



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	3.32	3.60	3.36	PASS
Middle CH	3.32	3.52	3.24	
Highest CH	3.24	3.44	3.28	

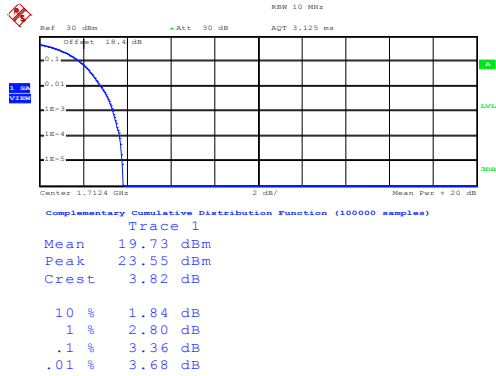


WCDMA Band V (RMC 12.2Kbps)	WCDMA Band II (RMC 12.2Kbps)
Lowest Channel	Lowest Channel
Ref: 30 dBm, Att: 30 dB, AGT: 3.125 ms, RBW: 10 MHz, Center: 826.4 MHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 19.37 dBm Peak 23.13 dBm Crest 3.76 dB 10 % 1.80 dB 1 % 2.80 dB .1 % 3.32 dB .01 % 3.56 dB Date: 17.AUG.2015 11:48:02	Ref: 30 dBm, Att: 30 dB, AGT: 3.125 ms, RBW: 10 MHz, Center: 1.8524 GHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 20.35 dBm Peak 24.47 dBm Crest 4.11 dB 10 % 1.92 dB 1 % 3.00 dB .1 % 3.60 dB .01 % 3.84 dB Date: 17.AUG.2015 11:24:43
Middle Channel	Middle Channel
Ref: 30 dBm, Att: 30 dB, AGT: 3.125 ms, RBW: 10 MHz, Center: 836.4 MHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 18.93 dBm Peak 22.84 dBm Crest 3.92 dB 10 % 1.80 dB 1 % 2.76 dB .1 % 3.32 dB .01 % 3.60 dB Date: 17.AUG.2015 11:48:10	Ref: 30 dBm, Att: 30 dB, AGT: 3.125 ms, RBW: 10 MHz, Center: 1.85 GHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 20.64 dBm Peak 24.54 dBm Crest 3.89 dB 10 % 1.88 dB 1 % 2.88 dB .1 % 3.52 dB .01 % 3.76 dB Date: 17.AUG.2015 11:24:55
Highest Channel	Highest Channel
Ref: 30 dBm, Att: 30 dB, AGT: 3.125 ms, RBW: 10 MHz, Center: 846.4 MHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 18.57 dBm Peak 22.28 dBm Crest 3.71 dB 10 % 1.76 dB 1 % 2.72 dB .1 % 3.24 dB .01 % 3.52 dB Date: 17.AUG.2015 11:48:58	Ref: 30 dBm, Att: 30 dB, AGT: 3.125 ms, RBW: 10 MHz, Center: 1.9076 GHz Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 20.18 dBm Peak 24.04 dBm Crest 3.86 dB 10 % 1.88 dB 1 % 2.88 dB .1 % 3.44 dB .01 % 3.72 dB Date: 17.AUG.2015 11:25:10



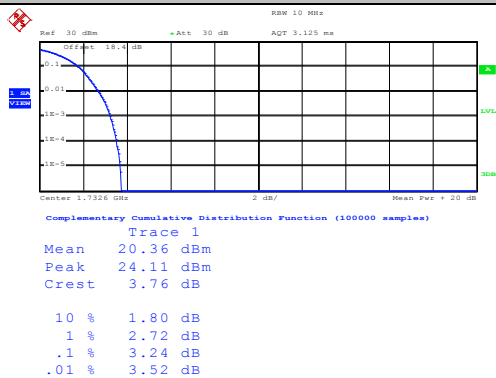
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



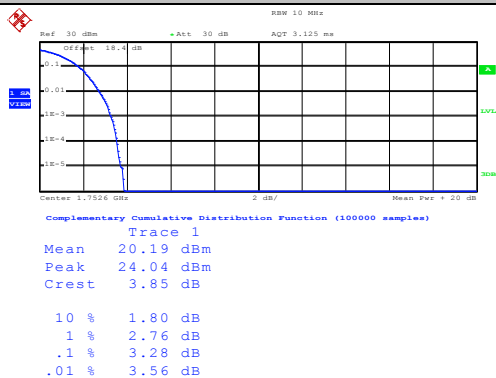
Date: 17.AUG.2015 11:35:44

Middle Channel



Date: 17.AUG.2015 11:36:29

Highest Channel



Date: 17.AUG.2015 11:36:38

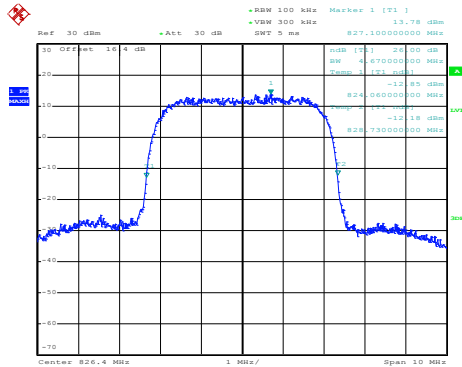
**26dB Bandwidth**

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.67	4.66	4.67
Middle CH	4.66	4.65	4.68
Highest CH	4.64	4.65	4.67



WCDMA Band V (RMC 12.2Kbps)

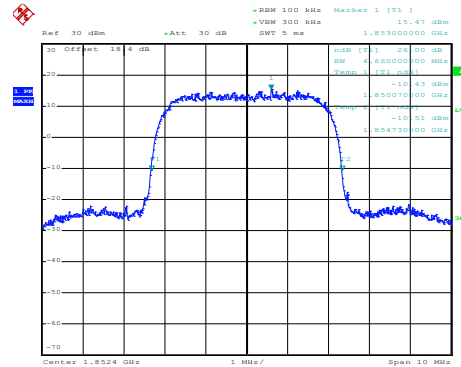
Lowest Channel



Date: 17.AUG.2015 11:41:01

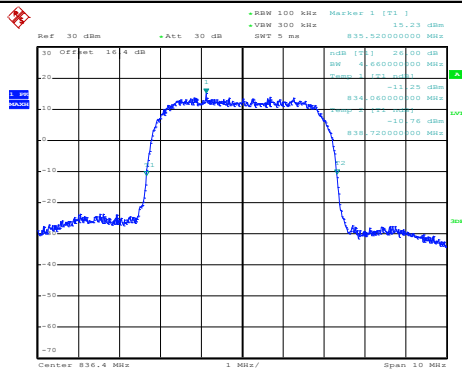
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



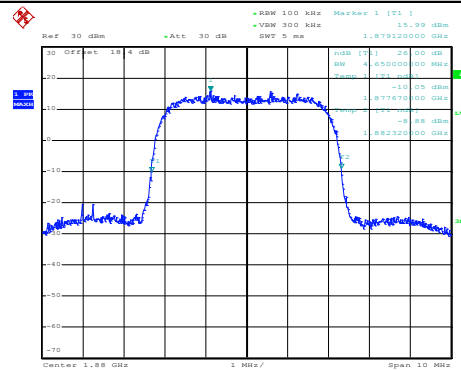
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Middle Channel



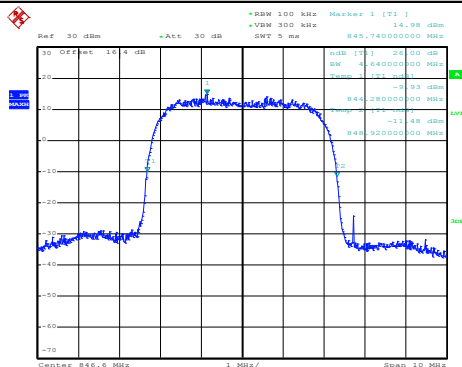
Date: 17.AUG.2015 11:41:29

Middle Channel



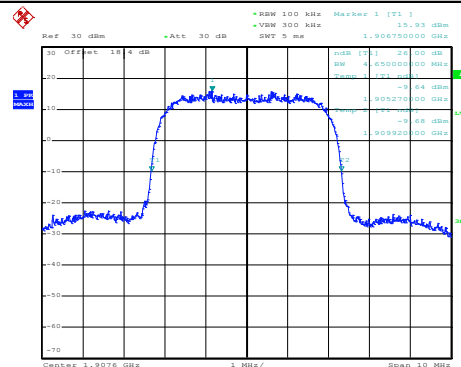
Date: 17.AUG.2015 11:15:14

Highest Channel



Date: 17.AUG.2015 11:41:57

Highest Channel

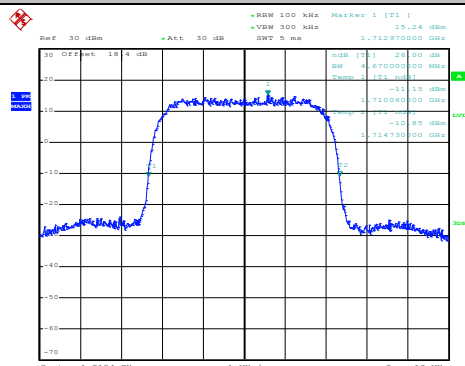


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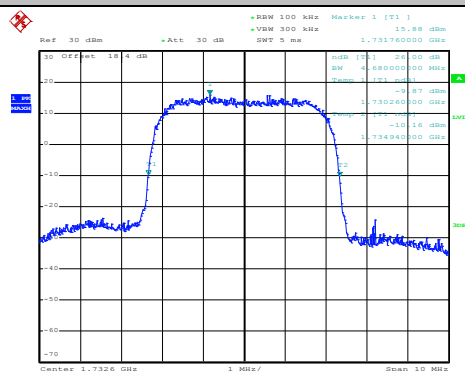
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



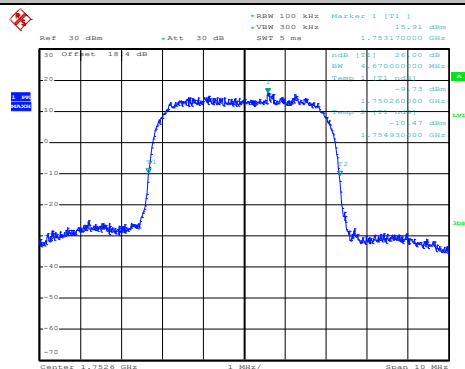
Date: 17.AUG.2015 11:29:10

Middle Channel



Date: 17.AUG.2015 11:29:38

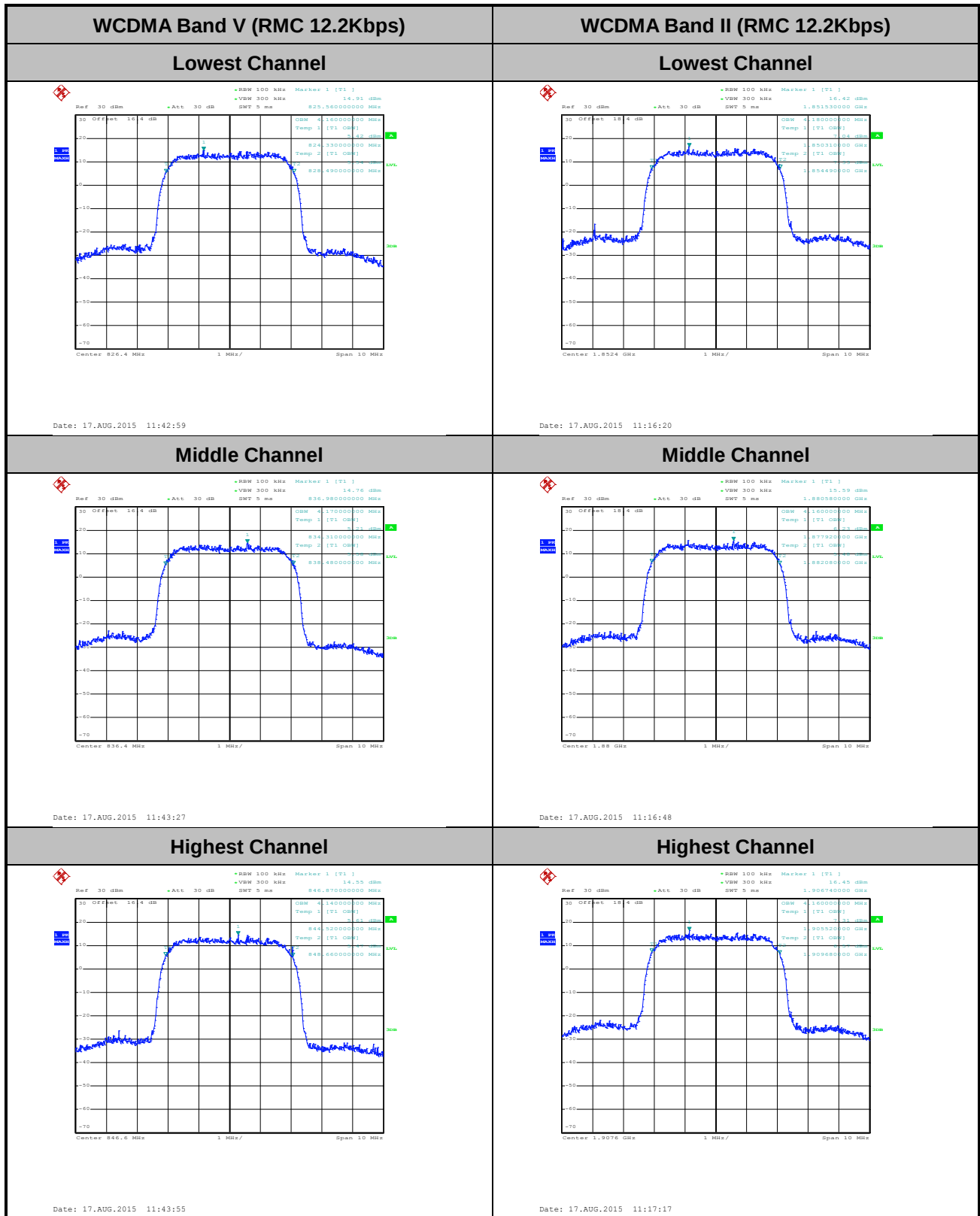
Highest Channel



Date: 17.AUG.2015 11:30:06

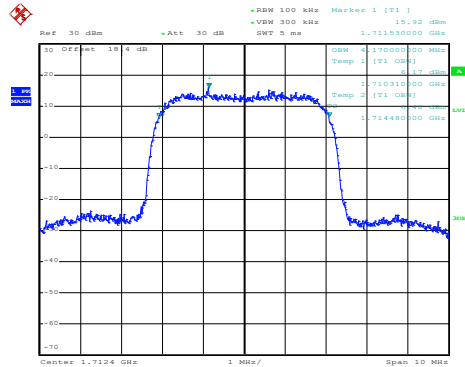
**Occupied Bandwidth**

Mode	WCDMA Band V	WCDMA Band II	WCDMA Band IV
Mod.	RMC 12.2Kbps	RMC 12.2Kbps	RMC 12.2Kbps
Lowest CH	4.16	4.18	4.17
Middle CH	4.17	4.16	4.16
Highest CH	4.14	4.16	4.16



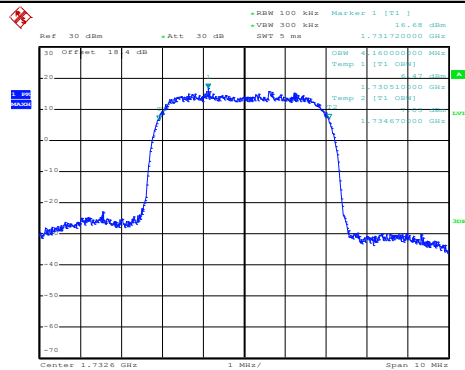
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



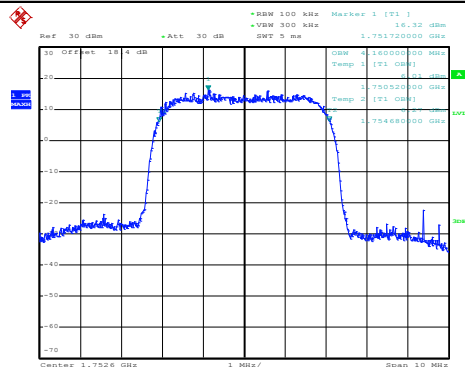
Date: 17.AUG.2015 11:30:40

Middle Channel



Date: 17.AUG.2015 11:31:09

Highest Channel



Date: 17.AUG.2015 11:31:36

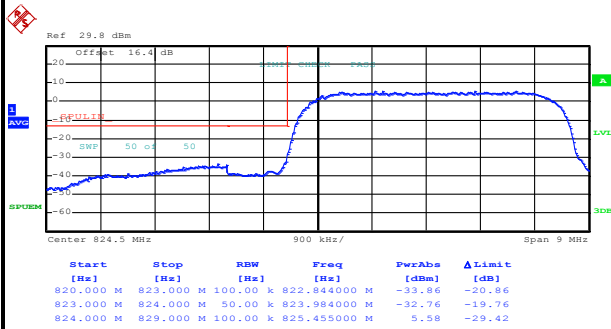


Conducted Band Edge



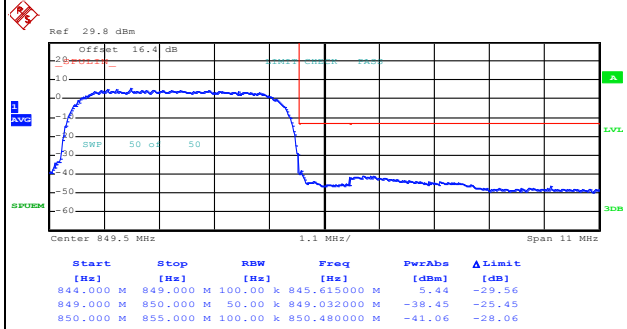
WCDMA Band V (RMC 12.2Kbps)

Lowest Band Edge



Date: 17.AUG.2015 11:45:44

Highest Band Edge

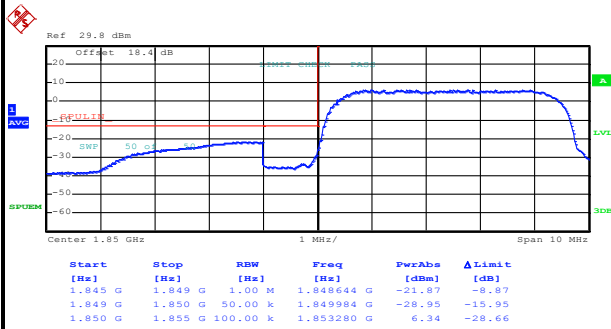


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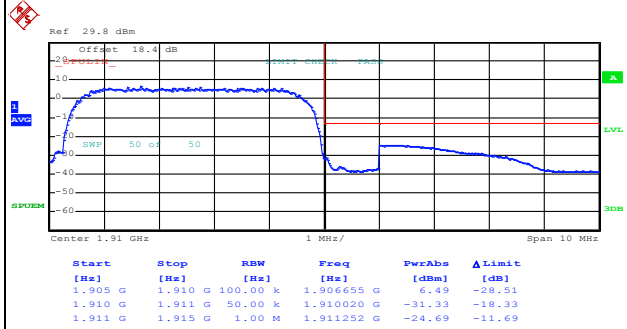
WCDMA Band II (RMC 12.2Kbps)

Lowest Band Edge



Date: 17.AUG.2015 11:18:49

Highest Band Edge

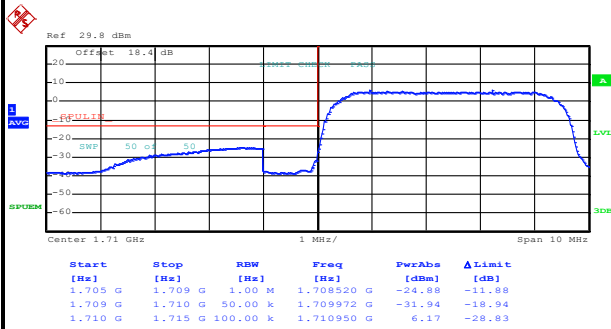


Date: 17.AUG.2015 11:20:16



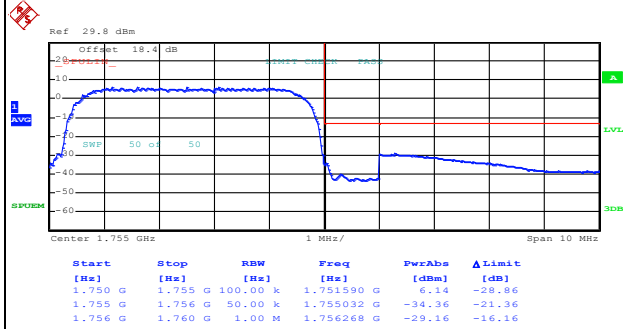
WCDMA Band IV (RMC 12.2Kbps)

Lowest Band Edge



Date: 17.AUG.2015 11:33:09

Highest Band Edge



Date: 17.AUG.2015 11:34:37

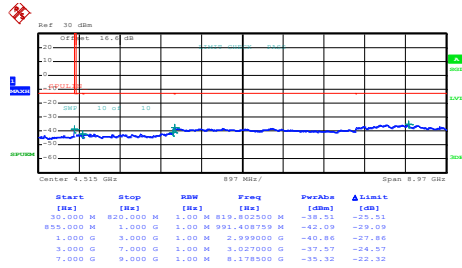


Conducted Spurious Emission



WCDMA Band V (RMC 12.2Kbps)

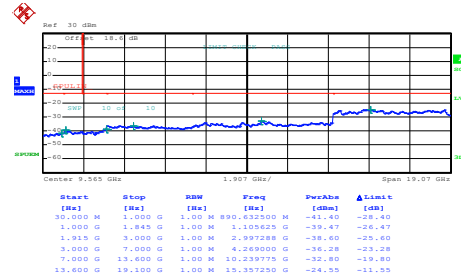
Lowest Channel



Date: 17.AUG.2015 11:50:57

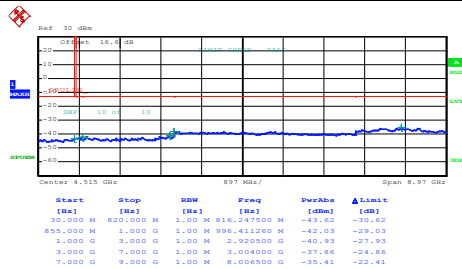
WCDMA Band II (RMC 12.2Kbps)

Lowest Channel



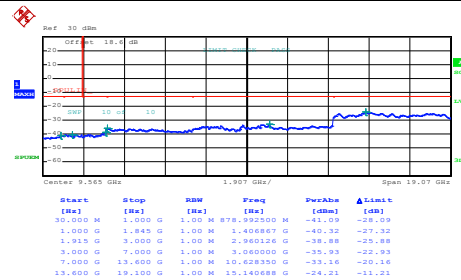
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Middle Channel



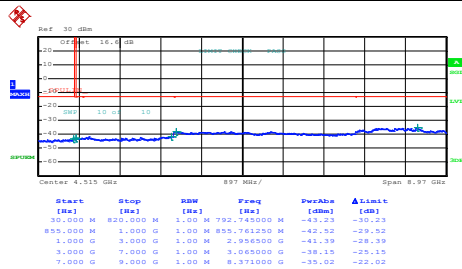
Date: 17.AUG.2015 11:51:25

Middle Channel



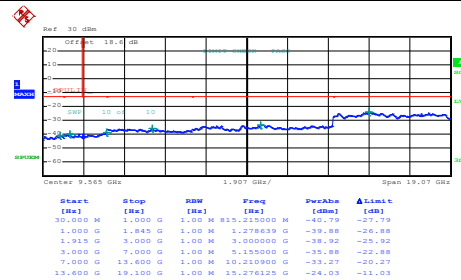
Date: 17.AUG.2015 11:27:27

Highest Channel



Date: 17.AUG.2015 11:52:05

Highest Channel

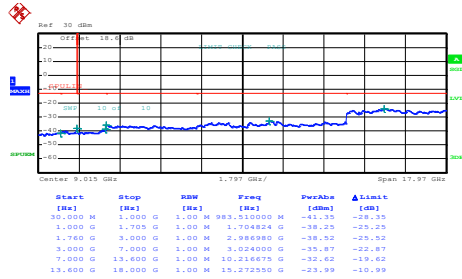


Date: 17.AUG.2015 11:28:30



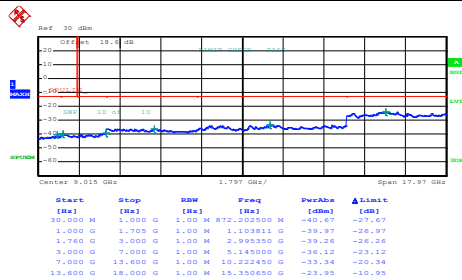
WCDMA Band IV (RMC 12.2Kbps)

Lowest Channel



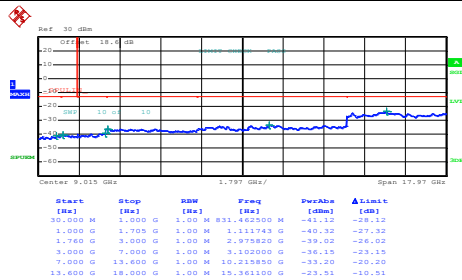
Date: 17.AUG.2015 11:38:13

Middle Channel



Date: 17.AUG.2015 11:39:01

Highest Channel



Date: 17.AUG.2015 11:39:53

**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	0.0155	PASS
40	Normal Voltage	0.0108	
30	Normal Voltage	0.0084	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0167	
0	Normal Voltage	0.0084	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0132	
-30	Normal Voltage	0.0108	
20	Maximum Voltage	0.0191	
20	Normal Voltage	0.0036	
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	0.0032	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0239	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0277	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0229	
20	Maximum Voltage	0.0245	
20	Normal Voltage	0.0250	
20	Battery End Point	0.0234	



Test Conditions	Middle Channel	WCDMA Band IV (RMC 12.2Kbps)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0260	PASS
40	Normal Voltage	0.0063	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0283	
-30	Normal Voltage	0.0265	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0248	
20	Battery End Point	0.0271	

Note:

1. Normal Voltage = 3.85V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.35 V
2. The frequency fundamental emissions stay within the authorized frequency block.