# **FCC Report**

Applicant: Connected Holdings LLC

Address of Applicant: 4740 Von Karman Avenue, Suite 120 Newport Beach, CA

92660

**Equipment Under Test (EUT)** 

Product Name: GPS Tracker

Model No.: AR-2CX, SR-2CU, S4N-2CU, S6N-2CU, KT-2CU

FCC ID: 2AEB4AC20

Applicable standards: FCC CFR Title 47 Part 2:2014

FCC CFR Title 47 Part22 Subpart H:2014 FCC CFR Title 47 Part24 Subpart E:2014

Date of sample receipt: March 07, 2016

**Date of Test:** March 07-09, 2016

**Date of report issued:** March 10, 2016

Test Result: PASS \*

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.

# 2 Version

Version No.	Date	Description
00	March 10, 2016	Original

Prepared By:	Edward.Pan	Date:	March 10, 2016
	Project Engineer		
Check By:	hank. yan	Date:	March 10, 2016
	Reviewer		

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#### 4 **Test Summary**

Test Item	Section in CFR 47	Result
	Part 2.1046	
RF Output Power	Part 22.913 (a)(2)	Pass
	Part 24.232 (c)	
Modulation Characteristics	Part 2.1047	Pass
	Part 2.1049	
99% & -26 dB Occupied Bandwidth	Part 22.917	Pass
	Part 24.238	
	Part 2.1051	
Spurious Emissions at Antenna Terminal	Part 22.917 (a)	Pass
	Part 24.238 (a)	
	Part 2.1053	
Field Strength of Spurious Radiation	Part 22.917 (a)	Pass
	Part 24.238 (a)	
Out of hand amission, Rand Edge	Part 22.917 (a)	Pass
Out of band emission, Band Edge	Part 24.238 (a)	rass
Frequency stability vs. temperature	Part 2.1055(a)(1)(b)	Pass
Frequency stability vs. voltage	Part 2.1055(d)(1)(2)	Pass

Pass: The EUT complies with the essential requirements in the standard. Remark: Test according to ANSI C63.4:2014.

# **4.1 Measurement Uncertainty**

Test Item	Frequency Range	Measurement Uncertainty	Notes
Radiated Emission	9kHz ~ 30MHz	± 4.34dB	(1)
Radiated Emission	30MHz ~ 1000MHz	± 4.24dB	(1)
Radiated Emission	1GHz ~ 26.5GHz	± 4.68dB	(1)
AC Power Line Conducted Emission	0.15MHz ~ 30MHz	± 3.45dB	(1)

# **5** General Information

# 5.1 Client Information

Applicant:	Connected Holdings LLC
Address of Applicant:	4740 Von Karman Avenue, Suite 120 Newport Beach, CA 92660
Manufacturer:	Asiatelco Technologies Co.
Address of Manufacturer:	#289 Bisheng Road, Building-8, 3F Zhangjiang Hi-Tech Park, Pudong, Shanghai, 201204 China

# 5.2 General Description of EUT

GPS Tracker
AR-2CX, SR-2CU, S4N-2CU, S6N-2CU, KT-2CU
1xRTT
CDMA Cellular / CDMA PCS
CDMA2000 BC0: 824.70MHz ~ 848.31MHz
CDMA2000 BC1: 1851.25MHz ~ 1908.75MHz
QPSK
P4
2.0.1
Spring loaded antenna
2dBi(CDMA Cellular)
2dBi(CDMA PCS)
DC 12V

## 5.3 Related Submittal(s) / Grant (s)

This submittal(s) (test report) is filing to comply with Section Part 22 subpart H and Part 24 subpart E of the FCC CFR 47 Rules.

## 5.4 Test Methodology

Both conducted and radiated testing were performed according to the procedures document on TIA/EIA 603 and FCC CFR 47.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057

# 5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC Approval
AQUILSTAR	AC/DC Adapter	ASSA1A-120100	N/A	Verification

### 5.6 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

FCC Registration No.: 600491

No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrrial Zone, Xixiang Road, Baoan

District, Shenzhen, Guangdong, China

Tel: 0755-27798480 Fax: 0755-27798960

# 6 Test Instruments list

U	rest instruments list						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)	
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	Mar. 27 2015	Mar. 26 2016	
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A	
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	June 30 2015	June 29 2016	
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June 30 2015	June 29 2016	
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	9120D-829	GTS208	June 26 2015	June 25 2016	
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	Mar. 27 2015	Mar. 26 2016	
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	
8	Coaxial Cable	GTS	N/A	GTS213	Mar. 28 2015	Mar. 27 2016	
9	Coaxial Cable	GTS	N/A	GTS211	Mar. 28 2015	Mar. 27 2016	
10	Coaxial cable	GTS	N/A	GTS210	Mar. 28 2015	Mar. 27 2016	
11	Coaxial Cable	GTS	N/A	GTS212	Mar. 28 2015	Mar. 27 2016	
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June 30 2015	June 29 2016	
13	Amplifier(2GHz-20GHz)	HP	8349B	GTS206	June 30 2015	June 29 2016	
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 26 2015	June 25 2016	
15	Band filter	Amindeon	82346	GTS219	Mar. 28 2015	Mar. 27 2016	
16	Universal radio communication tester	Rohde & Schwarz	CMU200	GTS235	Mar. 28 2015	May 27 2016	
17	Signal Generator	Rohde & Schwarz	SML03	GTS236	Mar. 28 2015	May 27 2016	
18	Temp. Humidity/ Barometer	Oregon Scientific	BA-888	GTS248	Mar. 28 2015	May 27 2016	
19	D.C. Power Supply	Instek	PS-3030	GTS232	NA	NA	
20	Splitter	Agilent	11636B	GTS237	Mar. 28 2015	May 27 2016	
21	Power meter	Rohde & Schwarz	NRVS	GTS238	Mar. 28 2015	May 27 2016	
22	Spectrum Analyzer	Agilent	E4440A	GTS533	Dec. 3 2015	Dec. 2 2016	

# 7 System test configuration

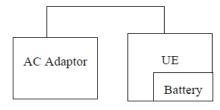
## 7.1 EUT Configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

#### 7.2 EUT Exercise

The EUT (Transmitter) was operated in the engineering mode to fix the Tx frequency which was for the purpose of the measurements.

## 7.3 Configuration of Tested System



Remote Side



# 7.4 Description of Test modes

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Frequency range investigated for radiated emission is as follows:

30 MHz to 10000 MHz for CDMA2000 BC0.

30 MHz to 20000 MHz for CDMA2000 BC1.

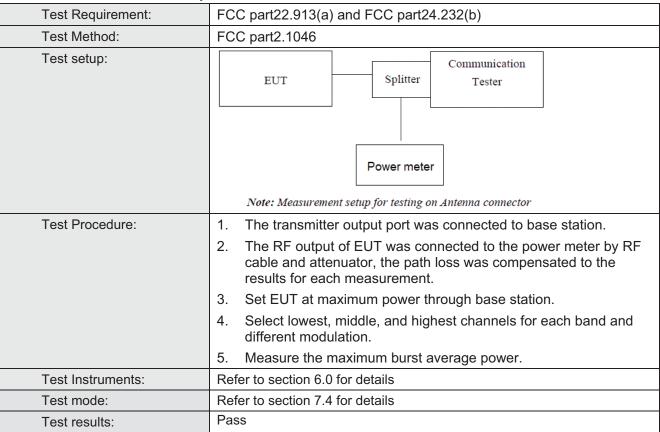
Test modes					
Band Radiated Conducted					
CDMA2000 BC0	1XRTT Link Mode	1XRTT Link Mode			
CDMA2000 BC1	1XRTT Link Mode	1XRTT Link Mode			

Note: The maximum RF output power levels are 1xRTT RC3 SO32 (+F-SCH) mode for CDMA2000 BC0 and 1xRTT RC1 SO55 mode for CDMA2000 BC1 on QPSK Link; only these modes were used for all tests.

The conducted power tables are as follows:

Conducted Power (dBm)						
Band	CI	CDMA2000 BC0			DMA2000 B	C1
Channel	1013	384	777	25	600	1175
Frequency (MHz)	824.70	836.52	848.31	1851.25	1880.00	1908.75
1xRTT RC1 SO55	23.30	23.57	23.47	23.34	23.29	23.33
1xRTT RC3 SO55	23.34	23.66	23.62	23.27	23.19	23.21
1xRTT RC3 SO32 (+F-SCH)	23.47	23.97	23.84	23.07	23.11	23.02
1xRTT RC3 SO32 (+SCH)	23.30	23.71	23.53	23.30	23.26	23.13

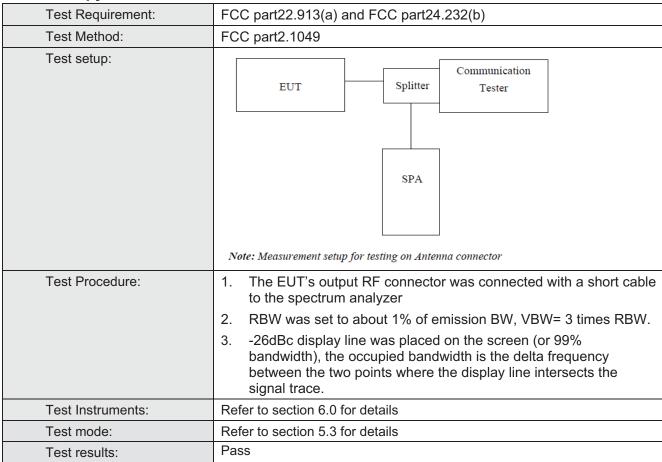
# 7.5 Conducted Peak Output Power



### Measurement Data

EUT Mode	Channel	Frequency (MHz)	PK power (dBm)
	1013	824.70	23.47
CDMA2000 BC0	384	836.52	23.97
	777	848.31	23.84
	25	1851.25	23.34
CDMA2000 BC1	600	1880.00	23.29
	1175	1908.75	23.33

## 7.6 Occupy Bandwidth



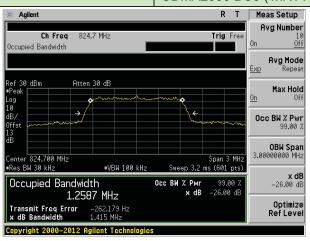
## Measurement Data

Wedsarement Data				
EUT Mode	EUT Mode Channel		99% Occupy bandwidth (MHz)	-26dB bandwidth (MHz)
	1013		1.2587	1.415
CDMA2000 BC0	384	836.52	1.2629	1.428
	777	848.31	1.2631	1.430
	25	1851.25	1.2691	1.435
CDMA2000 BC1	600	1880.00	1.2657	1.427
	1175	1908.75	1.2657	1.430

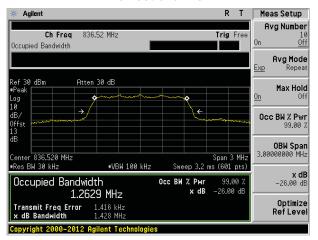
Test plot as follows:

### Test band:

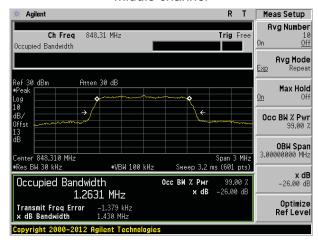
## CDMA2000 BC0 (1xRTT RC3 SO32 (+F-SCH))



#### Lowest channel



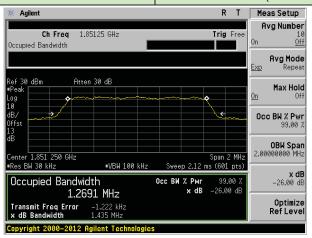
Middle channel



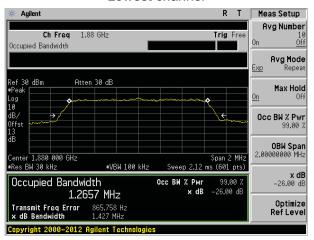
Highest channel

## Test band:

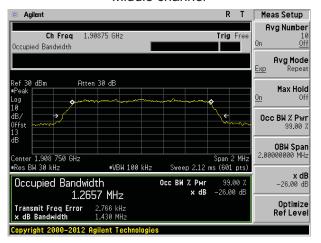
### CDMA2000 BC1 (1xRTT RC1 SO55)



#### Lowest channel



#### Middle channel

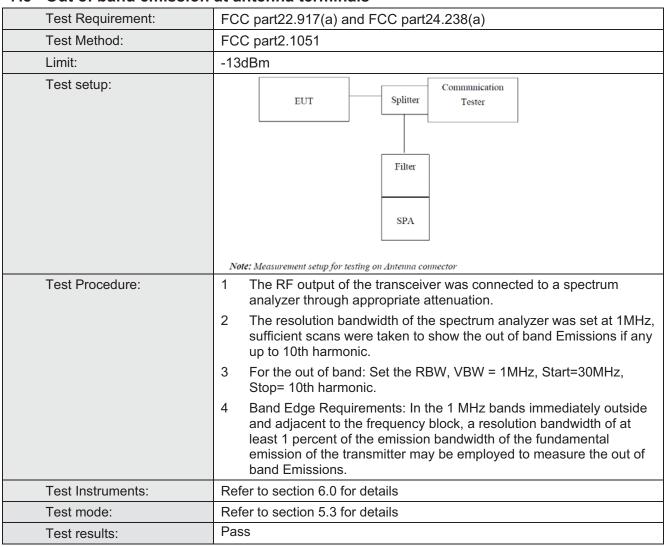


Highest channel

#### 7.7 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.

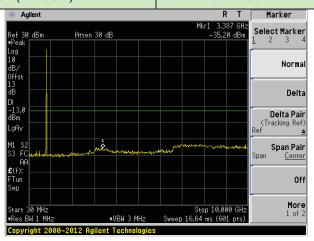
### 7.8 Out of band emission at antenna terminals



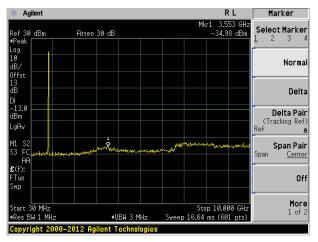
Test plot as follows:

Test Mode: 1xRTT RC3 SO32 (+F-SCH)

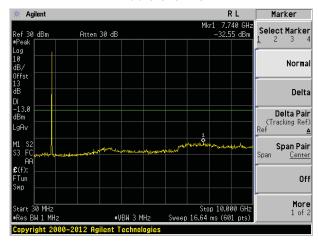
CDMA2000 BC0



### Lowest channel



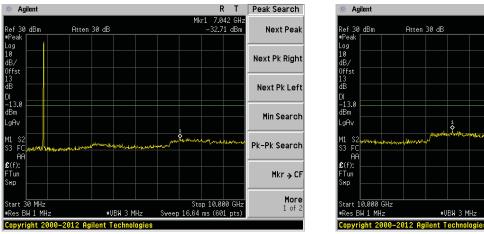
#### Middle channel

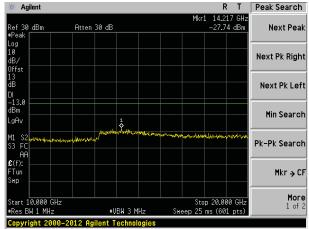


Highest channel

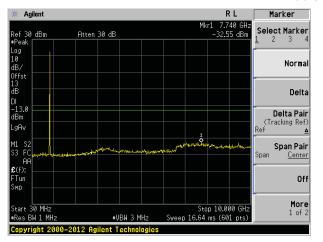
#### Test Mode: 1xRTT RC1 SO55 CDMA2000 BC1 R T Peak Search Agilent Peak Search R T Mkr1 13.700 GHz -28.44 dBm Next Peak Atten 30 dB Next Peak Next Pk Right Next Pk Right Next Pk Left Next Pk Left Min Search Min Search gAv gAv. Pk-Pk Search Pk-Pk Search Tun Mkr → CF Tun Mkr → CF More 1 of 2 More 1 of 2 Stop 10.000 GHz Sweep 16.64 ms (601 pts) Stop 20.000 GHz Sweep 25 ms (601 pts) tart 10,000 GHz #VBW 3 MHz ≢VBW 3 MHz Copyright 2000-2012 Agilent Technologies Copyright 2000-2012 Agilent Technologies

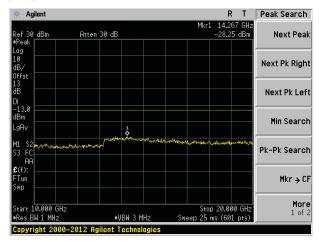
#### Lowest channel





### Middle channel



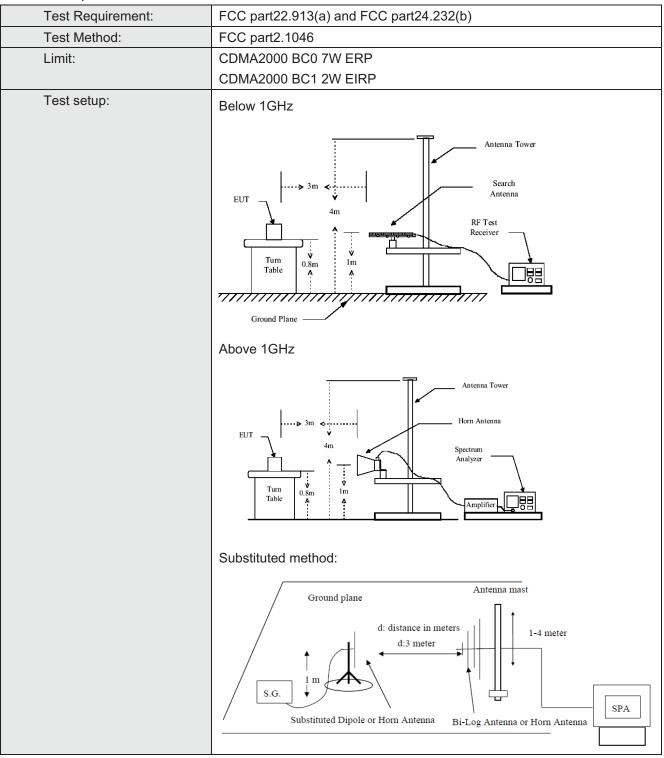


Highest channel

#### Band Edge: Test Mode: 1xRTT RC3 SO32 (+F-SCH) **CDMA2000 BC0** R T Peak Search \* Agilent R T Peak Search Mkr1 849.000 MHz -14.80 dBm 824.000 MHz -16.33 dBm Atten 30 dB Next Peak Atten 30 dB Next Peak Next Pk Right Next Pk Right Next Pk Left Next Pk Left Min Search Min Search Pk-Pk Search Pk-Pk Search Mkr → CF Mkr → CF Span 2 MHz #Sweep 100 ms (601 pts) Span 2 MHz #Sweep 100 ms (601 pts) More 1 of 2 Center 849.000 MHz ≢Res BW 20 kHz ≠VBW 62 kHz ≢VBW 62 kHz Copyright 2000-2012 Agilent Technologies Highest channel Lowest channel Test Mode: 1xRTT RC1 SO55 CDMA2000 BC1 R T Peak Search Agilent R T Peak Search Mkr1 1.850 000 GHz -29.00 dBm Mkr1 1.910 000 GHz -31.46 dBm Ref 30 dBm •Avg Atten 30 dB Next Peak Atten 30 dB Next Peak Next Pk Right Next Pk Right Next Pk Left Next Pk Left Min Search Min Search Pk-Pk Search Pk-Pk Search Mkr → CF Mkr → CF More 1 of 2 Span 2 MHz #Sweep 100 ms (601 pts) More 1 of 2 Span 2 MHz #Sweep 100 ms (601 pts) 1.850 000 GHz 1.910 000 GHz ≢VBW 62 kHz

Lowest channel Highest channel

# 7.9 ERP, EIRP Measurement



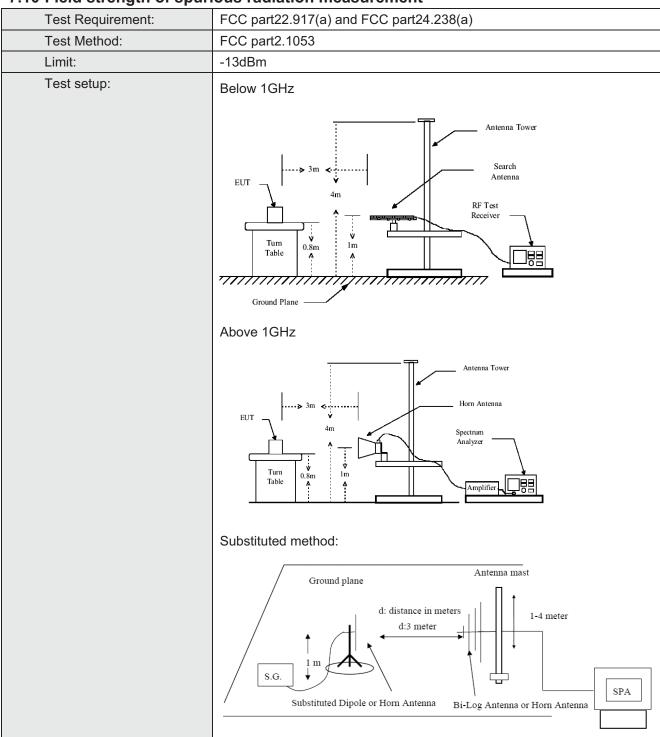
Test Procedure:	The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.		
	2. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.		
	3. ERP in frequency band 824.2 –848.80.8MHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated asfollows:		
	ERP = S.G. output (dBm) + Antenna Gain (dBd) – Cable Loss (dB)		
	4. EIRP in frequency band 1850.2 –1909.8MHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:		
	EIRP = S.G. output (dBm) + Antenna Gain (dBi) – Cable Loss (dB)		
Test Instruments:	Refer to section 6.0 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Pass		

Measurement Data

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
			V	24.63		Pass
		Н	Н	22.65		
	Lowest	E1	V	19.22	38.45	
	Lowest	<u> </u>	Н	22.77	30.45	
		E2	V	18.64		
		E2	Н	21.27		
		Н	V	24.72		Pass
CDMA2000	Middle	П	Н	22.72	38.45	
BC0 (1xRTT		E1	V	19.36		
RC3 SO32			Н	22.93		
(+F-SCH))		E2	V	19.82		
			Н	21.76		
		Н	V	23.60		Pass
		11	Н	21.21	38.45	
	Highost	E1	V	17.97		
	Highest	-	Н	20.88		
		F2	V	17.31		
		E2	Н	20.76		

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result	
		Н	V	23.86		Pass	
			Н	21.78			
	Lowest	E1	V	18.25	33.00		
	Lowest	<u></u> □ I	Н	21.70	33.00		
		E2	V	17.47			
		E2	Н	20.00			
		Н	V	23.60		Pass	
	Middle	П	Н	21.38	33.00		
CDMA2000		E1	V	17.89			
BC1 (1xRTT RC1 SO55)			Н	21.36			
,		E2	V	18.50			
			Н	20.34			
		Н	V	23.49	33.00		
		П	Н	20.01			
	∐ighost	E1	V	16.68			
	Highest		Н	19.48		Pass	
		F0	V	16.37			
			E2	Н	19.71		

# 7.10 Field strength of spurious radiation measurement



Test Procedure:	The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.
	<ol> <li>During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.</li> </ol>
	<ol> <li>The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels).</li> <li>Once spurious emission was identified, the power of the emission was determined using the substitution method.</li> </ol>
	4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.
	ERP / EIRP = S.G. output (dBm) + Antenna Gain(dB/dBi) –
	Cable Loss (dB)
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data

Test mode:		CDMA2000 BC0 (1xRTT RC3 SO32 (+F-SCH))		Lowest	
F (NALL)	Spurious	Emission	L' '( ( / ID )	D II	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
1649.40	Vertical	-36.13			
2474.10	V	-38.86			
3298.80	V	-41.11	-13.00	Pass	
4123.50	V	-43.27	-		
4948.20	V				
1649.40	Horizontal	-41.35			
2474.10	Н	-45.21			
3298.80	Н	-46.77	-13.00	Pass	
4123.50	Н	-49.50			
4948.20	Н				
Test mode:	CDMA2000 BC0 ( (+F-S		Test channel:	Middle	
Frequency (MHz)	Spurious	Emission	Limit (dBm)	Dogult	
riequency (MHZ)	Polarization	Level (dBm)	LIIIII (UDIII)	Result	
1673.04	Vertical	-37.46			
2509.56	V	-39.73			
3346.08	V	-41.62	-13.00	Pass	
4182.60	V	-43.42			
5019.12	V				
1673.04	Horizontal	-41.82		Pass	
2509.56	Н	-45.04			
3346.08	Н	-46.34	-13.00		
4182.60	Н	-48.61			
5019.12	Н				
Test mode:	CDMA2000 BC0 ( (+F-S		Test channel:	Highest	
Fraguency (MHz)	Spurious	Emission	Limit (dDm)	Dooult	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
1696.62	Vertical	-37.67			
2544.93	V	-39.69			
3393.24	V	-41.36	-13.00	Pass	
4241.55	V	-42.97	]		
5089.86	V				
1696.62	Horizontal	-41.55			
2544.93	Н	-44.41			
3393.24	Н	-45.57	-13.00	Pass	
4241.55	Н	-47.59			
5089.86	Н				

Test mode:	CDMA2000 BC1 (	1xRTT RC1 SO55)	Test channel:	Lowest	
Frequency (MHz)	Spurious	Emission	Limit (dDm)	Result	
riequency (MHZ)	Polarization	Level (dBm)	Limit (dBm)	Nesuit	
3702.50	Vertical	-36.96			
5553.75	V	-39.35			
7405.00	V	-41.32	-13.00	Pass	
9256.25	V	-43.22			
11107.50	V				
3702.50	Horizontal	-41.54			
5553.75	Н	-44.92			
7405.00	Н	-46.28	-13.00	Pass	
9256.25	Н	-48.65			
11107.50	Н				
Test mode:	CDMA2000 BC1 (	1xRTT RC1 SO55)	Test channel:	Middle	
Eroguepov (MUz)	Spurious	Emission	Limit (dDm)	Dooult	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
3760.00	Vertical	-34.64			
5640.00	V	-37.11		Pass	
7520.00	V	-39.15	-13.00		
9400.00	V	-41.12			
11280.00	V				
3760.00	Horizontal	-39.39		Pass	
5640.00	Н	-42.87			
7520.00	Н	-44.29	-13.00		
9400.00	Н	-46.75			
11280.00	Н				
Test mode:	CDMA2000 BC1 (	1xRTT RC1 SO55)	Test channel:	Highest	
Fragueray (MIII-)	Spurious	Emission	Limeit (dDms)	Decult	
Frequency (MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
3817.50	Vertical	-35.84			
5726.25	V	-38.23			
7635.00	V	-40.21	-13.00	Pass	
9543.75	V	-42.11			
11452.50	V				
3817.50	Horizontal	-40.43		Pass	
5726.25	Н	-43.82			
7635.00	Н	-45.18	-13.00		
9543.75	Н	-47.56		. 400	
11452.50	Н				

### Remark:

- The emission behaviour belongs to narrowband spurious emission.
   Remark"---" means that the emission level is too low to be measured
- 2. The emission levels of below 1 GHz are very lower than the limit and not show in test report.

# 7.11 Frequency stability V.S. Temperature measurement

Test Requirement:	FCC Part2.1055(a)(1)(b)			
Test Method:	FCC Part2.1055(a)(1)(b)			
Limit:	2.5ppm			
Test setup:	Spectrum analyzer  EUT  Att.  Variable Power Supply			
Test procedure:	Note: Measurement setup for testing on Antenna connector      The equipment under test was connected to an external DC power supply and input rated voltage.			
	2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators.			
	3. The EUT was placed inside the temperature chamber.			
	4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency.			
	5. Turn EUT off and set the chamber temperature to -20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency.			
	6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.			
Test Instruments:	Refer to section 6.0 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Pass			

Measurement Data

Reference Frequency: CDMA2000 BC0 (1xRTT RC3 SO32 (+F-SCH)) Middle channel=384 channel=836.52MHz						
Power supplied	Temperature (°C)	Frequer	ncy error	Limit (nnm)	Result	
(Vdc)	remperature ( C)	Hz	ppm	Limit (ppm)		
	-30	37	0.0447			
	-20	41	0.0493			
	-10	36	0.0431			
	0	31	0.0370			
12.0	10	35	0.0416	2.5	Pass	
	20	31	0.0370			
	30	46	0.0555			
	40	43	0.0509			
	50	41	0.0493			
Reference Frequen	cy: CDMA2000 BC1	(1xRTT RC1 SO5	5) Middle chann	el=600 channel	=1880.00MHz	
Power supplied	Temperature (°C)		ncy error	Limit (ppm)	Result	
(Vdc)	Temperature ( C)	Hz	ppm	Limit (ppin)	Result	
	-30	56	0.0296			
	-20	70	0.0370			
	-10	56	0.0296			
	0	44	0.0234			
12.0	10	56	0.0296	2.5	Pass	
	20	46	0.0246			
	30	86	0.0457			
	40	72	0.0382			
	50	67	0.0358			

# 7.12 Frequency stability V.S. Voltage measurement

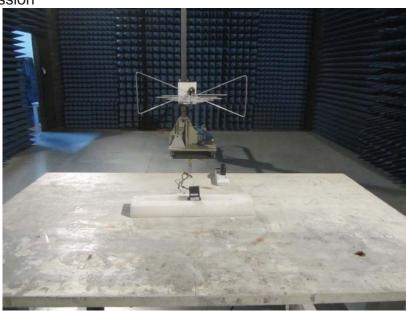
	U. Foliage measurement
Test Requirement:	FCC Part2.1055(d)(1)(2)
Test Method:	FCC Part2.1055(d)(1)(2)
Limit:	2.5ppm
Test setup:	Spectrum analyzer  EUT  Att.  Variable Power Supply
	Note: Measurement setup for testing on Antenna connector
Test procedure:	<ol> <li>Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage.</li> <li>Set the spectrum analyzer RBW low enough to obtain the desired</li> </ol>
	frequency resolution and recorded the frequency.
	3. Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

# Measurement Data

	model of the Bala						
Reference Frequency: CDMA2000 BC0 (1xRTT RC3 SO32 (+F-SCH)) Middle channel=384 channel=836.52MHz							
Tomporatura (°C)	Power supplied	Freque	ncy error	Limait (mma)	Dooult		
Temperature (°C)	(Vdc)	Hz	ppm	Limit (ppm)	Result		
	10.2	37	0.0438				
25	12.0	40	0.0475	2.5	Pass		
	13.8	43	0.0512				
Reference Freque	ency: CDMA2000 BC	1 (1xRTT RC1 SC	D55) Middle chan	nel=600 channe	=1880MHz		
Tomporature (°C)	Power supplied	Frequency error		Limit (mmm)	Decult		
Temperature (°C)	(Vdc)	Hz	ppm	Limit (ppm)	Result		
	10.2	57	0.0301				
25	12.0	67	0.0355	2.5	Pass		
	13.8	67	0.0355				

# 8 Test Setup Photo

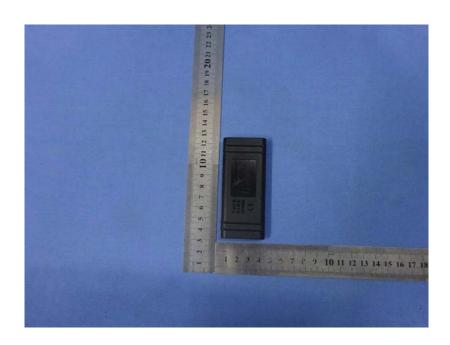
Radiated Emission

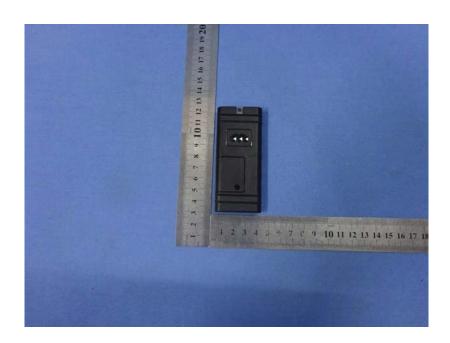


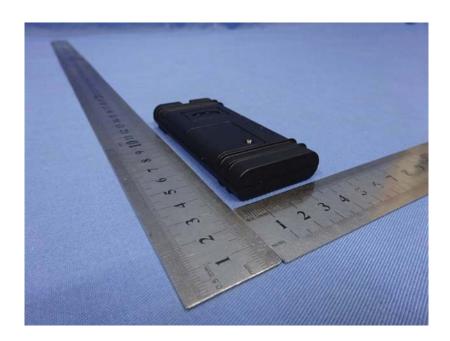


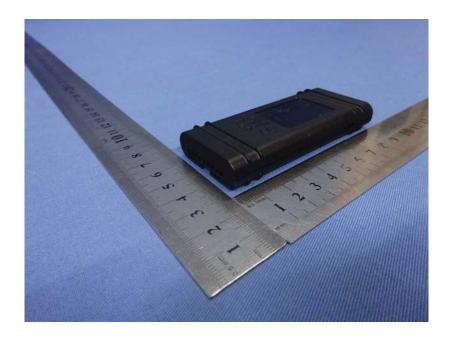
# 9 EUT Constructional Details

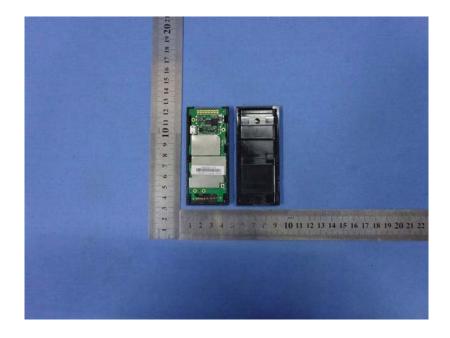


















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