A2. WCDMA

Peak-to-Average Ratio

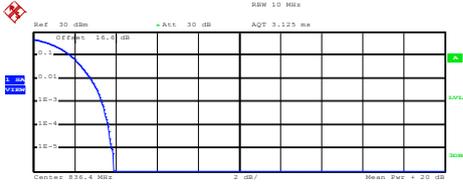| Mode	WCDMA Band V	WCDMA Band II	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	2.96	3.36	
Middle CH	3.32	3.24	**PASS**
Highest CH	3.28	3.52	

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**

Complementary Cumulative Distribution Function (100000 samples)
Trace 1
Mean   18.75 dBm
Peak   22.21 dBm
Crest   3.46 dB

10 %   1.68 dB
1 %   2.48 dB
.1 %   2.96 dB
.01 %   3.24 dB
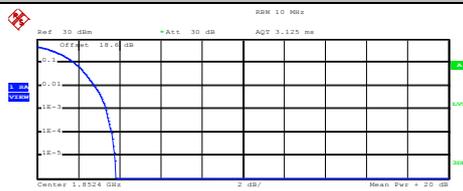
Date: 4.NOV.2015 10:43:45

Complementary Cumulative Distribution Function (100000 samples)
Trace 1
Mean   20.49 dBm
Peak   24.33 dBm
Crest   3.84 dB

10 %   1.80 dB
1 %   2.80 dB
.1 %   3.36 dB
.01 %   3.64 dB

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Middle Channel	**Middle Channel**

Complementary Cumulative Distribution Function (100000 samples)
Trace 1
Mean   19.00 dBm
Peak   22.92 dBm
Crest   3.91 dB

10 %   1.80 dB
1 %   2.76 dB
.1 %   3.32 dB
.01 %   3.64 dB
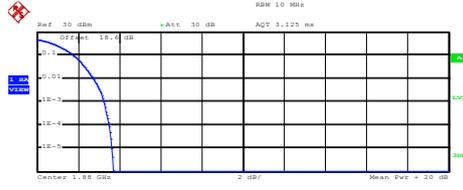
Date: 4.NOV.2015 10:43:59

Complementary Cumulative Distribution Function (100000 samples)
Trace 1
Mean   21.33 dBm
Peak   25.03 dBm
Crest   3.70 dB

10 %   1.76 dB
1 %   2.72 dB
.1 %   3.24 dB
.01 %   3.52 dB

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Highest Channel	**Highest Channel**

Complementary Cumulative Distribution Function (100000 samples)
Trace 1
Mean   19.14 dBm
Peak   22.99 dBm
Crest   3.84 dB

10 %   1.80 dB
1 %   2.72 dB
.1 %   3.28 dB
.01 %   3.56 dB
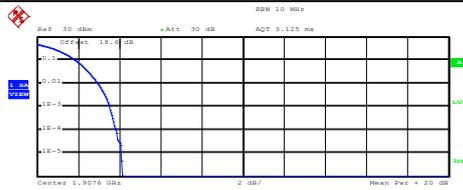
Date: 4.NOV.2015 10:44:10

Complementary Cumulative Distribution Function (100000 samples)
Trace 1
Mean   20.06 dBm
Peak   24.19 dBm
Crest   4.12 dB

10 %   1.88 dB
1 %   2.96 dB
.1 %   3.52 dB
.01 %   3.84 dB

Date: 4.NOV.2015 11:00:02

26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.74	4.67
Middle CH	4.68	4.69
Highest CH	4.71	4.68
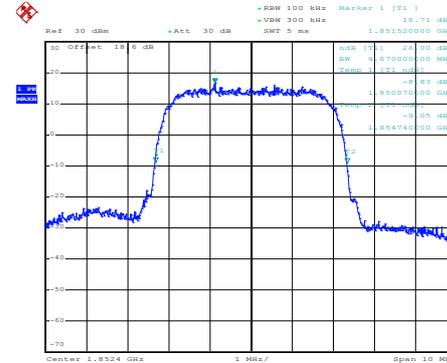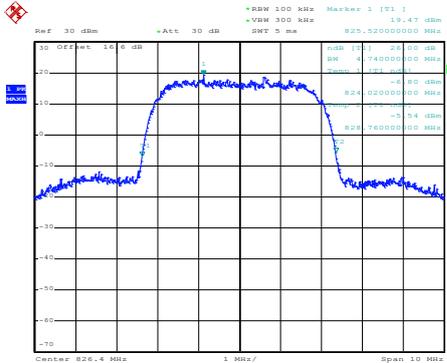
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
Date: 4.NOV.2015 10:31:21	Date: 4.NOV.2015 10:46:01
Middle Channel	**Middle Channel**
Date: 4.NOV.2015 10:31:55	Date: 4.NOV.2015 10:46:29
Highest Channel	**Highest Channel**
Date: 4.NOV.2015 10:32:27	Date: 4.NOV.2015 10:46:57
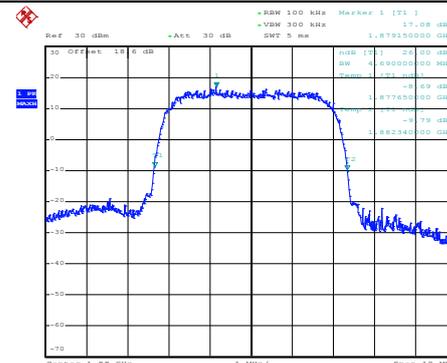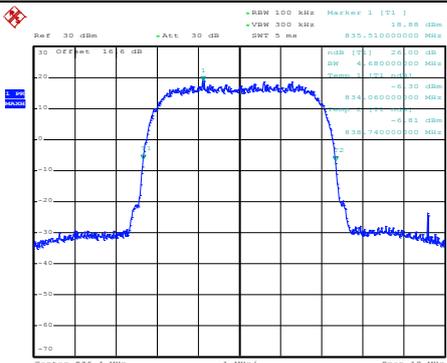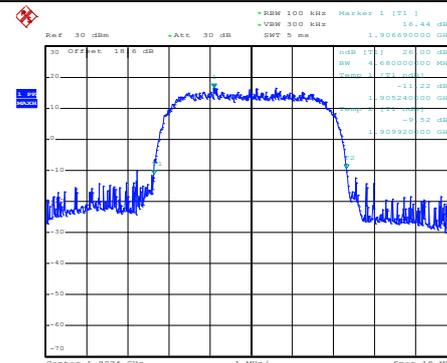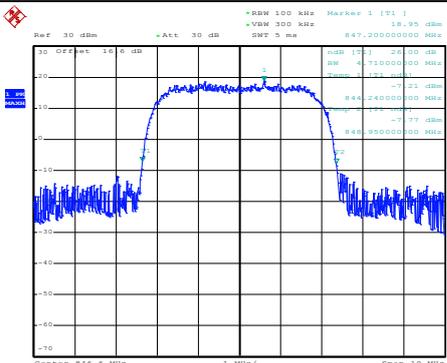
Occupied Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.16	4.16
Middle CH	4.17	4.16
Highest CH	4.16	4.16

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**
Date: 4.NOV.2015 10:35:02	Date: 4.NOV.2015 10:49:26
Middle Channel	**Middle Channel**
Date: 4.NOV.2015 10:35:31	Date: 4.NOV.2015 10:49:54
Highest Channel	**Highest Channel**
Date: 4.NOV.2015 10:35:59	Date: 4.NOV.2015 10:50:22
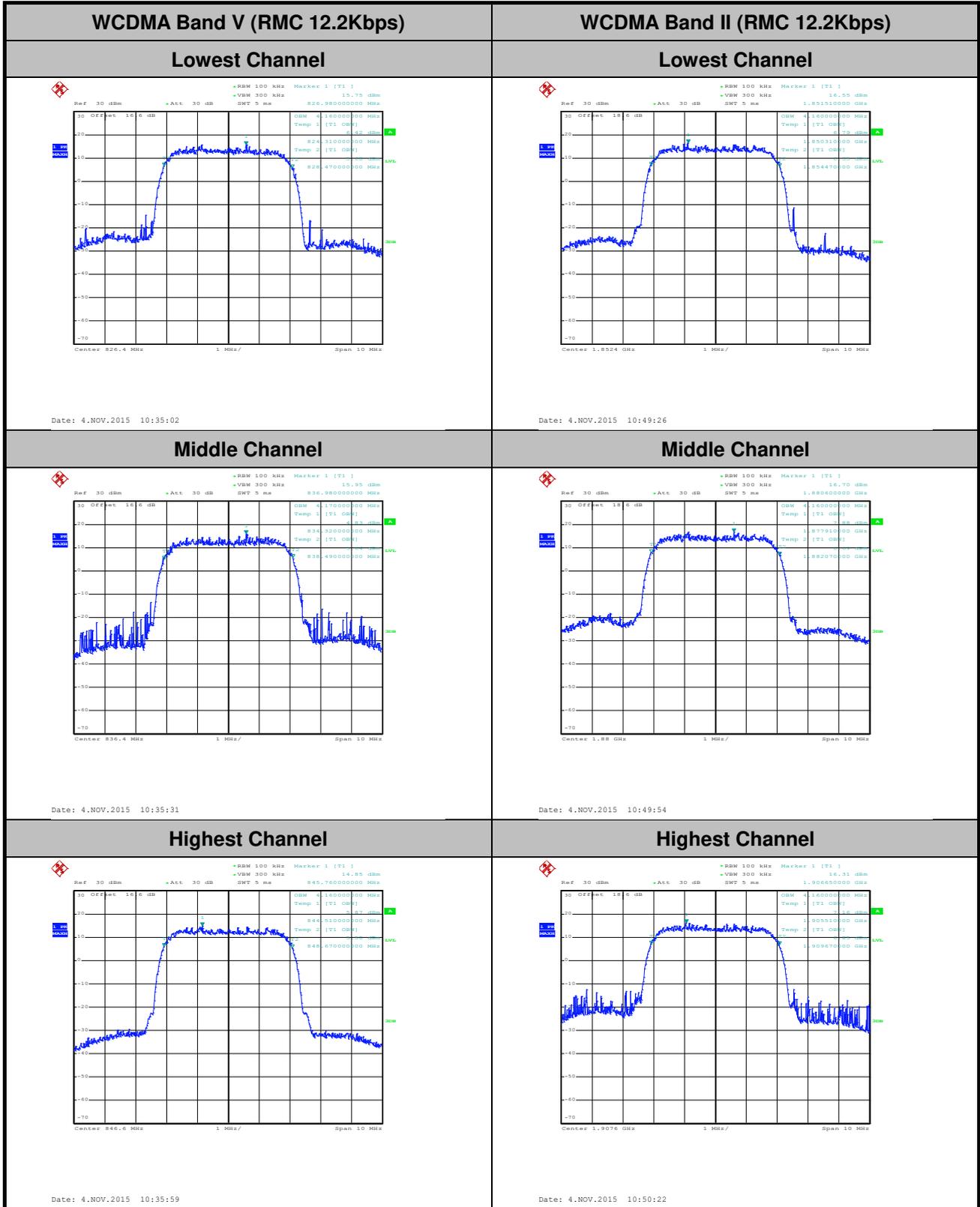
Conducted Band Edge

WCDMA Band V (RMC 12.2Kbps)	
Lowest Band Edge	**Highest Band Edge**

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.529000 M	-31.28	-18.28
823.000 M	824.000 M	50.00 k	823.996000 M	-33.52	-20.52
824.000 M	829.000 M	100.00 k	825.475000 M	5.35	-29.65

Date: 4.NOV.2015 10:38:55

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
844.000 M	849.000 M	100.00 k	845.895000 M	5.53	-29.47
849.000 M	850.000 M	50.00 k	849.076000 M	-32.62	-19.62
850.000 M	855.000 M	100.00 k	850.090000 M	-39.62	-26.62
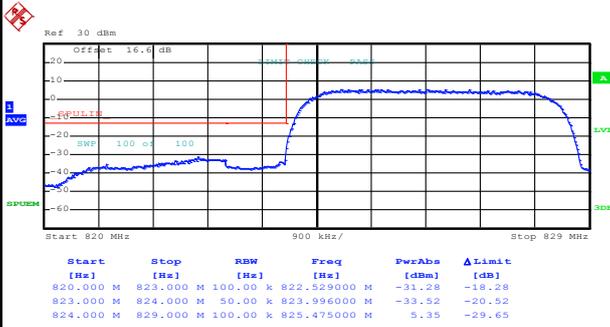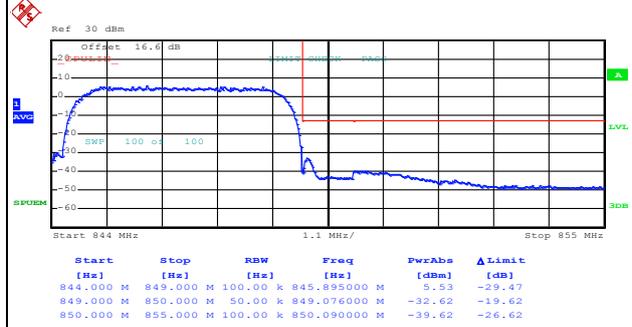
Date: 4.NOV.2015 10:41:38

WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge	Highest Band Edge
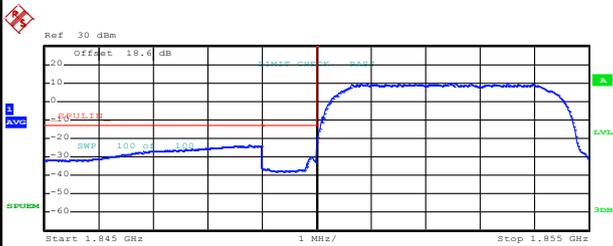
Start	Stop	RBW	Freq	PwrAbs	ΔLimit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]
1.845 G	1.849 G	1.00 M	1.848756 G	-23.67	-10.67
1.849 G	1.850 G	50.00 k	1.849916 G	-29.68	-16.68
1.850 G	1.855 G	100.00 k	1.850910 G	9.93	-25.07

Date: 2.DEC.2015 16:50:27
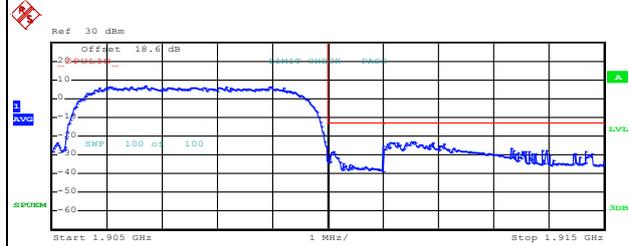
Start	Stop	RBW	Freq	PwrAbs	ΔLimit
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]
1.905 G	1.910 G	100.00 k	1.906690 G	6.68	-28.32
1.910 G	1.911 G	50.00 k	1.910104 G	-28.18	-15.18
1.911 G	1.915 G	1.00 M	1.911560 G	-22.93	-9.93

Date: 4.NOV.2015 10:56:15

Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	**Lowest Channel**

Date: 4.NOV.2015 10:42:25

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Limit [dB]
30.000 M	820.000 M	1.00 M	819.802500 M	-35.09	-22.09
855.000 M	1.000 G	1.00 M	860.147500 M	-42.23	-29.23
1.000 G	3.000 G	1.00 M	2.959000 G	-41.28	-28.28
3.000 G	7.000 G	1.00 M	3.002000 G	-37.73	-24.73
7.000 G	9.000 G	1.00 M	7.649500 G	-35.23	-22.23

Date: 4.NOV.2015 10:57:04

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Limit [dB]
30.000 M	1.000 G	1.00 M	929.675000 M	-41.20	-28.20
1.000 G	1.845 G	1.00 M	1.844578 G	-33.44	-20.44
1.915 G	3.000 G	1.00 M	2.990506 G	-38.96	-25.96
3.000 G	7.000 G	1.00 M	3.607000 G	-36.03	-23.03
7.000 G	13.600 G	1.00 M	10.219150 G	-33.08	-20.08
13.600 G	19.100 G	1.00 M	15.211500 G	-24.34	-11.34

Middle Channel	**Middle Channel**

Date: 4.NOV.2015 10:42:55

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Limit [dB]
30.000 M	820.000 M	1.00 M	808.742500 M	-41.73	-28.73
855.000 M	1.000 G	1.00 M	901.001253 M	-41.93	-28.93
1.000 G	3.000 G	1.00 M	2.996000 G	-41.45	-28.45
3.000 G	7.000 G	1.00 M	3.004000 G	-37.75	-24.75
7.000 G	9.000 G	1.00 M	7.557500 G	-35.32	-22.32

Date: 4.NOV.2015 10:57:34

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Limit [dB]
30.000 M	1.000 G	1.00 M	984.722500 M	-40.79	-27.79
1.000 G	1.845 G	1.00 M	1.064642 G	-40.11	-27.11
1.915 G	3.000 G	1.00 M	2.963110 G	-38.78	-25.78
3.000 G	7.000 G	1.00 M	3.002000 G	-36.13	-23.13
7.000 G	13.600 G	1.00 M	10.215850 G	-33.15	-20.15
13.600 G	19.100 G	1.00 M	15.177813 G	-24.19	-11.19

Highest Channel	**Highest Channel**

Date: 4.NOV.2015 10:43:25

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Limit [dB]
30.000 M	820.000 M	1.00 M	556.930000 M	-43.38	-30.38
855.000 M	1.000 G	1.00 M	877.148752 M	-42.16	-29.16
1.000 G	3.000 G	1.00 M	2.892500 G	-40.62	-27.62
3.000 G	7.000 G	1.00 M	4.090000 G	-37.84	-24.84
7.000 G	9.000 G	1.00 M	8.024000 G	-35.48	-22.48

Date: 4.NOV.2015 10:58:04

Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Limit [dB]
30.000 M	1.000 G	1.00 M	891.117500 M	-40.68	-27.68
1.000 G	1.845 G	1.00 M	1.844195 G	-34.23	-21.23
1.915 G	3.000 G	1.00 M	1.915542 G	-32.52	-19.52
3.000 G	7.000 G	1.00 M	3.016000 G	-35.90	-22.90
7.000 G	13.600 G	1.00 M	10.248025 G	-32.84	-19.84
13.600 G	19.100 G	1.00 M	15.047875 G	-24.19	-11.19

Frequency Stability

Test Conditions	Middle Channel	WCDMA Band V (RMC 12.2Kbps)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0155	
40	Normal Voltage	0.0167	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0108	
-10	Normal Voltage	0.0012	PASS
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0143	
20	Maximum Voltage	0.0120	
20	Normal Voltage	0.0036	
20	Battery End Point	0.0132	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.4 V.；Maximum Voltage =4.35 V

2. The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0096	
20	Battery End Point	0.0122	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.4 V.；Maximum Voltage =4.35 V

2. The frequency fundamental emissions stay within the authorized frequency block.