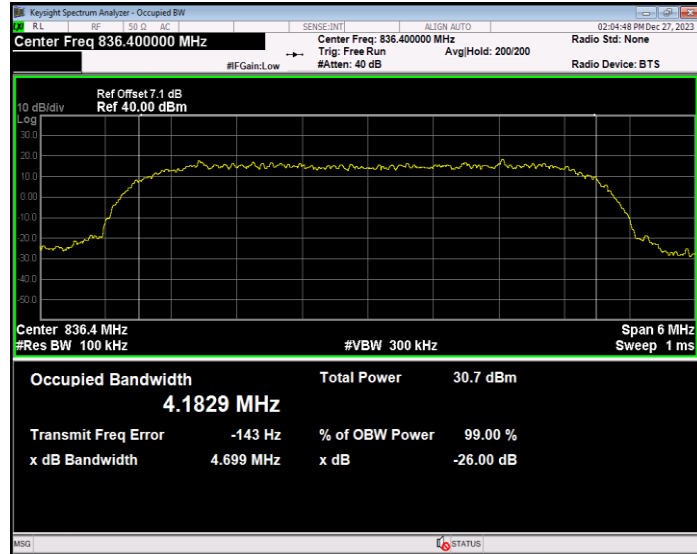
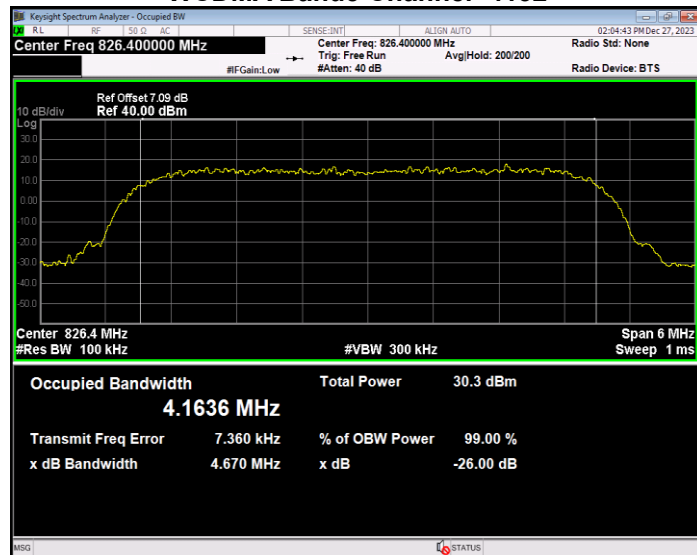


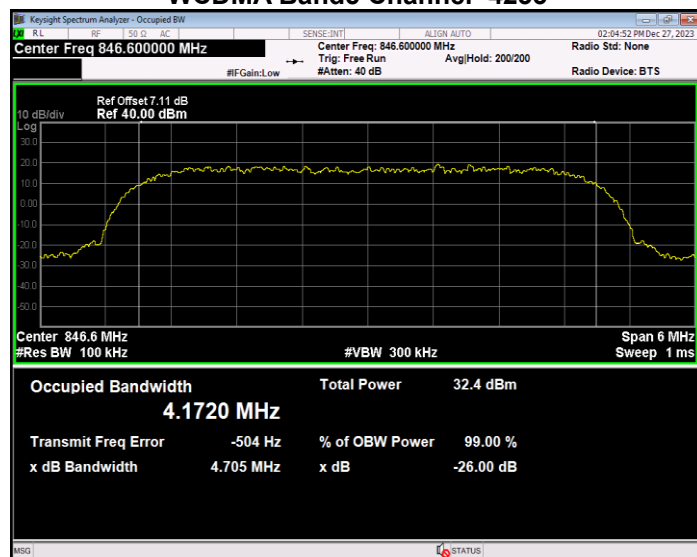
WCDMA Band5 Channel=4182



WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4233



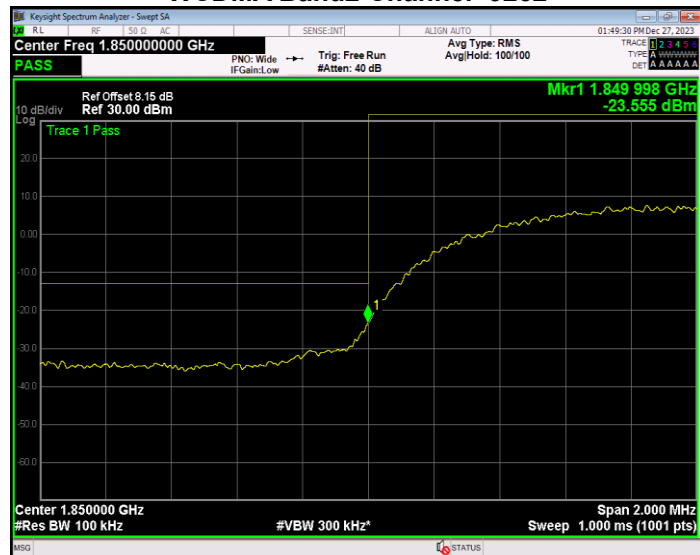
Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	1850.00	-23.55	-13	PASS
WCDMA Band2	9538	1907.6	1910.00	-18.97	-13	PASS
WCDMA Band4	1312	1712.4	1710.00	-24.28	-13	PASS
WCDMA Band4	1513	1752.6	1755.00	-22.66	-13	PASS
WCDMA Band5	4132	826.4	824.00	-24.35	-13	PASS
WCDMA Band5	4233	846.6	849.00	-19.59	-13	PASS

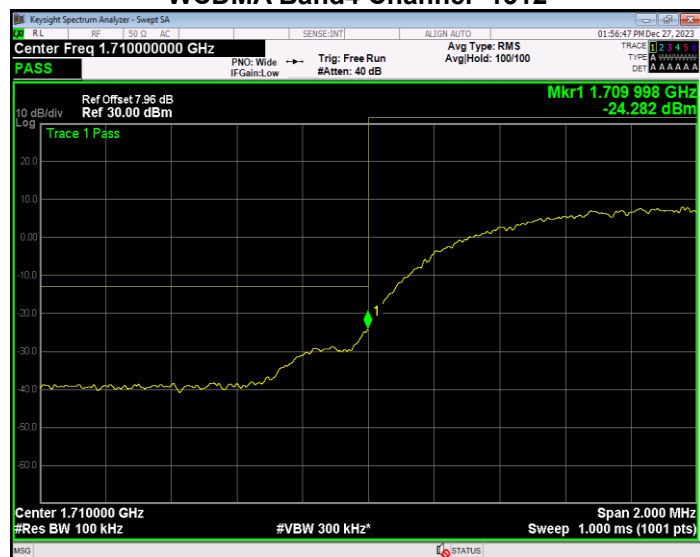
WCDMA Band2 Channel=9538



WCDMA Band2 Channel=9262



WCDMA Band4 Channel=1312



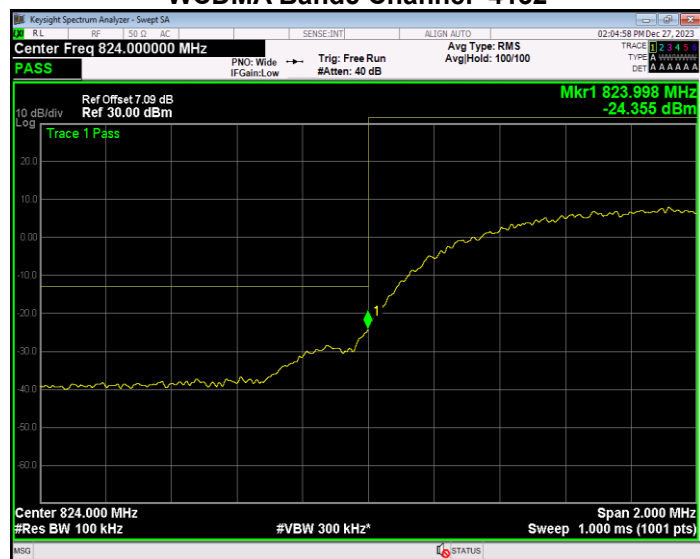
WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4233



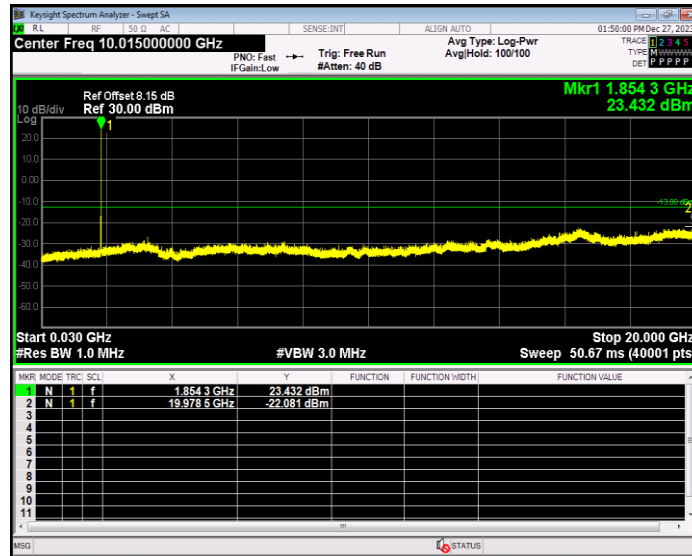
WCDMA Band5 Channel=4132



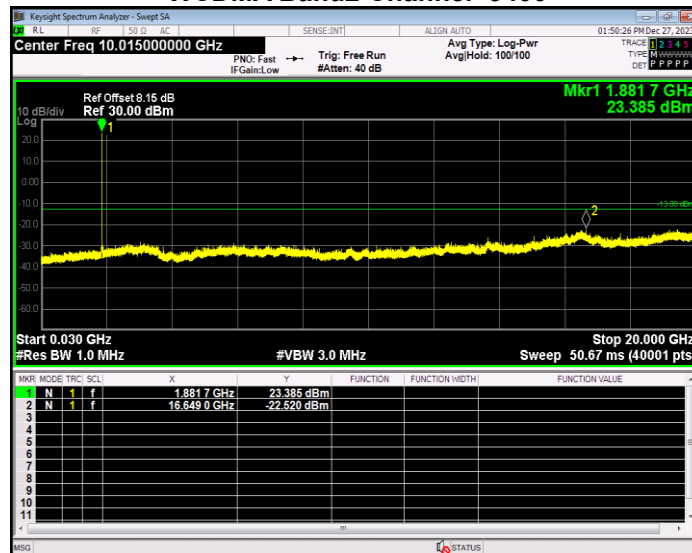
Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	19978.53	-22.08	-13	PASS
WCDMA Band2	9400	1880	16649.03	-22.52	-13	PASS
WCDMA Band2	9538	1907.6	19133.80	-22.87	-13	PASS
WCDMA Band4	1312	1712.4	16498.76	-22.78	-13	PASS
WCDMA Band4	1450	1740	19262.61	-21.90	-13	PASS
WCDMA Band4	1513	1752.6	16397.41	-22.44	-13	PASS
WCDMA Band5	4132	826.4	3134.91	-29.50	-13	PASS
WCDMA Band5	4182	836.4	5838.77	-29.76	-13	PASS
WCDMA Band5	4233	846.6	3160.08	-29.58	-13	PASS

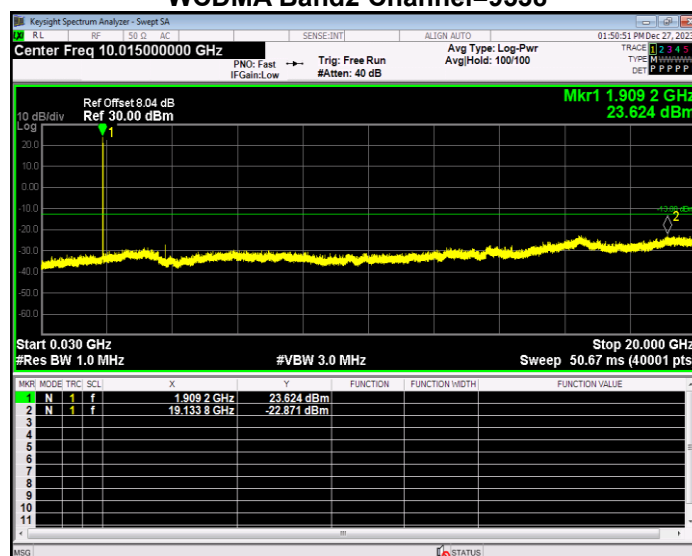
WCDMA Band2 Channel=9262



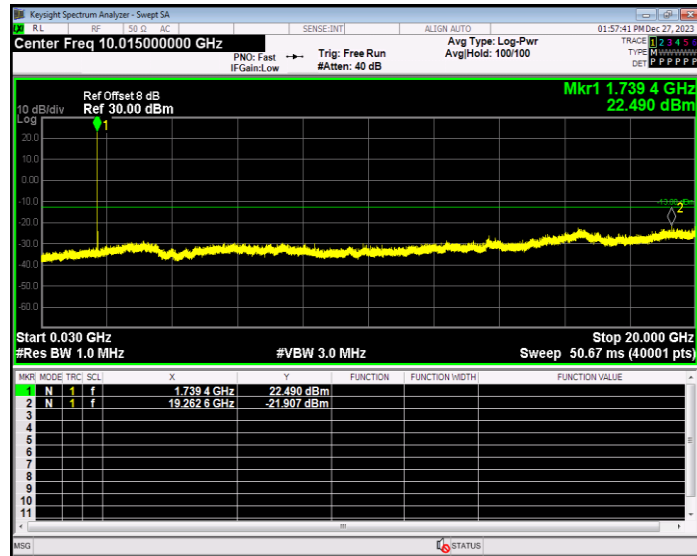
WCDMA Band2 Channel=9400



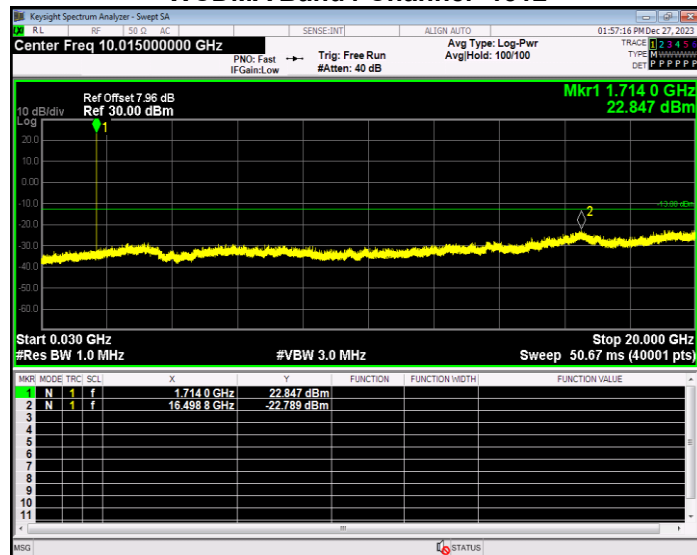
WCDMA Band2 Channel=9538



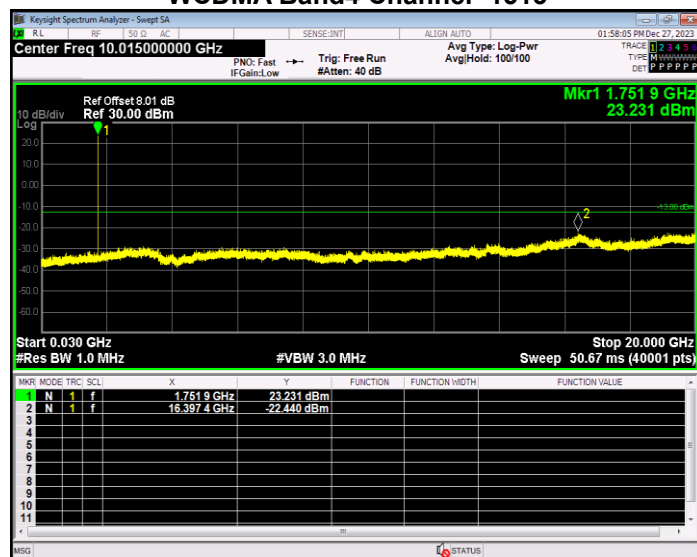
WCDMA Band4 Channel=1450



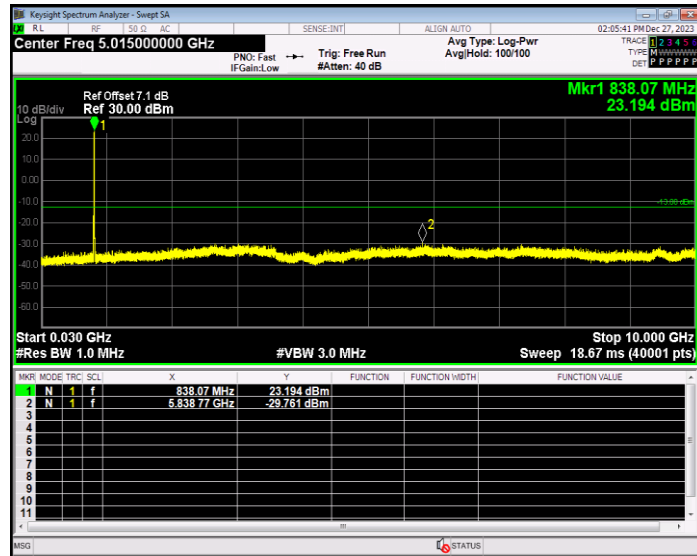
WCDMA Band4 Channel=1312



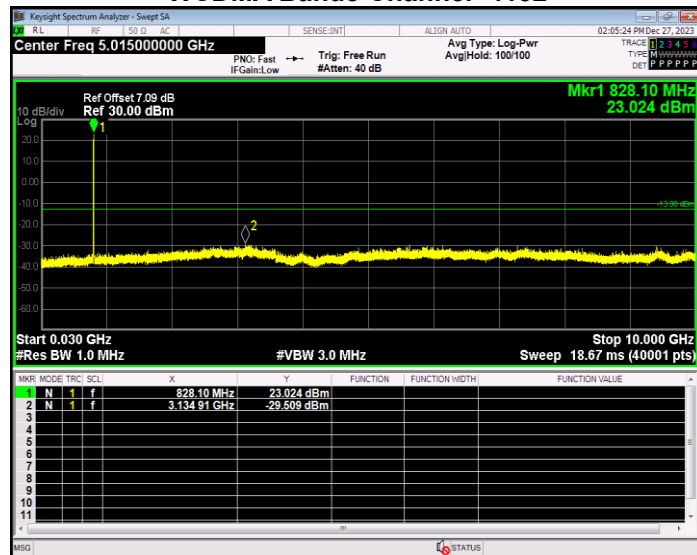
WCDMA Band4 Channel=1513



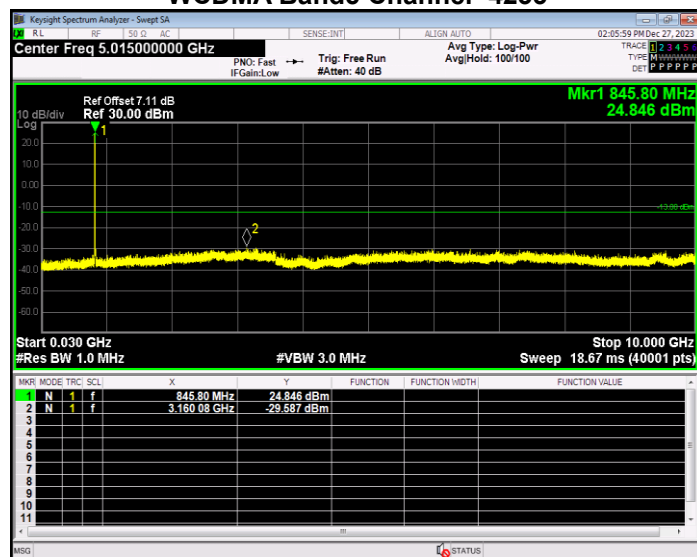
WCDMA Band5 Channel=4182



WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4233



RADIATED SPURIOUS EMISSION

Note:

(1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequency below 1000MHz.

(2) Test is divided into three directions, X/Y/Z. X pattern for the worst.

WCDMA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3704.15	-29.10	7.00	12.93	-35.03	-13.00	-22.03	H
5557.24	-26.08	8.20	17.11	-34.99	-13.00	-21.99	H
7409.82	-24.17	8.10	22.20	-38.27	-13.00	-25.27	H
3704.36	-27.49	7.00	12.93	-33.42	-13.00	-20.42	V
5557.22	-26.74	8.20	17.11	-35.65	-13.00	-22.65	V
7409.76	-27.80	8.10	22.20	-41.90	-13.00	-28.90	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.92	-26.80	7.00	12.93	-32.73	-13.00	-19.73	H
5639.90	-28.59	8.20	17.11	-37.50	-13.00	-24.50	H
7520.18	-26.35	8.10	22.20	-40.45	-13.00	-27.45	H
3760.09	-26.58	7.00	12.93	-32.51	-13.00	-19.51	V
5640.03	-25.75	8.20	17.11	-34.66	-13.00	-21.66	V
7519.85	-26.86	8.10	22.20	-40.96	-13.00	-27.96	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3815.30	-25.26	7.00	12.93	-31.19	-13.00	-18.19	H
5722.03	-26.61	8.20	17.11	-35.52	-13.00	-22.52	H
7630.01	-26.78	8.10	22.20	-40.88	-13.00	-27.88	H
3815.65	-28.61	7.00	12.93	-34.54	-13.00	-21.54	V
5722.17	-29.27	8.20	17.11	-38.18	-13.00	-25.18	V
7629.90	-25.61	8.10	22.20	-39.71	-13.00	-26.71	V

HSUPA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3704.23	-25.10	7.00	12.93	-31.03	-13.00	-18.03	H
5557.64	-28.06	8.20	17.11	-36.97	-13.00	-23.97	H
7409.81	-25.43	8.10	22.20	-39.53	-13.00	-26.53	H
3704.12	-26.28	7.00	12.93	-32.21	-13.00	-19.21	V
5557.38	-29.08	8.20	17.11	-37.99	-13.00	-24.99	V
7409.83	-27.38	8.10	22.20	-41.48	-13.00	-28.48	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3760.02	-25.07	7.00	12.93	-31.00	-13.00	-18.00	H
5640.06	-26.49	8.20	17.11	-35.40	-13.00	-22.40	H
7520.02	-24.81	8.10	22.20	-38.91	-13.00	-25.91	H
3760.22	-27.50	7.00	12.93	-33.43	-13.00	-20.43	V
5640.27	-26.54	8.20	17.11	-35.45	-13.00	-22.45	V
7519.93	-24.80	8.10	22.20	-38.90	-13.00	-25.90	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3815.40	-28.18	7.00	12.93	-34.11	-13.00	-21.11	H
5722.11	-27.95	8.20	17.11	-36.86	-13.00	-23.86	H
7629.91	-23.76	8.10	22.20	-37.86	-13.00	-24.86	H
3815.53	-29.42	7.00	12.93	-35.35	-13.00	-22.35	V
5722.27	-26.41	8.20	17.11	-35.32	-13.00	-22.32	V
7630.08	-27.13	8.10	22.20	-41.23	-13.00	-28.23	V

HSDPA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3704.01	-28.91	7.00	12.93	-34.84	-13.00	-21.84	H
5557.50	-25.68	8.20	17.11	-34.59	-13.00	-21.59	H
7409.63	-24.49	8.10	22.20	-38.59	-13.00	-25.59	H
3704.34	-28.08	7.00	12.93	-34.01	-13.00	-21.01	V
5557.27	-26.26	8.20	17.11	-35.17	-13.00	-22.17	V
7409.89	-25.01	8.10	22.20	-39.11	-13.00	-26.11	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3760.16	-29.10	7.00	12.93	-35.03	-13.00	-22.03	H
5640.03	-26.76	8.20	17.11	-35.67	-13.00	-22.67	H
7520.24	-26.95	8.10	22.20	-41.05	-13.00	-28.05	H
3760.33	-28.29	7.00	12.93	-34.22	-13.00	-21.22	V
5640.32	-27.52	8.20	17.11	-36.43	-13.00	-23.43	V
7520.06	-25.29	8.10	22.20	-39.39	-13.00	-26.39	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3815.50	-29.29	7.00	12.93	-35.22	-13.00	-22.22	H
5722.48	-28.55	8.20	17.11	-37.46	-13.00	-24.46	H
7630.29	-23.77	8.10	22.20	-37.87	-13.00	-24.87	H
3815.49	-27.73	7.00	12.93	-33.66	-13.00	-20.66	V
5722.37	-28.52	8.20	17.11	-37.43	-13.00	-24.43	V
7630.31	-23.47	8.10	22.20	-37.57	-13.00	-24.57	V

WCDMA Band 4: (30-18000)MHz							
The Worst Test Results for Channel 1313/1712.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3425.18	-34.56	7.20	12.05	-39.41	-13.00	-26.41	H
5137.41	-34.08	7.90	16.27	-42.45	-13.00	-29.45	H
6850.01	-29.31	8.30	20.13	-41.14	-13.00	-28.14	H
3424.89	-31.12	7.20	12.05	-35.97	-13.00	-22.97	V
5137.43	-30.35	7.90	16.27	-38.72	-13.00	-25.72	V
6850.08	-32.93	8.30	20.13	-44.76	-13.00	-31.76	V
The Worst Test Results for Channel 1450/1740.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3479.92	-33.17	7.20	12.05	-38.02	-13.00	-25.02	H
5219.53	-32.51	7.90	16.27	-40.88	-13.00	-27.88	H
6959.83	-32.66	8.30	20.13	-44.49	-13.00	-31.49	H
3479.69	-35.47	7.20	12.05	-40.32	-13.00	-27.32	V
5219.72	-30.54	7.90	16.27	-38.91	-13.00	-25.91	V
6959.84	-33.06	8.30	20.13	-44.89	-13.00	-31.89	V
The Worst Test Results for Channel 1512/1752.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3504.76	-31.46	7.20	12.05	-36.31	-13.00	-23.31	H
5257.17	-34.09	7.90	16.27	-42.46	-13.00	-29.46	H
7009.55	-28.91	8.30	20.13	-40.74	-13.00	-27.74	H
3504.53	-34.73	7.20	12.05	-39.58	-13.00	-26.58	V
5256.89	-32.09	7.90	16.27	-40.46	-13.00	-27.46	V
7009.25	-28.70	8.30	20.13	-40.53	-13.00	-27.53	V

HSUPA Band 4: (30-18000)MHz							
The Worst Test Results for Channel 1313/1712.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3425.03	-34.85	7.20	12.05	-39.70	-13.00	-26.70	H
5137.36	-34.27	7.90	16.27	-42.64	-13.00	-29.64	H
6850.27	-31.72	8.30	20.13	-43.55	-13.00	-30.55	H
3425.05	-34.95	7.20	12.05	-39.80	-13.00	-26.80	V
5137.32	-34.89	7.90	16.27	-43.26	-13.00	-30.26	V
6850.01	-32.56	8.30	20.13	-44.39	-13.00	-31.39	V
The Worst Test Results for Channel 1450/1740.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3479.69	-33.11	7.20	12.05	-37.96	-13.00	-24.96	H
5219.74	-35.34	7.90	16.27	-43.71	-13.00	-30.71	H
6959.91	-29.52	8.30	20.13	-41.35	-13.00	-28.35	H
3479.67	-35.51	7.20	12.05	-40.36	-13.00	-27.36	V
5219.53	-30.95	7.90	16.27	-39.32	-13.00	-26.32	V
6959.61	-32.74	8.30	20.13	-44.57	-13.00	-31.57	V
The Worst Test Results for Channel 1512/1752.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3504.54	-31.05	7.20	12.05	-35.90	-13.00	-22.90	H
5256.91	-32.57	7.90	16.27	-40.94	-13.00	-27.94	H
7009.34	-33.35	8.30	20.13	-45.18	-13.00	-32.18	H
3504.48	-33.19	7.20	12.05	-38.04	-13.00	-25.04	V
5257.15	-34.64	7.90	16.27	-43.01	-13.00	-30.01	V
7009.58	-30.48	8.30	20.13	-42.31	-13.00	-29.31	V

HSDPA Band 4: (30-18000)MHz							
The Worst Test Results for Channel 1313/1712.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3425.15	-30.98	7.20	12.05	-35.83	-13.00	-22.83	H
5137.33	-31.54	7.90	16.27	-39.91	-13.00	-26.91	H
6850.05	-32.51	8.30	20.13	-44.34	-13.00	-31.34	H
3424.97	-31.20	7.20	12.05	-36.05	-13.00	-23.05	V
5137.51	-34.05	7.90	16.27	-42.42	-13.00	-29.42	V
6850.25	-31.82	8.30	20.13	-43.65	-13.00	-30.65	V
The Worst Test Results for Channel 1450/1740.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3479.97	-34.92	7.20	12.05	-39.77	-13.00	-26.77	H
5219.56	-31.51	7.90	16.27	-39.88	-13.00	-26.88	H
6959.77	-31.36	8.30	20.13	-43.19	-13.00	-30.19	H
3479.79	-34.03	7.20	12.05	-38.88	-13.00	-25.88	V
5219.63	-33.38	7.90	16.27	-41.75	-13.00	-28.75	V
6959.92	-30.38	8.30	20.13	-42.21	-13.00	-29.21	V
The Worst Test Results for Channel 1512/1752.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3504.51	-34.15	7.20	12.05	-39.00	-13.00	-26.00	H
5256.76	-33.52	7.90	16.27	-41.89	-13.00	-28.89	H
7009.46	-32.54	8.30	20.13	-44.37	-13.00	-31.37	H
3504.80	-32.19	7.20	12.05	-37.04	-13.00	-24.04	V
5256.74	-33.35	7.90	16.27	-41.72	-13.00	-28.72	V
7009.34	-28.52	8.30	20.13	-40.35	-13.00	-27.35	V

WCDMA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1652.16	-31.68	7.40	4.75	-29.03	-13.00	-16.03	H
2479.71	-34.27	8.30	8.39	-34.36	-13.00	-21.36	H
3305.51	-24.86	7.20	11.79	-29.45	-13.00	-16.45	H
1652.03	-37.43	7.40	4.75	-34.78	-13.00	-21.78	V
2479.40	-34.85	8.30	8.39	-34.94	-13.00	-21.94	V
3305.50	-31.17	7.20	11.79	-35.76	-13.00	-22.76	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1672.85	-35.06	7.40	4.75	-32.41	-13.00	-19.41	H
2509.78	-30.00	8.30	8.39	-30.09	-13.00	-17.09	H
3346.39	-23.31	7.20	11.79	-27.90	-13.00	-14.90	H
1673.17	-35.55	7.40	4.75	-32.90	-13.00	-19.90	V
2509.82	-35.11	8.30	8.39	-35.20	-13.00	-22.20	V
3346.18	-29.77	7.20	11.79	-34.36	-13.00	-21.36	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1693.35	-34.60	7.40	4.75	-31.95	-13.00	-18.95	H
2539.34	-33.57	8.30	8.39	-33.66	-13.00	-20.66	H
3386.05	-26.73	7.20	11.79	-31.32	-13.00	-18.32	H
1693.39	-34.24	7.40	4.75	-31.59	-13.00	-18.59	V
2539.42	-31.52	8.30	8.39	-31.61	-13.00	-18.61	V
3386.21	-32.43	7.20	11.79	-37.02	-13.00	-24.02	V

HSUPA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1652.14	-32.15	7.40	4.75	-29.50	-13.00	-16.50	H
2479.68	-32.25	8.30	8.39	-32.34	-13.00	-19.34	H
3305.49	-24.98	7.20	11.79	-29.57	-13.00	-16.57	H
1652.13	-33.97	7.40	4.75	-31.32	-13.00	-18.32	V
2479.63	-35.50	8.30	8.39	-35.59	-13.00	-22.59	V
3305.77	-32.69	7.20	11.79	-37.28	-13.00	-24.28	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1673.19	-34.93	7.40	4.75	-32.28	-13.00	-19.28	H
2509.72	-33.40	8.30	8.39	-33.49	-13.00	-20.49	H
3346.40	-25.12	7.20	11.79	-29.71	-13.00	-16.71	H
1673.03	-36.96	7.40	4.75	-34.31	-13.00	-21.31	V
2509.56	-35.30	8.30	8.39	-35.39	-13.00	-22.39	V
3346.13	-30.37	7.20	11.79	-34.96	-13.00	-21.96	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1693.61	-32.99	7.40	4.75	-30.34	-13.00	-17.34	H
2539.48	-31.21	8.30	8.39	-31.30	-13.00	-18.30	H
3385.97	-26.24	7.20	11.79	-30.83	-13.00	-17.83	H
1693.63	-33.58	7.40	4.75	-30.93	-13.00	-17.93	V
2539.32	-35.45	8.30	8.39	-35.54	-13.00	-22.54	V
3385.98	-33.75	7.20	11.79	-38.34	-13.00	-25.34	V

HSDPA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1652.39	-33.67	7.40	4.75	-31.02	-13.00	-18.02	H
2479.30	-34.03	8.30	8.39	-34.12	-13.00	-21.12	H
3305.66	-25.95	7.20	11.79	-30.54	-13.00	-17.54	H
1652.13	-36.10	7.40	4.75	-33.45	-13.00	-20.45	V
2479.29	-31.51	8.30	8.39	-31.60	-13.00	-18.60	V
3305.69	-33.36	7.20	11.79	-37.95	-13.00	-24.95	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1672.98	-32.09	7.40	4.75	-29.44	-13.00	-16.44	H
2509.82	-34.14	8.30	8.39	-34.23	-13.00	-21.23	H
3346.37	-27.02	7.20	11.79	-31.61	-13.00	-18.61	H
1672.89	-35.40	7.40	4.75	-32.75	-13.00	-19.75	V
2509.66	-33.00	8.30	8.39	-33.09	-13.00	-20.09	V
3346.13	-32.72	7.20	11.79	-37.31	-13.00	-24.31	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1693.21	-32.51	7.40	4.75	-29.86	-13.00	-16.86	H
2539.22	-33.73	8.30	8.39	-33.82	-13.00	-20.82	H
3385.99	-25.82	7.20	11.79	-30.41	-13.00	-17.41	H
1693.26	-37.05	7.40	4.75	-34.40	-13.00	-21.40	V
2539.15	-34.43	8.30	8.39	-34.52	-13.00	-21.52	V
3386.10	-30.80	7.20	11.79	-35.39	-13.00	-22.39	V

CDMA

Conducted output power

CDMA BC0							
Mode	Frequency (MHz)	Conduction AVG Power(dBm)	Ant Gain (dBi)	ERP (dBm)	ERP Limit (W)	ERP Limit (dBm)	Conclusion
CDMA BC0	824.70	22.70	-1.60	18.95	7.00	38.45	PASS
	836.52	22.43	-1.60	18.68	7.00	38.45	PASS
	848.31	22.54	-1.60	18.79	7.00	38.45	PASS
EVDO BC0	824.70	21.90	-1.60	18.15	7.00	38.45	PASS
	836.52	21.95	-1.60	18.20	7.00	38.45	PASS
	848.31	21.77	-1.60	18.02	7.00	38.45	PASS

CDMA BC1							
Mode	Frequency (MHz)	Conduction AVG Power(dBm)	Ant Gain (dBi)	EIRP (dBm)	EIRP Limit(W)	EIRP Limit(dBm)	Conclusion
CDMA BC1	1851.25	21.12	0.60	21.72	2.00	33.01	PASS
	1880.00	20.58	0.60	21.18	2.00	33.01	PASS
	1908.75	20.23	0.60	20.83	2.00	33.01	PASS
EVDO BC1	1851.25	20.35	0.60	20.95	2.00	33.01	PASS
	1880.00	20.15	0.60	20.75	2.00	33.01	PASS
	1908.75	20.05	0.60	20.65	2.00	33.01	PASS

Frequency stability

CDMA BC0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	11.78	0.014	2.5ppm	PASS
40		28.61	0.034		
30		20.08	0.024		
20		18.24	0.022		
10		24.82	0.030		
0		27.67	0.033		
-10		27.75	0.033		
-20		15.48	0.019		
-30		32.25	0.039		
20	Maximum Voltage	27.56	0.033		
20	BEP	25.77	0.031		

CDMA BC1					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	29.58	0.016	Within Authorized Band	PASS
40		14.20	0.008		
30		13.93	0.007		
20		27.59	0.015		
10		22.01	0.012		
0		27.67	0.015		
-10		30.59	0.016		
-20		14.85	0.008		
-30		30.69	0.016		
20	Maximum Voltage	12.76	0.007		
20	BEP	33.80	0.018		

EVDO BC0					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	36.28	0.043	2.5ppm	PASS
40		36.46	0.044		
30		23.82	0.028		
20		20.78	0.025		
10		24.38	0.029		
0		20.40	0.024		
-10		27.41	0.033		
-20		35.96	0.043		
-30		27.63	0.033		
20	Maximum Voltage	13.49	0.016	2.5ppm	PASS
20	BEP	18.93	0.023		

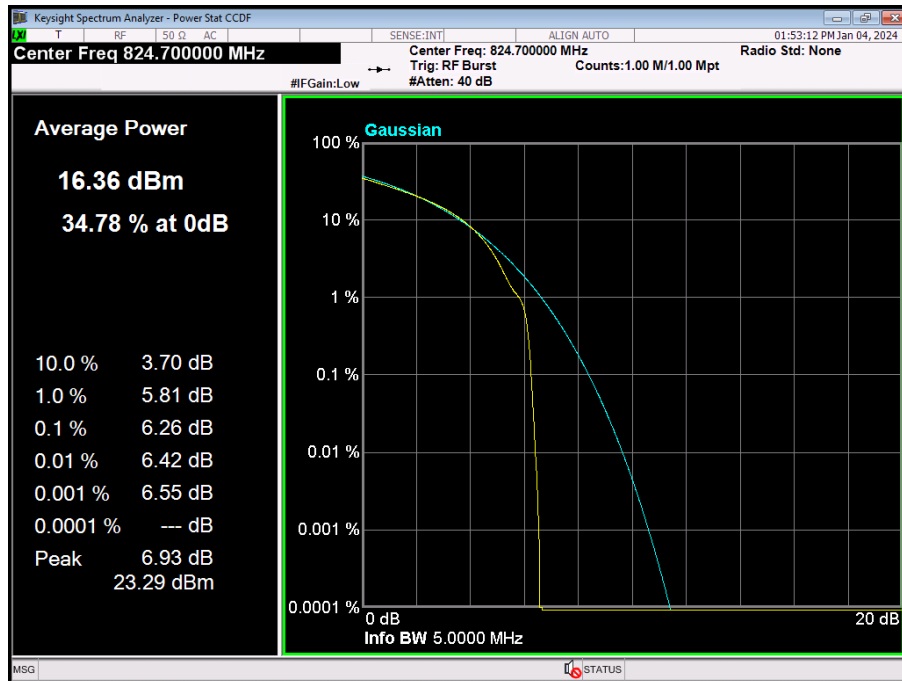
EVDO BC1					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	29.97	0.016	Within Authorized Band	PASS
40		29.17	0.016		
30		15.90	0.008		
20		15.43	0.008		
10		11.70	0.006		
0		16.07	0.009		
-10		17.18	0.009		
-20		30.52	0.016		
-30		29.96	0.016		
20	Maximum Voltage	16.91	0.009	Within Authorized Band	PASS
20	BEP	11.98	0.006		

Peak-to-Average Ratio

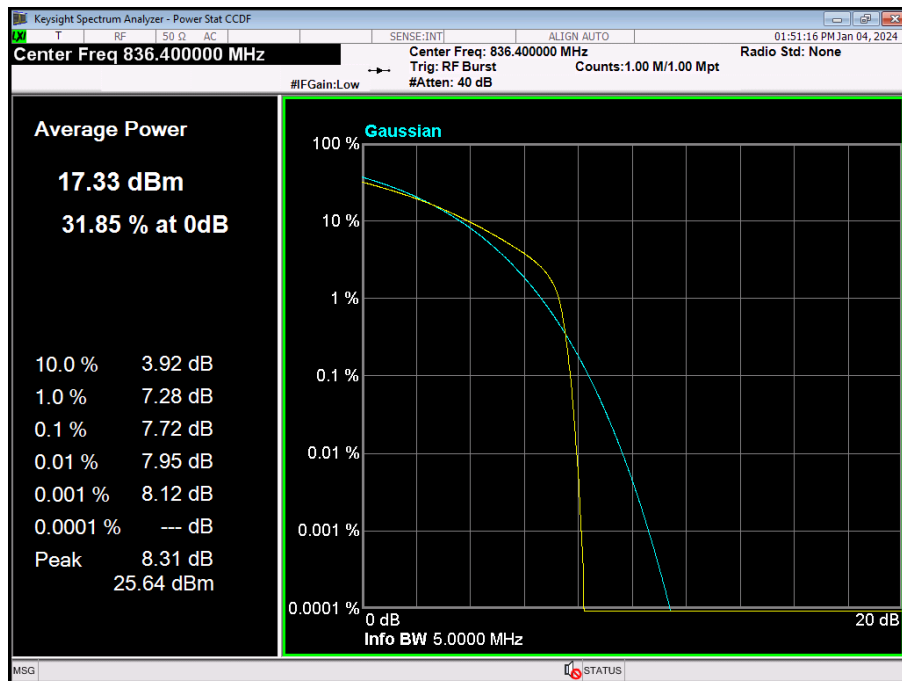
CDMA BC0		
Mode	Frequency (MHz)	PAR
CDMA BC0	824.70	6.26
	836.52	7.72
	848.31	7.58
EVDO BC0	824.70	6.44
	836.52	8.40
	848.31	7.54

CDMA BC1		
Mode	Frequency (MHz)	PAR
CDMA BC1	1851.25	7.08
	1880.00	7.35
	1908.75	8.01
EVDO BC1	1851.25	7.90
	1880.00	7.58
	1908.75	5.26

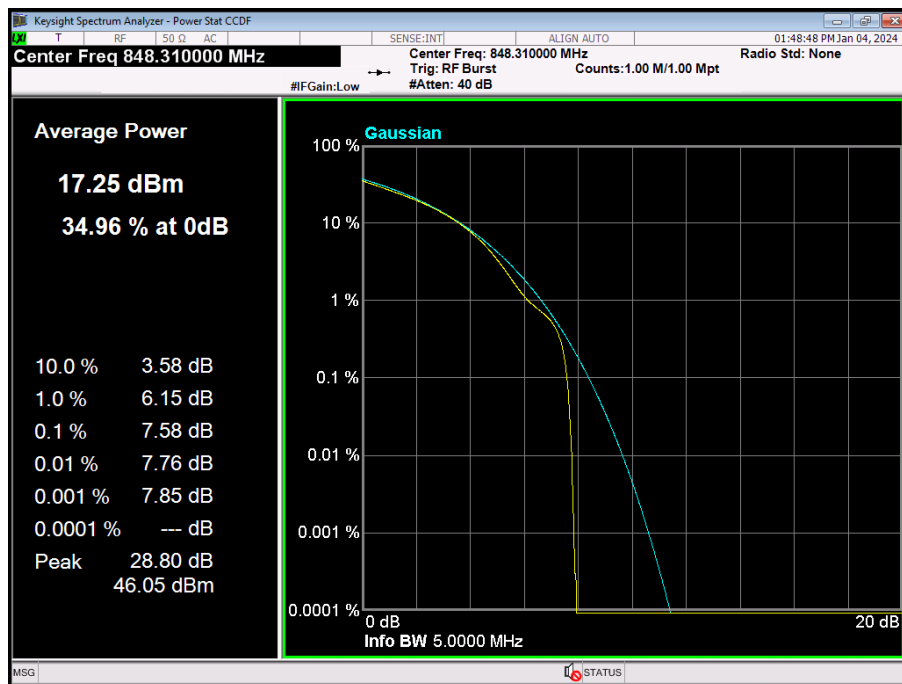
CDMA BC0 824.7MHz



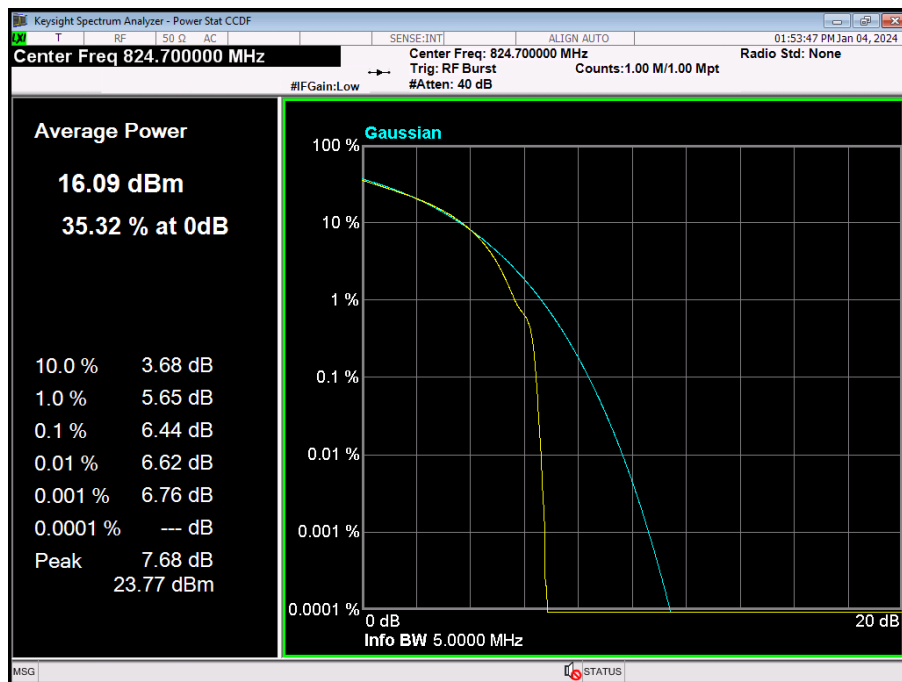
CDMA BC0 836.5MHz



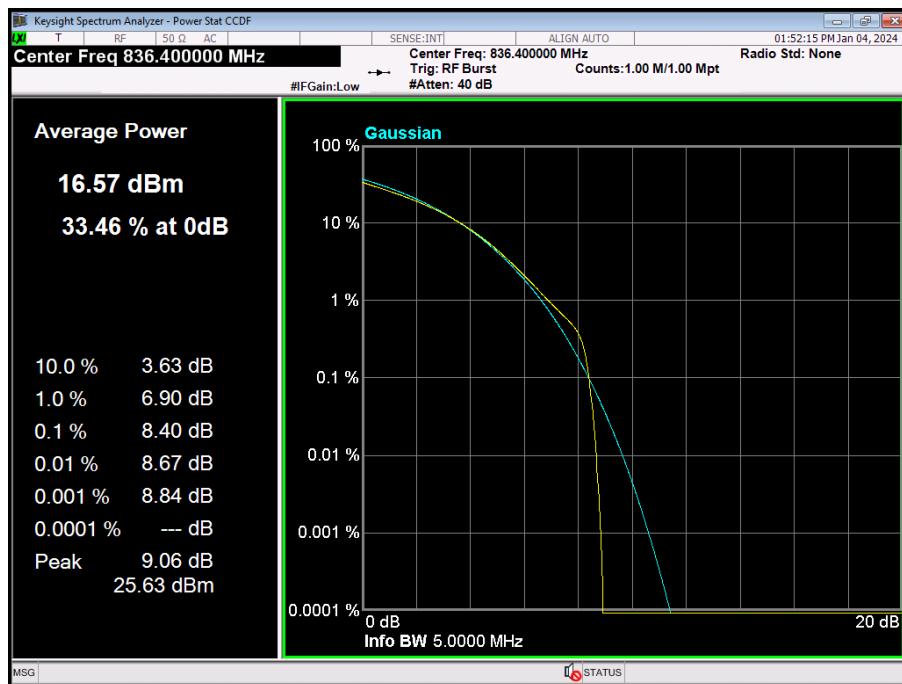
CDMA BC0 848.3MHz



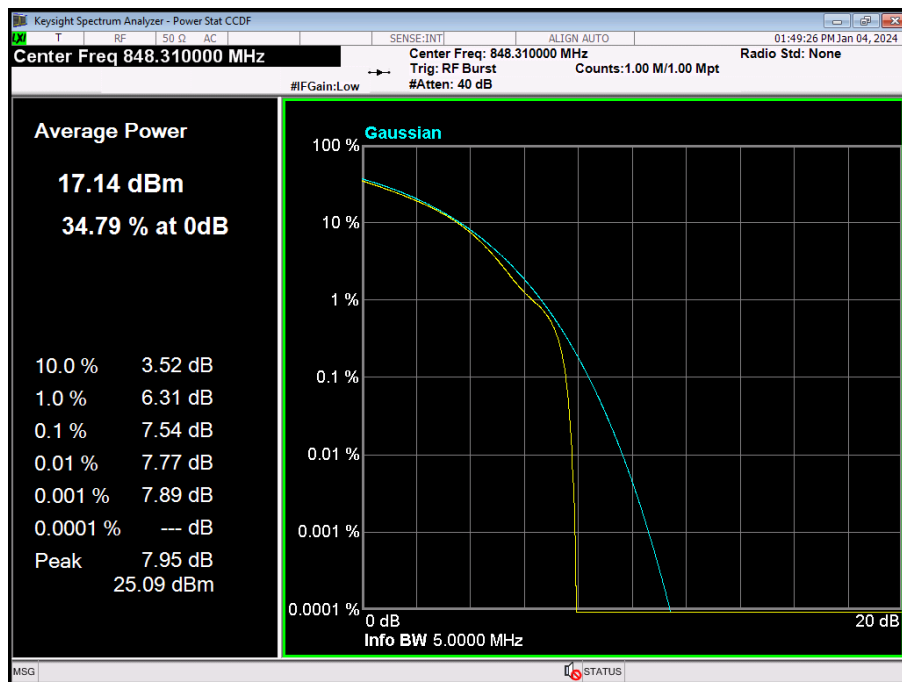
EVDO BC0 824.7MHz



EVDO BC0 836.5MHz



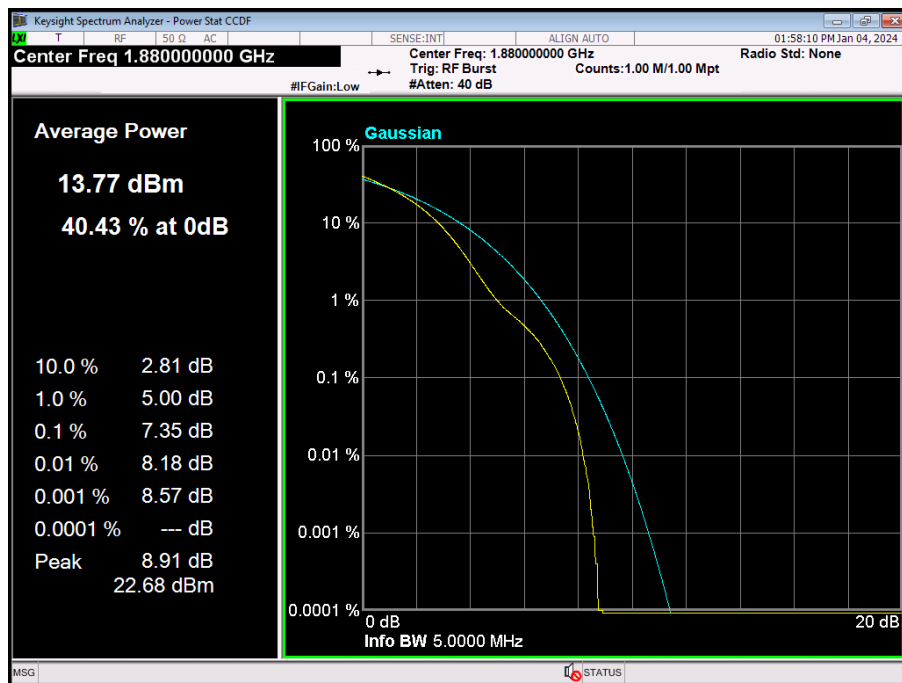
EVDO BC0 824.7MHz



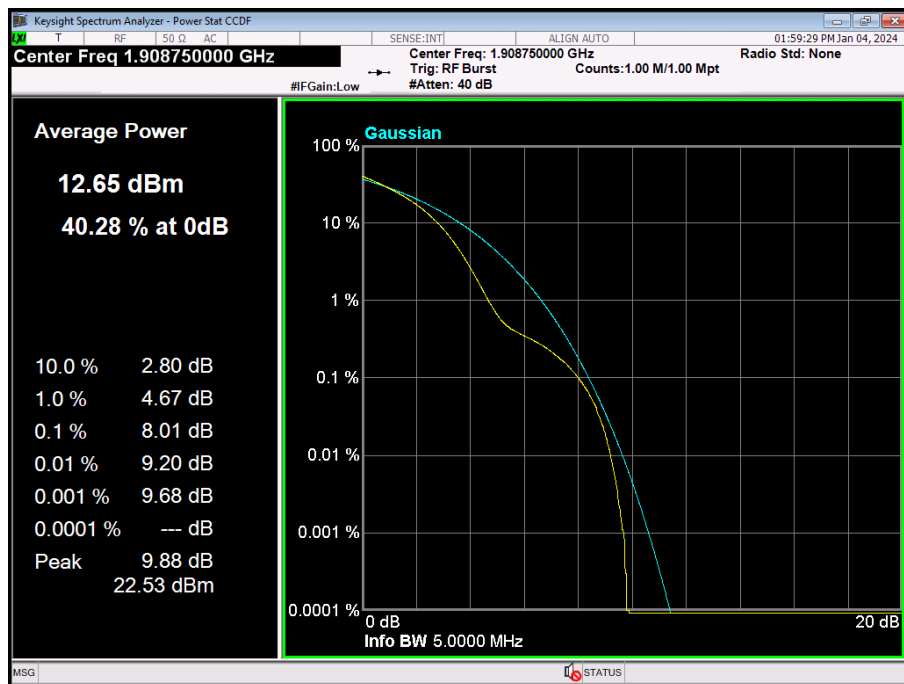
CDMA BC1 1851.25MHz



CDMA BC1 1880MHz



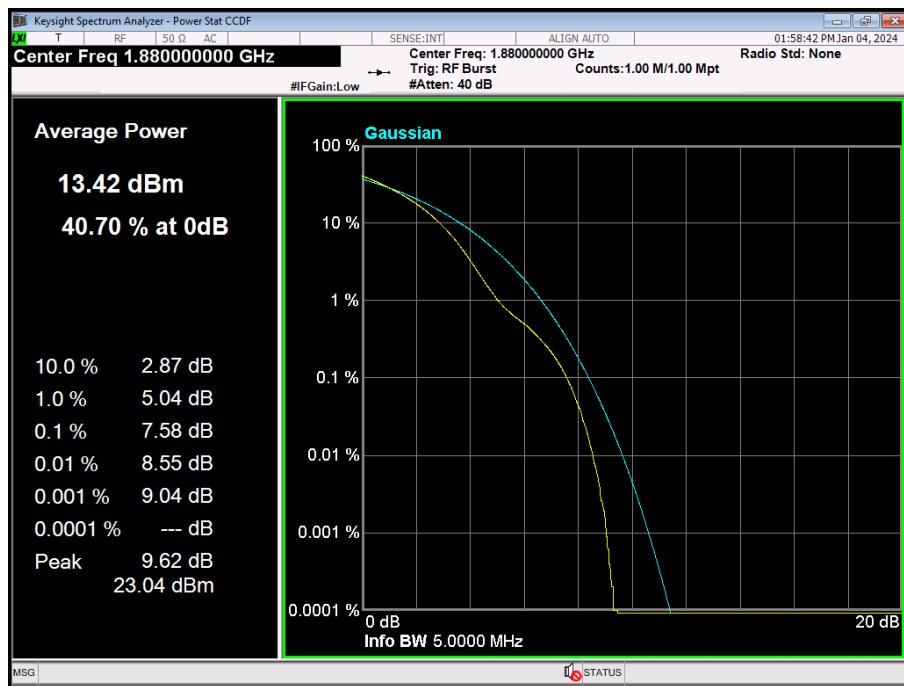
CDMA BC1 1908.75MHz



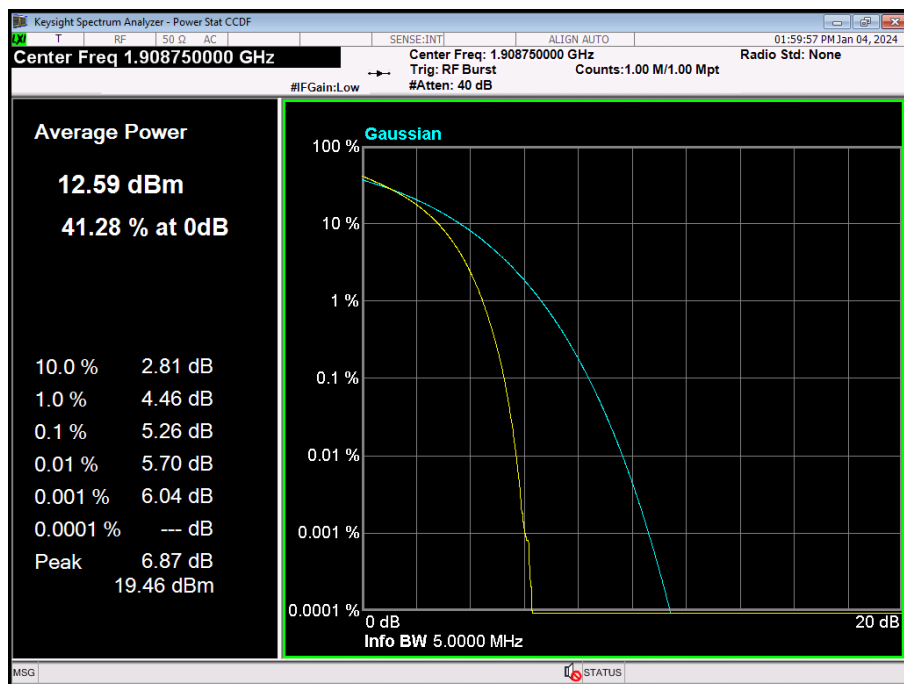
EVDO BC1 1851.25MHz



EVDO BC1 1880MHz



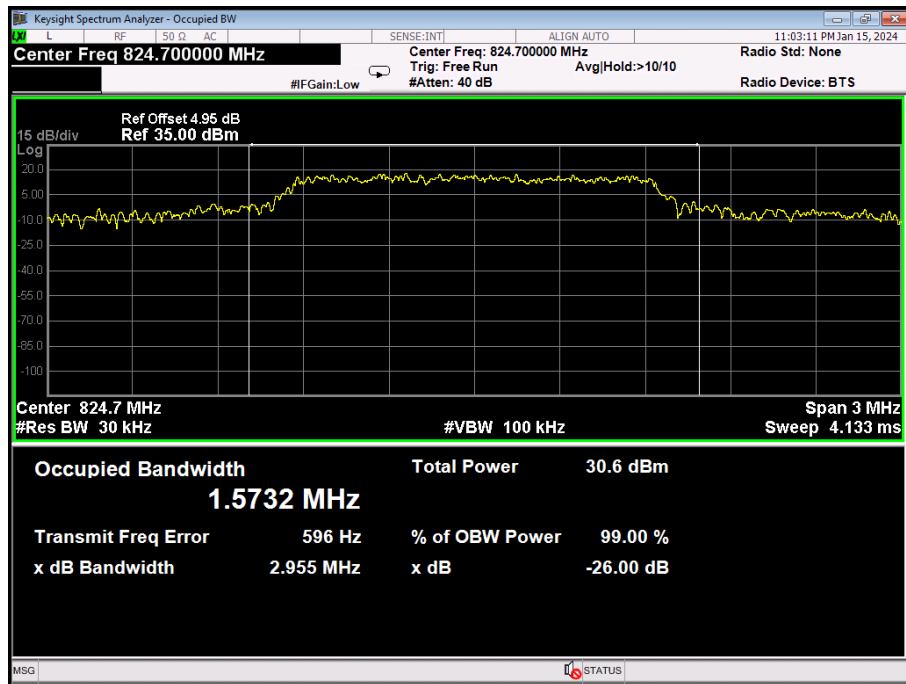
EVDO BC1 1908.75MHz



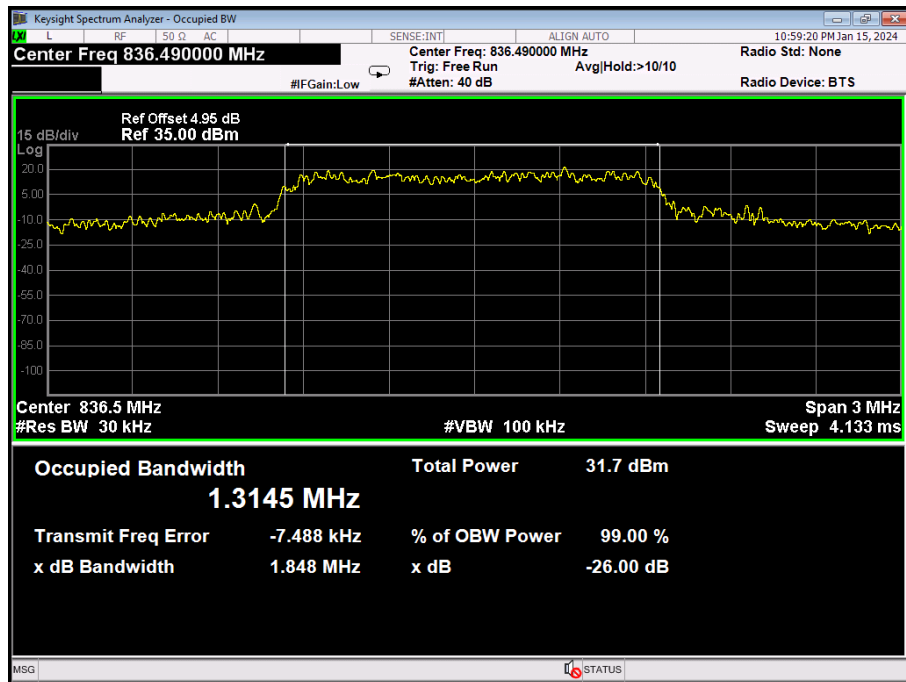
Occupied Bandwidth (99% Occupied Bandwidth/26dB Bandwidth)

CDMA Bandwidth [MHz]						
Mode	Lowest		Middle		Highest	
	99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
CDMA BC0	1.5732	2.955	1.3145	1.848	1.283	1.555
EVDO BC0	1.3398	2.616	1.3352	2.586	1.2868	1.972
CDMA BC1	1.2741	1.43	1.2712	1.417	1.281	1.417
EVDO BC1	1.2731	1.428	1.2709	1.422	1.2736	1.394

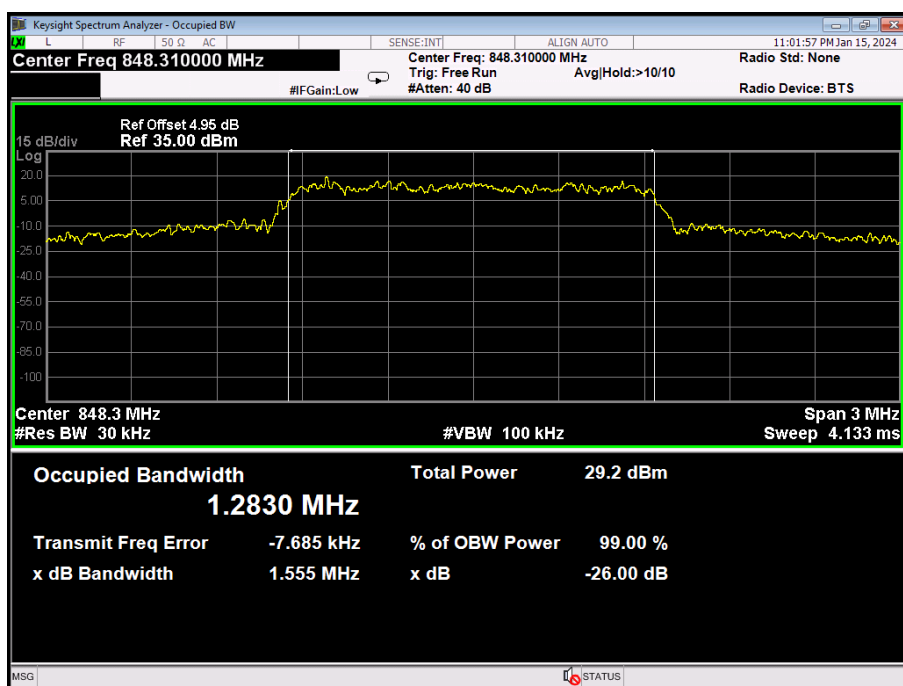
BC0_CDMA_Lower



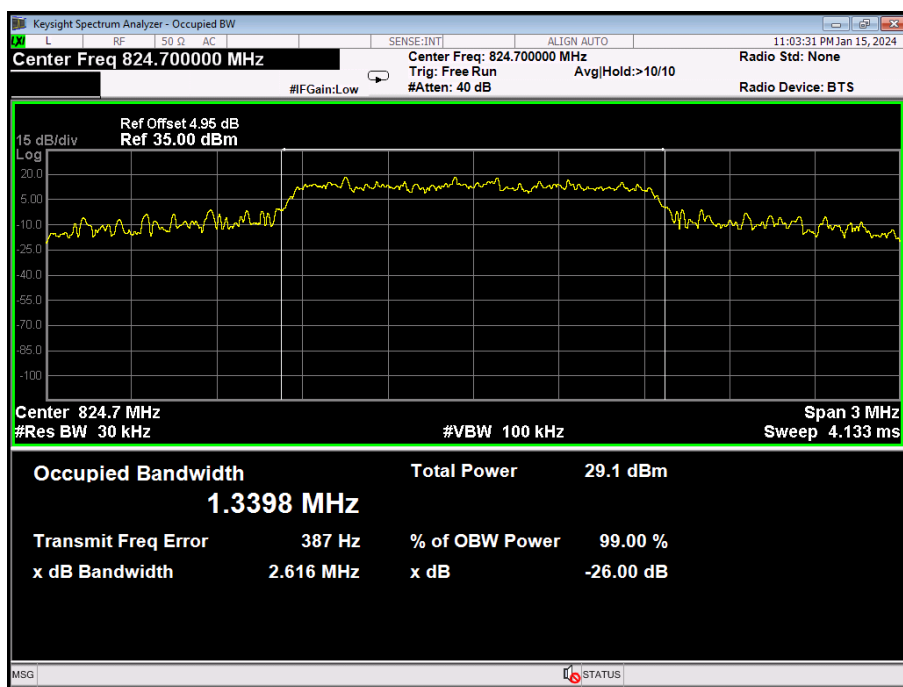
BC0_CDMA_Middle



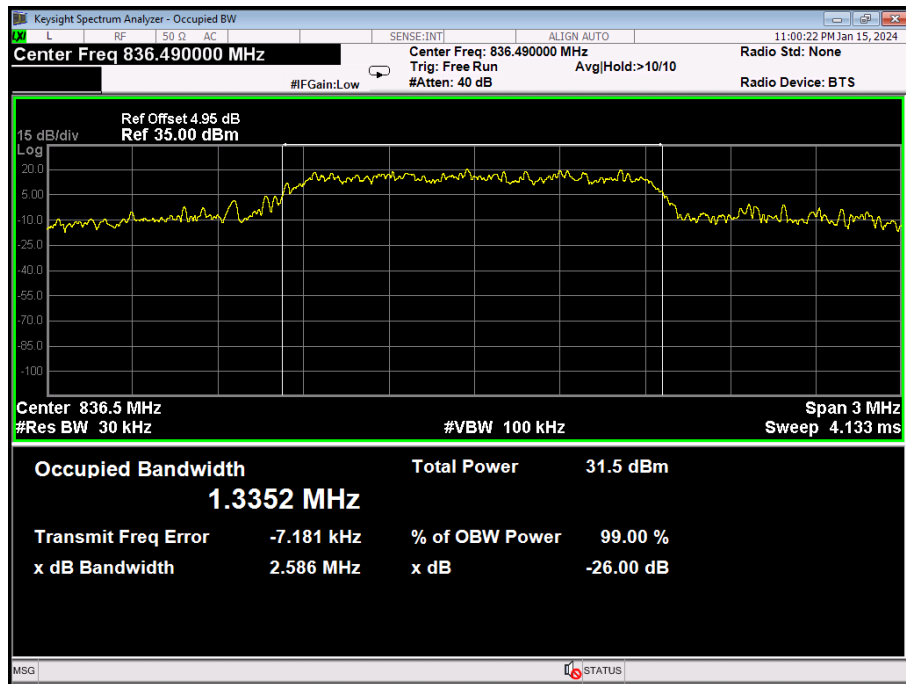
BC0_CDMA_Higher



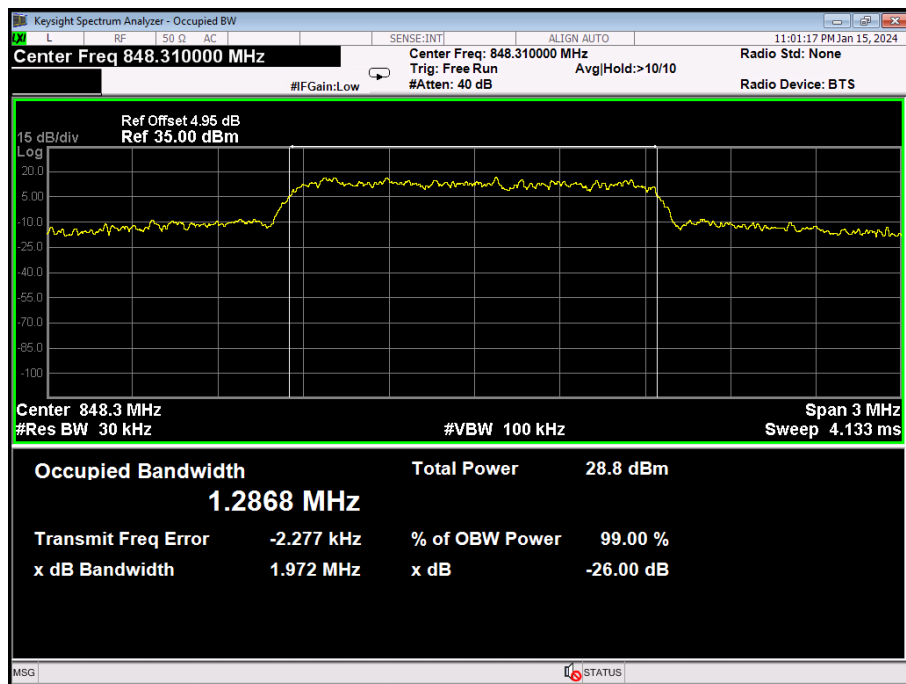
BC0_EVDO_Lower



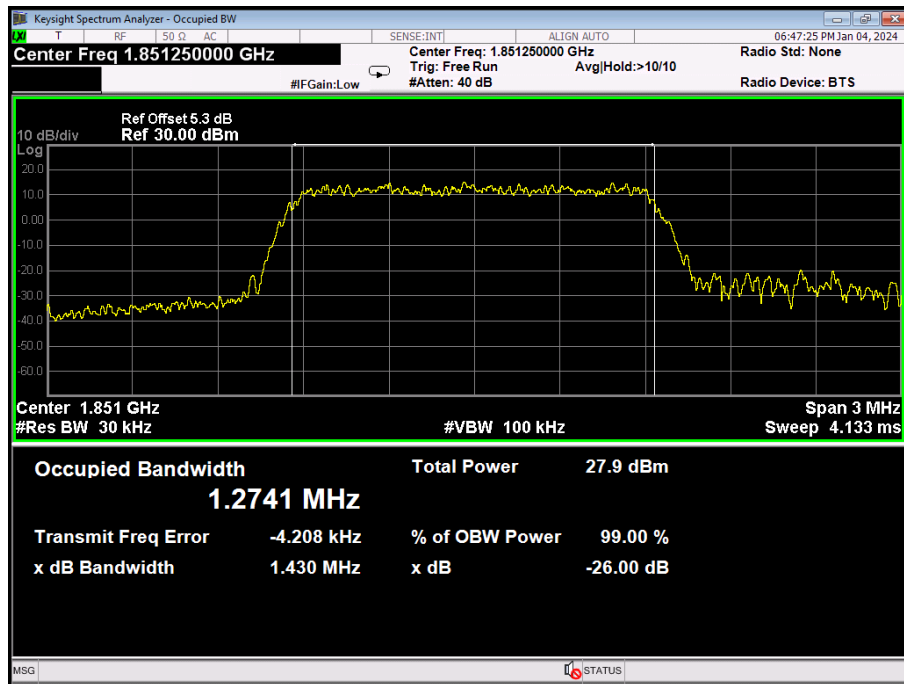
BC0_EVDO_Middle



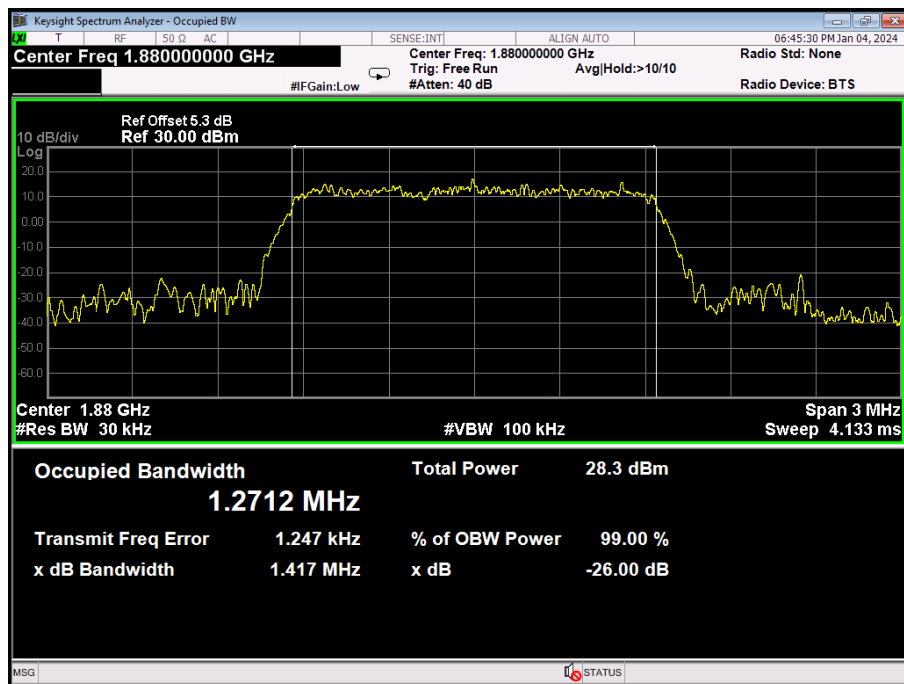
BC0_EVDO_Higher



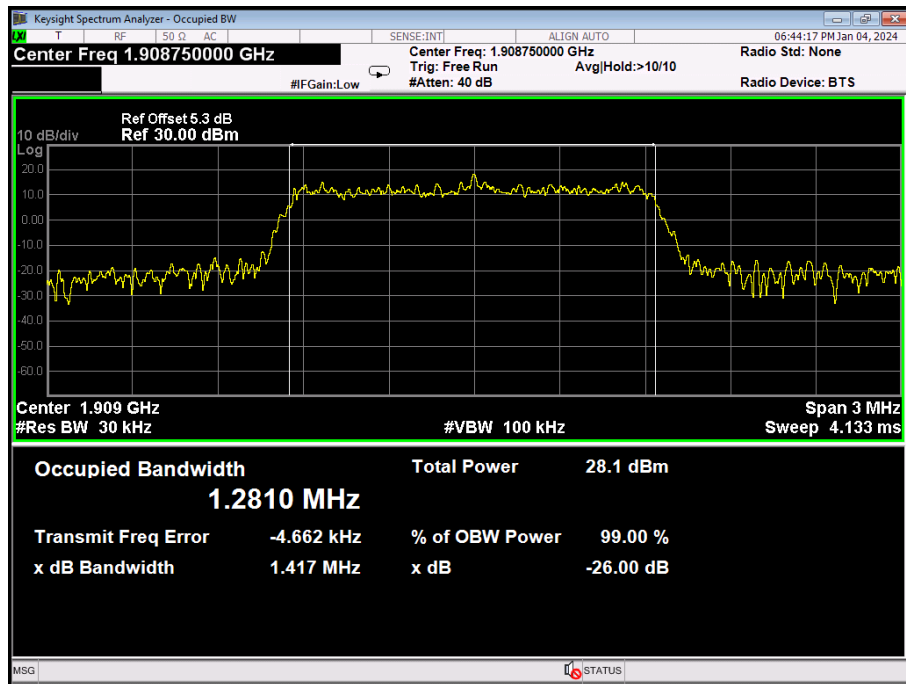
BC1_CDMA_Lower



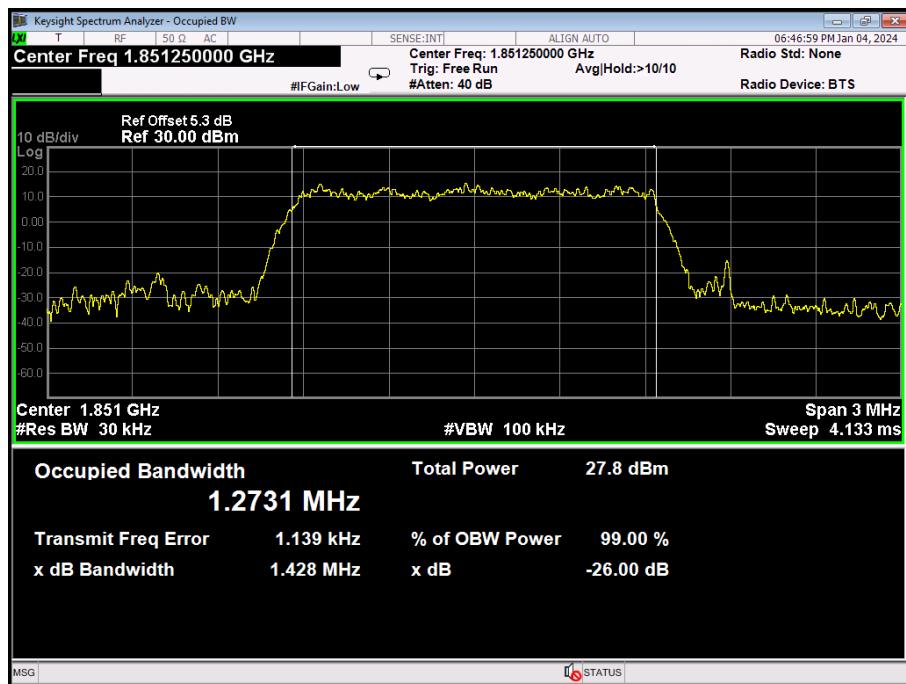
BC1_CDMA_Middle



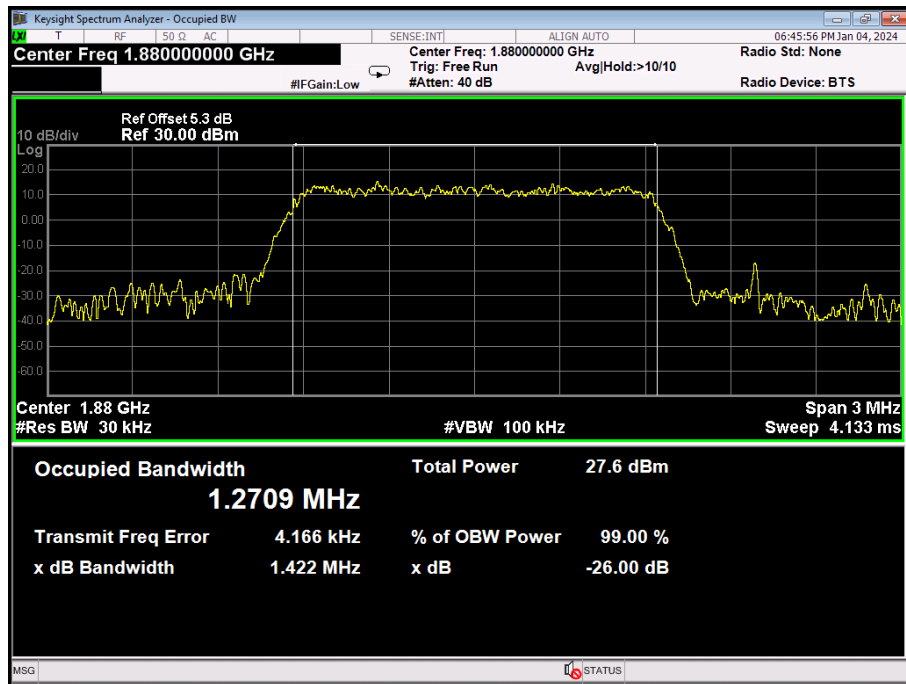
BC1_CDMA_Higher



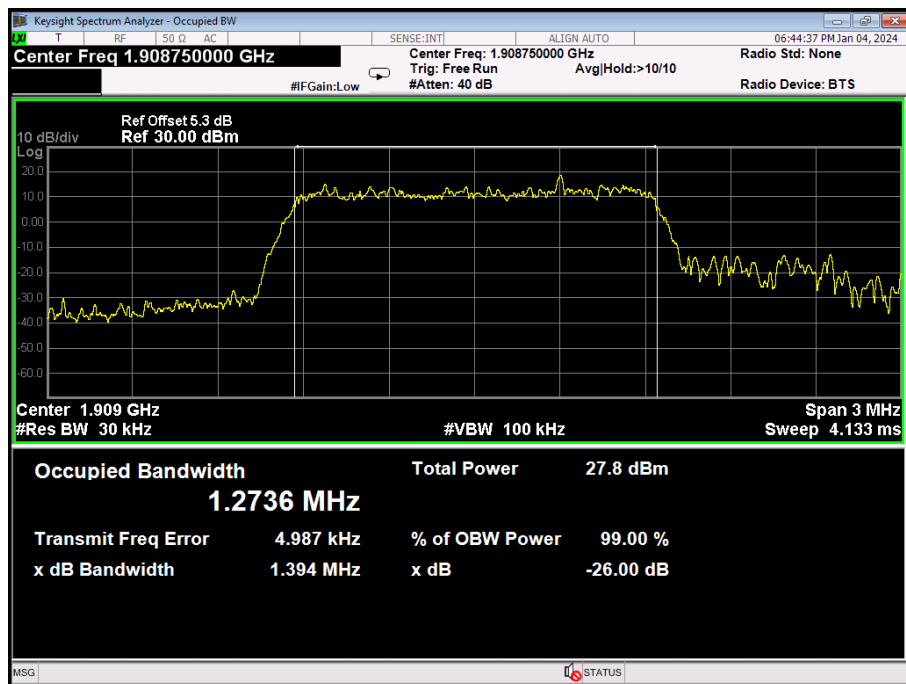
BC1_EVDO_Lower



BC1_EVDO_Middle

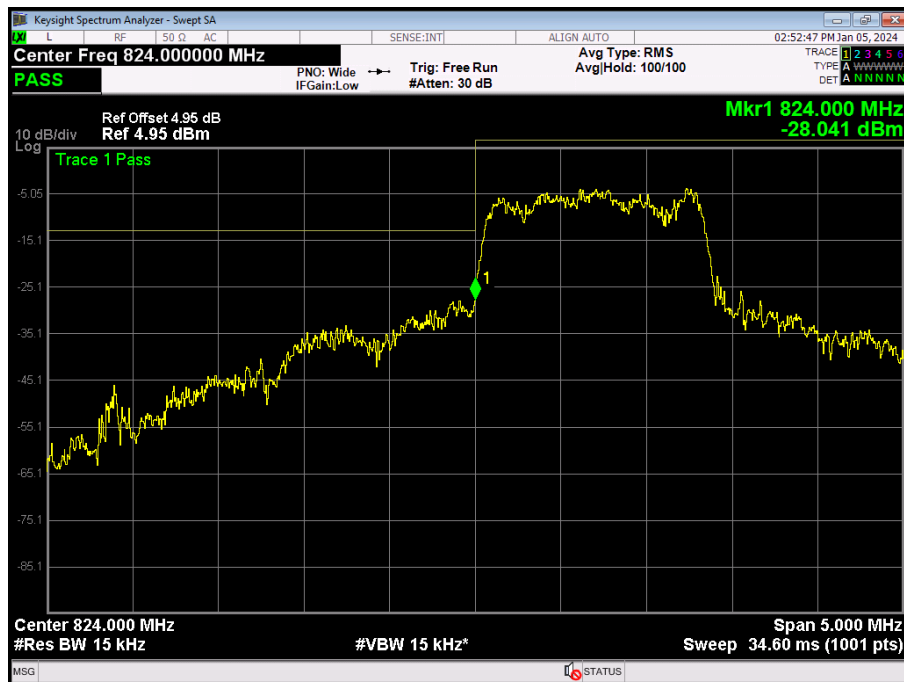
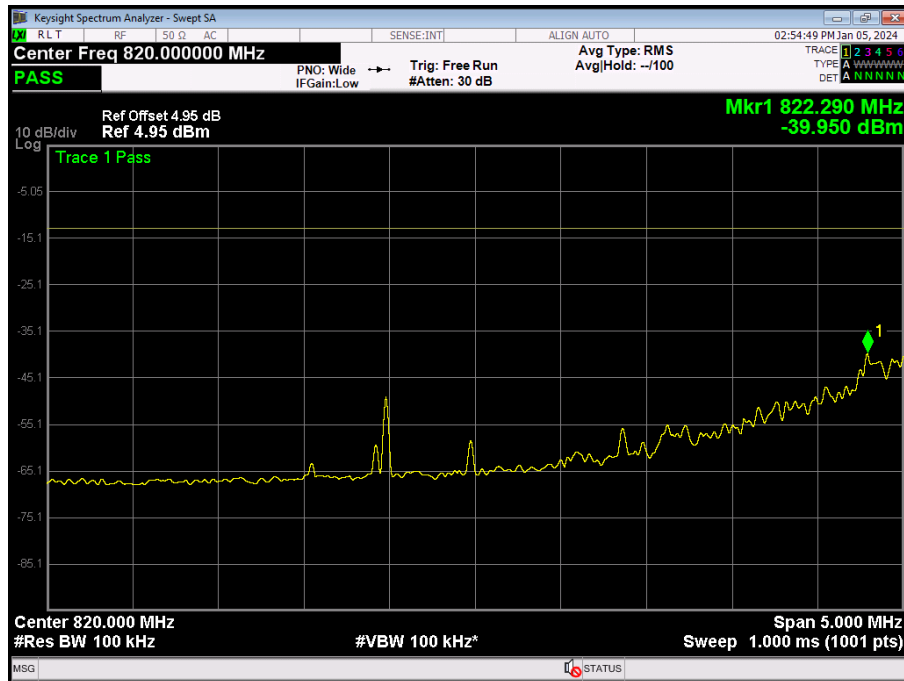


BC1_EVDO_Higher

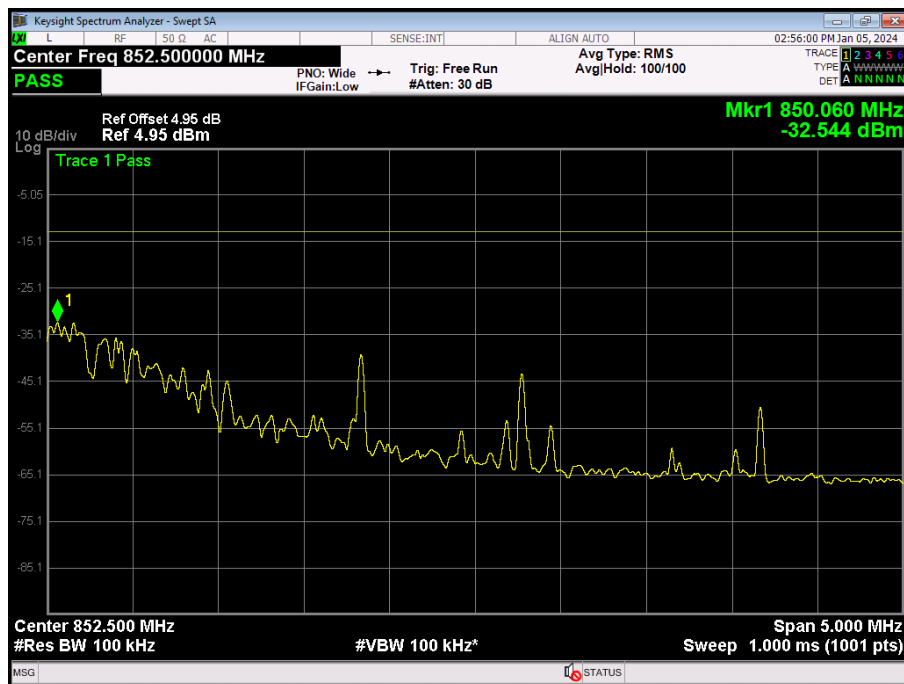


Band edge

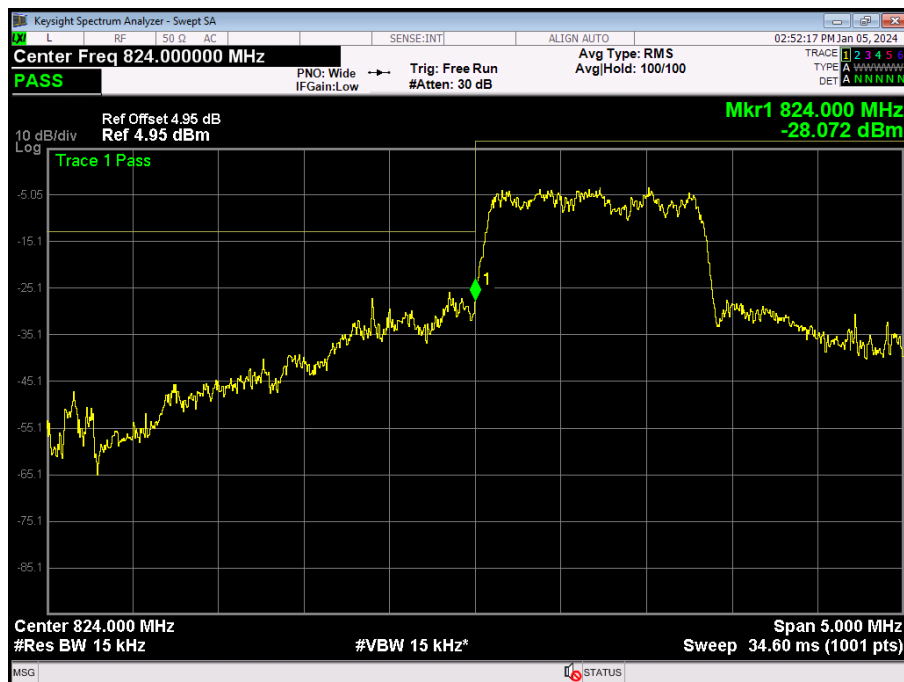
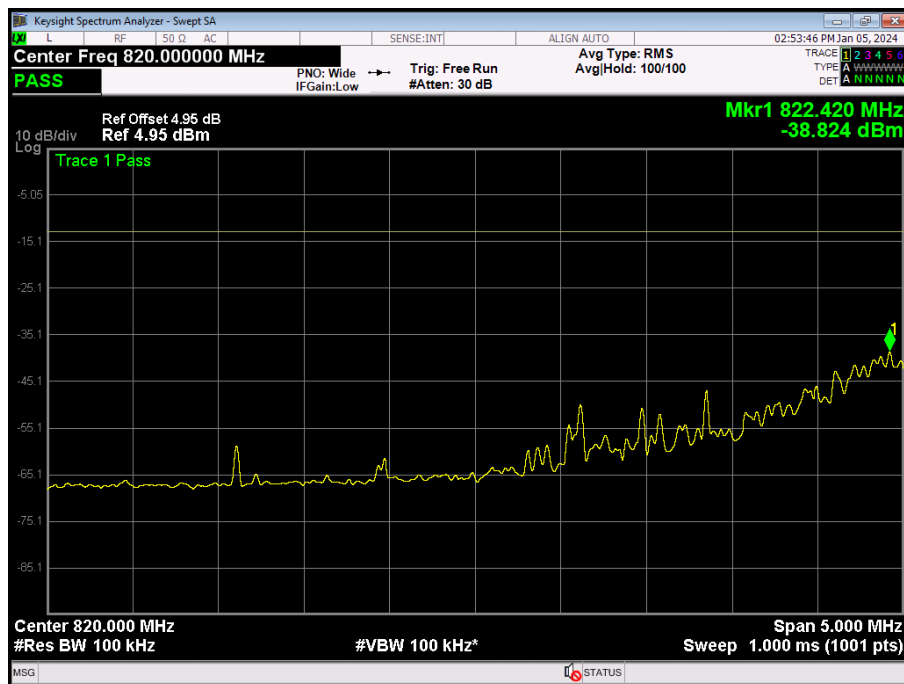
CDMA_BC0_Low_Band edge



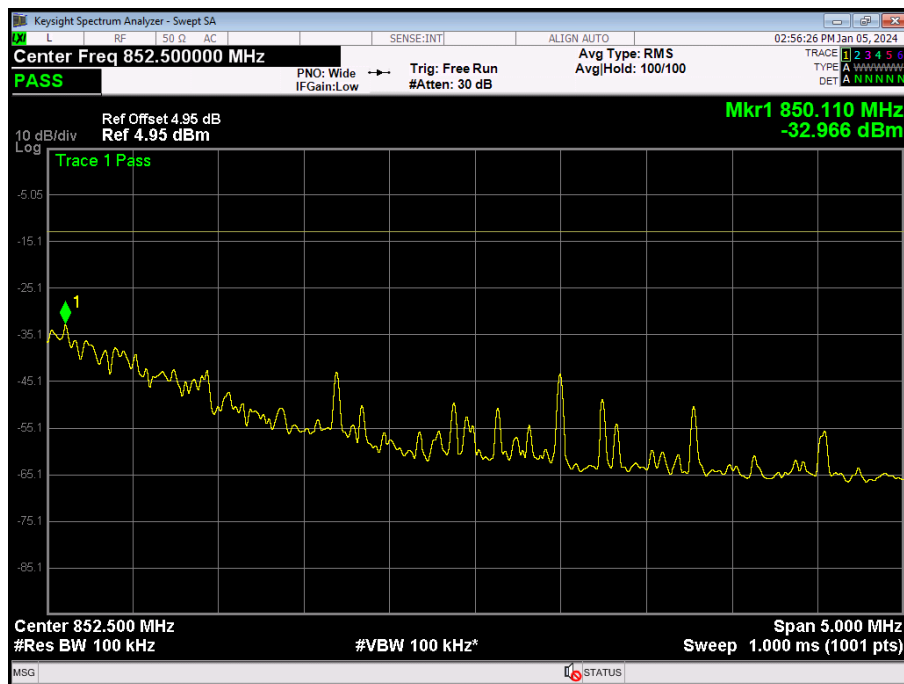
CDMA_BC0_High_Band edge



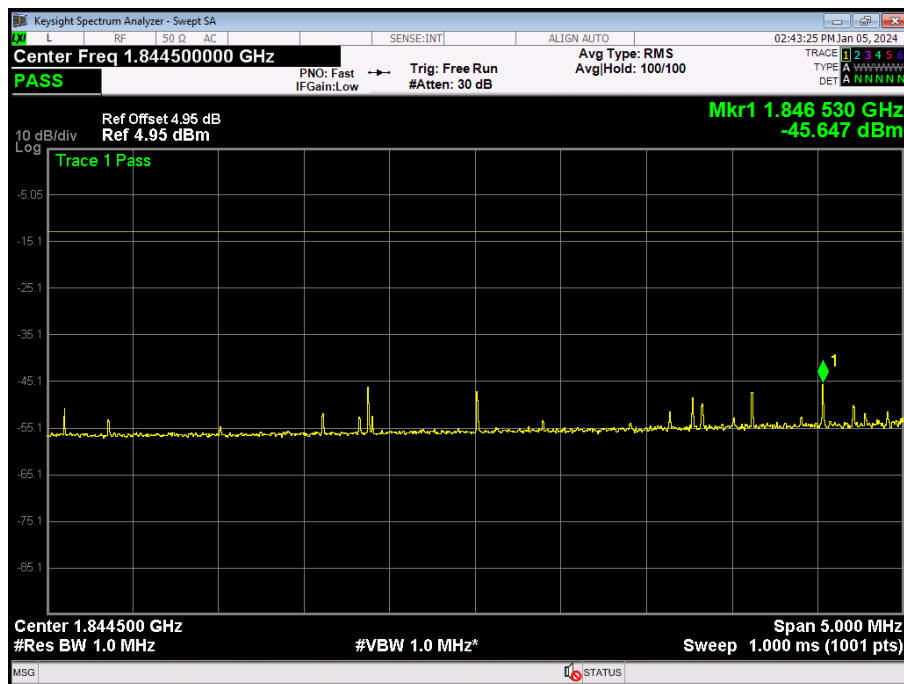
EVDO_BC0_Low_Band edge



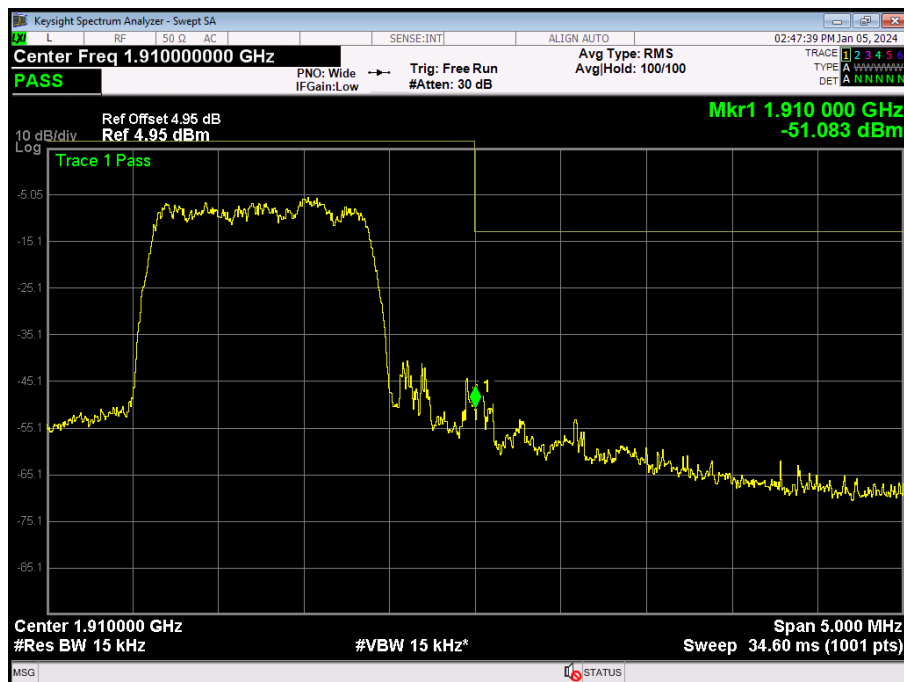
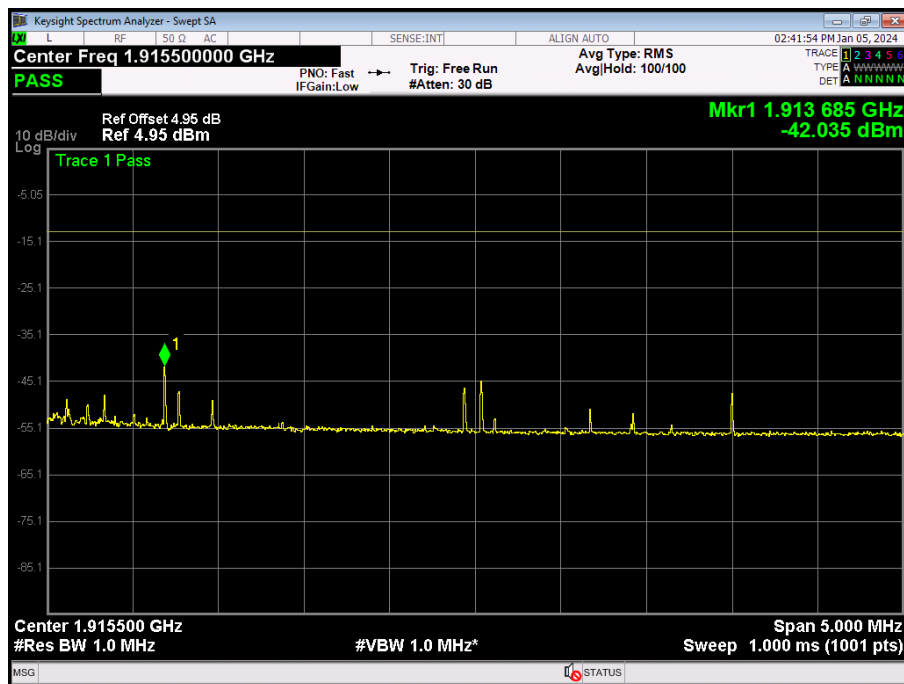
EVDO_BC0_High_Band edge



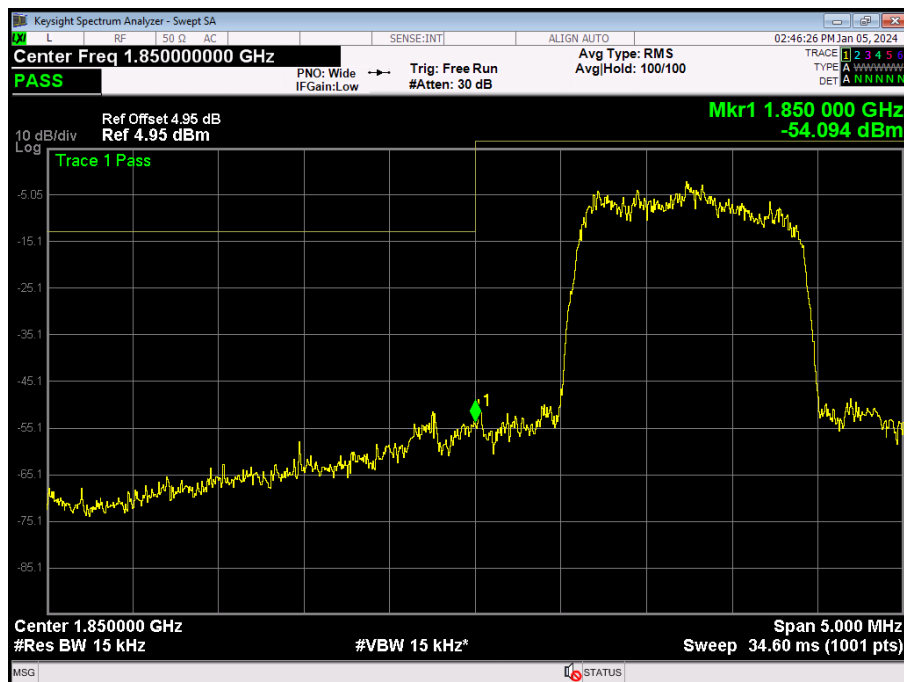
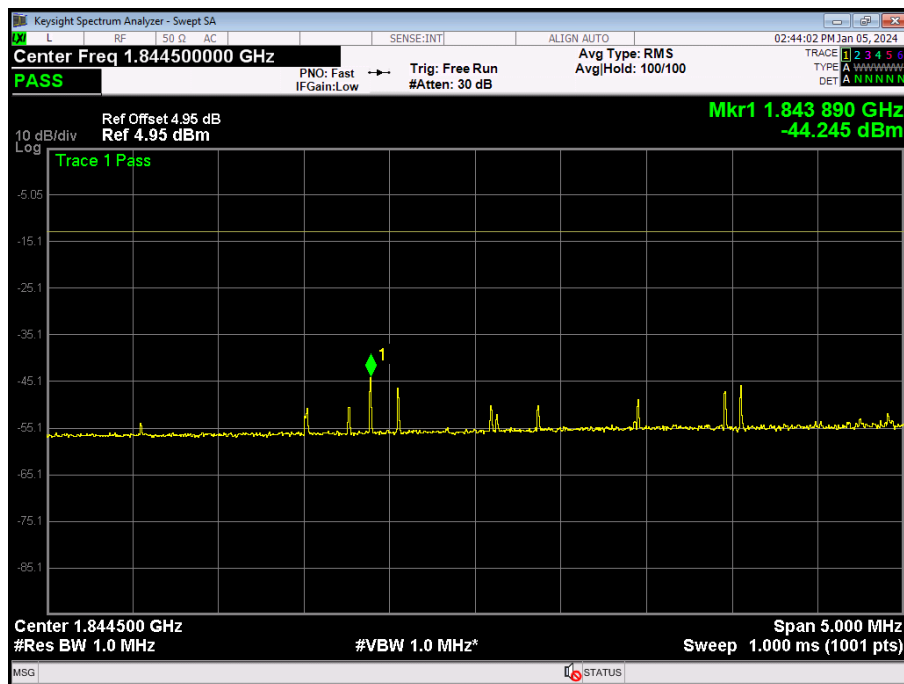
CDMA_BC1_Low_Band edge



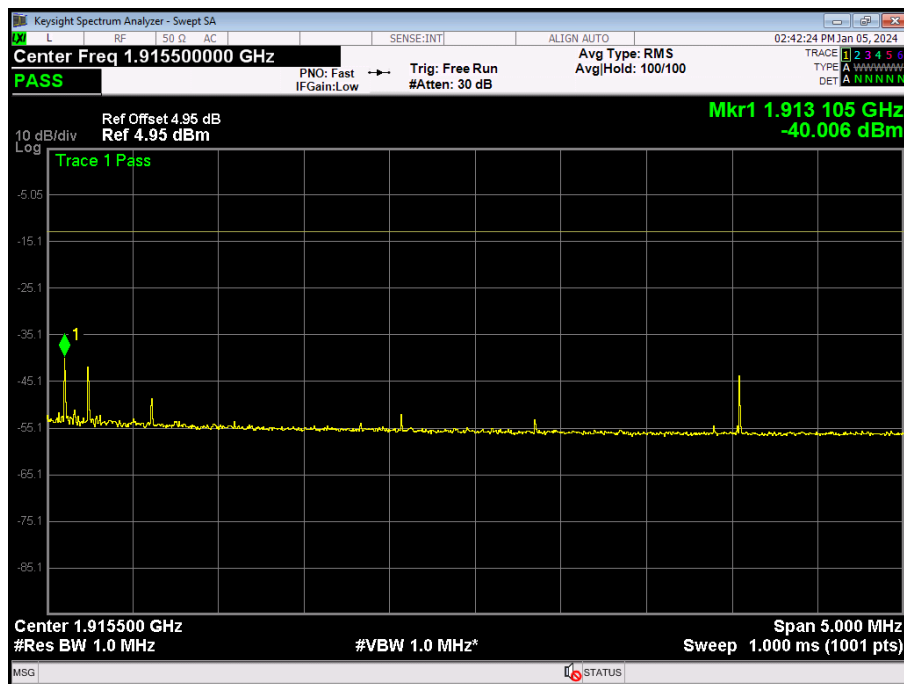
CDMA_BC1_High_Band edge



EVDO_BC1_Low_Band edge

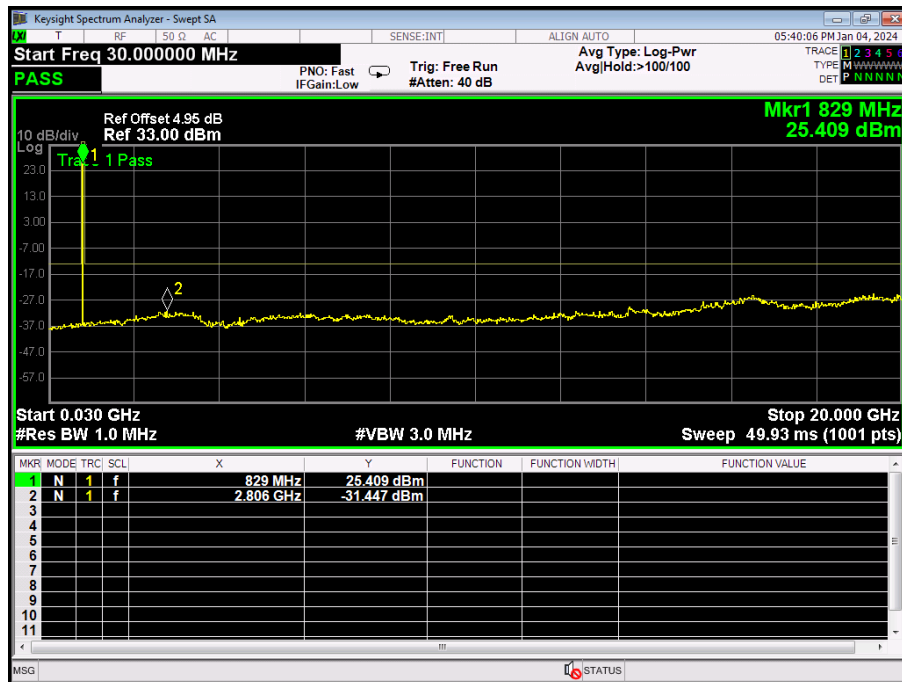


EVDO_BC1_High_Band edge

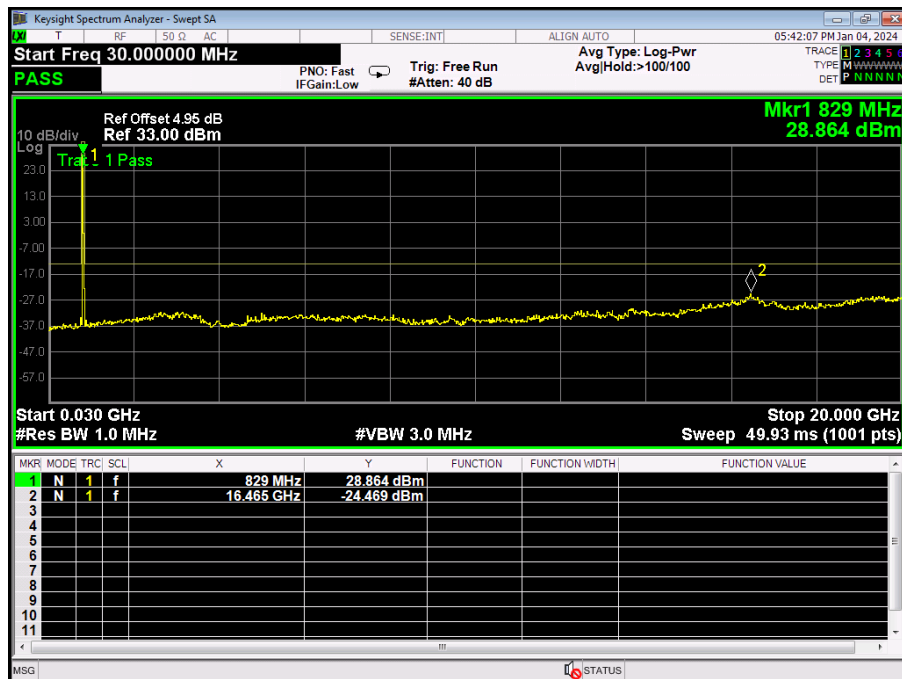


SPURIOUS EMISSIONS AT ANTENNA TERMINALS

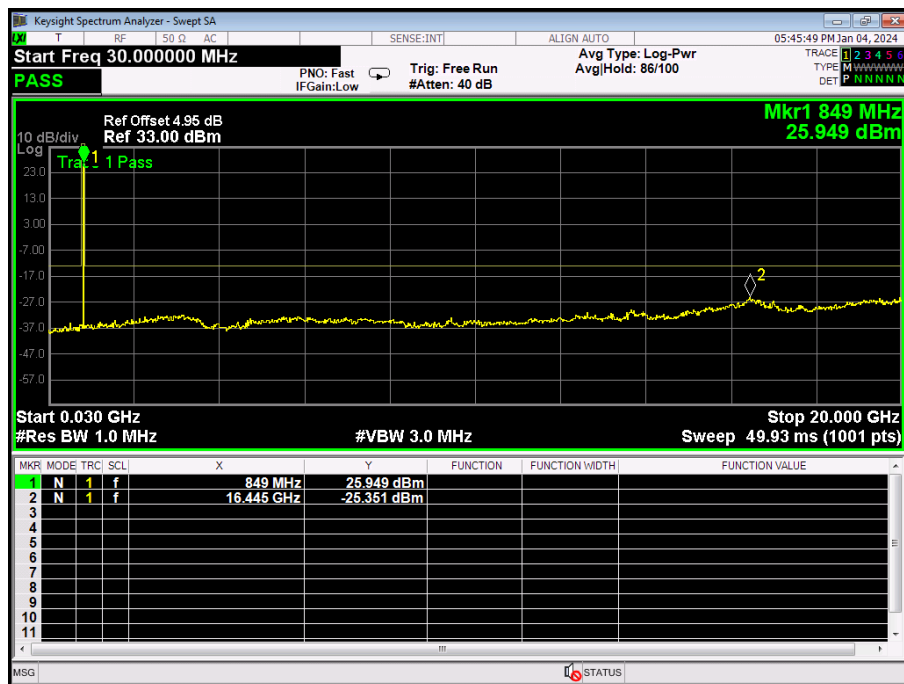
CDMA BC0_Low



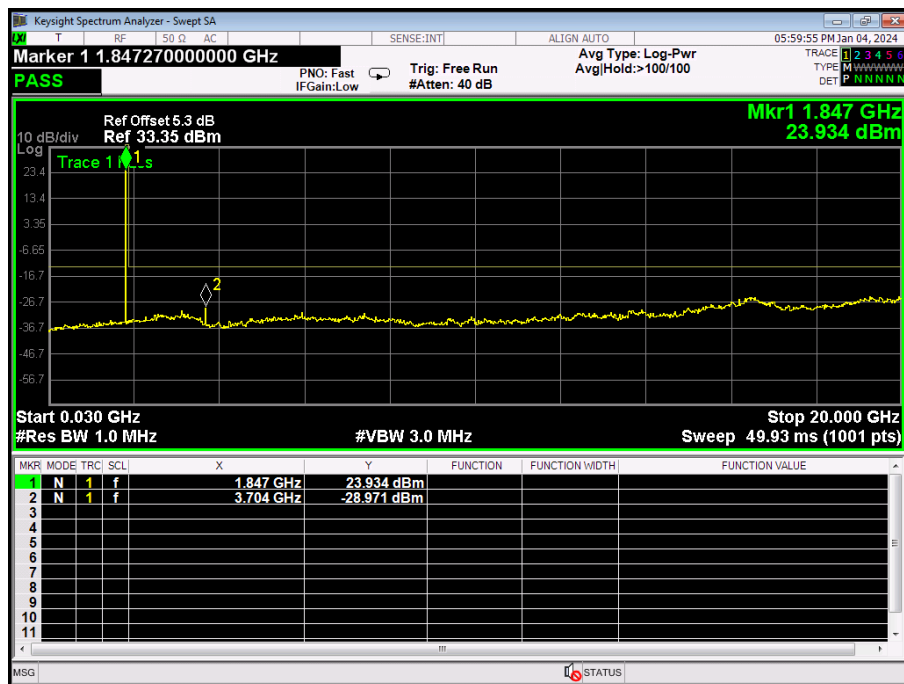
CDMA BC0_Middle



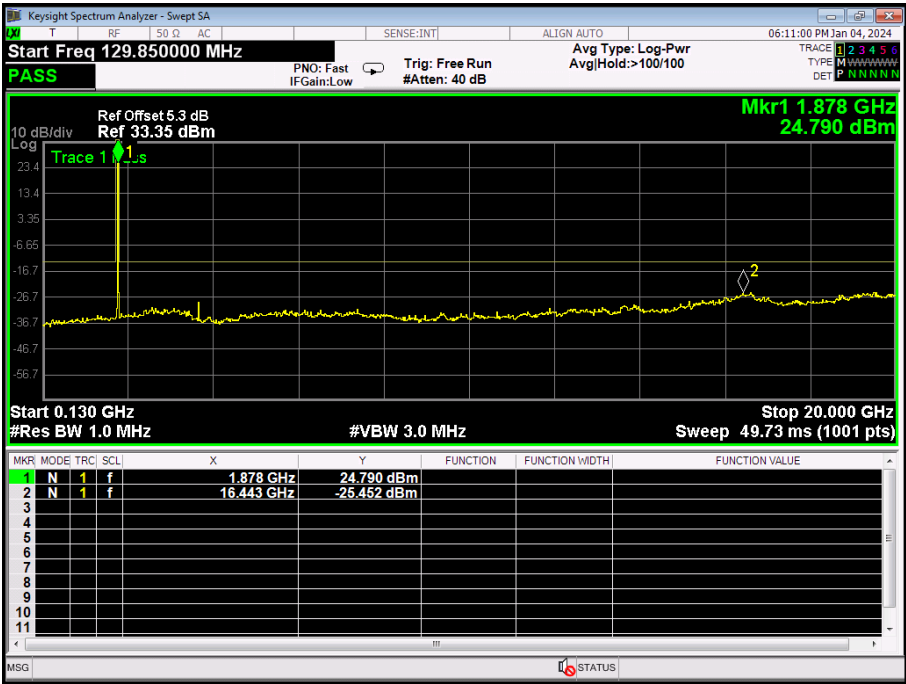
CDMA BC0_Higher



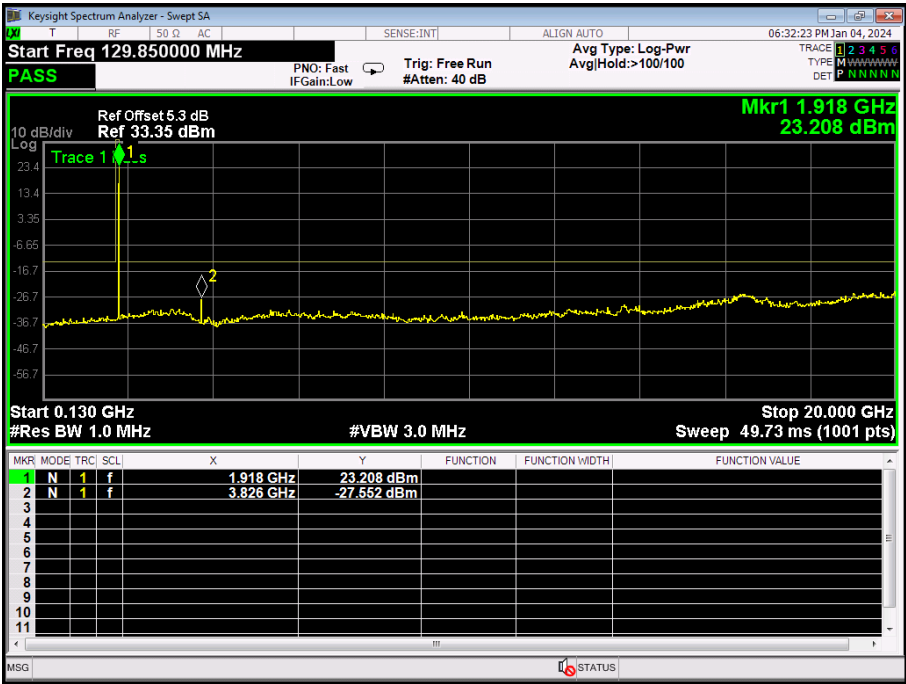
CDMA BC1_Low



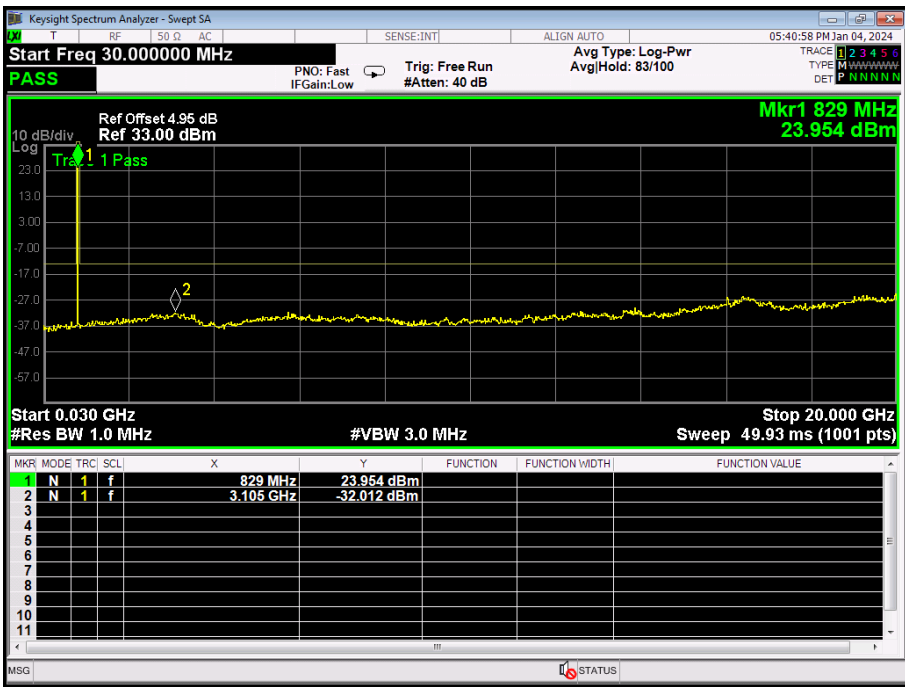
CDMA BC1_Middle



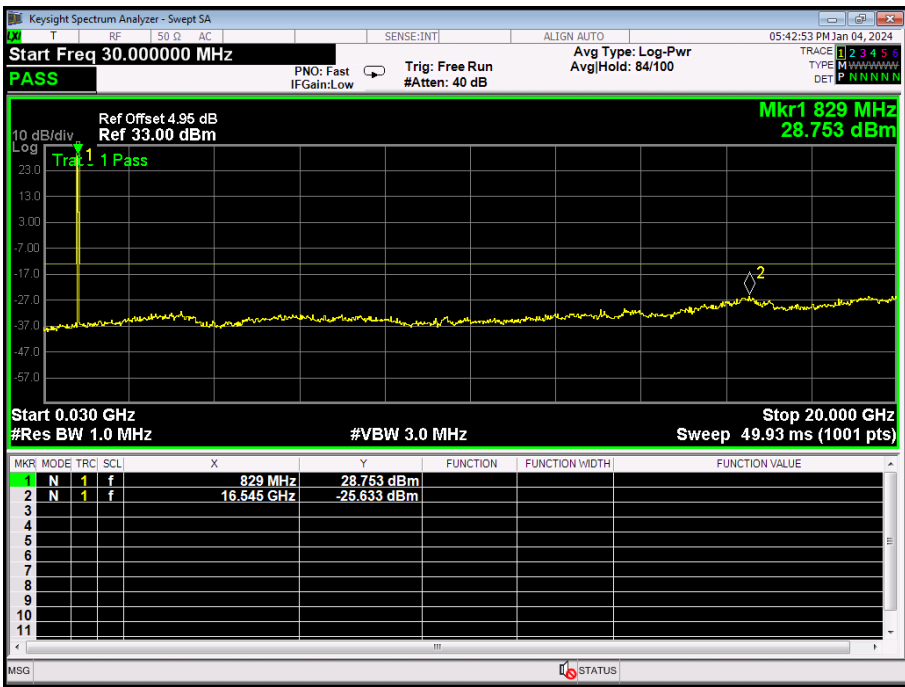
CDMA BC1_Higher



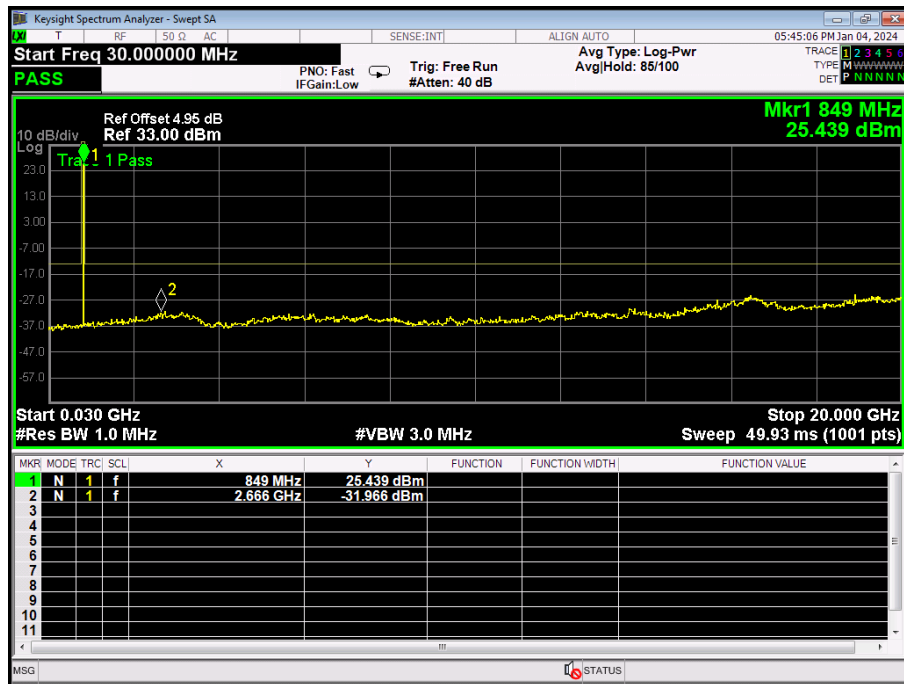
EVDO BC0_Low



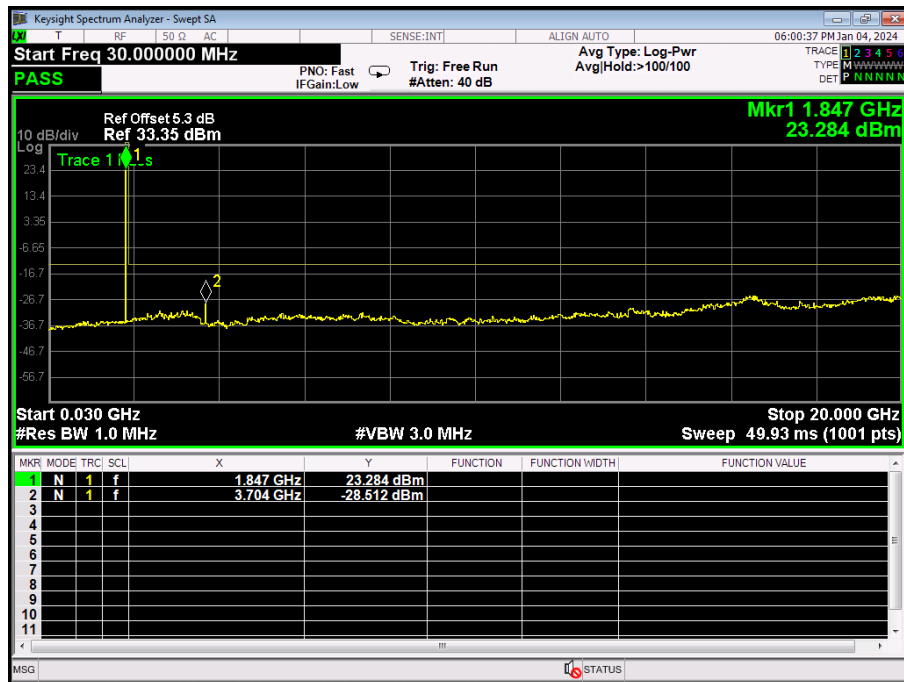
EVDO BC0_Middle



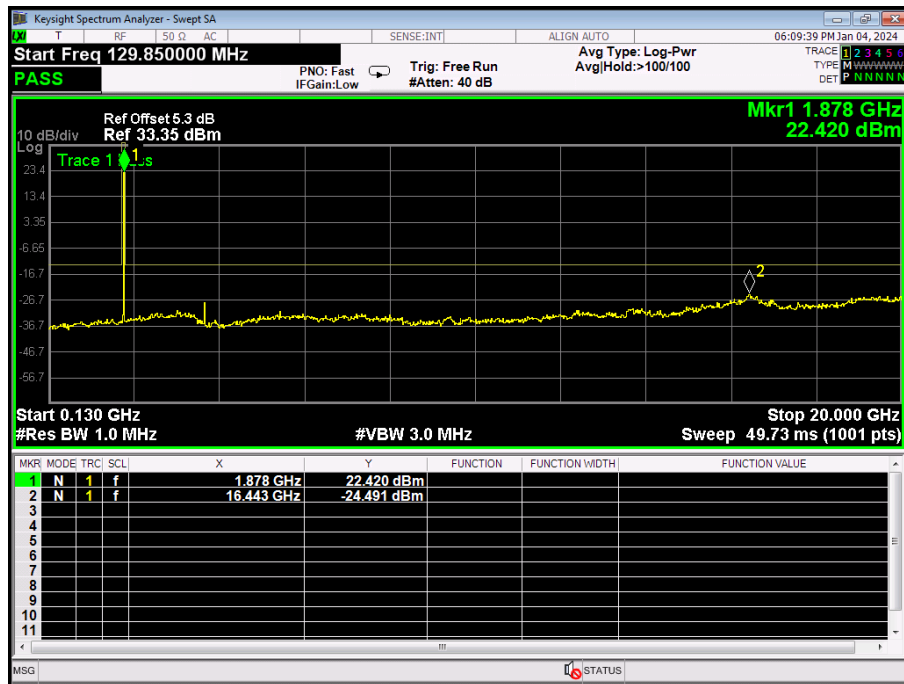
EVDO BC0_Higher



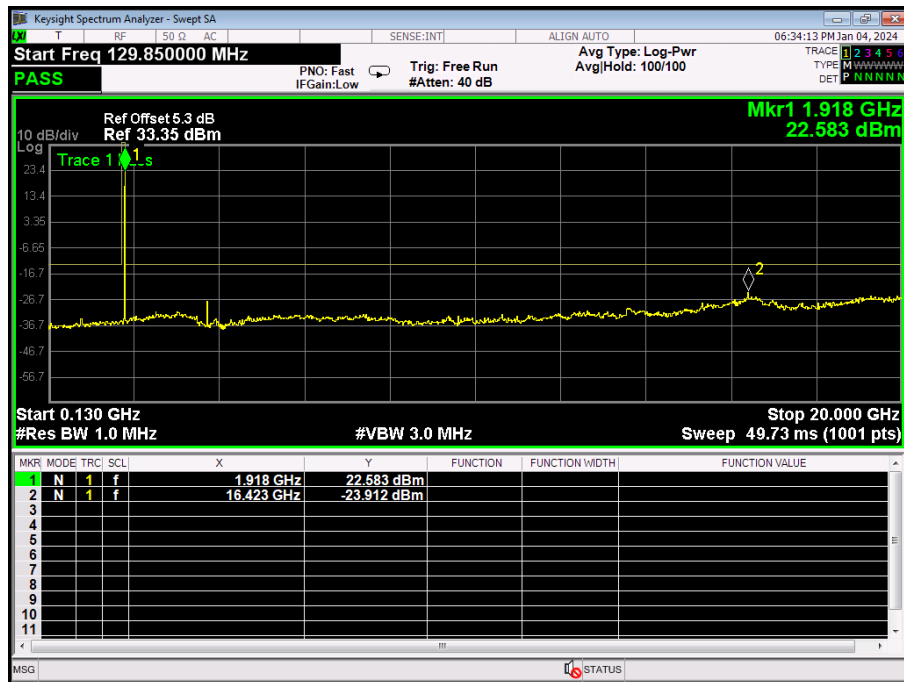
EVDO BC1_Low



EVDO BC1_Middle



EVDO BC1_High



RADIATED SPURIOUS EMISSION

Note:

(1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequency below 1000MHz.

(2) Test is divided into three directions, X/Y/Z. X pattern for the worst.

CDMA BC0: (30-9000)MHz							
The Worst Test Results for Channel 1013/824.7MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1649.40	-29.03	7.40	4.75	-26.38	-13.00	-13.38	H
2474.66	-30.91	8.30	8.39	-31.00	-13.00	-18.00	H
3298.30	-26.60	7.20	11.79	-31.19	-13.00	-18.19	H
1649.40	-30.90	7.40	4.75	-28.25	-13.00	-15.25	V
2474.66	-31.43	8.30	8.39	-31.52	-13.00	-18.52	V
3298.30	-28.10	7.20	11.79	-32.69	-13.00	-19.69	V
The Worst Test Results for Channel 384/836.52MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1673.74	-30.91	7.40	4.75	-28.26	-13.00	-15.26	H
2509.74	-29.88	8.30	8.39	-29.97	-13.00	-16.97	H
3346.27	-26.08	7.20	11.79	-30.67	-13.00	-17.67	H
1673.74	-32.02	7.40	4.75	-29.37	-13.00	-16.37	V
2509.74	-32.18	8.30	8.39	-32.27	-13.00	-19.27	V
3346.27	-25.29	7.20	11.79	-29.88	-13.00	-16.88	V
The Worst Test Results for Channel 1175/848.31MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1696.60	-30.28	7.40	4.75	-27.63	-13.00	-14.63	H
2544.41	-32.30	8.30	8.39	-32.39	-13.00	-19.39	H
3393.57	-28.06	7.20	11.79	-32.65	-13.00	-19.65	H
1696.60	-28.25	7.40	4.75	-25.60	-13.00	-12.60	V
2544.41	-28.34	8.30	8.39	-28.43	-13.00	-15.43	V
3393.57	-29.98	7.20	11.79	-34.57	-13.00	-21.57	V

EVDO BC0: (30-9000)MHz							
The Worst Test Results for Channel 1013/824.7MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1649.61	-31.83	7.40	4.75	-29.18	-13.00	-16.18	H
2474.43	-27.77	8.30	8.39	-27.86	-13.00	-14.86	H
3298.12	-28.02	7.20	11.79	-32.61	-13.00	-19.61	H
1649.61	-30.47	7.40	4.75	-27.82	-13.00	-14.82	V
2474.43	-28.28	8.30	8.39	-28.37	-13.00	-15.37	V
3298.12	-26.74	7.20	11.79	-31.33	-13.00	-18.33	V
The Worst Test Results for Channel 384/836.52MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1673.37	-29.51	7.40	4.75	-26.86	-13.00	-13.86	H
2509.55	-32.20	8.30	8.39	-32.29	-13.00	-19.29	H
3346.37	-28.81	7.20	11.79	-33.40	-13.00	-20.40	H
1673.37	-32.70	7.40	4.75	-30.05	-13.00	-17.05	V
2509.55	-31.18	8.30	8.39	-31.27	-13.00	-18.27	V
3346.37	-25.80	7.20	11.79	-30.39	-13.00	-17.39	V
The Worst Test Results for Channel 1175/848.31MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
1696.46	-28.34	7.40	4.75	-25.69	-13.00	-12.69	H
2544.06	-27.73	8.30	8.39	-27.82	-13.00	-14.82	H
3393.60	-26.93	7.20	11.79	-31.52	-13.00	-18.52	H
1696.46	-28.51	7.40	4.75	-25.86	-13.00	-12.86	V
2544.06	-29.43	8.30	8.39	-29.52	-13.00	-16.52	V
3393.60	-28.38	7.20	11.79	-32.97	-13.00	-19.97	V

CDMA BC1: (30-20000)MHz							
The Worst Test Results for Channel 25/1851.25MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3702.45	-27.48	7.00	12.93	-33.41	-13.00	-20.41	H
5553.71	-31.64	8.20	17.11	-40.55	-13.00	-27.55	H
7405.49	-26.81	8.10	22.20	-40.91	-13.00	-27.91	H
3702.45	-29.90	7.00	12.93	-35.83	-13.00	-22.83	V
5553.71	-27.96	8.20	17.11	-36.87	-13.00	-23.87	V
7405.49	-25.32	8.10	22.20	-39.42	-13.00	-26.42	V
The Worst Test Results for Channel 600/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3760.21	-29.98	7.00	12.93	-35.91	-13.00	-22.91	H
5640.28	-31.67	8.20	17.11	-40.58	-13.00	-27.58	H
7520.07	-28.72	8.10	22.20	-42.82	-13.00	-29.82	H
3760.21	-30.55	7.00	12.93	-36.48	-13.00	-23.48	V
5640.28	-28.42	8.20	17.11	-37.33	-13.00	-24.33	V
7520.07	-25.70	8.10	22.20	-39.80	-13.00	-26.80	V
The Worst Test Results for Channel 1175/1908.75MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3817.52	-27.55	7.00	12.93	-33.48	-13.00	-20.48	H
5726.23	-30.34	8.20	17.11	-39.25	-13.00	-26.25	H
7635.32	-29.57	8.10	22.20	-43.67	-13.00	-30.67	H
3817.52	-28.34	7.00	12.93	-34.27	-13.00	-21.27	V
5726.23	-31.34	8.20	17.11	-40.25	-13.00	-27.25	V
7635.32	-25.91	8.10	22.20	-40.01	-13.00	-27.01	V

EVDO BC1: (30-20000)MHz							
The Worst Test Results for Channel 25/1851.25MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3702.19	-30.43	7.00	12.93	-36.36	-13.00	-23.36	H
5553.51	-31.02	8.20	17.11	-39.93	-13.00	-26.93	H
7405.88	-26.93	8.10	22.20	-41.03	-13.00	-28.03	H
3702.19	-31.80	7.00	12.93	-37.73	-13.00	-24.73	V
5553.51	-28.38	8.20	17.11	-37.29	-13.00	-24.29	V
7405.88	-27.79	8.10	22.20	-41.89	-13.00	-28.89	V
The Worst Test Results for Channel 600/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3759.94	-31.25	7.00	12.93	-37.18	-13.00	-24.18	H
5639.98	-28.65	8.20	17.11	-37.56	-13.00	-24.56	H
7520.00	-26.97	8.10	22.20	-41.07	-13.00	-28.07	H
3759.94	-28.60	7.00	12.93	-34.53	-13.00	-21.53	V
5639.98	-29.02	8.20	17.11	-37.93	-13.00	-24.93	V
7520.00	-25.26	8.10	22.20	-39.36	-13.00	-26.36	V
The Worst Test Results for Channel 1175/1908.75MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea	Limit	Margin	Polarity
				(dBm)	(dBm)	(dBm)	
3817.25	-31.47	7.00	12.93	-37.40	-13.00	-24.40	H
5726.21	-28.85	8.20	17.11	-37.76	-13.00	-24.76	H
7635.03	-28.19	8.10	22.20	-42.29	-13.00	-29.29	H
3817.25	-30.64	7.00	12.93	-36.57	-13.00	-23.57	V
5726.21	-30.58	8.20	17.11	-39.49	-13.00	-26.49	V
7635.03	-26.40	8.10	22.20	-40.50	-13.00	-27.50	V

APPENDIX II- PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

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