

FCC PART 22H, PART 24E
MEASUREMENT AND TEST REPORT

For

Dynamics Hong Kong Limited

Room F, 16/F, Block1, Golden Dragon Industrial Center, 152-160 Tai Lin Pai Road, Kwai Chung, N.T.

FCC ID: C89MASH

Report Type: Original Report	Product Type: Mobile Phone
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Report Number:	RDG150326001-00C
Report Date:	2015-04-10
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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

The *Dynamics Hong Kong Limited*'s product, model number: *MASH (FCC ID: C89MASH)* (the "EUT") in this report was a *Mobile Phone*, which was measured approximately: 11 cm (L) x 6.3 cm (W) x 1.3 cm (H), rated input voltage: DC 3.7V rechargeable Li-ion battery or DC5V charging from adapter.

Adapter information:

Model: RING MASH

Input: AC100-240V, 50-60Hz, 150mA

Output: DC5V, 500mA

Note: The series product, model MASH, RING MASH are electrically identical, the difference between them is just the model name, we selected MASH for fully testing, the details was explained in the attached declaration letter.

All measurement and test data in this report was gathered from production sample serial number: 150326001 (Assigned by BACL, Dongguan). The EUT was received on 2015-03-27.

Objective

This report is prepared on behalf of *Dynamics Hong Kong Limited* in accordance with Part 2-Subpart J, Part 22-Subpart H, and Part 24-Subpart E of the Federal Communications Commission's rules.

The objective is to determine compliance with FCC rules for output power, modulation characteristic, occupied bandwidth, spurious emissions at antenna terminal, spurious radiated emission, frequency stability and band edge.

Related Submittal(s)/Grant(s)

FCC Part 15B JBP submissions with FCC ID: C89MASH

FCC Part 15.247 DSS submissions with FCC ID: C89MASH

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2, Sub-part J as well as the following parts:

Part 22 Subpart H - Public Mobile Services

Part 24 Subpart E - Personal Communication Services

Applicable Standards: TIA/EIA 603-D-2010, ANSI C63.4-2009.

All radiated and conducted emissions measurements were performed at Bay Area Compliance Laboratories Corp.(Dongguan).

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industrial Zone, Tangxia, Dongguan, Guangdong, China

Test site at Bay Area Compliance Laboratories Corp. (Dongguan) has been fully described in reports submitted to the Federal Communications Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 06, 2015. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2009.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 273710. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

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SYSTEM TEST CONFIGURATION

Justification

The EUT was configured for testing according to TIA/EIA-603-D-2010.

The test items were performed with the EUT operating at testing mode.

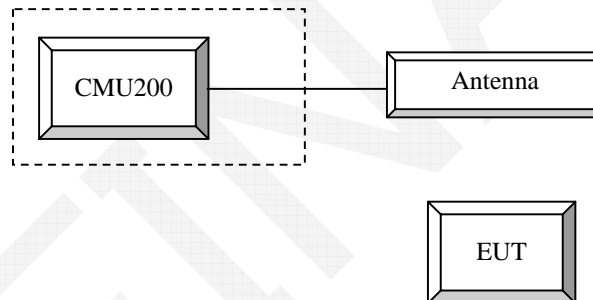
Equipment Modifications

No modification was made to the EUT.

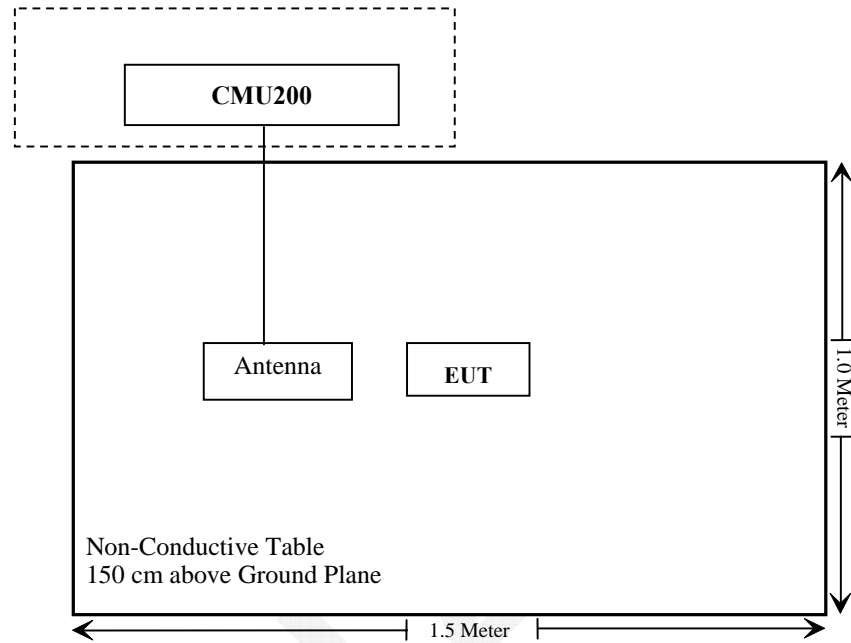
Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
R&S	Universal Radio Communication Tester	CMU200	109038
N/A	ANTENNA	N/A	N/A

Configuration of Test Setup



Block Diagram of Test Setup



SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§1.1310, §2.1093	RF Exposure	Compliance
§2.1046; § 22.913 (a); § 24.232 (c)	RF Output Power	Compliance
§ 2.1047	Modulation Characteristics	Not Applicable
§ 2.1049; § 22.905 § 22.917; § 24.238	Occupied Bandwidth	Compliance
§ 2.1051, § 22.917 (a); § 24.238 (a)	Spurious Emissions at Antenna Terminal	Compliance
§ 2.1053 § 22.917 (a); § 24.238 (a)	Field Strength of Spurious Radiation	Compliance
§ 22.917 (a); § 24.238 (a)	Out of band emission, Band Edge	Compliance
§ 2.1055 § 22.355; § 24.235	Frequency stability vs. temperature Frequency stability vs. voltage	Compliance

FCC §1.1310 & §2.1093- RF EXPOSURE

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliant, please refer to the SAR report: RDG150326001-20.

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FCC §2.1047 - MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H & 24E there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

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FCC § 2.1046, § 22.913 (a) & § 24.232 (c) - RF OUTPUT POWER**Applicable Standard**

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC §2.1046 and §24.232 (C), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications..

Test Procedure**GSM**

Function: Menu select > GSM Mobile Station > GSM 850/1900
Press Connection control to choose the different menus
Press RESET > choose all the reset all settings
Connection Press Signal Off to turn off the signal and change settings
Network Support > GSM + only
MS Signal
 > 33 dBm for GSM 850
 > 30 dBm for GSM 1900
BS Signal Enter the same channel number for TCH channel (test channel) and BCCH channel
Frequency Offset > + 0 Hz
Mode > BCCH and TCH
BCCH Level > -85 dBm (May need to adjust if link is not stable)
BCCH Channel > choose desire test channel [Enter the same channel number for TCH channel (test channel) and BCCH channel]
Channel Type > Off
P0 > 4 dB
TCH > choose desired test channel
Hopping > Off
AF/RF Enter appropriate offsets for Ext. Att. Output and Ext. Att. Input
Connection Press Signal on to turn on the signal and change settings

GPRS

Function: Menu select > GSM Mobile Station > GSM 850/1900
Press Connection control to choose the different menus
Press RESET > choose all the reset all settings
Connection Press Signal Off to turn off the signal and change settings
Network Support > GSM + GPRS or GSM + EGSM
Main Service > Packet Data
Service selection > Test Mode A – Auto Slot Config. off
MS Signal Press Slot Config Bottom on the right twice to select and change the number of time slots and power setting
 > Slot configuration > Uplink/Gamma
 > 33 dBm for GPRS 850
 > 30 dBm for GPRS 1900
BS Signal Enter the same channel number for TCH channel (test channel) and BCCH channel
Frequency Offset > + 0 Hz
Mode > BCCH and TCH
BCCH Level > -85 dBm (May need to adjust if link is not stable)
BCCH Channel > choose desire test channel [Enter the same channel number for TCH channel (test channel) and BCCH channel]

Channel Type > Off
 P0 > 4 dB
 Slot Config > Unchanged (if already set under MS signal)
 TCH > choose desired test channel
 Hopping > Off
 Main Timeslot > 3
 Network Coding Scheme > CS4 (GPRS)
 Bit Stream > 2E9-1 PSR Bit Stream
 AF/RF Enter appropriate offsets for Ext. Att. Output and Ext. Att. Input
 Connection Press Signal on to turn on the signal and change settings

Radiated method:

ANSI/TIA 603-D section 2.2.17

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2014-05-09	2015-05-09
Sunol Sciences	Antenna	JB3	A060611-3	2014-07-28	2017-07-27
HP	Amplifier	8447E	2434A02181	2014-09-01	2015-09-01
Agilent	Spectrum Analyzer	E4440A	SG43360054	2014-12-04	2015-12-04
ETS LINDGREN	Horn Antenna	3115	000 527 35	2012-09-06	2015-09-06
Mini-Circuit	Amplifier	ZVA-213-S+	054201245	2015-02-19	2016-02-19
Giga	Signal Generator	1026	320408	2014-05-09	2015-05-09
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
TDK RF	Horn Antenna	HRN-0118	130 084	2012-09-06	2015-09-06

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	24.2 °C
Relative Humidity:	61 %
ATM Pressure:	100.9 kPa

The testing was performed by Lion Xiao on 2015-03-29.

Conducted Power**Cellular Band (Part 22H) & PCS Band (Part 24E)**

Band	Channel No.	Peak Output Power (dBm)				
		GSM	GPRS 1 TX Slot	GPRS 2 TX Slot	GPRS 3 TX Slot	GPRS 4 TX Slot
Cellular	128	32.10	32.08	30.15	28.24	26.23
	190	32.60	32.51	30.59	28.69	26.67
	251	32.80	32.67	30.82	28.71	26.89
PCS	512	29.34	29.22	27.14	25.05	23.07
	661	29.17	29.05	27.01	24.97	23.01
	810	29.49	29.36	27.21	25.19	23.22

ERP & EIRP

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 850								
824.200	H	94.78	19.8	0.0	1.0	18.8	38.45	19.65
824.200	V	101.91	30.0	0.0	1.0	29.0	38.45	9.45
836.600	H	94.65	19.7	0.0	1.0	18.7	38.45	19.75
836.600	V	102.19	30.4	0.0	1.0	29.4	38.45	9.05
848.800	H	95.12	20.3	0.0	1.0	19.3	38.45	19.15
848.800	V	102.10	30.4	0.0	1.0	29.4	38.45	9.05
PCS 1900								
1850.200	H	84.97	13.1	11.4	1.4	23.1	33.01	9.91
1850.200	V	88.31	16.4	11.4	1.4	26.4	33.01	6.61
1880.000	H	83.12	11.5	11.7	1.4	21.8	33.01	11.21
1880.000	V	86.64	15.2	11.7	1.4	25.5	33.01	7.51
1909.800	H	82.13	10.8	11.8	1.4	21.2	33.01	11.81
1909.800	V	85.65	14.6	11.8	1.4	25.0	33.01	8.01

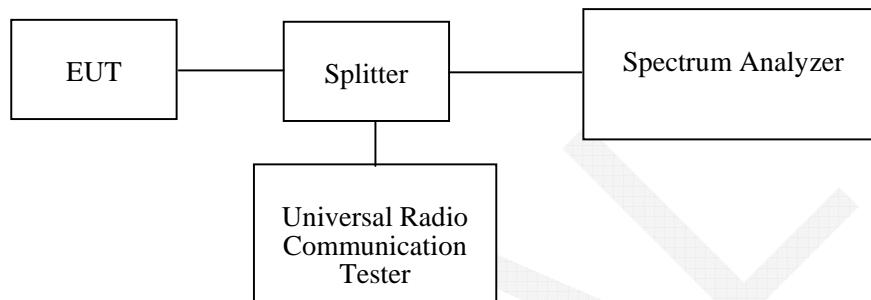
FCC §2.1049, §22.917, §22.905 & §24.238 - OCCUPIED BANDWIDTH**Applicable Standard**

FCC §2.1049, §22.917, §22.905 and §24.238.

Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The 26 dB & 99% bandwidth was recorded.

**Test Equipment List and Details**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2014-05-09	2015-05-09

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data**Environmental Conditions**

Temperature:	24.2 °C
Relative Humidity:	61 %
ATM Pressure:	100.9 kPa

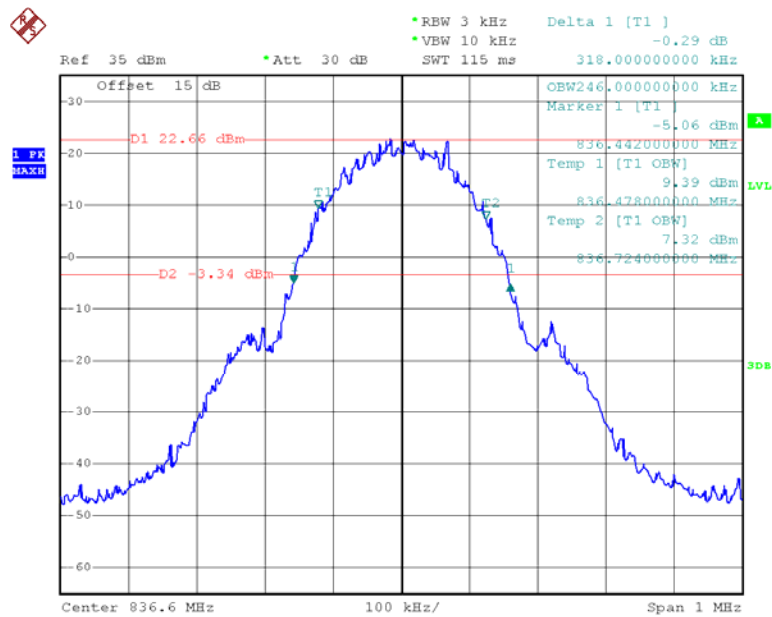
The testing was performed by Lion Xiao on 2015-03-30.

Test Mode: Transmitting

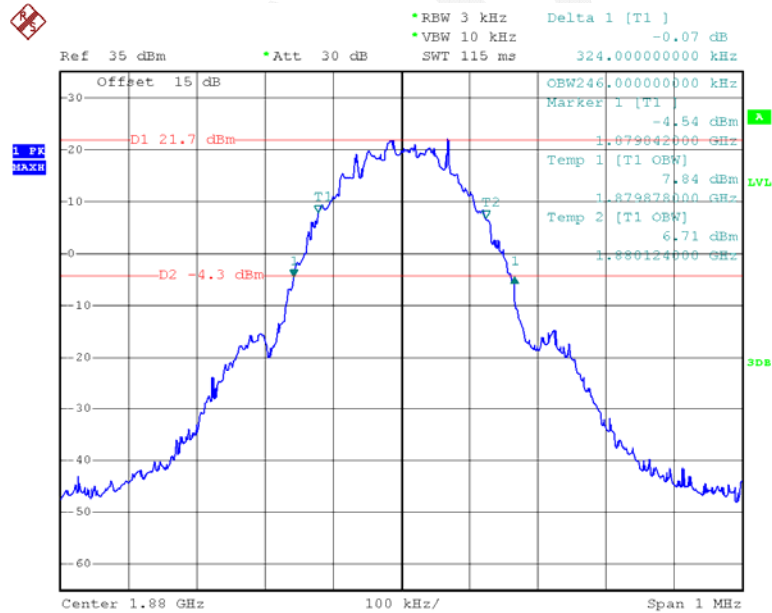
Test Result: Compliant. Please refer to the following table and plots.

Band	Channel No.	Mode	99% Occupied Bandwidth (kHz)	26 dB Occupied Bandwidth (kHz)
Cellular	190	GSM	246	318
PCS	661	GSM	246	324

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GMSK 850 Cellular Band

Date: 30.MAR.2015 07:34:22

GMSK PCS Band

Date: 30.MAR.2015 07:19:25

FCC §2.1051, §22.917(a) & §24.238(a) - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

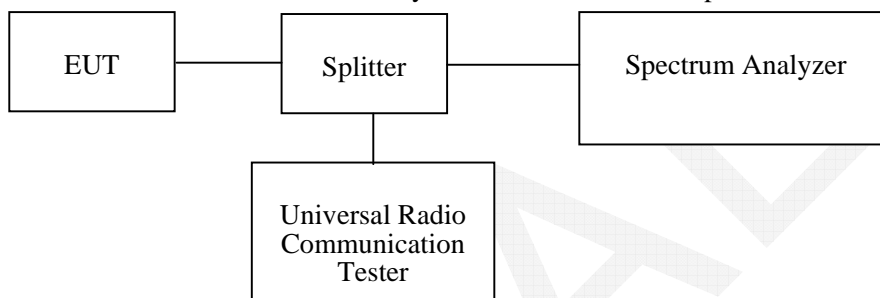
Applicable Standard

FCC §2.1051, §22.917(a) and §24.238(a).

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2014-05-09	2015-05-09

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data

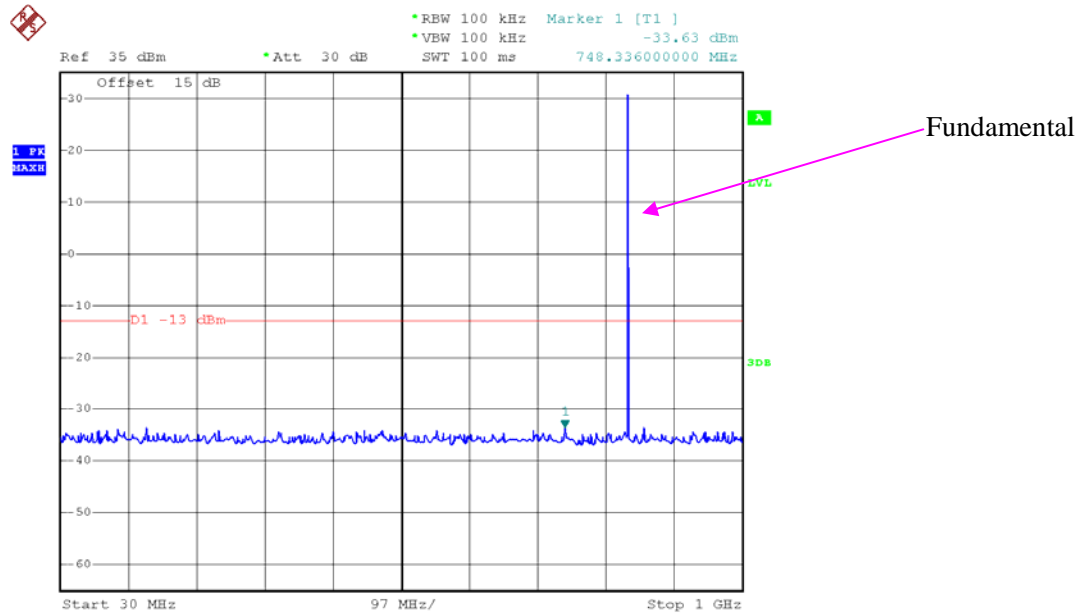
Environmental Conditions

Temperature:	24.2 °C
Relative Humidity:	61 %
ATM Pressure:	100.9 kPa

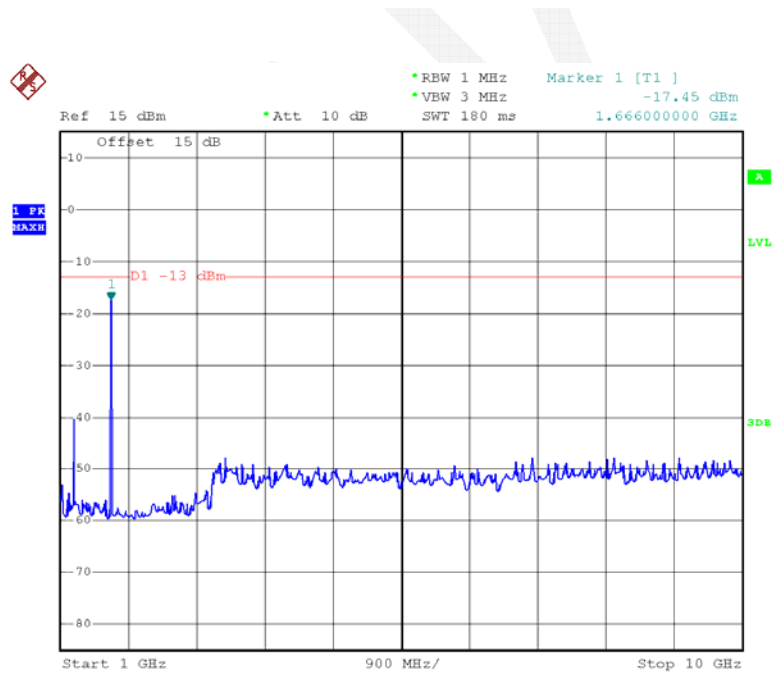
The testing was performed by Lion Xiao on 2015-03-30.

Please refer to the following plots.

GSM850_High Channel

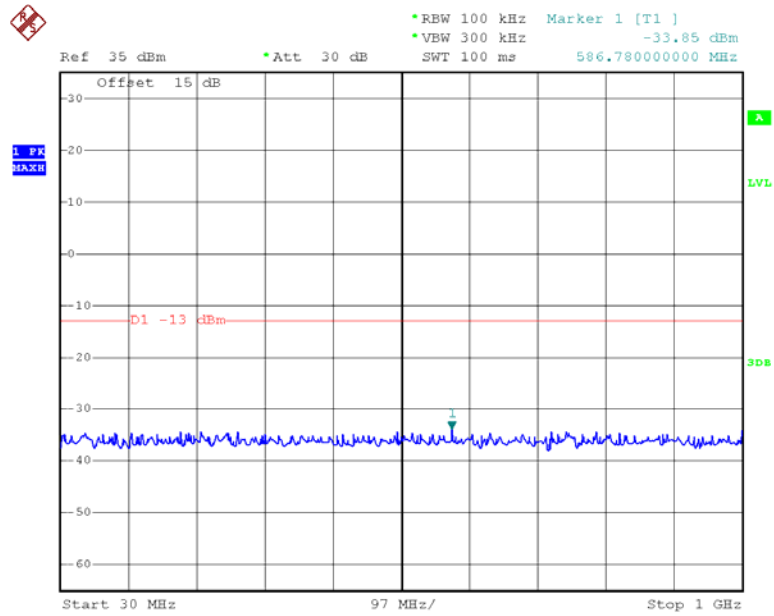


Date: 30.MAR.2015 07:30:08

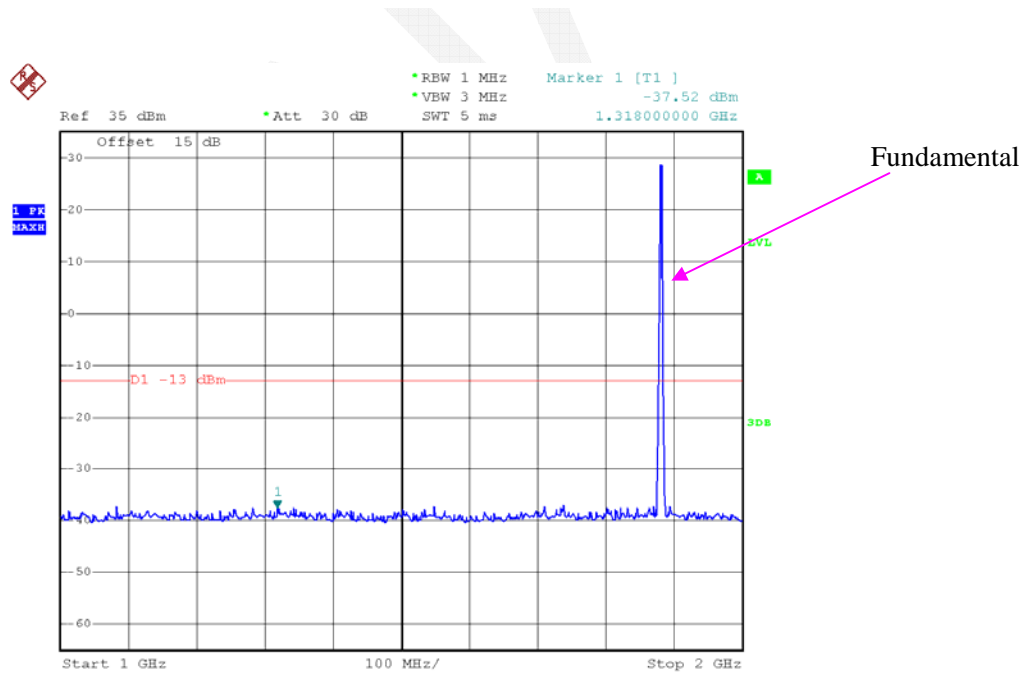


Date: 30.MAR.2015 07:31:06

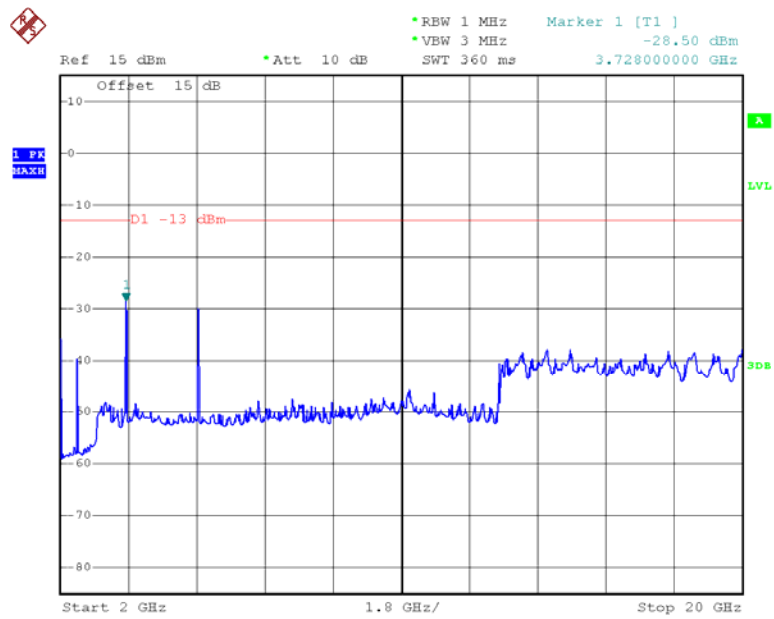
PCS 1900_High Channel



Date: 30.MAR.2015 07:20:24



Date: 30.MAR.2015 07:20:54



Date: 30.MAR.2015 07:22:17

FCC §2.1053, §22.917 & §24.238 - SPURIOUS RADIATED EMISSIONS

Applicable Standard

FCC § 2.1053, §22.917 and § 24.238.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = $10 \lg(\text{TXpwr in Watts}/0.001)$ – the absolute level

Spurious attenuation limit in dB = $43 + 10 \log_{10}(\text{power out in Watts})$

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2014-05-09	2015-05-09
Sunol Sciences	Antenna	JB3	A060611-3	2014-11-06	2017-11-05
HP	Amplifier	8447E	2434A02181	2014-09-01	2015-09-01
Agilent	Spectrum Analyzer	E4440A	SG43360054	2014-12-04	2015-12-04
ETS-Lindgren	Horn Antenna	3115	000 527 35	2012-09-06	2015-09-06
Mini-Circuit	Amplifier	ZVA-213-S+	054201245	2015-02-19	2016-02-19
Giga	Signal Generator	1026	320408	2014-05-09	2015-05-09
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
TDK RF	Horn Antenna	HRN-0118	130 084	2012-09-06	2015-09-06

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data**Environmental Conditions**

Temperature:	23.5 °C
Relative Humidity:	54 %
ATM Pressure:	100.7 kPa

The testing was performed by Lion Xiao on 2015-03-30.

EUT Operation Mode: Transmitting

Cellular Band

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
Frequency:824.200 MHz								
1648.400	H	64.15	-37	10.5	1.5	-28.0	-13.0	15.0
1648.400	V	68.44	-33.1	10.5	1.5	-24.1	-13.0	11.1
2472.600	H	50.28	-47.8	12.9	2.6	-37.5	-13.0	24.5
2472.600	V	56.34	-40.4	12.9	2.6	-30.1	-13.0	17.1
Frequency:836.600 MHz								
1673.200	H	62.34	-38.7	10.6	1.5	-29.6	-13.0	16.6
1673.200	V	69.38	-32	10.6	1.5	-22.9	-13.0	9.9
2509.800	H	51.72	-46.3	13.1	2.8	-36.0	-13.0	23.0
2509.800	V	57.69	-39.4	13.1	2.8	-29.1	-13.0	16.1
Frequency:848.800 MHz								
1697.600	H	63.88	-37.2	10.8	1.5	-27.9	-13.0	14.9
1697.600	V	67.33	-33.8	10.8	1.5	-24.5	-13.0	11.5
2546.400	H	52.37	-44.2	13.1	2.8	-33.9	-13.0	20.9
2546.400	V	56.22	-40.9	13.1	2.8	-30.6	-13.0	17.6

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

PCS Band

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			S.G. Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
Frequency:1850.200 MHz								
3700.400	H	56.79	-38	14.0	2.5	-26.5	-13.0	13.5
3700.400	V	59.24	-35.1	14.0	2.5	-23.6	-13.0	10.6
Frequency:1880.000 MHz								
3760.000	H	55.33	-39	13.8	2.9	-28.1	-13.0	15.1
3760.000	V	58.98	-34.1	13.8	2.9	-23.2	-13.0	10.2
Frequency:1909.800 MHz								
3819.600	H	56.28	-37.5	13.6	3.3	-27.2	-13.0	14.2
3819.600	V	59.70	-32.5	13.6	3.3	-22.2	-13.0	9.2

For below 1GHz, all spurious emissions are 20dB below the limit or are on the system noise floor level.

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = SG Level - Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

FCC §22.917(a) & §24.238(a) - BAND EDGES

Applicable Standard

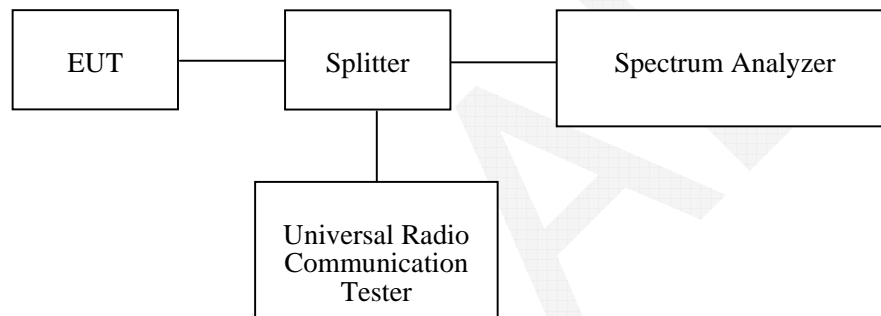
According to § 22.917(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to §24.238(a), the power of any emissions 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.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSP 38	100478	2014-05-09	2015-05-09

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

Temperature:	24.2 °C
Relative Humidity:	61 %
ATM Pressure:	100.9 kPa

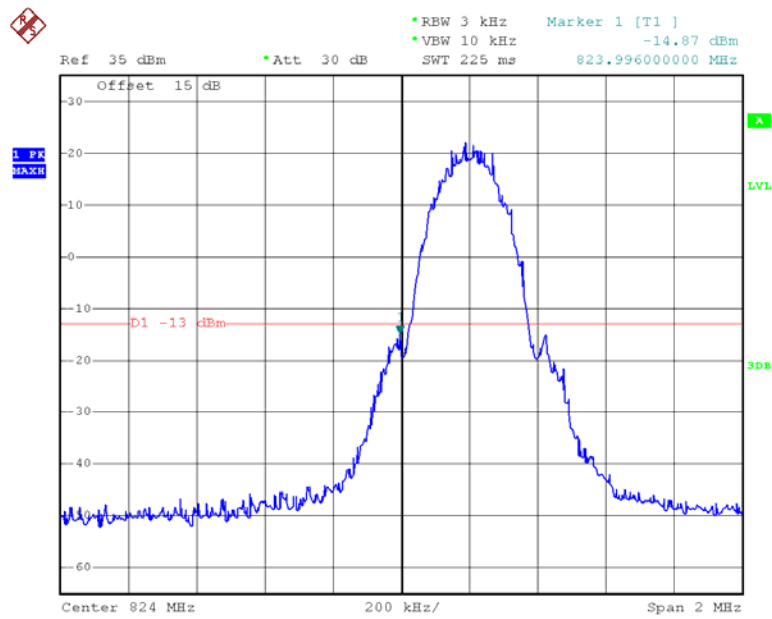
The testing was performed by Lion Xiao on 2015-03-30.

Test Mode: Transmitting

Test Result: Compliant. Please refer to the following table and plots.

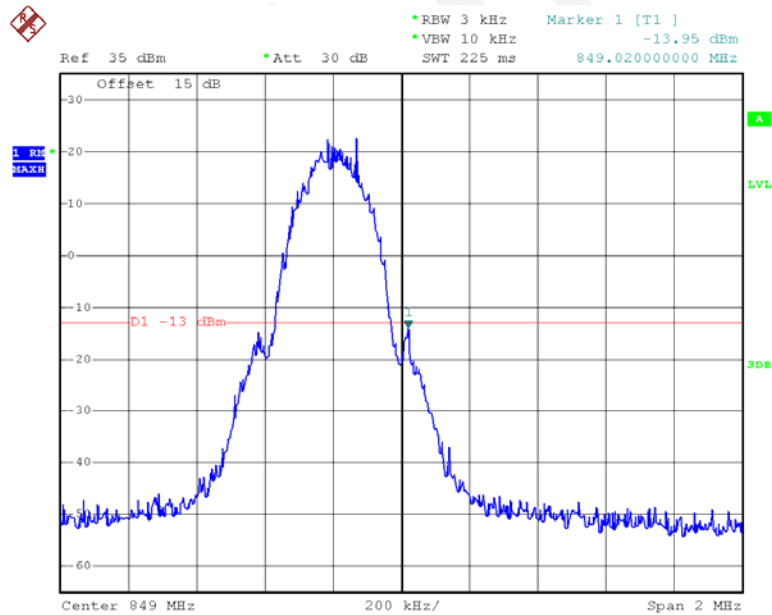
Band	Mode	Band Edge	Reading	Limit
			dBm	dBm
Cellular	GSM	Left	-14.87	≤-13
		Right	-13.95	≤-13
PCS	GSM	Left	-16.59	≤-13
		Right	-20.28	≤-13

GSM 850, Left Band Edge



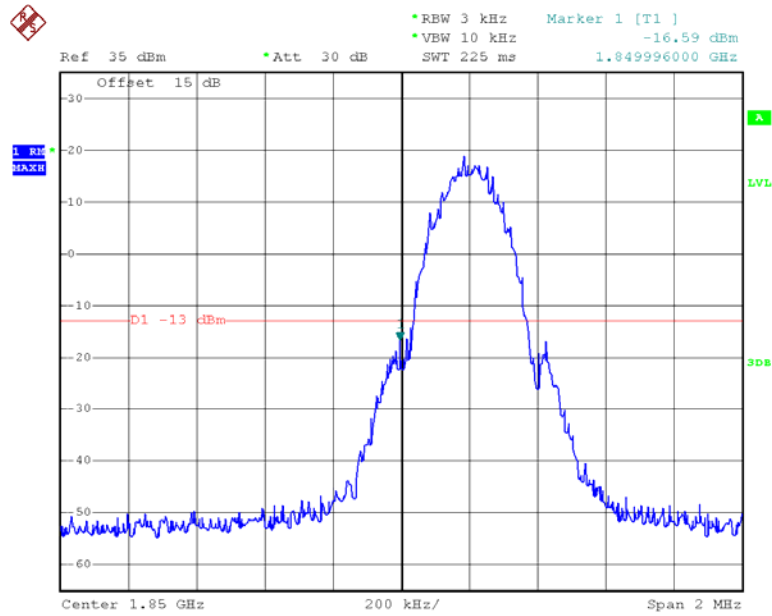
Date: 30.MAR.2015 07:38:16

GSM 850, Right Band Edge



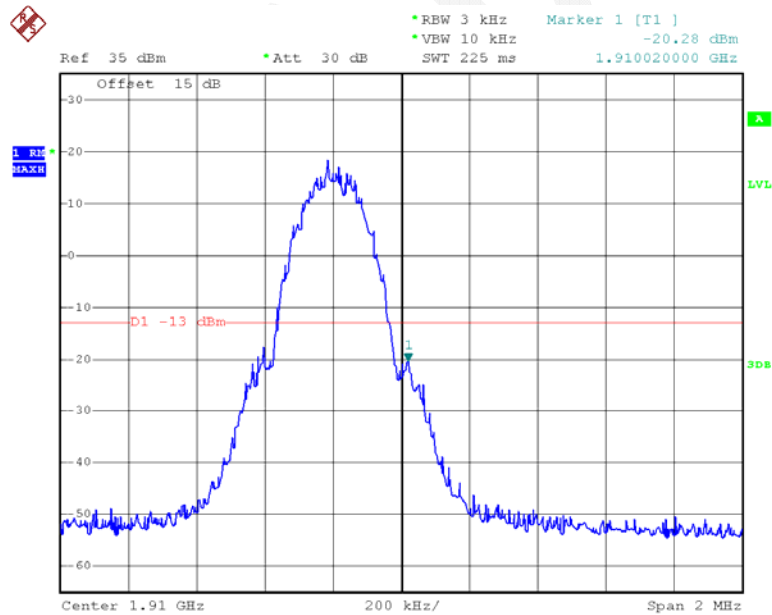
Date: 30.MAR.2015 07:28:14

GSM 1900, Left Band Edge



Date: 30.MAR.2015 07:24:43

GSM 1900, Right Band Edge



Date: 30.MAR.2015 07:26:07

FCC §2.1055, §22.355 & §24.235 - FREQUENCY STABILITY

Applicable Standard

FCC § 2.1055 (a), § 2.1055 (d), §22.355, §24.235

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency Range (MHz)	Base, fixed (ppm)	Mobile ≤ 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

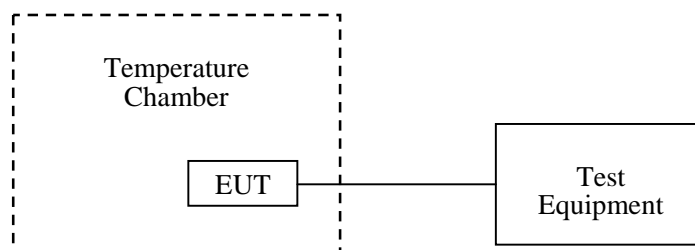
According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: An external variable DC power supply was connected to the battery terminals of the equipment under test. The voltage was set from 85% to 115% of the nominal value and was then decreased until the transmitter light no longer illuminated; i.e., the battery end point. The output frequency was recorded for each battery voltage.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Dongzhixu	High Temperature Test Chamber	DP1000	201105083-4	2014-08-11	2015-08-11
R&S	Universal Radio Communication Tester	CMU200	109 038	2014-05-09	2015-05-09

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data**Environmental Conditions**

Temperature:	24.2 °C
Relative Humidity:	61 %
ATM Pressure:	100.9 kPa

The testing was performed by Lion Xiao on 2015-03-30.

Cellular Band (Part 22H)

GMSK, Middle Channel, $f_c = 836.6$ MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Limit
°C	V _{DC}	Hz	ppm	ppm
-30	3.7	-9	-0.011	2.5
-20	3.7	-7	-0.008	2.5
-10	3.7	-11	-0.013	2.5
0	3.7	-10	-0.012	2.5
10	3.7	-8	-0.010	2.5
20	3.7	-6	-0.007	2.5
30	3.7	-13	-0.016	2.5
40	3.7	-7	-0.008	2.5
50	3.7	-14	-0.017	2.5
25	3.5	-10	-0.012	2.5
25	4.2	-9	-0.011	2.5

PCS Band (Part 24E)

GMSK, Middle Channel, $f_c = 1880.0$ MHz				
Temperature	Voltage	Frequency Error	Frequency Error	Result
°C	V _{DC}	Hz	ppm	
-30	3.7	-19	-0.010	Pass
-20	3.7	-17	-0.009	Pass
-10	3.7	-22	-0.012	Pass
0	3.7	-20	-0.011	Pass
10	3.7	-15	-0.008	Pass
20	3.7	-18	-0.010	Pass
30	3.7	-21	-0.011	Pass
40	3.7	-16	-0.009	Pass
50	3.7	-23	-0.012	Pass
25	3.5	-17	-0.009	Pass
25	4.2	-20	-0.011	Pass

DECLARATION LETTER**Dynamics Hong Kong Limited****Declaration of Alteration**

To Whom It May Concern,

We, Dynamics Hong Kong Limited hereby declare that there are some differences between our Multiple Models and testing model. Details as below:

Products	Name	Mobile Phone	
Description	Project No.	RDG150326001, RDG150326001-20	
Differences Description			
Testing model	Multiple Models	Differences Items	Details
MASH	RING MASH	Model name	The multiple model just have different model name from the testing model

Notes: Testing model-the product's model tested by BACL

Multiple Model- have the same or similar appearance, structure, PCB, Material and function to the testing product's model, and only are different for model name.

Besides the differences in the table above, we declare the products are identical

We guarantee all the information provided above is true, and notice that we'll bear all the consequences caused by any false information or concealing.

Best Regards,



Signature

Print Name: Rajendra Kumar Thapa

Title: Director

Add: Room F, 16/F, Block1, Golden Dragon Industrial Center, 152-160 Tai Lin Pai Road, Kwai Chung, N.T.
Tel. 00852-23111980 and Fax. 00852-23111979

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***** END OF REPORT *****