

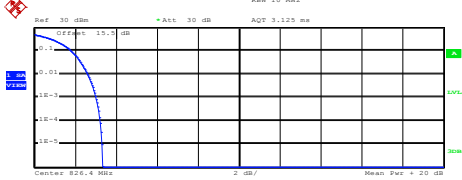
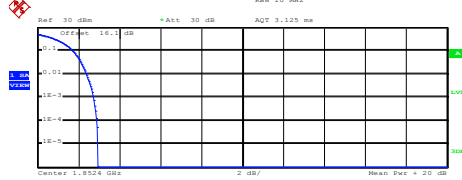
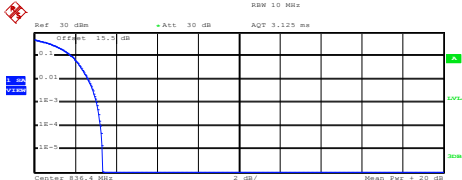
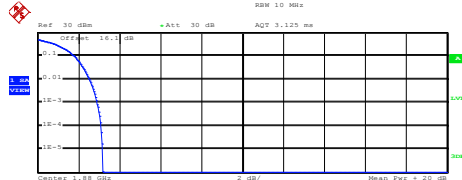
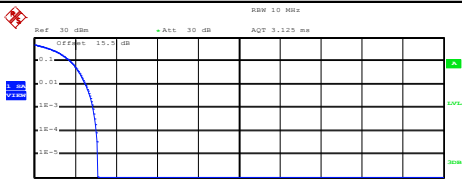
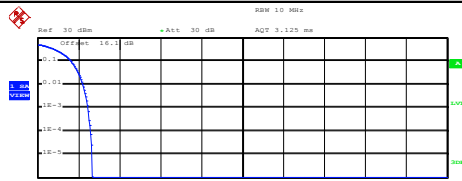


A3. WCDMA

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	3.04	2.72	2.68	PASS
Middle CH	3.04	2.92	2.44	
Highest CH	2.88	2.44	2.48	

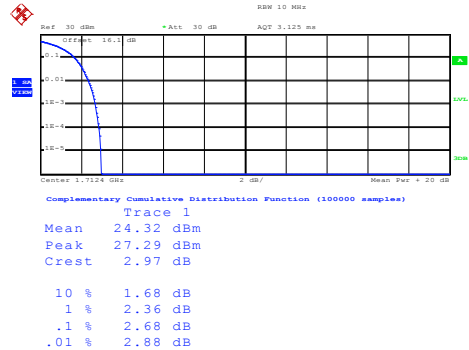


WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																
Lowest Channel	Lowest Channel																
 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 826.4 MHz 2 dB/ Mean: Per + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 24.95 dBm Peak: 28.28 dBm Crest: 3.33 dB <table><tr><td>10 %</td><td>1.80 dB</td></tr><tr><td>1 %</td><td>2.60 dB</td></tr><tr><td>.1 %</td><td>3.04 dB</td></tr><tr><td>.01 %</td><td>3.24 dB</td></tr></table> Date: 30.SEP.2016 11:56:50	10 %	1.80 dB	1 %	2.60 dB	.1 %	3.04 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: 23.65 dBm Peak: 26.59 dBm Crest: 2.94 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>2.72 dB</td></tr><tr><td>.01 %</td><td>2.88 dB</td></tr></table> Date: 30.SEP.2016 12:10:07	10 %	1.72 dB	1 %	2.40 dB	.1 %	2.72 dB	.01 %	2.88 dB
10 %	1.80 dB																
1 %	2.60 dB																
.1 %	3.04 dB																
.01 %	3.24 dB																
10 %	1.72 dB																
1 %	2.40 dB																
.1 %	2.72 dB																
.01 %	2.88 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: 24.81 dBm Peak: 28.14 dBm Crest: 3.33 dB <table><tr><td>10 %</td><td>1.84 dB</td></tr><tr><td>1 %</td><td>2.64 dB</td></tr><tr><td>.1 %</td><td>3.04 dB</td></tr><tr><td>.01 %</td><td>3.24 dB</td></tr></table> Date: 30.SEP.2016 11:57:06	10 %	1.84 dB	1 %	2.64 dB	.1 %	3.04 dB	.01 %	3.24 dB	 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 1.88 GHz 2 dB/ Mean: Per + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 23.68 dBm Peak: 26.87 dBm Crest: 3.19 dB <table><tr><td>10 %</td><td>1.80 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: 30.SEP.2016 12:10:32	10 %	1.80 dB	1 %	2.52 dB	.1 %	2.92 dB	.01 %	3.12 dB
10 %	1.84 dB																
1 %	2.64 dB																
.1 %	3.04 dB																
.01 %	3.24 dB																
10 %	1.80 dB																
1 %	2.52 dB																
.1 %	2.92 dB																
.01 %	3.12 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: 25.03 dBm Peak: 28.14 dBm Crest: 3.11 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>3.04 dB</td></tr></table> Date: 30.SEP.2016 11:57:33	10 %	1.76 dB	1 %	2.52 dB	.1 %	2.88 dB	.01 %	3.04 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: 23.72 dBm Peak: 26.38 dBm Crest: 2.66 dB <table><tr><td>10 %</td><td>1.64 dB</td></tr><tr><td>1 %</td><td>2.20 dB</td></tr><tr><td>.1 %</td><td>2.44 dB</td></tr><tr><td>.01 %</td><td>2.60 dB</td></tr></table> Date: 30.SEP.2016 12:10:49	10 %	1.64 dB	1 %	2.20 dB	.1 %	2.44 dB	.01 %	2.60 dB
10 %	1.76 dB																
1 %	2.52 dB																
.1 %	2.88 dB																
.01 %	3.04 dB																
10 %	1.64 dB																
1 %	2.20 dB																
.1 %	2.44 dB																
.01 %	2.60 dB																



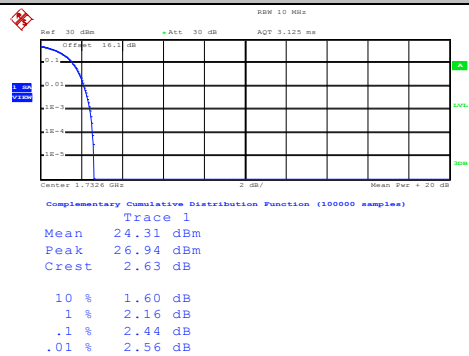
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



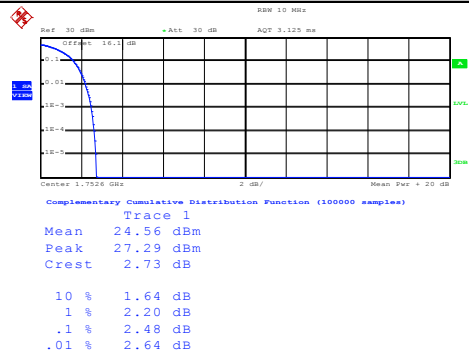
Date: 30.SEP.2016 13:51:33

Middle Channel



Date: 30.SEP.2016 13:51:46

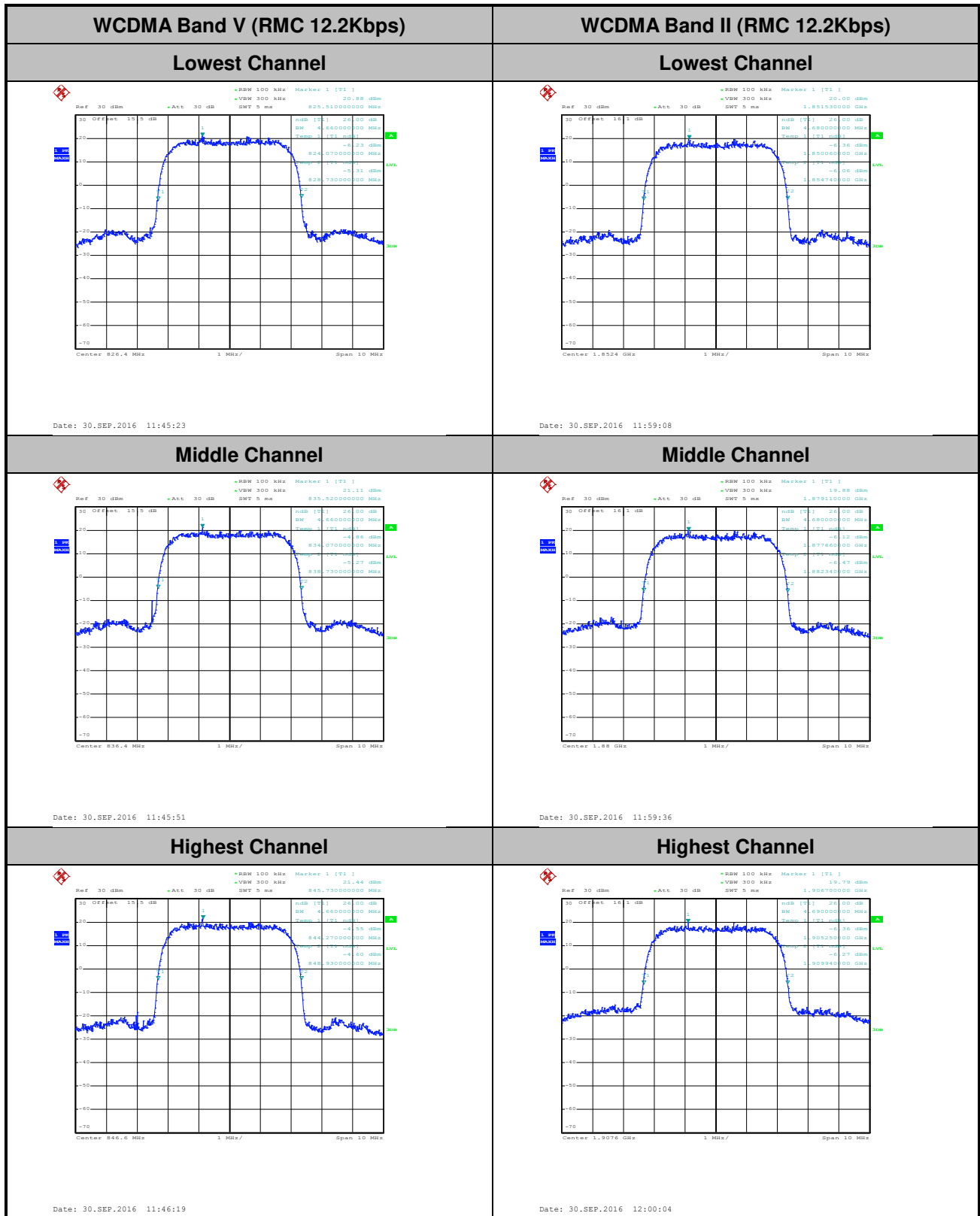
Highest Channel



Date: 30.SEP.2016 13:52:22

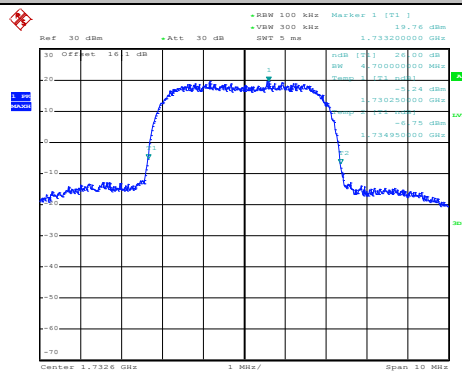
**26dB Bandwidth**

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.66	4.68	4.68
Middle CH	4.66	4.68	4.70
Highest CH	4.66	4.69	4.68

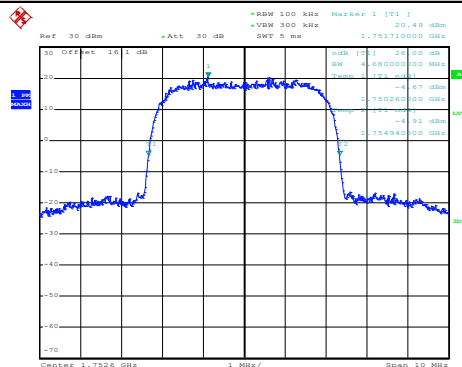


[illegible]

Middle Channel



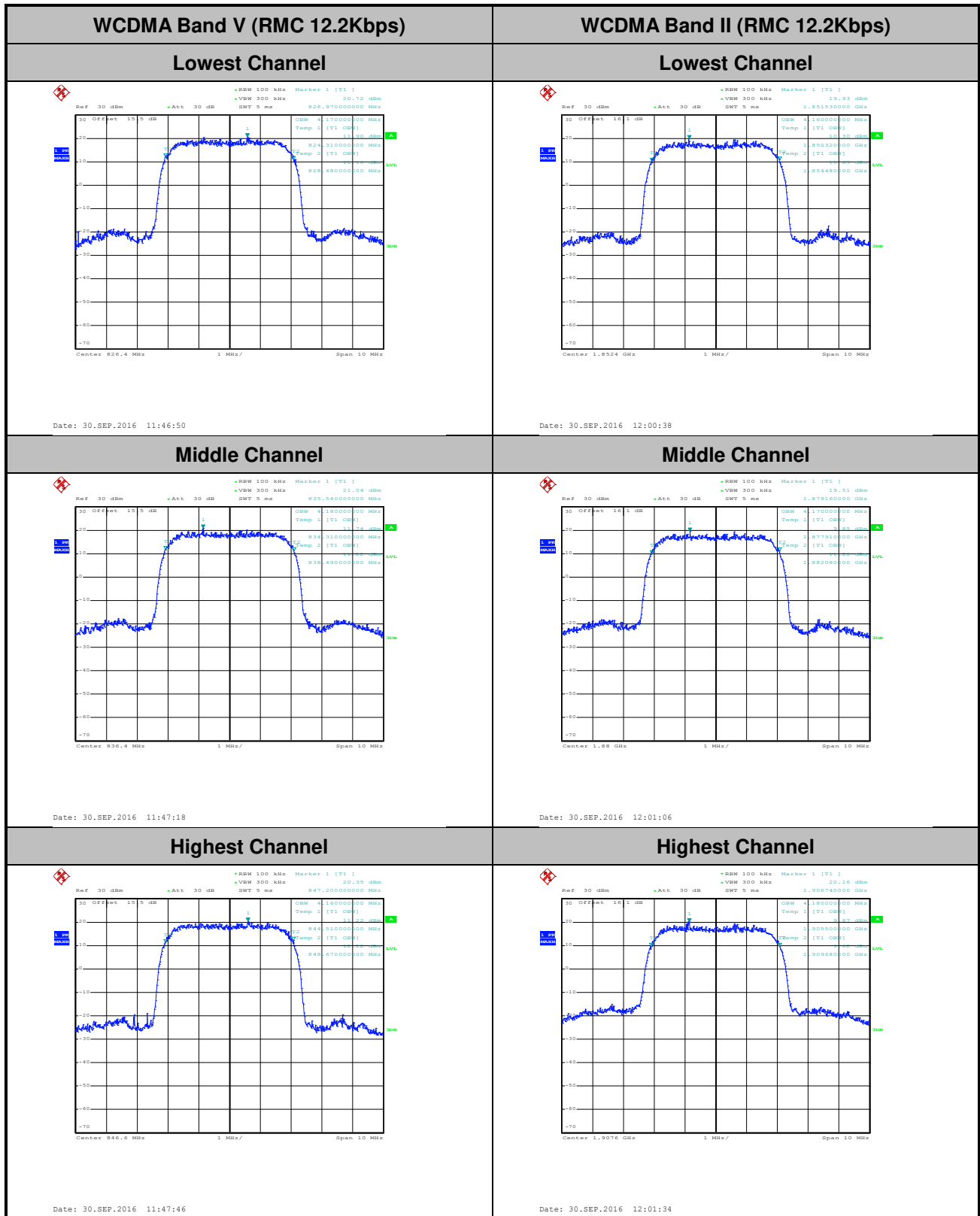
Highest Channel

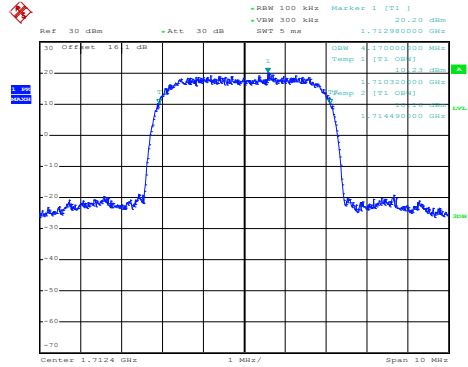


: A3-6 of 15

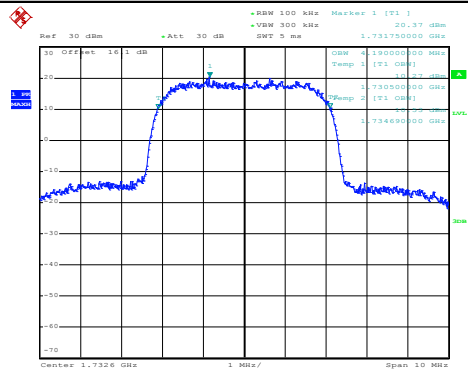
**Occupied Bandwidth**

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	4.17
Middle CH	4.18	4.17	4.19
Highest CH	4.16	4.18	4.17

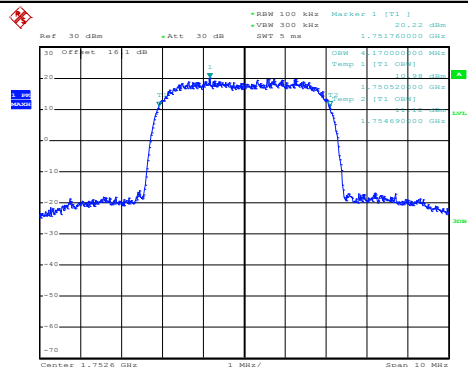


WCDMA Band IV (RMC 12.2Kbps)
Lowest Channel


Date: 30.SEP.2016 12:13:24

Middle Channel


Date: 30.SEP.2016 12:13:52

Highest Channel


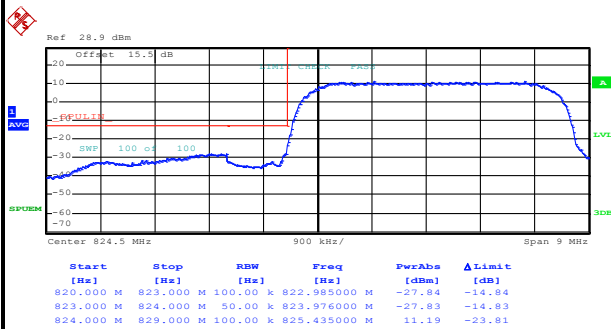
Date: 30.SEP.2016 12:14:20



Conducted Band Edge

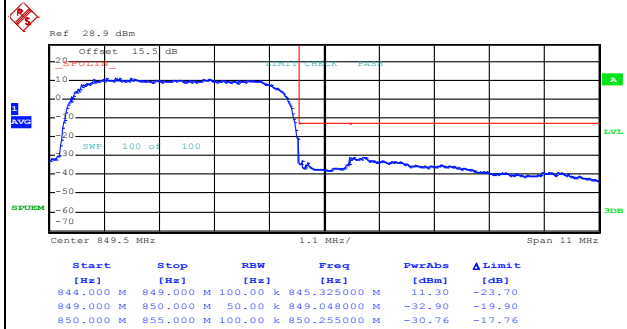
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 30.SEP.2016 11:50:30

Highest Band Edge

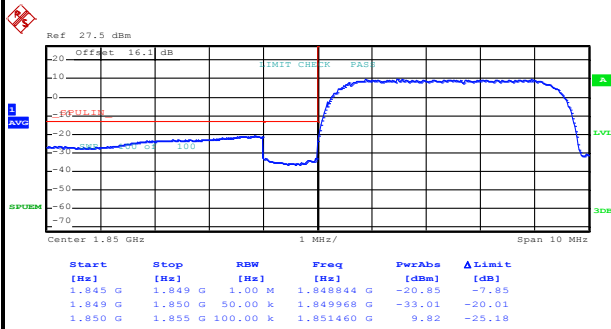


Date: 30.SEP.2016 11:53:12



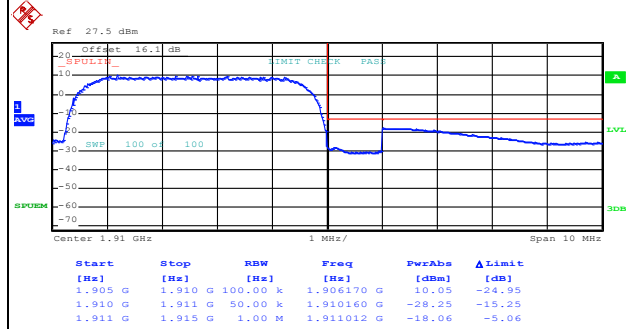
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 30.SEP.2016 12:04:39

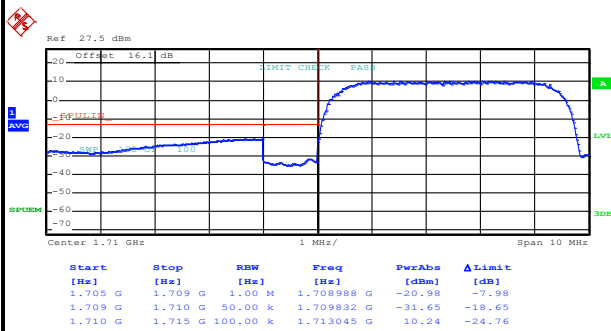
Highest Band Edge



Date: 30.SEP.2016 12:07:21

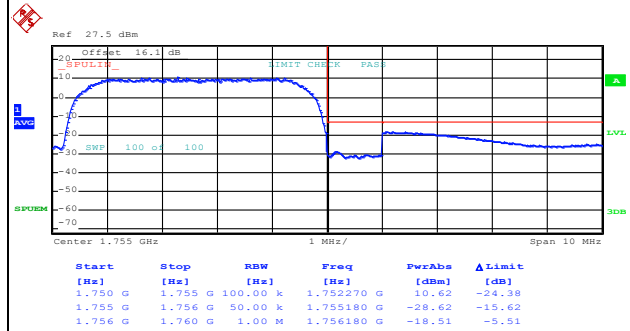
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Date: 30.SEP.2016 12:17:11

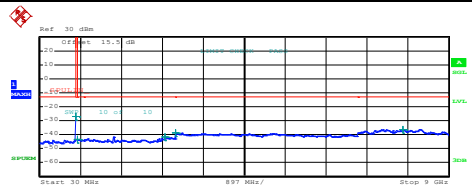
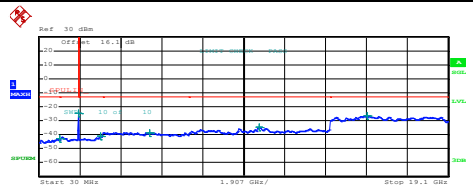
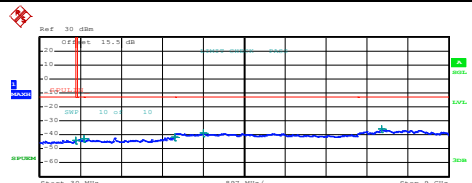
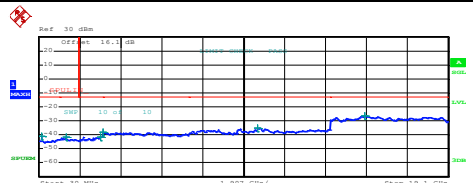
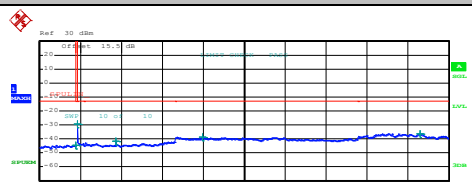
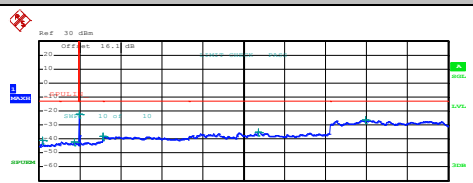
Highest Band Edge

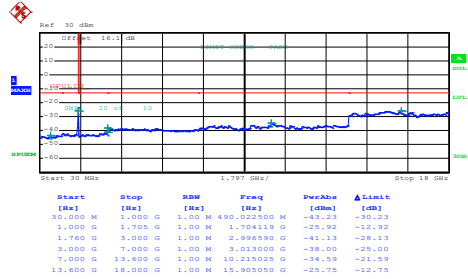


Date: 30.SEP.2016 12:19:53

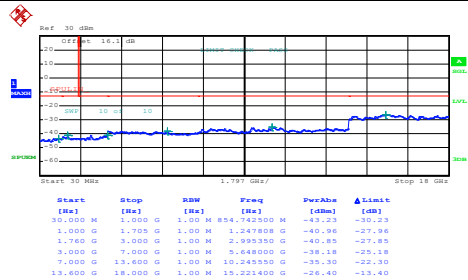


Conducted Spurious Emission

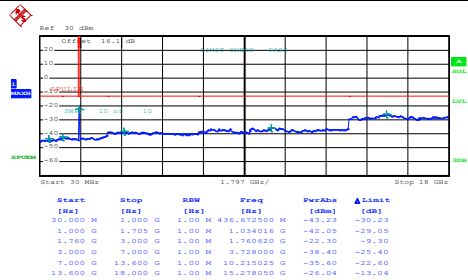
WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)																																																																																										
Lowest Channel	Lowest Channel																																																																																										
 <table><tr><th>Start</th><th>Stop</th><th>RBW</th><th>Freq</th><th>PerAbs</th><th>ΔLimit</th></tr><tr><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[dBm]</th><th>[dB]</th></tr><tr><td>30,000 M</td><td>820,000 M</td><td>1,00 M</td><td>819,210000 M</td><td>-26.93</td><td>-13.93</td></tr><tr><td>855,000 M</td><td>1,000 G</td><td>1,00 M</td><td>857,682000 M</td><td>-43.28</td><td>-30.28</td></tr><tr><td>1,000 G</td><td>3,000 G</td><td>1,00 M</td><td>2,778000 G</td><td>-42.72</td><td>-28.72</td></tr><tr><td>3,000 G</td><td>7,000 G</td><td>1,00 M</td><td>3,015000 G</td><td>-38.60</td><td>-25.60</td></tr><tr><td>7,000 G</td><td>9,000 G</td><td>1,00 M</td><td>7,989000 G</td><td>-36.49</td><td>-23.49</td></tr></table> Date: 30.SEP.2016 11:54:31	Start	Stop	RBW	Freq	PerAbs	ΔLimit	[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]	30,000 M	820,000 M	1,00 M	819,210000 M	-26.93	-13.93	855,000 M	1,000 G	1,00 M	857,682000 M	-43.28	-30.28	1,000 G	3,000 G	1,00 M	2,778000 G	-42.72	-28.72	3,000 G	7,000 G	1,00 M	3,015000 G	-38.60	-25.60	7,000 G	9,000 G	1,00 M	7,989000 G	-36.49	-23.49	 <table><tr><th>Start</th><th>Stop</th><th>RBW</th><th>Freq</th><th>PerAbs</th><th>ΔLimit</th></tr><tr><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[dBm]</th><th>[dB]</th></tr><tr><td>30,000 M</td><td>1,000 G</td><td>1,00 M</td><td>888,360000 M</td><td>-42.89</td><td>-29.89</td></tr><tr><td>1,000 G</td><td>1,845 G</td><td>1,00 M</td><td>1,844789 G</td><td>-24.88</td><td>-11.88</td></tr><tr><td>1,915 G</td><td>3,000 G</td><td>1,00 M</td><td>2,880000 G</td><td>-41.11</td><td>-28.11</td></tr><tr><td>3,000 G</td><td>7,000 G</td><td>1,00 M</td><td>5,166000 G</td><td>-38.50</td><td>-25.50</td></tr><tr><td>7,000 G</td><td>13,600 G</td><td>1,00 M</td><td>10,271125 G</td><td>-34.58</td><td>-21.58</td></tr><tr><td>13,600 G</td><td>19,100 G</td><td>1,00 M</td><td>15,308438 G</td><td>-26.30</td><td>-13.30</td></tr></table> Date: 30.SEP.2016 12:08:13	Start	Stop	RBW	Freq	PerAbs	ΔLimit	[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]	30,000 M	1,000 G	1,00 M	888,360000 M	-42.89	-29.89	1,000 G	1,845 G	1,00 M	1,844789 G	-24.88	-11.88	1,915 G	3,000 G	1,00 M	2,880000 G	-41.11	-28.11	3,000 G	7,000 G	1,00 M	5,166000 G	-38.50	-25.50	7,000 G	13,600 G	1,00 M	10,271125 G	-34.58	-21.58	13,600 G	19,100 G	1,00 M	15,308438 G	-26.30	-13.30
Start	Stop	RBW	Freq	PerAbs	ΔLimit																																																																																						
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]																																																																																						
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Start	Stop	RBW	Freq	PerAbs	ΔLimit																																																																																						
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]																																																																																						
30,000 M	820,000 M	1,00 M	817,630000 M	-43.81	-30.81																																																																																						
855,000 M	1,000 G	1,00 M	932,983760 M	-43.02	-30.02																																																																																						
1,000 G	3,000 G	1,00 M	2,992000 G	-41.70	-28.70																																																																																						
3,000 G	7,000 G	1,00 M	3,613000 G	-38.84	-25.84																																																																																						
7,000 G	9,000 G	1,00 M	7,933000 G	-35.98	-22.98																																																																																						
Start	Stop	RBW	Freq	PerAbs	ΔLimit																																																																																						
[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]																																																																																						
30,000 M	1,000 G	1,00 M	141,085000 M	-40.85	-27.85																																																																																						
1,000 G	1,845 G	1,00 M	1,350186 G	-41.77	-28.77																																																																																						
1,915 G	3,000 G	1,00 M	2,880107 G	-41.41	-28.41																																																																																						
3,000 G	7,000 G	1,00 M	3,020000 G	-38.10	-25.10																																																																																						
7,000 G	13,600 G	1,00 M	10,232500 G	-35.35	-22.35																																																																																						
13,600 G	19,100 G	1,00 M	15,220437 G	-26.72	-13.72																																																																																						
Highest Channel	Highest Channel																																																																																										
 <table><tr><th>Start</th><th>Stop</th><th>RBW</th><th>Freq</th><th>PerAbs</th><th>ΔLimit</th></tr><tr><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[dBm]</th><th>[dB]</th></tr><tr><td>30,000 M</td><td>820,000 M</td><td>1,00 M</td><td>815,832000 M</td><td>-44.27</td><td>-31.27</td></tr><tr><td>855,000 M</td><td>1,000 G</td><td>1,00 M</td><td>855,108750 M</td><td>-29.13</td><td>-16.13</td></tr><tr><td>1,000 G</td><td>3,000 G</td><td>1,00 M</td><td>1,690000 G</td><td>-41.79</td><td>-28.79</td></tr><tr><td>3,000 G</td><td>7,000 G</td><td>1,00 M</td><td>3,607000 G</td><td>-38.44</td><td>-25.44</td></tr><tr><td>7,000 G</td><td>9,000 G</td><td>1,00 M</td><td>8,367000 G</td><td>-36.11</td><td>-23.11</td></tr></table> Date: 30.SEP.2016 11:56:02	Start	Stop	RBW	Freq	PerAbs	ΔLimit	[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]	30,000 M	820,000 M	1,00 M	815,832000 M	-44.27	-31.27	855,000 M	1,000 G	1,00 M	855,108750 M	-29.13	-16.13	1,000 G	3,000 G	1,00 M	1,690000 G	-41.79	-28.79	3,000 G	7,000 G	1,00 M	3,607000 G	-38.44	-25.44	7,000 G	9,000 G	1,00 M	8,367000 G	-36.11	-23.11	 <table><tr><th>Start</th><th>Stop</th><th>RBW</th><th>Freq</th><th>PerAbs</th><th>ΔLimit</th></tr><tr><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[Hz]</th><th>[dBm]</th><th>[dB]</th></tr><tr><td>30,000 M</td><td>1,000 G</td><td>1,00 M</td><td>170,165000 M</td><td>-41.23</td><td>-28.23</td></tr><tr><td>1,000 G</td><td>1,845 G</td><td>1,00 M</td><td>1,661213 G</td><td>-42.42</td><td>-29.42</td></tr><tr><td>1,915 G</td><td>3,000 G</td><td>1,00 M</td><td>1,935042 G</td><td>-22.08</td><td>-9.08</td></tr><tr><td>3,000 G</td><td>7,000 G</td><td>1,00 M</td><td>3,000000 G</td><td>-38.15</td><td>-25.15</td></tr><tr><td>7,000 G</td><td>13,600 G</td><td>1,00 M</td><td>10,248025 G</td><td>-35.09</td><td>-22.09</td></tr><tr><td>13,600 G</td><td>19,100 G</td><td>1,00 M</td><td>15,251375 G</td><td>-26.49</td><td>-13.49</td></tr></table> Date: 30.SEP.2016 12:09:44	Start	Stop	RBW	Freq	PerAbs	ΔLimit	[Hz]	[Hz]	[Hz]	[Hz]	[dBm]	[dB]	30,000 M	1,000 G	1,00 M	170,165000 M	-41.23	-28.23	1,000 G	1,845 G	1,00 M	1,661213 G	-42.42	-29.42	1,915 G	3,000 G	1,00 M	1,935042 G	-22.08	-9.08	3,000 G	7,000 G	1,00 M	3,000000 G	-38.15	-25.15	7,000 G	13,600 G	1,00 M	10,248025 G	-35.09	-22.09	13,600 G	19,100 G	1,00 M	15,251375 G	-26.49	-13.49
Start	Stop	RBW	Freq	PerAbs	ΔLimit																																																																																						
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WCDMA Band IV (RMC 12.2Kbps)
Lowest Channel


Date: 30.SEP.2016 13:49:24

Middle Channel


Date: 30.SEP.2016 13:50:09

Highest Channel


Date: 30.SEP.2016 13:50:55

**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	0.0012	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0215	
0	Normal Voltage	0.0203	
-10	Normal Voltage	0.0167	
-20	Normal Voltage	0.0167	
-30	Normal Voltage	0.0191	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0024	

Test Conditions	Middle Channel	WCDMA Band II (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0138	
-10	Normal Voltage	0.0149	
-20	Normal Voltage	0.0154	
-30	Normal Voltage	0.0154	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
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	0.0035	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0265	
0	Normal Voltage	0.0260	
-10	Normal Voltage	0.0271	
-20	Normal Voltage	0.0265	
-30	Normal Voltage	0.0271	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.4 V
2. The frequency fundamental emissions stay within the authorized frequency block based.