

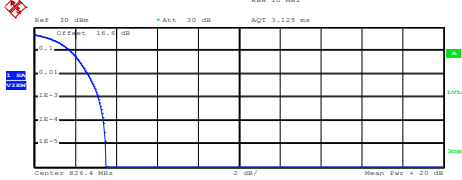
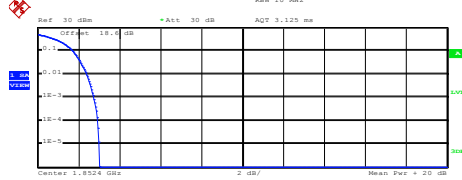
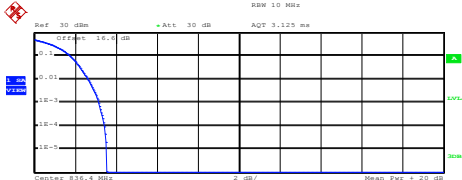
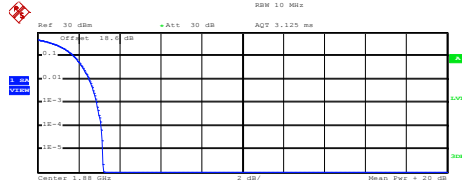
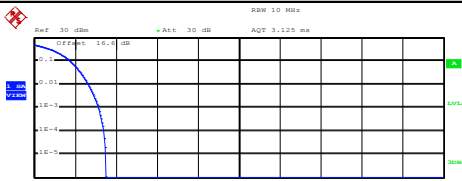
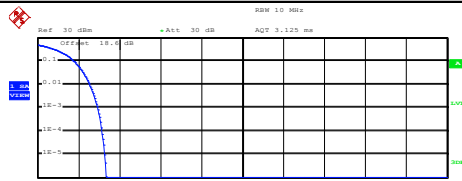


A2. WCDMA

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	3.12	2.76	3.12	PASS
Middle CH	3.16	2.88	3.16	
Highest CH	3.16	2.96	3.16	

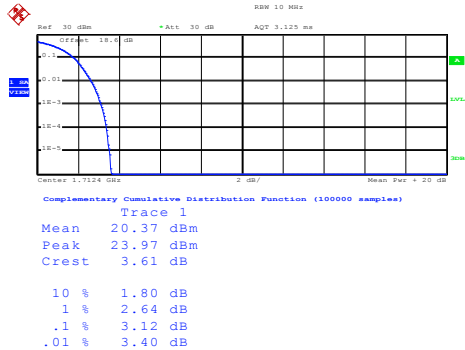


WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																
Lowest Channel	Lowest Channel																
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 826.4 MHz, 2 dB, Mean: 19.34 dBm, Peak: 22.85 dBm, Crest: 3.51 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 19.34 dBm Peak 22.85 dBm Crest 3.51 dB <table><tr><td>10 %</td><td>1.76 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>3.40 dB</td></tr></table> Date: 6.NOV.2015 15:19:59	10 %	1.76 dB	1 %	2.60 dB	.1 %	3.12 dB	.01 %	3.40 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 1.8524 GHz, 2 dB, Mean: 20.87 dBm, Peak: 23.90 dBm, Crest: 3.04 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 20.87 dBm Peak 23.90 dBm Crest 3.04 dB <table><tr><td>10 %</td><td>1.72 dB</td></tr><tr><td>1 %</td><td>2.40 dB</td></tr><tr><td>.1 %</td><td>2.76 dB</td></tr><tr><td>.01 %</td><td>2.92 dB</td></tr></table> Date: 6.NOV.2015 15:05:14	10 %	1.72 dB	1 %	2.40 dB	.1 %	2.76 dB	.01 %	2.92 dB
10 %	1.76 dB																
1 %	2.60 dB																
.1 %	3.12 dB																
.01 %	3.40 dB																
10 %	1.72 dB																
1 %	2.40 dB																
.1 %	2.76 dB																
.01 %	2.92 dB																
Middle Channel	Middle Channel																
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 830.4 MHz, 2 dB, Mean: 19.37 dBm, Peak: 22.92 dBm, Crest: 3.55 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 19.37 dBm Peak 22.92 dBm Crest 3.55 dB <table><tr><td>10 %</td><td>1.76 dB</td></tr><tr><td>1 %</td><td>2.64 dB</td></tr><tr><td>.1 %</td><td>3.16 dB</td></tr><tr><td>.01 %</td><td>3.44 dB</td></tr></table> Date: 6.NOV.2015 15:20:40	10 %	1.76 dB	1 %	2.64 dB	.1 %	3.16 dB	.01 %	3.44 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 1.88 GHz, 2 dB, Mean: 20.78 dBm, Peak: 23.97 dBm, Crest: 3.20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 20.78 dBm Peak 23.97 dBm Crest 3.20 dB <table><tr><td>10 %</td><td>1.76 dB</td></tr><tr><td>1 %</td><td>2.52 dB</td></tr><tr><td>.1 %</td><td>2.88 dB</td></tr><tr><td>.01 %</td><td>3.12 dB</td></tr></table> Date: 6.NOV.2015 15:05:23	10 %	1.76 dB	1 %	2.52 dB	.1 %	2.88 dB	.01 %	3.12 dB
10 %	1.76 dB																
1 %	2.64 dB																
.1 %	3.16 dB																
.01 %	3.44 dB																
10 %	1.76 dB																
1 %	2.52 dB																
.1 %	2.88 dB																
.01 %	3.12 dB																
Highest Channel	Highest Channel																
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 846.6 MHz, 2 dB, Mean: 19.41 dBm, Peak: 22.92 dBm, Crest: 3.51 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 19.41 dBm Peak 22.92 dBm Crest 3.51 dB <table><tr><td>10 %</td><td>1.76 dB</td></tr><tr><td>1 %</td><td>2.64 dB</td></tr><tr><td>.1 %</td><td>3.16 dB</td></tr><tr><td>.01 %</td><td>3.40 dB</td></tr></table> Date: 6.NOV.2015 15:20:50	10 %	1.76 dB	1 %	2.64 dB	.1 %	3.16 dB	.01 %	3.40 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 1.9076 GHz, 2 dB, Mean: 20.28 dBm, Peak: 23.62 dBm, Crest: 3.34 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 20.28 dBm Peak 23.62 dBm Crest 3.34 dB <table><tr><td>10 %</td><td>1.80 dB</td></tr><tr><td>1 %</td><td>2.56 dB</td></tr><tr><td>.1 %</td><td>2.96 dB</td></tr><tr><td>.01 %</td><td>3.16 dB</td></tr></table> Date: 6.NOV.2015 15:06:09	10 %	1.80 dB	1 %	2.56 dB	.1 %	2.96 dB	.01 %	3.16 dB
10 %	1.76 dB																
1 %	2.64 dB																
.1 %	3.16 dB																
.01 %	3.40 dB																
10 %	1.80 dB																
1 %	2.56 dB																
.1 %	2.96 dB																
.01 %	3.16 dB																



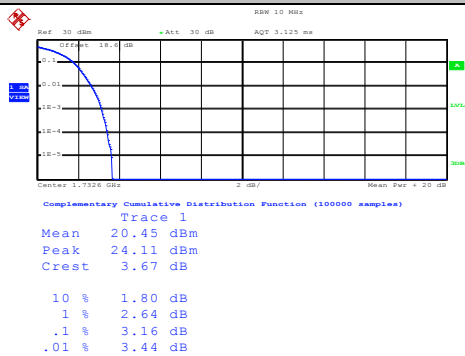
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



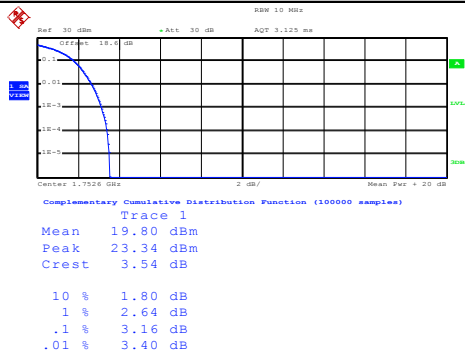
Date: 17.NOV.2015 14:48:54

Middle Channel



Date: 17.NOV.2015 14:49:04

Highest Channel



Date: 17.NOV.2015 14:49:14



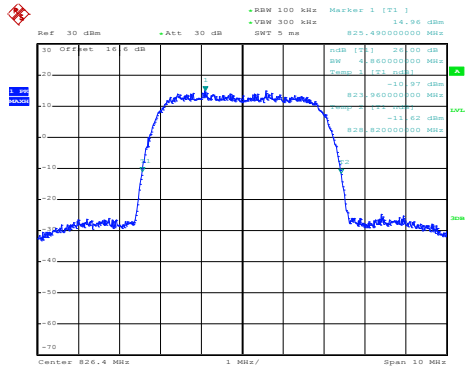
26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.86	4.87	4.83
Middle CH	4.84	4.87	4.80
Highest CH	4.83	4.86	4.84



WCDMA Band V (RMC 12.2Kbps)

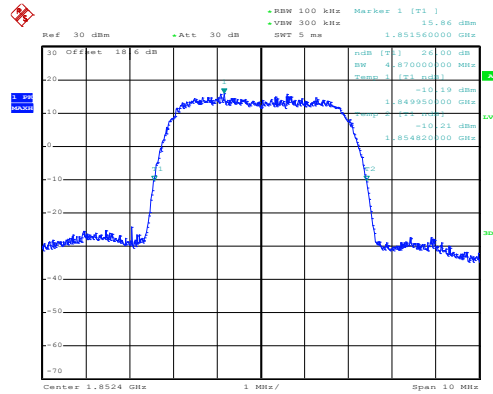
Lowest Channel



Date: 6.NOV.2015 15:08:14

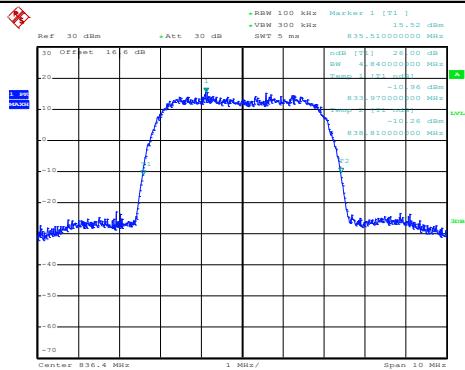
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



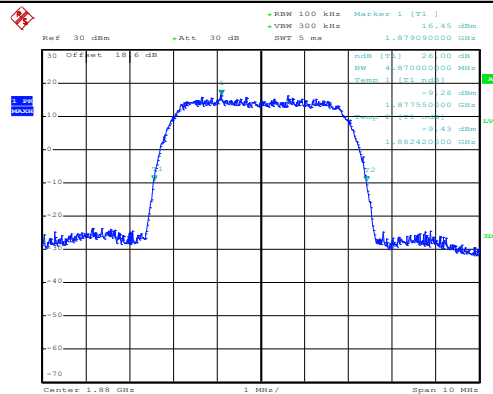
Date: 6.NOV.2015 14:45:06

Middle Channel



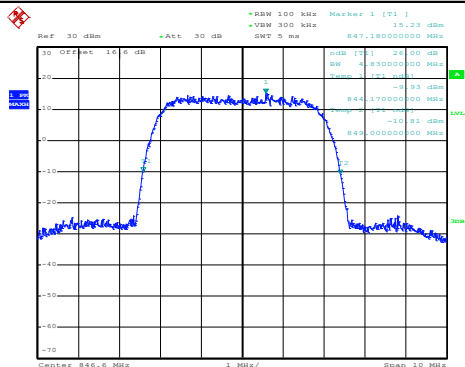
Date: 6.NOV.2015 15:08:42

Middle Channel



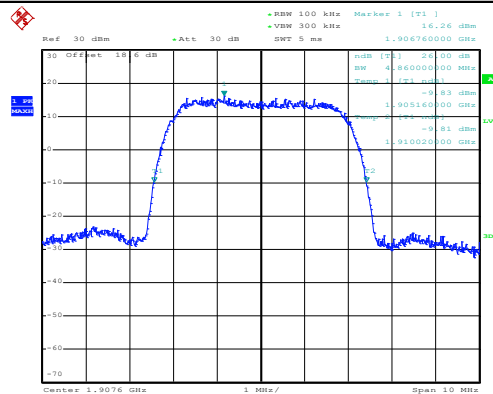
Date: 6.NOV.2015 14:45:34

Highest Channel



Date: 6.NOV.2015 15:09:10

Highest Channel

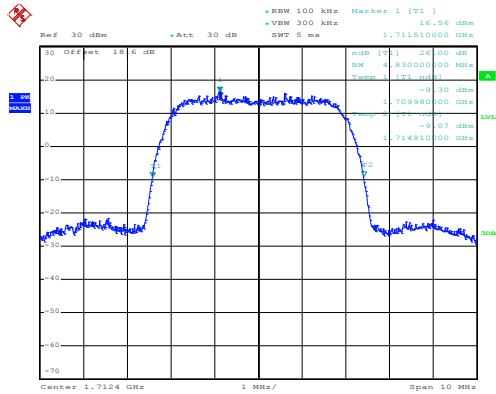


Date: 6.NOV.2015 14:46:02



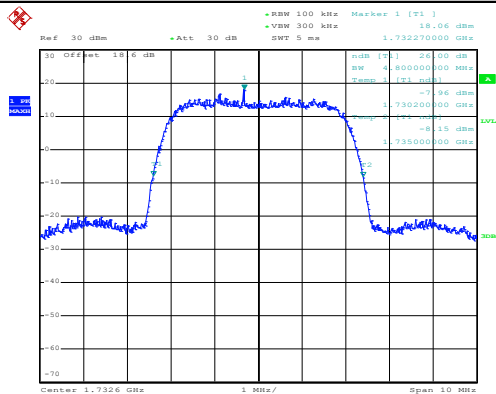
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



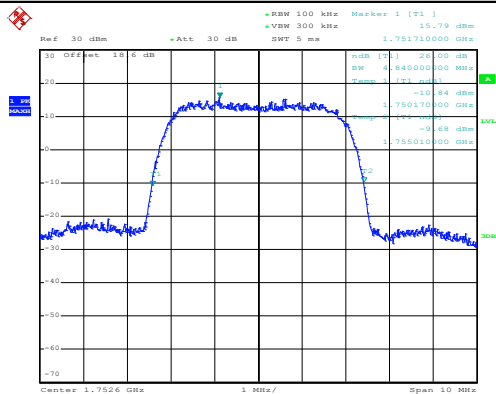
Date: 17.NOV.2015 14:37:18

Middle Channel



Date: 17.NOV.2015 14:37:46

Highest Channel

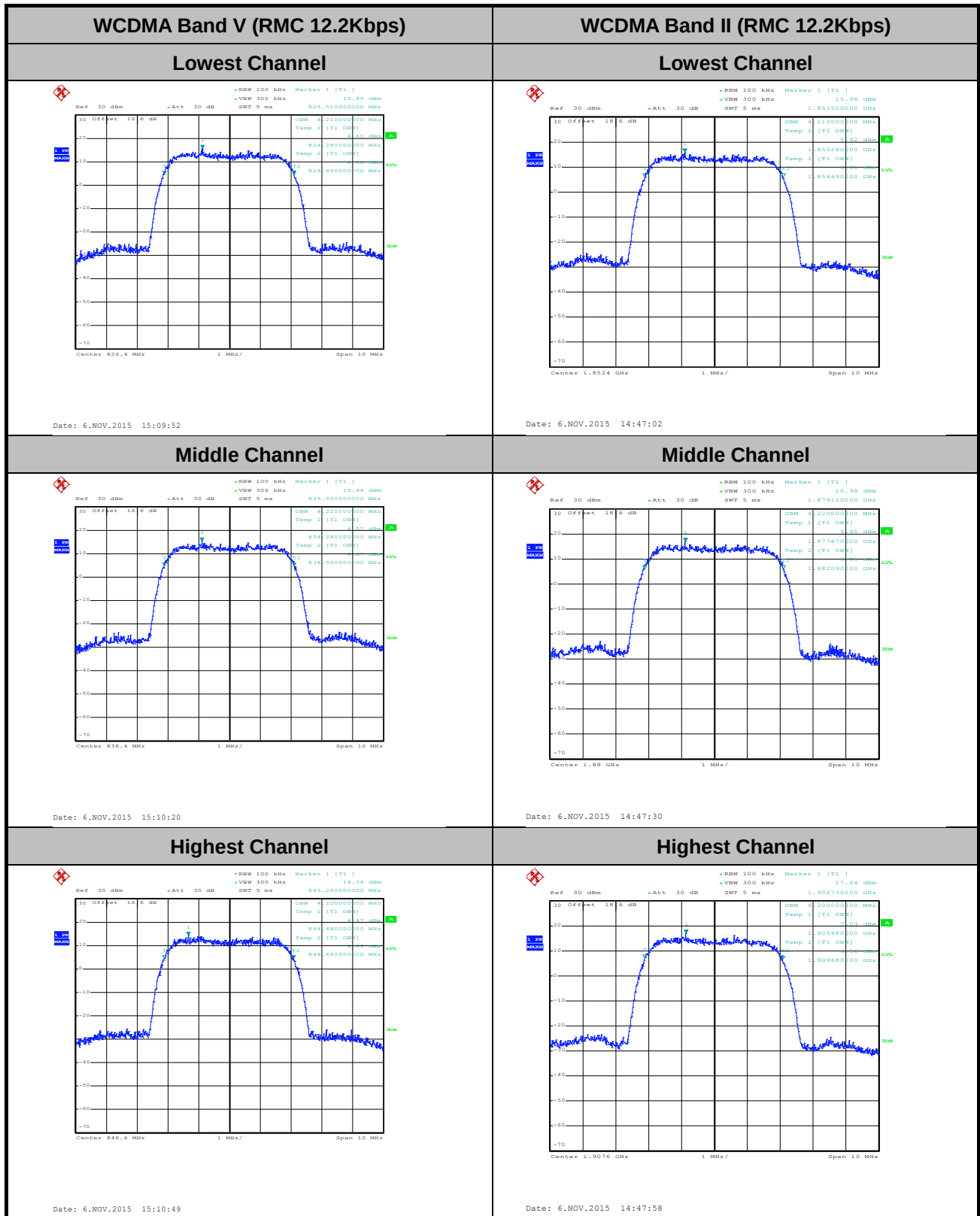


Date: 17.NOV.2015 14:38:14



Occupied Bandwidth

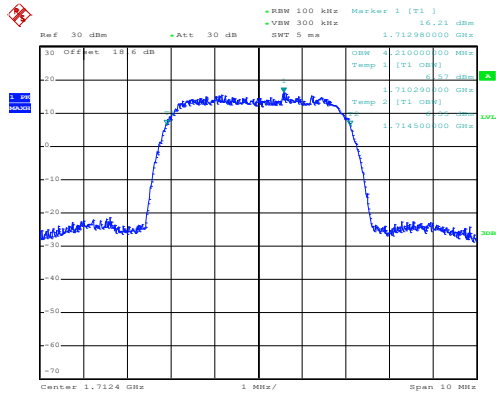
Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.21	4.21	4.21
Middle CH	4.22	4.22	4.21
Highest CH	4.20	4.20	4.21





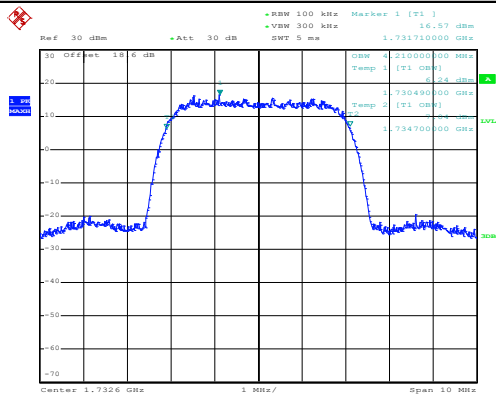
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



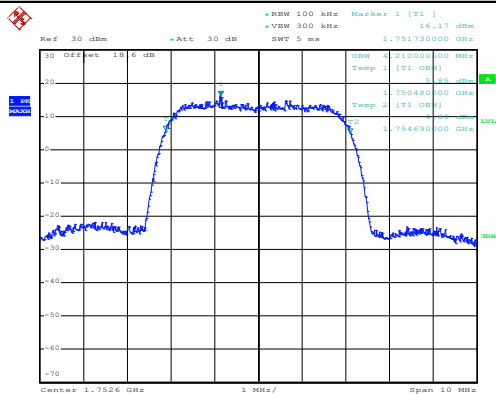
Date: 17.NOV.2015 14:38:58

Middle Channel



Date: 17.NOV.2015 14:39:26

Highest Channel



Date: 17.NOV.2015 14:39:54

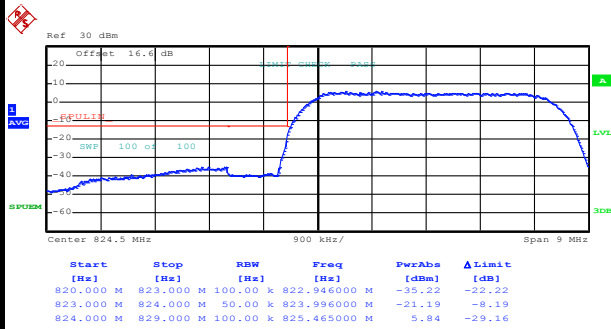


Conducted Band Edge



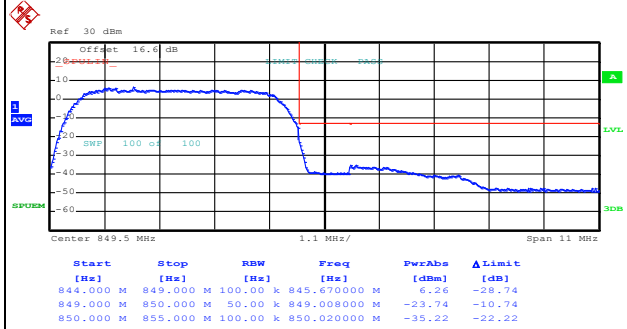
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 6.NOV.2015 15:14:26

Highest Band Edge

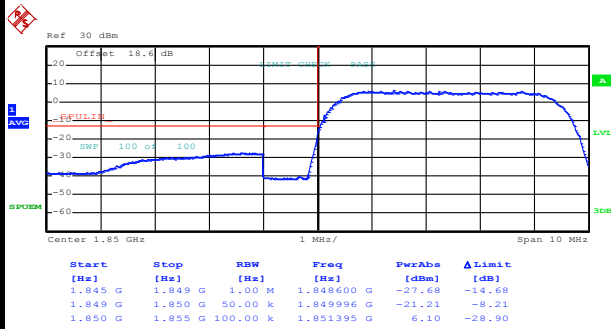


Date: 6.NOV.2015 15:17:56



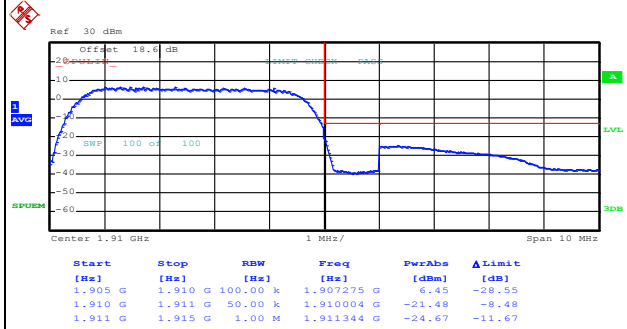
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 6.NOV.2015 14:55:32

Highest Band Edge

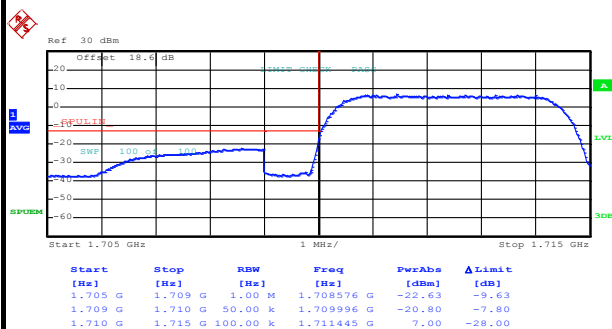


Date: 6.NOV.2015 14:59:54



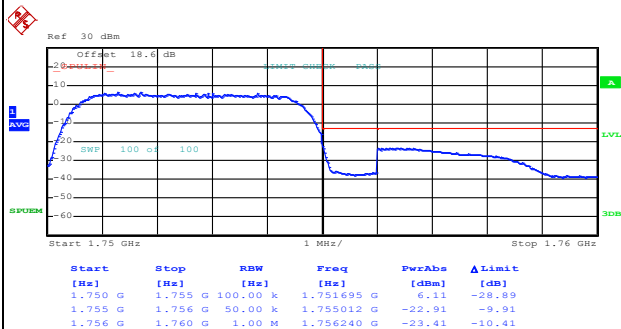
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Date: 17.NOV.2015 14:43:24

Highest Band Edge



Date: 17.NOV.2015 14:46:07

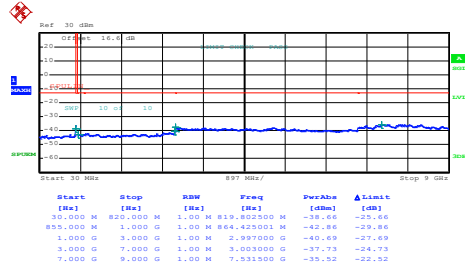


Conducted Spurious Emission



WCDMA Band V (RMC 12.2Kbps)

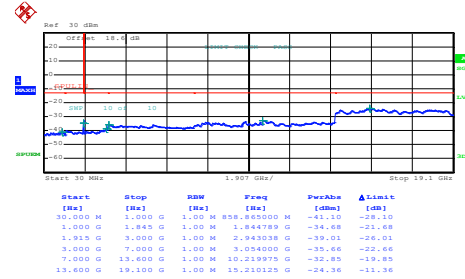
Lowest Channel



Date: 6.NOV.2015 15:18:36

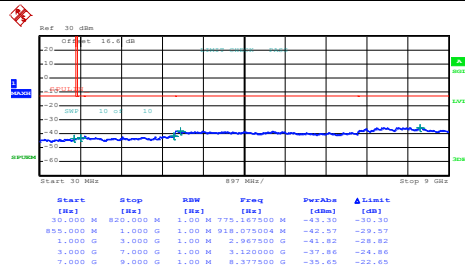
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



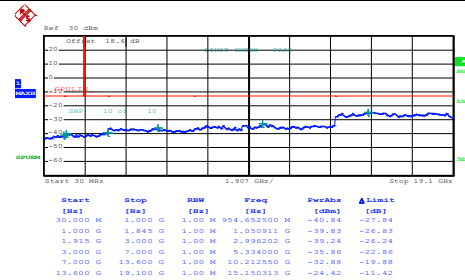
Date: 6.NOV.2015 15:02:38

Middle Channel



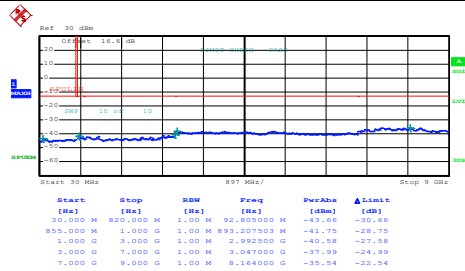
Date: 6.NOV.2015 15:19:06

Middle Channel



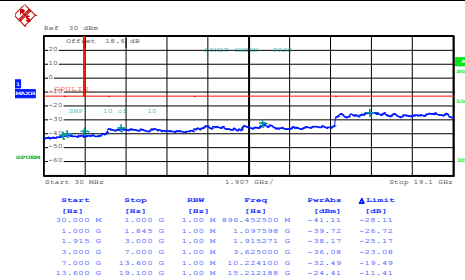
Date: 6.NOV.2015 15:03:08

Highest Channel



Date: 6.NOV.2015 15:19:36

Highest Channel

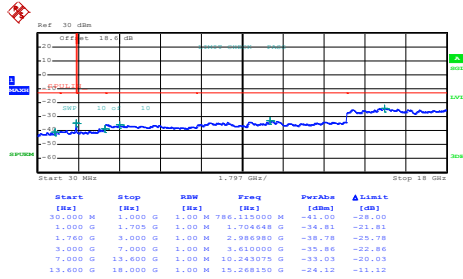


Date: 6.NOV.2015 15:03:38



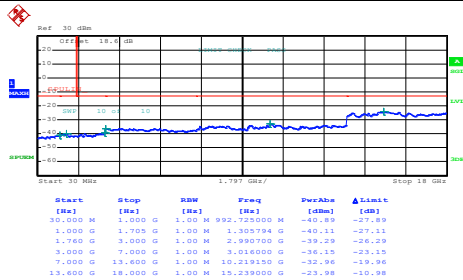
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



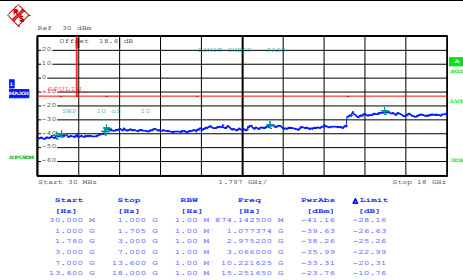
Date: 17.NOV.2015 14:47:03

Middle Channel



Date: 17.NOV.2015 14:47:32

Highest Channel



Date: 17.NOV.2015 14:48:02

**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	0.0084	PASS
40	Normal Voltage	0.0072	
30	Normal Voltage	0.0084	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0096	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0108	
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0096	
20	Maximum Voltage	0.0072	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0060	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0059	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0053	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0069	
20	Battery End Point	0.0064	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0092	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0087	
-10	Normal Voltage	0.0081	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0023	
20	Battery End Point	0.0000	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35 V
2. The frequency fundamental emissions stay within the authorized frequency block.