FCC
MEASUREMENT AND TEST REPORT
For
ZTE Corporation

ZTE Plaza, Hi-tech Park, Nanshan District, Shenzhen,
Guangdong, China 518057

FCC ID: Q78-BS8922T2600L

This Report Concerns: ☒ Original Report	**Equipment Type:** LTE Remote Radio Unit

Test Engineer: Jennie.He

Report No: RF20170207002RP

Test Date: Mar 7 –Apr 18, 2017

Reviewed By: Xie Yuming

Prepared By: ZTE Corporation.

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Fax: +86-755-26771999

Note: The test report is specially limited to the above company and this particular sample only. It may not be duplicated without prior written consent of ZTE Corporation. This report must not be used by the client to claim product certification 、approval 、or endorsement by any agency of the US Government.

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1 GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The ZTE Corporation's product, model number: ZXSDR BS8922 T2600 or the "EUT" as referred to in this report is a LTE Remote Radio Unit.

Technical specification:
Total Weight: 8kg
Volume: 7L
Dimensions (H*W*D): 310 mm x 290 mm x 120 mm
Input voltage: -48VDC (-58VDC to -38VDC)
Frequency range: 2496 MHz~2602 MHz
Carrier and bandwidth: 2carriers, 40MHz
Max RF output power: 37dBm one port
Modulation type of emission: LTE
Appearance of EUT:

Figure 1 External View of the ZXSDR BS8922 T2600

Objective

This Type approval report is prepared on behalf of ZTE Corporation in accordance with Part 2、Part 15、Part

27 of the Federal Communication Commission rules.

Related Submittal(s)/GrPort(s)

No related submittal(s).

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of federal Regulations Title 47 Part 2. as well as the following parts:
Part 24 Wireless Communication Services
Applicable Standards: TIA EIA 137-A, TIA EIA 97-D, TIA/EIA 603-C, Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.
All radiated and conducted measurement was performed at ZTE Corporation Reliability Testing Center. The radiated testing was performed at an Portenna-to-EUT distance of 3 meters.

Test Facility

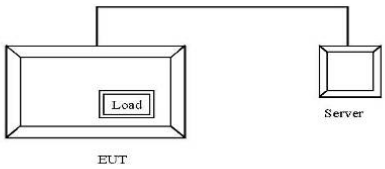
The Test site used by ZTE Corporation to collect test data is located in the 1/F,B2 Wing, ZTE Plaza, Keji Road South, Shenzhen, Guangdong, 518057, P.R.China, Tel: +86-755-26771609,Fax: +86-755-26770347. Test site at ZRT EMC Shenzhen Laboratory has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2009.
The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 373926. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

2 SYSTEM TEST CONFIGURATION

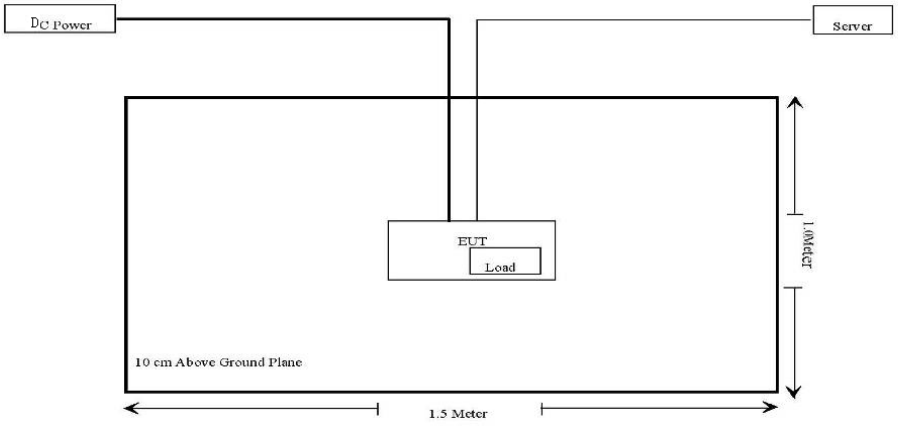
Description of Test Configuration

Justification
The EUT was configured for testing according to TIA/EIA-603C.
The final qualification test was performed with EUT operating at normal mode.
Equipment Modifications
ZTE Corporation has not done any modification on the EUT.

Configuration of Test Setup



Block Diagram of Test Setup



3 SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT
§ 2.1046 , §27.50	RF power output	Compliant
§ 2.1047	Modulation characteristics	Compliant
§ 2.1049	Occupied Bandwidth	Compliant
§ 2.1051, §27.53	Spurious emissions at Portenna terminals	Compliant
§ 2.1051, §27.53	Spurious emissions	Compliant

§ 2.1055, §27.74	Frequency stability	Compliant

4 RF POWER OUTPUT

Applicable Standard： FCC § 2.1046 , §27.50

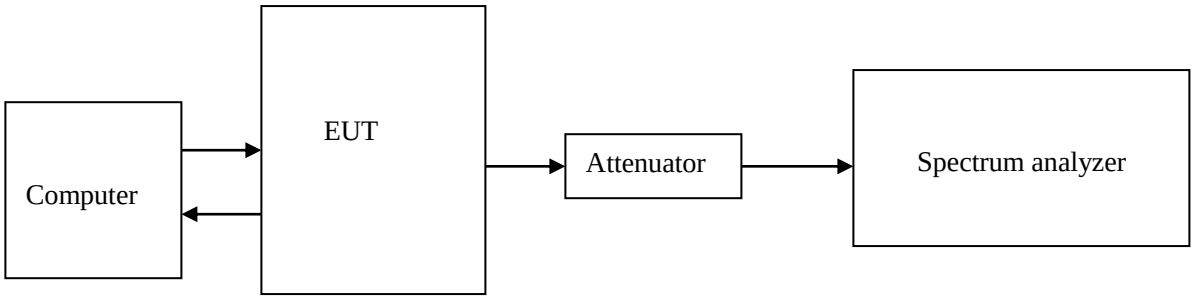
According to FCC §2.1046 & 27.50(h)
1) Main, booster and base stations. (i) The maximum EIRP of a main, booster or base station shall not exceed 33 dBW + 10log(X/Y) dBW, where X is the actual channel width in MHz and Y is either 6 MHz if prior to transition or the station is in the MBS following transition or 5.5 MHz if the station is in the LBS and UBS following transition, except as provided in paragraph (h)(1)(ii) of this section.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	MXA Series Spectrum Analyzer	N9020A	MY51240239	2016.11.28	2017.11.28

*__statement of traceability:__ ZTE Corporation Reliability Testing Center attests that all calibration has been performed per the NVLAP requirements, traceable to NIST.

Test Procedure



The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation. External attenuation Loss is 40dB, Cable Loss is about 6.1dB, the detector is peak.
Radiated power (dBm) = Conducted power (dBm) + Portenna gain (dBi) – Signal attenuation in the connecting cable between the transmitter and Portenna (dB)
Portenna gain (dBi):17dBi
Signal attenuation in the connecting cable between the transmitter and Portenna (dB):0.6dB

Environmental Conditions

Temperature:	20 °C
Relative Humidity:	53 %
ATM Pressure:	1009 mbar

Test Result: Pass

Test Mode: Transmitting LTE

Test Data:

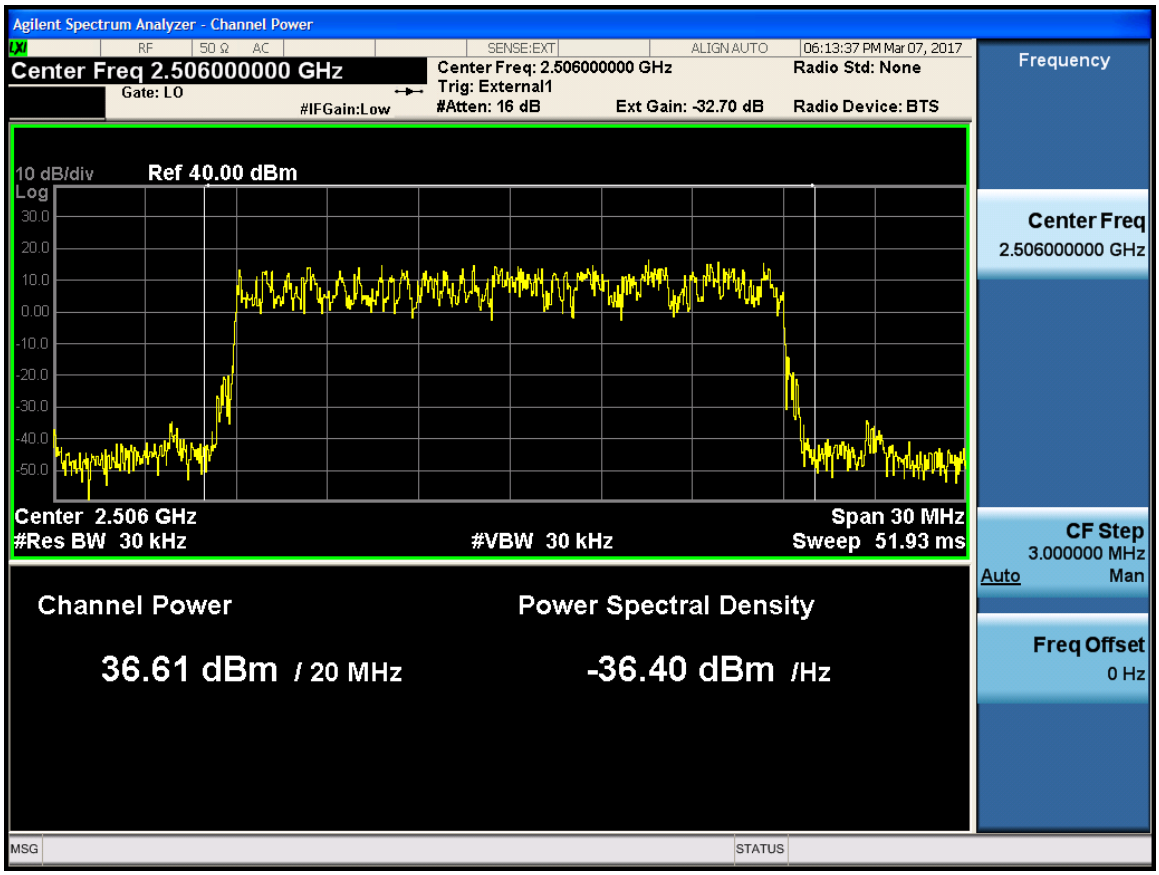
One Carrier

Channel Bandwidth: 20M (1 port)

Port	Carrier Freq(MHz)	Output Power					
		QPSK		16QAM		64QAM	
		dBm	W	dBm	W	dBm	W
0	2506	36.61	4.58	36.79	4.78	37.04	5.06
1		36.59	4.56	36.76	4.74	37	5.01
0	2549	36.84	4.83	37.01	5.02	37.26	5.32
1		36.51	4.48	36.7	4.68	36.96	4.97
0	2592	36.7	4.68	36.92	4.92	36.86	4.85
1		36.34	4.31	36.59	4.56	36.84	4.83

Channel Bandwidth: 20M (2ports)

Carrier Freq(MHz)	Output Power									limit(dBw
	QPSK			16QAM			64QAM			
	dBm	EIRP(dBm)	EIRP(dBw)	dBm	EIRP(dBm)	EIRP(dBw)	dBm	EIRP(dBm)	EIRP(dBw)	
2506	39.61	51.61	21.61	39.79	51.79	21.79	40.03	52.03	22.03	<41.2
2549	39.69	51.69	21.69	39.87	51.87	21.87	40.12	52.12	22.12	<41.2
2592	39.53	51.53	21.53	39.77	51.77	21.77	39.68	51.86	21.86	<41.2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50 Ω AC
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ALIGN AUTO
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Center Freq 2.506000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.506000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.506 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
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Power Spectral Density
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CF Step
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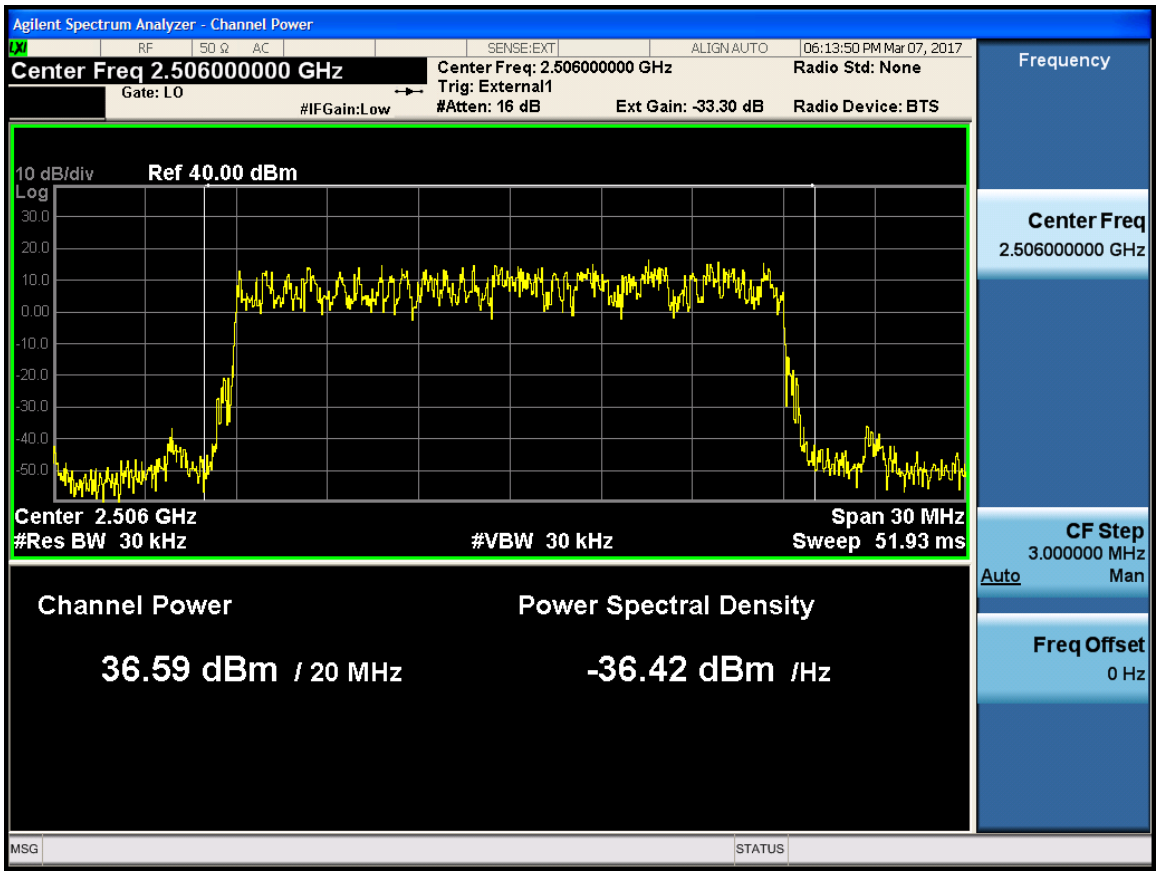
STATUS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Gate: LO
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Center Freq: 2.506000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.506 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.59 dBm / 20 MHz
Power Spectral Density
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CF Step
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Auto
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Freq Offset
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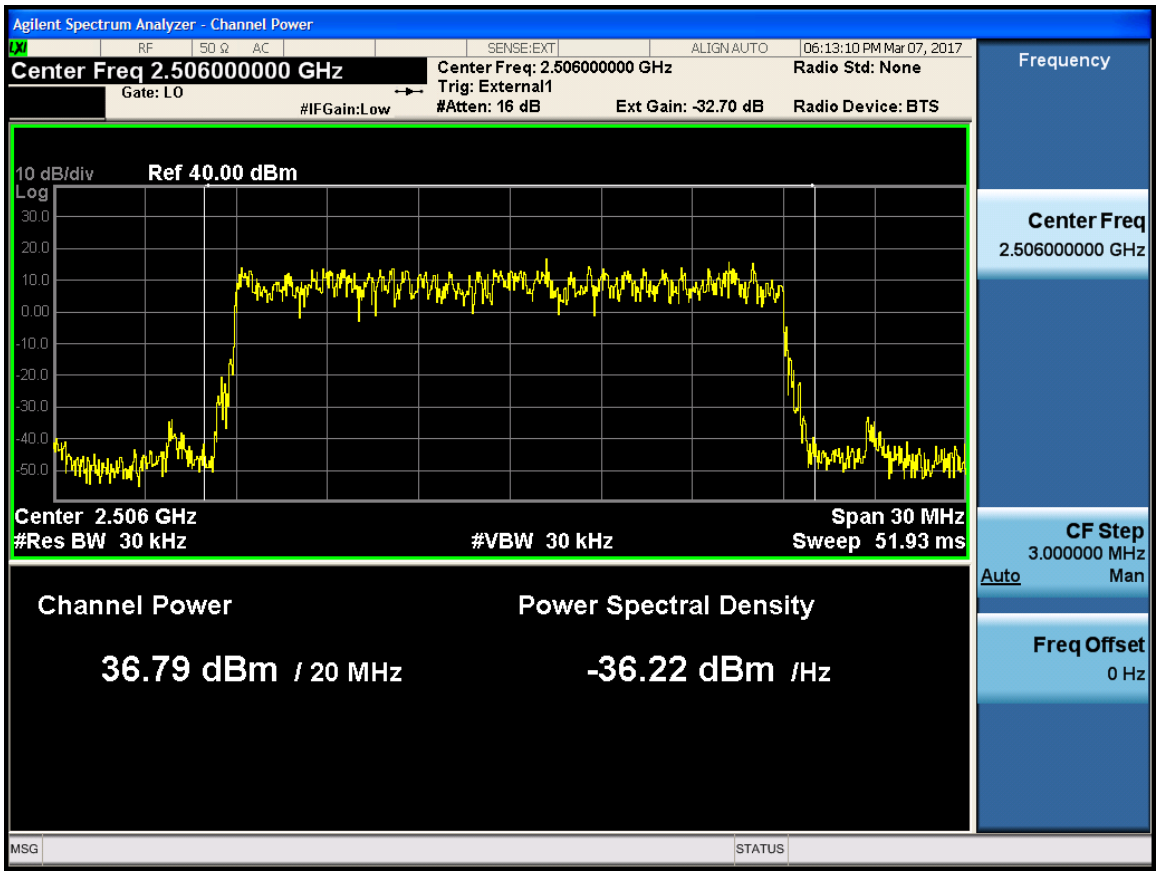
MSG
STATUS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Gate: LO
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Center Freq: 2.506000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.506 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.79 dBm / 20 MHz
Power Spectral Density
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Freq Offset
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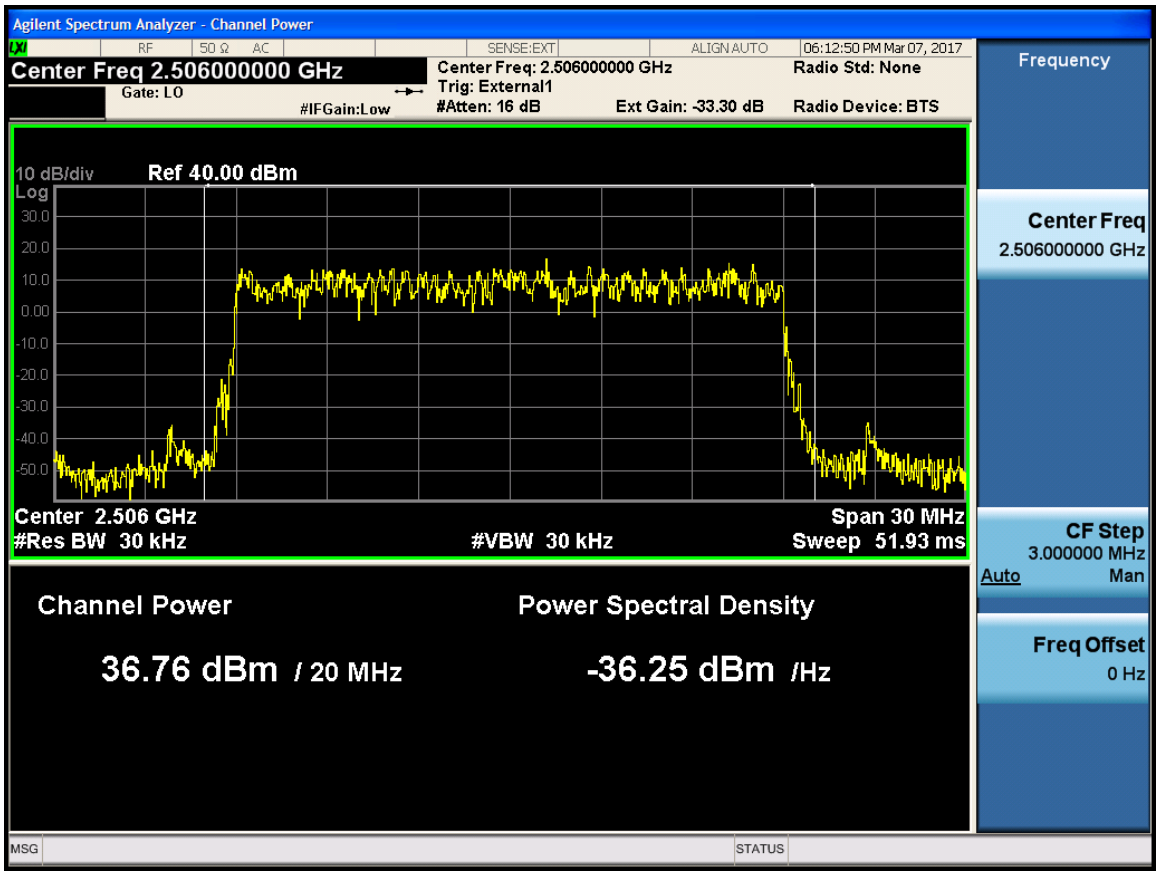
STATUS


Agilent Spectrum Analyzer - Channel Power
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Center Freq 2.506000000 GHz
Gate: LO
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Trig: External1
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Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.506 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.76 dBm / 20 MHz
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Freq Offset
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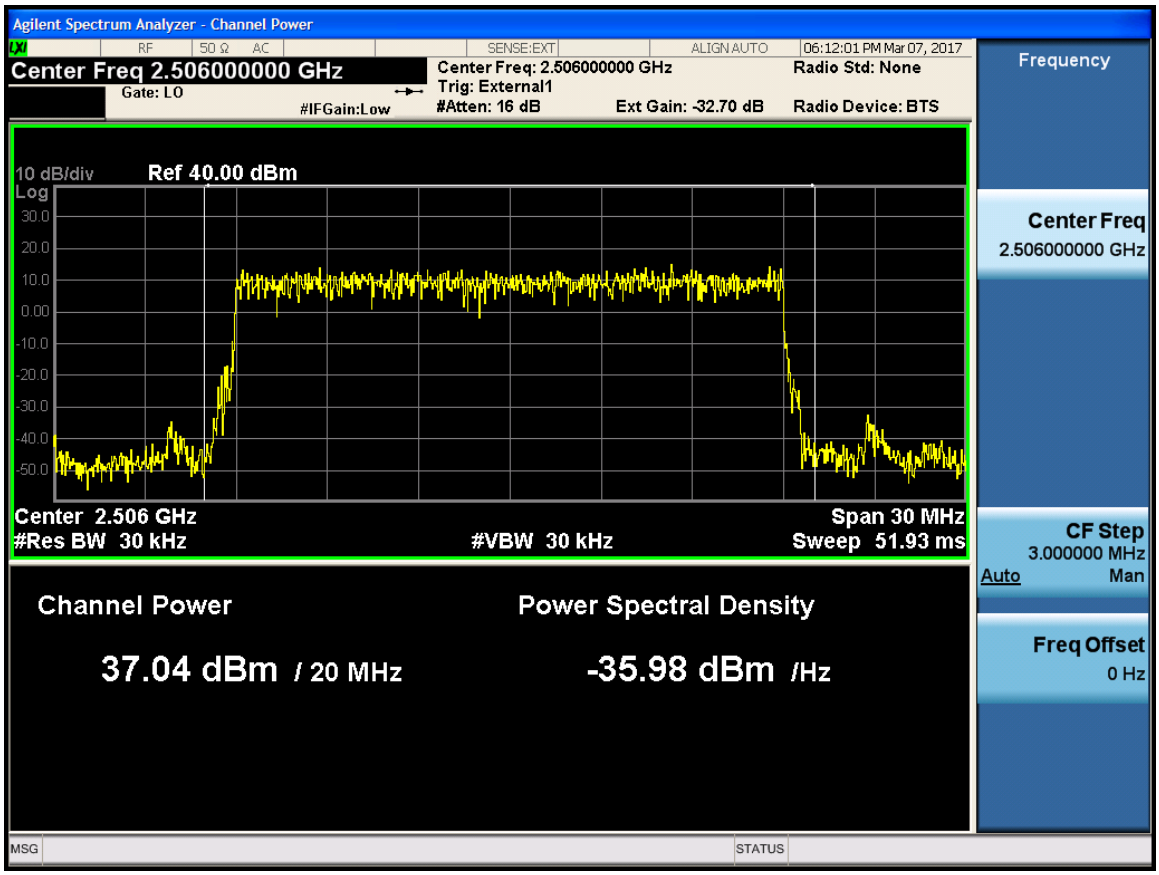
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Gate: LO
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Center Freq: 2.506000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center Freq
2.506000000 GHz
Center 2.506 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
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Power Spectral Density
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Freq Offset
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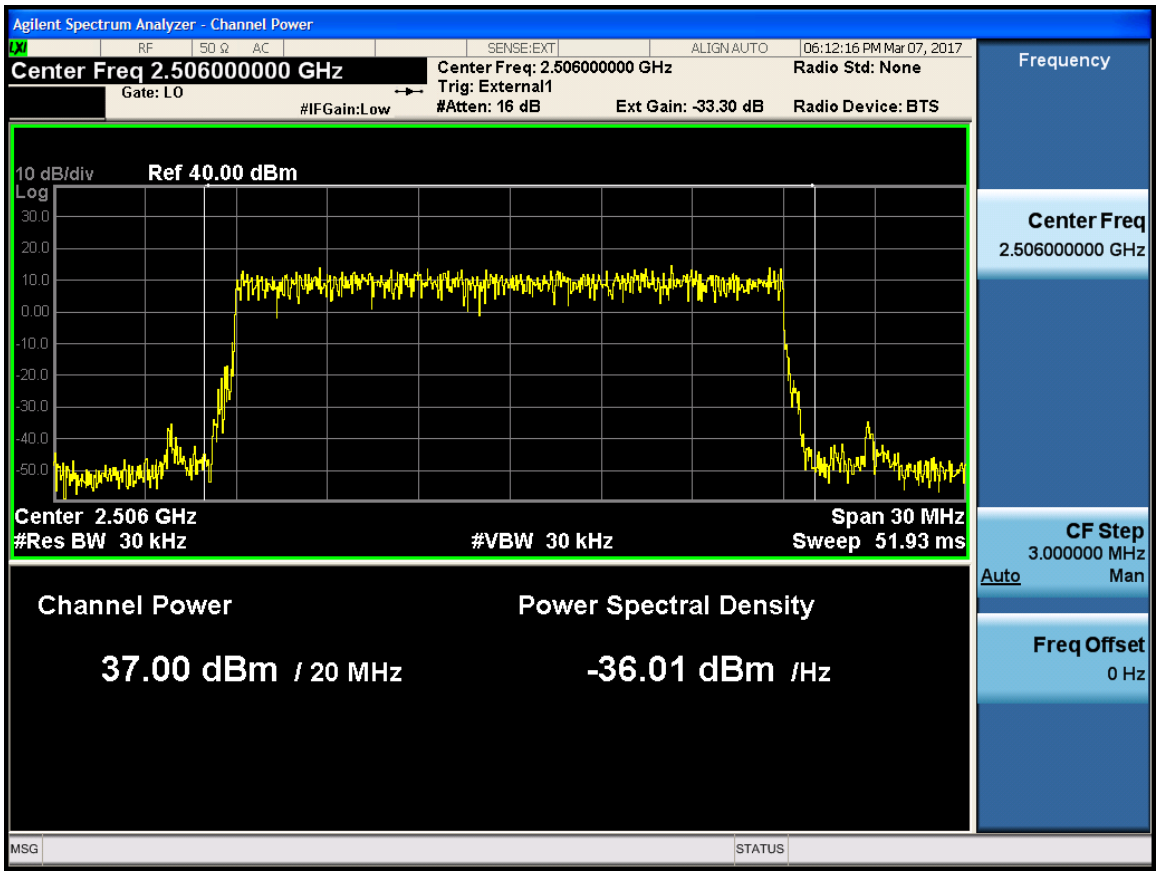
STATUS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Center Freq: 2.506000000 GHz
Trig: External1
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Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.506 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
37.00 dBm / 20 MHz
Power Spectral Density
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Center Freq
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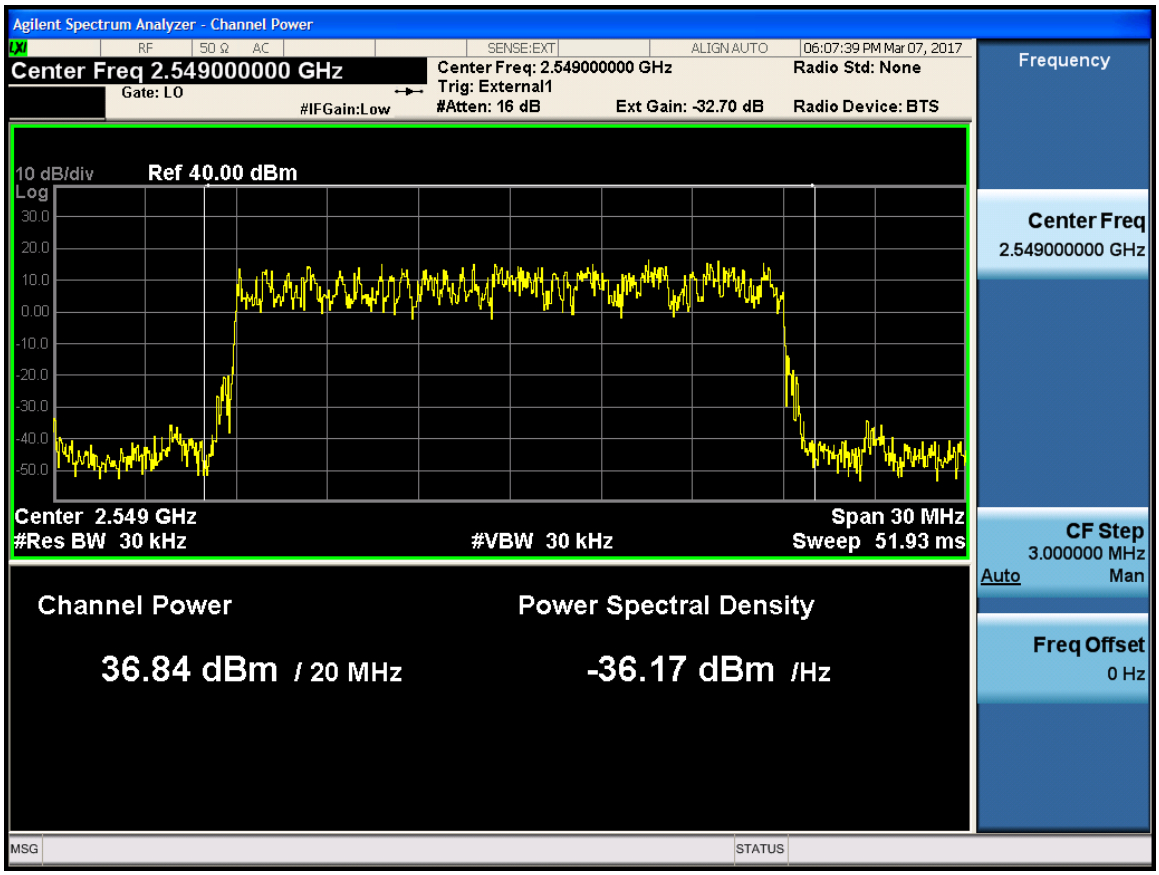
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS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Center Freq: 2.549000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.84 dBm / 20 MHz
Power Spectral Density
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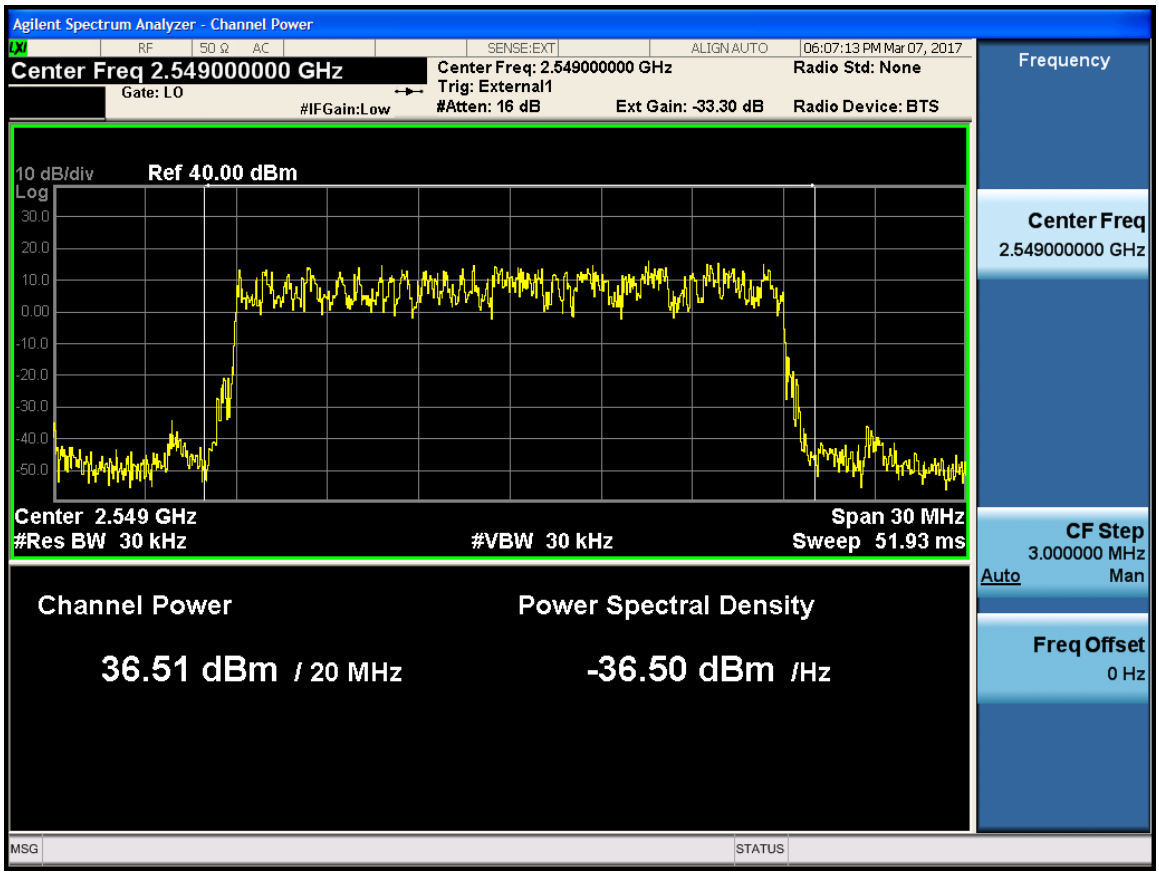
Center Freq
2.549000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS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Gate: LO
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Center Freq: 2.549000000 GHz
Trig: External1
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Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.51 dBm / 20 MHz
Power Spectral Density
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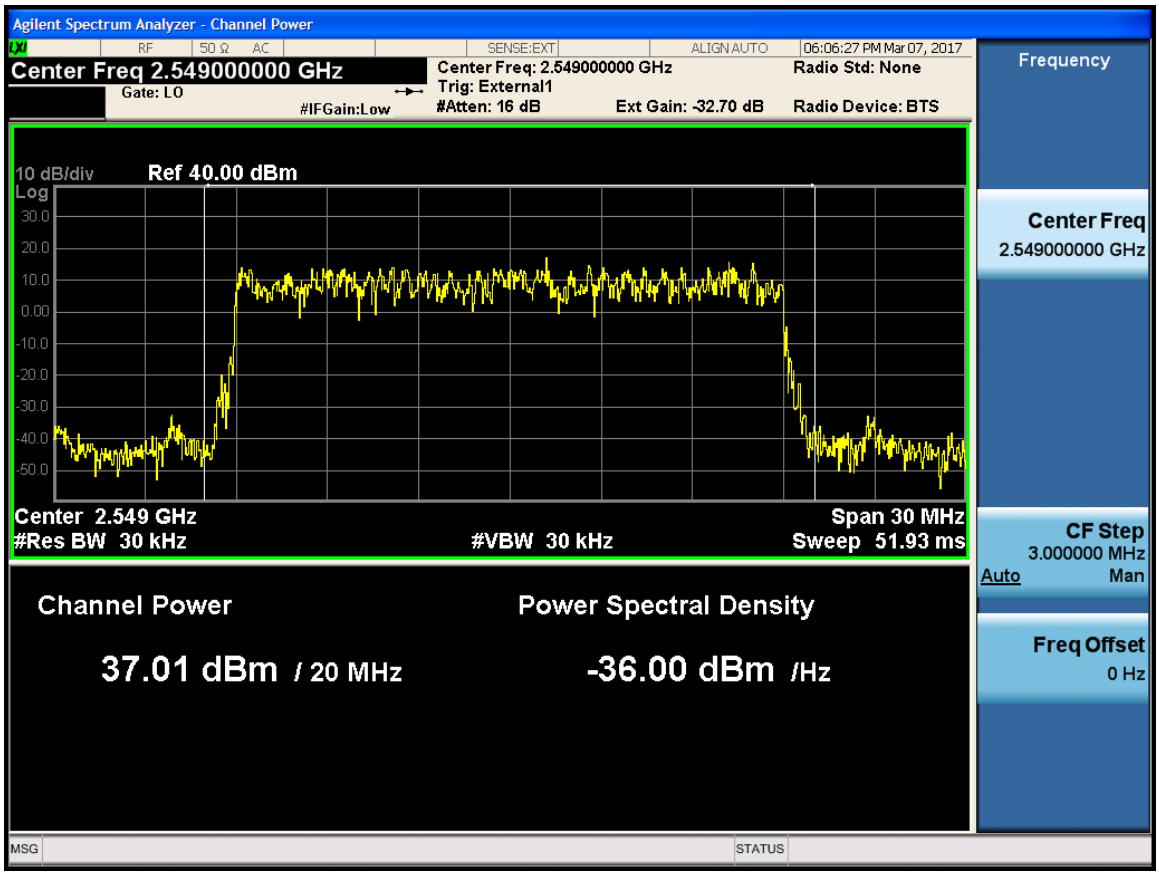
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS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Center Freq 2.549000000 GHz
Gate: LO
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Center Freq: 2.549000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
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Power Spectral Density
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CF Step
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Auto
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Freq Offset
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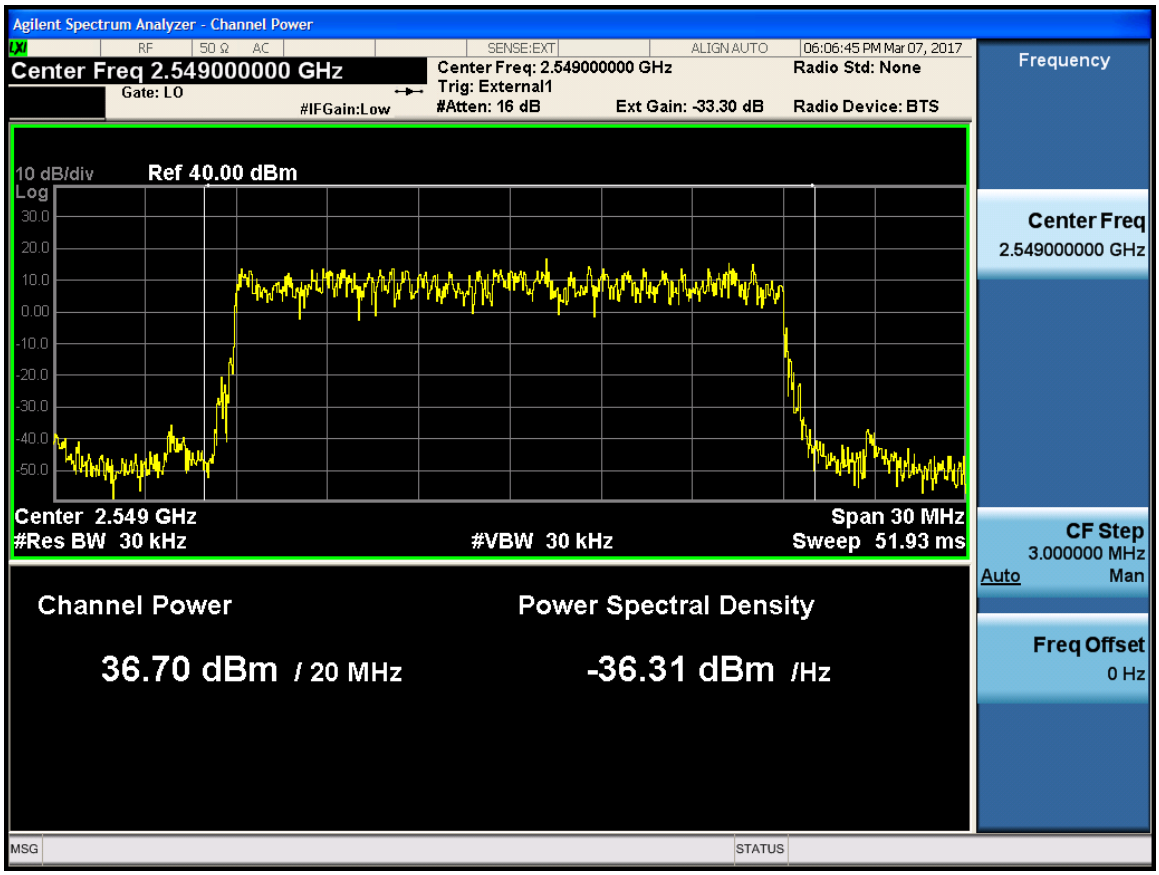
MSG
STATUS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Center Freq: 2.549000000 GHz
Trig: External1
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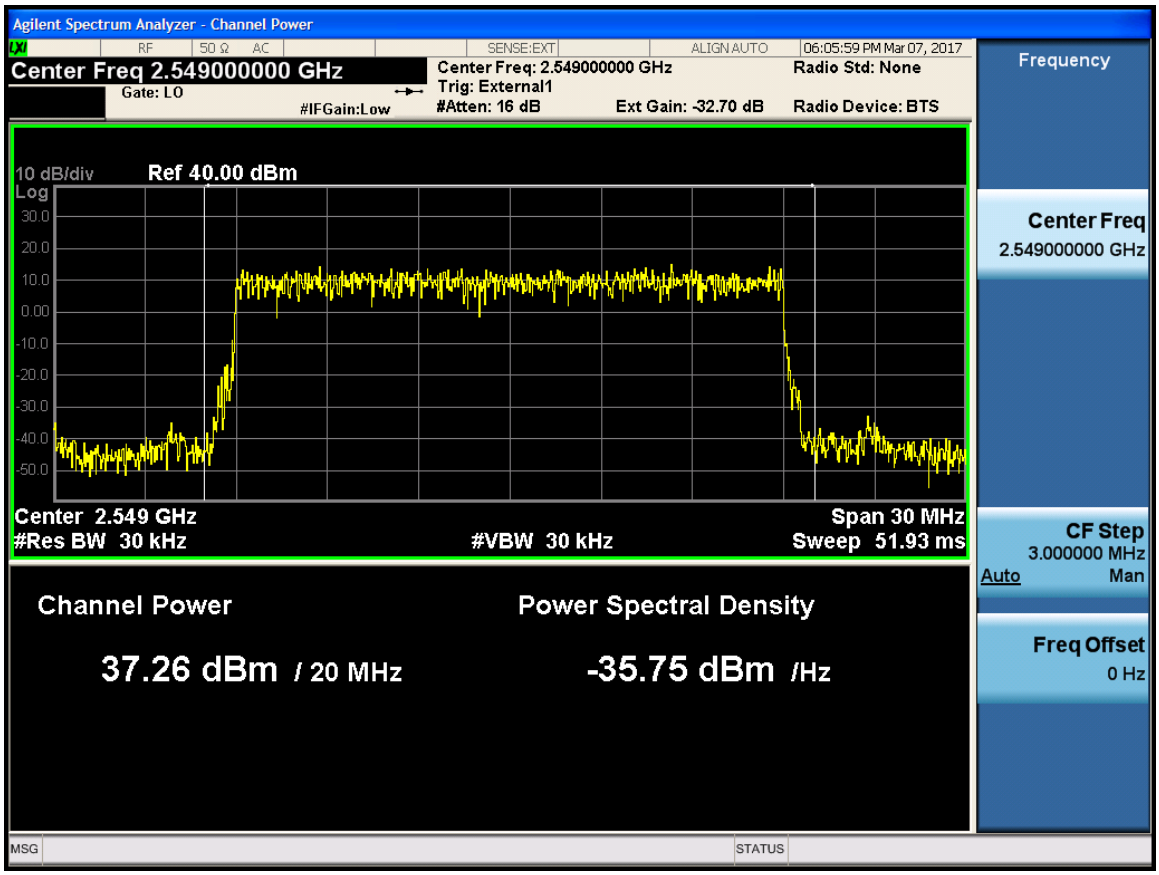
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.70 dBm / 20 MHz
Power Spectral Density
-36.31 dBm /Hz
Center Freq
2.549000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS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Gate: LO
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Center Freq: 2.549000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
37.26 dBm / 20 MHz
Power Spectral Density
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Center Freq
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CF Step
3.000000 MHz
Auto
Man
Freq Offset
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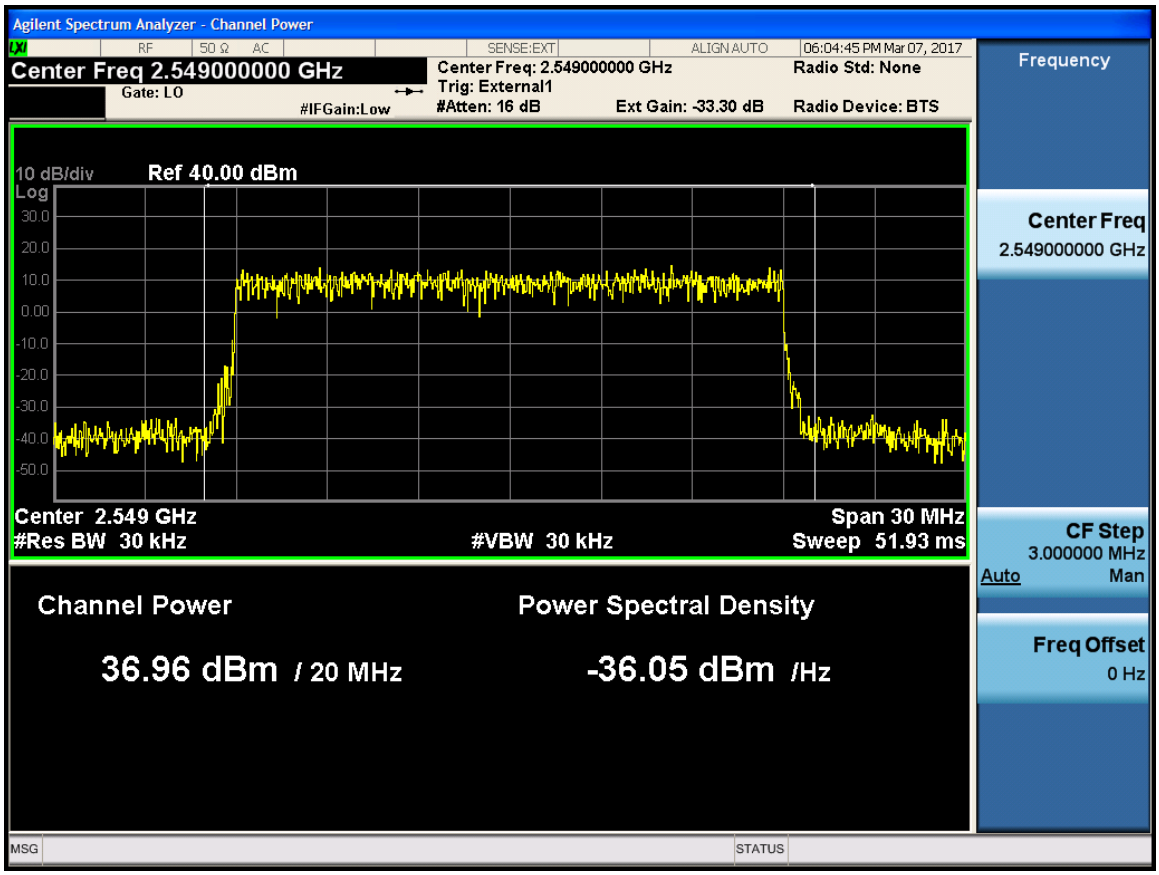
MSG
STATUS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Center Freq: 2.549000000 GHz
Trig: External1
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Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.96 dBm / 20 MHz
Power Spectral Density
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Center Freq
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CF Step
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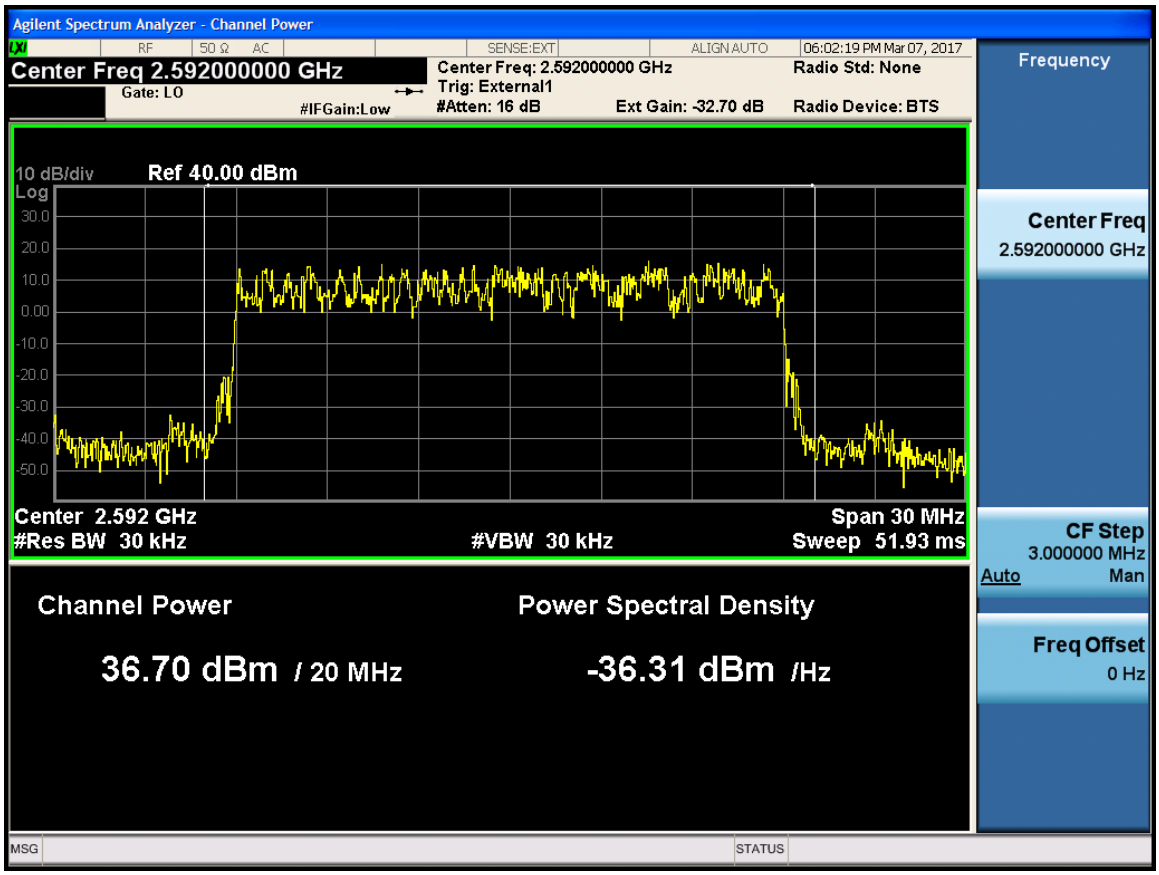
Auto
Man
Freq Offset
0 Hz
MSG
STATUS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Gate: LO
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Center Freq: 2.592000000 GHz
Trig: External1
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Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
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20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.592 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.70 dBm / 20 MHz
Power Spectral Density
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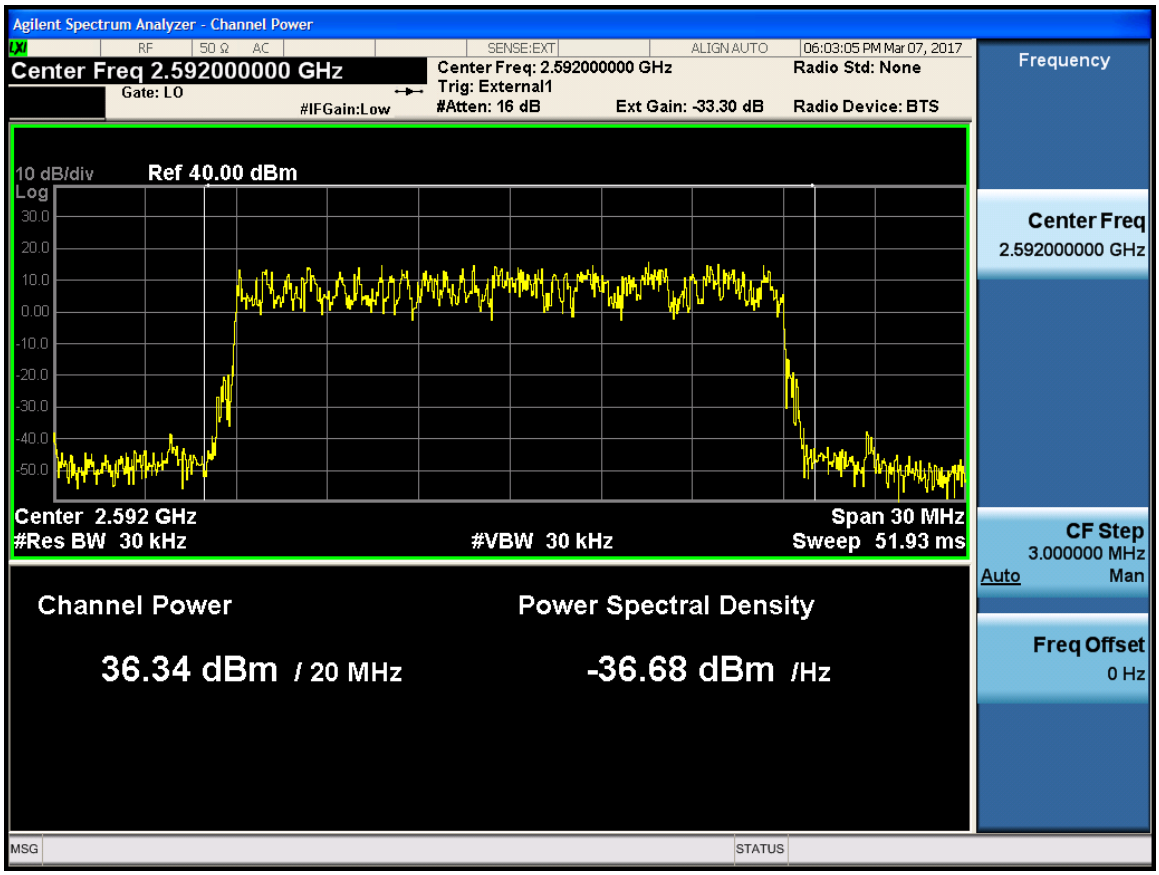
Center Freq
2.592000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS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Gate: LO
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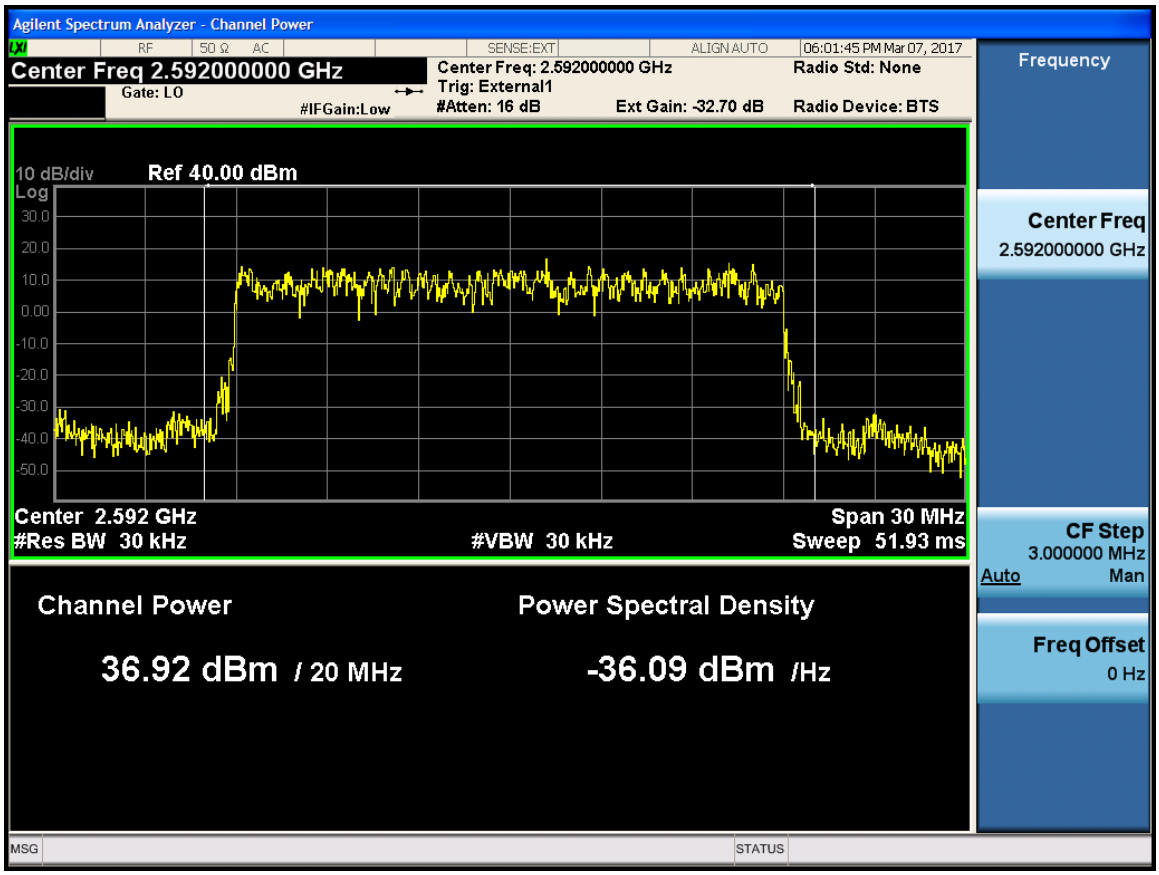
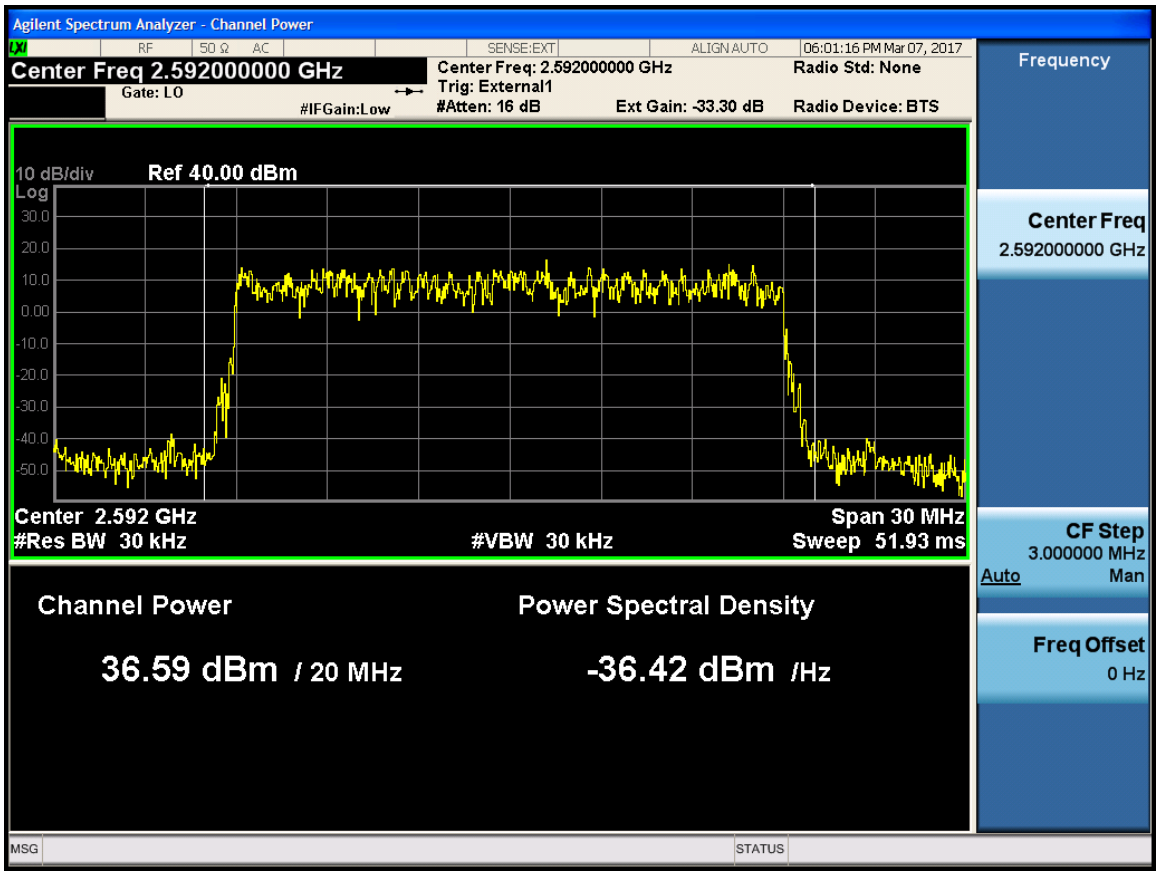
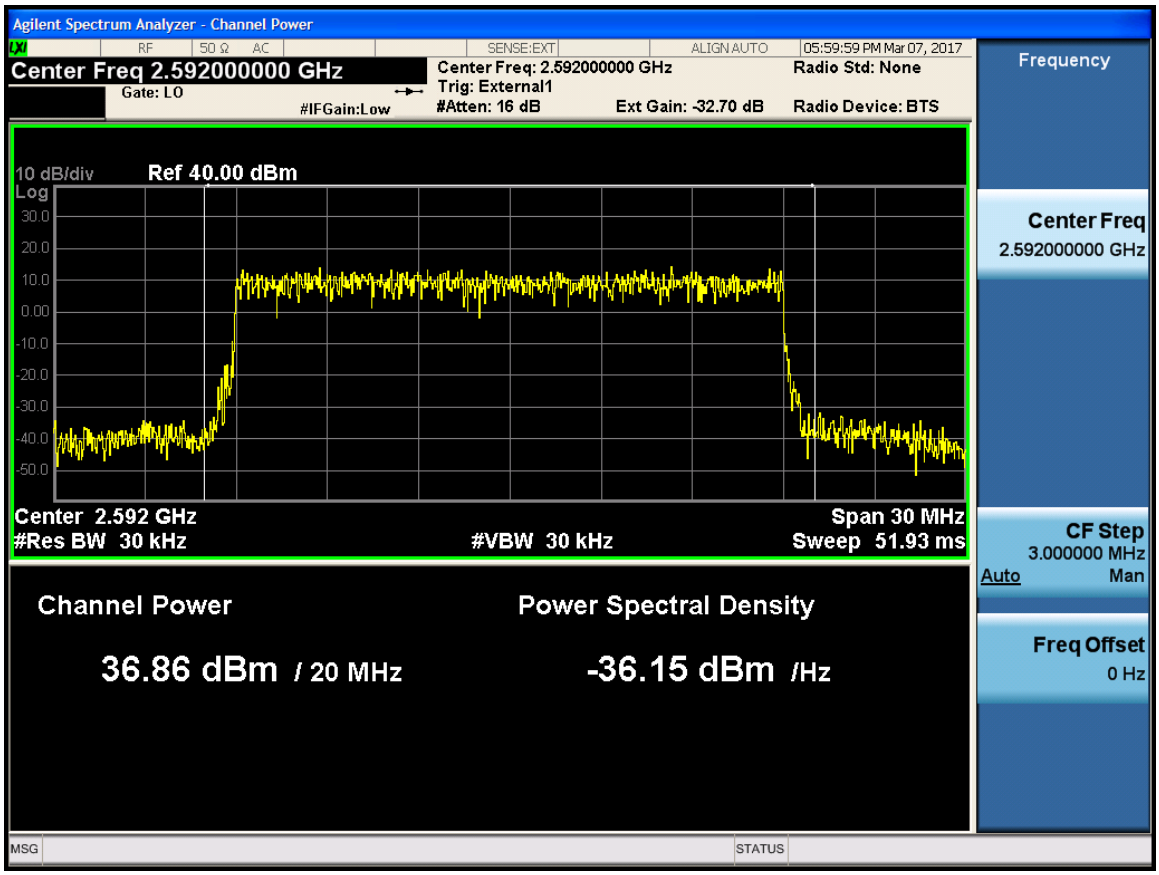
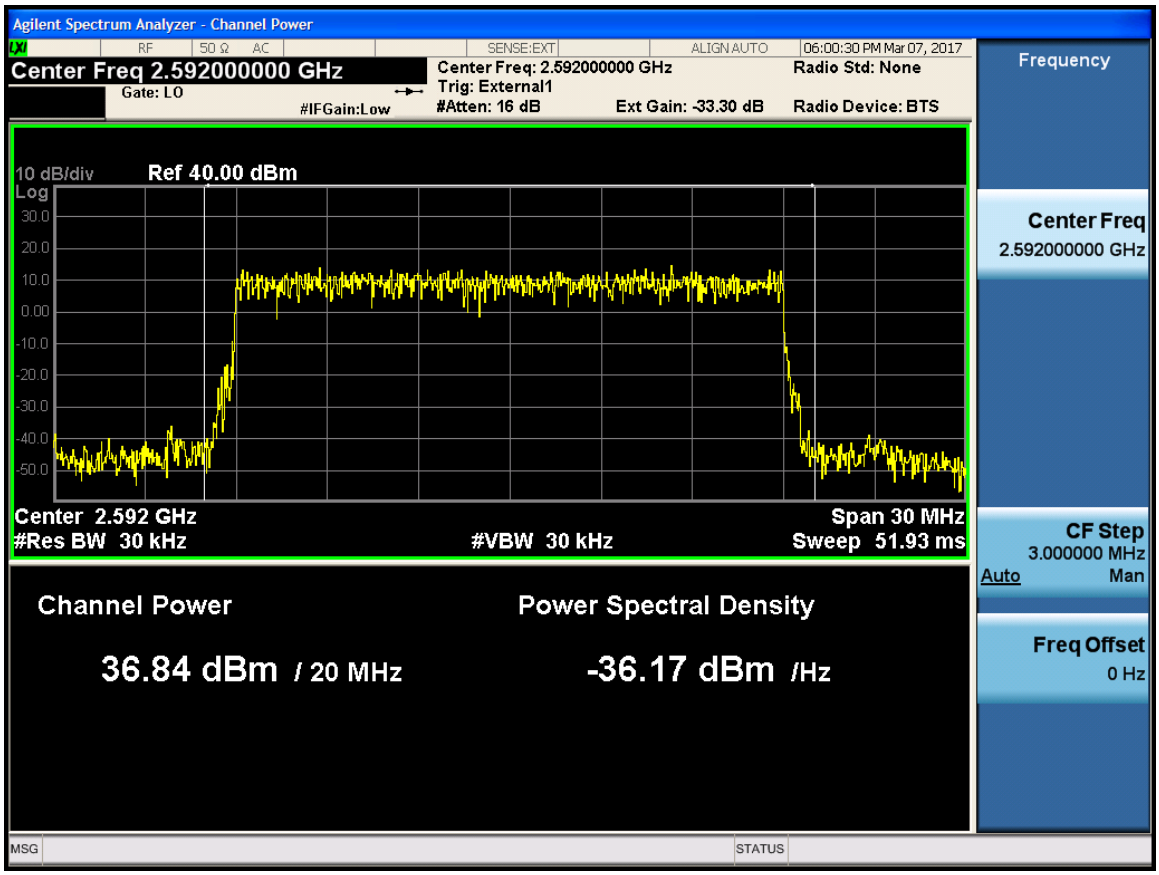
Center Freq: 2.592000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.592 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.34 dBm / 20 MHz
Power Spectral Density
-36.68 dBm /Hz
Center Freq
2.592000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS


Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
06:01:45 PM Mar 07, 2017
Center Freq 2.592000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.592000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center Freq
2.592000000 GHz
Center 2.592 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
CF Step
3.000000 MHz
Auto
Man
Channel Power
36.92 dBm / 20 MHz
Power Spectral Density
-36.09 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS


Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
06:01:16 PM Mar 07, 2017
Center Freq 2.592000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.592000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.592 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.59 dBm / 20 MHz
Power Spectral Density
-36.42 dBm /Hz
Center Freq
2.592000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS


Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
05:59:59 PM Mar 07, 2017
Center Freq 2.592000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.592000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 40.00 dBm
30.0
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
Center 2.592 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 30 MHz
Sweep 51.93 ms
Channel Power
36.86 dBm / 20 MHz
Power Spectral Density
-36.15 dBm /Hz
Center Freq
2.592000000 GHz
CF Step
3.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS



Two Carrier

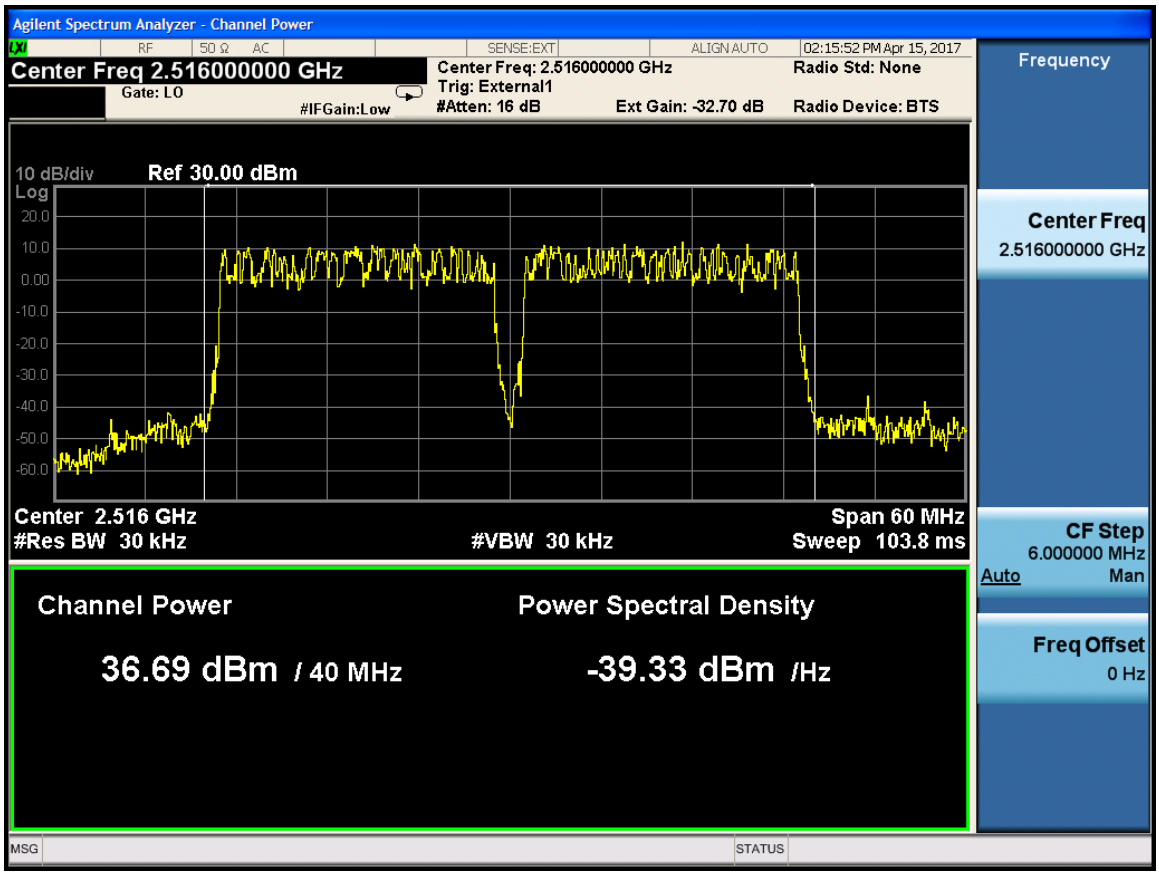
Channel Bandwidth: 20M+20M (1 port)

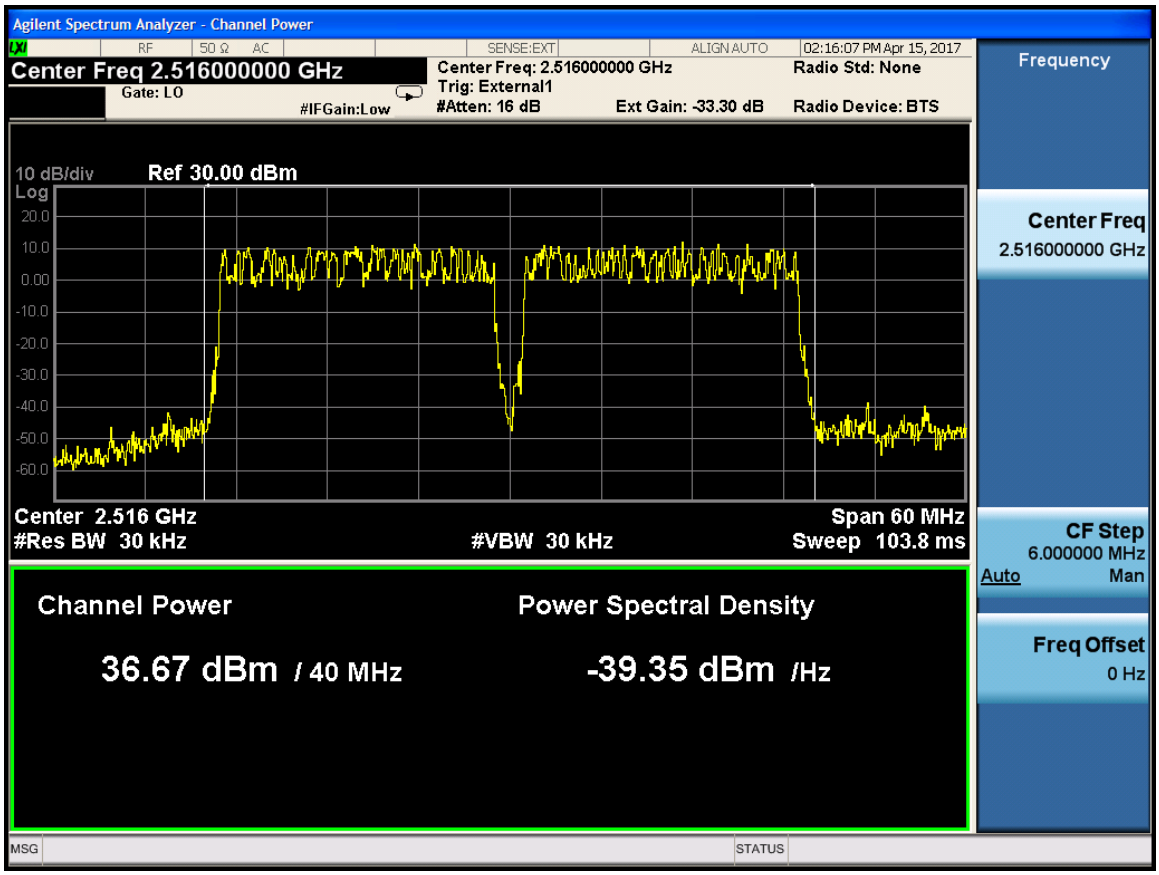
Port	Carrier Freq. c1+c2(MHz)	Output Power					
		QPSK		16QAM		64QAM	
		dBm	W	dBm	W	dBm	W
0	2506+2526	36.69	4.67	36.87	4.86	36.96	4.97
1		36.67	4.65	36.9	4.9	36.93	4.9
0	2539+2559	36.62	4.59	36.81	4.8	36.85	4.84
1		36.7	4.68	36.88	4.88	36.93	4.93
0	2572+2592	36.43	4.4	36.61	4.58	36.66	4.63
1		36.53	4.5	36.71	4.69	36.75	4.73

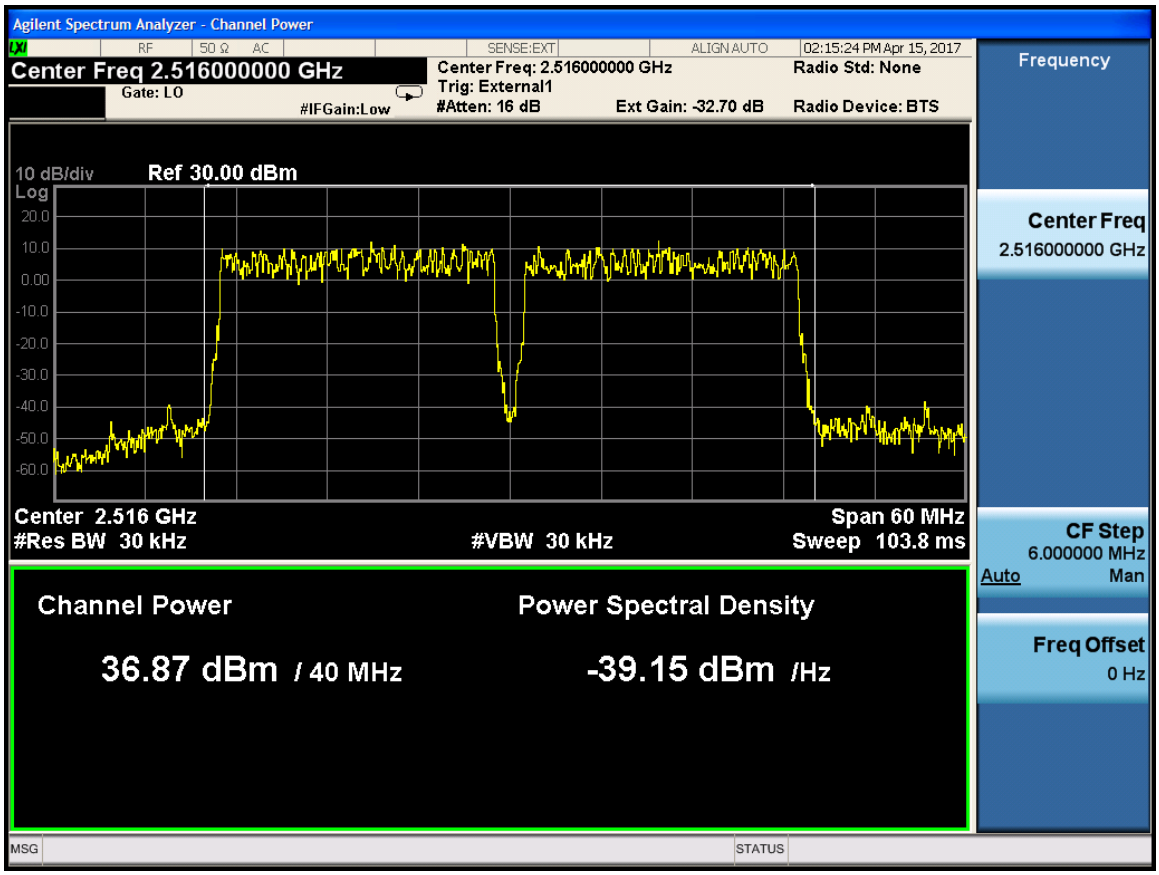
Channel Bandwidth: 20M+20M (2ports)

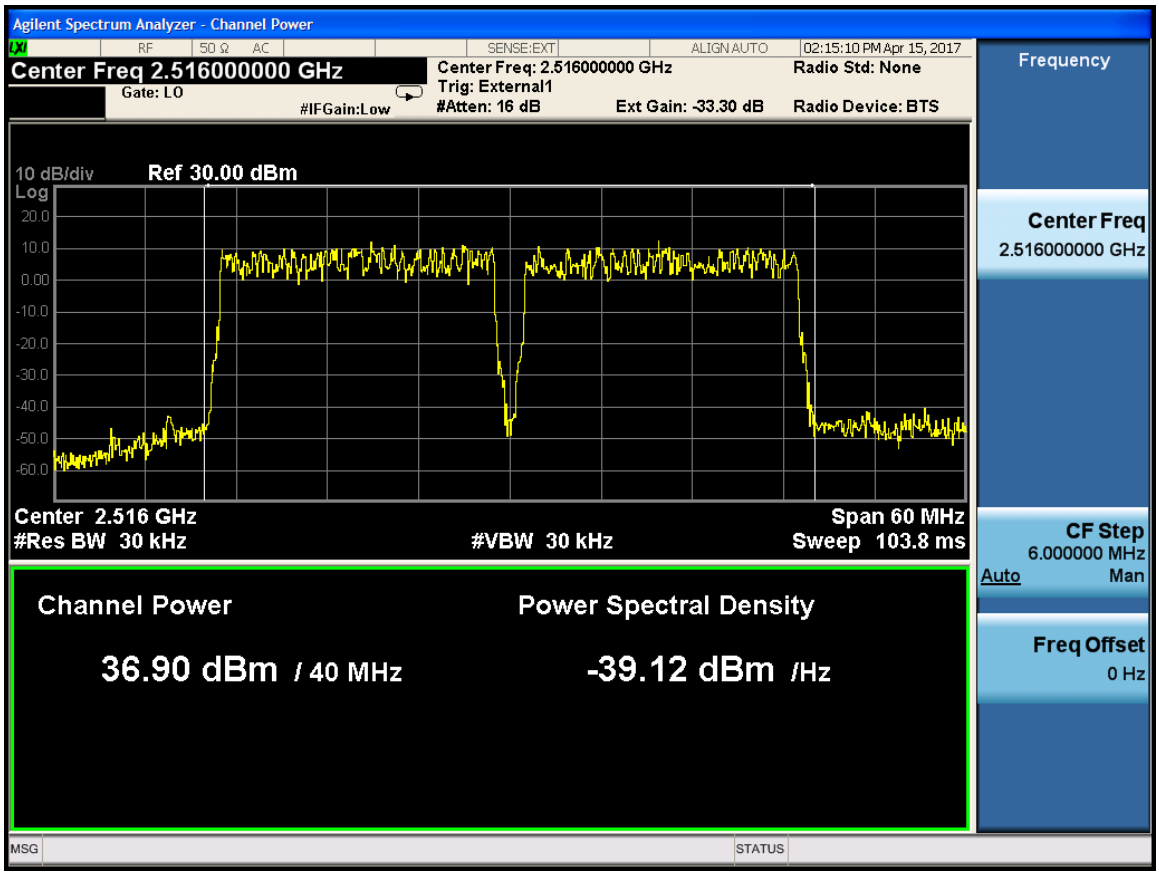
Carrier Freq. c1+c2(MHz)	Output Power									limit(dBw)
	QPSK			16QAM			64QAM			
	dBm	EIRP(dBm)	EIRP(dBw)	dBm	EIRP(dBm)	EIRP(dBw)	dBm	EIRP(dBm)	EIRP(dBw)	
2506+2526	39.69	51.69	21.69	39.9	51.9	21.9	39.94	51.94	21.94	<41.2
2539+2559	39.67	51.67	21.67	39.86	51.86	21.86	39.9	51.9	21.9	<41.2

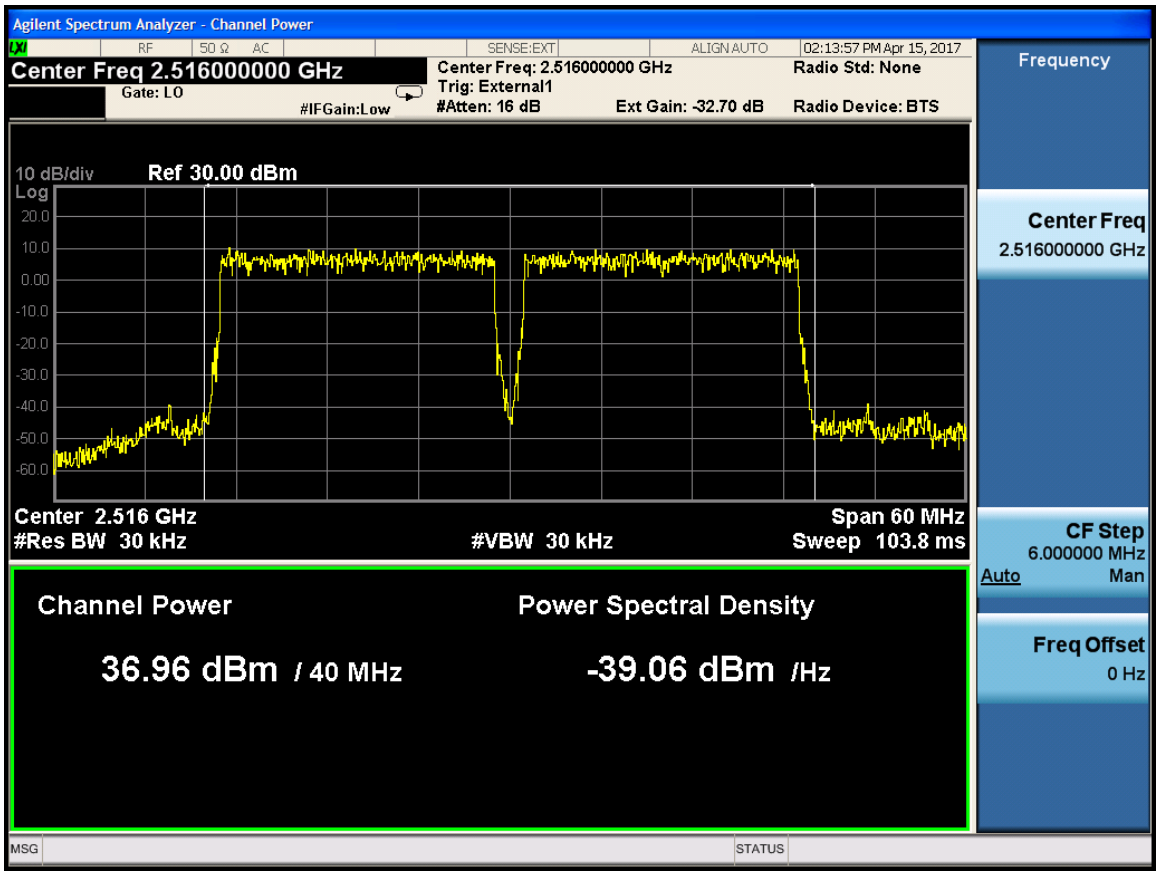
2572+2592	39.49	51.49	21.49	39.67	51.67	21.67	39.72	51.72	21.72	<41.2

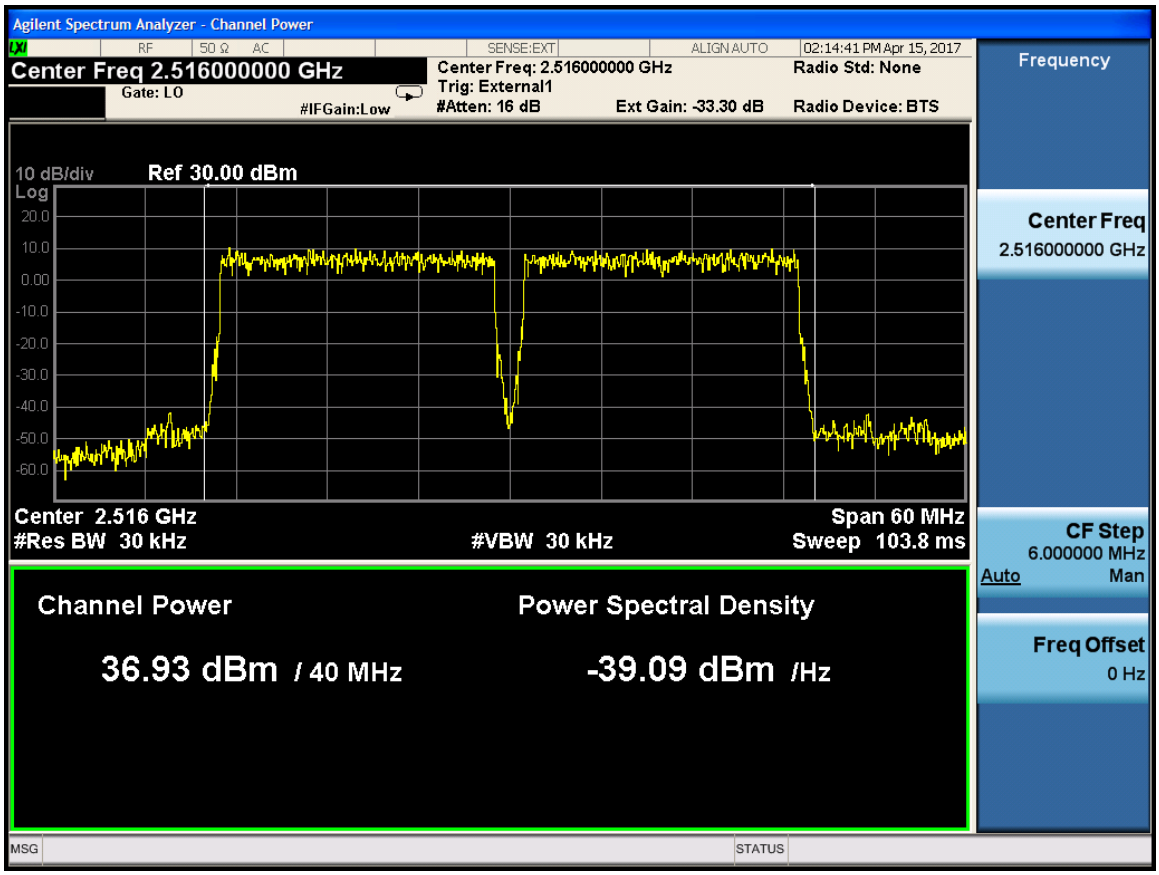


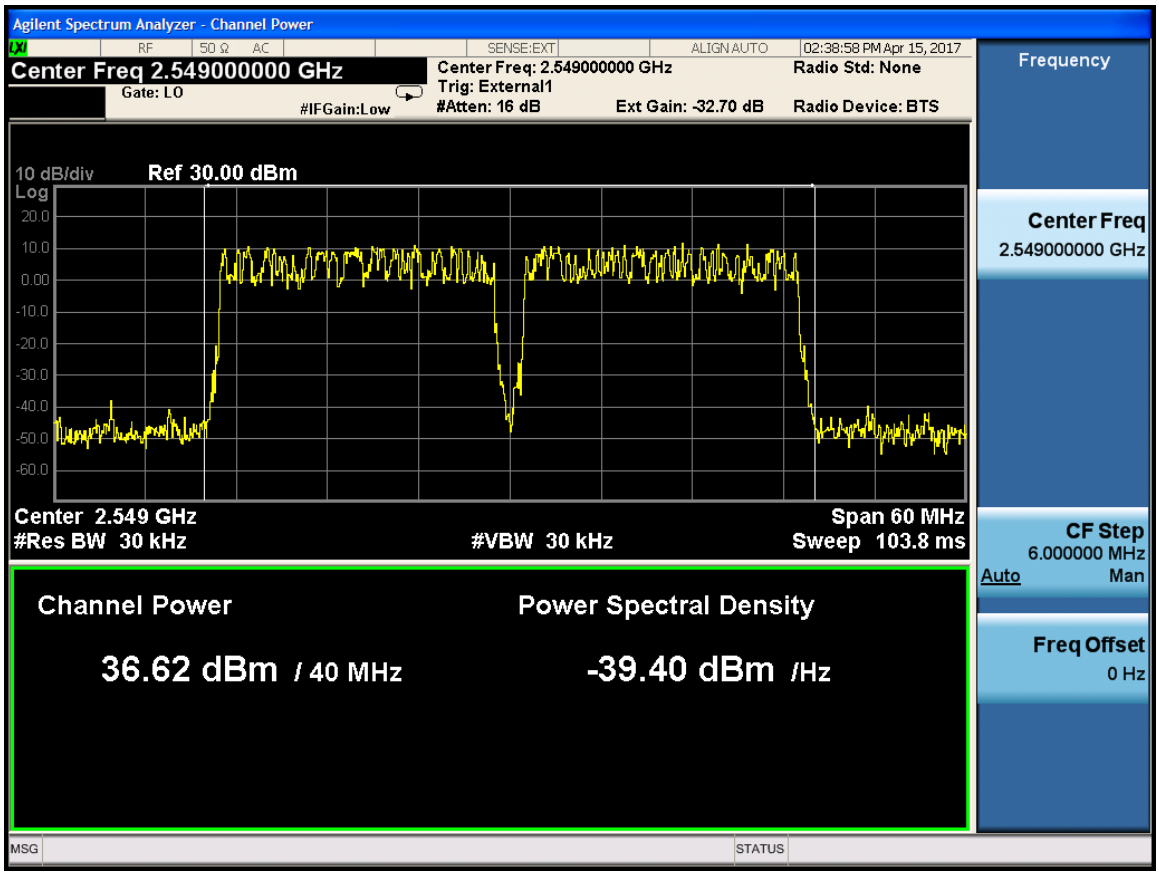

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:16:07 PM Apr 15, 2017
Center Freq 2.516000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.516000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.516000000 GHz
Center 2.516 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
36.67 dBm / 40 MHz
Power Spectral Density
-39.35 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

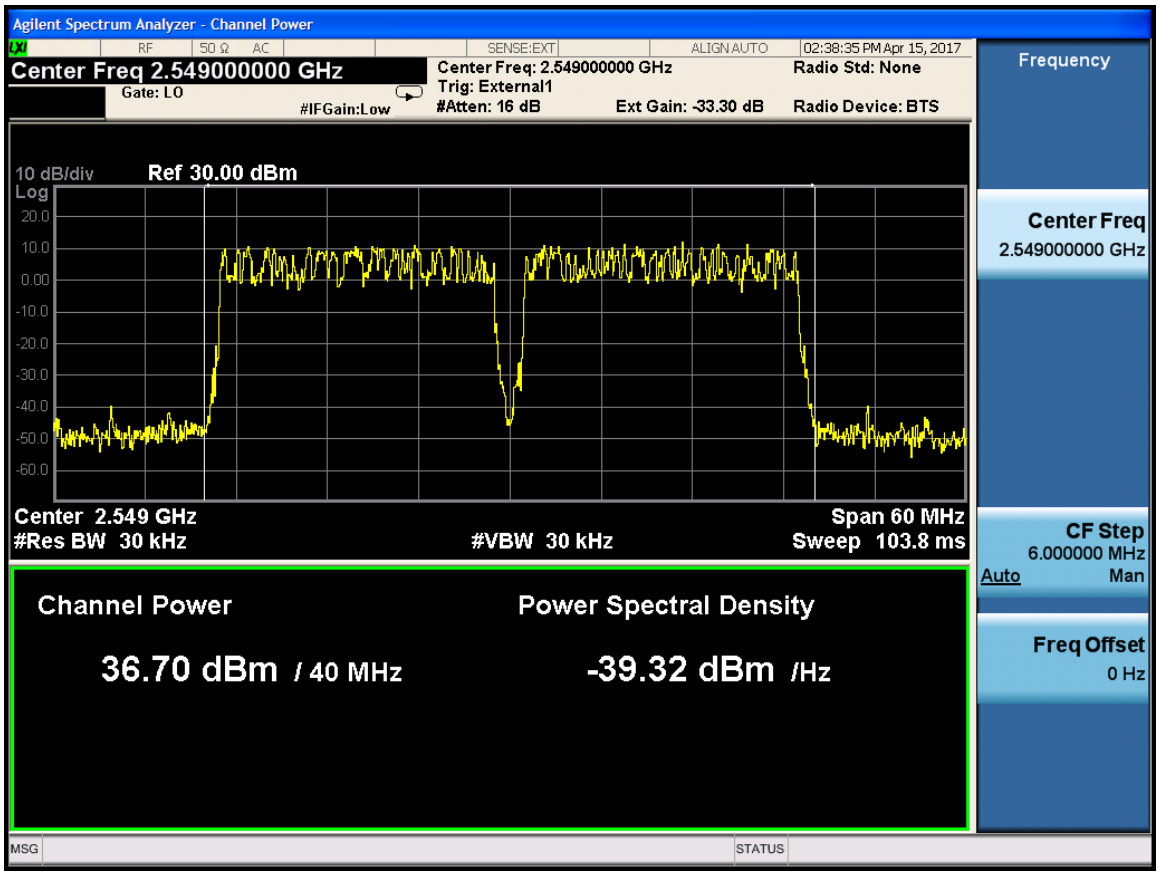

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:15:24 PM Apr 15, 2017
Center Freq 2.516000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.516000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.516000000 GHz
Center 2.516 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
36.87 dBm / 40 MHz
Power Spectral Density
-39.15 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

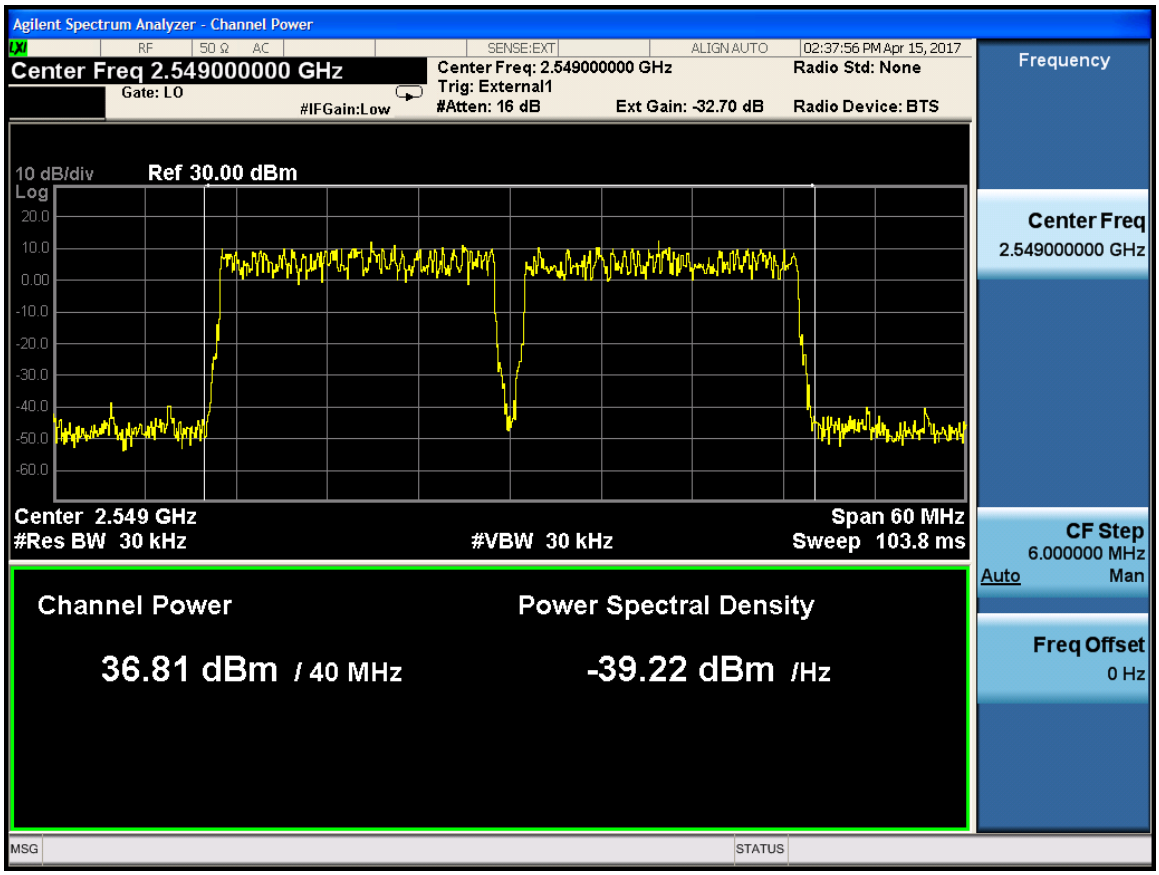

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:15:10 PM Apr 15, 2017
Center Freq 2.516000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.516000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.516000000 GHz
Center 2.516 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
36.90 dBm / 40 MHz
Power Spectral Density
-39.12 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

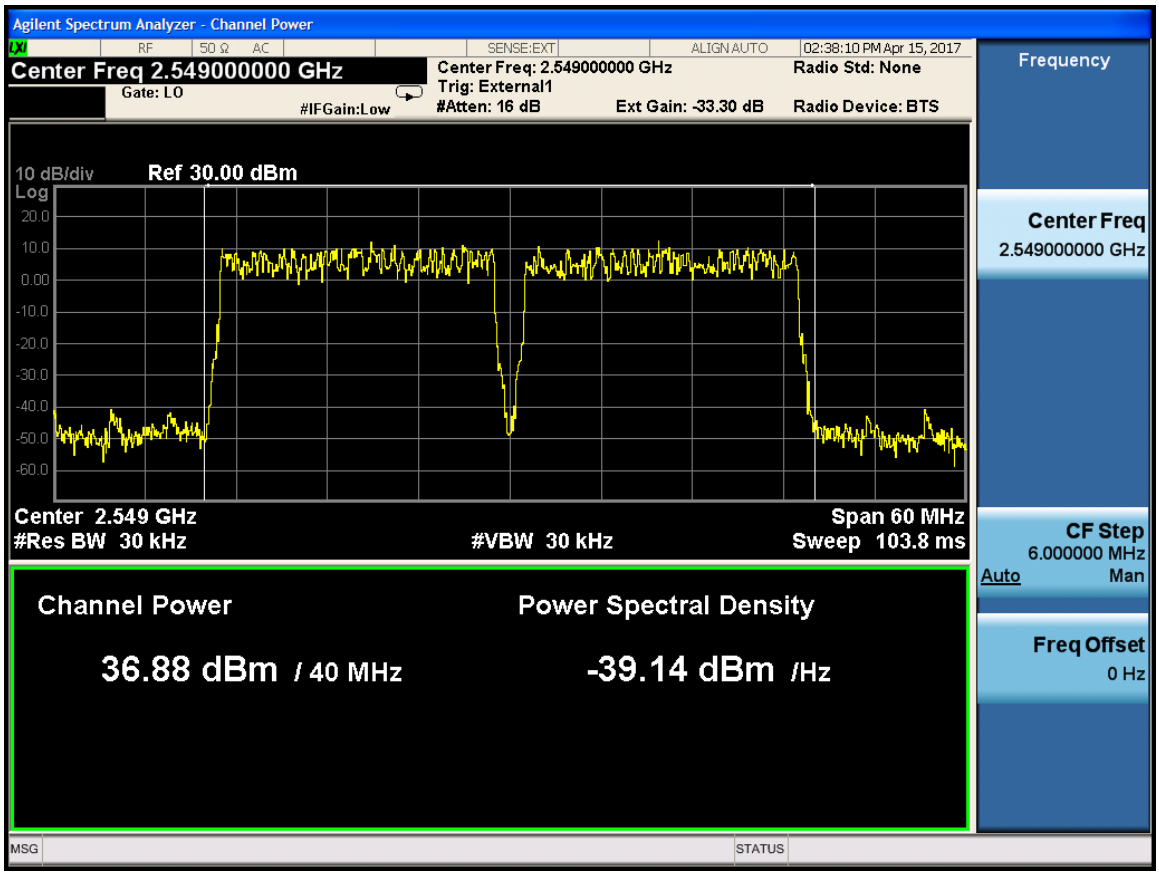

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:13:57 PM Apr 15, 2017
Center Freq 2.516000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.516000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.516000000 GHz
Center 2.516 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
36.96 dBm / 40 MHz
Power Spectral Density
-39.06 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

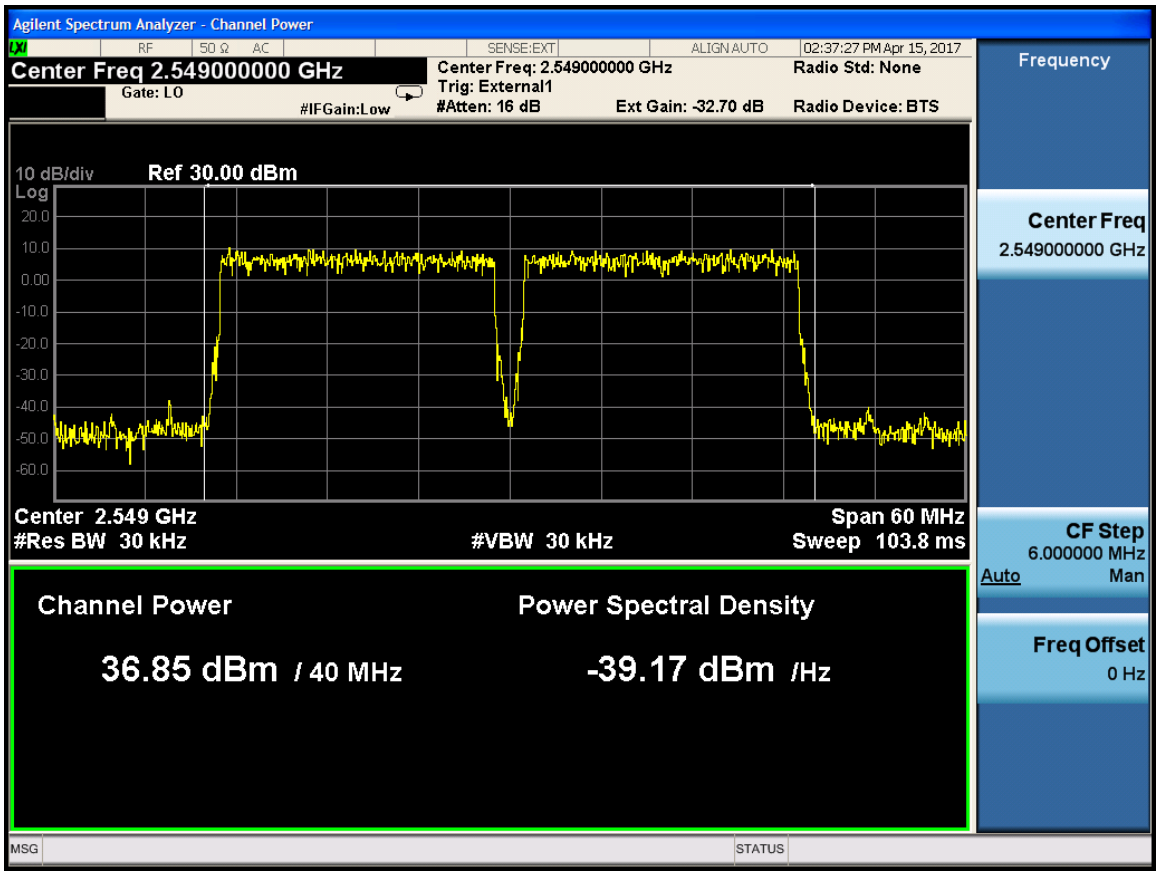

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:14:41 PM Apr 15, 2017
Center Freq 2.516000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.516000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.516000000 GHz
Center 2.516 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
36.93 dBm / 40 MHz
Power Spectral Density
-39.09 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

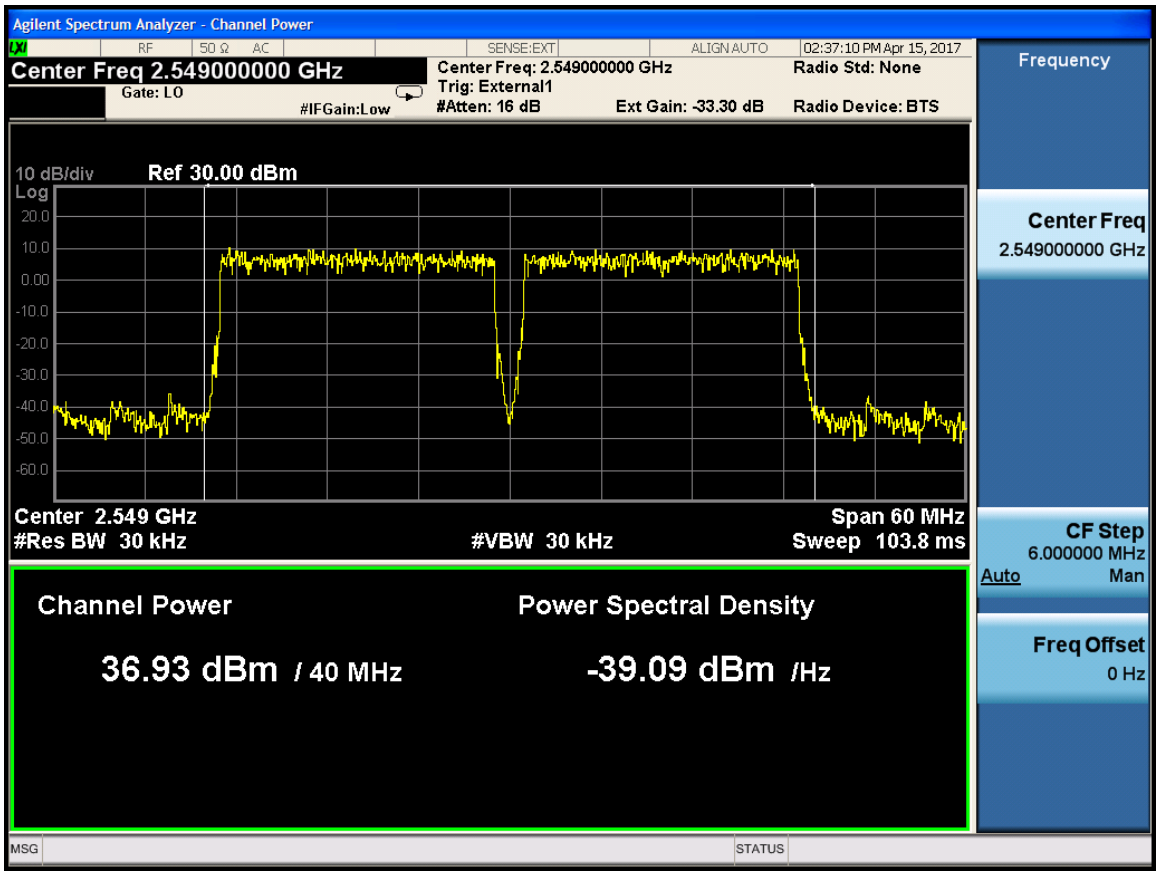

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:38:58 PM Apr 15, 2017
Center Freq 2.549000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.549000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
Channel Power
36.62 dBm / 40 MHz
Power Spectral Density
-39.40 dBm /Hz
Center Freq
2.549000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

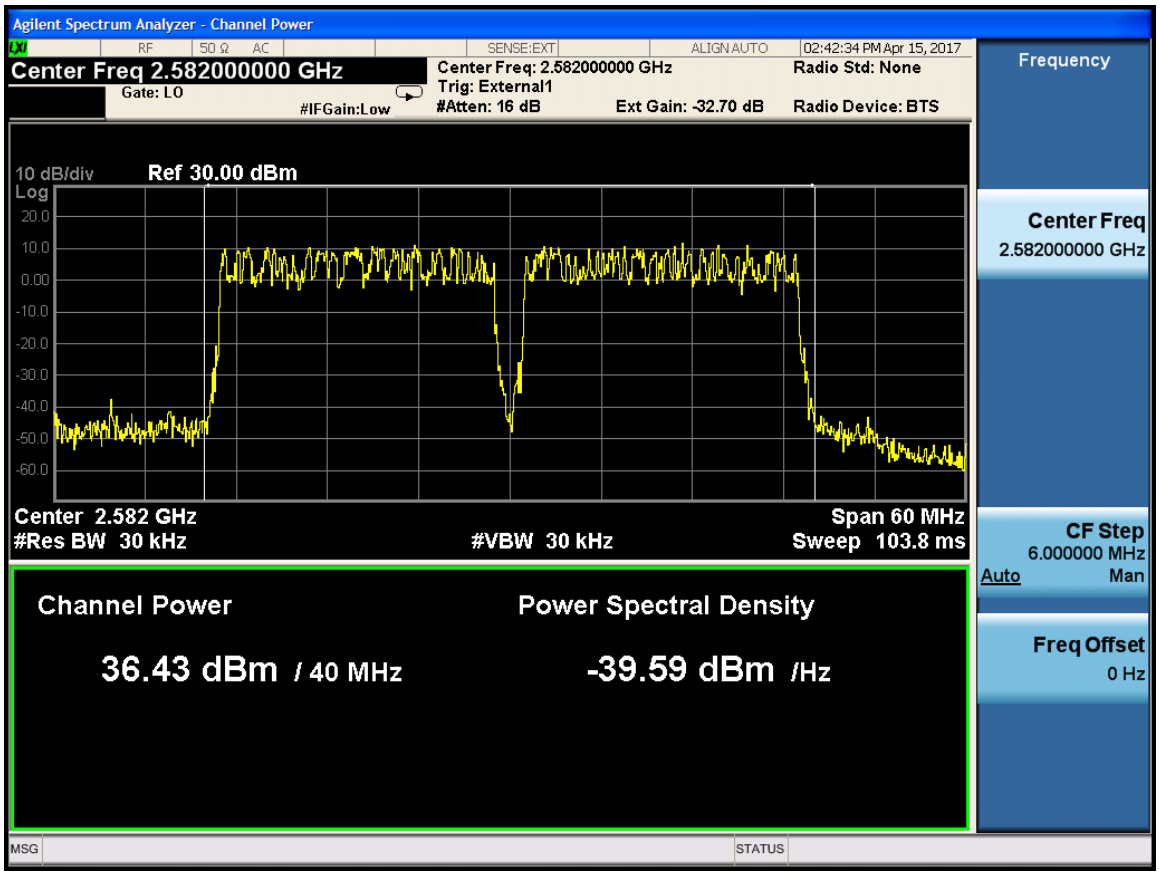

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:38:35 PM Apr 15, 2017
Center Freq 2.549000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.549000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
Channel Power
36.70 dBm / 40 MHz
Power Spectral Density
-39.32 dBm /Hz
Center Freq
2.549000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

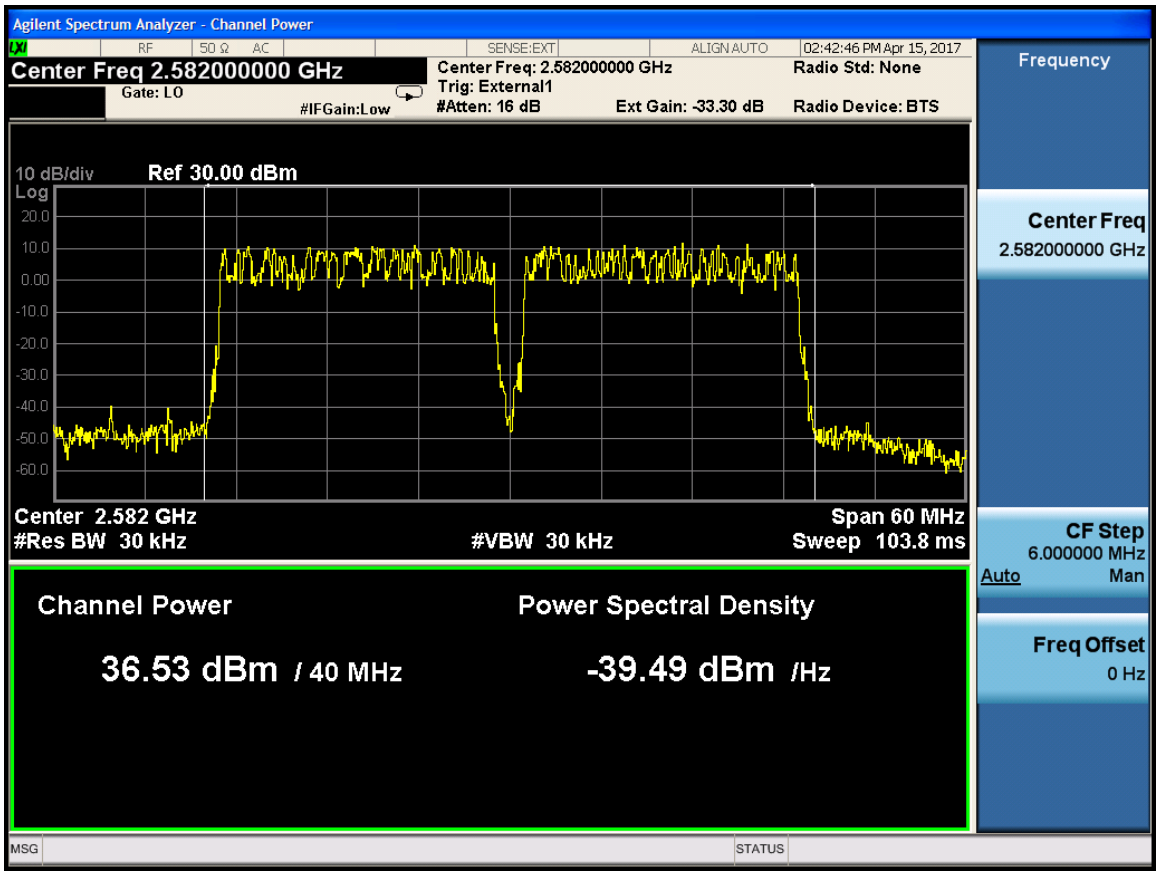

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:37:56 PM Apr 15, 2017
Center Freq 2.549000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.549000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.549000000 GHz
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
36.81 dBm / 40 MHz
Power Spectral Density
-39.22 dBm /Hz
Freq Offset
0 Hz
MSG
STATUS

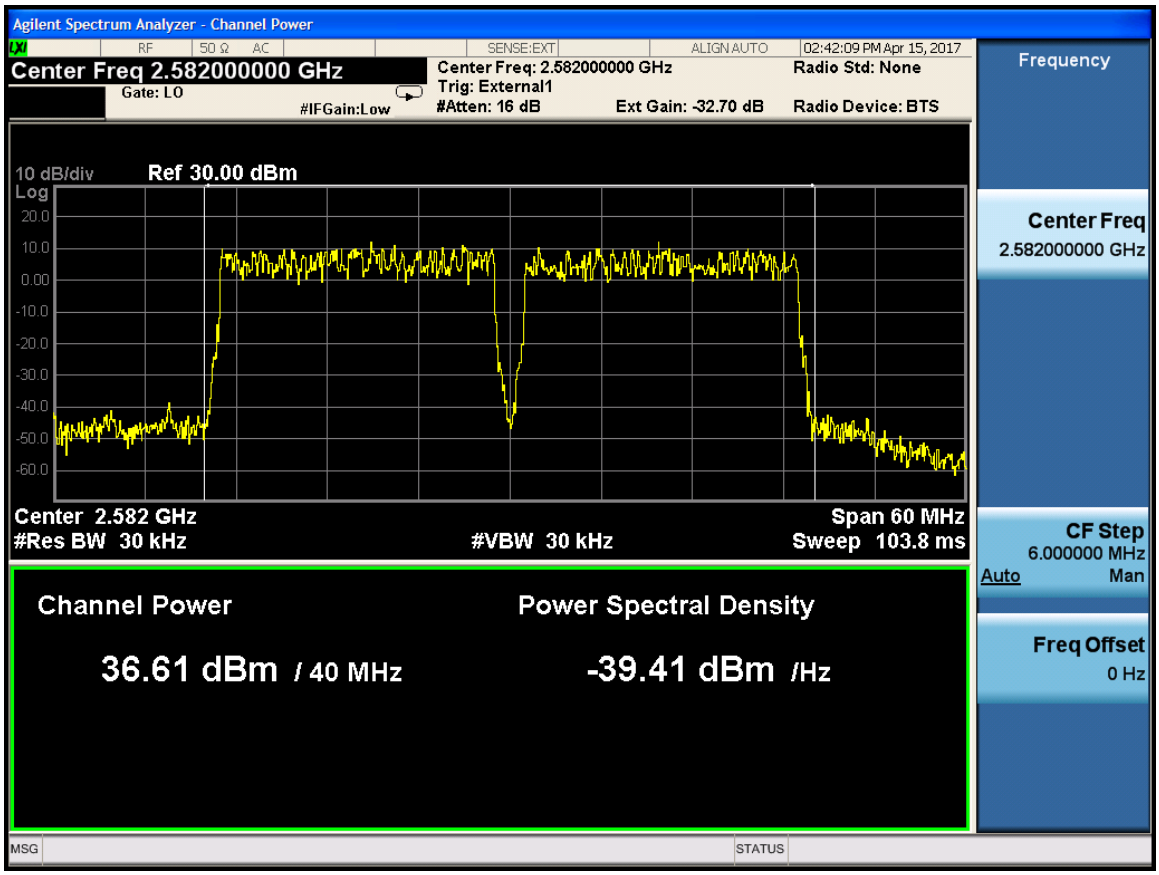

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:38:10 PM Apr 15, 2017
Center Freq 2.549000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.549000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
Channel Power
36.88 dBm / 40 MHz
Power Spectral Density
-39.14 dBm /Hz
Center Freq
2.549000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

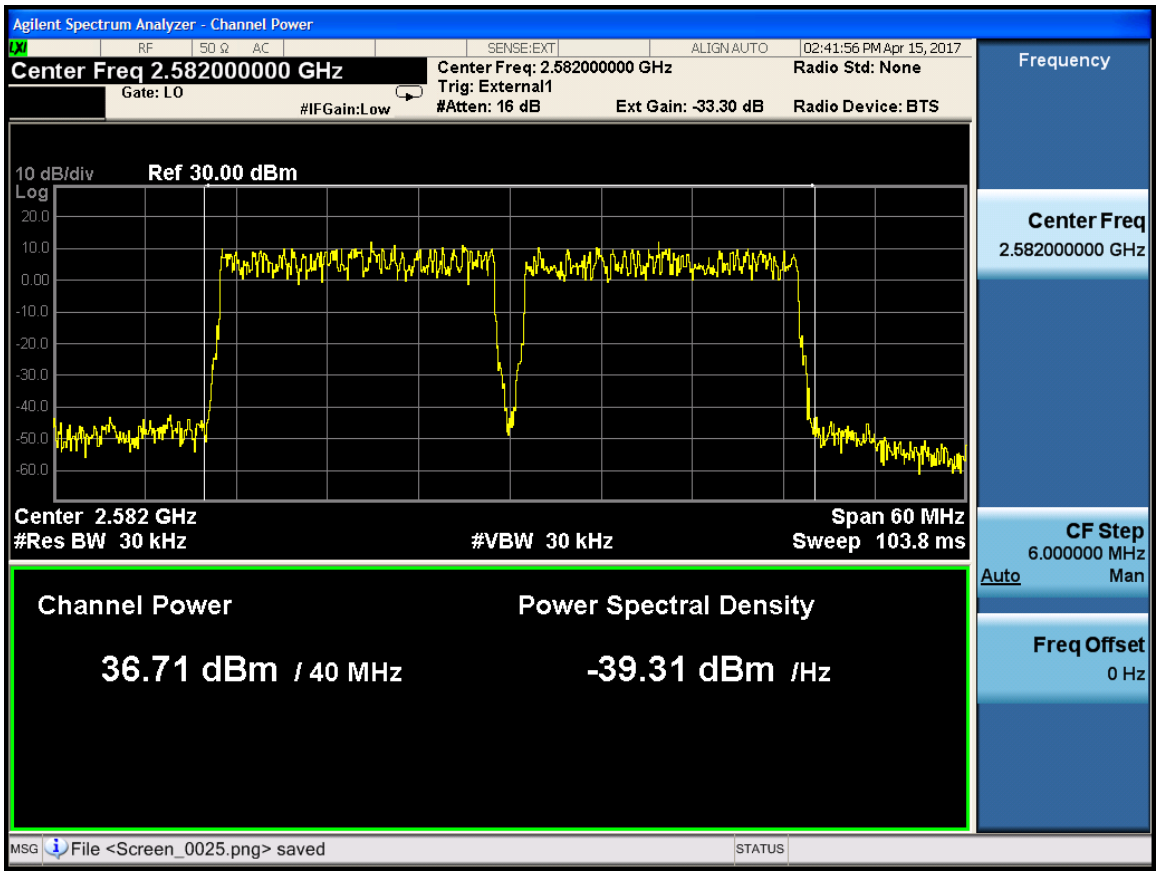

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:37:27 PM Apr 15, 2017
Center Freq 2.549000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.549000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
Channel Power
36.85 dBm / 40 MHz
Power Spectral Density
-39.17 dBm /Hz
Center Freq
2.549000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

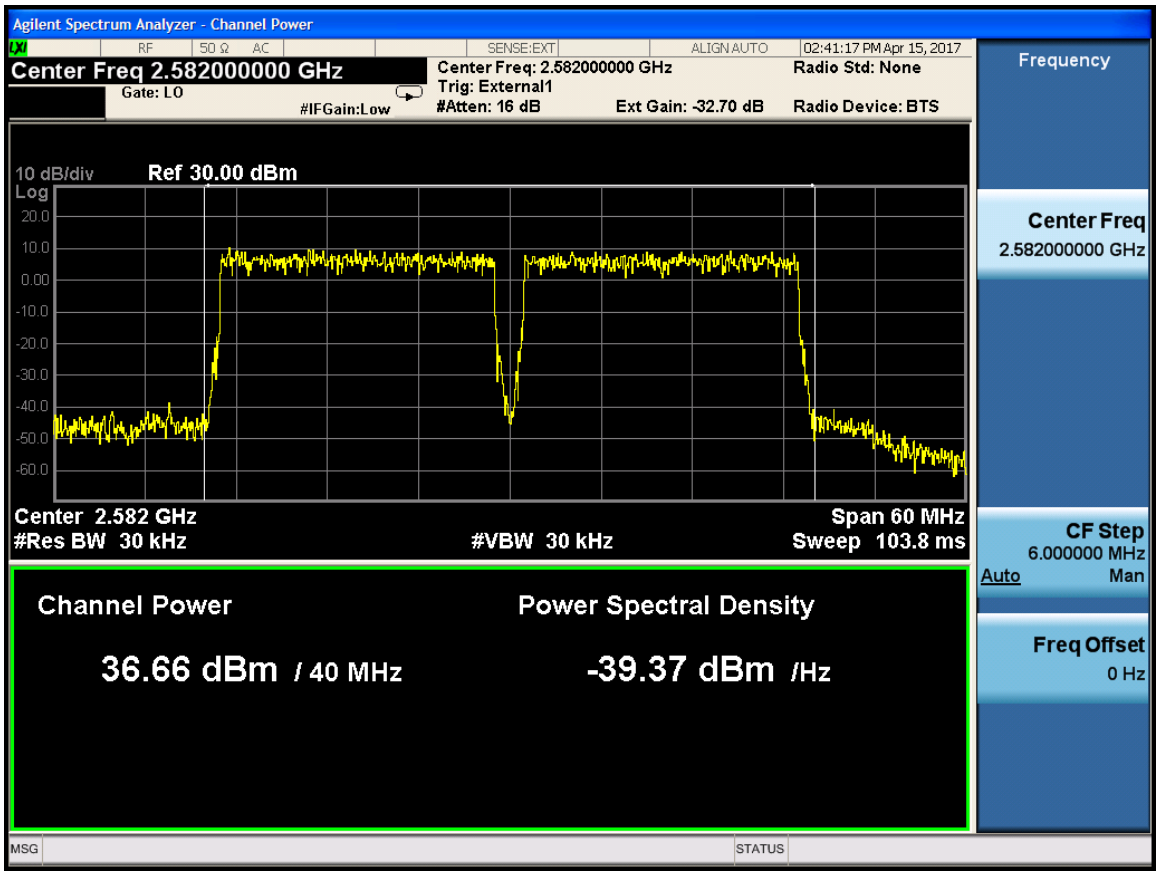

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:37:10 PM Apr 15, 2017
Center Freq 2.549000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.549000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center 2.549 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
Channel Power
36.93 dBm / 40 MHz
Power Spectral Density
-39.09 dBm /Hz
Center Freq
2.549000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS

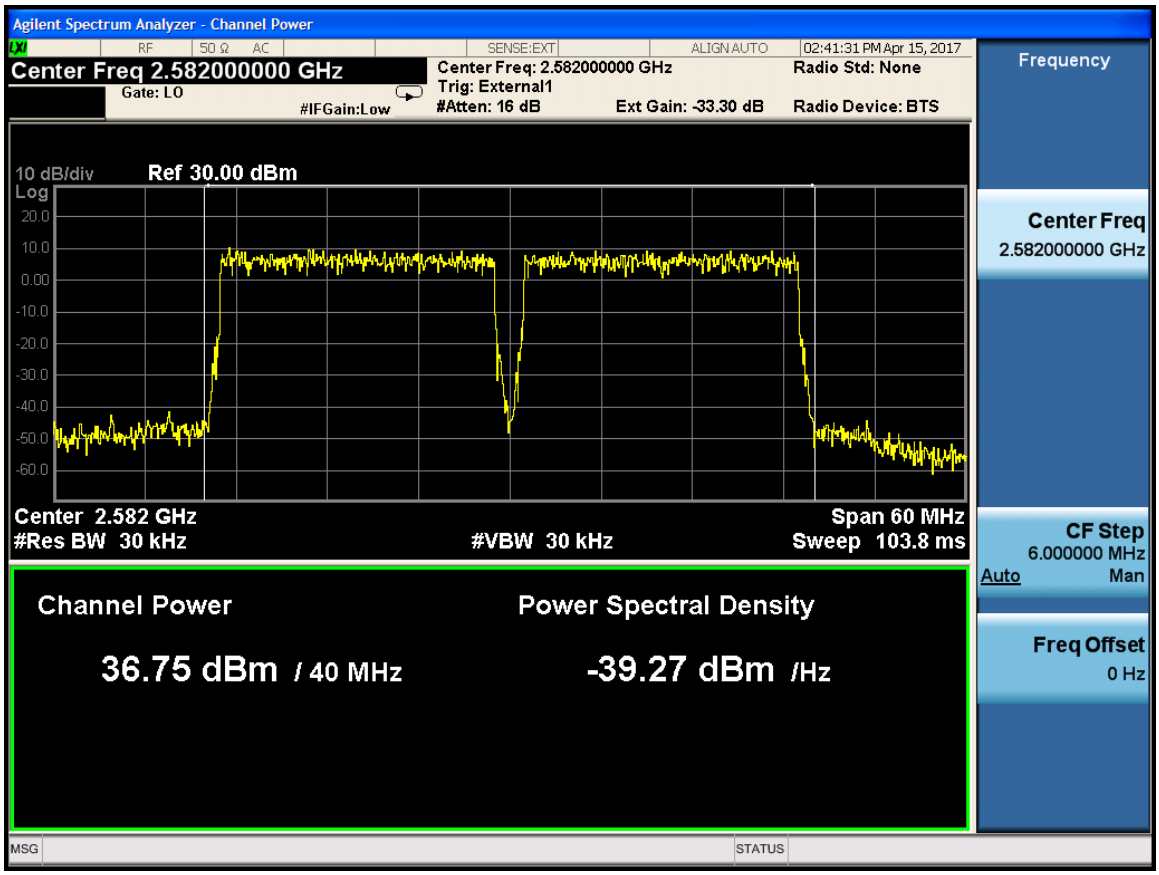

Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:42:34 PM Apr 15, 2017
Center Freq 2.582000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.582000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center 2.582 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
Channel Power
36.43 dBm / 40 MHz
Power Spectral Density
-39.59 dBm /Hz
Center Freq
2.582000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS


Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:42:46 PM Apr 15, 2017
Center Freq 2.582000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.582000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center 2.582 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
Channel Power
36.53 dBm / 40 MHz
Power Spectral Density
-39.49 dBm /Hz
Center Freq
2.582000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS


Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:42:09 PM Apr 15, 2017
Center Freq 2.582000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.582000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center 2.582 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
Channel Power
36.61 dBm / 40 MHz
Power Spectral Density
-39.41 dBm /Hz
Center Freq
2.582000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS


Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:41:56 PM Apr 15, 2017
Center Freq 2.582000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.582000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -33.30 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.582000000 GHz
Center 2.582 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
CF Step
6.000000 MHz
Auto
Man
Channel Power
36.71 dBm / 40 MHz
Power Spectral Density
-39.31 dBm /Hz
Freq Offset
0 Hz
MSG
File <Screen_0025.png> saved
STATUS


Agilent Spectrum Analyzer - Channel Power
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
02:41:17 PM Apr 15, 2017
Center Freq 2.582000000 GHz
Gate: LO
#IFGain:Low
Center Freq: 2.582000000 GHz
Trig: External1
#Atten: 16 dB
Ext Gain: -32.70 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center 2.582 GHz
#Res BW 30 kHz
#VBW 30 kHz
Span 60 MHz
Sweep 103.8 ms
Channel Power
36.66 dBm / 40 MHz
Power Spectral Density
-39.37 dBm /Hz
Center Freq
2.582000000 GHz
CF Step
6.000000 MHz
Auto
Man
Freq Offset
0 Hz
MSG
STATUS



5 MODULATION CHARACTERISTICS

Applicable Standard： FCC § 2.1047, §27.50

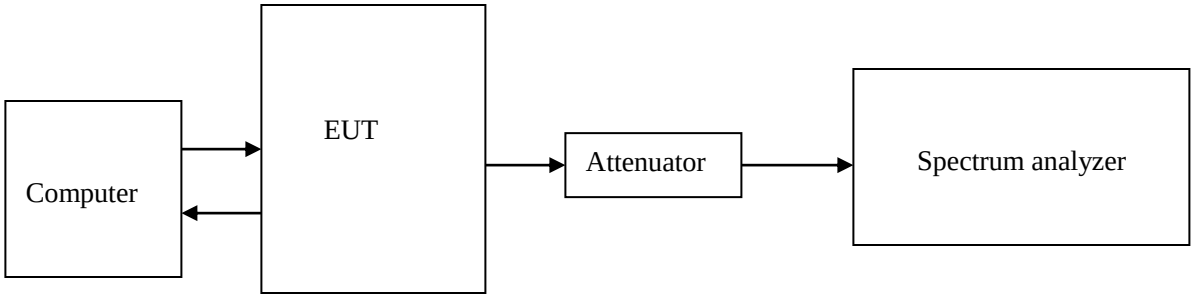
Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date

Agilent	MXA Series Spectrum Analyzer	N9020A	MY51240239	2016.11.28	2017.11.28

*__statement of traceability:__ ZTE Corporation Reliability Testing Center attests that all calibration has been performed per the NVLAP requirements, traceable to NIST.

Test Procedure



The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation. External attenuation Loss is 36.8dB.Configurate RRU output different modulation signals and test EVM by spectrum analyzer.

Environmental Conditions

Temperature:	20 °C
Relative Humidity:	53 %
ATM Pressure:	1009 mbar

Test Result: Pass

Test Mode: Transmitting LTE

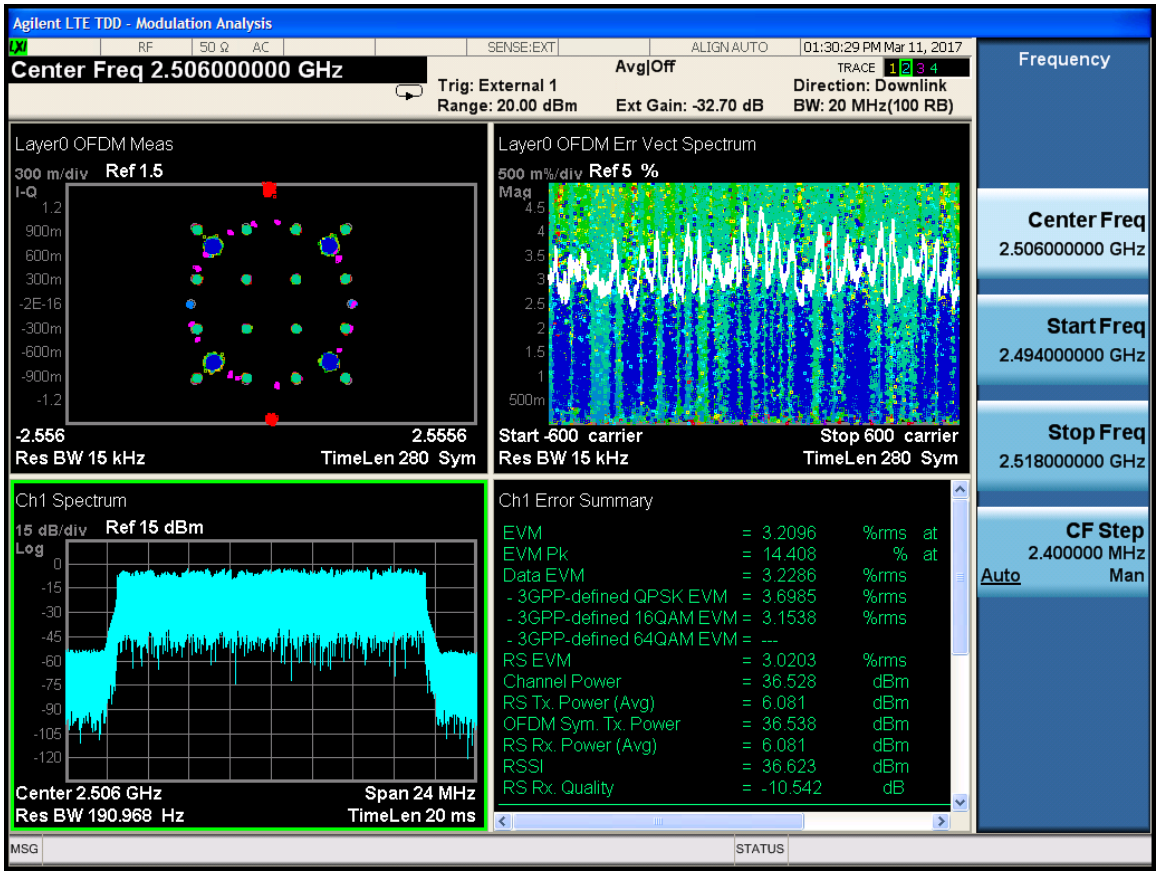
Test Data:

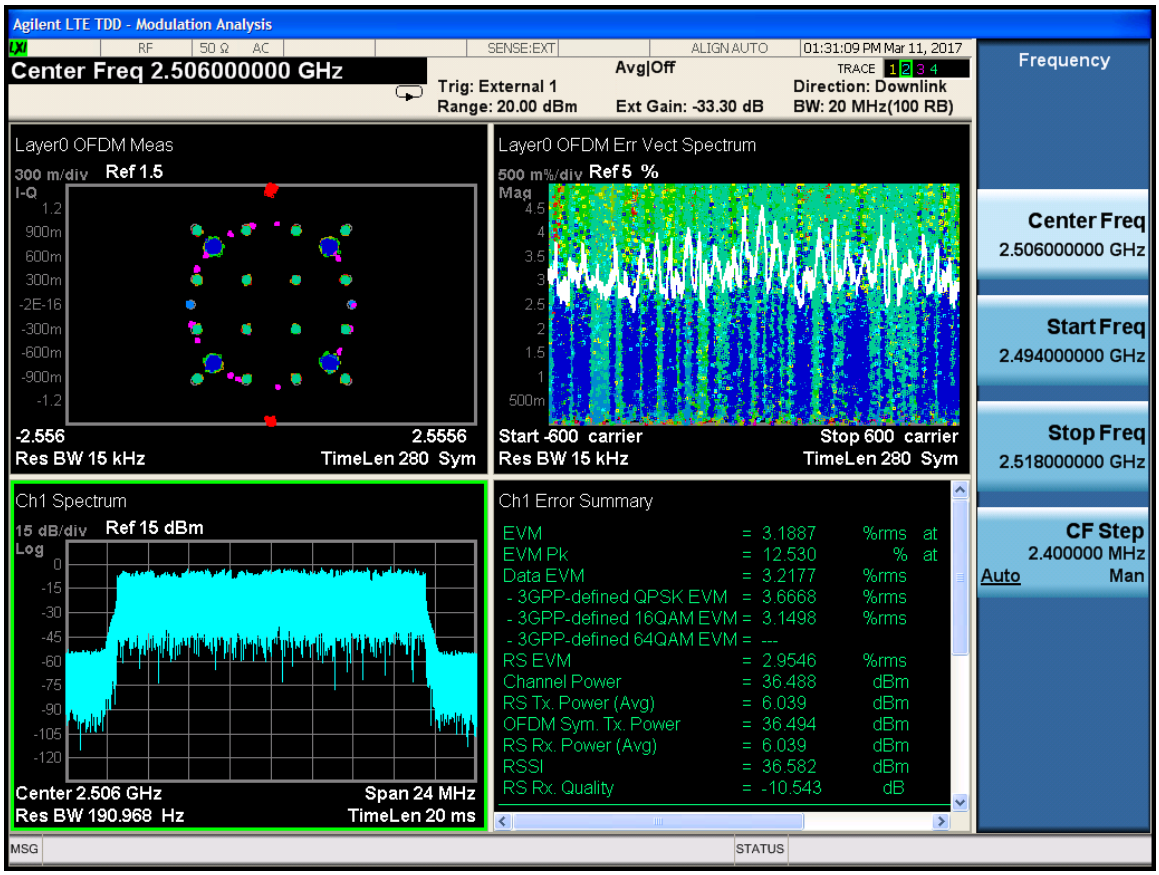
One Carrier

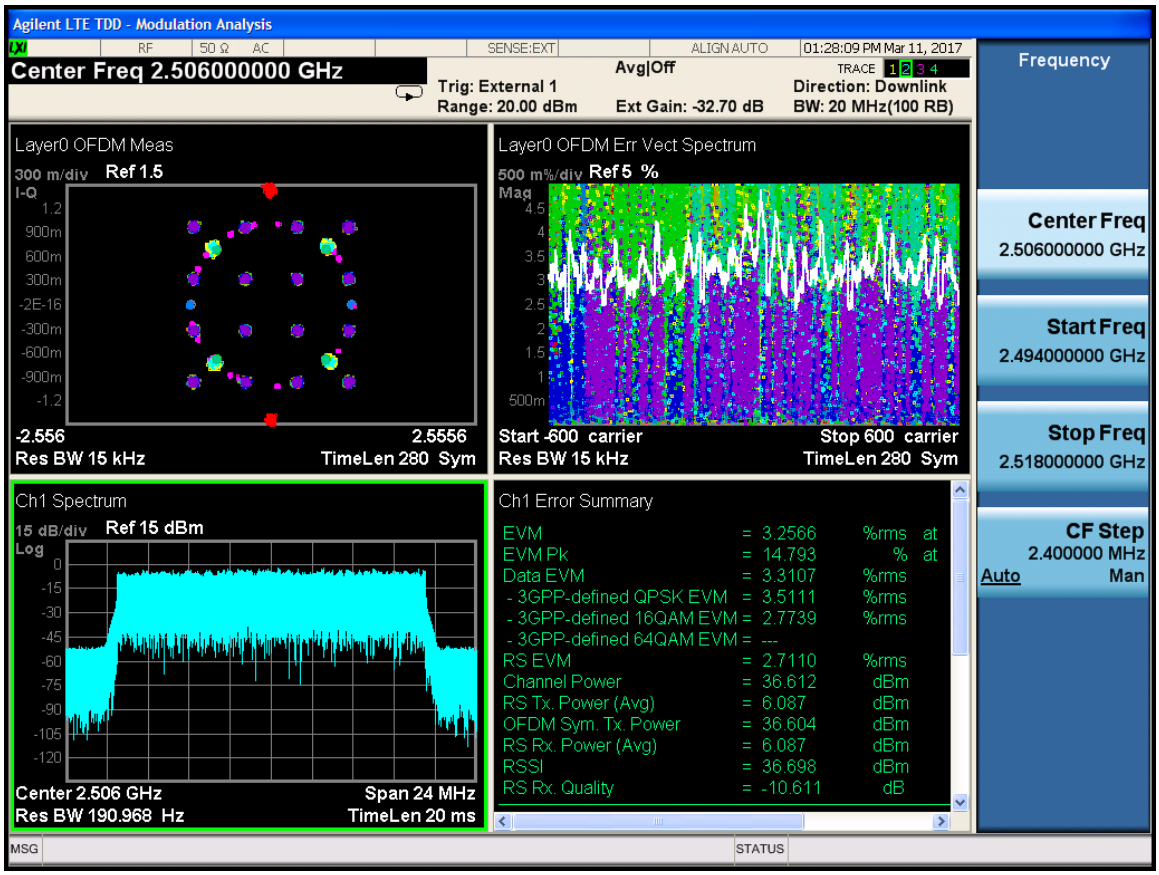
Channel Bandwidth: 20MM

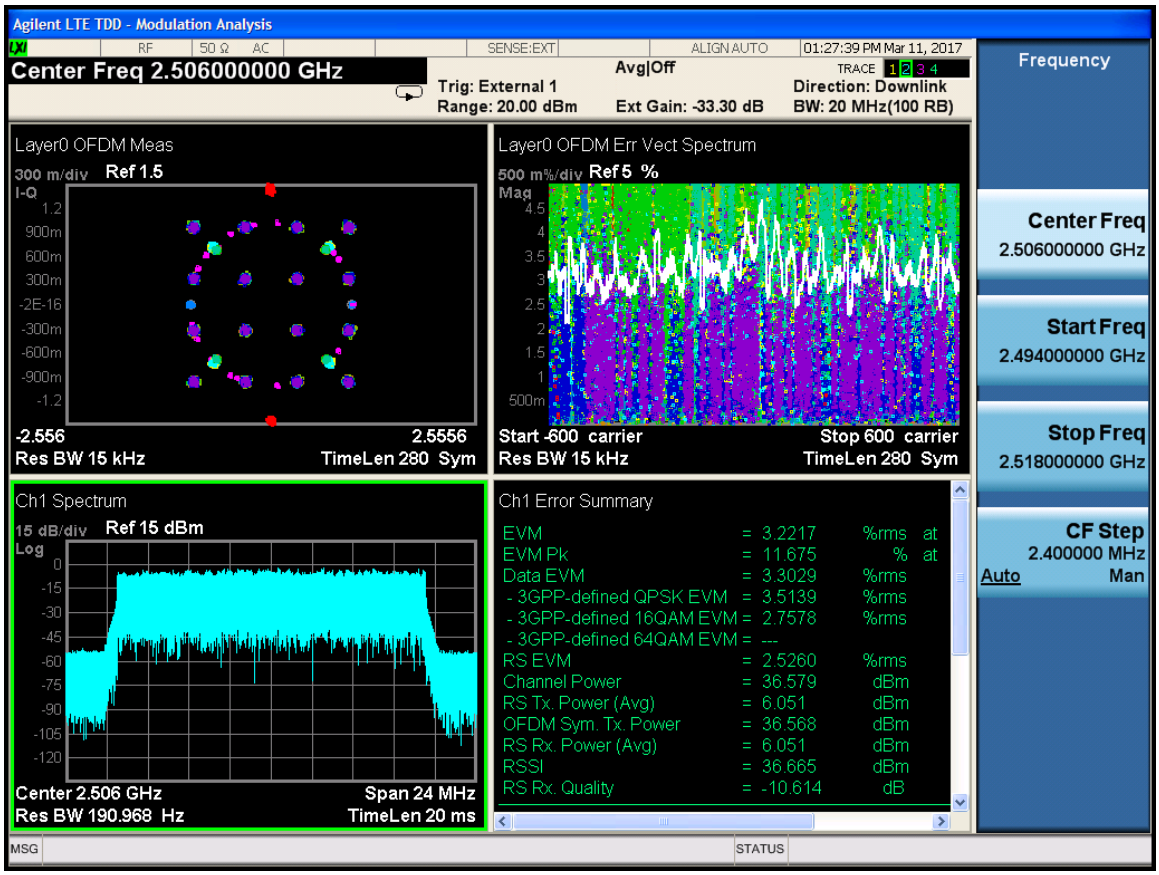
Port	Carrier Freq(MHz)	Occupied Bandwidth(MHz)

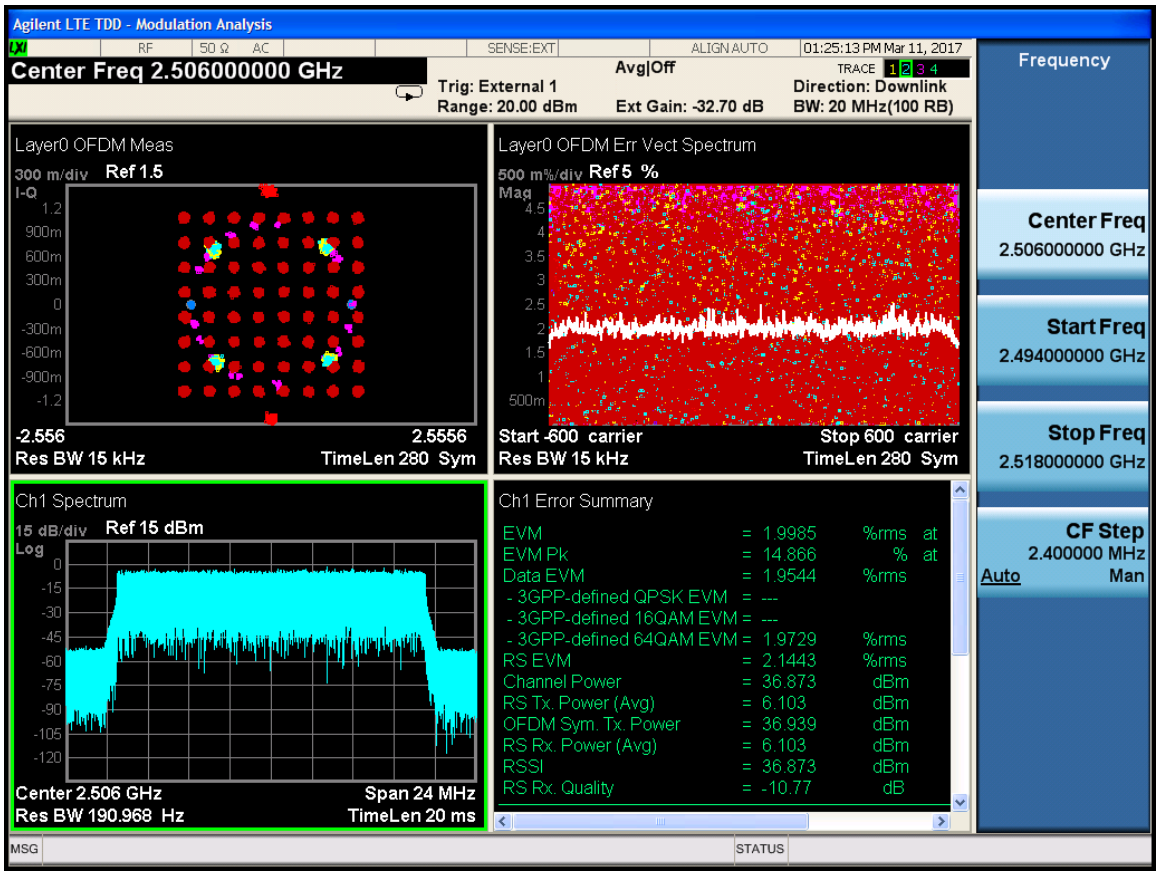
		QPSK	16QAM	64QAM
0	2506	3.7	2.77	1.97
1		3.67	2.76	1.94
0	2549	3.49	2.6	1.77
1		3.49	2.59	1.71
0	2592	3.66	2.66	1.83
1		3.56	2.64	1.84

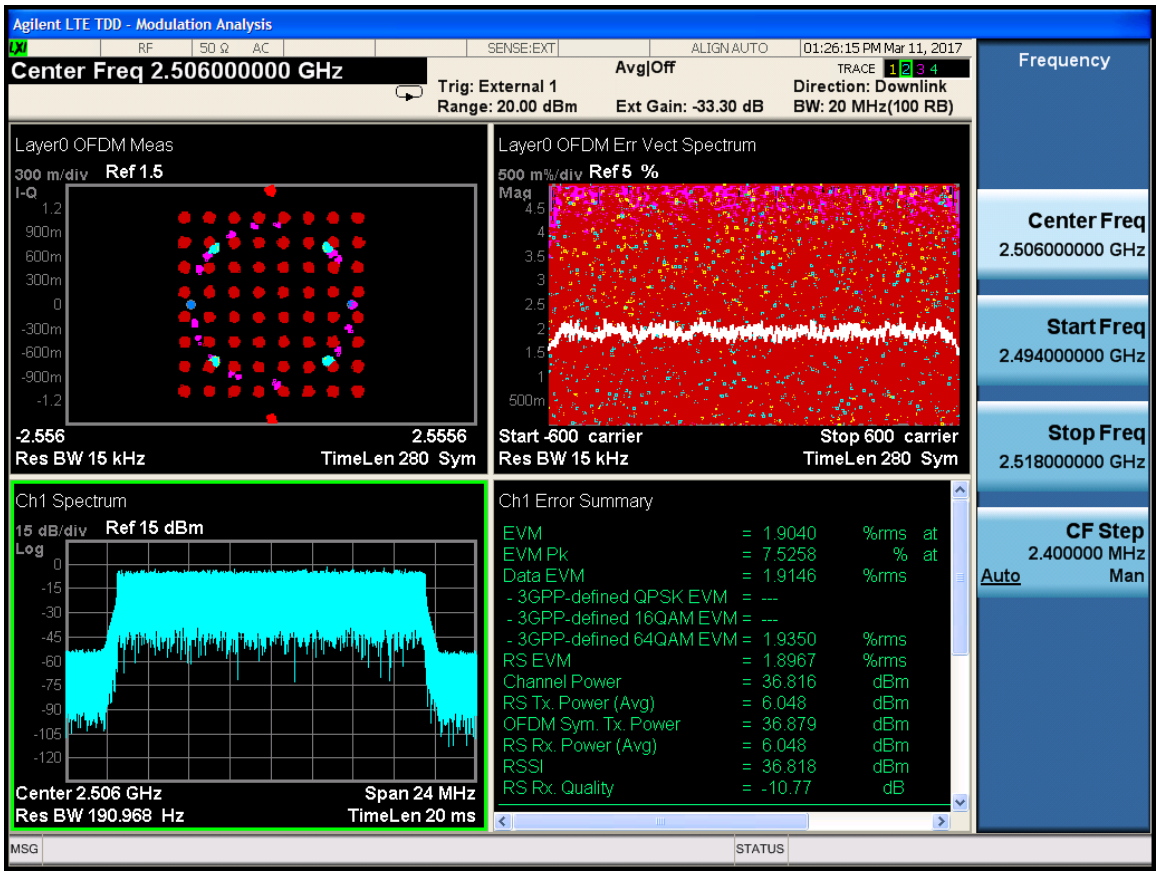


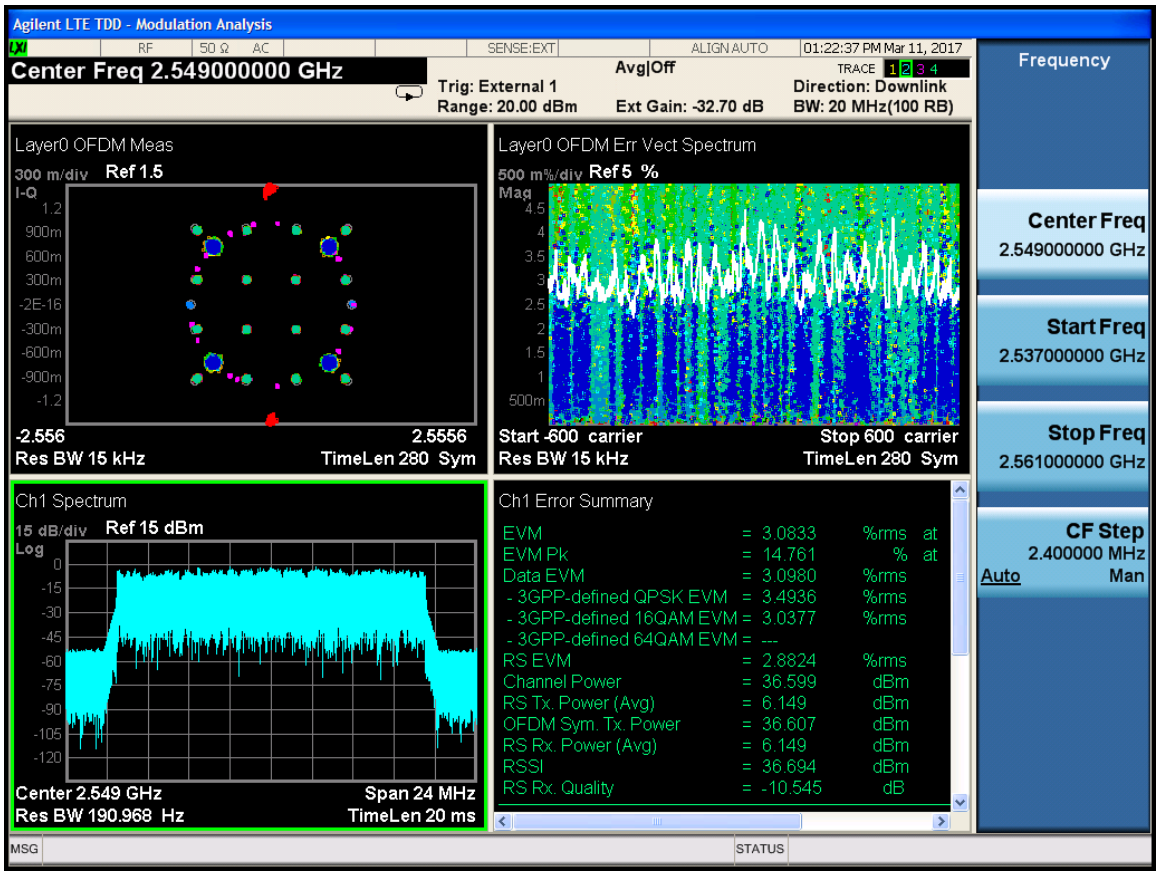

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:31:09 PM Mar 11, 2017
Center Freq 2.506000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.1887 %rms at
EVM Pk = 12.530 % at
Data EVM = 3.2177 %rms
- 3GPP-defined QPSK EVM = 3.6668 %rms
- 3GPP-defined 16QAM EVM = 3.1498 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.9546 %rms
Channel Power = 36.488 dBm
RS Tx. Power (Avg) = 6.039 dBm
OFDM Sym. Tx. Power = 36.494 dBm
RS Rx. Power (Avg) = 6.039 dBm
RSSI = 36.582 dBm
RS Rx. Quality = -10.543 dB
Center Freq
2.506000000 GHz
Start Freq
2.494000000 GHz
Stop Freq
2.518000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

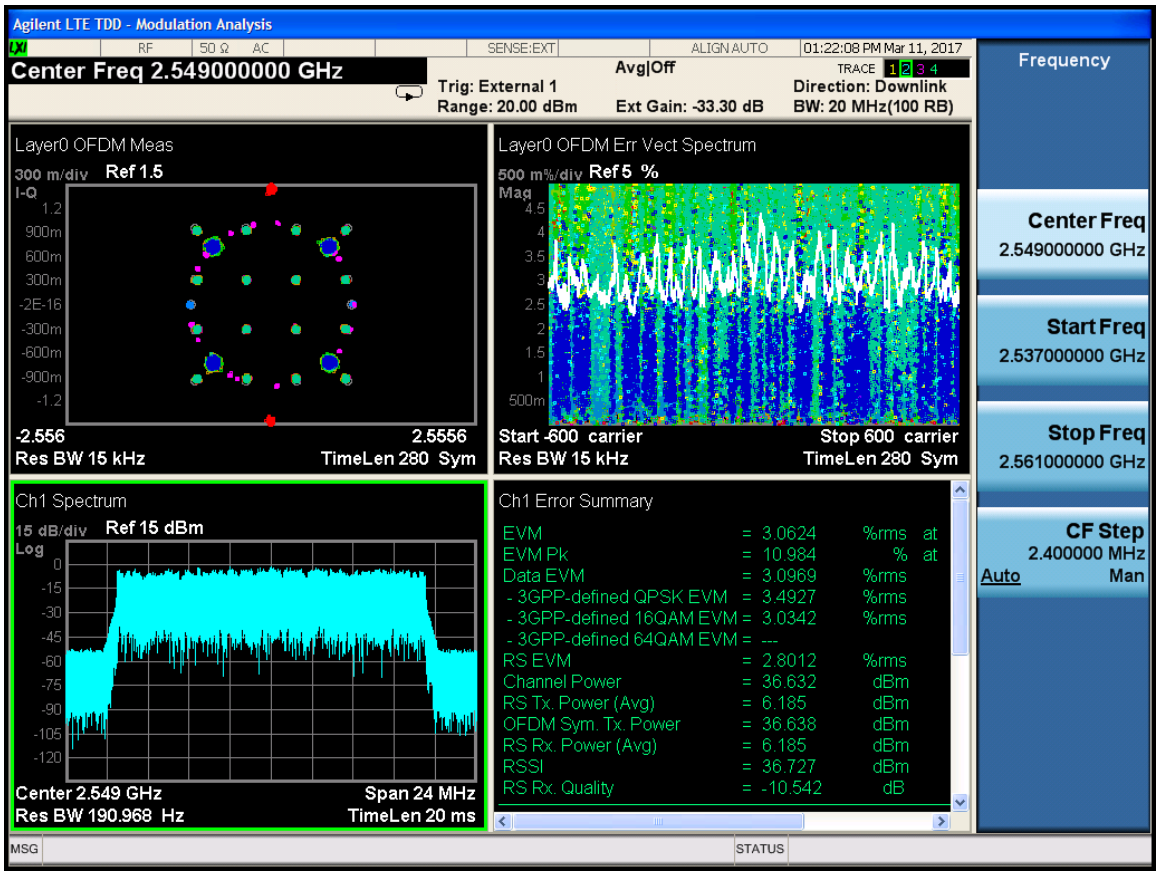

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
01:28:09 PM Mar 11, 2017
Center Freq 2.506000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.2566 %rms at
EVM Pk = 14.793 % at
Data EVM = 3.3107 %rms
- 3GPP-defined QPSK EVM = 3.5111 %rms
- 3GPP-defined 16QAM EVM = 2.7739 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.7110 %rms
Channel Power = 36.612 dBm
RS Tx. Power (Avg) = 6.087 dBm
OFDM Sym. Tx. Power = 36.604 dBm
RS Rx. Power (Avg) = 6.087 dBm
RSSI = 36.698 dBm
RS Rx. Quality = -10.611 dB
Center Freq
2.506000000 GHz
Start Freq
2.494000000 GHz
Stop Freq
2.518000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

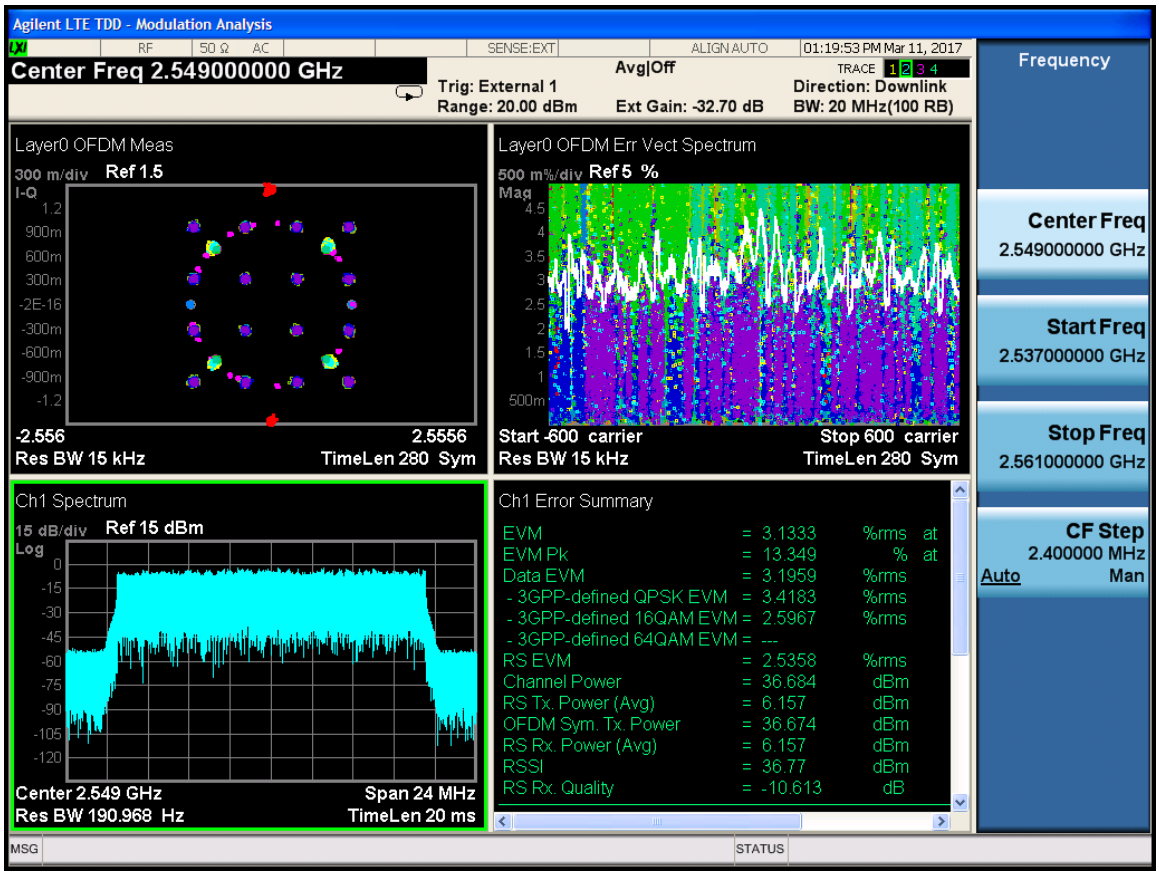

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:27:39 PM Mar 11, 2017
Center Freq 2.506000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.2217 %rms at
EVM Pk = 11.675 % at
Data EVM = 3.3029 %rms
- 3GPP-defined QPSK EVM = 3.5139 %rms
- 3GPP-defined 16QAM EVM = 2.7578 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.5260 %rms
Channel Power = 36.579 dBm
RS Tx. Power (Avg) = 6.051 dBm
OFDM Sym. Tx. Power = 36.568 dBm
RS Rx. Power (Avg) = 6.051 dBm
RSSI = 36.665 dBm
RS Rx. Quality = -10.614 dB
Center Freq
2.506000000 GHz
Start Freq
2.494000000 GHz
Stop Freq
2.518000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

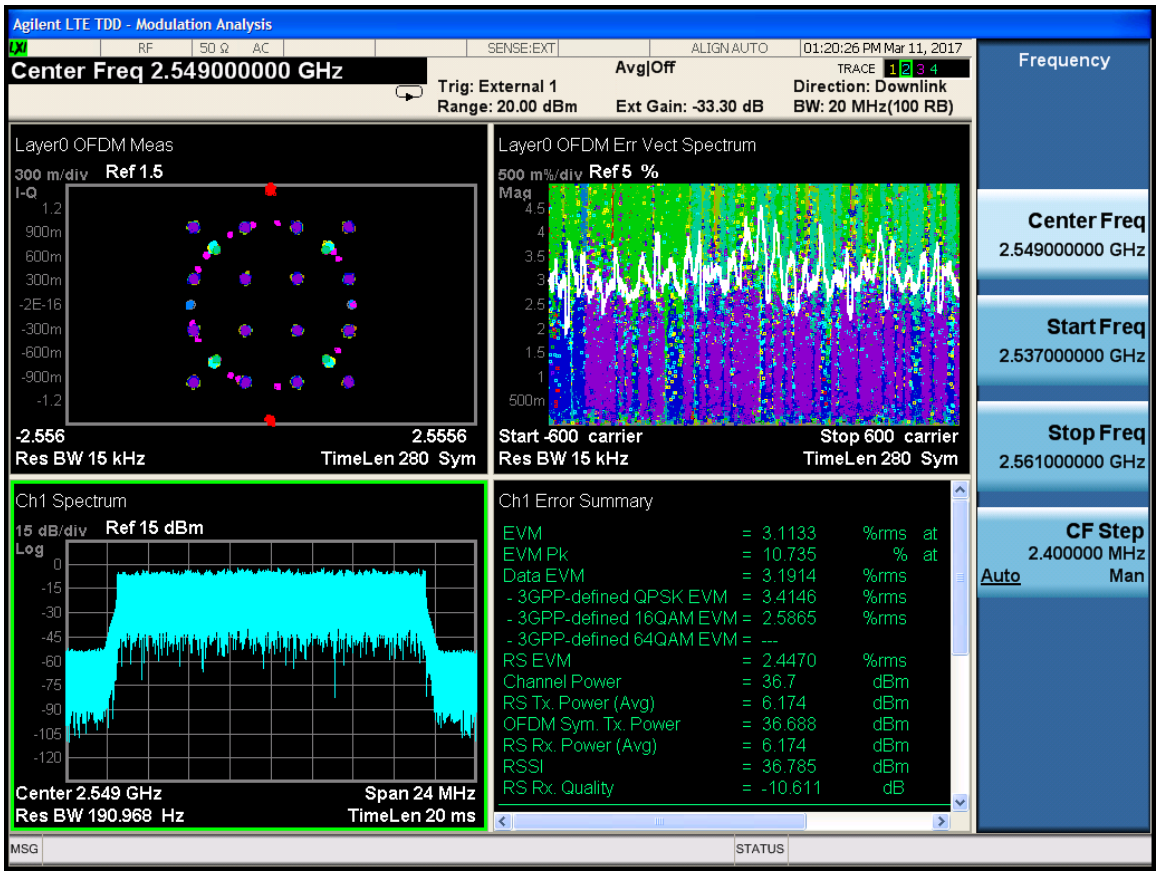

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
01:25:13 PM Mar 11, 2017
Center Freq 2.506000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 1.9985 %rms at
EVM Pk = 14.866 % at
Data EVM = 1.9544 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 1.9729 %rms
RS EVM = 2.1443 %rms
Channel Power = 36.873 dBm
RS Tx. Power (Avg) = 6.103 dBm
OFDM Sym. Tx. Power = 36.939 dBm
RS Rx. Power (Avg) = 6.103 dBm
RSSI = 36.873 dBm
RS Rx. Quality = -10.77 dB
Center Freq
2.506000000 GHz
Start Freq
2.494000000 GHz
Stop Freq
2.518000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

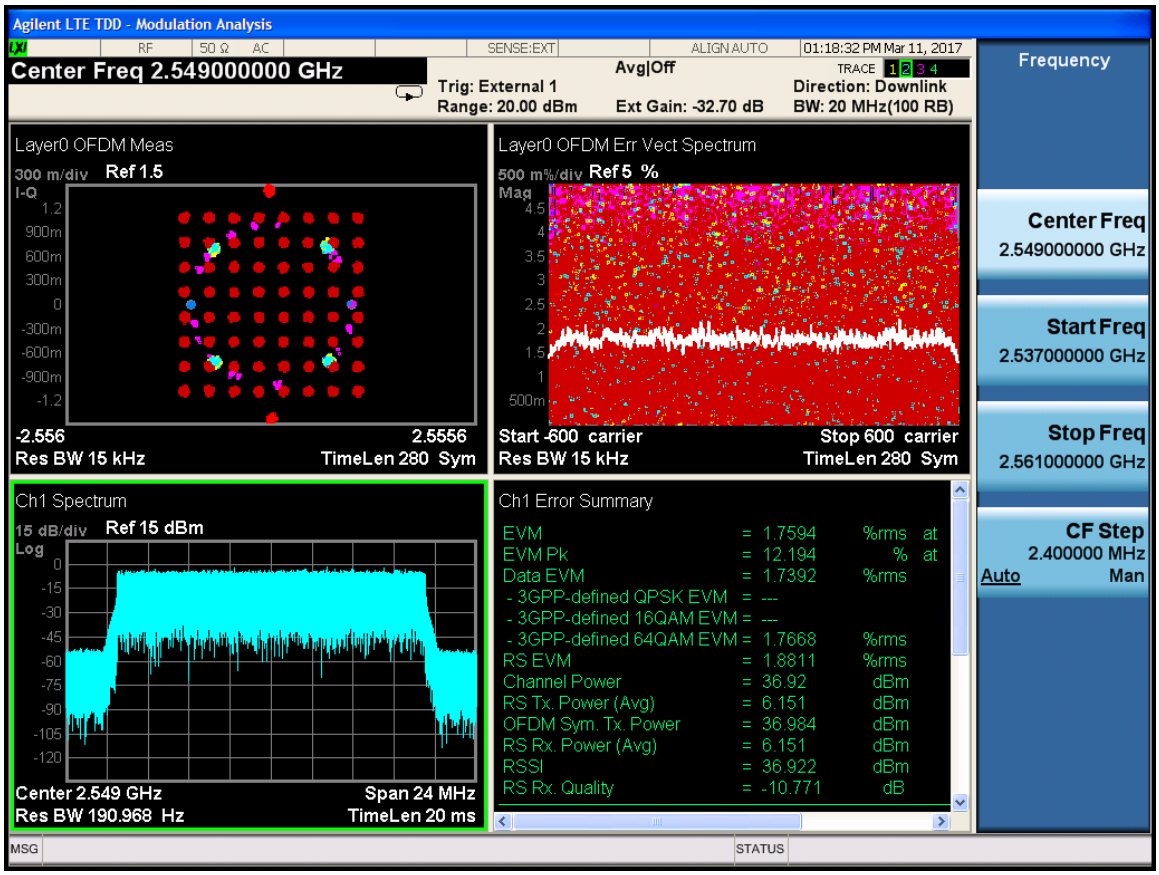

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:26:15 PM Mar 11, 2017
Center Freq 2.506000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 1.9040 %rms at
EVM Pk = 7.5258 % at
Data EVM = 1.9146 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 1.9350 %rms
RS EVM = 1.8967 %rms
Channel Power = 36.816 dBm
RS Tx. Power (Avg) = 6.048 dBm
OFDM Sym. Tx. Power = 36.879 dBm
RS Rx. Power (Avg) = 6.048 dBm
RSSI = 36.818 dBm
RS Rx. Quality = -10.77 dB
Center Freq
2.506000000 GHz
Start Freq
2.494000000 GHz
Stop Freq
2.518000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

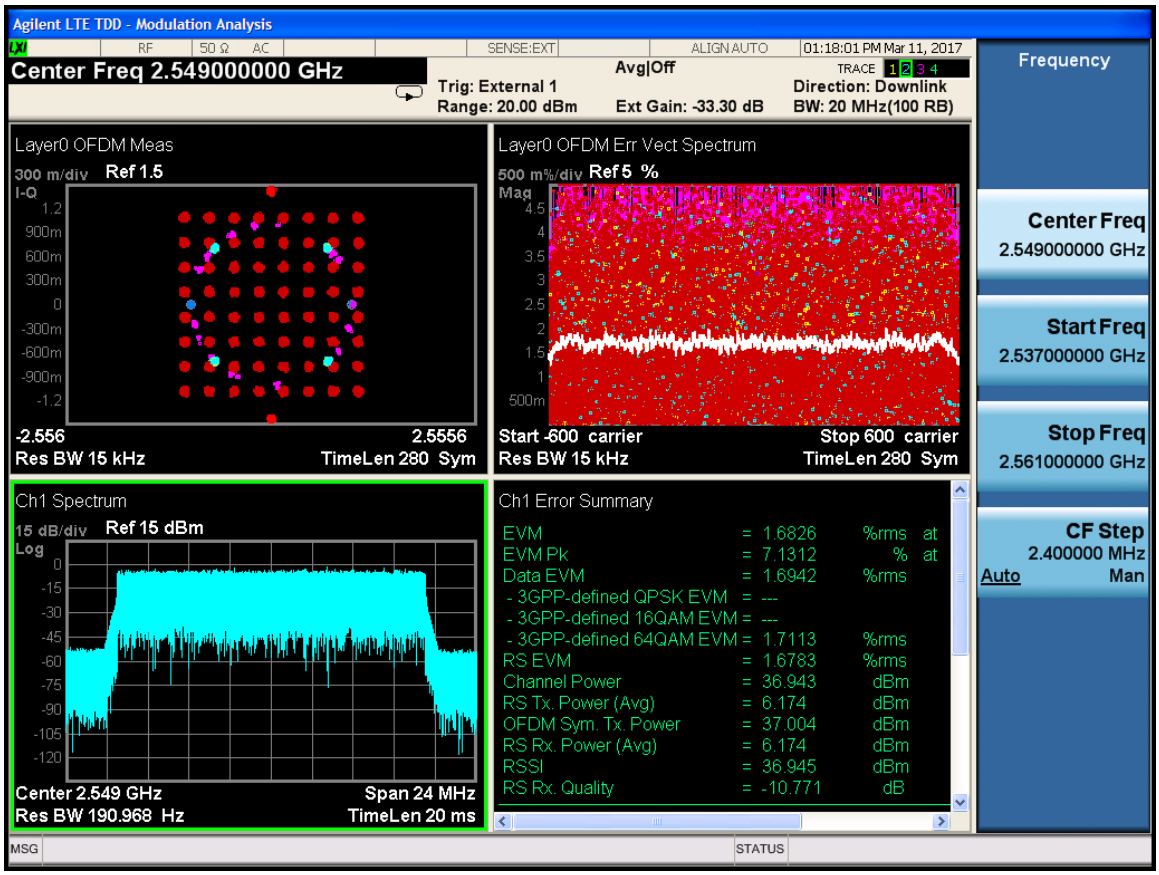

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:22:37 PM Mar 11, 2017
Center Freq 2.549000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.549 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.0833 %rms at
EVM Pk = 14.761 % at
Data EVM = 3.0980 %rms
- 3GPP-defined QPSK EVM = 3.4936 %rms
- 3GPP-defined 16QAM EVM = 3.0377 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.8824 %rms
Channel Power = 36.599 dBm
RS Tx. Power (Avg) = 6.149 dBm
OFDM Sym. Tx. Power = 36.607 dBm
RS Rx. Power (Avg) = 6.149 dBm
RSSI = 36.694 dBm
RS Rx. Quality = -10.545 dB
Center Freq
2.549000000 GHz
Start Freq
2.537000000 GHz
Stop Freq
2.561000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

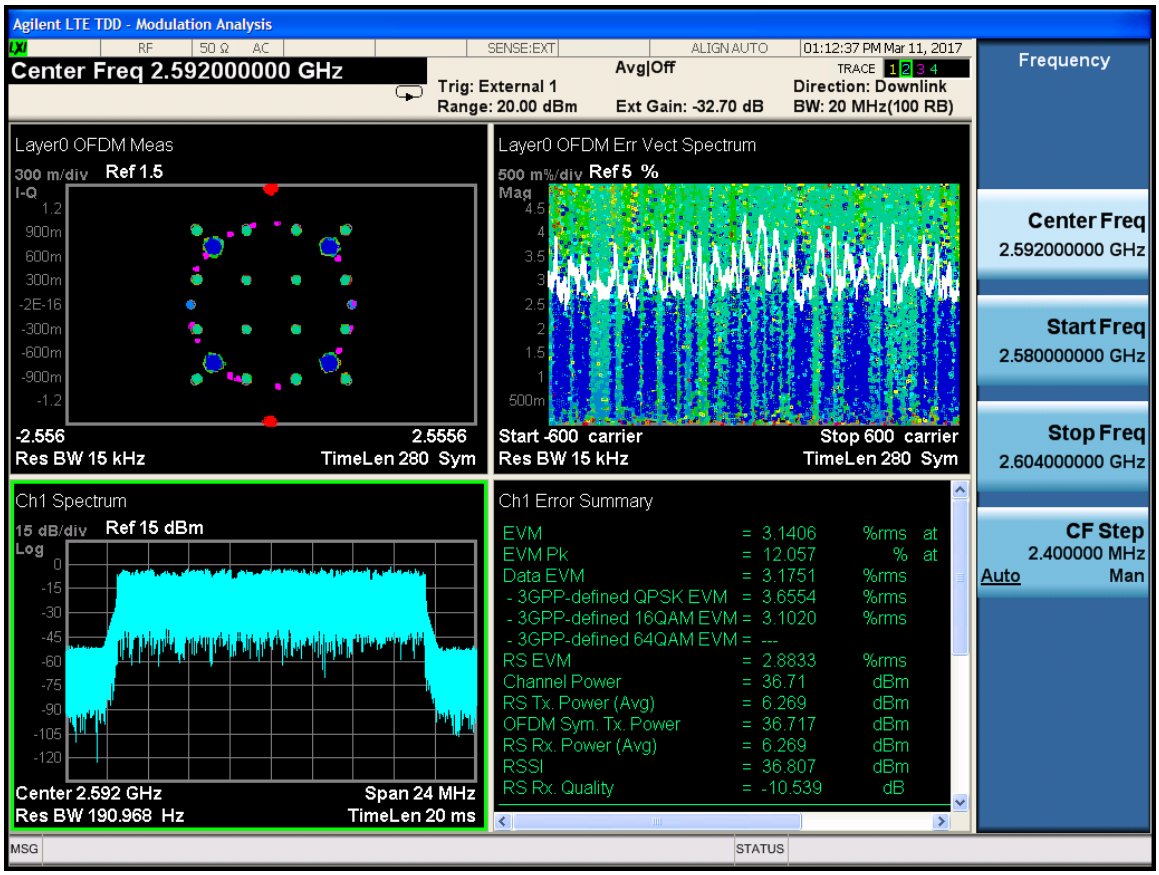

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:22:08 PM Mar 11, 2017
Center Freq 2.549000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.549 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.0624 %rms at
EVM Pk = 10.984 % at
Data EVM = 3.0969 %rms
- 3GPP-defined QPSK EVM = 3.4927 %rms
- 3GPP-defined 16QAM EVM = 3.0342 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.8012 %rms
Channel Power = 36.632 dBm
RS Tx. Power (Avg) = 6.185 dBm
OFDM Sym. Tx. Power = 36.638 dBm
RS Rx. Power (Avg) = 6.185 dBm
RSSI = 36.727 dBm
RS Rx. Quality = -10.542 dB
Center Freq
2.549000000 GHz
Start Freq
2.537000000 GHz
Stop Freq
2.561000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

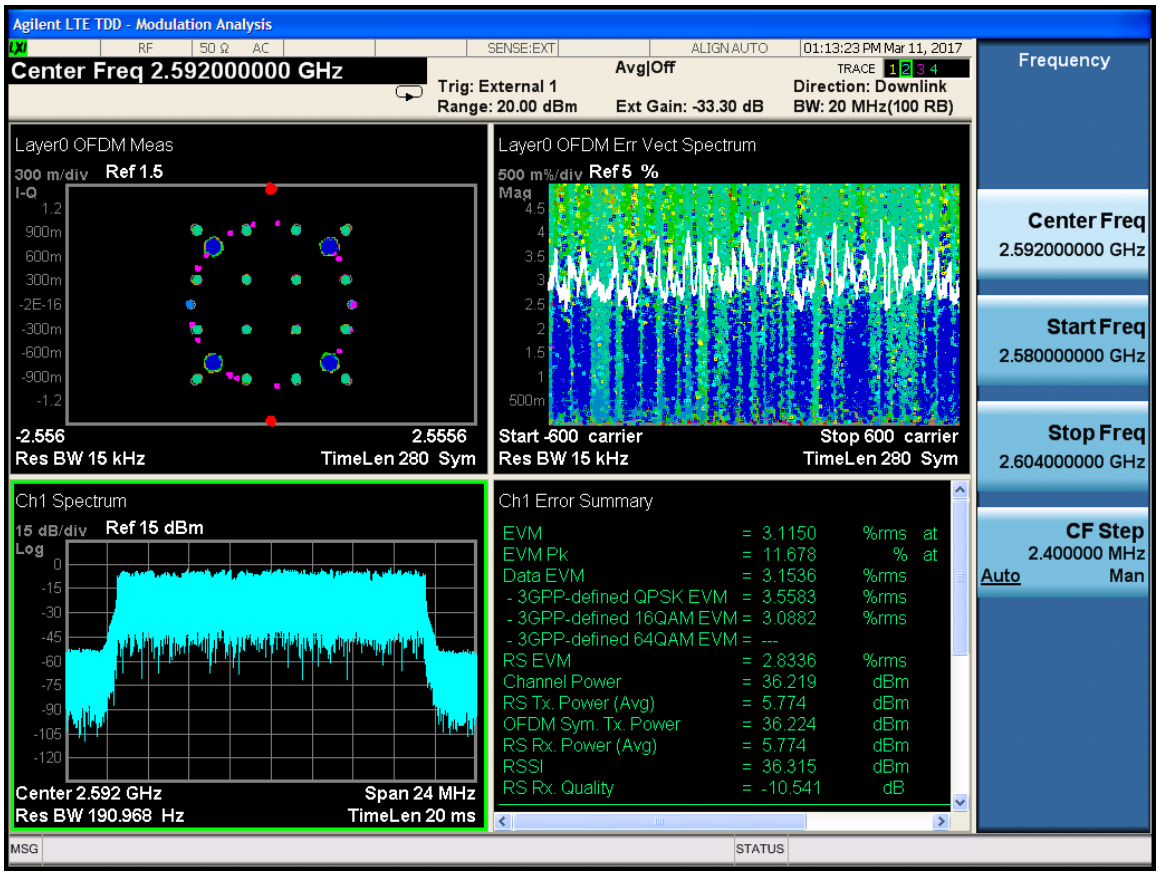

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:19:53 PM Mar 11, 2017
Center Freq 2.549000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.549 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.1333 %rms at
EVM Pk = 13.349 % at
Data EVM = 3.1959 %rms
- 3GPP-defined QPSK EVM = 3.4183 %rms
- 3GPP-defined 16QAM EVM = 2.5967 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.5358 %rms
Channel Power = 36.684 dBm
RS Tx. Power (Avg) = 6.157 dBm
OFDM Sym. Tx. Power = 36.674 dBm
RS Rx. Power (Avg) = 6.157 dBm
RSSI = 36.77 dBm
RS Rx. Quality = -10.613 dB
Center Freq
2.549000000 GHz
Start Freq
2.537000000 GHz
Stop Freq
2.561000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

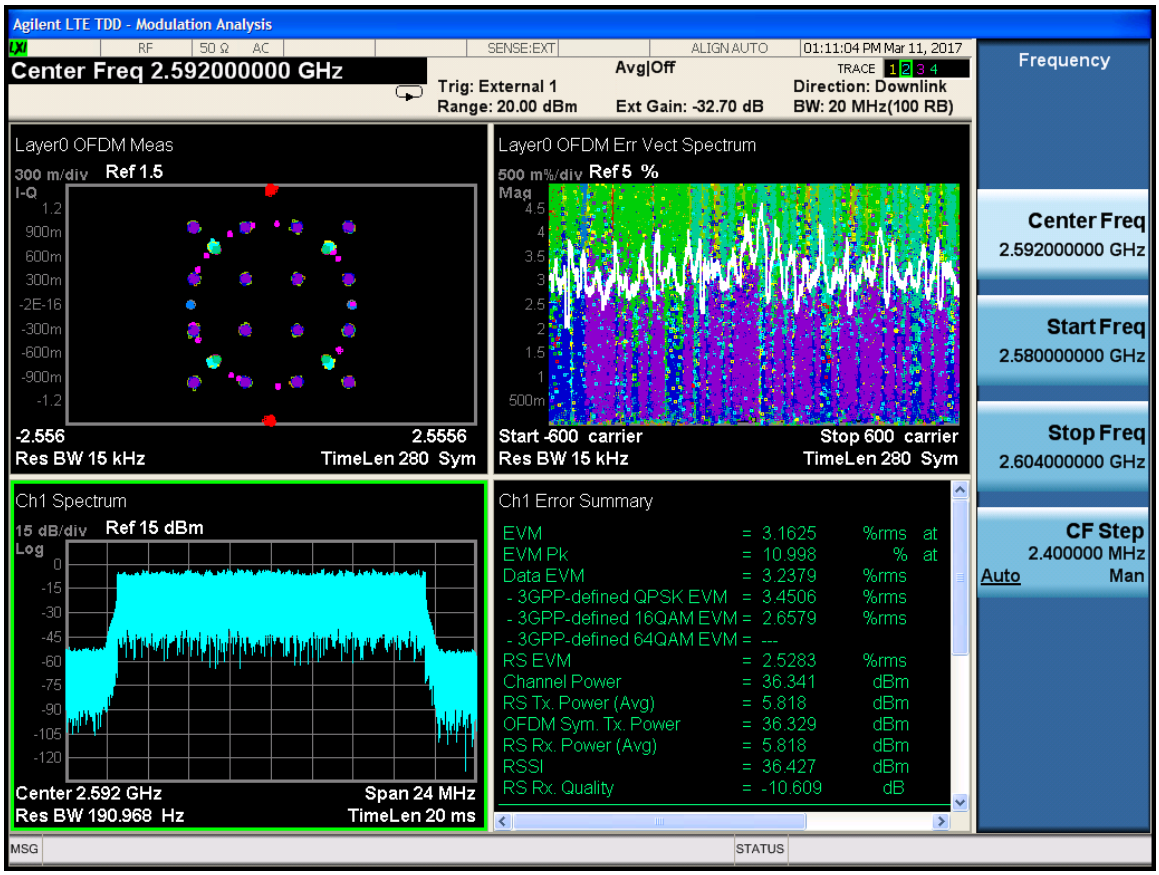

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:20:26 PM Mar 11, 2017
Center Freq 2.549000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.549000000 GHz
Start Freq
2.537000000 GHz
Stop Freq
2.561000000 GHz
CF Step
2.400000 MHz
Auto
Man
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.549 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.1133 %rms at
EVM Pk = 10.735 % at
Data EVM = 3.1914 %rms
- 3GPP-defined QPSK EVM = 3.4146 %rms
- 3GPP-defined 16QAM EVM = 2.5865 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.4470 %rms
Channel Power = 36.7 dBm
RS Tx. Power (Avg) = 6.174 dBm
OFDM Sym. Tx. Power = 36.688 dBm
RS Rx. Power (Avg) = 6.174 dBm
RSSI = 36.785 dBm
RS Rx. Quality = -10.611 dB
MSG
STATUS

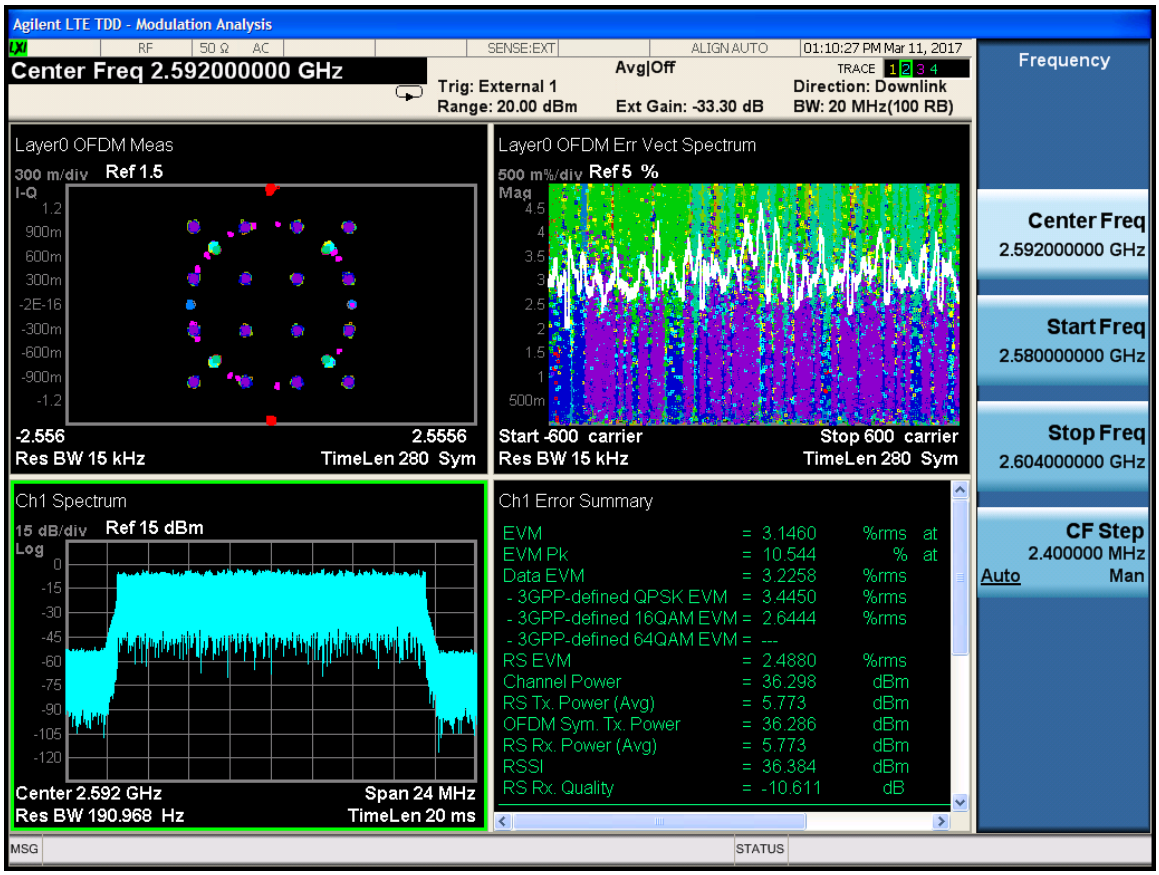

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:18:32 PM Mar 11, 2017
Center Freq 2.549000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.549 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 1.7594 %rms at
EVM Pk = 12.194 % at
Data EVM = 1.7392 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 1.7668 %rms
RS EVM = 1.8811 %rms
Channel Power = 36.92 dBm
RS Tx. Power (Avg) = 6.151 dBm
OFDM Sym. Tx. Power = 36.984 dBm
RS Rx. Power (Avg) = 6.151 dBm
RSSI = 36.922 dBm
RS Rx. Quality = -10.771 dB
Center Freq
2.549000000 GHz
Start Freq
2.537000000 GHz
Stop Freq
2.561000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

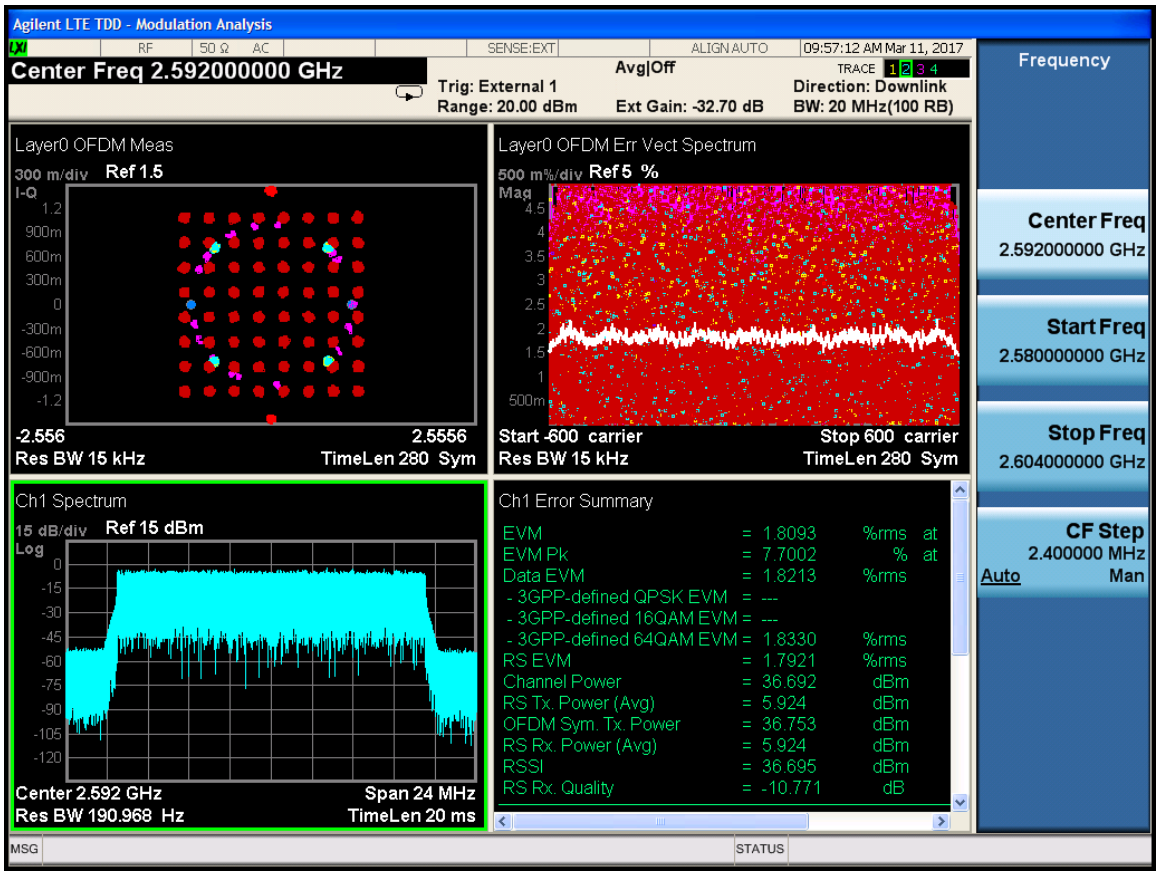

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:18:01 PM Mar 11, 2017
Center Freq 2.549000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.549 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 1.6826 %rms at
EVM Pk = 7.1312 % at
Data EVM = 1.6942 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 1.7113 %rms
RS EVM = 1.6783 %rms
Channel Power = 36.943 dBm
RS Tx. Power (Avg) = 6.174 dBm
OFDM Sym. Tx. Power = 37.004 dBm
RS Rx. Power (Avg) = 6.174 dBm
RSSI = 36.945 dBm
RS Rx. Quality = -10.771 dB
Center Freq
2.549000000 GHz
Start Freq
2.537000000 GHz
Stop Freq
2.561000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

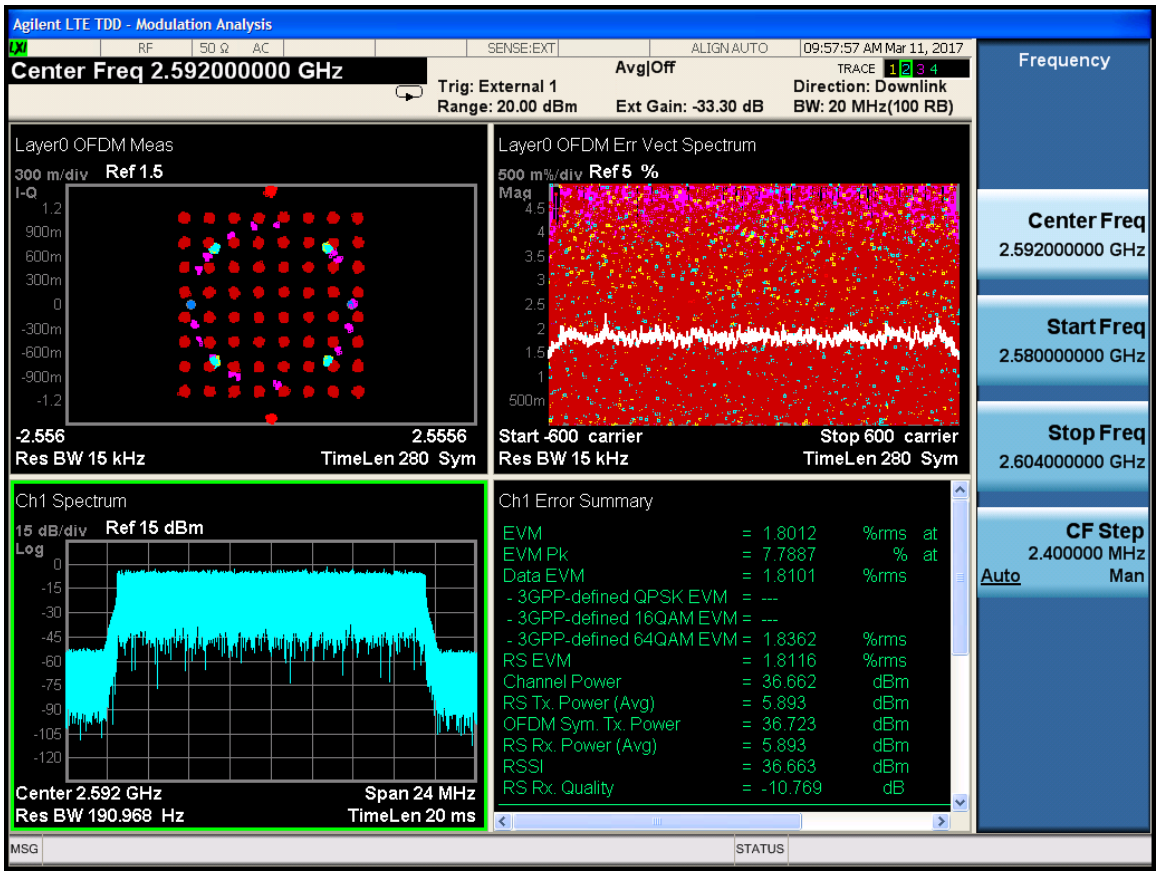

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
01:12:37 PM Mar 11, 2017
Center Freq 2.592000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.592 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.1406 %rms at
EVM Pk = 12.057 % at
Data EVM = 3.1751 %rms
- 3GPP-defined QPSK EVM = 3.6554 %rms
- 3GPP-defined 16QAM EVM = 3.1020 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.8833 %rms
Channel Power = 36.71 dBm
RS Tx. Power (Avg) = 6.269 dBm
OFDM Sym. Tx. Power = 36.717 dBm
RS Rx. Power (Avg) = 6.269 dBm
RSSI = 36.807 dBm
RS Rx. Quality = -10.539 dB
Center Freq
2.592000000 GHz
Start Freq
2.580000000 GHz
Stop Freq
2.604000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:13:23 PM Mar 11, 2017
Center Freq 2.592000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.592000000 GHz
Start Freq
2.580000000 GHz
Stop Freq
2.604000000 GHz
CF Step
2.400000 MHz
Auto
Man
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.592 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.1150 %rms at
EVM Pk = 11.678 % at
Data EVM = 3.1536 %rms
- 3GPP-defined QPSK EVM = 3.5583 %rms
- 3GPP-defined 16QAM EVM = 3.0882 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.8336 %rms
Channel Power = 36.219 dBm
RS Tx. Power (Avg) = 5.774 dBm
OFDM Sym. Tx. Power = 36.224 dBm
RS Rx. Power (Avg) = 5.774 dBm
RSSI = 36.315 dBm
RS Rx. Quality = -10.541 dB
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
01:11:04 PM Mar 11, 2017
Center Freq 2.592000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.592 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.1625 %rms at
EVM Pk = 10.998 % at
Data EVM = 3.2379 %rms
- 3GPP-defined QPSK EVM = 3.4506 %rms
- 3GPP-defined 16QAM EVM = 2.6579 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.5283 %rms
Channel Power = 36.341 dBm
RS Tx. Power (Avg) = 5.818 dBm
OFDM Sym. Tx. Power = 36.329 dBm
RS Rx. Power (Avg) = 5.818 dBm
RSSI = 36.427 dBm
RS Rx. Quality = -10.609 dB
Center Freq
2.592000000 GHz
Start Freq
2.580000000 GHz
Stop Freq
2.604000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
01:10:27 PM Mar 11, 2017
Center Freq 2.592000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.592 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 3.1460 %rms at
EVM Pk = 10.544 % at
Data EVM = 3.2258 %rms
- 3GPP-defined QPSK EVM = 3.4450 %rms
- 3GPP-defined 16QAM EVM = 2.6444 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.4880 %rms
Channel Power = 36.298 dBm
RS Tx. Power (Avg) = 5.773 dBm
OFDM Sym. Tx. Power = 36.286 dBm
RS Rx. Power (Avg) = 5.773 dBm
RSSI = 36.384 dBm
RS Rx. Quality = -10.611 dB
Center Freq
2.592000000 GHz
Start Freq
2.580000000 GHz
Stop Freq
2.604000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

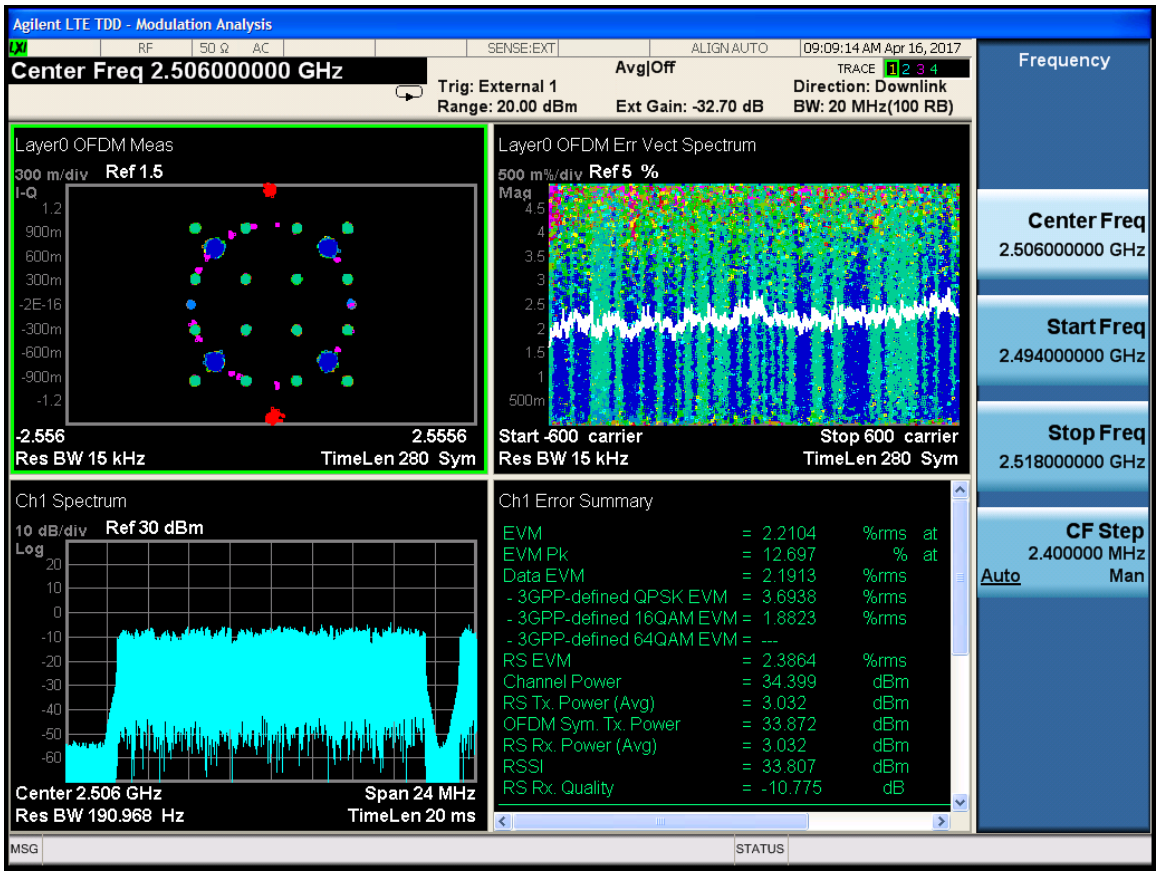

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:57:12 AM Mar 11, 2017
Center Freq 2.592000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
15 dB/div Ref 15 dBm
Log
0
-15
-30
-45
-60
-75
-90
-105
-120
Center 2.592 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 1.8093 %rms at
EVM Pk = 7.7002 % at
Data EVM = 1.8213 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 1.8330 %rms
RS EVM = 1.7921 %rms
Channel Power = 36.692 dBm
RS Tx. Power (Avg) = 5.924 dBm
OFDM Sym. Tx. Power = 36.753 dBm
RS Rx. Power (Avg) = 5.924 dBm
RSSI = 36.695 dBm
RS Rx. Quality = -10.771 dB
Center Freq
2.592000000 GHz
Start Freq
2.580000000 GHz
Stop Freq
2.604000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

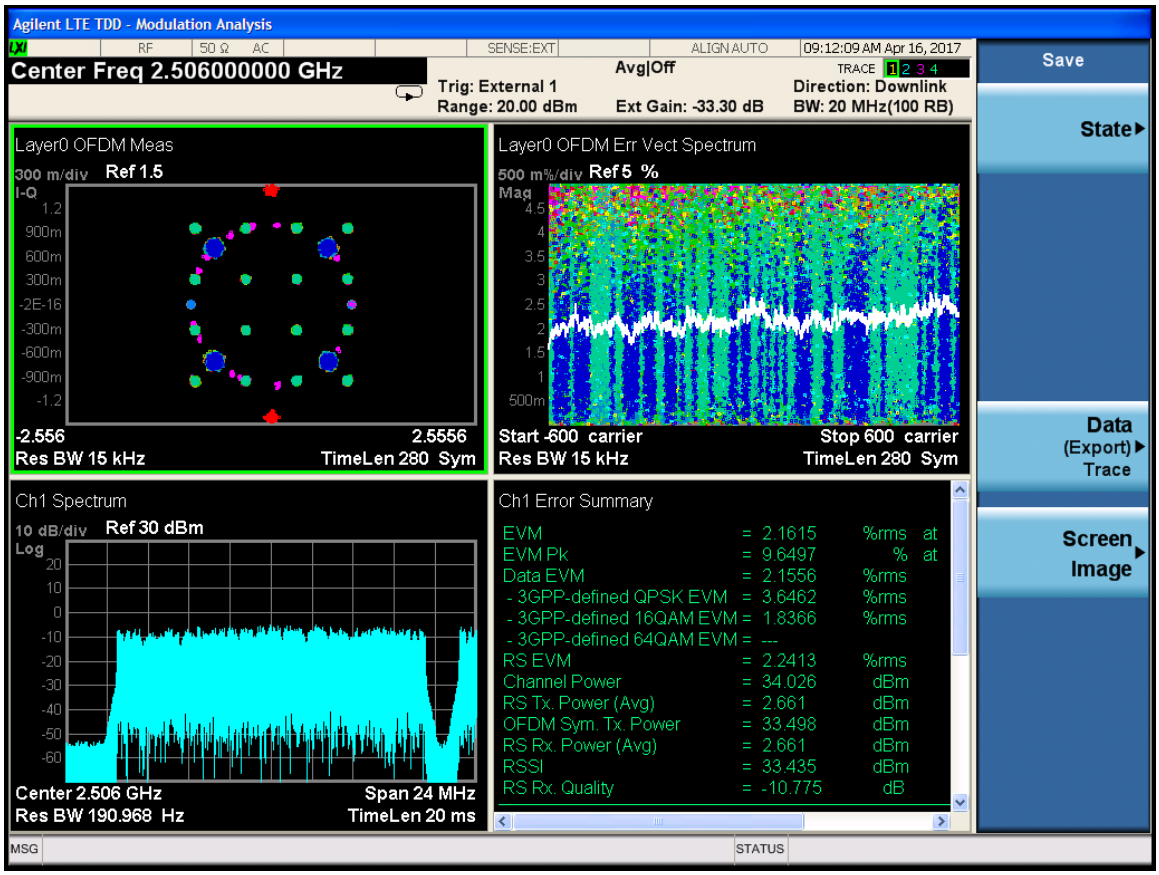


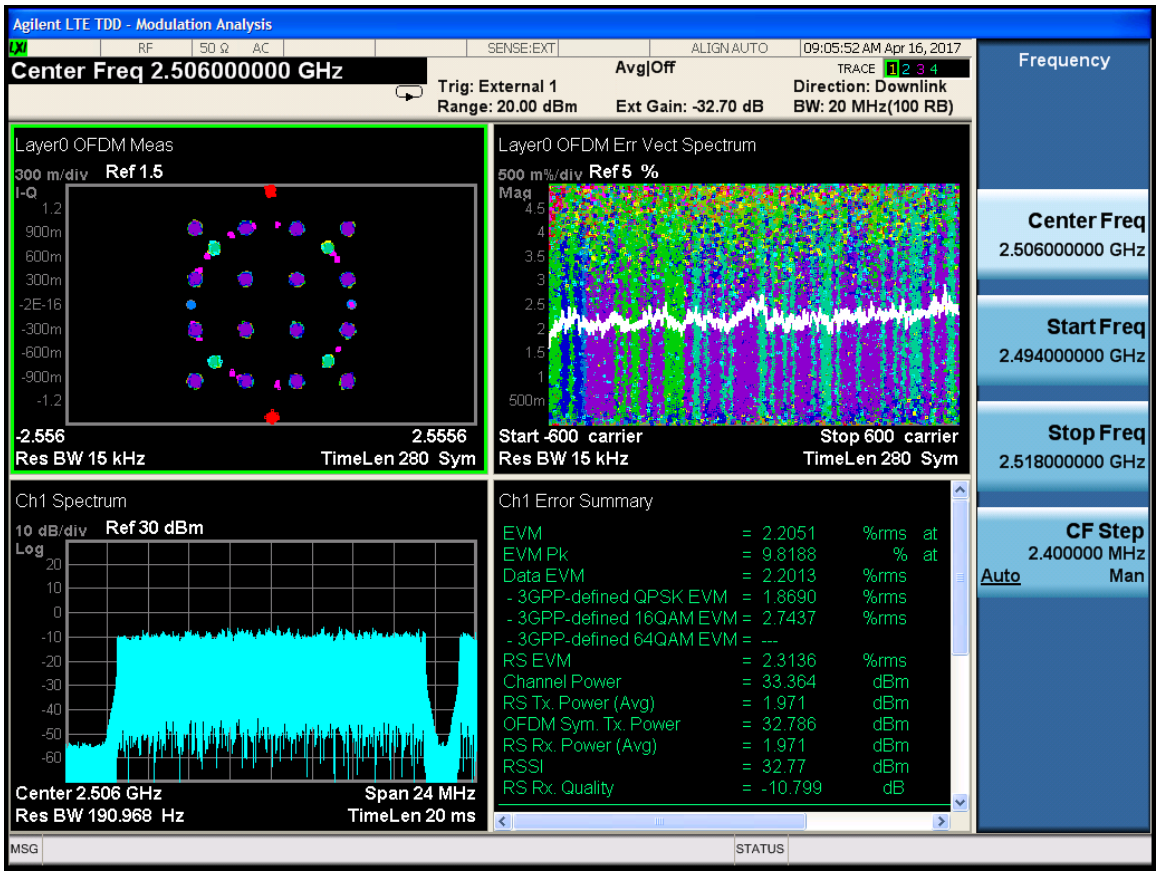
Two Carrier

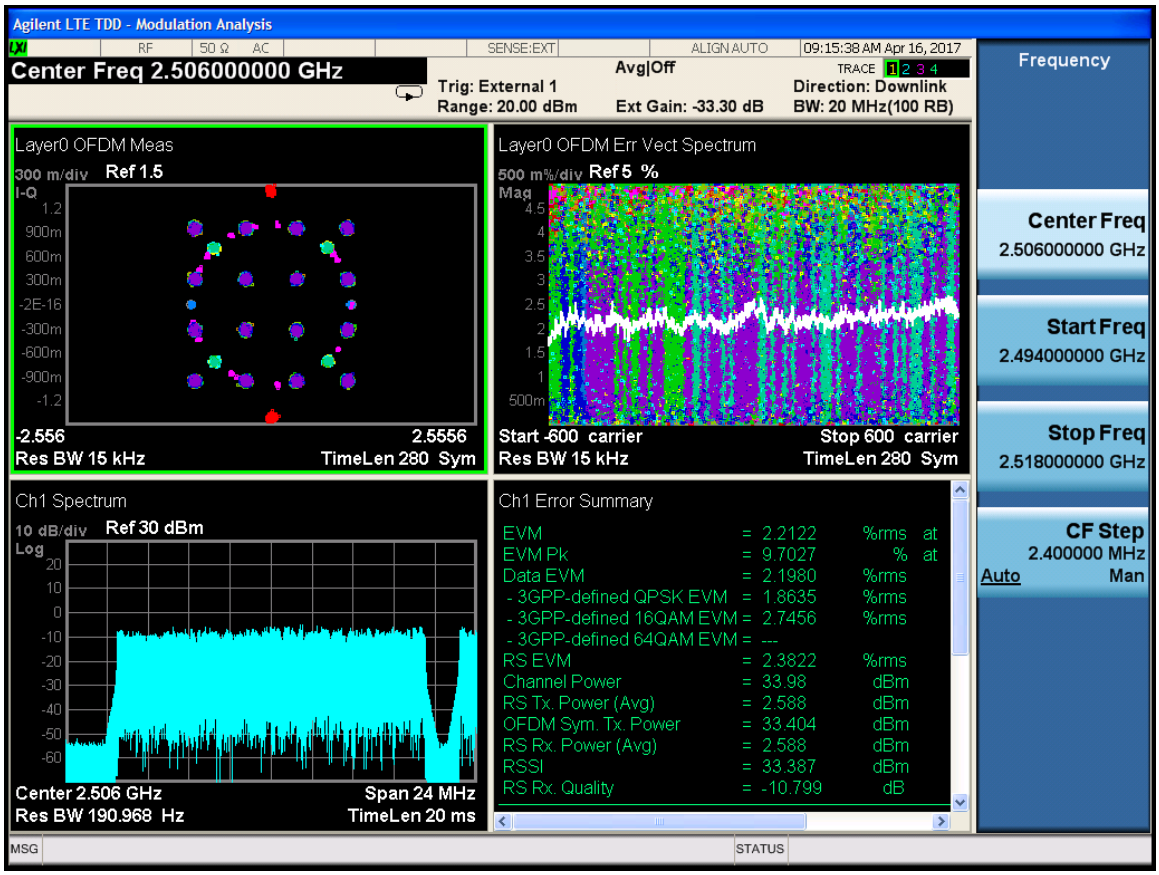
Channel Bandwidth: 20M+20M

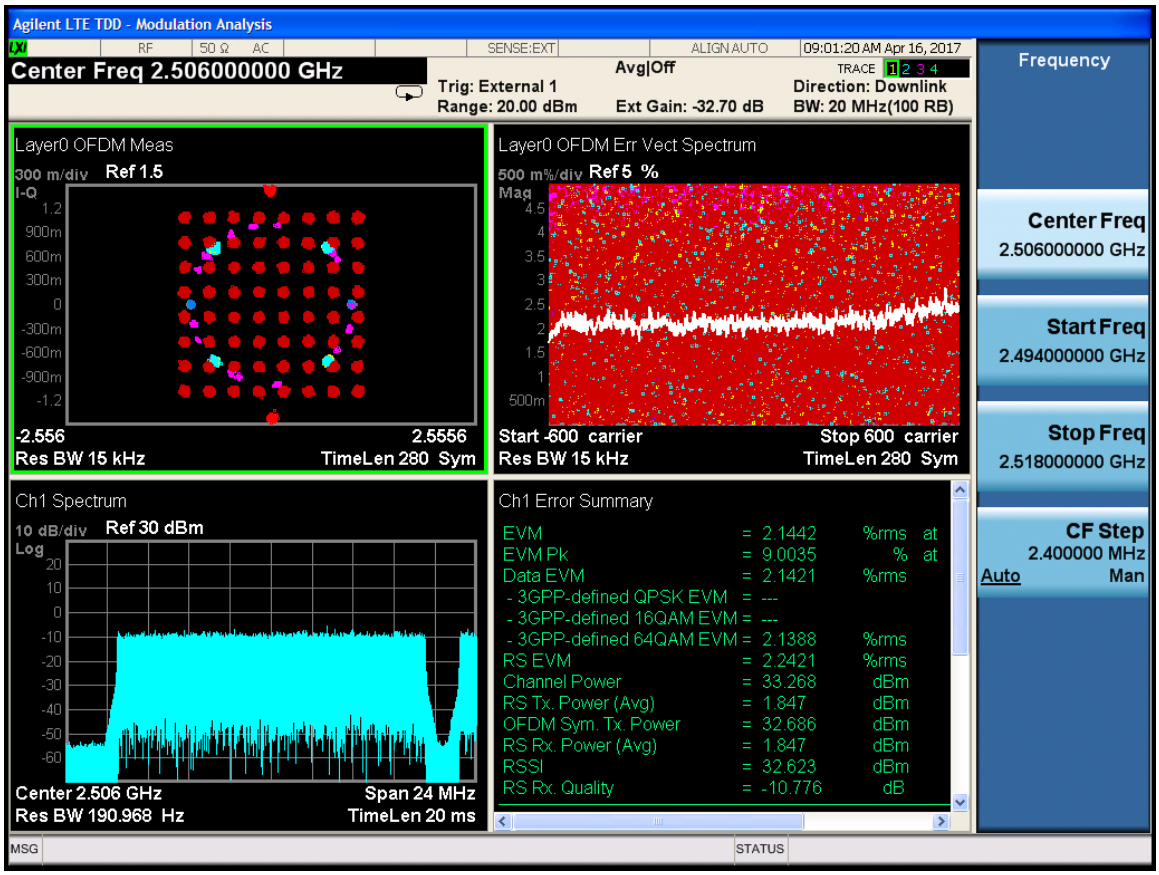
Port	Carrier Freq. c1+c2(MHz)	Occupied Bandwidth(MHz)		
		QPSK	16QAM	64QAM
0	2506	3.69	2.74	2.14
1		3.65	2.75	2.15
0	2526	3.66	2.78	2.13
1		3.67	2.76	2.15
0	2539	3.5	2.59	2.04
1		3.5	2.56	1.96
0	2559	3.51	2.63	1.99
1		3.46	2.6	1.95
0	2572	3.57	2.69	2.05
1		3.58	2.64	2.07
0	2592	3.57	2.73	2.09
1		3.56	2.67	2.06

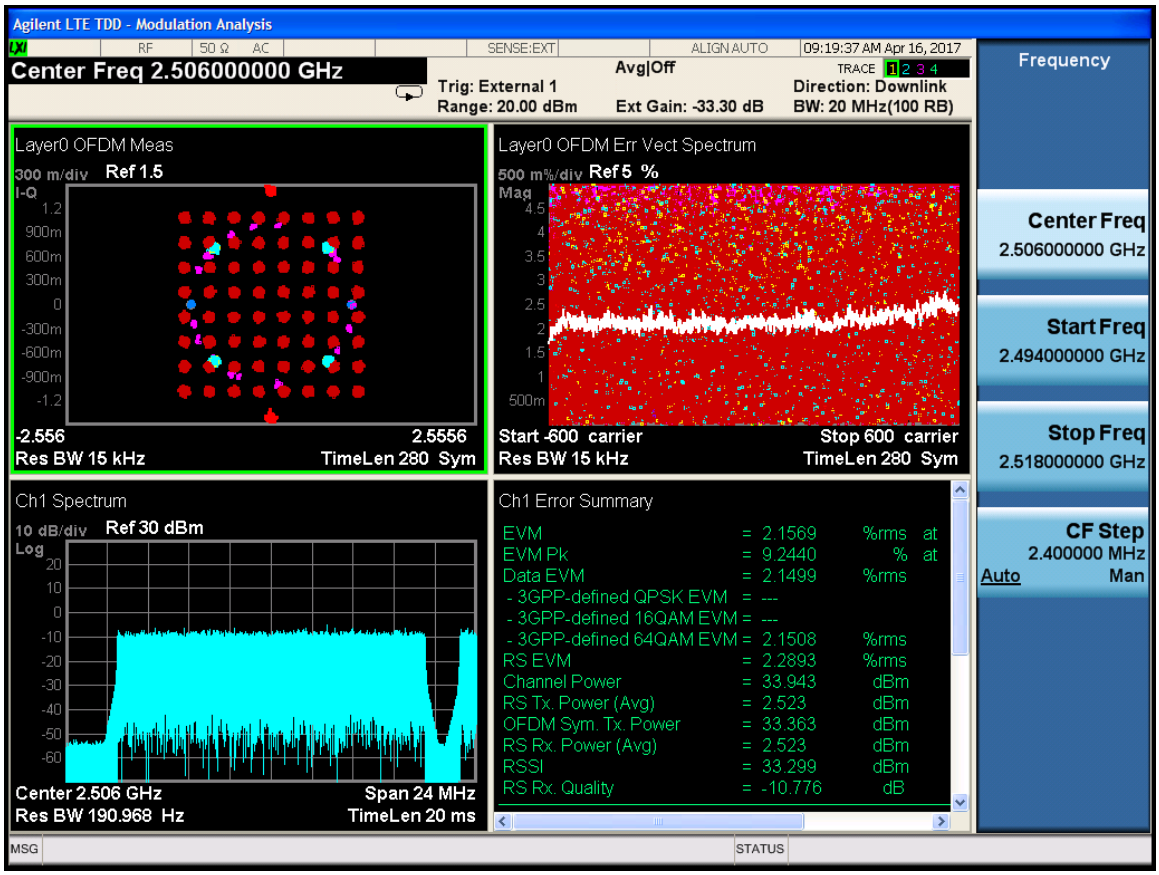

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:09:14 AM Apr 16, 2017
Center Freq 2.506000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.2104 %rms at
EVM Pk = 12.697 % at
Data EVM = 2.1913 %rms
- 3GPP-defined QPSK EVM = 3.6938 %rms
- 3GPP-defined 16QAM EVM = 1.8823 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.3864 %rms
Channel Power = 34.399 dBm
RS Tx. Power (Avg) = 3.032 dBm
OFDM Sym. Tx. Power = 33.872 dBm
RS Rx. Power (Avg) = 3.032 dBm
RSSI = 33.807 dBm
RS Rx. Quality = -10.775 dB
Center Freq
2.506000000 GHz
Start Freq
2.494000000 GHz
Stop Freq
2.518000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

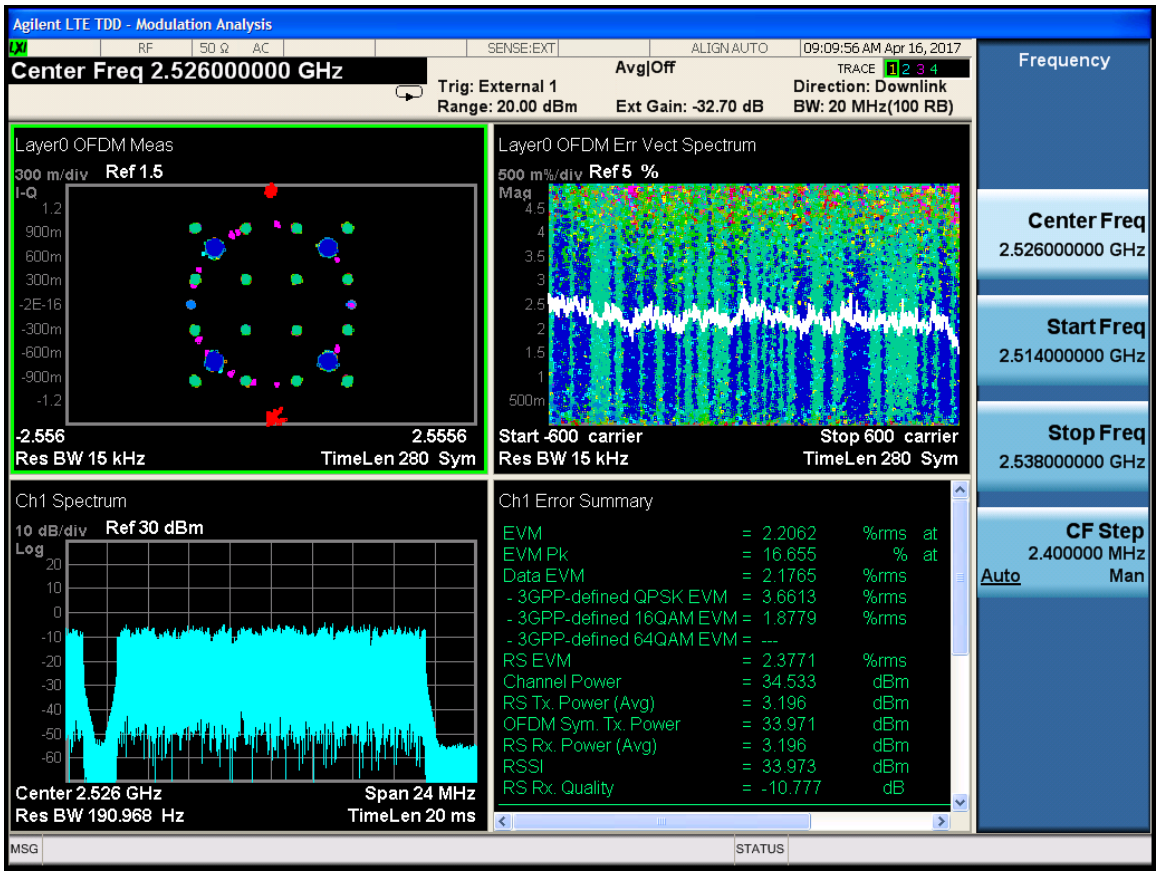

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:12:09 AM Apr 16, 2017
Center Freq 2.506000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: External 1
Range: 20.00 dBm
Ext Gain: -33.30 dB
Direction: Downlink
BW: 20 MHz(100 RB)
Save
State
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Data
(Export)
Trace
Screen
Image
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.1615 %rms at
EVM Pk = 9.6497 % at
Data EVM = 2.1556 %rms
- 3GPP-defined QPSK EVM = 3.6462 %rms
- 3GPP-defined 16QAM EVM = 1.8366 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.2413 %rms
Channel Power = 34.026 dBm
RS Tx. Power (Avg) = 2.661 dBm
OFDM Sym. Tx. Power = 33.498 dBm
RS Rx. Power (Avg) = 2.661 dBm
RSSI = 33.435 dBm
RS Rx. Quality = -10.775 dB
MSG
STATUS

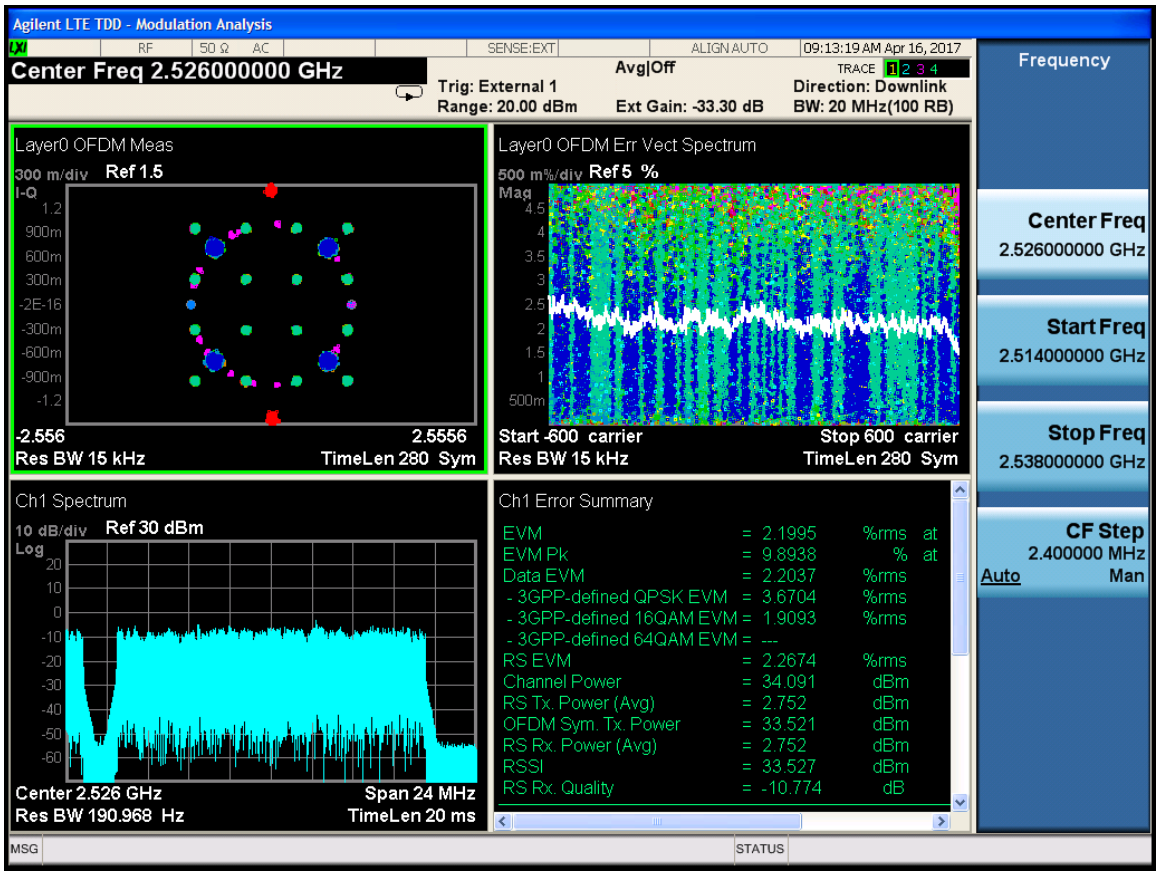

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:05:52 AM Apr 16, 2017
Center Freq 2.506000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.2051 %rms at
EVM Pk = 9.8188 % at
Data EVM = 2.2013 %rms
- 3GPP-defined QPSK EVM = 1.8690 %rms
- 3GPP-defined 16QAM EVM = 2.7437 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.3136 %rms
Channel Power = 33.364 dBm
RS Tx. Power (Avg) = 1.971 dBm
OFDM Sym. Tx. Power = 32.786 dBm
RS Rx. Power (Avg) = 1.971 dBm
RSSI = 32.77 dBm
RS Rx. Quality = -10.799 dB
Center Freq
2.506000000 GHz
Start Freq
2.494000000 GHz
Stop Freq
2.518000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

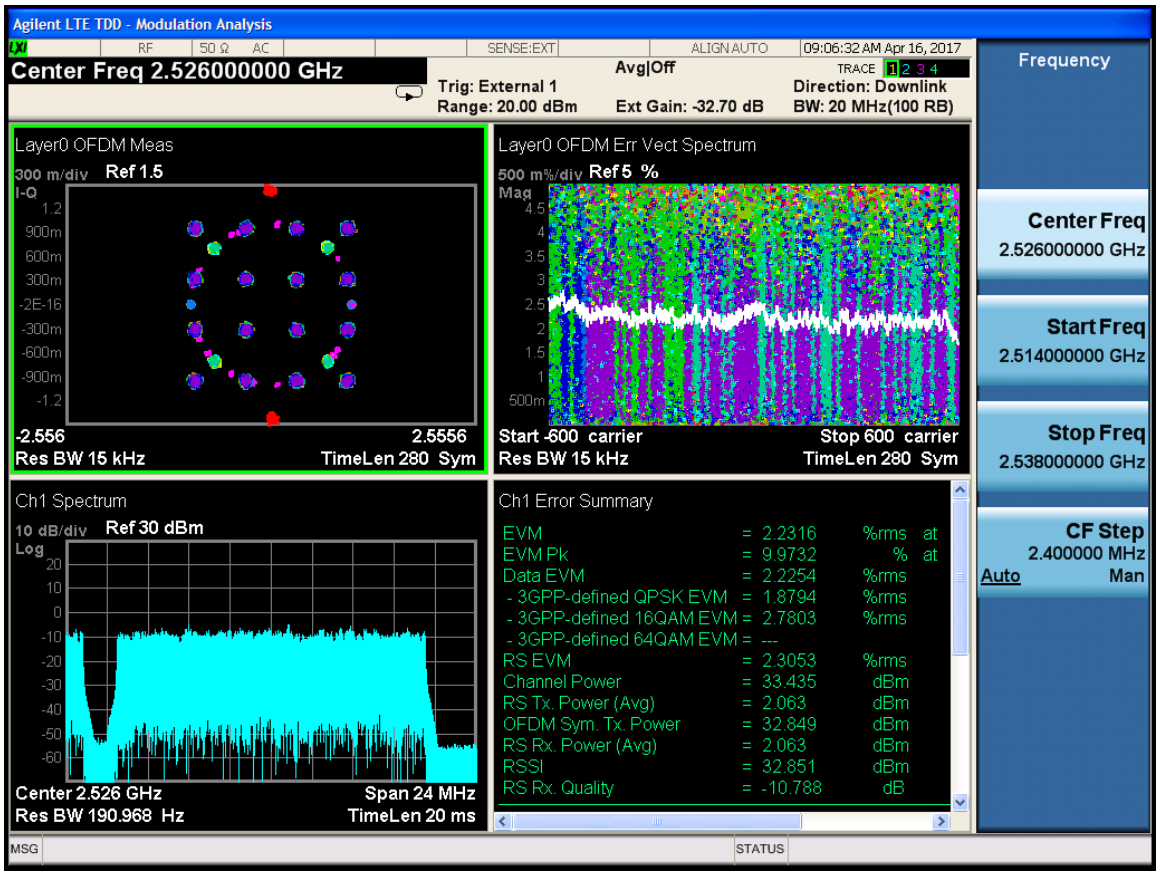

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:15:38 AM Apr 16, 2017
Center Freq 2.506000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.2122 %rms at
EVM Pk = 9.7027 % at
Data EVM = 2.1980 %rms
- 3GPP-defined QPSK EVM = 1.8635 %rms
- 3GPP-defined 16QAM EVM = 2.7456 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.3822 %rms
Channel Power = 33.98 dBm
RS Tx. Power (Avg) = 2.588 dBm
OFDM Sym. Tx. Power = 33.404 dBm
RS Rx. Power (Avg) = 2.588 dBm
RSSI = 33.387 dBm
RS Rx. Quality = -10.799 dB
Center Freq
2.506000000 GHz
Start Freq
2.494000000 GHz
Stop Freq
2.518000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

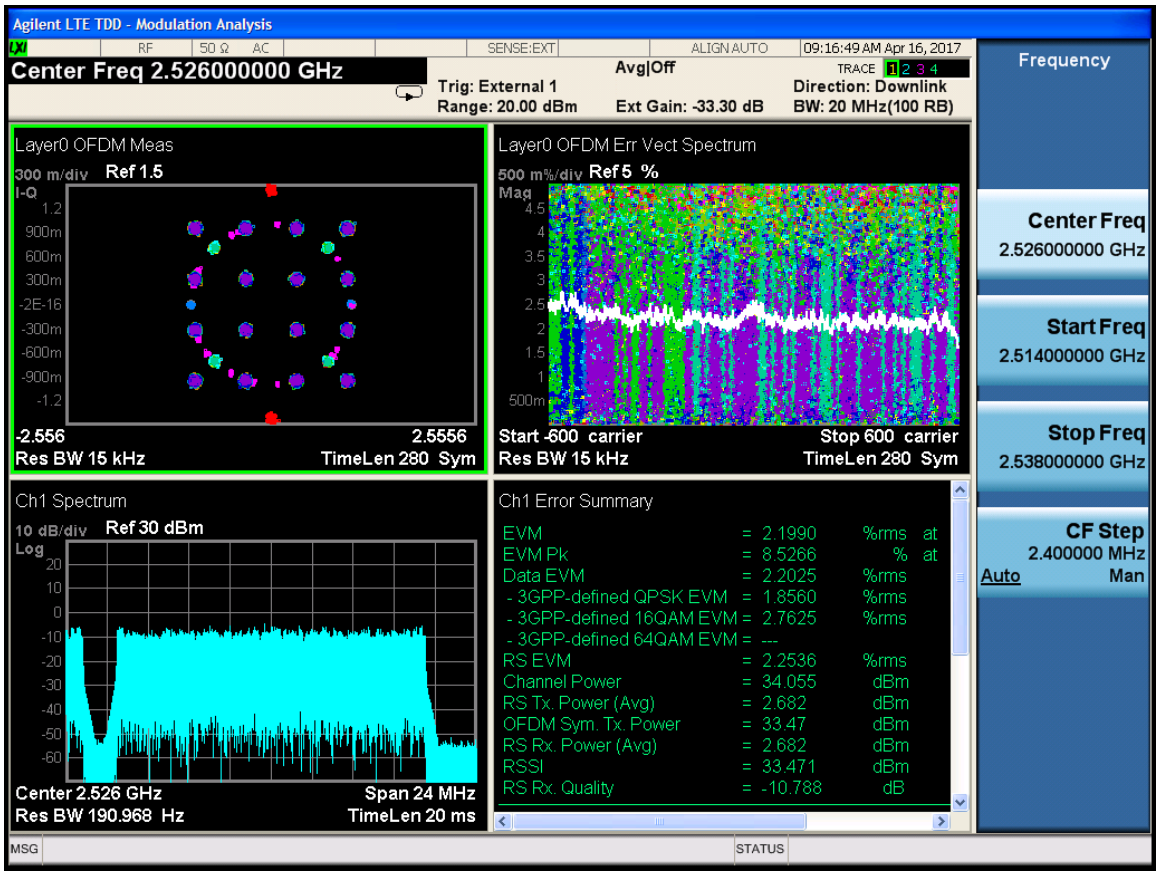

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:01:20 AM Apr 16, 2017
Center Freq 2.506000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.1442 %rms at
EVM Pk = 9.0035 % at
Data EVM = 2.1421 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 2.1388 %rms
RS EVM = 2.2421 %rms
Channel Power = 33.268 dBm
RS Tx. Power (Avg) = 1.847 dBm
OFDM Sym. Tx. Power = 32.686 dBm
RS Rx. Power (Avg) = 1.847 dBm
RSSI = 32.623 dBm
RS Rx. Quality = -10.776 dB
Center Freq
2.506000000 GHz
Start Freq
2.494000000 GHz
Stop Freq
2.518000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

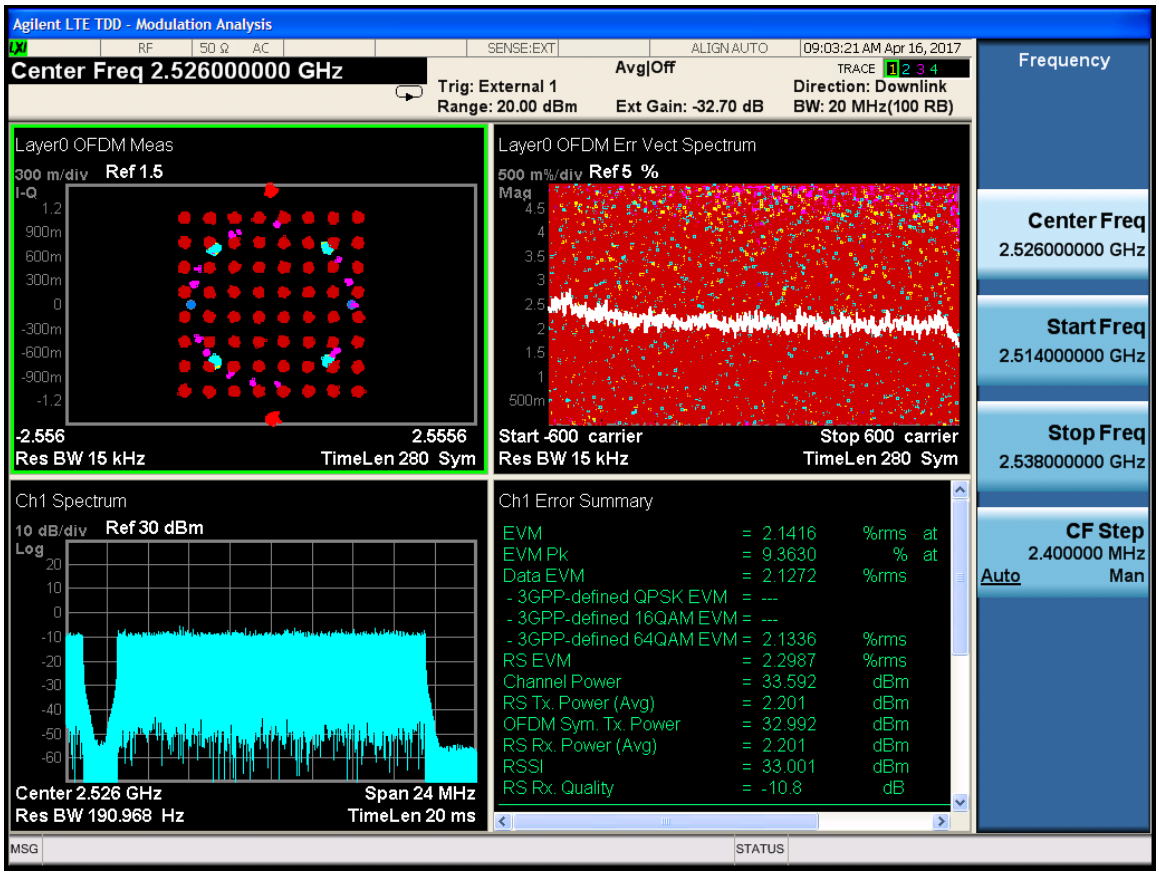

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:19:37 AM Apr 16, 2017
Center Freq 2.506000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.506 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.1569 %rms at
EVM Pk = 9.2440 % at
Data EVM = 2.1499 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 2.1508 %rms
RS EVM = 2.2893 %rms
Channel Power = 33.943 dBm
RS Tx. Power (Avg) = 2.523 dBm
OFDM Sym. Tx. Power = 33.363 dBm
RS Rx. Power (Avg) = 2.523 dBm
RSSI = 33.299 dBm
RS Rx. Quality = -10.776 dB
Center Freq
2.506000000 GHz
Start Freq
2.494000000 GHz
Stop Freq
2.518000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

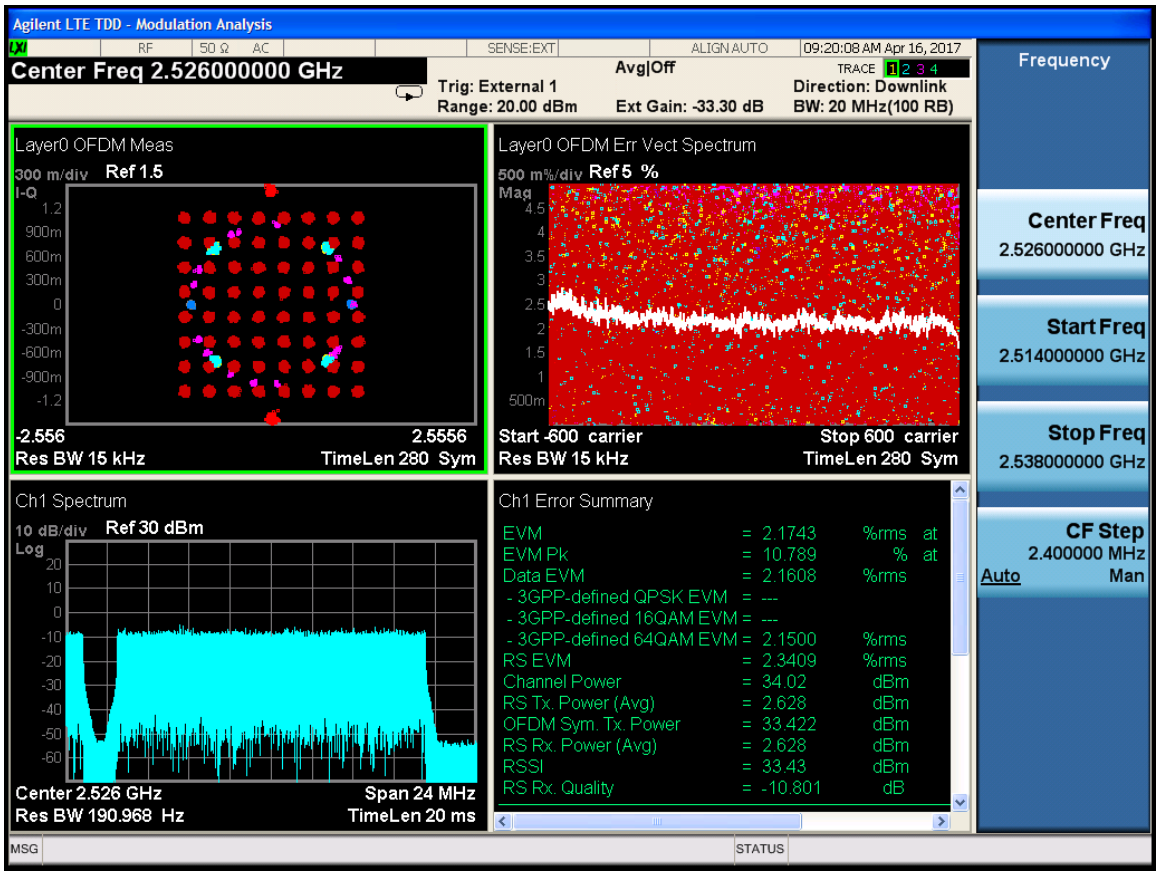

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:09:56 AM Apr 16, 2017
Center Freq 2.526000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.526 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.2062 %rms at
EVM Pk = 16.655 % at
Data EVM = 2.1765 %rms
- 3GPP-defined QPSK EVM = 3.6613 %rms
- 3GPP-defined 16QAM EVM = 1.8779 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.3771 %rms
Channel Power = 34.533 dBm
RS Tx. Power (Avg) = 3.196 dBm
OFDM Sym. Tx. Power = 33.971 dBm
RS Rx. Power (Avg) = 3.196 dBm
RSSI = 33.973 dBm
RS Rx. Quality = -10.777 dB
Center Freq
2.526000000 GHz
Start Freq
2.514000000 GHz
Stop Freq
2.538000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

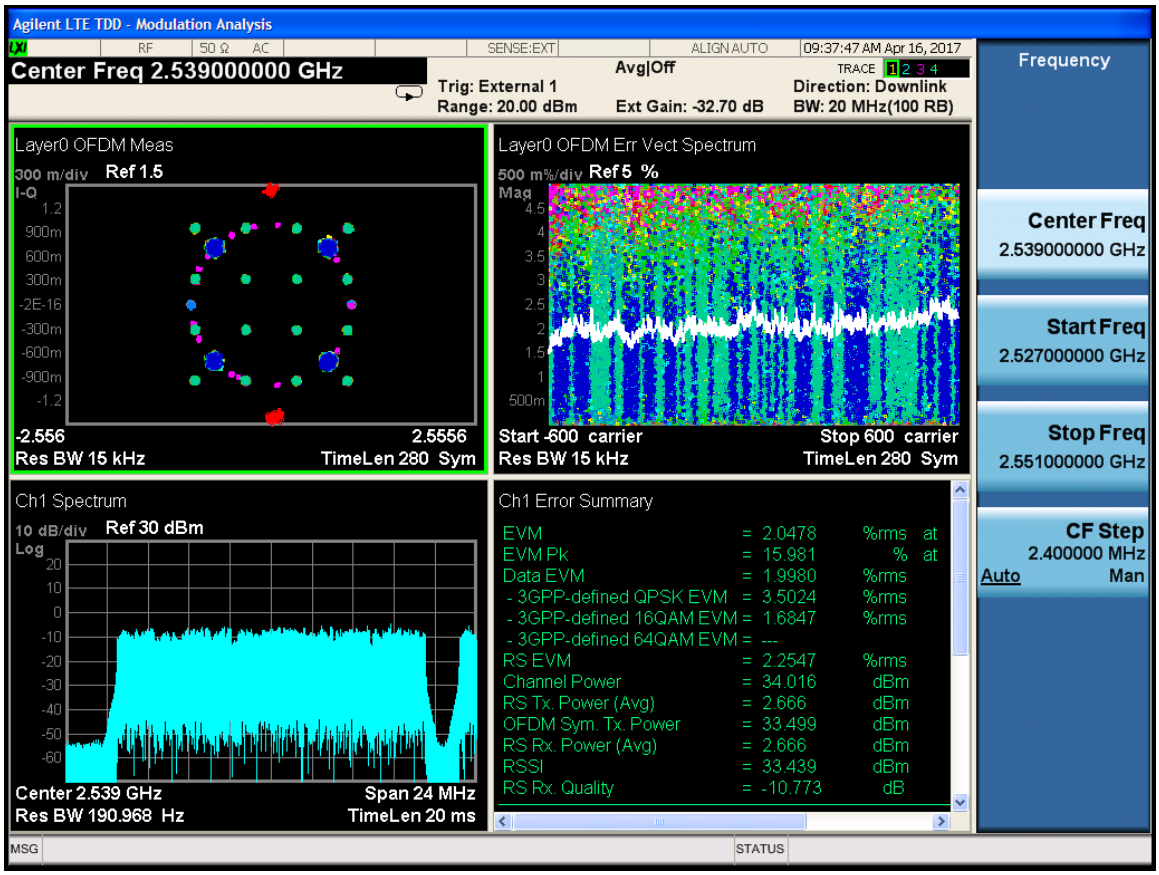

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:13:19 AM Apr 16, 2017
Center Freq 2.526000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.526 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.1995 %rms at
EVM Pk = 9.8938 % at
Data EVM = 2.2037 %rms
- 3GPP-defined QPSK EVM = 3.6704 %rms
- 3GPP-defined 16QAM EVM = 1.9093 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.2674 %rms
Channel Power = 34.091 dBm
RS Tx. Power (Avg) = 2.752 dBm
OFDM Sym. Tx. Power = 33.521 dBm
RS Rx. Power (Avg) = 2.752 dBm
RSSI = 33.527 dBm
RS Rx. Quality = -10.774 dB
Center Freq
2.526000000 GHz
Start Freq
2.514000000 GHz
Stop Freq
2.538000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

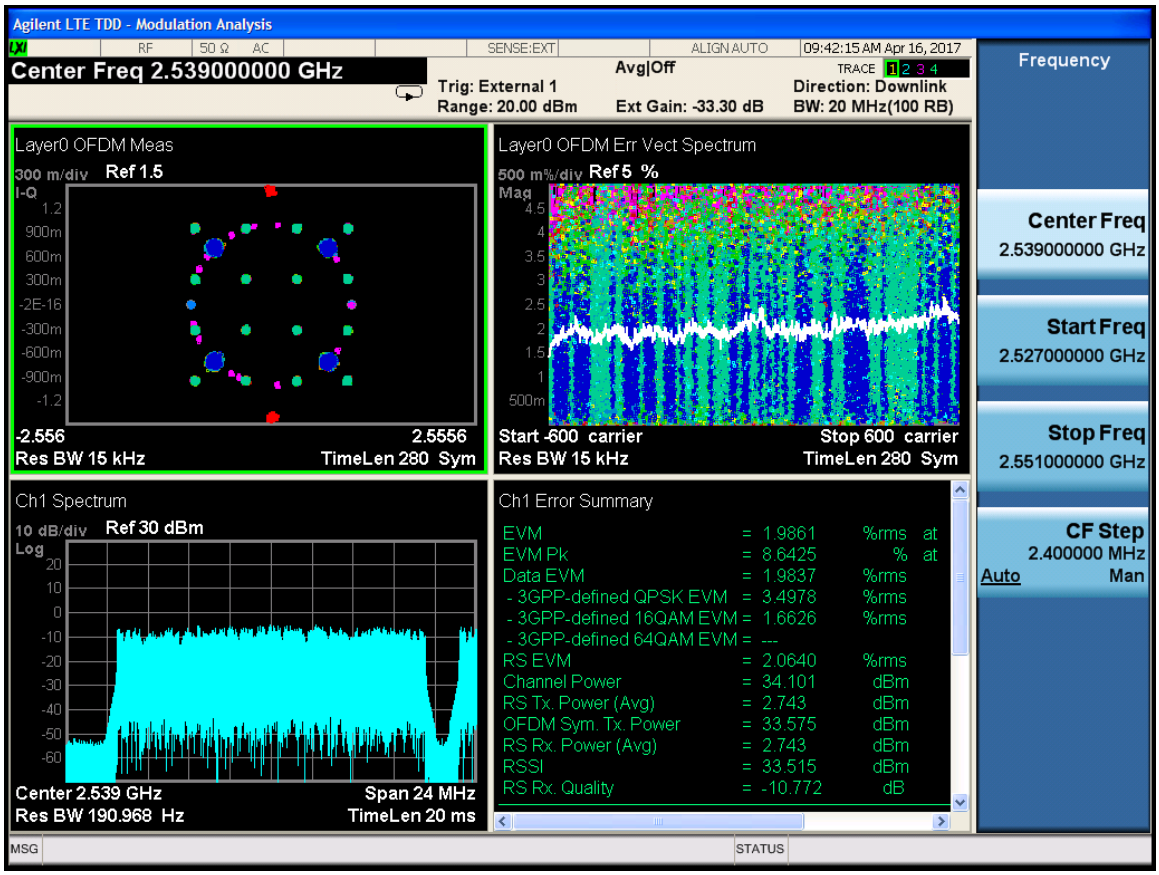

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:06:32 AM Apr 16, 2017
Center Freq 2.526000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.526000000 GHz
Start Freq
2.514000000 GHz
Stop Freq
2.538000000 GHz
CF Step
2.400000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.526 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.2316 %rms at
EVM Pk = 9.9732 % at
Data EVM = 2.2254 %rms
- 3GPP-defined QPSK EVM = 1.8794 %rms
- 3GPP-defined 16QAM EVM = 2.7803 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.3053 %rms
Channel Power = 33.435 dBm
RS Tx. Power (Avg) = 2.063 dBm
OFDM Sym. Tx. Power = 32.849 dBm
RS Rx. Power (Avg) = 2.063 dBm
RSSI = 32.851 dBm
RS Rx. Quality = -10.788 dB
MSG
STATUS

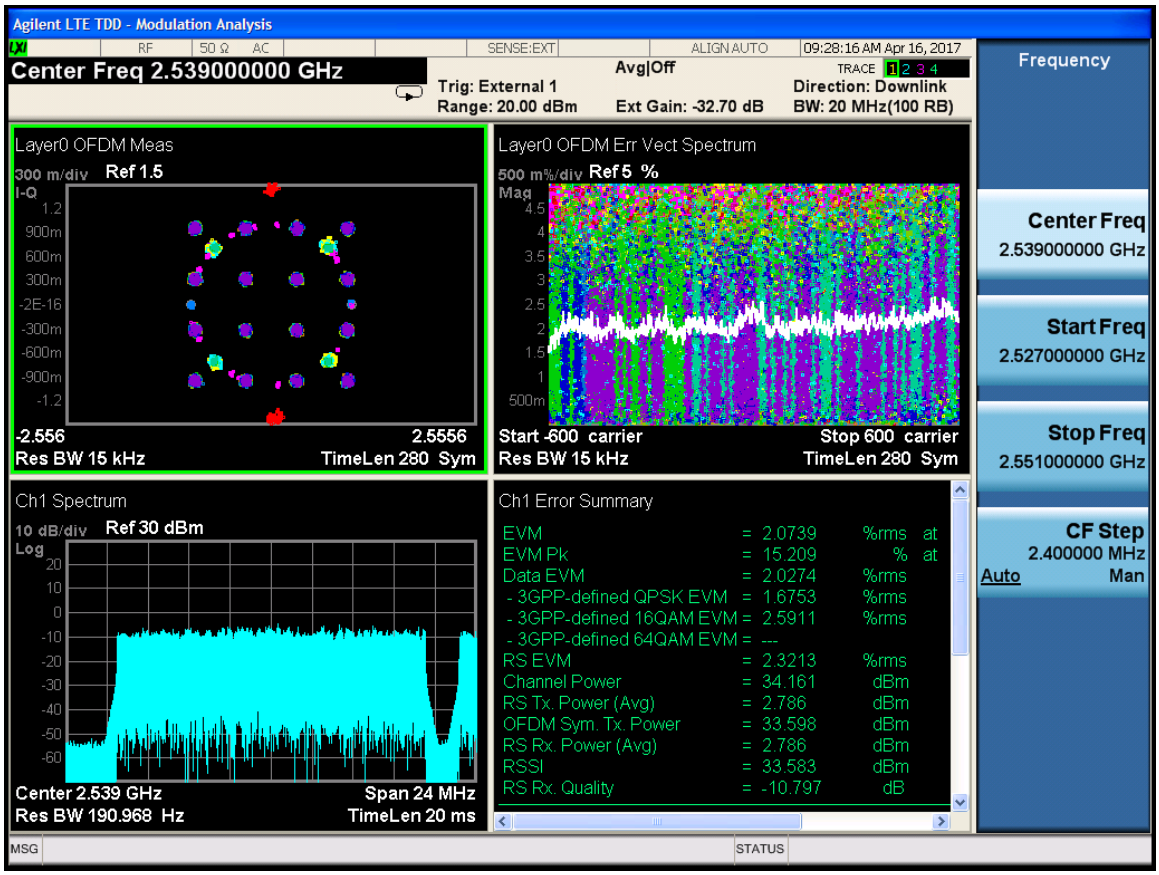

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:16:49 AM Apr 16, 2017
Center Freq 2.526000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.526 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.1990 %rms at
EVM Pk = 8.5266 % at
Data EVM = 2.2025 %rms
- 3GPP-defined QPSK EVM = 1.8560 %rms
- 3GPP-defined 16QAM EVM = 2.7625 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.2536 %rms
Channel Power = 34.055 dBm
RS Tx. Power (Avg) = 2.682 dBm
OFDM Sym. Tx. Power = 33.47 dBm
RS Rx. Power (Avg) = 2.682 dBm
RSSI = 33.471 dBm
RS Rx. Quality = -10.788 dB
Center Freq
2.526000000 GHz
Start Freq
2.514000000 GHz
Stop Freq
2.538000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

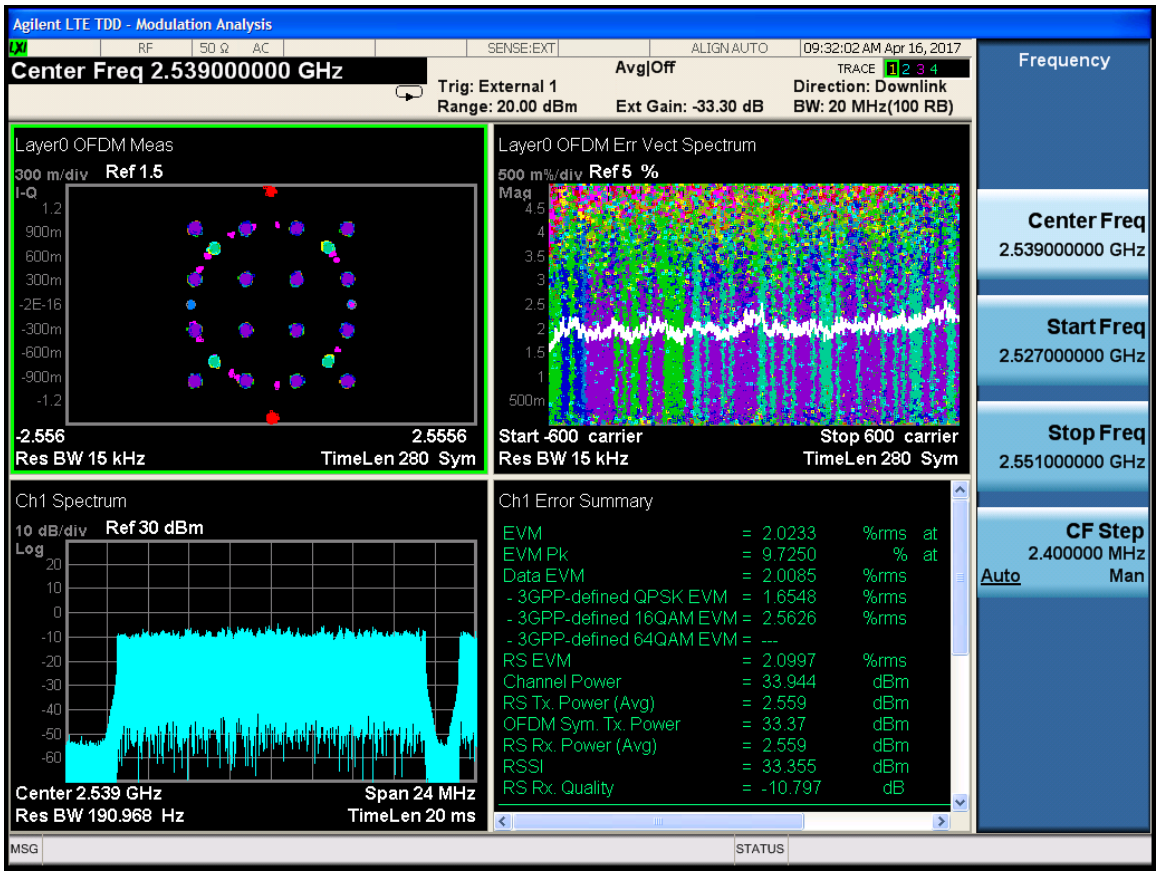

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:03:21 AM Apr 16, 2017
Center Freq 2.526000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.526 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.1416 %rms at
EVM Pk = 9.3630 % at
Data EVM = 2.1272 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 2.1336 %rms
RS EVM = 2.2987 %rms
Channel Power = 33.592 dBm
RS Tx. Power (Avg) = 2.201 dBm
OFDM Sym. Tx. Power = 32.992 dBm
RS Rx. Power (Avg) = 2.201 dBm
RSSI = 33.001 dBm
RS Rx. Quality = -10.8 dB
Center Freq
2.526000000 GHz
Start Freq
2.514000000 GHz
Stop Freq
2.538000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

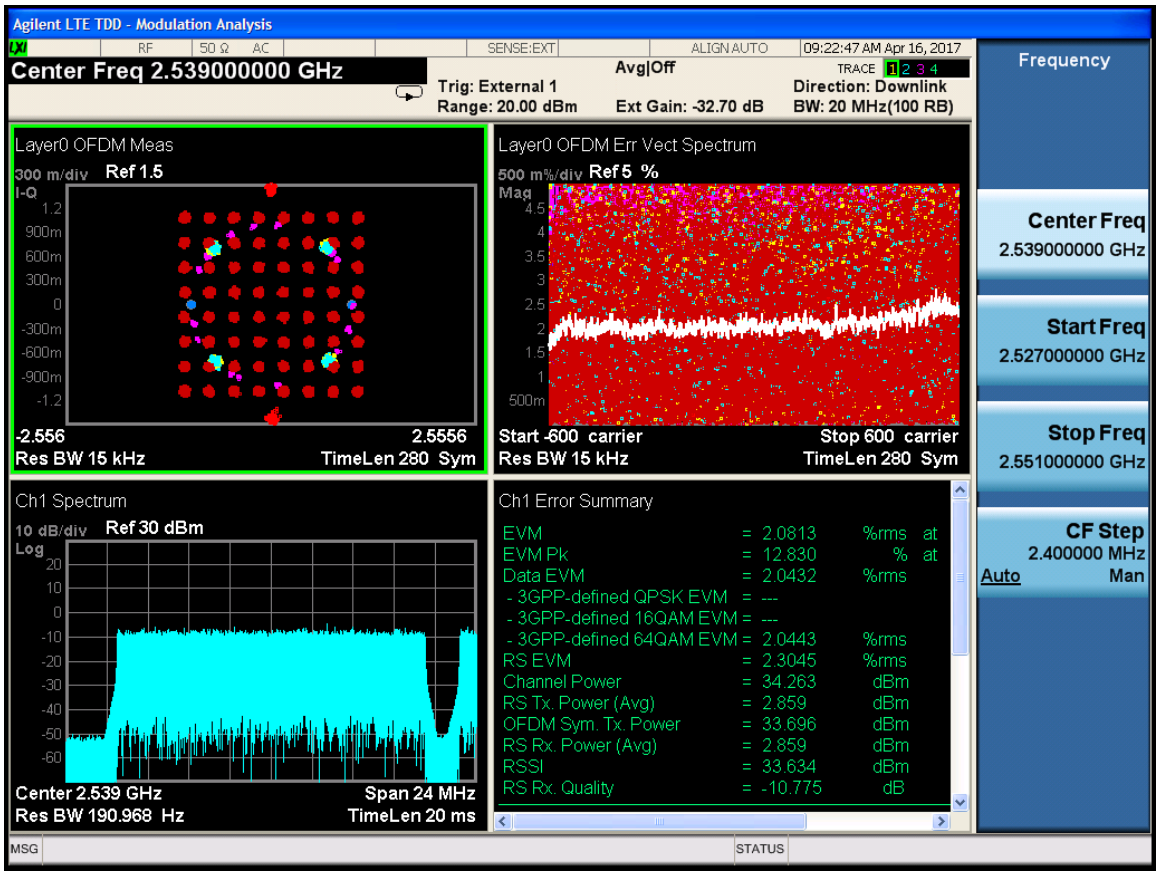

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:20:08 AM Apr 16, 2017
Center Freq 2.526000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.526 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.1743 %rms at
EVM Pk = 10.789 % at
Data EVM = 2.1608 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 2.1500 %rms
RS EVM = 2.3409 %rms
Channel Power = 34.02 dBm
RS Tx. Power (Avg) = 2.628 dBm
OFDM Sym. Tx. Power = 33.422 dBm
RS Rx. Power (Avg) = 2.628 dBm
RSSI = 33.43 dBm
RS Rx. Quality = -10.801 dB
Center Freq
2.526000000 GHz
Start Freq
2.514000000 GHz
Stop Freq
2.538000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

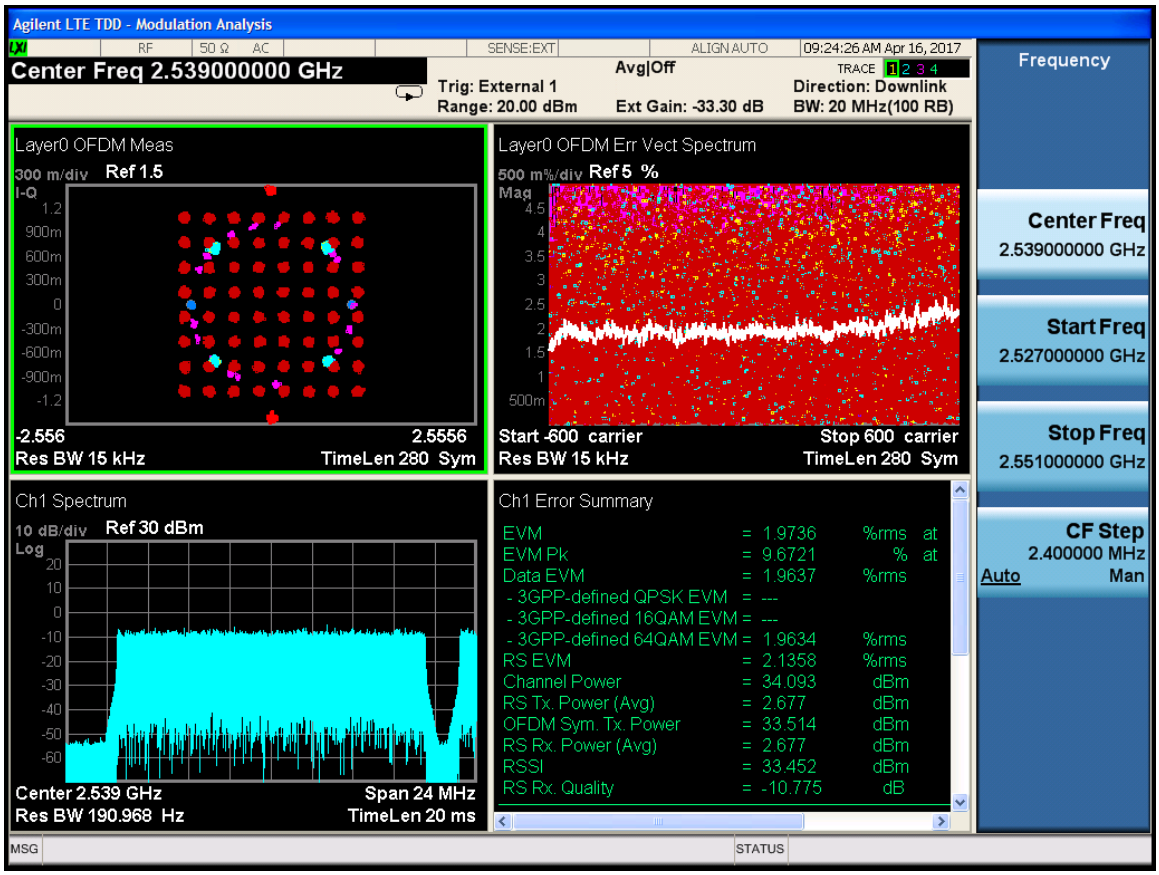

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:37:47 AM Apr 16, 2017
Center Freq 2.539000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.539 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.0478 %rms at
EVM Pk = 15.981 % at
Data EVM = 1.9980 %rms
- 3GPP-defined QPSK EVM = 3.5024 %rms
- 3GPP-defined 16QAM EVM = 1.6847 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.2547 %rms
Channel Power = 34.016 dBm
RS Tx. Power (Avg) = 2.666 dBm
OFDM Sym. Tx. Power = 33.499 dBm
RS Rx. Power (Avg) = 2.666 dBm
RSSI = 33.439 dBm
RS Rx. Quality = -10.773 dB
Center Freq
2.539000000 GHz
Start Freq
2.527000000 GHz
Stop Freq
2.551000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

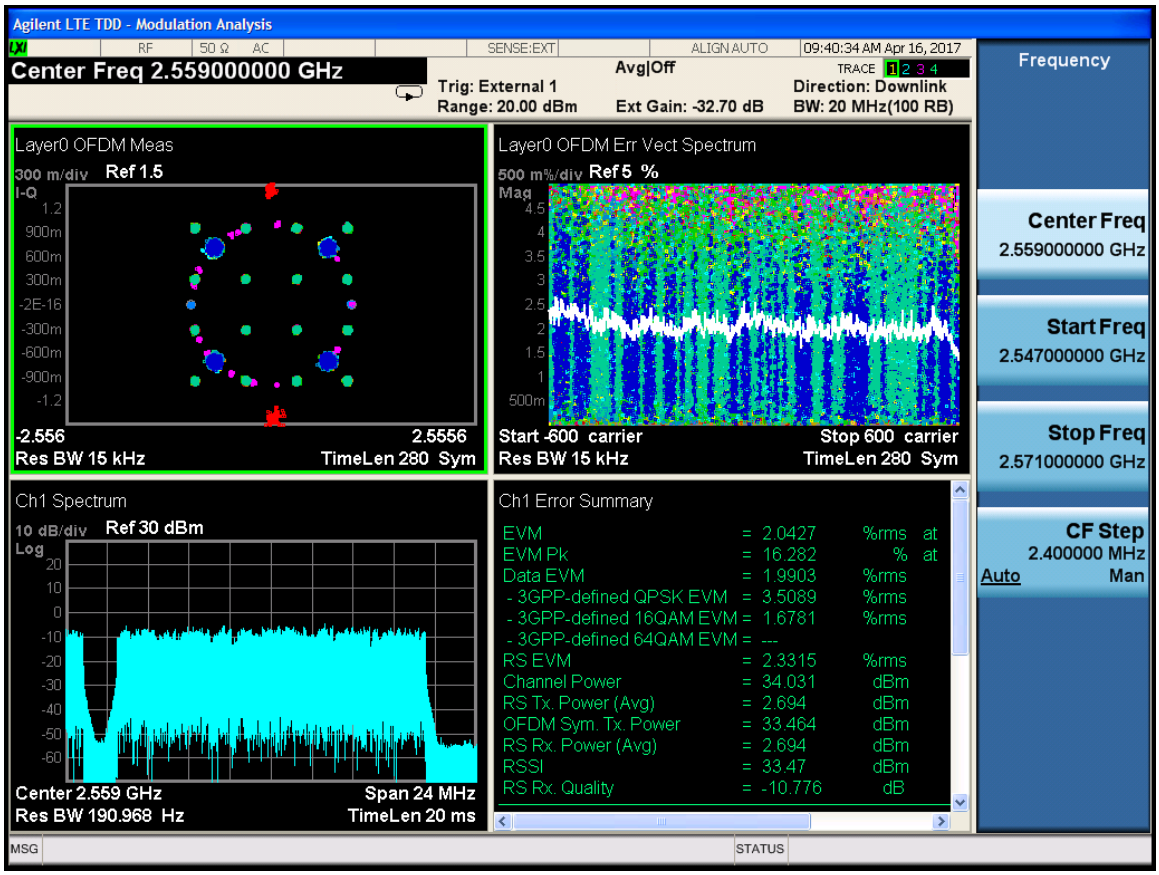

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:42:15 AM Apr 16, 2017
Center Freq 2.539000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.539 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 1.9861 %rms at
EVM Pk = 8.6425 % at
Data EVM = 1.9837 %rms
- 3GPP-defined QPSK EVM = 3.4978 %rms
- 3GPP-defined 16QAM EVM = 1.6626 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.0640 %rms
Channel Power = 34.101 dBm
RS Tx. Power (Avg) = 2.743 dBm
OFDM Sym. Tx. Power = 33.575 dBm
RS Rx. Power (Avg) = 2.743 dBm
RSSI = 33.515 dBm
RS Rx. Quality = -10.772 dB
Center Freq
2.539000000 GHz
Start Freq
2.527000000 GHz
Stop Freq
2.551000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

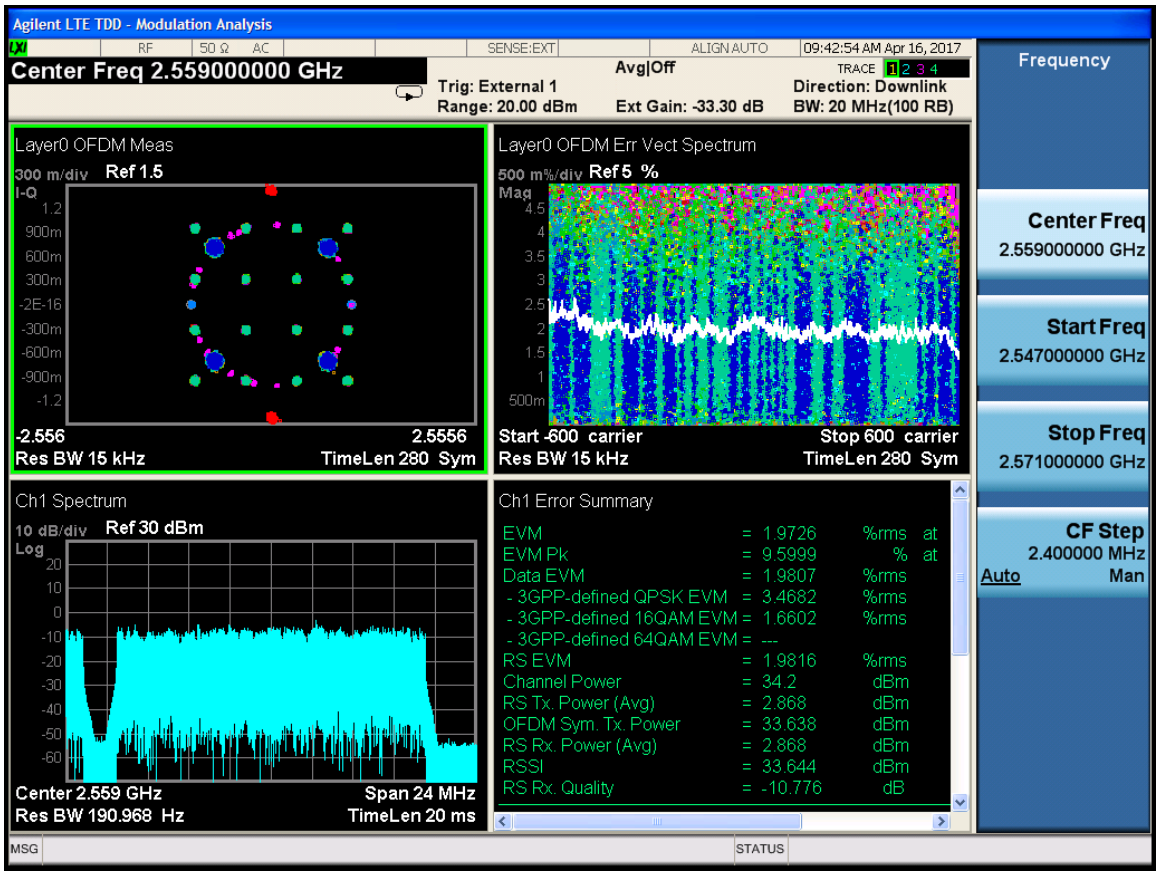

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:28:16 AM Apr 16, 2017
Center Freq 2.539000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.539 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.0739 %rms at
EVM Pk = 15.209 % at
Data EVM = 2.0274 %rms
- 3GPP-defined QPSK EVM = 1.6753 %rms
- 3GPP-defined 16QAM EVM = 2.5911 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.3213 %rms
Channel Power = 34.161 dBm
RS Tx. Power (Avg) = 2.786 dBm
OFDM Sym. Tx. Power = 33.598 dBm
RS Rx. Power (Avg) = 2.786 dBm
RSSI = 33.583 dBm
RS Rx. Quality = -10.797 dB
Center Freq
2.539000000 GHz
Start Freq
2.527000000 GHz
Stop Freq
2.551000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

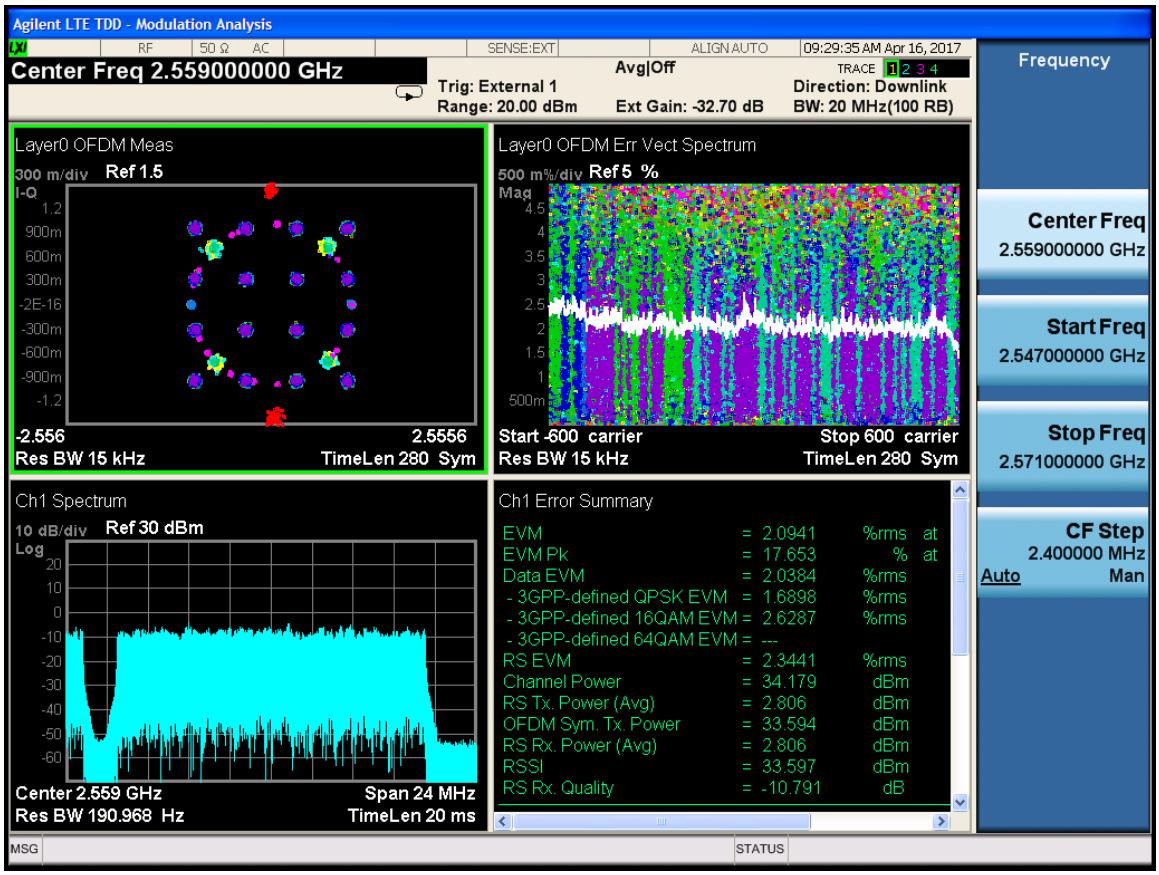

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:32:02 AM Apr 16, 2017
Center Freq 2.539000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.539 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.0233 %rms at
EVM Pk = 9.7250 % at
Data EVM = 2.0085 %rms
- 3GPP-defined QPSK EVM = 1.6548 %rms
- 3GPP-defined 16QAM EVM = 2.5626 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.0997 %rms
Channel Power = 33.944 dBm
RS Tx. Power (Avg) = 2.559 dBm
OFDM Sym. Tx. Power = 33.37 dBm
RS Rx. Power (Avg) = 2.559 dBm
RSSI = 33.355 dBm
RS Rx. Quality = -10.797 dB
Center Freq
2.539000000 GHz
Start Freq
2.527000000 GHz
Stop Freq
2.551000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

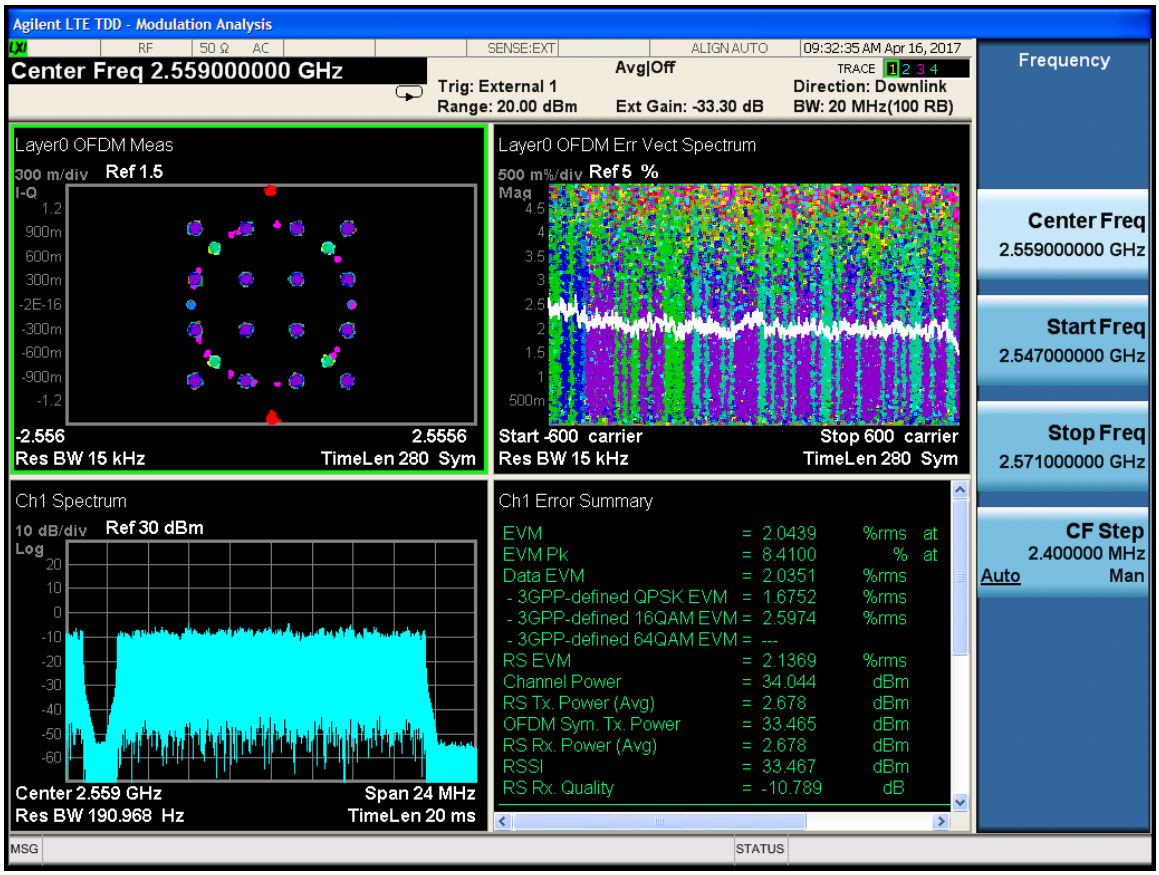

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:22:47 AM Apr 16, 2017
Center Freq 2.539000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.539 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.0813 %rms at
EVM Pk = 12.830 % at
Data EVM = 2.0432 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 2.0443 %rms
RS EVM = 2.3045 %rms
Channel Power = 34.263 dBm
RS Tx. Power (Avg) = 2.859 dBm
OFDM Sym. Tx. Power = 33.696 dBm
RS Rx. Power (Avg) = 2.859 dBm
RSSI = 33.634 dBm
RS Rx. Quality = -10.775 dB
Center Freq
2.539000000 GHz
Start Freq
2.527000000 GHz
Stop Freq
2.551000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

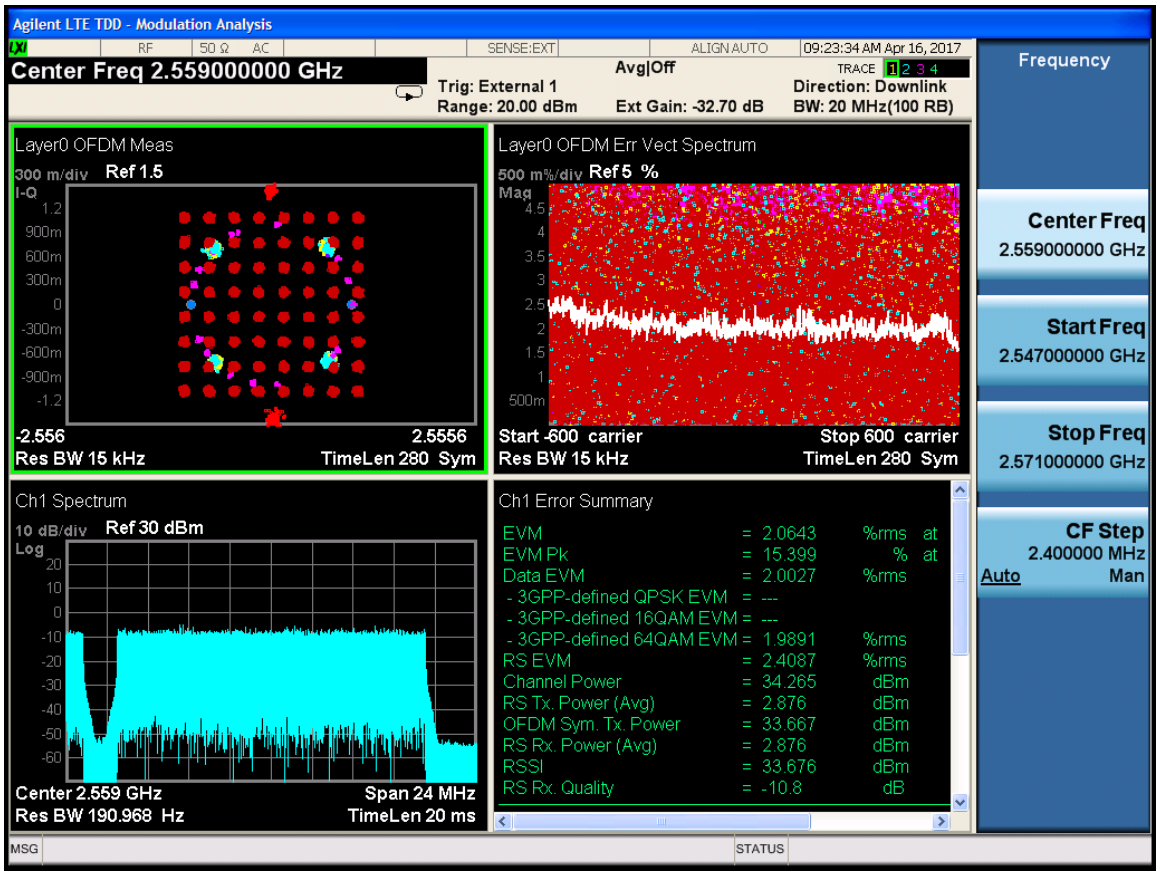

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:24:26 AM Apr 16, 2017
Center Freq 2.539000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.539 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 1.9736 %rms at
EVM Pk = 9.6721 % at
Data EVM = 1.9637 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 1.9634 %rms
RS EVM = 2.1358 %rms
Channel Power = 34.093 dBm
RS Tx. Power (Avg) = 2.677 dBm
OFDM Sym. Tx. Power = 33.514 dBm
RS Rx. Power (Avg) = 2.677 dBm
RSSI = 33.452 dBm
RS Rx. Quality = -10.775 dB
Center Freq
2.539000000 GHz
Start Freq
2.527000000 GHz
Stop Freq
2.551000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

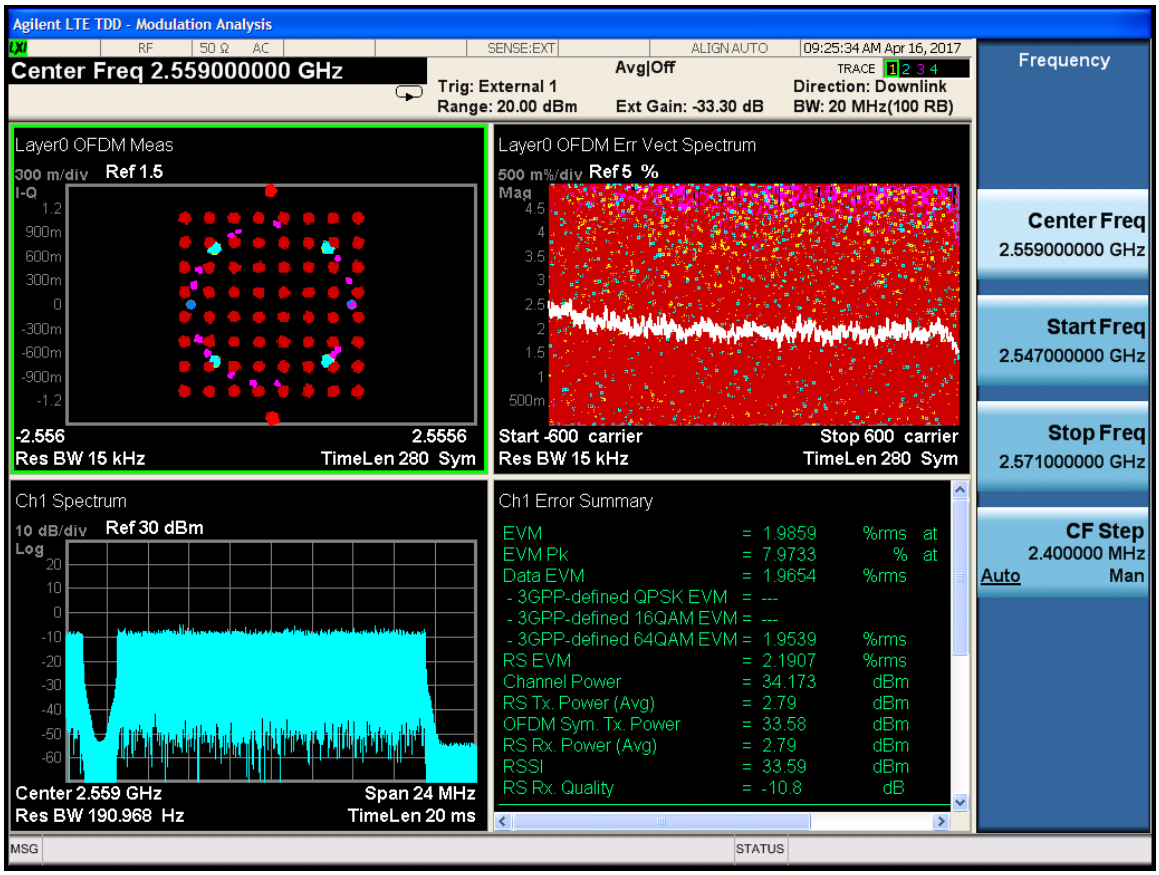

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:40:34 AM Apr 16, 2017
Center Freq 2.559000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.559 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.0427 %rms at
EVM Pk = 16.282 % at
Data EVM = 1.9903 %rms
- 3GPP-defined QPSK EVM = 3.5089 %rms
- 3GPP-defined 16QAM EVM = 1.6781 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.3315 %rms
Channel Power = 34.031 dBm
RS Tx. Power (Avg) = 2.694 dBm
OFDM Sym. Tx. Power = 33.464 dBm
RS Rx. Power (Avg) = 2.694 dBm
RSSI = 33.47 dBm
RS Rx. Quality = -10.776 dB
Center Freq
2.559000000 GHz
Start Freq
2.547000000 GHz
Stop Freq
2.571000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS

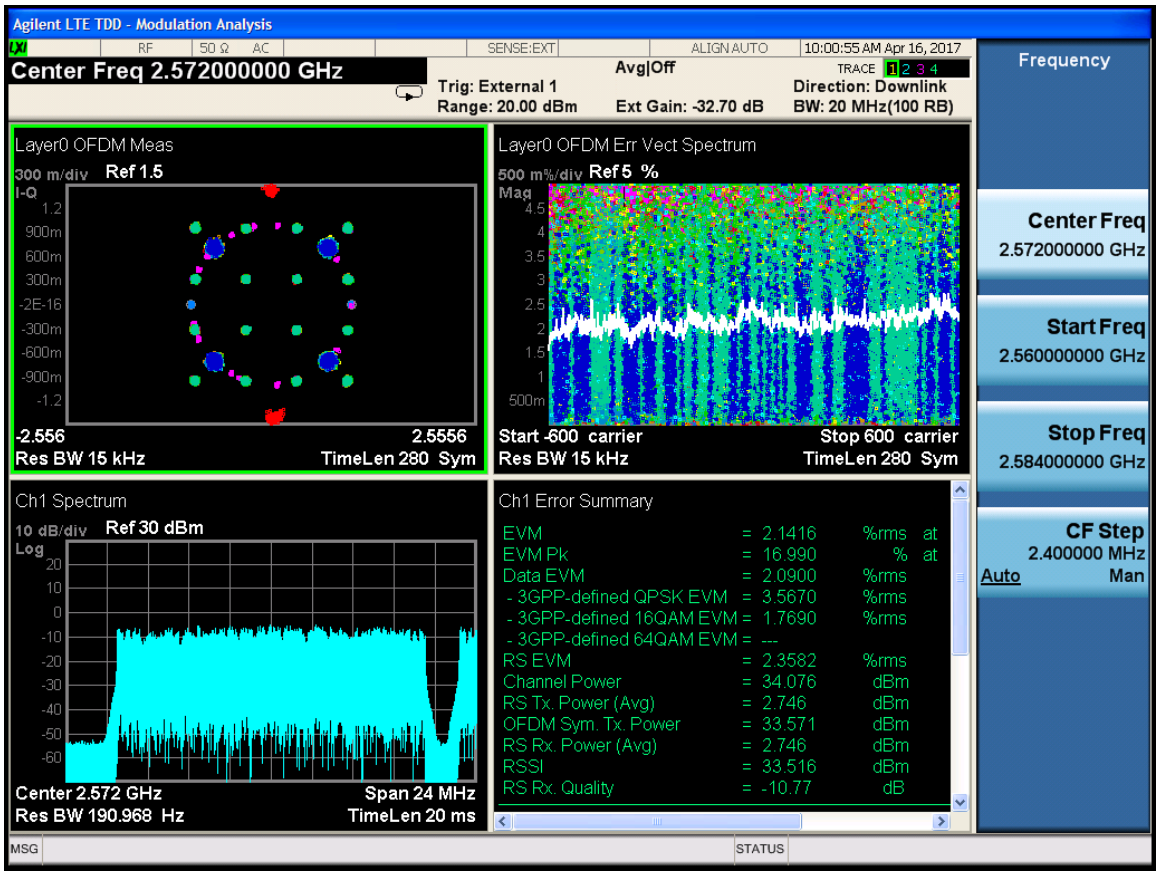

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:42:54 AM Apr 16, 2017
Center Freq 2.559000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.559000000 GHz
Start Freq
2.547000000 GHz
Stop Freq
2.571000000 GHz
CF Step
2.400000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.559 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 1.9726 %rms at
EVM Pk = 9.5999 % at
Data EVM = 1.9807 %rms
- 3GPP-defined QPSK EVM = 3.4682 %rms
- 3GPP-defined 16QAM EVM = 1.6602 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 1.9816 %rms
Channel Power = 34.2 dBm
RS Tx. Power (Avg) = 2.868 dBm
OFDM Sym. Tx. Power = 33.638 dBm
RS Rx. Power (Avg) = 2.868 dBm
RSSI = 33.644 dBm
RS Rx. Quality = -10.776 dB
MSG
STATUS

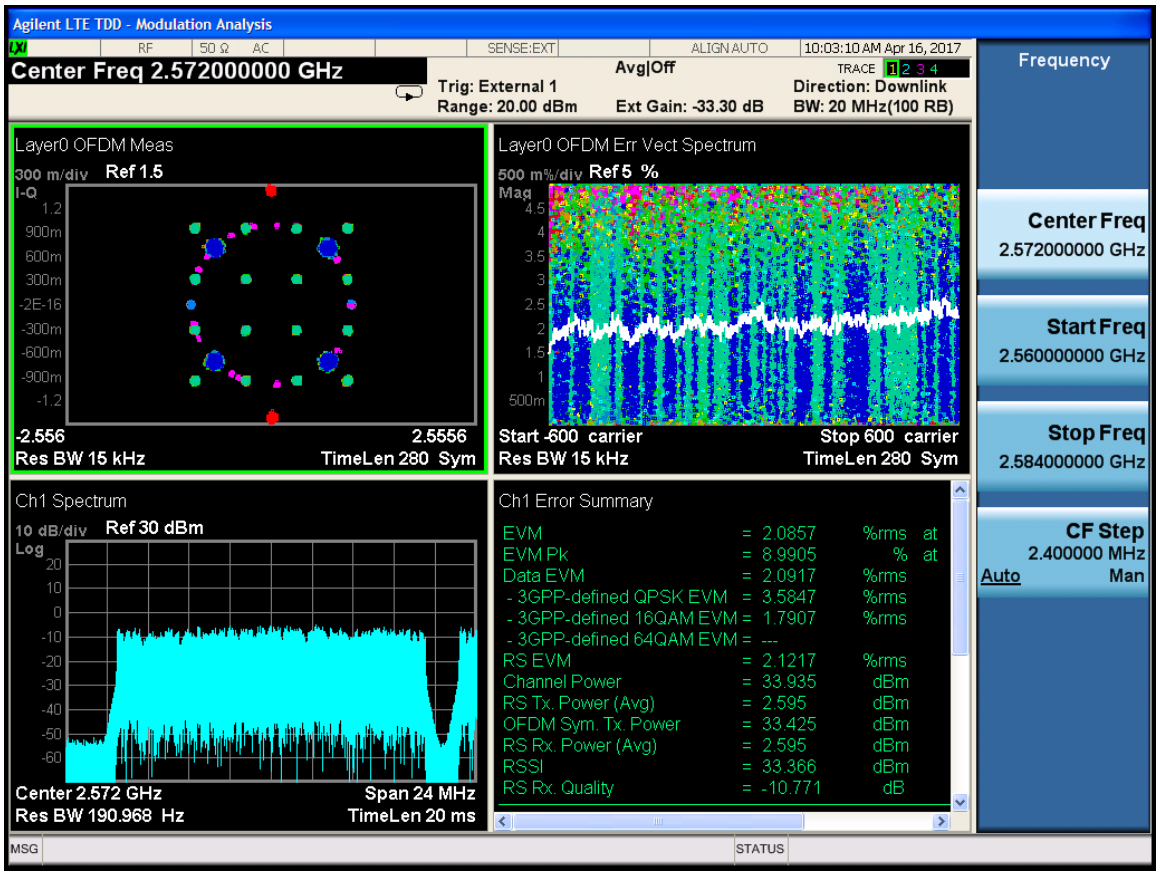

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:29:35 AM Apr 16, 2017
Center Freq 2.559000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.559000000 GHz
Start Freq
2.547000000 GHz
Stop Freq
2.571000000 GHz
CF Step
2.400000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.559 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.0941 %rms at
EVM Pk = 17.653 % at
Data EVM = 2.0384 %rms
- 3GPP-defined QPSK EVM = 1.6898 %rms
- 3GPP-defined 16QAM EVM = 2.6287 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.3441 %rms
Channel Power = 34.179 dBm
RS Tx. Power (Avg) = 2.806 dBm
OFDM Sym. Tx. Power = 33.594 dBm
RS Rx. Power (Avg) = 2.806 dBm
RSSI = 33.597 dBm
RS Rx. Quality = -10.791 dB
MSG
STATUS

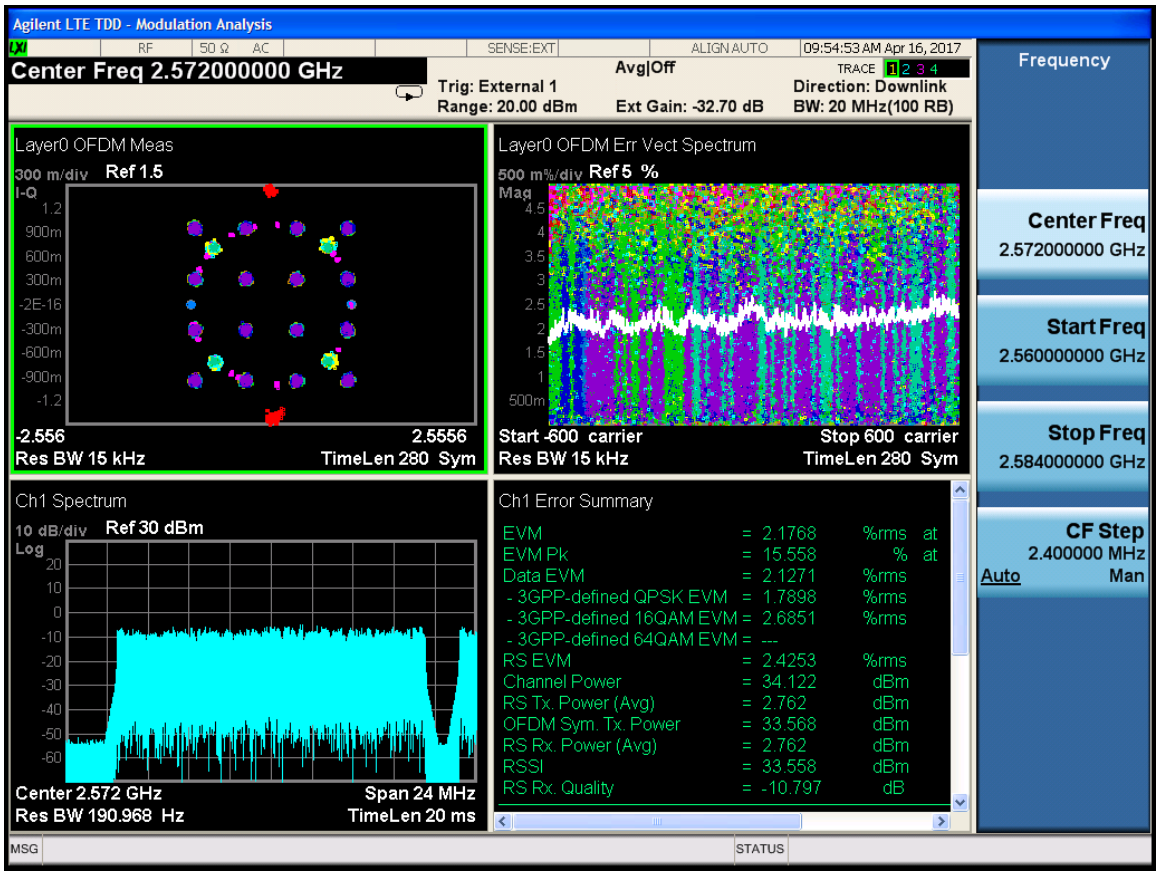

Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:32:35 AM Apr 16, 2017
Center Freq 2.559000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.559 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.0439 %rms at
EVM Pk = 8.4100 % at
Data EVM = 2.0351 %rms
- 3GPP-defined QPSK EVM = 1.6752 %rms
- 3GPP-defined 16QAM EVM = 2.5974 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.1369 %rms
Channel Power = 34.044 dBm
RS Tx. Power (Avg) = 2.678 dBm
OFDM Sym. Tx. Power = 33.465 dBm
RS Rx. Power (Avg) = 2.678 dBm
RSSI = 33.467 dBm
RS Rx. Quality = -10.789 dB
Center Freq
2.559000000 GHz
Start Freq
2.547000000 GHz
Stop Freq
2.571000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:23:34 AM Apr 16, 2017
Center Freq 2.559000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.559000000 GHz
Start Freq
2.547000000 GHz
Stop Freq
2.571000000 GHz
CF Step
2.400000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.559 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.0643 %rms at
EVM Pk = 15.399 % at
Data EVM = 2.0027 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 1.9891 %rms
RS EVM = 2.4087 %rms
Channel Power = 34.265 dBm
RS Tx. Power (Avg) = 2.876 dBm
OFDM Sym. Tx. Power = 33.667 dBm
RS Rx. Power (Avg) = 2.876 dBm
RSSI = 33.676 dBm
RS Rx. Quality = -10.8 dB
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
09:25:34 AM Apr 16, 2017
Center Freq 2.559000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
0
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.559 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 1.9859 %rms at
EVM Pk = 7.9733 % at
Data EVM = 1.9654 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 1.9539 %rms
RS EVM = 2.1907 %rms
Channel Power = 34.173 dBm
RS Tx. Power (Avg) = 2.79 dBm
OFDM Sym. Tx. Power = 33.58 dBm
RS Rx. Power (Avg) = 2.79 dBm
RSSI = 33.59 dBm
RS Rx. Quality = -10.8 dB
Center Freq
2.559000000 GHz
Start Freq
2.547000000 GHz
Stop Freq
2.571000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
10:00:55 AM Apr 16, 2017
Center Freq 2.572000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.572 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.1416 %rms at
EVM Pk = 16.990 % at
Data EVM = 2.0900 %rms
- 3GPP-defined QPSK EVM = 3.5670 %rms
- 3GPP-defined 16QAM EVM = 1.7690 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.3582 %rms
Channel Power = 34.076 dBm
RS Tx. Power (Avg) = 2.746 dBm
OFDM Sym. Tx. Power = 33.571 dBm
RS Rx. Power (Avg) = 2.746 dBm
RSSI = 33.516 dBm
RS Rx. Quality = -10.77 dB
Center Freq
2.572000000 GHz
Start Freq
2.560000000 GHz
Stop Freq
2.584000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF
50 Ω AC
SENSE:EXT
ALIGN AUTO
10:03:10 AM Apr 16, 2017
Center Freq 2.572000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -33.30 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.572 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.0857 %rms at
EVM Pk = 8.9905 % at
Data EVM = 2.0917 %rms
- 3GPP-defined QPSK EVM = 3.5847 %rms
- 3GPP-defined 16QAM EVM = 1.7907 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.1217 %rms
Channel Power = 33.935 dBm
RS Tx. Power (Avg) = 2.595 dBm
OFDM Sym. Tx. Power = 33.425 dBm
RS Rx. Power (Avg) = 2.595 dBm
RSSI = 33.366 dBm
RS Rx. Quality = -10.771 dB
Center Freq
2.572000000 GHz
Start Freq
2.560000000 GHz
Stop Freq
2.584000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
09:54:53 AM Apr 16, 2017
Center Freq 2.572000000 GHz
Trig: External 1
Range: 20.00 dBm
Avg|Off
Ext Gain: -32.70 dB
TRACE 1 2 3 4
Direction: Downlink
BW: 20 MHz(100 RB)
Layer0 OFDM Meas
300 m/div Ref 1.5
I-Q
1.2
900m
600m
300m
-2E-16
-300m
-600m
-900m
-1.2
-2.556
2.5556
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 5 %
Mag
4.5
4
3.5
3
2.5
2
1.5
1
500m
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Ch1 Spectrum
10 dB/div Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.572 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 2.1768 %rms at
EVM Pk = 15.558 % at
Data EVM = 2.1271 %rms
- 3GPP-defined QPSK EVM = 1.7898 %rms
- 3GPP-defined 16QAM EVM = 2.6851 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 2.4253 %rms
Channel Power = 34.122 dBm
RS Tx. Power (Avg) = 2.762 dBm
OFDM Sym. Tx. Power = 33.568 dBm
RS Rx. Power (Avg) = 2.762 dBm
RSSI = 33.558 dBm
RS Rx. Quality = -10.797 dB
Frequency
Center Freq
2.572000000 GHz
Start Freq
2.560000000 GHz
Stop Freq
2.584000000 GHz
CF Step
2.400000 MHz
Auto
Man
MSG
STATUS