



Report No.: TW2011170-03E File Reference No.: 2020-11-26

Applicant: Qingdao Hisense Intelligent Commercial System Co. Ltd

Product: Tablet POS

Model No.: HM626R, HM626

Trademark: N/A

Test Standards: FCC Part 15.247

Test Result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10, FCC Part 15.247 for

the evaluation of electromagnetic compatibility

Approved By

Jack Chung

Manager

Dated: November 26, 2020

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

## SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com

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## **Special Statement:**

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAL. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

#### **CNAS-LAB Code: L2292**

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

## FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

## Industry Canada (IC) — Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

#### **A2LA** (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

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## Test Report Conclusion

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#### 1.0 General Details

#### 1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

## 1.2 Applicant Details

Applicant: Qingdao Hisense Intelligent Commercial System Co. Ltd

Address: 399 Songling Road, Laoshan, Qingdao, Shandong

Telephone: -Fax: --

#### 1.3 Description of EUT

Product: Tablet POS

Manufacturer: Qingdao Hisense Intelligent Commercial System Co. Ltd

Address: 399 Songling Road, Laoshan, Qingdao, Shandong

Brand Name: N/A
Additional Brand Name: N/A

Model Number: HM626R

Additional Model Number: HM626 Hardware Version: WTR288C1 REV:1.2 Software Version: V1.01.KB09.HM626R

Type of Modulation GFSK (Bluetooth BLE)

Frequency range 2402-2480MHz Frequency Selection By software

Channel Number 40 Input Voltage: DC5V

Battey: DC3.8V, 11000mAh Li-ion battery

Power Supply: Model: PG241-12020001; Input: 100-240V~, 50/60Hz, 0.8A;

(for simple base) Output: 12.0V 2.0A,24W

Power Supply: Model: FSP090-AAAN3; Input: 100-240V~, 50-60Hz, 1.2A;

(for multi-functional Output: DC24.0V, 3.75A,90W

base)

## 1.4 Submitted Sample: 1 Samples

The report refers only to the sample tested and does not apply to the bulk.

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1.5 Test Duration

2020-11-12 to 2020-11-26

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty =6.0dB

Occupied Channel Bandwidth Uncertainty =5%

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

Terry Tang

The sample tested by

Print Name: Terry Tang

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2020-06-23	2021-06-22
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2020-06-23	2021-06-22
Loop Antenna	EMCO	6507	00078608	2018-06-25	2021-06-24
Spectrum	R&S	FSIQ26	100292	2020-06-23	2021-06-22
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2019-06-21	2021-06-20
Horn Antenna	R&S	BBHA 9120D	9120D-631	2018-07-09	2021-07-08
Power meter	Anritsu	ML2487A	6K00003613	2020-06-23	2021-06-22
Power sensor	Anritsu	MA2491A	32263	2020-06-23	2021-06-22
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2018-07-04	2021-07-03
9*6*6 Anechoic			N/A	2018-02-07	2021-02-06
EMI Test Receiver	RS	ESVB	826156/011	2020-06-23	2021-06-22
EMI Test Receiver	RS	ESH3	860904/006	2020-06-23	2021-06-22
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2020-06-23	2021-06-22
Spectrum	HP/Agilent	E4407B	MY50441392	2020-06-23	2021-06-22
Spectrum	RS	FSP	1164.4391.38	2020-01-16	2021-01-15
RF Cable	7h an adi	ZT26-NJ-NJ-8		2020-06-23	2021-06-22
Kr Cable	Zhengdi	M/FA	-		
RF Cable	Zhengdi	7m	-	2020-06-23	2021-06-22
RF Switch	EM	EMSW18	060391	2020-06-23	2021-06-22
Pre-Amplifier	Schwarebeck	BBV9743	#218	2020-06-23	2021-06-22
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2020-06-23	2021-06-22
LISN	SCHAFFNER	NNB42	00012	2020-01-06	2021-01-07

## 2.2 Automation Test Software

## For Conducted Emission Test

Name	Version	
EZ-EMC	Ver.EMC-CON 3A1.1	

## For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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#### 3.0 Technical Details

## 3.1 Summary of test results

The EUT has been tested ac	cording to the following speci	ifications:				
Standard	Test Type	Result	Notes			
FCC Part 15, Paragraph 15.107 & 15.207	Conducted Emission Test	PASS	Complies			
FCC Part 15 Subpart C Paragraph 15.247(a)(2) Limit	Spectrum bandwidth of a Orthogonal Frequency Division Multiplex System Limit: 6dB bandwidth>500kHz	PASS	Complies			
FCC Part 15, Paragraph 15.247(b)	Maximum peak output power Limit: max. 30dBm	PASS	Complies			
FCC Part 15, Paragraph 15.109,15.205 & 15.209	Transmitter Radiated Emission Limit: Table 15.209	PASS	Complies			
CCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm	PASS	Complies			
FCC Part 15, Paragraph 15.247(d)	Out of Band Emission and Restricted Band Radiation Limit: 20dB less than peak value of fundamental frequency Restricted band limit: Table 15.209	PASS	Complies			

Note: the multi-functional base and simple base were tested and only the worst case was reported. The multi-functional base was the worst case.

## 3.2 Test Standards

FCC Part 15 Subpart & Subpart C, Paragraph 15.247

## 4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

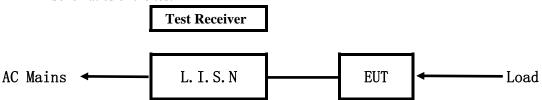
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#### **5.Power Line Conducted Emission Test**

#### 5.1 Schematics of the test

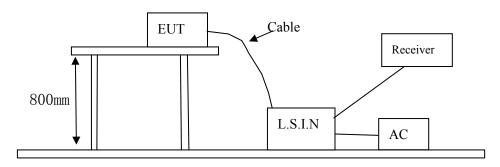


**EUT: Equipment Under Test** 

#### 5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10 –2013.

Test Voltage: DC3.8V, 60Hz Block diagram of Test setup



#### 5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

## A. EUT

Device	Manufacturer		Model	FCC ID
Tablet POS		Qingdao Hisense Intelligent	HM626R,	GQK-HM626
Tat	net FOS	Commercial System Co. Ltd	HM626	GQK-IIWI020

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#### B. Internal Device

Device	Manufacturer	Model	Rating

## C. Peripherals

Device	Manufacturer	Model	Rating

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

### 5.5 Power line conducted Emission Limit according to Paragraph 15.207

Frequency	Class B Limits (dB $\mu$ V)				
(MHz)	Quasi-peak Level	Average Level			
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*			
$0.50 \sim 5.00$	56.0	46.0			
5.00 ~ 30.00	60.0	50.0			

Notes:

- 1. \*Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

#### 5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

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## A: Conducted Emission on Live Terminal (150kHz to 30MHz)

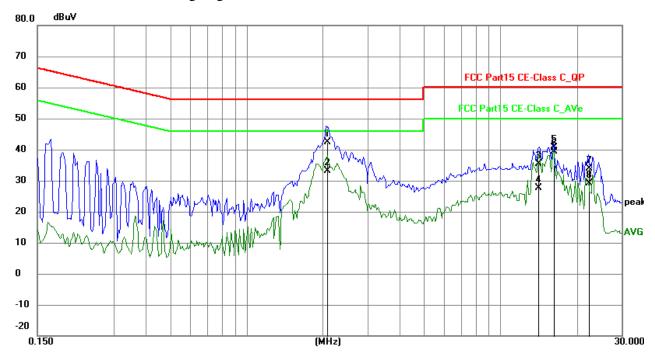
## **EUT Operating Environment**

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Keep Bluetooth Transmitting** 

**Results: PASS** 

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	2.0659	32.48	9.80	42.28	56.00	-13.72	QP	Р
2	2.0659	23.29	9.80	33.09	46.00	-12.91	AVG	Р
3	14.0629	25.08	10.34	35.42	60.00	-24.58	QP	Р
4	14.0629	17.40	10.34	27.74	50.00	-22.26	AVG	Р
5	16.1664	30.20	10.45	40.65	60.00	-19.35	QP	Р
6	16.1664	29.03	10.45	39.48	50.00	-10.52	AVG	Р
7	22.2114	23.07	10.82	33.89	60.00	-26.11	QP	Р
8	22.2114	18.39	10.82	29.21	50.00	-20.79	AVG	Р

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## B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

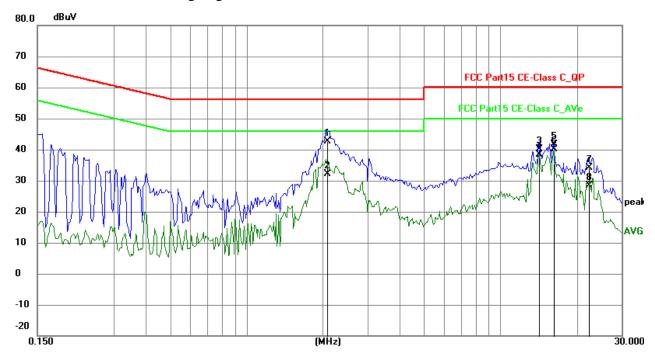
## **EUT Operating Environment**

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 KPa

**EUT set Condition: Keep Bluetooth Transmitting** 

**Results: Pass** 

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	2.0659	32.73	9.80	42.53	56.00	-13.47	QP	Р
2	2.0659	22.29	9.80	32.09	46.00	-13.91	AVG	Р
3	14.2125	29.69	10.35	40.04	60.00	-19.96	QP	Р
4	14.2125	28.08	10.35	38.43	50.00	-11.57	AVG	Р
5	16.2288	31.19	10.45	41.64	60.00	-18.36	QP	Р
6	16.2288	29.76	10.45	40.21	50.00	-9.79	AVG	Р
7	22.2114	23.31	10.82	34.13	60.00	-25.87	QP	Р
8	22.2114	17.68	10.82	28.50	50.00	-21.50	AVG	Р

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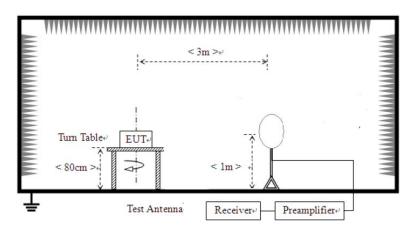


#### 6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No.744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=1MHz VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "**QP**" in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

#### **Block diagram of Test setup**

For radiated emissions from 9kHz to 30MHz

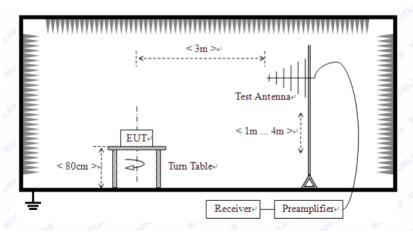


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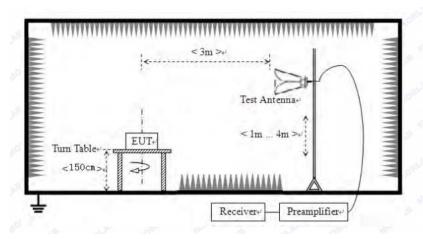
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT
  Same as section 5.3 of this report
- 6.3 EUT Operating Condition

  Same as section 5.4 of this report.
- 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

Frequencies in restricted band are complied to limit on Paragraph 15.209

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Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
- 2. In the Above Table, the higher limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

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#### Test result

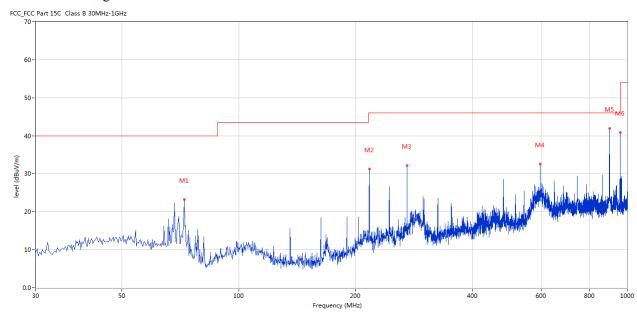
## General Radiated Emission Data and Harmonics Radiated Emission Data

#### Radiated Emission In Horizontal (30MHz----1000MHz)

**EUT set Condition:** Keep Bluetooth Transmitting

**Results:** Pass

## Test Figure:



No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)			(cm)		
1	72.427	23.23	-16.69	40.0	-16.77	Peak	21.00	100	Horizontal	Pass
2	216.921	31.21	-13.51	46.0	-14.79	Peak	9.00	100	Horizontal	Pass
3	271.227	32.17	-11.72	46.0	-13.83	Peak	0.00	100	Horizontal	Pass
4	596.823	32.58	-5.11	46.0	-13.42	Peak	17.00	100	Horizontal	Pass
5	900.115	42.96	-1.86	46.0	-3.04	Peak	21.00	100	Horizontal	Pass
6	959.998	41.36	-1.63	46.0	-4.64	Peak	0.00	100	Horizontal	Pass

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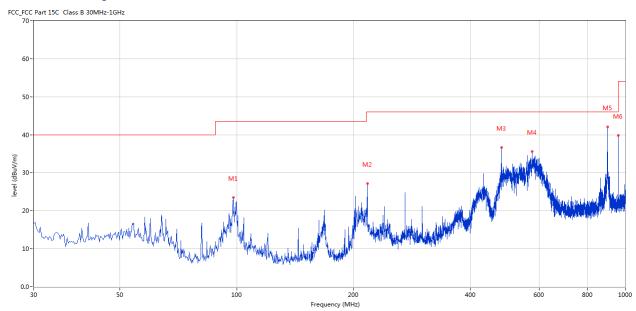
# Test result General Radiated Emission Data and Harmonics Radiated Emission Data

## Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: **Keep Transmitting** 

**Results:** Pass

## Test Figure:



No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)			(cm)		
1	97.883	23.43	-13.75	43.5	-20.07	Peak	0.00	100	Vertical	Pass
2	216.921	27.21	-13.51	46.0	-18.79	Peak	17.00	100	Vertical	Pass
3	479.968	36.69	-7.40	46.0	-9.31	Peak	0.00	100	Vertical	Pass
4	575.974	35.65	-5.83	46.0	-10.35	Peak	5.00	100	Vertical	Pass
5	900.115	42.03	-1.86	46.0	-3.97	Peak	25.00	100	Vertical	N/A
6	959.998	39.83	-1.63	46.0	-6.17	Peak	1.00	100	Vertical	Pass

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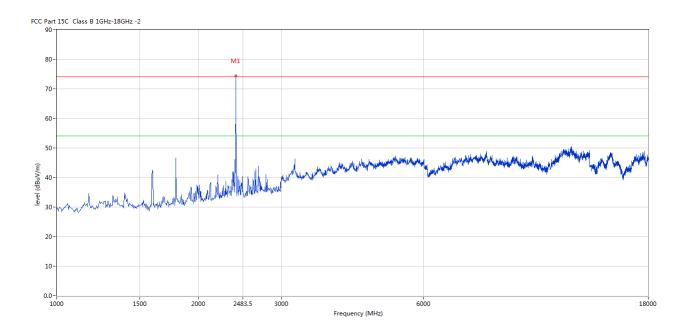
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## Test Figures above 1GHz:

Please refer to the following test plots for details:

#### **Low Channel: Vertical**



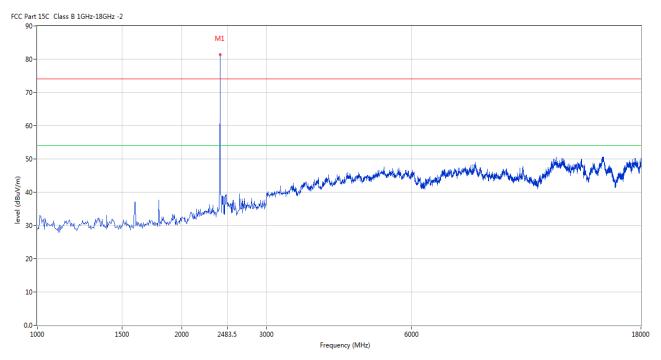
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## **Low Channel: Horizontal**



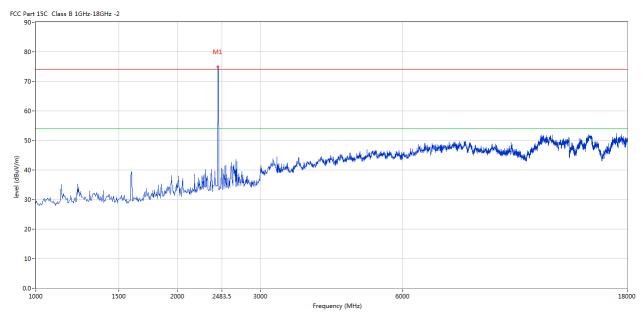
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#### Middle Channel: Vertical



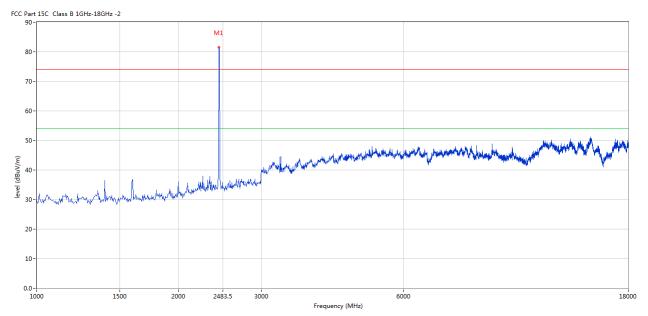
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#### **Middle Channel: Horizontal**



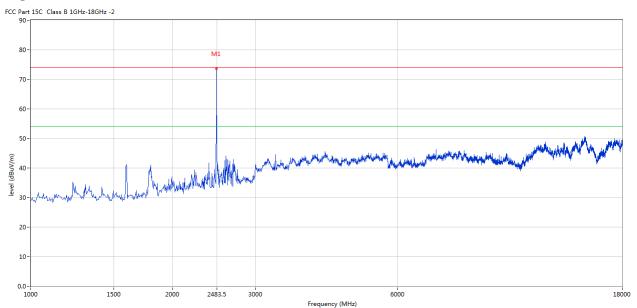
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## **High Channel: Vertical**

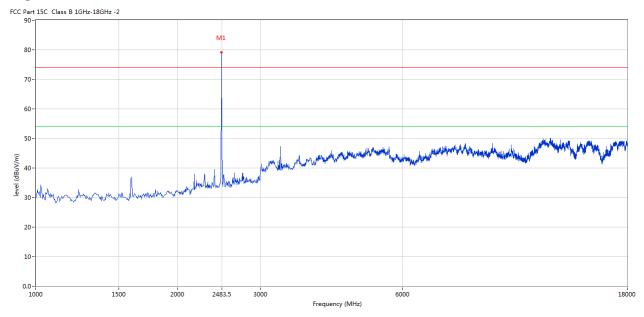


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## **High Channel: Horizontal**



Note: 1. Level = Reading + AF + Cable - Preamp

- 2. For the radiated emissions above 18G and below 30MHz, it is the floor noise.
- 3. The measured PK value less than the AV limit, no necessary to take down the AV measurement result.

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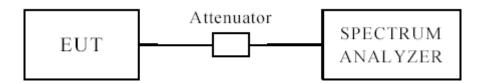
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## 7.0 6dB Bandwidth Measurement

## 7.1 Test Setup



#### 7.2 Limits of 6dB Bandwidth Measurement

The minimum of 6dB Bandwidth Measurement is >500 kHz

## 7.3 Test Procedure

- 1. Set resolution bandwidth (RBW) = 100 kHz
- 2. Set the video bandwidth (VBW)  $\geq$  3 x RBW.
- 3. Detector = Peak.
- 4. Trace mode =  $\max$  hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

#### 7.4 Test Result

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#### 6dB BW

Jub D II						
EUT	Tablet	POS	Model			HM626R
Mode	Keep Tran	smitting Input Vol		oltage o		DC3.8V
Temperati	ure 24 de	g. C,	Humidity			56% RH
Channel	Channel Frequency (MHz)		andwidth Hz)	М	inimum Limit (MHz)	Pass/ Fail
Low	2402	6	97		0.5	Pass
Middle	2440	6	97		0.5	Pass
High	2480	6	97		0.5	Pass

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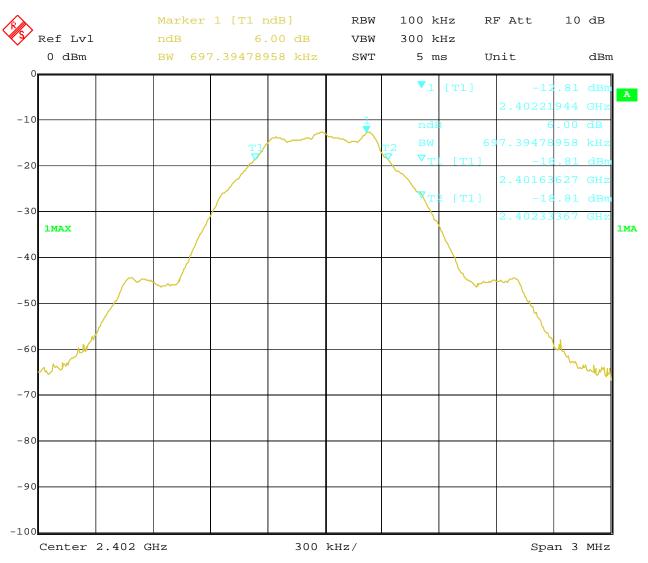
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## Test Figure:

## 1. Condition: Low Channel



Date: 25.NOV.2020 15:07:20

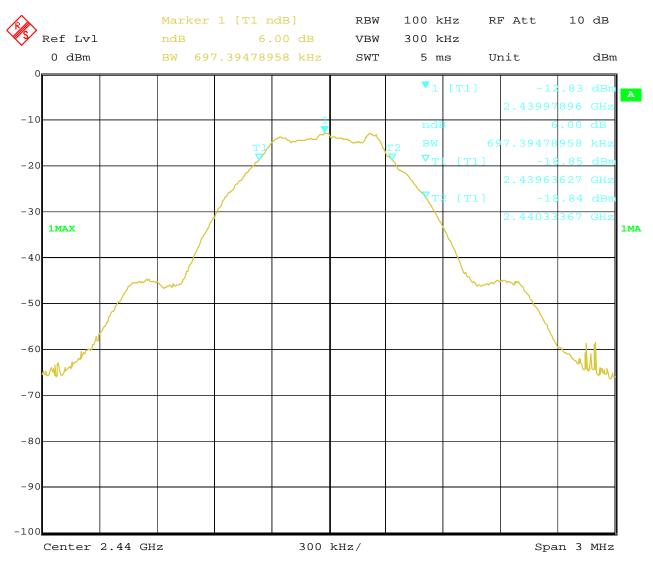
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#### 2. Condition: Middle Channel



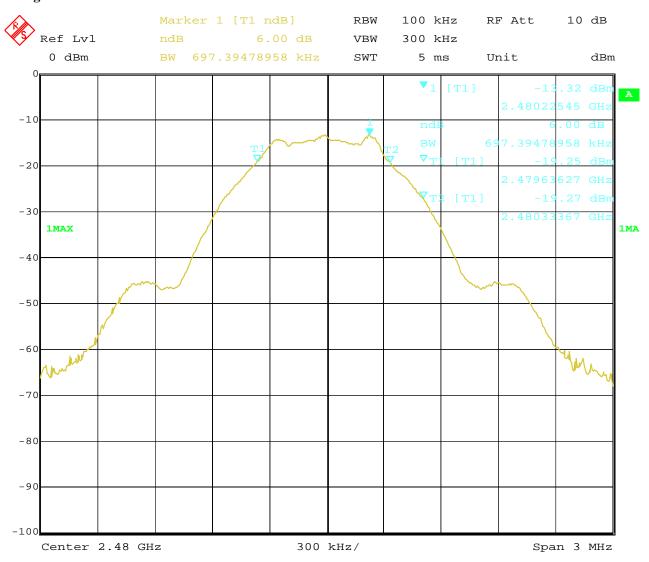
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## 3. High Channel



Date: 25.NOV.2020 15:08:43

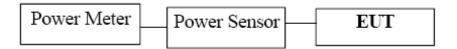
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## 8. Maximum Output Power

## 8.1 Test Setup



#### 8.2 Limits of Maximum Output Power

The Maximum Output Power Measurement is 30dBm.

#### **8.3 Test Procedure**

The RF power output was measured with a Power meter connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: the Peak power were measured.

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#### **8.4Test Results**

EUT		Tablet PC	OS	Model		HM626	R
Mode			itting Input Voltage		DC3.8V		
Temperatu	re	24 deg. (	Ξ,	Humidity		56% RI	H
Channel	Cł	nannel Frequency	Max	x. Power Output (dB)	m)	Peak Power Limit	Pass/ Fail
Chamer		(MHz)		Peak		(dBm)	
Low		2402		-10.73		30	Pass
Middle		2440		-10.63		30	Pass
High		2480		-11.15		30	Pass

Note: 1. the result basic equation calculation as follow:

Max. Power Output = Power Reading + Cable loss + Attenuator

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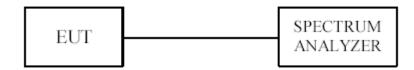
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## 9. Power Spectral Density Measurement

## 9.1 Test Setup



#### 9.2 Limits of Power Spectral Density Measurement

The Maximum Power Spectral Density Measurement is 8dBm.

#### 9.3 Test Procedure

- 1. Use this procedure when the maximum peak conducted output power in the fundamental emission is used to demonstrate compliance.
- 2. Set the RBW = 10 kHz.
- 3. Set the VBW  $\geq$  30 kHz.
- 4. Set the span to 1.5 times the DTS channel bandwidth.
- 5. Detector = peak.
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.
- 10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.
- 11. The resulting peak PSD level must be  $\leq 8$  dBm.

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#### 9.4Test Result

EUT			Tablet POS		Model	HN	M626R
Mode		Ke	eep Transmitting		Input	DC3.8V	
					Voltage		
Temperat	ure		24 deg. C,		Humidity	56	% RH
Channel	Re	Power ading	Cable Loss (dB)	Final Po Densit	wer Spectral ty (dBm)	Maximum Limit (dBm)	Pass/ Fail
Low	-2	1.99	0.2	-	21.79	8	Pass
Middle	-2	22.07	0.2	-:	21.87	8	Pass
High	-2	22.63	0.2	=;	22.43	8	Pass

Note: The result basic equation calculation as follow:

Peak Power Output = Peak Power Reading + Cable loss

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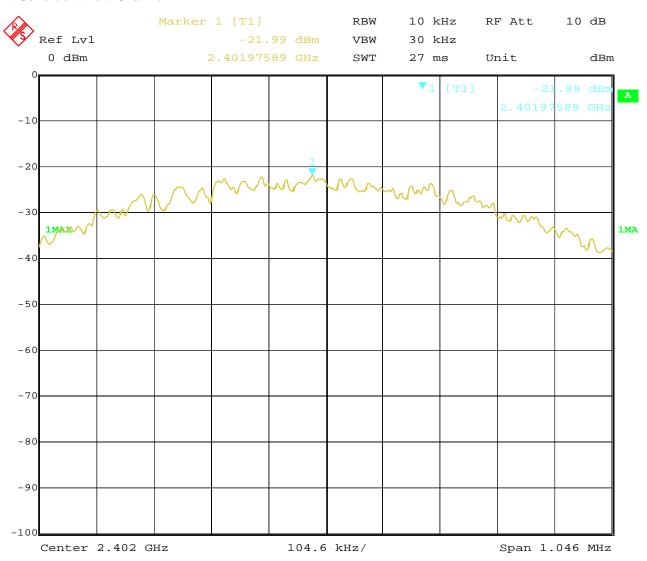
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## Test Figure:

## 1. Condition: Low Channel



Date: 25.NOV.2020 15:25:47

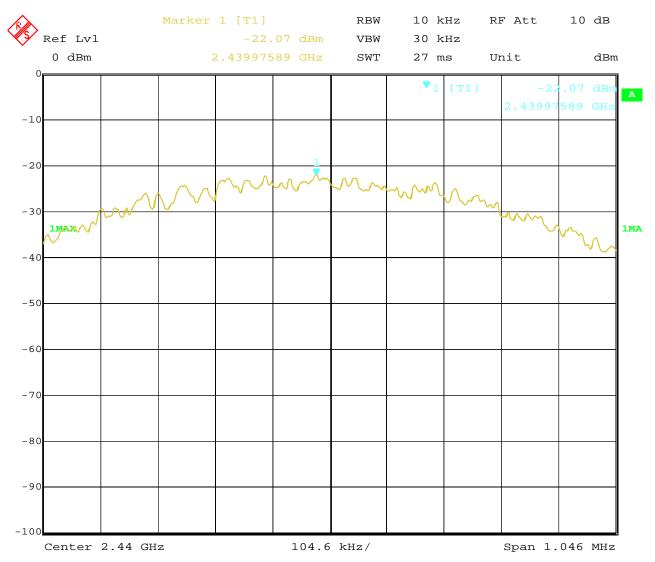
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#### 2. Condition: Middle Channel



Date: 25.NOV.2020 15:26:23

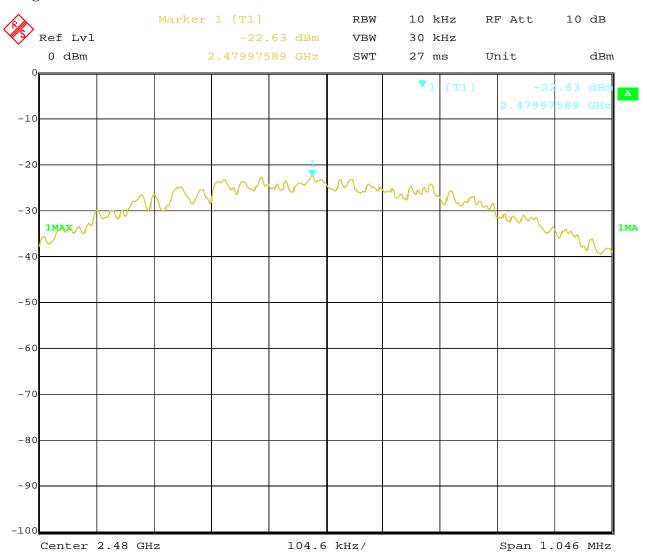
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## 3. High Channel



Date: 25.NOV.2020 15:26:54

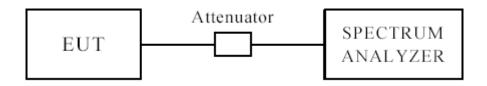
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## 10 Out of Band Measurement 10.1 Test Setup for band edge



The restricted band requirement based on radiated emission test; please see the clause 6 for the test setup

#### 10.2 Limits of Out of Band Emissions Measurement

- 1. Below –20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).
- 2. Fall in the restricted bands listed in section 15.205. The maximum permitted average field strength is listed in section 15.209.

#### **10.3 Test Procedure**

For signals in the restricted bands above and below the 2.4-2.483GHz allocated band a measurement was made of Radiated emission test. (Peak values with RBW=1MHz, VBW=3MHz and PK detector. AV value with RBW=1MHz, VBW=3MHz and RMS detector)

For bandage test, the spectrum set as follows: RBW=100 kHz, VBW=300 kHz. A conducted measurement used

#### 10.4 Test Result

Please see next pages

Note: 1. For band-edge measurement, the frequency from 30MHz-25GHz was tested. And It met the FCC rule. 2. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

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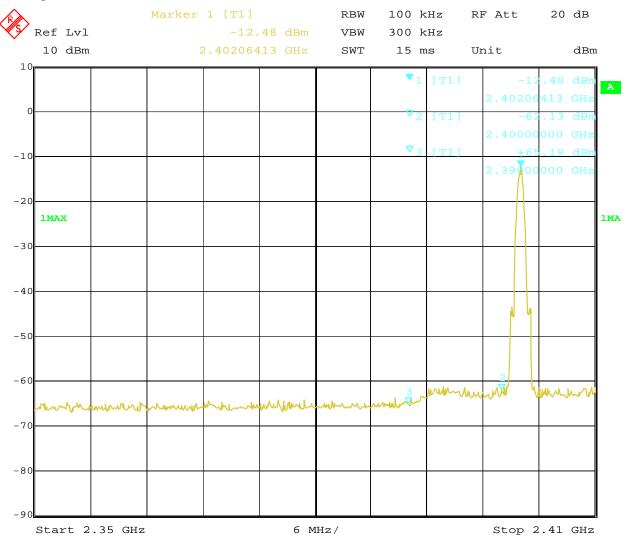
Date: 2020-11-26



#### **10.4** Band-edge Measurement

EUT	Tablet POS	Model	HM626R
Mode	Keep Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

## **Test Figure:**



Date: 1.DEC.2020 14:53:16

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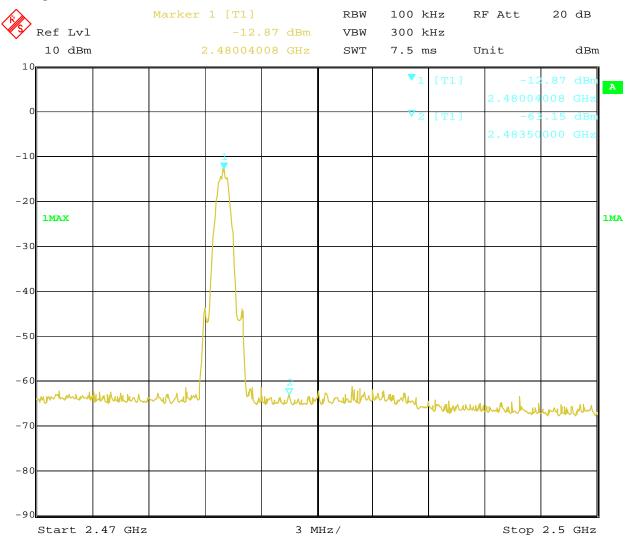
Date: 2020-11-26



#### **10.4** Band-edge Measurement

EUT	Tablet POS	Model	HM626R
Mode	Keeping Transmitting	Input Voltage	DC3.8V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

## **Test Figure:**



Date: 1.DEC.2020 14:54:00

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#### **10.4** Restrict Band Measurement

EUT	Table	t POS	Model	1		HN	M626R	
Mode	Keep Tra	nsmitting	Input Volt	tage		D	C3.8V	
Temperature	24 de	eg. C,	Humidi	ity		56	% RH	
Test Result:	Pa	SS						
C Part 15C Class B 1GHz-18GH:	: -2			•				
							M1	
80-								
70-								
							/	
1							/ \	
60-						N	2	
50-							•	
50-					M3	مندوب الل	•	
50-	الرسان أو الشار المساور المساو	harrahar usarki se ek dekilak se	na 1888 ki siki si dhina dishinda a sishana dabasil d	a lida i halika a maj ka	мз		2	**************************************
50-	king de global afrans king a saa dhii ka saa aa aa dhii	l <sub>a</sub> geral <sub>lera</sub> gi tarek dirikaja dealladu e	nastill kirik vi likovskirityely telikan sidesilyk	المدرا ويسيانا المايد	МЗ		2	ordy opposite my deficient
50- 40-	hing de good down his has no distribused in some significant south	أروا والمستور وتجار أراد أربار أحدار المراد و	material bistorial des admitivator a siglica a siglica de siglica	h da ir bligaran bayab b	мз		2	ndy year hadron)
30- 20-	king di silah dipung dibuka sa diki di sa sapar niki	l <sub>a</sub> gara <mark>l</mark> angsi kipub diplo <sub>t</sub> ik <sub>a</sub> lah ludu a	na stáid bhí shí righte a dháith a baill ann aideadh bh	أرامد الإستاران عارا	M3	and the second	2	and south the second
30-	how h, was how his na water his how sin has not been	lastes beregister belefische John Level von der	material de siste and the a desire principal desire and teachers.	is idealy black black black	мз		2	nd <sub>rost</sub> nation
30- 10-	king di samundin di mana dikini sa sana maliki	lasera barapa kiirib diibah deellooda o	na stáid bhí thá sig dhe a dhintig a bh siúil dhe an dideadh bh	المادرة أوندينا المادية المادية	M3	and the second	2	
30- 20-	hand ah salah di mendalah san salah di mengan salah di	l <sub>ad</sub> ital <sub>lada</sub> i sipeledija, p. Joselleda e	Frequency (MHz)	is like in hills a size in a size in hi	мз		2	2410
30- 10-	Results Facto	or Limit	1	Detector	Table (o)	Height	ANT	
30 - 20 - 10 - 2350	And having a marked in his years also deep seems to have been a being the seems of the first and the	or Limit	1	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7		Height (cm)		2410

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#### **10.4** Restrict Band Measurement

	EUT		Tablet	POS		Model		]	HM626R	
]	Mode	K	eep Tran	smitting	Inp	out Voltage			DC3.8V	
Ten	nperature		24 deg	g. C,	I	Iumidity			56% RH	
Tes	st Result:		Pas	S						
Part 150	C Class B 1GHz-18GHz	-2			•		•			
80-									M1	
70-										
									/ \	
60-								M2		
50-							INASH A JUNE	M2		
50-	MANANANAN MANANAN MANANAN	HP Whilehid Hoderson	Alapa dalladahisi	Hawara Hawara Andrewa	halanda karaka kara	n <sup>l</sup> minintelepini		M7	/	iright diaghter phofic
50-	nylvalhounalphiliphiqua	HP WYW WAR	A particular dispos	Haddan Wasan Angla	hat have been been been been been been been be	n de marial		M		rhidadir (Mi
50- 40- 30-			aller programme and the second	Majahan Liberat Valada		nt-atamatutuji.		MZ		High alley More Parlis
30-	ngkirakhaght kubahilak ngal		Aleka de	Majahan Librard (Majaha	Frequency (MHz)	od whom by by it his		M		2410
30-	Frequency	Results	Factor	Limit	Frequency (MHz)  Over Limit	Detector	Table (o)	Height	ANT	2410 Verdict
30- 20- 10- 2350	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)		1	Table (o)			

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#### **10.4** Restrict Band Measurement

EUT	Tablet P	POS	Mo	odel		F	HM626R	
Mode	Keep Trans	mitting	Input V	Voltage		I	DC3.8V	
Temperature	24 deg.	C,	Hum	nidity		5	56% RH	
Test Result:	Pass							
C Part 15C Class B 1GHz-18GH	z -2							
70-								
40- 40- 30-	Productive the state of the sta		William William Commission Commis	maphadamina, it is is by	Automobile physics and the	b.alepakelkakelu.phib	والمعادلة	KARAHA MANAYA
30-	Transit of the skin de which t		White the second state of the	maphakanna, libilih yy	Autorisis de publica acestrale II	de alembel de la constitució d	والمنافئة والمتحاول المتحاول المتحادث والمتحادث والمتحاد	h.a.+11/4-11/4
30-	Mariel State Bank by Marie Bank Bank Bank Bank Bank Bank Bank Bank		Marie Ma	maphoperioris distilling	hadrinish philosophical	k armahidahin addis	ndan pahajiri dada da d	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
30-	Manifeld Historia State		2483.5 Frequency (MHz)		hadresis de político en level de	المراجعة الم	ndan) odnika i kaleku da	2500
30-	Results Factor	Limit			Table (o)	Height	ANT	2500 Verdict
30- 20- 10- 2470	Results Factor (dBuV/m) (dB)	T	Frequency (MHz)		1	Considering Physics (1991)	ANT	

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#### **10.4** Restrict Band Measurement

EUT	Т	Tablet POS	S	Model			HM6	26R	
Mode	Keep	Transmit	tting	Input Volta	age		DC3	.8V	
Temperature	2	24 deg. C,		Humidit	у		56%	RH	
Test Result:		Pass							
Part 15C Class B 1GHz-18GHz	: -2								
80-									
70-		MAN DE THE	<b>\</b>						
		r	<b>N</b>						
60-									
50-									
50-	h 1 1 1 1 1				1.1	hanat la		i Ulitera di Assa	1 1 d
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30-	lister productive despera			de and heredine resident place and de	old de la constant d	H <sub>e</sub> ad al thail that the said	k <sup>Al</sup> adasa (Alaya (A) (Alaya (Alaya (Alaya (Alaya (Alaya (Alaya (Alaya (Alaya (Alaya		
30-	illi de gleka de jeda ki pod de jed		22	183.5	alada Artinia da Artinia	ikan al halikan kan	p <sup>olog</sup> iyatiliyida yi		2500
30 - 20 - 0.0	dia ka jirka dhina dh		24	183.5 Frequency (MHz)	alled place of the state of the		k <sup>Al</sup> eder (Aleder)		2500
30 - 20 - 0.0	Results	Factor	24 Limit		Detector	Table (o)	Height	ANT	2500 Verdict
30 - 20 - 10 - 2470	Results (dBuV/m)	Factor (dB)	1	Frequency (MHz)	Detector	Table (o)	Height (cm)	ANT	

Note: The measured PK value less than the AV limit, no necessary to take down the AV measurement result.

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## 11.0 Antenna Requirement

## 11.1 Standard Applicable

For intentional device, according to FCC 47 CFR 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.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the mount in dB that the directional gain of the antenna exceeds 6 dBi.

### 11.2 Antenna Connected construction

Integral antenna used. The gain of the antennas is 2.0dBi.

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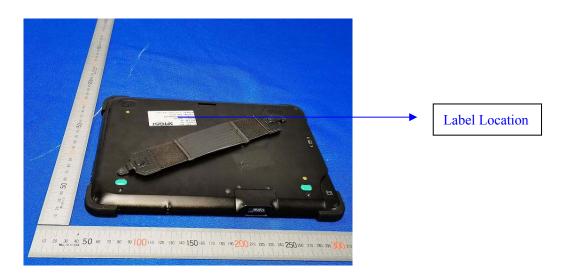
#### 12.0 FCC ID Label

## FCC ID: GQK-HM626

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

#### **Mark Location:**



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#### 13.0 Photo of testing

Conducted Emission Test Setup:

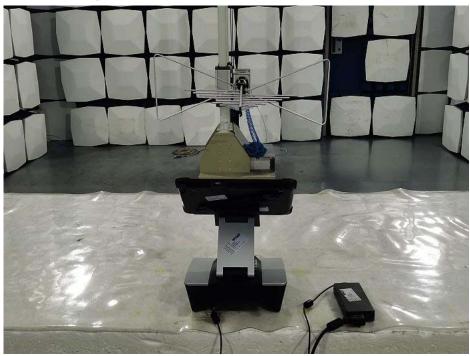


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## Radiated Emission Test Setup:





Photographs - EUT

Please refer test report TW2011170-01E

## End of the report

The report refers only to the sample tested and does not apply to the bulk.

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