

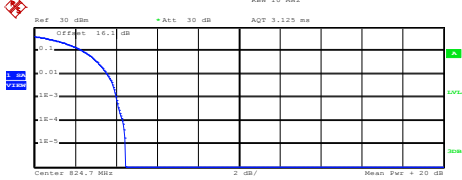
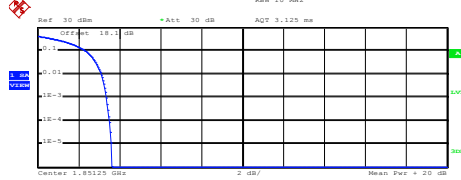
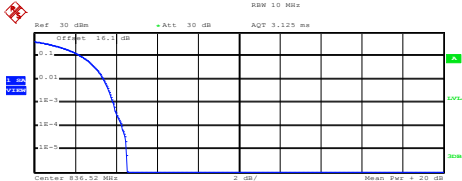
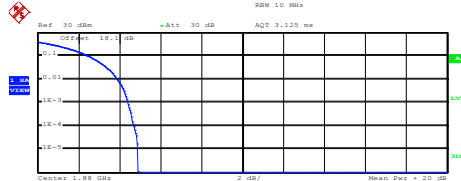
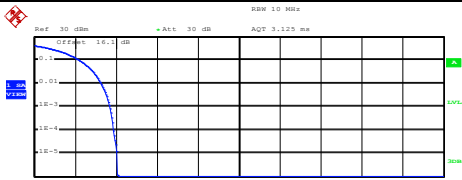
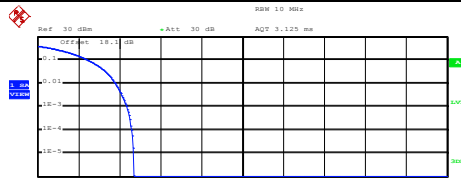
## A3. CDMA

### Peak-to-Average Ratio

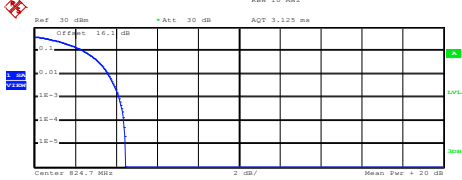
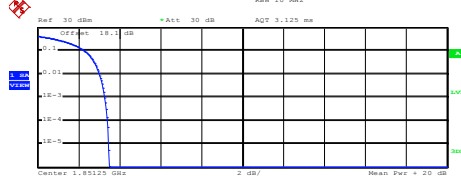
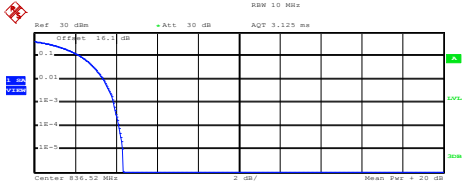
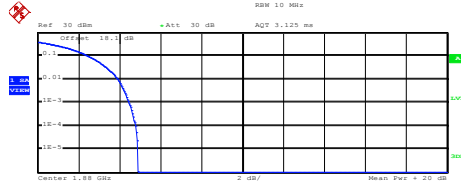
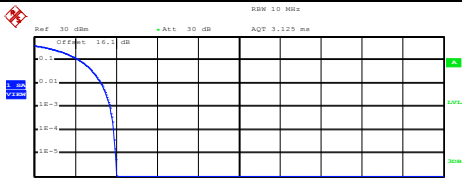
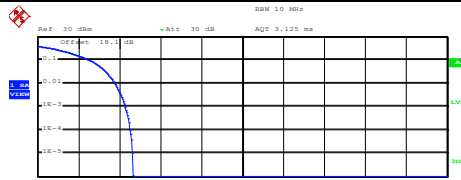
Mode	CDMA BC0	CDMA BC1	Limit: 13dB
Mod.	1xRTT	1xRTT	Result
Lowest CH	4.04	3.36	PASS
Middle CH	3.88	4.44	
Highest CH	3.72	4.36	

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
 <p>Center 824.7 MHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.46 dBm Peak 27.92 dBm Crest 4.46 dB</p> <p>10 % 2.40 dB 1 % 3.56 dB .1 % 4.04 dB .01 % 4.32 dB</p> <p>Date: 5.AUG.2015 09:52:23</p>	 <p>Center 1.85125 GHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 24.31 dBm Peak 27.92 dBm Crest 3.61 dB</p> <p>10 % 2.36 dB 1 % 3.12 dB .1 % 3.36 dB .01 % 3.52 dB</p> <p>Date: 5.AUG.2015 10:18:41</p>
Middle Channel	Middle Channel
 <p>Center 835.52 MHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.12 dBm Peak 27.64 dBm Crest 4.52 dB</p> <p>10 % 2.32 dB 1 % 3.40 dB .1 % 3.88 dB .01 % 4.28 dB</p> <p>Date: 5.AUG.2015 09:52:33</p>	 <p>Center 1.88 GHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.45 dBm Peak 28.35 dBm Crest 4.90 dB</p> <p>10 % 2.52 dB 1 % 3.88 dB .1 % 4.44 dB .01 % 4.72 dB</p> <p>Date: 5.AUG.2015 10:18:51</p>
Highest Channel	Highest Channel
 <p>Center 848.31 MHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.42 dBm Peak 27.50 dBm Crest 4.08 dB</p> <p>10 % 2.24 dB 1 % 3.28 dB .1 % 3.72 dB .01 % 3.88 dB</p> <p>Date: 5.AUG.2015 09:52:43</p>	 <p>Center 1.90875 GHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.02 dBm Peak 27.71 dBm Crest 4.69 dB</p> <p>10 % 2.52 dB 1 % 3.80 dB .1 % 4.36 dB .01 % 4.60 dB</p> <p>Date: 5.AUG.2015 10:19:00</p>

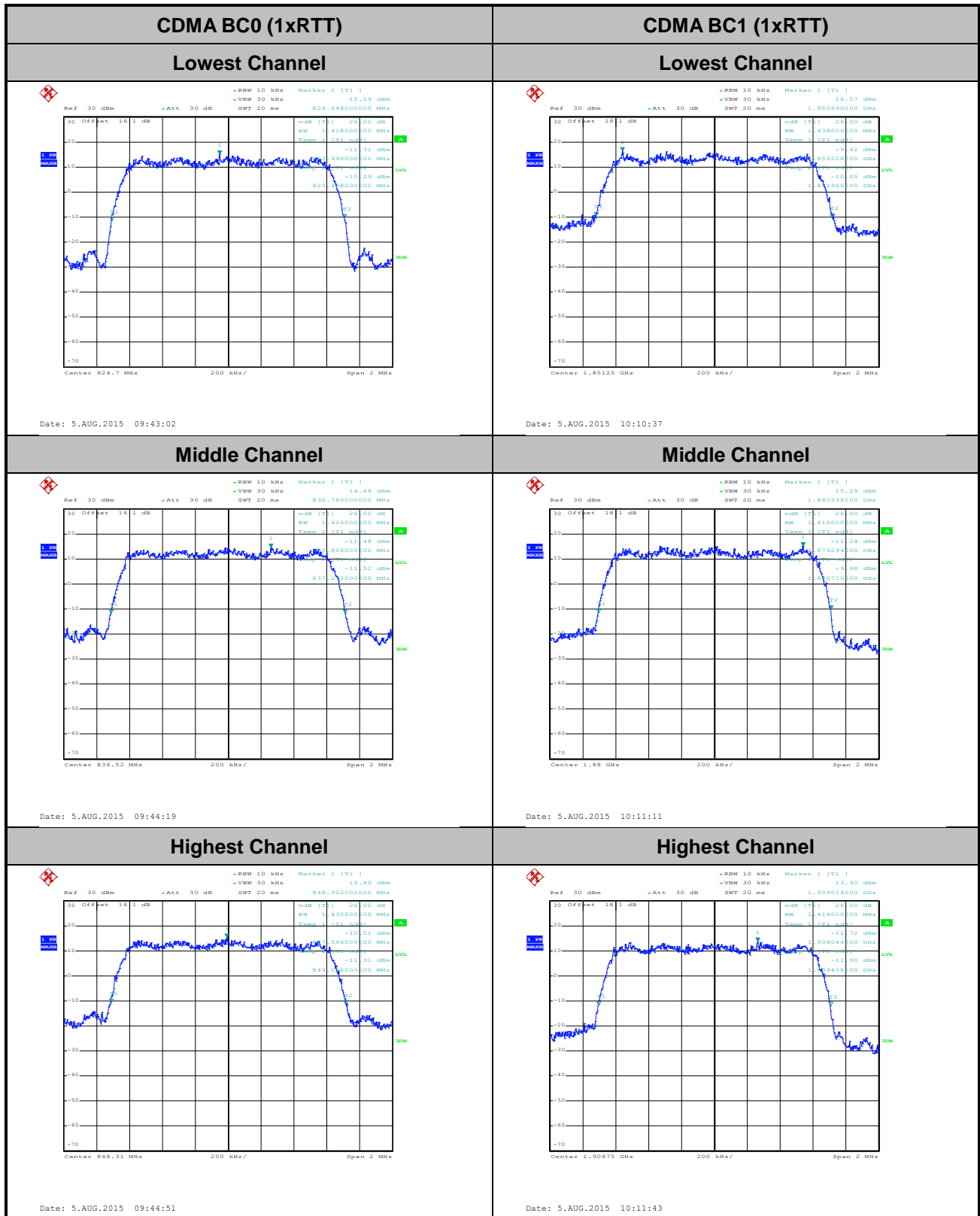


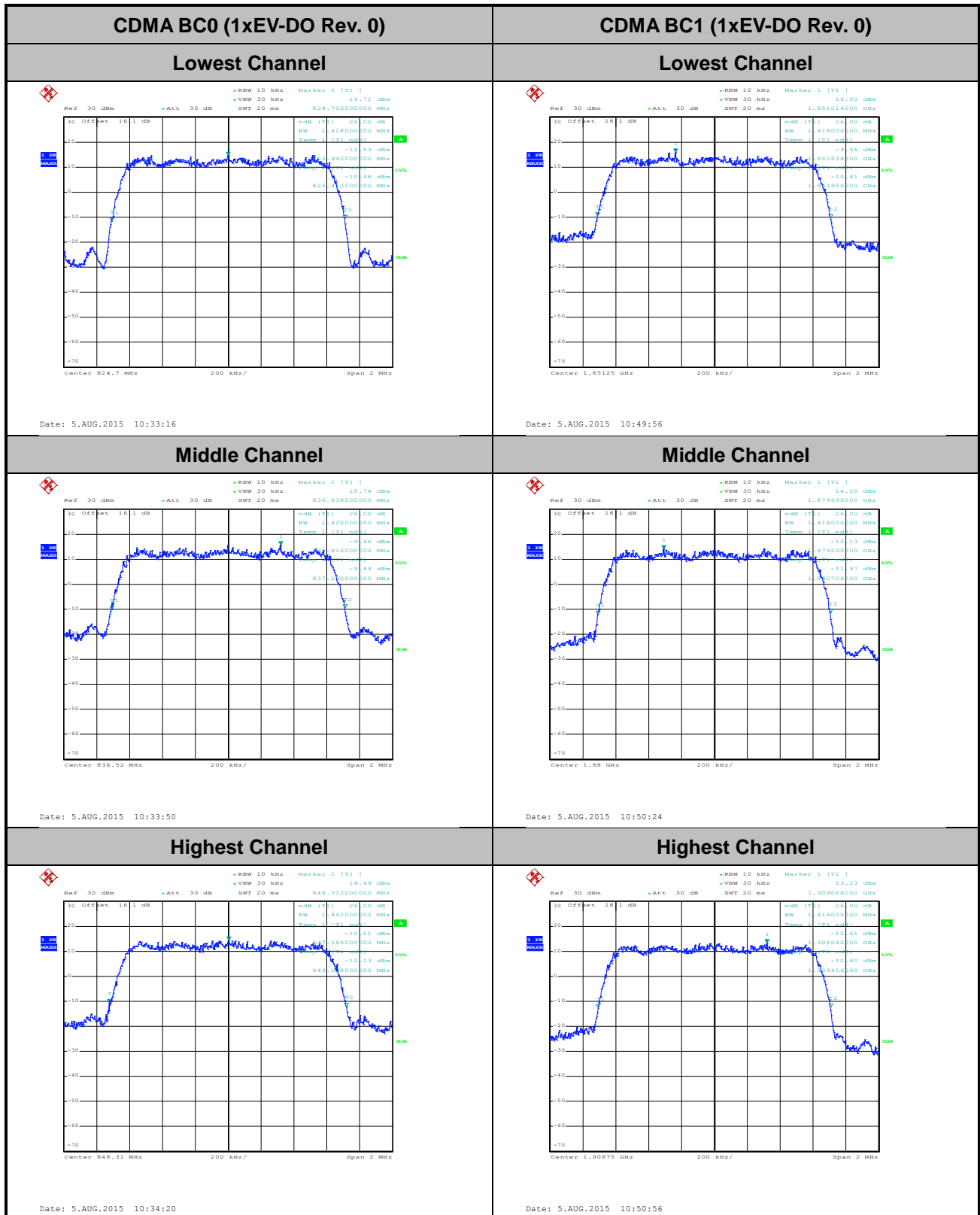
CDMA BC0 (1xEV-DO Rev. 0)	CDMA BC1 (1xEV-DO Rev. 0)
Lowest Channel	Lowest Channel
 <p>Center 824.7 MHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.18 dBm</p> <p>Peak 27.64 dBm</p> <p>Crest 4.46 dB</p> <p>10 % 2.44 dB</p> <p>1 % 3.60 dB</p> <p>.1 % 4.16 dB</p> <p>.01 % 4.40 dB</p> <p>Date: 5.AUG.2015 10:44:15</p>	 <p>Center 1.85125 GHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 24.45 dBm</p> <p>Peak 27.92 dBm</p> <p>Crest 3.48 dB</p> <p>10 % 2.28 dB</p> <p>1 % 3.04 dB</p> <p>.1 % 3.28 dB</p> <p>.01 % 3.44 dB</p> <p>Date: 5.AUG.2015 10:58:36</p>
Middle Channel	Middle Channel
 <p>Center 836.52 MHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.15 dBm</p> <p>Peak 27.50 dBm</p> <p>Crest 4.35 dB</p> <p>10 % 2.24 dB</p> <p>1 % 3.36 dB</p> <p>.1 % 3.88 dB</p> <p>.01 % 4.16 dB</p> <p>Date: 5.AUG.2015 10:44:26</p>	 <p>Center 1.88 GHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.30 dBm</p> <p>Peak 28.21 dBm</p> <p>Crest 4.91 dB</p> <p>10 % 2.52 dB</p> <p>1 % 3.92 dB</p> <p>.1 % 4.48 dB</p> <p>.01 % 4.80 dB</p> <p>Date: 5.AUG.2015 10:58:49</p>
Highest Channel	Highest Channel
 <p>Center 848.31 MHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 23.47 dBm</p> <p>Peak 27.50 dBm</p> <p>Crest 4.03 dB</p> <p>10 % 2.24 dB</p> <p>1 % 3.28 dB</p> <p>.1 % 3.72 dB</p> <p>.01 % 3.88 dB</p> <p>Date: 5.AUG.2015 10:44:37</p>	 <p>Center 1.90875 GHz</p> <p>Ref 30 dBm Att 30 dB AQT 3.125 ms</p> <p>Complementary Cumulative Distribution Function (100000 samples)</p> <p>Trace 1</p> <p>Mean 22.85 dBm</p> <p>Peak 27.50 dBm</p> <p>Crest 4.65 dB</p> <p>10 % 2.56 dB</p> <p>1 % 3.76 dB</p> <p>.1 % 4.28 dB</p> <p>.01 % 4.52 dB</p> <p>Date: 5.AUG.2015 10:59:00</p>

**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

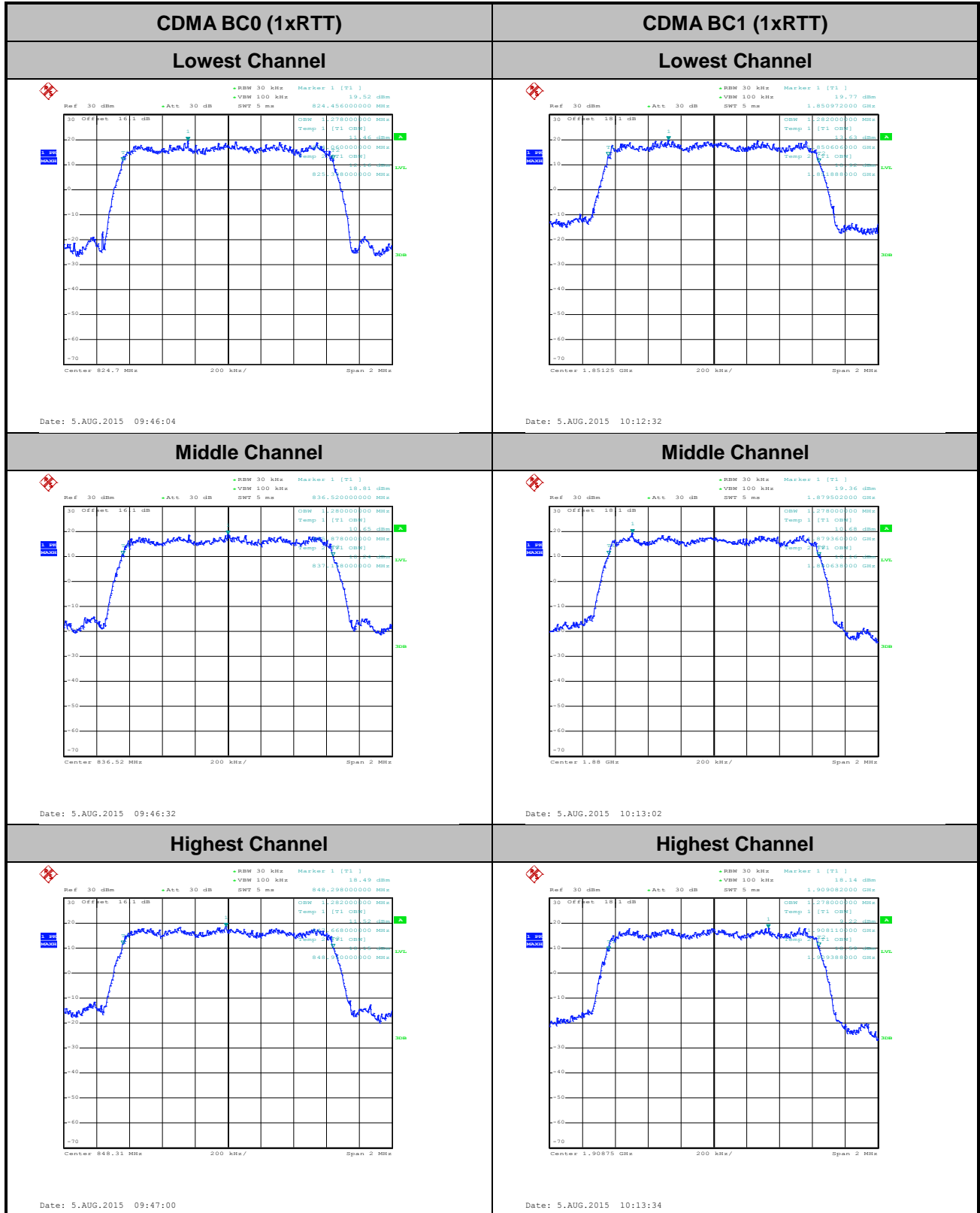




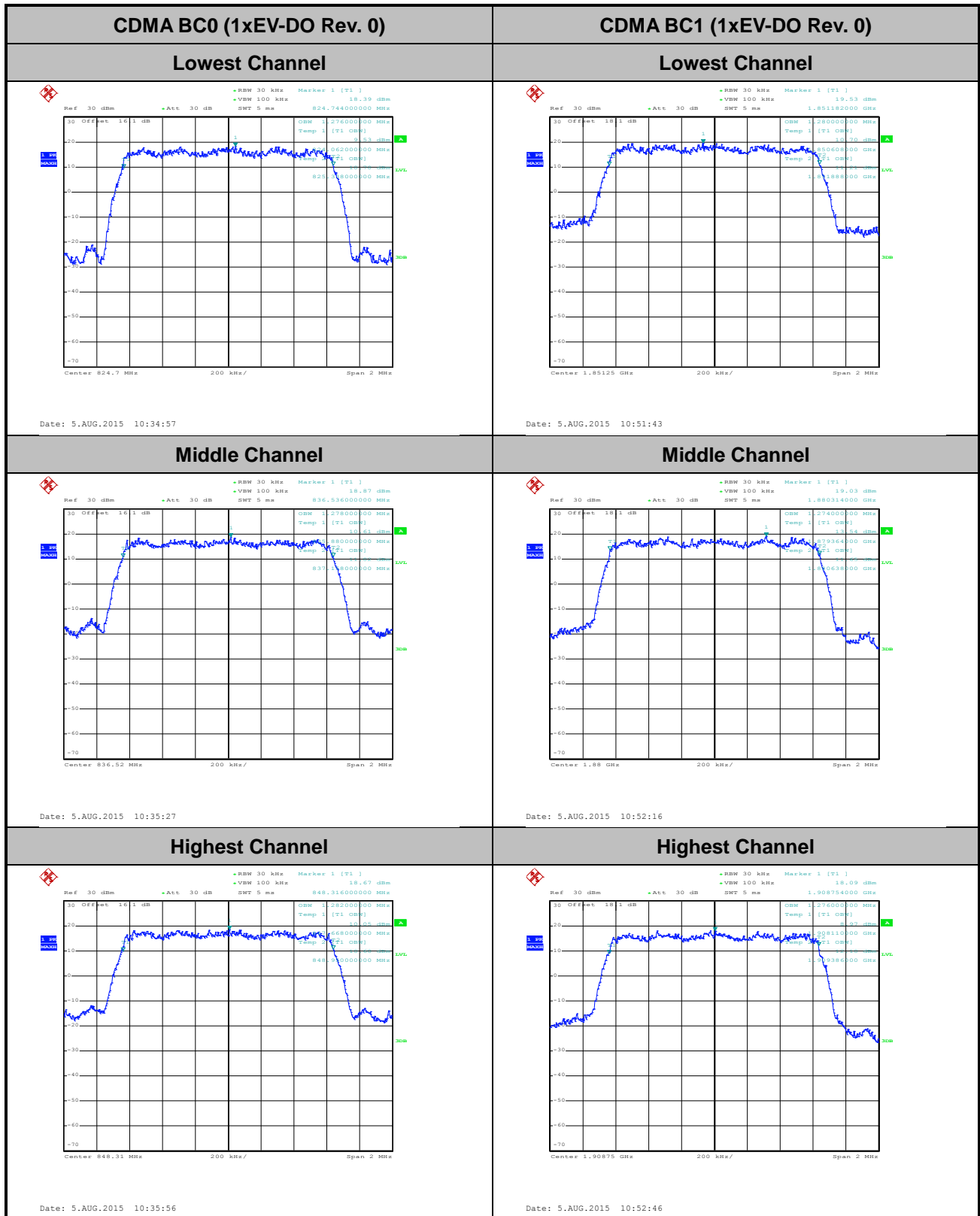
**Occupied Bandwidth**

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







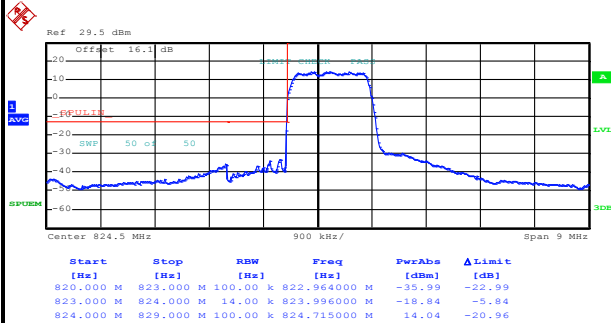


## **Conducted Band Edge**



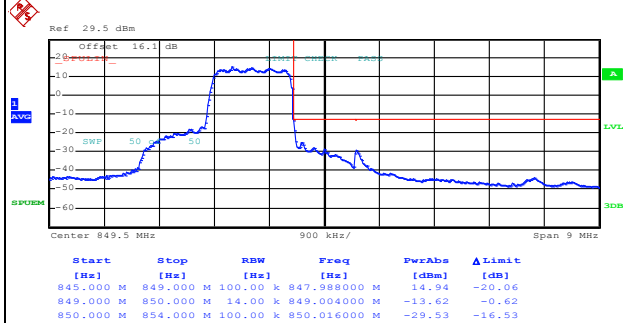
## CDMA BC0 (1xRTT)

## Lowest Band Edge



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

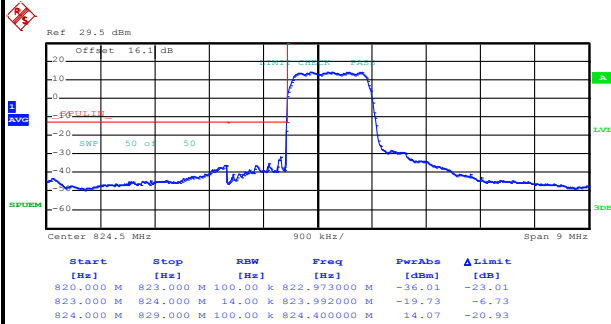
## Highest Band Edge



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

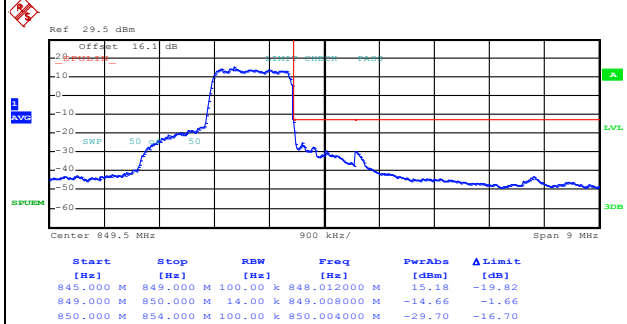
## CDMA BC0 (1xEV-DO Rev. 0)

## Lowest Band Edge



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

## Highest Band Edge

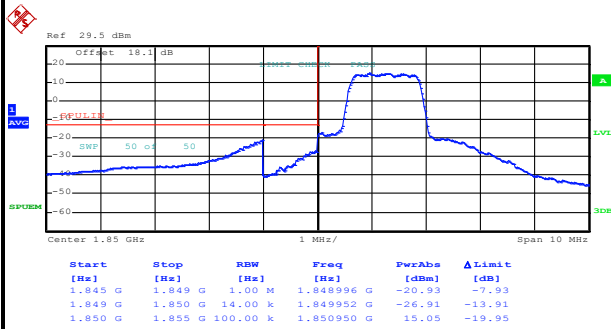


Date: 5.AUG.2015 10:38:58



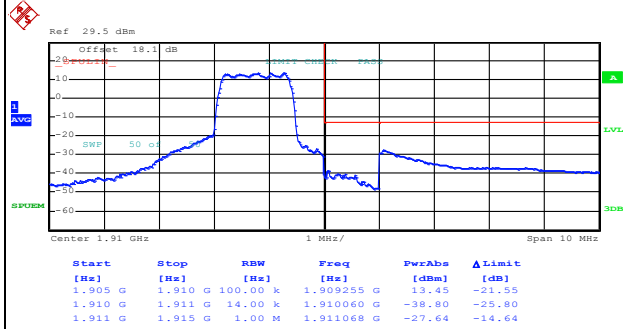
## CDMA BC1 (1xRTT)

## Lowest Band Edge



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

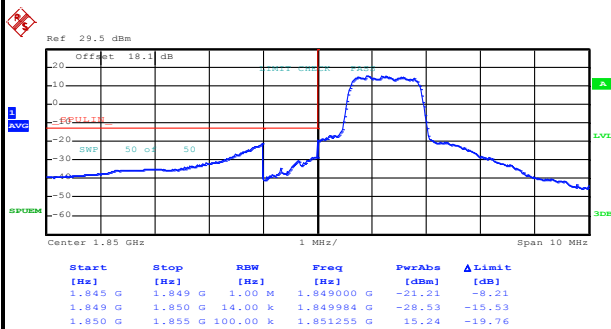
## Highest Band Edge



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

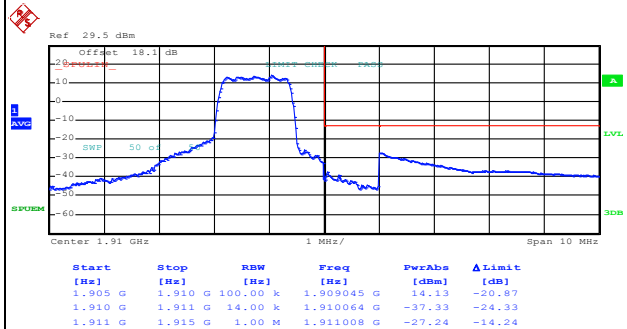
## CDMA BC1 (1xEV-DO Rev. 0)

## Lowest Band Edge



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

## Highest Band Edge



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

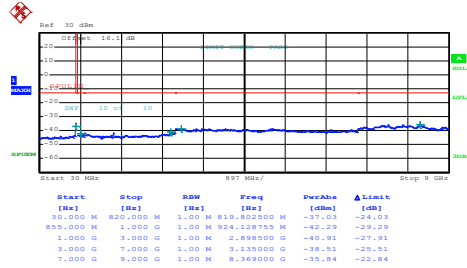


## **Conducted Spurious Emission**



## CDMA BC0 (1xRTT)

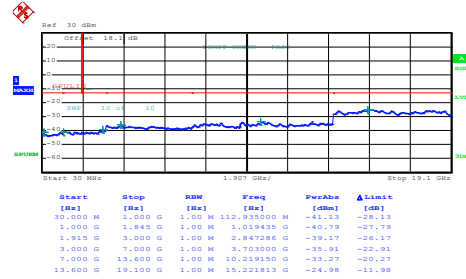
## Lowest Channel



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

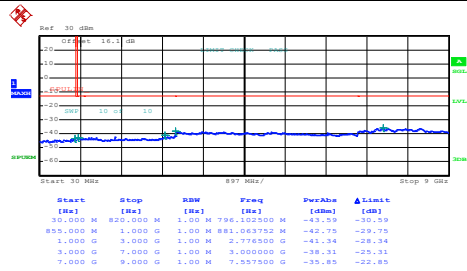
## CDMA BC1 (1xRTT)

## Lowest Channel



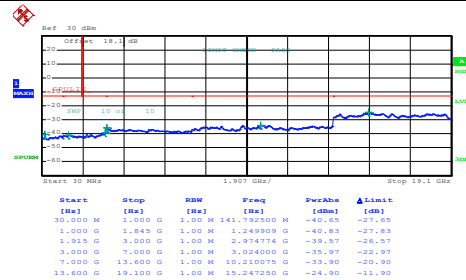
Date: 5.AUG.2015 10:17:12

## Middle Channel



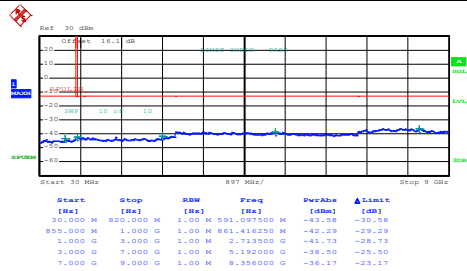
Date: 5.AUG.2015 09:51:25

## Middle Channel



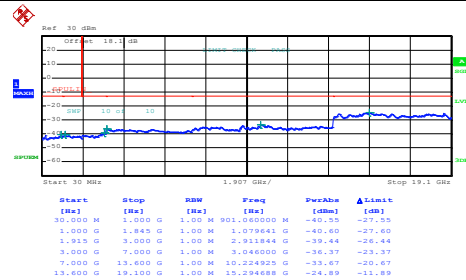
Date: 5.AUG.2015 10:17:44

## Highest Channel

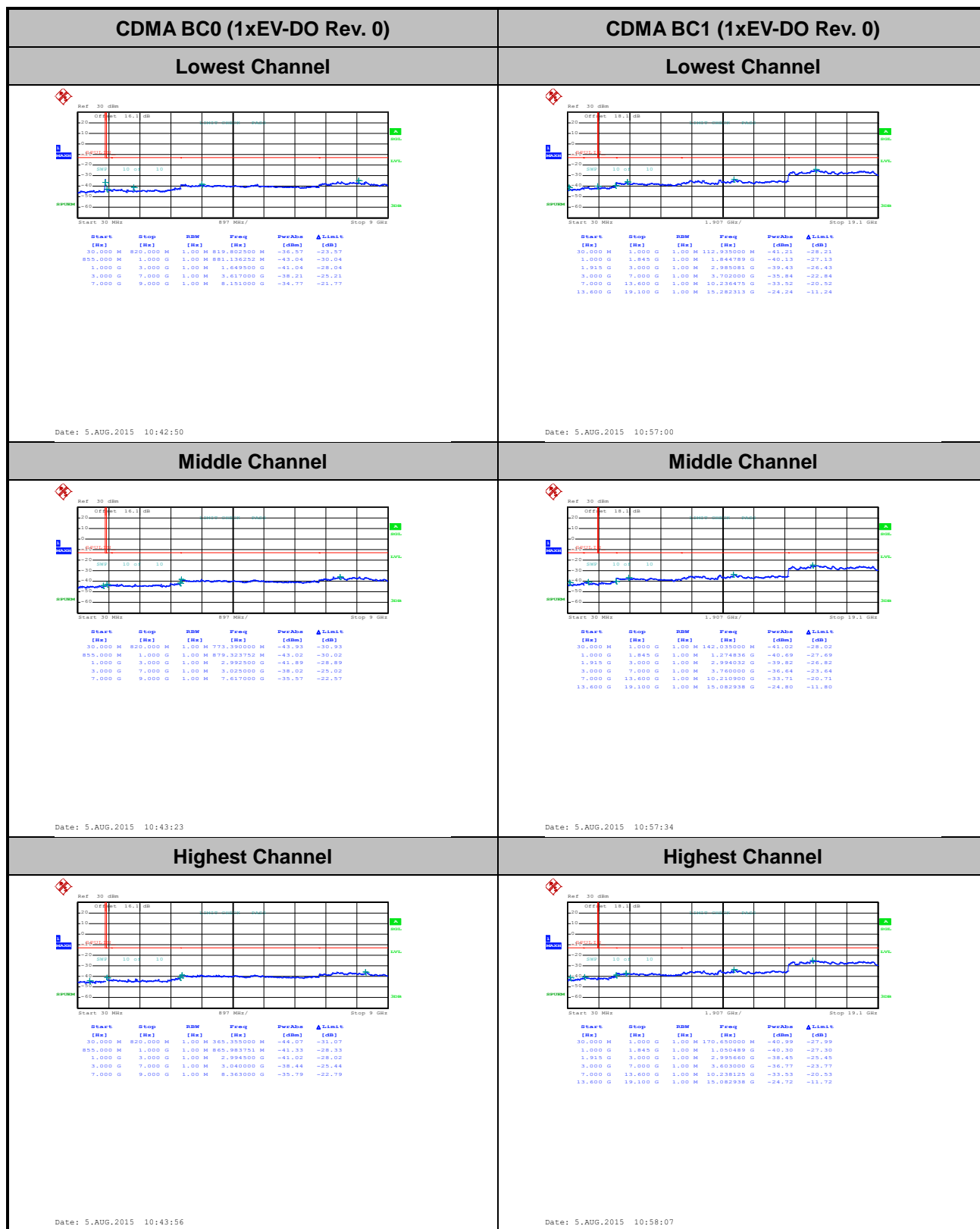


Date: 5.AUG.2015 09:51:59

## Highest Channel



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



**Frequency Stability**

Test Conditions	Middle Channel	CDMA BC0 (1xRTT)	Limit 2.5ppm
Temperature (°C)	Voltage (Volt)	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.