

FCC Test Report

(PART 90S)

Report No.: RF190805C27A

FCC ID: 2ATM8EG25G

Test Model: EG25-G

Received Date: Aug. 05, 2019

Test Date: Aug. 26 ~ Sep. 26, 2019

Issued Date: Oct. 02, 2019

Applicant: HAWKEYE TECH CO LTD

Address: 13F. No.736, Zhongzheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

Test Location: B2F., No.215, Sec. 3, Beixin Rd., Xindian Dist., New Taipei City 231, Taiwan

FCC Registration / 427177 / TW0011

Designation Number:



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Release Control Record

Issue No.	Description	Date Issued
RF190805C27A	Original Release	Oct. 02, 2019

1 Certificate of Conformity

Product: LTE Module

Brand: Quectel

Test Model: EG25-G

Sample Status: Engineering Sample

Applicant: HAWKEYE TECH CO LTD

Test Date: Aug. 26 ~ Sep. 26, 2019

Standards: FCC Part 90, Subpart I, S

FCC Part 2

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : , **Date:** Oct. 02, 2019
Polly Chien / Specialist

Approved by : , **Date:** Oct. 02, 2019
Bruce Chen / Senior Project Engineer

2 Summary of Test Results

Applied Standard: FCC Part 90 & Part 2 (LTE 26)			
FCC Clause	Test Item	Result	Remarks
2.1046 90.635 (b)	Effective Radiated Power	Pass	Meet the requirement of limit.
2.1047	Modulation Characteristics	N/A	Refer to Note
2.1055 90.213	Frequency Stability	N/A	Refer to Note
2.1049 90.209	Occupied Bandwidth	N/A	Refer to Note
2.1051 90.210	Emission Masks	N/A	Refer to Note
2.1051 90.691	Conducted Spurious Emissions	N/A	Refer to Note
2.1053 90.691	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -35.44 dB at 220.08 MHz.

Note:

1. This report is a partial report. Therefore, only test item of Effective Radiated Power and Radiated Spurious Emissions tests were performed for this report. Other testing data please refer to SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch report no.: HR/2019/1001601 for module (Brand: Quectel, Model: EG25-G)
2. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Radiated Emissions up to 1 GHz	9 kHz ~ 30 MHz	3.0400 dB
	30 MHz ~ 200 MHz	2.0153 dB
	200 MHz ~ 1000 MHz	2.0224 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	1.0121 dB
	18 GHz ~ 40 GHz	1.1508 dB

2.2 Test Site and Instruments

Description & Manufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Agilent Technologies	N9038A	MY52260177	Aug. 26, 2019	Aug. 25, 2020
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Apr. 15, 2019	Apr. 14, 2020
BILOG Antenna SCHWARZBECK	VULB 9168	9168-616	Nov. 27, 2018	Nov. 26, 2019
HORN Antenna ETS-Lindgren	3117	00143293	Nov. 25, 2018	Nov. 24, 2019
BILOG Antenna SCHWARZBECK	VULB9168	9168-631	Nov. 26, 2018	Nov. 25, 2019
Fixed Attenuator Mini-Circuits	MDCS18N-10	MDCS18N-10-01	Apr. 15, 2019	Apr. 14, 2020
MXG Vector signal generator Agilent	N5182B	MY53050430	Nov. 19, 2018	Nov. 18, 2019
Preamplifier Agilent	310N	187226	Jun. 18, 2019	Jun. 17, 2020
Preamplifier Agilent	83017A	MY39501357	Jun. 18, 2019	Jun. 17, 2020
RF signal cable ETS-LINDGREN	5D-FB	Cable-CH1-01(RFC-SMS-100-SMS-120+RFC-SMS-100-SMS-400)	Jun. 18, 2019	Jun. 17, 2020
RF signal cable ETS-LINDGREN	8D-FB	Cable-CH1-02(RFC-SMS-100-SMS-24)	Jun. 18, 2019	Jun. 17, 2020
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Software BV ADT	E3 8.130425b	NA	NA	NA
Antenna Tower MF	NA	NA	NA	NA
Turn Table MF	NA	NA	NA	NA
Antenna Tower & Turn Table Controller MF	MF-7802	NA	NA	NA
Radio Communication Analyzer Anritsu	MT8820C	6201300640	Aug. 19, 2019	Aug. 18, 2020

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in HsinTien Chamber 1.

3 General Information

3.1 General Description of EUT

Product	LTE Module	
Brand	Quectel	
Test Model	EG25-G	
Status of EUT	Engineering Sample	
Power Supply Rating	3.3Vdc(Host equipment)	
Modulation Type	LTE	QPSK, 16QAM
Frequency Range	LTE Band 26 (Channel Bandwidth: 1.4 MHz)	814.7 ~ 823.3 MHz
	LTE Band 26 (Channel Bandwidth: 3 MHz)	815.5 ~ 822.5 MHz
	LTE Band 26 (Channel Bandwidth: 5 MHz)	816.5 ~ 821.5 MHz
	LTE Band 26 (Channel Bandwidth: 10 MHz)	819 MHz
Max. ERP Power	LTE Band 26 (Channel Bandwidth: 1.4 MHz)	113.82 mW
	LTE Band 26 (Channel Bandwidth: 3 MHz)	114.87 mW
	LTE Band 26 (Channel Bandwidth: 5 MHz)	115.93 mW
	LTE Band 26 (Channel Bandwidth: 10 MHz)	115.08 mW
Antenna Type	Dipole Antenna with 2 dBi gain	
Antenna Connector	SMA	
Accessory Device	N/A	
Data Cable Supplied	N/A	

Note:

1. The EUT was installed in a specific End-product.

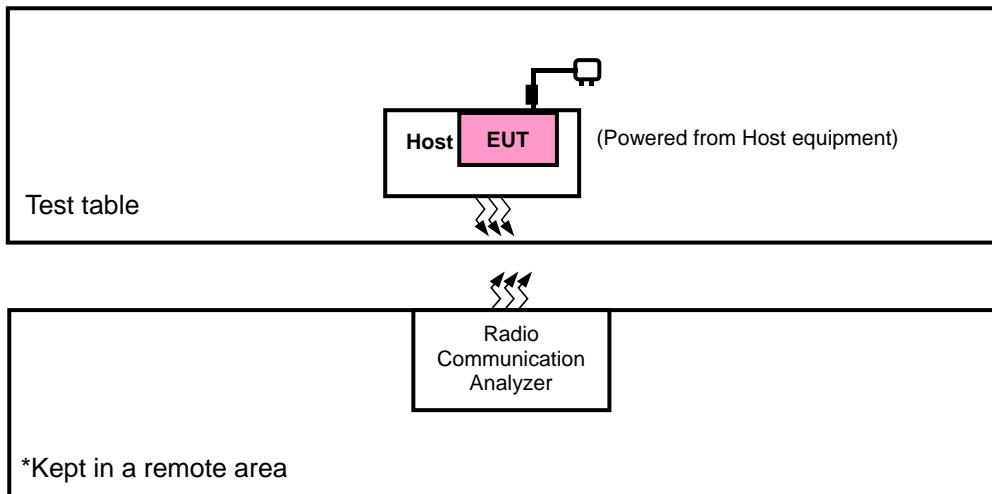
Product	Brand	Model
Network Services Gateway	 ribbon	Test model: EM-6000-8S-2X-P-4G Serial mode: EM-6000XXXXXXXXXX (X=A-Z, 0-9, blank or "-")

2. The End-product contains following accessory devices.

Product	Brand	Model	Description
Adapter	EDACPOWER ELEC.	EA10681U-120	I/P: 100-240 Vac, 50-60 Hz, 2.0A O/P: 12 Vdc, 6 A 1.2m DC cable with 1 core

3. The above EUT information is declared by manufacturer and for more detailed features description, please refers to the manufacturer's specifications or user's manual.

3.2 Configuration of System under Test



3.2.1 Description of Support Units

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.

No.	Product	Brand	Model No.	Serial No.	FCC ID
1.	Radio Communication Analyzer	Anritsu	MT8820C	6201300640	N/A

Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Items 1 acted as communication partners to transfer data.

3.3 Test Mode Applicability and Tested Channel Detail

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, antenna degree 90° and 180°, and antenna ports.

The worst case was found when positioned as the table below. Following channel(s) was (were) selected for the final test as listed below:

Band	ERP	Radiated Emission
LTE Band 26	90°	90°

LTE Band 26

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
-	ERP	26697 to 26783	26697, 26740, 26783	1.4 MHz	QPSK, 16QAM	3 RB / 3 RB Offset
		26705 to 26775	26705, 26740, 26775	3 MHz	QPSK, 16QAM	1 RB / 8 RB Offset
		26715 to 26765	26715, 26740, 26765	5 MHz	QPSK, 16QAM	1 RB / 12 RB Offset
		26740	26740	10 MHz	QPSK, 16QAM	1 RB / 24 RB Offset
-	Radiated Emission	26697 to 26783	26697, 26740, 26783	1.4 MHz	QPSK	3 RB / 3 RB Offset
		26715 to 26765	26715, 26740, 26765	5 MHz	QPSK	1 RB / 12 RB Offset
		26740	26740	10 MHz	QPSK	1 RB / 24 RB Offset

Note:

1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation and RB configurations according to Module report worst maximum output power.
2. For radiated emission, according to 3GPP 36.521 Section 6.6.3.1.4, choose the lowest, 5 MHz & highest channel bandwidth for final test.

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
ERP	25 deg. C, 65 % RH	3.3 Vdc	Karl Lee
Radiated Emission	25 deg. C, 65 % RH	120 Vac, 60 Hz	Karl Lee

3.4 EUT Operating Conditions

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

3.5 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 90

KDB 971168 D01 Power Meas License Digital Systems v03r01

KDB 971168 D02 Misc Rev Approv License Devices v02r01

ANSI/TIA/EIA-603-E 2016

ANSI 63.26-2015

Note: All test items have been performed and recorded as per the above standards.

4 Test Types and Results

4.1 Output Power Measurement

4.1.1 Limits of Output Power Measurement

LTE Band 26

The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw) ERP.

4.1.2 Test Procedures

EIRP / ERP Measurement:

- a. All measurements were done at low, middle and high operational frequency range. RBW and VBW is 10 MHz for LTE mode.
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a tx cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G.
- d. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn. E.R.P power can be calculated from E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15 dB.

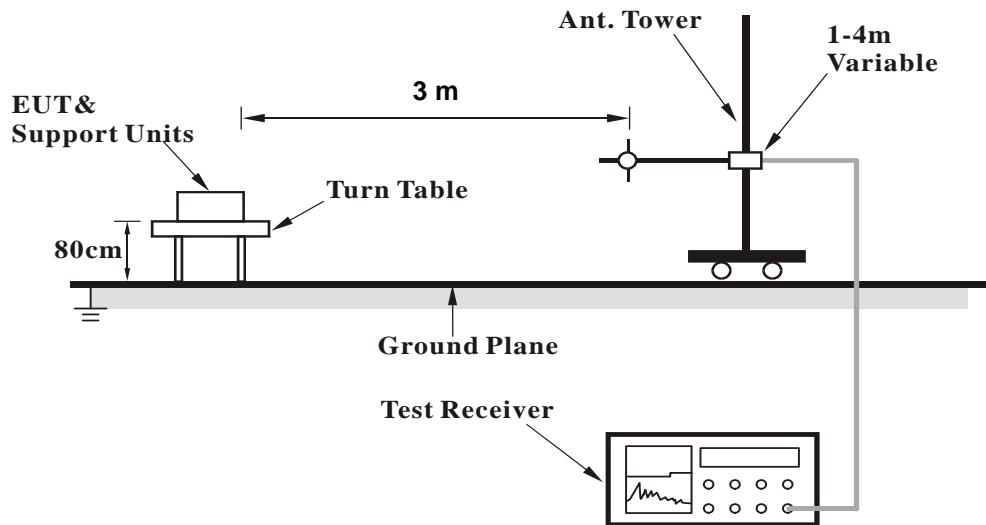
Conducted Power Measurement:

- a. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
- b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

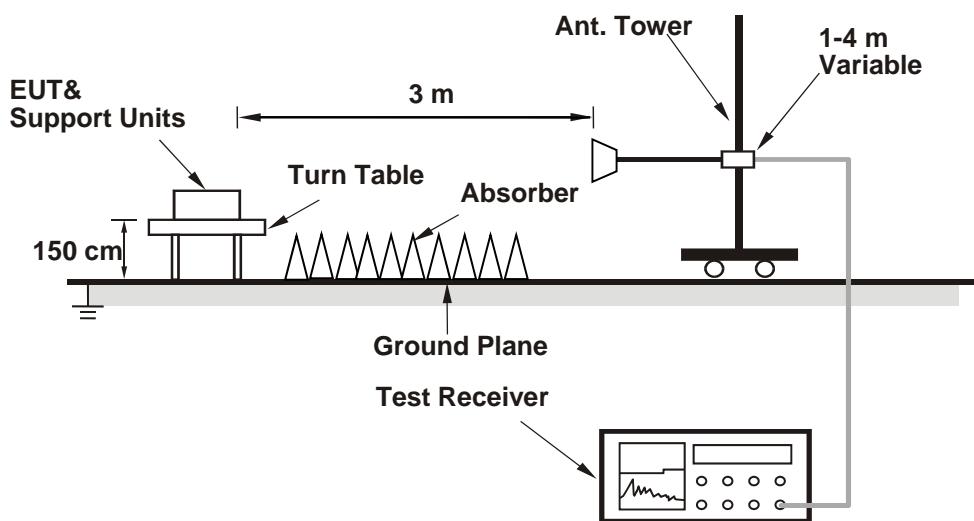
4.1.3 Test Setup

EIRP / ERP Measurement:

<Radiated Emission below or equal 1 GHz>



<Radiated Emission above 1 GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.4 Test Results

ERP Power (dBm)

LTE Band 26							
Channel Bandwidth: 1.4 MHz / QPSK							
Plane	Channel	Frequency (MHz)	Reading (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
90°	26697	814.7	-8.60	31.208	20.46	111.12	H
	26740	819	-8.66	31.3	20.49	111.94	
	26783	823.3	-8.51	31.222	20.56	113.82	
	26697	814.7	-13.79	31.504	15.56	36.01	V
	26740	819	-13.34	31.117	15.63	36.53	
	26783	823.3	-14.07	31.922	15.70	37.17	
Channel Bandwidth: 1.4 MHz / 16QAM							
90°	26697	814.7	-9.61	31.208	19.45	88.06	H
	26740	819	-9.66	31.3	19.49	88.92	
	26783	823.3	-9.52	31.222	19.55	90.20	
	26697	814.7	-14.80	31.504	14.55	28.54	V
	26740	819	-14.35	31.117	14.62	28.95	
	26783	823.3	-15.07	31.922	14.70	29.53	

Note: ERP (dBm) = Reading (dBm) + Correction Factor (dB) – 2.15

LTE Band 26							
Channel Bandwidth: 3 MHz / QPSK							
Plane	Channel	Frequency (MHz)	Reading (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
90°	26705	815.5	-8.56	31.208	20.50	112.15	H
	26740	819	-8.62	31.3	20.53	112.98	
	26775	822.5	-8.47	31.222	20.60	114.87	
	26705	815.5	-13.75	31.504	15.60	36.34	V
	26740	819	-13.30	31.117	15.67	36.87	
	26775	822.5	-14.04	31.922	15.73	37.43	
Channel Bandwidth: 3 MHz / 16QAM							
90°	26705	815.5	-9.57	31.208	19.49	88.88	H
	26740	819	-9.62	31.3	19.53	89.74	
	26775	822.5	-9.48	31.222	19.59	91.03	
	26705	815.5	-14.76	31.504	14.59	28.80	V
	26740	819	-14.31	31.117	14.66	29.22	
	26775	822.5	-15.04	31.922	14.73	29.73	

Note: ERP (dBm) = Reading (dBm) + Correction Factor (dB) – 2.15

LTE Band 26							
Channel Bandwidth: 5 MHz / QPSK							
Plane	Channel	Frequency (MHz)	Reading (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
90°	26715	816.5	-8.52	31.208	20.54	113.19	H
	26740	819	-8.58	31.3	20.57	114.02	
	26765	821.5	-8.43	31.222	20.64	115.93	
	26715	816.5	-13.71	31.504	15.64	36.68	V
	26740	819	-13.26	31.117	15.71	37.21	
	26765	821.5	-14.00	31.922	15.77	37.77	
Channel Bandwidth: 5 MHz / 16QAM							
90°	26715	816.5	-9.53	31.208	19.53	89.70	H
	26740	819	-9.59	31.3	19.56	90.36	
	26765	821.5	-9.44	31.222	19.63	91.88	
	26715	816.5	-14.71	31.504	14.64	29.13	V
	26740	819	-14.26	31.117	14.71	29.56	
	26765	821.5	-15.01	31.922	14.76	29.94	

Note: ERP (dBm) = Reading (dBm) + Correction Factor (dB) – 2.15

LTE Band 26							
Channel Bandwidth: 10 MHz / QPSK							
Plane	Channel	Frequency (MHz)	Reading (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
90°	26740	819	-8.54	31.3	20.61	115.08	H
	26740	819	-13.22	31.117	15.75	37.56	V
Channel Bandwidth: 10 MHz / 16QAM							
90°	26740	819	-9.55	31.3	19.60	91.20	H
	26740	819	-14.23	31.117	14.74	29.76	V

Note: ERP (dBm) = Reading (dBm) + Correction Factor (dB) – 2.15

4.2 Radiated Emission Measurement

4.2.1 Limits of Radiated Emission Measurement

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log (P)$ dB. The limit of emission is equal to -13 dBm.

4.2.2 Test Procedure

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (below or equal 1 GHz) and/or 1.5 m (above 1 GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated from E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.R.P power - 2.15 dB.

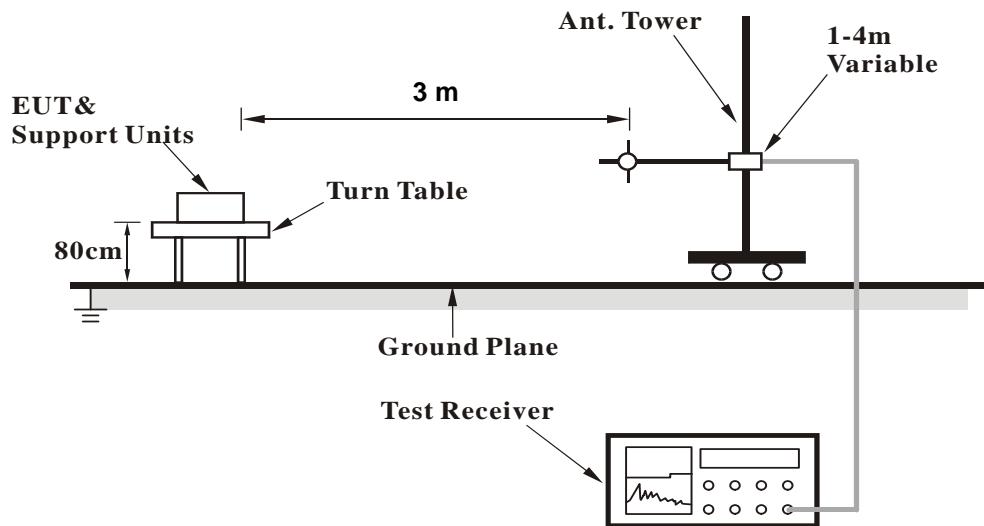
Note: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

4.2.3 Deviation from Test Standard

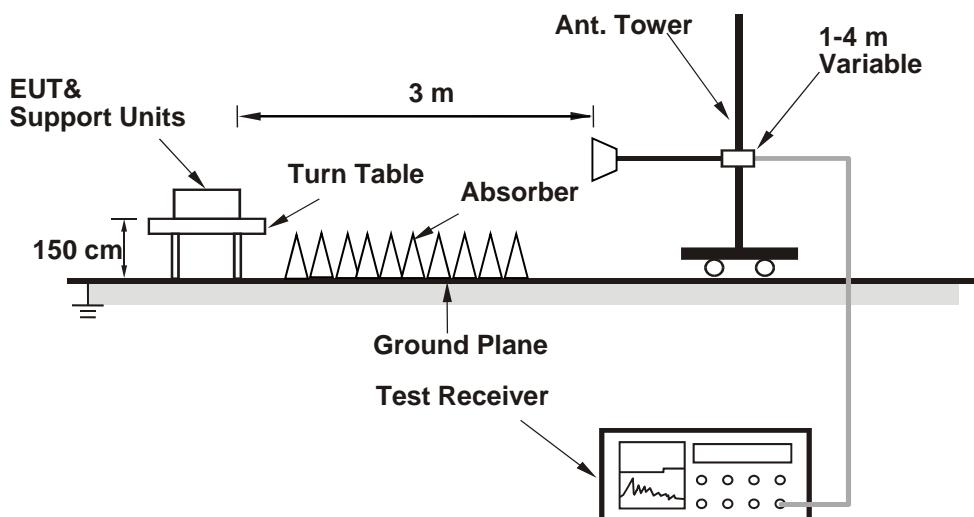
No deviation.

4.2.4 Test Setup

<Radiated Emission below or equal 1 GHz>



<Radiated Emission above 1 GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.5 Test Results

LTE Band 26

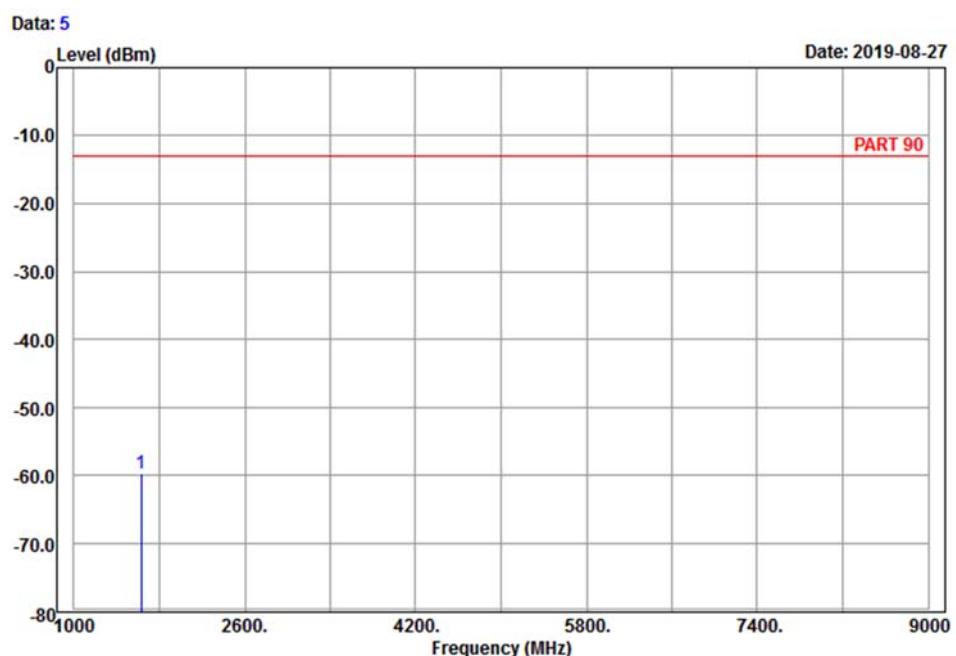
Channel Bandwidth: 1.4 MHz / QPSK

Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T



Site : 966 chamber 1
Condition: PART 90 Horizontal
Remark : LTE_Band 26 _Link_L-Ch
Tested by: Karl Lee

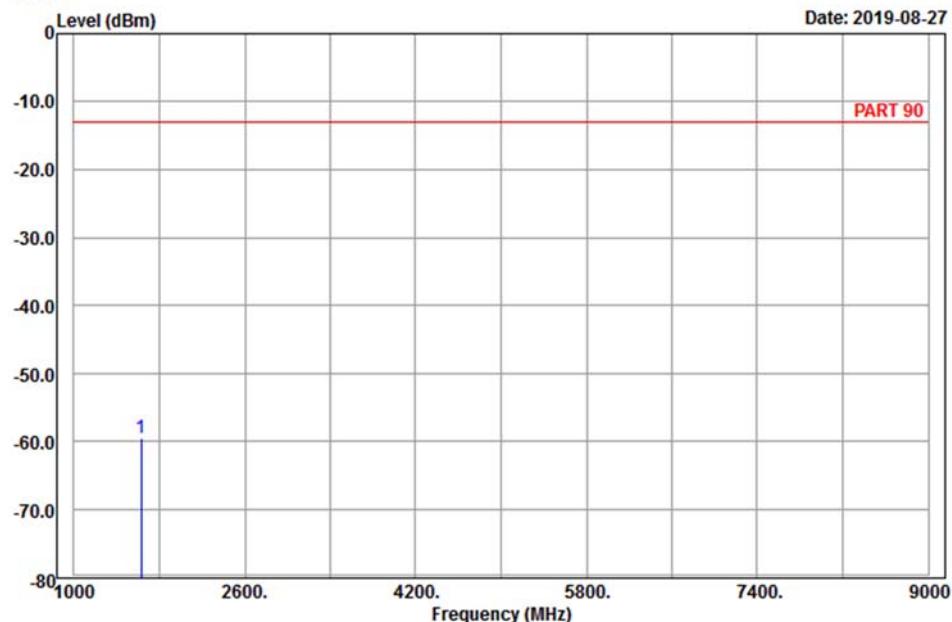
	Read	Limit	Over		
Freq	Level	Level Factor	Line	Limit	Remark
MHz	dBm	dBm	dB	dBm	dB
1 pp	1629.40	-59.78	-67.34	7.56	-13.00 -46.78 Peak



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A D T

Data: 6



Site : 966 chamber 1
Condition: PART 90 Vertical
Remark : LTE_Band 26 _Link_L-Ch
Tested by: Karl Lee

Freq MHz	Level dBm	Read	Limit	Over	Remark
		Level dBm	Factor	Line dB	
1 pp	1629.40	-59.49	-67.05	7.56	-13.00 -46.49 Peak

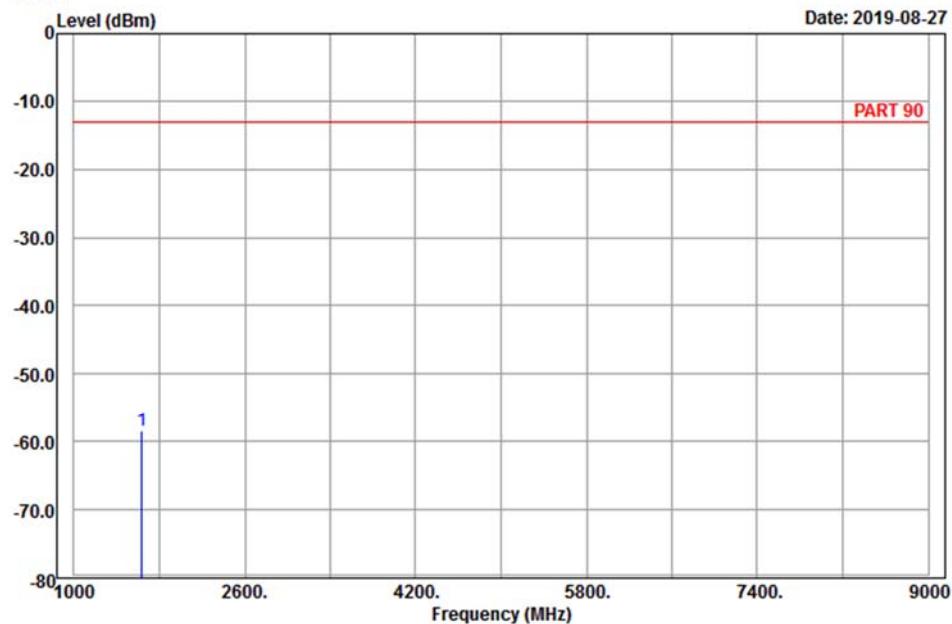
Middle Channel



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A D T

Data: 5



Site : 966 chamber 1
Condition: PART 90 Horizontal
Remark : LTE_Band 26 _Link_M-Ch
Tested by: Karl Lee

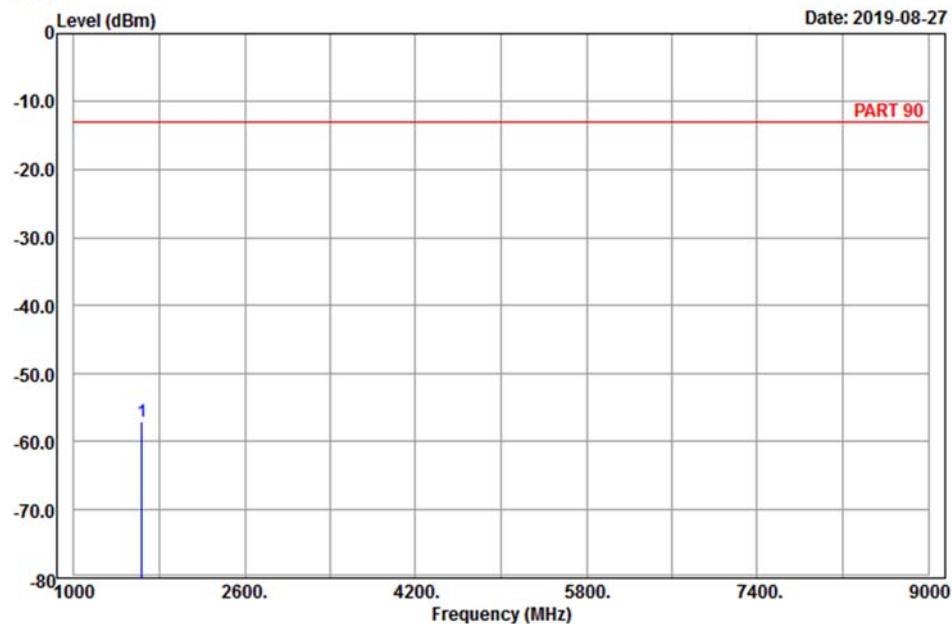
Freq MHz	Level dBm	Read	Limit	Over	Remark
		Level dBm	Factor	Line dB	
1638.00	-58.51	-66.07	7.56	-13.00	-45.51 Peak



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A D T

Data: 6



Site : 966 chamber 1
Condition: PART 90 Vertical
Remark : LTE_Band 26 _Link_M-Ch
Tested by: Karl Lee

Freq MHz	Level dBm	Read	Limit	Over	Remark
		Level dBm	Factor	Line dB	
1638.00	-57.13	-64.69	7.56	-13.00	-44.13 Peak

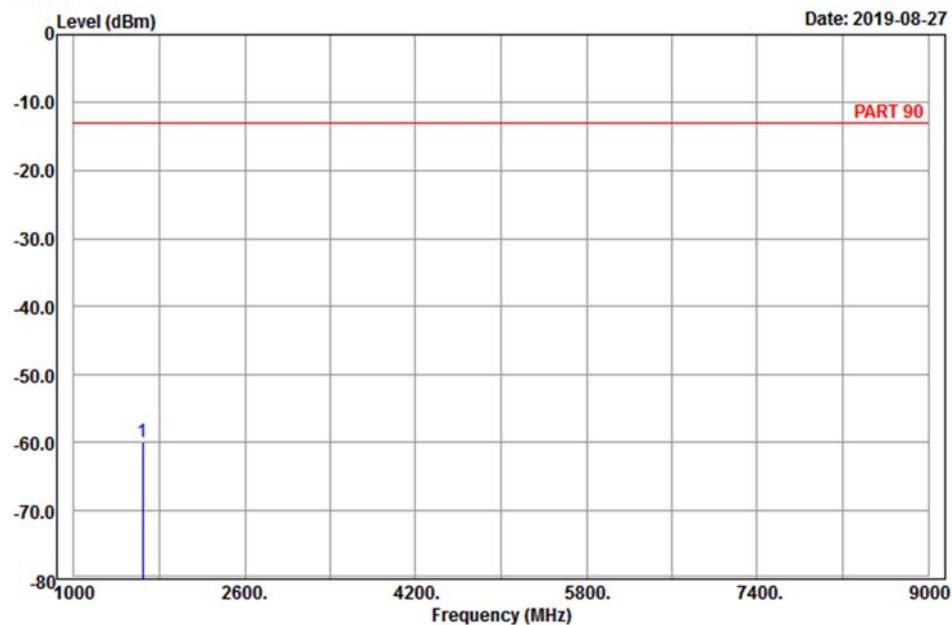
High Channel



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A D T

Data: 5



Site : 966 chamber 1
Condition: PART 90 Horizontal
Remark : LTE_Band 26 _Link_H-Ch
Tested by: Karl Lee

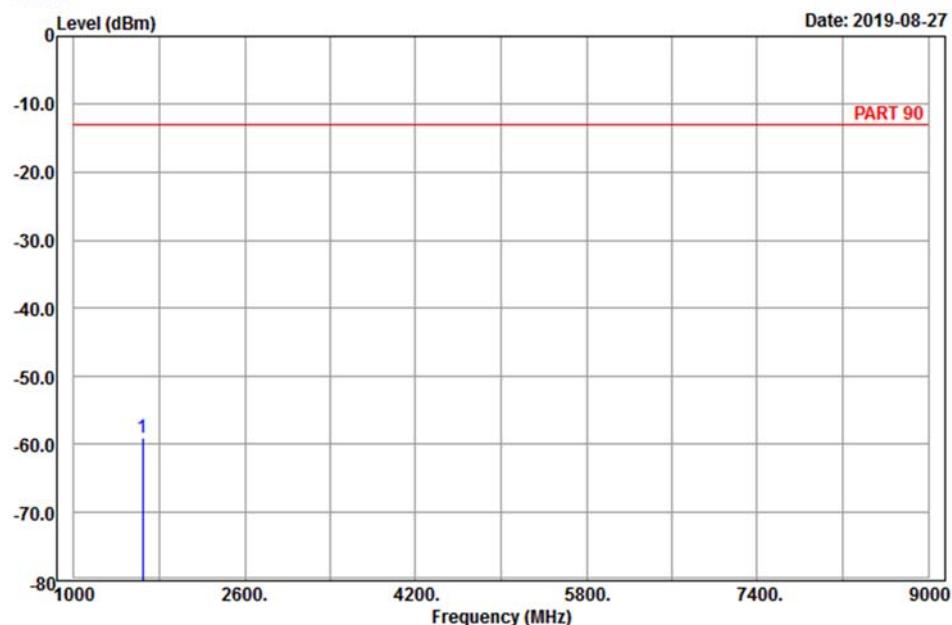
	Freq	Read Level	Limit Level	Over Factor	Line Limit	Over Remark
	MHz	dBm	dBm	dB	dBm	dB
1 pp	1646.60	-59.90	-67.63	7.73	-13.00	-46.90 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 90 Vertical
 Remark : LTE_Band 26 _Link_H-Ch
 Tested by: Karl Lee

Freq MHz	Read		Limit Factor	Line dB	Over dBm	Over dB	Remark
	Level dBm	Level dBm					
1 pp 1646.60	-59.17	-66.90	7.73	-13.00	-46.17	Peak	

Channel Bandwidth: 5 MHz / QPSK

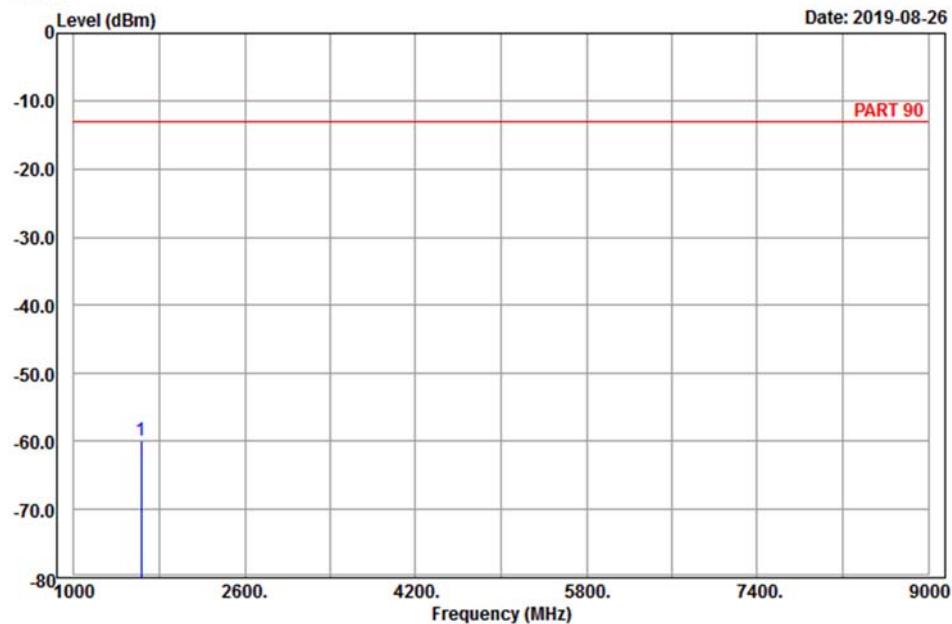
Low Channel



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A D T

Data: 5



Site : 966 chamber 1
 Condition: PART 90 Horizontal
 Remark : LTE_Band 26 _Link_L-Ch
 Tested by: Karl Lee

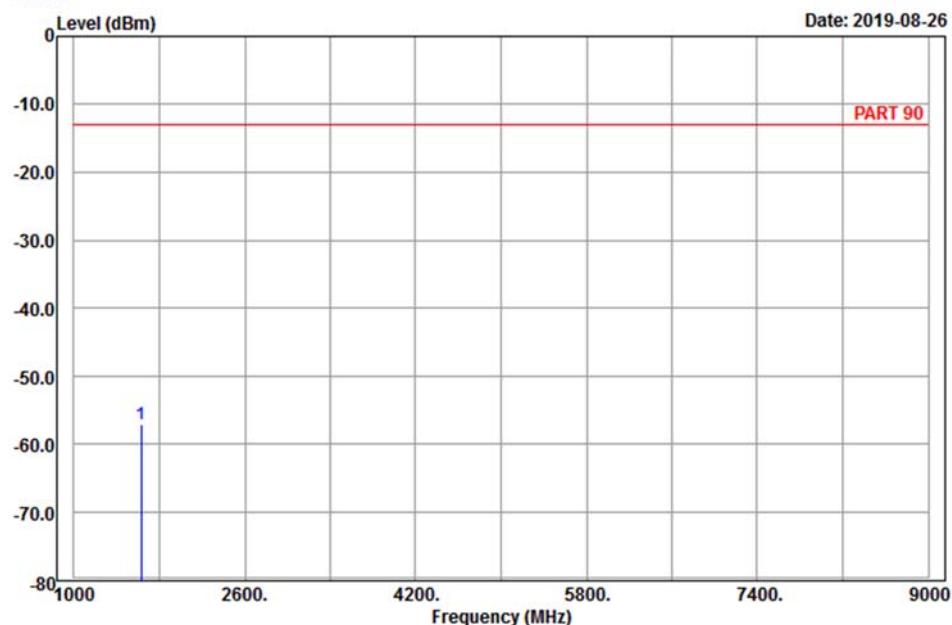
Freq	Level	Read		Limit	Over	Remark		
		MHz	dBm	Level	Factor	Line	dBm	dB
1 pp	1633.00	-59.90	-67.46	7.56	-13.00	-46.90	Peak	



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
Condition: PART 90 Vertical
Remark : LTE_Band 26 _Link_L-Ch
Tested by: Karl Lee

Freq MHz	Read		Limit Line	Over Limit	Remark
	Level dBm	Level Factor			
1633.00	-57.19	-64.75	7.56	-13.00	-44.19 Peak

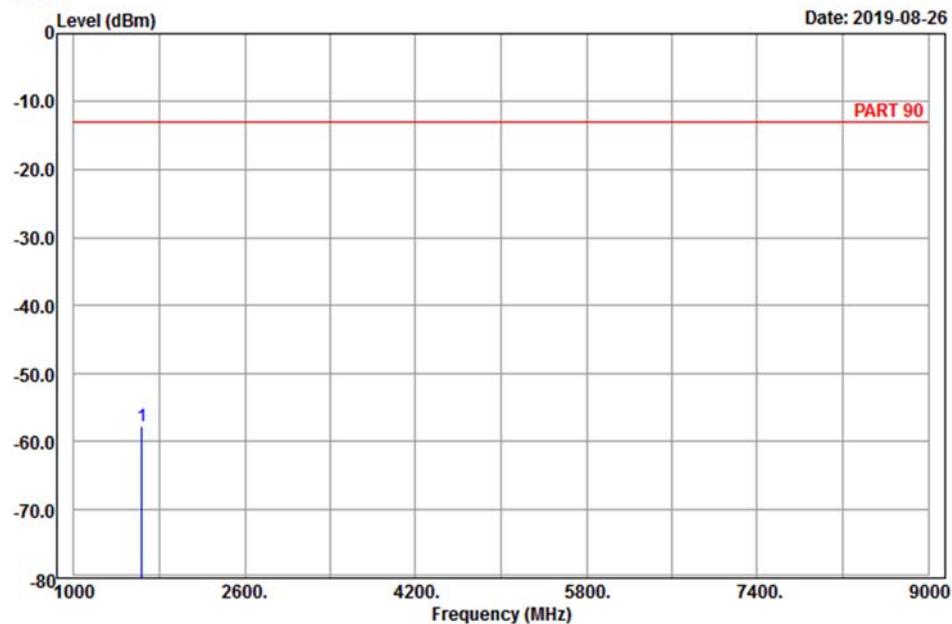
Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
Condition: PART 90 Horizontal
Remark : LTE_Band 26 _Link_M-Ch
Tested by: Karl Lee

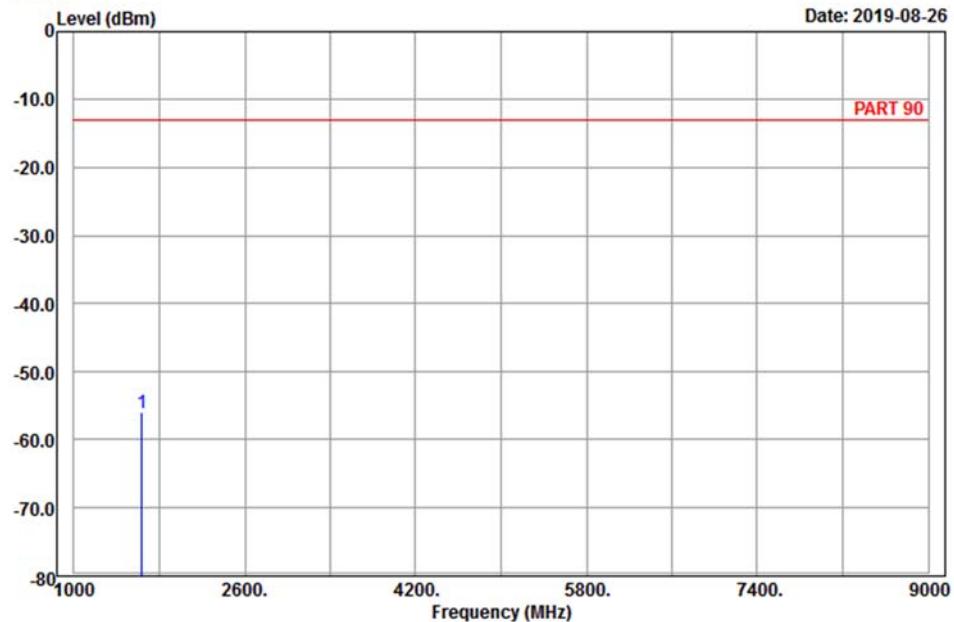
Freq MHz	Level dBm	Read	Limit	Over	Remark
		Level dBm	Factor	Line dB	
1638.00	-57.78	-65.34	7.56	-13.00	-44.78 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
Condition: PART 90 Vertical
Remark : LTE_Band 26 _Link_M-Ch
Tested by: Karl Lee

Freq MHz	Level dBm	Read	Limit	Over	Remark
		Level dBm	Factor	Line dB	
1638.00	-56.11	-63.67	7.56	-13.00	-43.11 Peak

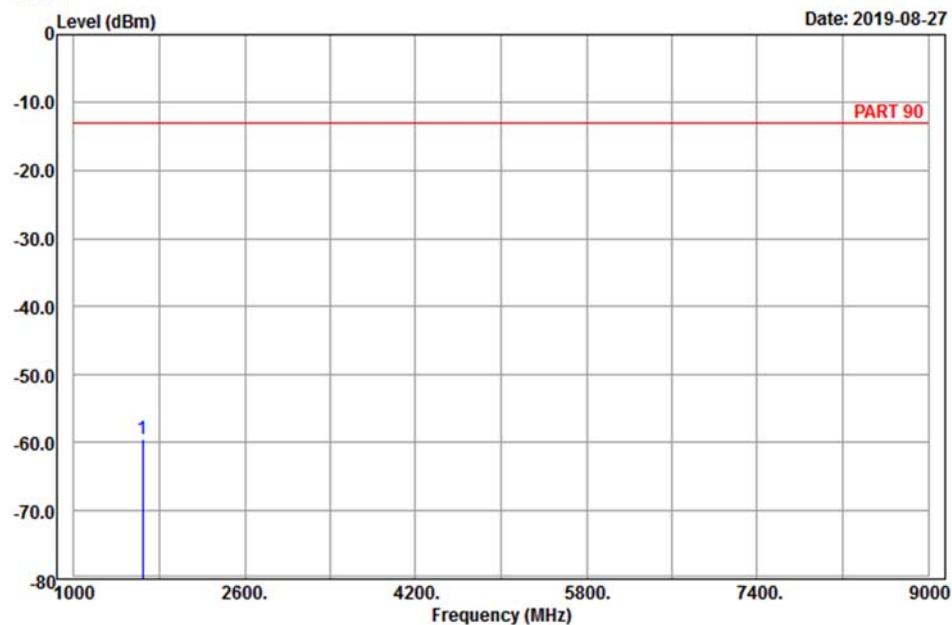
High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 5



Site : 966 chamber 1
Condition: PART 90 Horizontal
Remark : LTE_Band 26 _Link_H-Ch
Tested by: Karl Lee

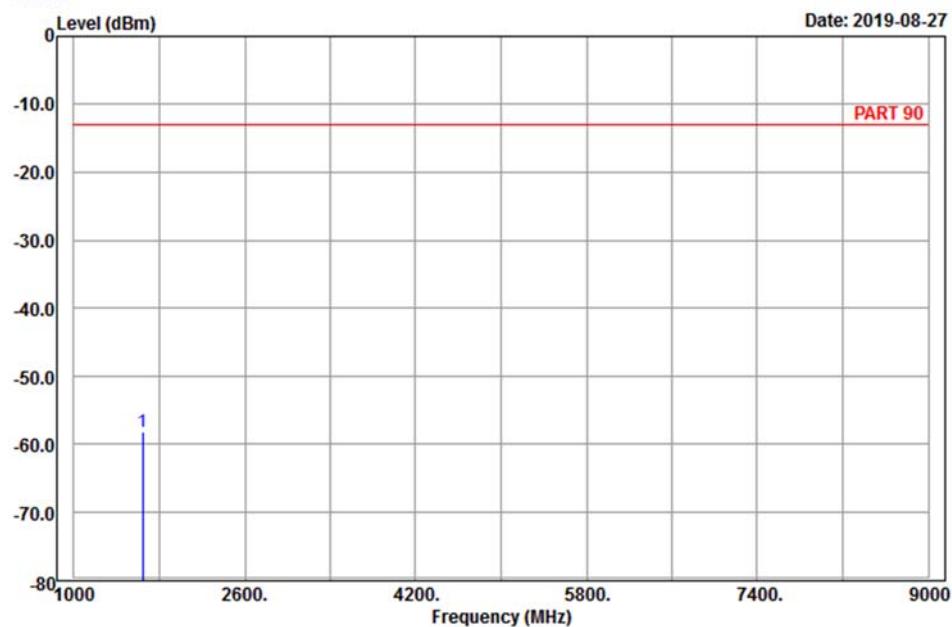
Freq	Read		Limit Factor	Line	Over Limit	Remark
	MHz	dBm				
1 pp	1643.00	-59.50	-67.23	7.73	-13.00	-46.50 Peak



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 6



Site : 966 chamber 1
 Condition: PART 90 Vertical
 Remark : LTE_Band 26 _Link_H-Ch
 Tested by: Karl Lee

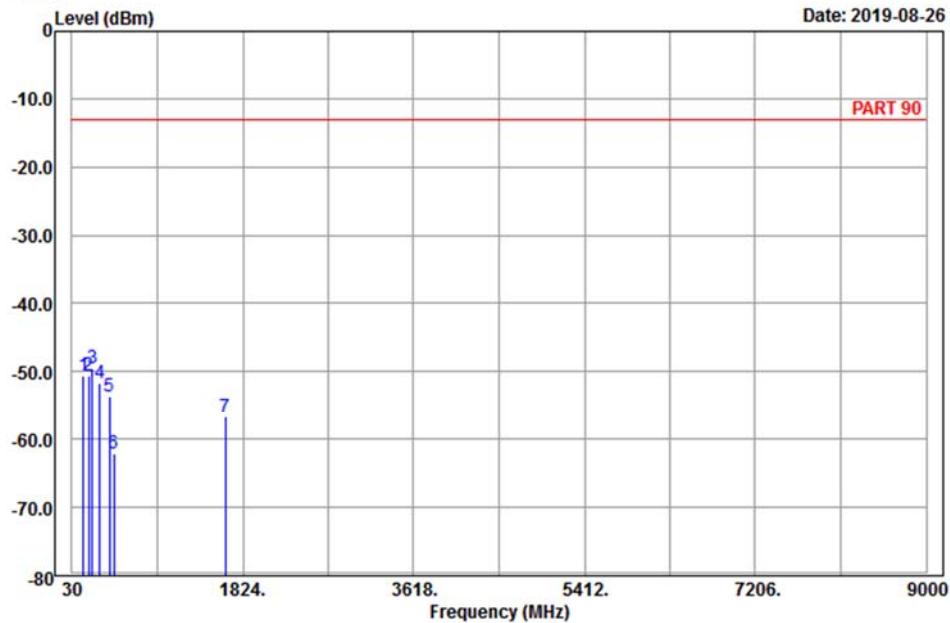
Freq MHz	Read		Limit Line	Over Limit	Remark
	Level dBm	Level Factor			
1643.00	-58.11	-65.84	7.73	-13.00	-45.11 Peak

Channel Bandwidth: 10 MHz / QPSK
Middle Channel


Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch

A D T

Data: 9



Date: 2019-08-26

Site : 966 chamber 1
 Condition: PART 90 Horizontal
 Remark : LTE_Band 26 _Link_M-Ch
 Tested by: Karl Lee

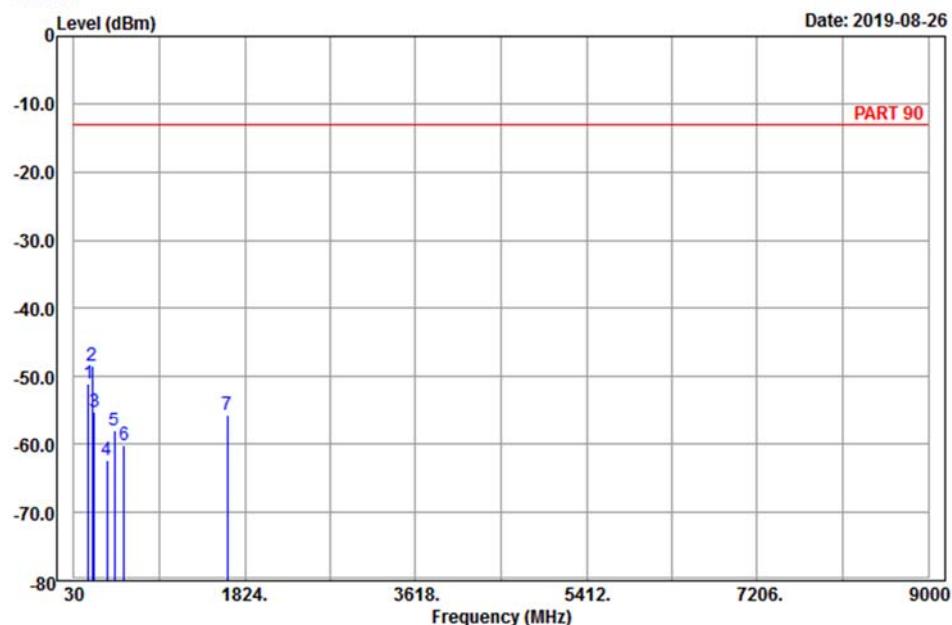
Freq	Read	Limit	Over	Remark		
	Level	Level Factor	Line			
MHz	dBm	dBm	dB	dBm	dB	
1	149.88	-50.48	-42.53	-7.95	-13.00	-37.48 Peak
2	205.50	-50.48	-44.37	-6.11	-13.00	-37.48 Peak
3 pp	247.35	-49.55	-44.00	-5.55	-13.00	-36.55 Peak
4	325.20	-51.70	-46.03	-5.67	-13.00	-38.70 Peak
5	422.50	-53.59	-50.34	-3.25	-13.00	-40.59 Peak
6	468.00	-62.08	-57.71	-4.37	-13.00	-49.08 Peak
7	1638.00	-56.71	-64.27	7.56	-13.00	-43.71 Peak



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A D T

Data: 10



Site : 966 chamber 1
 Condition: PART 90 Vertical
 Remark : LTE_Band 26 _Link_M-Ch
 Tested by: Karl Lee

Freq	Level	Read		Limit	Over	Remark
		MHz	dBm			
1	181.47	-50.92	-45.33	-5.59	-13.00	-37.92 Peak
2 pp	220.08	-48.44	-42.53	-5.91	-13.00	-35.44 Peak
3	245.73	-55.16	-49.59	-5.57	-13.00	-42.16 Peak
4	377.00	-62.42	-58.49	-3.93	-13.00	-49.42 Peak
5	453.30	-58.05	-54.12	-3.93	-13.00	-45.05 Peak
6	559.70	-60.11	-58.85	-1.26	-13.00	-47.11 Peak
7	1638.00	-55.58	-63.14	7.56	-13.00	-42.58 Peak

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

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