



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

Conducted Power (*Unit: dBm)									
Band	WCDMA Band V			WCDMA Band II			WCDMA Band IV		
Channel	4132	4182	4233	9262	9400	9538	1312	1413	1513
Frequency	826.4	836.4	846.6	1852.4	1880	1907.6	1712.4	1732.6	1752.6
RMC 12.2K	22.69	22.46	22.80	22.53	22.56	22.06	22.40	22.36	22.85
HSDPA Subtest-1	21.73	21.72	21.82	21.80	21.61	21.02	21.62	21.54	21.89
HSDPA Subtest-2	21.78	21.72	21.81	21.71	21.57	21.15	21.63	21.57	21.89
HSDPA Subtest-3	21.27	21.25	21.33	21.09	21.08	20.61	21.02	21.01	21.33
HSDPA Subtest-4	21.29	21.25	21.38	21.10	21.14	20.60	21.09	21.00	21.34
HSUPA Subtest-1	21.70	21.24	21.75	21.16	21.35	21.00	21.49	21.44	21.32
HSUPA Subtest-2	20.50	20.44	20.43	20.27	20.50	19.00	20.40	20.05	20.50
HSUPA Subtest-3	20.72	20.45	20.02	20.40	20.51	19.92	20.07	19.70	20.55
HSUPA Subtest-4	21.00	21.00	20.86	21.00	21.00	20.90	20.94	20.35	21.00
HSUPA Subtest-5	21.80	21.78	21.90	21.52	21.62	21.01	21.38	21.38	21.77

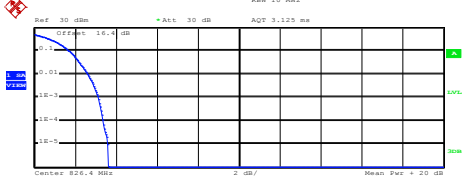
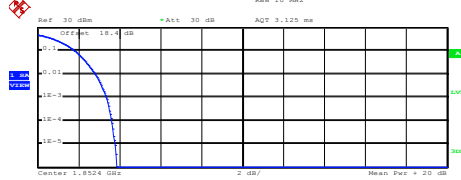
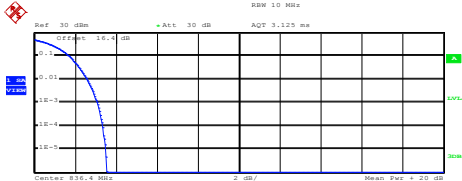
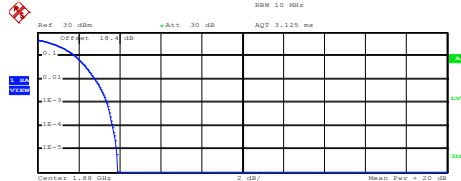
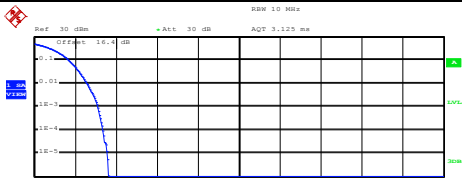
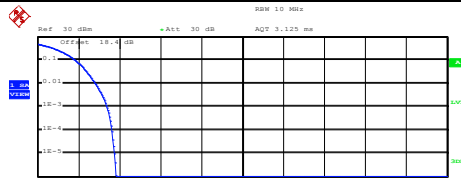


A. WCDMA

Peak-to-Average Ratio

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	3.16	3.36	3.24	PASS
Middle CH	3.08	3.36	3.28	
Highest CH	3.12	3.40	3.28	

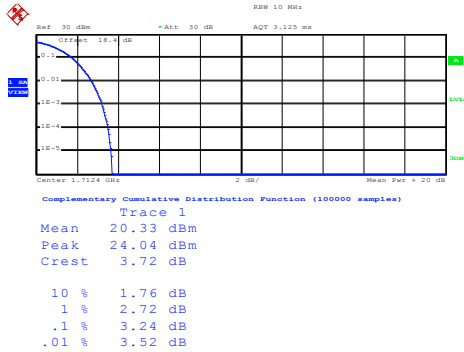


WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																
<p align="center">Lowest Channel</p>  <p>Center 826.4 MHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 19.71 dBm Peak 23.34 dBm Crest 3.63 dB</p> <table border="1"> <tr><td>10 %</td><td>1.72 dB</td></tr> <tr><td>1 %</td><td>2.60 dB</td></tr> <tr><td>.1 %</td><td>3.16 dB</td></tr> <tr><td>.01 %</td><td>3.36 dB</td></tr> </table> <p>Date: 10.NOV.2015 10:57:19</p>	10 %	1.72 dB	1 %	2.60 dB	.1 %	3.16 dB	.01 %	3.36 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 19.83 dBm Peak 23.69 dBm Crest 3.86 dB</p> <table border="1"> <tr><td>10 %</td><td>1.84 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: 10.NOV.2015 11:28:35</p>	10 %	1.84 dB	1 %	2.80 dB	.1 %	3.36 dB	.01 %	3.64 dB
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<p align="center">Middle Channel</p>  <p>Center 830.4 MHz 2 dB/ Mean Pwr + 20 dB</p> <p>Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 19.24 dBm Peak 22.77 dBm Crest 3.53 dB</p> <table border="1"> <tr><td>10 %</td><td>1.72 dB</td></tr> <tr><td>1 %</td><td>2.60 dB</td></tr> <tr><td>.1 %</td><td>3.08 dB</td></tr> <tr><td>.01 %</td><td>3.36 dB</td></tr> </table> <p>Date: 10.NOV.2015 10:57:27</p>	10 %	1.72 dB	1 %	2.60 dB	.1 %	3.08 dB	.01 %	3.36 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 20.20 dBm Peak 24.11 dBm Crest 3.91 dB</p> <table border="1"> <tr><td>10 %</td><td>1.84 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>3.68 dB</td></tr> </table> <p>Date: 10.NOV.2015 11:28:44</p>	10 %	1.84 dB	1 %	2.80 dB	.1 %	3.36 dB	.01 %	3.68 dB
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<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 19.00 dBm Peak 22.63 dBm Crest 3.63 dB</p> <table border="1"> <tr><td>10 %</td><td>1.68 dB</td></tr> <tr><td>1 %</td><td>2.60 dB</td></tr> <tr><td>.1 %</td><td>3.12 dB</td></tr> <tr><td>.01 %</td><td>3.36 dB</td></tr> </table> <p>Date: 10.NOV.2015 10:57:39</p>	10 %	1.68 dB	1 %	2.60 dB	.1 %	3.12 dB	.01 %	3.36 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 20.01 dBm Peak 23.83 dBm Crest 3.82 dB</p> <table border="1"> <tr><td>10 %</td><td>1.84 dB</td></tr> <tr><td>1 %</td><td>2.84 dB</td></tr> <tr><td>.1 %</td><td>3.40 dB</td></tr> <tr><td>.01 %</td><td>3.64 dB</td></tr> </table> <p>Date: 10.NOV.2015 11:28:53</p>	10 %	1.84 dB	1 %	2.84 dB	.1 %	3.40 dB	.01 %	3.64 dB
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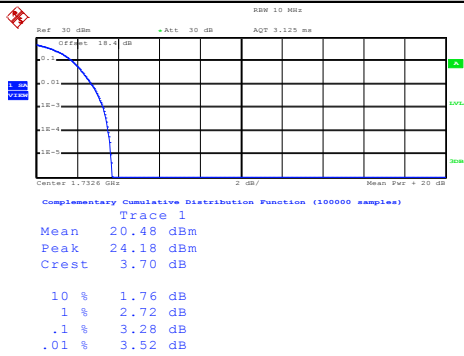
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



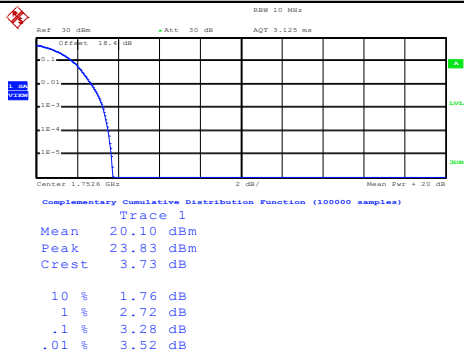
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Middle Channel



Date: 10.NOV.2015 11:14:38

Highest Channel

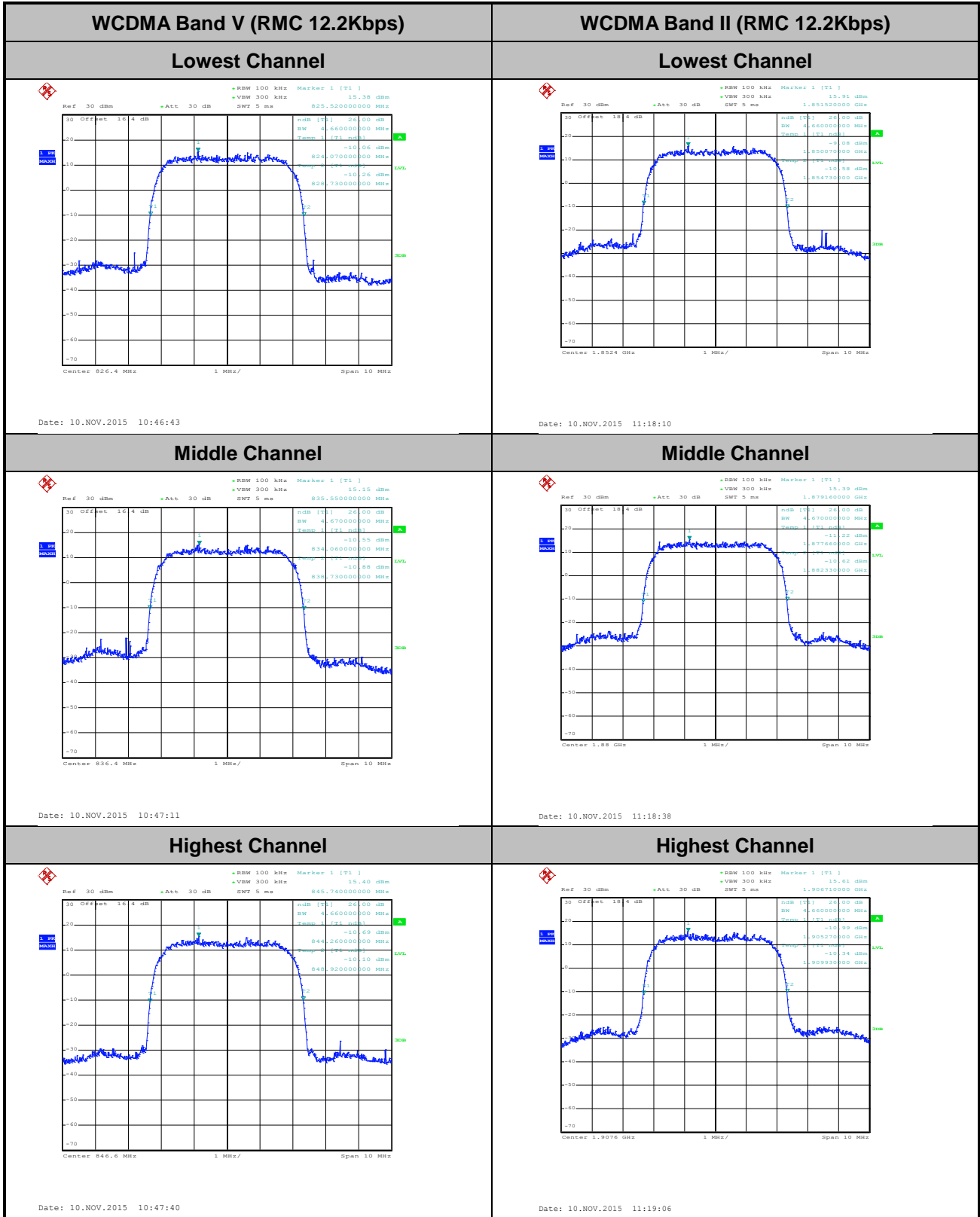


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26dB Bandwidth

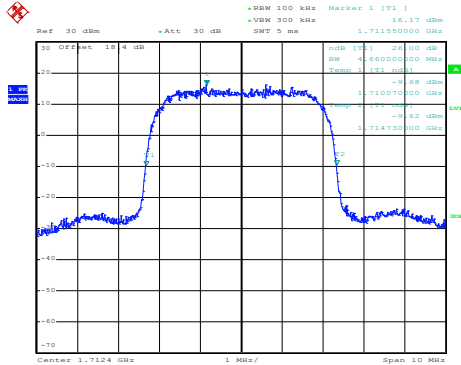
Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.66	4.66	4.66
Middle CH	4.67	4.67	4.66
Highest CH	4.66	4.66	4.66





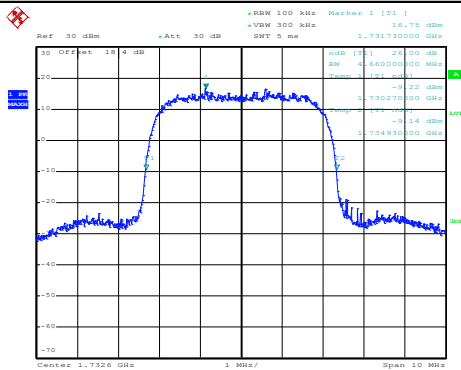
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



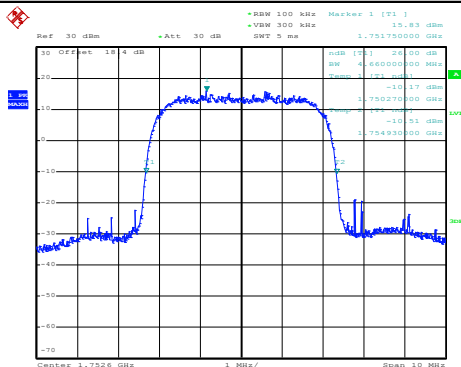
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Middle Channel



Date: 10.NOV.2015 11:03:48

Highest Channel

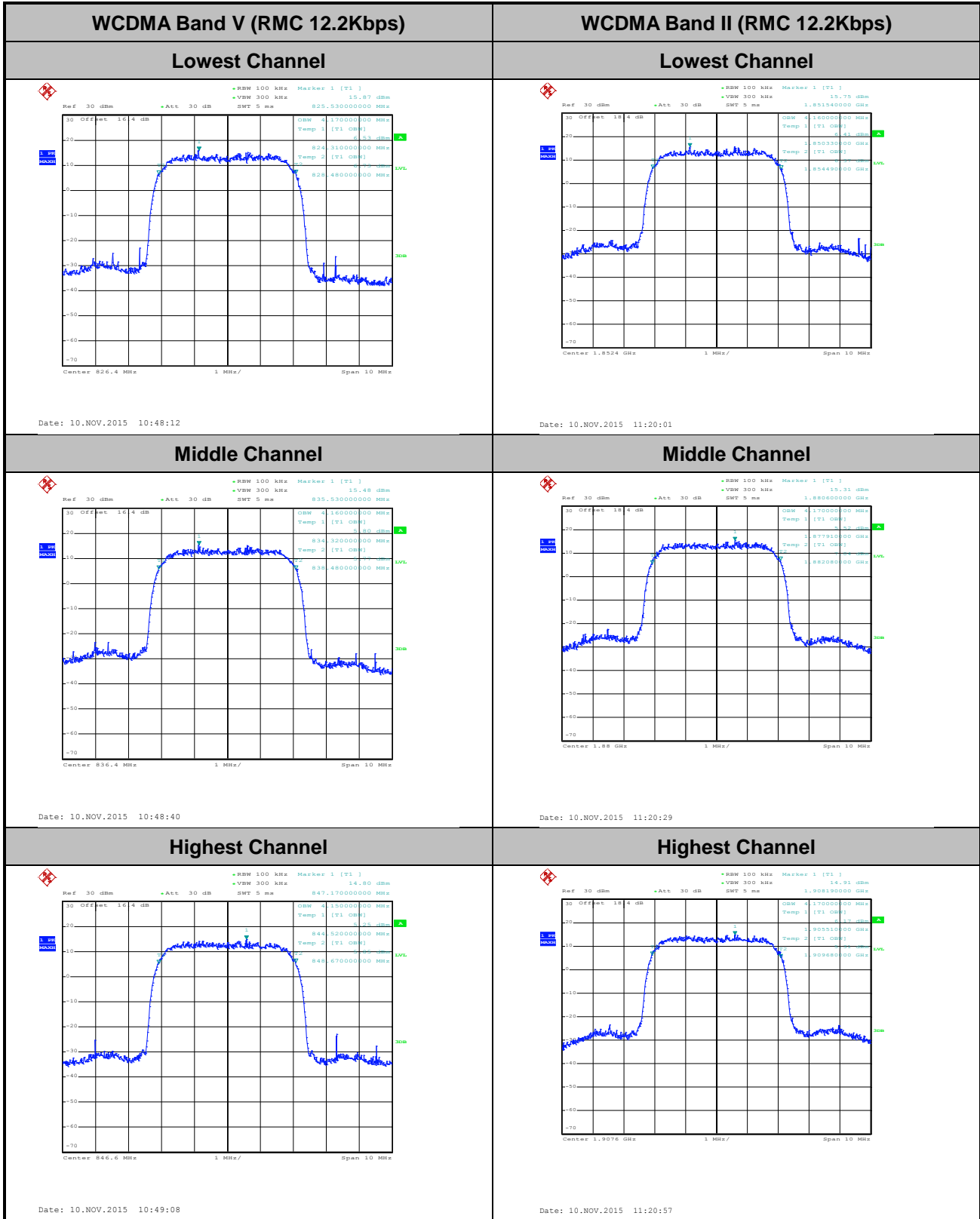


Date: 10.NOV.2015 11:04:16



Occupied Bandwidth

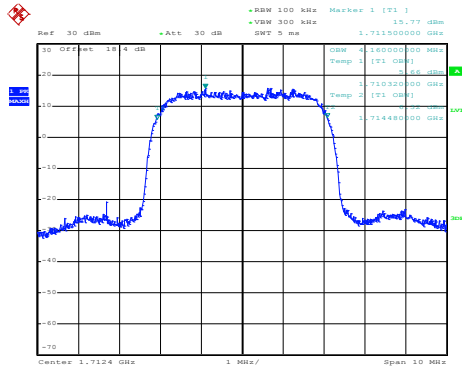
Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.17	4.16	4.16
Middle CH	4.16	4.17	4.16
Highest CH	4.15	4.17	4.16





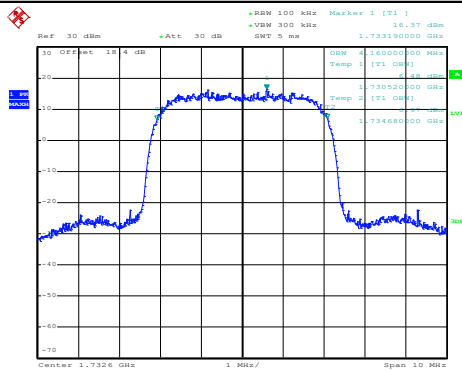
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



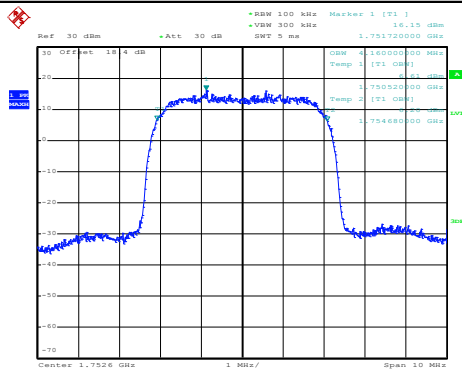
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Middle Channel



Date: 10.NOV.2015 11:06:02

Highest Channel



Date: 10.NOV.2015 11:06:30



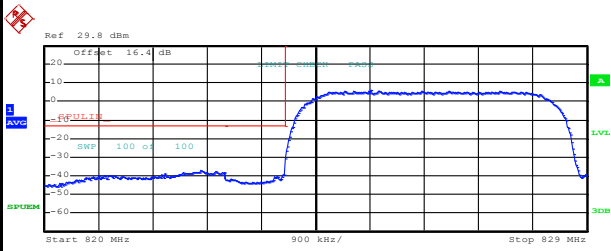
Conducted Band Edge



WCDMA Band V (RMC 12.2Kbps)

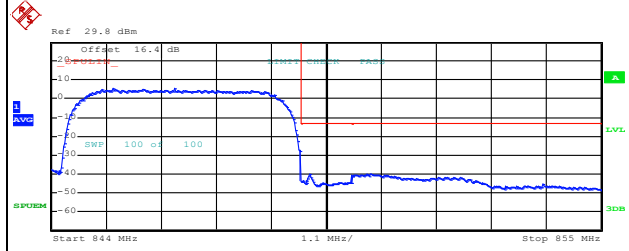
Lowest Band Edge

Highest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.583000 M	-37.25	-24.25
823.000 M	824.000 M	50.00 k	823.968000 M	-39.31	-26.31
824.000 M	829.000 M	100.00 k	825.420000 M	5.83	-29.17

Date: 10.NOV.2015 10:52:13



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
844.000 M	849.000 M	100.00 k	846.470000 M	5.51	-29.49
849.000 M	850.000 M	50.00 k	849.172000 M	-40.36	-27.36
850.000 M	855.000 M	100.00 k	850.400000 M	-40.02	-27.02

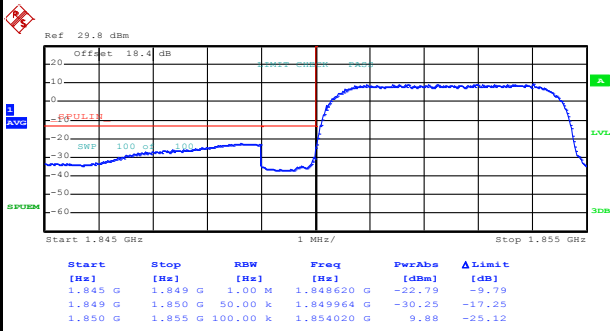
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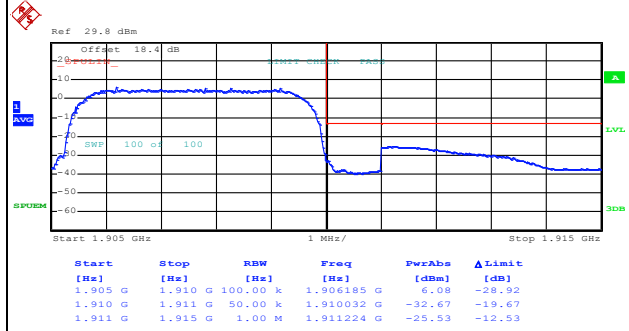
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 10.NOV.2015 13:42:06



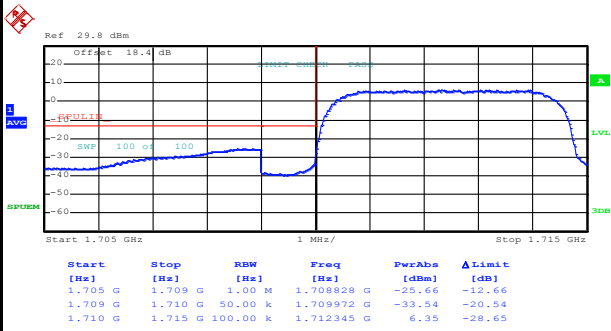
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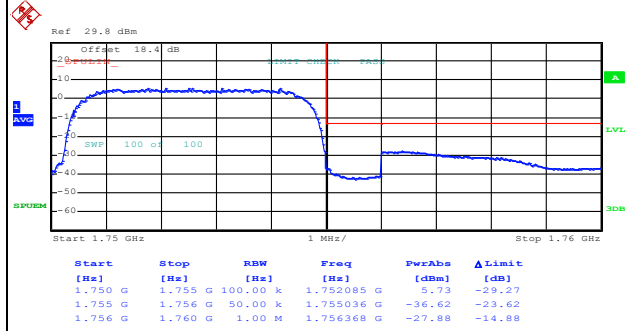
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge

Highest Band Edge



Date: 10.NOV.2015 11:09:23

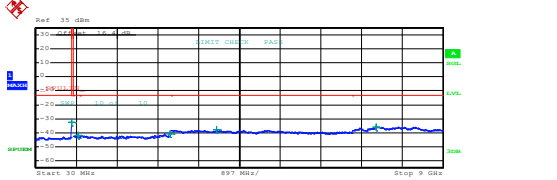
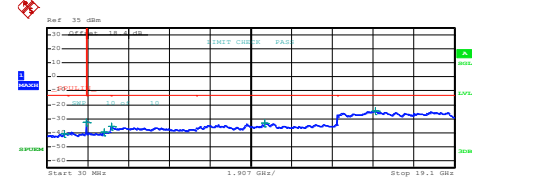
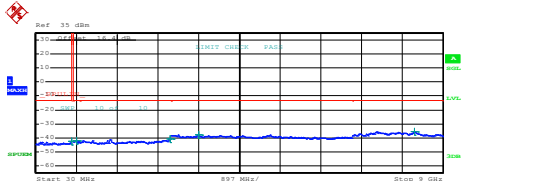
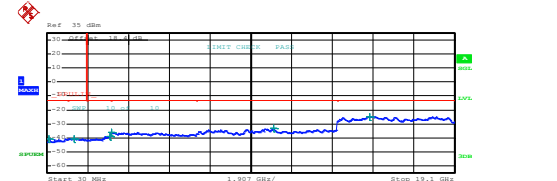
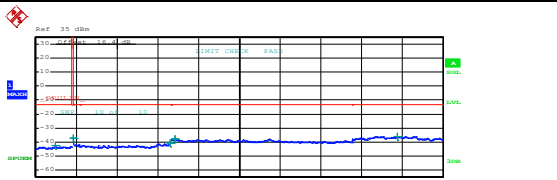
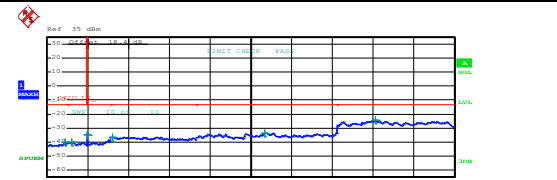


Date: 10.NOV.2015 11:12:06



Conducted Spurious Emission

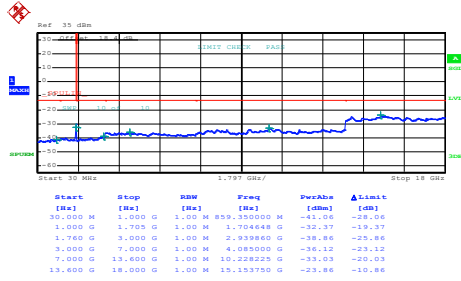


WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																																																																														
Lowest Channel	Lowest Channel																																																																														
 <p>Ref: 35 dBm</p> <p>Start 30 MHz Stop 9 GHz</p> <table border="1"> <thead> <tr> <th>Start [MHz]</th> <th>Stop [MHz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAbs [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr> <td>30,000 M</td> <td>820,000 M</td> <td>1,000 M</td> <td>816,000000 M</td> <td>-32.58</td> <td>-29.58</td> </tr> <tr> <td>835,000 M</td> <td>1,000 G</td> <td>1,000 G</td> <td>970,818758 M</td> <td>-42.00</td> <td>-29.00</td> </tr> <tr> <td>1,000 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,9885000 G</td> <td>-40.89</td> <td>-27.89</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>4,0120000 G</td> <td>-38.09</td> <td>-25.09</td> </tr> <tr> <td>7,000 G</td> <td>9,000 G</td> <td>1,000 M</td> <td>7,5210000 G</td> <td>-35.80</td> <td>-22.80</td> </tr> </tbody> </table> <p>Date: 10.NOV.2015 13:30:43</p>	Start [MHz]	Stop [MHz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]	30,000 M	820,000 M	1,000 M	816,000000 M	-32.58	-29.58	835,000 M	1,000 G	1,000 G	970,818758 M	-42.00	-29.00	1,000 G	3,000 G	1,000 M	2,9885000 G	-40.89	-27.89	3,000 G	7,000 G	1,000 M	4,0120000 G	-38.09	-25.09	7,000 G	9,000 G	1,000 M	7,5210000 G	-35.80	-22.80	 <p>Ref: 35 dBm</p> <p>Start 30 MHz Stop 19.1 GHz</p> <table border="1"> <thead> <tr> <th>Start [MHz]</th> <th>Stop [MHz]</th> <th>RBW [Hz]</th> <th>Freq [Hz]</th> <th>PwrAbs [dBm]</th> <th>ΔLimit [dB]</th> </tr> </thead> <tbody> <tr> <td>30,000 M</td> <td>1,000 G</td> <td>1,000 M</td> <td>833,887500 M</td> <td>-45.51</td> <td>-27.51</td> </tr> <tr> <td>1,000 G</td> <td>1,845 G</td> <td>1,000 M</td> <td>1,844578 G</td> <td>-32.78</td> <td>-19.78</td> </tr> <tr> <td>1,845 G</td> <td>3,000 G</td> <td>1,000 M</td> <td>2,492403 G</td> <td>-39.33</td> <td>-26.33</td> </tr> <tr> <td>3,000 G</td> <td>7,000 G</td> <td>1,000 M</td> <td>3,037000 G</td> <td>-35.72</td> <td>-22.72</td> </tr> <tr> <td>7,000 G</td> <td>13,600 G</td> <td>1,000 M</td> <td>10,221250 G</td> <td>-33.07</td> <td>-20.07</td> </tr> <tr> <td>13,600 G</td> <td>19,100 G</td> <td>1,000 M</td> <td>15,392312 G</td> <td>-24.60</td> <td>-11.60</td> </tr> </tbody> </table> <p>Date: 10.NOV.2015 13:36:29</p>	Start [MHz]	Stop [MHz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]	30,000 M	1,000 G	1,000 M	833,887500 M	-45.51	-27.51	1,000 G	1,845 G	1,000 M	1,844578 G	-32.78	-19.78	1,845 G	3,000 G	1,000 M	2,492403 G	-39.33	-26.33	3,000 G	7,000 G	1,000 M	3,037000 G	-35.72	-22.72	7,000 G	13,600 G	1,000 M	10,221250 G	-33.07	-20.07	13,600 G	19,100 G	1,000 M	15,392312 G	-24.60	-11.60
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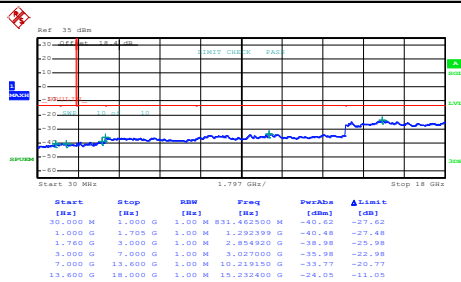
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



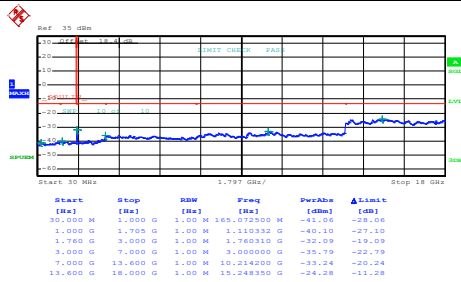
Date: 10.NOV.2015 13:46:11

Middle Channel



Date: 10.NOV.2015 13:46:52

Highest Channel



Date: 10.NOV.2015 13:47:26



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	0.0120	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0096	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0108	
0	Normal Voltage	0.0132	
-10	Normal Voltage	0.0120	
-20	Normal Voltage	0.0084	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0167	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0155	

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	0.0027	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0005	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0040	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage = 12V. ; Battery End Point (BEP) = 10.8 V. ; Maximum Voltage =13.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.