

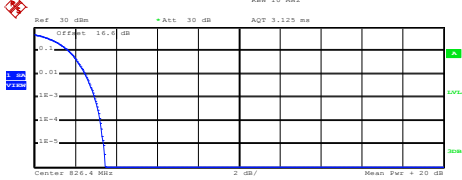
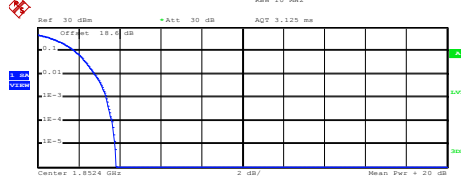
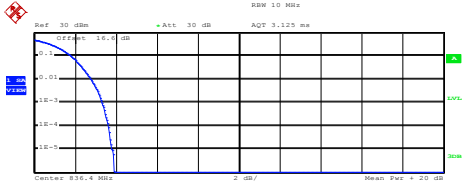
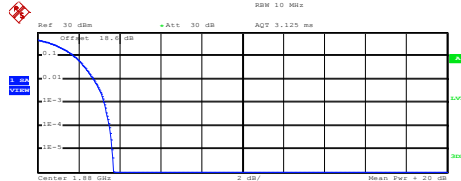
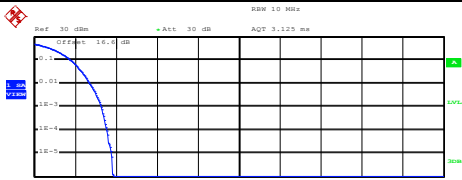
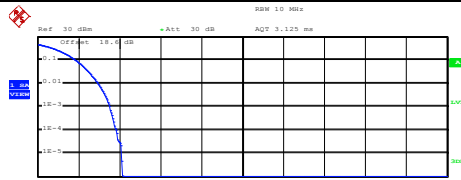


A2. WCDMA

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 align="center">Lowest Channel</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 align="center">Lowest Channel</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 align="center">Middle Channel</p>  <p>Center 836.4 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 align="center">Middle Channel</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 align="center">Highest Channel</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 align="center">Highest Channel</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

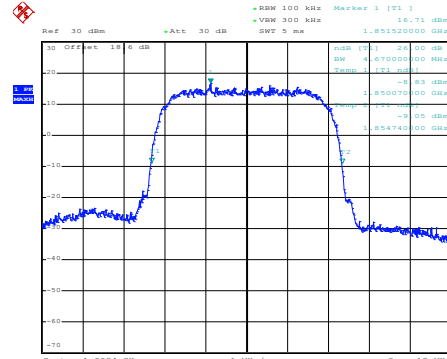
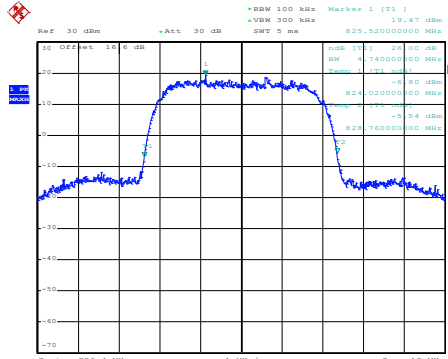


WCDMA Band V (RMC 12.2Kbps)

WCDMA Band II (RMC 12.2Kbps)

Lowest Channel

Lowest Channel

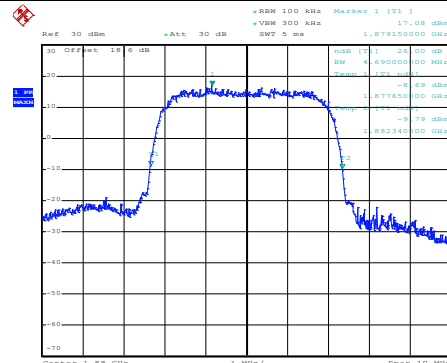
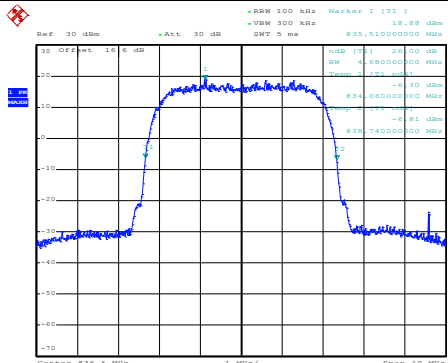


Date: 4.NOV.2015 10:31:21

Date: 4.NOV.2015 10:46:01

Middle Channel

Middle Channel

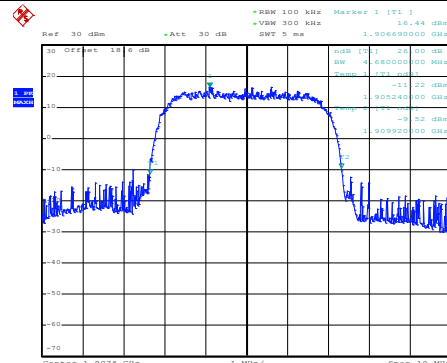
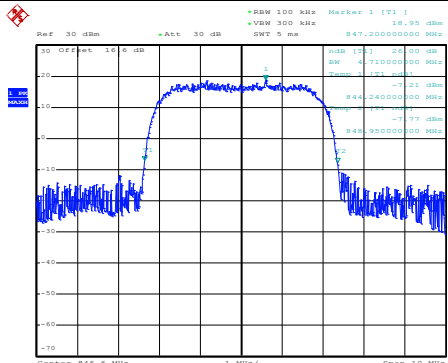


Date: 4.NOV.2015 10:31:55

Date: 4.NOV.2015 10:46:29

Highest Channel

Highest Channel



Date: 4.NOV.2015 10:32:27

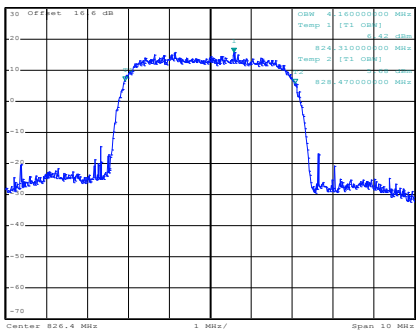
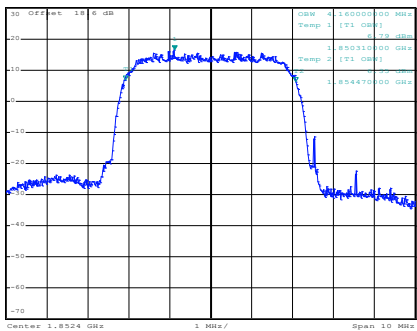
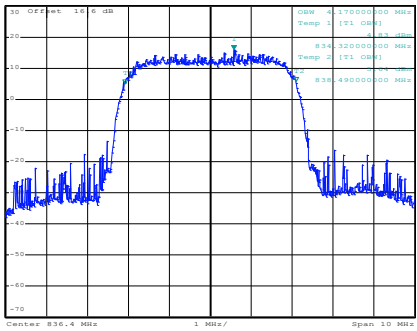
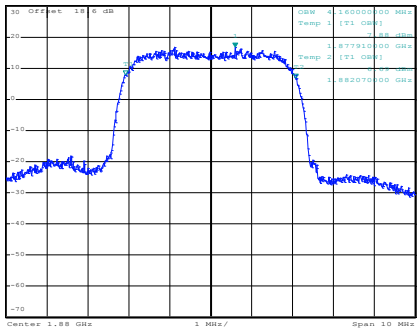
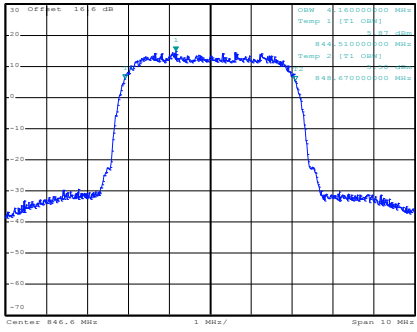
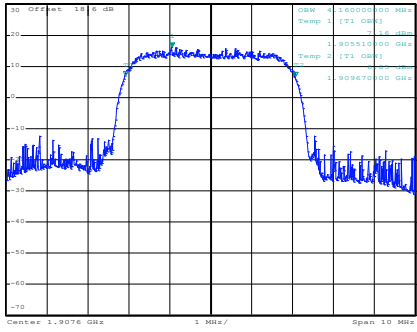
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Occupied Bandwidth

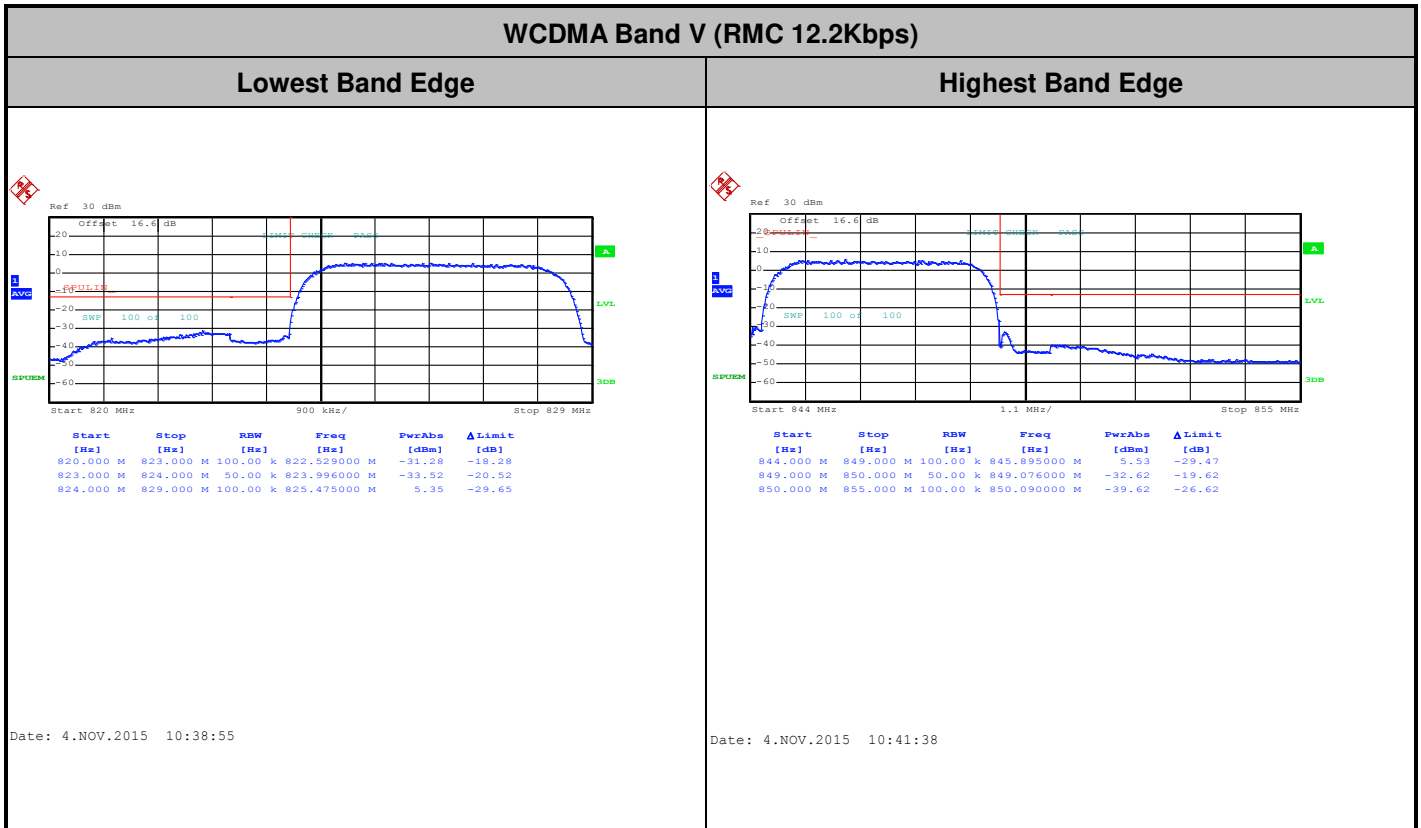
Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.16	4.16
Middle CH	4.17	4.16
Highest CH	4.16	4.16



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



Conducted Band Edge

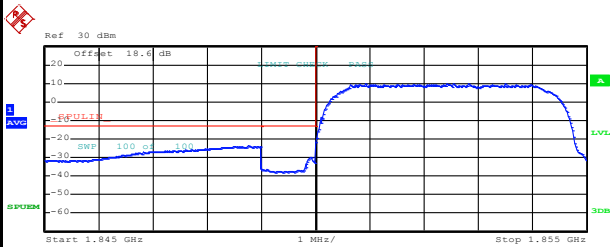




WCDMA Band II (RMC 12.2Kbps)

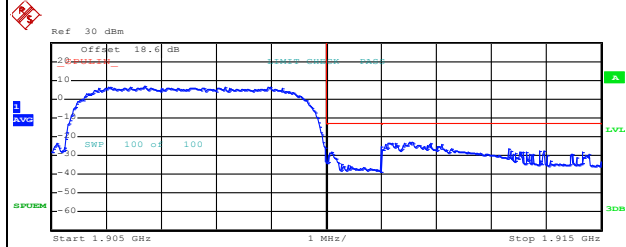
Lowest Band Edge

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

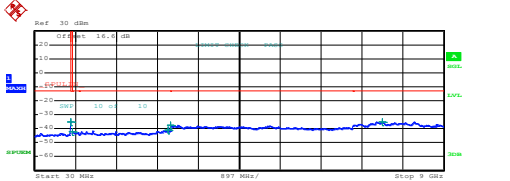
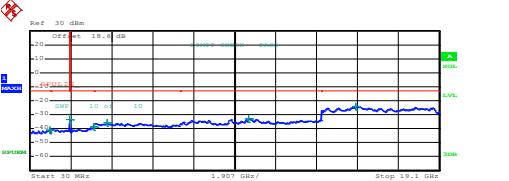
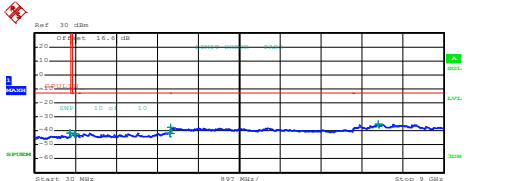
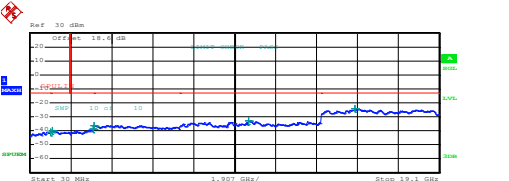
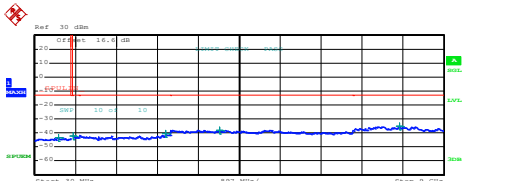
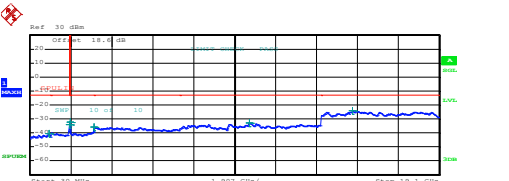


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	Δ Limit [dB]
1.905 G	1.910 G	100.00 k	1.906690 G	6.68	-28.32
1.910 G	1.911 G	50.00 k	1.910104 G	-29.18	-15.18
1.911 G	1.915 G	1.00 M	1.911560 G	-22.93	-9.93

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



Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																																																																																										
Lowest Channel	Lowest Channel																																																																																										
 <table border="1" data-bbox="239 660 766 739"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>PwrAve</th> <th>ΔLimit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>35,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>816,802500 M</td> <td>-35.09</td> <td>-22.09</td> </tr> <tr> <td>855,000 M</td> <td>1,000 G</td> <td>1,000 G</td> <td>860,147500 M</td> <td>-42.23</td> <td>-29.23</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,990500 G</td> <td>-42.28</td> <td>-28.28</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,002000 G</td> <td>-37.73</td> <td>-24.73</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>7,649500 G</td> <td>-35.23</td> <td>-22.23</td> </tr> </tbody> </table> <p>Date: 4.NOV.2015 10:42:25</p>	Start	Stop	RBW	Freq	PwrAve	ΔLimit	[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]	35,000 M	820,000 M	1,000 M	816,802500 M	-35.09	-22.09	855,000 M	1,000 G	1,000 G	860,147500 M	-42.23	-29.23	1,000 G	3,000 G	1,000 M	2,990500 G	-42.28	-28.28	3,000 G	7,000 G	1,000 M	3,002000 G	-37.73	-24.73	7,000 G	9,000 G	1,000 M	7,649500 G	-35.23	-22.23	 <table border="1" data-bbox="893 660 1420 739"> <thead> <tr> <th>Start</th> <th>Stop</th> <th>RBW</th> <th>Freq</th> <th>PwrAve</th> <th>ΔLimit</th> </tr> <tr> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[Hz]</th> <th>[dBm]</th> <th>[dB]</th> </tr> </thead> <tbody> <tr> <td>35,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>829,675000 M</td> <td>-41.20</td> <td>-28.20</td> </tr> <tr> <td>1,000 G</td> <td>3,845 G</td> <td>1,000 M</td> <td>3,844578 G</td> <td>-33.44</td> <td>-20.44</td> </tr> <tr> <td>3,845 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,990500 G</td> <td>-39.96</td> <td>-25.96</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,607000 G</td> <td>-36.03</td> <td>-23.03</td> </tr> <tr> <td>7,000 G</td> <td>13,600 G</td> <td>1,000 M</td> <td>10,231910 G</td> <td>-33.08</td> <td>-20.08</td> </tr> <tr> <td>13,600 G</td> <td>19,100 G</td> <td>1,000 M</td> <td>15,211500 G</td> <td>-24.34</td> <td>-11.34</td> </tr> </tbody> </table> <p>Date: 4.NOV.2015 10:57:04</p>	Start	Stop	RBW	Freq	PwrAve	ΔLimit	[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]	35,000 M	1,000 G	1,000 M	829,675000 M	-41.20	-28.20	1,000 G	3,845 G	1,000 M	3,844578 G	-33.44	-20.44	3,845 G	3,000 G	1,000 M	2,990500 G	-39.96	-25.96	3,000 G	7,000 G	1,000 M	3,607000 G	-36.03	-23.03	7,000 G	13,600 G	1,000 M	10,231910 G	-33.08	-20.08	13,600 G	19,100 G	1,000 M	15,211500 G	-24.34	-11.34
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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.