

Cellphone-Mate, Inc.

ADDENDUM TEST REPORT TO 95308-14A

Fixed Wideband Consumer Signal Booster Model: Fusion-5

Tested To The Following Standards:

FCC Part 20.21

Report No.: 95308-14B

Date of issue: April 2, 2014



This test report bears the accreditation symbol indicating that the testing performed herein meets the test and reporting requirements of ISO/IEC 17025 under the applicable scope of EMC testing for CKC Laboratories, Inc.

We strive to create long-term, trust based relationships by providing sound, adaptive, customer first testing services. We embrace each of our customers' unique EMC challenges, not as an interruption to set processes, but rather as the reason we are in business.

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ADMINISTRATIVE INFORMATION

Test Report Information

REPORT PREPARED FOR:

Cellphone-Mate, Inc.
48346 Milmont Drive
Fremont, CA 94538

Representative: Hongtao Zhan
Customer Reference Number: CKC20140113

DATE OF EQUIPMENT RECEIPT:**DATE(S) OF TESTING:****REPORT PREPARED BY:**

Dianne Dudley
CKC Laboratories, Inc.
5046 Sierra Pines Drive
Mariposa, CA 95338

Project Number: 95308

January 14, 2014

January 14-25, 2014

Revision History

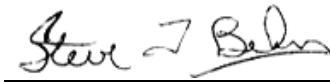
Original: Testing of the Fixed Wideband Consumer Signal Booster, Fusion-5 to FCC Part 20.21.

Addendum A: In section 7.9 the uplink gain plot was recalculated with the manufacturer's MSCL value.

Addendum B: Test summary table added to Clause 7.7 Noise Limits and Clause 7.9, Booster Gain Limits.

Report Authorization

The test data contained in this report documents the observed testing parameters pertaining to and are relevant for only the sample equipment tested in the agreed upon operational mode(s) and configuration(s) as identified herein. Compliance assessment remains the client's responsibility. This report may not be used to claim product endorsement by A2LA or any government agencies. This test report has been authorized for release under quality control from CKC Laboratories, Inc.



Steve Behm
Director of Quality Assurance & Engineering Services
CKC Laboratories, Inc.

Test Facility Information



Our laboratories are configured to effectively test a wide variety of product types. CKC utilizes first class test equipment, anechoic chambers, data acquisition and information services to create accurate, repeatable and affordable test results.

TEST LOCATION(S):
CKC Laboratories, Inc.
110 Olinda Place
Brea, CA 92823

Software Versions

CKC Laboratories Proprietary Software	Version
EMITest Emissions	5.00.14

Site Registration & Accreditation Information

Location	CB #	TAIWAN	CANADA	FCC	JAPAN
Brea D	US0060	SL2-IN-E-1146R	3082D-2	100638	A-0147

SUMMARY OF RESULTS

Standard / Specification: FCC Part 20.21

Draft KDB 935210 D03 Wideband Consumer Signal Booster Measurement Guidance DR04 41516 (August 7 th , 2013)		FCC Part 20.21 Section Correlation		Results
Guidance Sec #	Guidance Description	FCC Sec #	FCC Rule Description	
7.1.1 - 7.1.12	Authorized Frequency Band Verification	20.21(e)(3)	Frequency Bands	Pass
7.2.1 - 7.2.16	Maximum Power Measurement Procedure	20.21(e)(8)(i)(D)	Power Limit	Pass
7.3.1 - 7.3.3	Maximum Booster Gain Computation	20.21(e)(8)(i)(B)	Bidirectional Capabilities	Pass
7.4.1 - 7.4.13	Intermodulation Product	20.21(e)(8)(i)(F)	Intermodulation Limit	Pass
7.5.1 - 7.5.14	Out of Band Emissions	20.21(e)(8)(i)(E)	Out of Band Emission	Pass
7.6.1 - 7.6.13 ¹	Conducted Spurious Emission ¹	Part 22/24/27 ¹	Conducted Spurious Emission ¹	NA ¹
7.7.1 - 7.7.7 7.7.8 - 7.7.13 7.7.14 - 7.7.20	Noise Limit procedure Variable Noise Variable Noise Timing	20.21(e)(8)(i)(A)(2) 20.21(e)(8)(i)(A)(1) 20.21(e)(8)(i)(H)	Noise Limits Transmit power off Mode	Pass
7.8.1 - 7.8.12	Uplink inactivity	20.21(e)(8)(i)(I)	Uplink inactivity	Pass
7.9.1 - 7.9.12 7.9.13 - 7.9.19	Variable Booster gain Variable Uplink Gain Timing	20.21(e)(8)(i)(C) (1),(2) 20.21(e)(8)(i)(H)	Booster Gain Transmit power off mode	Pass
7.10.1 - 7.10.10 ¹	Occupied Band Width ¹	2.1049 Part 22/24/27 ¹	Occupied bandwidth ¹	NA ¹
7.11.1 - 7.11.14	Anti-oscillation	20.21(e)(8)(ii)(A)	Anti-oscillation	Pass
7.12.1 - 7.12.6 ¹	Radiated Spurious Emission ¹	Part 22/24/27 ¹	Radiated Spurious Emission ¹	NA ¹
7.13.1 - 7.13.3	Spectrum Block Filter	NA	NA	NA ²

NA¹ = See applicable test report.

NA² = Not applicable. See the section in the report for the reason.

Conditions During Testing

This list is a summary of the conditions noted for or modifications made to the equipment during testing.

Summary of Conditions
None

EQUIPMENT UNDER TEST (EUT)

EQUIPMENT UNDER TEST

Fixed Wideband Consumer Signal Booster

Manuf: Cellphone-Mate, Inc.

Model: Fusion-5

Serial: None

PERIPHERAL DEVICES

The EUT was tested with the following peripheral device(s):

AC to 9VDC Power Adapter

Manuf: SureCall

Model: GFP451DA-0945-1

Serial: None

FCC PART 20.21

This report contains EMC emissions test results under United States Federal Communications Commission (FCC) 47 CFR 15C requirements for Unlicensed Radio Frequency Devices, Subpart C - Intentional Radiators.

Clause 7.1 Authorized Frequency Band Verification

Test Conditions / Setup

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

Customer: **Cellphone-Mate, Inc.**
 Specification: **7.1 Authorized Frequency Band Verification**
 Work Order #: **95308** Date: 01/14/2014
 Test Type: **Conducted Emissions**
 Equipment: Fixed Wideband Consumer Signal
 Booster
 Manufacturer: Cellphone-Mate, Inc. Tested By: S. Yamamoto
 Model: Fusion-5 110V 60Hz
 S/N: (none)

Test Equipment:

Asset #	Description	Model	Calibration Date	Cal Due Date
02672	Spectrum Analyzer	E4446A	8/14/2013	8/14/2015
03431	Attenuator	89-20-21	9/5/2013	9/5/2015
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.	Fusion-5	(none)

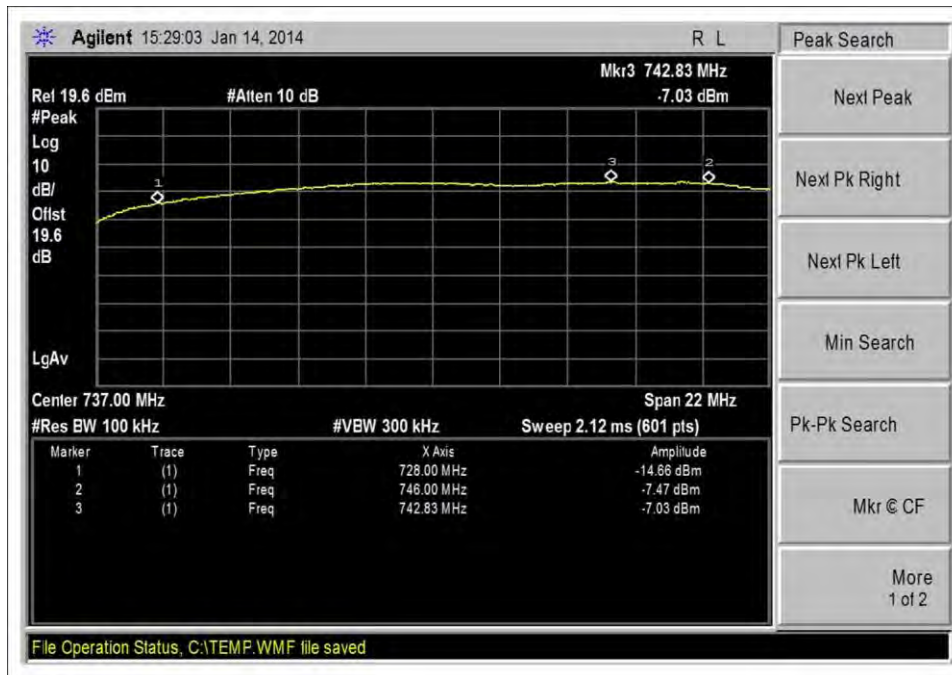
Support Devices:

Function	Manufacturer	Model #	S/N
Signal Generator	Agilent	E4438C	MY42082260
AC to 9Vdc Power Adapter	SureCall	GFP451DA-0945-1	(none)

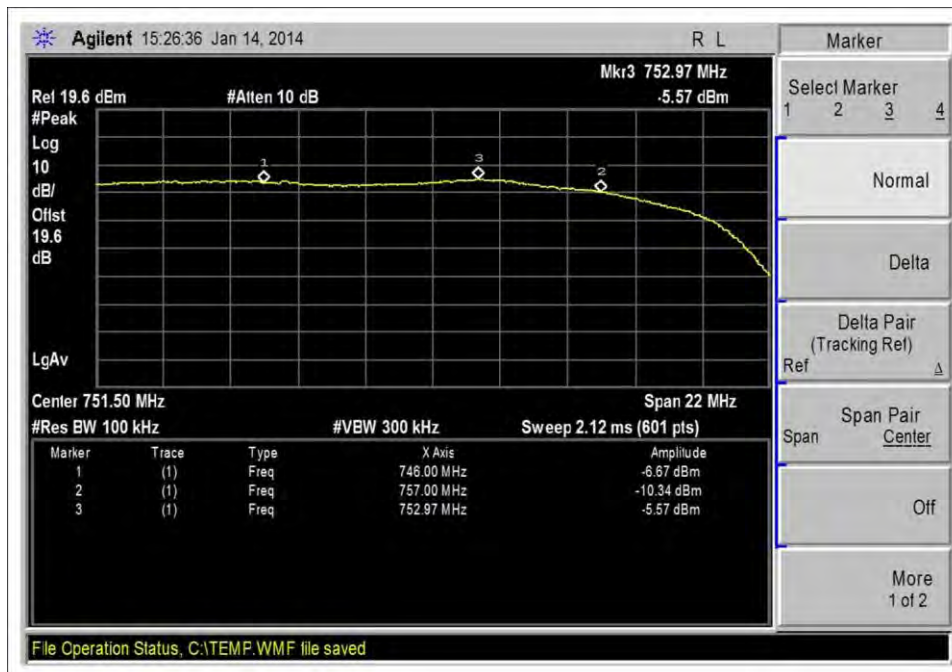
Test Conditions / Notes:

The EUT is placed on the test bench. Gain is set to the maximum gain.
 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 1850-1910MHz, DL 746-757MHz, DL 728-746MHz, DL 869-894MHz, DL 2110-2155MHz, DL 1930-1990MHz
 Authorized Frequency Band Verification Test procedure:
 The test was performed IAW section 7.1 of the FCC Publication: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance DR04-41516: August 7, 2013.
 Site D. Test environment conditions: 21°C, 37%, 100kPa

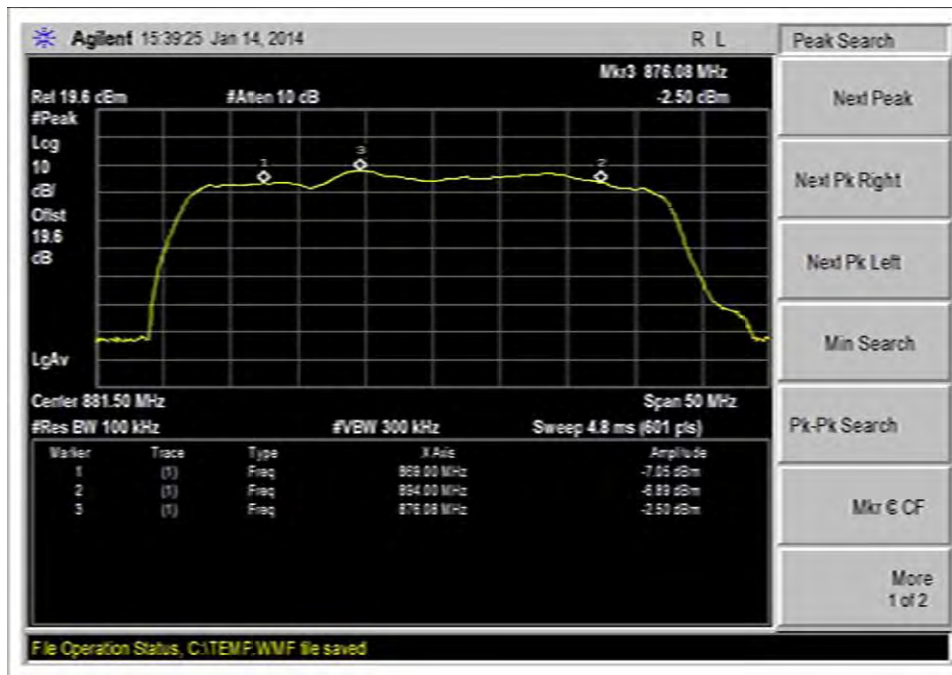
Test Data



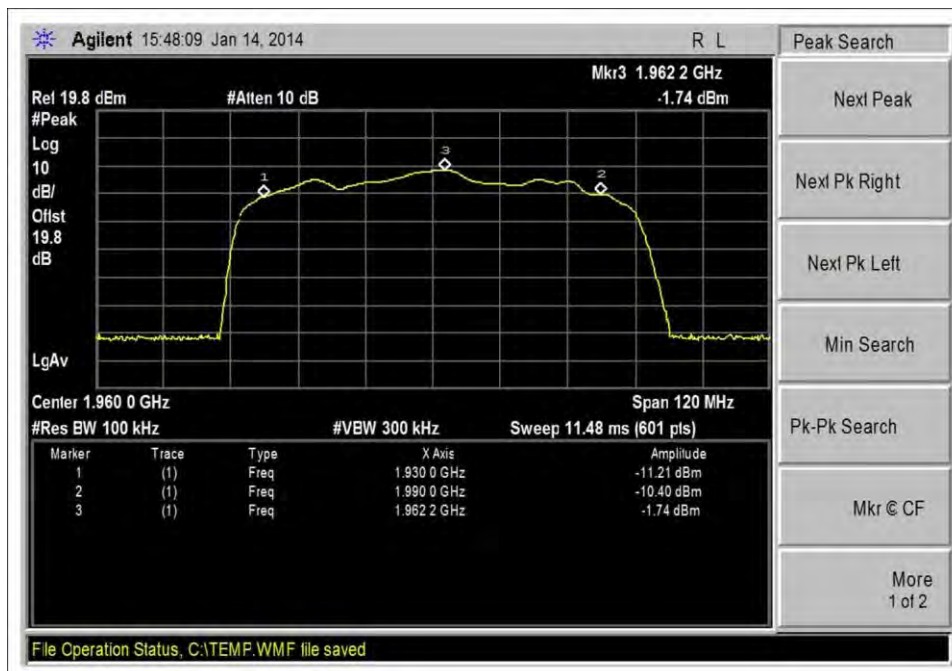
DL_728-746MHz



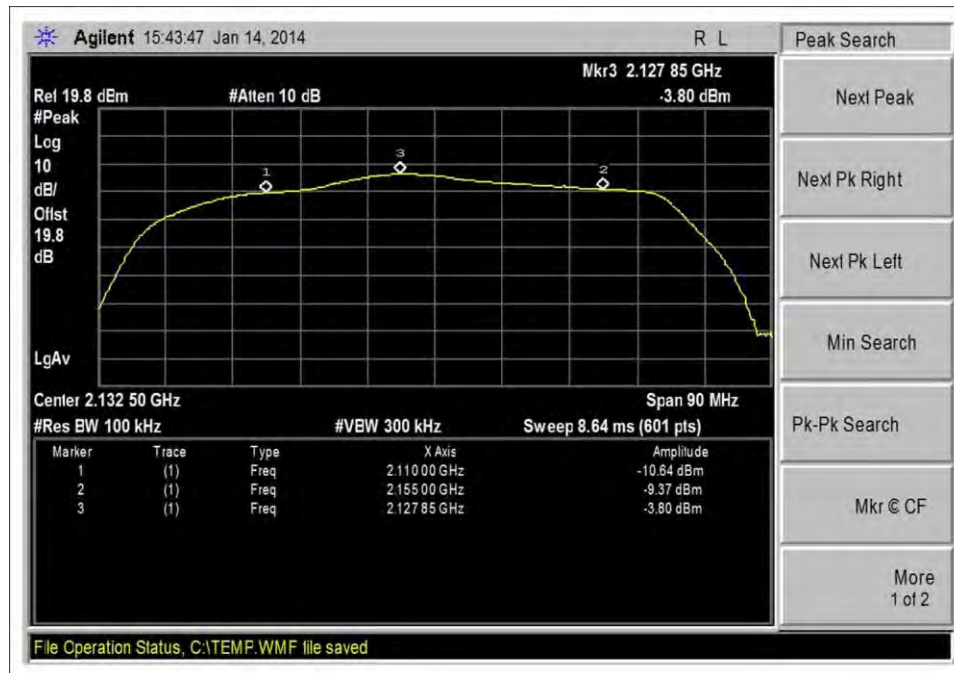
DL_746-757MHz



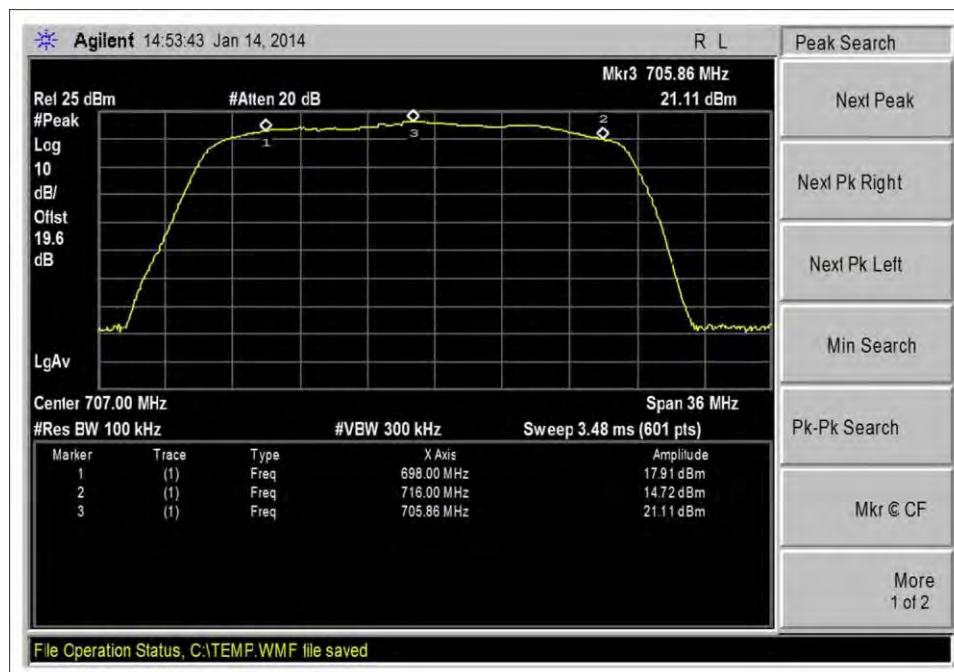
DL_869-894MHz



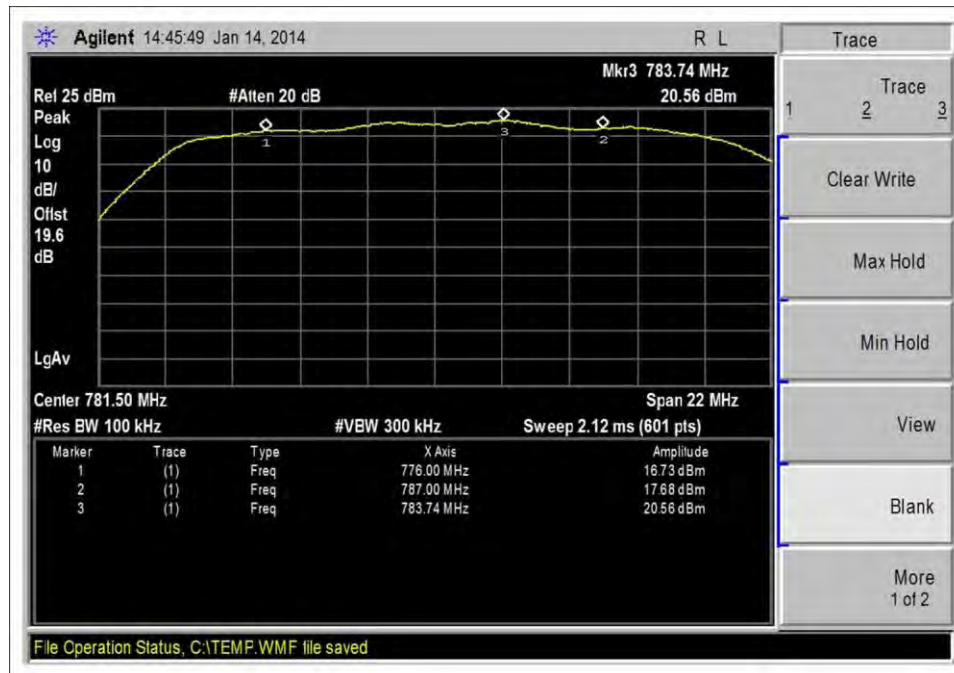
DL_1930-1990MHz



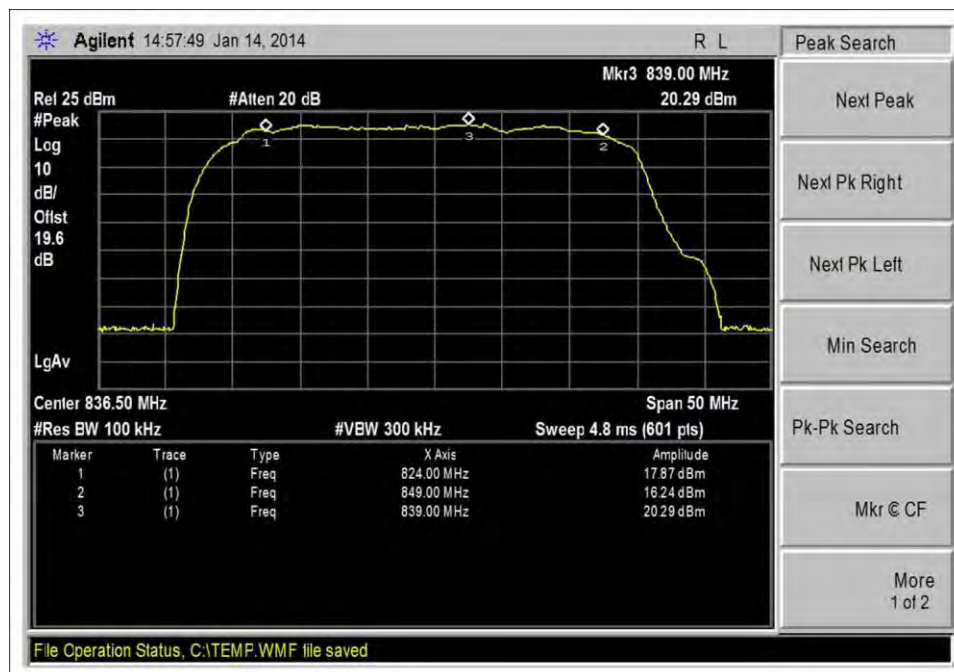
DL_2110-2155MHz



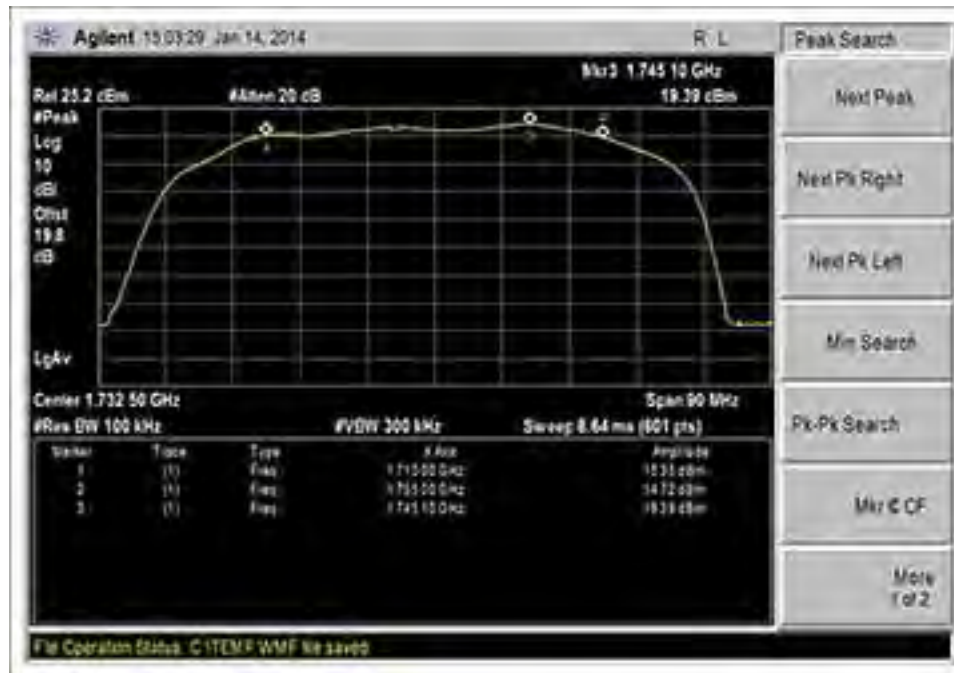
UL_698-716MHz



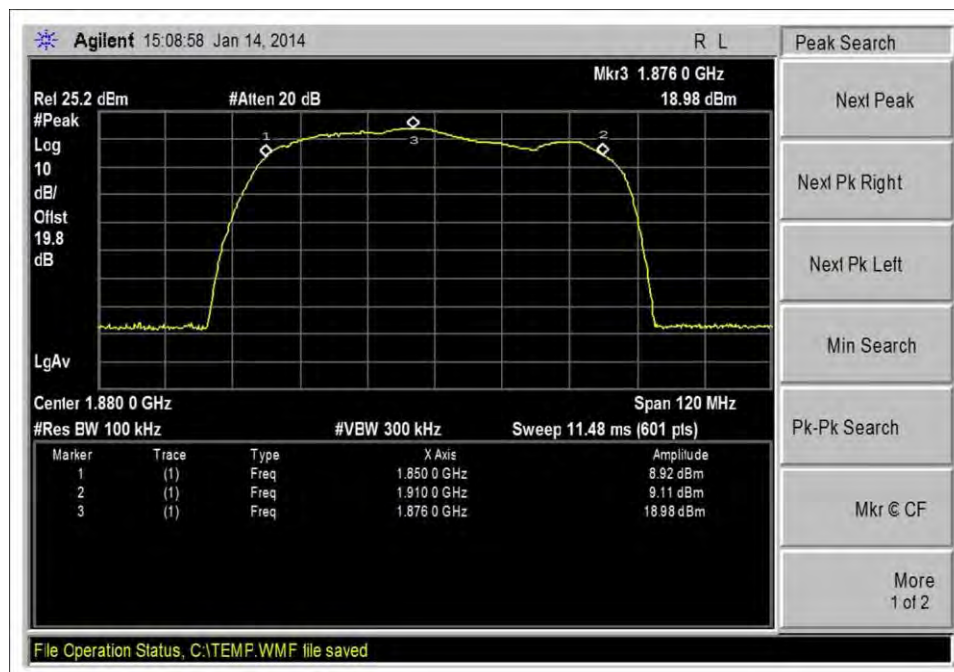
UL_776-787MHz



UL_824-849MHz



UL_1710-1755MHz



UL_1850-1910MHz

Test Setup Photo(s)



Clause 7.2 & 7.3 Maximum Power/ Maximum Gain

Test Conditions / Setup

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

Customer: **Cellphone-Mate, Inc.**
 Specification: **7.2 Maximum Power**
 Work Order #: **95308** Date: 01/14,15/2014
 Test Type: **Conducted Emissions**
 Equipment: Fixed Wideband Consumer Signal
 Booster
 Manufacturer: Cellphone-Mate, Inc. Tested By: S. Yamamoto
 Model: Fusion-5 110V 60Hz
 S/N: (none)

Test Equipment:

Asset #	Description	Model	Calibration Date	Cal Due Date
02672	Spectrum Analyzer	E4446A	8/14/2013	8/14/2015
03431	Attenuator	89-20-21	9/5/2013	9/5/2015
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.	Fusion-5	(none)

Support Devices:

Function	Manufacturer	Model #	S/N
Signal Generator	Agilent	E4438C	MY42082260
AC to 9Vdc Power Adapter	SureCall	GFP451DA-0945-1	(none)

Test Conditions / Notes:

The EUT is placed on the test bench. Gain is set to the maximum gain.
 Evaluation performed at the Outside (Donor) and Inside (Server) 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 1850-1910MHz, DL 746-757MHz, DL 728-746MHz, DL 869-894MHz, DL 2110-2155MHz, DL 1930-1990MHz.
 Pulsed GSM and AWGN 4.1MHz
 Test procedure: The test was performed IAW section 7.2 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 Location: CKC Laboratories • 110 Olinda Place • Brea, CA 92823 • 714-993-6112
 Customer: **Cellphone-Mate, Inc.**
 Specification: **7.3 Maximum Booster Gain Computation**
 Work Order #: **95308** Date: 01/15/2014
 Test Type: **Conducted Emissions**
 Equipment: Fixed Wideband Consumer Signal Sequence#: 1
 Booster
 Manufacturer: Cellphone-Mate, Inc. Tested By: S. Yamamoto
 Model: Fusion-5 110V 60Hz
 S/N: (none)

Test Equipment:

Asset #	Description	Model	Calibration Date	Cal Due Date
02672	Spectrum Analyzer	E4446A	8/14/2013	8/14/2015
03431	Attenuator	89-20-21	9/5/2013	9/5/2015
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.	Fusion-5	(none)

Support Devices:

Function	Manufacturer	Model #	S/N
Signal Generator	Agilent	E4438C	MY42082260
AC to 9Vdc Power Adapter	SureCall	GFP451DA-0945-1	(none)

Test Conditions / Notes:

The EUT is placed on the test bench. Gain is set to the maximum gain.
 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 1850-1910MHz, DL 746-757MHz, DL 728-746MHz, DL 869-894MHz, DL 2110-2155MHz, DL 1930-1990MHz
 Test procedure: The test was performed IAW section 7.3 of the FCC Publication: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance DR04-41516: August 7, 2013.
 Test environment conditions: 21°C, 37%, 100kPa

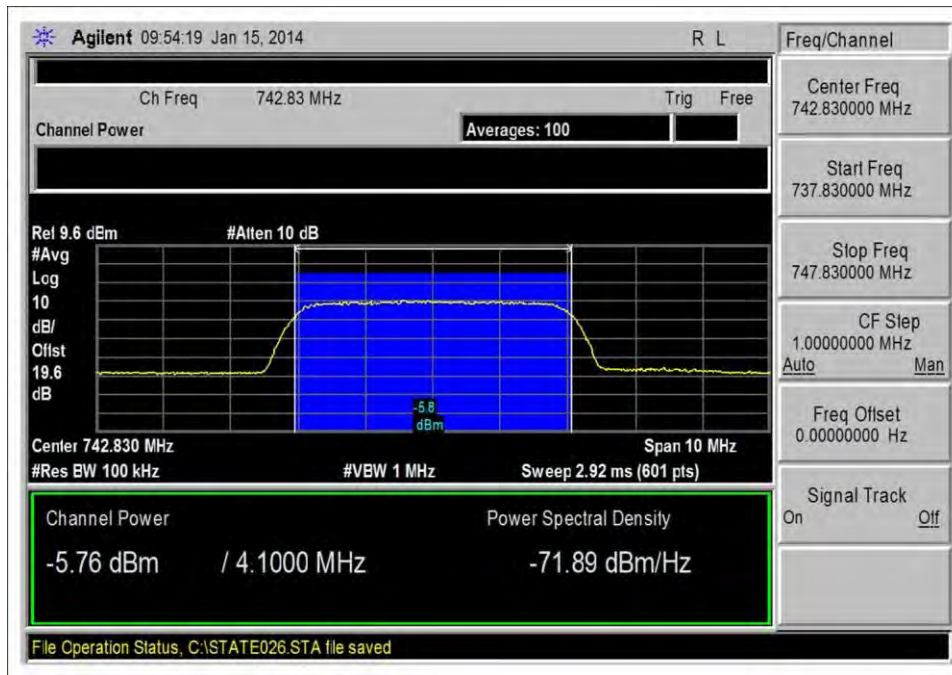
Frequency	Pulse GSM			4.1 MHz AWGN		
	Input(dBm)	Output (dBm)	Gain (dB)	Input(dBm)	Output (dBm)	Gain(dB)
DL 746-757	-60.3	-0.3	60.0	-65.2	-6	59.2
DL 728-746	-60.2	-0.2	60.0	-65.8	-5.76	60.0
DL 869-894	-57.6	2.8	60.4	-62.9	-3.02	59.9
DL 2110-2155	-61.4	2.7	64.1	-67.2	-3.2	64.0
DL 1930-1995	-59.0	4.7	63.7	-64.5	-1.1	63.4
UL 1850-1915	-43.9	18.1	62.0	-43.3	19.1	62.4
UL 1710-1755	-44.9	17.1	62.0	-43.8	18.6	62.4
UL 824-849	-41.3	17.7	59.0	-40.3	18.6	58.9
UL 698-716	-40.1	19.5	59.6	-40.5	19.4	59.9
UL 776-787	-41.1	18.4	59.5	-40.6	18.6	59.2

Pulse GSM		4.1 MHz	AWGN
UL gain vs DL gain 1850/1930	-1.7		-1.0
UL gain vs DL gain 1710/2110	-2.1		-1.6
UL gain vs DL gain 824/869	-1.4		-1.0
UL gain vs DL gain 698/728	-0.5		-0.1
UL gain vs DL gain 776/746	-0.5		0.0

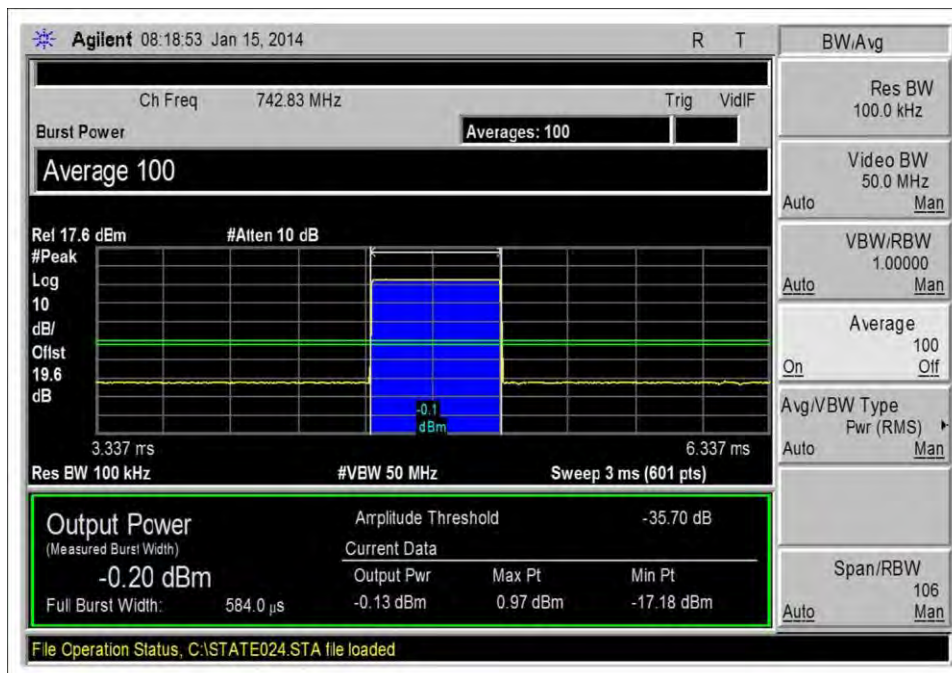
Pulse GSM					
Frequency	Output Power	Ant Gain	Cable Loss	EIRP(dBm)	Limit(dBm)
DL 746-757	-0.3	7	2.05	4.6	17
DL 728-746	-0.2	7	2.05	4.8	17
DL 869-894	2.8	7	2.12	7.7	17
DL 2110-2155	2.7	10	2.98	9.7	17
DL 1930-1995	4.7	10	2.83	11.9	17
UL 1850-1915	18.1	10	6.17	21.9	30
UL 1710-1755	17.1	10	5.8	21.3	30
UL 824-849	17.7	10	3.98	23.8	30
UL 698-716	19.5	10	3.52	25.9	30
UL 776-787	18.4	10	3.52	24.8	30

4.1MHz AWGN					
Frequency	Output Power	Ant Gain	Cable Loss	EIRP(dBm)	Limit(dBm)
DL 746-757	-6.0	7	2.05	-1.1	17
DL 728-746	-5.8	7	2.05	-0.8	17
DL 869-894	-3.0	7	2.12	1.9	17
DL 2110-2155	-3.2	10	2.98	3.8	17
DL 1930-1995	-1.1	10	2.83	6.1	17
UL 1850-1915	19.1	10	6.17	22.9	30
UL 1710-1755	18.6	10	5.8	22.8	30
UL 824-849	18.6	10	3.98	24.6	30
UL 698-716	19.4	10	3.52	25.9	30
UL 776-787	18.6	10	3.52	25.1	30

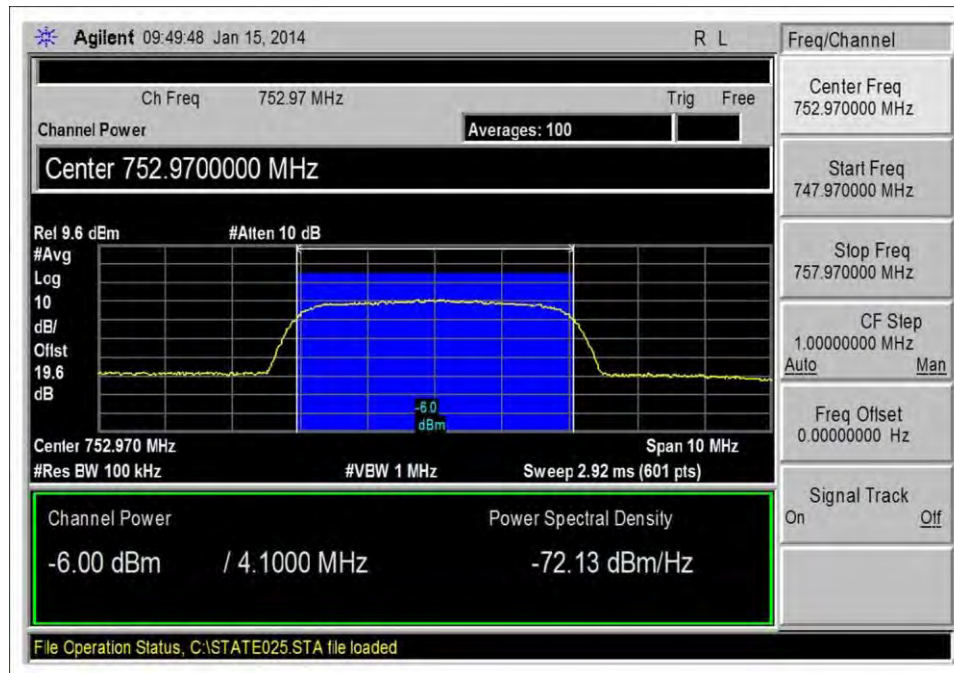
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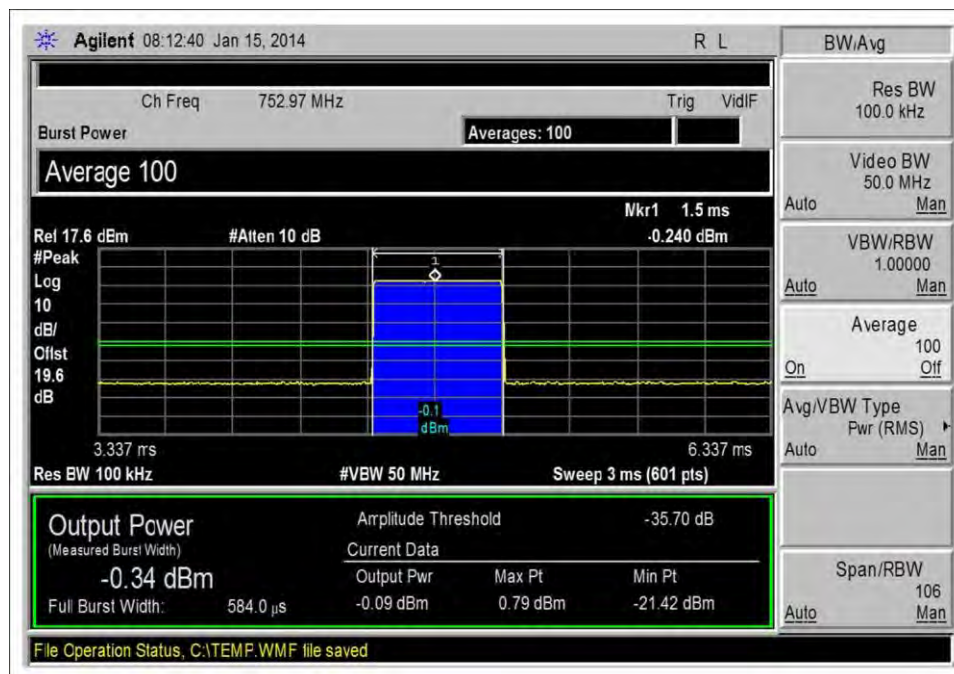
DL_728-746_AWGN



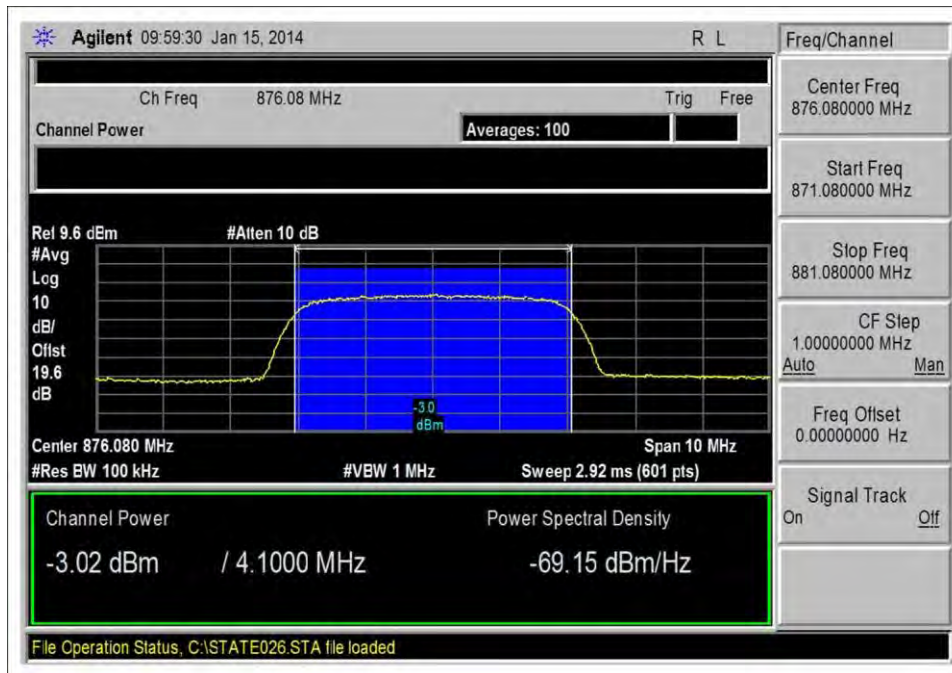
DL_728-746_GSM



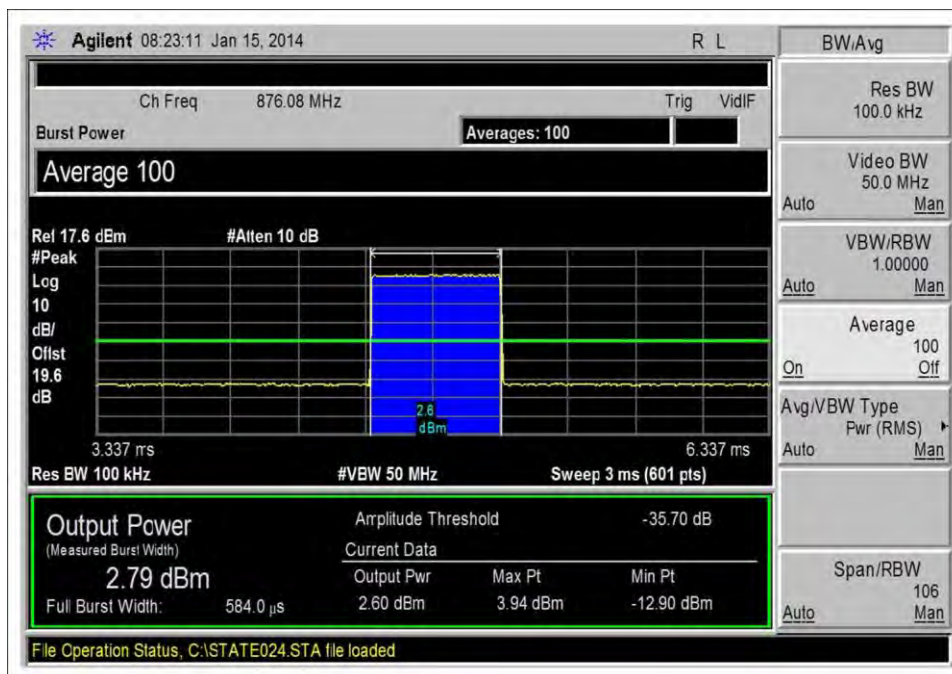
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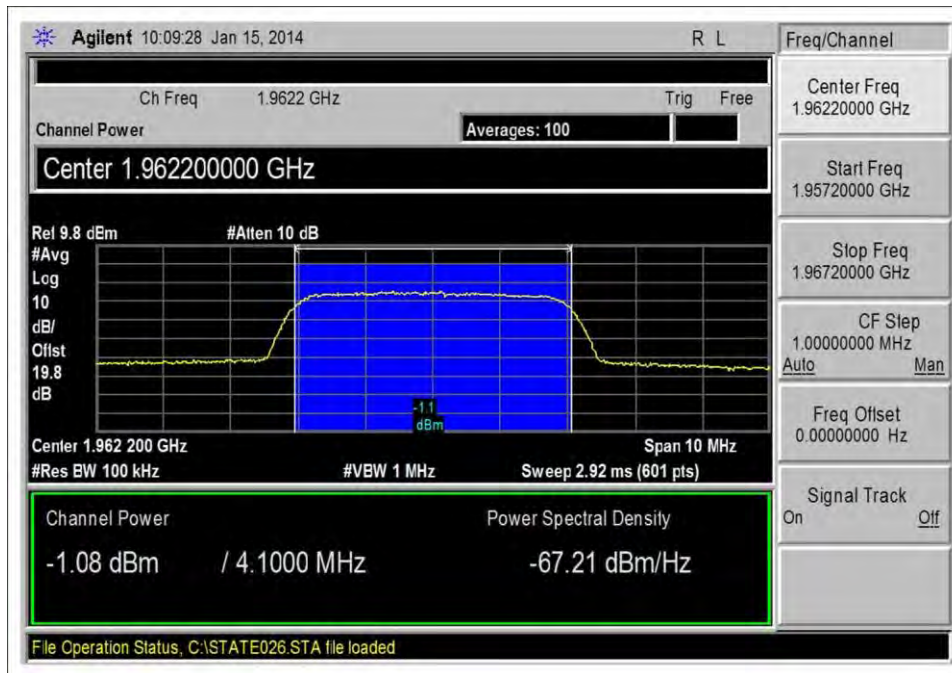
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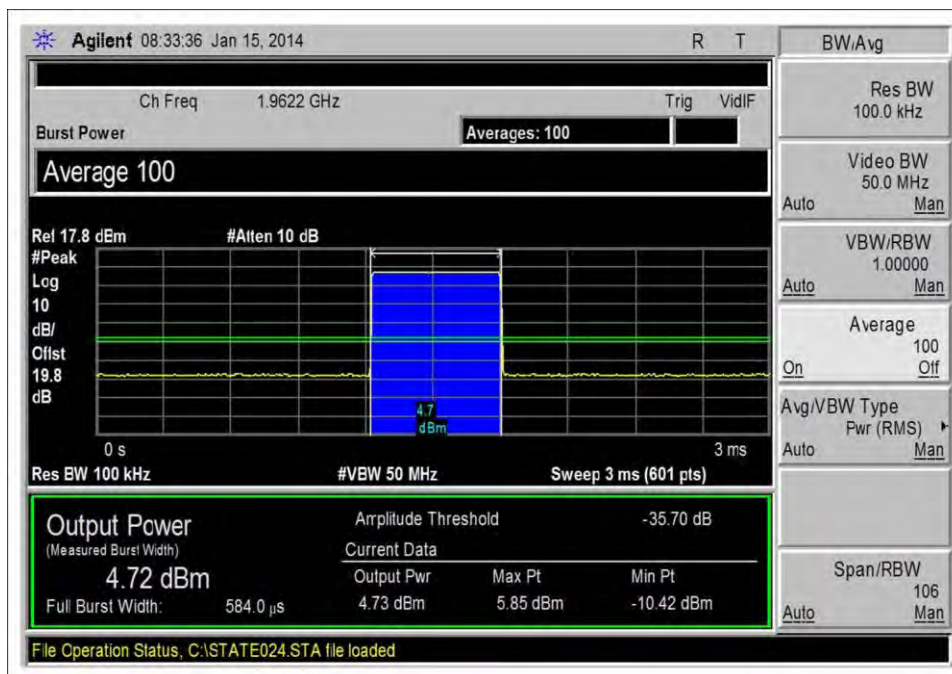
DL_869-894_AWGN



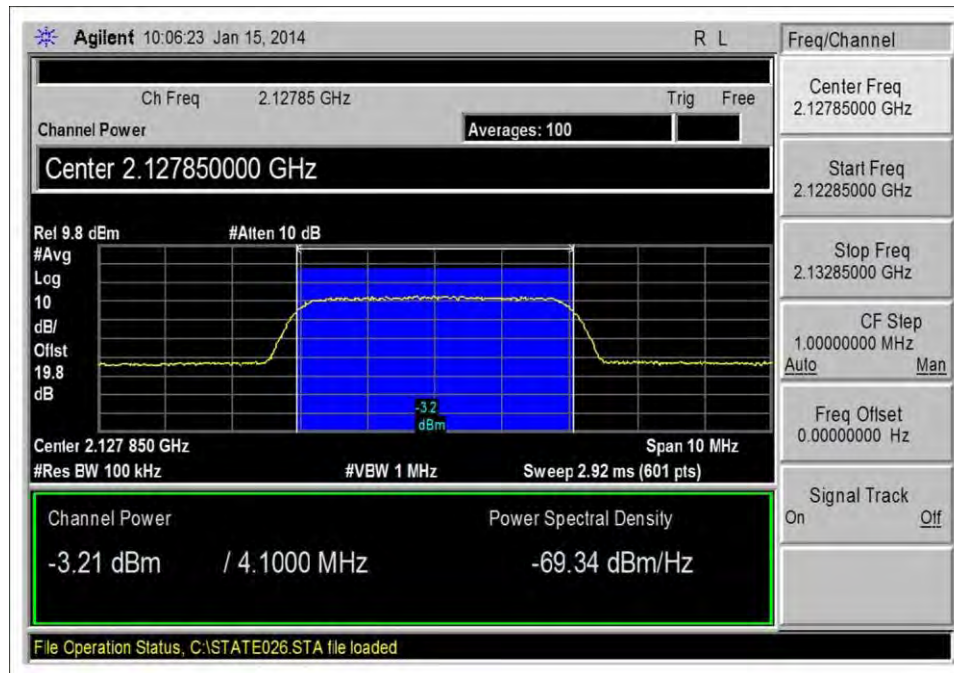
DL_869-894_GSM



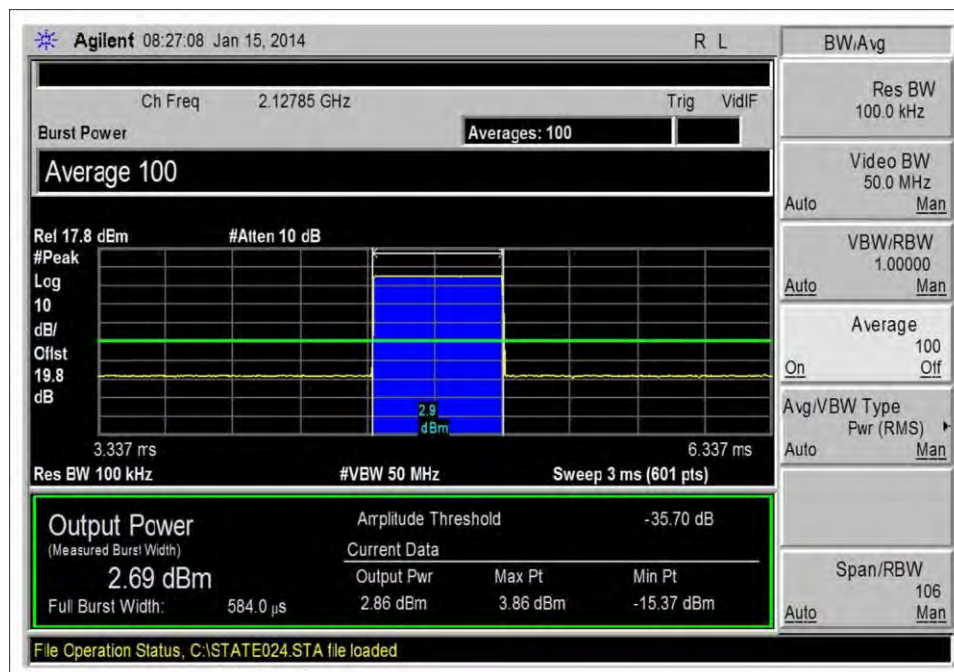
DL_1930-1990_AWGN



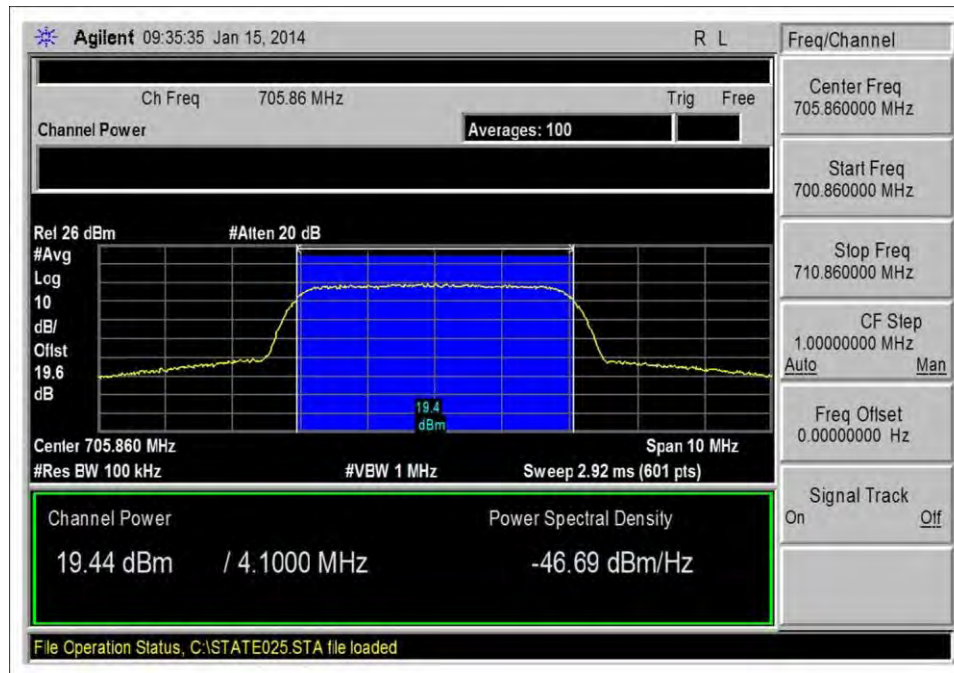
DL_1930-1990_GSM



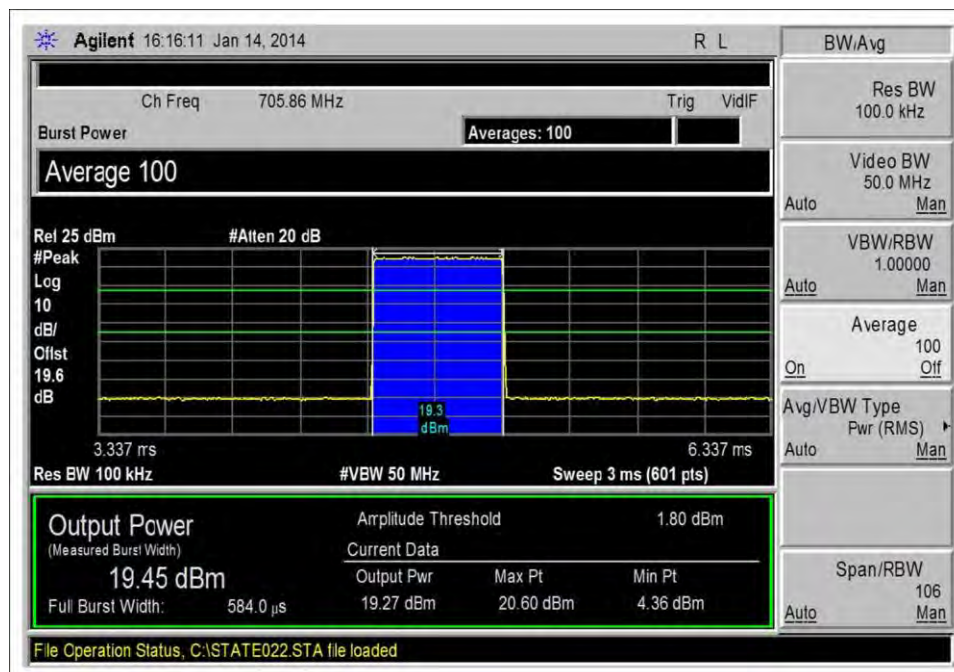
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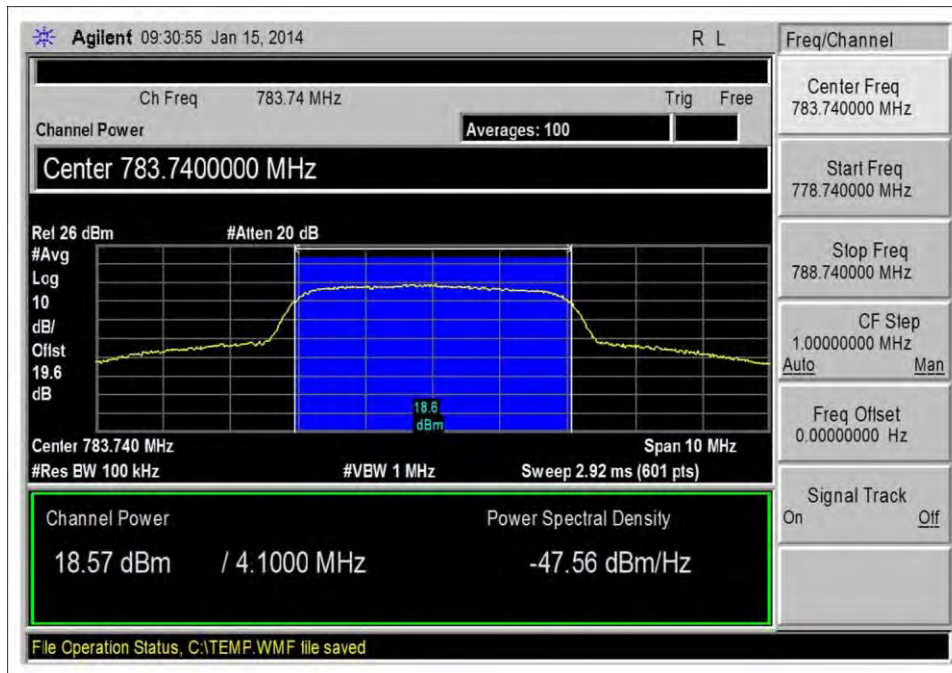
DL_2110-2155_GSM



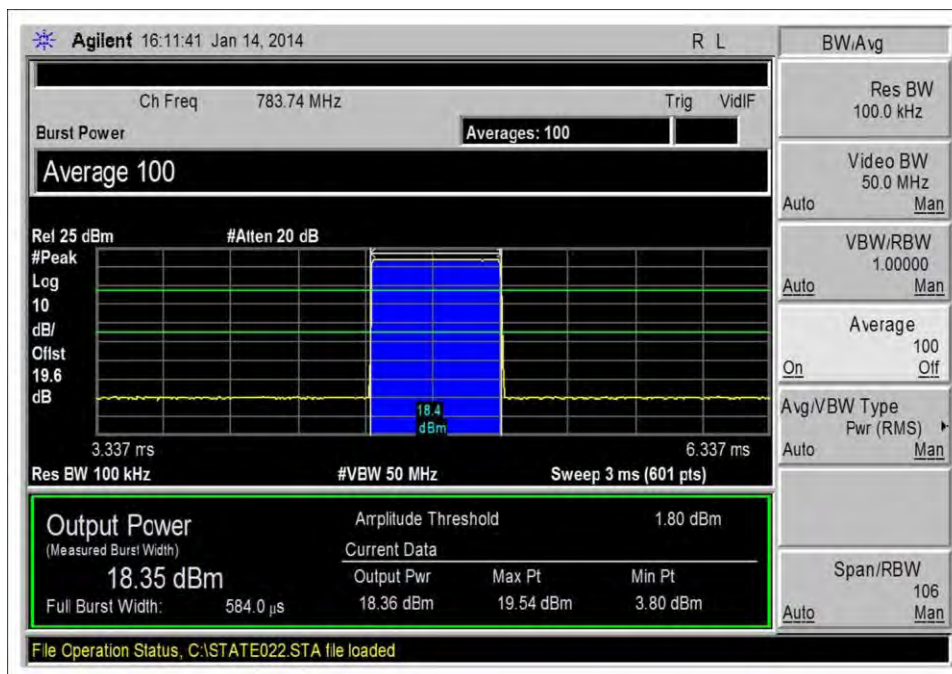
UL_698-716_AWGN



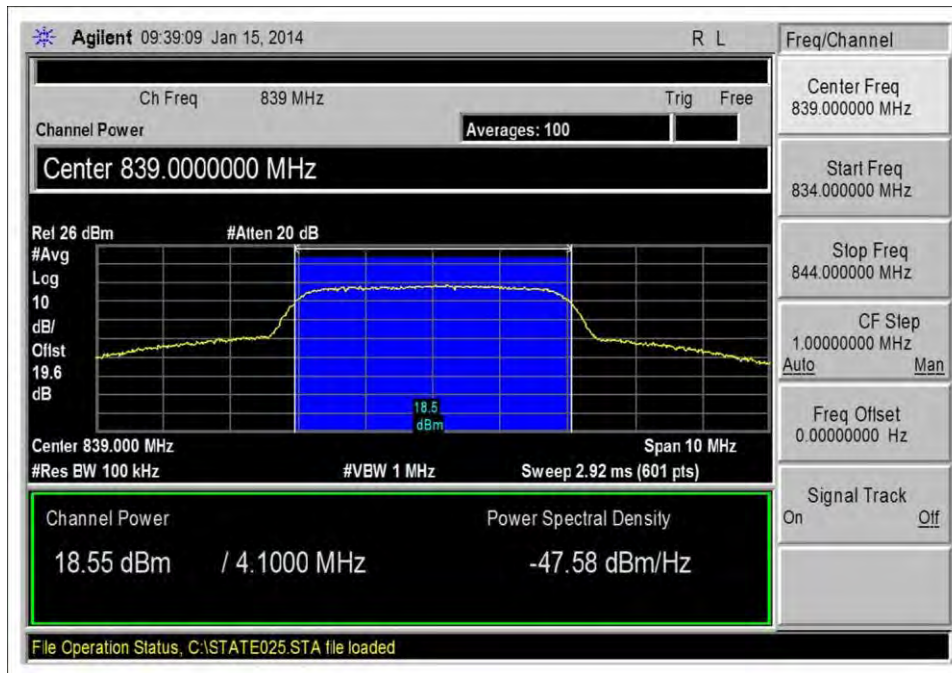
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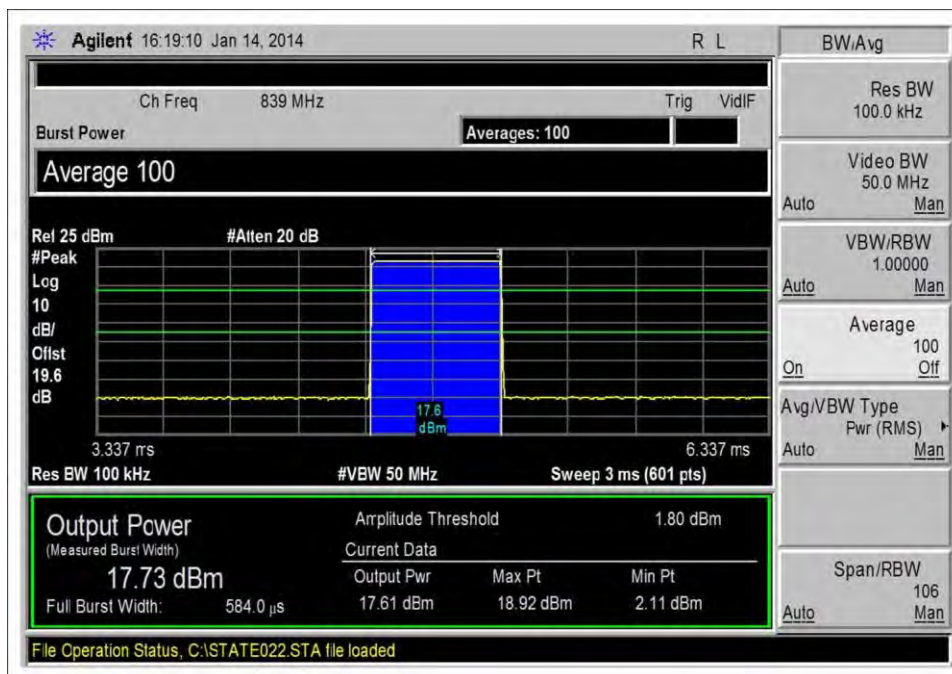
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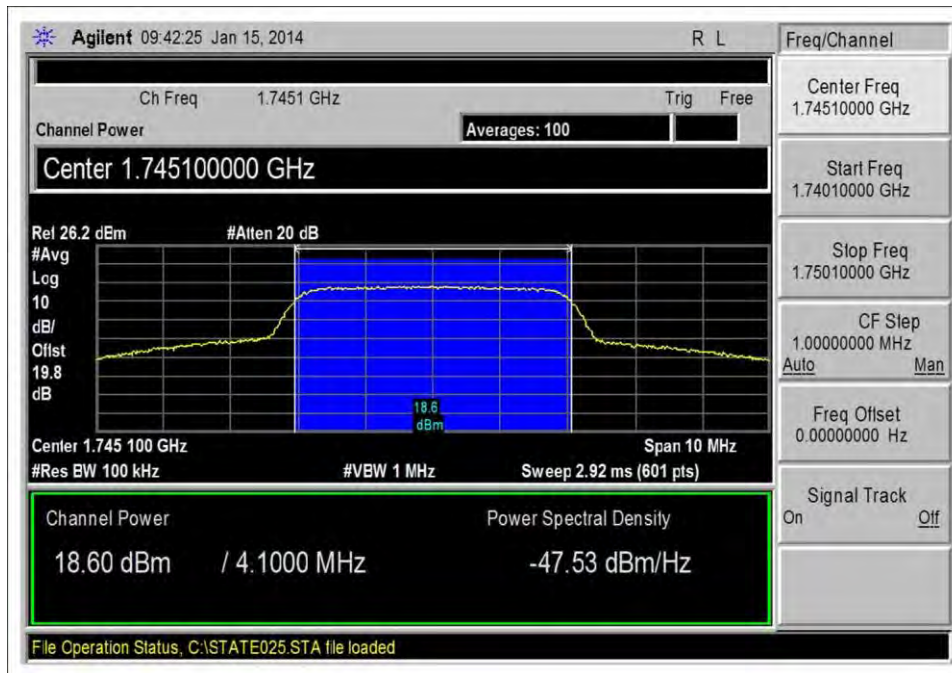
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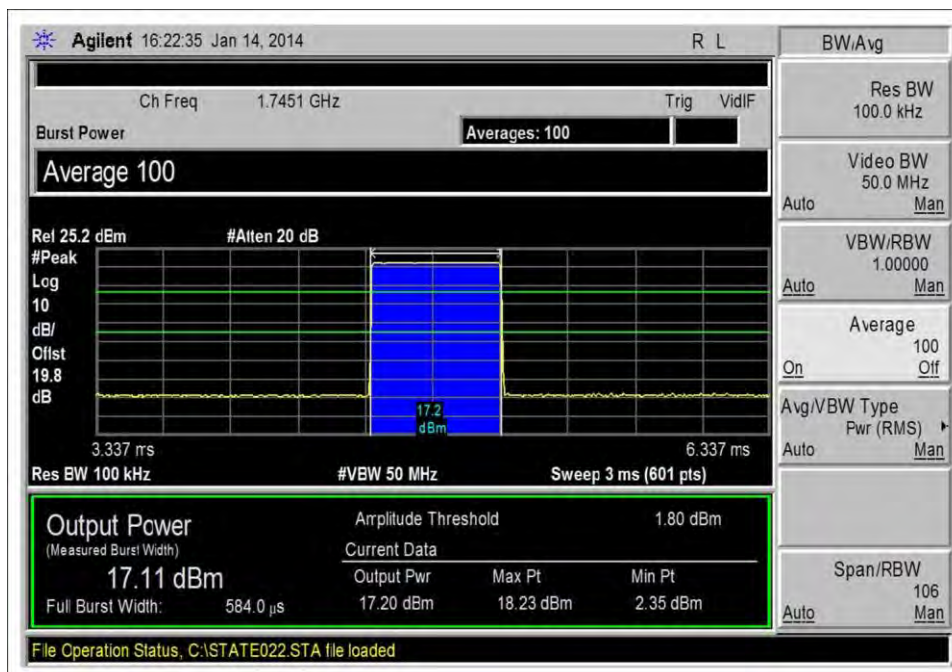
UL_824-849_AWGN



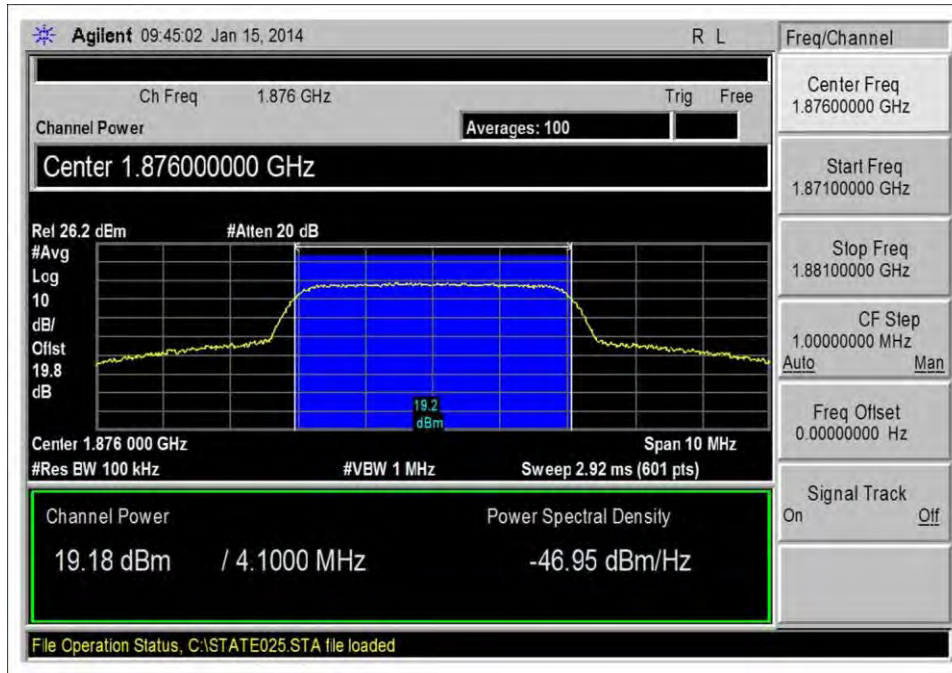
UL_824-849_GSM



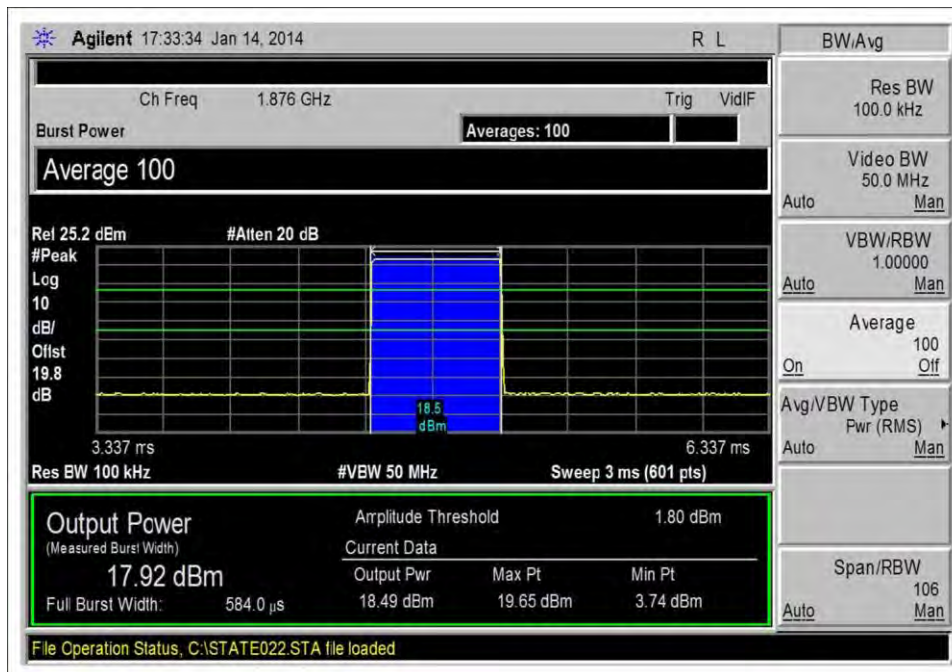
UL_1710-1755_AWGN



UL_1710-1755_GSM



UL_1850-1910_AWGN



UL_1850-1910_GSM

Test Setup Photo(s)

Note: For section 7.3 there is no setup photo since it consists only of calculations.



Clause 7.4 Intermodulation Product

Test Conditions / Setup

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

Customer: **Cellphone-Mate, Inc.**
 Specification: **7.4 Intermodulation Product**
 Work Order #: **95308** Date: 01/15/2014
 Test Type: **Conducted Emissions**
 Equipment: Fixed Wideband Consumer Signal
 Booster
 Manufacturer: Cellphone-Mate, Inc. Tested By: S. Yamamoto
 Model: Fusion-5 110V 60Hz
 S/N: (none)

Test Equipment:

Asset #	Description	Model	Calibration Date	Cal Due Date
02672	Spectrum Analyzer	E4446A	8/14/2013	8/14/2015
03431	Attenuator	89-20-21	9/5/2013	9/5/2015
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.	Fusion-5	(none)

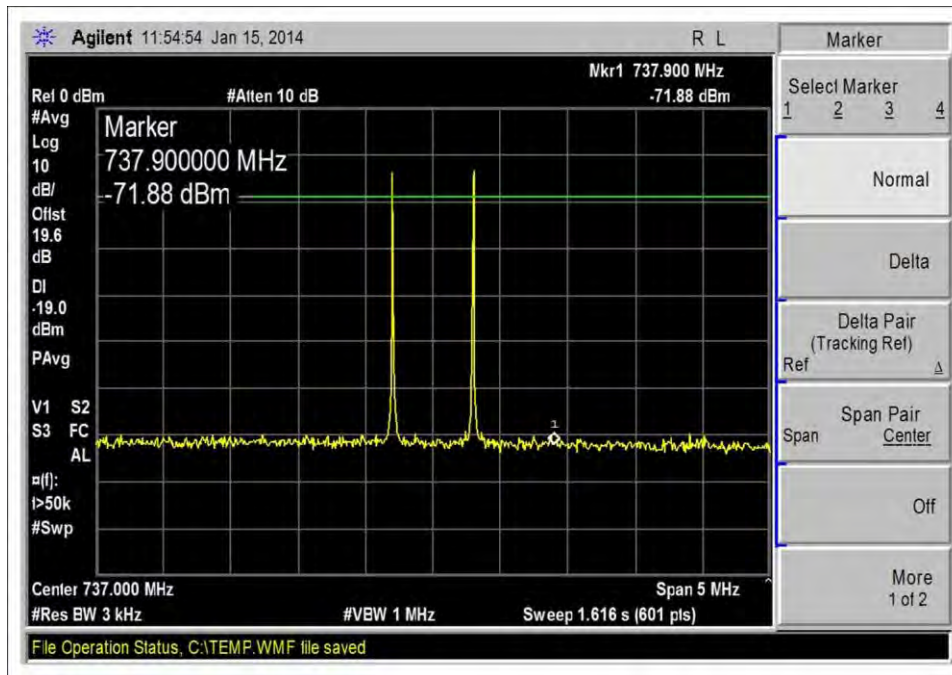
Support Devices:

Function	Manufacturer	Model #	S/N
Signal Generator	Agilent	E4438C	MY42082260
Signal Generator	Agilent	E4438C	MY42081492
Combiner	Anaren	44000	0583
AC to 9Vdc Power Adapter	SureCall	GFP451DA-0945-1	(none)

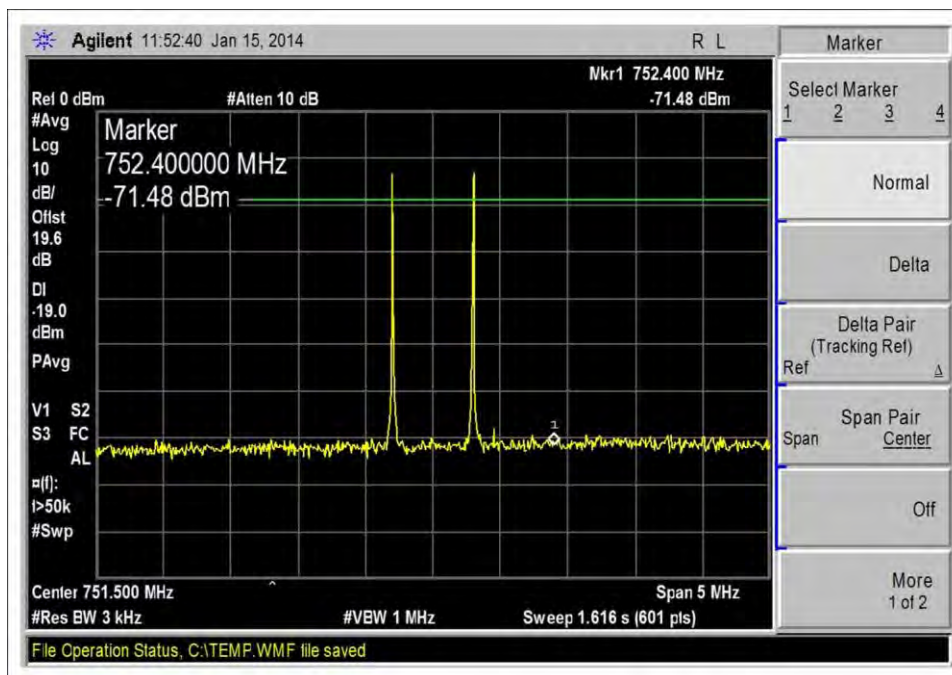
Test Conditions / Notes:

The EUT is placed on the test bench. Gain is set to the maximum gain.
 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 1850-1910MHz, DL 746-757MHz, DL 728-746MHz, DL 869-894MHz, DL 2110-2155MHz, DL 1930-1990MHz
 Intermodulation Product Test procedure: The test was performed IAW section 7.4 of the FCC Publication: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance DR04-41516: August 7, 2013.
 Site D. Test environment conditions: 21°C, 37%, 100kPa

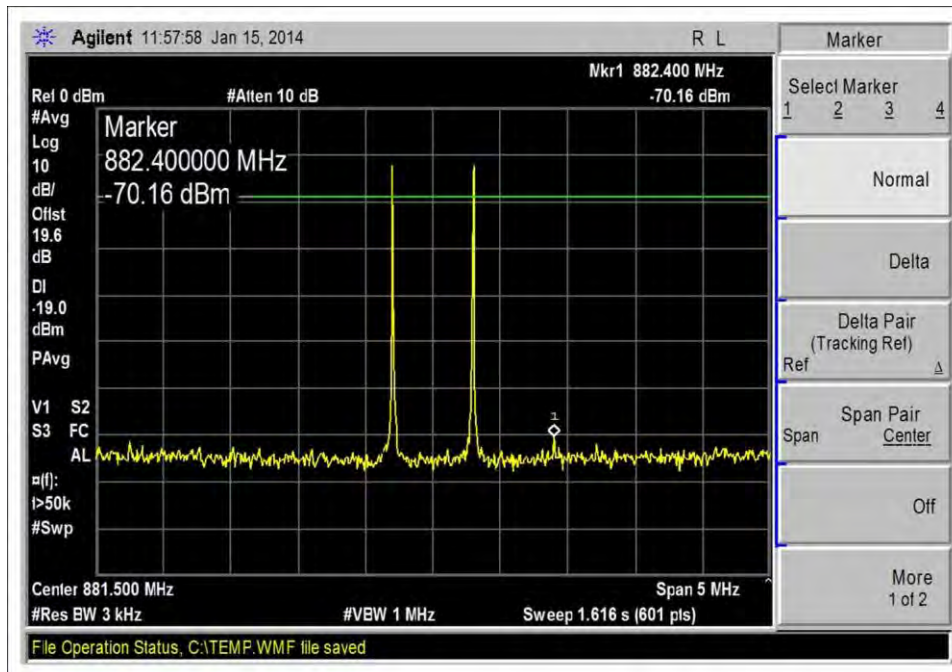
Test Data



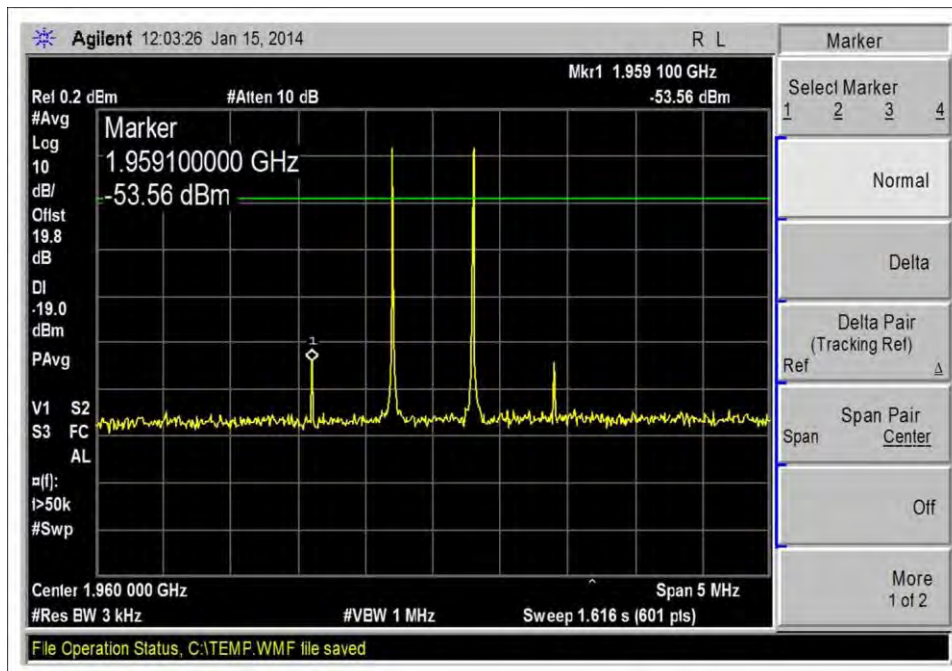
DL_728-746MHz



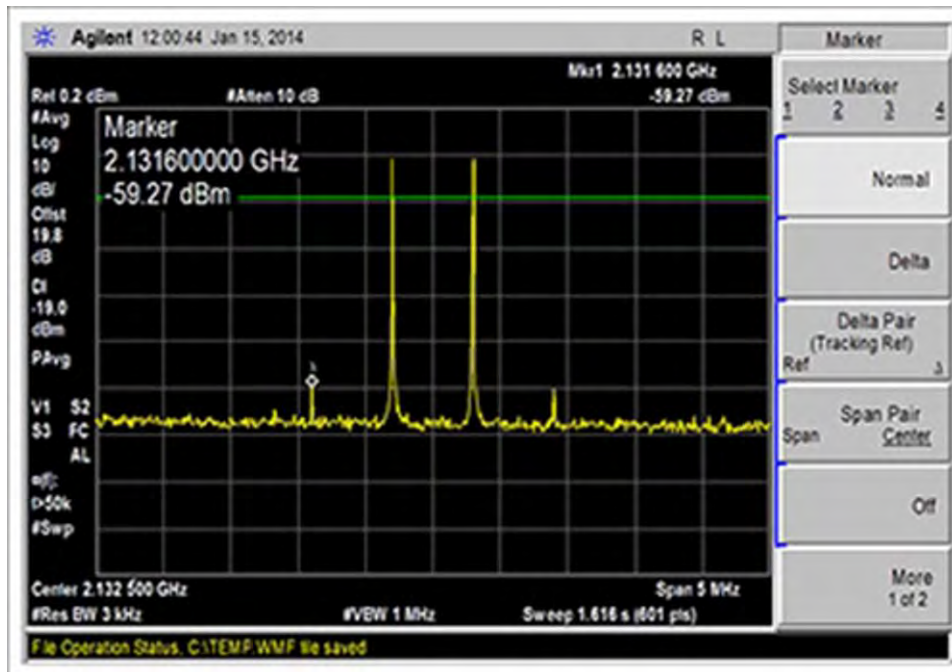
DL_746-757MHz



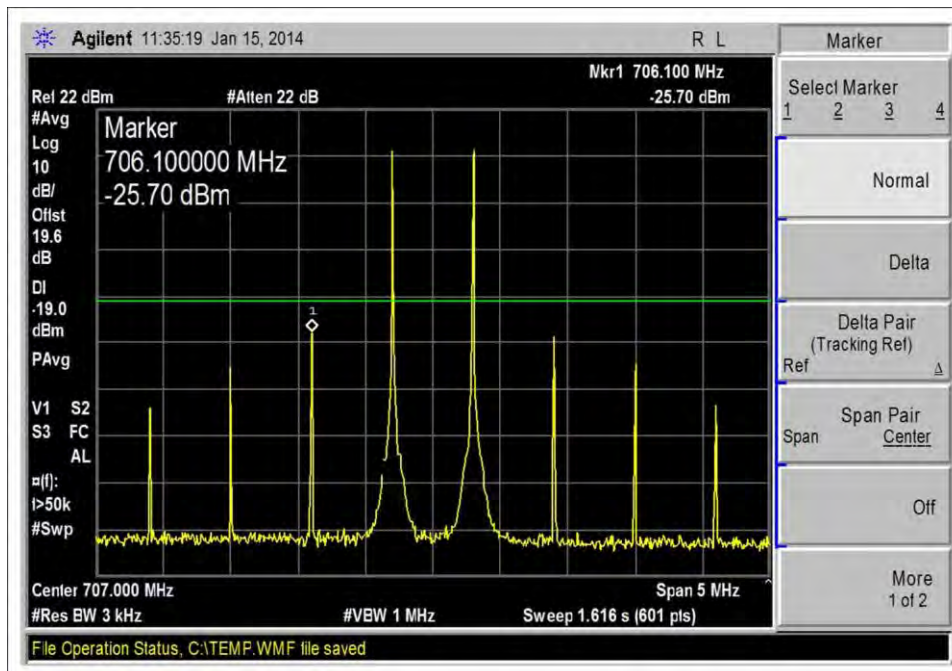
DL_869-894MHz.



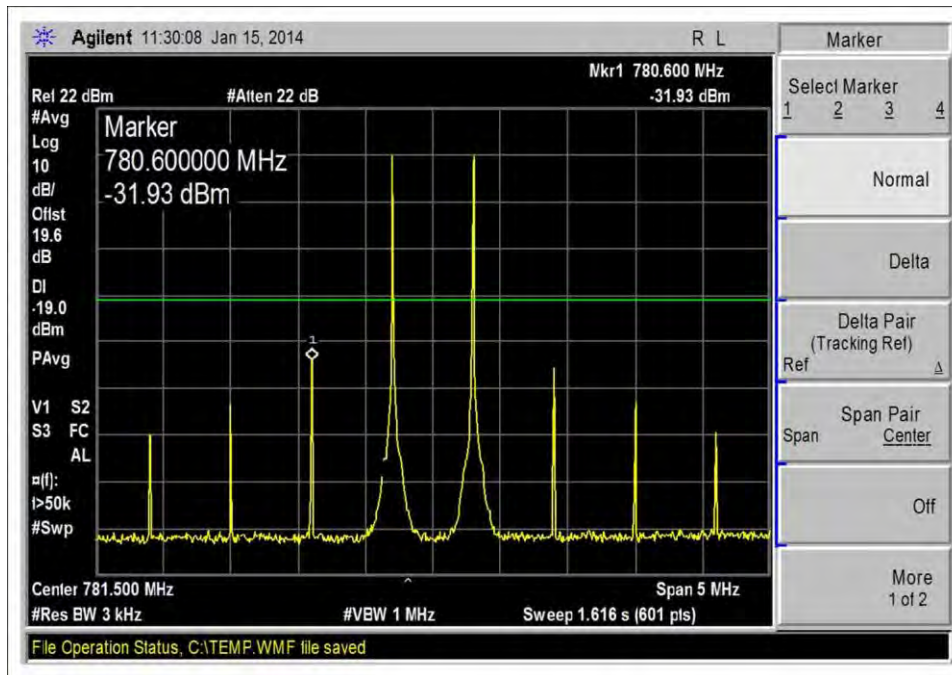
DL_1930-1990MHz



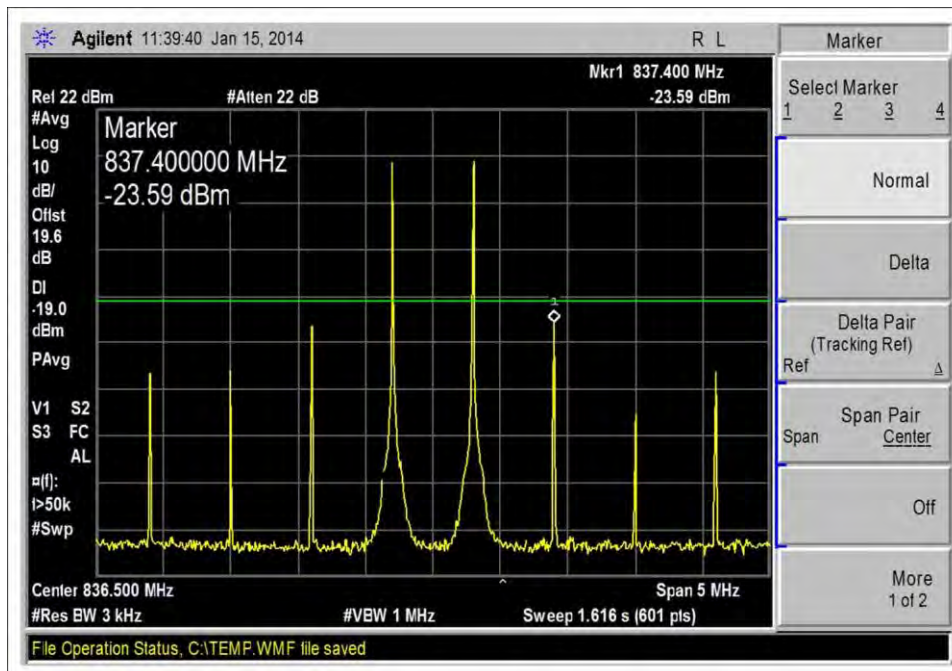
DL_2110-2155MHz



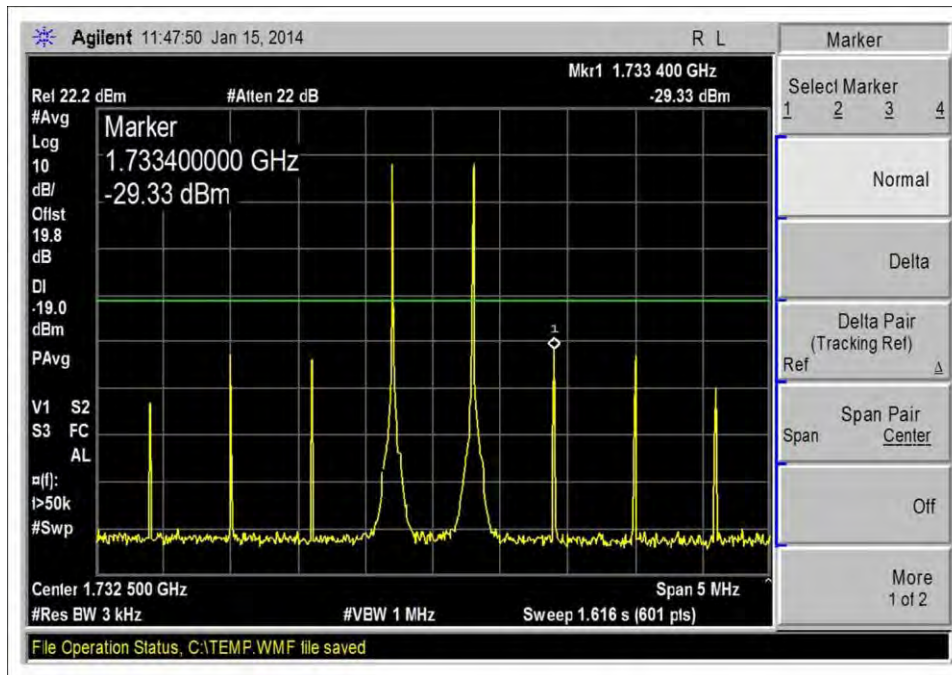
UL_698-716MHz



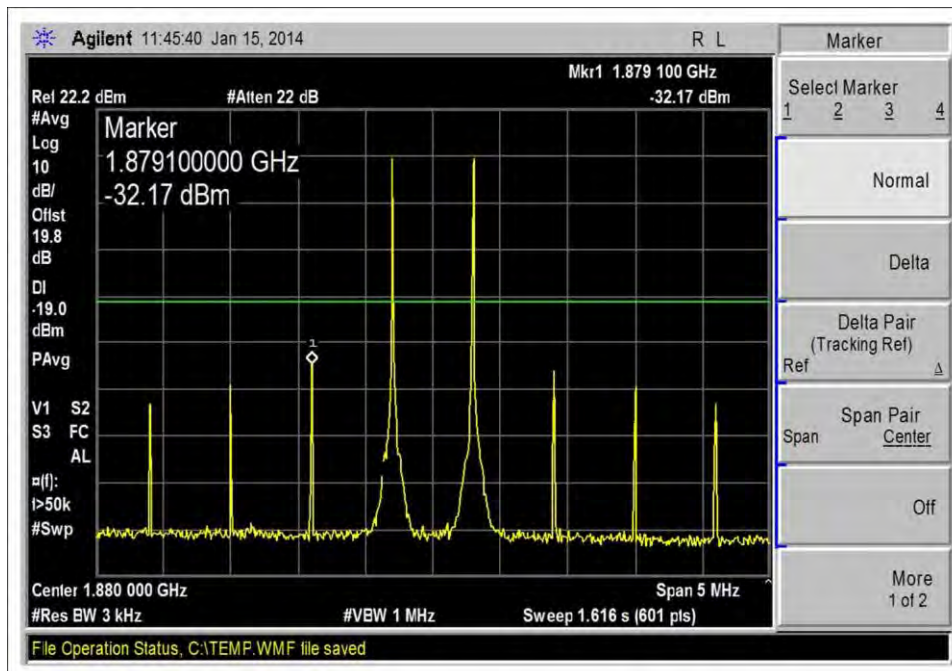
UL_776-787MHz



UL_824-849MHz



UL_1710-1755



UL_1850-1910MHz

Test Setup Photo(s)



Clause 7.5 Out of Band Emissions

Test Conditions / Setup

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

Customer: **Cellphone-Mate, Inc.**
 Specification: **7.5 Out of band emissions**
 Work Order #: **95308** Date: 01/15,16/2014
 Test Type: **Conducted Emissions**
 Equipment: Fixed Wideband Consumer Signal
 Booster
 Manufacturer: Cellphone-Mate, Inc. Tested By: S. Yamamoto
 Model: Fusion-5 110V 60Hz
 S/N: (none)

Test Equipment:

Asset #	Description	Model	Calibration Date	Cal Due Date
02672	Spectrum Analyzer	E4446A	8/14/2013	8/14/2015
03431	Attenuator	89-20-21	9/5/2013	9/5/2015
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.	Fusion-5	(none)

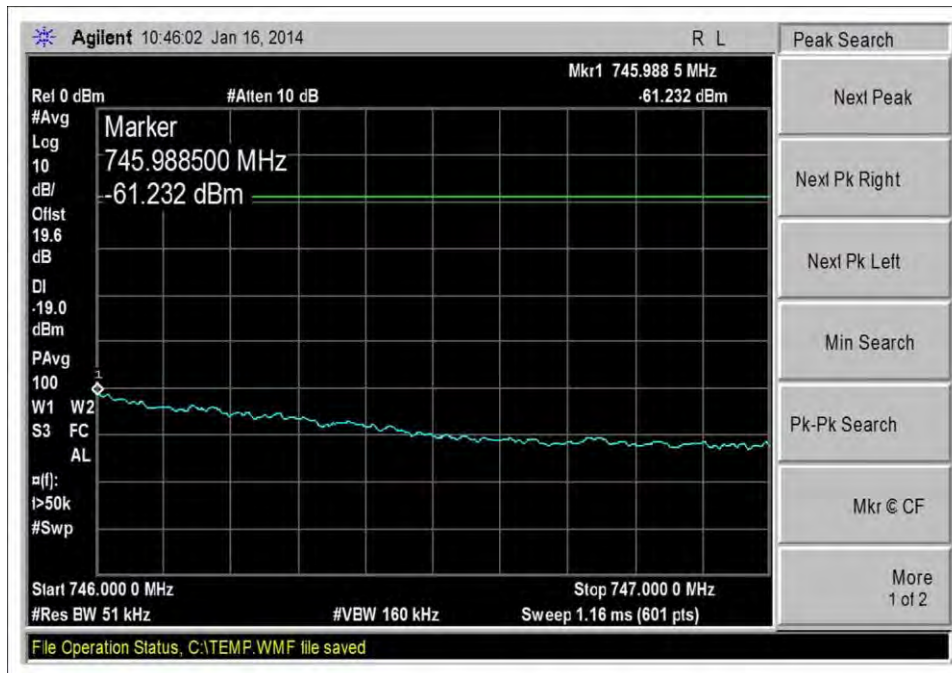
Support Devices:

Function	Manufacturer	Model #	S/N
Signal Generator	Agilent	E4438C	MY42081492
AC to 9Vdc Power Adapter	SureCall	GFP451DA-0945-1	(none)

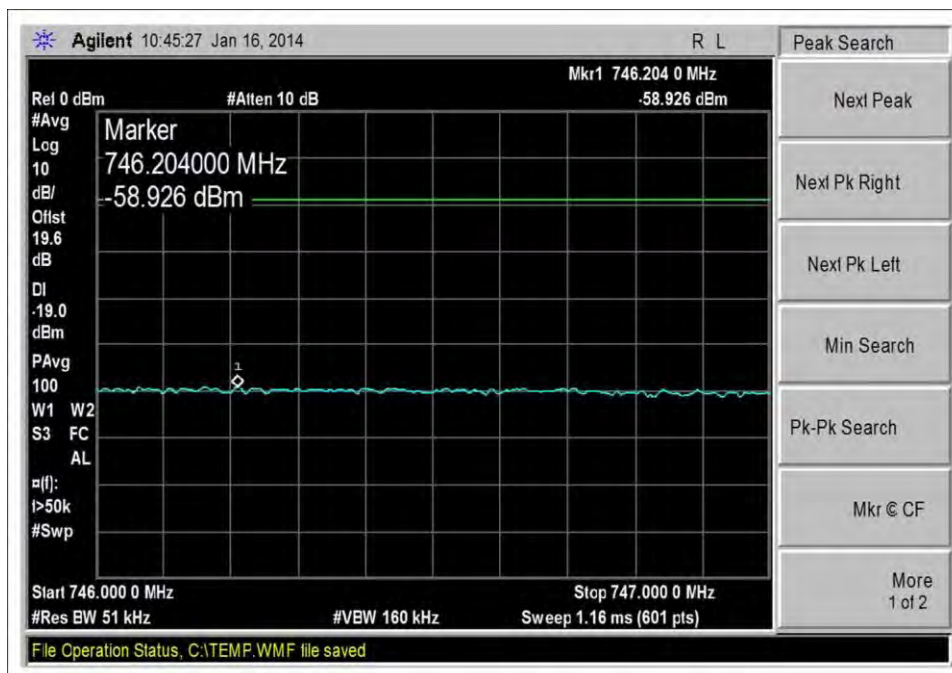
Test Conditions / Notes:

The EUT is placed on the test bench. Gain is set to the maximum gain.
 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 1850-1910MHz, DL 746-757MHz, DL 728-746MHz, DL 869-894MHz, DL 2110-2155MHz, DL 1930-1990MHz
 Out of band emissions test procedure: The test was performed IAW section 7.5 of the FCC Publication: 935210 D03 Wideband Consumer Signal Booster Measurement Guidance DR04-41516: August 7, 2013.
 Site D. Test environment conditions: 21°C, 37%, 100kPa

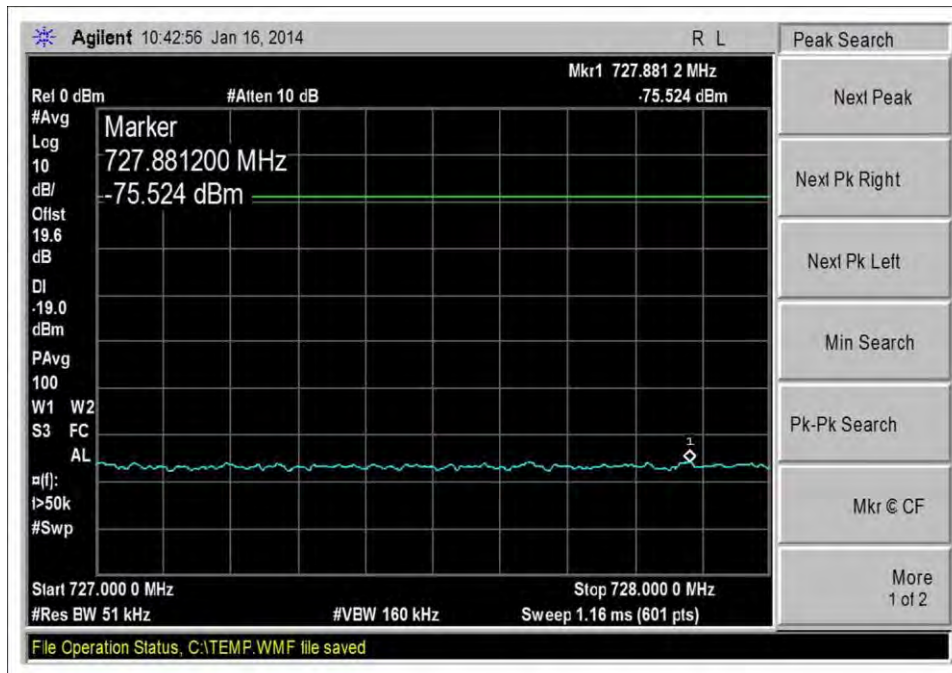
Test Data



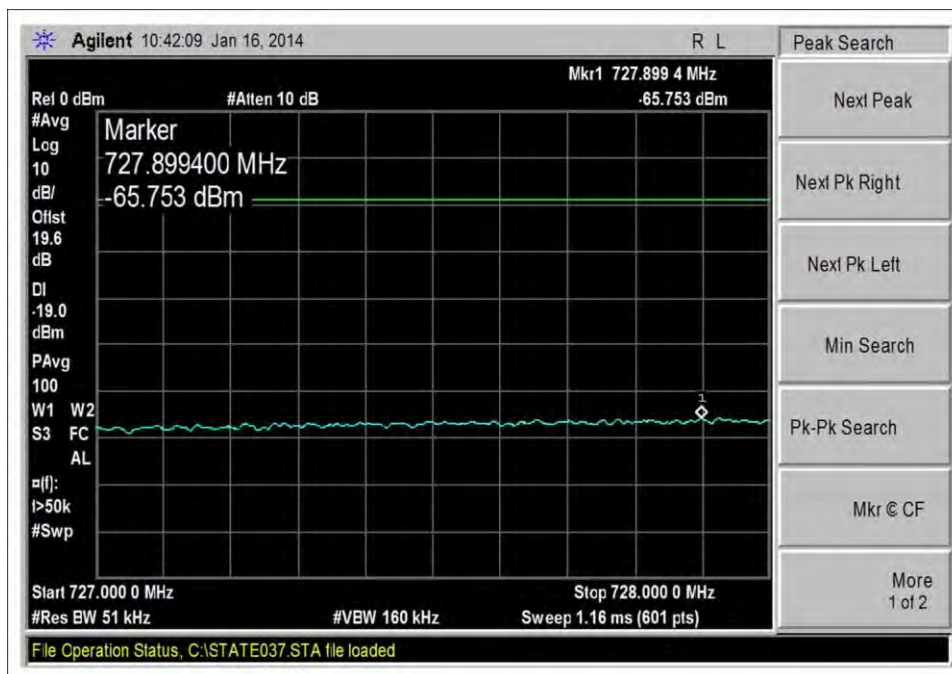
DL_728-746MHz_CDMA_H_-20dBm



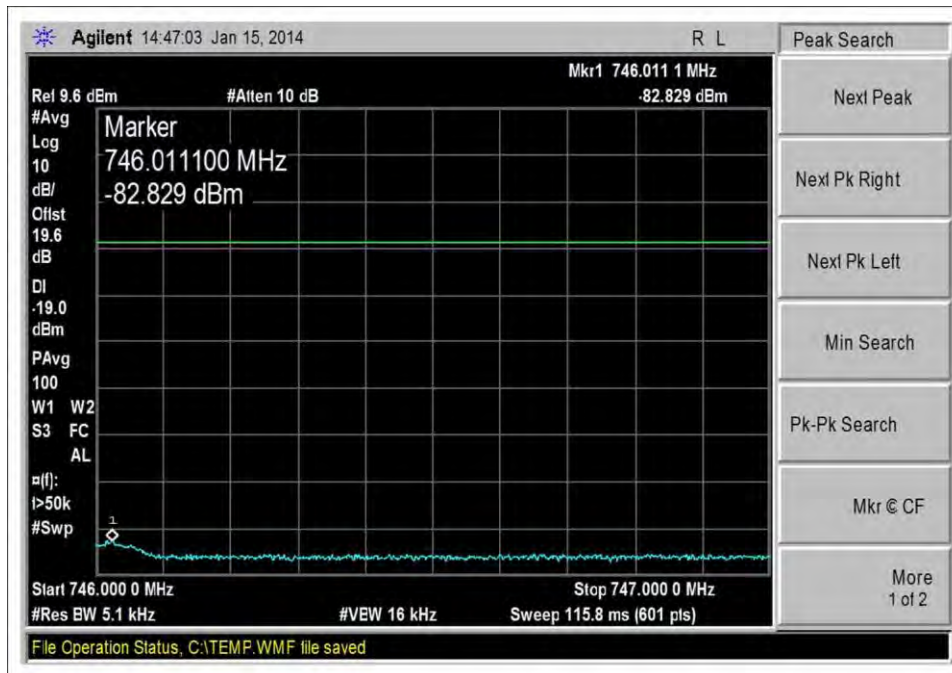
DL_728-746MHz_CDMA_H_-66dBm



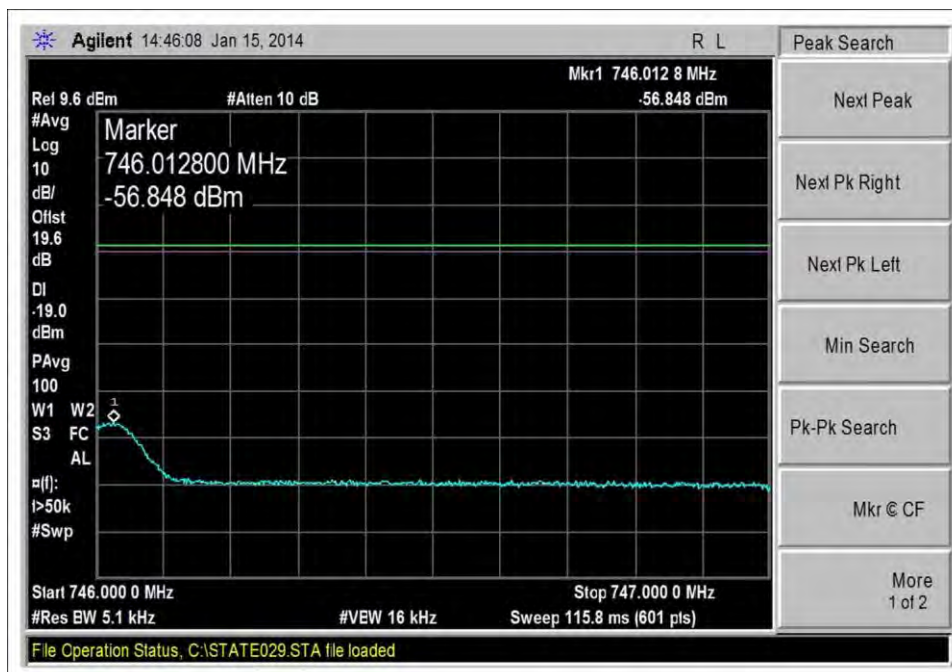
DL_728-746MHz_CDMA_L_-20dBm



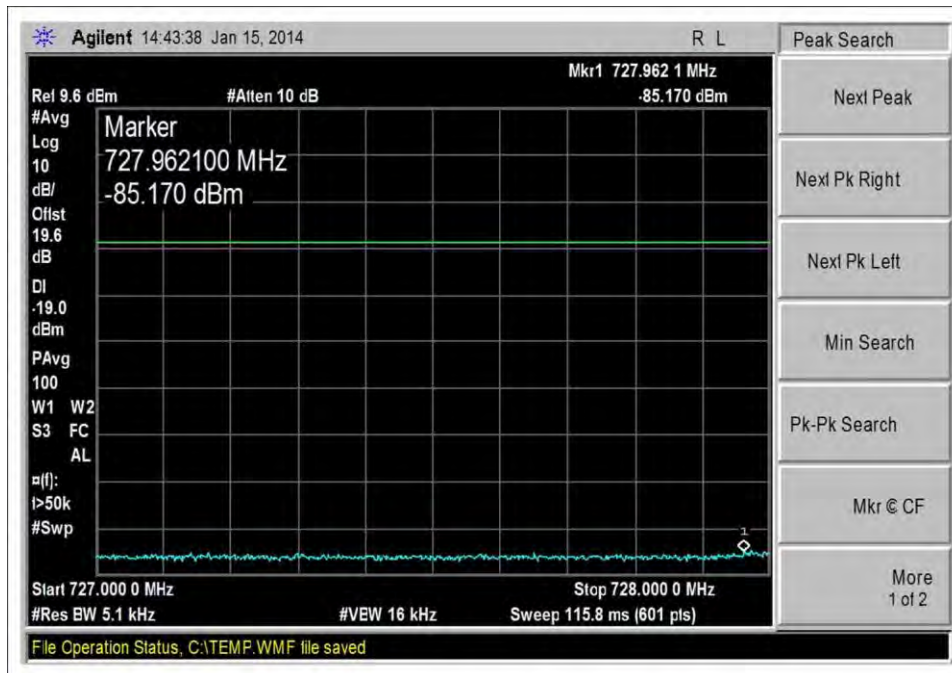
DL_728-746MHz_CDMA_L_-65dBm



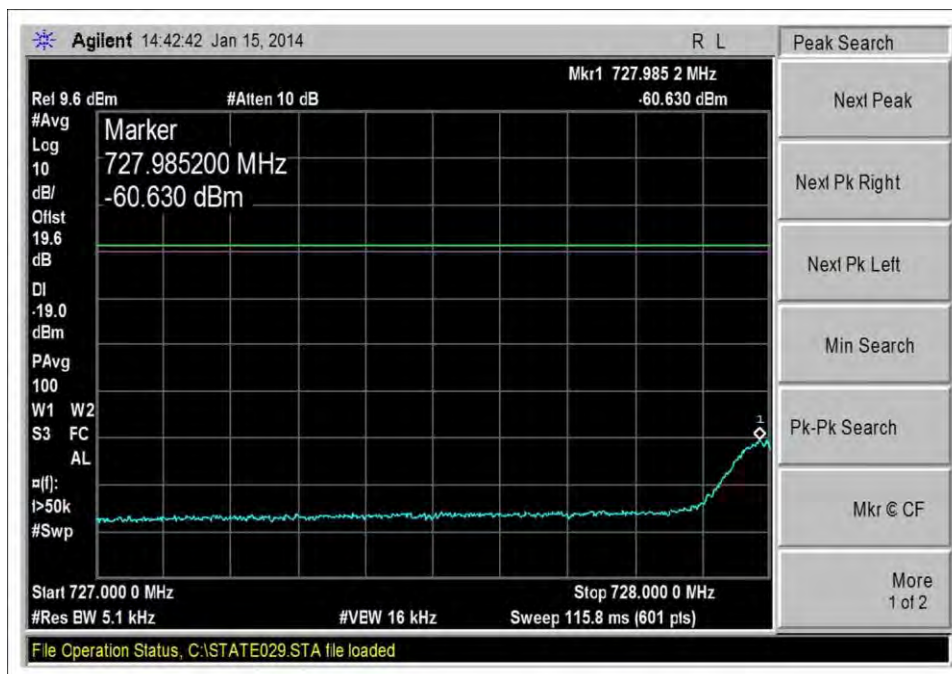
DL_728-746MHz_GSM_H_-20dBm



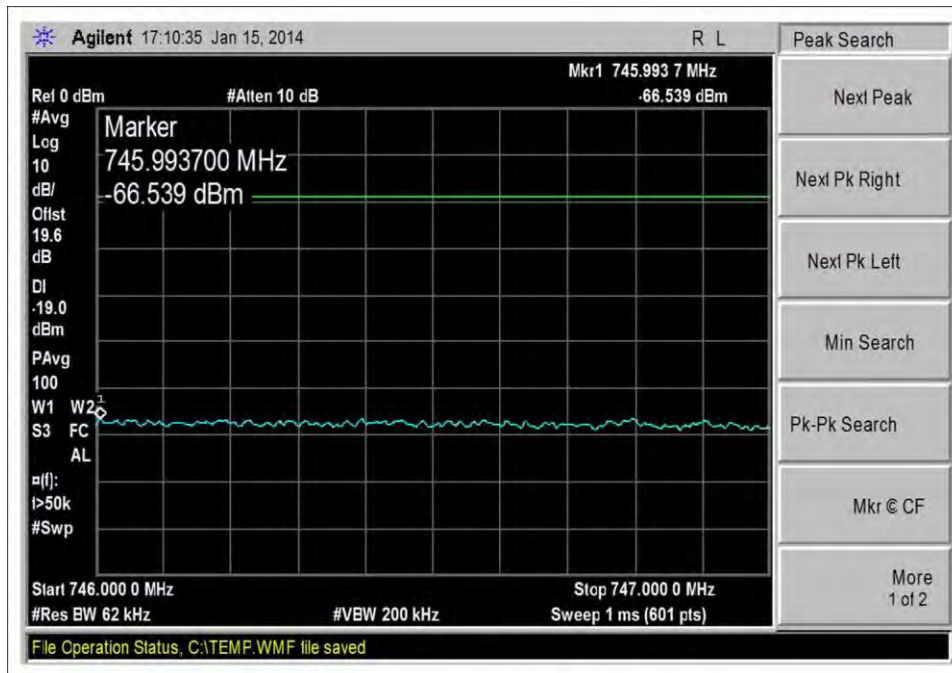
DL_728-746MHz_GSM_H_-66dBm



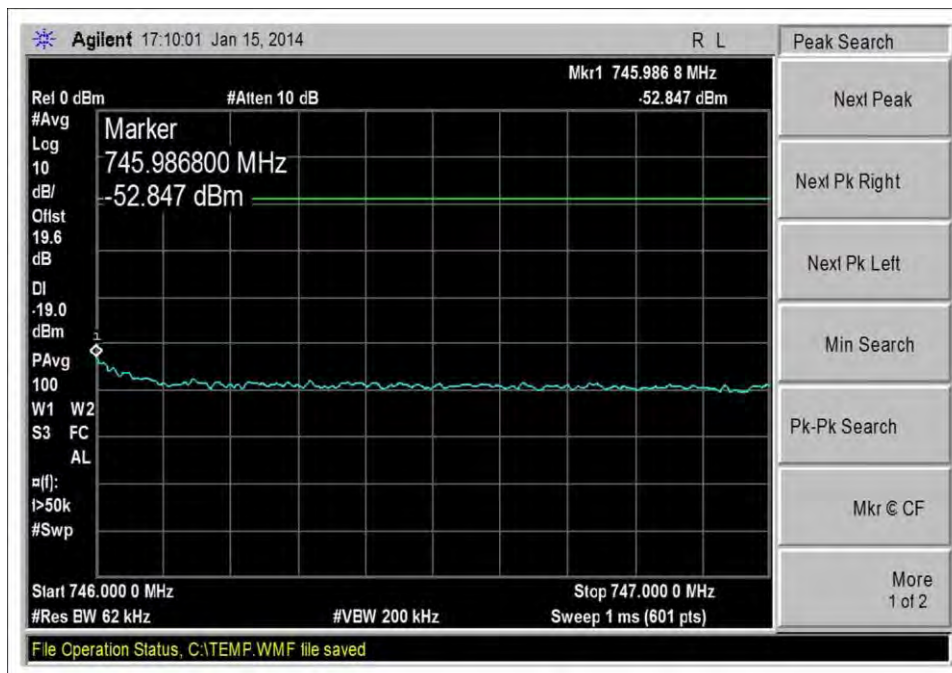
DL_728-746MHz_GSM_L_-20dBm



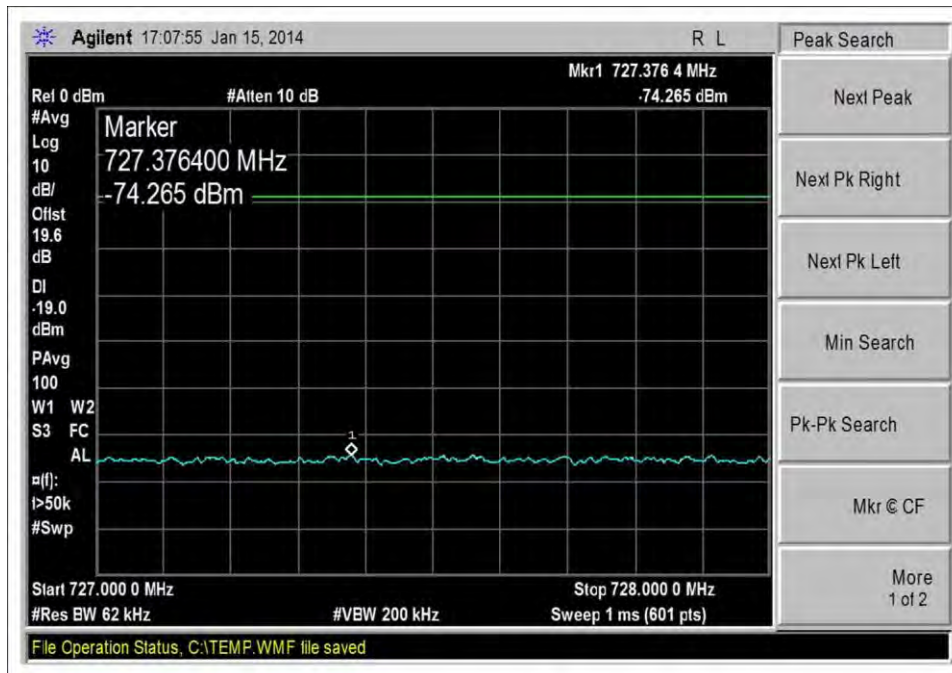
DL_728-746MHz_GSM_L_-63dBm



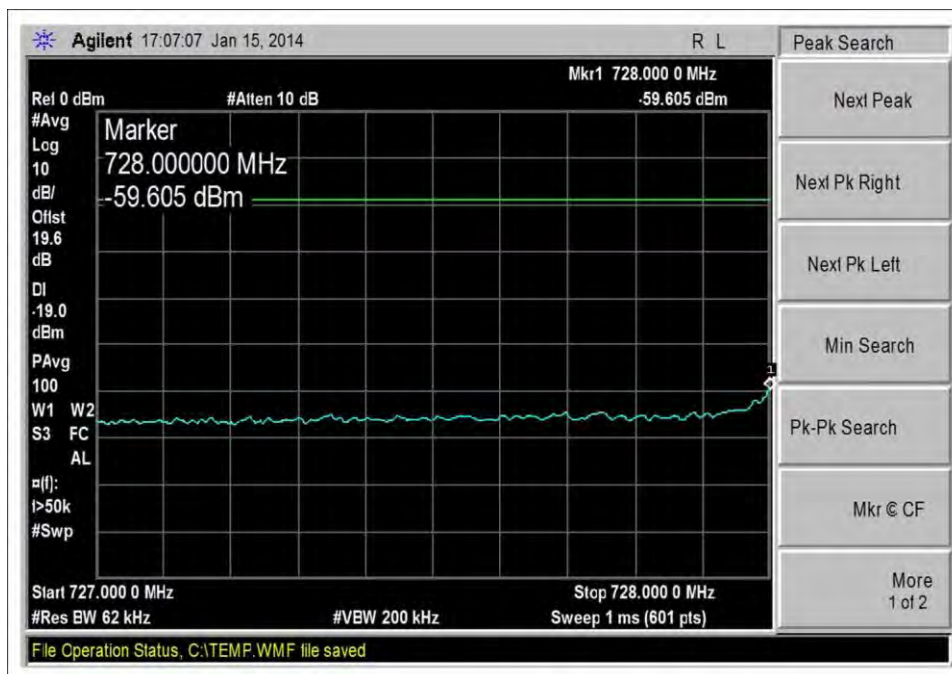
DL_728-746MHz_LTE_H_-20dBm



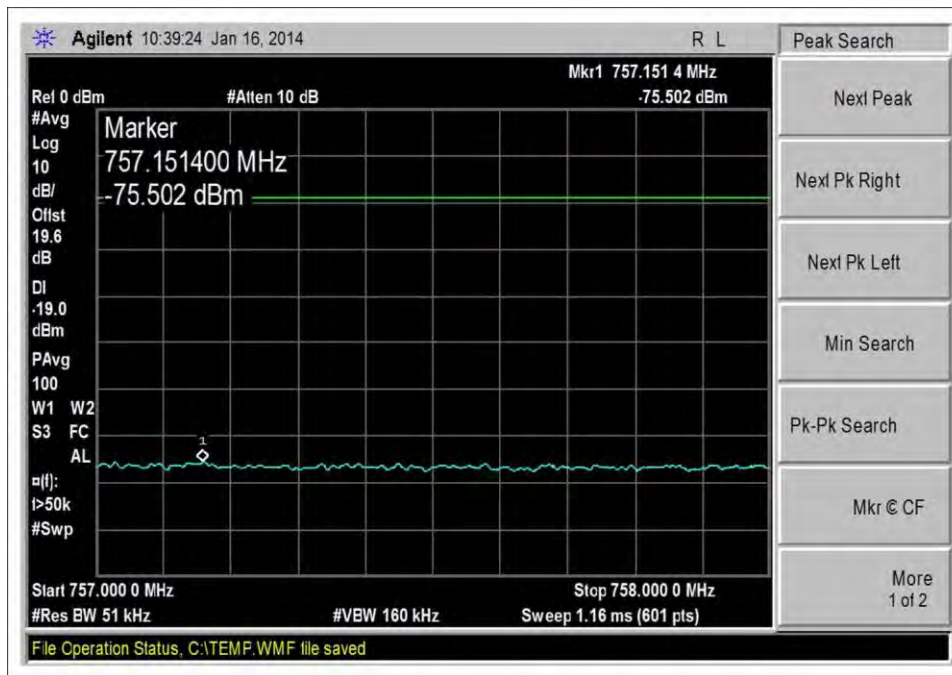
DL_728-746MHz_LTE_H_-66dBm



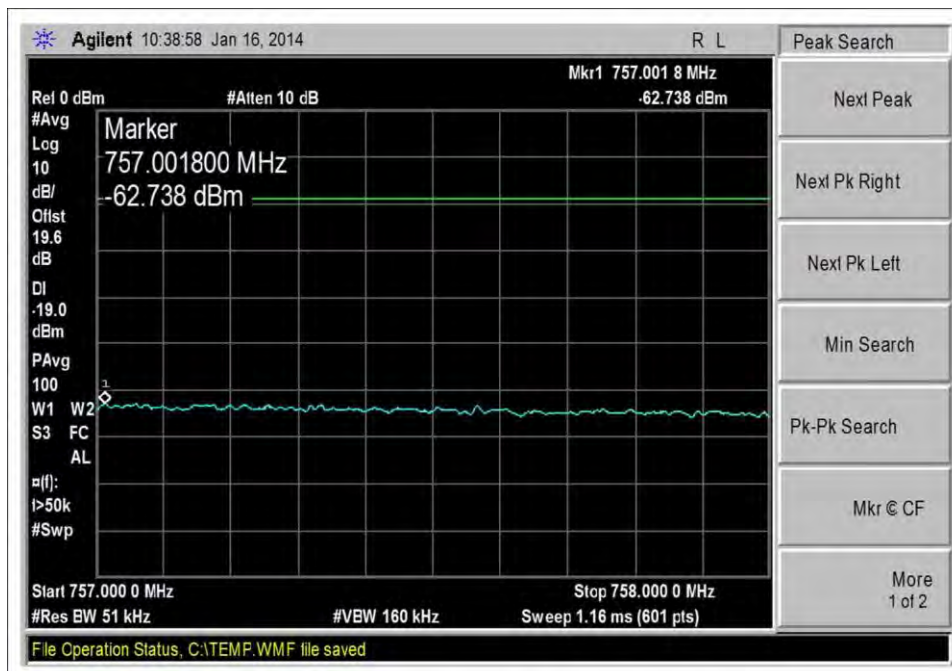
DL_728-746MHz_LTE_L_-20dBm



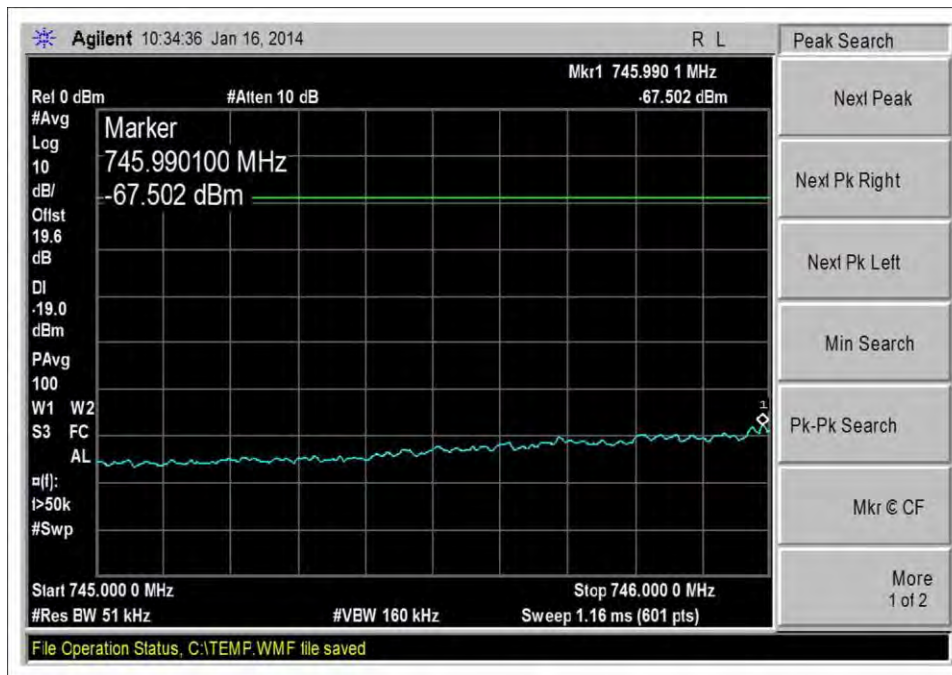
DL_728-746MHz_LTE_L_-65dBm



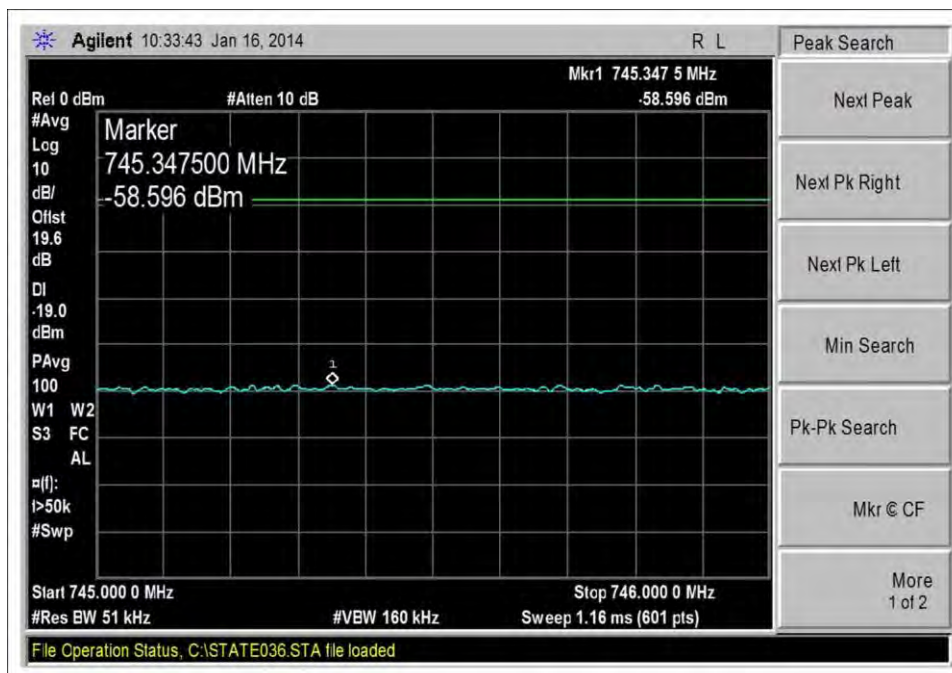
DL_746-757MHz_CDMA_H_-20dBm



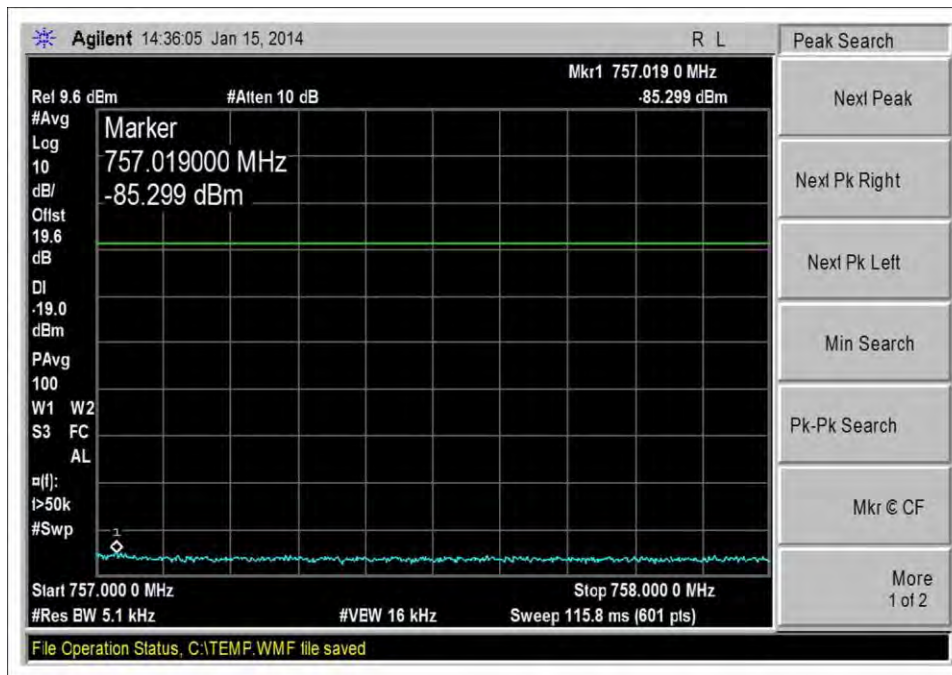
DL_746-757MHz_CDMA_H_-63dBm



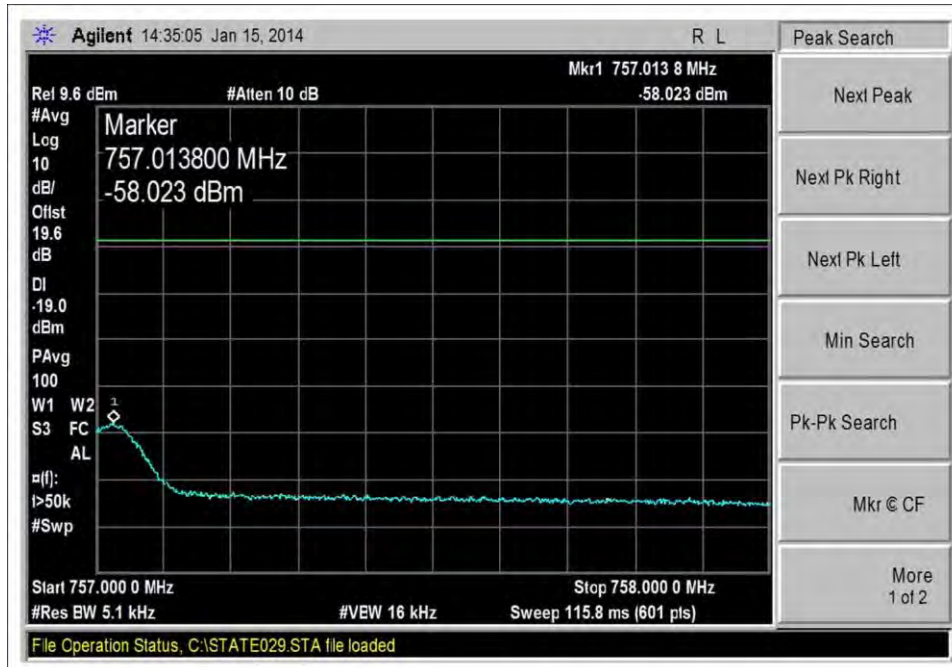
DL_746-757MHz_CDMA_L_-20dBm



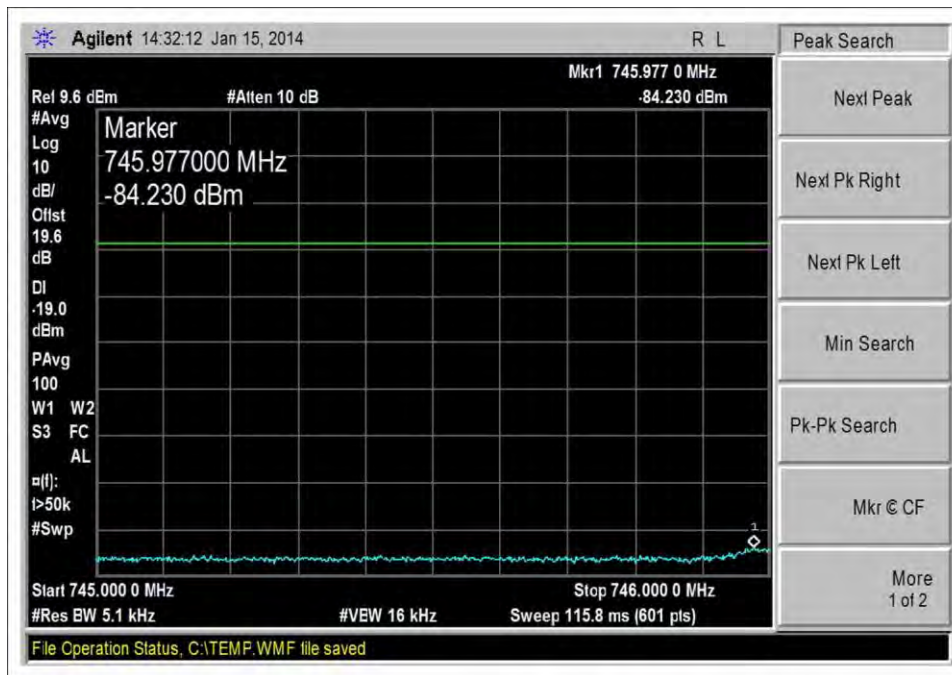
DL_746-757MHz_CDMA_L_-66dBm



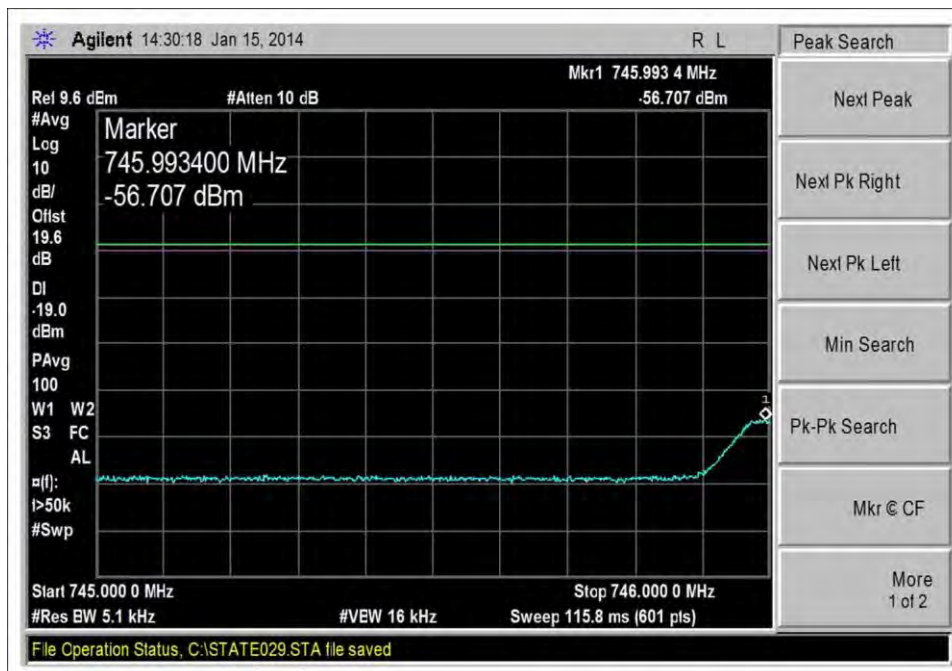
DL_746-757MHz_GSM_H_-20dBm



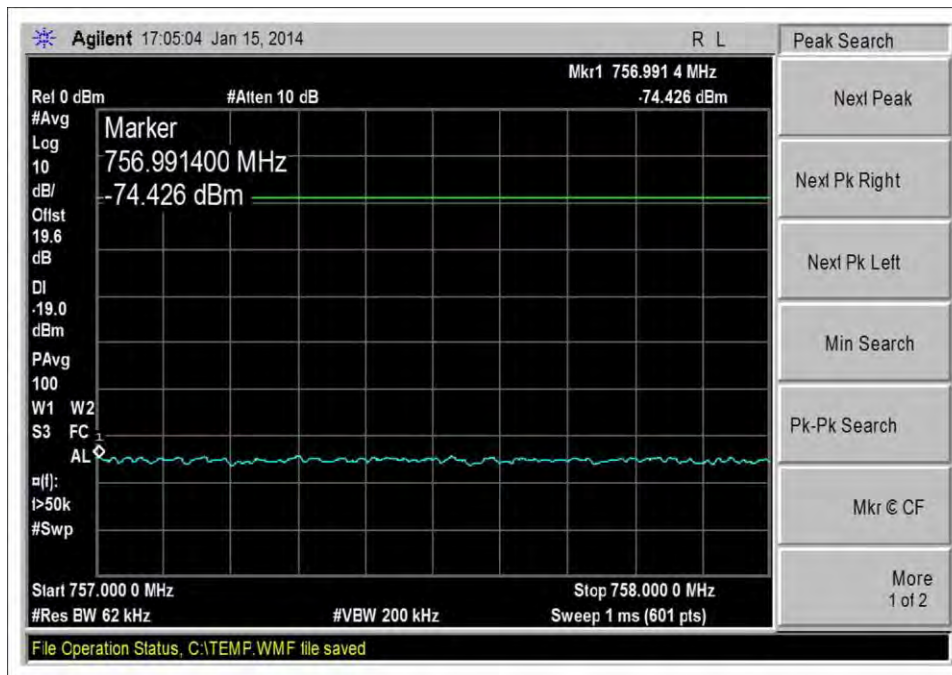
DL_746-757MHz_GSM_H_-63dBm



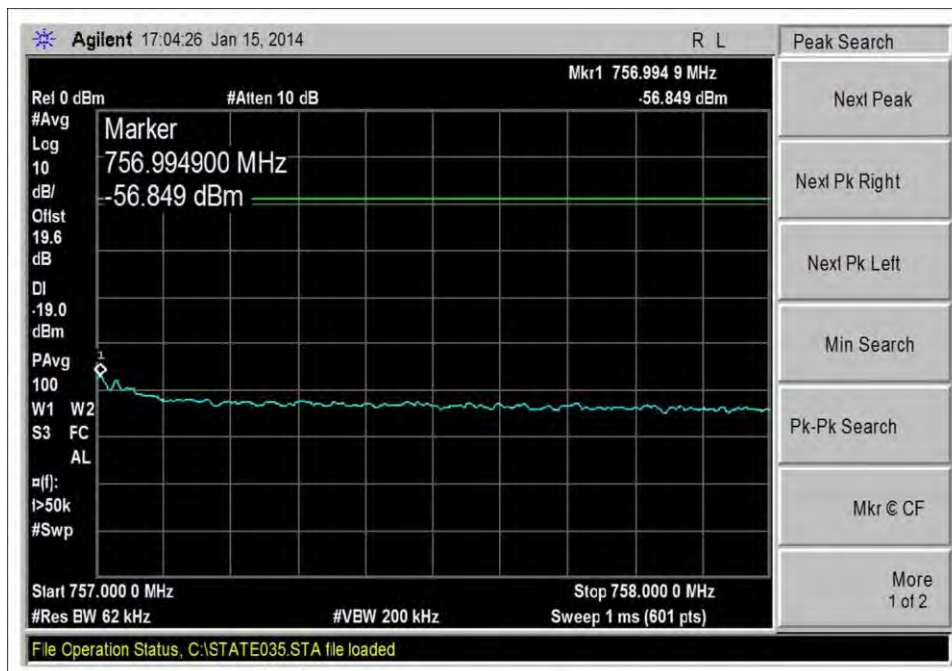
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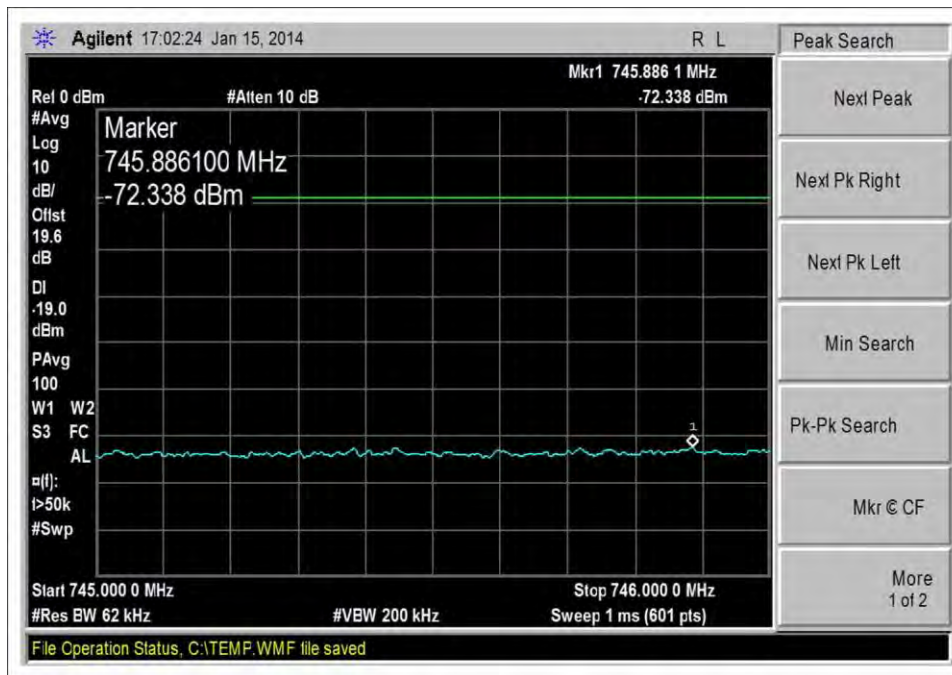
DL_746-757MHz_GSM_L_-67dBm



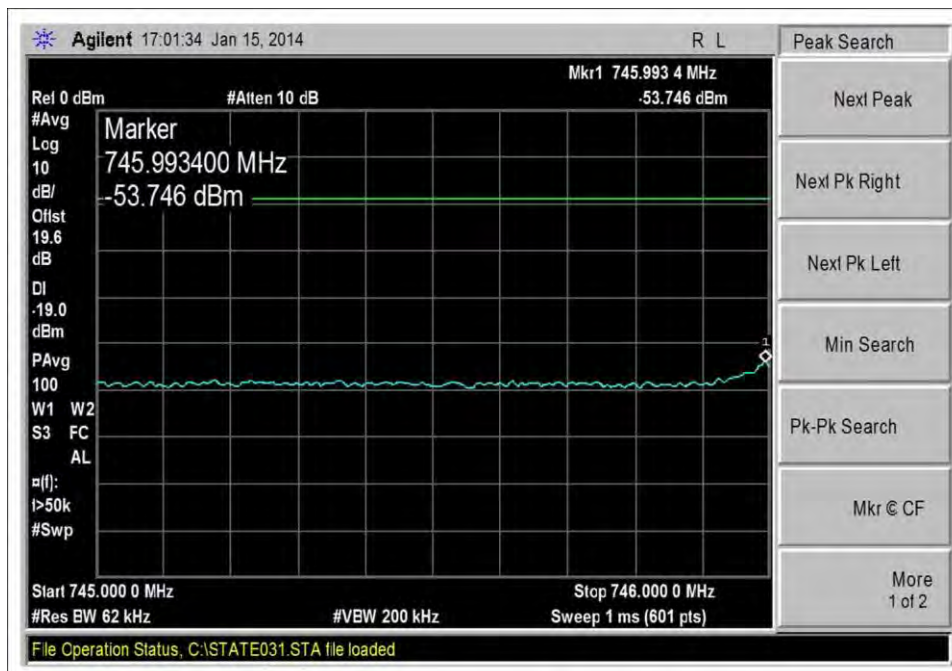
DL_746-757MHz_LTE_H_-20dBm



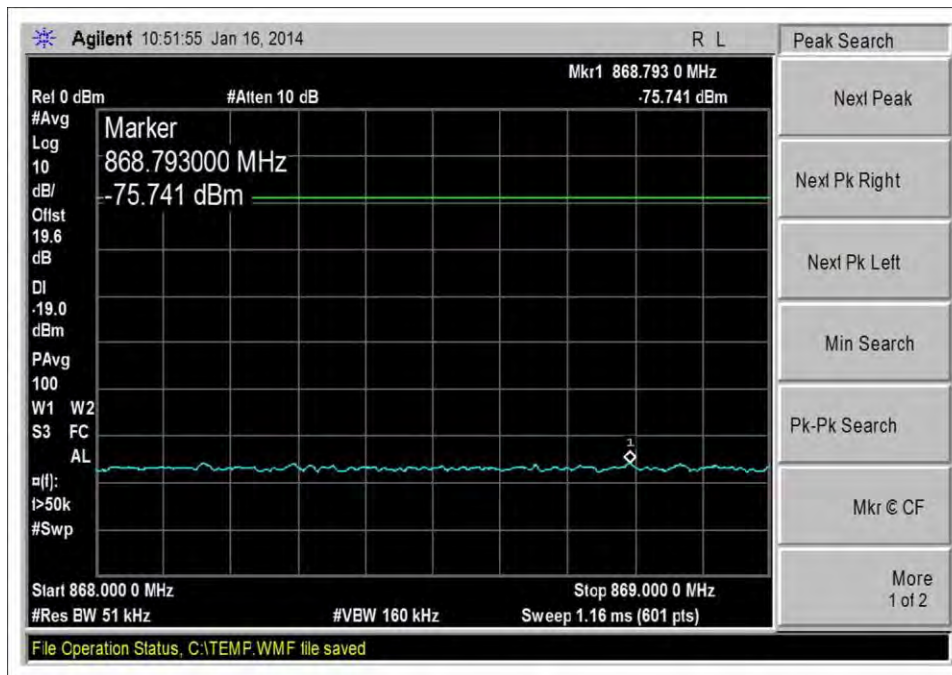
DL_746-757MHz_LTE_H_-65dBm



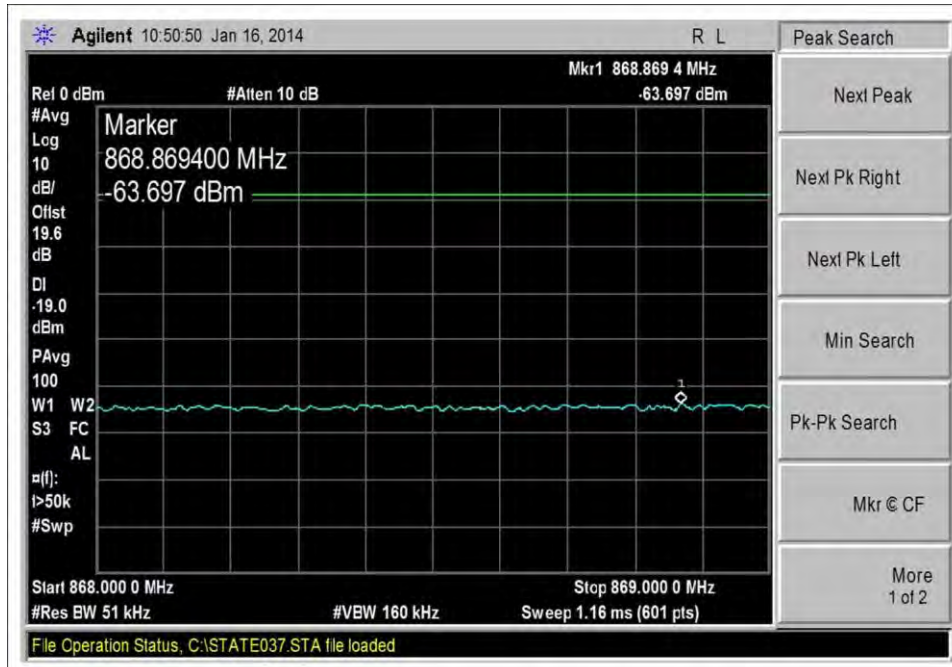
DL_746-757MHz_LTE_L_-20dBm



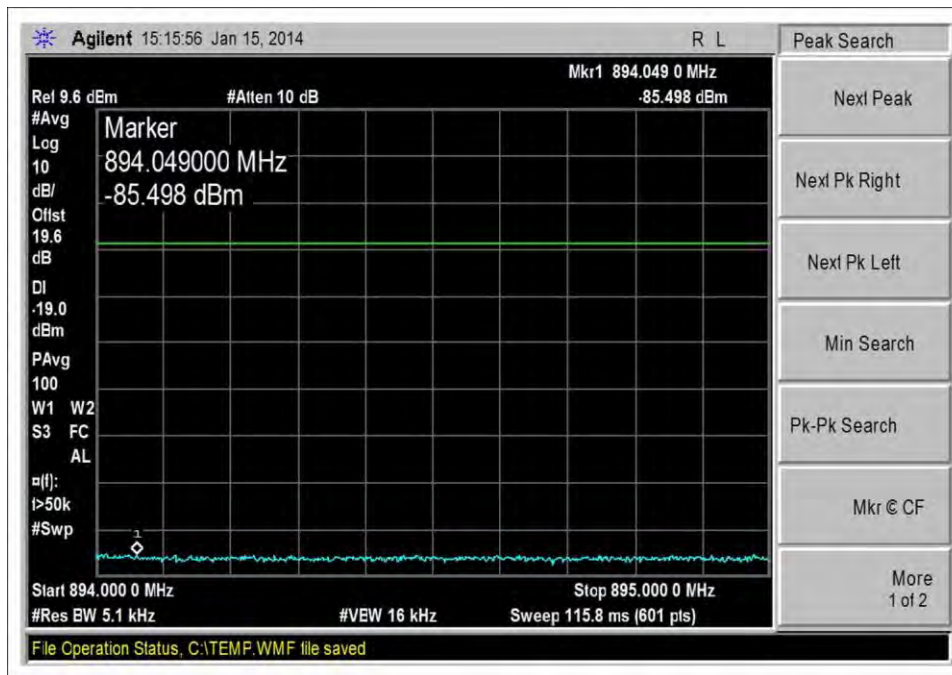
DL_746-757MHz_LTE_L_-65dBm



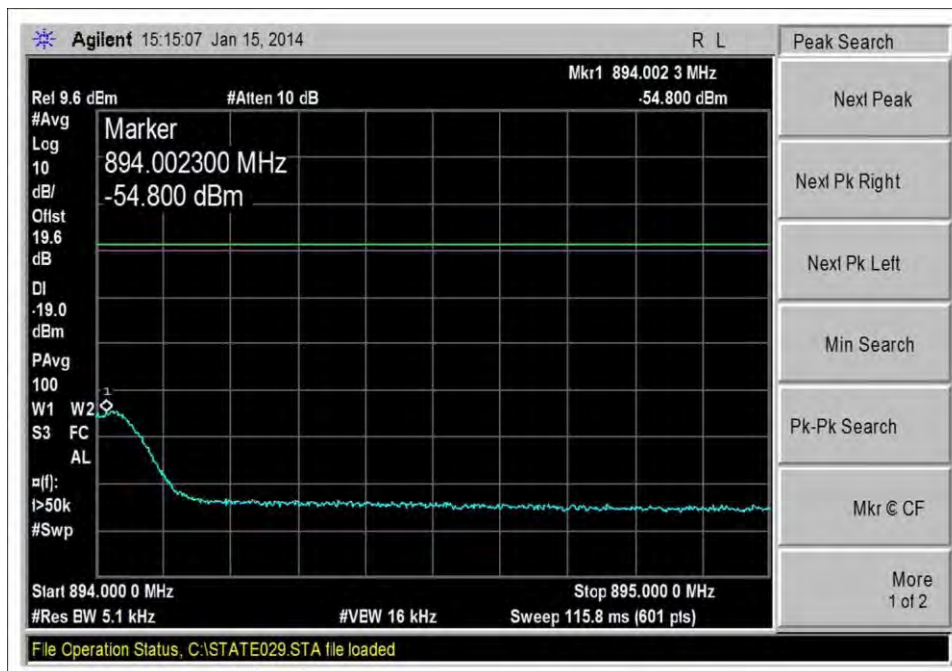
DL_869-880MHz_CDMA_L_-20dBm



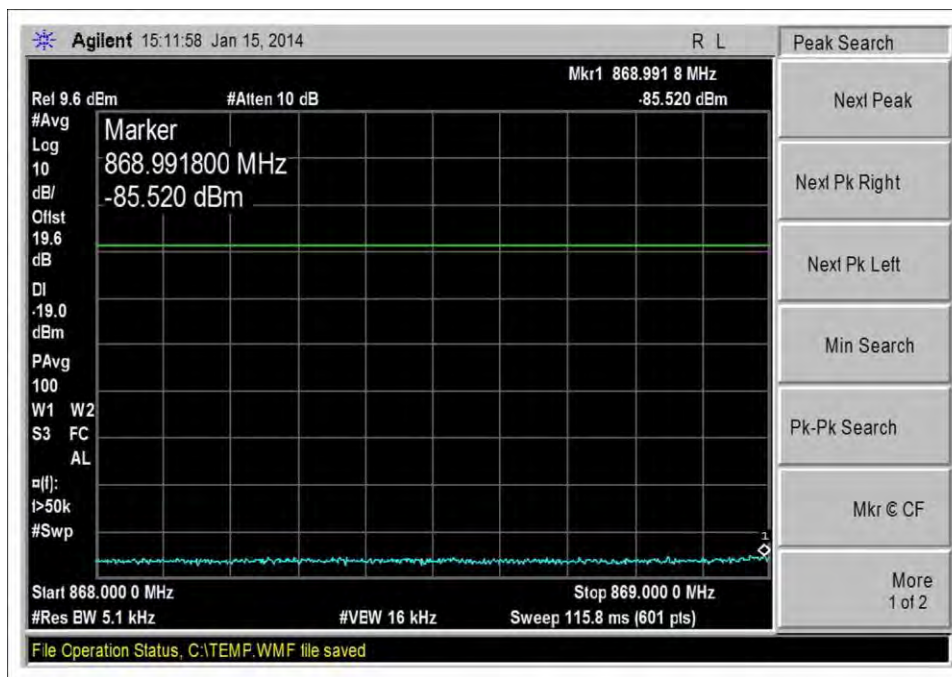
DL_869-880MHz_CDMA_L_-61dBm



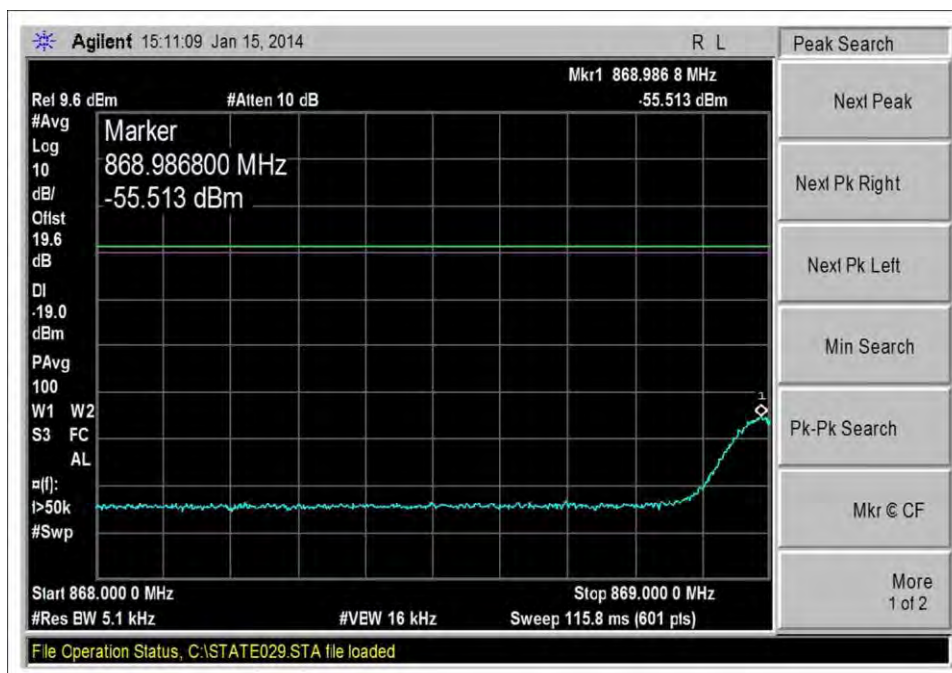
DL_869-894MHz_GSM_H_-20dBm



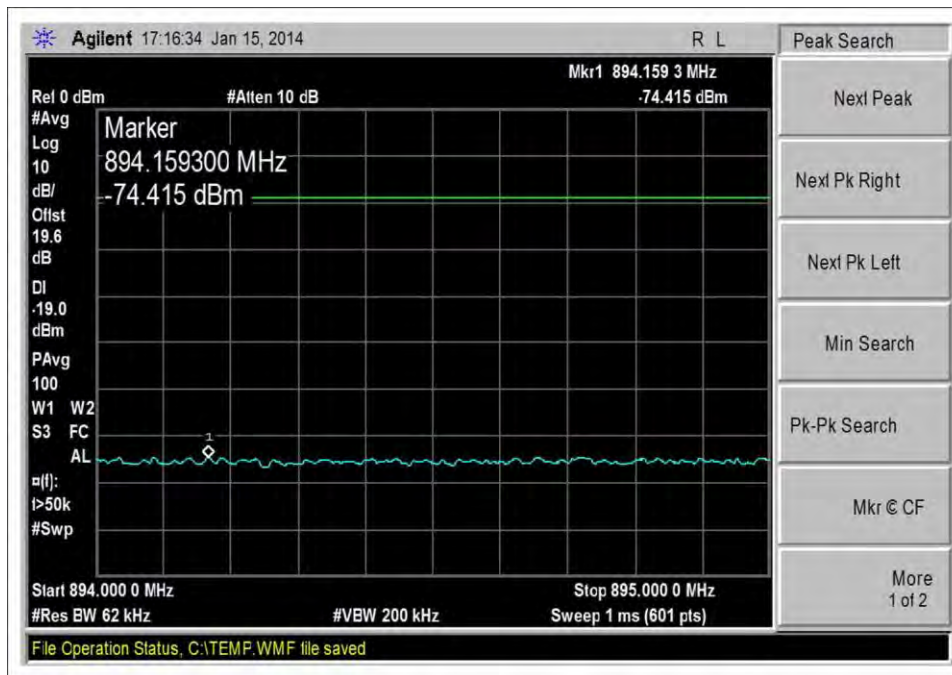
DL_869-894MHz_GSM_H_-60dBm



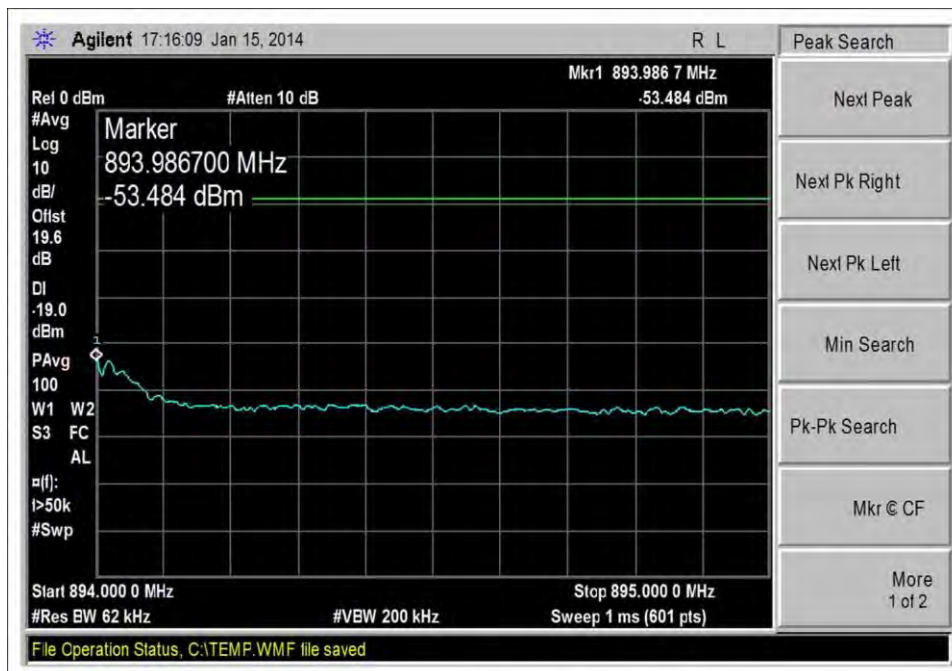
DL_869-894MHz_GSM_L_-20dBm



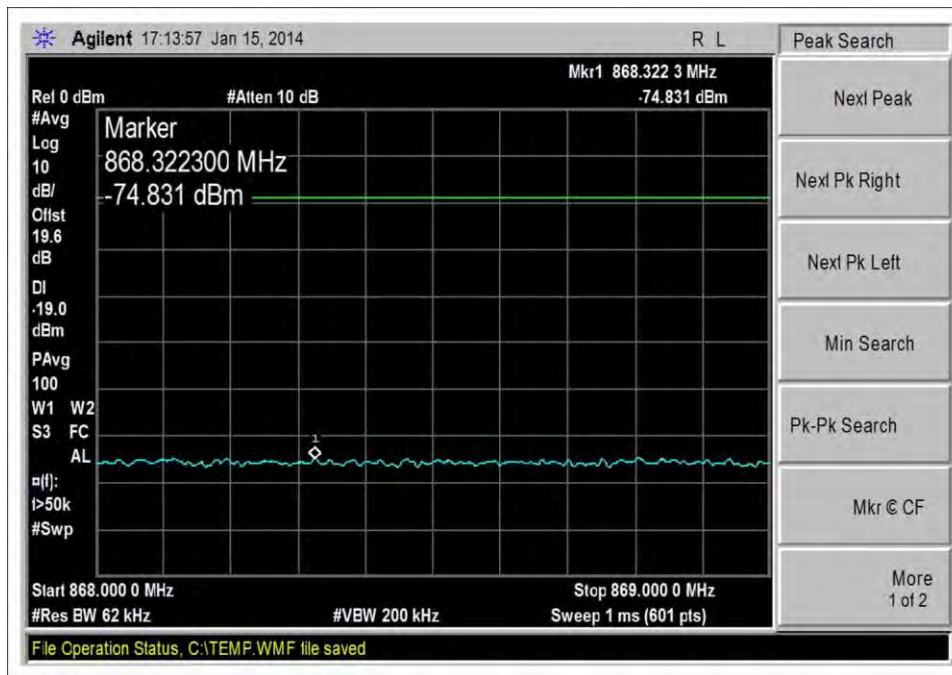
DL_869-894MHz_GSM_L_-61dBm



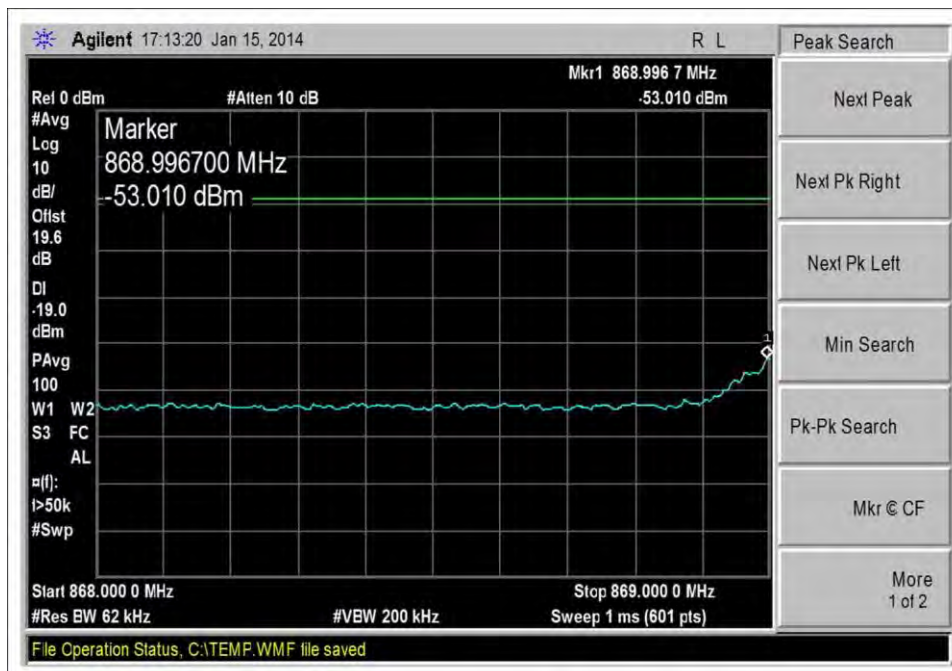
DL_869-894MHz_LTE_H_-20dBm



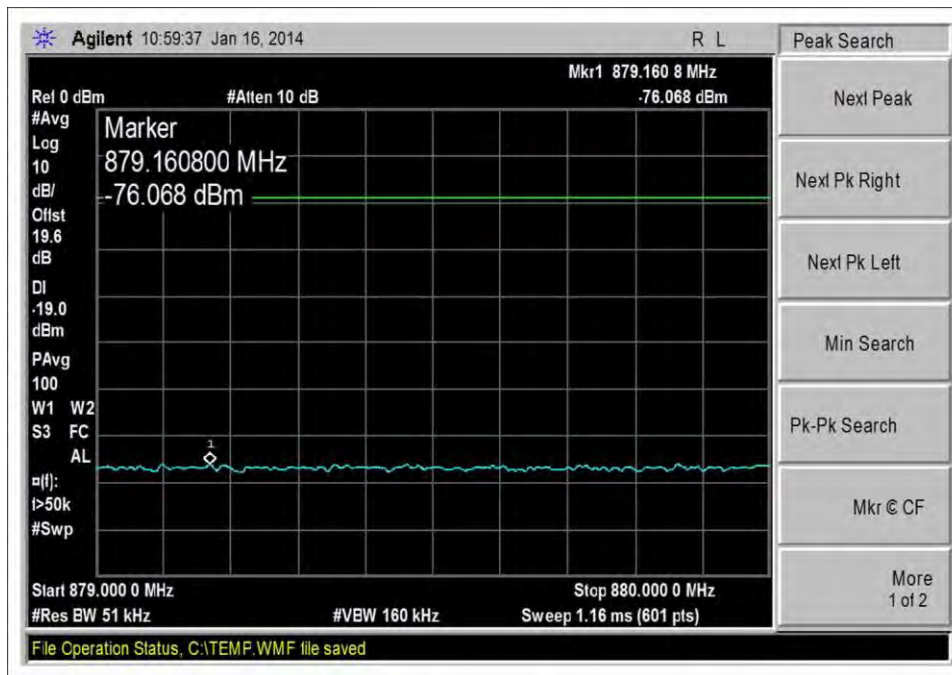
DL_869-894MHz_LTE_H_-61dBm



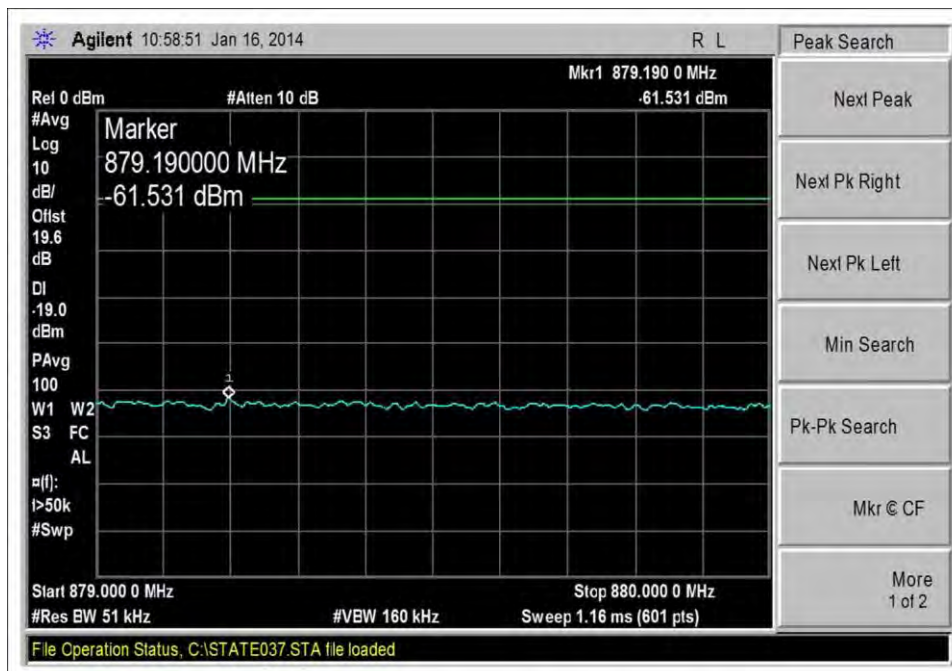
DL_869-894MHz_LTE_L_-20dBm



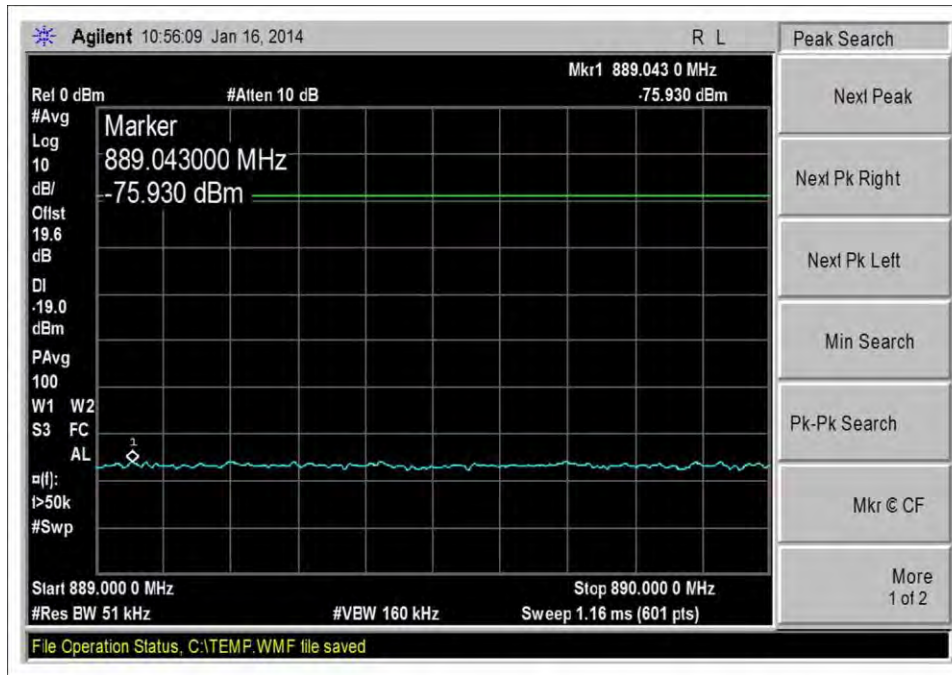
DL_869-894MHz_LTE_L_-60dBm



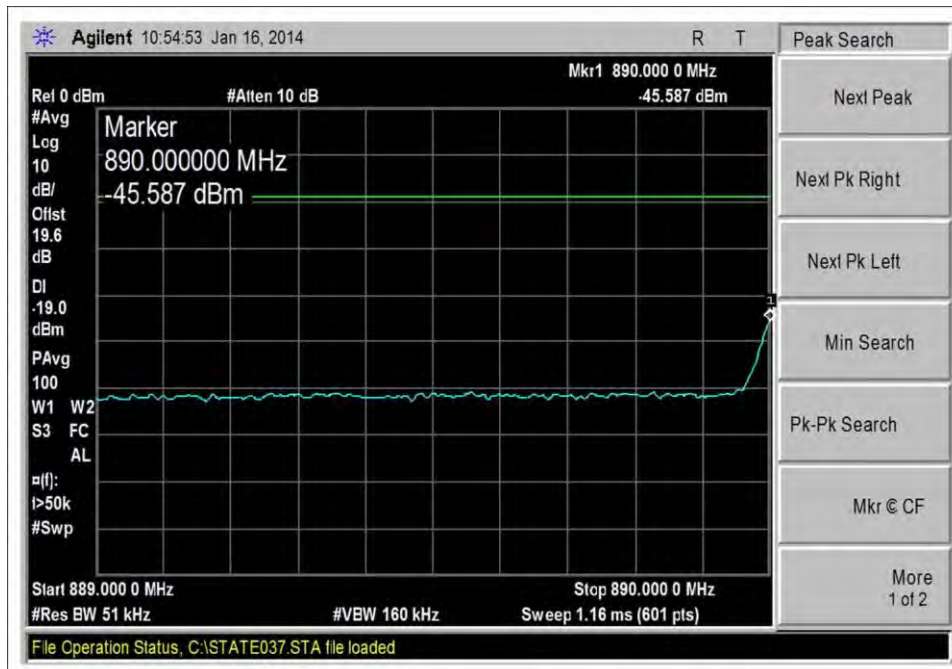
DL_880-890MHz_CDMA_L_-20dBm



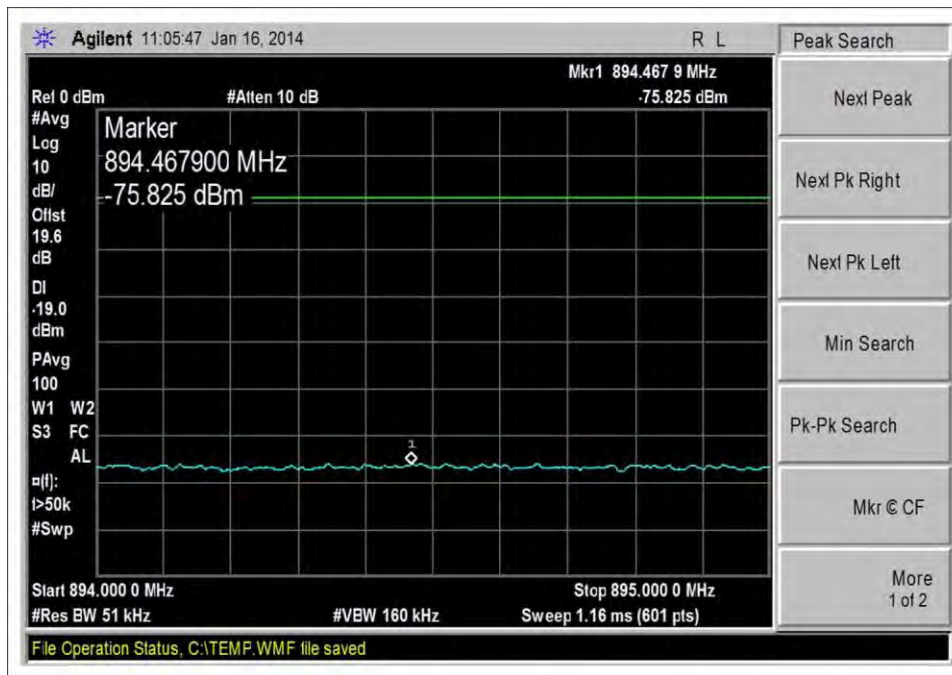
DL_880-890MHz_CDMA_L_-63dBm



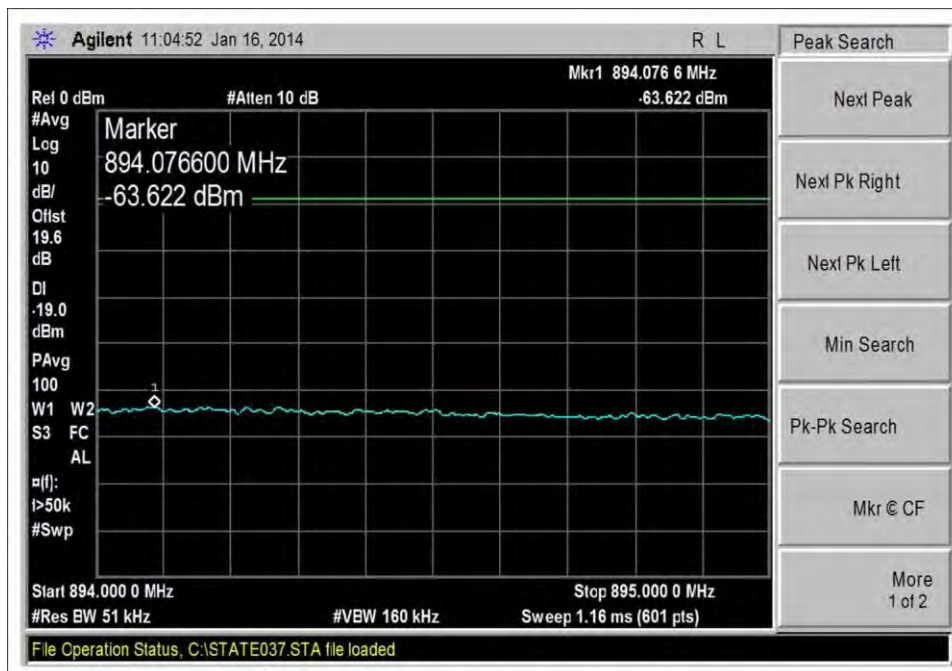
DL_890-891.5MHz_CDMA_L_-20dBm



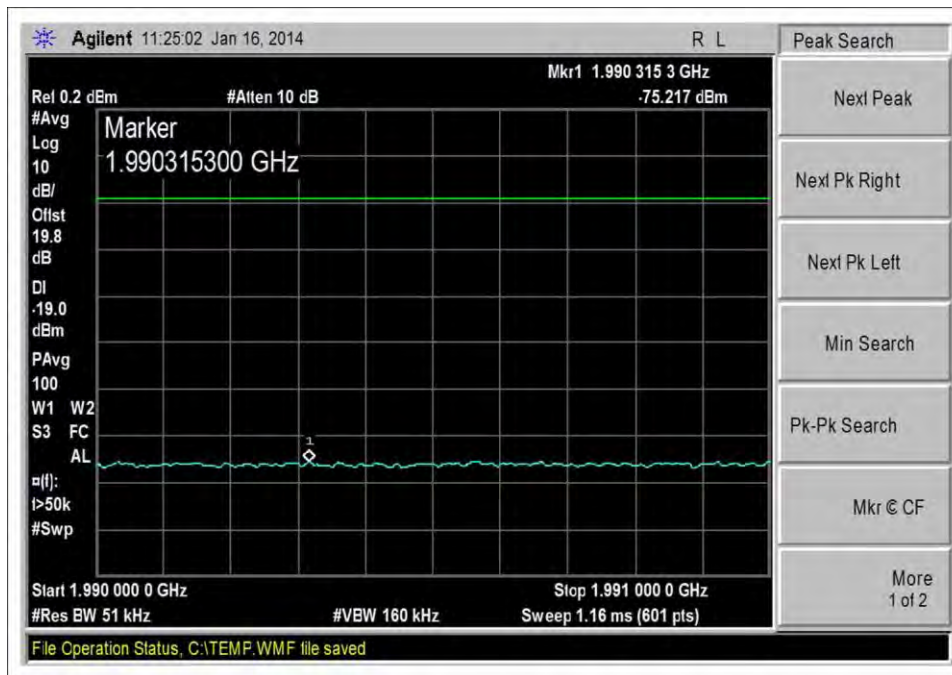
DL_890-891.5MHz_CDMA_L_-62dBm



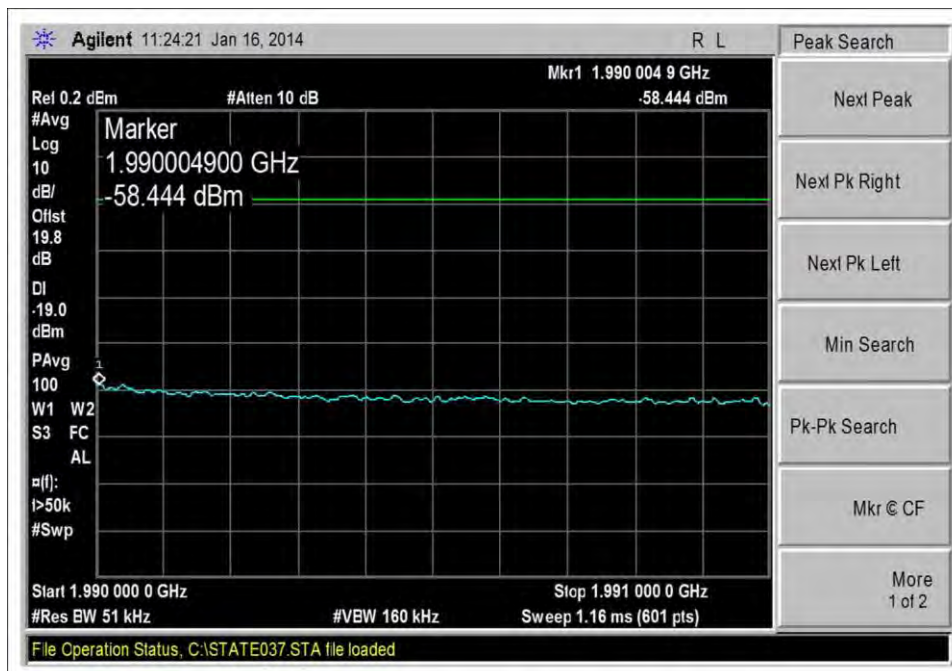
DL_891.5-894MHz_CDMA_L_-20dBm



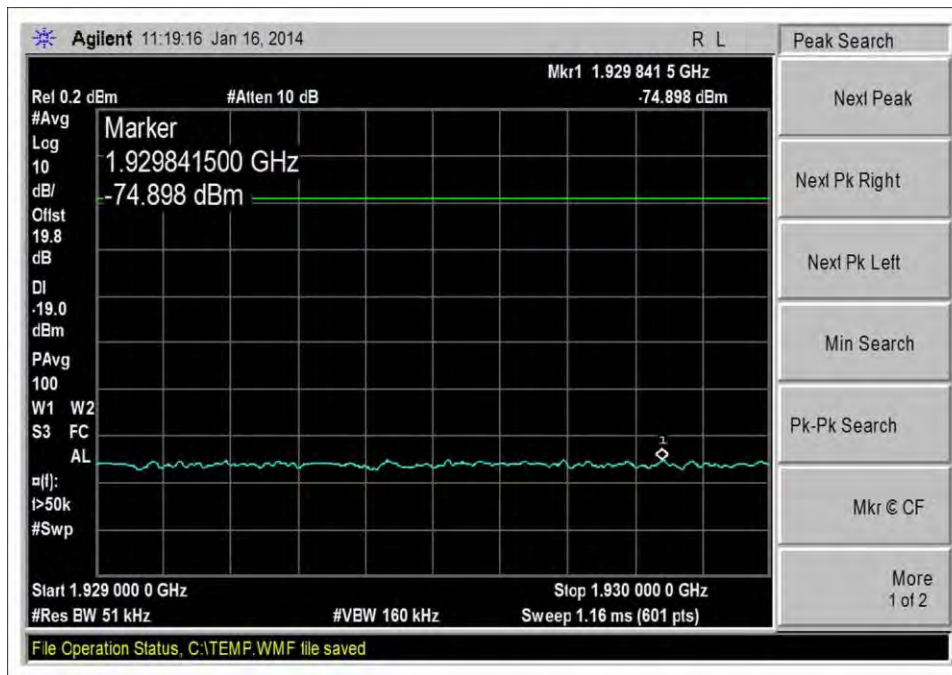
DL_891.5-894MHz_CDMA_L_-61dBm



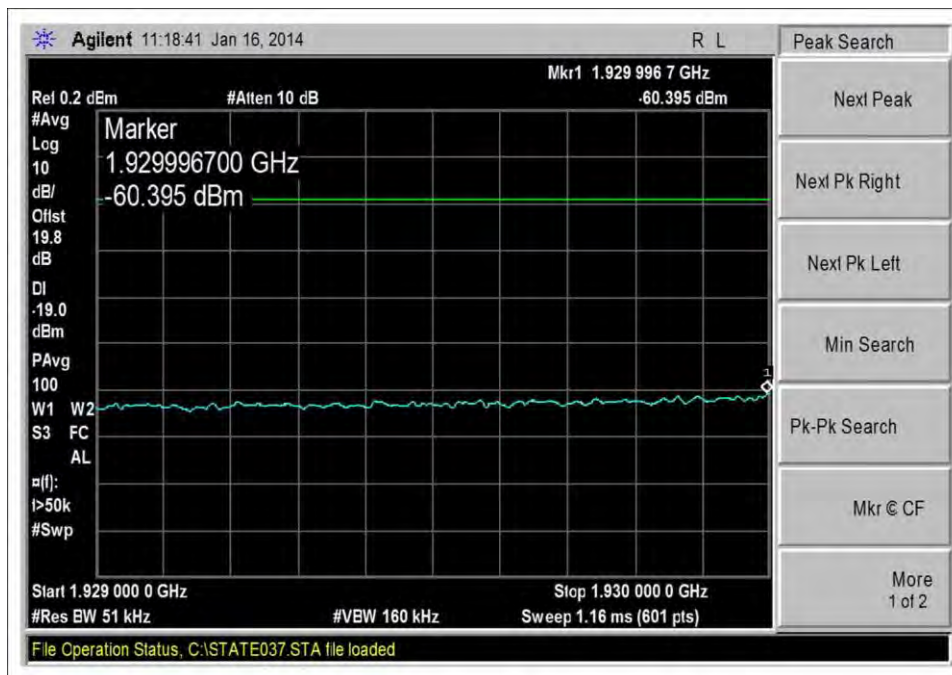
DL_1930-1990MHz_CDMA_H_-20dBm



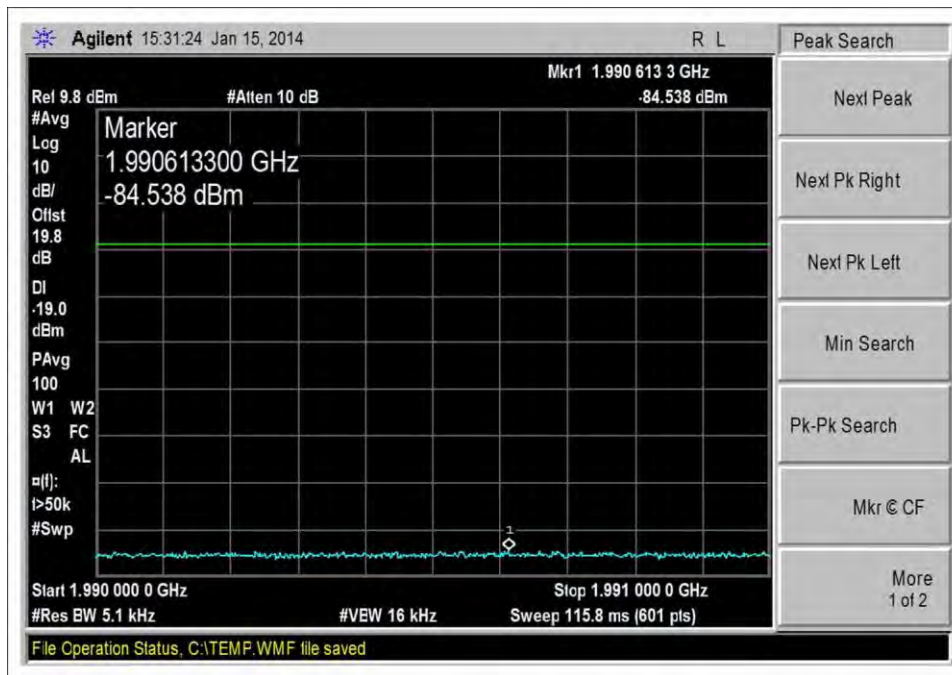
DL_1930-1990MHz_CDMA_H_-57dBm



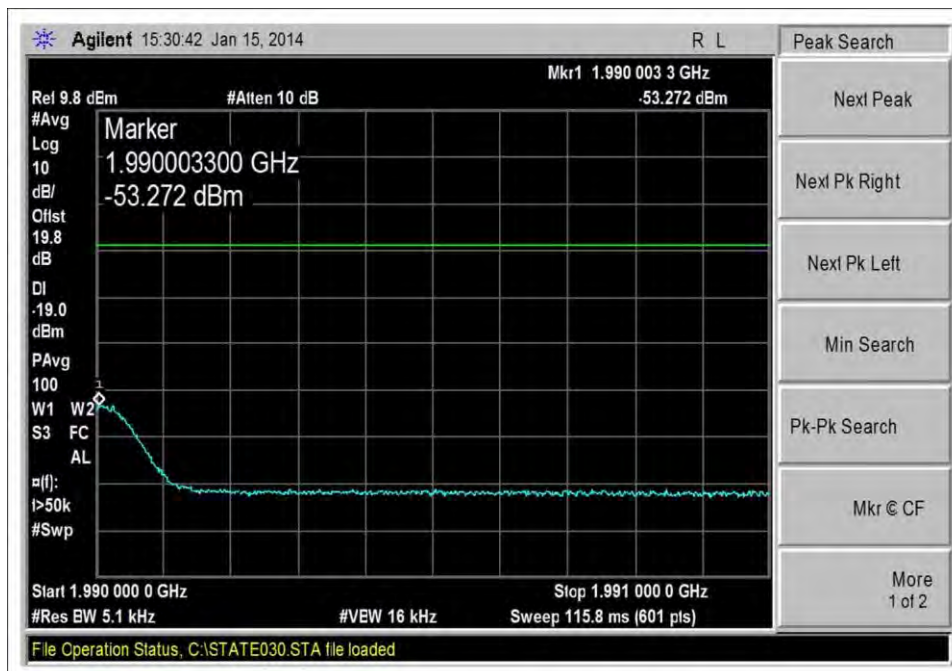
DL_1930-1990MHz_CDMA_L_-20dBm



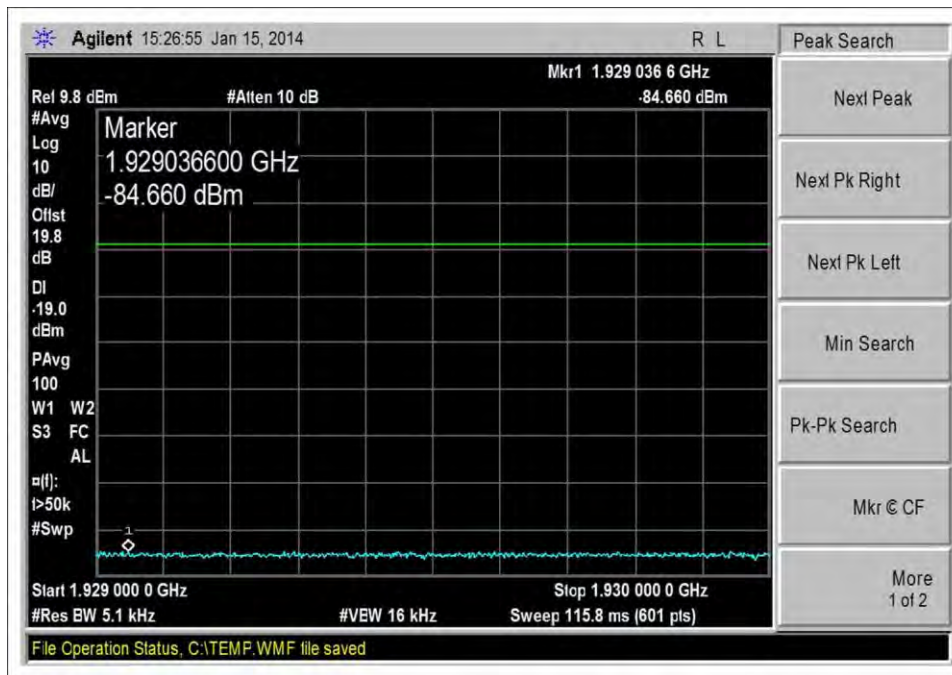
DL_1930-1990MHz_CDMA_L_-60dBm



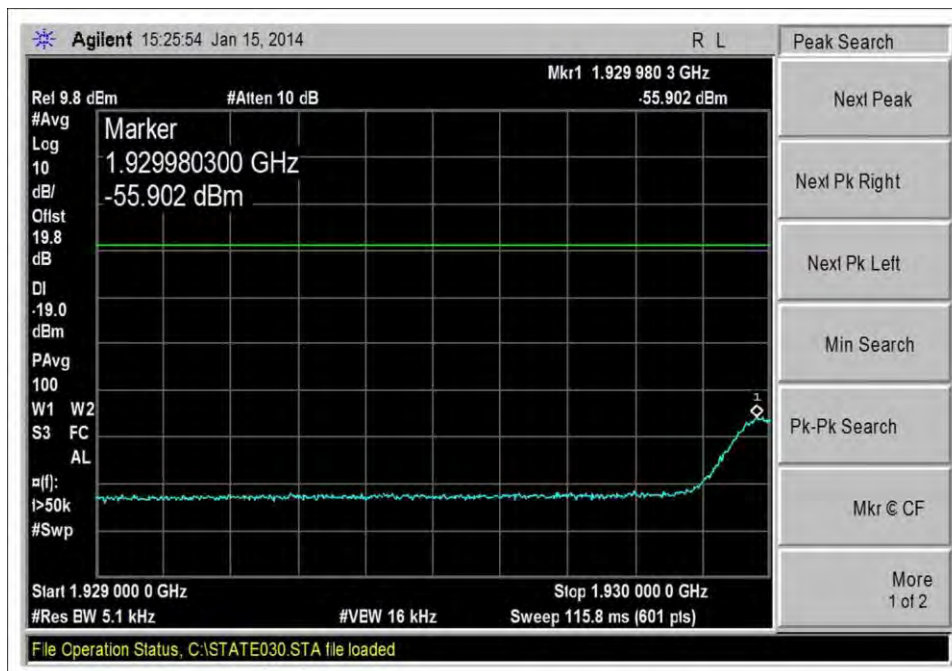
DL_1930-1990MHz_GSM_H_-20dBm



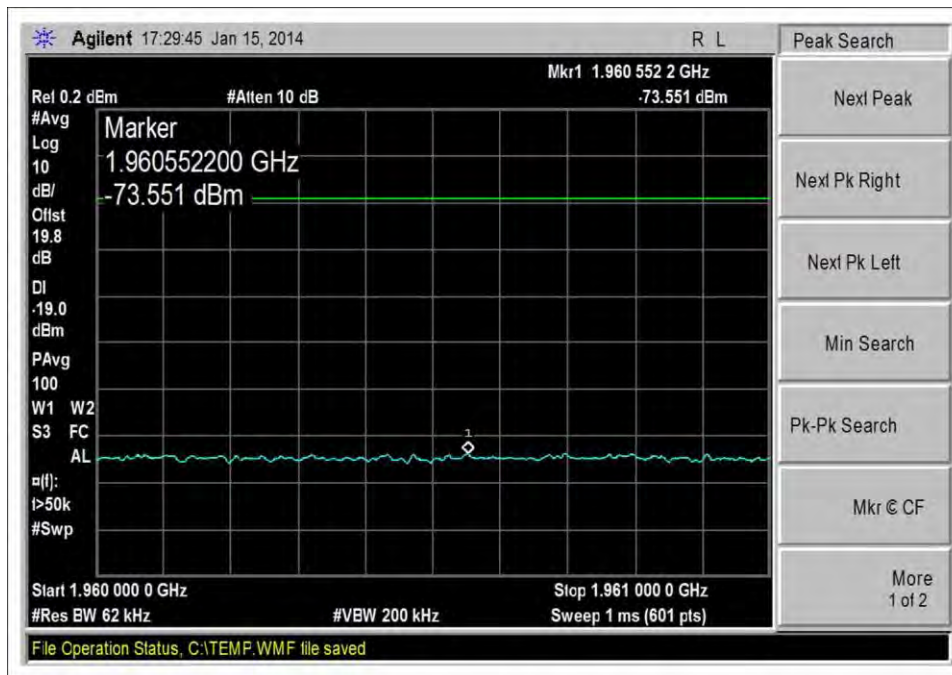
DL_1930-1990MHz_GSM_H_-58dBm



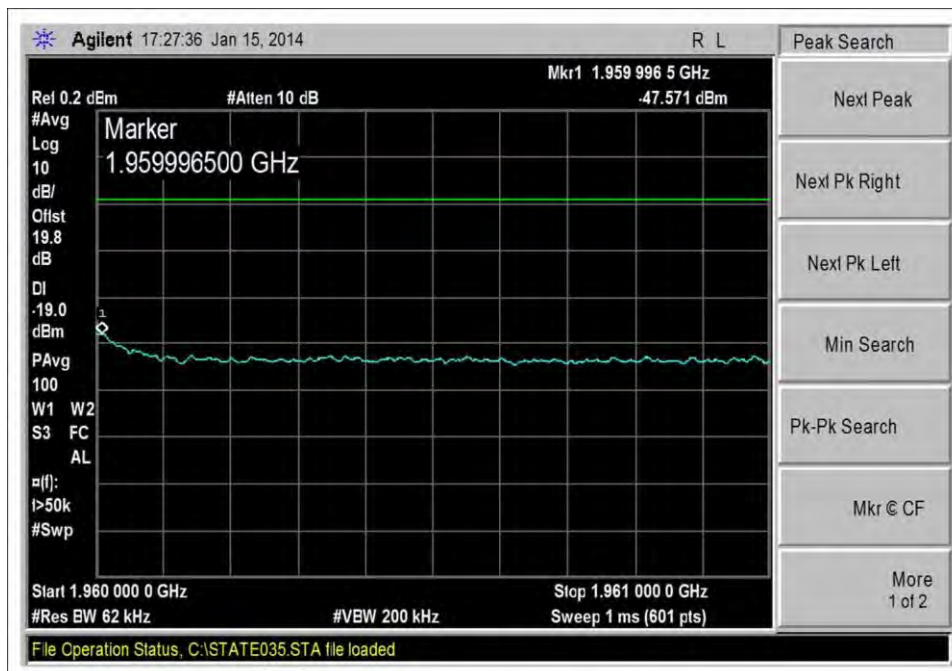
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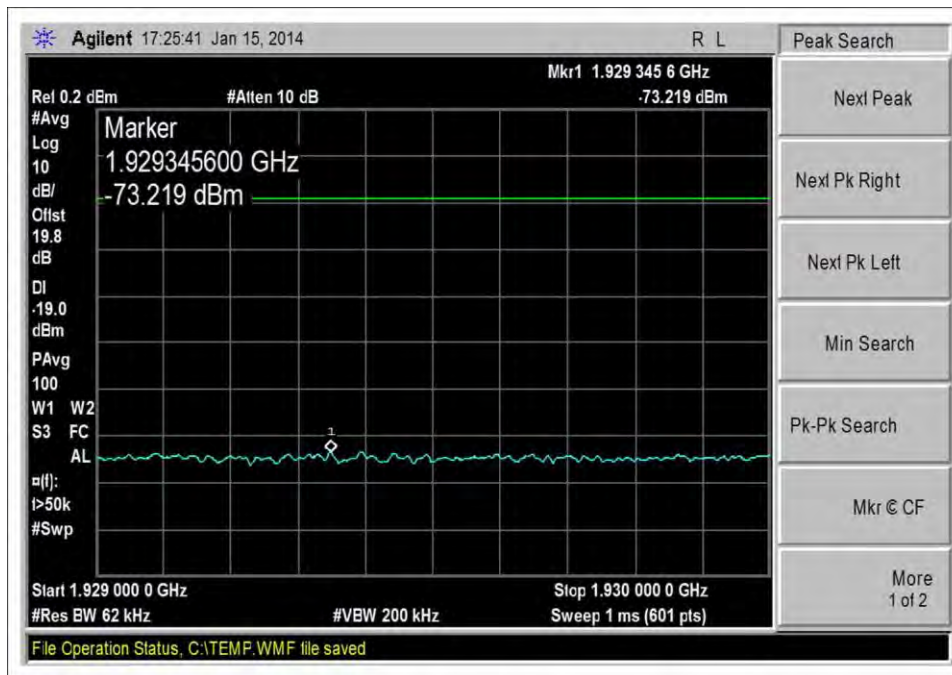
DL_1930-1990MHz_GSM_L_-60dBm



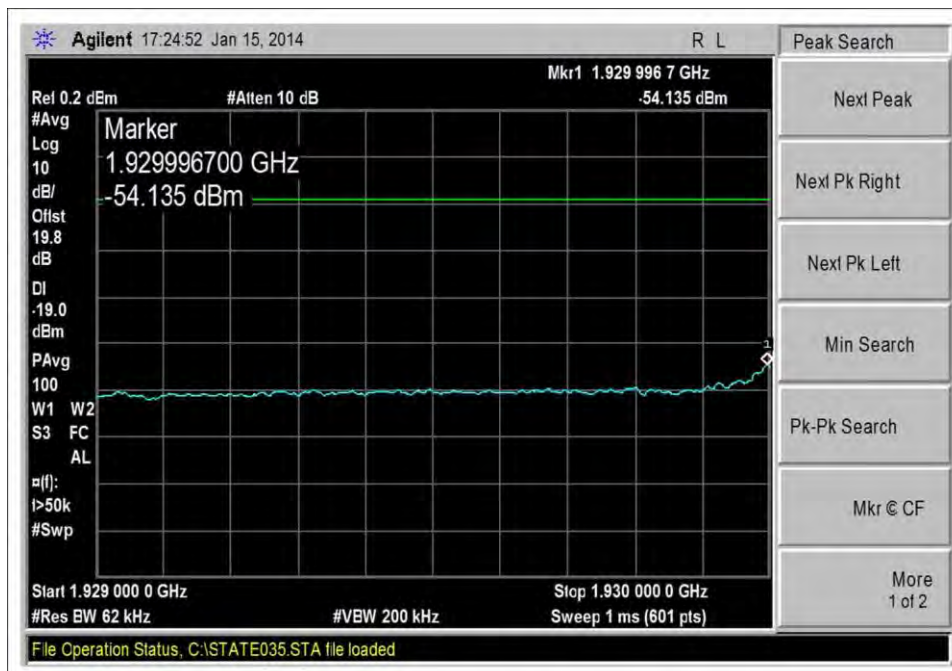
DL_1930-1990MHz_LTE_H_-20dBm



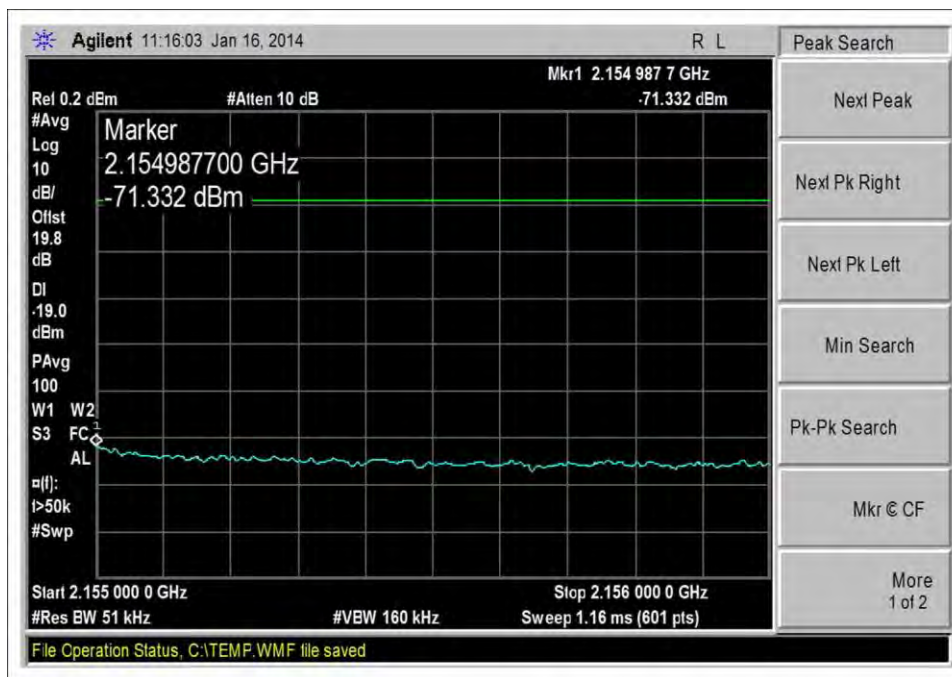
DL_1930-1990MHz_LTE_H_-64dBm



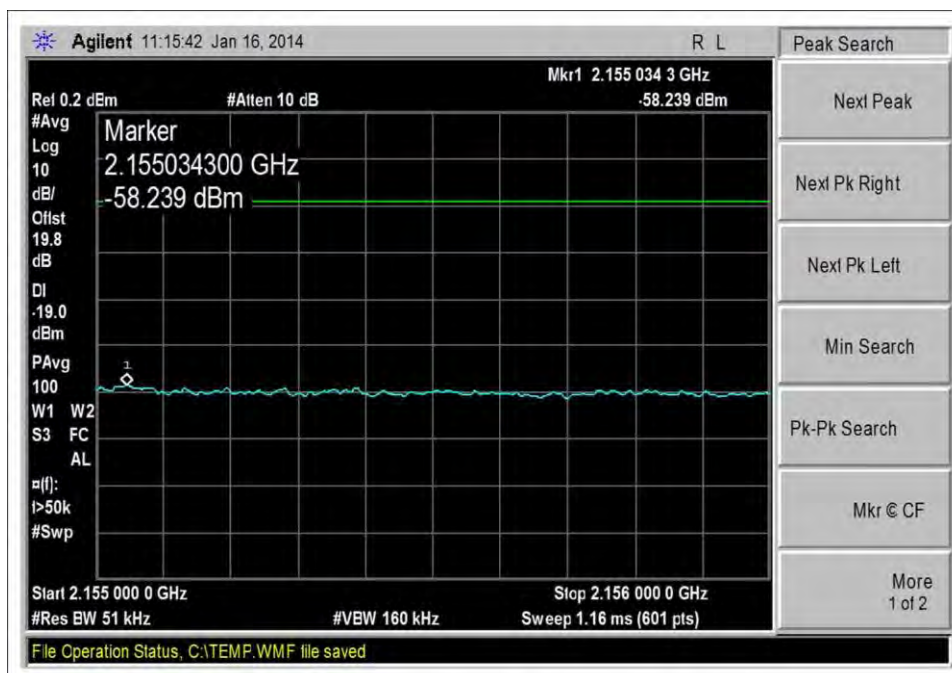
DL_1930-1990MHz_LTE_L_-20dBm



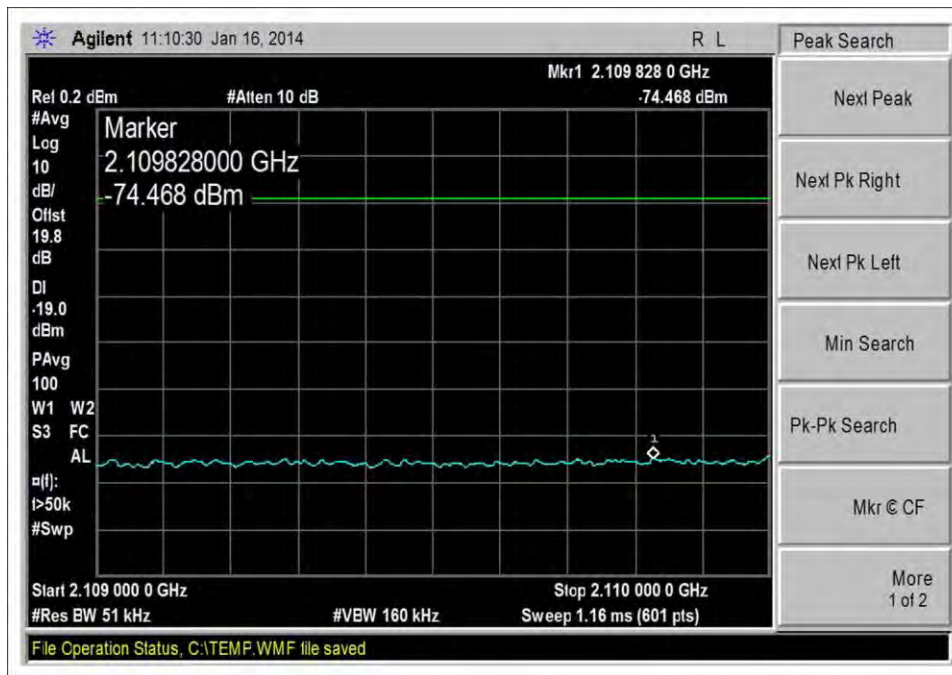
DL_1930-1990MHz_LTE_L_-60dBm



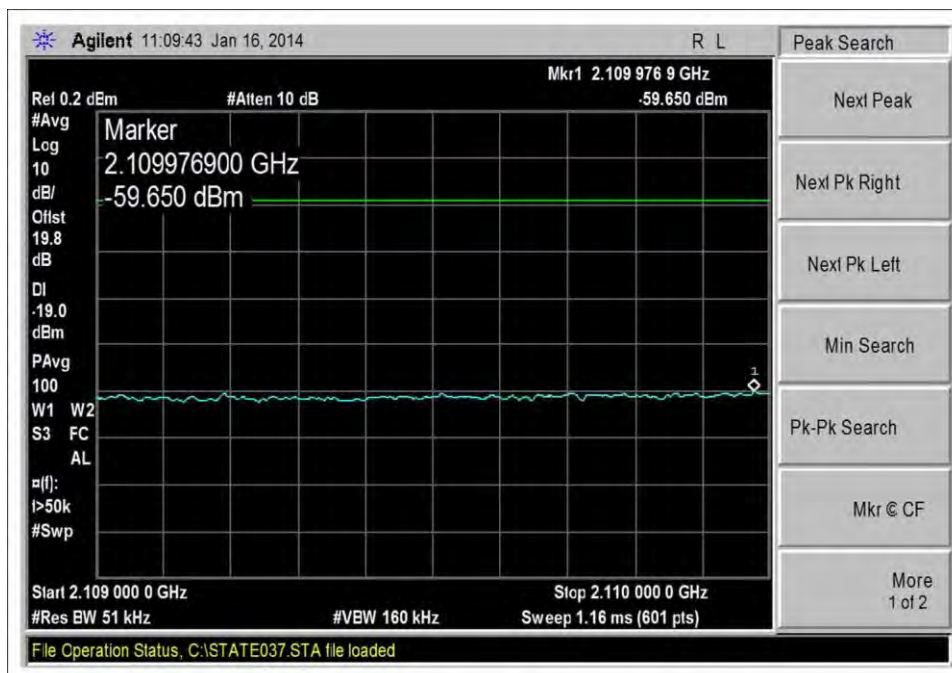
DL_2110-2155MHz_CDMA_H_-20dBm



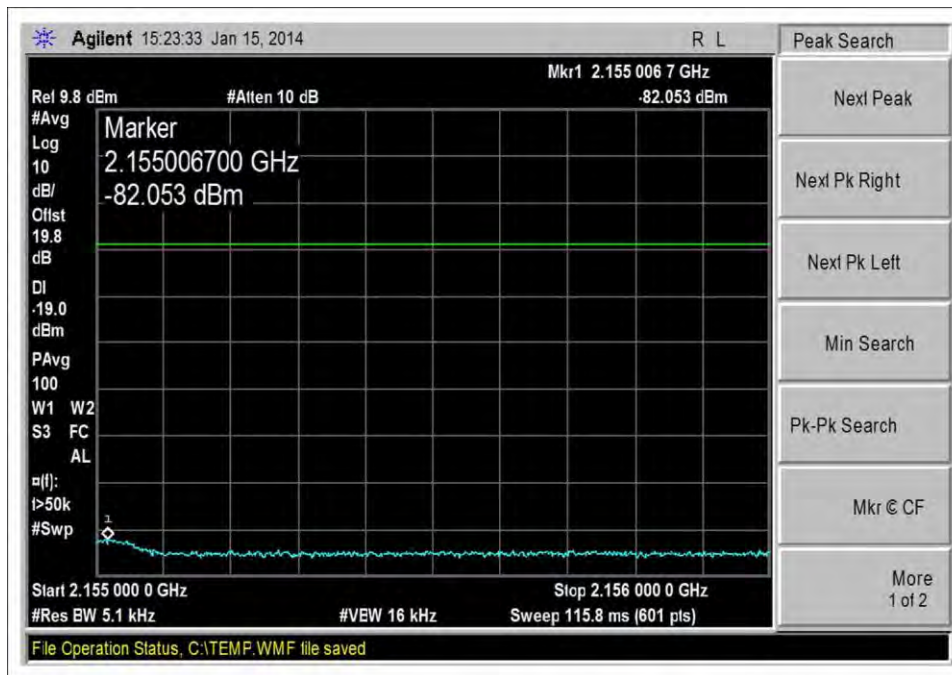
DL_2110-2155MHz_CDMA_H_-62dBm



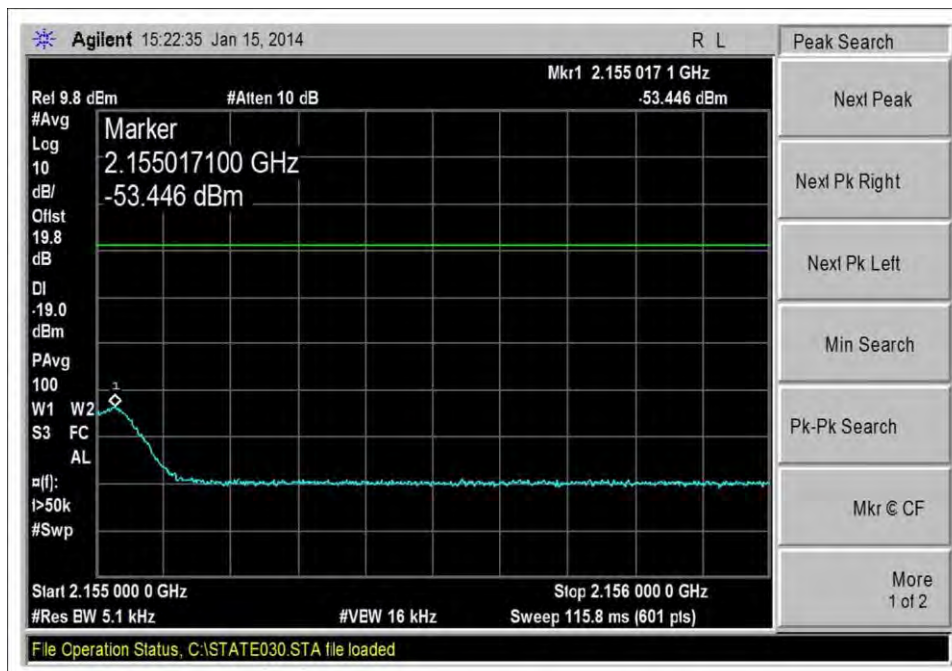
DL_2110-2155MHz_CDMA_L_-20dBm



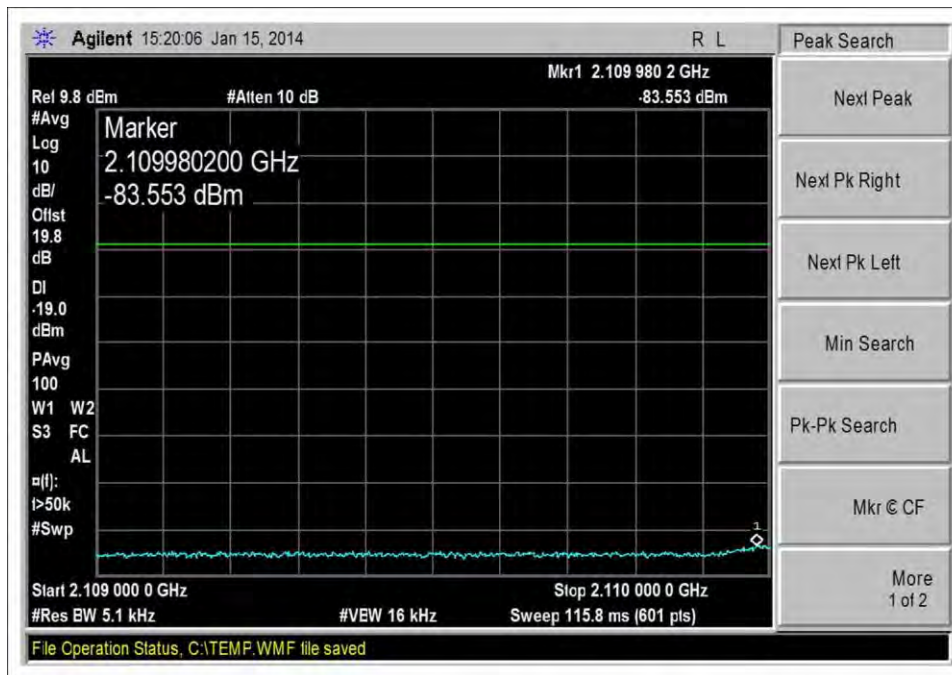
DL_2110-2155MHz_CDMA_L_-62dBm



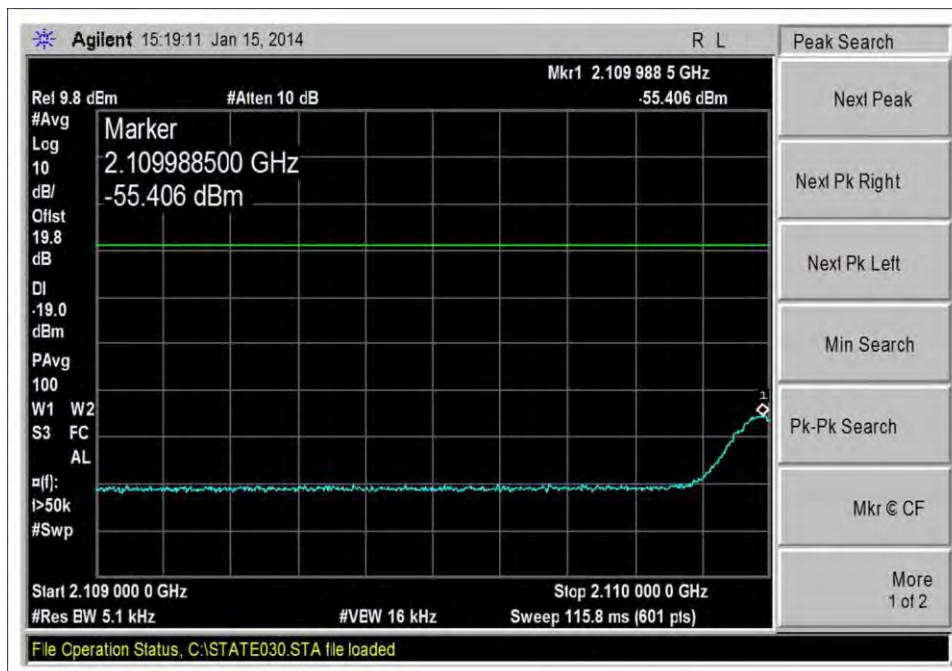
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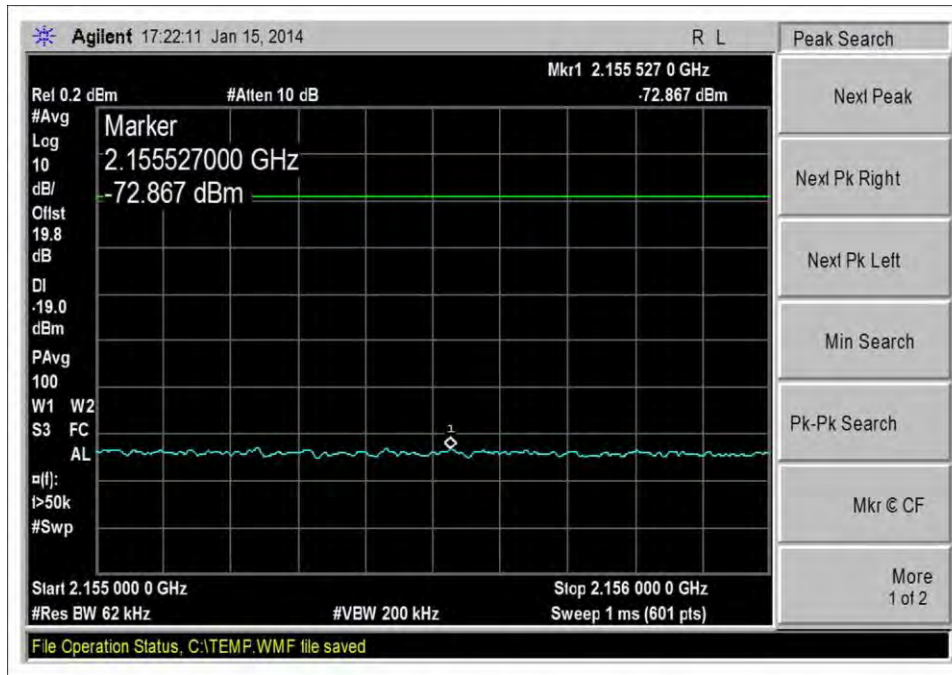
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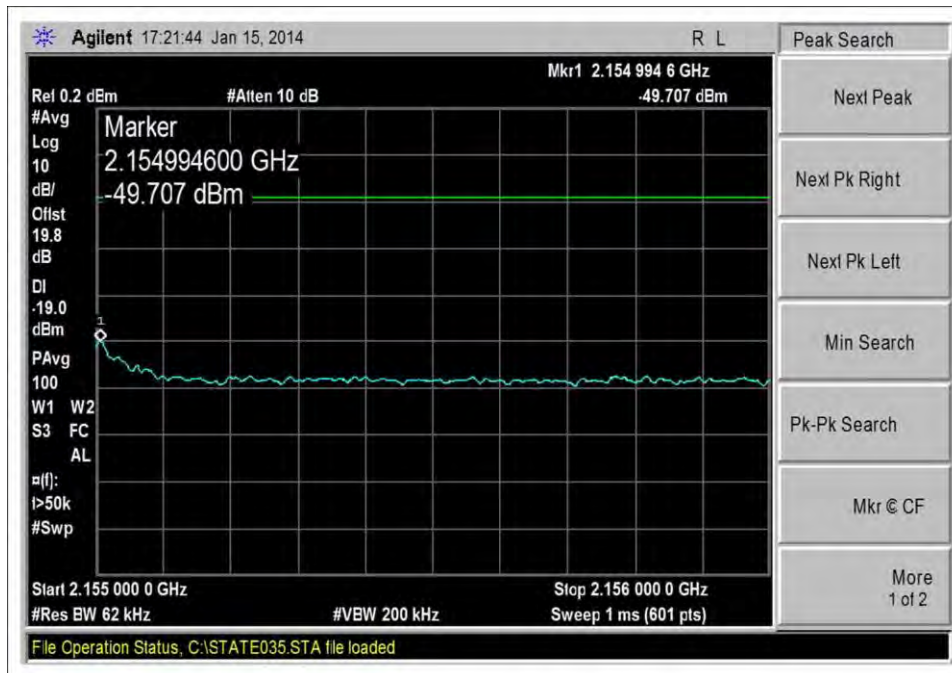
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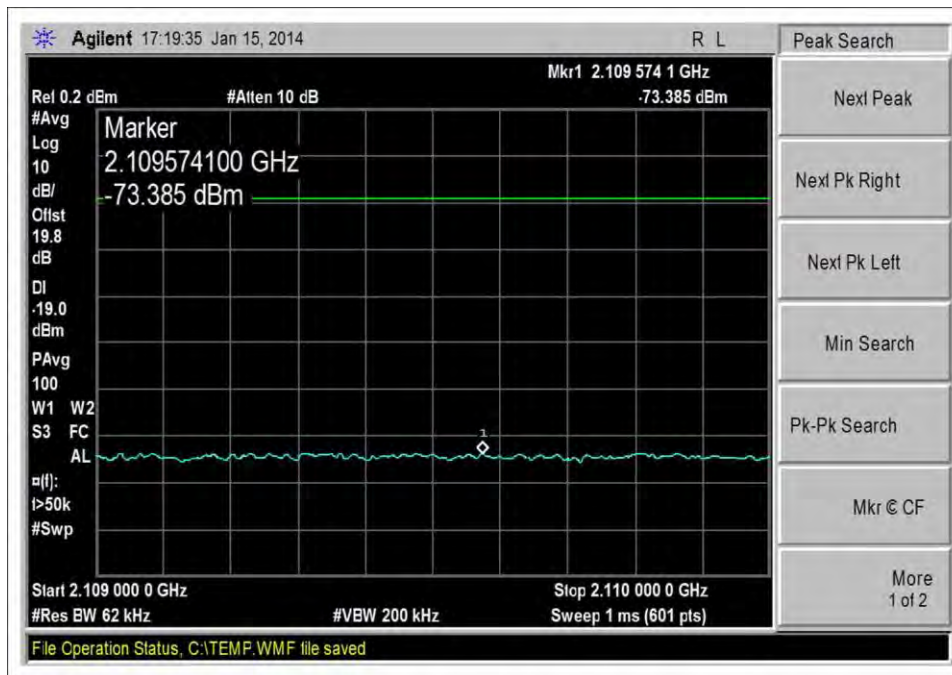
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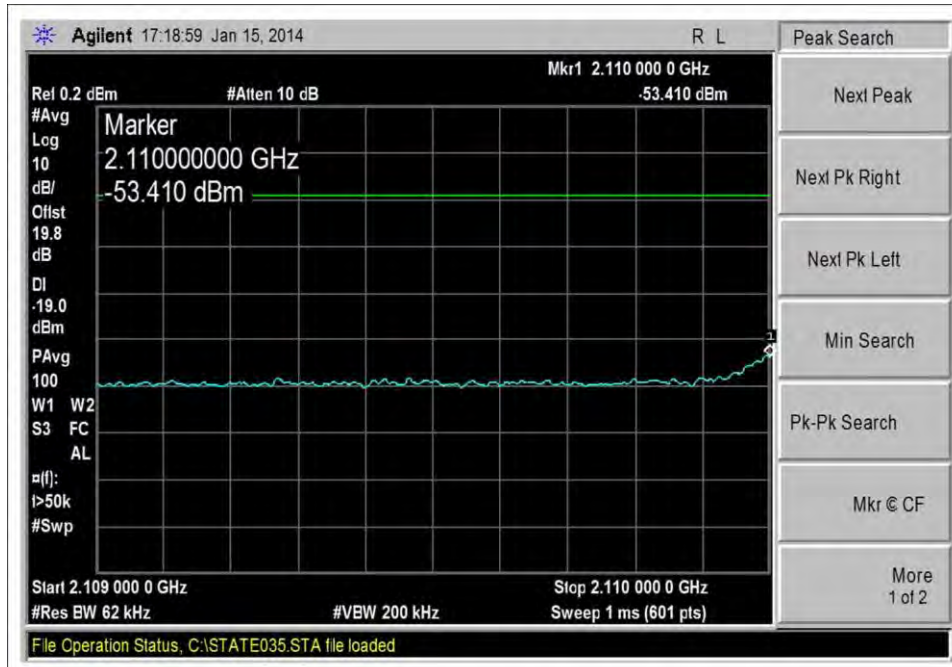
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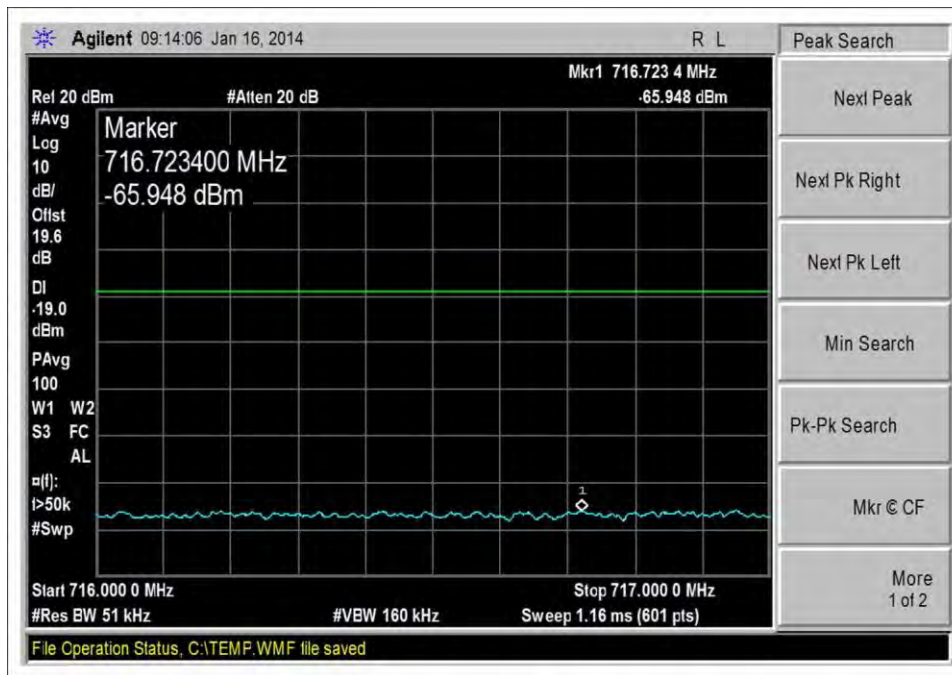
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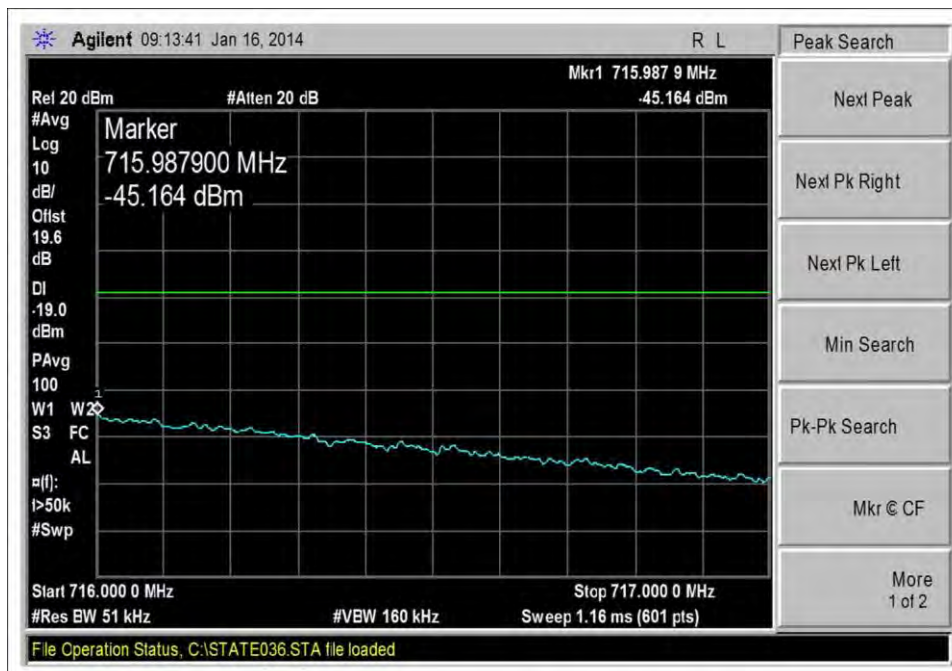
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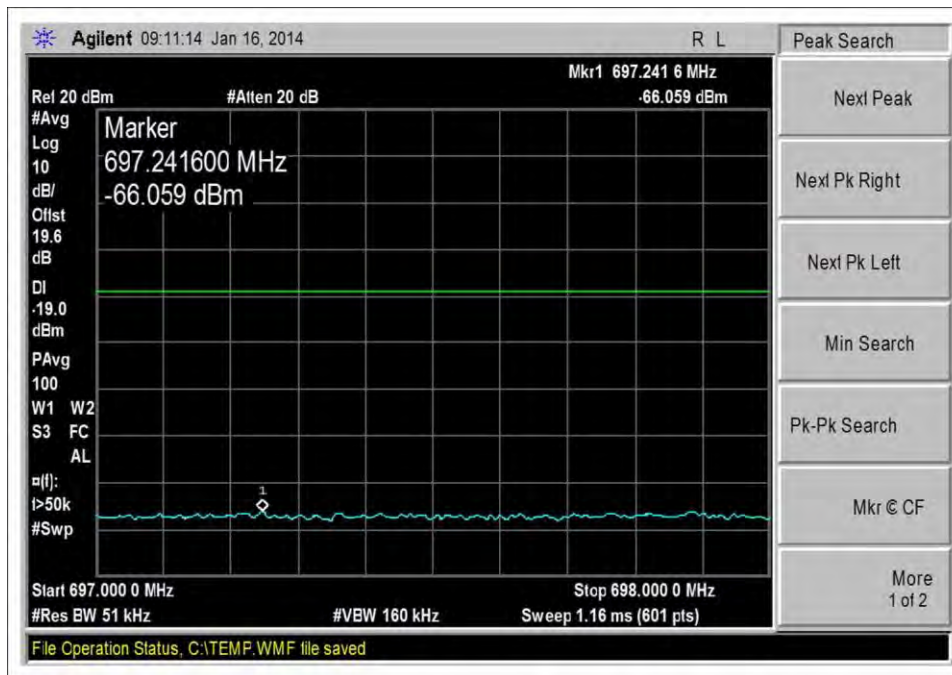
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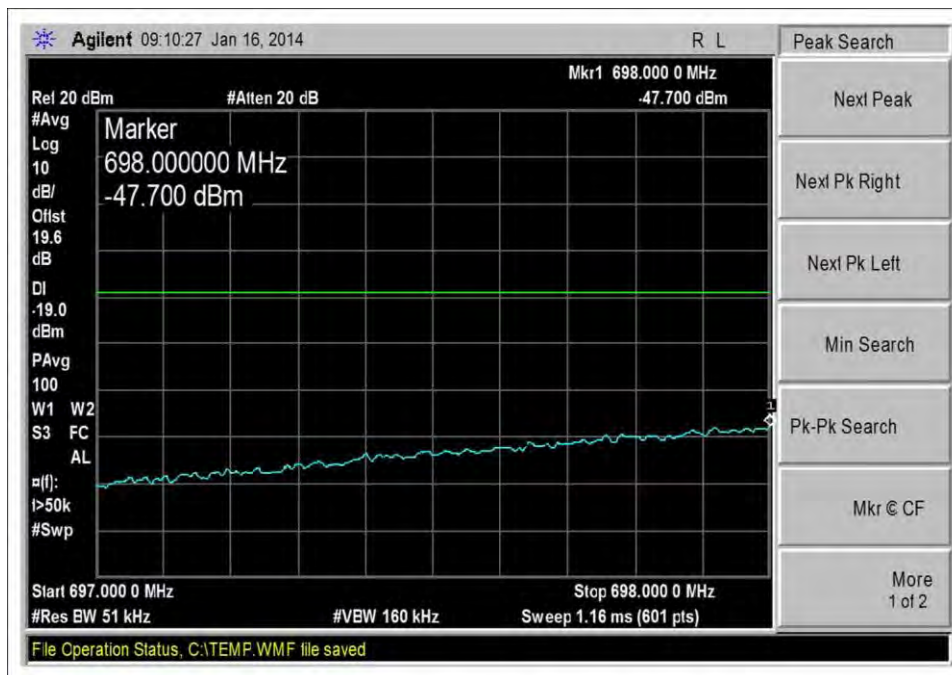
UL_698-716MHz_CDMA_H_0dBm



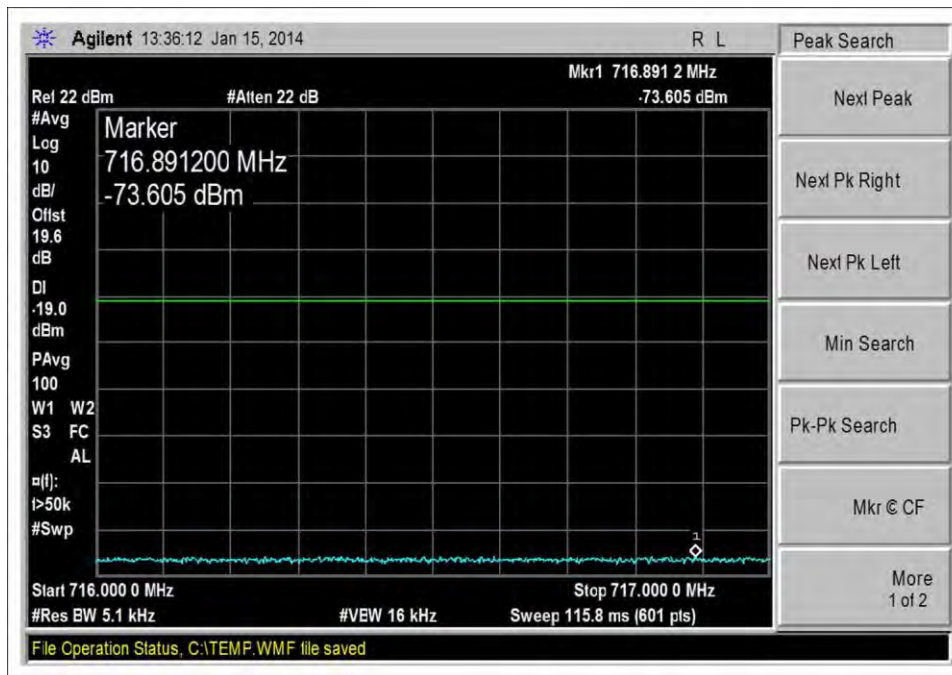
UL_698-716MHz_CDMA_H_-40dBm



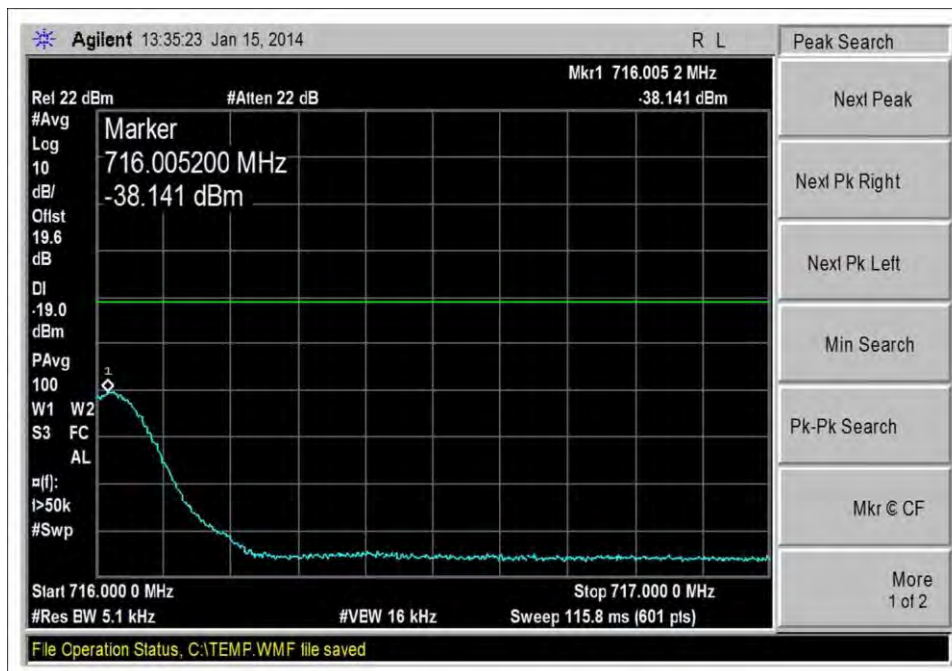
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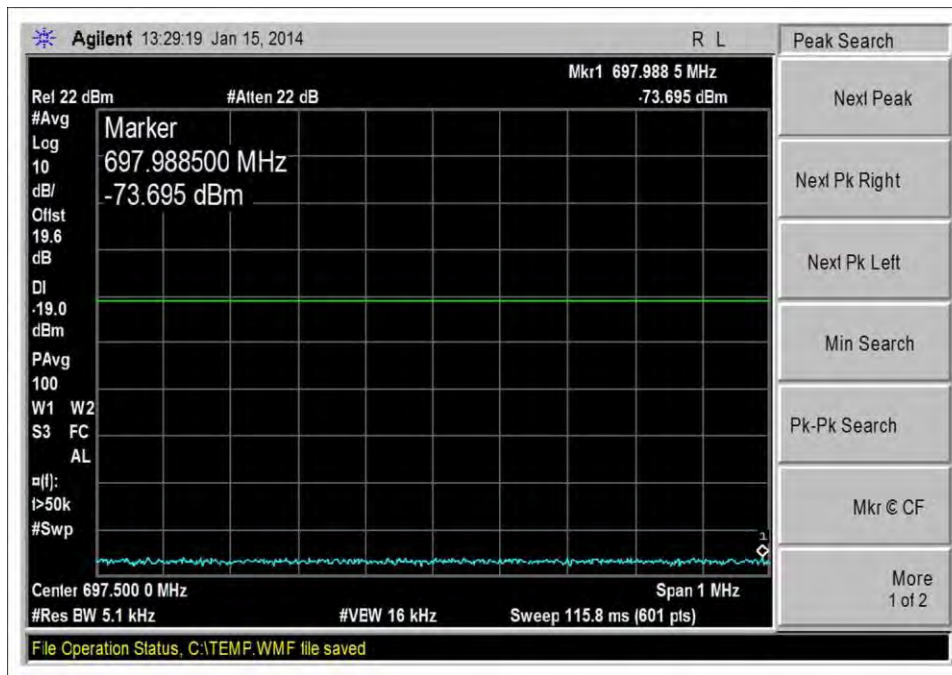
UL_698-716MHz_CDMA_L_-42dBm



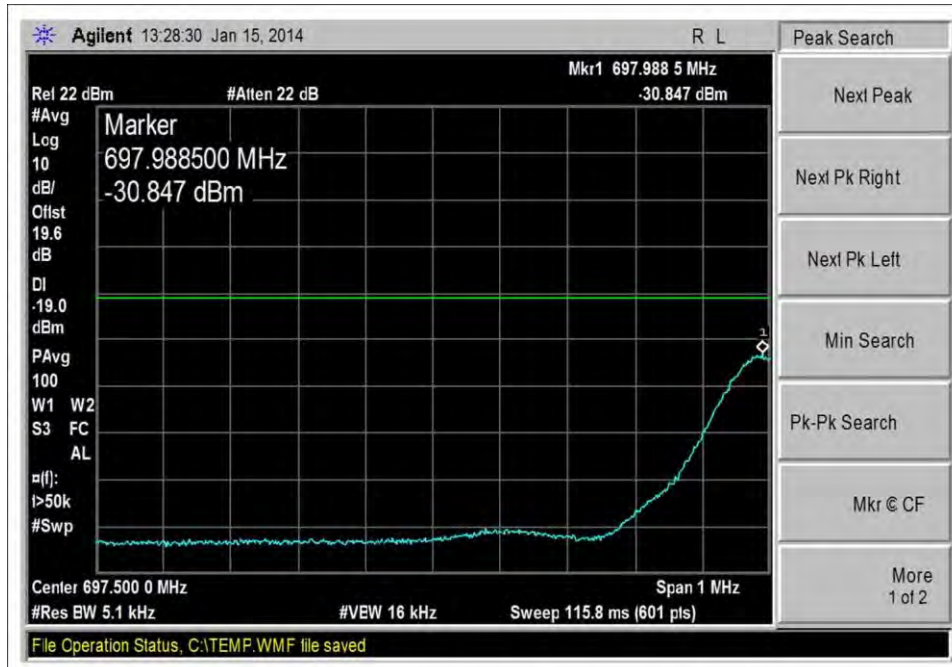
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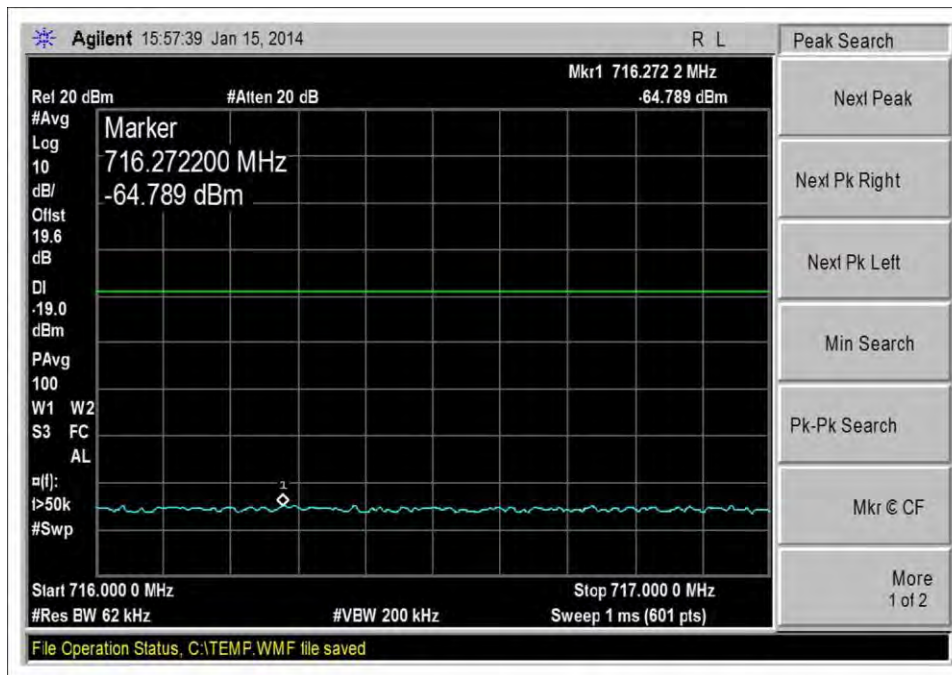
UL_698-716MHz_GSM_H_-36dBm



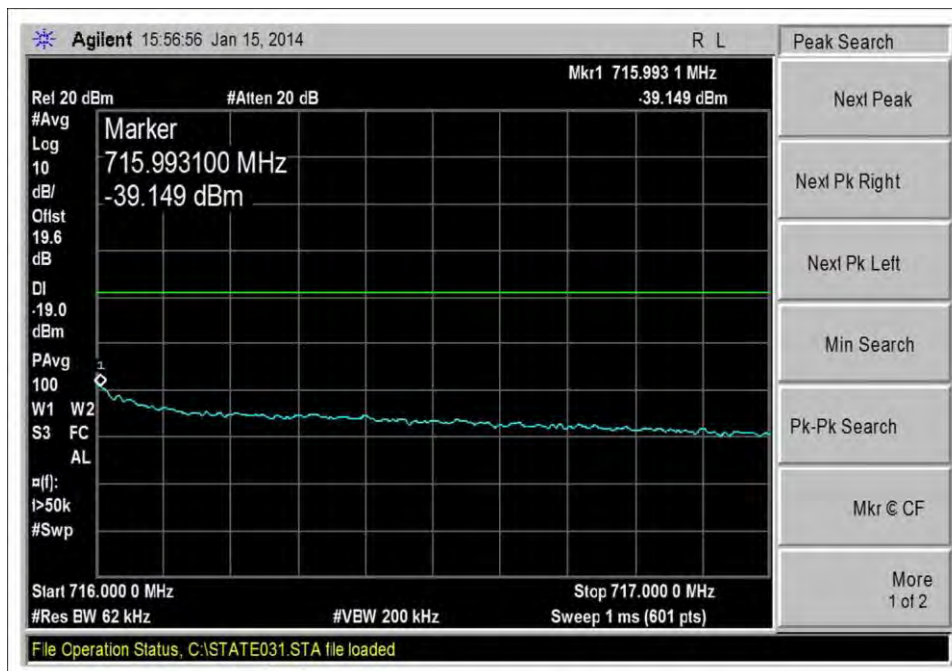
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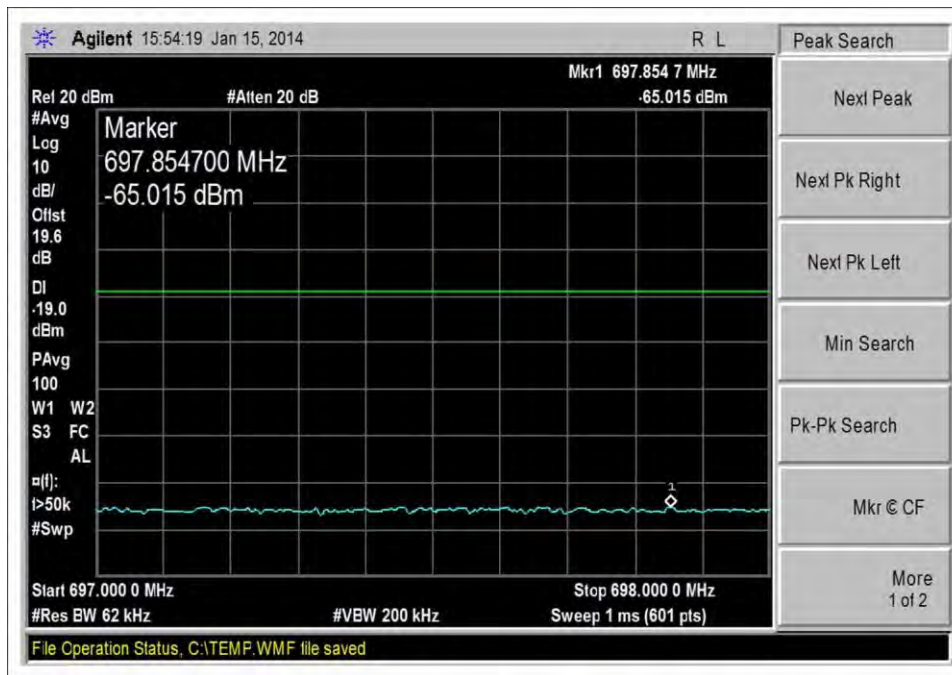
UL_698-716MHz_GSM_L_-38dBm



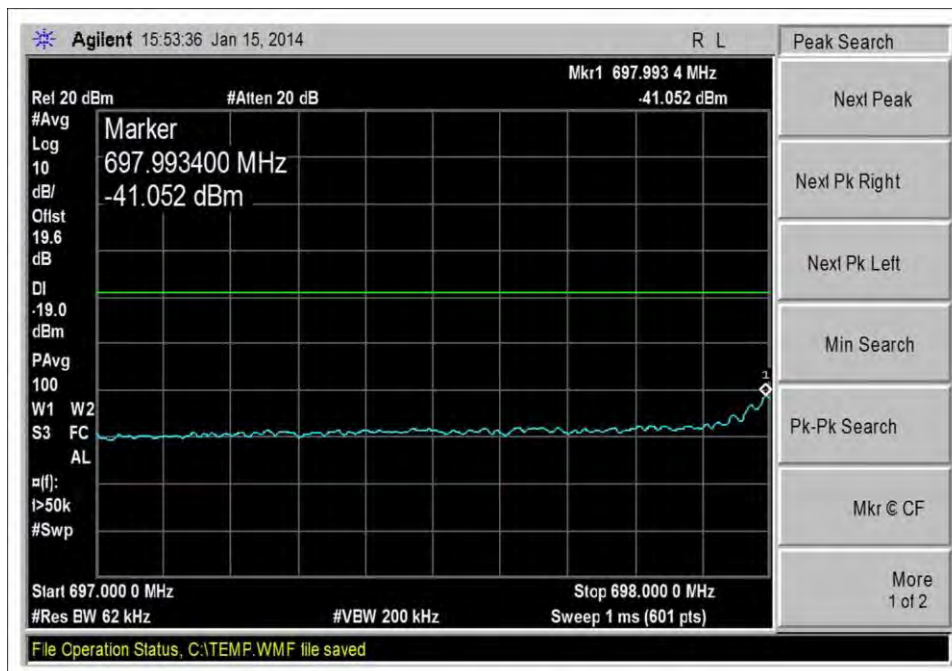
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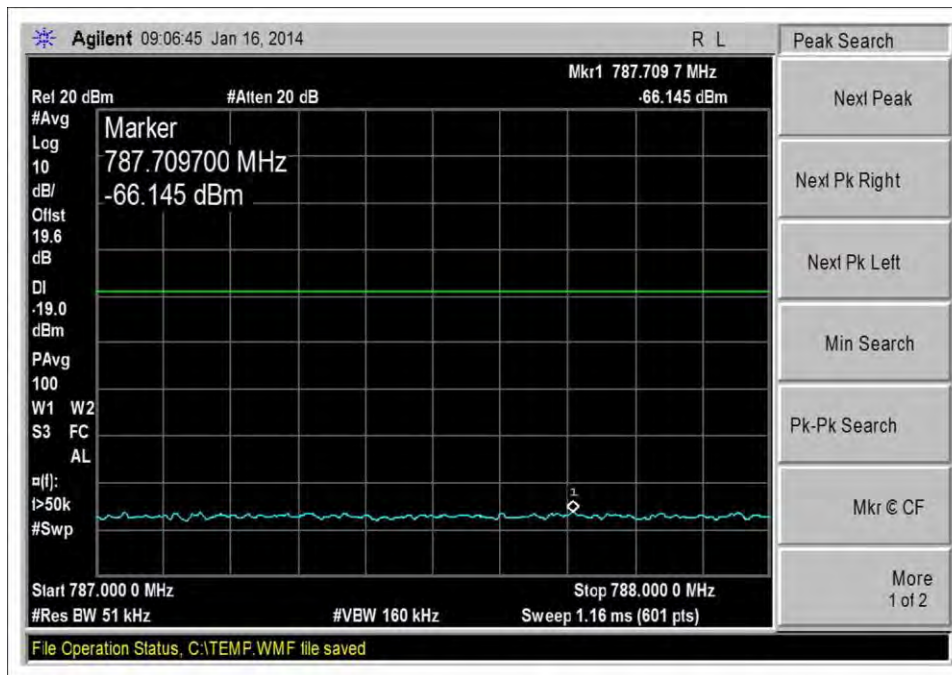
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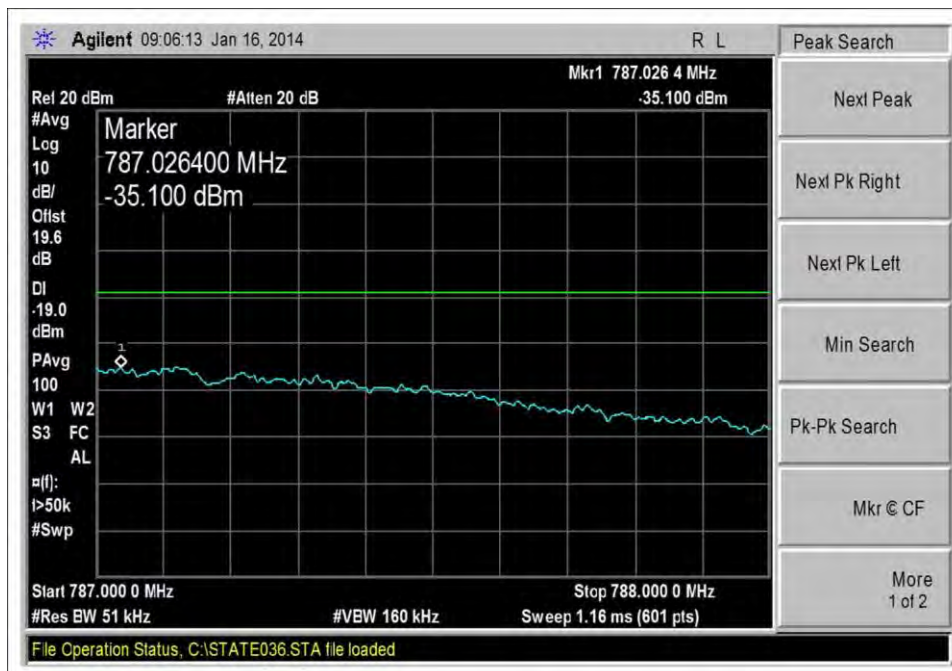
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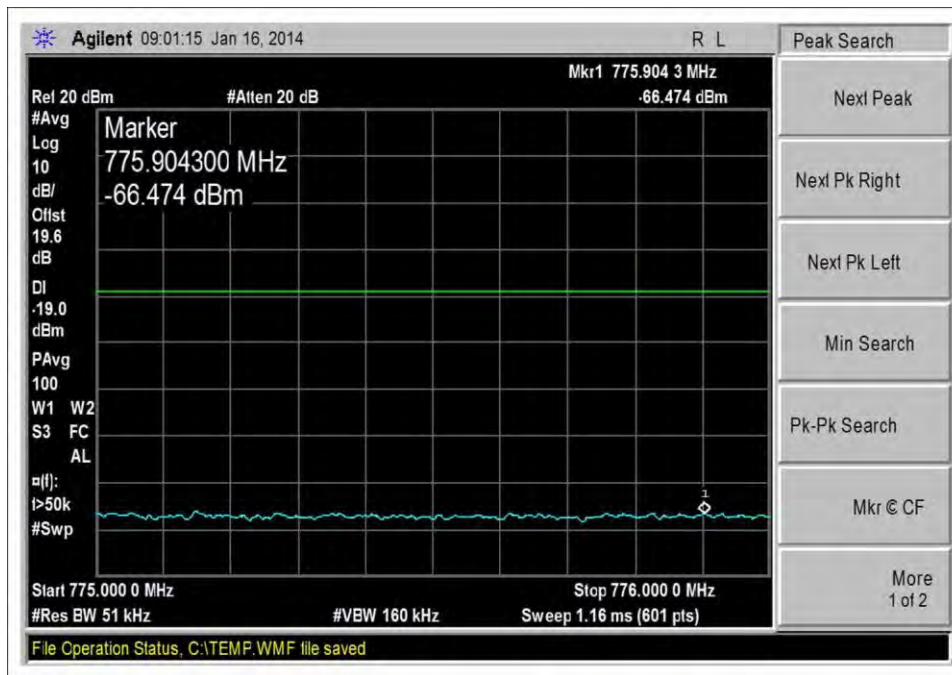
UL_698-716MHz_LTE_L_-40dBm



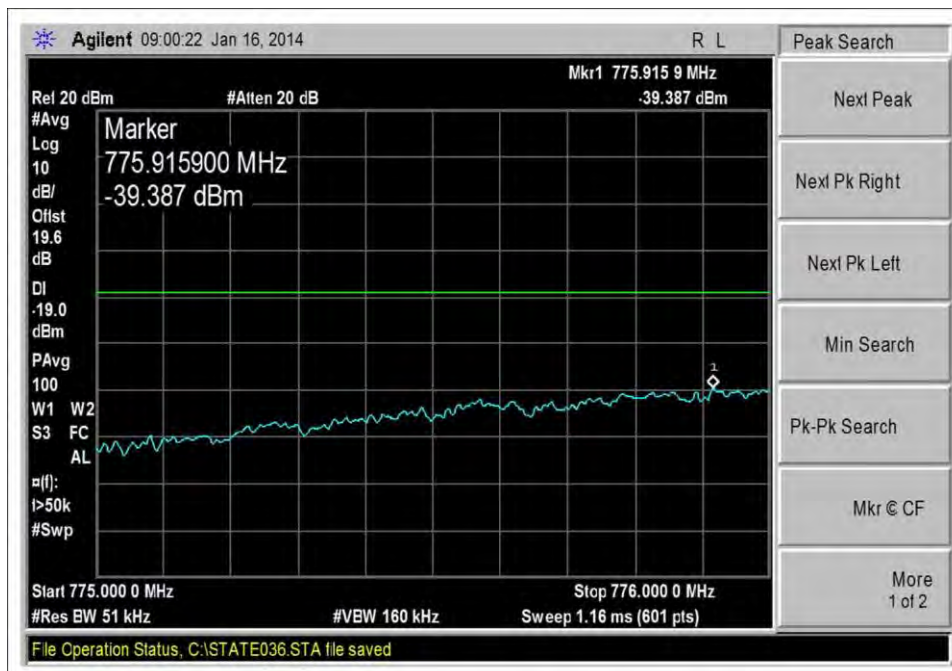
UL_776-787MHz_CDMA_H_0dBm



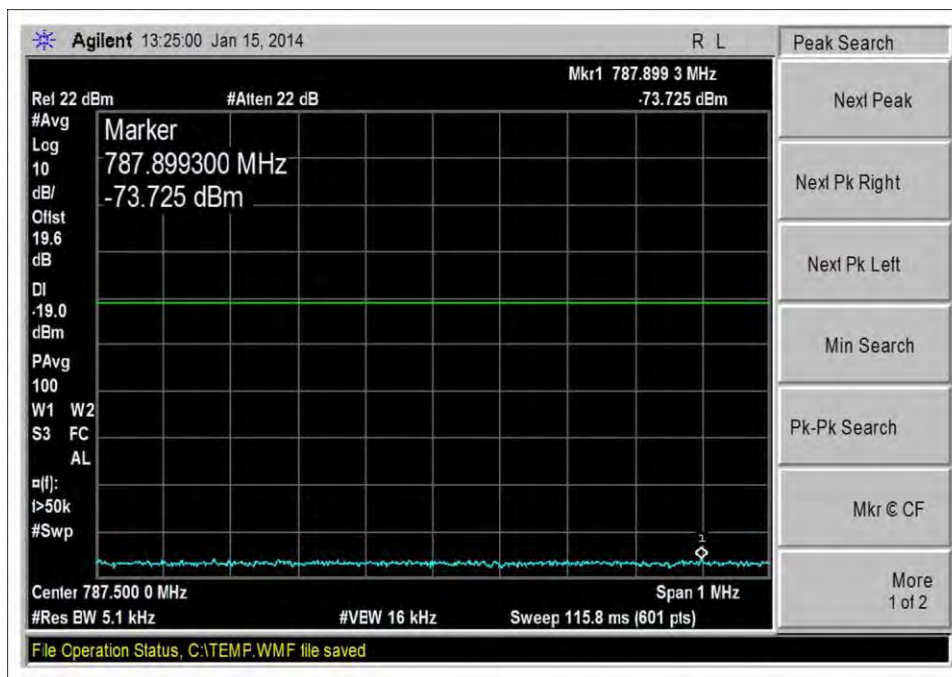
UL_776-787MHz_CDMA_H_-42dBm



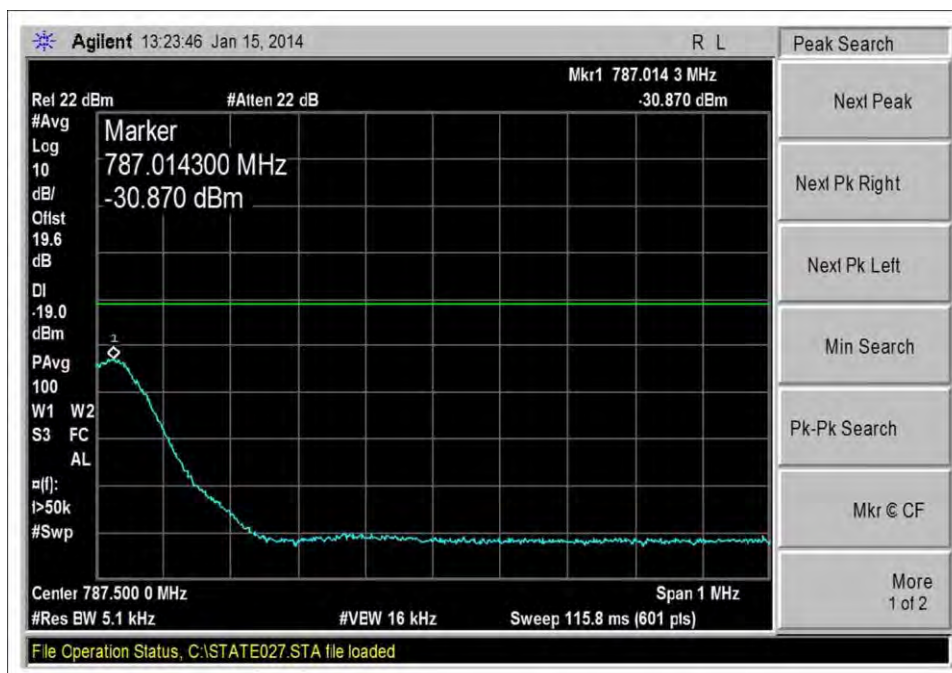
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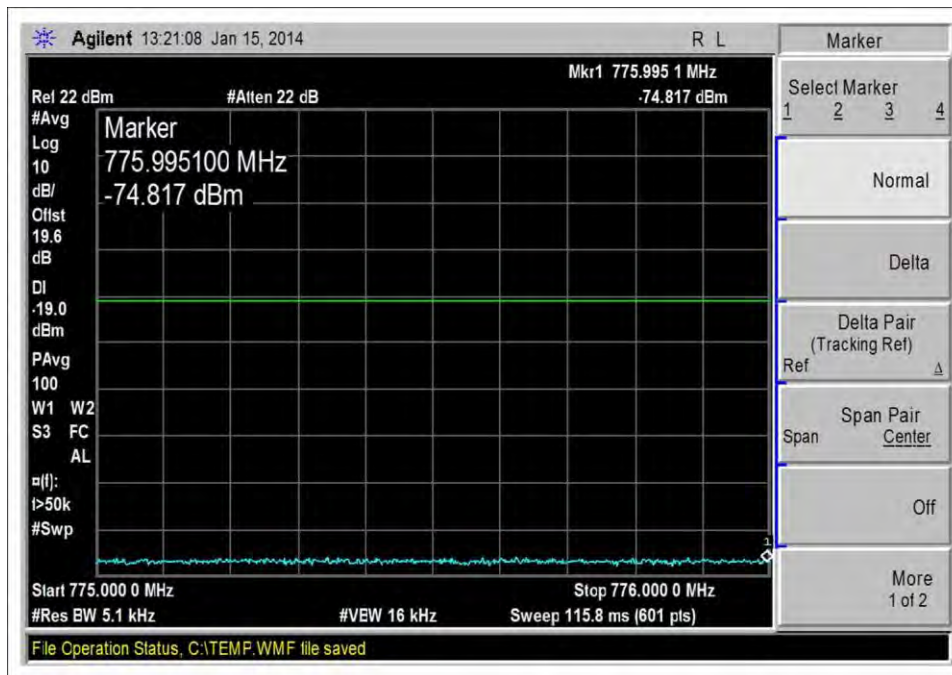
UL_776-787MHz_CDMA_L_-43dBm



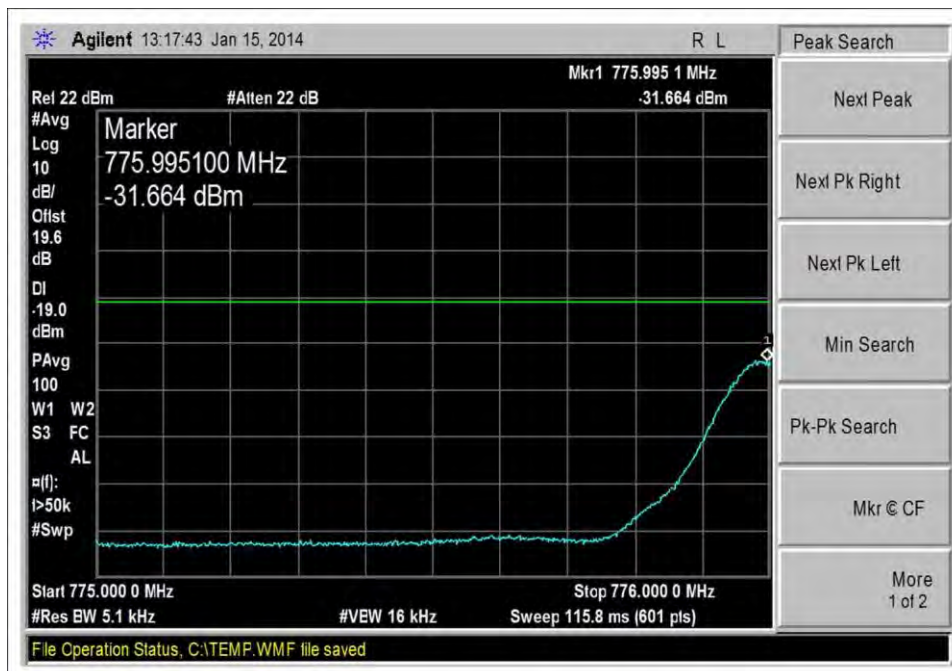
UL_776-787MHz_GSM_H_0dBm



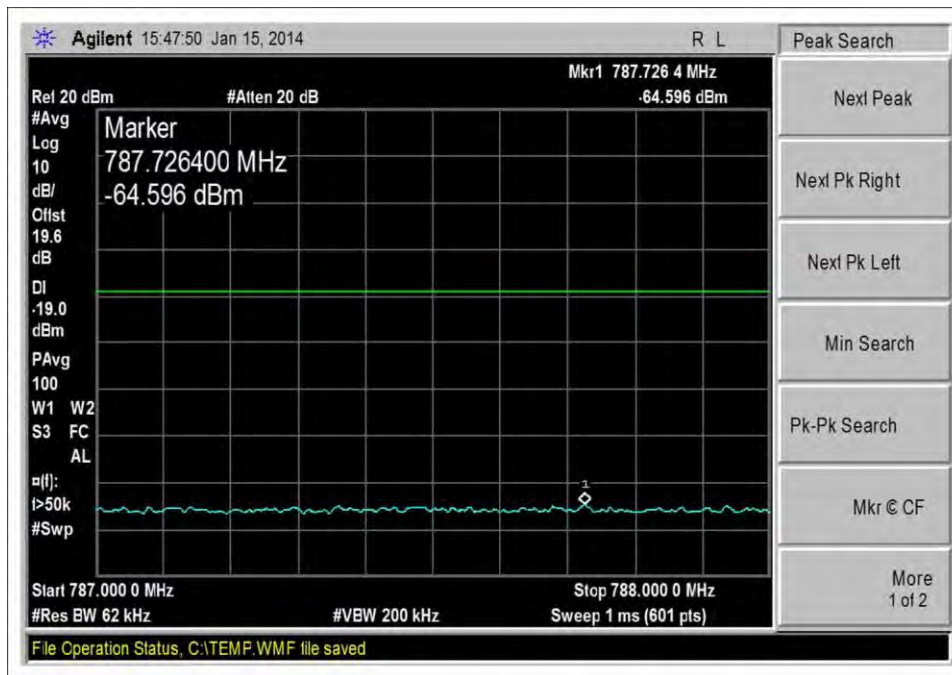
UL_776-787MHz_GSM_H_-39dBm



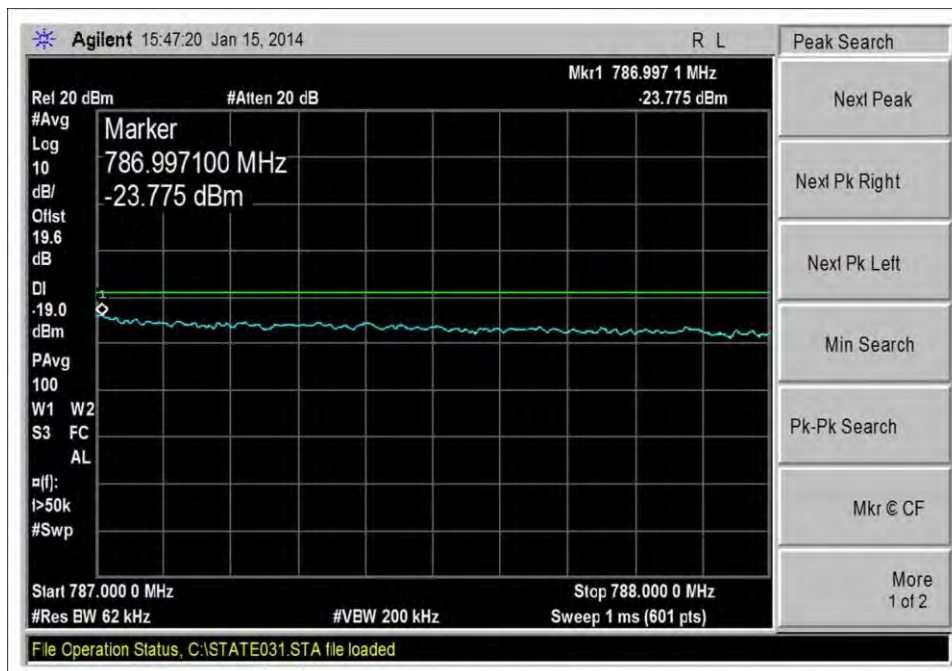
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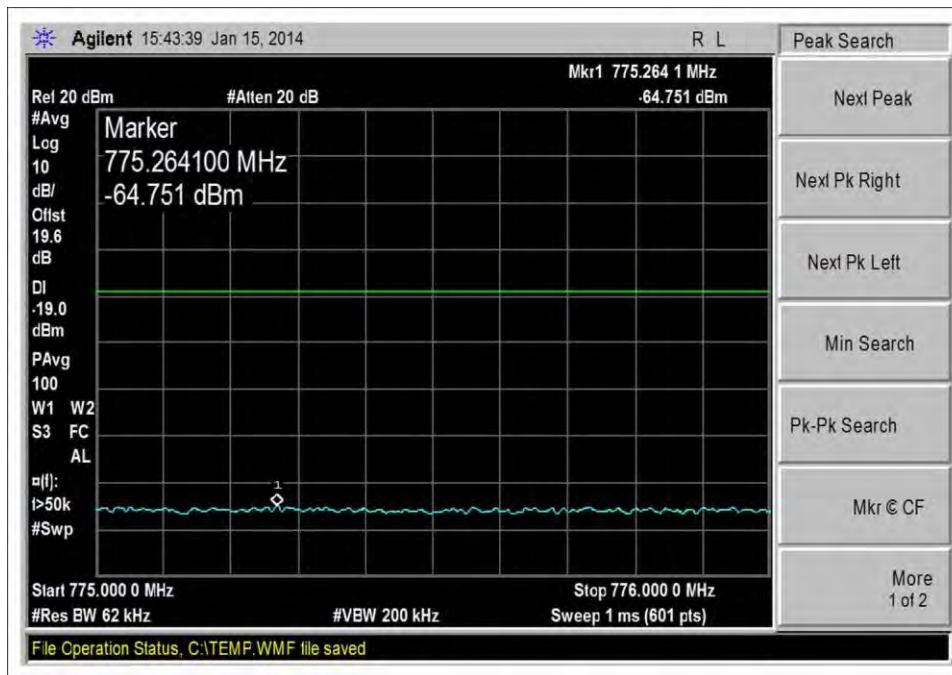
UL_776-787MHz_GSM_L_-38dBm



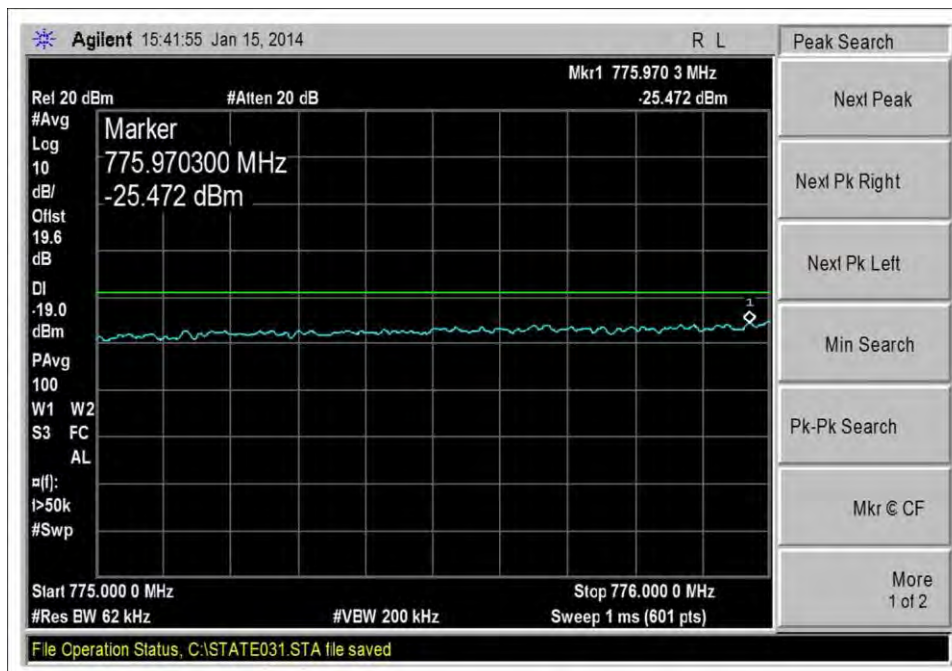
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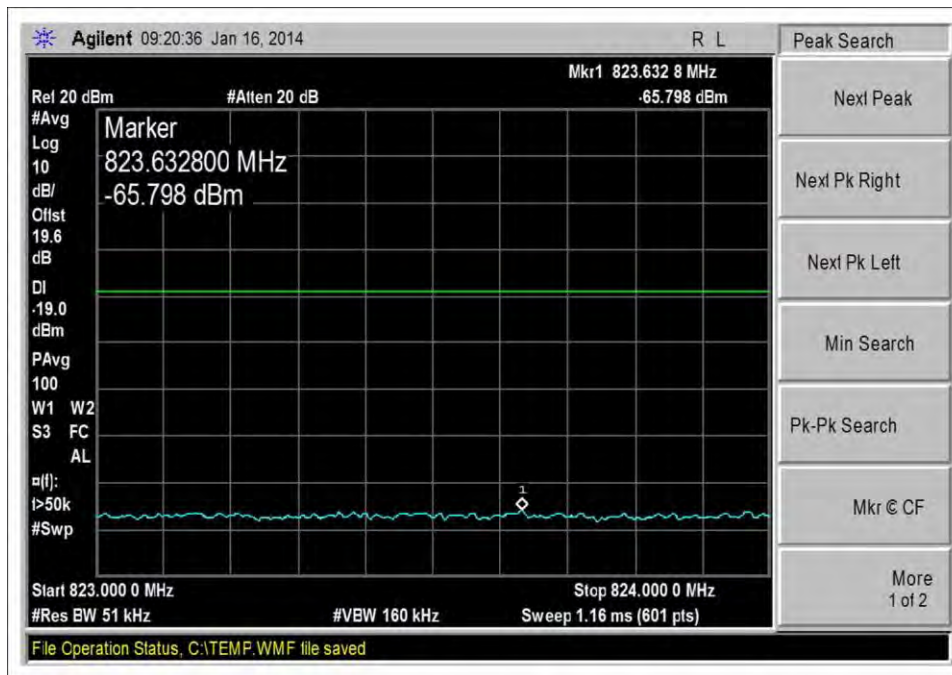
UL_776-787MHz_LTE_H_-40dBm



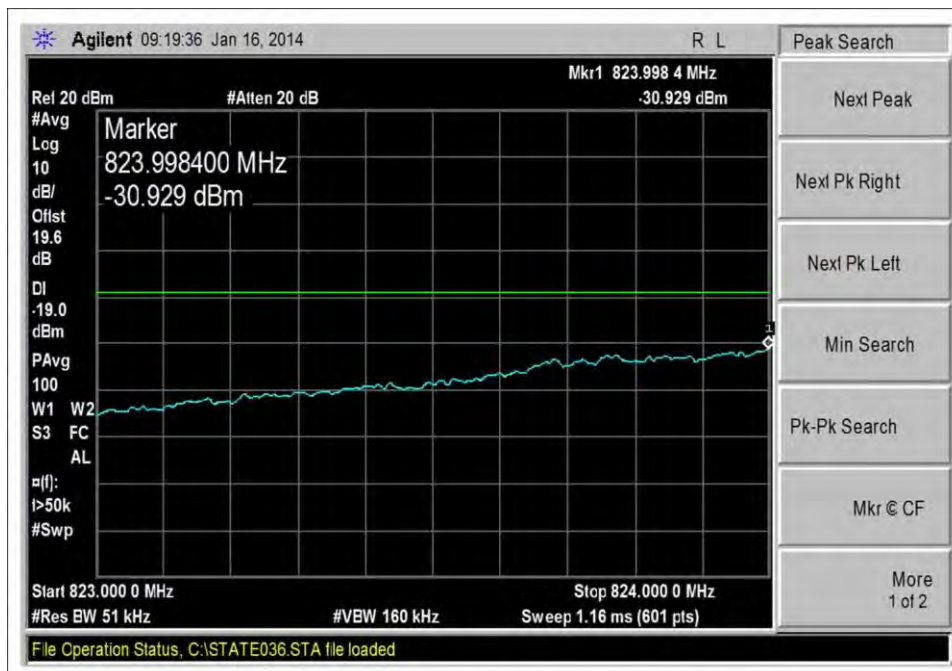
UL_776-787MHz_LTE_L_0dBm



UL_776-787MHz_LTE_L_-40dBm



UL_824-835MHz_CDMA_L_0dBm



UL_824-835MHz_CDMA_L_-41dBm