

RADIO TEST REPORT

The device described below is tested by Dongguan Nore Testing Center Co., Ltd. to determine the maximum emission levels emanating from the device, the severe levels which the device can endure and E.U.T.'s performance criterion. The test results, data evaluation, test procedures, and equipment of configurations shown in this report were made in accordance with the procedures in ANSI C63.10(2013).

Applicant/Manufacturer : DONGGUAN TOGRAN ELECTRONICS TECHNOLOGY CO.,LTD.

Address : 262 Shidan Rd., 3rd Industrial Area, Juzhou, Shijie Town, Dongguan City, China

Factory : DONGGUAN TOGRAN ELECTRONICS TECHNOLOGY CO.,LTD.

Address : 262 Shidan Rd., 3rd Industrial Area, Juzhou, Shijie Town, Dongguan City, China

E.U.T. : Receiver

Brand Name : N/A

Model No. : TM070G

FCC ID : 2AGLG-TM070G

Measurement Standard : FCC PART 15.249: 2016

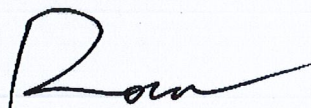
Date of Receiver : December 27, 2016

Date of Test : December 27, 2016 to January 12, 2017

Date of Report : January 12, 2017

This Test Report is Issued Under the Authority of :

Prepared by



Rose Hu / Engineer

Approved & Authorized Signer



Iori Fan / Authorized Signatory

This test report is for the customer shown above and their specific product only. This report applies to above tested sample only and shall not be reproduced in part without written approval of Dongguan Nore Testing Center Co., Ltd.

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Revision History of This Test Report

Report Number	Description	Issued Date
NTC1612205F	Initial Issue	2017-01-12

1. GENERAL INFORMATION

1.1 Product Description for Equipment under Test

This device is a Receiver, it's powered by DC 5V come from USB port. For more details features, please refer to User's Manual.

Product Name	: Receiver
Model Name	: TM070G
Model Difference Description	: None
Power Supply	: DC 5V come from USB port
Test Voltage	: AC 120V 60Hz PC Input

Technical Specification:

2.4G Function:

Frequency Range	: 2408~2474MHz
Modulation Type	: GFSK
Number of Channel	: 34
Channel Space	: 2MHz
Antenna Type	: PCB
Antenna Gain	: -2.10 dBi (Declaration by manufacturer)
Hardware version	: A0
Software version	: A0

Channel List:

Channel	Frequency MHz	Channel	Frequency MHz	Channel	Frequency MHz
1	2408	13	2432	25	2456
2	2410	14	2434	26	2458
3	2412	15	2436	27	2460
4	2414	16	2438	28	2462
5	2416	17	2440	29	2464
6	2418	18	2442	30	2466
7	2420	19	2444	31	2468
8	2422	20	2446	32	2470
9	2424	21	2448	33	2472
10	2426	22	2450	34	2474
11	2428	23	2452		
12	2430	24	2454		

Note: The Lowest, middle, and the Highest frequency of channel were selected to perform the test. The frequency selected see below:

The Lowest frequency: 2408MHz
The middle frequency: 2440MHz
The Highest frequency: 2474MHz

1.2 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2AGLG-TM070G filing to comply with Section 15.249 of the FCC Part 15 (2016), Subpart C Rule.

1.3 Test Methodology

Both AC mains line-conducted and radiated emission measurements were performed according to the procedures in ANSI C63.10 (2013). Radiated emission measurement was performed in semi-anechoic chamber and conducted emission measurement was performed in shield room. For radiated emission measurement, preliminary scans were performed in the semi-anechoic chamber only to determine the worst case modes. All radiated tests were performed at an antenna to EUT distance of 3 meters.

1.4 Equipment Modifications

Not available for this EUT intended for grant.

1.5 Support Device

Notebook PC 1	: Manufacturer: Lenovo Model: TP00067A P/N: SL10G10768 S/N: PF-0DS3YC 15/12 CE, FCC: DOC
Adapter (For Notebook PC)	: Manufacturer: Lenovo Model: ADLX65NLC3A I/P: AC 100-240V 50-60Hz, 1.8A O/P: DC 20V 3.25A
Notebook PC 2	: Manufacturer: IBM Model: 1834 P/N: 13N5615 CE, FCC: DOC
Adapter (For Notebook PC)	: Manufacturer: LITEON Model: PA-1900-05 I/P: AC 100-240V 50-60Hz, 1.5A O/P: DC 19V 4.74A

1.6 Test Facility and Location

Listed by CNAS, August 14, 2015

The certificate is valid until August 13, 2018

The Laboratory has been assessed and proved to be in compliance with CNAS/CL01

The Certificate Registration Number is L5795.

Listed by FCC, July 03, 2014

The Certificate Registration Number is 665078.

Listed by Industry Canada, June 18, 2014

The Certificate Registration Number is 46405-9743.

Dongguan NTC Co., Ltd.

(Full Name: Dongguan Nore Testing Center Co., Ltd.)

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Nancheng District, Dongguan City, Guangdong, China

(Full Name: Building D, Gaosheng Science & Technology Park,
Zhouxi Longxi Road, Nancheng District, Dongguan, Guangdong, China.

1.7 Summary of Test Results

FCC Rules	Description Of Test	Uncertainty	Result
§15.207(a)	AC Power Conducted Emission	±1.06dB	Compliant
§15.249(a)/ 15.209	Radiated Emissions	±3.70dB	Compliant
§15.249(d)/ 15.205	Band Edge	±1.70dB	Compliant
§15.215(c)	20dB Bandwidth	±1.42 x10 ⁻⁴ %	Compliant
§15.203	Antenna Requirement	----	Compliant

2. System Test Configuration

2.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.2 Special Accessories

Not available for this EUT intended for grant.

2.3 Description of test modes

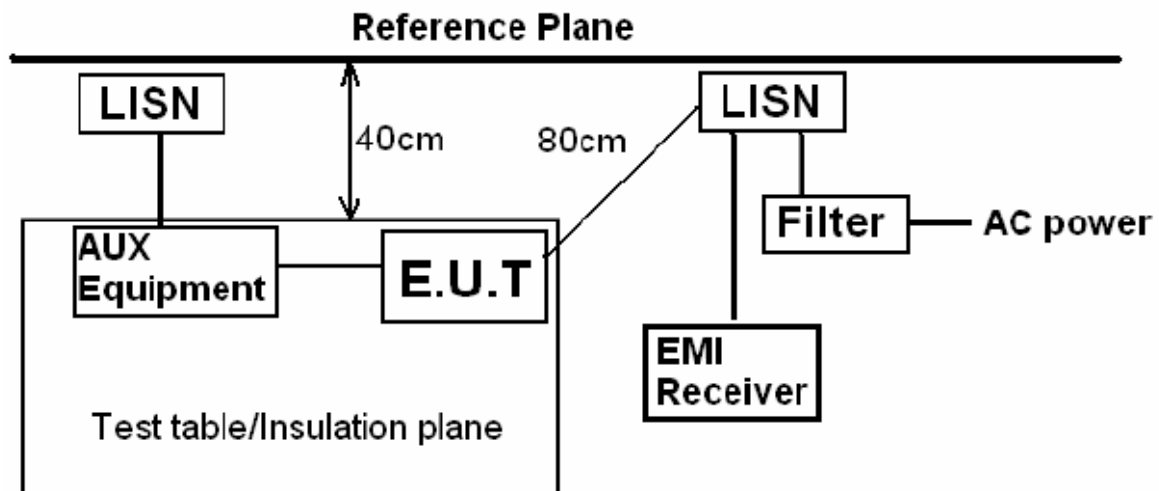
The EUT has been tested under operating condition. The Lowest, middle and highest frequencies were chosen for testing.

2.4 EUT Exercise

The EUT was operated in the engineering mode to fix the Tx frequency that was for the purpose of the measurements.

3. Conducted Emissions Test

3.1 Test SET-UP (Block Diagram of Configuration)



3.2 Test Condition

Test Requirement: FCC Part 15.207

Frequency Range: 150KHz ~ 30MHz

Detector: RBW 9KHz, VBW 30KHz

Operation Mode: TX

3.3 Measurement Results

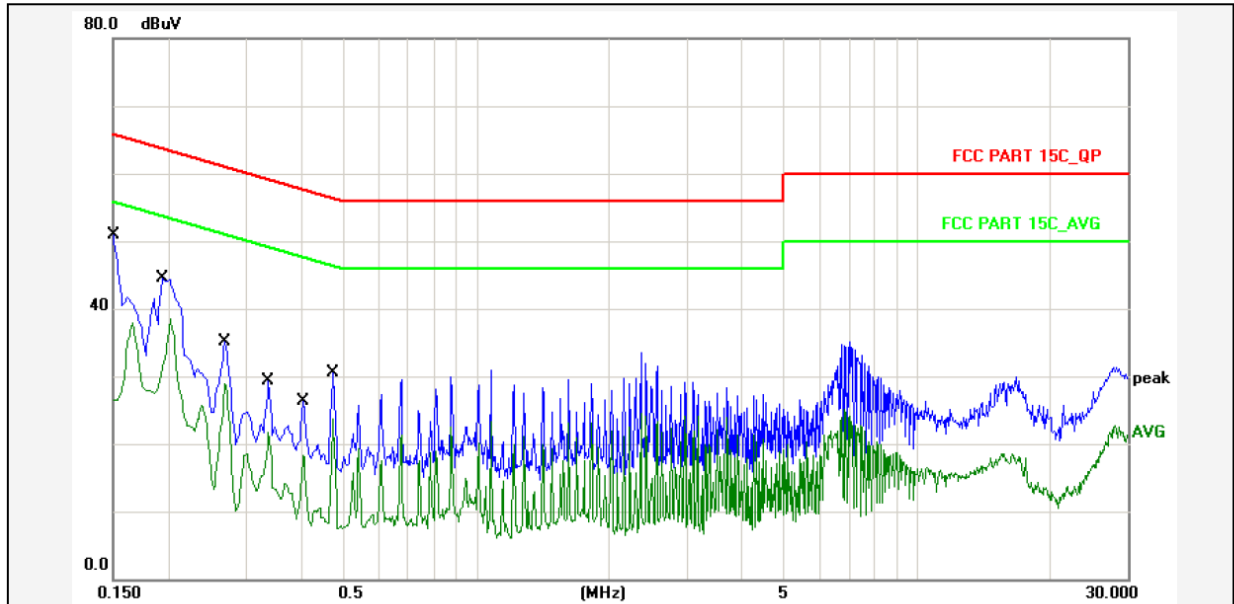
Please refer to following the test plots of the worst case: High channel.



Dongguan NTC Co., Ltd.
Tel: +86-769-22022444 Fax: +86-769-22022799
Web: <http://www.ntc-c.com>

Site: Conduction

Test Time: 2016-12-30 13:58:50



Report No.: TM070G

Test Standard: FCC PART 15C_QP

Test item: Conducted Emission

Applicant: Togran

Product: Receiver

Model No.: TM070G

Phase: L1

Temp.()/Hum.(%): 22(C) / 52 %

Power Rating: AC 120V/60Hz

Test Engineer: Lueng

Test Mode: TX

Remark:

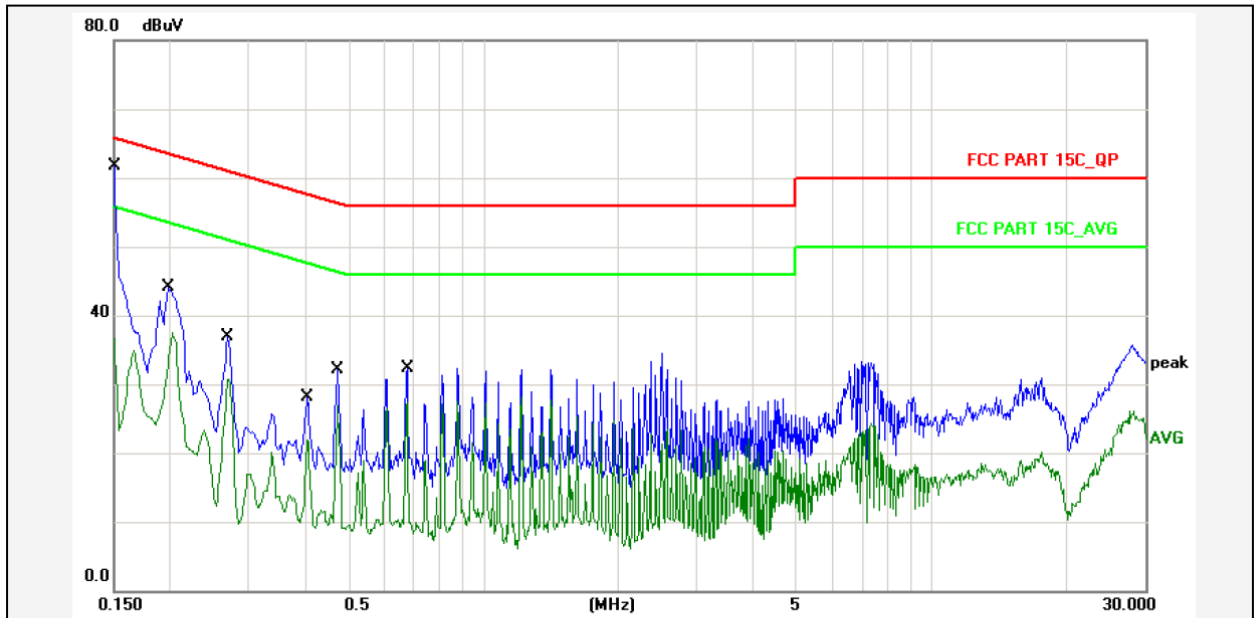
No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	10.80	37.40	48.20	65.99	-17.79	QP	P	
2	0.1500	10.80	22.40	33.20	55.99	-22.79	AVG	P	
3	0.1940	10.80	31.30	42.10	63.86	-21.76	QP	P	
4	0.1940	10.80	26.00	36.80	53.86	-17.06	AVG	P	
5	0.2700	10.80	22.20	33.00	61.12	-28.12	QP	P	
6	0.2700	10.80	15.90	26.70	51.12	-24.42	AVG	P	
7	0.3379	10.80	17.10	27.90	59.25	-31.35	QP	P	
8	0.3379	10.80	8.80	19.60	49.25	-29.65	AVG	P	
9	0.4060	10.80	13.40	24.20	57.73	-33.53	QP	P	
10	0.4060	10.80	5.90	16.70	47.73	-31.03	AVG	P	
11	0.4740	10.80	17.30	28.10	56.44	-28.34	QP	P	
12	0.4740	10.80	10.80	21.60	46.44	-24.84	AVG	P	



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Web: [Http://www.ntc-c.com](http://www.ntc-c.com)

Site: Conduction

Test Time: 2016-12-30 13:45:17



Report No.: TM070G

Test Standard: FCC PART 15C_QP

Test item: Conducted Emission

Applicant: Togran

Product: Receiver

Model No.: TM070G

Phase: N

Temp.()/Hum.(%): 22(C) / 52 %

Power Rating: AC 120V/60Hz

Test Engineer: Lueng

Test Mode: TX

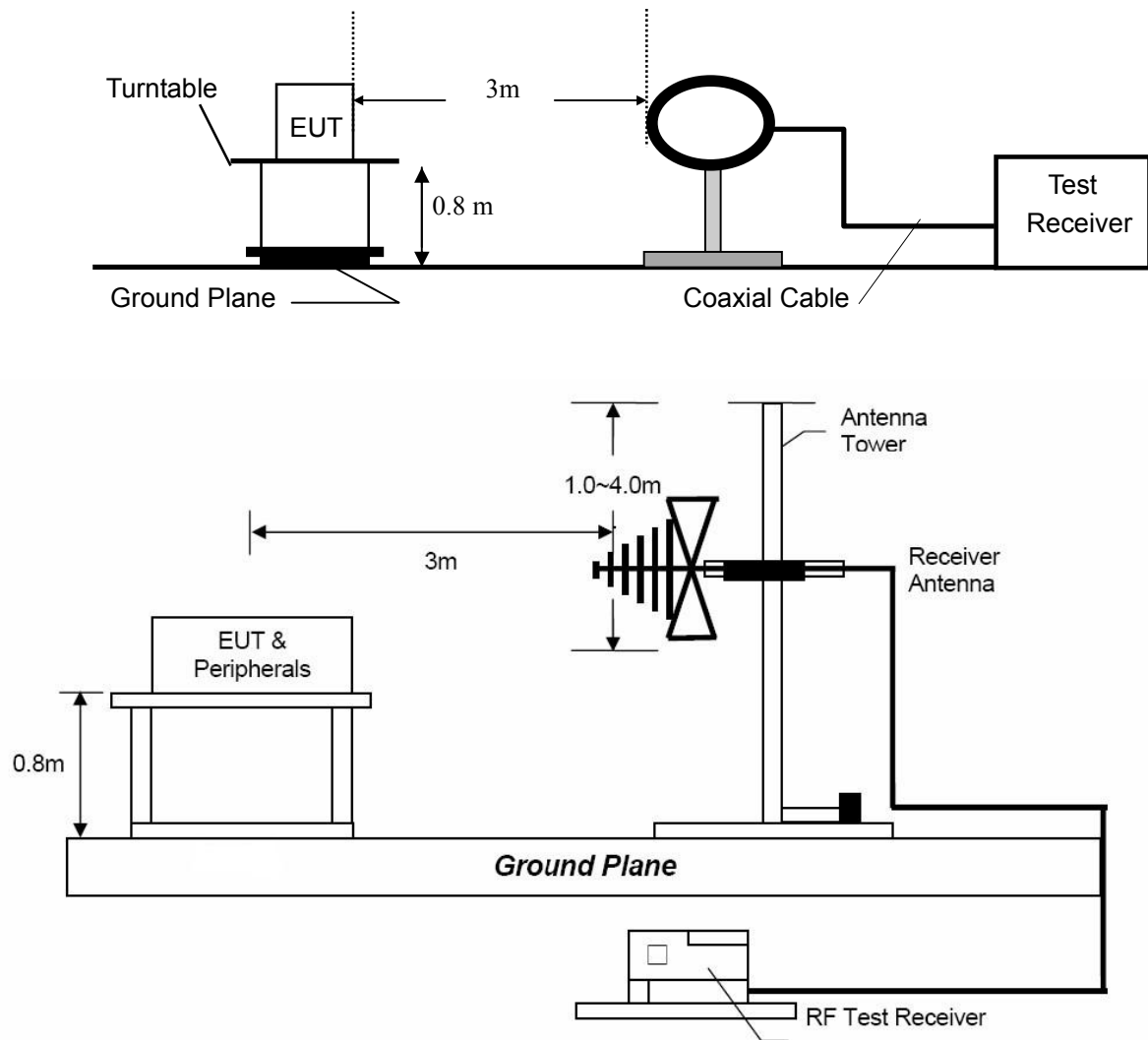
Remark:

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	10.80	48.10	58.90	65.99	-7.09	QP	P	
2	0.1500	10.80	23.40	34.20	55.99	-21.79	AVG	P	
3	0.1980	10.80	31.40	42.20	63.69	-21.49	QP	P	
4	0.1980	10.80	24.80	35.60	53.69	-18.09	AVG	P	
5	0.2700	10.80	23.90	34.70	61.12	-26.42	QP	P	
6	0.2700	10.80	17.40	28.20	51.12	-22.92	AVG	P	
7	0.4060	10.80	15.30	26.10	57.73	-31.63	QP	P	
8	0.4060	10.80	8.50	19.30	47.73	-28.43	AVG	P	
9	0.4740	10.80	19.20	30.00	56.44	-26.44	QP	P	
10	0.4740	10.80	13.70	24.50	46.44	-21.94	AVG	P	
11	0.6780	10.80	19.50	30.30	56.00	-25.70	QP	P	
12	0.6780	10.80	14.90	25.70	46.00	-20.30	AVG	P	

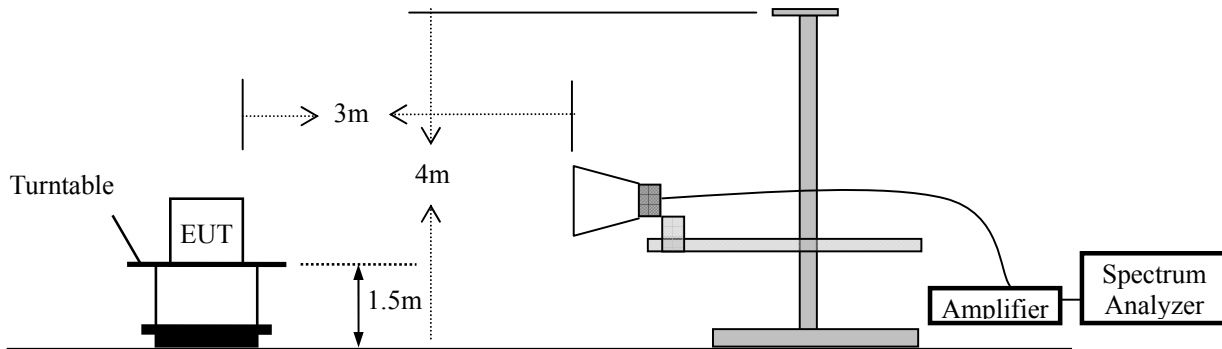
4. Radiated Emission Test

4.1 Test SET-UP (Block Diagram of Configuration)

4.1.1 Radiated Emission Test Set-Up, Frequency Below 30MHz



4.1.2 Radiated Emission Test Set-Up, Frequency above 1GHz



4.2 Measurement Procedure

- a. Blow 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi- anechoic chamber room.
- b. For the radiated emission test above 1GHz:
The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter full anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- c. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to peak detect function and specified bandwidth with maximum hold mode.
- f. A Quasi-peak measurement was then made for that frequency point for below 1GHz test. PK and AV for above 1GHz emission test.

During the radiated emission test, the spectrum analyzer was set with the following configurations:

Frequency Band (MHz)	Level	Resolution Bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	3 MHz
	Average	1 MHz	10 Hz

4.3 Limit

Frequency range MHz	Distance Meters	Field Strengths Limit (15.209)	
		$\mu\text{V/m}$	
0.009 ~ 0.490	300	2400/F(kHz)	
0.490 ~ 1.705	30	24000/F(kHz)	
1.705 ~ 30	30	30	
30 ~ 88	3	100	
88 ~ 216	3	150	
216 ~ 960	3	200	
Above 960	3	500	
Frequency range MHz	Distance Meters	Field Strengths Limit (15.249)	
		mV/m (Field strength of fundamental)	$\mu\text{V/m}$ (Field strength of Harmonics)
902 ~ 928	3	50	500
2400 ~ 2483.5	3	50	500
5725 ~ 5875	3	50	500
24000 ~ 2425000	3	250	2500

- Remark : (1) Emission level (dB) μV = 20 log Emission level $\mu\text{V/m}$
(2) The smaller limit shall apply at the cross point between two frequency bands.
(3) As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.
(4) The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower.

4.4 Measurement Results

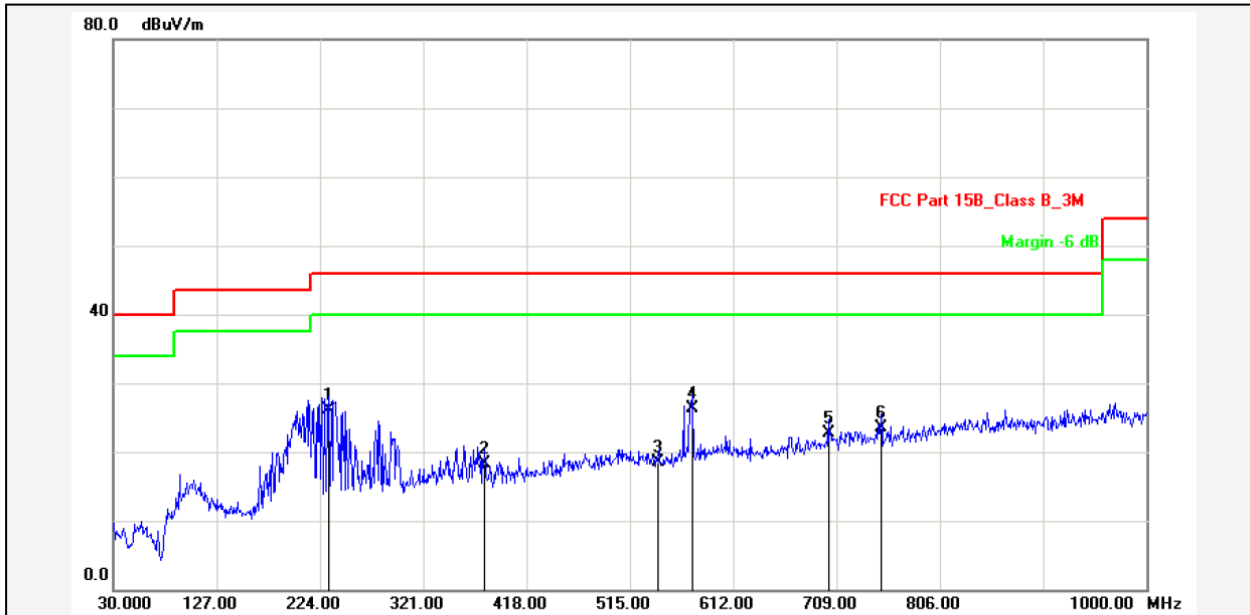
Please refer to following the test plots of the worst case: High channel.



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Tel: +86-769-22022444 Fax: +86-769-22022799
Web: [Http://www.ntc-c.com](http://www.ntc-c.com)

Site: Conduction

Test Time: 2017-1-3 10:53:41



Report No.: TM070G

Test Standard: FCC Part 15B_Class B_3M

Test item: Radiation Emission

Applicant: Togran

Product: Receiver

Model No.: TM070G

Test Distance: 3m

Ant. Polarization: Horizontal

Temp.()/Hum.(%): 22(C) / 54 %

Power Rating: AC 120V/60Hz

Test Engineer: Chilam

Test Mode: TX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth ()	P/F	Remark
1	232.7300	-12.33	38.53	26.20	46.00	-19.80	QP			P	
2	378.2300	-9.19	27.49	18.30	46.00	-27.70	QP			P	
3	542.1598	-6.64	25.14	18.50	46.00	-27.50	QP			P	
4	573.2000	-5.78	32.08	26.30	46.00	-19.70	QP			P	
5	701.2400	-3.81	26.51	22.70	46.00	-23.30	QP			P	
6	750.7100	-2.58	26.08	23.50	46.00	-22.50	QP			P	

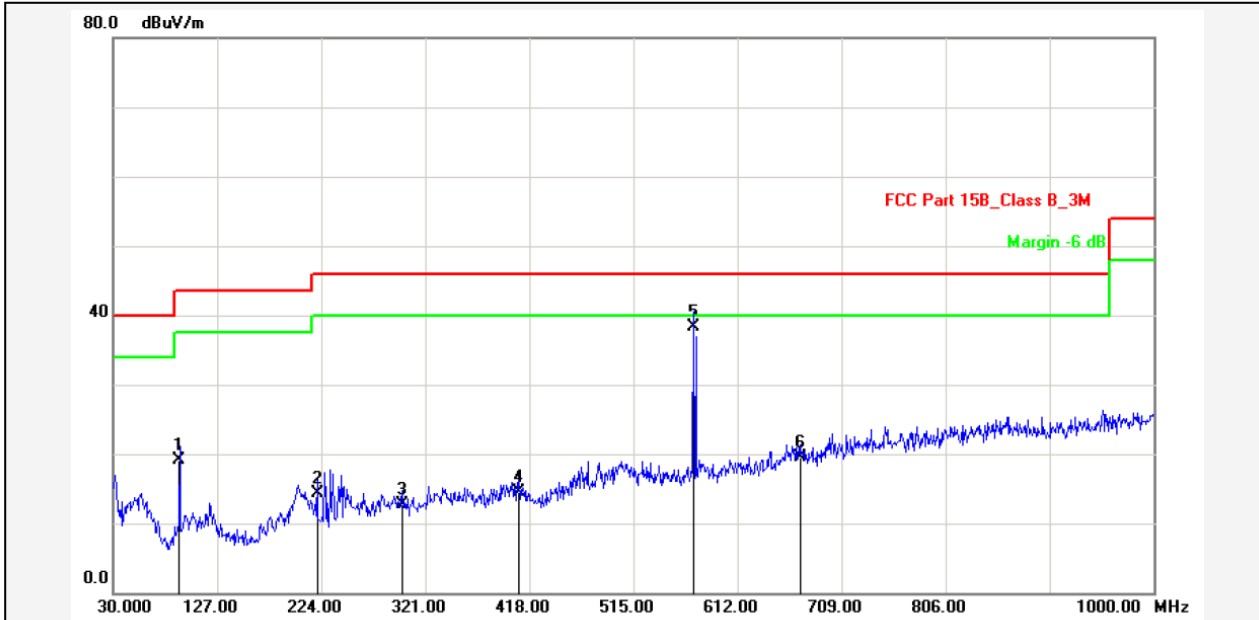
Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.



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Tel: +86-769-22022444 Fax: +86-769-22022799
Web: <http://www.ntc-c.com>

Site: Conduction

Test Time: 2017-1-3 10:46:10



Report No.: TM070G

Test Standard: FCC Part 15B_Class B_3M

Test item: Radiation Emission

Applicant: Togran

Product: Receiver

Model No.: TM070G

Test Distance: 3m

Ant. Polarization: Vertical

Temp.()/Hum.(%): 22(C) / 54 %

Power Rating: AC 120V/60Hz

Test Engineer: Chilam

Test Mode: TX

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth ()	P/F	Remark
1	92.0798	-16.45	35.65	19.20	43.50	-24.30	QP			P	
2	220.1200	-15.97	30.27	14.30	46.00	-31.70	QP			P	
3	299.6600	-12.47	25.17	12.70	46.00	-33.30	QP			P	
4	408.3000	-11.33	25.83	14.50	46.00	-31.50	QP			P	
5	571.2599	-7.85	46.15	38.30	46.00	-7.70	QP			P	
6	670.2000	-4.61	24.11	19.50	46.00	-26.50	QP			P	

Note: Below 30MHz, the emissions are lower than 20dB below the allowable limit.

Frequency Range: 1-25GHz
Test Result: PASS
Measured Distance: 3m
Test By: Sance

Test Date : January 04, 2017
Temperature : 21 °C
Humidity : 55 %

Freq. (MHz)	Ant.Pol. (H/V)	Reading Level(dBuV)		Factor (dB/m)	Emission Level (dBuV)		Limit 3m (dBuV/m)		Margin (dB)	
		PK	AV		PK	AV	PK	AV	PK	AV
Operation Mode: TX Mode (Low)										
2408	V	78.91	67.05	0.15	79.06	67.20	114.00	94.00	-34.94	-26.80
4816	V	45.46	33.83	6.36	51.82	40.19	74.00	54.00	-22.18	-13.81
7224	V	45.15	33.97	10.46	55.61	44.43	74.00	54.00	-18.39	-9.57

2408	H	81.62	70.96	0.15	81.77	71.11	114.00	94.00	-32.23	-22.89
4816	H	46.05	34.39	6.36	52.41	40.75	74.00	54.00	-21.59	-13.25
7224	H	45.67	35.33	10.46	56.13	45.79	74.00	54.00	-17.87	-8.21

Operation Mode: TX Mode (Mid)										
2440	V	81.49	70.54	0.23	81.72	70.77	114.00	94.00	-32.28	-23.23
4880	V	45.51	34.21	6.60	52.11	40.81	74.00	54.00	-21.89	-13.19
7320	V	45.18	33.09	10.55	55.73	43.64	74.00	54.00	-18.27	-10.36

2440	H	77.7	64.87	0.23	77.93	65.10	114.00	94.00	-36.07	-28.90
4880	H	44.86	35.11	6.60	51.46	41.71	74.00	54.00	-22.54	-12.29
7320	H	39.79	31.13	10.55	50.34	41.68	74.00	54.00	-23.66	-12.32

Operation Mode: TX Mode (High)										
2474	V	81.73	70.38	0.33	82.06	70.71	114.00	94.00	-31.94	-23.29
4948	V	45.31	35.68	6.85	52.16	42.53	74.00	54.00	-21.84	-11.47
7422	V	45.36	34.32	10.59	55.95	44.91	74.00	54.00	-18.05	-9.09

2474	H	83.85	72.16	0.33	84.18	72.49	114.00	94.00	-29.82	-21.51
4948	H	44.98	33.50	6.85	51.83	40.35	74.00	54.00	-22.17	-13.65
7422	H	43.67	33.12	10.59	54.26	43.71	74.00	54.00	-19.74	-10.29

- Note:**
- (1) All Readings are Peak Value and AV.
 - (2) Emission Level= Reading Level + Factor
 - (3) Factor= Antenna Gain + Cable Loss – Amplifier Gain
 - (4) Data of measurement within this frequency range shown “ ---” in the table above means the reading of emissions are attenuated more than 10dB below the permissible limits.
 - (5) Measurement uncertainty : ± 3.7 dB.
 - (6) Horn antenna used for the emission over 1000MHz.

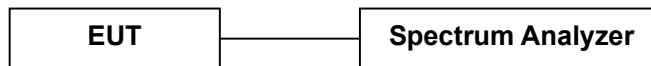
5. 20dB Bandwidth

5.1 Measurement Procedure

The 20dB bandwidth of the emission was contained within the frequency band designated which the EUT operated. The effects, if any, from frequency sweeping, frequency hopping, other modulation techniques and frequency stability over excepted variations in temperature and supply voltage were considered, FCC Rule 15.215(c):

The antenna port of the EUT was connected to the input of a spectrum analyzer. Analyzer RBW was chosen so that the display was a result of the hopping channel modulation. For each RF output channel investigated, the spectrum analyzer center frequency was set to the channel carrier. Use the spectrum 20dB down delta function to measure the bandwidth.

5.2 Test SET-UP (Block Diagram of Configuration)



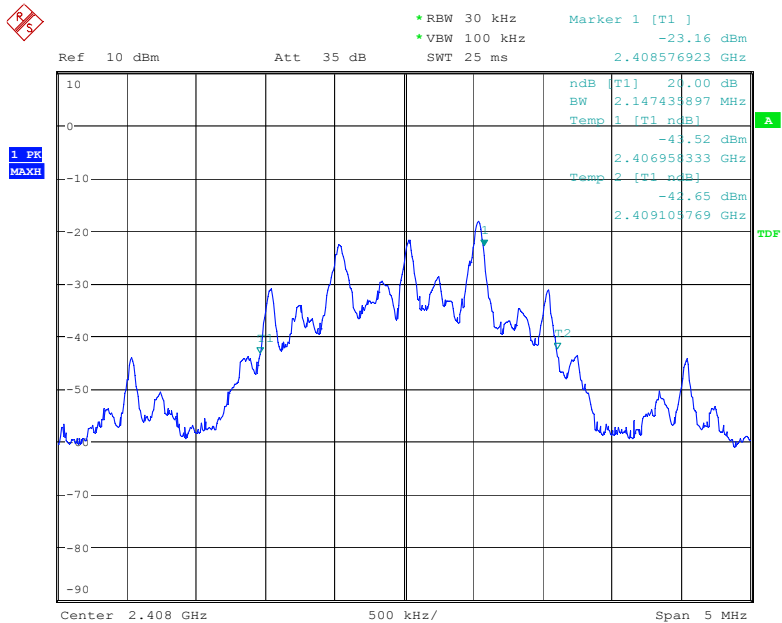
5.3 Measurement Results

Refer to attached data chart.

RBW:	100KHz	VBW:	300KHz
Spectrum Detector:	PK	Temperature :	22 °C
Test By:	Sance	Humidity :	54 %
Test Result:	PASS	Test Date :	January 11, 2017

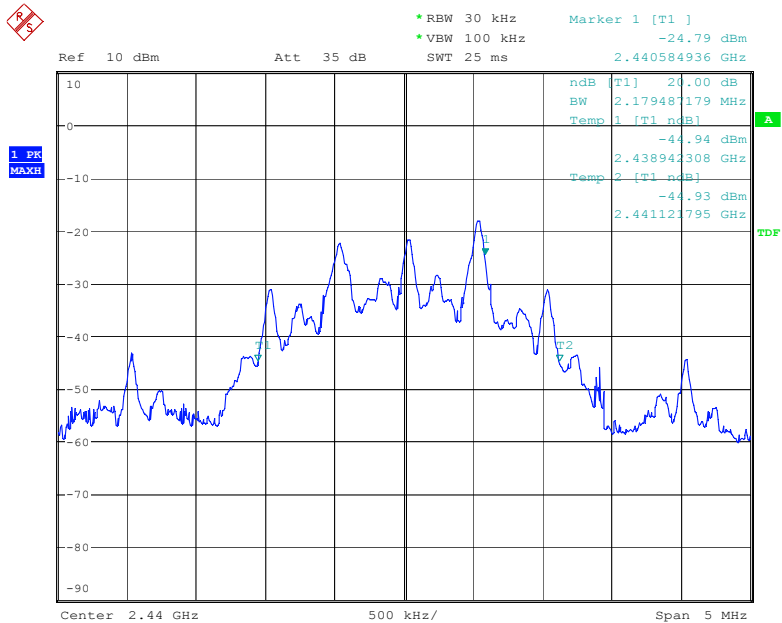
Channel frequency (MHz)	20dB Down BW(kHz)
2408	2147
2440	2179
2474	2171

Lowest Channel



Date: 11.JAN.2017 13:51:14

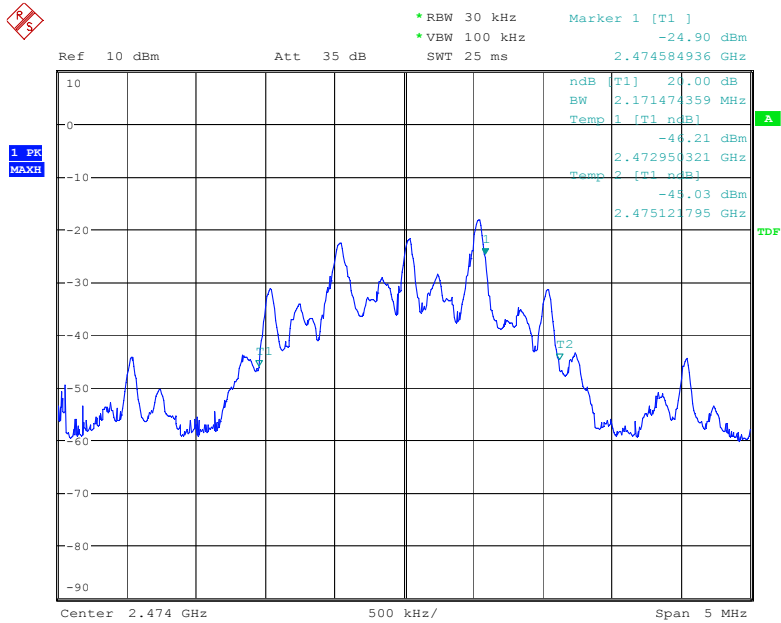
Middle Channel



Date: 11.JAN.2017 14:02:28



Highest Channel



Date: 11.JAN.2017 13:57:14

6. Band Edge

6.1 Measurement Procedure

Same as Radiated Emission Test.

6.2 Limit

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 §15.209, whichever is the lesser attenuation.

6.3 Measurement Results

Operation Mode:	TX Mode	Test Date :	January 04, 2017
Temperature :	21 °C	Humidity :	55 %
Test Result:	PASS	Test By:	Sance
Measured Distance:	3m		

Freq. (MHz)	Ant.Pol. (H/V)	Reading Level(dBuV)		Factor (dB/m)	Emission Level (dBuV)		Limit 3m (dBuV/m)		Margin (dB)	
		PK	AV		PK	AV	PK	AV	PK	AV
2390.000	H	43.08	30.50	0.09	43.17	30.59	74.00	54.00	-30.83	-23.41
2390.000	V	43.47	32.64	0.09	43.56	32.73	74.00	54.00	-30.44	-21.27
2400.000	H	44.15	33.42	0.11	44.26	33.53	74.00	54.00	-29.74	-20.47
2400.000	V	43.75	33.04	0.11	43.86	33.15	74.00	54.00	-30.14	-20.85
2483.500	H	47.29	36.79	0.34	47.63	37.13	74.00	54.00	-26.37	-16.87
2483.500	V	49.81	40.12	0.34	50.15	40.46	74.00	54.00	-23.85	-13.54

Note: (1) Emission Level= Reading Level + Factor
(2) Factor= Antenna Gain + Cable Loss – Amplifier Gain
(3) Horn antenna used for the emission over 1000MHz.

7. Antenna requirement

7.1 Measurement Procedure

According to of FCC part 15C 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

7.2 Measurement Results

The antenna is PCB antenna and no consideration of replacement, and the best case gain of the antenna is -2.10dBi. So, the antenna is consider meet the requirement.

8. Test Equipment List

Description	Manufacturer	Model Number	Serial Number	Characteristics	Calibration Date	Calibration Due Date
Test Receiver	Rohde & Schwarz	ESCI7	100837	9KHz~7GHz	Nov. 23, 2016	Nov. 22, 2017
Antenna	Schwarzbeck	VULB9162	9162-010	30MHz~7GHz	Nov. 26, 2016	Nov. 25, 2017
Positioning Controller	UC	UC 3000	N/A	0~360°, 1-4m	N/A	N/A
Color Monitor	SUNSPO	SP-140A	N/A	N/A	N/A	N/A
Single Phase Power Line Filter	SAEMC	PF201A-32	110210	32A	N/A	N/A
3 Phase Power Line Filter	SAEMC	PF401A-200	110318	200A	N/A	N/A
DC Power Filter	SAEMC	PF301A-200	110245	200A	N/A	N/A
Cable	Huber+Suhner	CBL2-NN-1M	22390001	9KHz~7GHz	Nov. 06, 2016	Nov. 05, 2017
Cable	Huber+Suhner	CIL02	N/A	9KHz~7GHz	Nov. 06, 2016	Nov. 05, 2017
RF Cable	Huber+Suhner	SF-104	MY16559/4	9KHz~25GHz	Mar. 06, 2016	Mar. 05, 2017
Power Amplifier	HP	HP 8447D	1145A00203	100KHz~1.3GHz	Nov. 06, 2016	Nov. 05, 2017
Horn Antenna	Schwarzbeck	BBHA9170	9170-372	15GHz~26.5GHz	Oct.22, 2016	Oct.21, 2017
Horn Antenna	Com-Power	AH-118	071078	1GHz~18GHz	Nov. 04, 2016	Nov. 03, 2017
Loop antenna	Daze	ZA30900A	0708	9KHz~30MHz	Oct.09, 2016	Oct.08, 2017
Spectrum Analyzer	Rohde & Schwarz	FSU26	200409/026	20Hz~26.5GHz	Aug. 31, 2016	Aug. 30, 2017
Pre-Amplifier	Agilent	8449B	3008A02964	1GHz~26.5GHz	Nov. 02, 2016	Nov. 01, 2017
L.I.S.N.	Rohde & Schwarz	ENV 216	101317	9KHz~30MHz	Nov. 06, 2016	Nov. 07, 2017
Temporary antenna connector	TESCOM	SS402	N/A	9KHz-25GHz	N/A	N/A

Note: The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.

---End---