



TEST REPORT

No. I20D00149-SRD04

For

Client: Asiatelco Technologies Co.

Production: Home Phone Connect

**Model Name: V810T/V810TD/V810V/
V810VD/V810A/V810AD**

Brand Name: ATEL

FCC ID: XYO-V810

Hardware Version: V1.0

Software Version: QC25_V8100_1.0.4.802

Issued date: 2020-12-17

NOTE

1. The test results in this test report relate only to the devices specified in this report.
2. This report shall not be reproduced except in full without the written approval of China Telecommunication Technology Labs.
3. For the test results, the uncertainty of measurement is not taken into account when judging the compliance with specification, and the results of measurement or the average value of measurement results are taken as the criterion of the compliance with specification directly.

Test Laboratory:

East China Institute of Telecommunications

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Revision Version

Report Number	Revision	Date	Memo
I20D00149-SRD04	00	2020-12-02	Initial creation of test report
I20D00149-SRD04	01	2020-12-17	First modification of test report

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1. Test Laboratory

1.1. Testing Location

Company Name	ECIT Shanghai,East China Institute of Telecommunications
Address	Block No.4, No.766, Jingang Road, Pudong District, Shanghai, P. R. China
Postal Code	201206
Telephone	+86 21 63843300
FCC registration No	CN1177

1.2. Testing Environment

Normal Temperature	15°C-35°C
Relative Humidity	20%-75%

Project Data

Project Leader	Chen Minfei
Testing Start Date	2020-10-21
Testing End Date	2020-10-28

1.3. Signature



Liu Yan
(Prepared this test report)



Fan Songyan
(Reviewed this test report)



Zheng Zhongbin
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name	Asiatelco Technologies Co.
Address	#289 Bisheng Road, Building-8, 3F, Zhang jiang Hi-Tech Park, Pudong, Shanghai 201204, China
Telephone	/
Postcode	/

2.2. Manufacturer Information

Company Name	Asiatelco Technologies Co.
Address	#289 Bisheng Road, Building-8, 3F, Zhang jiang Hi-Tech Park, Pudong, Shanghai 201204, China
Telephone	/
Postcode	/

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

Production	Home Phone Connect
Model name	V810T/V810TD/V810V/V810VD/ V810A/ V810AD
UMTS Frequency Band	II/IV/V
Type of modulation	BPSK/QPSK/16QAM
Extreme Temperature	-20/+60°C
Nominal Voltage	4.75V
Extreme High Voltage	5.00 V
Extreme Low Voltage	5.25V

Note:

- Photographs of EUT are shown in ANNEX A of this test report.
- The value of the antenna gain is provided by the customer. For specific antenna information, please check the antenna specifications of the customer.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N01	/	V1.0	QC25_V8100_1.0.4.802	2020-10-21
N05	/	V1.0	QC25_V8100_1.0.4.802	2020-10-21

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID*	Description	Type	Manufacturer
AE1	RF cable	/	AE1

*AE ID: is used to identify the test sample in the lab internally.

4. Reference Documents

4.1. Documents supplied by applicant

All technical documents are supplied by the client or manufacturer, which is the basis of testing.

4.2. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 2	FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS	2018-10-01
FCC Part 22	PUBLIC MOBILE SERVICES	2018-10-01
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	2018-10-01
FCC Part 27	MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES	2018-10-01
ANSI-TIA-603-E	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	2016
ANSI C63.26	American National Standard of Procedures for Compliance Testing of Licensed Transmitters Used in Licensed Radio	2015
KDB 971168 D01	Measurement Guidance for Certification of Licensed Digital Transmitters	v03r01

5. Test Results

5.1. Summary of Test Results

Measurement Items	Sub-clause	Verdict
Output Power	2.1046/22.913(a)/24.232(c)/27.50	P
Peak-to-Average Ratio	24.232(d)/27.50(d)	P
99%Occupied Bandwidth	2.1049(h)(i)/ 22.917(b)	P
-26dB Emission Bandwidth	22.917(b)/§24.238(b)	P
Band Edge at antenna terminals	22.917(a)/24.238(a)/27.53	P
Frequency stability	2.1055/24.235/27.54	P
Conducted Spurious mission	2.1053/22.917(a)/24.238(a)/27.53	P
Emission Limit	2.1051/22.917/24.238/22.913/24.232/ 27.50	P

Note: please refer to Annex A in this test report for the detailed test results.

The following terms are used in the above table.

P	Pass, the EUT complies with the essential requirements in the standard.
NP	Not Perform, the test was not performed by ECIT.
NA	Not Applicable, the test was not applicable.
F	Fail, the EUT does not comply with the essential requirements in the standard.

5.2. Statements

The V810T/V810TD/V810V/V810VD/ V810A/ V810AD is a parent model for testing.
ECIT only performed test cases which identified with P/NP/NA/F results in Annex A.

In this report, we only retest output power and the radiation emission. And the rest test results please refer to report No: R1806A0301-R1V1 EC25-AF MINIPCIE FCC Part22; R1806A0301-R2V1 EC25-AF MINIPCIE FCC Part24; R1806A0301-R3V1 EC25-AF MINIPCIE FCC Part27, which was prepared by East China Institute of Telecommunications.

ECIT has verified that the compliance of the tested device specified in section 3 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 4 of this test report.

Note: The FCC ID reported by the reference module is XMR201808EC25AF.

6. Test Equipments Utilized

6.1. Conducted Test System

Item	Instrument Name	Type	SN	Manufacturer	Cal. Date	Cal. interval
1	Vector Signal Analyzer	FSQ40	200063	R&S	2020-05-10	1 year
2	DC Power Supply	ZUP60-14	LOC-220Z006-0007	TDL-Lambda	2020-05-10	1 year
3	Universal Radio Communication Tester	CMW500	104178	R&S	2020-05-10	1 year

6.2. Radiated Emission Test System

The test equipment and ancillaries used are as follows.

Item	Instrument Name	Type	SN	Manufacturer	Cal. Date	Cal. interval
1	Universal Radio Communication Tester	CMU200	123123	R&S	2020-05-10	1 year
2	EMI Test Receiver	ESU40	100307	R&S	2020-05-10	1 year
3	TRILOG Antenna	VULB9163	VULB9163-515	Schwarzbeck	2020-02-28	2 years
4	Double- ridged guide Antenna	ETS-3117	00135890	ETS	2020-02-28	2 years
5	2-Line V-Network	ENV216	101380	R&S	2020-05-10	1 year
6	RF Signal Generator	SMF100A	102314	R&S	2020-05-10	1 year
7	Amplifier	SCU08	10146	R&S	2020-05-10	1 year

Climate chamber

No.	Equipment	Model	Serial Number	Manufacturer	Cal. Date	Cal. interval
1	Climate chamber	UT333 BT	C191995461	UNI-T	2020-05-10	1 year

software

Name	Version
Eagle CE WLAN auto test system	V3.0
EMC32	V9.15

Anechoic chamber

Fully anechoic chamber by ETS

7. Measurement Uncertainty

Measurement uncertainty for all the testing in this report are within the limit specified in ECIT documents. The detailed measurement uncertainty is defined in ECIT documents.

Measurement Items	Range	Confidence Level	Calculated Uncertainty
Maximum Peak Output Power	30MHz-3600MHz	95%	$\pm 0.544\text{dB}$
EBW and VBW	30MHz-3600MHz	95%	$\pm 62.04\text{Hz}$
Transmitter Spurious Emission-Conducted	30MHz-2GHz	95%	$\pm 0.90\text{dB}$
Transmitter Spurious Emission-Conducted	2GHz-3.6GHz	95%	$\pm 0.88\text{dB}$
Transmitter Spurious Emission-Conducted	3.6GHz-8GHz	95%	$\pm 0.96\text{dB}$
Transmitter Spurious Emission-Conducted	8GHz-20GHz	95%	$\pm 0.94\text{dB}$
Transmitter Spurious Emission-Radiated	9KHz-30MHz	95%	$\pm 5.66\text{dB}$
Transmitter Spurious Emission-Radiated	30MHz-1000MHz	95%	$\pm 4.98\text{dB}$
Transmitter Spurious Emission-Radiated	1000MHz -18000MHz	95%	$\pm 5.06\text{dB}$
Transmitter Spurious Emission-Radiated	18000MHz -40000MHz	95%	$\pm 5.20\text{dB}$
Frequency stability	1MHz-16GHz	95%	$\pm 62.04\text{Hz}$

8. Test Environment

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Ground system resistance	< 0.5 Ω

Control room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 25 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω

Fully-anechoic chamber1 (6.9 meters×10.9 meters×5.4 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 25 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
VSWR	Between 0 and 6 dB, from 1GHz to 18GHz
Site Attenuation Deviation	Between -4 and 4 dB, 30MHz to 1GHz
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

ANNEX A. Detailed Test Results

ANNEX A.1. OUTPUT POWER

A.1.1. Summary

During the process of testing, the EUT was controlled Rhode & Schwarz Digital Radio. Communication tester (CMU-200) to ensure max power transmission and proper modulation. This result contains peak output power and EIRP measurements for the EUT. In all cases, output power is within the specified limits.

A.1.2. Conducted

A.1.2.1. Method of Measurements

Method of measurements please refer to KDB971168 D01 v03 clause 5. The EUT was set up for the max output power with pseudo random data modulation. The power was measured with Rhode & Schwarz Spectrum Analyzer FSQ(peak). These measurements were done at 3 frequencies, 1852.4 MHz, 1880.0MHz and 1907.6MHz for WCDMA Band II; 1732.6 MHz, 1712.4MHz and 1752.6MHz for WCDMA Band IV; 826.4MHz, 836.6MHz and 846.6MHz for WCDMA Band V. (bottom, middle and top of operational frequency range).

A.1.2.2 Test procedures:

1. The transmitter output port was connected to base station.
2. Set the EUT at maximum power through base station.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure the maximum burst average power for GSM and maximum average power for other modulation signal.

A.1.2.3. Limit

22.913(a) Mobile stations are limited to 7watts.

24.232(c) Mobile and portable stations are limited to 2 watts.

A.1.2.4 Test Procedure:

The transmitter output power was connected to calibrated attenuator, the other end of which was connected to signal analyzer. Transmitter output power was read off the power in dBm. The power outputs at the transmitter antenna port was determined by adding the value of attenuator to the signal analyzer reading.

A.1.2.5 WCDMA Test Condition:

RBW	VBW	Sweep time	Span
10MHz	30MHz	Auto	50MHz

A.1.2.6 Measurement results:

WCDMA II		
Channel/Fre(MHz)	Peak power (dBm)	AV power (dBm)
Low 9663/1852.6	22.84	22.73
Mid 9800 /1880	22.57	22.51
High 9937/1907.4	22.76	22.70
WCDMA BAND IV		
Channel/Fre(MHz)	Peak power (dBm)	AV power (dBm)
Low 1312/1712.4	22.31	22.29
Mid 1413 /1732.6	21.59	22.46
High 1513/1752.6	22.40	22.37
WCDMA BAND V		
Channel/Fre(MHz)	Peak power (dBm)	AV power (dBm)
Low 4358/826.6	23.12	23.07
Mid 4400/835	22.99	22.97
High 4457/846.4	23.16	23.15

Conclusion: PASS

ANNEX A.2. RADIATED

A.8.1. EIRP

A.8.1.1. WCDMA EIRP

A.8.1.1.1. Description

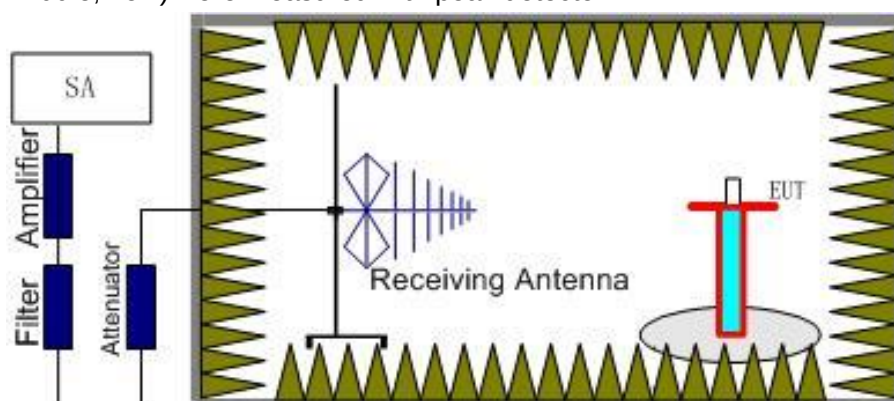
This is the test for the maximum radiated power from the EUT.

Rule Part 24.232(c) specifies, "Mobile/portable stations are limited to 2 watts e.i.r.p. Peak power" and 24.232(c) specifies that "Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage. "Rule Part 22.913(a) specifies " The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts."

A.8.1.1.2. Method of Measurement

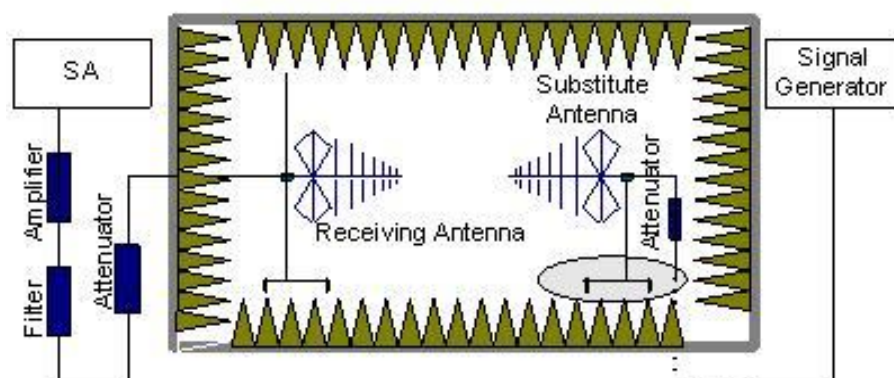
The measurements procedures in TIA-603E-2016 are used.

1. EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.5m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).

3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, an substitution antenna for the frequency band of interest is placed at the

reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna.

The cable loss (P_{cl}), the Substitution Antenna Gain (G_a) and the Amplifier Gain (P_{Ag}) should be recorded after test.

The measurement results are obtained as described below:

$$\text{Power(EIRP)} = P_{Mea} + P_{Ag} - P_{cl} + G_a$$

5. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.

6. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dBi}$.

A.8.1.1.3 WCDMA Band II-EIRP Limits

	Burst Peak EIRP (dBm)
WCDMA Band II	$\leq 33\text{dBm}$ (2W)

A.8.1.1.3.1 Measurement result

Frequency(MHz)	Peak EIRP(dBm)	Polarization
1852.4	20.13	V
1880.0	19.91	H
1907.6	20.10	V

A.8.1.1.4 WCDMA Band IV-EIRP Limits

	Burst Peak EIRP (dBm)
WCDMA Band IV	$\leq 33\text{dBm}$ (2W)

A.8.1.1.4.1 Measurement result

Frequency(MHz)	Peak EIRP(dBm)	Polarization
1712.4	19.69	H
1732.6	19.86	H
1752.6	19.77	H

A.8.1.1.4 WCDMA Band V-ERP Limits

	Burst Peak ERP (dBm)
WCDMA Band V	≤38.45dBm (7W)

A.8.1.1.4.1 Measurement result

Frequency(MHz)	Peak ERP (dBm)	Polarization
826.4	19.12	H
836.6	19.02	H
846.6	19.20	H

Note: the EUT was displayed in several different direction, the worst cases were shown.

A.8.2 EMISSION LIMIT (§2.1051/§22.917§24.238§27.53)

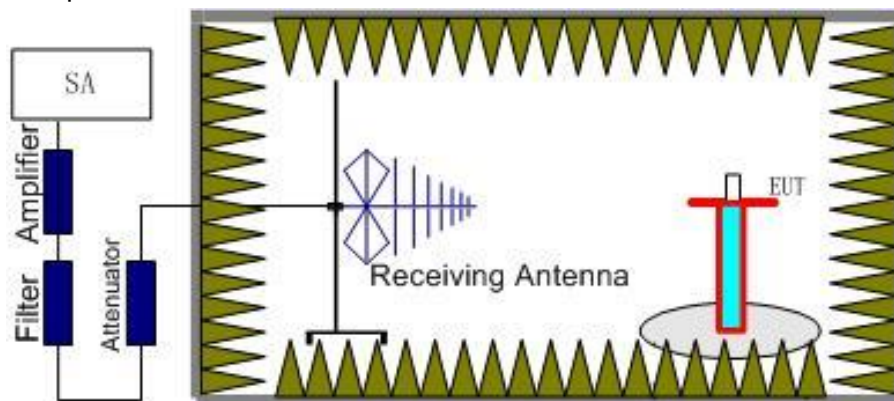
A.8.2.1 WCDMA Measurement Method

The measurement procedures in TIA-603E-2016 are used.

The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier that can be as high as 1910 MHz. The resolution bandwidth is set as outlined in Part 24.238 and Part 22.917. The spectrum is scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of PCS1900 and GSM850.

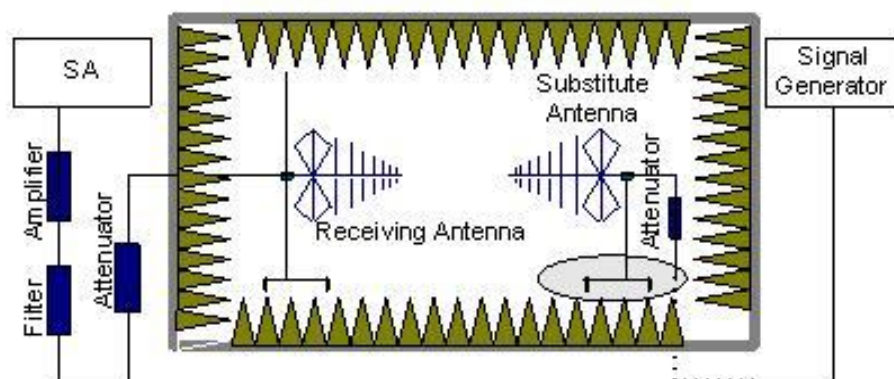
A.8.2.2 The procedure of radiated spurious emissions is as follows:

1. Below 1 GHz, EUT was placed on a 0.8 meter high non-conductive stand at a 3 meter test distance from the receive antenna. Above 1 GHz, EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. EUT was placed on a 1.5 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.5m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic were measured with peak detector.



2. The EUT is then put into continuously transmitting mode at its maximum power level during the test. And the maximum value of the receiver should be recorded as (Pr).

3. The EUT shall be replaced by a substitution antenna. The test setup refers to figure below.



In the chamber, an substitution antenna for the frequency band of interest is placed at the

reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

4. The Path loss (P_{pl}) between the Signal Source with the Substitution Antenna and the Substitution Antenna Gain (G_a) should be recorded after test.

A amplifier should be connected in for the test.

The Path loss (P_{pl}) is the summation of the cable loss.

The measurement results are obtained as described below:

$$\text{Power (EIRP)} = P_{Mea} - P_{pl} + G_a$$

5. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.

6. ERP can be calculated from EIRP by subtracting the gain of the dipole, $ERP = EIRP - 2.15\text{dBi}$

A.8.2.3 Measurement Limit

Part 24.238 and Part 22.917 specify that 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 specification that emissions shall be attenuated below the transmitter power (P) by at least $43 + 10 \log(P)$ dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

A.8.2.4 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the PCS1900 band (1850.2 MHz, 1880 MHz and 1909.8 MHz) and GSM850 band (824.2MHz, 836.6MHz, 848.8MHz) . It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the PCS1900 ,GSM850 into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this.

A.8.2.5 Measurement Results Table

Frequency	Channel	Frequency Range	Result
WCDMA Band II	Low	30MHz~20GHz	P
	Middle	30MHz~20GHz	P
	High	30MHz~20GHz	P
WCDMA Band IV	Low	30MHz~20GHz	P
	Middle	30MHz~20GHz	P
	High	30MHz~20GHz	P
WCDMA Band V	Low	30MHz~20GHz	P
	Middle	30MHz~20GHz	P
	High	30MHz~20GHz	P

WCDMA BAND II Mode Channel 9262

Final result:

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBi)	Peak EIRP (dBm)	Limit (dBm)	Polarization
3703.6	-54.13	6.6	7.7	-53.03	-13	H
5554.8	-57.51	8.2	9.5	-56.21	-13	H
7601.6	-60.18	9.7	14.6	-55.28	-13	V
9123.2	-61.86	10.5	18.3	-54.06	-13	H
11827.0	-53.29	12.5	17.6	-48.19	-13	H
16265.4	-48.3	14.9	20.9	-42.3	-13	V

WCDMA BAND II Mode Channel 9400
Final result:

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBi)	Peak EIRP (dBm)	Limit (dBm)	Polarization
3627.2	-57.75	6.6	7.7	-56.65	-13	V
5040.0	-55.48	7.8	9.0	-54.28	-13	H
7544.4	-61.21	9.7	14.6	-56.31	-13	H
9392.0	-62.78	10.7	18.6	-54.88	-13	V
11563.8	-54.99	12.2	18.1	-49.09	-13	V
14415.3	-55.17	13.9	22.7	-46.37	-13	H

WCDMA BAND II Mode Channel 9538
Final result:

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBi)	Peak EIRP (dBm)	Limit (dBm)	Polarization
3600.0	-53.73	6.5	4.7	-55.53	-13	V
4892.0	-57.33	7.7	9.0	-56.03	-13	V
5721.6	-57.31	8.5	10.5	-55.31	-13	H
8040.8	-61.01	9.9	16.6	-54.31	-13	V
9989.6	-59.2	11.2	17.6	-52.8	-13	V
11595.4	-54.36	12.2	18.1	-48.46	-13	V

WCDMA BAND IV Mode Channel 1312
Final result:

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBi)	Peak EIRP (dBm)	Limit (dBm)	Polarization
3612.4	-54.3	6.5	4.7	-56.1	-13	V
7638.8	-61.06	9.7	15.3	-55.46	-13	H
10487.6	-57.82	11.6	17.1	-52.32	-13	H
12521.4	-55.61	12.7	18.7	-49.61	-13	H
14831.1	-54.2	14.3	23.3	-45.2	-13	H
16884.9	-44.11	16.3	20.8	-39.61	-13	V

WCDMA BAND IV Mode Channel 1413
Final result:

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBi)	Peak EIRP (dBm)	Limit (dBm)	Polarization
3610.8	-54.83	6.5	4.7	-56.63	-13	H
9388.0	-61.39	10.7	18.6	-53.49	-13	H
11518.4	-55.63	12.3	18.1	-49.83	-13	V
12893.8	-55.58	13.0	20.2	-48.38	-13	H
14864.7	-54.23	14.3	23.3	-45.23	-13	H
16812.4	-45.03	15.8	20.0	-40.83	-13	H

WCDMA BAND IV Mode Channel 1513
Final result:

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBi)	Peak EIRP (dBm)	Limit (dBm)	Polarization
3503.2	-55.78	6.4	4.7	-57.48	-13	H
5055.6	-56.86	7.8	9.0	-55.66	-13	V
8178.4	-63.16	10.1	17.3	-55.96	-13	H
10244.8	-58.36	11.4	17.4	-52.36	-13	V
12666.7	-55.19	12.7	19.2	-48.69	-13	H
14813.2	-54.5	14.3	23.3	-45.5	-13	H

WCDMA BAND V Mode Channel 4132
Final result:

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBi)	Peak EIRP (dBm)	Limit (dBm)	Polarization
1650.4	-55.3	4.3	2.9	-56.7	-13	H
2607.7	-49.15	5.5	3.7	-50.95	-13	V
3601.2	-53.22	6.5	4.7	-55.02	-13	H
5056.8	-56.41	7.8	9.0	-55.21	-13	H
6485.2	-59.71	9.0	11.5	-57.21	-13	V
7595.2	-60.39	9.7	14.6	-55.49	-13	V

WCDMA BAND V Mode Channel 4183
Final result:

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBi)	Peak EIRP (dBm)	Limit (dBm)	Polarization
1675.0	-53.73	4.3	2.9	-55.13	-13	H
2646.2	-50.1	5.5	4.1	-51.5	-13	V
3612.0	-54.83	6.5	4.7	-56.63	-13	V
5045.6	-57.61	7.8	9.0	-56.41	-13	H
6341.6	-58.55	8.8	10.8	-56.55	-13	H
7631.2	-61.58	9.7	15.3	-55.98	-13	H

WCDMA BAND V Mode Channel 4233
Final result:

Frequency (MHz)	PMea (dBm)	Pcl (dBm)	Ga (dBi)	Peak EIRP (dBm)	Limit (dBm)	Polarization
1695.4	-57.25	4.4	2.9	-58.75	-13	H
2618.5	-49.4	5.5	3.7	-51.2	-13	V
3605.6	-55.16	6.5	4.7	-56.96	-13	V
5028.8	-58.12	7.8	9.0	-56.92	-13	H
6695.2	-60.03	9.1	12.3	-56.83	-13	V
8045.2	-62.2	9.9	16.6	-55.5	-13	V

Conclusion: PASS
Note: the EUT was displayed in several different direction, the worst cases were shown.

ANNEX B. Accreditation Certificate



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