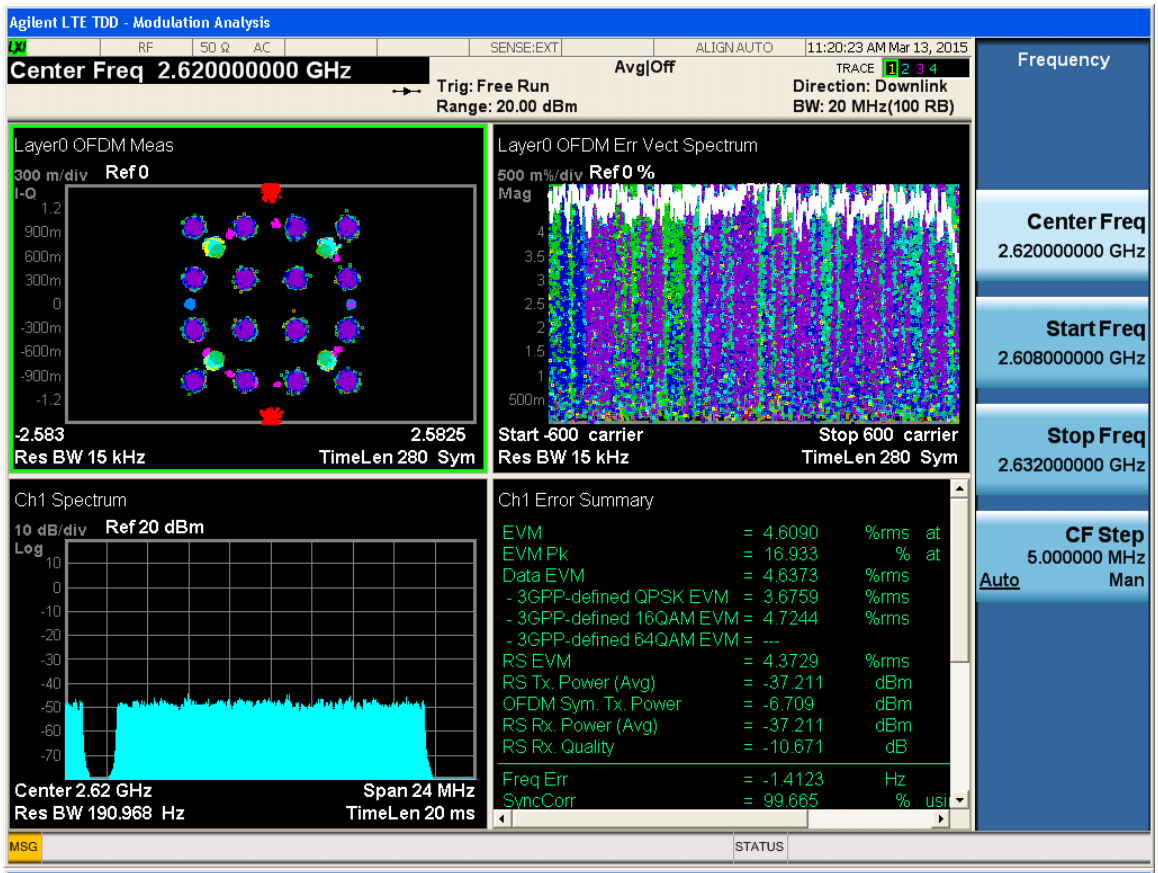
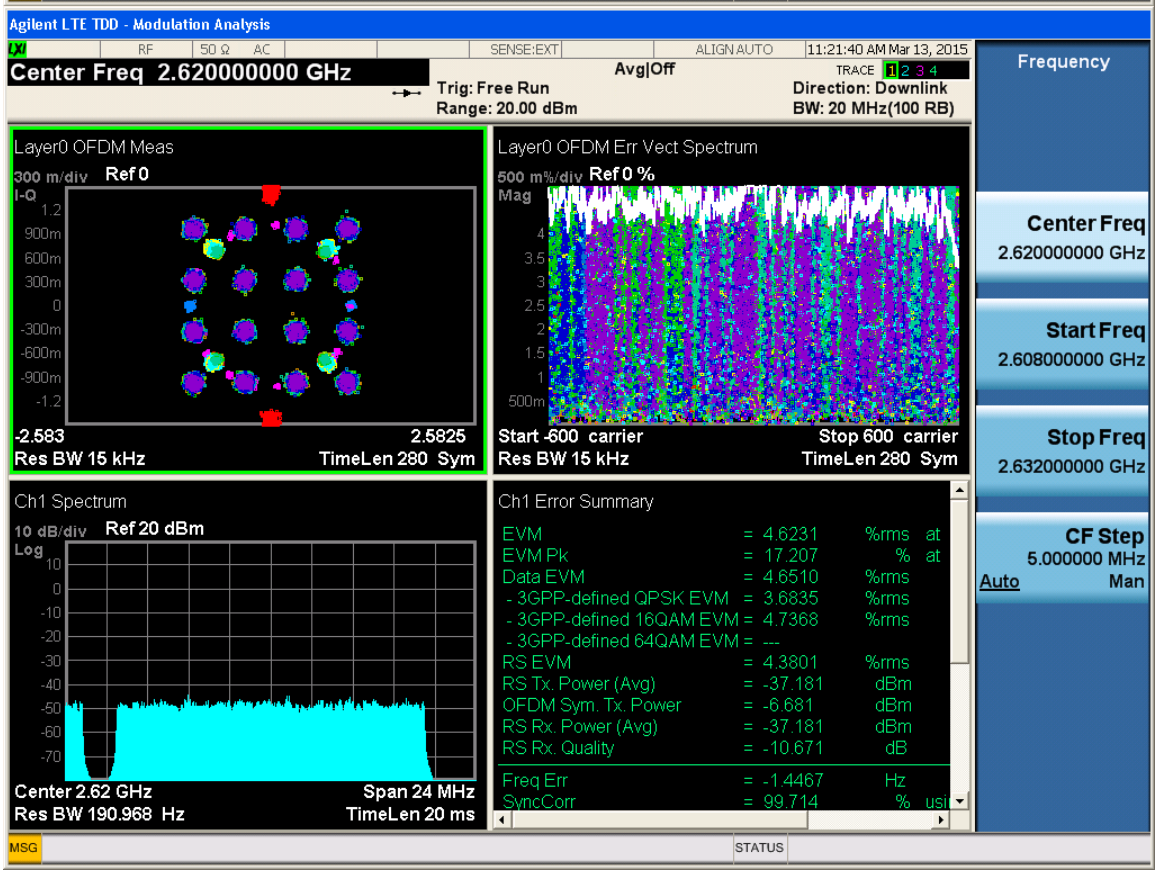
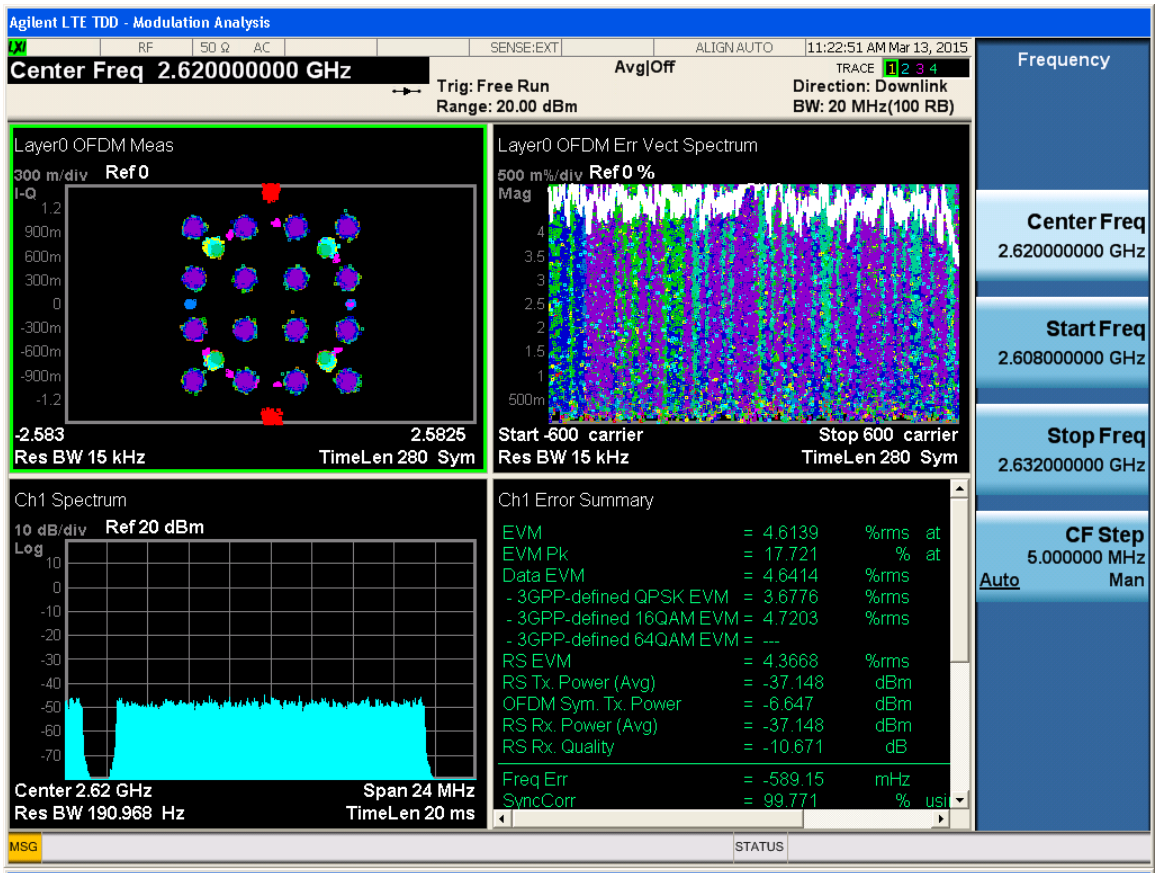
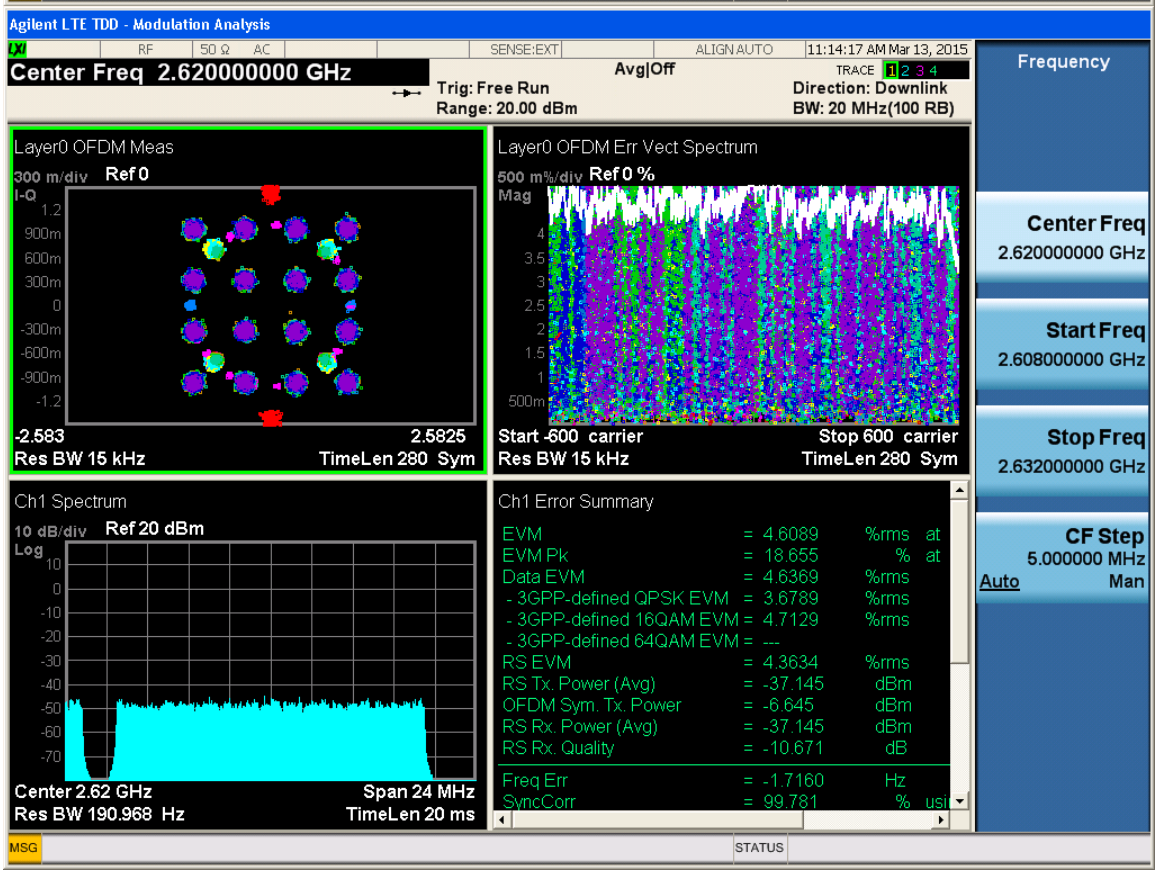
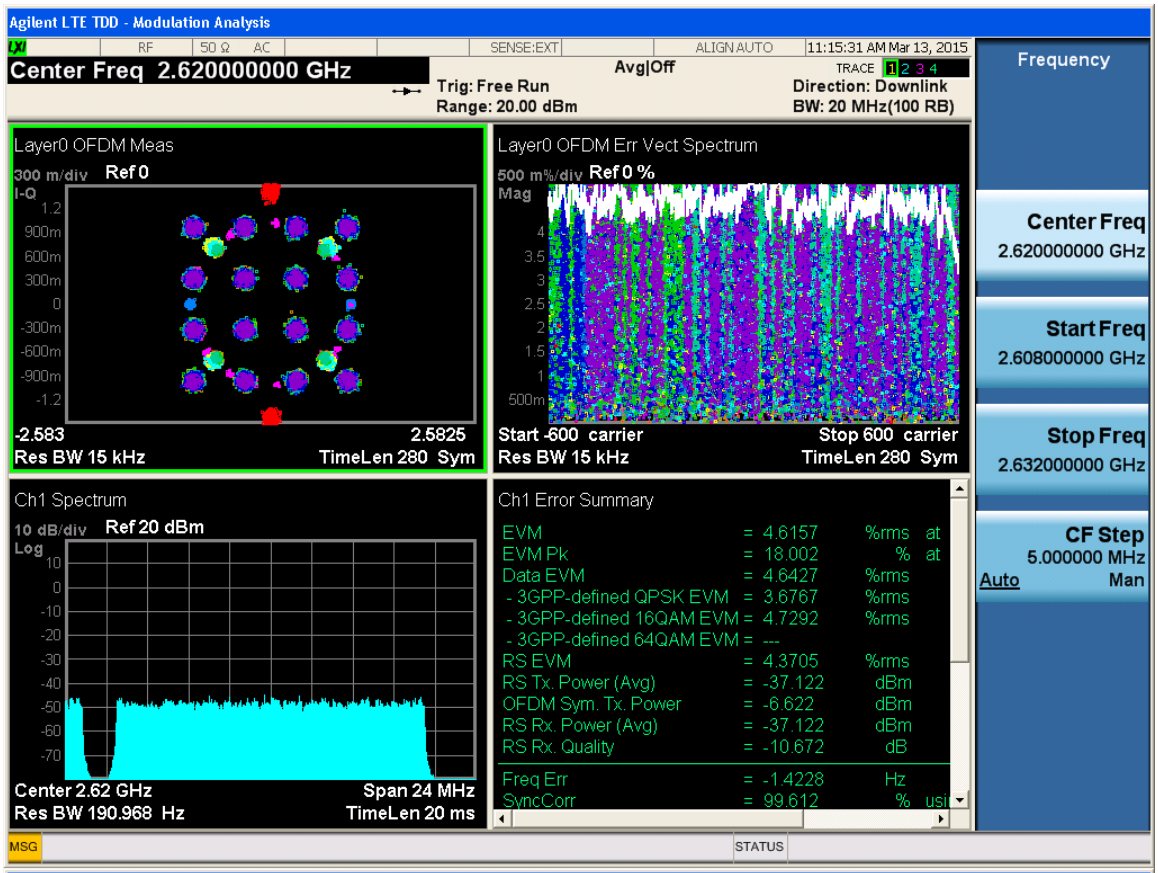
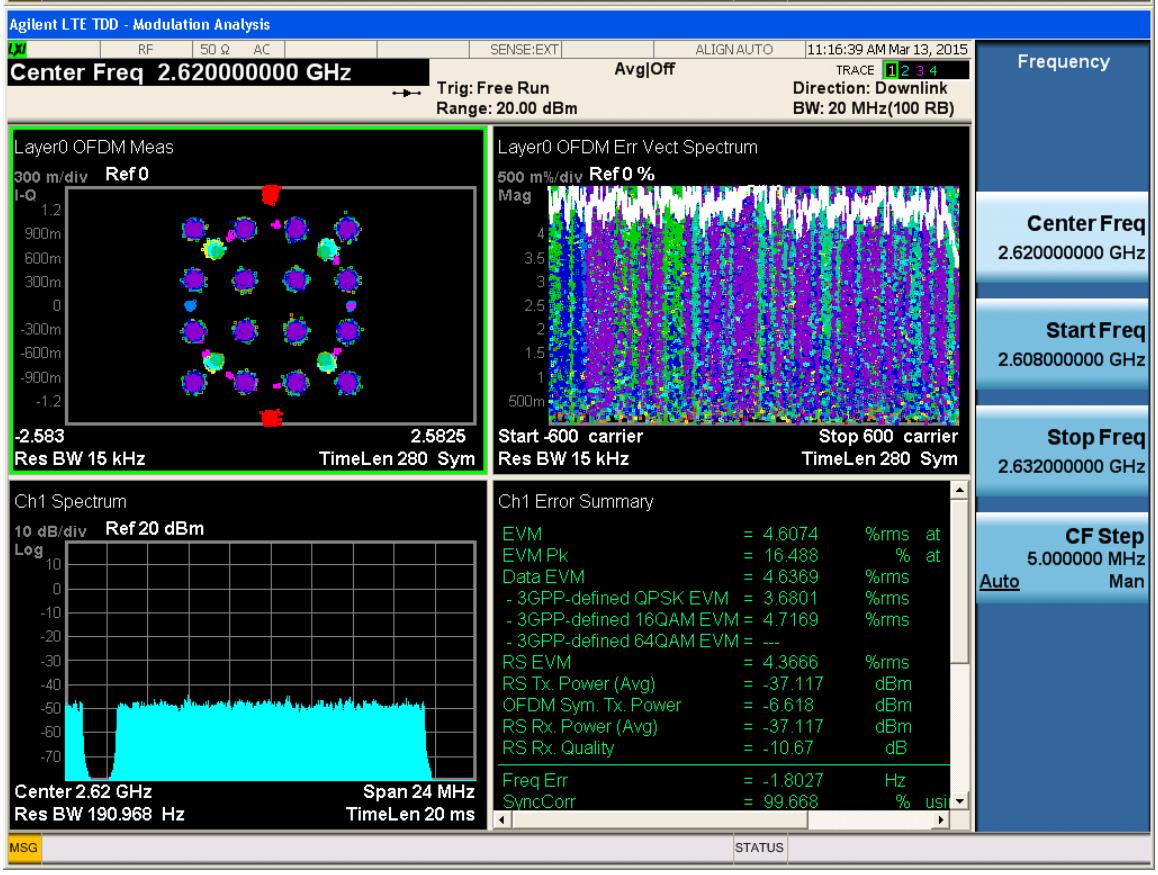

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:20:23 AM Mar 13, 2015
Center Freq 2.620000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.620000000 GHz
Start Freq
2.608000000 GHz
Stop Freq
2.632000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.62 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6090 %rms at
EVM Pk = 16.933 % at
Data EVM = 4.6373 %rms
- 3GPP-defined QPSK EVM = 3.6759 %rms
- 3GPP-defined 16QAM EVM = 4.7244 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3729 %rms
RS Tx. Power (Avg) = -37.211 dBm
OFDM Sym. Tx. Power = -6.709 dBm
RS Rx. Power (Avg) = -37.211 dBm
RS Rx. Quality = -10.671 dB
Freq Err = -1.4123 Hz
SyncCorr = 99.665 %
MSG
STATUS

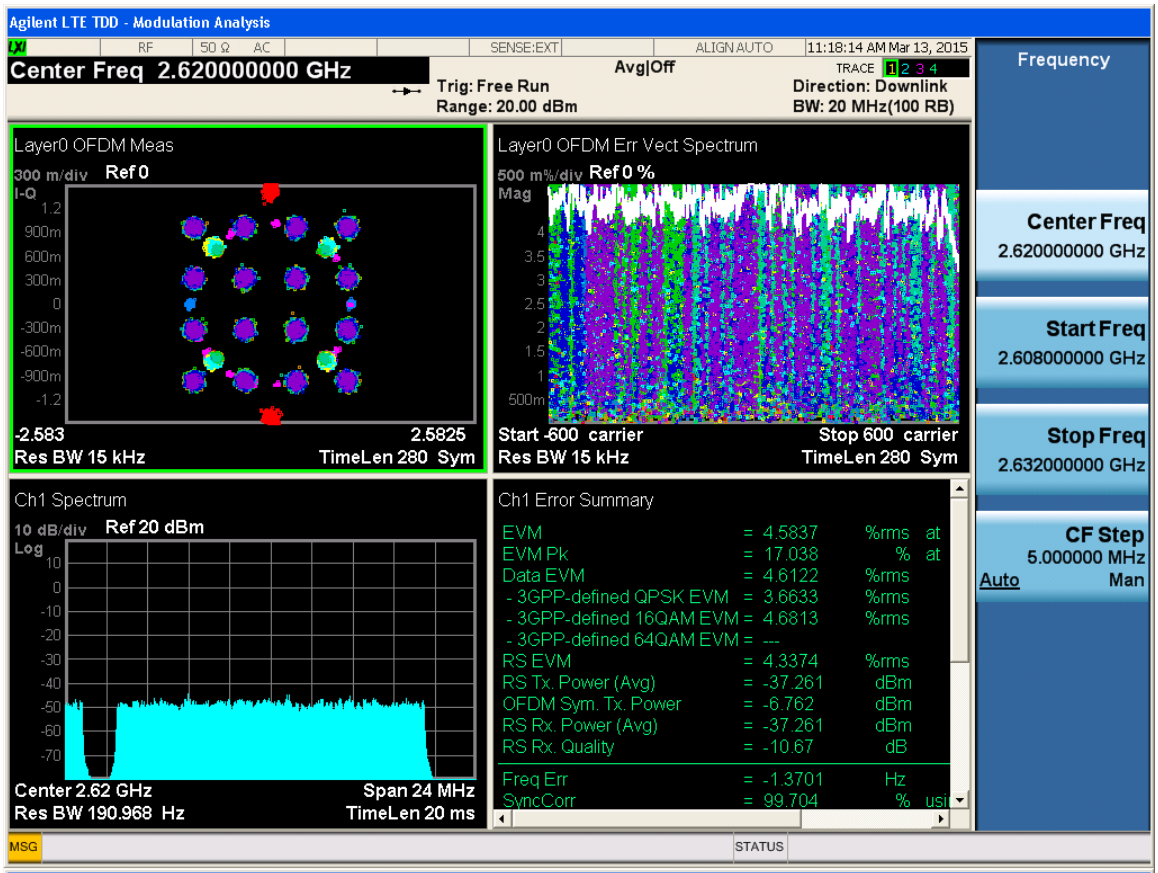

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:21:40 AM Mar 13, 2015
Center Freq 2.620000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.620000000 GHz
Start Freq
2.608000000 GHz
Stop Freq
2.632000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.62 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6231 %rms at
EVM Pk = 17.207 % at
Data EVM = 4.6510 %rms
- 3GPP-defined QPSK EVM = 3.6835 %rms
- 3GPP-defined 16QAM EVM = 4.7368 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3801 %rms
RS Tx. Power (Avg) = -37.181 dBm
OFDM Sym. Tx. Power = -6.681 dBm
RS Rx. Power (Avg) = -37.181 dBm
RS Rx. Quality = -10.671 dB
Freq Err = -1.4467 Hz
SyncCorr = 99.714 %
MSG
STATUS

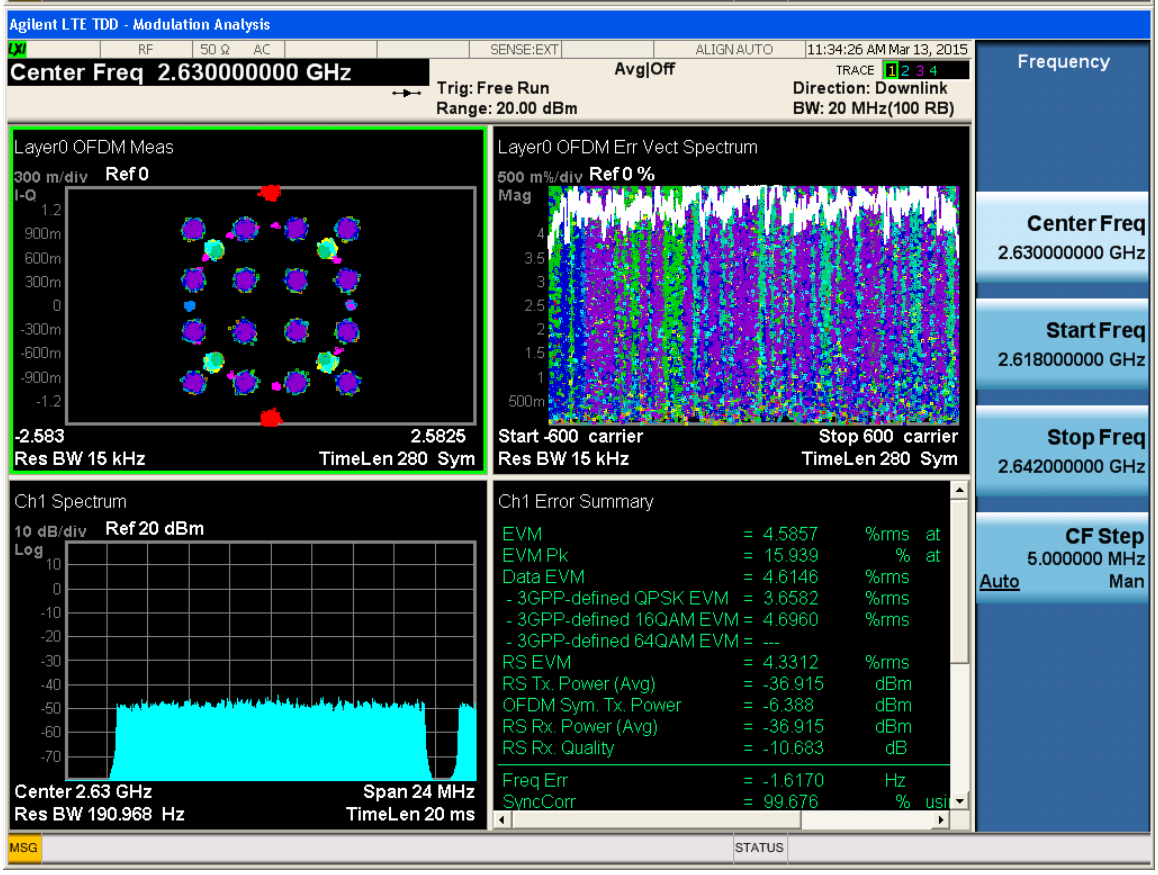

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:22:51 AM Mar 13, 2015
Center Freq 2.620000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.620000000 GHz
Start Freq
2.608000000 GHz
Stop Freq
2.632000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.62 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6139 %rms at
EVM Pk = 17.721 % at
Data EVM = 4.6414 %rms
- 3GPP-defined QPSK EVM = 3.6776 %rms
- 3GPP-defined 16QAM EVM = 4.7203 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3668 %rms
RS Tx. Power (Avg) = -37.148 dBm
OFDM Sym. Tx. Power = -6.647 dBm
RS Rx. Power (Avg) = -37.148 dBm
RS Rx. Quality = -10.671 dB
Freq Err = -589.15 mHz
SyncCorr = 99.771 %
MSG
STATUS

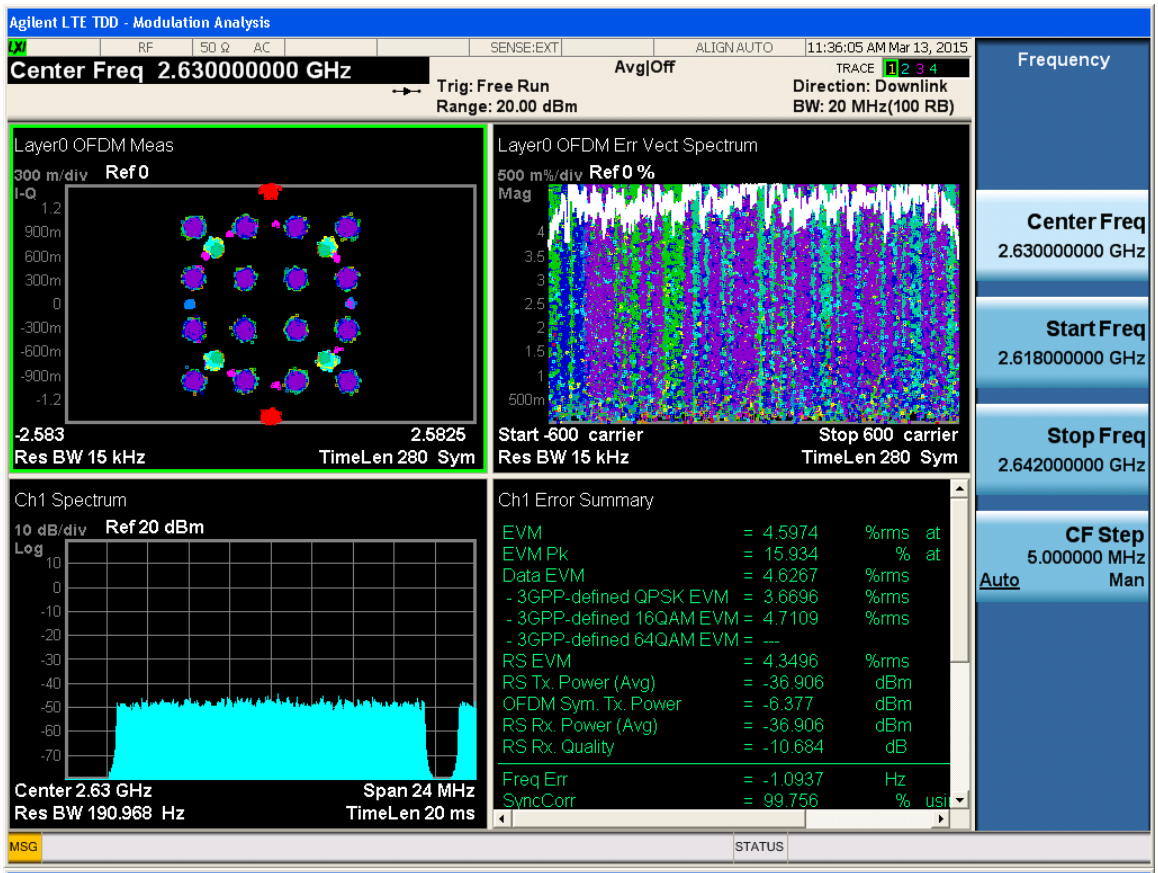

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:14:17 AM Mar 13, 2015
Center Freq 2.620000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.620000000 GHz
Start Freq
2.608000000 GHz
Stop Freq
2.632000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.62 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6089 %rms at
EVM Pk = 18.655 % at
Data EVM = 4.6369 %rms
- 3GPP-defined QPSK EVM = 3.6789 %rms
- 3GPP-defined 16QAM EVM = 4.7129 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3634 %rms
RS Tx. Power (Avg) = -37.145 dBm
OFDM Sym. Tx. Power = -6.645 dBm
RS Rx. Power (Avg) = -37.145 dBm
RS Rx. Quality = -10.671 dB
Freq Err = -1.7160 Hz
SyncCorr = 99.781 %
MSG
STATUS

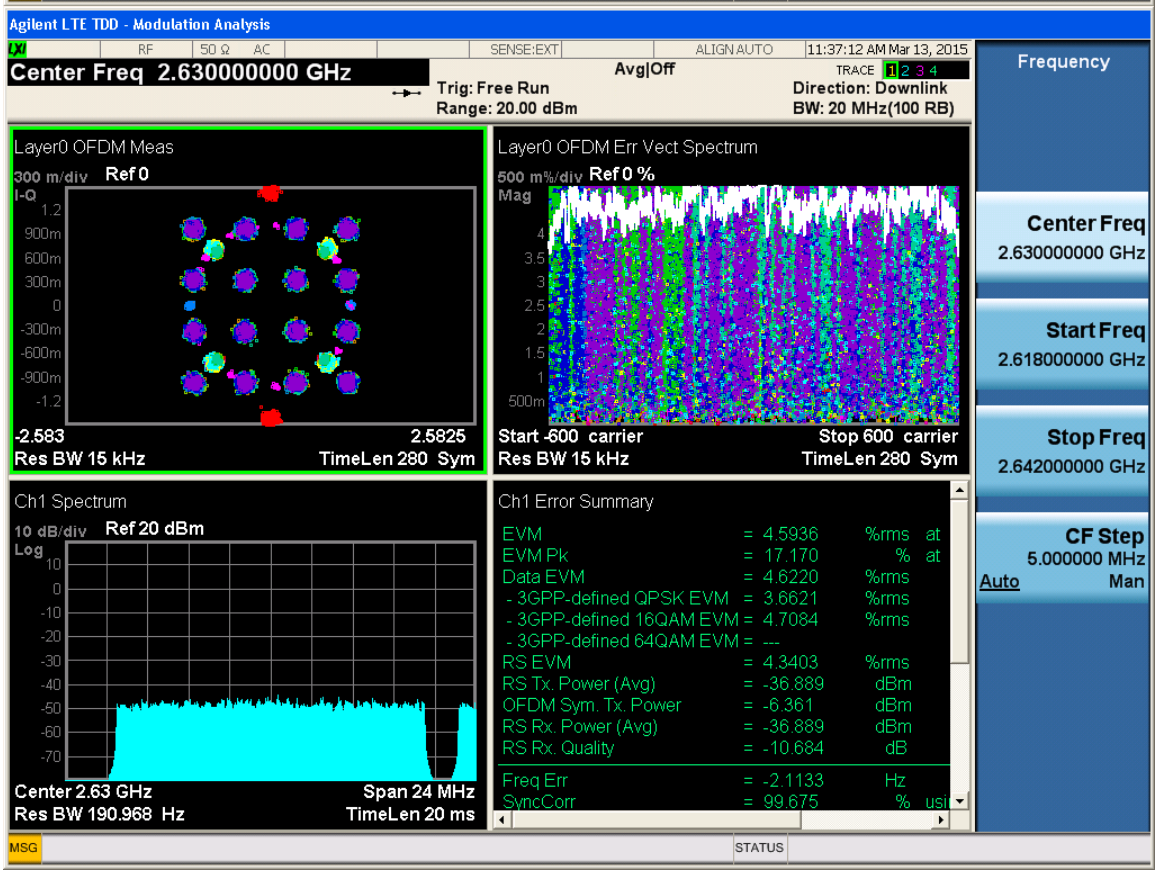

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:15:31 AM Mar 13, 2015
Center Freq 2.620000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.620000000 GHz
Start Freq
2.608000000 GHz
Stop Freq
2.632000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.62 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6157 %rms at
EVM Pk = 18.002 % at
Data EVM = 4.6427 %rms
- 3GPP-defined QPSK EVM = 3.6767 %rms
- 3GPP-defined 16QAM EVM = 4.7292 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3705 %rms
RS Tx. Power (Avg) = -37.122 dBm
OFDM Sym. Tx. Power = -6.622 dBm
RS Rx. Power (Avg) = -37.122 dBm
RS Rx. Quality = -10.672 dB
Freq Err = -1.4228 Hz
SyncCorr = 99.612 %
MSG
STATUS

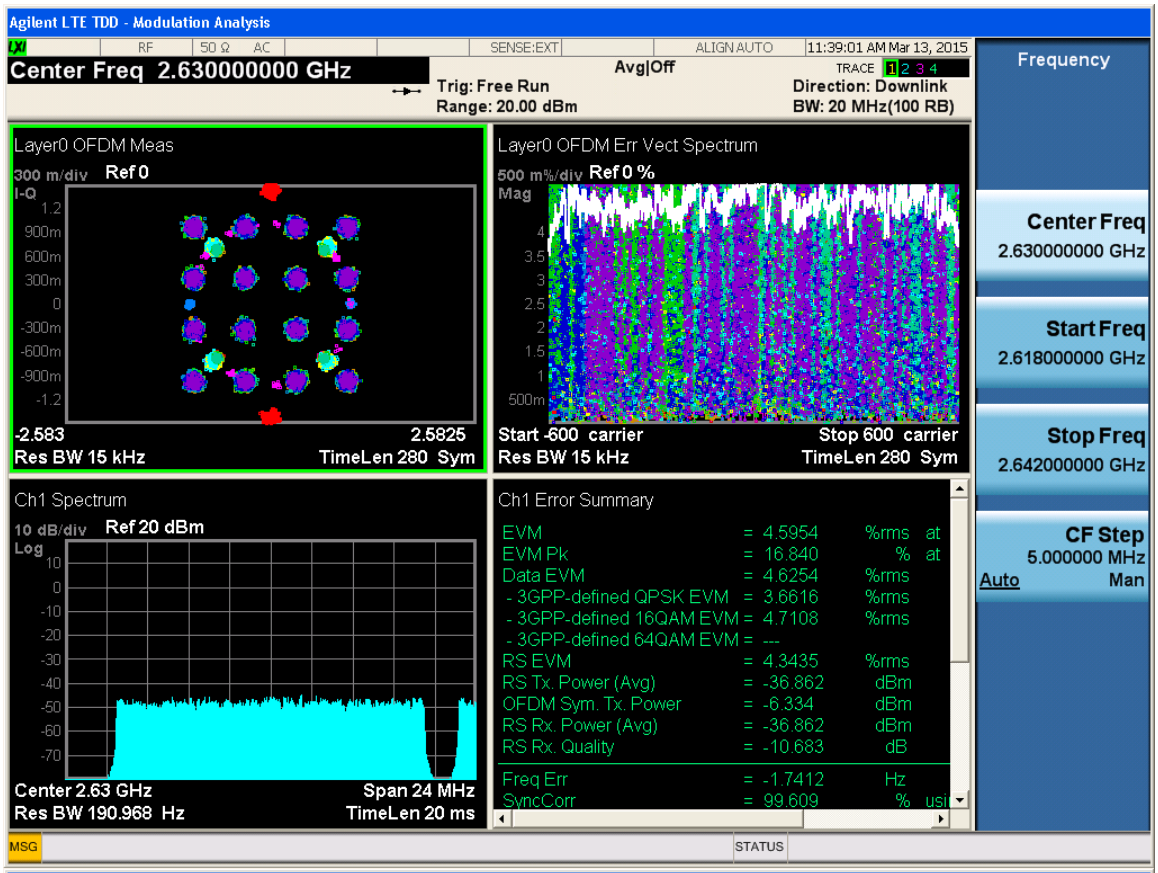

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:16:39 AM Mar 13, 2015
Center Freq 2.620000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.620000000 GHz
Start Freq
2.608000000 GHz
Stop Freq
2.632000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.62 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6074 %rms at
EVM Pk = 16.488 % at
Data EVM = 4.6369 %rms
- 3GPP-defined QPSK EVM = 3.6801 %rms
- 3GPP-defined 16QAM EVM = 4.7169 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3666 %rms
RS Tx. Power (Avg) = -37.117 dBm
OFDM Sym. Tx. Power = -6.618 dBm
RS Rx. Power (Avg) = -37.117 dBm
RS Rx. Quality = -10.67 dB
Freq Err = -1.8027 Hz
SyncCorr = 99.668 %
MSG
STATUS

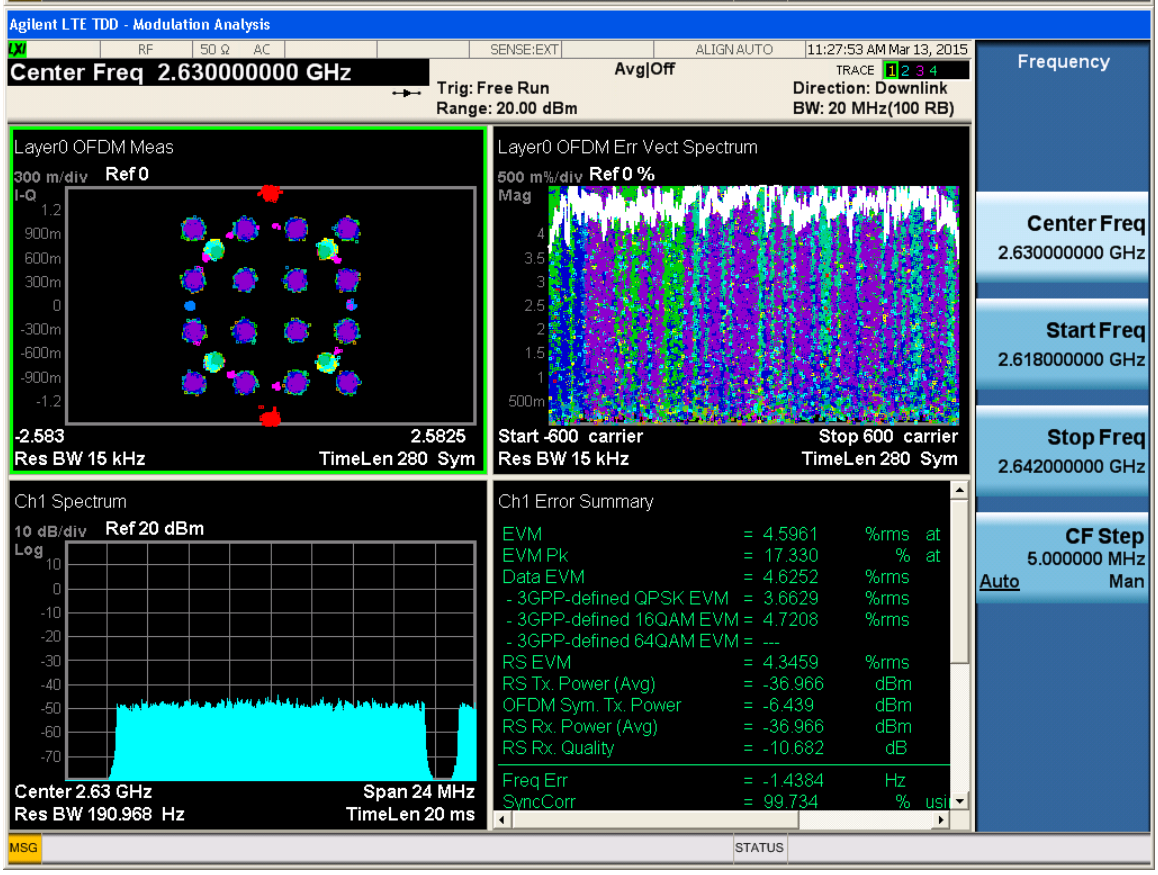

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:18:14 AM Mar 13, 2015
Center Freq 2.620000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.620000000 GHz
Start Freq
2.608000000 GHz
Stop Freq
2.632000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.62 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5837 %rms at
EVM Pk = 17.038 % at
Data EVM = 4.6122 %rms
- 3GPP-defined QPSK EVM = 3.6633 %rms
- 3GPP-defined 16QAM EVM = 4.6813 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3374 %rms
RS Tx. Power (Avg) = -37.261 dBm
OFDM Sym. Tx. Power = -6.762 dBm
RS Rx. Power (Avg) = -37.261 dBm
RS Rx. Quality = -10.67 dB
Freq Err = -1.3701 Hz
SyncCorr = 99.704 %
MSG
STATUS

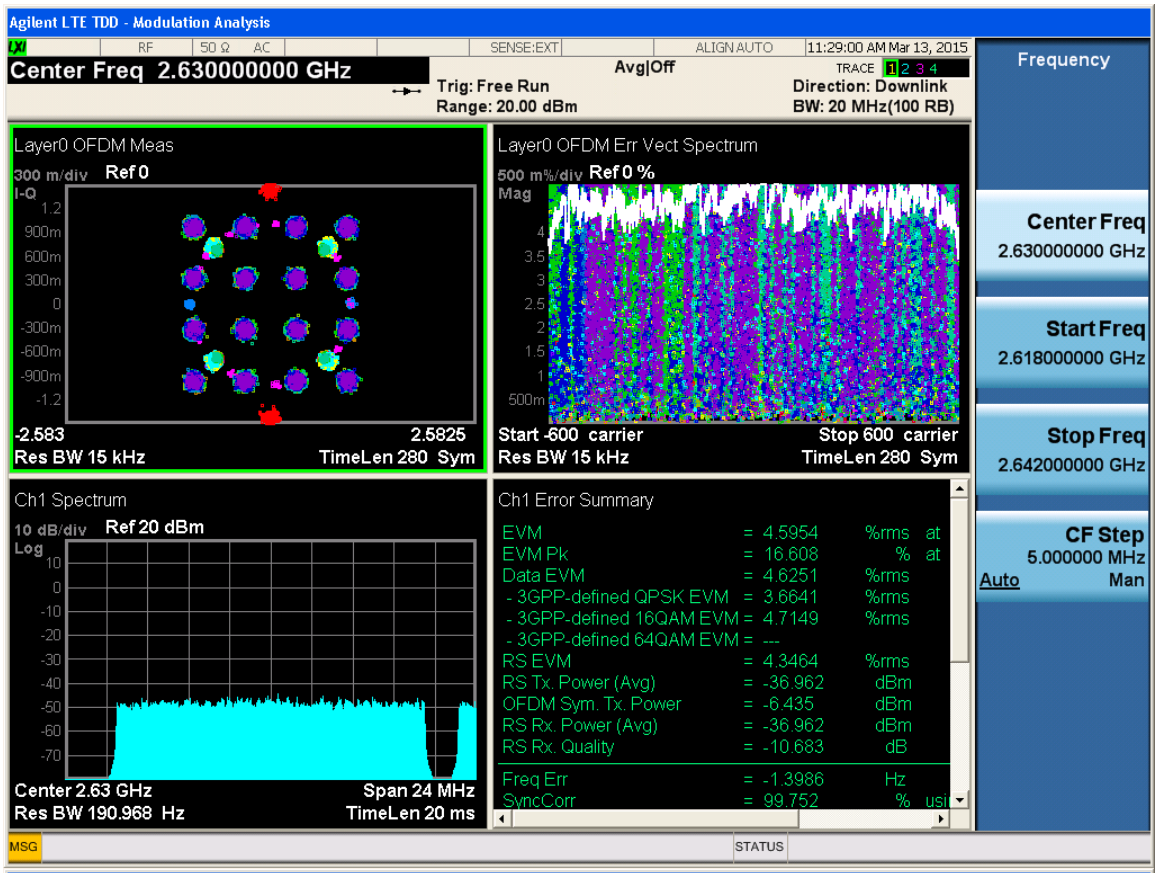

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:34:26 AM Mar 13, 2015
Center Freq 2.630000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.630000000 GHz
Start Freq
2.618000000 GHz
Stop Freq
2.642000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.63 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5857 %rms at
EVM Pk = 15.939 % at
Data EVM = 4.6146 %rms
- 3GPP-defined QPSK EVM = 3.6582 %rms
- 3GPP-defined 16QAM EVM = 4.6960 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3312 %rms
RS Tx. Power (Avg) = -36.915 dBm
OFDM Sym. Tx. Power = -6.388 dBm
RS Rx. Power (Avg) = -36.915 dBm
RS Rx. Quality = -10.683 dB
Freq Err = -1.6170 Hz
SyncCorr = 99.676 %
MSG
STATUS

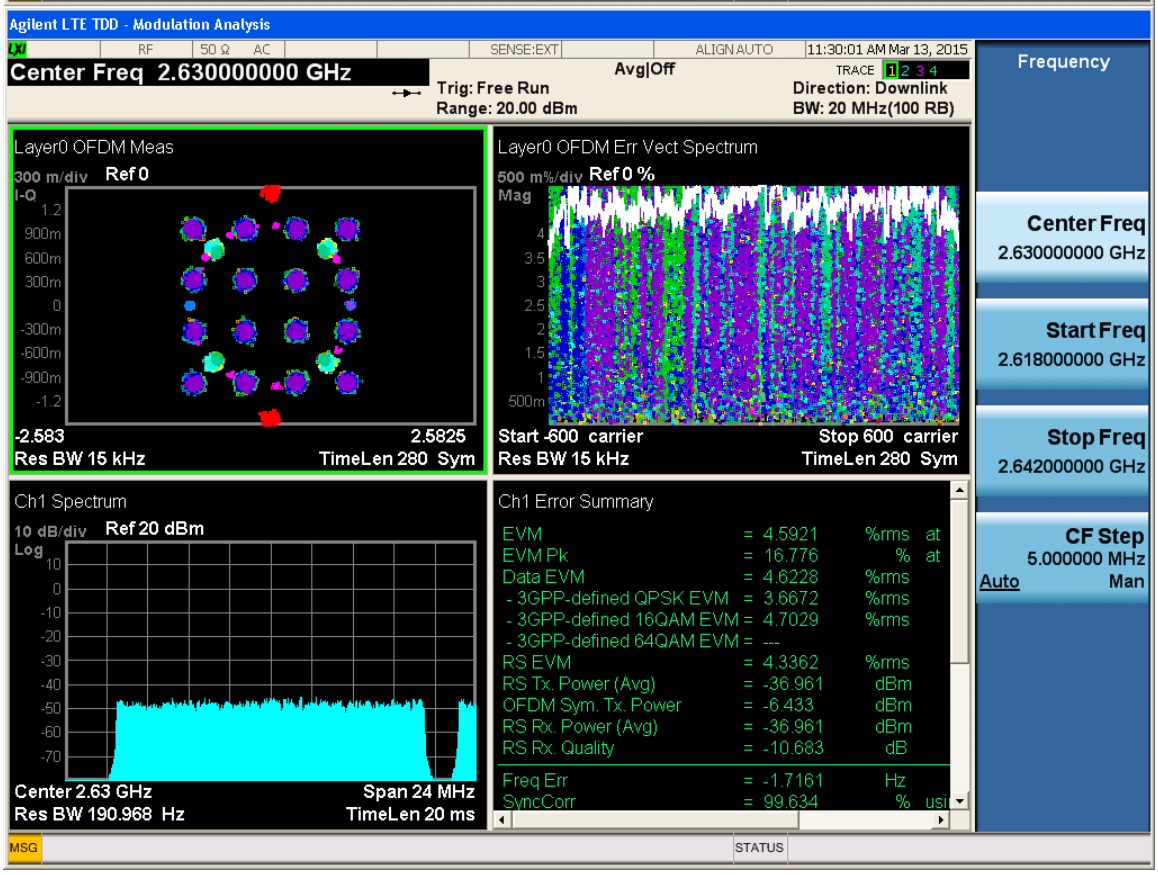

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:36:05 AM Mar 13, 2015
Center Freq 2.630000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.630000000 GHz
Start Freq
2.618000000 GHz
Stop Freq
2.642000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.63 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5974 %rms at
EVM Pk = 15.934 % at
Data EVM = 4.6267 %rms
- 3GPP-defined QPSK EVM = 3.6696 %rms
- 3GPP-defined 16QAM EVM = 4.7109 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3496 %rms
RS Tx. Power (Avg) = -36.906 dBm
OFDM Sym. Tx. Power = -6.377 dBm
RS Rx. Power (Avg) = -36.906 dBm
RS Rx. Quality = -10.684 dB
Freq Err = -1.0937 Hz
SyncCorr = 99.756 %
MSG
STATUS

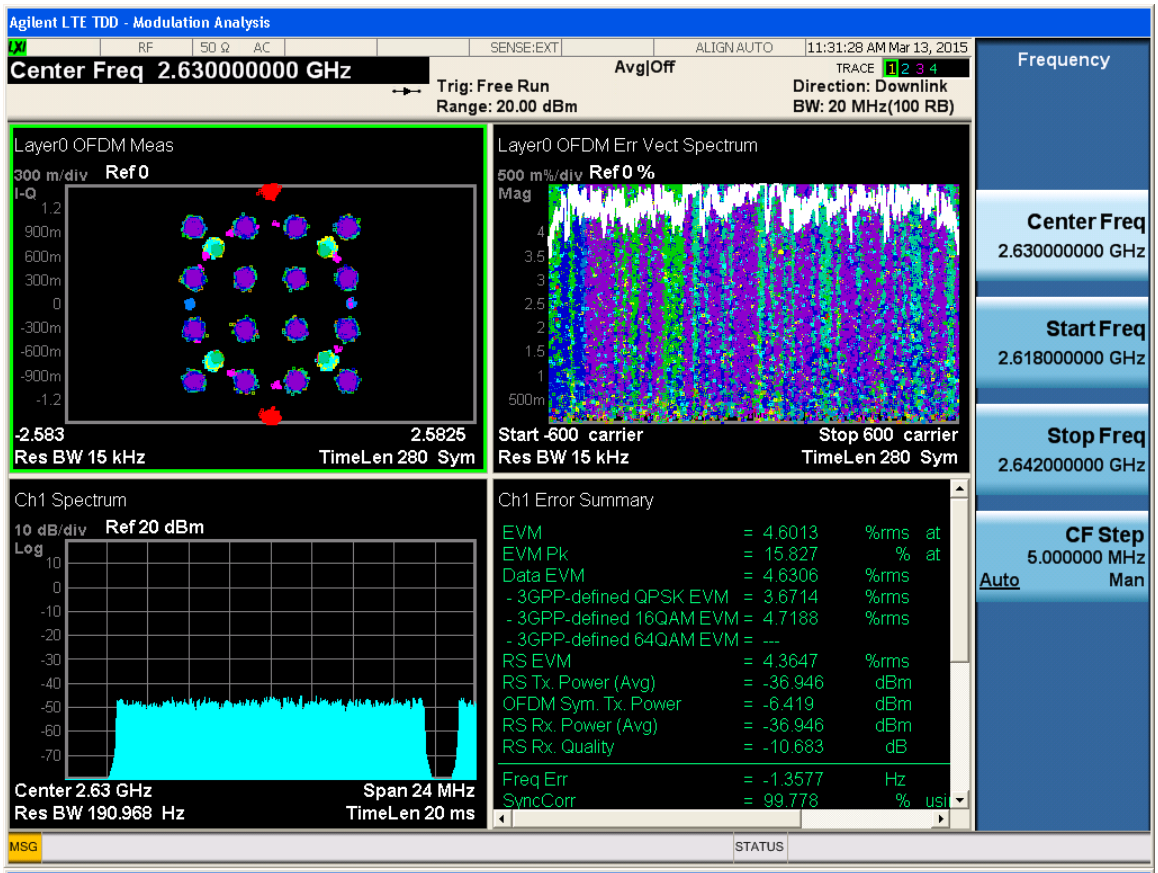

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:37:12 AM Mar 13, 2015
Center Freq 2.630000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.630000000 GHz
Start Freq
2.618000000 GHz
Stop Freq
2.642000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.63 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5936 %rms at
EVM Pk = 17.170 % at
Data EVM = 4.6220 %rms
- 3GPP-defined QPSK EVM = 3.6621 %rms
- 3GPP-defined 16QAM EVM = 4.7084 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3403 %rms
RS Tx. Power (Avg) = -36.889 dBm
OFDM Sym. Tx. Power = -6.361 dBm
RS Rx. Power (Avg) = -36.889 dBm
RS Rx. Quality = -10.684 dB
Freq Err = -2.1133 Hz
SyncCorr = 99.675 %
MSG
STATUS

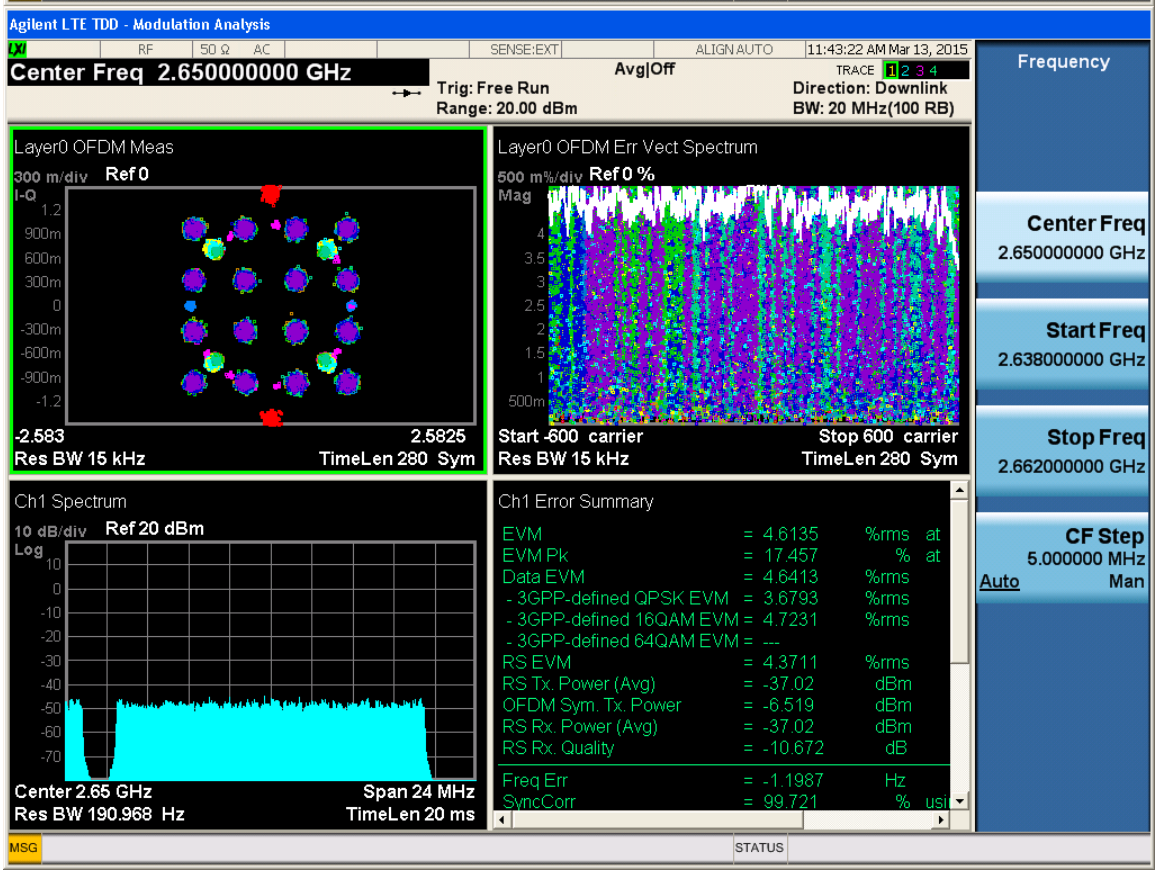

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:39:01 AM Mar 13, 2015
Center Freq 2.630000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.630000000 GHz
Start Freq
2.618000000 GHz
Stop Freq
2.642000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.63 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5954 %rms at
EVM Pk = 16.840 % at
Data EVM = 4.6254 %rms
- 3GPP-defined QPSK EVM = 3.6616 %rms
- 3GPP-defined 16QAM EVM = 4.7108 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3435 %rms
RS Tx. Power (Avg) = -36.862 dBm
OFDM Sym. Tx. Power = -6.334 dBm
RS Rx. Power (Avg) = -36.862 dBm
RS Rx. Quality = -10.683 dB
Freq Err = -1.7412 Hz
SyncCorr = 99.609 %
MSG
STATUS

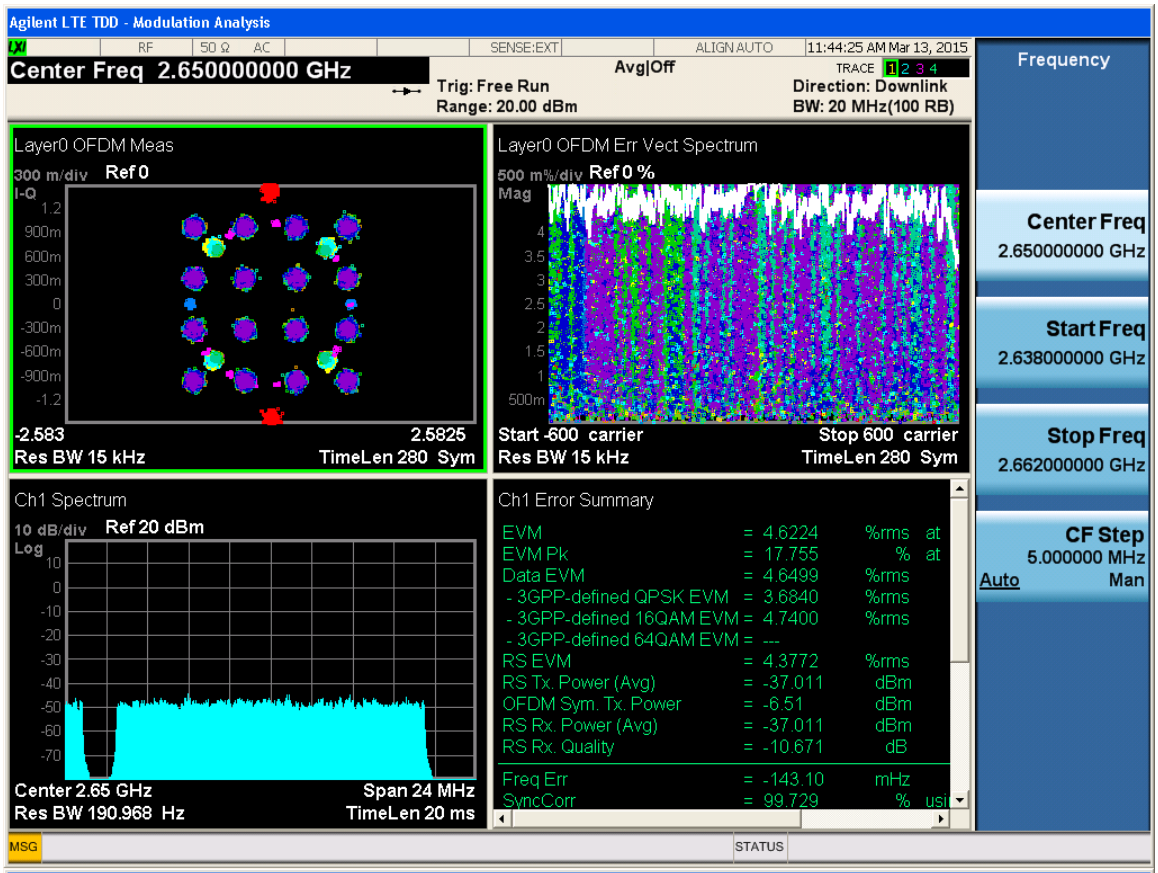

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:27:53 AM Mar 13, 2015
Center Freq 2.630000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.630000000 GHz
Start Freq
2.618000000 GHz
Stop Freq
2.642000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.63 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5961 %rms at
EVM Pk = 17.330 % at
Data EVM = 4.6252 %rms
- 3GPP-defined QPSK EVM = 3.6629 %rms
- 3GPP-defined 16QAM EVM = 4.7208 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3459 %rms
RS Tx. Power (Avg) = -36.966 dBm
OFDM Sym. Tx. Power = -6.439 dBm
RS Rx. Power (Avg) = -36.966 dBm
RS Rx. Quality = -10.682 dB
Freq Err = -1.4384 Hz
SyncCorr = 99.734 %
MSG
STATUS

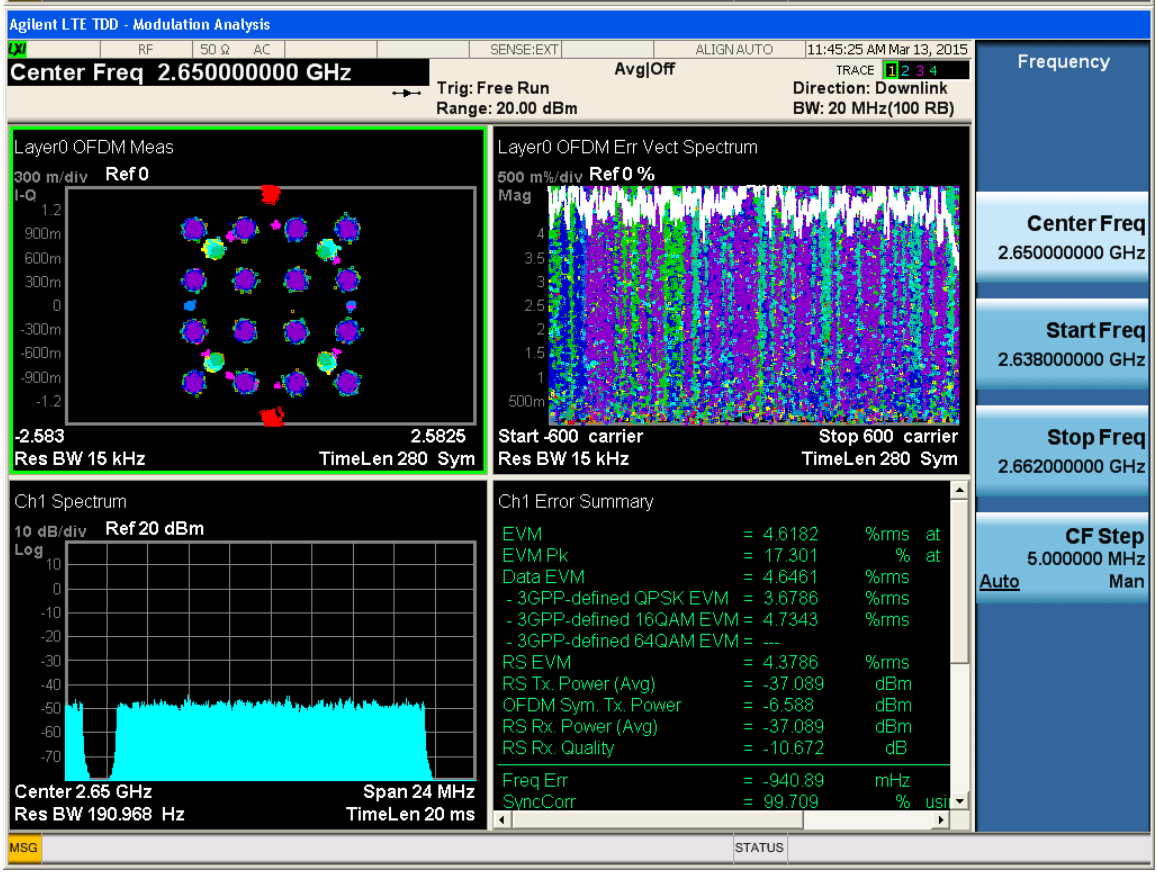

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:29:00 AM Mar 13, 2015
Center Freq 2.630000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.630000000 GHz
Start Freq
2.618000000 GHz
Stop Freq
2.642000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.63 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5954 %rms at
EVM Pk = 16.608 % at
Data EVM = 4.6251 %rms
- 3GPP-defined QPSK EVM = 3.6641 %rms
- 3GPP-defined 16QAM EVM = 4.7149 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3464 %rms
RS Tx. Power (Avg) = -36.962 dBm
OFDM Sym. Tx. Power = -6.435 dBm
RS Rx. Power (Avg) = -36.962 dBm
RS Rx. Quality = -10.683 dB
Freq Err = -1.3986 Hz
SyncCorr = 99.752 %
MSG
STATUS

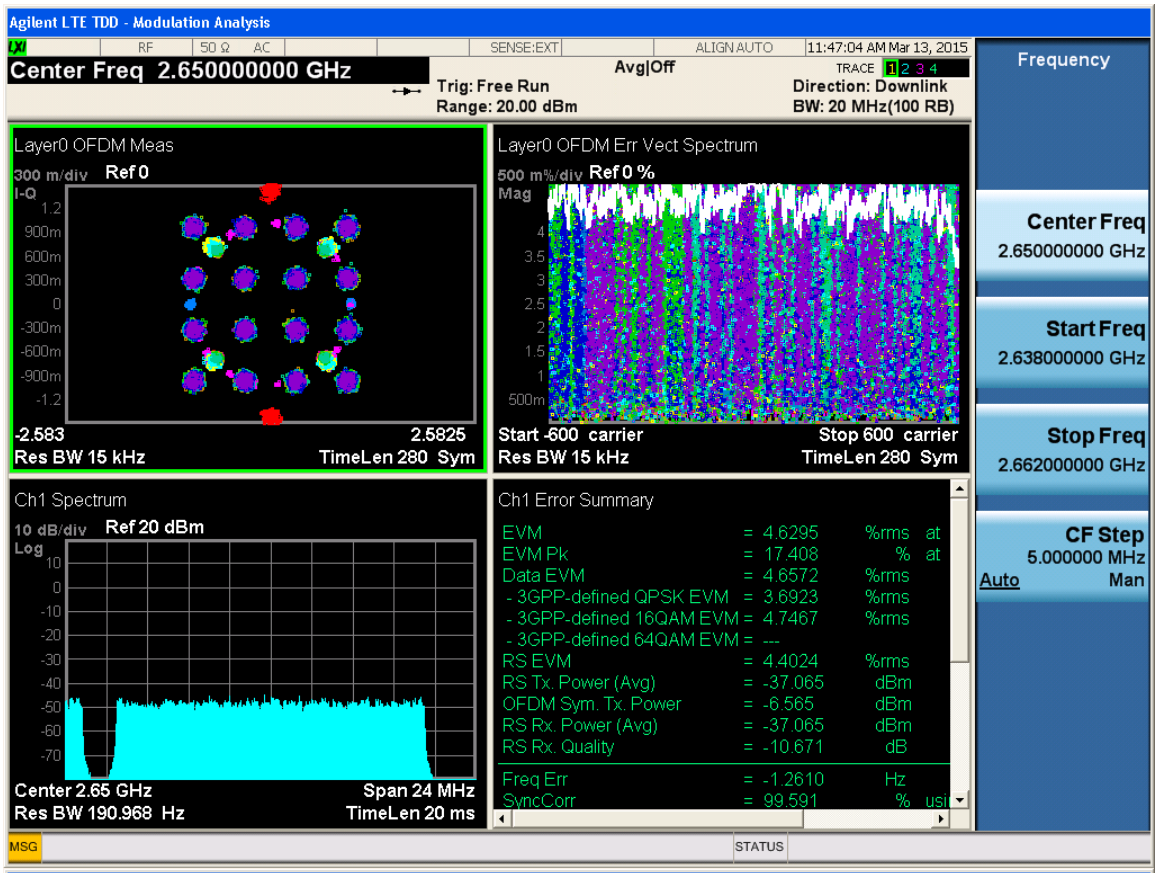

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:30:01 AM Mar 13, 2015
Center Freq 2.630000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.630000000 GHz
Start Freq
2.618000000 GHz
Stop Freq
2.642000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.63 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5921 %rms at
EVM Pk = 16.776 % at
Data EVM = 4.6228 %rms
- 3GPP-defined QPSK EVM = 3.6672 %rms
- 3GPP-defined 16QAM EVM = 4.7029 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3362 %rms
RS Tx. Power (Avg) = -36.961 dBm
OFDM Sym. Tx. Power = -6.433 dBm
RS Rx. Power (Avg) = -36.961 dBm
RS Rx. Quality = -10.683 dB
Freq Err = -1.7161 Hz
SyncCorr = 99.634 %
MSG
STATUS

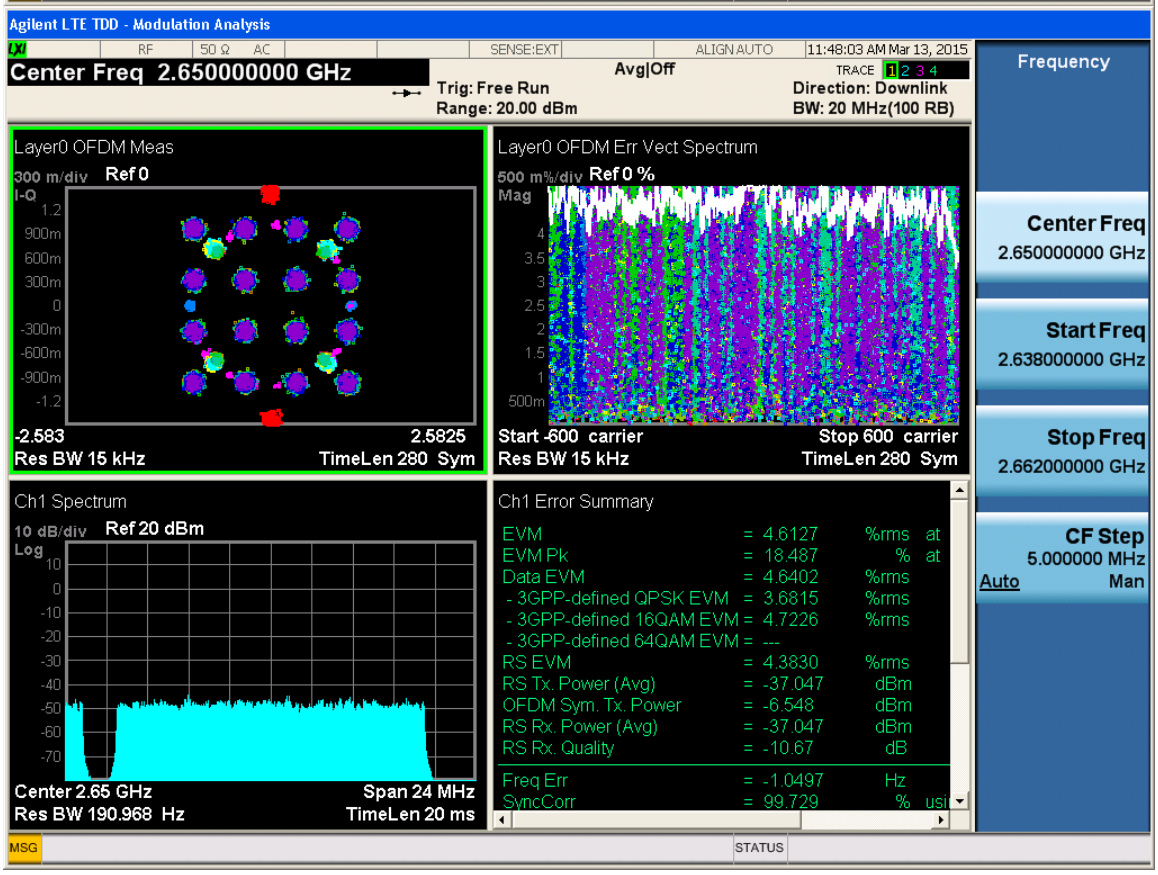

Agilent LTE TDD - Modulation Analysis
Center Freq 2.630000000 GHz
Trig: Free Run
Range: 20.00 dBm
Avg|Off
11:31:28 AM Mar 13, 2015
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.630000000 GHz
Start Freq
2.618000000 GHz
Stop Freq
2.642000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.63 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6013 %rms at
EVM Pk = 15.827 % at
Data EVM = 4.6306 %rms
- 3GPP-defined QPSK EVM = 3.6714 %rms
- 3GPP-defined 16QAM EVM = 4.7188 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3647 %rms
RS Tx. Power (Avg) = -36.946 dBm
OFDM Sym. Tx. Power = -6.419 dBm
RS Rx. Power (Avg) = -36.946 dBm
RS Rx. Quality = -10.683 dB
Freq Err = -1.3577 Hz
SyncCorr = 99.778 %
MSG
STATUS

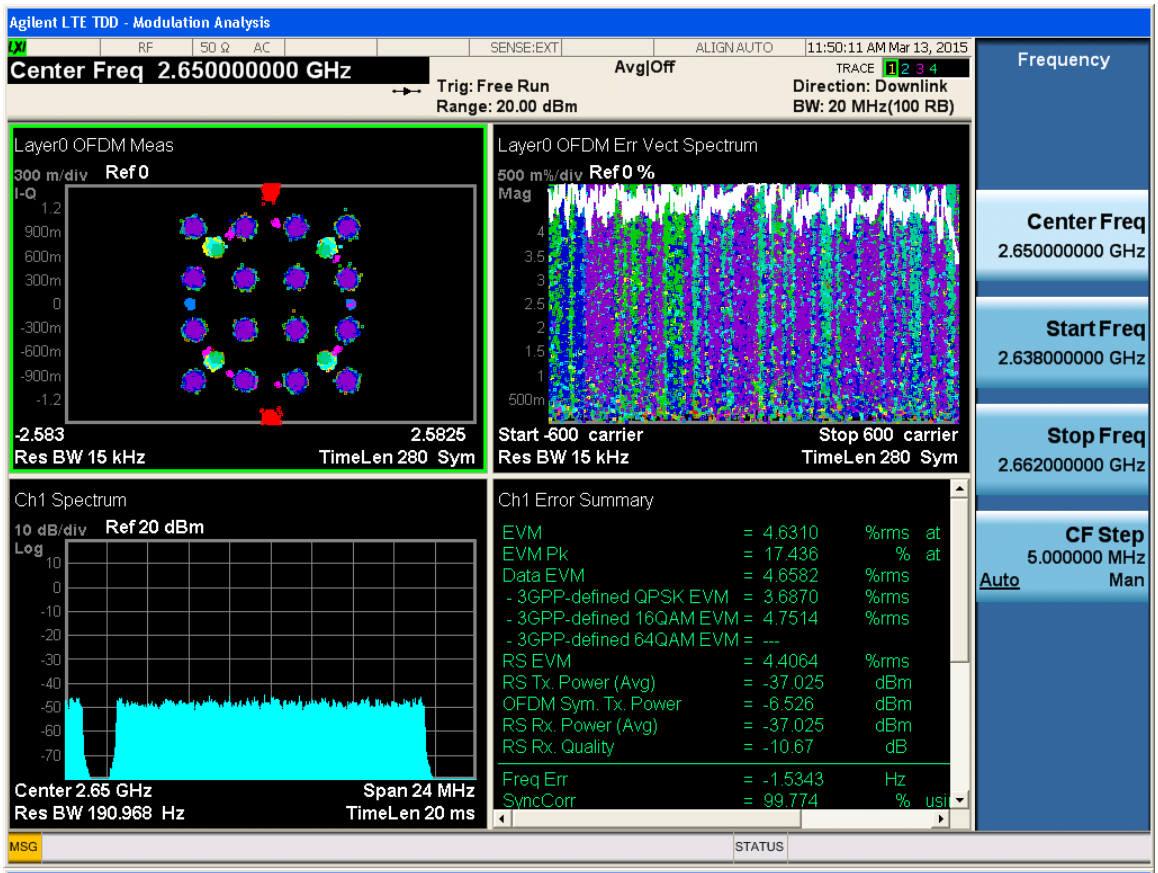

Agilent LTE TDD - Modulation Analysis
Center Freq 2.650000000 GHz
Trig: Free Run
Range: 20.00 dBm
Avg|Off
11:43:22 AM Mar 13, 2015
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.650000000 GHz
Start Freq
2.638000000 GHz
Stop Freq
2.662000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.65 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6135 %rms at
EVM Pk = 17.457 % at
Data EVM = 4.6413 %rms
- 3GPP-defined QPSK EVM = 3.6793 %rms
- 3GPP-defined 16QAM EVM = 4.7231 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3711 %rms
RS Tx. Power (Avg) = -37.02 dBm
OFDM Sym. Tx. Power = -6.519 dBm
RS Rx. Power (Avg) = -37.02 dBm
RS Rx. Quality = -10.672 dB
Freq Err = -1.1987 Hz
SyncCorr = 99.721 %
MSG
STATUS

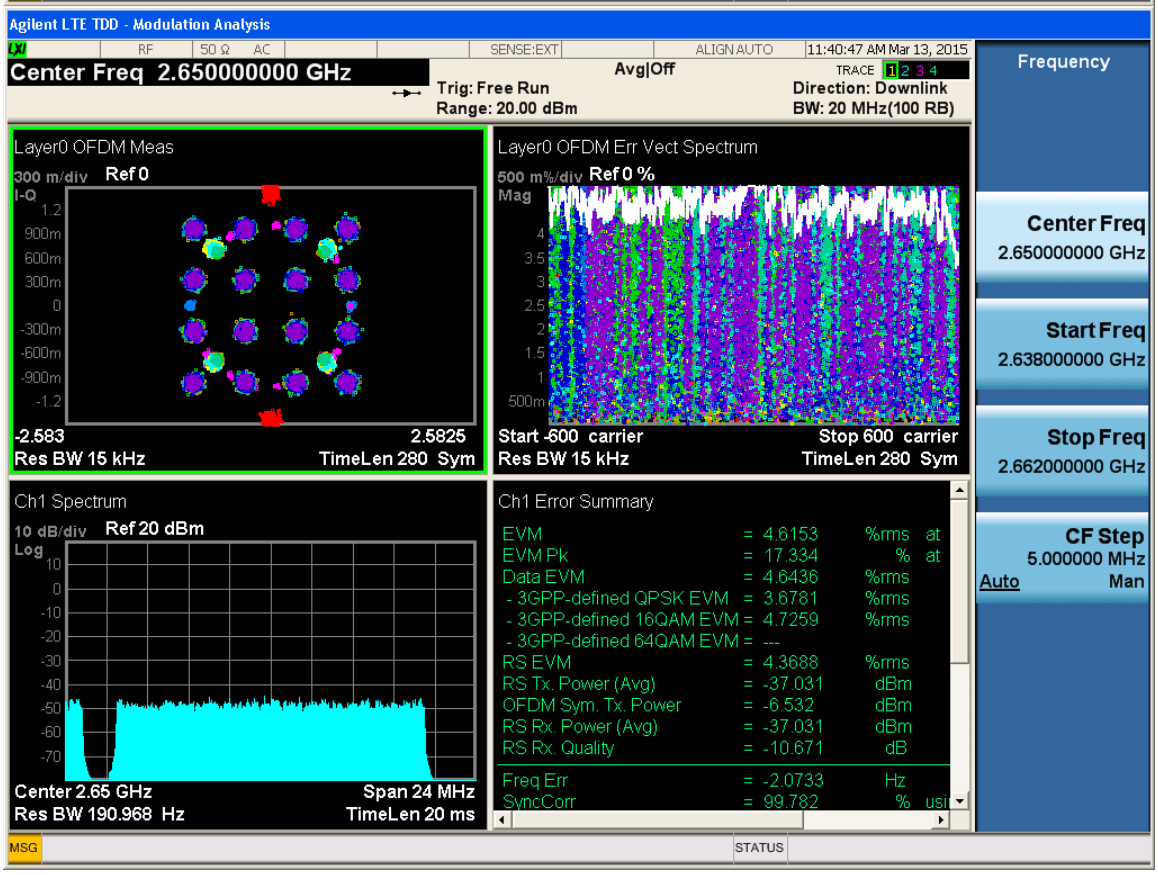

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:44:25 AM Mar 13, 2015
Center Freq 2.650000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.650000000 GHz
Start Freq
2.638000000 GHz
Stop Freq
2.662000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.65 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6224 %rms at
EVM Pk = 17.755 % at
Data EVM = 4.6499 %rms
- 3GPP-defined QPSK EVM = 3.6840 %rms
- 3GPP-defined 16QAM EVM = 4.7400 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3772 %rms
RS Tx. Power (Avg) = -37.011 dBm
OFDM Sym. Tx. Power = -6.51 dBm
RS Rx. Power (Avg) = -37.011 dBm
RS Rx. Quality = -10.671 dB
Freq Err = -143.10 mHz
SyncCorr = 99.729 %
MSG
STATUS

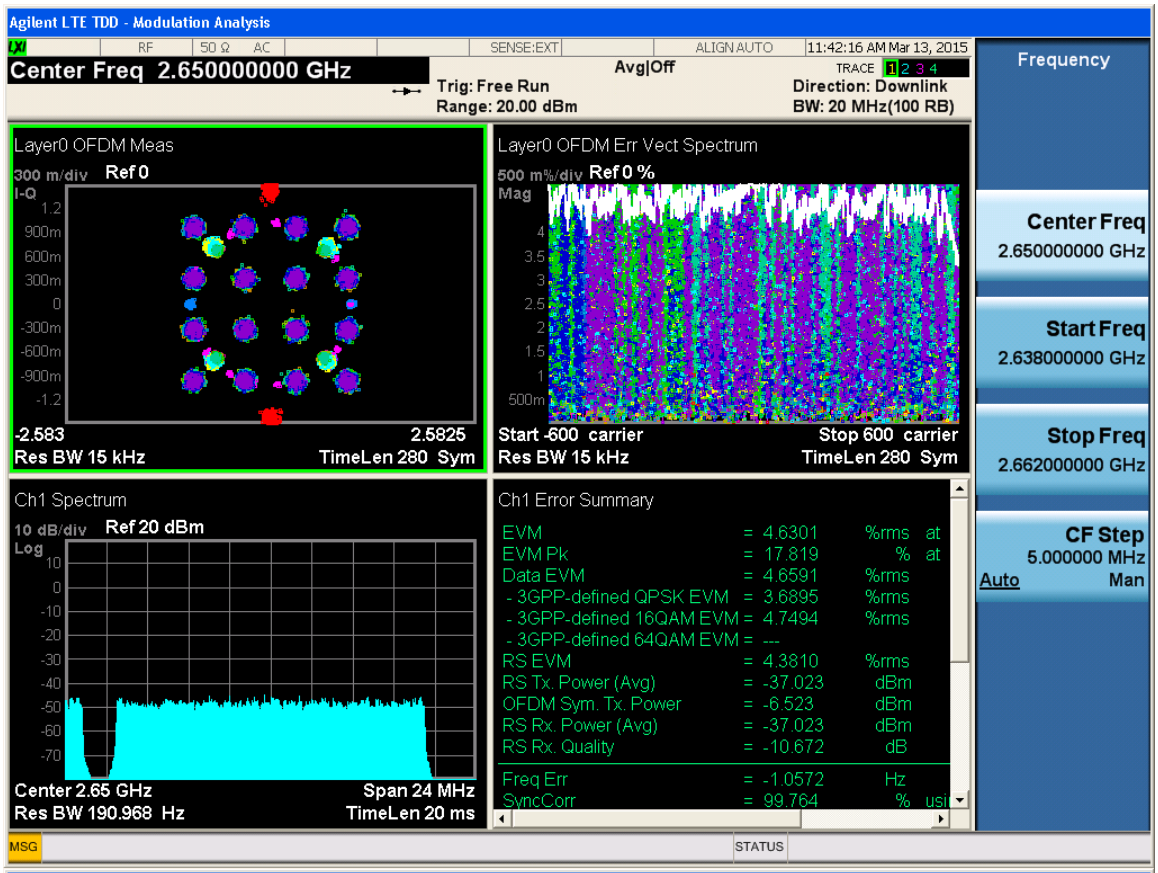

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:45:25 AM Mar 13, 2015
Center Freq 2.650000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.650000000 GHz
Start Freq
2.638000000 GHz
Stop Freq
2.662000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.65 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6182 %rms at
EVM Pk = 17.301 % at
Data EVM = 4.6461 %rms
- 3GPP-defined QPSK EVM = 3.6786 %rms
- 3GPP-defined 16QAM EVM = 4.7343 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3786 %rms
RS Tx. Power (Avg) = -37.089 dBm
OFDM Sym. Tx. Power = -6.588 dBm
RS Rx. Power (Avg) = -37.089 dBm
RS Rx. Quality = -10.672 dB
Freq Err = -940.89 mHz
SyncCorr = 99.709 %
MSG
STATUS

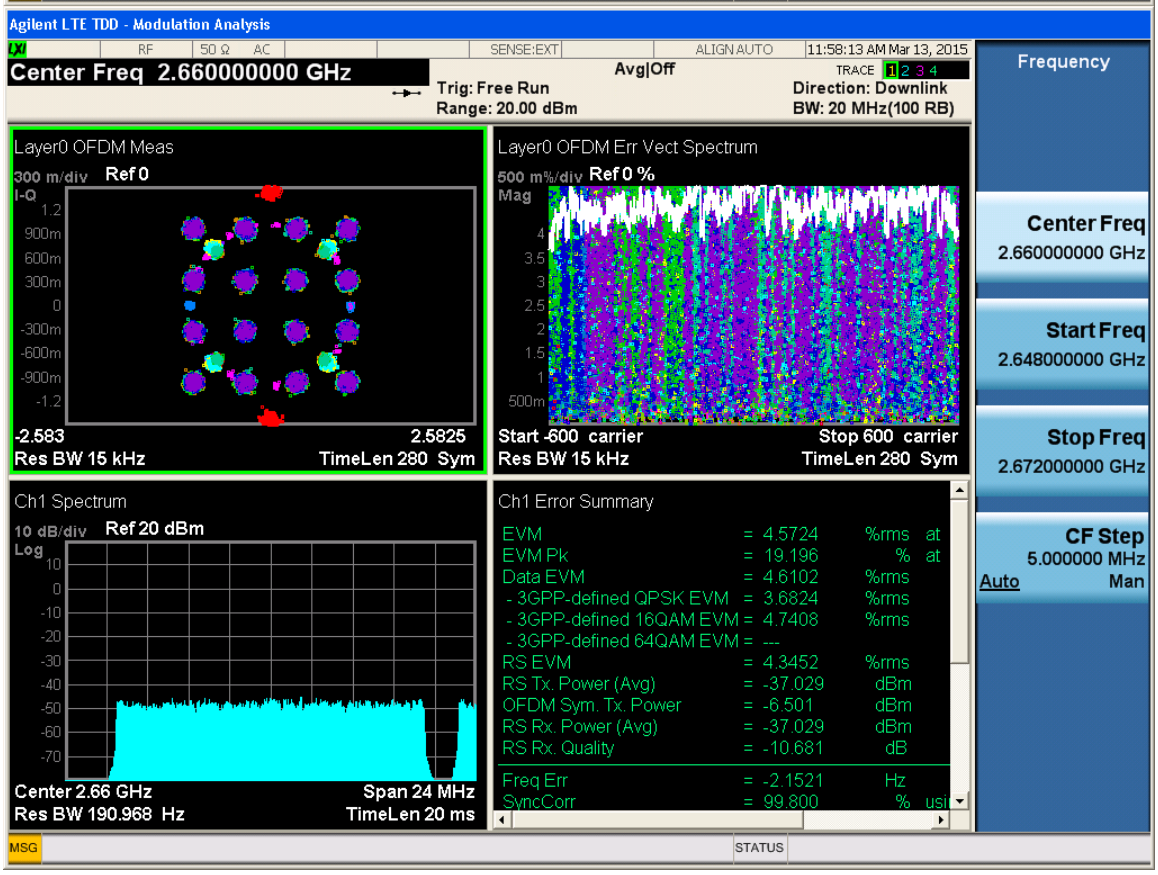

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:47:04 AM Mar 13, 2015
Center Freq 2.650000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.650000000 GHz
Start Freq
2.638000000 GHz
Stop Freq
2.662000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.65 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6295 %rms at
EVM Pk = 17.408 % at
Data EVM = 4.6572 %rms
- 3GPP-defined QPSK EVM = 3.6923 %rms
- 3GPP-defined 16QAM EVM = 4.7467 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.4024 %rms
RS Tx. Power (Avg) = -37.065 dBm
OFDM Sym. Tx. Power = -6.565 dBm
RS Rx. Power (Avg) = -37.065 dBm
RS Rx. Quality = -10.671 dB
Freq Err = -1.2610 Hz
SyncCorr = 99.591 %
MSG
STATUS

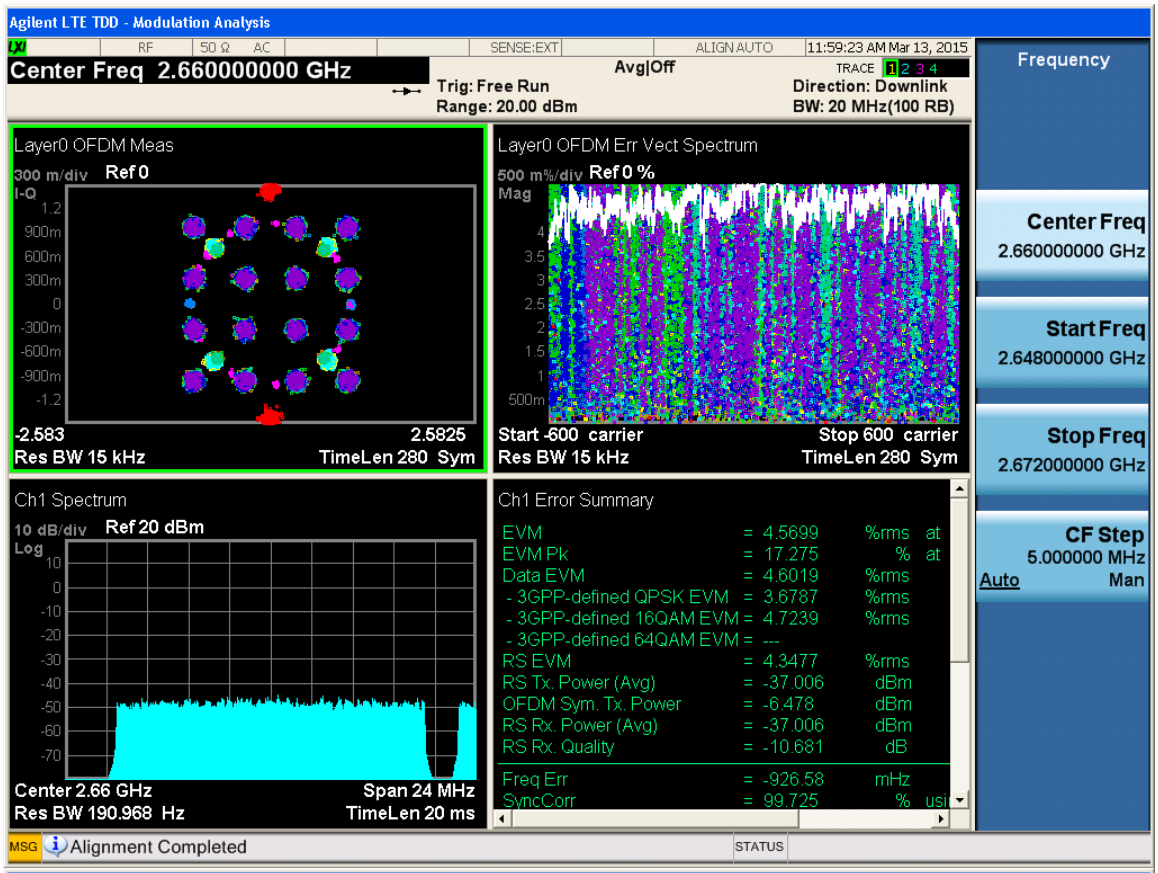

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:48:03 AM Mar 13, 2015
Center Freq 2.650000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.650000000 GHz
Start Freq
2.638000000 GHz
Stop Freq
2.662000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.65 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6127 %rms at
EVM Pk = 18.487 % at
Data EVM = 4.6402 %rms
- 3GPP-defined QPSK EVM = 3.6815 %rms
- 3GPP-defined 16QAM EVM = 4.7226 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3830 %rms
RS Tx. Power (Avg) = -37.047 dBm
OFDM Sym. Tx. Power = -6.548 dBm
RS Rx. Power (Avg) = -37.047 dBm
RS Rx. Quality = -10.67 dB
Freq Err = -1.0497 Hz
SyncCorr = 99.729 %
MSG
STATUS

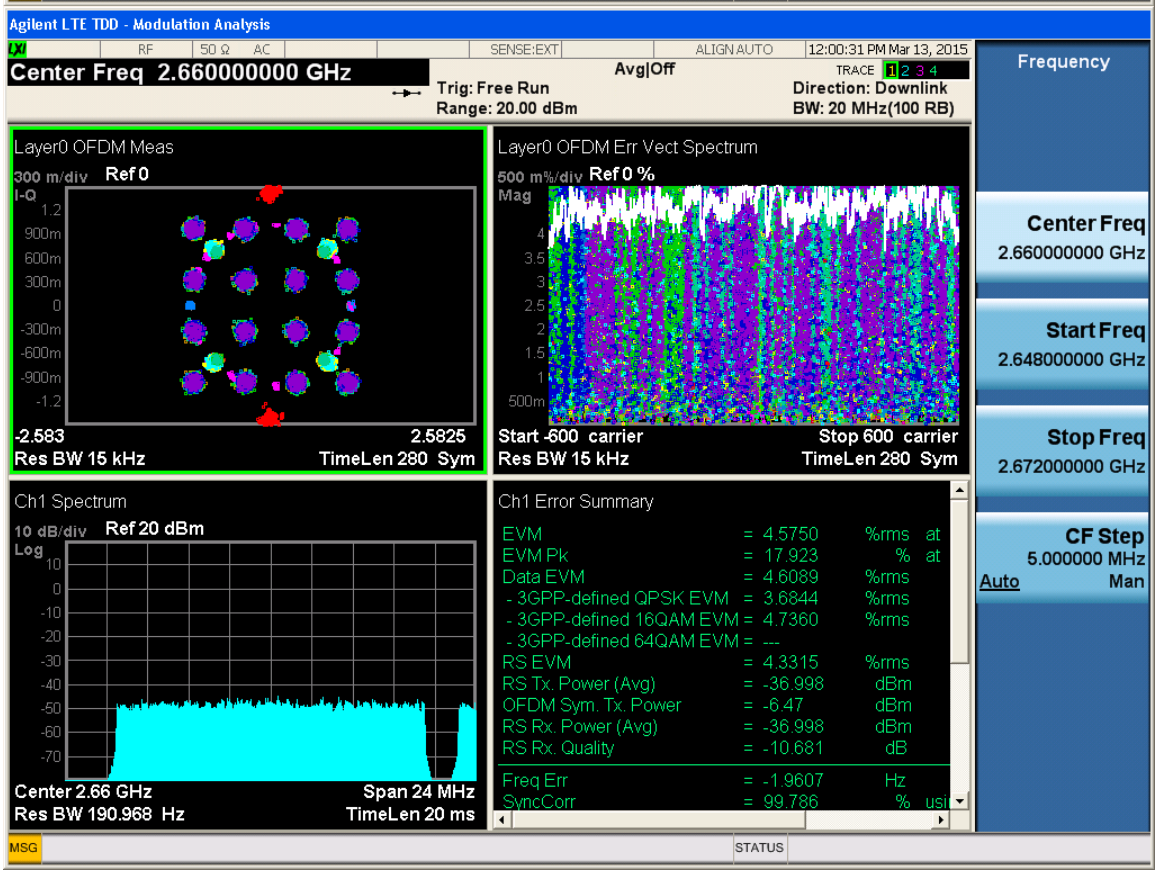

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:50:11 AM Mar 13, 2015
Center Freq 2.650000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.650000000 GHz
Start Freq
2.638000000 GHz
Stop Freq
2.662000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.65 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6310 %rms at
EVM Pk = 17.436 % at
Data EVM = 4.6582 %rms
- 3GPP-defined QPSK EVM = 3.6870 %rms
- 3GPP-defined 16QAM EVM = 4.7514 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.4064 %rms
RS Tx. Power (Avg) = -37.025 dBm
OFDM Sym. Tx. Power = -6.526 dBm
RS Rx. Power (Avg) = -37.025 dBm
RS Rx. Quality = -10.67 dB
Freq Err = -1.5343 Hz
SyncCorr = 99.774 %
MSG
STATUS

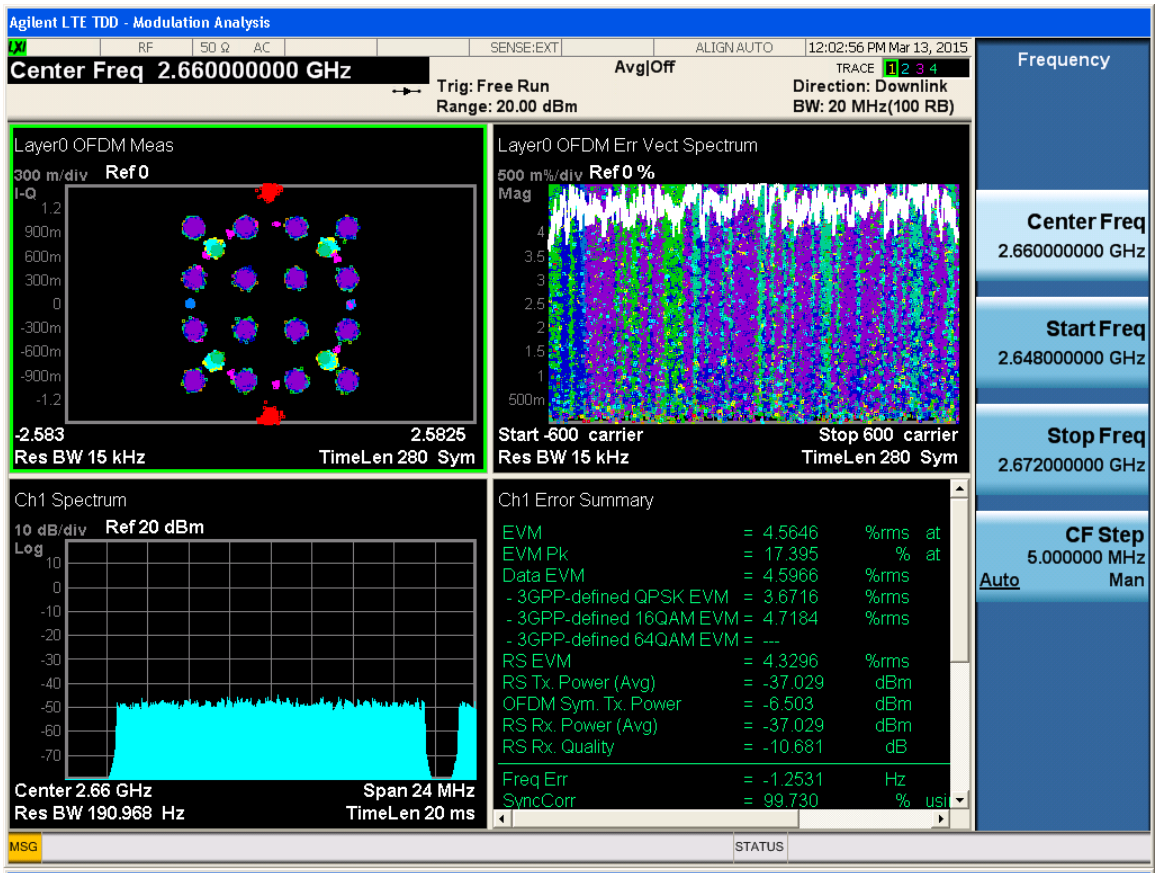

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:40:47 AM Mar 13, 2015
Center Freq 2.650000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.650000000 GHz
Start Freq
2.638000000 GHz
Stop Freq
2.662000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.65 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6153 %rms at
EVM Pk = 17.334 % at
Data EVM = 4.6436 %rms
- 3GPP-defined QPSK EVM = 3.6781 %rms
- 3GPP-defined 16QAM EVM = 4.7259 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3688 %rms
RS Tx. Power (Avg) = -37.031 dBm
OFDM Sym. Tx. Power = -6.532 dBm
RS Rx. Power (Avg) = -37.031 dBm
RS Rx. Quality = -10.671 dB
Freq Err = -2.0733 Hz
SyncCorr = 99.782 %
MSG
STATUS

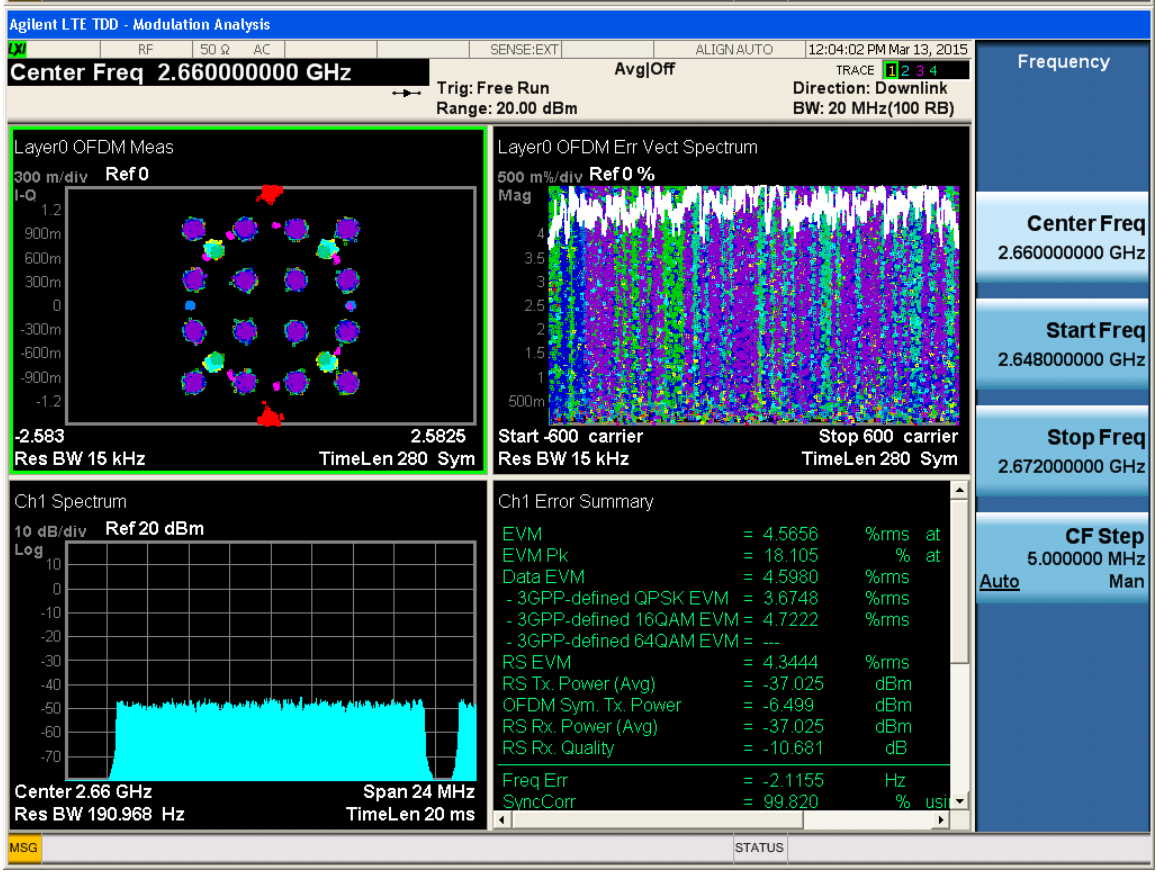

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:42:16 AM Mar 13, 2015
Center Freq 2.650000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.650000000 GHz
Start Freq
2.638000000 GHz
Stop Freq
2.662000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.65 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.6301 %rms at
EVM Pk = 17.819 % at
Data EVM = 4.6591 %rms
- 3GPP-defined QPSK EVM = 3.6895 %rms
- 3GPP-defined 16QAM EVM = 4.7494 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3810 %rms
RS Tx. Power (Avg) = -37.023 dBm
OFDM Sym. Tx. Power = -6.523 dBm
RS Rx. Power (Avg) = -37.023 dBm
RS Rx. Quality = -10.672 dB
Freq Err = -1.0572 Hz
SyncCorr = 99.764 %
MSG
STATUS

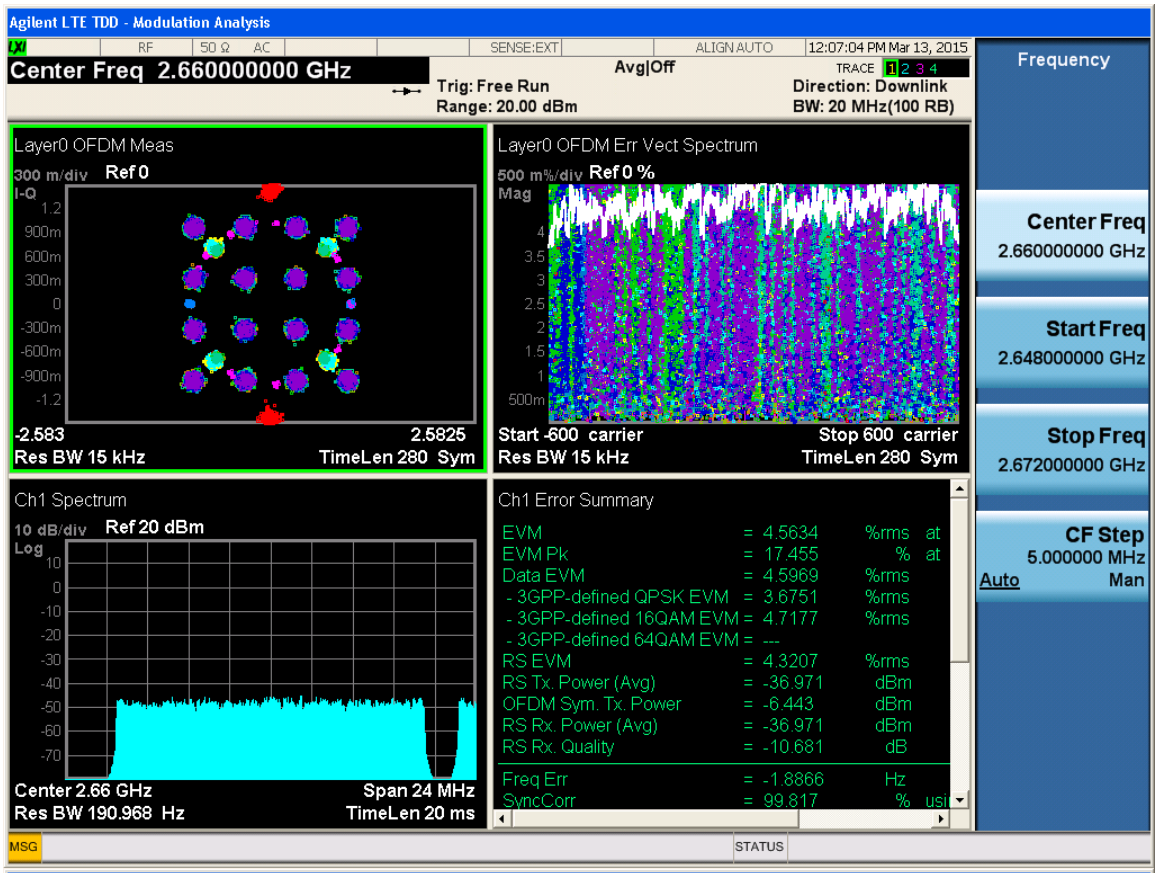

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:58:13 AM Mar 13, 2015
Center Freq 2.660000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.660000000 GHz
Start Freq
2.648000000 GHz
Stop Freq
2.672000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.66 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5724 %rms at
EVM Pk = 19.196 % at
Data EVM = 4.6102 %rms
- 3GPP-defined QPSK EVM = 3.6824 %rms
- 3GPP-defined 16QAM EVM = 4.7408 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3452 %rms
RS Tx. Power (Avg) = -37.029 dBm
OFDM Sym. Tx. Power = -6.501 dBm
RS Rx. Power (Avg) = -37.029 dBm
RS Rx. Quality = -10.681 dB
Freq Err = -2.1521 Hz
SyncCorr = 99.800 %
MSG
STATUS

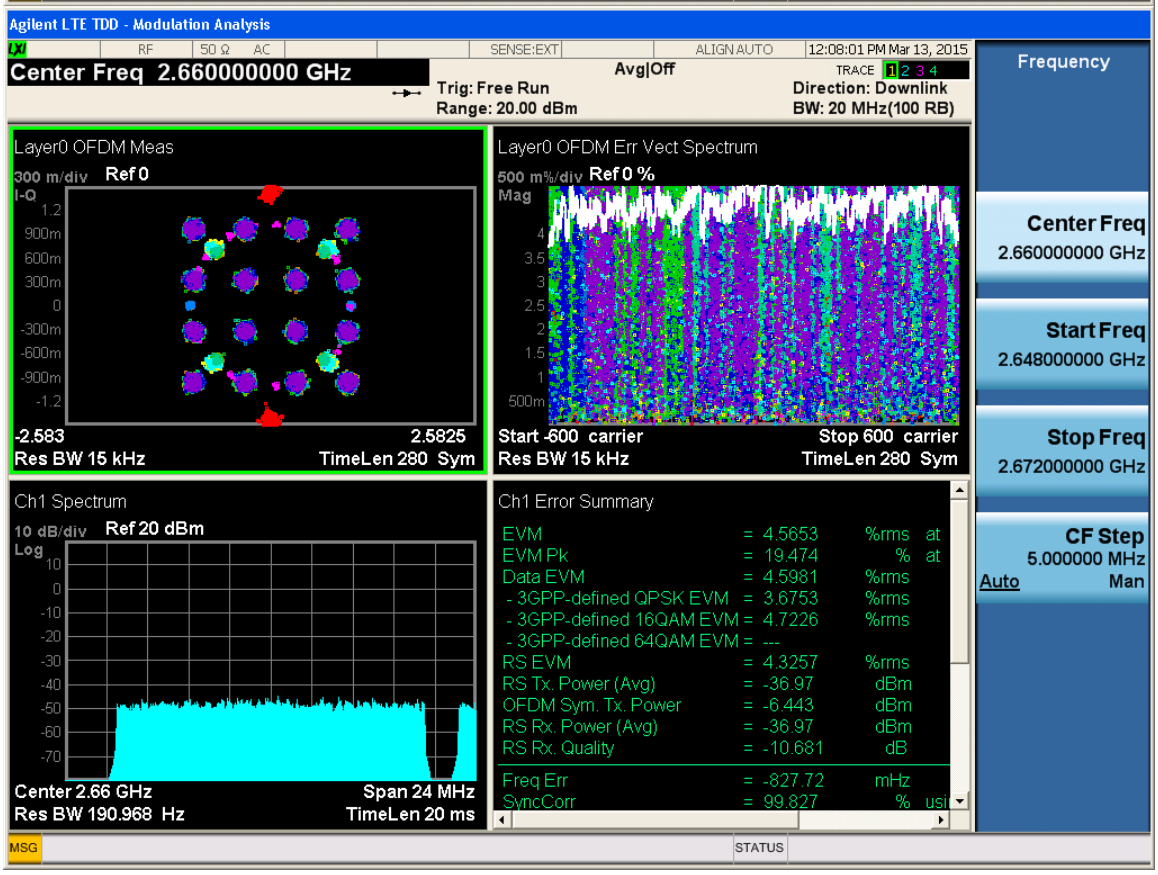

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:59:23 AM Mar 13, 2015
Center Freq 2.660000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.660000000 GHz
Start Freq
2.648000000 GHz
Stop Freq
2.672000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.66 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5699 %rms at
EVM Pk = 17.275 % at
Data EVM = 4.6019 %rms
- 3GPP-defined QPSK EVM = 3.6787 %rms
- 3GPP-defined 16QAM EVM = 4.7239 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3477 %rms
RS Tx. Power (Avg) = -37.006 dBm
OFDM Sym. Tx. Power = -6.478 dBm
RS Rx. Power (Avg) = -37.006 dBm
RS Rx. Quality = -10.681 dB
Freq Err = -926.58 mHz
SyncCorr = 99.725 %
MSG
Alignment Completed
STATUS

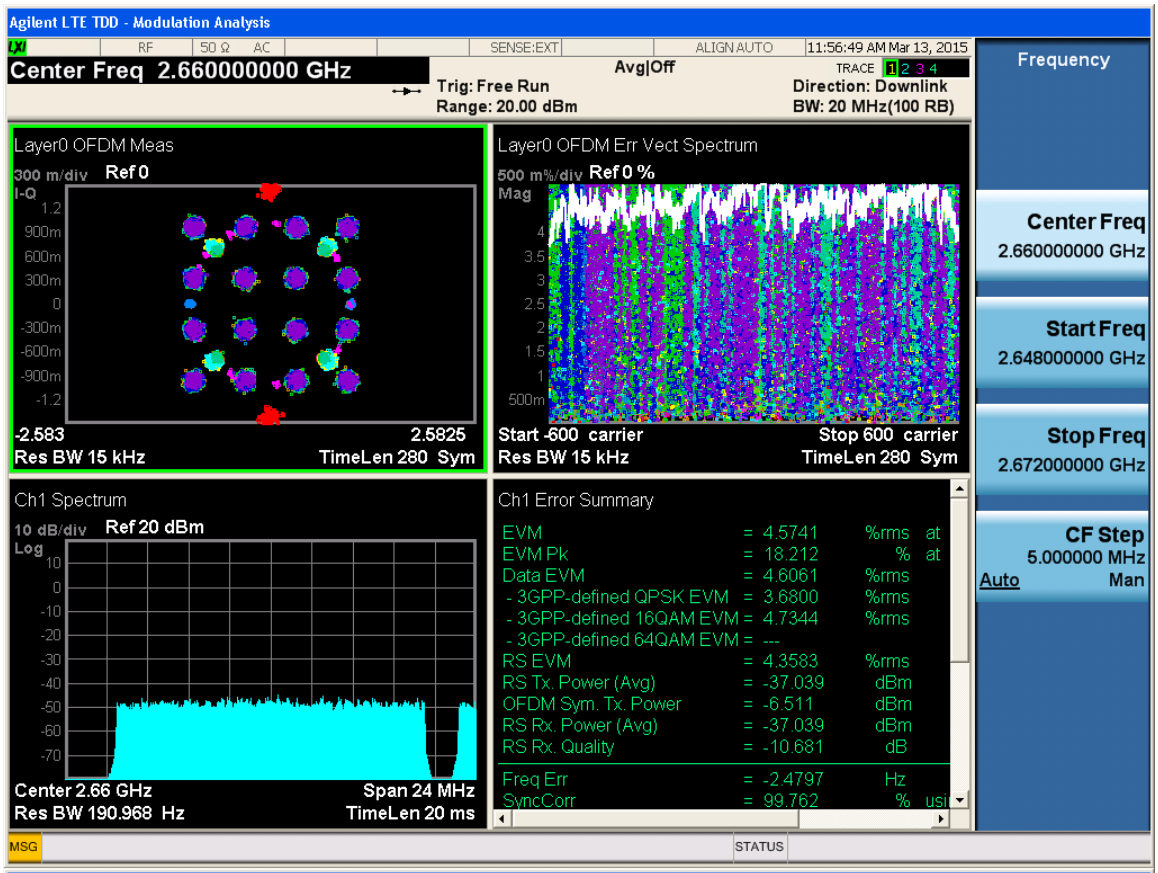

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:00:31 PM Mar 13, 2015
Center Freq 2.660000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.660000000 GHz
Start Freq
2.648000000 GHz
Stop Freq
2.672000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.66 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5750 %rms at
EVM Pk = 17.923 % at
Data EVM = 4.6089 %rms
- 3GPP-defined QPSK EVM = 3.6844 %rms
- 3GPP-defined 16QAM EVM = 4.7360 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3315 %rms
RS Tx. Power (Avg) = -36.998 dBm
OFDM Sym. Tx. Power = -6.47 dBm
RS Rx. Power (Avg) = -36.998 dBm
RS Rx. Quality = -10.681 dB
Freq Err = -1.9607 Hz
SyncCorr = 99.786 %
MSG
STATUS

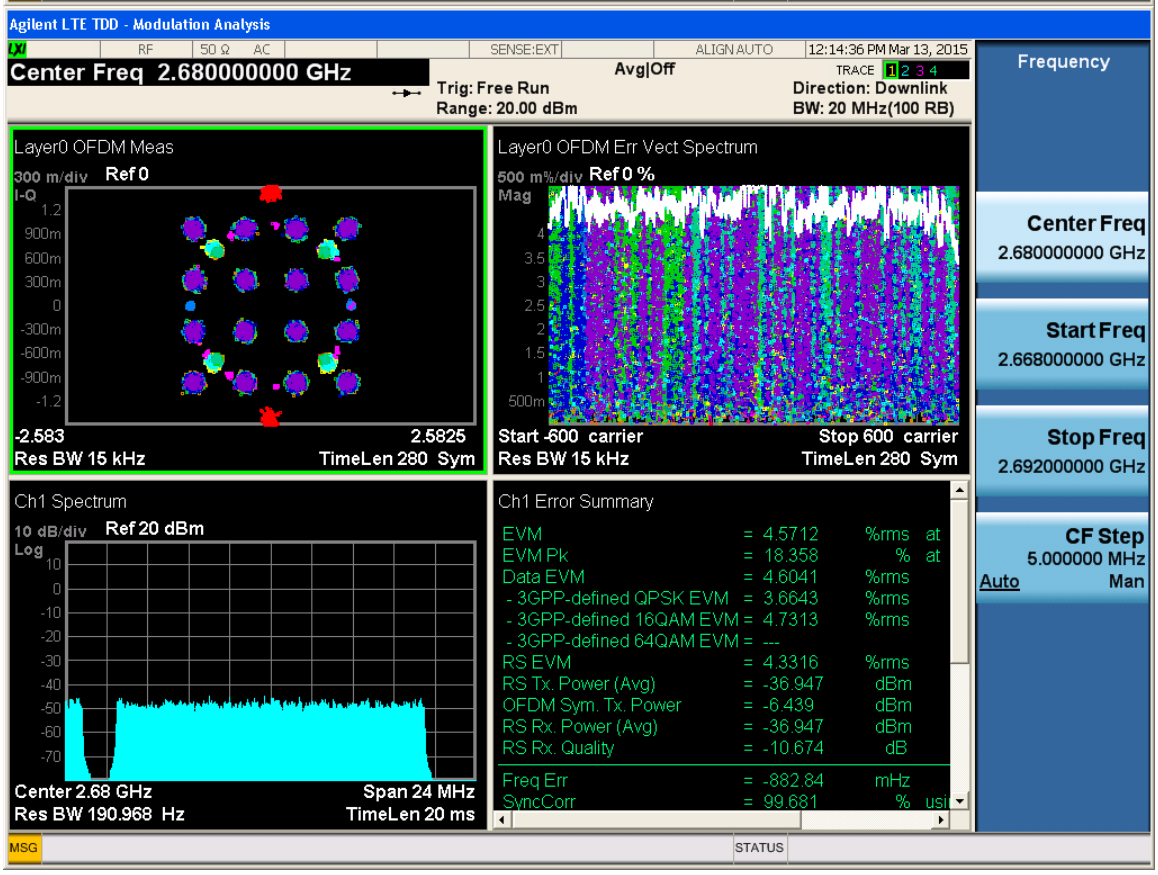

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:02:56 PM Mar 13, 2015
Center Freq 2.660000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.660000000 GHz
Start Freq
2.648000000 GHz
Stop Freq
2.672000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.66 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5646 %rms at
EVM Pk = 17.395 % at
Data EVM = 4.5966 %rms
- 3GPP-defined QPSK EVM = 3.6716 %rms
- 3GPP-defined 16QAM EVM = 4.7184 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3296 %rms
RS Tx. Power (Avg) = -37.029 dBm
OFDM Sym. Tx. Power = -6.503 dBm
RS Rx. Power (Avg) = -37.029 dBm
RS Rx. Quality = -10.681 dB
Freq Err = -1.2531 Hz
SyncCorr = 99.730 %
MSG
STATUS

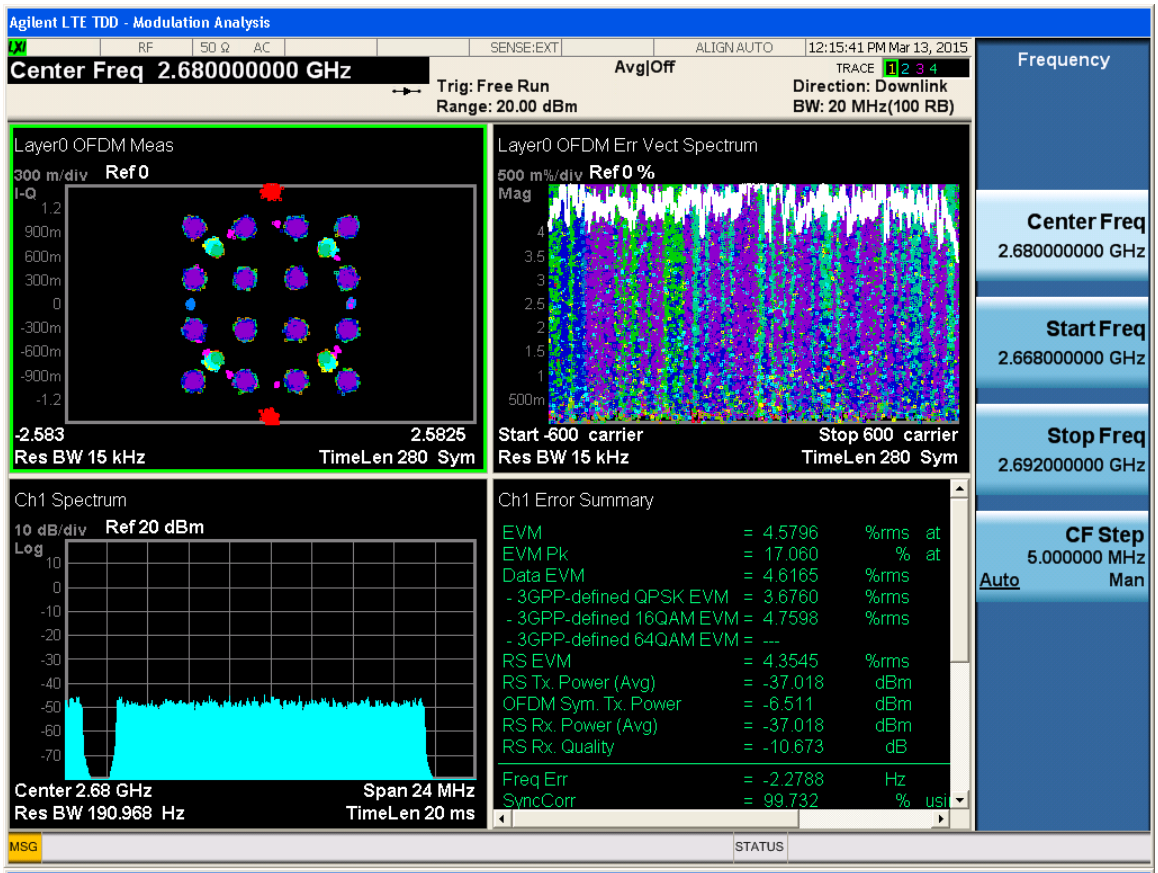

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:04:02 PM Mar 13, 2015
Center Freq 2.660000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.660000000 GHz
Start Freq
2.648000000 GHz
Stop Freq
2.672000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.66 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5656 %rms at
EVM Pk = 18.105 % at
Data EVM = 4.5980 %rms
- 3GPP-defined QPSK EVM = 3.6748 %rms
- 3GPP-defined 16QAM EVM = 4.7222 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3444 %rms
RS Tx. Power (Avg) = -37.025 dBm
OFDM Sym. Tx. Power = -6.499 dBm
RS Rx. Power (Avg) = -37.025 dBm
RS Rx. Quality = -10.681 dB
Freq Err = -2.1155 Hz
SyncCorr = 99.820 %
MSG
STATUS

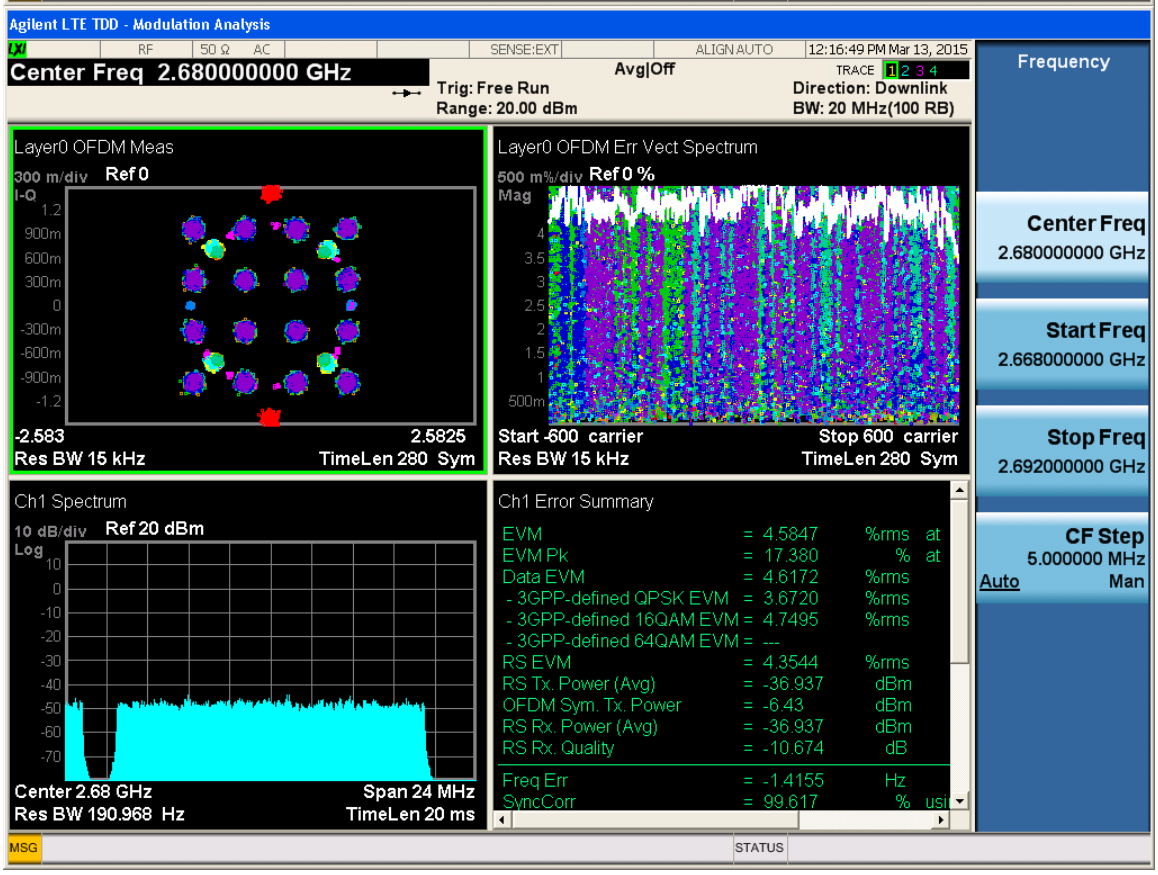

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:07:04 PM Mar 13, 2015
Center Freq 2.660000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.660000000 GHz
Start Freq
2.648000000 GHz
Stop Freq
2.672000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.66 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5634 %rms at
EVM Pk = 17.455 % at
Data EVM = 4.5969 %rms
- 3GPP-defined QPSK EVM = 3.6751 %rms
- 3GPP-defined 16QAM EVM = 4.7177 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3207 %rms
RS Tx. Power (Avg) = -36.971 dBm
OFDM Sym. Tx. Power = -6.443 dBm
RS Rx. Power (Avg) = -36.971 dBm
RS Rx. Quality = -10.681 dB
Freq Err = -1.8866 Hz
SyncCorr = 99.817 %
MSG
STATUS

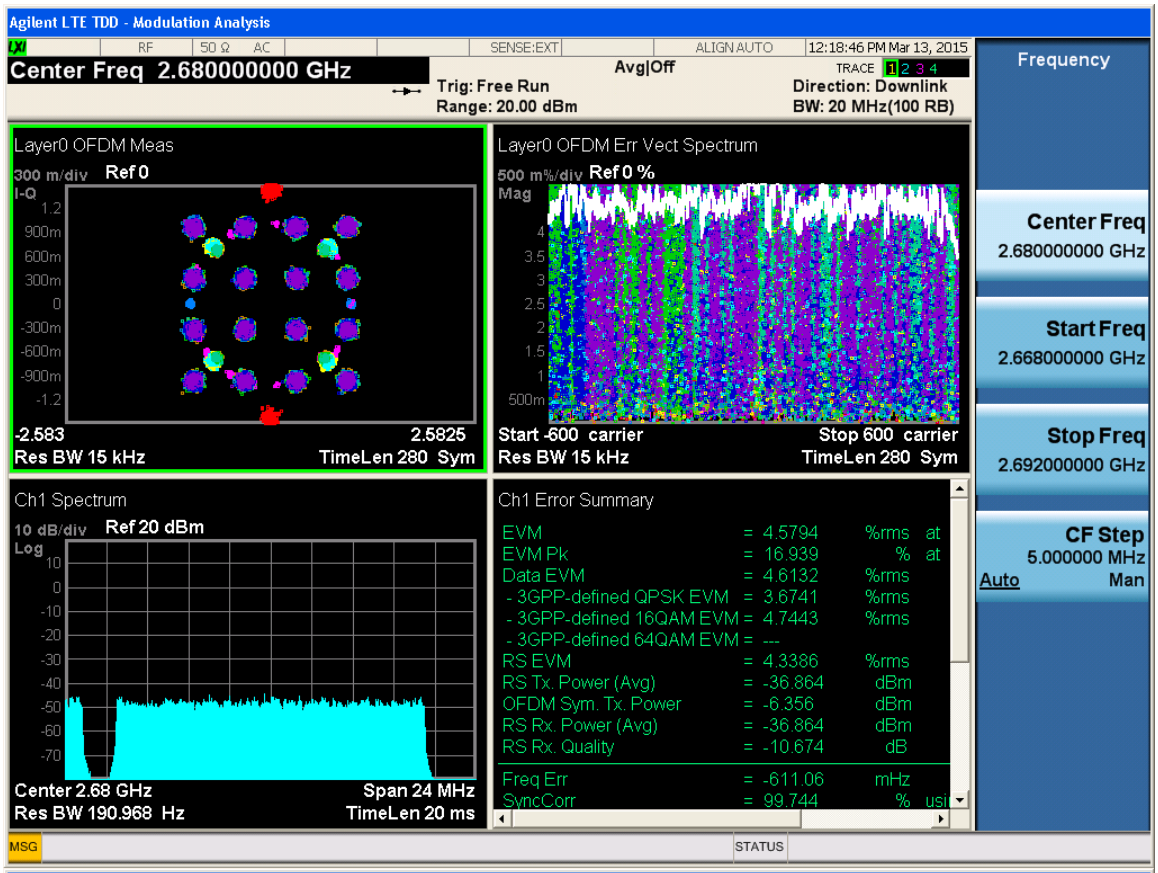

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:08:01 PM Mar 13, 2015
Center Freq 2.660000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.660000000 GHz
Start Freq
2.648000000 GHz
Stop Freq
2.672000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.66 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5653 %rms at
EVM Pk = 19.474 % at
Data EVM = 4.5981 %rms
- 3GPP-defined QPSK EVM = 3.6753 %rms
- 3GPP-defined 16QAM EVM = 4.7226 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3257 %rms
RS Tx. Power (Avg) = -36.97 dBm
OFDM Sym. Tx. Power = -6.443 dBm
RS Rx. Power (Avg) = -36.97 dBm
RS Rx. Quality = -10.681 dB
Freq Err = -827.72 mHz
SyncCorr = 99.827 %
MSG
STATUS

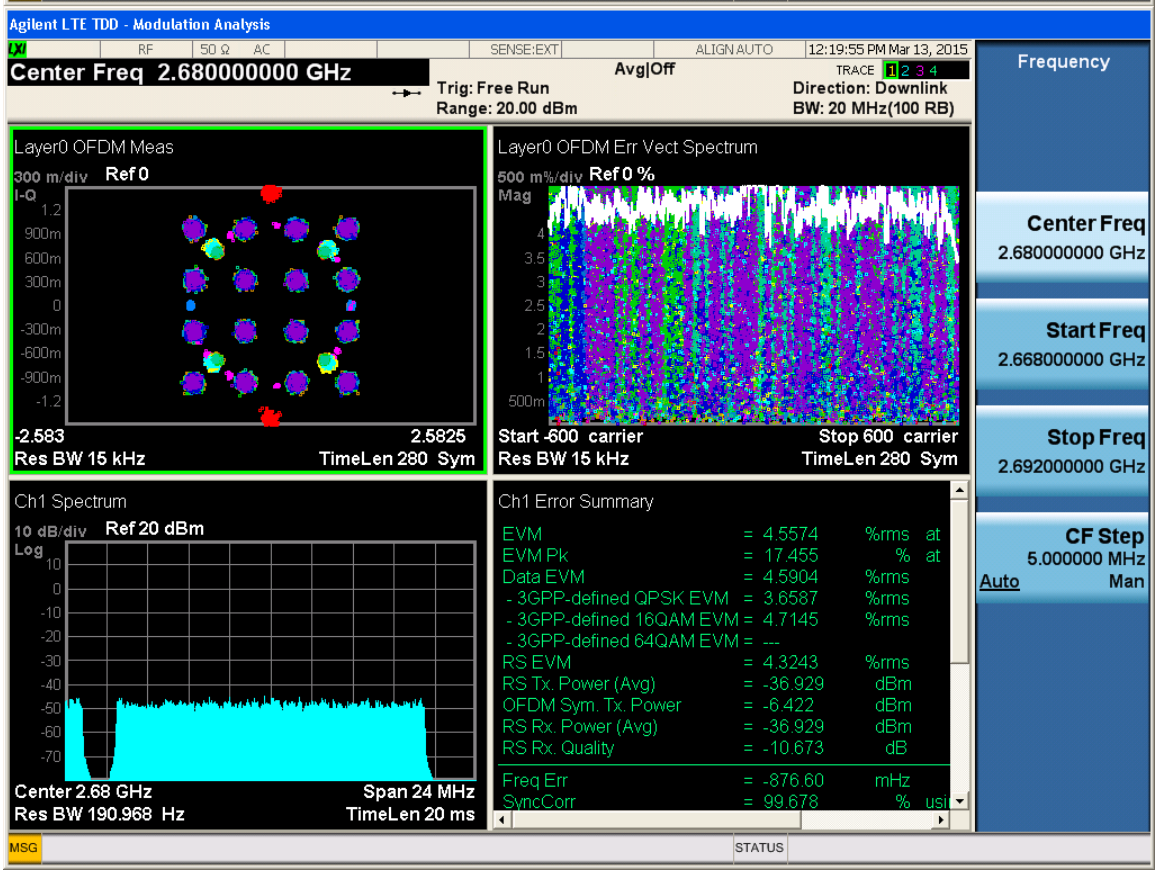

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
11:56:49 AM Mar 13, 2015
Center Freq 2.660000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.660000000 GHz
Start Freq
2.648000000 GHz
Stop Freq
2.672000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.66 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5741 %rms at
EVM Pk = 18.212 % at
Data EVM = 4.6061 %rms
- 3GPP-defined QPSK EVM = 3.6800 %rms
- 3GPP-defined 16QAM EVM = 4.7344 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3583 %rms
RS Tx. Power (Avg) = -37.039 dBm
OFDM Sym. Tx. Power = -6.511 dBm
RS Rx. Power (Avg) = -37.039 dBm
RS Rx. Quality = -10.681 dB
Freq Err = -2.4797 Hz
SyncCorr = 99.762 %
MSG
STATUS

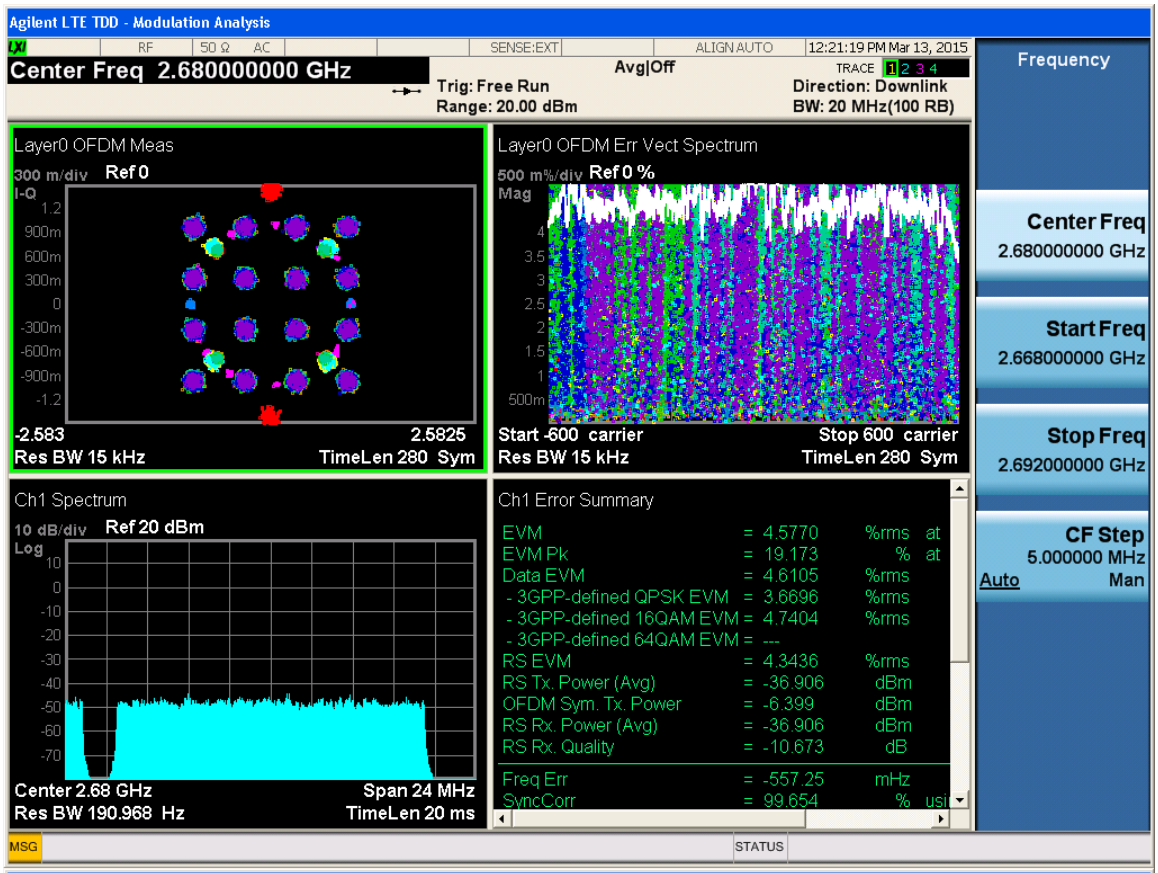

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:14:36 PM Mar 13, 2015
Center Freq 2.680000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.680000000 GHz
Start Freq
2.668000000 GHz
Stop Freq
2.692000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.68 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5712 %rms at
EVM Pk = 18.358 % at
Data EVM = 4.6041 %rms
- 3GPP-defined QPSK EVM = 3.6643 %rms
- 3GPP-defined 16QAM EVM = 4.7313 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3316 %rms
RS Tx. Power (Avg) = -36.947 dBm
OFDM Sym. Tx. Power = -6.439 dBm
RS Rx. Power (Avg) = -36.947 dBm
RS Rx. Quality = -10.674 dB
Freq Err = -882.84 mHz
SyncCorr = 99.681 %
MSG
STATUS

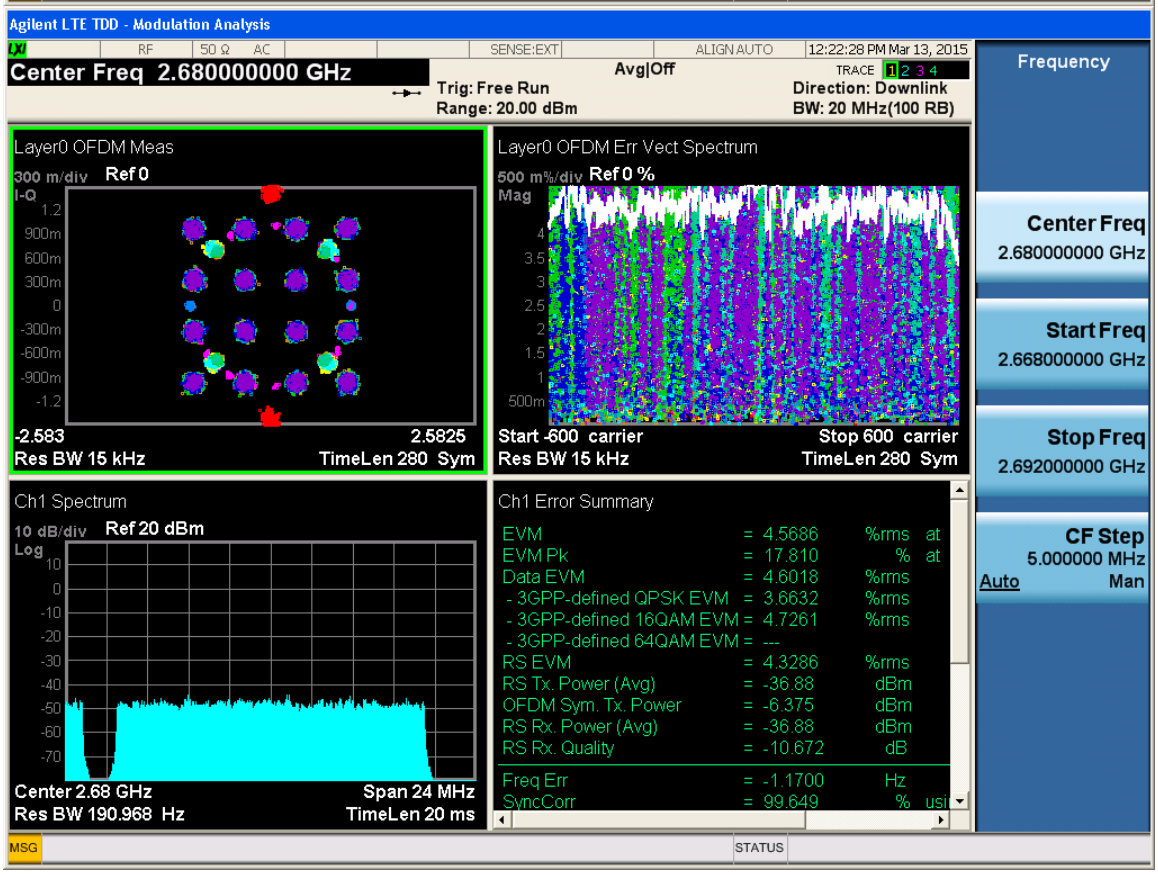

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:15:41 PM Mar 13, 2015
Center Freq 2.680000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.680000000 GHz
Start Freq
2.668000000 GHz
Stop Freq
2.692000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.68 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5796 %rms at
EVM Pk = 17.060 % at
Data EVM = 4.6165 %rms
- 3GPP-defined QPSK EVM = 3.6760 %rms
- 3GPP-defined 16QAM EVM = 4.7598 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3545 %rms
RS Tx. Power (Avg) = -37.018 dBm
OFDM Sym. Tx. Power = -6.511 dBm
RS Rx. Power (Avg) = -37.018 dBm
RS Rx. Quality = -10.673 dB
Freq Err = -2.2788 Hz
SyncCorr = 99.732 %
MSG
STATUS

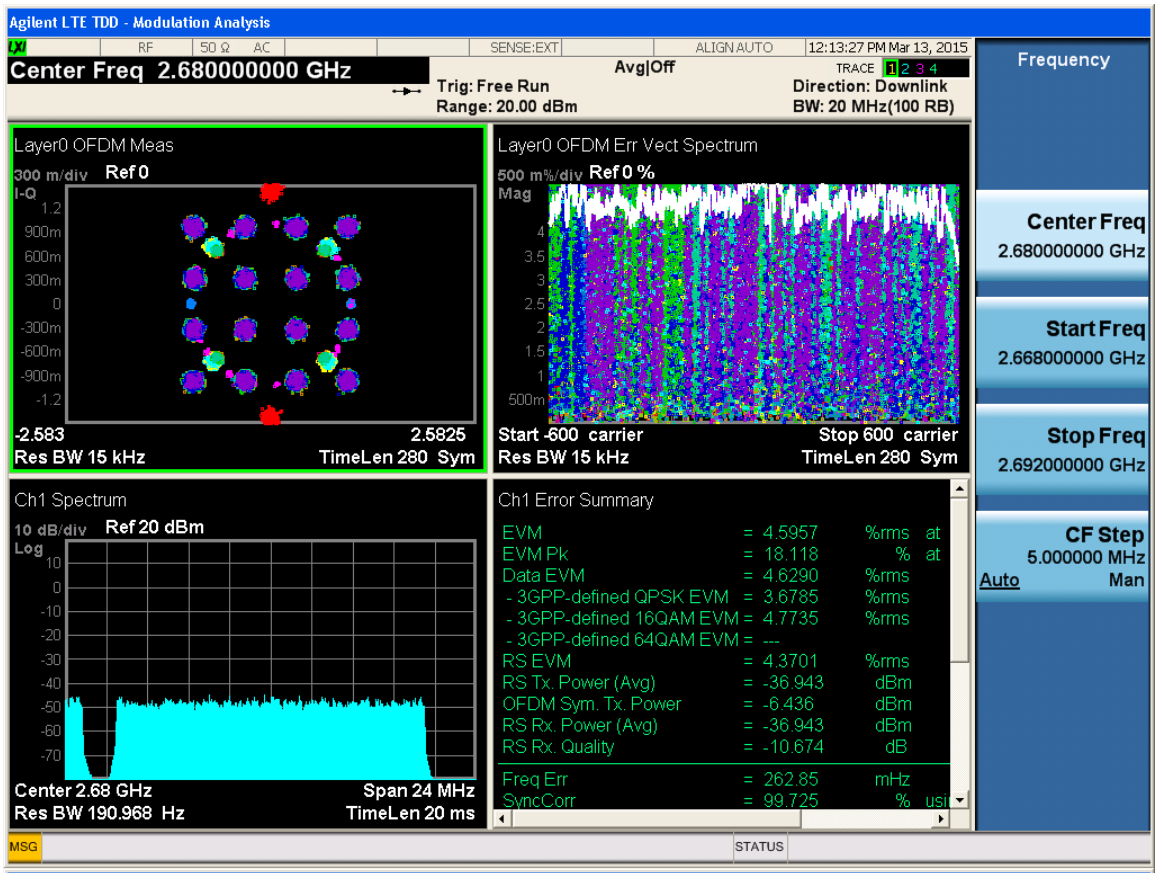

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:16:49 PM Mar 13, 2015
Center Freq 2.680000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.680000000 GHz
Start Freq
2.668000000 GHz
Stop Freq
2.692000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.68 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5847 %rms at
EVM Pk = 17.380 % at
Data EVM = 4.6172 %rms
- 3GPP-defined QPSK EVM = 3.6720 %rms
- 3GPP-defined 16QAM EVM = 4.7495 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3544 %rms
RS Tx. Power (Avg) = -36.937 dBm
OFDM Sym. Tx. Power = -6.43 dBm
RS Rx. Power (Avg) = -36.937 dBm
RS Rx. Quality = -10.674 dB
Freq Err = -1.4155 Hz
SyncCorr = 99.617 %
MSG
STATUS

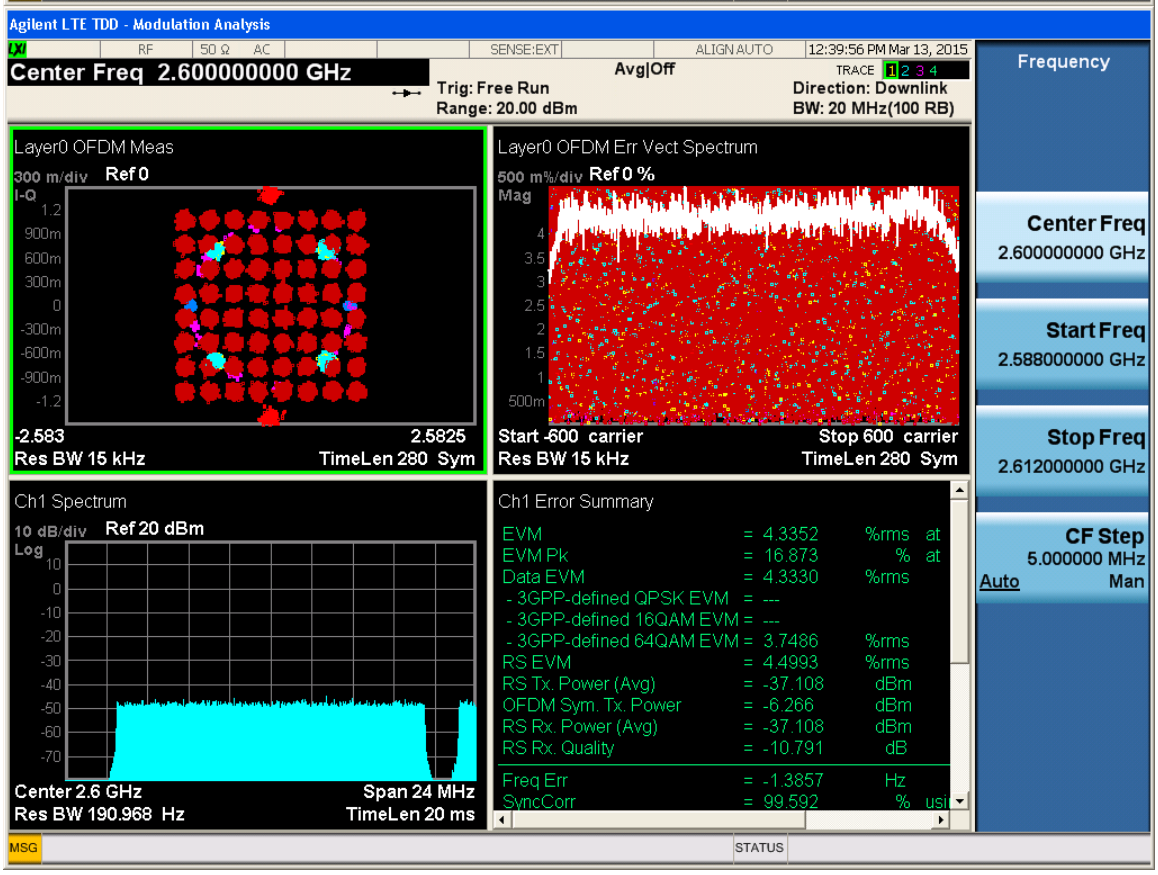

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:18:46 PM Mar 13, 2015
Center Freq 2.680000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.680000000 GHz
Start Freq
2.668000000 GHz
Stop Freq
2.692000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.68 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5794 %rms at
EVM Pk = 16.939 % at
Data EVM = 4.6132 %rms
- 3GPP-defined QPSK EVM = 3.6741 %rms
- 3GPP-defined 16QAM EVM = 4.7443 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3386 %rms
RS Tx. Power (Avg) = -36.864 dBm
OFDM Sym. Tx. Power = -6.356 dBm
RS Rx. Power (Avg) = -36.864 dBm
RS Rx. Quality = -10.674 dB
Freq Err = -611.06 mHz
SyncCorr = 99.744 %
MSG
STATUS

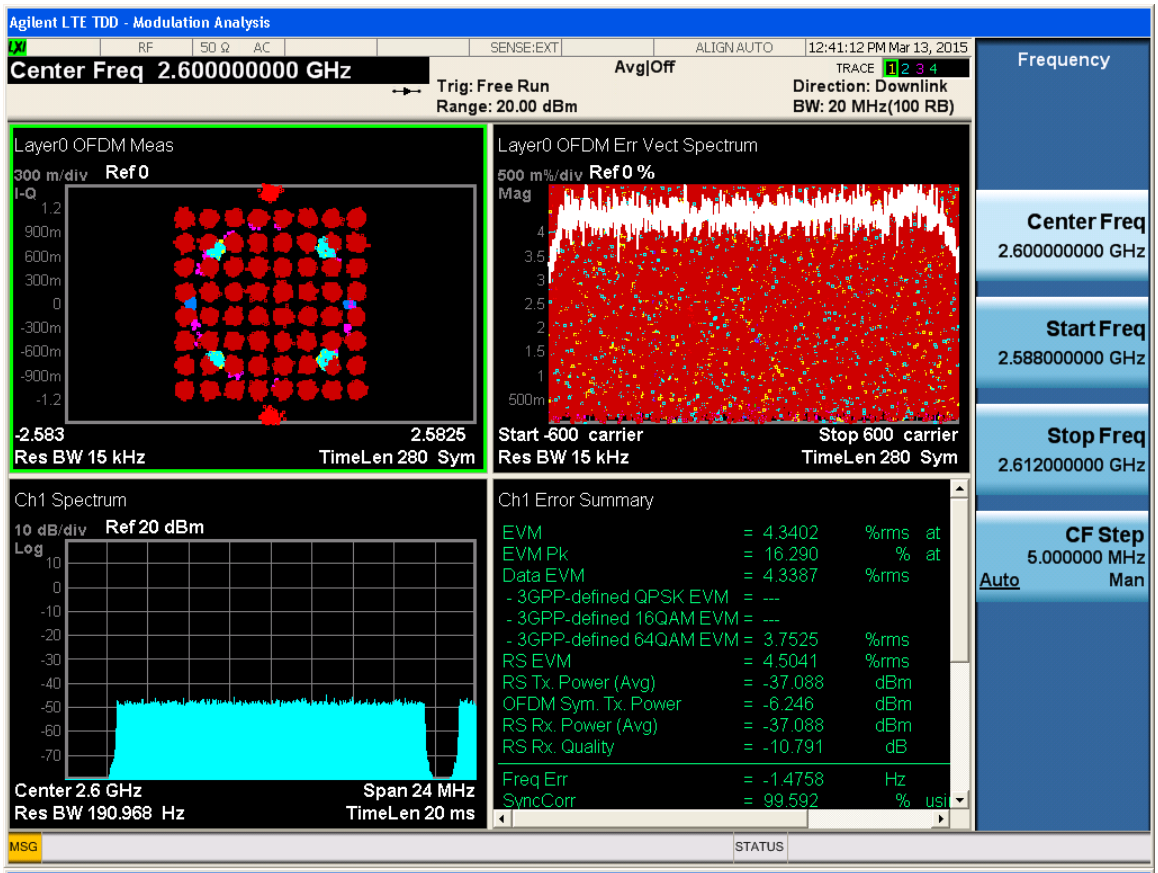

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:19:55 PM Mar 13, 2015
Center Freq 2.680000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.680000000 GHz
Start Freq
2.668000000 GHz
Stop Freq
2.692000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.68 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5574 %rms at
EVM Pk = 17.455 % at
Data EVM = 4.5904 %rms
- 3GPP-defined QPSK EVM = 3.6587 %rms
- 3GPP-defined 16QAM EVM = 4.7145 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3243 %rms
RS Tx. Power (Avg) = -36.929 dBm
OFDM Sym. Tx. Power = -6.422 dBm
RS Rx. Power (Avg) = -36.929 dBm
RS Rx. Quality = -10.673 dB
Freq Err = -876.60 mHz
SyncCorr = 99.678 %
MSG
STATUS

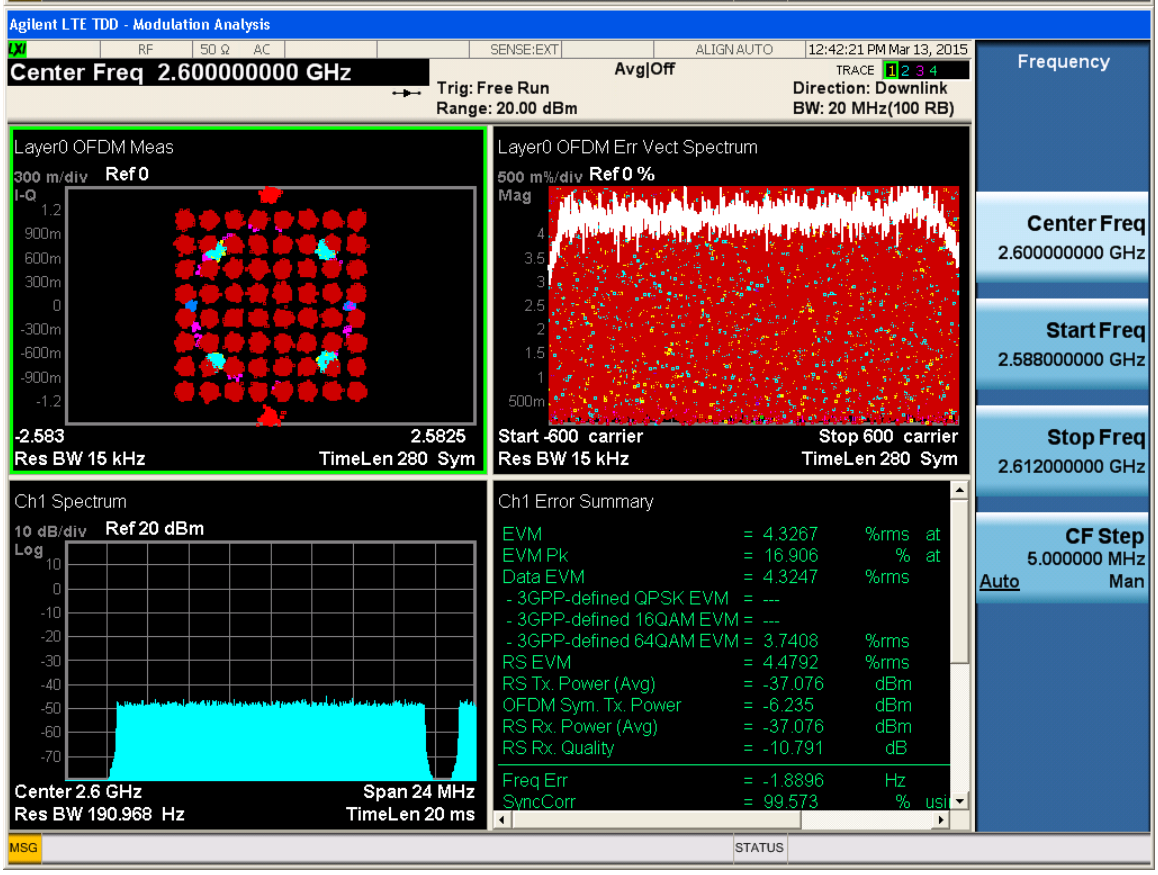

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:21:19 PM Mar 13, 2015
Center Freq 2.680000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.680000000 GHz
Start Freq
2.668000000 GHz
Stop Freq
2.692000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.68 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5770 %rms at
EVM Pk = 19.173 % at
Data EVM = 4.6105 %rms
- 3GPP-defined QPSK EVM = 3.6696 %rms
- 3GPP-defined 16QAM EVM = 4.7404 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3436 %rms
RS Tx. Power (Avg) = -36.906 dBm
OFDM Sym. Tx. Power = -6.399 dBm
RS Rx. Power (Avg) = -36.906 dBm
RS Rx. Quality = -10.673 dB
Freq Err = -557.25 mHz
SyncCorr = 99.654 %
MSG
STATUS

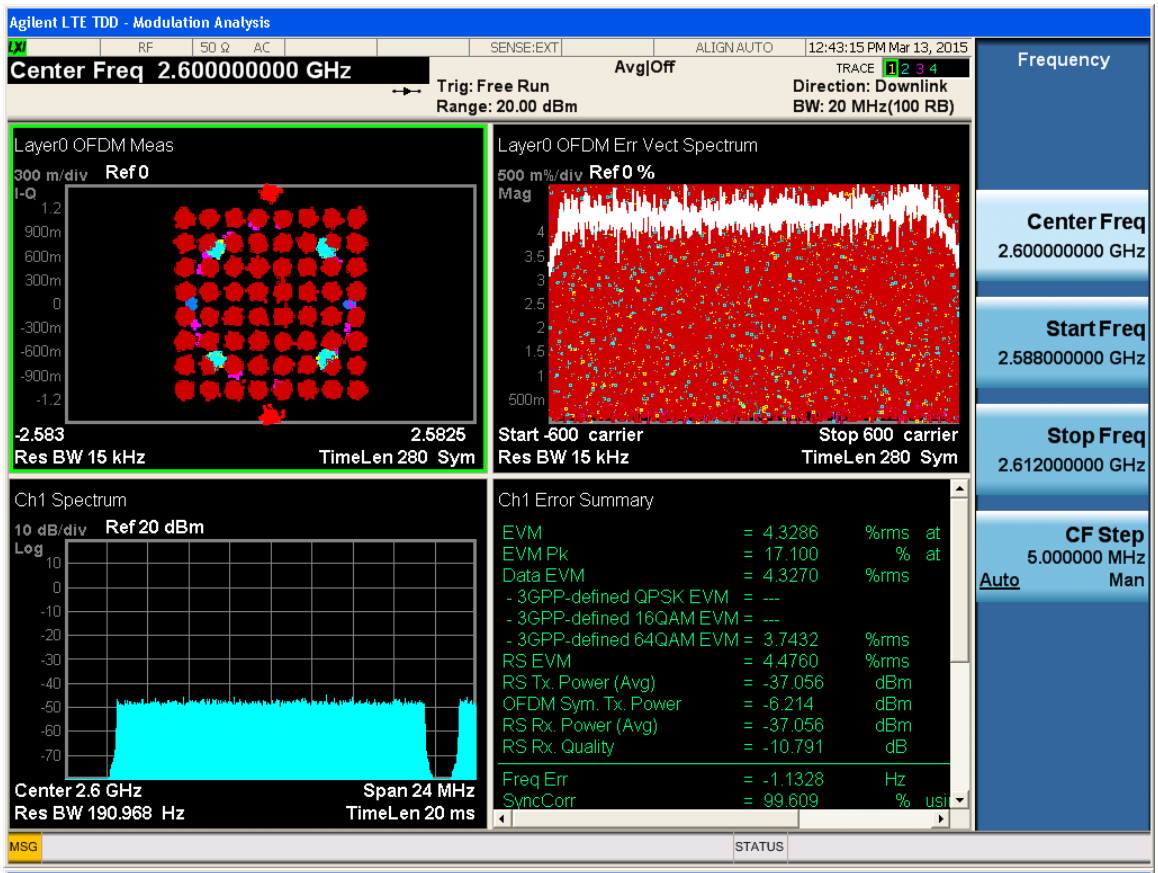

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:22:28 PM Mar 13, 2015
Center Freq 2.680000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.680000000 GHz
Start Freq
2.668000000 GHz
Stop Freq
2.692000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.68 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.5686 %rms at
EVM Pk = 17.810 % at
Data EVM = 4.6018 %rms
- 3GPP-defined QPSK EVM = 3.6632 %rms
- 3GPP-defined 16QAM EVM = 4.7261 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3286 %rms
RS Tx. Power (Avg) = -36.88 dBm
OFDM Sym. Tx. Power = -6.375 dBm
RS Rx. Power (Avg) = -36.88 dBm
RS Rx. Quality = -10.672 dB
Freq Err = -1.1700 Hz
SyncCorr = 99.649 %
MSG
STATUS

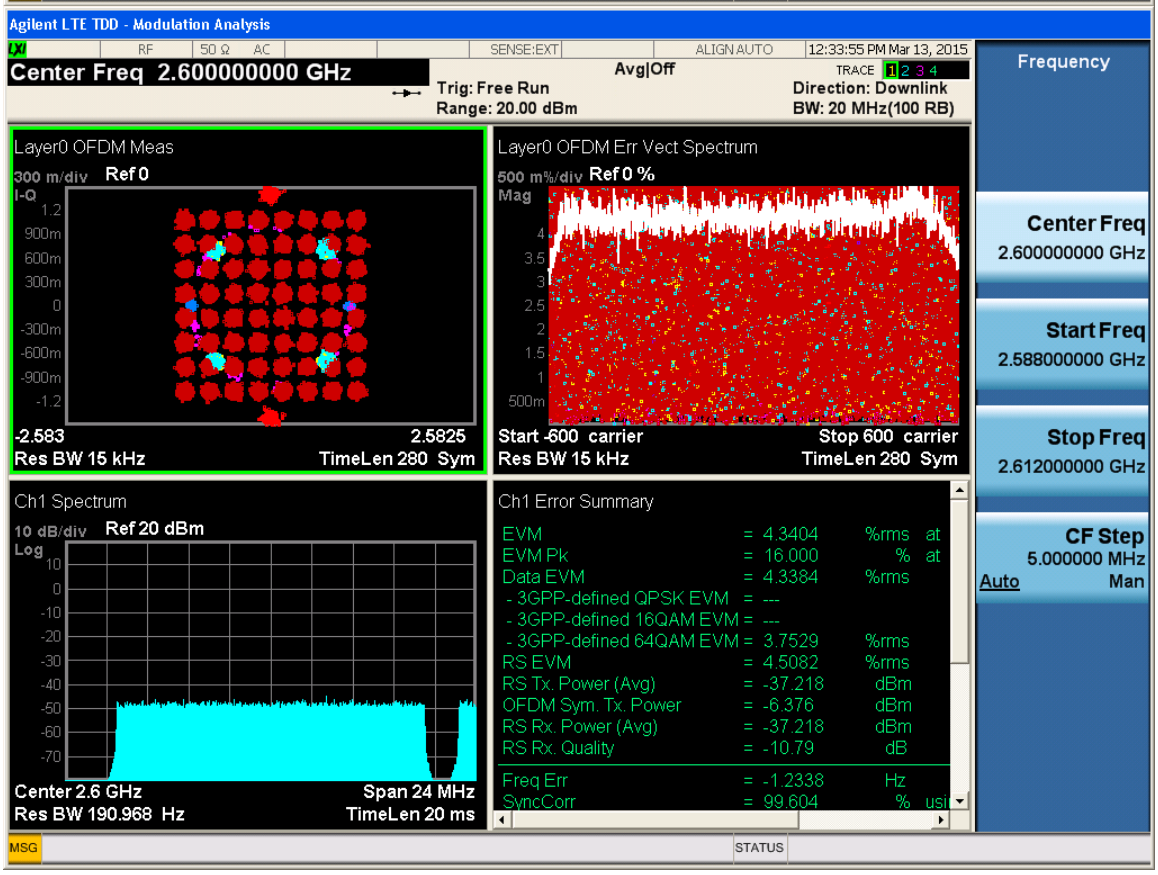

Agilent LTE TDD - Modulation Analysis
Center Freq 2.680000000 GHz
Trig: Free Run
Range: 20.00 dBm
Avg|Off
Direction: Downlink
BW: 20 MHz(100 RB)
12:13:27 PM Mar 13, 2015
Frequency
Center Freq 2.680000000 GHz
Start Freq 2.668000000 GHz
Stop Freq 2.692000000 GHz
CF Step 5.000000 MHz
Auto Man
Layer0 OFDM Meas
Layer0 OFDM Err Vect Spectrum
Ch1 Spectrum
Ch1 Error Summary
EVM = 4.5957 %rms at
EVM Pk = 18.118 % at
Data EVM = 4.6290 %rms
- 3GPP-defined QPSK EVM = 3.6785 %rms
- 3GPP-defined 16QAM EVM = 4.7735 %rms
- 3GPP-defined 64QAM EVM = ---
RS EVM = 4.3701 %rms
RS Tx. Power (Avg) = -36.943 dBm
OFDM Sym. Tx. Power = -6.436 dBm
RS Rx. Power (Avg) = -36.943 dBm
RS Rx. Quality = -10.674 dB
Freq Err = 262.85 mHz
SyncCorr = 99.725 %
MSG
STATUS

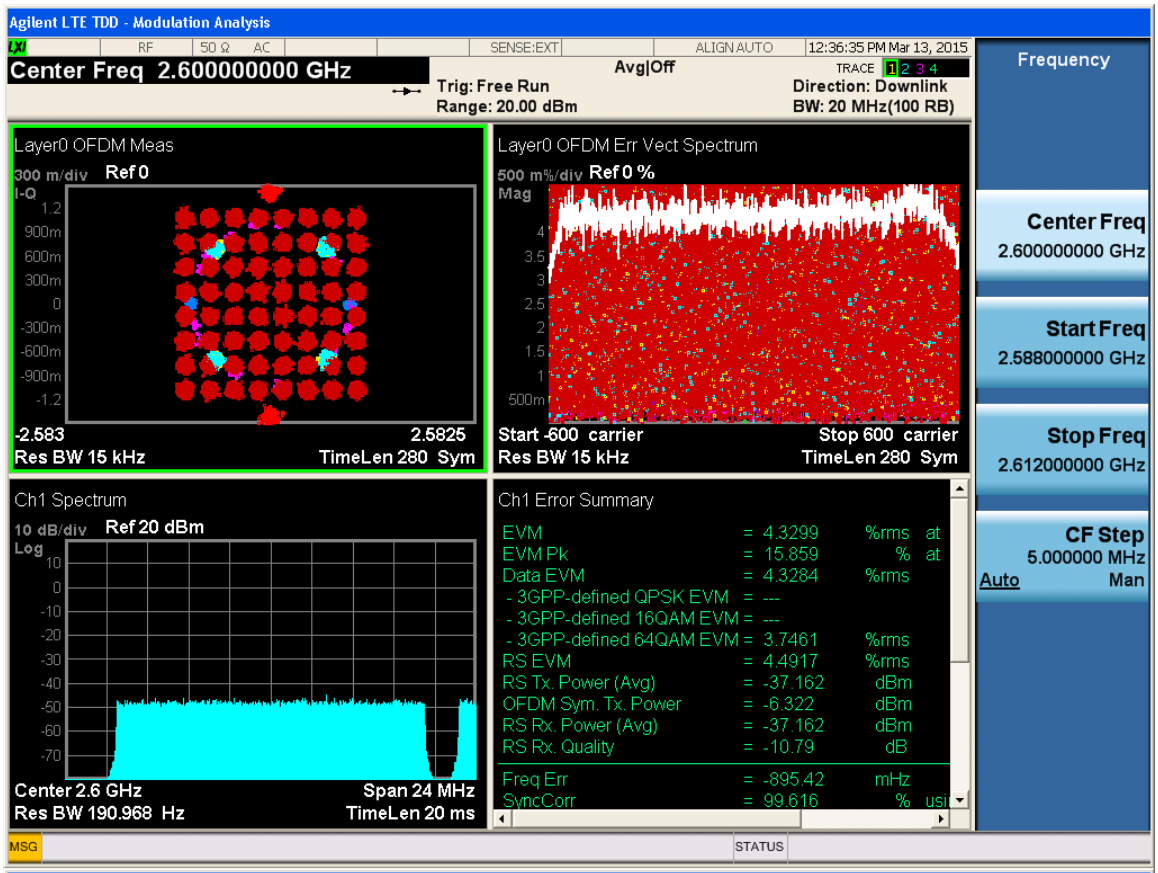

Agilent LTE TDD - Modulation Analysis
Center Freq 2.600000000 GHz
Trig: Free Run
Range: 20.00 dBm
Avg|Off
Direction: Downlink
BW: 20 MHz(100 RB)
12:39:56 PM Mar 13, 2015
Frequency
Center Freq 2.600000000 GHz
Start Freq 2.588000000 GHz
Stop Freq 2.612000000 GHz
CF Step 5.000000 MHz
Auto Man
Layer0 OFDM Meas
Layer0 OFDM Err Vect Spectrum
Ch1 Spectrum
Ch1 Error Summary
EVM = 4.3352 %rms at
EVM Pk = 16.873 % at
Data EVM = 4.3330 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7486 %rms
RS EVM = 4.4993 %rms
RS Tx. Power (Avg) = -37.108 dBm
OFDM Sym. Tx. Power = -6.266 dBm
RS Rx. Power (Avg) = -37.108 dBm
RS Rx. Quality = -10.791 dB
Freq Err = -1.3857 Hz
SyncCorr = 99.592 %
MSG
STATUS

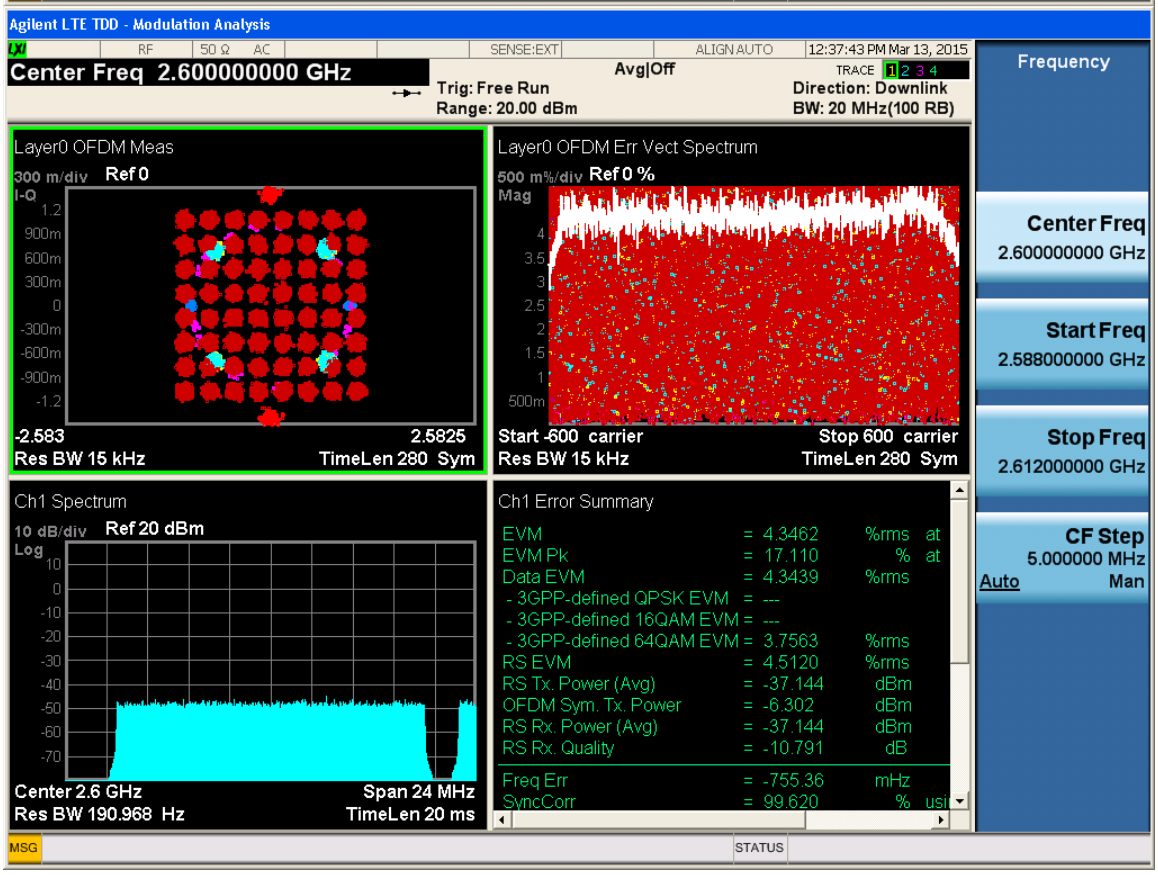

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:41:12 PM Mar 13, 2015
Center Freq 2.600000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.600000000 GHz
Start Freq
2.588000000 GHz
Stop Freq
2.612000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.6 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.3402 %rms at
EVM Pk = 16.290 % at
Data EVM = 4.3387 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7525 %rms
RS EVM = 4.5041 %rms
RS Tx. Power (Avg) = -37.088 dBm
OFDM Sym. Tx. Power = -6.246 dBm
RS Rx. Power (Avg) = -37.088 dBm
RS Rx. Quality = -10.791 dB
Freq Err = -1.4758 Hz
SyncCorr = 99.592 %
MSG
STATUS

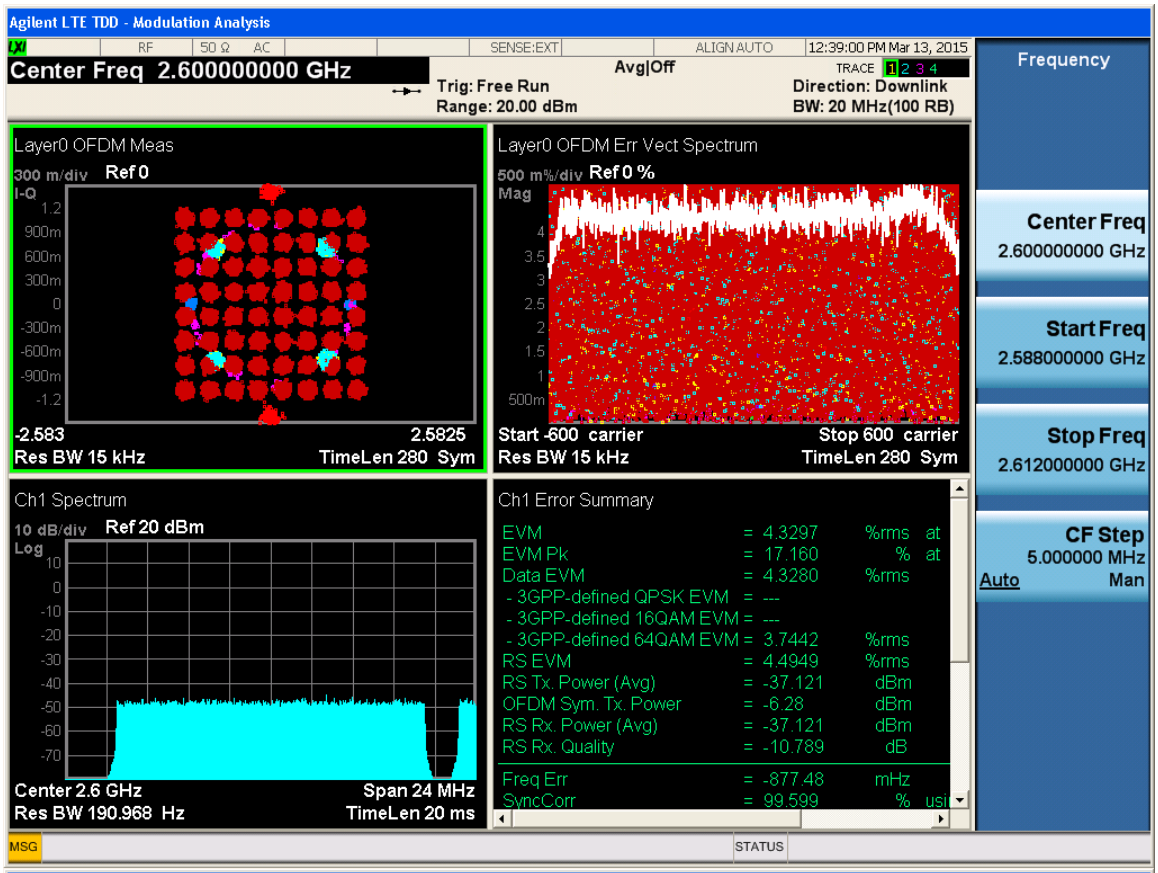

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:42:21 PM Mar 13, 2015
Center Freq 2.600000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.600000000 GHz
Start Freq
2.588000000 GHz
Stop Freq
2.612000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.6 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.3267 %rms at
EVM Pk = 16.906 % at
Data EVM = 4.3247 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7408 %rms
RS EVM = 4.4792 %rms
RS Tx. Power (Avg) = -37.076 dBm
OFDM Sym. Tx. Power = -6.235 dBm
RS Rx. Power (Avg) = -37.076 dBm
RS Rx. Quality = -10.791 dB
Freq Err = -1.8896 Hz
SyncCorr = 99.573 %
MSG
STATUS

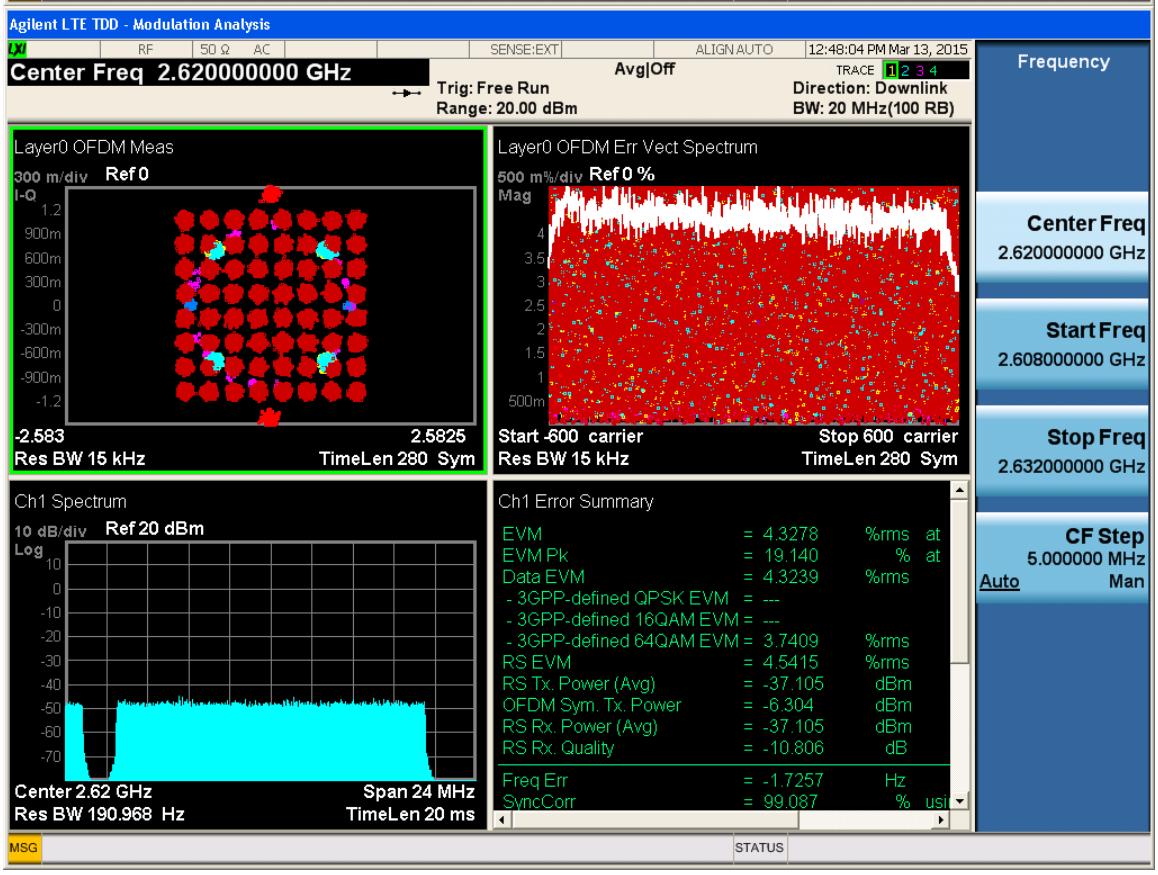

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:43:15 PM Mar 13, 2015
Center Freq 2.600000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.600000000 GHz
Start Freq
2.588000000 GHz
Stop Freq
2.612000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.6 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.3286 %rms at
EVM Pk = 17.100 % at
Data EVM = 4.3270 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7432 %rms
RS EVM = 4.4760 %rms
RS Tx. Power (Avg) = -37.056 dBm
OFDM Sym. Tx. Power = -6.214 dBm
RS Rx. Power (Avg) = -37.056 dBm
RS Rx. Quality = -10.791 dB
Freq Err = -1.1328 Hz
SyncCorr = 99.609 %
MSG
STATUS

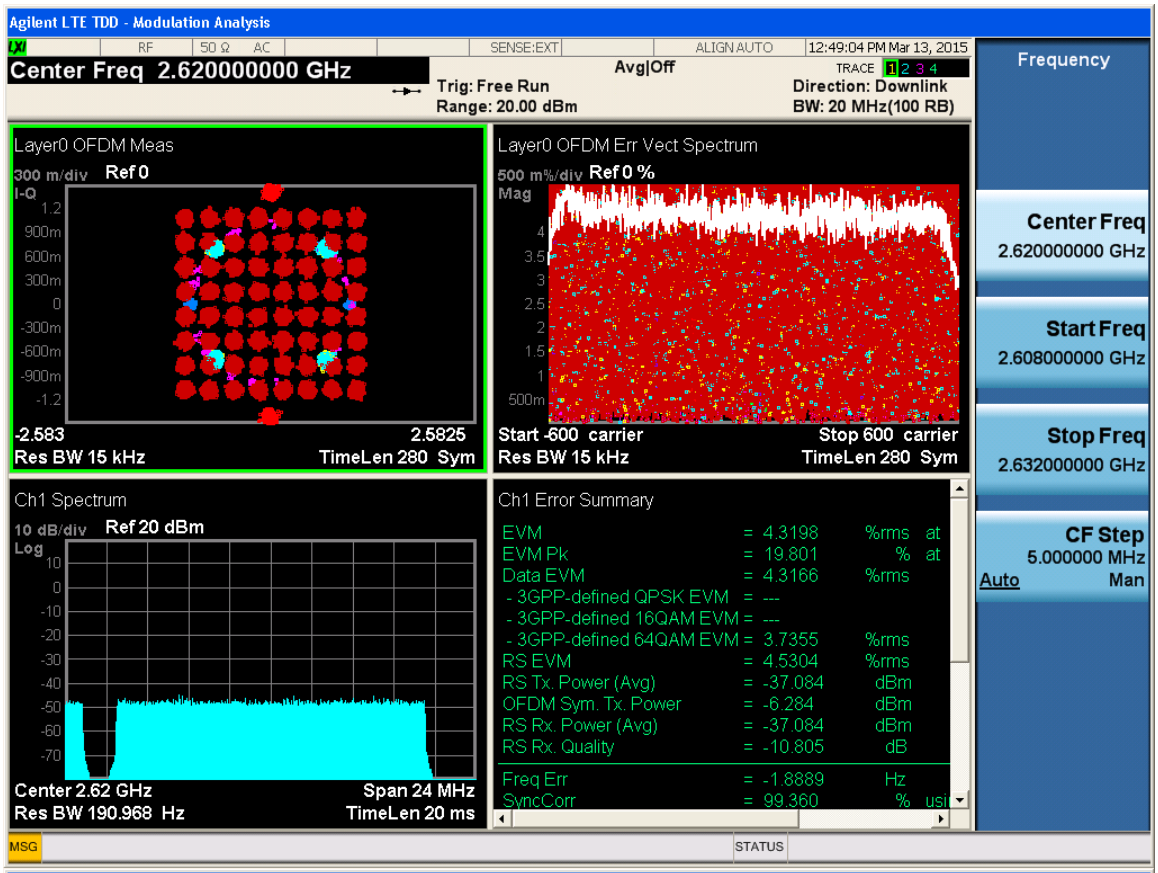

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:33:55 PM Mar 13, 2015
Center Freq 2.600000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.600000000 GHz
Start Freq
2.588000000 GHz
Stop Freq
2.612000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.6 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.3404 %rms at
EVM Pk = 16.000 % at
Data EVM = 4.3384 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7529 %rms
RS EVM = 4.5082 %rms
RS Tx. Power (Avg) = -37.218 dBm
OFDM Sym. Tx. Power = -6.376 dBm
RS Rx. Power (Avg) = -37.218 dBm
RS Rx. Quality = -10.79 dB
Freq Err = -1.2338 Hz
SyncCorr = 99.604 %
MSG
STATUS

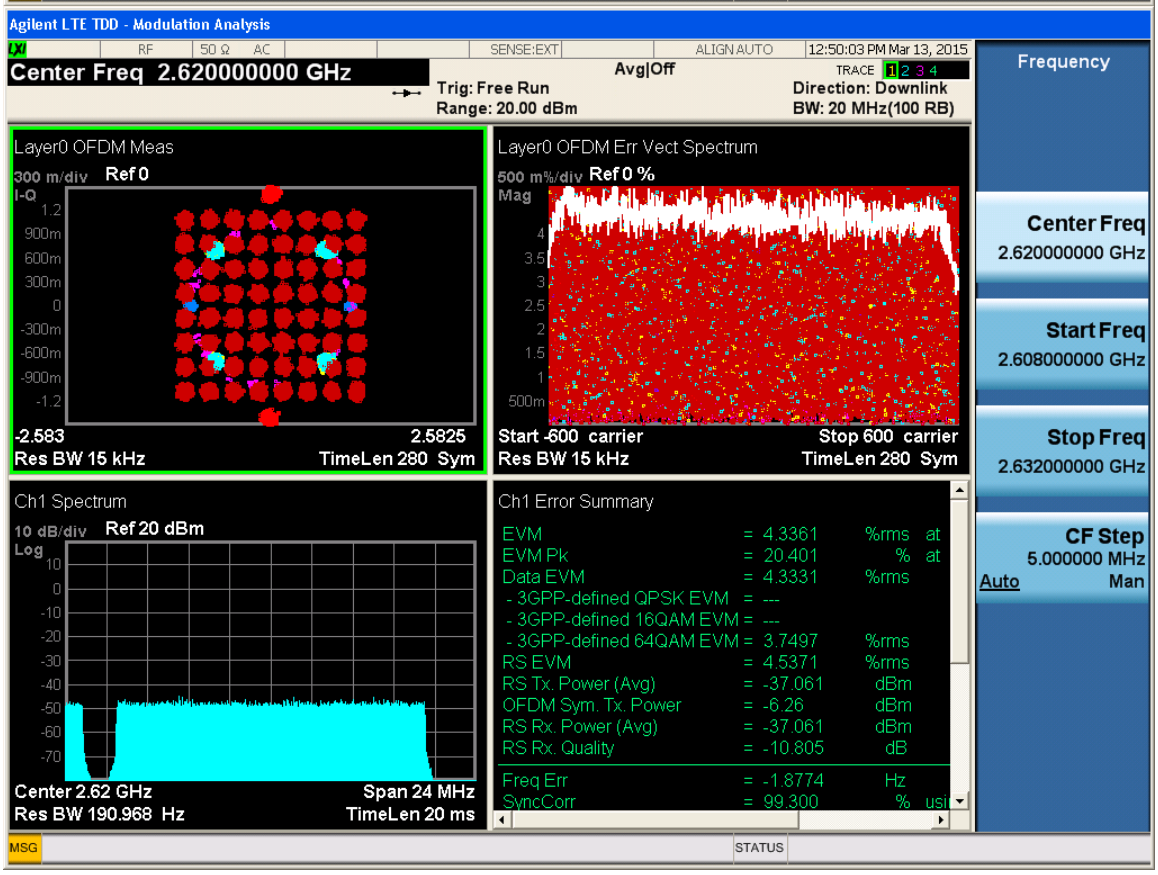

Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:36:35 PM Mar 13, 2015
Center Freq 2.600000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.600000000 GHz
Start Freq
2.588000000 GHz
Stop Freq
2.612000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.6 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.3299 %rms at
EVM Pk = 15.859 % at
Data EVM = 4.3284 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7461 %rms
RS EVM = 4.4917 %rms
RS Tx. Power (Avg) = -37.162 dBm
OFDM Sym. Tx. Power = -6.322 dBm
RS Rx. Power (Avg) = -37.162 dBm
RS Rx. Quality = -10.79 dB
Freq Err = -895.42 mHz
SyncCorr = 99.616 %
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:37:43 PM Mar 13, 2015
Center Freq 2.600000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.600000000 GHz
Start Freq
2.588000000 GHz
Stop Freq
2.612000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.6 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.3462 %rms at
EVM Pk = 17.110 % at
Data EVM = 4.3439 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7563 %rms
RS EVM = 4.5120 %rms
RS Tx. Power (Avg) = -37.144 dBm
OFDM Sym. Tx. Power = -6.302 dBm
RS Rx. Power (Avg) = -37.144 dBm
RS Rx. Quality = -10.791 dB
Freq Err = -755.36 mHz
SyncCorr = 99.620 %
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:39:00 PM Mar 13, 2015
Center Freq 2.600000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.600000000 GHz
Start Freq
2.588000000 GHz
Stop Freq
2.612000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.6 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.3297 %rms at
EVM Pk = 17.160 % at
Data EVM = 4.3280 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7442 %rms
RS EVM = 4.4949 %rms
RS Tx. Power (Avg) = -37.121 dBm
OFDM Sym. Tx. Power = -6.28 dBm
RS Rx. Power (Avg) = -37.121 dBm
RS Rx. Quality = -10.789 dB
Freq Err = -877.48 mHz
SyncCorr = 99.599 %
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:48:04 PM Mar 13, 2015
Center Freq 2.620000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.620000000 GHz
Start Freq
2.608000000 GHz
Stop Freq
2.632000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.62 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.3278 %rms at
EVM Pk = 19.140 % at
Data EVM = 4.3239 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7409 %rms
RS EVM = 4.5415 %rms
RS Tx. Power (Avg) = -37.105 dBm
OFDM Sym. Tx. Power = -6.304 dBm
RS Rx. Power (Avg) = -37.105 dBm
RS Rx. Quality = -10.806 dB
Freq Err = -1.7257 Hz
SyncCorr = 99.087 %
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:49:04 PM Mar 13, 2015
Center Freq 2.620000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.620000000 GHz
Start Freq
2.608000000 GHz
Stop Freq
2.632000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.62 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.3198 %rms at
EVM Pk = 19.801 % at
Data EVM = 4.3166 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7355 %rms
RS EVM = 4.5304 %rms
RS Tx. Power (Avg) = -37.084 dBm
OFDM Sym. Tx. Power = -6.284 dBm
RS Rx. Power (Avg) = -37.084 dBm
RS Rx. Quality = -10.805 dB
Freq Err = -1.8889 Hz
SyncCorr = 99.360 %
MSG
STATUS


Agilent LTE TDD - Modulation Analysis
RF 50 Ω AC
SENSE:EXT
ALIGN AUTO
12:50:03 PM Mar 13, 2015
Center Freq 2.620000000 GHz
Avg|Off
TRACE 1 2 3 4
Trig: Free Run
Range: 20.00 dBm
Direction: Downlink
BW: 20 MHz(100 RB)
Frequency
Layer0 OFDM Meas
300 m/div Ref 0
I-Q
-2.583
2.5825
Res BW 15 kHz
TimeLen 280 Sym
Layer0 OFDM Err Vect Spectrum
500 m%/div Ref 0 %
Mag
Start -600 carrier
Stop 600 carrier
Res BW 15 kHz
TimeLen 280 Sym
Center Freq
2.620000000 GHz
Start Freq
2.608000000 GHz
Stop Freq
2.632000000 GHz
CF Step
5.000000 MHz
Auto
Man
Ch1 Spectrum
10 dB/div Ref 20 dBm
Log
Center 2.62 GHz
Span 24 MHz
Res BW 190.968 Hz
TimeLen 20 ms
Ch1 Error Summary
EVM = 4.3361 %rms at
EVM Pk = 20.401 % at
Data EVM = 4.3331 %rms
- 3GPP-defined QPSK EVM = ---
- 3GPP-defined 16QAM EVM = ---
- 3GPP-defined 64QAM EVM = 3.7497 %rms
RS EVM = 4.5371 %rms
RS Tx. Power (Avg) = -37.061 dBm
OFDM Sym. Tx. Power = -6.26 dBm
RS Rx. Power (Avg) = -37.061 dBm
RS Rx. Quality = -10.805 dB
Freq Err = -1.8774 Hz
SyncCorr = 99.300 %
MSG
STATUS