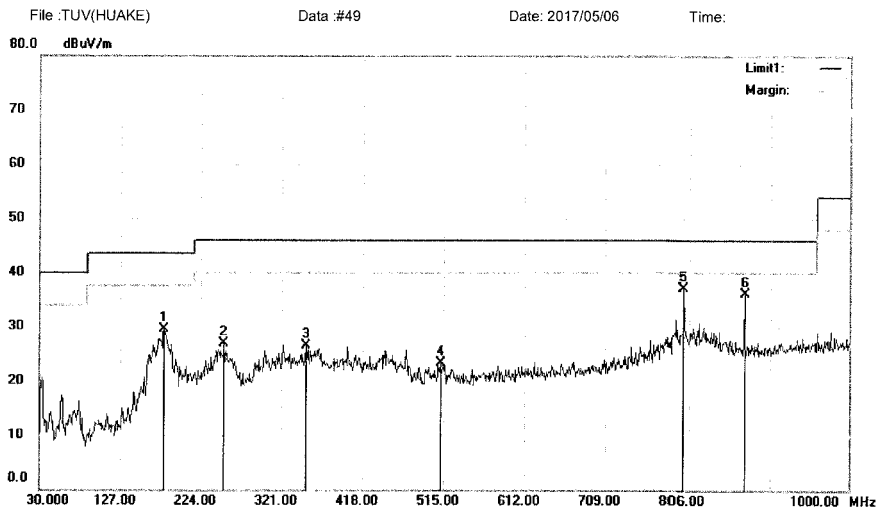
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#48

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode:BLE(2440MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		179.3800	46.41	-16.92	29.49	43.50	-14.01	QP		
2		252.1300	40.45	-13.49	26.96	46.00	-19.04	QP		
3		350.1000	37.32	-10.77	26.55	46.00	-19.45	QP		
4		511.1200	30.58	-7.25	23.33	46.00	-22.67	QP		
5	*	799.2100	39.17	-2.03	37.14	46.00	-8.86	QP		
6		871.9600	37.42	-1.26	36.16	46.00	-9.84	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#49

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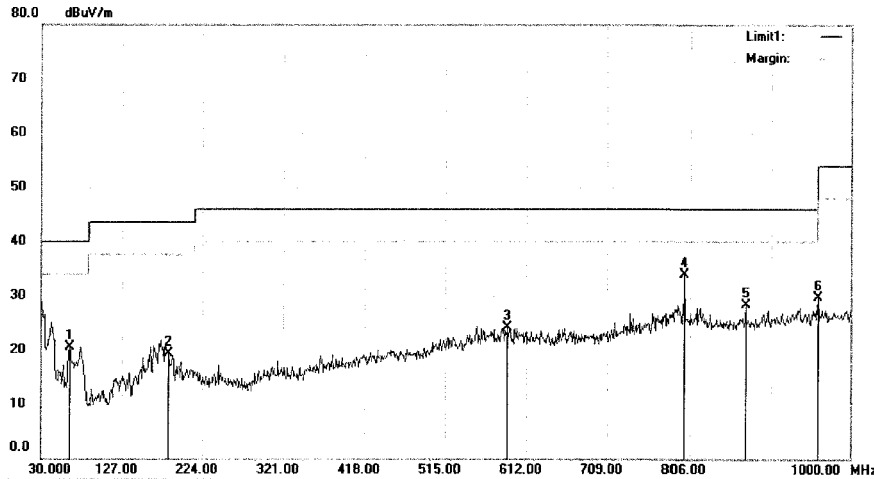

Radiated Emission Measurement

File :TUV(HUAKE)

Data :#50

Date: 2017/05/06

Time:



Site 3m Chamber #3
 Limit: (RE)FCC PART 15 C
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode:BLE(2440MHz)
 Note:

Polarization: **Vertical**
 Power: AC 120V/60Hz
 Temperature: 24 C
 Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		63.9500	37.89	-17.33	20.56	40.00	-19.44	QP		
2		183.2600	36.14	-16.84	19.30	43.50	-24.20	QP		
3		589.6900	29.39	-5.31	24.08	46.00	-21.92	QP		
4	*	799.2100	35.95	-2.03	33.92	46.00	-12.08	QP		
5		871.9600	29.49	-1.26	28.23	46.00	-17.77	QP		
6		960.2300	30.09	-0.29	29.80	54.00	-24.20	QP		

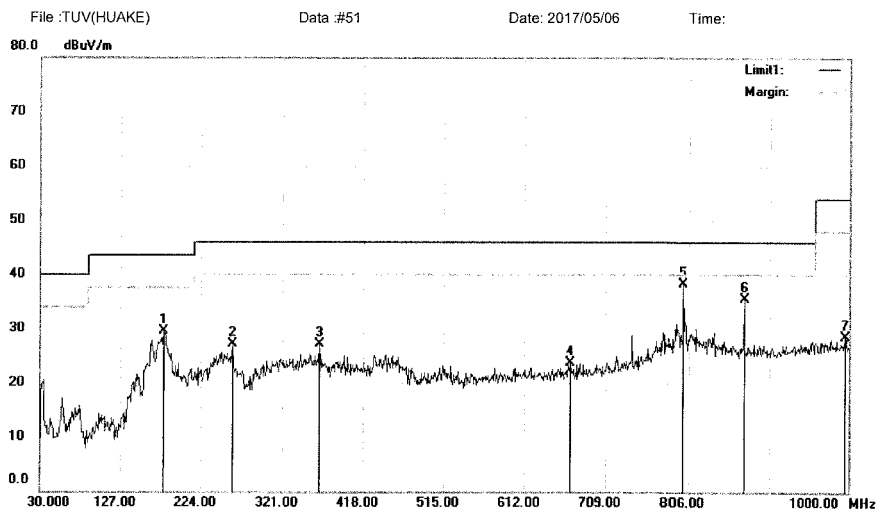
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Operator: KK

File :TUV(HUAKE)\Data :#50

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: BLE(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		179.3800	46.34	-16.92	29.42	43.50	-14.08	QP		
2		261.8300	40.14	-13.11	27.03	46.00	-18.97	QP		
3		365.6200	37.46	-10.28	27.18	46.00	-18.82	QP		
4		667.2900	28.11	-4.33	23.78	46.00	-22.22	QP		
5	*	799.2100	40.33	-2.03	38.30	46.00	-7.70	QP		
6		871.9600	36.73	-1.26	35.47	46.00	-10.53	QP		
7		995.1500	28.47	0.10	28.57	54.00	-25.43	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#51

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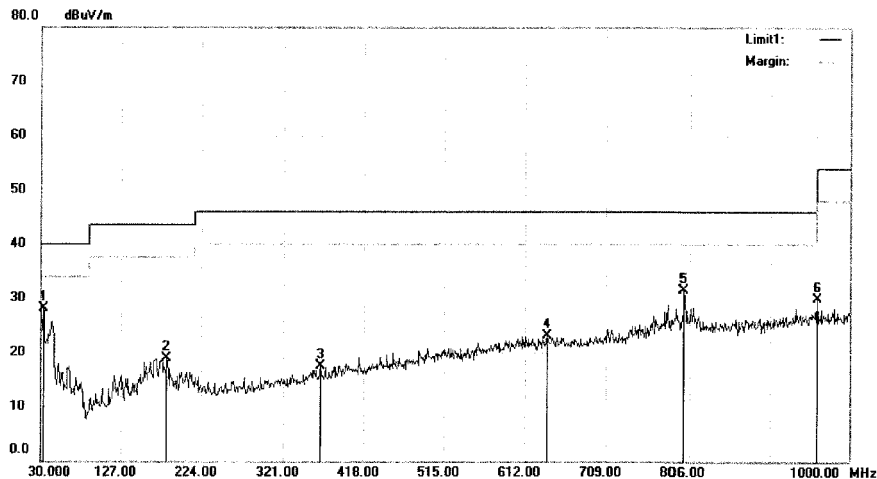

Radiated Emission Measurement

File :TUV(HUAKE)

Data :#52

Date: 2017/05/06

Time:



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:BLE(2480MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	32.9100	44.20	-16.04	28.16	40.00	-11.84	QP		
2		182.2900	35.79	-16.83	18.96	43.50	-24.54	QP		
3		365.6200	27.76	-10.28	17.48	46.00	-28.52	QP		
4		638.1900	27.72	-4.64	23.08	46.00	-22.92	QP		
5		799.2100	33.48	-2.03	31.45	46.00	-14.55	QP		
6		960.2300	30.14	-0.29	29.85	54.00	-24.15	QP		

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Operator: KK

File :TUV(HUAKE)\Data :#52

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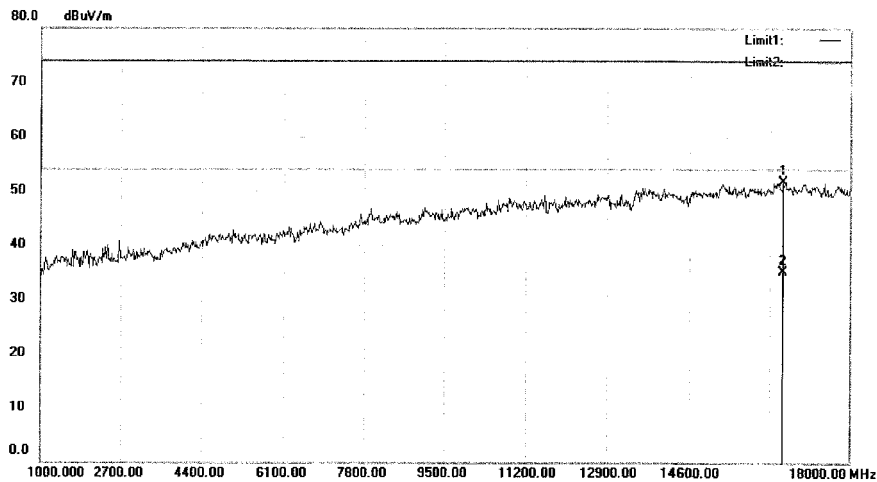

Radiated Emission Measurement

File: TUV 2017

Data: #92

Date:

Time:



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode: DH1 2402

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		16589.00	62.48	-10.69	51.79	74.00	-22.21	peak		
2	*	16589.00	45.89	-10.69	35.20	54.00	-18.80	AVG		

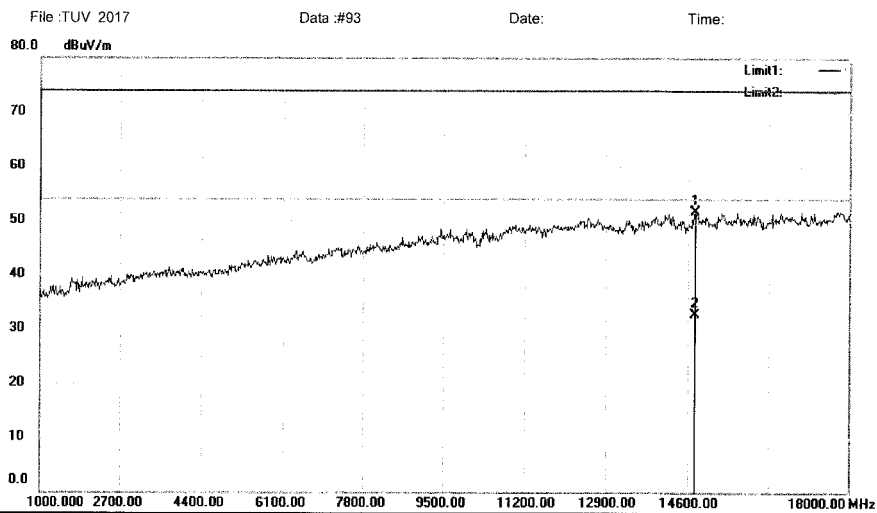
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Operator: KK

File: TUV 2017\Data: #92

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: DH1 2402
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		14736.00	60.80	-9.13	51.67	74.00	-22.33	peak		
2	*	14736.00	41.93	-9.13	32.80	54.00	-21.20	AVG		

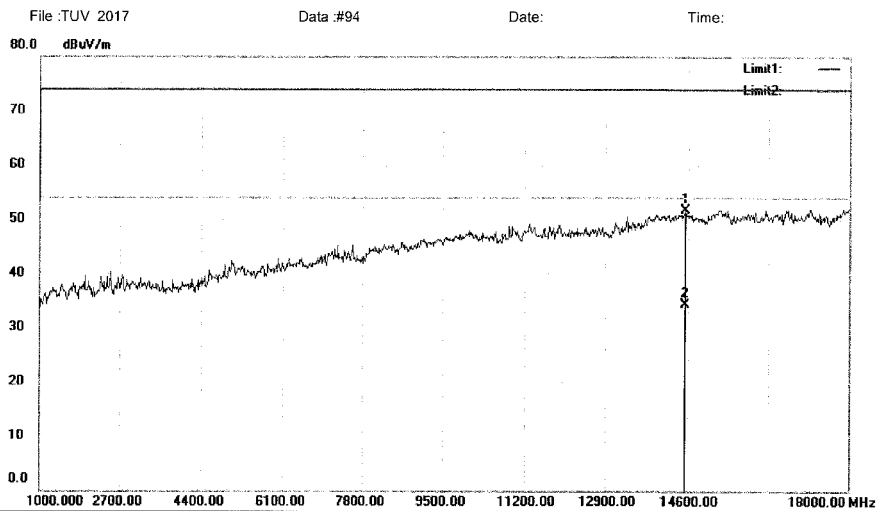
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Operator: KK

File: TUV 2017\Data: #93

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: DH1 2441
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		14549.00	60.43	-8.79	51.64	74.00	-22.36	peak		
2	*	14549.00	43.09	-8.79	34.30	54.00	-19.70	AVG		

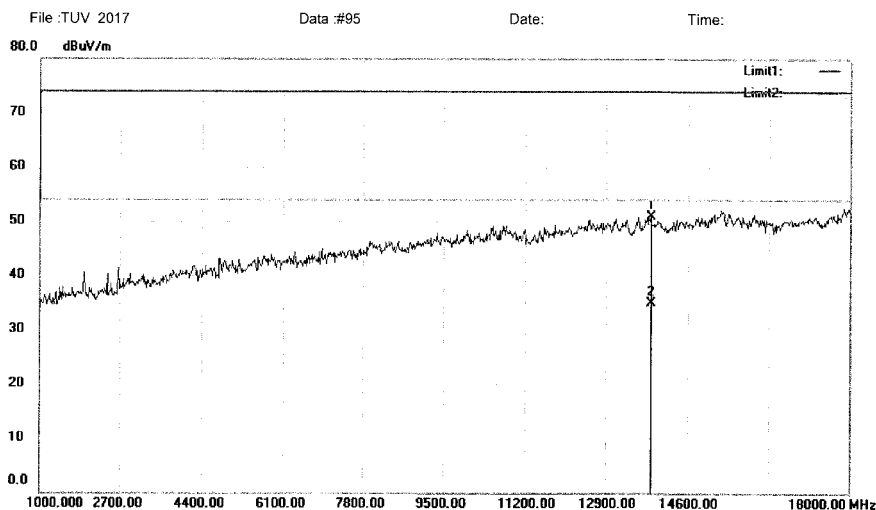
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Operator: KK

File: TUV 2017\Data: #94

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: DH1 2441
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		13852.00	59.43	-8.54	50.89	74.00	-23.11	peak		
2	*	13852.00	43.44	-8.54	34.90	54.00	-19.10	AVG		

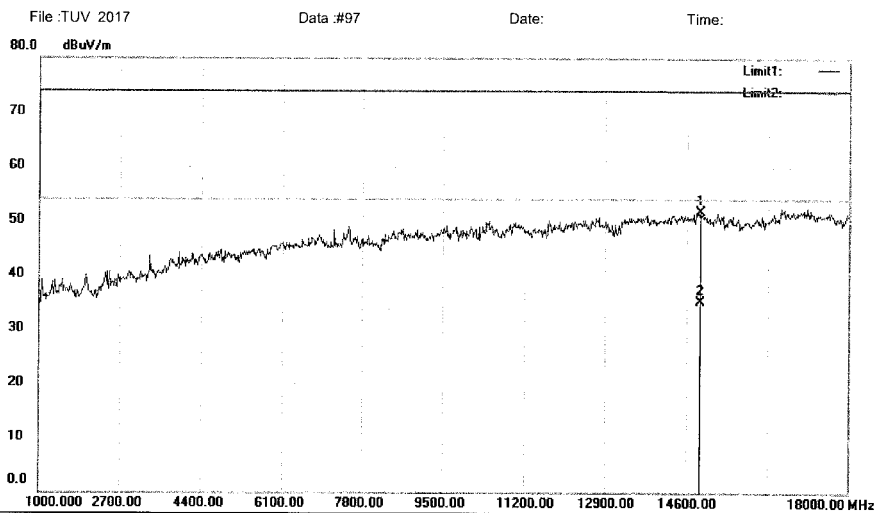
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File: TUV 2017\Data: #95

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: DH1 2480
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		14872.00	61.01	-9.36	51.65	74.00	-22.35	peak		
2	*	14872.00	44.56	-9.36	35.20	54.00	-18.80	AVG		

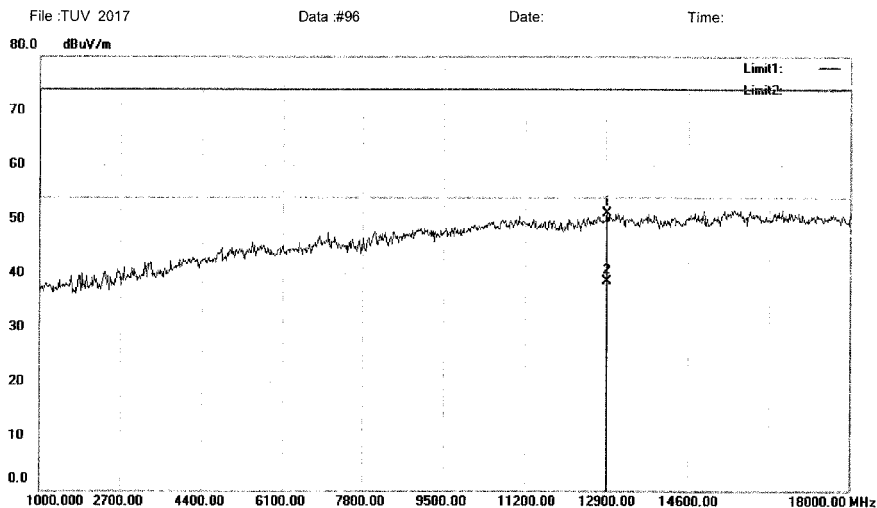
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Operator: KK

File: TUV 2017\Data: #97

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: DH1 2480
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		12934.00	63.96	-12.77	51.19	74.00	-22.81	peak		
2	*	12934.00	51.27	-12.77	38.50	54.00	-15.50	AVG		

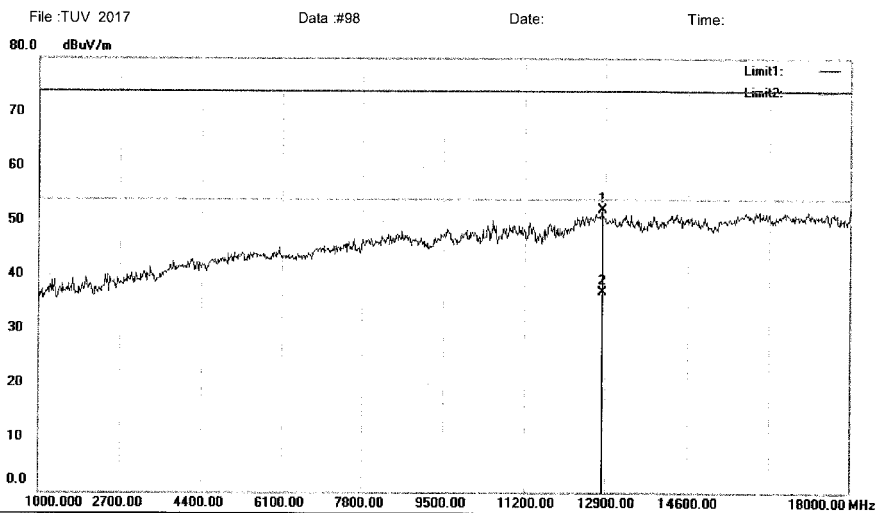
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV 2017\Data: #96

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 3DH1 2402
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		12832.00	64.91	-12.86	52.05	74.00	-21.95	peak		
2	*	12832.00	49.76	-12.86	36.90	54.00	-17.10	AVG		

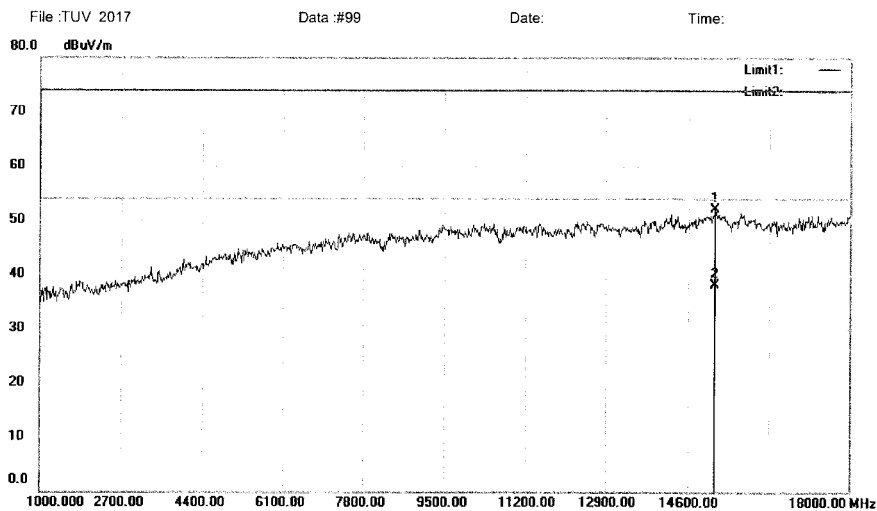
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File: TUV 2017\Data: #98

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 3DH1 2402
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		15161.00	62.27	-10.10	52.17	74.00	-21.83	peak		
2	*	15161.00	48.20	-10.10	38.10	54.00	-15.90	AVG		

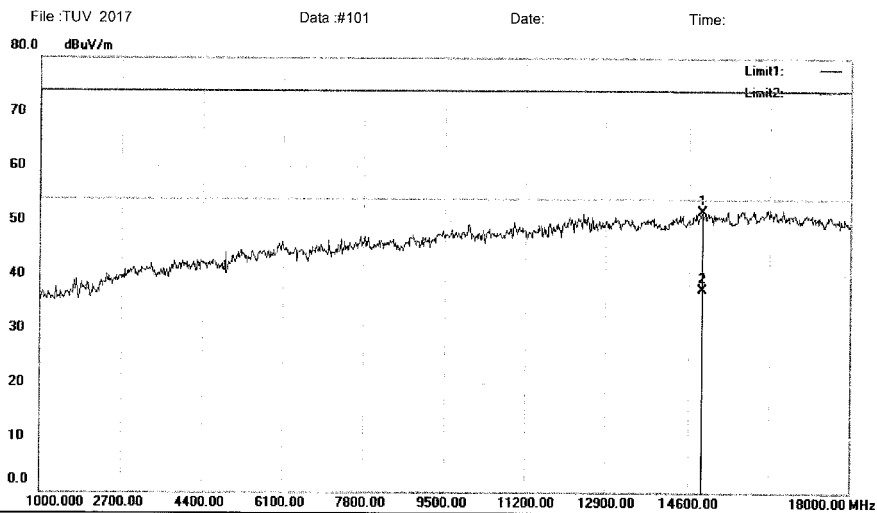
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV 2017\Data :#99

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 3DH1 2441
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		14872.00	61.15	-9.36	51.79	74.00	-22.21	peak		
2	*	14872.00	46.76	-9.36	37.40	54.00	-16.60	AVG		

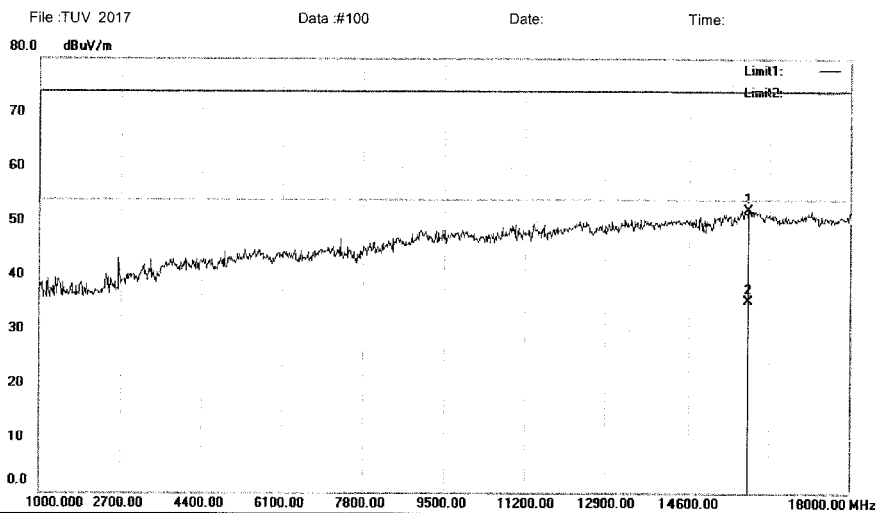
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Operator: KK

File: TUV 2017\Data: #101

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 3DH1 2441
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		15858.00	64.42	-12.30	52.12	74.00	-21.88	peak		Comment
2	*	15858.00	47.60	-12.30	35.30	54.00	-18.70	AVG		

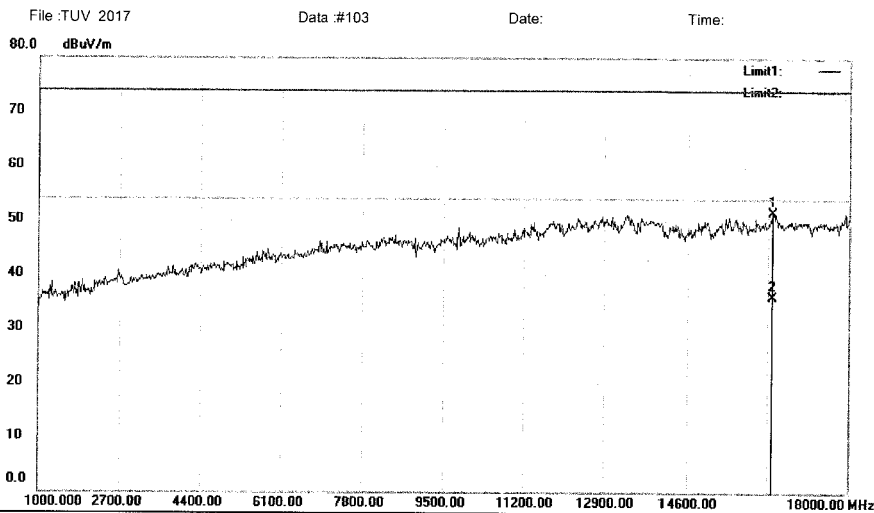
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Operator: KK

File: TUV 2017\Data: #100

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 3DH1 2480
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		16402.00	62.80	-11.34	51.46	74.00	-22.54	peak		
2	*	16402.00	47.24	-11.34	35.90	54.00	-18.10	AVG		

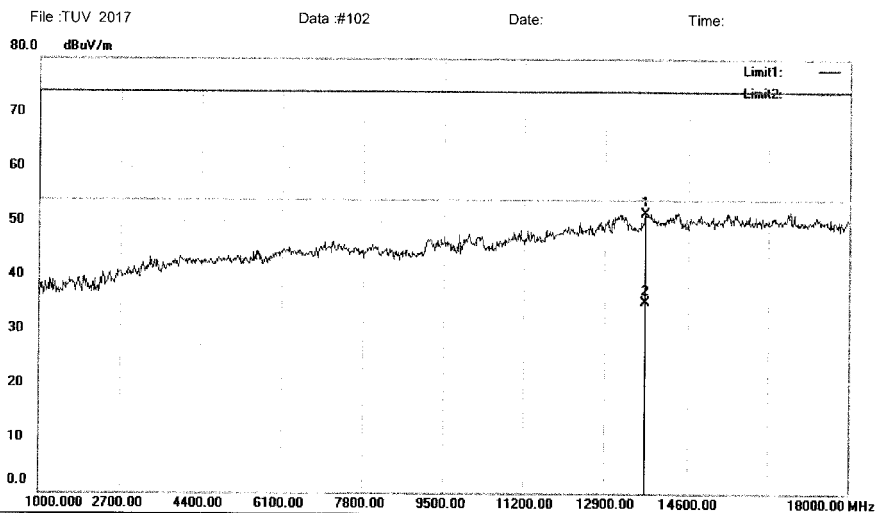
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Operator:

File: TUV 2017\Data: #103

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 3DH1 2480
 Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1	13750.00	60.52	-9.04	51.48	74.00	-22.52	peak		
2 *	13750.00	44.24	-9.04	35.20	54.00	-18.80	AVG		

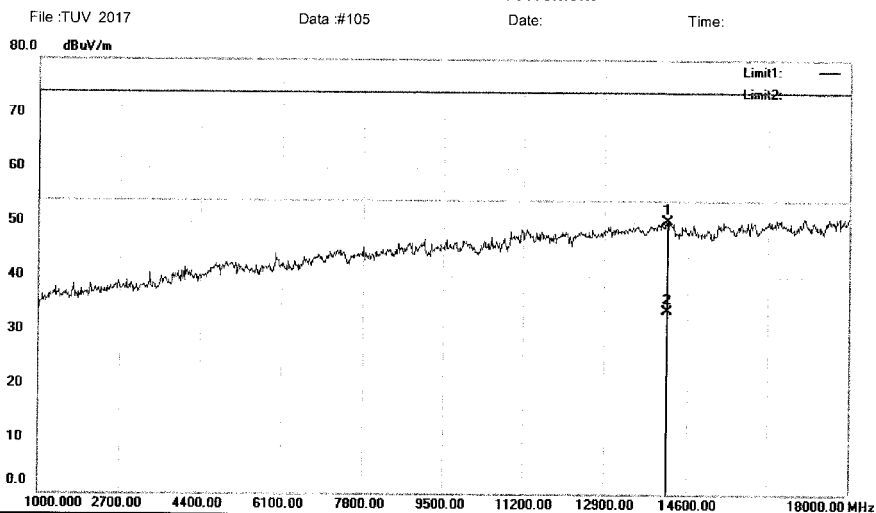
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Operator:

File: TUV 2017\Data: #102

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: BLE 2402
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		14175.00	58.43	-8.13	50.30	74.00	-23.70	peak		
2	*	14175.00	41.83	-8.13	33.70	54.00	-20.30	AVG		

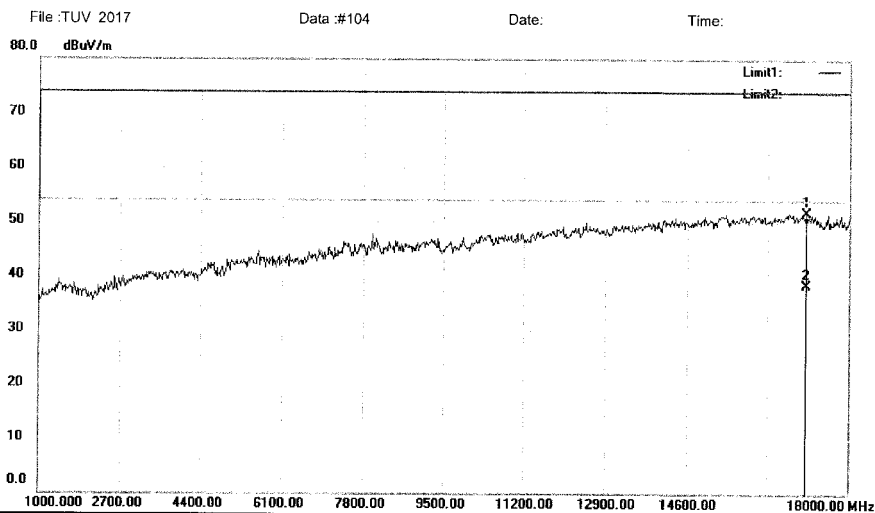
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Operator: XLX

File: TUV 2017\Data: #105

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: BLE 2402
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		17099.00	59.72	-8.06	51.66	74.00	-22.34	peak		
2	*	17099.00	46.36	-8.06	38.30	54.00	-15.70	AVG		

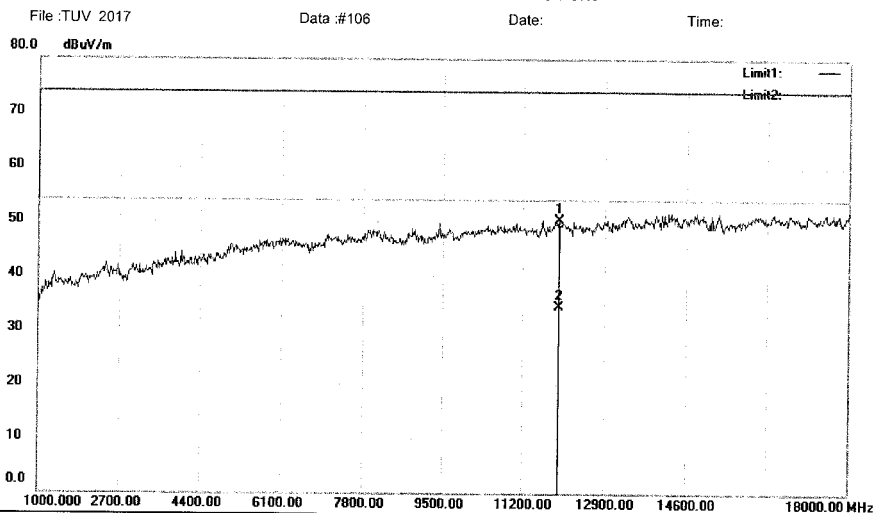
*:Maximum data x:Over limit !:over margin

Operator: XLX

File: TUV 2017\Data: #104

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: BLE 2440
 Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		11948.00	63.90	-13.52	50.38	74.00	-23.62	peak		
2	*	11948.00	47.92	-13.52	34.40	54.00	-19.60	AVG		

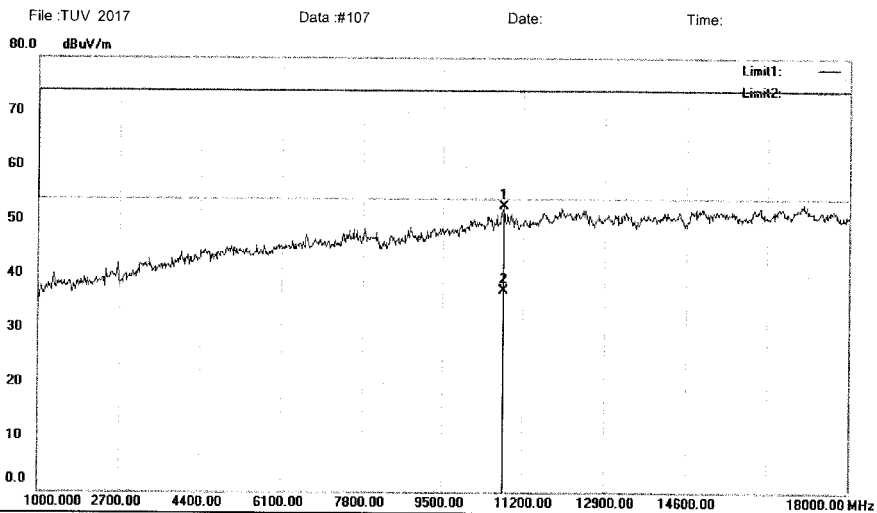
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV 2017\Data: #106

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: BLE 2440
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		10809.00	66.62	-13.86	52.76	74.00	-21.24	peak		
2	*	10809.00	51.06	-13.86	37.20	54.00	-16.80	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV 2017\Data: #107

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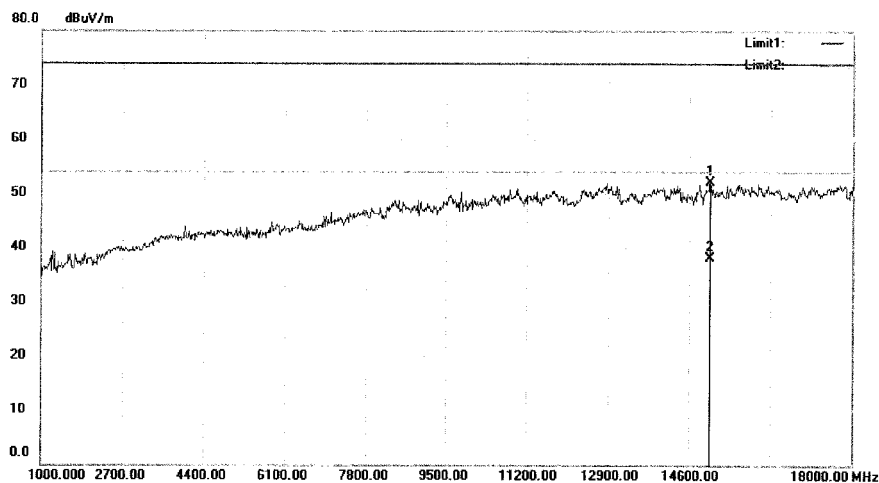

Radiated Emission Measurement

File: TUV 2017

Data: #109

Date:

Time:



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode: BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		15042.00	61.73	-9.72	52.01	74.00	-21.99	peak		
2	*	15042.00	47.92	-9.72	38.20	54.00	-15.80	AVG		

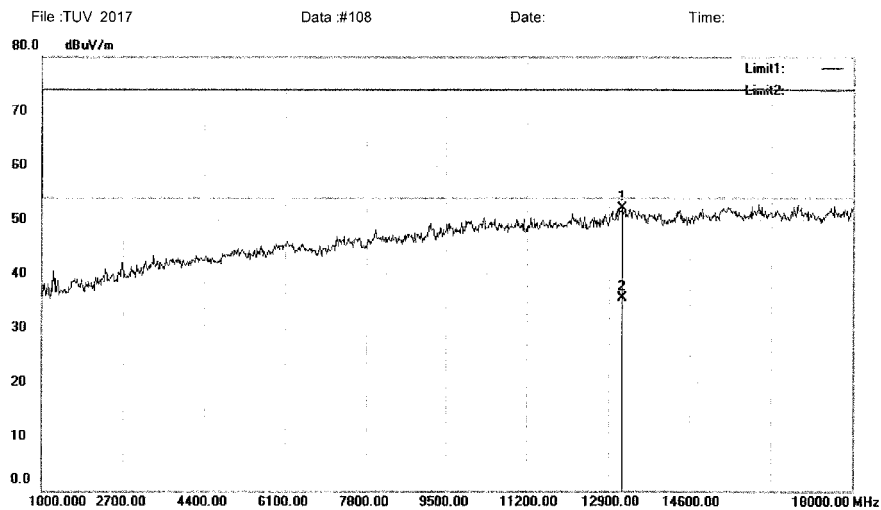
*:Maximum data x:Over limit !:over margin

Operator:

File: TUV 2017\Data: #109

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: BLE 2480
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		13172.00	63.97	-11.87	52.10	74.00	-21.90	peak		
2	*	13172.00	47.47	-11.87	35.60	54.00	-18.40	AVG		

*: Maximum data x: Over limit !: over margin

Operator:

File: TUV 2017\Data: #108

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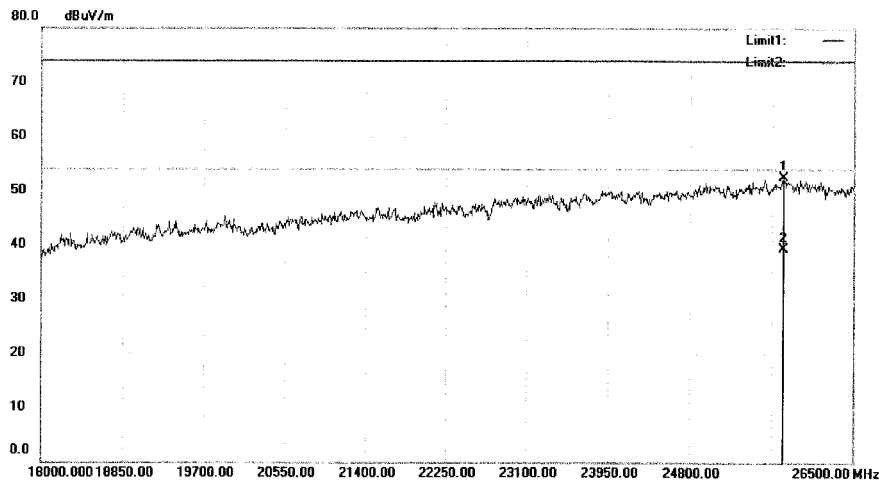

Radiated Emission Measurement

File :TUV 2017

Data :#200

Date:

Time:



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:DH1 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25769.00	88.50	-36.07	52.43	74.00	-21.57	peak		Comment
2	*	25769.00	75.47	-36.07	39.40	54.00	-14.60	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#200

Page: 1

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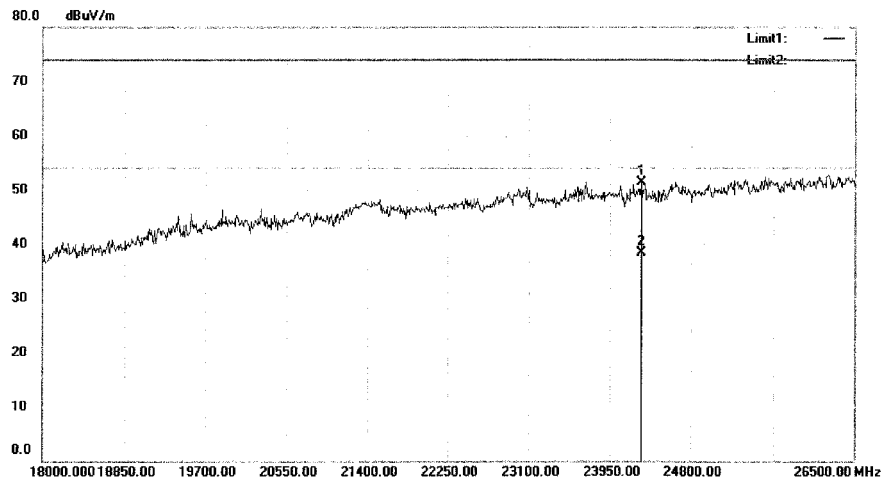

Radiated Emission Measurement

File :TUV 2017

Data :#201

Date:

Time:



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:DH1 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24281.50	88.32	-37.10	51.22	74.00	-22.78	peak		
2	*	24281.50	75.40	-37.10	38.30	54.00	-15.70	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#201

Page: 1

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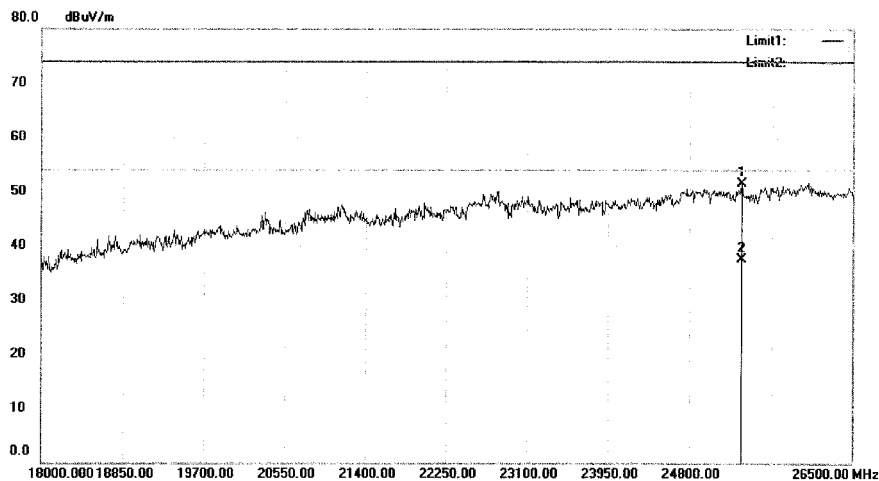
Radiated Emission Measurement

File: TUV 2017

Data: #202

Date:

Time:



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode: DH1 2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25335.50	88.20	-36.60	51.60	74.00	-22.40	peak		
2	*	25335.50	74.10	-36.60	37.50	54.00	-16.50	AVG		

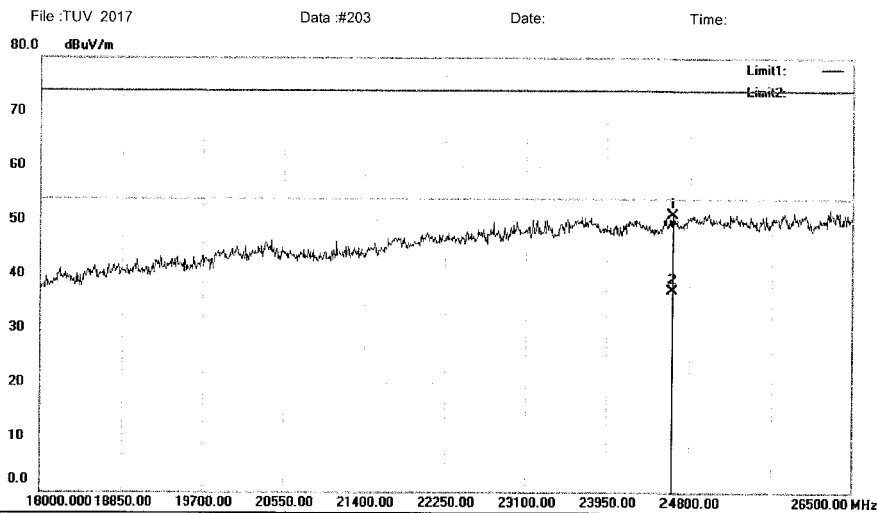
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV 2017\Data: #202

Page: 1

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: DH1 2441
 Note:

No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1	24621.50	88.19	-37.06	51.13	74.00	-22.87	peak		
2 *	24621.50	74.26	-37.06	37.20	54.00	-16.80	AVG		

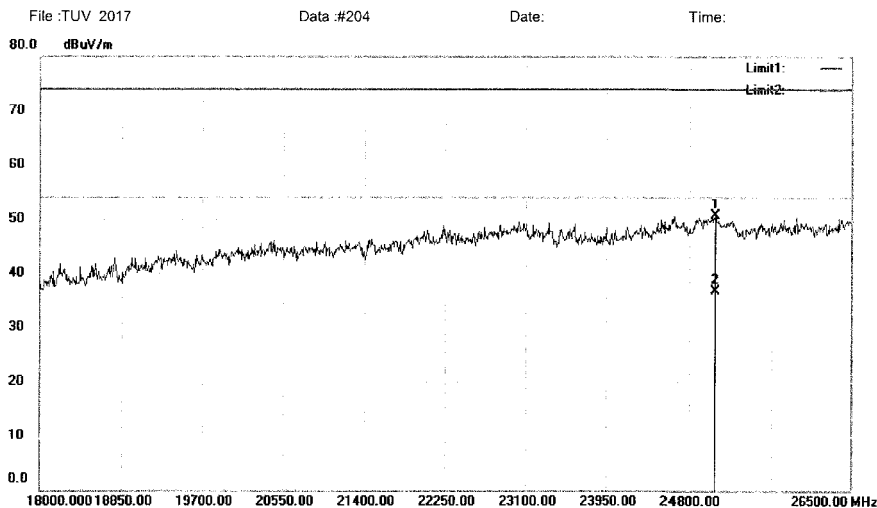
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV 2017\Data: #203

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: DH1 2480
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		25063.50	87.72	-36.93	50.79	74.00	-23.21	peak		
2	*	25063.50	73.63	-36.93	36.70	54.00	-17.30	AVG		

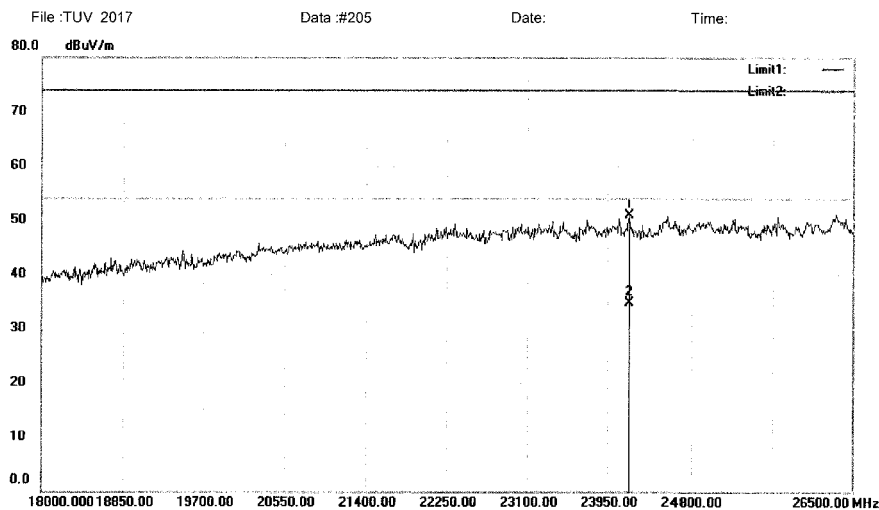
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV 2017\Data: #204

Page: 1

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: DH1 2480
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		24179.50	87.96	-37.11	50.85	74.00	-23.15	peak		
2	*	24179.50	71.91	-37.11	34.80	54.00	-19.20	AVG		

*: Maximum data x: Over limit !: over margin

Operator: KK

File: TUV 2017>Data: #205

Page: 1

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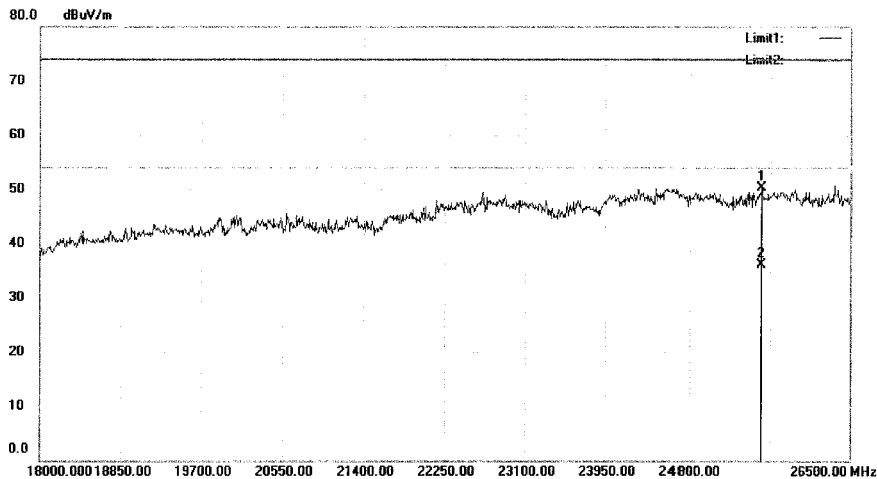

Radiated Emission Measurement

File :TUV 2017

Data :#206

Date:

Time:



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:3DH1 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25556.50	86.65	-36.33	50.32	74.00	-23.68	peak		Comment
2	*	25556.50	72.53	-36.33	36.20	54.00	-17.80	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#206

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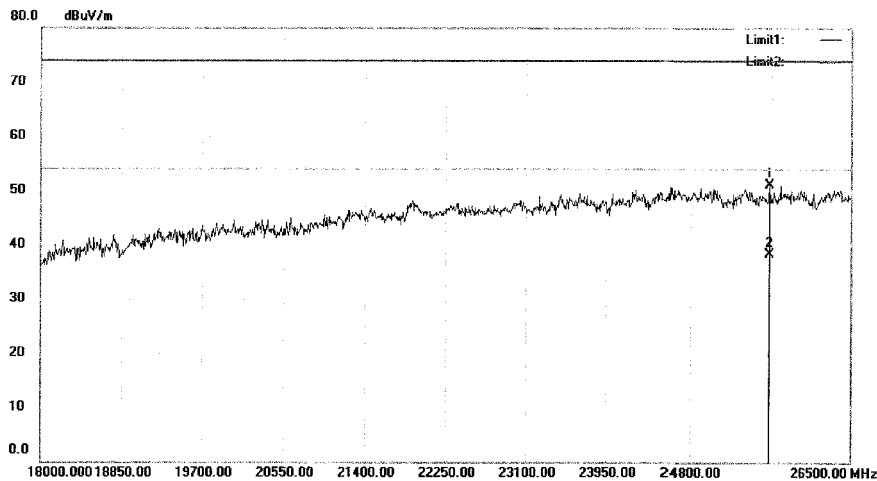

Radiated Emission Measurement

File :TUV 2017

Data :#207

Date:

Time:



Site: 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:3DH1 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25633.00	87.32	-36.24	51.08	74.00	-22.92	peak		Comment
2	*	25633.00	74.64	-36.24	38.40	54.00	-15.60	AVG		

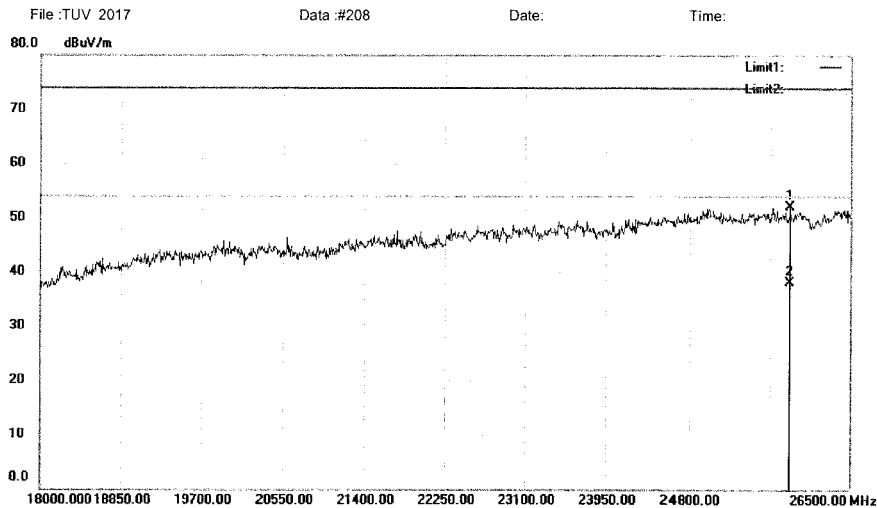
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#207

Page: 1

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 3DH1 2441
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		25862.50	87.97	-35.96	52.01	74.00	-21.99	peak		
2	*	25862.50	74.06	-35.96	38.10	54.00	-15.90	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV 2017\Data: #208

Page: 1

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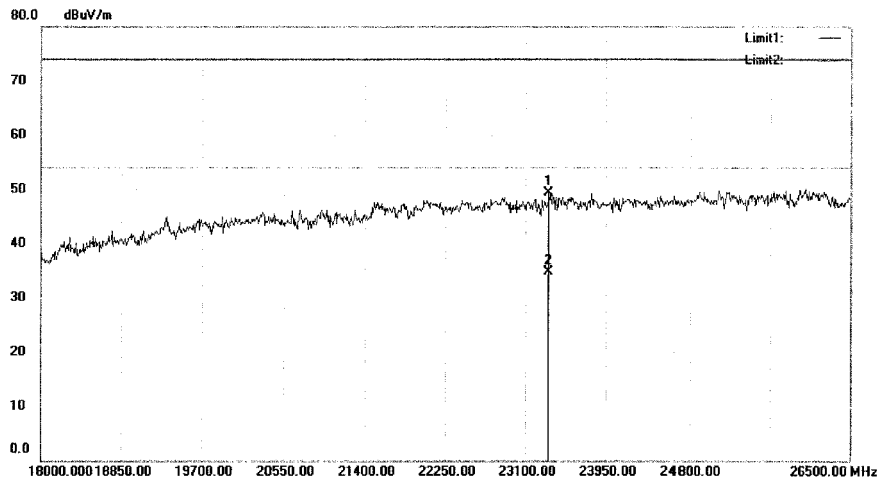

Radiated Emission Measurement

File :TUV 2017

Data :#209

Date:

Time:



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:3DH1 2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		23346.50	87.11	-37.82	49.29	74.00	-24.71	peak		Comment
2	*	23346.50	72.52	-37.82	34.70	54.00	-19.30	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#209

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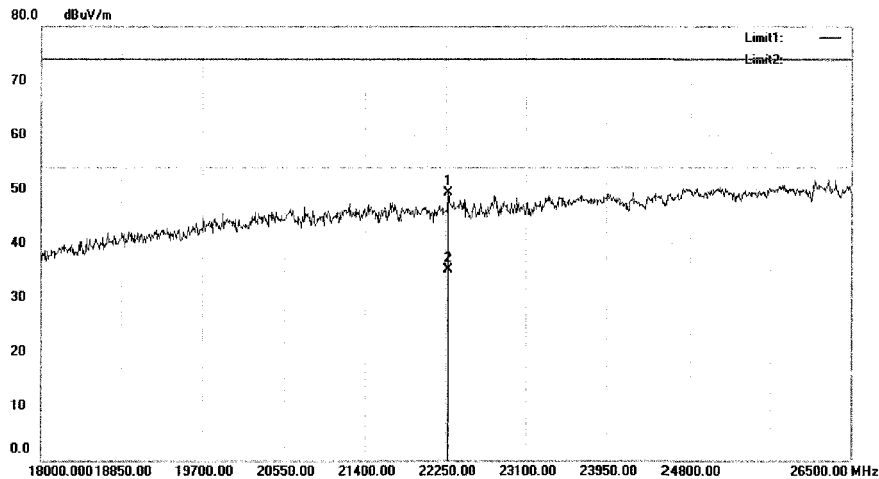

Radiated Emission Measurement

File: TUV 2017

Data: #210

Date:

Time:



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode: 3DH1 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		22275.50	88.94	-39.64	49.30	74.00	-24.70	peak		
2	*	22275.50	74.84	-39.64	35.20	54.00	-18.80	AVG		

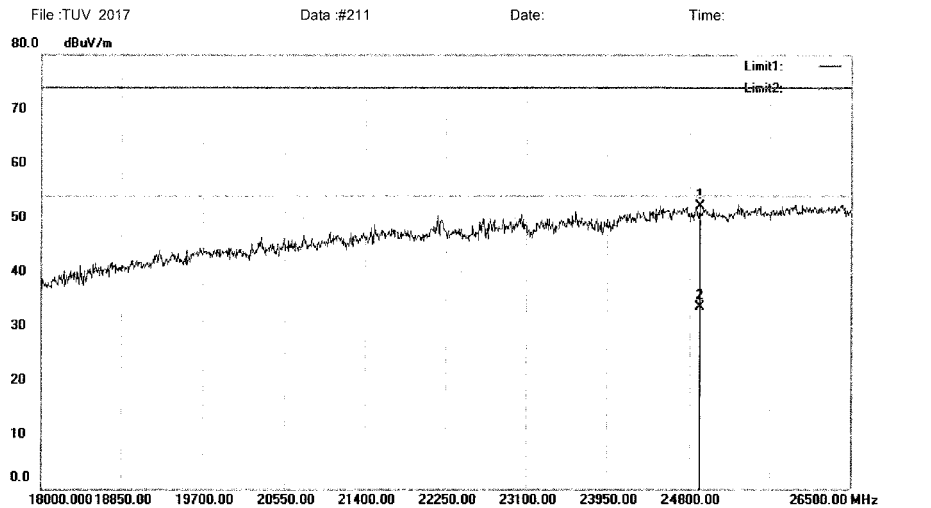
*: Maximum data x: Over limit !: over margin

Operator: KK

File: TUV 2017\Data: #210

Page: 1

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 3DH1 2480
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24902.00	89.06	-37.02	52.04	74.00	-21.96	peak		
2	*	24902.00	70.62	-37.02	33.60	54.00	-20.40	AVG		

*: Maximum data x: Over limit !: over margin

Operator: KK

File: TUV 2017\Data: #211

Page: 1

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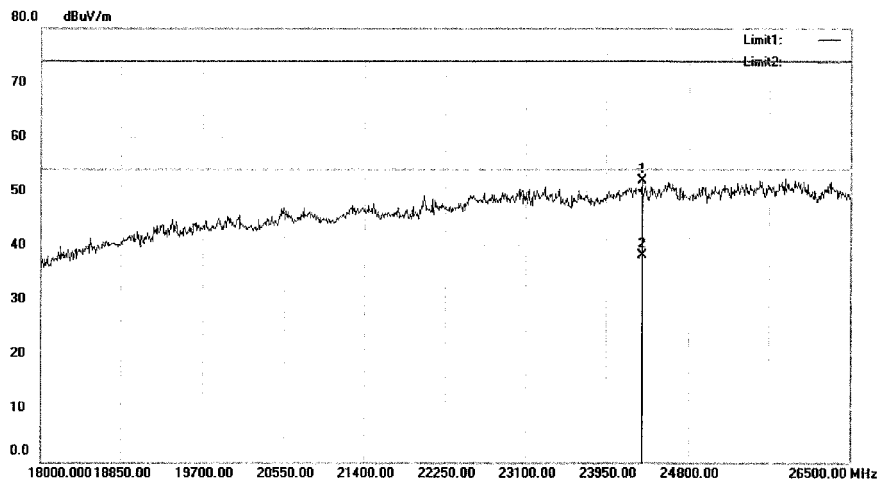

Radiated Emission Measurement

File :TUV 2017

Data :#212

Date:

Time:



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode: BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24324.00	88.94	-37.09	51.85	74.00	-22.15	peak		
2	*	24324.00	75.29	-37.09	38.20	54.00	-15.80	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#212

Page: 1

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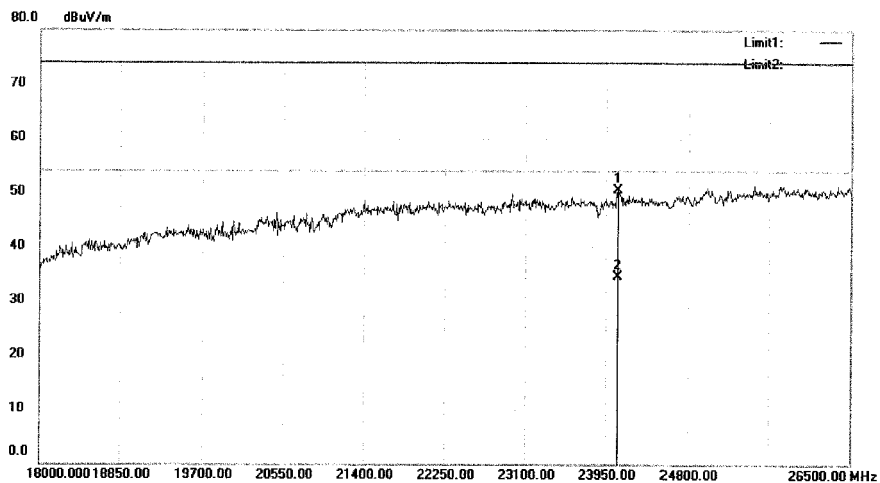

Radiated Emission Measurement

File :TUV 2017

Data :#213

Date:

Time:



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:BLE 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24077.50	87.62	-37.12	50.50	74.00	-23.50	peak		
2	*	24077.50	71.72	-37.12	34.60	54.00	-19.40	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#213

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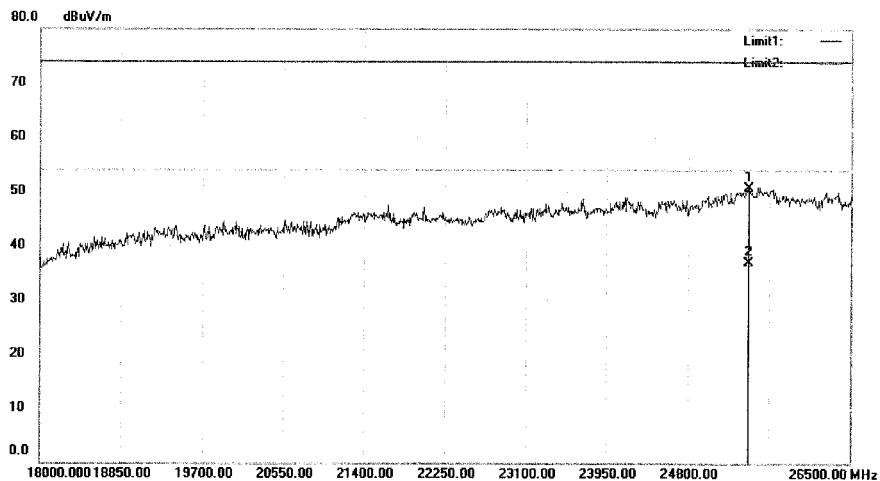

Radiated Emission Measurement

File :TUV 2017

Data :#214

Date:

Time:



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:BLE 2440

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25437.50	87.25	-36.48	50.77	74.00	-23.23	peak		Comment
2	*	25437.50	73.38	-36.48	36.90	54.00	-17.10	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#214

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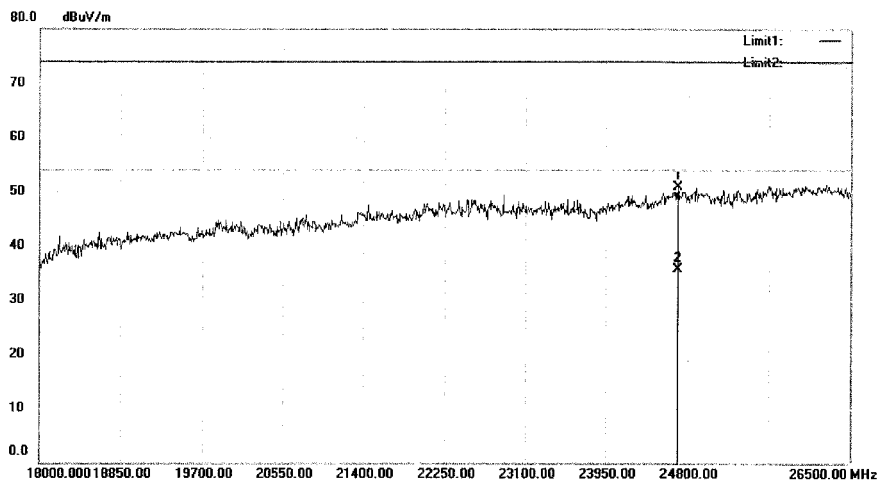

Radiated Emission Measurement

File :TUV 2017

Data :#215

Date:

Time:



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:BLE 2440

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24689.50	87.95	-37.05	50.90	74.00	-23.10	peak		Comment
2	*	24689.50	72.75	-37.05	35.70	54.00	-18.30	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#215

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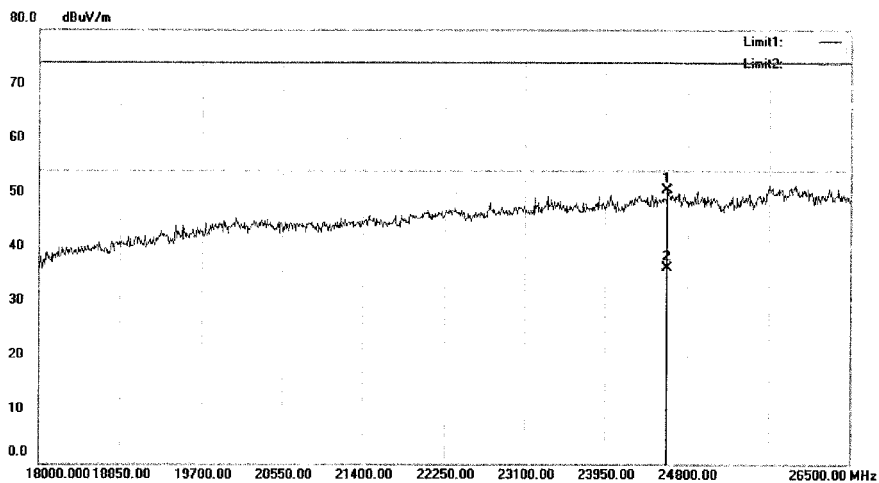

Radiated Emission Measurement

File :TUV 2017

Data :#216

Date:

Time:



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24604.50	87.48	-37.06	50.42	74.00	-23.58	peak		
2	*	24604.50	73.26	-37.06	36.20	54.00	-17.80	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#216

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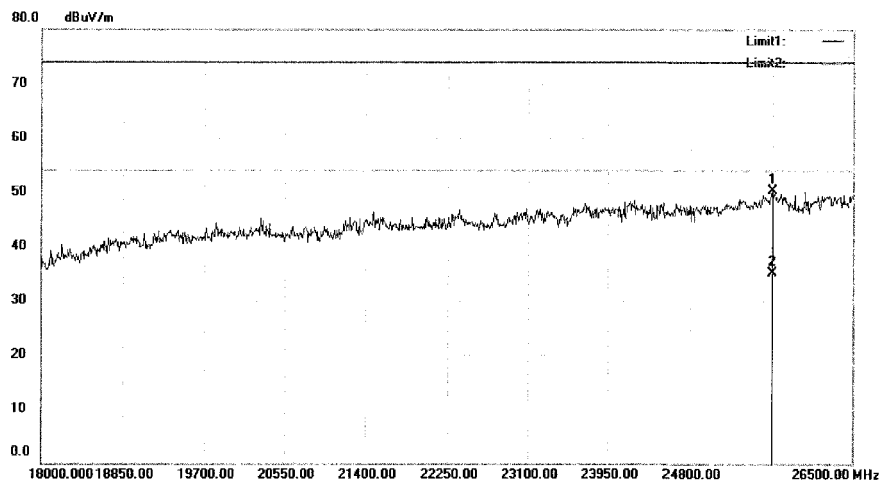

Radiated Emission Measurement

File :TUV 2017

Data :#217

Date:

Time:



Site: 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode: BLE 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25650.00	86.54	-36.22	50.32	74.00	-23.68	peak		
2	*	25650.00	71.42	-36.22	35.20	54.00	-18.80	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data :#217

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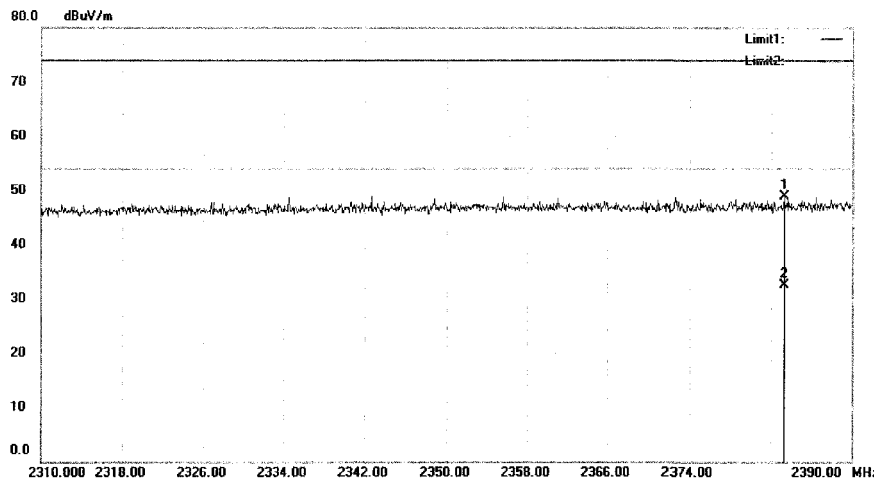

Radiated Emission Measurement

File: TUV(HUAKE)

Data: #27

Date: 2017/05/06

Time:



Site: 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode: GFSK(2402MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2383.280	35.68	13.15	48.83	74.00	-25.17	peak		Comment
2	*	2383.280	19.35	13.15	32.50	54.00	-21.50	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV(HUAKE)\Data: #27

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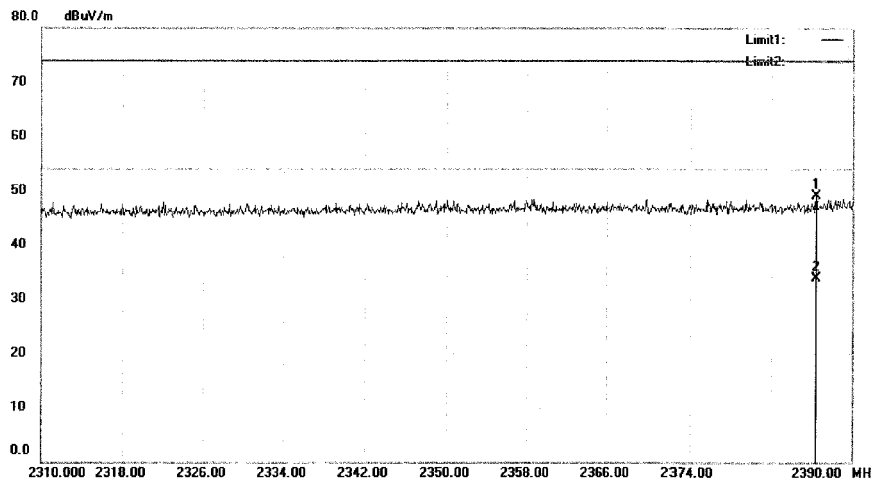

Radiated Emission Measurement

File :TUV(HUAKE)

Data :#28

Date: 2017/05/06

Time:



Site: 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode: GFSK(2402MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2386.400	35.84	13.17	49.01	74.00	-24.99	peak		
2	*	2386.400	20.73	13.17	33.90	54.00	-20.10	AVG		

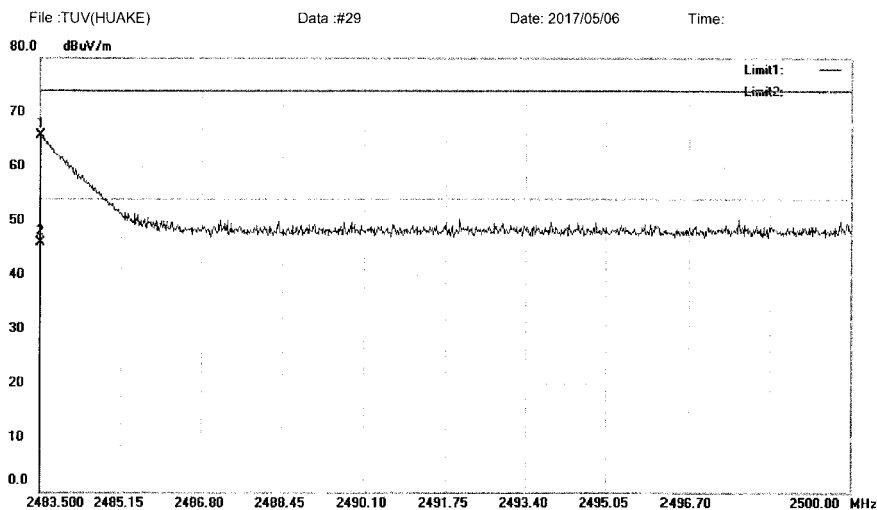
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#28

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Radiated Emission Measurement


Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode:GFSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	51.87	13.91	65.78	74.00	-8.22	peak		Comment
2	*	2483.500	31.99	13.91	45.90	54.00	-8.10	AVG		

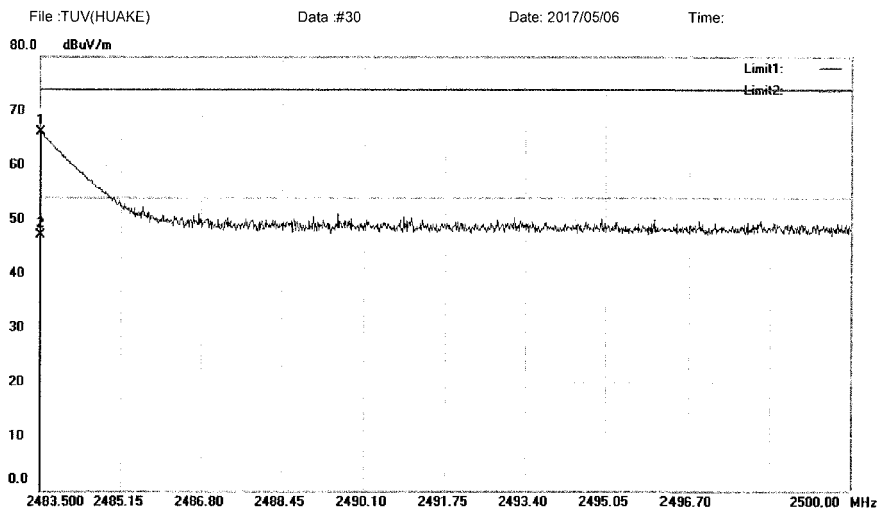
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#29

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: GFSK(2480MHz)
 Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	2483.500	52.23	13.91	66.14	74.00	-7.86	peak		
2 *	2483.500	33.29	13.91	47.20	54.00	-6.80	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV(HUAKE)\Data: #30

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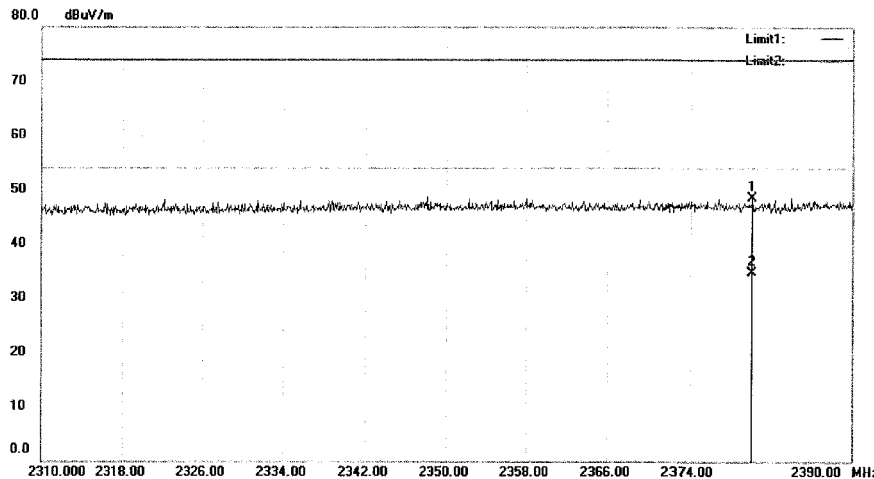

Radiated Emission Measurement

File :TUV(HUAKE)

Data :#34

Date: 2017/05/06

Time:



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:8DPSK(2402MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2380.160	35.43	13.13	48.56	74.00	-25.44	peak		Comment
2	*	2380.160	21.57	13.13	34.70	54.00	-19.30	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#34

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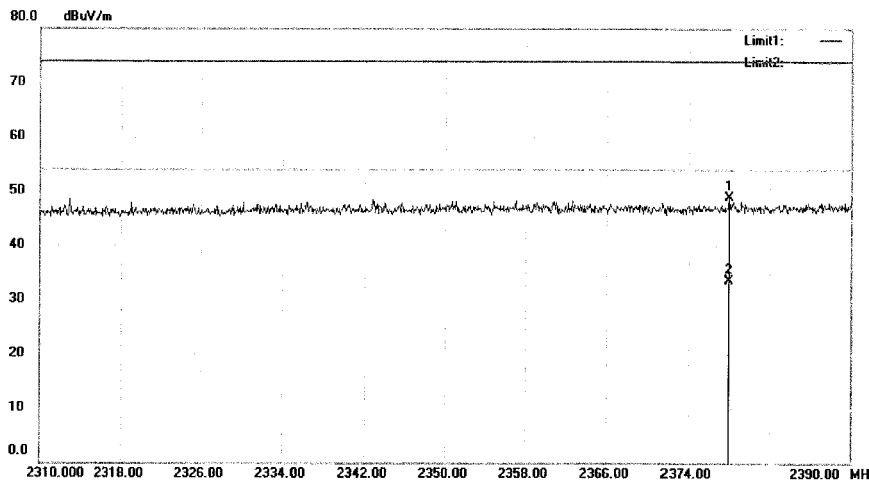

Radiated Emission Measurement

File :TUV(HUAKE)

Data :#33

Date: 2017/05/06

Time:



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:8DPSK(2402MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2378.000	35.83	13.10	48.93	74.00	-25.07	peak		
2	*	2378.000	20.50	13.10	33.60	54.00	-20.40	AVG		

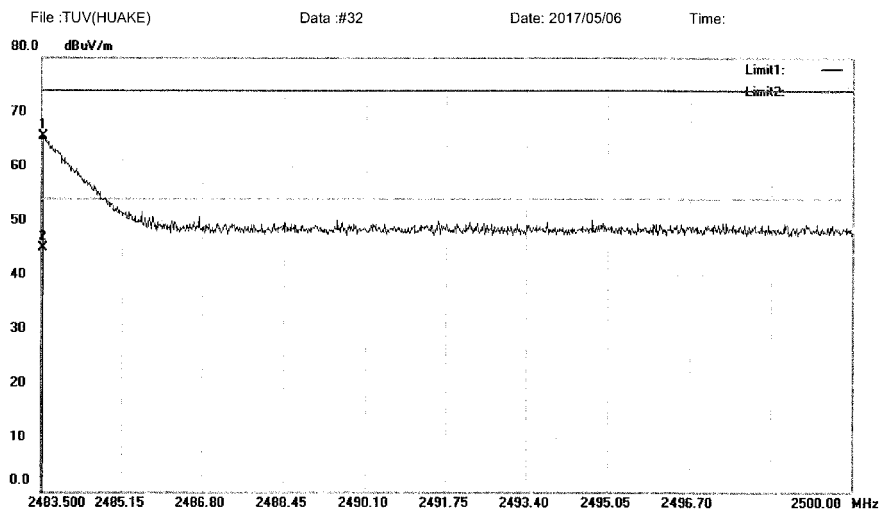
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#33

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 8DPSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	2483.533	51.51	13.91	65.42	74.00	-8.58	peak		Comment
2		2483.533	30.99	13.91	44.90	54.00	-9.10	AVG		

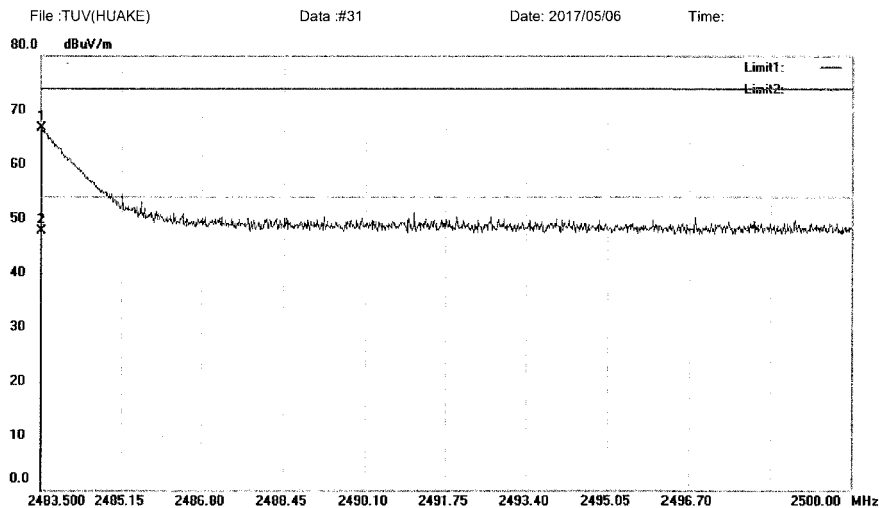
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV(HUAKE)\Data: #32

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: 8DPSK(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.517	52.89	13.91	66.80	74.00	-7.20	peak		
2	*	2483.517	33.79	13.91	47.70	54.00	-6.30	AVG		

*: Maximum data x: Over limit !: over margin

Operator: KK

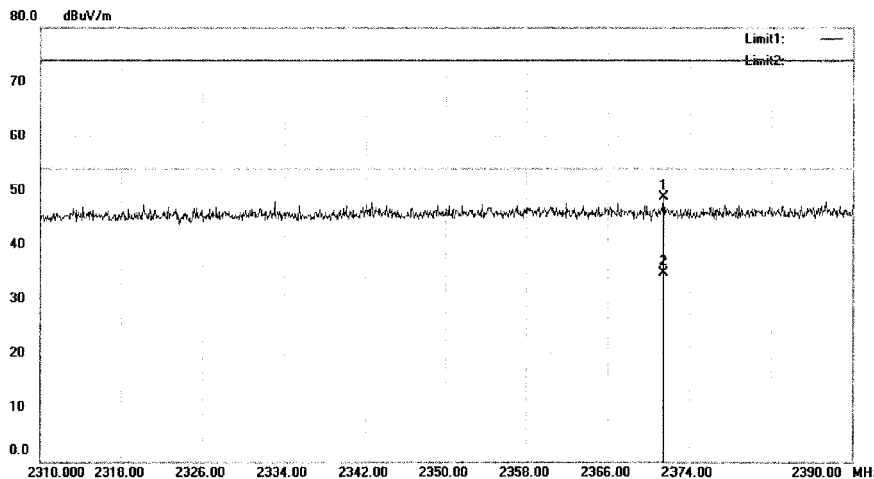
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Radiated Emission Measurement

File :TUV(HUAKE) Data :#20 Date: 2017/05/06 Time:



Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: BLE(2402MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2371.600	35.57	13.06	48.63	74.00	-25.37	peak		Comment
2	*	2371.600	21.64	13.06	34.70	54.00	-19.30	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data :#20

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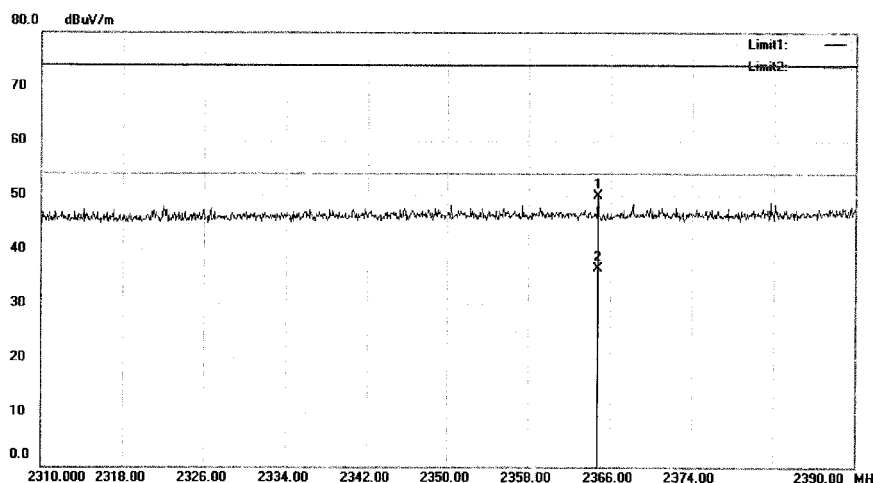

Radiated Emission Measurement

File :TUV(HUAKE)

Data #19

Date: 2017/05/06

Time:



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Tablet PC

M/N: NS-P11A8100

Mode:BLE(2402MHz)

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2364.720	36.98	13.01	49.99	74.00	-24.01	peak		
2	*	2364.720	23.49	13.01	36.50	54.00	-17.50	AVG		

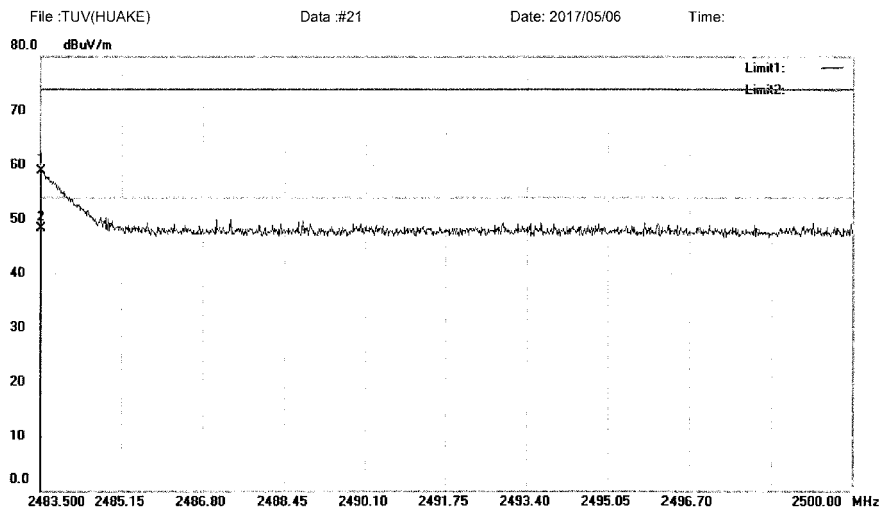
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV(HUAKE)\Data #19

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Radiated Emission Measurement


Site: 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: BLE(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	44.97	13.91	58.88	74.00	-15.12	peak		Comment
2	*	2483.500	34.30	13.91	48.21	54.00	-5.79	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

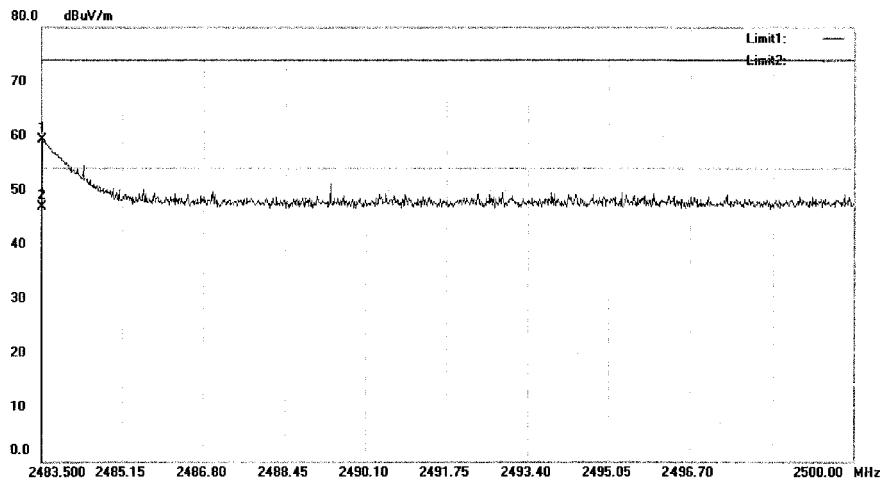
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Radiated Emission Measurement

File: TUV(HUAKE) Data: #22 Date: 2017/05/06 Time:



Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: BLE(2480MHz)
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2483.500	45.42	13.91	59.33	74.00	-14.67	peak		
2	*	2483.500	32.99	13.91	46.90	54.00	-7.10	AVG		

*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV(HUAKE)\Data: #22

Page: 1

5.1.8 Frequency Separation

RESULT:**Pass**

Date of testing : 2017-05-19
Test standard : FCC part 15.247(a)(1)
RSS-247 clause 5.1(2)
Basic standard : ANSI C63.10: 2013
Limit : $\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth,
whichever is greater
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.1.a
Ambient temperature : 24°C
Relative humidity : 53%
Atmospheric pressure : 101kPa

Table 14: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	0.999	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	0.999	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2479	0.999	$\geq 25\text{kHz}$ or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2480			

Prüfbericht - Nr.: 50094373 001

Test Report No.

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5.1.9 Number of hopping frequency**RESULT:****Pass**

Date of testing : 2017-05-19
Test standard : FCC part 15.247(a)(1)(iii)
RSS-247 clause 5.1(4)
Basic standard : ANSI C63.10: 2013
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.1.b
Ambient temperature : 24°C
Relative humidity : 53%
Atmospheric pressure : 101kPa

Table 15: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2402 to 2480MHz	79	≥ 15	Pass

5.1.10 Time of Occupancy

RESULT:

Pass

Date of testing	:	2017-05-19
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-247 clause 5.1(4)
Basic standard	:	ANSI C63.10: 2013
Limits	:	0.4s
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	24°C
Relative humidity	:	53%
Atmospheric pressure	:	101kPa

Table 16: Test result of Time of Occupancy

Mode	Packet Type	Channel Frequency (MHz)	Packet Duration [ms]	Number of Hops per Channel	Dwell Time (ms)	Limit [ms]
BDR	DH1	2402	0.372	322	119.784	400
		2441	0.372	322	119.784	400
		2480	0.372	322	119.784	400
	DH3	2402	1.631	165	269.115	400
		2441	1.631	165	269.115	400
		2480	1.631	165	269.115	400
	DH5	2402	2.880	126	362.880	400
		2441	2.870	126	361.620	400
		2480	2.880	126	362.880	400
EDR	3DH1	2402	0.380	322	122.360	400
		2441	0.384	322	123.648	400
		2480	0.380	322	122.360	400
	3DH3	2402	1.631	164	267.484	400
		2441	1.631	164	267.484	400
		2480	1.624	164	266.336	400
	3DH5	2402	2.880	125	360.000	400
		2441	2.880	125	360.000	400
		2480	2.870	125	358.750-	400

5.1.11 Conducted emissions**RESULT:****Pass**

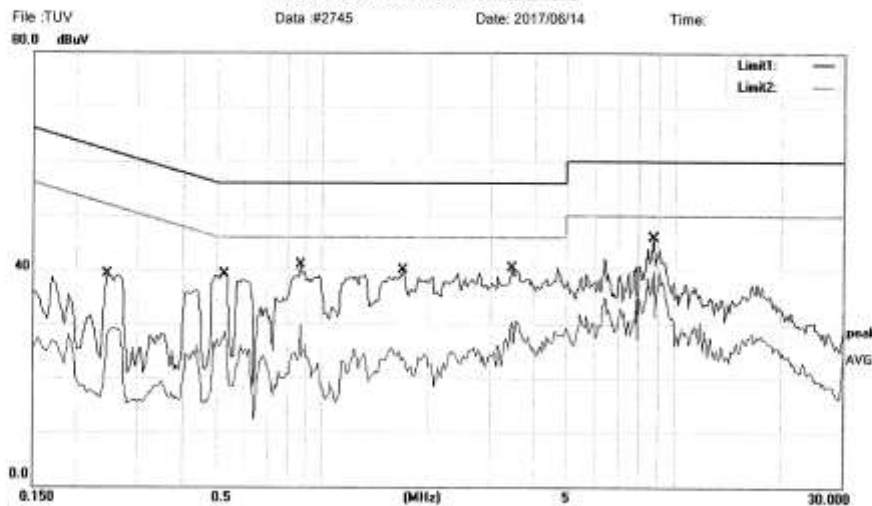
Date of testing	:	2017-06-14
Test standard	:	FCC Part 15.207 RSS-Gen Clause 8.8
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207 Table 3 of RSS-Gen
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A
Earthing	:	Not Connected
Ambient temperature	:	22°C
Relative humidity	:	55%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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Conducted Emission Measurement


Site: Conduction #1 Phase: **L1** Temperature: 22
 Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 55 %
 EUT: Tablet PC
 M/N: NS-P11A8100
 Mode: WIFI+BT ON
 Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV	dBuV	dB		
1		0.2450	39.13	0.00	39.13	61.92	-22.79	QP	
2		0.2450	29.12	0.00	29.12	51.92	-22.80	AVG	
3		0.5250	39.18	0.00	39.18	56.00	-16.82	QP	
4		0.5250	28.49	0.00	28.49	46.00	-17.51	AVG	
5		0.8700	40.96	0.00	40.96	56.00	-15.04	QP	
6		0.8700	29.63	0.00	29.63	46.00	-16.37	AVG	
7		1.7000	39.98	0.00	39.98	56.00	-16.02	QP	
8		1.7000	25.52	0.00	25.52	46.00	-20.48	AVG	
9		3.4450	40.26	0.00	40.26	56.00	-15.74	QP	
10		3.4450	30.53	0.00	30.53	46.00	-15.47	AVG	
11		8.7500	45.86	0.00	45.86	60.00	-14.14	QP	
12	*	8.7500	39.98	0.00	39.98	50.00	-10.02	AVG	

*:Maximum data x:Over limit l:over margin Comment: Factor build in receiver. Operator: Stan

File: TUVData: #2745

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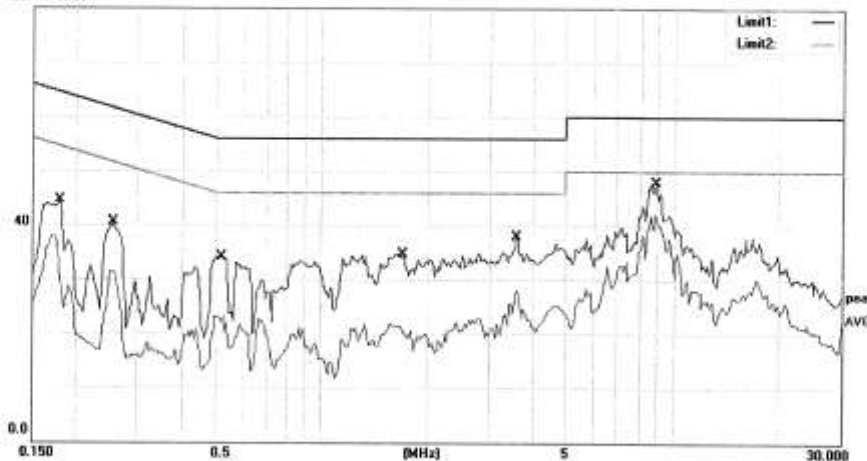

Conducted Emission Measurement

File: TUV
 00.0 dBuV

Data: #2746

Date: 2017/06/14

Time:



Site: Conduction #1

Limit: (CE)FCC PART 15 class B_QP

EUT: Tablet PC

M/N: NS-P11A8100

Mode: WIFI+BT ON

Note:

Phase: N

Power: AC 120V/60Hz

Temperature: 22

Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1800	44.50	0.00	44.50	64.49	-19.99	QP	
2		0.1800	37.99	0.00	37.99	54.49	-16.50	AVG	
3		0.2550	40.47	0.00	40.47	61.59	-21.12	QP	
4		0.2550	31.55	0.00	31.55	61.59	-20.04	AVG	
5		0.5200	34.12	0.00	34.12	56.00	-21.88	QP	
6		0.5200	23.26	0.00	23.26	46.00	-22.74	AVG	
7		1.7000	34.69	0.00	34.69	56.00	-21.31	QP	
8		1.7000	21.86	0.00	21.86	46.00	-24.14	AVG	
9		3.5800	37.97	0.00	37.97	56.00	-18.03	QP	
10		3.5800	28.00	0.00	28.00	46.00	-18.00	AVG	
11		8.8800	47.81	0.00	47.81	60.00	-12.19	QP	
12	*	8.8800	42.09	0.00	42.09	50.00	-7.91	AVG	

*:Maximum data x:Over limit l:over margin Comment: Factor build in receiver. Operator: Stan

File: TUVData: #2746

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