

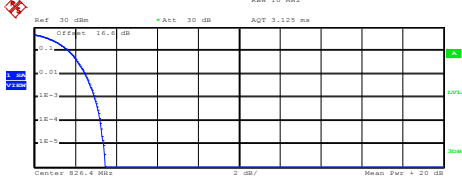
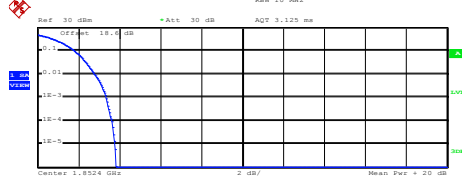
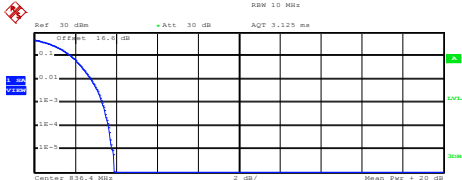
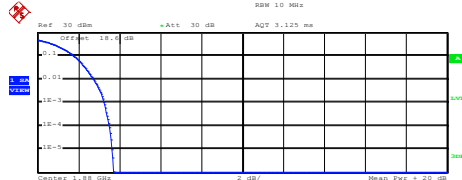
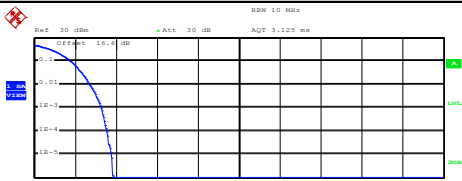
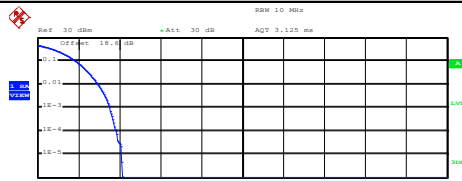


A2. WCDMA

Peak-to-Average Ratio

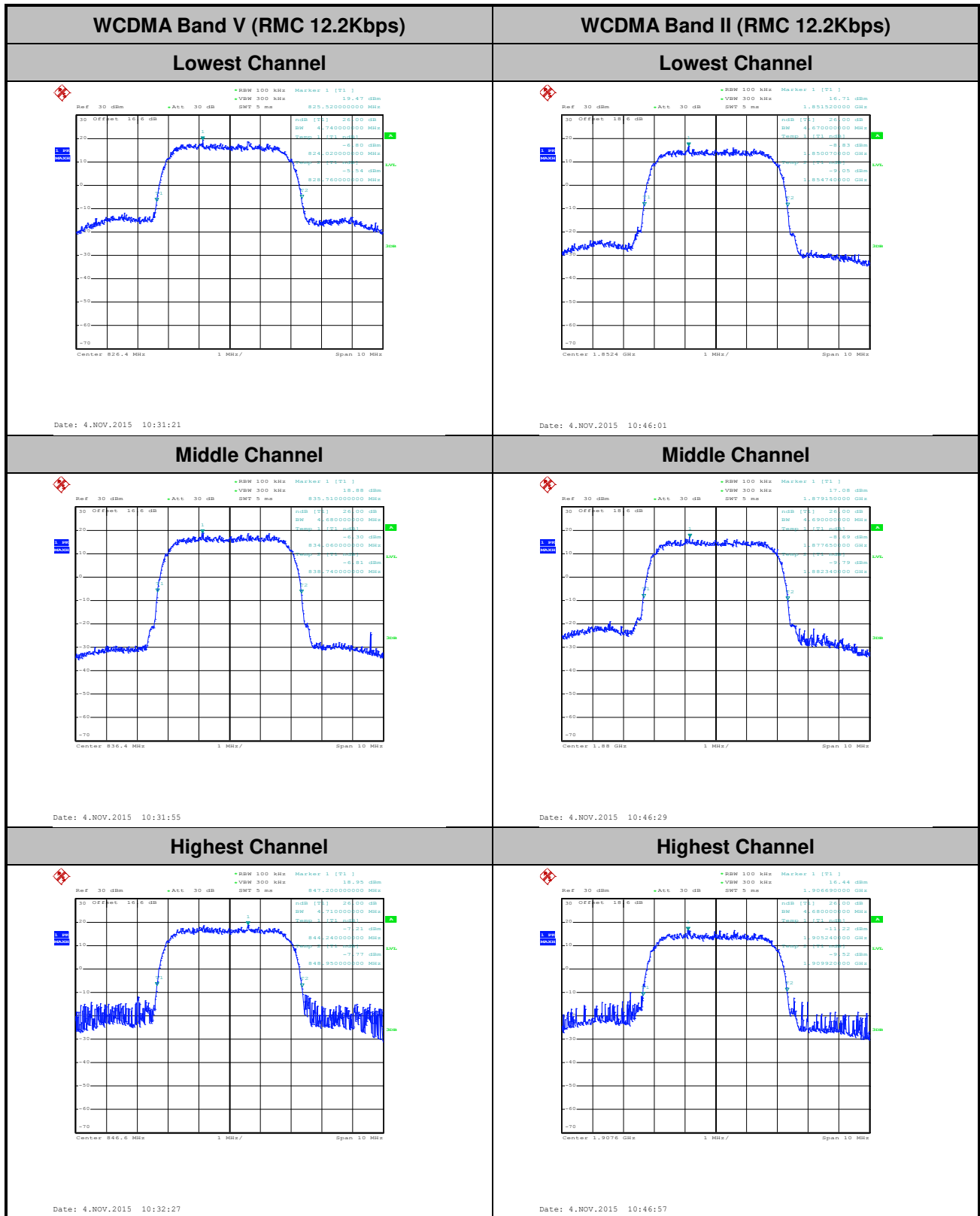
Mode	WCDMA Band V	WCDMA Band II	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	2.96	3.36	PASS
Middle CH	3.32	3.24	
Highest CH	3.28	3.52	



WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																
Lowest Channel	Lowest Channel																
 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 826.4 MHz 2 dB/ Mean: Per + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 18.75 dBm Peak: 22.21 dBm Crest: 3.46 dB <table><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> Date: 4.NOV.2015 10:43:45	10 %	1.68 dB	1 %	2.48 dB	.1 %	2.96 dB	.01 %	3.24 dB	 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 1.8524 GHz 2 dB/ Mean: Per + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 20.49 dBm Peak: 24.33 dBm Crest: 3.84 dB <table><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> Date: 4.NOV.2015 10:59:41	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																
Middle Channel	Middle Channel																
 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 830.4 MHz 2 dB/ Mean: Per + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 19.00 dBm Peak: 22.92 dBm Crest: 3.91 dB <table><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> Date: 4.NOV.2015 10:43:59	10 %	1.80 dB	1 %	2.76 dB	.1 %	3.32 dB	.01 %	3.64 dB	 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 1.85 GHz 2 dB/ Mean: Per + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 21.33 dBm Peak: 25.03 dBm Crest: 3.70 dB <table><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> Date: 4.NOV.2015 10:59:51	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																
Highest Channel	Highest Channel																
 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 846.6 MHz 2 dB/ Mean: Per + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 19.14 dBm Peak: 22.99 dBm Crest: 3.84 dB <table><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> Date: 4.NOV.2015 10:44:10	10 %	1.80 dB	1 %	2.72 dB	.1 %	3.28 dB	.01 %	3.56 dB	 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 1.9076 GHz 2 dB/ Mean: Per + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 20.06 dBm Peak: 24.19 dBm Crest: 4.12 dB <table><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> Date: 4.NOV.2015 11:00:02	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																

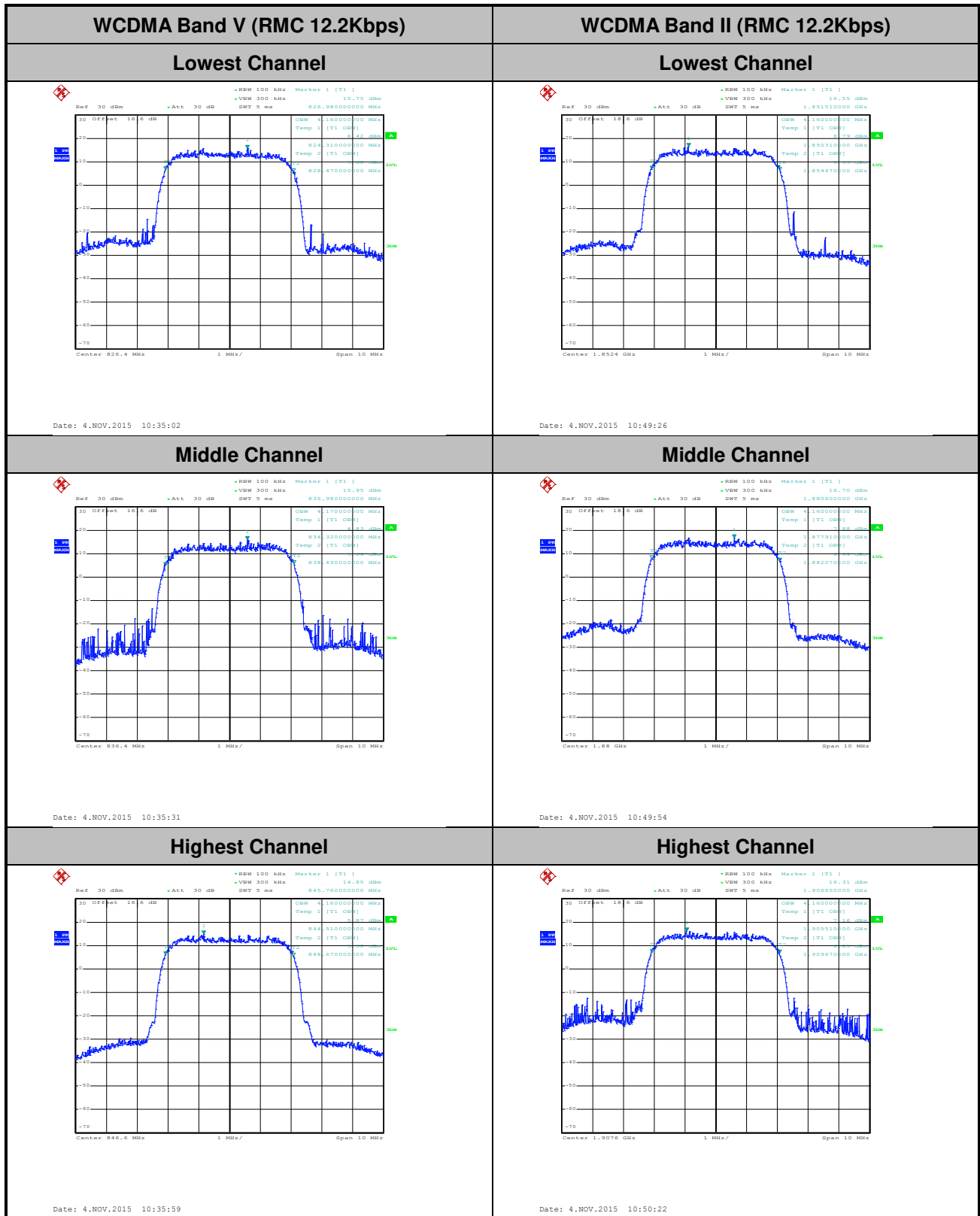
**26dB Bandwidth**

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



**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

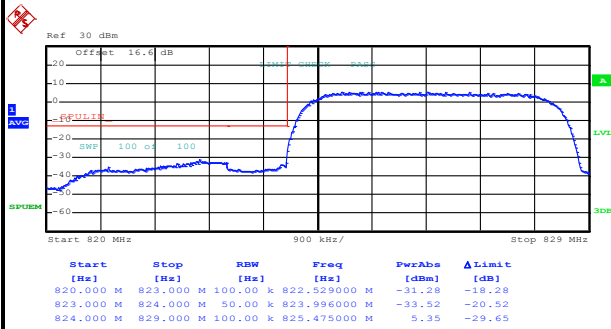




Conducted Band Edge

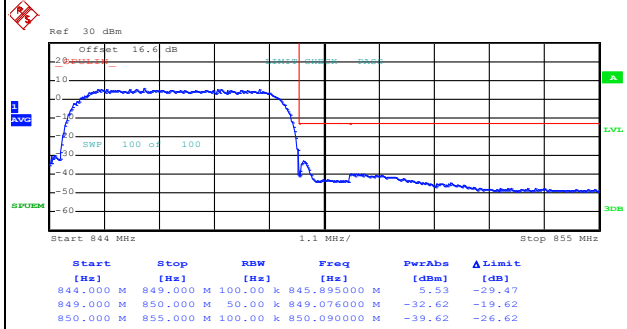
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



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

Highest Band Edge

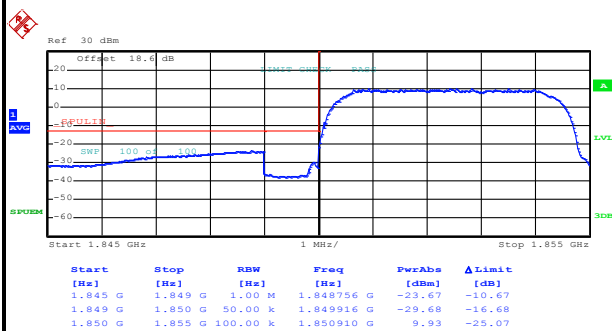


Date: 4.NOV.2015 10:41:38



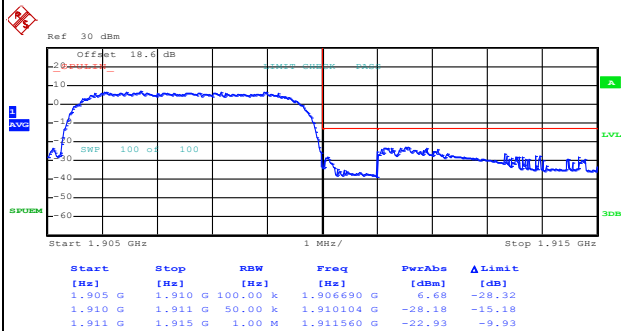
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 2.DEC.2015 16:50:27

Highest Band Edge



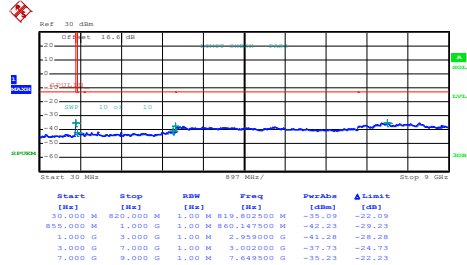
Date: 4.NOV.2015 10:56:15



Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

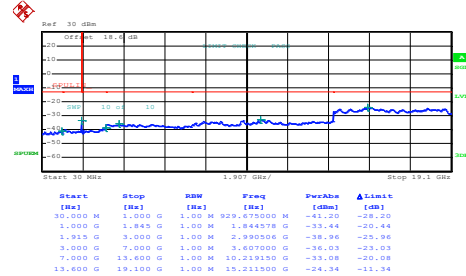
Lowest Channel



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

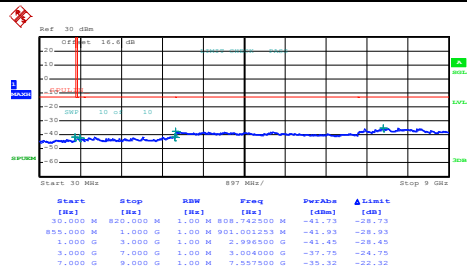
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



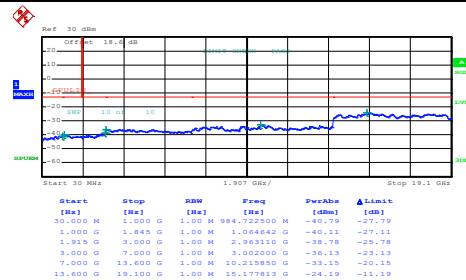
Date: 4.NOV.2015 10:57:04

Middle Channel



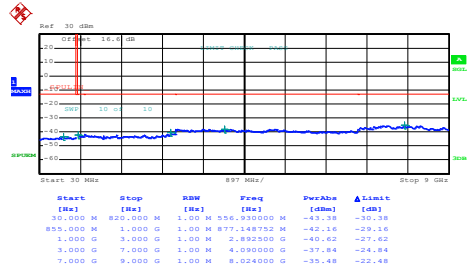
Date: 4.NOV.2015 10:42:55

Middle Channel



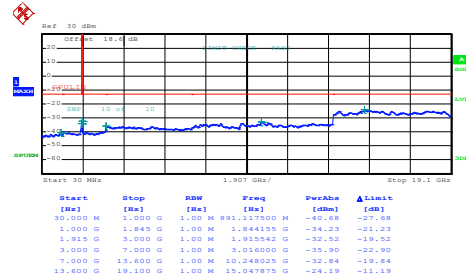
Date: 4.NOV.2015 10:57:34

Highest Channel



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

Highest Channel



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

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.