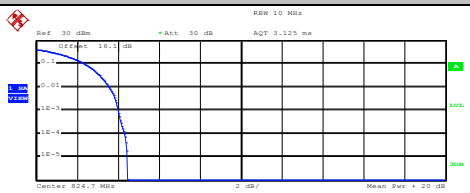
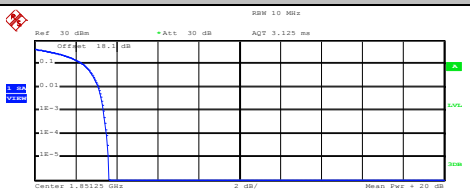
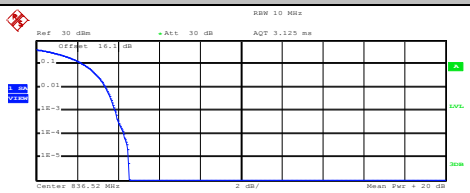
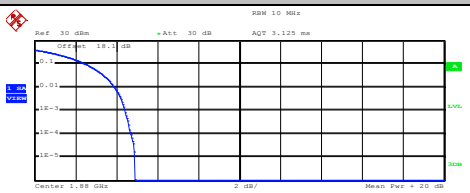
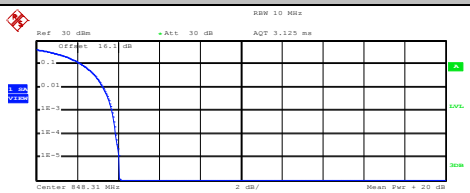
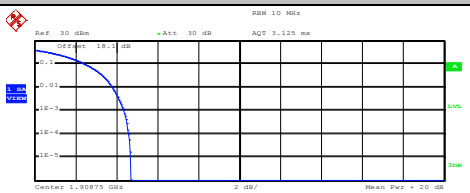
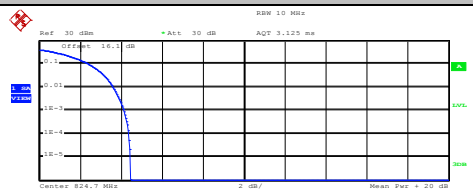
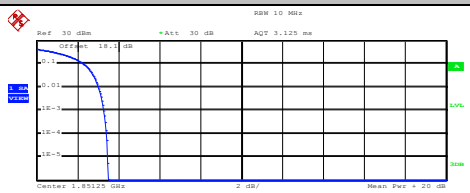
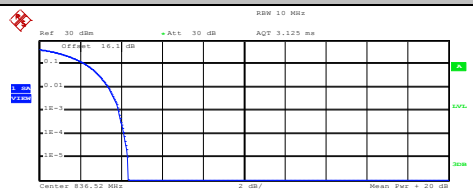
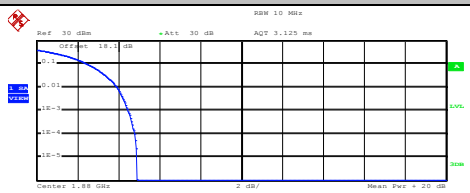
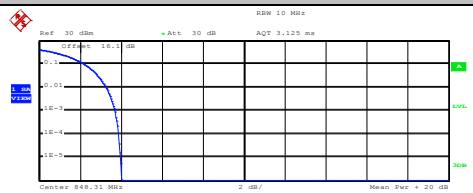
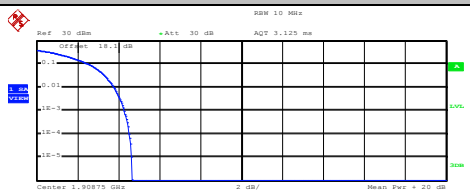
A3. CDMA

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	

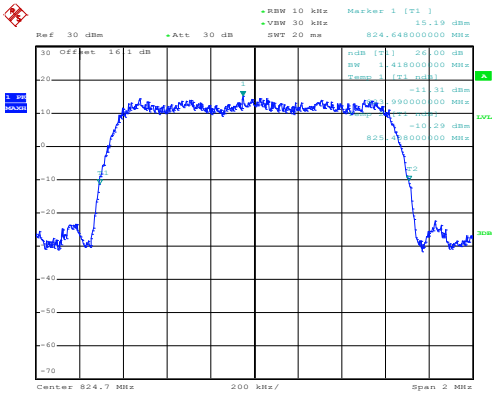
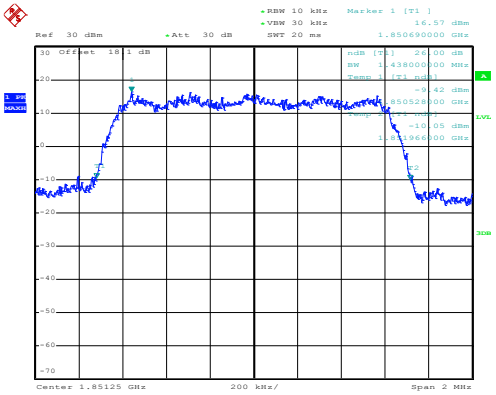
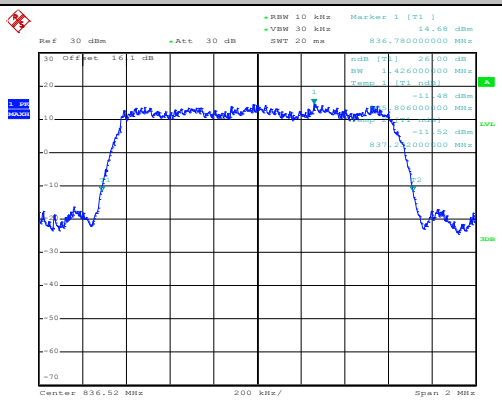
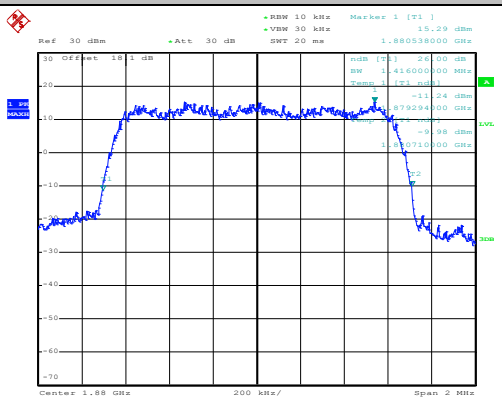
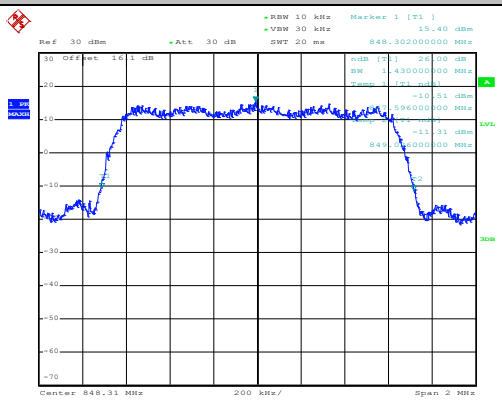
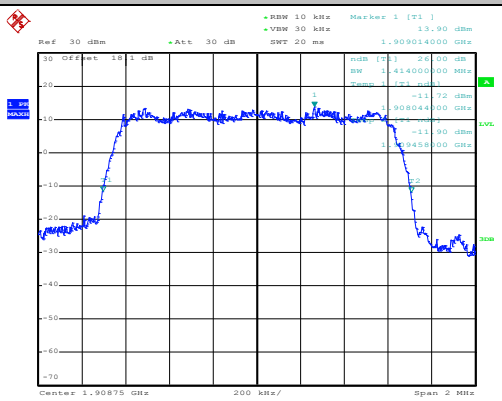
CDMA BC0 (1xRTT)	CDMA BC1 (1xRTT)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 23.46 dBm Peak 27.92 dBm Crest 4.46 dB 10 % 2.40 dB 1 % 3.56 dB .1 % 4.04 dB .01 % 4.32 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 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
Date: 5.AUG.2015 09:52:23	Date: 5.AUG.2015 10:18:41
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 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	Complementary Cumulative Distribution Function (100000 samples) Trace 1 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
Date: 5.AUG.2015 09:52:33	Date: 5.AUG.2015 10:18:51
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 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	Complementary Cumulative Distribution Function (100000 samples) Trace 1 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
Date: 5.AUG.2015 09:52:43	Date: 5.AUG.2015 10:19:00

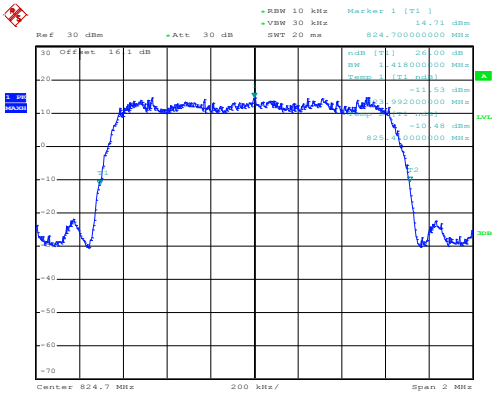
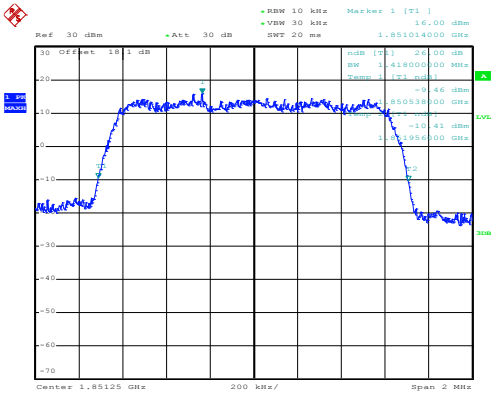
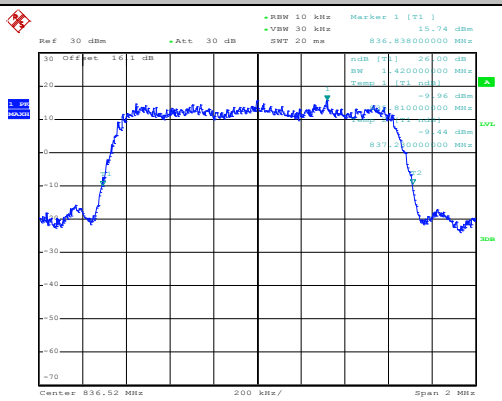
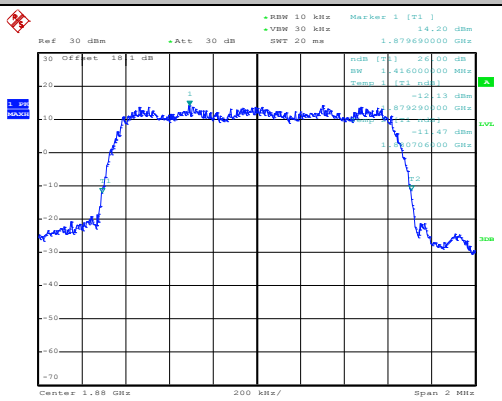
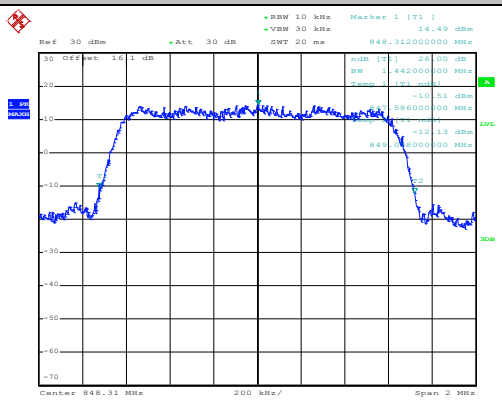
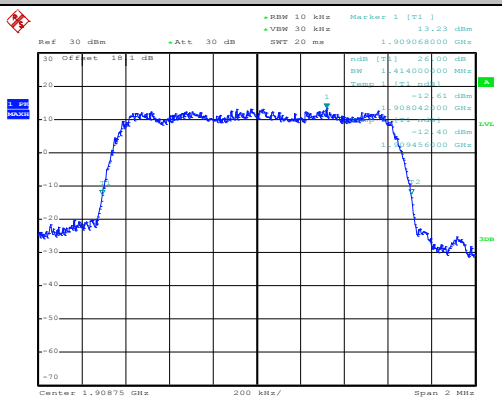
CDMA BC0 (1xEV-DO Rev. 0)	CDMA BC1 (1xEV-DO Rev. 0)
Lowest Channel	**Lowest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 Mean 23.18 dBm Peak 27.64 dBm Crest 4.46 dB 10 % 2.44 dB 1 % 3.60 dB .1 % 4.16 dB .01 % 4.40 dB	Complementary Cumulative Distribution Function (100000 samples) Trace 1 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
Date: 5.AUG.2015 10:44:15	Date: 5.AUG.2015 10:58:36
Middle Channel	**Middle Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 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	Complementary Cumulative Distribution Function (100000 samples) Trace 1 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
Date: 5.AUG.2015 10:44:26	Date: 5.AUG.2015 10:58:49
Highest Channel	**Highest Channel**
	
Complementary Cumulative Distribution Function (100000 samples) Trace 1 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	Complementary Cumulative Distribution Function (100000 samples) Trace 1 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
Date: 5.AUG.2015 10:44:37	Date: 5.AUG.2015 10:59:00

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

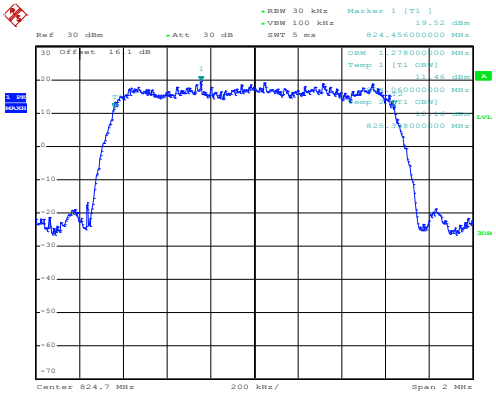
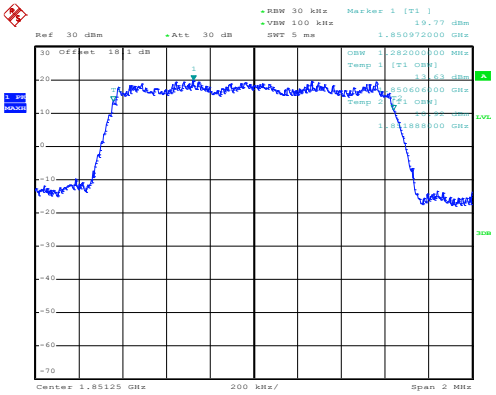
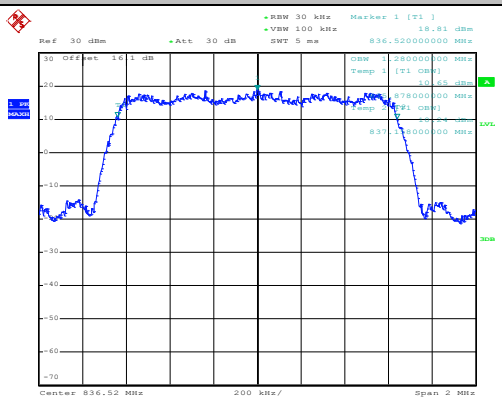
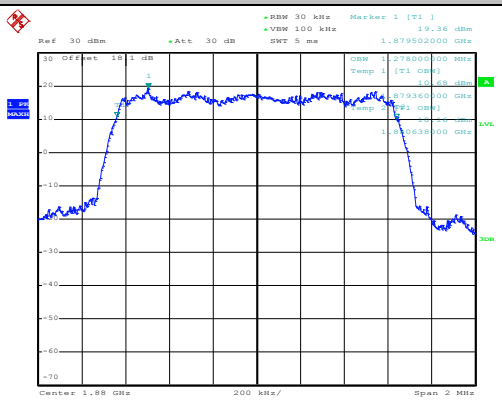
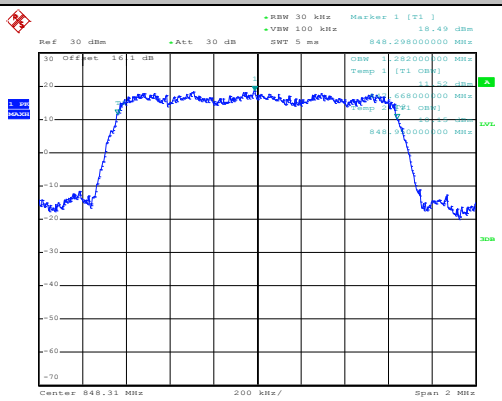
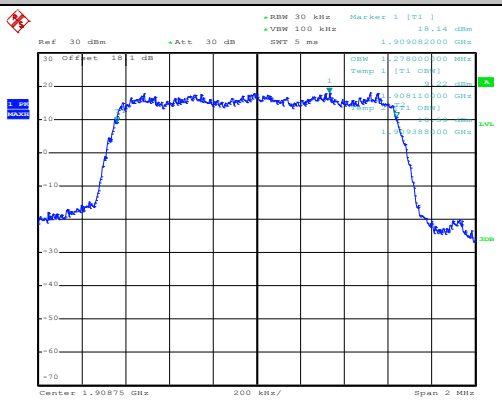
CDMA BC0 (1xRTT)	CDMA BC1 (1xRTT)
Lowest Channel	**Lowest Channel**
	
Date: 5.AUG.2015 09:43:02	Date: 5.AUG.2015 10:10:37
Middle Channel	**Middle Channel**
	
Date: 5.AUG.2015 09:44:19	Date: 5.AUG.2015 10:11:11
Highest Channel	**Highest Channel**
	
Date: 5.AUG.2015 09:44:51	Date: 5.AUG.2015 10:11:43

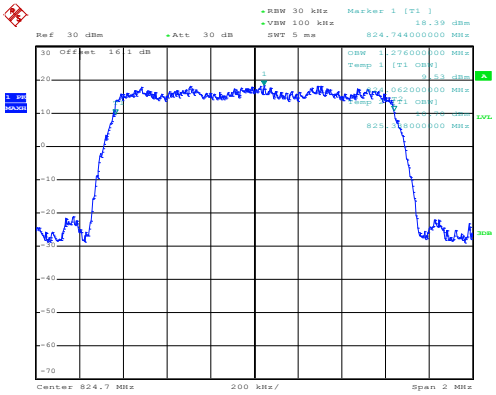
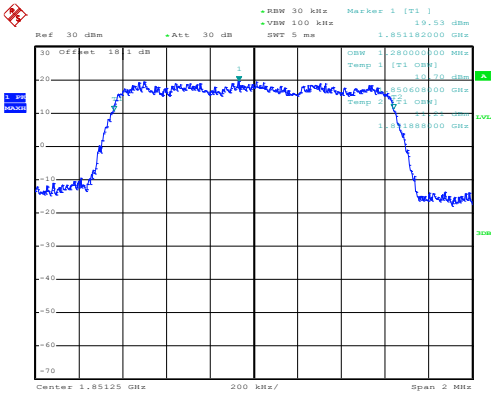
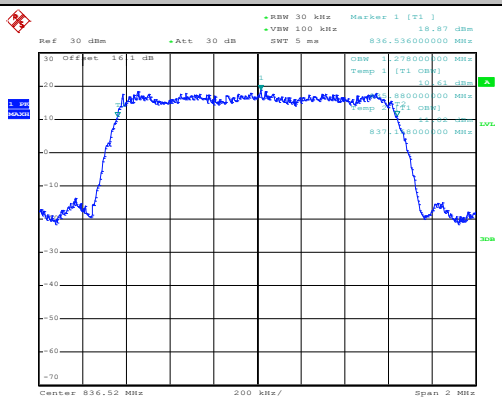
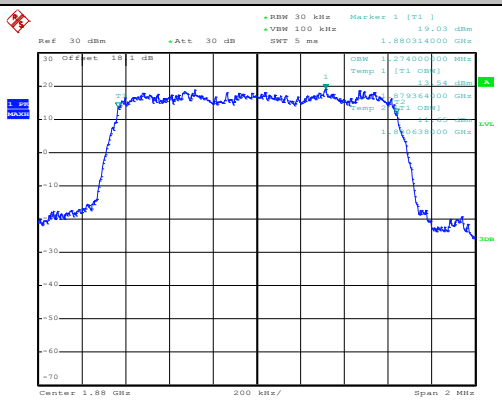
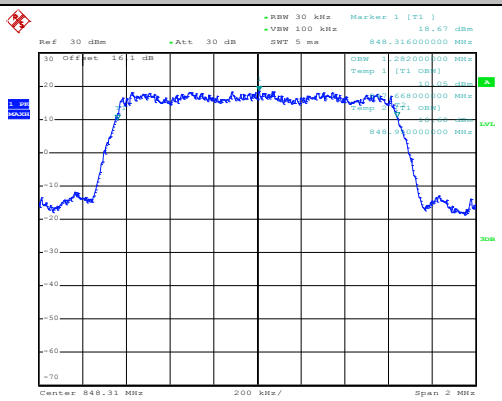
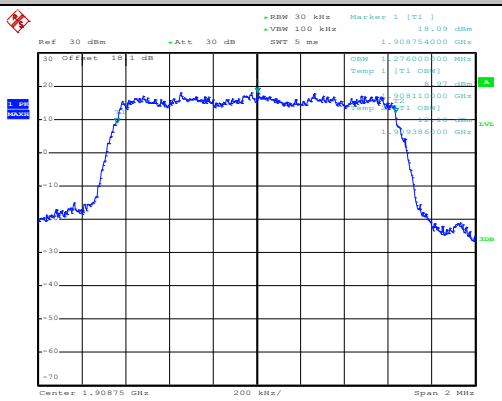
CDMA BC0 (1xEV-DO Rev. 0)	CDMA BC1 (1xEV-DO Rev. 0)
Lowest Channel	**Lowest Channel**
	
Date: 5.AUG.2015 10:33:16	Date: 5.AUG.2015 10:49:56
Middle Channel	**Middle Channel**
	
Date: 5.AUG.2015 10:33:50	Date: 5.AUG.2015 10:50:24
Highest Channel	**Highest Channel**
	
Date: 5.AUG.2015 10:34:20	Date: 5.AUG.2015 10:50:56

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

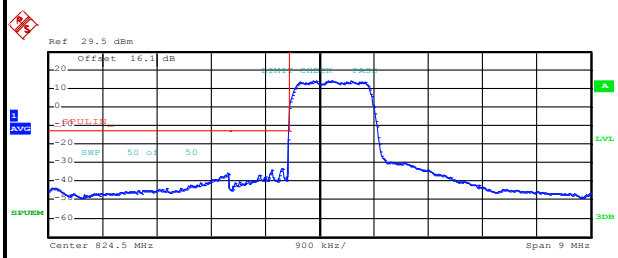
CDMA BC0 (1xRTT)	CDMA BC1 (1xRTT)
Lowest Channel	**Lowest Channel**
	
Date: 5.AUG.2015 09:46:04	Date: 5.AUG.2015 10:12:32
Middle Channel	**Middle Channel**
	
Date: 5.AUG.2015 09:46:32	Date: 5.AUG.2015 10:13:02
Highest Channel	**Highest Channel**
	
Date: 5.AUG.2015 09:47:00	Date: 5.AUG.2015 10:13:34

CDMA BC0 (1xEV-DO Rev. 0)	CDMA BC1 (1xEV-DO Rev. 0)
Lowest Channel	**Lowest Channel**
	
Date: 5.AUG.2015 10:34:57	Date: 5.AUG.2015 10:51:43
Middle Channel	**Middle Channel**
	
Date: 5.AUG.2015 10:35:27	Date: 5.AUG.2015 10:52:16
Highest Channel	**Highest Channel**
	
Date: 5.AUG.2015 10:35:56	Date: 5.AUG.2015 10:52:46

Conducted Band Edge

CDMA BC0 (1xRTT)

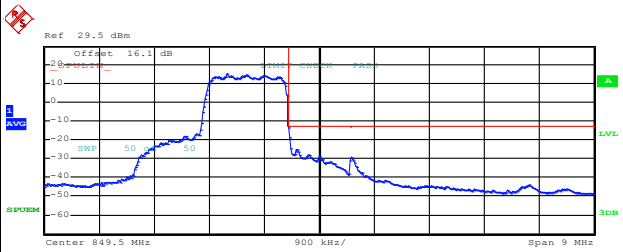
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.964000 M	-35.99	-22.99
823.000 M	824.000 M	14.00 k	823.996000 M	-18.84	-5.84
824.000 M	829.000 M	100.00 k	824.715000 M	14.04	-20.96

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

Highest Band Edge

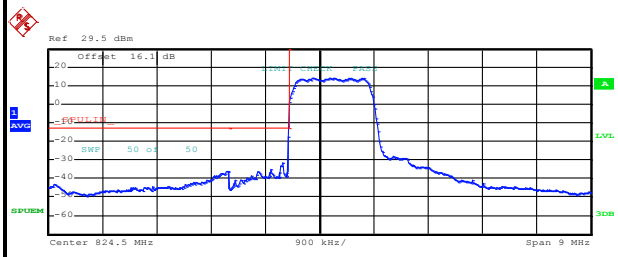


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
845.000 M	849.000 M	100.00 k	847.988000 M	14.94	-20.06
849.000 M	850.000 M	14.00 k	849.004000 M	-13.62	-0.62
850.000 M	854.000 M	100.00 k	850.016000 M	-29.53	-16.53

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

CDMA BC0 (1xEV-DO Rev. 0)

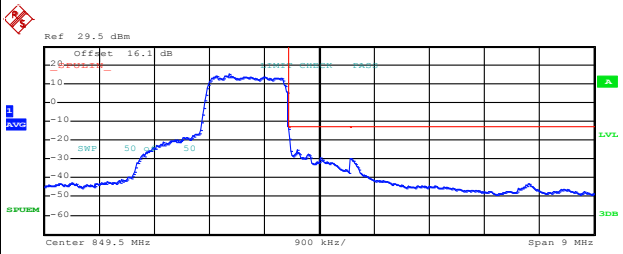
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
820.000 M	823.000 M	100.00 k	822.973000 M	-36.01	-23.01
823.000 M	824.000 M	14.00 k	823.992000 M	-19.73	-6.73
824.000 M	829.000 M	100.00 k	824.400000 M	14.07	-20.93

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

Highest Band Edge

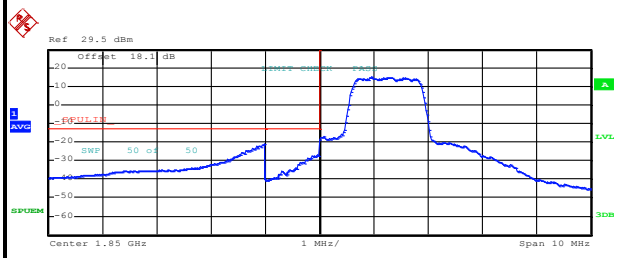


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
845.000 M	849.000 M	100.00 k	848.012000 M	15.18	-19.82
849.000 M	850.000 M	14.00 k	849.008000 M	-14.66	-1.66
850.000 M	854.000 M	100.00 k	850.004000 M	-29.70	-16.70

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

CDMA BC1 (1xRTT)

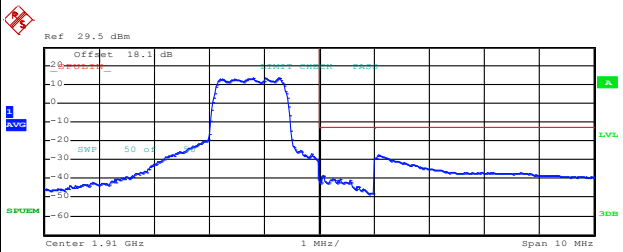
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.848996 G	-20.93	-7.93
1.849 G	1.850 G	14.00 k	1.849952 G	-26.91	-13.91
1.850 G	1.855 G	100.00 k	1.850950 G	15.05	-19.95

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

Highest Band Edge

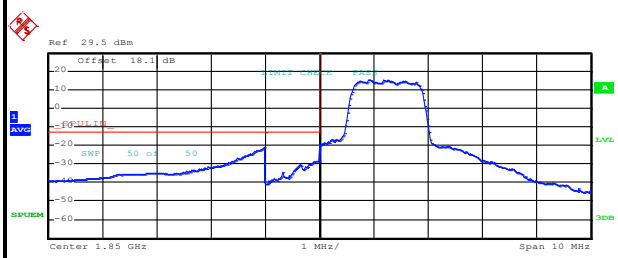


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.905 G	1.910 G	100.00 k	1.909255 G	13.45	-21.55
1.910 G	1.911 G	14.00 k	1.910060 G	-38.80	-25.80
1.911 G	1.915 G	1.00 M	1.911068 G	-27.64	-14.64

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

CDMA BC1 (1xEV-DO Rev. 0)

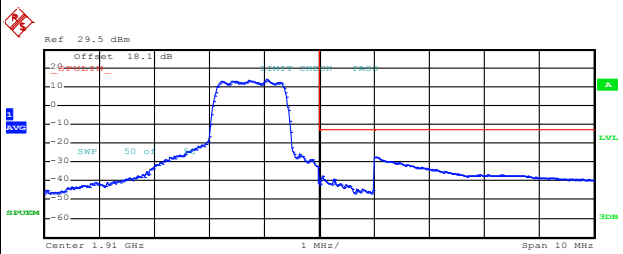
Lowest Band Edge



Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.845 G	1.849 G	1.00 M	1.849000 G	-21.21	-8.21
1.849 G	1.850 G	14.00 k	1.849984 G	-28.53	-15.53
1.850 G	1.855 G	100.00 k	1.851255 G	15.24	-19.76

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

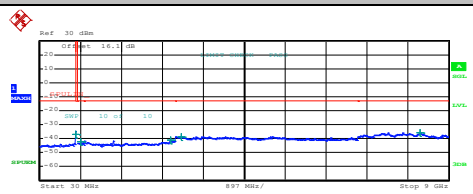
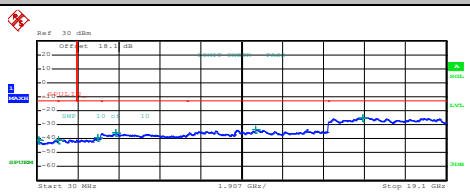
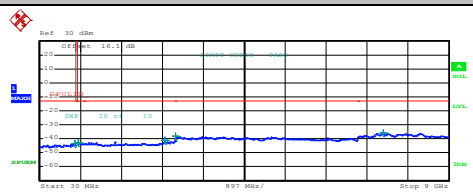
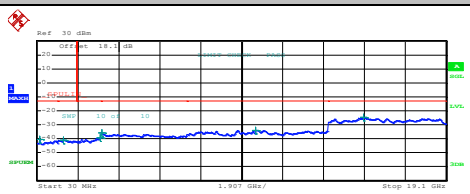
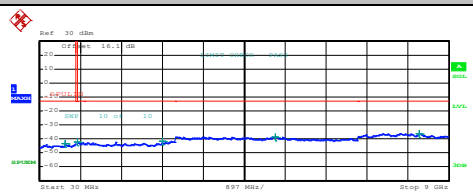
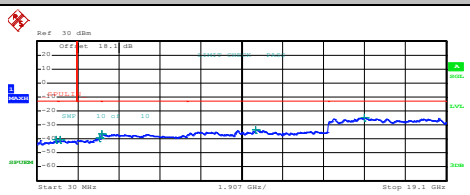
Highest Band Edge

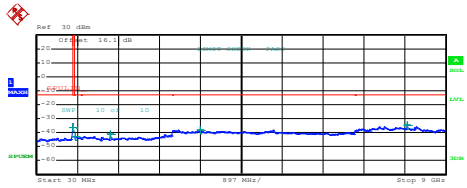
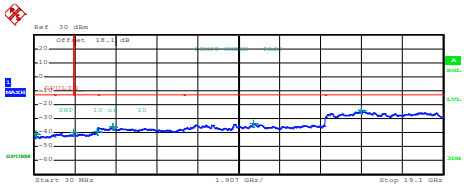
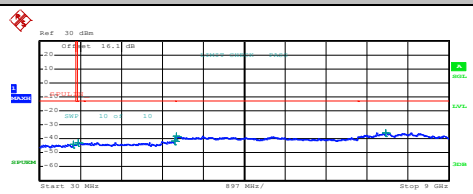
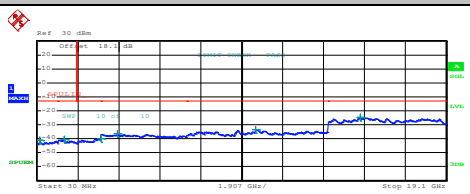
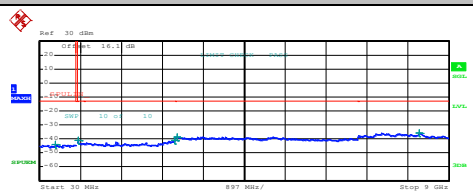
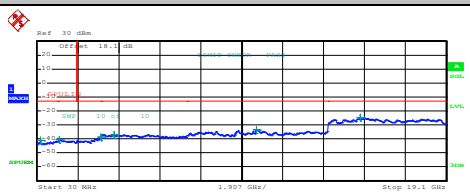


Start [Hz]	Stop [Hz]	RBW [Hz]	Freq [Hz]	PwrAbs [dBm]	ΔLimit [dB]
1.905 G	1.910 G	100.00 k	1.909045 G	14.13	-20.87
1.910 G	1.911 G	14.00 k	1.910064 G	-37.33	-24.33
1.911 G	1.915 G	1.00 M	1.911008 G	-27.24	-14.24

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

Conducted Spurious Emission

CDMA BC0 (1xRTT)	CDMA BC1 (1xRTT)
Lowest Channel	**Lowest Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 819.802500 M / -37.03 / -24.03 855.000 M / 1.000 G / 1.00 M / 924.128755 M / -42.29 / -29.29 1.000 G / 3.000 G / 1.00 M / 2.898500 G / -40.91 / -27.91 3.000 G / 7.000 G / 1.00 M / 3.135000 G / -38.51 / -25.51 7.000 G / 9.000 G / 1.00 M / 8.369000 G / -35.84 / -22.84	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 112.935000 M / -41.13 / -28.13 1.000 G / 1.845 G / 1.00 M / 1.019435 G / -40.79 / -27.79 1.915 G / 3.000 G / 1.00 M / 2.847286 G / -39.17 / -26.17 3.000 G / 7.000 G / 1.00 M / 3.703000 G / -35.91 / -22.91 7.000 G / 13.600 G / 1.00 M / 10.219150 G / -33.27 / -20.27 13.600 G / 19.100 G / 1.00 M / 15.221813 G / -24.98 / -11.98
Date: 5.AUG.2015 09:50:53	Date: 5.AUG.2015 10:17:12
Middle Channel	**Middle Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 796.102500 M / -43.59 / -30.59 855.000 M / 1.000 G / 1.00 M / 881.063752 M / -42.75 / -29.75 1.000 G / 3.000 G / 1.00 M / 2.776500 G / -41.34 / -28.34 3.000 G / 7.000 G / 1.00 M / 3.000000 G / -38.31 / -25.31 7.000 G / 9.000 G / 1.00 M / 7.557500 G / -35.85 / -22.85	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 141.792500 M / -40.65 / -27.65 1.000 G / 1.845 G / 1.00 M / 1.249909 G / -40.83 / -27.83 1.915 G / 3.000 G / 1.00 M / 2.974774 G / -39.57 / -26.57 3.000 G / 7.000 G / 1.00 M / 3.024000 G / -35.97 / -22.97 7.000 G / 13.600 G / 1.00 M / 10.210075 G / -33.90 / -20.90 13.600 G / 19.100 G / 1.00 M / 15.247250 G / -24.90 / -11.90
Date: 5.AUG.2015 09:51:25	Date: 5.AUG.2015 10:17:44
Highest Channel	**Highest Channel**
	
Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 820.000 M / 1.00 M / 591.087500 M / -43.58 / -30.58 855.000 M / 1.000 G / 1.00 M / 861.416250 M / -42.29 / -29.29 1.000 G / 3.000 G / 1.00 M / 2.713500 G / -41.73 / -28.73 3.000 G / 7.000 G / 1.00 M / 5.192000 G / -38.50 / -25.50 7.000 G / 9.000 G / 1.00 M / 8.356000 G / -36.17 / -23.17	Start [Hz] / Stop [Hz] / RBW [Hz] / Freq [Hz] / PwrAbs [dBm] / ΔLimit [dB] 30.000 M / 1.000 G / 1.00 M / 901.060000 M / -40.55 / -27.55 1.000 G / 1.845 G / 1.00 M / 1.079641 G / -40.60 / -27.60 1.915 G / 3.000 G / 1.00 M / 2.911844 G / -39.44 / -26.44 3.000 G / 7.000 G / 1.00 M / 3.046000 G / -36.37 / -23.37 7.000 G / 13.600 G / 1.00 M / 10.224925 G / -33.67 / -20.67 13.600 G / 19.100 G / 1.00 M / 15.294688 G / -24.89 / -11.89
Date: 5.AUG.2015 09:51:59	Date: 5.AUG.2015 10:18:18

CDMA BC0 (1xEV-DO Rev. 0)	CDMA BC1 (1xEV-DO Rev. 0)
Lowest Channel	**Lowest Channel**
	
Date: 5.AUG.2015 10:42:50	Date: 5.AUG.2015 10:57:00
Middle Channel	**Middle Channel**
	
Date: 5.AUG.2015 10:43:23	Date: 5.AUG.2015 10:57:34
Highest Channel	**Highest Channel**
	
Date: 5.AUG.2015 10:43:56	Date: 5.AUG.2015 10:58:07

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.