TEST REPORT

FCC ID: 2ABNA-G5, IC: 11648A-G5

Applicant : Guangzhou Geoelectron Science & Technology Company Limited

Address : No.704, 7/F, Building C, No.7, Cai Pin Road, Science City, Luogang District, Guangzhou, China

Equipment under Test (EUT):

Name : GNSS Receiver

Model : G5, GX5

In Accordance with: FCC PART 2, FCC PART 22H, FCC PART 24E
RSS-132, Issue 3, January 2013
RSS-133, Issue 6, January 2013

Report No : T1860371 09
Date of Test : March 18- March 28, 2016
Date of Issue : March 29, 2016

Test Result : PASS

In the configuration tested, the EUT complied with the standards specified above

Authorized Signature

(Mark Zhu)

General Manager

Contents

TEST REPORT VERIFICATION

Applicant	:	Guangzhou Geoelectron Science & Technology Company Limited
Manufacturer	:	Guangzhou Geoelectron Science & Technology Company Limited
EUT Description	:	GNSS Receiver

(A) Model No. : G5, GX5
(B) Trademark : GINTEC, ACNOVO
(C) Ratings Supply : DC 3.6V from battery or DC 5.35V from adapter for charging
(D)Test Voltage : DC 3.6V from battery

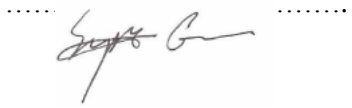
Measurement Standard Used:

FCC Rules and Regulations Part 22H&Part 24E, RSS-132&RSS-133, ANSI C63.10-2013

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the Part 22H & Part 24E, RSS-132&RSS-133 limits both conducted and radiated emissions. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed of full responsibility for the accuracy and completeness of these tests.

After the test, our opinion is that EUT compliance with the requirement of the above standards.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Tested by (name + signature).....…..:	Eric Huang Test Engineer	
Approved by (name + signature)…....:	Simple Guan Project Manager	
Date of issue…… ……..:	April 05, 2016	

1. General Information

1.1. Description of Device (EUT)

EUT	:	GNSS Receiver
Trade Name	:	GINTEC, ACNOVO
Model No.	:	G5, GX5
DIFF.	:	Only differ in model number.
Power supply	:	DC 3.6V from battery or DC 5.35V from adapter for charging
Adapter	:	Manufacturer: NIL Model No.: PSAI10R-050Q
Radio Technology	:	WCDMA BAND II/V
Release Version	:	Rel-6
Operation frequency	:	WCDMA BAND II: 1852.4MHz—1907.6MHz WCDMA BAND V: 826.4MHz—846.6MHz
Modulation	:	WCDMA: QPSK
Antenna Type	:	PCB Antenna, max gain 4.38dBi for WCDMA850 PCB Antenna, max gain 4.38dBi for WCDMA1900
Software version	:	V2.4.20160201
Hardware version	:	M5_MB_V1.2
Applicant	:	Guangzhou Geoelectron Science & Technology Company Limited
Address	:	No.704, 7/F, Building C, No.7, Cai Pin Road, Science City, Luogang District, Guangzhou, China
Manufacturer	:	Guangzhou Geoelectron Science & Technology Company Limited
Address	:	No.704, 7/F, Building C, No.7, Cai Pin Road, Science City, Luogang District, Guangzhou, China

1.2. Test Lab information

Shenzhen Alpha Product Testing Co., Ltd
Building B, East Area of Nanchang Second, Industrial Zone, Gushu 2nd Road,
Bao'an, Shenzhen, China

March 25, 2015 File on Federal Communication Commission
Registration Number: 203110

July 18, 2014 Certificated by IC
Registration Number: 12135A

2. Summary of test

2.1. Summary of test result

Description of Test Item	Standard	Results
Conducted Output power	FCC PART 2: 2.1046 FCC PART 22H: 22.913 (a) FCC PART 24E: 24.232 (c) RSS-132: 5.4 RSS-133: 6.4	PASS
Radiated Output power(erp/eirp)	FCC PART 22H:22.913 (a) FCC PART 24E:24.232(c) RSS-132: 5.4 RSS-133: 6.4	PASS
Occupied bandwidth	FCC PART 2: 2.1049 FCC PART 22H: 22.917 (b) FCC PART 24E: 24.238 (b)	PASS
Frequency stability	FCC PART 2: 2.1055 FCC PART 22H: 22.355 FCC PART 24E: 24.235 RSS-132: 5.3 RSS-133: 6.3	PASS
Conducted spurious emission (Antenna terminal)	FCC PART 2: 2.1051 FCC PART 22H: 22.917 FCC PART 24E: 24.238 RSS-132: 5.5 RSS-133: 6.5	PASS
Radiated spurious emissions	FCC PART 2: 2.1053 FCC PART 22H: 22.917 FCC PART 24E: 24.238 RSS-132: 5.5 RSS-133: 6.5	PASS
Band edge compliance	FCC PART 22H: 22.917 (b) FCC PART 24E: 24.238 (b) RSS-132: 5.5 RSS-133: 6.5	PASS
Power Line Conducted Emission Test	FCC Part 15: 15.207 ANSI C63.4: 2003	PASS

2.2. Assistant equipment used for test

Description : Adapter
Manufacturer : NIL
Model No. : PSAI10R-050Q
Input : AC 100-240V, 50-60Hz, 0.3A, 22-38VA
Output : DC 5.35V, 2.0A

2.3. Test mode

During all testing, EUT is in link mode with base station emulator at maximum power level in each test mode and channel as below:

Mode	Channel	Frequency(MHz)
UMTS BAND V	4132	826.4
	4182	836.6
	4233	846.6
UMTS BAND II	9262	1852.4
	9400	1880.0
	9538	1907.6

2.4. Test Environment Conditions

Temperature range	21-25℃
Humidity range	40-75%
Pressure range	86-106kPa

2.5. Measurement Uncertainty (95% confidence levels, k=2)

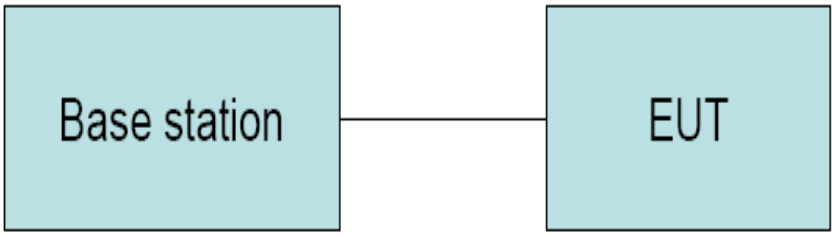
Item	MU	Remark
Uncertainty for Power point Conducted Emissions Test	2.71dB	
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.90 dB	Polarize: V
	3.92dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	4.26 dB	Polarize: H
	4.28 dB	Polarize: V
Uncertainty for conducted RF Power	0.16dB	

2.6. Test Equipment

Equipment	Manufacture	Model No.	Serial No.	Last cal. Due to	Cal Interval
3m Semi-Anechoic	CHENYU	N/A	N/A	2018.01.18	2Year
Spectrum analyzer	Agilent	E4407B	MY46185649	2017.01.16	1Year
Receiver	R&S	ESPI	101873	2017.01.16	1Year
Receiver	R&S	ESCI	101165	2017.01.16	1Year
Bilog Antenna	SCHWARZBECK	VULB 9168	VULB9168-438	2018.01.18	2Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D(1201)	2017.01.20	2Year
Cable	Resenberger	N/A	No.1	2017.01.16	1Year
Cable	SCHWARZBECK	N/A	No.2	2017.01.16	1Year
Cable	SCHWARZBECK	N/A	No.3	2017.01.16	1Year
Pre-amplifier	HP	HP8347A	2834A00455	2017.01.18	1Year
Pre-amplifier	Agilent	8449B	3008A02664	2017.01.18	1Year
vector Signal Generator	Agilent	N5182A	MY49060042	2016.11.16	1 Year
vector Signal Generator	Agilent	E4438C	US44271917	2016.11.16	1 Year
X-series USB Peak and Average Power Sensor	Agilent	U2021XA	MY54080020	2016.11.16	1 Year
X-series USB Peak and Average Power Sensor	Agilent	U2021XA	MY54110001	2016.11.16	1 Year
Signal Analyzer	Agilent	N9020A	MY48030494	2016.11.16	1 Year

3. Conducted Output power

3.1. Block Diagram of Test Setup



3.2. Limit

Cellular Telephone 850MHz	PCS 1900MHz
38.5dBm(ERP)	33dBm(EIRP)

3.3. Test Procedure

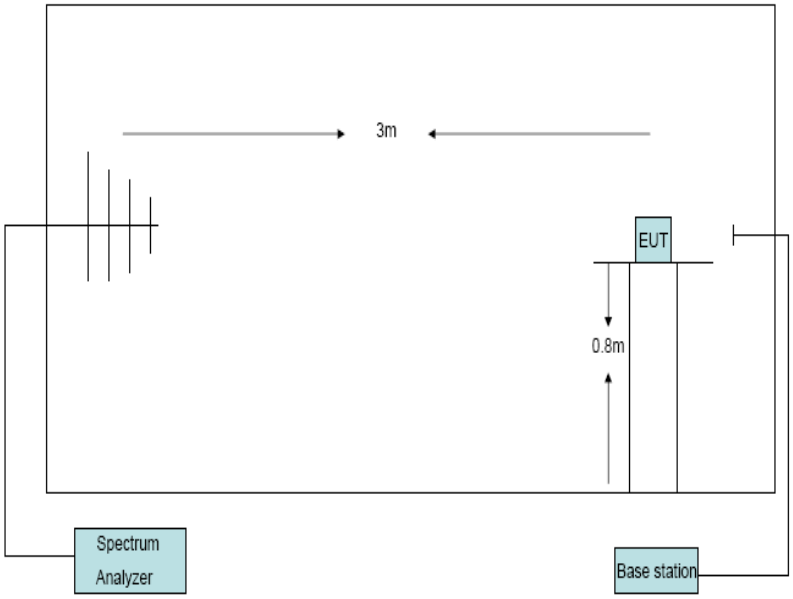
(1) The EUT's RF output port was connected to base station.
(2) A call is set up by the SS according to the generic call set up procedure
(3) Set EUT at maximum power level through base station by power level command
(4) Measure the maximum output power of EUT at each frequency band and mode by base station.

3.4. Test Result

EUT: GNSS Receiver M/N:G5 Power: DC 3.6V from battery												
Ambient Temperature:24℃		Relative Humidity: 62%										
Test date: 2016-03-24		Test site: RF site Tested by: Simple Guan										
Conclusion: PASS												
Mode	Channel	PK Output Power(dBm)										Limit (dBm)
		WCDMA	HSDPA				HSUPA					
			Sub Test1	Sub Test2	Sub Test3	Sub Test4	Sub Test1	Sub Test2	Sub Test3	Sub Test4	Sub Test5	
WCDMA 850	4132	23.31	23.30	23.28	23.29	23.25	22.27	21.68	21.71	21.62	22.42	38.5
	4182	23.28	23.26	23.25	23.26	23.22	22.69	21.22	21.73	21.58	22.06	38.5
	4233	23.32	23.27	23.28	23.19	23.16	22.43	21.52	2135	21.58	22.16	38.5
WCDMA 1900	9262	22.93	23.06	23.08	23.09	23.05	22.57	21.46	21.35	21.59	22.43	33
	9400	23.21	22.48	23.29	23.28	23.15	22.42	21.28	21.32	21.43	22.14	33
	9538	23.18	23.15	23.16	23.09	23.11	22.38	21.42	21.28	21.27	22.16	33

4. Radiated Output power

4.1. Block Diagram of Test Setup



4.2. Limit

Cellular Telephone 850MHz	PCS 1900MHz
38.5dBm(ERP)	33dBm(EIRP)

4.3. Test Procedure

1. The EUT was placed on a non-conductive rotating platform with 0.8 meter height in an anechoic chamber. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and a spectrum analyzer with RBW= 3MHz, VBW= 3MHz and peak detector settings.
2. During the measurement, the EUT was enforced in maximum power and linked with a base station. The highest emission was recorded from analyzer power level (LVL) from the 360 degrees rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 meters in both horizontally and vertically polarized orientations
3. Effective Isotropic Radiated Power (EIRP) was measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by dipole antenna (for frequency below 1GHz) or Horn antenna (for frequency above 1GHz) at same location with same polarize of receiving antenna and then a known power of each measure frequency from

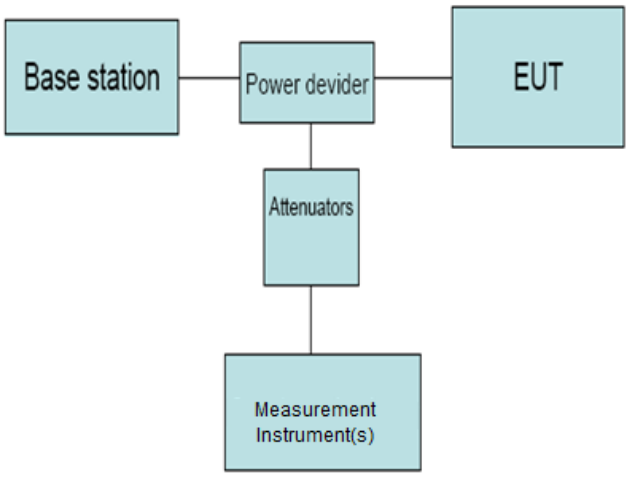
S.G. was applied into the dipole antenna or Horn antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. The correction factor (in dB) = S.G. - Tx Cable loss + Substitution antenna gain –Substitution antenna Loss (only for Dipole antenna) - Analyzer reading. Then the EUT's EIRP was calculated with the correction factor, EIRP= LVL + Correction factor and ERP = EIRP – 2.15

4.4. Test Result

EUT: GNSS Receiver M/N:G5					
Power: DC 3.6V from battery					
Ambient Temperature:23℃			Relative Humidity: 60%		
Test date: 2016-03-24			Test site: RF site	Tested by: Simple Guan	
Conclusion: PASS					
Mode	Channel	LVL (dBm)	Correction factor(dB)	ERP (dBm)	EIRP (dBm)
WCDMA BAND V	4132	-6.61	30.27	21.51	/
	4182	-6.75	30.16	21.26	/
	4233	-6.55	30.24	21.54	/
WCDMA BAND II	9262	-25.63	46.83	/	21.20
	9400	-25.61	46.97	/	21.36
	9538	-25.64	46.96	/	21.32
ERP=LVL + Correction factor -2.15 EIRP=LVL+ Correction factor					

5. Peak-to-Average Ratio

5.1. Block Diagram of Test Setup



5.2. Limit

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.

5.3. Test Procedure

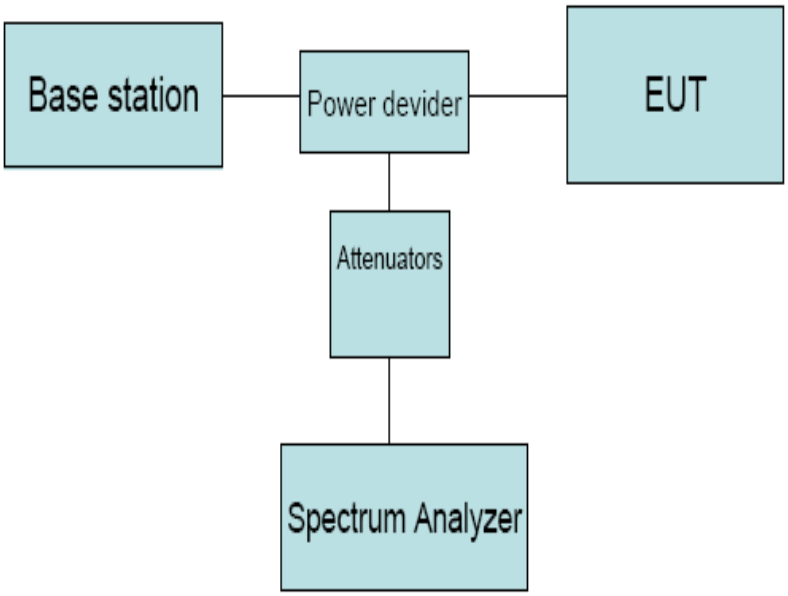
The EUT' RF output port was connected to Measurement Instrument(s) and Base Station via power divider, and then measure the test data.

5.4. Test Result

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1900	WCDMA	LCH	3.42	13	PASS
		MCH	3.58	13	PASS
		HCH	3.45	13	PASS

6. Occupied Bandwidth

6.1. Block Diagram of Test Setup



6.2. Limit

N/A

6.3. Test Procedure

1. The EUT' RF output port was connected to Spectrum Analyzer and Base Station via power divider.

2. Spectrum analyzer's occupied bandwidth measure function was used to measure 99% bandwidth and -26dBc bandwidth

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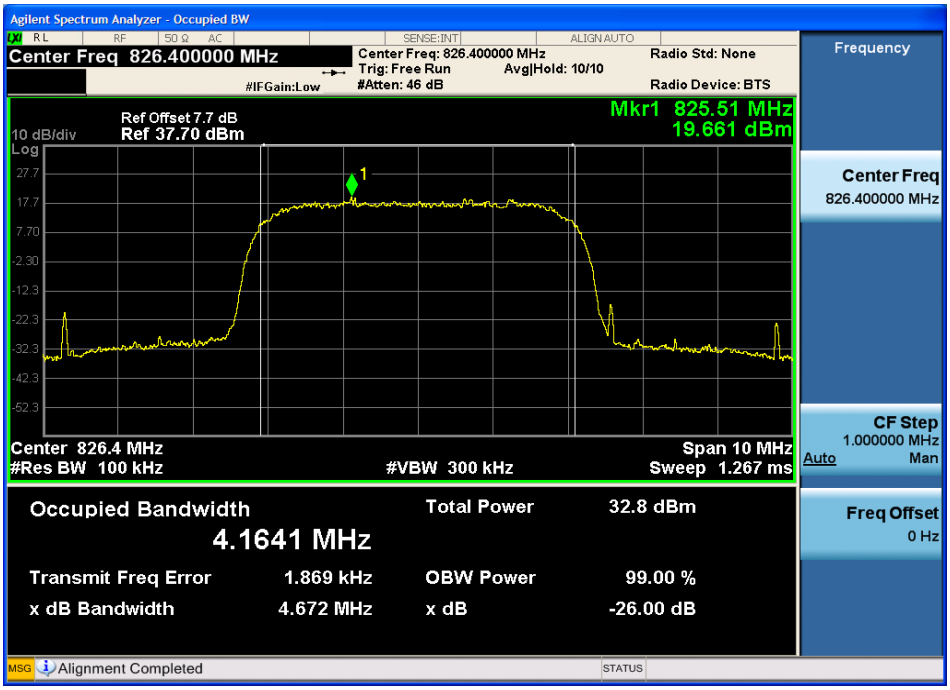
6.4. Test Result

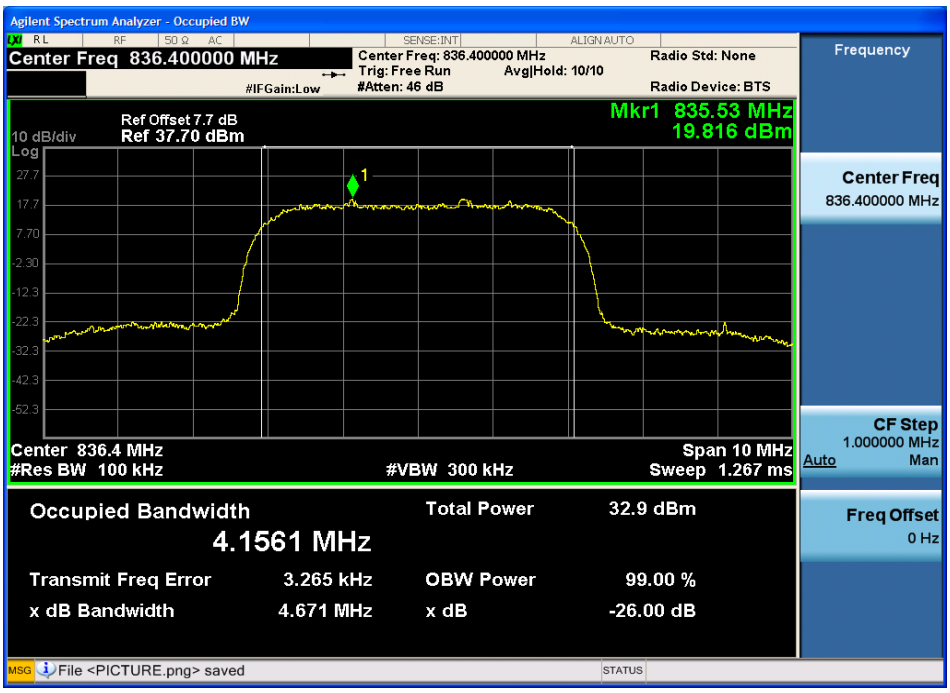
EUT: GNSS Receiver M/N:G5			
Power: DC 3.6V from battery			
Ambient Temperature:23℃		Relative Humidity: 60%	
Test date: 2016-03-24		Test site: RF site	Tested by: Simple Guan
Mode	Channel	99% bandwidth (MHz)	-26dBc bandwidth (MHz)
WCDMA BAND V	4132	4.1641	4.672
	4182	4.1561	4.671
	4233	4.1708	4.663
WCDMA BAND II	9262	4.1507	4.663
	9400	4.1589	4.664
	9538	4.1565	4.656

6.5. Orginal test data

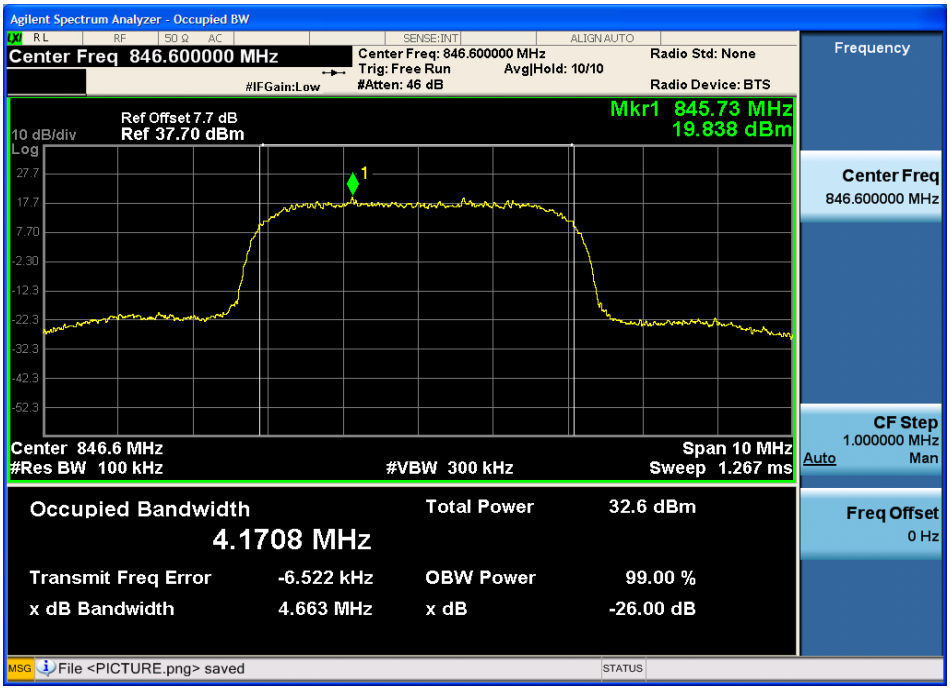
WCDMA BAND V CH4132



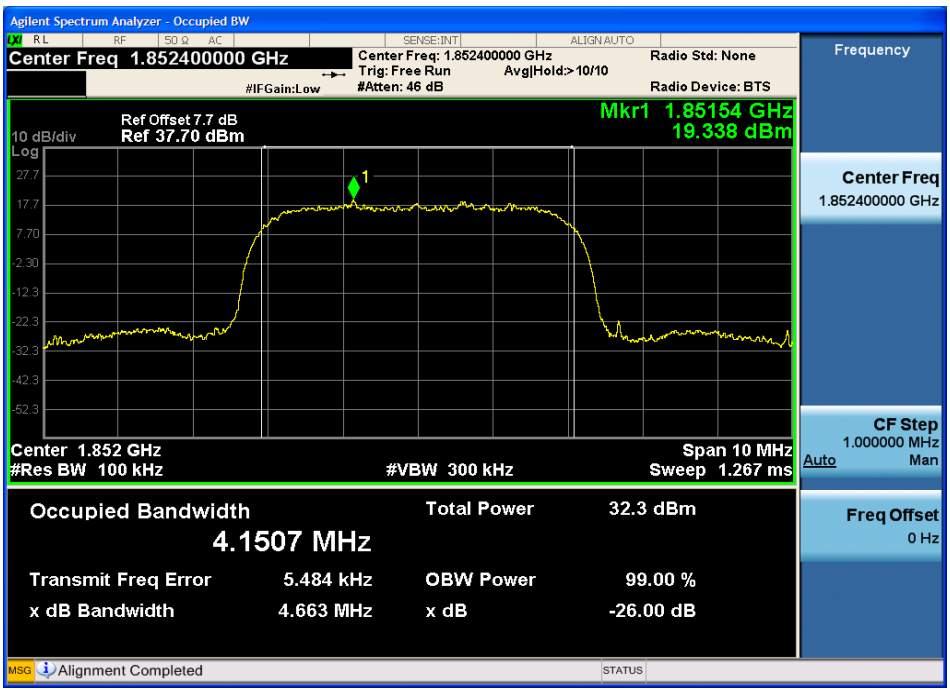
WCDMA BAND V CH4182



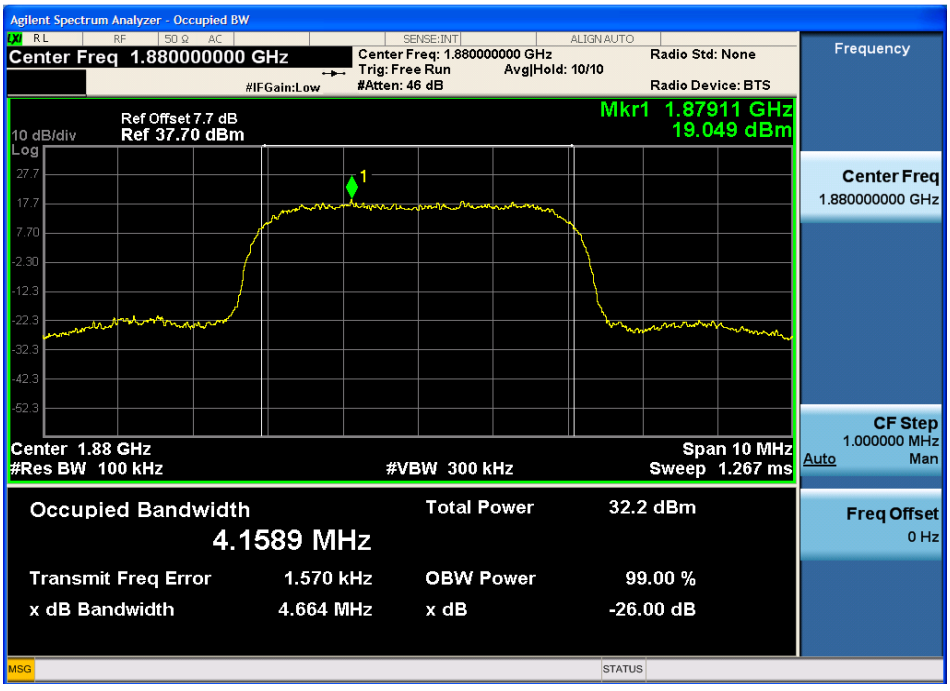
WCDMA BAND V CH4233



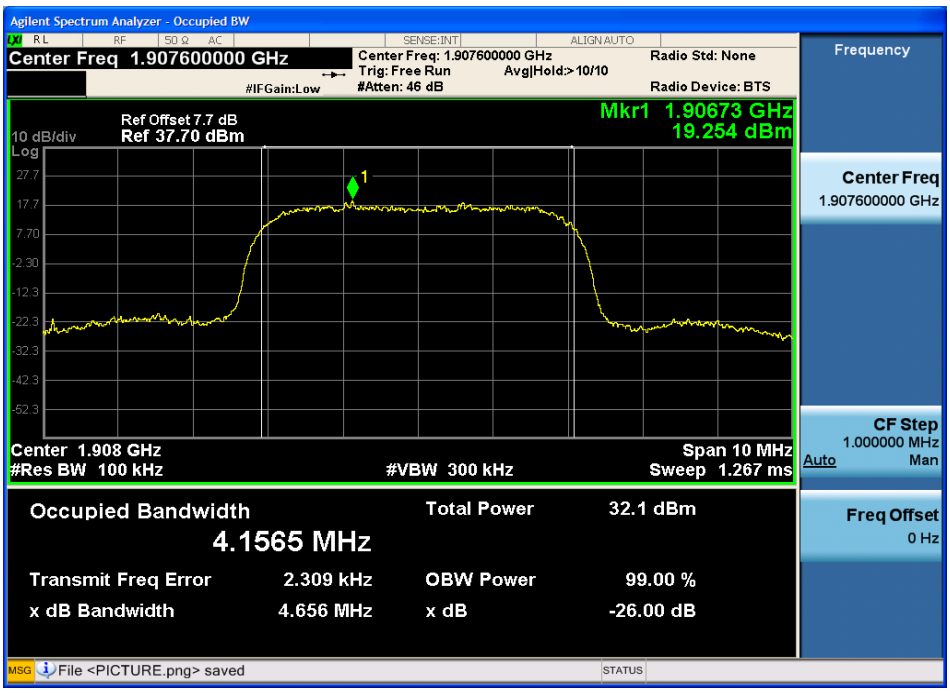
WCDMA BAND II CH9262



WCDMA BAND II CH9400

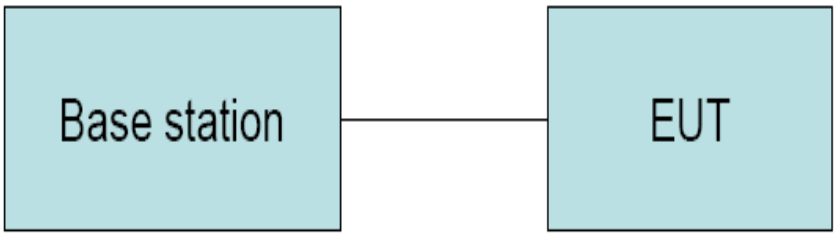


WCDMA BAND II CH9538



7. Frequency stability

7.1. Block Diagram of Test Setup



7.2. Limit

Cellular Telephone 850MHz	PCS 1900MHz
± 2.5 ppm	Must stay within the authorized frequency block

7.3. Test Procedure

Test Procedures for Temperature Variation:

1. The EUT was set up in the thermal chamber and connected with the base station.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized for three hours. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

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Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at 25±5° C and connected with the base station.
2. The power supply voltage to the EUT was varied from DC 5V to 3.5V
3. The variation in frequency was measured for the worst case.

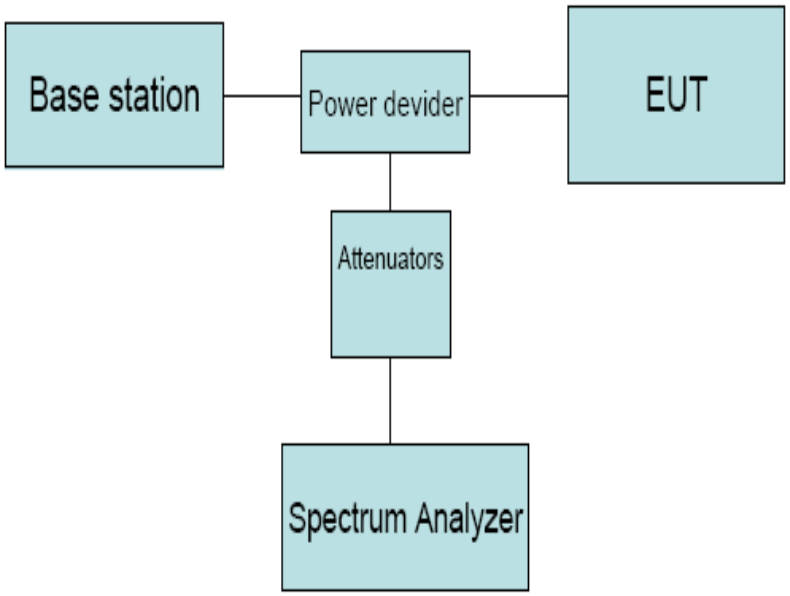
7.4. Test Result

EUT: GNSS Receiver M/N:G5			
Power: DC 3.6V from battery			
Ambient Temperature:23℃		Relative Humidity: 60%	
Test date: 2016-03-24		Test site: RF site	Tested by: Simple Guan
Conclusion: PASS			
Mode	Voltage (V)	Frequency error (Hz)	frequency error (ppm)
WCDMA BAND V CH4182	4.2V	1.79	0.002
	3.6V	0.58	0.001
	3.1V	-1.51	-0.002
WCDMA BAND II CH9400	4.2V	-5.93	-0.003
	3.6V	-6.95	-0.004
	3.1V	-4.76	-0.003

Mode	Temperature (℃)	Frequency error (Hz)	frequency error (ppm)
WCDMA BAND V CH4182	-30	3.80	0.005
	-20	2.90	0.004
	-10	1.27	0.002
	0	0.53	0.001
	10	0.16	0.001
	20	2.51	0.003
	30	1.05	0.001
	40	2.05	0.003
	50	1.77	0.002
WCDMA BAND II CH9400	-30	5.89	0.003
	-20	6.13	0.003
	-10	3.62	0.002
	0	5.05	0.003
	10	3.90	0.002
	20	4.86	0.003
	30	1.51	0.001
	40	6.59	0.004
	50	5.82	0.003

8. Conducted spurious emissions

8.1. Block Diagram of Test Setup



8.2. Limit

The mean power of emissions must be attenuated below the mean power of the unmodulated carrier (P) on any frequency outside the frequency band by at least (43 + 10 log P) dB, in this case, -13dBm.

8.3. Test Procedure

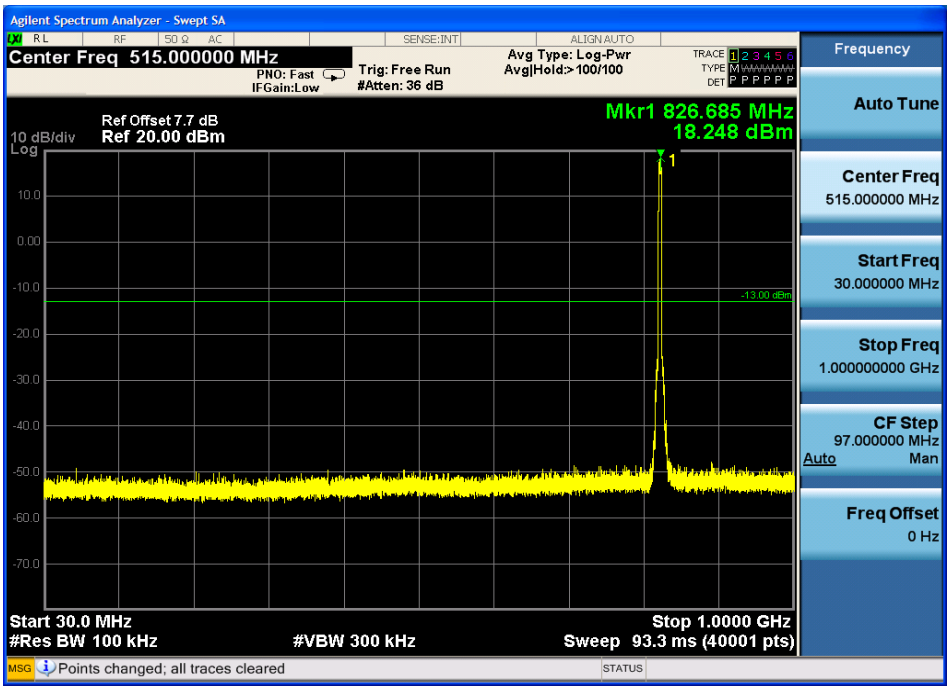
1. The EUT was connected to spectrum analyzer and base station via power divider.

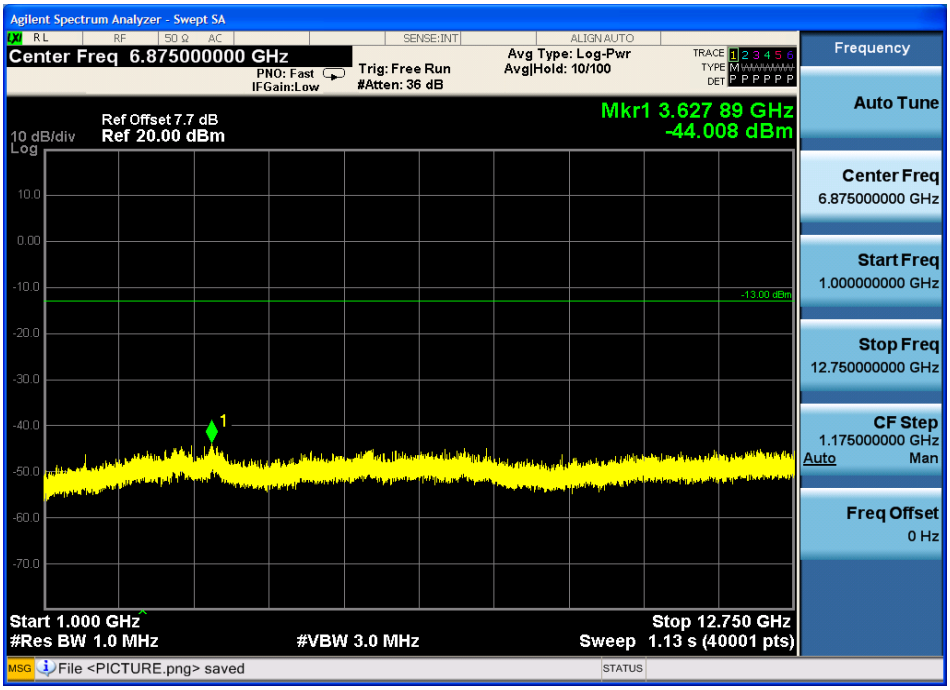
2. The low, middle and high channels of each band and mode's spurious emissions for 30MHz to 10th Harmonic were measured by Spectrum analyzer.

8.4. Test Result

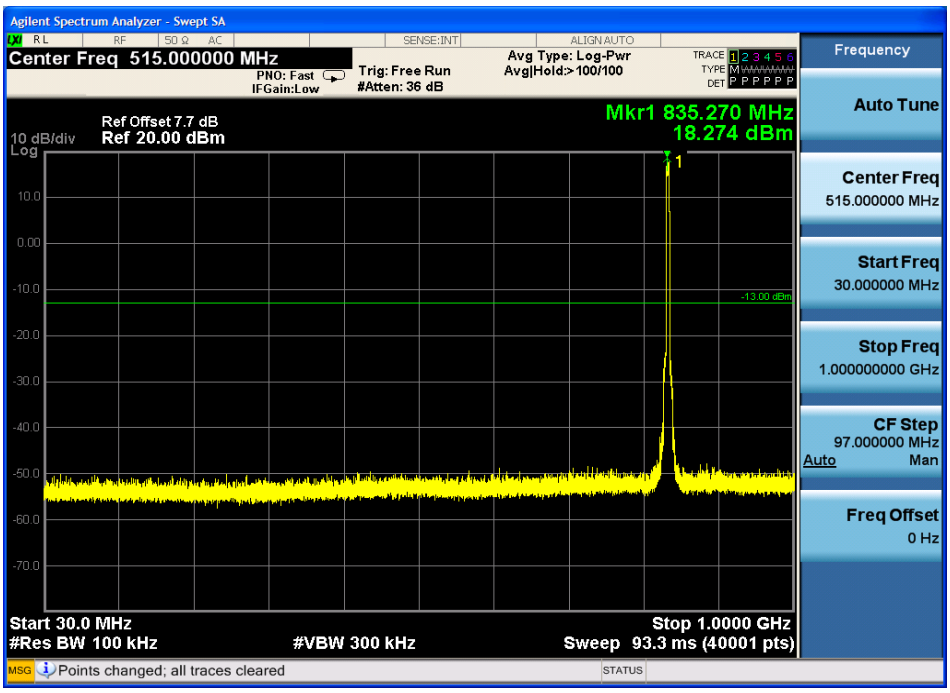
PASS

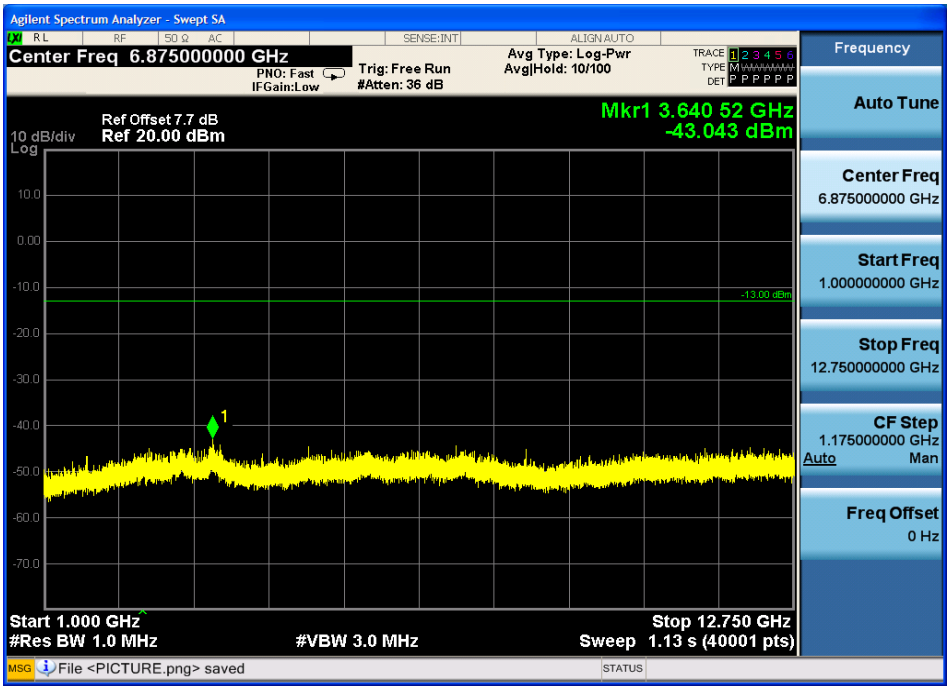
Test Mode: WCDMA BAND V CH4132



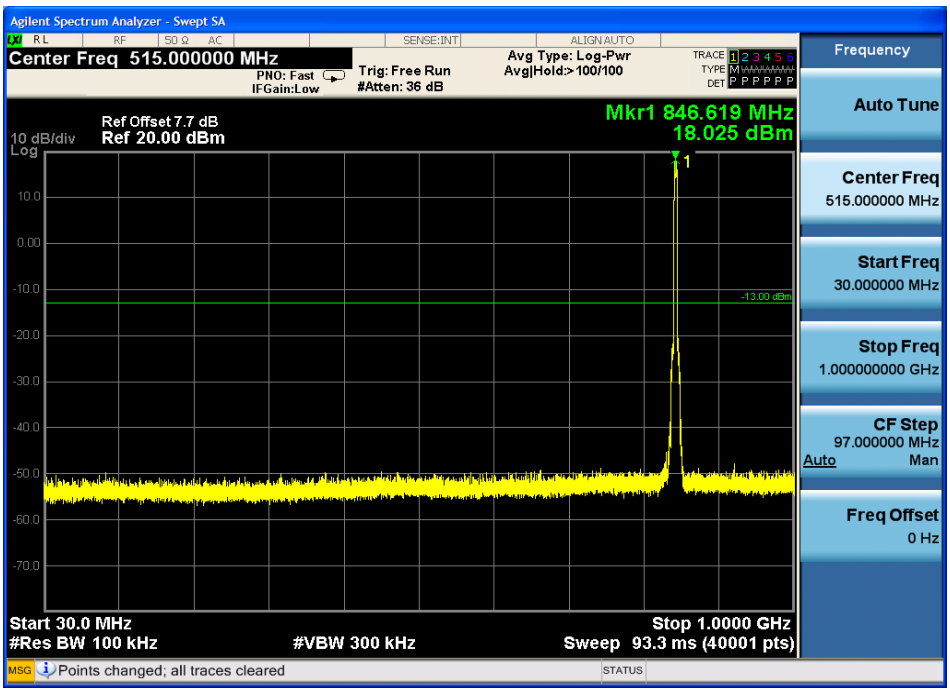


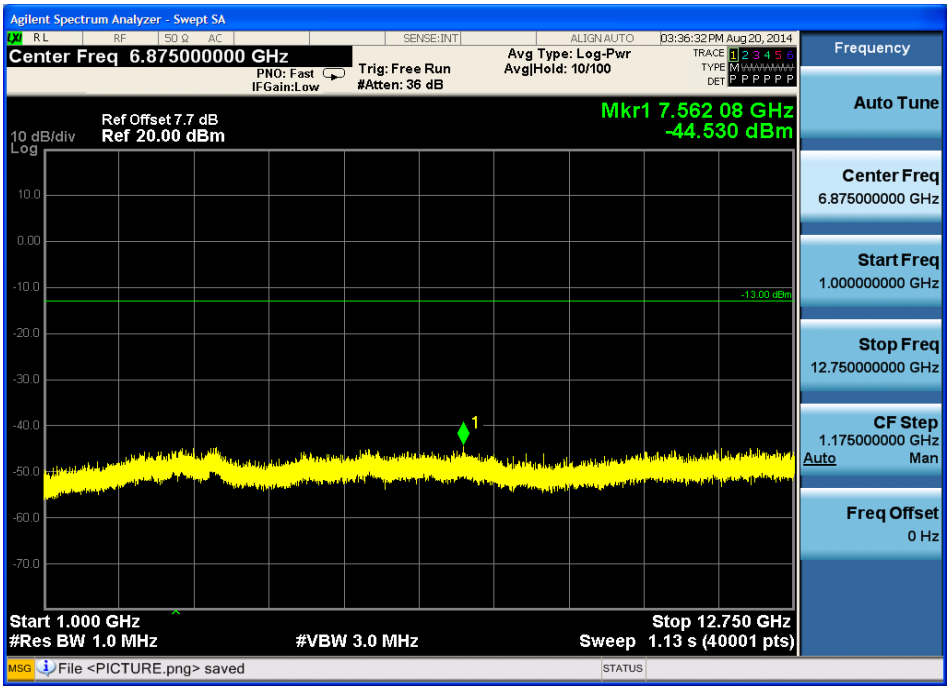
Test Mode: WCDMA BAND V CH4182



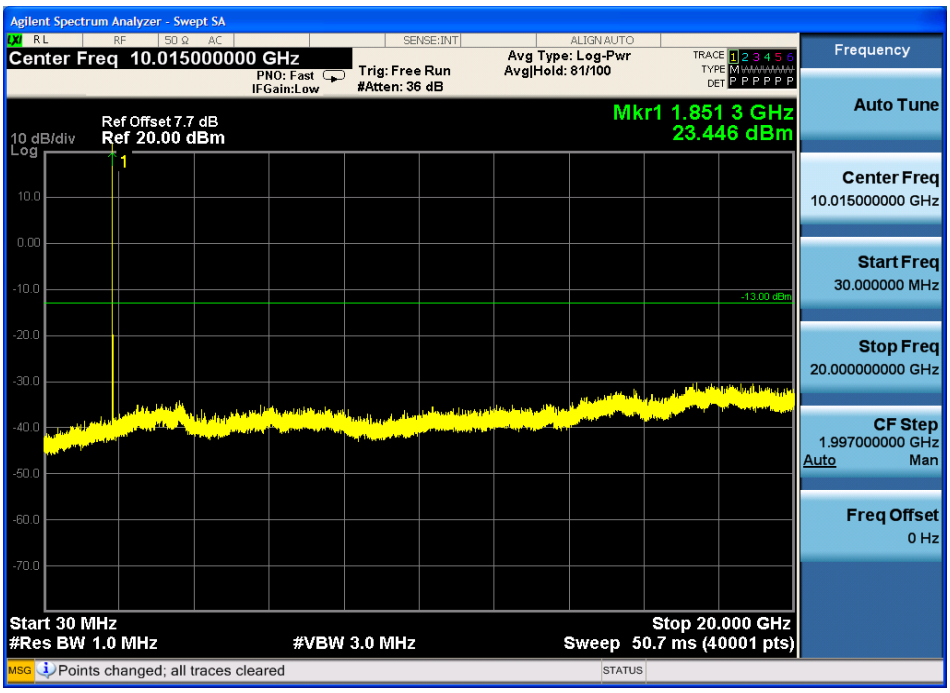


Test Mode: WCDMA BAND V CH4233

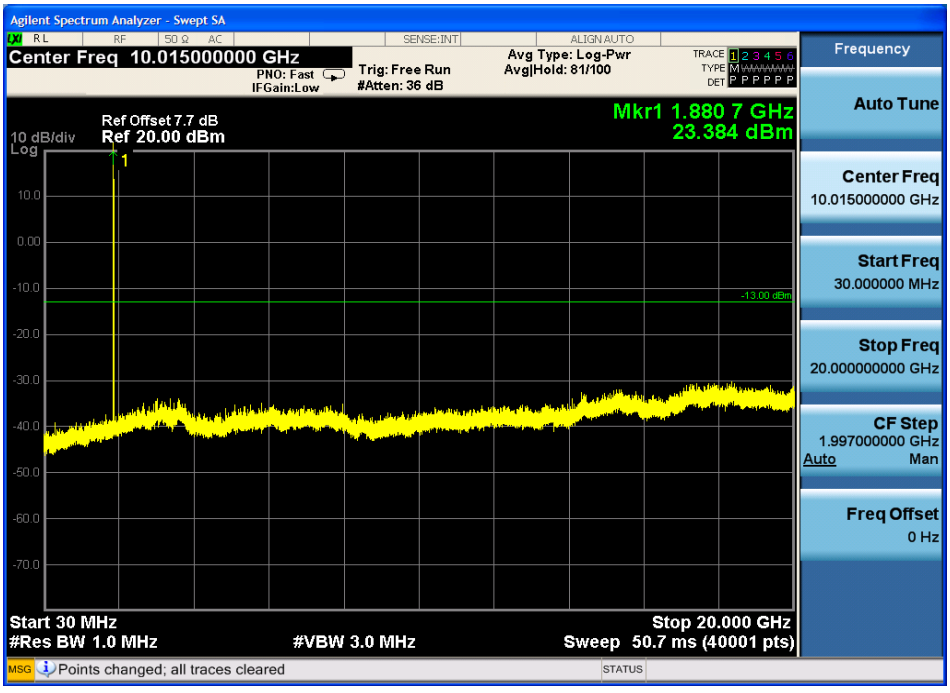




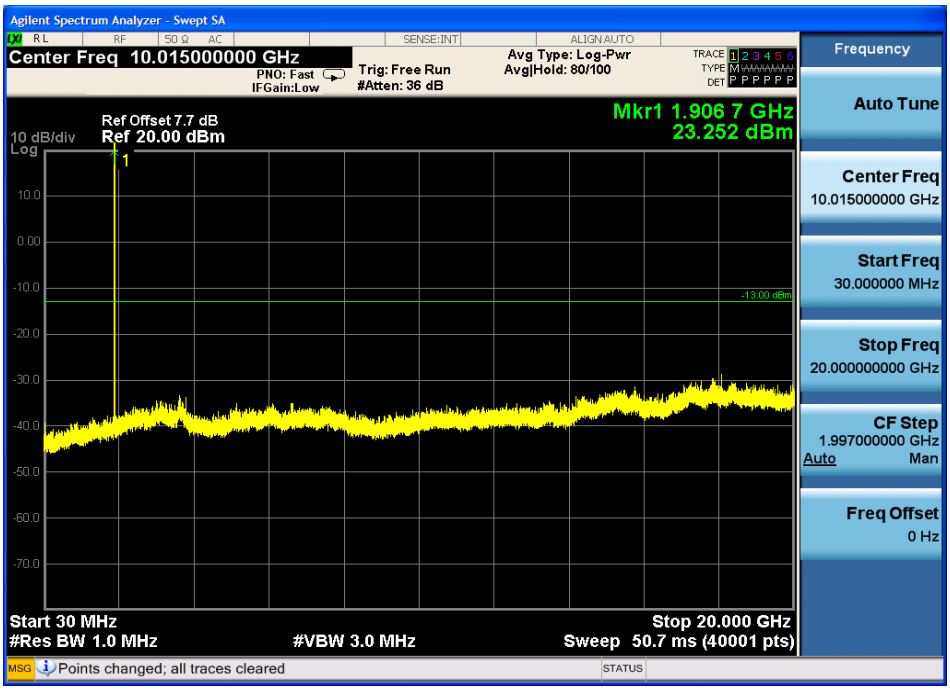
Test Mode: WCDMA BAND II CH9262



Test Mode: WCDMA BAND II CH9400

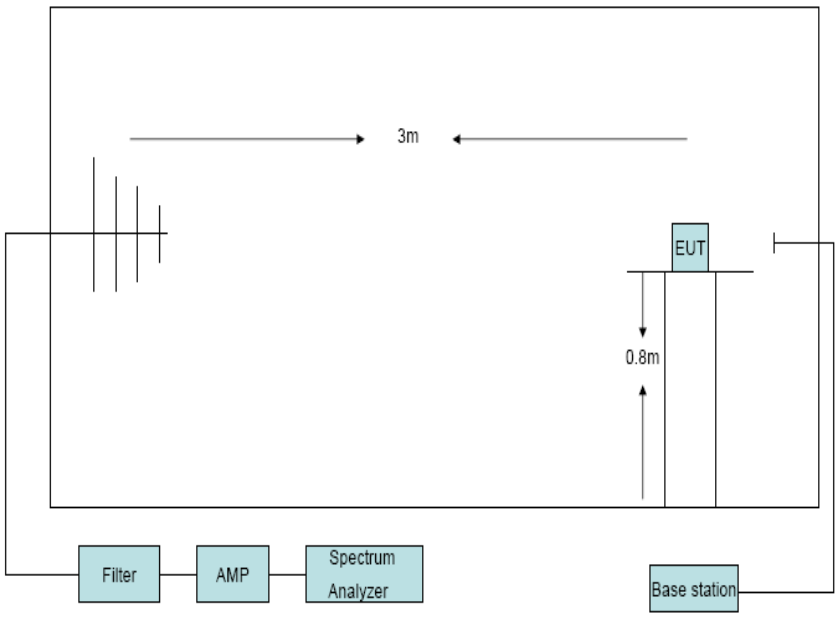


Test Mode: WCDMA BAND II CH9538



9. Radiated Spurious emissions

9.1. Block Diagram of Test Setup



9.2. Limit

The mean power of emissions must be attenuated below the mean power of the unmodulated carrier (P) on any frequency outside the frequency band by at least (43 + 10 log P) dB, in this case, -13dBm.

9.3. Test Procedure

1. The EUT was placed on a non-conductive rotating platform with 0.8 meter height in an anechoic chamber. The radiated spurious emissions from 30MHz to 10th harmonious of fundamental frequency were measured at 3m with a test antenna and a spectrum analyzer with RBW= 1MHz, VBW= 1MHz , peak detector settings.
2. During the measurement, the EUT was enforced in maximum power and linked with a base station. All the spurious emissions (record as LVL) at 3m were measured by rotation of the turntable and the test antenna raised and lowered over a range from 1 to 4 meters in both horizontally and vertically polarized orientations.
3. Final spurious emissions levels were measured by substitution method according to TIA/EIA-603-D. The EUT was replaced by dipole antenna (for frequency below 1GHz) or Horn antenna (for frequency above 1GHz) at same location with same polarize of receiver antenna and then a known power of each measure frequency from S.G. was

applied into the dipole antenna or Horn antenna through a Tx cable, and then recorded the maximum Analyzer reading through raised and lowered the test antenna. The correction factor (in dB) = S.G. - Tx Cable loss + Substitution antenna gain –Substitution antenna Loss (only for Dipole antenna) - Analyzer reading. Then final spurious emissions were calculated with the correction factor, EIRP= LVL + Correction factor and ERP = EIRP – 2.15

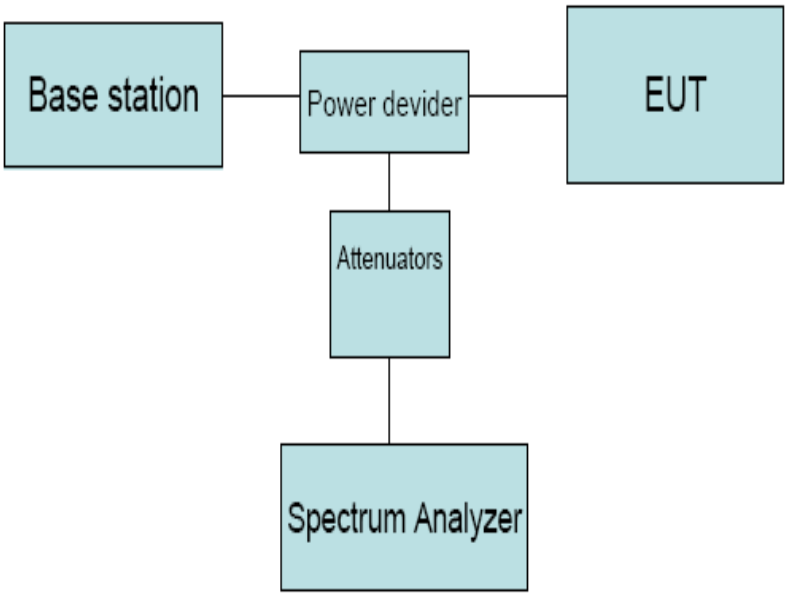
9.4. Test Result

EUT: GNSS Receiver M/N: G5						
Power: DC 3.6V from battery						
Test Date: 2016-03-24	Test site: RF Chamber		Tested by: Simple Guan			
Ambient Temperature: 24℃	Relative Humidity: 60%					
Conclusion: PASS						
Test result						
Test Mode： WCDMA BAND V CH4132						
Frequency (MHz)	Antenna polarization	LVL (dBm)	Correction factor(dB)	Result (ERP)(dBm)	Limit (dBm)	Margin (dB)
537.31	H	-55.95	-6.53	-62.48	-13	49.48
537.31	V	-59.21	-6.53	-65.74	-13	52.74
1652.8	H	-54.26	11.5	-42.76	-13	29.76
1652.8	V	-44.42	10.56	-33.86	-13	20.86
Test Mode： WCDMA BAND V CH4182						
1673.2	H	-53.67	10.94	-42.73	-13	29.73
1673.2	V	-50.09	10.9	-39.19	-13	26.19
Test mode: WCDMA BAND V CH4233						
1693.2	H	-47.02	11.67	-35.35	-13	22.35
1693.2	V	-42.71	11.13	-31.58	-13	18.58

Test Mode： WCDMA BAND II CH9262						
Frequency (MHz)	Antenna polarization	LVL (dBm)	Correction factor(dB)	Result (EIRP)(dBm)	Limit (dBm)	Margin (dB)
537.31	H	-56.6	-6.53	-63.13	-13	50.13
537.31	V	-55.6	-6.53	-62.13	-13	49.13
3704.8	H	-52.61	8.57	-44.04	-13	31.04
3704.8	V	-51.93	8.37	-43.56	-13	30.56
Test Mode：WCDMA BAND II CH9400						
3760	H	-54.73	8.75	-45.98	-13	32.98
3760	V	-52.32	8.55	-43.77	-13	30.77
Test mode: WCDMA BAND II CH9538						
3815.2	H	-54.71	8.94	-45.77	-13	32.77
3815.2	V	-52.3	8.72	-43.58	-13	30.58
Note: All the other emissions not recorded were too low to read, and deemed to comply with limit.						

10. Band Edge Compliance

10.1. Block Diagram of Test Setup



10.2. Limit

The mean power of emissions must be attenuated below the mean power of the unmodulated carrier (P) on any frequency outside the frequency band by at least (43 + 10 log P) dB, in this case, -13dBm.

10.3. Test Procedure

1. The EUT was connected to Spectrum Analyzer and Base Station via power divider.
2. The band edges of low and high channels for the highest RF powers were measured.

10.4. Test Result

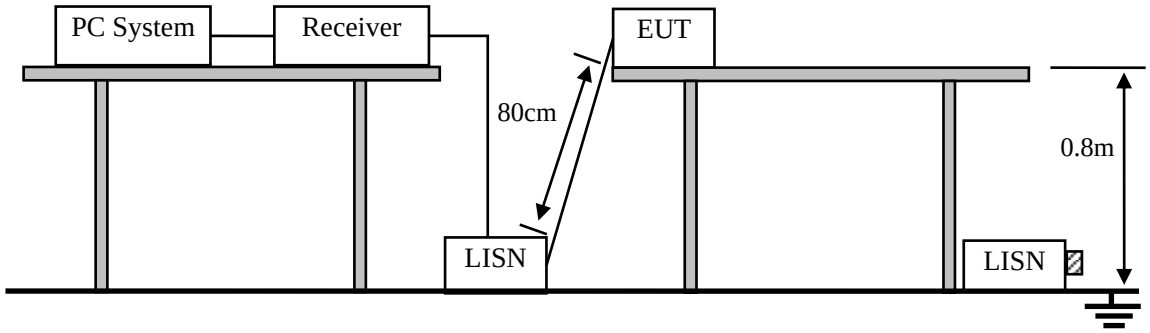
PASS

Test Mode: WCDMA BAND V

Test Mode: WCDMA BAND II

11. Power line conducted emission

11.1. Block Diagram of Test Setup



11.2. Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.

2. The lower limit shall apply at the transition frequencies.

11.3. Test Procedure

(1) The EUT was placed on a non-metallic table, 80cm above the ground plane.

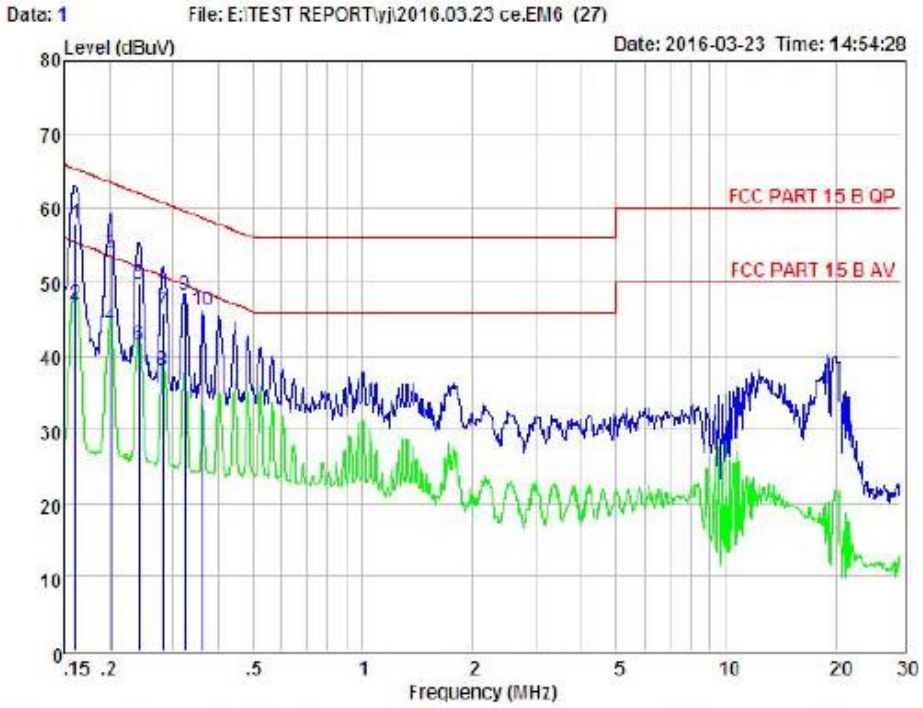
(2) Setup the EUT and simulator as shown in 10.1

(3) The EUT Power connected to the power mains through a power adapter and a line impedance stabilization network (L.I.S.N1). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N1), this provided a 50-ohm coupling impedance for the EUT (Please refer to the block diagram of the test setup and photographs). Both sides of power line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.4 2009 and ANSI C64.10:2009 on conducted Emission test.

(4) The bandwidth of test receiver is set at 10 kHz.

(5) The frequency range from 150 kHz to 30MHz is checked.

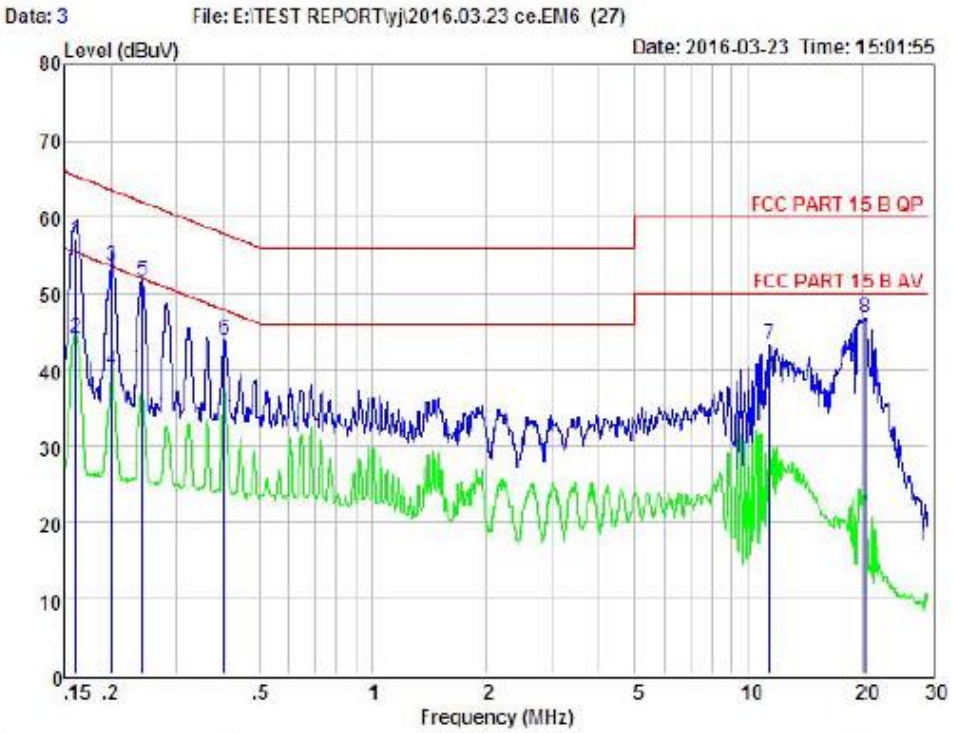
11.4.Test Result



Condition : FCC PART 15 B QP POL: LINE Temp: 25.7 ℃ Hum: 51 %
EUT :
Model No : S5
Test Mode :
Power : DC 5V from adapter with AC 120V/60Hz
Test Engineer :
Remark :

Item	Freq	Read Level	LISN Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	0.162	48.30	0.03	-9.52	0.10	57.95	65.38	-7.43	QP
2	0.162	37.30	0.03	-9.52	0.10	46.95	55.38	-8.43	Average
3	0.202	44.11	0.03	-9.52	0.10	53.76	63.54	-9.78	QP
4	0.202	34.30	0.03	-9.52	0.10	43.95	53.54	-9.59	Average
5	0.242	40.00	0.03	-9.52	0.10	49.65	62.04	-12.39	QP
6	0.242	31.70	0.03	-9.52	0.10	41.35	52.04	-10.69	Average
7	0.282	36.30	0.03	-9.56	0.10	45.99	60.76	-14.77	QP
8	0.282	28.20	0.03	-9.56	0.10	37.89	50.76	-12.87	Average
9	0.323	38.47	0.03	-9.56	0.10	48.16	59.62	-11.46	Peak
10	0.363	36.33	0.03	-9.57	0.10	46.03	58.65	-12.62	Peak

Remark: Level = Read Level + LISN Factor - Preamp Factor + Cable Loss



Condition : FCC PART 15 B QP POL: NEUTRAL Temp: 25.7 ℃ Hum: 51 %
EUT :
Model No : S5
Test Mode :
Power : DC 5V from adapter with AC 120V/60Hz
Test Engineer :
Remark :

Item	Freq	Read Level	LISN Factor	Preamp Factor	Cable Loss	Level	Limit	Margin	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dBuV	
1	0.162	47.35	0.03	-9.52	0.10	57.00	65.38	-8.38	QP
2	0.162	34.61	0.03	-9.52	0.10	44.26	55.38	-11.12	Average
3	0.201	43.91	0.03	-9.52	0.10	53.56	63.58	-10.02	QP
4	0.201	30.20	0.03	-9.52	0.10	39.85	53.58	-13.73	Average
5	0.243	42.03	0.03	-9.52	0.10	51.66	62.00	-10.32	Peak
6	0.402	34.27	0.03	-9.57	0.10	43.97	57.81	-13.84	Peak
7	11.377	33.02	0.24	-9.91	0.22	43.39	60.00	-16.61	Peak
8	20.486	36.36	0.32	-9.80	0.36	46.84	60.00	-13.16	Peak

Remark: Level = Read Level + LISN Factor - Preamp Factor + Cable Loss

---------END OF THE REPORT-------