

FCC RADIO TEST REPORT FCC ID: V6KHT8

Product: RF Module

Trade Name: HISKY, XINYI

Model Name: HT8

Serial Model: N/A

Report No.: NTEK-2012NT1109061F

Prepared for

Guangzhou Chiyuan Electronic Co., Ltd.

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TEST RESULT CERTIFICATION

Report No.: NTEK-2012NT1109061F

	Guangzhou Chiyuan Electronic Co., Ltd.		
Address:	2/F No.1 Boyi Industrial, 4th Gongye Rd.Zhicun, Dashi Street, Panyu Dis., Guangzhou, China		
Manufacture's Name:	Guangzhou Chiyuan Electronic Co., Ltd.		
Address:	2/F No.1 Boyi Industrial, 4th Gongye Rd.Zhicun, Dashi Street, Panyu Dis., Guangzhou, China		
Product description			
Product name:	RF Module		
Model and/or type reference :	HT8		
Serial Model:	N/A		
Standards:	FCC Part15.249		
Test procedure	ANSI C63.4-2003		
	s been tested by NTEK, and the test results show that the n compliance with the FCC requirements. And it is applicable only n the report.		
·	ced except in full, without the written approval of NTEK, this rised by NTEK, personal only, and shall be noted in the revision of		
Date of Test	:		
Date (s) of performance of tests	: 09 Nov. 2012 ~26 Nov. 2012		
Date of Issue	: 27 Nov. 2012		
Test Result	Pass		
Testing Engine	eer : Apple Huong		
	eer : Apple Huang (Apple Huang)		
Tackwisel May	Tom Thang		
Technical Man	lager:		
	(Tom Zhang)		
Authorized Sig	(Bovey Yang)		
	 -		



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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15, Subpart C (15.249)				
Standard Section	Test Item	Judgment	Remark	
15.207	Conducted Emission	N/A		
15.203	Antenna Requirement Pass			
15.249	Radiated Spurious Emission	Pass		
15.205	Band Edge Emission	Pass		
15.249	Occupied Bandwidth	Pass		



1.1 TEST FACILITY

NTEK Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District, Shenzhen P.R. China.

FCC Registration No.:238937; IC Registration No.:9270A-1

CNAS Registration No.:L5516

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 % $^{\circ}$

No.	Item	Uncertainty
1	Conducted Emission Test	±1.38dB
2	RF power,conducted	±0.16dB
3	Spurious emissions,conducted	±0.21dB
4	All emissions,radiated(<1G)	±4.68dB
5	All emissions,radiated(>1G)	±4.89dB
6	Temperature	±0.5°C
7	Humidity	±2%

•



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	RF Module			
Trade Name	HISKY, XINYI			
Model Name	HT8			
Serial Model	N/A			
Model Difference	N/A			
The EUT is a RF Module Operation Frequency: 24 Modulation Type: Antenna Designation: in: Channel number 1(Antenna Gain(Peak) 1. EIRP 87 Based on the application, f		GFSK integral Antenna 1(Any one channel in Note2) 1.5 dBi 87.47dbuv/m@3m(Average)		
	specification, please ref	More details of EUT technical er to the User's Manual.		
Rating	DC 3.7V			
Channel List	Please refer to the Note	2.		
Adapter	N/A			
	Rated Voltage: 3.7V			
Battery	Charge Limit: 4.2V			
	Capacity :250mAh			

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.

Channel	Frequency (MHz)
01	2402
02	2440
03	2480

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3

Table for Filed Antenna

Ant	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	NOTE
1	N/A	N/A	integral Antenna	NA	1.5	Antenna



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description			
Mode 1	CH00			
Mode 2	CH01			
Mode 3	CH02			

For Conducted Emission		
Final Test Mode Description		
Mode 4 N/A		

For Radiated Emission			
Final Test Mode Description			
Mode 1	CH00		
Mode 2	CH01		
Mode 3	CH02		

Note:

- (1) The measurements are performed at the highest, middle, lowest available channels.
- (2) The EUT use new battery.

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Spurious Emission Test

E-1 EUT



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Series No.	Note
E-1	RF Module	HISKY, XINYI	HT8	N/A	EUT

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>[Length]</code> column.



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

	anon root oquipino				
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	Agilent	E4407B	160400005	Jul. 06. 2013
2	Test Receiver	R&S	ESPI	101318	Jul. 06. 2013
3	Bilog Antenna	TESEQ	CBL6111D	31216	Jul. 06. 2013
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264416	Jul. 06. 2013
5	Spectrum Analyzer	ADVANTEST	R3132	150900201	Jul. 06. 2013
6	Horn Antenna	EM	EM-AH-10180	2011071402	Jul. 06. 2013
7	Horn Ant	Schwarzbeck	BBHA 9170	9170-181	Jul. 06. 2013
8	Amplifier	EM	EM-30180	060538	Jul. 06. 2013
9	Loop Antenna	ARA	PLA-1030/B	1029	Jul. 06. 2013
10	Power Meter	R&S	NRVS	100696	Jul. 06. 2013

Conduction Test equipment

	Jonadotton 1000 oquipmone						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until		
1	Test Receiver	R&S	ESCI	101160	Jul. 06. 2013		
2	LISN	R&S	ENV216	101313	Jul. 06. 2013		
3	LISN	EMCO	3816/2	00042990	Jul. 06. 2013		
4	50Ω Coaxial Switch	Anritsu	MP59B	6200264417	Jul. 06. 2013		
5	Passive Voltage Probe	R&S	ESH2-Z3	100196	Jul. 06. 2013		
6	Absorbing clamp	R&S	MOS-21	100423	Jul. 06. 2013		



3. ANTENNA REQUIREMENT

3.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 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.

3.2 EUT ANTENNA

The EUT	`antenna i	is integral	Antenna. I	t comply	v with the	standard	requiremen	t.



3.3 CONDUCTED EMISSION MEASUREMENT

3.3.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Class A	(dBuV)	Class B	(dBuV)	Standard
FREQUENCT (MHZ)	Quasi-peak	Average	Quasi-peak	Average	Stariuaru
0.15 -0.5			66 - 56 *	56 - 46 *	CISPR
0.50 -5.0			56.00	46.00	CISPR
5.0 -30.0			60.00	50.00	CISPR

0.15 -0.5		66 - 56 *	56 - 46 *	LP002.
0.50 -5.0		56.00	46.00	LP002.
5.0 -30.0		60.00	50.00	LP002.

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz



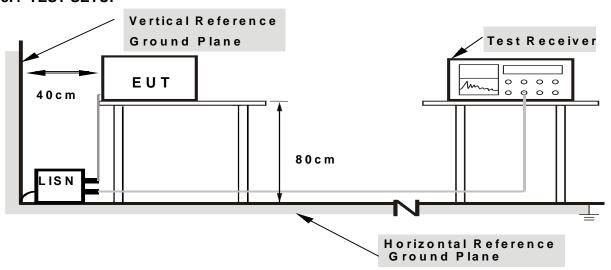
3.3.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

3.3.3 DEVIATION FROM TEST STANDARD

No deviation

3.3.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes



3.2.5 TEST RESULT

EUT:	RF Module	Model Name. :	HT8
Temperature :	26 ℃	Relative Humidity:	54%
Pressure :	1010hPa	Phase :	L
Test Voltage :	N/A	Test Mode:	N/A

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3.4 RADIATED EMISSION MEASUREMENT

3.4.1 Radiated Emission Limits (FCC 15.209)

Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note:

- (1) The tighter limit applies at the band edges.
- (2) Emission level (dBuV/m)=20log Emission level (uV/m).

LIMITS OF RADIATED EMISSION MEASUREMENT (FCC 15.249)

Frequency of Emission (MHz)	Field Strength of fundamental ((millivolts /meter)	Field Strength of Harmonics (microvolts/meter)
2400 - 2483.5	50	500

Notes:

(1) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1MHz / 1MHz for Peak

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP



3.4.2 TEST PROCEDURE

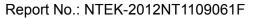
- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3m meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.4.3 DEVIATION FROM TEST STANDARD

No deviation

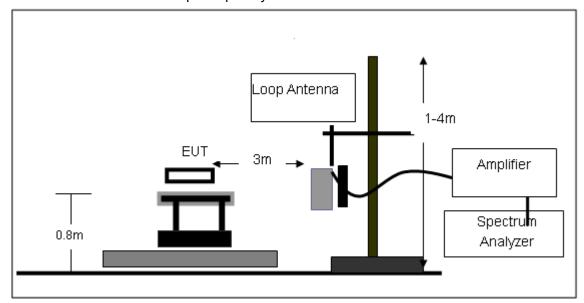
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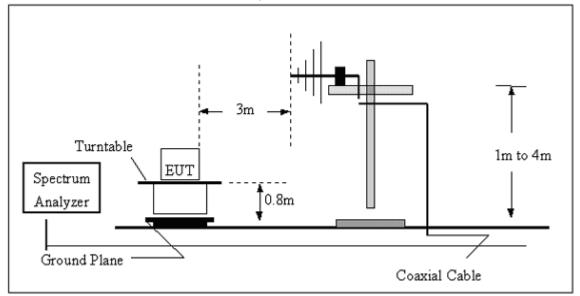


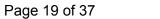
3.4.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz

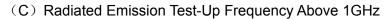


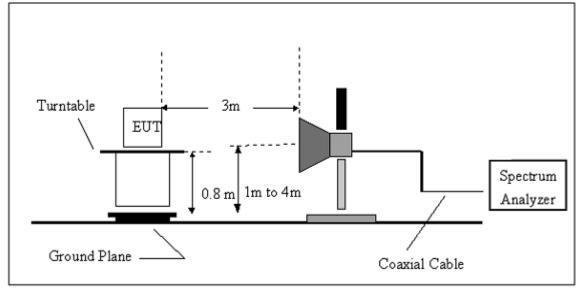
(B) Radiated Emission Test-Up Frequency 30MHz~1GHz











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3.4.5 TEST RESULTS (BLOW 30MHz)

EUT:	RF Module	Model Name. :	HT8
Temperature :	20 ℃	Relative Humidtity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX	Polarization :	

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
				PASS
				PASS

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =20 log (specific distance/test distance)(dB);

Limit line = specific limits(dBuv) + distance extrapolation factor.



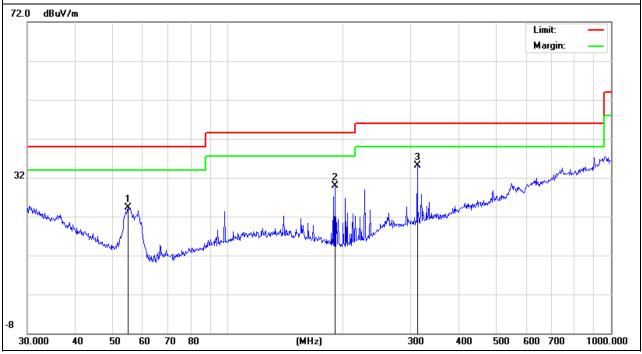
3.4.6 TEST RESULTS (BETWEEN 30 – 1000 MHZ)

EUT:	RF Module	Model Name :	HT8
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
54.8348	18.03	6.33	24.36	40	-15.64	QP
190.405	20.83	9.01	29.84	43.5	-13.66	QP
312.1794	19.98	15.13	35.11	46	-10.89	QP

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



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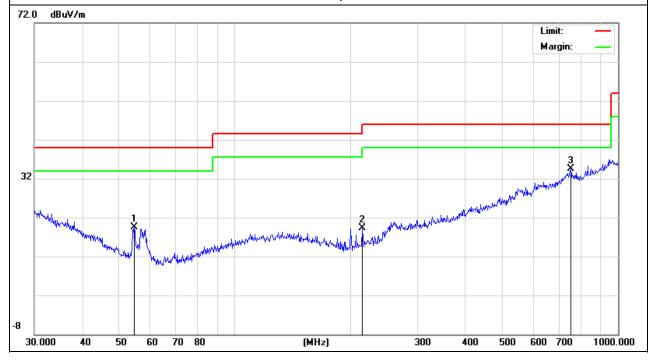


		1	
EUT:	RF Module	Model Name :	HT8
Temperature:	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
54.6429	13.05	6.39	19.44	40	-20.56	QP
215.2678	9.41	9.91	19.32	43.5	-24.18	QP
752.7432	8.16	26.39	34.55	46	-11.45	QP

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.



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3.4.7 TEST RESULTS (ABOVE 1000 MHZ)

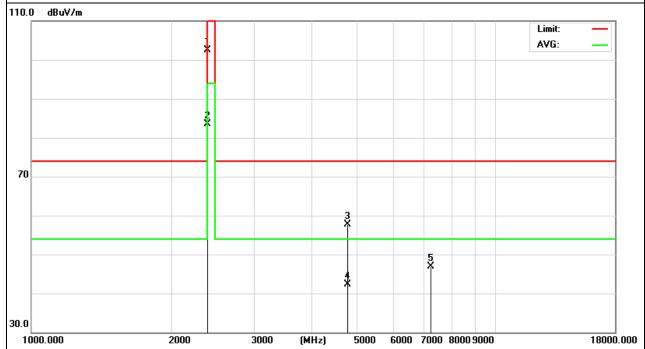
EUT:	RF Module	Model Name :	HT8
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2402MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	
2402.125	115.47	-12.99	102.48	114.0 0	-11.52	peak
2402.125	96.55	-12.99	83.56	94	-10.44	AVG
4804.5	61.3	-3.64	57.66	74	-16.34	peak
4804.5	45.85	-3.64	42.21	54	-11.79	AVG
7206.5	47.93	-0.95	46.98	74	-27.02	peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 18GHz.





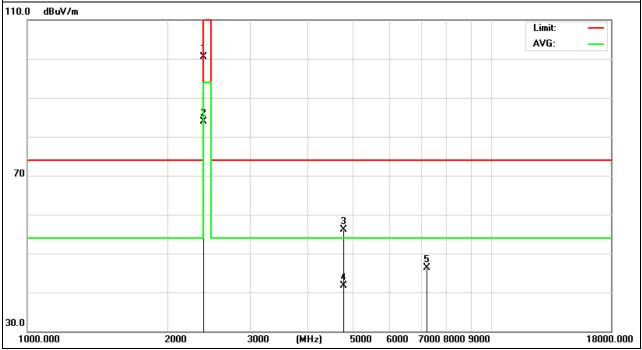
EUT:	RF Module	Model Name :	HT8
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2402MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2402.125	113.56	-12.99	100.57	114.0 0	-13.43	peak
2402.125	96.81	-12.99	83.82	94	-10.18	AVG
4804.5	59.74	-3.64	56.1	74	-17.9	peak
4804.5	45.38	-3.64	41.74	54	-12.26	AVG
7206.5	47.35	-0.95	46.4	74	-27.6	peak

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

No emission detected above 18GHz.



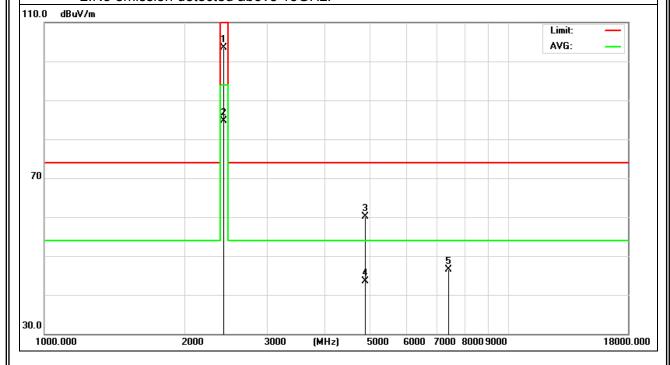


EUT:	RF Module	Model Name :	НТ8
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2440MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2440.055	116.45	-12.94	103.51	114.0 0	-10.49	peak
2440.055	97.57	-12.94	84.63	94	-9.37	AVG
4880.5	63.85	-3.67	60.18	74	-13.82	peak
4880.5	47.23	-3.67	43.56	54	-10.44	AVG
7417.5	47.42	-0.93	46.49	74	-27.51	peak

Remark:1. The Factor is calculated by adding the Antenna and Cable Factor, and subtracting the AmplifierGain . The basic equation is as follows:

Factor = Antenna Factor + Cable Factor - Amplifier Gain 2.No emission detected above 18GHz.





EUT: RF Module Model Name: HT8

Temperature: 20 °C Relative Humidity: 48%

Pressure: 1010 hPa Test Voltage: DC 3.7V

Test Mode: TX /2440MHz Polarization: Vertical

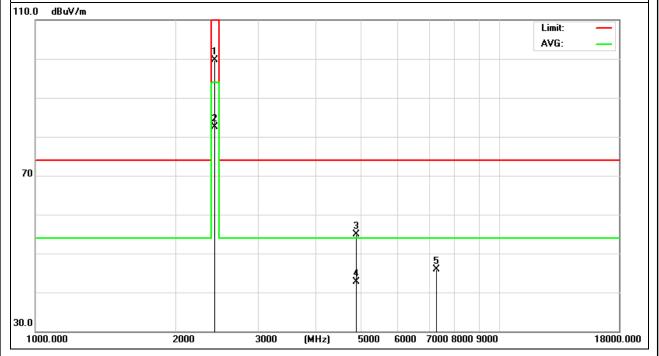
Report No.: NTEK-2012NT1109061F

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2440.175	112.68	-12.94	99.74	114.0 0	-14.26	peak
2440.175	95.42	-12.94	82.48	94	-11.52	AVG
4880.5	58.63	-3.67	54.96	74	-19.04	peak
4880.5	46.28	-3.67	42.61	54	-11.39	AVG
7320.5	46.72	-0.82	45.9	74	-28.1	peak

Remark:1. The Factor is calculated by adding the Antenna and Cable Factor, and subtracting the AmplifierGain . The basic equation is as follows:

Factor = Antenna Factor + Cable Factor - Amplifier Gain

2. No emission detected above 18GHz.





EUT: RF Module Model Name: HT8

Temperature: 20 °C Relative Humidity: 48%

Pressure: 1010 hPa Test Voltage: DC 3.7V

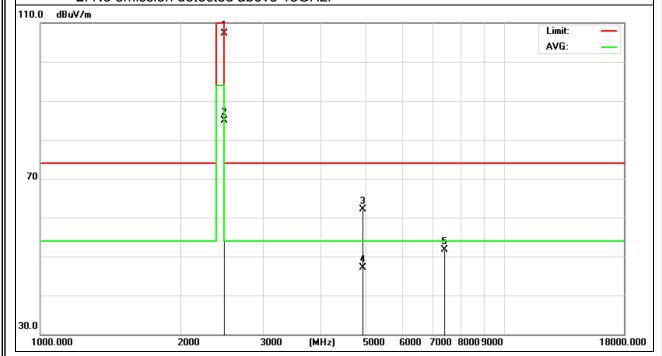
Test Mode: TX /2480MHz Polarization: Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Datastar Tuna
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2480.055	120.16	-12.79	107.37	114.0 0	-6.63	peak
2480.055	97.65	-12.79	84.86	94	-9.14	AVG
4952.5	65.66	-3.55	62.11	74	-11.89	peak
4952.5	50.56	-3.55	47.01	54	-6.99	AVG
7417.5	52.67	-0.93	51.74	74	-22.26	peak

Remark:1. The Factor is calculated by adding the Antenna and Cable Factor, and subtracting the AmplifierGain . The basic equation is as follows:

Factor = Antenna Factor + Cable Factor - Amplifier Gain

2. No emission detected above 18GHz.



.



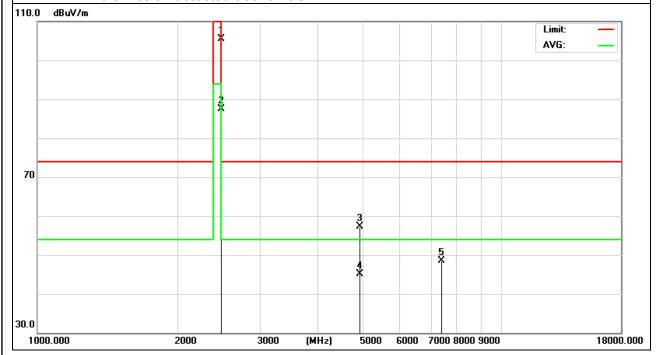
EUT:	RF Module	Model Name :	НТ8
Temperature :	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2480MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2480.056	118.39	-12.79	105.6	114.0 0	-8.4	peak
2480.056	100.26	-12.79	87.47	94	-6.53	AVG
4952.5	60.89	-3.55	57.34	74	-16.66	peak
4952.5	48.56	-3.55	45.01	54	-8.99	AVG
7417.5	49.42	-0.93	48.49	74	-25.51	peak

Remark:1. The Factor is calculated by adding the Antenna and Cable Factor, and subtracting the AmplifierGain . The basic equation is as follows:

Factor = Antenna Factor + Cable Factor - Amplifier Gain

2. No emission detected above 18GHz.





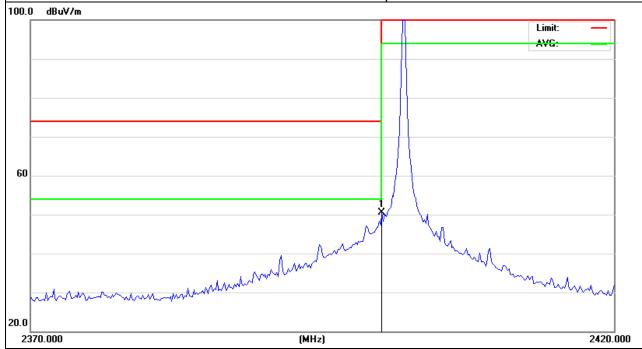
3.4.8 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

EUT:	RF Module	Model Name :	HT8
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2402MHz	Polarization :	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Dotostor Typo
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400	63.45	-12.99	50.46	74	-23.54	peak

Remark: The Factor is calculated by adding the Antenna and Cable Factor, and subtracting the AmplifierGain . The basic equation is as follows:

Factor = Antenna Factor + Cable Factor - Amplifier Gain





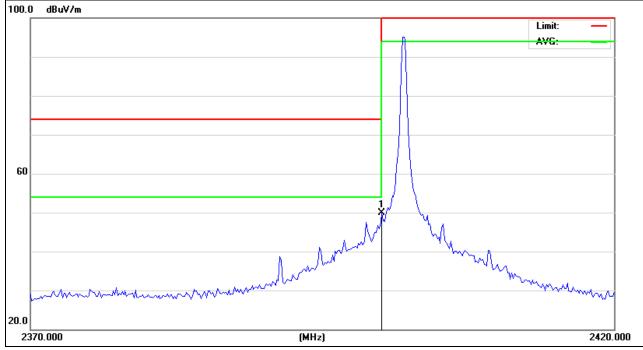
EUT:	RF Module	Model Name :	HT8
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2402MHz	Polarization :	Horizontal

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2400	62.97	-12.99	49.98	74	-24.02	peak

Remark: The Factor is calculated by adding the Antenna and Cable Factor, and subtracting the AmplifierGain . The basic equation is as follows:

Factor = Antenna Factor + Cable Factor - Amplifier Gain



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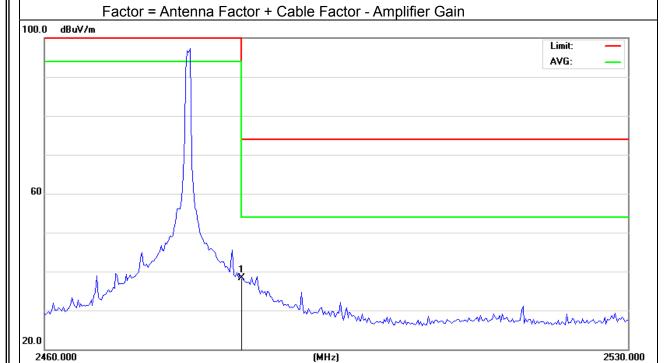


EUT:	RF Module	Model Name :	HT8
Temperature :	20 ℃	Relative Humidity:	48%
Pressure :	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2480MHz	Polarization :	Vertical

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Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	51.12	-12.78	38.34	74	-35.66	peak

Remark: The Factor is calculated by adding the Antenna and Cable Factor, and subtracting the AmplifierGain . The basic equation is as follows:



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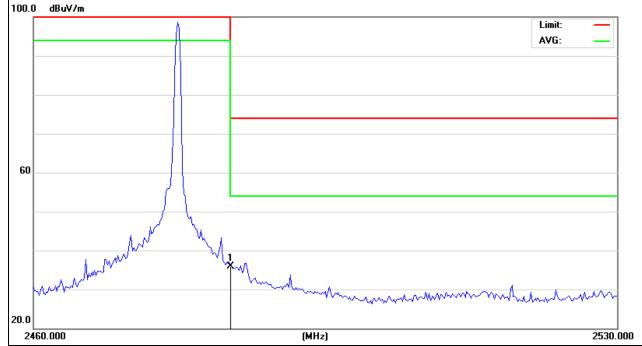


EUT:	RF Module	Model Name :	HT8
Temperature:	20 ℃	Relative Humidity:	48%
Pressure:	1010 hPa	Test Voltage :	DC 3.7V
Test Mode :	TX /2480MHz	Polarization :	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Detector Type
2483.5	48.6	-12.78	35.82	74	-38.18	peak

Remark: The Factor is calculated by adding the Antenna and Cable Factor, and subtracting the AmplifierGain . The basic equation is as follows:







4. BANDWIDTH TEST

4.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting : RBW= 100KHz, VBW ≥ RBW, Sweep time = Auto.

4.2 DEVIATION FROM STANDARD

No deviation.

4.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER



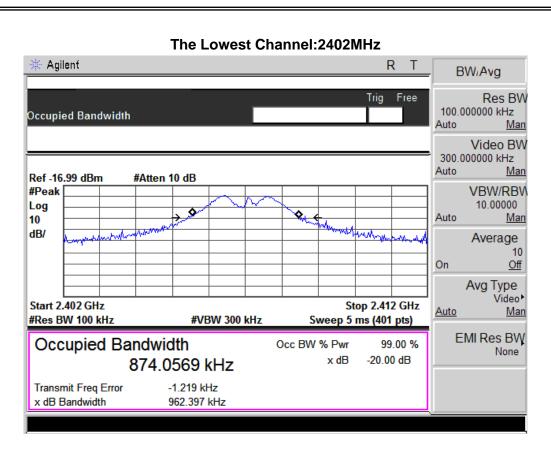
4.4 TEST RESULTS

EUT:	RF Module	Model Name :	HT8
Temperature :	26 ℃	Relative Humidity:	53%
Pressure :	1020 hPa	Test Power :	DC 3.7V
Test Mode :	TX CH 00/01/02		

Test Channel	Frequency (MHz)	20 dBc Bandwidth (MHz)	99% Bandwidth (MHz)
CH00	2402	0.962	0.874
CH01	2440	0.910	0.840
CH02	2480	0.862	0.868

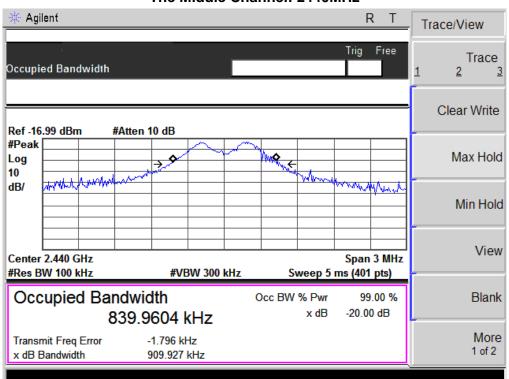
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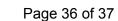




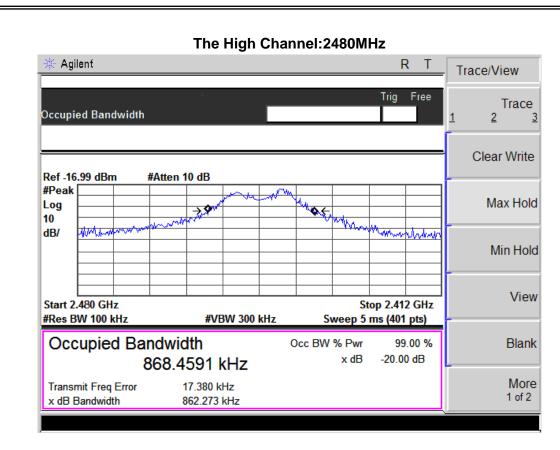
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The Middle Channel: 2440MHz









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5. EUT TEST PHOTO



