



Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power)

Conducted Power (*Unit: dBm)									
Band	WCDMA Band V			WCDMA Band II			WCDMA Band IV		
Channel	4132	4182	4233	9262	9400	9538	1312	1413	1513
Frequency	826.4	836.4	846.6	1852.4	1880	1907.6	1712.4	1732.6	1752.6
RMC 12.2K	22.69	22.46	22.80	22.53	22.56	22.06	22.40	22.36	22.85
HSDPA Subtest-1	21.73	21.72	21.82	21.80	21.61	21.02	21.62	21.54	21.89
HSDPA Subtest-2	21.78	21.72	21.81	21.71	21.57	21.15	21.63	21.57	21.89
HSDPA Subtest-3	21.27	21.25	21.33	21.09	21.08	20.61	21.02	21.01	21.33
HSDPA Subtest-4	21.29	21.25	21.38	21.10	21.14	20.60	21.09	21.00	21.34
HSUPA Subtest-1	21.70	21.24	21.75	21.16	21.35	21.00	21.49	21.44	21.32
HSUPA Subtest-2	20.50	20.44	20.43	20.27	20.50	19.00	20.40	20.05	20.50
HSUPA Subtest-3	20.72	20.45	20.02	20.40	20.51	19.92	20.07	19.70	20.55
HSUPA Subtest-4	21.00	21.00	20.86	21.00	21.00	20.90	20.94	20.35	21.00
HSUPA Subtest-5	21.80	21.78	21.90	21.52	21.62	21.01	21.38	21.38	21.77

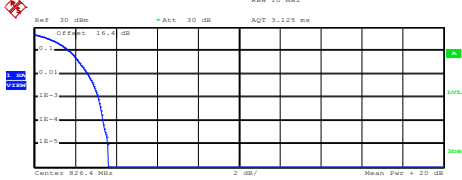
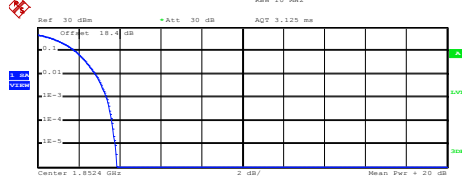
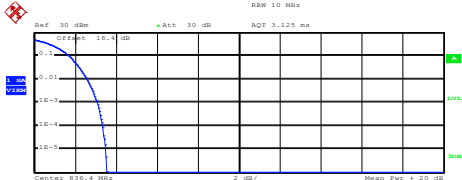
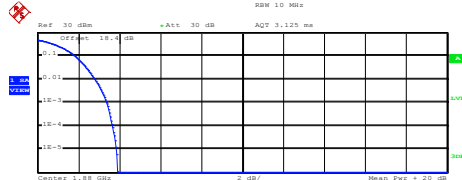
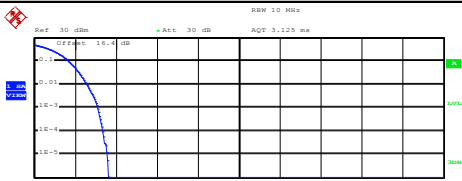
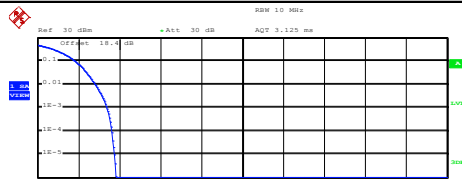


A. WCDMA

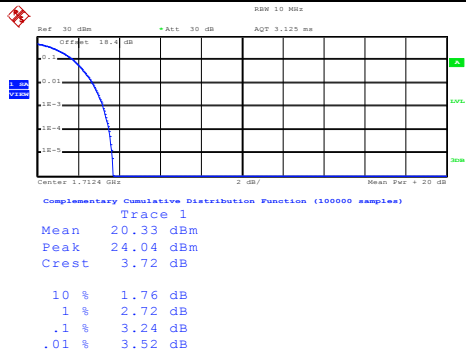
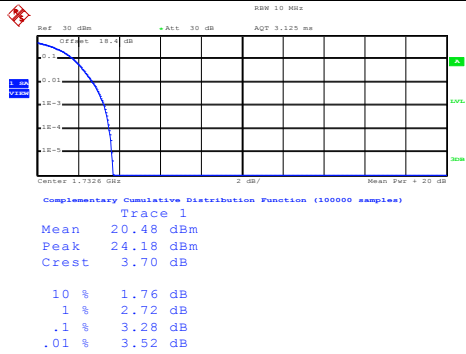
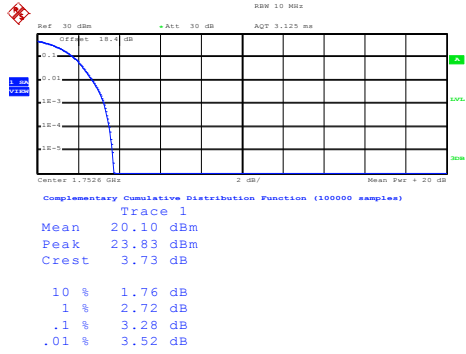
Peak-to-Average Ratio

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	3.16	3.36	3.24	PASS
Middle CH	3.08	3.36	3.28	
Highest CH	3.12	3.40	3.28	



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: 19.71 dBm Peak: 23.34 dBm Crest: 3.63 dB <table><tr><td>10 %</td><td>1.72 dB</td></tr><tr><td>1 %</td><td>2.60 dB</td></tr><tr><td>.1 %</td><td>3.16 dB</td></tr><tr><td>.01 %</td><td>3.36 dB</td></tr></table> Date: 10.NOV.2015 10:57:19	10 %	1.72 dB	1 %	2.60 dB	.1 %	3.16 dB	.01 %	3.36 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: 19.83 dBm Peak: 23.69 dBm Crest: 3.86 dB <table><tr><td>10 %</td><td>1.84 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: 10.NOV.2015 11:28:35	10 %	1.84 dB	1 %	2.80 dB	.1 %	3.36 dB	.01 %	3.64 dB
10 %	1.72 dB																
1 %	2.60 dB																
.1 %	3.16 dB																
.01 %	3.36 dB																
10 %	1.84 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: 836.4 MHz 2 dB/ Mean: Per + 20 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 19.24 dBm Peak: 22.77 dBm Crest: 3.53 dB <table><tr><td>10 %</td><td>1.72 dB</td></tr><tr><td>1 %</td><td>2.60 dB</td></tr><tr><td>.1 %</td><td>3.08 dB</td></tr><tr><td>.01 %</td><td>3.36 dB</td></tr></table> Date: 10.NOV.2015 10:57:27	10 %	1.72 dB	1 %	2.60 dB	.1 %	3.08 dB	.01 %	3.36 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: 20.20 dBm Peak: 24.11 dBm Crest: 3.91 dB <table><tr><td>10 %</td><td>1.84 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>3.68 dB</td></tr></table> Date: 10.NOV.2015 11:28:44	10 %	1.84 dB	1 %	2.80 dB	.1 %	3.36 dB	.01 %	3.68 dB
10 %	1.72 dB																
1 %	2.60 dB																
.1 %	3.08 dB																
.01 %	3.36 dB																
10 %	1.84 dB																
1 %	2.80 dB																
.1 %	3.36 dB																
.01 %	3.68 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: 19.00 dBm Peak: 22.63 dBm Crest: 3.63 dB <table><tr><td>10 %</td><td>1.68 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>3.36 dB</td></tr></table> Date: 10.NOV.2015 10:57:39	10 %	1.68 dB	1 %	2.60 dB	.1 %	3.12 dB	.01 %	3.36 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: 20.01 dBm Peak: 23.83 dBm Crest: 3.82 dB <table><tr><td>10 %</td><td>1.84 dB</td></tr><tr><td>1 %</td><td>2.84 dB</td></tr><tr><td>.1 %</td><td>3.40 dB</td></tr><tr><td>.01 %</td><td>3.64 dB</td></tr></table> Date: 10.NOV.2015 11:28:53	10 %	1.84 dB	1 %	2.84 dB	.1 %	3.40 dB	.01 %	3.64 dB
10 %	1.68 dB																
1 %	2.60 dB																
.1 %	3.12 dB																
.01 %	3.36 dB																
10 %	1.84 dB																
1 %	2.84 dB																
.1 %	3.40 dB																
.01 %	3.64 dB																



WCDMA Band IV (RMC 12.2Kbps)	
Lowest Channel	
 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 1.7124 GHz 2 dB/ Mean: 20.33 dBm Peak: 24.04 dBm Crest: 3.72 dB 10 %: 1.76 dB 1 %: 2.72 dB .1 %: 3.24 dB .01 %: 3.52 dB Date: 10.NOV.2015 11:14:28	
Middle Channel	
 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 1.7324 GHz 2 dB/ Mean: 20.48 dBm Peak: 24.18 dBm Crest: 3.70 dB 10 %: 1.76 dB 1 %: 2.72 dB .1 %: 3.28 dB .01 %: 3.52 dB Date: 10.NOV.2015 11:14:38	
Highest Channel	
 Ref: 30 dBm Att: 30 dB AQT: 3.125 ms Center: 1.7524 GHz 2 dB/ Mean: 20.10 dBm Peak: 23.83 dBm Crest: 3.73 dB 10 %: 1.76 dB 1 %: 2.72 dB .1 %: 3.28 dB .01 %: 3.52 dB Date: 10.NOV.2015 11:14:47	

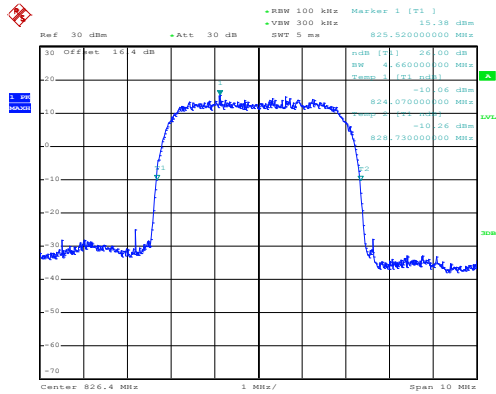
**26dB Bandwidth**

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



WCDMA Band V (RMC 12.2Kbps)

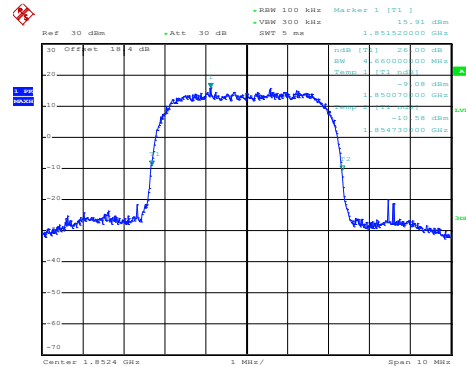
Lowest Channel



Date: 10.NOV.2015 10:46:43

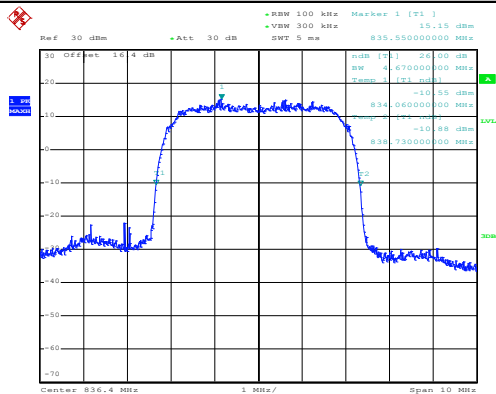
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



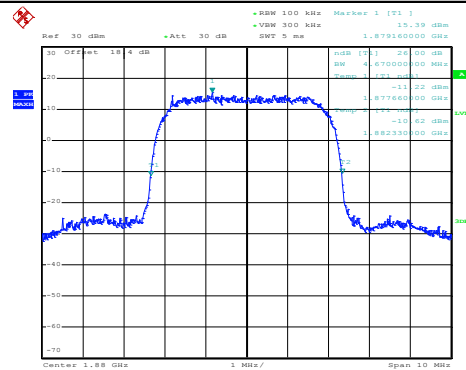
Date: 10.NOV.2015 11:18:10

Middle Channel



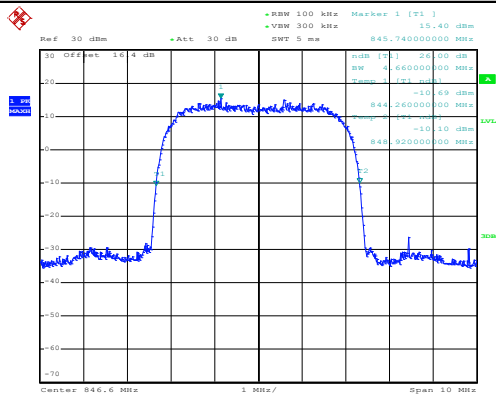
Date: 10.NOV.2015 10:47:11

Middle Channel



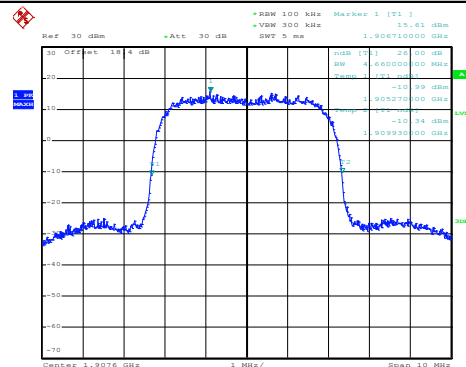
Date: 10.NOV.2015 11:18:38

Highest Channel



Date: 10.NOV.2015 10:47:40

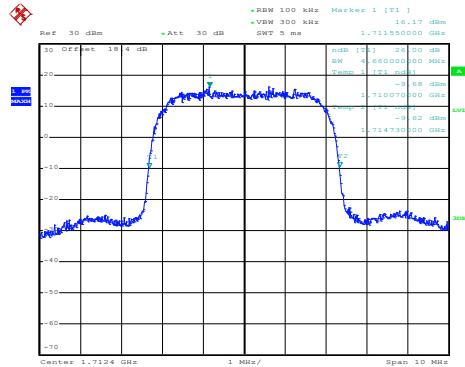
Highest Channel



Date: 10.NOV.2015 11:19:06

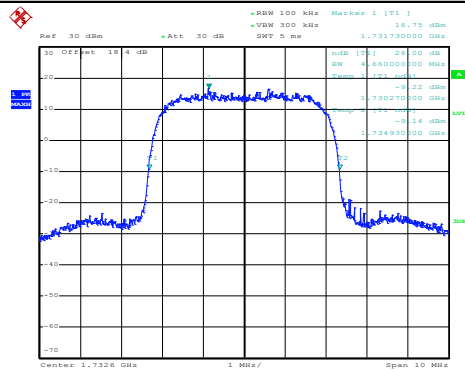
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



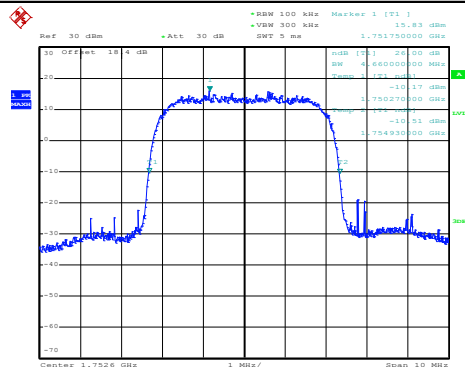
Date: 10.NOV.2015 11:03:20

Middle Channel



Date: 10.NOV.2015 11:03:48

Highest Channel

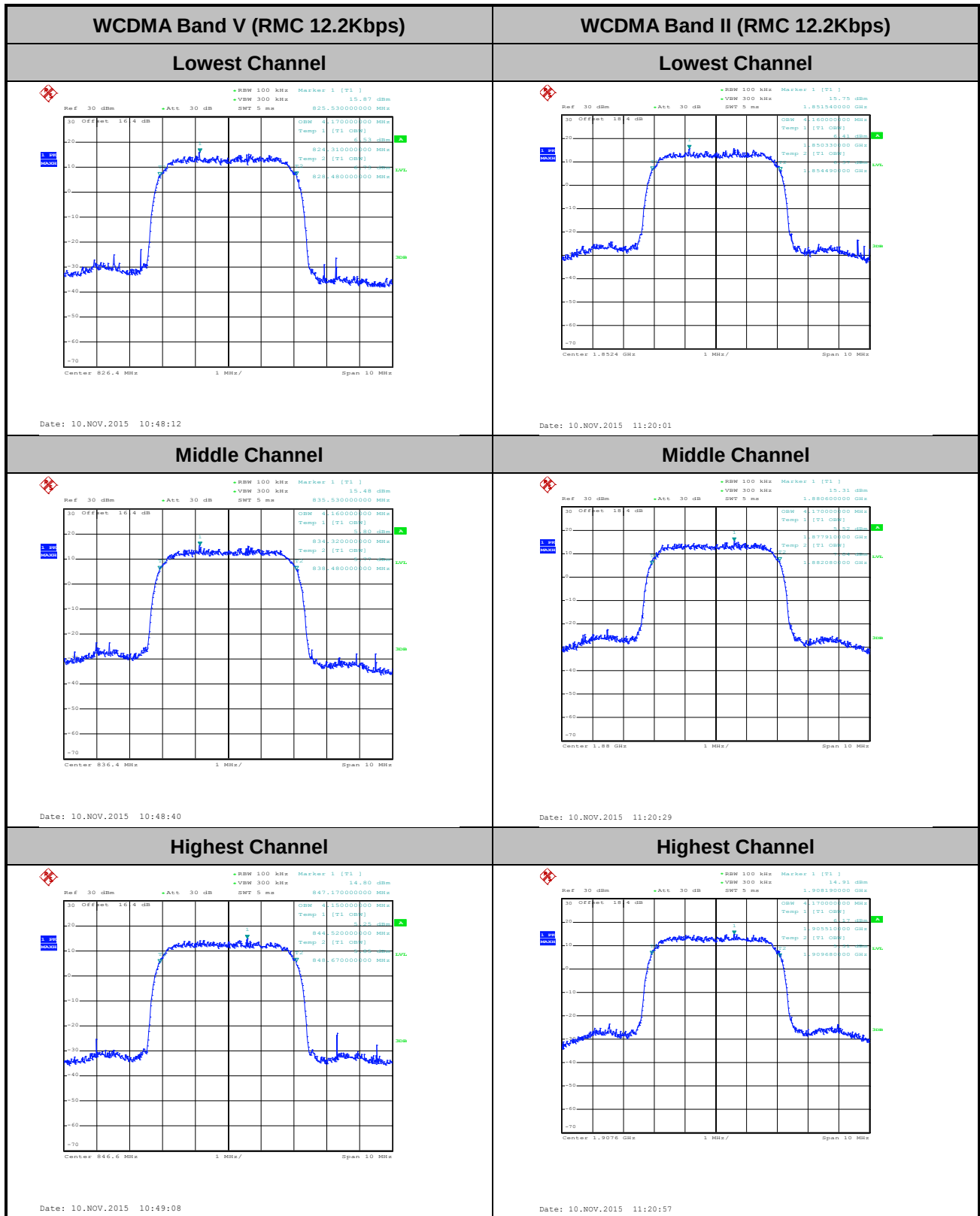


Date: 10.NOV.2015 11:04:16

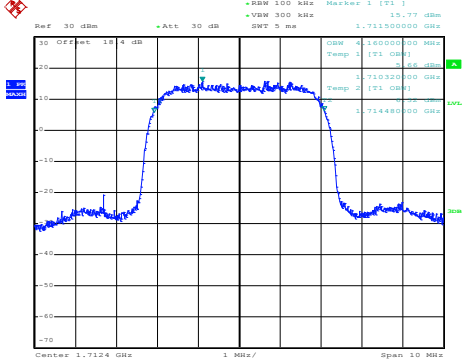
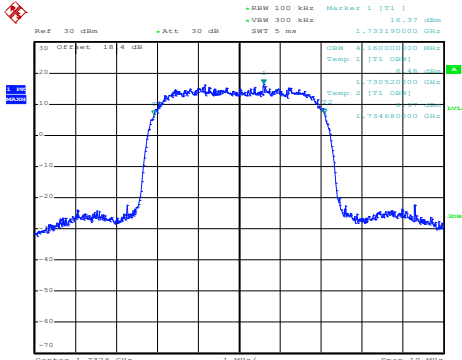
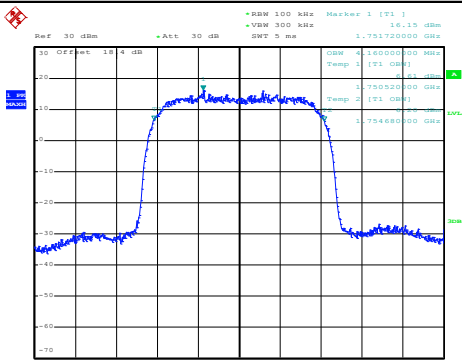


Occupied Bandwidth

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	4.16
Middle CH	4.16	4.17	4.16
Highest CH	4.15	4.17	4.16





WCDMA Band IV (RMC 12.2Kbps)	
Lowest Channel	
 Date: 10.NOV.2015 11:05:34	
Middle Channel	
 Date: 10.NOV.2015 11:06:02	
Highest Channel	
 Date: 10.NOV.2015 11:06:30	

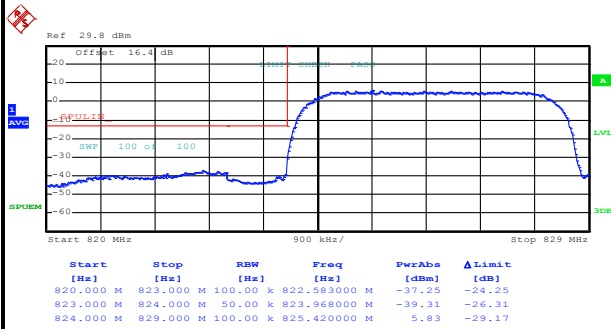


Conducted Band Edge



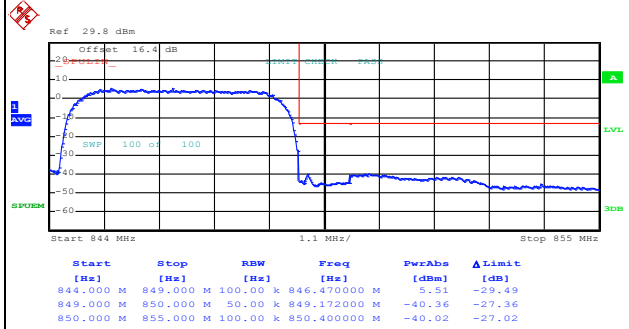
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 10.NOV.2015 10:52:13

Highest Band Edge

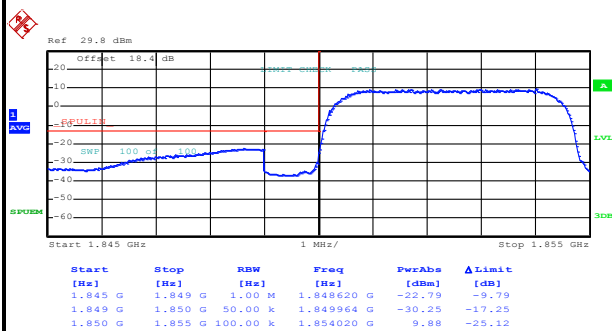


Date: 10.NOV.2015 10:54:56



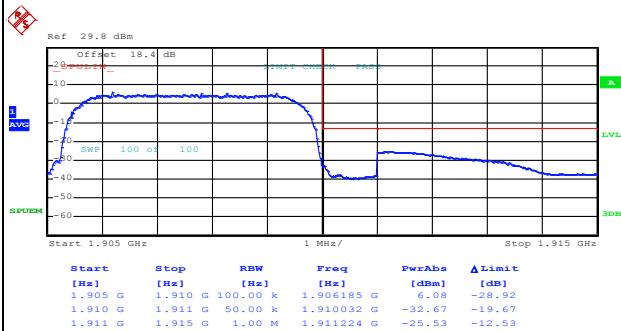
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 10.NOV.2015 13:42:06

Highest Band Edge

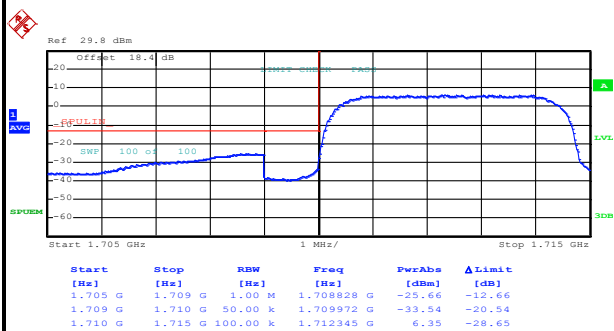


Date: 10.NOV.2015 11:26:31



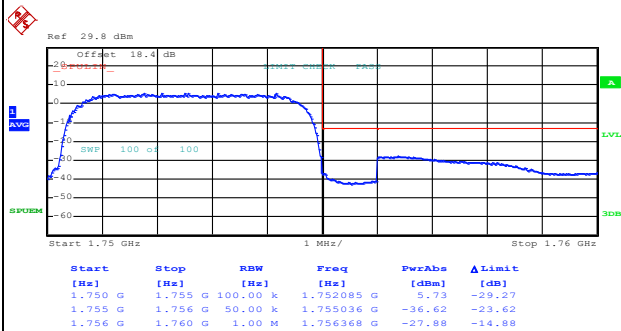
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Date: 10.NOV.2015 11:09:23

Highest Band Edge



Date: 10.NOV.2015 11:12:06

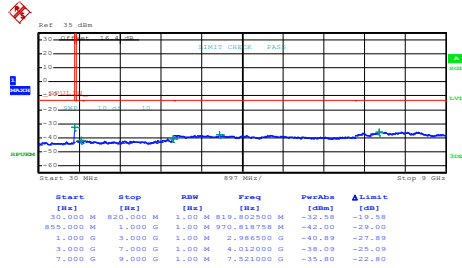


Conducted Spurious Emission



WCDMA Band V (RMC 12.2Kbps)

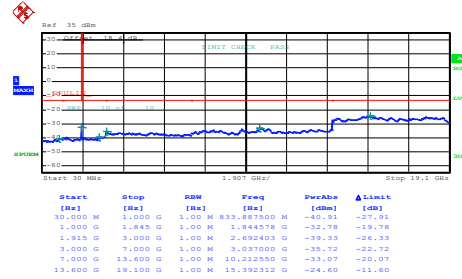
Lowest Channel



Date: 10.NOV.2015 13:30:43

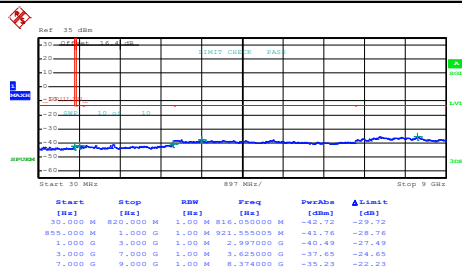
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



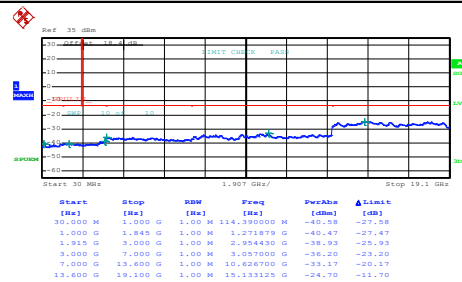
Date: 10.NOV.2015 13:36:29

Middle Channel



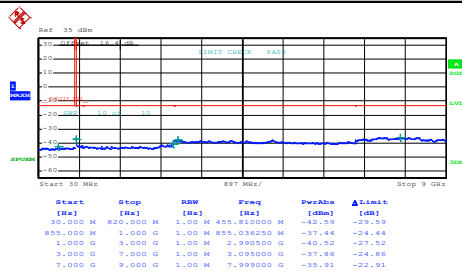
Date: 10.NOV.2015 13:33:20

Middle Channel



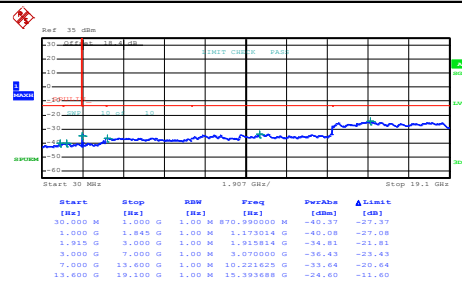
Date: 10.NOV.2015 13:37:10

Highest Channel



Date: 10.NOV.2015 13:33:56

Highest Channel

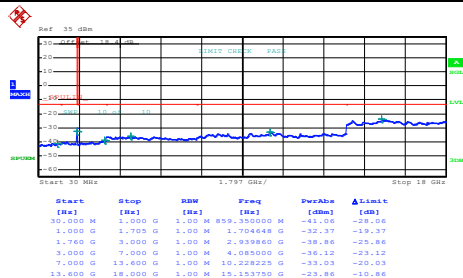


Date: 10.NOV.2015 13:38:38



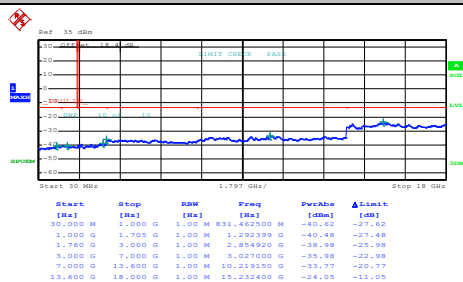
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



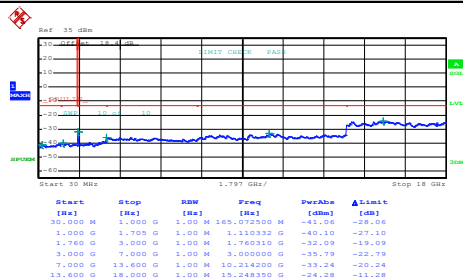
Date: 10.NOV.2015 13:46:11

Middle Channel



Date: 10.NOV.2015 13:46:52

Highest Channel



Date: 10.NOV.2015 13:47:26

**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	0.0120	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0096	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0108	
0	Normal Voltage	0.0132	
-10	Normal Voltage	0.0120	
-20	Normal Voltage	0.0084	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0167	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0155	

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	0.0027	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0016	
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	0.0040	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage = 12V. ; Battery End Point (BEP) = 10.8 V. ; Maximum Voltage =13.2 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.