Prüfbericht-Nr.: *Test Report No.:*	**17049474 005**	**Auftrags-Nr.:** *Order No.:*	164035067	Seite 1 von 40 *Page 1 of 40*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date:*	28.04.2015	
Auftraggeber: *Client:*	Lightcomm Technology Co., Ltd. RM1708-10, 17/F, PROSPERITY CENTRE, 25 CHONG YIP STREET, KWUN TONG, HONG KONG			
Prüfgegenstand: *Test item:*	7.85" Android HD Tablet			
Bezeichnung / Typ-Nr.: *Identification / Type No.:*	NS-P16AT785HD, MID7802-RA			
Auftrags-Inhalt: *Order content:*	FCC Certification			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109			
Wareneingangsdatum: *Date of receipt:*	28.04.2015			
Prüfmuster-Nr.: *Test sample No.:*	A000212113-004			
Prüfzeitraum: *Testing period:*	28.04.2015 - 20.06.2015			
Ort der Prüfung: *Place of testing:*	Shenzhen EMTEK Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			

geprüft von / *tested by:*			**kontrolliert von** / *reviewed by:*		
25.06.2015	Lin Lin/Project Manager		25.06.2015	Sam Lin/Technical Certicier	
Datum *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name / Stellung** *Name / Position*	**Unterschrift** *Signature*

Sonstiges / *Other:* FCC ID: XMF-MID7802

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

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

V04

TEST SUMMARY

5.1.1 CONDUCTED EMISSIONS

RESULT: Pass

5.2.1 RADIATED EMISSION

RESULT: Pass

CONTENTS

1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Shenzhen Emtek Co., Ltd.

(FCC Registration No.: 709623)
Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, 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

For Power Line Conducted Emission

Equ.No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EE144	Test Receiver	Rohde & Schwarz	ESCI	26115-010-0027	May 16, 2015	1 Year
EE145	L.I.S.N.	Rohde & Schwarz	ENV216	101161	May 17, 2015	1 Year
EE041	50Ω Coaxial Switch	Anritsu	MP59B	6100175589	May 17, 2015	1 Year
EE212	Voltage Probe	Rohde & Schwarz	ESH2-Z3	100122	May 17, 2015	1 Year

For 3m Radiated Emission Measurement 30M-1G

Equ.No	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EE089	EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	May 17, 2015	1 Year
EE040	Pre-Amplifier	HP	8447F	2944A07999	May 17, 2015	1 Year
EE043	Bilog Antenna	Schwarzbeck	VULB9163	142	May 29, 2015	1 Year
EE147	Cable	Schwarzbeck	AK9513	ACRX1	May 17, 2015	1 Year
EE169	Cable	Rosenberger	N/A	FP2RX2	May 17, 2015	1 Year
EE168	Cable	Schwarzbeck	AK9513	CRPX1	May 29, 2015	1 Year
EE170	Cable	Schwarzbeck	AK9513	CRRX2	May 29, 2015	1 Year

For 3m Radiated Emission Measurement 1G-18G

Equ.No	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EE089	EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	May 17, 2015	1 Year
EE096	Pre-Amplifier	A.H.	PAM-0126	1415261	May 17, 2015	1 Year
EE094	Horn Antenna	Schwarzbeck	BBHA 9120	707	May 29, 2015	1 Year
EE097	Cable	H+B	0.5M SF104-26.5	289147/4	May 29, 2015	1 Year
EE100	Cable	H+B	3M SF104-26.5	295838/4	May 29, 2015	1 Year
EE101	Cable	H+B	6M SF104-26.5	295840/4	May 29, 2015	1 Year

For 3m Radiated Emission Measurement 18G-26.5G

Equ.No	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
EE089	EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	May 17, 2015	1 Year
EE096	Pre-Amplifier	A.H.	PAM-0126	1415261	May 17, 2015	1 Year
	Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170399	May 17, 2015	1 Year
EE097	Cable	H+B	0.5M SF104-26.5	289147/4	May 17, 2015	1 Year
EE100	Cable	H+B	3M SF104-26.5	295838/4	May 17, 2015	1 Year
EE101	Cable	H+B	6M SF104-26.5	295840/4	May 17, 2015	1 Year

2.3 Traceability

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

2.4 Calibration

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

2.5 Measurement Uncertainty

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

Table 2: Measurement Uncertainty

Items		Extended Uncertainty
Conducted Emission (0.15 - 30MHz)	Disturbance Voltage (dBuV)	U=±2.90dB, k=2, σ=95%
Radiated Emission (30 - 1000MHz)	Field strength (dBuV/m)	U=±4.27dB, k=2, σ=95%
Radiated Emission (1 - 26.5GHz)	Field strength (dBuV/m)	U=±4.46dB, k=2, σ=95%

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

Shenzhen EMTEK Co., Ltd. test facility located at Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, 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

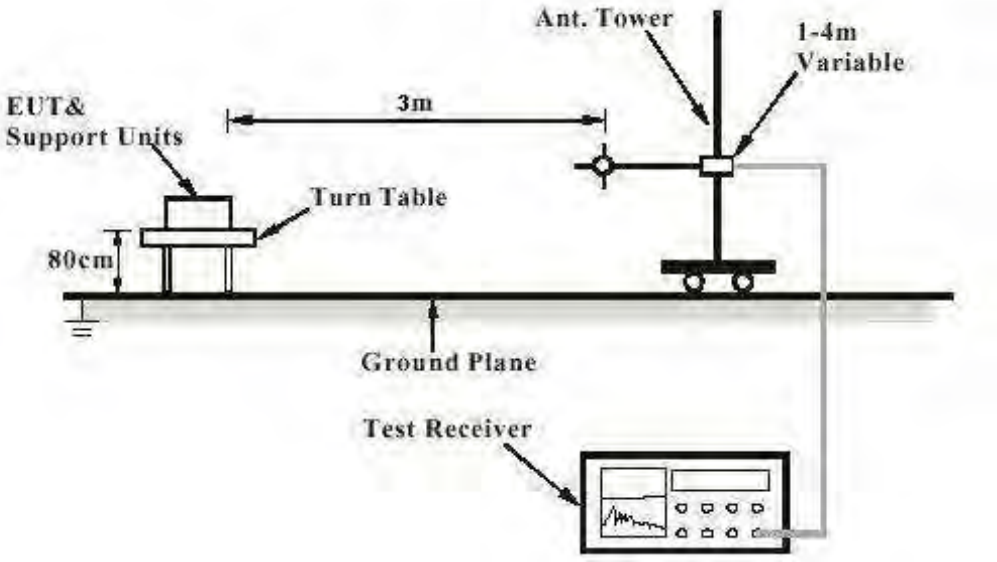
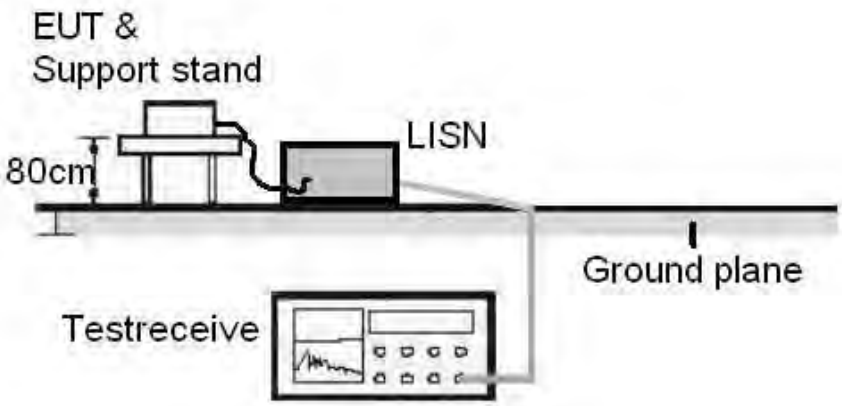


Diagram of Measurement Equipment Configuration for Conduction Measurement



3. General Product Information

3.1 Product Function and Intended Use

The EUTs are 7.85'' tablet with Wi-Fi, Bluetooth & GPS function.
Two 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	7.85" Android HD Tablet
Type Designation	NS-P16AT785HD, MID7802-RA
FCC ID	XMF-MID7802
Extreme Temperature Range	-20~+50℃
Operation Voltage	DC 3.7V (via built in battery)
	DC 5V (via AC/DC adapter)

3.3 Independent Operation Modes

The basic operation modes are:

A. On, with charging
   1. Video Record
   2. Video Play
B. Connected to PC
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: 2003.
According to clause 3.1, all tests were applied on model NS-P16AT08 only.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Description	Manufacturer	Part No.	Rating
PC	Lenovo	8701A53L3BC108	100-240Vac, 50/60Hz
Monitor	DELL	CN-OYPJT4-74261-33B-3LP	100-240Vac, 50/60Hz
Mouse	Lenovo	44D2639	USB Operated
Keyboard	Lenovo	41A5039	USB Operated
AC/DC Adapter	TEKA	TEKA012-0502000UK	100-240Vac, 50/60Hz

The EUT was tested with following cables:

Interface(s)/Port(s):	Max. cable length, shielding	Cable classification
USB Cable	Shielding USB cable with ferrite ring	Type B USB cable

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 Conducted Emission

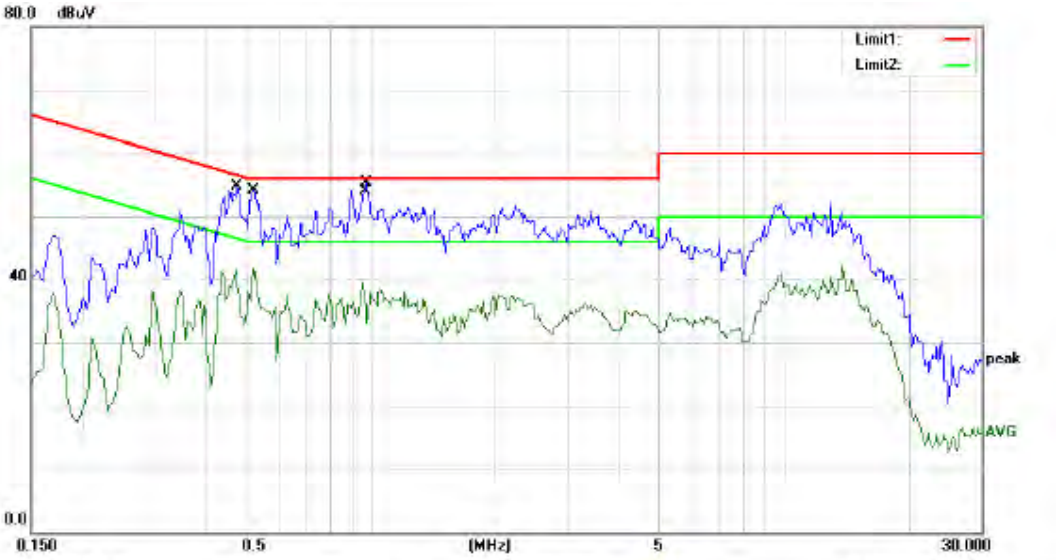
RESULT: **Pass**

Date of testing	:	2015-05-26
Test standard	:	FCC Part 15.107 (a)
Basic standard	:	ANSI C63.4: 2003
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.107(a)
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A, B
Earthing	:	Not Connected
Ambient temperature	:	25℃
Relative humidity	:	52%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

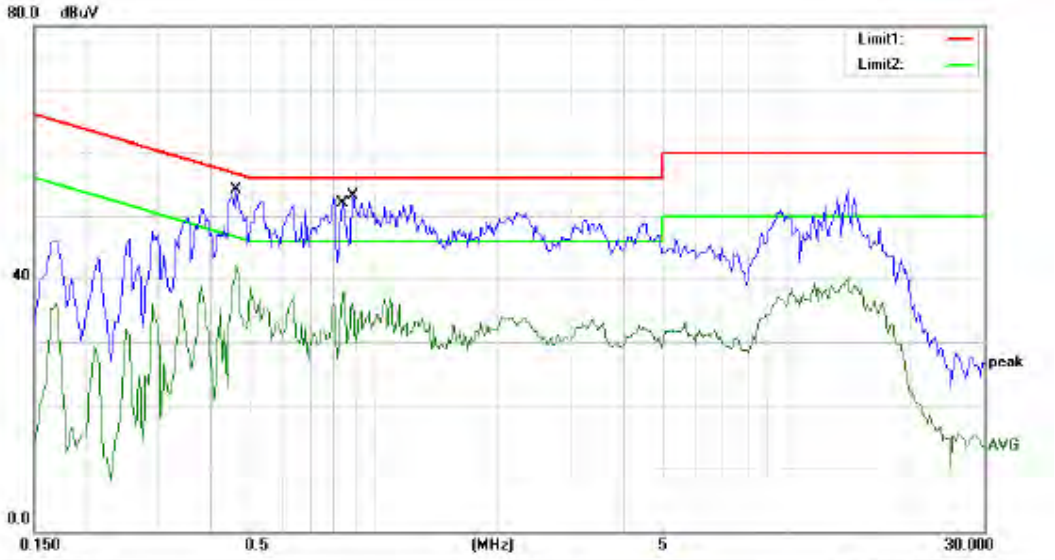


Site Conduction #1
Limit: (CE)FCC PART 15 class B_QP
EUT: Tablet PAD
M/N: NS-P16AT758HD
Mode: Camera Recording
Note:

Phase: *L1*
Power: AC 120V/60Hz

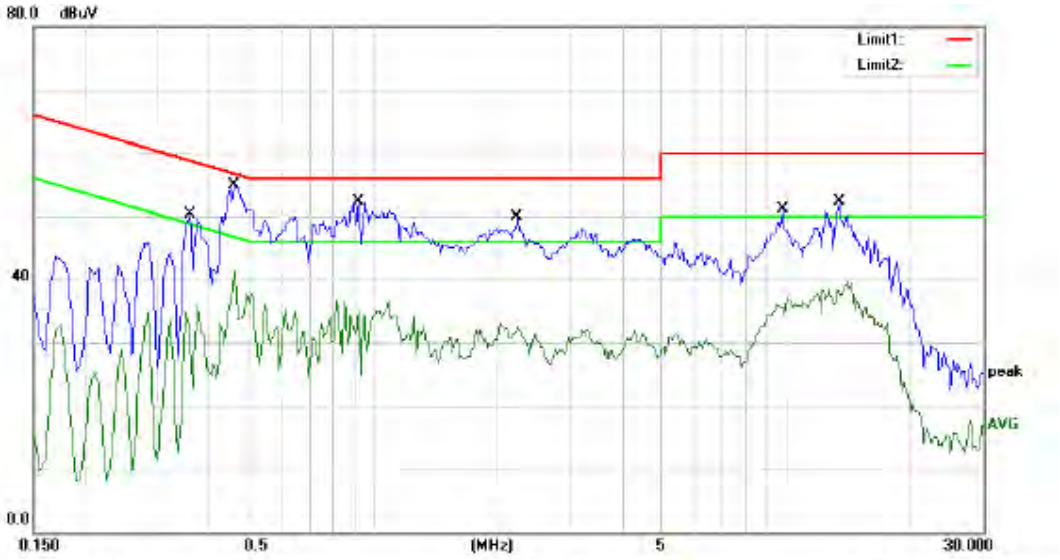
Temperature: 26
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.4700	41.47	0.00	41.47	46.51	-5.04	AVG	
2	*	0.4750	52.20	0.00	52.20	56.43	-4.23	QP	
3		0.5200	51.70	0.00	51.70	56.00	-4.30	QP	
4		0.5200	41.62	0.00	41.62	46.00	-4.38	AVG	
5		0.9500	39.57	0.00	39.57	46.00	-6.43	AVG	
6		0.9700	50.90	0.00	50.90	56.00	-5.10	QP	



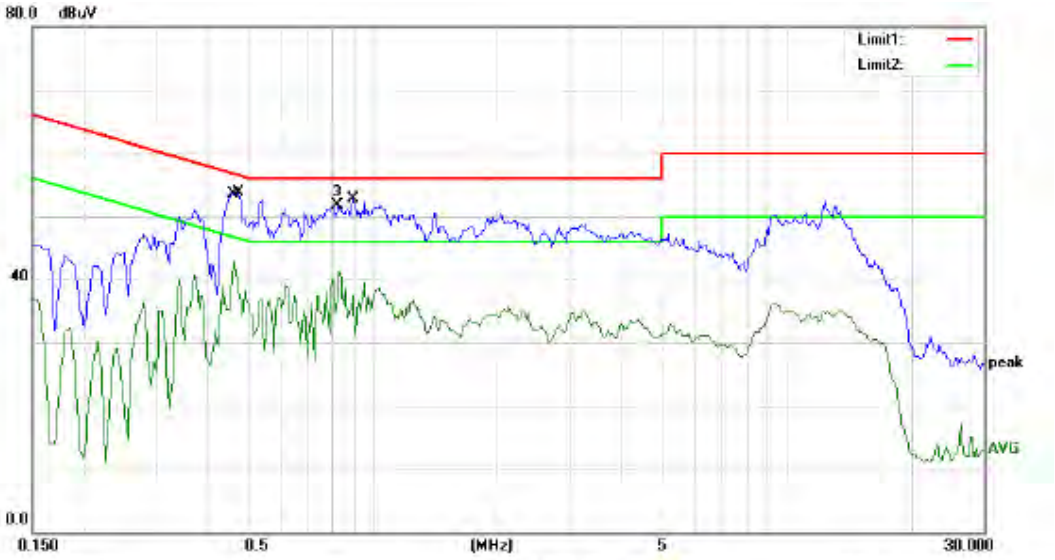
Site Conduction #1 Phase: N Temperature: 26
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 60 %
EUT: Tablet PAD
M/N: NS-P16AT758HD
Mode: Camera Recording
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.4650	51.90	0.00	51.90	56.60	-4.70	QP	
2	*	0.4650	42.14	0.00	42.14	46.60	-4.46	AVG	
3		0.8450	38.15	0.00	38.15	46.00	-7.85	AVG	
4		0.8850	50.60	0.00	50.60	56.00	-5.40	QP	



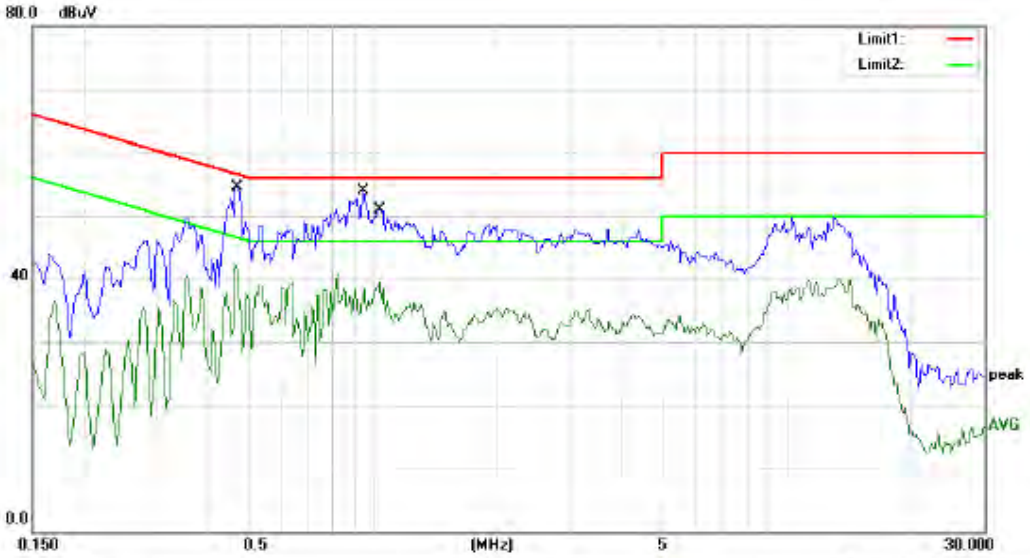
Site Conduction #1 Phase: N Temperature: 26
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 60 %
EUT: Tablet PAD
M/N: NS-P16AT758HD
Mode: Video Play(Memory)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3600	50.37	0.00	50.37	58.73	-8.36	QP	
2		0.3600	35.87	0.00	35.87	48.73	-12.86	AVG	
3		0.4600	50.00	0.00	50.00	56.69	-6.69	QP	
4		0.4600	41.45	0.00	41.45	46.69	-5.24	AVG	
5	*	0.9200	51.80	0.00	51.80	56.00	-4.20	QP	
6		0.9200	36.74	0.00	36.74	46.00	-9.26	AVG	
7		2.2350	49.94	0.00	49.94	56.00	-6.06	QP	
8		2.2350	33.16	0.00	33.16	46.00	-12.84	AVG	
9		9.7700	51.02	0.00	51.02	60.00	-8.98	QP	
10		9.7700	37.18	0.00	37.18	50.00	-12.82	AVG	
11		13.4750	52.24	0.00	52.24	60.00	-7.76	QP	
12		13.4750	39.67	0.00	39.67	50.00	-10.33	AVG	



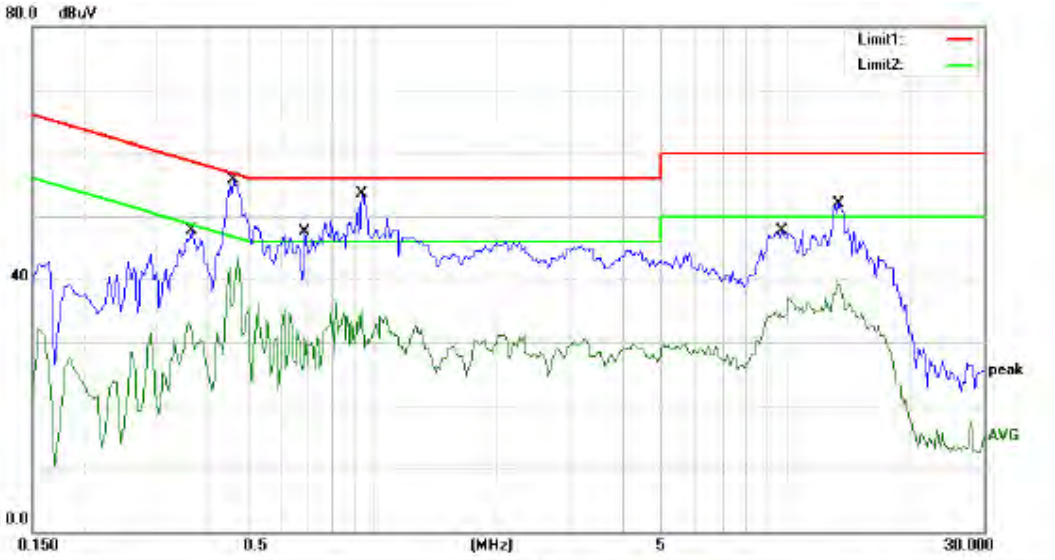
Site Conduction #1 Phase: *L1* Temperature: 26
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 60 %
EUT: Tablet PAD
M/N: NS-P16AT758HD
Mode: Video Play(Memory)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.4600	42.91	0.00	42.91	46.69	-3.78	AVG	
2		0.4711	50.40	0.00	50.40	56.49	-6.09	QP	
3		0.8250	51.76	0.00	51.76	56.00	-4.24	peak	
4		0.8300	41.32	0.00	41.32	46.00	-4.68	AVG	
5		0.8950	50.80	0.00	50.80	56.00	-5.20	QP	
6		0.8950	37.53	0.00	37.53	46.00	-8.47	AVG	



Site Conduction #1 Phase: *L1* Temperature: 26
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 60 %
EUT: Tablet PAD
M/N: NS-P16AT758HD
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	*	0.4650	42.21	0.00	42.21	46.60	-4.39	AVG	
2		0.4700	51.90	0.00	51.90	56.51	-4.61	QP	
3		0.9450	51.50	0.00	51.50	56.00	-4.50	QP	
4		1.0210	38.88	0.00	38.88	46.00	-7.12	AVG	

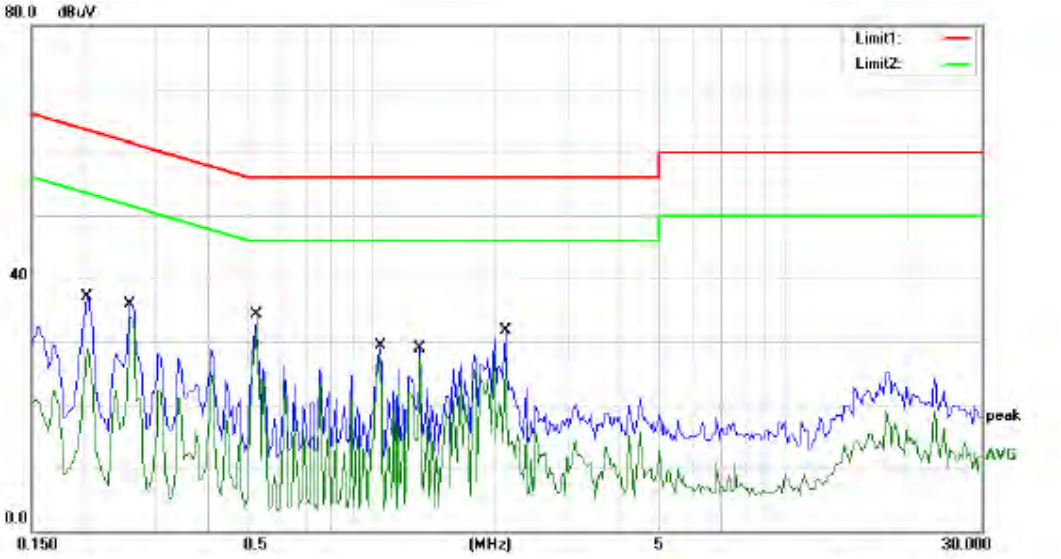


Site Conduction #1
Limit: (CE)FCC PART 15 class B_QP
EUT: Tablet PAD
M/N: NS-P16AT758HD
Mode: Video Play(SD Card)
Note:

Phase: N
Power: AC 120V/60Hz

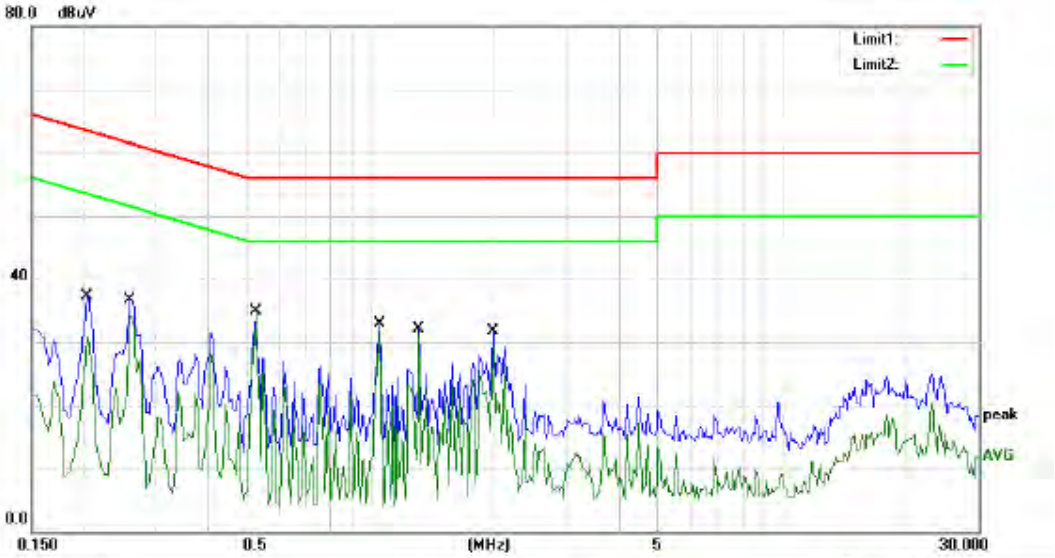
Temperature: 26
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3650	47.77	0.00	47.77	58.61	-10.84	QP	
2		0.3650	33.15	0.00	33.15	48.61	-15.46	AVG	
3		0.4600	50.50	0.00	50.50	56.69	-6.19	QP	
4	*	0.4600	43.24	0.00	43.24	46.69	-3.45	AVG	
5		0.6850	47.42	0.00	47.42	56.00	-8.58	QP	
6		0.6850	35.36	0.00	35.36	46.00	-10.64	AVG	
7		0.9400	45.00	0.00	45.00	56.00	-11.00	QP	
8		0.9400	35.13	0.00	35.13	46.00	-10.87	AVG	
9		9.7400	47.71	0.00	47.71	60.00	-12.29	QP	
10		9.7400	37.06	0.00	37.06	50.00	-12.94	AVG	
11		13.4000	51.85	0.00	51.85	60.00	-8.15	QP	
12		13.4000	39.71	0.00	39.71	50.00	-10.29	AVG	



Site Conduction #1 Phase: *L1* Temperature: 26
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 60 %
EUT: Tablet PAD
M/N: NS-P16AT758HD
Mode: Connect to PC
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2050	37.15	0.00	37.15	63.41	-26.26	QP	
2		0.2050	28.82	0.00	28.82	53.41	-24.59	AVG	
3		0.2600	36.00	0.00	36.00	61.43	-25.43	QP	
4		0.2600	33.91	0.00	33.91	51.43	-17.52	AVG	
5		0.5250	34.32	0.00	34.32	56.00	-21.68	QP	
6	*	0.5250	33.68	0.00	33.68	46.00	-12.32	AVG	
7		1.0500	29.27	0.00	29.27	56.00	-26.73	QP	
8		1.0500	27.94	0.00	27.94	46.00	-18.06	AVG	
9		1.3100	28.83	0.00	28.83	56.00	-27.17	QP	
10		1.3100	27.61	0.00	27.61	46.00	-18.39	AVG	
11		2.1200	31.79	0.00	31.79	56.00	-24.21	QP	
12		2.1200	27.95	0.00	27.95	46.00	-18.05	AVG	



Site Conduction #1 Phase: N Temperature: 26
Limit: (CE)FCC PART 15 class B_QP Power: AC 120V/60Hz Humidity: 60 %
EUT: Tablet PAD
M/N: NS-P16AT758HD
Mode: Connect to PC
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2050	37.25	0.00	37.25	63.41	-26.16	QP	
2		0.2050	30.66	0.00	30.66	53.41	-22.75	AVG	
3		0.2600	36.79	0.00	36.79	61.43	-24.64	QP	
4		0.2600	34.21	0.00	34.21	51.43	-17.22	AVG	
5		0.5250	34.83	0.00	34.83	56.00	-21.17	QP	
6	*	0.5250	34.03	0.00	34.03	46.00	-11.97	AVG	
7		1.0500	32.87	0.00	32.87	56.00	-23.13	QP	
8		1.0500	31.88	0.00	31.88	46.00	-14.12	AVG	
9		1.3100	32.20	0.00	32.20	56.00	-23.80	QP	
10		1.3100	31.23	0.00	31.23	46.00	-14.77	AVG	
11		1.9900	31.71	0.00	31.71	56.00	-24.29	QP	
12		1.9900	29.32	0.00	29.32	46.00	-16.68	AVG	

5.2 Radiated Emission

RESULT: **Pass**

Date of testing	:	2015-05-09
Test standard	:	FCC Part 15.109 (a)
Test procedure	:	ANSI C63.4: 2003
Frequency range	:	30 - 6000MHz
Equipment Classification	:	Class B
Limits	:	FCC Part 15.109(a)
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation mode	:	A, B
Earthing	:	Not connected
Ambient temperature	:	23℃
Relative humidity	:	48%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode: Connect to PC
Note:

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

Temperature: 22 C
Humidity: 50 %

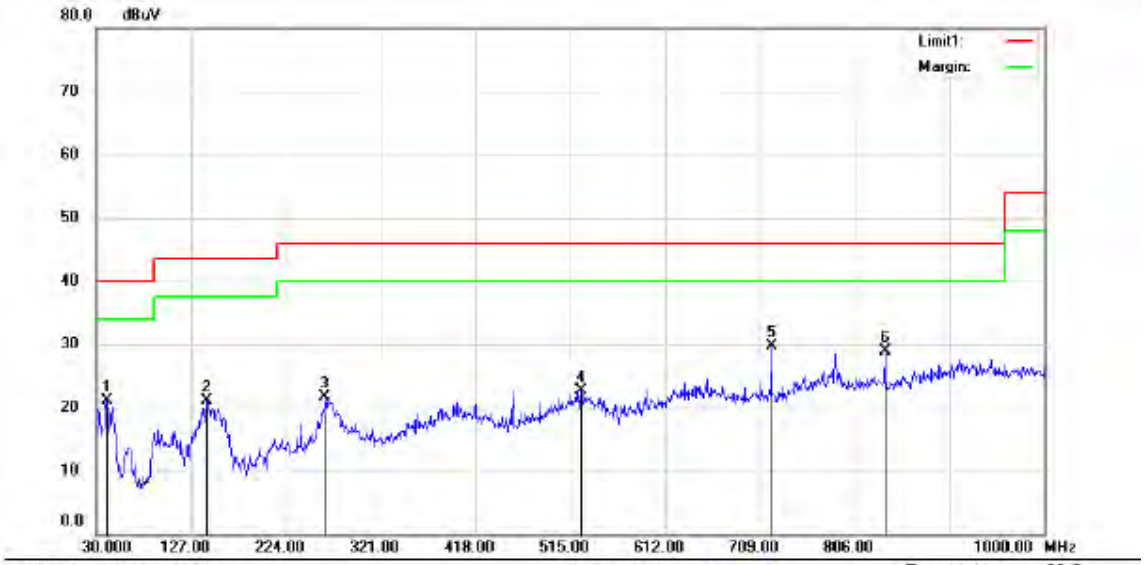
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	49.4000	45.44	-14.73	30.71	40.00	-9.29	QP			
2		68.8000	40.88	-17.47	23.41	40.00	-16.59	QP			
3		257.9500	33.92	-11.55	22.37	46.00	-23.63	QP			
4		600.3600	33.94	-6.91	27.03	46.00	-18.97	QP			
5		800.1800	36.05	-3.60	32.45	46.00	-13.55	QP			
6		896.2100	38.06	-1.84	36.22	46.00	-9.78	QP			

Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Connect to PC
Note:

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

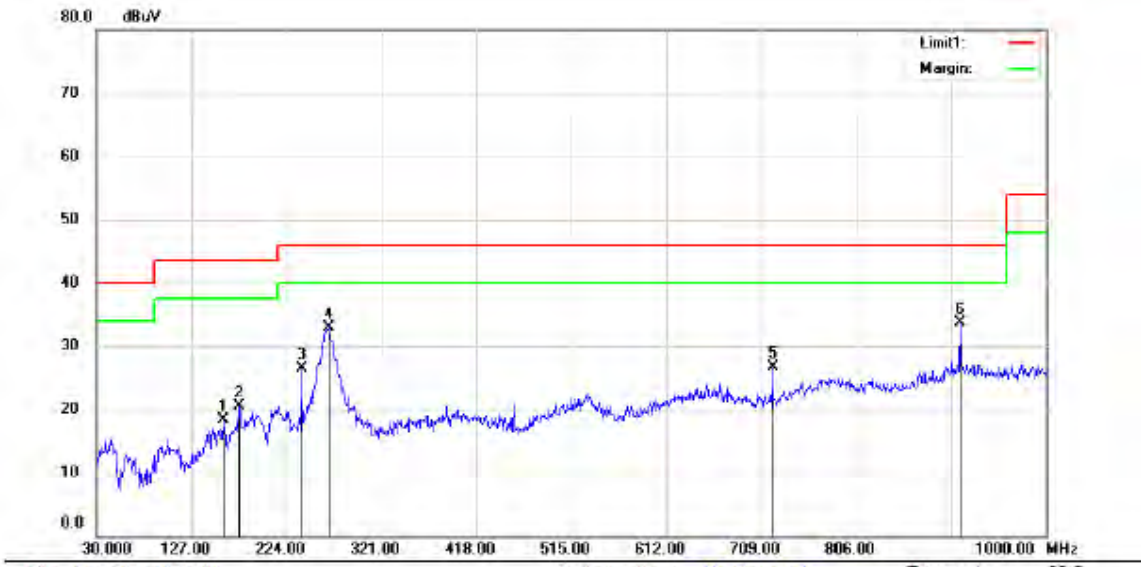
Temperature: 22 C
Humidity: 50 %

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		128.9400	36.87	-16.36	20.51	43.50	-22.99	QP			
2		239.5200	39.54	-12.63	26.91	46.00	-19.09	QP			
3		257.9500	40.65	-11.55	29.10	46.00	-16.90	QP			
4		865.1700	35.43	-2.93	32.50	46.00	-13.50	QP			
5		899.1200	34.57	-1.61	32.96	46.00	-13.04	QP			
6	*	933.0700	36.55	-1.20	35.35	46.00	-10.65	QP			



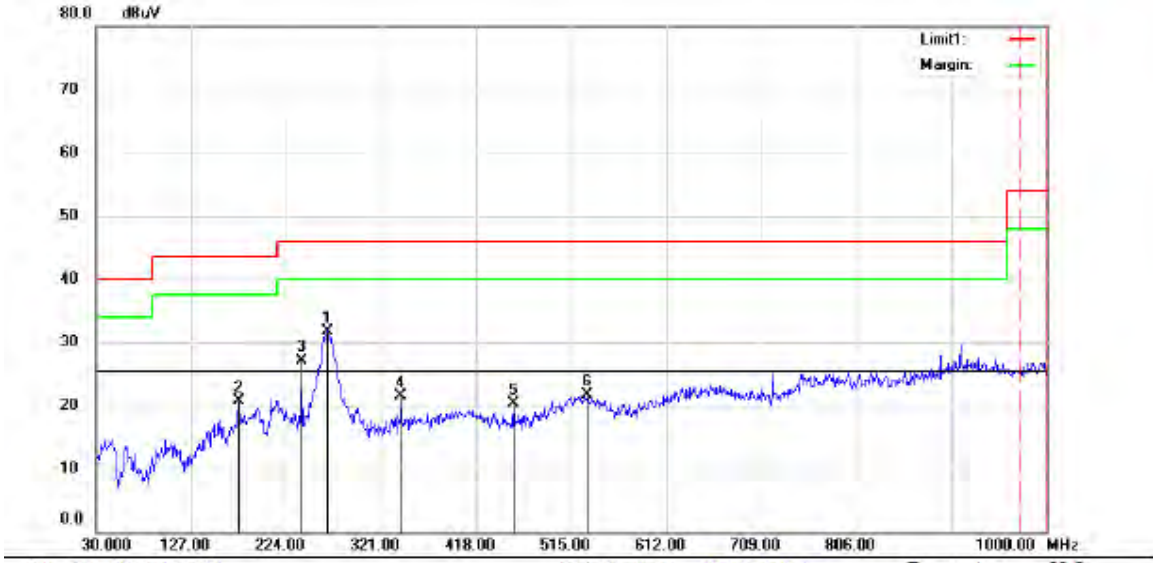
Site 3m Chamber #1 Polarization: *Vertical* Temperature: 22 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Video Play(Memory)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		40.6700	33.65	-12.62	21.03	40.00	-18.97	QP			
2		143.4900	38.21	-17.19	21.02	43.50	-22.48	QP			
3		263.7700	32.99	-11.29	21.70	46.00	-24.30	QP			
4		525.6700	28.88	-6.08	22.80	46.00	-23.20	QP			
5	*	720.6400	35.69	-5.90	29.79	46.00	-16.21	QP			
6		837.0400	32.46	-3.55	28.91	46.00	-17.09	QP			



Site 3m Chamber #1 Polarization: *Horizontal* Temperature: 22 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Video Play(Memory)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		159.9800	36.10	-17.87	18.23	43.50	-25.27	QP			
2		175.5000	38.51	-18.02	20.49	43.50	-23.01	QP			
3		239.5200	39.20	-12.63	26.57	46.00	-19.43	QP			
4		266.6800	44.07	-11.17	32.90	46.00	-13.10	QP			
5		720.6400	32.65	-5.90	26.75	46.00	-19.25	QP			
6	*	912.7000	34.50	-0.89	33.61	46.00	-12.39	QP			

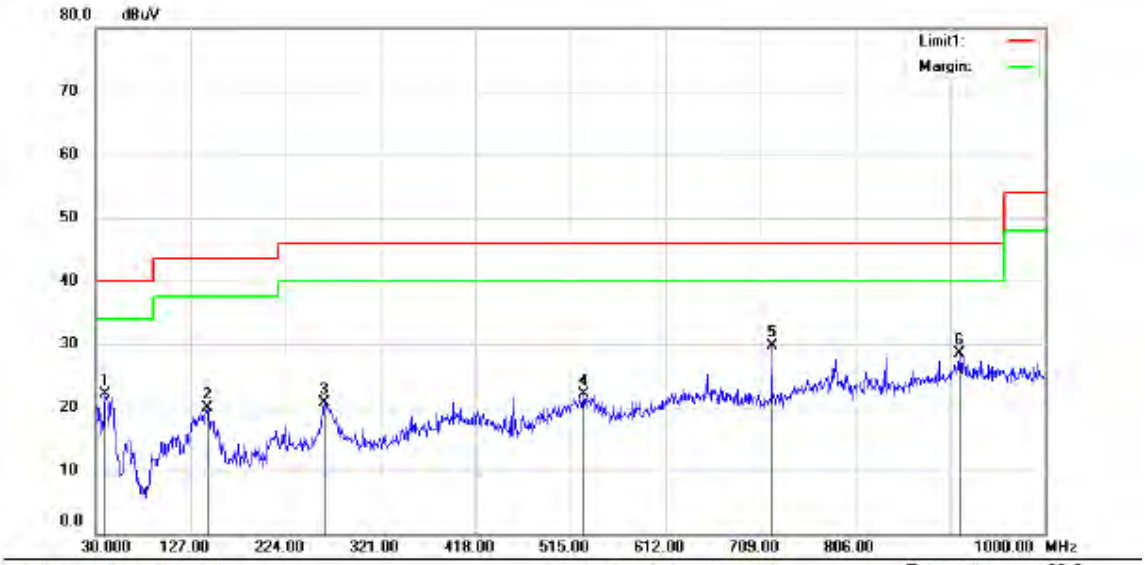


Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Video Play(SD Card)
Note:

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

Temperature: 22 C
Humidity: 50 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1	*	265.7100	42.99	-11.23	31.76	46.00	-14.24	QP			
2		175.5000	38.68	-18.02	20.66	43.50	-22.84	QP			
3		239.5200	39.66	-12.63	27.03	46.00	-18.97	QP			
4		341.3700	32.00	-10.54	21.46	46.00	-24.54	QP			
5		455.8300	30.42	-10.05	20.37	46.00	-25.63	QP			
6		531.4900	27.71	-6.04	21.67	46.00	-24.33	QP			

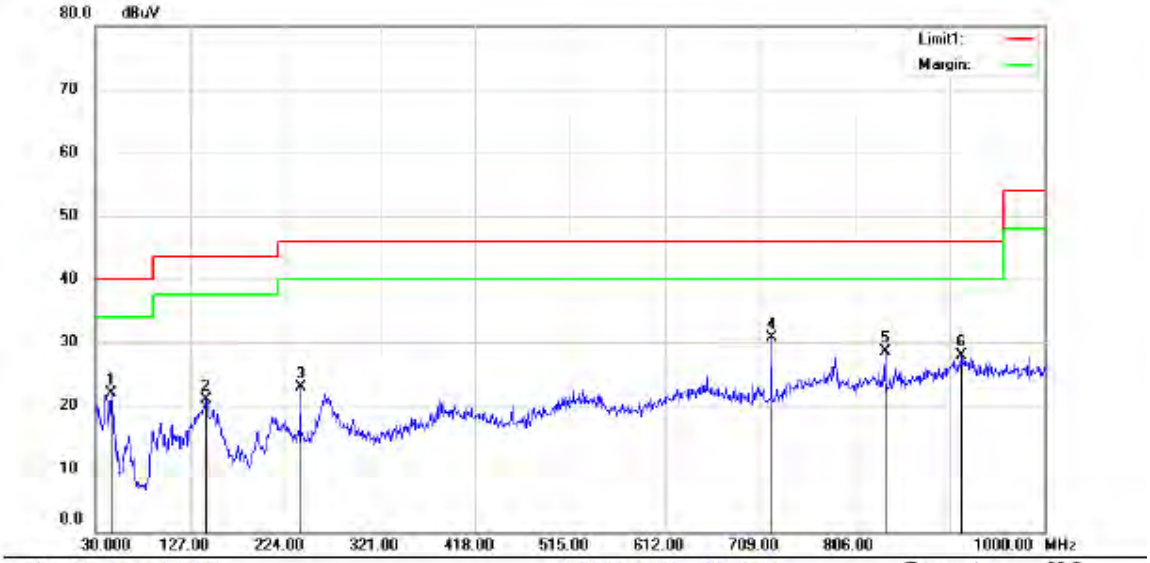


Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Video Play(SD Card)
Note:

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

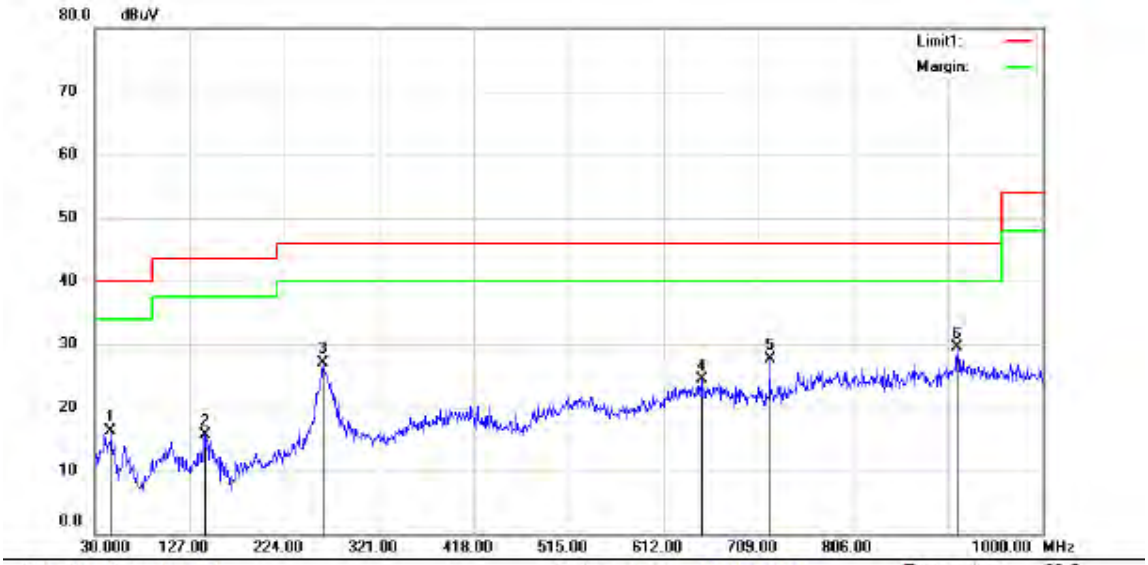
Temperature: 22 C
Humidity: 50 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		39.7000	34.77	-12.57	22.20	40.00	-17.80	QP			
2		144.4600	37.07	-17.25	19.82	43.50	-23.68	QP			
3		263.7700	32.00	-11.29	20.71	46.00	-25.29	QP			
4		528.5800	27.98	-5.97	22.01	46.00	-23.99	QP			
5	*	720.6400	35.61	-5.90	29.71	46.00	-16.29	QP			
6		912.7000	29.41	-0.89	28.52	46.00	-17.48	QP			



Site 3m Chamber #1
Polarization: *Vertical*
Temperature: 22 C
Limit: (RE)FCC PART 15 CLASS B
Power: AC 120V/60Hz
Humidity: 50 %
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Camera Recording
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		46.4900	34.54	-12.69	21.85	40.00	-18.15	QP			
2		142.5200	38.03	-17.14	20.89	43.50	-22.61	QP			
3		239.5200	35.49	-12.63	22.86	46.00	-23.14	QP			
4	*	720.6400	36.53	-5.90	30.63	46.00	-15.37	QP			
5		837.0400	32.14	-3.55	28.59	46.00	-17.41	QP			
6		915.6100	28.75	-0.88	27.87	46.00	-18.13	QP			

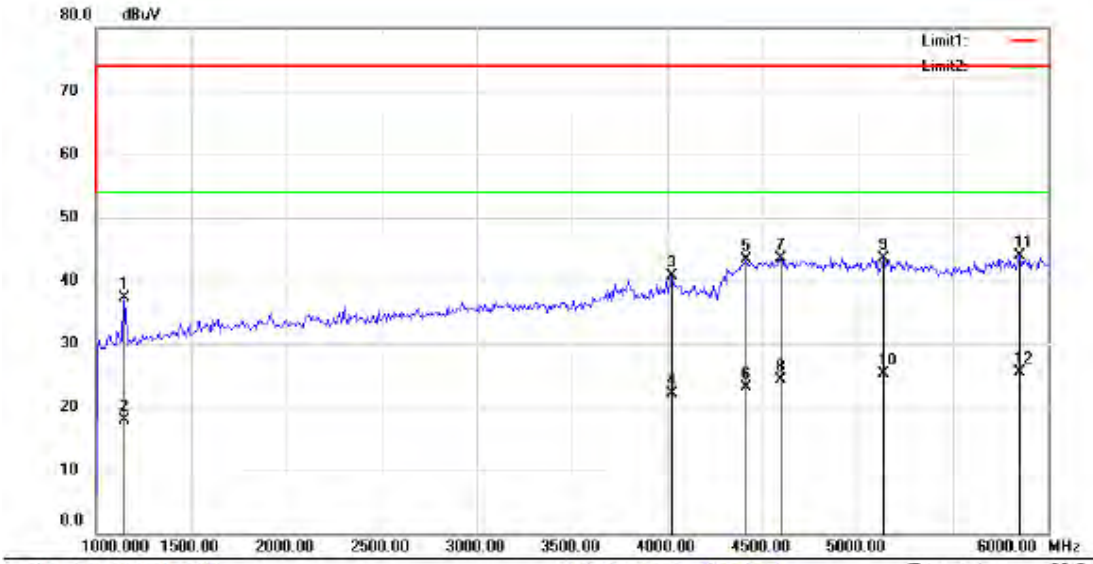


Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Camera Recording
Note:

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

Temperature: 22 C
Humidity: 50 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		46.4900	29.05	-12.69	16.36	40.00	-23.64	QP			
2		142.5200	32.88	-17.14	15.74	43.50	-27.76	QP			
3		262.8000	38.34	-11.30	27.04	46.00	-18.96	QP			
4		650.8000	29.42	-4.93	24.49	46.00	-21.51	QP			
5		720.6400	33.64	-5.90	27.74	46.00	-18.26	QP			
6	*	912.7000	30.47	-0.89	29.58	46.00	-16.42	QP			

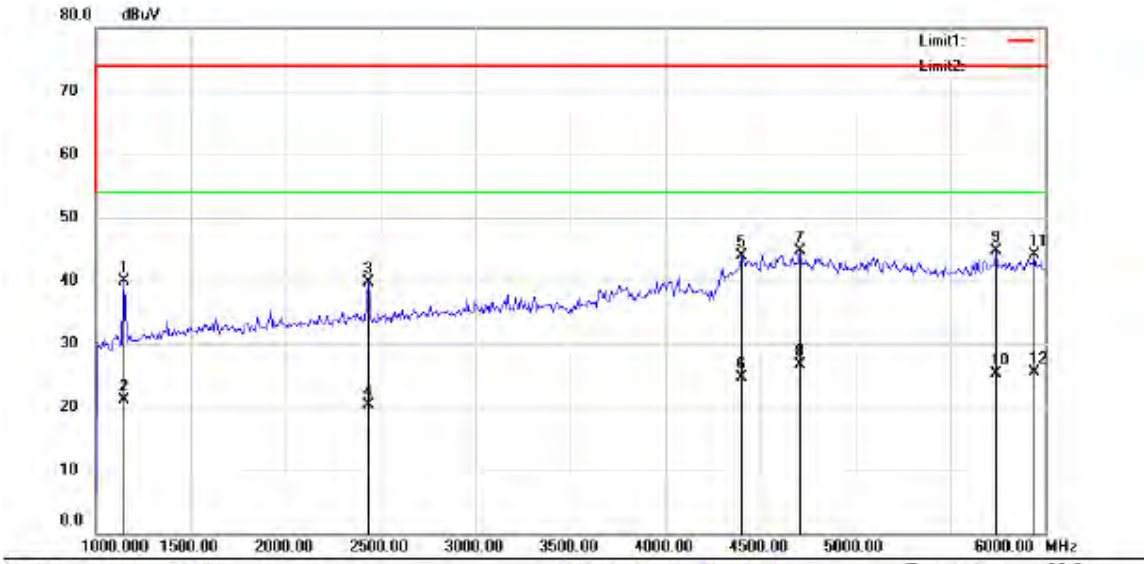


Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Camera Recording
Note:

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

Temperature: 22 C
Humidity: 50 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		1152.244	52.87	-15.66	37.21	74.00	-36.79	peak			
2		1152.244	33.50	-15.66	17.84	54.00	-36.16	AVG			
3		4020.833	49.45	-8.72	40.73	74.00	-33.27	peak			
4		4020.833	30.90	-8.72	22.18	54.00	-31.82	AVG			
5		4413.462	50.96	-7.70	43.26	74.00	-30.74	peak			
6		4413.462	30.90	-7.70	23.20	54.00	-30.80	AVG			
7		4597.756	50.72	-7.24	43.48	74.00	-30.52	peak			
8		4597.756	31.50	-7.24	24.26	54.00	-29.74	AVG			
9		5134.615	49.77	-6.33	43.44	74.00	-30.56	peak			
10		5134.615	31.70	-6.33	25.37	54.00	-28.63	AVG			
11		5847.756	49.46	-5.55	43.91	74.00	-30.09	peak			
12	*	5847.756	31.00	-5.55	25.45	54.00	-28.55	AVG			

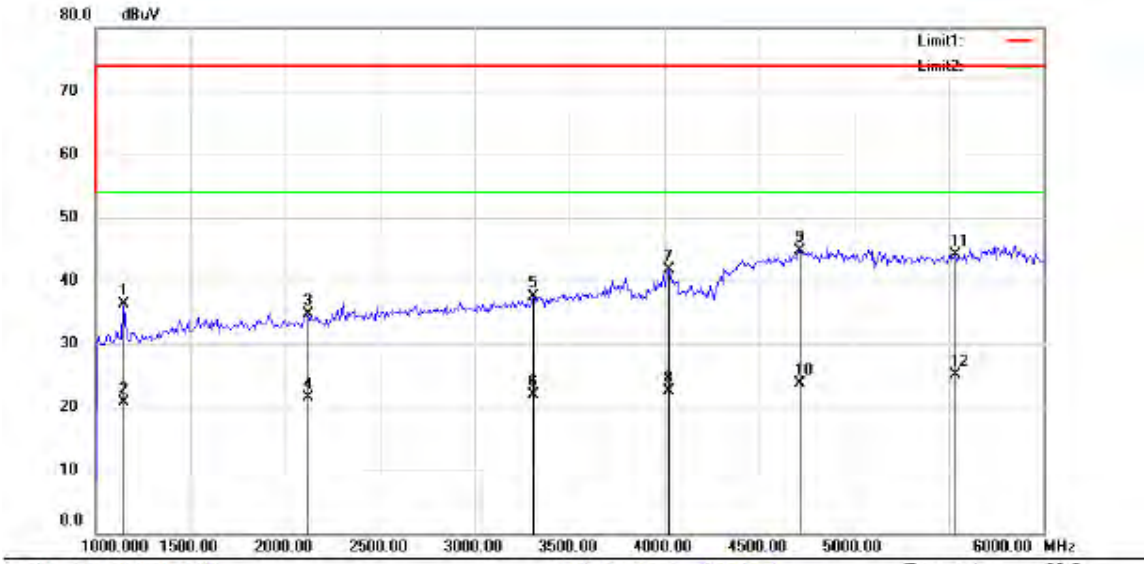


Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Camera Recording
Note:

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

Temperature: 22 C
Humidity: 50 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		1152.244	55.48	-15.66	39.82	74.00	-34.18	peak			
2		1152.244	36.80	-15.66	21.14	54.00	-32.86	AVG			
3		2434.295	51.73	-12.11	39.62	74.00	-34.38	peak			
4		2434.295	32.50	-12.11	20.39	54.00	-33.61	AVG			
5		4405.449	51.71	-7.73	43.98	74.00	-30.02	peak			
6		4405.449	32.40	-7.73	24.67	54.00	-29.33	AVG			
7		4709.936	51.56	-6.94	44.62	74.00	-29.38	peak			
8	*	4709.936	33.60	-6.94	26.66	54.00	-27.34	AVG			
9		5743.590	50.67	-5.88	44.79	74.00	-29.21	peak			
10		5743.590	31.20	-5.88	25.32	54.00	-28.68	AVG			
11		5943.910	49.39	-5.23	44.16	74.00	-29.84	peak			
12		5943.910	30.70	-5.23	25.47	54.00	-28.53	AVG			

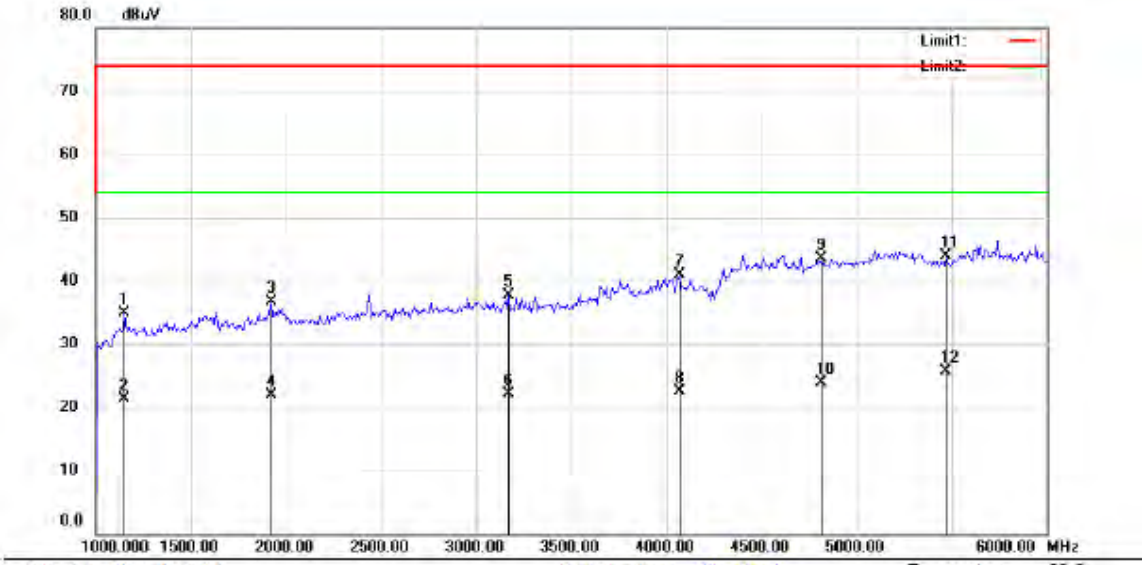


Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Video Play(SD Card)
Note:

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

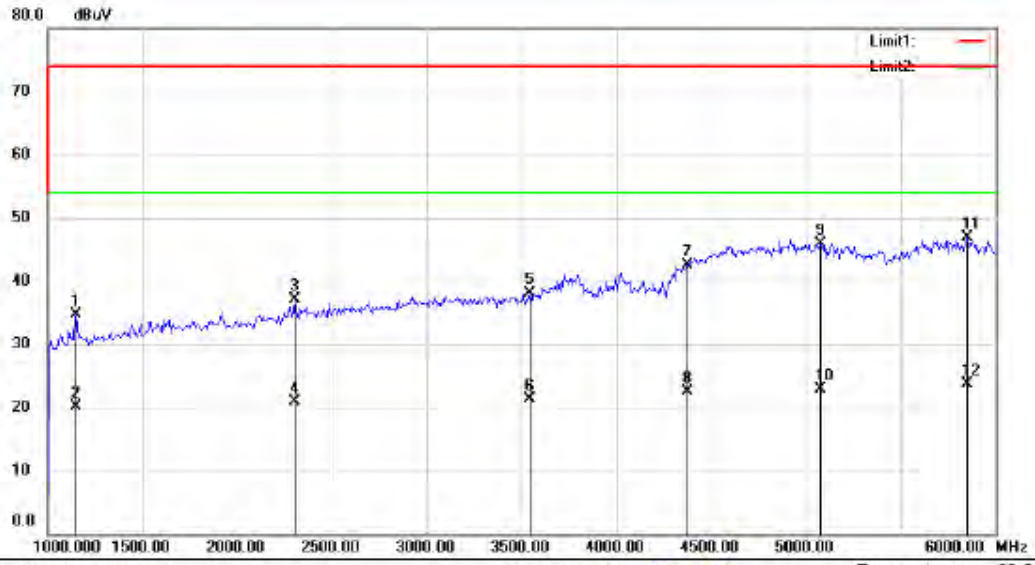
Temperature: 22 C
Humidity: 50 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		1152.244	51.87	-15.66	36.21	74.00	-37.79	peak			
2		1152.244	36.41	-15.66	20.75	54.00	-33.25	AVG			
3		2121.795	47.80	-13.03	34.77	74.00	-39.23	peak			
4		2121.795	34.60	-13.03	21.57	54.00	-32.43	AVG			
5		3307.692	47.82	-10.24	37.58	74.00	-36.42	peak			
6		3307.692	32.13	-10.24	21.89	54.00	-32.11	AVG			
7		4020.833	50.45	-8.72	41.73	74.00	-32.27	peak			
8		4020.833	31.26	-8.72	22.54	54.00	-31.46	AVG			
9		4709.936	51.63	-6.94	44.69	74.00	-29.31	peak			
10		4709.936	30.65	-6.94	23.71	54.00	-30.29	AVG			
11		5535.256	50.63	-6.56	44.07	74.00	-29.93	peak			
12	*	5535.256	31.59	-6.56	25.03	54.00	-28.97	AVG			



Site 3m Chamber #1 Polarization: *Vertical* Temperature: 22 C
Limit: (RE)FCC PART 15 CLASS B Power: AC 120V/60Hz Humidity: 50 %
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Video Play(SD Card)
Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		1152.244	50.47	-15.66	34.81	74.00	-39.19	peak			
2		1152.244	37.00	-15.66	21.34	54.00	-32.66	AVG			
3		1921.474	50.30	-13.52	36.78	74.00	-37.22	peak			
4		1921.474	35.37	-13.52	21.85	54.00	-32.15	AVG			
5		3171.474	47.85	-10.24	37.61	74.00	-36.39	peak			
6		3171.474	32.29	-10.24	22.05	54.00	-31.95	AVG			
7		4068.910	49.57	-8.59	40.98	74.00	-33.02	peak			
8		4068.910	31.16	-8.59	22.57	54.00	-31.43	AVG			
9		4814.102	50.22	-6.67	43.55	74.00	-30.45	peak			
10		4814.102	30.64	-6.67	23.97	54.00	-30.03	AVG			
11		5471.154	50.53	-6.65	43.88	74.00	-30.12	peak			
12	*	5471.154	32.32	-6.65	25.67	54.00	-28.33	AVG			

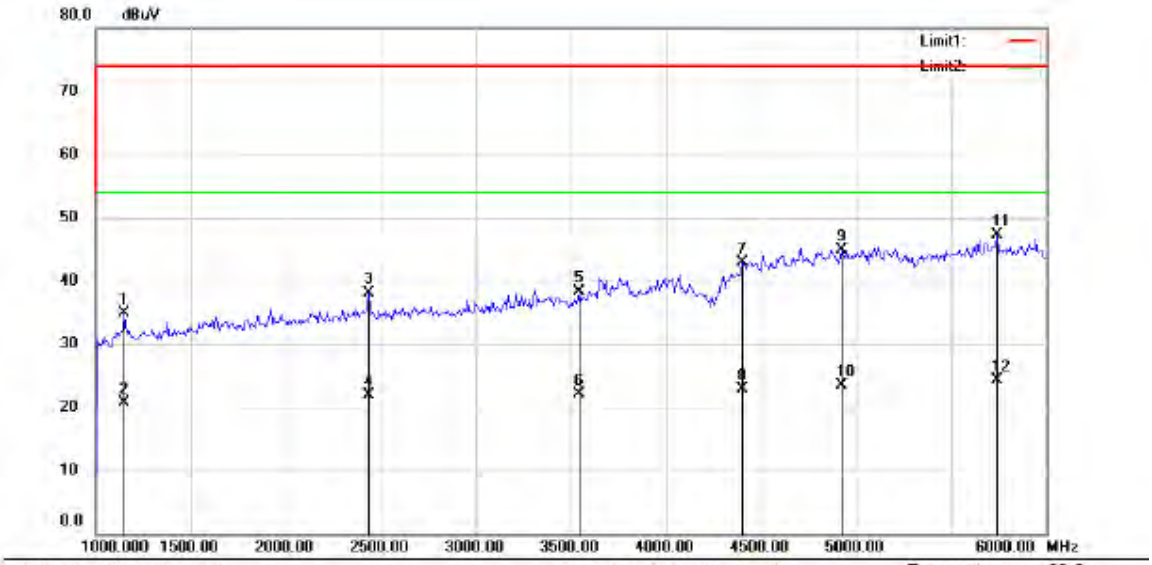


Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Video Play(Memory)
Note:

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

Temperature: 22 C
Humidity: 50 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		1152.244	50.37	-15.66	34.71	74.00	-39.29	peak			
2		1152.244	35.81	-15.66	20.15	54.00	-33.85	AVG			
3		2306.090	49.60	-12.49	37.11	74.00	-36.89	peak			
4		2306.090	33.48	-12.49	20.99	54.00	-33.01	AVG			
5		3540.064	48.22	-10.13	38.09	74.00	-35.91	peak			
6		3540.064	31.48	-10.13	21.35	54.00	-32.65	AVG			
7		4373.397	50.24	-7.81	42.43	74.00	-31.57	peak			
8		4373.397	30.32	-7.81	22.51	54.00	-31.49	AVG			
9		5078.525	52.19	-6.27	45.92	74.00	-28.08	peak			
10		5078.525	29.16	-6.27	22.89	54.00	-31.11	AVG			
11	*	5847.756	52.46	-5.55	46.91	74.00	-27.09	peak			
12		5847.756	29.19	-5.55	23.64	54.00	-30.36	AVG			

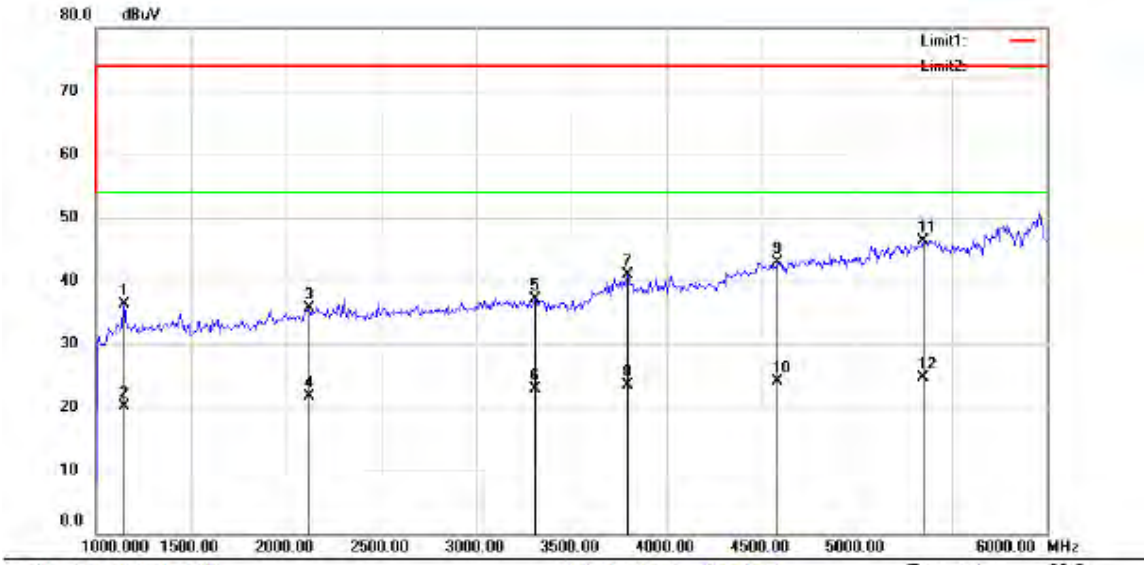


Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Video Play(Memory)
Note:

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

Temperature: 22 C
Humidity: 50 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		1152.244	50.47	-15.66	34.81	74.00	-39.19	peak			
2		1152.244	36.33	-15.66	20.67	54.00	-33.33	AVG			
3		2434.295	50.23	-12.11	38.12	74.00	-35.88	peak			
4		2434.295	34.02	-12.11	21.91	54.00	-32.09	AVG			
5		3540.064	48.52	-10.13	38.39	74.00	-35.61	peak			
6		3540.064	32.16	-10.13	22.03	54.00	-31.97	AVG			
7		4405.449	50.71	-7.73	42.98	74.00	-31.02	peak			
8		4405.449	30.62	-7.73	22.89	54.00	-31.11	AVG			
9		4926.282	51.26	-6.39	44.87	74.00	-29.13	peak			
10		4926.282	29.95	-6.39	23.56	54.00	-30.44	AVG			
11	*	5743.590	53.17	-5.88	47.29	74.00	-26.71	peak			
12		5743.590	30.13	-5.88	24.25	54.00	-29.75	AVG			

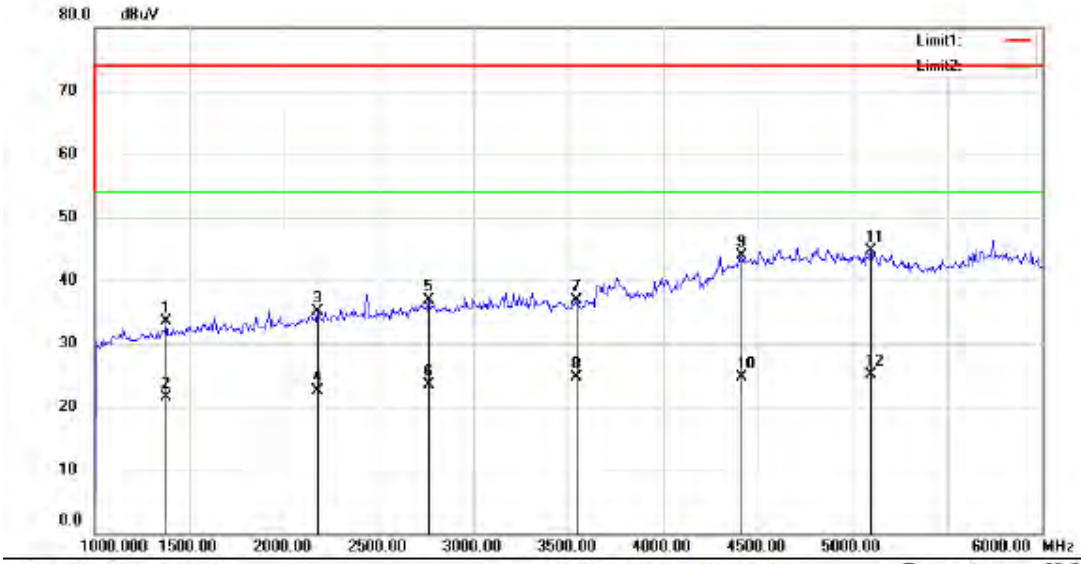


Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Connect to PC
Note:

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

Temperature: 22 C
Humidity: 50 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		1152.244	51.87	-15.66	36.21	74.00	-37.79	peak			
2		1152.244	35.67	-15.66	20.01	54.00	-33.99	AVG			
3		2121.795	48.80	-13.03	35.77	74.00	-38.23	peak			
4		2121.795	34.68	-13.03	21.65	54.00	-32.35	AVG			
5		3307.692	47.32	-10.24	37.08	74.00	-36.92	peak			
6		3307.692	33.11	-10.24	22.87	54.00	-31.13	AVG			
7		3796.474	50.23	-9.37	40.86	74.00	-33.14	peak			
8		3796.474	32.91	-9.37	23.54	54.00	-30.46	AVG			
9		4581.731	50.26	-7.28	42.98	74.00	-31.02	peak			
10		4581.731	31.33	-7.28	24.05	54.00	-29.95	AVG			
11	*	5350.962	52.87	-6.53	46.34	74.00	-27.66	peak			
12		5350.962	31.20	-6.53	24.67	54.00	-29.33	AVG			



Site 3m Chamber #1
Limit: (RE)FCC PART 15 CLASS B
EUT: Tablet PAD
M/N: NS-P16AT785HD
Mode:Connect to PC
Note:

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

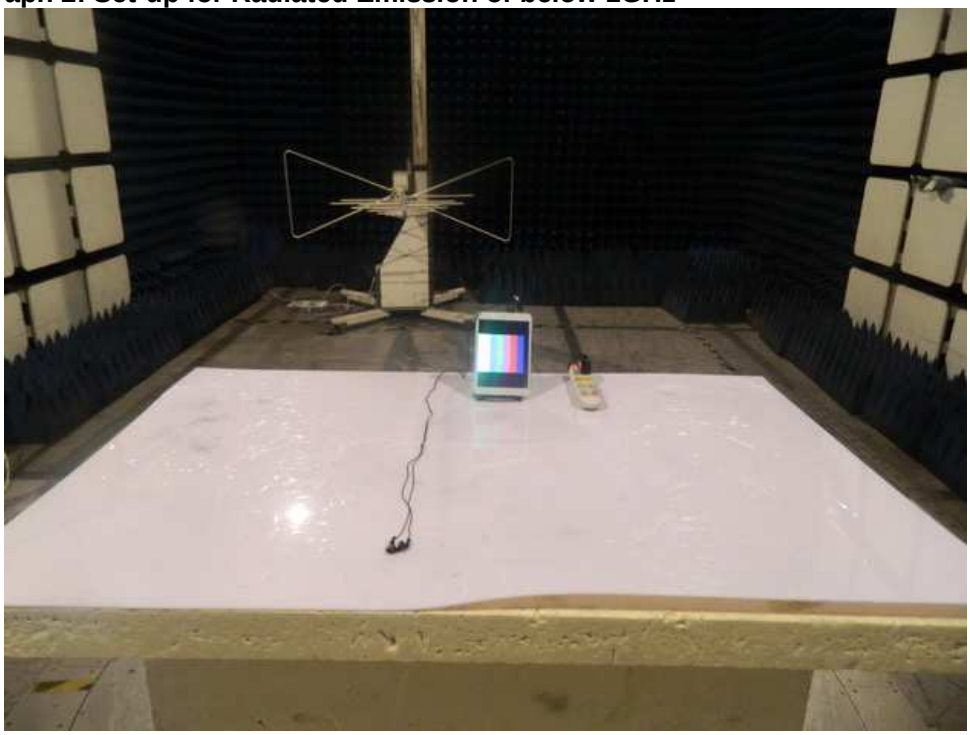
Temperature: 22 C
Humidity: 50 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	cm	degree	Comment
1		1376.602	48.31	-14.72	33.59	74.00	-40.41	peak			
2		1376.602	36.28	-14.72	21.56	54.00	-32.44	AVG			
3		2177.885	47.92	-12.88	35.04	74.00	-38.96	peak			
4		2177.885	35.42	-12.88	22.54	54.00	-31.46	AVG			
5		2762.820	48.00	-11.04	36.96	74.00	-37.04	peak			
6		2762.820	34.52	-11.04	23.48	54.00	-30.52	AVG			
7		3540.064	47.02	-10.13	36.89	74.00	-37.11	peak			
8		3540.064	34.80	-10.13	24.67	54.00	-29.33	AVG			
9		4413.462	51.65	-7.70	43.95	74.00	-30.05	peak			
10		4413.462	32.37	-7.70	24.67	54.00	-29.33	AVG			
11		5094.551	50.96	-6.29	44.67	74.00	-29.33	peak			
12	*	5094.551	31.42	-6.29	25.13	54.00	-28.87	AVG			

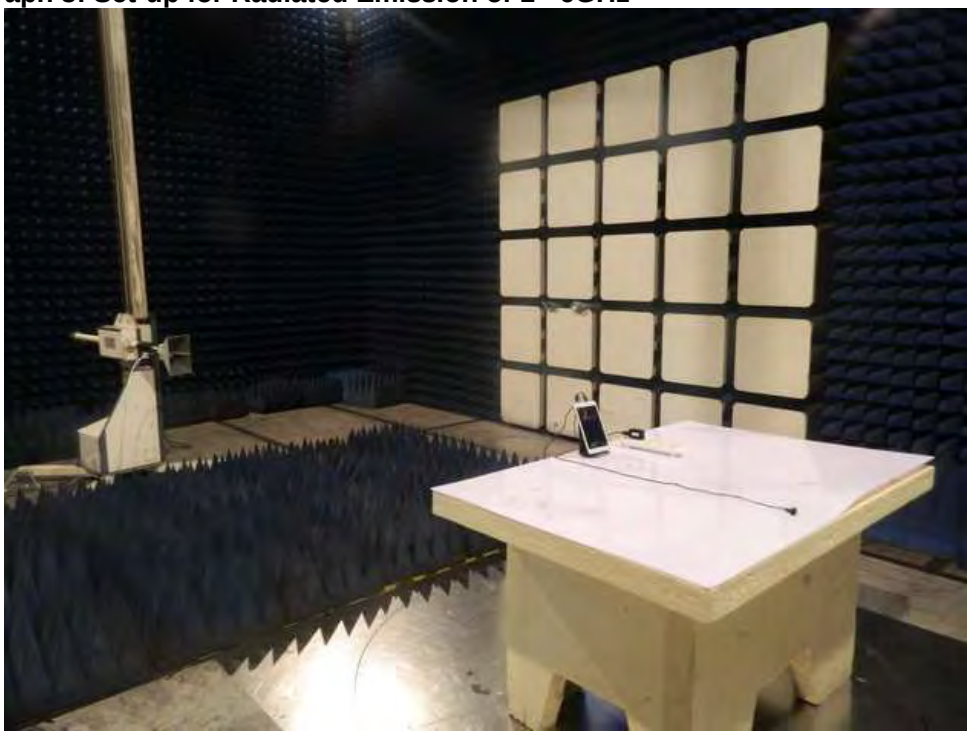
6. Photographs of the Test Set-Up

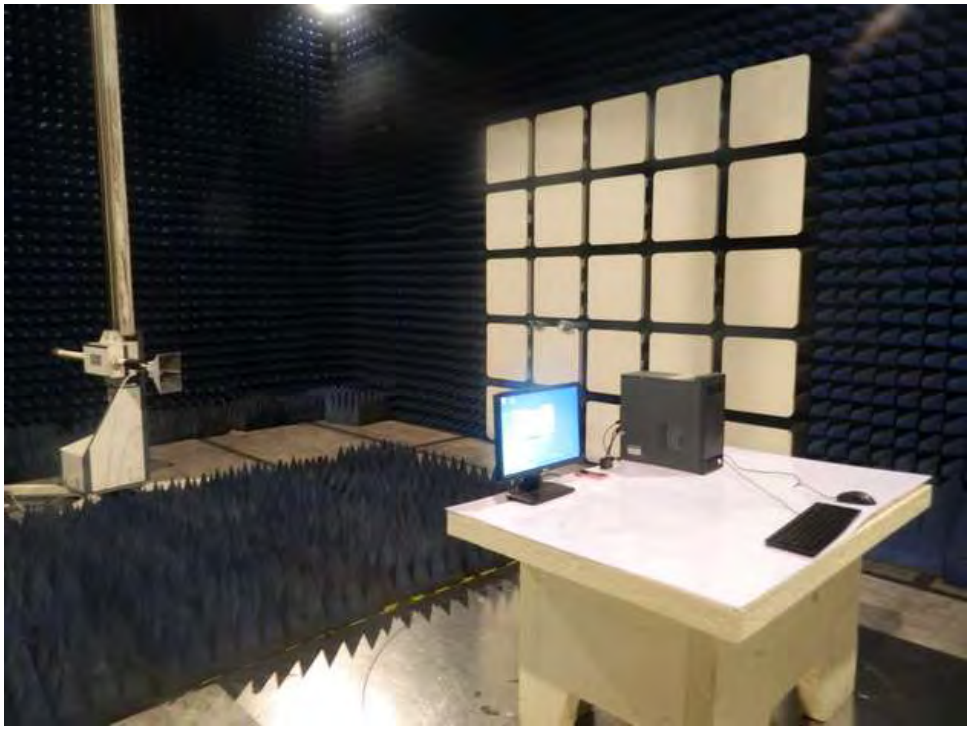
Photograph 1: Set-up for Conducted Emission

Photograph 2: Set-up for Radiated Emission of below 1GHz



Photograph 3: Set-up for Radiated Emission of 1 - 6GHz





7. List of Tables

8. List of Photographs