

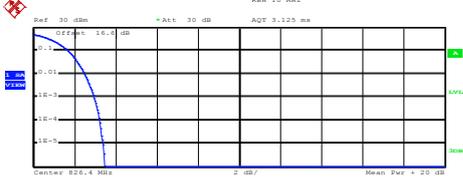
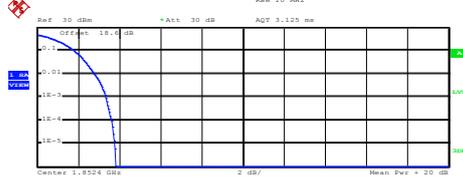
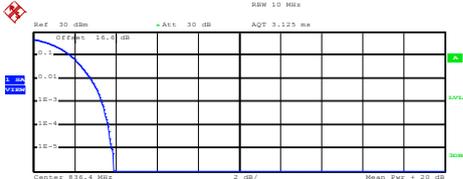
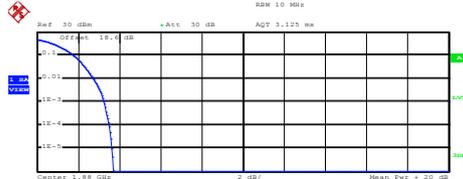
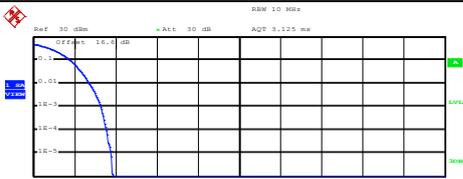
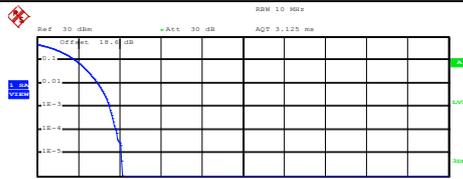


## A2. WCDMA

### 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	PASS
Middle CH	3.32	3.24	
Highest CH	3.28	3.52	



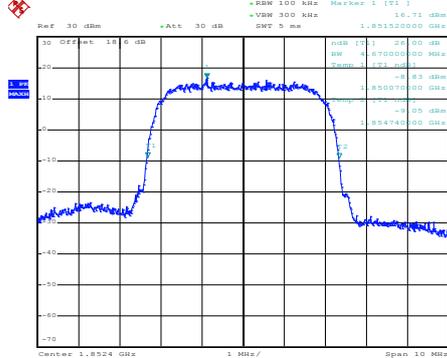
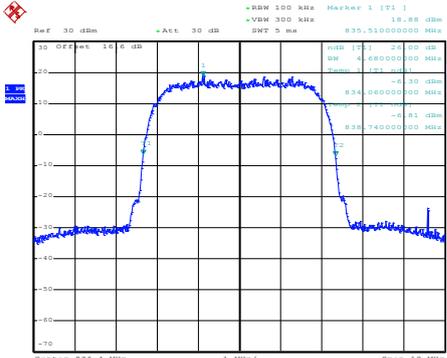
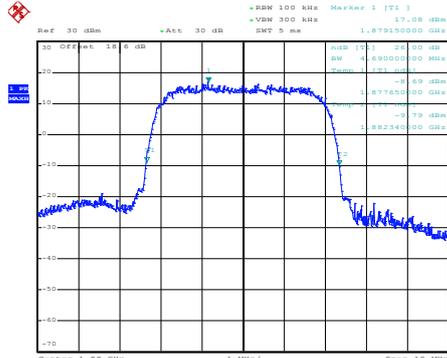
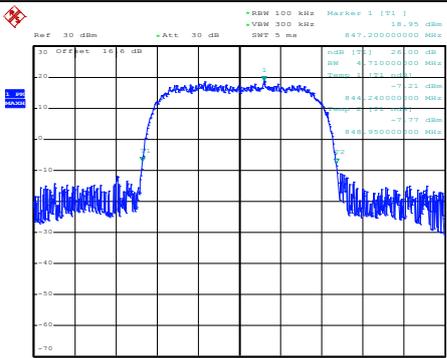
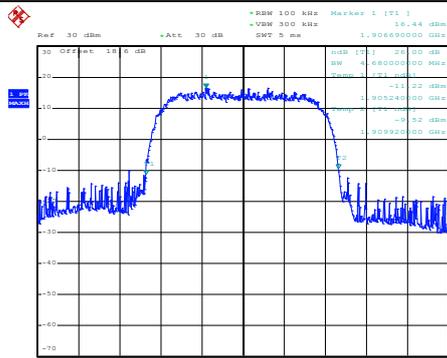
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																
<p style="text-align: center;"><b>Lowest Channel</b></p>  <p>Center 826.4 MHz    2 dB/    Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 18.75 dBm Peak 22.21 dBm Crest 3.46 dB</p> <table border="1"> <tr><td>10 %</td><td>1.68 dB</td></tr> <tr><td>1 %</td><td>2.48 dB</td></tr> <tr><td>.1 %</td><td>2.96 dB</td></tr> <tr><td>.01 %</td><td>3.24 dB</td></tr> </table> <p>Date: 4.NOV.2015 10:43:45</p>	10 %	1.68 dB	1 %	2.48 dB	.1 %	2.96 dB	.01 %	3.24 dB	<p style="text-align: center;"><b>Lowest Channel</b></p>  <p>Center 1.8524 GHz    2 dB/    Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 20.49 dBm Peak 24.33 dBm Crest 3.84 dB</p> <table border="1"> <tr><td>10 %</td><td>1.80 dB</td></tr> <tr><td>1 %</td><td>2.80 dB</td></tr> <tr><td>.1 %</td><td>3.36 dB</td></tr> <tr><td>.01 %</td><td>3.64 dB</td></tr> </table> <p>Date: 4.NOV.2015 10:59:41</p>	10 %	1.80 dB	1 %	2.80 dB	.1 %	3.36 dB	.01 %	3.64 dB
10 %	1.68 dB																
1 %	2.48 dB																
.1 %	2.96 dB																
.01 %	3.24 dB																
10 %	1.80 dB																
1 %	2.80 dB																
.1 %	3.36 dB																
.01 %	3.64 dB																
<p style="text-align: center;"><b>Middle Channel</b></p>  <p>Center 830.4 MHz    2 dB/    Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 19.00 dBm Peak 22.92 dBm Crest 3.91 dB</p> <table border="1"> <tr><td>10 %</td><td>1.80 dB</td></tr> <tr><td>1 %</td><td>2.76 dB</td></tr> <tr><td>.1 %</td><td>3.32 dB</td></tr> <tr><td>.01 %</td><td>3.64 dB</td></tr> </table> <p>Date: 4.NOV.2015 10:43:59</p>	10 %	1.80 dB	1 %	2.76 dB	.1 %	3.32 dB	.01 %	3.64 dB	<p style="text-align: center;"><b>Middle Channel</b></p>  <p>Center 1.88 GHz    2 dB/    Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 21.33 dBm Peak 25.03 dBm Crest 3.70 dB</p> <table border="1"> <tr><td>10 %</td><td>1.76 dB</td></tr> <tr><td>1 %</td><td>2.72 dB</td></tr> <tr><td>.1 %</td><td>3.24 dB</td></tr> <tr><td>.01 %</td><td>3.52 dB</td></tr> </table> <p>Date: 4.NOV.2015 10:59:51</p>	10 %	1.76 dB	1 %	2.72 dB	.1 %	3.24 dB	.01 %	3.52 dB
10 %	1.80 dB																
1 %	2.76 dB																
.1 %	3.32 dB																
.01 %	3.64 dB																
10 %	1.76 dB																
1 %	2.72 dB																
.1 %	3.24 dB																
.01 %	3.52 dB																
<p style="text-align: center;"><b>Highest Channel</b></p>  <p>Center 846.6 MHz    2 dB/    Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 19.14 dBm Peak 22.99 dBm Crest 3.84 dB</p> <table border="1"> <tr><td>10 %</td><td>1.80 dB</td></tr> <tr><td>1 %</td><td>2.72 dB</td></tr> <tr><td>.1 %</td><td>3.28 dB</td></tr> <tr><td>.01 %</td><td>3.56 dB</td></tr> </table> <p>Date: 4.NOV.2015 10:44:10</p>	10 %	1.80 dB	1 %	2.72 dB	.1 %	3.28 dB	.01 %	3.56 dB	<p style="text-align: center;"><b>Highest Channel</b></p>  <p>Center 1.9076 GHz    2 dB/    Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 20.06 dBm Peak 24.19 dBm Crest 4.12 dB</p> <table border="1"> <tr><td>10 %</td><td>1.88 dB</td></tr> <tr><td>1 %</td><td>2.96 dB</td></tr> <tr><td>.1 %</td><td>3.52 dB</td></tr> <tr><td>.01 %</td><td>3.84 dB</td></tr> </table> <p>Date: 4.NOV.2015 11:00:02</p>	10 %	1.88 dB	1 %	2.96 dB	.1 %	3.52 dB	.01 %	3.84 dB
10 %	1.80 dB																
1 %	2.72 dB																
.1 %	3.28 dB																
.01 %	3.56 dB																
10 %	1.88 dB																
1 %	2.96 dB																
.1 %	3.52 dB																
.01 %	3.84 dB																



**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)
<p style="text-align: center;"><b>Lowest Channel</b></p>  <p style="text-align: center;">Date: 4.NOV.2015 10:31:21</p>	<p style="text-align: center;"><b>Lowest Channel</b></p>  <p style="text-align: center;">Date: 4.NOV.2015 10:46:01</p>
<p style="text-align: center;"><b>Middle Channel</b></p>  <p style="text-align: center;">Date: 4.NOV.2015 10:31:55</p>	<p style="text-align: center;"><b>Middle Channel</b></p>  <p style="text-align: center;">Date: 4.NOV.2015 10:46:29</p>
<p style="text-align: center;"><b>Highest Channel</b></p>  <p style="text-align: center;">Date: 4.NOV.2015 10:32:27</p>	<p style="text-align: center;"><b>Highest Channel</b></p>  <p style="text-align: center;">Date: 4.NOV.2015 10:46:57</p>



**Occupied Bandwidth**

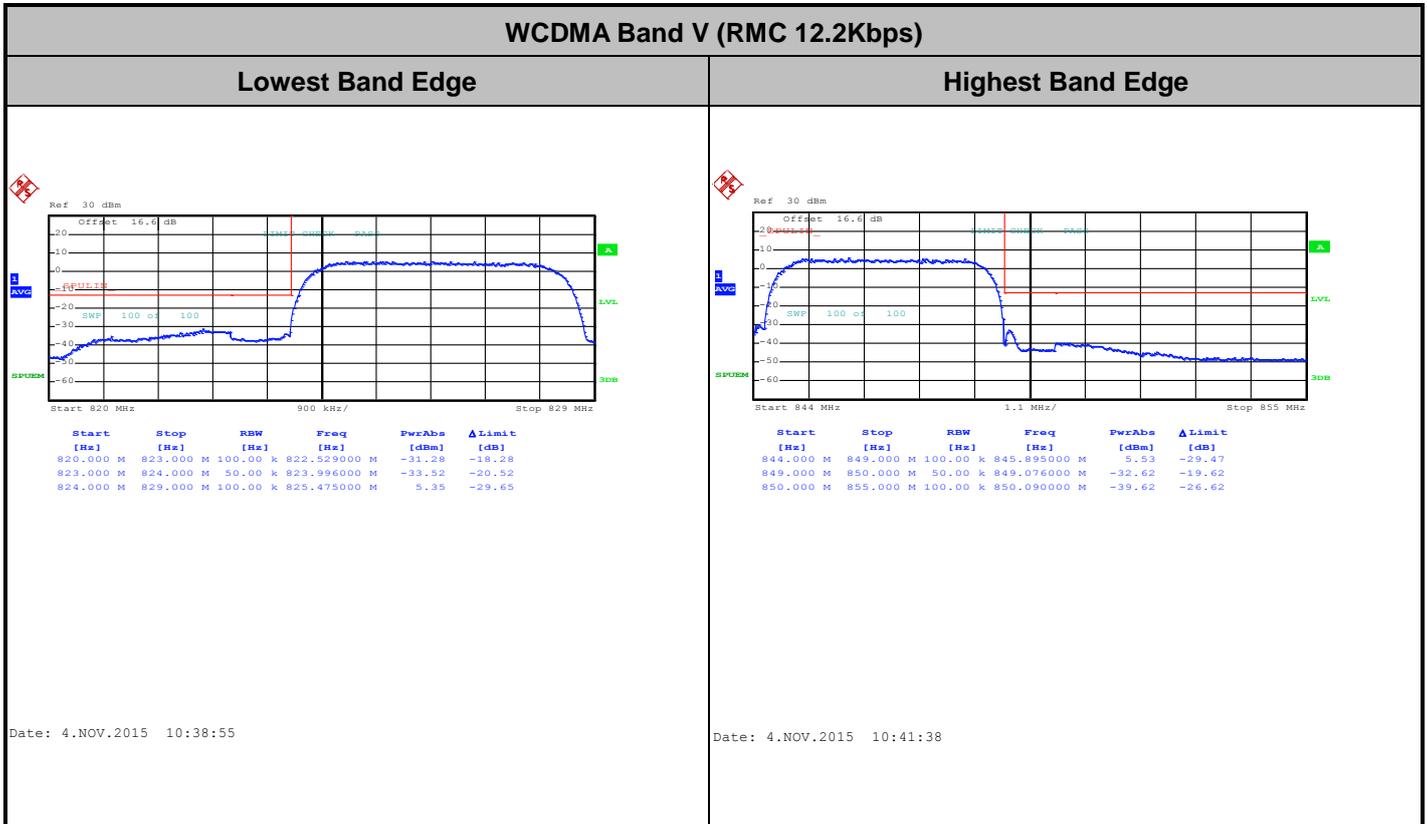
Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.16	4.16
Middle CH	4.17	4.16
Highest CH	4.16	4.16



WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
<p style="text-align: center;"><b>Lowest Channel</b></p> <p>Date: 4.NOV.2015 10:35:02</p>	<p style="text-align: center;"><b>Lowest Channel</b></p> <p>Date: 4.NOV.2015 10:49:26</p>
<p style="text-align: center;"><b>Middle Channel</b></p> <p>Date: 4.NOV.2015 10:35:31</p>	<p style="text-align: center;"><b>Middle Channel</b></p> <p>Date: 4.NOV.2015 10:49:54</p>
<p style="text-align: center;"><b>Highest Channel</b></p> <p>Date: 4.NOV.2015 10:35:59</p>	<p style="text-align: center;"><b>Highest Channel</b></p> <p>Date: 4.NOV.2015 10:50:22</p>



## Conducted Band Edge

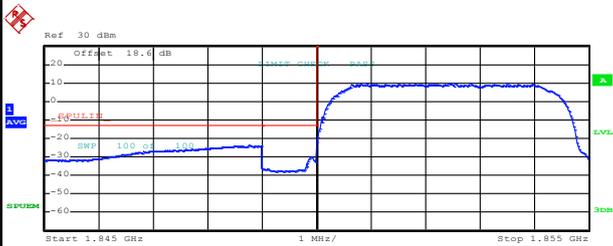




WCDMA Band II (RMC 12.2Kbps)

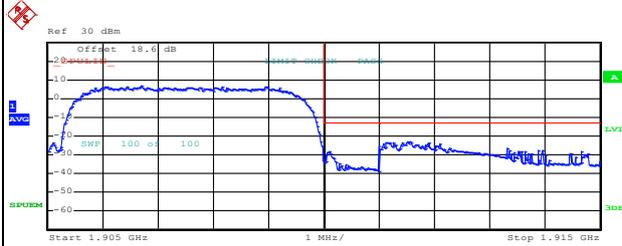
Lowest Band Edge

Highest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [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

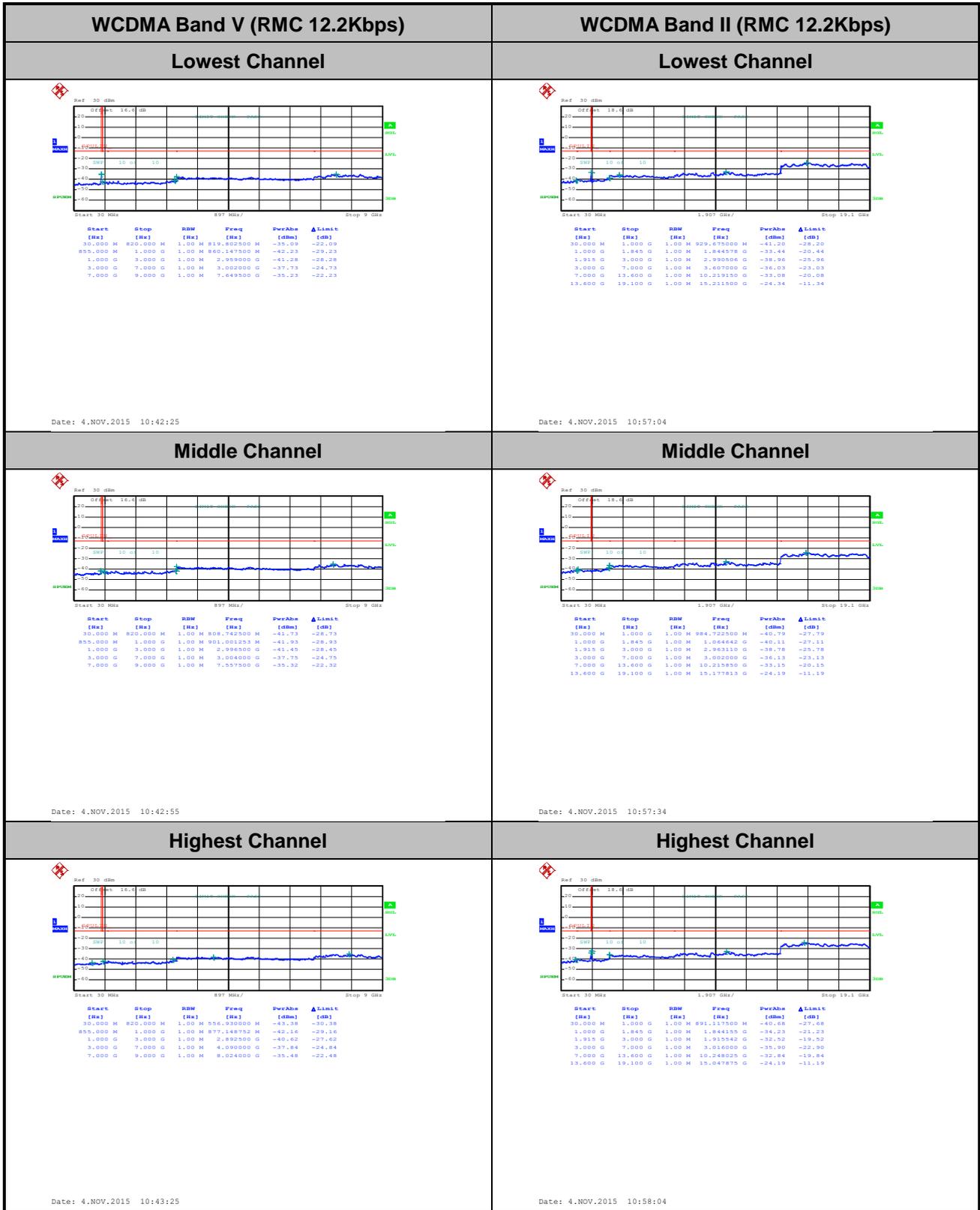


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.905 G	1.910 G	100.00 k	1.906690 G	6.68	-28.32
1.910 G	1.911 G	50.00 k	1.910104 G	-29.18	-15.18
1.911 G	1.915 G	1.00 M	1.911560 G	-22.93	-9.93

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



# Conducted Spurious Emission





### 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	PASS
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	
-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.