Full

TEST REPORT

No. ECIT-2013-0118-RF

For

Client : eSky Wireless Inc.

Production : GSM（GPRS）/GPS quad-band GPS tracker

Model Name : ES110

FCC ID: YR8ES110

Hardware Version: ES110_MB_H103

Software Version: 130412V110ATGDGST40

Issued date: 2013-08-15

Test Laboratory:

ECIT Shanghai, East China Institute of Telecommunications

Add: 7F, G Area, No.668, Beijing East Road, Huangpu District, Shanghai, P. R. China

Tel: (+86)-021-63843300, E-Mail: welcome@ecit.org.cn.

CONTENTS

1. Test Laboratory

1.1. Testing Location

Company Name:	ECIT Shanghai, East China Institute of Telecommunications
Address:	7F, G Area,No. 668, Beijing East Road, Huangpu District, Shanghai, P. R. China
Postal Code:	200001
Telephone:	00862163843300
Fax:	00862163843301
FCC Registration NO.:	489729

1.2. Testing Environment

Normal Temperature:	15-35℃
Extreme Temperature:	-30/+50℃
Relative Humidity:	20-75%

1.3. Project data

Project Leader:	Liu jianquan
Testing Start Date:	07,03,2013
Testing End Date:	08,16,2013

1.4. Signature

Wang daming
(Testing Engineer)

Yu Naiping
(Reviewed this test report)

Zheng Zhongbin
Director of the laboratory
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name:	eSky Wireless Inc.
Address /Post:	22-303,328 Xinghu Street,Suzhou,China
Country:	China

2.2. Manufacturer Information

Company Name:	eSky Wireless Inc.
Address /Post:	22-303,328 Xinghu Street,Suzhou,China
Country:	China

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

3.1. About EUT

EUT Description	GSM（GPRS）/GPS quad-band GPS tracker
Model name	ES110
FCC ID	YR8ES110
Frequency	GSM850/900/1800/1900
Extreme Temperature	-30/+50℃
Nominal Voltage	12V
Extreme High Voltage	36V
Extreme Low Voltage	6V

Note: Photographs of EUT are shown in ANNEX A of this test report.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N05	865439000273920	ES110_MB_H103	130412V110ATGDGST40	2013-07-03

*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	SN
AE1	RF cable	---
AE2	Dummy Battery	---

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

3.4. Statements

The product ES110 , supporting GSM/GPS, manufactured by eSky Wireless Inc. is a new product for testing.

ECIT has verified that the compliance of the tested device specified in section 5 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 5 of this test report.

4. Reference Documents

4.1. Reference Documents for testing

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

Reference	Title	Version
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	V 10.1.09
FCC Part 22	PUBLIC MOBILE SERVICES	V 10.1.09
ANSI-TIA-603-C	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	2004
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2003
KDB971168	Procedures for Compliance Measurement of the Fundamental Emission Power of Licensed Wideband (> 1 MHz) Digital Transmission Systems	2010

5. SUMMARY OF TEST RESULTS

Item	Test items	FCC rules	result
1	Output Power	22.913(a)/24.232(c)	Pass
2	Emission Limit	2.1051/22.917/24.238	Pass
3	Conducted Emission	15.107/15.207	Pass
4	99%Occupied Bandwidth	2.1049(h)(i)	Pass
5	-26dB Emission Bandwidth	22.917(b)/§24.238(b)	Pass
6	Band Edge at antenna terminals	22.917(b)/24.238(b)	Pass

6. Test Equipments Utilized

Climate chamber

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Climate chamber	SH-641	92012011	ESPEC	2014-08-12

Radiated emission test system

The test equipments and ancillaries used are as follows.

No.	Equipment	Model	Serial Number	Manufacturer	Calibration Due date
1	Universal Radio Communication Tester	CMU200	123102	R&S	2013-09-10
2	Test Receiver	ESU40	100307	R&S	2013-11-07
3	Trilog Antenna	VULB9163	19-162515	Schwarzbeck	2014-11-11
4	Double Ridged Guide Antenna	ETS-3117	00135885	ETS	2014-04-29
5	Double Ridged Guide Antenna	ETS-3117	00135890	ETS	2014-04-28
6	Test receiver	ESCI	101235	R&S	2013-11-07
7	2-Line V-Network	ENV216	101380	R&S	2013-11-07

8	Biconical VHF-UHF broad band antenna	SWB-VUBA9117	9117-266	SCHWARZBECK	2013/11/11
9	Horn antenna(18.0-26.5GHz)	3160_09	LM6321	ETS-LINDGREN	2013/11/22
10	Signal conditioning unit(0.1-18GHz)	SCU18	10155	R/S	2013/11/03
11	Signal conditioning unit(0.1-18GHz)	SCU18	10146	R/S	2013/11/03
12	Horn antenna(18.0-26.5GHz)	3160_09	00086671	ETS-LINDGREN	2014/06/15
13	Amplifier	AFS4-00102650-42-8P-4	1405286	MITEQ	2014/06/09
14	Amplifier	SCV26	10025	R&S	2013/11/09

Conducted test system

No.	Name	Type	SN	Manufacture	Cal. Due Date
1	Spectrum Analyzer	FSQ26	101096	R&S	2013-10-17
2	Universal Radio Communication Tester	CMU200	123102	R&S	2013-09-10
3	DC Power Supply	ZUP60-14	LOC-220Z006-0007	TDL-Lambda	2013-11-30

4	Weinschel power spliter	1870A	10264	Weinschel	2013-12-15

7. 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 ℃, Max. = 30 ℃
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

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

Temperature	Min. = 15 ℃, Max. = 35 ℃
Relative humidity	Min. =30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω

Fully-anechoic chamber1 (6.8 meters×3.08 meters×3.53 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 30 ℃
Relative humidity	Min. = 30 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

Fully-anechoic chamber2 (Tapered Section: 8.75 meters×3.66 meters×3.66 meters, Rectangular Section: 7.32 meters×3.97 meters×3.66 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 ℃, Max. = 30 ℃

Relative humidity	Min. = 35 %, Max. = 60 %
Shielding effectiveness	> 110 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
Uniformity of field strength	Between 0 and 6 dB, from 30MHz to 40000MHz

ANNEX A: MEASUREMENT RESULTS

A.1 OUTPUT POWER (§22.913(a)/§24.232(c))

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

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, 1850.2 MHz, 1880.0MHz and 1909.8MHz for PCS1900 band; 824.4MHz, 836.6MHz and 848.8MHz for GSM850 band. (bottom, middle and top of operational frequency range).
These measurements were done at 3 frequencies, 1852.4 MHz, 1880.0MHz and 1907.6MHz for WCDMA Band II; 826.4MHz, 836.6MHz and 846.6MHz for WCDMA Band V. (bottom, middle and top of operational frequency range).

Limit:

GSM850	Power step	Nominal Peak outpu power (dBm)
GPRS	3	33

GSM1900	Power step	Nominal Peak outpu power (dBm)
GPRS	3	30

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.

GSM Test Condition:

RBW	VBW	Sweep time	Span
1MHz	1MHz	300ms	10MHz

Measurement results:

GPRS 850 (GMSK 1 Slot)		
Channel/fc(MHz)	Peak power (dBm)	AV power (dBm)

Mid 189/836.4	32.9	32.7
Low 128/824.2	33.0	33.0
High 251/848.8	33.0	32.9

GPRS 1900 (GMSK 1 Slot)		
Channel/fc(MHz)	Peak power (dBm)	AV power (dBm)
Mid 661/1880	29.6	29.5
Low 512/1850.2	28.8	28.7
High 810/1909.8	29.4	29.3

Conclusion: PASS

A.2 99%Occupied Bandwidth (§2.1049(h)(i))

A.2.1 Occupied Bandwidth Results

Similar to conducted emissions; occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of GSM850, PCS1900, WCDMA BANDII and WCDMA BANDV.

Test Procedure:

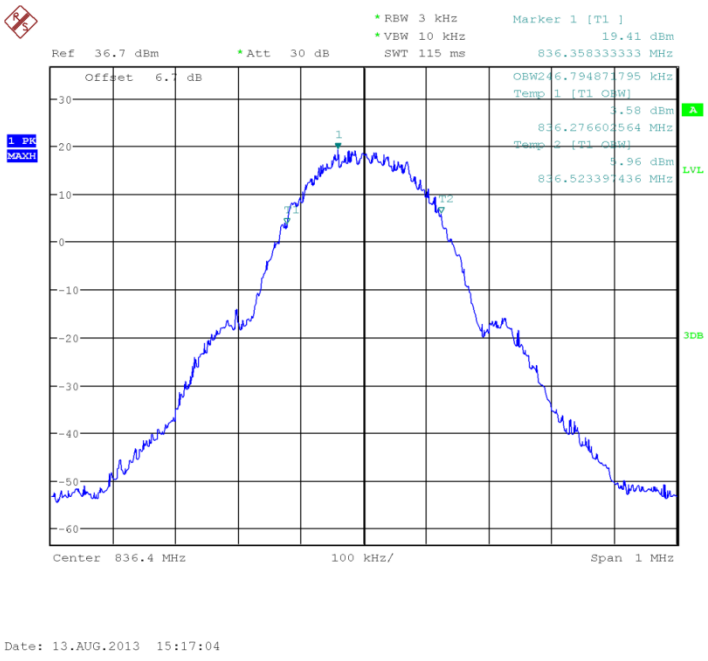
The EUT output RF connector was connected with a short cable to the signal analyzer, RBW was set to about 1% of emission BW, VBW >= 3 times RBW, 99% bandwidth were measured, the occupied bandwidth is delta frequency between the two points where the display line intersects the signal trace.

Test result:

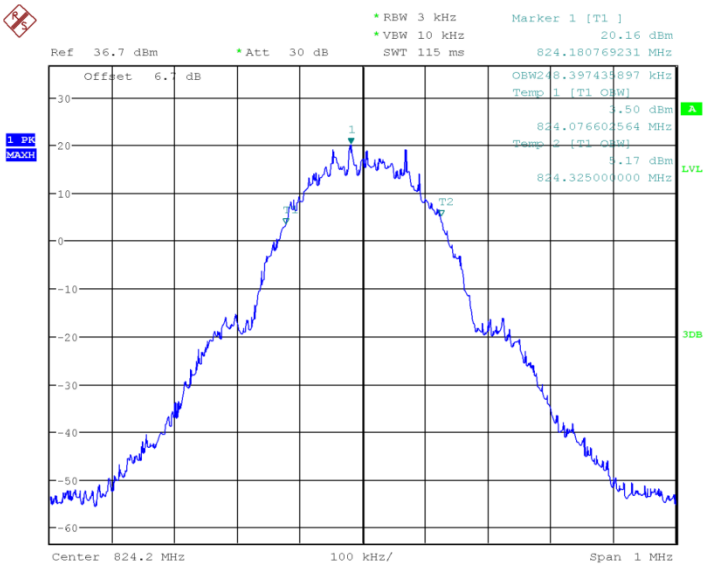
GPRS850		
Test channel	Frequency (MHz)	99% Occupied Bandwidth(KHz)
Mid 189	836.4	246.795
Low 128	824.2	248.397
High 251	848.8	246.795

Conclusion: PASS

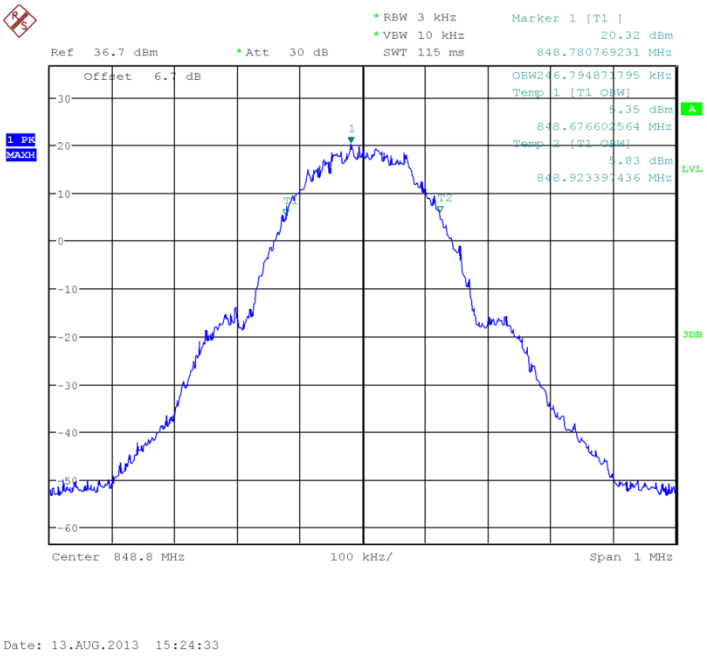
GPRS 850



Channel 189-Occupied Bandwidth (99%)



Channel 128-Occupied Bandwidth (99%)

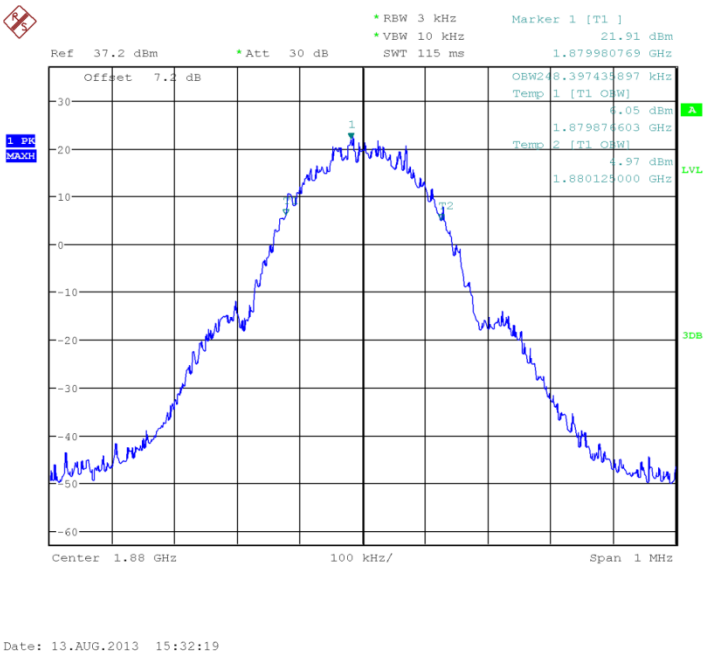


Channel 251-Occupied Bandwidth (99%)

GPRS1900		
Test channel	Frequency (MHz)	99% Occupied Bandwidth(KHz)
Mid 661	1880	248.397
Low 512	1850.2	246.795
High 810	1909.8	248.397

Conclusion: PASS

GPRS 1900



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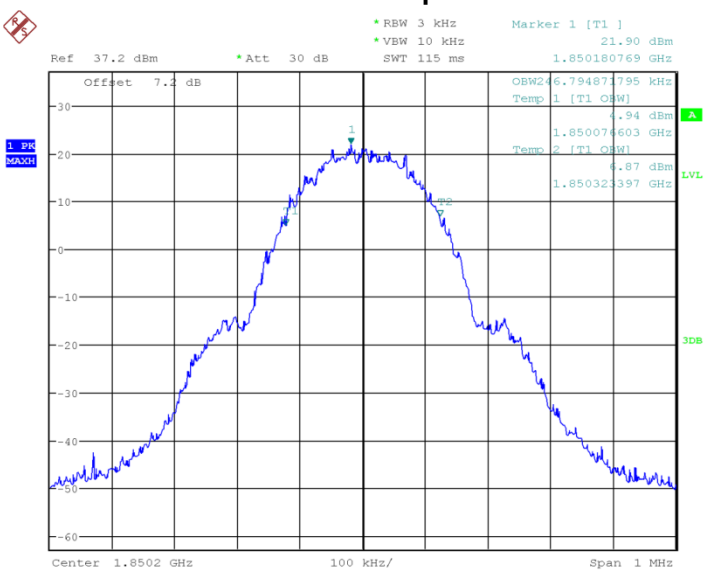
Channel 661-Occupied Bandwidth



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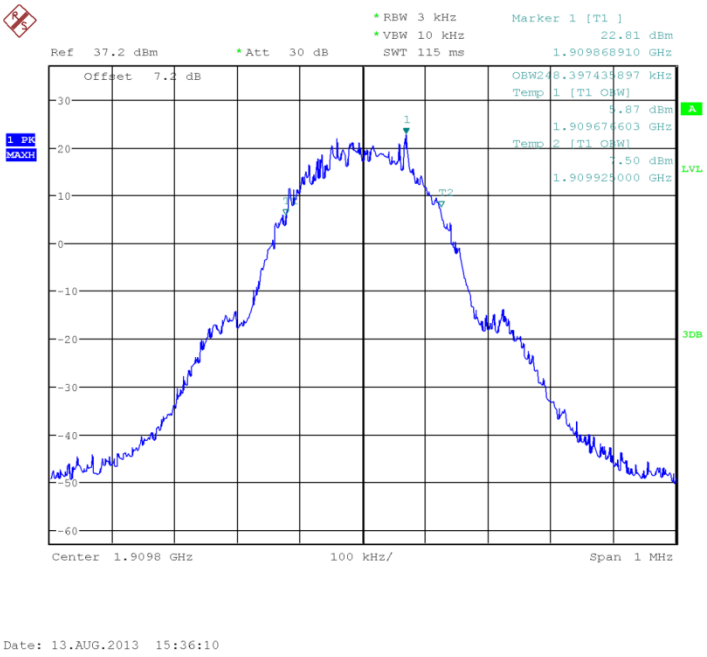
Channel 512-Occupied Bandwidth



Channel 810-Occupied Bandwidth

Conclusion: PASS

A.3 -26dB Emission Bandwidth (§22.917(b)/§24.238(b))

A.3.1 -26dB Emission Bandwidth

Similar to conducted emissions; occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of GSM850, PCS1900.

Test Procedure:

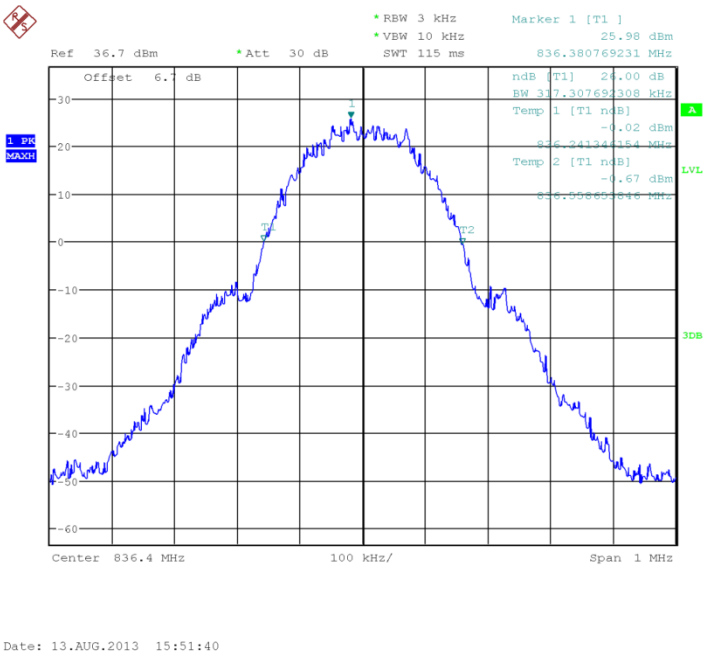
The table below lists the measured -26dBc BW. Spectrum analyzer plots are included on the following pages.

Test results:

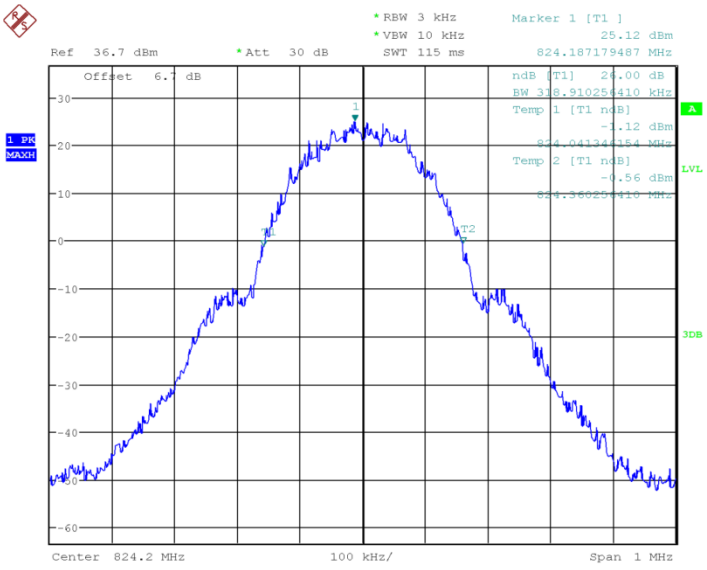
GPRS850		
Test channel	Frequency (MHz)	–26dBc Emission Bandwidth(KHz)
Mid 189	836.4	317.308
Low 128	824.2	318.910
High 251	848.8	315.705

Conclusion: PASS

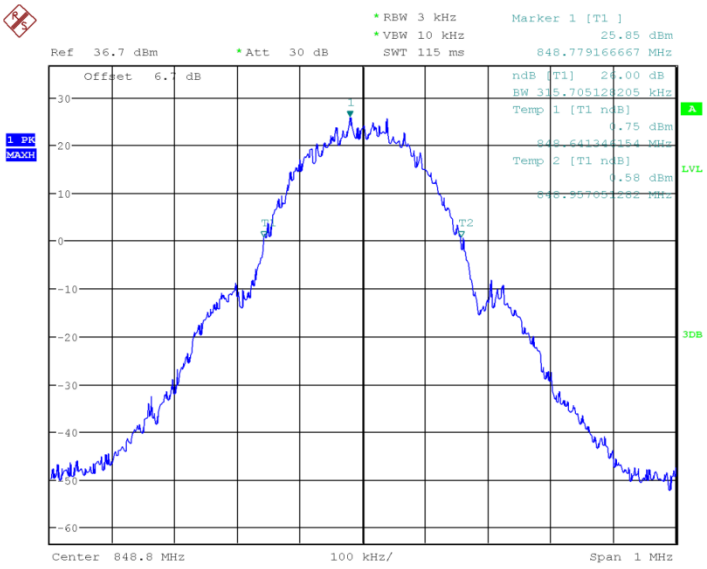
GPRS 850



Channel 189- Emission Bandwidth (-26dBc BW)



Channel 128- Emission Bandwidth (-26dBc BW)

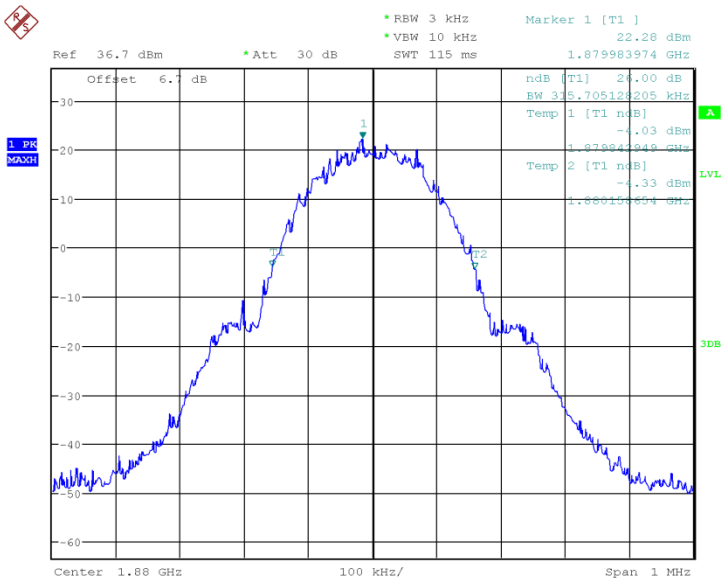


Channel 251- Emission Bandwidth (-26dBc BW)

GPRS1900		
Test channel	Frequency (MHz)	–26dBc Emission Bandwidth(KHz)
Mid 661	1880	315.705
Low 512	1850.2	320.513
High 810	1909.8	312.500

Conclusion: PASS

GPRS 1900



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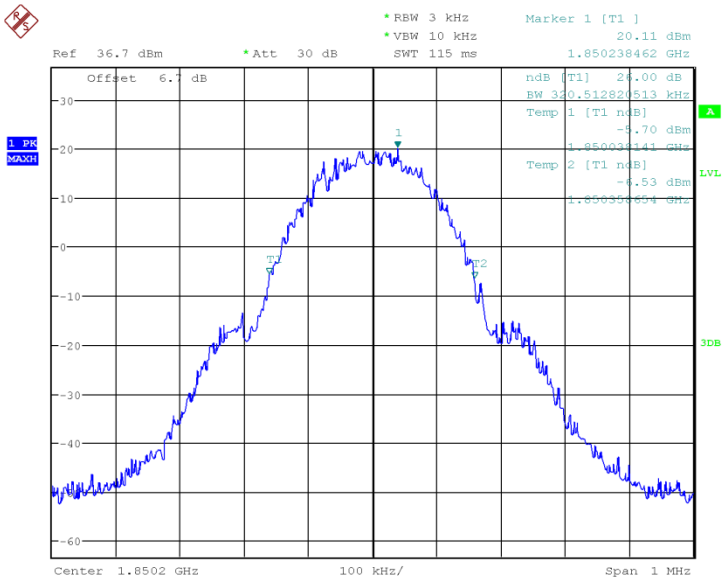
Channel 661- Emission Bandwidth (-26dBc BW)



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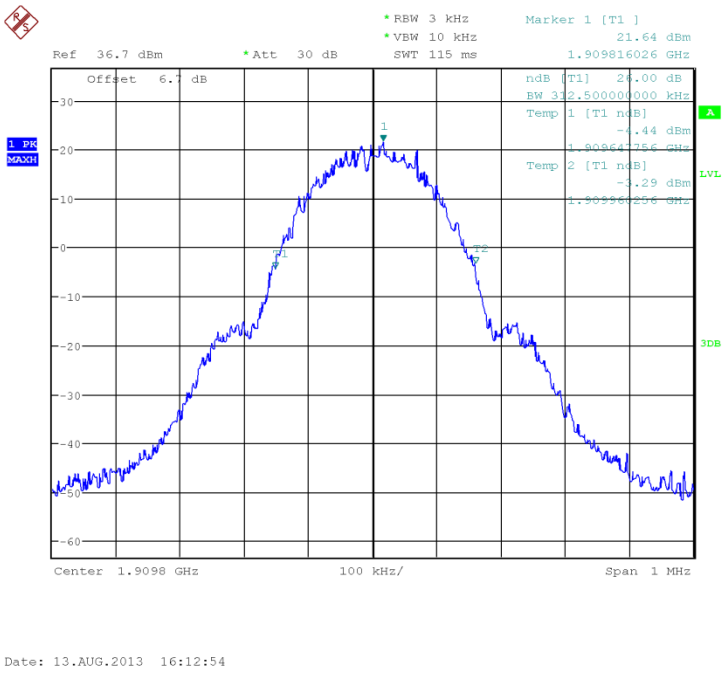
Channel 512- Emission Bandwidth (-26dBc BW)



Channel 810- Emission Bandwidth (-26dBc BW)

Conclusion: PASS

A.4 Band Edge at antenna terminals (§22.917(b)/§24.238(b))

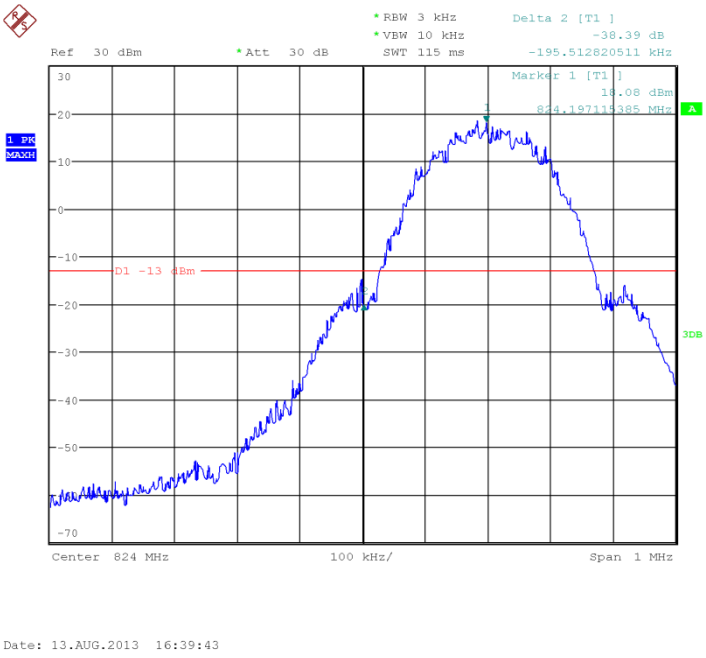
Limit:

The magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specification in the instruction manual and/or alignment procedure, shall not be less than 43+10log (Mean power in watts) dBc below the mean power output outside a license's frequency block(-13dBm).

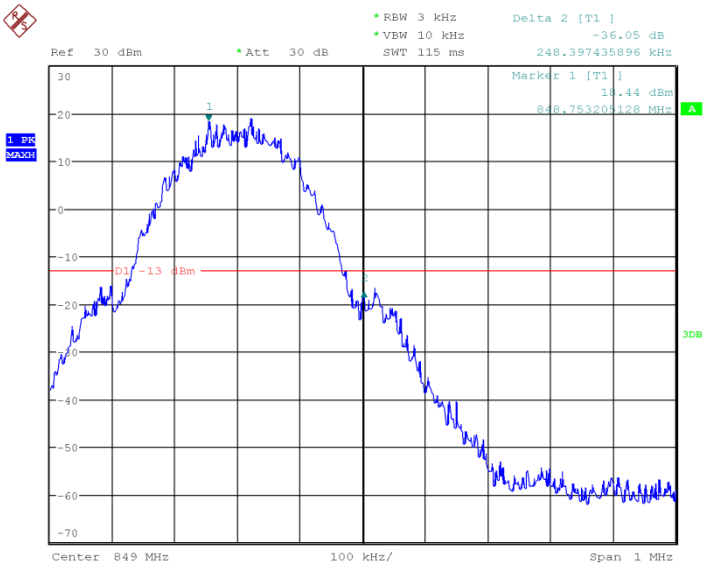
Test procedure:

The RF output of the transceiver was connected to a signal analyzer through appropriate attenuation. In the 1MHz 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.

GPRS 850



Channel 128- LOW BAND EDGE BLOCK



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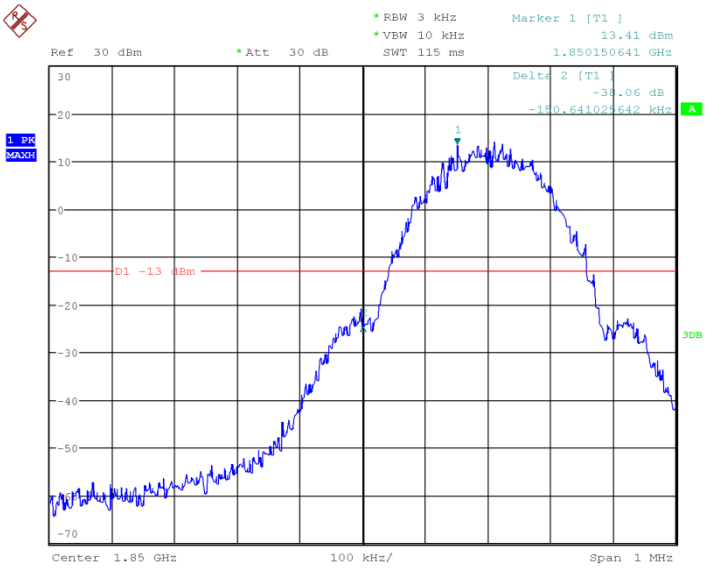
Channel 251- HIGH BAND EDGE BLOCK

GPRS 1900



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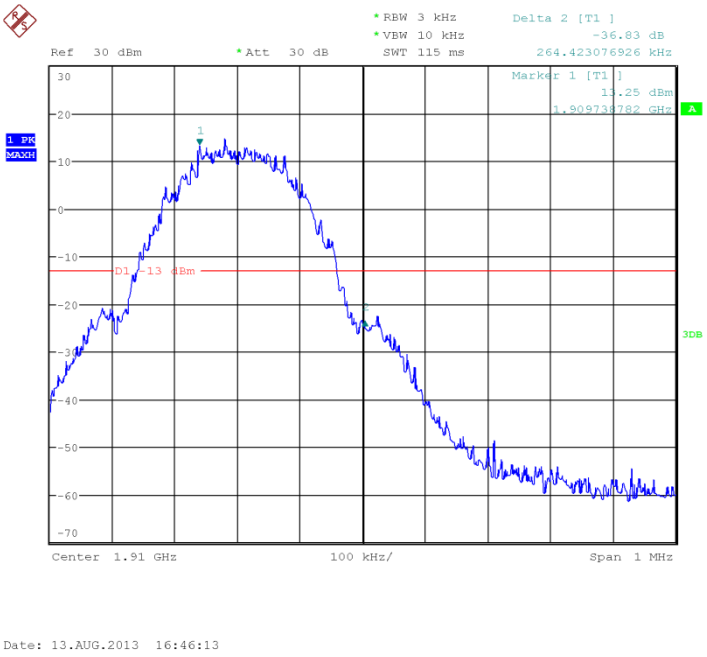
Channel 512- LOW BAND EDGE BLOCK



Channel 810- HIGH BAND EDGE BLOCK

Conclusion: PASS

A.5 RADIATED

A.5.1 ERP

A.5.1.1 GSM ERP

A.5.1.1.1 Description

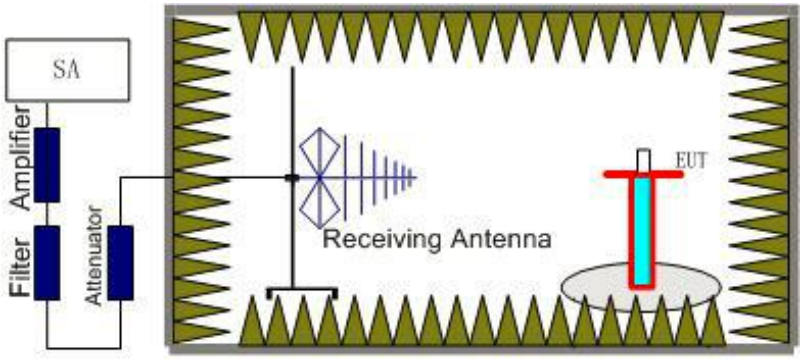
This is the test for the maximum radiated power from the EUT.

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.”

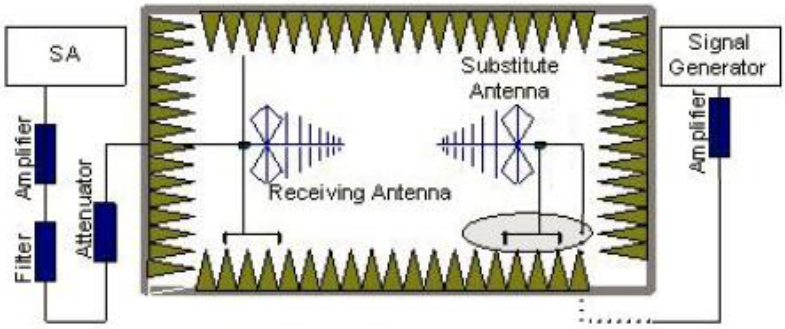
A.5.1.1.2 Method of Measurement

The measurements procedures in TIA-603C-2004 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:
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 -2.15dBi.

GSM 850-ERP 22.913(a)

Limits

	Power Step	**Burst Peak ERP (dBm)**
GPRS	3	≤38.45dBm (7W)

Measurement result

GPRS

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	P_{Ag} (dB)	G_a Antenna Gain(dBd)	Peak ERP (dBm)	Polarization
824.2	-33.13	3.05	-69.40	3.11	30.11	H
836.6	-33.02	3.05	-69.40	3.11	30.42	H
848.8	-33.38	3.05	-69.40	3.11	29.86	H

Frequency**:** 824.2MHz

Peak ERP(dBm)= P_{Mea}(-32.60dBm) - P_{cl}(3.05dB) - P_{Ag}(-69.4dB) - G_a (3.11dBd) = 30.54dBm

ANALYZER SETTINGS: RBW = VBW = 3MHz

PCS 1900-EIRP 24.232(c)

Limits

	Power Step	**Burst Peak ERP (dBm)**
GPRS	3	≤33dBm (2W)

Measurement result

GPRS

Frequency (MHz)	P_{Mea} (dBm)	P_{cl} (dB)	P_{Ag} (dB)	G_a Antenna Gain(dBi)	Peak EIRP (dBm)	Polarization
1850.2	-43.66	3.54	-69.40	-2.9	27.25	H
1880.0	-43.46	3.54	-69.40	-2.9	27.35	H
1909.8	-43.87	3.54	-69.40	-2.9	27.04	H

Frequency**:** 1850.2MHz

Peak EIRP(dBm)= P_{Mea}(-41.99dBm) - P_{cl}(3.54dB) - P_{Ag}(-69.4dB) - G_a (-2.9dB)+2.15dBi=28.92dBm

ANALYZER SETTINGS: RBW = VBW = 3MHz

Note: testing in several polarization direction, the worst case was shown.

A.7.2 EMISSION LIMIT (§2.1051/§22.917§24.238)

A.7.2.1 GSM Measurement Method

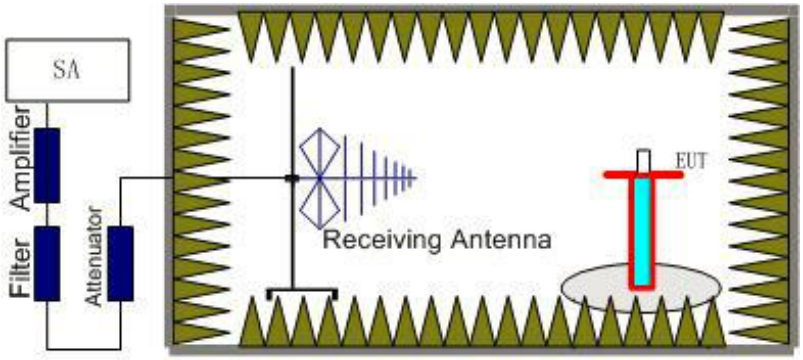
The measurement procedures in TIA-603C-2004 are used.

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.

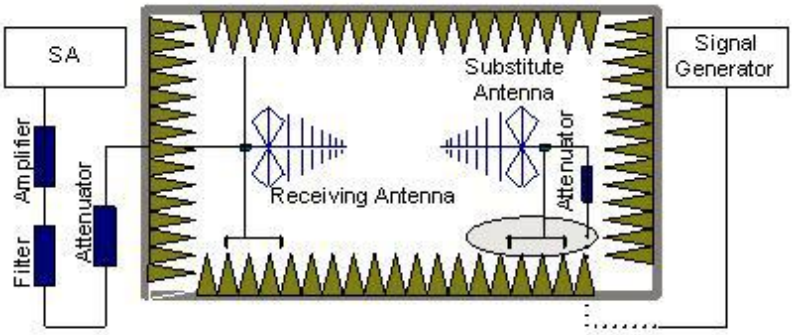
The procedure of radiated spurious emissions is as follows:

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 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 and the gain of the amplifier.
The measurement results are obtained as described below:
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 -2.15dBi

A.7.2.1.1 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.7.2.1.2 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.7.2.1.3 Measurement Results

Table:

Frequency	Channel	Frequency Range	Result
GSM850	Low	30MHz~10GHz	P
	Middle	30MHz~10GHz	P
	High	30MHz~10GHz	P
GSM1900	Low	30MHz~20GHz	P
	Middle	30MHz~20GHz	P
	High	30MHz~20GHz	P

GSM Mode Channel 128

Final result:

Frequency (MHz)	PMea (dBm)	Path Loss	Antenna Gain	Correction dBm	Peak ERP (dBm)	Limit （dBm）	Polarization
1648.8	-59.41	3.05	-3.11	2.15	-61.5	-13	V
2400.0	-54.76	3.05	-3.11	2.15	-57.2	-13	V

3453.6	-45.83	3.07	-3.4	2.15	-48.0	-13	H
4297.2	-44.50	3.57	-3.7	2.15	-46.6	-13	V
5137.2	-46.89	4.26	-7.4	2.15	-45.9	-13	V

GSM Mode Channel 190

Final result:

Frequency (MHz)	PMea (dBm)	Path Loss	Antenna Gain	Correction dBm	Peak ERP (dBm)	Limit （dBm）	Polarization
1672.8	-42.87	4.18	-4.9	2.15	-44.3	-13	V
7530.4	-51.39	4.26	-7.7	2.15	-50.1	-13	V
8366.4	-50.32	4.43	-9	2.15	-47.9	-13	V
9202.4	-48.62	5.83	-12.3	2.15	-44.3	-13	V

GSM Mode Channel 251

Final result:

Frequency (MHz)	PMea (dBm)	Path Loss	Antenna Gain	Correction dBm	Peak ERP (dBm)	Limit （dBm）	Polarization
1697.4	-37.01	4.24	-4.9	2.15	-38.5	-13	V
9337.6	-50.15	4.4	-7.7	2.15	-49	-13	V
7639.2	-53.62	4.83	-9	2.15	-51.6	-13	V
6404.8	-56.6	5.85	-12.3	2.15	-52.3	-13	V

GSM Mode Channel 512

Final result:

Frequency (MHz)	PMea (dBm)	Path Loss	Antenna Gain	Correction dBm	Peak EIRP (dBm)	Limit （dBm）	Polarization
3700.2	-51.23	4.42	-6.2	2.15	-51.6	-13	V
7400.4	-50.81	5.24	-9.5	2.15	-48.7	-13	V
12951.6	-39.82	6.13	-14.6	2.15	-33.5	-13	V

GSM Mode Channel 661

Final result:

Frequency (MHz)	P_{Mea} (dBm)	Path Loss	Antenna Gain	Correction dBm	Peak EIRP (dBm)	Limit （dBm）	Polarization
3759.6	-46.56	4.59	-6.2	2.15	-47.1	-13	V
7520.4	-51.23	5.62	-9.5	2.15	-49.5	-13	H
13159.2	-45.96	6.59	-14.6	2.15	-40.1	-13	H

GSM Mode Channel 810

Final result:

Frequency (MHz)	P_{Mea} (dBm)	Path Loss	Antenna Gain	Correction dBm	Peak EIRP (dBm)	Limit （dBm）	Polarization
3819.6	-49.25	4.3	-7.2	2.15	-48.5	-13	V
5730	-54.44	5.71	-10.5	2.15	-51.8	-13	V

Conclusion: PASS

ANNEX B Deviations from Prescribed Test Methods

No deviation from Prescribed Test Methods.

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