

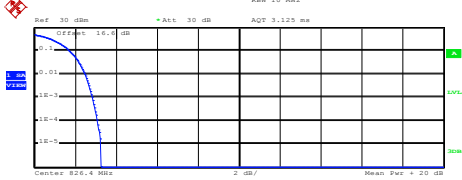
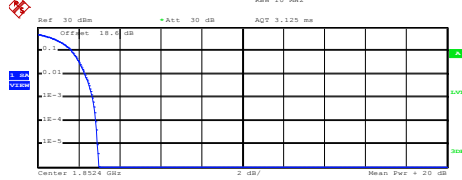
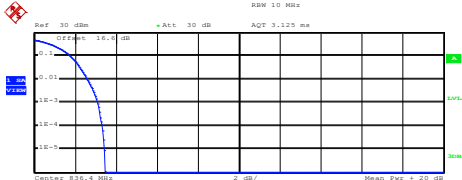
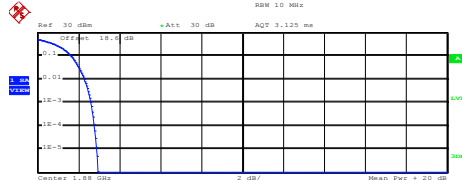
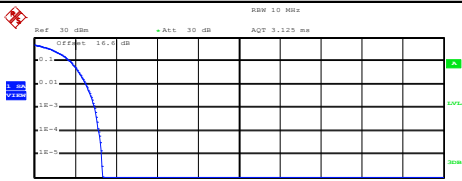
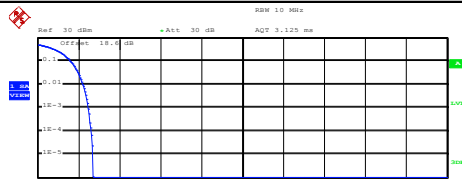


A2. WCDMA

Peak-to-Average Ratio

Mode	WCDMA Band V	WCDMA Band II	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	2.84	2.68	PASS
Middle CH	3.12	2.60	
Highest CH	2.96	2.48	



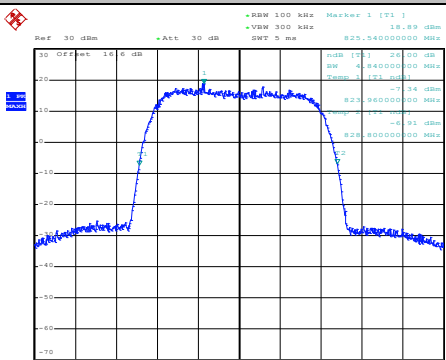
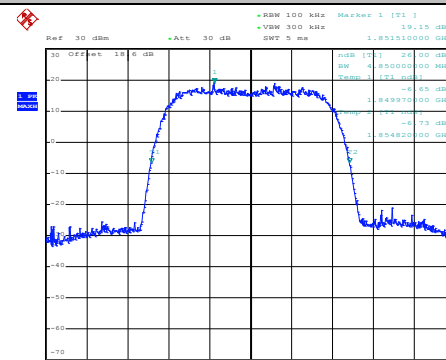
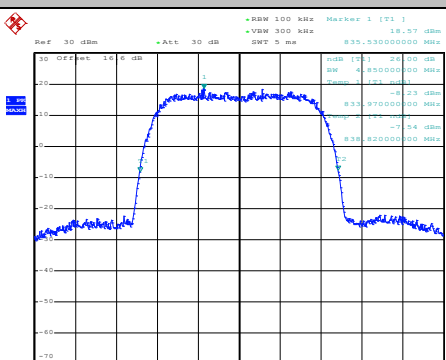
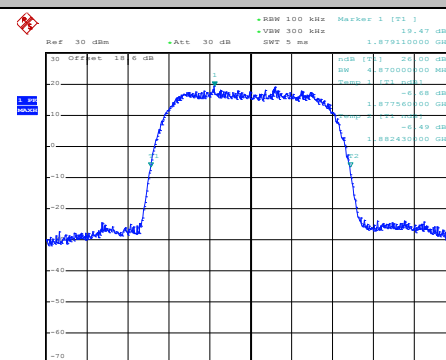
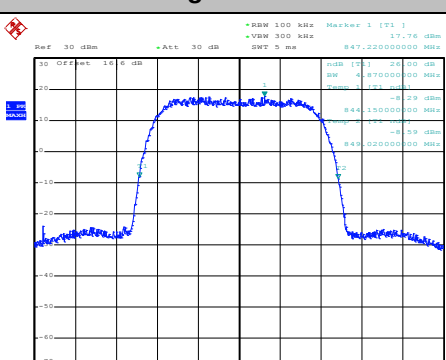
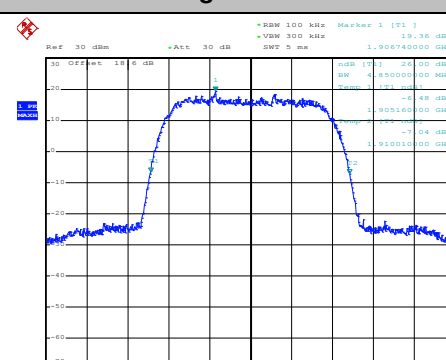
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																
Lowest Channel	Lowest Channel																
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 826.4 MHz, 2 dB/Hz, Mean: 22.32 dBm, Peak: 25.59 dBm, Crest: 3.27 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 22.32 dBm Peak: 25.59 dBm Crest: 3.27 dB <table><tr><td>10 %</td><td>1.72 dB</td></tr><tr><td>1 %</td><td>2.48 dB</td></tr><tr><td>.1 %</td><td>2.84 dB</td></tr><tr><td>.01 %</td><td>3.08 dB</td></tr></table> Date: 23.OCT.2015 16:58:49	10 %	1.72 dB	1 %	2.48 dB	.1 %	2.84 dB	.01 %	3.08 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 1.8524 GHz, 2 dB/Hz, Mean: 22.82 dBm, Peak: 25.81 dBm, Crest: 2.98 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 22.82 dBm Peak: 25.81 dBm Crest: 2.98 dB <table><tr><td>10 %</td><td>1.64 dB</td></tr><tr><td>1 %</td><td>2.32 dB</td></tr><tr><td>.1 %</td><td>2.68 dB</td></tr><tr><td>.01 %</td><td>2.84 dB</td></tr></table> Date: 23.OCT.2015 17:11:53	10 %	1.64 dB	1 %	2.32 dB	.1 %	2.68 dB	.01 %	2.84 dB
10 %	1.72 dB																
1 %	2.48 dB																
.1 %	2.84 dB																
.01 %	3.08 dB																
10 %	1.64 dB																
1 %	2.32 dB																
.1 %	2.68 dB																
.01 %	2.84 dB																
Middle Channel	Middle Channel																
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 836.4 MHz, 2 dB/Hz, Mean: 22.63 dBm, Peak: 26.09 dBm, Crest: 3.45 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 22.63 dBm Peak: 26.09 dBm Crest: 3.45 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>3.32 dB</td></tr></table> Date: 23.OCT.2015 16:58:58	10 %	1.76 dB	1 %	2.60 dB	.1 %	3.12 dB	.01 %	3.32 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 1.88 GHz, 2 dB/Hz, Mean: 23.21 dBm, Peak: 26.16 dBm, Crest: 2.95 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 23.21 dBm Peak: 26.16 dBm Crest: 2.95 dB <table><tr><td>10 %</td><td>1.64 dB</td></tr><tr><td>1 %</td><td>2.28 dB</td></tr><tr><td>.1 %</td><td>2.60 dB</td></tr><tr><td>.01 %</td><td>2.76 dB</td></tr></table> Date: 23.OCT.2015 17:12:02	10 %	1.64 dB	1 %	2.28 dB	.1 %	2.60 dB	.01 %	2.76 dB
10 %	1.76 dB																
1 %	2.60 dB																
.1 %	3.12 dB																
.01 %	3.32 dB																
10 %	1.64 dB																
1 %	2.28 dB																
.1 %	2.60 dB																
.01 %	2.76 dB																
Highest Channel	Highest Channel																
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 846.6 MHz, 2 dB/Hz, Mean: 22.48 dBm, Peak: 25.81 dBm, Crest: 3.32 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 22.48 dBm Peak: 25.81 dBm Crest: 3.32 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>2.96 dB</td></tr><tr><td>.01 %</td><td>3.16 dB</td></tr></table> Date: 23.OCT.2015 16:59:07	10 %	1.76 dB	1 %	2.52 dB	.1 %	2.96 dB	.01 %	3.16 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 1.9076 GHz, 2 dB/Hz, Mean: 22.76 dBm, Peak: 25.45 dBm, Crest: 2.70 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 22.76 dBm Peak: 25.45 dBm Crest: 2.70 dB <table><tr><td>10 %</td><td>1.60 dB</td></tr><tr><td>1 %</td><td>2.20 dB</td></tr><tr><td>.1 %</td><td>2.48 dB</td></tr><tr><td>.01 %</td><td>2.64 dB</td></tr></table> Date: 23.OCT.2015 17:12:12	10 %	1.60 dB	1 %	2.20 dB	.1 %	2.48 dB	.01 %	2.64 dB
10 %	1.76 dB																
1 %	2.52 dB																
.1 %	2.96 dB																
.01 %	3.16 dB																
10 %	1.60 dB																
1 %	2.20 dB																
.1 %	2.48 dB																
.01 %	2.64 dB																



26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.84	4.85
Middle CH	4.85	4.87
Highest CH	4.87	4.85



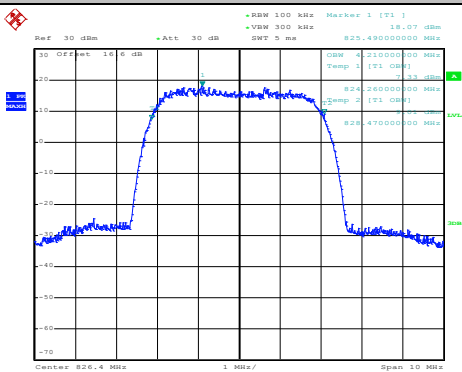
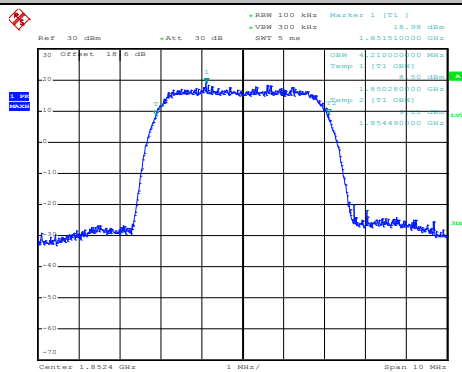
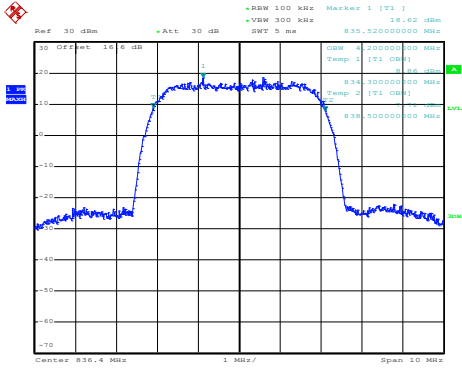
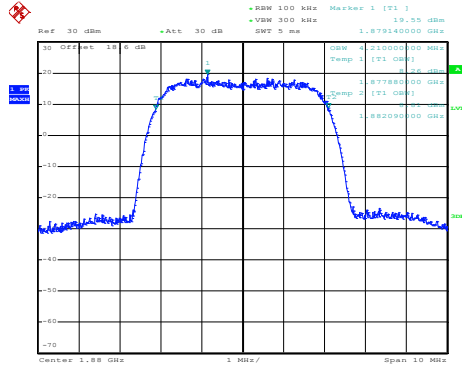
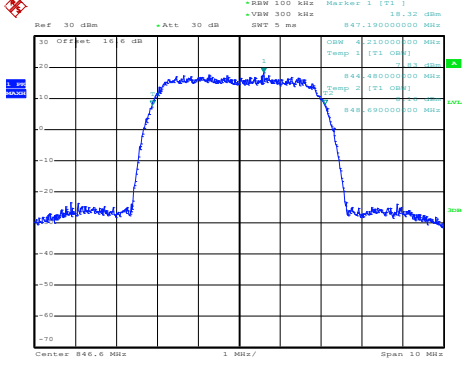
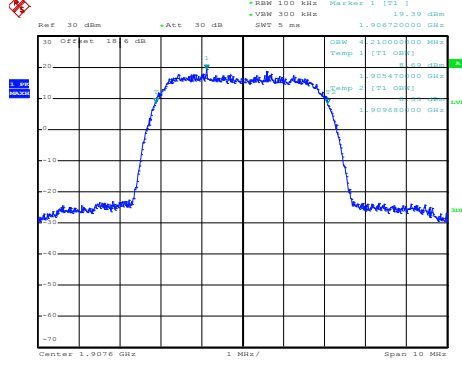
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel
 Date: 23.OCT.2015 16:43:43	 Date: 23.OCT.2015 17:00:41
Middle Channel	Middle Channel
 Date: 23.OCT.2015 16:44:13	 Date: 23.OCT.2015 17:01:11
Highest Channel	Highest Channel
 Date: 23.OCT.2015 16:44:44	 Date: 23.OCT.2015 17:01:40



Occupied Bandwidth

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



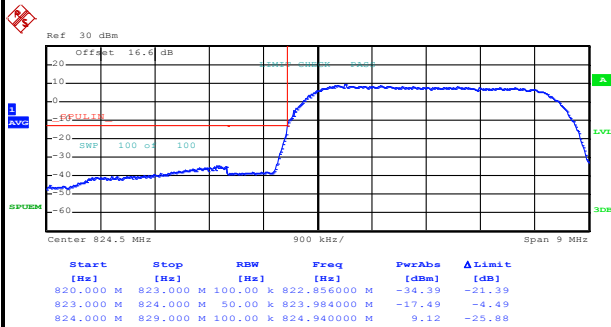
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel
 Date: 23.OCT.2015 16:45:23	 Date: 23.OCT.2015 17:02:22
Middle Channel	Middle Channel
 Date: 23.OCT.2015 16:45:53	 Date: 23.OCT.2015 17:02:56
Highest Channel	Highest Channel
 Date: 23.OCT.2015 16:46:24	 Date: 23.OCT.2015 17:03:29



Conducted Band Edge

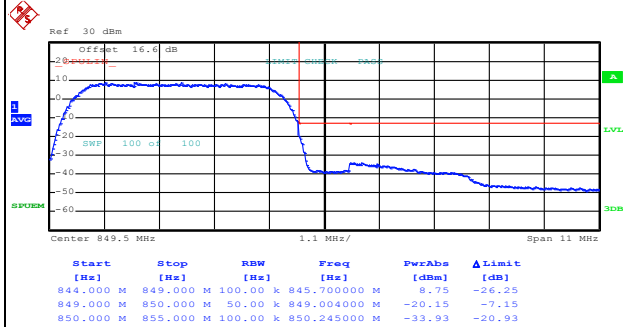
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 23.OCT.2015 16:52:35

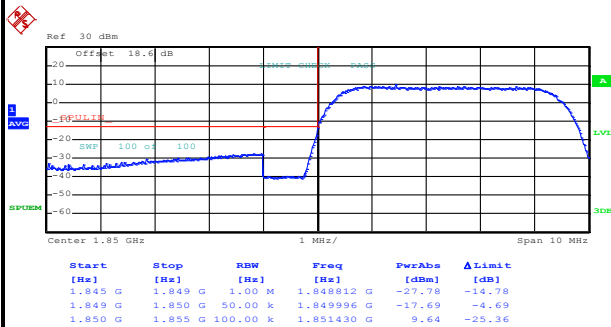
Highest Band Edge



Date: 23.OCT.2015 16:56:25

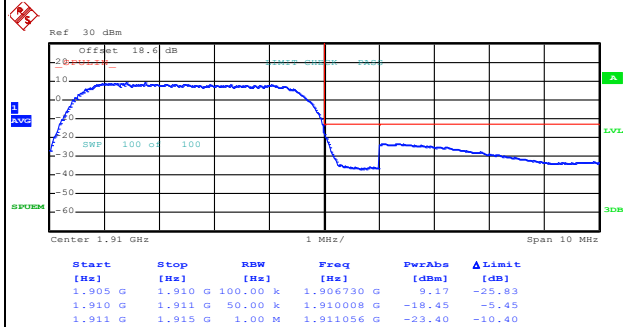
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 23.OCT.2015 17:06:20

Highest Band Edge



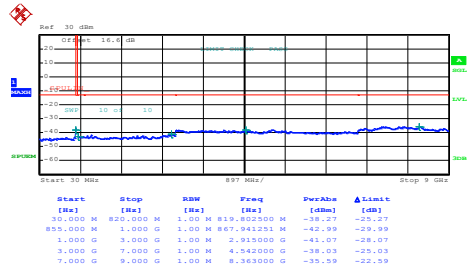
Date: 23.OCT.2015 17:09:07



Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

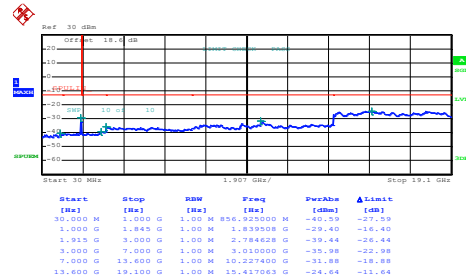
Lowest Channel



Date: 23.OCT.2015 16:57:14

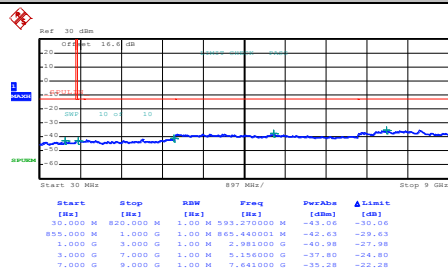
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



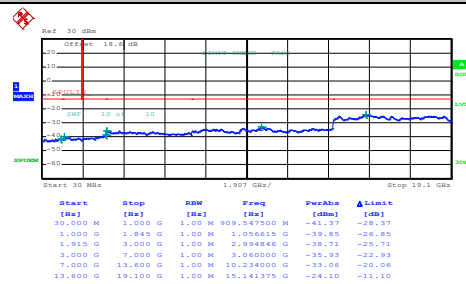
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Middle Channel



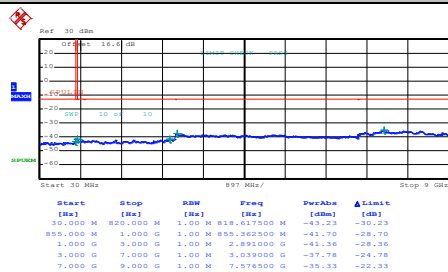
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Middle Channel



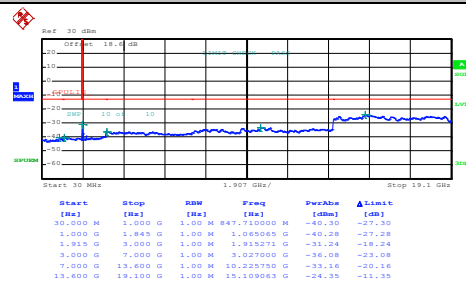
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Highest Channel



Date: 23.OCT.2015 16:58:16

Highest Channel



Date: 23.OCT.2015 17:11:19

**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	0.0167	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0179	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0132	
20	Maximum Voltage	0.0155	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0143	



Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0037	
30	Normal Voltage	0.0069	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0043	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0064	
20	Normal Voltage	0.0005	
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.