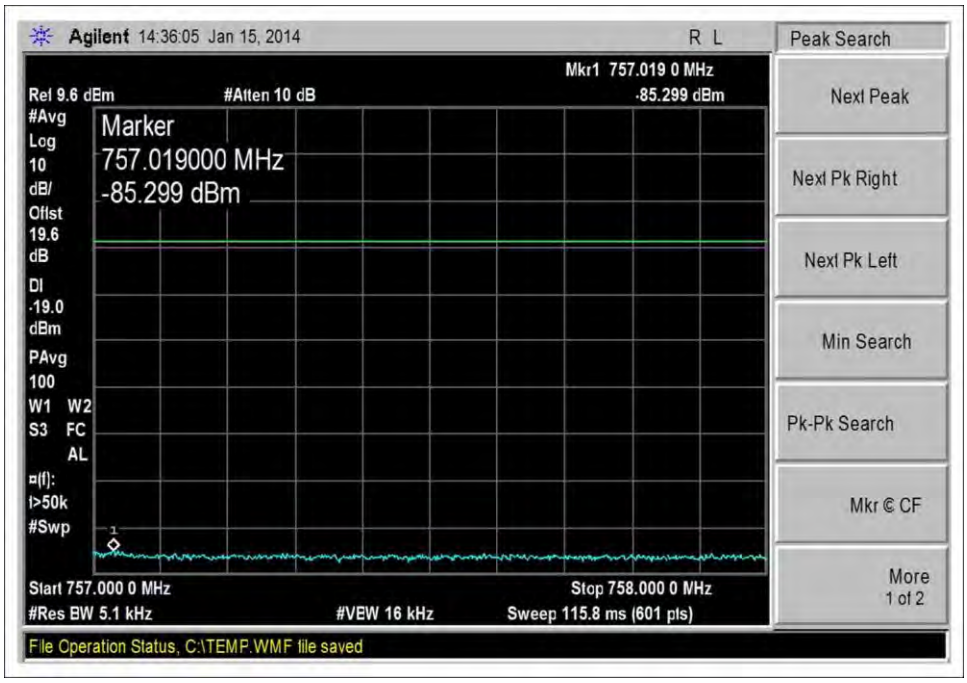
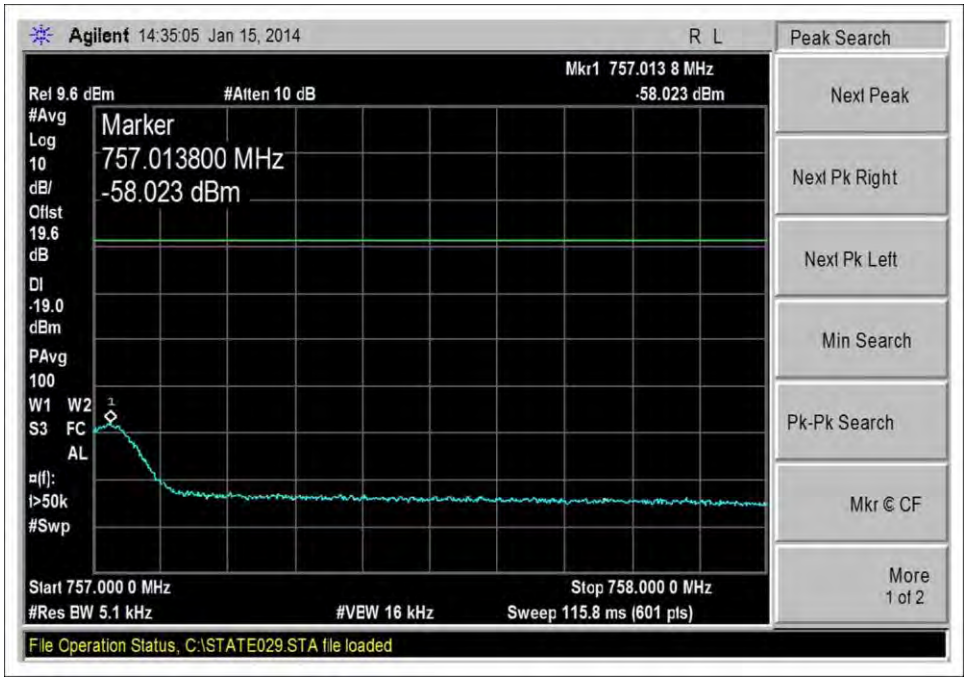
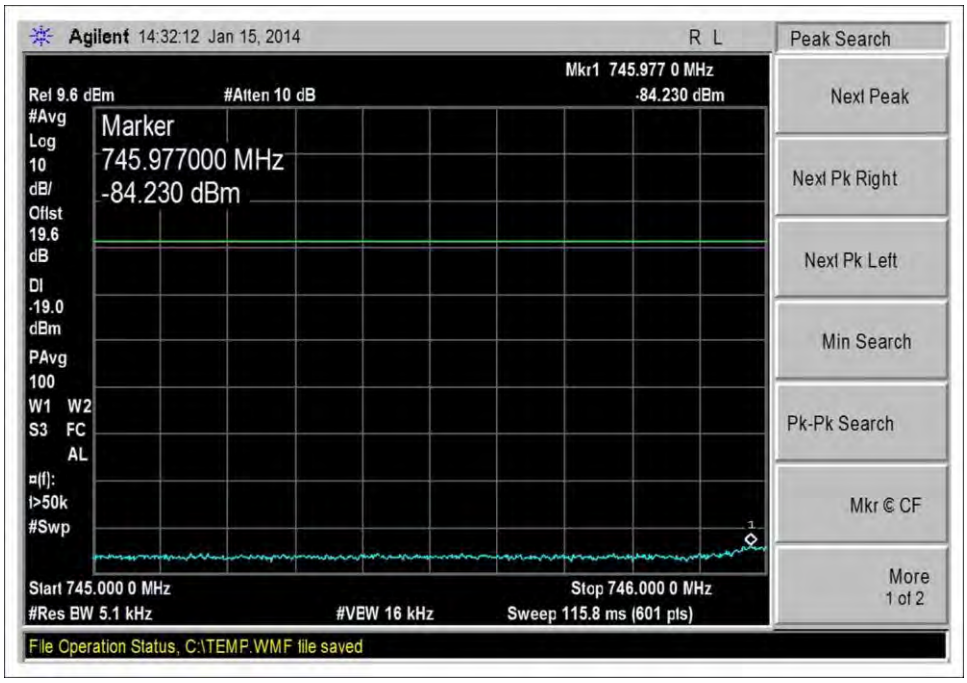


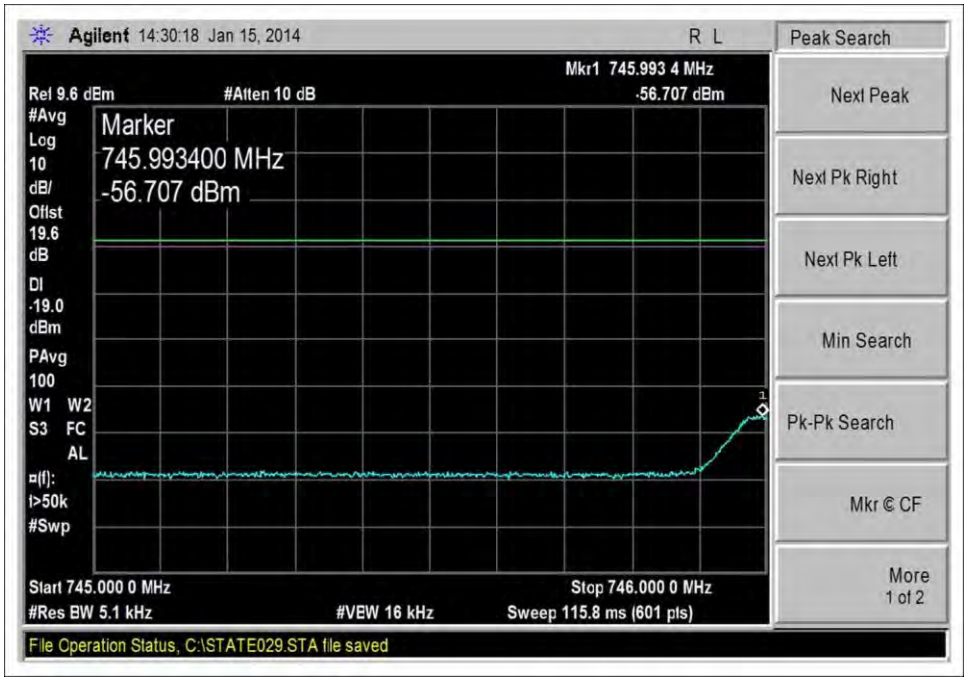
DL_746-757MHz_GSM_H_-20dBm



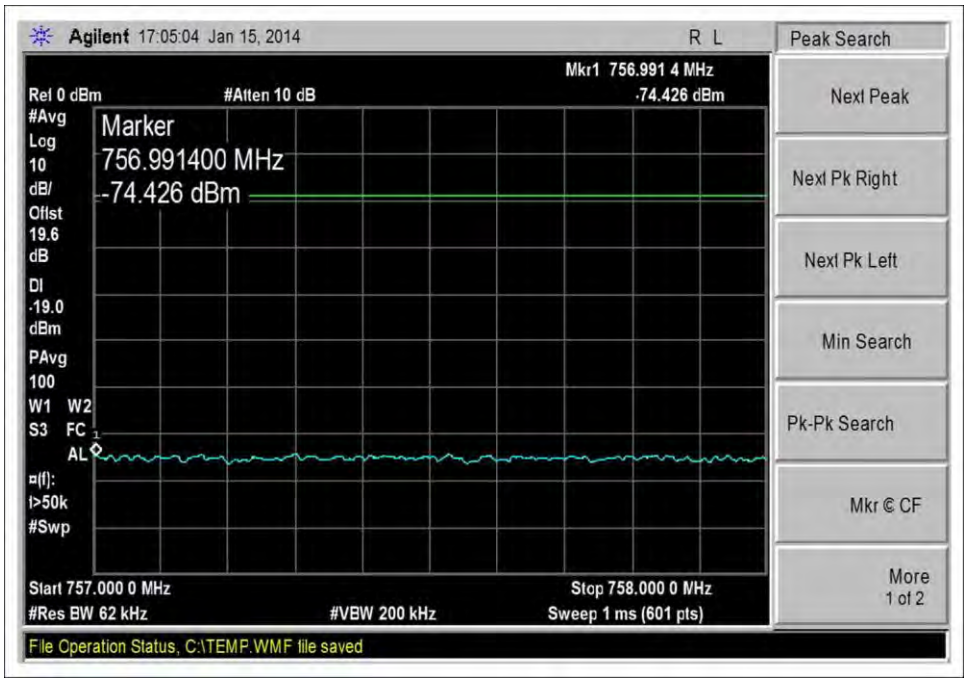
DL_746-757MHz_GSM_H_-63dBm



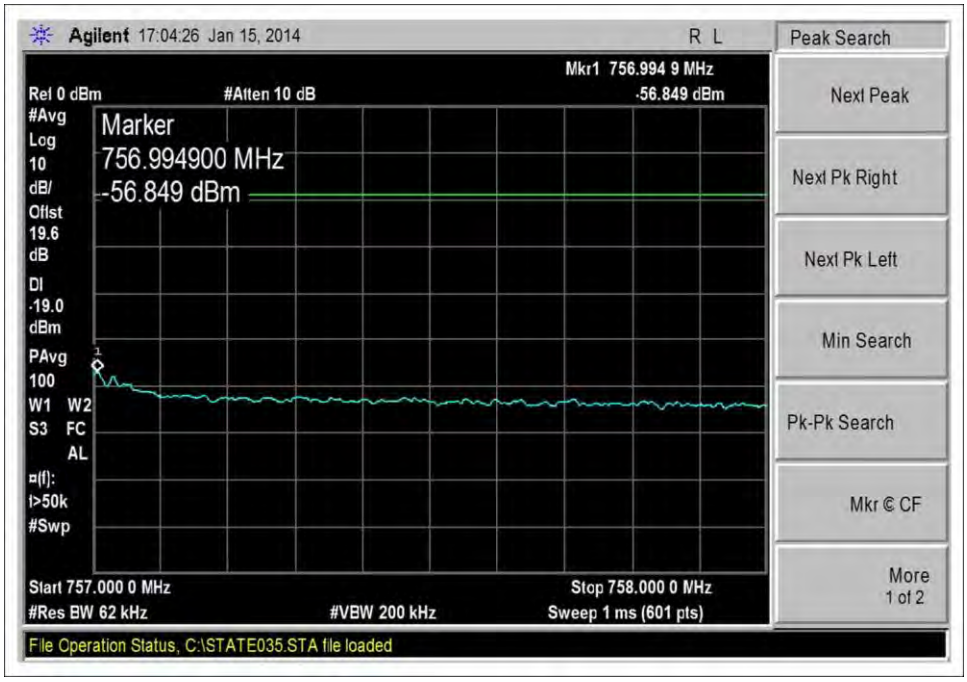
DL_746-757MHz_GSM_L_-20dBm



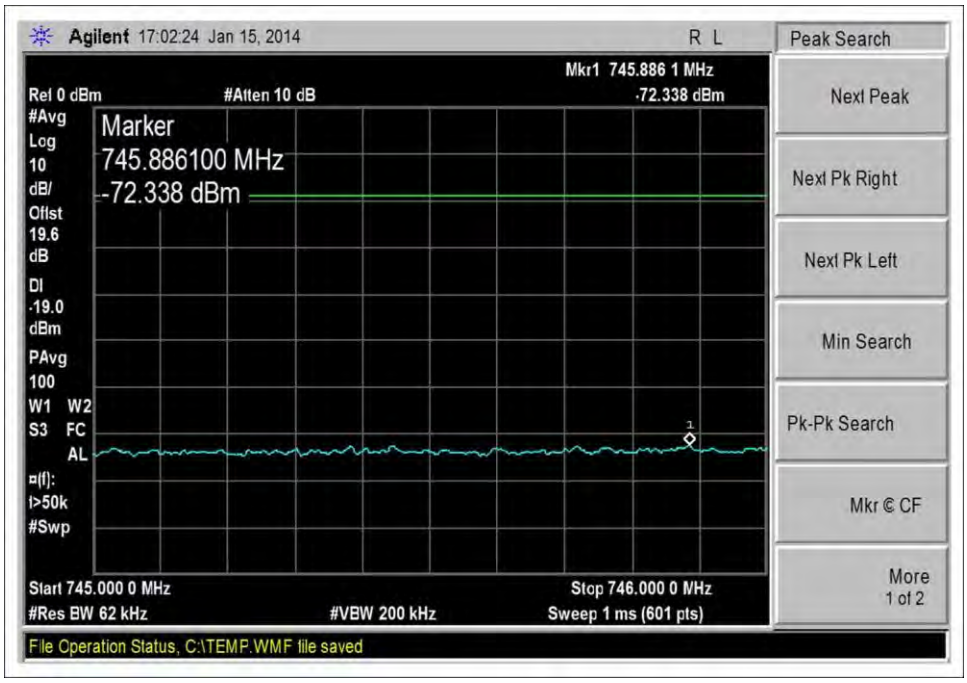
DL_746-757MHz_GSM_L_-67dBm



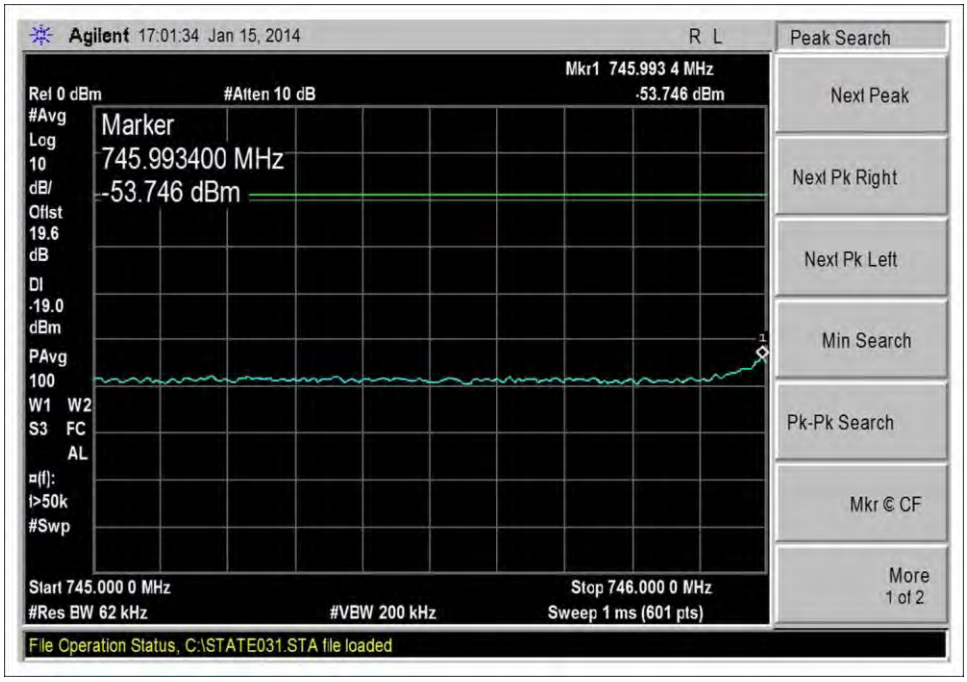
DL_746-757MHz_LTE_H_-20dBm



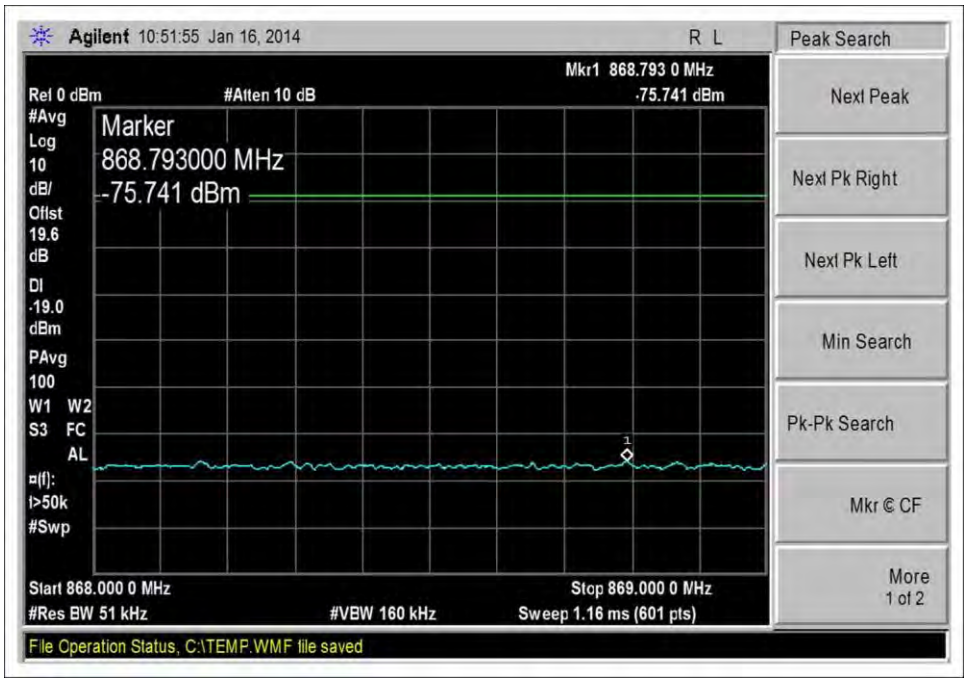
DL_746-757MHz_LTE_H_-65dBm



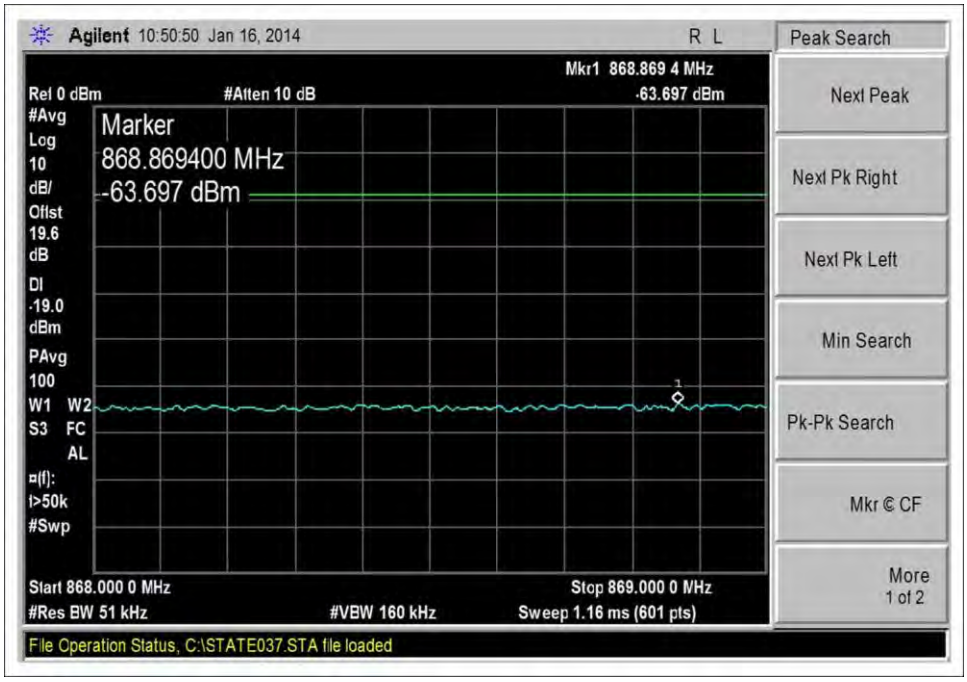
DL_746-757MHz_LTE_L_-20dBm



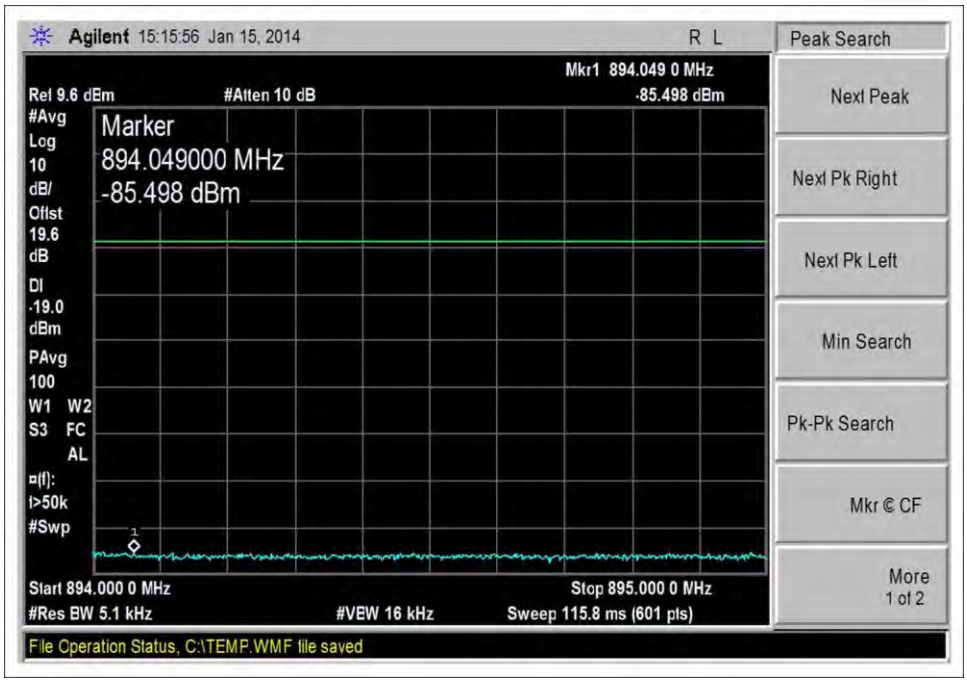
DL_746-757MHz_LTE_L_-65dBm



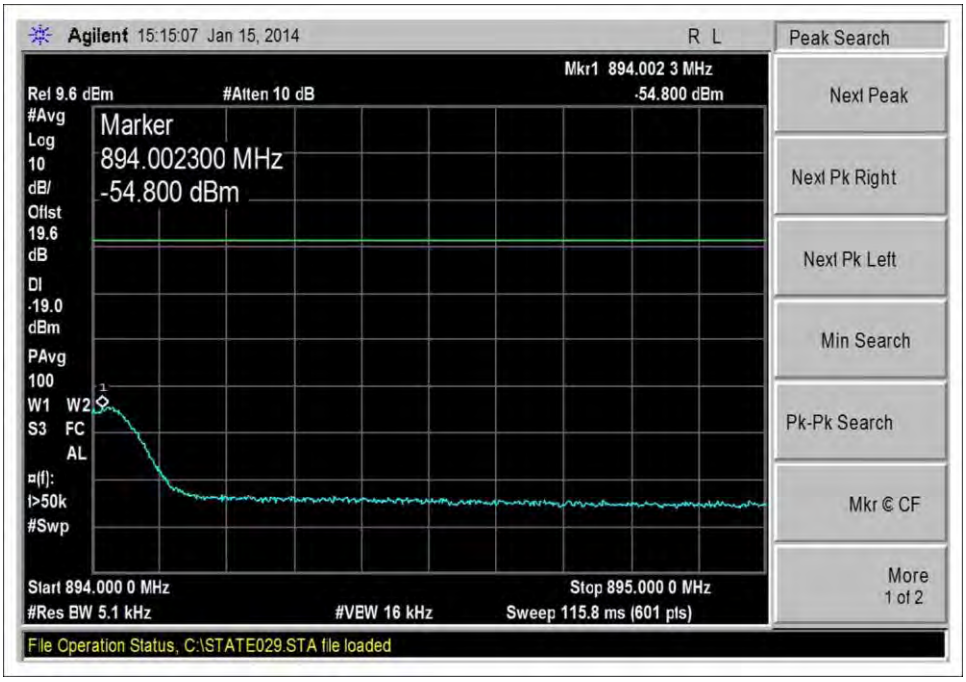
DL_869-880MHz_CDMA_L_-20dBm



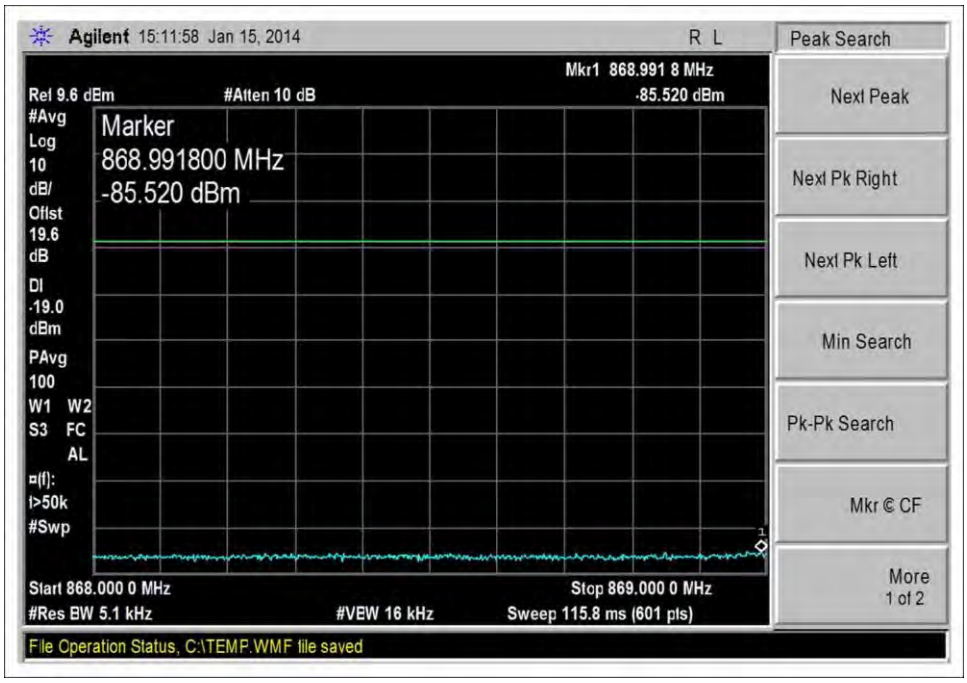
DL_869-880MHz_CDMA_L_-61dBm



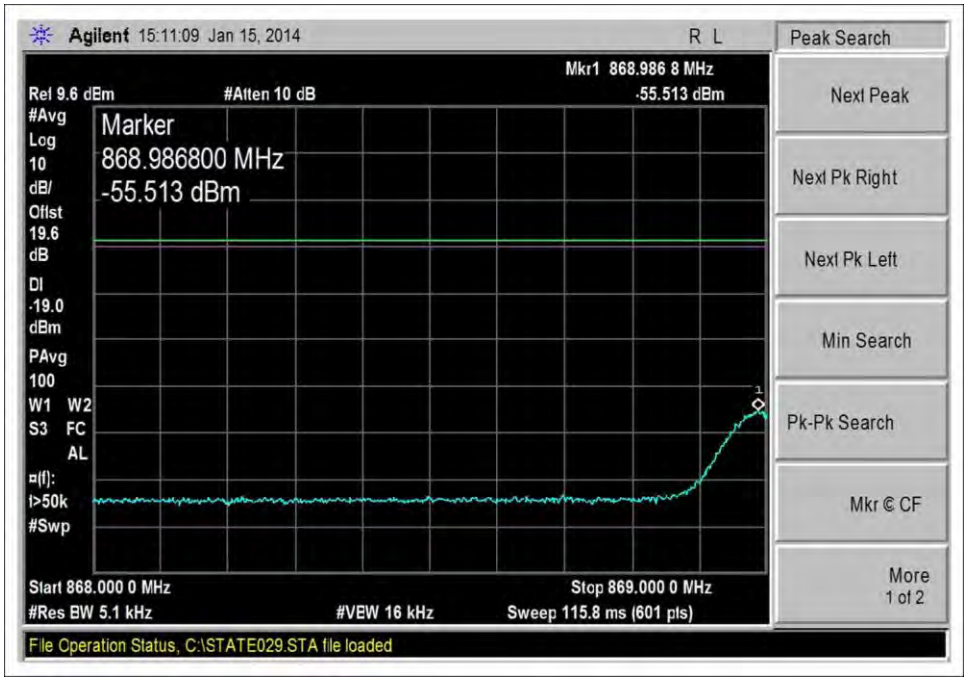
DL_869-894MHz_GSM_H_-20dBm



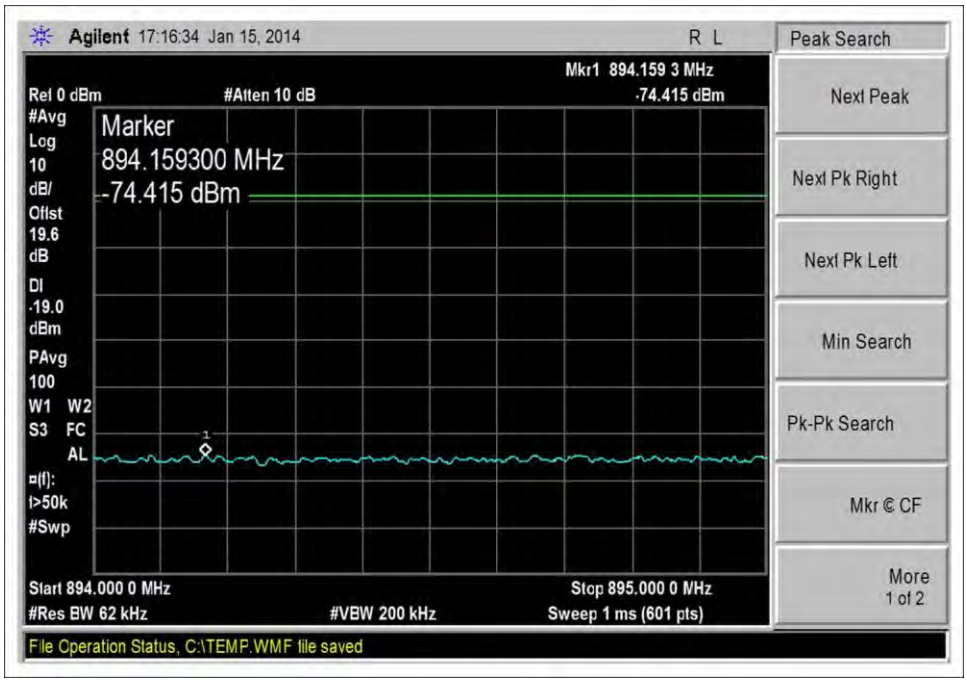
DL_869-894MHz_GSM_H_-60dBm



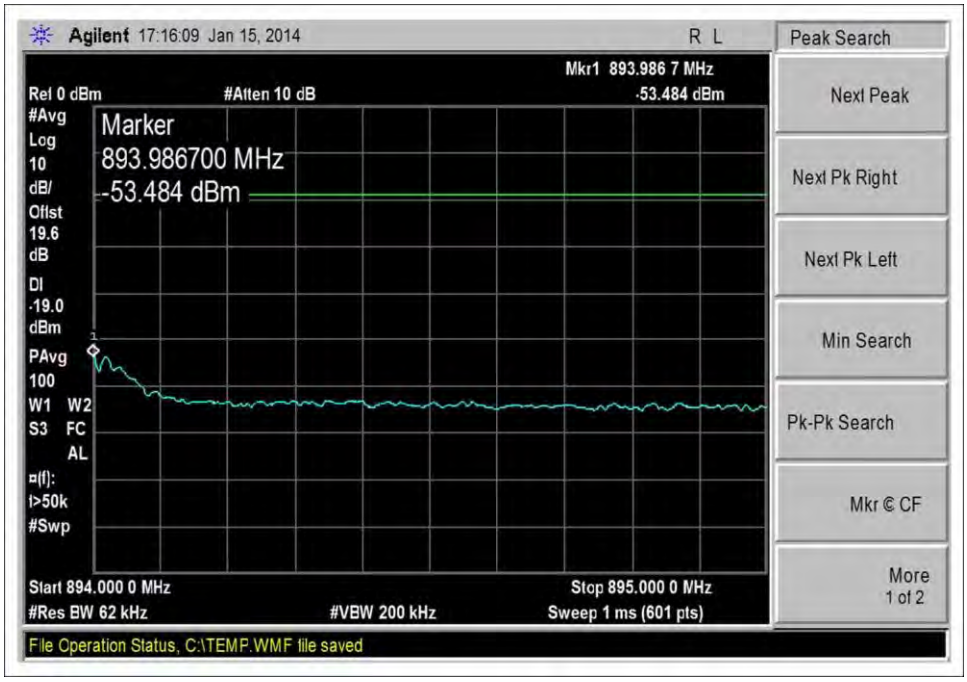
DL_869-894MHz_GSM_L_-20dBm



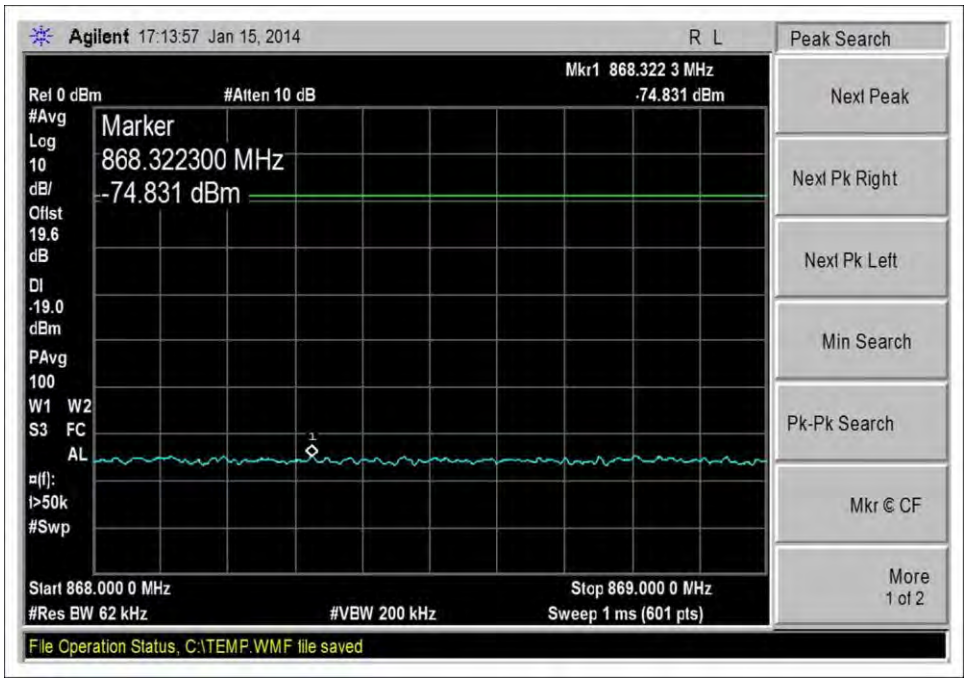
DL_869-894MHz_GSM_L_-61dBm



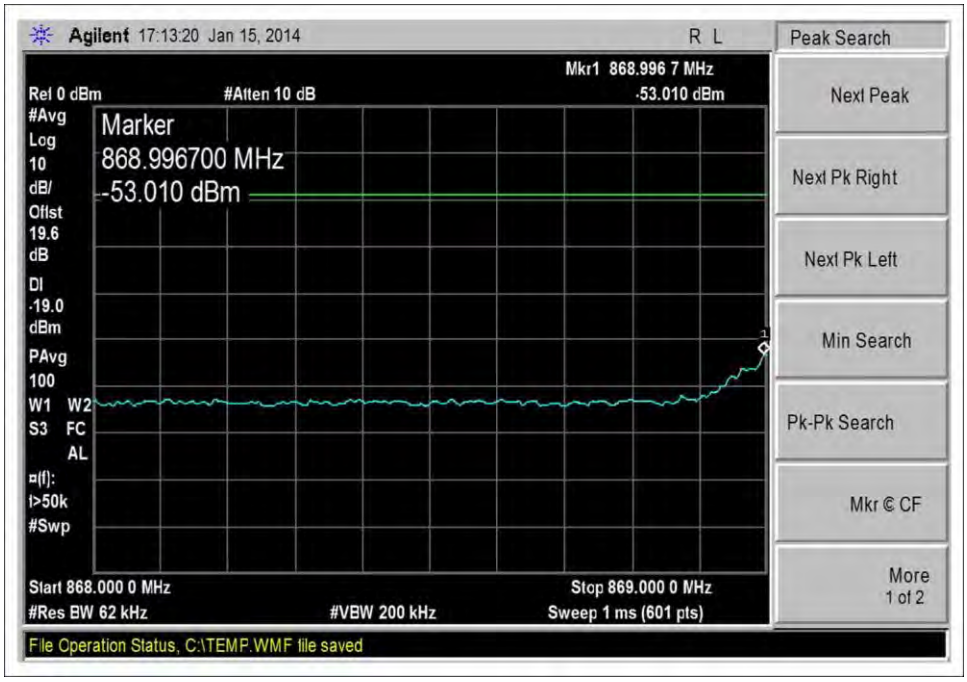
DL_869-894MHz_LTE_H_-20dBm



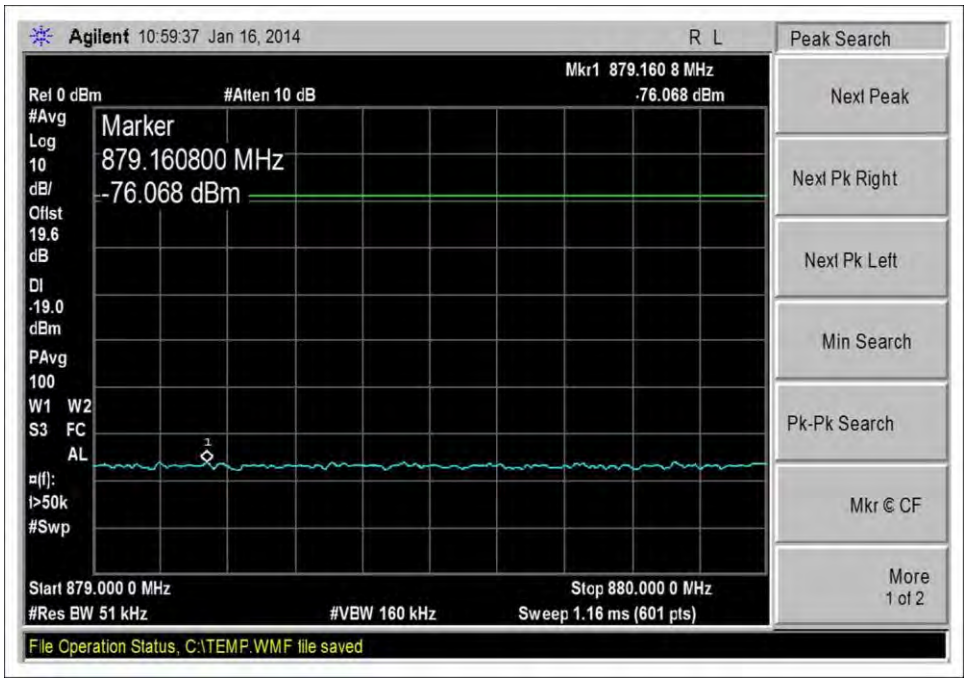
DL_869-894MHz_LTE_H_-61dBm



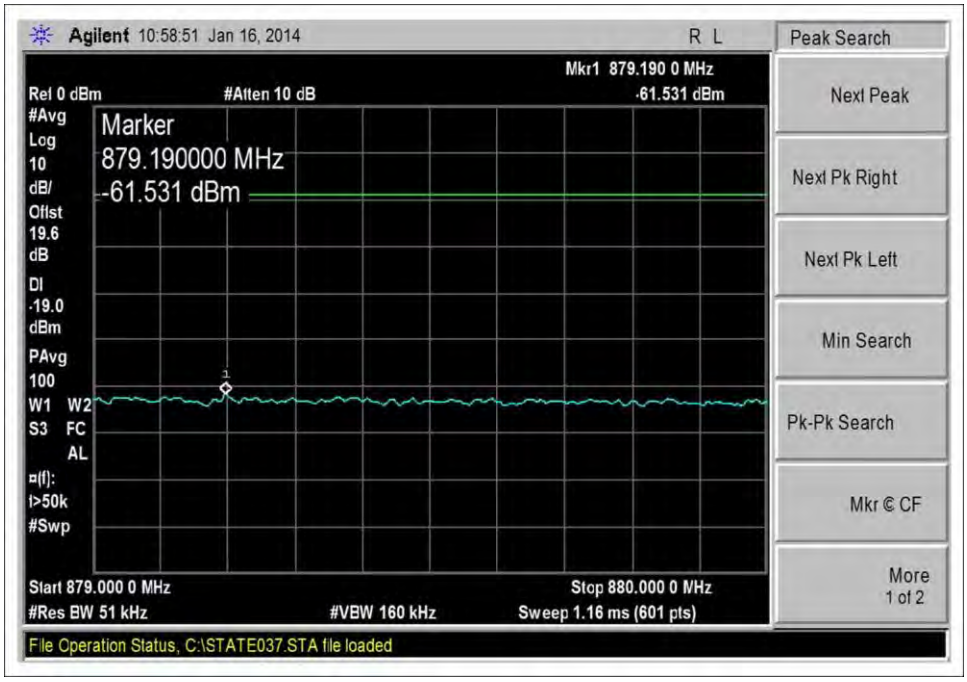
DL_869-894MHz_LTE_L_-20dBm



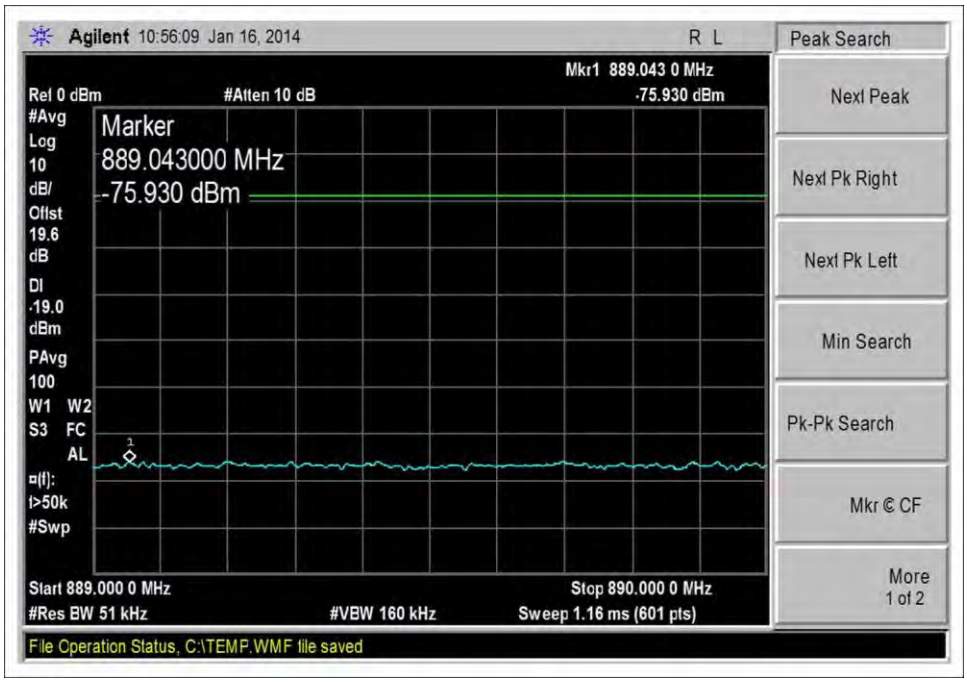
DL_869-894MHz_LTE_L_-60dBm



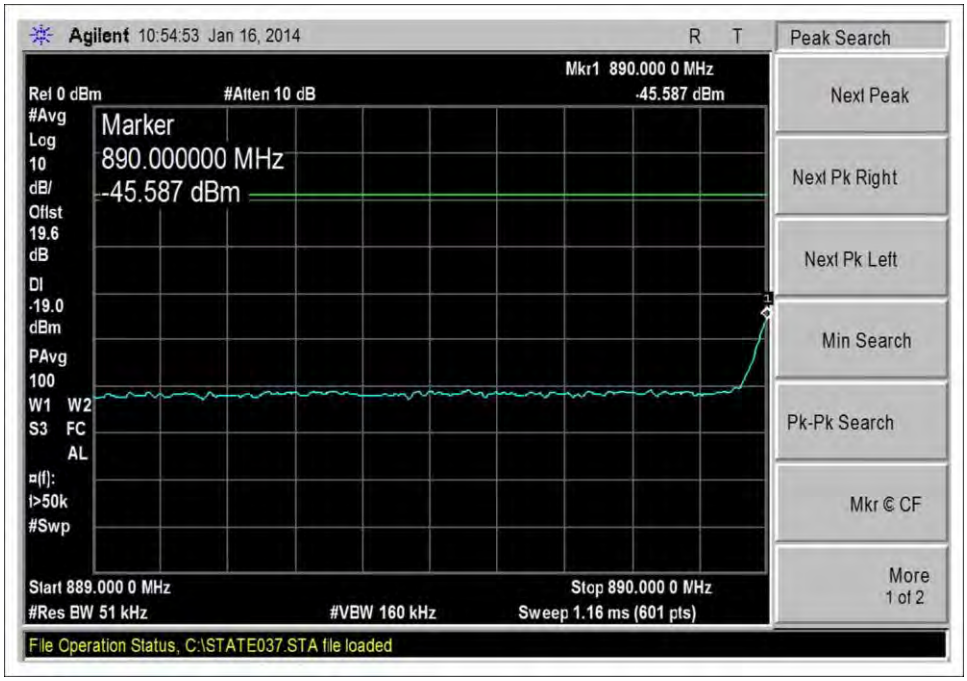
DL_880-890MHz_CDMA_L_-20dBm



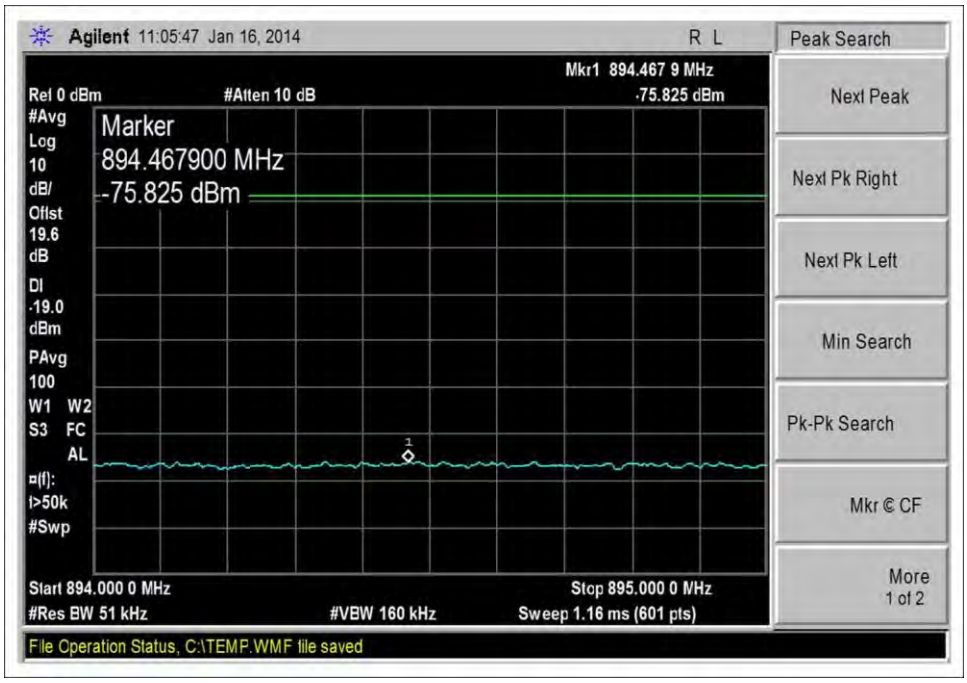
DL_880-890MHz_CDMA_L_-63dBm



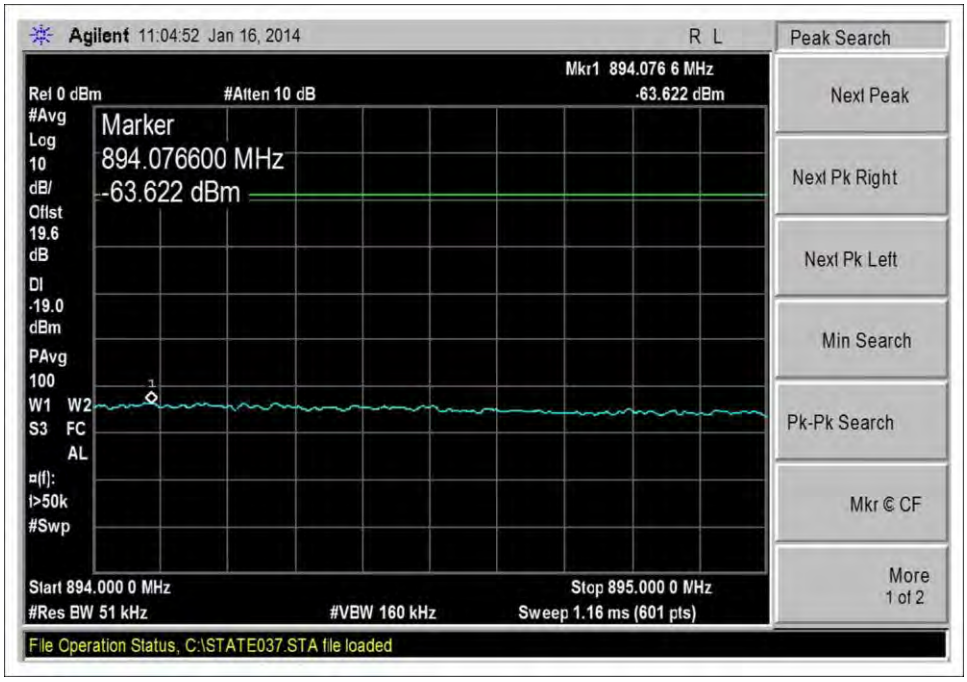
DL_890-891.5MHz_CDMA_L_-20dBm



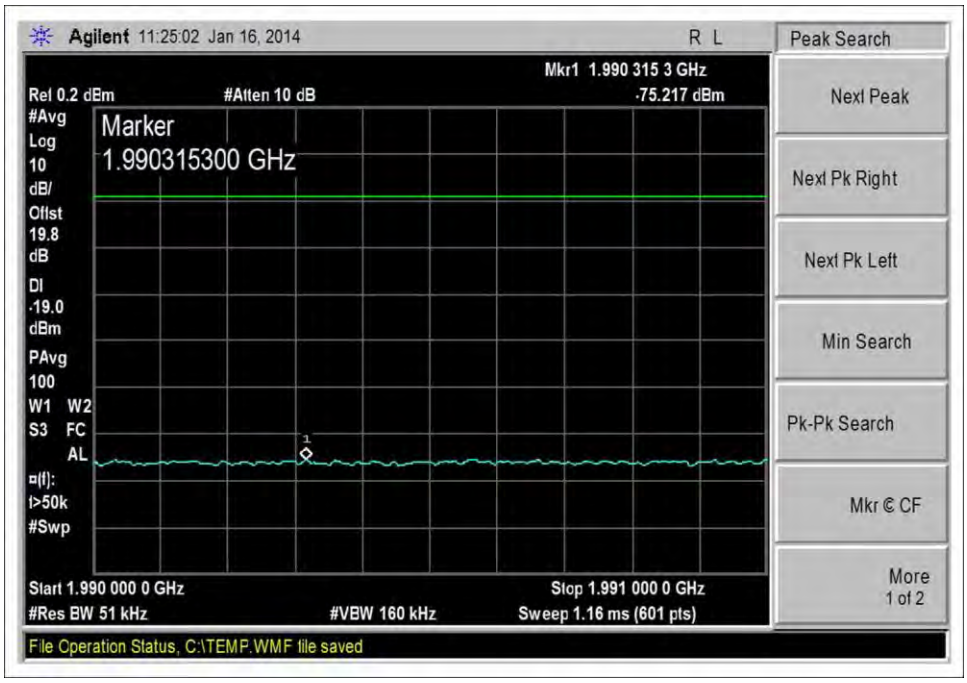
DL_890-891.5MHz_CDMA_L_-62dBm



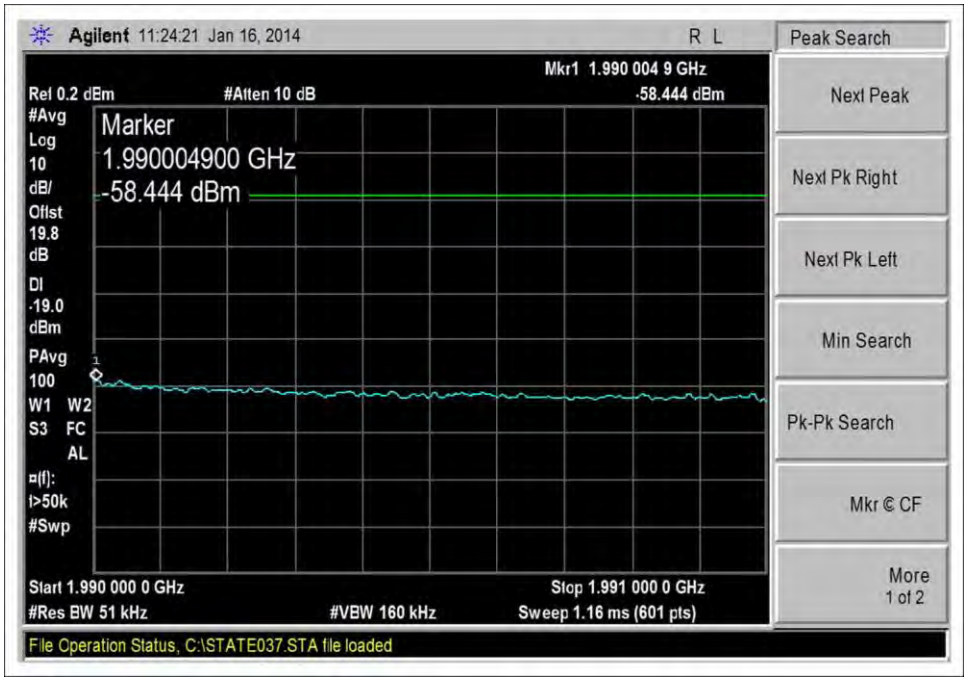
DL_891.5-894MHz_CDMA_L_-20dBm



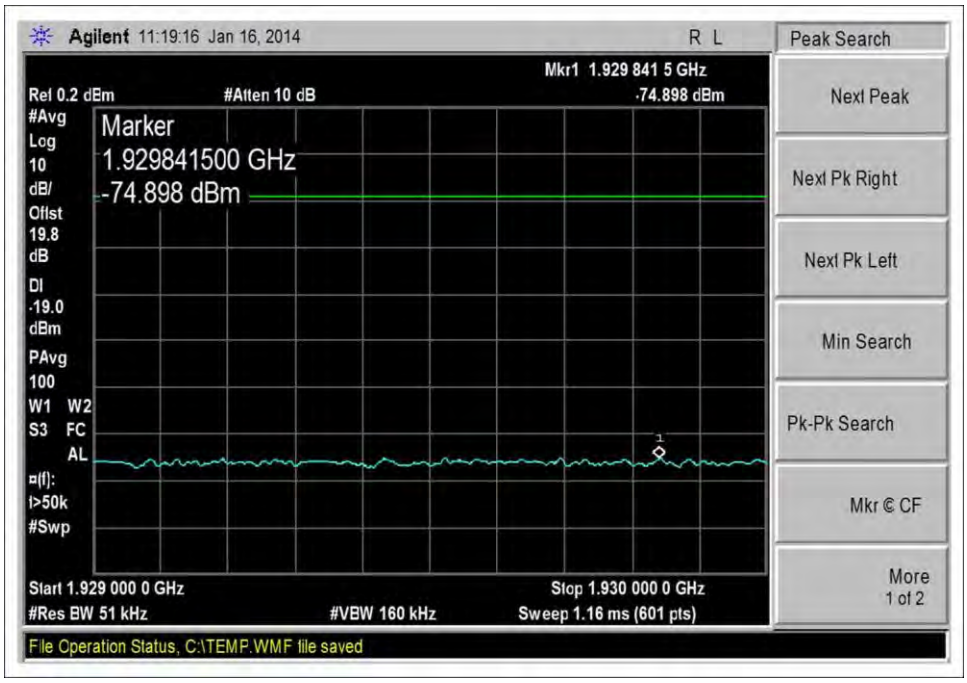
DL_891.5-894MHz_CDMA_L_-61dBm



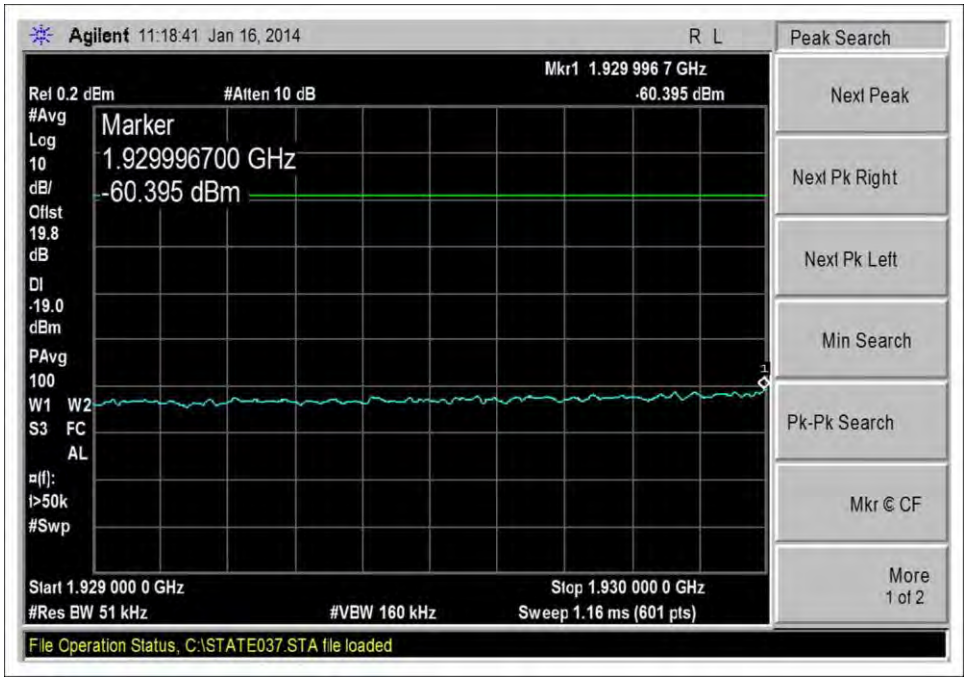
DL_1930-1995MHz_CDMA_H_-20dBm



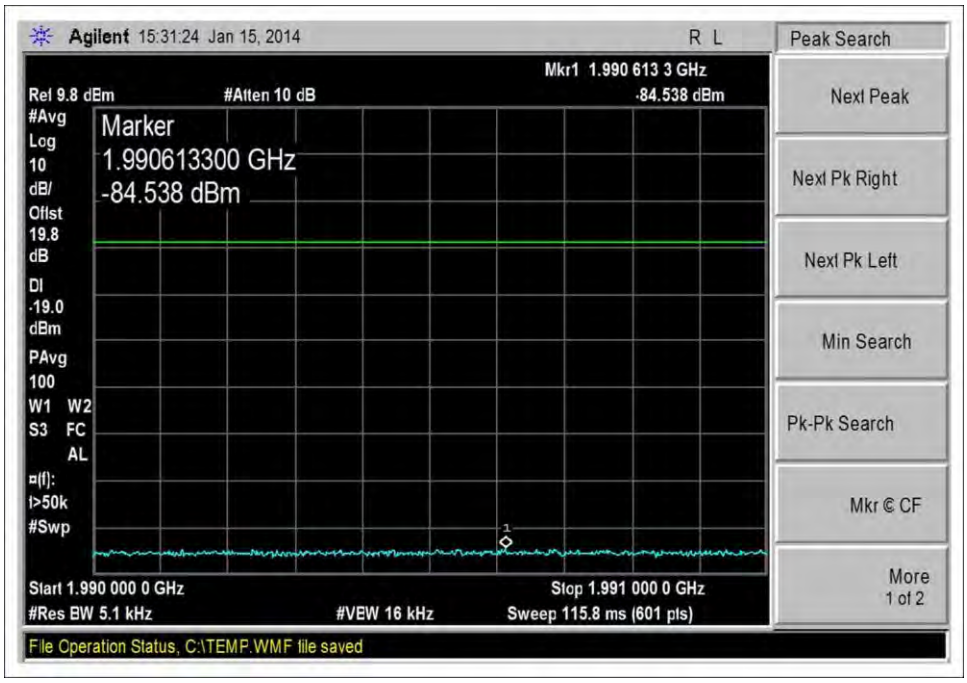
DL_1930-1995MHz_CDMA_H_-57dBm



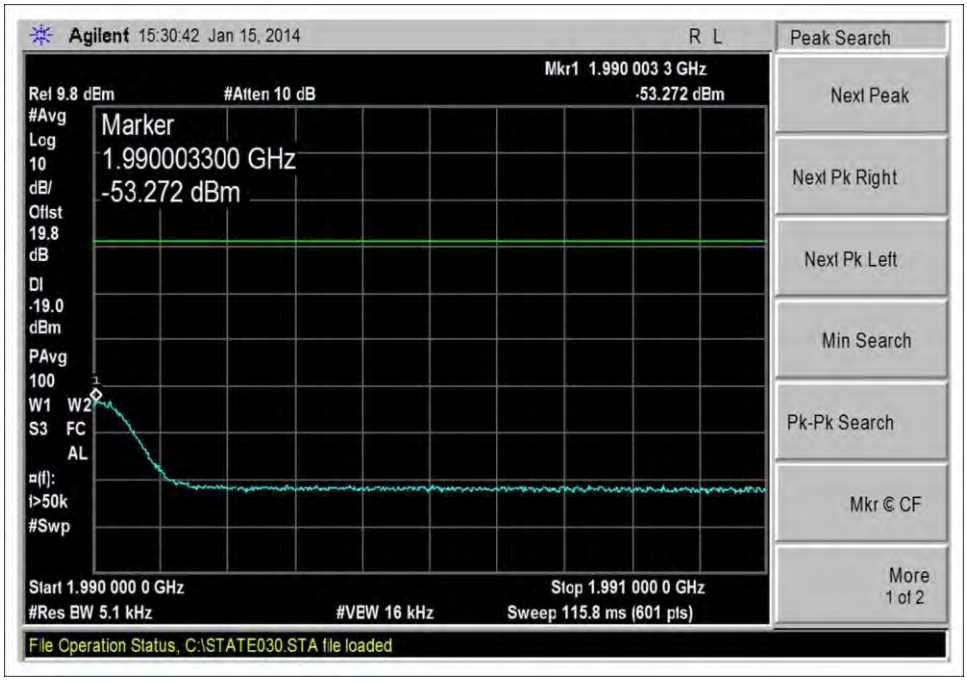
DL_1930-1995MHz_CDMA_L_-20dBm



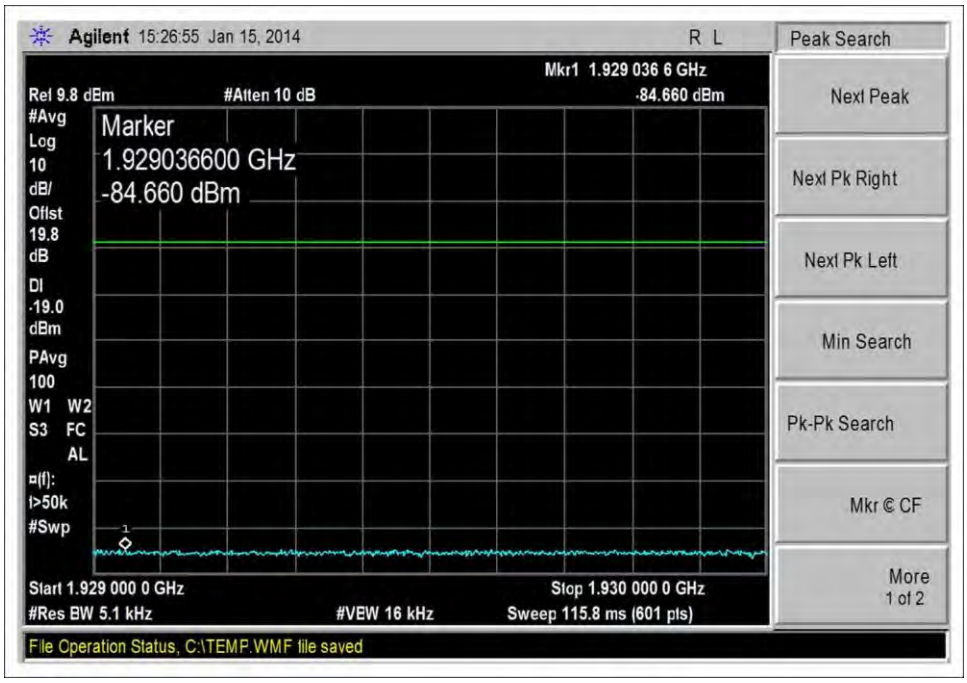
DL_1930-1995MHz_CDMA_L_-60dBm



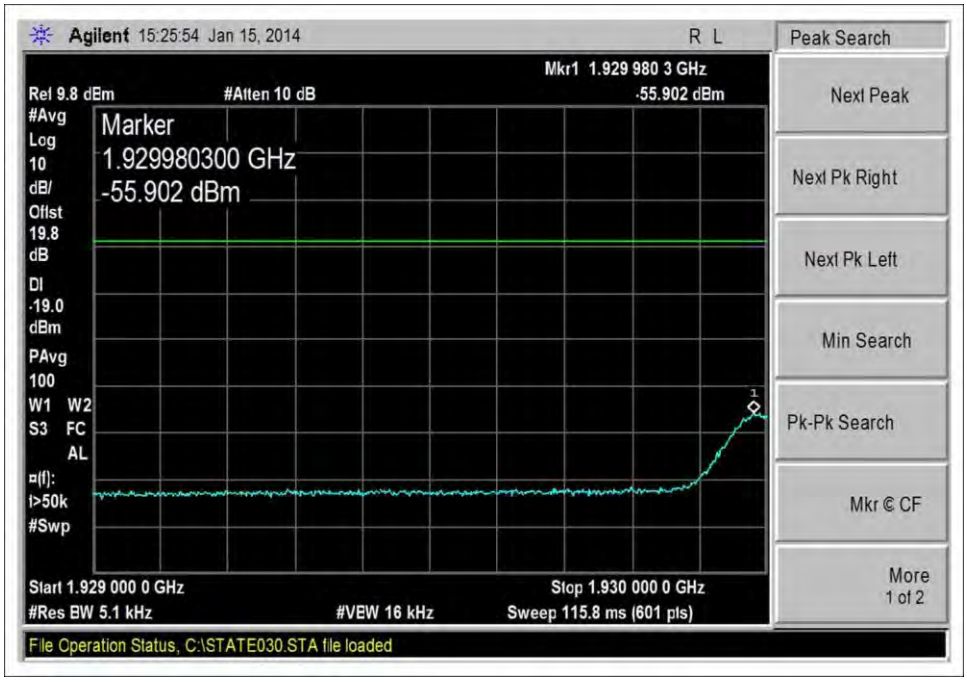
DL_1930-1995MHz_GSM_H_-20dBm



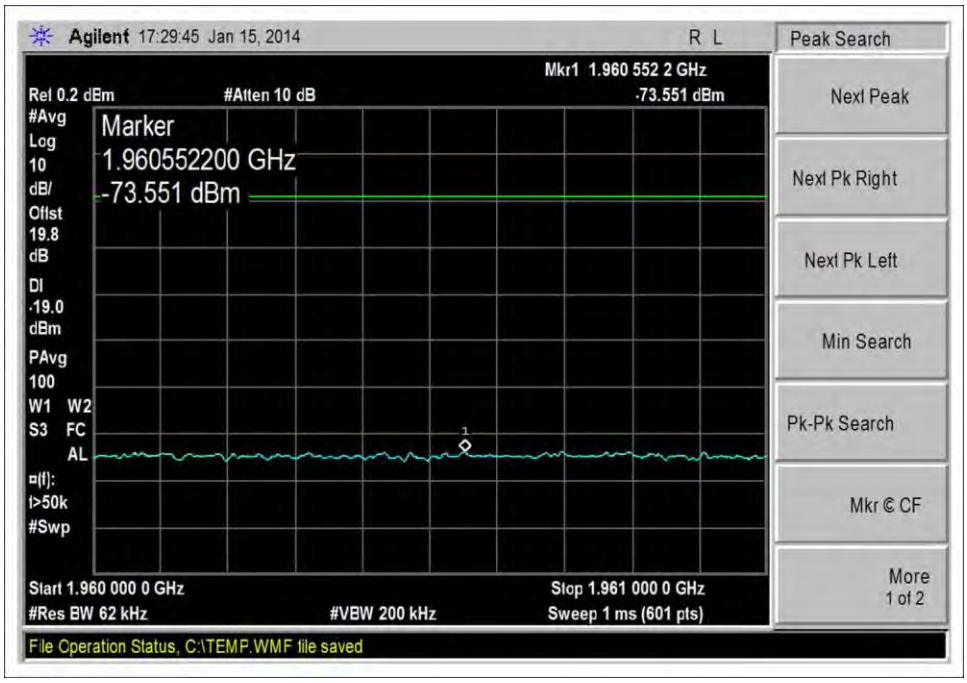
DL_1930-1995MHz_GSM_H_-58dBm



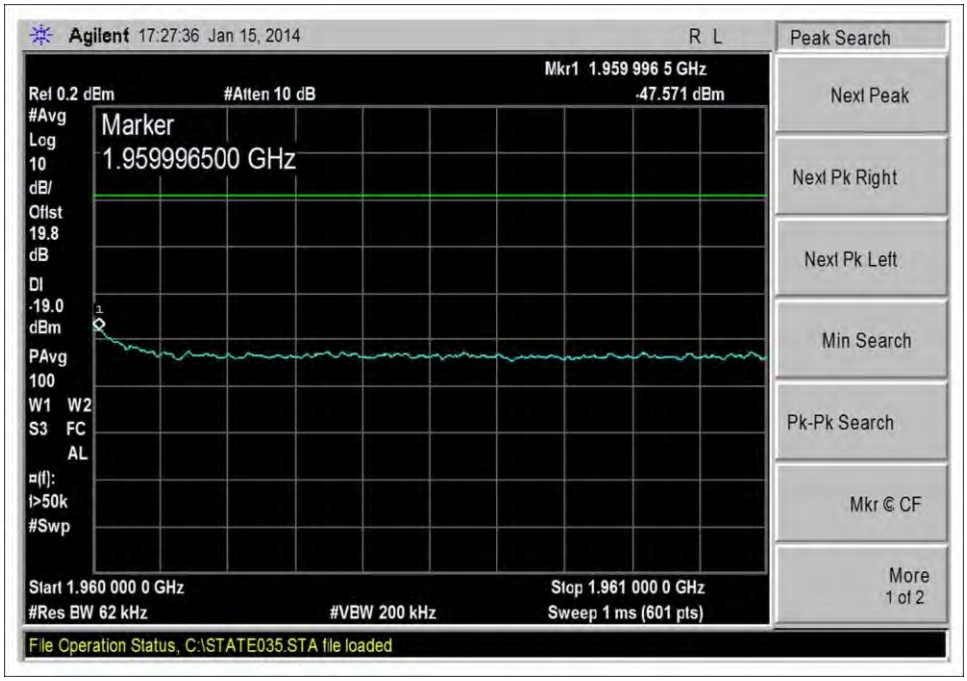
DL_1930-1995MHz_GSM_L_-20dBm



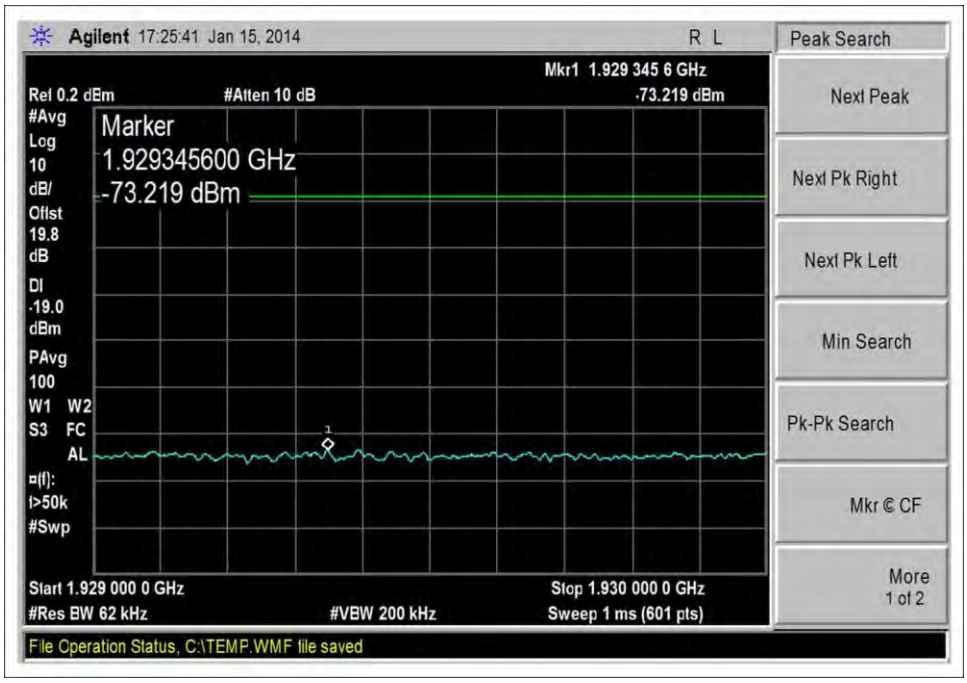
DL_1930-1995MHz_GSM_L_-60dBm



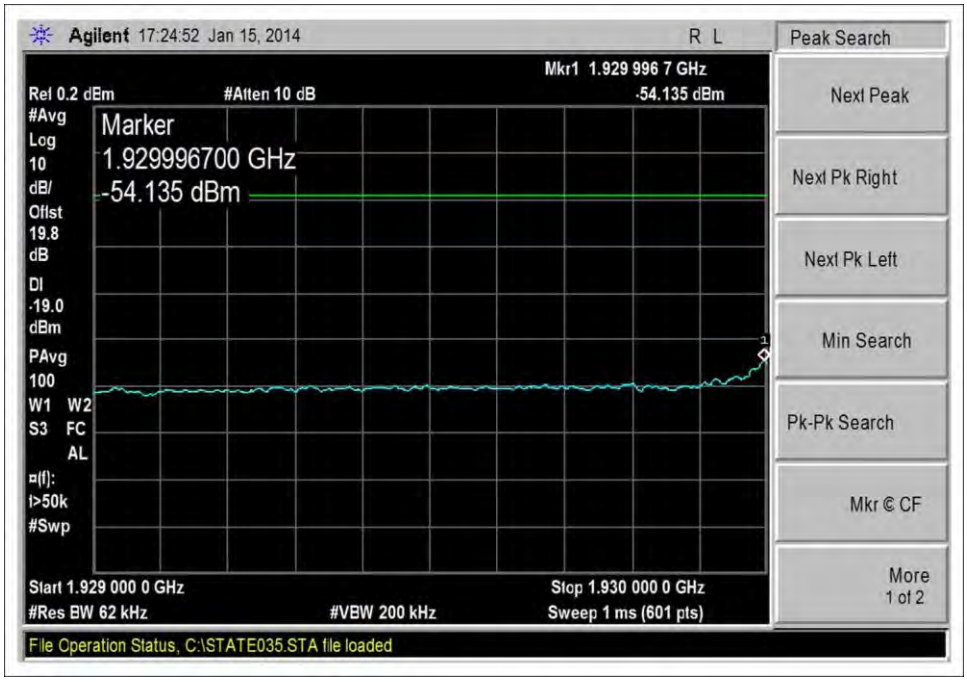
DL_1930-1995MHz_LTE_H_-20dBm



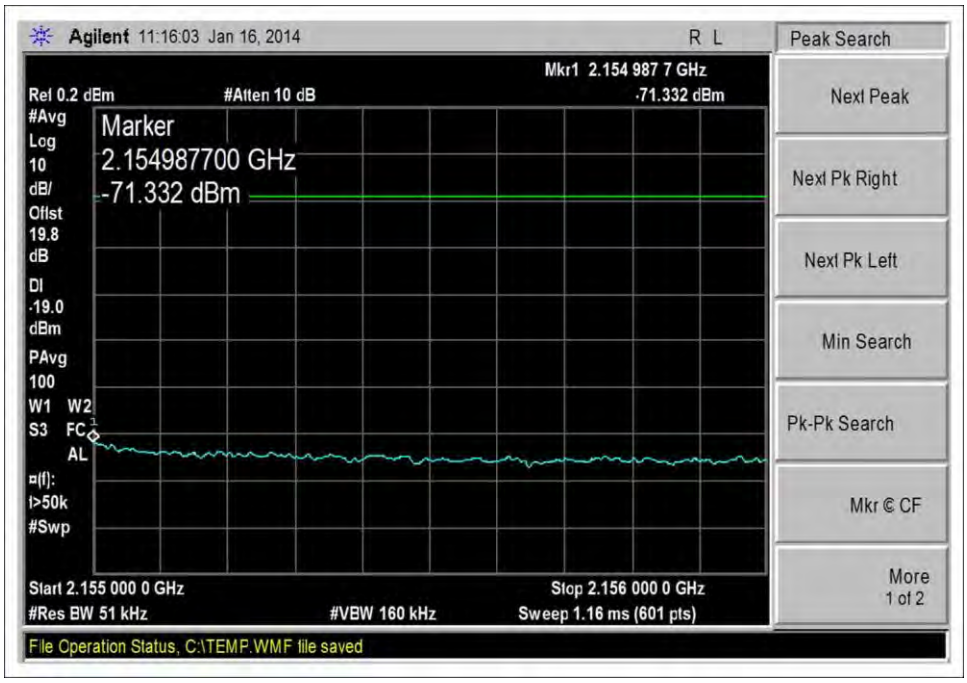
DL_1930-1995MHz_LTE_H_-64dBm



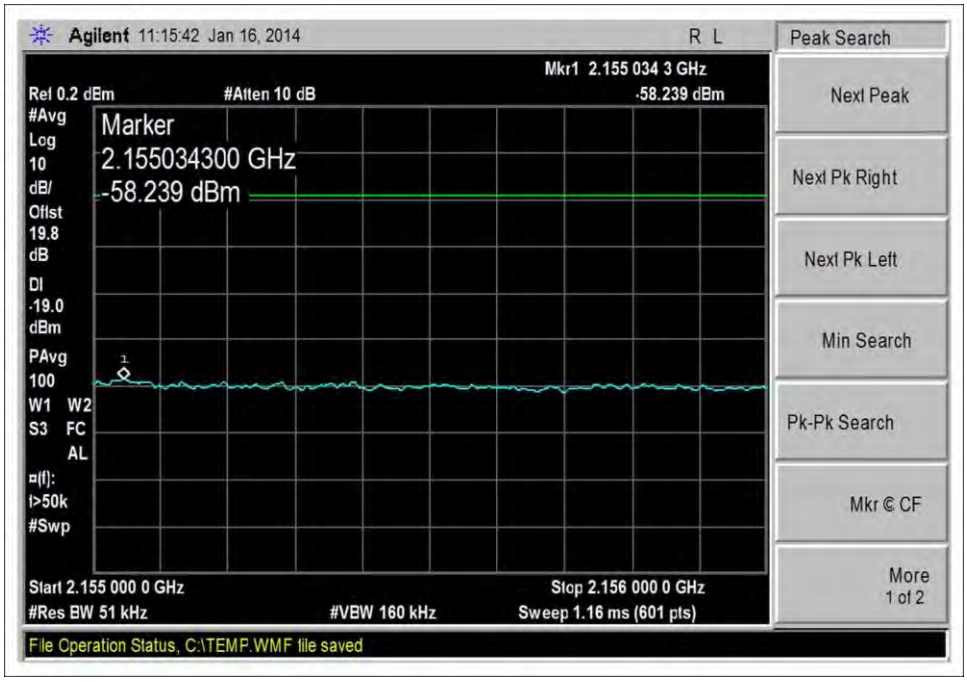
DL_1930-1995MHz_LTE_L_-20dBm



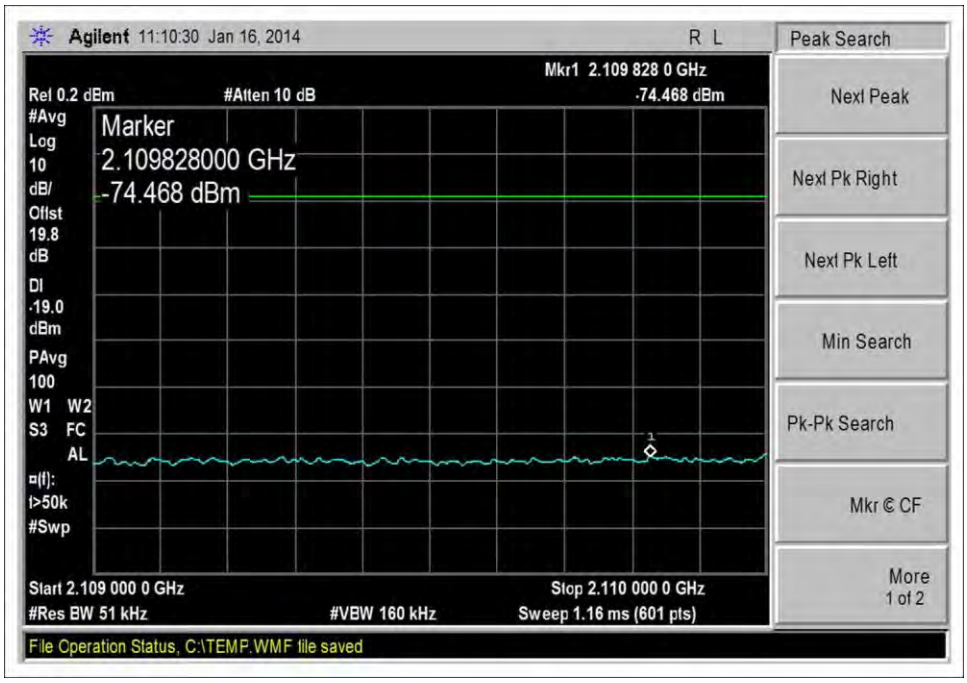
DL_1930-1995MHz_LTE_L_-60dBm



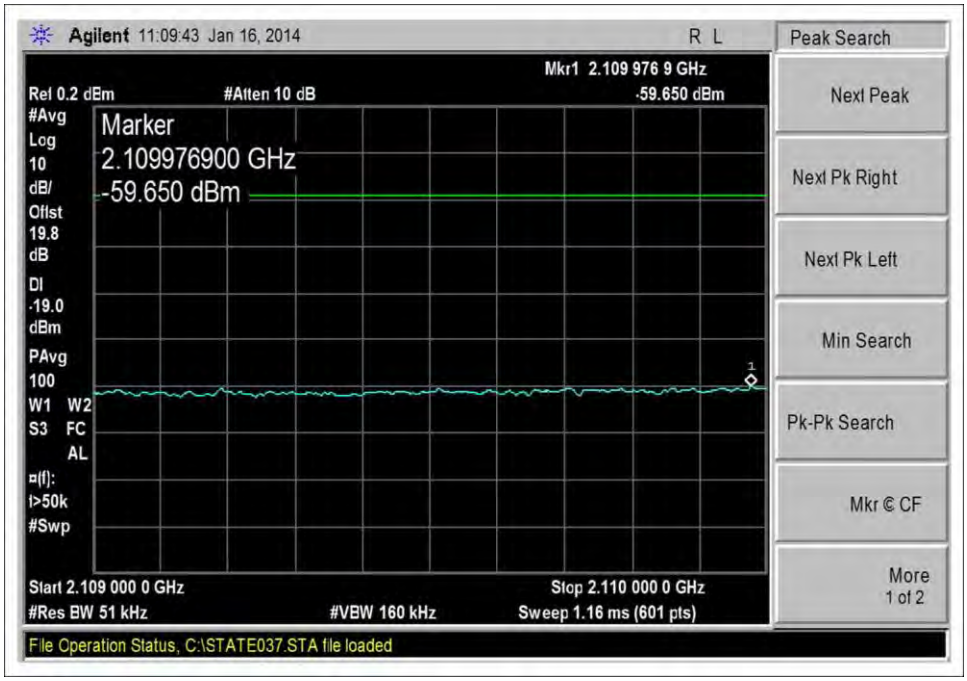
DL_2110-2155MHz_CDMA_H_-20dBm



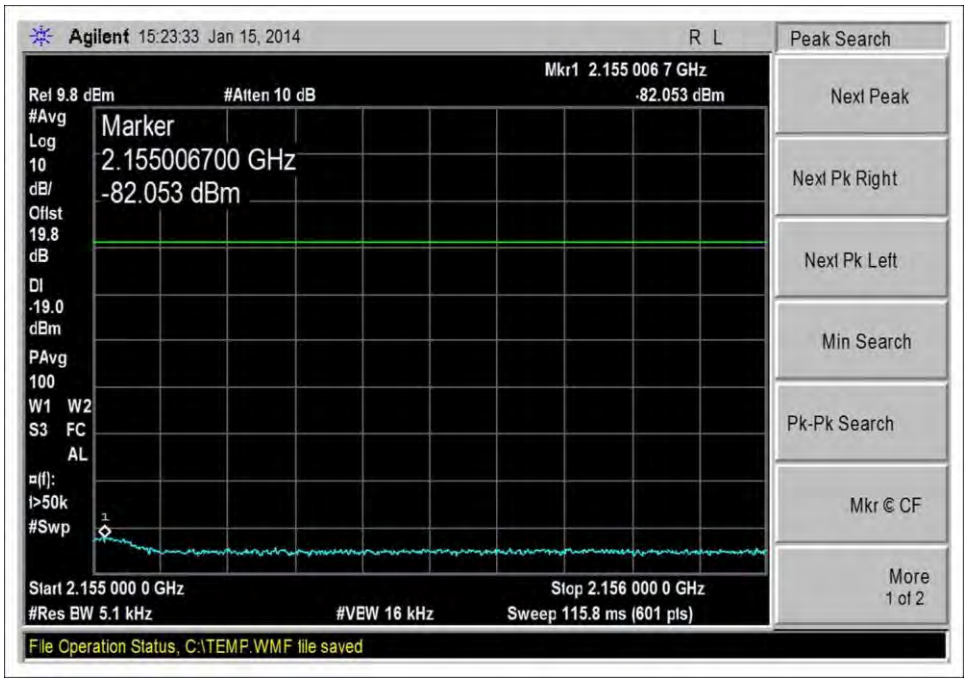
DL_2110-2155MHz_CDMA_H_-62dBm



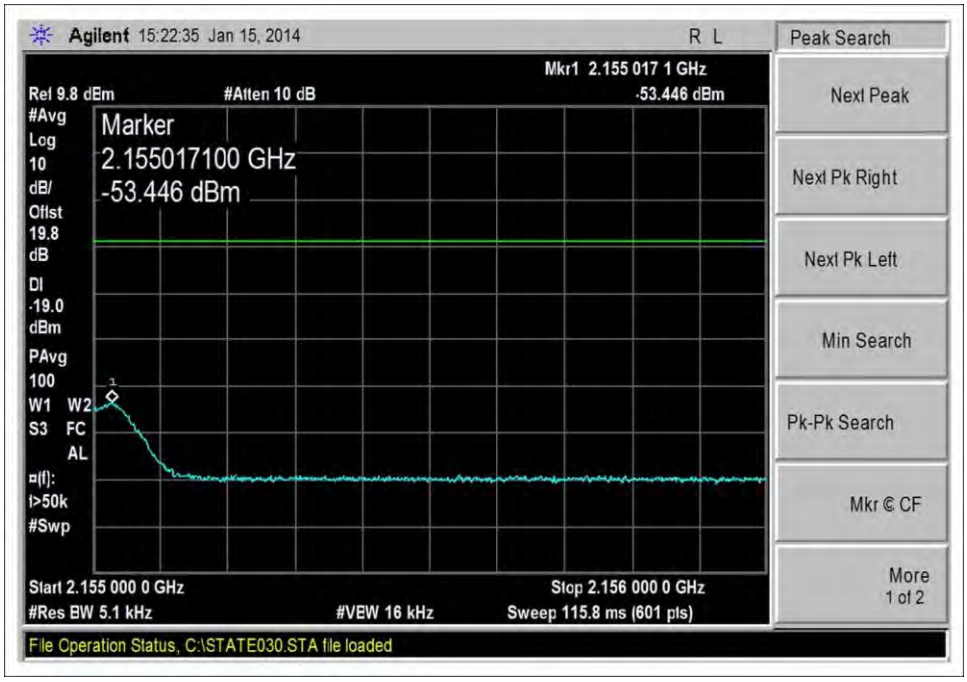
7.5_OBE_DL_2110-2155MHz_CDMA_L_-20dBm



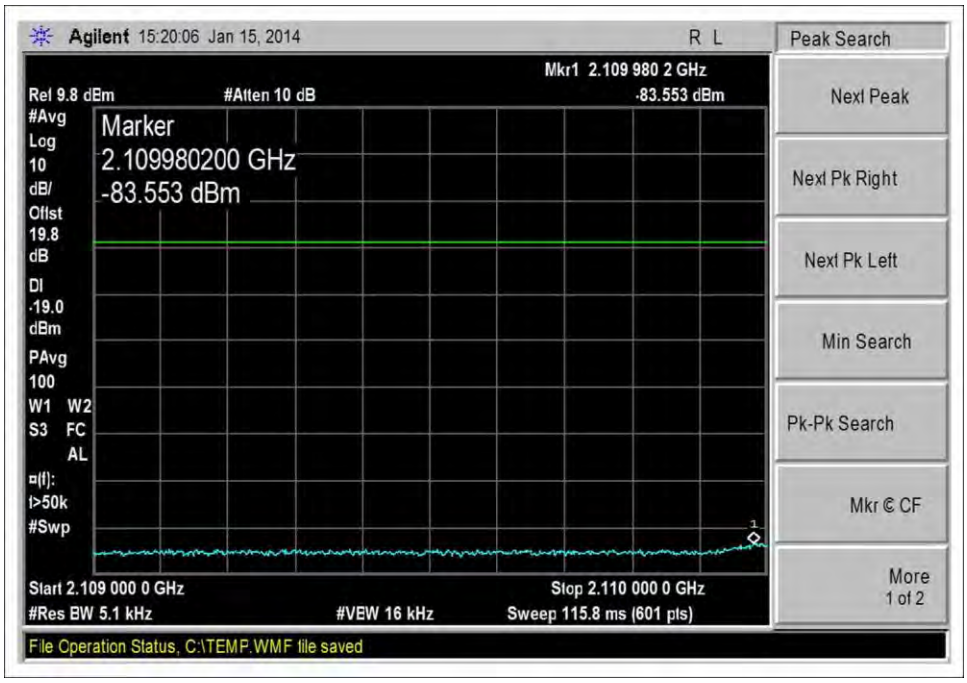
DL_2110-2155MHz_CDMA_L_-62dBm



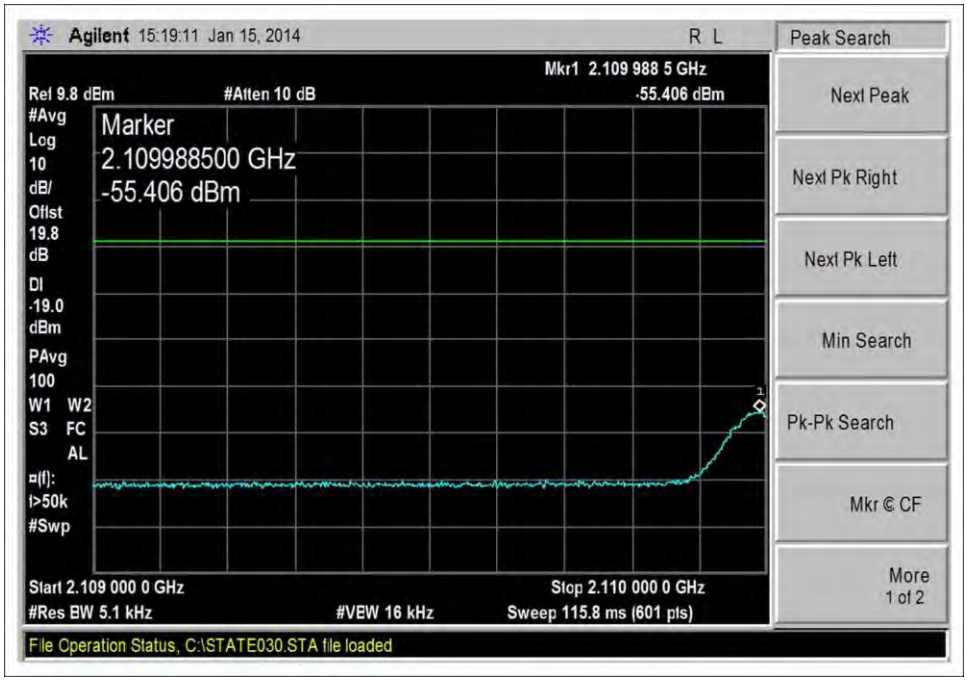
DL_2110-2155MHz_GSM_H_-20dBm



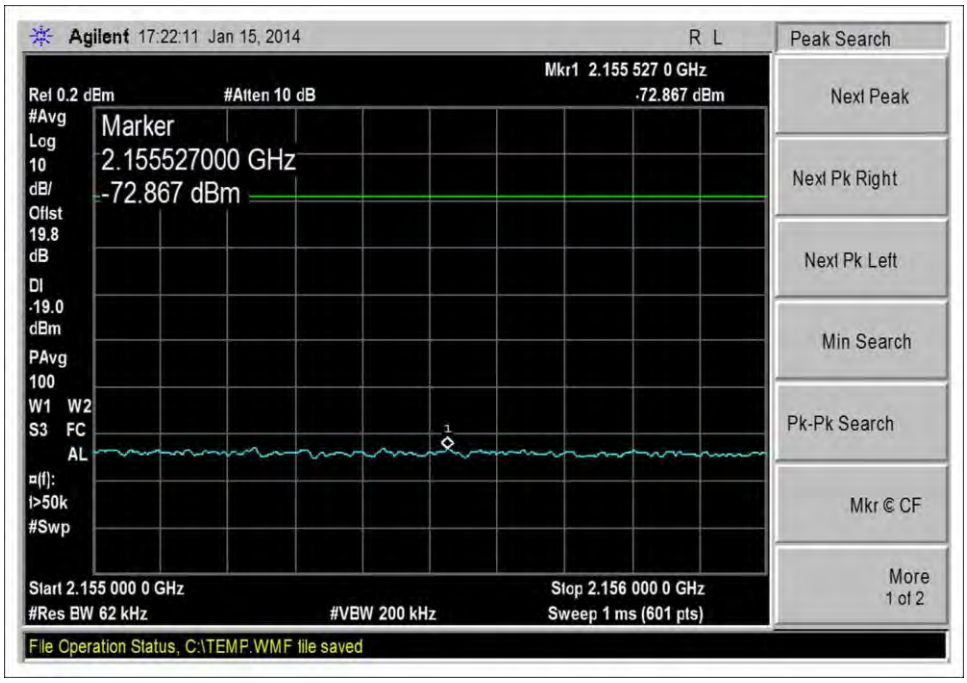
DL_2110-2155MHz_GSM_H_-62dBm



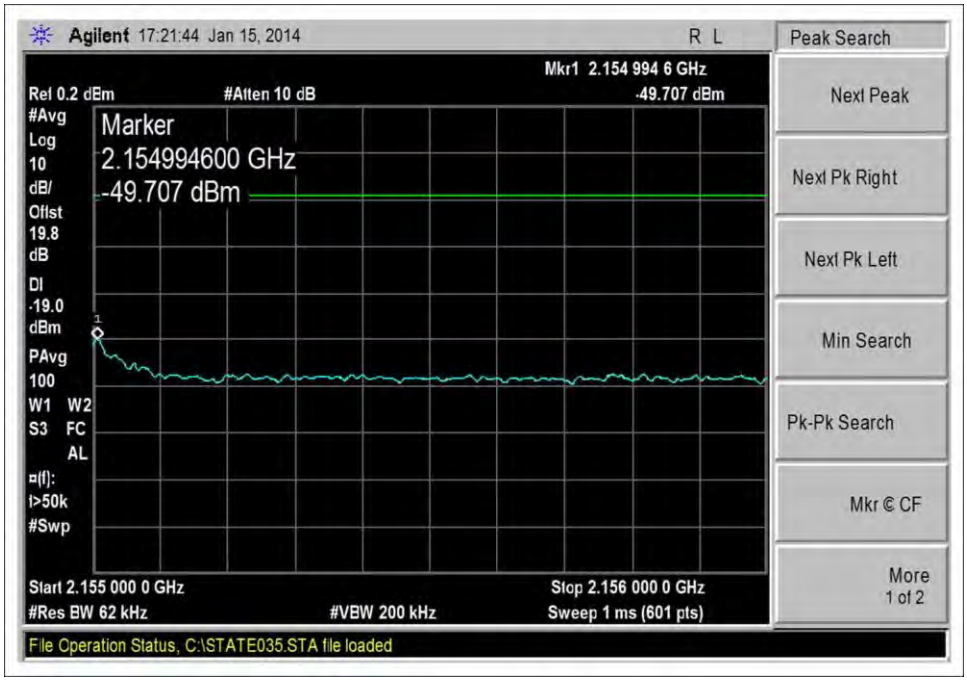
DL_2110-2155MHz_GSM_L_-20dBm



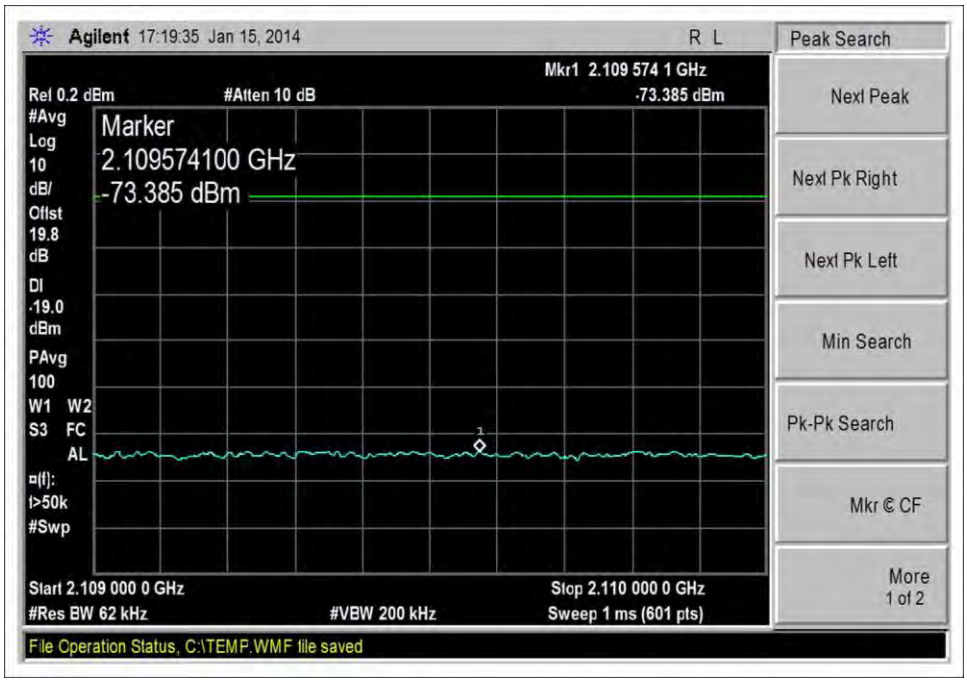
DL_2110-2155MHz_GSM_L_-62dBm



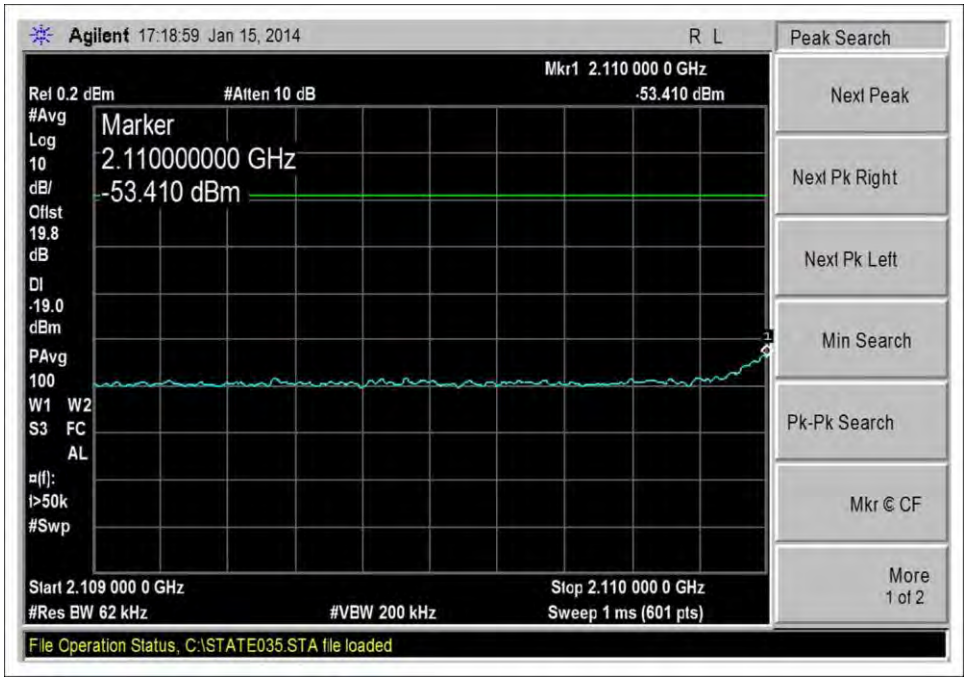
DL_2110-2155MHz_LTE_H_-20dBm



DL_2110-2155MHz_LTE_H_-62dBm



DL_2110-2155MHz_LTE_L_-20dBm



DL_2110-2155MHz_LTE_L_-62dBm

Test Setup Photo(s)

Clause 7.7 Noise limit

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823• 714-993-6112
Customer: **Cellphone-Mate, Inc**
Specification: **7.7 Noise Limits**
Work Order #: **95255** Date: 01/08,09,20/2014
Test Type: **Conducted Emissions**
Equipment: Fixed Wideband Consumer Signal Booster
Manufacturer: Cellphone-Mate, Inc. Tested By: S. Yamamoto
Model: Force-5 110V 60Hz
S/N: (none)

***Test Equipment*:**

Asset #	Description	Model	Calibration Date	Cal Due Date
02672	Spectrum Analyzer	E4446A	9/4/2012	9/4/2014
03431	Attenuator	89-20-21	9/5/2013	9/5/2015
C00082	Coupler	MECA Electronics, Inc	8/21/2013	8/21/2015
03412	Filter	PE8705	8/26/2013	8/26/2015
03413	Filter	PE8706	8/26/2013	8/26/2015
03414	Filter	PE8707	8/26/2013	8/26/2015
03415	Filter	PE8708	8/26/2013	8/26/2015
03447	Filter	PE8710	9/20/2013	9/20/2015
03448	Filter	PE8711	9/20/2013	9/20/2015
03446	Filter	4FV50-707/H18-O/O	1/6/2014	1/6/2016
03467	Filter	4FV50-731/H30-O/O	1/6/2014	1/6/2016
03468	Filter	4CS10-781.5/E12.2-O/O	1/6/2014	1/6/2016
03469	Filter	4CS10-751.5/E12-O/O	1/6/2014	1/6/2016
AN02946	Cable	32022-2-2909K-36TC	7/31/2013	7/31/2015

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Fixed Wideband Consumer Signal Booster *	Cellphone-Mate, Inc.	Force-5	(none)

Support Devices:

Function	Manufacturer	Model #	S/N
Signal Generator	Agilent	E4438B	US40052164
AC to 18Vdc Power Adapter	Adapter Tech.	STD-1805	(none)

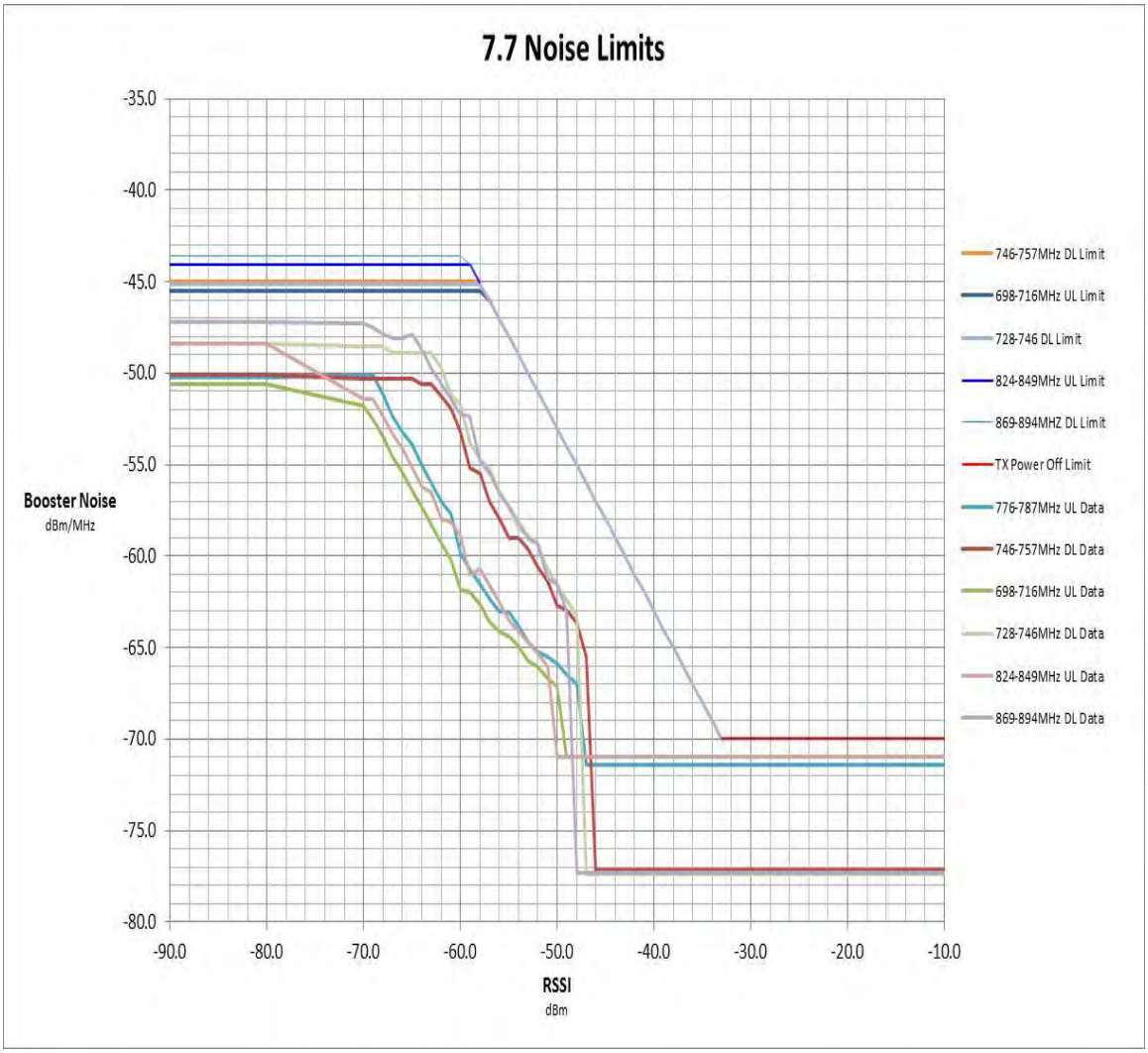
Test Conditions / Notes:

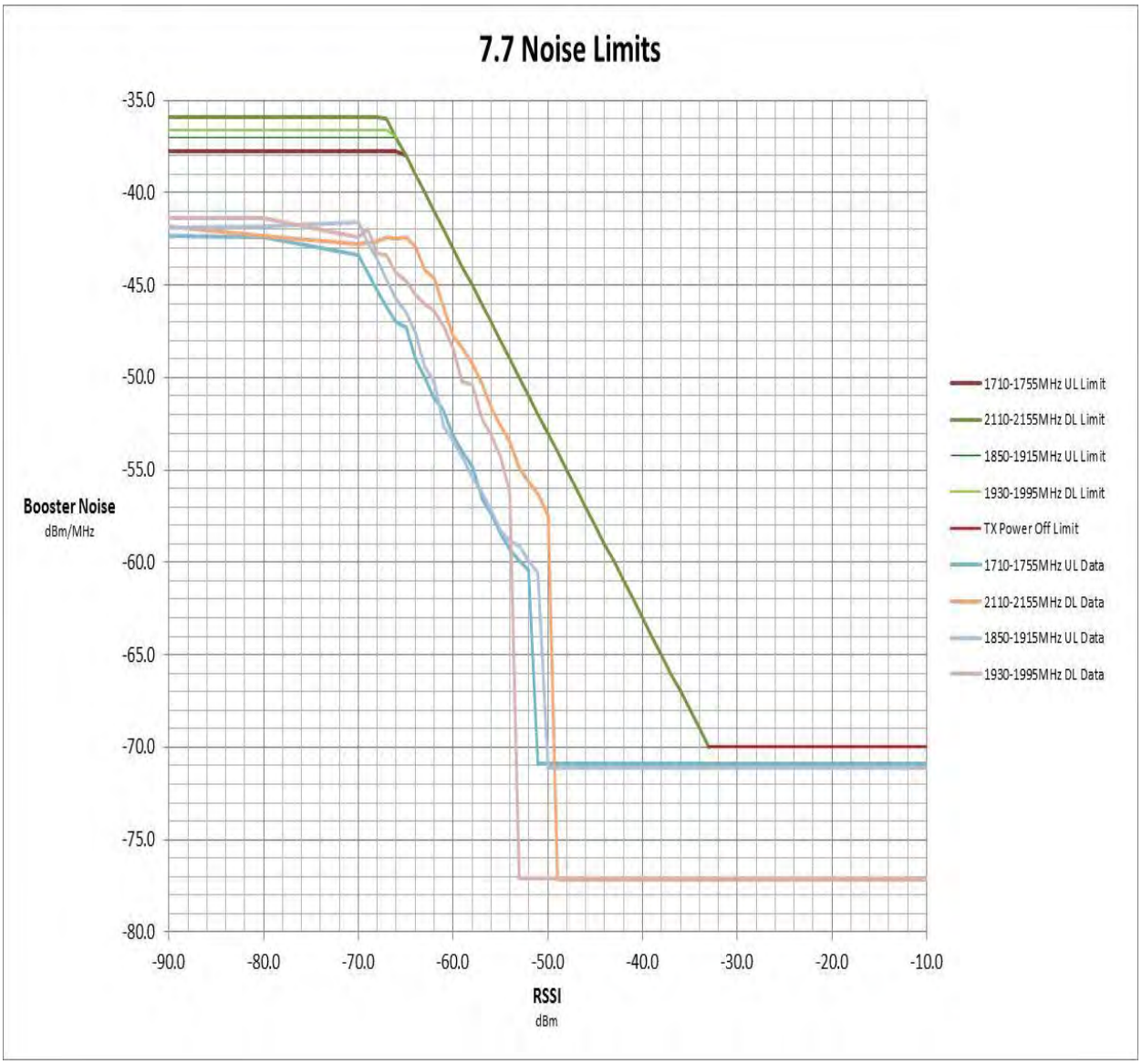
The EUT is placed on the test bench. Gain is set to the maximum gain. All dip switches are set to off position.
Evaluation performed at the Outside (Donor) and Inside (Server) antenna port.
Test performed at for each of the following bands: UL 776-787MHz, UL 698-716MHz, UL 824-849MHz, UL 1710-1755MHz, UL 1850-1915MHz, DL 746-757MHz, DL 728-746MHz, DL 869-894MHz, DL 2110-2155MHz, DL 1930-1995MHz
Noise Limits test procedure: The test was performed in accordance with section 7.7 of the FCC Publication: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance DR04-41516: August 7, 2013.
Site D. Test environment conditions: 20°C, 35%, 100kPa

Test Data

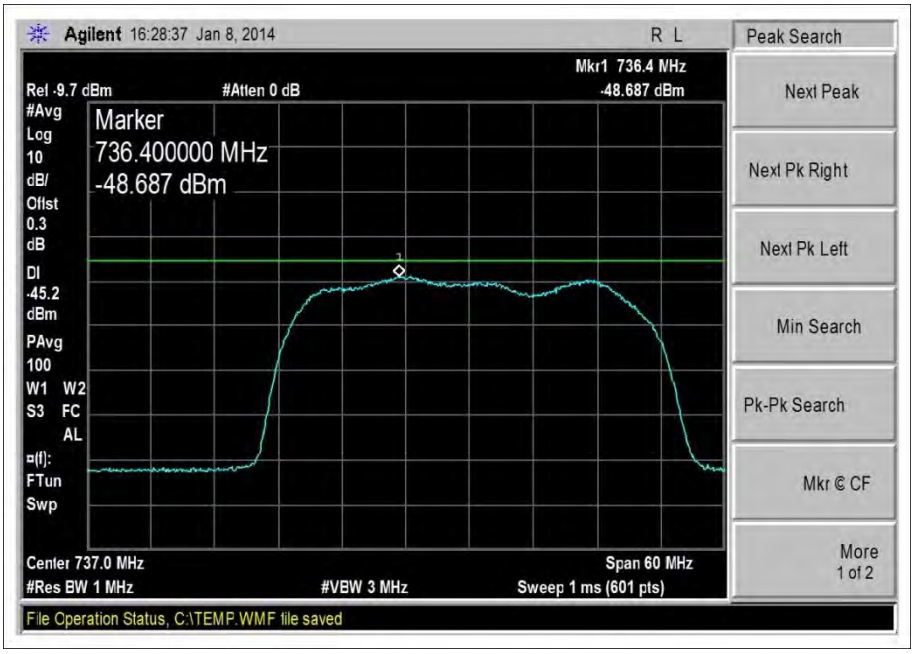
Noise Limits Summary Table / Six Values Closest To Limit					
RSSI Level (dBm)	**Measured Noise Power Level (dBm/MHz)**	**Limit Region**	**Limit Line (dBm/MHz)**	**Margin (dB)**	**Frequency Band (MHz)**
-31.0	-71.4	Tx Power Off	-70	-1.4	776-787 MHz UL
-30.0	-71.4	Tx Power Off	-70	-1.4	776-787 MHz UL
-20.0	-71.4	Tx Power Off	-70	-1.4	776-787 MHz UL
-10.0	-71.4	Tx Power Off	-70	-1.4	776-787 MHz UL
-33	-71.4	RSSI Dependent	-70	-1.4	776-787 MHz UL
-34	-71.4	RSSI Dependent	-69	-2.4	776-787 MHz UL
-90.0	-50.1	Frequency Dependent	-44.6	-5.5	746-757 MHz DL
-80.0	-50.1	Frequency Dependent	-44.6	-5.5	746-757 MHz DL
-70.0	-50.3	Frequency Dependent	-44.6	-5.7	746-757 MHz DL
-69.0	-50.3	Frequency Dependent	-44.6	-5.7	746-757 MHz DL
-34.0	-77.2	RSSI Dependent	-70	-7.2	746-757 MHz DL
-33.0	-77.2	RSSI Dependent	-69	-8.2	746-757 MHz DL
-31.0	-71.0	Tx Power Off	-70	-1	698-716 MHz UL
-30.0	-71.0	Tx Power Off	-70	-1	698-716 MHz UL
-20.0	-71.0	Tx Power Off	-70	-1	698-716 MHz UL
-10.0	-71.0	Tx Power Off	-70	-1	698-716 MHz UL
-33	-71.0	RSSI Dependent	-70	-1	698-716 MHz UL
-34	-71.0	RSSI Dependent	-69	-2	698-716 MHz UL
-90.0	-48.4	Frequency Dependent	-44.1	-4.3	728-746 MHz DL
-80.0	-48.4	Frequency Dependent	-44.1	-4.3	728-746 MHz DL
-70.0	-48.5	Frequency Dependent	-44.1	-4.4	728-746 MHz DL
-69.0	-48.5	Frequency Dependent	-44.1	-4.4	728-746 MHz DL
-33	-77.4	RSSI Dependent	-70	-7.4	728-746 MHz DL
-48	-63.2	RSSI Dependent	-55	-8.2	728-746 MHz DL
-31.0	-71.0	Frequency Dependent	-70	-1	824-849 MHz UL
-30.0	-71.0	Frequency Dependent	-70	-1	824-849 MHz UL
-20.0	-71.0	Frequency Dependent	-70	-1	824-849 MHz UL
-10.0	-71.0	Frequency Dependent	-70	-1	824-849 MHz UL
-33	-71	RSSI Dependent	-70	-1	824-849 MHz UL
-34	-71	RSSI Dependent	-69	-2	824-849 MHz UL

RSSI Level (dBm)	Measured Noise Power Level (dBm/MHz)	Limit Region	Limit Line (dBm/MHz)	Margin (dB)	Frequency Band (MHz)
-90.0	-47.2	Frequency Dependent	-45.5	-1.7	869-894 MHz DL
-80.0	-47.2	Frequency Dependent	-45.5	-1.7	869-894 MHz DL
-70.0	-47.3	Frequency Dependent	-45.5	-1.8	869-894 MHz DL
-69.0	-47.5	Frequency Dependent	-45.5	-2.0	869-894 MHz DL
-33	-77.3	RSSI Dependent	-70	-7.3	869-894 MHz DL
-34	-77.3	RSSI Dependent	-69	-8.3	869-894 MHz DL
-31.0	-70.9	Tx Power Off	-70	-0.9	1710-1755 MHz UL
-30.0	-70.9	Tx Power Off	-70	-0.9	1710-1755 MHz UL
-20.0	-70.9	Tx Power Off	-70	-0.9	1710-1755 MHz UL
-10.0	-70.9	Tx Power Off	-70	-0.9	1710-1755 MHz UL
-34	-70.9	RSSI Dependent	-69	-1.9	1710-1755 MHz UL
-36	-70.9	RSSI Dependent	-67	-3.9	1710-1755 MHz UL
-62	-44.6	RSSI Dependent	-41	-3.6	2110-2155 MHz DL
-64	-42.9	RSSI Dependent	-39	-3.9	2110-2155 MHz DL
-90	-41.8	Frequency Dependent	-37.7	-4.1	2110-2155 MHz DL
-63	-44.2	RSSI Dependent	-40	-4.2	2110-2155 MHz DL
-61	-46.2	RSSI Dependent	-42	-4.2	2110-2155 MHz DL
-58	-49.3	RSSI Dependent	-45	-4.3	2110-2155 MHz DL
-31.0	-71.1	Tx Power Off	-70	-1.1	1850-1915 MHz UL
-30.0	-71.1	Tx Power Off	-70	-1.1	1850-1915 MHz UL
-20.0	-71.1	Tx Power Off	-70	-1.1	1850-1915 MHz UL
-10.0	-71.1	Tx Power Off	-70	-1.1	1850-1915 MHz UL
-34	-71.1	RSSI Dependent	-69	-2.1	1850-1915 MHz UL
-36	-71.1	RSSI Dependent	-67	-4.1	1850-1915 MHz UL
-90.0	-41.4	Frequency Dependent	-37.0	-4.4	1930-1995 MHz DL
-80	-41.4	Frequency Dependent	-37.0	-4.4	1930-1995 MHz DL
-69	-42	Frequency Dependent	-37.0	-5	1930-1995 MHz DL
-70	-42.4	Frequency Dependent	-37.0	-5.4	1930-1995 MHz DL
-61	-47.2	RSSI Dependent	-42	-5.2	1930-1995 MHz DL
-60	-48.4	RSSI Dependent	-43	-5.4	1930-1995 MHz DL

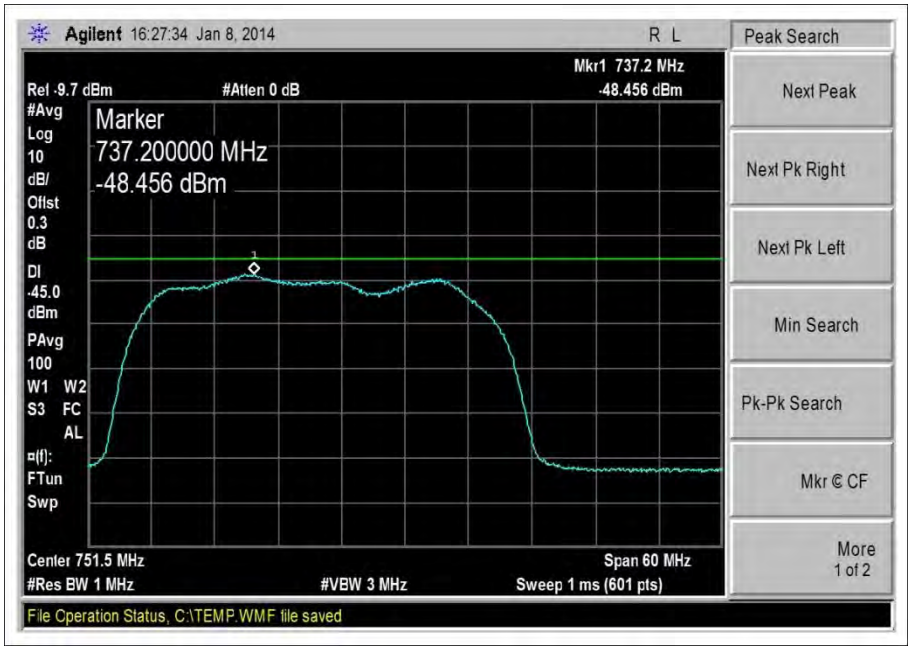

7.7 Noise Limits
Booster Noise
dBm/MHz
-35.0
-40.0
-45.0
-50.0
-55.0
-60.0
-65.0
-70.0
-75.0
-80.0
-90.0
-80.0
-70.0
-60.0
-50.0
-40.0
-30.0
-20.0
-10.0
RSSI
dBm
746-757MHz DL Limit
698-716MHz UL Limit
728-746 DL Limit
824-849MHz UL Limit
869-894MHZ DL Limit
TX Power Off Limit
776-787MHz UL Data
746-757MHz DL Data
698-716MHz UL Data
728-746MHz DL Data
824-849MHz UL Data
869-894MHz DL Data


7.7 Noise Limits
Booster Noise
dBm/MHz
-35.0
-40.0
-45.0
-50.0
-55.0
-60.0
-65.0
-70.0
-75.0
-80.0
-90.0
-80.0
-70.0
-60.0
-50.0
-40.0
-30.0
-20.0
-10.0
RSSI
dBm
1710-1755MHz UL Limit
2110-2155MHz DL Limit
1850-1915MHz UL Limit
1930-1995MHz DL Limit
TX Power Off Limit
1710-1755MHz UL Data
2110-2155MHz DL Data
1850-1915MHz UL Data
1930-1995MHz DL Data

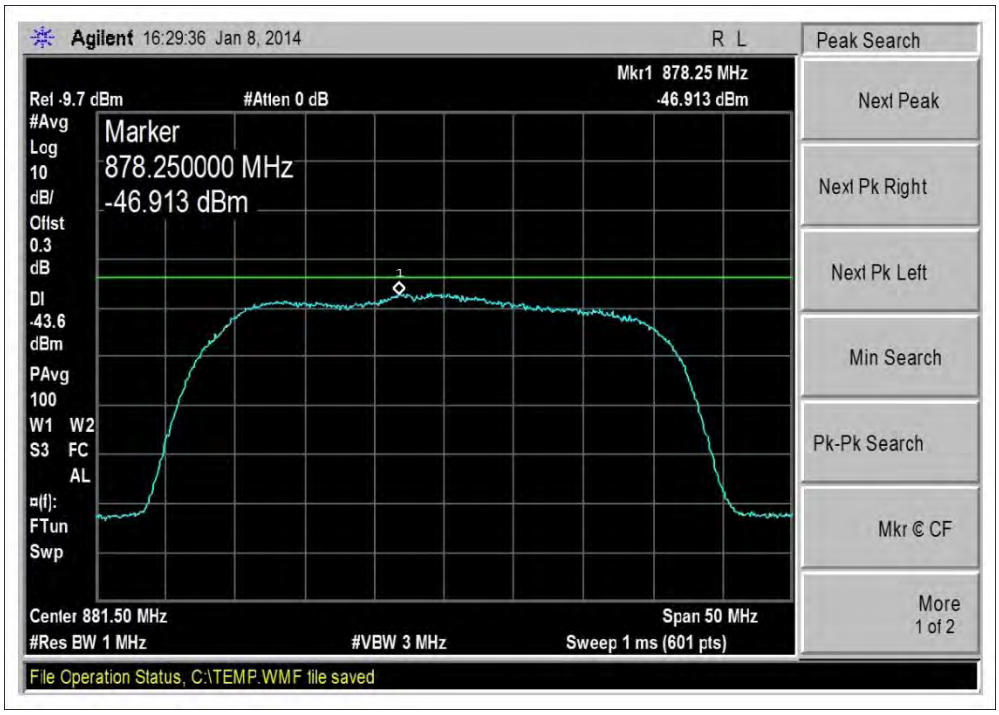
Test Data



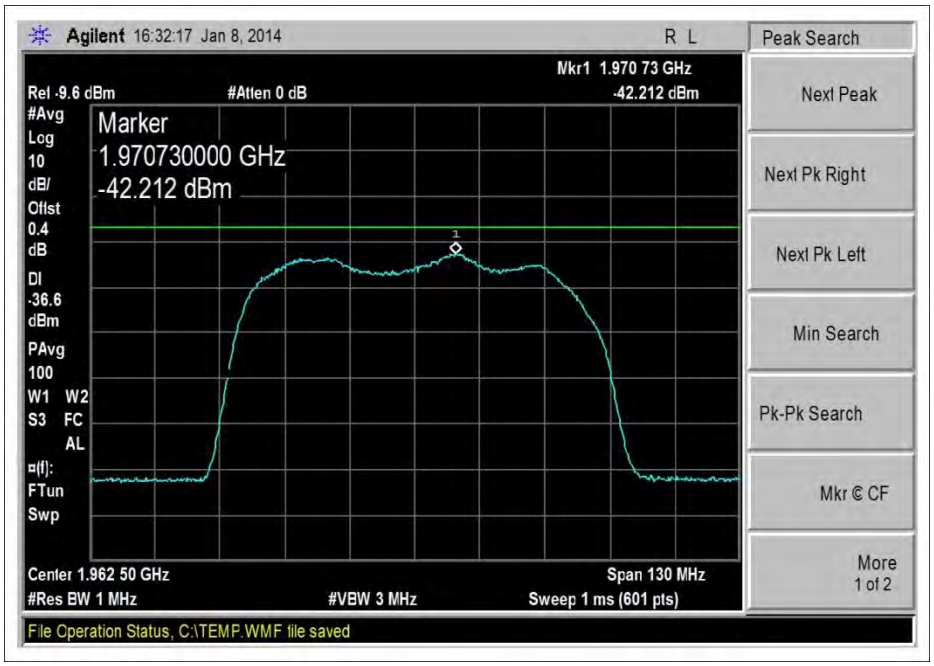
Max Noise Level_DL_728-746MHz



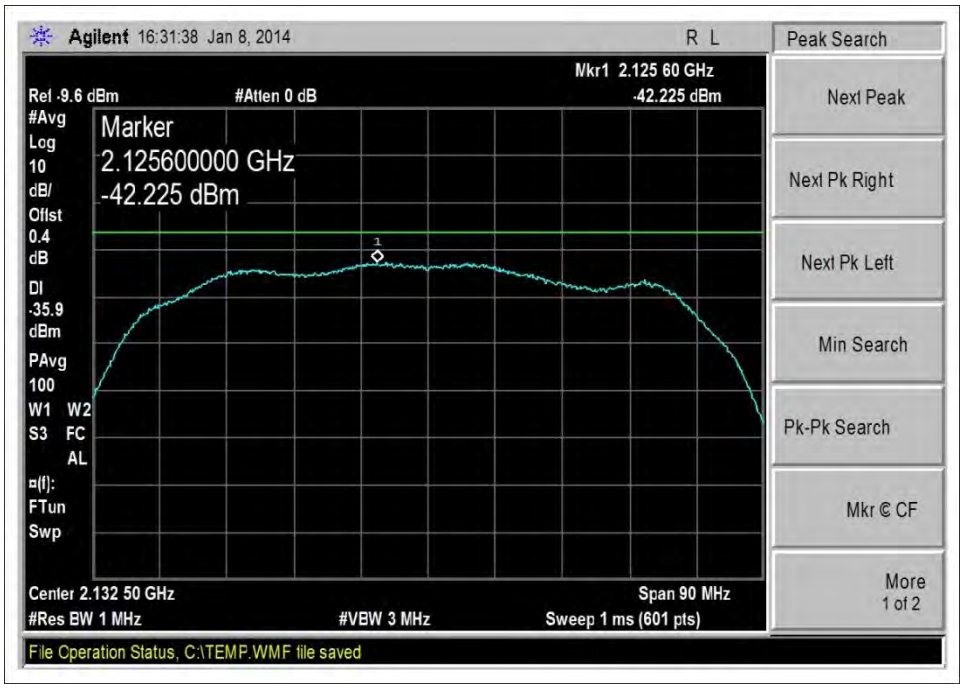
Max Noise Level_DL_746-757MHz



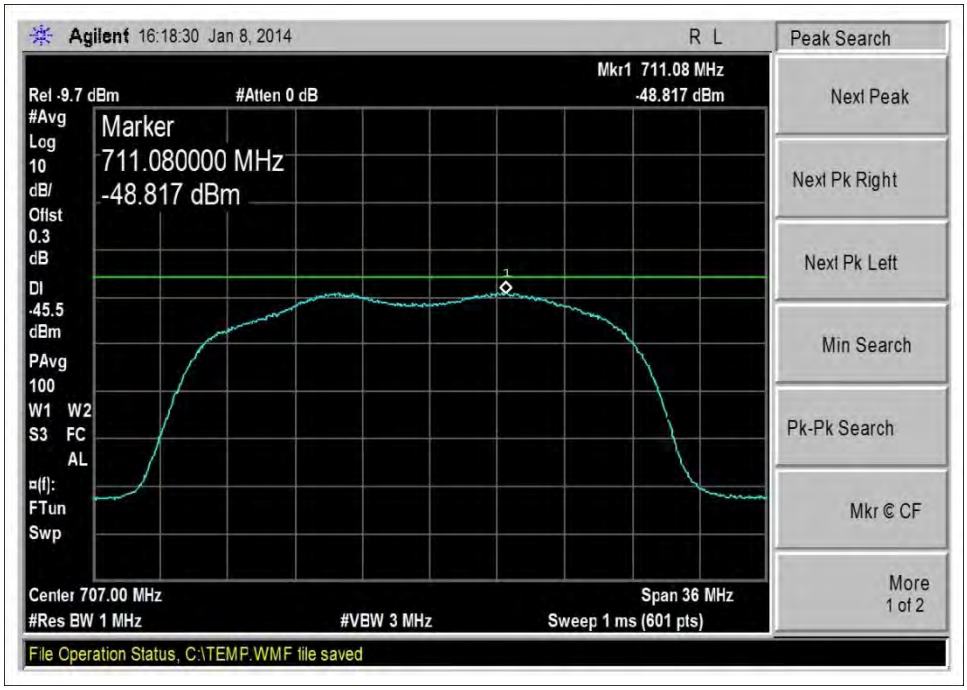
Max Noise Level_DL_869-894MHz



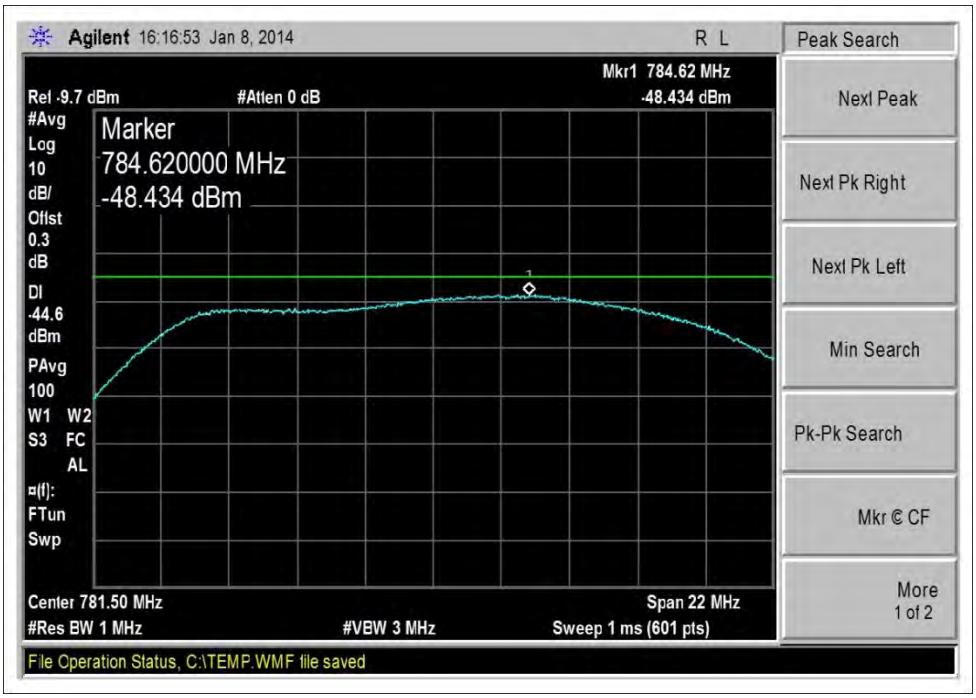
Max Noise Level_DL_1930-1995MHz



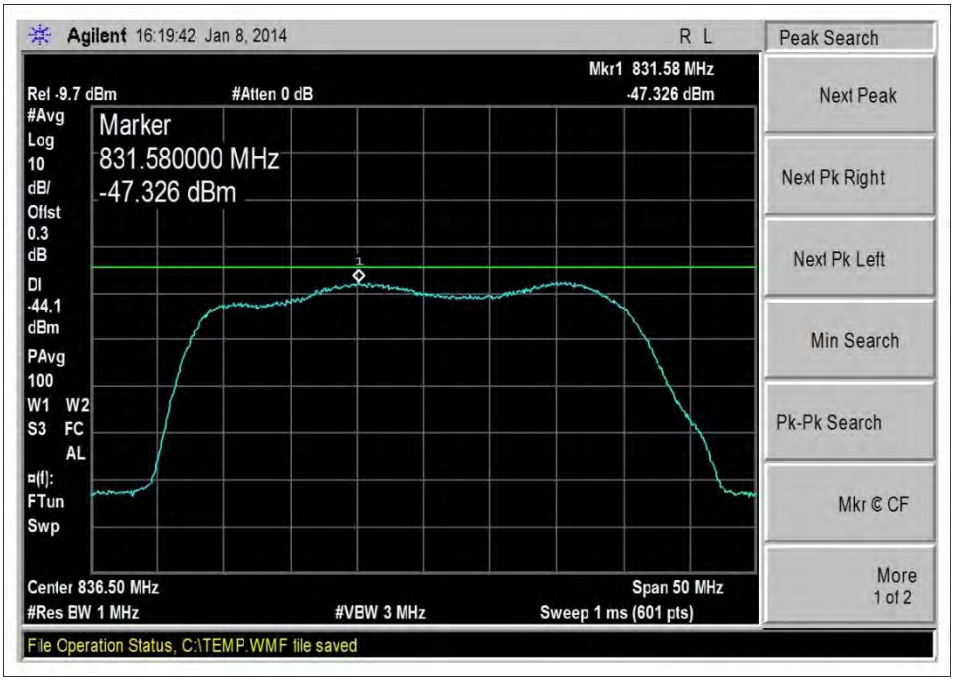
Max Noise Level_DL_2110-2155MHz



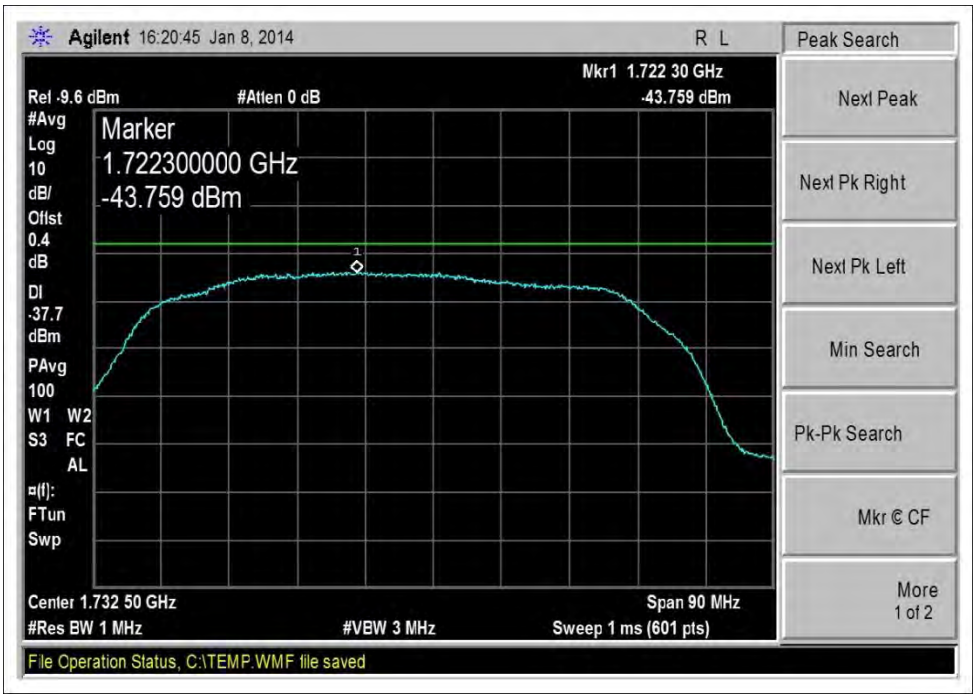
Max Noise Level_UL_698-716MHz



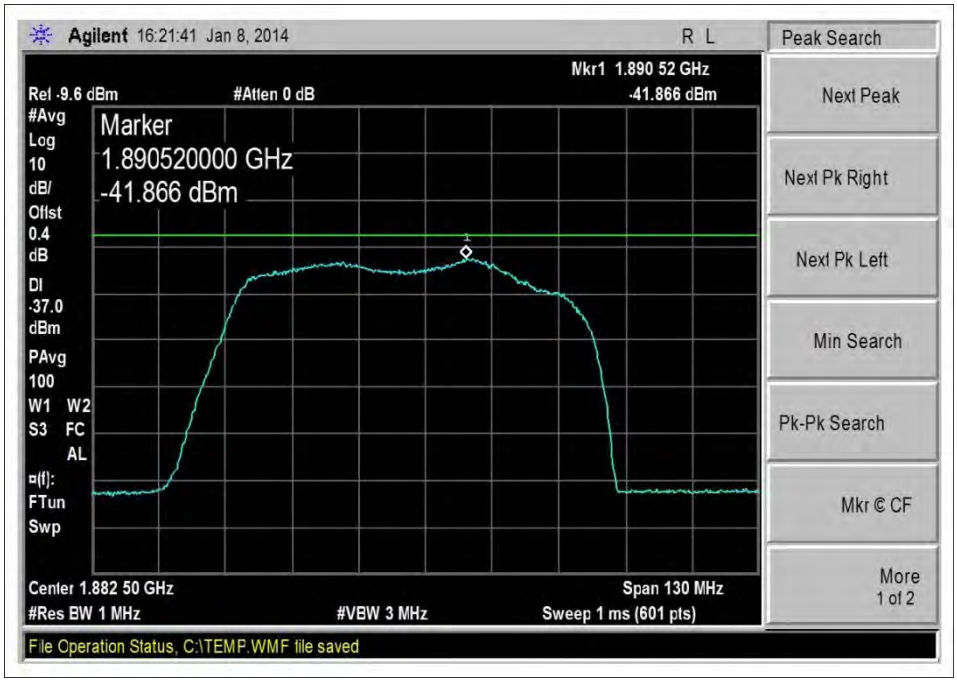
Max Noise Level_UL_776-787MHz



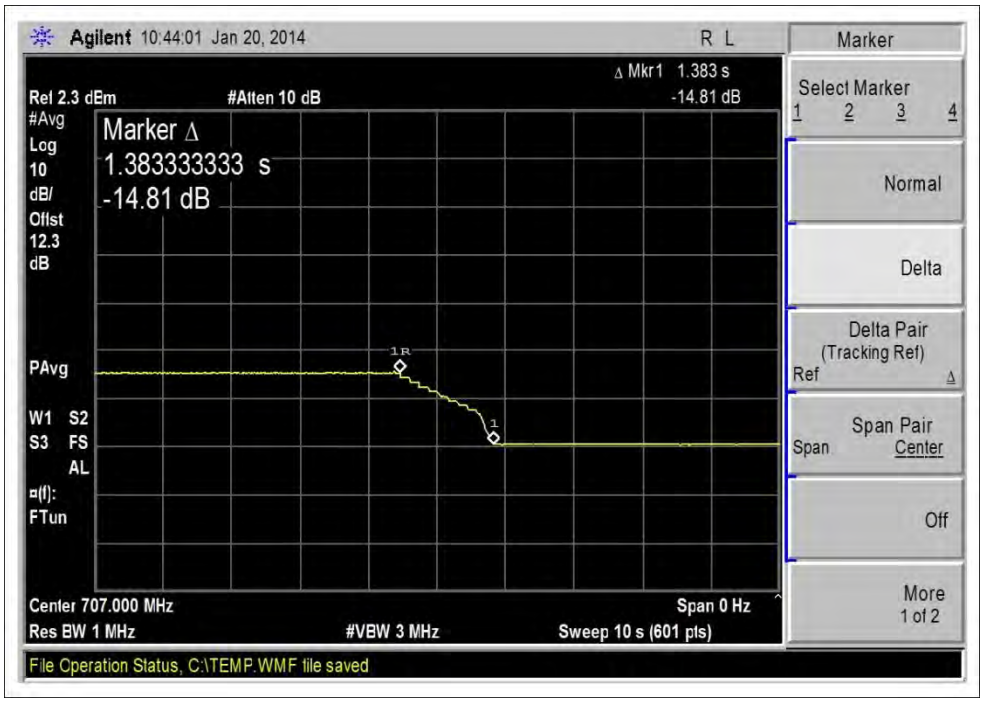
Max Noise Level_UL_824-849MHz



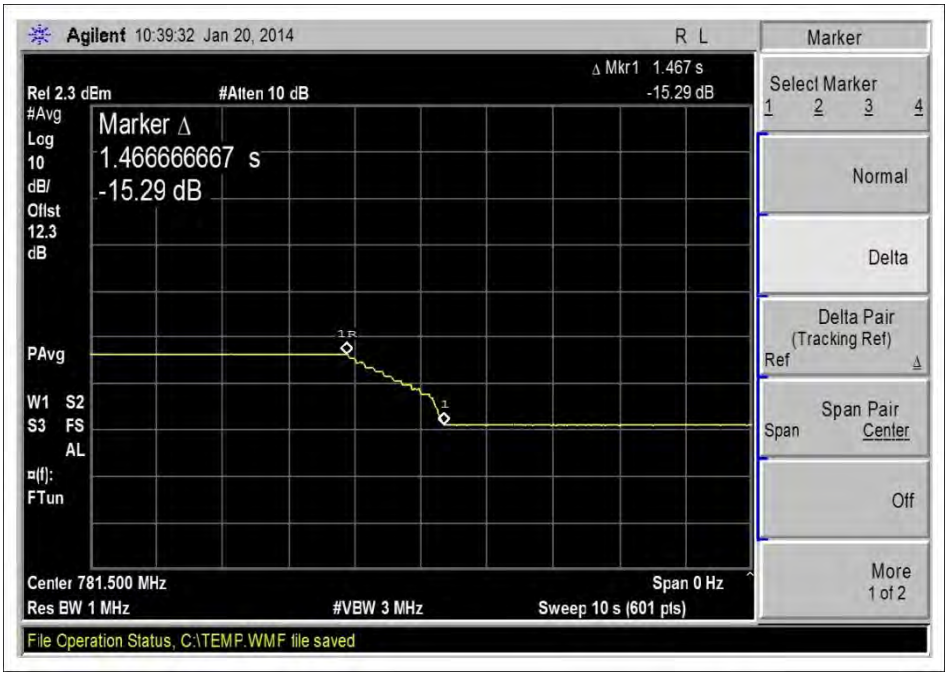
7.7_Max Noise Level_UL_1710-1755MHz



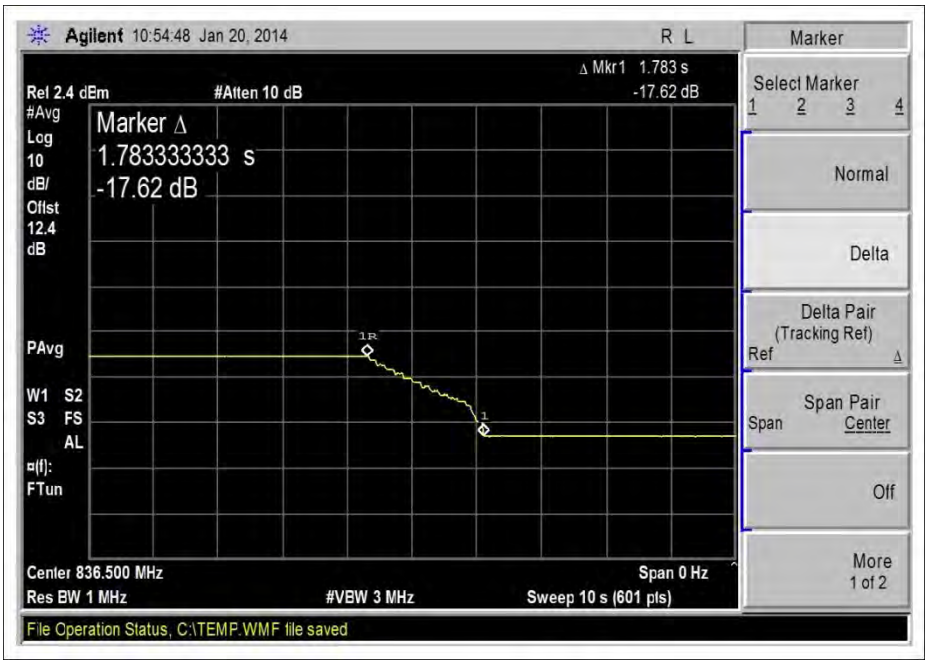
Max Noise Level_UL_1850-1915MHz



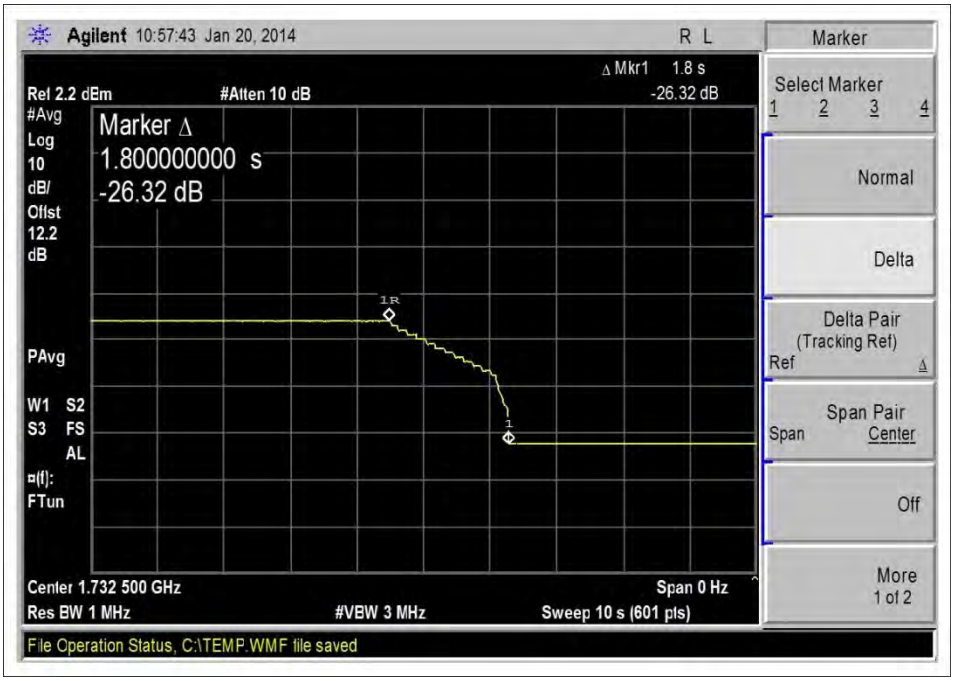
VariableNoiseTiming_UL_698-716MHz



VariableNoiseTiming_UL_776-787MHz



VariableNoiseTiming_UL_824-849MHz



VariableNoiseTiming_UL_1710-1755MHz

VariableNoiseTiming_UL_1850-1915MHz

Test Setup Photo(s)

Overall Test Setup, Uplink

Test Setup, Downlink

Clause 7.8 Uplink Inactivity

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823• 714-993-6112

Customer: **Cellphone-Mate, Inc**
Specification: **7.8 Uplink Inactivity**
Work Order #: **95255** Date: 01/10/2014
Test Type: **Conducted Emissions**
Equipment: Fixed Wideband Consumer Signal Booster
Manufacturer: Cellphone-Mate, Inc. Tested By: S. Yamamoto
Model: Force-5 110V 60Hz
S/N: (none)

***Test Equipment*:**

Asset #	Description	Model	Calibration Date	Cal Due Date
02672	Spectrum Analyzer	E4446A	9/4/2013	9/4/2015
02946	Cable	32022-2-2909K-36TC	7/31/2013	7/31/2015

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Fixed Wideband Consumer Signal Booster *	Cellphone-Mate, Inc.	Force-5	(none)

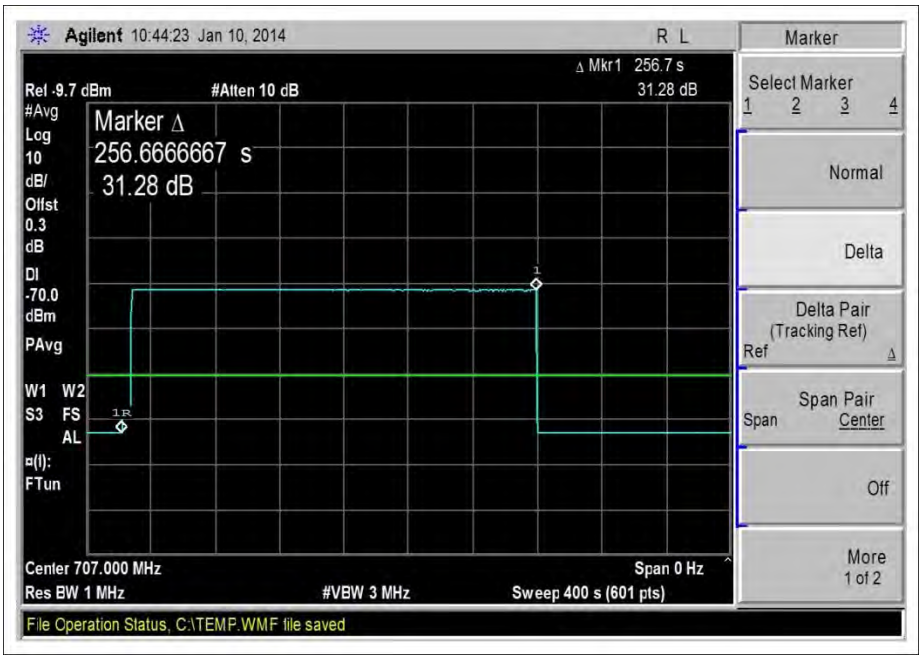
Support Devices:

Function	Manufacturer	Model #	S/N
AC to 18Vdc Power Adapter	Adapter Tech.	STD-1805	(none)

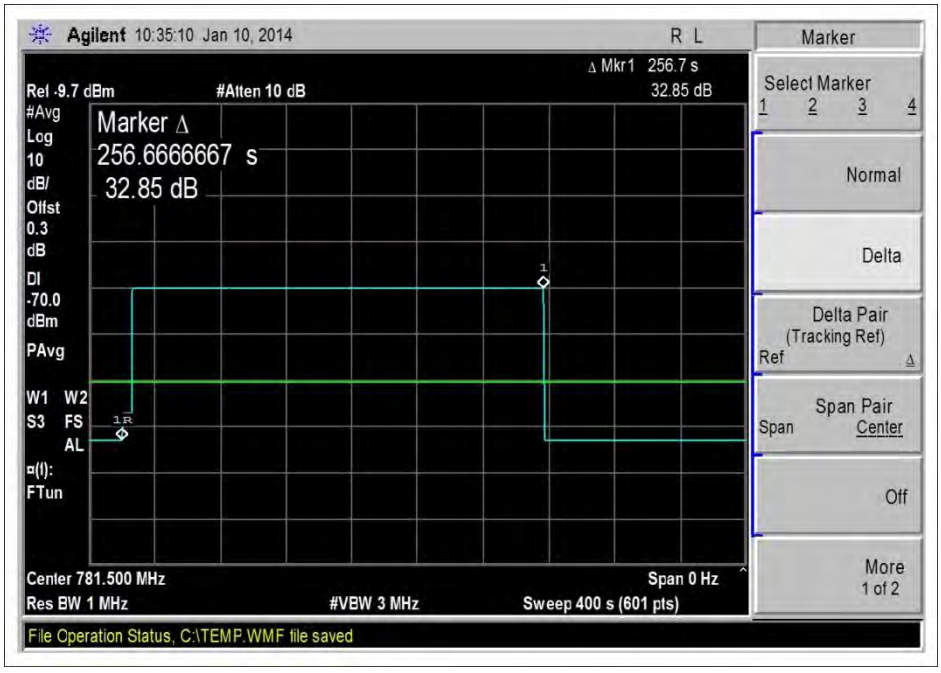
Test Conditions / Notes:

The EUT is placed on the test bench. Gain is set to the maximum gain. All dip switches are set to off position.
Evaluation performed at the Outside (Donor) antenna port.
Test performed at the frequency of highest power within each of the following bands: UL 776-787MHz, UL 698-716MHz, UL 824-849MHz, UL 1710-1755MHz, UL 1850-1915MHz
Test procedure: The test was performed in accordance with section 7.8 of the FCC Publication: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance DR04-41516 August 7, 2013.
Test environment conditions: 21°C, 31% , 100kPa

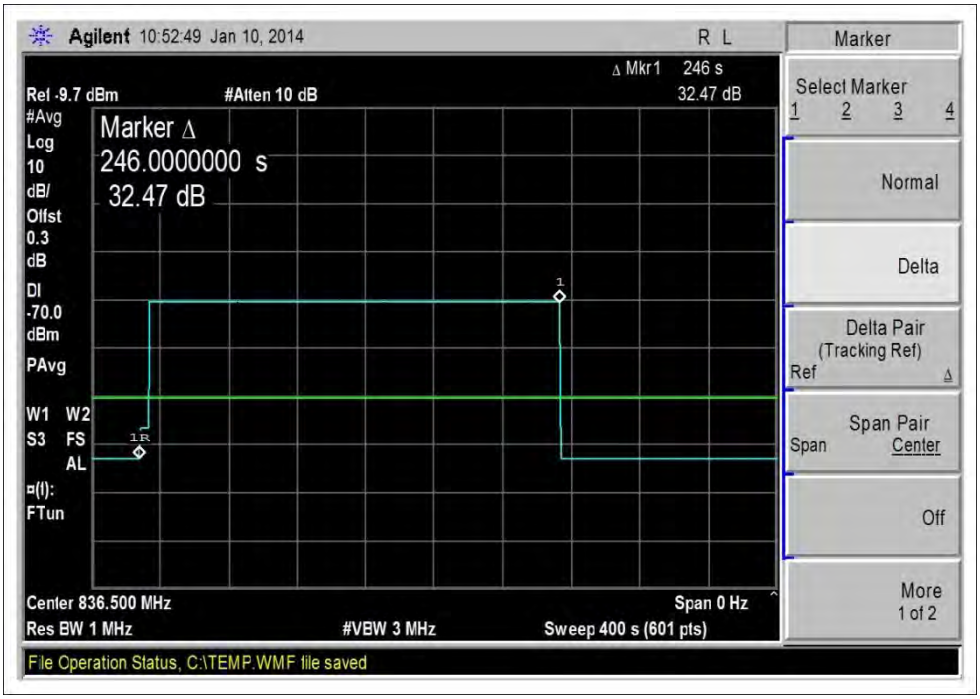
Test Data



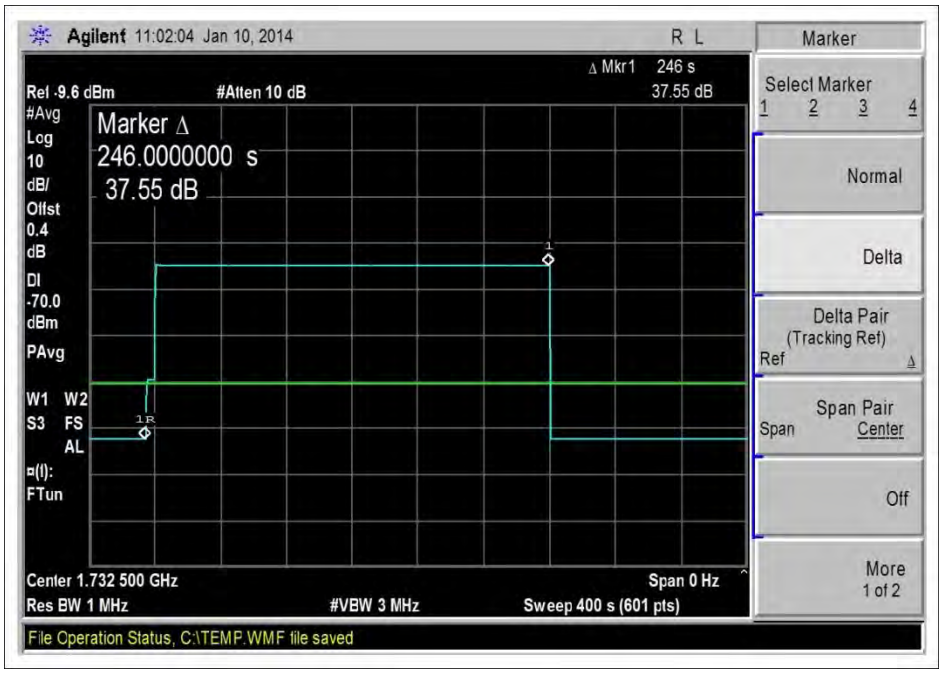
Uplink Inactivity 698-716MHz



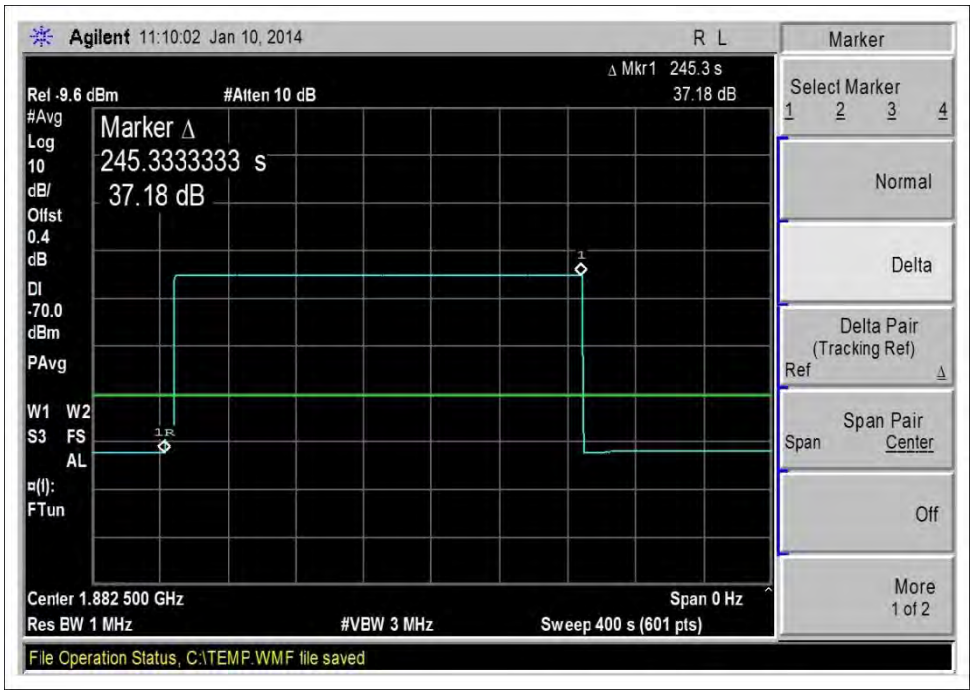
Uplink Inactivity 776-787MHz



Uplink Inactivity 824-849MHz



Uplink Inactivity 1710-1755MHz



Uplink Inactivity 1850-1915MHz

Test Setup Photo(s)

Clause 7.9 Booster Gain Limit

Test Location: CKC Laboratories Inc. 110 N Olinda Pl, Brea CA 92823 7149936112

Customer: **Cellphone-Mate, Inc**
Specification: **7.9 Variable Booster Gain**
Work Order #: **95255** Date: 01/10/2014
Test Type: **Conducted Emissions**
Equipment: Fixed Wideband Consumer Signal Booster
Manufacturer: Cellphone-Mate, Inc. Tested By: S. Yamamoto
Model: Force-5 110V 60Hz
S/N: (none)

***Test Equipment*:**

Asset #	Description	Model	Calibration Date	Cal Due Date
02672	Spectrum Analyzer	E4446A	9/4/2012	9/4/2014
03431	Attenuator	89-20-21	9/5/2013	9/5/2015
C00082	Coupler	MECA Electronics, Inc	8/21/2013	8/21/2015
02946	Cable	32022-2-2909K-36TC	7/31/2013	7/31/2015

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
Fixed Wideband Consumer Signal Booster *	Cellphone-Mate, Inc.	Force-5	(none)

Support Devices:

Function	Manufacturer	Model #	S/N
Signal Generator	Agilent	E4438C	MY42082260
Signal Generator	Agilent	E4438C	MY42081492
AC to 18Vdc Power Adapter	Adapter Tech.	STD-1805	(none)

Test Conditions / Notes:

The EUT is placed on the test bench. Gain is set to the maximum gain. All dip switches are set to off position.
Evaluation performed at the Outside (Donor) antenna port.
Test performed at for each of the following bands: UL 776-787MHz, UL 698-716MHz, UL 824-849MHz, UL 1710-1755MHz, UL 1850-1915MHz

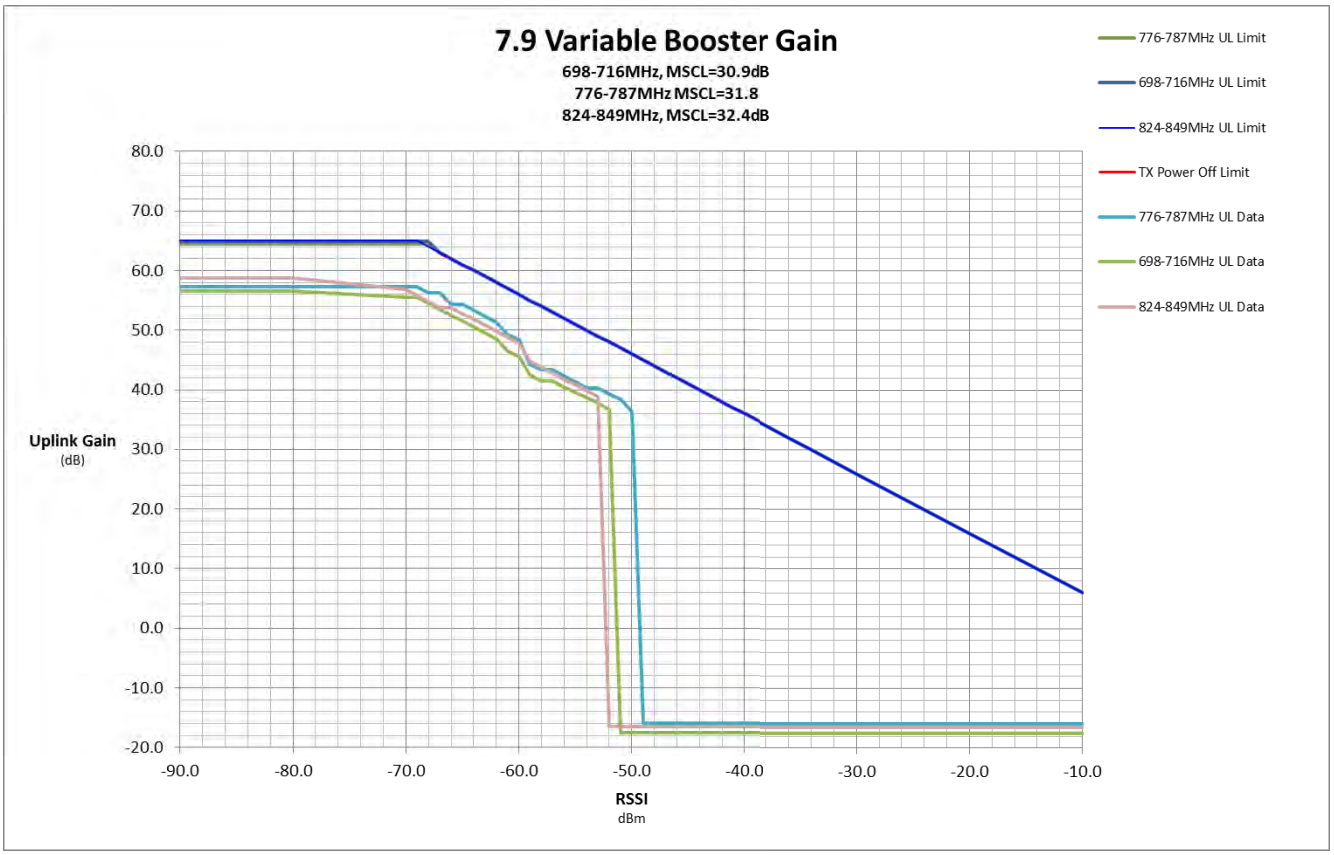
1710-1755MHz MSCL= 36.5dB
1850-1915MHz, MSCL=37.4dB
698-716MHz, MSCL=30.9dB
776-787MHz MSCL=31.8dB
824-849MHz, MSCL=32.4dB

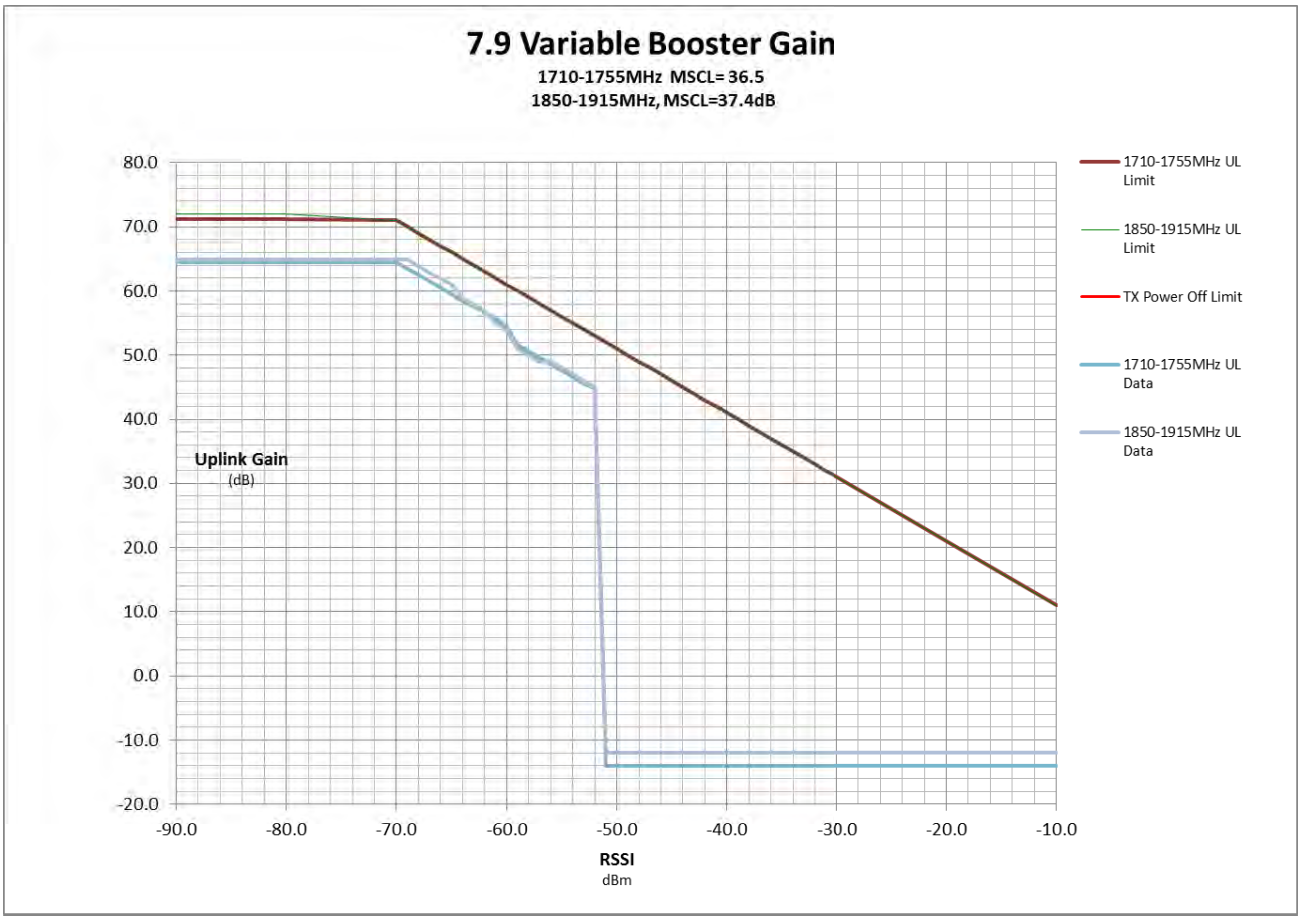
MSCL value obtained from manufacturer provided MSCL calculation MSCL Calculation Force 5 1-18-14 V1 0 .pdf

Variable Booster Gain test procedure: The test was performed IAW section 7.9 of the FCC Publication: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance DR04-41516: August 7, 2013.
Site D. Test environment conditions: 21C, 37%, 100kPa

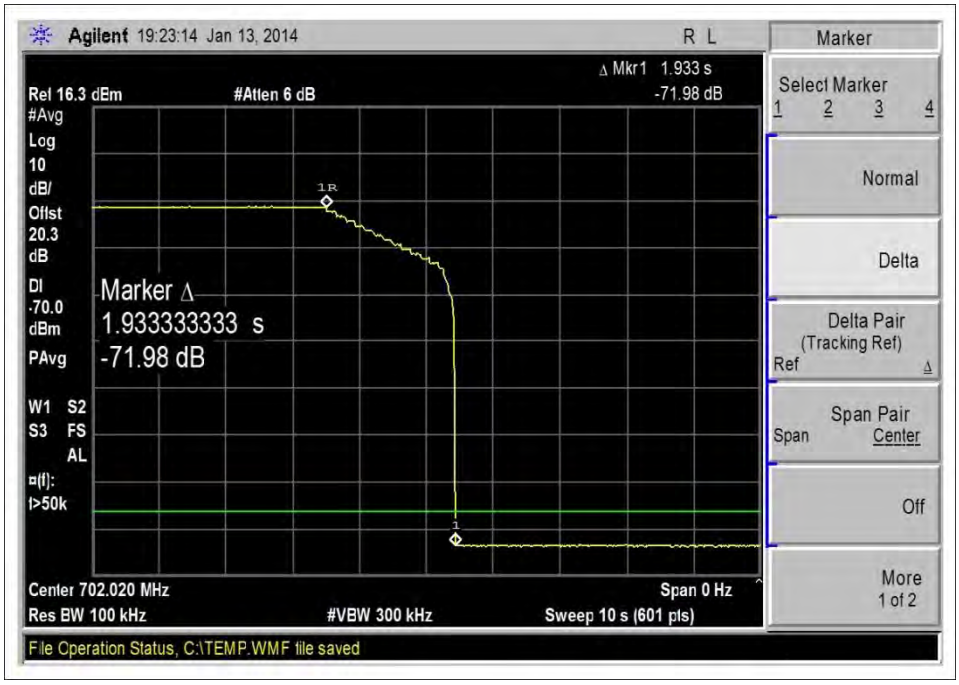
Test Data

Booster Gain Summary Table / Six Values Closest To Limit					
RSSI Level (dBm)	**Measured Uplink Gain Level (dB)**	**Limit Region**	**Limit Line (dB)**	**Margin (dB)**	**Frequency Band (MHz)**
-90.0	56.5	Frequency Dependent	64.9	-8.4	698-716 MHz UL
-80.0	56.5	Frequency Dependent	64.9	-8.4	698-716 MHz UL
-70.0	55.5	Frequency Dependent	64.9	-9.4	698-716 MHz UL
-69.0	55.5	Frequency Dependent	64.9	-9.4	698-716 MHz UL
-67.0	53.5	RSSI Dependent	63.0	-9.5	698-716 MHz UL
-66.0	52.5	RSSI Dependent	62.0	-9.5	698-716 MHz UL
-65.0	54.3	RSSI Dependent	61.0	-6.7	776-787 MHz UL
-64.0	53.3	RSSI Dependent	60.0	-6.7	776-787 MHz UL
-63.0	52.3	RSSI Dependent	59.0	-6.7	776-787 MHz UL
-62.0	51.3	RSSI Dependent	58.0	-6.7	776-787 MHz UL
-67	56.3	RSSI Dependent	63	-6.7	776-787 MHz UL
-90	57.3	Frequency Dependent	64.4	-7.1	776-787 MHz UL
-90.0	58.7	RSSI Dependent	65.1	-6.4	824-849 MHz UL
-80.0	58.7	RSSI Dependent	65.1	-6.4	824-849 MHz UL
-66.0	53.8	RSSI Dependent	62.0	-8.2	824-849 MHz UL
-65.0	52.8	RSSI Dependent	61.0	-8.2	824-849 MHz UL
-64.0	51.8	RSSI Dependent	60.0	-8.2	824-849 MHz UL
-63.0	50.8	RSSI Dependent	59.0	-8.2	824-849 MHz UL
-61	55.6	RSSI Dependent	62	-6.4	1710-1755 MHz UL
-62	56.6	RSSI Dependent	63	-6.4	1710-1755 MHz UL
-63	57.5	RSSI Dependent	64	-6.5	1710-1755 MHz UL
-64	58.5	RSSI Dependent	65	-6.5	1710-1755 MHz UL
-65	59.5	RSSI -Dependent	66	-6.5	1710-1755 MHz UL
-66	60.5	RSSI Dependent	67	-6.5	1710-1755 MHz UL
-69.0	64.9	RSSI Dependent	70.0	-5.1	1850-1910 MHz UL
-68.0	63.9	RSSI Dependent	69.0	-5.1	1850-1910 MHz UL
-67.0	62.9	RSSI Dependent	68.0	-5.1	1850-1910 MHz UL
-66.0	61.9	RSSI Dependent	67.0	-5.1	1850-1910 MHz UL
-65.0	60.9	RSSI Dependent	66.0	-5.1	1850-1910 MHz UL
-64.0	58.9	RSSI Dependent	65.0	-6.1	1850-1910 MHz UL

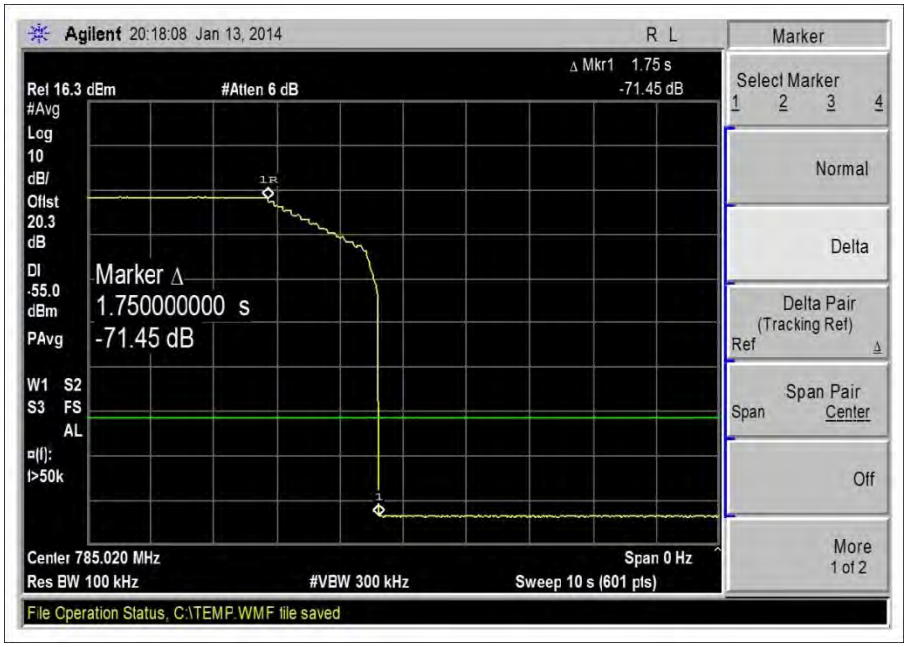

7.9 Variable Booster Gain
698-716MHz, MSCL=30.9dB
776-787MHz MSCL=31.8
824-849MHz, MSCL=32.4dB
776-787MHz UL Limit
698-716MHz UL Limit
824-849MHz UL Limit
TX Power Off Limit
776-787MHz UL Data
698-716MHz UL Data
824-849MHz UL Data
Uplink Gain
(dB)
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
-10.0
-20.0
-90.0
-80.0
-70.0
-60.0
-50.0
-40.0
-30.0
-20.0
-10.0
RSSI
dBm


7.9 Variable Booster Gain
1710-1755MHz MSCL= 36.5
1850-1915MHz, MSCL=37.4dB
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
-10.0
-20.0
Uplink Gain
(dB)
-90.0
-80.0
-70.0
-60.0
-50.0
-40.0
-30.0
-20.0
-10.0
RSSI
dBm
1710-1755MHz UL Limit
1850-1915MHz UL Limit
TX Power Off Limit
1710-1755MHz UL Data
1850-1915MHz UL Data

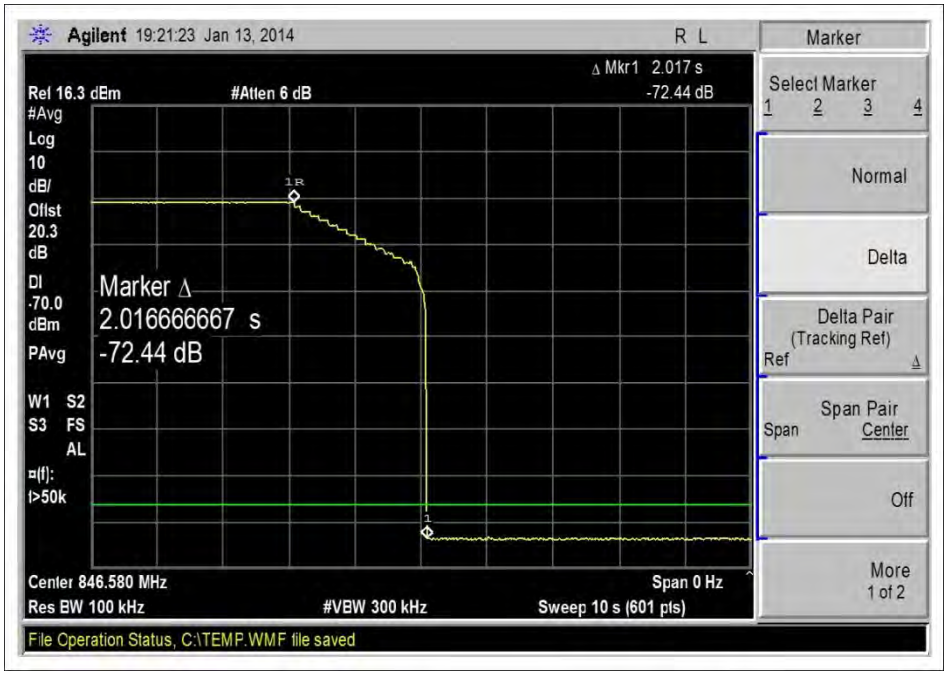
Test Data



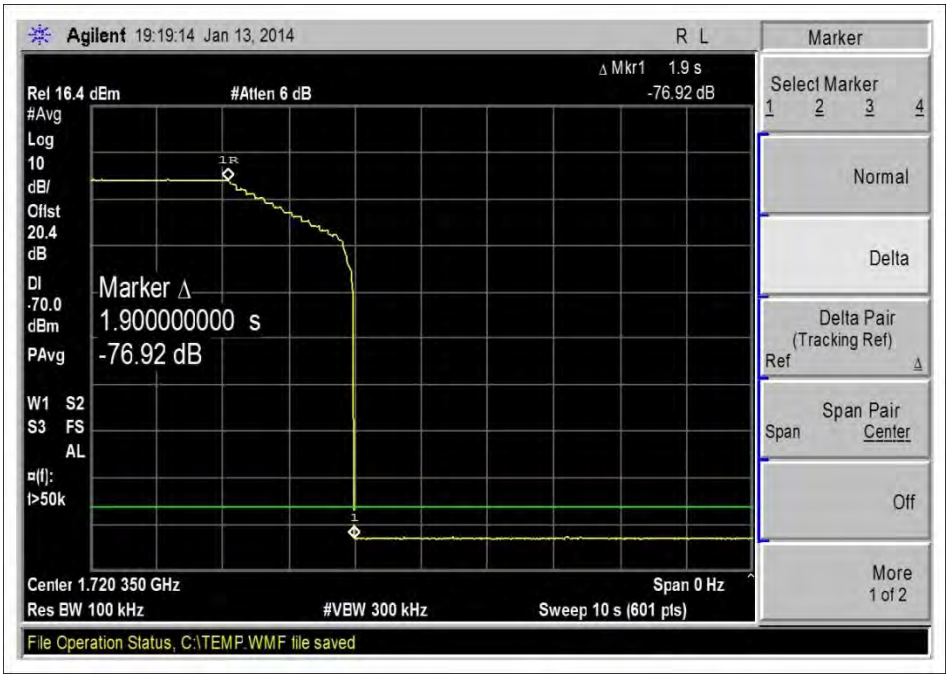
Variable UL Gain Timing 698-716MHz



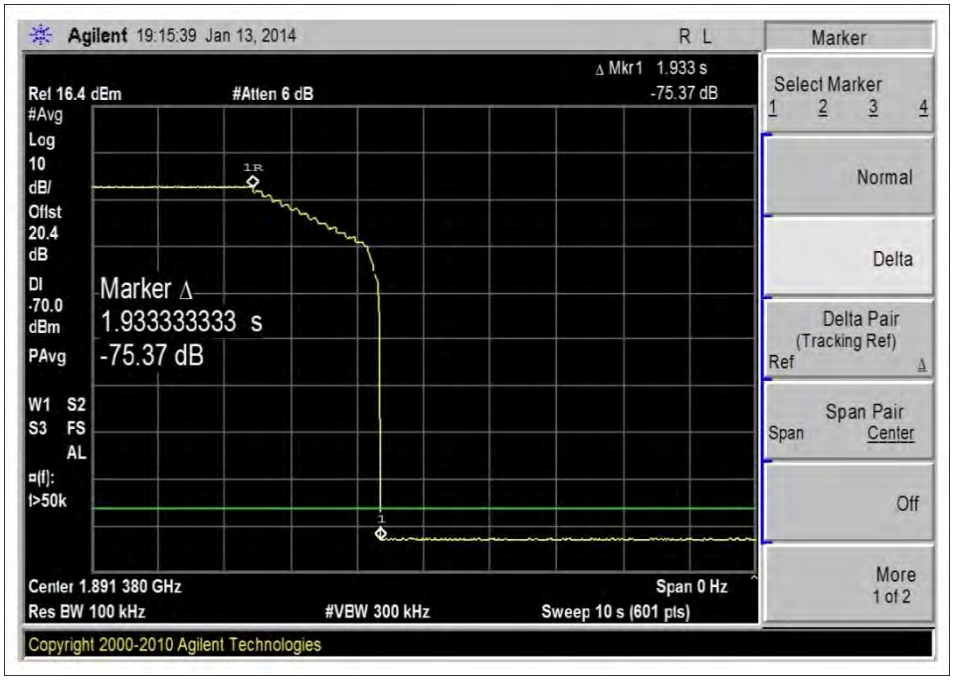
Variable UL Gain Timing 776-787MHz



Variable UL Gain Timing 824-849MHz



Variable UL Gain Timing 1710-1755MHz



Variable UL Gain Timing 1850-1915MHz

Test Setup Photo(s)

Clause 7.11 Anti-Oscillation

Test Location: CKC Laboratories, Inc. • 110 North Olinda Place • Brea, CA 92823• 714-993-6112

Customer: **Cellphone-Mate, Inc**
Specification: **7.11 Oscillation Detection**
Work Order #: **95255** Date: 01/10,11/2014
Test Type: **Conducted Emissions**
Equipment: Fixed Wideband Consumer Signal Booster
Manufacturer: Cellphone-Mate, Inc. Tested By: S. Yamamoto
Model: Force-5 110V 60Hz
S/N: (none)

***Test Equipment*:**

Asset #	Description	Model	Calibration Date	Cal Due Date
02672	Spectrum Analyzer	E4446A	9/4/2012	9/4/2014
03431	Attenuator	89-20-21	9/5/2013	9/5/2015
C00082	Coupler	MECA Electronics, Inc	8/21/2013	8/21/2015
03429	Attenuator	8496B	9/5/2013	9/5/2015
02475	Attenuator	8494B	6/17/2013	6/17/2015
03412	Filter	PE8705	8/26/2013	8/26/2015
03413	Filter	PE8706	8/26/2013	8/26/2015
03414	Filter	PE8707	8/26/2013	8/26/2015
03415	Filter	PE8708	8/26/2013	8/26/2015
03447	Filter	PE8710	9/20/2013	9/20/2015
03448	Filter	PE8711	9/20/2013	9/20/2015
03446	Filter	4FV50-707/H18-O/O	1/6/2014	1/6/2016
03467	Filter	4FV50-731/H30-O/O	1/6/2014	1/6/2016
03468	Filter	4CS10-781.5/E12.2-O/O	1/6/2014	1/6/2016
03469	Filter	4CS10-751.5/E12-O/O	1/6/2014	1/6/2016
02946	Cable	32022-2-2909K-36TC	7/31/2013	7/31/2015

***Equipment Under Test* (* = EUT):**

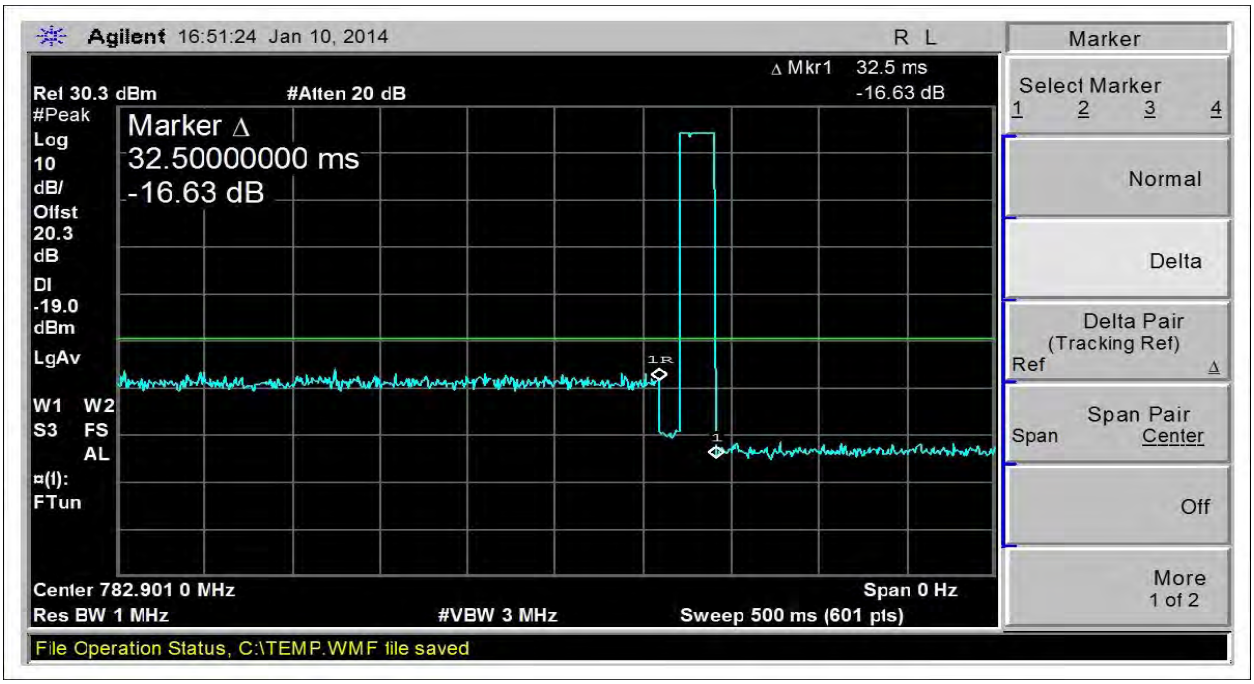
Function	Manufacturer	Model #	S/N
Fixed Wideband Consumer Signal Booster *	Cellphone-Mate, Inc.	Force-5	(none)

Support Devices:

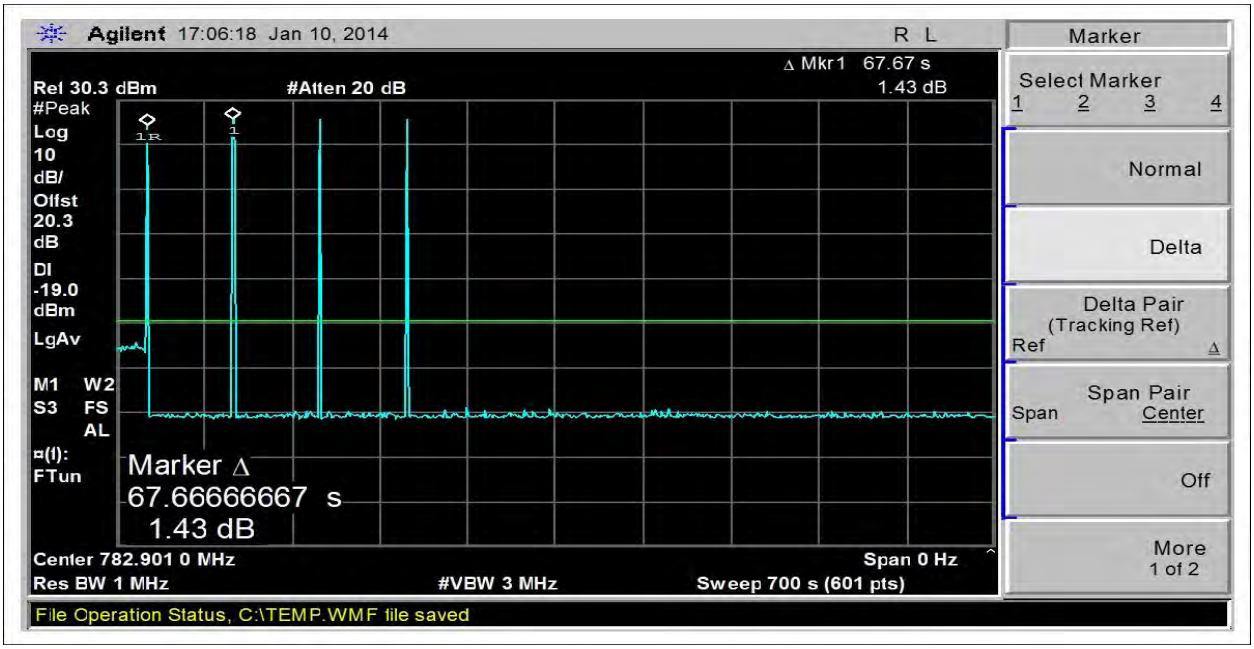
Function	Manufacturer	Model #	S/N
AC to 18Vdc Power Adapter	Adapter Tech.	STD-1805	(none)

Test Conditions / Notes:

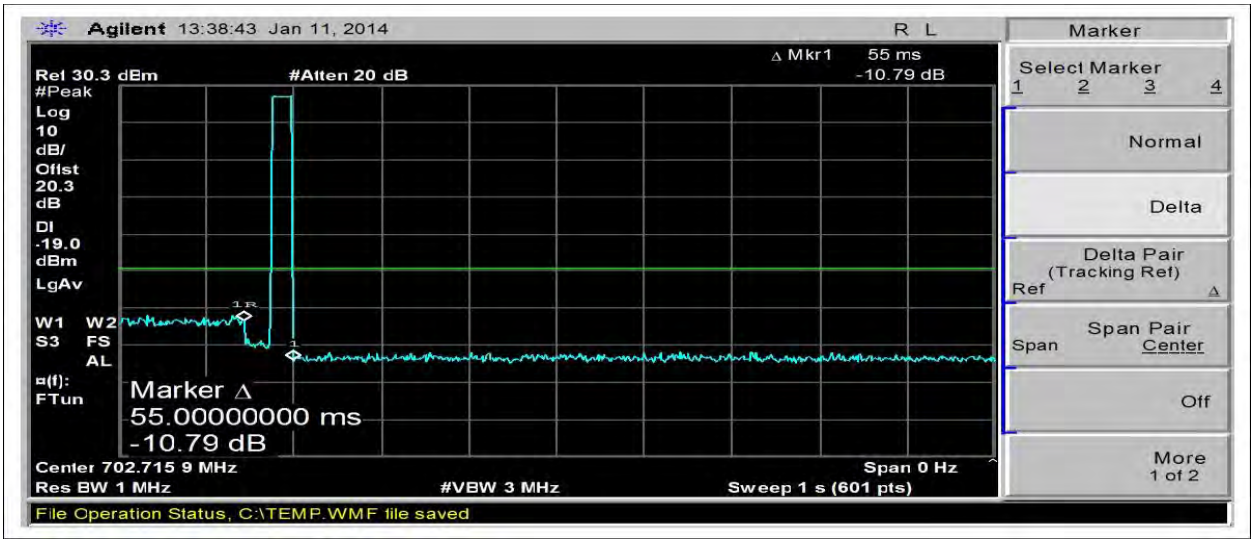
The EUT is placed on the test bench. Gain is set to the maximum gain. All dip switches are set to off position.
Evaluation performed at the Outside (Donor) and Inside (Server) antenna port.
Test performed at for each of the following bands: UL 776-787MHz, UL 698-716MHz, UL 824-849MHz, UL 1710-1755MHz, UL 1850-1915MHz, DL 746-757MHz, DL 728-746MHz, DL 869-894MHz, DL 2110-2155MHz, DL 1930-1995MHz.
Oscillation Detection test procedure: The test was performed in accordance with section 7.11 of the FCC Publication: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance DR04-41516: August 7, 2013. Site D. Test environment conditions: 22°C, 34%, 100kPa



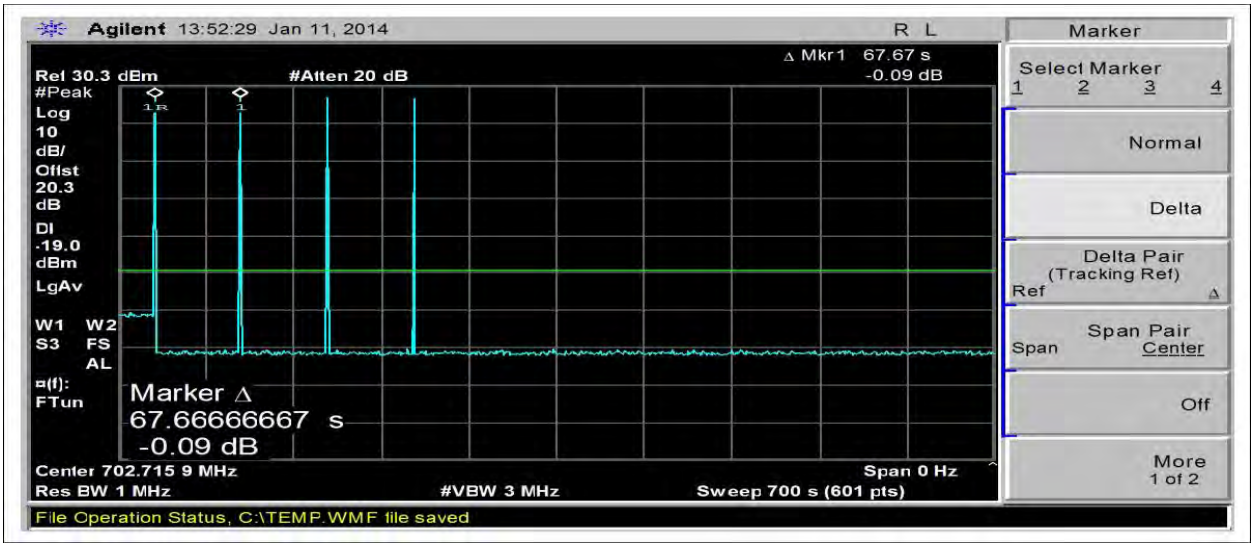
Uplink 776-787MHz Oscillation Detection Screen Capture



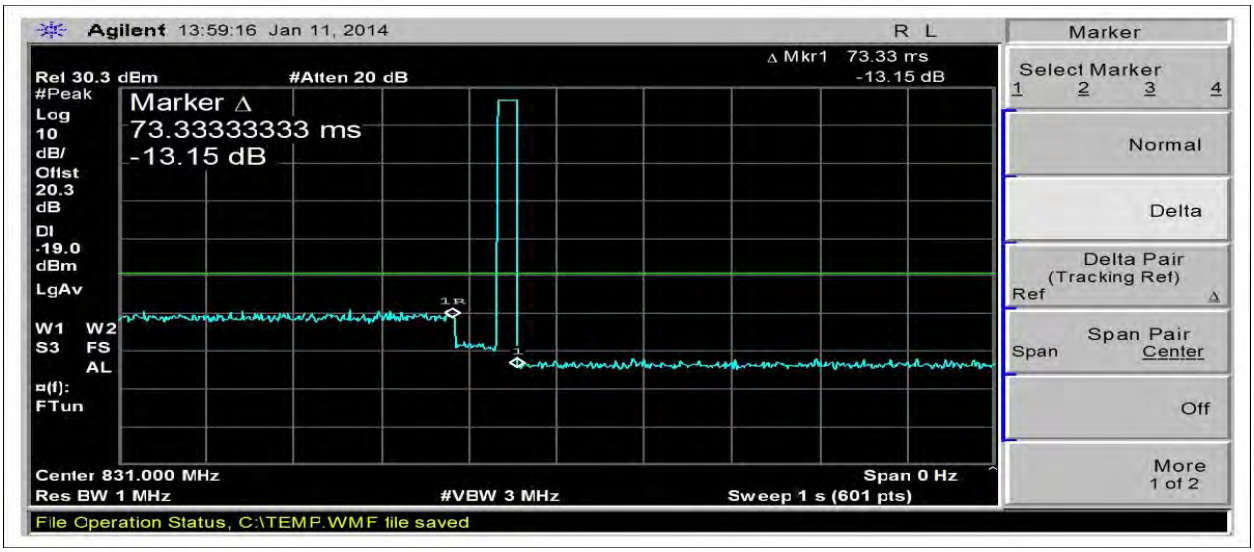
Uplink 776-787MHz Oscillation Mitigation Screen Capture



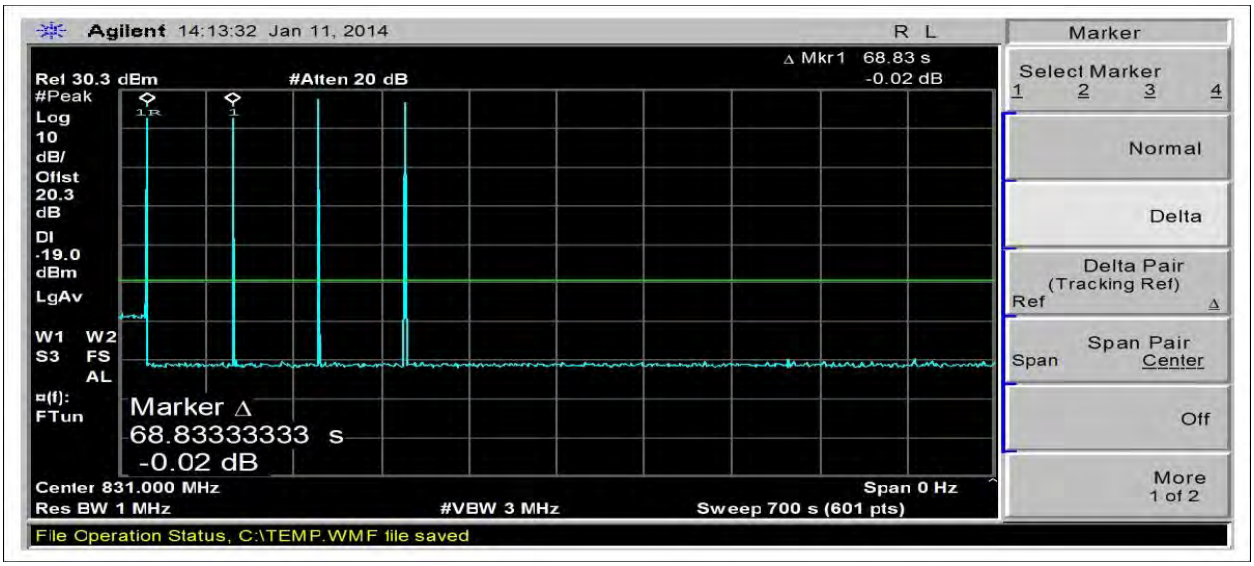
Uplink 698-716MHz Oscillation Detection Screen Capture



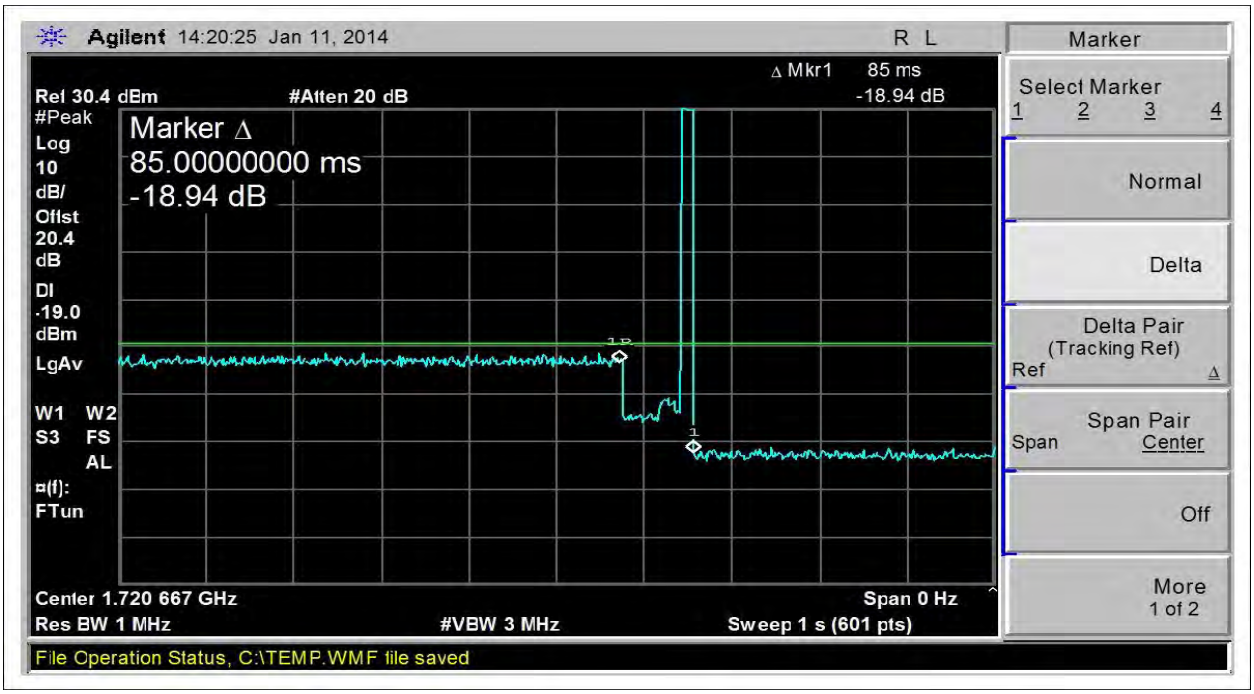
Uplink 698-716MHz Oscillation Mitigation Screen Capture



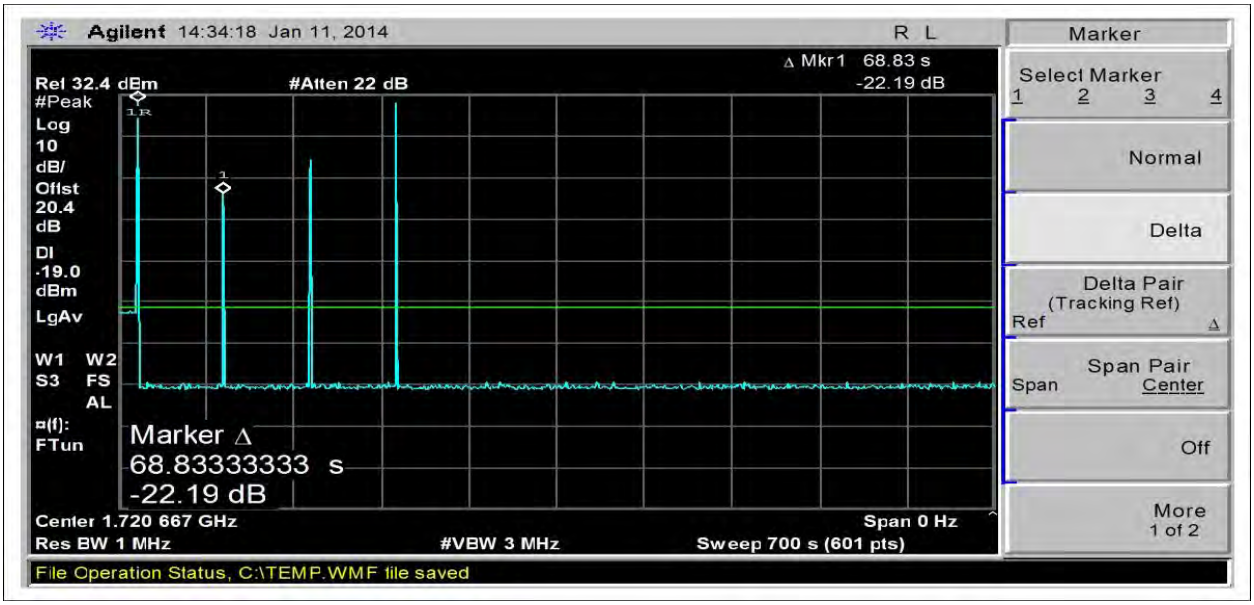
Uplink 824-849MHz Oscillation Detection Screen Capture



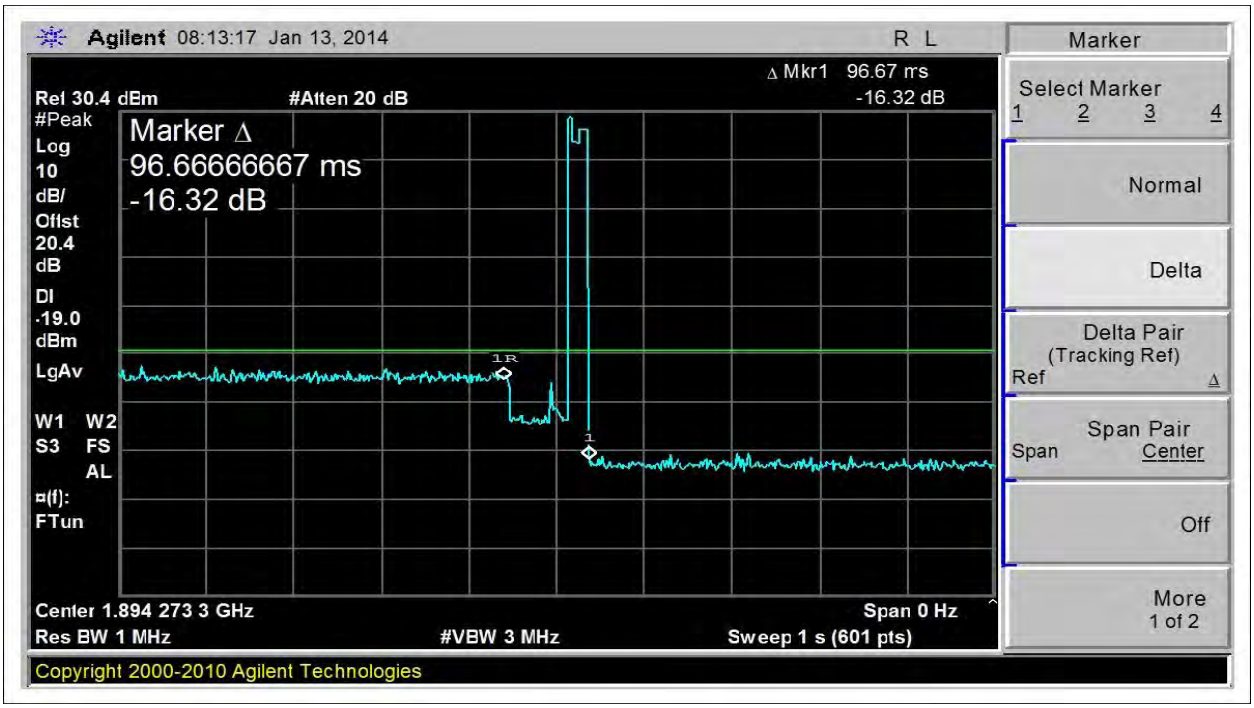
Uplink 824-849MHz Oscillation Mitigation Screen Capture



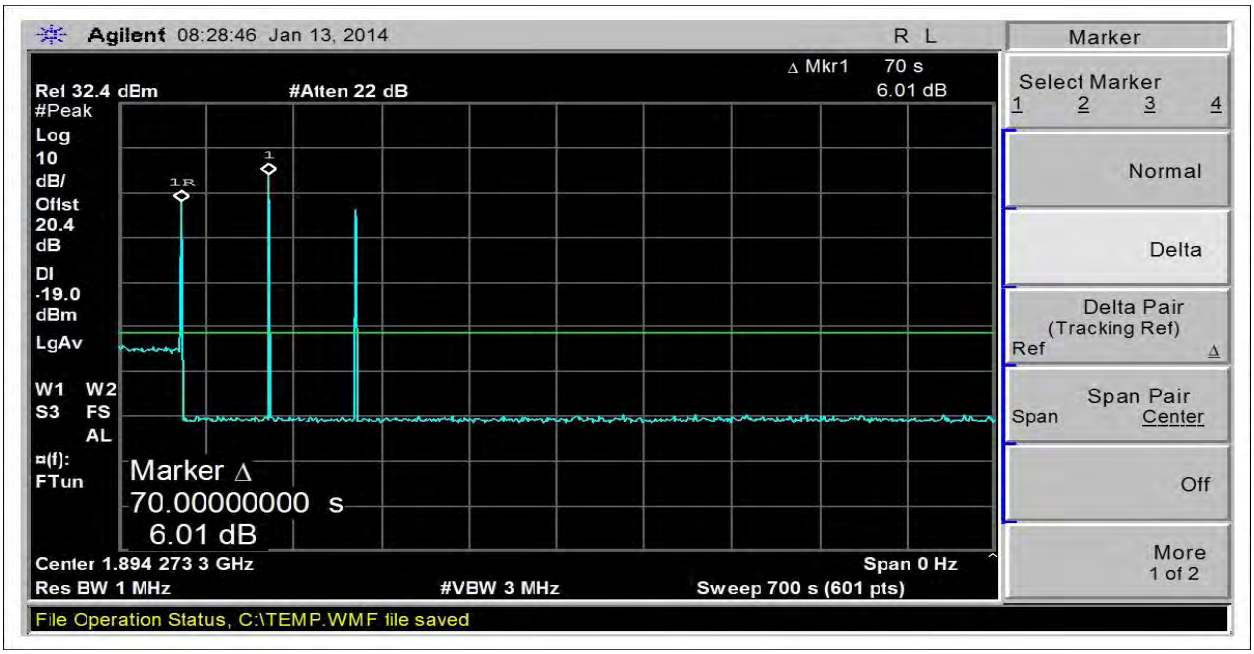
Uplink 1710-1755MHz Oscillation Detection Screen Capture



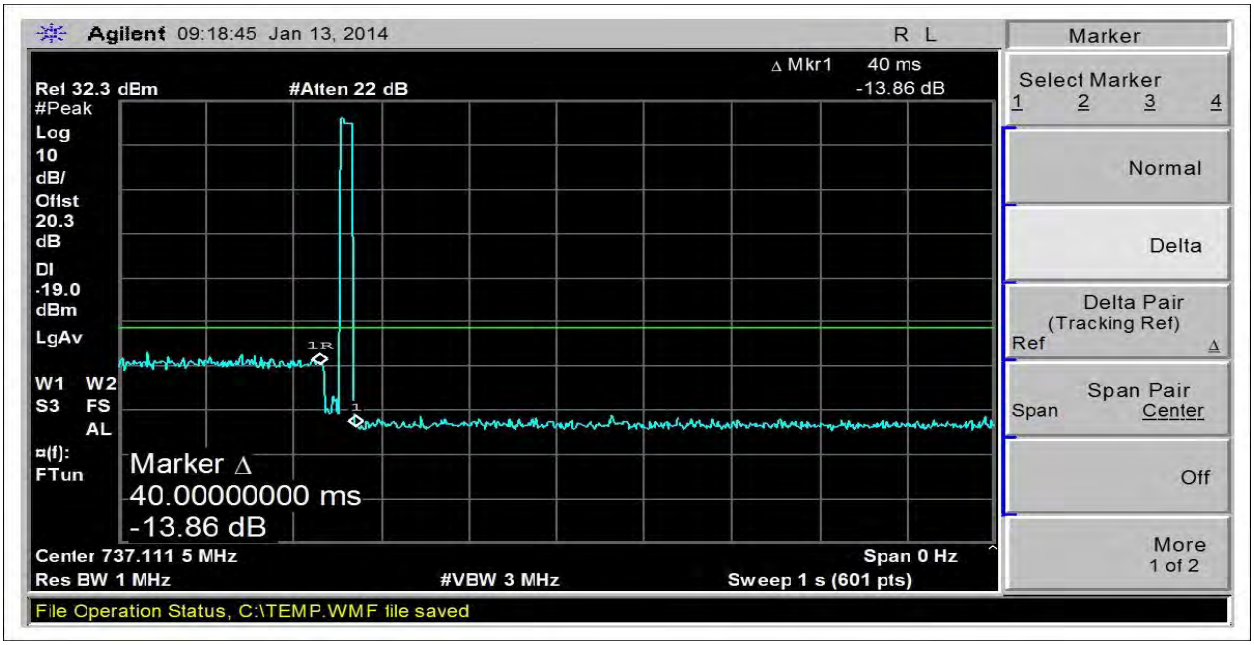
Uplink 1710-1755MHz Oscillation Mitigation Screen Capture



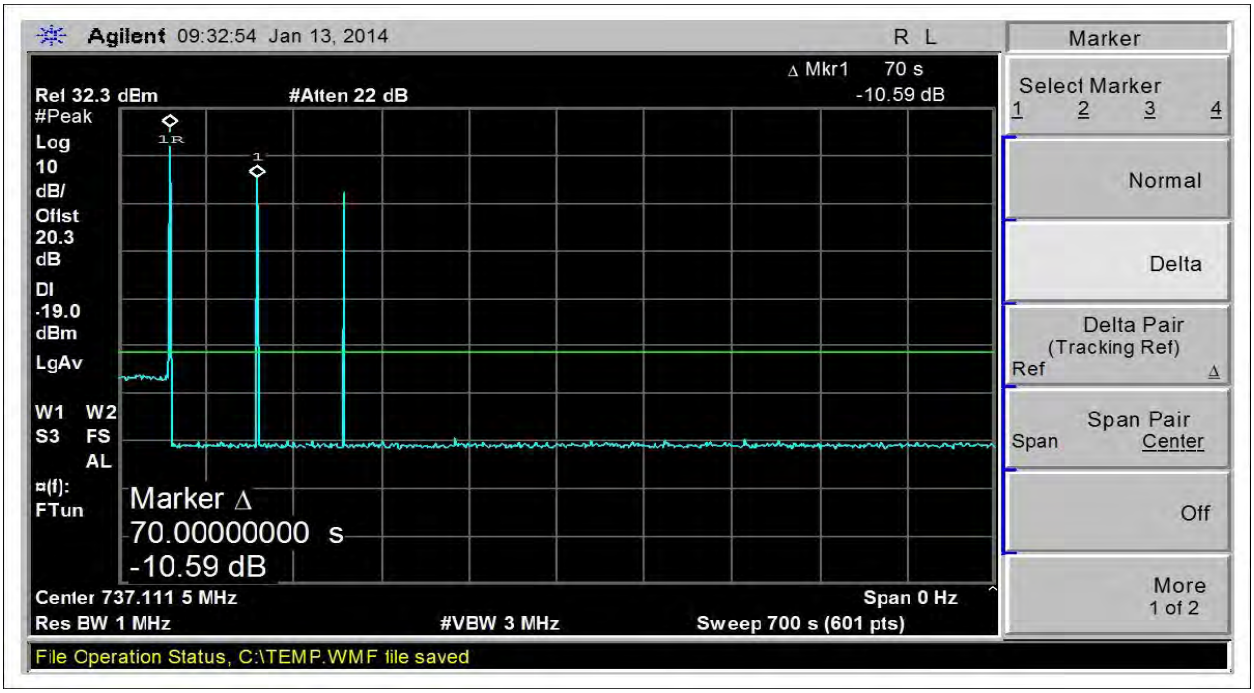
Uplink 1850-1915MHz Oscillation Detection Screen Capture



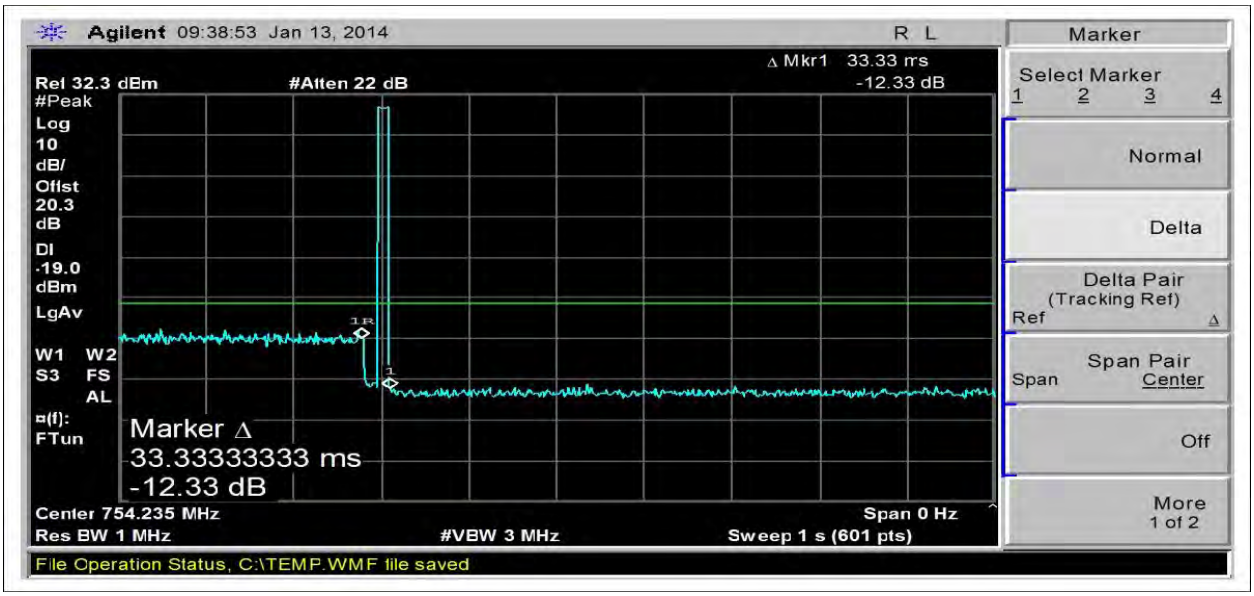
Uplink 1850-1915MHz Oscillation Mitigation Screen Capture



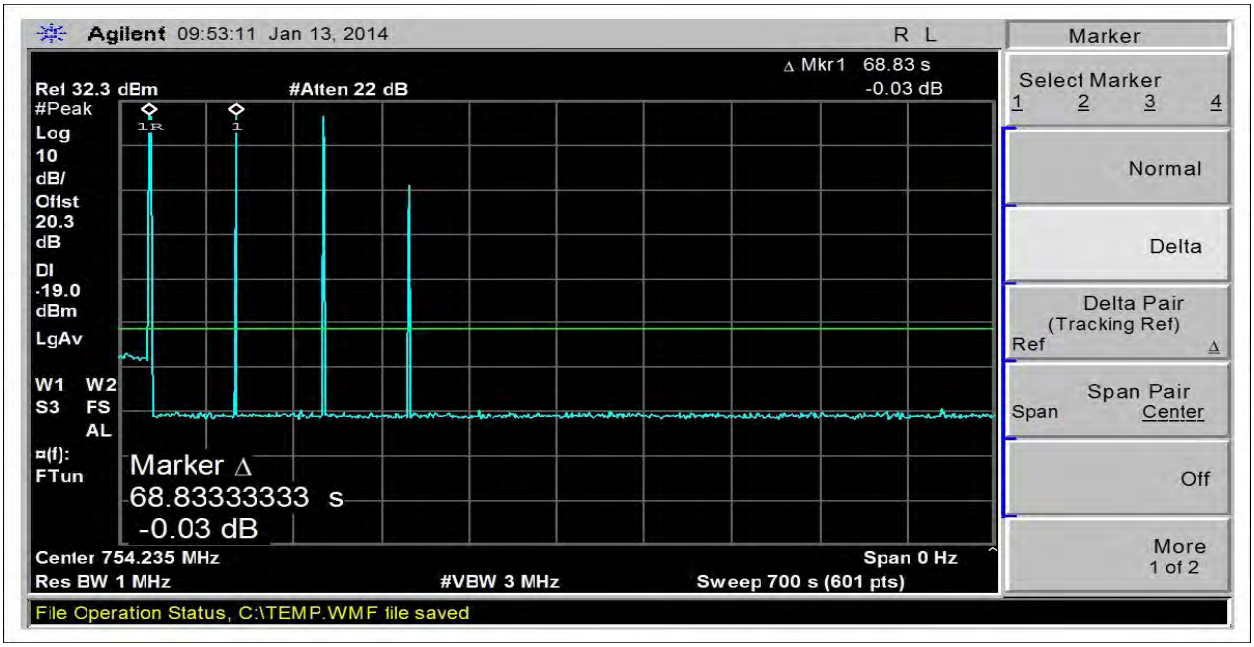
Downlink 746-757MHz Oscillation Detection Screen Capture



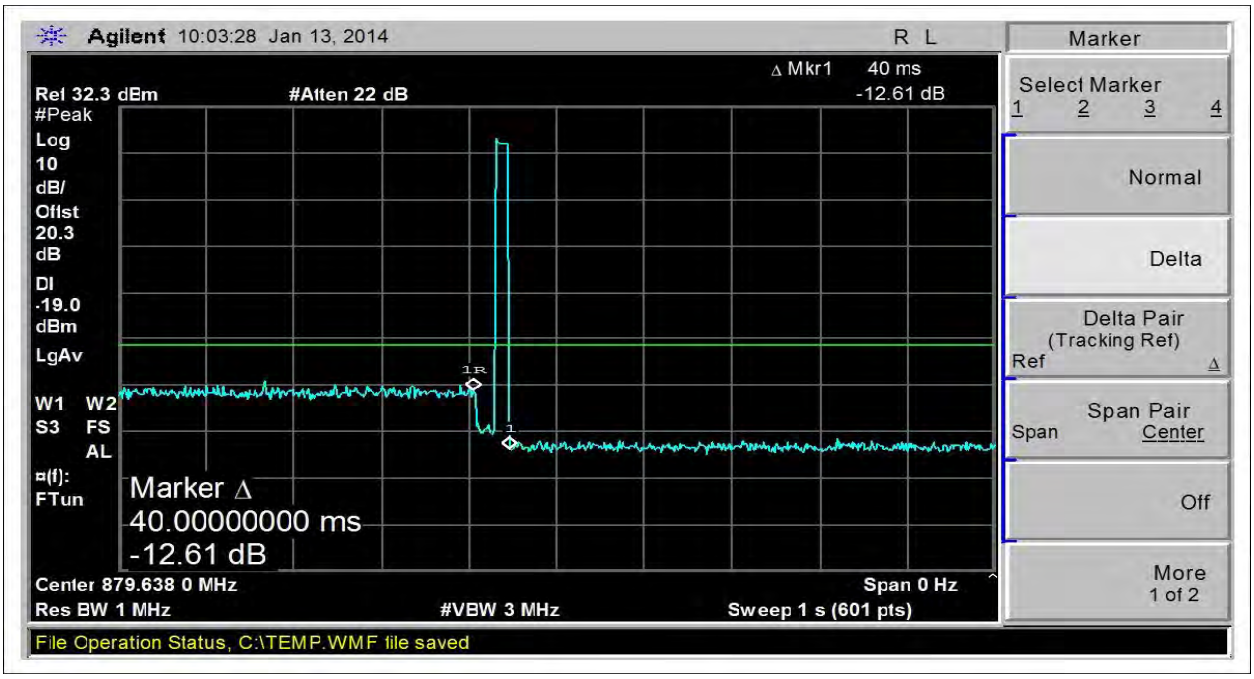
Downlink 746-757MHz Oscillation Mitigation Screen Capture



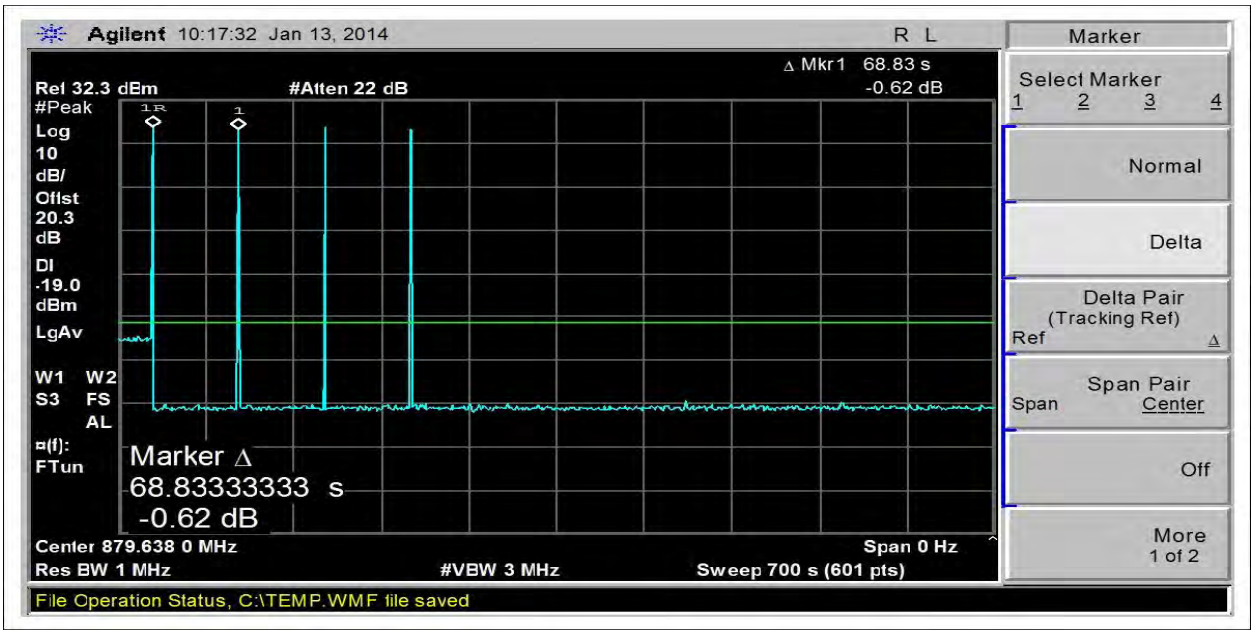
Downlink 728-746MHz Oscillation Detection Screen Capture



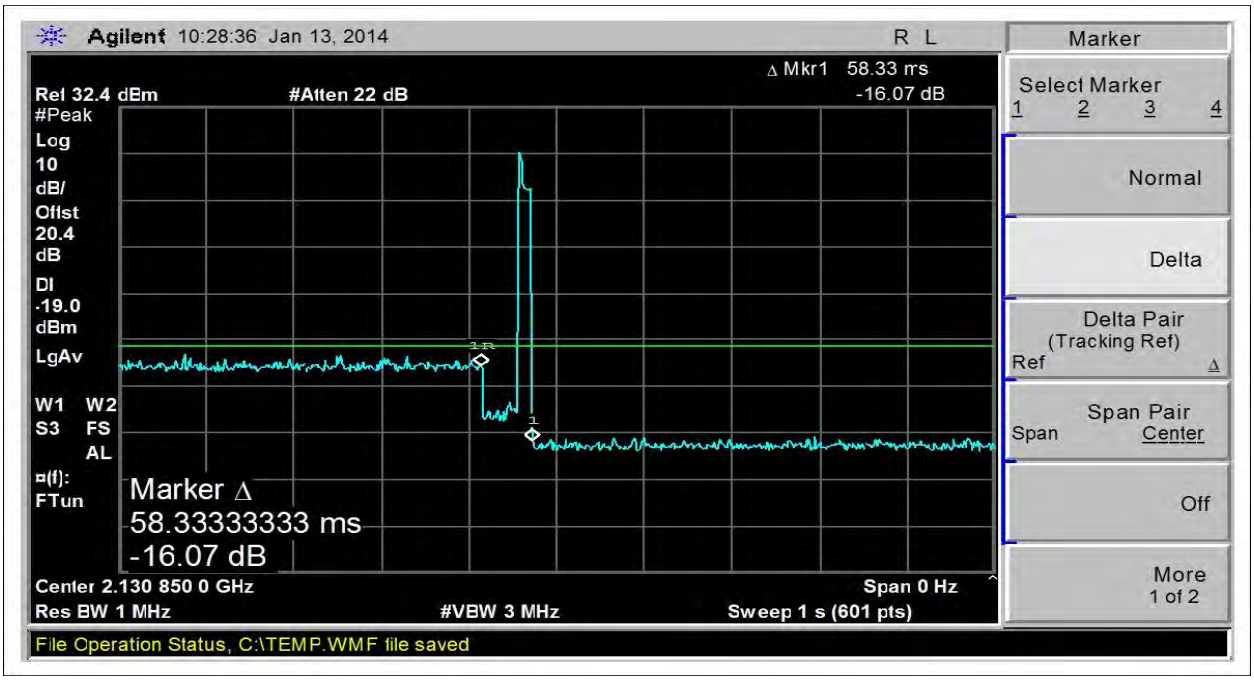
Downlink 728-746MHz Oscillation Mitigation Screen Capture



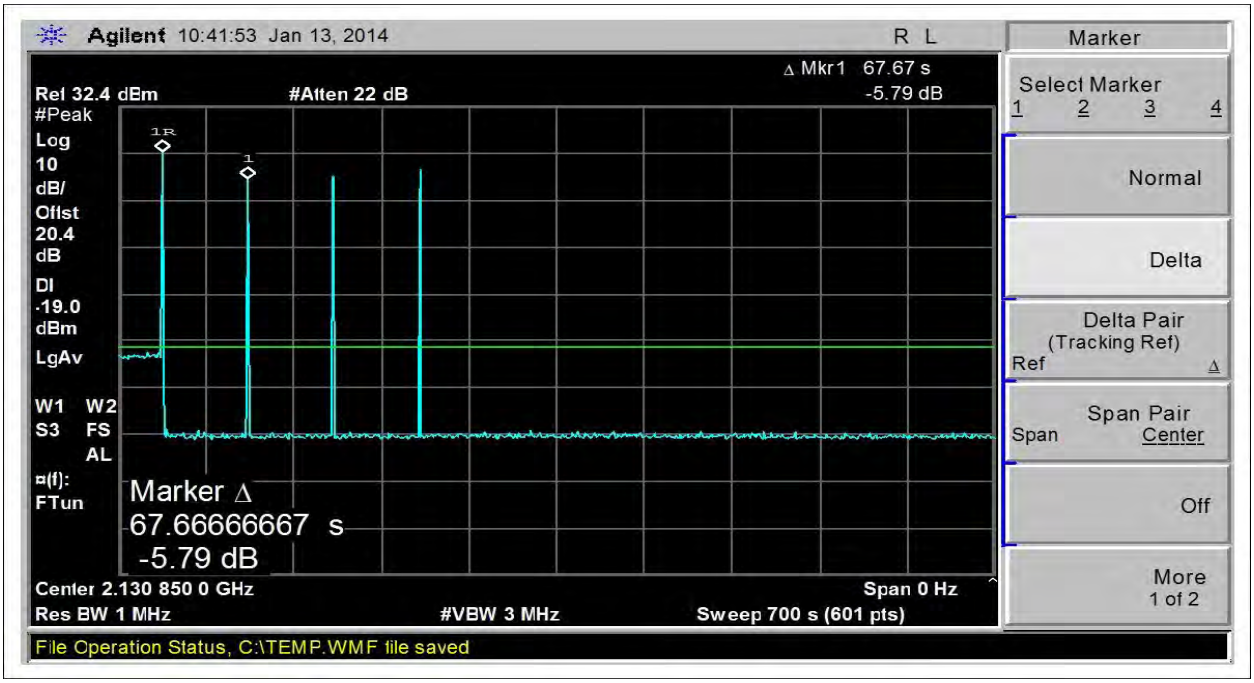
Downlink 869-894MHz Oscillation Detection Screen Capture



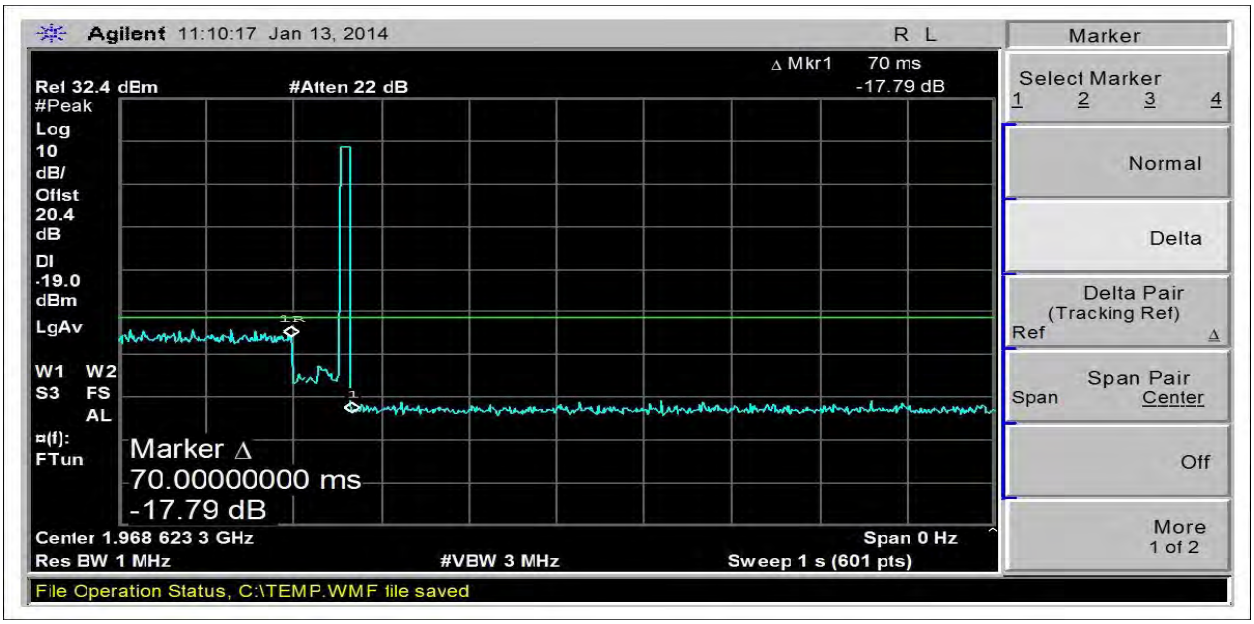
Downlink 869-894MHz Oscillation Mitigation Screen Capture



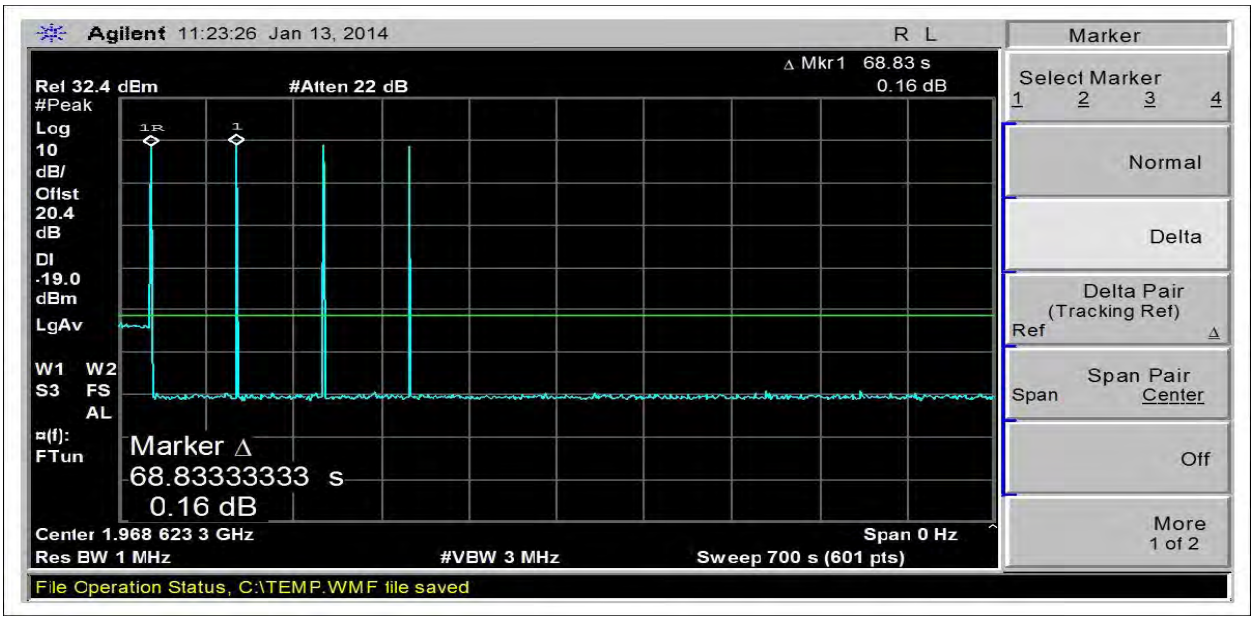
Downlink 2110-2155MHz Oscillation Detection Screen Capture



Downlink 2110-2155MHz Oscillation Mitigation Screen Capture



Downlink 1930-1995MHz Oscillation Detection Screen Capture



Downlink 1930-1995MHz Oscillation Mitigation Screen Capture

Test Setup Photo(s)

Clause 7.13 Spectrum Block Filter

Section 7.13 of KDB Publication 935210 D04 (2013-08) is not applicable to this EUT because it does not utilize spectrum block filtering.