

Prüfbericht-Nr.: <i>Test Report No.:</i>	50090969 005	Auftrags-Nr.: <i>Order No.:</i>	164095986	Seite 1 von 51 Page 1 of 51
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	07.06.2017	
Auftraggeber: <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			
Prüfgegenstand: <i>Test item:</i>	10.1" Flex Tablet for Android with Detachable Keyboard			
Bezeichnung / Typ-Nr.: <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)			
Auftrags-Inhalt: <i>Order content:</i>	FCC/IC Certification/Verification			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109 ICES-003 Issue 6 January 2016			
Wareneingangsdatum: <i>Date of receipt:</i>	07.06.2017			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000561697-006			
Prüfzeitraum: <i>Testing period:</i>	17.06.2017 - 04.07.2017			
Ort der Prüfung: <i>Place of testing:</i>	EMTEK (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by: 		kontrolliert von / reviewed by: 		
12.07.2017 <i>Datum</i> Date	Alex Lan / Project Engineer <i>Name / Stellung</i> Name / Position	Unterschrift <i>Signature</i>	12.07.2017 <i>Datum</i> Date	Owen Tian / Technical Certifier <i>Name / Stellung</i> Name / Position
				Unterschrift <i>Signature</i>
Sonstiges / Other: FCC ID: XMF-MID1028 IC: 20064-MID1028 HVIN: NS-P10A8100K				
Zustand des Prüfgegenstandes bei Anlieferung: <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(all) = 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(all) = failed a.m. test specification(s) N/A = not applicable 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. <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>				

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TEST SUMMARY

5.1.1 CONDUCTED EMISSIONS

RESULT: Pass

5.2.1 RADIATED EMISSION

RESULT: Pass

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1. General Remarks

1.1 Complementary Materials

None.

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
Radiated Emissions				
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	295838/4	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	ACRX1	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
Conducted Emission				
Test Receiver	Rohde & Schwarz	ESCS30	828985/018	2018-05-20
L.I.S.N.	Schwarzbeck	NNLK8129	8129203	2018-05-20
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100006	2018-05-21
Voltage Probe	Rohde & Schwarz	TK9416	N/A	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

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

Table 2: Measurement Uncertainty

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

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

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.

2.8 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

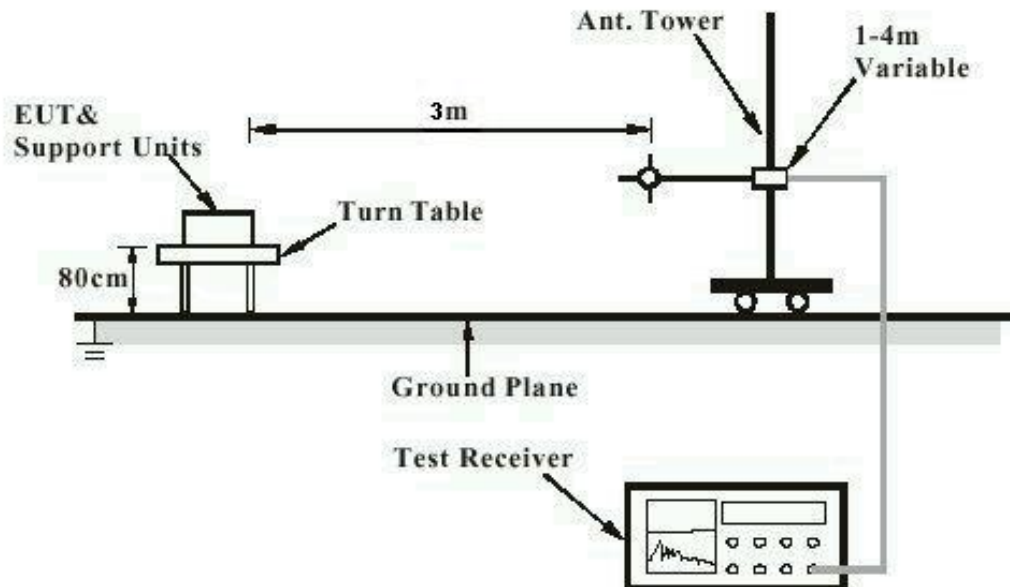
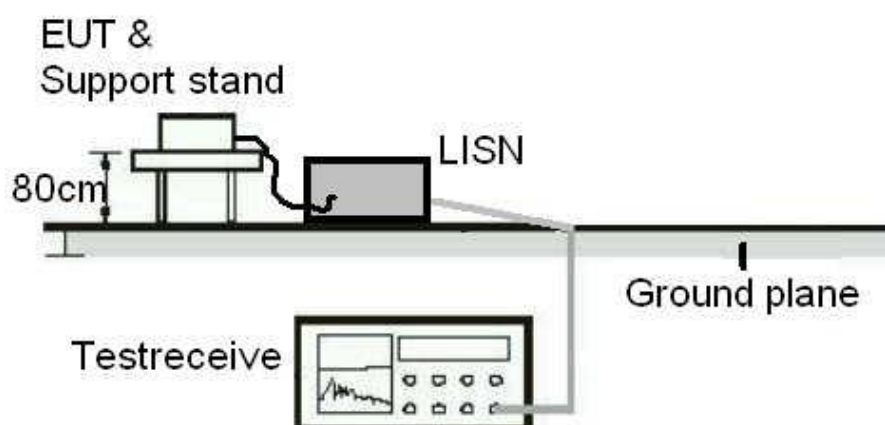


Diagram of Measurement Equipment Configuration for Conduction Measurement



3. General Product Information

3.1 Product Function and Intended Use

The EUTs are 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, xxxxxxP10A81xxxxxx, 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
Extreme Temperature Range	0~+45°C
Operation Voltage	DC 3.7V, 6000mAh via built-in lithium-ion battery DC 5V via AC/DC adapter

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Playing mode
 - 2. Playing mode
 - 3. Connected to PC
- B. GPS
- C. Standby
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

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

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.4: 2014.

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.

5. Test Results EMISSION

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Conducted emissions

RESULT:**Pass**

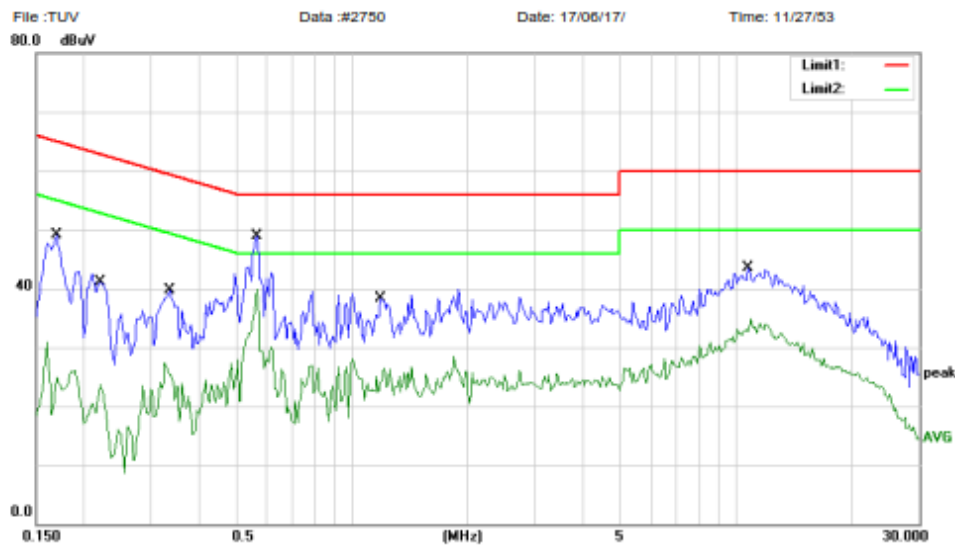
Date of testing	:	2017-06-17
Test standard	:	FCC Part 15.107 (a) ICES-003 Issue 6 January 2016
Basic standard	:	ANSI C63.4: 2014
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.107(a) ICES-003 Issue 6 January 2016
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A, B
Earthing	:	Not Connected
Ambient temperature	:	21°C
Relative humidity	:	53%
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: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Video play(USB play)

Note:

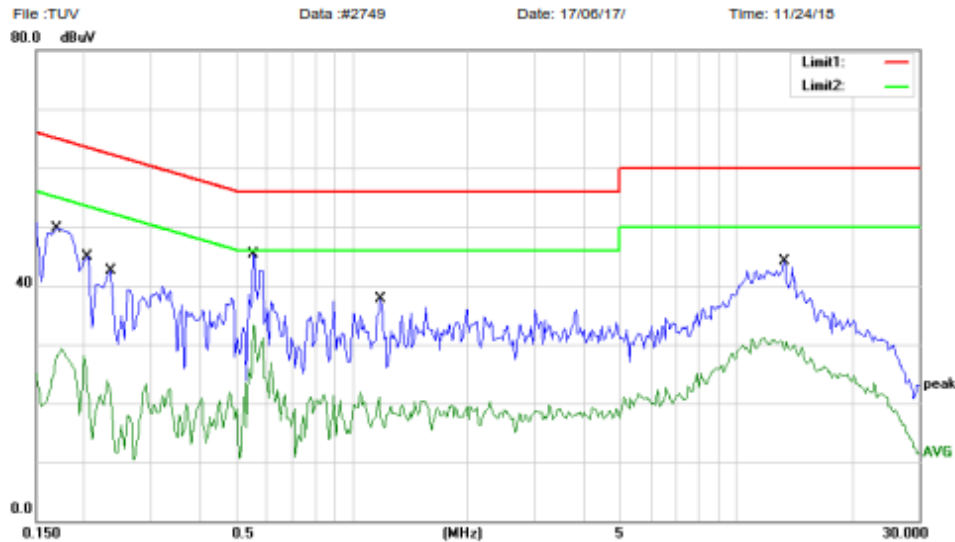
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1700	49.08	0.00	49.08	64.96	-15.88	QP	
2		0.1700	30.94	0.00	30.94	54.96	-24.02	AVG	
3		0.2200	41.10	0.00	41.10	62.82	-21.72	QP	
4		0.2200	23.76	0.00	23.76	52.82	-29.06	AVG	
5		0.3350	39.67	0.00	39.67	59.33	-19.66	QP	
6		0.3350	27.37	0.00	27.37	49.33	-21.96	AVG	
7		0.5650	48.89	0.00	48.89	56.00	-7.11	QP	
8	*	0.5650	40.00	0.00	40.00	46.00	-6.00	AVG	
9		1.1900	38.23	0.00	38.23	56.00	-17.77	QP	
10		1.1900	26.50	0.00	26.50	46.00	-19.50	AVG	
11		10.7500	43.58	0.00	43.58	60.00	-16.42	QP	
12		10.7500	34.95	0.00	34.95	50.00	-15.05	AVG	

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

File :TUVData :#2750

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Conducted Emission Measurement


Site Conduction #1

 Phase: **N**

Temperature: 22

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Video play(USB play)

Note:

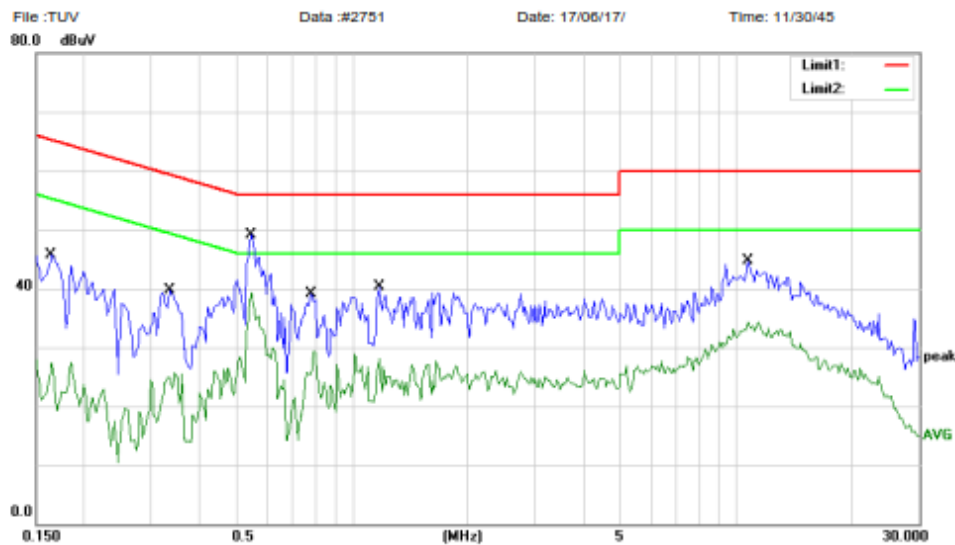
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1700	49.71	0.00	49.71	64.96	-15.25	QP	
2		0.1700	29.25	0.00	29.25	54.96	-25.71	AVG	
3		0.2050	44.96	0.00	44.96	63.41	-18.45	QP	
4		0.2050	28.01	0.00	28.01	53.41	-25.40	AVG	
5		0.2350	42.50	0.00	42.50	62.27	-19.77	QP	
6		0.2350	23.89	0.00	23.89	52.27	-28.38	AVG	
7	*	0.5550	45.31	0.00	45.31	56.00	-10.69	QP	
8		0.5550	33.28	0.00	33.28	46.00	-12.72	AVG	
9		1.1850	37.74	0.00	37.74	56.00	-18.26	QP	
10		1.1850	21.02	0.00	21.02	46.00	-24.98	AVG	
11		13.3700	44.07	0.00	44.07	60.00	-15.93	QP	
12		13.3700	30.79	0.00	30.79	50.00	-19.21	AVG	

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

File :TUVData :#2749

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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: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Video play(memory)

Note:

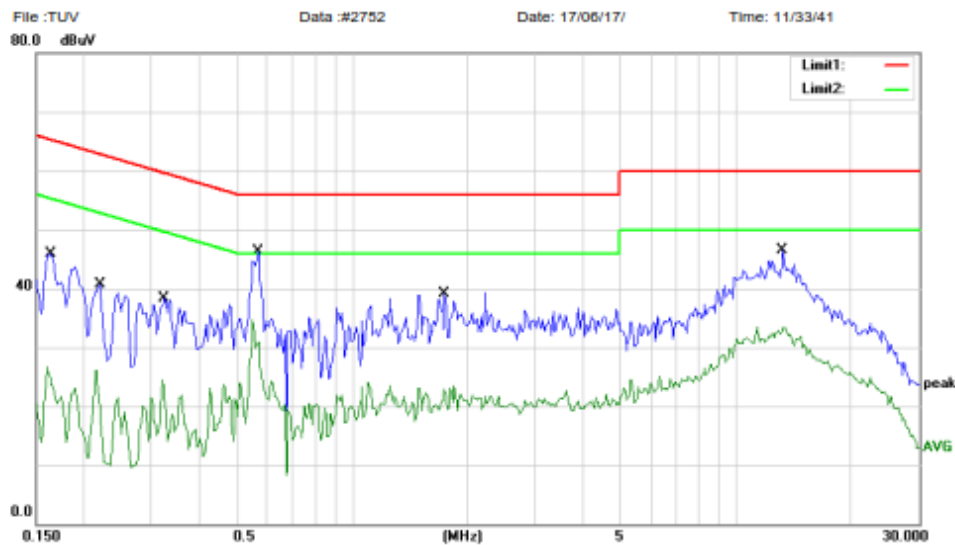
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		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1650	45.65	0.00	45.65	65.21	-19.56	QP	
2		0.1650	27.29	0.00	27.29	55.21	-27.92	AVG	
3		0.3350	39.61	0.00	39.61	59.33	-19.72	QP	
4		0.3350	25.74	0.00	25.74	49.33	-23.59	AVG	
5		0.5450	49.04	0.00	49.04	56.00	-6.96	QP	
6	*	0.5450	39.31	0.00	39.31	46.00	-6.69	AVG	
7		0.7800	39.09	0.00	39.09	56.00	-16.91	QP	
8		0.7800	29.32	0.00	29.32	46.00	-16.68	AVG	
9		1.1750	40.22	0.00	40.22	56.00	-15.78	QP	
10		1.1750	28.12	0.00	28.12	46.00	-17.88	AVG	
11		10.7600	44.63	0.00	44.63	60.00	-15.37	QP	
12		10.7600	34.28	0.00	34.28	50.00	-15.72	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 class B_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Video play(memory)

Note:

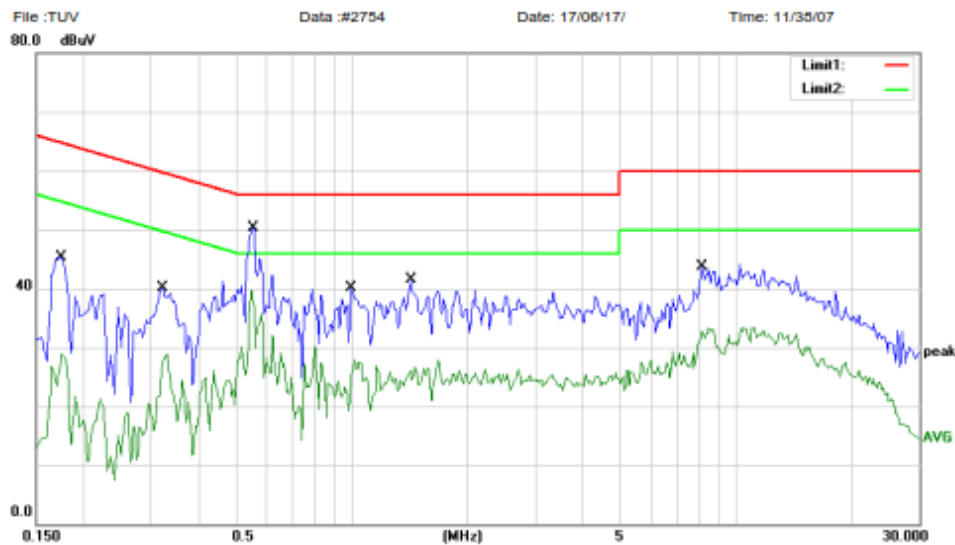
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1650	45.81	0.00	45.81	65.21	-19.40	QP	
2		0.1650	26.66	0.00	26.66	55.21	-28.55	AVG	
3		0.2200	40.74	0.00	40.74	62.82	-22.08	QP	
4		0.2200	26.10	0.00	26.10	52.82	-26.72	AVG	
5		0.3250	38.36	0.00	38.36	59.58	-21.22	QP	
6		0.3250	24.57	0.00	24.57	49.58	-25.01	AVG	
7	*	0.5700	46.25	0.00	46.25	56.00	-9.75	QP	
8		0.5700	34.71	0.00	34.71	46.00	-11.29	AVG	
9		1.7400	39.05	0.00	39.05	56.00	-16.95	QP	
10		1.7400	23.55	0.00	23.55	46.00	-22.45	AVG	
11		13.2100	46.47	0.00	46.47	60.00	-13.53	QP	
12		13.2100	33.30	0.00	33.30	50.00	-16.70	AVG	

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

File :TUVData :#2752

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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: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Video play(SD card)

Note:

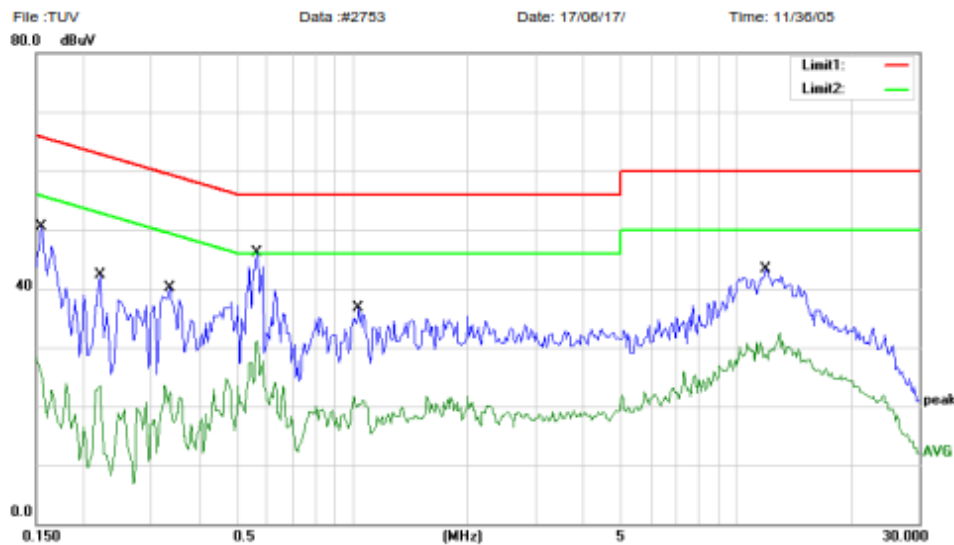
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1750	45.37	0.00	45.37	64.72	-19.35	QP	
2		0.1750	28.84	0.00	28.84	54.72	-25.88	AVG	
3		0.3200	40.03	0.00	40.03	59.71	-19.68	QP	
4		0.3200	28.95	0.00	28.95	49.71	-20.76	AVG	
5	*	0.5550	50.22	0.00	50.22	56.00	-5.78	QP	
6		0.5550	37.40	0.00	37.40	46.00	-8.60	AVG	
7		0.9900	40.14	0.00	40.14	56.00	-15.86	QP	
8		0.9900	27.84	0.00	27.84	46.00	-18.16	AVG	
9		1.4250	41.52	0.00	41.52	56.00	-14.48	QP	
10		1.4250	26.71	0.00	26.71	46.00	-19.29	AVG	
11		8.1500	43.63	0.00	43.63	60.00	-16.37	QP	
12		8.1500	33.23	0.00	33.23	50.00	-16.77	AVG	

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

File :TUVData :#2754

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Conducted Emission Measurement


Site Conduction #1

 Phase: **N**

Temperature: 22

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Video play(SD card)

Note:

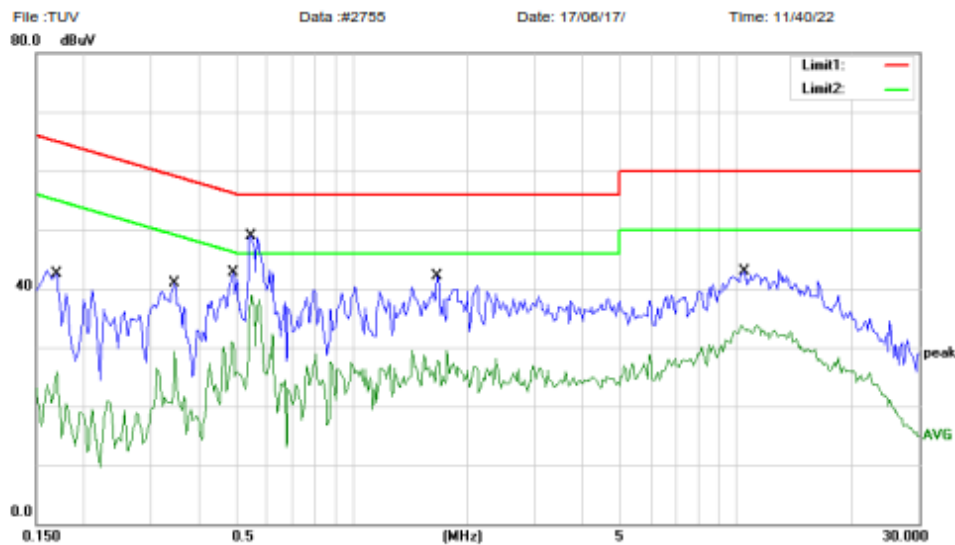
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1550	50.51	0.00	50.51	65.73	-15.22	QP	
2		0.1550	28.31	0.00	28.31	55.73	-27.42	AVG	
3		0.2200	42.39	0.00	42.39	62.82	-20.43	QP	
4		0.2200	23.45	0.00	23.45	52.82	-29.37	AVG	
5		0.3350	40.01	0.00	40.01	59.33	-19.32	QP	
6		0.3350	23.49	0.00	23.49	49.33	-25.84	AVG	
7	*	0.5650	46.01	0.00	46.01	56.00	-9.99	QP	
8		0.5650	31.08	0.00	31.08	46.00	-14.92	AVG	
9		1.0400	36.63	0.00	36.63	56.00	-19.37	QP	
10		1.0400	21.62	0.00	21.62	46.00	-24.38	AVG	
11		11.9500	43.31	0.00	43.31	60.00	-16.69	QP	
12		11.9500	30.87	0.00	30.87	50.00	-19.13	AVG	

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

File :TUVData :#2753

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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: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Camera Recording(front)

Note:

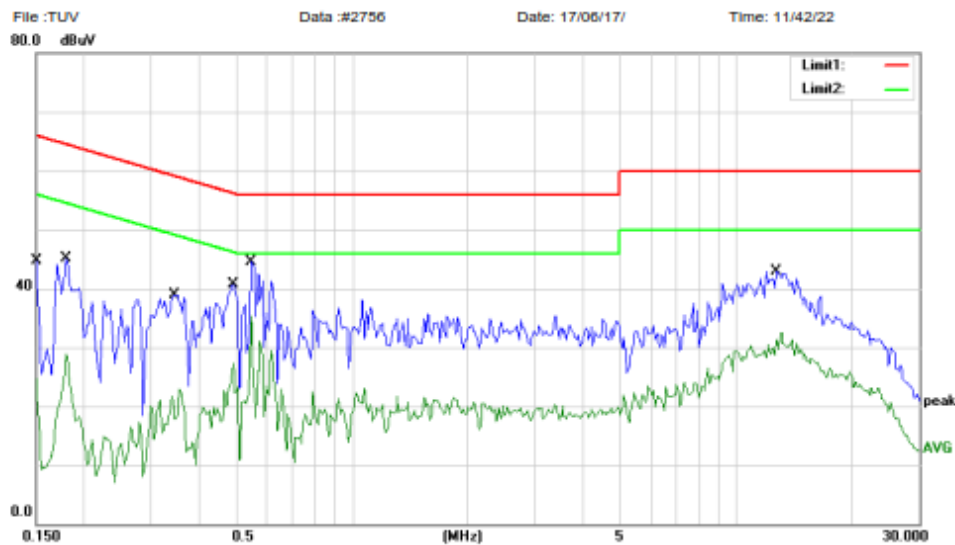
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		0.1700	42.46	0.00	42.46	64.96	-22.50	QP	
2		0.1700	25.94	0.00	25.94	54.96	-29.02	AVG	
3		0.3450	40.97	0.00	40.97	59.08	-18.11	QP	
4		0.3450	29.34	0.00	29.34	49.08	-19.74	AVG	
5		0.4900	42.72	0.00	42.72	56.17	-13.45	QP	
6		0.4900	30.95	0.00	30.95	46.17	-15.22	AVG	
7		0.5450	48.92	0.00	48.92	56.00	-7.08	QP	
8	*	0.5450	38.98	0.00	38.98	46.00	-7.02	AVG	
9		1.6700	42.05	0.00	42.05	56.00	-13.95	QP	
10		1.6700	28.61	0.00	28.61	46.00	-17.39	AVG	
11		10.5300	42.94	0.00	42.94	60.00	-17.06	QP	
12		10.5300	33.80	0.00	33.80	50.00	-16.20	AVG	

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

File :TUVData :#2755

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Conducted Emission Measurement


Site Conduction #1

 Phase: **N**

Temperature: 22

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Camera Recording(front)

Note:

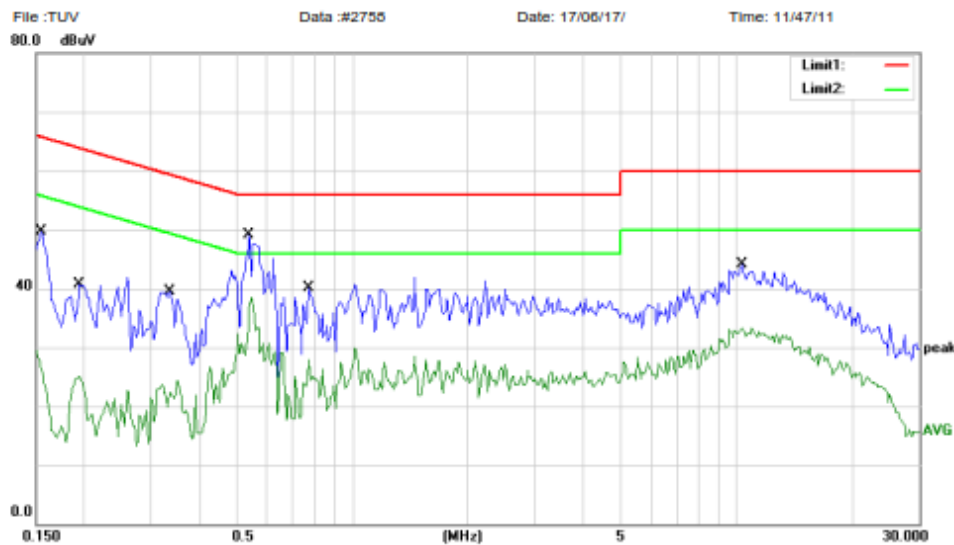
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	44.77	0.00	44.77	66.00	-21.23	QP	
2		0.1500	24.61	0.00	24.61	56.00	-31.39	AVG	
3		0.1800	45.10	0.00	45.10	64.49	-19.39	QP	
4		0.1800	28.99	0.00	28.99	54.49	-25.50	AVG	
5		0.3450	38.94	0.00	38.94	59.08	-20.14	QP	
6		0.3450	22.90	0.00	22.90	49.08	-26.18	AVG	
7		0.4900	40.66	0.00	40.66	56.17	-15.51	QP	
8		0.4900	27.21	0.00	27.21	46.17	-18.96	AVG	
9		0.5450	44.58	0.00	44.58	56.00	-11.42	QP	
10	*	0.5450	35.32	0.00	35.32	46.00	-10.68	AVG	
11		12.7700	42.89	0.00	42.89	60.00	-17.11	QP	
12		12.7700	32.57	0.00	32.57	50.00	-17.43	AVG	

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

File :TUVData :#2756

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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: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Camera Recording(back)

Note:

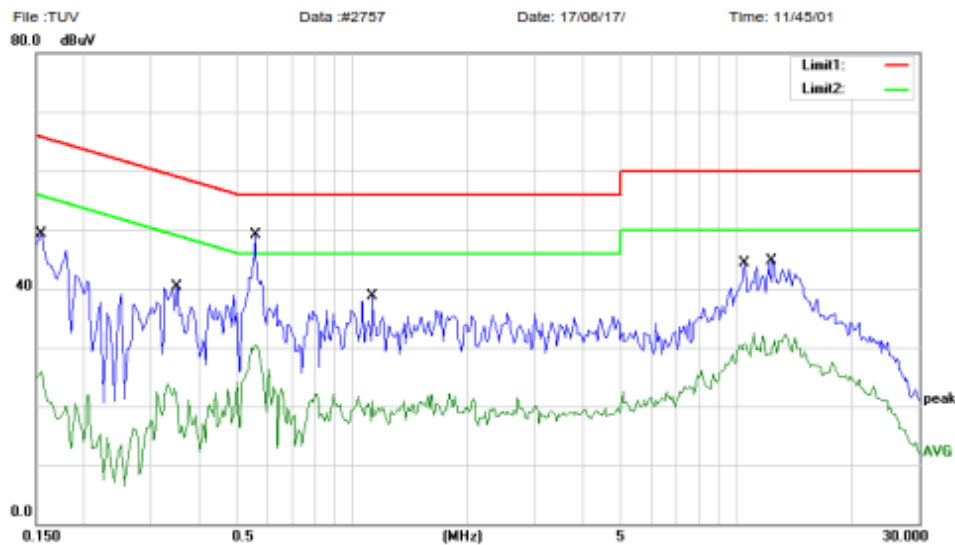
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1550	49.75	0.00	49.75	65.73	-15.98	QP	
2		0.1550	29.53	0.00	29.53	55.73	-26.20	AVG	
3		0.1950	40.61	0.00	40.61	63.82	-23.21	QP	
4		0.1950	25.08	0.00	25.08	53.82	-28.74	AVG	
5		0.3350	39.59	0.00	39.59	59.33	-19.74	QP	
6		0.3350	24.32	0.00	24.32	49.33	-25.01	AVG	
7	*	0.5400	49.02	0.00	49.02	56.00	-6.98	QP	
8		0.5400	38.49	0.00	38.49	46.00	-7.51	AVG	
9		0.7700	40.08	0.00	40.08	56.00	-15.92	QP	
10		0.7700	27.85	0.00	27.85	46.00	-18.15	AVG	
11		10.3500	44.03	0.00	44.03	60.00	-15.97	QP	
12		10.3500	33.25	0.00	33.25	50.00	-16.75	AVG	

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

File :TUVData :#2758

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Conducted Emission Measurement


Site Conduction #1

 Phase: **N**

Temperature: 22

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Camera Recording(back)

Note:

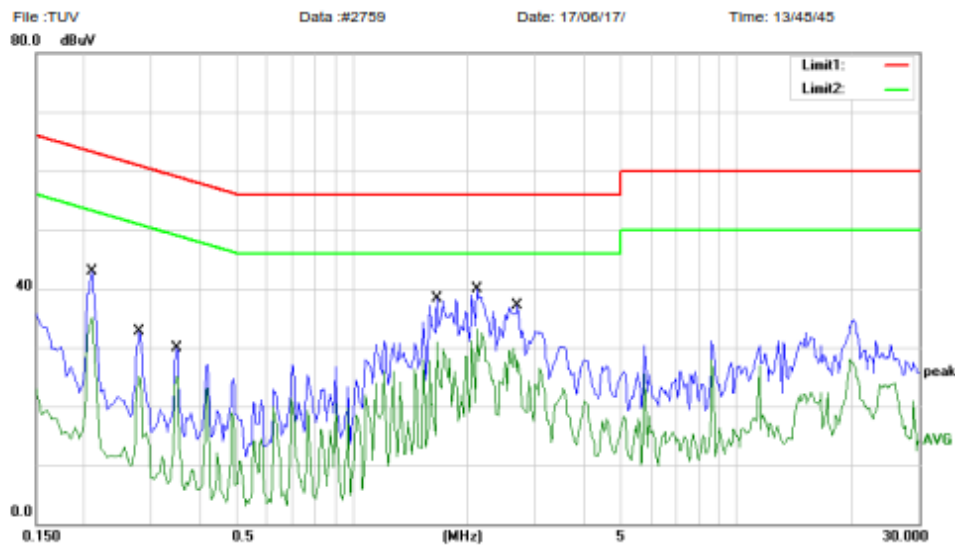
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1550	49.21	0.00	49.21	65.73	-16.52	QP	
2		0.1550	25.82	0.00	25.82	55.73	-29.91	AVG	
3		0.3500	40.37	0.00	40.37	58.96	-18.59	QP	
4		0.3500	23.93	0.00	23.93	48.96	-25.03	AVG	
5	*	0.5600	49.13	0.00	49.13	56.00	-6.87	QP	
6		0.5600	30.52	0.00	30.52	46.00	-15.48	AVG	
7		1.1300	38.70	0.00	38.70	56.00	-17.30	QP	
8		1.1300	20.91	0.00	20.91	46.00	-25.09	AVG	
9		10.5200	44.27	0.00	44.27	60.00	-15.73	QP	
10		10.5200	32.51	0.00	32.51	50.00	-17.49	AVG	
11		12.4200	44.67	0.00	44.67	60.00	-15.33	QP	
12		12.4200	32.21	0.00	32.21	50.00	-17.79	AVG	

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

File :TUVData :#2757

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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: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Connect to Computer

Note:

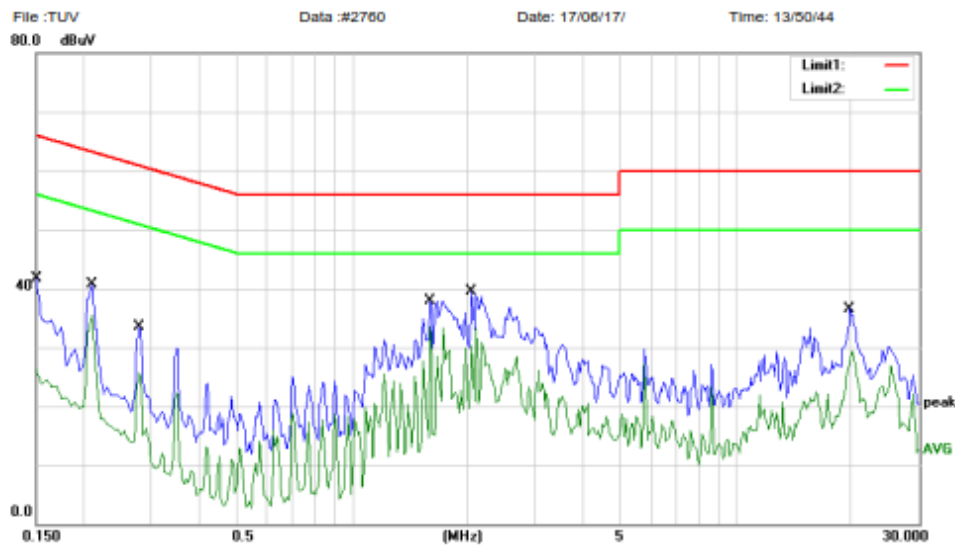
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2100	42.85	0.00	42.85	63.21	-20.36	QP	
2		0.2100	35.15	0.00	35.15	53.21	-18.06	AVG	
3		0.2800	32.61	0.00	32.61	60.82	-28.21	QP	
4		0.2800	25.20	0.00	25.20	50.82	-25.62	AVG	
5		0.3500	29.84	0.00	29.84	58.96	-29.12	QP	
6		0.3500	25.17	0.00	25.17	48.96	-23.79	AVG	
7		1.6650	38.23	0.00	38.23	56.00	-17.77	QP	
8		1.6650	30.86	0.00	30.86	46.00	-15.14	AVG	
9		2.1150	39.95	0.00	39.95	56.00	-16.05	QP	
10	*	2.1150	33.08	0.00	33.08	46.00	-12.92	AVG	
11		2.6950	37.18	0.00	37.18	56.00	-18.82	QP	
12		2.6950	29.92	0.00	29.92	46.00	-16.08	AVG	

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

File :TUVData :#2759

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Conducted Emission Measurement


Site Conduction #1

 Phase: **N**

Temperature: 22

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Insignia Flex Android 10" Tablet

M/N: NS-P10A8100

Mode: Connect to Computer

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1500	41.79	0.00	41.79	66.00	-24.21	QP	
2		0.1500	26.39	0.00	26.39	56.00	-29.61	AVG	
3		0.2100	40.65	0.00	40.65	63.21	-22.56	QP	
4		0.2100	35.45	0.00	35.45	53.21	-17.76	AVG	
5		0.2800	33.42	0.00	33.42	60.82	-27.40	QP	
6		0.2800	25.75	0.00	25.75	50.82	-25.07	AVG	
7		1.6000	37.95	0.00	37.95	56.00	-18.05	QP	
8	*	1.6000	33.35	0.00	33.35	46.00	-12.65	AVG	
9		2.0450	39.41	0.00	39.41	56.00	-16.59	QP	
10		2.0450	33.30	0.00	33.30	46.00	-12.70	AVG	
11		19.7900	36.60	0.00	36.60	60.00	-23.40	QP	
12		19.7900	29.33	0.00	29.33	50.00	-20.67	AVG	

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

File :TUVData :#2760

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Prüfbericht - Nr.: 50090969 005
Test Report No.**Seite 24 von 51**
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5.2 Emission in the Frequency Range above 30 MHz

5.2.1 Radiated Emission

RESULT:**Pass**

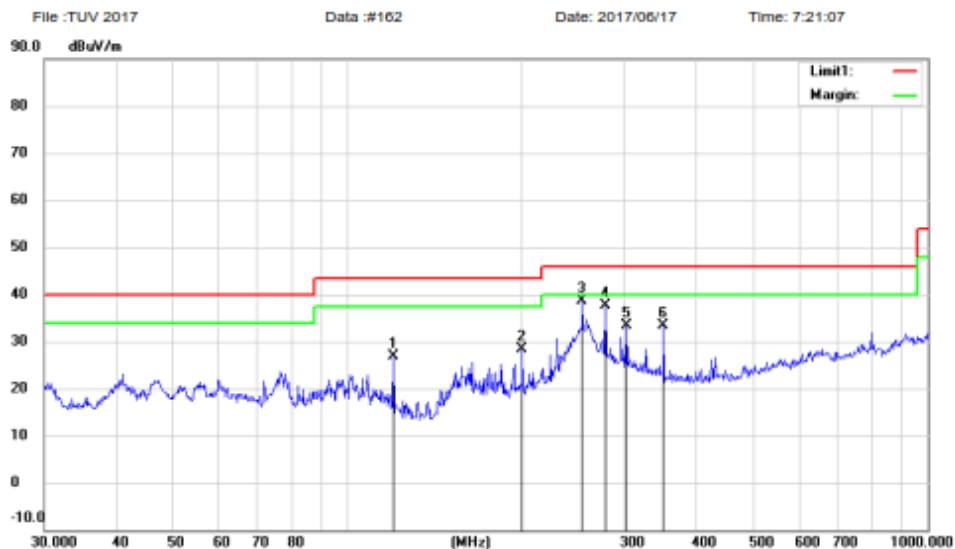
Date of testing	:	2017-06-17
Test standard	:	FCC Part 15.109 (a) ICES-003 Issue 6 January 2016
Test procedure	:	ANSI C63.4: 2014
Frequency range	:	30 - 6000MHz
Equipment Classification	:	Class B
Limits	:	FCC Part 15.109(a) ICES-003 Issue 6 January 2016
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation mode	:	A, B
Earthing	:	Not connected
Ambient temperature	:	22°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode: video play(memory)
 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		119.8556	41.91	-14.94	26.97	43.50	-16.53	QP		
2		199.9856	41.87	-13.52	28.35	43.50	-15.15	QP		
3	*	253.8367	49.83	-11.28	38.55	46.00	-7.45	QP		
4		278.0668	48.56	-10.82	37.74	46.00	-8.26	QP		
5		302.4812	43.52	-10.06	33.46	46.00	-12.54	QP		
6		350.4768	42.84	-9.38	33.46	46.00	-12.54	QP		

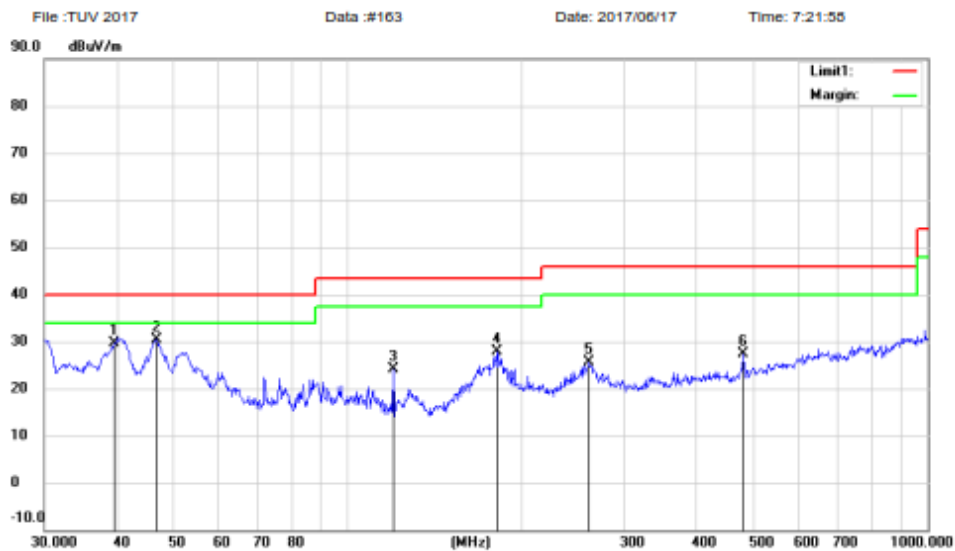
*:Maximum data x:Over limit !:over margin

Operator: skj

File :TUV 2017\Data :#162

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Radiated Emission Measurement


Site 3m Chamber #1

 Polarization: **Vertical**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC120V/60Hz

Humidity: 50 %

EUT: insignia flex android 10 tablet

M/N: NS-P10A8100

Mode: video play(memory)

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		39.5757	42.31	-12.60	29.71	40.00	-10.29	QP		
2	*	46.8303	42.81	-12.49	30.32	40.00	-9.68	QP		
3		119.8556	39.08	-14.94	24.14	43.50	-19.36	QP		
4		181.2834	42.45	-14.45	28.00	43.50	-15.50	QP		
5		261.0583	36.49	-10.80	25.69	46.00	-20.31	QP		
6		480.5276	34.87	-7.57	27.30	46.00	-18.70	QP		

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

Operator: skj

File :TUV 2017\Data :#163

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Radiated Emission Measurement


Site 3m Chamber #1

 Polarization: **Horizontal**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC120V/60Hz

Humidity: 50 %

EUT: insignia flex android 10 tablet

M/N: NS-P10A8100

Mode: video play(SDcard)

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		119.8556	42.02	-14.94	27.08	43.50	-16.42	QP		
2		142.8243	36.46	-17.22	19.24	43.50	-24.26	QP		
3		199.9855	35.48	-13.52	21.96	43.50	-21.54	QP		
4		247.6818	46.49	-11.64	34.85	46.00	-11.15	QP		
5	*	302.4811	45.18	-10.06	35.12	46.00	-10.88	QP		
6		326.7395	43.05	-9.77	33.28	46.00	-12.72	QP		

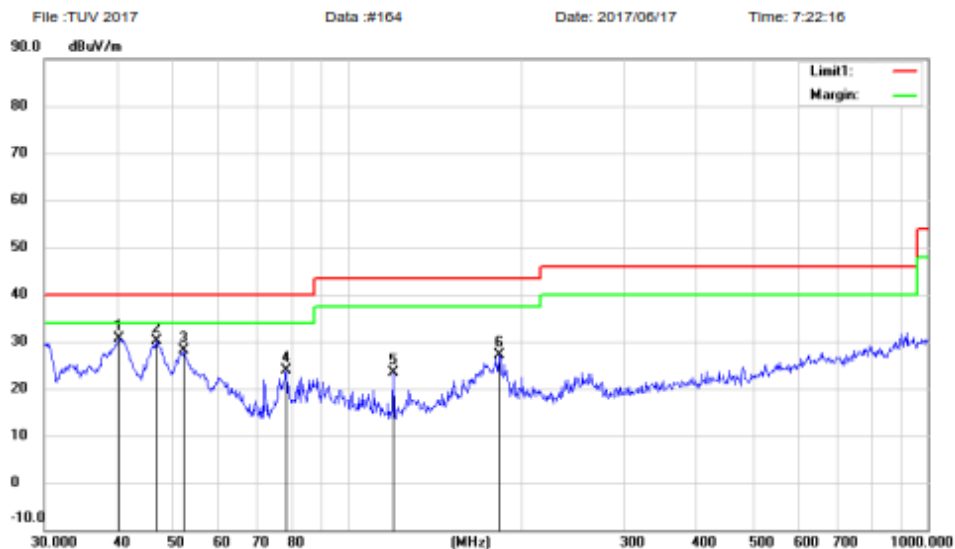
*:Maximum data x:Over limit !:over margin

Operator: skj

File :TUV 2017\Data :#165

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #1

 Polarization: **Vertical**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC120V/60Hz

Humidity: 50 %

EUT: insignia flex android 10 tablet

M/N: NS-P10A8100

Mode: video play(SDcard)

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	*	40.4172	43.05	-12.50	30.55	40.00	-9.45	QP		
2		46.8303	42.69	-12.49	30.20	40.00	-9.80	QP		
3		52.2080	40.91	-12.83	28.08	40.00	-11.92	QP		
4		78.4133	41.85	-17.87	23.98	40.00	-16.02	QP		
5		119.8556	38.20	-14.94	23.26	43.50	-20.24	QP		
6		182.5592	41.44	-14.27	27.17	43.50	-16.33	QP		

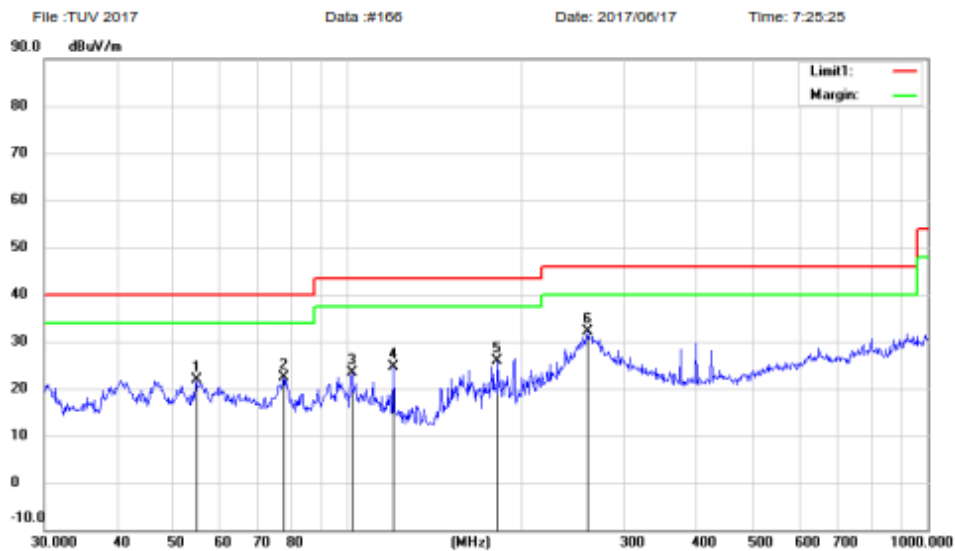
*:Maximum data x:Over limit !:over margin

Operator: skj

File :TUV 2017\Data :#164

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #1

 Polarization: **Horizontal**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC120V/60Hz

Humidity: 50 %

EUT: insignia flex android 10 tablet

M/N: NS-P10A8100

Mode: video play(USBplay)

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		54.8348	34.73	-12.94	21.79	40.00	-18.21	QP		
2		77.5927	40.21	-17.91	22.30	40.00	-17.70	QP		
3		101.6443	35.92	-12.48	23.44	43.50	-20.06	QP		
4		119.8556	39.69	-14.94	24.75	43.50	-18.75	QP		
5		181.2834	40.27	-14.45	25.82	43.50	-17.68	QP		
6	*	259.2338	42.78	-10.72	32.06	46.00	-13.94	QP		

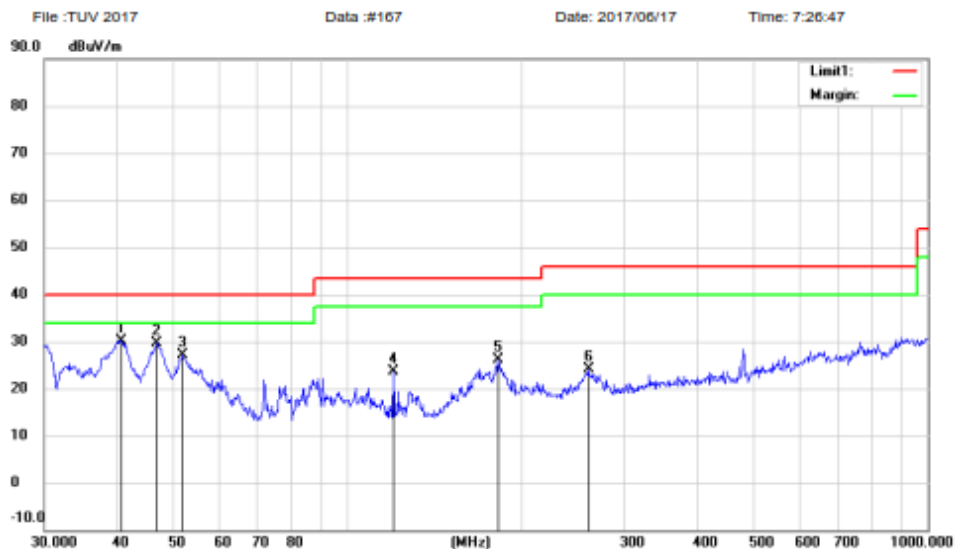
*:Maximum data x:Over limit !:over margin

Operator: skj

File :TUV 2017\Data :#166

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:video play(USBplay)
 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	*	40.7016	42.76	-12.52	30.24	40.00	-9.76	QP		
2		46.8303	42.13	-12.49	29.64	40.00	-10.36	QP		
3		51.8430	39.82	-12.80	27.02	40.00	-12.98	QP		
4		119.8556	38.49	-14.94	23.55	43.50	-19.95	QP		
5		181.9202	40.51	-14.36	26.15	43.50	-17.35	QP		
6		260.1444	34.84	-10.66	24.18	46.00	-21.82	QP		

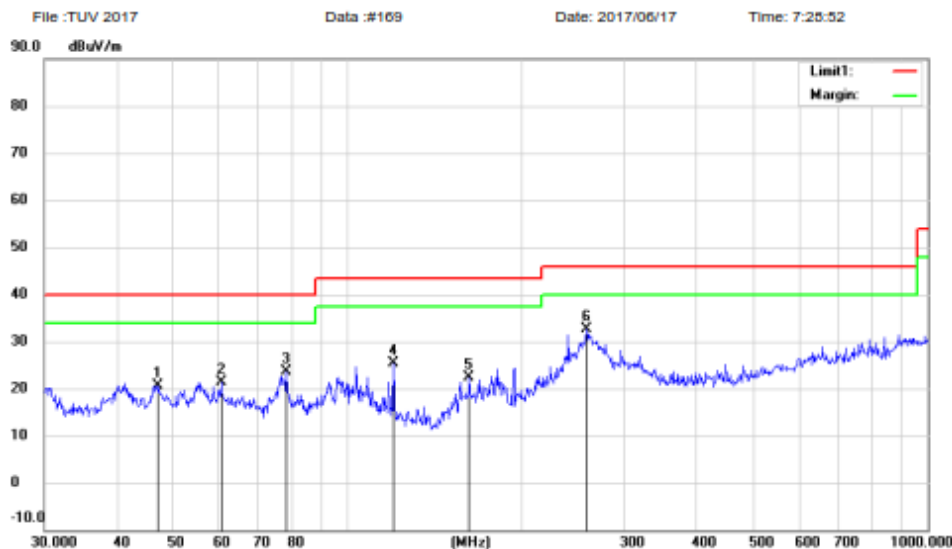
*:Maximum data x:Over limit !:over margin

Operator: skj

File :TUV 2017\Data :#167

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode: camera recording(front)
 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		47.1597	33.17	-12.49	20.68	40.00	-19.32	QP		
2		60.4917	34.42	-13.00	21.42	40.00	-18.58	QP		
3		78.4133	41.42	-17.87	23.55	40.00	-16.45	QP		
4		119.8555	40.33	-14.94	25.39	43.50	-18.11	QP		
5		162.0413	38.23	-15.95	22.28	43.50	-21.22	QP		
6	*	258.3263	43.37	-10.83	32.54	46.00	-13.46	QP		

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

Operator: skj

File :TUV 2017\Data :#169

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode: camera recording(front)
 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		40.1347	42.85	-12.50	30.35	40.00	-9.65	QP		
2	*	46.8302	42.99	-12.49	30.50	40.00	-9.50	QP		
3		52.0251	41.23	-12.82	28.41	40.00	-11.59	QP		
4		78.4133	41.82	-17.87	23.95	40.00	-16.05	QP		
5		181.9202	42.61	-14.36	28.25	43.50	-15.25	QP		
6		239.9873	36.09	-11.50	24.59	46.00	-21.41	QP		

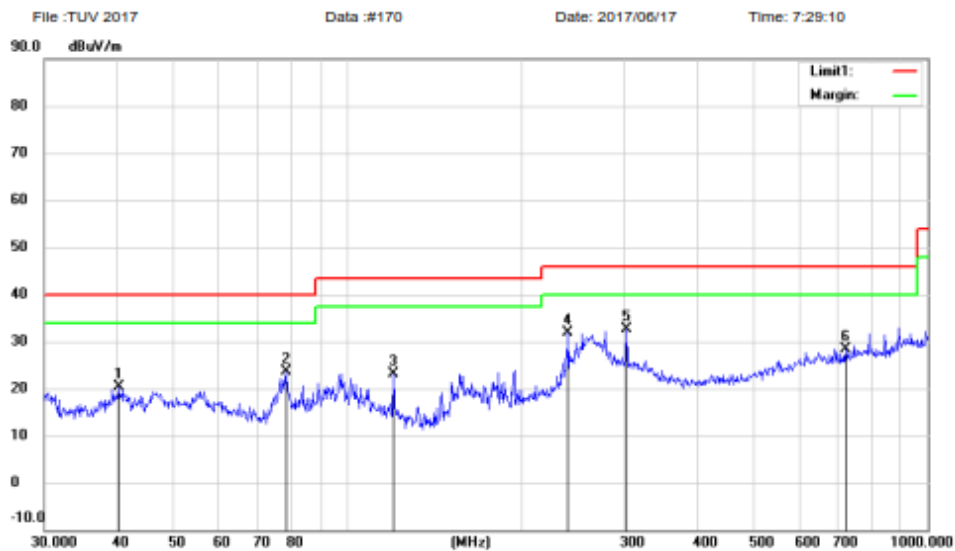
*:Maximum data x:Over limit !:over margin

Operator: skj

File :TUV 2017\Data :#168

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:camera recording(back)
 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		40.2754	32.79	-12.49	20.30	40.00	-19.70	QP		
2		78.4133	41.62	-17.87	23.75	40.00	-16.25	QP		
3		119.8555	38.13	-14.94	23.19	43.50	-20.31	QP		
4		239.9873	43.32	-11.50	31.82	46.00	-14.18	QP		
5	*	302.4811	42.81	-10.06	32.75	46.00	-13.25	QP		
6		721.7258	32.55	-4.13	28.42	46.00	-17.58	QP		

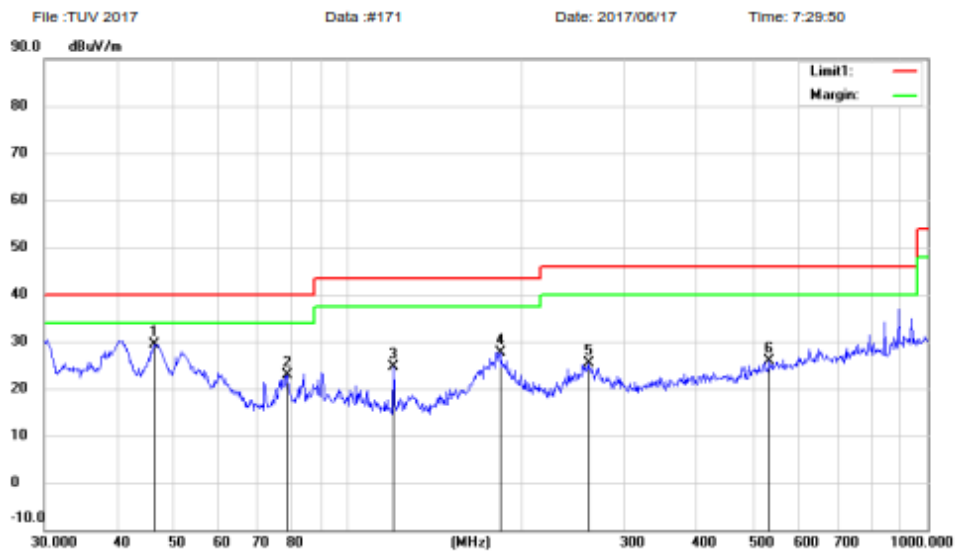
*:Maximum data x:Over limit !:over margin

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Radiated Emission Measurement


Site 3m Chamber #1

 Polarization: **Vertical**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC120V/60Hz

Humidity: 50 %

EUT: insignia flex android 10 tablet

M/N: NS-P10A8100

Mode: camera recording(back)

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	*	46.3402	41.97	-12.50	29.47	40.00	-10.53	QP		
2		78.6885	40.64	-17.84	22.80	40.00	-17.20	QP		
3		119.8555	39.55	-14.94	24.61	43.50	-18.89	QP		
4		183.2005	41.90	-14.20	27.70	43.50	-15.80	QP		
5		260.1444	35.98	-10.66	25.32	46.00	-20.68	QP		
6		533.8320	32.14	-6.18	25.96	46.00	-20.04	QP		

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

Operator: skj

File :TUV 2017\Data :#171

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Radiated Emission Measurement


Site 3m Chamber #1

 Polarization: **Horizontal**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC120V/60Hz

Humidity: 50 %

EUT: insignia flex android 10 tablet

M/N: NS-P10A8100

Mode:connect to computer

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		71.8320	45.81	-17.37	28.44	40.00	-11.56	QP		
2		97.4560	38.80	-12.63	26.17	43.50	-17.33	QP		
3		119.8556	47.23	-14.94	32.29	43.50	-11.21	QP		
4		183.8440	45.76	-14.11	31.65	43.50	-11.85	QP		
5	*	259.2338	45.63	-10.72	34.91	46.00	-11.09	QP		
6		434.0651	40.14	-7.87	32.27	46.00	-13.73	QP		

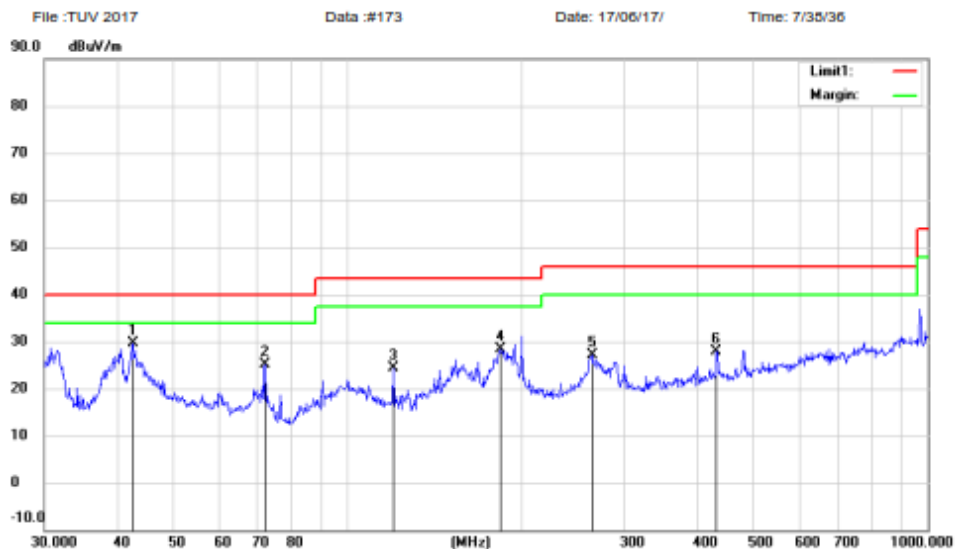
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Operator: skj

File :TUV 2017\Data :#172

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Radiated Emission Measurement


Site 3m Chamber #1

 Polarization: **Vertical**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC120V/60Hz

Humidity: 50 %

EUT: insignia flex android 10 tablet

M/N: NS-P10A8100

Mode:connect to computer

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	*	42.6000	42.31	-12.57	29.74	40.00	-10.26	QP		
2		72.0843	42.58	-17.43	25.15	40.00	-14.85	QP		
3		119.8556	39.25	-14.94	24.31	43.50	-19.19	QP		
4		183.8440	42.49	-14.11	28.38	43.50	-15.12	QP		
5		263.8190	38.40	-11.22	27.18	46.00	-18.82	QP		
6		432.5457	35.91	-7.92	27.99	46.00	-18.01	QP		

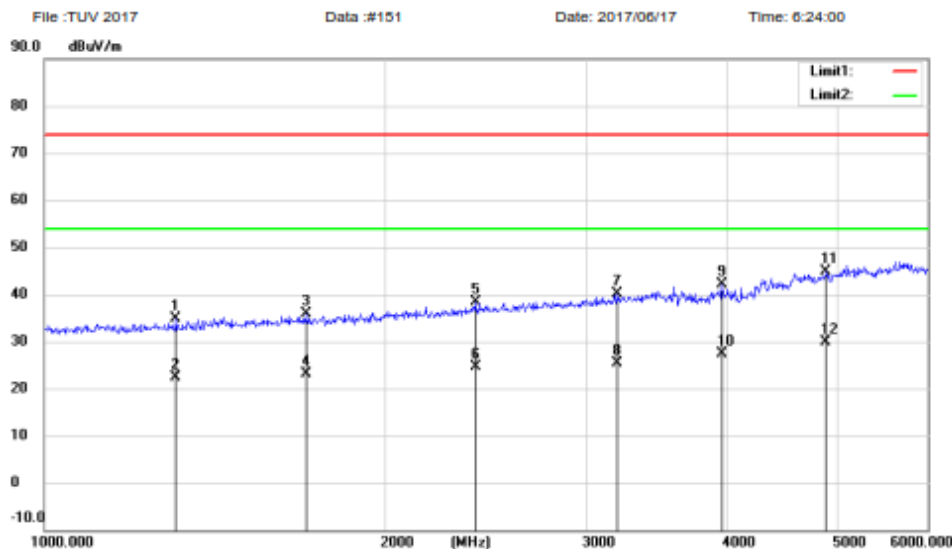
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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:video play(memory)
 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		1306.004	47.91	-13.13	34.78	74.00	-39.22	peak		
2		1306.004	35.49	-13.13	22.36	54.00	-31.64	AVG		
3		1699.545	48.07	-12.22	35.85	74.00	-38.15	peak		
4		1699.545	35.34	-12.22	23.12	54.00	-30.88	AVG		
5		2397.385	48.81	-10.50	38.31	74.00	-35.69	peak		
6		2397.385	35.06	-10.50	24.56	54.00	-29.44	AVG		
7		3199.044	48.49	-8.41	40.08	74.00	-33.92	peak		
8		3199.044	33.77	-8.41	25.36	54.00	-28.64	AVG		
9		3952.228	48.54	-6.51	42.03	74.00	-31.97	peak		
10		3952.228	33.96	-6.51	27.45	54.00	-26.55	AVG		
11		4882.743	48.85	-4.01	44.84	74.00	-29.16	peak		
12	*	4882.743	33.90	-4.01	29.89	54.00	-24.11	AVG		

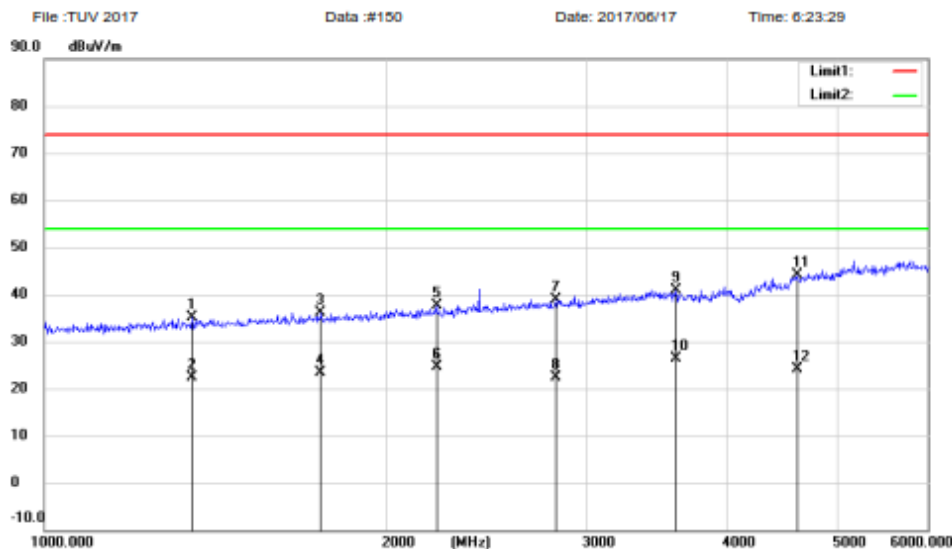
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Radiated Emission Measurement


Site 3m Chamber #1

 Polarization: **Vertical**

Temperature: 22 C

Limit: (RE)FCC PART 15 CLASS B PEAK

Power: AC120V/60Hz

Humidity: 50 %

EUT: insignia flex android 10 tablet

M/N: NS-P10A8100

Mode:video play(memory)

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		1348.811	48.07	-13.02	35.05	74.00	-38.95	peak		
2		1348.811	35.34	-13.02	22.32	54.00	-31.68	AVG		
3		1752.110	48.33	-12.11	36.22	74.00	-37.78	peak		
4		1752.110	35.52	-12.11	23.41	54.00	-30.59	AVG		
5		2215.640	48.69	-10.96	37.73	74.00	-36.27	peak		
6		2215.640	35.52	-10.96	24.56	54.00	-29.44	AVG		
7		2821.952	48.24	-9.38	38.86	74.00	-35.14	peak		
8		2821.952	31.73	-9.38	22.35	54.00	-31.65	AVG		
9		3600.627	48.22	-7.41	40.81	74.00	-33.19	peak		
10	*	3600.627	33.86	-7.41	26.45	54.00	-27.55	AVG		
11		4602.405	49.02	-4.77	44.25	74.00	-29.75	peak		
12		4602.405	28.92	-4.77	24.15	54.00	-29.85	AVG		

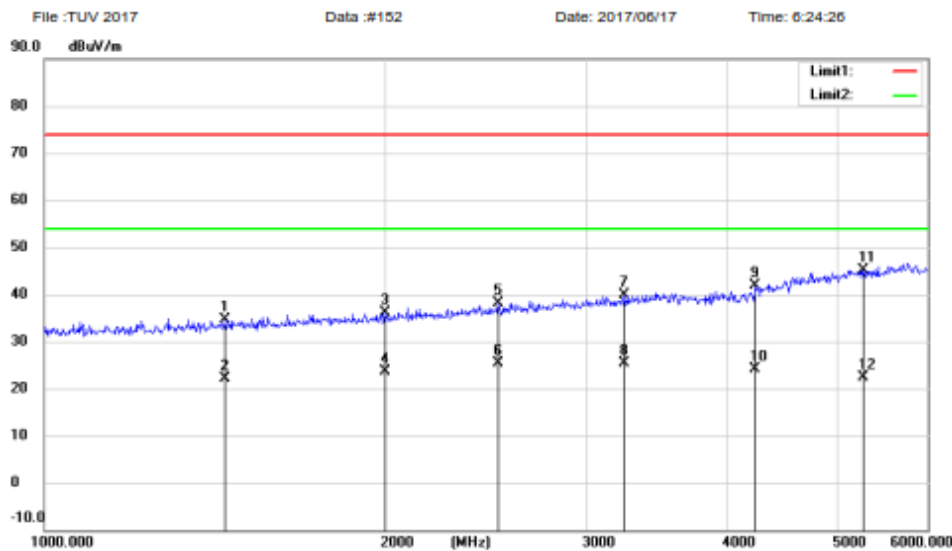
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Operator: skj

File :TUV 2017\Data :#150

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:video play(SDcard)
 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		1443.846	47.48	-12.80	34.68	74.00	-39.32	peak		
2		1443.846	35.01	-12.80	22.21	54.00	-31.79	AVG		
3		1996.946	47.62	-11.53	36.09	74.00	-37.91	peak		
4		1996.946	35.07	-11.53	23.54	54.00	-30.46	AVG		
5		2511.711	48.33	-10.19	38.14	74.00	-35.86	peak		
6	*	2511.711	35.60	-10.19	25.41	54.00	-28.59	AVG		
7		3245.229	48.20	-8.29	39.91	74.00	-34.09	peak		
8		3245.229	33.65	-8.29	25.36	54.00	-28.64	AVG		
9		4230.695	47.55	-5.77	41.78	74.00	-32.22	peak		
10		4230.695	29.89	-5.77	24.12	54.00	-29.88	AVG		
11		5264.368	48.46	-3.29	45.17	74.00	-28.83	peak		
12		5264.368	25.65	-3.29	22.36	54.00	-31.64	AVG		

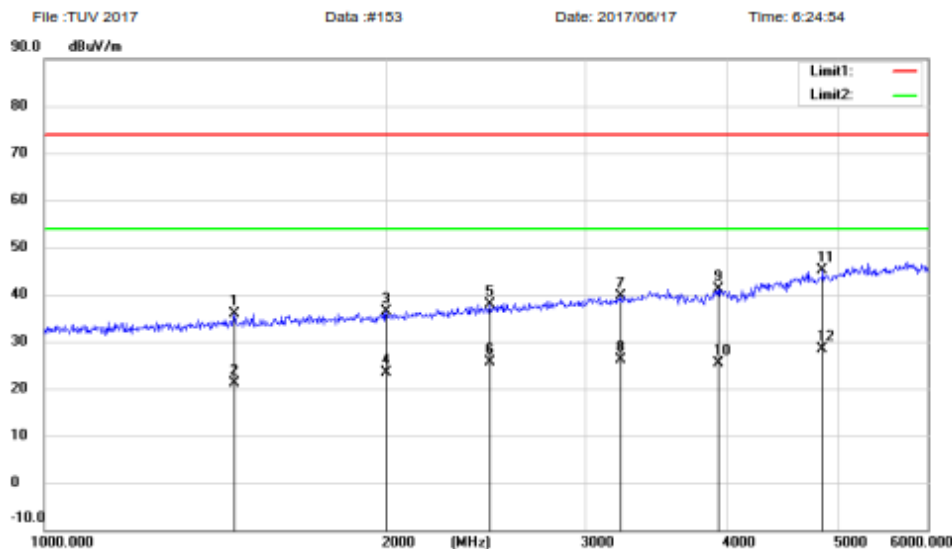
*:Maximum data x:Over limit !:over margin

Operator: skj

File :TUV 2017\Data :#152

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:video play(SDcard)
 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		1469.950	48.52	-12.75	35.77	74.00	-38.23	peak		
2		1469.950	33.87	-12.75	21.12	54.00	-32.88	AVG		
3		2000.527	47.82	-11.53	36.29	74.00	-37.71	peak		
4		2000.527	34.84	-11.53	23.31	54.00	-30.69	AVG		
5		2467.108	48.31	-10.32	37.99	74.00	-36.01	peak		
6		2467.108	35.86	-10.32	25.54	54.00	-28.46	AVG		
7		3216.286	48.04	-8.38	39.66	74.00	-34.34	peak		
8		3216.286	34.46	-8.38	26.08	54.00	-27.92	AVG		
9		3924.004	47.71	-6.58	41.13	74.00	-32.87	peak		
10		3924.004	32.05	-6.58	25.47	54.00	-28.53	AVG		
11		4847.873	49.16	-4.10	45.06	74.00	-28.94	peak		
12	*	4847.873	32.57	-4.10	28.47	54.00	-25.53	AVG		

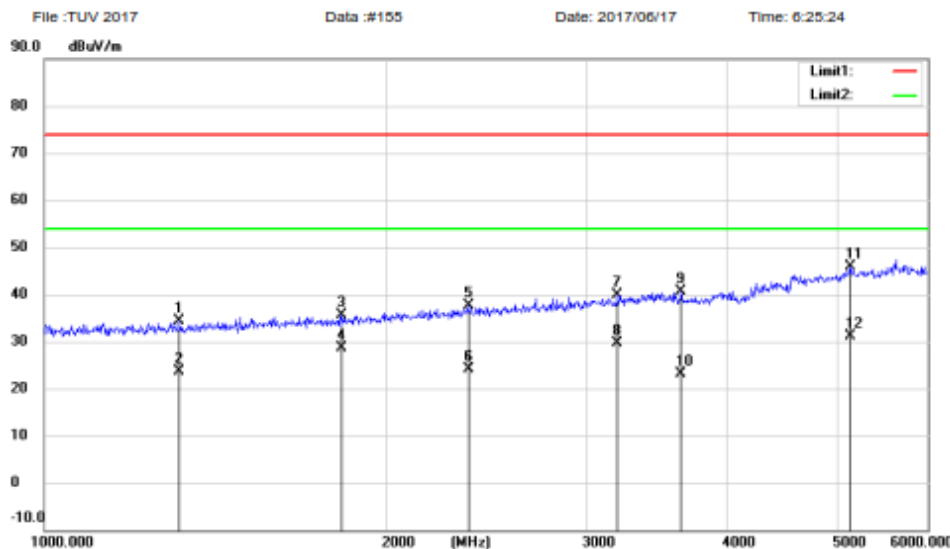
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Operator: skj

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:video play(USBplay)
 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		1315.398	47.54	-13.11	34.43	74.00	-39.57	peak		
2		1315.398	36.63	-13.11	23.52	54.00	-30.48	AVG		
3		1825.824	47.50	-11.93	35.57	74.00	-38.43	peak		
4		1825.824	40.47	-11.93	28.54	54.00	-25.46	AVG		
5		2363.266	48.08	-10.57	37.51	74.00	-36.49	peak		
6		2363.266	34.69	-10.57	24.12	54.00	-29.88	AVG		
7		3199.044	48.21	-8.41	39.80	74.00	-34.20	peak		
8		3199.044	38.06	-8.41	29.65	54.00	-24.35	AVG		
9		3639.545	47.97	-7.30	40.67	74.00	-33.33	peak		
10		3639.545	30.51	-7.30	23.21	54.00	-30.79	AVG		
11		5124.765	49.46	-3.51	45.95	74.00	-28.05	peak		
12	*	5124.765	34.74	-3.51	31.23	54.00	-22.77	AVG		

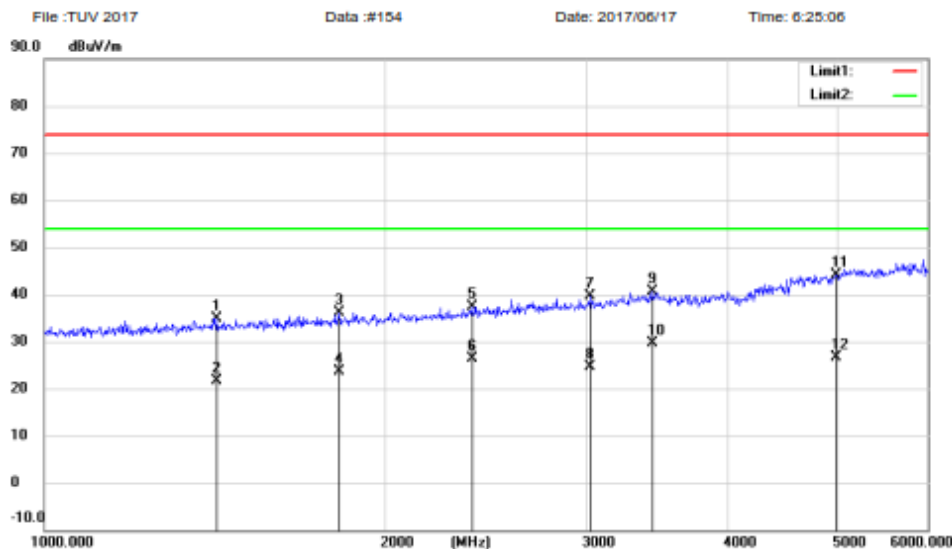
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Operator: skj

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:video play(USBplay)
 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		1418.207	47.87	-12.87	35.00	74.00	-39.00	peak		
2		1418.207	34.41	-12.87	21.54	54.00	-32.46	AVG		
3		1819.292	48.11	-11.94	36.17	74.00	-37.83	peak		
4		1819.292	35.46	-11.94	23.52	54.00	-30.48	AVG		
5		2380.264	47.92	-10.54	37.38	74.00	-36.62	peak		
6		2380.264	36.89	-10.54	26.35	54.00	-27.65	AVG		
7		3026.199	48.47	-8.85	39.62	74.00	-34.38	peak		
8		3026.199	33.43	-8.85	24.58	54.00	-29.42	AVG		
9		3436.736	48.50	-7.81	40.69	74.00	-33.31	peak		
10	*	3436.736	37.46	-7.81	29.65	54.00	-24.35	AVG		
11		4979.933	47.86	-3.74	44.12	74.00	-29.88	peak		
12		4979.933	30.28	-3.74	26.54	54.00	-27.46	AVG		

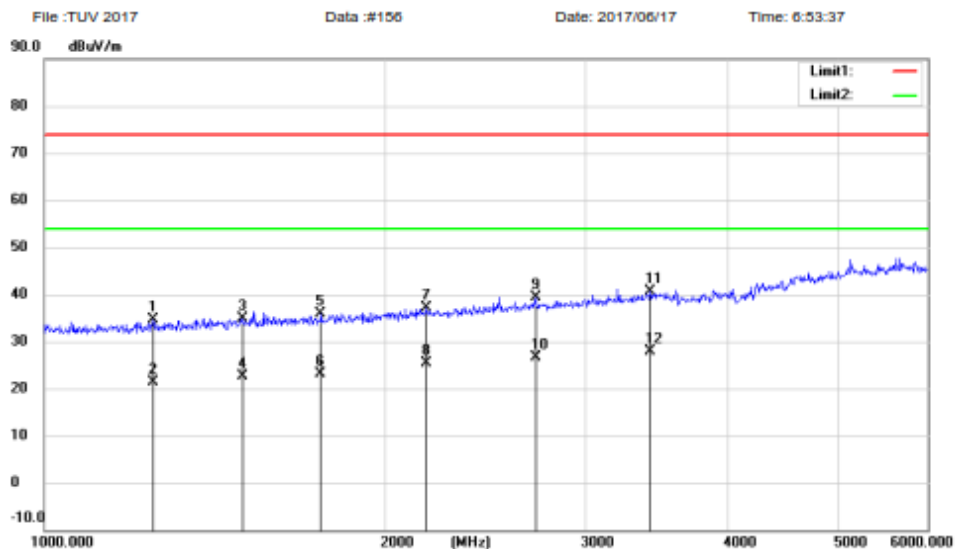
*:Maximum data x:Over limit !:over margin

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:camera recording(front)
 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		1246.558	47.98	-13.26	34.72	74.00	-39.28	peak		
2		1246.558	34.62	-13.26	21.36	54.00	-32.64	AVG		
3		1493.846	47.59	-12.69	34.90	74.00	-39.10	peak		
4		1493.846	35.25	-12.69	22.56	54.00	-31.44	AVG		
5		1752.110	48.02	-12.11	35.91	74.00	-38.09	peak		
6		1752.110	35.23	-12.11	23.12	54.00	-30.88	AVG		
7		2172.398	48.09	-11.08	37.01	74.00	-36.99	peak		
8		2172.398	36.53	-11.08	25.45	54.00	-28.55	AVG		
9		2708.021	49.02	-9.68	39.34	74.00	-34.66	peak		
10		2708.021	36.24	-9.68	26.56	54.00	-27.44	AVG		
11		3418.312	48.50	-7.86	40.64	74.00	-33.36	peak		
12	*	3418.312	35.74	-7.86	27.88	54.00	-26.12	AVG		

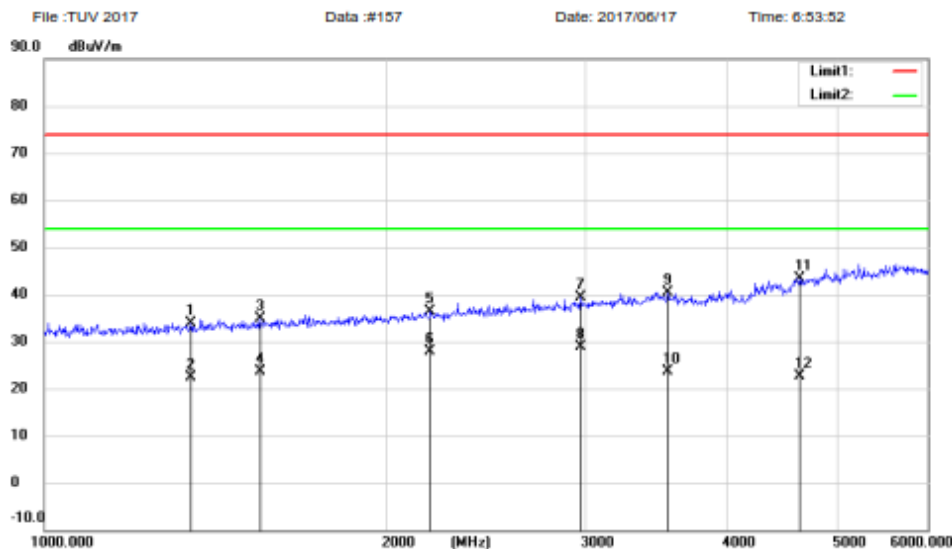
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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:camera recording(front)
 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		1346.397	46.96	-13.03	33.93	74.00	-40.07	peak		
2		1346.397	35.39	-13.03	22.36	54.00	-31.64	AVG		
3		1548.349	47.39	-12.56	34.83	74.00	-39.17	peak		
4		1548.349	36.12	-12.56	23.56	54.00	-30.44	AVG		
5		2188.024	47.48	-11.04	36.44	74.00	-37.56	peak		
6		2188.024	38.93	-11.04	27.89	54.00	-26.11	AVG		
7		2967.138	48.39	-9.01	39.38	74.00	-34.62	peak		
8	*	2967.138	37.99	-9.01	28.98	54.00	-25.02	AVG		
9		3543.030	47.96	-7.55	40.41	74.00	-33.59	peak		
10		3543.030	31.09	-7.55	23.54	54.00	-30.46	AVG		
11		4627.211	48.20	-4.70	43.50	74.00	-30.50	peak		
12		4627.211	27.24	-4.70	22.54	54.00	-31.46	AVG		

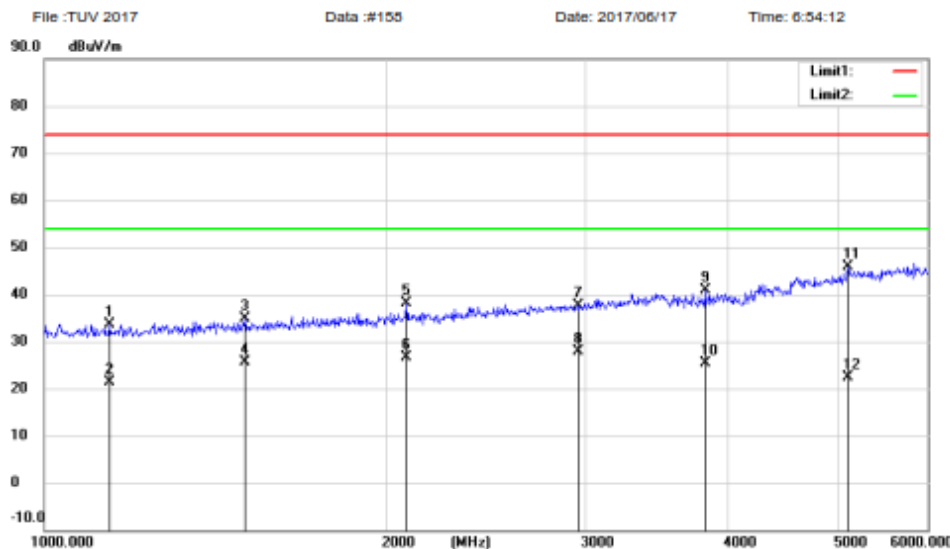
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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:camera recording(back)
 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		1141.782	47.25	-13.50	33.75	74.00	-40.25	peak		
2		1141.782	34.95	-13.50	21.45	54.00	-32.55	AVG		
3		1501.898	47.60	-12.68	34.92	74.00	-39.08	peak		
4		1501.898	38.22	-12.68	25.54	54.00	-28.46	AVG		
5		2084.693	49.49	-11.31	38.18	74.00	-35.82	peak		
6		2084.693	37.87	-11.31	26.56	54.00	-27.44	AVG		
7		2956.525	46.74	-9.03	37.71	74.00	-36.29	peak		
8	*	2956.525	36.92	-9.03	27.89	54.00	-26.11	AVG		
9		3819.945	47.82	-6.85	40.97	74.00	-33.03	peak		
10		3819.945	32.30	-6.85	25.45	54.00	-28.55	AVG		
11		5106.433	49.42	-3.53	45.89	74.00	-28.11	peak		
12		5106.433	25.89	-3.53	22.36	54.00	-31.64	AVG		

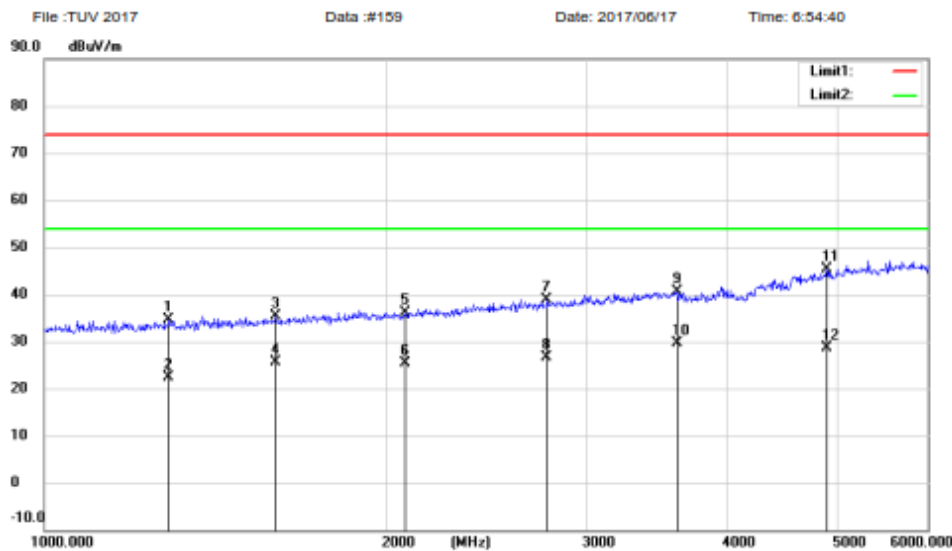
*:Maximum data x:Over limit !:over margin

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Radiated Emission Measurement


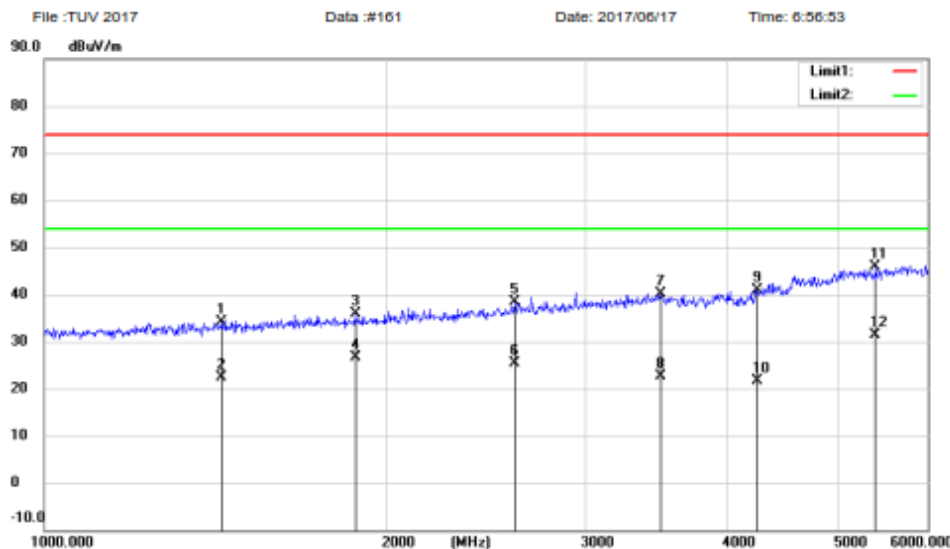
Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:camera recording(back)
 Note:

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		1287.417	47.72	-13.17	34.55	74.00	-39.45	peak		
2		1287.417	35.53	-13.17	22.36	54.00	-31.64	AVG		
3		1599.100	47.89	-12.45	35.44	74.00	-38.56	peak		
4		1599.100	38.10	-12.45	25.65	54.00	-28.35	AVG		
5		2080.961	47.55	-11.32	36.23	74.00	-37.77	peak		
6		2080.961	36.73	-11.32	25.41	54.00	-28.59	AVG		
7		2771.839	48.33	-9.51	38.82	74.00	-35.18	peak		
8		2771.839	36.09	-9.51	26.58	54.00	-27.42	AVG		
9		3607.084	47.99	-7.39	40.60	74.00	-33.40	peak		
10	*	3607.084	37.04	-7.39	29.65	54.00	-24.35	AVG		
11		4891.499	49.44	-3.98	45.46	74.00	-28.54	peak		
12		4891.499	32.73	-3.98	28.75	54.00	-25.25	AVG		

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

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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Horizontal** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:connect to computer
 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		1433.535	46.85	-12.83	34.02	74.00	-39.98	peak		
2		1433.535	35.19	-12.83	22.36	54.00	-31.64	AVG		
3		1878.924	47.75	-11.81	35.94	74.00	-38.06	peak		
4		1878.924	38.49	-11.81	26.68	54.00	-27.32	AVG		
5		2594.039	48.36	-9.97	38.39	74.00	-35.61	peak		
6		2594.039	35.42	-9.97	25.45	54.00	-28.55	AVG		
7		3492.606	47.75	-7.67	40.08	74.00	-33.92	peak		
8		3492.606	30.21	-7.67	22.54	54.00	-31.46	AVG		
9		4245.883	46.51	-5.73	40.78	74.00	-33.22	peak		
10		4245.883	27.25	-5.73	21.52	54.00	-32.48	AVG		
11		5398.092	48.93	-3.10	45.83	74.00	-28.17	peak		
12	*	5398.092	34.36	-3.10	31.26	54.00	-22.74	AVG		

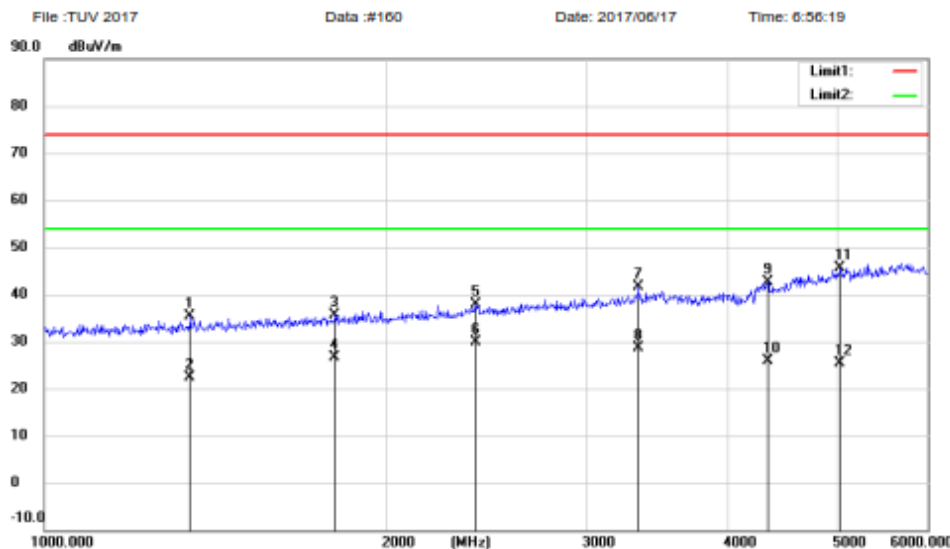
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Radiated Emission Measurement


Site 3m Chamber #1 Polarization: **Vertical** Temperature: 22 C
 Limit: (RE)FCC PART 15 CLASS B PEAK Power: AC120V/60Hz Humidity: 50 %
 EUT: insignia flex android 10 tablet
 M/N: NS-P10A8100
 Mode:connect to computer
 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		1343.986	48.46	-13.03	35.43	74.00	-38.57	peak		
2		1343.986	35.39	-13.03	22.36	54.00	-31.64	AVG		
3		1803.066	47.68	-11.99	35.69	74.00	-38.31	peak		
4		1803.066	38.53	-11.99	26.54	54.00	-27.46	AVG		
5		2397.385	48.27	-10.50	37.77	74.00	-36.23	peak		
6	*	2397.385	40.37	-10.50	29.87	54.00	-24.13	AVG		
7		3339.610	49.59	-8.06	41.53	74.00	-32.47	peak		
8		3339.610	36.62	-8.06	28.56	54.00	-25.44	AVG		
9		4338.163	48.04	-5.48	42.56	74.00	-31.44	peak		
10		4338.163	31.33	-5.48	25.85	54.00	-28.15	AVG		
11		5024.748	49.32	-3.65	45.67	74.00	-28.33	peak		
12		5024.748	29.06	-3.65	25.41	54.00	-28.59	AVG		

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

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