



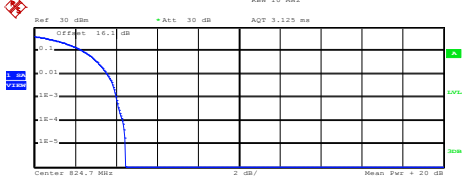
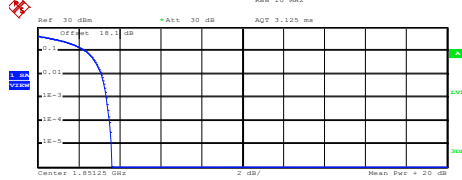
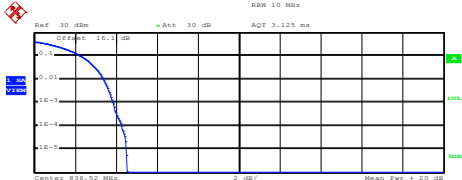
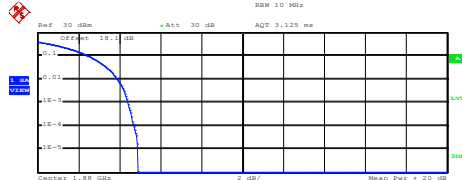
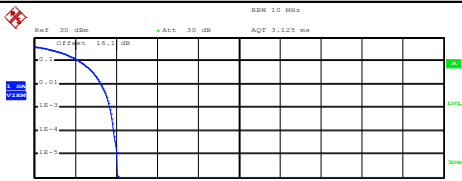
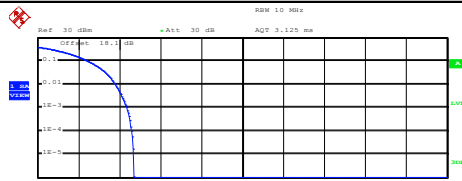
A3. CDMA

Peak-to-Average Ratio

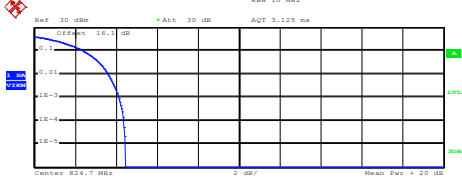
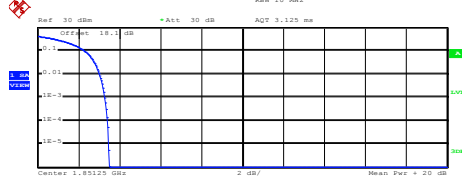
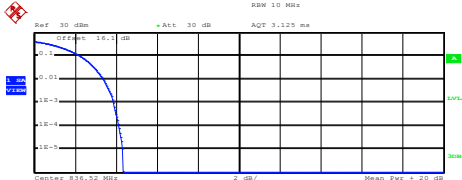
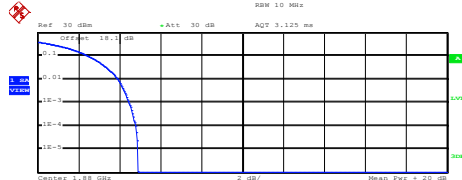
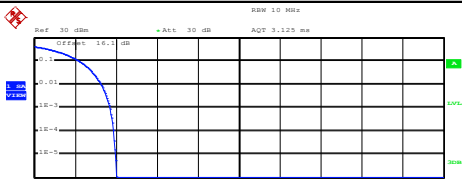
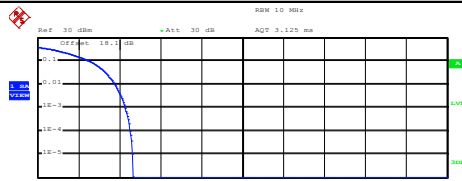
Mode	CDMA BC0	CDMA BC1	Limit: 13dB
Mod.	1xRTT	1xRTT	Result
Lowest CH	4.04	3.36	PASS
Middle CH	3.88	4.44	
Highest CH	3.72	4.36	

Mode	CDMA BC0	CDMA BC1	Limit: 13dB
Mod.	1xEV-DO Rev. 0	1xEV-DO Rev. 0	Result
Lowest CH	4.16	3.28	PASS
Middle CH	3.88	4.48	
Highest CH	3.72	4.28	



CDMA BC0 (1xRTT)	CDMA BC1 (1xRTT)																												
Lowest Channel	Lowest Channel																												
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 824.7 MHz, Mean: 23.46 dBm, Peak: 27.92 dBm, Crest: 4.46 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.46 dBm</td></tr><tr><td>Peak</td><td>27.92 dBm</td></tr><tr><td>Crest</td><td>4.46 dB</td></tr></table> <table><tr><td>10 %</td><td>2.40 dB</td></tr><tr><td>1 %</td><td>3.56 dB</td></tr><tr><td>.1 %</td><td>4.04 dB</td></tr><tr><td>.01 %</td><td>4.32 dB</td></tr></table> Date: 5.AUG.2015 09:52:23	Mean	23.46 dBm	Peak	27.92 dBm	Crest	4.46 dB	10 %	2.40 dB	1 %	3.56 dB	.1 %	4.04 dB	.01 %	4.32 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 1.85123 GHz, Mean: 24.31 dBm, Peak: 27.92 dBm, Crest: 3.61 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>24.31 dBm</td></tr><tr><td>Peak</td><td>27.92 dBm</td></tr><tr><td>Crest</td><td>3.61 dB</td></tr></table> <table><tr><td>10 %</td><td>2.36 dB</td></tr><tr><td>1 %</td><td>3.12 dB</td></tr><tr><td>.1 %</td><td>3.36 dB</td></tr><tr><td>.01 %</td><td>3.52 dB</td></tr></table> Date: 5.AUG.2015 10:18:41	Mean	24.31 dBm	Peak	27.92 dBm	Crest	3.61 dB	10 %	2.36 dB	1 %	3.12 dB	.1 %	3.36 dB	.01 %	3.52 dB
Mean	23.46 dBm																												
Peak	27.92 dBm																												
Crest	4.46 dB																												
10 %	2.40 dB																												
1 %	3.56 dB																												
.1 %	4.04 dB																												
.01 %	4.32 dB																												
Mean	24.31 dBm																												
Peak	27.92 dBm																												
Crest	3.61 dB																												
10 %	2.36 dB																												
1 %	3.12 dB																												
.1 %	3.36 dB																												
.01 %	3.52 dB																												
Middle Channel	Middle Channel																												
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 835.52 MHz, Mean: 23.12 dBm, Peak: 27.64 dBm, Crest: 4.52 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.12 dBm</td></tr><tr><td>Peak</td><td>27.64 dBm</td></tr><tr><td>Crest</td><td>4.52 dB</td></tr></table> <table><tr><td>10 %</td><td>2.32 dB</td></tr><tr><td>1 %</td><td>3.40 dB</td></tr><tr><td>.1 %</td><td>3.88 dB</td></tr><tr><td>.01 %</td><td>4.28 dB</td></tr></table> Date: 5.AUG.2015 09:52:33	Mean	23.12 dBm	Peak	27.64 dBm	Crest	4.52 dB	10 %	2.32 dB	1 %	3.40 dB	.1 %	3.88 dB	.01 %	4.28 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 1.88 GHz, Mean: 23.45 dBm, Peak: 28.35 dBm, Crest: 4.90 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.45 dBm</td></tr><tr><td>Peak</td><td>28.35 dBm</td></tr><tr><td>Crest</td><td>4.90 dB</td></tr></table> <table><tr><td>10 %</td><td>2.52 dB</td></tr><tr><td>1 %</td><td>3.88 dB</td></tr><tr><td>.1 %</td><td>4.44 dB</td></tr><tr><td>.01 %</td><td>4.72 dB</td></tr></table> Date: 5.AUG.2015 10:18:51	Mean	23.45 dBm	Peak	28.35 dBm	Crest	4.90 dB	10 %	2.52 dB	1 %	3.88 dB	.1 %	4.44 dB	.01 %	4.72 dB
Mean	23.12 dBm																												
Peak	27.64 dBm																												
Crest	4.52 dB																												
10 %	2.32 dB																												
1 %	3.40 dB																												
.1 %	3.88 dB																												
.01 %	4.28 dB																												
Mean	23.45 dBm																												
Peak	28.35 dBm																												
Crest	4.90 dB																												
10 %	2.52 dB																												
1 %	3.88 dB																												
.1 %	4.44 dB																												
.01 %	4.72 dB																												
Highest Channel	Highest Channel																												
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 848.31 MHz, Mean: 23.42 dBm, Peak: 27.50 dBm, Crest: 4.08 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.42 dBm</td></tr><tr><td>Peak</td><td>27.50 dBm</td></tr><tr><td>Crest</td><td>4.08 dB</td></tr></table> <table><tr><td>10 %</td><td>2.24 dB</td></tr><tr><td>1 %</td><td>3.28 dB</td></tr><tr><td>.1 %</td><td>3.72 dB</td></tr><tr><td>.01 %</td><td>3.88 dB</td></tr></table> Date: 5.AUG.2015 09:52:43	Mean	23.42 dBm	Peak	27.50 dBm	Crest	4.08 dB	10 %	2.24 dB	1 %	3.28 dB	.1 %	3.72 dB	.01 %	3.88 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 1.90875 GHz, Mean: 23.02 dBm, Peak: 27.71 dBm, Crest: 4.69 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.02 dBm</td></tr><tr><td>Peak</td><td>27.71 dBm</td></tr><tr><td>Crest</td><td>4.69 dB</td></tr></table> <table><tr><td>10 %</td><td>2.52 dB</td></tr><tr><td>1 %</td><td>3.80 dB</td></tr><tr><td>.1 %</td><td>4.36 dB</td></tr><tr><td>.01 %</td><td>4.60 dB</td></tr></table> Date: 5.AUG.2015 10:19:00	Mean	23.02 dBm	Peak	27.71 dBm	Crest	4.69 dB	10 %	2.52 dB	1 %	3.80 dB	.1 %	4.36 dB	.01 %	4.60 dB
Mean	23.42 dBm																												
Peak	27.50 dBm																												
Crest	4.08 dB																												
10 %	2.24 dB																												
1 %	3.28 dB																												
.1 %	3.72 dB																												
.01 %	3.88 dB																												
Mean	23.02 dBm																												
Peak	27.71 dBm																												
Crest	4.69 dB																												
10 %	2.52 dB																												
1 %	3.80 dB																												
.1 %	4.36 dB																												
.01 %	4.60 dB																												



CDMA BC0 (1xEV-DO Rev. 0)	CDMA BC1 (1xEV-DO Rev. 0)																												
Lowest Channel	Lowest Channel																												
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 824.7 MHz, Mean: 23.18 dBm, Peak: 27.64 dBm, Crest: 4.46 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.18 dBm</td></tr><tr><td>Peak</td><td>27.64 dBm</td></tr><tr><td>Crest</td><td>4.46 dB</td></tr></table> <table><tr><td>10 %</td><td>2.44 dB</td></tr><tr><td>1 %</td><td>3.60 dB</td></tr><tr><td>.1 %</td><td>4.16 dB</td></tr><tr><td>.01 %</td><td>4.40 dB</td></tr></table> Date: 5.AUG.2015 10:44:15	Mean	23.18 dBm	Peak	27.64 dBm	Crest	4.46 dB	10 %	2.44 dB	1 %	3.60 dB	.1 %	4.16 dB	.01 %	4.40 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 1.85125 GHz, Mean: 24.45 dBm, Peak: 27.92 dBm, Crest: 3.48 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>24.45 dBm</td></tr><tr><td>Peak</td><td>27.92 dBm</td></tr><tr><td>Crest</td><td>3.48 dB</td></tr></table> <table><tr><td>10 %</td><td>2.28 dB</td></tr><tr><td>1 %</td><td>3.04 dB</td></tr><tr><td>.1 %</td><td>3.28 dB</td></tr><tr><td>.01 %</td><td>3.44 dB</td></tr></table> Date: 5.AUG.2015 10:58:36	Mean	24.45 dBm	Peak	27.92 dBm	Crest	3.48 dB	10 %	2.28 dB	1 %	3.04 dB	.1 %	3.28 dB	.01 %	3.44 dB
Mean	23.18 dBm																												
Peak	27.64 dBm																												
Crest	4.46 dB																												
10 %	2.44 dB																												
1 %	3.60 dB																												
.1 %	4.16 dB																												
.01 %	4.40 dB																												
Mean	24.45 dBm																												
Peak	27.92 dBm																												
Crest	3.48 dB																												
10 %	2.28 dB																												
1 %	3.04 dB																												
.1 %	3.28 dB																												
.01 %	3.44 dB																												
Middle Channel	Middle Channel																												
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 835.52 MHz, Mean: 23.15 dBm, Peak: 27.50 dBm, Crest: 4.35 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.15 dBm</td></tr><tr><td>Peak</td><td>27.50 dBm</td></tr><tr><td>Crest</td><td>4.35 dB</td></tr></table> <table><tr><td>10 %</td><td>2.24 dB</td></tr><tr><td>1 %</td><td>3.36 dB</td></tr><tr><td>.1 %</td><td>3.88 dB</td></tr><tr><td>.01 %</td><td>4.16 dB</td></tr></table> Date: 5.AUG.2015 10:44:26	Mean	23.15 dBm	Peak	27.50 dBm	Crest	4.35 dB	10 %	2.24 dB	1 %	3.36 dB	.1 %	3.88 dB	.01 %	4.16 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 1.88 GHz, Mean: 23.30 dBm, Peak: 28.21 dBm, Crest: 4.91 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.30 dBm</td></tr><tr><td>Peak</td><td>28.21 dBm</td></tr><tr><td>Crest</td><td>4.91 dB</td></tr></table> <table><tr><td>10 %</td><td>2.52 dB</td></tr><tr><td>1 %</td><td>3.92 dB</td></tr><tr><td>.1 %</td><td>4.48 dB</td></tr><tr><td>.01 %</td><td>4.80 dB</td></tr></table> Date: 5.AUG.2015 10:58:49	Mean	23.30 dBm	Peak	28.21 dBm	Crest	4.91 dB	10 %	2.52 dB	1 %	3.92 dB	.1 %	4.48 dB	.01 %	4.80 dB
Mean	23.15 dBm																												
Peak	27.50 dBm																												
Crest	4.35 dB																												
10 %	2.24 dB																												
1 %	3.36 dB																												
.1 %	3.88 dB																												
.01 %	4.16 dB																												
Mean	23.30 dBm																												
Peak	28.21 dBm																												
Crest	4.91 dB																												
10 %	2.52 dB																												
1 %	3.92 dB																												
.1 %	4.48 dB																												
.01 %	4.80 dB																												
Highest Channel	Highest Channel																												
 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 848.31 MHz, Mean: 23.47 dBm, Peak: 27.50 dBm, Crest: 4.03 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>23.47 dBm</td></tr><tr><td>Peak</td><td>27.50 dBm</td></tr><tr><td>Crest</td><td>4.03 dB</td></tr></table> <table><tr><td>10 %</td><td>2.24 dB</td></tr><tr><td>1 %</td><td>3.28 dB</td></tr><tr><td>.1 %</td><td>3.72 dB</td></tr><tr><td>.01 %</td><td>3.88 dB</td></tr></table> Date: 5.AUG.2015 10:44:37	Mean	23.47 dBm	Peak	27.50 dBm	Crest	4.03 dB	10 %	2.24 dB	1 %	3.28 dB	.1 %	3.72 dB	.01 %	3.88 dB	 Ref: 30 dBm, Att: 30 dB, AQT: 3.125 ms, RSW: 10 MHz, Center: 1.90875 GHz, Mean: 22.85 dBm, Peak: 27.50 dBm, Crest: 4.65 dB Complementary Cumulative Distribution Function (100000 samples) Trace 1 <table><tr><td>Mean</td><td>22.85 dBm</td></tr><tr><td>Peak</td><td>27.50 dBm</td></tr><tr><td>Crest</td><td>4.65 dB</td></tr></table> <table><tr><td>10 %</td><td>2.56 dB</td></tr><tr><td>1 %</td><td>3.76 dB</td></tr><tr><td>.1 %</td><td>4.28 dB</td></tr><tr><td>.01 %</td><td>4.52 dB</td></tr></table> Date: 5.AUG.2015 10:59:00	Mean	22.85 dBm	Peak	27.50 dBm	Crest	4.65 dB	10 %	2.56 dB	1 %	3.76 dB	.1 %	4.28 dB	.01 %	4.52 dB
Mean	23.47 dBm																												
Peak	27.50 dBm																												
Crest	4.03 dB																												
10 %	2.24 dB																												
1 %	3.28 dB																												
.1 %	3.72 dB																												
.01 %	3.88 dB																												
Mean	22.85 dBm																												
Peak	27.50 dBm																												
Crest	4.65 dB																												
10 %	2.56 dB																												
1 %	3.76 dB																												
.1 %	4.28 dB																												
.01 %	4.52 dB																												

**26dB Bandwidth**

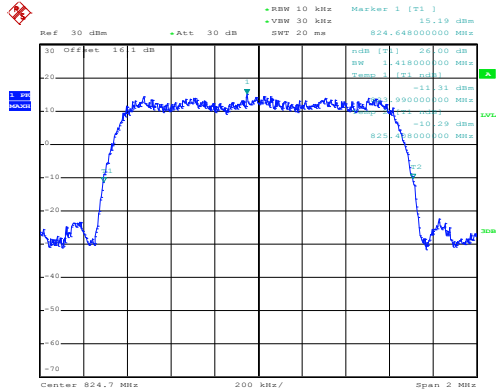
Mode	CDMA BC0	CDMA BC1
Mod.	1xRTT	1xRTT
Lowest CH	1.418	1.438
Middle CH	1.426	1.416
Highest CH	1.430	1.414

Mode	CDMA BC0	CDMA BC1
Mod.	1xEV-DO Rev. 0	1xEV-DO Rev. 0
Lowest CH	1.418	1.418
Middle CH	1.420	1.416
Highest CH	1.442	1.414



CDMA BC0 (1xRTT)

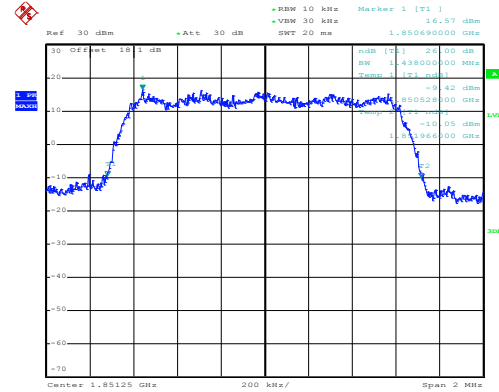
Lowest Channel



Date: 5.AUG.2015 09:43:02

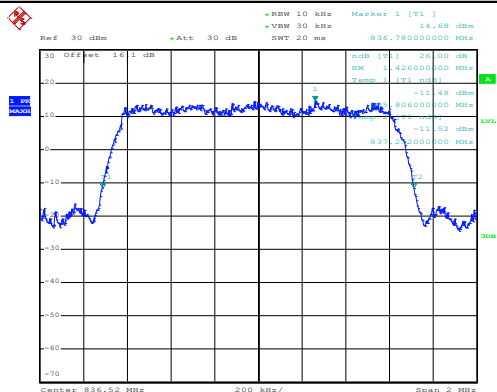
CDMA BC1 (1xRTT)

Lowest Channel



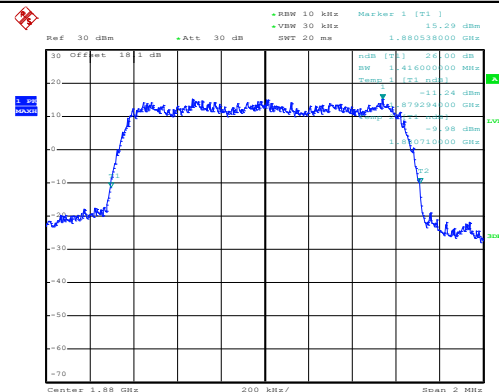
Date: 5.AUG.2015 10:10:37

Middle Channel



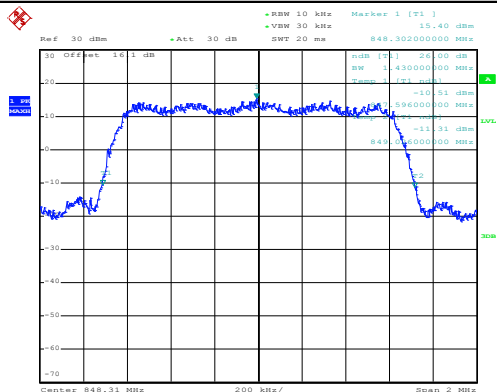
Date: 5.AUG.2015 09:44:19

Middle Channel



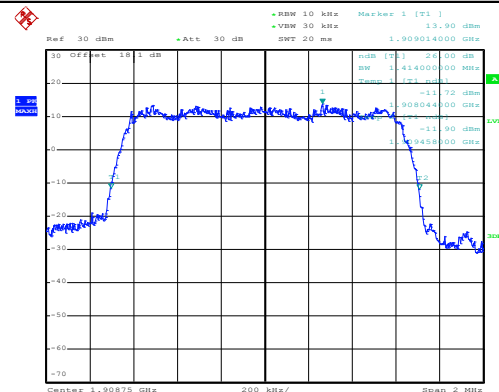
Date: 5.AUG.2015 10:11:11

Highest Channel

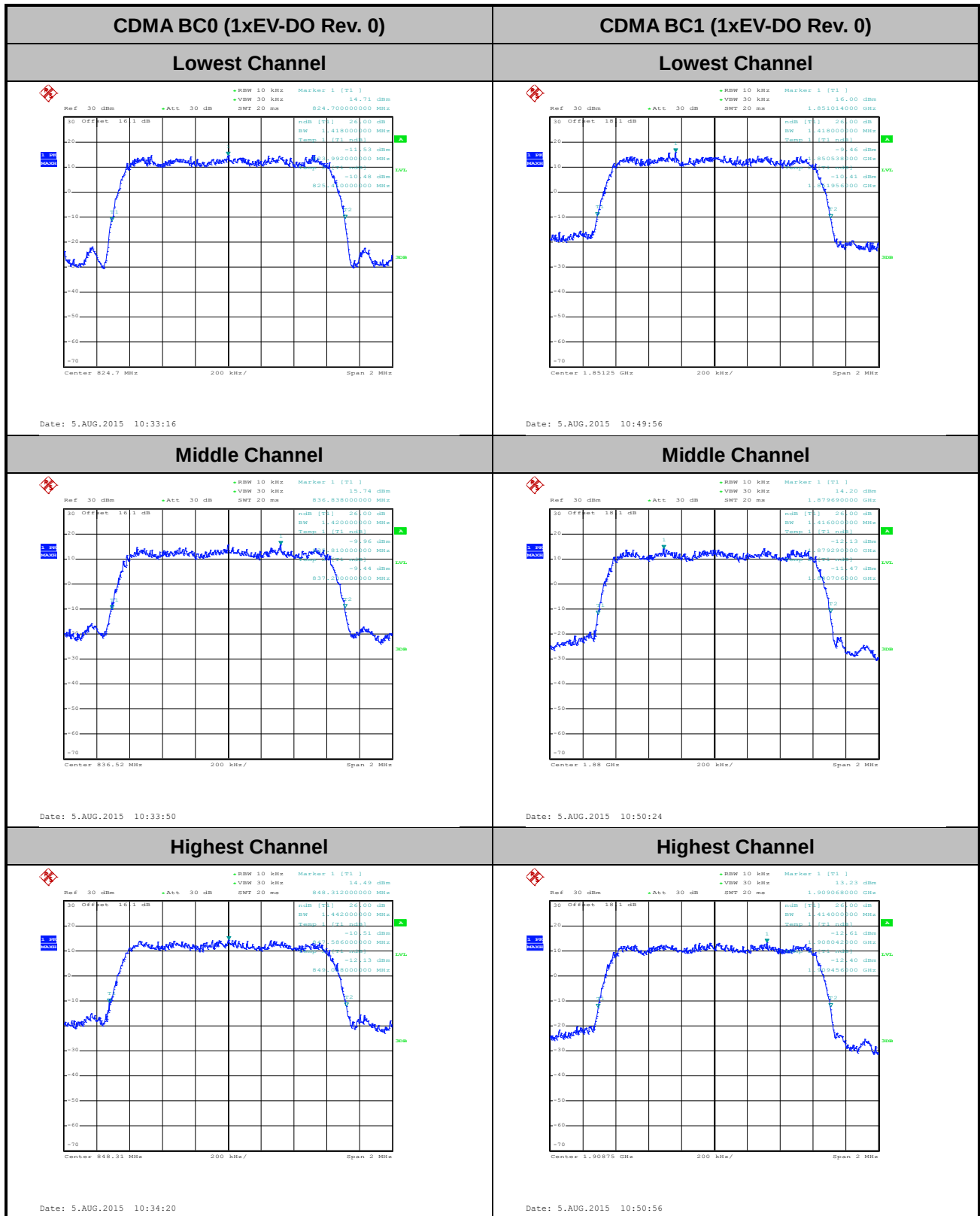


Date: 5.AUG.2015 09:44:51

Highest Channel



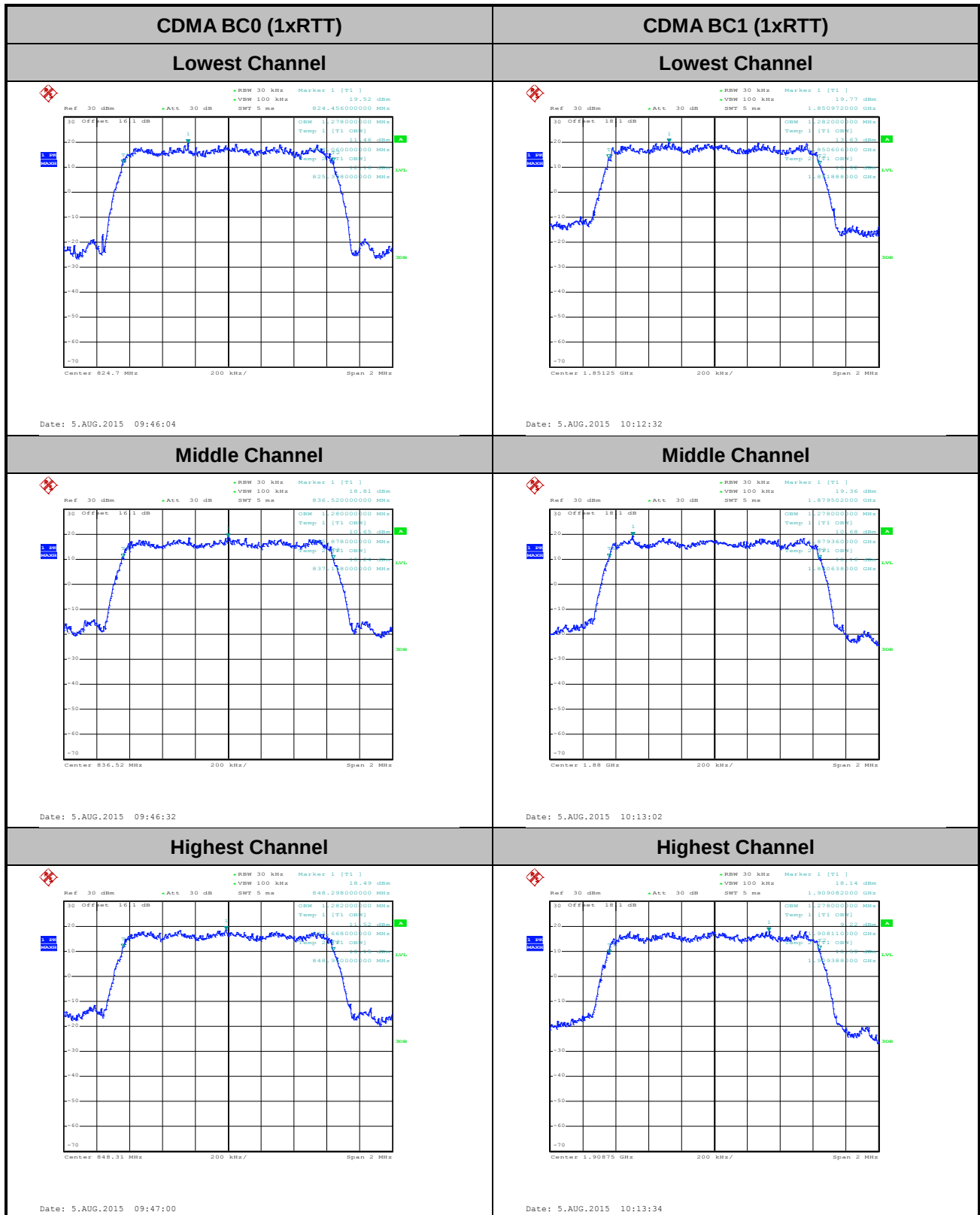
Date: 5.AUG.2015 10:11:43

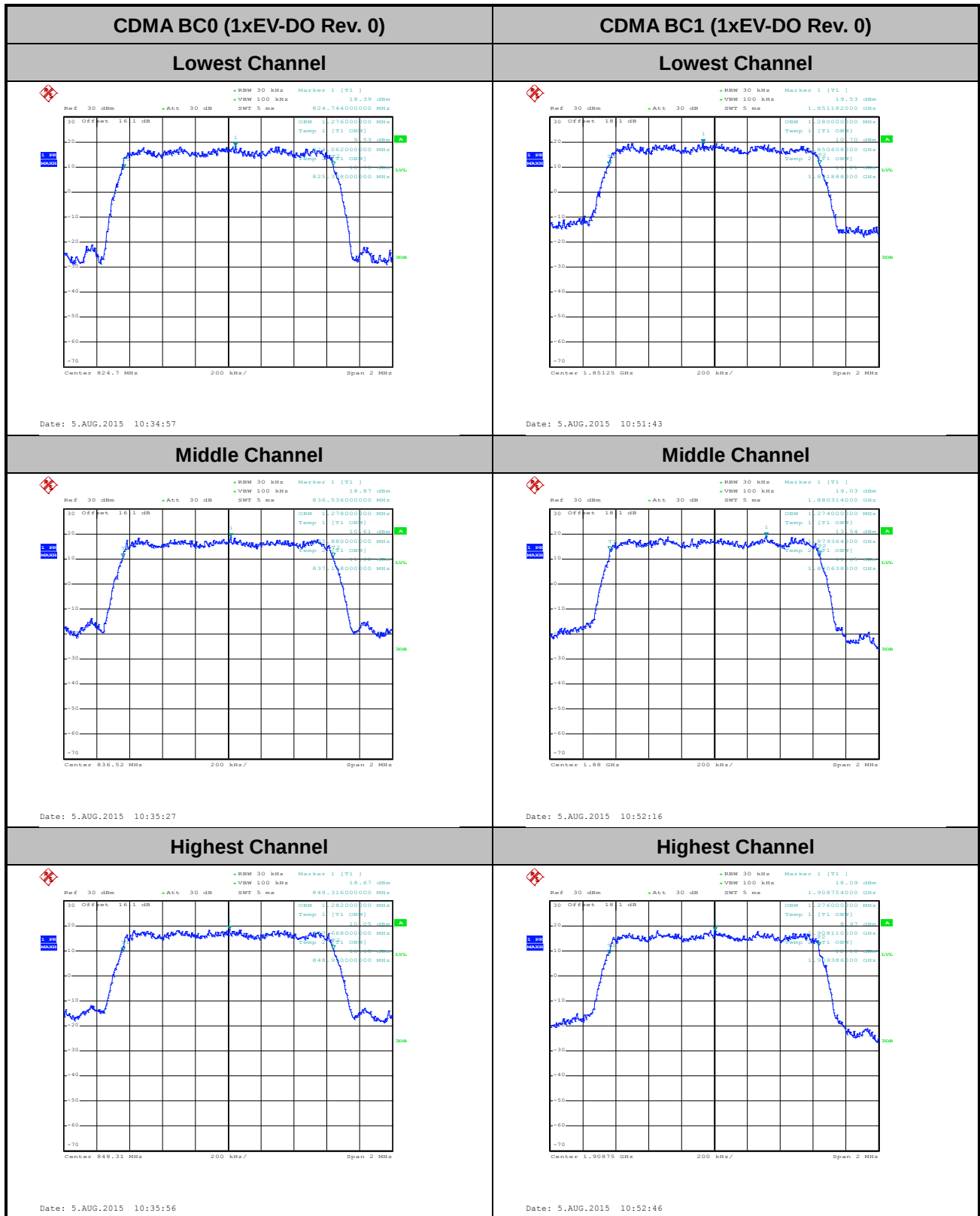


**Occupied Bandwidth**

Mode	CDMA BC0	CDMA BC1
Mod.	1xRTT	1xRTT
Lowest CH	1.278	1.282
Middle CH	1.280	1.278
Highest CH	1.282	1.278

Mode	CDMA BC0	CDMA BC1
Mod.	1xEV-DO Rev. 0	1xEV-DO Rev. 0
Lowest CH	1.276	1.280
Middle CH	1.278	1.274
Highest CH	1.282	1.276





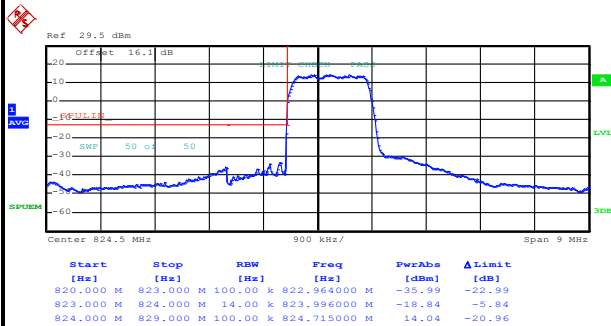


Conducted Band Edge



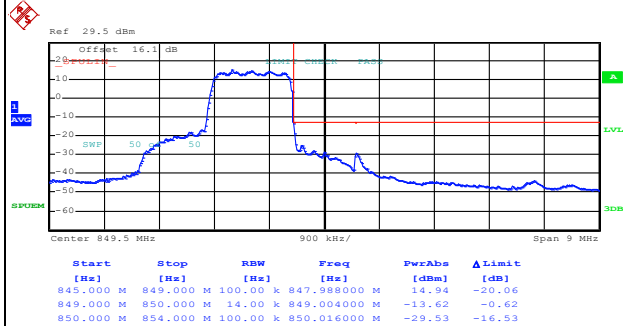
CDMA BC0 (1xRTT)

Lowest Band Edge



Date: 5.AUG.2015 09:48:44

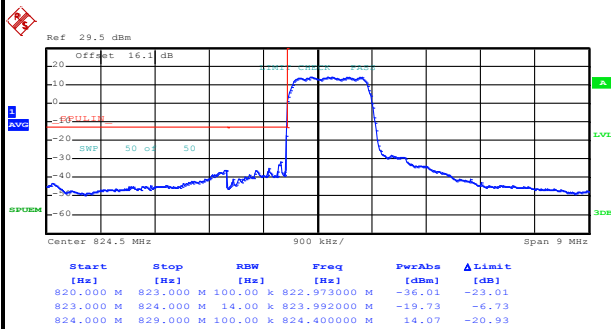
Highest Band Edge



Date: 5.AUG.2015 09:50:17

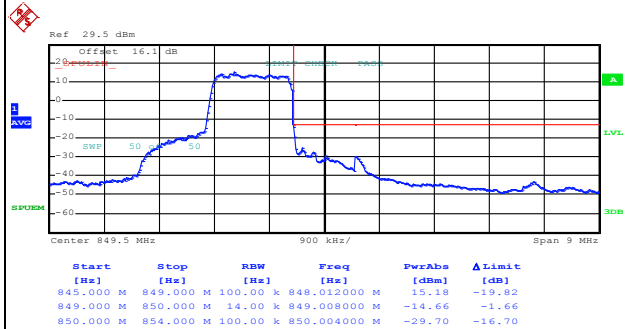
CDMA BC0 (1xEV-DO Rev. 0)

Lowest Band Edge



Date: 5.AUG.2015 10:37:30

Highest Band Edge

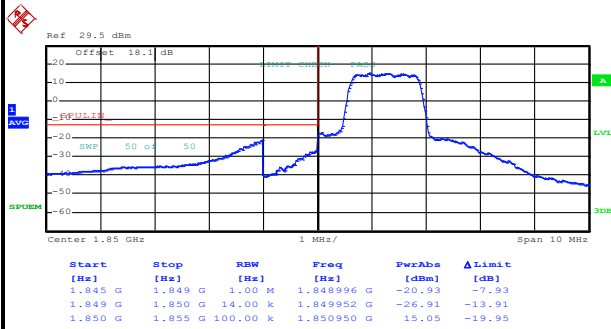


Date: 5.AUG.2015 10:38:58



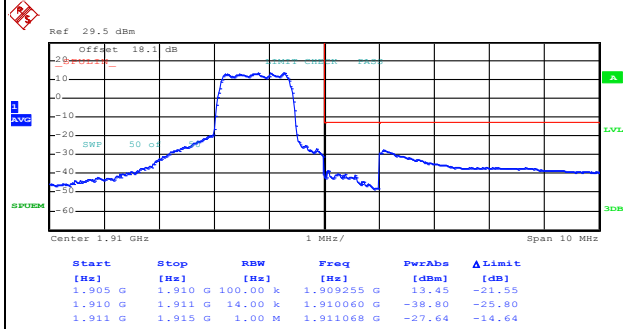
CDMA BC1 (1xRTT)

Lowest Band Edge



Date: 5.AUG.2015 10:15:07

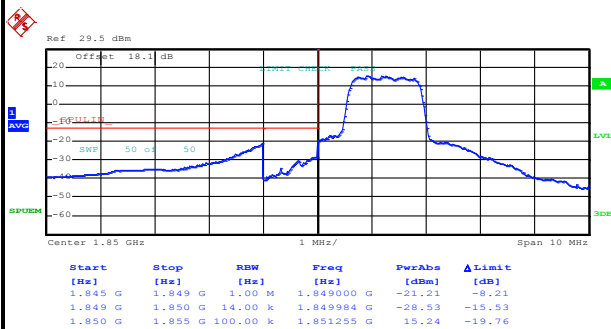
Highest Band Edge



Date: 5.AUG.2015 10:16:37

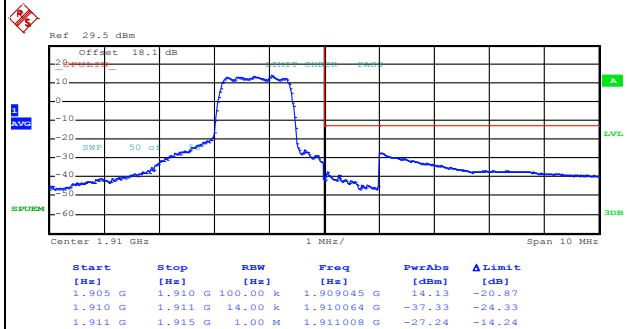
CDMA BC1 (1xEV-DO Rev. 0)

Lowest Band Edge



Date: 5.AUG.2015 10:54:23

Highest Band Edge



Date: 5.AUG.2015 10:55:52

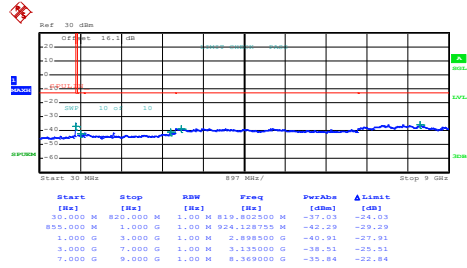


Conducted Spurious Emission



CDMA BC0 (1xRTT)

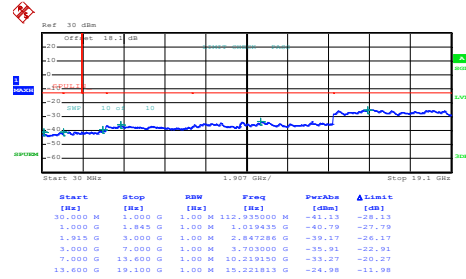
Lowest Channel



Date: 5.AUG.2015 09:50:53

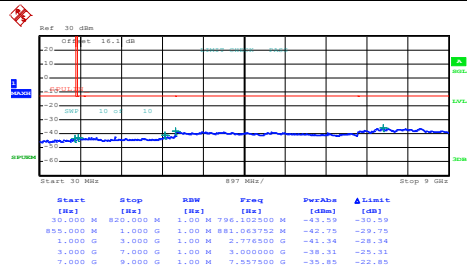
CDMA BC1 (1xRTT)

Lowest Channel



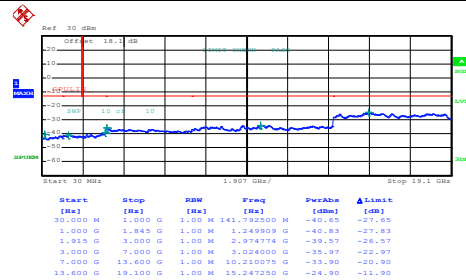
Date: 5.AUG.2015 10:17:12

Middle Channel



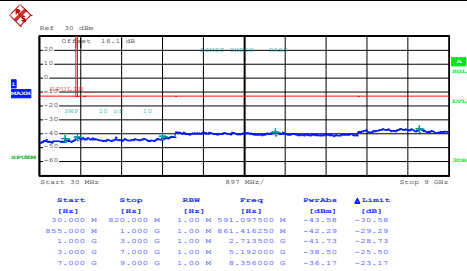
Date: 5.AUG.2015 09:51:25

Middle Channel



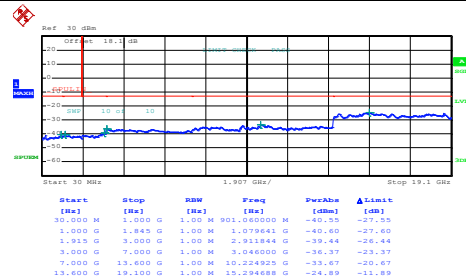
Date: 5.AUG.2015 10:17:44

Highest Channel

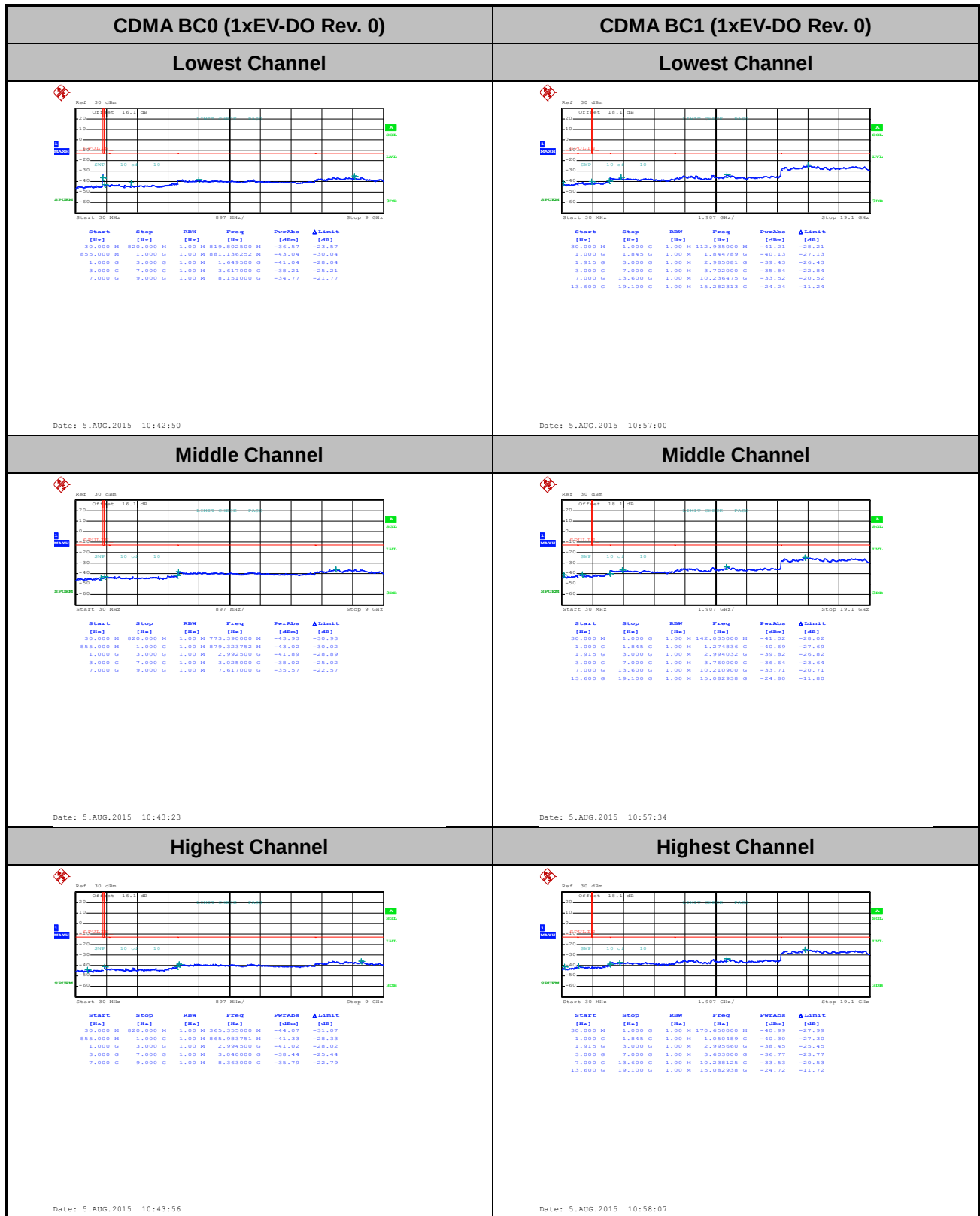


Date: 5.AUG.2015 09:51:59

Highest Channel



Date: 5.AUG.2015 10:18:18



Frequency Stability

Test Conditions Temperature (°C)	Middle Channel Voltage (Volt)	CDMA BC0 (1xRTT)	Limit 2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0335	PASS
40	Normal Voltage	0.0311	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0299	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0263	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0323	
20	Normal Voltage	0.0251	
20	Battery End Point	0.0287	

Note:

1. Normal Voltage = 12V. ; Battery End Point (BEP) = 5 V. ; Maximum Voltage =18 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions	Middle Channel	CDMA BC1 (1xRTT)	Limit Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0048	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0255	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0239	
-10	Normal Voltage	0.0223	
-20	Normal Voltage	0.0048	
-30	Normal Voltage	0.0234	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0037	
20	Battery End Point	0.0027	

Note:

3. Normal Voltage = 12V. ; Battery End Point (BEP) = 5 V. ; Maximum Voltage =18 V
4. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.