

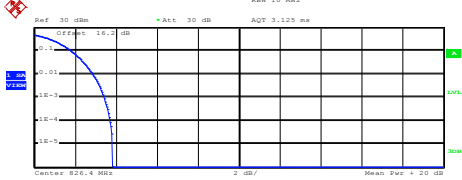
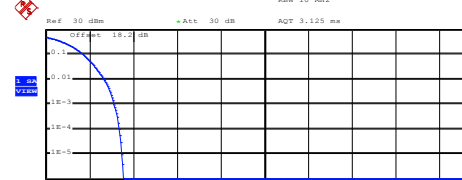
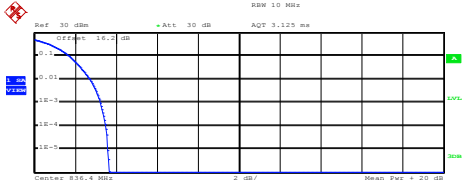
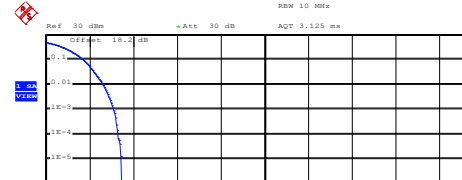
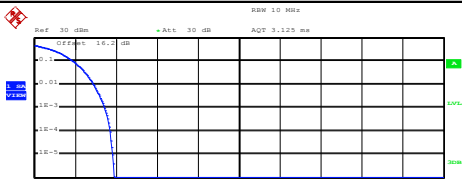
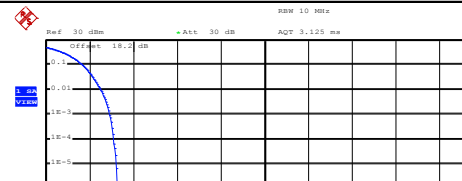


A2. WCDMA

Peak-to-Average Ratio

Mode	WCDMA Band V	WCDMA Band II	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	3.44	3.12	PASS
Middle CH	3.24	3.12	
Highest CH	3.44	2.92	

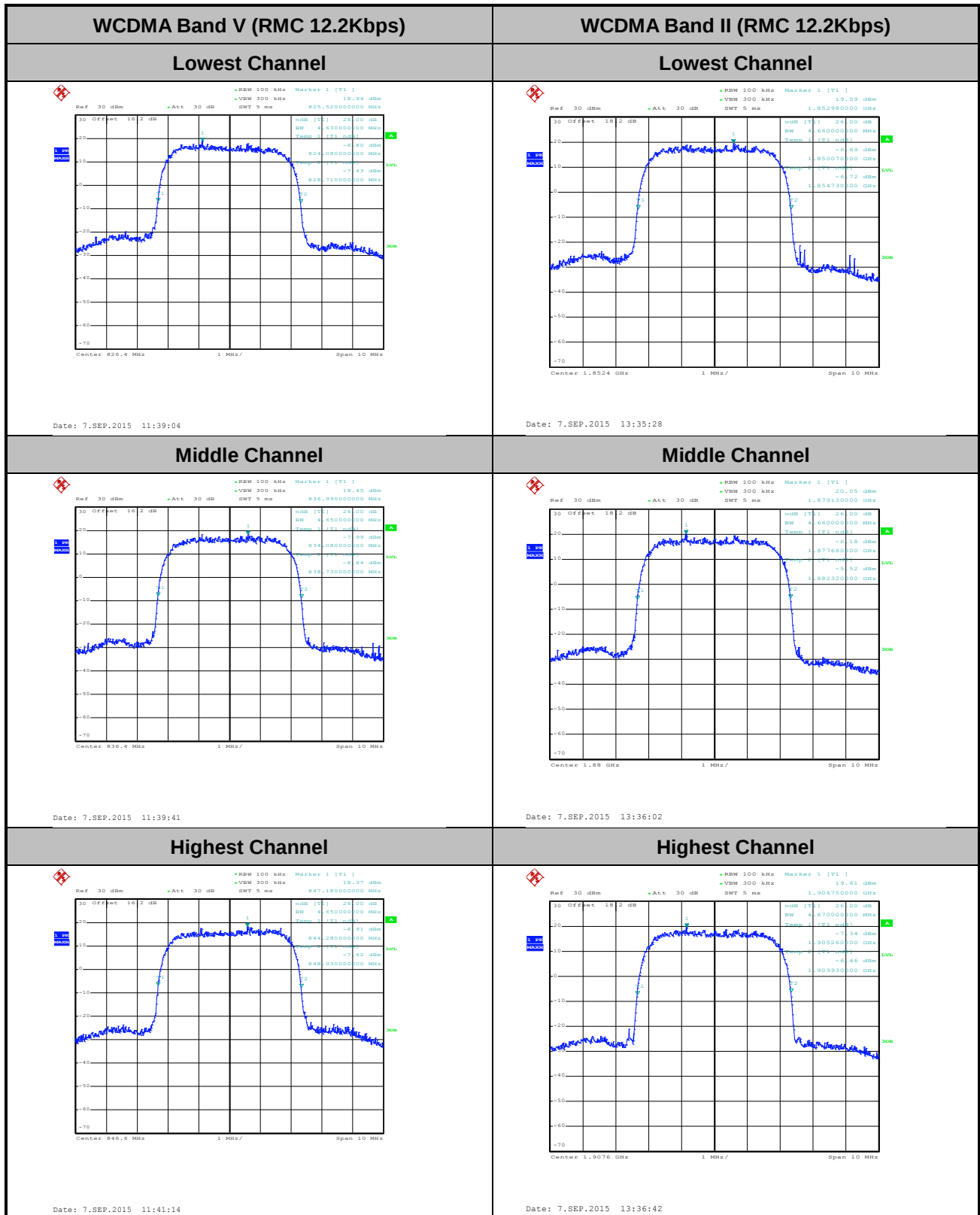


WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																												
Lowest Channel	Lowest Channel																												
 Ref: 30 dBm +Att: 30 dB AQT: 3.125 ms Center: 826.4 MHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>22.40 dBm</td></tr><tr><td>Peak</td><td>26.23 dBm</td></tr><tr><td>Crest</td><td>3.83 dB</td></tr></table> <table><tr><td>10 %</td><td>1.80 dB</td></tr><tr><td>1 %</td><td>2.88 dB</td></tr><tr><td>.1 %</td><td>3.44 dB</td></tr><tr><td>.01 %</td><td>3.72 dB</td></tr></table> Date: 7.SEP.2015 11:51:02	Mean	22.40 dBm	Peak	26.23 dBm	Crest	3.83 dB	10 %	1.80 dB	1 %	2.88 dB	.1 %	3.44 dB	.01 %	3.72 dB	 Ref: 30 dBm +Att: 30 dB AQT: 3.125 ms Center: 1.8524 GHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.54 dBm</td></tr><tr><td>Peak</td><td>27.08 dBm</td></tr><tr><td>Crest</td><td>3.54 dB</td></tr></table> <table><tr><td>10 %</td><td>1.72 dB</td></tr><tr><td>1 %</td><td>2.68 dB</td></tr><tr><td>.1 %</td><td>3.12 dB</td></tr><tr><td>.01 %</td><td>3.36 dB</td></tr></table> Date: 7.SEP.2015 14:15:44	Mean	23.54 dBm	Peak	27.08 dBm	Crest	3.54 dB	10 %	1.72 dB	1 %	2.68 dB	.1 %	3.12 dB	.01 %	3.36 dB
Mean	22.40 dBm																												
Peak	26.23 dBm																												
Crest	3.83 dB																												
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Crest	3.54 dB																												
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1 %	2.68 dB																												
.1 %	3.12 dB																												
.01 %	3.36 dB																												
Middle Channel	Middle Channel																												
 Ref: 30 dBm +Att: 30 dB AQT: 3.125 ms Center: 836.4 MHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>22.50 dBm</td></tr><tr><td>Peak</td><td>26.16 dBm</td></tr><tr><td>Crest</td><td>3.66 dB</td></tr></table> <table><tr><td>10 %</td><td>1.72 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>3.48 dB</td></tr></table> Date: 7.SEP.2015 11:51:44	Mean	22.50 dBm	Peak	26.16 dBm	Crest	3.66 dB	10 %	1.72 dB	1 %	2.72 dB	.1 %	3.24 dB	.01 %	3.48 dB	 Ref: 30 dBm +Att: 30 dB AQT: 3.125 ms Center: 1.88 GHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.62 dBm</td></tr><tr><td>Peak</td><td>27.08 dBm</td></tr><tr><td>Crest</td><td>3.45 dB</td></tr></table> <table><tr><td>10 %</td><td>1.72 dB</td></tr><tr><td>1 %</td><td>2.64 dB</td></tr><tr><td>.1 %</td><td>3.12 dB</td></tr><tr><td>.01 %</td><td>3.32 dB</td></tr></table> Date: 7.SEP.2015 14:15:59	Mean	23.62 dBm	Peak	27.08 dBm	Crest	3.45 dB	10 %	1.72 dB	1 %	2.64 dB	.1 %	3.12 dB	.01 %	3.32 dB
Mean	22.50 dBm																												
Peak	26.16 dBm																												
Crest	3.66 dB																												
10 %	1.72 dB																												
1 %	2.72 dB																												
.1 %	3.24 dB																												
.01 %	3.48 dB																												
Mean	23.62 dBm																												
Peak	27.08 dBm																												
Crest	3.45 dB																												
10 %	1.72 dB																												
1 %	2.64 dB																												
.1 %	3.12 dB																												
.01 %	3.32 dB																												
Highest Channel	Highest Channel																												
 Ref: 30 dBm +Att: 30 dB AQT: 3.125 ms Center: 846.6 MHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>22.19 dBm</td></tr><tr><td>Peak</td><td>26.09 dBm</td></tr><tr><td>Crest</td><td>3.90 dB</td></tr></table> <table><tr><td>10 %</td><td>1.92 dB</td></tr><tr><td>1 %</td><td>2.88 dB</td></tr><tr><td>.1 %</td><td>3.44 dB</td></tr><tr><td>.01 %</td><td>3.72 dB</td></tr></table> Date: 7.SEP.2015 11:51:58	Mean	22.19 dBm	Peak	26.09 dBm	Crest	3.90 dB	10 %	1.92 dB	1 %	2.88 dB	.1 %	3.44 dB	.01 %	3.72 dB	 Ref: 30 dBm +Att: 30 dB AQT: 3.125 ms Center: 1.9076 GHz 2 dB/ Mean Pwr: +20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.40 dBm</td></tr><tr><td>Peak</td><td>26.65 dBm</td></tr><tr><td>Crest</td><td>3.25 dB</td></tr></table> <table><tr><td>10 %</td><td>1.68 dB</td></tr><tr><td>1 %</td><td>2.52 dB</td></tr><tr><td>.1 %</td><td>2.92 dB</td></tr><tr><td>.01 %</td><td>3.12 dB</td></tr></table> Date: 7.SEP.2015 14:16:14	Mean	23.40 dBm	Peak	26.65 dBm	Crest	3.25 dB	10 %	1.68 dB	1 %	2.52 dB	.1 %	2.92 dB	.01 %	3.12 dB
Mean	22.19 dBm																												
Peak	26.09 dBm																												
Crest	3.90 dB																												
10 %	1.92 dB																												
1 %	2.88 dB																												
.1 %	3.44 dB																												
.01 %	3.72 dB																												
Mean	23.40 dBm																												
Peak	26.65 dBm																												
Crest	3.25 dB																												
10 %	1.68 dB																												
1 %	2.52 dB																												
.1 %	2.92 dB																												
.01 %	3.12 dB																												



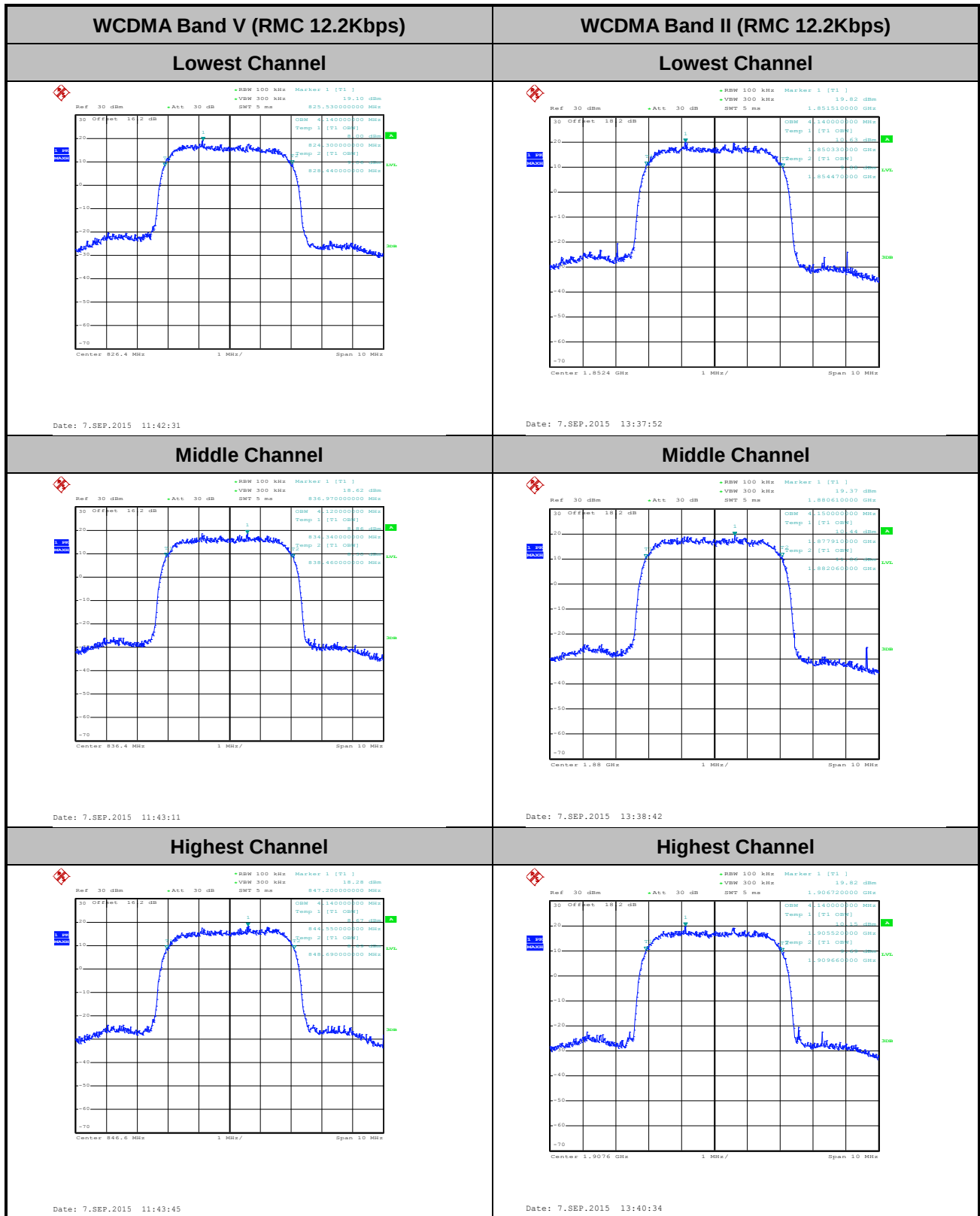
26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.63	4.66
Middle CH	4.65	4.66
Highest CH	4.65	4.67



**Occupied Bandwidth**

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.14	4.14
Middle CH	4.12	4.15
Highest CH	4.14	4.14

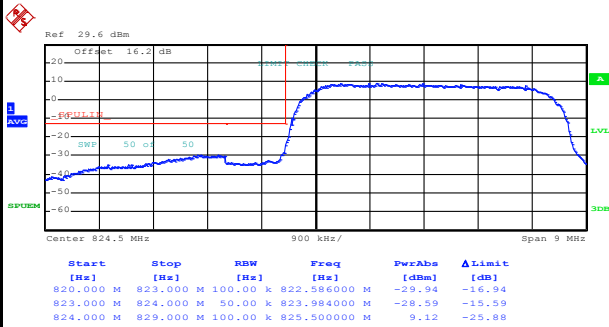




Conducted Band Edge

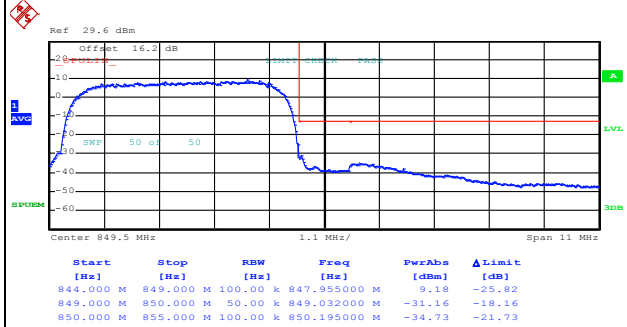
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 7.SEP.2015 11:56:12

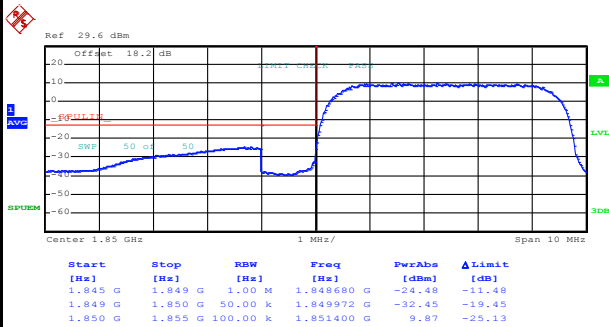
Highest Band Edge



Date: 7.SEP.2015 11:54:31

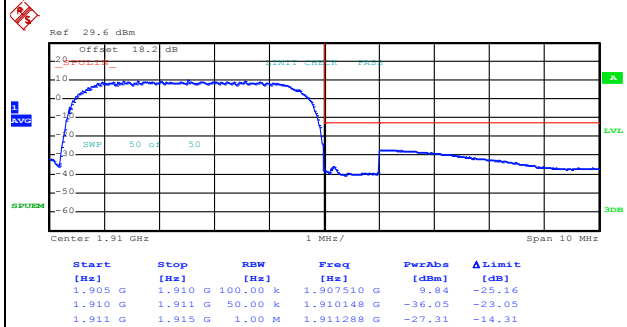
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 7.SEP.2015 14:04:13

Highest Band Edge



Date: 7.SEP.2015 14:11:56



Conducted Spurious Emission

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

**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	0.0335	PASS
40	Normal Voltage	0.0132	
30	Normal Voltage	0.0311	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0347	
0	Normal Voltage	0.0143	
-10	Normal Voltage	0.0323	
-20	Normal Voltage	0.0060	
-30	Normal Voltage	0.0108	
20	Maximum Voltage	0.0096	
20	Normal Voltage	0.0323	
20	Battery End Point	0.0359	



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0080	PASS
40	Normal Voltage	0.0059	
30	Normal Voltage	0.0074	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0298	
0	Normal Voltage	0.0271	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0064	
-30	Normal Voltage	0.0277	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0282	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.2 V
2. The frequency fundamental emissions stay within the authorized frequency block.