

Report No.: ATE20161724

Page 1 of 21

APPLICATION FOR VERIFICATION On Behalf of Hornady Manufacturing Company

RAPiD Keypad GEN III Model No.:HOM070

FCC ID: 2AFJZ-HOM070

Prepared for : Hornady Manufacturing Company

Address : 3625 Old Potash Hwy Grand Island, NE 68803

United States

Prepared by : Accurate Technology Co., Ltd.

Address : F1, Bldg. A&D, Changyuan New Material Port, Keyuan

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Report No. : ATE20161724

Date of Test : August 15, 2016

Date of Report : August 18, 2016

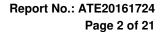




TABLE OF CONTENTS

Descrip	ption	Page
Test Re	eport Declaration	
	· ST RESULTS SUMMARY	1
2. GE	NERAL INFORMATION	
2.1.	Description of Device (EUT)	
2.2.	Special Accessory and Auxiliary Equipment	
2.3.	Description of Test Facility	
2.4.	Measurement Uncertainty	
3. PO	WER LINE CONDUCTED MEASUREMENT	
3.1.	For Power Line Conducted Emission	
3.2.	Power Line Conducted Emission Measurement Limits (Class B)	
3.3.	Manufacturer	
3.4.	Operating Condition of EUT	
3.5.	Test Procedure	
3.6.	Power Line Conducted Emission Measurement Results	
4. RA	DIATED EMISSION MEASUREMENT	15
4.1.	For Radiated Emission Measurement	15
4.2.	TEST CONFIGURATION	15
4.3.	Block Diagram of Test Setup	
4.4.	Radiated Emission Limit	
4.5.	EUT Configuration on Measurement	16
4.6.	Operating Condition of EUT	
4.7.	Test Procedure	
4.8.	Radiated Emission Noise Measurement Result	
5. AN	TENNA REQUIREMENT	21
5.1.	The Requirement	21
5.2.	Antenna Construction	21



Report No.: ATE20161724 Page 3 of 21

Test Report Declaration

Applicant&: Hornady Manufacturing Company

address 3625 Old Potash Hwy Grand Island, NE 68803 United States

Manufacturer&: Hornady Manufacturing Company

address 3625 Old Potash Hwy Grand Island, NE 68803 United States

Product : RAPiD Keypad GEN III

Model No. : HOM070

Trade name : N/A

Measurement Procedure Used:

FCC Rules and Regulations Part 15 Subpart C 15.207&15.209 ANSI C63.10: 2013

The device described above is tested by Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits both radiated and conducted emissions. The measurement results are contained in this test report and Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Accurate Technology Co., Ltd.

Date of Test:

Date of Report:

August 15, 2016

August 18, 2016

Prepared by:

(Bob Wang, Engineer)

Approved & Authorized Signer:

(Sean Liu, Manager)





Page 4 of 21

1. TEST RESULTS SUMMARY

Test Items	Test Standard	Test Results
Power Line Conducted Emission	FCC Part 15.207	Pass
Radiated Emission	FCC Part 15.209	Pass





2. GENERAL INFORMATION

2.1.Description of Device (EUT)

The submitted sample is a RAPiD Keypad GEN III. The sample is powered by AC 120V.

		RAPiD Keypad GEN III
Frequency	:	125KHz
Number of Channels	:	1
Modulation Type	:	GFSK
Type of Antenna	:	Internal Antenna
Max antenna gain	:	3dBi
Power Supply	:	AC120V(Adapter)
Adapter	:	MODEL: PK-1201000 INPUT:100-240V~50/60Hz 0.6A OUTPUT:12V/1A

2.2.Special Accessory and Auxiliary Equipment N/A



Report No.: ATE20161724

Page 6 of 21

2.3. Description of Test Facility

EMC Lab : Accredited by TUV Rheinland Shenzhen, May 10, 2004

Listed by FCC

The Registration Number is 253065

Listed by FCC

The Registration Number is 752051

Listed by Industry Canada

The Registration Number is 5077A-1

Listed by Industry Canada

The Registration Number is 5077A-2

Accredited by China National Accreditation Committee for

Laboratories

The Certificate Registration Number is L3193

Name of Firm : Accurate Technology Co., Ltd.

Site Location : F1, Bldg. A&D, Changyuan New Material Port, Keyuan

Rd., Science & Industry Park, Nanshan District, Shenzhen

518057, P.R. China

2.4. Measurement Uncertainty

Conducted emission expanded uncertainty : U=2.23dB, k=2 Power disturbance expanded uncertainty : U=2.92dB, k=2

Radiated emission expanded uncertainty : U=3.08dB, k=2

(9kHz-30MHz)

Radiated emission expanded uncertainty : U=4.42dB, k=2

(30MHz-1000MHz)

Radiated emission expanded uncertainty U=4.06dB, k=2

(Above 1GHz)



Report No.: ATE20161724

Page 7 of 21

3. POWER LINE CONDUCTED MEASUREMENT

3.1. For Power Line Conducted Emission

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Test Receiver	Rohde & Schwarz	ESCS30	100307	Jan. 9, 2016	1 Year
2.	L.I.S.N.	Schwarzbeck	NLSK8126	8126431	Jan. 9, 2016	1 Year
3.	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100815	Jan. 9, 2016	1 Year
1	50Ω Coaxial	Anritsu Corp	MP59B	620028393	Jan. 9, 2016	1 Year
4.	Switch	·		3		
Expa	nded Uncertainty:	U= 2.23dB, k=2				

3.2. Power Line Conducted Emission Measurement Limits (Class B)

Frequency	Limits dB(μV)					
MHz	Quasi-peak Level	Average Level				
0.15—0.50	66—56*	56—46*				
0.50—5.00	56	46				
5.00—30.0	60	50				

Notes: 1. *Decreasing linearly with logarithm of frequency.

3.3.Manufacturer

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

3.3.1.Power bank (EUT)

Model Number: HOM070

Manufacturer: Hornady Manufacturing Company

3.4. Operating Condition of EUT

- 3.4.1. Setup the EUT and simulator as shown as Section 4.2.
- 3.4.2. Turn on the power of all equipment.
- 3.4.3.Let the EUT work in test mode (TX) and measure it.

^{2.} The lower limit shall apply at the transition frequencies.



Report No.: ATE20161724 Page 8 of 21

3.5.Test Procedure

The EUT is put on the plane 0.8m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 500hm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2014 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.



3.6. Power Line Conducted Emission Measurement Results **PASS.**

The frequency range from 150kHz to 30MHz is checked.

Test mode : TX	(120V/6	60HZ)					
MEASUREMENT	RESULT	: "A-91	03_fin	1"			
2016-8-15 9: Frequency MHz					Detector	Line	PE
0.434000 0.748000 1.116000 2.108000 5.208500 14.154500	35.50 30.30 33.90 31.40 31.60 28.20	11.6 11.7	56 56 56	25.7 22.1 24.6	QP QP QP QP	N N N N N	GND GND GND GND GND GND
MEASUREMENT	RESULT	: "A-91	03_fin	2"			
2016-8-15 9: Frequency MHz					Detector	Line	PE
0.434000 0.748000 1.116000 2.108000 5.208500 14.154500	25.10 22.20 23.70 20.80 18.50 21.80	11.4 11.5 11.6 11.7 11.8 11.9	46	23.8 22.3 25.2	AV AV AV	N N N N N	GND GND GND GND GND GND
MEASUREMENT	RESULT	: "A-91	04_fin	1"			
2016-8-15 9: Frequency MHz			Limit dBµV	_	Detector	Line	PE
0.434000 0.652000 1.280000 3.345500 9.668000 11.531000	40.70 34.50 29.60 36.40 36.40 36.30	11.4 11.5 11.6 11.7 11.9	57 56 56 56 60 60	21.5	QP QP QP	L1 L1 L1 L1 L1	GND GND GND GND GND GND
MEASUREMENT	RESULT	: "A-91	04_fin	12"			
2016-8-15 9: Frequency MHz	24 Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.434000 0.652000 1.280000 3.345500 9.668000 11.531000	33.50 26.60 22.60 22.90 22.30 23.70	11.4 11.5 11.6 11.7 11.9	47 46 46 46 50	13.7 19.4 23.4 23.1 27.7 26.3	AV AV AV AV AV	L1 L1 L1 L1 L1	GND GND GND GND GND GND



Test mode : TX	(240V/6	60HZ)					
MEASUREMENT	RESULT	: "A-91	02 fin	ı "			
2016-8-15 9:	17		_				
Frequency MHz		Transd dB	Limit dBµV	1 37 5 5 5 5	Detector	Line	PE
0.376000 0.434000 0.746000 2.112500 5.213000 9.555500	30.40	11.8	57 56	18.8 22.5 26.3 29.6	QP QP QP	N N N N N	GND GND GND GND GND GND
MEASUREMENT	RESULT	: "A-91	02_fin	2"			
2016-8-15 9:	17						
Frequency					Detector	Line	PE
0.376000 0.434000 0.746000 2.112500 5.213000 9.555500	24.90 26.80 22.70 19.70 16.80 16.50	11.2 11.4 11.5 11.7 11.8 11.9	47 46 46 50	20.4 23.3 26.3	AV AV AV	N N N N N	GND GND GND GND GND GND
MEASUREMENT	RESULT	: "A-91	01 fin	1"			
2016-8-15 9:	13		_				
Frequency					Detector	Line	PE
0.368000 0.436000 0.492000 1.260000 3.597500 9.317000	41.50 44.40 39.30 33.80 38.30 37.90	11.4 11.5 11.6 11.7		12.7 16.8 22.2 17.7	QP QP QP QP	L1 L1 L1 L1 L1 L1	GND GND GND GND GND GND
MEASUREMENT	RESULT	: "A-91	01 fin	12"			
2016-8-15 9:			_				
Frequency MHz			Limit dBµV	Margin dB	Detector	Line	PE
0.368000 0.434000 0.492000 1.260000 3.597500 9.317000	33.60 37.30 32.10 25.90 27.90 22.60	11.2 11.4 11.5 11.6 11.7	49 47 46 46 46 50	14.9 9.9 14.0 20.1 18.1 27.4	AV	L1 L1 L1 L1 L1	GND GND GND GND GND GND

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectral diagrams are attached as below.



CONDUCTED EMISSION STANDARD FCC PART 15B

PAPiD Keypad GEN III M/N:HOM070

Manufacturer: Hornady

Operating Condition: ON

Test Site: 2#Shielding Room

Operator: star

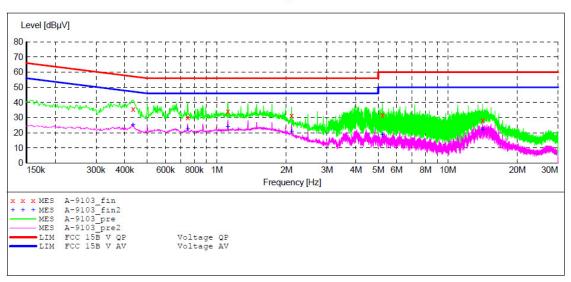
Test Specification: N 120V/60Hz

Comment: Report No.: ATE20161724 Start of Test: 2016-8-15 / 9:18:07

SCAN TABLE: "V 150K-30MHz fin"
Short Description: _SUB_STD_VTERM2 1.70 Short Description:

Detector Meas. IF Transducer
Time Bandw.
QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5) Start Stop Step Frequency Frequency Width 150.0 kHz 30.0 MHz 4.5 kHz

Average

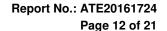


MEASUREMENT RESULT: "A-9103 fin"

2016-8-15 9: Frequency MHz	20 Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.434000 0.748000 1.116000 2.108000 5.208500 14.154500	35.50 30.30 33.90 31.40 31.60 28.20	11.4 11.5 11.6 11.7 11.8 11.9	57 56 56 56 60	21.7 25.7 22.1 24.6 28.4 31.8	QP QP QP QP QP QP	N N N N N	GND GND GND GND GND GND

MEASUREMENT RESULT: "A-9103 fin2"

2016-8-15 9 Frequency MHz	Level dBμV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.434000 0.748000 1.116000 2.108000 5.208500 14.154500	25.10 22.20 23.70 20.80 18.50 21.80	11.4 11.5 11.6 11.7 11.8 11.9	47 46 46 46 50	22.1 23.8 22.3 25.2 31.5 28.2	AV AV AV AV AV	N N N N N	GND GND GND GND GND GND





CONDUCTED EMISSION STANDARD FCC PART 15B

PAPiD Keypad GEN III M/N:HOM070

Hornady Manufacturer:

Operating Condition: ON

Test Site: 2#Shielding Room

Operator: star

Test Specification: L 120V/60Hz

Comment: Report No.:ATE20161724 Start of Test: 2016-8-15 / 9:21:05

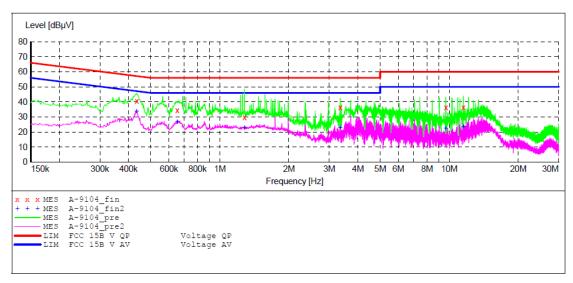
SCAN TABLE: "V 150K-30MHz fin"

_SUB_STD_VTERM2 1.70

CAN TABLE: v ___ Short Description: Detector Meas. IF Transducer Time Bandw.

Frequency Frequency Width 150.0 kHz 30.0 MHz 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN(ESH3-Z5)

Average



MEASUREMENT RESULT: "A-9104 fin"

2016-8-15 9: Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.434000	40.70	11.4	57	16.5	QP	L1	GND
0.652000	34.50	11.5	56	21.5	QP	L1	GND
1.280000	29.60	11.6	56	26.4	QP	L1	GND
3.345500	36.40	11.7	56	19.6	QP	L1	GND
9.668000	36.40	11.9	60	23.6	QP	L1	GND
11.531000	36.30	11.9	60	23.7	QP	L1	GND

MEASUREMENT RESULT: "A-9104 fin2"

2016-8-15 9: Frequency MHz	24 Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.434000	33.50	11.4	47	13.7	AV	L1	GND
0.652000	26.60	11.5	46	19.4	AV	L1	GND
1.280000	22.60	11.6	46	23.4	AV	L1	GND
3.345500	22.90	11.7	46	23.1	AV	L1	GND
9.668000	22.30	11.9	50	27.7	AV	L1	GND
11.531000	23.70	11.9	50	26.3	AV	L1	GND



CONDUCTED EMISSION STANDARD FCC PART 15B

PAPiD Keypad GEN III M/N:HOM070

Manufacturer: Hornady

Operating Condition: ON

Test Site: 2#Shielding Room

Operator: star

Test Specification: N 240V/60Hz

Report No.:ATE20161724 Comment: Start of Test: 2016-8-15 / 9:14:32

SCAN TABLE: "V 150K-30MHz fin"

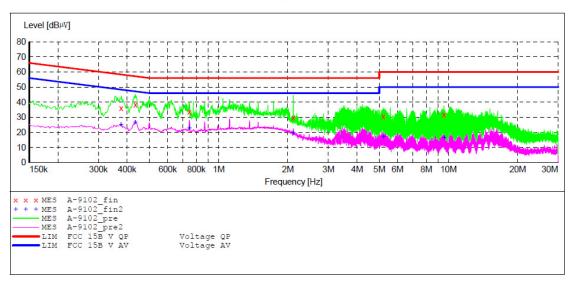
_SUB_STD_VTERM2 1.70 Short Description:

Start Stop Step Detector Meas. IF Transducer

Time Bandw.

Frequency Frequency Width 150.0 kHz 30.0 MHz 4.5 kH 4.5 kHz QuasiPeak 1.0 s 9 kHz LISN (ESH3-Z5)

Average



MEASUREMENT RESULT: "A-9102 fin"

2016-8-15	9:17						
Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.376000	36.10	11.2	58	22.3	QP	N	GND
0.434000	38.40	11.4	57	18.8	QP	N	GND
0.746000	33.50	11.5	56	22.5	QP	N	GND
2.112500	29.70	11.7	56	26.3	QP	N	GND
5.213000	30.40	11.8	60	29.6	OP	N	GND
9.555500	31.70	11.9	60	28.3	QP	N	GND

MEASUREMENT RESULT: "A-9102 fin2"

2016-8-15 9:1	17						
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dΒμV	dB	dΒμV	dB			
0.376000	24.90	11.2	48	23.5	AV	N	GND
0.434000	26.80	11.4	47	20.4	AV	N	GND
0.746000	22.70	11.5	46	23.3	AV	N	GND
2.112500	19.70	11.7	46	26.3	AV	N	GND
5.213000	16.80	11.8	50	33.2	AV	N	GND
9.555500	16.50	11.9	50	33.5	AV	N	GND





CONDUCTED EMISSION STANDARD FCC PART 15B

PAPiD Keypad GEN III M/N:HOM070 EUT:

Hornady Manufacturer:

Operating Condition: ON

Test Site: 2#Shielding Room

Operator: star

Test Specification: L 240V/60Hz

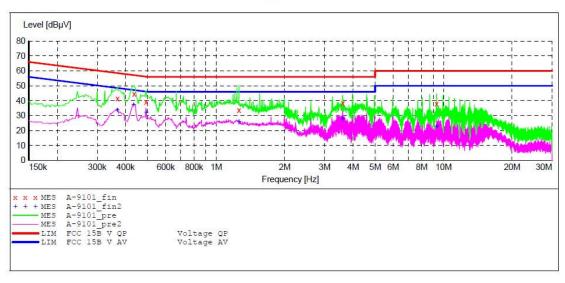
Comment: Report No.:ATE20161724 Start of Test: 2016-8-15 / 9:11:17

SCAN TABLE: "V 150K-30MHz fin"

_____SUB_STD_VTERM2 1.70 Short Description:

Step Start Stop Detector Meas. IF Transducer Frequency Frequency Width 150.0 kHz 30.0 MHz 4.5 kHz Time QuasiPeak 1.0 s Bandw. 9 kHz LISN(ESH3-Z5)

Average



MEASUREMENT RESULT: "A-9101 fin"

2016-8-15 9:	13						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.368000	41.50	11.2	59	17.0	QP	L1	GND
0.436000	44.40	11.4	57	12.7	QP	L1	GND
0.492000	39.30	11.5	56	16.8	QP	L1	GND
1.260000	33.80	11.6	56	22.2	QP	L1	GND
3.597500	38.30	11.7	56	17.7	QP	L1	GND
9.317000	37.90	11.9	60	22.1	QP	L1	GND

MEASUREMENT RESULT: "A-9101 fin2"

2016-8-15 9:	13						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.368000	33.60	11.2	49	14.9	AV	L1	GND
0.434000	37.30	11.4	47	9.9	AV	L1	GND
0.492000	32.10	11.5	46	14.0	AV	L1	GND
1.260000	25.90	11.6	46	20.1	AV	L1	GND
3.597500	27.90	11.7	46	18.1	AV	L1	GND
9.317000	22.60	11.9	50	27.4	AV	L1	GND



4. RADIATED EMISSION MEASUREMENT

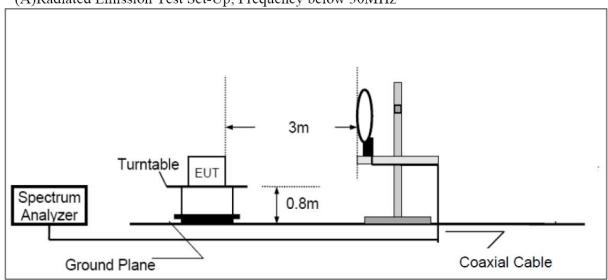
4.1.For Radiated Emission Measurement

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.
						Interval
1.	Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 9, 2016	1 Year
2.	Test Receiver	Rohde &	ESCS30	100307	Jan. 9, 2016	1 Year
		Schwarz				
3.	Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 14, 2016	1 Year
4.	Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 14, 2016	1 Year
5.	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 14, 2016	1 Year
6.	50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	Jan. 9, 2016	1 Year
12.	Pre-Amplifier	Rohde & Schwarz	CBLU11835	3791	Jan. 9, 2016	1 Year
	_		40-01			

Expanded Uncertainty (9kHz-30MHz): U=3.08dB, k=2 Expanded Uncertainty (30MHz-1000MHz): U=4.42dB, k=2 Expanded Uncertainty (Above 1GHz): U=4.06dB, k=2

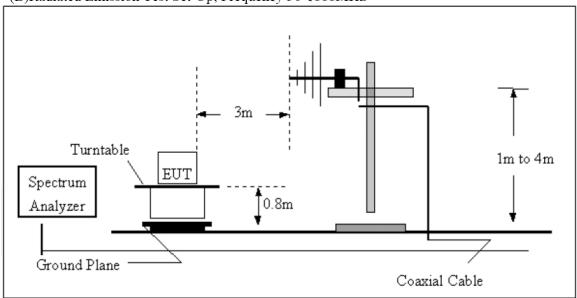
4.2.TEST CONFIGURATION

(A)Radiated Emission Test Set-Up, Frequency below 30MHz





(B)Radiated Emission Test Set-Up, Frequency 30-1000MHz



4.3.Block Diagram of Test Setup

4.3.1. Block diagram of connection between the EUT and simulators



4.4.Radiated Emission Limit

Frequency	Field Streng Limitation		Field Strength Limitation at 3m Measurement Dist				
(MHz)	(uV/m)	Dist	(uV/m)	(dBuV/m)			
0.009 - 0.490	9 – 0.490 2400 / F(KHz) 300		10000 * 2400/F(KHz)	20log 2400/F(KHz) + 80			
0.490 - 1.705	24000 / F(KHz)	30m	100 * 24000/F(KHz)	20log 24000/F(KHz) + 40			
1.705 - 30.00	30	30m	100* 30	20log 30 + 40			
30.0 - 88.0	0.0 – 88.0 100		100	20log 100			
88.0 – 216.0	150	3m	150	20log 150			
216.0 - 960.0	200		200	20log 200			
Above 960.0			500	20log 500			

Limit: 2400/125=19.2uV/m@300m

Distance Correction Factor=40log(test distance/specific distance)

4.5.EUT Configuration on Measurement

The equipment is installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.



Report No.: ATE20161724

Page 17 of 21

4.6. Operating Condition of EUT

- 4.6.1. Setup the EUT and simulator as shown as Section 4.2.
- 4.6.2. Turn on the power of all equipment.
- 4.6.3.Let the EUT work in test mode and measure it.

4.7.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2014 on radiated emission measurement.

From 9kHz to 30MHz at distance 3m The EUT was rotated a full revolution in order to obtain the maximum value of the electric field intensity.

From 30MHz to 1000MHz at distance 3m The measuring antenna height varied between 1 and 4m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field intensity. The measurements were performed for both vertical and horizontal antenna polarization.

The final measurement will be performed with an EMI Receiver set to Quasi Peak detector for the frequency bands 9kHz to 90kHz and 110 to 490 kHz where an average detector will be used according to Section 15.209(d)(2).

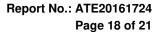
The final level, expressed in dBuV/m, is arrived at by taking the reading from the EMI receiver(Level dBuV) and adding the antenna correction factor and cable loss factor(Factor dB) to it. This result then has to be compared with the relevant FCC limit. The resolution bandwidth during the measurement is as follows:

9kHz – 150kHz: ResBW:200Hz 150kHz – 30MHz: ResBW:9kHz

The bandwidth of the EMI test receiver (R&S ESCS30) is set at 120kHz from 30MHz to 1000MHz.

4.8. Radiated Emission Noise Measurement Result

PASS.

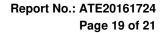




From 9 kHz to 30MHz

Frequency (MHz)	Quasi Peak (dBμV/m)	Azimuth	Polarity (H/V)	Factors (dBμV/m)	Limit (dBμV/m)	Margin (dB)
0.125	72.58	147	Н	-56.36	105.7	-33.12
2.02	38.74	34	Н	-54.15	69.5	-30.76
14.25	39.25	210	Н	-53.01	69.5	-30.25
0.125	74.44	220	V	-56.36	105.7	-31.26
3.68	43.51	320	V	-51.27	69.5	-25.99
17.35	34.77	54	V	-51.25	69.5	-34.73

Part 15 Section 15.31(f)(2) (9kHz-30MHz) Limit at 3m=Limit at 300m-40*log(300(m)/3(m)) Limit at 3m=Limit at 30m-40*log(30(m)/3(m))







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Job No.: STAR2016 #1731

Standard: FCC Class B 3M Radiated

Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %

EUT: PAPID Keypad GEN III

Mode: TX
Model: HOM070
Manufacturer: Hornady

Note: Report No.:ATE20161724

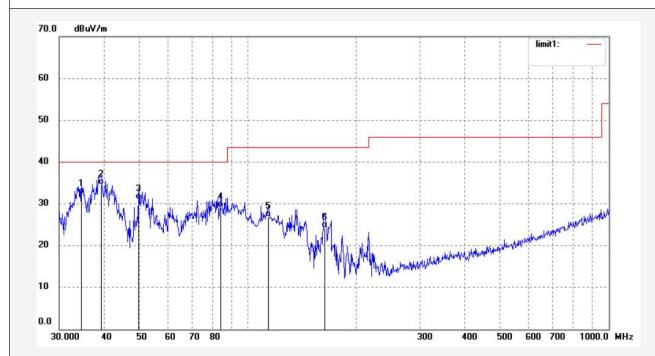
Polarization: Vertical

Power Source: AC 120V/60Hz

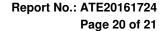
Date: 16/08/15/ Time: 9/14/33

Engineer Signature: star

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	34.5270	49.67	-17.43	32.24	40.00	-7.76	QP			
2	39.3204	53.51	-18.88	34.63	40.00	-5.37	QP			
3	49.7571	51.74	-20.65	31.09	40.00	-8.91	QP			
4	84.2839	51.66	-22.48	29.18	40.00	-10.82	QP			
5	114.0184	48.06	-21.16	26.90	43.50	-16.60	QP			
6	163.7366	45.22	-20.95	24.27	43.50	-19.23	QP			







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Job No.: STAR2016 #1732

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 % EUT: PAPiD Keypad GEN III

Mode: TX

Model: HOM070 Manufacturer: Hornady

Note: Report No.:ATE20161724

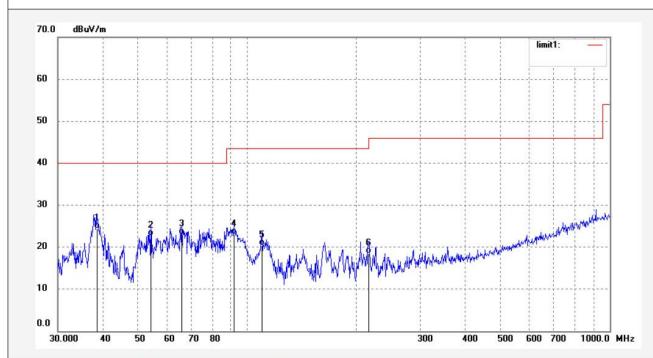
Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 16/08/15/ Time: 9/18/55

Engineer Signature: star

Distance: 3m



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	38.5001	43.10	-18.63	24.47	40.00	-15.53	QP			
2	54.1349	43.58	-20.89	22.69	40.00	-17.31	QP			
3	65.9067	45.74	-22.71	23.03	40.00	-16.97	QP			
4	92.0223	44.69	-21.75	22.94	43.50	-20.56	QP			
5	109.6957	41.55	-21.10	20.45	43.50	-23.05	QP			
6	216.1197	36.84	-18.42	18.42	46.00	-27.58	QP			



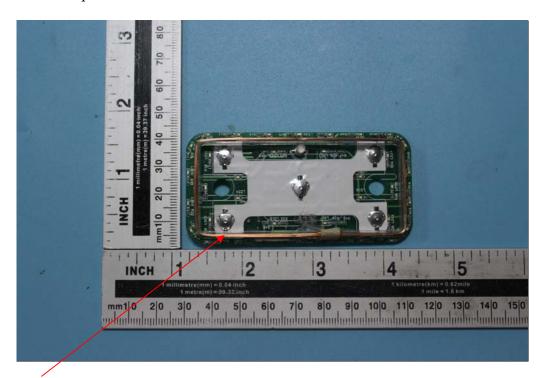
5. ANTENNA REQUIREMENT

5.1.The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

5.2. Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. The Antenna gain of EUT is 3dBi. Therefore, the equipment complies with the antenna requirement of Section 15.203.



Antenna