Prüfbericht-Nr.: *Test Report No.:*	**50089521 003**	**Auftrags-Nr.:** *Order No.:*	164096020	Seite 1 von 31 *Page 1 of 31*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date:*	08.06.2017	
Auftraggeber: *Client:*	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: *Test item:*	Insignia Flex Window 10" Tablet with Keyboard			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	NS-P10W8100, NS-P10W8100-C, xxxxxxP10W81xxxxxx, NB1028-IJ (x=0-9, A-Z, a-z, - or blank, for market purpose only) (Trademark: INSIGNIA)			
Auftrags-Inhalt: *Order content:*	FCC/IC Certification			
Prüfgrundlage: *Test specification:*	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			
Wareneingangsdatum: *Date of receipt:*	08.06.2017			
Prüfmuster-Nr.: *Test sample No.:*	A000561697-001 to 003			
Prüfzeitraum: *Testing period:*	16.06.2017 - 03.07.2017			
Ort der Prüfung: *Place of testing:*	EMTEK (Shenzhen) Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			

geprüft von / *tested by:*			**kontrolliert von** / *reviewed by:*		
12.07.2017	Alex Lan / Project Engineer		12.07.2017	Owen Tian/Technical Certifier	
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other:*

FCC ID: XMF-NB1028
IC: 20064-NB1028 HVIN: NS-P10W8100

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

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

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT
RESULT: Pass

5.1.2 PEAK 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
Transmitter spurious 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	BBHA9170399	2018-05-20
EMI Test Receiver	Rohde & Schwarz	FSV40	132.1-3008K39-100967-AP	2018-05-20
Pre-Amplifier	Lunar EM	LNA26G40-40	J1013131028001	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
Radio Spectrum Test				
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
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 basics using in house standards or comparisons.

2.5 Measurement Uncertainty

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	±1x10^-5
Maximum Peak Output Power Test	±1.0dB
Conducted Emissions Test	±2.0dB
Radiated Emission Test	±2.0dB
Power Density	±2.0dB
Occupied Bandwidth Test	±1.0dB
Band Edge Test	±3dB
All emission, radiated	±3dB
Antenna Port Emission	±3dB
Temperature	±0.5℃
Humidity	±3%

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

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 Window 10" tablet with Wi-Fi, Bluetooth function.
All models are identical except the model name.
The EUTs have two antennas, two antennas cannot transmitter simultaneously.
For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Insignia Flex Window 10" Tablet with Keyboard
Type Designation	NS-P10W8100, NS-P10W8100-C, xxxxxxP10W81xxxxxx, NB1028-IJ (x=0-9, A-Z, a-z, - or blank, for market purpose only)
FCC ID	XMF-NB1028
IC	20064-NB1028
HVIN	NS-P10W8100
Operating Frequency band	5180 – 5240MHz, 5745 – 5825MHz
Extreme Temperature Range	0~+45℃
Operation Voltage	DC 3.7V, 6800mAh via built-in lithium-ion battery DC 5V via AC/DC adapter
Antenna Gain	Ant1: 1.32dBi, Ant2: 1.32dBi

Table 4: Technical Specification of 5GHz, 802.11a/n

Operating mode(s) / WiFi	IEEE 802.11a	IEEE 802.11n HT20	IEEE 802.11n HT40
Test modulation	OFDM (BPSK, QPSK, 16-QAM, 64-QAM)	OFDM (BPSK, QPSK, 16-QAM, 64-QAM)	OFDM (BPSK, QPSK, 16-QAM, 64-QAM)
Transmit Frequency Range (MHz)	5180 - 5240, 5745 - 5825	5180 - 5240, 5745 - 5825	5190 - 5230, 5755 - 5795
Channel Number	9	9	4
Data Rate (Mbps)	6, 9, 12, 18, 24, 36, 48, 54	MCS0 ~ MCS7	MCS0 ~ MCS7
Output Power Setting level	13	12	12
Remark: Reduce power setting of 802.11g/n due to power setting of SAR and retest Peak output power.			

Table 5: Technical Specification of 5GHz, 802.11ac

Operating mode(s) / WiFi	IEEE 802.11ac VHT20	IEEE 802.11ac VHT40	IEEE 802.11ac VHT80
Test modulation	OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)	OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)	OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)
Transmit Frequency Range (MHz)	5180 - 5240, 5745 - 5825	5190 - 5230, 5755 - 5795	5210, 5775
Channel Number	9	4	2
Data Rate (Mbps)	MCS0 ~ MCS8	MCS0 ~ MCS9	MCS0 ~ MCS9
Output Power Setting level	13	12	12
Remark: Reduce power setting of 802.11g/n due to power setting of SAR and retest Peak output power.			

Table 6: List of WLAN Channel of 5GHz 802.11a/n

802.11a		802.11n HT20		802.11n HT40	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	36	5180	38	5190
40	5200	40	5200	46	5230
44	5220	44	5220	151	5755
48	5240	48	5240	159	5795
149	5745	149	5745		
153	5765	153	5765		
157	5785	157	5785		
161	5805	161	5805		
165	5825	165	5825		

Table 7: List of WLAN Channel of 5GHz 802.11ac

802.11ac VHT20		802.11ac VHT40		802.11ac VHT80	
Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)	Channel Number	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230	155	5775
44	5220	151	5755		
48	5240	159	5795		
149	5745				
153	5765				
157	5785				
161	5805				
165	5825				

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Wi-Fi mode
   1. Transmitting
      a. 802.11a
      b. 802.11n HT20
      c. 802.11n HT40
      d. 802.11ac VHT20
      e. 802.11ac VHT40
      f. 802.11ac VHT80

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	SHENZHEN TEKA TECHNOLOGY CO., LTD.	TEKA024-0503000UK	Input: AC 100-240V, 50/60Hz, 0.7A; Output: DC 5V, 3.0A

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

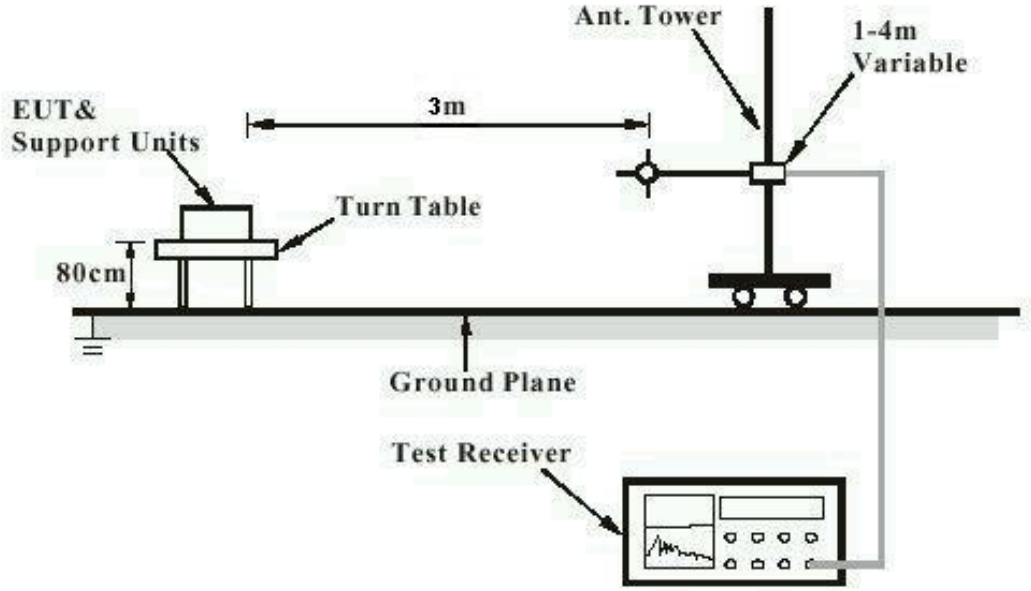


Diagram of Measurement Configuration for Radiation Test of above 1GHz

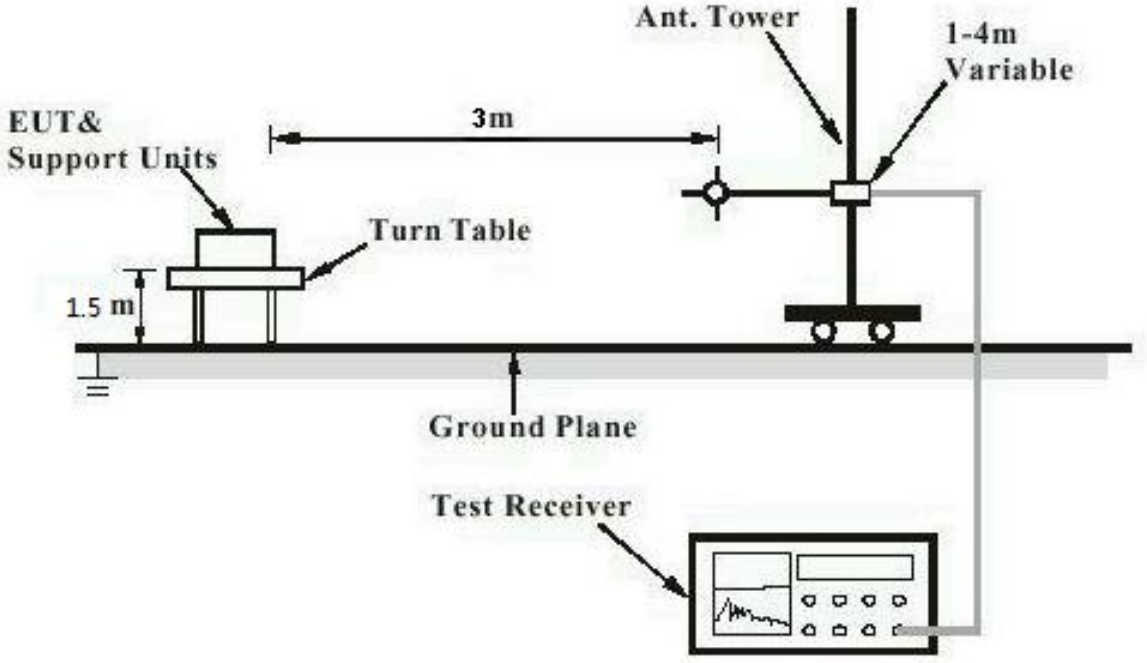


Diagram of Measurement Equipment Configuration for Conduction Measurement

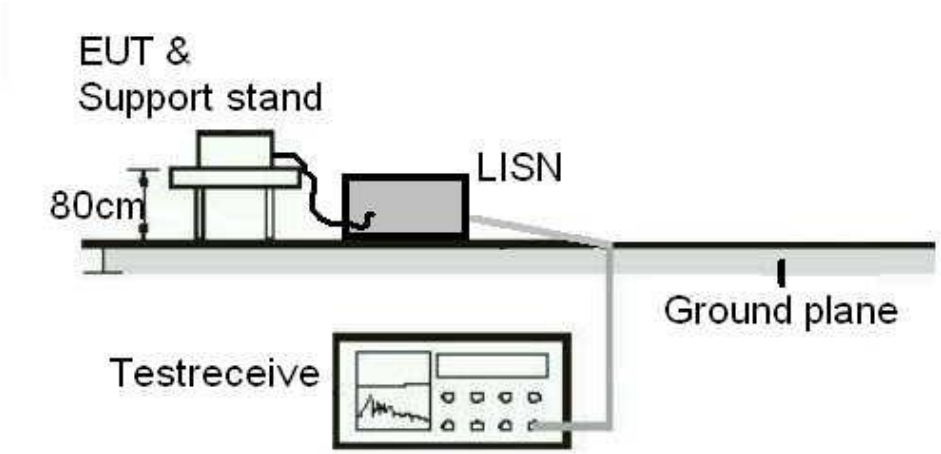
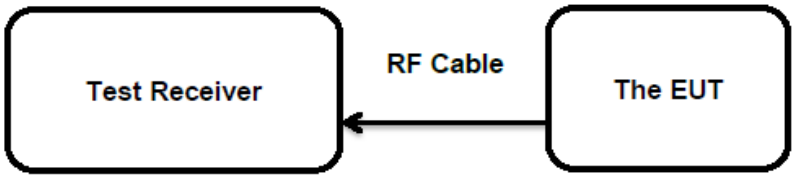


Diagram of Measurement Equipment Configuration for Transmitter Measurement



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 1.32dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

5.1.2 Peak Output Power

RESULT: **Pass**

Test date	:	2017-06-26
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	:	23dBm 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℃
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

Table 8: Test result of Peak Output Power of Band U-NII-1

Mode	Channel Frequency (MHz)	Peak Output Power (dBm)		Limit (dBm)
		ANT1	ANT2	
802.11a	5180	14.19	14.15	23
	5200	13.89	13.43	23
	5240	13.65	13.56	23
802.11n HT20	5180	13.92	13.80	23
	5200	13.22	13.20	23
	5240	12.46	12.40	23
802.11n HT40	5190	13.03	13.39	23
	5230	12.35	12.46	23
802.11ac VHT20	5180	13.95	13.97	23
	5200	12.24	12.19	23
	5240	13.39	13.46	23
802.11ac VHT40	5190	12.11	12.20	23
	5230	13.54	13.37	23
802.11ac VHT80	5210	12.36	12.50	23

Table 9: Test result of Peak Output Power of Band U-NII-3

Mode	Channel Frequency (MHz)	Peak Output Power (dBm)		Limit (dBm)
		ANT1	ANT2	
802.11a	5745	14.58	14.56	30
	5785	13.83	12.35	30
	5825	13.53	13.70	30
802.11n HT20	5745	13.81	13.74	30
	5785	13.27	13.34	30
	5825	12.30	12.37	30
802.11n HT40	5755	13.54	12.88	30
	5795	12.23	11.54	30
802.11ac VHT20	5745	13.76	13.78	30
	5785	12.29	12.76	30
	5825	11.31	11.79	30
802.11ac VHT40	5755	12.99	12.59	30
	5795	11.23	11.28	30
802.11ac VHT80	5775	11.35	11.95	30

5.1.3 26dB Bandwidth

RESULT: **Pass**

Date of testing	:	2016-07-27
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℃
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

Table 10: Test result of 26dB Bandwidth Band U-NII-1

Mode	Channel Frequency (MHz)	26dB Bandwidth (MHz)		Limit (MHz)
		ANT1	ANT2	
802.11a	5180	22.86	22.52	N/A
	5200	23.39	22.77	N/A
	5240	23.41	22.75	N/A
802.11n HT20	5180	29.24	23.58	N/A
	5200	24.80	23.87	N/A
	5240	28.23	23.48	N/A
802.11n HT40	5190	47.27	41.62	N/A
	5230	48.84	52.93	N/A
802.11ac VHT20	5180	23.48	23.23	N/A
	5200	25.89	23.16	N/A
	5240	27.02	24.59	N/A
802.11ac VHT40	5190	44.38	42.30	N/A
	5230	46.07	42.86	N/A
802.11ac VHT80	5210	106.8	139.0	N/A

Table 11: Test result of 26dB Bandwidth of Band U-NII-3

Mode	Channel Frequency (MHz)	26dB Bandwidth (MHz)		Limit (MHz)
		ANT1	ANT2	
802.11a	5745	22.28	21.10	N/A
	5785	22.35	22.35	N/A
	5825	22.78	22.14	N/A
802.11n HT20	5745	26.01	24.26	N/A
	5785	25.25	24.86	N/A
	5825	24.51	24.63	N/A
802.11n HT40	5755	46.87	44.66	N/A
	5795	44.28	43.58	N/A
802.11ac VHT20	5745	26.98	25.27	N/A
	5785	24.93	24.98	N/A
	5825	24.70	23.99	N/A
802.11ac VHT40	5755	45.70	43.84	N/A
	5795	44.05	44.22	N/A
802.11ac VHT80	5775	83.63	111.3	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℃
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

Table 12: Test result of Frequency Stability Band U-NII-1

Frequency	Voltage (Vac)	Temperature (˚C)	Measured Frequency(MHz)		Frequency deviation(KHz)		ppm	
			ANT1	ANT2	ANT1	ANT2	ANT 1	ANT 2
5180MHz	120	0	5180.030241	5180.030711	30.241	30.711	5.83	5.93
		+10	5180.036021	5180.032635	36.021	32.635	6.95	6.30
		+20	5180.038083	5180.035438	38.083	35.438	7.35	6.84
		+30	5180.022182	5180.025187	22.182	25.187	4.28	4.86
		+40	5180.035727	5180.033971	35.727	33.971	6.90	6.56
		+45	5180.022169	5180.026087	22.169	26.087	4.28	5.04
	85	+25	5180.036085	5180.023871	36.085	23.871	6.97	4.61
	276	+25	5180.039575	5180.027324	39.575	27.324	6.87	5.27

Frequency	Voltage (Vac)	Temperature (˚C)	Measured Frequency(MHz)		Frequency deviation(KHz)		ppm	
			ANT1	ANT2	ANT1	ANT2	ANT 1	ANT 2
5240MHz	120	0	5240.038083	5240.033248	38.083	33.248	7.27	6.35
		+10	5240.039553	5240.042053	39.553	42.053	7.55	8.03
		+20	5240.048701	5240.033554	48.701	33.554	9.23	6.40
		+30	5240.034994	5240.029522	34.994	29.522	6.68	5.63
		+40	5240.021821	5240.026800	21.821	26.800	4.16	5.11
		+45	5240.034558	5240.036210	34.559	36.210	6.60	6.91
	85	+25	5240.038261	5240.044595	38.261	44.595	7.30	8.51
	276	+25	5240.038764	5240.029892	38.764	29.892	7.40	5.70

Table 13: Test result of Frequency Stability Band U-NII-3

Frequency	Voltage (Vac)	Temperature (˚C)	Measured Frequency(MHz)		Frequency deviation(KHz)		ppm	
			ANT1	ANT2	ANT1	ANT2	ANT 1	ANT 2
5745MHz	120	0	5745.022182	5745.025185	22.182	25.185	3.86	4.38
		+10	5745.033999	5745.035889	33.999	35.889	5.92	6.25
		+20	5745.024701	5745.032635	24.701	32.635	4.30	5.68
		+30	5745.031470	5745.033259	21.470	33.259	3.74	5.79
		+40	5745.021630	5745.038456	21.630	38.456	3.77	6.69
		+45	5745.039575	5745.028968	39.575	28.968	6.89	5.04
	85	+25	5745.039883	5745.031023	39.883	31.023	6.94	5.40
	276	+25	5745.036310	5745.032909	36.310	32.909	6.32	5.73

Frequency	Voltage (Vac)	Temperature (˚C)	Measured Frequency(MHz)		Frequency deviation(KHz)		ppm	
			ANT1	ANT2	ANT1	ANT2	ANT 1	ANT 2
5825MHz	120	0	5825.024051	5825.026087	24.051	26.087	4.13	4.48
		+10	5825.030239	5825.022678	30.239	22.678	5.19	3.89
		+20	5825.042310	5825.021715	42.310	21.715	7.26	3.73
		+30	5825.030287	5825.027551	30.287	27.551	5.20	4.73
		+40	5825.023434	5825.023487	23.434	23.487	4.02	4.03
		+45	5825.032214	5825.032757	32.214	32.757	5.53	5.62
	85	+25	5825.030474	5825.034861	30.474	34.861	5.23	5.98
	276	+25	5825.032836	5825.030132	32.836	30.132	5.64	5.17

5.1.5 99% Bandwidth

RESULT: **Pass**

Date of testing	:	2016-07-27
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℃
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

Table 14: Test result of 99% Bandwidth Band U-NII-1

Mode	Channel Frequency (MHz)	99% Bandwidth (MHz)		Limit (MHz)
		ANT1	ANT2	
802.11a	5180	16.480	16.474	N/A
	5200	16.551	16.525	N/A
	5240	16.506	16.474	N/A
802.11n HT20	5180	18.058	17.792	N/A
	5200	17.893	17.830	N/A
	5240	18.089	17.848	N/A
802.11n HT40	5190	36.350	36.310	N/A
	5230	36.474	36.375	N/A
802.11ac VHT20	5180	17.804	17.800	N/A
	5200	17.916	17.808	N/A
	5240	17.943	17.843	N/A
802.11ac VHT40	5190	36.292	36.224	N/A
	5230	36.326	36.219	N/A
802.11ac VHT80	5210	75.740	75.989	N/A

Table 15: Test result of 99% Bandwidth of Band U-NII-3

Mode	Channel Frequency (MHz)	99% Bandwidth (MHz)		Limit (MHz)
		ANT1	ANT2	
802.11a	5745	16.469	16.459	N/A
	5785	16.478	16.490	N/A
	5825	16.458	16.425	N/A
802.11n HT20	5745	17.906	17.877	N/A
	5785	17.869	17.899	N/A
	5825	17.888	17.864	N/A
802.11n HT40	5755	36.377	36.245	N/A
	5795	36.203	36.182	N/A
802.11ac VHT20	5745	17.856	17.910	N/A
	5785	17.849	17.935	N/A
	5825	17.839	17.863	N/A
802.11ac VHT40	5755	36.289	36.284	N/A
	5795	36.112	36.185	N/A
802.11ac VHT80	5775	75.564	75.506	N/A

5.1.6 6dB Bandwidth

RESULT: **Pass**

Date of testing	:	2016-07-27
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℃
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

Table 16: Test result of 6dB Bandwidth Band U-NII-1

Mode	Channel Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
		ANT1	ANT2	
802.11a	5180	14.11	15.02	≥0.5
	5200	15.05	15.05	≥0.5
	5240	15.10	14.86	≥0.5
802.11n HT20	5180	15.17	15.51	≥0.5
	5200	15.16	15.56	≥0.5
	5240	15.16	15.27	≥0.5
802.11n HT40	5190	35.21	35.13	≥0.5
	5230	35.21	35.11	≥0.5
802.11ac VHT20	5180	15.14	15.16	≥0.5
	5200	15.17	15.16	≥0.5
	5240	15.16	15.16	≥0.5
802.11ac VHT40	5190	35.21	35.15	≥0.5
	5230	35.21	35.19	≥0.5
802.11ac VHT80	5210	75.33	75.39	≥0.5

Table 17: Test result of 6dB Bandwidth of Band U-NII-3

Mode	Channel Frequency (MHz)	6dB Bandwidth (MHz)		Limit (MHz)
		ANT1	ANT2	
802.11a	5745	15.05	15.05	≥0.5
	5785	14.23	15.32	≥0.5
	5825	15.18	15.14	≥0.5
802.11n HT20	5745	15.13	15.87	≥0.5
	5785	15.15	15.09	≥0.5
	5825	15.47	15.52	≥0.5
802.11n HT40	5755	35.19	35.19	≥0.5
	5795	35.20	35.15	≥0.5
802.11ac VHT20	5745	15.15	15.13	≥0.5
	5785	15.16	15.33	≥0.5
	5825	15.12	15.49	≥0.5
802.11ac VHT40	5755	35.20	35.17	≥0.5
	5795	35.19	35.20	≥0.5
802.11ac VHT80	5775	75.28	75.29	≥0.5

5.1.7 Power spectral density

RESULT: **Pass**

Date of testing	:	2016-09-13
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	:	<11dBm/MHz (5150-5250MHz); <30dBm/500KHz (5725-5850MHz) e.i.r.p. spectral density <10dBm/MHz (5150-5250MHz) <30dBm/500KHz (5725-5850MHz)
Kind of test site	:	Shield room

Test setup

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

Table 18: Test result of power spectral density of Band U-NII-1

Mode	Channel Frequency (MHz)	Result (dBm/MHz)		Limit (dBm/MHz) for FCC	Limit (dBm/MHz) for IC
		ANT1	ANT2		
802.11a	5180	-2.695	-2.606	11	10
	5200	-2.907	-2.491	11	10
	5240	-2.623	-2.420	11	10
802.11n HT20	5180	-1.059	-2.973	11	10
	5200	-0.955	-1.785	11	10
	5240	-0.716	-3.550	11	10
802.11n HT40	5190	-3.703	-7.089	11	10
	5230	-5.443	-6.899	11	10
802.11ac VHT20	5180	-1.333	-3.232	11	10
	5200	-1.771	-4.230	11	10
	5240	-1.801	-3.215	11	10
802.11ac VHT40	5190	-4.013	-7.597	11	10
	5230	-5.314	-6.377	11	10
802.11ac VHT80	5210	-7.711	-10.366	11	10

Table 19: Test result of power spectral density of Band U-NII-3

Mode	Channel Frequency (MHz)	Result (dBm/500kHz)		Limit (dBm/500kHz)
		ANT1	ANT2	
802.11a	5745	-6.187	-6.229	30
	5785	-5.844	-5.937	30
	5825	-4.821	-5.017	30
802.11n HT20	5745	-5.526	-7.523	30
	5785	-6.195	-7.725	30
	5825	-6.323	-8.328	30
802.11n HT40	5755	-9.225	-10.840	30
	5795	-9.847	-11.782	30
802.11ac VHT20	5745	-5.918	-7.281	30
	5785	-6.204	-7.253	30
	5825	-6.381	-8.465	30
802.11ac VHT40	5755	-9.303	-10.779	30
	5795	-9.604	-10.097	30
802.11ac VHT80	5775	-12.555	-13.677	30

5.1.8 Spurious Emission

RESULT: **Pass**

Date of testing	:	2016-08-20 to 2016-09-06
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℃
Relative humidity	:	53%
Atmospheric pressure	:	101kPa

The frequency range of testing is 30MHz to 40GHz, and no any emissions were found from 26.5GHz to 40GHz, hence the radiated emission from 26.5GHz to 40GHz were not recorded.

For details refer to appendix A.

5.1.9 Conducted emissions

RESULT: **Pass**

Date of testing	:	2016-08-13
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℃
Relative humidity	:	55%
Atmospheric pressure	:	101kPa

For details refer to appendix A.

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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 ware greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18 GHz were reported.
Note 2: Testing was carried out on the antenna which with the higher output power.

1. Transmitter Spurious Emissions of 802.11a mode

1.1 Transmitter Spurious Emissions, 30MHz - 1GHz

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Radiated Emission Measurement

File :TUV Data :#790 Date: 2017-7-3

Site 3m Chamber #2 Polarization: *Horizontal* Temperature: 22 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5180
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	39.25	-14.93	24.32	40.00	-15.68	QP			
2		176.4700	41.30	-16.69	24.61	43.50	-18.89	QP			
3		234.6700	43.55	-13.21	30.34	46.00	-15.66	QP			
4		400.5400	38.87	-8.66	30.21	46.00	-15.79	QP			
5		600.3600	35.11	-3.78	31.33	46.00	-14.67	QP			
6	*	800.1800	33.40	-0.74	32.66	46.00	-13.34	QP			

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

File :TUV\Data :#790 *Page: 1*

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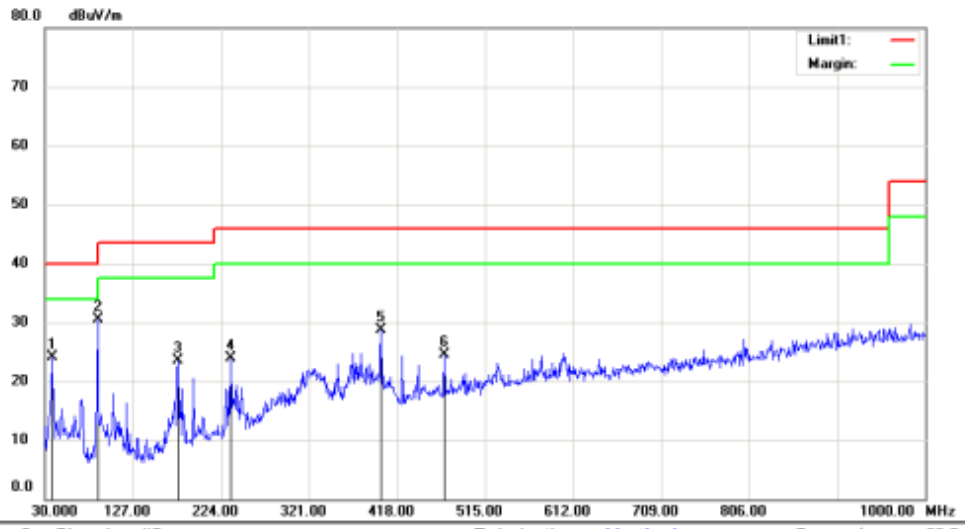
Radiated Emission Measurement

File :TUV Data :#791 Date: 2017-7-3



Site 3m Chamber #2 Polarization: *Vertical* Temperature: 22 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5180
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	38.98	-14.93	24.05	40.00	-15.95	QP			
2	*	88.2000	47.94	-17.52	30.42	43.50	-13.08	QP			
3		176.4700	40.23	-16.69	23.54	43.50	-19.96	QP			
4		234.6700	37.15	-13.21	23.94	46.00	-22.06	QP			
5		400.5400	37.37	-8.66	28.71	46.00	-17.29	QP			
6		470.3800	31.72	-7.14	24.58	46.00	-21.42	QP			

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

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Radiated Emission Measurement

File :TUV Data :#793 Date: 2017-7-3

Site 3m Chamber #2 Polarization: *Horizontal* Temperature: 22 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5200
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	38.46	-14.93	23.53	40.00	-16.47	QP			
2		176.4700	40.94	-16.69	24.25	43.50	-19.25	QP			
3		234.6700	43.24	-13.21	30.03	46.00	-15.97	QP			
4	*	278.3200	48.05	-11.88	36.17	46.00	-9.83	QP			
5		400.5400	39.87	-8.66	31.21	46.00	-14.79	QP			
6		598.4200	35.19	-3.82	31.37	46.00	-14.63	QP			

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

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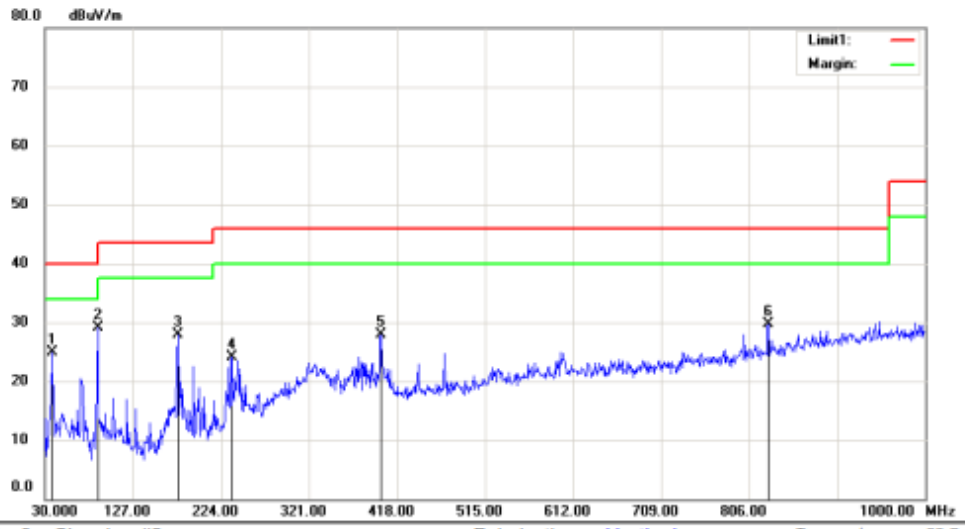
File :TUV Data :#792 Date: 2017-7-3



Site 3m Chamber #2
Limit: (RE)FCC PART 15 C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5200
Note:

Polarization: *Vertical*
Power: AC 120V/60Hz

Temperature: 22 C
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	39.77	-14.93	24.84	40.00	-15.16	QP			
2	*	88.2000	46.58	-17.52	29.06	43.50	-14.44	QP			
3		176.4700	44.52	-16.69	27.83	43.50	-15.67	QP			
4		236.6100	37.18	-13.13	24.05	46.00	-21.95	QP			
5		400.5400	36.63	-8.66	27.97	46.00	-18.03	QP			
6		827.3400	30.00	-0.21	29.79	46.00	-16.21	QP			

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

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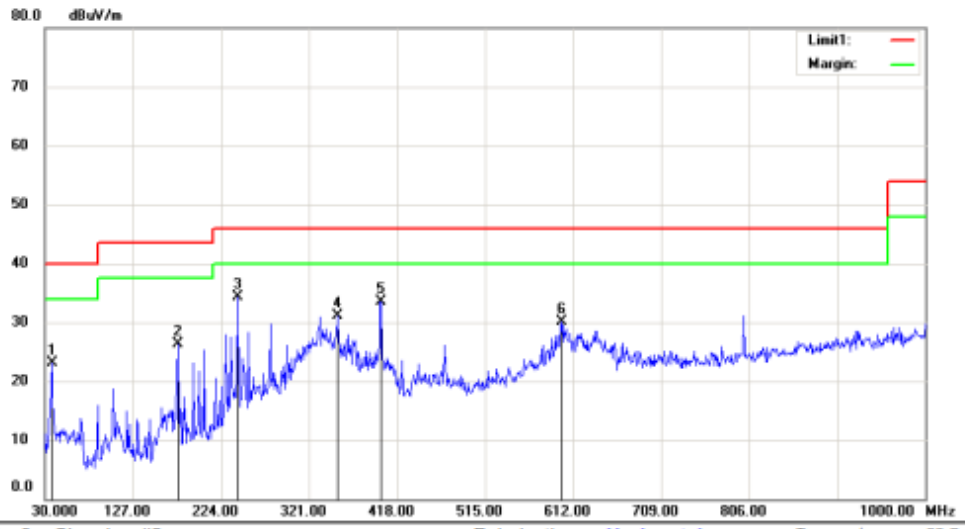
File :TUV Data :#794 Date: 2017-7-3



Site 3m Chamber #2
Limit: (RE)FCC PART 15 C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5240
Note:

Polarization: *Horizontal*
Power: AC 120V/60Hz

Temperature: 22 C
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	38.01	-14.93	23.08	40.00	-16.92	QP			
2		176.4700	42.96	-16.69	26.27	43.50	-17.23	QP			
3	*	242.4300	47.14	-12.93	34.21	46.00	-11.79	QP			
4		352.0400	40.64	-9.53	31.11	46.00	-14.89	QP			
5		400.5400	42.21	-8.66	33.55	46.00	-12.45	QP			
6		599.3900	33.86	-3.79	30.07	46.00	-15.93	QP			

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

File :TUV\Data :#794 *Page: 1*

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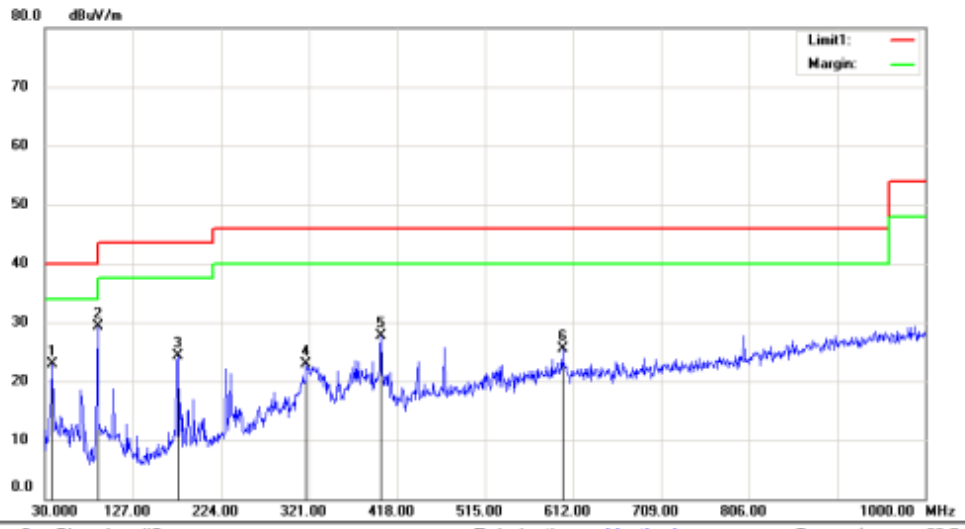
Radiated Emission Measurement

File :TUV Data :#795 Date: 2017-7-3



Site 3m Chamber #2 Polarization: *Vertical* Temperature: 22 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5240
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	37.91	-14.93	22.98	40.00	-17.02	QP			
2	*	88.2000	46.90	-17.52	29.38	43.50	-14.12	QP			
3		176.4700	40.97	-16.69	24.28	43.50	-19.22	QP			
4		318.0900	33.62	-10.78	22.84	46.00	-23.16	QP			
5		400.5400	36.29	-8.66	27.63	46.00	-18.37	QP			
6		600.3600	29.22	-3.78	25.44	46.00	-20.56	QP			

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

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Radiated Emission Measurement

File :TUV Data :#797 Date: 2017-7-3

Site 3m Chamber #2 Polarization: *Horizontal* Temperature: 22 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5745
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	37.86	-14.93	22.93	40.00	-17.07	QP			
2		105.6600	38.75	-14.96	23.79	43.50	-19.71	QP			
3		176.4700	46.09	-16.69	29.40	43.50	-14.10	QP			
4		254.0700	46.04	-12.68	33.36	46.00	-12.64	QP			
5		353.0100	41.85	-9.50	32.35	46.00	-13.65	QP			
6	*	400.5400	45.79	-8.66	37.13	46.00	-8.87	QP			

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

File :TUV\Data :#797 *Page: 1*

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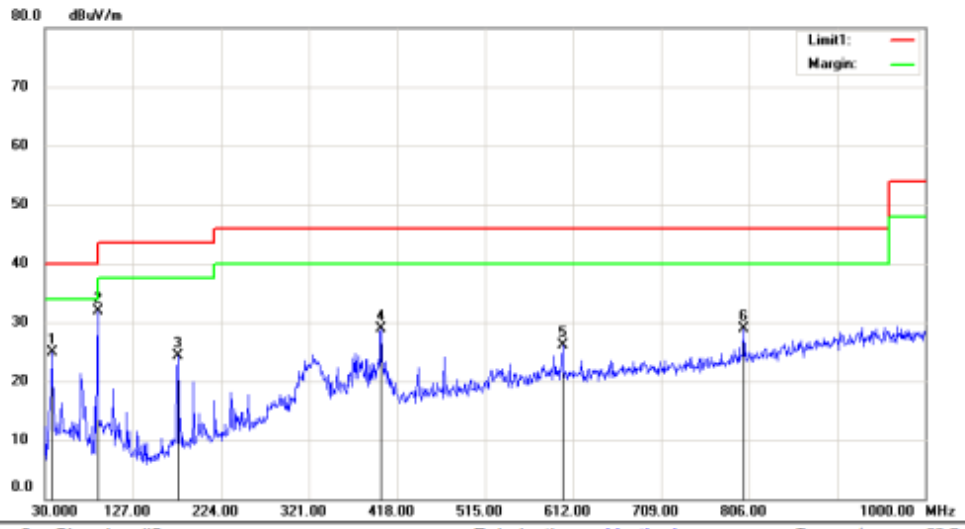
Radiated Emission Measurement

File :TUV Data :#796 Date: 2017-7-3



Site 3m Chamber #2 Polarization: *Vertical* Temperature: 22 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5745
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	39.78	-14.93	24.85	40.00	-15.15	QP			
2	*	88.2000	49.43	-17.52	31.91	43.50	-11.59	QP			
3		176.4700	40.99	-16.69	24.30	43.50	-19.20	QP			
4		400.5400	37.57	-8.66	28.91	46.00	-17.09	QP			
5		600.3600	29.89	-3.78	26.11	46.00	-19.89	QP			
6		800.1800	29.59	-0.74	28.85	46.00	-17.15	QP			

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

File :TUV\Data :#796 *Page: 1*

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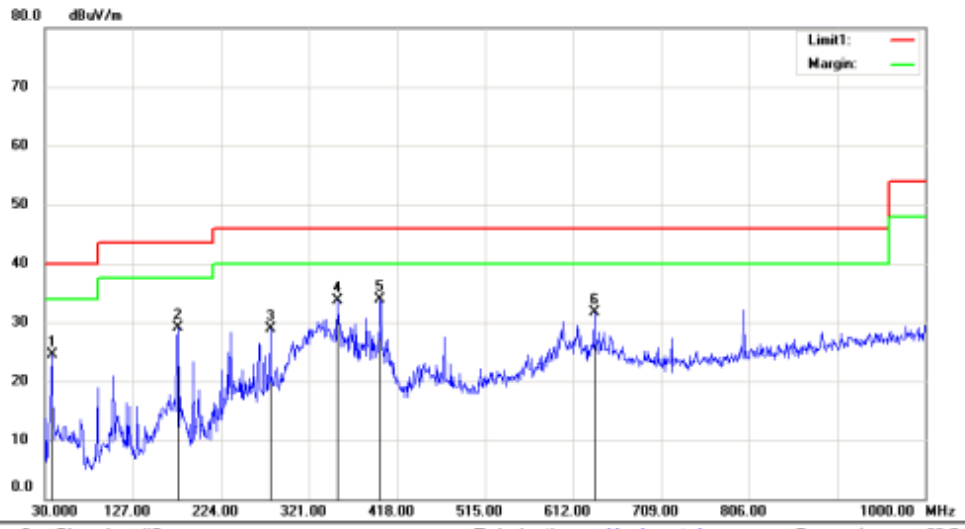
Radiated Emission Measurement

File :TUV Data :#795 Date: 2017-7-3



Site 3m Chamber #2
Limit: (RE)FCC PART 15 C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5785
Note:

Polarization: *Horizontal*
Power: AC 120V/60Hz

Temperature: 22 C
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	39.38	-14.93	24.45	40.00	-15.55	QP			
2		176.4700	45.78	-16.69	29.09	43.50	-14.41	QP			
3		278.3200	40.75	-11.88	28.87	46.00	-17.13	QP			
4		352.0400	43.15	-9.53	33.62	46.00	-12.38	QP			
5	*	399.5700	42.57	-8.68	33.89	46.00	-12.11	QP			
6		635.2800	35.00	-3.30	31.70	46.00	-14.30	QP			

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

File :TUV\Data :#798 *Page: 1*

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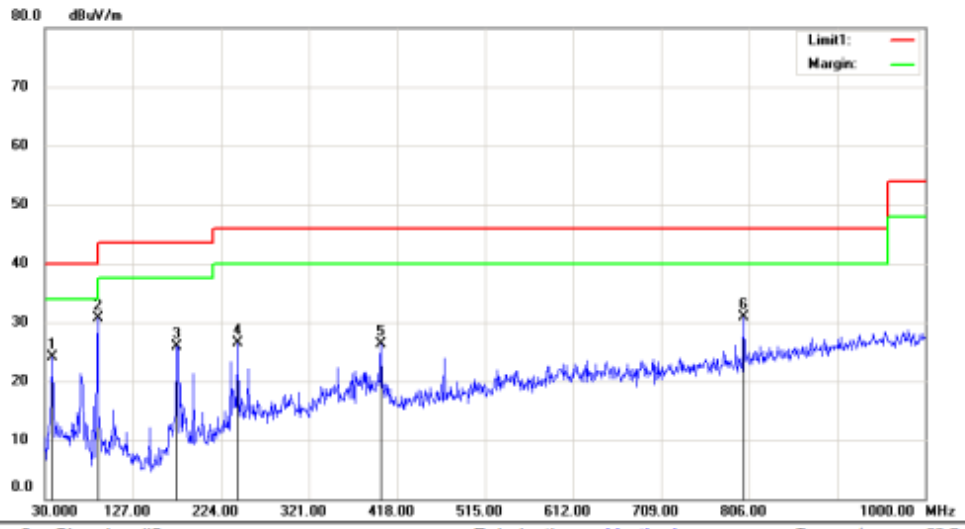
Radiated Emission Measurement

File :TUV Data :#799 Date: 2017-7-3



Site 3m Chamber #2 Polarization: *Vertical* Temperature: 22 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5785
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	39.09	-14.93	24.16	40.00	-15.84	QP			
2	*	88.2000	48.24	-17.52	30.72	43.50	-12.78	QP			
3		175.5000	42.71	-16.76	25.95	43.50	-17.55	QP			
4		242.4300	39.42	-12.93	26.49	46.00	-19.51	QP			
5		400.5400	34.98	-8.66	26.32	46.00	-19.68	QP			
6		800.1800	31.68	-0.74	30.94	46.00	-15.06	QP			

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

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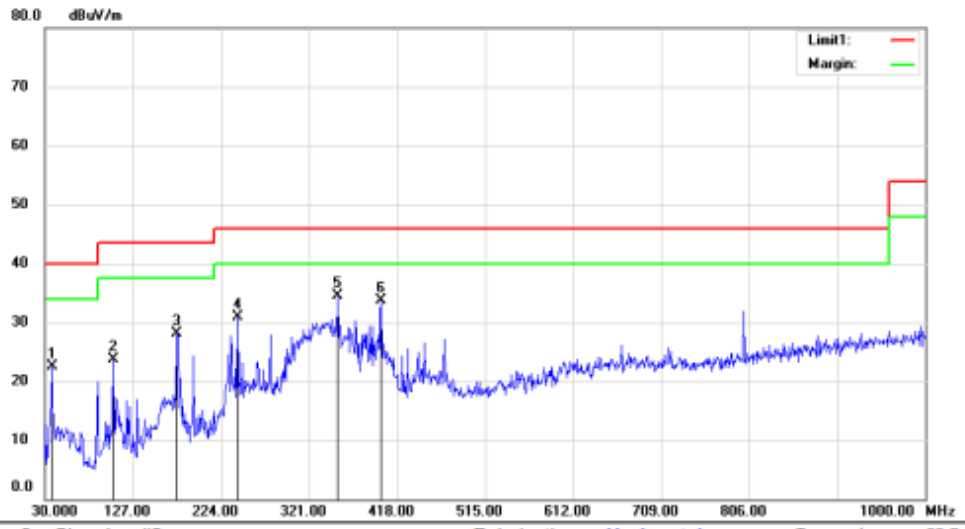
Radiated Emission Measurement

File :TUV Data :#501 Date: 2017-7-3



Site 3m Chamber #2
Limit: (RE)FCC PART 15 C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5825
Note:

Polarization: *Horizontal*
Power: AC 120V/60Hz

Temperature: 22 C
Humidity: 55 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	37.36	-14.93	22.43	40.00	-17.57	QP			
2		105.6600	38.71	-14.96	23.75	43.50	-19.75	QP			
3		175.5000	44.78	-16.76	28.02	43.50	-15.48	QP			
4		242.4300	43.81	-12.93	30.88	46.00	-15.12	QP			
5	*	353.0100	43.99	-9.50	34.49	46.00	-11.51	QP			
6		400.5400	42.31	-8.66	33.65	46.00	-12.35	QP			

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

File :TUV\Data :#801 *Page: 1*

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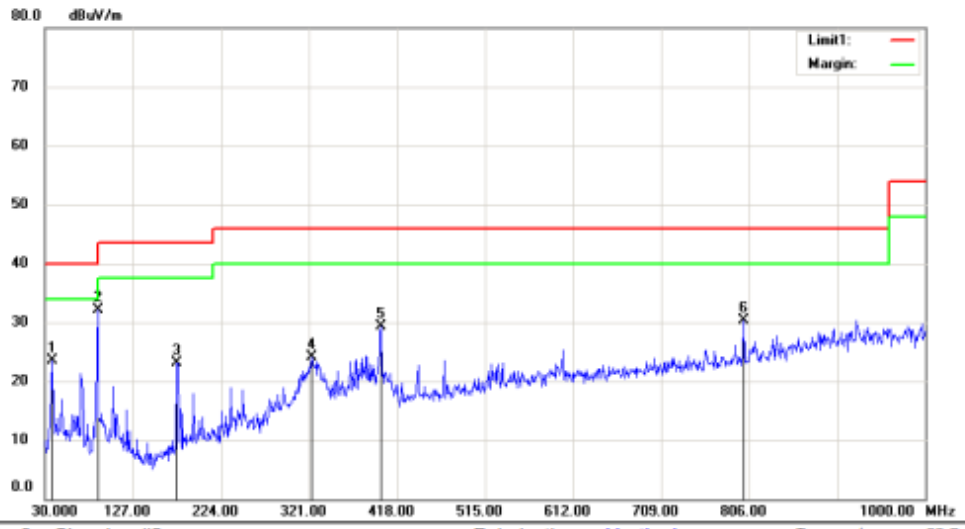
Radiated Emission Measurement

File :TUV Data :#500 Date: 2017-7-3



Site 3m Chamber #2 Polarization: *Vertical* Temperature: 22 C
Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 55 %
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:WIFI 5G 802.11a 5825
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		37.7600	38.43	-14.93	23.50	40.00	-16.50	QP			
2	*	88.2000	49.55	-17.52	32.03	43.50	-11.47	QP			
3		175.5000	39.84	-16.76	23.08	43.50	-20.42	QP			
4		323.9100	34.59	-10.55	24.04	46.00	-21.96	QP			
5		400.5400	37.87	-8.66	29.21	46.00	-16.79	QP			
6		800.1800	31.08	-0.74	30.34	46.00	-15.66	QP			

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

File :TUV\Data :#800 *Page: 1*

1.2 Transmitter Spurious Emissions, 1GHz - 18GHz

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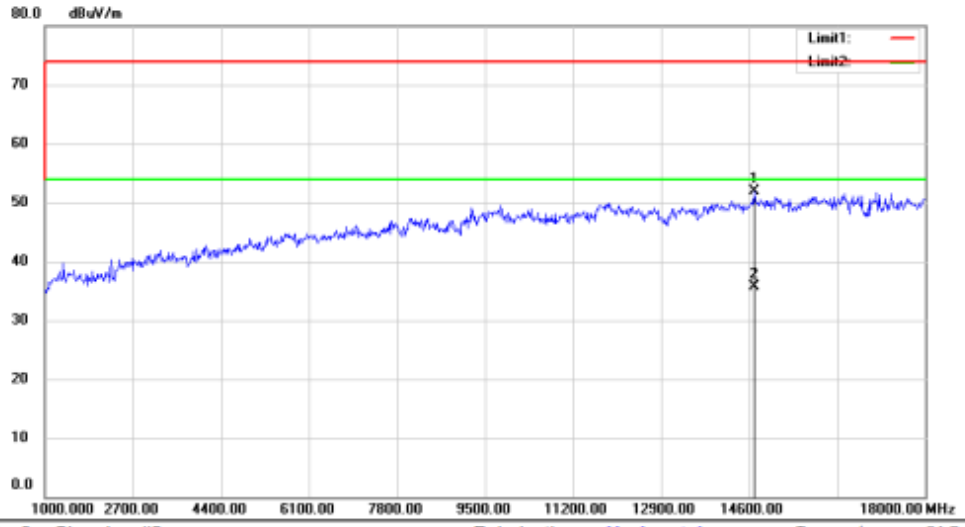
Radiated Emission Measurement

File :TUV Data :#1061 Date: Time:



Site 3m Chamber #2
Limit: (RE)FCC PART 15C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:11a 5180
Note:

Polarization: *Horizontal*
Power: AC 120V/60Hz

Temperature: 24 C
Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		14702.00	60.88	-9.06	51.82	74.00	-22.18	peak			
2	*	14702.00	44.86	-9.06	35.80	54.00	-18.20	AVG			

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

File :TUV\Data :#1061 *Page: 1*

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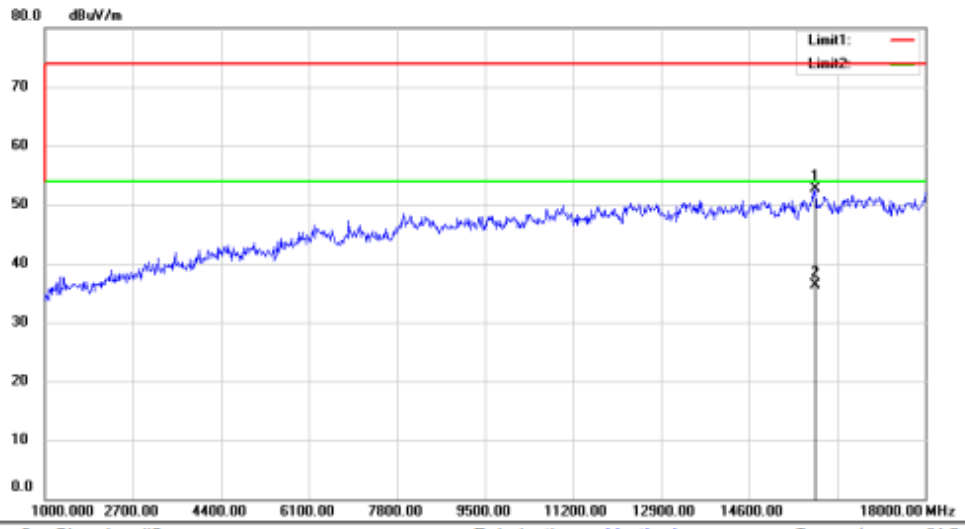
Radiated Emission Measurement

File :TUV Data :#1060 Date: Time:



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-P10W8100
Mode:11a 5180
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		15875.00	65.01	-12.35	52.66	74.00	-21.34	peak			
2	*	15875.00	48.65	-12.35	36.30	54.00	-17.70	AVG			

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

File :TUV\Data :#1060 *Page: 1*

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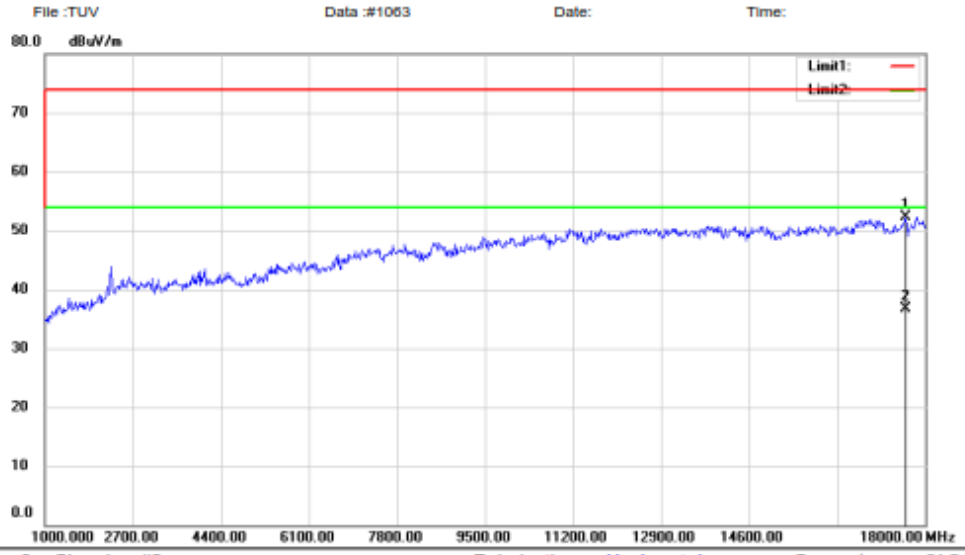
Radiated Emission Measurement



Site 3m Chamber #2
Limit: (RE)FCC PART 15C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:11a 5200
Note:

Polarization: *Horizontal*
Power: AC 120V/60Hz

Temperature: 24 C
Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17626.00	54.00	-1.64	52.36	74.00	-21.64	peak			
2	*	17626.00	38.44	-1.64	36.80	54.00	-17.20	AVG			

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

Operator: KK

File :TUV\Data :#1063 *Page: 1*

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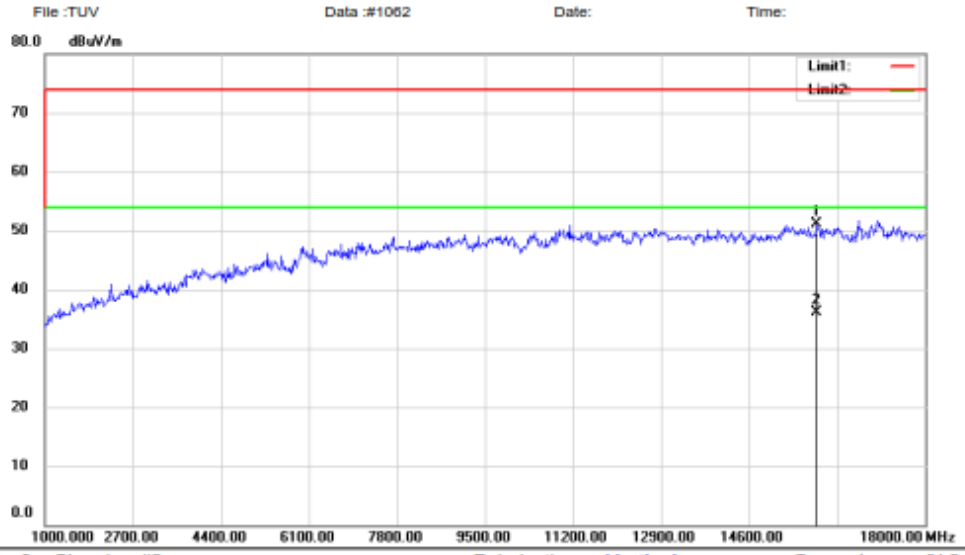
Radiated Emission Measurement



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-P10W8100
Mode:11a 5200
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		15909.00	63.57	-12.46	51.11	74.00	-22.89	peak			
2	*	15909.00	48.56	-12.46	36.10	54.00	-17.90	AVG			

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

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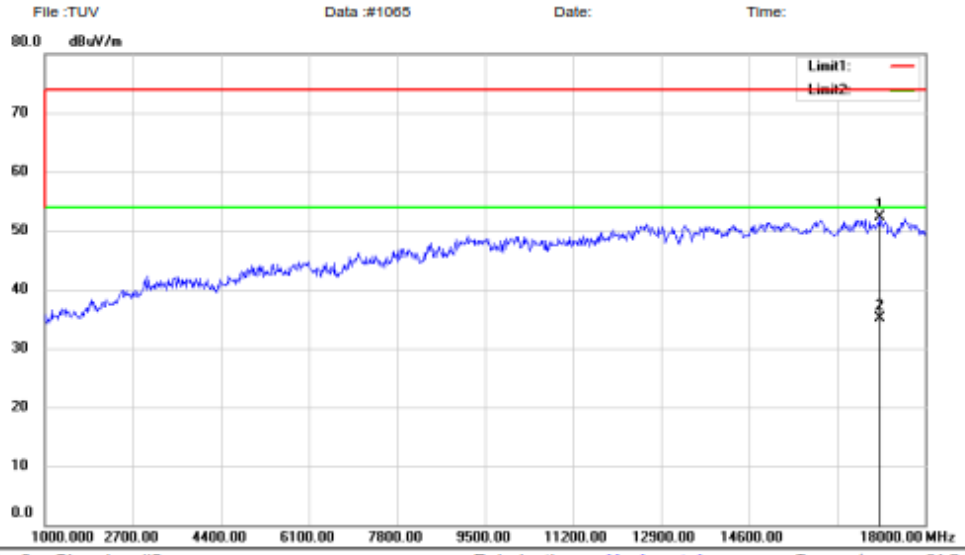
Radiated Emission Measurement



Site 3m Chamber #2
Limit: (RE)FCC PART 15C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:11a 5240
Note:

Polarization: *Horizontal*
Power: AC 120V/60Hz

Temperature: 24 C
Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17116.00	60.15	-7.84	52.31	74.00	-21.69	peak			
2	*	17116.00	43.04	-7.84	35.20	54.00	-18.80	AVG			

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

Operator: KK

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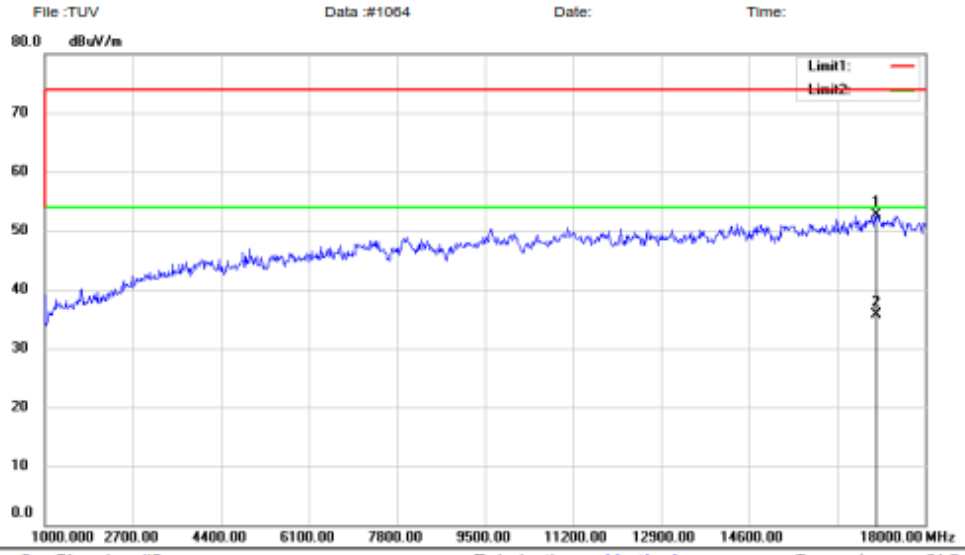
Radiated Emission Measurement



Site 3m Chamber #2
Limit: (RE)FCC PART 15C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:11a 5240
Note:

Polarization: *Vertical*
Power: AC 120V/60Hz

Temperature: 24 C
Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		17065.00	61.13	-8.46	52.67	74.00	-21.33	peak			
2	*	17065.00	44.16	-8.46	35.70	54.00	-18.30	AVG			

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

Operator: KK

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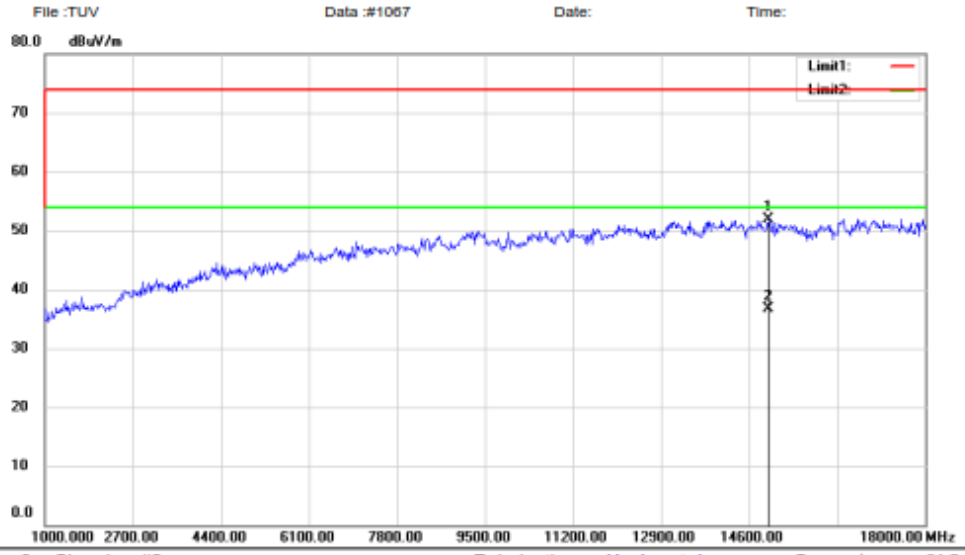
Radiated Emission Measurement



Site 3m Chamber #2
Limit: (RE)FCC PART 15C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:11a 5745
Note:

Polarization: *Horizontal*
Power: AC 120V/60Hz

Temperature: 24 C
Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		14974.00	61.46	-9.55	51.91	74.00	-22.09	peak			
2	*	14974.00	46.35	-9.55	36.80	54.00	-17.20	AVG			

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

Operator: KK

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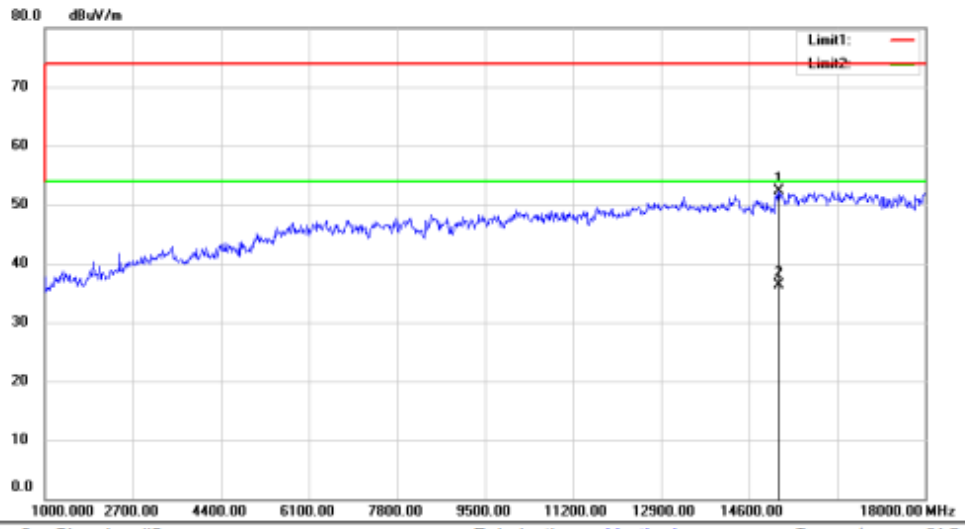
Radiated Emission Measurement

File :TUV Data :#1066 Date: Time:



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-P10W8100
Mode:11a 5745
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		15178.00	62.46	-10.15	52.31	74.00	-21.69	peak			
2	*	15178.00	46.45	-10.15	36.30	54.00	-17.70	AVG			

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

File :TUV\Data :#1066 *Page: 1*

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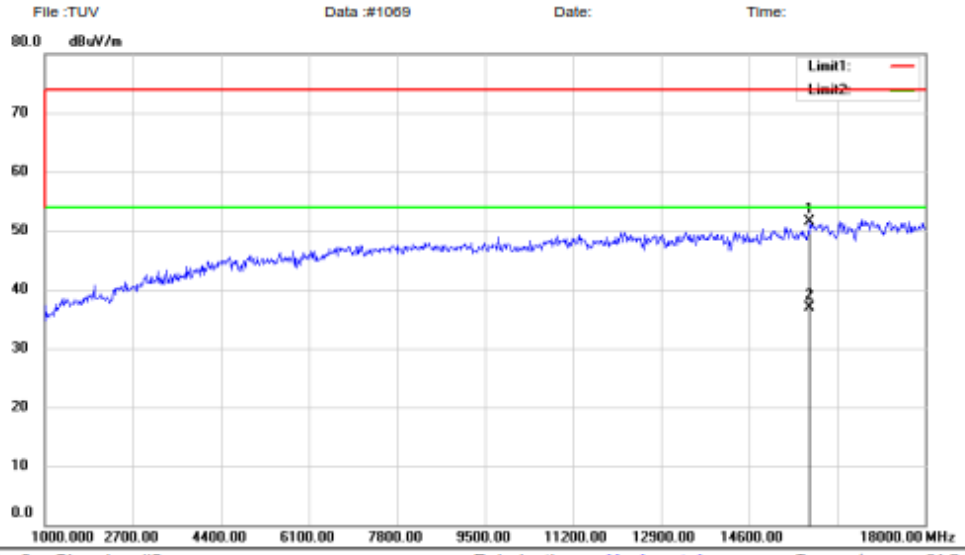
Radiated Emission Measurement



Site 3m Chamber #2
Limit: (RE)FCC PART 15C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:11a 5785
Note:

Polarization: *Horizontal*
Power: AC 120V/60Hz

Temperature: 24 C
Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		15773.00	63.53	-12.04	51.49	74.00	-22.51	peak			
2	*	15773.00	48.94	-12.04	36.90	54.00	-17.10	AVG			

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

Operator: KK

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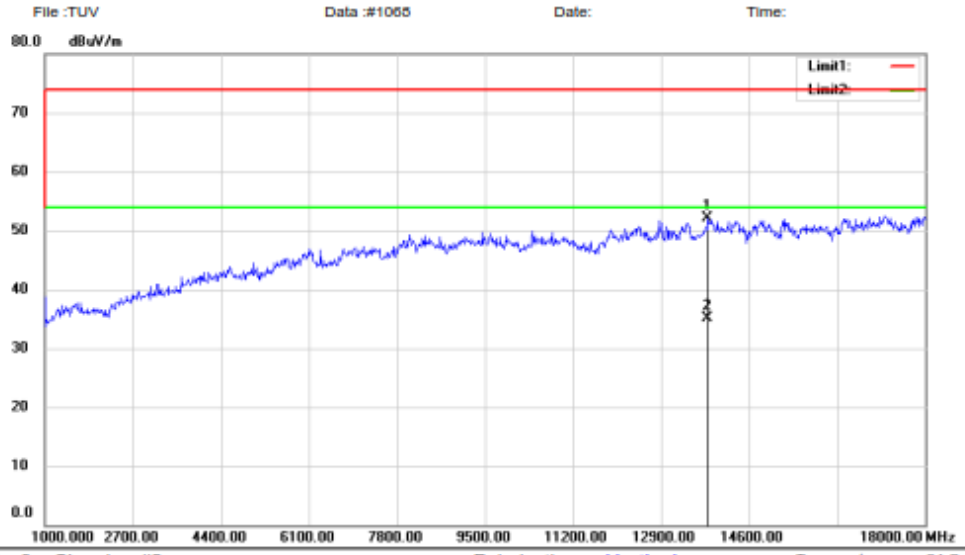
Radiated Emission Measurement



Site 3m Chamber #2
Limit: (RE)FCC PART 15C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:11a 5785
Note:

Polarization: *Vertical*
Power: AC 120V/60Hz

Temperature: 24 C
Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		13801.00	60.85	-8.80	52.05	74.00	-21.95	peak			
2	*	13801.00	44.00	-8.80	35.20	54.00	-18.80	AVG			

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

Operator: KK

File :TUV\Data :#1068 *Page: 1*

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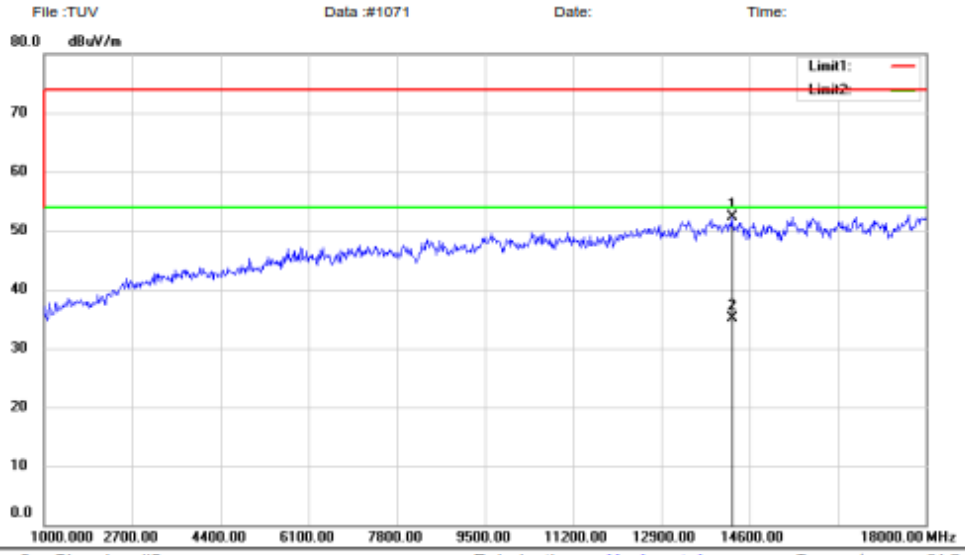
Radiated Emission Measurement



Site 3m Chamber #2
Limit: (RE)FCC PART 15C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:11a 5825
Note:

Polarization: *Horizontal*
Power: AC 120V/60Hz

Temperature: 24 C
Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		14260.00	60.67	-8.28	52.39	74.00	-21.61	peak			
2	*	14260.00	43.48	-8.28	35.20	54.00	-18.80	AVG			

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

Operator: KK

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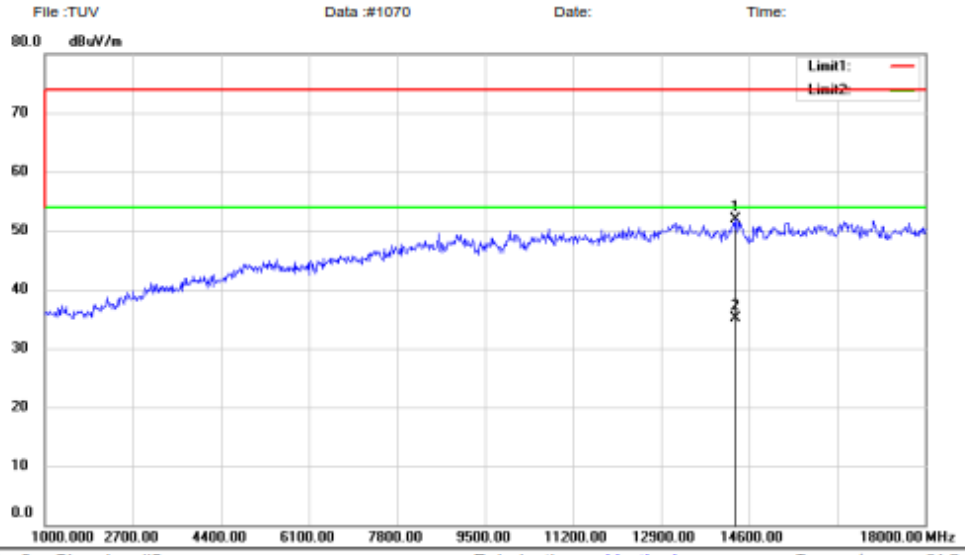
Radiated Emission Measurement



Site 3m Chamber #2
Limit: (RE)FCC PART 15C
EUT: Insignia Flex Android 10" Tablet
M/N: NS-P10W8100
Mode:11a 5825
Note:

Polarization: *Vertical*
Power: AC 120V/60Hz

Temperature: 24 C
Humidity: 53 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1		14328.00	60.33	-8.40	51.93	74.00	-22.07	peak			
2	*	14328.00	43.50	-8.40	35.10	54.00	-18.90	AVG			

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

Operator: KK

1.3 Restricted Bands

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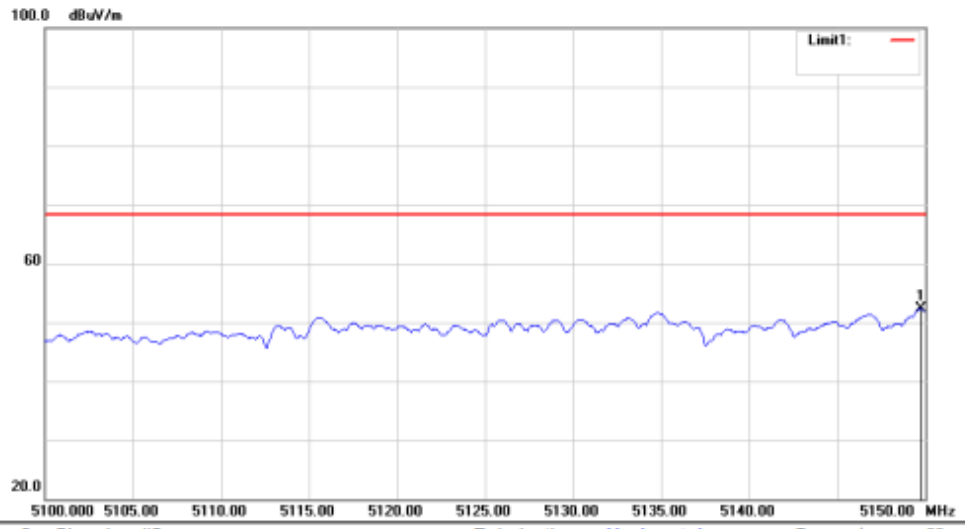
Radiated Emission Measurement

File :TUV Data :#3556 Date: 2016-12-20



Site 3m Chamber #2 Polarization: *Horizontal* Temperature: 22
Limit: (RE)FCC PART 15C (Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %
EUT: Windows10
M/N: NX16A10132S
Mode:11a 5180
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5149.750	59.49	-7.15	52.34	68.23	-15.89	peak		0	

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

File :TUV\Data :#3556 *Page: 1*

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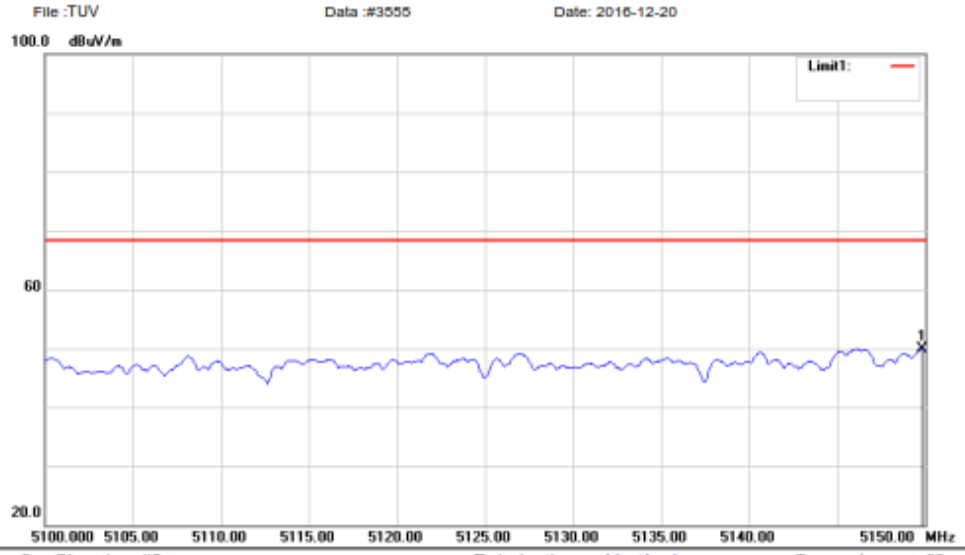
Radiated Emission Measurement



Site 3m Chamber #2 Polarization: *Vertical* Temperature: 22
Limit: (RE)FCC PART 15C (Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %
EUT: Windows10
M/N: NX16A10132S
Mode:11a 5180
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5149.850	57.08	-7.15	49.93	68.23	-18.30	peak		0	

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

File :TUV\Data :#3555 *Page: 1*

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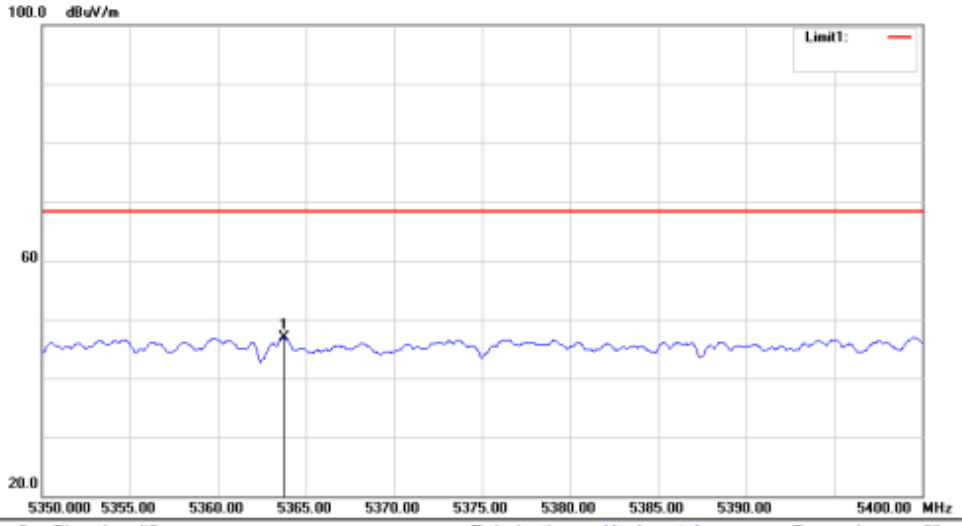
Radiated Emission Measurement

File :TUV Data :#3558 Date: 2016-12-20



Site 3m Chamber #2 Polarization: *Horizontal* Temperature: 22
Limit: (RE)FCC PART 15C (Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %
EUT: Windows10
M/N: NX16A10132S
Mode:11a 5240
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5363.750	53.20	-6.35	46.85	68.23	-21.38	peak		0	

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

File :TUV\Data :#3558 *Page: 1*

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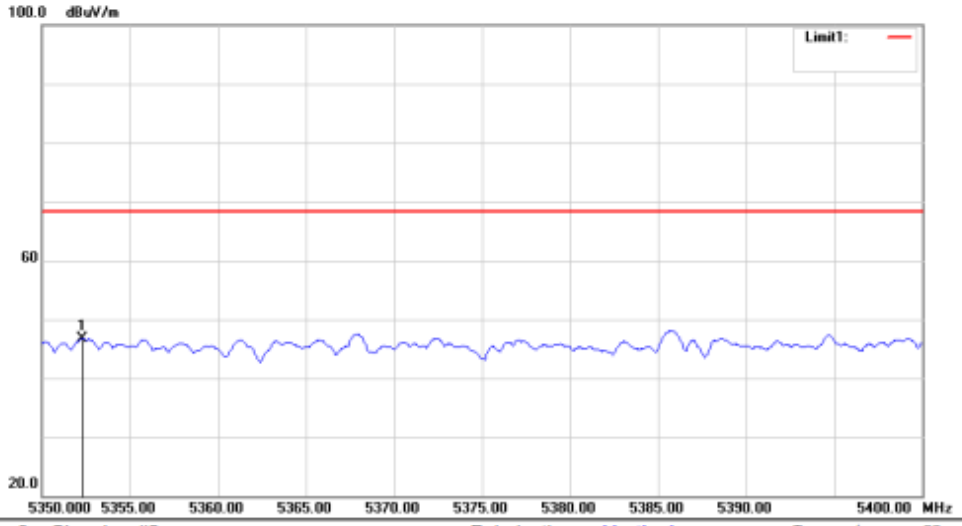
Radiated Emission Measurement

File :TUV Data :#3557 Date: 2016-12-20



Site 3m Chamber #2 Polarization: *Vertical* Temperature: 22
Limit: (RE)FCC PART 15C (Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %
EUT: Windows10
M/N: NX16A10132S
Mode:11a 5240
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5352.300	53.16	-6.39	46.77	68.23	-21.46	peak		0	

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

File :TUV\Data :#3557 *Page: 1*

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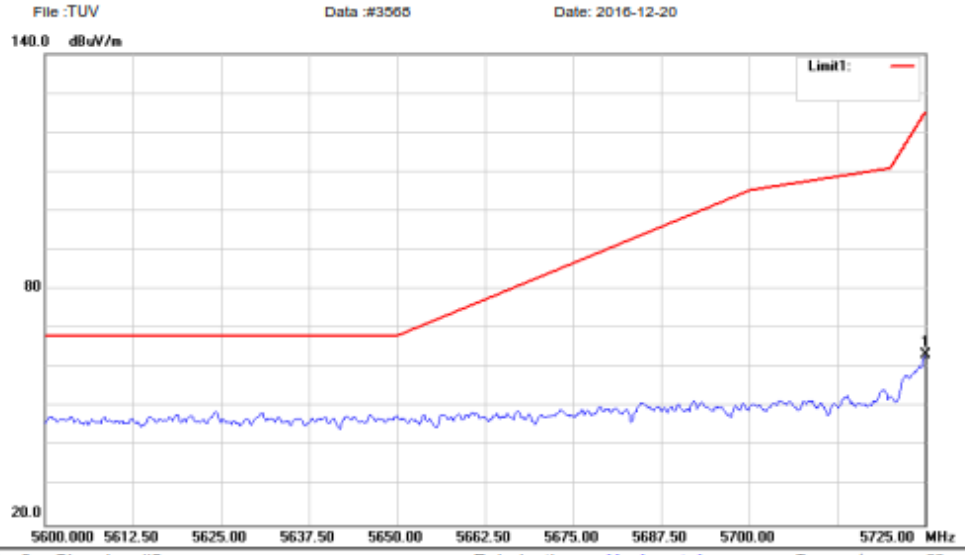
Radiated Emission Measurement



Site 3m Chamber #2 Polarization: *Horizontal* Temperature: 22
Limit: (RE)FCC PART 15C B4 (Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %
EUT: Windows10
M/N: NX16A10132S
Mode:11a 5745
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5725.000	68.34	-4.97	63.37	125.23	-61.86	peak		0	

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

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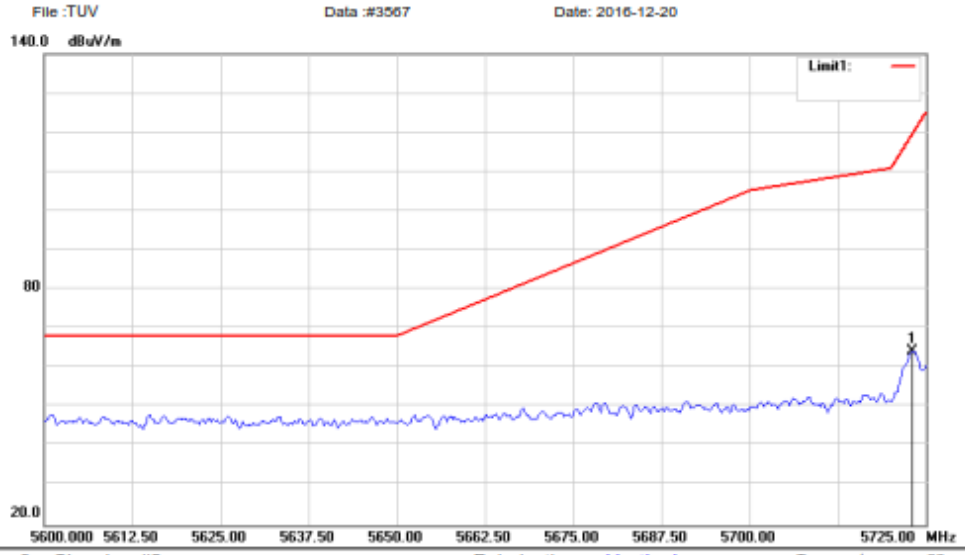
Radiated Emission Measurement



Site 3m Chamber #2 Polarization: *Vertical* Temperature: 22
Limit: (RE)FCC PART 15C B4 (Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %
EUT: Windows10
M/N: NX16A10132S
Mode:11a 5745
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5723.125	69.39	-5.00	64.39	119.83	-55.44	peak		0	

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

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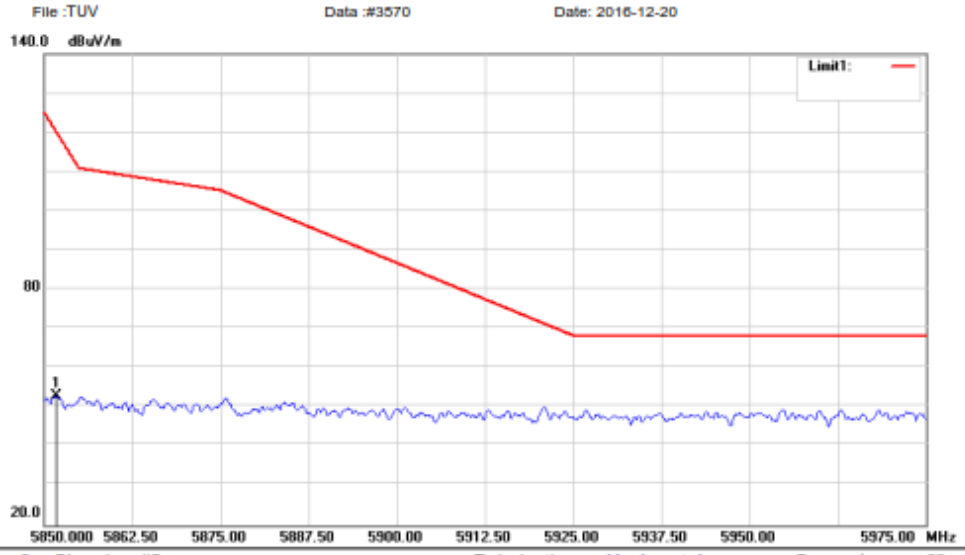
Radiated Emission Measurement



Site 3m Chamber #2 Polarization: *Horizontal* Temperature: 22
Limit: (RE)FCC PART 15C B4 (Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %
EUT: Windows10
M/N: NX16A10132S
Mode:11a 5825
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5851.750	57.25	-4.51	52.74	120.19	-67.45	peak		0	

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

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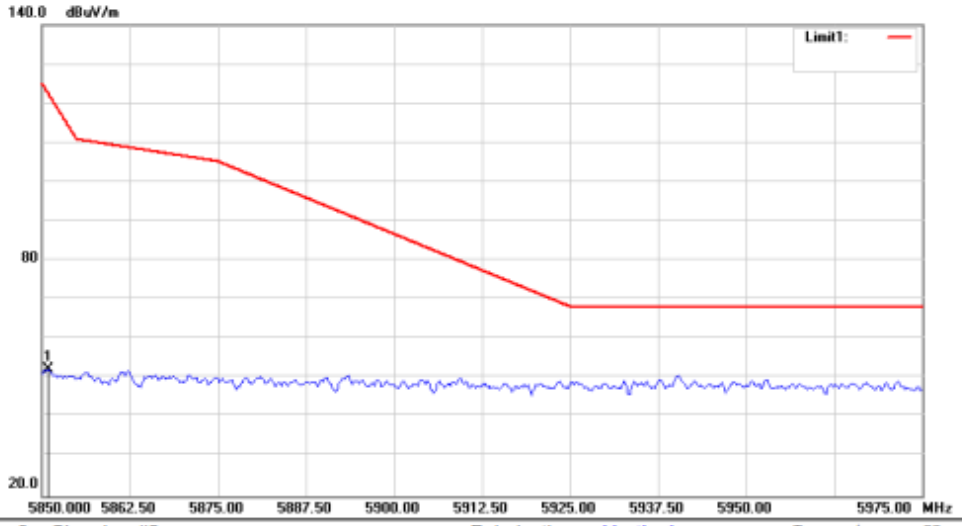
Radiated Emission Measurement

File :TUV Data :#3569 Date: 2016-12-20



Site 3m Chamber #2 Polarization: *Vertical* Temperature: 22
Limit: (RE)FCC PART 15C B4 (Bandedge) Peak Power: AC 120V/60Hz Humidity: 55 %
EUT: Windows10
M/N: NX16A10132S
Mode:11a 5825
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	5850.875	56.74	-4.51	52.23	122.71	-70.48	peak		0	

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