



FCC RF Test Report

APPLICANT : Emerson Digital Cold Chain, Inc.
EQUIPMENT : Global PCBA
BRAND NAME : Emerson
MODEL NAME : NNT-TG05
FCC ID : AMH101019
STANDARD : 47 CFR Part 2, and 90(S)
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Jun. 24, 2022 ~ Jun. 28, 2022

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown 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.

Jason Jia



Approved by: Jason Jia

Sporton International Inc. (ShenZhen)

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People's Republic of China



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FW260705	Rev. 01	Initial issue of report	Aug. 04, 2022



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.1	§2.1046	Conducted Output Power	—	Report only	-
3.2	§2.1053 §90.691	Field Strength of Spurious Radiation	$< 43 + 10 \log_{10}(P[\text{Watts}])$	PASS	Under limit 31.69 dB at 1628.500 MHz

Remark : This is a change in FCC ID report in conjunction with a permissive change, the original FCC ID is XMR201707BG96. The change note could be referred to the Class II Permissive Change letter which is exhibit separately. According to the change, verify the conducted power / RSE.

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.



1 General Description

1.1 Applicant

Emerson Digital Cold Chain, Inc.

7121 Fairway Dr. Suite #400 | Palm Beach Gardens, FL 33418 USA

1.2 Manufacturer

Konka Smart Technology Co. , Ltd

No.12, West Section of Gangyuan Road, Guoxing Avenue, Lingang Economic Development Zone, Yibin City, P.R.China ZIP:511581

1.3 Feature of Equipment Under Test

Product Feature	
Equipment	Global PCBA
Brand Name	Emerson
Model Name	NNT-TG05
FCC ID	AMH101019
IMEI Code	Radiation: 860640054180619
HW Version	BR0C
SW Version	Ver 1.0.a18
EUT Stage	Production Unit

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 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
Tx Frequency	LTE Category M1: 814.7 ~ 823.3 MHz NB-IOT Category NB1 : 814.1 MHz ~ 823.9 MHz
Rx Frequency	LTE Category M1: 859.7 ~ 868.3 MHz NB-IOT Category NB1 : 859.1 MHz ~ 868.9 MHz
Bandwidth	LTE Category M1:1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz NB-IOT Category NB1:200KHz
Sub-carrier Spacing	NB-IoT: 3.75kHz / 15kHz
Maximum Output Power to Antenna	LTE Cat M1: 22.90 dBm NB-IoT: 23.08 dBm
Antenna Gain	-5.51 dBi
Type of Modulation	LTE Cat M1: QPSK / 16QAM NB-IoT: BPSK / QPSK

1.5 Modification of EUT

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

1.6 Maximum Conducted Power

LTE Band 26-Cat M1		QPSK	16QAM
BW (MHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
1.4	814.7 ~ 823.3	0.1928	0.1950
3	815.5 ~ 822.5	0.1919	0.1945
5	816.5 ~ 821.5	0.1914	0.1919
10	819.0	0.1945	0.1941
15	821.5	0.1905	0.1923
LTE Band 26-NB-IoT		BPSK	QPSK
Sub-Carrier Spacing (kHz)	Frequency Range (MHz)	Maximum Conducted power (W)	Maximum Conducted power (W)
3.75	814.1 ~ 823.9	0.1750	0.1698
15	814.1 ~ 823.9	0.2028	0.1766

1.7 Testing Site

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.
	03CH01-SZ	CN1256	421272



1.8 Test Software

Item	Site	Manufacturer	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24

1.9 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR Part 2, 90(S)
- ♦ ANSI C63.26-2015
- ♦ FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- ♦ FCC KDB 971168 D02 Misc Rev Approv License Devices v02r01

Remark:

1. All test items were verified and recorded according to the standards and without any deviation during the test.
2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.



2 Test Configuration of Equipment Under Test

2.1 Test Mode

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission is 30 MHz to 9000 MHz.

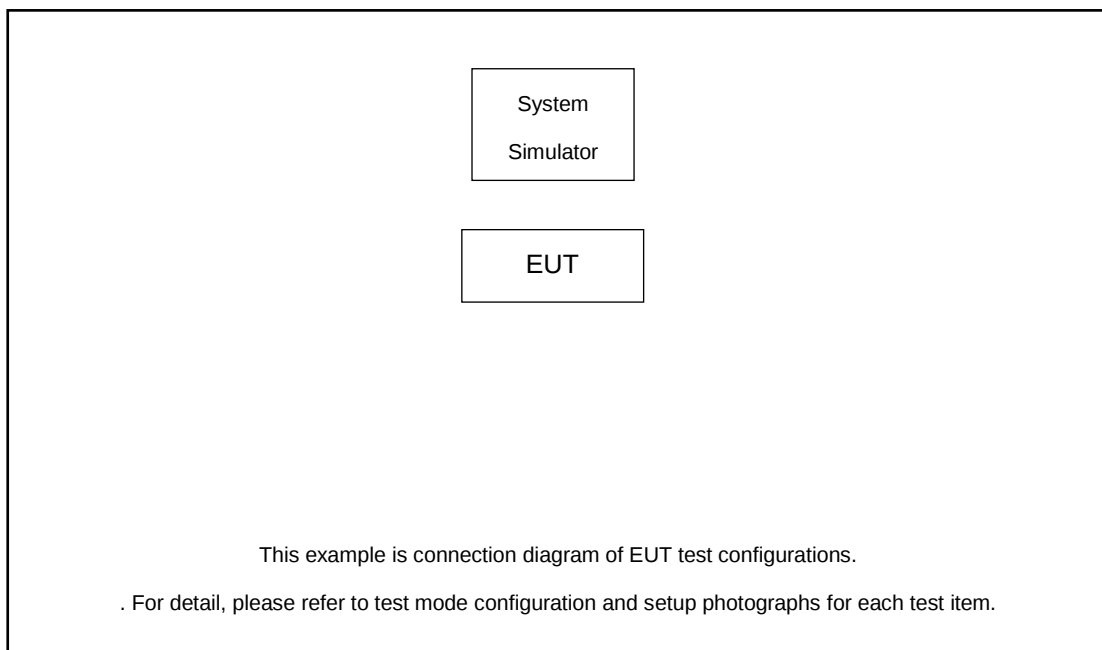
For LTE Cat M1:

Test Items	Band	Bandwidth (MHz)						Modulation		RB #			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
Max. Output Power	26	v	v	v	v	v	-	v	v	v	-	v	v	v	v
Radiated Spurious Emission	26	v	v	v	v	v	-	v		v			v	v	v
Note	1. The mark "v" means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. LTE Band26 transmit frequency for part22 rule is 824MHz-849MHz, for part90 rule is 814MHz-824MHz. ERP over 15MHz bandwidth complies the ERP limit line of part22 rule, therefore ERP of the partial frequency spectrum which falls within part 22 also complies.														

For NB-IoT:

Test Items	Band	Sub-carrier Spacing (kHz)		Modulation		Tones #			Test Channel		
		3.75	15	BPSK	QPSK	1	-	12	L	M	H
Max. Output Power	26	v	v	v	v	v	-	v	v	v	v
Radiated Spurious Emission	26		v		v	v			v	v	v

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8820C	N/A	N/A	Unshielded, 1.8 m
2.	Adapter	N/A	N/A	N/A	N/A	N/A
3.	Antenna	N/A	N/A	N/A	N/A	N/A

2.4 Frequency List of Low/Middle/High Channels

LTE Band 26 Cat M1 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26765	-	-
	Frequency	821.5	-	-
10	Channel	-	26740	-
	Frequency	-	819	-
5	Channel	26715	26740	26765
	Frequency	816.5	819	821.5
3	Channel	26705	26740	26775
	Frequency	815.5	819	822.5
1.4	Channel	26697	26740	26783
	Frequency	814.7	819	823.3

LTE Band 26 NB IoT Channel and Frequency List				
Sub-carrier Spacing (kHz)	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	26691	26740	26789
	Frequency	814.1	819	823.9
3.75	Channel	26691	26740	26789
	Frequency	814.1	819	823.9

3 Test Result

3.1 Conducted Output Power Measurement

3.1.1 Description of the Conducted Output Power Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to enforce EUT transmitting at the maximum power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

3.1.3 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

3.1.4 Test Setup



3.1.5 Test Result of Conducted Output Power

Please refer to Appendix A.

3.2 Field Strength of Spurious Radiation Measurement

3.2.1 Description of Field Strength of Spurious Radiated Measurement

The radiated spurious emission was measured by substitution method according to ANSI/TIA-603-E. The power of any emission FCC Part 90.691 on any frequency removed from the assigned frequency by more than 250 percent of the authorized bandwidth at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log_{10}(P[\text{Watts}])$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

3.2.2 Measuring Instruments

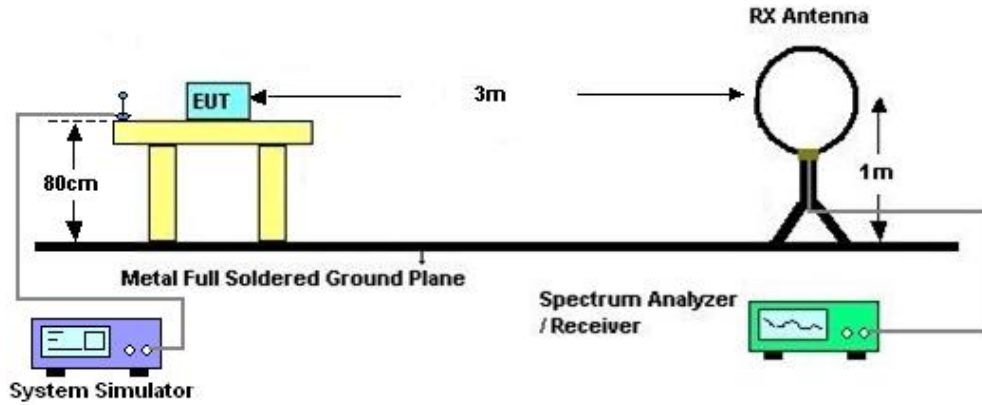
The measuring equipment is listed in the section 4 of this test report.

3.2.3 Test Procedures

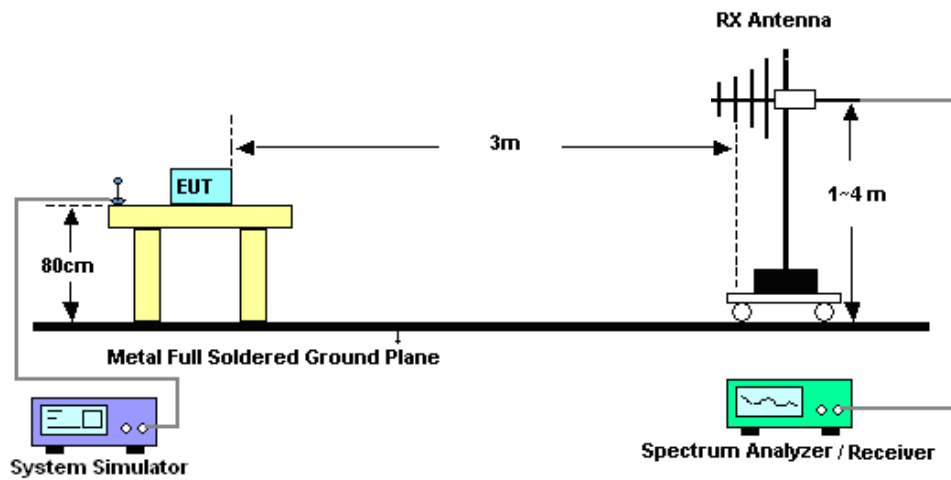
1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, Sweep = 500ms, Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. $\text{EIRP (dBm)} = \text{S.G. Power} - \text{Tx Cable Loss} + \text{Tx Antenna Gain}$
11. $\text{ERP (dBm)} = \text{EIRP} - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
13. The limit line is derived from $43 + 10 \log(P)$ dB below the transmitter power P(Watts)

3.2.4 Test Setup

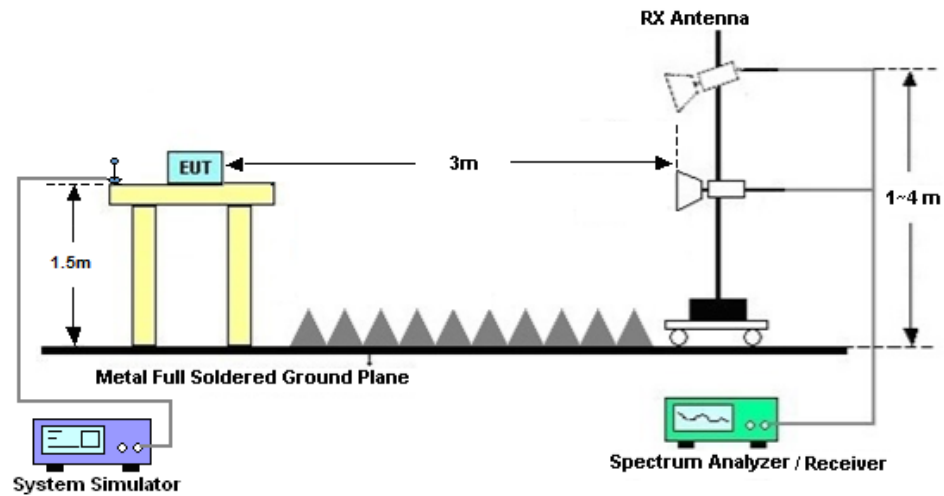
For radiated test from 30MHz



For radiated test from 30MHz to 1GHz



For radiated test above 1GHz



3.2.5 Test Result of Field Strength of Spurious Radiated

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.



4 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. 07, 2022	Jun. 28, 2022	Apr. 08, 2023	Conducted (TH01-SZ)
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 27, 2021	Jun. 24, 2022	Dec. 26, 2022	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	Jun. 22, 2020	Jun. 24, 2022	Jun. 21, 2022	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 22, 2021	Jun. 24, 2022	Oct. 21, 2022	Radiation (03CH01-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Sep. 28, 2021	Jun. 24, 2022	Sep. 27, 2022	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 18, 2021	Jun. 24, 2022	Jul. 17, 2022	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 10, 2022	Jun. 24, 2022	Apr. 09, 2023	Radiation (03CH01-SZ)
LF Amplifier	Burgeon	BPA-530	102209	0.01~3000Mhz	Apr. 06, 2022	Jun. 24, 2022	Apr. 05, 2023	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00 101800-30-1 0P-R	1943528	1GHz~18GHz	Oct. 22, 2021	Jun. 24, 2022	Oct. 21, 2022	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 13, 2021	Jun. 24, 2022	Jul. 12, 2022	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	61601000198 5	N/A	NCR	Jun. 24, 2022	NCR	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jun. 24, 2022	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jun. 24, 2022	NCR	Radiation (03CH01-SZ)

NCR: No Calibration Required.



5 Uncertainty of Evaluation

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage $K=2$ to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.48dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.53dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	4.02dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Sam Zheng	Temperature :	24~26°C
		Relative Humidity :	50~53%

Conducted Output Power (Average power)

LTE Band 26 – Cat M1:

BW [MHz]	Modulation	RB Size	RB Offset	Index			Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				L	M	H	26765		
Frequency (MHz)							821.5		
15	QPSK	1	0	0	0	11	22.55		
15	QPSK	1	5	0	0	11	22.68		
15	QPSK	3	0	0	0	11	22.80		
15	QPSK	3	3	0	0	11	22.75		
15	QPSK	6	0	0	0	11	22.69		
15	16QAM	1	0	0	0	11	22.72		
15	16QAM	1	5	0	0	11	22.83		
15	16QAM	3	0	0	0	11	22.83		
15	16QAM	3	3	0	0	11	22.84		
15	16QAM	6	0	0	0	11	22.52		
Channel				L	M	H		26740	
Frequency (MHz)								819	
10	QPSK	1	0	0	0	7		22.89	
10	QPSK	1	5	0	0	7		22.62	
10	QPSK	3	0	0	0	7		22.64	
10	QPSK	3	3	0	0	7		22.52	
10	QPSK	6	0	0	0	7		22.59	
10	16QAM	1	0	0	0	7		22.88	
10	16QAM	1	5	0	0	7		22.51	
10	16QAM	3	0	0	0	7		22.57	
10	16QAM	3	3	0	0	7		22.84	
10	16QAM	6	0	0	0	7		22.71	
Channel				L	M	H	26715	26740	27615
Frequency (MHz)							816.5	819	821.5
5	QPSK	1	0	0	0	3	22.67	22.66	22.82
5	QPSK	1	5	0	0	3	22.61	22.75	22.47
5	QPSK	3	0	0	0	3	22.72	22.59	22.52
5	QPSK	3	3	0	0	3	22.79	22.47	22.49
5	QPSK	6	0	0	0	3	22.66	22.65	22.47
5	16QAM	1	0	0	0	3	22.70	22.77	22.72
5	16QAM	1	5	0	0	3	22.62	22.70	22.65
5	16QAM	3	0	0	0	3	22.53	22.59	22.47
5	16QAM	3	3	0	0	3	22.83	22.49	22.73
5	16QAM	6	0	0	0	3	22.74	22.49	22.48
Channel				L	M	H	26705	26740	26775



Frequency (MHz)							815.5	819	822.5
3	QPSK	1	0	0	0	1	22.55	22.68	22.56
3	QPSK	1	5	0	0	1	22.72	22.68	22.51
3	QPSK	3	0	0	0	1	22.56	22.75	22.67
3	QPSK	3	3	0	0	1	22.68	22.83	22.79
3	QPSK	6	0	0	0	1	22.71	22.74	22.69
3	16QAM	1	0	0	0	1	22.52	22.54	22.65
3	16QAM	1	5	0	0	1	22.89	22.49	22.56
3	16QAM	3	0	0	0	1	22.67	22.77	22.72
3	16QAM	3	3	0	0	1	22.70	22.86	22.77
3	16QAM	6	0	0	0	1	22.62	22.68	22.53
Channel				L	M	H	26697	26740	26783
Frequency (MHz)							814.7	819	823.3
1.4	QPSK	1	0	0	0	0	22.85	22.60	22.65
1.4	QPSK	1	5	0	0	0	22.53	22.82	22.85
1.4	QPSK	3	0	0	0	0	22.65	22.70	22.84
1.4	QPSK	3	3	0	0	0	22.66	22.76	22.79
1.4	QPSK	6	0	0	0	0	22.76	22.63	22.80
1.4	16QAM	1	0	0	0	0	22.68	22.67	22.65
1.4	16QAM	1	5	0	0	0	22.58	22.67	22.79
1.4	16QAM	3	0	0	0	0	22.84	22.64	22.65
1.4	16QAM	3	3	0	0	0	22.66	22.89	22.82
1.4	16QAM	6	0	0	0	0	22.90	22.81	22.89

LTE Band 26 – NB IoT:

Sub-carrier Spacing (KHz)	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.
Channel				26691	26740	26789
Frequency (MHz)				814.1	819	823.9
3.75	BPSK	1	0	22.43	22.43	22.35
3.75	BPSK	1	47	22.40	22.04	22.00
3.75	QPSK	1	0	22.20	22.30	21.76
3.75	QPSK	1	47	21.90	21.30	21.30
15	BPSK	1	0	22.85	23.07	21.63
15	BPSK	1	11	22.45	22.00	22.00
15	QPSK	1	0	22.45	21.68	21.20
15	QPSK	1	11	22.47	21.74	22.10
15	QPSK	12	0	22.46	22.42	22.40



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shiwei Wen	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 26 – Cat M1:

LTE Band 26 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1628.5	-44.69	-13	-31.69	-56.16	-47.92	3.98	9.36	H
	2442.75	-49.42	-13	-36.42	-67.79	-52.97	4.85	10.55	H
	3257	-54.56	-13	-41.56	-75.17	-59.49	5.50	12.58	H
	1628.5	-52.67	-13	-39.67	-64.74	-55.90	3.98	9.36	V
	2442.75	-54.76	-13	-41.76	-73.57	-58.31	4.85	10.55	V
	3257	-54.78	-13	-41.78	-76.66	-59.71	5.50	12.58	V
Middle	1633.5	-47.03	-13	-34.03	-58.53	-50.28	4.00	9.40	H
	2450.25	-49.01	-13	-36.01	-67.38	-52.58	4.88	10.60	H
	3267	-55.08	-13	-42.08	-75.69	-60.01	5.52	12.60	H
	1633.5	-55.93	-13	-42.93	-68.03	-59.18	4.00	9.40	V
	2450.25	-56.79	-13	-43.79	-75.60	-60.36	4.88	10.60	V
	3267	-55.16	-13	-42.16	-77.04	-60.09	5.52	12.60	V
Highest	1638.5	-47.12	-13	-34.12	-58.68	-50.29	4.10	9.42	H
	2457.75	-50.84	-13	-37.84	-69.34	-54.42	4.90	10.63	H
	3277	-55.95	-13	-42.95	-76.64	-60.87	5.55	12.62	H
	1638.5	-57.53	-13	-44.53	-69.73	-60.70	4.10	9.42	V
	2457.75	-58.07	-13	-45.07	-76.96	-61.65	4.90	10.63	V
	3277	-55.88	-13	-42.88	-77.66	-60.80	5.55	12.62	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 26 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1629	-44.71	-13	-31.71	-56.18	-47.96	4.00	9.40	H
	2443.5	-49.35	-13	-36.35	-67.72	-52.92	4.88	10.60	H
	3258	-53.14	-13	-40.14	-73.75	-58.07	5.52	12.60	H
	1629	-56.06	-13	-43.06	-68.13	-59.31	4.00	9.40	V
	2443.5	-55.84	-13	-42.84	-74.65	-59.41	4.88	10.60	V
	3258	-54.66	-13	-41.66	-76.54	-59.59	5.52	12.60	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 26 / 15MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1629.5	-46.91	-13	-33.91	-58.38	-50.14	3.98	9.36	H
	2444.25	-50.45	-13	-37.45	-68.82	-54.00	4.85	10.55	H
	3259	-55.90	-13	-42.90	-76.51	-60.83	5.50	12.58	H
	1629.5	-57.31	-13	-44.31	-69.38	-60.54	3.98	9.36	V
	2444.25	-55.48	-13	-42.48	-74.29	-59.03	4.85	10.55	V
	3259	-55.35	-13	-42.35	-77.23	-60.28	5.50	12.58	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

LTE Band 26 – NB IoT:

LTE Band 26 / 15kHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1630.54	-64.84	-13	-51.84	-76.31	-68.07	3.98	9.36	H
	2445.81	-59.86	-13	-46.86	-78.23	-63.41	4.85	10.55	H
	3261.08	-57.95	-13	-44.95	-78.56	-62.88	5.50	12.58	H
	1630.54	-61.82	-13	-48.82	-73.89	-65.05	3.98	9.36	V
	2445.81	-58.85	-13	-45.85	-77.66	-62.40	4.85	10.55	V
	3261.08	-57.08	-13	-44.08	-78.96	-62.01	5.50	12.58	V
Middle	1661.74	-64.07	-13	-51.07	-75.72	-67.32	4.00	9.40	H
	2492.61	-59.07	-13	-46.07	-77.84	-62.64	4.88	10.60	H
	3323.48	-58.48	-13	-45.48	-79.45	-63.41	5.52	12.60	H
	1661.74	-62.72	-13	-49.72	-75.04	-65.97	4.00	9.40	V
	2492.61	-59.63	-13	-46.63	-78.66	-63.20	4.88	10.60	V
	3323.48	-57.86	-13	-44.86	-79.33	-62.79	5.52	12.60	V
Highest	1692.94	-64.55	-13	-51.55	-76.55	-67.72	4.10	9.42	H
	2539.41	-59.67	-13	-46.67	-78.72	-63.25	4.90	10.63	H
	3385.88	-60.02	-13	-47.02	-80.23	-64.94	5.55	12.62	H
	1692.94	-63.97	-13	-50.97	-76.64	-67.14	4.10	9.42	V
	2539.41	-59.72	-13	-46.72	-78.99	-63.30	4.90	10.63	V
	3385.88	-58.64	-13	-45.64	-79.84	-63.56	5.55	12.62	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.