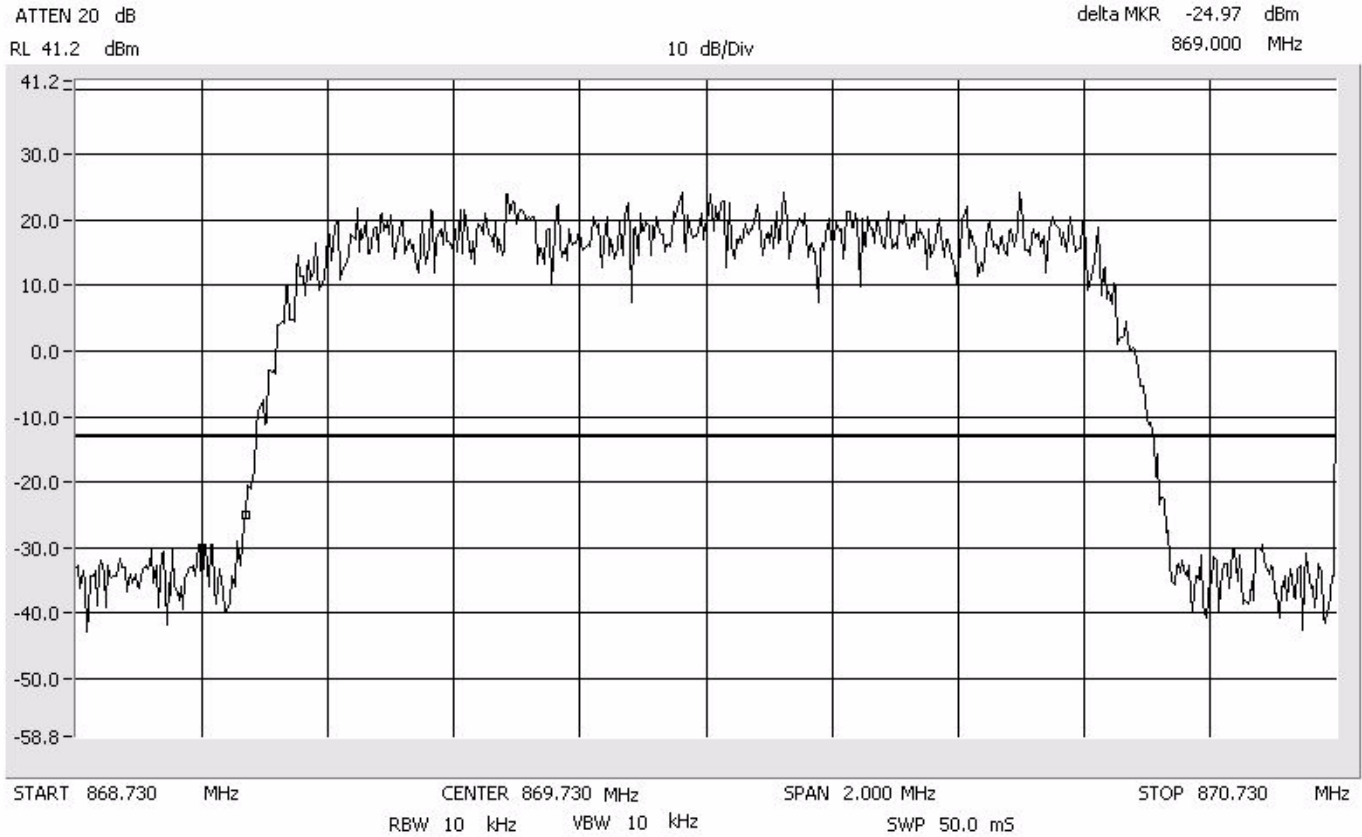


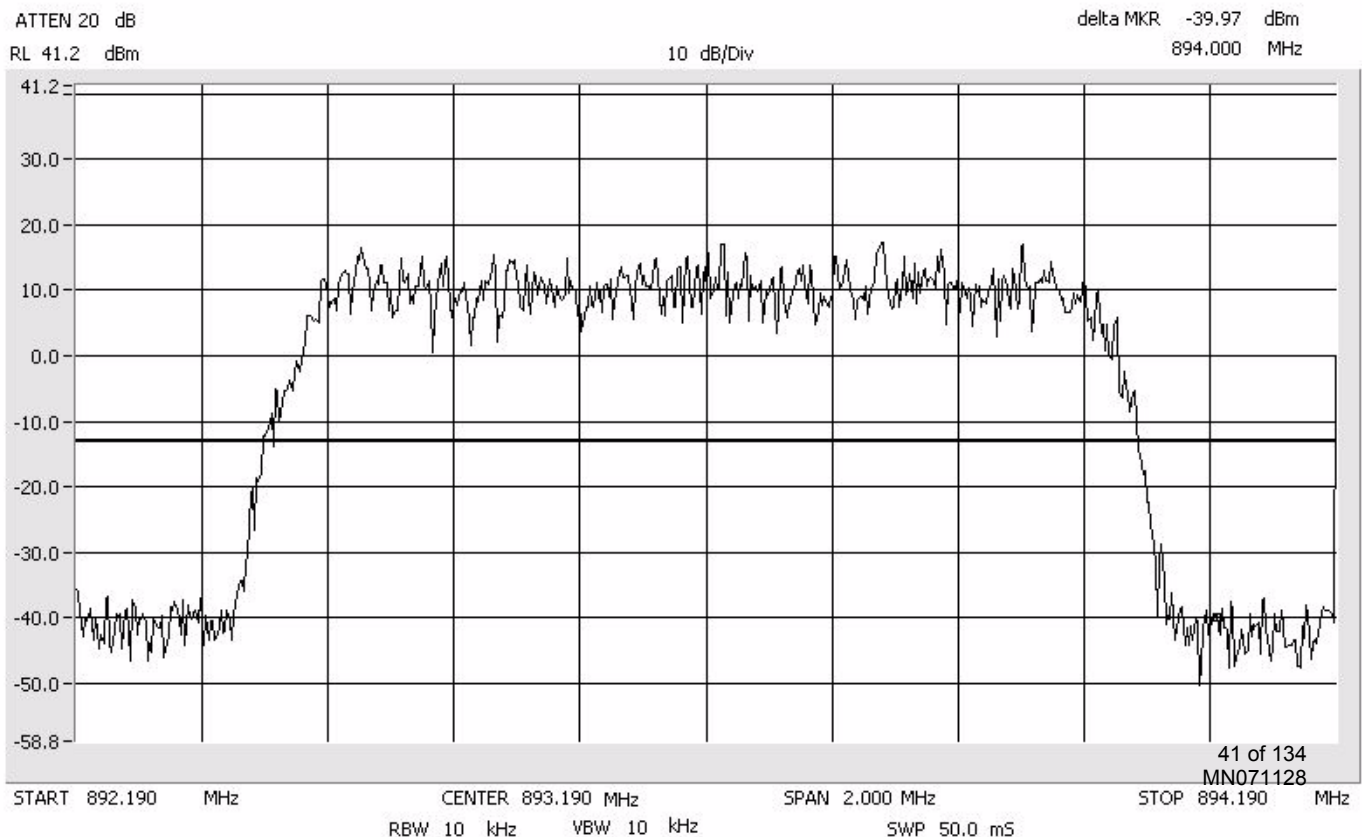
Band Edge CDMA

Center: 869.73
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz



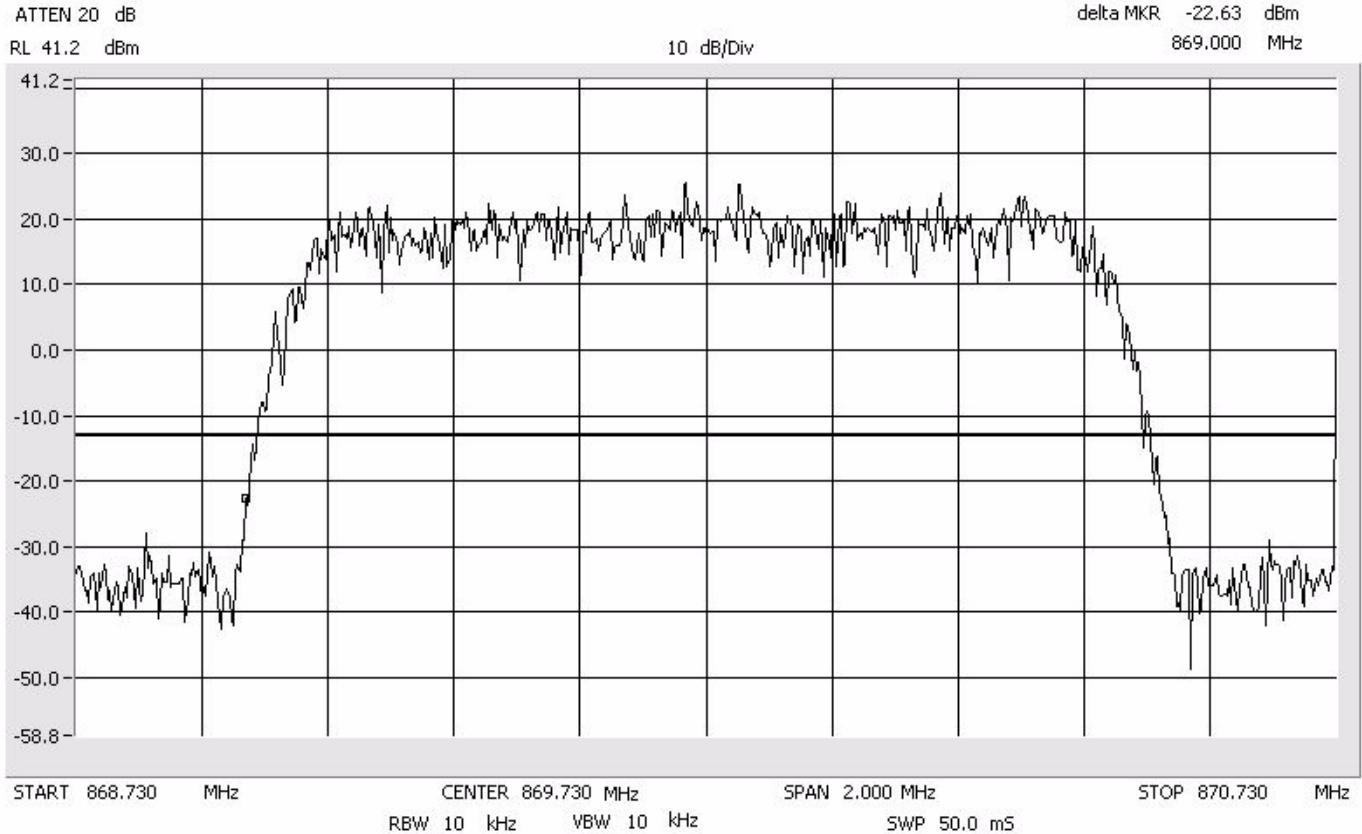
Band Edge CDMA

Center: 893.19 MHz
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz



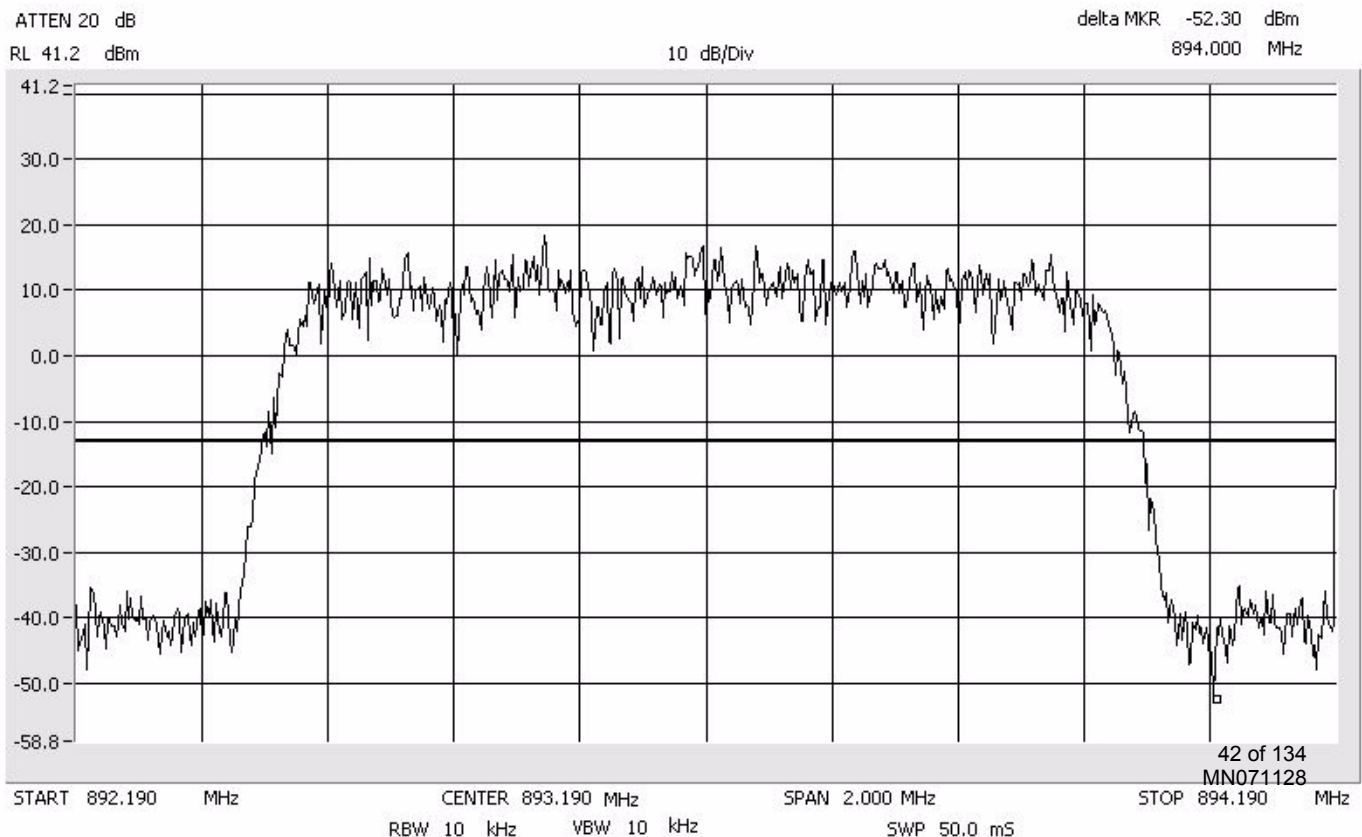
Band Edge EVDO

Center: 869.73
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz



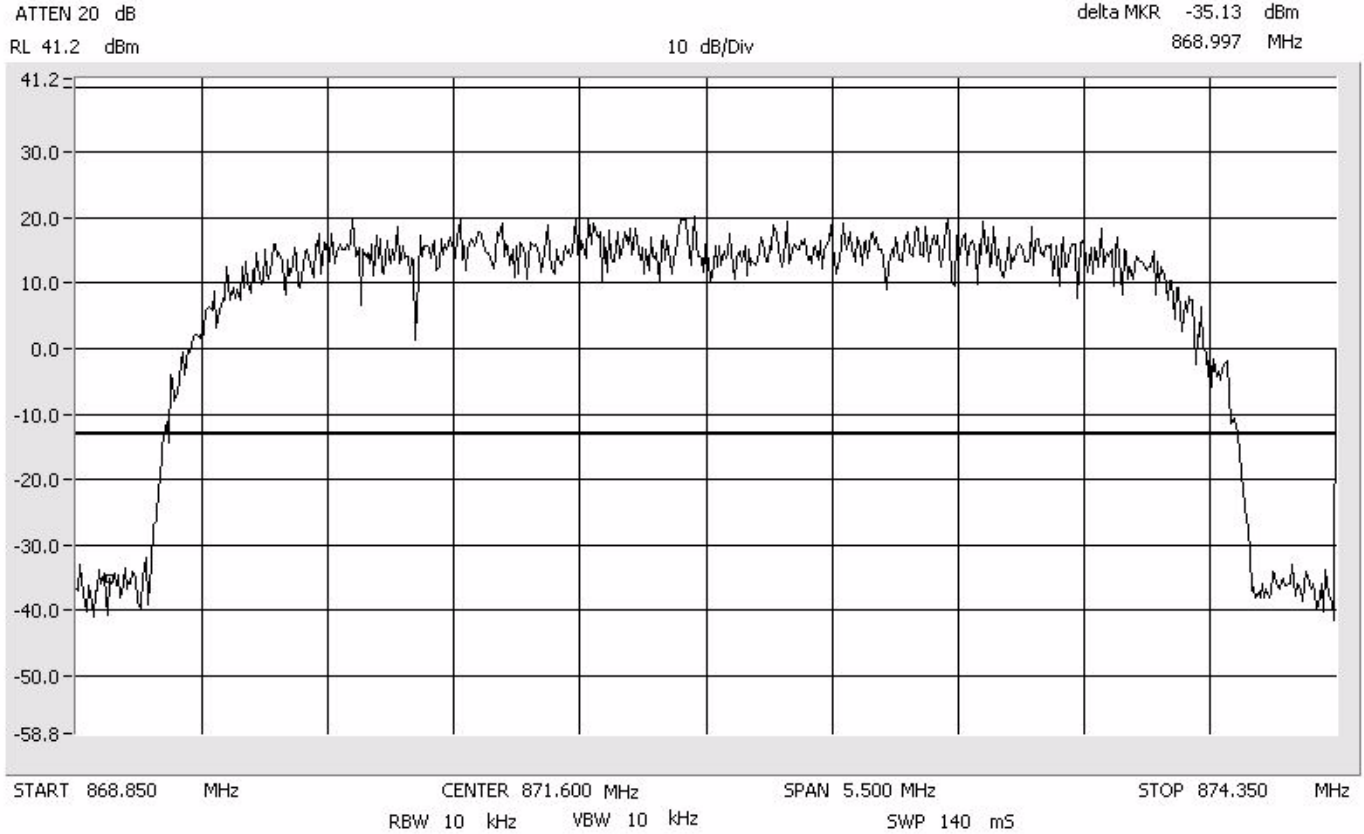
Band Edge EVDO

Center: 893.19 MHz
Span: 2 MHz
RBW: 10 kHz
VBW: 10 kHz



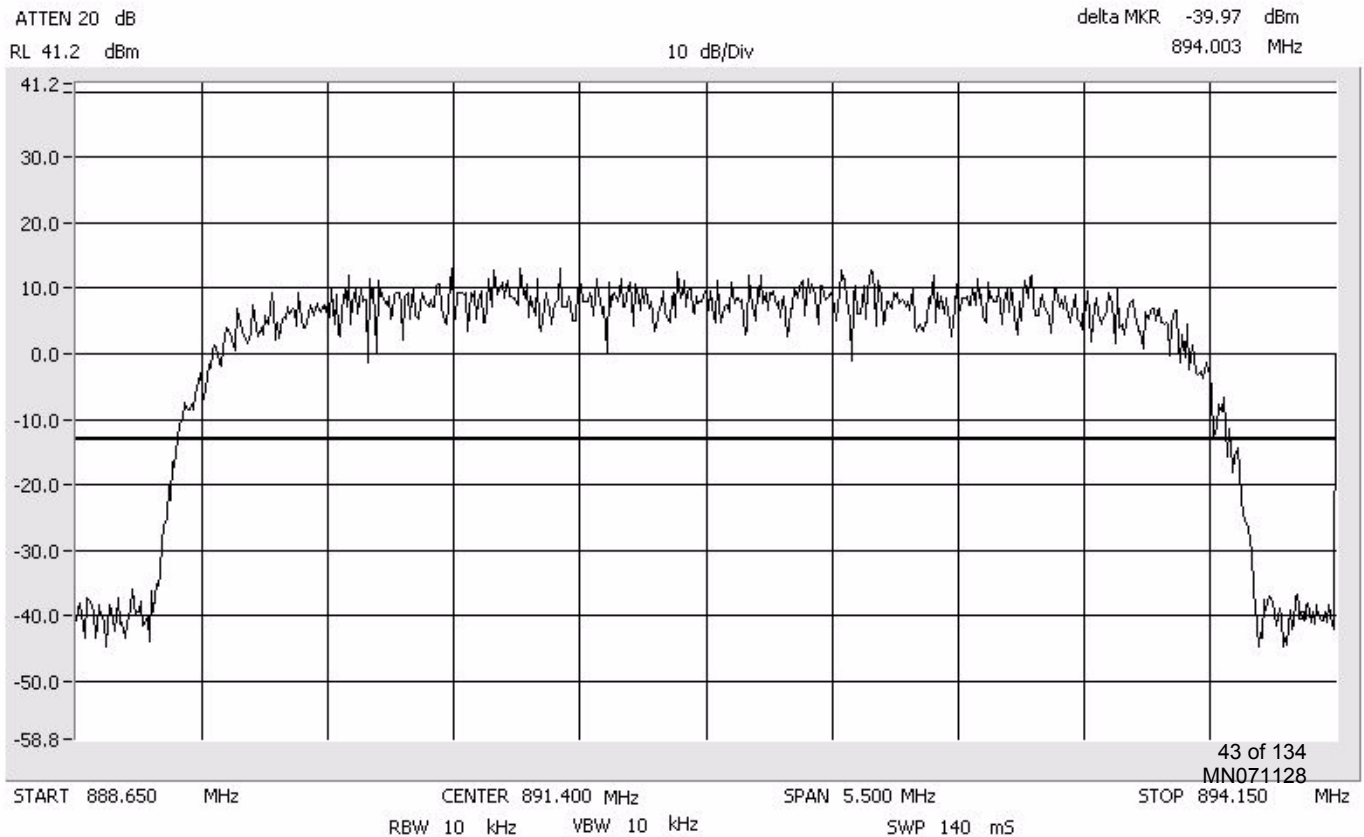
Band Edge W-CDMA

Center: 871.60 MHz
Span: 5.5 MHz
RBW: 10 kHz
VBW: 10 kHz



Band Edge W-CDMA

Center: 891.40 MHz
Span: 5.5 MHz
RBW: 10 kHz
VBW: 10 kHz



Conducted Output Power Test for ADC Inc.

FlexWave™ URH - Cellular

Model Number FWU-220000002110RU

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*Note: The EUT is a fixed repeater and not a base station.

This measurement was made as a direct conducted emission measurement. The output from the EUT antenna connector was connected to the power meter. The carrier output, below, was conducted using a single FM, TDMA, GSM, EDGE, CDMA, EVDO, and W-CDMA signal generator. The power meter level was offset to compensate for attenuators and cable loss between the EUT and the power meter.

A signal was used at the low, mid and high parts of the selected band. The power meter level was offset by 41.2 dB to compensate for attenuators and cable loss between the EUT and the power meter.

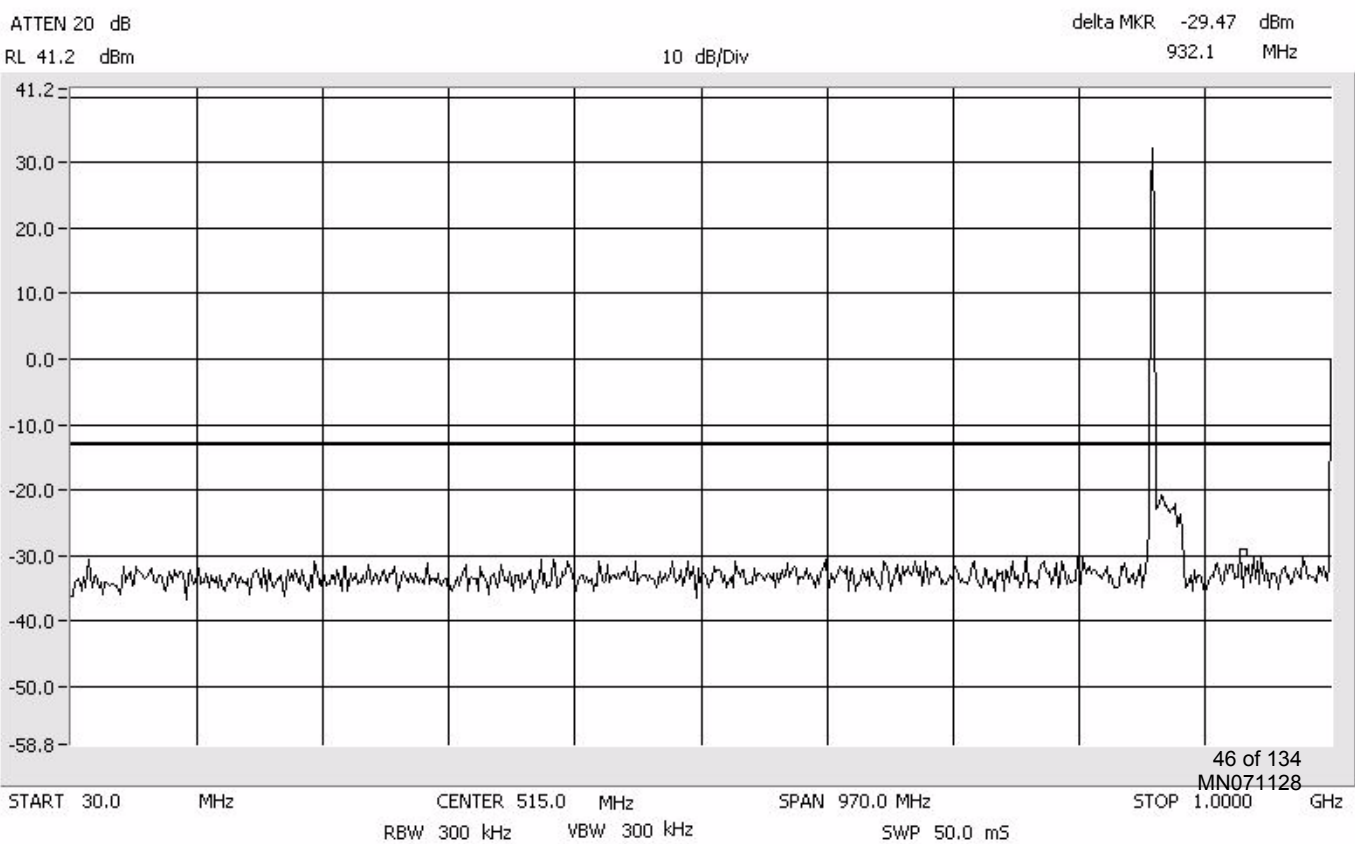
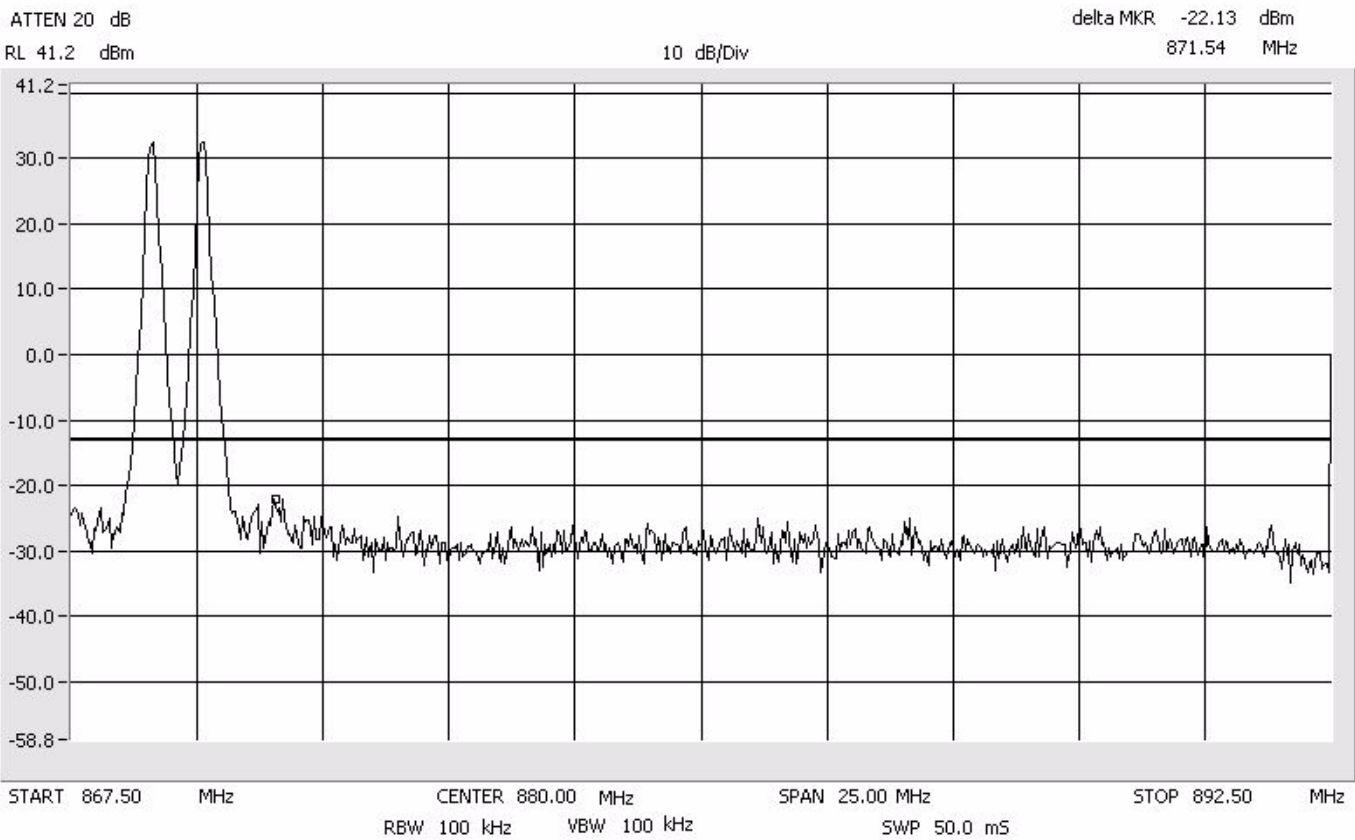
FM		GSM	
	10.02 Watts		10.0 Watts
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
869.2 MHz	<u>39.92</u> dBm	869.5 MHz	<u>39.94</u> dBm
881.5 MHz	<u>40.01</u> dBm	881.5 MHz	<u>40.00</u> dBm
893.8 MHz	<u>39.37</u> dBm	893.5 MHz	<u>39.85</u> dBm
TDMA		EDGE	
	10.59 Watts		9.75 Watts
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
869.2 MHz	<u>40.25</u> dBm	869.5 MHz	<u>39.47</u> dBm
881.5 MHz	<u>39.71</u> dBm	881.5 MHz	<u>39.57</u> dBm
893.8 MHz	<u>39.61</u> dBm	893.5 MHz	<u>39.89</u> dBm
CDMA		EVDO	
	10.14 Watts		9.95 Watts
Carrier Frequency	Carrier Output	Carrier Frequency	Carrier Output
869.8 MHz	<u>39.89</u> dBm	869.8 MHz	<u>39.89</u> dBm
881.5 MHz	<u>40.06</u> dBm	881.5 MHz	<u>39.98</u> dBm
893.2 MHz	<u>39.58</u> dBm	893.2 MHz	<u>39.57</u> dBm
W-CDMA			
	9.86 Watts		
Carrier Frequency	Carrier Output		
871.6 MHz	<u>39.94</u> dBm		
881.5 MHz	<u>39.75</u> dBm		
891.4 MHz	<u>39.39</u> dBm		

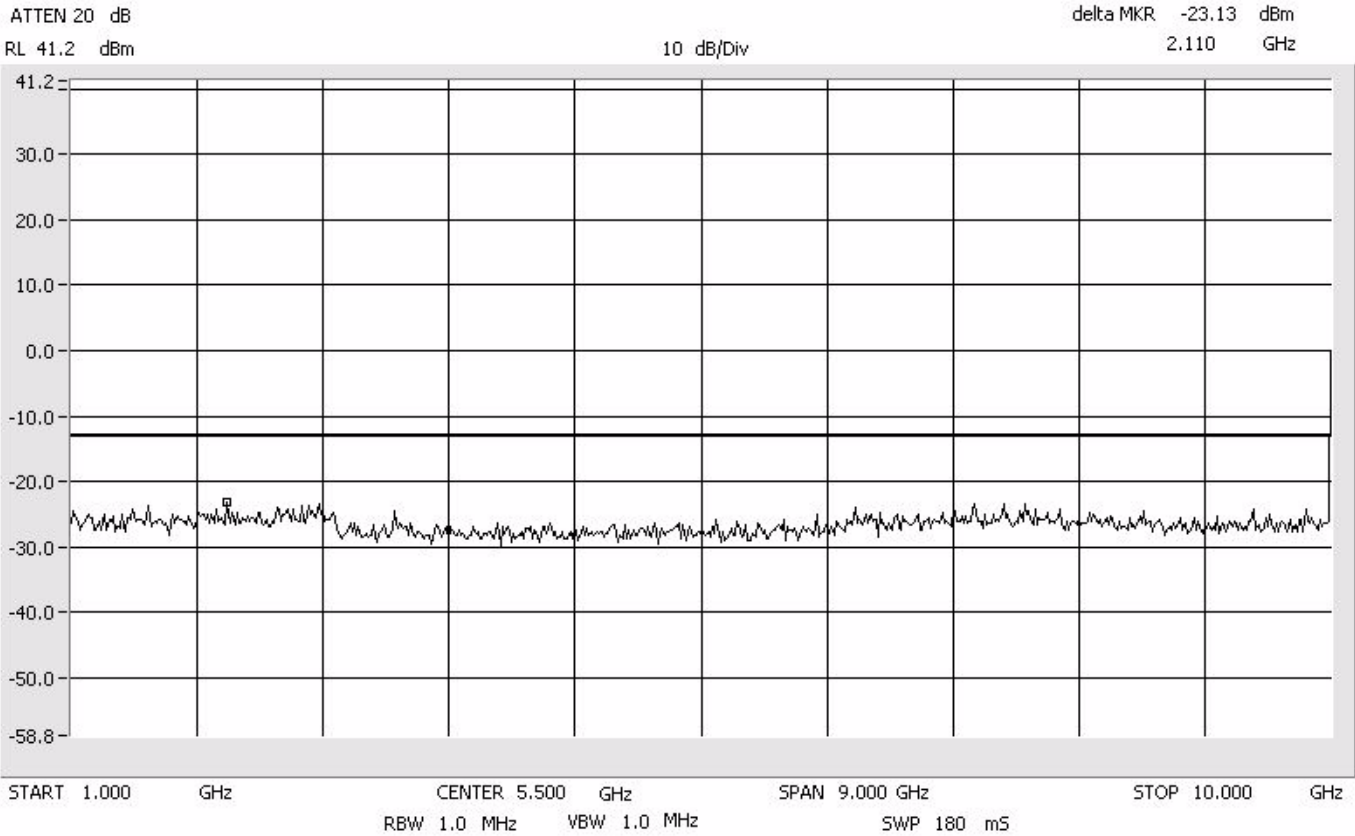
Intermodulation Test for ADC Inc
FlexWave™ URH - Cellular
Model Number FWU-220000002110RU

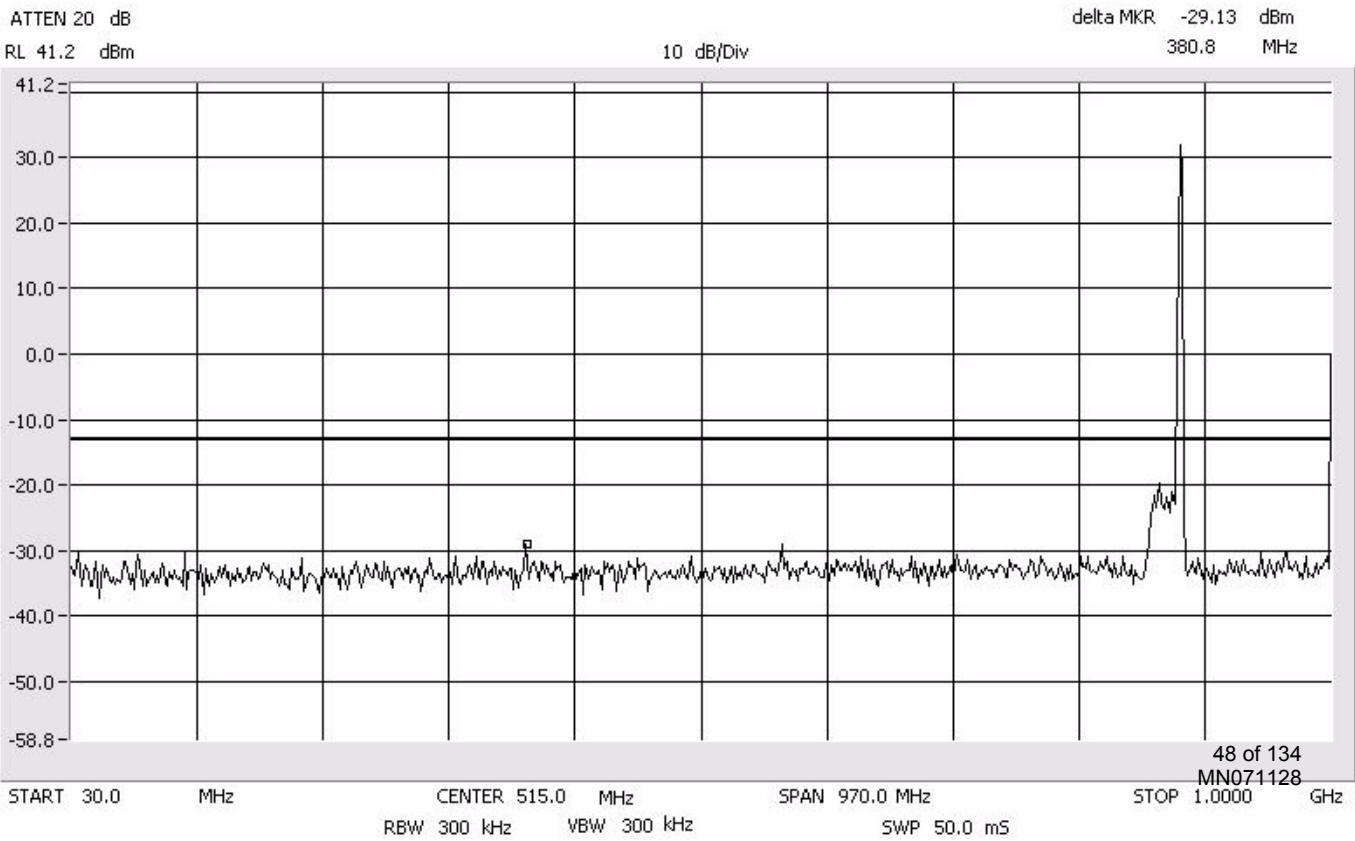
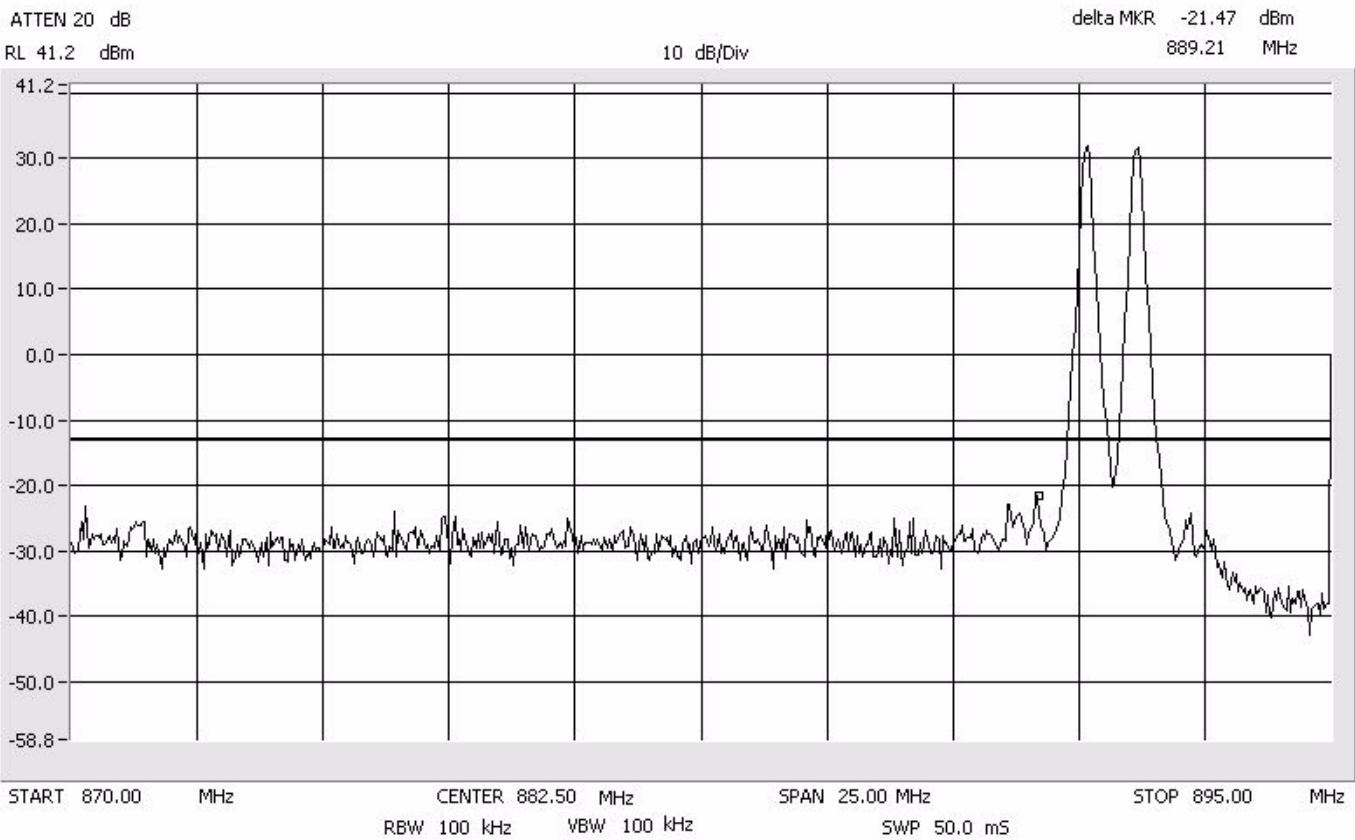
[Back](#)

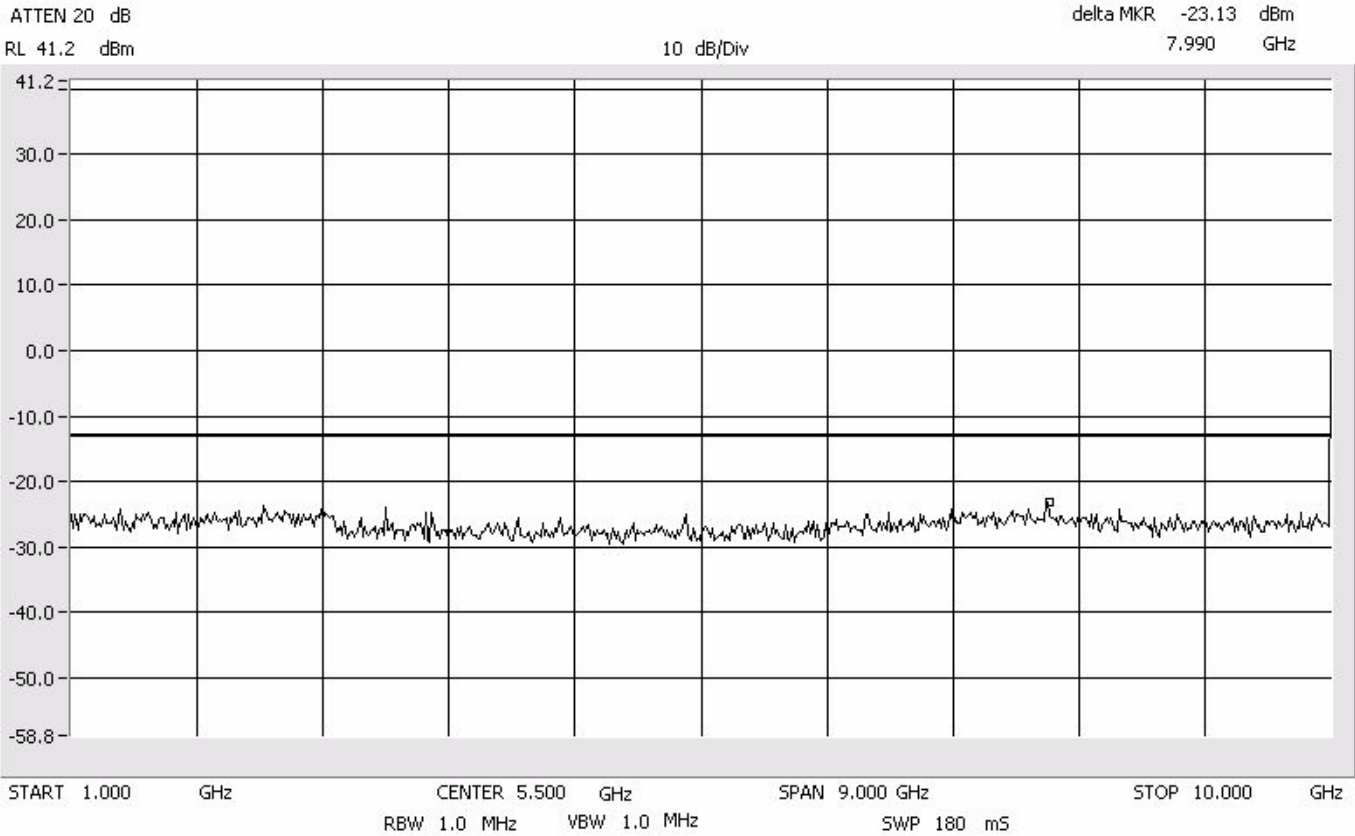
The inter-modulation products test was performed for the EUT. Three tests were performed with the modulation type. Test 1 was with 2 signals input to the EUT at lower end channels. Test 2 was with 2 signals input to the EUT at upper end channels. Test 3 was with 2 signals input to the EUT at upper and lower end channels. The modulation types tested were FM, TDMA, GSM, EDGE, CDMA, EVDO, and W-CDMA. An investigation was made from 30 MHz to the 10th Harmonic of the highest fundamental frequency (~10 GHz). The following plots show the results. Modulation types EVDO and CDMA have the same mask and intermodulation properties.

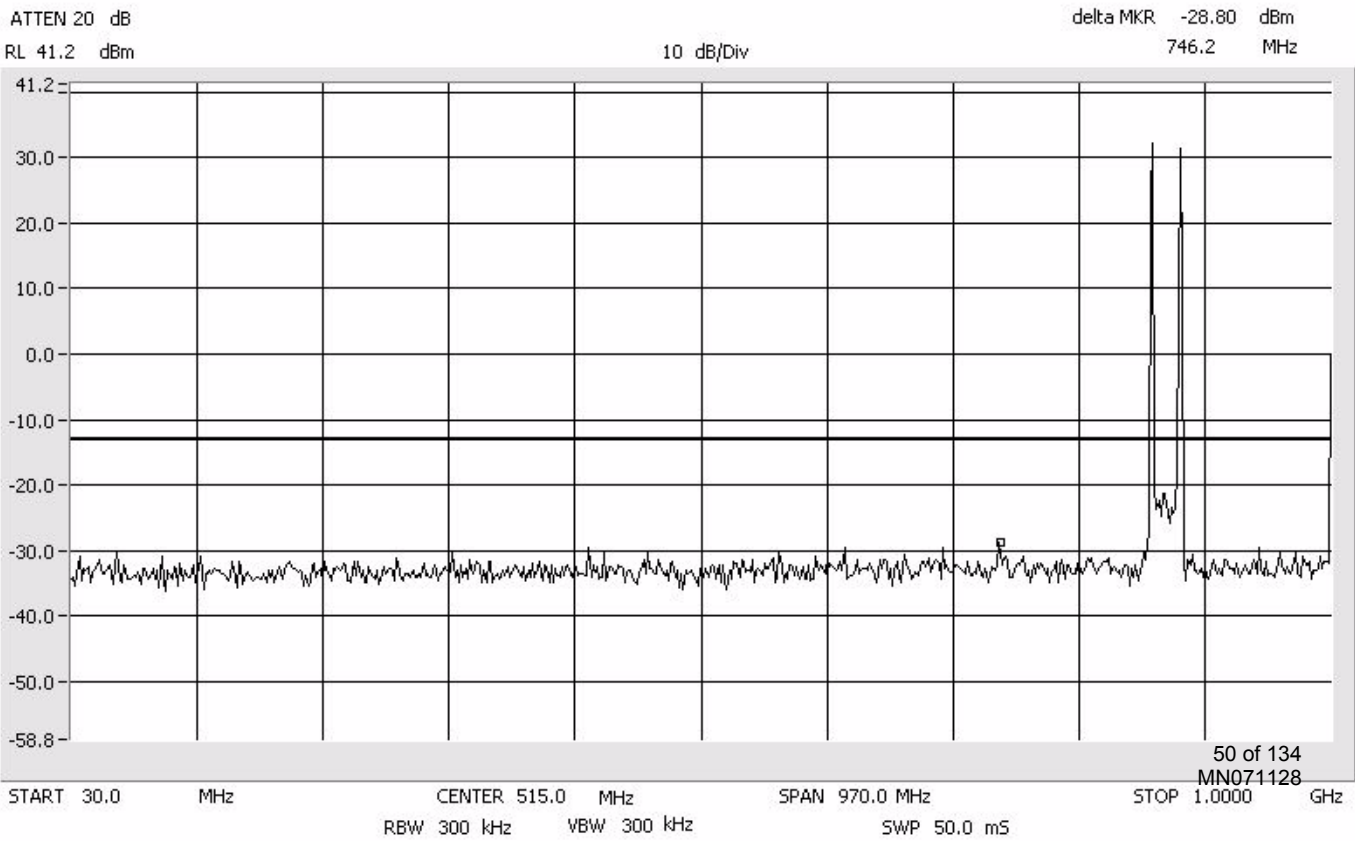
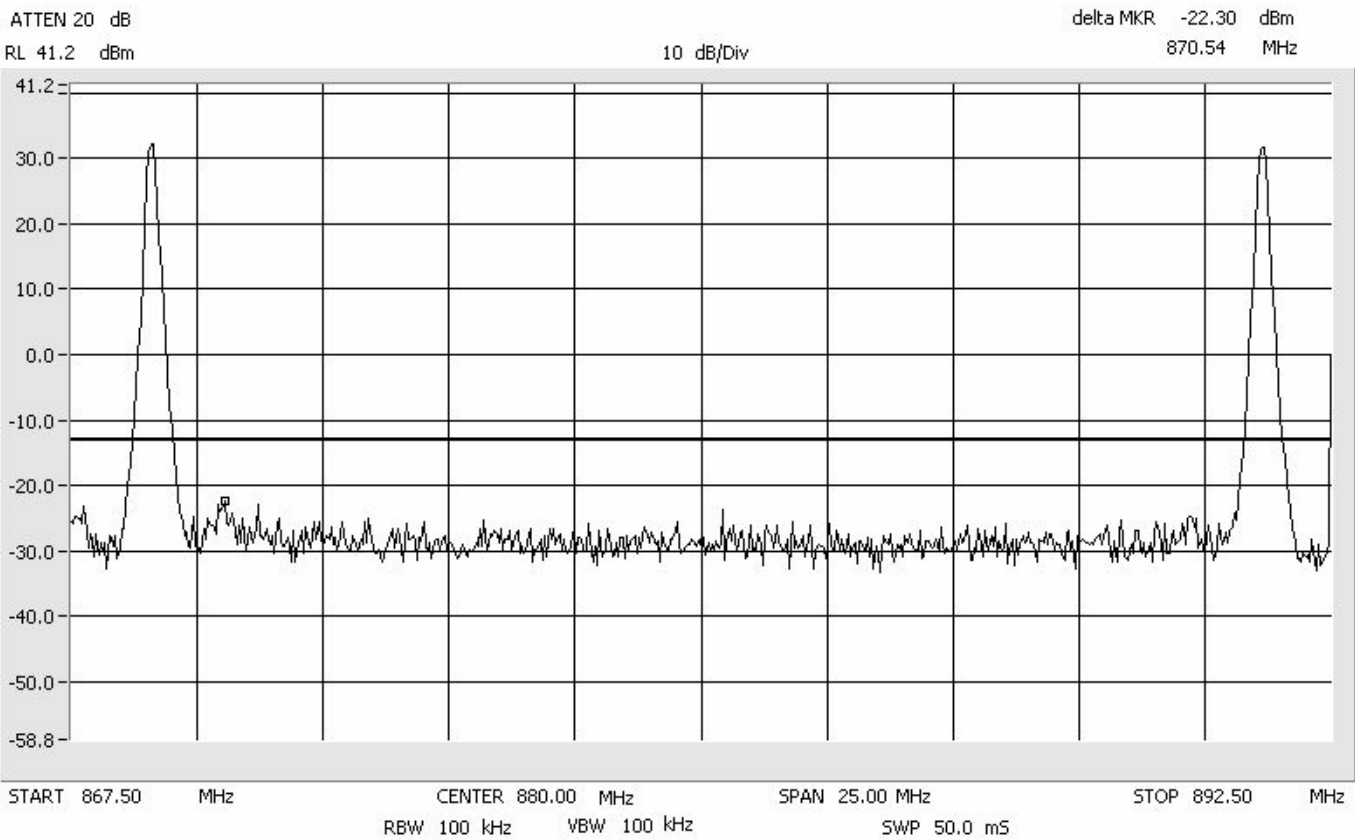
Results:
(See Plots)

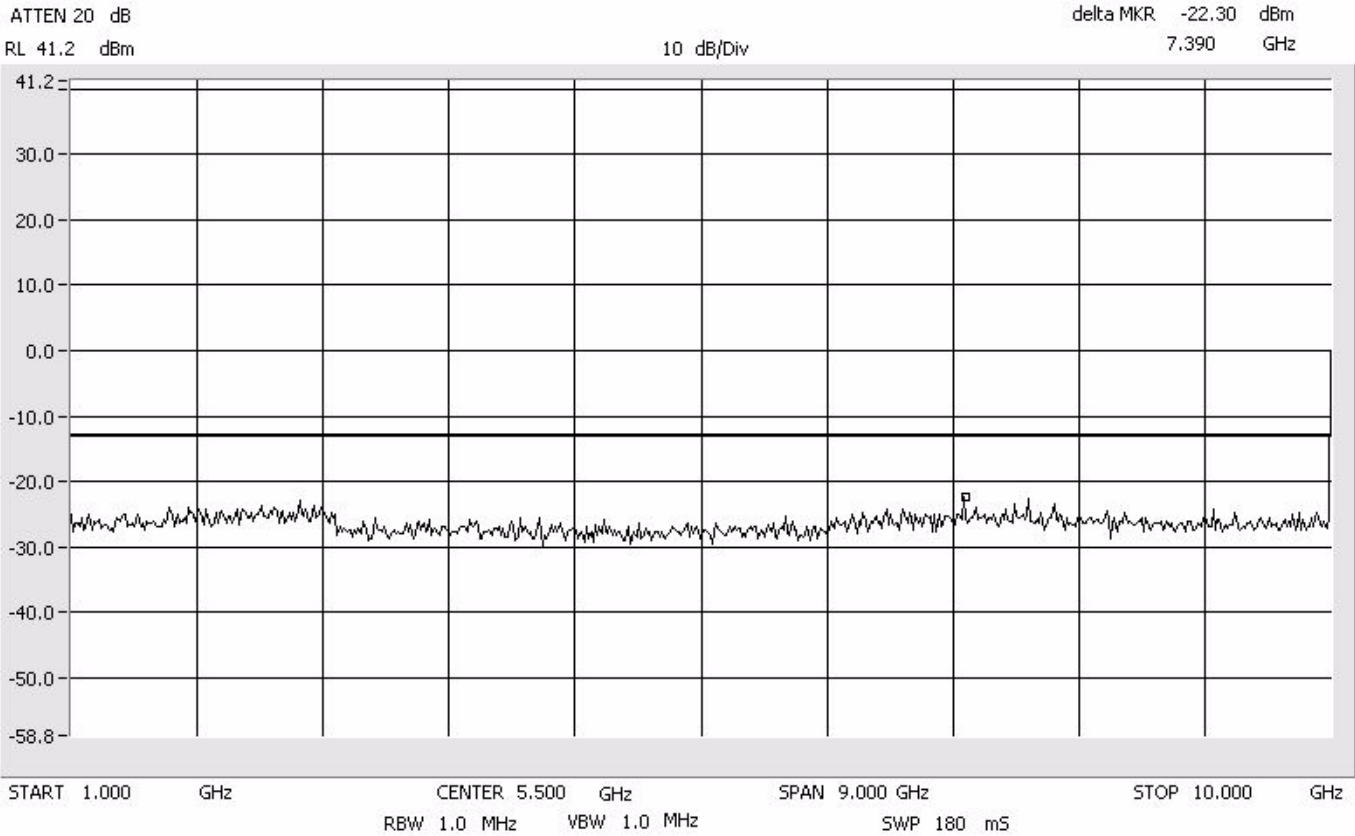


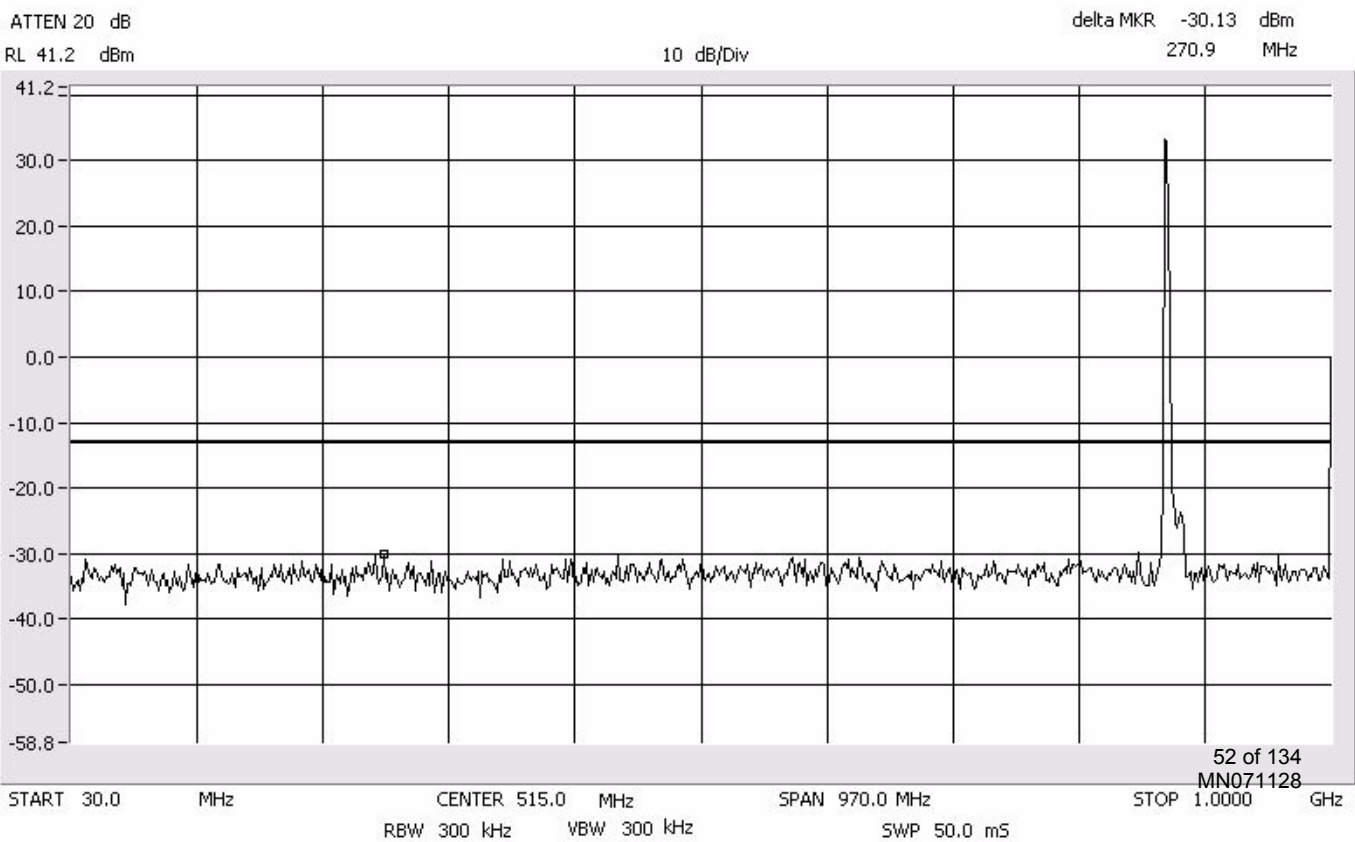
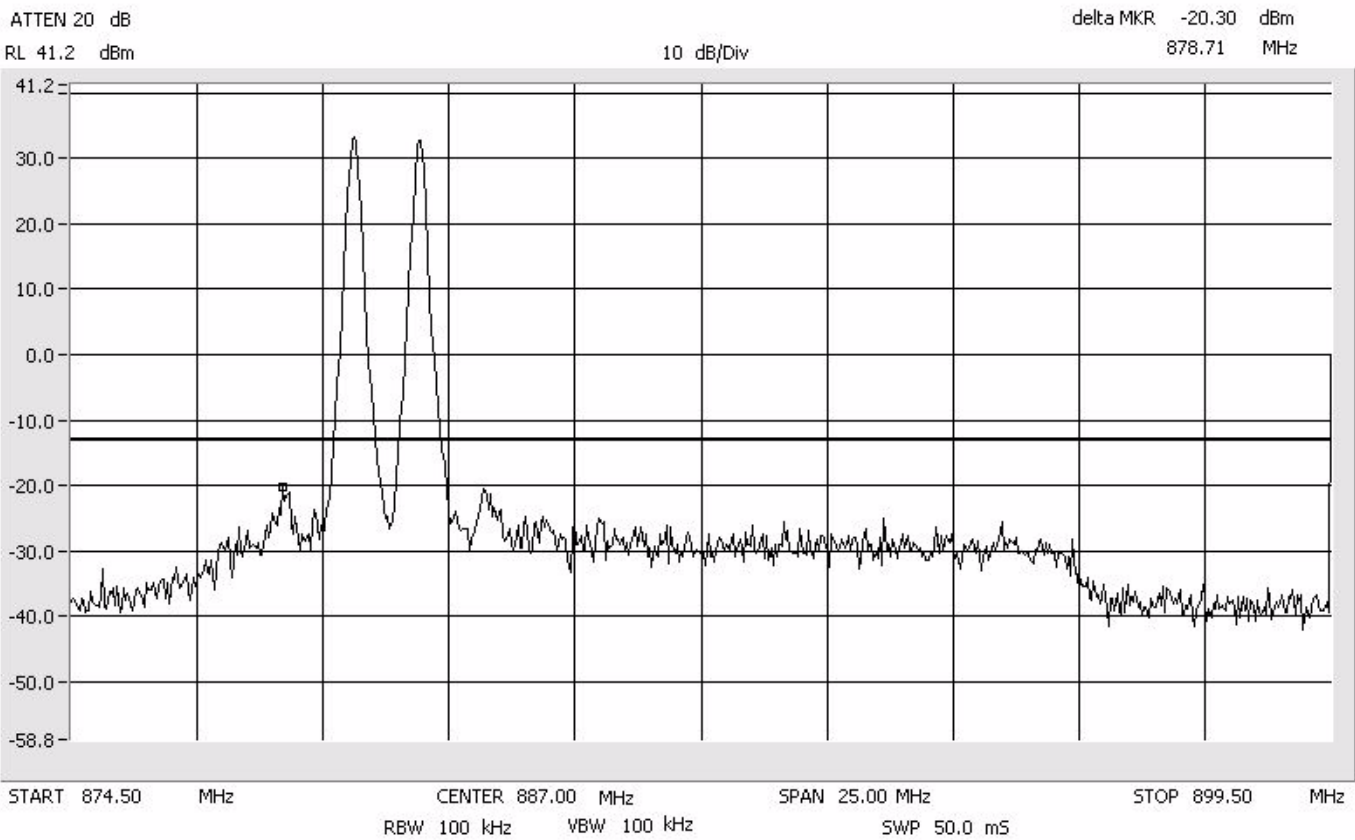


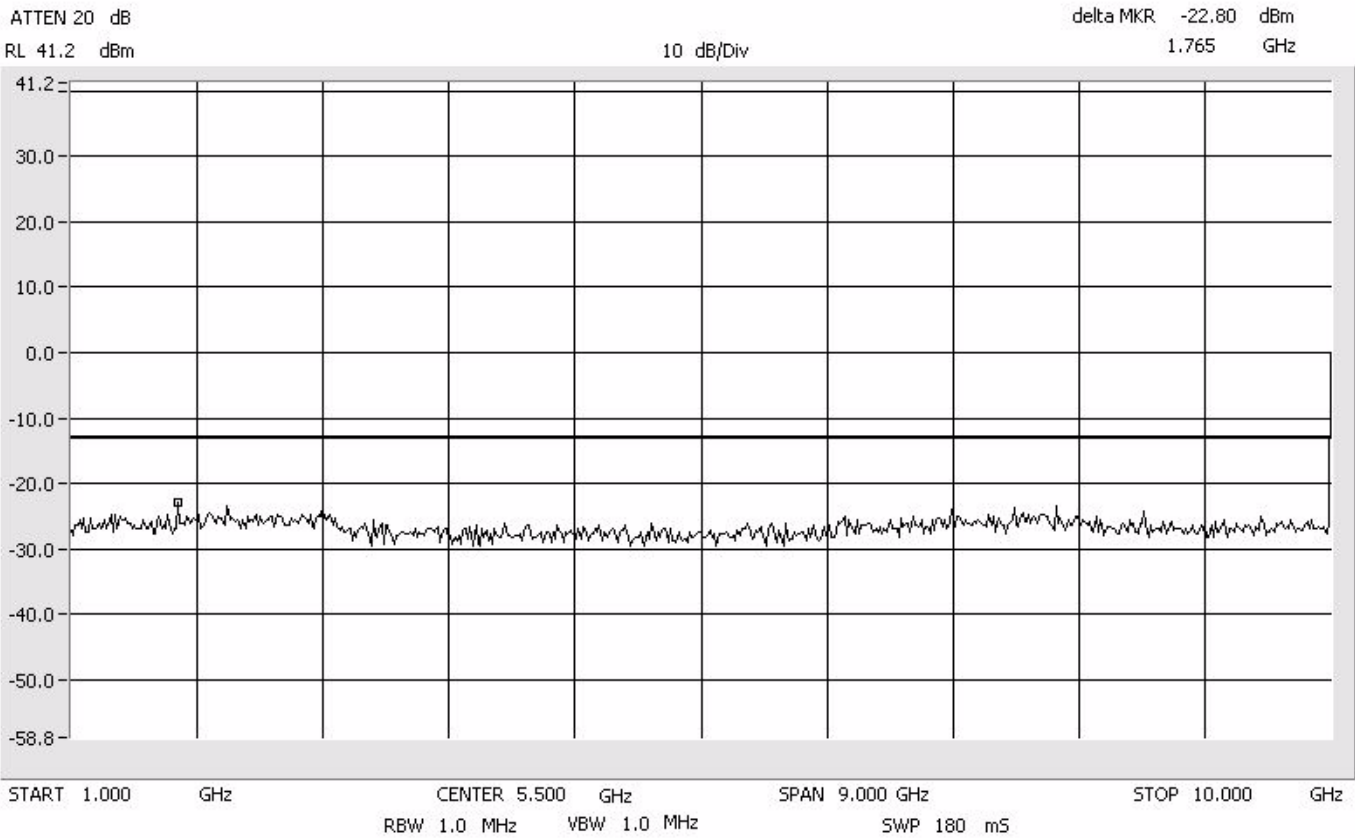








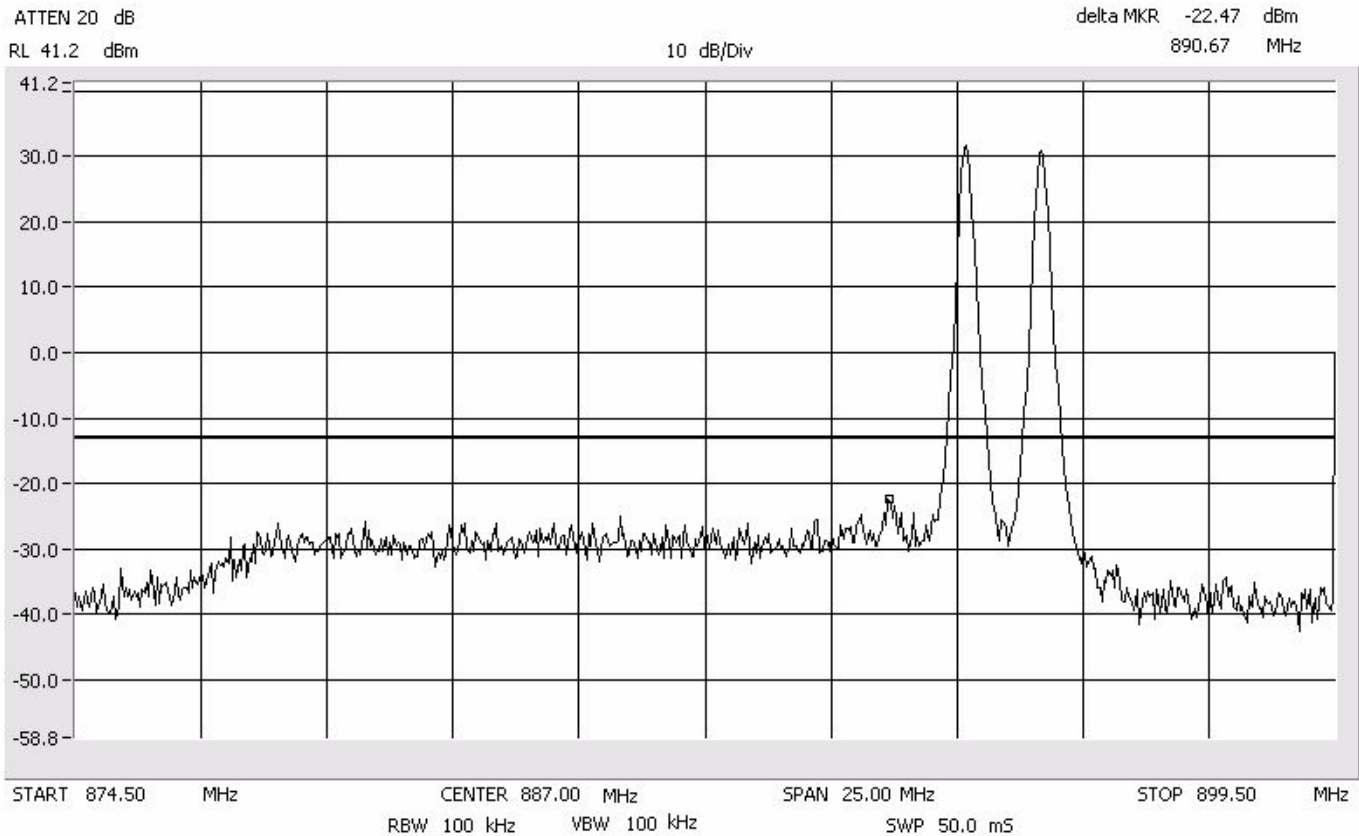




FM
B Band

Intermodulation
Close - Upper
Cellular 800 MHz

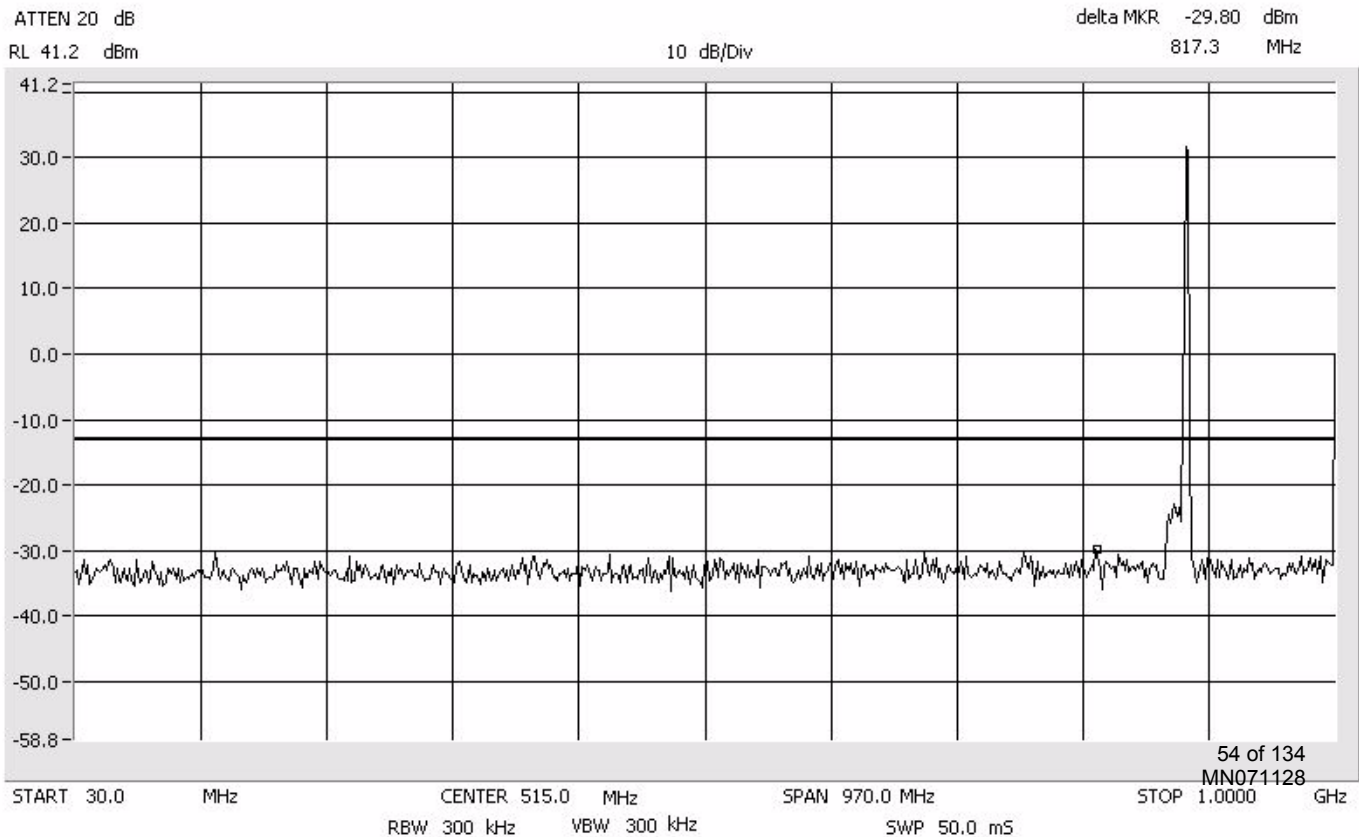
Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz

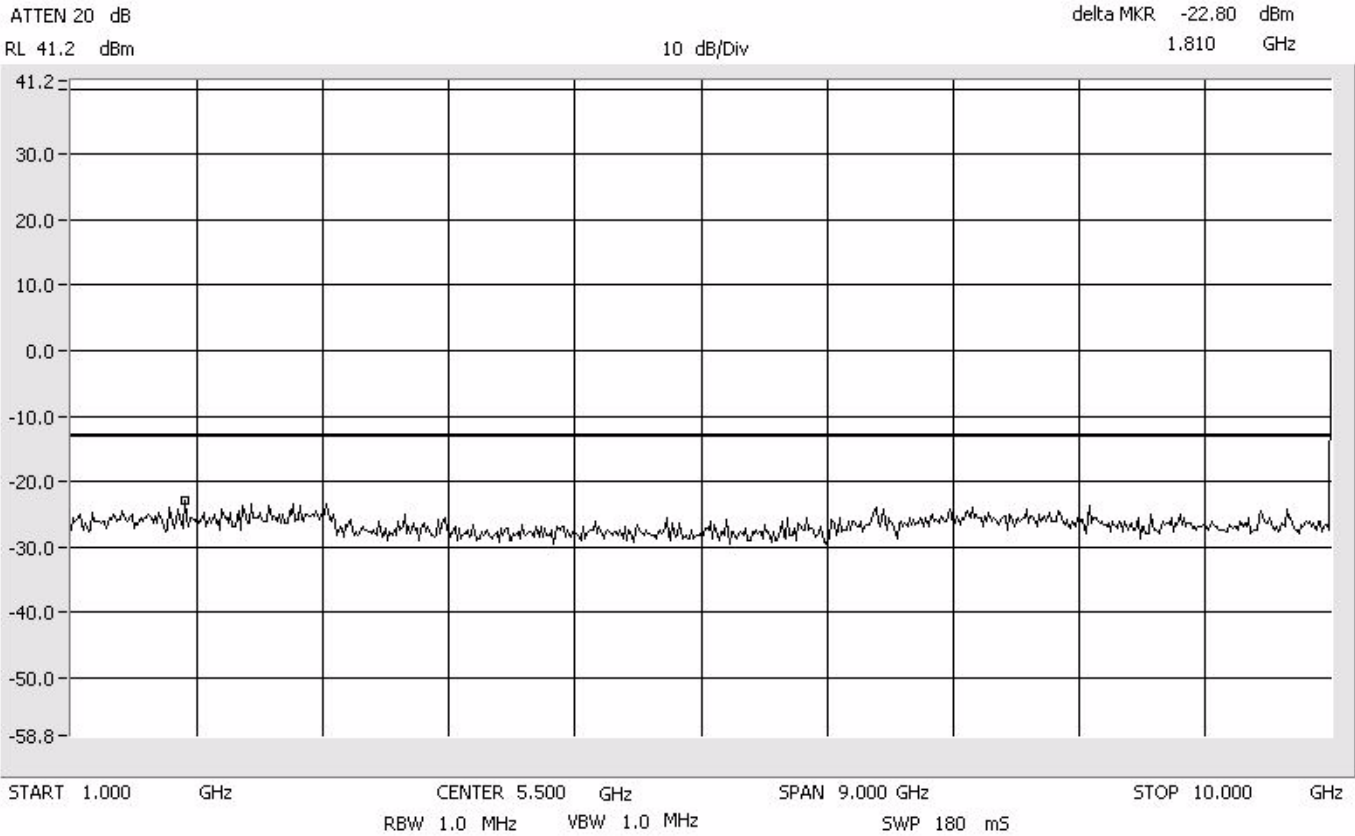


FM
B Band

Intermodulation
Close - Upper
Cellular 800 MHz

Span: 30 MHz to 1 GHz
RBW/VBW: 300 kHz

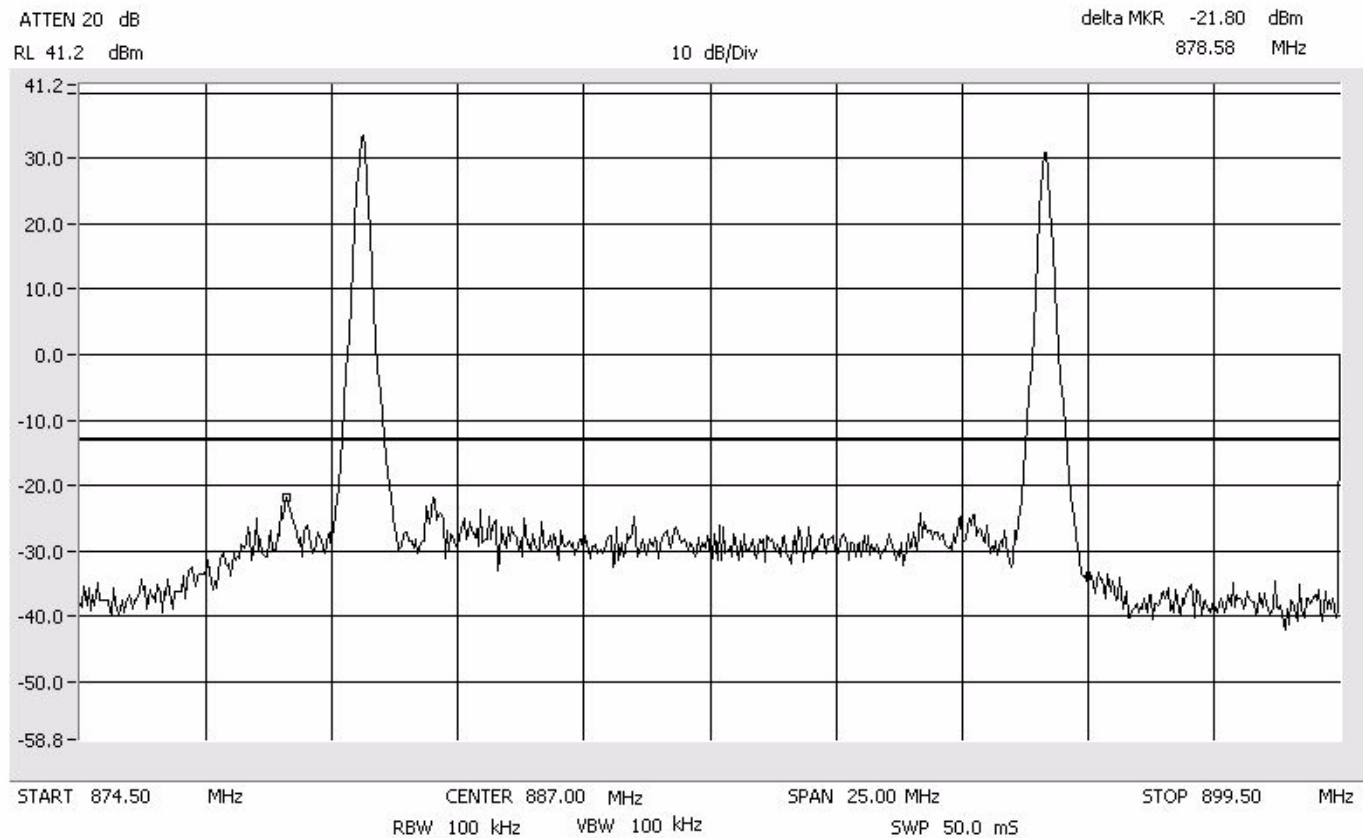




FM
B Band

Intermodulation
Apart
Cellular 800 MHz

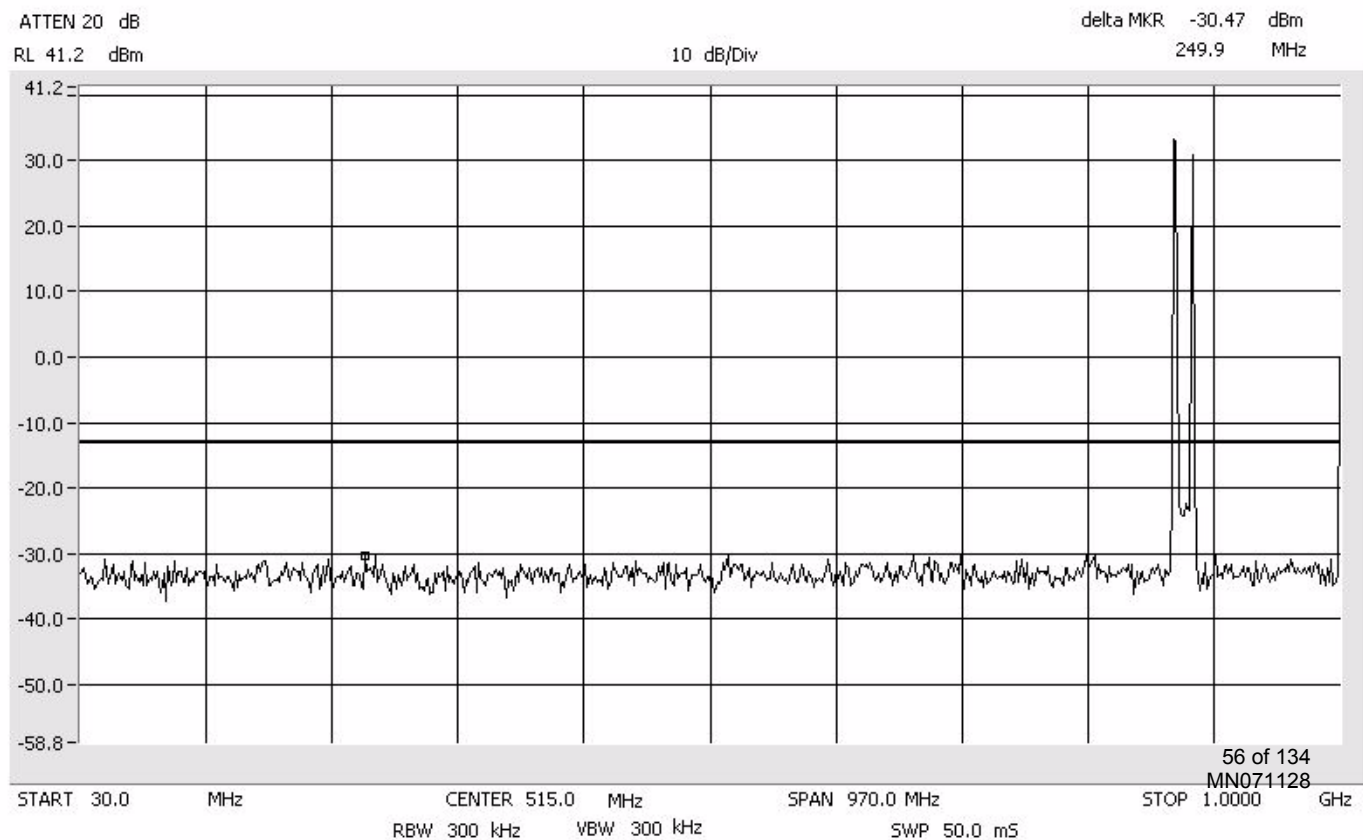
Center: 887.0 MHz
Span: 100 MHz
RBW/VBW: 100 kHz

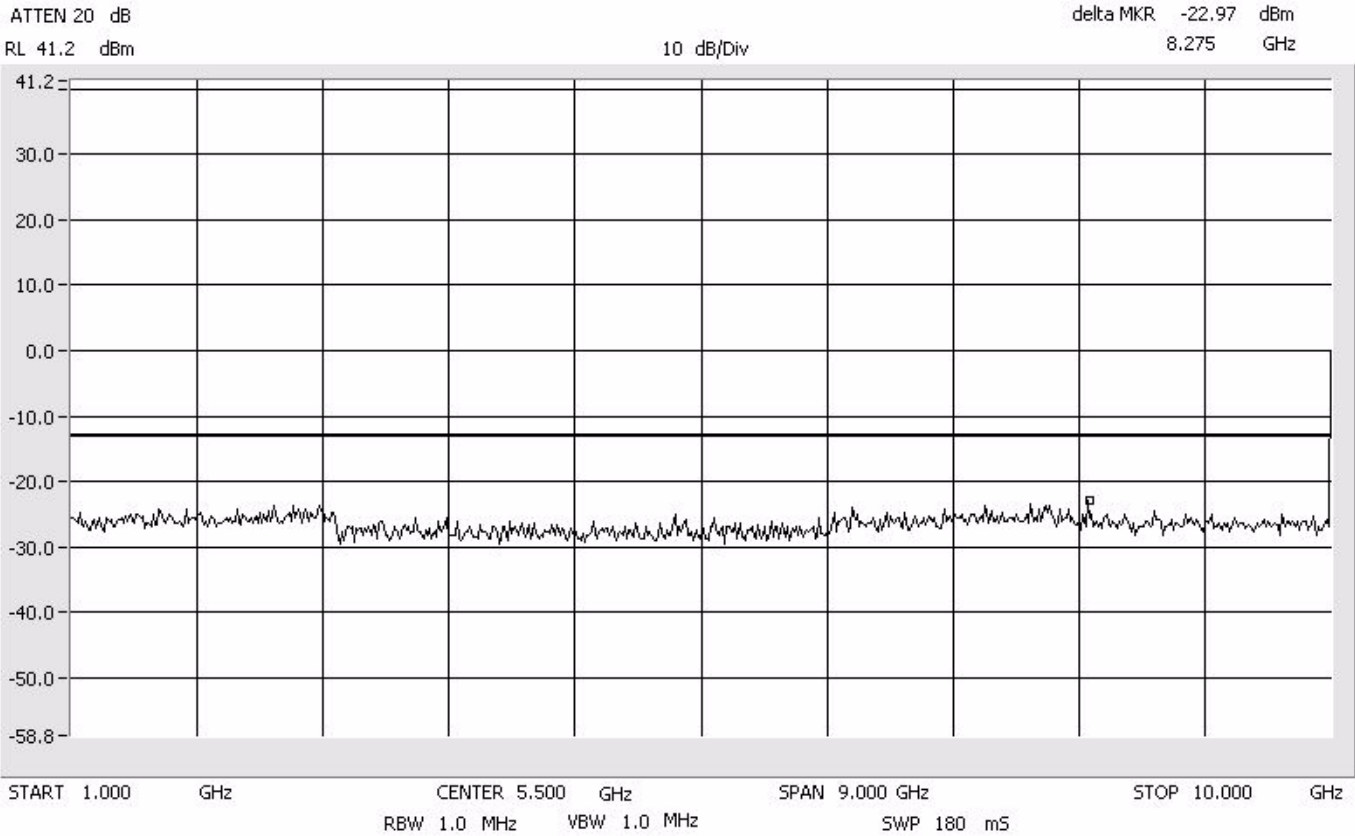


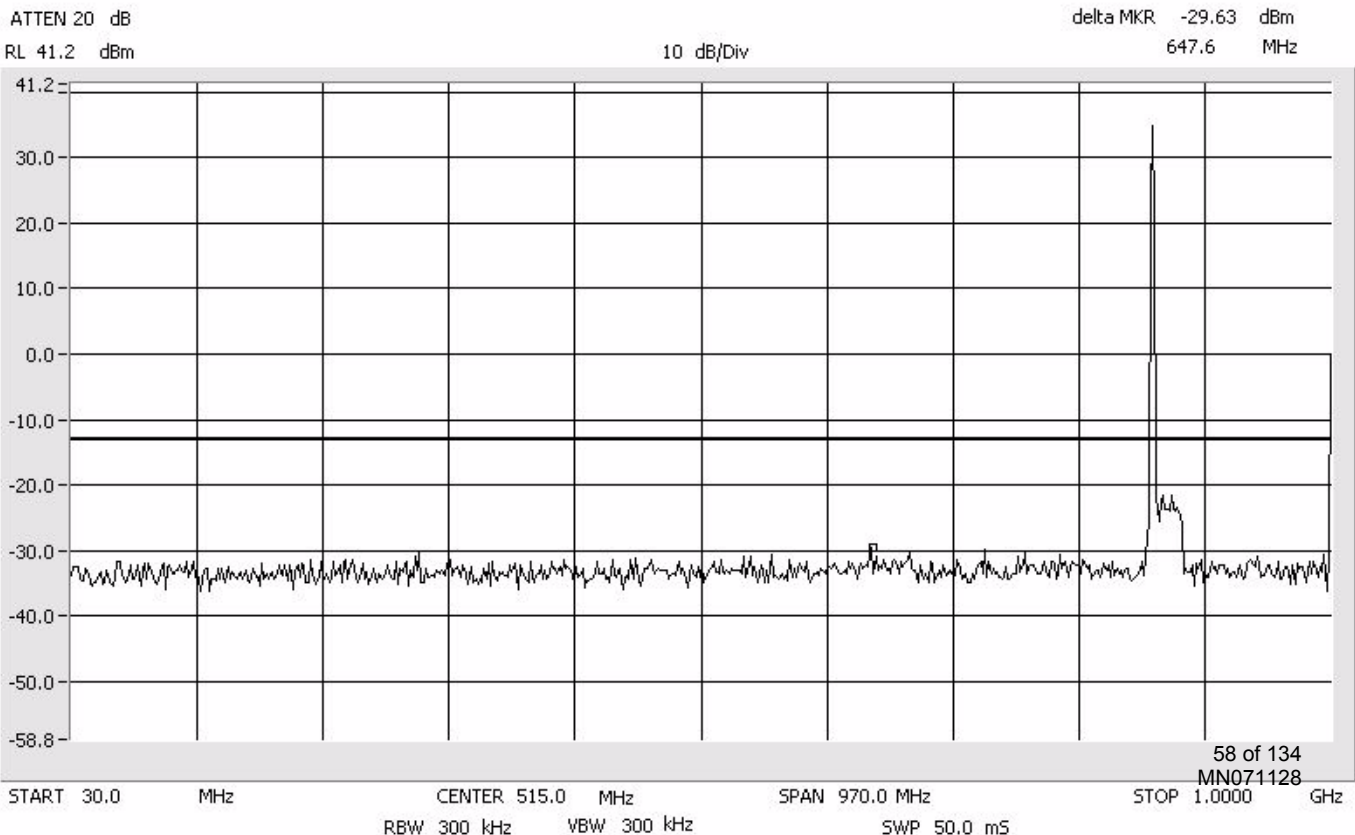
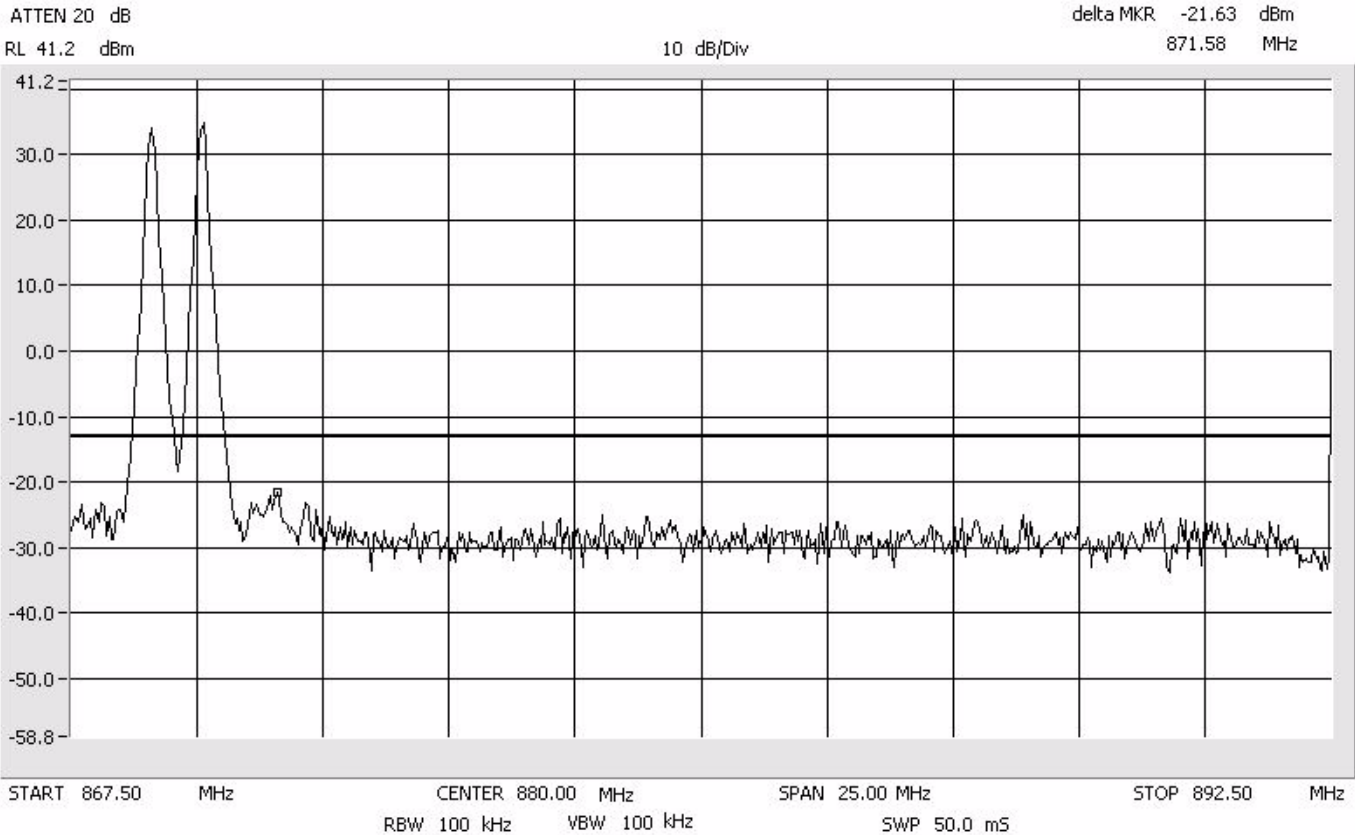
FM
B Band

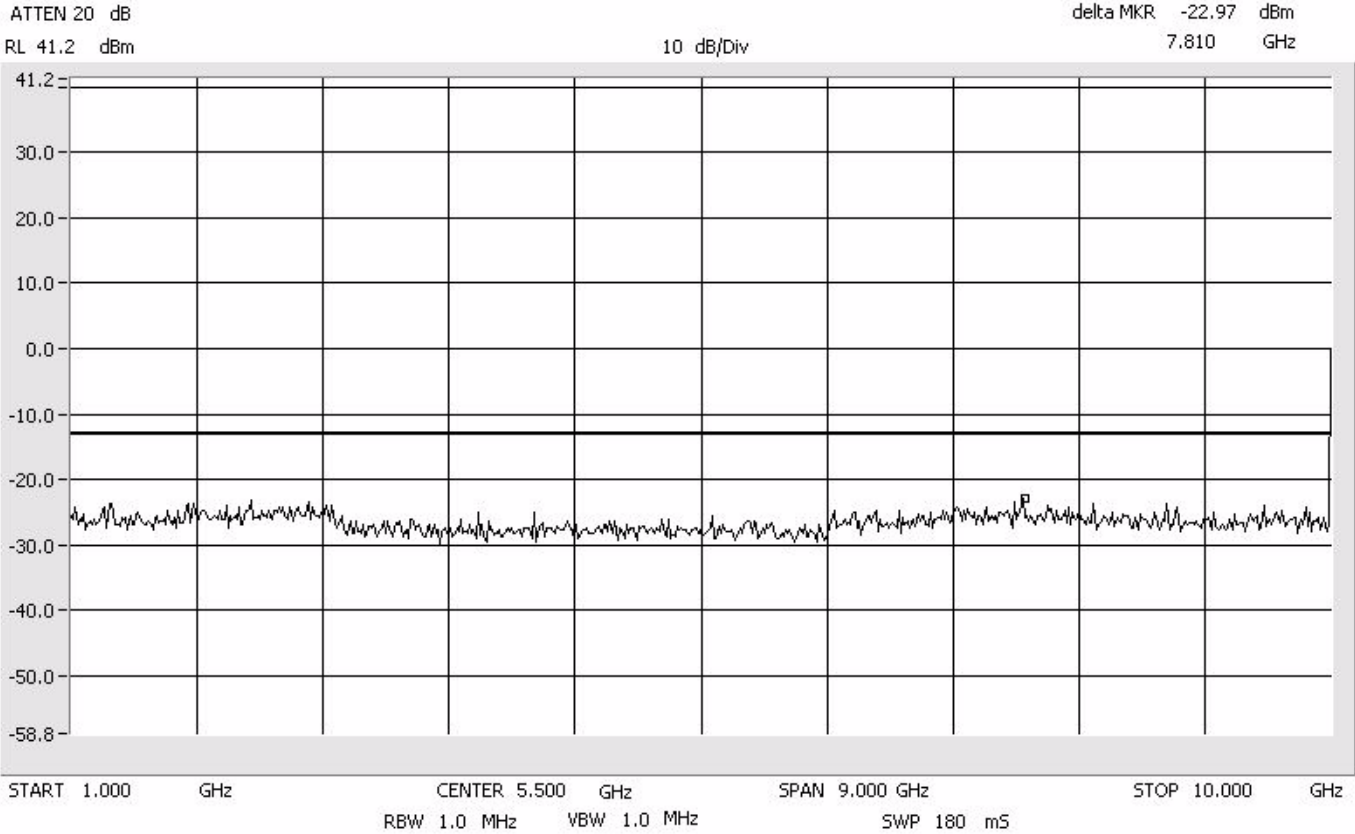
Intermodulation
Apart
Cellular 800 MHz

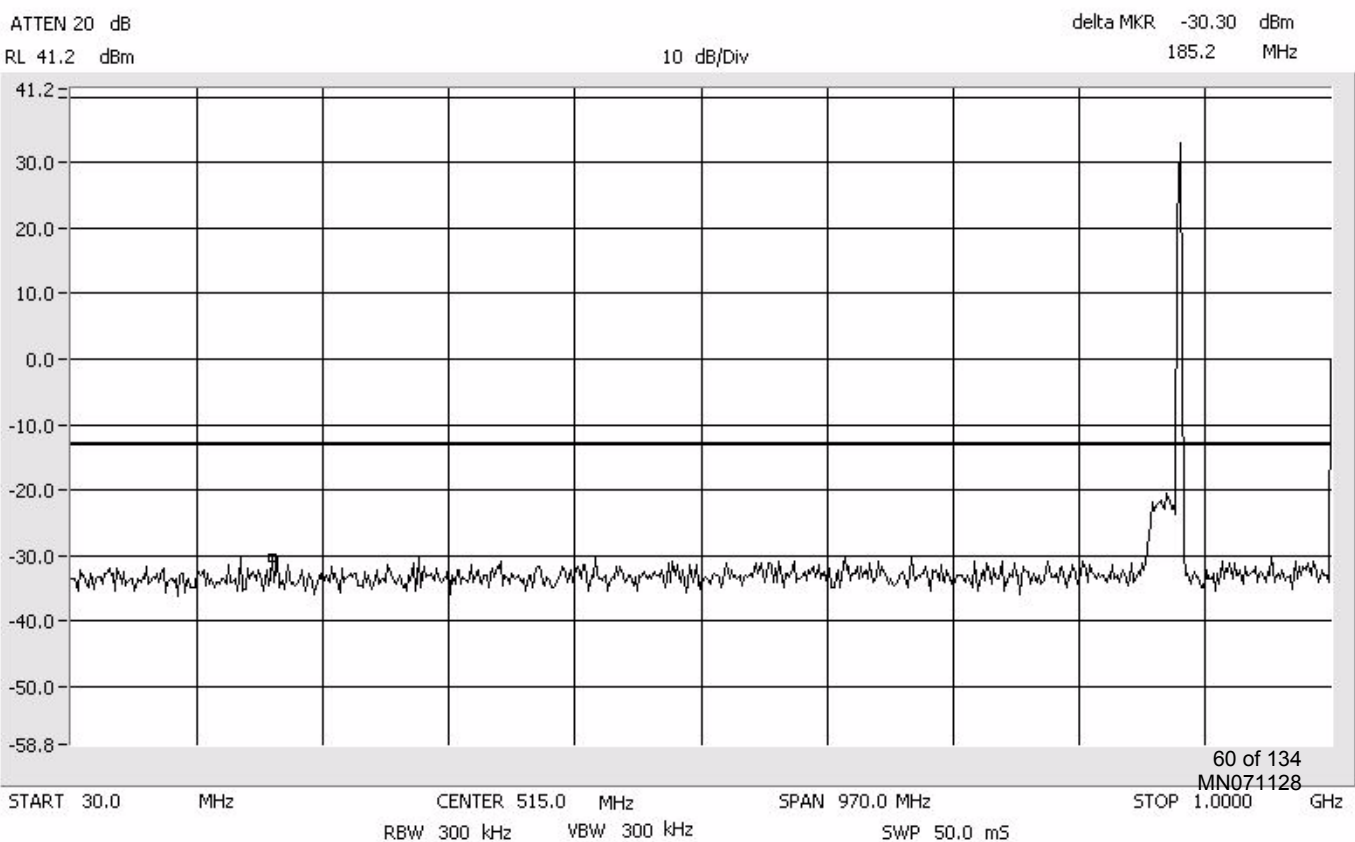
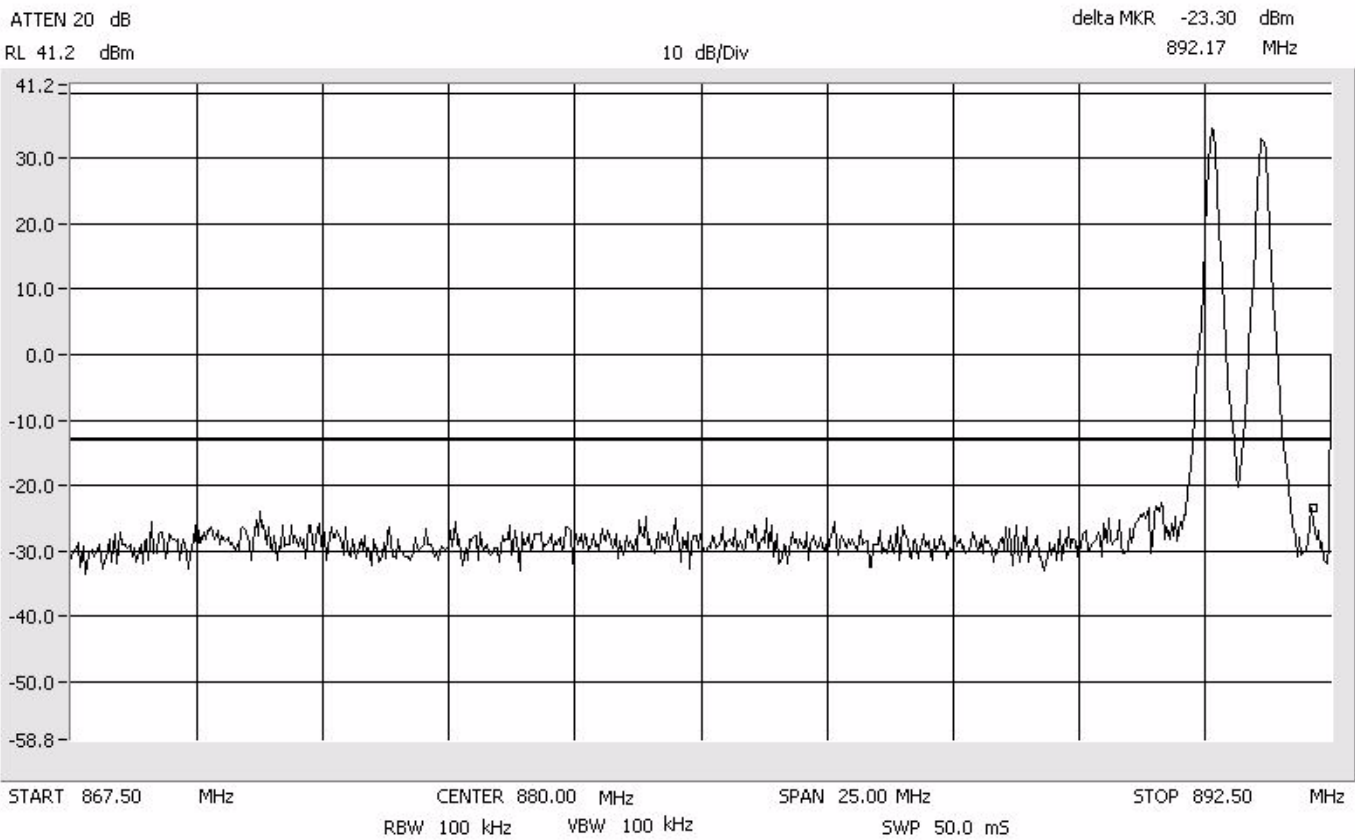
Span: 30 MHz to 1 GHz
RBW/VBW: 300 kHz

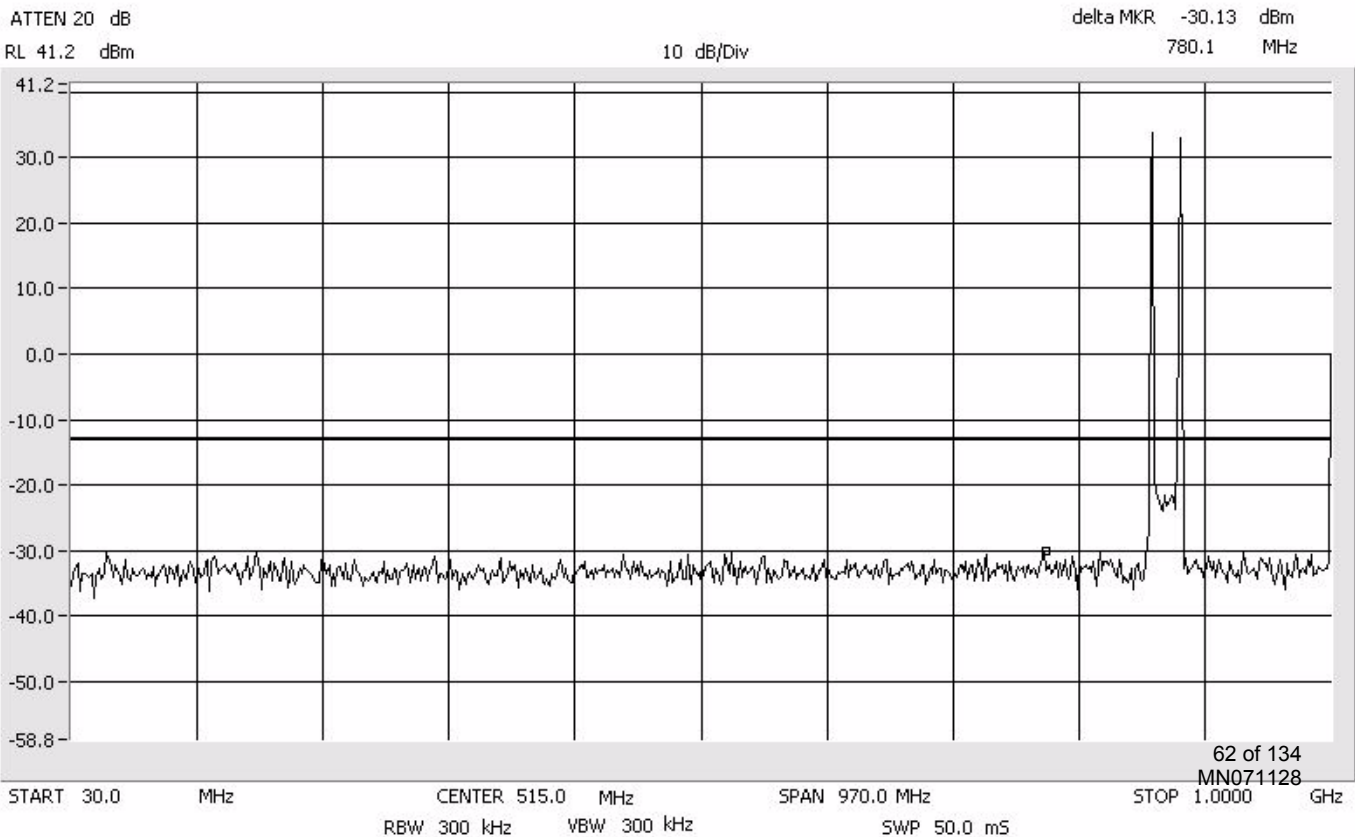
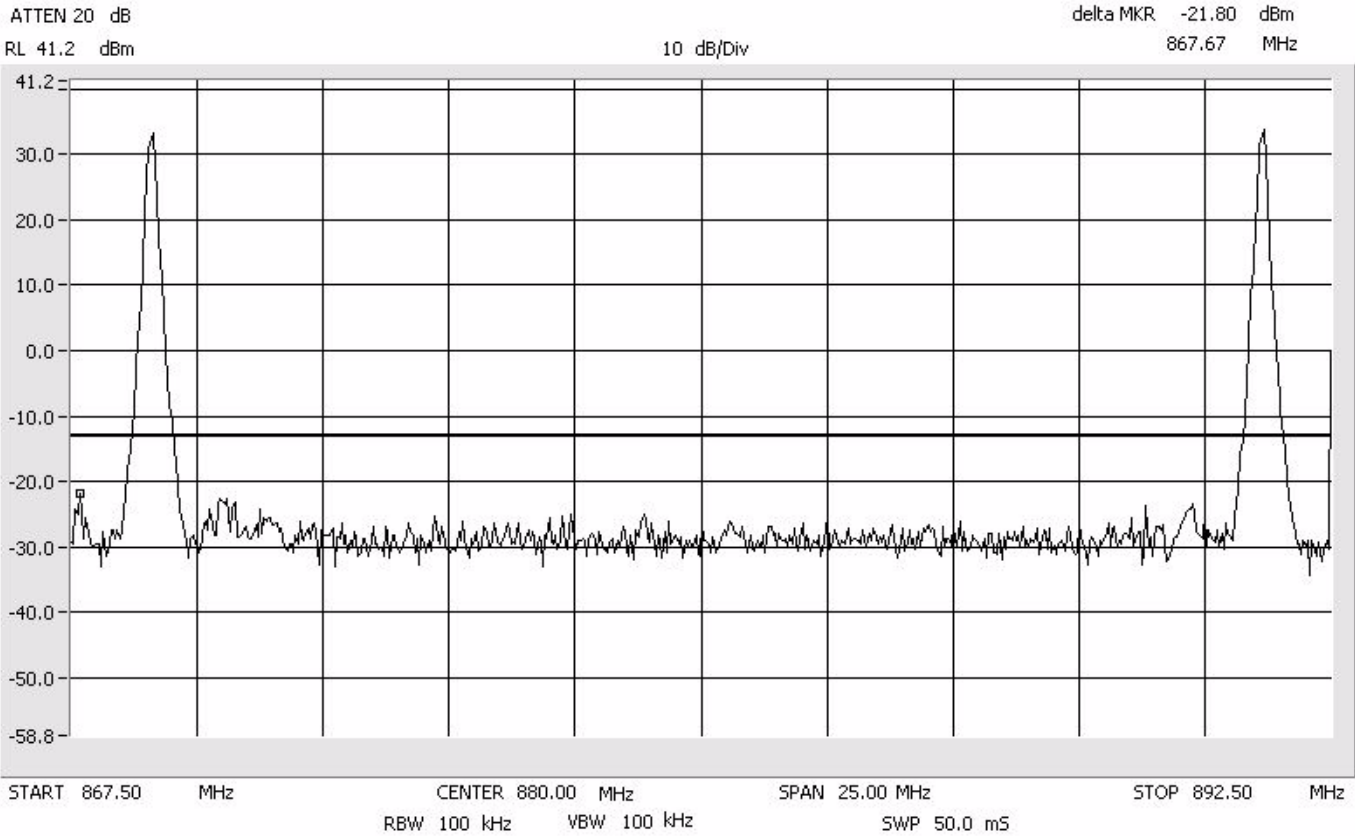


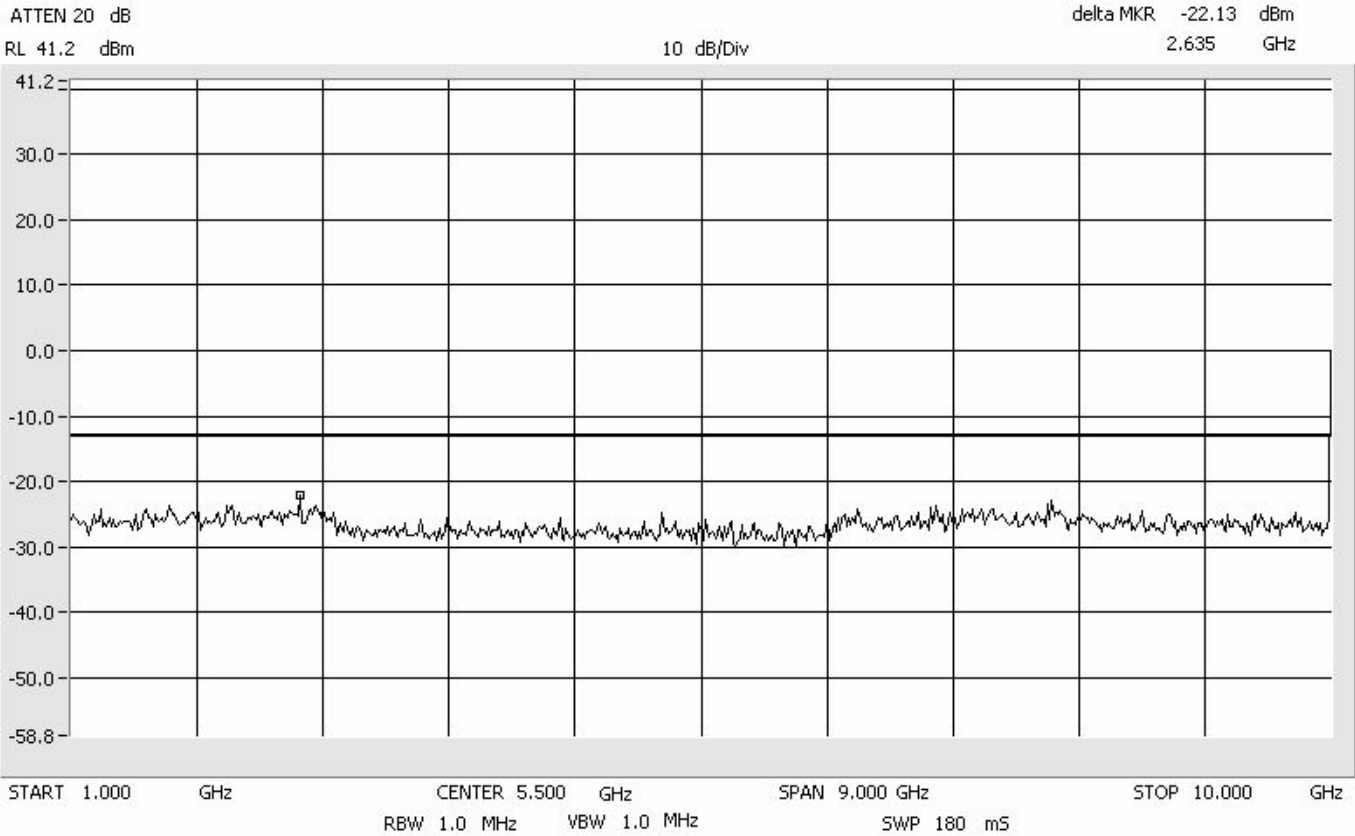


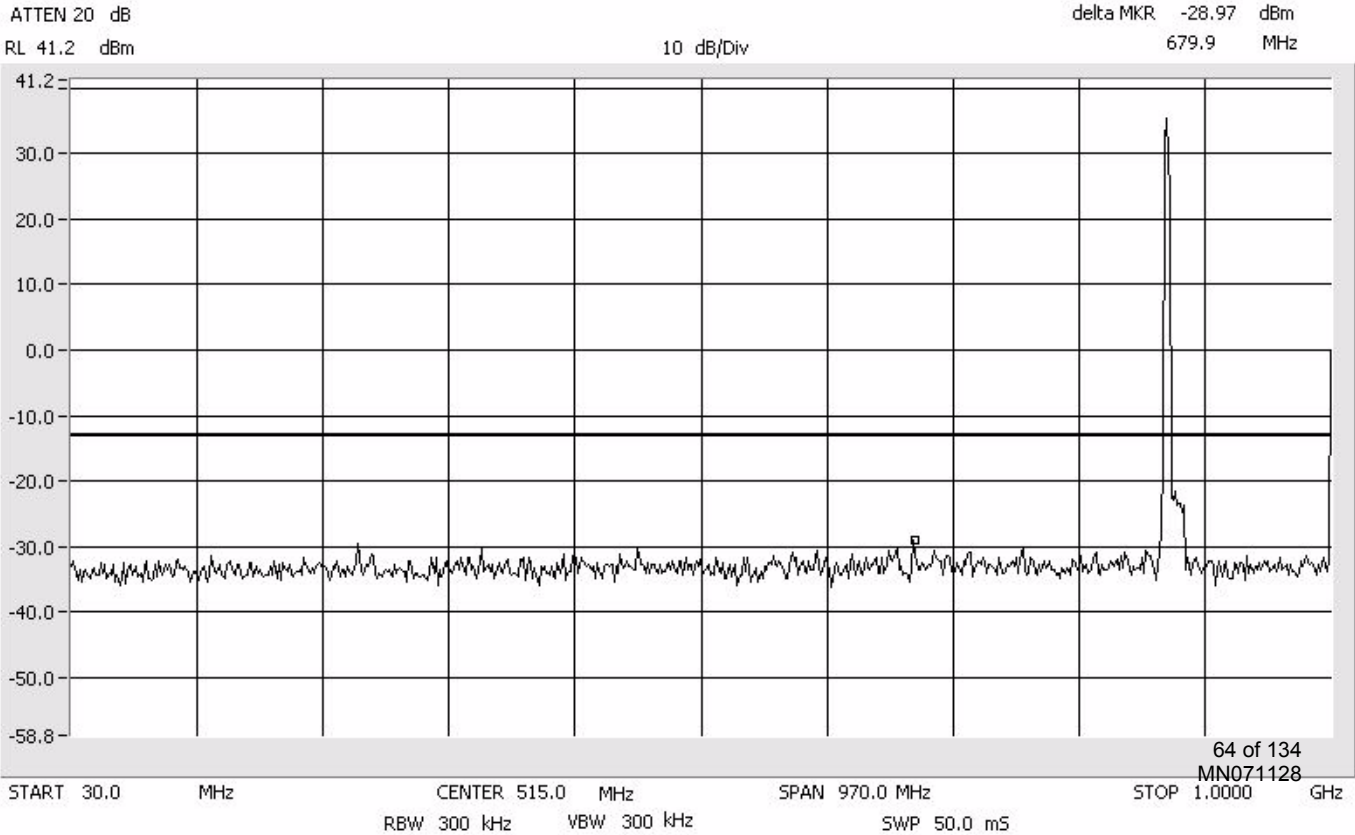
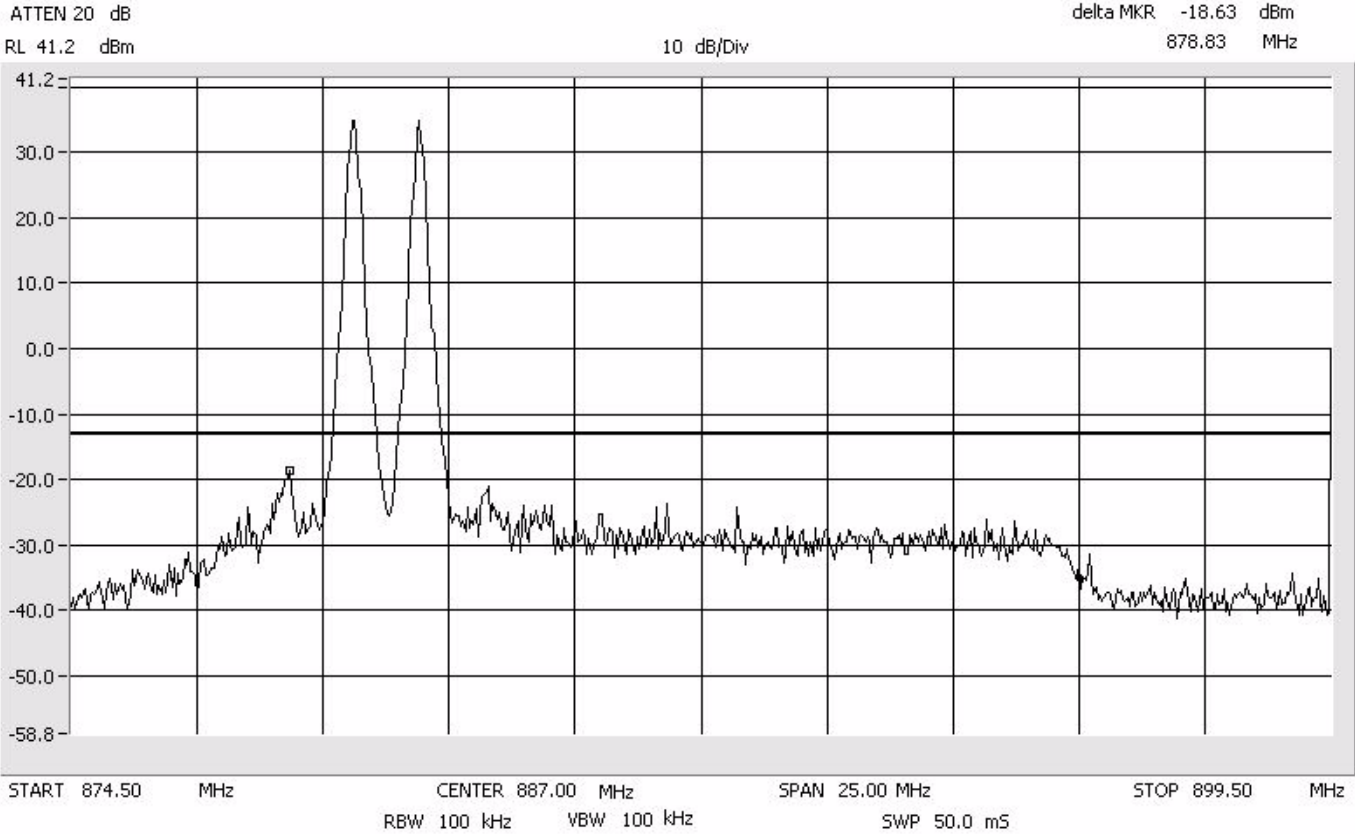


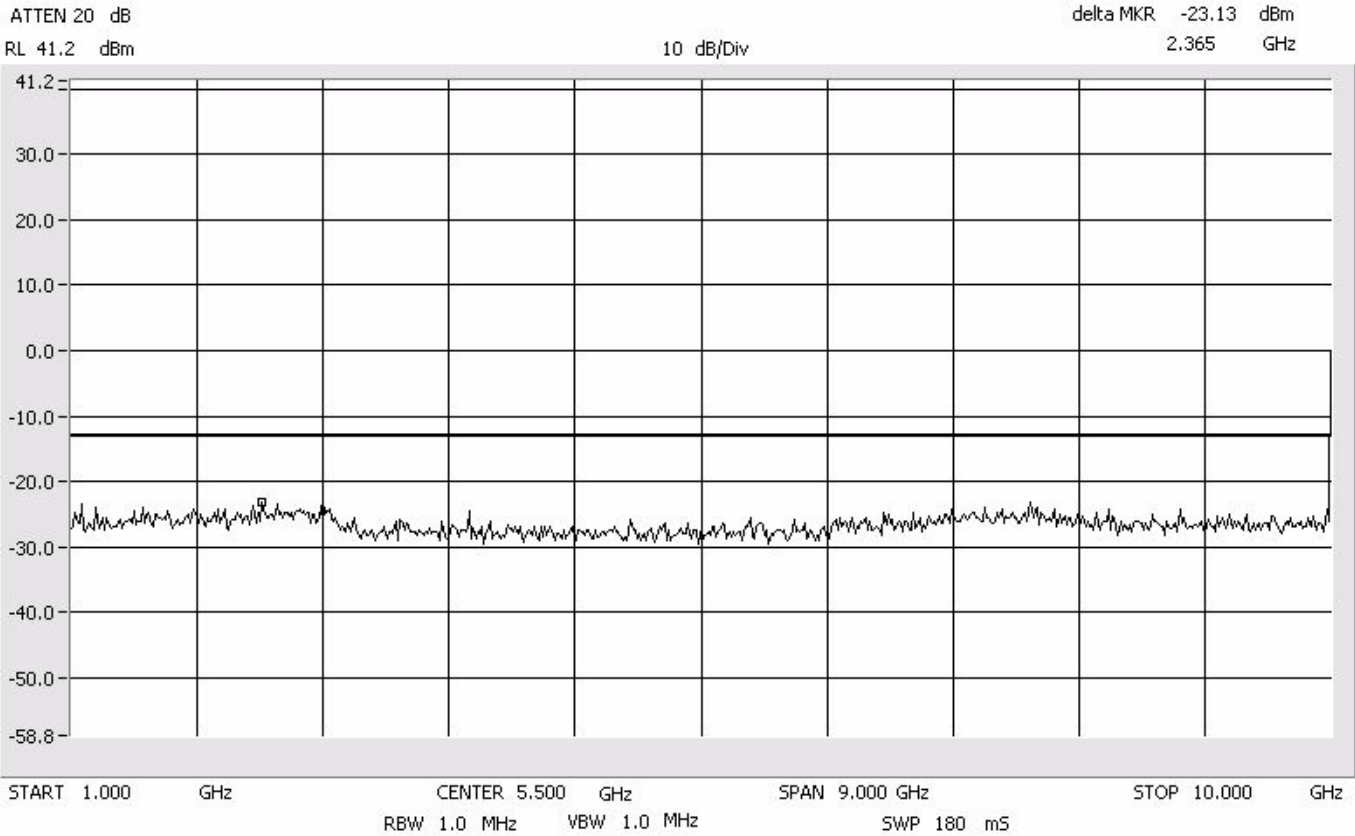


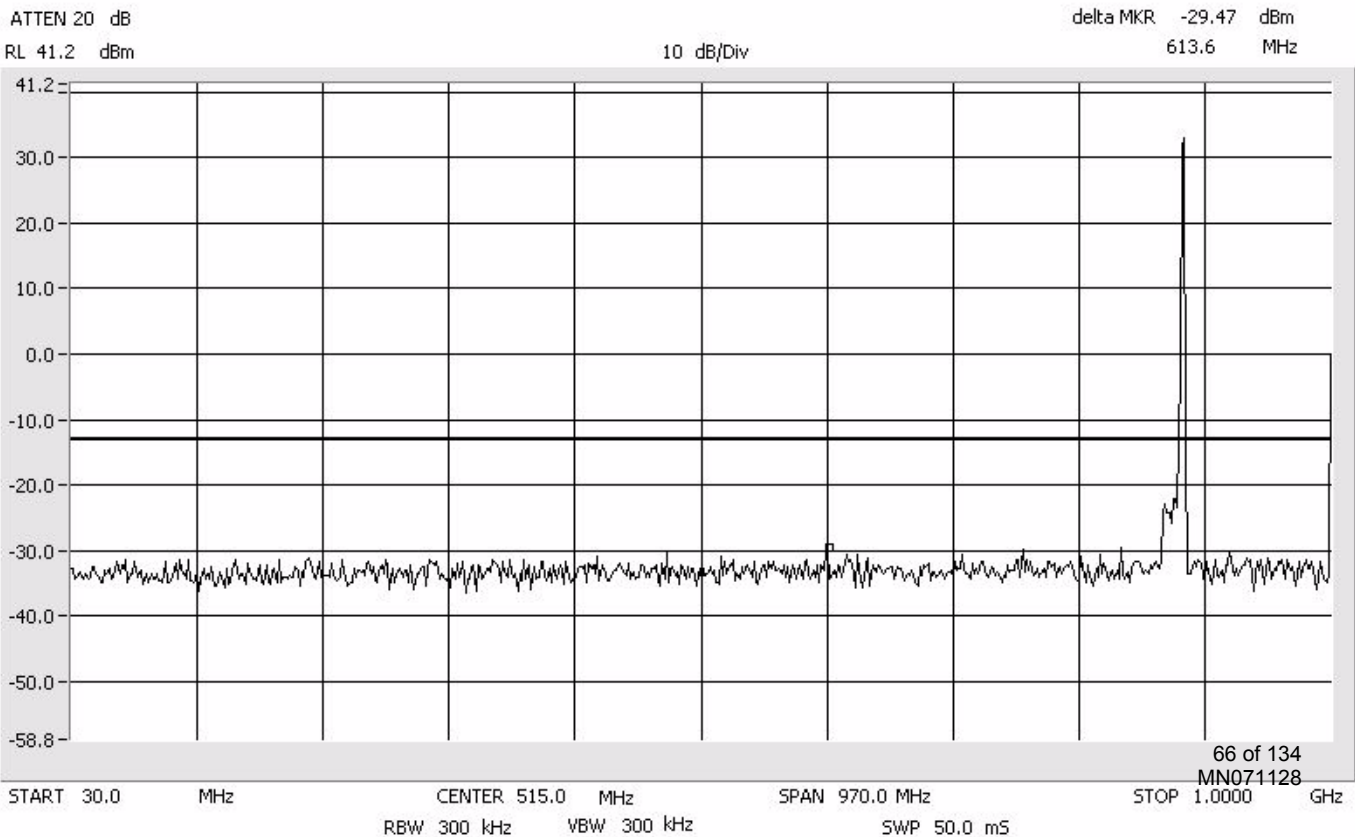
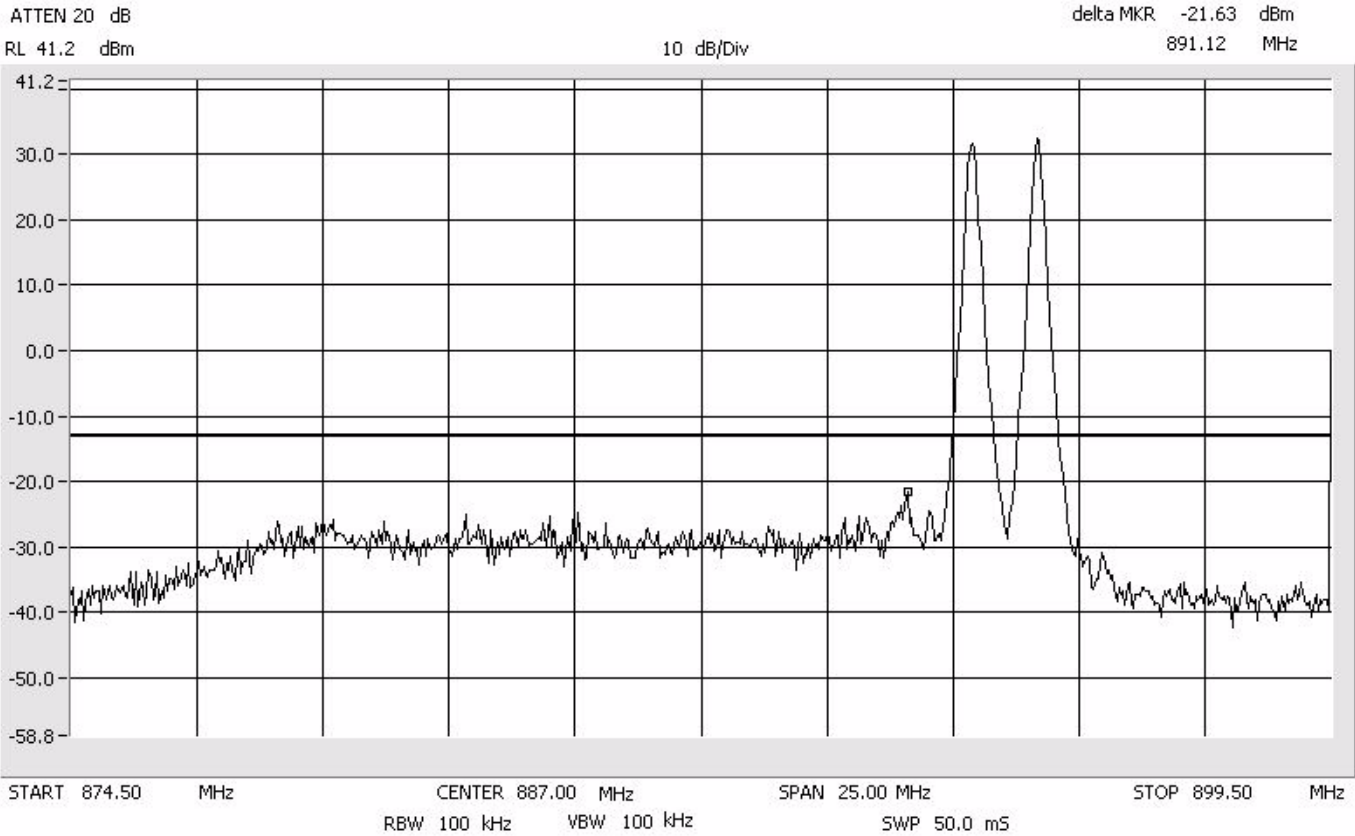


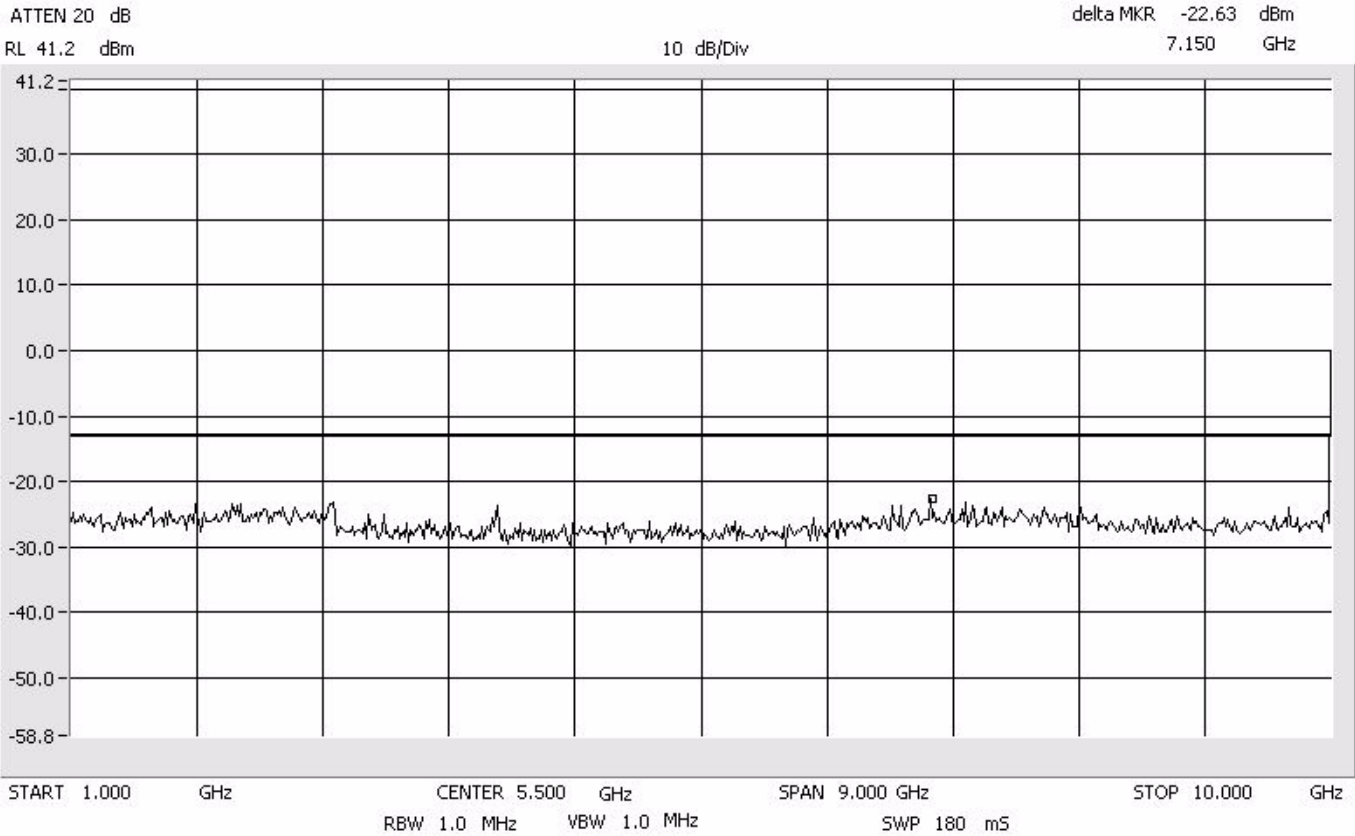








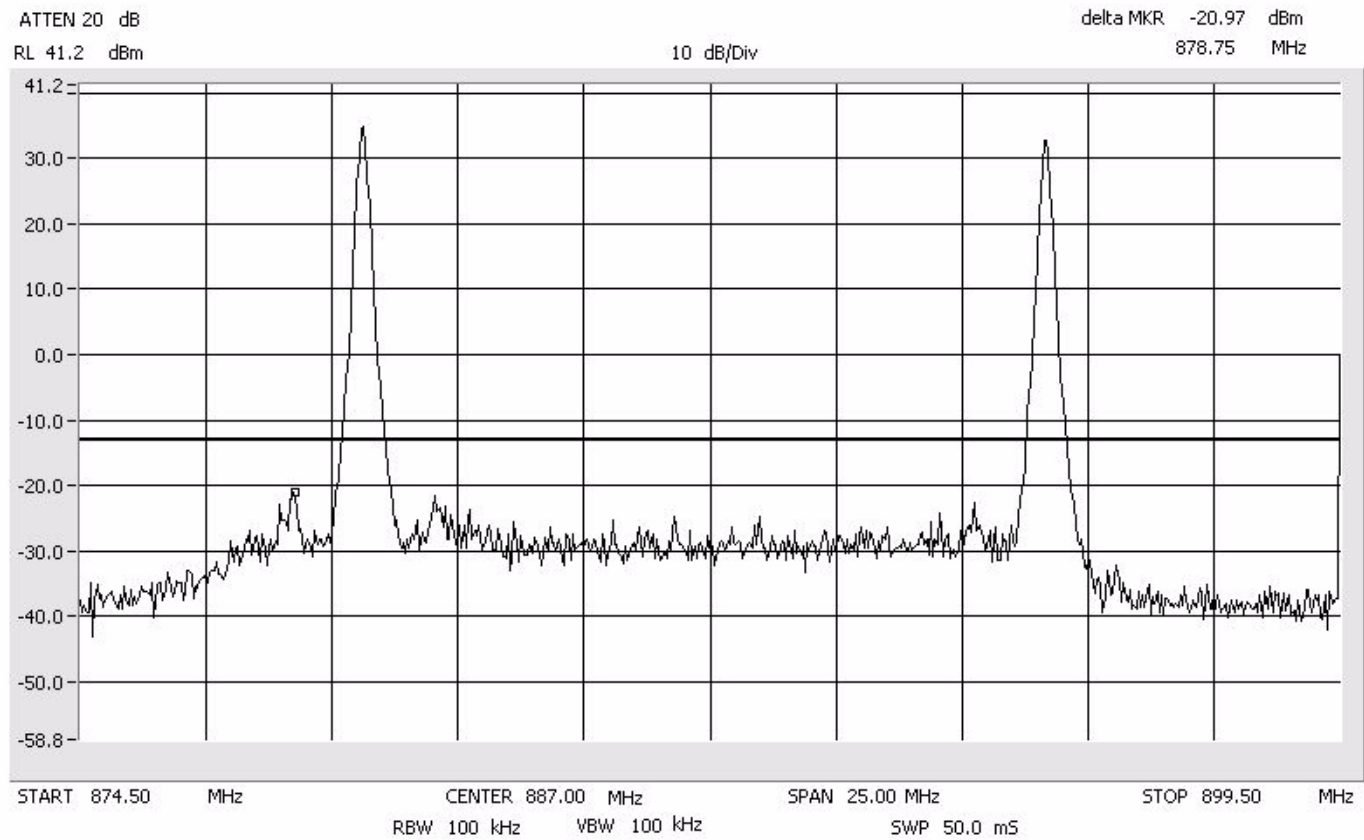




TDMA
B Band

Intermodulation
Apart
Cellular 800 MHz

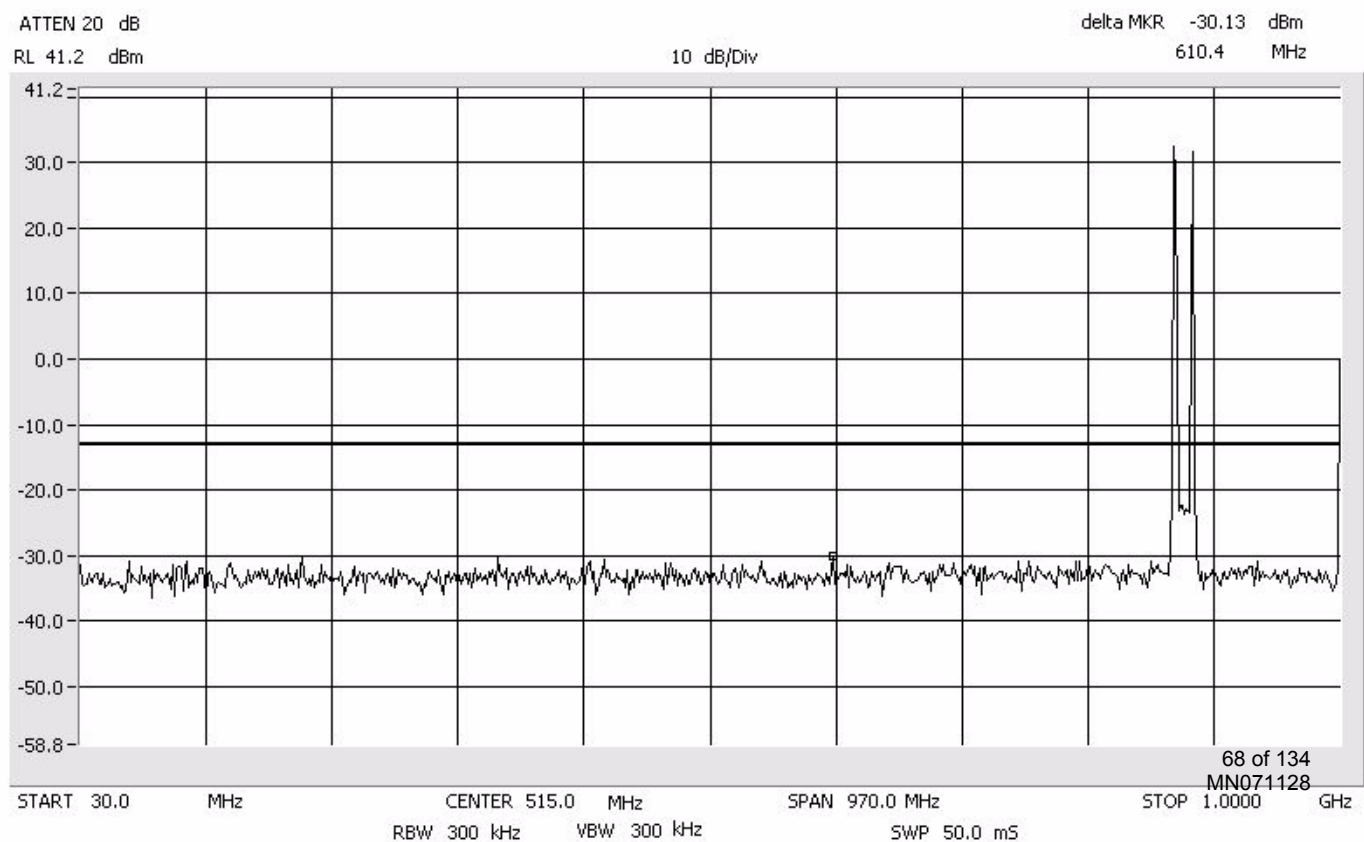
Center: 887.0 MHz
Span: 100 MHz
RBW/VBW: 100 kHz

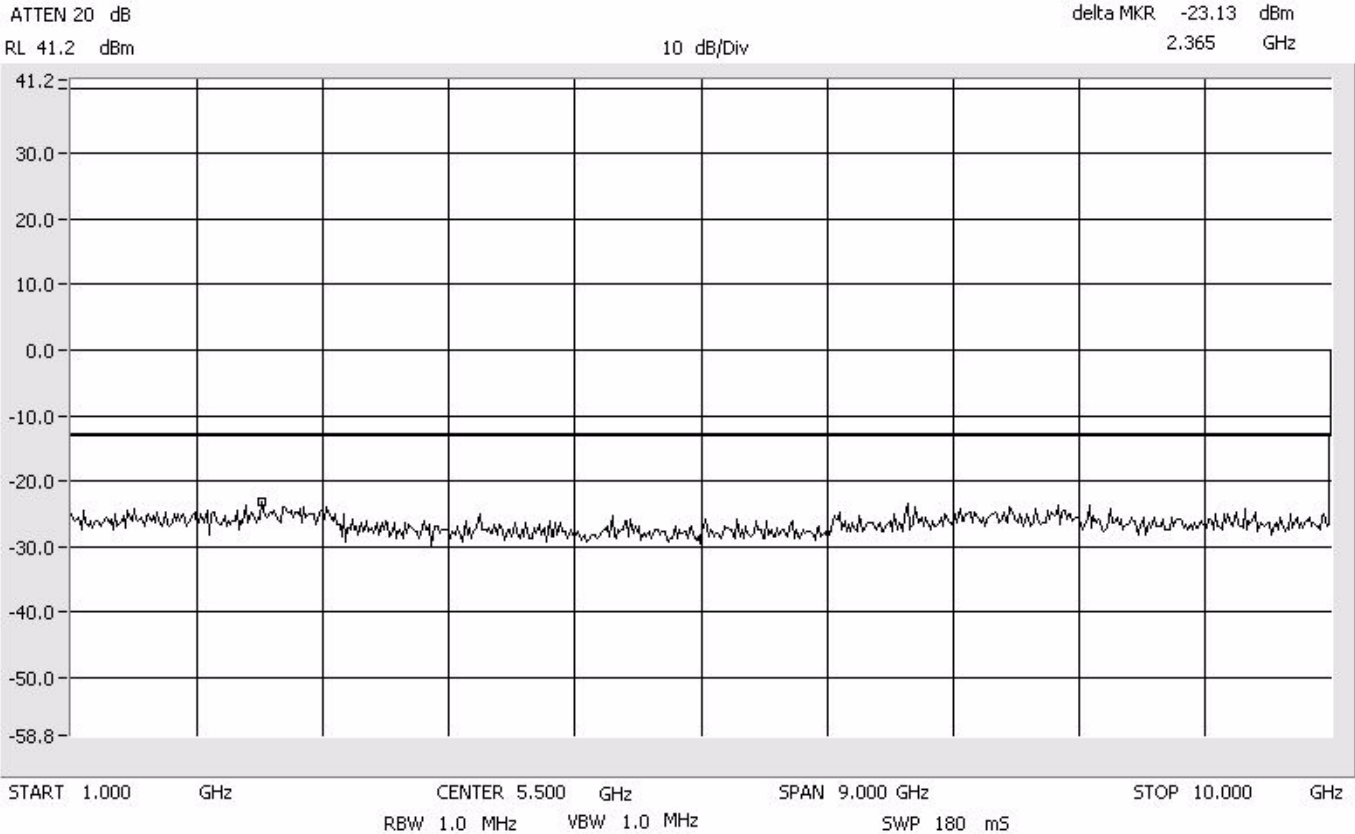


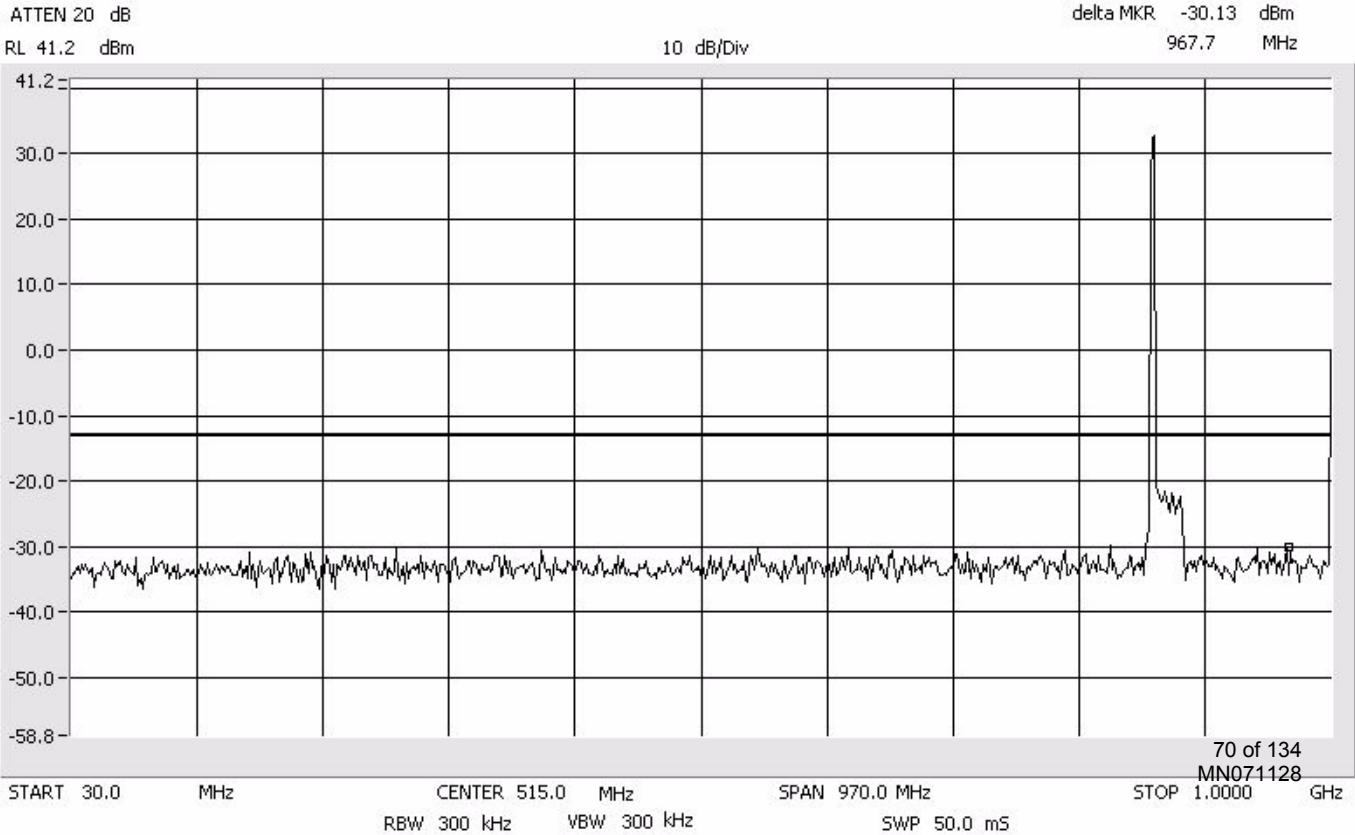
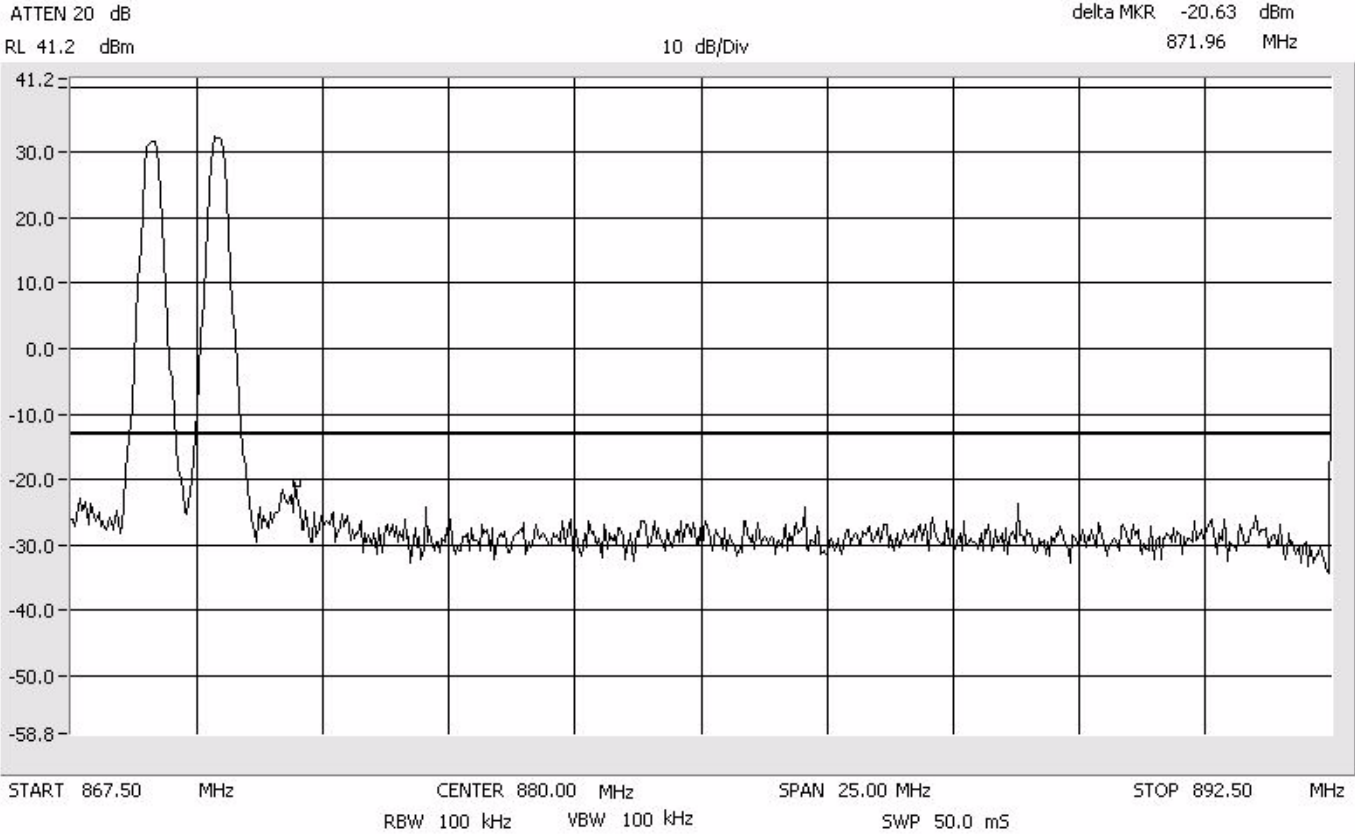
TDMA
B Band

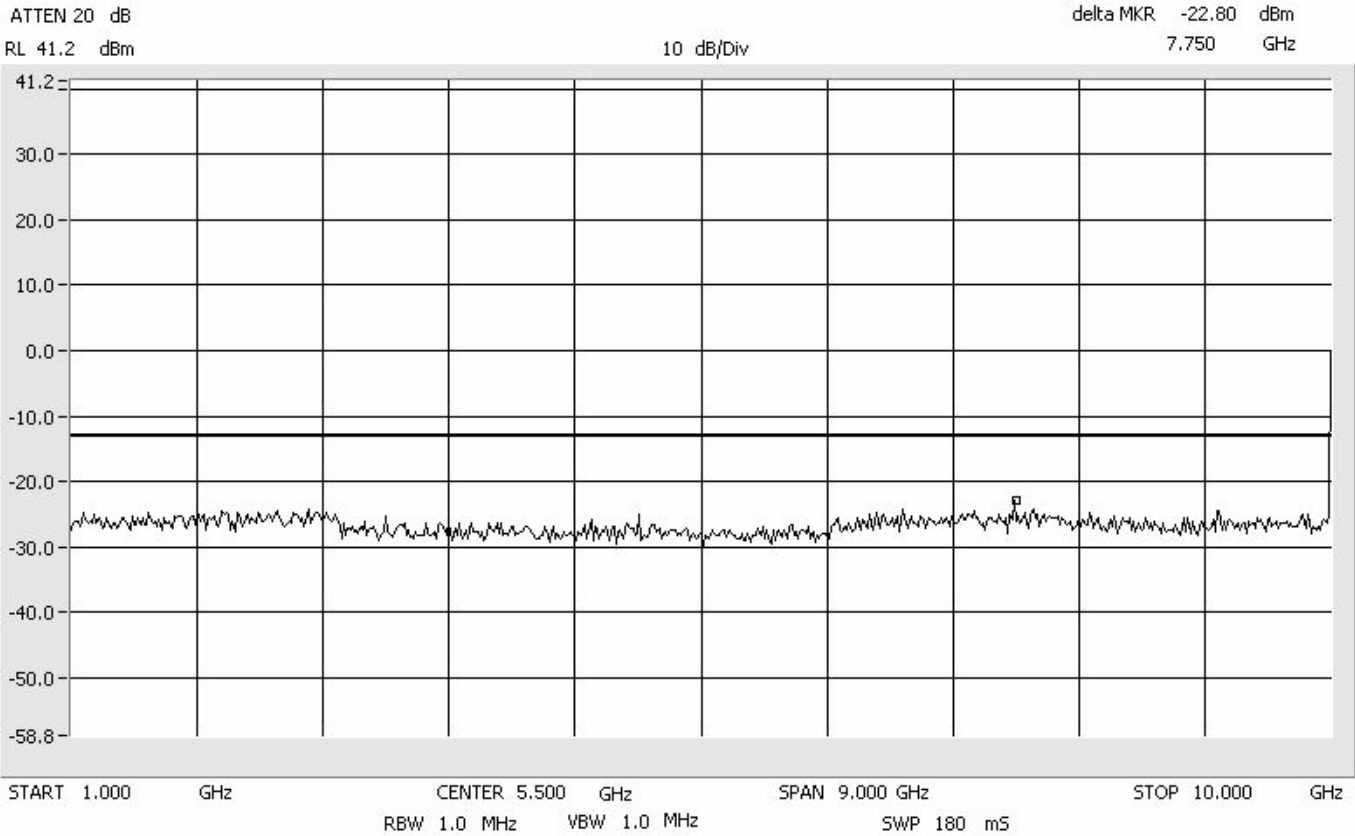
Intermodulation
Apart
Cellular 800 MHz

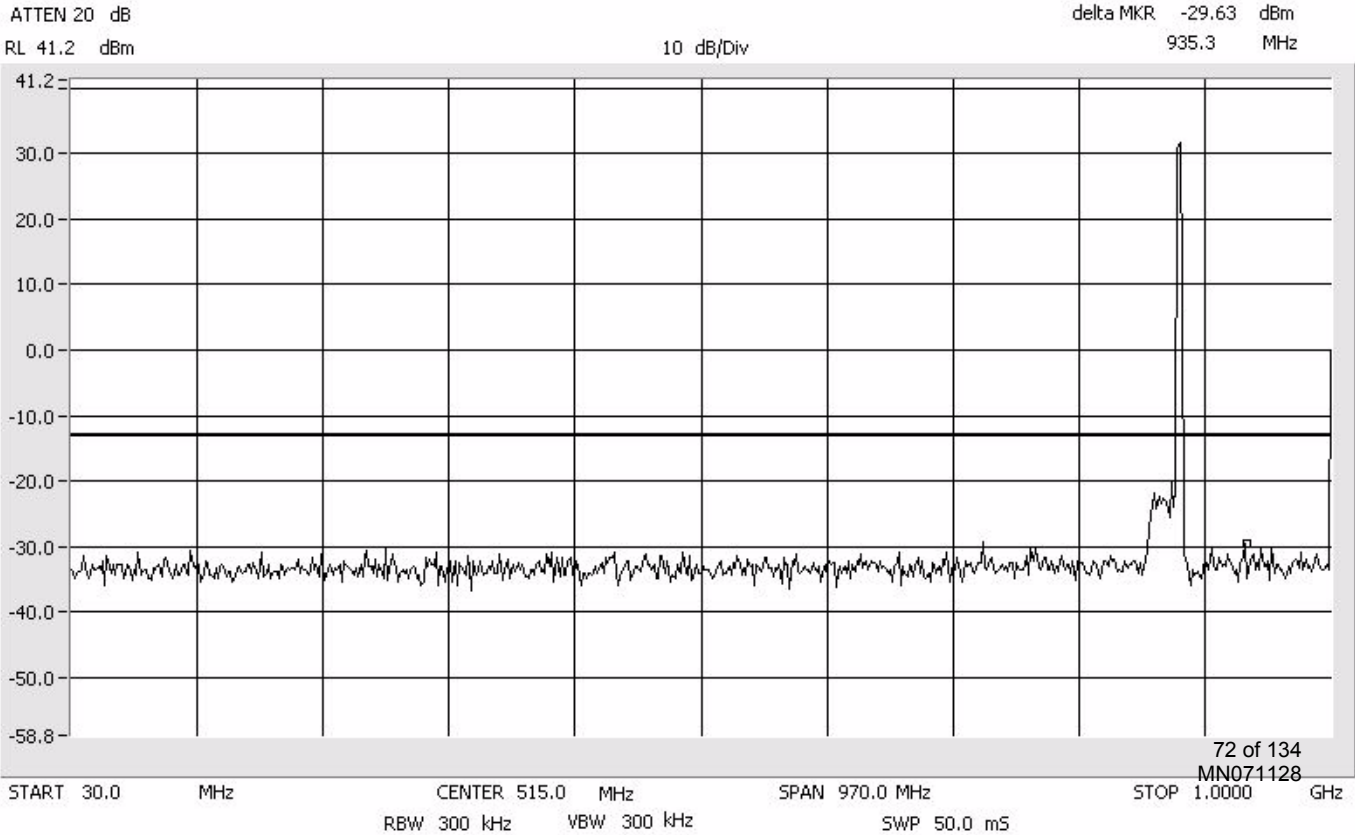
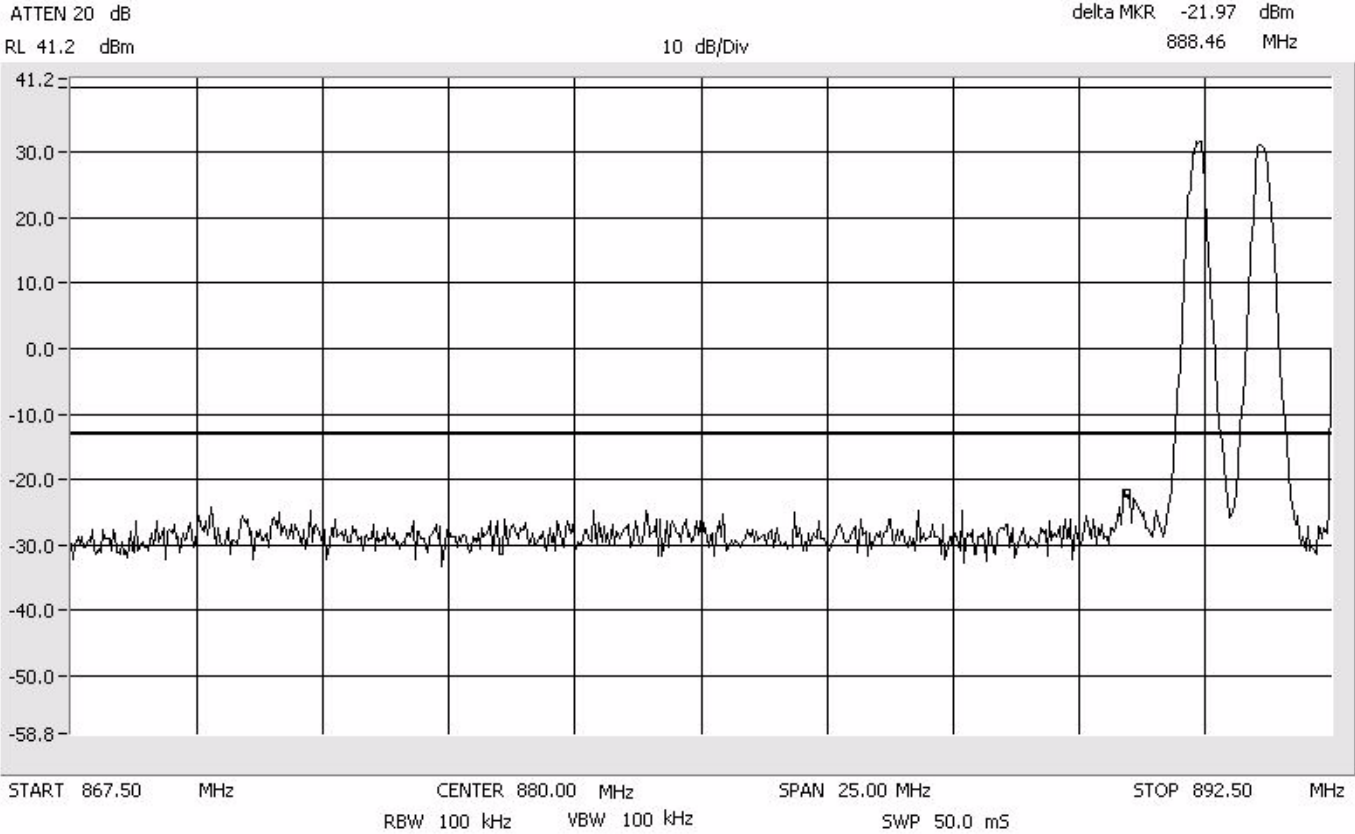
Span: 30 MHz to 1 GHz
RBW/VBW: 300 kHz

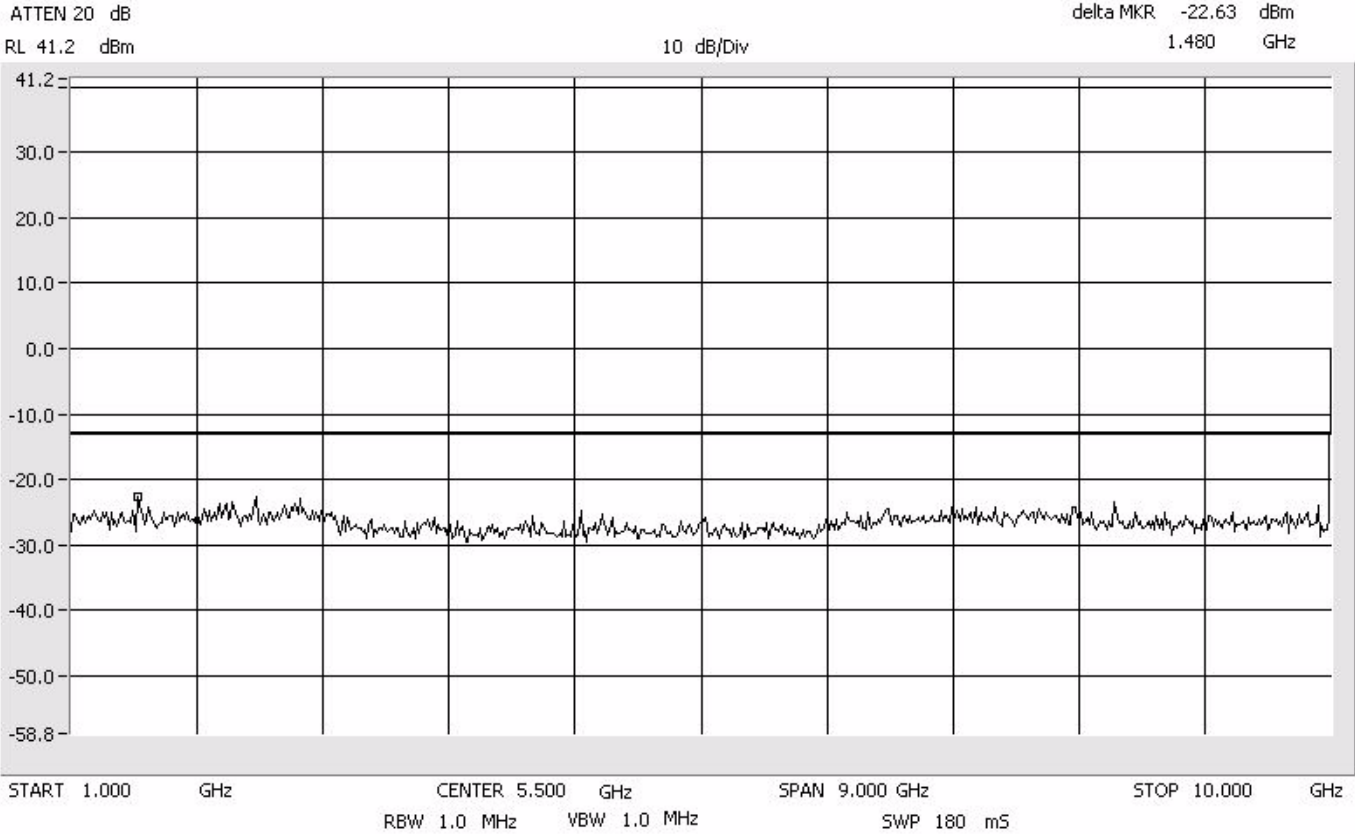


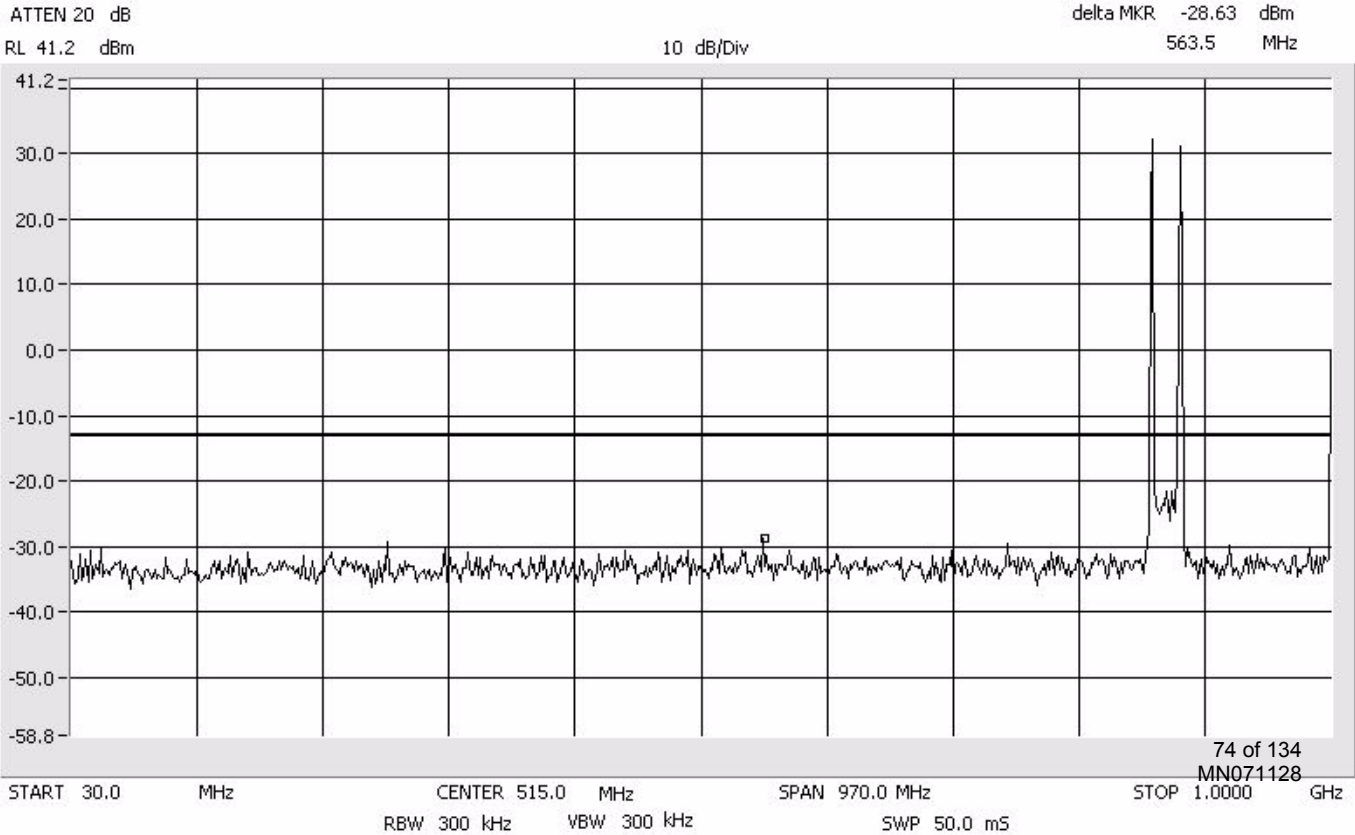
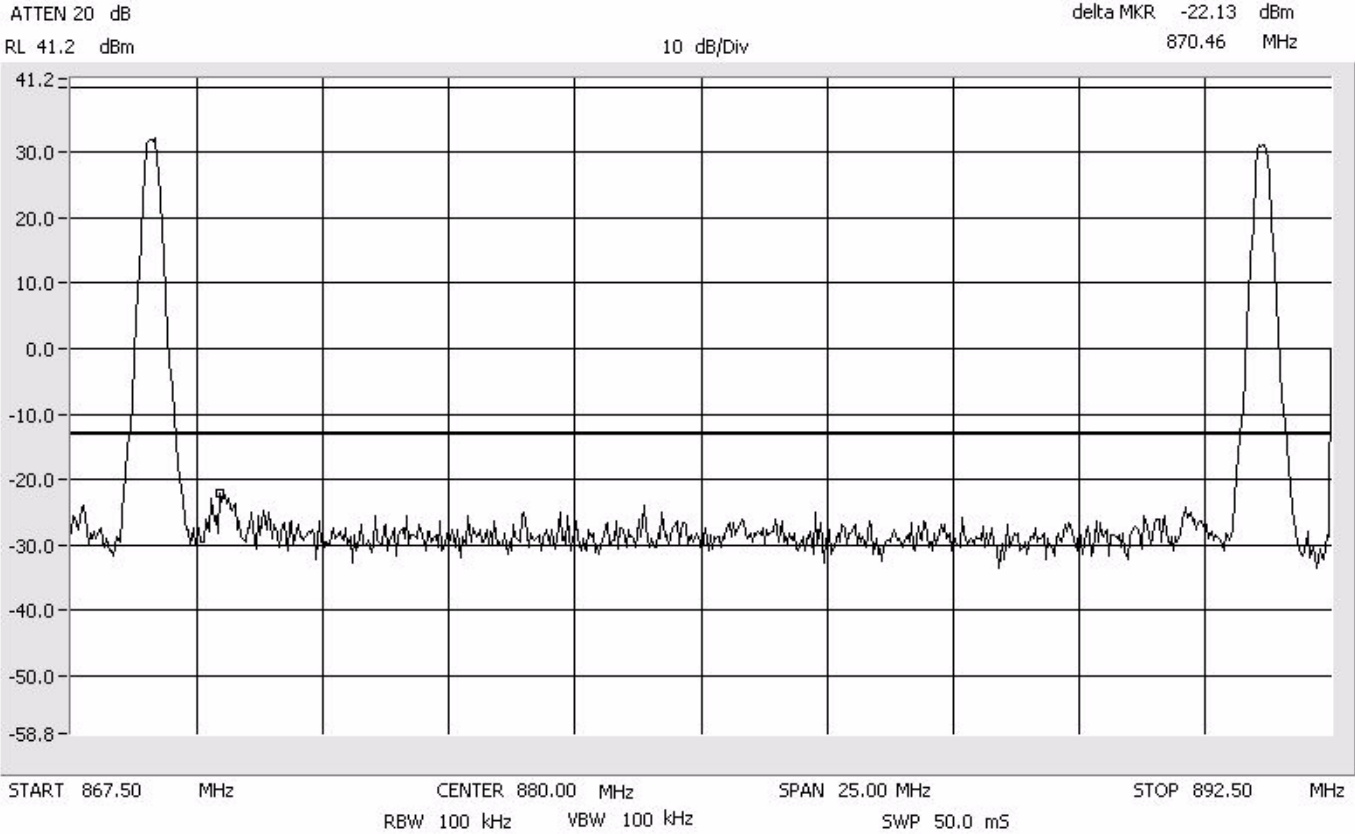


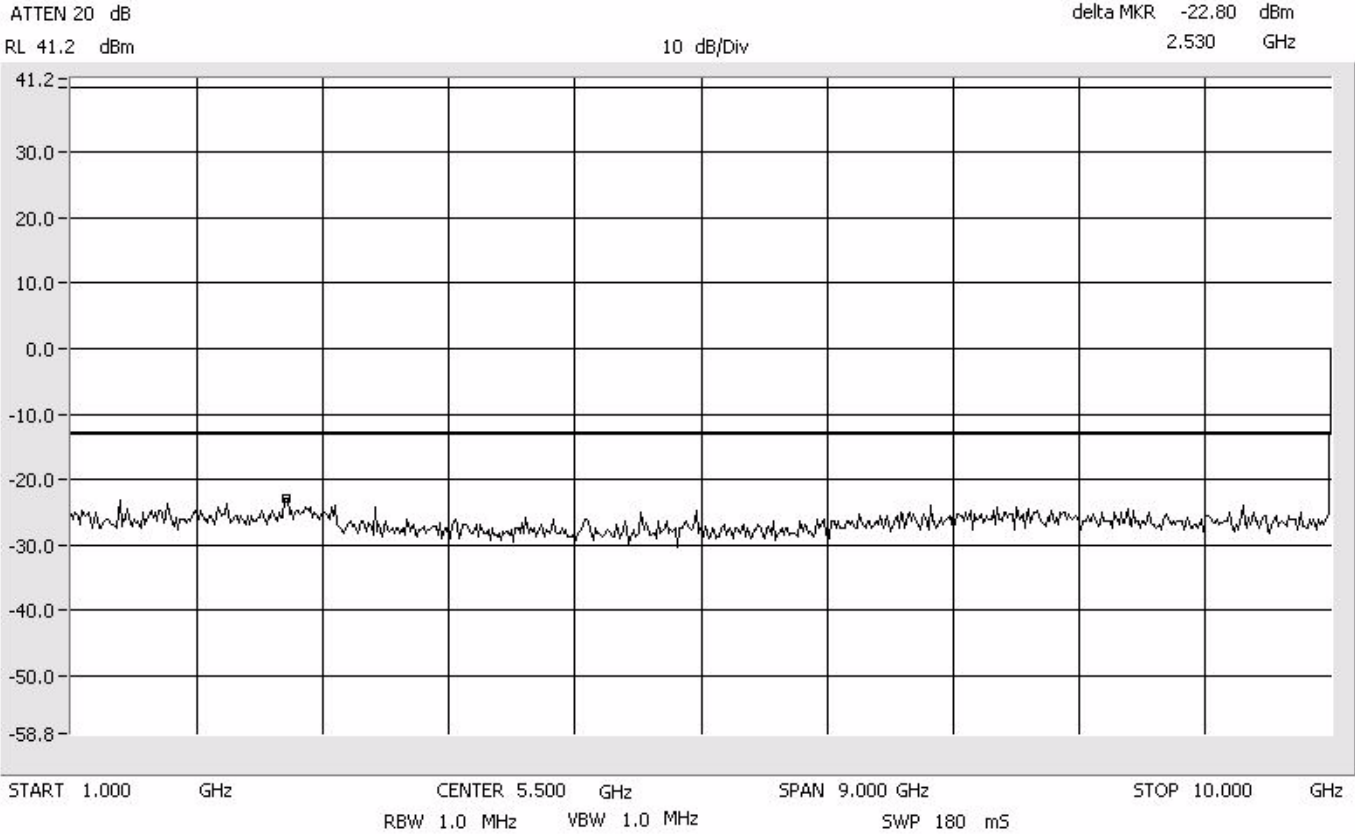








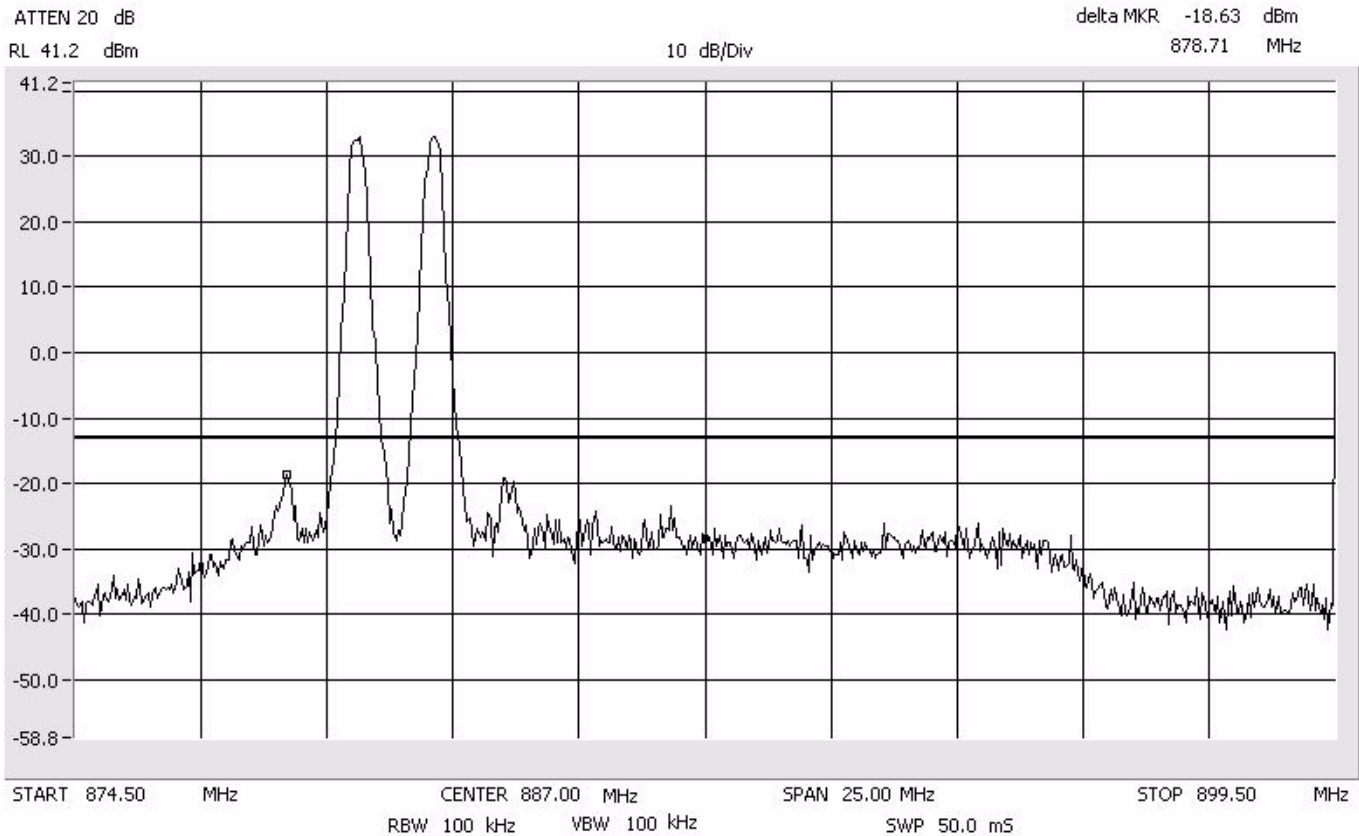




GSM
B Band

Intermodulation
Close - Lower
Cellular 800 MHz

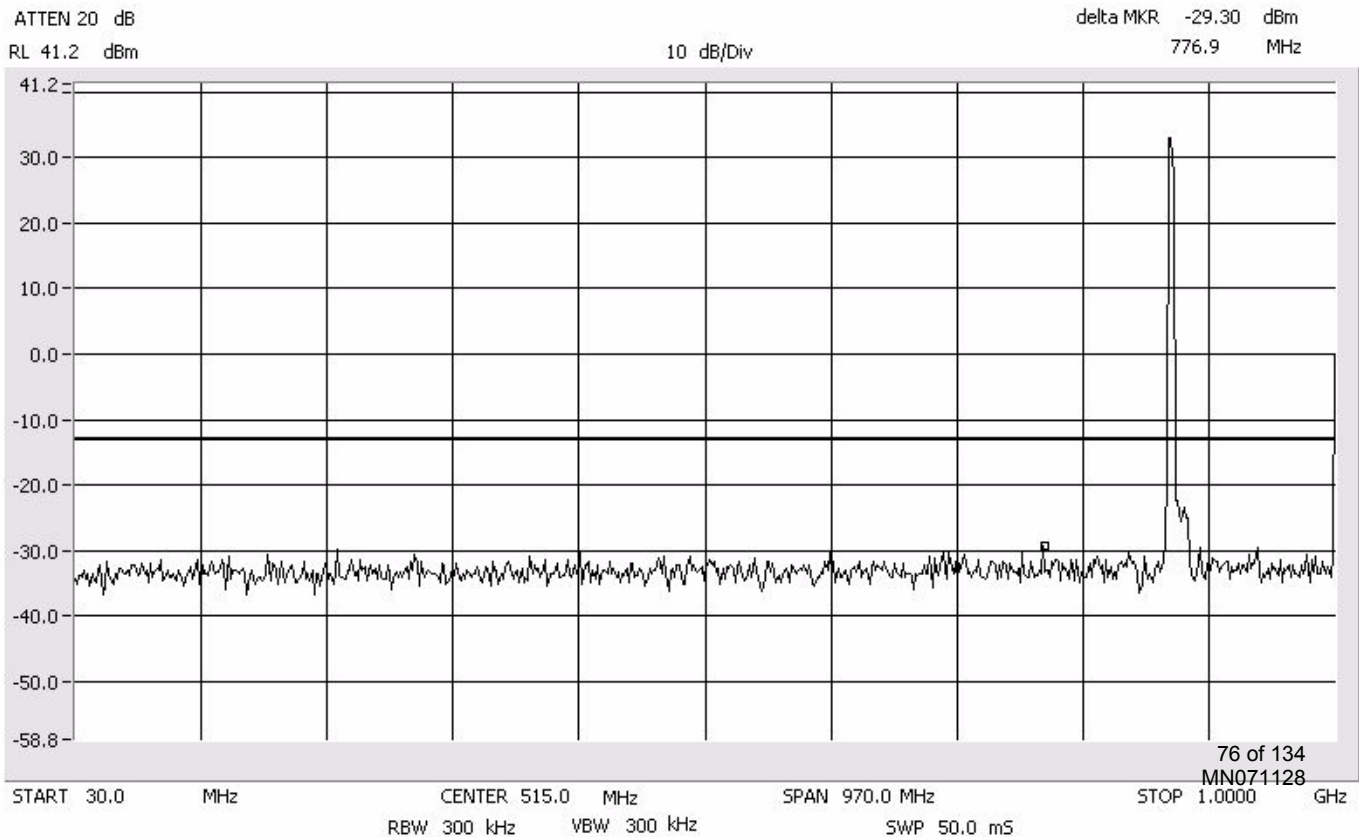
Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz

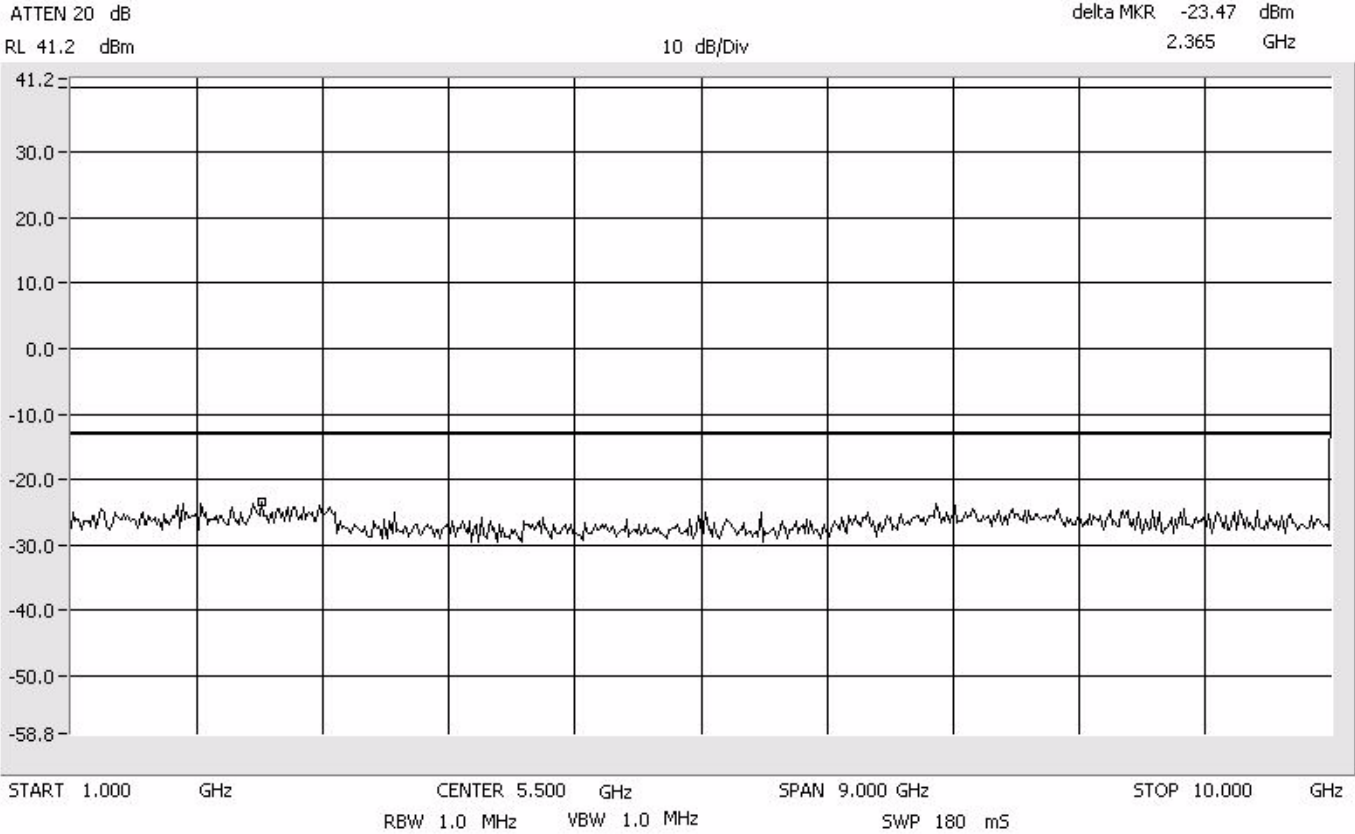


GSM
B Band

Intermodulation
Close - Lower
Cellular 800 MHz

Span: 30 MHz to 1 GHz
RBW/VBW: 300 kHz

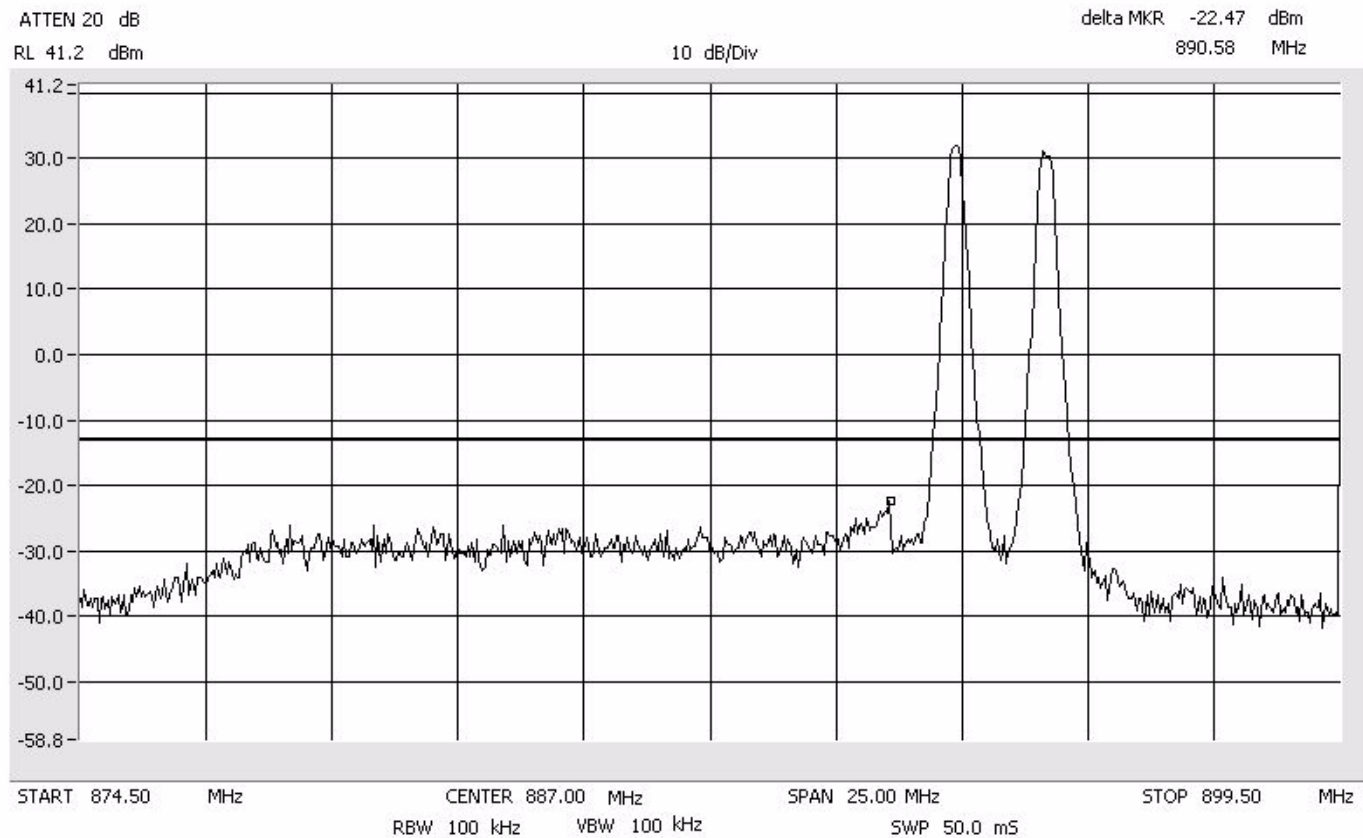




GSM
B Band

Intermodulation
Close - Upper
Cellular 800 MHz

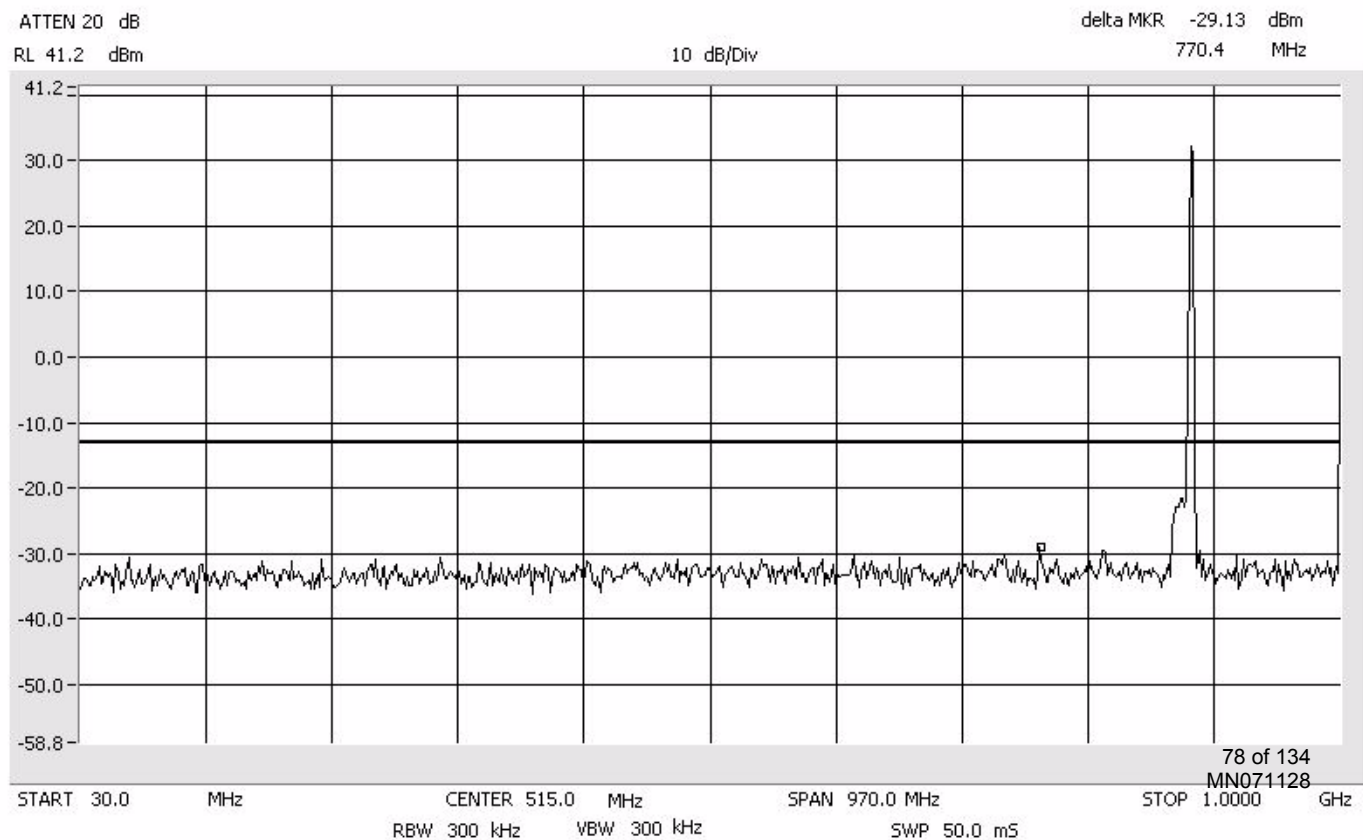
Center: 887.0 MHz
Span: 25 MHz
RBW/VBW: 100 kHz

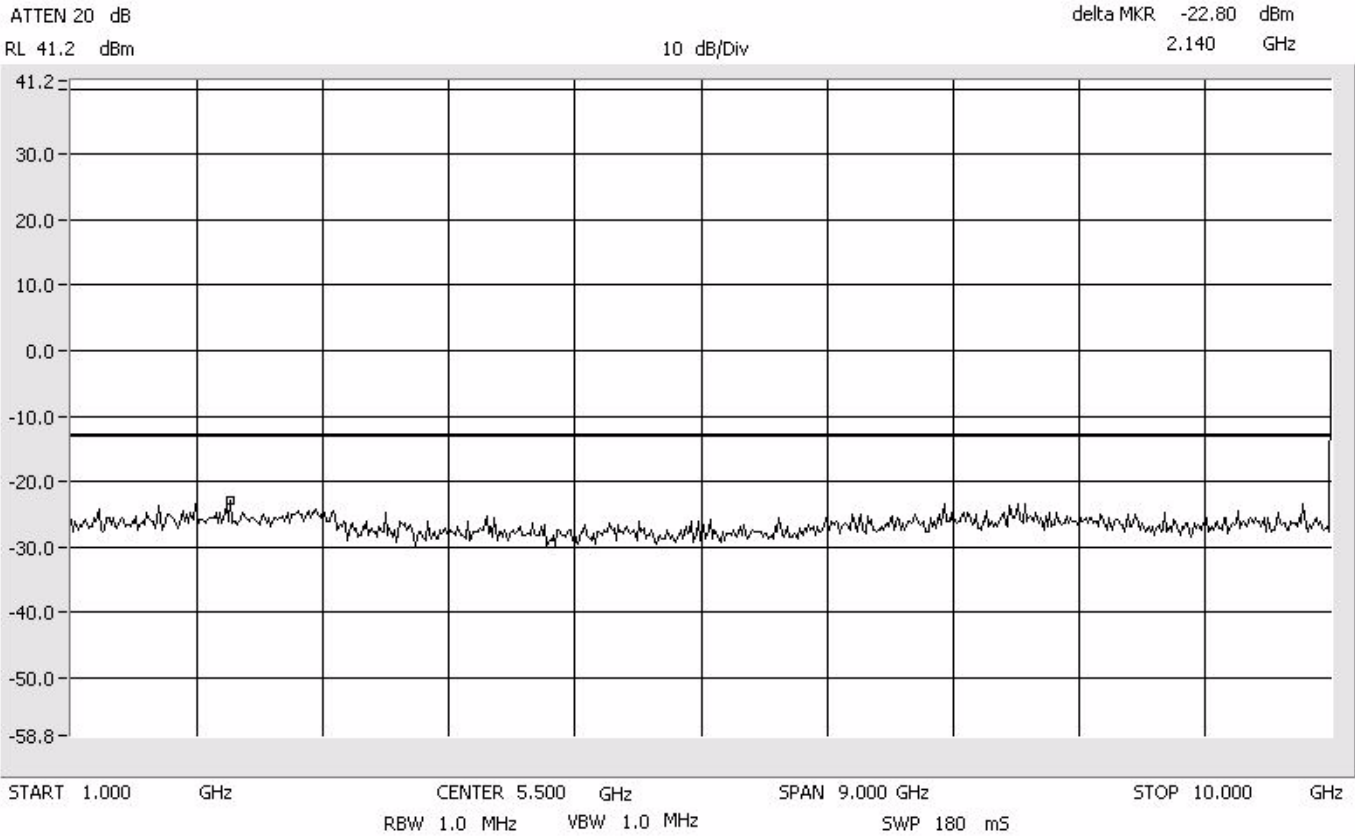


GSM
B Band

Intermodulation
Close - Upper
Cellular 800 MHz

Span: 30 MHz to 1 GHz
RBW/VBW: 300 kHz

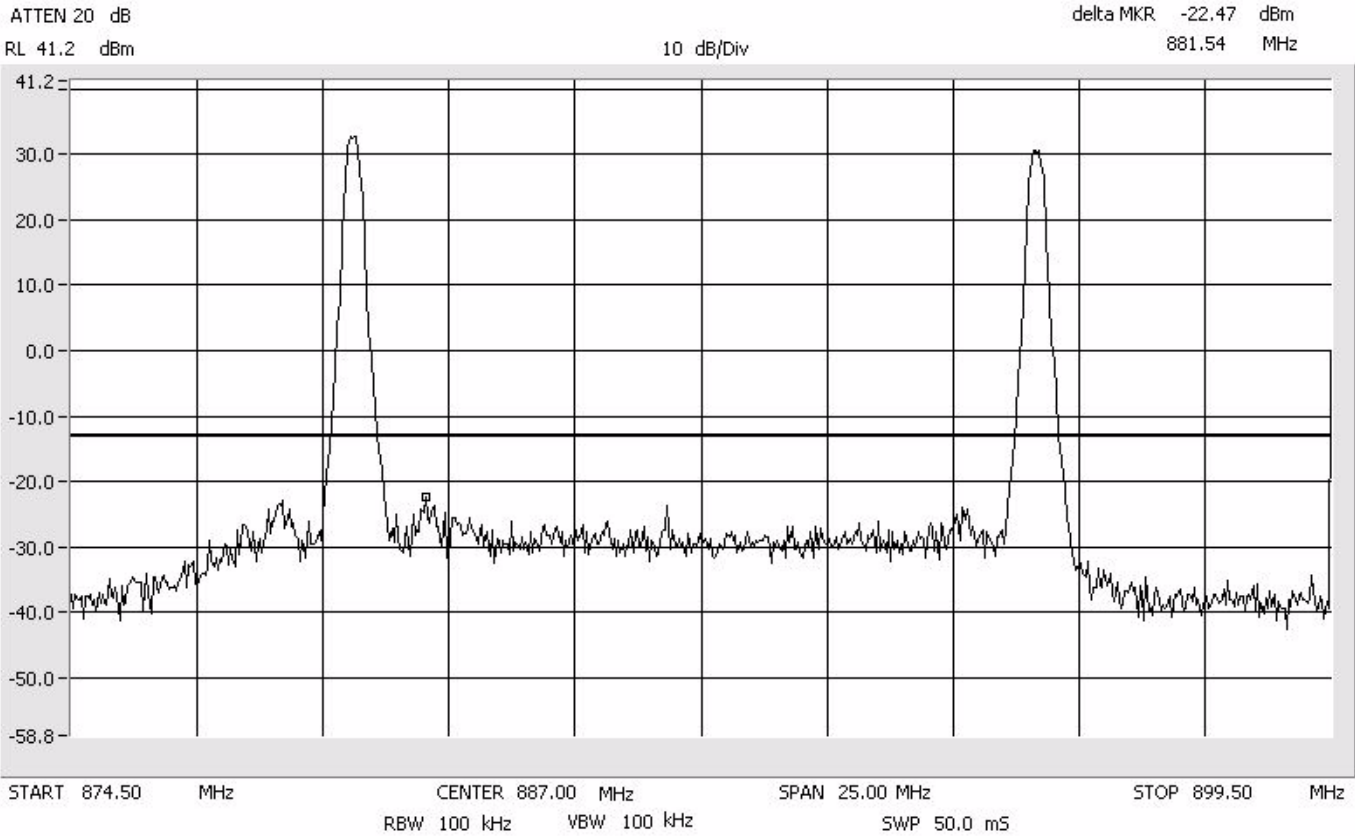




GSM
B Band

Intermodulation
Apart
Cellular 800 MHz

Center: 887.0 MHz
Span: 100 MHz
RBW/VBW: 100 kHz



GSM
B Band

Intermodulation
Apart
Cellular 800 MHz

Span: 30 MHz to 1 GHz
RBW/VBW: 300 kHz

