

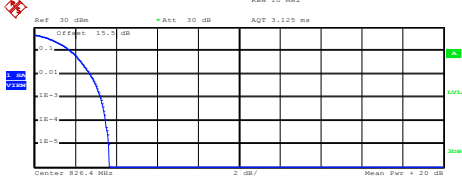
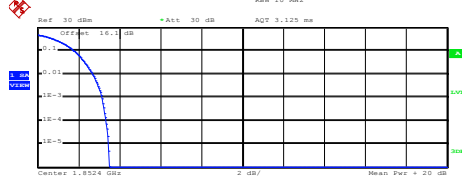
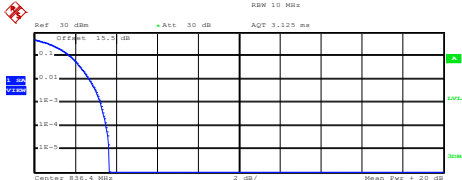
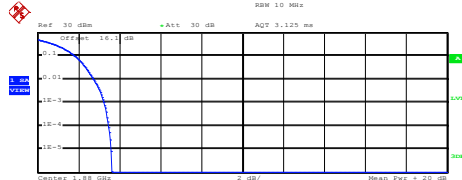
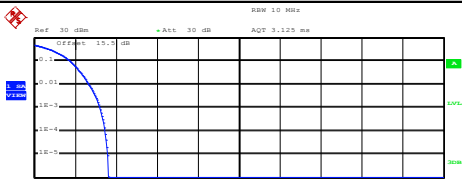
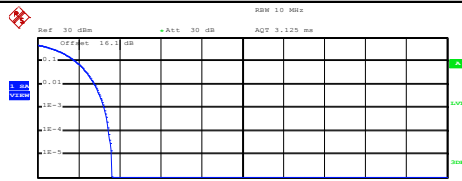


A2. WCDMA

Peak-to-Average Ratio

Mode	WCDMA Band V	WCDMA Band II	Limit: 13dB
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	Result
Lowest CH	3.24	3.16	PASS
Middle CH	3.24	3.24	
Highest CH	3.20	3.24	



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/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 21.87 dBm Peak: 25.53 dBm Crest: 3.66 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>3.48 dB</td></tr></table> Date: 14.OCT.2016 08:09:31	10 %	1.76 dB	1 %	2.72 dB	.1 %	3.24 dB	.01 %	3.48 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 1.8524 GHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 21.19 dBm Peak: 24.68 dBm Crest: 3.49 dB <table><tr><td>10 %</td><td>1.80 dB</td></tr><tr><td>1 %</td><td>2.68 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: 14.OCT.2016 07:54:57	10 %	1.80 dB	1 %	2.68 dB	.1 %	3.16 dB	.01 %	3.36 dB
10 %	1.76 dB																
1 %	2.72 dB																
.1 %	3.24 dB																
.01 %	3.48 dB																
10 %	1.80 dB																
1 %	2.68 dB																
.1 %	3.16 dB																
.01 %	3.36 dB																
Middle Channel	Middle Channel																
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 830.4 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 21.79 dBm Peak: 25.45 dBm Crest: 3.66 dB <table><tr><td>10 %</td><td>1.76 dB</td></tr><tr><td>1 %</td><td>2.68 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: 14.OCT.2016 08:09:47	10 %	1.76 dB	1 %	2.68 dB	.1 %	3.24 dB	.01 %	3.52 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 1.85 GHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 21.35 dBm Peak: 24.96 dBm Crest: 3.61 dB <table><tr><td>10 %</td><td>1.84 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>3.48 dB</td></tr></table> Date: 14.OCT.2016 07:55:20	10 %	1.84 dB	1 %	2.72 dB	.1 %	3.24 dB	.01 %	3.48 dB
10 %	1.76 dB																
1 %	2.68 dB																
.1 %	3.24 dB																
.01 %	3.52 dB																
10 %	1.84 dB																
1 %	2.72 dB																
.1 %	3.24 dB																
.01 %	3.48 dB																
Highest Channel	Highest Channel																
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 846.6 MHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 21.83 dBm Peak: 25.45 dBm Crest: 3.62 dB <table><tr><td>10 %</td><td>1.76 dB</td></tr><tr><td>1 %</td><td>2.68 dB</td></tr><tr><td>.1 %</td><td>3.20 dB</td></tr><tr><td>.01 %</td><td>3.48 dB</td></tr></table> Date: 14.OCT.2016 08:10:02	10 %	1.76 dB	1 %	2.68 dB	.1 %	3.20 dB	.01 %	3.48 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz Center: 1.9076 GHz, 2 dB/ Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean: 20.77 dBm Peak: 24.40 dBm Crest: 3.63 dB <table><tr><td>10 %</td><td>1.84 dB</td></tr><tr><td>1 %</td><td>2.76 dB</td></tr><tr><td>.1 %</td><td>3.24 dB</td></tr><tr><td>.01 %</td><td>3.48 dB</td></tr></table> Date: 14.OCT.2016 07:55:33	10 %	1.84 dB	1 %	2.76 dB	.1 %	3.24 dB	.01 %	3.48 dB
10 %	1.76 dB																
1 %	2.68 dB																
.1 %	3.20 dB																
.01 %	3.48 dB																
10 %	1.84 dB																
1 %	2.76 dB																
.1 %	3.24 dB																
.01 %	3.48 dB																



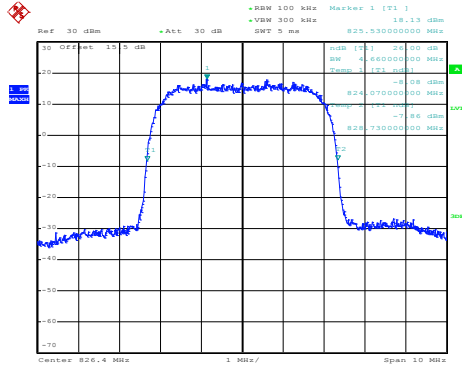
26dB Bandwidth

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.66	4.65
Middle CH	4.66	4.65
Highest CH	4.65	4.67



WCDMA Band V (RMC 12.2Kbps)

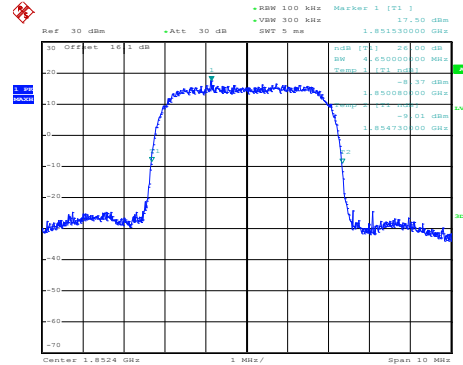
Lowest Channel



Date: 14.OCT.2016 07:56:33

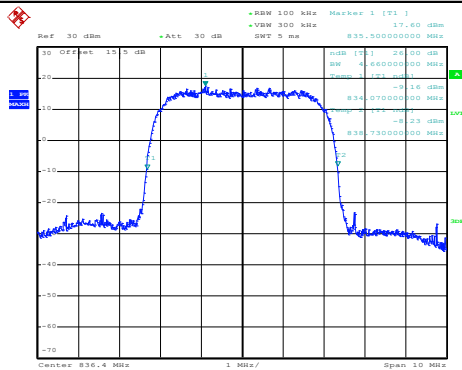
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



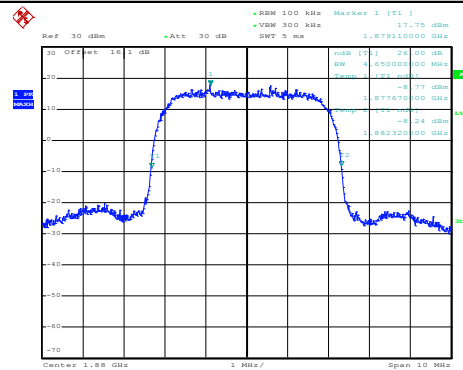
Date: 14.OCT.2016 07:44:28

Middle Channel



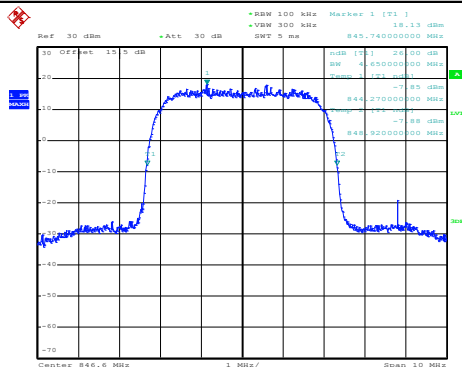
Date: 14.OCT.2016 07:57:01

Middle Channel



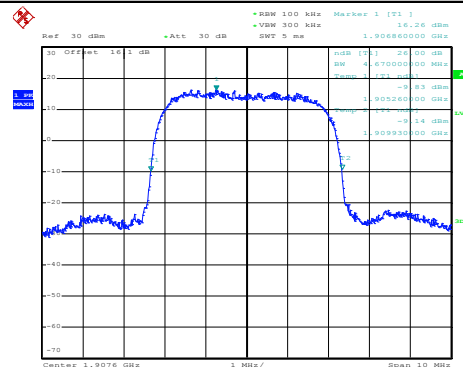
Date: 14.OCT.2016 07:44:56

Highest Channel



Date: 14.OCT.2016 07:57:29

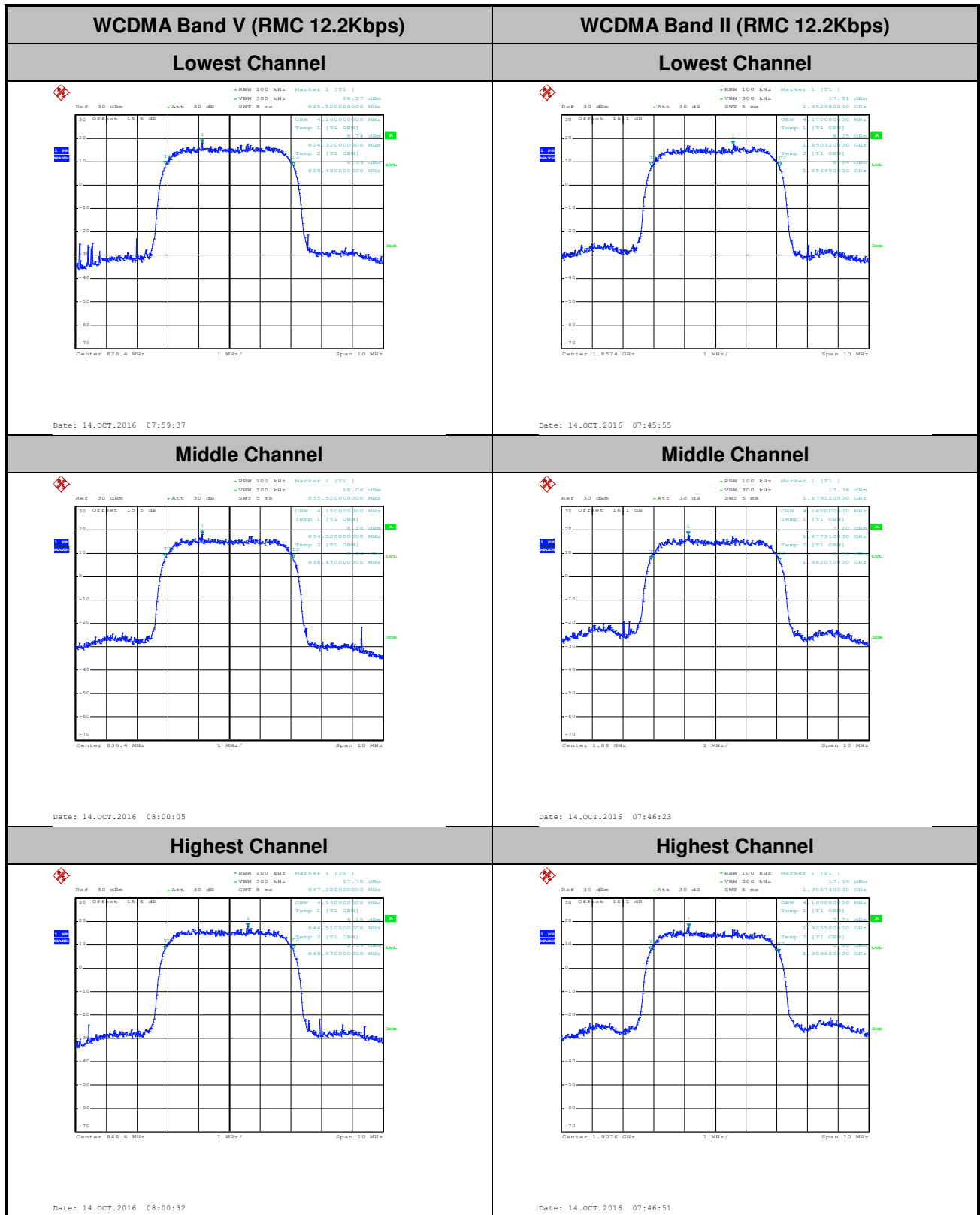
Highest Channel



Date: 14.OCT.2016 07:45:24

**Occupied Bandwidth**

Mode	WCDMA Band V	WCDMA Band II
Mod.	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.16	4.17
Middle CH	4.15	4.16
Highest CH	4.16	4.16

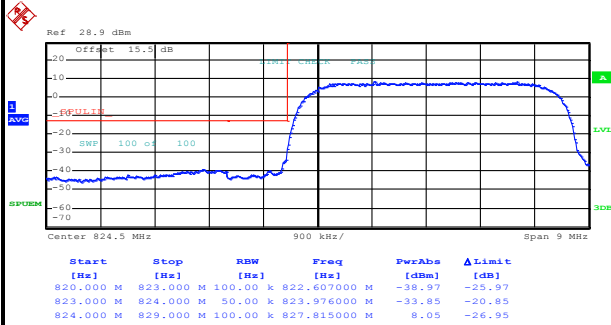




Conducted Band Edge

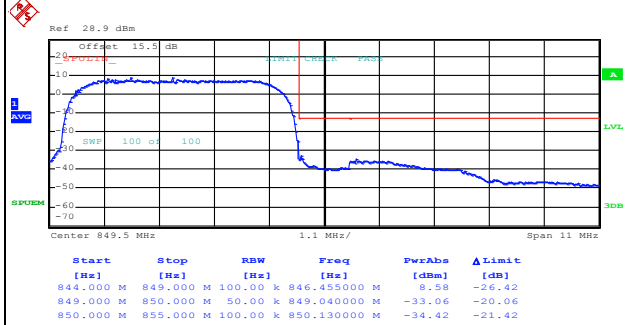
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 14.OCT.2016 08:03:19

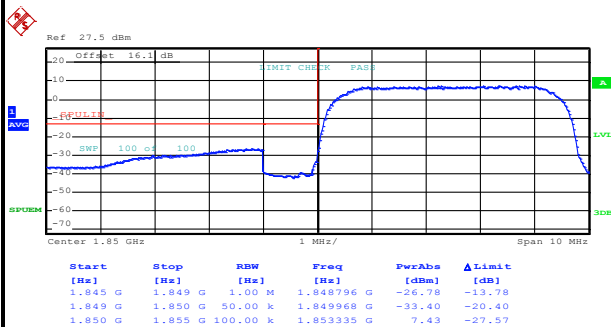
Highest Band Edge



Date: 14.OCT.2016 08:06:01

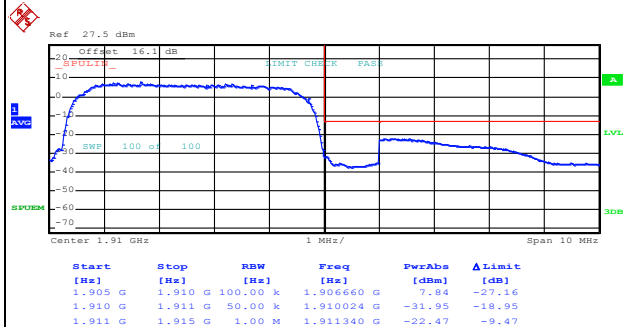
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 14.OCT.2016 07:49:35

Highest Band Edge



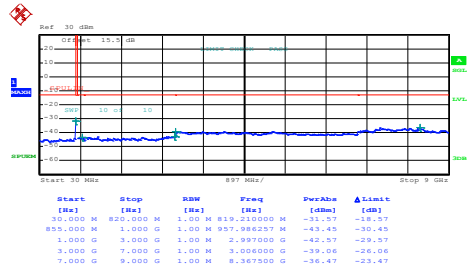
Date: 14.OCT.2016 07:52:17



Conducted Spurious Emission

WCDMA Band V (RMC 12.2Kbps)

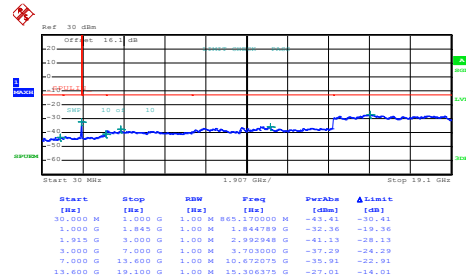
Lowest Channel



Date: 14.OCT.2016 08:06:52

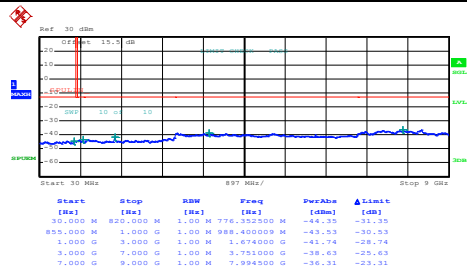
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



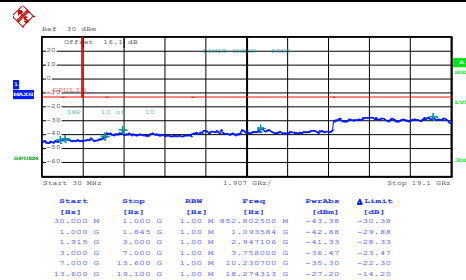
Date: 14.OCT.2016 07:53:06

Middle Channel



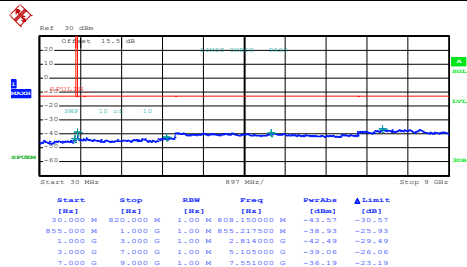
Date: 14.OCT.2016 08:07:37

Middle Channel



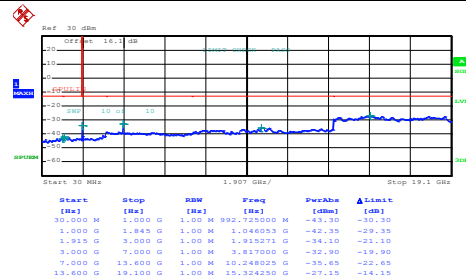
Date: 14.OCT.2016 07:53:52

Highest Channel



Date: 14.OCT.2016 08:08:23

Highest Channel



Date: 14.OCT.2016 07:54:38

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

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	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0037	
-30	Normal Voltage	0.0037	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0000	

Note:

1. Normal Voltage = 9V. ; Battery End Point (BEP) = 9 V. ; Maximum Voltage =12 V
2. The frequency fundamental emissions stay within the authorized frequency block.