



Report No.: TW2012217-03E File Reference No.: 22021-01-16

Applicant: Qingdao Hisense Intelligent Commercial System Co., Ltd.

Product: Tablet POS

Model No.: HM628N, HM628

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



Dated: January 16, 2021

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, China

Telephone: -Fax: --

1.3 Description of EUT

Product: Tablet POS

Manufacturer: Qingdao Hisense Intelligent Commercial System Co., Ltd.

Address: 399 Songling Road, Laoshan, Qingdao, China

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

Model Number: HM628N

Additional Model Number: HM628 Hardware Version: WTR288C1

Software Version: HX-JX-10-GLKC2R100

Type of Modulation GFSK (Bluetooth BLE)

Frequency range 2402-2480MHz Frequency Selection By software

Channel Number 40 Input Voltage: DC12V

Battey: DC7.6V, 55000mAh 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

2020-12-17 to 2021-01-16

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

The sample tested by



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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	Zhengdi	ZT26-NJ-NJ-8		2020-06-23	2021-06-22
KI Cable	Zileligui	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	2021-01-06	2022-01-05

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
FCC Part 15, Paragraph 15.247(e)	Power Spectral Density Limit: max. 8dBm/3kHz	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.

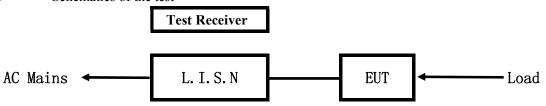
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5.Power Line Conducted Emission Test

5.1 Schematics of the test

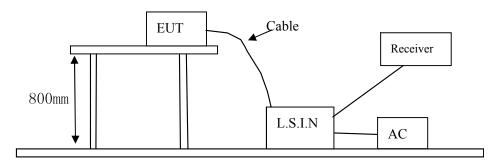


EUT: Equipment Under Test

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: AC120V, 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		Manufacturer		Model	FCC ID
Tablet POS		Qingdao Hisense Intelligent	HM628N,	GOK-HM628N		
Tat	net FOS	Commercial System Co., Ltd.	HM628	UQK-IIW026N		

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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 µ 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			
$5.00 \sim 30.00$	60.0	5 .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)

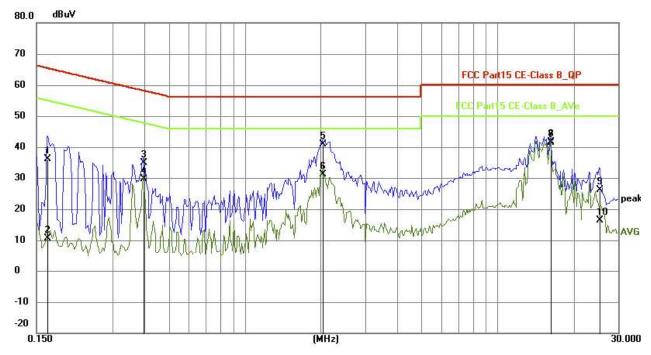
EUT Operating Environment

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	0.1655	26.38	9.77	36.15	65.18	-29.03	QP	Р
2	0.1655	0.93	9.77	10.70	55.18	-44.48	AVG	Р
3	0.3957	25.13	9.76	34.89	57.94	-23.05	QP	Р
4	0.3957	19.95	9.76	29.71	47.94	-18.23	AVG	Р
5	2.0337	31.19	9.80	40.99	56.00	-15.01	QP	Р
6	2.0337	21.24	9.80	31.04	46.00	-14.96	AVG	Р
7	16.2288	31.03	10.45	41.48	60.00	-18.52	QP	Р
8	16.2288	30.94	10.45	41.39	50.00	-8.61	AVG	Р
9	25.2807	15.18	11.01	26.19	60.00	-33.81	QP	Р
10	25.2807	5.48	11.01	16.49	50.00	-33.51	AVG	Р

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

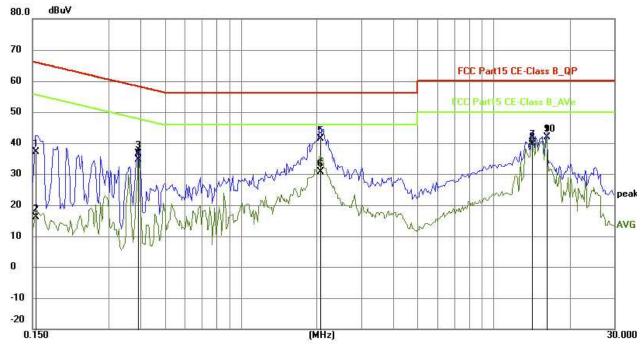
EUT Operating Environment

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	0.1548	27.35	9.78	37.13	65.74	-28.61	QP	Р
2	0.1548	6.46	9.78	16.24	55.74	-39.50	AVG	Р
3	0.3918	26.84	9.76	36.60	58.03	-21.43	QP	Р
4	0.3918	24.90	9.76	34.66	48.03	-13.37	AVG	Ρ
5	2.0649	31.50	9.80	41.30	56.00	-14.70	QP	Ρ
6	2.0649	20.90	9.80	30.70	46.00	-15.30	AVG	Р
7	14.2125	29.81	10.35	40.16	60.00	-19.84	QP	Р
8	14.2125	29.09	10.35	39.44	50.00	-10.56	AVG	Р
9	16.2288	31.35	10.45	41.80	60.00	-18.20	QP	Р
10	16.2288	31.24	10.45	41.69	50.00	-8.31	AVG	Р

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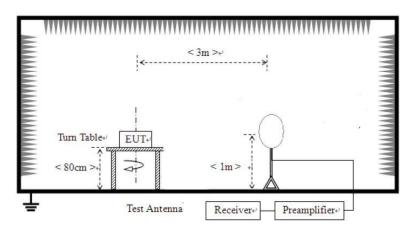


6 Radiated Emission Test

- 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

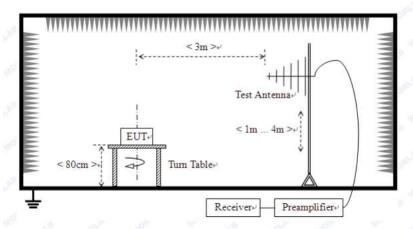


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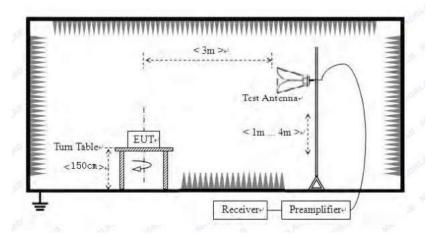
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For radiated emissions from 30MHz to1GHz



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 μ 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

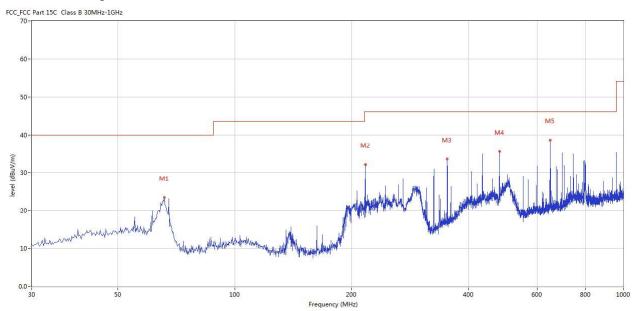
General Radiated Emission Data and Harmonics Radiated Emission Data

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	65.881	23.48	-13.87	40.0	-16.52	Peak	180.00	100	Horizontal	Pass
2	216.921	32.11	-13.51	46.0	-13.89	Peak	27.00	100	Horizontal	Pass
3	352.444	33.67	-9.46	46.0	-12.33	Peak	196.00	100	Horizontal	Pass
4	479.968	35.65	-7.40	46.0	-10.35	Peak	44.00	100	Horizontal	Pass
5	647.978	38.61	-4.59	46.0	-7.39	Peak	34.00	100	Horizontal	Pass

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Test result

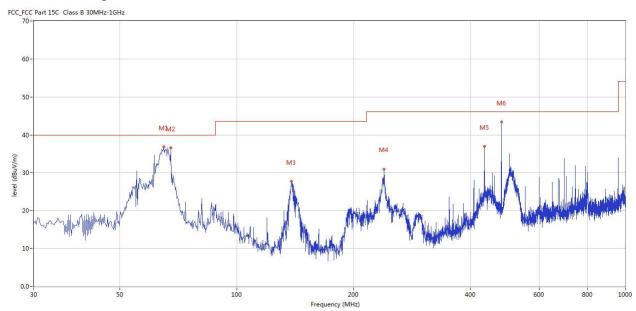
General Radiated Emission Data and Harmonics Radiated Emission Data

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	64.911	36.75	-13.55	40.0	-3.25	Peak	1.00	100	Vertical	Pass
2	67.578	36.48	-14.47	40.0	-3.52	Peak	1.00	100	Vertical	Pass
3	138.370	27.64	-17.27	43.5	-15.86	Peak	10.00	100	Vertical	Pass
4	239.468	30.98	-12.36	46.0	-15.02	Peak	15.00	100	Vertical	Pass
5	433.904	36.87	-8.03	46.0	-9.13	Peak	8.00	100	Vertical	Pass
6	479.968	43.32	-7.40	46.0	-2.68	Peak	0.00	100	Vertical	Pass

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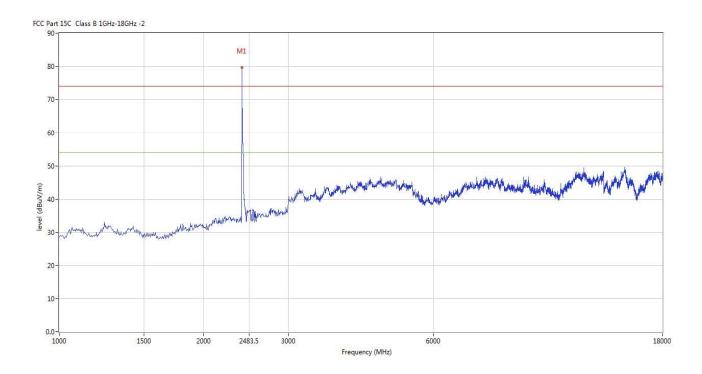
Date: 2021-01-16



Test Figures above 1GHz:

Please refer to the following test plots for details:

Low Channel: Vertical



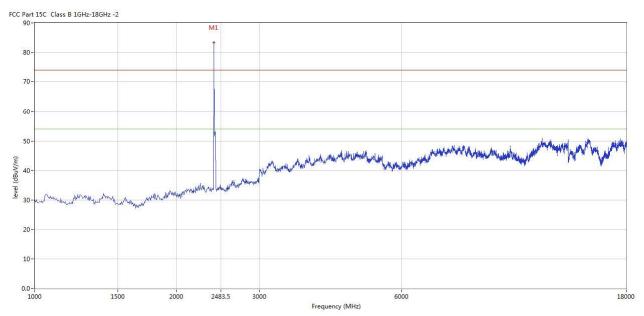
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Low Channel: Horizontal



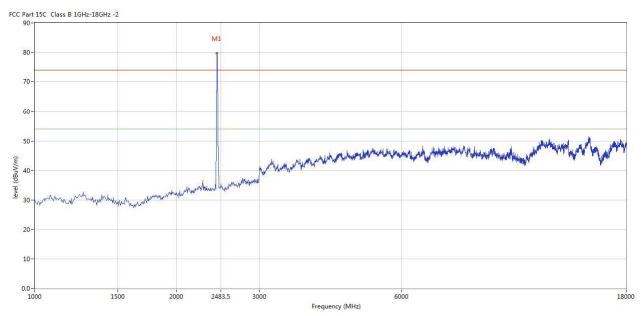
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Middle Channel: Vertical



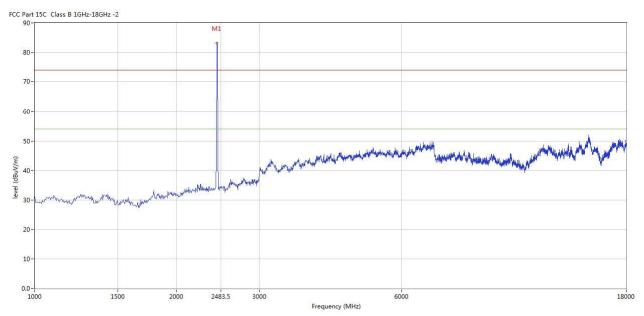
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Middle Channel: Horizontal



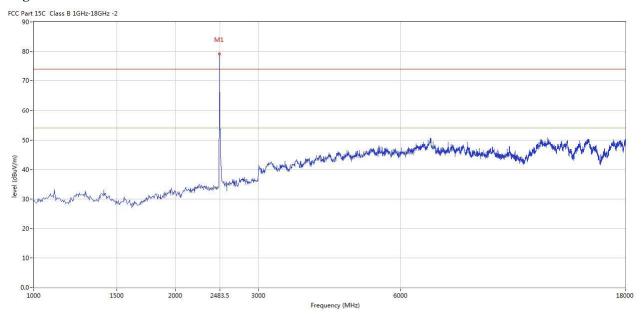
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High Channel: Vertical

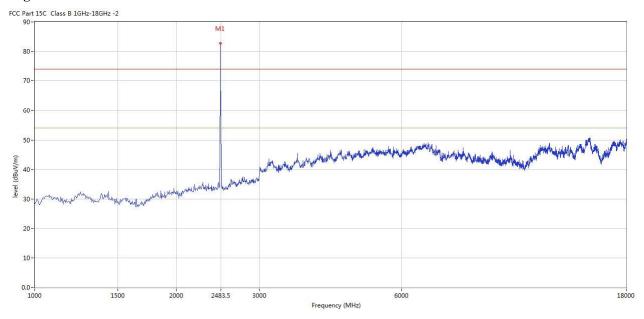


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High Channel: Horizontal



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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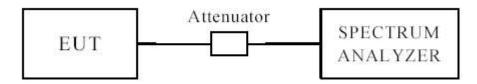
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7.0 6dB Bandwidth Measurement

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

EUT	Tablet	POS	Model			HM628N
Mode	Keep Trai	smitting Input Voltage		e		DC7.6V
Temperat	ure 24 de	g. C,	Humidity			56% RH
Channel	Channel Frequency (MHz)		andwidth Hz)	M	inimum Limit (MHz)	Pass/ Fail
Low	2402	7	33		0.5	Pass
Middle	2440	7	33		0.5	Pass
High	2480	7	33		0.5	Pass

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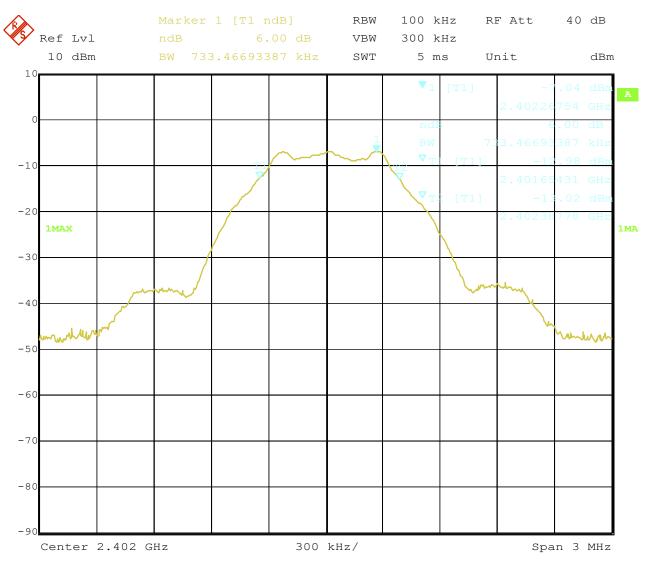
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Test Figure:

1. Condition: Low Channel



Date: 15.JAN.2021 13:54:51

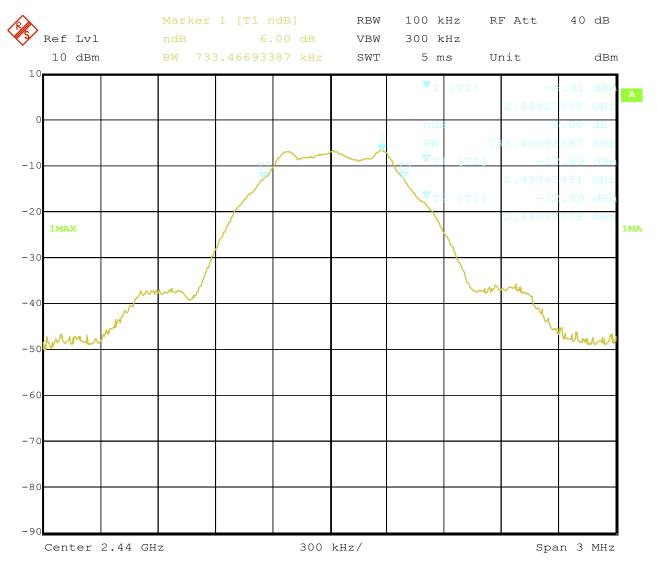
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2. Condition: Middle Channel



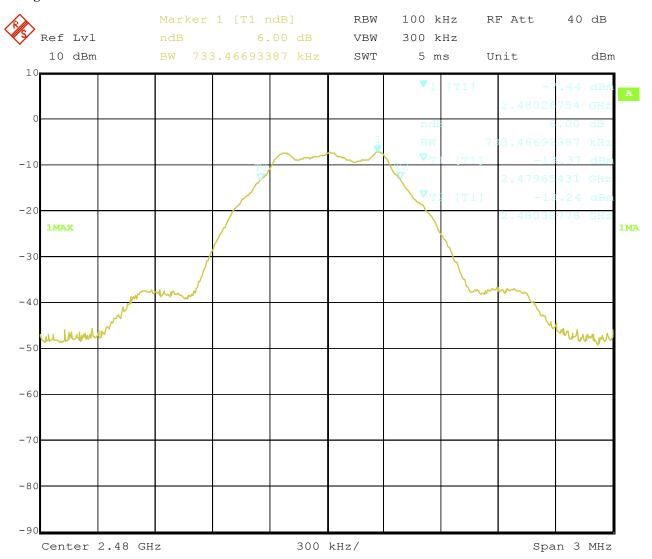
Date: 15.JAN.2021 13:55:37

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3. High Channel



Date: 15.JAN.2021 13:56:21

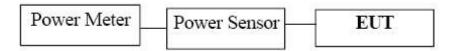
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8. Maximum Output Power

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		HM6281	N
Mode		Keep Transn	nitting	Input Voltage		DC7.6\	7
Temperatu	re	24 deg. (Ξ,	Humidity		56% RI	I
Channel	Cł	nannel Frequency	Max	x. Power Output (dB	m)	Peak Power Limit	Pass/ Fail
Chamier		(MHz)		Peak		(dBm)	
Low		2402		-6.50		30	Pass
Middle		2440		-6.27		30	Pass
High		2480		-6.91		30	Pass

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

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

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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/3kHz.

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 ≤ 8 dBm/3kHz.

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9.4Test Result

EUT			Tablet POS		Model	HN	/1628N
Mode		Ke	ep Transmitt	ing	Input	Do	C7.6V
					Voltage		
Temperat	ure		24 deg. C,		Humidity	56	% RH
	Peak	Power	Cable	Final Po	wer Spectral	Maximum	
Channel	Re	ading	Loss	D	ensity	Limit	Pass/ Fail
	(d	lBm)	(dB)	(dBn	n/10kHz)	(dBm/3kHz)	
Low	-1	6.31	0.2	-	16.11	8	Pass
Middle	-1	6.19	0.2	-	15.99	8	Pass
High	-1	6.69	0.2	-	16.49	8	Pass

Note: The result basic equation calculation as follow:

Peak Power Output = Peak Power Reading + Cable loss

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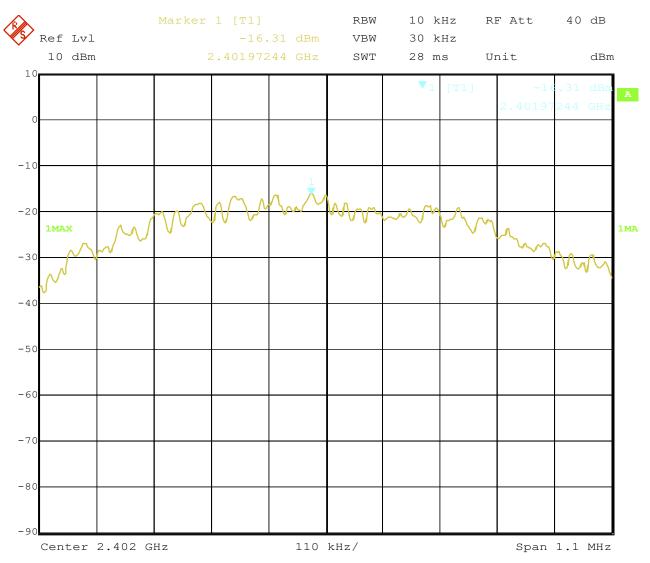
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Test Figure:

1. Condition: Low Channel



Date: 15.JAN.2021 13:58:26

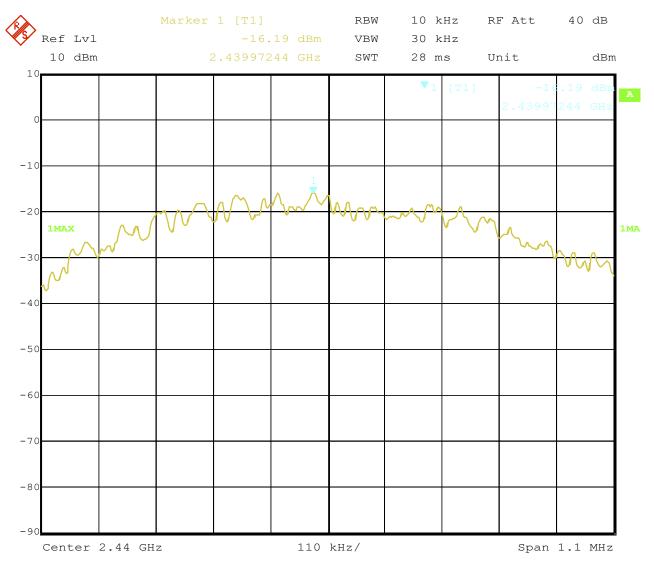
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2. Condition: Middle Channel



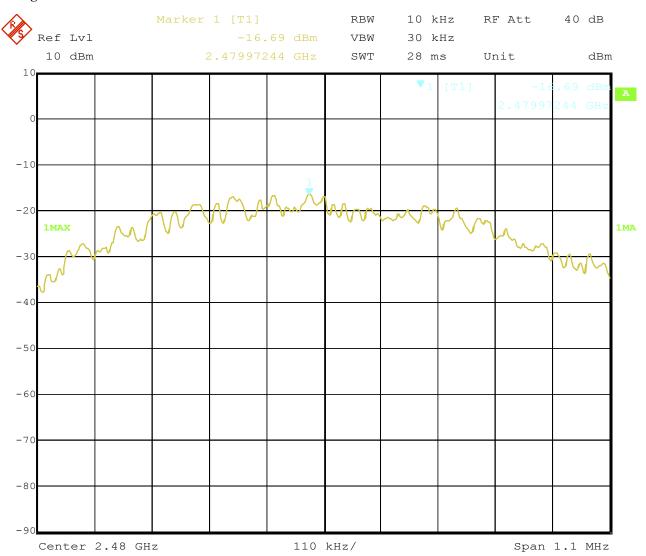
Date: 15.JAN.2021 13:58:54

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3. High Channel



Date: 15.JAN.2021 13:59:17

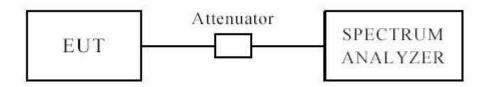
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10 Out of Band Measurement 10.1 Test Setup for band edge



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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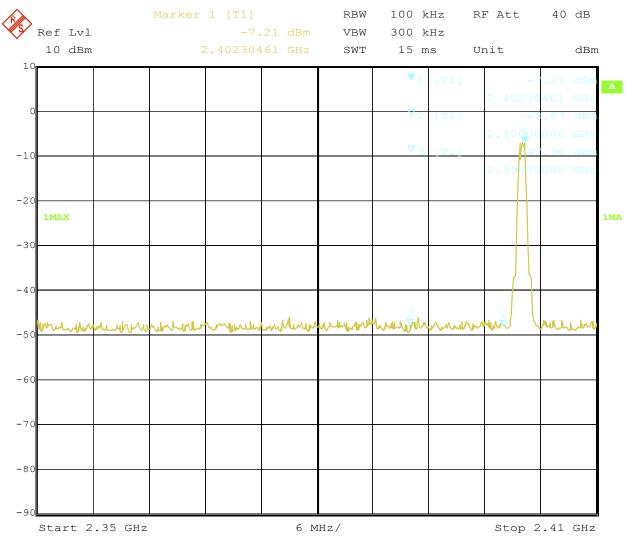
Date: 2021-01-16



10.4 Band-edge Measurement

EUT	Tablet POS	Model	HM628N
Mode	Keep Transmitting	Input Voltage	DC7.6V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 15.JAN.2021 14:00:11

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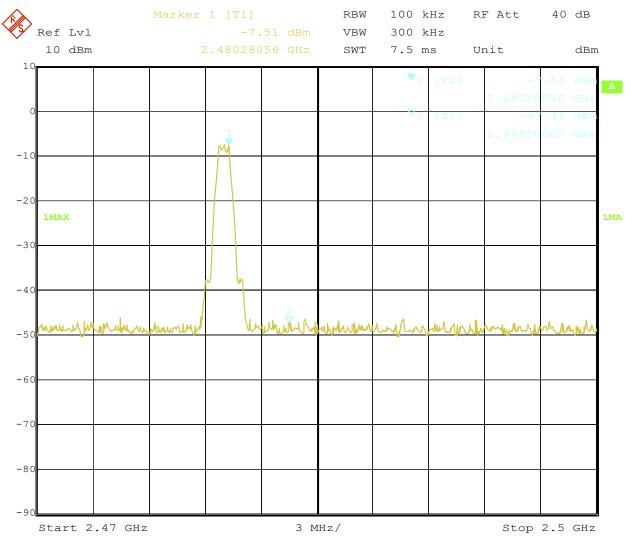
Date: 2021-01-16



10.4 Band-edge Measurement

EUT	Tablet POS	Model	HM628N
Mode	Keeping Transmitting	Input Voltage	DC7.6V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK

Test Figure:



Date: 15.JAN.2021 13:59:41

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10.4 Restrict Band Measurement

EUT		Tablet P	OS	Mode	el		HN	M628N	
Mode	Ke	ep Transı	mitting	Input Vo	ltage		D	C7.6V	
Temperature		24 deg.	C,	Humid	lity		56	% RH	
Test Result:		Pass							
Part 15C Class B 1GHz-	8GHz -2				·				
								M1	
80-									
70-								1	
60-									
							-	12	
50-	a and a same and a same	Lane	and the life Translible of	Charles to a large Vision and	sta irani an Kan	M3	ALL 11 14 1	•	al war a
40-	andpure of the sure of the collection of the col	mandari Mandan madah	anniet karisteren teterakt der klicht in ge	reining in the fact, of the fact, of the second of the sec	Approximations and an experimen		administrative to the second		ta desir ditatin per
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40- 30- 20- 10- 0.0- 2350				Frequency (MHz)		and the second s			2410
30- 20- 10- 2350	cy Results	Factor	Limit	Frequency (MHz) Over Limit	Detector		Height	ANT	
30- 20- 10- 0.0- 2350 No. Frequer (MHz)	cy Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2410 Verdict
30- 20- 10- 0.0- 2350 No. Frequer (MHz) 2 2399.98	cy Results (dBuV/m) 58.85	Factor (dB)	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) -15.15	Detector	Table (o)	Height (cm)	ANT Horizontal	Verdict Pass
30- 20- 10- 0.0- 2350 No. Frequer (MHz)	cy Results (dBuV/m) 0 58.85 0 49.00	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2410 Verdict

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10.4 Restrict Band Measurement

20- 10- 2350 Frequency (MHz) ANT Verdice (MHz) (MHz) (dBuV/m) (dB) (dBuV/m) (dB) 2399.965 55.40 -3.57 74.0 -18.60 Peak 218.00 100 Vertical Pass	J.4 Resulct	Danu Measui	CITICIT							
Temperature 24 deg. C, Humidity 56% RH Test Result: Pass	EUT		Tablet	POS		Model]	HM628N	
Test Result: Part 15C Class 8 10Hz-18GHz-2 Part 15C Class 8	Mode	K	eep Tran	smitting	Inp	ut Voltage			DC7.6V	
Part 15C Class B 16Hz-186Hz -2	Temperature		24 deg	g. C,	ŀ	Iumidity			56% RH	
80	Test Result:		Pas	SS						
80 70 60 60 60 60 60 60 60 60 6		6Hz -2					•			
M3 M3 M3 M6 Prequency (MHz) M8 Frequency (MHz) M8 Frequency (MHz) M8 ANT Verdice (MHz) (dBuV/m) (dB) (dBuV/m) (dB) M8 Prequency (MHz) M9 Frequency (MHz) ANT Verdice (m) M9 Pass M8 Prequency (MHz) ANT Verdice (m) M8 Pass M8 Prequency (MHz) ANT Verdice (m) Pass M8 Prequency (MHz) ANT Verdice (m) Pass M8 Prequency (MHz) ANT Verdice (m) Pass M8 Pass ANT Verdice (m) Pass ANT Verdice (m) Pass ANT Verdice (m) Pass ANT Verdice (m) Pass	80-								M1	
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No. Frequency Results Factor Limit Over Limit Detector Table (o) Height ANT Verdice Vertical Vertical Pass V	20-									
Page	10-									
Page										
Frequency Results Factor Limit Over Limit Detector Table (o) Height ANT Verdice Vertical Vertical Pass	0.0-									
(MHz) (dBuV/m) (dB) (dB) (cm) 2399.965 55.40 -3.57 74.0 -18.60 Peak 218.00 100 Vertical Pass *** 2399.965 46.09 -3.57 54.0 -7.91 AV 218.00 100 Vertical Pass	2000				Frequency (MHz)					2410
2399.965 55.40 -3.57 74.0 -18.60 Peak 218.00 100 Vertical Pass ** 2399.965 46.09 -3.57 54.0 -7.91 AV 218.00 100 Vertical Pass	0909832711	/ Results	Factor	Limit	will 8	I	Table (o)	Heiaht	ANT	1,000,000
	No. Frequenc				Over Limit	I	Table (o)	_	ANT	
2389.960 47.91 -3.53 74.0 -26.09 Peak 175.00 100 Vertical Pass	No. Frequenc	(dBuV/m)	(dB)	(dBuV/m)	Over Limit	Detector		(cm)		Verdict
	No. Frequence (MHz) 2 2399.965	(dBuV/m) 55.40	(dB) -3.57	(dBuV/m) 74.0	Over Limit (dB)	Detector Peak	218.00	(cm)	Vertical	Verdict Pass

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10.4 Restrict Band Measurement

EUT]	Tablet PO	S	Mod	lel		Н	IM628N	
Mode	Keej	p Transm	nitting	Input Vo	oltage		I	DC7.6V	
Temperature		24 deg. C	J.,	Humic	dity		5	56% RH	
Test Result:		Pass							
Part 15C Class B 1GHz-18GH	z -2								
80-									
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00									
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50-	ndmational and and and and and		1	Wilder to the Logistic Control of the Logistic Control	haqiindi e paddahan i ba	amin'ny distribution in second selan	harina dinada di wasa karangi i	era, had silkele eriblessen, lefense silk blande alefa e	ingganga di kunjik di kalipata
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50- 40- 30-	indone a block and the sold must be made manufactured.		24	483.5 Frequency (MHz)	internation of the Addison of the	amed and other manager property lades	Marien dynasti Maren da ingel	no nindestructured for the blood of the	2500
30 - 20 - 0.	Results	Factor	2. Limit	483.5 Frequency (MHz)	Detector	Table (o)	Height	ANT	
30 - 20 - 2470			1	483.5 Frequency (MHz)					2500

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10.4 Restrict Band Measurement

Е	EUT		Tablet PC	OS	Model			HM	628N	
M	1ode	Kee	p Transm	nitting	Input Volt	age		DC	7.6V	
Temp	perature		24 deg. (Ξ,	Humidit	у		56%	6 RH	
Test	Result:		Pass							
CC Part 15C C	Class B 1GHz-18GHz	-2								1
80-			1	Amount						
70-										
60-										
60-			1	1						
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50 - 40 - 40 - 20 - 20 - 20 - 2470	Frequency	Results	Factor		2483.5	Detector	Table (o)	Height	ANT	
50- (W/Npg)) 30- 20- 10- 0.0- 2470			Factor (dB)		2483.5 Frequency (MHz)					2500

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 1.48dBi.

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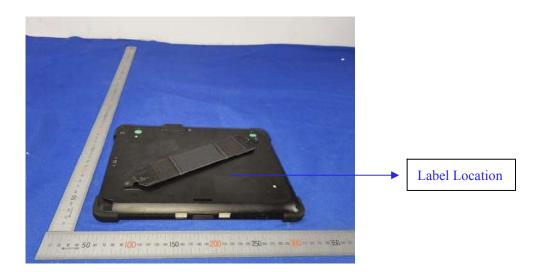
12.0 FCC ID Label

FCC ID: GQK-HM628N

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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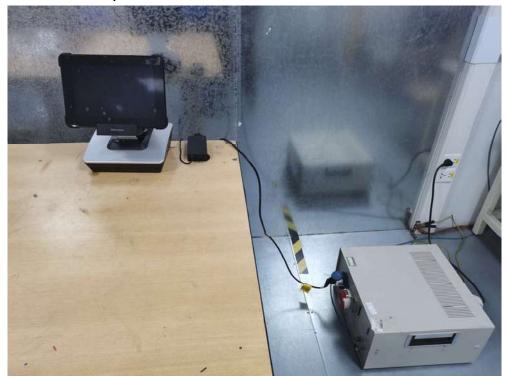
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13.0 **Photo of testing**

Conducted Emission Test Setup:

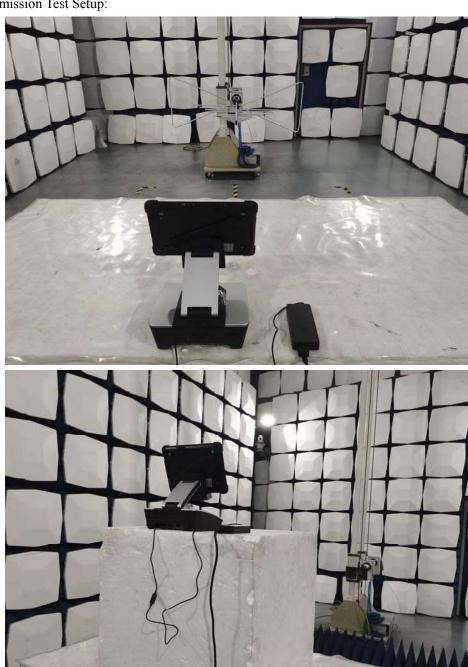


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Radiated Emission Test Setup:



Photographs - EUT

Please refer test report TW2012217-01E

End of the report

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

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