

FCC Test Report

(PART 22)

Report No.: RF170713C02-7

FCC ID: VQK-F02K

Test Model: F-02K

Received Date: Jul. 13, 2017

Test Date: Sep. 09, 2017 ~ Sep. 13, 2017

Issued Date: Sep. 22, 2017

Applicant: FUJITSU CONNECTED TECHNOLOGIES Ltd.

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

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R.O.C





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Release Control Record

Issue No.	Description	Date Issued
RF170713C02-7	Original Release	Sep. 22, 2017



1 Certificate of Conformity

Product: Tablet PC

Brand: FUJITSU

Test Model: F-02K

Sample Status: Identical Prototype

Applicant: FUJITSU CONNECTED TECHNOLOGIES Ltd.

Test Date: Sep. 09, 2017 ~ Sep. 13, 2017

Standards: FCC Part 22, Subpart H

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 EMC characteristics under the conditions specified in this report.

Evonne Liu / Specialist

Approved by: , **Date:** Sep. 22, 2017

David Huang / Project Engineer



2 Summary of Test Results

	Applied Standard: FCC Part 22 & Part 2							
FCC Clause	Test Item	Result	Remarks					
2.1046 22.913 (a)	Effective Radiated Power		Meet the requirement of limit.					
	Peak to Average Ratio		Meet the requirement of limit.					
2.1055 22.355 Frequency Stability		Pass	Meet the requirement of limit.					
2.1049	2.1049 Occupied Bandwidth		Meet the requirement of limit.					
22.917	Band Edge Measurements	Pass	Meet the requirement of limit.					
2.1051 22.917	Conducted Spurious Emissions	Pass	Meet the requirement of limit.					
2.1053 22.917	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -24.13 dB at 30.00 MHz.					

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:

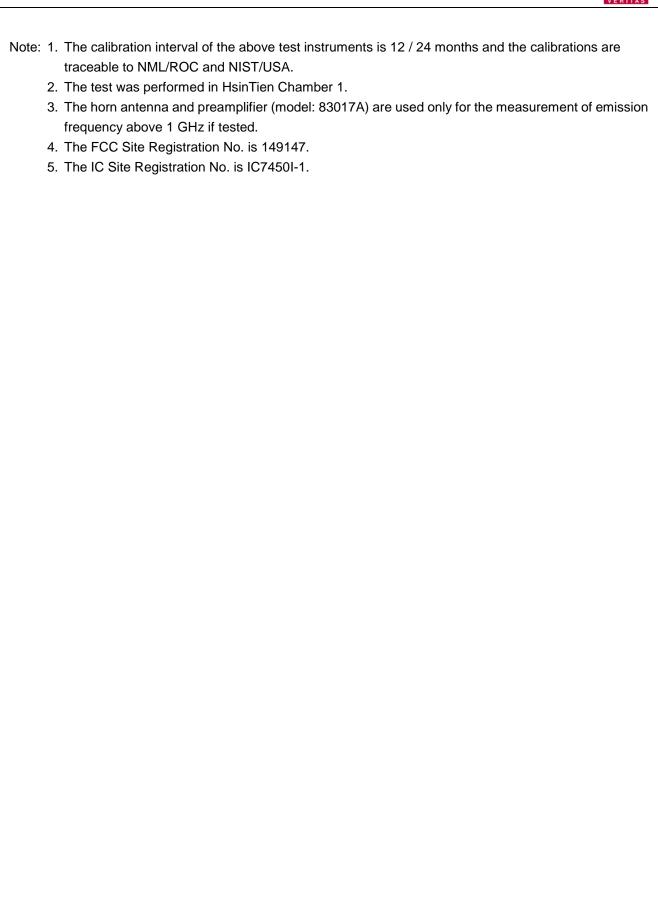
Measurement	Frequency	Expended Uncertainty (k=2) (±)
Conducted Emissions at mains ports	150 kHz ~ 30 MHz	2.44 dB
Radiated Emissions up to 1 GHz	30 MHz ~ 200 MHz	2.0153 dB
Radiated Emissions up to 1 GHZ	200 MHz ~1000 MHz	2.0224 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	1.0121 dB
Radiated Emissions above 1 GHZ	18 GHz ~ 40 GHz	1.1508 dB



2.2 Test Site and Instruments

Description & Manaufacturer	Model No.	Serial No.	Date of Calibration	Due Date of Calibration
Test Receiver Agilent Technologies	N9038A	MY52260177	Jul. 05, 2017	Jul. 04, 2018
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Dec. 13, 2016	Dec. 12, 2017
BILOG Antenna SCHWARZBECK	VULB9168	9168-472	Dec. 16, 2016	Dec. 15, 2017
HORN Antenna ETS-Lindgren	3117	00143293	Dec. 29, 2016	Dec. 28, 2017
Double Ridge Guide Horn Antenna EMCO	3115	5619	Dec. 27, 2016	Dec. 26, 2017
BILOG Antenna SCHWARZBECK	VULB 9168	9168-153	Dec. 13, 2016	Dec. 12, 2017
HORN Antenna SCHWARZBECK	BBHA 9170	9170-480	Dec. 14, 2016	Dec. 13, 2017
Fixed Attenuator Mini-Circuits	BW-N10W5+	NA	Jul. 07, 2017	Jul. 06, 2018
Loop Antenna	HLA 6121	45745	May 19, 2017	May 18, 2018
MXG Vector signal generator Agilent	N5182B	MY53050430	Oct. 19, 2016	Oct. 18, 2017
Preamplifier Agilent	310N	187226	Jun. 23, 2017	Jun. 22, 2018
Preamplifier Agilent	83017A	MY39501357	Jun. 23, 2017	Jun. 22, 2018
Power Meter Anritsu	ML2495A	1145013	Mar. 07, 2017	Mar. 06, 2018
Power Sensor Anritsu	MA2411B	1315050	Aug. 15, 2017	Aug. 14, 2017
RF signal cable ETS-LINDGREN	5D-FB	Cable-CH1-01(R FC-SMS-100-SM S-120+RFC-SMS -100-SMS-400)	Jun. 23, 2017	Jun. 22, 2018
RF signal cable ETS-LINDGREN	8D-FB	Cable-CH1-02(R FC-SMS-100-SM S-24)	Jun. 23, 2017	Jun. 22, 2018
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
Communications Tester-Wireless Agilent	8960 Series 10	MY53201073	Jun. 28, 2017	Jun. 27, 2019
Radio Communication Analyzer Anritsu	MT8820C	6201168830	Oct. 31, 2016	Oct. 30, 2017







3 General Information

3.1 General Description of EUT

Product	Tablet PC			
Brand	FUJITSU			
Test Model	F-02K			
Status of EUT	Identical Prototype			
Power Supply Rating	5.0 Vdc (adapter or host equipment) 3.8 Vdc (Li-ion battery)			
	WCDMA	QPSK		
Modulation Type	LTE	QPSK, 16QAM		
	WCDMA	826.4 ~ 846.6 MHz		
	LTE 5 (Channel Bandwidth: 1.4 MHz)	824.7 ~ 848.3 MHz		
Frequency Range	LTE 5 (Channel Bandwidth: 3 MHz)	825.5 ~ 847.5 MHz		
	LTE 5 (Channel Bandwidth: 5 MHz)	826.5 ~ 846.5 MHz		
	LTE 5 (Channel Bandwidth: 10 MHz)	829 ~ 844 MHz		
	WCDMA	132.74 mW		
	LTE 5 (Channel Bandwidth: 1.4 MHz)	127.70 mW		
Max. ERP Power	LTE 5 (Channel Bandwidth: 3 MHz)	127.88 mW		
	LTE 5 (Channel Bandwidth: 5 MHz)	127.29 mW		
	LTE 5 (Channel Bandwidth: 10 MHz)	128.59 mW		
	WCDMA	4M16F9W		
	LTE 5 (Channel Bandwidth: 1.4 MHz)	1M09W7D		
Emission Designator	LTE 5 (Channel Bandwidth: 3 MHz)	2M70G7D		
	LTE 5 (Channel Bandwidth: 5 MHz)	4M50W7D		
	LTE 5 (Channel Bandwidth: 10 MHz)	8M97G7D		
Antenna Type λ /4 Monopole Antenna				
Accessory Device	Refer to Note as below			
Data Cable Supplied	Refer to Note as below			

Note:

1. The EUT contains following accessory devices.

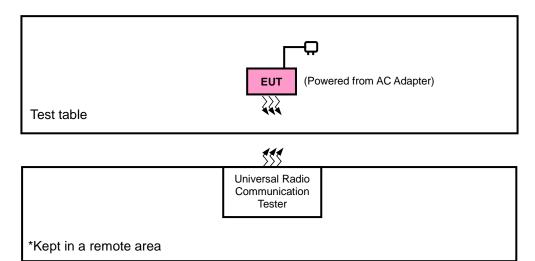
Product	Brand	Model	Description	
Adapter	NTT docomo	AC Adapter 06	I/P: 100-240 Vac, 50/60 Hz, 0.8 A	
Adapter	NTT GOCOTIO	AC Adapter 00	O/P: 5 Vdc, 3 A	
Dotton	FUJITSU CONNECTED	CA54310-0068	3.8 Vdc, 6000 mAh	
Battery	TECHNOLOGIES Ltd	CA34310-0000	5.6 Vuc, 6000 man	
Stylus pen	Wacom Co., Ltd.	ESP-101-35-5		
Stand (no charging	FUJITSU CONNECTED	JBC3348-010010		
function)	TECHNOLOGIES Ltd.	JDC3346-010010		

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

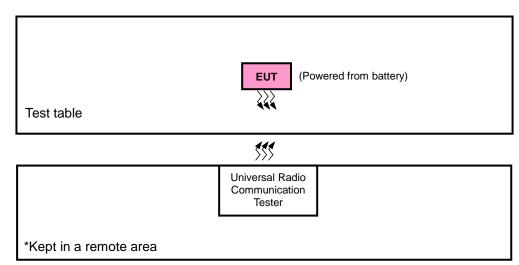


3.2 Configuration of System under Test

<Radiated Emission Test>



<E.R.P. 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.



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, XYZ axis, 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
WCDMA	X-plane	X-axis
LTE Band 5	X-plane	X-axis

WCDMA

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Mode
-	ERP	4132 to 4233	4132, 4182, 4233	WCDMA
-	Frequency Stability	4132 to 4233	4132, 4233	WCDMA
-	Occupied Bandwidth	4132 to 4233	4132, 4182, 4233	WCDMA
-	Band Edge	4132 to 4233	4132, 4233	WCDMA
-	Peak to Average Ratio	4132 to 4233	4132, 4182, 4233	WCDMA
-	Condcudeted Emission	4132 to 4233	4132, 4182, 4233	WCDMA
-	Radiated Emission	4132 to 4233	4132, 4182, 4233	WCDMA

LTE Band 5

EUT Configure Mode	Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation	Mode
		20407 to 20643	20407, 20525, 20643	1.4 MHz	QPSK, 16QAM	1 RB / 2 RB Offset
	EDD.	20415 to 20635	20415, 20525, 20635	3 MHz	QPSK, 16QAM	1 RB / 7 RB Offset
-	ERP	20425 to 20625	20425, 20525, 20625	5 MHz	QPSK, 16QAM	1 RB / 12 RB Offset
		20450 to 20600	20450, 20525, 20600	10 MHz	QPSK, 16QAM	1 RB / 24 RB Offset
		20407 to 20643	20407, 20643	1.4 MHz	QPSK	1 RB / 2 RB Offset
	Frequency	20415 to 20635	20415, 20635	3 MHz	QPSK	1 RB / 7 RB Offset
-	Stability	20425 to 20625	20425, 20625	5 MHz	QPSK	1 RB / 12 RB Offset
		20450 to 20600	20450, 20600	10 MHz	QPSK	1 RB / 24 RB Offset
		20407 to 20643	20407, 20525, 20643	1.4 MHz	QPSK, 16QAM	6 RB / 0 RB Offset
	Occupied Bandwidth	20415 to 20635	20415, 20525, 20635	3 MHz	QPSK, 16QAM	15 RB / 0 RB Offset
-		20425 to 20625	20425, 20525, 20625	5 MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		20450 to 20600	20450, 20525, 20600	10 MHz	QPSK, 16QAM	50 RB / 0 RB Offset
	20407 to 20643	20407	1.4MHz	QPSK	1 RB / 0 RB Offset	
		20407 to 20642	20407	1.4₩ΠΖ	QFSK	6 RB / 0 RB Offset
		20407 10 20043	20643	4 48 41 1	QPSK	1 RB / 5 RB Offset
				1.4MHz		6 RB / 0 RB Offset
-	Band Edge		20.445	2 MH I-	ODCK	1 RB / 0 RB Offset
		20445 +- 20025	20415	3 MHz	QPSK	15 RB / 0 RB Offset
		20415 to 20635	20635	2 MUI-	ODCK	1 RB / 14 RB Offset
				3 MHz	QPSK	15 RB / 0 RB Offset
		20425 to 20625	20425	5 MHz	QPSK	1 RB / 0 RB Offset



						25 RB / 0 RB Offset
			00005	C MILL	OPOK	1 RB / 24 RB Offset
			20625	5 MHz	QPSK	25 RB / 0 RB Offset
			20450	10 MH=	QPSK	1 RB / 0 RB Offset
		20450 to 20600	20450	10 MHz	QPSK	50 RB / 0 RB Offset
		20450 to 20600	20600	10 MHz	QPSK	1 RB / 49 RB Offset
			20000	10 MHZ	QPSK	50 RB / 0 RB Offset
	Peak to Average Ratio	20407 to 20643	20407, 20525, 20643	1.4 MHz	QPSK, 16QAM	6 RB / 0 RB Offset
		20415 to 20635	20415, 20525, 20635	3 MHz	QPSK, 16QAM	15 RB / 0 RB Offset
-		20425 to 20625	20425, 20525, 20625	5 MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		20450 to 20600	20450, 20525, 20600	10 MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		20407 to 20643	20407, 20525, 20643	1.4 MHz	QPSK	1 RB / 2 RB Offset
	Conducted	20415 to 20635	20415, 20525, 20635	3 MHz	QPSK	1 RB / 7 RB Offset
-	Emission	20425 to 20625	20425, 20525, 20625	5 MHz	QPSK	1 RB / 12 RB Offset
		20450 to 20600	20450, 20525, 20600	10 MHz	QPSK	1 RB / 24 RB Offset
-	Radiated Emission	20450 to 20600	20450, 20525, 20600	10 MHz	QPSK	1 RB / 24 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
ERP	25 deg. C, 65 % RH	3.85 Vdc	Carlos Chen
Frequency Stability	25 deg. C, 65 % RH	3.85 Vdc	Carlos Chen
Occupied Bandwidth	25 deg. C, 65 % RH	3.85 Vdc	Carlos Chen
Band Edge	25 deg. C, 65 % RH	3.85 Vdc	Carlos Chen
Peak to Average Ratio	25 deg. C, 65 % RH	3.85 Vdc	Carlos Chen
Condcudeted Emission	25 deg. C, 65 % RH	3.85 Vdc	Carlos Chen
Radiated Emission	25 deg. C, 65 % RH	120 Vac, 60 Hz	Charles Hsiao & Getaz Yang



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 22
KDB 971168 D01 Power Meas License Digital Systems v02r02
ANSI/TIA/EIA-603-D 2010

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

Mobile / Portable station are limited to 7 watts e.r.p.

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 1 MHz for GSM, GPRS & EDGE mode.
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m 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 form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power 2.15 dBi.

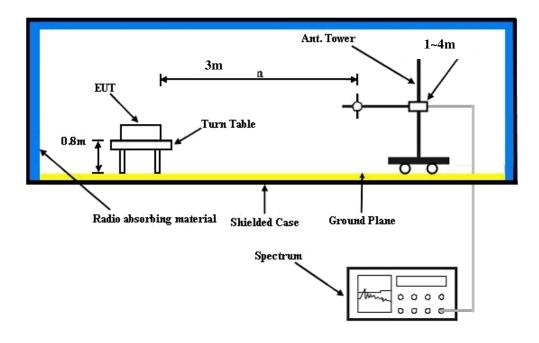
Conducted Power Measurement:

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



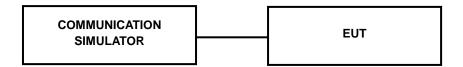
4.1.3 Test Setup

EIRP / ERP Measurement:



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

Conducted Power Measurement:





4.1.4 Test Results

Conducted Output Power (dBm)

Band		WCDMA V	
Channel	4132	4182	4233
Frequency (MHz)	826.4	836.4	846.6
RMC 12.2K	23.57	23.61	23.78
HSDPA Subtest-1	22.57	22.61	22.78
HSDPA Subtest-2	22.56	22.60	22.77
HSDPA Subtest-3	22.06	22.10	22.27
HSDPA Subtest-4	22.08	22.12	22.29
HSUPA Subtest-1	22.58	22.62	22.79
HSUPA Subtest-2	20.54	20.58	20.75
HSUPA Subtest-3	21.62	21.66	21.83
HSUPA Subtest-4	20.60	20.64	20.81
HSUPA Subtest-5	22.66	22.70	22.87



				QPSK				16QAM		
Band /	RB Size	RB Offset	Low Ch 20407	Mid Ch 20525	High Ch 20643	3GPP MPR	Low Ch 20407	Mid Ch 20525	High Ch 20643	3GPP MPR
BVV	Size	Oliset	824.7 MHz	836.5 MHz	848.3 MHz	(dB)	824.7 MHz	836.5 MHz	848.3 MHz	(dB)
	1	0	23.20	23.39	23.55	0	22.18	22.38	22.60	1
	1	2	23.18	23.36	23.52	0	22.13	22.35	22.51	1
	1	5	23.12	23.30	23.46	0	22.09	22.26	22.47	1
5 / 1.4M	3	0	22.08	22.28	22.60	0	21.02	21.25	21.58	1
	3	1	22.03	22.25	22.45	0	21.01	21.21	21.37	1
	3	3	22.18	22.41	22.56	0	21.18	21.35	21.53	1
	6	0	22.03	22.23	22.35	1	21.05	21.16	21.45	2

				QPSK				16QAM		
Band /	RB Since	RB	Low Ch 20415	Mid Ch 20525	High Ch 20635	3GPP MPR	Low Ch 20415	Mid Ch 20525	High Ch 20635	3GPP MPR
BW	Size	Offset	825.5	836.5	847.5	(dB)	825.5	836.5	847.5	(dB)
			MHz	MHz	MHz		MHz	MHz	MHz	
	1	0	23.29	23.43	23.60	0	22.33	22.47	22.64	1
	1	7	23.25	23.42	23.56	0	22.27	22.46	22.63	1
	1	14	23.18	23.34	23.51	0	22.21	22.38	22.56	1
5 / 3M	8	0	22.22	22.39	22.65	1	21.20	21.39	21.66	2
	8	3	22.18	22.36	22.51	1	21.15	21.37	21.54	2
	8	7	22.29	22.47	22.63	1	21.29	21.49	21.62	2
	15	0	22.20	22.34	22.53	1	21.19	21.32	21.47	2

				QPSK				16QAM		
Band /	RB Since	RB Offset	Low Ch 20425	Mid Ch 20525	High Ch 20625	3GPP MPR	Low Ch 20425	Mid Ch 20525	High Ch 20625	3GPP MPR
BW	Size	Offset	826.5	836.5	846.5	(dB)	826.5	836.5	846.5	(dB)
			MHz	MHz	MHz		MHz	MHz	MHz	
	1	0	23.41	23.50	23.65	0	22.39	22.54	22.70	1
	1	12	23.34	23.49	23.62	0	22.34	22.51	22.66	1
	1	24	23.28	23.43	23.57	0	22.29	22.45	22.61	1
5 / 5M	12	0	22.36	22.51	22.76	1	21.35	21.50	21.74	2
	12	6	22.33	22.49	22.64	1	21.29	21.46	21.60	2
	12	13	22.45	22.57	22.75	1	21.34	21.56	21.77	2
	25	0	22.34	22.48	22.60	1	21.27	21.44	21.69	2

				QPSK				16QAM		
Band / BW	RB Size	RB Offset	Low Ch 20450 829.0	Mid Ch 20525 836.5	High Ch 20600 844.0	3GPP MPR (dB)	Low Ch 20450 829.0	Mid Ch 20525 836.5	High Ch 20600 844.0	3GPP MPR (dB)
			MHz	MHz	MHz	()	MHz	MHz	MHz	()
	1	0	23.48	23.56	23.70	0	22.46	22.60	22.75	1
	1	24	23.40	23.55	23.66	0	22.45	22.59	22.72	1
	1	49	23.35	23.49	23.63	0	22.37	22.53	22.68	1
5 / 10M	25	0	22.55	22.64	22.83	1	21.46	21.63	21.78	2
	25	12	22.48	22.62	22.75	1	21.43	21.60	21.69	2
	25	25	22.61	22.70	22.84	1	21.56	21.69	21.82	2
	50	0	22.47	22.61	22.74	1	21.46	21.59	21.74	2



ERP Power (dBm)

				WCDMA			
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)
	4132	826.4	-7.83	31.208	21.23	132.68	
	4182	836.4	-7.92	31.3	21.23	132.74	Н
X	4233	846.6	-7.89	31.222	21.18	131.28	
^	4132	826.4	-14.16	31.504	15.19	33.07	
	4182	836.4	-13.82	31.117	15.15	32.71	V
	4233	846.6	-14.50	31.922	15.27	33.67	

				LTE Band 5							
	Channel Bandwidth: 1.4 MHz / QPSK										
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)				
	20407	824.7	-8.02	31.208	21.04	127.00					
	20525	836.5	-8.10	31.3	21.05	127.35	Н				
Х	20643	848.3	-8.01	31.222	21.06	127.70					
^	20407	824.7	-14.23	31.504	15.12	32.54					
	20525	836.5	-13.96	31.117	15.01	31.67	V				
	20643	848.3	-14.64	31.922	15.13	32.60					
		C	hannel Ban	dwidth: 1.4 MHz	/ 16QAM						
	20407	824.7	-9.01	31.208	20.05	101.11					
	20525	836.5	-9.13	31.3	20.02	100.46	Н				
V	20643	848.3	-8.96	31.222	20.11	102.61					
Х	20407	824.7	-15.26	31.504	14.09	25.67					
	20525	836.5	-14.96	31.117	14.01	25.16	V				
	20643	848.3	-15.69	31.922	14.08	25.60					



				LTE Band 5								
	Channel Bandwidth: 3 MHz / QPSK											
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)					
	20415	825.5	-7.99	31.208	21.07	127.88						
	20525	836.5	-8.14	31.3	21.01	126.18	Н					
X	20635	847.5	-8.06	31.222	21.01	126.24						
^	20415	825.5	-14.24	31.504	15.11	32.46						
	20525	836.5	-13.93	31.117	15.04	31.89	V					
	20635	847.5	-14.74	31.922	15.03	31.86						
			Channel Ba	ndwidth: 3 MHz	/ 16QAM							
	20415	825.5	-9.03	31.208	20.03	100.65						
	20525	836.5	-9.08	31.3	20.07	101.62	Н					
l x	20635	847.5	-8.99	31.222	20.08	101.91						
_ ^	20415	825.5	-15.31	31.504	14.04	25.37						
	20525	836.5	-14.97	31.117	14.00	25.10	V					
	20635	847.5	-15.72	31.922	14.05	25.42						

				LTE Band 5							
	Channel Bandwidth: 5 MHz / QPSK										
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)				
	20425	826.5	-8.01	31.208	21.05	127.29					
	20525	836.5	-8.12	31.3	21.03	126.77	Н				
l x	20625	846.5	-8.03	31.222	21.04	127.12					
_ ^	20425	826.5	-14.32	31.504	15.03	31.87					
	20525	836.5	-13.90	31.117	15.07	32.11	V				
	20625	846.5	-14.70	31.922	15.07	32.15					
			Channel Ba	ndwidth: 5 MHz	/ 16QAM						
	20425	826.5	-9.03	31.208	20.03	100.65					
	20525	836.5	-9.04	31.3	20.11	102.57	Н				
X	20625	846.5	-9.06	31.222	20.01	100.28					
^	20425	826.5	-15.24	31.504	14.11	25.79					
	20525	836.5	-14.92	31.117	14.05	25.39	V				
	20625	846.5	-15.70	31.922	14.07	25.54					



				LTE Band 5							
	Channel Bandwidth: 10 MHz / QPSK										
Plane	Channel	Frequency (MHz)	LVL (dBm)	Correction Factor (dB)	ERP (dBm)	ERP (mW)	Polarization (H/V)				
	20450	829.0	-8.02	31.208	21.04	127.00					
	20525	836.5	-8.12	31.3	21.03	126.77	Н				
X	20600	844.0	-7.98	31.222	21.09	128.59					
^	20450	829.0	-14.29	31.504	15.06	32.09					
	20525	836.5	-13.94	31.117	15.03	31.82	V				
	20600	844.0	-14.76	31.922	15.01	31.71					
		(Channel Bar	ndwidth: 10 MHz	/ 16QAM						
	20450	829.0	-8.92	31.208	20.14	103.23					
	20525	836.5	-9.11	31.3	20.04	100.93	Н				
V	20600	844.0	-9.04	31.222	20.03	100.74					
Х	20450	829.0	-15.27	31.504	14.08	25.61					
	20525	836.5	-14.90	31.117	14.07	25.51	V				
	20600	844.0	-15.75	31.922	14.02	25.25					



4.2 Frequency Stability Measurement

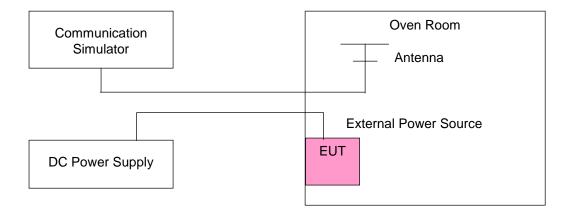
- 4.2.1 Limits of Frequency Stability Measurement
- 1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

4.2.2 Test Procedure

- a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
- b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
- c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ± 0.5 °C during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

4.2.3 Test Setup





4.2.4 Test Results

Frequency Error vs. Voltage

		WCI	OMA		
Voltage	Low Channel High Channel				Limit (ppm)
(Volts)	Frequency (MHz) Frequency Error (ppm)		Frequency (MHz)	Frequency Error (ppm)	
3.8	826.400002	0.003	846.600003	0.004	2.5
3.51	826.400004	0.005	846.600003	0.004	2.5
4.29	826.400004	0.004	846.600004	0.005	2.5

Note: The applicant defined the normal working voltage of the battery is from 3.51 Vdc to 4.29 Vdc.

		WCI	OMA		
Temp. (℃)	Low C	hannel	High C	hannel	Limit (ppm)
1 (3)	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-20	826.400001	0.002	846.600002	0.002	2.5
-10	826.400001	0.001	846.600001	0.001	2.5
0	826.400002	0.003	846.600002	0.002	2.5
10	826.400002	0.002	846.600002	0.002	2.5
20	826.399997	-0.003	846.599998	-0.002	2.5
30	826.399998	-0.003	846.599997	-0.004	2.5
40	826.399999	-0.002	846.599998	-0.003	2.5
50	826.399998	-0.002	846.599997	-0.003	2.5
55	826.399999	-0.001	846.599998	-0.003	2.5



Voltage					
(Volts)	Low Channel		High C	Limit (ppm)	
,	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
3.8	824.700004	0.004	848.300003	0.004	2.5
3.51	824.700001	0.001	848.300002	0.003	2.5
4.29	824.700004	0.004	848.300002	0.003	2.5

Note: The applicant defined the normal working voltage of the battery is from 3.51 Vdc to 4.29 Vdc.

	or vs. remperature	LTE B	and 5		
		Channel Band	width: 1.4 MHz		
Temp. (℃)	Low C	hannel	High C	hannel	Limit (ppm)
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-20	824.700002	0.002	848.300003	0.003	2.5
-10	824.700001	0.001	848.300004	0.004	2.5
0	824.700004	0.005	848.300004	0.004	2.5
10	824.700001	0.002	848.300002	0.002	2.5
20	824.699997	-0.004	848.299999	-0.002	2.5
30	824.699999	-0.002	848.299997	-0.004	2.5
40	824.699997	-0.004	848.299997	-0.004	2.5
50	824.699996	-0.005	848.299998	-0.003	2.5
55	824.699998	-0.002	848.299998	-0.003	2.5



Voltage					
(Volts)	Law Channel		High C	Limit (ppm)	
,	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
3.8	825.500004	0.005	847.500001	0.001	2.5
3.51	825.500002	0.002	847.500002	0.002	2.5
4.29	825.500002	0.002	847.500003	0.003	2.5

Note: The applicant defined the normal working voltage of the battery is from 3.51 Vdc to 4.29 Vdc.

		Channel Bandwidth: 3 MHz					
Temp. (℃)	Low C	hannel	High C	hannel	Limit (ppm)		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)			
-30	825.500002	0.002	847.500002	0.002	2.5		
-20	825.500002	0.002	847.500002	0.002	2.5		
-10	825.500002	0.002	847.500004	0.005	2.5		
0	825.500002	0.003	847.500002	0.003	2.5		
10	825.499996	-0.005	847.499998	-0.002	2.5		
20	825.499996	-0.004	847.499998	-0.003	2.5		
30	825.499999	-0.002	847.499997	-0.003	2.5		
40	825.499997	-0.003	847.499996	-0.005	2.5		
50	825.499997	-0.004	847.499997	-0.003	2.5		
60	825.500002	0.002	847.500002	0.002	2.5		



Voltage					
(Volts)	Low Channel		High C	Limit (ppm)	
,	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
3.8	826.500003	0.004	846.500002	0.002	2.5
3.51	826.500002	0.002	846.500001	0.002	2.5
4.29	826.500002	0.003	846.500003	0.004	2.5

Note: The applicant defined the normal working voltage of the battery is from 3.51 Vdc to 4.29 Vdc.

		Channel Bandwidth: 5 MHz					
Temp. (°C)	Low C	hannel	High C	hannel	Limit (ppm)		
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)			
-30	826.500002	0.003	846.500003	0.003	2.5		
-20	826.500002	0.003	846.500001	0.001	2.5		
-10	826.500004	0.005	846.500004	0.004	2.5		
0	826.500001	0.001	846.500002	0.002	2.5		
10	826.499998	-0.003	846.499998	-0.003	2.5		
20	826.499999	-0.001	846.499999	-0.001	2.5		
30	826.499997	-0.004	846.499996	-0.004	2.5		
40	826.499997	-0.004	846.499996	-0.005	2.5		
50	826.499998	-0.002	846.499997	-0.003	2.5		
60	826.500002	0.003	846.500003	0.003	2.5		



Voltage					
(Volts)	Law Channel		High C	Limit (ppm)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
3.8	829.000002	0.002	844.000001	0.001	2.5
3.51	829.000004	0.005	844.000004	0.005	2.5
4.29	829.000003	0.004	844.000004	0.005	2.5

Note: The applicant defined the normal working voltage of the battery is from 3.51 Vdc to 4.29 Vdc.

- 1	or vs. remperature				
		Channel Band	width: 10 MHz		
Temp. (℃)	Low C	hannel	High C	hannel	Limit (ppm)
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)	
-20	829.000003	0.004	844.000003	0.004	2.5
-10	829.000004	0.005	844.000002	0.002	2.5
0	829.000002	0.002	844.000003	0.004	2.5
10	829.000004	0.004	844.000003	0.004	2.5
20	828.999996	-0.005	843.999997	-0.004	2.5
30	828.999996	-0.004	843.999999	-0.001	2.5
40	828.999996	-0.005	843.999999	-0.002	2.5
50	828.999997	-0.004	843.999996	-0.005	2.5
55	828.999999	-0.002	843.999999	-0.002	2.5

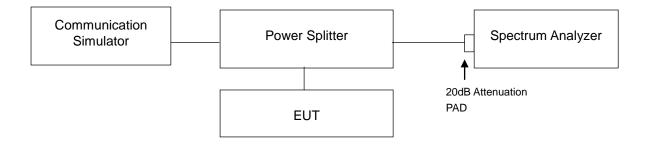


4.3 Occupied Bandwidth Measurement

4.3.1 Test Procedure

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

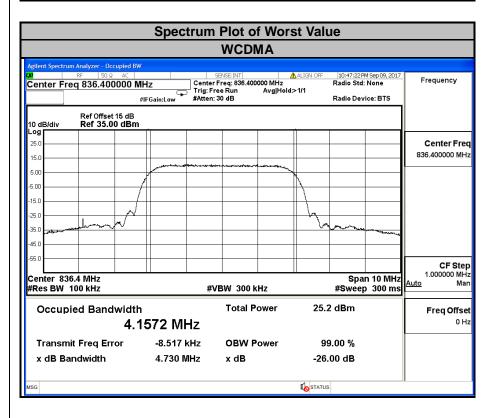
4.3.2 Test Setup





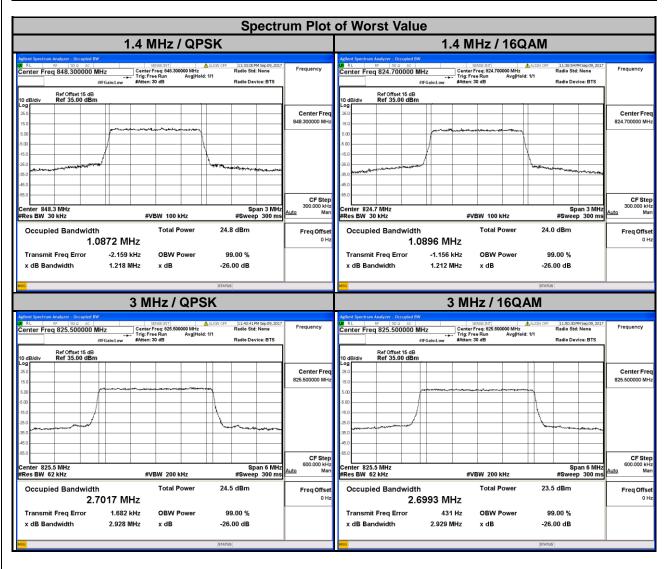
4.3.3 Test Result

Channal	Frequency	99 % Occupied Bandwidth (MHz)
Channel	(MHz)	WCDMA
4132	826.4	4.1559
4182	836.4	4.1572
4233	846.6	4.1473



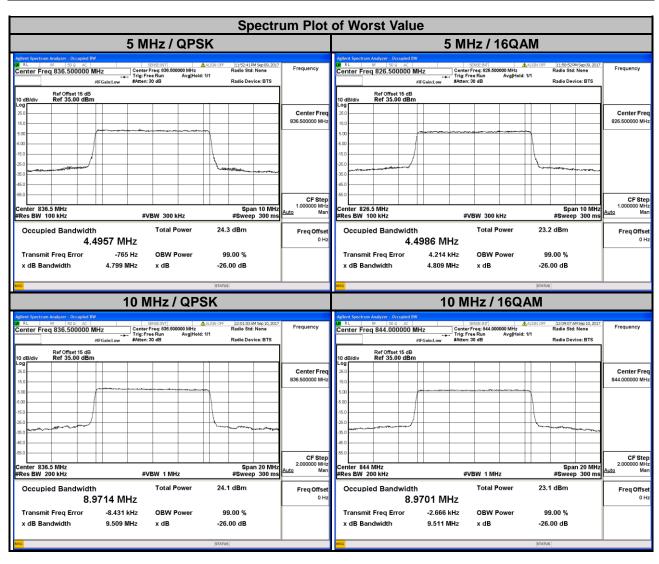


LTE Band 5									
Channel Bandwidth: 1.4 MHz					Channel Band	lwidth: 3 MH	z		
Channel	99 % Occupied Bandwidth (MHz)		Channel	Frequency	99 % Occupied Bandwidth (MHz)				
	(MHz)	QPSK	16QAM		(MHz)	QPSK	16QAM		
20407	824.7	1.0865	1.0896	20415	825.5	2.7017	2.6993		
20525	836.5	1.0870	1.0883	20525	836.5	2.7007	2.6975		
20643	848.3	1.0872	1.0884	20635	847.5	2.6999	2.6976		





LTE Band 5									
Channel Bandwidth: 5 MHz				C	hannel Band	width: 10 MF	lz		
Channel	Frequency (MHz)		99 % Occupied Bandwidth (MHz)		Frequency	99 % Occupied Bandwidth (MHz)			
		QPSK	16QAM		(MHz)	QPSK	16QAM		
20425	826.5	4.4953	4.4986	20450	829.0	8.9671	8.9655		
20525	836.5	4.4957	4.4933	20525	836.5	8.9714	8.9696		
20625	846.5	4.4908	4.4937	20600	844.0	8.9666	8.9701		



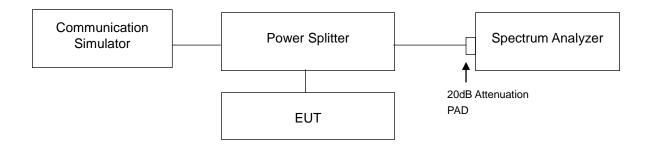


4.4 Band Edge Measurement

4.4.1 Limits of Band Edge Measurement

Power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

4.4.2 Test Setup

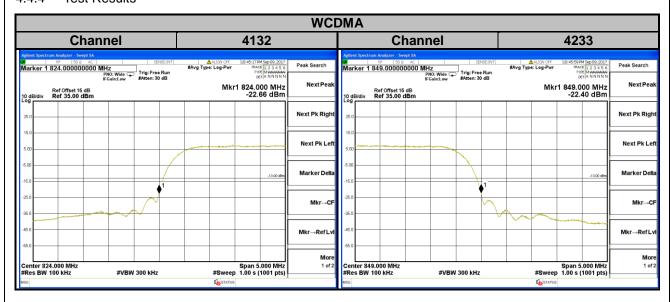


4.4.3 Test Procedures

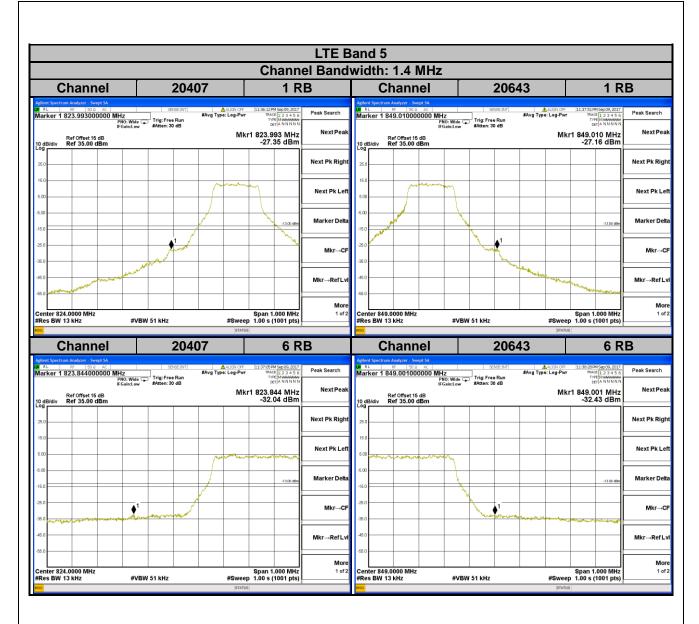
- a. All measurements were done at low and high operational frequency range.
- b. The center frequency of spectrum is the band edge frequency and span is 5 MHz. RB of the spectrum is 100 kHz and VB of the spectrum is 300 kHz (WCDMA).
- c. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 13 kHz and VB of the spectrum is 51 kHz (LTE Bandwidth 1.4 MHz).
- d. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 30 kHz and VB of the spectrum is 100 kHz (LTE Bandwidth 3 MHz).
- e. The center frequency of spectrum is the band edge frequency and span is 1 MHz. RB of the spectrum is 100 kHz and VB of the spectrum is 300 kHz (LTE Bandwidth 5 MHz/10 MHz).
- f. Record the max trace plot into the test report.



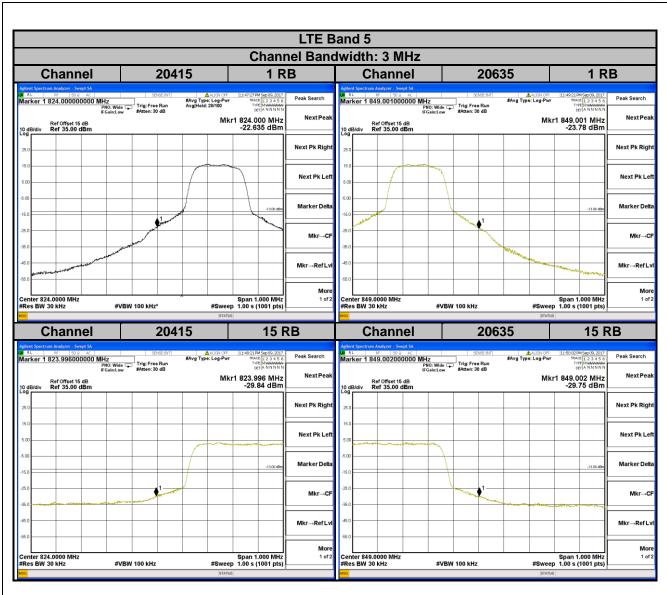
4.4.4 Test Results



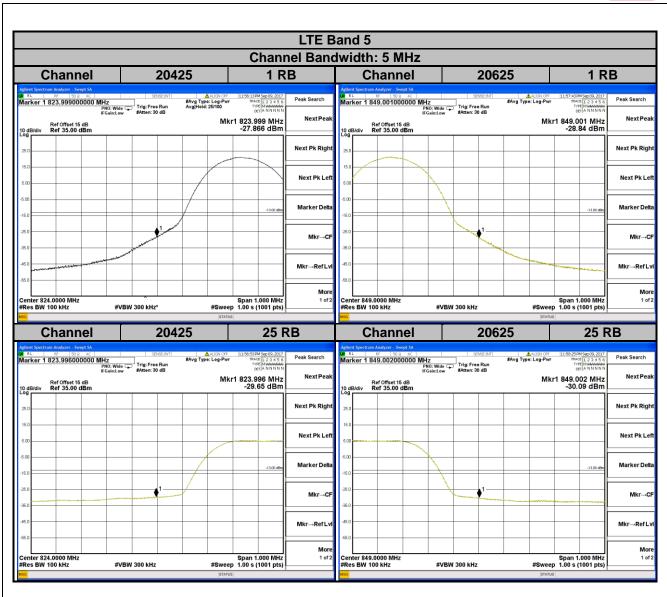




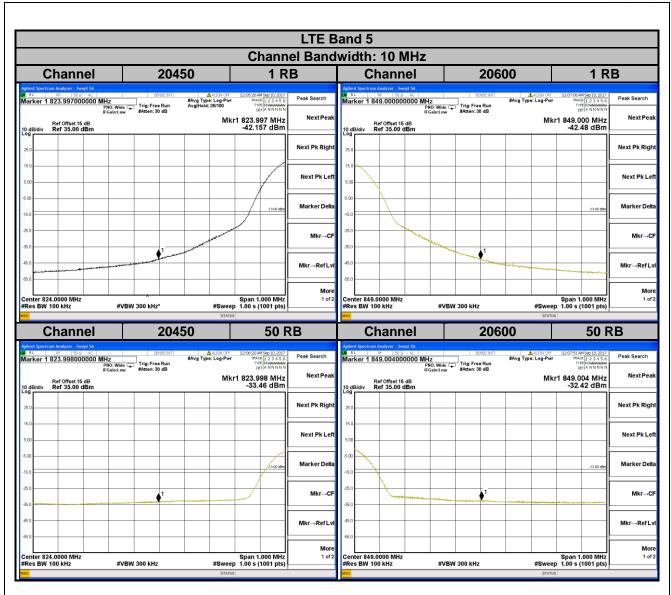












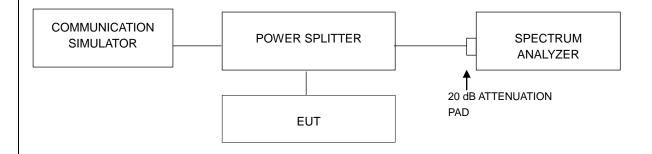


4.5 Peak to Average Ratio

4.5.1 Limits of Peak to Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB.

4.5.2 Test Setup



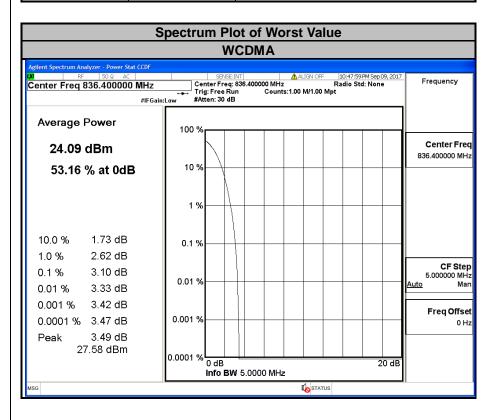
4.5.3 Test Procedures

- 1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
- 2. Set the number of counts to a value that stabilizes the measured CCDF curve;
- 3. Record the maximum PAPR level associated with a probability of 0.1 %.



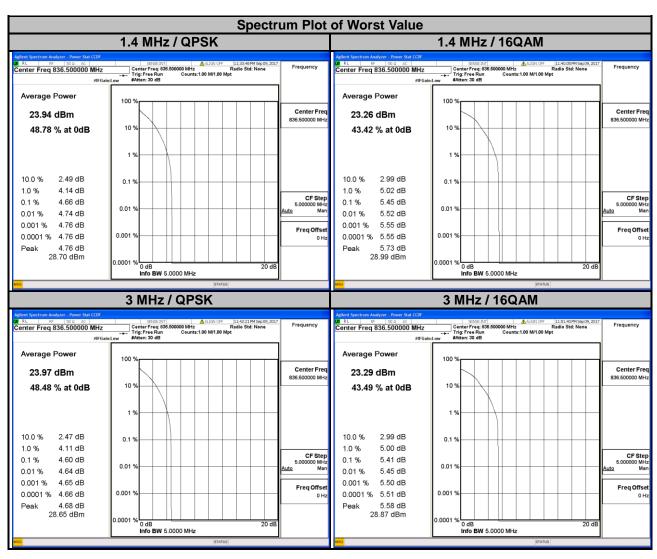
4.5.4 Test Results

Channel	Frequency	Peak to Average Ratio (dB)				
Chamer	(MHz)	WCDMA 3.07				
4132	826.4	3.07				
4182	836.4	3.10				
4233	846.6	3.00				



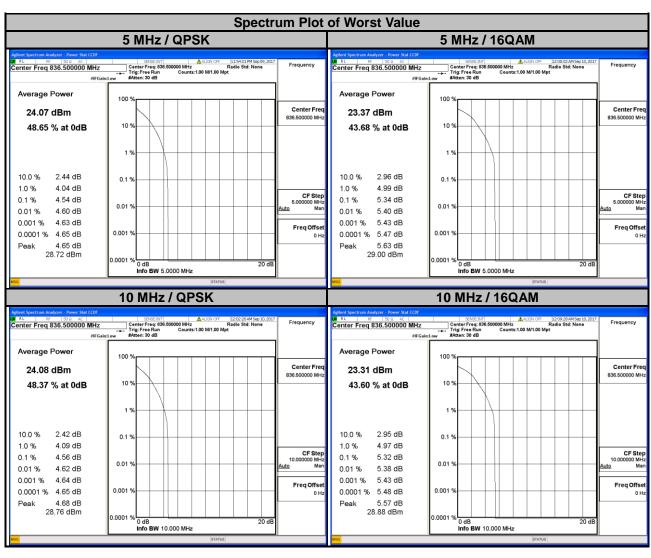


LTE Band 5									
С	hannel Band	width: 1.4 MH	·lz	Channel Bandwidth: 3 MHz					
Channel	Frequency	Peak to Ave	erage Ratio B)	Channel	Frequency	Peak to Average Ratio (dB)			
	(MHz)	QPSK 16QAM (MHz)	(IVITIZ)	QPSK	16QAM				
20407	824.7	4.51	5.28	20415	825.5	4.46	5.19		
20525	836.5	4.66	5.45	20525	836.5	4.60	5.41		
20643	848.3	4.26	5.01	20635	847.5	4.28	5.06		





LTE Band 5									
(Channel Band	dwidth: 5 MH:	z	Channel Bandwidth: 10 MHz					
Channel	Frequency (MHz)		Peak to Average Ratio (dB)		Frequency	Peak to Average Ratio (dB)			
		QPSK	16QAM		(MHz)	QPSK	16QAM		
20425	826.5	4.44	5.25	20450	829.0	4.44	5.25		
20525	836.5	4.54	5.34	20525	836.5	4.56	5.32		
20625	846.5	4.33	5.14	20600	844.0	4.43	5.26		



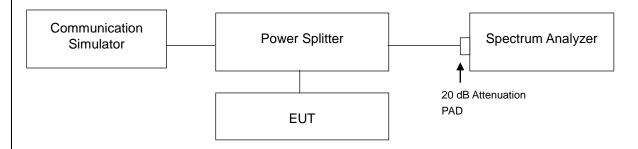


4.6 Conducted Spurious Emissions

4.6.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13 dBm.

4.6.2 Test Setup

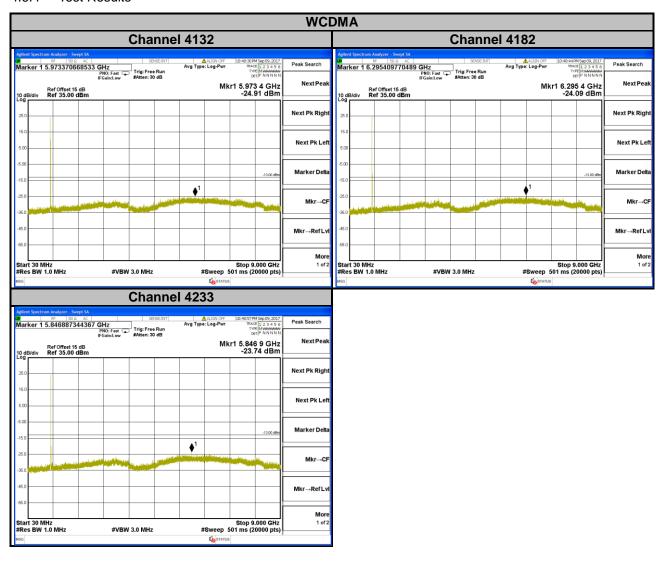


4.6.3 Test Procedure

- a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- b. Measuring frequency range is from 9 kHz to 9 GHz. 20 dB attenuation pad is connected with spectrum. RBW=1 MHz and VBW=3 MHz is used for conducted emission measurement.



4.6.4 Test Results



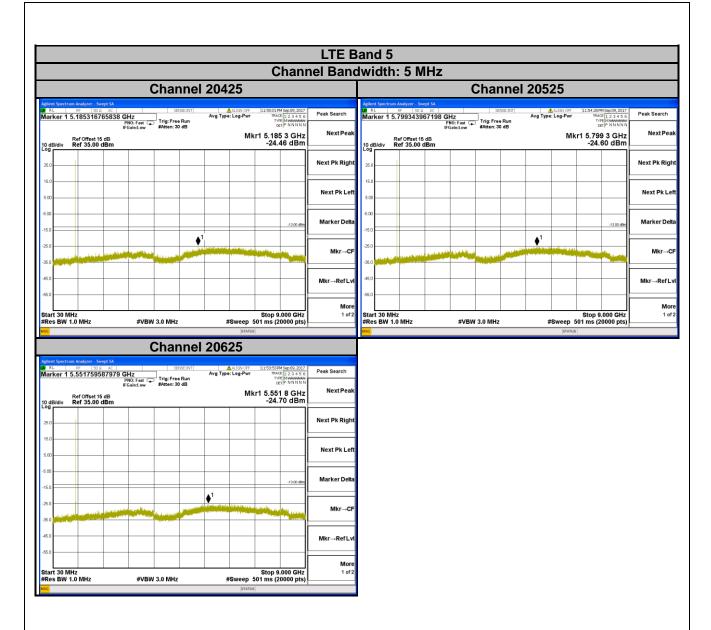




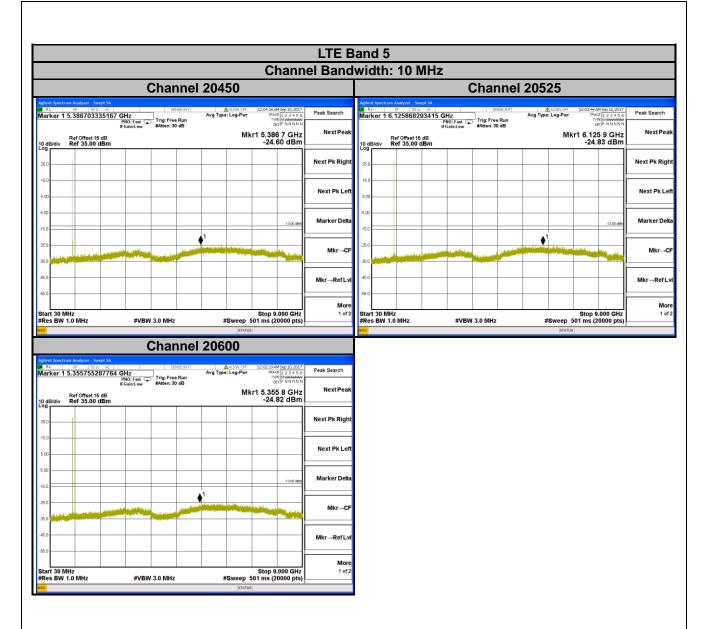














4.7 Radiated Emission Measurement

4.7.1 Limits of Radiated Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit is equal to -13 dBm.

4.7.2 Test Procedure

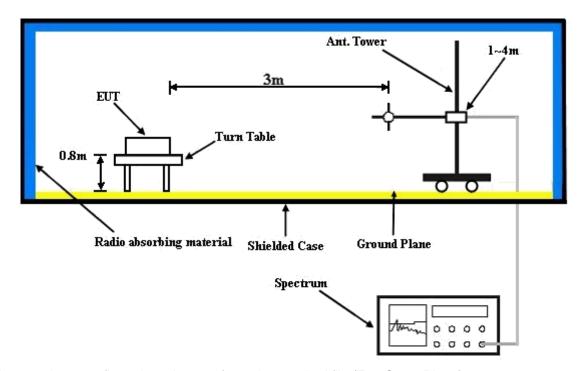
- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height 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 form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power 2.15 dBi.

NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1 MHz/3 MHz.

4.7.3 Deviation from Test Standard

No deviation.

4.7.4 Test Setup



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

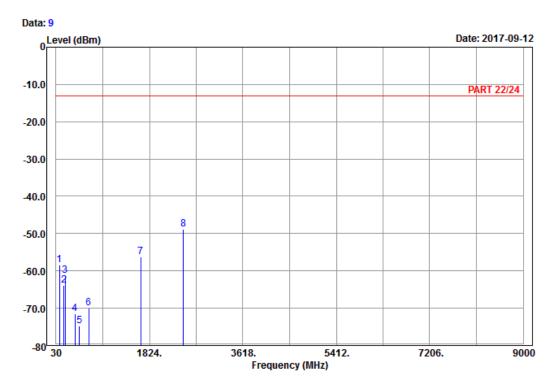


4.7.5 Test Results

WCDMA: Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 chamber 1

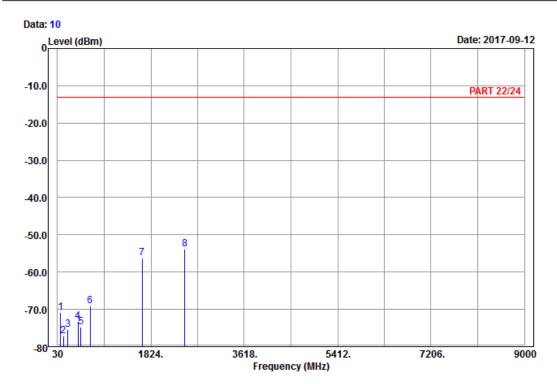
Condition: PART 22/24 Horizontal Remark : Band V_Link_CH4132 Tested by: Charles Hsiao

Read Limit Over

			ncuu	LIMIT	0,00		
	Freq	Level	Level	Line	Limit	Factor	Remark
_	MHz	dBm	dBm	dBm	dB	dB	
1	99.12	-58.32	-48.14	-13.00	-45.32	-10.18	Peak
2	178.50	-63.80	-58.02	-13.00	-50.80	-5.78	Peak
3	206.85	-61.28	-55.19	-13.00	-48.28	-6.09	Peak
4	392.40	-71.48	-68.38	-13.00	-58.48	-3.10	Peak
5	478.50	-74.69	-70.04	-13.00	-61.69	-4.65	Peak
6	659.80	-70.02	-69.84	-13.00	-57.02	-0.18	Peak
7	1652.80	-56.22	-63.95	-13.00	-43.22	7.73	Peak
8 nn	2479 20	-48 93	-59 96	-13 00	-35 93	11 03	Peak







Site : 966 chamber 1 Condition: PART 22/24 Vertical Remark : Band V_Link_CH4132

Tested by: Charles Hsiao

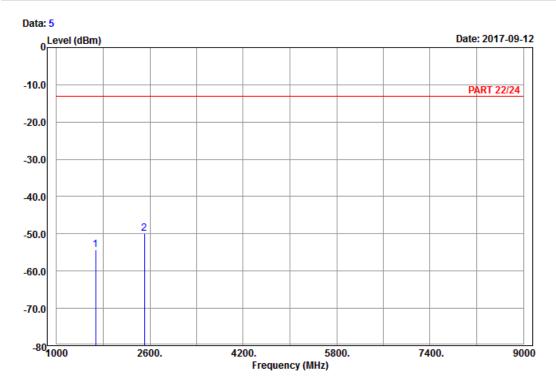
	Freq	Level		Limit Line		Factor	Remark
-	MHz	dBm	dBm	dBm	dB	dB	
1	85.35	-70.81	-59.59	-13.00	-57.81	-11.22	Peak
2	142.32	-77.11	-69.35	-13.00	-64.11	-7.76	Peak
3	226.56	-75.49	-69.67	-13.00	-62.49	-5.82	Peak
4	421.10	-73.30	-70.09	-13.00	-60.30	-3.21	Peak
5	481.30	-74.79	-70.06	-13.00	-61.79	-4.73	Peak
6	661.20	-69.01	-68.82	-13.00	-56.01	-0.19	Peak
7	1652.80	-56.21	-63.94	-13.00	-43.21	7.73	Peak
8 pp	2479.20	-53.86	-64.89	-13.00	-40.86	11.03	Peak



Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 chamber 1

Condition: PART 22/24 Horizontal Remark : Band V_Link_CH4182

Tested by: Charles Hsiao

Read Limit Over

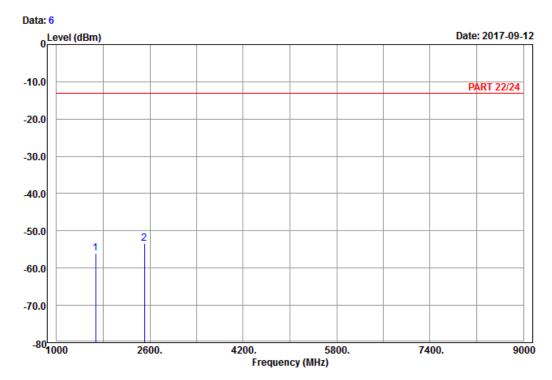
Freq Level Level Line Limit Factor Remark

MHz dBm dBm dB dB

1 1672.80 -54.24 -62.15 -13.00 -41.24 7.91 Peak 2 pp 2509.20 -49.88 -61.16 -13.00 -36.88 11.28 Peak







Site : 966 chamber 1 Condition: PART 22/24 Vertical Remark : Band V_Link_CH4182

Tested by: Charles Hsiao

Read Limit Over Freq Level Level Line Limit Factor Remark

MHz dBm dBm dB dB

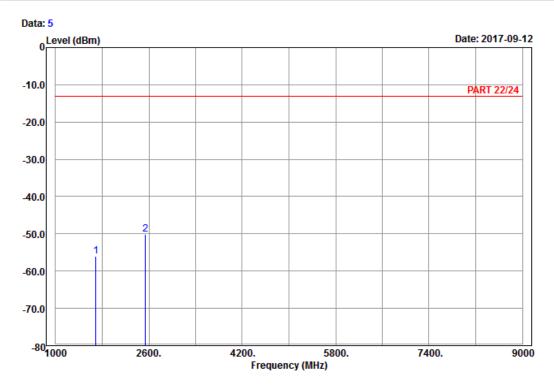
1 1672.80 -56.01 -63.92 -13.00 -43.01 7.91 Peak 2 pp 2509.20 -53.42 -64.70 -13.00 -40.42 11.28 Peak



High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 chamber 1

Condition: PART 22/24 Horizontal Remark : Band V_Link_CH4233

Tested by: Charles Hsiao

Read Limit Over

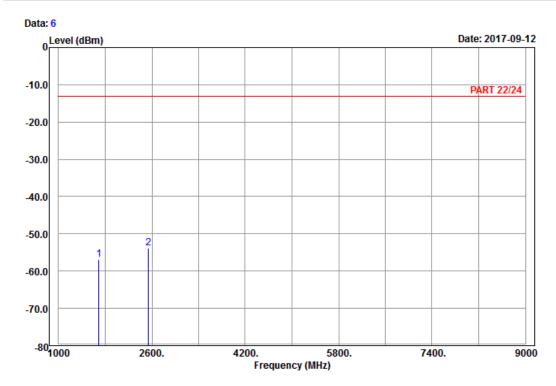
Freq Level Line Limit Factor Remark

MHz dBm dBm dB dB

1 1693.20 -55.93 -64.07 -13.00 -42.93 8.14 Peak 2 pp 2539.80 -50.08 -61.55 -13.00 -37.08 11.47 Peak







Site : 966 chamber 1
Condition: PART 22/24 Vertical
Remark : Band V_Link_CH4233
Tested by: Charles Hsiao

Read Limit Over Freq Level Level Line Limit Factor Remark

MHz dBm dBm dB dB

1 1693.20 -56.85 -64.99 -13.00 -43.85 8.14 Peak 2 pp 2539.80 -53.86 -65.33 -13.00 -40.86 11.47 Peak



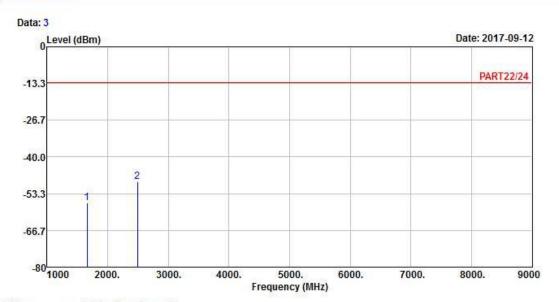
LTE Band 5

Channel Bandwidth: 10 MHz / QPSK

Low Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL
Remark : LTE Band V_QPSK_10M_L-CH

Tested by: Getaz Yang

Read Limit Over

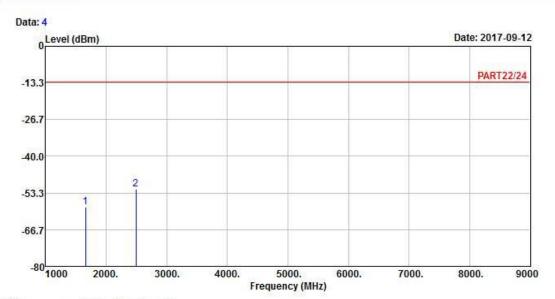
Freq Level Level Line Limit Factor Remark

MHz dBm dBm dB dB dB

1 1658.00 -56.68 -42.00 -13.00 -43.68 -14.68 Peak 2 pp 2487.00 -49.10 -38.66 -13.00 -36.10 -10.44 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remark : LTE Band V_QPSK_10M_L-CH

Tested by: Getaz Yang

Read Limit Over
Freq Level Level Line Limit Factor Remark

MHz dBm dBm dBm dB dB

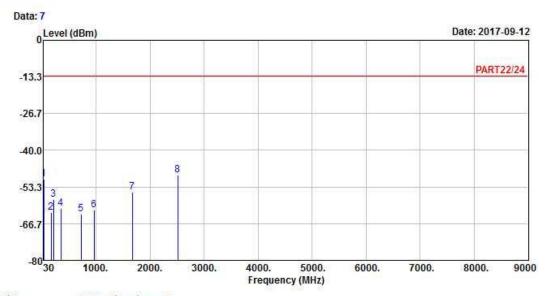
1 1658.00 -58.49 -43.81 -13.00 -45.49 -14.68 Peak 2 pp 2487.00 -52.08 -41.64 -13.00 -39.08 -10.44 Peak



Middle Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



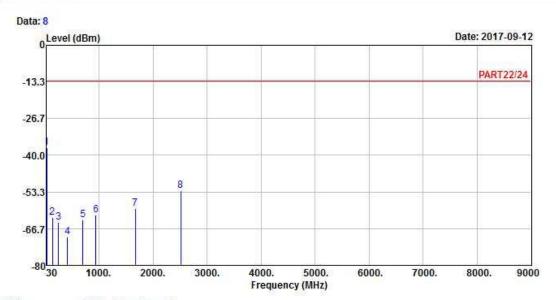
Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL Remark : LTE Band V_QPSK_10M_M-CH Tested by: Getaz Yang
Read Limit

			Kead	Limit	Over		
	Freq	Level	Level	Line	Limit	Factor	Remark
8	MHz	dBm	dBm	dBm	dB	dB	\$
1	30.00	-50.60	-50.98	-13.00	-37.60	0.38	Peak
2	167.70	-62.61	-57.22	-13.00	-49.61	-5.39	Peak
3	215.49	-57.81	-50.41	-13.00	-44.81	-7.40	Peak
4	346.20	-61.13	-54.83	-13.00	-48.13	-6.30	Peak
5	720.00	-63.09	-63.37	-13.00	-50.09	0.28	Peak
6	960.80	-61.84	-64.05	-13.00	-48.84	2.21	Peak
7	1673.00	-55.08	-40.40	-13.00	-42.08	-14.68	Peak
8 pp	2509.50	-48.89	-37.98	-13.00	-35.89	-10.91	Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remark : LTE Band V_QPSK_10M_M-CH

Tested by: Getaz Yang

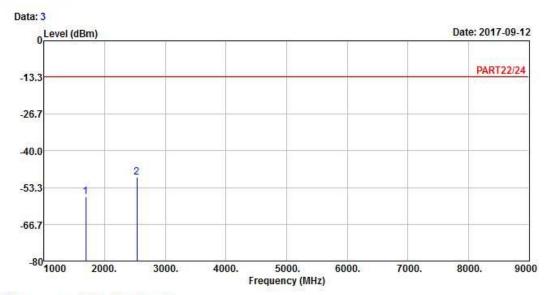
Read Limit Over Freq Level Level Line Limit Factor Remark MHz dBm dBm dBm dB dB 30.00 -37.13 -37.51 -13.00 -24.13 1 pp 0.38 Peak 2 135.03 -62.65 -53.98 -13.00 -49.65 -8.67 Peak 3 247.62 -64.47 -58.36 -13.00 -51.47 -6.11 Peak 4 412.70 -69.64 -63.80 -13.00 -56.64 -5.84 Peak 5 698.30 -63.61 -63.48 -13.00 -50.61 -0.13 Peak 6 938.40 -61.56 -63.07 -13.00 -48.56 1.51 Peak 1673.00 -59.25 -44.57 -13.00 -46.25 -14.68 Peak 7 2509.50 -52.80 -41.89 -13.00 -39.80 -10.91 Peak



High Channel



Bureau Veritas Consumer Products Services Ltd., Taoyuan Branch



Site : 966 Chamber 5

Condition: PART22/24 HORIZONTAL
Remark : LTE Band V_QPSK_10M_H-CH

Tested by: Getaz Yang

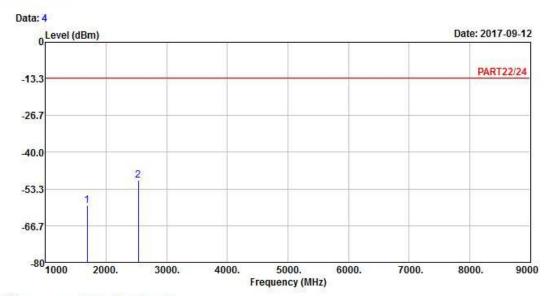
Read Limit Over Freq Level Level Line Limit Factor Remark

MHz dBm dBm dB dB

1 1688.00 -56.61 -42.01 -13.00 -43.61 -14.60 Peak 2 pp 2532.00 -49.59 -38.75 -13.00 -36.59 -10.84 Peak







Site : 966 Chamber 5 Condition: PART22/24 VERTICAL

Remark : LTE Band V_QPSK_10M_H-CH

Tested by: Getaz Yang

Read Limit Over
Freq Level Level Line Limit Factor Remark

MHz dBm dBm dBm dB dB

1 1688.00 -59.46 -44.86 -13.00 -46.46 -14.60 Peak 2 pp 2532.00 -50.21 -39.37 -13.00 -37.21 -10.84 Peak



5 Pictures of Test Arrangements	
Please refer to the attached file (Test Setup Photo).	



Appendix - Information on 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 accredited and approved 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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