

<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>50090969 003</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>164095986</b>	Seite 1 von 25 Page 1 of 25	
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	N/A	<b>Auftragsdatum:</b> <i>Order date:</i>	07.06.2017		
<b>Auftraggeber:</b> <i>Client:</i>	Lightcomm Technology Co., Ltd. RM 1808 18F, FO TAN INDUSTRIAL CENTRE, NOS. 26-28 AU PUI WAN STREET, FO TAN SHATIN NEW TERRITORIES, HONGKONG				
<b>Prüfgegenstand:</b> <i>Test item:</i>	10.1" Flex Tablet for Android with Detachable Keyboard				
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	NS-P10A8100K, NS-P10A8100K-C, xxxxxxP10A81xxxxxx, MID1028-MA (x=0-9, A-Z, a-z, - or blank, for market purpose only) (Trademark: INSIGNIA)				
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	FCC/IC Certification				
<b>Prüfgrundlage:</b> <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.407 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 KDB 789033 D02 v01				
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	07.06.2017				
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	A000561697-006 to A000561697-008				
<b>Prüfzeitraum:</b> <i>Testing period:</i>	16.06.2017 - 12.07.2017				
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	EMTEK (Shenzhen) Co., Ltd.				
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.				
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass				
<b>geprüft von / tested by:</b>		<b>kontrolliert von / reviewed by:</b>			
12.07.2017 Alex Lan / Project Engineer		12.07.2017 Owen Tian/Technical Certifier			
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges / Other:</b> FCC ID: XMF-MID1028 IC: 20064-MID1028      HVIN: NS-P10A8100K					
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>			Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* 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					
<b>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.</b> <i>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.</i>					

## TEST SUMMARY

**5.1.1 ANTENNA REQUIREMENT***RESULT: Pass***5.1.2 CONDUCTED OUTPUT POWER***RESULT: Pass***5.1.3 26dB BANDWIDTH***RESULT: Pass***5.1.4 FREQUENCY STABILITY***RESULT: Pass***5.1.5 99% BANDWIDTH***RESULT: Pass***5.1.6 6dB BANDWIDTH***RESULT: Pass***5.1.7 POWER SPECTRAL DENSITY***RESULT: Pass***5.1.8 SPURIOUS EMISSION***RESULT: Pass***5.1.9 CONDUCTED EMISSIONS***RESULT: Pass*

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## 1. General Remarks

### 1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendixes:

Appendix A: Test data of 5G Wi-Fi.

## 2. Test Sites

### 2.1 Test Facilities

EMTEK (Shenzhen) 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
<b>Transmitter spurious emissions</b>				
EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	2018-05-20
Loop Antenna	Schwarzbeck	FMZB 1519	1519-012	2018-05-20
Cable	H+B	3M SF104-26.5	□□□□□□□□ □	2018-05-21
Cable	H+B	6M SF104-26.5	295840/4	2018-05-21
Pre-Amplifier	HP	8447F	2944A07999	2018-05-20
Bilog Antenna	Schwarzbeck	VULB9163	142	2018-05-21
Cable	Schwarzbeck	AK9513	□□□□□□	2018-05-20
Cable	Rosenberger	N/A	FP2RX2	2018-05-20
Cable	Schwarzbeck	AK9513	CRPX1	2018-05-21
Cable	Schwarzbeck	AK9513	CRRX2	2018-05-21
Pre-Amplifier	A.H.	PAM-0126	1415261	2018-05-20
Horn Antenna	Schwarzbeck	BBHA 9120	707	2018-05-21
Pre-Amplifier	A.H.	PAM-0126	1415261	2018-05-20
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA91703 99	2018-05-20
EMI Test Receiver	Rohde & Schwarz	FSV40	132.1- 3008K39- 100967-AP	2018-05-20
Pre-Amplifier	Lunar EM	LNA26G40-40	J101313102 8001	2018-05-20
Horn Antenna	AHS/USA	SAS-573	184	2018-05-20
Cable	H+B	0.5M SF104- 26.5	289147/4	2018-05-20
Cable	H+B	3M SF104-26.5	295838/4	2018-05-20
Cable	H+B	6M SF104-26.5	295840/4	2018-05-20
<b>Radio Spectrum Test</b>				
EMI Test Receiver	Rohde & Schwarz	ESCI	101045	2018-05-21
Vector Signal Generater	Agilent	N5182B	My53050553	2018-05-20
Analog Signal Generator	Agilent	N5171B	My53050878	2018-05-20
Signal Analyzer	Agilent	N9010A	My53470879	2018-05-21
Power Meter	Agilent	PS-X10-100	N/A	2018-05-21
Temp. / Humidity Chamber	Kingson	THS-M1	242	2018-05-20
<b>Conducted Emission</b>				
Test Receiver	Rohde & Schwarz	ESCI	26115-010- 0027	2018-05-20
L.I.S.N.	Rohde & Schwarz	ENV216	101161	2018-05-20
50Ω Coaxial Switch	Anritsu	MP59B	6100175589	2018-05-21
Voltage Probe	Rohde & Schwarz	ESH2-Z3	100122	2018-05-21

## 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**

<b>Parameter</b>	<b>Uncertainty</b>
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

EMTEK (Shenzhen) 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 Android 10.1" tablet with Wi-Fi, Bluetooth function.  
 All models are identical except the model name.  
 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	10.1" Flex Tablet for Android with Detachable Keyboard
Type Designation	NS-P10A8100K, NS-P10A8100K-C, xxxxxxP10A81xxxxx, MID1028-MA (x=0-9, A-Z, a-z, - or blank, for market purpose only)
FCC ID	XMF-MID1028
IC	20064-MID1028
HVIN	NS-P10A8100K
Operating Frequency band	5180 – 5240MHz, 5745 – 5825MHz
Extreme Temperature Range	0~+45°C
Operation Voltage	DC 3.7V, 6000mAh via butilt-in lithium-ion battery DC 5V via AC/DC adapter
Antenna Gain	1.32dBi

**Table 4: Technical Specification of 5GHz, 802.11a**

Operating mode(s) / WiFi	IEEE 802.11a
Test modulation	OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Transmit Frequency Range (MHz)	5180 - 5240, 5745 - 5825
Channel Number	9
Data Rate (Mbps)	6, 9, 12, 18, 24, 36, 48, 54
Maximum output power (dBm)	14

**Table 5: List of WLAN Channel of 5GHz 802.11a**

802.11a					
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	48	5240	157	5785
40	5200	149	5745	161	5805
44	5220	153	5765	165	5825



### 3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Wi-Fi mode
  - 1. Transmitting
    - a. 802.11a
- 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 C63.10: 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 Aohai Power Technology Co., Ltd	A88-502000	Input: AC 100-240V, 50/60Hz, 0.35A; Output: DC 5V, 2.0A

### 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.

## 4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test of below 1GHz

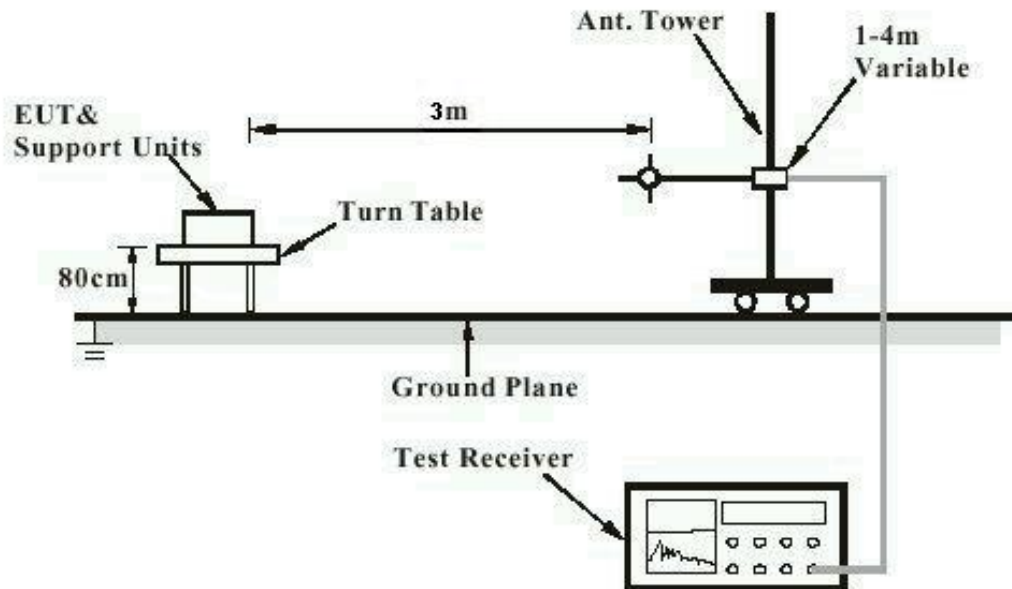


Diagram of Measurement Configuration for Radiation Test of above 1GHz

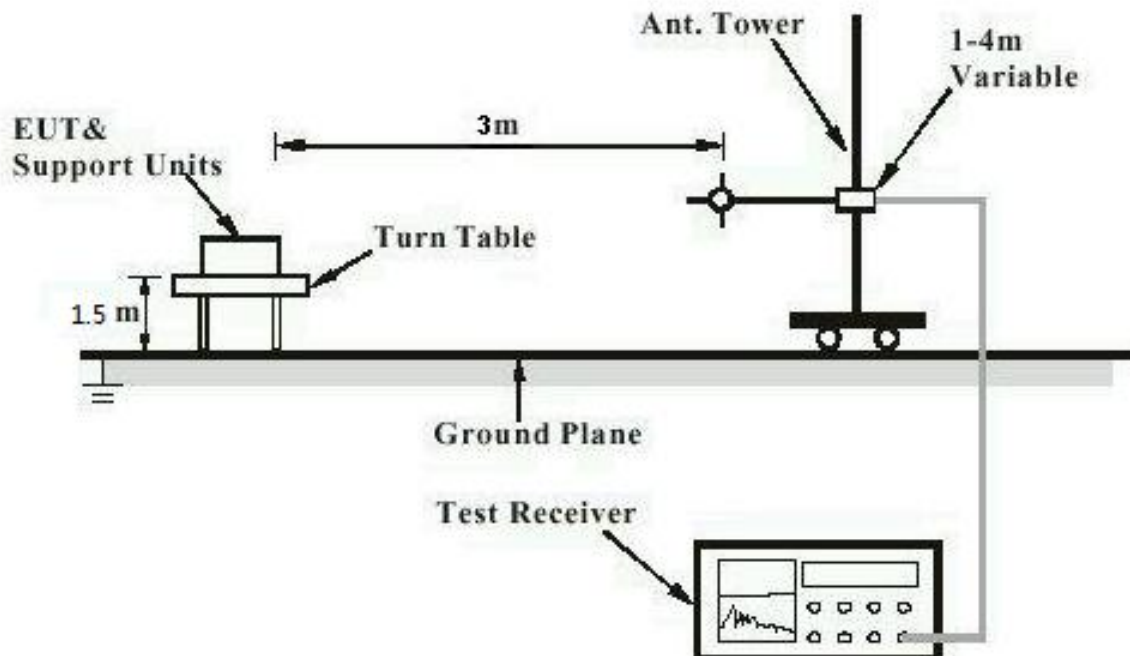


Diagram of Measurement Equipment Configuration for Conduction Measurement

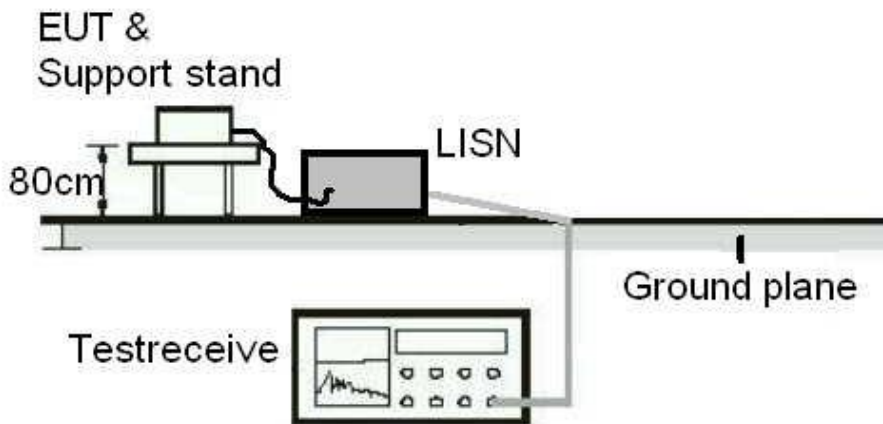
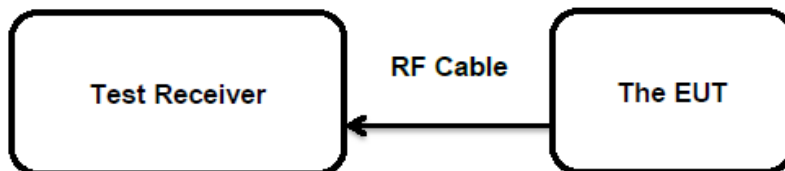


Diagram of Measurement Equipment Configuration for Transmitter Measurement



## 5. Test Results

### 5.1 Transmitter Requirement & Test Suites

#### 5.1.1 Antenna Requirement

**RESULT:****Pass**

Test standard : FCC Part 15.247(b)(4) & FCC 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 1.32 dBi, 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.

Refer to EUT Photo for further details.

## 5.1.2 Conducted Output Power

**RESULT:**
**Pass**

Test date	:	2017-07-12
Test standard	:	FCC Part 15.407(a)(1)(iv) FCC Part 15.407(a)(3) RSS-247 clause 6.2.1(1) RSS-247 clause 6.2.4(1)
Basic standard	:	ANSI C63.10: 2013
Limit	:	* Max e.i.r.p.<200mW (23dBm) (5150-5250MHz) *200 mW (23dBm) or 10 dBm + 10 logB, where B is the 99% emission bandwidth in MHz, where is lesser. Max conducted output power <1W (30dBm) (5725-5850MHz) 30dBm (Band U-NII-3)
Kind of test site	:	Shielded room

**Test setup**

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1
Ambient temperature	:	25°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

**Table 6: Test result of Conducted Output Power of Band U-NII-1**

Mode	Channel Frequency (MHz)	Conducted Output Power (dBm)	Limit (dBm)
802.11a	5180	10.94	23
	5200	11.37	23
	5240	12.12	23

**Table 7: Test result of Conducted Output Power of Band U-NII-3**

Mode	Channel Frequency (MHz)	Peak Output Power (dBm)	Limit (dBm)
802.11a	5745	11.96	30
	5785	11.68	30
	5825	13.16	30

Note: The max e.r.i.p is 14.63 dBm less than 4W (36dBm).

### 5.1.3 26dB Bandwidth

**RESULT:**
**Pass**

Date of testing : 2017-07-12  
 Test standard : FCC Part 15.407(a)(5)  
 Basic standard : ANSI C63.10: 2013  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1  
 Ambient temperature : 25°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101kPa

**Table 8: Test result of 26dB Bandwidth Band U-NII-1**

Mode	Channel Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)
802.11a	5180	30.52	N/A
	5200	32.54	N/A
	5240	32.90	N/A

**Table 9: Test result of 26dB Bandwidth of Band U-NII-3**

Mode	Channel Frequency (MHz)	26dB Bandwidth (MHz)	Limit (MHz)
802.11a	5745	29.38	N/A
	5785	27.92	N/A
	5825	27.41	N/A

### 5.1.4 Frequency Stability

**RESULT:** **Pass**

Date of testing : 2017-07-11  
 Test standard : FCC Part 15.407 (g)  
                           : RSS-Gen Clause 6.11  
 Basic standard : ANSI C63.10:2013  
 Limits : Within assigned bands  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1  
 Ambient temperature : 25°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101kPa

**Table 10: Test result of Frequency Stability Band U-NII-1**

Frequency	Voltage (Vac)	Temperature (°C)	Measured Frequency (MHz)	Frequency deviation (KHz)	ppm
5180MHz	120	0	5180.032623	32.623	6.30
		+10	5180.037206	37.206	7.18
		+20	5180.029322	29.322	5.66
		+30	5180.025950	25.950	5.01
		+40	5180.026881	26.881	5.19
		+45	5180.019868	19.868	3.84
	85	+25	5180.027973	27.973	5.40
	276	+25	5180.021791	21.791	4.21

Frequency	Voltage (Vac)	Temperature (°C)	Measured Frequency (MHz)	Frequency deviation (Hz)	ppm
5240MHz	120	0	5240.031280	31.280	5.97
		+10	5240.029844	29.844	5.70
		+20	5240.021868	21.868	4.17
		+30	5240.035667	35.667	6.81
		+40	5240.029081	29.081	5.55
		+45	5240.023684	23.684	4.52
	85	+25	5240.035176	35.176	6.71
	276	+25	5240.033466	33.466	6.39



**Table 11: Test result of Frequency Stability Band U-NII-3**

Frequency	Voltage (Vac)	Temperature (°C)	Measured Frequency (MHz)	Frequency deviation (Hz)	ppm
5745MHz	120	0	5745.022385	22.385	3.90
		+10	5745.019747	19.747	3.44
		+20	5745.026094	26.094	4.77
		+30	5745.033845	33.845	5.89
		+40	5745.041034	41.034	7.14
		+45	5745.025745	25.745	4.48
	85	+25	5745.023984	23.984	4.17
	276	+25	5745.031297	31.297	5.45

Frequency	Voltage (Vac)	Temperature (°C)	Measured Frequency (MHz)	Frequency deviation (Hz)	ppm
5825MHz	120	0	5825.028933	28.933	4.97
		+10	5825.034596	34.596	5.94
		+20	5825.023432	23.432	4.02
		+30	5825.040531	40.531	6.96
		+40	5825.030005	30.005	5.15
		+45	5825.025584	25.584	4.39
	85	+25	5825.023869	23.869	4.10
	276	+25	5825.035194	35.194	6.04

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### 5.1.5 99% Bandwidth

**RESULT:**
**Pass**

Date of testing : 2017-07-12  
 Test standard : RSS-Gen clause 6.6  
 Basic standard : ANSI C63.10: 2013  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1  
 Ambient temperature : 25°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101kPa

**Table 12: Test result of 99% Bandwidth Band U-NII-1**

Mode	Channel Frequency (MHz)	99% Bandwidth (MHz)	Limit (MHz)
802.11a	5180	17.255	N/A
	5200	17.431	N/A
	5240	18.345	N/A

**Table 13: Test result of 99% Bandwidth of Band U-NII-3**

Mode	Channel Frequency (MHz)	99% Bandwidth (MHz)	Limit (MHz)
802.11a	5745	17.250	N/A
	5785	17.000	N/A
	5825	17.030	N/A

### 5.1.6 6dB Bandwidth

**RESULT:**
**Pass**

Date of testing : 2017-07-12  
 Test standard : FCC Part 15.407(e)  
                   : RSS-247 clause 6.2.4(1)  
 Basic standard : ANSI C63.10: 2013  
 Limit : 500kHz for 6dB bandwidth  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation Mode : A.1  
 Ambient temperature : 25°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101kPa

**Table 14: Test result of 6dB Bandwidth Band U-NII-1**

Mode	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
802.11a	5180	15.18	≥0.5
	5200	15.17	≥0.5
	5240	15.17	≥0.5

**Table 15: Test result of 6dB Bandwidth of Band U-NII-3**

Mode	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
802.11a	5745	14.47	≥0.5
	5785	15.16	≥0.5
	5825	15.47	≥0.5

### 5.1.7 Power spectral density

**RESULT:**
**Pass**

Date of testing : 2017-07-12  
 Test standard : FCC Part 15.407(a)(1)(iv)  
                   : FCC Part 15.407(a)(3)  
                   : RSS-247 clause 6.2.1(1)  
                   : RSS-247 clause 6.2.4(1)  
 Basic standard : ANSI C63.10: 2013  
 Limit : 24dBm for FCC,  
           : \* Max e.i.r.p.<200mW (23dBm) (5150-5250MHz)  
           : \*200 mW (23dBm) or 10 dBm + 10 logB, where B is the  
           : 99% emission bandwidth in MHz, where is lesser.  
           : Max conducted output power <1W (30dBm) (5725-  
           : 5850MHz)  
 Kind of test site : Shielded room

**Test setup**

Test Channel : Low/ Middle/ High  
 Operation mode : A.1  
 Ambient temperature : 25°C  
 Relative humidity : 50%  
 Atmospheric pressure : 101kPa

**Table 16: Test result of power spectral density of Band U-NII-1**

Mode	Channel Frequency (MHz)	Result (dBm/MHz)	Limit (dBm/MHz)
802.11a	5180	-0.016	10
	5200	-0.303	10
	5240	-0.163	10

**Table 17: Test result of power spectral density of Band U-NII-3**

Mode	Channel Frequency (MHz)	Result (dBm/500kHz)	Limit (dBm/500kHz)
802.11a	5745	-2.631	30
	5785	-2.029	30
	5825	-2.026	30

**Prüfbericht - Nr.: 50090969 003**

Test Report No.

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### 5.1.8 Spurious Emission

**RESULT:****Pass**

Date of testing : 2017-07-04  
Test standard : FCC part 15.407(b)  
RSS-247 clause 6.2.1(2)  
RSS-247 clause 6.2.4(2)  
KDB789033 D02 v01  
Basic standard : ANSI C63.10: 2013  
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  
Ambient temperature : 24°C  
Relative humidity : 53%  
Atmospheric pressure : 101kPa

For details refer to appendix A.

**Prüfbericht - Nr.: 50090969 003**

Test Report No.

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### 5.1.9 Conducted emissions

**RESULT:****Pass**

Date of testing : 2017-06-16  
Test standard : FCC Part 15.207  
FCC part 15.407(b)(6)  
RSS-Gen Clause 8.8  
Basic standard : ANSI C63.10: 2013  
Frequency range : 0.15 – 30MHz  
Limits : FCC Part 15.207  
Kind of test site : Shield room

**Test setup**

Input Voltage : AC 120V, 60Hz  
Operation Mode : A.1  
Earthing : Not Connected  
Ambient temperature : 22°C  
Relative humidity : 55%  
Atmospheric pressure : 101kPa

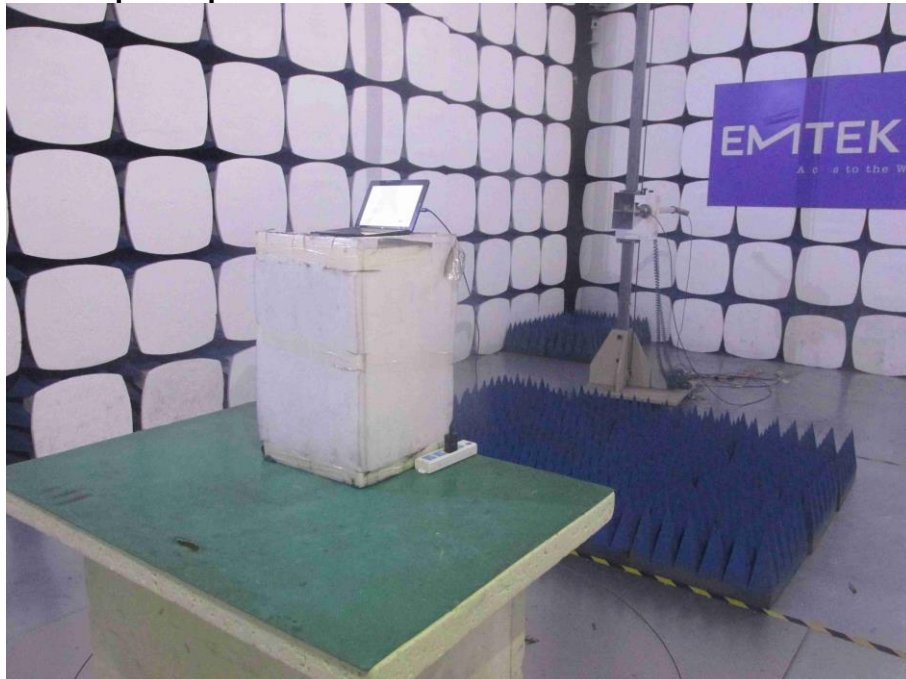
For details refer to appendix A.

## 6. Photographs of the Test Set-Up

Photograph 1: Set-up for Spurious Emissions for 30 - 1000MHz



Photograph 2: Set-up for Spurious Emissions for 1 - 18GHz



**Photograph 3: Set-up for Spurious Emissions for 18 - 40GHz**



**Photograph 4: Set-up for Conducted Emissions**





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Note 1: Testing was carried out within frequency range 9 kHz to the tenth harmonics. The measurement results below 30MHz and above 18 GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18 GHz were reported.

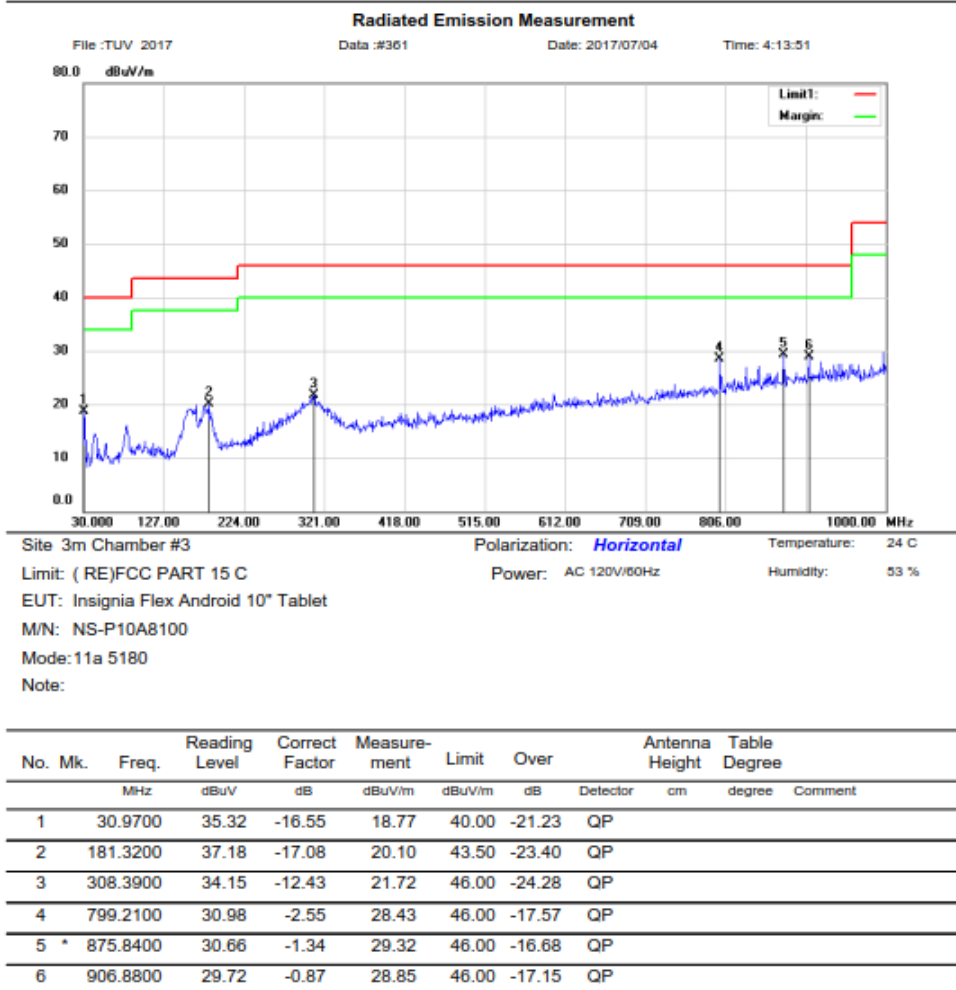
## 1. Transmitter Spurious Emissions of 802.11a mode

### 1.1 Transmitter Spurious Emissions, 30MHz - 1GHz

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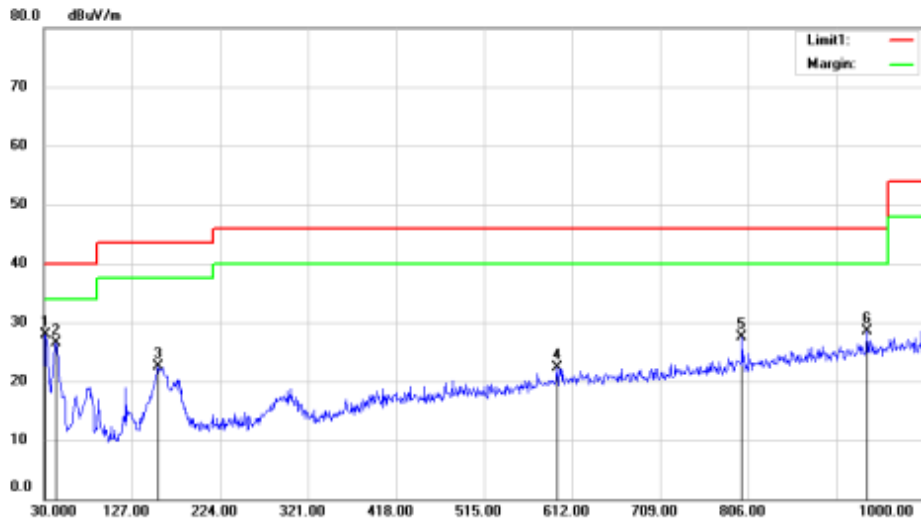
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**Radiated Emission Measurement**

File :TUV 2017 Data :#362 Date: 2017/07/04 Time: 4:15:01



Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C  
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode: 11a 5180  
 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	*	31.9400	44.39	-16.49	27.90	40.00	-12.10	QP		
2		43.5800	41.79	-15.25	26.54	40.00	-13.46	QP		
3		156.1000	41.44	-18.91	22.53	43.50	-20.97	QP		
4		595.5100	27.48	-5.24	22.24	46.00	-23.76	QP		
5		799.2100	30.07	-2.55	27.52	46.00	-18.48	QP		
6		936.9500	28.97	-0.54	28.43	46.00	-17.57	QP		

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

Operator: KK

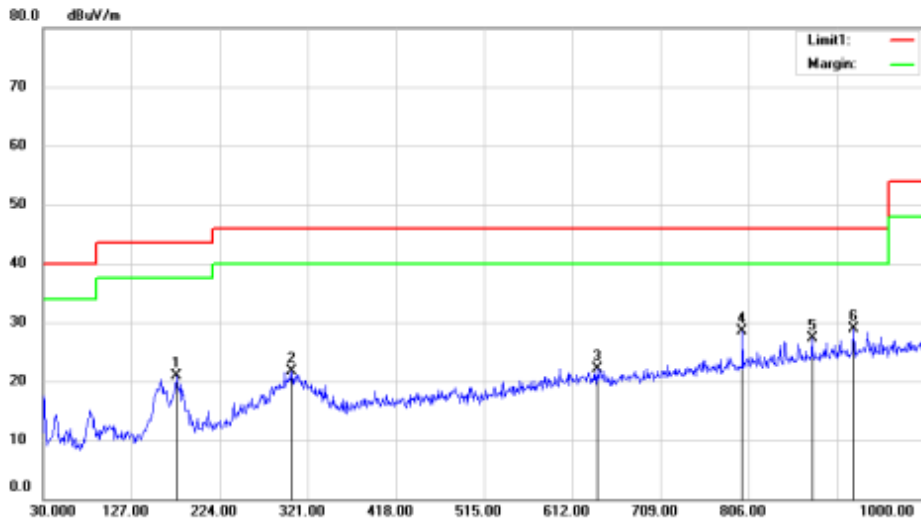
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**Radiated Emission Measurement**

File :TUV 2017 Data :#363 Date: 2017/07/04 Time: 4:34:32



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C  
 Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5200  
 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
1	176.4700	38.54	-17.59	20.95	43.50	-22.55	QP	
2	303.5400	34.15	-12.46	21.69	46.00	-24.31	QP	
3	639.1600	26.93	-4.80	22.13	46.00	-23.87	QP	
4	799.2100	31.04	-2.55	28.49	46.00	-17.51	QP	
5	875.8400	28.67	-1.34	27.33	46.00	-18.67	QP	
6 *	921.4300	29.62	-0.72	28.90	46.00	-17.10	QP	

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

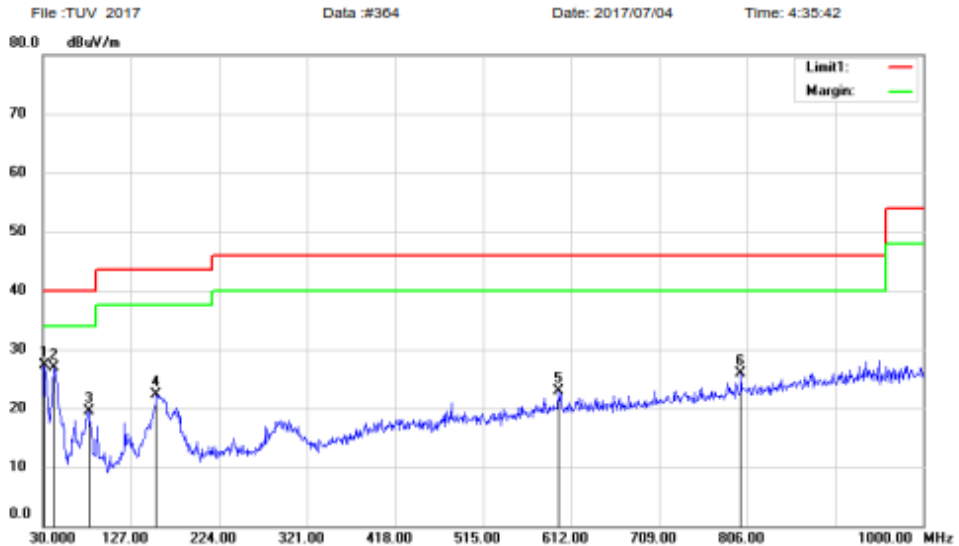
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**Radiated Emission Measurement**



Site: 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C  
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode: 11a 5200  
 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	*	31.9400	43.88	-16.49	27.39	40.00	-12.61	QP		
2		42.6100	42.19	-15.26	26.93	40.00	-13.07	QP		
3		80.4400	39.14	-19.71	19.43	40.00	-20.57	QP		
4		155.1300	41.36	-18.99	22.37	43.50	-21.13	QP		
5		598.4200	27.99	-5.17	22.82	46.00	-23.18	QP		
6		799.2100	28.54	-2.55	25.99	46.00	-20.01	QP		

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

Operator: KK

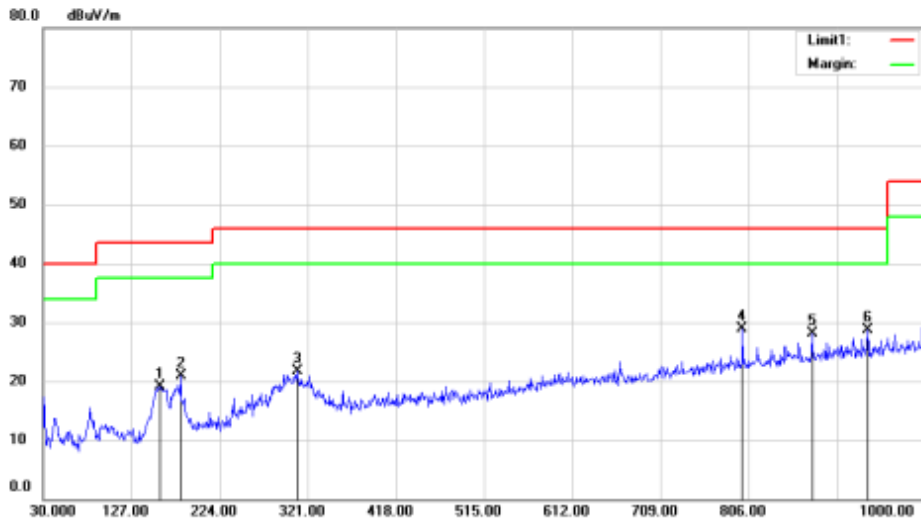
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**Radiated Emission Measurement**

File :TUV 2017 Data :#365 Date: 2017/07/04 Time: 4:36:52



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C  
 Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5240  
 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	158.0400	37.79	-18.77	19.02	43.50	-24.48	QP		
2	181.3200	37.89	-17.08	20.81	43.50	-22.69	QP		
3	309.3600	34.14	-12.42	21.72	46.00	-24.28	QP		
4 *	799.2100	31.55	-2.55	29.00	46.00	-17.00	QP		
5	875.8400	29.44	-1.34	28.10	46.00	-17.90	QP		
6	936.9500	29.23	-0.54	28.69	46.00	-17.31	QP		

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

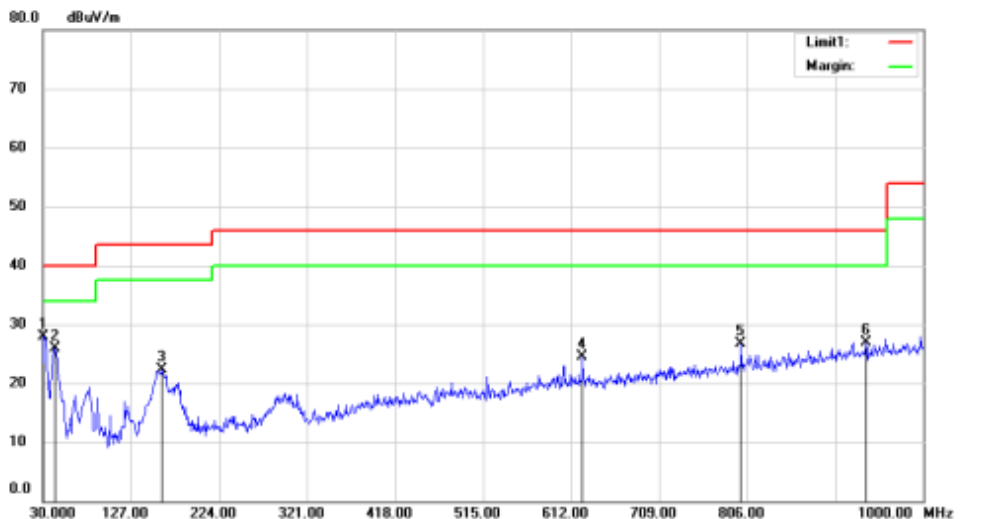
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**Radiated Emission Measurement**

File :TUV 2017 Data :#366 Date: 2017/07/04 Time: 4:35:02



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C  
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %  
EUT: Insignia Flex Android 10" Tablet  
M/N: NS-P10A8100  
Mode:11a 5240  
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	*	30.9700	44.50	-16.55	27.95	40.00	-12.05	QP		
2		43.5800	41.23	-15.25	25.98	40.00	-14.02	QP		
3		160.9500	40.95	-18.61	22.34	43.50	-21.16	QP		
4		624.6100	29.43	-4.93	24.50	46.00	-21.50	QP		
5		799.2100	29.23	-2.55	26.68	46.00	-19.32	QP		
6		936.9500	27.53	-0.54	26.99	46.00	-19.01	QP		

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

Operator: KK



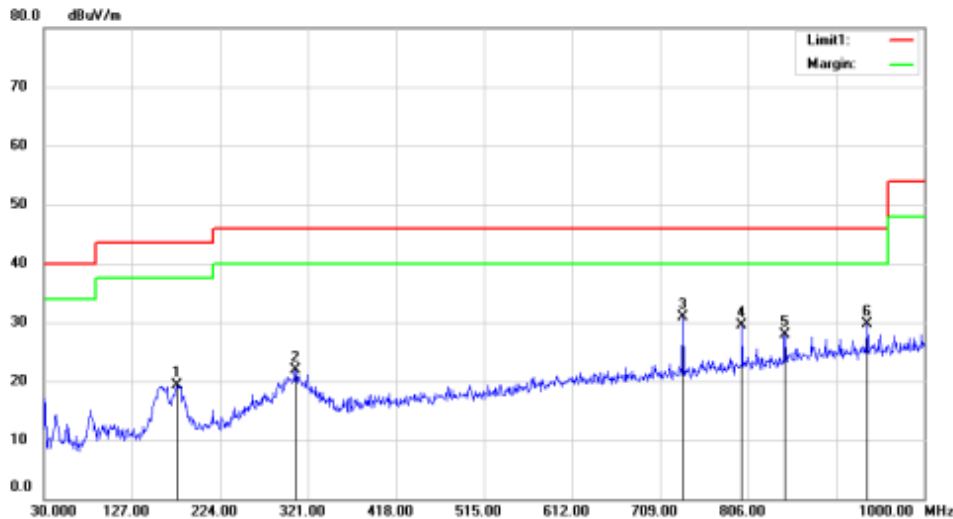
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**Radiated Emission Measurement**

File :TUV 2017 Data :#367 Date: 2017/07/04 Time: 4:38:13



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C  
 Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5745  
 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		176.4700	36.89	-17.59	19.30	43.50	-24.20	QP		
2		307.4200	34.37	-12.43	21.94	46.00	-24.06	QP		
3	*	734.2200	34.47	-3.60	30.87	46.00	-15.13	QP		
4		799.2100	31.99	-2.55	29.44	46.00	-16.56	QP		
5		846.7400	29.83	-1.83	28.00	46.00	-18.00	QP		
6		936.9500	30.16	-0.54	29.62	46.00	-16.38	QP		

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

Operator: KK

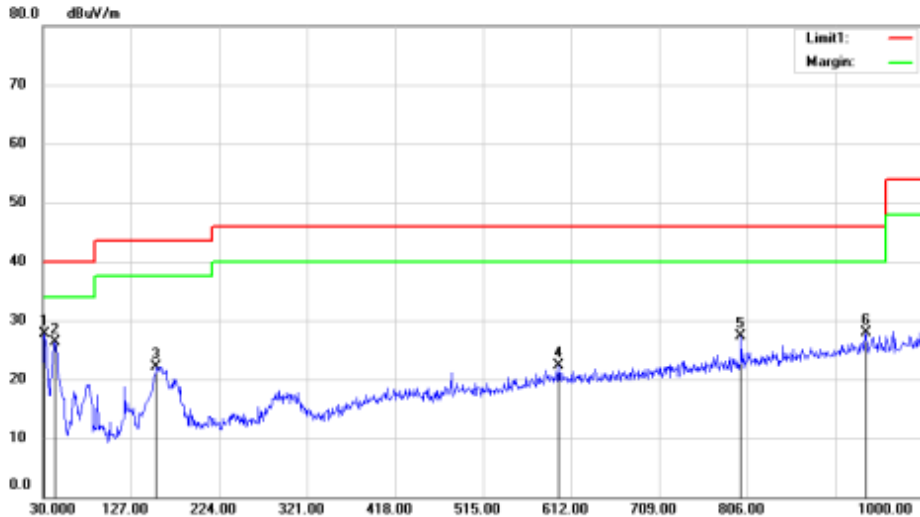
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**Radiated Emission Measurement**

File :TUV 2017 Data :#368 Date: 2017/07/04 Time: 4:40:22



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C  
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5745  
 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	*	31.9400	44.24	-16.49	27.75	40.00	-12.25	QP		
2		43.5800	41.48	-15.25	26.23	40.00	-13.77	QP		
3		155.1300	41.02	-18.99	22.03	43.50	-21.47	QP		
4		598.4200	27.40	-5.17	22.23	46.00	-23.77	QP		
5		799.2100	29.76	-2.55	27.21	46.00	-18.79	QP		
6		936.9500	28.42	-0.54	27.88	46.00	-18.12	QP		

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

Operator: KK

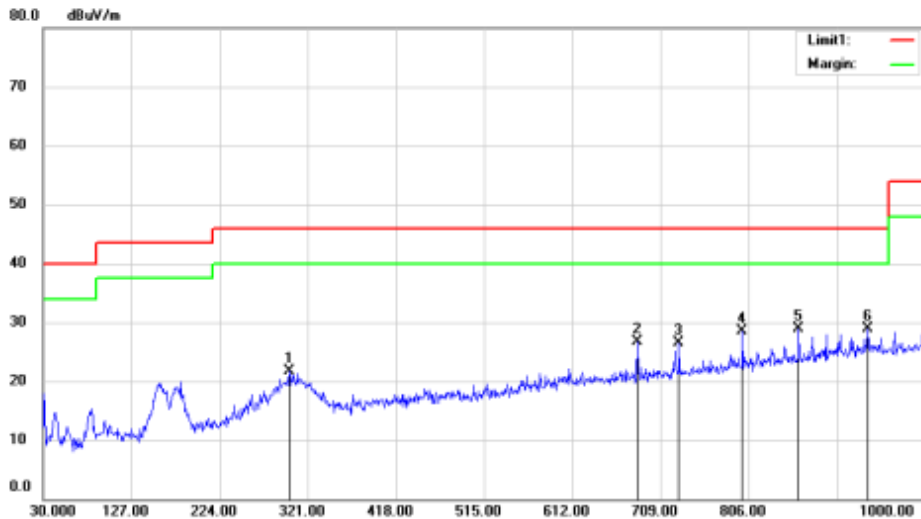
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**Radiated Emission Measurement**

File :TUV 2017 Data :#369 Date: 2017/07/04 Time: 4:41:33



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C  
 Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5785  
 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		300.6300	34.26	-12.47	21.79	46.00	-24.21	QP		
2		683.7800	31.07	-4.36	26.71	46.00	-19.29	QP		
3		729.3700	30.18	-3.69	26.49	46.00	-19.51	QP		
4		799.2100	31.00	-2.55	28.45	46.00	-17.55	QP		
5	*	861.2900	30.51	-1.58	28.93	46.00	-17.07	QP		
6		936.9500	29.43	-0.54	28.89	46.00	-17.11	QP		

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

Operator: KK

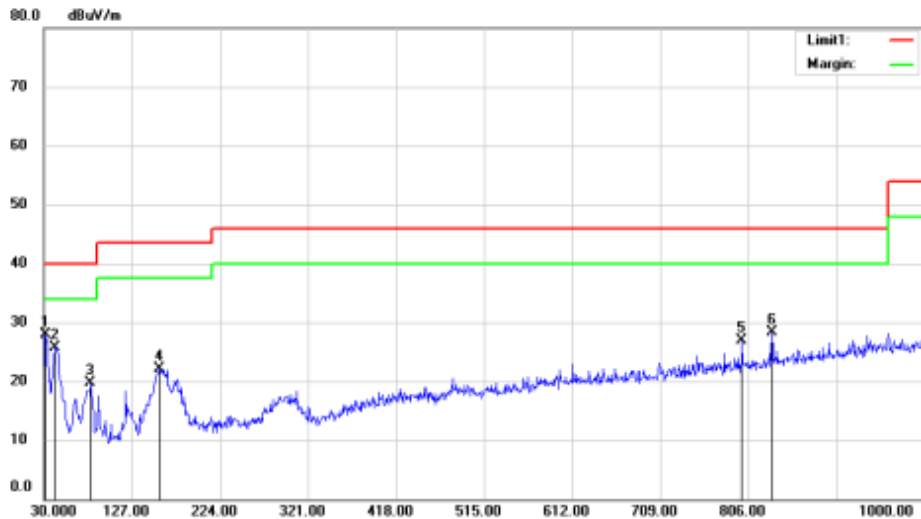
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**Radiated Emission Measurement**

File :TUV 2017 Data :#370 Date: 2017/07/04 Time: 4:42:43



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C  
 Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5785  
 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	*	31.9400	44.43	-16.49	27.94	40.00	-12.06	QP		
2		42.6100	40.99	-15.26	25.73	40.00	-14.27	QP		
3		81.4100	39.05	-19.39	19.66	40.00	-20.34	QP		
4		157.0700	40.86	-18.85	22.01	43.50	-21.49	QP		
5		799.2100	29.38	-2.55	26.83	46.00	-19.17	QP		
6		832.1900	30.43	-2.06	28.37	46.00	-17.63	QP		

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

Operator: KK

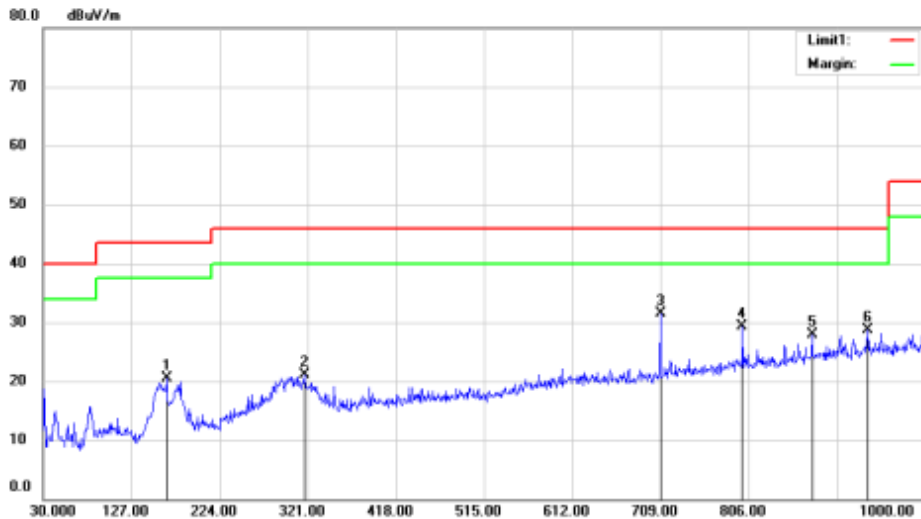
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**Radiated Emission Measurement**

File :TUV 2017      Data :#371      Date: 2017/07/04      Time: 4:43:54



Site: 3m Chamber #3      Polarization: **Horizontal**      Temperature: 24 C  
 Limit: (RE)FCC PART 15 C      Power: AC 120V/60Hz      Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode: 11a 5825  
 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	165.8000	38.99	-18.58	20.41	43.50	-23.09	QP		
2	317.1200	33.46	-12.38	21.08	46.00	-24.92	QP		
3 *	709.0000	35.59	-4.04	31.55	46.00	-14.45	QP		
4	799.2100	31.90	-2.55	29.35	46.00	-16.65	QP		
5	875.8400	29.27	-1.34	27.93	46.00	-18.07	QP		
6	936.9500	29.23	-0.54	28.69	46.00	-17.31	QP		

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

Operator: KK

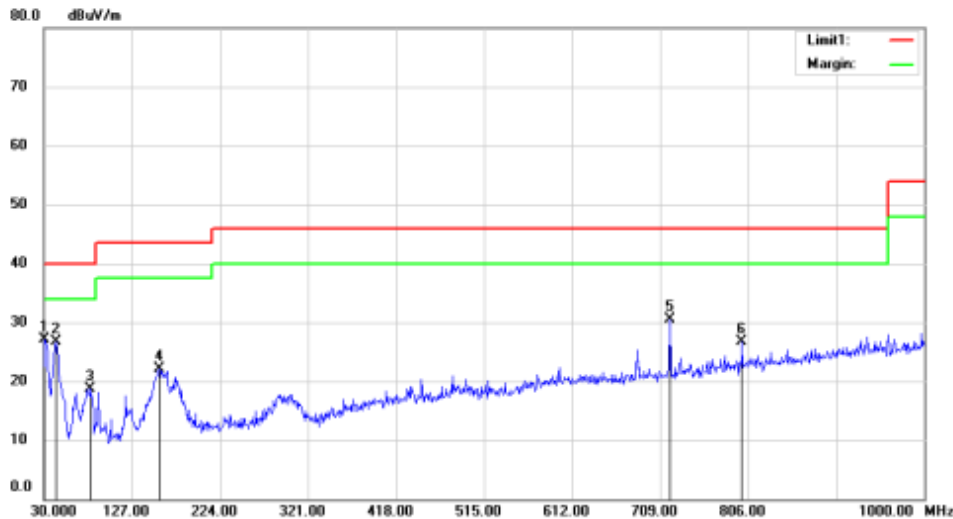
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**Radiated Emission Measurement**

File :TUV 2017 Data :#372 Date: 2017/07/04 Time: 4:45:04



Site 3m Chamber #3 Polarization: **Vertical** Temperature: 24 C  
 Limit: ( RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5825  
 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	*	30.9700	43.72	-16.55	27.17	40.00	-12.83	QP		
2		43.5800	41.90	-15.25	26.65	40.00	-13.35	QP		
3		80.4400	38.46	-19.71	18.75	40.00	-21.25	QP		
4		157.0700	40.98	-18.85	22.13	43.50	-21.37	QP		
5		719.6700	34.38	-3.85	30.53	46.00	-15.47	QP		
6		799.2100	29.17	-2.55	26.62	46.00	-19.38	QP		

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

Operator: KK

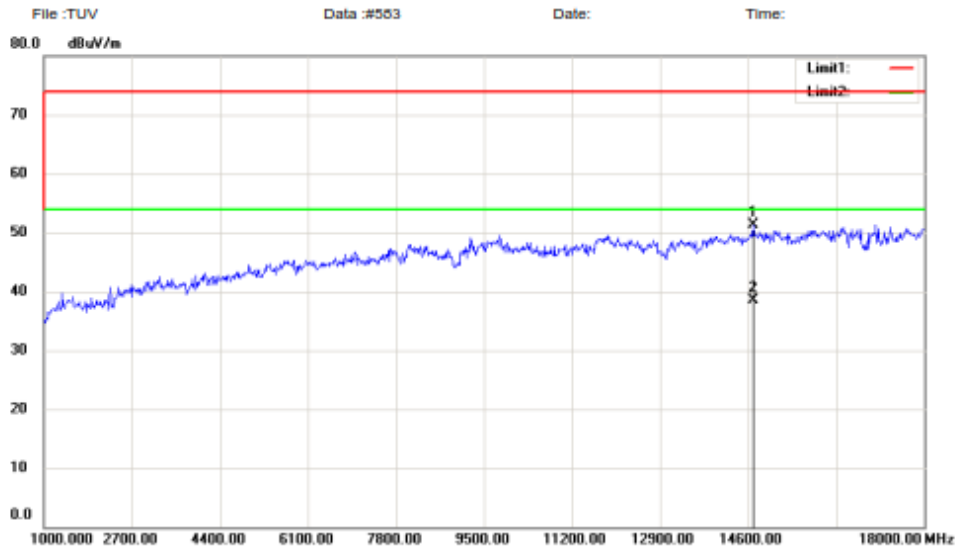
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**1.2 Transmitter Spurious Emissions, 1GHz - 18GHz**

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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Horizontal** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5180  
 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		14702.00	60.38	-9.06	51.32	74.00	-22.68	peak		
2	*	14702.00	47.56	-9.06	38.50	54.00	-15.50	AVG		

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

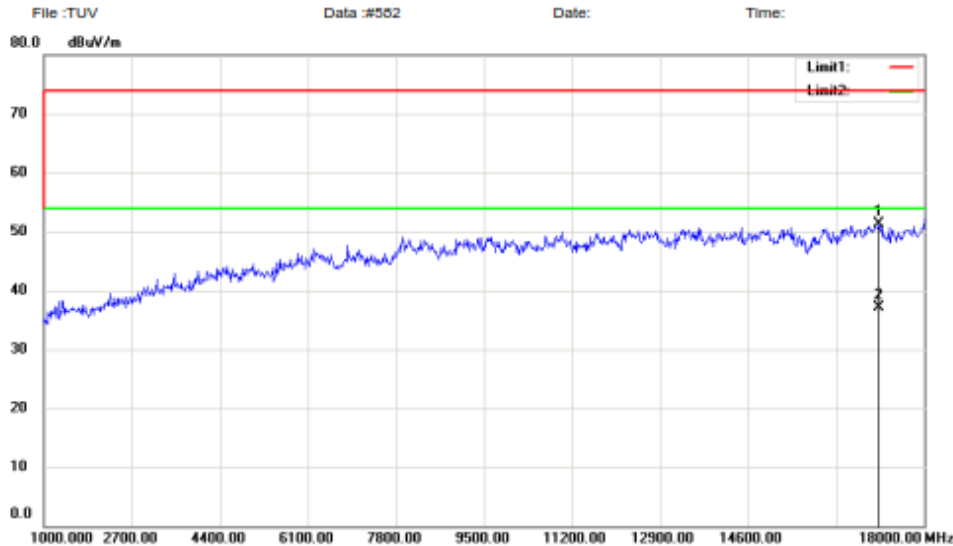
Operator: KK

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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Vertical** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5180  
 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		17133.00	58.88	-7.64	51.24	74.00	-22.76	peak		
2	*	17133.00	44.74	-7.64	37.10	54.00	-16.90	AVG		

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

Operator: KK

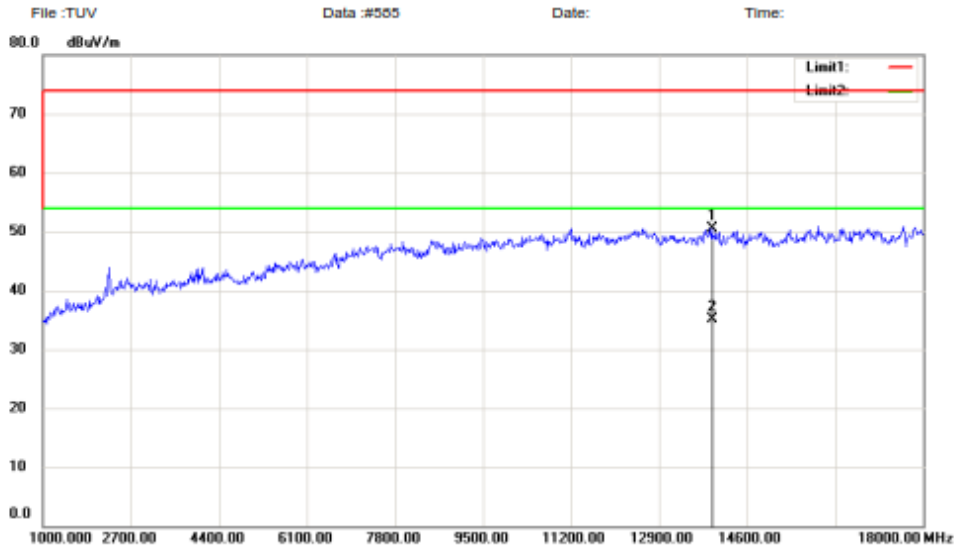


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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Horizontal** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5200  
 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		13920.00	58.73	-8.21	50.52	74.00	-23.48	peak		
2	*	13920.00	43.41	-8.21	35.20	54.00	-18.80	AVG		

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

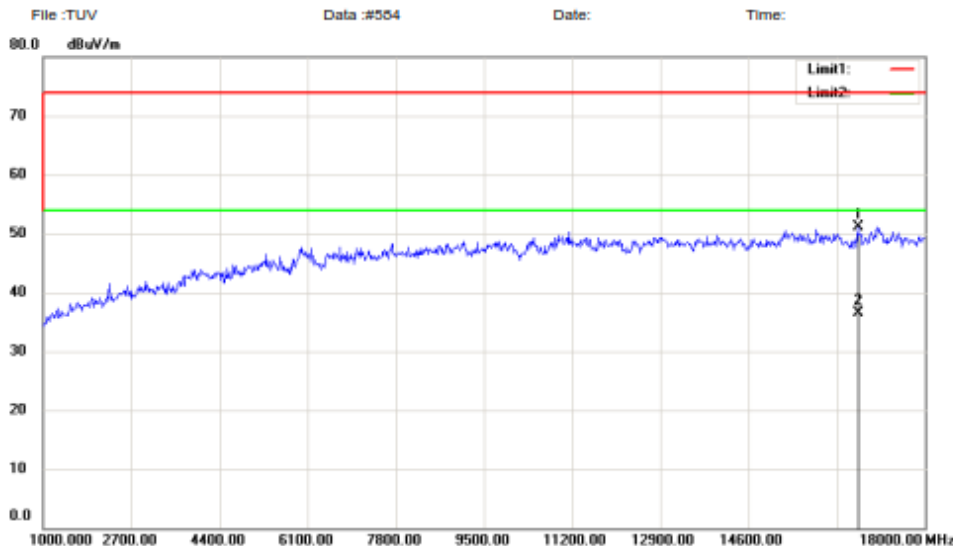
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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Vertical** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5200  
 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		16708.00	61.43	-10.28	51.15	74.00	-22.85	peak		
2	*	16708.00	46.88	-10.28	36.60	54.00	-17.40	AVG		

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

Operator: KK

File :TUVData :#584

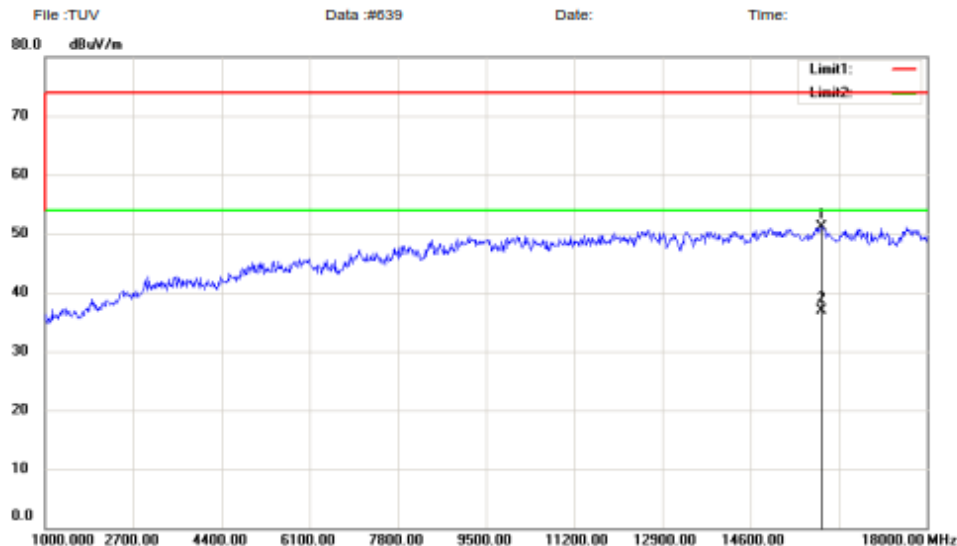
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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Horizontal** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5240  
 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		15977.00	63.85	-12.68	51.17	74.00	-22.83	peak		
2	*	15977.00	49.58	-12.68	36.90	54.00	-17.10	AVG		

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

Operator: KK

File :TUVData :#639

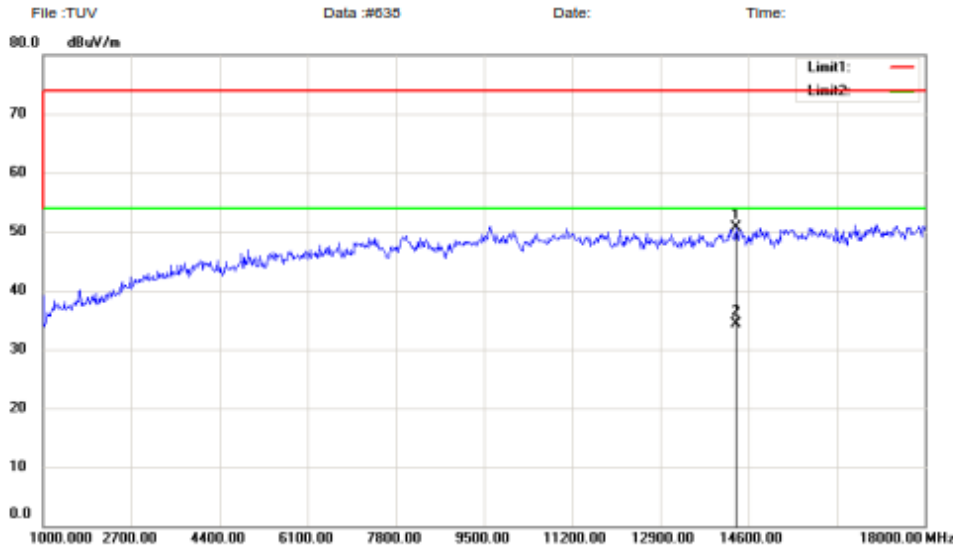
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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Vertical** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5240  
 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		14362.00	59.09	-8.46	50.63	74.00	-23.37	peak		
2	*	14362.00	42.76	-8.46	34.30	54.00	-19.70	AVG		

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

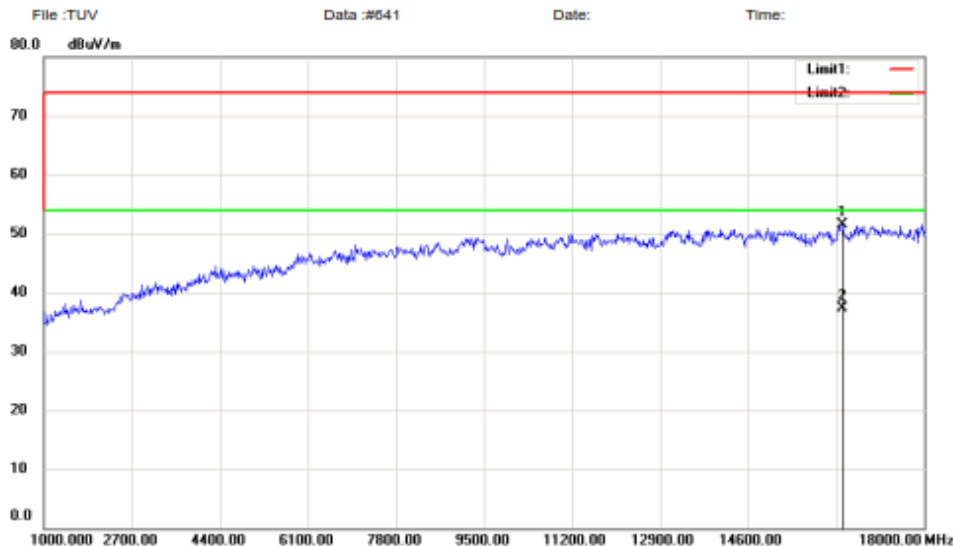
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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Horizontal** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5745  
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	
1		16419.00	62.76	-11.29	51.47	74.00	-22.53	peak		
2	*	16419.00	48.69	-11.29	37.40	54.00	-16.60	AVG		

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

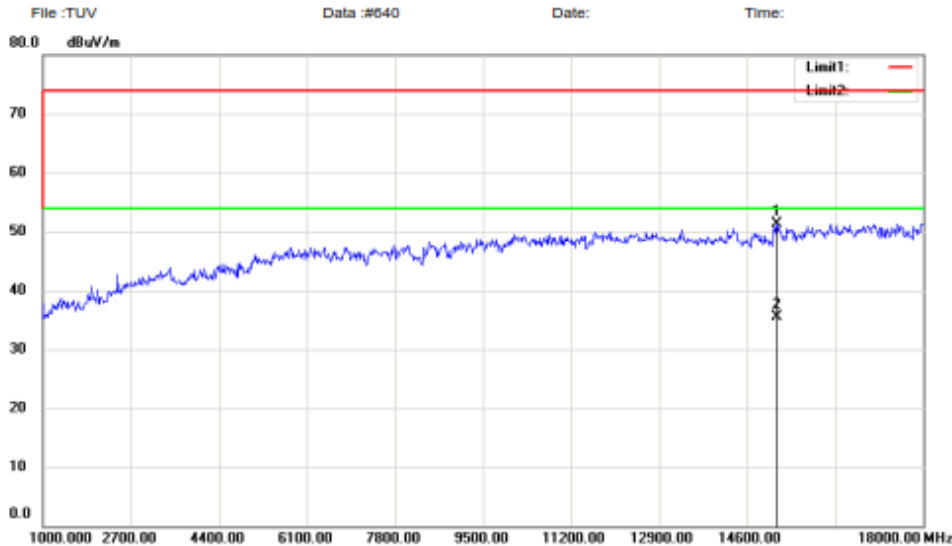
Operator: KK

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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Vertical** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5745  
 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		15178.00	61.46	-10.15	51.31	74.00	-22.69	peak		
2	*	15178.00	45.65	-10.15	35.50	54.00	-18.50	AVG		

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

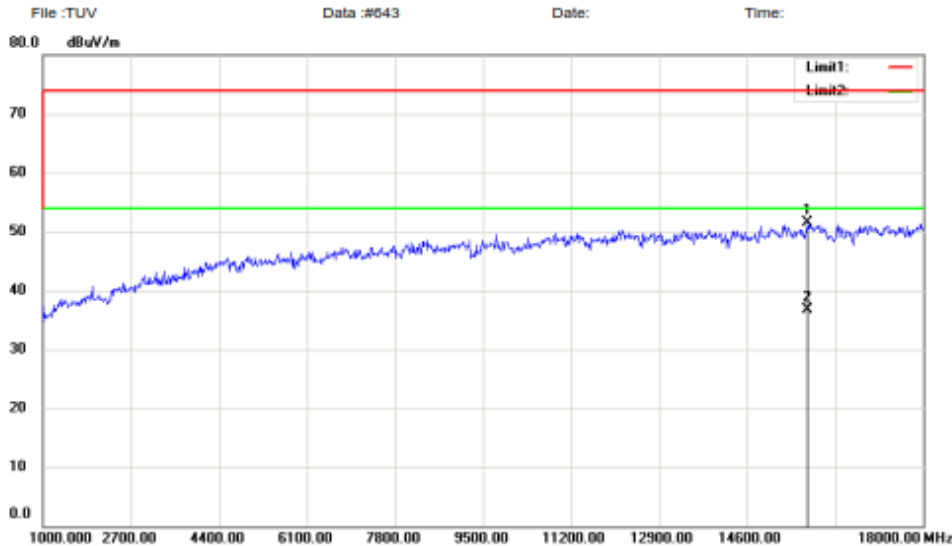
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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Horizontal** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5785  
 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		15773.00	63.53	-12.04	51.49	74.00	-22.51	peak		
2	*	15773.00	48.84	-12.04	36.80	54.00	-17.20	AVG		

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

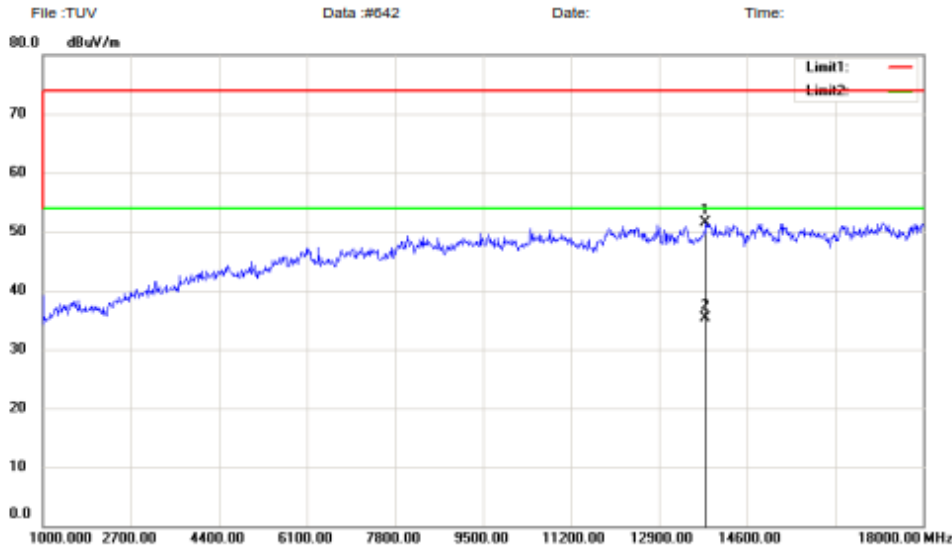
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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Vertical** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5785  
 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		13801.00	60.35	-8.80	51.55	74.00	-22.45	peak			
2	*	13801.00	44.20	-8.80	35.40	54.00	-18.60	AVG			

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

Operator: KK

File :TUVData :#642

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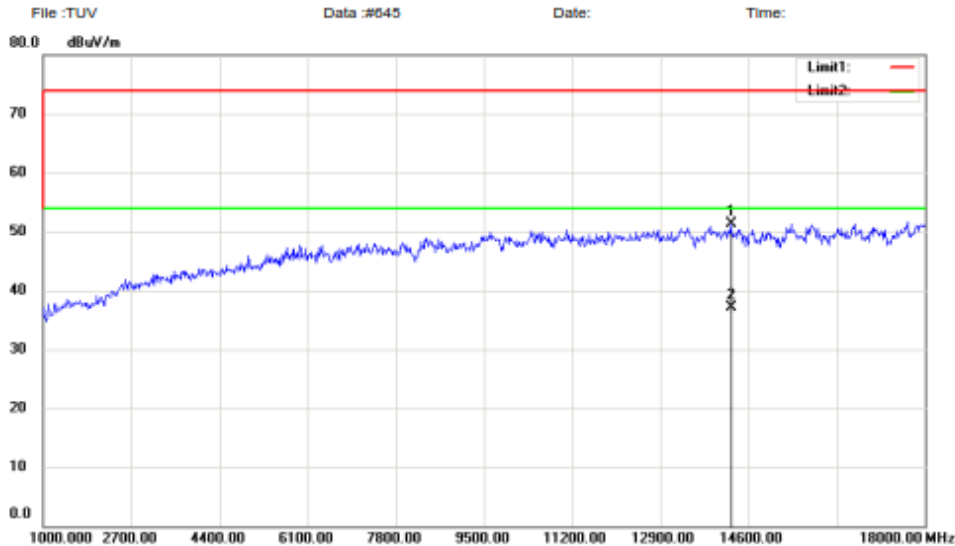


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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Horizontal** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5825  
 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		14260.00	59.67	-8.28	51.39	74.00	-22.61	peak		
2	*	14260.00	45.48	-8.28	37.20	54.00	-16.80	AVG		

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

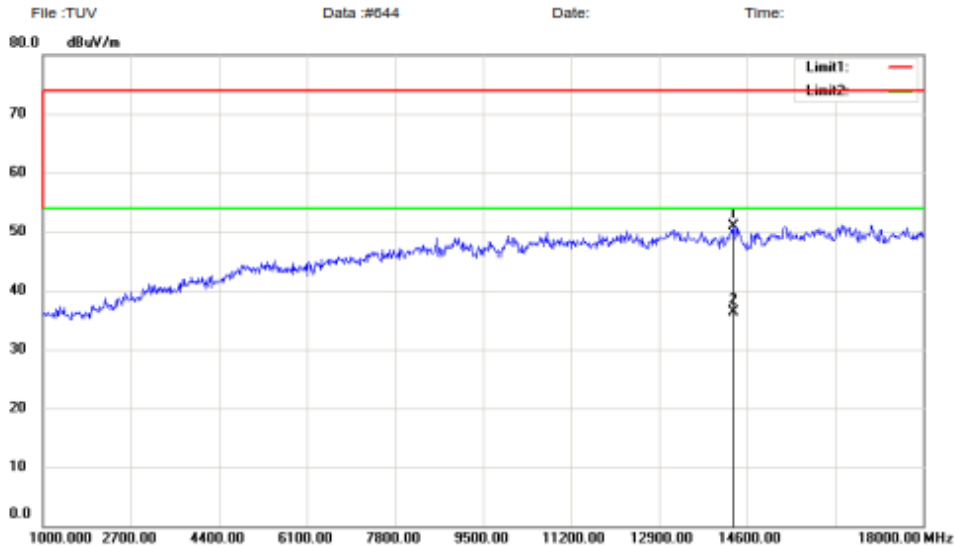
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**Radiated Emission Measurement**



Site 3m Chamber #2 Polarization: **Vertical** Temperature: 24 C  
 Limit: ( RE)FCC PART 15C Power: AC 120V/60Hz Humidity: 53 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5825  
 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		14328.00	59.33	-8.40	50.93	74.00	-23.07	peak		
2	*	14328.00	44.80	-8.40	36.40	54.00	-17.60	AVG		

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

Operator: KK

File :TUVData :#644

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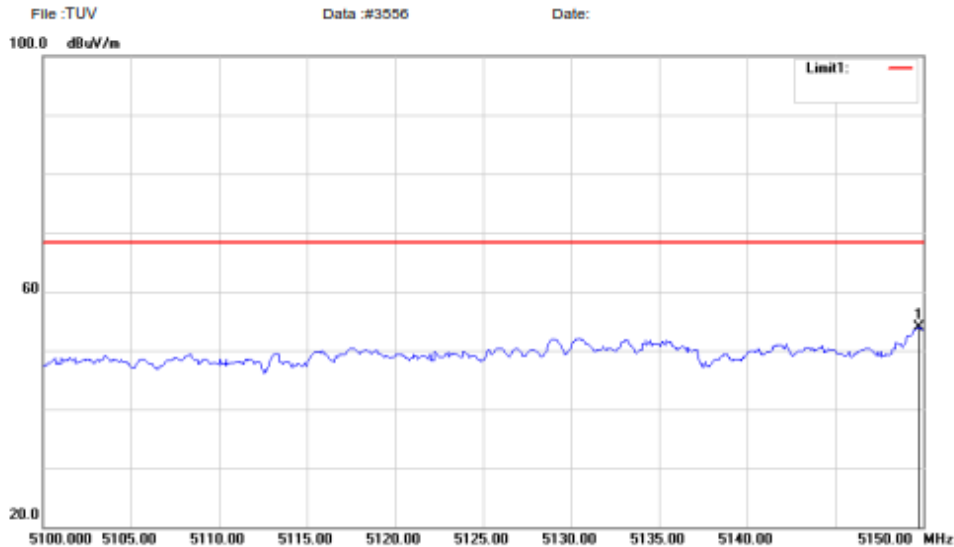
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### 1.3 Restricted Bands

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#### Radiated Emission Measurement



Site #1 Polarization: **Horizontal** Temperature: 22  
 Limit: ( RE)FCC PART 15C ( Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %  
 EUT: Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5180  
 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	*	5149.750	60.99	-7.15	53.84	68.23	-14.39	peak	0	

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

Operator: KK

File :TUVData :#3556

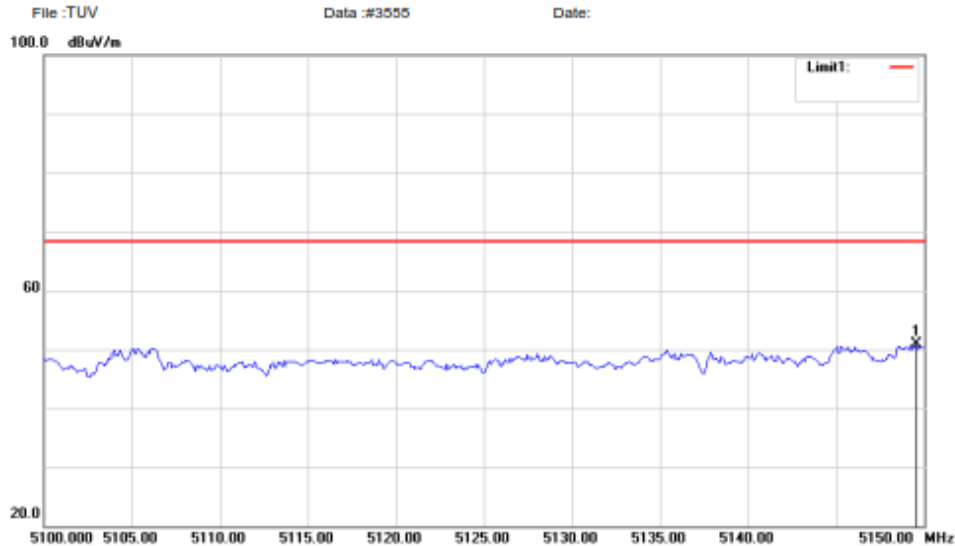
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**Radiated Emission Measurement**



Site #1 Polarization: **Vertical** Temperature: 22  
 Limit: ( RE)FCC PART 15C ( Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %  
 EUT: Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5180  
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	*	5149.550	57.96	-7.15	50.81	68.23	-17.42	peak	0	

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

Operator: KK

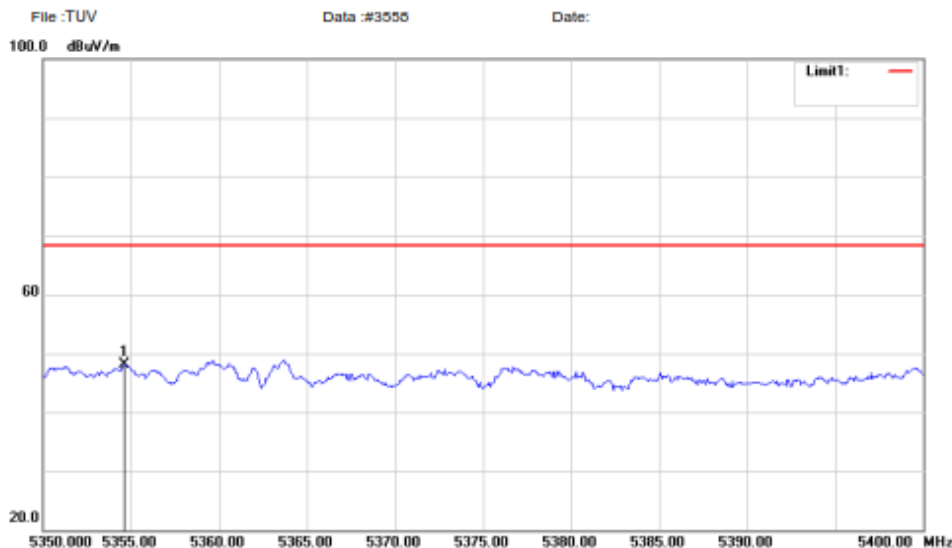
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**Radiated Emission Measurement**



Site #1 Polarization: **Horizontal** Temperature: 22  
 Limit: ( RE)FCC PART 15C ( Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %  
 EUT: Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5240  
 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	*	5354.650	54.43	-6.37	48.06	68.23	-20.17	peak		0

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

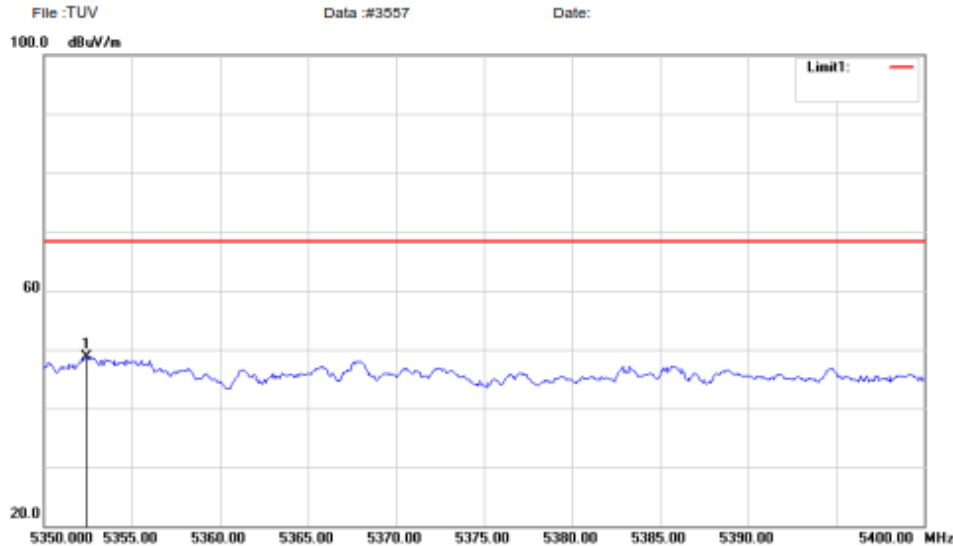
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**Radiated Emission Measurement**



Site #1 Polarization: **Vertical** Temperature: 22  
 Limit: ( RE)FCC PART 15C ( Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %  
 EUT: Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5240  
 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	*	5352.450	55.06	-6.39	48.67	68.23	-19.56	peak		0

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

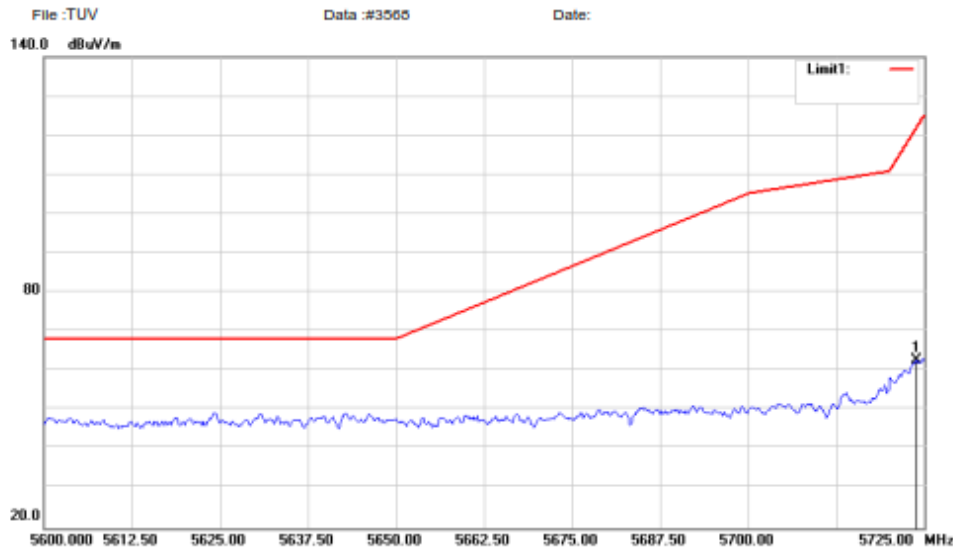
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**Radiated Emission Measurement**



Site #1 Polarization: **Horizontal** Temperature: 22  
 Limit: ( RE)FCC PART 15C B4 ( Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %  
 EUT: Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5745  
 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	*	5723.875	67.62	-5.00	62.62	121.99	-59.37	peak	0	

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

Operator: KK

File :TUVData :#3568

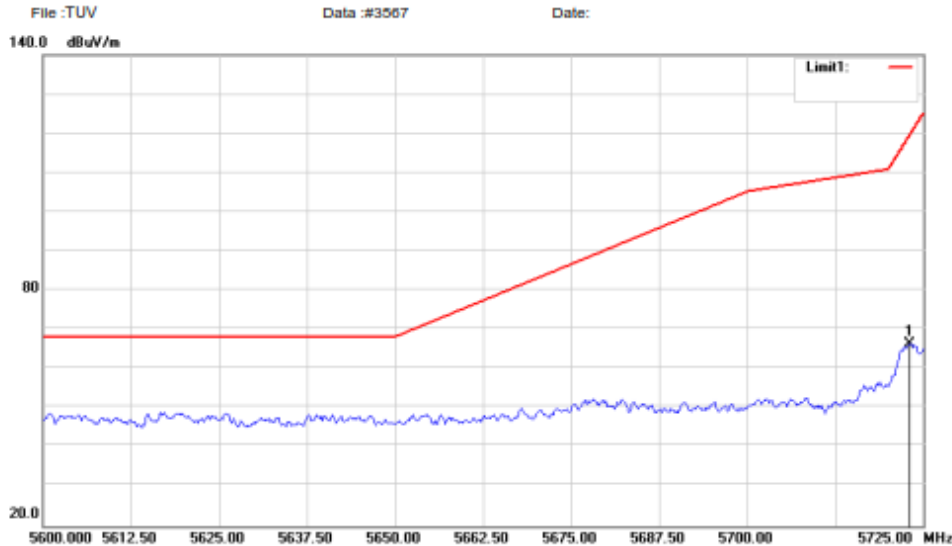
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**Radiated Emission Measurement**



Site #1 Polarization: **Vertical** Temperature: 22  
 Limit: ( RE)FCC PART 15C B4 ( Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %  
 EUT: Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5745  
 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	*	5723.125	71.39	-5.00	66.39	119.83	-53.44	peak	0	

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

Operator: KK

File :TUVData :#3567

Page: 1

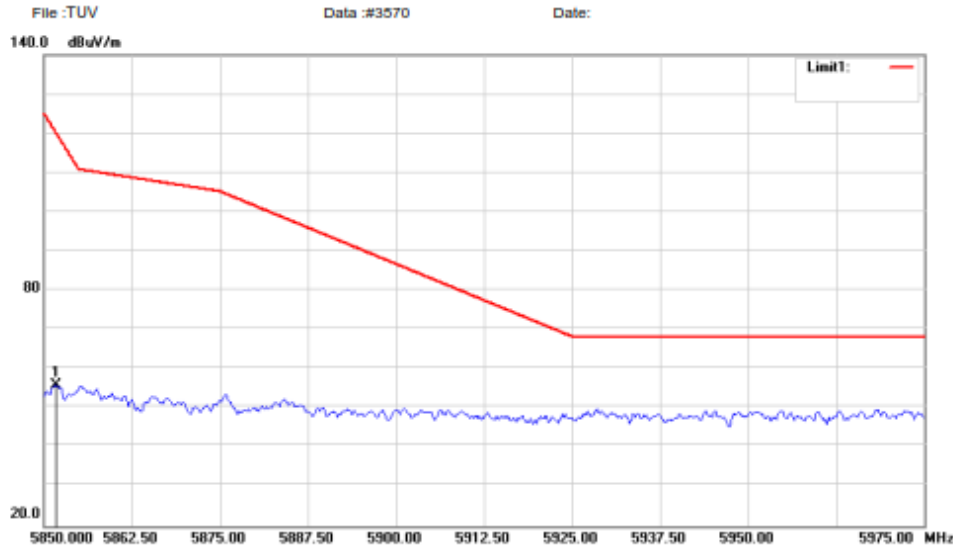


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**Radiated Emission Measurement**



Site #1 Polarization: **Horizontal** Temperature: 22  
 Limit: ( RE)FCC PART 15C B4 ( Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %  
 EUT: Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5825  
 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	*	5851.750	60.25	-4.51	55.74	120.19	-64.45	peak	0	

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

Operator: KK

File :TUVData :#3570

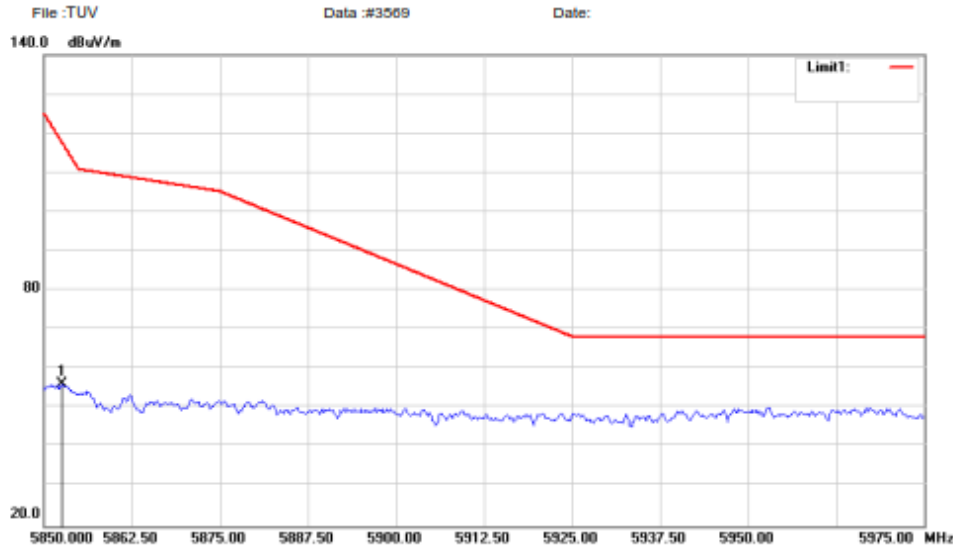
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Produkte  
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**Radiated Emission Measurement**



Site #1 Polarization: **Vertical** Temperature: 22  
 Limit: ( RE)FCC PART 15C B4 ( Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %  
 EUT: Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode:11a 5825  
 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	*	5852.625	60.67	-4.51	56.16	117.67	-61.51	peak	0	

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

Operator: KK

File :TUVData :#3569

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Produkte  
 Products

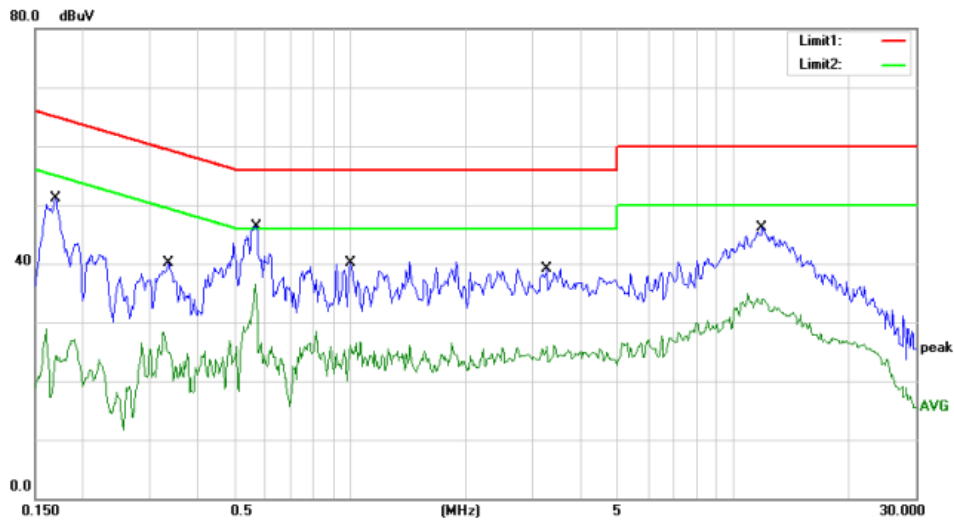
## 2. Conducted Emissions

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### Conducted Emission Measurement

File :TUV Data :#2850 Date: 17/06/17/



Site Conduction #1 Phase: **L1** Temperature: 22  
 Limit: (CE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode: WIFI+BT ON  
 Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
	MHz	dBuV	dB	dBuV	dBuV	dB		
1	0.1700	51.08	0.00	51.08	64.96	-13.88	QP	
2	0.1700	24.39	0.00	24.39	54.96	-30.57	AVG	
3	0.3350	40.17	0.00	40.17	59.33	-19.16	QP	
4	0.3350	28.34	0.00	28.34	49.33	-20.99	AVG	
5	0.5670	46.39	0.00	46.39	56.00	-9.61	QP	
6 *	0.5670	36.50	0.00	36.50	46.00	-9.50	AVG	
7	1.0000	40.01	0.00	40.01	56.00	-15.99	QP	
8	1.0000	26.10	0.00	26.10	46.00	-19.90	AVG	
9	3.2650	39.17	0.00	39.17	56.00	-16.83	QP	
10	3.2650	25.84	0.00	25.84	46.00	-20.16	AVG	
11	11.8700	46.13	0.00	46.13	60.00	-13.87	QP	
12	11.8700	33.93	0.00	33.93	50.00	-16.07	AVG	

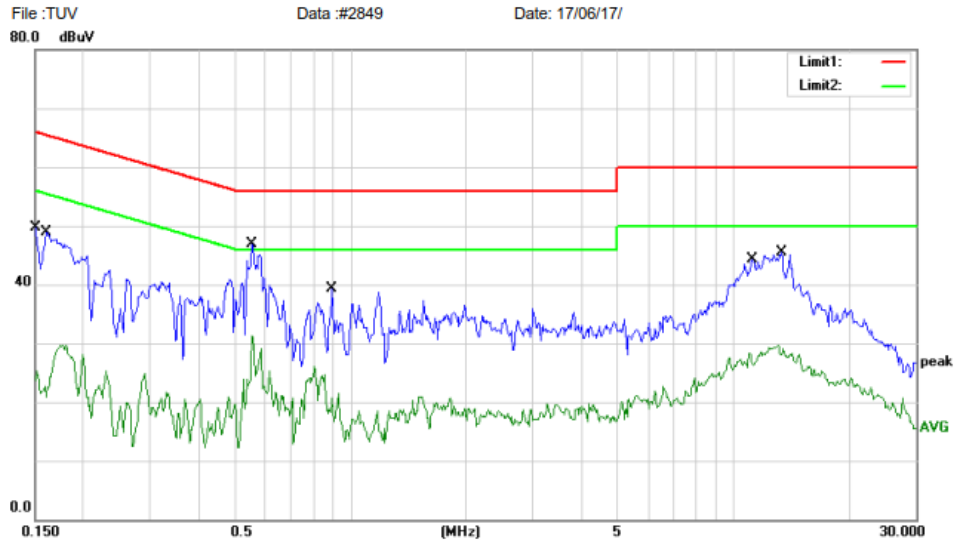
\*:Maximum data x:Over limit !:over margin Comment: Factor build in receiver. Operator: Stan

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**Conducted Emission Measurement**



Site Conduction #1 Phase: **N** Temperature: 22  
 Limit: (CE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %  
 EUT: Insignia Flex Android 10" Tablet  
 M/N: NS-P10A8100  
 Mode: WIFI+BT ON  
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1500	49.72	0.00	49.72	66.00	-16.28	QP	
2		0.1500	23.65	0.00	23.65	56.00	-32.35	AVG	
3		0.1600	48.95	0.00	48.95	65.46	-16.51	QP	
4		0.1600	24.37	0.00	24.37	55.46	-31.09	AVG	
5	*	0.5550	46.81	0.00	46.81	56.00	-9.19	QP	
6		0.5550	31.28	0.00	31.28	46.00	-14.72	AVG	
7		0.8950	39.24	0.00	39.24	56.00	-16.76	QP	
8		0.8950	20.79	0.00	20.79	46.00	-25.21	AVG	
9		11.1975	44.29	0.00	44.29	60.00	-15.71	QP	
10		11.1975	28.33	0.00	28.33	50.00	-21.67	AVG	
11		13.3700	45.57	0.00	45.57	60.00	-14.43	QP	
12		13.3700	29.06	0.00	29.06	50.00	-20.94	AVG	

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