



America

**Choose certainty.
Add value.**

Report On

Application for Grant of Equipment Authorization of the
Nextivity Inc.

Cel-Fi DUOSmart Cellular Signal Booster

FCC CFR 47 Part 2 and Part 24
IC RSS-Gen and RSS-133

Report No. SD72112724-0116B Rev1.0

June 2016

FCC ID: NU: YETD32-21366NU
CU: YETD32-21366CU
IC: N/A
Report No. SD72112724-0116B Rev1.0





REPORT ON Radio Testing of the
Nextivity Inc.
Cel-Fi DUOSmart Cellular Signal Booster

TEST REPORT NUMBER SD72112724-0116B Rev1.0

PREPARED FOR Nextivity Inc.
11230 World Trade Drive, Suite 250
San Diego, CA 92128

CONTACT PERSON CK Li
Sr. Principal Engineer, Regulatory
(858) 829-1692
CLi@NextivityInc.com

PREPARED BY 
Xiaoying Zhang
Name
Authorized Signatory
Title: EMC/Wireless Test Engineer

APPROVED BY 
Juan M. Gonzalez
Name
Authorized Signatory
Title: Commercial Wireless EMC Lab Manager

DATED June 02, 2016

FCC ID: NU: YETD32-21366NU
 CU: YETD32-21366CU
 IC: N/A
 Report No. SD72112724-0116B Rev1.0



Revision History

SD72112724-0116B Rev1.0 Nextivity Inc. M/N D32-2/13/66 Cel-Fi DUOSmart Cellular Signal Booster					
DATE	OLD REVISION	NEW REVISION	REASON	PAGES AFFECTED	APPROVED BY
04/22/16	Initial Release				Juan M Gonzalez
06/02/2016	Initial Release	Rev1.0	Change 1.3.2 Capability to LTE (Band 2, 13 and 4)/UNII and BT LE		Juan M Gonzalez



CONTENTS

Section	Page No
1	REPORT SUMMARY..... 5
1.1	Introduction 6
1.2	Brief Summary of Results..... 7
1.3	Product Information 8
1.4	EUT Test Configuration 11
1.5	Deviations from the Standard..... 15
1.6	Modification Record 15
1.7	Test Methodology..... 15
1.8	Test Facility Location..... 15
1.9	Test Facility Registration..... 15
1.10	Sample Calculations 17
2	TEST DETAILS 18
2.1	Transmitter Conducted Output Power 19
2.2	Equivalent Isotropic Radiated Power..... 23
2.3	Occupied Bandwidth..... 25
2.4	Peak-Average Ratio..... 36
2.5	Band Edge 43
2.6	Conducted Spurious Emissions 52
2.7	Field Strength Of Spurious Radiation 57
2.8	Frequency Stability 72
2.9	Power Line Conducted Emissions 76
3	TEST EQUIPMENT USED 82
3.1	Test Equipment Used..... 83
3.2	Measurement Uncertainty 85
4	DIAGRAM OF TEST SETUP 87
4.1	Test Setup Diagram..... 88
5	ACCREDITATION, DISCLAIMERS AND COPYRIGHT 93
5.1	Accreditation, Disclaimers and Copyright..... 94

FCC ID: NU: YETD32-21366NU
CU: YETD32-21366CU
IC: N/A
Report No. SD72112724-0116B Rev1.0



SECTION 1

REPORT SUMMARY

Radio Testing of the
Nextivity Inc.
Cel-Fi DUO Smart Cellular Signal Booster



1.1 INTRODUCTION

The information contained in this report is intended to show verification of the Nextivity Inc. Smart Cellular Signal Booster to the requirements of the following:

- FCC CFR 47 Part 2 and Part 24
- IC RSS-Gen and RSS-133.

Objective	To perform Radio Testing to determine the Equipment Under Test's (EUT's) compliance with the Test Specification, for the series of tests carried out.
Manufacturer	Nextivity Inc.
Model Number(s)	D32-2/13/66
FCC ID	NU: YETD32-21366NU CU: YETD32-21366CU
IC Number	N/A (Manufacturer not seeking IC Certification at the time of verification)
Serial Number(s)	921550000015 (NU and CU)
Number of Samples Tested	2
Test Specification/Issue/Date	<ul style="list-style-type: none">• FCC CFR 47 Part 2 and Part 24 (October 1, 2015).• RSS-133 – 2 GHz Personal Communications Services (Issue 6, January 2013).• RSS-Gen - General Requirements and Information for the Certification of Radio Apparatus (Issue 4, November 2014).
Start of Test	January 07, 2016
Finish of Test	February 02, 2016
Name of Engineer(s)	Xiaoying Zhang
Related Document(s)	<ul style="list-style-type: none">• ANSI/TIA-603-C-2004 – Land Mobile FM or PM – Communications Equipment – Measurement and Performance Standards.• KDB971168 (D01 Power Meas License Digital Systems v02r02) Measurement Guidance For Certification Of Licensed Digital Transmitters• KDB412172 D01 Determining ERP and EIRP v01r01 (Guidelines for Determining the Effective Radiated Power (ERP) and Equivalent Isotropically Radiated Power (EIRP) of a RF Transmitting System.• Supporting documents for EUT certification are separate exhibits.



1.2 BRIEF SUMMARY OF RESULTS

A brief summary of the tests carried out in accordance with FCC CFR 47 Part 2 and Part 24 with cross-reference to the corresponding IC RSS standard is shown below.

Section	Spec Clause			Test Description	Result
	FCC Part 2	FCC Part 24	RSS-133		
2.1	2.1046	-	6.4	Transmitter Conducted Output Power	Compliant
2.2	-	24.232 (c)	6.4	Equivalent Isotropic Radiated Power	Compliant
2.3	2.1049	24.238 (b)	RSS-Gen 6.6	Occupied Bandwidth	Compliant
2.4	-	24.232 (d)	6.4	Peak-Average Ratio	Compliant
2.5	2.1051	24.238 (a)	6.5	Band Edge	Compliant
2.6	2.1051	24.238 (a)	6.5	Conducted Spurious Emissions	
2.7	2.1053	24.238 (a)	6.5	Field Strength Of Spurious Radiation	Compliant
2.8	2.1055	24.235	6.3	Frequency Stability	Compliant
-	-	-	6.6	Receiver Spurious Emissions	N/A
2.9	-	-	RSS-Gen 8.8	Power Line Conducted Emission	Compliant

N/A -Not applicable. EUT has no Stand-Alone receiver port



1.3 PRODUCT INFORMATION

1.3.1 Technical Description

The Equipment Under Test (EUT) was a Nextivity Inc. Cel-Fi DUOSmart Cellular Signal Booster. The EUT is a signal booster for indoor residential, small business and small enterprise use. It consists of two units: the Network Unit (NU), and the Coverage Unit (CU). NU and CU are shipped and sold as one unit. The NU transmits and receives Cellular signals from the base station and operates similar to a cellular handset. The CU transmits and receives signals with the cellular handset and operates on frequencies similar to the cellular base station. The NU and CU are connected wirelessly over a full-duplex wireless link in the UNII band using a mixed OFDM and muxed cellular signal over a 30 or 40 MHz channel in each direction. The CU also includes Bluetooth LE connectivity. With the use of smartphone application, it allows user to register the product, update software, capture/display details metrics of the system. NU does not support Bluetooth LE. The LTE Band 2 function of the EUT were verified in this test report.



1.3.2 EUT General Description

EUT Description	Smart Cellular Signal Booster
Model Name	Cel-Fi DUO
Model Number(s)	D32-2/13/66
Rated Voltage	12VDC via external AC/DC adapter
Mode Verified	LTE Band 2
Frequency Range	NU: 1850 MHz – 1910 MHz CU: 1930 MHz – 1990 MHz
Capability	LTE (Band 2, 13 and 4)/UNII and BT LE
Primary Unit (EUT)	<input type="checkbox"/> Production <input checked="" type="checkbox"/> Pre-Production <input type="checkbox"/> Engineering
Manufacturer Declared Temperature Range	0°C to 40°C
Antenna Type	PCB PIFA
Manufacturer	Nextivity Inc.
Antenna Model	N/A

Maximum Antenna Gain	NU	CU
	2dBi	2dBi



1.3.3 Transmit Frequency Table

Mode	Channel Bandwidth (MHz)	Tx Frequency (MHz)	Emission Designator	EIRP	
				Max. Power (dBm)	Max. Power (W)
LTE Band 2 Downlink	5	1932.5 - 1987.5	4M34F9W 4M34W7D	11.88	0.02
	10	1935 - 1985	8M80F9W 8M80W7D	14.83	0.03
	15	1937.5 - 1982.5	13M6F9W 13M6W7D	16.02	0.04
	20	1940 - 1980	18M3F9W 18M3W7D	18.02	0.06
LTE Band 2 Uplink	5	1852.5 - 1907.5	4M31F9W 4M31W7D	23.70	0.23
	10	1855 - 1905	8M86F9W 8M86W7D	23.68	0.23
	15	1857.5 - 1902.5	13M6F9W 13M6W7D	23.24	0.21
	20	1860 - 1900	18M2F9W 18M2W7D	23.77	0.24



1.4 EUT TEST CONFIGURATION

1.4.1 Test Configuration Description

Test Configuration	Description
A	Downlink (CU TX). Input signal is applied to B2 antenna port of NU. Output is monitored from B2 Top antenna port of CU.
B	Uplink (NU TX). Input signal is applied to B2 antenna port of CU. Output is monitored from B2 Top antenna port of NU.
C	Radiated test setup. Downlink (CU TX). Input signal is applied to B2 antenna port of NU. B2 Top antenna port of CU is terminated with a 50Ω load.
D	Radiated test setup. Uplink (NU TX). Input signal is applied to B2 antenna port of CU. B2 Top antenna port of NU is terminated with a 50Ω load.

1.4.2 EUT Exercise Software

Manufacturer provided a configuration software (ConformanceTest.exe) running from a support laptop where both EUT are connected via USB.

1.4.3 Support Equipment and I/O cables

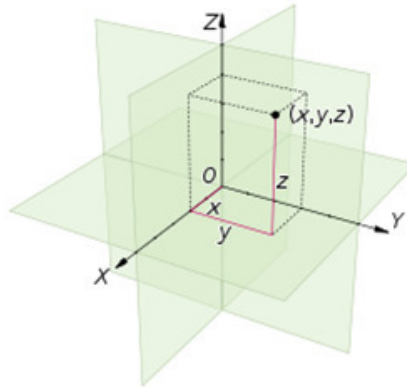
Manufacturer	Equipment/Cable	Description
Hon-Kwang	AC/DC Adapter (EUT)	M/N HK-AB-120A250-US P/N 290N025-001, 12VDC 2.5A
-	Support USB cable	1.75 meters, shielded Type A to Micro B connector
Nextivity	Support USB cable	Custom 1.0 meter shielded USB Type A to DB9 for the Shielded Test Enclosure
Sony	Support Laptop	M/N PCG-31311L S/N 27545534 3006488
Sony	Support Laptop AC Adapter	M/N PCGA-AC19V9 S/N 147839091 0023259
Rhode & Schwarz	Support Wideband Radio Communication Tester	M/N CMW500 S/N 1201.0002k50/103829
Mini-Circuits	Support Coaxial SMA Fixed Attenuator (x4)	M/N VAT-30W2 30dB DC-6GHz
Ramsey	Support Shielded Test Enclosure	M/N STE3300 S/N 3042 with custom USB cable and AC/DC Adapter

1.4.4 Worst Case Configuration

Worst-case configuration used in this test report per Transmitter Conducted Output Power (Section 2.1 of this test report). This is for single channel verification, otherwise all three channels (Low, Mid and High) are verified:

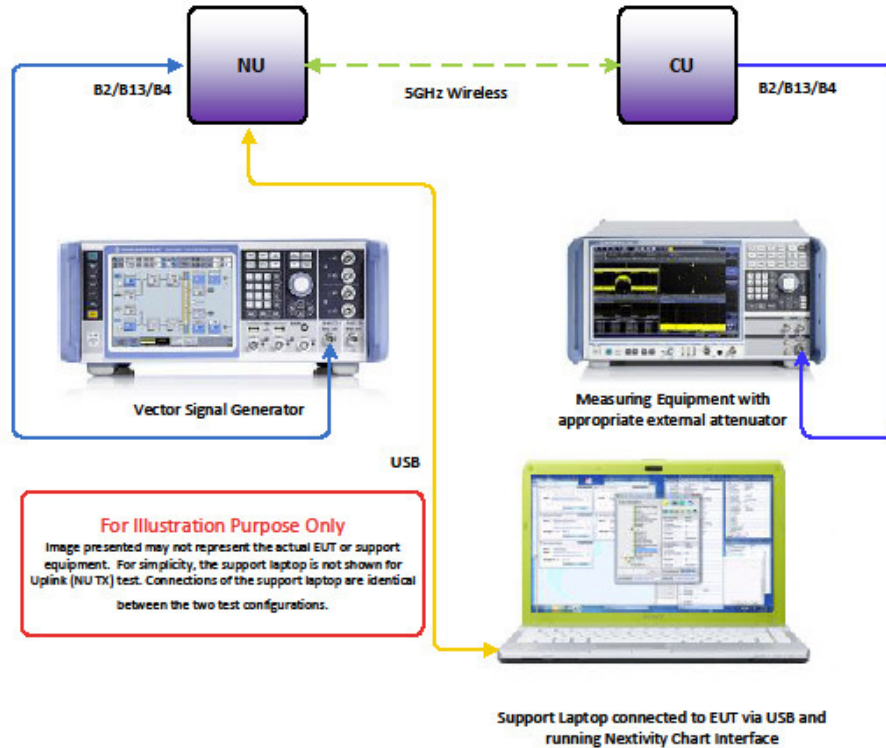
Mode	Bandwidth	Channel No.	Frequency
LTE Band 2 Downlink	20MHz	Mid Channel 900	1960MHz
LTE Band 2 Uplink	20MHz	High Channel 19100	1900MHz

EUT is a mobile device. Final installation position is unknown at the time of verification. For radiated measurements X, Y and Z orientations were verified. No major variation in emissions observed between the three (3) orientations. Verifications performed using "Z" configuration.

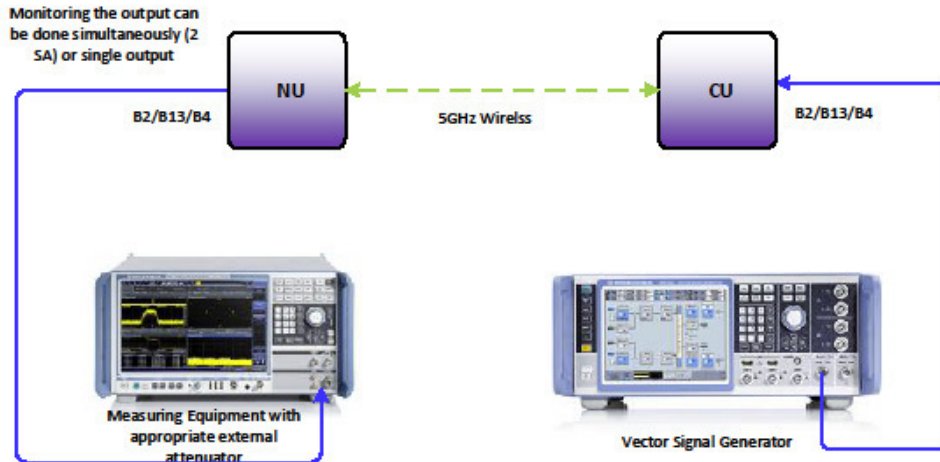


1.4.5 Simplified Test Configuration Diagram

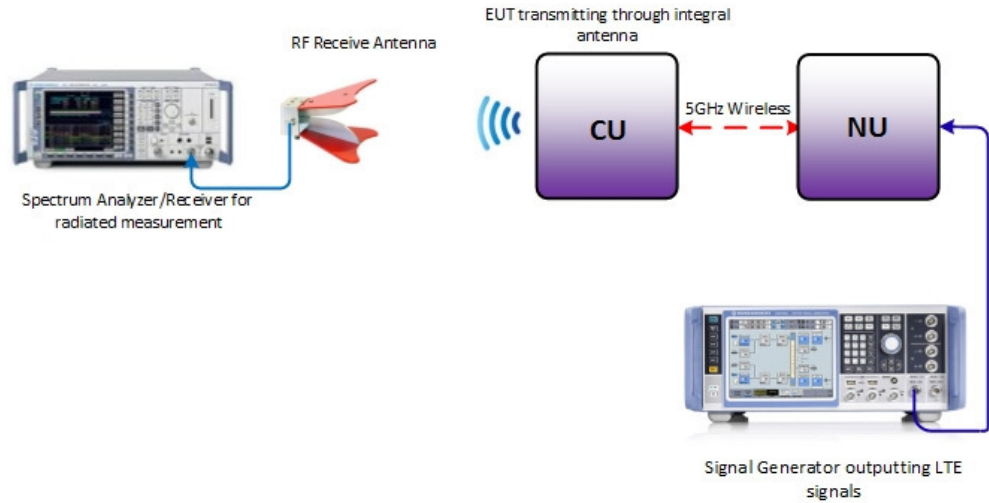
Downlink (CU Tx) Conducted Test



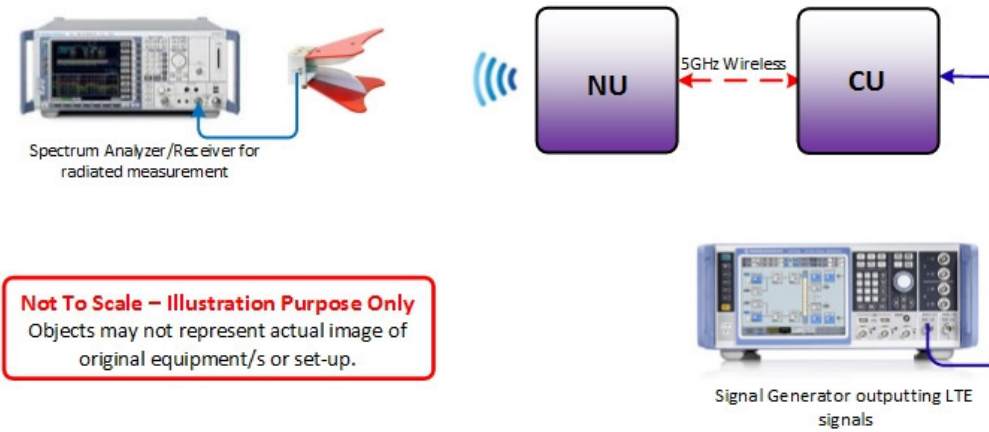
Uplink (NU Tx) Conducted Test



Radiated Testing (Downlink)



Radiated Testing (Uplink)



Not To Scale – Illustration Purpose Only
Objects may not represent actual image of original equipment/s or set-up.



1.5 DEVIATIONS FROM THE STANDARD

No deviations from the applicable test standards or test plan were made during testing.

1.6 MODIFICATION RECORD

Description of Modification	Modification Fitted By	Date Modification Fitted
Serial Number 921550000015 (NU and CU)		
N/A		

The table above details modifications made to the EUT during the test programme. The modifications incorporated during each test (if relevant) are recorded on the appropriate test pages.

1.7 TEST METHODOLOGY

All measurements contained in this report were conducted with ANSI C63.26 2015, American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services For conducted (if applicable) and radiated emissions the equipment under test (EUT) was configured to measure its highest possible emission level. This level was based on the maximized cable configuration from exploratory testing per ANSI C63.26-2015. The test modes were adapted according to the Operating Instructions provided by the manufacturer/client.

1.8 TEST FACILITY LOCATION

1.8.1 TÜV SÜD America Inc. (Mira Mesa)

10040 Mesa Rim Road, San Diego, CA 92121-2912 (32.901268,-117.177681). Phone: 858 678 1400 FAX: 858-546 0364

1.8.2 TÜV SÜD America Inc. (Rancho Bernardo)

Building #8, 16530 ViaEsprillo, San Diego, CA 92127-1708 (33.018644,-117.092409). Phone: 858 942 5542 Fax: 858 546 0364.

1.9 TEST FACILITY REGISTRATION

1.9.1 FCC – Registration No.: US1146

TUV SUD America Inc. (San Diego), is an accredited test facility with the site description report on file and has met all the requirements specified in §2.948 of the FCC rules. The acceptance letter from the FCC is maintained in our files and the Registration is US1146.

FCC ID: NU: YETD32-21366NU
CU: YETD32-21366CU
IC: N/A
Report No. SD72112724-0116B Rev1.0



1.9.2 Innovation, Science and Economic Development Canada Registration No.: 3067A

The 10m Semi-anechoic chamber of TÜV SÜD America Inc. (San Diego) has been registered by Certification and Engineering Bureau of Innovation, Science and Economic Development Canada for radio equipment testing with Registration No. 3067A.



1.10 SAMPLE CALCULATIONS

1.10.1 LTE Emission Designator

Emission Designator = 1M30F9W
 F = Frequency Modulation
 9= Composite Digital Info
 W = Combination (Audio/Data)

1.10.2 Spurious Radiated Emission (below 1GHz)

Measuring equipment raw measurement (dBµV/m) @ 30 MHz			24.4
Correction Factor (dB)	Asset# 1066 (cable)	0.3	-12.6
	Asset# 1172 (cable)	0.3	
	Asset# 1016 (preamplifier)	-30.7	
	Asset# 1175(cable)	0.3	
	Asset# 1002 (antenna)	17.2	
Reported QuasiPeak Final Measurement (dBµV/m) @ 30MHz			11.8

1.10.3 Spurious Radiated Emission – Substitution Method

Example = 84dBµV/m @ 1413 MHz (numerical sample only)

The field strength reading of 84dBµV/m @ 1413 MHz (2nd Harmonic of 706.5 MHz) is the maximized measurement when the EUT is on the turntable measured at 3 meters. The gain of the substituted antenna is 7.8dBi while the transmit cable loss is 1.0 dB (cable between signal generator and the substituted antenna). The signal generator level is adjusted until the 84dBµV/m level at the receiving end is replicated (identical test setup, i.e. same antenna, cable/s and preamp). If the adjusted signal generator level is -18dBm, then we have the following for both EIRP and ERP as required:

$$\begin{aligned}
 P_{EIRP} &= -18 \text{ dBm} + 7.8 \text{ dBi} - 1 \text{ dB} \\
 &= 11.2 \text{ dBm} \\
 P_{ERP} &= P_{EIRP} - 2.15 \text{ dB} \\
 &= 11.2 \text{ dBm} - 2.15 \text{ dB} \\
 &= 9.05 \text{ dBm}
 \end{aligned}$$

FCC ID: NU: YETD32-21366NU
CU: YETD32-21366CU
IC: N/A
Report No. SD72112724-0116B Rev1.0



SECTION 2

TEST DETAILS

Radio Testing of the
Nextivity Inc.
Cel-Fi DUOSmart Cellular Signal Booster



2.1 TRANSMITTER CONDUCTED OUTPUT POWER

2.1.1 Specification Reference

FCC 47 CFR Part 2, Clause 2.1046 (a) and (c)
RSS-133, Clause 6.4

2.1.2 Standard Applicable

(a) For transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in §2.1033(c)(8). The electrical characteristics of the radio frequency load attached to the output terminals when this test is made shall be stated.

(c) For measurements conducted pursuant to paragraphs (a) and (b) of this section, all calculations and methods used by the applicant for determining carrier power or peak envelope power, as appropriate, on the basis of measured power in the radio frequency load attached to the transmitter output terminals shall be shown. Under the test conditions specified, no components of the emission spectrum shall exceed the limits specified in the applicable rule parts as necessary for meeting occupied bandwidth or emission limitations.

2.1.3 Equipment Under Test and Modification State

Serial No: 921550000015 (NU and CU)/ Test Configuration A and B

2.1.4 Date of Test/Initial of test personnel who performed the test

January 07, 2016/XYZ

2.1.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.1.6 Environmental Conditions

Test performed at TÜV SÜD America Inc. Rancho Bernardo facility.

Ambient Temperature	22.6°C
Relative Humidity	46.4 %
ATM Pressure	98.8kPa



2.1.7 Additional Observations

- This is a conducted test using an average power meter.
- The path loss was measured and entered as a level offset.
- Both Peak and Average measurements presented.

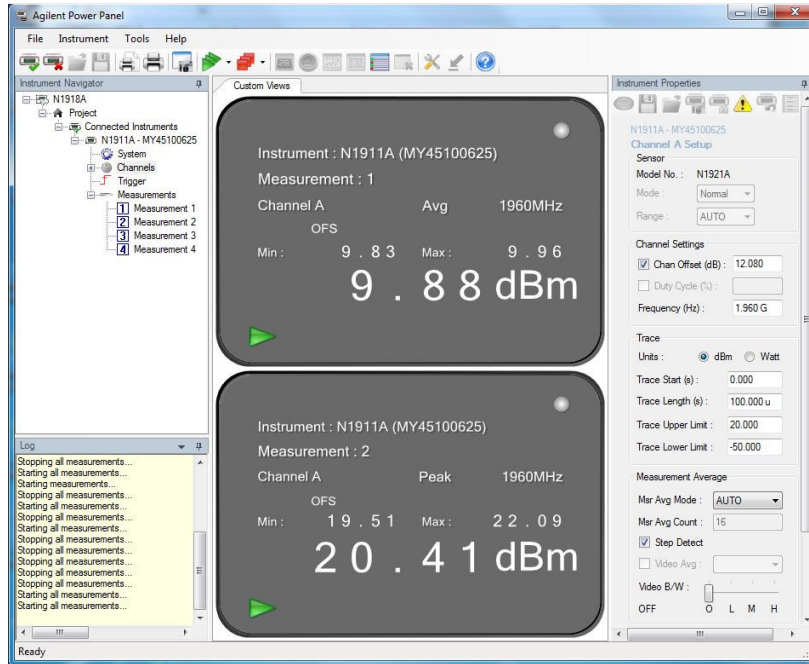
2.1.8 Test Results

<i>Downlink</i>					
Band	Bandwidth	Channel	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)
LTE Band 2	5MHz	625	1932.5	9.10	19.48
		900	1960	9.88	20.41
		1175	1987.5	9.26	19.61
	10MHz	650	1935	12.06	22.28
		900	1960	12.83	24.48
		1150	1985	11.59	23.95
	15MHz	675	1937.5	13.03	23.77
		900	1960	14.02	24.71
		1125	1982.5	12.60	23.40
	20MHz	700	1940	15.30	25.67
		900	1960	16.02	26.61
		1100	1980	15.17	25.07

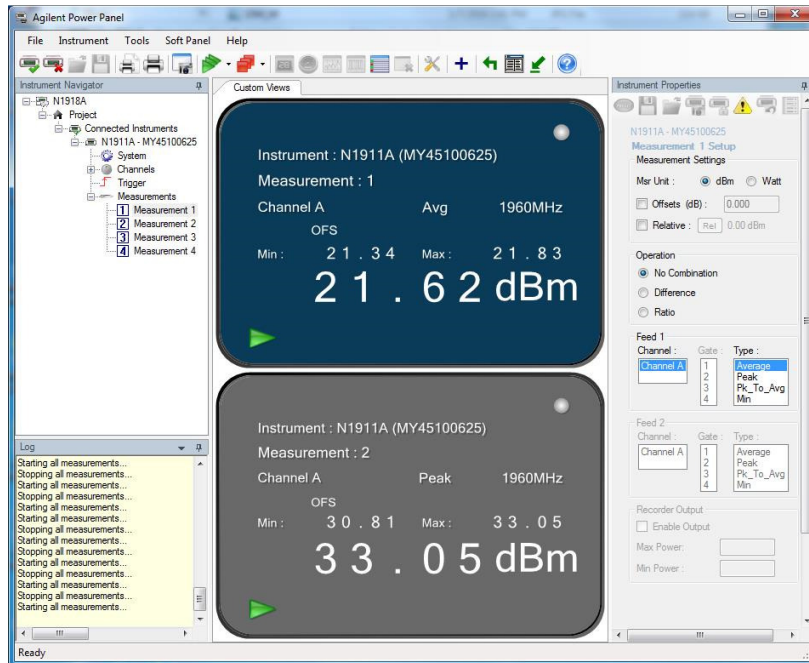


<i>Uplink</i>					
Band	Bandwidth	Channel	Frequency (MHz)	Average Power (dBm)	Peak Power (dBm)
LTE Band 2	5MHz	18625	1852.5	21.70	31.97
		18900	1880	21.62	33.05
		19175	1907.5	21.45	31.15
	10MHz	18650	1855	21.58	31.28
		18900	1880	21.56	31.38
		19150	1955	21.68	31.72
	15MHz	18675	1857.5	20.96	31.27
		18900	1880	21.18	31.53
		19125	1902.5	21.24	30.86
	20MHz	18700	1860	21.76	32.08
		18900	1880	21.59	31.71
		19100	1900	21.77	31.10

2.1.9 Sample Test Plot



LTE Band 2 DL 5MHz Bandwidth Mid Channel



LTE Band 2 UL 5MHz Bandwidth Mid Channel



2.2 EQUIVALENT ISOTROPIC RADIATED POWER

2.2.1 Specification Reference

FCC 47 CFR Part 24, Clause 24.232(c)
RSS-133, Clause 6.4

2.2.2 Standard Applicable

Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

2.2.3 Equipment Under Test and Modification State

Serial No: 921550000015 (NU and CU)

2.2.4 Date of Test/Initial of test personnel who performed the test

January 07, 2016/XYZ

2.2.5 Additional Observations

- EIRP was calculated as per Section 1.3.2 of KDB412172 D01 (Determining ERP and EIRP v01).
- Calculation formula in logarithmic terms:

$$\text{EIRP} = P_T + G_T - L_c$$

Where:

P_T = transmitter conducted output power dBm (Section 2.1 of this test report)

G_T = gain of the transmitting antenna, in dBi (EIRP);

L_c = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

2.2.6 Sample Computation

$$\begin{aligned} \text{ERP} &= P_T + G_T - L_c \\ &= 23.19 \text{ (Average)} + 0.13 \text{ (max. gain)} - 5.28 \text{ (cable loss)} \\ &= 18.04 \text{ dBm} \end{aligned}$$

2.2.7 Test Results

Compliant. See attached table.



<i>Downlink</i>						
Bandwidth	Channel	Frequency (MHz)	Max Power Average(dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)
5.0MHz	625	1932.5	9.10	2.0	11.10	33
	900	1960	9.88	2.0	11.88	33
	1175	1987.5	9.26	2.0	11.26	33
10MHz	650	1935	12.06	2.0	14.06	33
	900	1960	12.83	2.0	14.83	33
	1150	1985	11.59	2.0	13.59	33
15MHz	675	1937.5	13.03	2.0	15.03	33
	900	1960	14.02	2.0	16.02	33
	1125	1982.5	12.60	2.0	14.60	33
20.0MHz	700	1940	15.30	2.0	17.30	33
	900	1960	16.02	2.0	18.02	33
	1100	1980	15.17	2.0	17.17	33

<i>Uplink</i>						
Bandwidth	Channel	Frequency (MHz)	Max Power Average (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)
5.0MHz	18625	1852.5	21.70	2.0	23.70	33
	18900	1880	21.62	2.0	23.62	33
	19175	1907.5	21.45	2.0	23.45	33
10MHz	18650	1855	21.58	2.0	23.58	33
	18900	1880	21.56	2.0	23.56	33
	19150	1955	21.68	2.0	23.68	33
15MHz	18675	1857.5	20.96	2.0	22.96	33
	18900	1880	21.18	2.0	23.18	33
	19125	1902.5	21.24	2.0	23.24	33
20.0MHz	18700	1860	21.76	2.0	23.76	33
	18900	1880	21.59	2.0	23.59	33
	19100	1900	21.77	2.0	23.77	33



2.3 OCCUPIED BANDWIDTH

2.3.1 Specification Reference

FCC 47 CFR Part 2, Clause 2.1049
FCC 47 CFR Part 24, Clause 24.238(b)
RSS-Gen, Clause 6.6

2.3.2 Standard Applicable

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 emissions are attenuated at least 26 dB below the transmitter power.

2.3.3 Equipment Under Test and Modification State

Serial No: 921550000015 (NU and CU) / Test Configuration A and B

2.3.4 Date of Test/Initial of test personnel who performed the test

January 07, 2016/XYZ

2.3.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.3.6 Environmental Conditions

Test performed at TÜV SÜD America Inc. Rancho Bernardo facility.

Ambient Temperature	22.6°C
Relative Humidity	46.4 %
ATM Pressure	98.8kPa

2.3.7 Additional Observations

- This is a conducted test. Both 26dB bandwidth and 99% bandwidth presented.
- All channels for emission bandwidth verification verified.
- The span is between two and five times the anticipated OBW.
- The RBW is set to 1% of the OBW while the VBW is $\geq 3X$ RBW.
- The detector is peak and the trace mode is max hold.
- Only test plots for middle channel were presented as the representative configuration.
- The SA built-in emission bandwidth measurement feature is utilized. The power level setting is set to 99% while "x dB" is set to -26.



2.3.8 Test Results

<i>Downlink</i>					
Band	Bandwidth	Channel	Frequency (MHz)	OBW (MHz)	-26dB BW (MHz)
LTE Band 2	5MHz	625	1932.5	4.25	4.75
		900	1960	4.34	4.92
		1175	1987.5	4.34	4.89
	10MHz	650	1935	8.80	9.55
		900	1960	8.56	9.61
		1150	1985	8.80	9.55
	15MHz	675	1937.5	13.37	14.41
		900	1960	13.63	14.59
		1125	1982.5	13.55	14.59
	20MHz	700	1940	18.06	19.22
		900	1960	18.29	19.68
		1100	1980	18.06	19.57

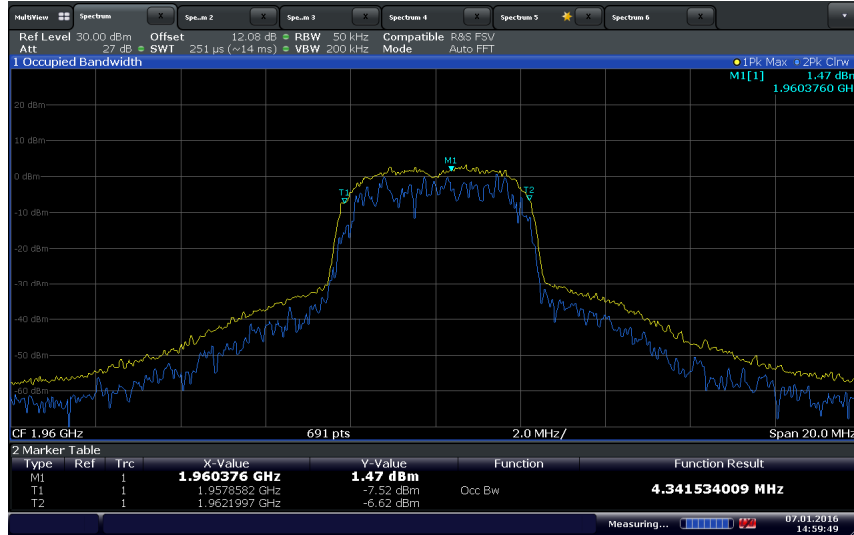


America

<i>Uplink</i>					
Band	Bandwidth	Channel	Frequency (MHz)	OBW (MHz)	-26dB BW (MHz)
LTE Band 2	5MHz	625	1852.5	4.28	4.86
		900	1880	4.31	4.89
		1175	1907.5	4.31	4.92
	10MHz	650	1855	8.86	9.55
		900	1880	8.86	9.61
		1150	1905	8.80	9.55
	15MHz	675	1857.5	13.55	14.59
		900	1880	13.63	14.59
		1125	1902.5	13.37	14.50
	20MHz	700	1860	18.18	19.45
		900	1880	18.06	19.45
		1100	1900	18.06	19.45



LTE Band 2 Downlink 5MHz BandwidthMid Channel 99% OBW



Date: 7 JAN 2016 14:59:49

LTE Band 2 Downlink 5MHz BandwidthMid Channel-26dB BW



Date: 7 JAN 2016 15:01:48

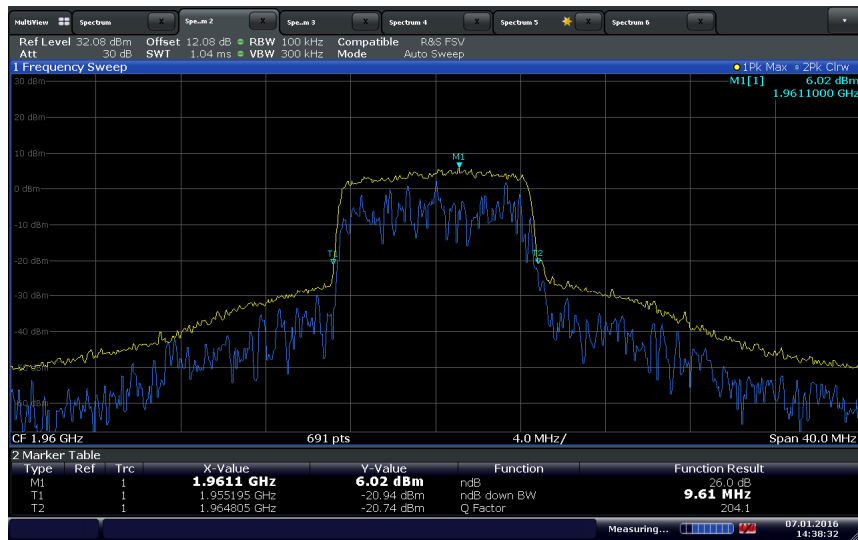


LTE Band 2 Downlink 10MHz Bandwidth Mid Channel 99% OBW



Date: 7 JAN 2016 14:38:05

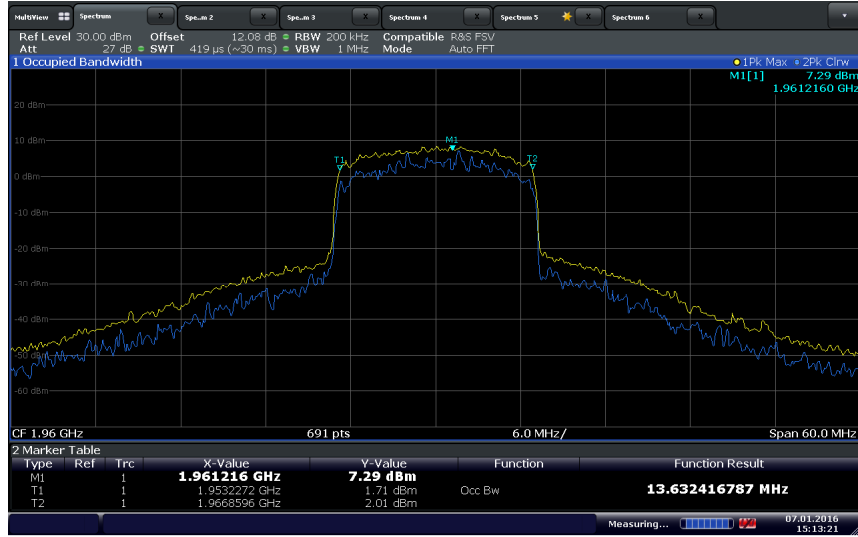
LTE Band 2 Downlink 10MHz Bandwidth Mid Channel-26dB BW



Date: 7 JAN 2016 14:38:32

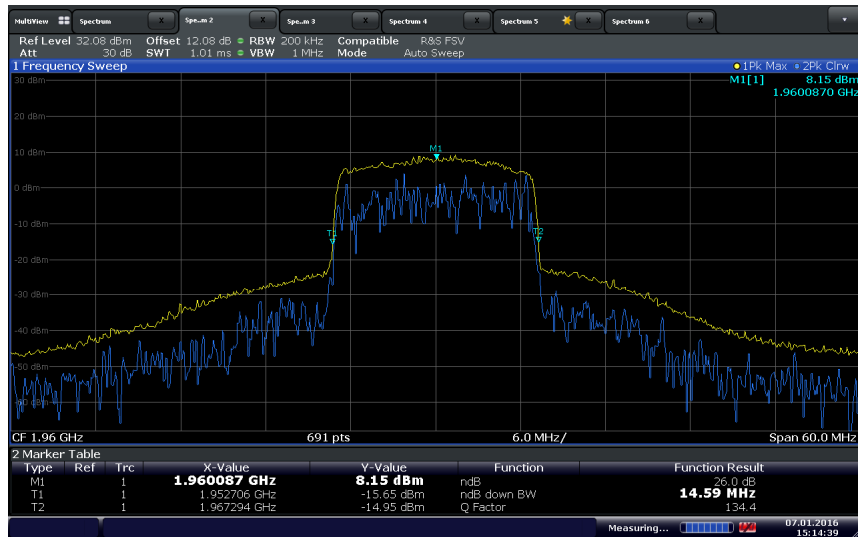


LTE Band 2 Downlink 15MHz Bandwidth Mid Channel 99% OBW



Date: 7 JAN 2016 15:13:21

LTE Band 2 Downlink 15MHz Bandwidth Mid Channel-26dB BW



Date: 7 JAN 2016 15:14:39

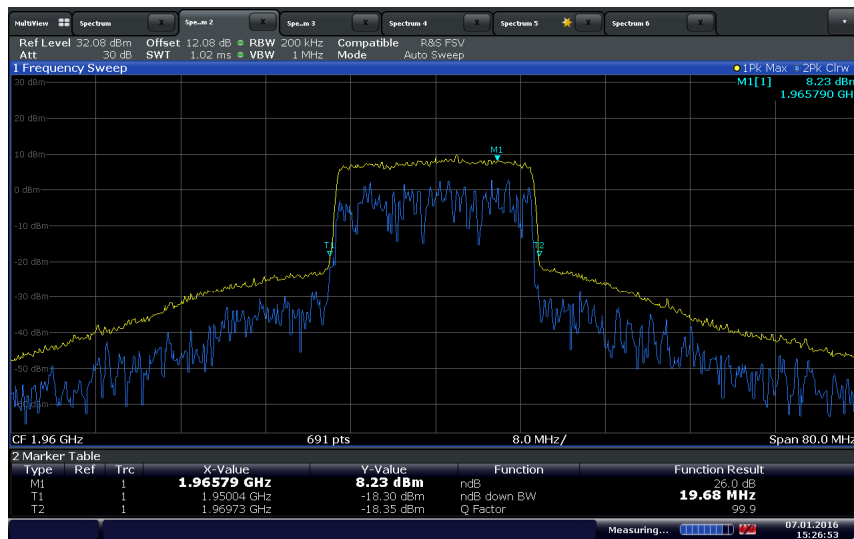


LTE Band 2 Downlink 20MHz Bandwidth Mid Channel 99% OBW



Date: 7 JAN 2016 15:24:40

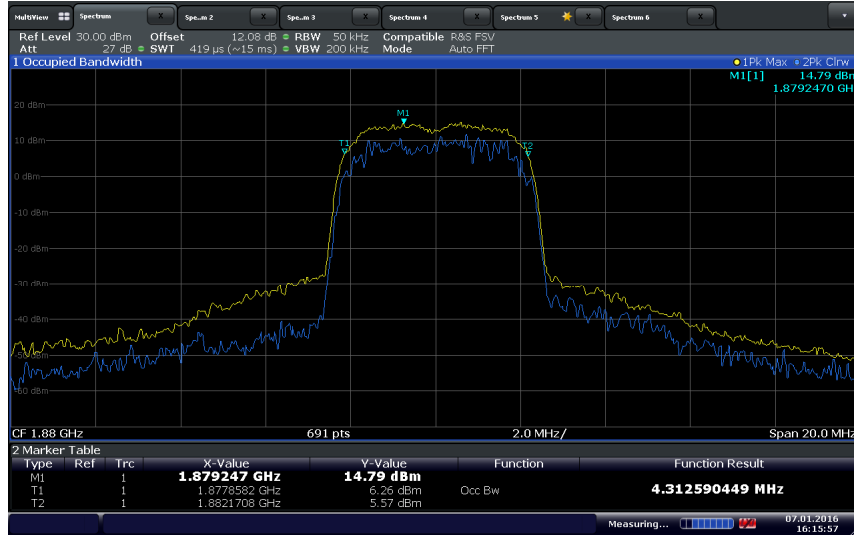
LTE Band 2 Downlink 20MHz Bandwidth Mid Channel -26dB BW



Date: 7 JAN 2016 15:26:53

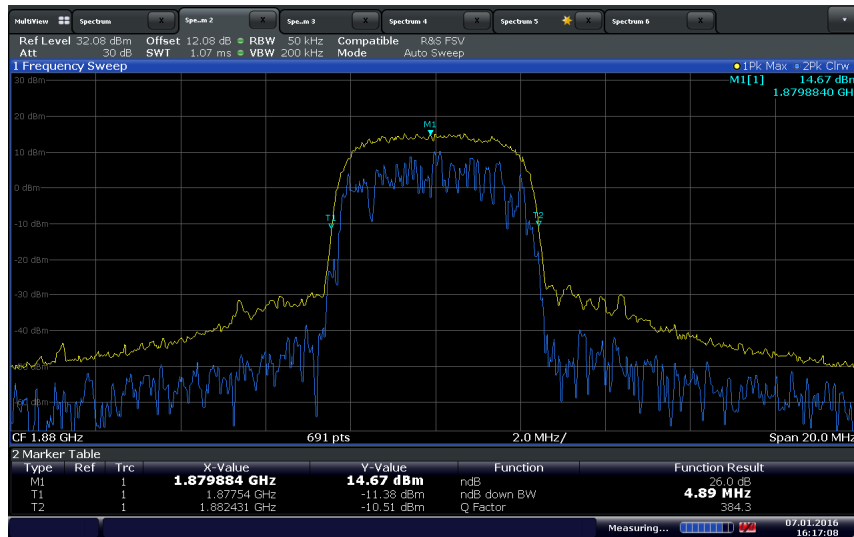


LTE Band 2 Uplink 5MHz Bandwidth Mid Channel 99% OBW



Date: 7 JAN 2016 16:15:57

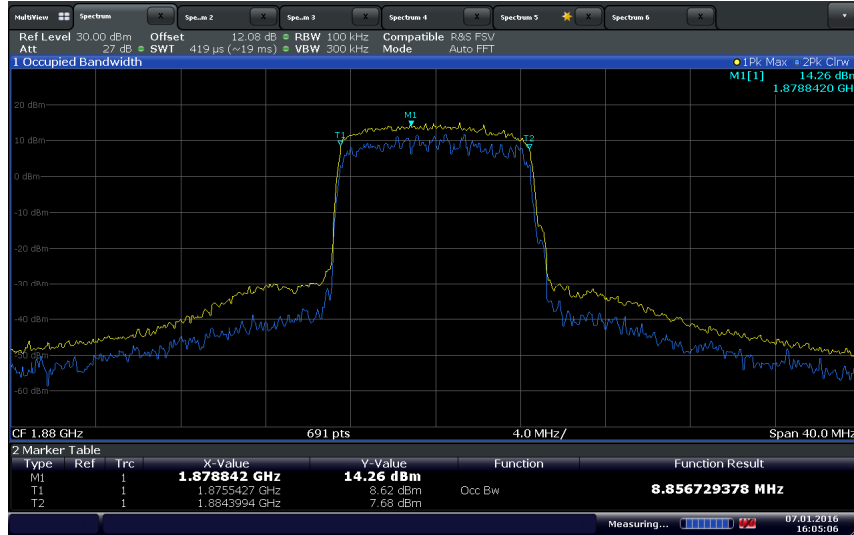
LTE Band 2 Uplink 5MHz Bandwidth Mid Channel-26dB BW



Date: 7 JAN 2016 16:17:08



LTE Band 2 Uplink 10MHz Bandwidth Mid Channel 99% OBW



Date: 7 JAN 2016 16:05:06

LTE Band 2 Uplink 10MHz Bandwidth Mid Channel-26dB BW

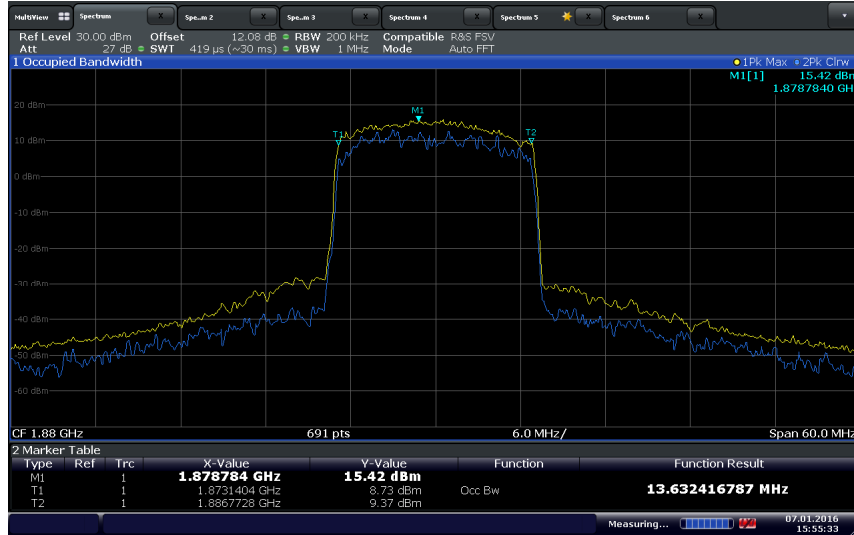


Date: 7 JAN 2016 16:06:20



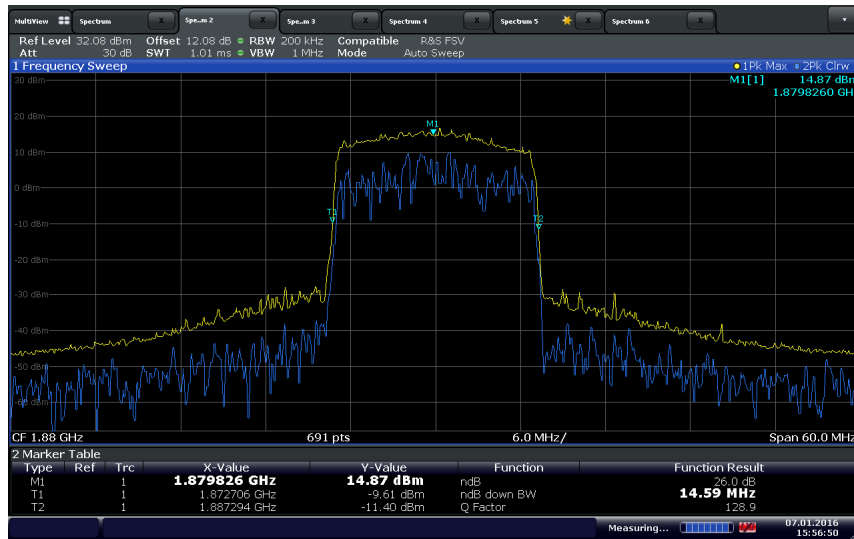
America

LTE Band 2 Uplink 15MHz Bandwidth Mid Channel 99% OBW



Date: 7 JAN 2016 15:55:33

LTE Band 2 Uplink 15MHz Bandwidth Mid Channel-26dB BW



Date: 7 JAN 2016 15:56:50

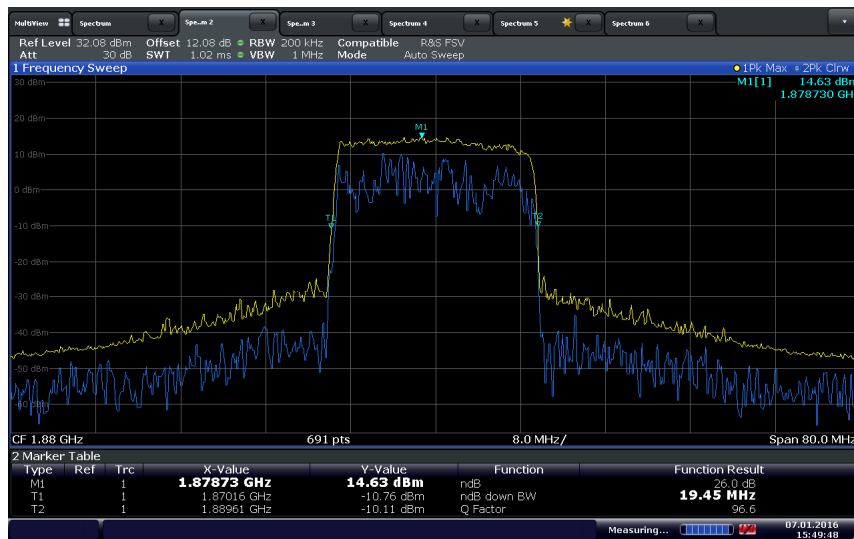


LTE Band 2 Uplink 20MHz Bandwidth Mid Channel 99% OBW



Date: 7 JAN 2016 15:50:25

LTE Band 2 Uplink 20MHz Bandwidth Mid Channel-26dB BW



Date: 7 JAN 2016 15:49:49



2.4 PEAK-AVERAGE RATIO

2.4.1 Specification Reference

FCC 47 CFR Part 24, Clause 24.232(d)
RSS-133, Clause 6.4

2.4.2 Standard Applicable

Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of §24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB

2.4.3 Equipment Under Test and Modification State

Serial No: 921550000015 (NU and CU) / Test Configuration A and B

2.4.4 Date of Test/Initial of test personnel who performed the test

January 08, 2016/XYZ

2.4.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.4.6 Environmental Conditions

Test performed at TÜV SÜD America Inc. Rancho Bernardo facility.

Ambient Temperature	21.9°C
Relative Humidity	43.3%
ATM Pressure	99.3kPa

2.4.7 Additional Observations

- This is a conducted test. Test procedure is per Section 5.7 of KDB971168 (D01 Power Meas License Digital Systems v02r02). Appropriate offset (line losses) applied.
- Measurement was done using the Spectrum Analyzer's Complementary Cumulative Distribution Function (CCDF) measurement profile. The built-in function is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth (crest factor or peak-to-average ratio) The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signals spends at or above the level defines the probability for that particular power level.
- Procedure is per Section 5.7.1 of KDB971168.
- RBW was set to maximum the SA can support.
- The maximum PAR level associated with a probability of 0.1% was recorded.



- There are no measured PAR levels greater than 13dB. EUT complies.
- Only test plots for middle channel were presented as the representative configuration.

2.4.8 Test Results

<i>Downlink</i>				
Band	Bandwidth	Channel	Frequency (MHz)	PAR (dB)
LTE Band 2	5MHz	625	1932.5	11.41
		900	1960	11.46
		1175	1987.5	10.46
	10MHz	650	1935	11.27
		900	1960	10.92
		1150	1985	11.07
	15MHz	675	1937.5	11.61
		900	1960	11.15
		1125	1982.5	11.16
	20MHz	700	1940	11.57
		900	1960	10.91
		1100	1980	11.43

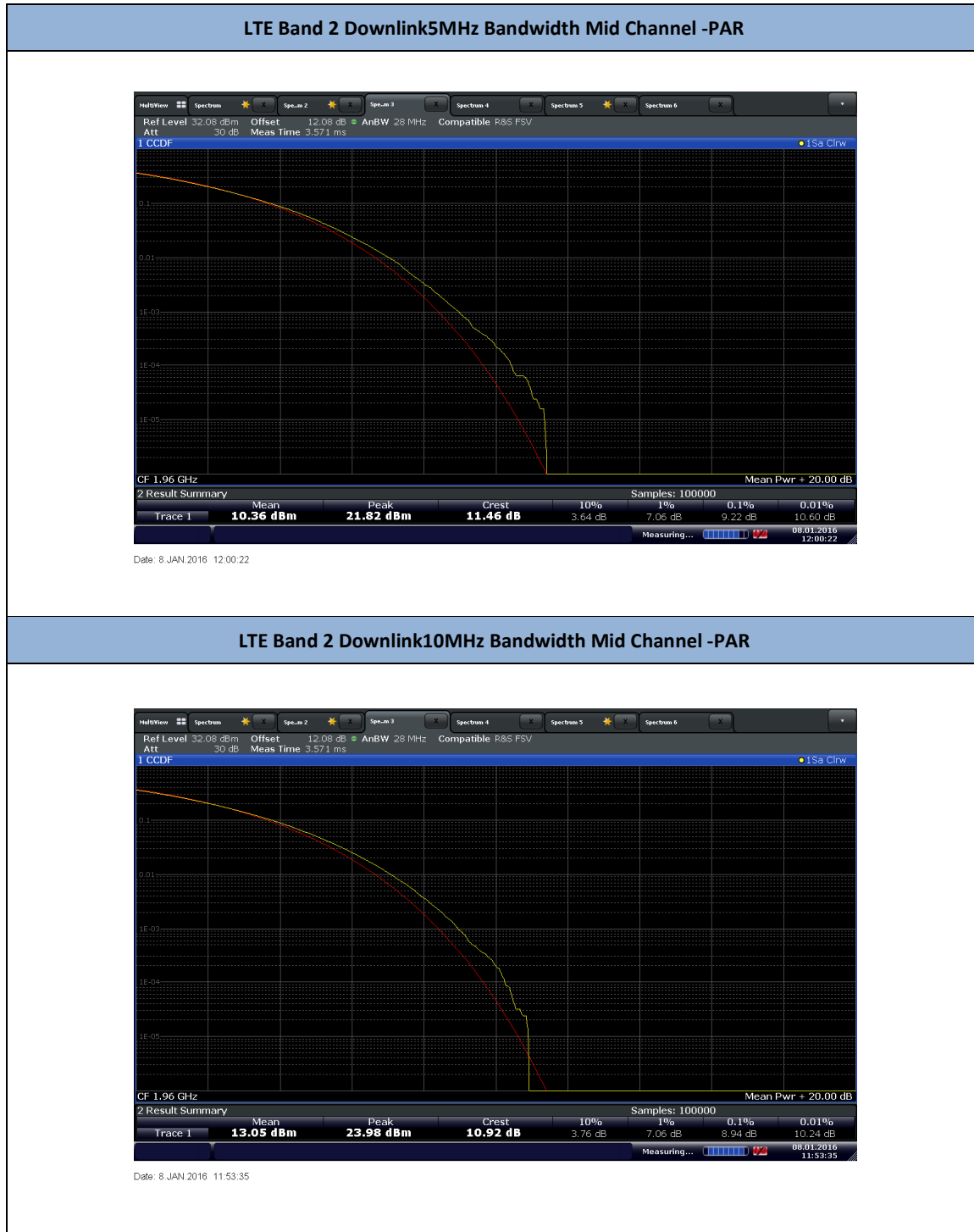


America

<i>Uplink</i>				
Band	Bandwidth	Channel	Frequency (MHz)	PAR (dB)
LTE Band 2	5MHz	18625	1852.5	10.70
		18900	1880	9.91
		19175	1907.5	9.54
	10MHz	18650	1855	10.44
		18900	1880	10.49
		19150	1955	9.62
	15MHz	18675	1857.5	11.32
		18900	1880	10.92
		19125	1902.5	10.36
	20MHz	18700	1860	10.31
		18900	1880	10.51
		19100	1900	9.85



2.4.9 Sample Test Plot





America

LTE Band 2 Downlink15MHz Bandwidth Mid Channel -PAR



Date: 8 JAN 2016 11:44:06

LTE Band 2 Downlink20MHz Bandwidth Mid Channel -PAR



Date: 8 JAN 2016 11:42:05



LTE Band 2 Uplink 5MHz Bandwidth Mid Channel -PAR



Date: 8 JAN 2016 11:00:16

LTE Band 2 Uplink 10MHz Bandwidth Mid Channel -PAR



Date: 8 JAN 2016 11:05:12



America

LTE Band 2 Uplink 15MHz Bandwidth Mid Channel -PAR



Date: 8 JAN 2016 11:10:42

LTE Band 2 Uplink 20MHz Bandwidth Mid Channel -PAR



Date: 8 JAN 2016 11:20:20



2.5 BAND EDGE

2.5.1 Specification Reference

FCC 47 CFR Part 24, Clause 24.238(a)
RSS-133, Clause 6.5.1

2.5.2 Standard Applicable

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

2.5.3 Equipment Under Test and Modification State

Serial No: 921550000015 (NU and CU) / Test Configuration A and B

2.5.4 Date of Test/Initial of test personnel who performed the test

January 08, 2016/XYZ

2.5.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.5.6 Environmental Conditions

Test performed at TÜV SÜD America Inc. Rancho Bernardo facility.

Ambient Temperature	21.9°C
Relative Humidity	43.3%
ATM Pressure	99.3kPa

2.5.7 Additional Observations

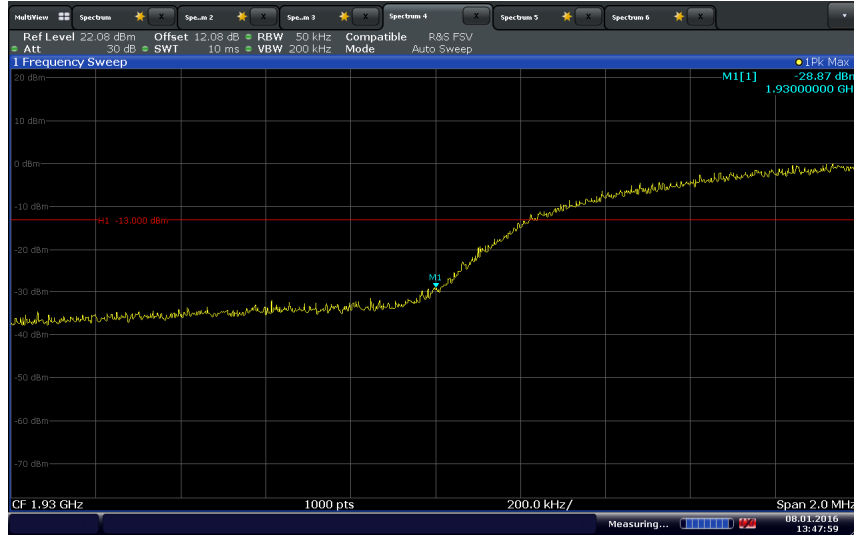
- This is a conducted test.
- Test guidance is per Section 6 of KDB971168 (D01 Power Meas License Digital Systems v02r02).
- The path loss was measured and entered as a level offset.
- For band edge measurements, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter was employed.
- The limit is set to -13dBm.

2.5.8 Test Results

See attached plots.

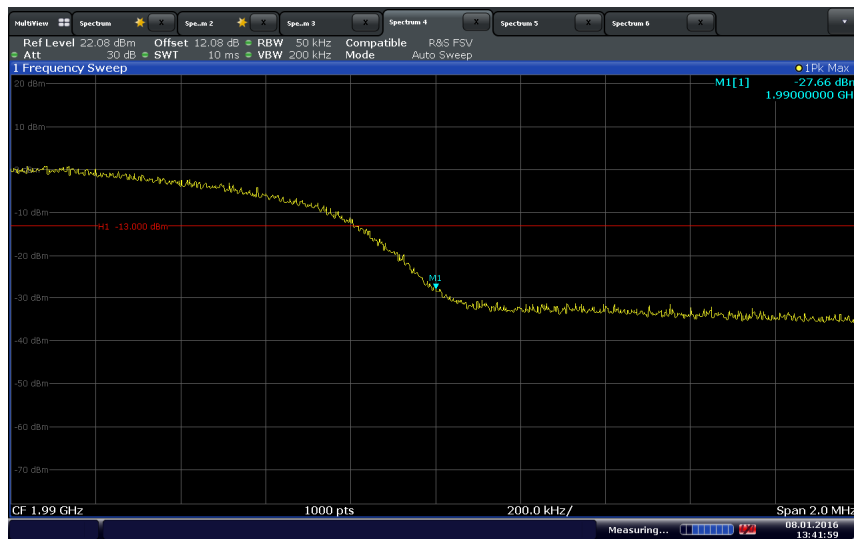


LTE Band 2 Downlink 5MHz Bandwidth Low Channel Band Edge



Date: 8 JAN 2016 13:47:59

LTE Band 2 Downlink 5MHz Bandwidth High Channel Band Edge

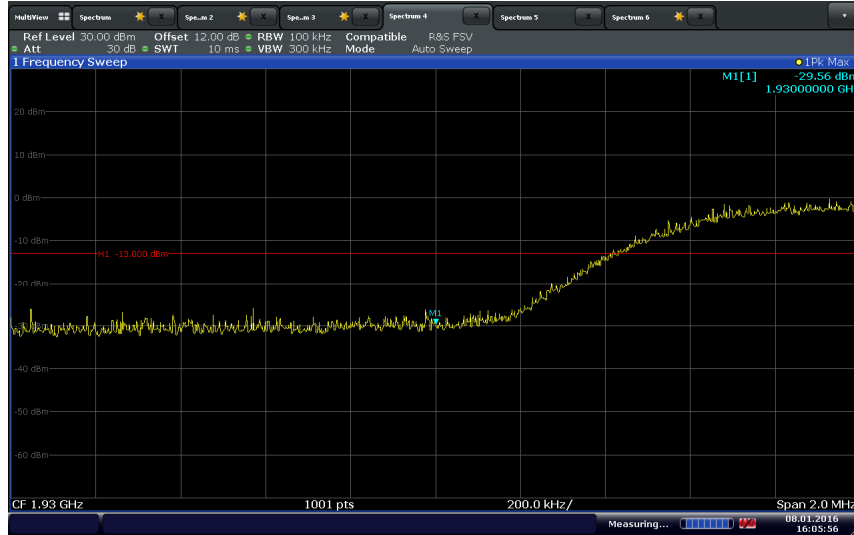


Date: 8 JAN 2016 13:41:59



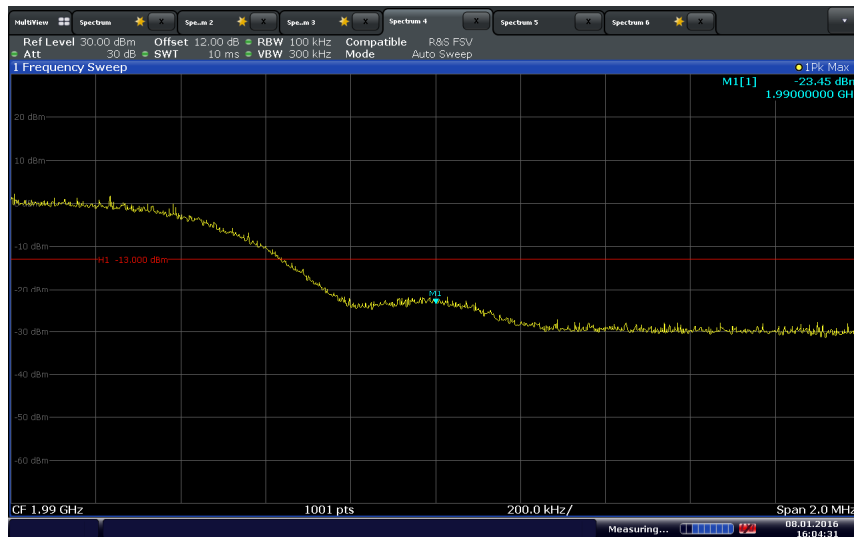
America

LTE Band 2 Downlink 10MHz Bandwidth Low Channel Band Edge



Date: 8 JAN 2016 16:05:56

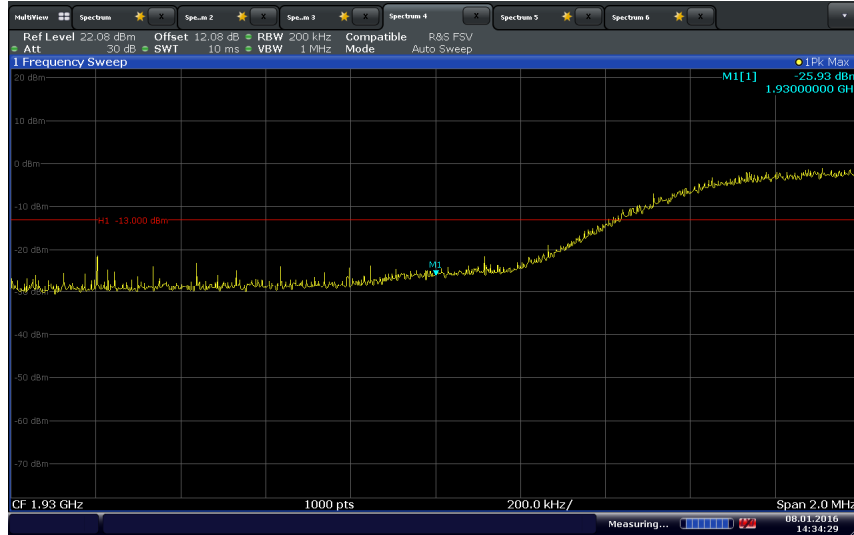
LTE Band 2 Downlink 10MHz Bandwidth High Channel Band Edge



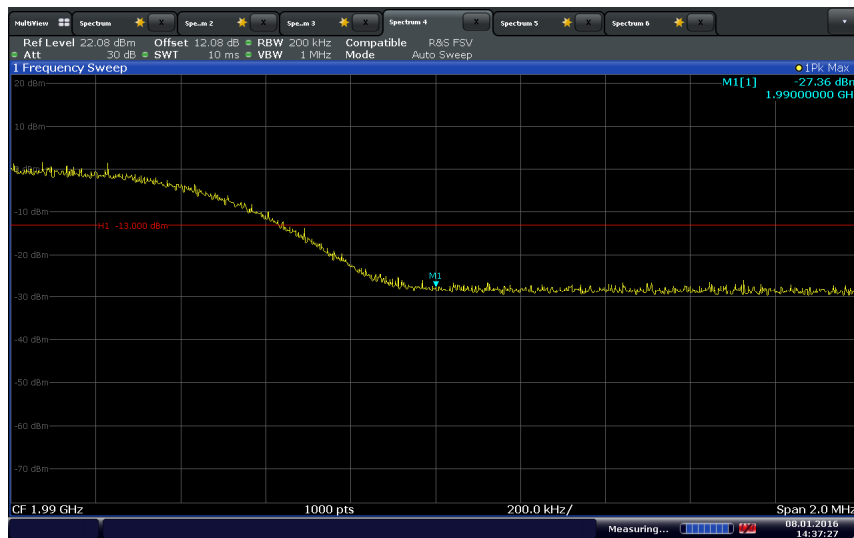
Date: 8 JAN 2016 16:04:31



LTE Band 2 Downlink 15MHz Bandwidth Low Channel Band Edge



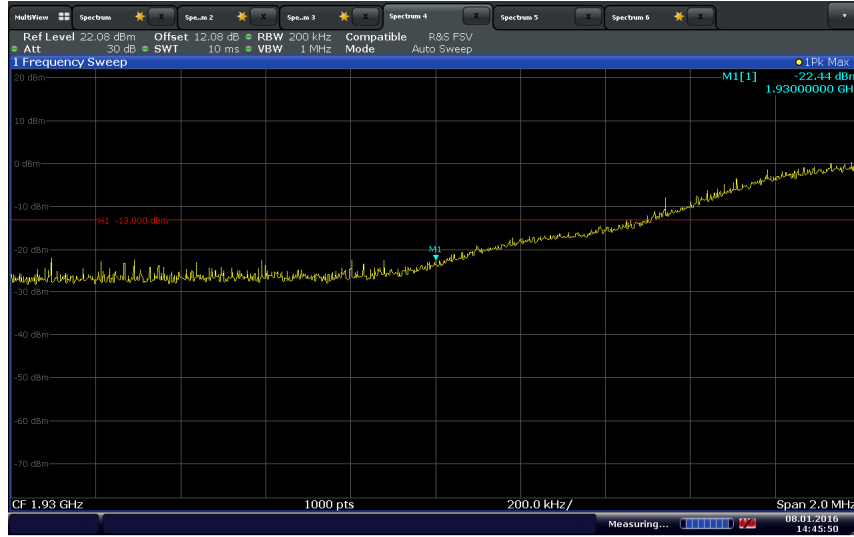
LTE Band 2 Downlink 15MHz Bandwidth High Channel Band Edge





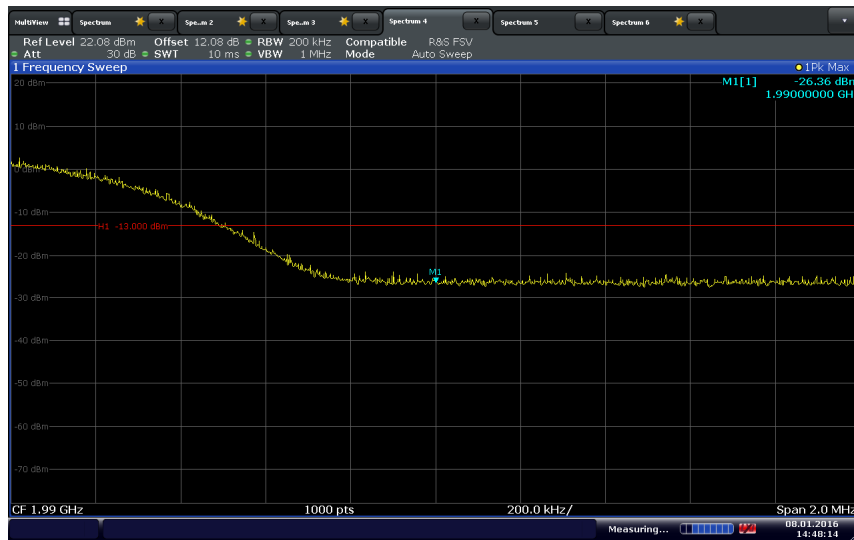
America

LTE Band 2 Downlink 20MHz Bandwidth Low Channel Band Edge



Date: 8 JAN 2016 14:45:50

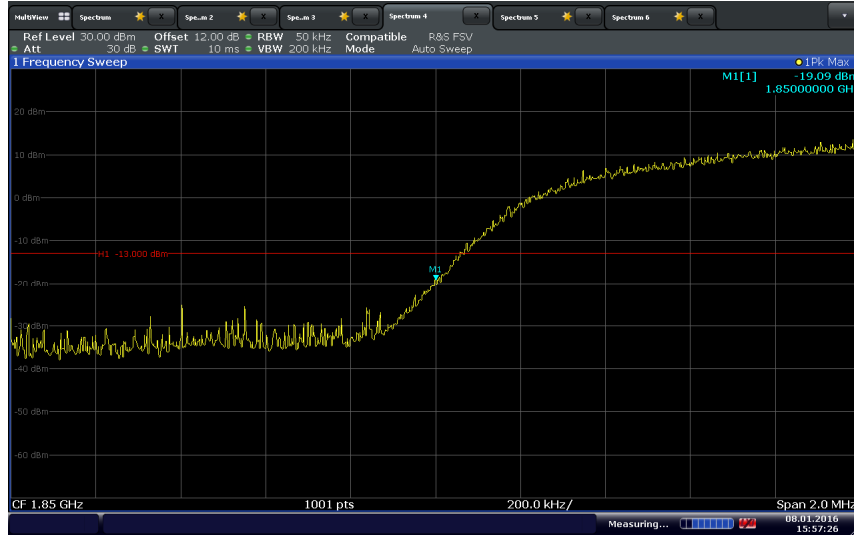
LTE Band 2 Downlink 20MHz Bandwidth High Channel Band Edge



Date: 8 JAN 2016 14:48:14

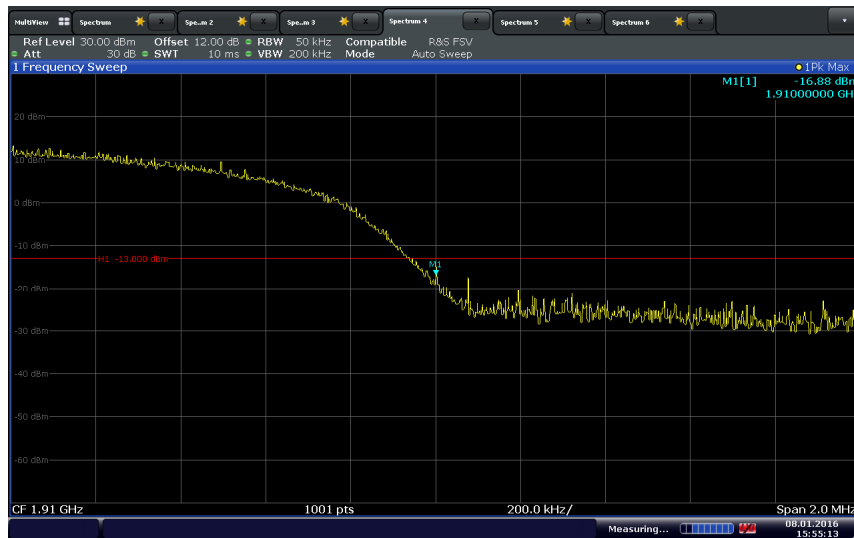


LTE Band 2 Uplink 5MHz Bandwidth Low Channel Band Edge



Date: 8 JAN 2016 15:57:27

LTE Band 2 Uplink 5MHz Bandwidth High Channel Band Edge

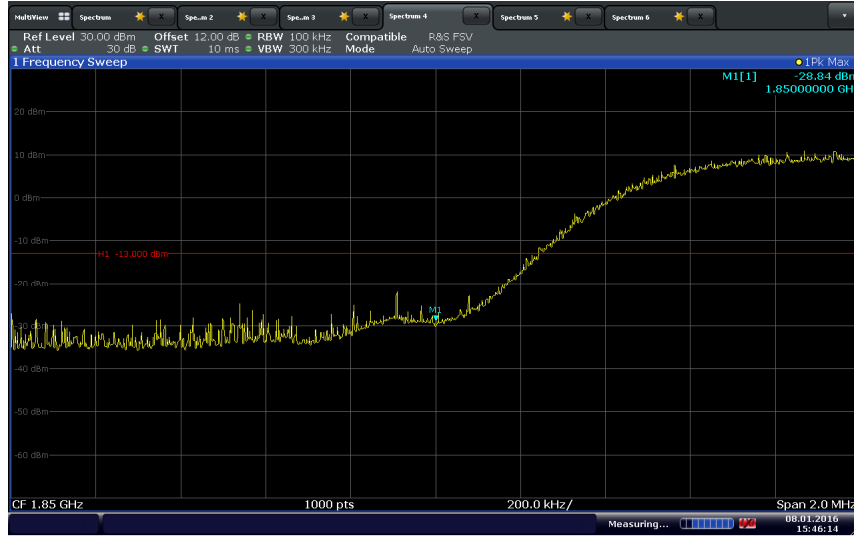


Date: 8 JAN 2016 15:55:13



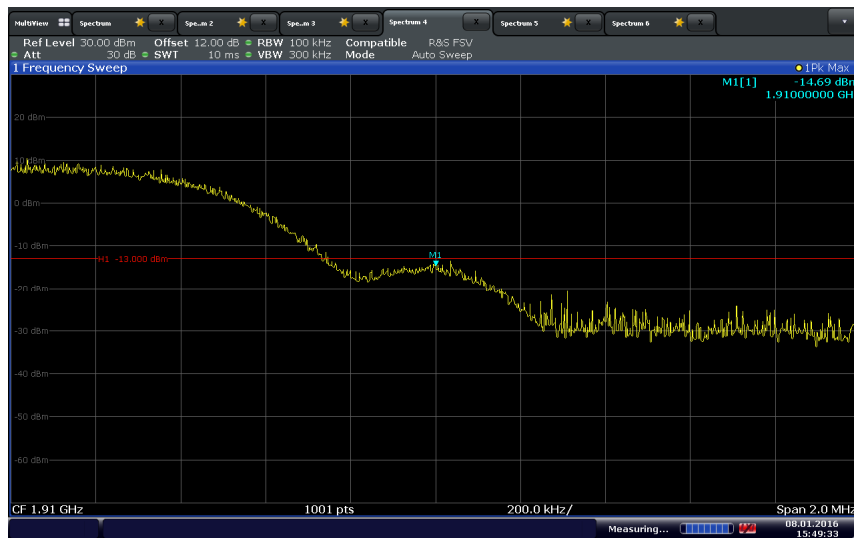
America

LTE Band 2 Uplink 10MHz Bandwidth Low Channel Band Edge



Date: 8 JAN 2016 15:46:14

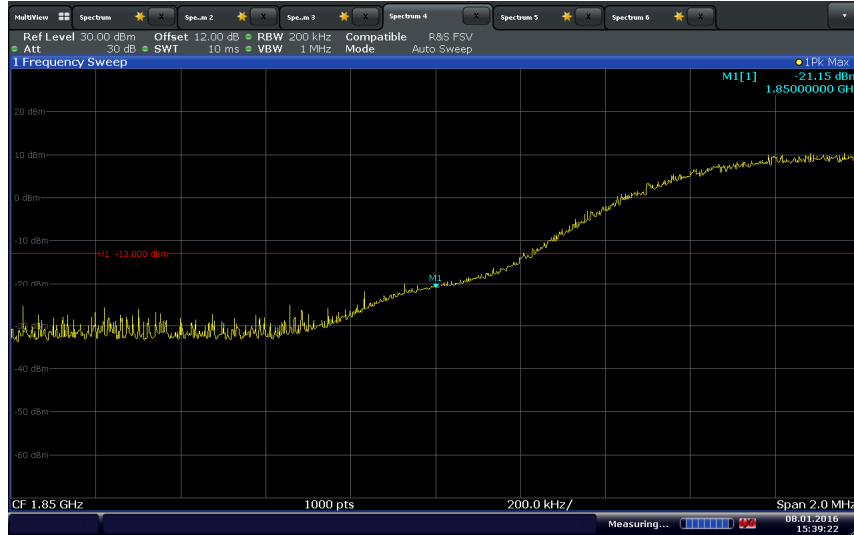
LTE Band 2 Uplink 10MHz Bandwidth High Channel Band Edge



Date: 8 JAN 2016 15:49:33

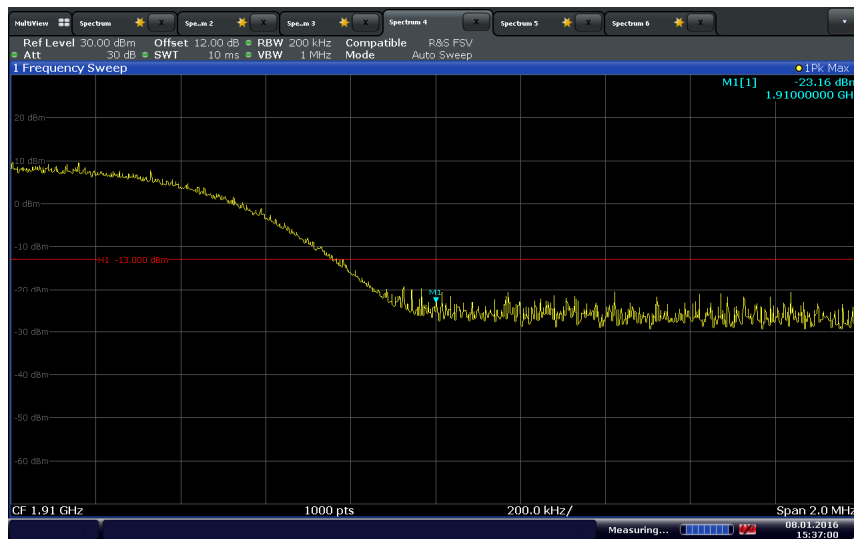


LTE Band 2 Uplink 15MHz Bandwidth Low Channel Band Edge



Date: 8 JAN 2016 15:39:23

LTE Band 2 Uplink 15MHz Bandwidth High Channel Band Edge

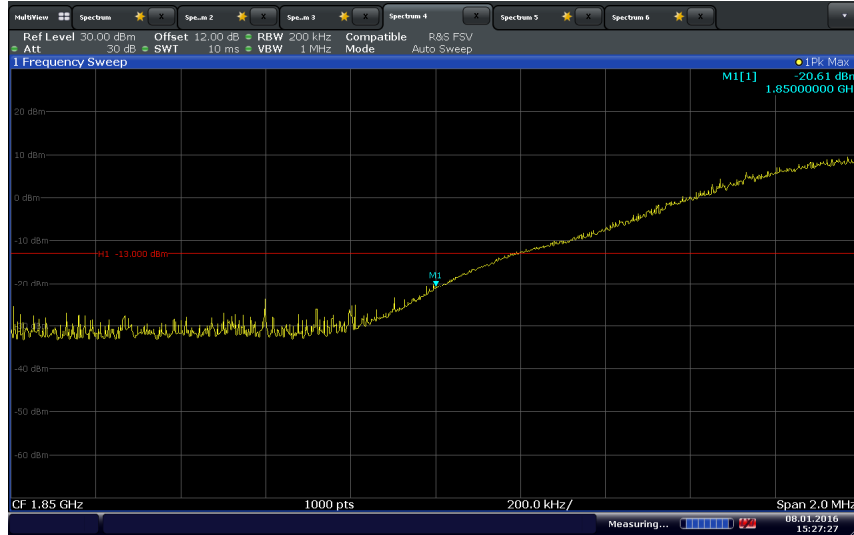


Date: 8 JAN 2016 15:37:00



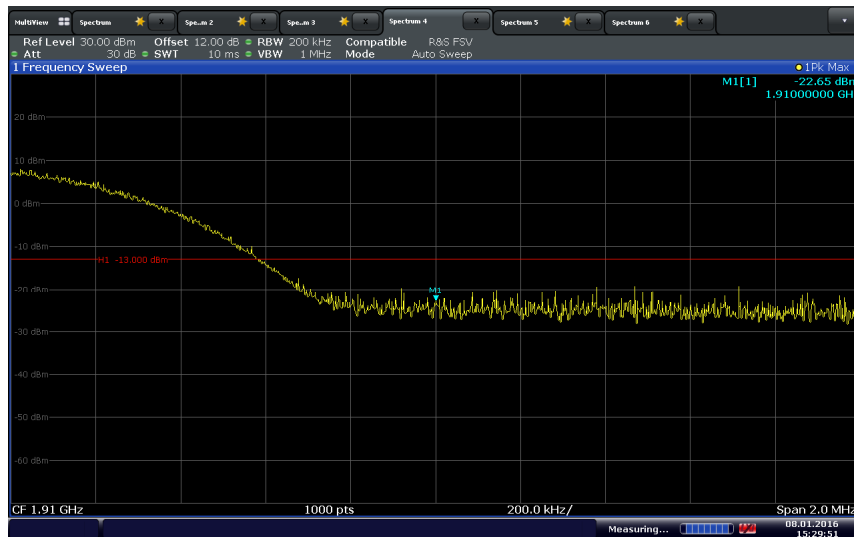
America

LTE Band 2 Uplink 20MHz Bandwidth Low Channel Band Edge



Date: 8 JAN 2016 15:27:27

LTE Band 2 Uplink 20MHz Bandwidth High Channel Band Edge



Date: 8 JAN 2016 15:29:31



2.6 CONDUCTED SPURIOUS EMISSIONS

2.6.1 Specification Reference

FCC 47 CFR Part 24, Clause 24.238(a)
RSS-133, Clause 6.5.1

2.6.2 Standard Applicable

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

2.6.3 Equipment Under Test and Modification State

Serial No: 921550000015 (NU and CU) / Test Configuration A and B

2.6.4 Date of Test/Initial of test personnel who performed the test

January 08, 2016/XYZ

2.6.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.6.6 Environmental Conditions

Test performed at TÜV SÜD America Inc. Rancho Bernardo facility.

Ambient Temperature	21.9°C
Relative Humidity	43.3%
ATM Pressure	99.3kPa

2.6.7 Additional Observations

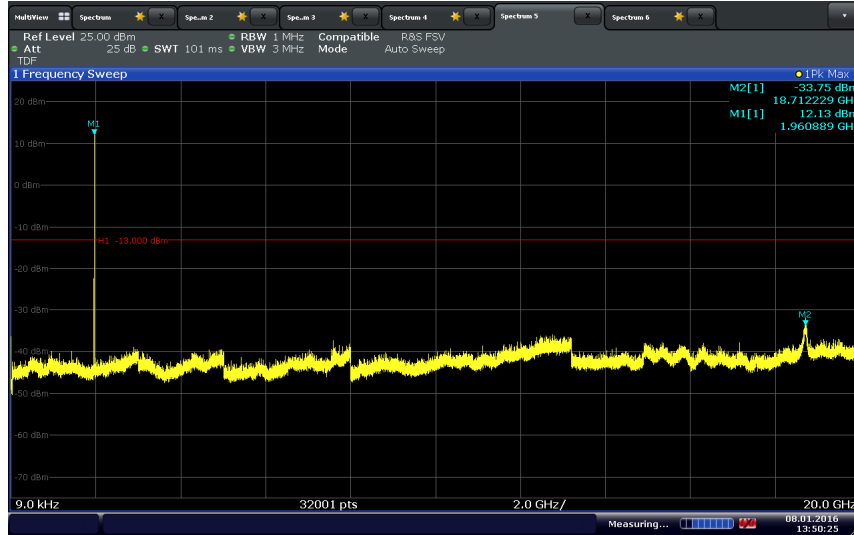
- This is a conducted test.
- The path loss was measured and entered as a level offset.
- A resolution bandwidth of 1MHz was used.
- The limit is set to -13dBm.
- Only test plots for middle channel were presented as the representative configuration.

2.6.8 Test Results

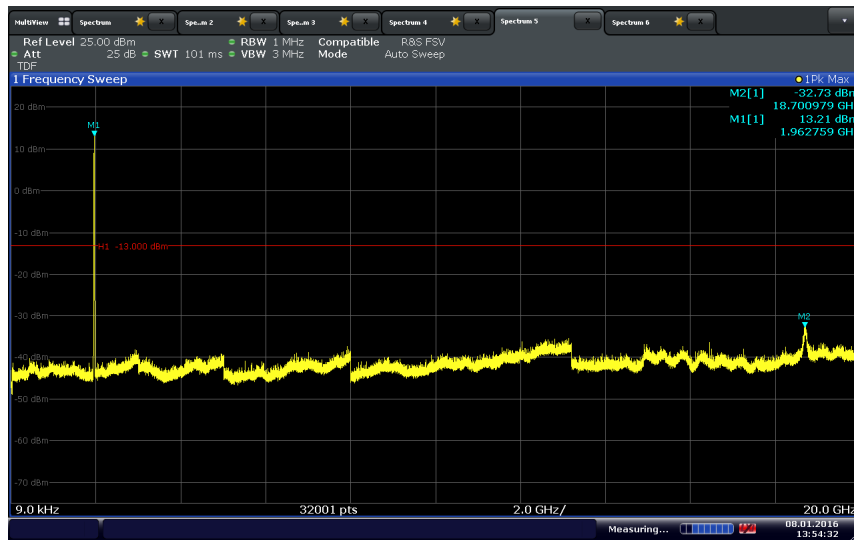
See attached plots.



LTE Band 2 Downlink 5MHz Bandwidth Mid Channel Conducted Spurious Emissions

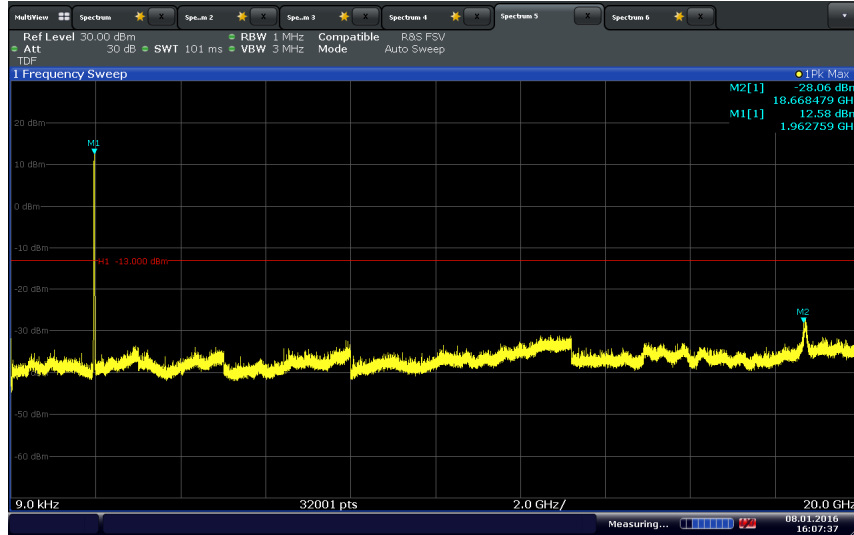


LTE Band 2 Downlink 10MHz Bandwidth Mid Channel Conducted Spurious Emissions

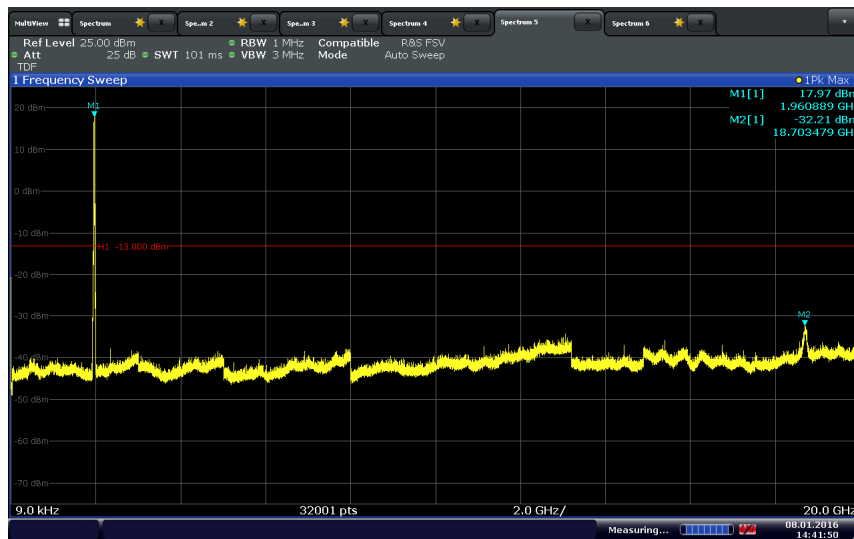




LTE Band 2 Downlink 15MHz Bandwidth Mid Channel Conducted Spurious Emissions

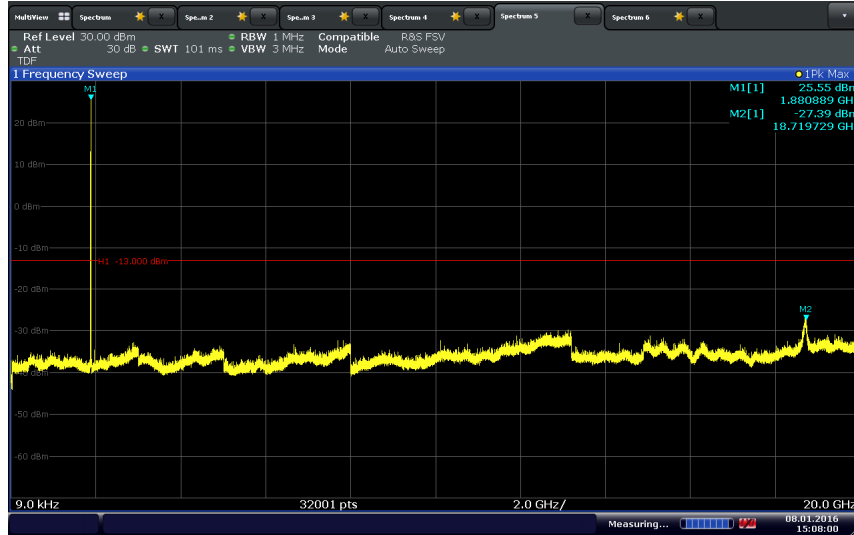


LTE Band 2 Downlink 20MHz Bandwidth Mid Channel Conducted Spurious Emissions

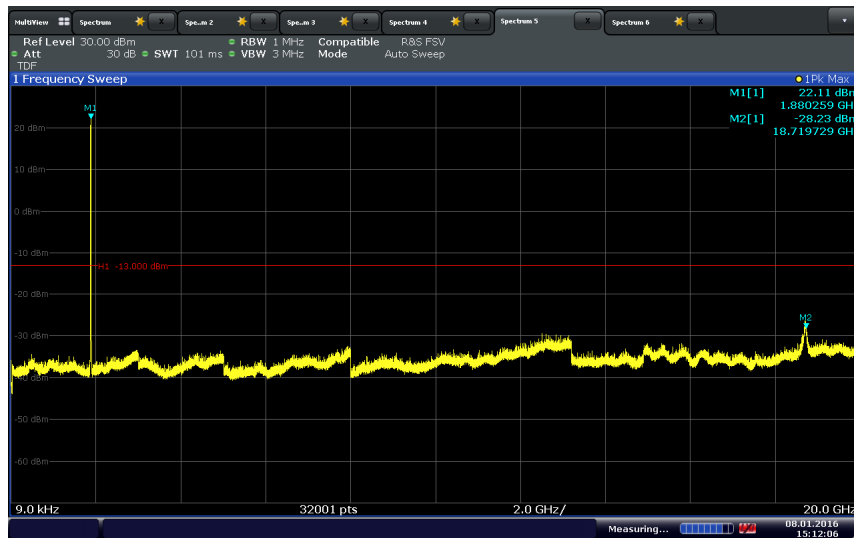




LTE Band 2 Uplink 5MHz Bandwidth Mid Channel Conducted Spurious Emissions



LTE Band 2 Uplink 10MHz Bandwidth Mid Channel Conducted Spurious Emissions

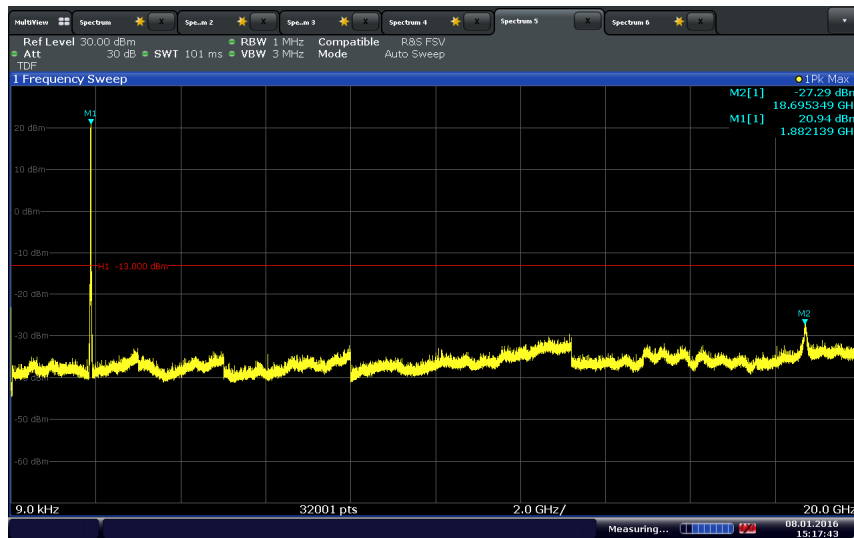




LTE Band 2 Uplink 15MHz Bandwidth Mid Channel Conducted Spurious Emissions



LTE Band 2 Uplink 20MHz Bandwidth Mid Channel Conducted Spurious Emissions





2.7 FIELD STRENGTH OF SPURIOUS RADIATION

2.7.1 Specification Reference

FCC 47CFR Part 2, Clause 2.1053
FCC 47CFR Part 24, Clause 24.238(a)
RSS-133, Clause 6.5

2.7.2 Standard Applicable

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

2.7.3 Equipment Under Test and Modification State

Serial No: 921550000015 (NU and CU) / Test Configuration C and D

2.7.4 Date of Test/Initial of test personnel who performed the test

January 19, 20 and 22, 2016/XYZ

2.7.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.7.6 Environmental Conditions

Test performed at TÜV SÜD America Inc. Rancho Bernardo facility.

Ambient Temperature	22.3 - 22.8°C
Relative Humidity	32.5 - 55.8%
ATM Pressure	99.6 - 99.8kPa

2.7.7 Additional Observations

- This is a radiated test using substitution method as per Unwanted Emissions: Radiated Spurious method of measurement of ANSI/TIA/EIA-603-C 2004, August 17, 2004.
- Only the worst case configuration presented in this test report.
- Measurement was done using EMC32 V8.53 automated software. Reported level is the actual level with all the correction factors factored in. Correction Factor column is for informational purposes only.

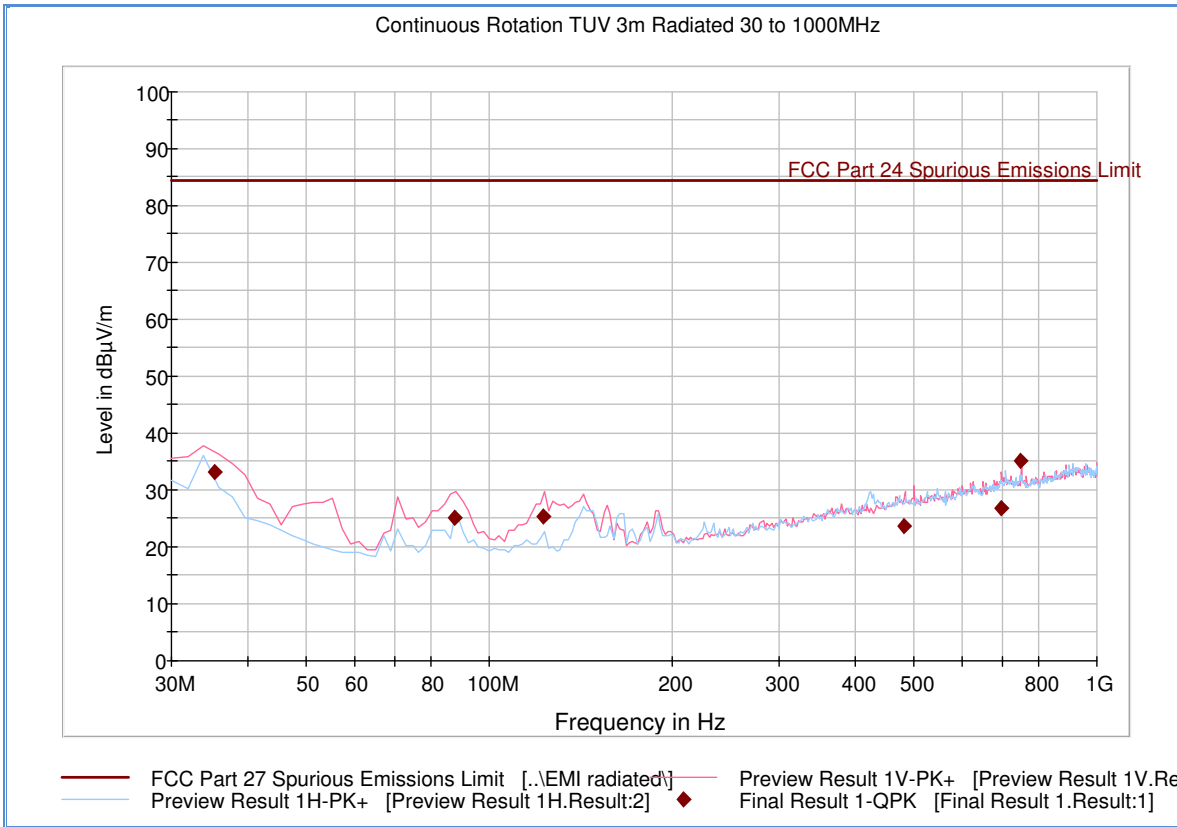
2.7.8 Test Results

See attached plots.



America

2.7.9 Test Results Below 1GHz (Downlink Worst Case Configuration)- 20MHz Bandwidth Middle Channel



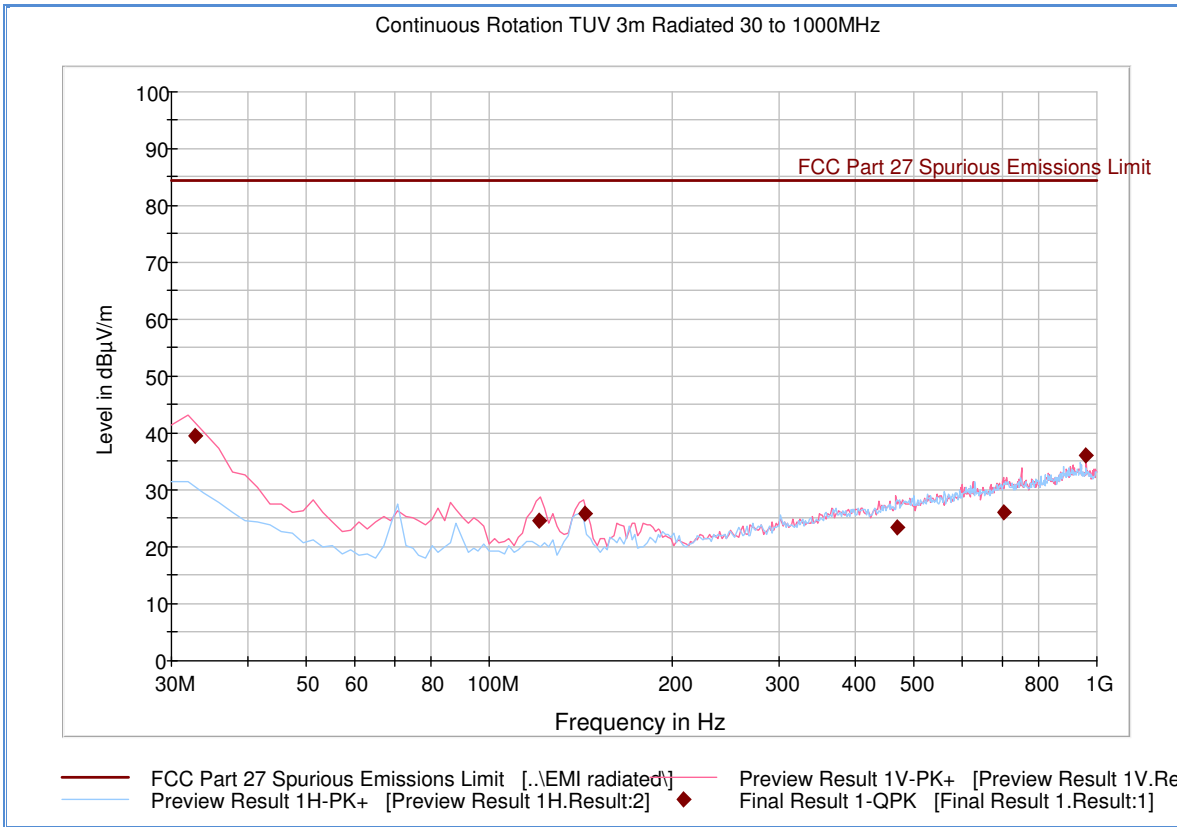
Quasi Peak Data

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
35.367776	33.3	1000.0	120.000	100.0	V	207.0	-8.6	51.1	84.4
87.756633	25.2	1000.0	120.000	100.0	V	228.0	-15.6	59.2	84.4
122.866613	25.5	1000.0	120.000	100.0	V	65.0	-15.2	58.9	84.4
482.645852	23.6	1000.0	120.000	127.0	V	172.0	-1.4	60.8	84.4
695.113507	26.9	1000.0	120.000	122.0	V	260.0	3.0	57.5	84.4
750.022365	35.2	1000.0	120.000	100.0	V	18.0	3.6	49.2	84.4

Test Notes: Only worst case channel presented for spurious emissions below 1GHz. Only case spurious emissions within 20dB of the calculated limit will be proven by substitution method.



2.7.10 Test Results Below 1GHz (Uplink Worst Case Configuration) - 20MHz Bandwidth High Channel



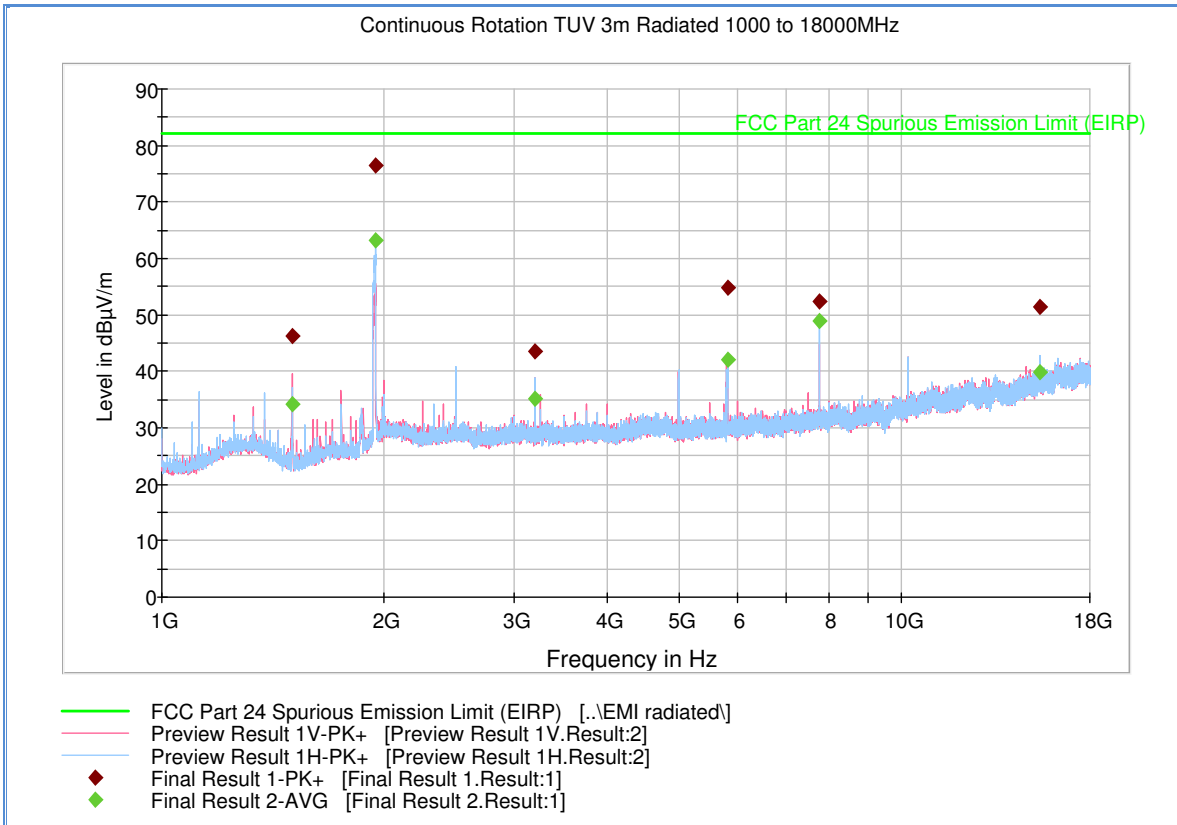
Quasi Peak Data

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
32.800000	39.5	1000.0	120.000	102.0	V	317.0	-7.1	42.7	82.2
120.522725	24.6	1000.0	120.000	105.0	V	13.0	-15.1	57.6	82.2
143.345491	25.9	1000.0	120.000	102.0	V	54.0	-13.9	56.3	82.2
468.574749	23.3	1000.0	120.000	143.0	V	47.0	-2.0	58.9	82.2
701.745170	26.2	1000.0	120.000	356.0	V	356.0	3.1	56.0	82.2
960.082244	36.1	1000.0	120.000	102.0	V	9.0	6.4	46.1	82.2

Test Notes: Only worst case channel presented for spurious emissions below 1GHz. Only case spurious emissions within 20dB of the calculated limit will be proven by substitution method.



2.7.11 Test Results Above 1GHz - Downlink20MHz Low Channel



Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1500.000000	46.2	1000.0	1000.000	138.7	V	337.0	-6.3	36.0	82.2
1942.166667	76.4	1000.0	1000.000	103.7	H	338.0	-1.5	Fundamental	
3200.000000	43.5	1000.0	1000.000	113.7	V	0.0	0.2	38.8	82.2
5832.100000	54.9	1000.0	1000.000	199.5	H	56.0	4.3	27.3	82.2
7759.966667	52.4	1000.0	1000.000	300.2	H	260.0	7.1	29.9	82.2
15375.200000	51.4	1000.0	1000.000	403.0	H	180.0	15.8	30.8	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1500.000000	34.3	1000.0	1000.000	138.7	V	337.0	-6.3	48.0	82.2
1942.166667	63.1	1000.0	1000.000	103.7	H	338.0	-1.5	Fundamental	
3200.000000	35.1	1000.0	1000.000	113.7	V	0.0	0.2	47.1	82.2
5832.100000	41.9	1000.0	1000.000	199.5	H	56.0	4.3	40.3	82.2
7759.966667	49.0	1000.0	1000.000	300.2	H	260.0	7.1	33.2	82.2
15375.200000	39.8	1000.0	1000.000	403.0	H	180.0	15.8	42.5	82.2

FCC ID: NU: YETD32-21366NU
 CU: YETD32-21366CU
 IC: N/A
 Report No. SD72112724-0116B Rev1.0



America

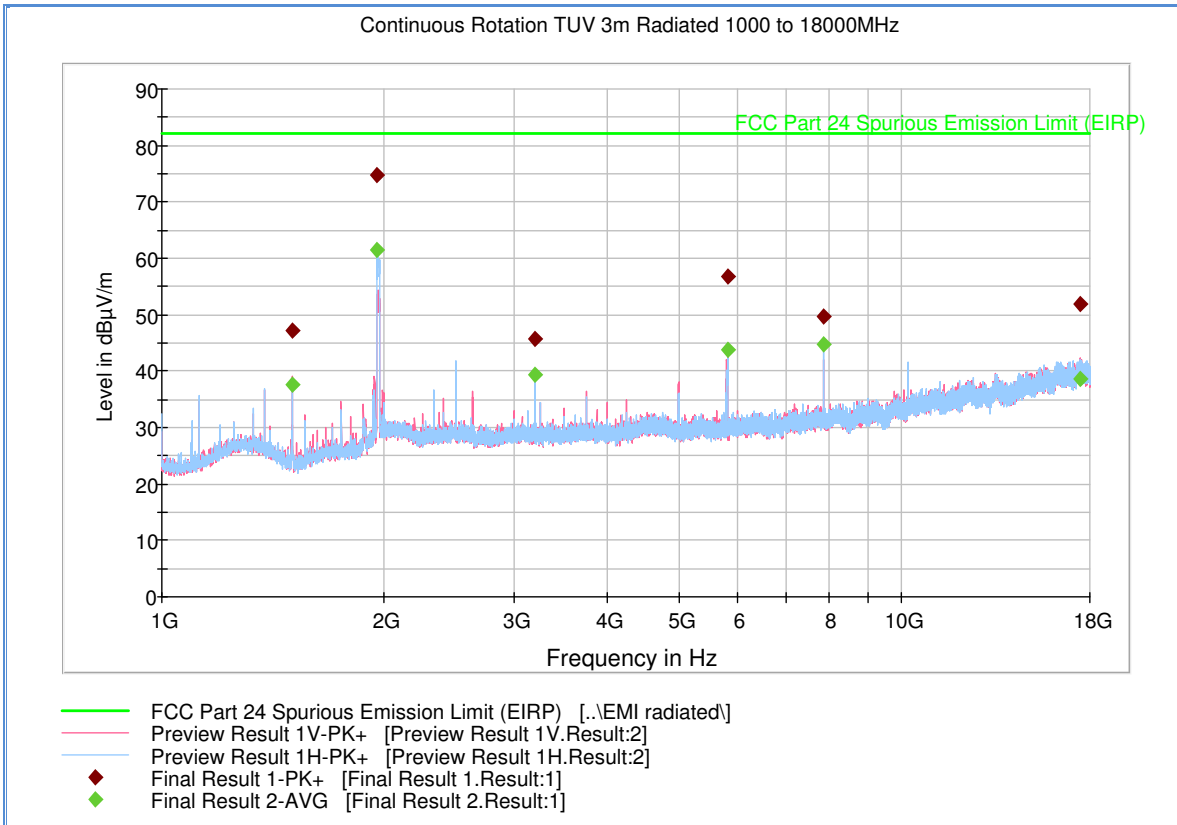
Substitution Data

Frequency (MHz)	Field Strength @ 3 meters (dBμV/m)	Cable Loss (dB)	Substitution Antenna Gain (dBi)	Signal Generator Level (dBm)	Substitution Data SGL+AG-CL (dBm)	Limit (dBm)	Compliance

Test Notes: Substitution data not required since margin is >20dB compared to the -13dBm limit (converted to field strength @ 3 meters).



2.7.12 Test Results Above 1GHz - Downlink20MHz Bandwidth Mid Channel



Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1500.000000	47.1	1000.0	1000.000	130.7	V	225.0	-6.3	35.1	82.2
1952.366667	74.7	1000.0	1000.000	103.7	H	337.0	-1.4	Fundamental	
3200.200000	45.7	1000.0	1000.000	103.7	V	74.0	0.2	36.6	82.2
5817.766667	56.7	1000.0	1000.000	202.3	V	115.0	4.3	25.5	82.2
7840.033333	49.7	1000.0	1000.000	299.3	H	269.0	7.2	32.5	82.2
17465.633333	51.9	1000.0	1000.000	402.7	V	16.0	18.1	30.3	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1500.000000	37.6	1000.0	1000.000	130.7	V	225.0	-6.3	44.6	82.2
1952.366667	61.5	1000.0	1000.000	103.7	H	337.0	-1.4	Fundamental	
3200.200000	39.4	1000.0	1000.000	103.7	V	74.0	0.2	42.8	82.2
5817.766667	43.7	1000.0	1000.000	202.3	V	115.0	4.3	38.6	82.2
7840.033333	44.7	1000.0	1000.000	299.3	H	269.0	7.2	37.5	82.2
17465.633333	38.7	1000.0	1000.000	402.7	V	16.0	18.1	43.5	82.2

FCC ID: NU: YETD32-21366NU
 CU: YETD32-21366CU
 IC: N/A
 Report No. SD72112724-0116B Rev1.0



America

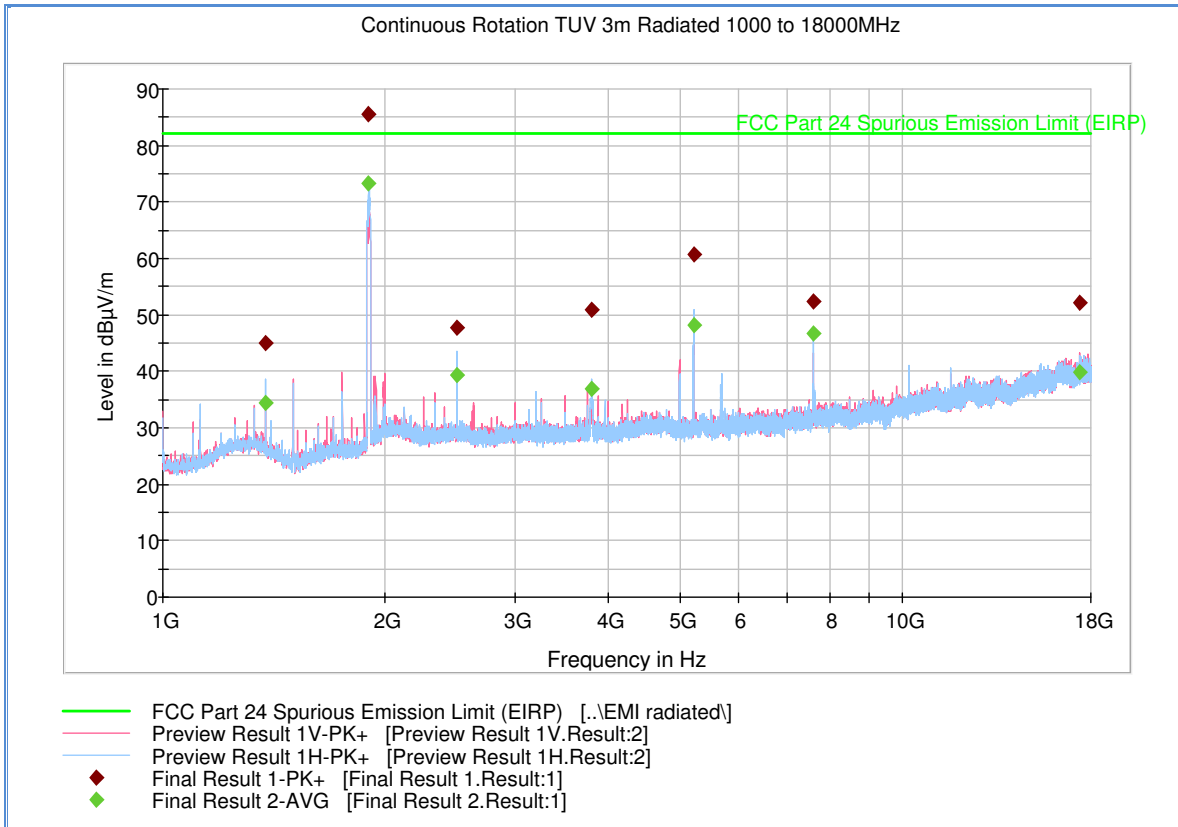
Substitution Data

Frequency (MHz)	Field Strength @ 3 meters (dBμV/m)	Cable Loss (dB)	Substitution Antenna Gain (dBi)	Signal Generator Level (dBm)	Substitution Data SGL+AG-CL (dBm)	Limit (dBm)	Compliance

Test Notes: Substitution data not required since margin is >20dB compared to the -13dBm limit (converted to field strength @ 3 meters).



2.7.13 Test Results Above 1GHz - Downlink20MHz Bandwidth High Channel



Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1375.166667	45.0	1000.0	1000.000	124.7	H	230.0	-5.6	37.2	82.2
1899.266667	85.6	1000.0	1000.000	173.6	H	138.0	-1.9	Fundamental	
2500.166667	47.8	1000.0	1000.000	99.8	V	284.0	-0.8	34.5	82.2
3801.400000	50.8	1000.0	1000.000	208.5	H	96.0	1.4	31.4	82.2
5235.233333	60.8	1000.0	1000.000	207.5	H	-1.0	3.4	21.5	82.2
7600.166667	52.3	1000.0	1000.000	301.2	H	127.0	7.0	29.9	82.2
17400.466667	52.1	1000.0	1000.000	245.4	V	61.0	18.1	30.1	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1375.166667	34.3	1000.0	1000.000	124.7	H	230.0	-5.6	47.9	82.2
1899.266667	73.4	1000.0	1000.000	173.6	H	138.0	-1.9	Fundamental	
2500.166667	39.4	1000.0	1000.000	99.8	V	284.0	-0.8	42.8	82.2
3801.400000	37.0	1000.0	1000.000	208.5	H	96.0	1.4	45.2	82.2
5235.233333	48.2	1000.0	1000.000	207.5	H	-1.0	3.4	34.1	82.2
7600.166667	46.7	1000.0	1000.000	301.2	H	127.0	7.0	35.6	82.2
17400.466667	39.8	1000.0	1000.000	245.4	V	61.0	18.1	42.5	82.2

FCC ID: NU: YETD32-21366NU
 CU: YETD32-21366CU
 IC: N/A
 Report No. SD72112724-0116B Rev1.0



America

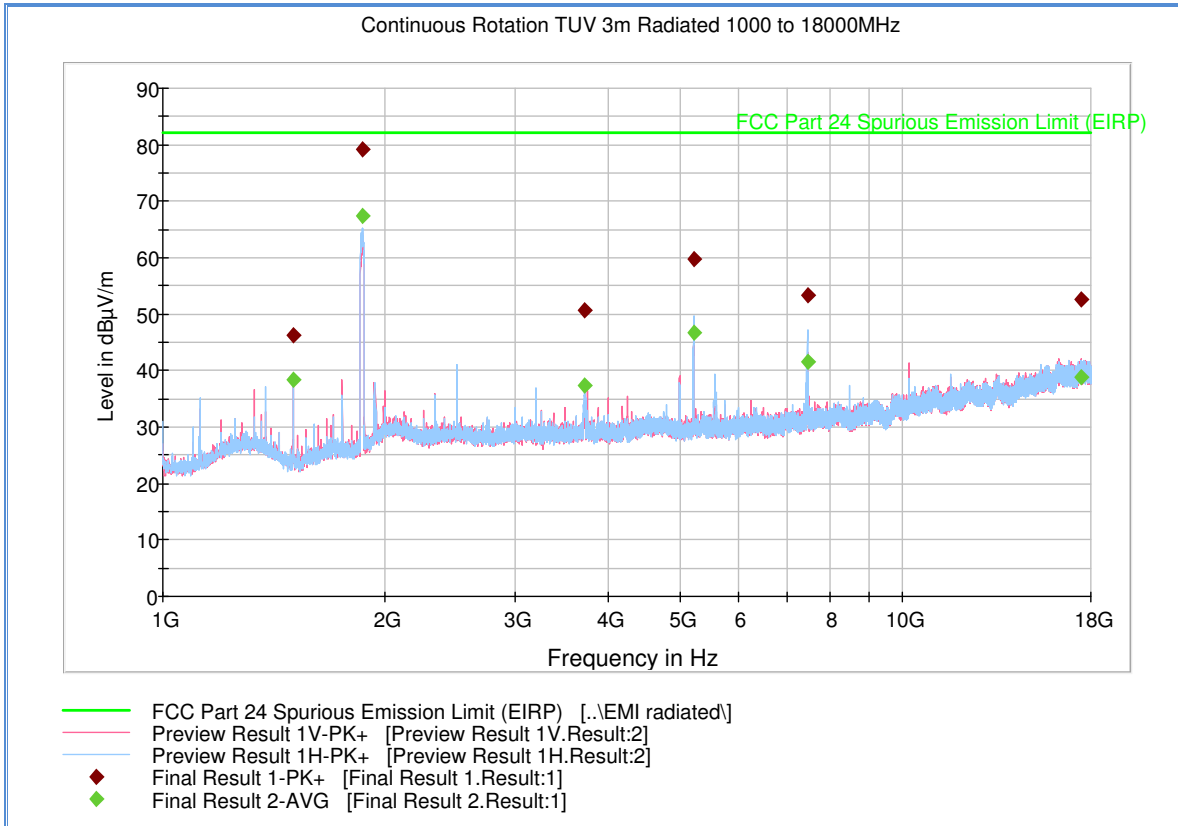
Substitution Data

Frequency (MHz)	Field Strength @ 3 meters (dBμV/m)	Cable Loss (dB)	Substitution Antenna Gain (dBi)	Signal Generator Level (dBm)	Substitution Data SGL+AG-CL (dBm)	Limit (dBm)	Compliance

Test Notes:Substitution data not required since margin is >20dB compared to the -13dBm limit (converted to field strength @ 3 meters).



2.7.14 Test Results Above 1GHz - Uplink 20MHz Low Channel



Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1500.000000	46.1	1000.0	1000.000	207.5	V	292.0	-6.3	36.1	82.2
1861.000000	79.1	1000.0	1000.000	103.7	H	171.0	-2.8	Fundamental	
3721.133333	50.8	1000.0	1000.000	121.7	H	182.0	1.2	31.5	82.2
5226.600000	59.7	1000.0	1000.000	226.4	H	9.0	3.4	22.5	82.2
7439.966667	53.3	1000.0	1000.000	198.5	H	152.0	6.8	28.9	82.2
17470.133333	52.7	1000.0	1000.000	403.5	V	195.0	18.0	29.6	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1500.000000	38.3	1000.0	1000.000	207.5	V	292.0	-6.3	43.9	82.2
1861.000000	67.3	1000.0	1000.000	103.7	H	171.0	-2.8	Fundamental	
3721.133333	37.3	1000.0	1000.000	121.7	H	182.0	1.2	45.0	82.2
5226.600000	46.8	1000.0	1000.000	226.4	H	9.0	3.4	35.4	82.2
7439.966667	41.5	1000.0	1000.000	198.5	H	152.0	6.8	40.7	82.2
17470.133333	39.0	1000.0	1000.000	403.5	V	195.0	18.0	43.3	82.2

FCC ID: NU: YETD32-21366NU
 CU: YETD32-21366CU
 IC: N/A
 Report No. SD72112724-0116B Rev1.0



America

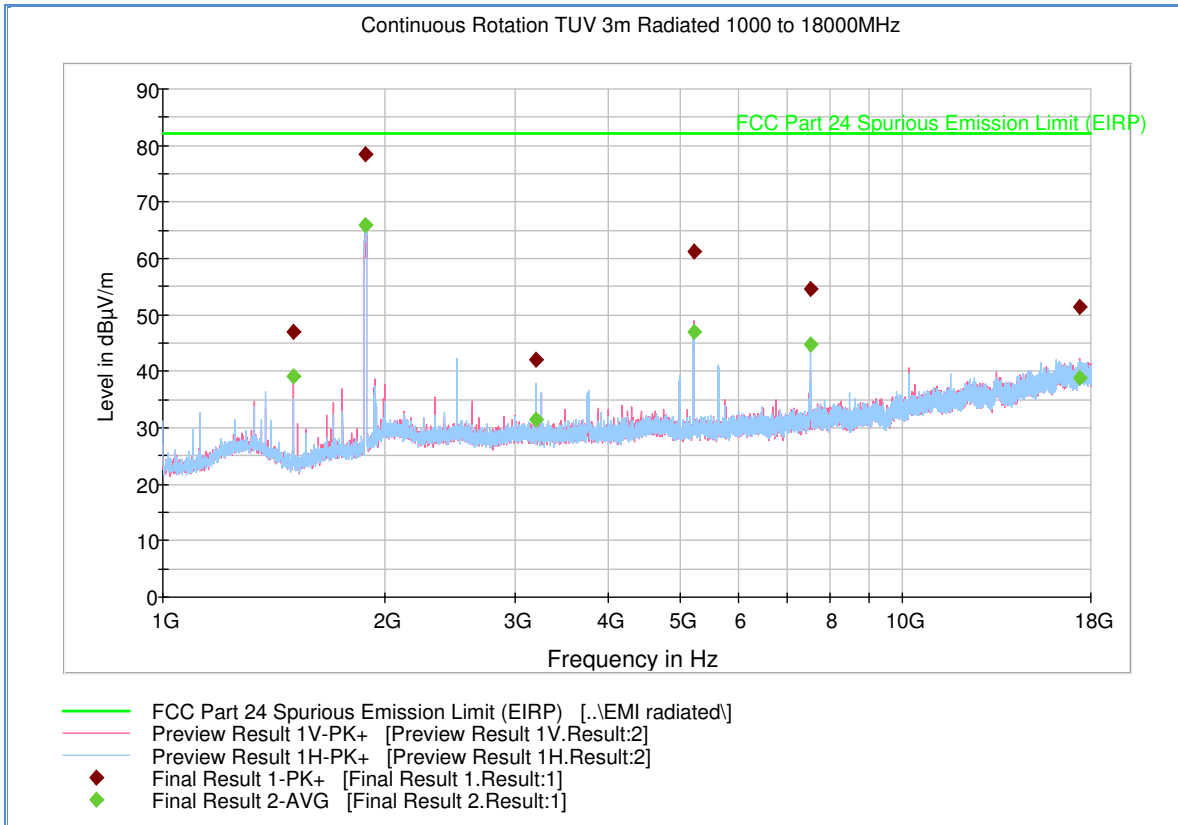
Substitution Data

Frequency (MHz)	Field Strength @ 3 meters (dBμV/m)	Cable Loss (dB)	Substitution Antenna Gain (dBi)	Signal Generator Level (dBm)	Substitution Data SGL+AG-CL (dBm)	Limit (dBm)	Compliance

Test Notes: Substitution data not required since margin is >20dB compared to the -13dBm limit (converted to field strength @ 3 meters).



2.7.15 Test Results Above 1GHz - Uplink 20MHz Bandwidth Mid Channel



Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1500.000000	47.0	1000.0	1000.000	199.5	V	291.0	-6.3	35.3	82.2
1882.100000	78.5	1000.0	1000.000	116.7	H	199.0	-2.3	Fundamental	
3200.400000	42.0	1000.0	1000.000	102.7	H	54.0	0.2	40.3	82.2
5232.266667	61.3	1000.0	1000.000	197.5	V	269.0	3.4	20.9	82.2
7519.866667	54.5	1000.0	1000.000	181.6	H	117.0	6.9	27.7	82.2
17410.333333	51.4	1000.0	1000.000	345.1	V	121.0	18.1	30.9	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1500.000000	39.1	1000.0	1000.000	199.5	V	291.0	-6.3	43.2	82.2
1882.100000	66.0	1000.0	1000.000	116.7	H	199.0	-2.3	Fundamental	
3200.400000	31.5	1000.0	1000.000	102.7	H	54.0	0.2	50.8	82.2
5232.266667	47.0	1000.0	1000.000	197.5	V	269.0	3.4	35.2	82.2
7519.866667	44.8	1000.0	1000.000	181.6	H	117.0	6.9	37.4	82.2
17410.333333	38.8	1000.0	1000.000	345.1	V	121.0	18.1	43.4	82.2

FCC ID: NU: YETD32-21366NU
 CU: YETD32-21366CU
 IC: N/A
 Report No. SD72112724-0116B Rev1.0



America

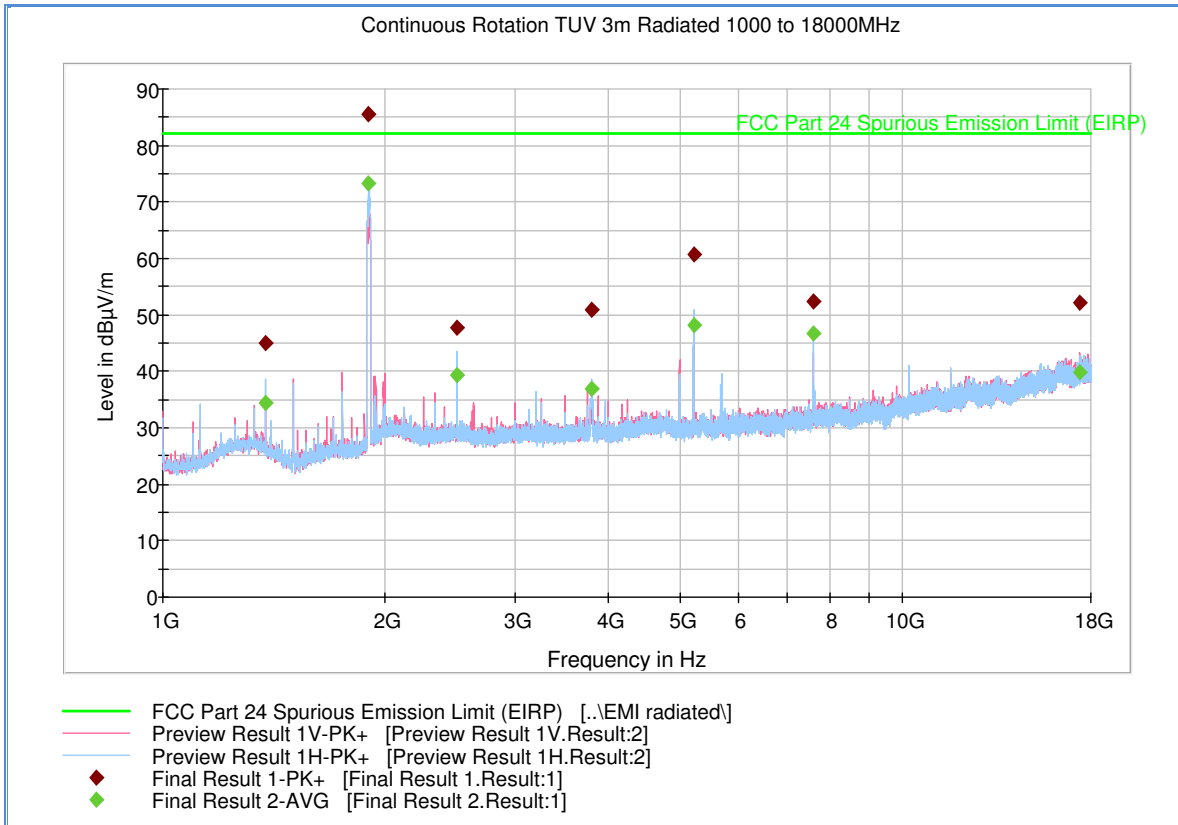
Substitution Data

Frequency (MHz)	Field Strength @ 3 meters (dBμV/m)	Cable Loss (dB)	Substitution Antenna Gain (dBi)	Signal Generator Level (dBm)	Substitution Data SGL+AG-CL (dBm)	Limit (dBm)	Compliance

Test Notes: Substitution data not required since margin is >20dB compared to the -13dBm limit (converted to field strength @ 3 meters).



2.7.16 Test Results Above 1GHz - Uplink 20MHz Bandwidth High Channel



Peak Data

Frequency (MHz)	MaxPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1375.166667	45.0	1000.0	1000.000	124.7	H	230.0	-5.6	37.2	82.2
1899.266667	85.6	1000.0	1000.000	173.6	H	138.0	-1.9	Fundamental	
2500.166667	47.8	1000.0	1000.000	99.8	V	284.0	-0.8	34.5	82.2
3801.400000	50.8	1000.0	1000.000	208.5	H	96.0	1.4	31.4	82.2
5235.233333	60.8	1000.0	1000.000	207.5	H	-1.0	3.4	21.5	82.2
7600.166667	52.3	1000.0	1000.000	301.2	H	127.0	7.0	29.9	82.2
17400.466667	52.1	1000.0	1000.000	245.4	V	61.0	18.1	30.1	82.2

Average Data

Frequency (MHz)	Average (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
1375.166667	34.3	1000.0	1000.000	124.7	H	230.0	-5.6	47.9	82.2
1899.266667	73.4	1000.0	1000.000	173.6	H	138.0	-1.9	Fundamental	
2500.166667	39.4	1000.0	1000.000	99.8	V	284.0	-0.8	42.8	82.2
3801.400000	37.0	1000.0	1000.000	208.5	H	96.0	1.4	45.2	82.2
5235.233333	48.2	1000.0	1000.000	207.5	H	-1.0	3.4	34.1	82.2
7600.166667	46.7	1000.0	1000.000	301.2	H	127.0	7.0	35.6	82.2
17400.466667	39.8	1000.0	1000.000	245.4	V	61.0	18.1	42.5	82.2

FCC ID: NU: YETD32-21366NU
 CU: YETD32-21366CU
 IC: N/A
 Report No. SD72112724-0116B Rev1.0



America

Substitution Data

Frequency (MHz)	Field Strength @ 3 meters (dBμV/m)	Cable Loss (dB)	Substitution Antenna Gain (dBi)	Signal Generator Level (dBm)	Substitution Data SGL+AG-CL (dBm)	Limit (dBm)	Compliance

Test Notes: Substitution data not required since margin is >20dB compared to the -13dBm limit (converted to field strength @ 3 meters).



2.8 FREQUENCY STABILITY

2.8.1 Specification Reference

FCC 47CFR Part 2, Clause 2.1055
FCC 47CFR Part 24, Clause 24.235
RSS-133, Clause 6.3

2.8.2 Standard Applicable

(§24.235) The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

2.8.3 Equipment Under Test and Modification State

Serial No: 921550000015 (NU and CU)/ Test Configuration A and B

2.8.4 Date of Test/Initial of test personnel who performed the test

February 01 and 02, 2016/XYZ

2.8.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.8.6 Environmental Conditions

Test performed at TÜV SÜD America Inc. Rancho Bernardo facility.

Ambient Temperature	21.3 - 22.8°C
Relative Humidity	26.6 - 29.0%
ATM Pressure	99.2 - 99.7kPa

2.8.7 Additional Observations

- This is a conducted test.
- The EUT was operated at 120.0VAC nominal voltage and was placed in the temperature chamber for the series of evaluations performed.
- Input Type "Tones" was selected and the EUT was injected a CW signal from a Signal Generator and maximum frequency error was monitored using the spectrum analyzer.



- The Temperature was reduced to -30°C and allowed to sit for 1 hour to allow the equipment and chamber temperature to stabilize. The measurements on both downlink and uplink were then performed. The temperature was then increased by 10°C steps and allowed to settle before taking the next set of measurements.
- Voltage variation was also performed at 85% and 115% of the nominal voltage.
- Middle Channel was tested as the representative configuration.

2.8.8 Test Results Summary

LTE B2 Downlink		
<i>Voltage (VAC)</i>	<i>Temperature (°C)</i>	<i>Frequency Deviation (Hz/ppm)</i>
120	-30	0 / 0
	-20	0 / 0
	-10	0 / 0
	0	0 / 0
	+10	0 / 0
	+20	0 / 0
	+30	0 / 0
	+40	0 / 0
	+50	0 / 0

LTE B2 Downlink		
<i>Temperature (°C)</i>	<i>Voltage (VAC)</i>	<i>Frequency Deviation (Hz/ppm)</i>
20	102	0 / 0
	138	0 / 0



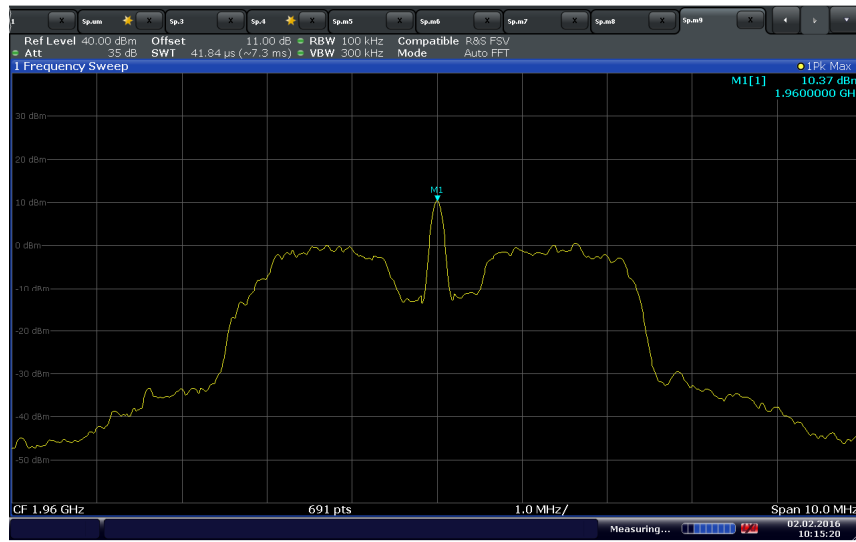
America

LTE B2 Uplink		
<i>Voltage (VAC)</i>	<i>Temperature (°C)</i>	<i>Frequency Deviation (Hz/ppm)</i>
120	-30	0 / 0
	-20	0 / 0
	-10	0 / 0
	0	0 / 0
	+10	0 / 0
	+20	0 / 0
	+30	0 / 0
	+40	0 / 0
	+50	0 / 0

LTE B2 Uplink		
<i>Temperature (°C)</i>	<i>Voltage (VAC)</i>	<i>Frequency Deviation (Hz/ppm)</i>
20	102	0 / 0
	138	0 / 0



2.8.9 Sample Test Plots



Downlink Mid Channel 120VAC @ 20°C



2.9 POWER LINE CONDUCTED EMISSIONS

2.9.1 Specification Reference

RSS-Gen 8.8

2.9.2 Standard Applicable

A radio apparatus that is designed to be connected to the public utility (AC) power line shall ensure that the radio frequency voltage, which is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz-30 MHz, shall not exceed the limits in table below.

Unless the requirements applicable to a given device state otherwise, for any radio apparatus equipped to operate from the public utility AC power supply either directly or indirectly (such as with a battery charger), the radio frequency voltage of emissions conducted back onto the AC power lines in the frequency range of 0.15 MHz to 30 MHz shall not exceed the limits shown in table below. The more stringent limit applies at the frequency range boundaries.

Frequency of emission (MHz)	Conducted limit (dBµV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

**Decreases with the logarithm of the frequency.*

2.9.3 Equipment Under Test and Modification State

Serial No: 921550000015 (NU and CU) / Default Test Configuration

2.9.4 Date of Test/Initial of test personnel who performed the test

January 18, 2016/XYZ

2.9.5 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.9.6 Environmental Conditions

Ambient Temperature 22.5 °C
 Relative Humidity 52.6.%
 ATM Pressure 99.9 kPa



2.9.7 Additional Observations

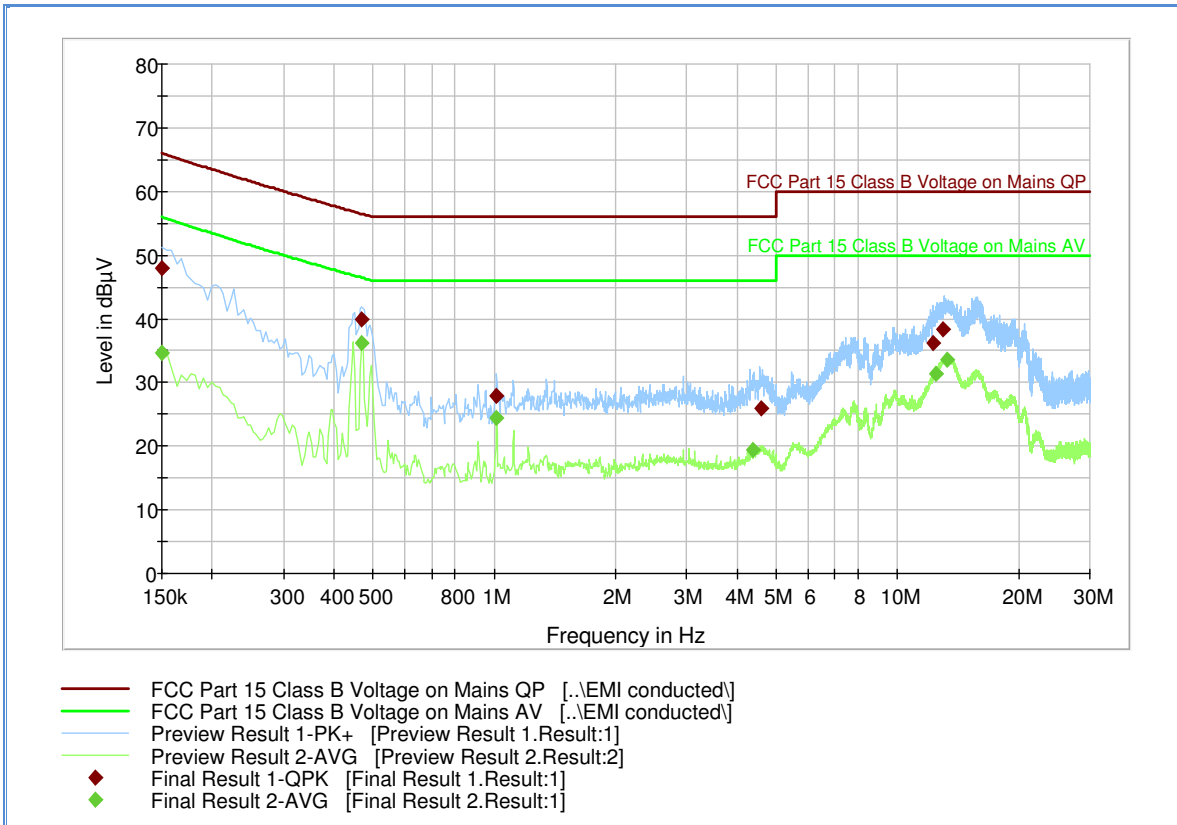
- The EUT was verified using AC adapter supplied by the manufacturer..
- EUT verified using input voltage of 120VAC 60Hz.
- There are no significant variations in test results between each operating modes. Only the normal operation mode observed is presented.
- Measurement was done using EMC32 automated software. Reported level is the actual level with all the correction factors factored in. Correction Factor column is for informational purposes only. See Section 2.2.8 for sample computation.

2.9.8 Sample Computation (Conducted Emission – Quasi Peak)

Measuring equipment raw measurement (db μ V) @ 150kHz			5.5
Correction Factor (dB)	Asset# 8607 (20 dB attenuator)	19.9	20.7
	Asset# 1177 (cable)	0.15	
	Asset# 1176 (cable)	0.35	
	Asset# 7567 (LISN)	0.30	
Reported QuasiPeak Final Measurement (dbμV) @ 150kHz			26.2



2.9.9 Test Results - Conducted Emissions Line 1 – Hot (NU)



Quasi Peak

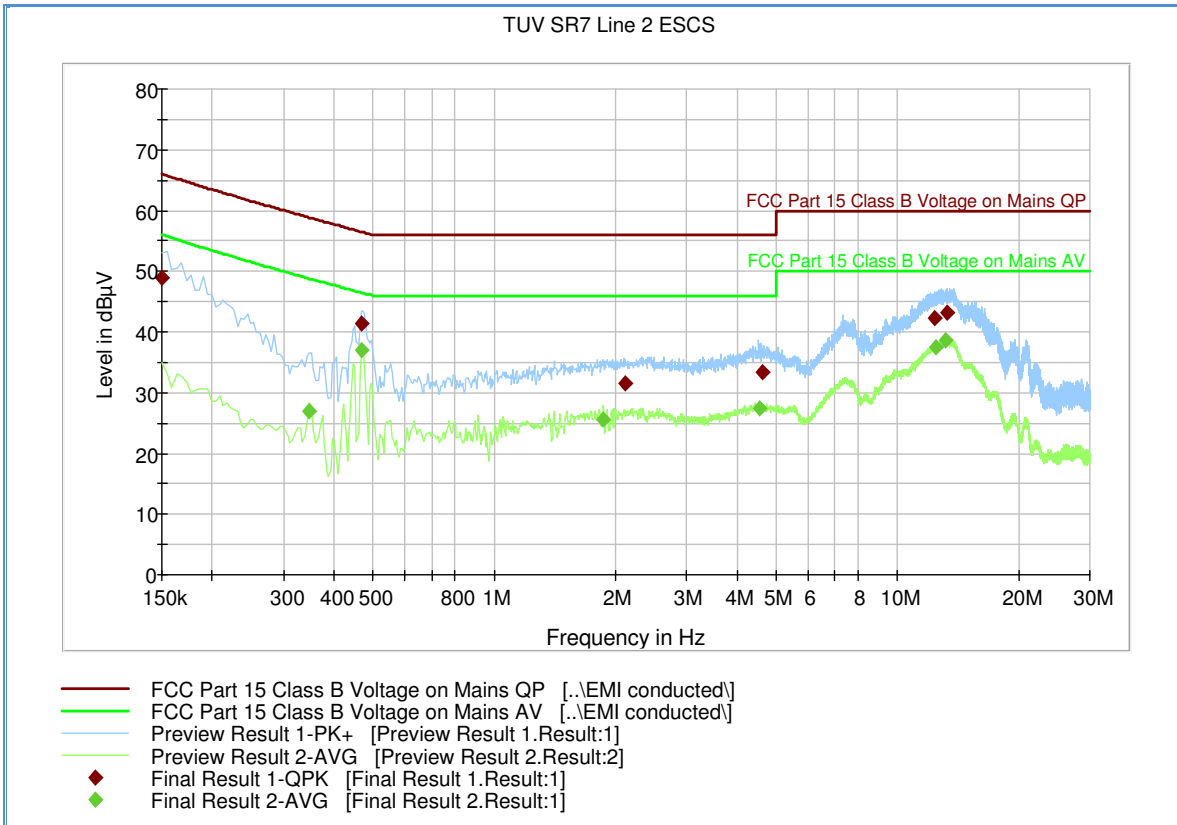
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV)
0.150000	47.9	1000.0	9.000	Off	L1	20.1	18.1	66.0
0.469500	40.0	1000.0	9.000	Off	L1	20.1	16.5	56.5
1.014000	28.0	1000.0	9.000	Off	L1	20.2	28.0	56.0
4.609500	25.9	1000.0	9.000	Off	L1	20.5	30.1	56.0
12.246000	36.2	1000.0	9.000	Off	L1	20.6	23.8	60.0
12.997500	38.4	1000.0	9.000	Off	L1	20.6	21.6	60.0

Average

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin - Ave (dB)	Limit - Ave (dBµV)
0.150000	34.6	1000.0	9.000	Off	L1	20.1	21.4	56.0
0.469500	36.3	1000.0	9.000	Off	L1	20.1	10.2	46.5
1.014000	24.4	1000.0	9.000	Off	L1	20.2	21.6	46.0
4.366500	19.5	1000.0	9.000	Off	L1	20.4	26.5	46.0
12.408000	31.4	1000.0	9.000	Off	L1	20.6	18.6	50.0
13.263000	33.7	1000.0	9.000	Off	L1	20.6	16.3	50.0



2.9.10 FCC Conducted Emissions Line 2 – Neutral (NU)



Quasi Peak

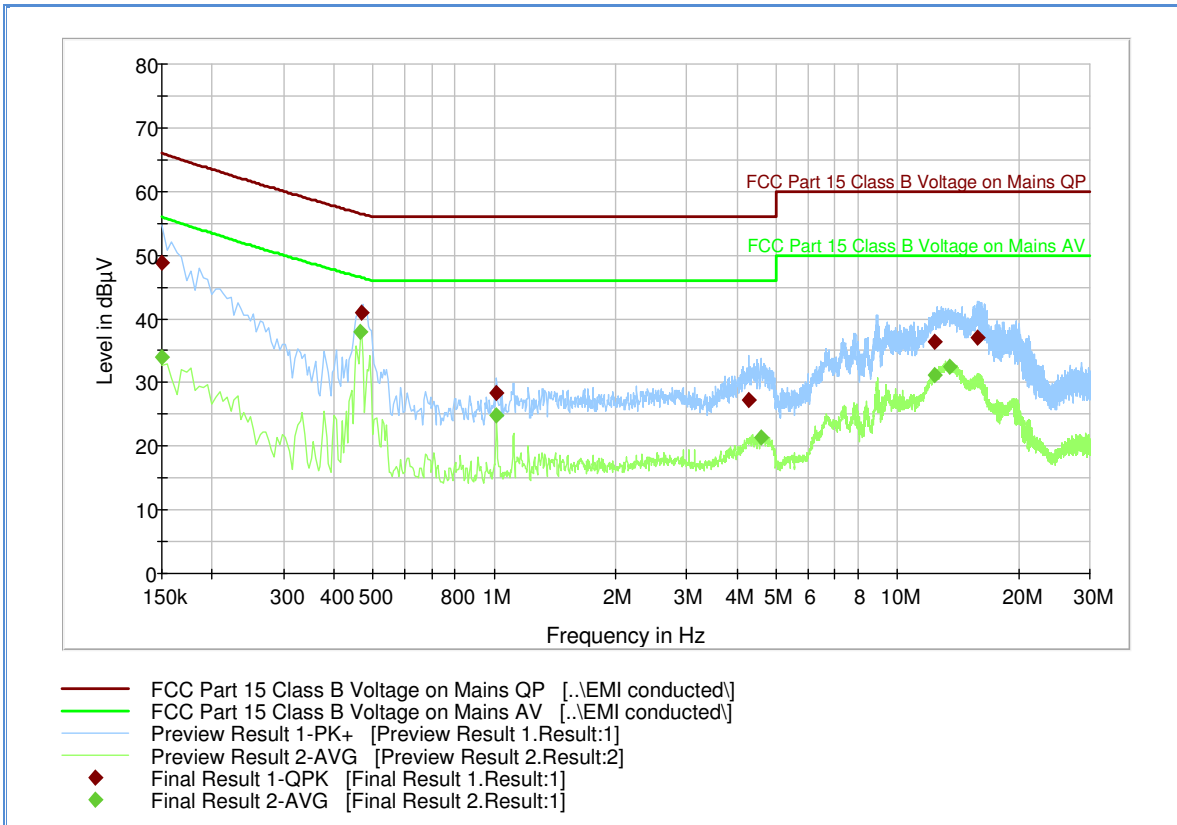
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV)
0.150000	49.0	1000.0	9.000	Off	N	20.1	17.0	66.0
0.469500	41.5	1000.0	9.000	Off	N	20.1	15.0	56.5
2.107500	31.5	1000.0	9.000	Off	N	20.3	24.5	56.0
4.623000	33.4	1000.0	9.000	Off	N	20.4	22.6	56.0
12.358500	42.4	1000.0	9.000	Off	N	20.7	17.6	60.0
13.281000	43.2	1000.0	9.000	Off	N	20.6	16.8	60.0

Average

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin - Ave (dB)	Limit - Ave (dBµV)
0.348000	26.9	1000.0	9.000	Off	N	20.2	21.9	48.8
0.469500	37.1	1000.0	9.000	Off	N	20.1	9.4	46.5
1.860000	25.7	1000.0	9.000	Off	N	20.2	20.3	46.0
4.537500	27.5	1000.0	9.000	Off	N	20.4	18.5	46.0
12.435000	37.5	1000.0	9.000	Off	N	20.7	12.5	50.0
13.177500	38.5	1000.0	9.000	Off	N	20.6	11.5	50.0



2.9.11 Test Results - Conducted Emissions Line 1 – Hot (CU)



Quasi Peak

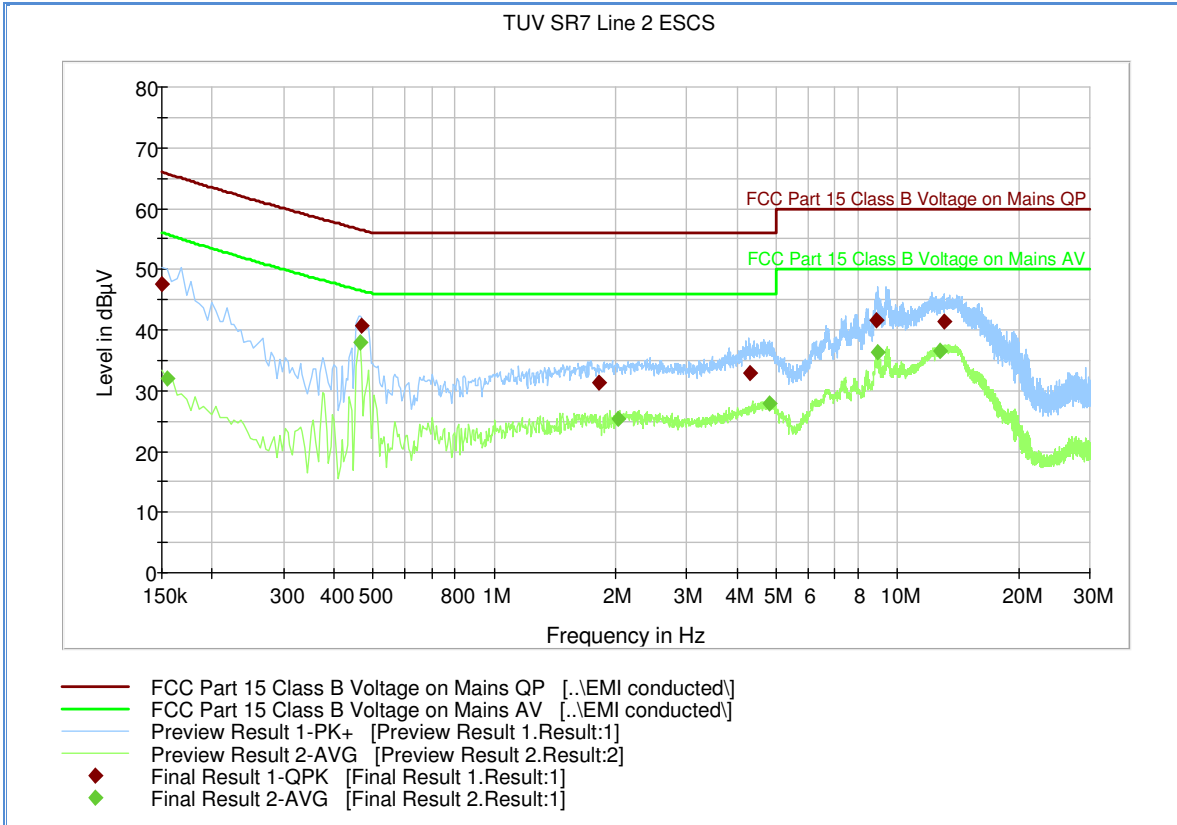
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV)
0.150000	48.9	1000.0	9.000	Off	L1	20.1	17.1	66.0
0.469500	40.9	1000.0	9.000	Off	L1	20.1	15.6	56.5
1.014000	28.3	1000.0	9.000	Off	L1	20.2	27.7	56.0
4.285500	27.2	1000.0	9.000	Off	L1	20.4	28.8	56.0
12.363000	36.4	1000.0	9.000	Off	L1	20.6	23.6	60.0
15.841500	37.1	1000.0	9.000	Off	L1	20.6	22.9	60.0

Average

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin - Ave (dB)	Limit - Ave (dBµV)
0.150000	33.9	1000.0	9.000	Off	L1	20.1	22.1	56.0
0.465000	37.8	1000.0	9.000	Off	L1	20.1	8.7	46.5
1.014000	24.9	1000.0	9.000	Off	L1	20.2	21.1	46.0
4.582500	21.3	1000.0	9.000	Off	L1	20.4	24.7	46.0
12.403500	31.3	1000.0	9.000	Off	L1	20.6	18.7	50.0
13.452000	32.4	1000.0	9.000	Off	L1	20.6	17.6	50.0



2.9.12 FCC Conducted Emissions Line 2 – Neutral (CU)



Quasi Peak

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV)
0.150000	47.4	1000.0	9.000	Off	N	20.1	18.6	66.0
0.469500	40.8	1000.0	9.000	Off	N	20.1	15.7	56.5
1.819500	31.2	1000.0	9.000	Off	N	20.2	24.8	56.0
4.312500	32.9	1000.0	9.000	Off	N	20.4	23.1	56.0
8.875500	41.6	1000.0	9.000	Off	N	20.5	18.4	60.0
13.101000	41.4	1000.0	9.000	Off	N	20.6	18.6	60.0

Average

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin - Ave (dB)	Limit - Ave (dBµV)
0.154500	32.0	1000.0	9.000	Off	N	20.0	23.7	55.7
0.465000	37.8	1000.0	9.000	Off	N	20.1	8.7	46.5
2.031000	25.4	1000.0	9.000	Off	N	20.1	20.6	46.0
4.803000	27.8	1000.0	9.000	Off	N	20.5	18.2	46.0
8.938500	36.2	1000.0	9.000	Off	N	20.5	13.8	50.0
12.741000	36.6	1000.0	9.000	Off	N	20.7	13.4	50.0

FCC ID: NU: YETD32-21366NU
CU: YETD32-21366CU
IC: N/A
Report No. SD72112724-0116B Rev1.0



SECTION 3

TEST EQUIPMENT USED



3.1 TEST EQUIPMENT USED

List of absolute measuring and other principal items of test equipment.

ID Number (SDGE/SDRB)	Test Equipment	Type	Serial Number	Manufacturer	Cal Date	Cal Due Date
Antenna Conducted Port Setup						
7604	P-Series Power Meter	N1912A	SG45100273	Agilent	05/27/15	05/27/16
7605	50MHz-18GHz Wideband Power Sensor	N1921A	MY51100054	Agilent	04/10/15	04/10/16
7582	Signal/Spectrum Analyzer	FSW26	101614	Rhode & Schwarz	10/05/15	10/05/16
7608	Vector Signal Generator	SMBV100A	259021	Rhode & Schwarz	07/29/15	07/29/16
7562	Wideband Radio Communication Tester	CMW 500	1201.0002k50 /103829	Rhode & Schwarz	For signalling	
8772	10dB Attenuator	606-10-1F4/DR	-	MECA	Verified by 7582 and 7608	
Radiated Emissions						
1033	Bilog Antenna	3142C	00044556	EMCO	09/25/15	09/25/16
7575	Double-ridged waveguide horn antenna	3117	00155511	EMCO	04/27/15	04/27/16
8628	Pre-amplifier	QLJ 01182835-JO	8986002	QuinStar Technologies Inc.	03/20/15	03/20/16
1040	EMI Test Receiver	ESIB40	100292	Rhode & Schwarz	09/29/15	09/29/16
1049	EMI Test Receiver	ESU	100133	Rhode & Schwarz	03/11/15	03/11/16
1016	Pre-amplifier	PAM-0202	187	PAM	12/15/15	12/15/16
1153	High-frequency cable	SucoFlex 100 SX	N/A	Suhner	04/03/15	04/03/16
8543	High-frequency cable	Micropore 19057793	N/A	United Microwave Products	09/03/15	09/03/16
1151	Pre-amplifier	TS-PR26	100026	Rhode & Schwarz	05/03/15	05/03/16
Conducted Emissions						
1024	EMI Test Receiver	ESCS 30	847793/001	Rhode & Schwarz	04/10/15	04/10/16
7567	LISN	FCC-LISN-50-25-2-10	120304	Fischer Custom Comm.	07/14/15	07/14/16
7568	LISN	FCC-LISN-50-25-2-10	120305	Fischer Custom Comm.	10/28/15	10/28/16
8822	20dB Attenuator	34-20-34	N/A	MCE / Weinschel	02/20/15	02/20/16
8824	20dB Attenuator	34-20-34	N/A	MCE / Weinschel	02/20/15	02/20/16
7562	Wideband Radio Communication Tester	CMW 500	1201.0002k50 /103829	Rhode & Schwarz	For signalling	

FCC ID: NU: YETD32-21366NU
 CU: YETD32-21366CU
 IC: N/A
 Report No. SD72112724-0116B Rev1.0



America

Miscellaneous						
6792	Multimeter	3478A	2911A70964	Hewlett Packard	08/14/15	08/14/16
11312	Mini Environmental Quality Meter	850027	CF099-56010-340	Sper Scientific	04/09/15	04/09/16
	DC Power Supply	35010M	D102007S	Protek	Verified by 6792	
	Test Software	EMC32	V8.53	Rhode & Schwarz	N/A	



3.2 MEASUREMENT UNCERTAINTY

For a 95% confidence level, the measurement uncertainties for defined systems are:

3.2.1 Conducted Measurements

Contribution		Probability Distribution Type	Probability Distribution x_i	Standard Uncertainty $u(x_i)$	$[u(x_i)]^2$
1	Receiver/Spectrum Analyzer	Rectangular	0.36	0.21	0.04
2	Cables	Rectangular	0.50	0.29	0.08
3	LISN	Rectangular	0.66	0.38	0.15
4	Attenuator	Rectangular	0.30	0.17	0.03
5	EUT Setup	Rectangular	1.00	0.58	0.33
Combined Uncertainty (u_c):					0.80
Coverage Factor (k):					2
Expanded Uncertainty:					1.59

3.2.2 Radiated Measurements (Below 1GHz)

Contribution		Probability Distribution Type	Probability Distribution x_i	Standard Uncertainty $u(x_i)$	$[u(x_i)]^2$
1	Receiver/Spectrum Analyzer	Rectangular	0.45	0.26	0.07
2	Cables	Rectangular	0.50	0.29	0.08
3	Preamp	Rectangular	0.50	0.29	0.08
4	Antenna	Rectangular	0.75	0.43	0.19
5	Site	Rectangular	2.70	1.56	2.43
6	EUT Setup	Rectangular	1.00	0.58	0.33
Combined Uncertainty (u_c):					1.78
Coverage Factor (k):					2
Expanded Uncertainty:					3.57

3.2.3 Radiated Emission Measurements (Above 1GHz)

Contribution		Probability Distribution Type	Probability Distribution x_i	Standard Uncertainty $u(x_i)$	$[u(x_i)]^2$
1	Receiver/Spectrum Analyzer	Rectangular	0.57	0.33	0.11
2	Cables	Rectangular	0.70	0.40	0.16
3	Preamp	Rectangular	0.50	0.29	0.08
4	Antenna	Rectangular	0.37	0.21	0.05
5	Site	Rectangular	2.70	1.56	2.43
6	EUT Setup	Rectangular	1.00	0.58	0.33
Combined Uncertainty (u_c):					1.78
Coverage Factor (k):					2
Expanded Uncertainty:					3.56



3.2.4 Conducted Antenna Port Measurement

Contribution		Probability Distribution Type	Probability Distribution x_i	Standard Uncertainty $u(x_i)$	$[u(x_i)]^2$
1	Receiver/Spectrum Analyzer	Rectangular	0.57	0.33	0.11
2	Cables	Rectangular	0.50	0.29	0.08
3	EUT Setup	Rectangular	1.00	0.58	0.33
Combined Uncertainty (u_c):					0.72
Coverage Factor (k):					2
Expanded Uncertainty:					1.45

FCC ID: NU: YETD32-21366NU
CU: YETD32-21366CU
IC: N/A
Report No. SD72112724-0116B Rev1.0



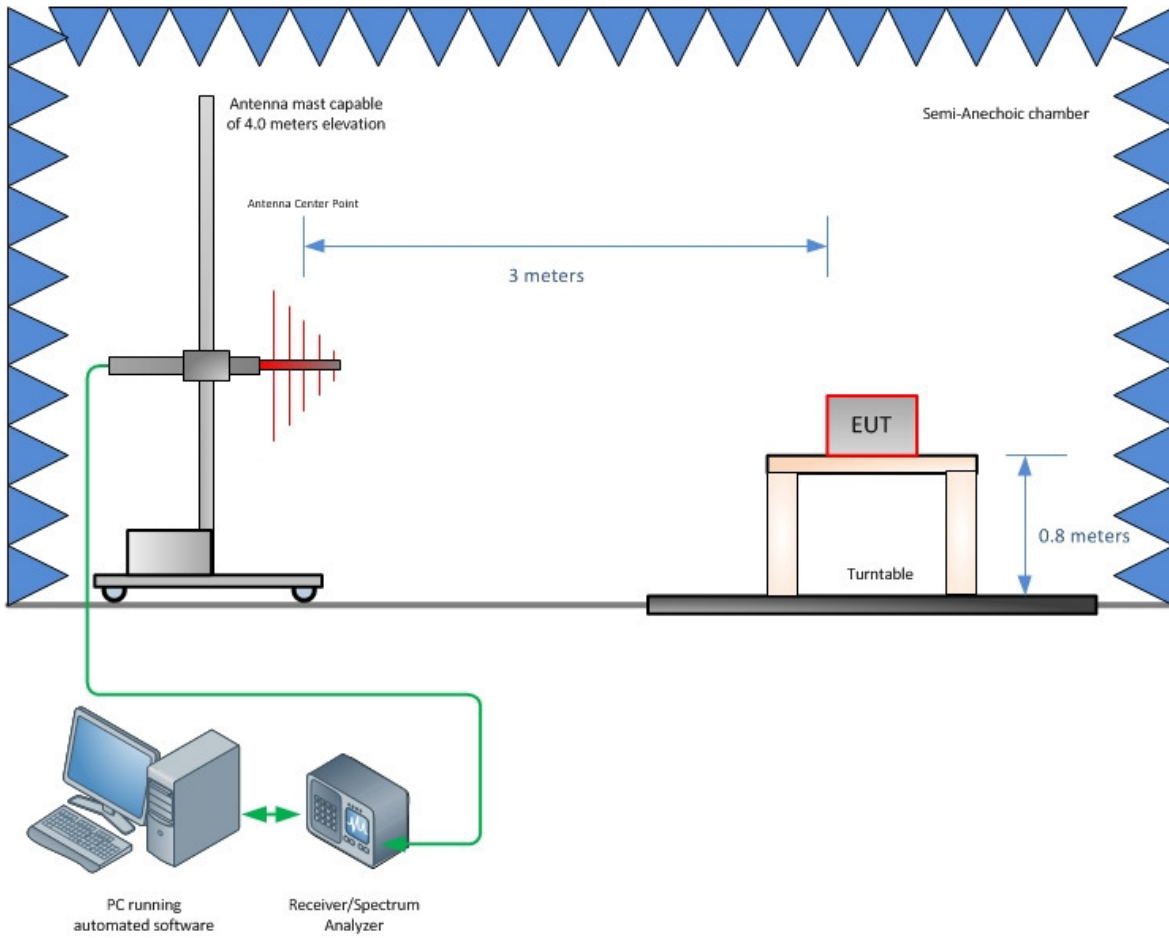
SECTION 4

DIAGRAM OF TEST SETUP

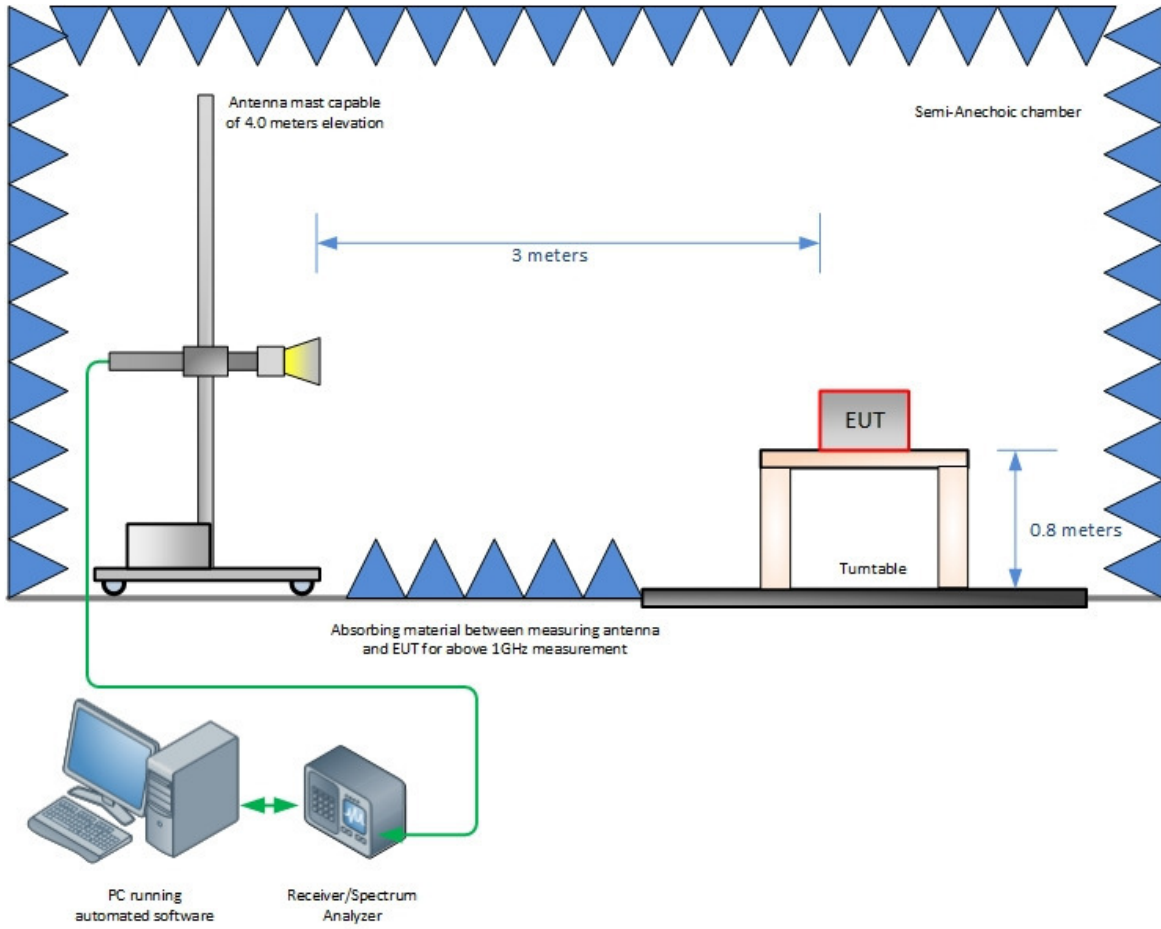


America

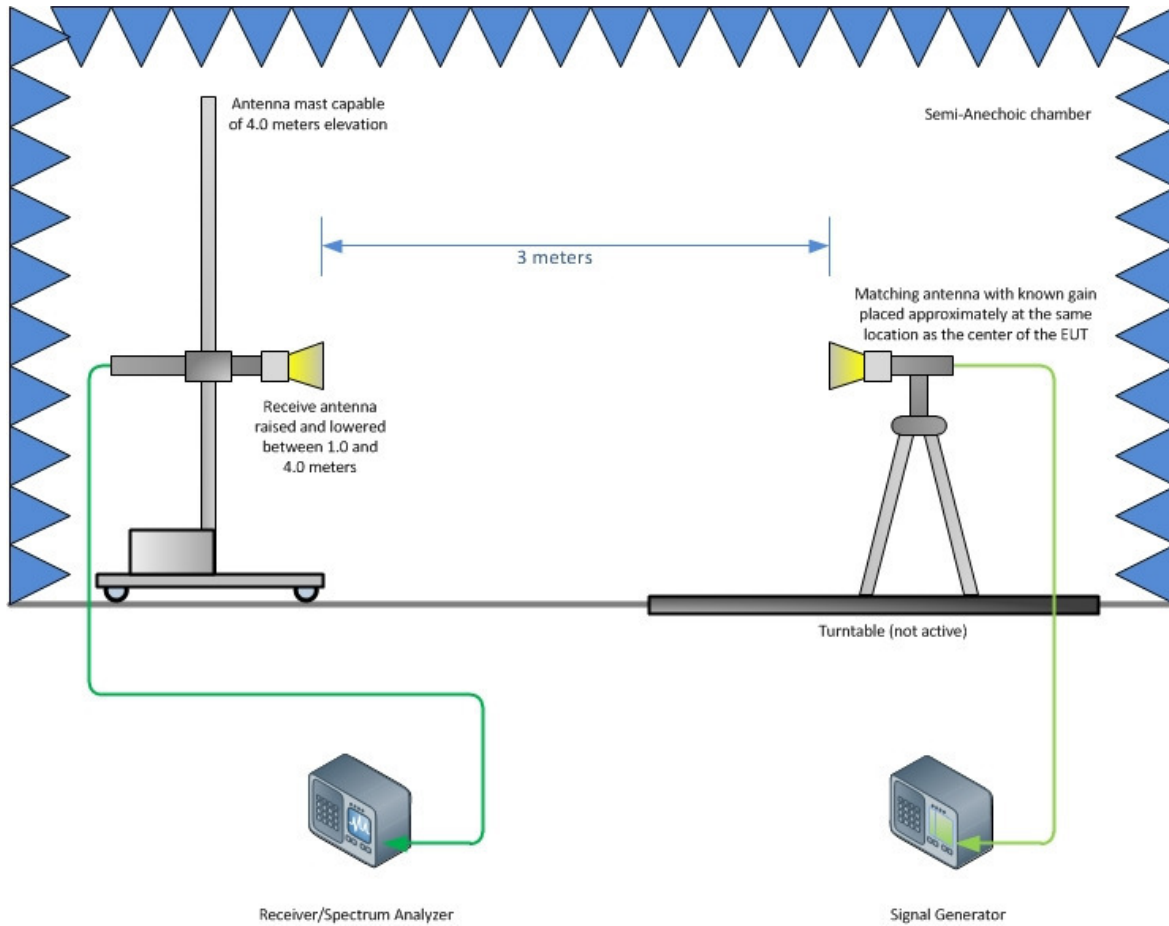
4.1 TEST SETUP DIAGRAM



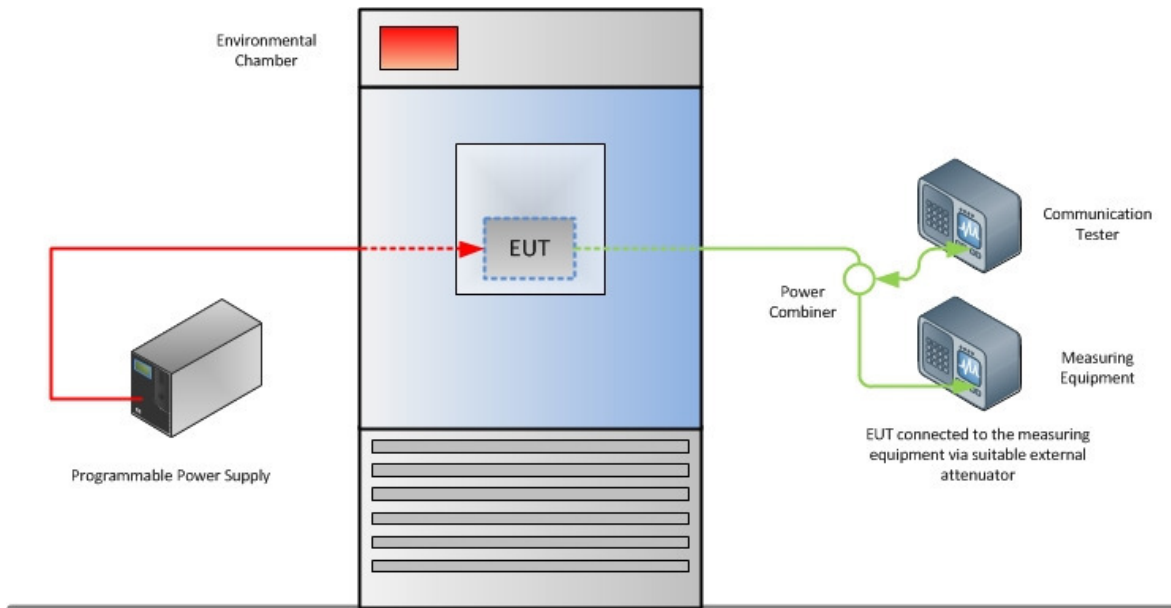
Radiated Emission Test Setup (Below 1GHz)



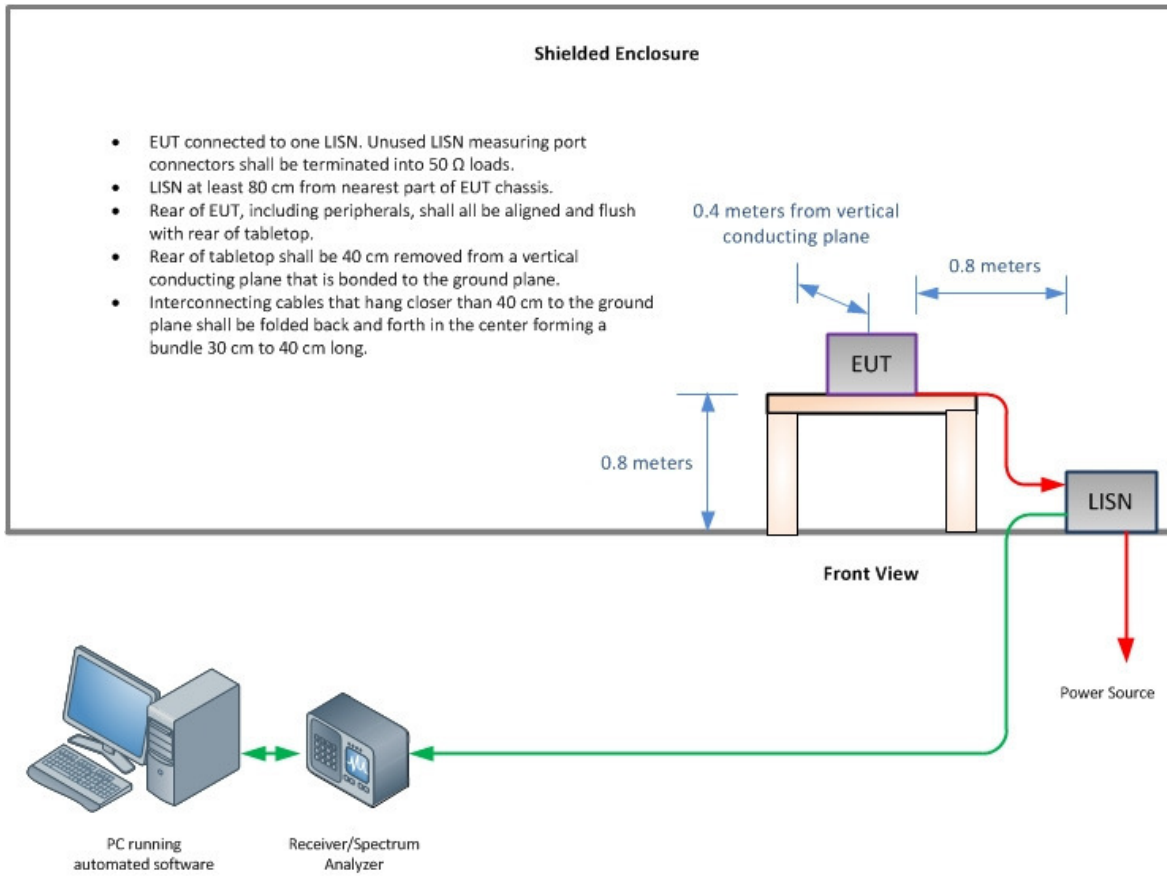
Radiated Emission Test Setup (Above 1GHz)



Substitution Test Method (Above 1GHz, if applicable)



Frequency Stability Test Configuration



Conducted Emissions Test Configuration (if applicable)

FCC ID: NU: YETD32-21366NU
CU: YETD32-21366CU
IC: N/A
Report No. SD72112724-0116B Rev1.0



SECTION 5

ACCREDITATION, DISCLAIMERS AND COPYRIGHT



5.1 ACCREDITATION, DISCLAIMERS AND COPYRIGHT

TÜV SÜD America Inc.'s reports apply only to the specific sample tested under stated test conditions. It is the manufacturer's responsibility to assure the continued compliance of production units of this model. TÜV SÜD America, Inc. shall have no liability for any deductions, inferences or generalizations drawn by the client or others from TÜV SÜD America, Inc.'s issued reports.

This report is the confidential property of the client. As a mutual protection to our clients, the public and TÜV SÜD America, Inc., extracts from the test report shall not be reproduced, except in full without TÜV SÜD America, Inc.'s written approval.

This report must not be used to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the federal government.

TÜV SÜD America, Inc. and its professional staff hold government and professional organization certifications for AAMI, ACIL, AEA, ANSI, IEEE, A2LA, NIST and VCCI.



A2LA Cert. No. 2955.13

