**MEASUREMENT REPORT**
FCC Part 22 & 90**Applicant Name:**LG Electronics MobileComm U.S.A
1000 Sylvan Avenue
Englewood Cliffs, NJ 07632
United States**Date of Testing:**

2/26 - 3/29/2018

Test Site/Location:

PCTEST Lab. Columbia, MD, USA

Test Report Serial No.:

1M1802260032-09-R1.ZNF

FCC ID:**ZNFG710VM****APPLICANT:****LG Electronics MobileComm U.S.A****Application Type:**

Certification

Model:

LM-G710VM

Additional Model(s):

LMG710VM, G710VM, LG-G710PM, LGG710PM, G710PM, LG-G710ULM, LGG710ULM, G710ULM

EUT Type:

Portable Handset

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

FCC Rule Part:

§2.1049, §22(H), §90.691

Test Procedure(s):

ANSI C63.26-2015, ANSI/TIA-603-E-2016, KDB 971168 D01 v03, KDB 648474 D03 v01r04

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947. Test results reported herein relate only to the item(s) tested.

This revised Test Report (S/N: 1M1802260032-09-R1.ZNF) supersedes and replaces the previously issued test report (S/N: 1M1802260032-09.ZNF) on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

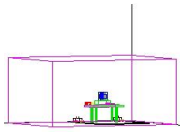

Randy Ortaez
President

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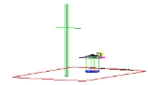
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Mode	Tx Frequency (MHz)	Measurement	Max. Power (W)	Max. Power (dBm)	Emission Designator	Modulation
CDMA800 (BC10)	817.9 - 823.1	Conducted	0.343	25.35	1M27F9W	CDMA
LTE Band 26	814.7 - 823.3	Conducted	0.340	25.32	1M08G7D	QPSK
LTE Band 26	814.7 - 823.3	Conducted	0.269	24.29	1M08W7D	16-QAM
LTE Band 26	814.7 - 823.3	Conducted	0.200	23.02	1M08W7D	64-QAM
LTE Band 26	815.5 - 822.5	Conducted	0.345	25.38	2M70G7D	QPSK
LTE Band 26	815.5 - 822.5	Conducted	0.271	24.33	2M69W7D	16-QAM
LTE Band 26	815.5 - 822.5	Conducted	0.200	23.01	2M69W7D	64-QAM
LTE Band 26	816.5 - 821.5	Conducted	0.344	25.36	4M51G7D	QPSK
LTE Band 26	816.5 - 821.5	Conducted	0.269	24.30	4M50W7D	16-QAM
LTE Band 26	816.5 - 821.5	Conducted	0.205	23.11	4M50W7D	64-QAM
LTE Band 26	819	Conducted	0.349	25.43	8M99G7D	QPSK
LTE Band 26	819	Conducted	0.272	24.34	9M00W7D	16-QAM
LTE Band 26	819	Conducted	0.216	23.34	9M01W7D	64-QAM
LTE Band 26	821.5	Conducted	0.346	25.39	13M4G7D	QPSK
LTE Band 26	821.5	Conducted	0.271	24.33	13M4W7D	16-QAM
LTE Band 26	821.5	Conducted	0.201	23.03	13M4W7D	64-QAM
LTE Band 26	821.5	ERP	0.034	15.29	13M4G7D	QPSK
LTE Band 26	821.5	ERP	0.028	14.47	13M4W7D	16-QAM
LTE Band 26	821.5	ERP	0.023	13.55	13M4W7D	64-QAM

EUT Overview

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1.0 INTRODUCTION

1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

1.2 PCTEST Test Location

These measurement tests were conducted at the PCTEST Engineering Laboratory, Inc. facility located at 7185 Oakland Mills Road, Columbia, MD 21046. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014.

1.3 Test Facility / Accreditations

Measurements were performed at PCTEST Engineering Lab located in Columbia, MD 21046, U.S.A.

- PCTEST is an ISO 17025-2005 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.01 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- PCTEST TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISED Standards (RSS).
- PCTEST facility is a registered (2451B) test laboratory with the site description on file with ISED.

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **LG Portable Handset FCC ID: ZNFG710VM**. The test data contained in this report pertains only to the emissions due to the EUT's licensed transmitters that operate under the provisions of Part 22(H) and 90.691.

Test Device Serial No.: 07298, 07306, 07199

2.2 Device Capabilities

This device contains the following capabilities:

850/1900 CDMA/EvDO Rev0/A, 1x Advanced (BC0, BC1, BC10), 850/1900 GSM/GPRS/EDGE, 850/1700/1900 WCDMA/HSPA, Multi-band LTE, 802.11b/g/n WLAN, 802.11a/n/ac UNII, Bluetooth (1x, EDR, LE), NFC, ANT+

2.3 Test Configuration

The EUT was tested per the guidance of ANSI/TIA-603-D-2010 and KDB 971168 D01 v03. See Section 7.0 of this test report for a description of the radiated and antenna port conducted emissions tests.

This device supports wireless charging capability and, thus, is subject to the test requirements of KDB 648474 D03 v01r04. Additional radiated spurious emission measurements were performed with the EUT lying flat on an authorized wireless charging pad (WCP) Model: EP-NG930 while operating under normal conditions in a simulated call or data transmission configuration. The worst case radiated emissions data is shown in this report.

2.4 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and no modifications were made during testing.

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3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

The measurement procedures described in the document titled "Land Mobile FM or PM – Communications Equipment – Measurements and Performance Standards" (ANSI/TIA-603-D-2010) and "Procedures for Compliance Measurement of the Fundamental Emission Power of Licensed Wideband (> 1 MHz) Digital Transmission Systems" (KDB 971168 D01 v03) were used in the measurement of the EUT.

3.2 Radiated Power and Radiated Spurious Emissions

§2.1053, §90.635, §90.691

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 of Clause 5 in ANSI C63.4-2014. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. For measurements below 1GHz, the absorbers are removed. A raised turntable is used for radiated measurement. The turn table is a continuously rotatable, remote-controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm tall test table made of Styrodur is placed on top of the turn table. A Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

The equipment under test was transmitting while connected to its integral antenna and is placed on a wooden turntable 80cm above the ground plane and 3 meters from the receive antenna. The receive antenna height is adjusted between 1 and 4 meter height, the turntable is rotated through 360 degrees, and the EUT is manipulated through all orthogonal planes representative of its typical use to achieve the highest reading on the receive spectrum analyzer. Radiated power levels are also investigated with the receive antenna horizontally and vertically polarized. The maximized power level is recorded using the spectrum analyzer "Channel Power" function with the integration band set to the emissions' occupied bandwidth, a RMS detector, RBW = 100kHz, VBW = 300kHz, and a 1 second sweep time over a minimum of 10 sweeps, per the guidelines of KDB 971168 D01 v03.

Per the guidance of ANSI/TIA-603-D-2010, a half-wave dipole is then substituted in place of the EUT. For emissions above 1GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator with the level of the signal generator being adjusted to obtain the same receive spectrum analyzer level previously recorded from the spurious emission from the EUT. The power of the emission is calculated using the following formula:

$$P_d [\text{dBm}] = P_g [\text{dBm}] - \text{cable loss} [\text{dB}] + \text{antenna gain} [\text{dBd/dBi}]$$

Where, P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to $P_g [\text{dBm}] - \text{cable loss} [\text{dB}]$.

The calculated P_d levels are then compared to the absolute spurious emission limit of -13dBm which is equivalent to the required minimum attenuation of $43 + 10\log_{10}(\text{Power} [\text{Watts}])$ specified in 90.691.

For fundamental radiated power measurements, the guidance of KDB 971168 D01 v03 is used to record the EUT power level that is subsequently matched via the aforementioned substitution method given in ANSI/TIA-603-D-2010.

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4.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Contribution	Expanded Uncertainty ($\pm$ dB)
Conducted Bench Top Measurements	1.13
Radiated Disturbance (<1GHz)	4.98
Radiated Disturbance (>1GHz)	5.07
Radiated Disturbance (>18GHz)	5.09

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5.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurements antennas used during testing were calibrated in accordance to the requirements of ANSI C63.5-2017.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
-	RE1	Radiated Emissions Cable Set (UHF/EHF)	6/21/2017	Annual	6/21/2018	RE1
-	LTX3	Licensed Transmitter Cable Set	8/10/2017	Annual	8/10/2018	LTX3
Agilent	E5515C	Wireless Communications Test Set	N/A			GB46310798
Agilent	N9020A	MXA Signal Analyzer	1/24/2018	Annual	1/24/2019	US46470561
Agilent	N9038A	MXE EMI Receiver	4/26/2017	Annual	4/26/2018	MY51210133
Com-Power	AL-130	9kHz - 30MHz Loop Antenna	10/10/2017	Biennial	10/10/2019	121034
Com-Power	PAM-103	Pre-Amplifier (1-1000MHz)	6/21/2017	Annual	6/21/2018	441119
Espec	ESX-2CA	Environmental Chamber	4/11/2017	Annual	4/11/2018	17620
ETS Lindgren	3164-08	Quad Ridge Horn Antenna	4/26/2016	Biennial	4/26/2018	128337
Mini Circuits	TVA-11-422	RF Power Amp	N/A			QA1317001
Mini Circuits	PWR-SEN-4GHS	USB Power Sensor	3/24/2017	Annual	3/24/2018	11401010036
Mini-Circuits	SSG-4000HP	Synthesized Signal Generator	N/A			11208010032
PCTEST	-	EMC Switch System	6/21/2017	Annual	6/21/2018	NM2
Rohde & Schwarz	ESU26	EMI Test Receiver (26.5GHz)	4/19/2017	Annual	4/19/2018	100342
Rohde & Schwarz	FSW67	Signal / Spectrum Analyzer	8/11/2017	Annual	8/11/2018	103200
Rohde & Schwarz	SFUNIT-Rx	Shielded Filter Unit	7/3/2017	Annual	7/3/2018	102135
Rohde & Schwarz	SFUNIT-Rx	Shielded Filter Unit	7/3/2017	Annual	7/3/2018	102133
Seekonk	NC-100	Torque Wrench 5/16", 8" lbs	1/22/2018	Annual	1/22/2019	N/A
Sunol	DRH-118	Horn Antenna (1-18GHz)	8/11/2017	Biennial	8/11/2019	A050307
Rohde & Schwarz	CMW500	Radio Communication Tester	N/A			100976

Table 5-1. Test Equipment

Note:

Equipment with a calibration date of "N/A" shown in this list was not used to make direct calibrated measurements.

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6.0 SAMPLE CALCULATIONS

Emission Designator

Emission Designator = 1M25F9W

CDMA BW = 1.25 MHz

F = Frequency Modulation

9 = Composite Digital Info

W = Combination (Audio/Data) (Measured at the 99.75% power bandwidth)

Spurious Radiated Emission – BC10

Example: Channel 476 CDMA BC10 Mode 3rd Harmonic (2453.70MHz)

The average spectrum analyzer reading at 3 meters with the EUT on the turntable was –81.0 dBm. The gain of the substituted antenna is 8.1 dBi. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of –81.0 dBm on the spectrum analyzer. The loss of the cable between the signal generator and the terminals of the substituted antenna is 2.0 dB at 2453.70 MHz. So 6.1 dB is added to the signal generator reading of –30.9 dBm yielding –24.80 dBm. The fundamental EIRP was 25.501 dBm so this harmonic was 25.501 dBm – (-24.80) = 50.3 dBc.

Emission Designator

QPSK Modulation

Emission Designator = 8M62G7D

LTE BW = 8.62 MHz

G = Phase Modulation

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

16QAM Modulation

Emission Designator = 8M45W7D

LTE BW = 8.45 MHz

W = Amplitude/Angle Modulated

7 = Quantized/Digital Info

D = Data transmission, telemetry, telecommand

Spurious Radiated Emission – LTE Band

Example: Middle Channel LTE Mode 2nd Harmonic (1564 MHz)

The average spectrum analyzer reading at 3 meters with the EUT on the turntable was –81.0 dBm. The gain of the substituted antenna is 8.1 dBi. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of –81.0 dBm on the spectrum analyzer. The loss of the cable between the signal generator and the terminals of the substituted antenna is 2.0 dB at 1564 MHz. So 6.1 dB is added to the signal generator reading of –30.9 dBm yielding –24.80 dBm. The fundamental EIRP was 25.501 dBm so this harmonic was 25.501 dBm – (-24.80).

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7.0 TEST RESULTS

7.1 Summary

Company Name: LG Electronics MobileComm U.S.A
 FCC ID: ZNFG710VM
 FCC Classification: PCS Licensed Transmitter Held to Ear (PCE)
 Mode(s): CDMA / EvDO / LTE
 Band: Band Class 10 / Band 26

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
2.1049	Occupied Bandwidth	N/A	CONDUCTED	PASS	Section 7.2
2.1051 90.691	Conducted Band Edge / Spurious Emissions	$> 43 + \log_{10}(P[\text{Watts}])$ for all out-of-band emissions except $> 50 + 10\log_{10}(P[\text{Watts}])$ at Band Edge and for all out-of-band emissions within 37.5kHz of Block Edge		PASS	Sections 7.3, 7.4
2.1055 90.213	Frequency Stability	< 2.5 ppm		PASS	Section 7.8
2.1046 90.635	Conducted Power	< 100 Watts		PASS	Section 7.5
22.913(a.2)	Effective Radiated Power (Band 26)	< 7 Watts max. ERP	RADIATED	PASS	Section 7.6
2.1053 90.691	Radiated Spurious Emissions	$> 43 + \log_{10}(P[\text{Watts}])$ for all out-of-band emissions except $> 50 + 10\log_{10}(P[\text{Watts}])$ at Band Edge and for all out-of-band emissions within 37.5kHz of Block Edge		PASS	Section 7.7

Table 7-1. Summary of Test Results

Notes:

- 1) All modes of operation and data rates were investigated. The test results shown in the following sections represent the worst case emissions.
- 2) The analyzer plots shown in Section 7.0 were taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables, directional couplers, and attenuators used as part of the system to maintain a link between the call box and the EUT at all frequencies of interest.
- 3) All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables, attenuators, and couplers.
- 4) For conducted spurious emissions, automated test software was used to measure emissions and capture the corresponding plots necessary to show compliance. The measurement software utilized is PCTEST "2G/3G Automation," Version 3.9.

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7.2 Occupied Bandwidth

§2.1049

Test Overview

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Procedure Used

KDB 971168 D01 v03 – Section 4.2

Test Settings

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

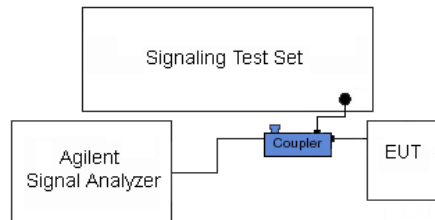
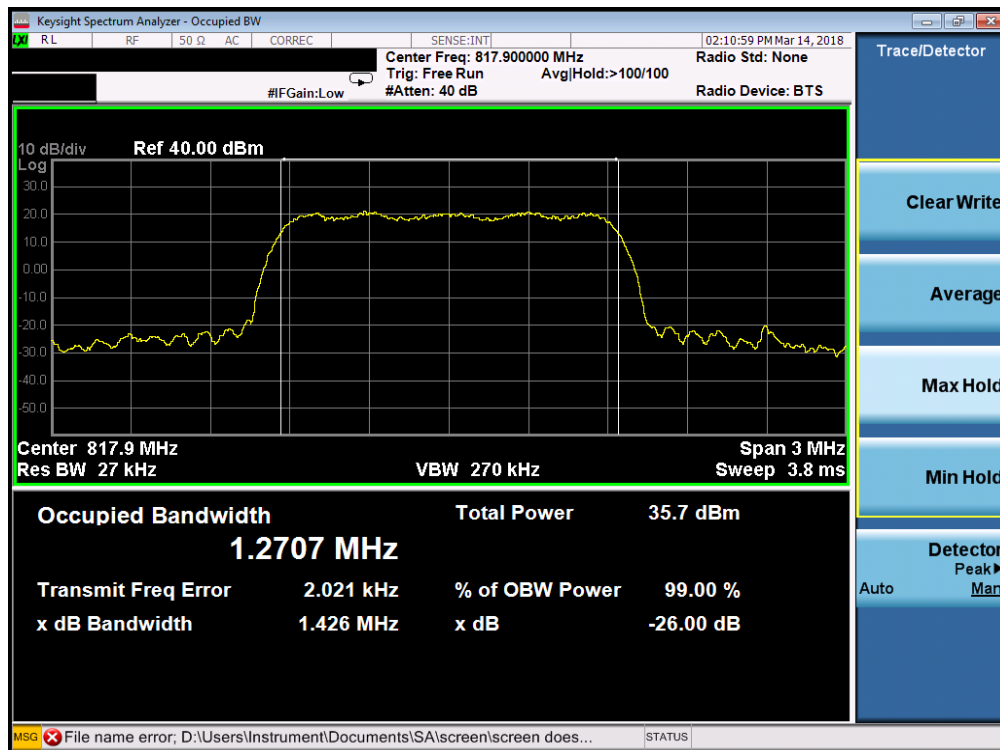


Figure 7-1. Test Instrument & Measurement Setup

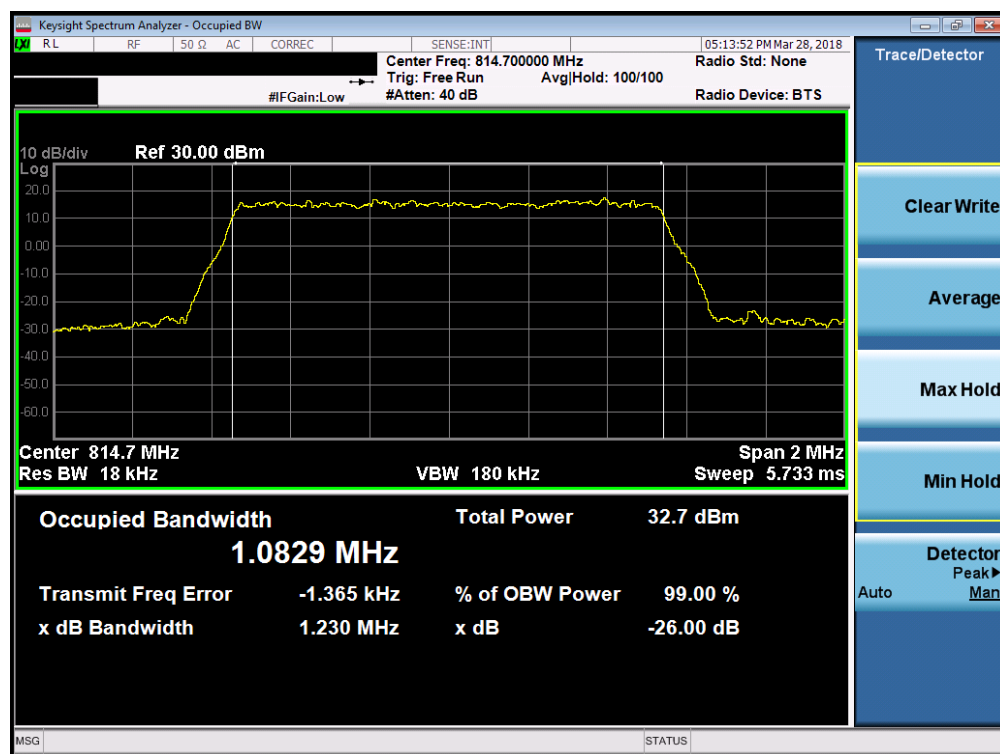
Test Notes

None.

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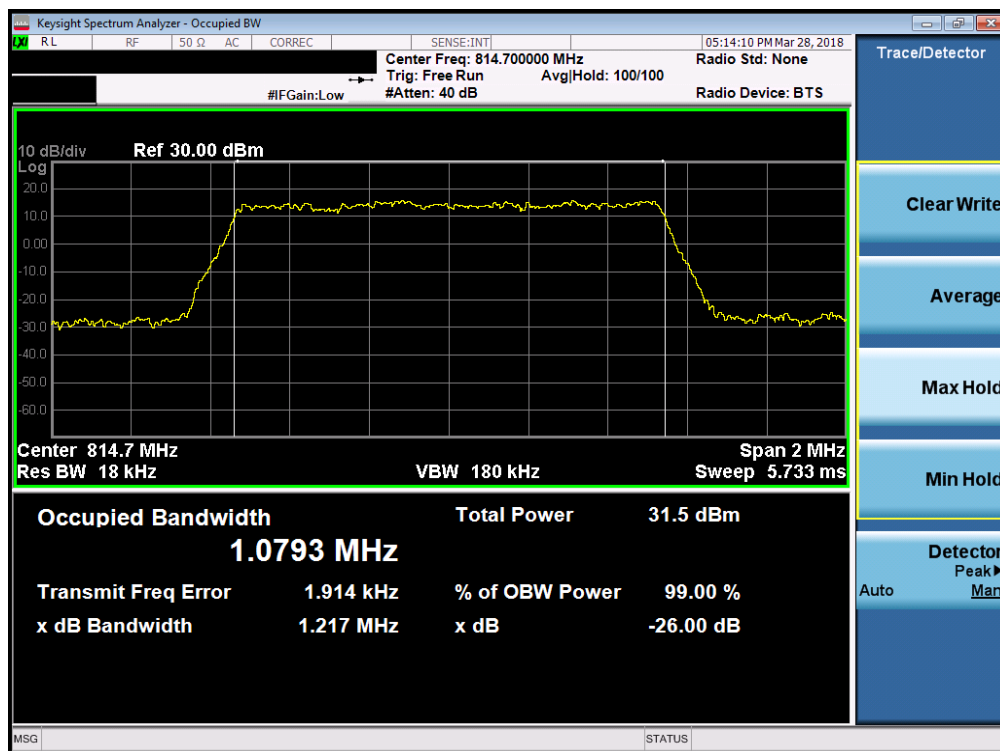


Plot 7-1. Occupied Bandwidth Plot (CDMA - Ch. 476)

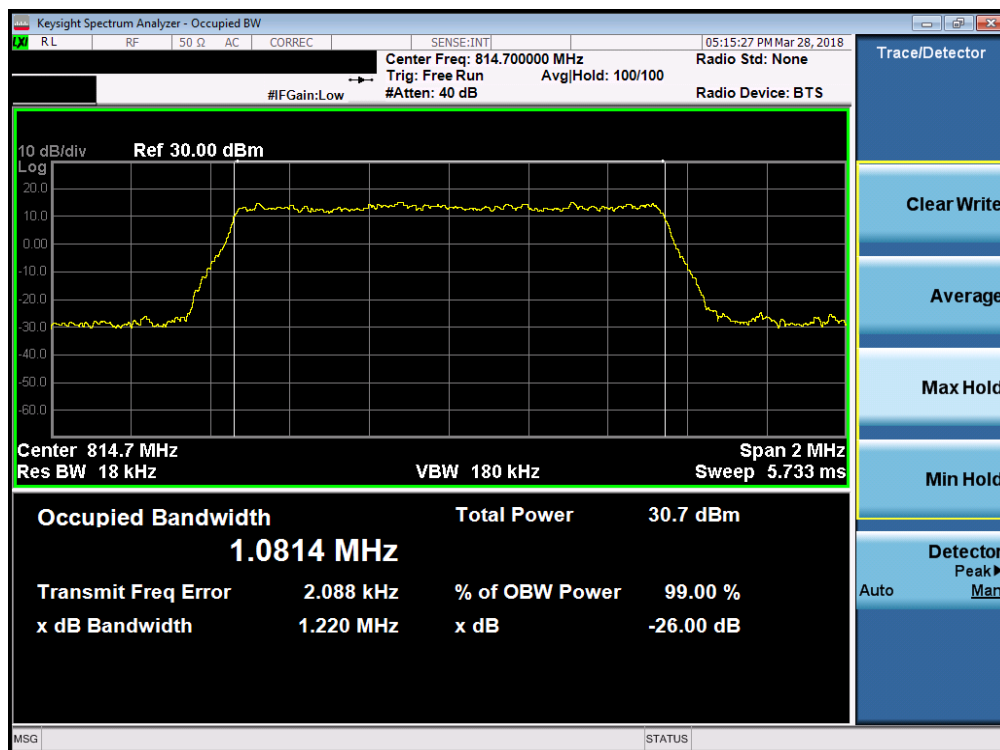


Plot 7-2. Occupied Bandwidth Plot (LTE Band 26 - 1.4MHz QPSK - RB Size 6- Low Channel)

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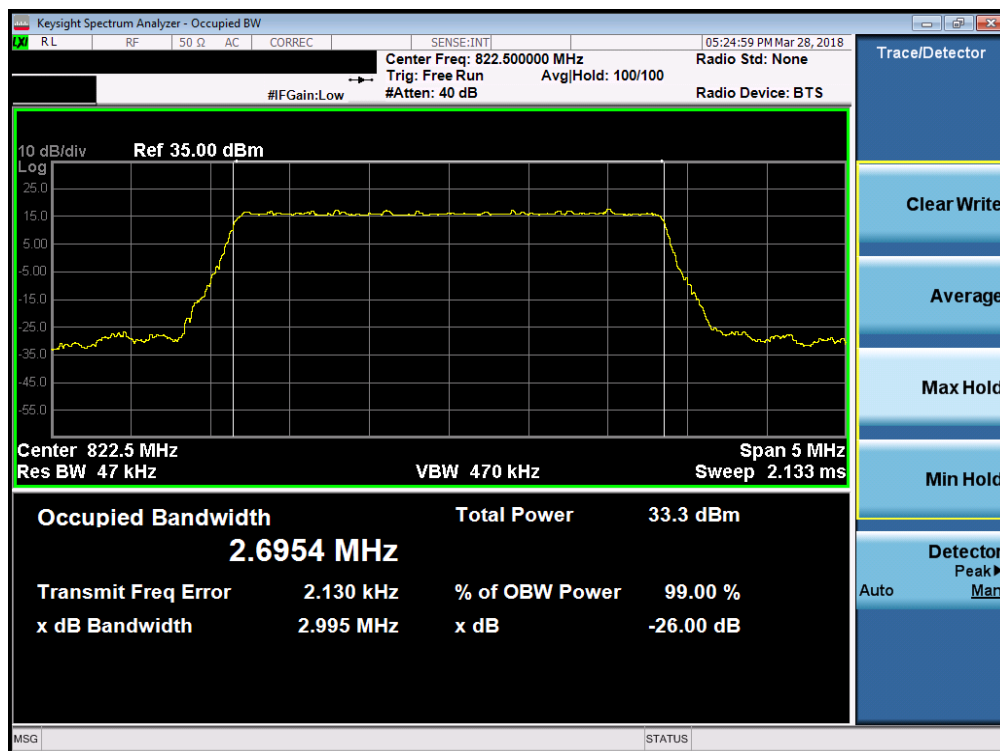


Plot 7-3. Occupied Bandwidth Plot (LTE Band 26 - 1.4MHz 16-QAM – RB Size 6– Low Channel)

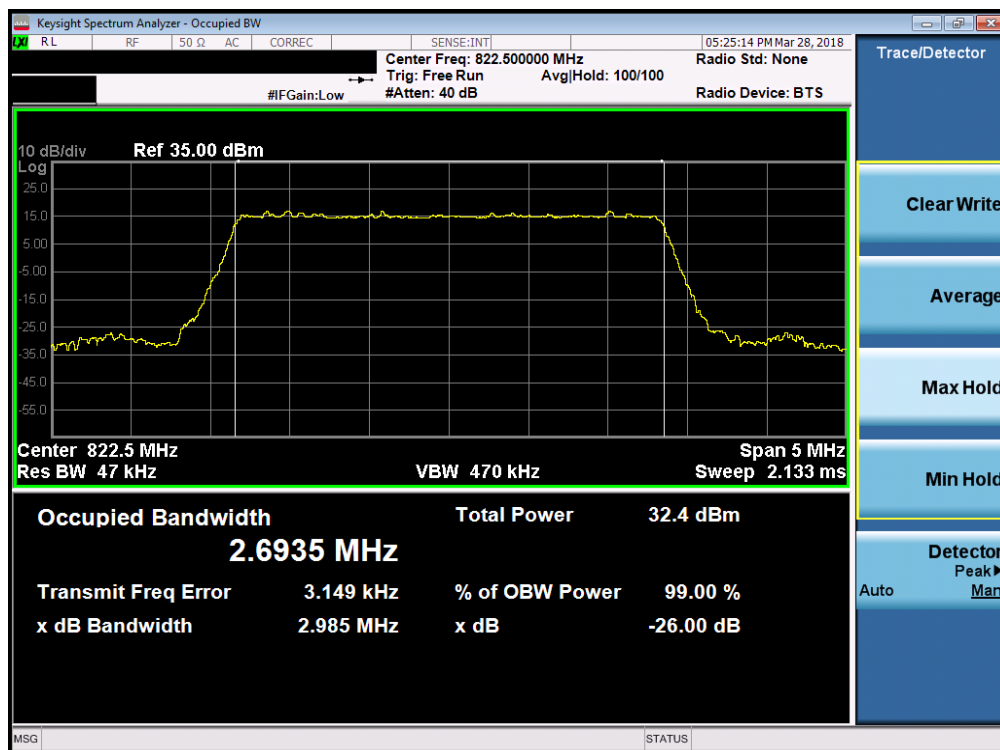


Plot 7-4. Occupied Bandwidth Plot (LTE Band 26 - 1.4MHz 64-QAM – RB Size 6– Low Channel)

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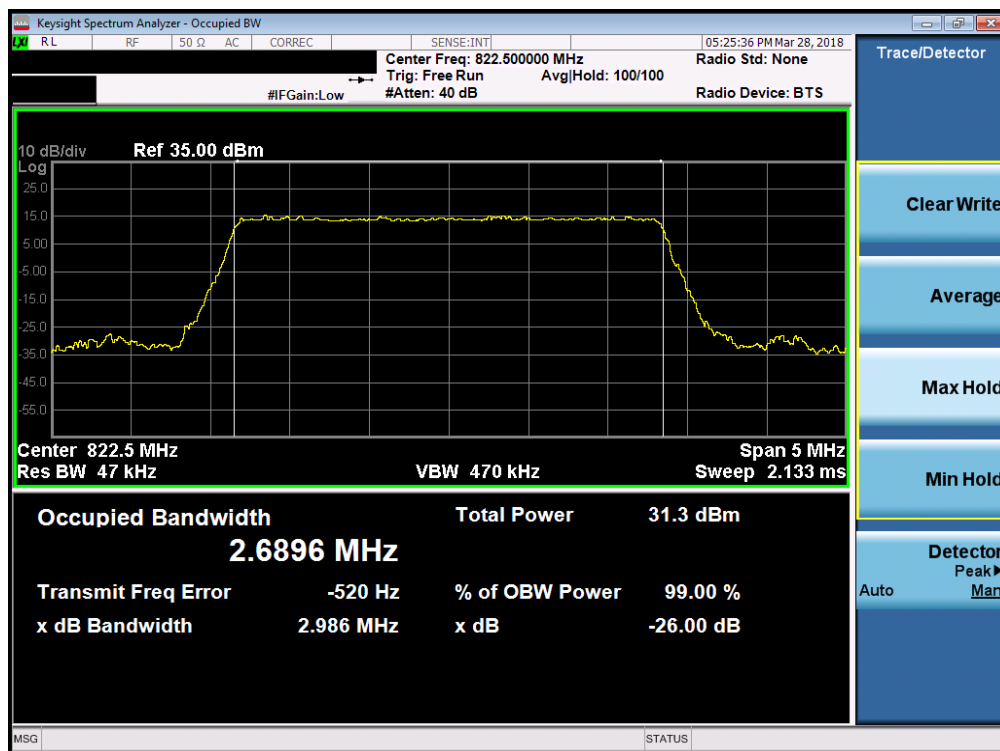


Plot 7-5. Occupied Bandwidth Plot (LTE Band 26 - 3MHz QPSK – RB Size 15– Low Channel)

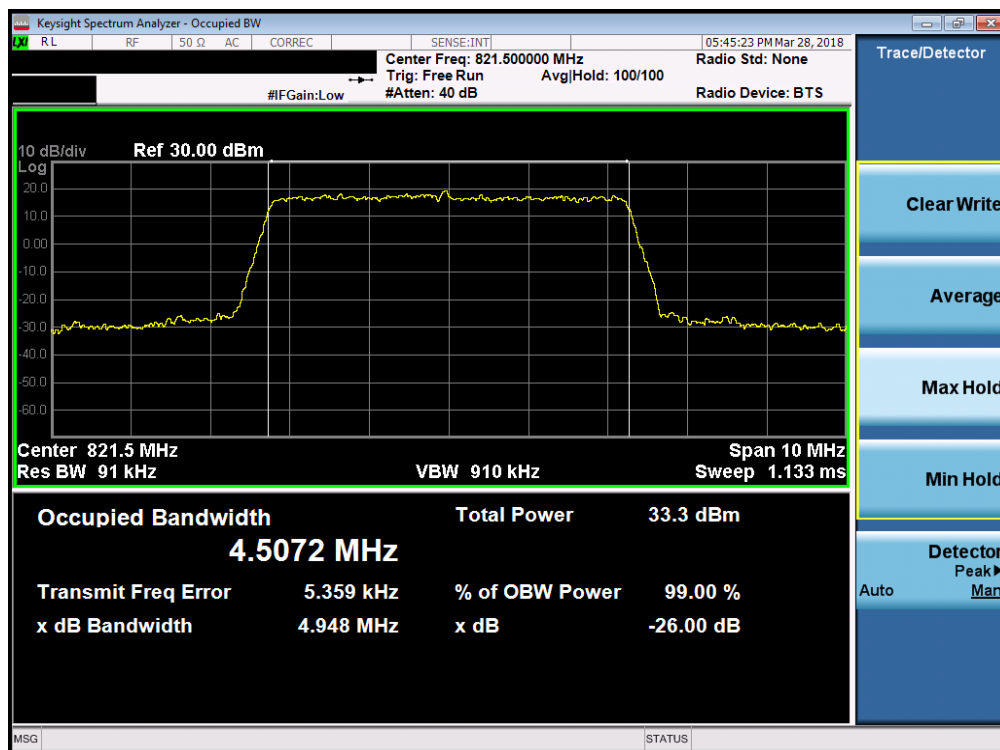


Plot 7-6. Occupied Bandwidth Plot (LTE Band 26 - 3MHz 16-QAM – RB Size 15– Low Channel)

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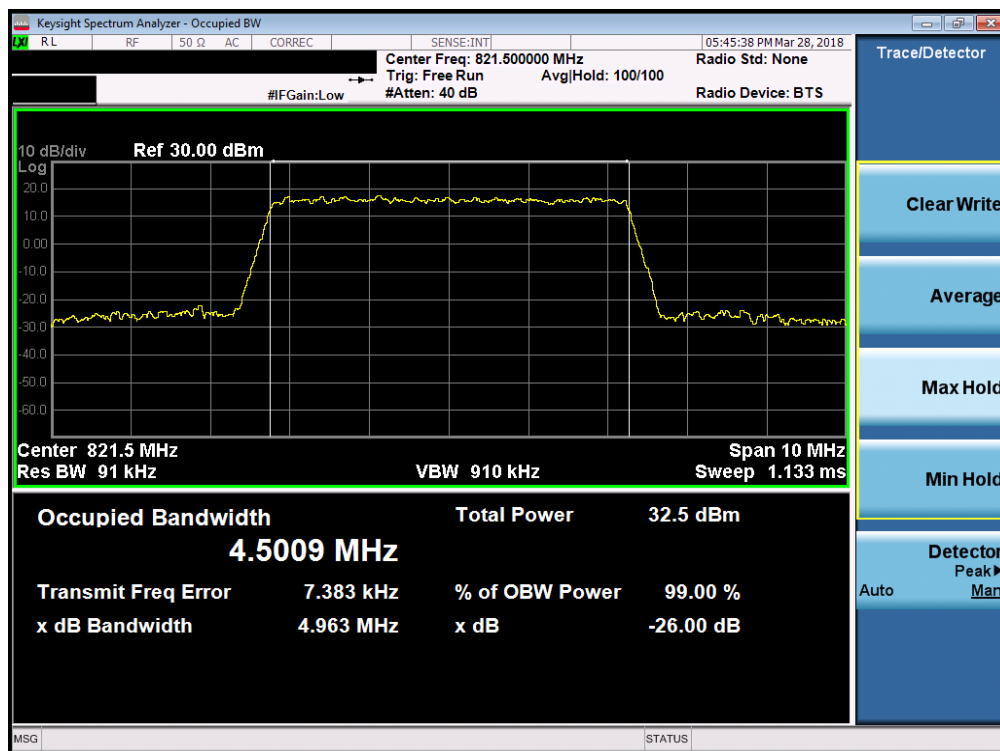


Plot 7-7. Occupied Bandwidth Plot (LTE Band 26 - 3MHz 64-QAM – RB Size 15– Low Channel)

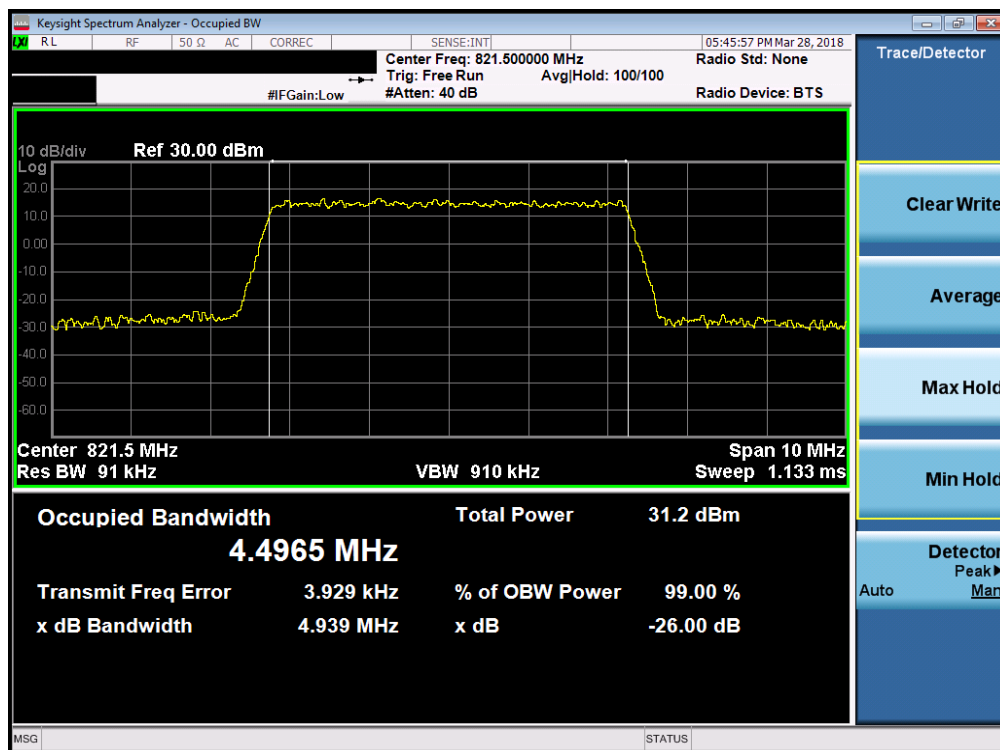


Plot 7-8. Occupied Bandwidth Plot (LTE Band 26 - 5MHz QPSK – RB Size 25– Low Channel)

FCC ID: ZNFG710VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1.ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 15 of 46

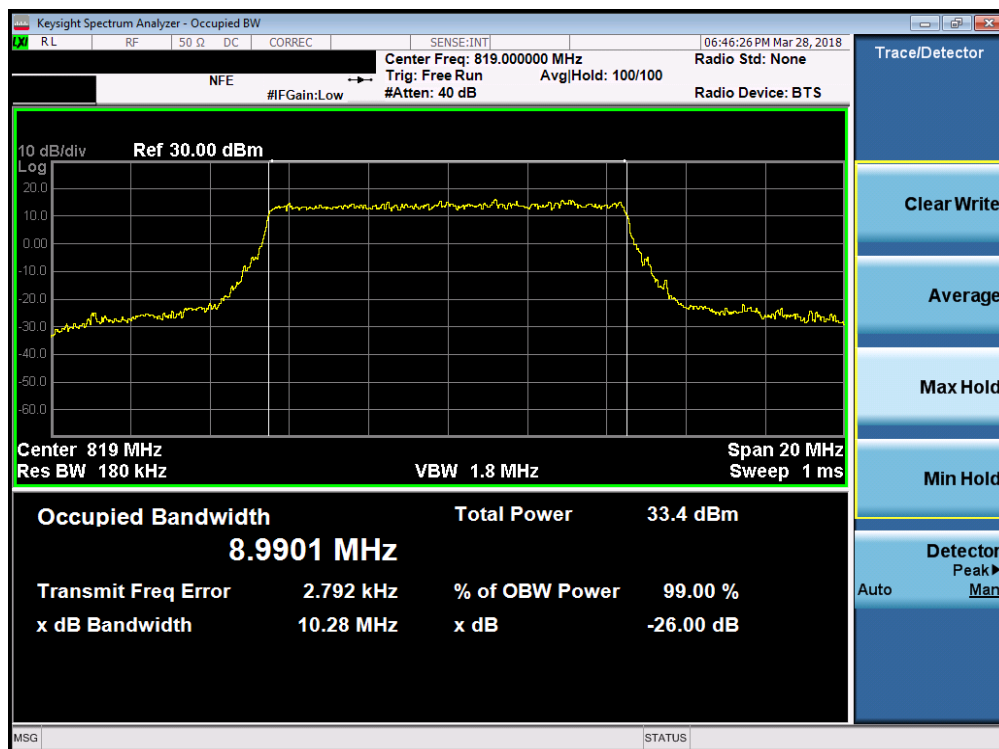


Plot 7-9. Occupied Bandwidth Plot (LTE Band 26 - 5MHz 16-QAM – RB Size 25– Low Channel)

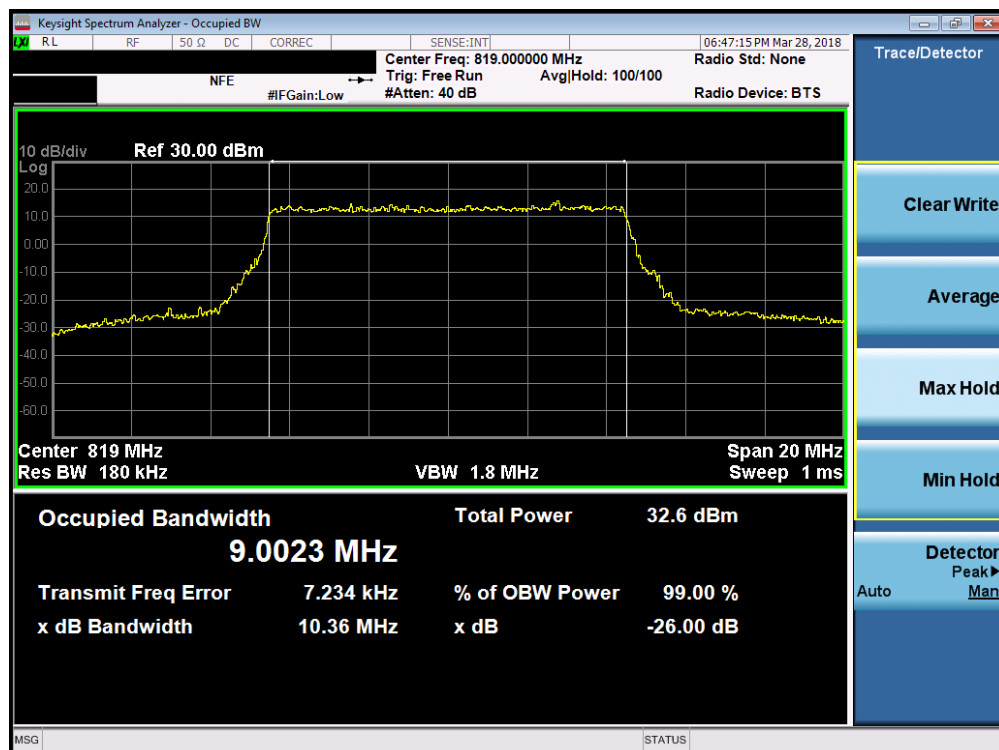


Plot 7-10. Occupied Bandwidth Plot (LTE Band 26 - 5MHz 64-QAM – RB Size 25– Low Channel)

FCC ID: ZNFG710VM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1.ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 16 of 46



Plot 7-11. Occupied Bandwidth Plot (LTE Band 26 - 10MHz QPSK – RB Size 50)

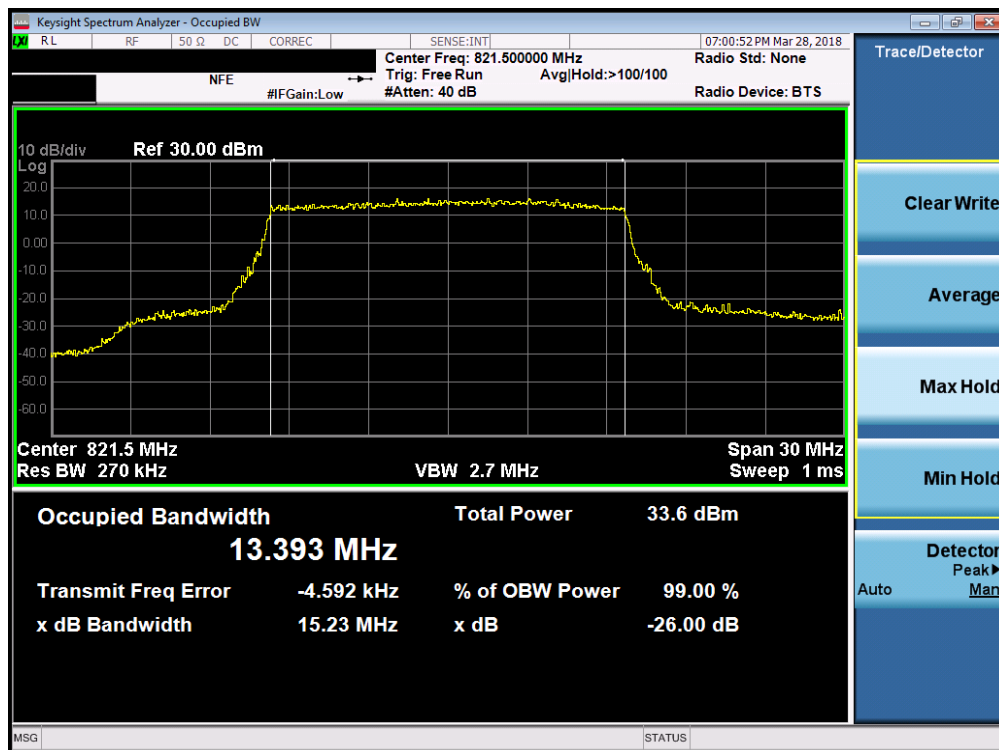


Plot 7-12. Occupied Bandwidth Plot (LTE Band 26 - 10MHz 16-QAM – RB Size 50)

FCC ID: ZNFG710VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1-ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 17 of 46

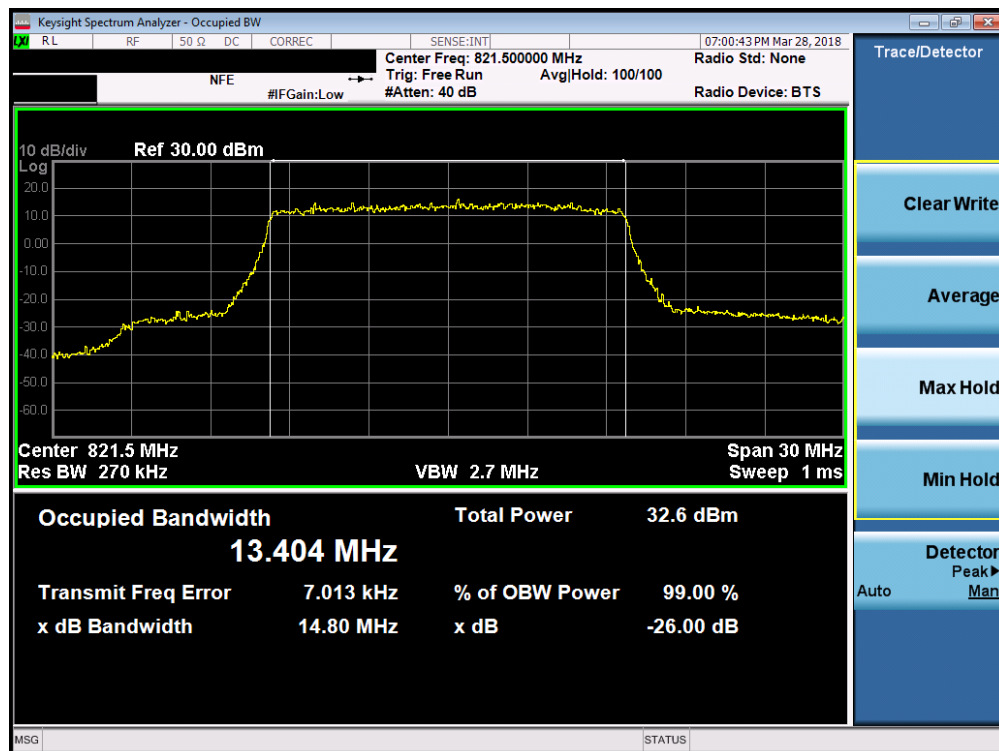


Plot 7-13. Occupied Bandwidth Plot (LTE Band 26 - 10MHz 64-QAM – RB Size 50)

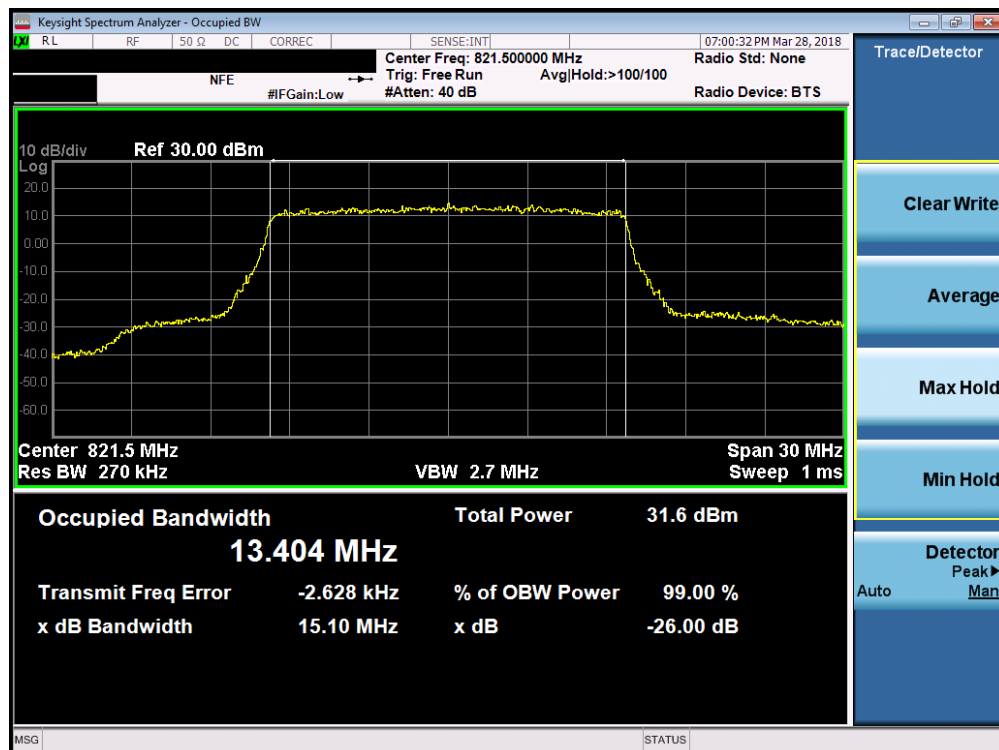


Plot 7-14. Occupied Bandwidth Plot (LTE Band 26 - 15MHz QPSK – RB Size 75)

FCC ID: ZNFG710VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1-ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 18 of 46



Plot 7-15. Occupied Bandwidth Plot (LTE Band 26 - 15MHz 16-QAM – RB Size 75)



Plot 7-16. Occupied Bandwidth Plot (LTE Band 26 - 15MHz 64-QAM – RB Size 75)

FCC ID: ZNFG710VM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1-ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 19 of 46

7.3 Spurious and Harmonic Emissions at Antenna Terminal

§2.1051 §90.691

Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03 – Section 6.0

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 10GHz (separated into at least two plots per channel)
2. RBW $\geq$ 1MHz
3. VBW $\geq$ 3 x RBW
4. Detector = RMS
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

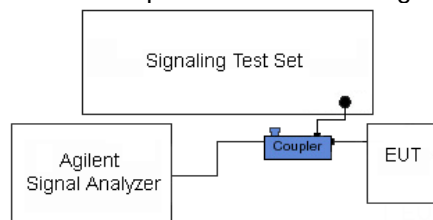
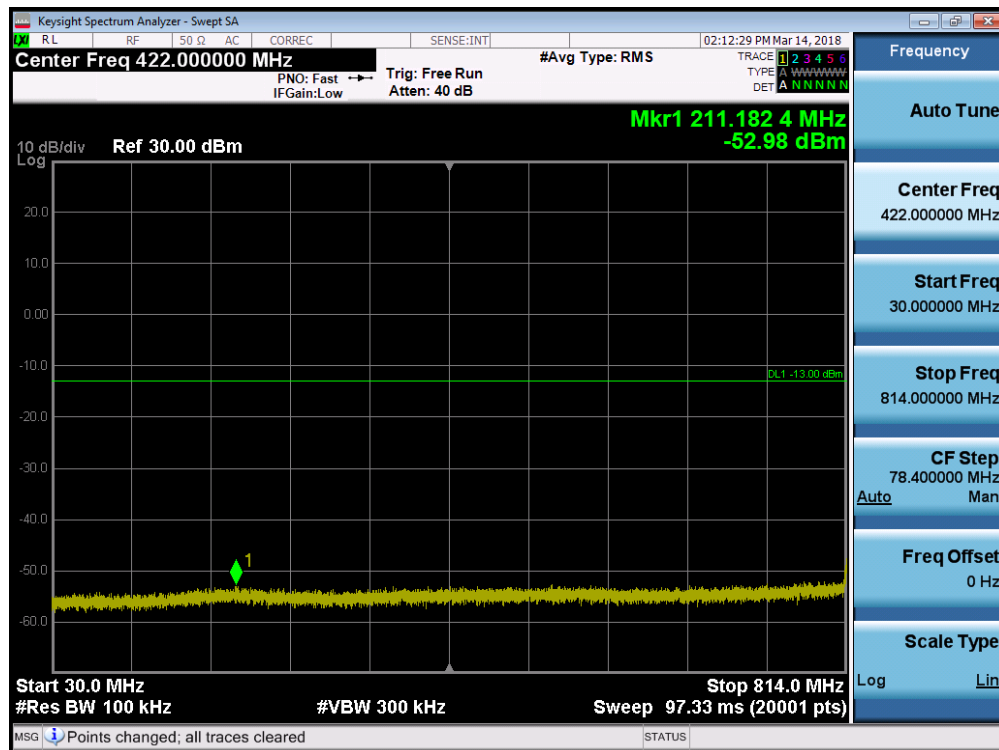


Figure 7-2. Test Instrument & Measurement Setup

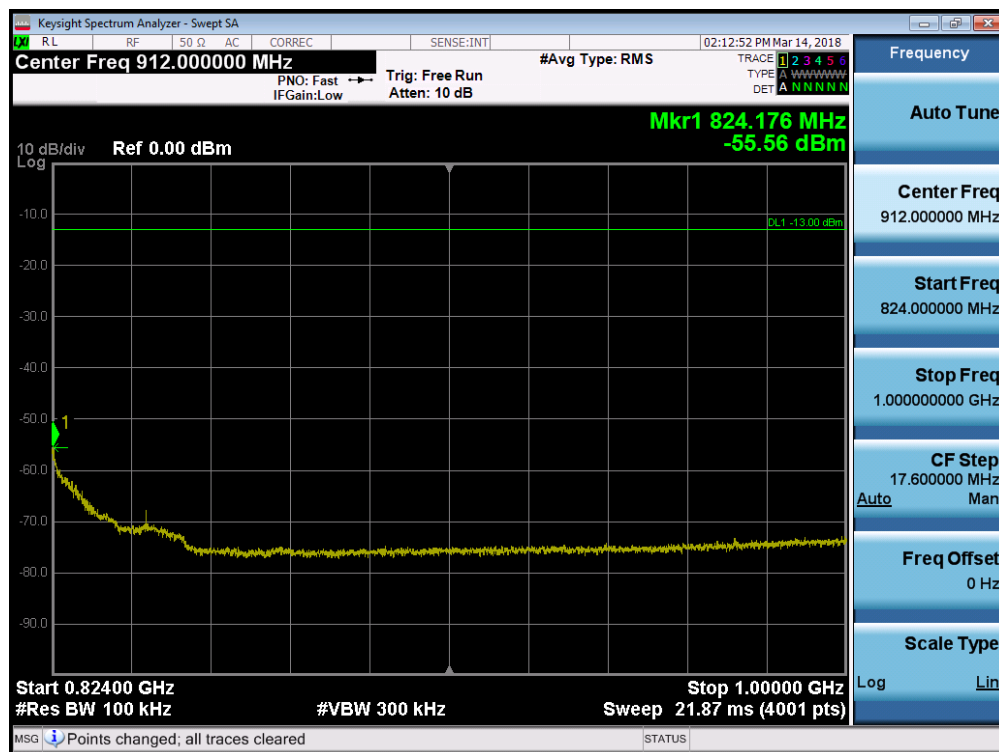
Test Notes

Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for Part 22. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

FCC ID: ZNFG710VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1.ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 20 of 46

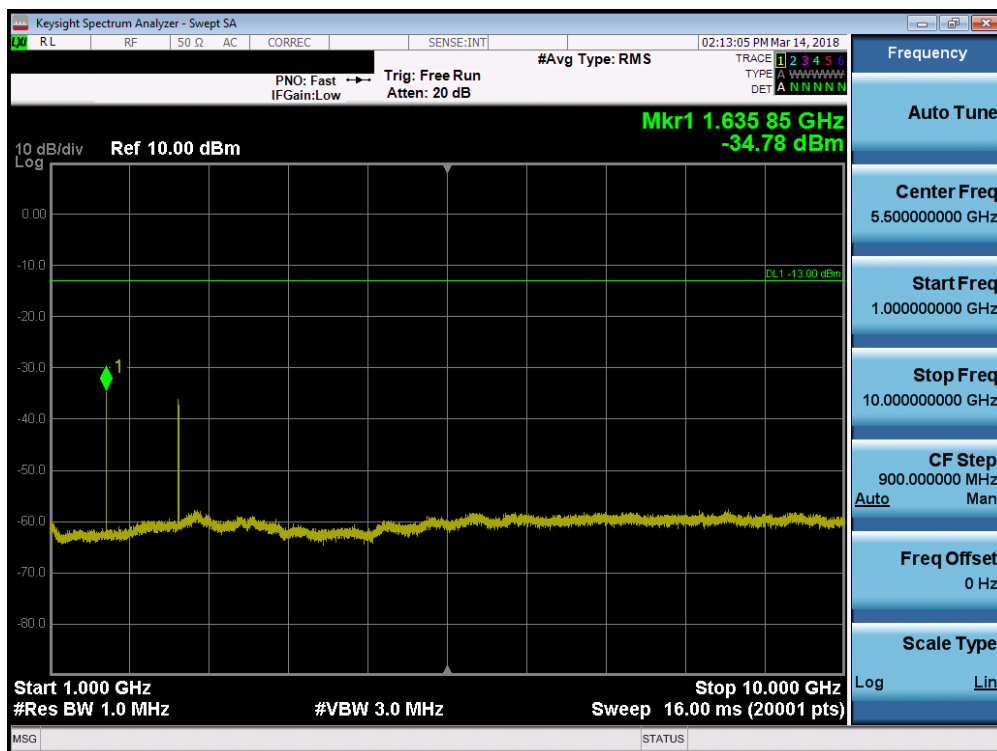


Plot 7-17. Conducted Spurious Plot (CDMA - Ch. 476)

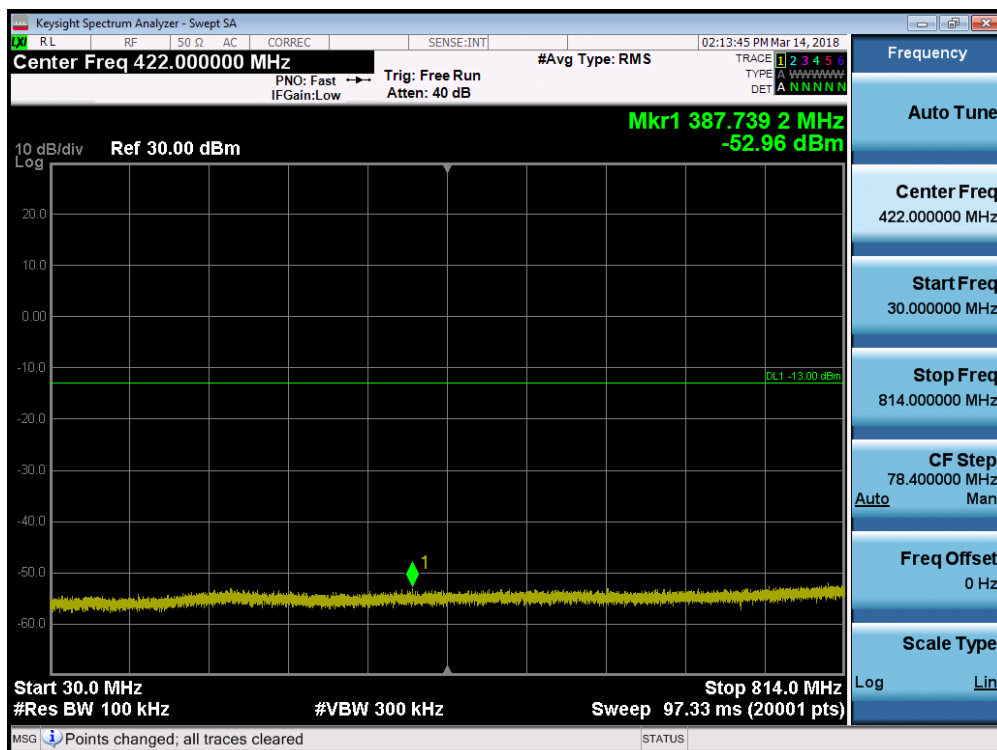


Plot 7-18. Conducted Spurious Plot (CDMA - Ch. 476)

FCC ID: ZNFG710VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1.ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 21 of 46

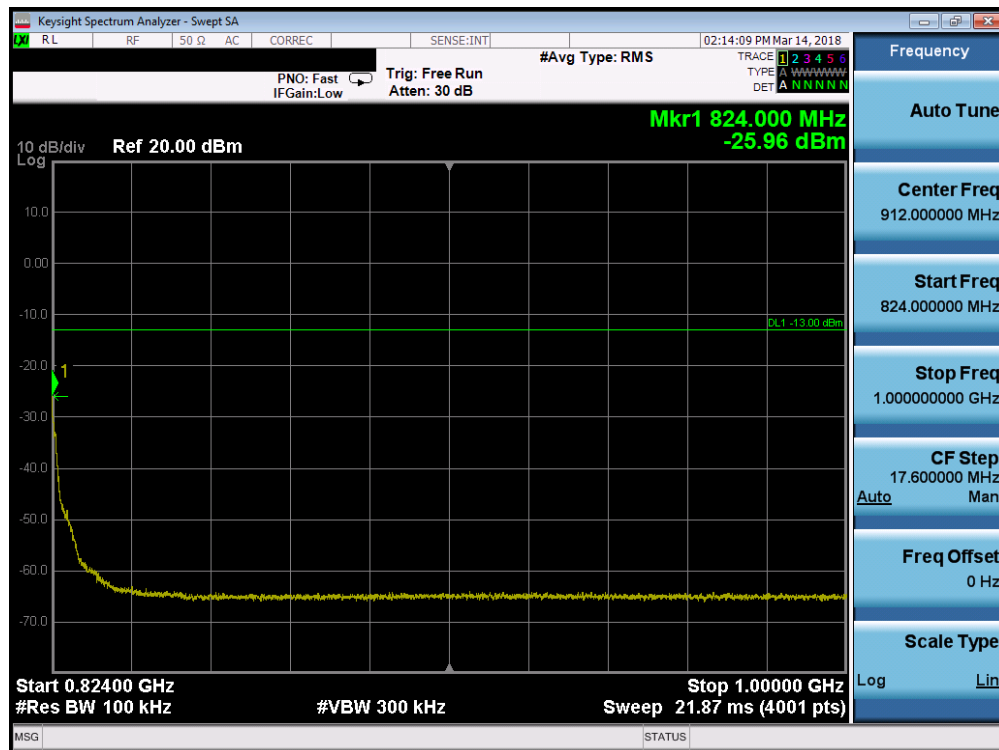


Plot 7-19. Conducted Spurious Plot (CDMA - Ch. 476)

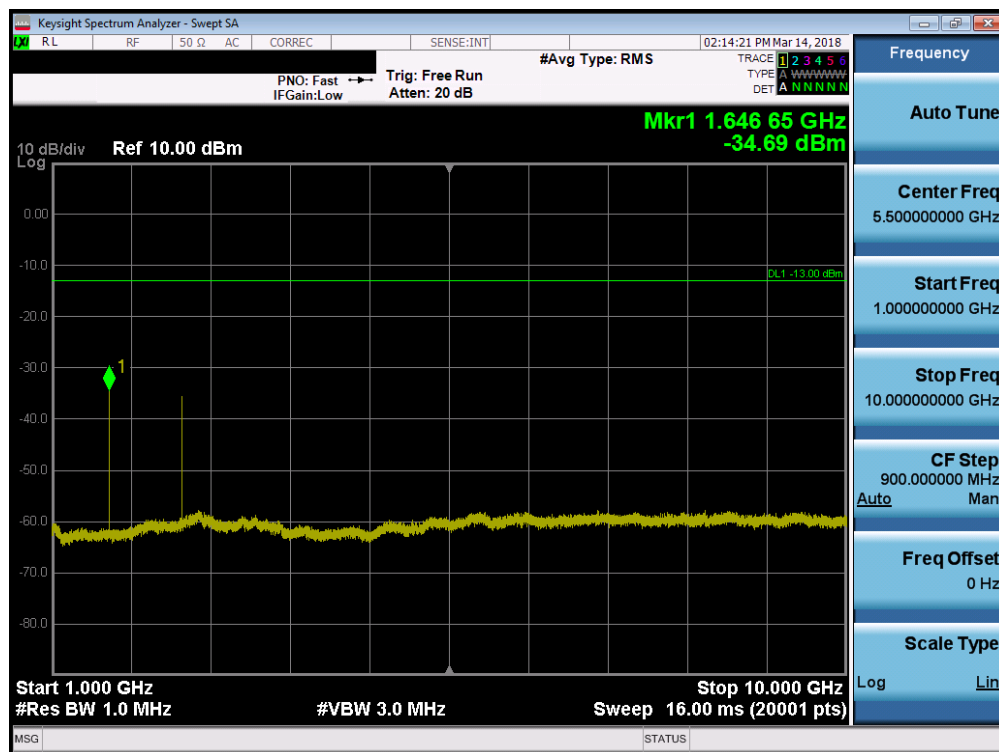


Plot 7-20. Conducted Spurious Plot (CDMA - Ch. 684)

FCC ID: ZNFG710VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1.ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 22 of 46

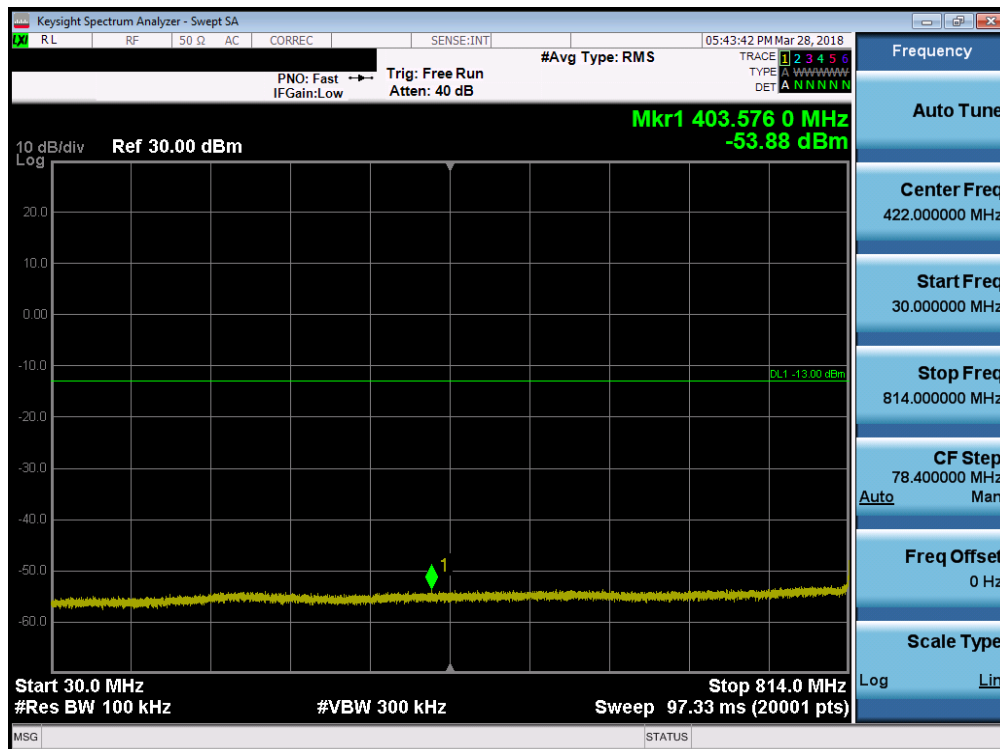


Plot 7-21. Conducted Spurious Plot (CDMA - Ch. 684)

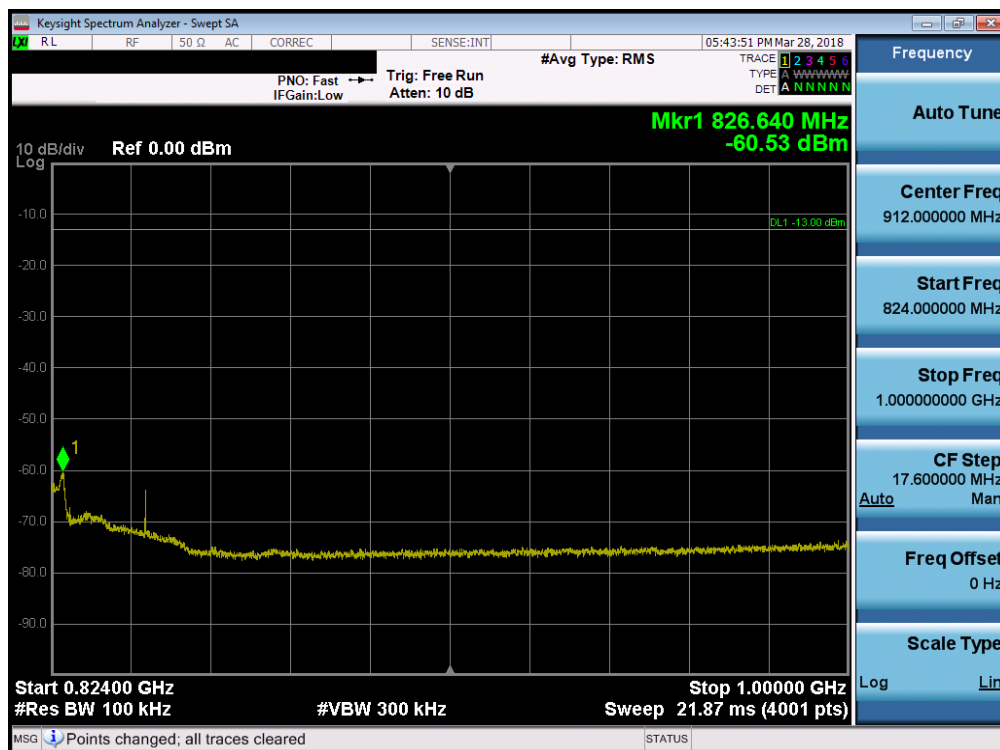


Plot 7-22. Conducted Spurious Plot (CDMA - Ch. 684)

FCC ID: ZNFG710VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1.ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 23 of 46

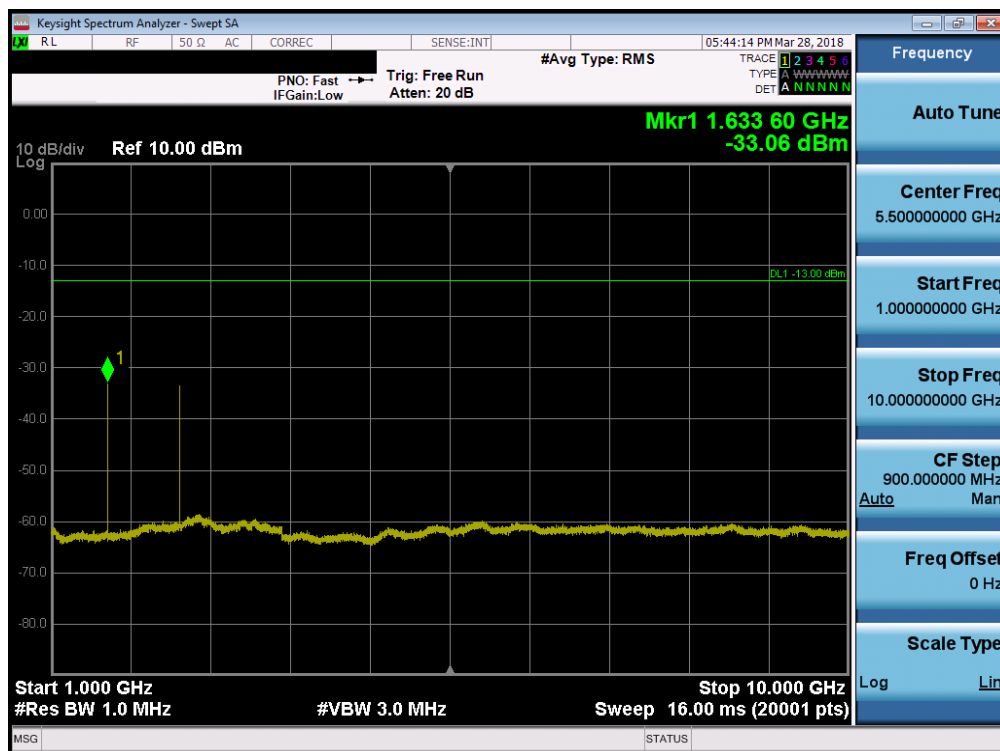


Plot 7-23. Conducted Spurious Plot (LTE Band 26 - 5 MHz QPSK – RB Size 1, RB Offset 0 – Low Channel)



Plot 7-24. Conducted Spurious Plot (LTE Band 26 - 5 MHz QPSK – RB Size 1, RB Offset 0 – Low Channel)

FCC ID: ZNFG710VM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1.ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 24 of 46

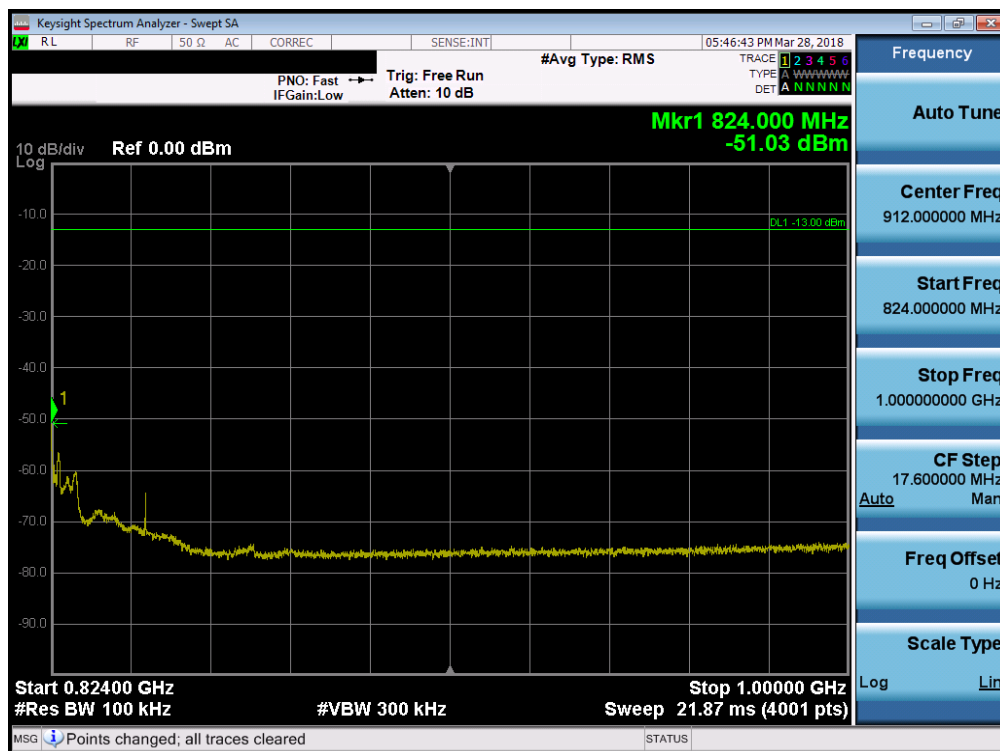


Plot 7-25. Conducted Spurious Plot (LTE Band 26 - 5 MHz QPSK – RB Size 1, RB Offset 0 – Low Channel)

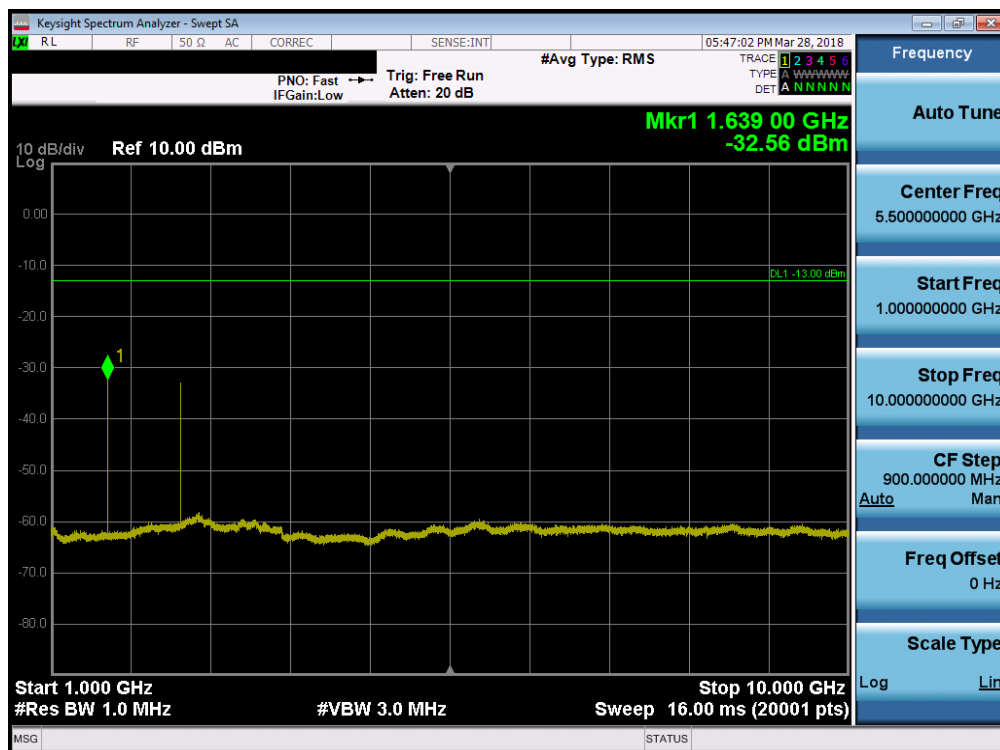


Plot 7-26. Conducted Spurious Plot (LTE Band 26 - 5 MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: ZNFG710VM	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	LG	Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1.ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 25 of 46



Plot 7-27. Conducted Spurious Plot (LTE Band 26 - 5 MHz QPSK – RB Size 1, RB Offset 0 – High Channel)



Plot 7-28. Conducted Spurious Plot (LTE Band 26 - 5 MHz QPSK – RB Size 1, RB Offset 0 – High Channel)

FCC ID: ZNFG710VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1.ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 26 of 46

7.4 Band Edge Emissions at Antenna Terminal

§2.1051 §90.691

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

The minimum permissible attenuation level of any spurious emission removed from the EA licensee's frequency block by greater than 37.5 kHz is $43 + \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

The minimum permissible attenuation level of any spurious emission removed from the EA licensee's frequency block by up to and including 37.5 kHz is $50 + 10 \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03 – Section 6.0

Test Settings

1. Span was set large enough so as to capture all out of band emissions near the band edge
2. RBW = 100 kHz
3. VBW = 300 kHz
4. Detector = RMS
5. Trace mode = trace average
6. Sweep time = auto couple
7. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

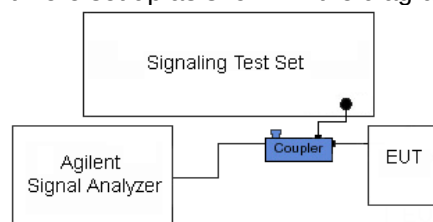


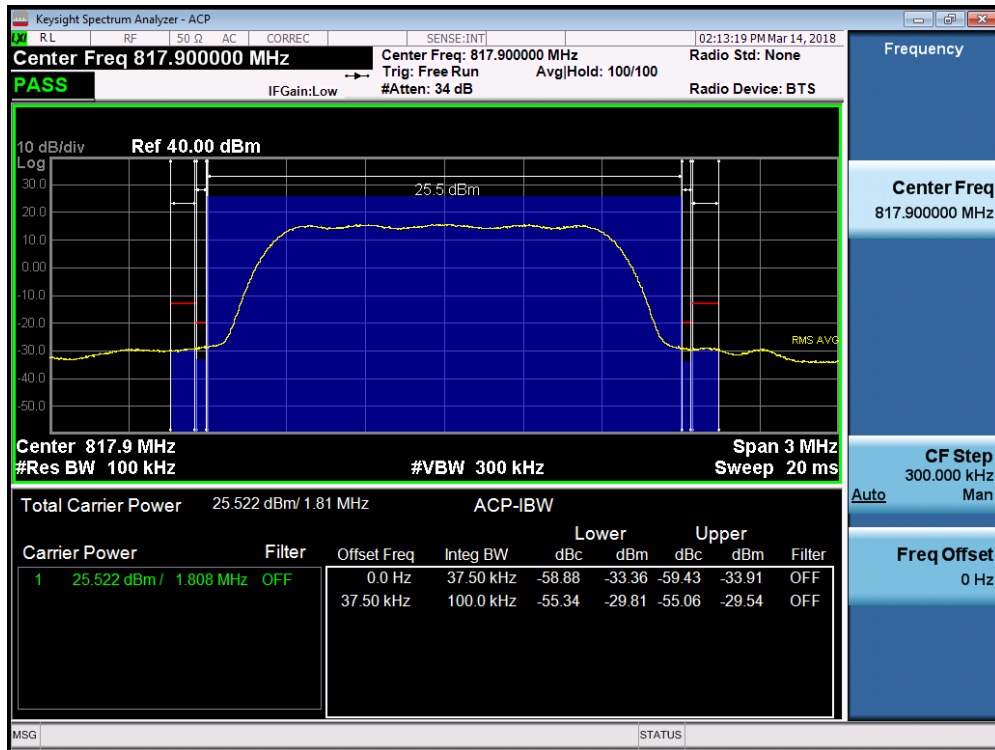
Figure 7-3. Test Instrument & Measurement Setup

Test Notes

For channel edge emission, the signal analyzer's "ACP" measurement capability is used.

Per 22.917(b) in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to demonstrate compliance with the out-of-band emissions limit. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

FCC ID: ZNFG710VM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
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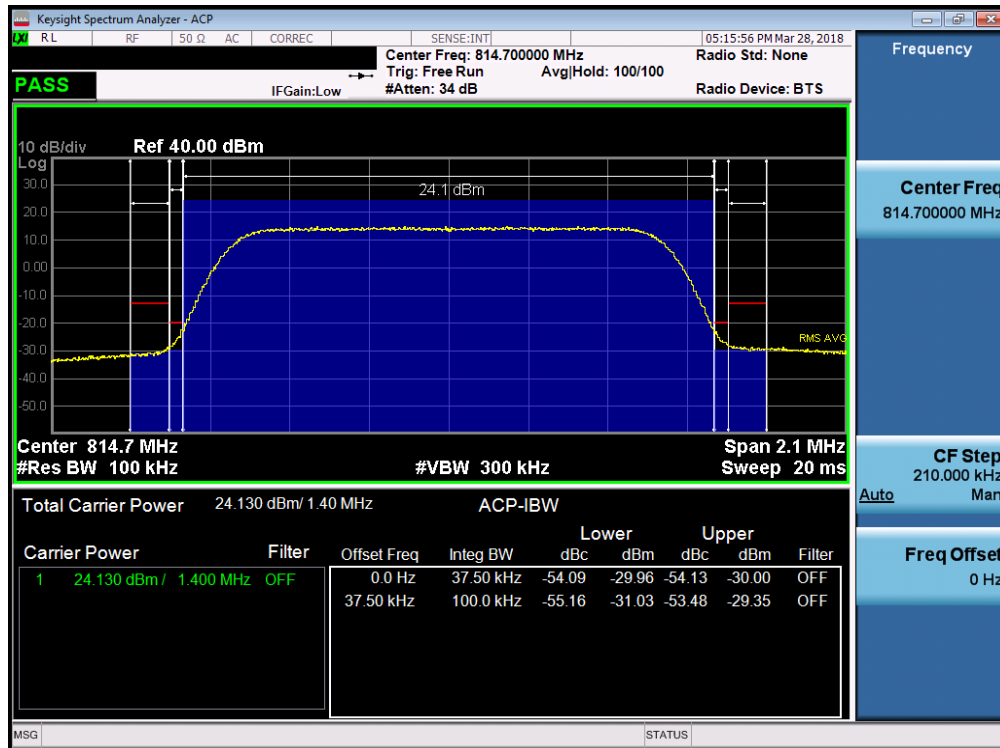


Plot 7-29. Channel Edge Plot (CDMA - Ch. 476)

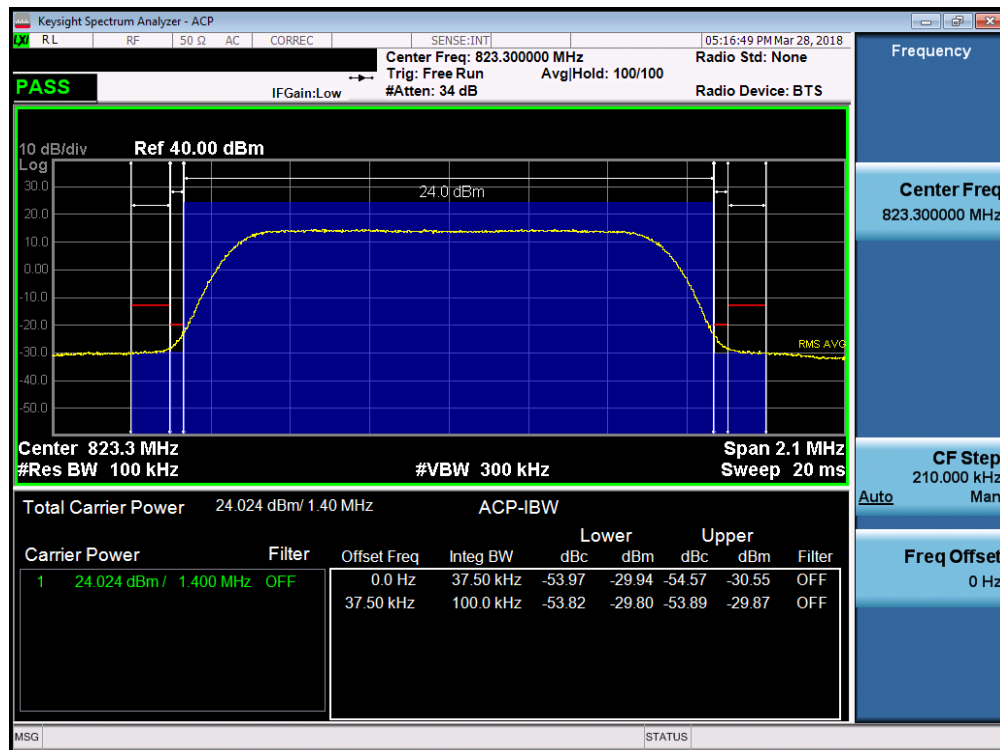


Plot 7-30. Channel Edge Plot (CDMA - Ch. 684)

FCC ID: ZNFG710VM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1-ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 28 of 46

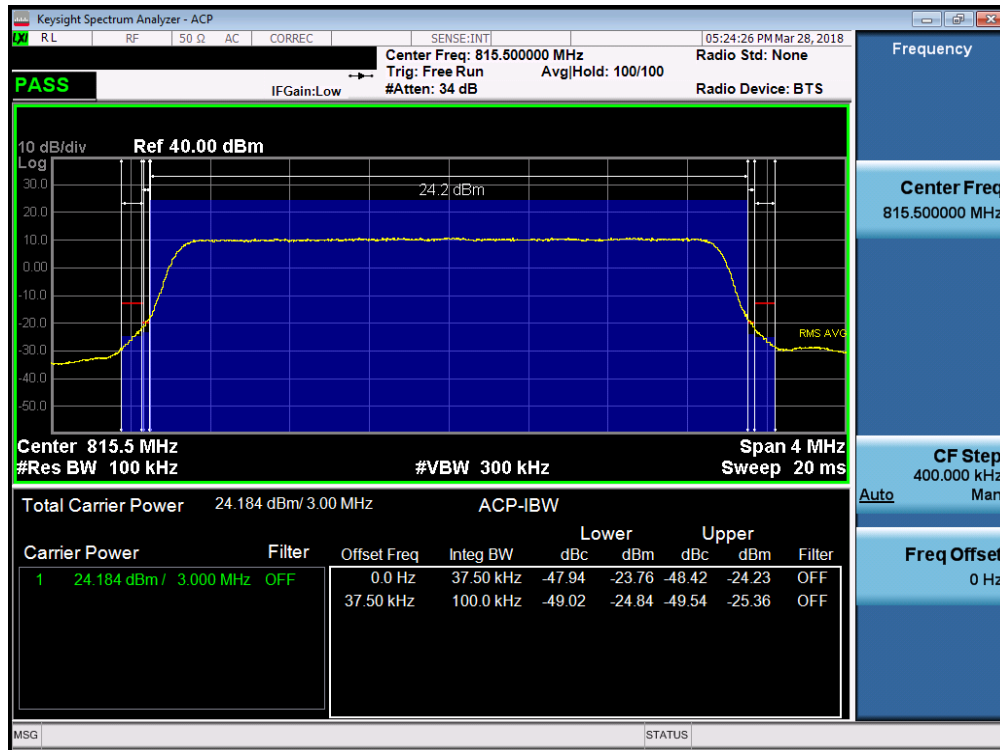


Plot 7-31. Channel Edge Plot (LTE Band 26 - 1.4MHz QPSK – RB Size 6– Low Channel)

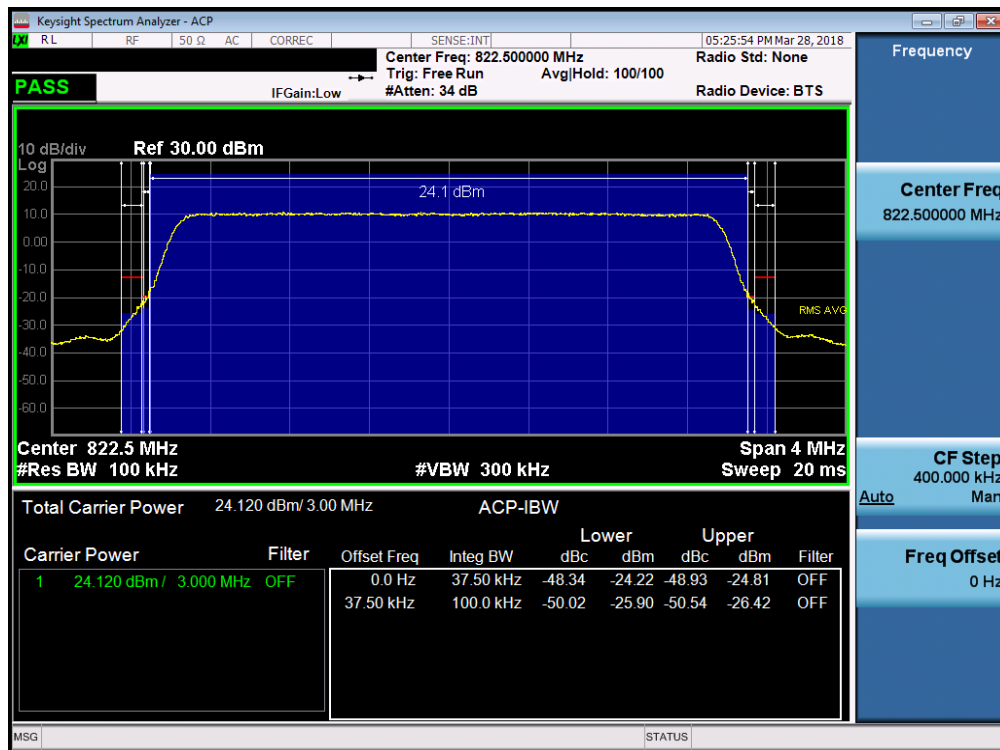


Plot 7-32. Channel Edge Plot (LTE Band 26 - 1.4MHz QPSK – RB Size 6 – High Channel)

FCC ID: ZNFG710VM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1-ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 29 of 46

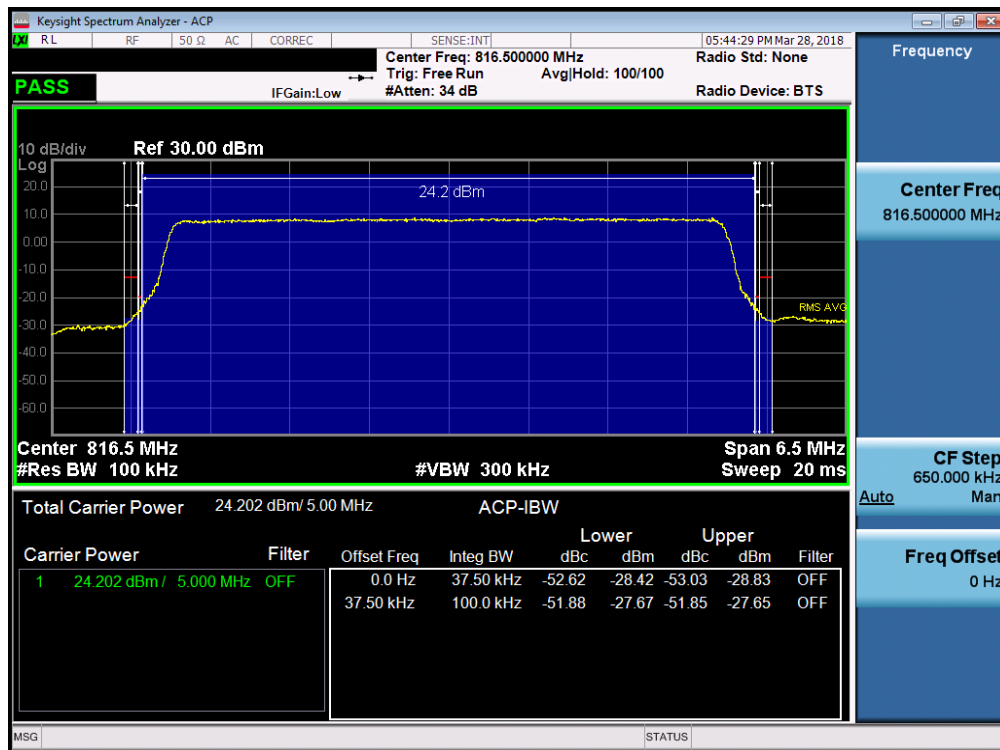


Plot 7-33. Channel Edge Plot (LTE Band 26 - 3MHz QPSK – RB Size 15– Low Channel)

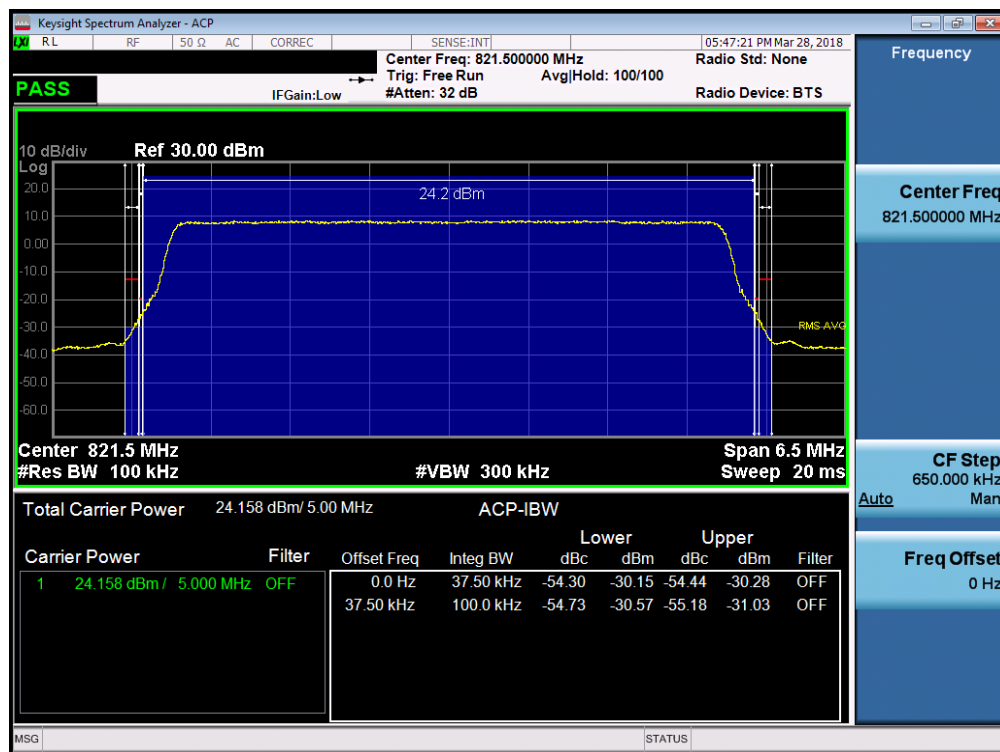


Plot 7-34. Channel Edge Plot (LTE Band 26 - 3MHz QPSK – RB Size 15 – High Channel)

FCC ID: ZNFG710VM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1.ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 30 of 46

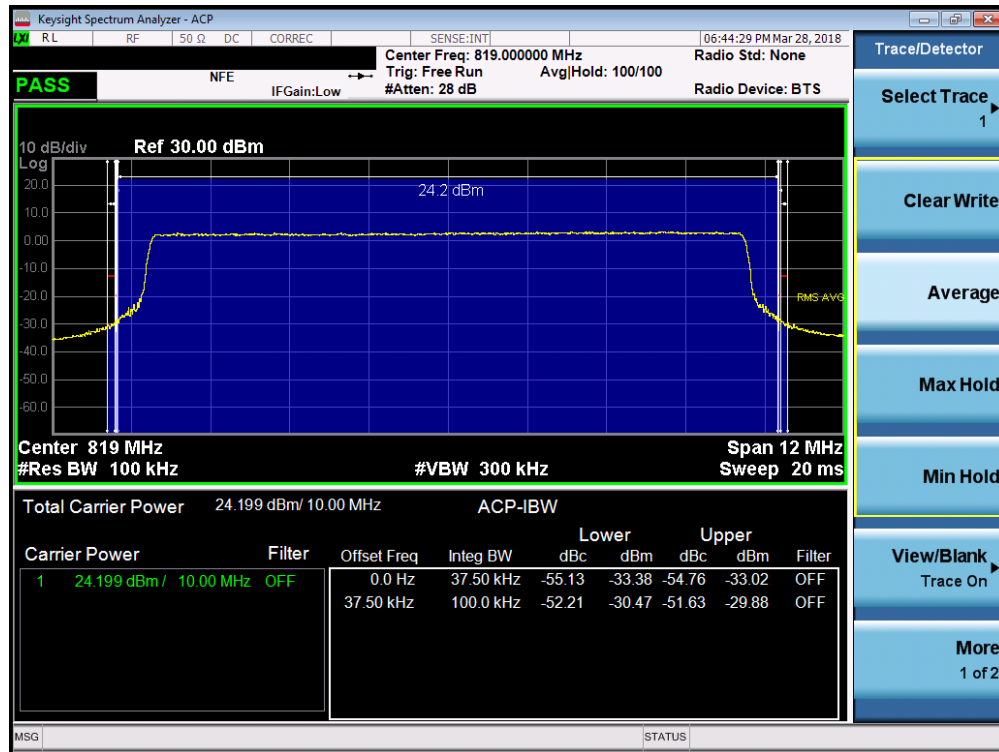


Plot 7-35. Channel Edge Plot (LTE Band 26 - 5MHz QPSK – RB Size 25– Low Channel)

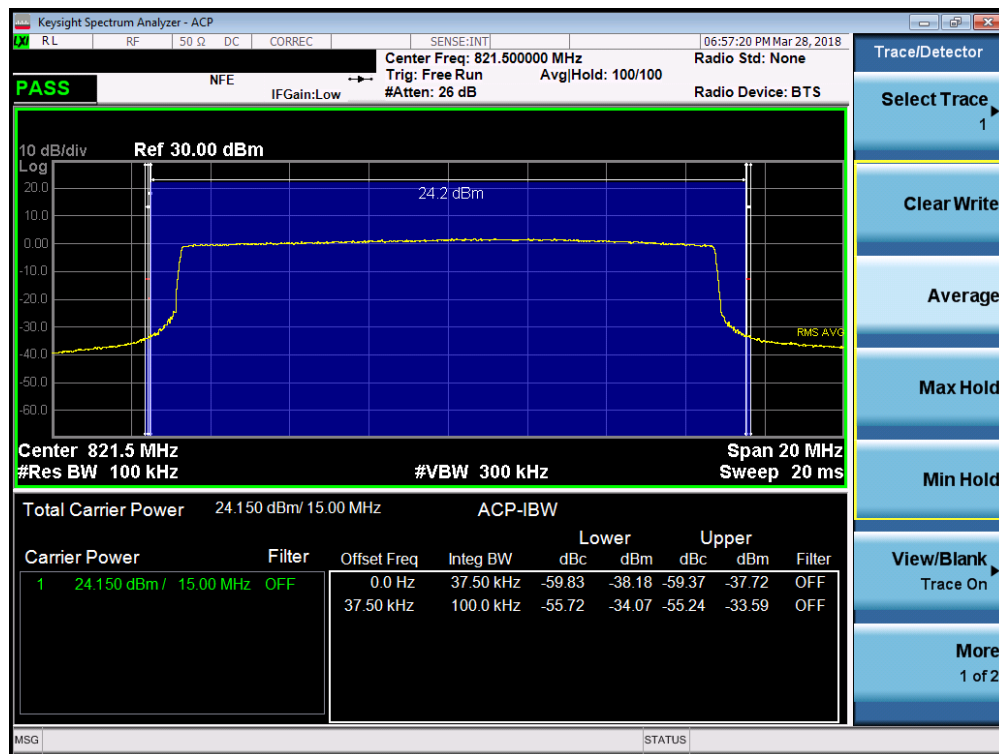


Plot 7-36. Channel Edge Plot (LTE Band 26 - 5MHz QPSK – RB Size 25 – High Channel)

FCC ID: ZNFG710VM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
Test Report S/N: 1M1802260032-09-R1-ZNF	Test Dates: 2/26 - 3/29/2018	EUT Type: Portable Handset		Page 31 of 46



Plot 7-37. Channel Edge Plot (LTE Band 26 - 10MHz QPSK – RB Size 50)



Plot 7-38. Channel Edge Plot (LTE Band 26 - 15MHz QPSK – RB Size 75)

FCC ID: ZNFG710VM	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Quality Manager
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7.5 Conducted Power Output Data

\$90.635

Frequency [MHz]	BC10 [Channel]	Battery Type	Cond. PWR [dBm]	Cond. PWR [Watts]	Cond. PWR Limit [dBm]	Margin [dB]
817.90	476	Standard	25.33	0.341	50.00	-24.67
823.10	684	Standard	25.35	0.343	50.00	-24.65

Table 7-2. CDMA BC10 Conducted Power Output Data

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	Cond. PWR [dBm]	Cond. PWR [Watts]	Cond. PWR Limit [dBm]	Margin [dB]
814.70	1.4	QPSK	25.32	0.340	50.00	-24.68
823.30	1.4	QPSK	25.27	0.337	50.00	-24.73
814.70	1.4	16-QAM	24.26	0.267	50.00	-25.74
823.30	1.4	16-QAM	24.29	0.269	50.00	-25.71
814.70	1.4	64-QAM	22.99	0.199	50.00	-27.01
823.30	1.4	64-QAM	23.02	0.200	50.00	-26.98
815.50	3	QPSK	25.35	0.343	50.00	-24.65
822.50	3	QPSK	25.38	0.345	50.00	-24.62
815.50	3	16-QAM	24.33	0.271	50.00	-25.67
822.50	3	16-QAM	24.32	0.270	50.00	-25.68
815.50	3	64-QAM	23.01	0.200	50.00	-26.99
822.50	3	64-QAM	22.97	0.198	50.00	-27.03
816.50	5	QPSK	25.36	0.344	50.00	-24.64
821.50	5	QPSK	25.31	0.340	50.00	-24.69
816.50	5	16-QAM	24.30	0.269	50.00	-25.70
821.50	5	16-QAM	24.27	0.267	50.00	-25.73
816.50	5	64-QAM	23.05	0.202	50.00	-26.95
821.50	5	64-QAM	23.11	0.205	50.00	-26.89
819.00	10	QPSK	25.43	0.349	50.00	-24.57
819.00	10	16-QAM	24.34	0.272	50.00	-25.66
819.00	10	64-QAM	23.34	0.216	50.00	-26.66
821.50	15	QPSK	25.39	0.346	50.00	-24.61
821.50	15	16-QAM	24.33	0.271	50.00	-25.67
821.50	15	64-QAM	23.03	0.201	50.00	-26.97

Table 7-3. LTE Band 26 Conducted Power Output Data

NOTES:

- For CDMA mode, this device was tested under all R.C.s and S.O.s and the worst case is reported with RC3/SO55 with "All Up" power control bits. For LTE mode, the device was tested under all modulations, RB sizes and offsets, and channel bandwidth configurations and the worst case emissions are reported with 1 RB.
- This unit was tested with its standard battery.

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7.6 Radiated Power (ERP)

§22.913(a.2)

Test Overview

Effective Radiated Power (ERP) measurements are performed using the substitution method described in ANSI/TIA-603-D-2010 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized tuned dipole antennas. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03 – Section 5.2.1

ANSI/TIA-603-D-2010 – Section 2.2.17

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

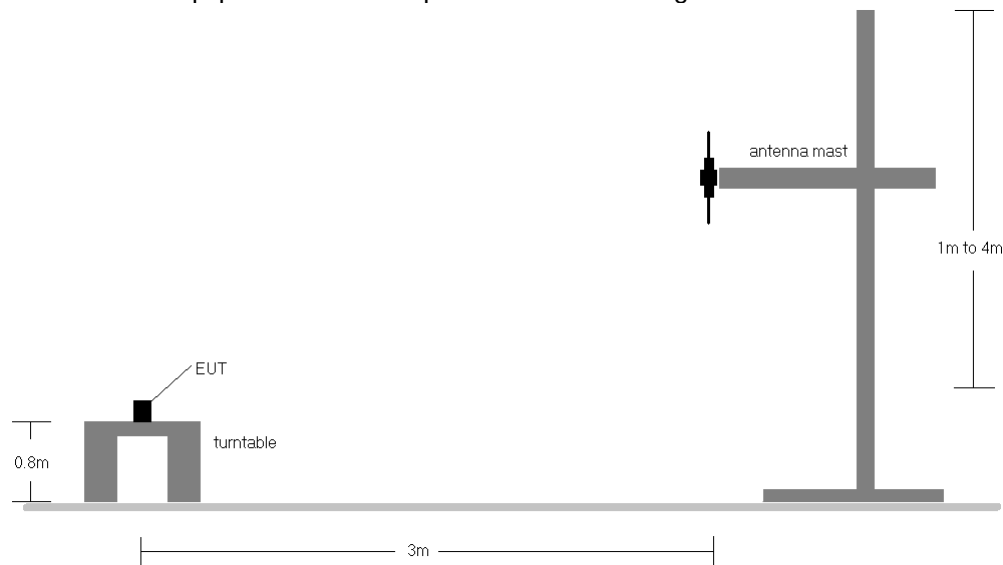


Figure 7-4. Radiated Test Setup <1GHz

Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	RB Size/Offset	Substitute Level [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
821.50	15	QPSK	H	150	280	1 / 0	15.95	1.49	15.29	0.034	38.45	-23.16
821.50	15	16-QAM	H	150	280	1 / 0	15.13	1.49	14.47	0.028	38.45	-23.98
821.50	15	64-QAM	H	150	280	1 / 0	14.21	1.49	13.55	0.023	38.45	-24.90
821.50	15 (WCP)	QPSK	H	150	126	1 / 0	15.58	1.49	14.92	0.031	38.45	-23.53

Table 7-39. ERP Data (LTE Band 26)

FCC ID: ZNFG710VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.7 Radiated Spurious Emissions Measurements

§2.1053 §90.691

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-D-2010 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03 – Section 5.8

ANSI/TIA-603-D-2010 – Section 2.2.12

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

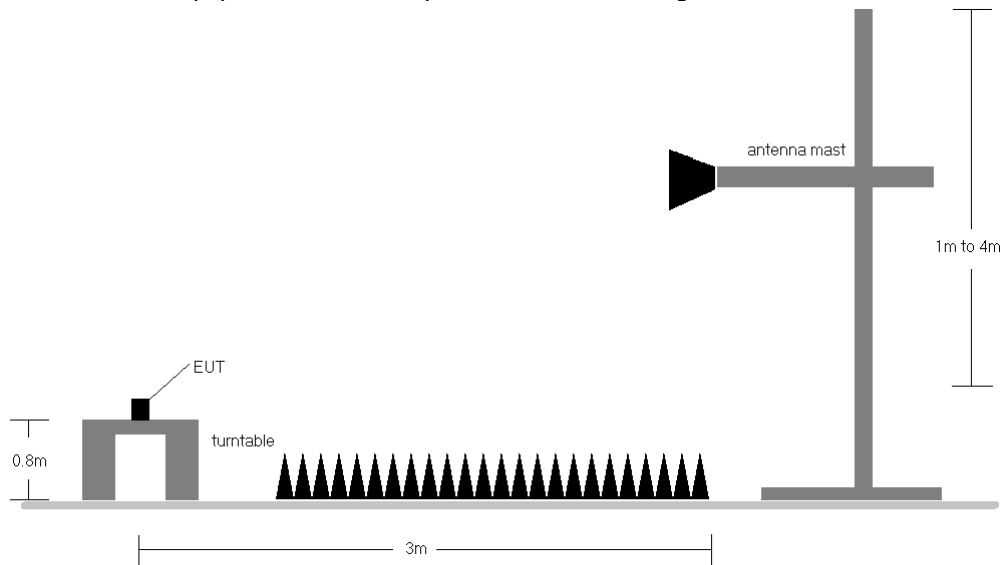


Figure 7-5. Test Instrument & Measurement Setup

Test Notes

1. For CDMA mode, this device was tested under all R.C.s and S.O.s and the worst case is reported with RC3/SO55 with "All Up" power control bits.
2. For LTE mode, the device was tested under all modulations, RB sizes and offsets, and channel bandwidth configurations and the worst case emissions are reported with 1 RB.
3. This unit was tested with its standard battery.
4. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.
5. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

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OPERATING FREQUENCY: 817.90 MHz
 CHANNEL: 476
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1635.80	H	-	-	-66.80	4.78	-62.02	-49.0
2453.70	H	150	109	-60.87	4.95	-55.93	-42.9
3271.60	H	-	-	-62.19	6.19	-56.00	-43.0

Table 7-4. CDMA BC10 Radiated Spurious Data (Ch. 476)

OPERATING FREQUENCY: 823.10 MHz
 CHANNEL: 684
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1646.20	H	-	-	-66.83	4.80	-62.02	-49.0
2469.30	H	150	120	-61.96	4.98	-56.97	-44.0
3292.40	H	-	-	-62.93	6.23	-56.69	-43.7

Table 7-5. CDMA BC10 Radiated Spurious Data (Ch. 684)

OPERATING FREQUENCY: 817.90 MHz
 CHANNEL: 476
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1646.20	H	-	-	-66.93	4.80	-62.12	-49.1
2469.30	H	150	244	-61.96	4.98	-56.97	-44.0
3292.40	H	-	-	-62.68	6.23	-56.44	-43.4

Table 7-6. CDMA BC10 Radiated Spurious Data with WCP (Ch. 476)

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OPERATING FREQUENCY: 819.00 MHz
 CHANNEL: 26740
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1638.00	H	150	290	-65.60	4.77	-60.83	-47.8
2457.00	H	150	286	-54.43	4.94	-49.48	-36.5
3276.00	H	-	-	-62.80	6.16	-56.64	-43.6

Table 7-7. LTE Band 26 - Radiated Spurious Data (Ch. 26697)

OPERATING FREQUENCY: 819.00 MHz
 CHANNEL: 26740
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1638.00	H	150	274	-65.11	4.81	-60.30	-47.3
2457.00	H	150	279	-52.84	4.98	-47.86	-34.9
3276.00	H	-	-	-62.47	6.24	-56.23	-43.2

Table 7-8. LTE Band 26 - Radiated Spurious Data (Ch. 26783)

FCC ID: ZNFG710VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY: 819.00 MHz
 CHANNEL: 26740
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 DISTANCE: 3 meters
 LIMIT: -13.00 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1638.00	H	150	144	-66.54	4.81	-61.73	-48.7
2457.00	H	150	176	-60.52	4.98	-55.54	-42.5
3276.00	H	-	-	-62.99	6.24	-56.75	-43.8

Table 7-9. LTE Band 26 - Radiated Spurious Data with WCP (Ch. 26740)

FCC ID: ZNFG710VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.8 Frequency Stability / Temperature Variation

§2.1055 §90.213

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-D-2010. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

Test Procedure Used

ANSI/TIA-603-D-2010

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

None

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Frequency Stability / Temperature Variation

§2.1055, §90.213

OPERATING FREQUENCY: 817,900,000 Hz
 CHANNEL: 476
 REFERENCE VOLTAGE: 3.80 VDC
 DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	+ 20 (Ref)	817,899,988	-12	-0.0000015
100 %		- 30	817,900,307	307	0.0000375
100 %		- 20	817,900,185	185	0.0000226
100 %		- 10	817,900,027	27	0.0000033
100 %		0	817,900,021	21	0.0000026
100 %		+ 10	817,899,875	-125	-0.0000153
100 %		+ 20	817,899,967	-33	-0.0000040
100 %		+ 30	817,899,545	-455	-0.0000556
100 %		+ 40	817,899,839	-161	-0.0000197
100 %		+ 50	817,900,196	196	0.0000240
BATT. ENDPOINT	2.85	+ 20	817,900,201	201	0.0000246

Table 7-10. CDMA BC10 Frequency Stability Data (Ch. 476)

FCC ID: ZNFG710VM		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Frequency Stability / Temperature Variation

§2.1055, §90.213

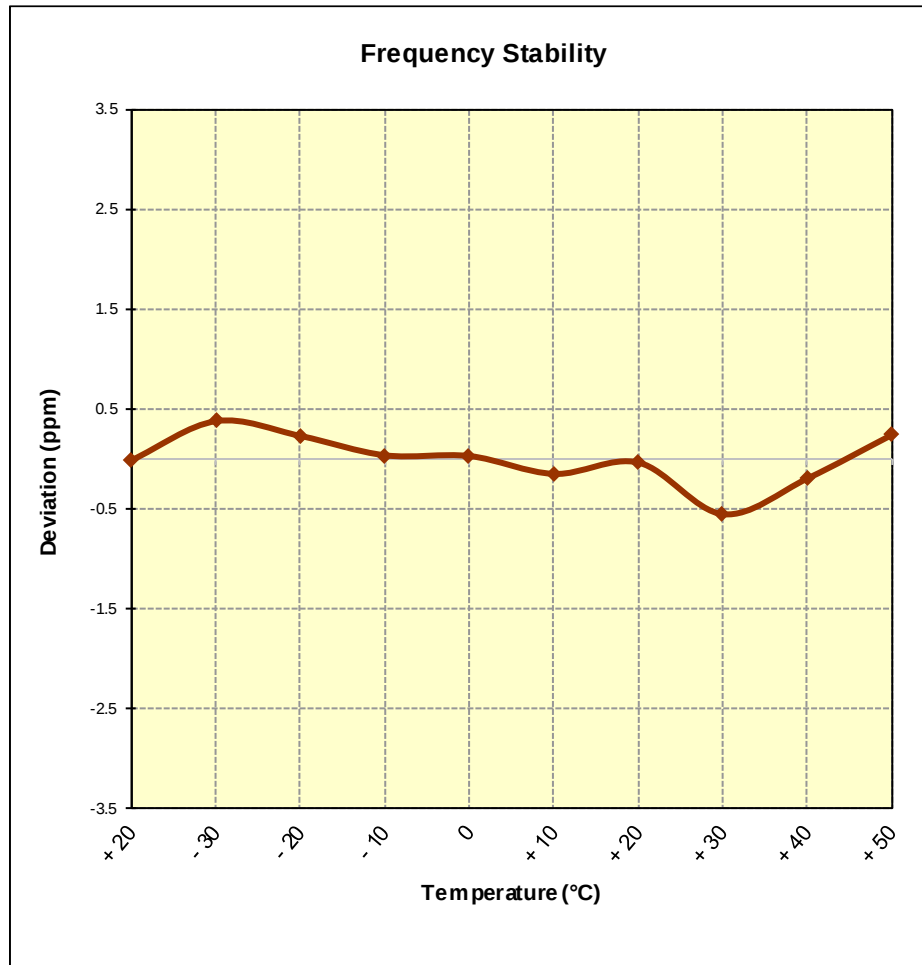


Figure 7-6. CDMA BC10 Frequency Stability Graph (Ch. 476)

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Frequency Stability / Temperature Variation

§2.1055, §90.213

OPERATING FREQUENCY: 819,000,000 Hz
 CHANNEL: 26740
 REFERENCE VOLTAGE: 3.80 VDC
 DEVIATION LIMIT: $\pm 0.00025\%$ or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	+ 20 (Ref)	818,999,916	-84	-0.0000103
100 %		- 30	819,000,074	74	0.0000090
100 %		- 20	819,000,112	112	0.0000137
100 %		- 10	818,999,892	-108	-0.0000132
100 %		0	819,000,388	388	0.0000474
100 %		+ 10	819,000,078	78	0.0000095
100 %		+ 20	818,999,911	-89	-0.0000109
100 %		+ 30	819,000,224	224	0.0000274
100 %		+ 40	819,000,003	3	0.0000004
100 %		+ 50	819,000,129	129	0.0000158
BATT. ENDPOINT	2.85	+ 20	818,999,856	-144	-0.0000176

Table 7-11. LTE Band 26 Frequency Stability Data (Ch. 26740)

FCC ID: ZNFG710VM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
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Frequency Stability / Temperature Variation

§2.1055, §90.213

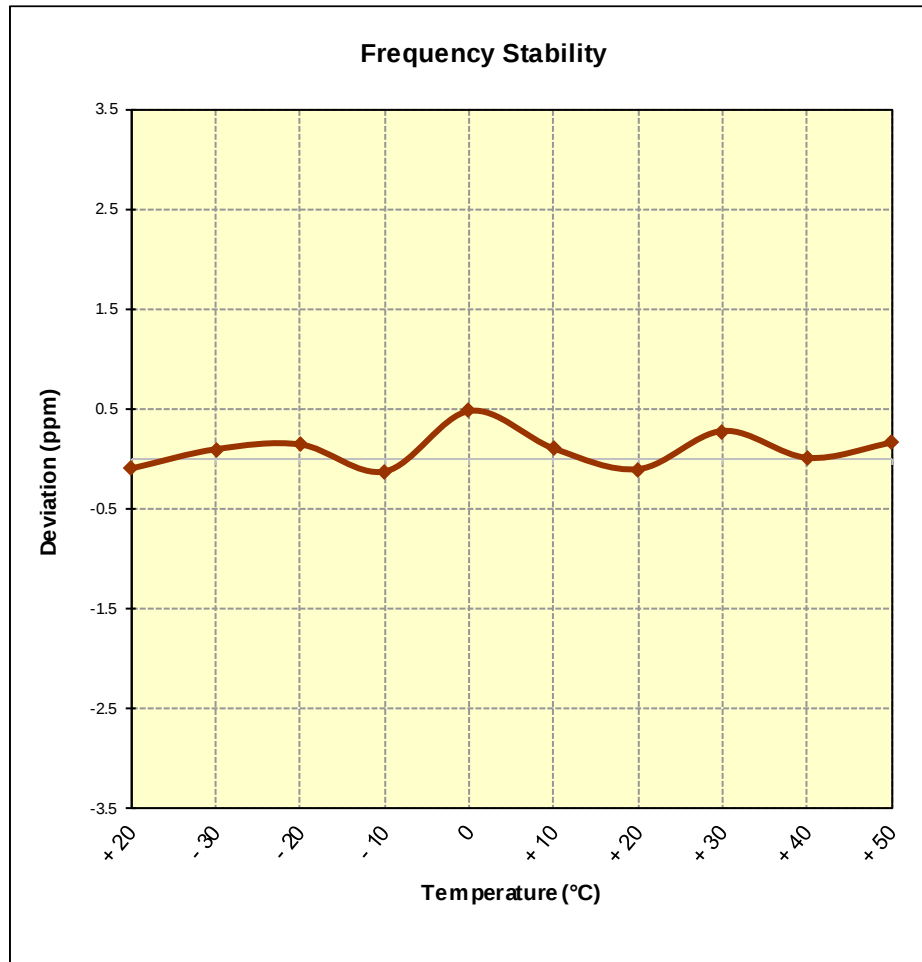


Table 7-12. LTE Band 26 Frequency Stability Data (Ch. 26740)

FCC ID: ZNFG710VM	 MEASUREMENT REPORT (CERTIFICATION) 		Approved by: Quality Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **LG Portable Handset FCC ID: ZNFG710VM** complies with all the requirements of Parts 22(H) and 90 of the FCC rules.

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