



Spot Check Evaluation

APPLICANT : Greater Goods,LLC
EQUIPMENT : GG LTE-M Scale 0025
BRAND NAME : Greater Goods
MODEL NAME : GG LTE-M Scale 0025
FCC ID : 2ADUL-0025
STANDARD : 47 CFR Part 2, 24(E), 27(L), 27(H)
TEST DATE(S) : Jan. 07, 2022

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Reviewed by: Derreck Chen / Supervisor

Approved by: Eric Shih / Manager



Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
1D2034-01	Rev. 01	Initial issue of report	Feb. 28, 2022



1 General Description

1.1 Applicant

Greater Goods,LLC
4427 Chouteau Ave., St. Louis MO 63110, United States

1.2 Manufacturer

Greater Goods,LLC
4427 Chouteau Ave., St. Louis MO 63110, United States

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	GG LTE-M Scale 0025
Brand Name	Greater Goods
Model Name	GG LTE-M Scale 0025
FCC ID	2ADUL-0025
HW Version	Rev1
SW Version	A02
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Modification of EUT

No modifications are made to the EUT during all test items.



1.5 Testing Location

Sporton International Inc. (Shenzhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055 People's Republic of China TEL: +86-755-86379589 FAX: +86-755-86379595		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ	CN1256	421272

Test Firm	Sporton International Inc. (Shenzhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City Guangdong Province China 518103 TEL: +86-755-33202398		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	03CH04-SZ	CN1256	421272

1.6 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH04-SZ	AUDIX	E3	6.2009-8-24



2 Re-use of Measured Data

2.1 Introduction Section

The subject device of this application (Model: GG LTE-M Scale 0025, FCC ID: 2ADUL-0025) is electrically identical to the reference device (Model: Omada LTE-M Scale 0020, FCC ID: Contains FCC ID:2ADUL-0020) for the portions of the circuitry corresponding to the data being re-used. Based on their similarity, the FCC Part 24, 27 (equipment class: PCB) reuse the original model's result and do spot-check, following the FCC KDB 996369 D02.

The reference device was installed a module: M2M DATA MODULE (FCC ID: 2ADUL-0020)

2.2 Model Difference Information

All the details of similarity and difference between two projects can be found in the confidential documents (GG LTE-M Scale 0025 _Operational Description of Product Equality Declaration).

2.3 Reference detail Section:

Rule Part	Equipment Class	Frequency Band (MHz)	Reference FCC ID(Parent)	Type Grant/ Permissive Change	Reference Title	FCC ID Filling (Variant)	Report Title/Section
24,27	PCB (LTE)	B2/4/12	2ADUL-0020	Original Grant	FG962003	2ADUL-0025	All sections applicable
			Contains FCC ID:2ADUL-0020	C2PC			



2.4 Spot Check Verification Data Section

Conducted power test and Radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model

Summary for power and RSE spot check for each rule entry and technology is listed as below:

Test Item	Mode	Parent Worst Result	Variant Check Result	Difference (dB)
Conducted Power (dBm)	LTE Band 2	23.82	23.30	0.52
	LTE Band 4	23.87	23.37	0.50
	LTE Band 12	23.79	23.08	0.71

Test Item	Mode	Parent Worst Result	Variant Check Result	Difference (dB)
Radiated Spurious Emission (dBm)	LTE Band 2	-32.35	-34.59	2.24
	LTE Band 4	-27.20	-28.79	1.59
	LTE Band 12	-29.21	-41.65	12.44

Conclusion:

Radiated spurious emission test against the variant model based on the worst-case condition from the original model was performed in this filing to demonstrate the test data from original model remains representative for the variant model.

Based on the spot check test result, the test data from the original model is representative for the variant model. The power level and RSE spot check are shown within expected level compliant to limit line.

We are using power and ERP/EIRP measurements from the original parent model reports to list on the grant.



3 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 08, 2021	Jan. 07, 2022	Apr. 07, 2022	Conducted (TH01-SZ)
EMI Test Receiver	R&S	ESR7	101404	9kHz~7GHz	Oct. 22, 2021	Jan. 07, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 20, 2021	Jan. 07, 2022	Jul. 19, 2022	Radiation (03CH04-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2021	Jan. 07, 2022	Jun. 21, 2022	Radiation (03CH04-SZ)
Bilog Antenna	TeseQ	CBL6111D	41909	30MHz~1GHz	Oct. 22, 2021	Jan. 07, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
Double Ridge Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1474	1GHz~18GHz	Jul. 15, 2021	Jan. 07, 2022	Jul. 14, 2022	Radiation (03CH04-SZ)
Horn Antenna	SCHWARZBECK	BBHA9170	9170#679	15GHz~40GHz	Jul. 25, 2021	Jan. 07, 2022	Jul. 24, 2022	Radiation (03CH04-SZ)
Amplifier	Burgeon	BPA-530	102211	0.01Hz~3000MHz	Oct. 22, 2021	Jan. 07, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 22, 2021	Jan. 07, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 20, 2021	Jan. 07, 2022	Jul. 19, 2022	Radiation (03CH04-SZ)
Amplifier	Agilent Technologies	83017A	MY53270156	500MHz~26.5GHz	Oct. 22, 2021	Jan. 07, 2022	Oct. 21, 2022	Radiation (03CH04-SZ)
AC Power Source	Chroma	61601	N/A	N/A	NCR	Jan. 07, 2022	NCR	Radiation (03CH04-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jan. 07, 2022	NCR	Radiation (03CH04-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jan. 07, 2022	NCR	Radiation (03CH04-SZ)

NCR: No Calibration Required.

-THE END-