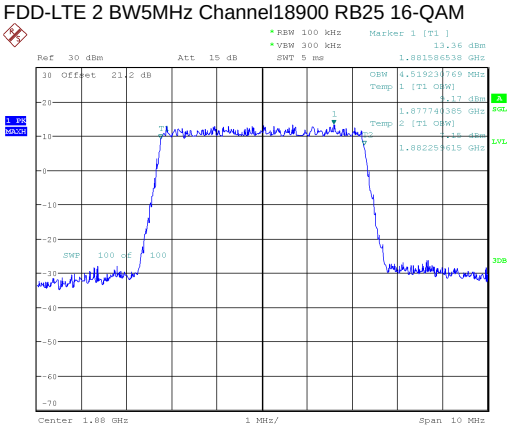
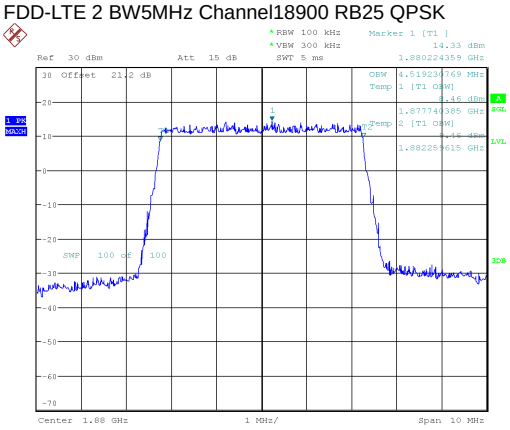
FDD-LTE 2 BW5MHz Channel18900 RB25 16-QAM



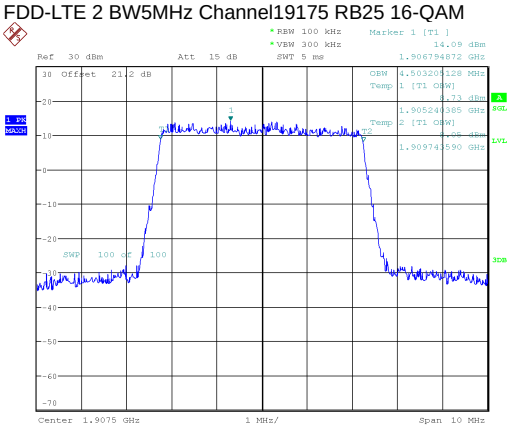

Date: 4.APR.6302 03:43:03

FDD-LTE 2 BW5MHz Channel18900 RB25 QPSK



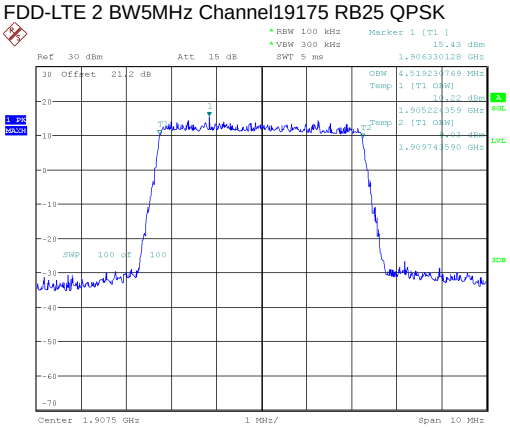

Date: 4.APR.6302 03:42:53

FDD-LTE 2 BW5MHz Channel19175 RB25 16-QAM



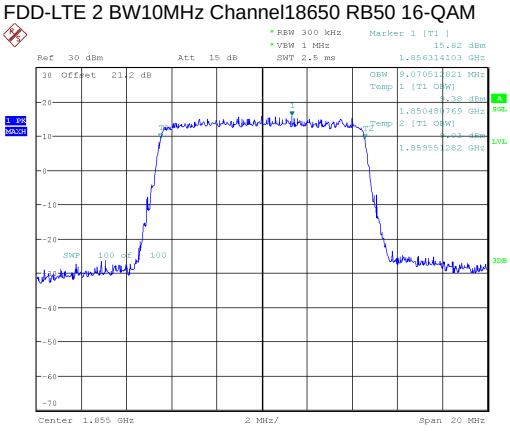

Date: 4.APR.6302 03:46:25

FDD-LTE 2 BW5MHz Channel19175 RB25 QPSK



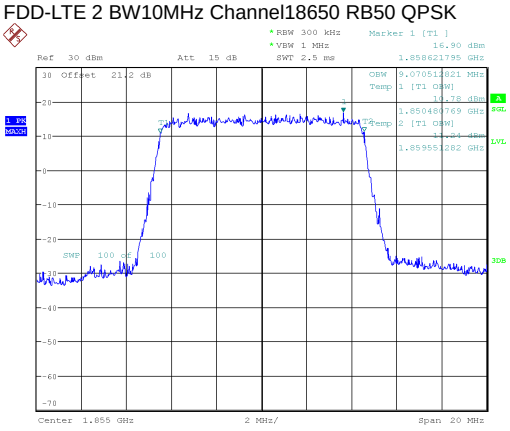

Date: 4.APR.6302 03:46:13

FDD-LTE 2 BW10MHz Channel18650 RB50 16-QAM



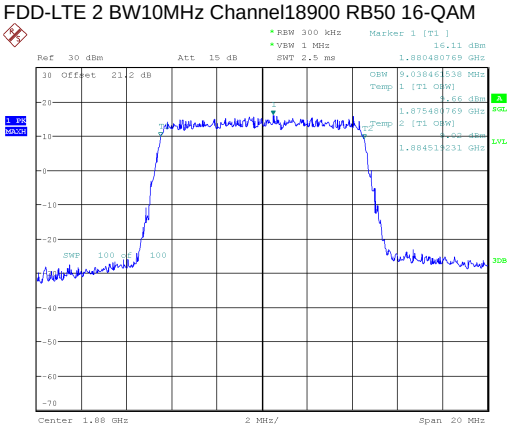

Date: 4.APR.6302 03:52:48

FDD-LTE 2 BW10MHz Channel18650 RB50 QPSK



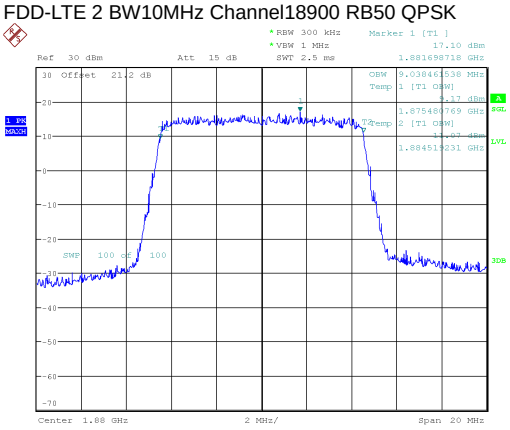

Date: 4.APR.6302 03:52:39

FDD-LTE 2 BW10MHz Channel18900 RB50 16-QAM



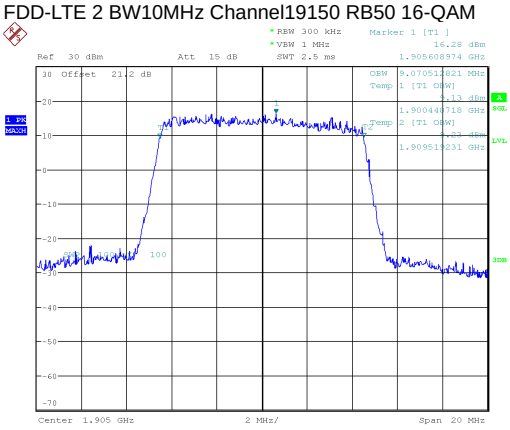

Date: 4.APR.6302 03:58:07

FDD-LTE 2 BW10MHz Channel18900 RB50 QPSK



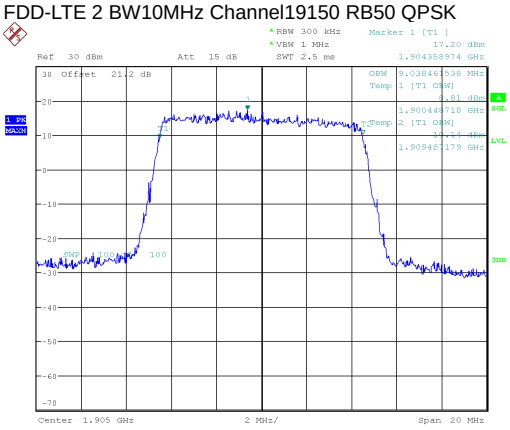

Date: 4.APR.6302 03:57:59

FDD-LTE 2 BW10MHz Channel19150 RB50 16-QAM



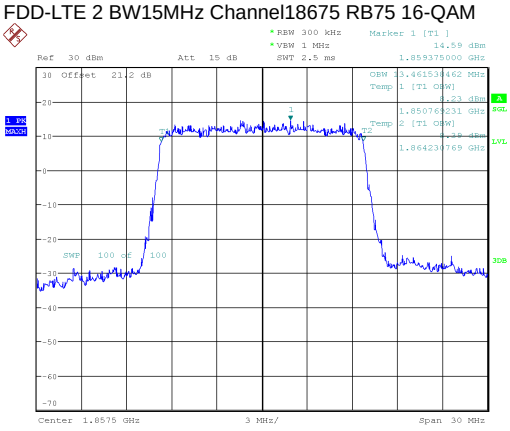

Date: 4.APR.6302 04:01:41

FDD-LTE 2 BW10MHz Channel19150 RB50 QPSK



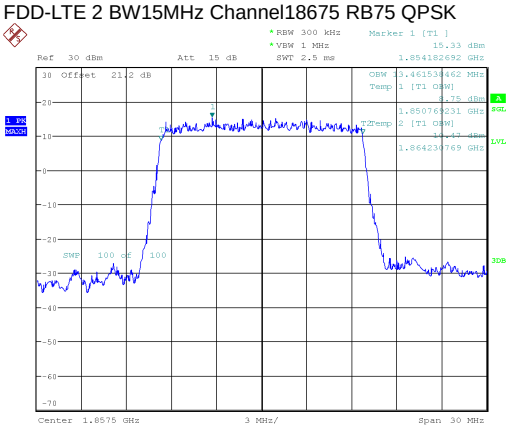

Date: 4.APR.6302 04:01:32

FDD-LTE 2 BW15MHz Channel18675 RB75 16-QAM




Date: 4.APR.6302 04:08:15

FDD-LTE 2 BW15MHz Channel18675 RB75 QPSK




Date: 4.APR.6302 04:08:05

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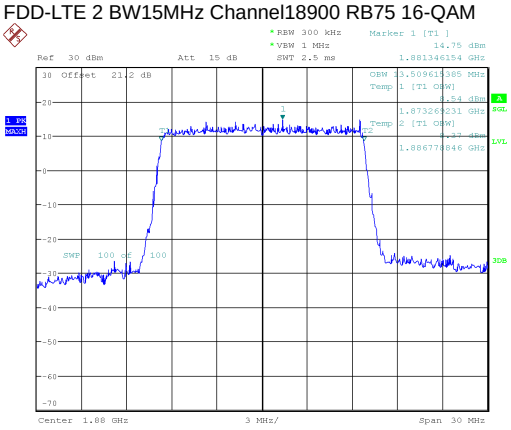
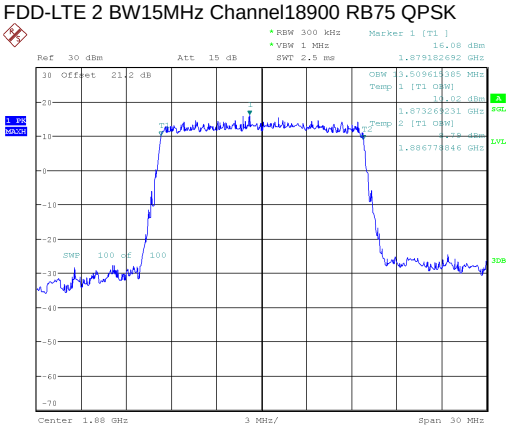


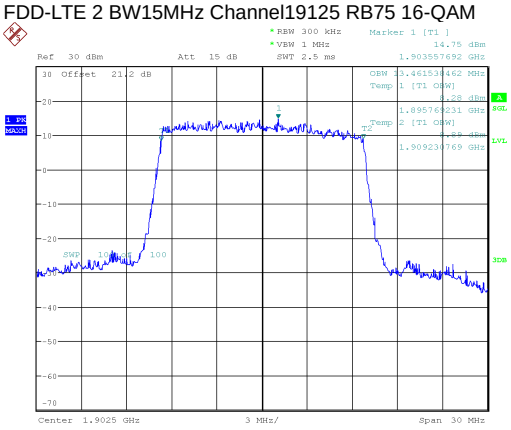

Date: 4.APR.6302 04:13:48

FDD-LTE 2 BW15MHz Channel18900 RB75 QPSK



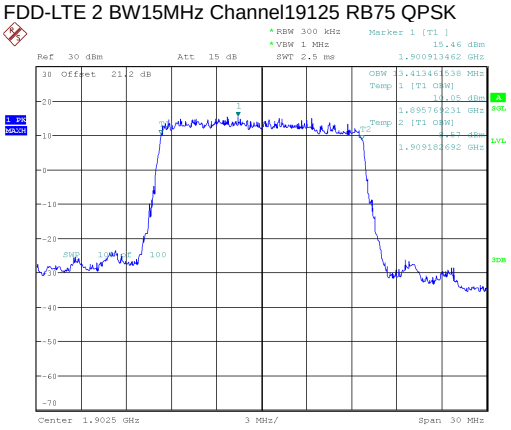

Date: 4.APR.6302 04:13:39

FDD-LTE 2 BW15MHz Channel19125 RB75 16-QAM



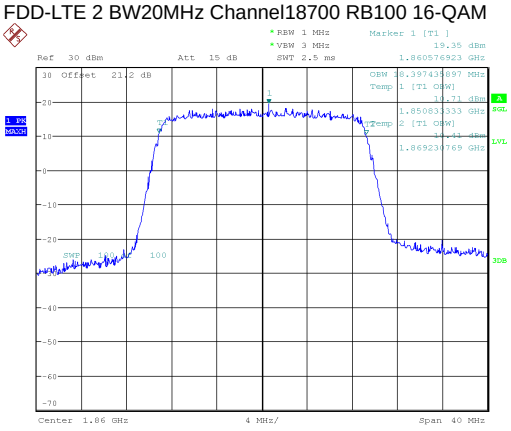

Date: 4.APR.6302 04:17:29

FDD-LTE 2 BW15MHz Channel19125 RB75 QPSK



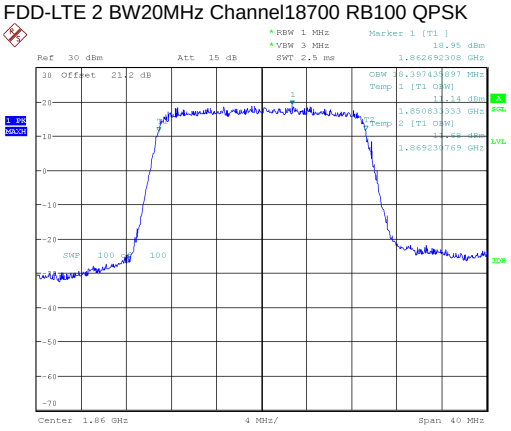

Date: 4.APR.6302 04:17:20

FDD-LTE 2 BW20MHz Channel18700 RB100 16-QAM



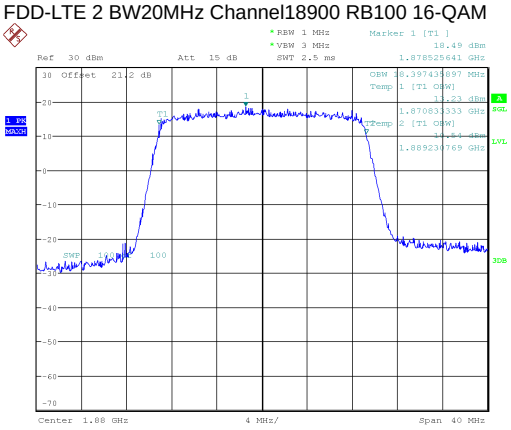

Date: 4.APR.6302 04:24:08

FDD-LTE 2 BW20MHz Channel18700 RB100 QPSK



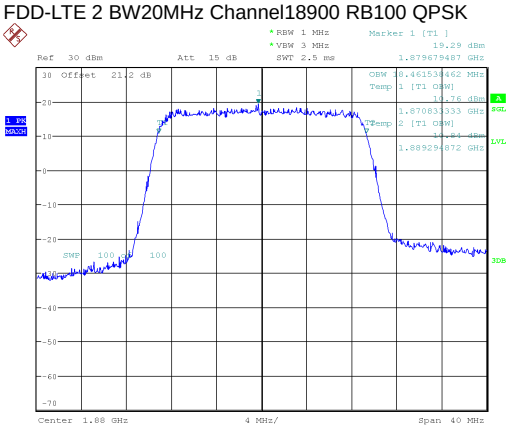

Date: 4.APR.6302 04:23:59

FDD-LTE 2 BW20MHz Channel18900 RB100 16-QAM




Date: 4.APR.6302 04:29:47

FDD-LTE 2 BW20MHz Channel18900 RB100 QPSK




Date: 4.APR.6302 04:29:37

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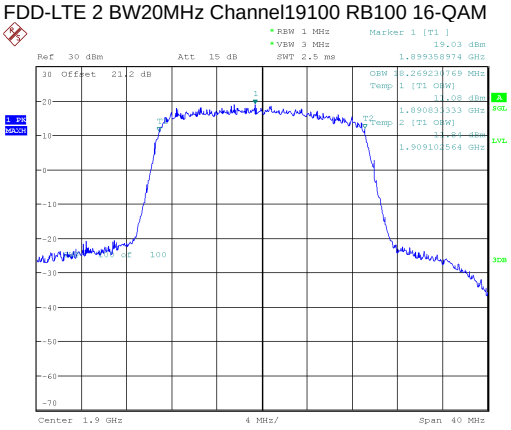
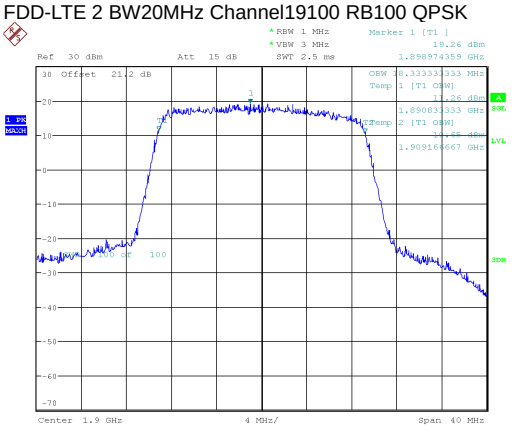


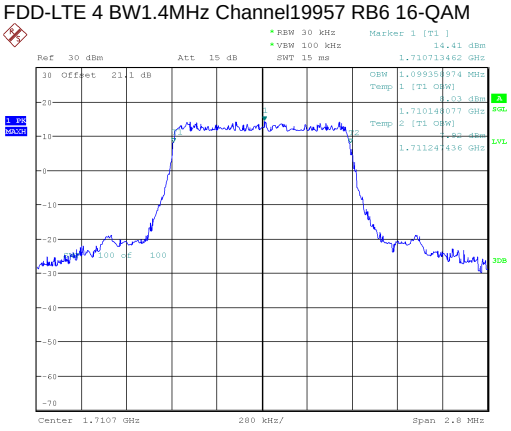

Date: 4.APR.6302 04:33:32

FDD-LTE 2 BW20MHz Channel19100 RB100 QPSK



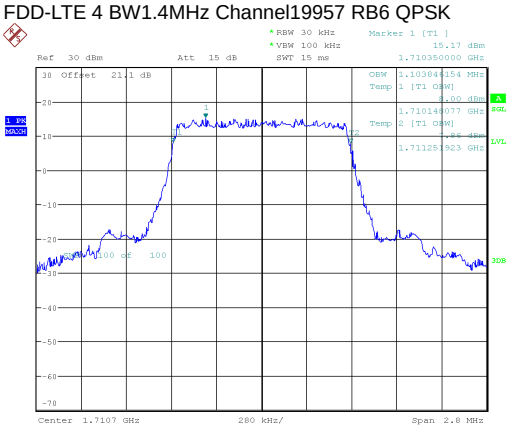

Date: 4.APR.6302 04:33:22

FDD-LTE 4 BW1.4MHz Channel19957 RB6 16-QAM



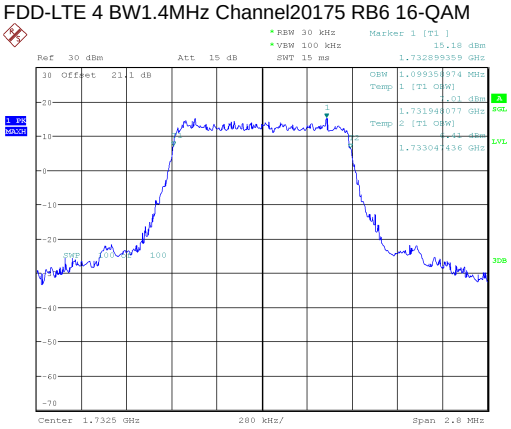

Date: 4.APR.6302 04:40:00

FDD-LTE 4 BW1.4MHz Channel19957 RB6 QPSK



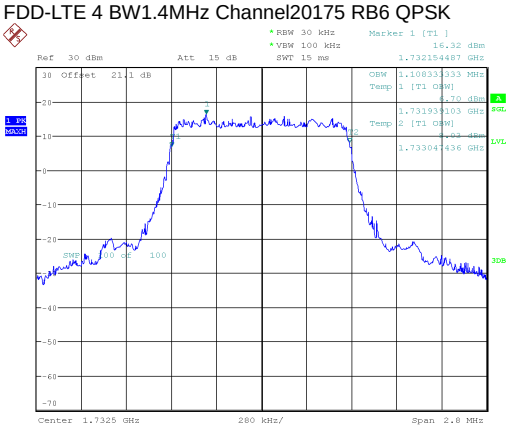

Date: 4.APR.6302 04:39:48

FDD-LTE 4 BW1.4MHz Channel20175 RB6 16-QAM



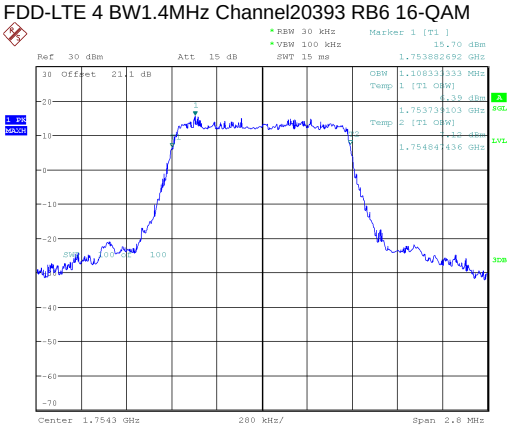

Date: 4.APR.6302 04:45:33

FDD-LTE 4 BW1.4MHz Channel20175 RB6 QPSK



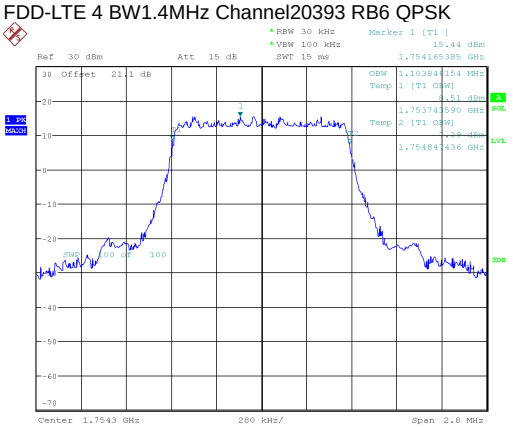

Date: 4.APR.6302 04:45:22

FDD-LTE 4 BW1.4MHz Channel20393 RB6 16-QAM



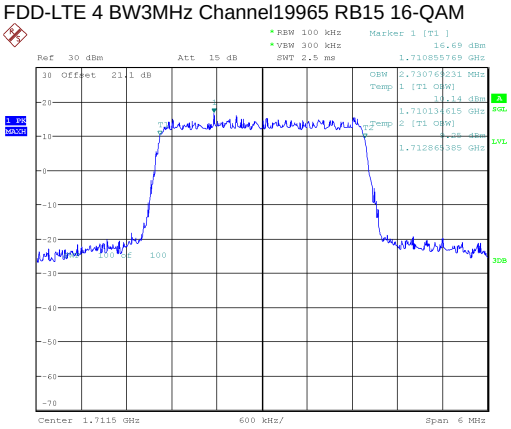

Date: 4.APR.6302 04:49:15

FDD-LTE 4 BW1.4MHz Channel20393 RB6 QPSK



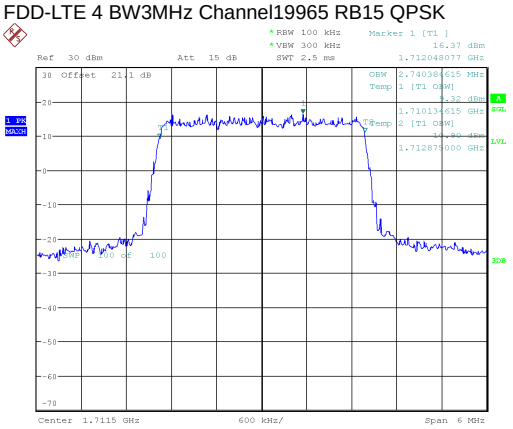

Date: 4.APR.6302 04:49:04

FDD-LTE 4 BW3MHz Channel19965 RB15 16-QAM



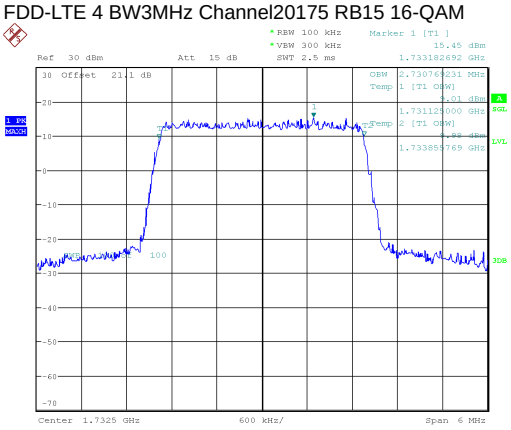

Date: 4.APR.6302 04:55:49

FDD-LTE 4 BW3MHz Channel19965 RB15 QPSK



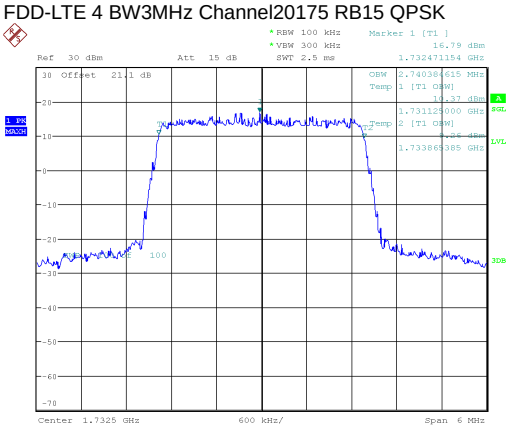

Date: 4.APR.6302 04:55:38

FDD-LTE 4 BW3MHz Channel20175 RB15 16-QAM



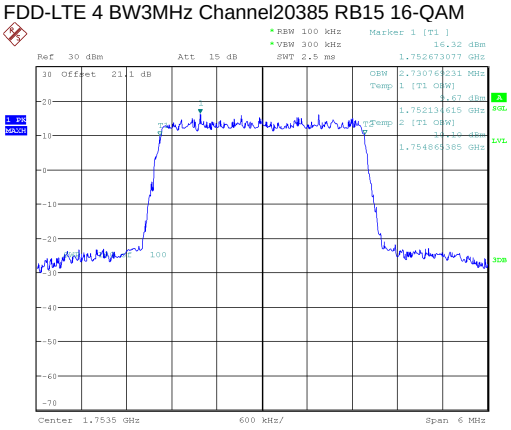

Date: 4.APR.6302 05:01:20

FDD-LTE 4 BW3MHz Channel20175 RB15 QPSK



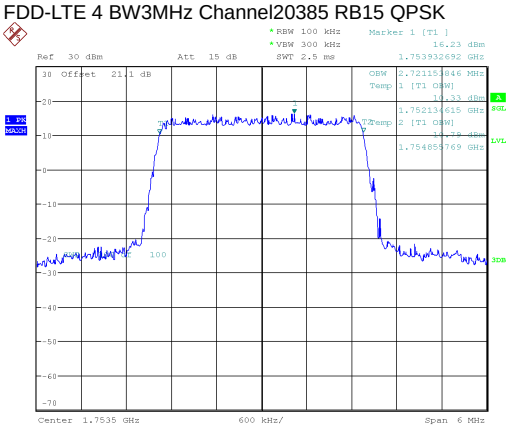

Date: 4.APR.6302 05:01:11

FDD-LTE 4 BW3MHz Channel20385 RB15 16-QAM



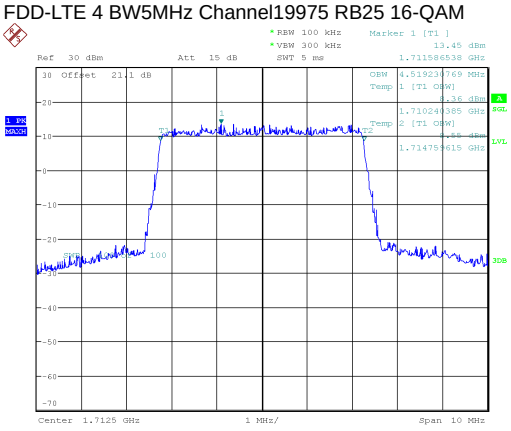

Date: 4.APR.6302 05:05:01

FDD-LTE 4 BW3MHz Channel20385 RB15 QPSK



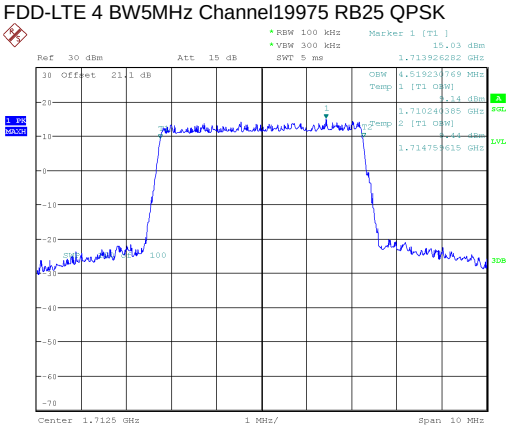

Date: 4.APR.6302 05:04:51

FDD-LTE 4 BW5MHz Channel19975 RB25 16-QAM



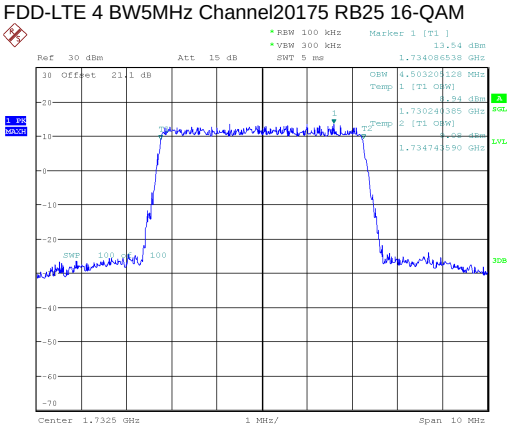

Date: 4.APR.6302 05:11:39

FDD-LTE 4 BW5MHz Channel19975 RB25 QPSK



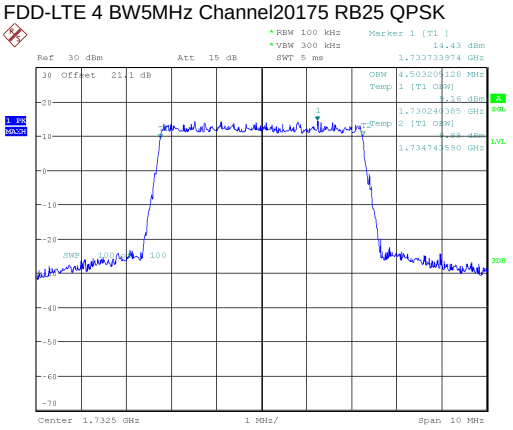

Date: 4.APR.6302 05:11:27

FDD-LTE 4 BW5MHz Channel20175 RB25 16-QAM



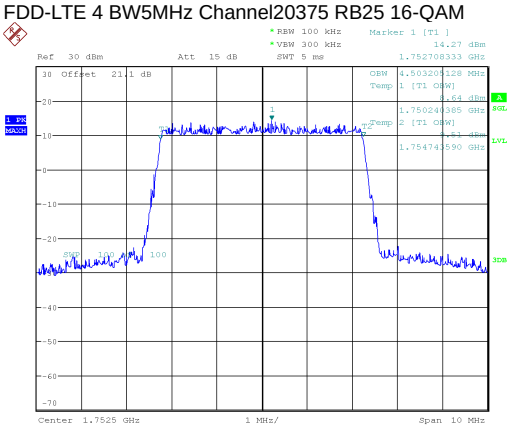

Date: 4.APR.6302 05:17:15

FDD-LTE 4 BW5MHz Channel20175 RB25 QPSK



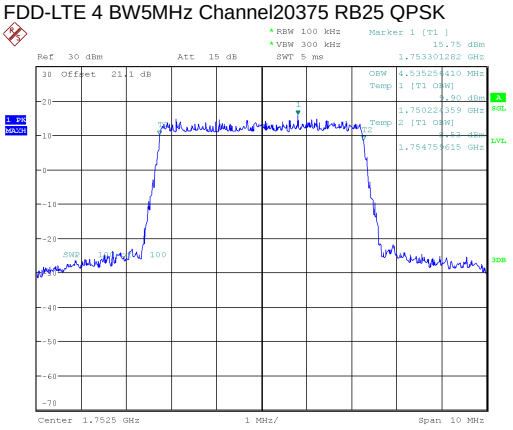

Date: 4.APR.6302 05:17:05

FDD-LTE 4 BW5MHz Channel20375 RB25 16-QAM



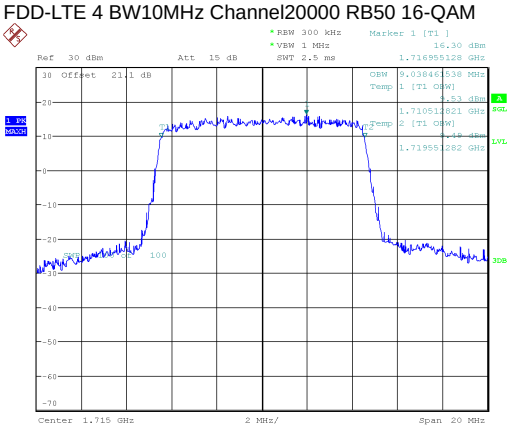

Date: 4.APR.6302 05:21:03

FDD-LTE 4 BW5MHz Channel20375 RB25 QPSK



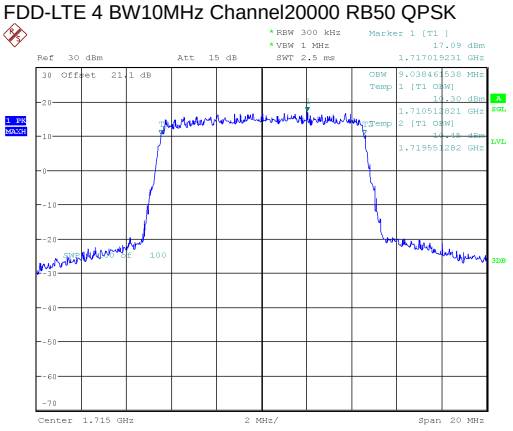

Date: 4.APR.6302 05:20:53

FDD-LTE 4 BW10MHz Channel20000 RB50 16-QAM



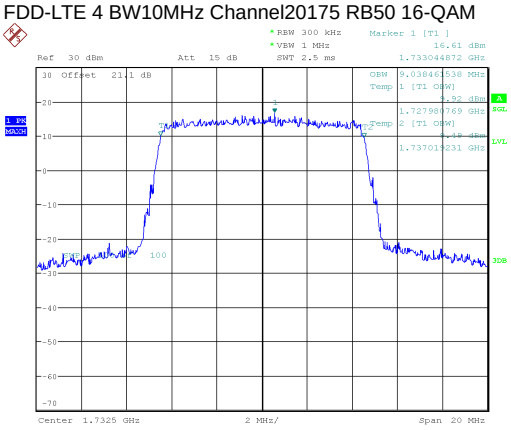

Date: 4.APR.6302 05:27:54

FDD-LTE 4 BW10MHz Channel20000 RB50 QPSK



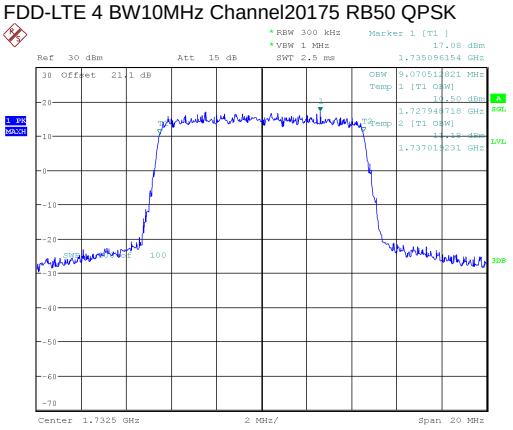

Date: 4.APR.6302 05:27:45

FDD-LTE 4 BW10MHz Channel20175 RB50 16-QAM



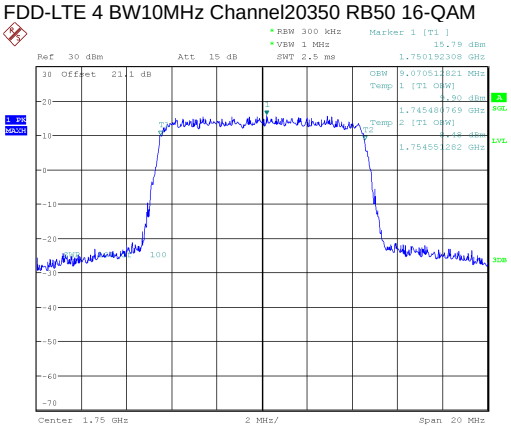

Date: 4.APR.6302 05:33:43

FDD-LTE 4 BW10MHz Channel20175 RB50 QPSK



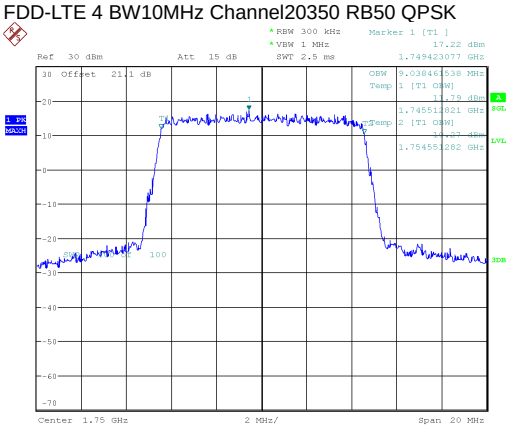

Date: 4.APR.6302 05:33:33

FDD-LTE 4 BW10MHz Channel20350 RB50 16-QAM



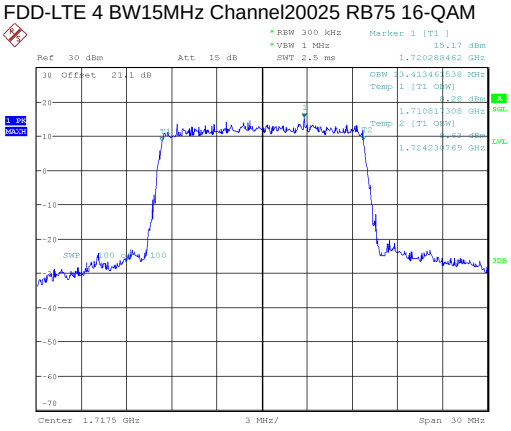

Date: 4.APR.6302 05:37:47

FDD-LTE 4 BW10MHz Channel20350 RB50 QPSK



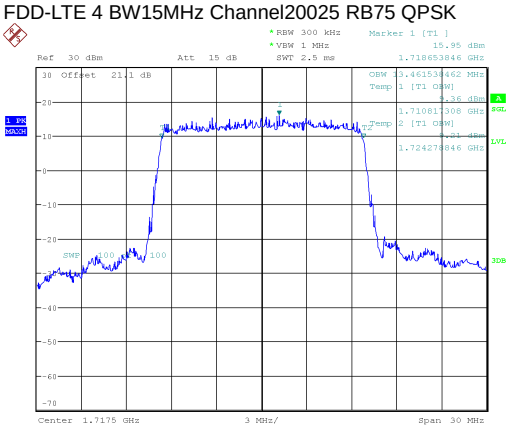

Date: 4.APR.6302 05:37:37

FDD-LTE 4 BW15MHz Channel20025 RB75 16-QAM



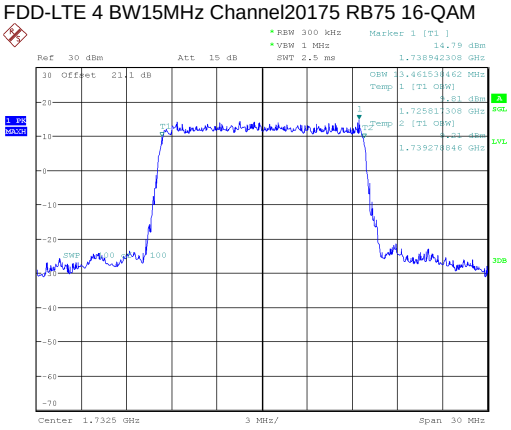

Date: 4.APR.6302 05:44:48

FDD-LTE 4 BW15MHz Channel20025 RB75 QPSK



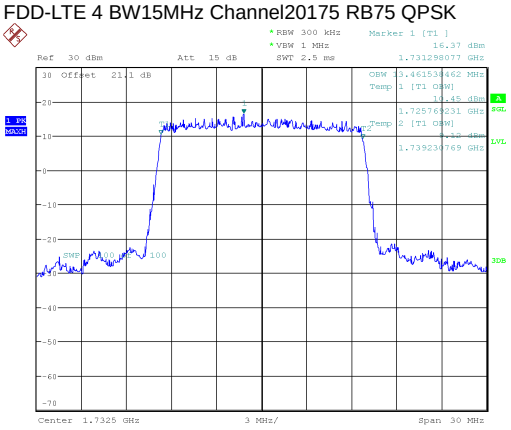

Date: 4.APR.6302 05:44:38

FDD-LTE 4 BW15MHz Channel20175 RB75 16-QAM



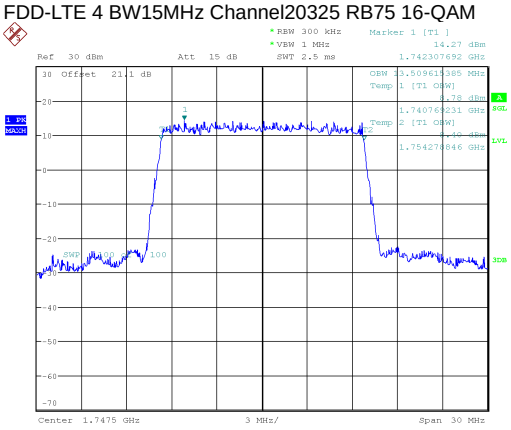

Date: 4.APR.6302 05:50:50

FDD-LTE 4 BW15MHz Channel20175 RB75 QPSK



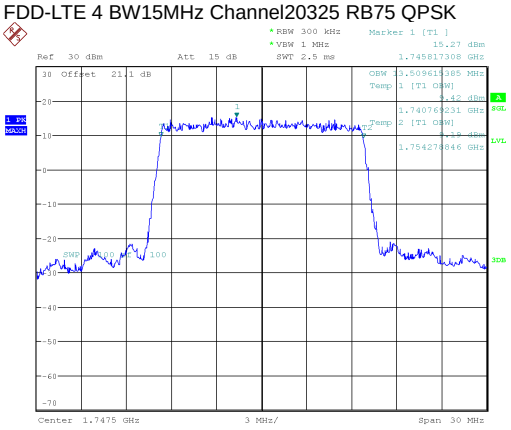

Date: 4.APR.6302 05:50:40

FDD-LTE 4 BW15MHz Channel20325 RB75 16-QAM



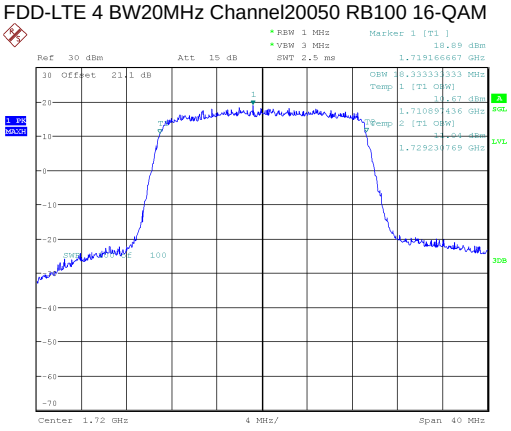

Date: 4.APR.6302 05:55:00

FDD-LTE 4 BW15MHz Channel20325 RB75 QPSK



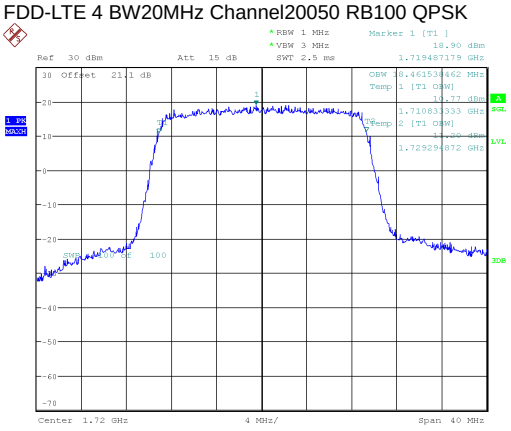

Date: 4.APR.6302 05:54:50

FDD-LTE 4 BW20MHz Channel20050 RB100 16-QAM



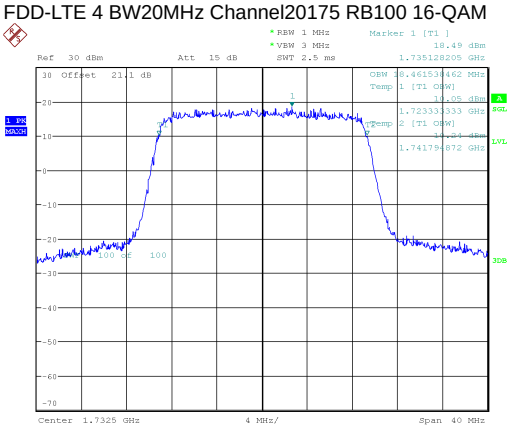

Date: 4.APR.6302 06:02:11

FDD-LTE 4 BW20MHz Channel20050 RB100 QPSK



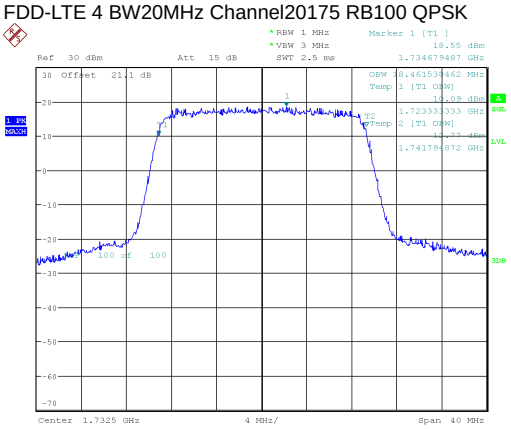

Date: 4.APR.6302 06:02:01

FDD-LTE 4 BW20MHz Channel20175 RB100 16-QAM



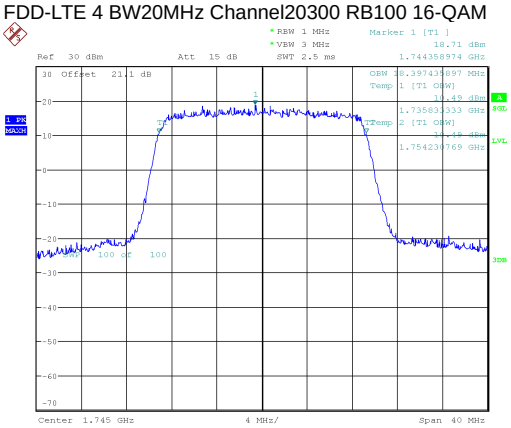

Date: 4.APR.6302 06:08:18

FDD-LTE 4 BW20MHz Channel20175 RB100 QPSK



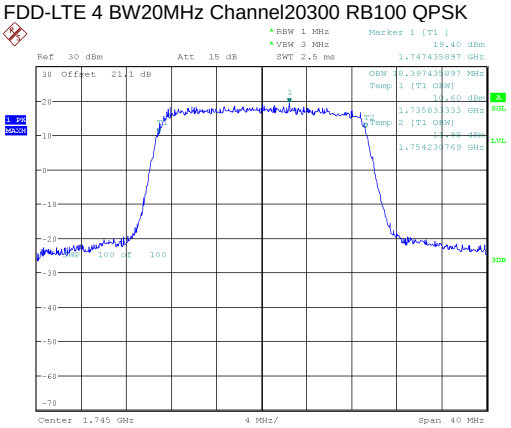

Date: 4.APR.6302 06:08:08

FDD-LTE 4 BW20MHz Channel20300 RB100 16-QAM




Date: 4.APR.6302 06:12:32

FDD-LTE 4 BW20MHz Channel20300 RB100 QPSK




Date: 4.APR.6302 06:12:22

## 5.4 Band Edge

### 5.4.1 Description of Conducted Band Edge Measurement

22.917(a) for Band5.

For operations in the 824-849MHz band, the FCC limit is $43+10\log_{10}$ (P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

24.238(a) for Band2, 25

For operations in the 1850-1910MHz band and 1930-1990MHz, the FCC limit is $43+10\log_{10}$(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53(g) for Band12, 17

For operations in the 698-746MHz band, the FCC limit is 43+10log(P[Watts]) dB below the transmitter power P(Watts) in a 100kHz bandwidth. However, in the 100kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30kHz may be employed.

27.53 (h) for Band4

For operations in the 1710-1755MHz band, the FCC limit is 43+10log(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (m)(4) for FCC Band7, 41

For mobile digital stations, the attenuation factor shall be not less than 40+10log(P) dB on all frequencies between the channel edge and 5 MHz from the channel edge,43+10log(P) dB on all frequencies between 5MHz and X MHz from the channel edge, and 55+10log(P) dB on all frequencies more than X MHz from the channel edge, where X is the greater of 6MHz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43+log(P) dB on all frequencies between 2490.5MHz and 2496MHz and 55+log(P) dB at or below 2490.5MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

### 5.4.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

### 5.4.3 Test Procedure

a. The EUT was connected to the spectrum analyzer and system simulator via a power divider.

b. The band edges of low and high channels for the highest RF powers were measured.

c. Set RBW>=1% EBW in the 1MHz band immediately outside and adjacent to the band edge.

d. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used and the measured power was integrated over the full required measurement bandwidth of 1 MHz.

e. Set spectrum analyzer with RMS detector.

f. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

g. Checked that all the results comply with the emission limit line.

   Example:

   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

   =P(W)-[43+10log(P)](dB)

   =[30 + 10log(P)](dBm)-[43+10log(P)](dB) = -13dBm.

h. For LTE Band7, the other 40 dB, and 55 dB have additionally applied same calculation above. The limit line is derived from 40 + 10log(P)dB below the transmitter power P(Watts)

   =P(W)-[40+10log(P)](dB)

   =[30+10log(P)](dBm)-[40+10log(P)](dB)

   =-10dBm

   The limit line is derived from 55+10log(P)dB below the transmitter power P(Watts)

   =P(W)-[43+10log(P)](dB)

   =[30+10log(P)](dBm)-[43+10log(P)](dB)

   =-13dBm

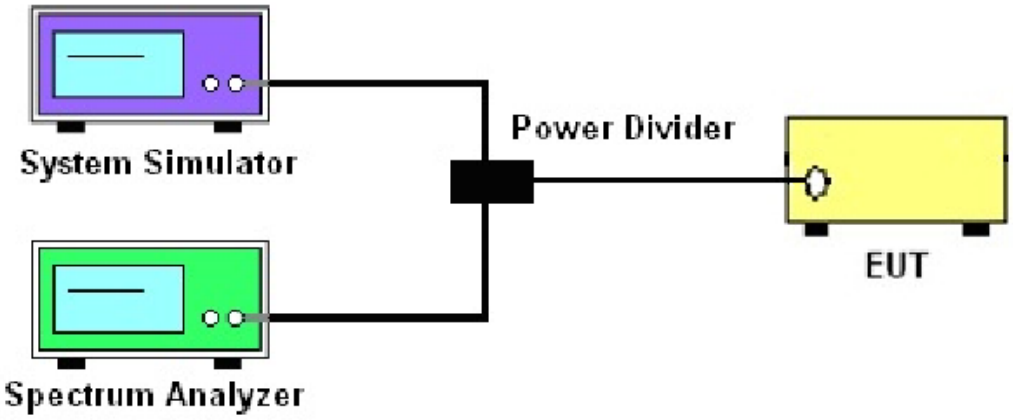
   The limit line is derived from 55+10log(P)dB below the transmitter power P(Watts)

   = P(W)-[55+10log(P)](dB)

   =[30+10log(P)](dBm)-[55+10log(P)](dB)

   =-25dBm

### 5.4.4 Test Setup




### 5.4.5 Test Result

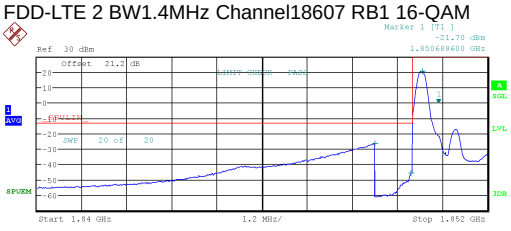
| | FDD-LTE 2 | | | |
|---|---|---|---|---|
| | 1.4MHz/QPSK | | 1.4MHz/16QAM | |
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |
| | 3MHz/QPSK | | 3MHz/16QAM | |
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |
| | 5MHz/QPSK | | 5MHz/16QAM | |
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |
| | 10MHz/QPSK | | 10MHz/16QAM | |
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |
| | 15MHz/QPSK | | 15MHz/16QAM | |

| | Low | High | Low | High |
|---|---|---|---|---|
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |
| | 20MHz/QPSK | | 20MHz/16QAM | |
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |

| | FDD-LTE 4 | | | |
|---|---|---|---|---|
| | 1.4MHz/QPSK | | 1.4MHz/16QAM | |
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |
| | 3MHz/QPSK | | 3MHz/16QAM | |
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |
| | 5MHz/QPSK | | 5MHz/16QAM | |
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |
| | 10MHz/QPSK | | 10MHz/16QAM | |
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |
| | 15MHz/QPSK | | 15MHz/16QAM | |
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |

| | 20MHz/QPSK | | 20MHz/16QAM | |
|---|---|---|---|---|
| | Low | High | Low | High |
| Bandedge 1RB | PASS | PASS | PASS | PASS |
| Bandedge FRB | PASS | PASS | PASS | PASS |

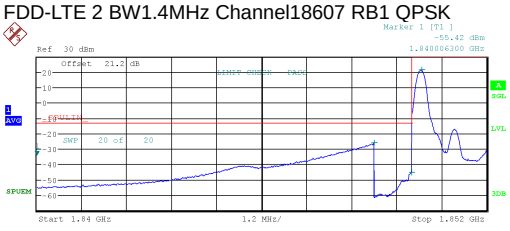
FDD-LTE 2 BW1.4MHz Channel18607 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848998 G | -26.59 | -13.59 |
| 1.849 G | 1.850 G | 20.00 k | 1.849965 G | -45.75 | -32.75 |
| 1.850 G | 1.852 G | 100.00 k | 1.850265 G | 20.57 | -9.43 |

Date: 4.APR.6302 03:10:41

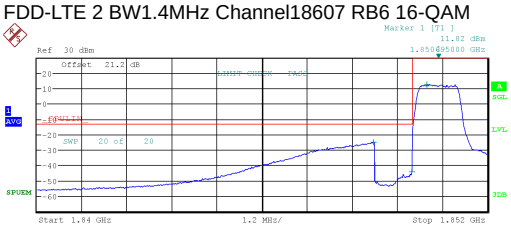
FDD-LTE 2 BW1.4MHz Channel18607 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848996 G | -26.09 | -13.09 |
| 1.849 G | 1.850 G | 20.00 k | 1.849997 G | -45.45 | -32.45 |
| 1.850 G | 1.852 G | 100.00 k | 1.850261 G | 21.44 | -8.56 |

Date: 4.APR.6302 03:09:48

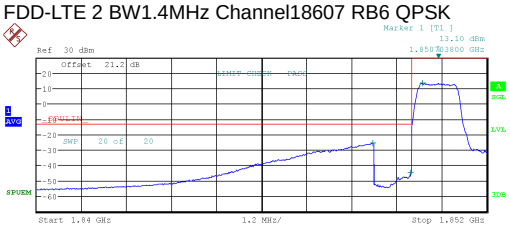
FDD-LTE 2 BW1.4MHz Channel18607 RB6 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848957 G | -25.04 | -12.04 |
| 1.849 G | 1.850 G | 20.00 k | 1.849983 G | -44.51 | -31.51 |
| 1.850 G | 1.852 G | 100.00 k | 1.850375 G | 12.46 | -17.54 |

Date: 4.APR.6302 03:11:08

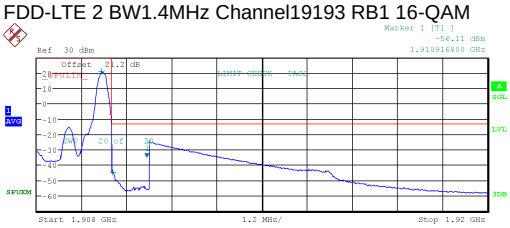
FDD-LTE 2 BW1.4MHz Channel18607 RB6 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848953 G | -25.52 | -12.52 |
| 1.849 G | 1.850 G | 20.00 k | 1.849967 G | -44.95 | -31.95 |
| 1.850 G | 1.852 G | 100.00 k | 1.850292 G | 13.37 | -16.63 |

Date: 4.APR.6302 03:10:14

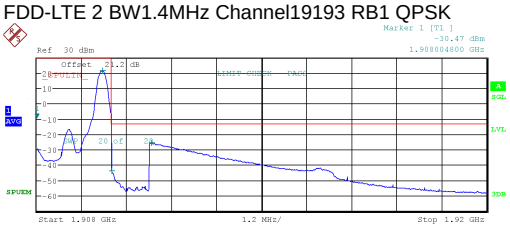
FDD-LTE 2 BW1.4MHz Channel19193 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.908 G | 1.910 G | 100.00 k | 1.909719 G | 20.73 | -9.27 |
| 1.910 G | 1.911 G | 20.00 k | 1.910017 G | -45.01 | -32.01 |
| 1.911 G | 1.920 G | 1.00 M | 1.911007 G | -25.58 | -12.58 |

Date: 4.APR.6302 03:19:00

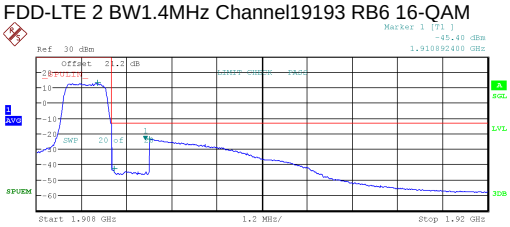
FDD-LTE 2 BW1.4MHz Channel19193 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.908 G | 1.910 G | 100.00 k | 1.909744 G | 21.47 | -8.53 |
| 1.910 G | 1.911 G | 20.00 k | 1.910002 G | -44.08 | -31.08 |
| 1.911 G | 1.920 G | 1.00 M | 1.911059 G | -25.67 | -12.67 |

Date: 4.APR.6302 03:18:08

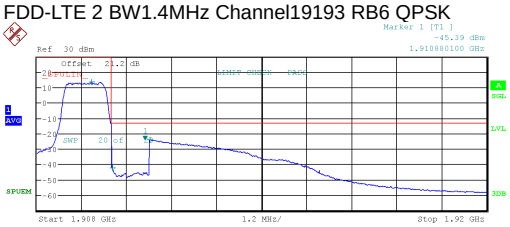
FDD-LTE 2 BW1.4MHz Channel19193 RB6 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.908 G | 1.910 G | 100.00 k | 1.909625 G | 12.75 | -17.25 |
| 1.910 G | 1.911 G | 20.00 k | 1.910053 G | -43.00 | -30.00 |
| 1.911 G | 1.920 G | 1.00 M | 1.911009 G | -23.83 | -10.83 |

Date: 4.APR.6302 03:19:26

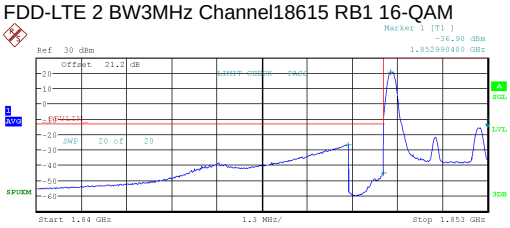
FDD-LTE 2 BW1.4MHz Channel19193 RB6 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.908 G | 1.910 G | 100.00 k | 1.908458 G | 13.43 | -16.57 |
| 1.910 G | 1.911 G | 20.00 k | 1.910012 G | -42.46 | -29.46 |
| 1.911 G | 1.920 G | 1.00 M | 1.911026 G | -24.10 | -11.10 |

Date: 4.APR.6302 03:18:34

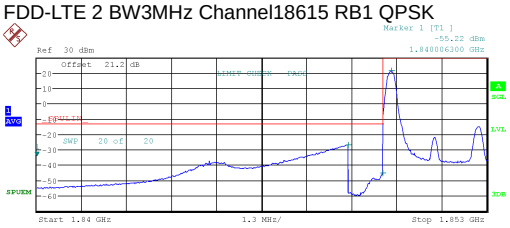
FDD-LTE 2 BW3MHz Channel18615 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848987 G | -26.97 | -13.97 |
| 1.849 G | 1.850 G | 30.00 k | 1.849999 G | -45.23 | -32.23 |
| 1.850 G | 1.853 G | 100.00 k | 1.850202 G | 20.48 | -9.52 |

Date: 4.APR.6302 03:25:07

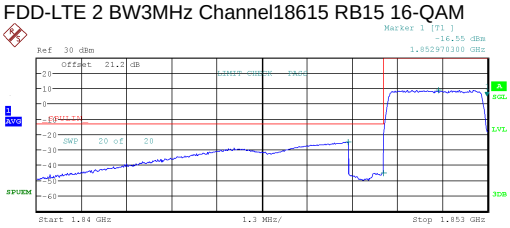
FDD-LTE 2 BW3MHz Channel18615 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848992 G | -26.89 | -13.89 |
| 1.849 G | 1.850 G | 30.00 k | 1.849998 G | -45.18 | -32.18 |
| 1.850 G | 1.853 G | 100.00 k | 1.850242 G | 21.19 | -8.81 |

Date: 4.APR.6302 03:24:14

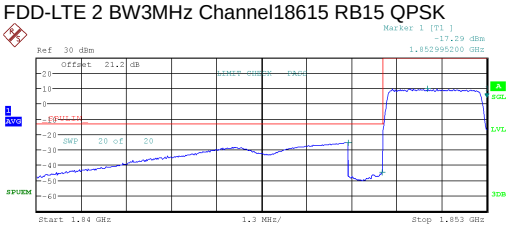
FDD-LTE 2 BW3MHz Channel18615 RB15 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848972 G | -25.06 | -12.06 |
| 1.849 G | 1.850 G | 30.00 k | 1.849996 G | -45.17 | -32.17 |
| 1.850 G | 1.853 G | 100.00 k | 1.851589 G | 8.83 | -21.17 |

Date: 4.APR.6302 03:25:34

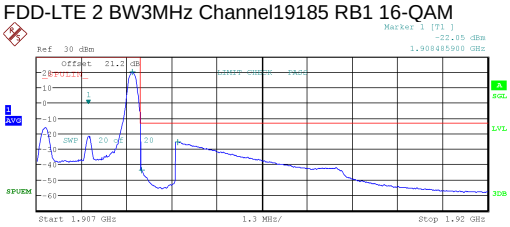
FDD-LTE 2 BW3MHz Channel18615 RB15 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.849000 G | -25.42 | -12.42 |
| 1.849 G | 1.850 G | 30.00 k | 1.849977 G | -44.65 | -31.65 |
| 1.850 G | 1.853 G | 100.00 k | 1.851293 G | 9.57 | -20.43 |

Date: 4.APR.6302 03:24:40

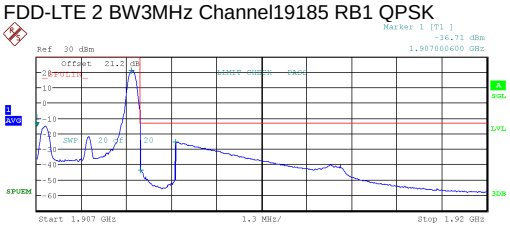
FDD-LTE 2 BW3MHz Channel19185 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.907 G | 1.910 G | 100.00 k | 1.909760 G | 20.04 | -9.96 |
| 1.910 G | 1.911 G | 30.00 k | 1.910027 G | -44.11 | -31.11 |
| 1.911 G | 1.920 G | 1.00 M | 1.911053 G | -25.47 | -12.47 |

Date: 4.APR.6302 03:33:28

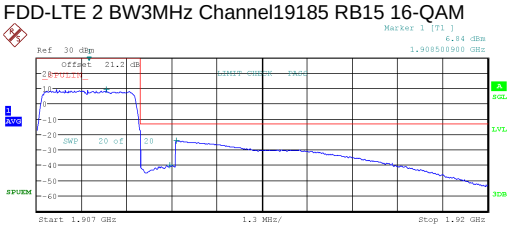
FDD-LTE 2 BW3MHz Channel19185 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.907 G | 1.910 G | 100.00 k | 1.908729 G | 20.61 | -9.39 |
| 1.910 G | 1.911 G | 30.00 k | 1.910000 G | -44.15 | -31.15 |
| 1.911 G | 1.920 G | 1.00 M | 1.911007 G | -25.49 | -12.49 |

Date: 4.APR.6302 03:32:35

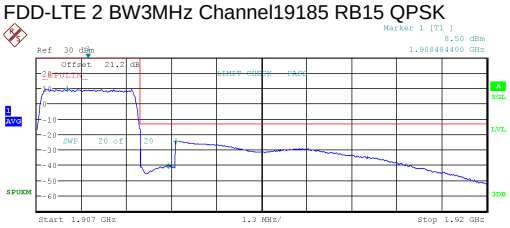
FDD-LTE 2 BW3MHz Channel19185 RB15 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.907 G | 1.910 G | 100.00 k | 1.909000 G | 9.18 | -20.82 |
| 1.910 G | 1.911 G | 30.00 k | 1.910824 G | -40.21 | -27.21 |
| 1.911 G | 1.920 G | 1.00 M | 1.911031 G | -24.39 | -11.39 |

Date: 4.APR.6302 03:33:55

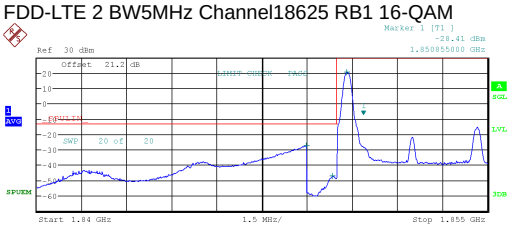
FDD-LTE 2 BW3MHz Channel19185 RB15 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.907 G | 1.910 G | 100.00 k | 1.907879 G | 9.65 | -20.35 |
| 1.910 G | 1.911 G | 30.00 k | 1.910819 G | -40.56 | -27.56 |
| 1.911 G | 1.920 G | 1.00 M | 1.911022 G | -24.49 | -11.49 |

Date: 4.APR.6302 03:33:02

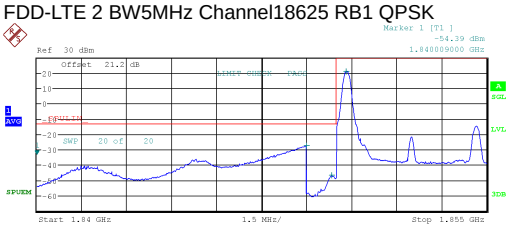
FDD-LTE 2 BW5MHz Channel18625 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848966 G | -27.45 | -14.45 |
| 1.849 G | 1.850 G | 50.00 k | 1.849821 G | -47.34 | -34.34 |
| 1.850 G | 1.855 G | 100.00 k | 1.850319 G | 20.25 | -9.75 |

Date: 4.APR.6302 03:39:42

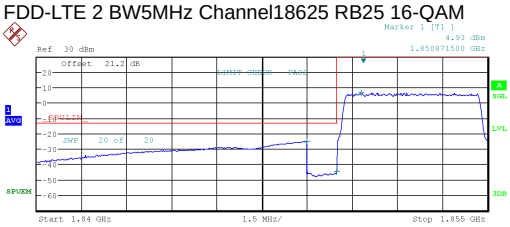
FDD-LTE 2 BW5MHz Channel18625 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848989 G | -27.29 | -14.29 |
| 1.849 G | 1.850 G | 50.00 k | 1.849820 G | -46.82 | -33.82 |
| 1.850 G | 1.855 G | 100.00 k | 1.850318 G | 20.90 | -9.10 |

Date: 4.APR.6302 03:38:48

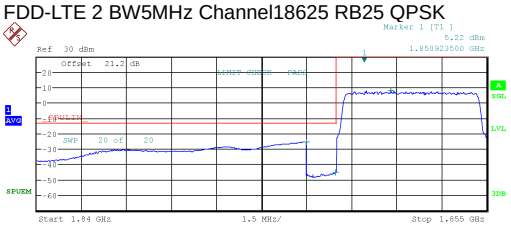
FDD-LTE 2 BW5MHz Channel18625 RB25 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848999 G | -25.18 | -12.18 |
| 1.849 G | 1.850 G | 50.00 k | 1.849979 G | -45.01 | -32.01 |
| 1.850 G | 1.855 G | 100.00 k | 1.850794 G | 6.50 | -23.50 |

Date: 4.APR.6302 03:40:09

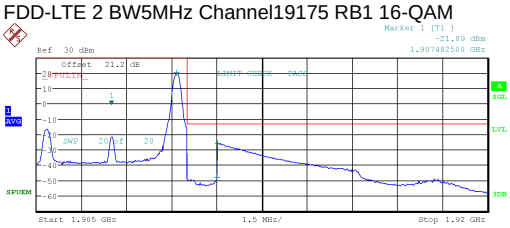
FDD-LTE 2 BW5MHz Channel18625 RB25 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848993 G | -25.53 | -12.53 |
| 1.849 G | 1.850 G | 50.00 k | 1.849958 G | -45.46 | -32.46 |
| 1.850 G | 1.855 G | 100.00 k | 1.851802 G | 7.77 | -22.23 |

Date: 4.APR.6302 03:39:15

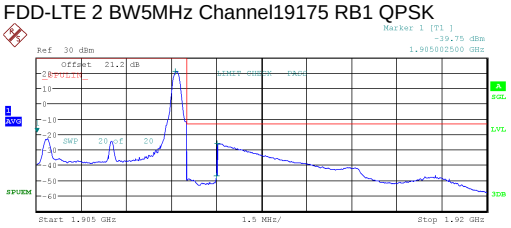
FDD-LTE 2 BW5MHz Channel19175 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.905 G | 1.910 G | 100.00 k | 1.909647 G | 20.00 | -10.00 |
| 1.910 G | 1.911 G | 50.00 k | 1.910997 G | -48.07 | -35.07 |
| 1.911 G | 1.920 G | 1.00 M | 1.911009 G | -25.94 | -12.94 |

Date: 4.APR.6302 03:48:15

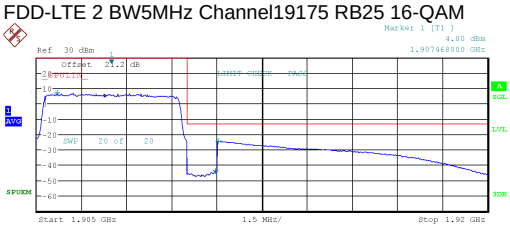
FDD-LTE 2 BW5MHz Channel19175 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.905 G | 1.910 G | 100.00 k | 1.909626 G | 20.68 | -9.32 |
| 1.910 G | 1.911 G | 50.00 k | 1.910995 G | -47.20 | -34.20 |
| 1.911 G | 1.920 G | 1.00 M | 1.911011 G | -25.98 | -12.98 |

Date: 4.APR.6302 03:47:23

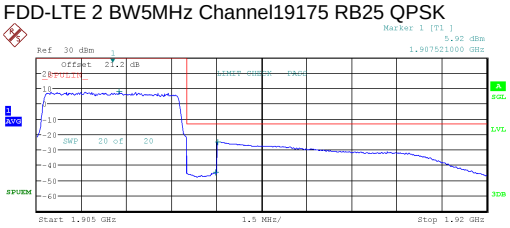
FDD-LTE 2 BW5MHz Channel19175 RB25 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.905 G | 1.910 G | 100.00 k | 1.905672 G | 6.90 | -23.10 |
| 1.910 G | 1.911 G | 50.00 k | 1.910931 G | -44.06 | -31.06 |
| 1.911 G | 1.920 G | 1.00 M | 1.911037 G | -24.55 | -11.55 |

Date: 4.APR.6302 03:48:41

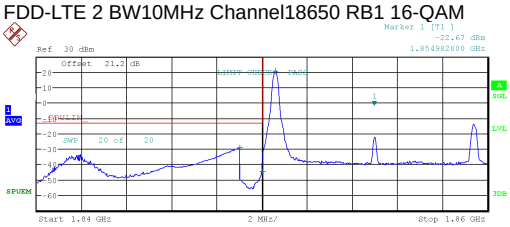
FDD-LTE 2 BW5MHz Channel19175 RB25 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.905 G | 1.910 G | 100.00 k | 1.907733 G | 7.62 | -22.38 |
| 1.910 G | 1.911 G | 50.00 k | 1.910956 G | -44.88 | -31.88 |
| 1.911 G | 1.920 G | 1.00 M | 1.911029 G | -24.98 | -11.98 |

Date: 4.APR.6302 03:47:49

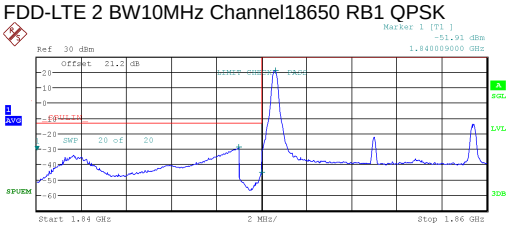
FDD-LTE 2 BW10MHz Channel18650 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848897 G | -29.38 | -16.38 |
| 1.849 G | 1.850 G | 100.00 k | 1.849995 G | -45.06 | -32.06 |
| 1.850 G | 1.860 G | 100.00 k | 1.850586 G | 20.55 | -9.45 |

Date: 4.APR.6302 03:54:36

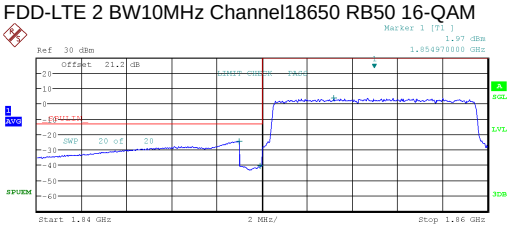
FDD-LTE 2 BW10MHz Channel18650 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848969 G | -29.03 | -16.03 |
| 1.849 G | 1.850 G | 100.00 k | 1.849999 G | -45.20 | -32.20 |
| 1.850 G | 1.860 G | 100.00 k | 1.850603 G | 20.69 | -9.31 |

Date: 4.APR.6302 03:53:42

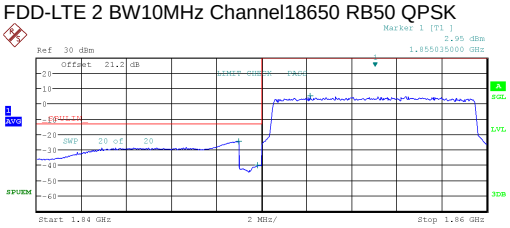
FDD-LTE 2 BW10MHz Channel18650 RB50 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848989 G | -24.65 | -11.65 |
| 1.849 G | 1.850 G | 100.00 k | 1.849912 G | -40.73 | -27.73 |
| 1.850 G | 1.860 G | 100.00 k | 1.853103 G | 3.51 | -26.49 |

Date: 4.APR.6302 03:55:04

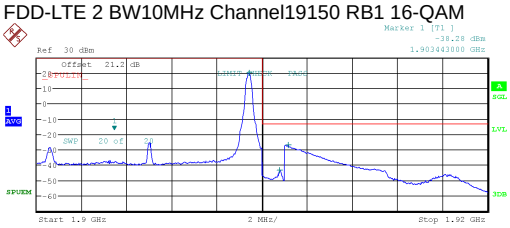
FDD-LTE 2 BW10MHz Channel18650 RB50 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848987 G | -24.82 | -11.82 |
| 1.849 G | 1.850 G | 100.00 k | 1.849813 G | -40.04 | -27.04 |
| 1.850 G | 1.860 G | 100.00 k | 1.852137 G | 4.65 | -25.35 |

Date: 4.APR.6302 03:54:09

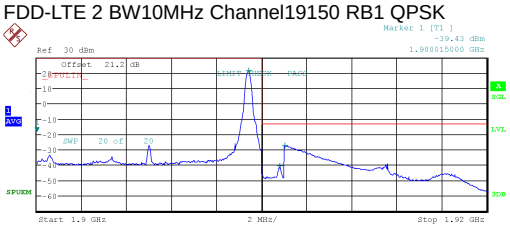
FDD-LTE 2 BW10MHz Channel19150 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.900 G | 1.910 G | 100.00 k | 1.909421 G | 19.96 | -10.04 |
| 1.910 G | 1.911 G | 100.00 k | 1.910774 G | -43.27 | -30.27 |
| 1.911 G | 1.920 G | 1.00 M | 1.911140 G | -27.22 | -14.22 |

Date: 4.APR.6302 04:03:28

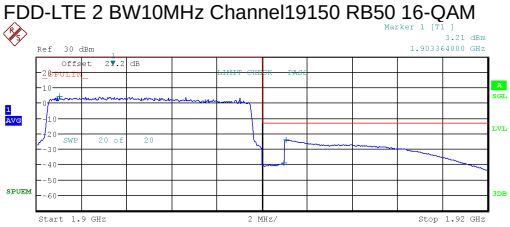
FDD-LTE 2 BW10MHz Channel19150 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.900 G | 1.910 G | 100.00 k | 1.909424 G | 21.21 | -8.79 |
| 1.910 G | 1.911 G | 100.00 k | 1.910790 G | -40.87 | -27.87 |
| 1.911 G | 1.920 G | 1.00 M | 1.911023 G | -27.61 | -14.61 |

Date: 4.APR.6302 04:02:35

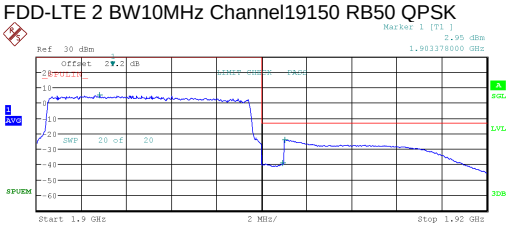
FDD-LTE 2 BW10MHz Channel19150 RB50 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.900 G | 1.910 G | 100.00 k | 1.900988 G | 4.03 | -25.97 |
| 1.910 G | 1.911 G | 100.00 k | 1.910973 G | -39.19 | -26.19 |
| 1.911 G | 1.920 G | 1.00 M | 1.911061 G | -24.29 | -11.29 |

Date: 4.APR.6302 04:03:54

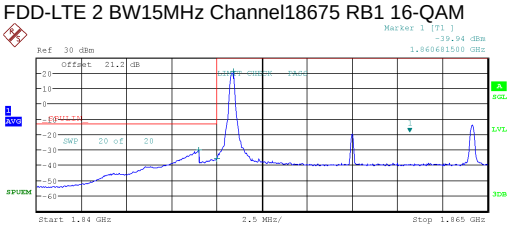
FDD-LTE 2 BW10MHz Channel19150 RB50 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.900 G | 1.910 G | 100.00 k | 1.902777 G | 5.06 | -24.94 |
| 1.910 G | 1.911 G | 100.00 k | 1.910931 G | -39.47 | -26.47 |
| 1.911 G | 1.920 G | 1.00 M | 1.911039 G | -24.11 | -11.11 |

Date: 4.APR.6302 04:03:01

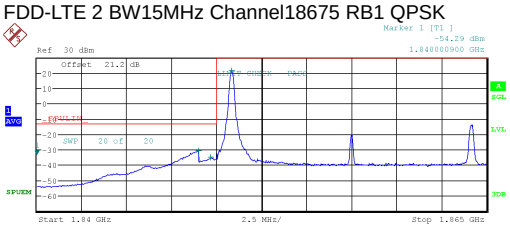
FDD-LTE 2 BW15MHz Channel18675 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848963 G | -30.51 | -17.51 |
| 1.849 G | 1.850 G | 200.00 k | 1.849986 G | -35.80 | -22.80 |
| 1.850 G | 1.865 G | 100.00 k | 1.850882 G | 20.70 | -9.30 |

Date: 4.APR.6302 04:10:04

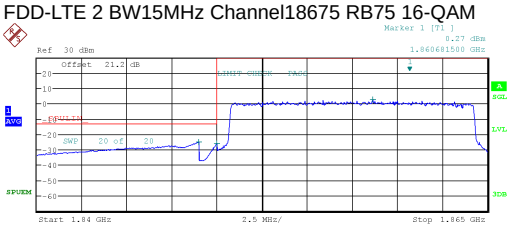
FDD-LTE 2 BW15MHz Channel18675 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848986 G | -30.83 | -17.83 |
| 1.849 G | 1.850 G | 200.00 k | 1.849675 G | -35.15 | -22.15 |
| 1.850 G | 1.865 G | 100.00 k | 1.850836 G | 21.09 | -8.91 |

Date: 4.APR.6302 04:09:09

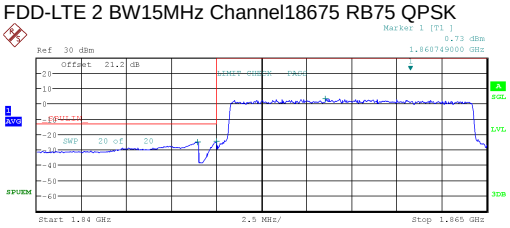
FDD-LTE 2 BW15MHz Channel18675 RB75 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848908 G | -25.21 | -12.21 |
| 1.849 G | 1.850 G | 200.00 k | 1.849973 G | -26.19 | -13.19 |
| 1.850 G | 1.865 G | 100.00 k | 1.858631 G | 2.37 | -27.63 |

Date: 4.APR.6302 04:10:31

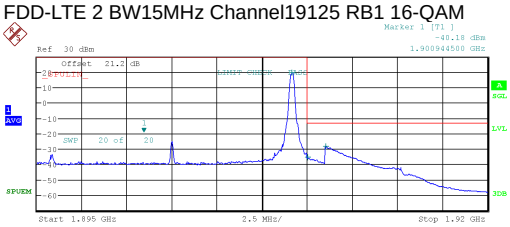
FDD-LTE 2 BW15MHz Channel18675 RB75 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848929 G | -25.35 | -12.35 |
| 1.849 G | 1.850 G | 200.00 k | 1.849994 G | -24.51 | -11.51 |
| 1.850 G | 1.865 G | 100.00 k | 1.856009 G | 3.11 | -26.89 |

Date: 4.APR.6302 04:09:37

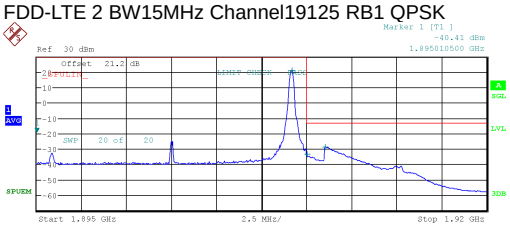
FDD-LTE 2 BW15MHz Channel19125 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.895 G | 1.910 G | 100.00 k | 1.909144 G | 15.64 | -10.36 |
| 1.910 G | 1.911 G | 200.00 k | 1.910016 G | -35.64 | -22.64 |
| 1.911 G | 1.920 G | 1.00 M | 1.911032 G | -28.52 | -15.52 |

Date: 4.APR.6302 04:19:18

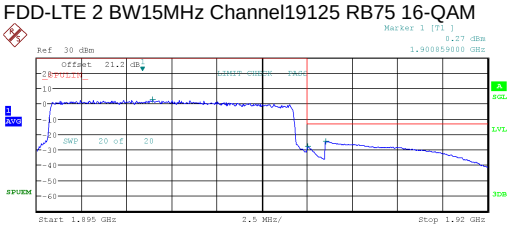
FDD-LTE 2 BW15MHz Channel19125 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.895 G | 1.910 G | 100.00 k | 1.908186 G | 20.95 | -9.05 |
| 1.910 G | 1.911 G | 200.00 k | 1.910005 G | -33.48 | -20.48 |
| 1.911 G | 1.920 G | 1.00 M | 1.911012 G | -28.71 | -15.71 |

Date: 4.APR.6302 04:18:24

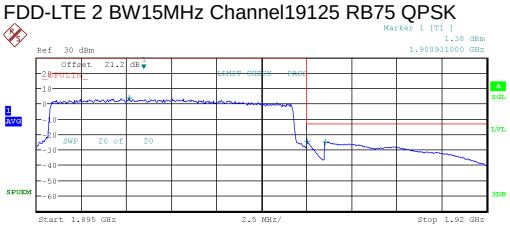
FDD-LTE 2 BW15MHz Channel19125 RB75 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.895 G | 1.910 G | 100.00 k | 1.901410 G | 2.33 | -27.67 |
| 1.910 G | 1.911 G | 200.00 k | 1.910009 G | -27.96 | -14.96 |
| 1.911 G | 1.920 G | 1.00 M | 1.911031 G | -24.75 | -11.75 |

Date: 4.APR.6302 04:19:45

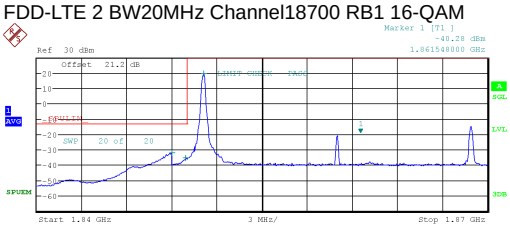
FDD-LTE 2 BW15MHz Channel19125 RB75 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.895 G | 1.910 G | 100.00 k | 1.900121 G | 3.29 | -26.71 |
| 1.910 G | 1.911 G | 200.00 k | 1.910021 G | -24.78 | -11.78 |
| 1.911 G | 1.920 G | 1.00 M | 1.911028 G | -24.99 | -11.99 |

Date: 4.APR.6302 04:18:51

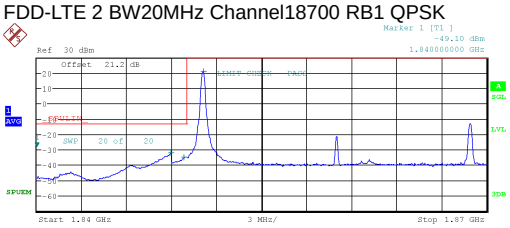
FDD-LTE 2 BW20MHz Channel18700 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848969 G | -32.14 | -19.14 |
| 1.849 G | 1.850 G | 200.00 k | 1.849922 G | -35.60 | -22.60 |
| 1.850 G | 1.870 G | 100.00 k | 1.851120 G | 19.38 | -10.62 |

Date: 4.APR.6302 04:25:58

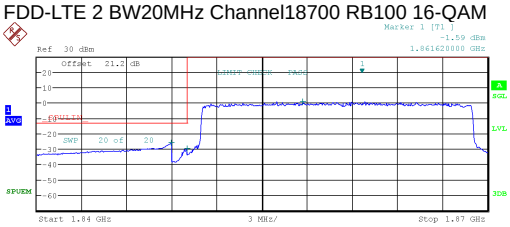
FDD-LTE 2 BW20MHz Channel18700 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848930 G | -32.25 | -19.25 |
| 1.849 G | 1.850 G | 200.00 k | 1.849813 G | -34.96 | -21.96 |
| 1.850 G | 1.870 G | 100.00 k | 1.851102 G | 20.74 | -9.26 |

Date: 4.APR.6302 04:25:03

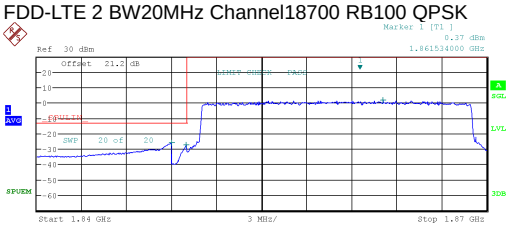
FDD-LTE 2 BW20MHz Channel18700 RB100 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848850 G | -26.22 | -13.22 |
| 1.849 G | 1.850 G | 200.00 k | 1.849996 G | -29.64 | -16.64 |
| 1.850 G | 1.870 G | 100.00 k | 1.857670 G | 0.76 | -29.24 |

Date: 4.APR.6302 04:26:25

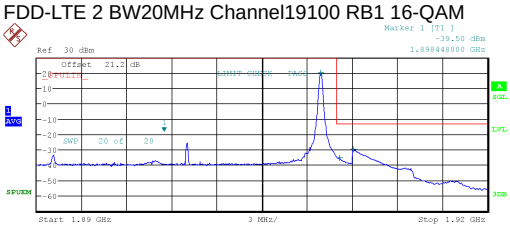
FDD-LTE 2 BW20MHz Channel18700 RB100 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.840 G | 1.849 G | 1.00 M | 1.848992 G | -26.11 | -13.11 |
| 1.849 G | 1.850 G | 200.00 k | 1.849947 G | -27.71 | -14.71 |
| 1.850 G | 1.870 G | 100.00 k | 1.863088 G | 1.69 | -28.31 |

Date: 4.APR.6302 04:25:31

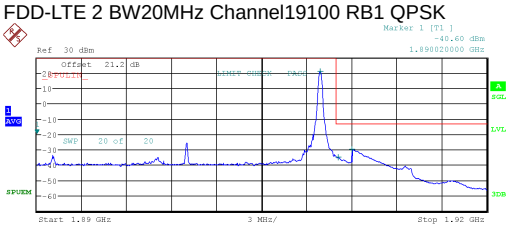
FDD-LTE 2 BW20MHz Channel19100 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.890 G | 1.910 G | 100.00 k | 1.908906 G | 20.01 | -9.99 |
| 1.910 G | 1.911 G | 200.00 k | 1.910129 G | -35.31 | -22.31 |
| 1.911 G | 1.920 G | 1.00 M | 1.911060 G | -30.00 | -17.00 |

Date: 4.APR.6302 04:35:19

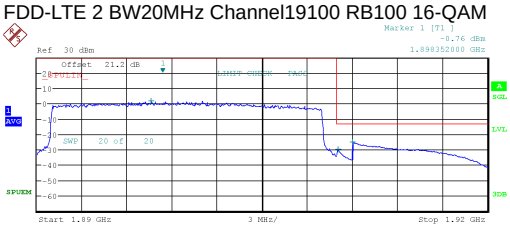
FDD-LTE 2 BW20MHz Channel19100 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.890 G | 1.910 G | 100.00 k | 1.908886 G | 21.00 | -9.00 |
| 1.910 G | 1.911 G | 200.00 k | 1.910112 G | -35.06 | -22.06 |
| 1.911 G | 1.920 G | 1.00 M | 1.911028 G | -30.02 | -17.02 |

Date: 4.APR.6302 04:34:26

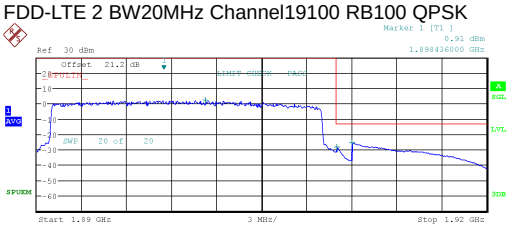
FDD-LTE 2 BW20MHz Channel19100 RB100 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.890 G | 1.910 G | 100.00 k | 1.897594 G | 1.50 | -28.50 |
| 1.910 G | 1.911 G | 200.00 k | 1.910051 G | -29.88 | -16.88 |
| 1.911 G | 1.920 G | 1.00 M | 1.911002 G | -25.23 | -12.23 |

Date: 4.APR.6302 04:35:45

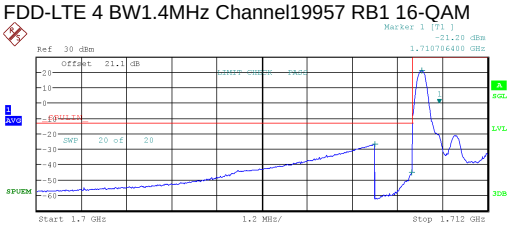
FDD-LTE 2 BW20MHz Channel19100 RB100 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.890 G | 1.910 G | 100.00 k | 1.901236 G | 1.86 | -28.14 |
| 1.910 G | 1.911 G | 200.00 k | 1.910005 G | -28.40 | -15.40 |
| 1.911 G | 1.920 G | 1.00 M | 1.911013 G | -25.66 | -12.66 |

Date: 4.APR.6302 04:34:53

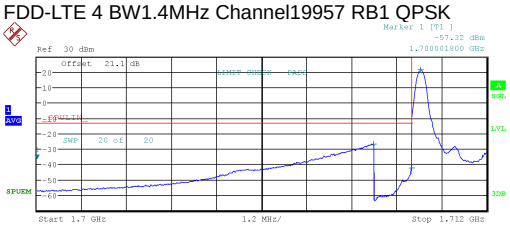
FDD-LTE 4 BW1.4MHz Channel19957 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708895 G | -26.83 | -13.83 |
| 1.709 G | 1.710 G | 20.00 k | 1.709988 G | -45.48 | -32.48 |
| 1.710 G | 1.712 G | 100.00 k | 1.710247 G | 20.92 | -9.08 |

Date: 4.APR.6302 04:41:53

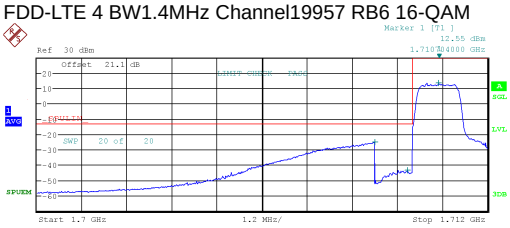
FDD-LTE 4 BW1.4MHz Channel19957 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708981 G | -27.09 | -14.09 |
| 1.709 G | 1.710 G | 20.00 k | 1.709995 G | -42.70 | -29.70 |
| 1.710 G | 1.712 G | 100.00 k | 1.710227 G | 21.32 | -8.68 |

Date: 4.APR.6302 04:41:00

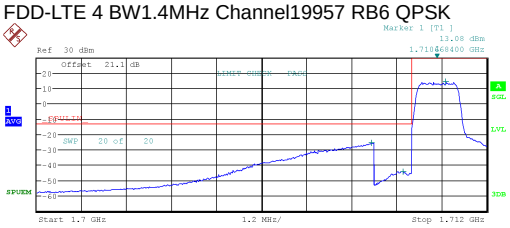
FDD-LTE 4 BW1.4MHz Channel19957 RB6 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708991 G | -25.21 | -12.21 |
| 1.709 G | 1.710 G | 20.00 k | 1.709868 G | -43.27 | -30.27 |
| 1.710 G | 1.712 G | 100.00 k | 1.710686 G | 13.54 | -16.46 |

Date: 4.APR.6302 04:42:20

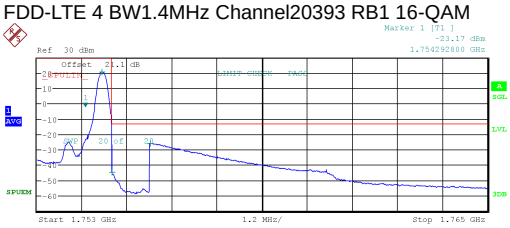
FDD-LTE 4 BW1.4MHz Channel19957 RB6 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708918 G | -25.78 | -12.78 |
| 1.709 G | 1.710 G | 20.00 k | 1.709760 G | -44.19 | -31.19 |
| 1.710 G | 1.712 G | 100.00 k | 1.710897 G | 14.09 | -15.91 |

Date: 4.APR.6302 04:41:26

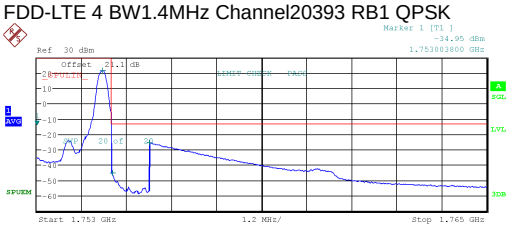
FDD-LTE 4 BW1.4MHz Channel20393 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.753 G | 1.755 G | 100.00 k | 1.754733 G | 20.36 | -9.64 |
| 1.755 G | 1.756 G | 20.00 k | 1.755001 G | -44.85 | -31.85 |
| 1.756 G | 1.765 G | 1.00 M | 1.756025 G | -25.90 | -12.90 |

Date: 4.APR.6302 04:51:06

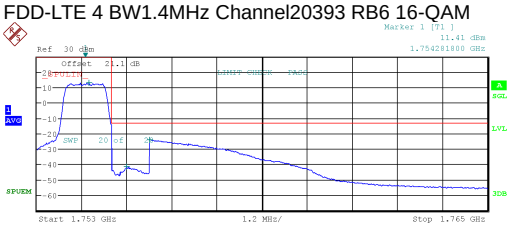
FDD-LTE 4 BW1.4MHz Channel20393 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.753 G | 1.755 G | 100.00 k | 1.754752 G | 21.53 | -8.47 |
| 1.755 G | 1.756 G | 20.00 k | 1.755016 G | -45.45 | -32.45 |
| 1.756 G | 1.765 G | 1.00 M | 1.756000 G | -25.42 | -12.42 |

Date: 4.APR.6302 04:50:12

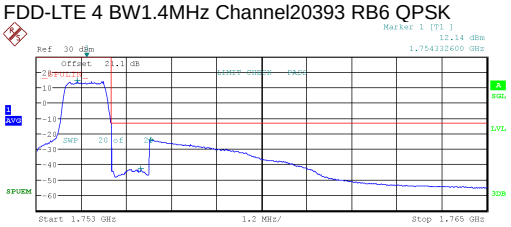
FDD-LTE 4 BW1.4MHz Channel20393 RB6 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.753 G | 1.755 G | 100.00 k | 1.754383 G | 13.02 | -16.98 |
| 1.755 G | 1.756 G | 20.00 k | 1.755376 G | -41.46 | -28.46 |
| 1.756 G | 1.765 G | 1.00 M | 1.756001 G | -24.31 | -11.31 |

Date: 4.APR.6302 04:51:32

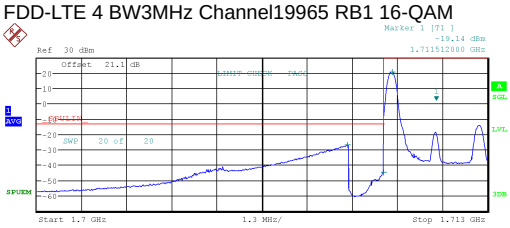
FDD-LTE 4 BW1.4MHz Channel20393 RB6 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.753 G | 1.755 G | 100.00 k | 1.754085 G | 14.10 | -15.90 |
| 1.755 G | 1.756 G | 20.00 k | 1.755775 G | -42.94 | -29.94 |
| 1.756 G | 1.765 G | 1.00 M | 1.756048 G | -24.20 | -11.20 |

Date: 4.APR.6302 04:50:39

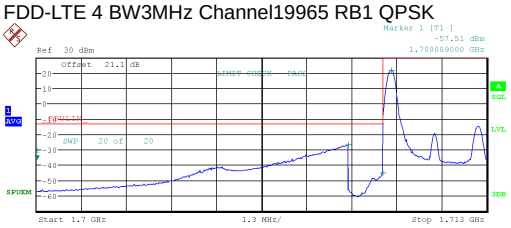
FDD-LTE 4 BW3MHz Channel19965 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708964 G | -27.17 | -14.17 |
| 1.709 G | 1.710 G | 30.00 k | 1.709999 G | -44.78 | -31.78 |
| 1.710 G | 1.713 G | 100.00 k | 1.710257 G | 20.50 | -9.50 |

Date: 4.APR.6302 04:57:39

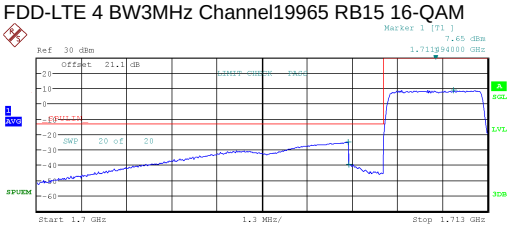
FDD-LTE 4 BW3MHz Channel19965 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708999 G | -27.04 | -14.04 |
| 1.709 G | 1.710 G | 30.00 k | 1.709991 G | -45.13 | -32.13 |
| 1.710 G | 1.713 G | 100.00 k | 1.710242 G | 21.40 | -8.60 |

Date: 4.APR.6302 04:56:46

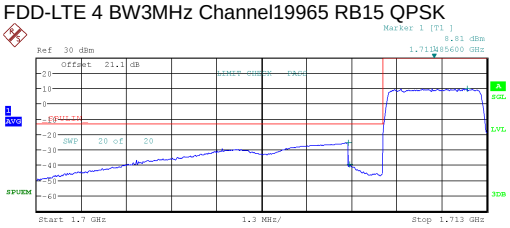
FDD-LTE 4 BW3MHz Channel19965 RB15 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708975 G | -25.28 | -12.28 |
| 1.709 G | 1.710 G | 30.00 k | 1.709009 G | -39.57 | -26.57 |
| 1.710 G | 1.713 G | 100.00 k | 1.712017 G | 8.78 | -21.22 |

Date: 4.APR.6302 04:58:06

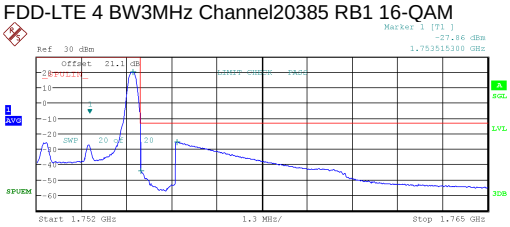
FDD-LTE 4 BW3MHz Channel19965 RB15 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708997 G | -25.58 | -12.58 |
| 1.709 G | 1.710 G | 30.00 k | 1.709045 G | -39.80 | -26.80 |
| 1.710 G | 1.713 G | 100.00 k | 1.712435 G | 9.81 | -20.19 |

Date: 4.APR.6302 04:57:13

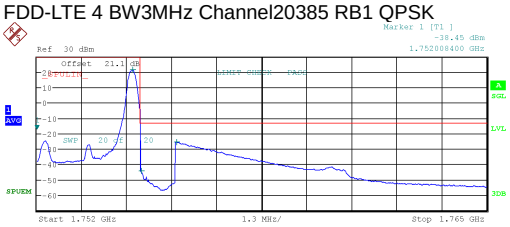
FDD-LTE 4 BW3MHz Channel20385 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.754768 G | 20.07 | -9.93 |
| 1.755 G | 1.756 G | 30.00 k | 1.755005 G | -44.37 | -31.37 |
| 1.756 G | 1.765 G | 1.00 M | 1.756032 G | -25.69 | -12.69 |

Date: 4.APR.6302 05:06:50

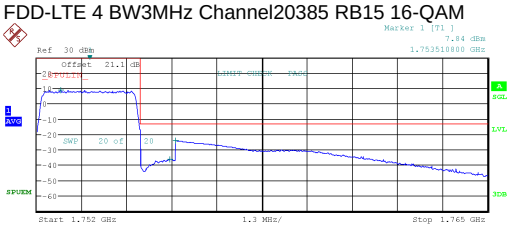
FDD-LTE 4 BW3MHz Channel20385 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.754779 G | 21.12 | -8.88 |
| 1.755 G | 1.756 G | 30.00 k | 1.755016 G | -44.51 | -31.51 |
| 1.756 G | 1.765 G | 1.00 M | 1.756041 G | -25.72 | -12.72 |

Date: 4.APR.6302 05:05:56

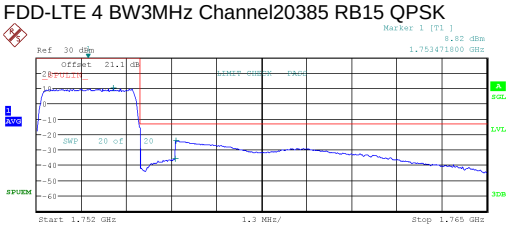
FDD-LTE 4 BW3MHz Channel20385 RB15 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.752688 G | 8.82 | -21.18 |
| 1.755 G | 1.756 G | 30.00 k | 1.755835 G | -36.28 | -23.28 |
| 1.756 G | 1.765 G | 1.00 M | 1.756007 G | -24.38 | -11.38 |

Date: 4.APR.6302 05:07:17

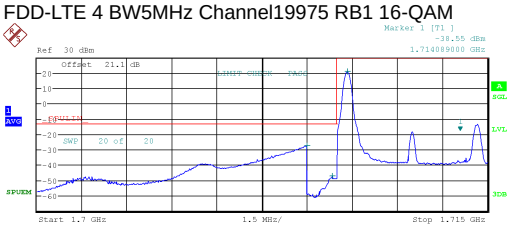
FDD-LTE 4 BW3MHz Channel20385 RB15 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.754209 G | 9.91 | -20.09 |
| 1.755 G | 1.756 G | 30.00 k | 1.755991 G | -36.18 | -23.18 |
| 1.756 G | 1.765 G | 1.00 M | 1.756017 G | -24.46 | -11.46 |

Date: 4.APR.6302 05:06:23

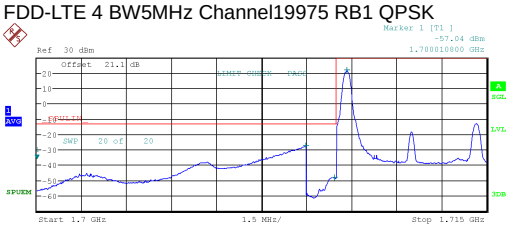
FDD-LTE 4 BW5MHz Channel19975 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708988 G | -27.63 | -14.63 |
| 1.709 G | 1.710 G | 50.00 k | 1.709835 G | -47.31 | -34.31 |
| 1.710 G | 1.715 G | 100.00 k | 1.710325 G | 20.92 | -9.08 |

Date: 4.APR.6302 05:13:28

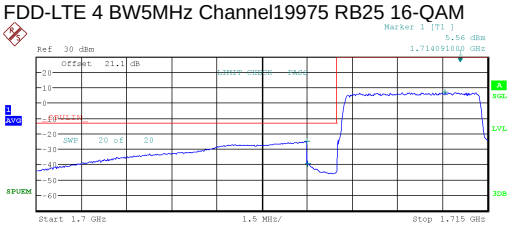
FDD-LTE 4 BW5MHz Channel19975 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708969 G | -27.61 | -14.61 |
| 1.709 G | 1.710 G | 50.00 k | 1.709926 G | -48.04 | -35.04 |
| 1.710 G | 1.715 G | 100.00 k | 1.710341 G | 21.61 | -8.39 |

Date: 4.APR.6302 05:12:37

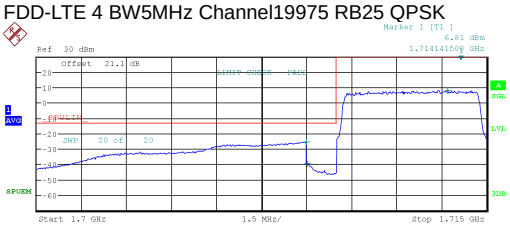
FDD-LTE 4 BW5MHz Channel19975 RB25 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708894 G | -25.19 | -12.19 |
| 1.709 G | 1.710 G | 50.00 k | 1.709010 G | -39.93 | -26.93 |
| 1.710 G | 1.715 G | 100.00 k | 1.713593 G | 6.89 | -23.11 |

Date: 4.APR.6302 05:13:54

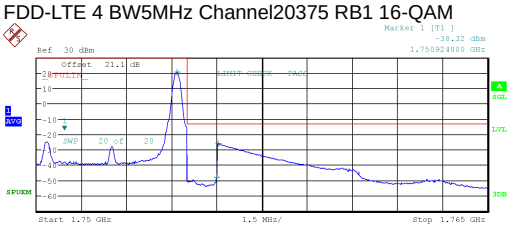
FDD-LTE 4 BW5MHz Channel19975 RB25 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708992 G | -25.63 | -12.63 |
| 1.709 G | 1.710 G | 50.00 k | 1.709022 G | -39.89 | -26.89 |
| 1.710 G | 1.715 G | 100.00 k | 1.713709 G | 7.82 | -22.18 |

Date: 4.APR.6302 05:13:03

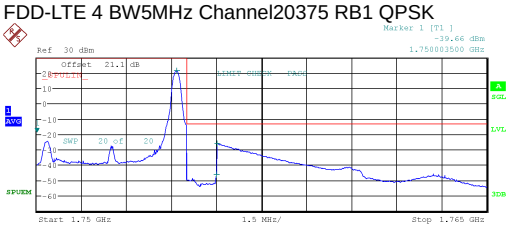
FDD-LTE 4 BW5MHz Channel20375 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.750 G | 1.755 G | 100.00 k | 1.754666 G | 20.30 | -9.70 |
| 1.755 G | 1.756 G | 50.00 k | 1.755996 G | -48.14 | -35.14 |
| 1.756 G | 1.765 G | 1.00 M | 1.756030 G | -26.18 | -13.18 |

Date: 4.APR.6302 05:22:56

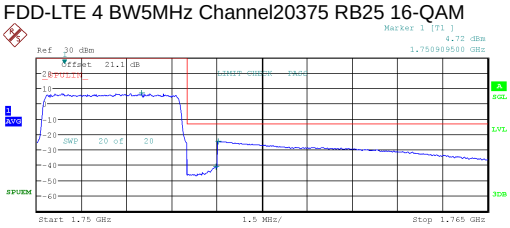
FDD-LTE 4 BW5MHz Channel20375 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.750 G | 1.755 G | 100.00 k | 1.754667 G | 21.19 | -8.81 |
| 1.755 G | 1.756 G | 50.00 k | 1.755997 G | -46.51 | -33.51 |
| 1.756 G | 1.765 G | 1.00 M | 1.756004 G | -26.27 | -13.27 |

Date: 4.APR.6302 05:22:01

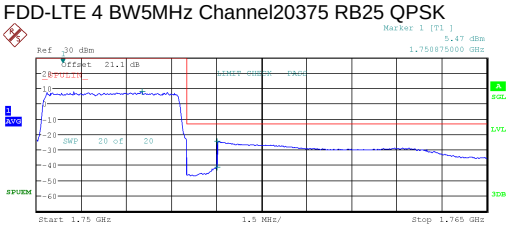
FDD-LTE 4 BW5MHz Channel20375 RB25 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.750 G | 1.755 G | 100.00 k | 1.753489 G | 6.78 | -23.22 |
| 1.755 G | 1.756 G | 50.00 k | 1.755950 G | -41.16 | -28.16 |
| 1.756 G | 1.765 G | 1.00 M | 1.756027 G | -24.54 | -11.54 |

Date: 4.APR.6302 05:23:24

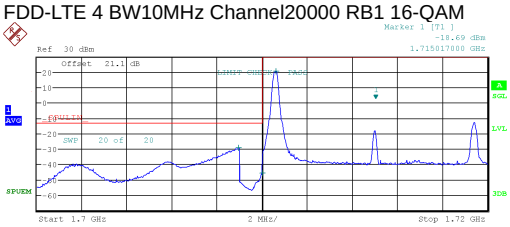
FDD-LTE 4 BW5MHz Channel20375 RB25 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.750 G | 1.755 G | 100.00 k | 1.753506 G | 7.63 | -22.37 |
| 1.755 G | 1.756 G | 50.00 k | 1.756000 G | -41.43 | -28.43 |
| 1.756 G | 1.765 G | 1.00 M | 1.756000 G | -24.83 | -11.83 |

Date: 4.APR.6302 05:22:28

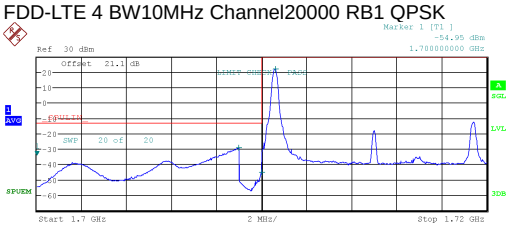
FDD-LTE 4 BW10MHz Channel20000 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708545 G | -29.49 | -16.49 |
| 1.709 G | 1.710 G | 100.00 k | 1.709998 G | -45.64 | -32.64 |
| 1.710 G | 1.720 G | 100.00 k | 1.710608 G | 20.22 | -9.78 |

Date: 4.APR.6302 05:29:44

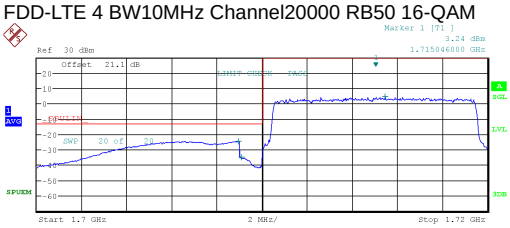
FDD-LTE 4 BW10MHz Channel20000 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708988 G | -29.35 | -16.35 |
| 1.709 G | 1.710 G | 100.00 k | 1.709998 G | -45.21 | -32.21 |
| 1.710 G | 1.720 G | 100.00 k | 1.710595 G | 21.91 | -8.09 |

Date: 4.APR.6302 05:28:50

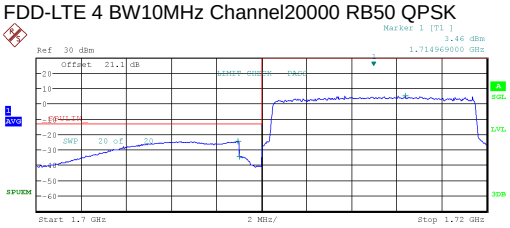
FDD-LTE 4 BW10MHz Channel20000 RB50 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708953 G | -24.55 | -11.55 |
| 1.709 G | 1.710 G | 100.00 k | 1.709059 G | -35.21 | -22.21 |
| 1.710 G | 1.720 G | 100.00 k | 1.715434 G | 4.52 | -25.48 |

Date: 4.APR.6302 05:30:11

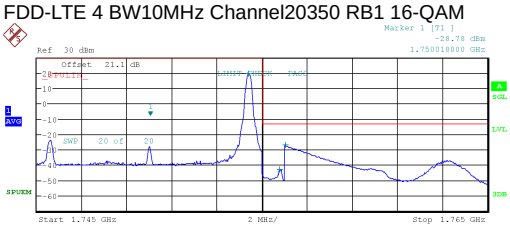
FDD-LTE 4 BW10MHz Channel20000 RB50 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708947 G | -24.72 | -11.72 |
| 1.709 G | 1.710 G | 100.00 k | 1.709018 G | -34.65 | -21.65 |
| 1.710 G | 1.720 G | 100.00 k | 1.716372 G | 4.98 | -25.02 |

Date: 4.APR.6302 05:29:17

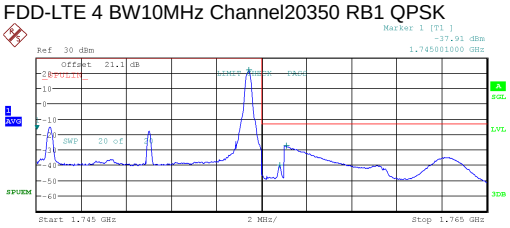
FDD-LTE 4 BW10MHz Channel20350 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.745 G | 1.755 G | 100.00 k | 1.754306 G | 19.57 | -10.43 |
| 1.755 G | 1.756 G | 100.00 k | 1.755771 G | -42.93 | -29.93 |
| 1.756 G | 1.765 G | 1.00 M | 1.756017 G | -27.23 | -14.23 |

Date: 4.APR.6302 05:39:38

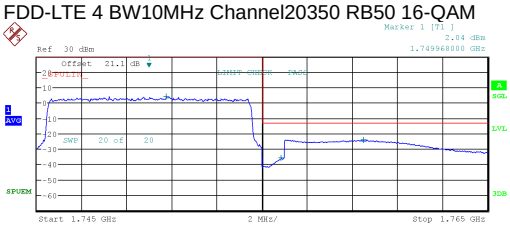
FDD-LTE 4 BW10MHz Channel20350 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.745 G | 1.755 G | 100.00 k | 1.754413 G | 21.55 | -8.45 |
| 1.755 G | 1.756 G | 100.00 k | 1.755789 G | -40.13 | -27.13 |
| 1.756 G | 1.765 G | 1.00 M | 1.756075 G | -27.70 | -14.70 |

Date: 4.APR.6302 05:38:43

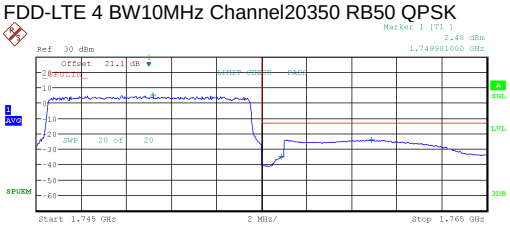
FDD-LTE 4 BW10MHz Channel20350 RB50 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.745 G | 1.755 G | 100.00 k | 1.750742 G | 3.76 | -26.24 |
| 1.755 G | 1.756 G | 100.00 k | 1.755845 G | -35.85 | -22.85 |
| 1.756 G | 1.765 G | 1.00 M | 1.759496 G | -24.18 | -11.18 |

Date: 4.APR.6302 05:40:05

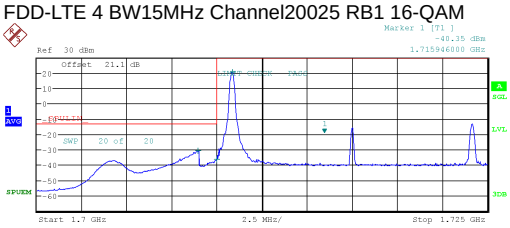
FDD-LTE 4 BW10MHz Channel20350 RB50 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.745 G | 1.755 G | 100.00 k | 1.750155 G | 5.11 | -24.89 |
| 1.755 G | 1.756 G | 100.00 k | 1.755867 G | -35.00 | -22.00 |
| 1.756 G | 1.765 G | 1.00 M | 1.759886 G | -24.23 | -11.23 |

Date: 4.APR.6302 05:39:10

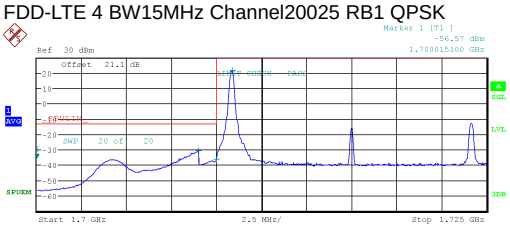
FDD-LTE 4 BW15MHz Channel20025 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708954 G | -30.89 | -17.89 |
| 1.709 G | 1.710 G | 200.00 k | 1.709993 G | -36.50 | -23.50 |
| 1.710 G | 1.725 G | 100.00 k | 1.710849 G | 20.44 | -9.56 |

Date: 4.APR.6302 05:46:39

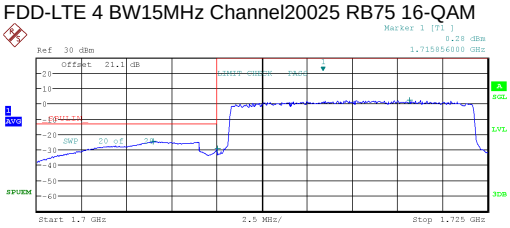
FDD-LTE 4 BW15MHz Channel20025 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708980 G | -30.94 | -17.94 |
| 1.709 G | 1.710 G | 200.00 k | 1.709990 G | -36.57 | -23.57 |
| 1.710 G | 1.725 G | 100.00 k | 1.710838 G | 21.31 | -8.69 |

Date: 4.APR.6302 05:45:44

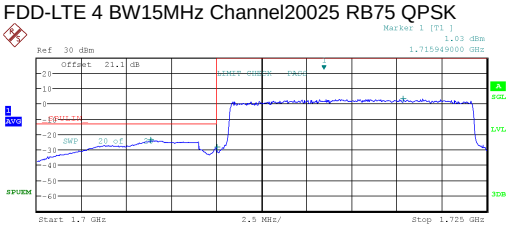
FDD-LTE 4 BW15MHz Channel20025 RB75 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.706434 G | -24.84 | -11.84 |
| 1.709 G | 1.710 G | 200.00 k | 1.709996 G | -29.41 | -16.41 |
| 1.710 G | 1.725 G | 100.00 k | 1.720673 G | 2.10 | -27.90 |

Date: 4.APR.6302 05:47:06

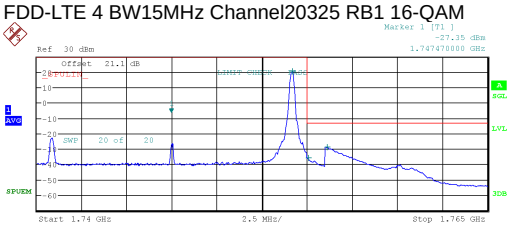
FDD-LTE 4 BW15MHz Channel20025 RB75 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.706314 G | -23.95 | -10.95 |
| 1.709 G | 1.710 G | 200.00 k | 1.709999 G | -28.54 | -15.54 |
| 1.710 G | 1.725 G | 100.00 k | 1.720338 G | 3.20 | -26.80 |

Date: 4.APR.6302 05:46:11

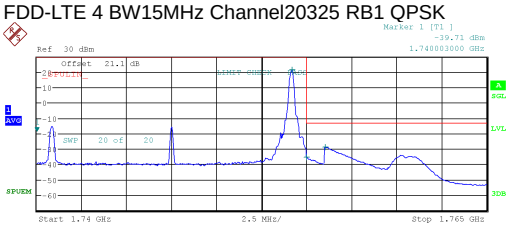
FDD-LTE 4 BW15MHz Channel20325 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.740 G | 1.755 G | 100.00 k | 1.754163 G | 20.15 | -9.85 |
| 1.755 G | 1.756 G | 200.00 k | 1.755062 G | -35.84 | -22.84 |
| 1.756 G | 1.765 G | 1.00 M | 1.756087 G | -28.80 | -15.80 |

Date: 4.APR.6302 05:56:55

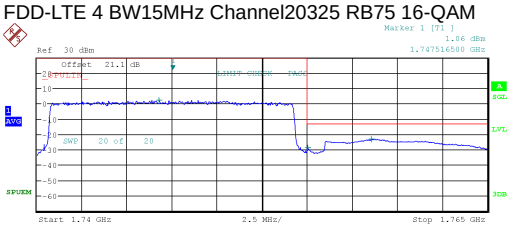
FDD-LTE 4 BW15MHz Channel20325 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.740 G | 1.755 G | 100.00 k | 1.754171 G | 21.12 | -8.88 |
| 1.755 G | 1.756 G | 200.00 k | 1.755000 G | -35.50 | -22.50 |
| 1.756 G | 1.765 G | 1.00 M | 1.756025 G | -29.05 | -16.05 |

Date: 4.APR.6302 05:55:58

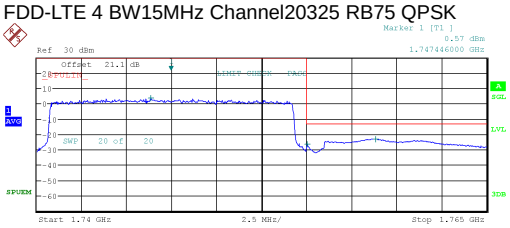
FDD-LTE 4 BW15MHz Channel20325 RB75 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.740 G | 1.755 G | 100.00 k | 1.746774 G | 2.18 | -27.82 |
| 1.755 G | 1.756 G | 200.00 k | 1.755019 G | -29.10 | -16.10 |
| 1.756 G | 1.765 G | 1.00 M | 1.758543 G | -23.30 | -10.30 |

Date: 4.APR.6302 05:57:24

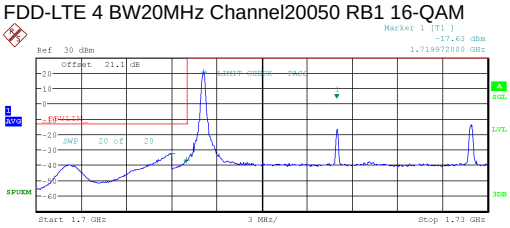
FDD-LTE 4 BW15MHz Channel20325 RB75 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.740 G | 1.755 G | 100.00 k | 1.746345 G | 3.52 | -26.48 |
| 1.755 G | 1.756 G | 200.00 k | 1.755006 G | -26.56 | -13.56 |
| 1.756 G | 1.765 G | 1.00 M | 1.758840 G | -23.18 | -10.18 |

Date: 4.APR.6302 05:56:27

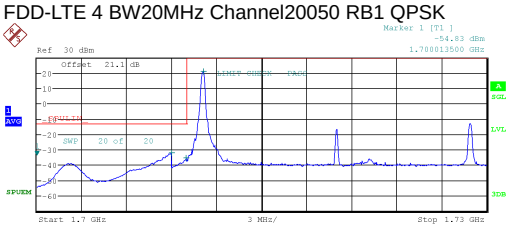
FDD-LTE 4 BW20MHz Channel20050 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708986 G | -32.45 | -19.45 |
| 1.709 G | 1.710 G | 200.00 k | 1.709937 G | -36.95 | -23.95 |
| 1.710 G | 1.730 G | 100.00 k | 1.711126 G | 20.28 | -9.72 |

Date: 4.APR.6302 06:04:02

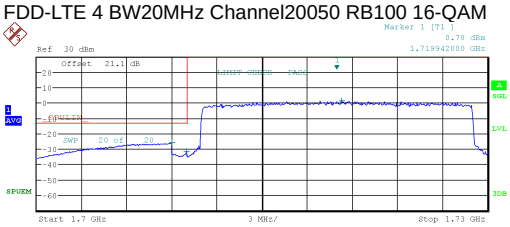
FDD-LTE 4 BW20MHz Channel20050 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708991 G | -32.26 | -19.26 |
| 1.709 G | 1.710 G | 200.00 k | 1.709956 G | -35.44 | -22.44 |
| 1.710 G | 1.730 G | 100.00 k | 1.711088 G | 21.06 | -8.94 |

Date: 4.APR.6302 06:03:07

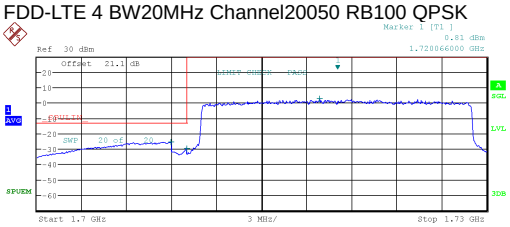
FDD-LTE 4 BW20MHz Channel20050 RB100 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708892 G | -26.14 | -13.14 |
| 1.709 G | 1.710 G | 200.00 k | 1.709969 G | -31.96 | -18.96 |
| 1.710 G | 1.730 G | 100.00 k | 1.720270 G | 1.10 | -28.90 |

Date: 4.APR.6302 06:04:29

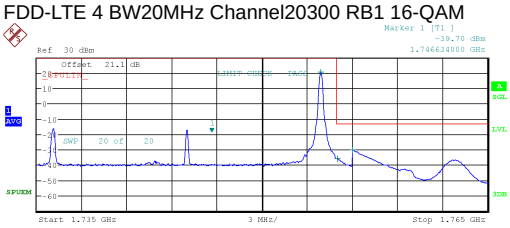
FDD-LTE 4 BW20MHz Channel20050 RB100 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708946 G | -25.68 | -12.68 |
| 1.709 G | 1.710 G | 200.00 k | 1.709998 G | -29.76 | -16.76 |
| 1.710 G | 1.730 G | 100.00 k | 1.718868 G | 2.38 | -27.62 |

Date: 4.APR.6302 06:03:35

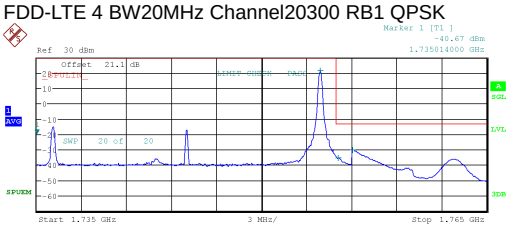
FDD-LTE 4 BW20MHz Channel20300 RB1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.735 G | 1.755 G | 100.00 k | 1.753896 G | 20.38 | -9.62 |
| 1.755 G | 1.756 G | 200.00 k | 1.755008 G | -35.91 | -22.91 |
| 1.756 G | 1.765 G | 1.00 M | 1.756011 G | -30.11 | -17.11 |

Date: 4.APR.6302 06:14:24

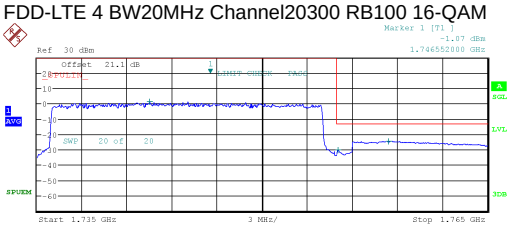
FDD-LTE 4 BW20MHz Channel20300 RB1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.735 G | 1.755 G | 100.00 k | 1.753914 G | 21.14 | -8.86 |
| 1.755 G | 1.756 G | 200.00 k | 1.755098 G | -35.30 | -22.30 |
| 1.756 G | 1.765 G | 1.00 M | 1.756059 G | -30.13 | -17.13 |

Date: 4.APR.6302 06:13:29

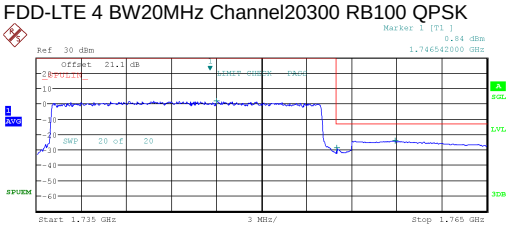
FDD-LTE 4 BW20MHz Channel20300 RB100 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.735 G | 1.755 G | 100.00 k | 1.742480 G | 1.31 | -28.69 |
| 1.755 G | 1.756 G | 200.00 k | 1.755059 G | -30.18 | -17.18 |
| 1.756 G | 1.765 G | 1.00 M | 1.758399 G | -24.59 | -11.59 |

Date: 4.APR.6302 06:14:52

FDD-LTE 4 BW20MHz Channel20300 RB100 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.735 G | 1.755 G | 100.00 k | 1.746984 G | 1.54 | -28.46 |
| 1.755 G | 1.756 G | 200.00 k | 1.755010 G | -29.01 | -16.01 |
| 1.756 G | 1.765 G | 1.00 M | 1.758904 G | -24.37 | -11.37 |

Date: 4.APR.6302 06:13:56

## 5.5 Conducted Spurious Emissions

### 5.5.1 Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power(P) by a factor of at least 43+10log(P) dB.

For band7, 41:
The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power(P) by a factor of at least 55+10log(P) dB.
It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its $10^{th}$ harmonic.

### 5.5.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

### 5.5.3 Test Procedure

a. The EUT was connected to the spectrum analyzer and system simulator via a power divider.

b. The RF output of the EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

c. The middle channel for the highest RF power within the transmitting frequency was measured.

d. The conducted spurious emission for the whole frequency range was taken.

e. Make the measurement with the spectrum analyzer's RBW=1MHz, VBW=3MHz.

f. Set spectrum analyzer with RMS detector.

g. Taking the record of maximum spurious emission.

i. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

j. The limit line is derived from 43+10log(P) dB below the transmitter power P(Watts).
=P(W)-[43+10log(P)](dB)

=[30+10log(P)](dBm)-[43+10log(P)](dB)

=-13dBm.

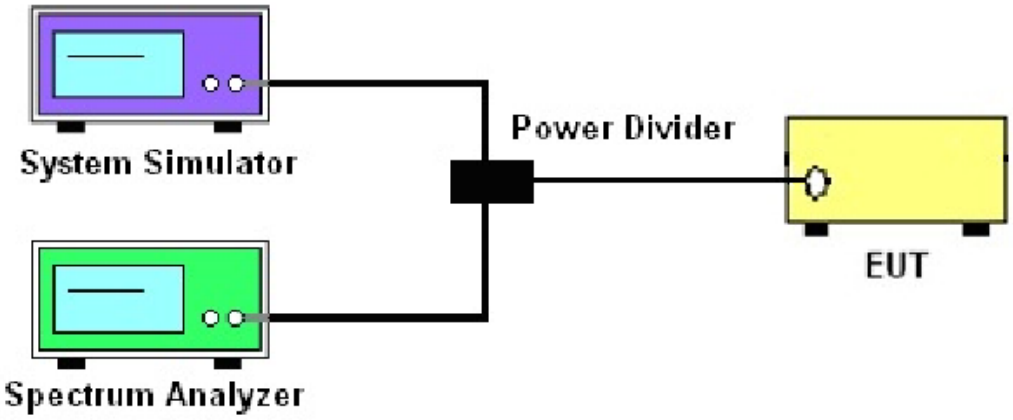
For Band7, 41

The limit line is derived from 55+10log(P) dB below the transmitter power P(Watts).
=P(W)-[55+10log(P)](dB)

=[30+10log(P)](dBm)-[55+10log(P)](dB)

=-25dBm.

### 5.5.4 Test Setup



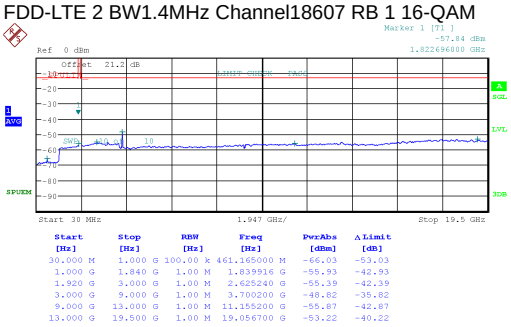

### 5.5.5 Test Result

| | FDD-LTE 2 | | | | | |
|---|---|---|---|---|---|---|
| | 1.4MHz/QPSK | | | 1.4MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |
| | 3MHz/QPSK | | | 3MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |
| | 5MHz/QPSK | | | 5MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |
| | 10MHz/QPSK | | | 10MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |
| | 15MHz/QPSK | | | 15MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |
| | 20MHz/QPSK | | | 20MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |

| | FDD-LTE 4 | | | | | |
|---|---|---|---|---|---|---|
| | 1.4MHz/QPSK | | | 1.4MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |
| | 3MHz/QPSK | | | 3MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |

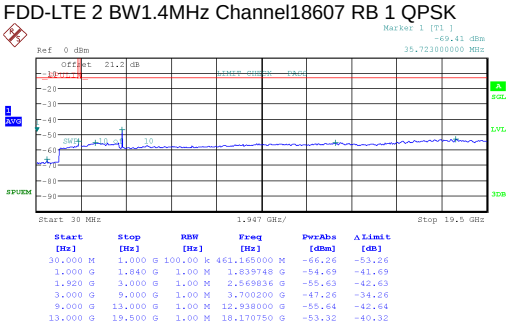
| | 5MHz/QPSK | | | 5MHz/16QAM | | |
|---|---|---|---|---|---|---|
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |
| | 10MHz/QPSK | | | 10MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |
| | 15MHz/QPSK | | | 15MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |
| | 20MHz/QPSK | | | 20MHz/16QAM | | |
| | Low | Mid | High | Low | Mid | High |
| 1RB | PASS | PASS | PASS | PASS | PASS | PASS |

FDD-LTE 2 BW1.4MHz Channel18607 RB 1 16-QAM



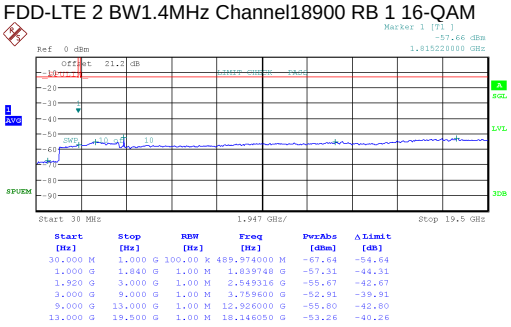

Date: 4.APR.6302 03:12:13

FDD-LTE 2 BW1.4MHz Channel18607 RB 1 QPSK



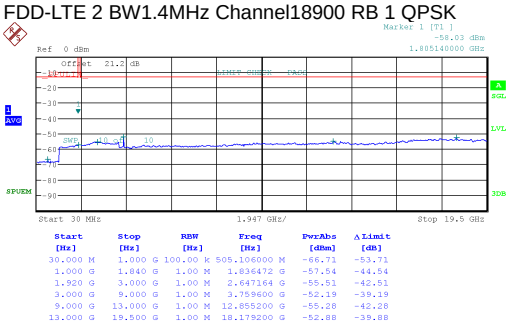

Date: 4.APR.6302 03:11:42

FDD-LTE 2 BW1.4MHz Channel18900 RB 1 16-QAM



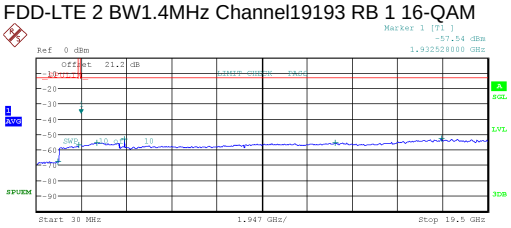

Date: 4.APR.6302 03:15:25

FDD-LTE 2 BW1.4MHz Channel18900 RB 1 QPSK




Date: 4.APR.6302 03:14:55

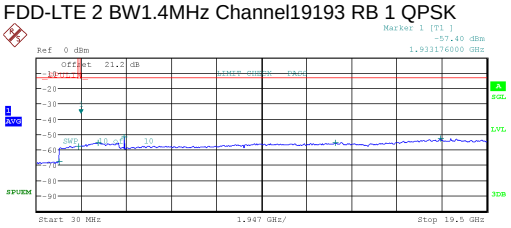
FDD-LTE 2 BW1.4MHz Channel19193 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 921.527000 M | -67.69 | -54.69 |
| 1.000 G | 1.840 G | 1.00 M | 1.834708 G | -57.14 | -44.14 |
| 1.920 G | 3.000 G | 1.00 M | 2.626104 G | -55.70 | -42.70 |
| 3.000 G | 9.000 G | 1.00 M | 3.817800 G | -53.34 | -40.34 |
| 9.000 G | 13.000 G | 1.00 M | 12.924400 G | -55.83 | -42.83 |
| 13.000 G | 19.500 G | 1.00 M | 17.490200 G | -53.02 | -40.02 |

Date: 4.APR.6302 03:20:32

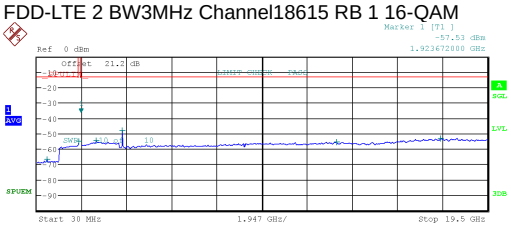
FDD-LTE 2 BW1.4MHz Channel19193 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 996.799000 M | -67.99 | -54.99 |
| 1.000 G | 1.840 G | 1.00 M | 1.833616 G | -57.78 | -44.78 |
| 1.920 G | 3.000 G | 1.00 M | 2.679888 G | -55.69 | -42.69 |
| 3.000 G | 9.000 G | 1.00 M | 3.817800 G | -52.02 | -39.02 |
| 9.000 G | 13.000 G | 1.00 M | 12.944800 G | -55.57 | -42.57 |
| 13.000 G | 19.500 G | 1.00 M | 17.499300 G | -52.73 | -39.73 |

Date: 4.APR.6302 03:20:01

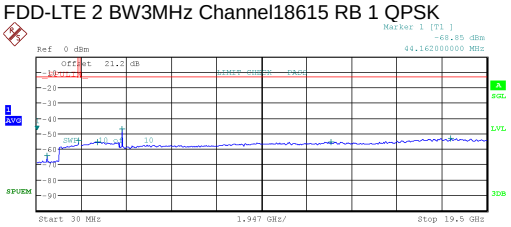
FDD-LTE 2 BW3MHz Channel18615 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 461.165000 M | -66.76 | -53.76 |
| 1.000 G | 1.840 G | 1.00 M | 1.839412 G | -55.08 | -42.08 |
| 1.920 G | 3.000 G | 1.00 M | 2.597700 G | -54.85 | -41.85 |
| 3.000 G | 9.000 G | 1.00 M | 3.700200 G | -48.26 | -35.26 |
| 9.000 G | 13.000 G | 1.00 M | 12.989200 G | -55.53 | -42.53 |
| 13.000 G | 19.500 G | 1.00 M | 17.485650 G | -53.28 | -40.28 |

Date: 4.APR.6302 03:26:40

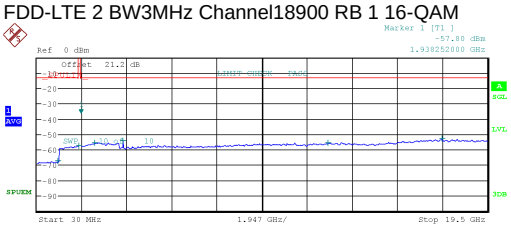
FDD-LTE 2 BW3MHz Channel18615 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 461.165000 M | -64.42 | -51.42 |
| 1.000 G | 1.840 G | 1.00 M | 1.839916 G | -54.60 | -41.60 |
| 1.920 G | 3.000 G | 1.00 M | 2.659476 G | -55.64 | -42.64 |
| 3.000 G | 9.000 G | 1.00 M | 3.700800 G | -47.32 | -34.32 |
| 9.000 G | 13.000 G | 1.00 M | 12.749200 G | -55.59 | -42.59 |
| 13.000 G | 19.500 G | 1.00 M | 17.934150 G | -53.14 | -40.14 |

Date: 4.APR.6302 03:26:09

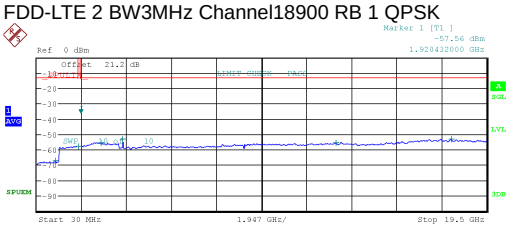
FDD-LTE 2 BW3MHz Channel18900 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 946.068000 M | -67.39 | -54.39 |
| 1.000 G | 1.840 G | 1.00 M | 1.836976 G | -57.58 | -44.58 |
| 1.920 G | 3.000 G | 1.00 M | 2.530092 G | -55.69 | -42.69 |
| 3.000 G | 9.000 G | 1.00 M | 3.757200 G | -54.07 | -41.07 |
| 9.000 G | 13.000 G | 1.00 M | 12.592000 G | -55.63 | -42.63 |
| 13.000 G | 19.500 G | 1.00 M | 17.521400 G | -53.00 | -40.00 |

Date: 4.APR.6302 03:29:50

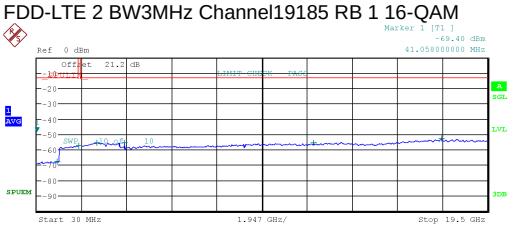
FDD-LTE 2 BW3MHz Channel18900 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 841.308000 M | -67.51 | -54.51 |
| 1.000 G | 1.840 G | 1.00 M | 1.833028 G | -57.80 | -44.80 |
| 1.920 G | 3.000 G | 1.00 M | 2.793720 G | -55.67 | -42.67 |
| 3.000 G | 9.000 G | 1.00 M | 3.757200 G | -53.41 | -40.41 |
| 9.000 G | 13.000 G | 1.00 M | 12.975600 G | -55.58 | -42.58 |
| 13.000 G | 19.500 G | 1.00 M | 17.984850 G | -53.33 | -40.33 |

Date: 4.APR.6302 03:29:19

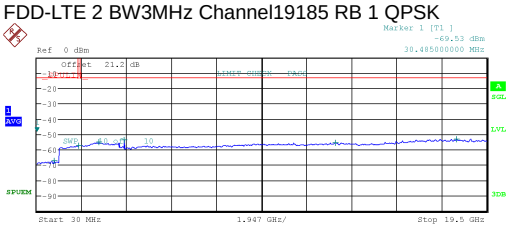
FDD-LTE 2 BW3MHz Channel19185 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 918.423000 M | -67.89 | -54.89 |
| 1.000 G | 1.840 G | 1.00 M | 1.838740 G | -57.36 | -44.36 |
| 1.920 G | 3.000 G | 1.00 M | 2.624808 G | -55.61 | -42.61 |
| 3.000 G | 9.000 G | 1.00 M | 3.814800 G | -55.47 | -42.47 |
| 9.000 G | 13.000 G | 1.00 M | 11.974800 G | -55.63 | -42.63 |
| 13.000 G | 19.500 G | 1.00 M | 17.494100 G | -52.90 | -39.90 |

Date: 4.APR.6302 03:35:01

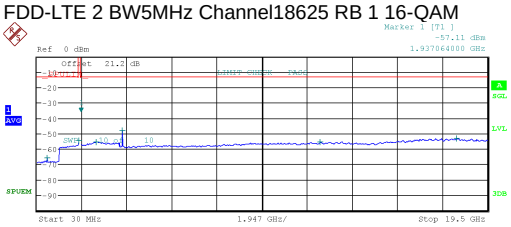
FDD-LTE 2 BW3MHz Channel19185 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 769.431000 M | -67.46 | -54.46 |
| 1.000 G | 1.840 G | 1.00 M | 1.834372 G | -57.39 | -44.39 |
| 1.920 G | 3.000 G | 1.00 M | 2.721360 G | -55.17 | -42.17 |
| 3.000 G | 9.000 G | 1.00 M | 3.814800 G | -53.60 | -40.60 |
| 9.000 G | 13.000 G | 1.00 M | 12.951600 G | -55.71 | -42.71 |
| 13.000 G | 19.500 G | 1.00 M | 18.179200 G | -53.15 | -40.15 |

Date: 4.APR.6302 03:34:30

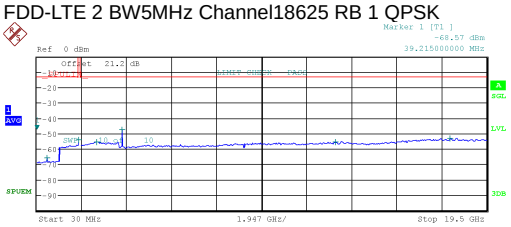
FDD-LTE 2 BW5MHz Channel18625 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 461.282000 M | -65.98 | -52.98 |
| 1.000 G | 1.840 G | 1.00 M | 1.839496 G | -54.90 | -41.90 |
| 1.920 G | 3.000 G | 1.00 M | 2.586252 G | -55.64 | -42.64 |
| 3.000 G | 9.000 G | 1.00 M | 3.700800 G | -48.31 | -35.31 |
| 9.000 G | 13.000 G | 1.00 M | 12.265600 G | -55.73 | -42.73 |
| 13.000 G | 19.500 G | 1.00 M | 18.162300 G | -53.08 | -40.08 |

Date: 4.APR.6302 03:41:15

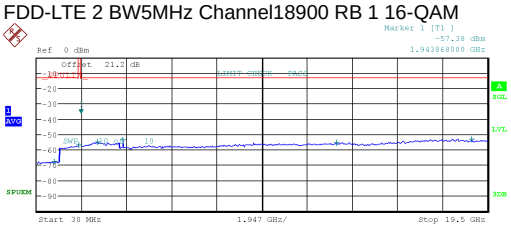
FDD-LTE 2 BW5MHz Channel18625 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 461.262000 M | -66.11 | -53.11 |
| 1.000 G | 1.840 G | 1.00 M | 1.839748 G | -54.08 | -41.08 |
| 1.920 G | 3.000 G | 1.00 M | 2.622972 G | -55.40 | -42.40 |
| 3.000 G | 9.000 G | 1.00 M | 3.700800 G | -47.63 | -34.63 |
| 9.000 G | 13.000 G | 1.00 M | 12.948800 G | -55.55 | -42.55 |
| 13.000 G | 19.500 G | 1.00 M | 17.914000 G | -53.21 | -40.21 |

Date: 4.APR.6302 03:40:44

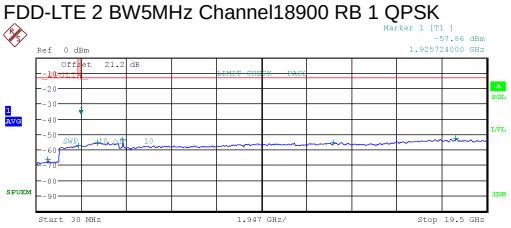
FDD-LTE 2 BW5MHz Channel18900 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 769.043000 M | -67.76 | -54.76 |
| 1.000 G | 1.840 G | 1.00 M | 1.837732 G | -57.06 | -44.06 |
| 1.920 G | 3.000 G | 1.00 M | 2.641440 G | -55.13 | -42.13 |
| 3.000 G | 9.000 G | 1.00 M | 3.755400 G | -53.74 | -40.74 |
| 9.000 G | 13.000 G | 1.00 M | 12.987600 G | -55.61 | -42.61 |
| 13.000 G | 19.500 G | 1.00 M | 18.822700 G | -53.27 | -40.27 |

Date: 4.APR.6302 03:44:32

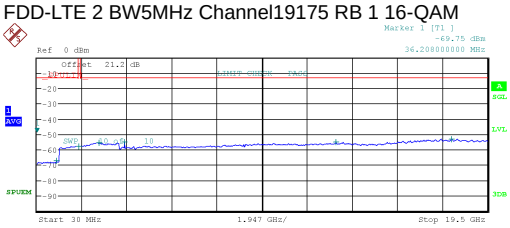
FDD-LTE 2 BW5MHz Channel18900 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 502.584000 M | -66.33 | -53.33 |
| 1.000 G | 1.840 G | 1.00 M | 1.839160 G | -57.43 | -44.43 |
| 1.920 G | 3.000 G | 1.00 M | 2.648028 G | -55.62 | -42.62 |
| 3.000 G | 9.000 G | 1.00 M | 3.755400 G | -53.82 | -40.82 |
| 9.000 G | 13.000 G | 1.00 M | 12.843200 G | -55.59 | -42.59 |
| 13.000 G | 19.500 G | 1.00 M | 18.152550 G | -53.04 | -40.04 |

Date: 4.APR.6302 03:44:01

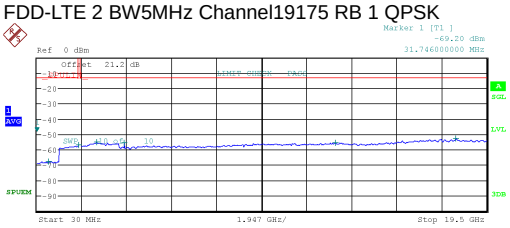
FDD-LTE 2 BW5MHz Channel19175 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 883.503000 M | -67.33 | -54.33 |
| 1.000 G | 1.840 G | 1.00 M | 1.839328 G | -57.76 | -44.76 |
| 1.920 G | 3.000 G | 1.00 M | 2.698248 G | -55.59 | -42.59 |
| 3.000 G | 9.000 G | 1.00 M | 3.810600 G | -55.33 | -42.33 |
| 9.000 G | 13.000 G | 1.00 M | 12.946400 G | -55.34 | -42.34 |
| 13.000 G | 19.500 G | 1.00 M | 17.925700 G | -53.06 | -40.06 |

Date: 4.APR.6302 03:49:47

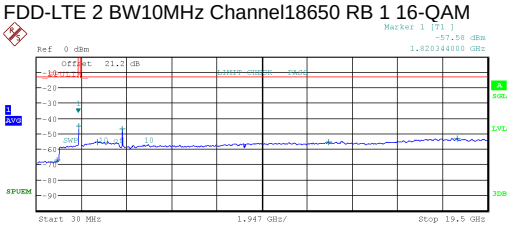
FDD-LTE 2 BW5MHz Channel19175 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 525.282000 M | -67.61 | -54.61 |
| 1.000 G | 1.840 G | 1.00 M | 1.834372 G | -57.20 | -44.20 |
| 1.920 G | 3.000 G | 1.00 M | 2.622540 G | -54.97 | -41.97 |
| 3.000 G | 9.000 G | 1.00 M | 3.810600 G | -55.60 | -42.60 |
| 9.000 G | 13.000 G | 1.00 M | 12.941600 G | -55.84 | -42.84 |
| 13.000 G | 19.500 G | 1.00 M | 18.157100 G | -52.96 | -39.96 |

Date: 4.APR.6302 03:49:16

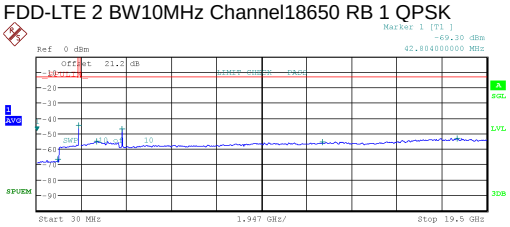
FDD-LTE 2 BW10MHz Channel18650 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 916.192000 M | -67.38 | -54.38 |
| 1.000 G | 1.840 G | 1.00 M | 1.833028 G | -45.46 | -32.46 |
| 1.920 G | 3.000 G | 1.00 M | 2.643816 G | -55.44 | -42.44 |
| 3.000 G | 9.000 G | 1.00 M | 3.701400 G | -47.36 | -34.36 |
| 9.000 G | 13.000 G | 1.00 M | 12.643600 G | -55.57 | -42.57 |
| 13.000 G | 19.500 G | 1.00 M | 18.180500 G | -53.28 | -40.28 |

Date: 4.APR.6302 03:56:10

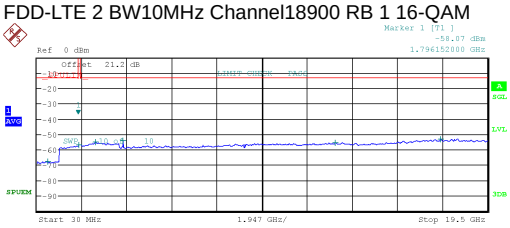
FDD-LTE 2 BW10MHz Channel18650 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 940.927000 M | -67.10 | -54.10 |
| 1.000 G | 1.840 G | 1.00 M | 1.832944 G | -44.99 | -31.99 |
| 1.920 G | 3.000 G | 1.00 M | 2.619408 G | -55.18 | -42.18 |
| 3.000 G | 9.000 G | 1.00 M | 3.701400 G | -47.09 | -34.09 |
| 9.000 G | 13.000 G | 1.00 M | 12.394400 G | -55.64 | -42.64 |
| 13.000 G | 19.500 G | 1.00 M | 18.220800 G | -53.16 | -40.16 |

Date: 4.APR.6302 03:55:39

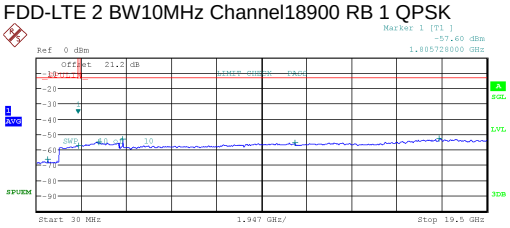
FDD-LTE 2 BW10MHz Channel18900 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 497.443000 M | -67.73 | -54.73 |
| 1.000 G | 1.840 G | 1.00 M | 1.839412 G | -57.16 | -44.16 |
| 1.920 G | 3.000 G | 1.00 M | 2.565948 G | -56.21 | -42.21 |
| 3.000 G | 9.000 G | 1.00 M | 3.751200 G | -54.27 | -41.27 |
| 9.000 G | 13.000 G | 1.00 M | 12.926400 G | -55.57 | -42.57 |
| 13.000 G | 19.500 G | 1.00 M | 17.481750 G | -53.21 | -40.21 |

Date: 4.APR.6302 03:59:36

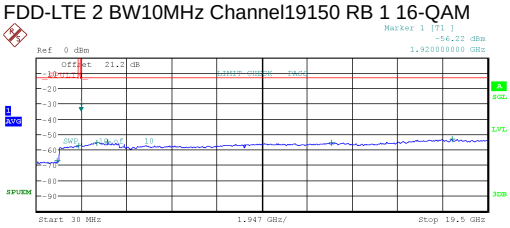
FDD-LTE 2 BW10MHz Channel18900 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 499.189000 M | -66.47 | -53.47 |
| 1.000 G | 1.840 G | 1.00 M | 1.839412 G | -57.33 | -44.33 |
| 1.920 G | 3.000 G | 1.00 M | 2.728056 G | -55.11 | -42.11 |
| 3.000 G | 9.000 G | 1.00 M | 3.751200 G | -53.50 | -40.50 |
| 9.000 G | 13.000 G | 1.00 M | 11.200000 G | -55.43 | -42.43 |
| 13.000 G | 19.500 G | 1.00 M | 17.444050 G | -52.99 | -39.99 |

Date: 4.APR.6302 03:59:05

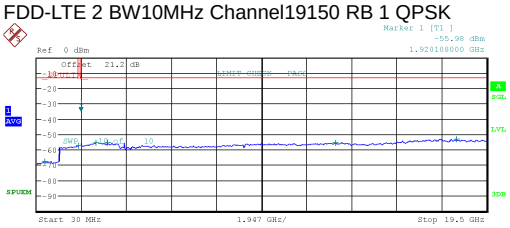
FDD-LTE 2 BW10MHz Channel19150 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 906.880000 M | -67.33 | -54.33 |
| 1.000 G | 1.840 G | 1.00 M | 1.838824 G | -57.71 | -44.71 |
| 1.920 G | 3.000 G | 1.00 M | 2.634420 G | -55.81 | -42.81 |
| 3.000 G | 9.000 G | 1.00 M | 3.095400 G | -55.26 | -42.26 |
| 9.000 G | 13.000 G | 1.00 M | 12.768800 G | -55.63 | -42.63 |
| 13.000 G | 19.500 G | 1.00 M | 17.955600 G | -53.35 | -40.35 |

Date: 4.APR.6302 04:05:00

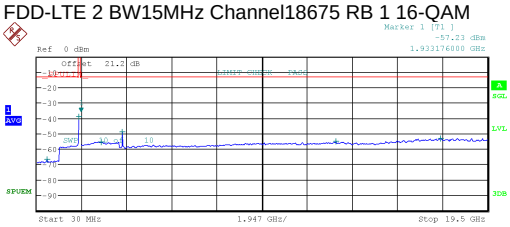
FDD-LTE 2 BW10MHz Channel19150 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 368.724000 M | -67.87 | -54.87 |
| 1.000 G | 1.840 G | 1.00 M | 1.837480 G | -57.64 | -44.64 |
| 1.920 G | 3.000 G | 1.00 M | 2.595108 G | -55.64 | -42.64 |
| 3.000 G | 9.000 G | 1.00 M | 3.093600 G | -55.50 | -42.50 |
| 9.000 G | 13.000 G | 1.00 M | 12.935200 G | -55.64 | -42.64 |
| 13.000 G | 19.500 G | 1.00 M | 18.200650 G | -53.17 | -40.17 |

Date: 4.APR.6302 04:04:29

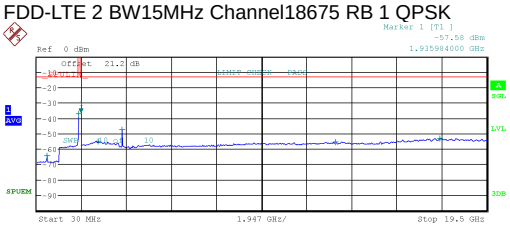
FDD-LTE 2 BW15MHz Channel18675 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 462.038000 M | -66.98 | -53.98 |
| 1.000 G | 1.840 G | 1.00 M | 1.837816 G | -39.08 | -26.08 |
| 1.920 G | 3.000 G | 1.00 M | 2.794260 G | -55.69 | -42.69 |
| 3.000 G | 9.000 G | 1.00 M | 3.702000 G | -48.95 | -35.95 |
| 9.000 G | 13.000 G | 1.00 M | 12.933200 G | -55.39 | -42.39 |
| 13.000 G | 19.500 G | 1.00 M | 17.482400 G | -53.23 | -40.23 |

Date: 4.APR.6302 04:11:38

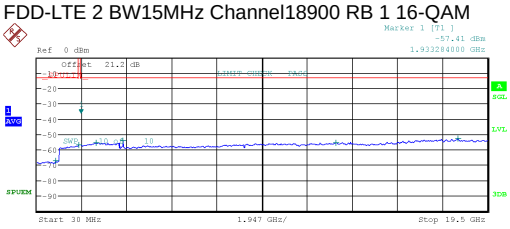
FDD-LTE 2 BW15MHz Channel18675 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 462.038000 M | -64.74 | -51.74 |
| 1.000 G | 1.840 G | 1.00 M | 1.837816 G | -37.28 | -24.28 |
| 1.920 G | 3.000 G | 1.00 M | 2.676000 G | -55.23 | -42.23 |
| 3.000 G | 9.000 G | 1.00 M | 3.701400 G | -47.49 | -34.49 |
| 9.000 G | 13.000 G | 1.00 M | 12.956400 G | -55.59 | -42.59 |
| 13.000 G | 19.500 G | 1.00 M | 17.483700 G | -53.22 | -40.22 |

Date: 4.APR.6302 04:11:07

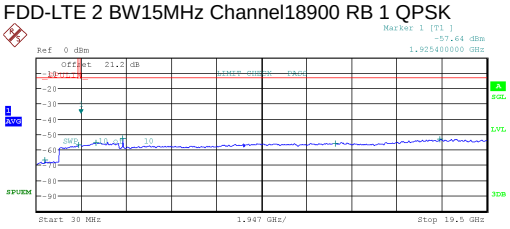
FDD-LTE 2 BW15MHz Channel18900 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 856.537000 M | -67.54 | -54.54 |
| 1.000 G | 1.840 G | 1.00 M | 1.837984 G | -57.12 | -44.12 |
| 1.920 G | 3.000 G | 1.00 M | 2.576208 G | -55.53 | -42.53 |
| 3.000 G | 9.000 G | 1.00 M | 3.747000 G | -54.18 | -41.18 |
| 9.000 G | 13.000 G | 1.00 M | 12.936800 G | -55.73 | -42.73 |
| 13.000 G | 19.500 G | 1.00 M | 18.207800 G | -52.77 | -39.77 |

Date: 4.APR.6302 04:15:17

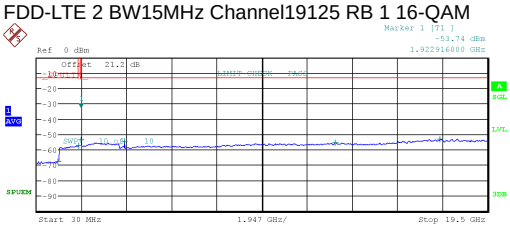
FDD-LTE 2 BW15MHz Channel18900 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 360.479000 M | -66.91 | -53.91 |
| 1.000 G | 1.840 G | 1.00 M | 1.839748 G | -57.07 | -44.07 |
| 1.920 G | 3.000 G | 1.00 M | 2.594676 G | -55.66 | -42.66 |
| 3.000 G | 9.000 G | 1.00 M | 3.746400 G | -52.76 | -39.76 |
| 9.000 G | 13.000 G | 1.00 M | 12.937600 G | -55.89 | -42.89 |
| 13.000 G | 19.500 G | 1.00 M | 17.483700 G | -53.14 | -40.14 |

Date: 4.APR.6302 04:14:46

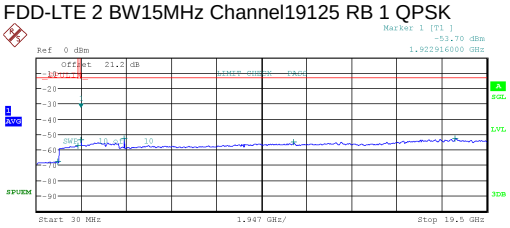
FDD-LTE 2 BW15MHz Channel19125 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 939.957000 M | -67.71 | -54.71 |
| 1.000 G | 1.840 G | 1.00 M | 1.838488 G | -57.64 | -44.64 |
| 1.920 G | 3.000 G | 1.00 M | 1.922916 G | -53.74 | -40.74 |
| 3.000 G | 9.000 G | 1.00 M | 3.792000 G | -54.55 | -41.55 |
| 9.000 G | 13.000 G | 1.00 M | 12.911600 G | -55.49 | -42.49 |
| 13.000 G | 19.500 G | 1.00 M | 17.427800 G | -53.35 | -40.35 |

Date: 4.APR.6302 04:20:51

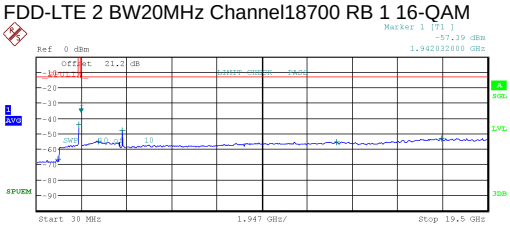
FDD-LTE 2 BW15MHz Channel19125 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 922.400000 M | -67.79 | -54.79 |
| 1.000 G | 1.840 G | 1.00 M | 1.811776 G | -57.35 | -44.35 |
| 1.920 G | 3.000 G | 1.00 M | 1.922916 G | -53.70 | -40.70 |
| 3.000 G | 9.000 G | 1.00 M | 3.792000 G | -52.92 | -39.92 |
| 9.000 G | 13.000 G | 1.00 M | 11.152800 G | -54.96 | -41.96 |
| 13.000 G | 19.500 G | 1.00 M | 18.137600 G | -53.02 | -40.02 |

Date: 4.APR.6302 04:20:20

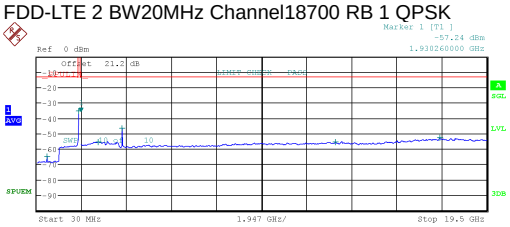
FDD-LTE 2 BW20MHz Channel18700 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 949.657000 M | -66.85 | -53.85 |
| 1.000 G | 1.840 G | 1.00 M | 1.833952 G | -44.14 | -31.14 |
| 1.920 G | 3.000 G | 1.00 M | 2.676000 G | -55.34 | -42.34 |
| 3.000 G | 9.000 G | 1.00 M | 3.702000 G | -48.10 | -35.10 |
| 9.000 G | 13.000 G | 1.00 M | 12.968400 G | -55.48 | -42.48 |
| 13.000 G | 19.500 G | 1.00 M | 17.494100 G | -53.30 | -40.30 |

Date: 4.APR.6302 04:27:32

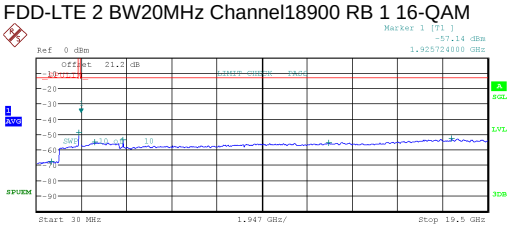
FDD-LTE 2 BW20MHz Channel18700 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 462.426000 M | -65.12 | -52.12 |
| 1.000 G | 1.840 G | 1.00 M | 1.833280 G | -35.50 | -22.50 |
| 1.920 G | 3.000 G | 1.00 M | 2.673624 G | -55.62 | -42.62 |
| 3.000 G | 9.000 G | 1.00 M | 3.702000 G | -46.81 | -33.81 |
| 9.000 G | 13.000 G | 1.00 M | 12.943200 G | -55.58 | -42.58 |
| 13.000 G | 19.500 G | 1.00 M | 17.480450 G | -52.99 | -39.99 |

Date: 4.APR.6302 04:27:01

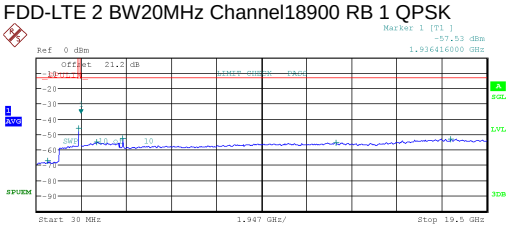
FDD-LTE 2 BW20MHz Channel18900 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 640.712000 M | -67.72 | -54.72 |
| 1.000 G | 1.840 G | 1.00 M | 1.835632 G | -48.91 | -35.91 |
| 1.920 G | 3.000 G | 1.00 M | 2.529012 G | -56.39 | -42.39 |
| 3.000 G | 9.000 G | 1.00 M | 3.742200 G | -53.78 | -40.78 |
| 9.000 G | 13.000 G | 1.00 M | 12.633200 G | -55.54 | -42.54 |
| 13.000 G | 19.500 G | 1.00 M | 17.945200 G | -52.70 | -39.70 |

Date: 4.APR.6302 04:31:16

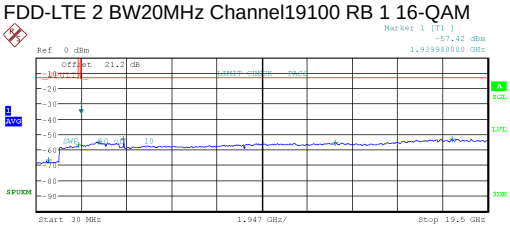
FDD-LTE 2 BW20MHz Channel18900 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 492.399000 M | -67.34 | -54.34 |
| 1.000 G | 1.840 G | 1.00 M | 1.835548 G | -46.31 | -33.31 |
| 1.920 G | 3.000 G | 1.00 M | 2.634852 G | -55.24 | -42.24 |
| 3.000 G | 9.000 G | 1.00 M | 3.742200 G | -52.83 | -39.83 |
| 9.000 G | 13.000 G | 1.00 M | 12.986800 G | -55.65 | -42.65 |
| 13.000 G | 19.500 G | 1.00 M | 17.940000 G | -53.28 | -40.28 |

Date: 4.APR.6302 04:30:45

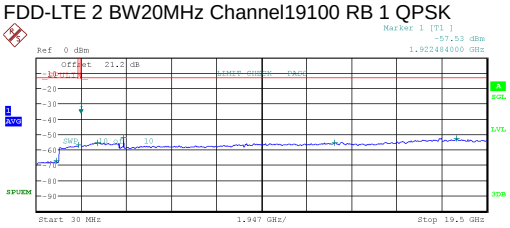
FDD-LTE 2 BW20MHz Channel19100 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 522.469000 M | -67.04 | -54.04 |
| 1.000 G | 1.840 G | 1.00 M | 1.838236 G | -57.12 | -44.12 |
| 1.920 G | 3.000 G | 1.00 M | 2.711316 G | -55.37 | -42.37 |
| 3.000 G | 9.000 G | 1.00 M | 3.782400 G | -53.13 | -40.13 |
| 9.000 G | 13.000 G | 1.00 M | 12.922800 G | -55.69 | -42.69 |
| 13.000 G | 19.500 G | 1.00 M | 17.962100 G | -53.15 | -40.15 |

Date: 4.APR.6302 04:36:52

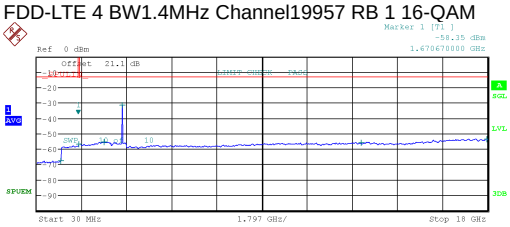
FDD-LTE 2 BW20MHz Channel19100 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 865.170000 M | -67.52 | -54.52 |
| 1.000 G | 1.840 G | 1.00 M | 1.839832 G | -57.26 | -44.26 |
| 1.920 G | 3.000 G | 1.00 M | 2.639172 G | -55.54 | -42.54 |
| 3.000 G | 9.000 G | 1.00 M | 3.782400 G | -52.18 | -39.18 |
| 9.000 G | 13.000 G | 1.00 M | 12.928800 G | -55.61 | -42.61 |
| 13.000 G | 19.500 G | 1.00 M | 18.198050 G | -52.88 | -39.88 |

Date: 4.APR.6302 04:36:21

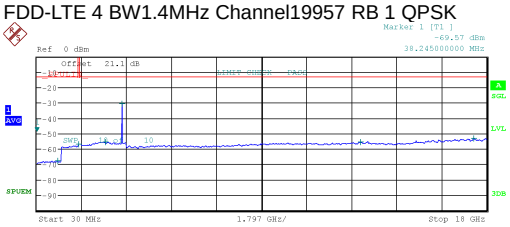
FDD-LTE 4 BW1.4MHz Channel19957 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 983.219000 M | -67.92 | -54.92 |
| 1.000 G | 1.700 G | 1.00 M | 1.699580 G | -57.14 | -44.14 |
| 1.765 G | 3.000 G | 1.00 M | 2.700760 G | -55.69 | -42.69 |
| 3.000 G | 9.000 G | 1.00 M | 3.420000 G | -31.47 | -18.47 |
| 9.000 G | 13.000 G | 1.00 M | 12.969200 G | -55.87 | -42.87 |
| 13.000 G | 18.000 G | 1.00 M | 17.964000 G | -53.52 | -40.52 |

Date: 4.APR.6302 04:43:27

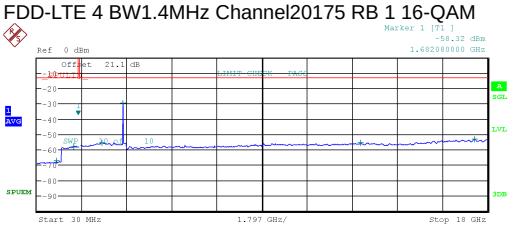
FDD-LTE 4 BW1.4MHz Channel19957 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 853.918000 M | -67.87 | -54.87 |
| 1.000 G | 1.700 G | 1.00 M | 1.699440 G | -57.03 | -44.03 |
| 1.765 G | 3.000 G | 1.00 M | 2.759052 G | -55.62 | -42.62 |
| 3.000 G | 9.000 G | 1.00 M | 3.420600 G | -30.76 | -17.76 |
| 9.000 G | 13.000 G | 1.00 M | 12.956400 G | -55.49 | -42.49 |
| 13.000 G | 18.000 G | 1.00 M | 17.482500 G | -53.07 | -40.07 |

Date: 4.APR.6302 04:42:55

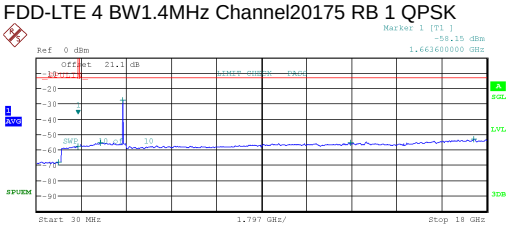
FDD-LTE 4 BW1.4MHz Channel20175 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 809.201000 M | -67.36 | -54.36 |
| 1.000 G | 1.700 G | 1.00 M | 1.510860 G | -58.17 | -45.17 |
| 1.765 G | 3.000 G | 1.00 M | 2.615421 G | -56.51 | -42.51 |
| 3.000 G | 9.000 G | 1.00 M | 3.464400 G | -30.01 | -17.01 |
| 9.000 G | 13.000 G | 1.00 M | 12.941200 G | -55.85 | -42.85 |
| 13.000 G | 18.000 G | 1.00 M | 17.486500 G | -53.20 | -40.20 |

Date: 4.APR.6302 04:47:07

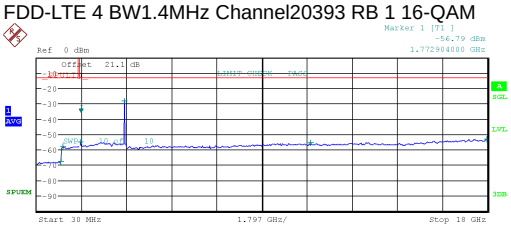
FDD-LTE 4 BW1.4MHz Channel20175 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 903.097000 M | -68.10 | -55.10 |
| 1.000 G | 1.700 G | 1.00 M | 1.663600 G | -58.15 | -45.15 |
| 1.765 G | 3.000 G | 1.00 M | 2.572567 G | -55.54 | -42.54 |
| 3.000 G | 9.000 G | 1.00 M | 3.463800 G | -27.75 | -14.75 |
| 9.000 G | 13.000 G | 1.00 M | 12.544400 G | -55.69 | -42.69 |
| 13.000 G | 18.000 G | 1.00 M | 17.477500 G | -53.25 | -40.25 |

Date: 4.APR.6302 04:46:35

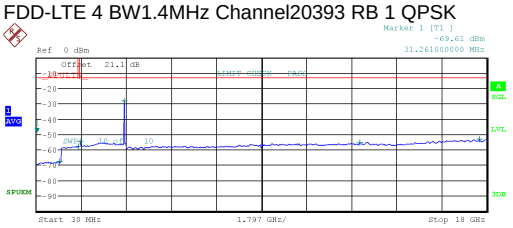
FDD-LTE 4 BW1.4MHz Channel20393 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 981.667000 M | -67.92 | -54.92 |
| 1.000 G | 1.700 G | 1.00 M | 1.066360 G | -58.08 | -45.08 |
| 1.765 G | 3.000 G | 1.00 M | 1.765124 G | -55.22 | -42.22 |
| 3.000 G | 9.000 G | 1.00 M | 3.507600 G | -28.33 | -15.33 |
| 9.000 G | 13.000 G | 1.00 M | 10.956400 G | -55.69 | -42.69 |
| 13.000 G | 18.000 G | 1.00 M | 17.958000 G | -53.24 | -40.24 |

Date: 4.APR.6302 04:52:39

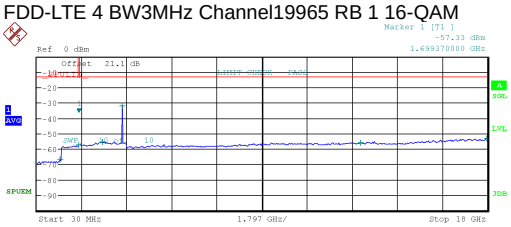
FDD-LTE 4 BW1.4MHz Channel20393 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 928.899000 M | -67.63 | -54.63 |
| 1.000 G | 1.700 G | 1.00 M | 1.698600 G | -58.16 | -45.16 |
| 1.765 G | 3.000 G | 1.00 M | 1.765371 G | -54.48 | -41.48 |
| 3.000 G | 9.000 G | 1.00 M | 3.508200 G | -28.30 | -15.30 |
| 9.000 G | 13.000 G | 1.00 M | 12.936400 G | -55.43 | -42.43 |
| 13.000 G | 18.000 G | 1.00 M | 17.700500 G | -53.15 | -40.15 |

Date: 4.APR.6302 04:52:08

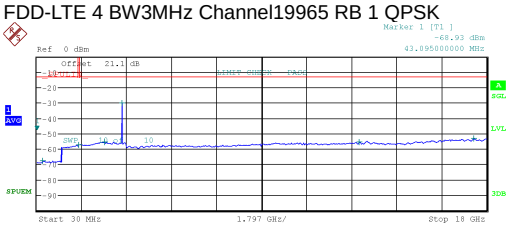
FDD-LTE 4 BW3MHz Channel19965 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 965.585000 M | -66.96 | -53.96 |
| 1.000 G | 1.700 G | 1.00 M | 1.699370 G | -57.33 | -44.33 |
| 1.765 G | 3.000 G | 1.00 M | 2.637033 G | -55.44 | -42.44 |
| 3.000 G | 9.000 G | 1.00 M | 3.420600 G | -31.95 | -18.95 |
| 9.000 G | 13.000 G | 1.00 M | 12.932800 G | -55.90 | -42.90 |
| 13.000 G | 18.000 G | 1.00 M | 17.968500 G | -53.40 | -40.40 |

Date: 4.APR.6302 04:59:13

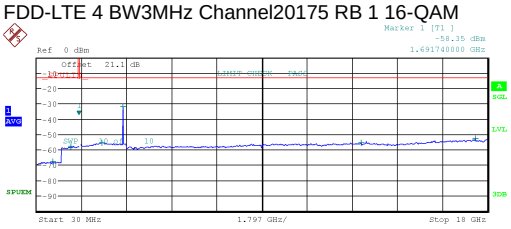
FDD-LTE 4 BW3MHz Channel19965 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 251.160000 M | -67.63 | -54.63 |
| 1.000 G | 1.700 G | 1.00 M | 1.699370 G | -57.61 | -44.61 |
| 1.765 G | 3.000 G | 1.00 M | 2.730153 G | -55.70 | -42.70 |
| 3.000 G | 9.000 G | 1.00 M | 3.420600 G | -30.48 | -17.48 |
| 9.000 G | 13.000 G | 1.00 M | 12.916000 G | -55.79 | -42.79 |
| 13.000 G | 18.000 G | 1.00 M | 17.494500 G | -53.34 | -40.34 |

Date: 4.APR.6302 04:58:41

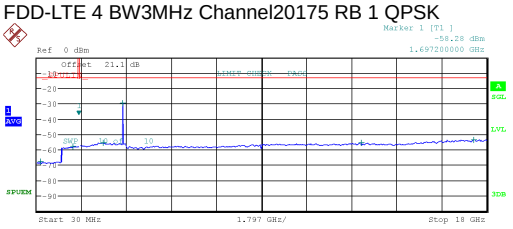
FDD-LTE 4 BW3MHz Channel20175 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 649.442000 M | -67.85 | -54.85 |
| 1.000 G | 1.700 G | 1.00 M | 1.380100 G | -58.09 | -45.09 |
| 1.765 G | 3.000 G | 1.00 M | 2.608629 G | -56.75 | -42.75 |
| 3.000 G | 9.000 G | 1.00 M | 3.462600 G | -32.05 | -19.05 |
| 9.000 G | 13.000 G | 1.00 M | 12.947200 G | -55.63 | -42.63 |
| 13.000 G | 18.000 G | 1.00 M | 17.498500 G | -52.66 | -39.66 |

Date: 4.APR.6302 05:02:51

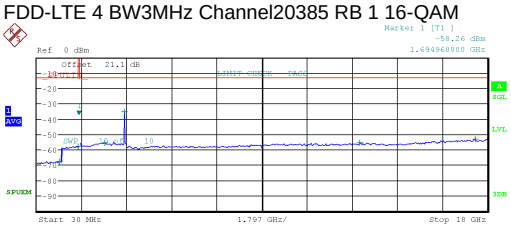
FDD-LTE 4 BW3MHz Channel20175 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 164.733000 M | -68.05 | -55.05 |
| 1.000 G | 1.700 G | 1.00 M | 1.481530 G | -58.11 | -45.11 |
| 1.765 G | 3.000 G | 1.00 M | 2.686063 G | -55.71 | -42.71 |
| 3.000 G | 9.000 G | 1.00 M | 3.462000 G | -29.70 | -16.70 |
| 9.000 G | 13.000 G | 1.00 M | 12.974800 G | -55.73 | -42.73 |
| 13.000 G | 18.000 G | 1.00 M | 17.489000 G | -53.59 | -40.59 |

Date: 4.APR.6302 05:02:20

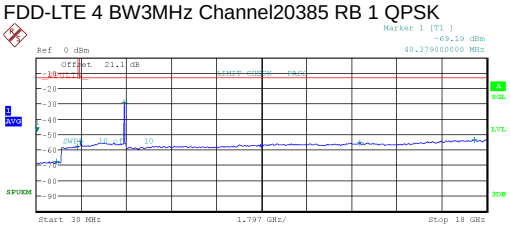
FDD-LTE 4 BW3MHz Channel20385 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 909.305000 M | -67.71 | -54.71 |
| 1.000 G | 1.700 G | 1.00 M | 1.673330 G | -57.90 | -44.90 |
| 1.765 G | 3.000 G | 1.00 M | 2.740650 G | -55.50 | -42.50 |
| 3.000 G | 9.000 G | 1.00 M | 3.504600 G | -35.30 | -22.30 |
| 9.000 G | 13.000 G | 1.00 M | 12.895600 G | -55.86 | -42.86 |
| 13.000 G | 18.000 G | 1.00 M | 17.498500 G | -53.26 | -40.26 |

Date: 4.APR.6302 05:08:24

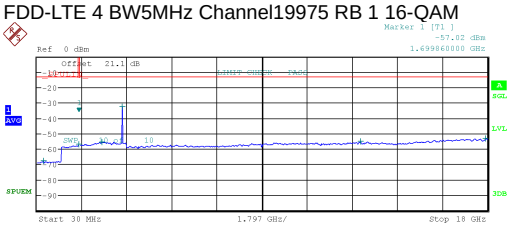
FDD-LTE 4 BW3MHz Channel20385 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 807.067000 M | -67.64 | -54.64 |
| 1.000 G | 1.700 G | 1.00 M | 1.640850 G | -58.21 | -45.21 |
| 1.765 G | 3.000 G | 1.00 M | 1.766358 G | -54.91 | -41.91 |
| 3.000 G | 9.000 G | 1.00 M | 3.504600 G | -29.28 | -16.28 |
| 9.000 G | 13.000 G | 1.00 M | 12.928800 G | -55.81 | -42.81 |
| 13.000 G | 18.000 G | 1.00 M | 17.497500 G | -53.71 | -40.71 |

Date: 4.APR.6302 05:07:53

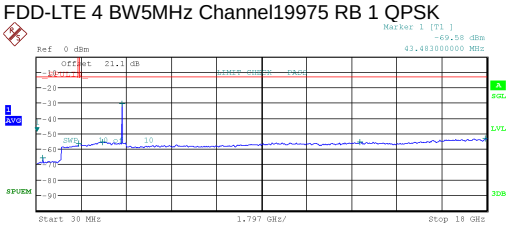
FDD-LTE 4 BW5MHz Channel19975 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 294.616000 M | -68.03 | -55.03 |
| 1.000 G | 1.700 G | 1.00 M | 1.699860 G | -57.02 | -44.02 |
| 1.765 G | 3.000 G | 1.00 M | 2.621720 G | -55.48 | -42.48 |
| 3.000 G | 9.000 G | 1.00 M | 3.420600 G | -32.72 | -19.72 |
| 9.000 G | 13.000 G | 1.00 M | 12.929600 G | -55.19 | -42.19 |
| 13.000 G | 18.000 G | 1.00 M | 17.924000 G | -53.49 | -40.49 |

Date: 4.APR.6302 05:15:02

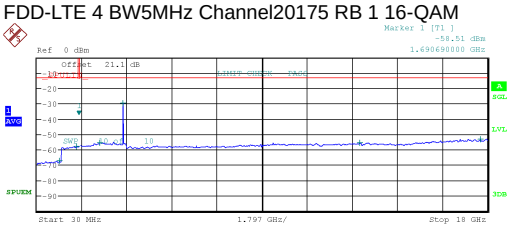
FDD-LTE 4 BW5MHz Channel19975 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 251.257000 M | -66.14 | -53.14 |
| 1.000 G | 1.700 G | 1.00 M | 1.699860 G | -56.58 | -43.58 |
| 1.765 G | 3.000 G | 1.00 M | 2.645802 G | -55.67 | -42.67 |
| 3.000 G | 9.000 G | 1.00 M | 3.420600 G | -30.87 | -17.87 |
| 9.000 G | 13.000 G | 1.00 M | 12.940800 G | -55.71 | -42.71 |
| 13.000 G | 18.000 G | 1.00 M | 17.937500 G | -53.10 | -40.10 |

Date: 4.APR.6302 05:14:30

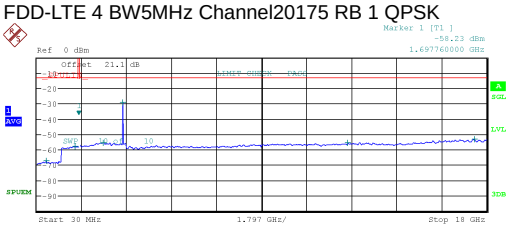
FDD-LTE 4 BW5MHz Channel20175 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 928.705000 M | -67.48 | -54.48 |
| 1.000 G | 1.700 G | 1.00 M | 1.599970 G | -58.14 | -45.14 |
| 1.765 G | 3.000 G | 1.00 M | 2.541162 G | -55.58 | -42.58 |
| 3.000 G | 9.000 G | 1.00 M | 3.460800 G | -29.96 | -16.96 |
| 9.000 G | 13.000 G | 1.00 M | 12.899200 G | -55.71 | -42.71 |
| 13.000 G | 18.000 G | 1.00 M | 17.721500 G | -53.29 | -40.29 |

Date: 4.APR.6302 05:18:48

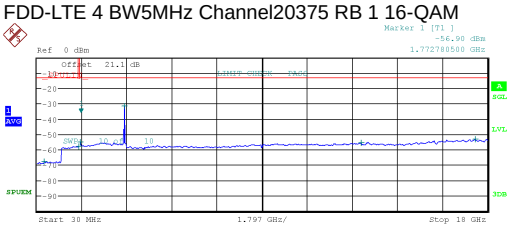
FDD-LTE 4 BW5MHz Channel20175 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 405.002000 M | -67.28 | -54.28 |
| 1.000 G | 1.700 G | 1.00 M | 1.549430 G | -57.83 | -44.83 |
| 1.765 G | 3.000 G | 1.00 M | 2.685569 G | -55.43 | -42.43 |
| 3.000 G | 9.000 G | 1.00 M | 3.460800 G | -29.32 | -16.32 |
| 9.000 G | 13.000 G | 1.00 M | 12.441600 G | -55.80 | -42.80 |
| 13.000 G | 18.000 G | 1.00 M | 17.503500 G | -53.12 | -40.12 |

Date: 4.APR.6302 05:18:16

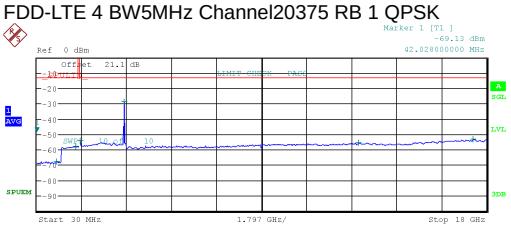
FDD-LTE 4 BW5MHz Channel20375 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 314.986000 M | -67.93 | -54.93 |
| 1.000 G | 1.700 G | 1.00 M | 1.699510 G | -58.18 | -45.18 |
| 1.765 G | 3.000 G | 1.00 M | 1.767594 G | -54.93 | -41.93 |
| 3.000 G | 9.000 G | 1.00 M | 3.500400 G | -31.76 | -18.76 |
| 9.000 G | 13.000 G | 1.00 M | 12.955200 G | -55.81 | -42.81 |
| 13.000 G | 18.000 G | 1.00 M | 17.508500 G | -53.41 | -40.41 |

Date: 4.APR.6302 05:24:32

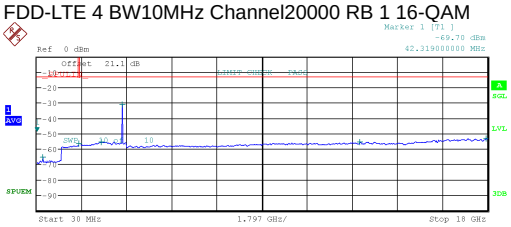
FDD-LTE 4 BW5MHz Channel20375 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 813.081000 M | -67.85 | -54.85 |
| 1.000 G | 1.700 G | 1.00 M | 1.581560 G | -58.07 | -45.07 |
| 1.765 G | 3.000 G | 1.00 M | 1.767840 G | -54.39 | -41.39 |
| 3.000 G | 9.000 G | 1.00 M | 3.500400 G | -28.72 | -15.72 |
| 9.000 G | 13.000 G | 1.00 M | 12.876800 G | -55.61 | -42.61 |
| 13.000 G | 18.000 G | 1.00 M | 17.464000 G | -53.50 | -40.50 |

Date: 4.APR.6302 05:24:00

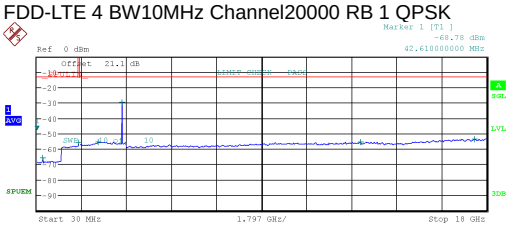
FDD-LTE 4 BW10MHz Channel20000 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 251.645000 M | -65.59 | -52.59 |
| 1.000 G | 1.700 G | 1.00 M | 1.699930 G | -56.59 | -43.59 |
| 1.765 G | 3.000 G | 1.00 M | 2.605665 G | -55.77 | -42.77 |
| 3.000 G | 9.000 G | 1.00 M | 3.421200 G | -31.15 | -18.15 |
| 9.000 G | 13.000 G | 1.00 M | 12.896400 G | -55.51 | -42.51 |
| 13.000 G | 18.000 G | 1.00 M | 17.941500 G | -53.35 | -40.35 |

Date: 4.APR.6302 05:31:19

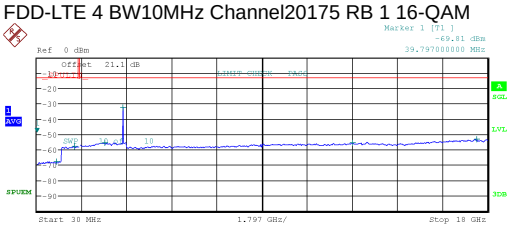
FDD-LTE 4 BW10MHz Channel20000 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 251.645000 M | -66.01 | -53.01 |
| 1.000 G | 1.700 G | 1.00 M | 1.699930 G | -56.22 | -43.22 |
| 1.765 G | 3.000 G | 1.00 M | 2.484758 G | -55.83 | -42.83 |
| 3.000 G | 9.000 G | 1.00 M | 3.421200 G | -30.01 | -17.01 |
| 9.000 G | 13.000 G | 1.00 M | 12.957600 G | -55.57 | -42.57 |
| 13.000 G | 18.000 G | 1.00 M | 17.515500 G | -53.53 | -40.53 |

Date: 4.APR.6302 05:30:47

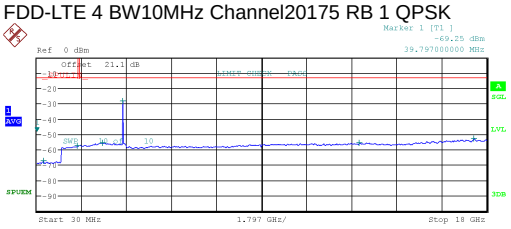
FDD-LTE 4 BW10MHz Channel20175 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 821.714000 M | -67.69 | -54.69 |
| 1.000 G | 1.700 G | 1.00 M | 1.513520 G | -58.21 | -45.21 |
| 1.765 G | 3.000 G | 1.00 M | 2.743491 G | -55.66 | -42.66 |
| 3.000 G | 9.000 G | 1.00 M | 3.456000 G | -32.76 | -19.76 |
| 9.000 G | 13.000 G | 1.00 M | 12.612000 G | -55.71 | -42.71 |
| 13.000 G | 18.000 G | 1.00 M | 17.554000 G | -53.41 | -40.41 |

Date: 4.APR.6302 05:35:15

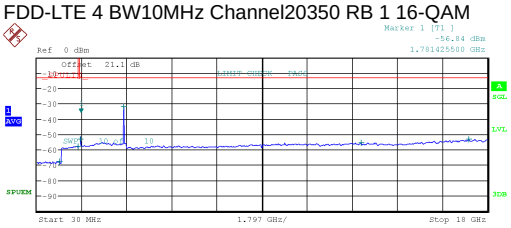
FDD-LTE 4 BW10MHz Channel20175 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 277.932000 M | -67.18 | -54.18 |
| 1.000 G | 1.700 G | 1.00 M | 1.635390 G | -57.58 | -44.58 |
| 1.765 G | 3.000 G | 1.00 M | 2.654447 G | -55.57 | -42.57 |
| 3.000 G | 9.000 G | 1.00 M | 3.456000 G | -28.25 | -15.25 |
| 9.000 G | 13.000 G | 1.00 M | 12.916000 G | -55.73 | -42.73 |
| 13.000 G | 18.000 G | 1.00 M | 17.489000 G | -53.02 | -40.02 |

Date: 4.APR.6302 05:34:43

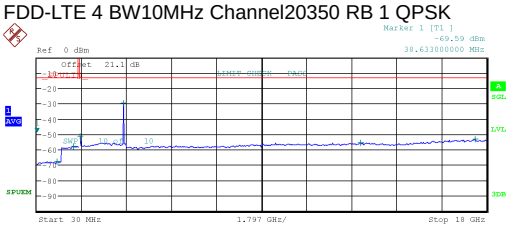
FDD-LTE 4 BW10MHz Channel20350 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 915.804000 M | -67.67 | -54.67 |
| 1.000 G | 1.700 G | 1.00 M | 1.672840 G | -57.90 | -44.90 |
| 1.765 G | 3.000 G | 1.00 M | 1.765124 G | -53.34 | -40.34 |
| 3.000 G | 9.000 G | 1.00 M | 3.491400 G | -31.94 | -18.94 |
| 9.000 G | 13.000 G | 1.00 M | 12.962800 G | -55.50 | -42.50 |
| 13.000 G | 18.000 G | 1.00 M | 17.252000 G | -53.47 | -40.47 |

Date: 4.APR.6302 05:41:13

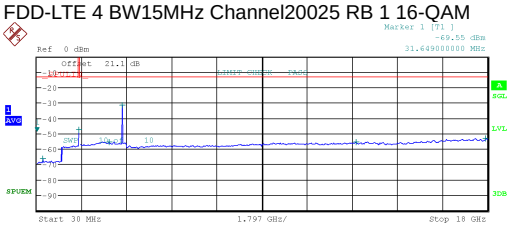
FDD-LTE 4 BW10MHz Channel20350 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 833.839000 M | -67.69 | -54.69 |
| 1.000 G | 1.700 G | 1.00 M | 1.507710 G | -58.05 | -45.05 |
| 1.765 G | 3.000 G | 1.00 M | 1.765124 G | -51.33 | -38.33 |
| 3.000 G | 9.000 G | 1.00 M | 3.491400 G | -29.85 | -16.85 |
| 9.000 G | 13.000 G | 1.00 M | 12.959600 G | -55.54 | -42.54 |
| 13.000 G | 18.000 G | 1.00 M | 17.525000 G | -53.20 | -40.20 |

Date: 4.APR.6302 05:40:41

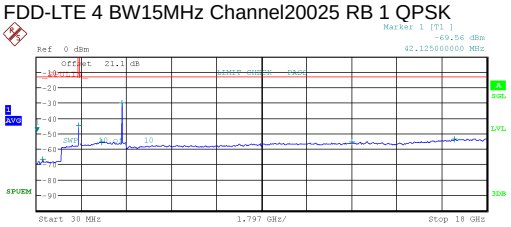
FDD-LTE 4 BW15MHz Channel20025 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 252.033000 M | -66.54 | -53.54 |
| 1.000 G | 1.700 G | 1.00 M | 1.697410 G | -47.62 | -34.62 |
| 1.765 G | 3.000 G | 1.00 M | 2.921948 G | -55.61 | -42.61 |
| 3.000 G | 9.000 G | 1.00 M | 3.421200 G | -31.48 | -18.48 |
| 9.000 G | 13.000 G | 1.00 M | 12.747200 G | -55.85 | -42.85 |
| 13.000 G | 18.000 G | 1.00 M | 17.927500 G | -53.26 | -40.26 |

Date: 4.APR.6302 05:48:14

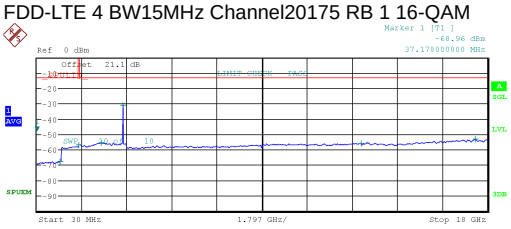
FDD-LTE 4 BW15MHz Channel20025 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 252.130000 M | -67.05 | -54.05 |
| 1.000 G | 1.700 G | 1.00 M | 1.697620 G | -44.93 | -31.93 |
| 1.765 G | 3.000 G | 1.00 M | 2.634317 G | -55.76 | -42.76 |
| 3.000 G | 9.000 G | 1.00 M | 3.421800 G | -30.28 | -17.28 |
| 9.000 G | 13.000 G | 1.00 M | 12.628400 G | -55.83 | -42.83 |
| 13.000 G | 18.000 G | 1.00 M | 16.706000 G | -53.59 | -40.59 |

Date: 4.APR.6302 05:47:42

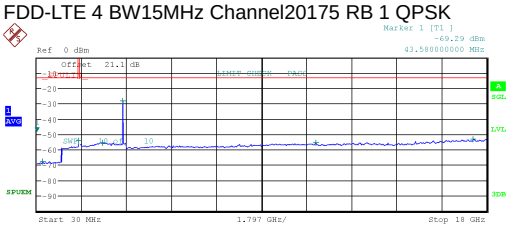
FDD-LTE 4 BW15MHz Channel20175 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 954.507000 M | -67.65 | -54.65 |
| 1.000 G | 1.700 G | 1.00 M | 1.699300 G | -56.90 | -43.90 |
| 1.765 G | 3.000 G | 1.00 M | 2.587140 G | -55.51 | -42.51 |
| 3.000 G | 9.000 G | 1.00 M | 3.451800 G | -31.40 | -18.40 |
| 9.000 G | 13.000 G | 1.00 M | 12.946400 G | -55.96 | -42.96 |
| 13.000 G | 18.000 G | 1.00 M | 17.499000 G | -53.18 | -40.18 |

Date: 4.APR.6302 05:52:23

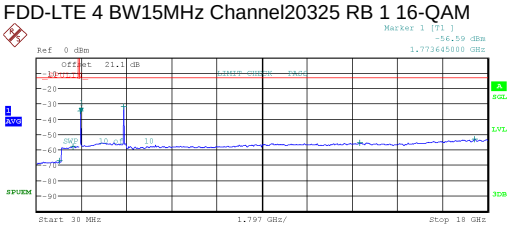
FDD-LTE 4 BW15MHz Channel20175 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 274.537000 M | -67.68 | -54.68 |
| 1.000 G | 1.700 G | 1.00 M | 1.699580 G | -54.38 | -41.38 |
| 1.765 G | 3.000 G | 1.00 M | 2.645431 G | -55.78 | -42.78 |
| 3.000 G | 9.000 G | 1.00 M | 3.451800 G | -28.17 | -15.17 |
| 9.000 G | 13.000 G | 1.00 M | 11.183200 G | -55.63 | -42.63 |
| 13.000 G | 18.000 G | 1.00 M | 17.465500 G | -53.34 | -40.34 |

Date: 4.APR.6302 05:51:51

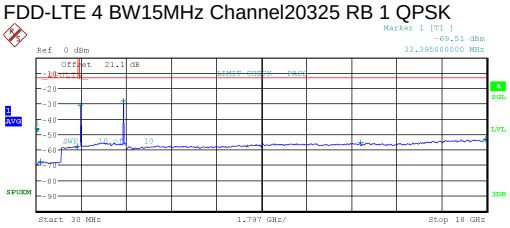
FDD-LTE 4 BW15MHz Channel20325 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 915.222000 M | -67.48 | -54.48 |
| 1.000 G | 1.700 G | 1.00 M | 1.463470 G | -57.87 | -44.87 |
| 1.765 G | 3.000 G | 1.00 M | 1.767594 G | -34.89 | -21.89 |
| 3.000 G | 9.000 G | 1.00 M | 3.481800 G | -32.14 | -19.14 |
| 9.000 G | 13.000 G | 1.00 M | 12.911200 G | -55.56 | -42.56 |
| 13.000 G | 18.000 G | 1.00 M | 17.490000 G | -53.28 | -40.28 |

Date: 4.APR.6302 05:58:32

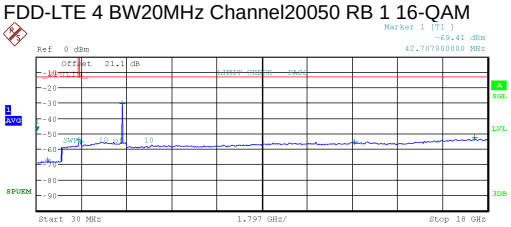
FDD-LTE 4 BW15MHz Channel20325 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 181.514000 M | -67.96 | -54.96 |
| 1.000 G | 1.700 G | 1.00 M | 1.635040 G | -57.95 | -44.95 |
| 1.765 G | 3.000 G | 1.00 M | 1.767840 G | -31.24 | -18.24 |
| 3.000 G | 9.000 G | 1.00 M | 3.481800 G | -28.38 | -15.38 |
| 9.000 G | 13.000 G | 1.00 M | 12.958000 G | -55.44 | -42.44 |
| 13.000 G | 18.000 G | 1.00 M | 17.930000 G | -53.43 | -40.43 |

Date: 4.APR.6302 05:58:00

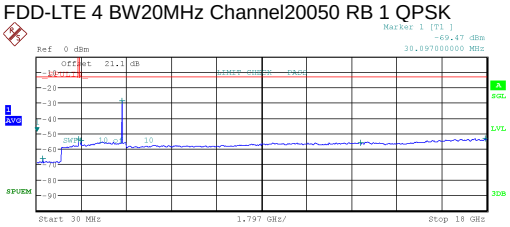
FDD-LTE 4 BW20MHz Channel20050 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 458.255000 M | -67.40 | -54.40 |
| 1.000 G | 1.700 G | 1.00 M | 1.693280 G | -54.09 | -41.09 |
| 1.765 G | 3.000 G | 1.00 M | 1.782043 G | -55.46 | -42.46 |
| 3.000 G | 9.000 G | 1.00 M | 3.421800 G | -30.99 | -17.99 |
| 9.000 G | 13.000 G | 1.00 M | 12.714800 G | -55.59 | -42.59 |
| 13.000 G | 18.000 G | 1.00 M | 17.467500 G | -53.02 | -40.02 |

Date: 4.APR.6302 06:05:38

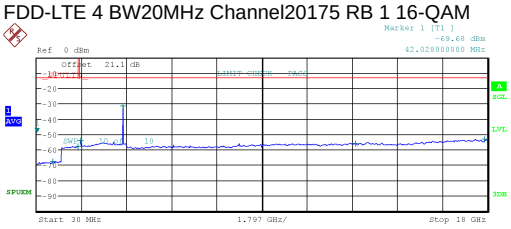
FDD-LTE 4 BW20MHz Channel20050 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 252.421000 M | -66.64 | -53.64 |
| 1.000 G | 1.700 G | 1.00 M | 1.693630 G | -53.70 | -40.70 |
| 1.765 G | 3.000 G | 1.00 M | 1.782167 G | -54.80 | -41.80 |
| 3.000 G | 9.000 G | 1.00 M | 3.422400 G | -28.98 | -15.98 |
| 9.000 G | 13.000 G | 1.00 M | 12.958800 G | -56.05 | -43.05 |
| 13.000 G | 18.000 G | 1.00 M | 17.945000 G | -53.43 | -40.43 |

Date: 4.APR.6302 06:05:06

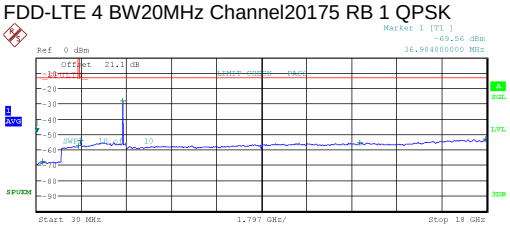
FDD-LTE 4 BW20MHz Channel20175 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 667.387000 M | -67.78 | -54.78 |
| 1.000 G | 1.700 G | 1.00 M | 1.671510 G | -58.10 | -45.10 |
| 1.765 G | 3.000 G | 1.00 M | 1.768334 G | -54.36 | -41.36 |
| 3.000 G | 9.000 G | 1.00 M | 3.447000 G | -31.53 | -18.53 |
| 9.000 G | 13.000 G | 1.00 M | 12.718800 G | -55.95 | -42.95 |
| 13.000 G | 18.000 G | 1.00 M | 17.896500 G | -53.33 | -40.33 |

Date: 4.APR.6302 06:09:51

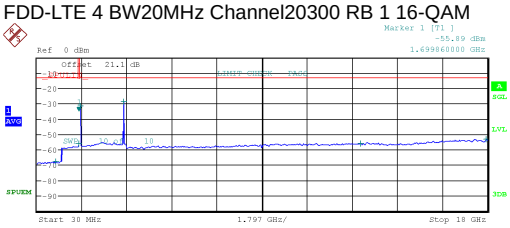
FDD-LTE 4 BW20MHz Channel20175 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 271.142000 M | -67.99 | -54.99 |
| 1.000 G | 1.700 G | 1.00 M | 1.699930 G | -57.60 | -44.60 |
| 1.765 G | 3.000 G | 1.00 M | 1.768211 G | -54.15 | -41.15 |
| 3.000 G | 9.000 G | 1.00 M | 3.447000 G | -28.32 | -15.32 |
| 9.000 G | 13.000 G | 1.00 M | 12.927200 G | -55.70 | -42.70 |
| 13.000 G | 18.000 G | 1.00 M | 17.938000 G | -53.27 | -40.27 |

Date: 4.APR.6302 06:09:19

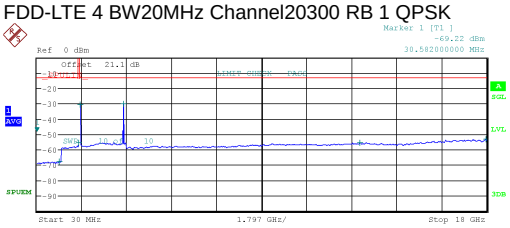
FDD-LTE 4 BW20MHz Channel20300 RB 1 16-QAM




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 791.547000 M | -67.86 | -54.86 |
| 1.000 G | 1.700 G | 1.00 M | 1.699860 G | -55.89 | -42.89 |
| 1.765 G | 3.000 G | 1.00 M | 1.771793 G | -31.88 | -18.88 |
| 3.000 G | 9.000 G | 1.00 M | 3.472200 G | -29.00 | -16.00 |
| 9.000 G | 13.000 G | 1.00 M | 12.932000 G | -55.98 | -42.98 |
| 13.000 G | 18.000 G | 1.00 M | 17.936000 G | -53.28 | -40.28 |

Date: 4.APR.6302 06:16:01

FDD-LTE 4 BW20MHz Channel20300 RB 1 QPSK




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 30.000 M | 1.000 G | 100.00 k | 934.137000 M | -68.05 | -55.05 |
| 1.000 G | 1.700 G | 1.00 M | 1.699930 G | -55.80 | -42.80 |
| 1.765 G | 3.000 G | 1.00 M | 1.771669 G | -30.93 | -17.93 |
| 3.000 G | 9.000 G | 1.00 M | 3.472200 G | -30.30 | -17.30 |
| 9.000 G | 13.000 G | 1.00 M | 12.943200 G | -55.75 | -42.75 |
| 13.000 G | 18.000 G | 1.00 M | 17.966000 G | -53.33 | -40.33 |

Date: 4.APR.6302 06:15:29

## 5.6 Frequency Stability

### 5.6.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

### 5.6.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

### 5.6.3 Test Procedure for Temperature Variation

a. The EUT was set up in the thermal chamber and connected with the system simulator.

b. With power OFF, the temperature was decreased to -20℃ and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.

c. With power OFF, the temperature was raised in 10℃ steps up to 60℃. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

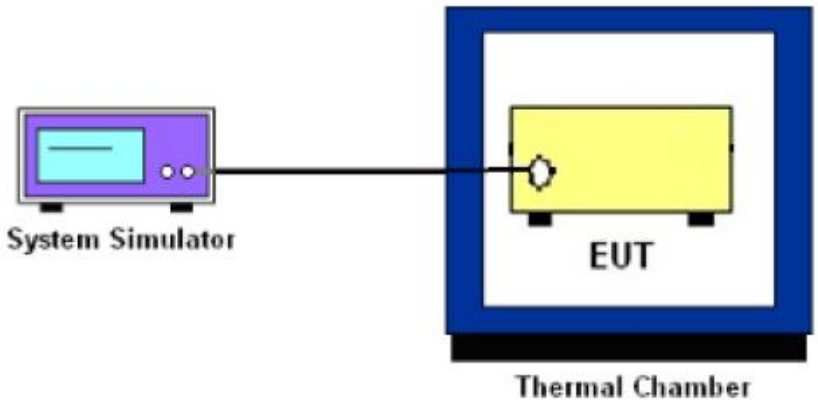
### 5.6.4 Test Procedure for Voltage Variation

a. The EUT was placed in a temperature chamber at 25±5℃ and connected with the system simulator.

b. The power supply voltage to the EUT was varied from 3.42V to 4.18V of the nominal value measured at the input to the EUT.

c. The variation in frequency was measured for the worst case.

### 5.6.5 Test Setup




### 5.6.6 Test Result

Test Result of Temperature Variation

| Band： | FDD-LTE 2 (QPSK) | FDD-LTE 4 (QPSK) | Limit(ppm)： | 2.5 |
|---|---|---|---|---|
| Temperature | BW 10MHz Deviation(ppm) | BW 10MHz Deviation(ppm) | Result | |
| -20 | 0 | 0 | PASS | |
| -10 | 0 | 0 | | |
| 0 | 0 | 0 | | |
| 10 | 0 | 0 | | |
| 20(Ref.) | 0 | 0 | | |
| 30 | 0 | 0 | | |
| 40 | 0 | 0 | | |
| 50 | 0 | 0 | | |
| 60 | 0 | 0 | | |

Test Result of Voltage Variation

| Band | Bandwidth | Voltage(Volt) | Deviation(ppm) | Limit(ppm) | Result |
|---|---|---|---|---|---|
| FDD-LTE 2(QPSK) | 10M | LV | 0 | 2.5 | PASS |
| | | NV | 0 | | |
| | | HV | 0 | | |

| | | | | | |
|---|---|---|---|---|---|
| FDD-LTE 4(QPSK) | 10M | LV | 0 | 2.5 | PASS |
| | | NV | 0 | | |
| | | HV | 0 | | |

## 5.7 Effective Radiated Power/Equivalent Isotropic Radiated Power

### 5.7.1 Description of ERP/EIRP Measurement

Mobile and portable (hand-held) stations operating are limited to average ERP of 7 watts with LTE band 5 and 3 watts with LTE band 12/17.

Mobile and portable (hand-held) stations operating are limited to average EIRP of 2 watts with LTE band 2/25/7 and 1 watt with LTE band 4.

### 5.7.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

### 5.7.3 Test Procedures

Effective Isotropic Radiated Power (EIPR) was calculated with the correction factor, EIPR=Conducted Output Power + Substitution antenna gain. ERP=EIRP-2.15.

### 5.7.4 Test Result

| Band | | | | FDD-LTE2 | | |
|---|---|---|---|---|---|---|
| BW [MHz] | Modulation | RB Size | RB Offset | EIRP(dBm) Low Ch./Freq. | EIRP(dBm) Middle Ch./Freq. | EIRP(dBm) High Ch./Freq. |
| Channel | | | | 18607 | 18900 | 19193 |
| Frequency(MHz) | | | | 1850.7 | 1880 | 1909.3 |
| Antenna Gain(dBi) | | | | -0.68 | | |
| 1.4 | QPSK | 1 | Low | 21.64 | 21.26 | 21.56 |
| 1.4 | QPSK | 1 | Mid | 21.43 | 21.41 | 21.32 |
| 1.4 | QPSK | 1 | High | 21.48 | 21.35 | 21.19 |
| 1.4 | QPSK | 3 | Low | 21.55 | 21.19 | 21.35 |
| 1.4 | QPSK | 3 | High | 21.33 | 21.12 | 21.19 |
| 1.4 | QPSK | 6 | Low | 20.44 | 20.21 | 20.38 |
| 1.4 | 16QAM | 1 | Low | 21.23 | 20.39 | 20.7 |
| 1.4 | 16QAM | 1 | Mid | 21.28 | 20.44 | 20.59 |
| 1.4 | 16QAM | 1 | High | 21.03 | 20.19 | 20.52 |
| 1.4 | 16QAM | 3 | Low | 20.69 | 20.46 | 20.43 |
| 1.4 | 16QAM | 3 | High | 20.73 | 20.66 | 20.3 |
| 1.4 | 16QAM | 6 | Low | 19.62 | 19.55 | 19.28 |
| Channel | | | | 18615 | 18900 | 19185 |
| Frequency(MHz) | | | | 1851.5 | 1880 | 1908.5 |
| 3 | QPSK | 1 | Low | 21.69 | 21.11 | 21.3 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | QPSK | 1 | Mid | 21.68 | 21.35 | 21.42 |
| 3 | QPSK | 1 | High | 21.57 | 21.18 | 21.22 |
| 3 | QPSK | 8 | Low | 20.36 | 20.29 | 20.48 |
| 3 | QPSK | 8 | High | 20.34 | 20.29 | 20.2 |
| 3 | QPSK | 15 | Low | 20.37 | 20.2 | 20.48 |
| 3 | 16QAM | 1 | Low | 20.47 | 20.14 | 20.66 |
| 3 | 16QAM | 1 | Mid | 20.53 | 20.08 | 20.34 |
| 3 | 16QAM | 1 | High | 20.41 | 20.21 | 20.18 |
| 3 | 16QAM | 8 | Low | 19.41 | 19.46 | 19.53 |
| 3 | 16QAM | 8 | High | 19.5 | 19.45 | 19.51 |
| 3 | 16QAM | 15 | Low | 19.39 | 19.45 | 19.58 |
| Channel | | | | 18625 | 18900 | 19175 |
| Frequency(MHz) | | | | 1852.5 | 1880 | 1907.5 |
| 5 | QPSK | 1 | Low | 21.42 | 21.1 | 21.28 |
| 5 | QPSK | 1 | Mid | 21.62 | 21.32 | 21.3 |
| 5 | QPSK | 1 | High | 21.6 | 21.3 | 21.01 |
| 5 | QPSK | 12 | Low | 20.52 | 20.29 | 20.38 |
| 5 | QPSK | 12 | High | 20.45 | 20.27 | 20.1 |
| 5 | QPSK | 25 | Low | 20.47 | 20.27 | 20.35 |
| 5 | 16QAM | 1 | Low | 20.67 | 19.96 | 19.84 |
| 5 | 16QAM | 1 | Mid | 20.88 | 19.99 | 19.92 |
| 5 | 16QAM | 1 | High | 20.74 | 20.08 | 19.48 |
| 5 | 16QAM | 12 | Low | 19.3 | 19.25 | 19.47 |
| 5 | 16QAM | 12 | High | 19.21 | 19.35 | 19.21 |
| 5 | 16QAM | 25 | Low | 19.21 | 19.28 | 19.54 |
| Channel | | | | 18650 | 18900 | 19150 |
| Frequency(MHz) | | | | 1855 | 1880 | 1905 |
| 10 | QPSK | 1 | Low | 21.28 | 21.06 | 21.38 |
| 10 | QPSK | 1 | Mid | 21.43 | 21.36 | 21.41 |
| 10 | QPSK | 1 | High | 21.1 | 21.22 | 21.21 |
| 10 | QPSK | 25 | Low | 20.43 | 20.18 | 20.39 |
| 10 | QPSK | 25 | High | 20.23 | 20.28 | 20.14 |
| 10 | QPSK | 50 | Low | 20.31 | 20.27 | 20.25 |
| 10 | 16QAM | 1 | Low | 20.95 | 19.96 | 20.49 |
| 10 | 16QAM | 1 | Mid | 20.72 | 20.36 | 20.66 |
| 10 | 16QAM | 1 | High | 20.23 | 19.94 | 20.41 |
| 10 | 16QAM | 25 | Low | 19.47 | 19.47 | 19.44 |
| 10 | 16QAM | 25 | High | 19.27 | 19.57 | 19.25 |
| 10 | 16QAM | 50 | Low | 19.36 | 19.4 | 19.39 |
| Channel | | | | 18675 | 18900 | 19125 |
| Frequency(MHz) | | | | 1857.5 | 1880 | 1902.5 |
| 15 | QPSK | 1 | Low | 21.15 | 20.95 | 21.03 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 15 | QPSK | 1 | Mid | 21.16 | 21.19 | 21.25 |
| 15 | QPSK | 1 | High | 20.78 | 21.14 | 21.09 |
| 15 | QPSK | 36 | Low | 20.29 | 20.09 | 20.37 |
| 15 | QPSK | 36 | High | 20.15 | 20.16 | 20.16 |
| 15 | QPSK | 75 | Low | 20.21 | 20.16 | 20.29 |
| 15 | 16QAM | 1 | Low | 20.6 | 20.06 | 20.58 |
| 15 | 16QAM | 1 | Mid | 20.48 | 20.13 | 20.58 |
| 15 | 16QAM | 1 | High | 20.8 | 19.58 | 20.18 |
| 15 | 16QAM | 36 | Low | 19.38 | 19.15 | 19.44 |
| 15 | 16QAM | 36 | High | 19.24 | 19.39 | 19.33 |
| 15 | 16QAM | 75 | Low | 19.24 | 19.17 | 19.35 |
| Channel | | | | 18700 | 18900 | 19100 |
| Frequency(MHz) | | | | 1860 | 1880 | 1900 |
| 20 | QPSK | 1 | Low | 21.46 | 20.87 | 21.13 |
| 20 | QPSK | 1 | Mid | 21.76 | 21.46 | 21.42 |
| 20 | QPSK | 1 | High | 21.2 | 20.93 | 21.02 |
| 20 | QPSK | 50 | Low | 20.37 | 20.15 | 20.33 |
| 20 | QPSK | 50 | High | 20.11 | 20.15 | 20.19 |
| 20 | QPSK | 100 | Low | 20.18 | 20.12 | 20.34 |
| 20 | 16QAM | 1 | Low | 20.05 | 20.61 | 20.87 |
| 20 | 16QAM | 1 | Mid | 20.28 | 21.26 | 21.1 |
| 20 | 16QAM | 1 | High | 19.86 | 20.55 | 20.54 |
| 20 | 16QAM | 50 | Low | 19.36 | 19.18 | 19.46 |
| 20 | 16QAM | 50 | High | 19.19 | 19.25 | 19.26 |
| 20 | 16QAM | 100 | Low | 19.26 | 19.11 | 19.47 |

| Band | | | | FDD-LTE4 | | |
|---|---|---|---|---|---|---|
| BW [MHz] | Modulation | RB Size | RB Offset | EIRP(dBm) Low Ch./Freq. | EIRP(dBm) Middle Ch./Freq. | EIRP(dBm) High Ch./Freq. |
| Channel | | | | 19957 | 20175 | 20393 |
| Frequency(MHz) | | | | 1710.7 | 1732.5 | 1754.3 |
| Antenna Gain(dBi) | | | | -0.13 | | |
| 1.4 | QPSK | 1 | Low | 22.23 | 22 | 22.25 |
| 1.4 | QPSK | 1 | Mid | 22.01 | 22.12 | 22.31 |
| 1.4 | QPSK | 1 | High | 22.22 | 21.95 | 22.2 |
| 1.4 | QPSK | 3 | Low | 22.14 | 22.12 | 22.03 |
| 1.4 | QPSK | 3 | High | 22.18 | 22.12 | 22.04 |
| 1.4 | QPSK | 6 | Low | 21.09 | 21.23 | 21.15 |
| 1.4 | 16QAM | 1 | Low | 21.28 | 21.15 | 21.19 |
| 1.4 | 16QAM | 1 | Mid | 21.98 | 21.18 | 21.55 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 1.4 | 16QAM | 1 | High | 21.98 | 21.04 | 21.13 |
| 1.4 | 16QAM | 3 | Low | 21.06 | 21.18 | 21.59 |
| 1.4 | 16QAM | 3 | High | 20.98 | 21.1 | 21.28 |
| 1.4 | 16QAM | 6 | Low | 20.07 | 20.28 | 19.94 |
| Channel | | | | 19965 | 20175 | 20385 |
| Frequency(MHz) | | | | 1711.5 | 1732.5 | 2153.5 |
| 3 | QPSK | 1 | Low | 22.15 | 22.17 | 22 |
| 3 | QPSK | 1 | Mid | 22.03 | 22.38 | 22.39 |
| 3 | QPSK | 1 | High | 22.26 | 21.96 | 22.04 |
| 3 | QPSK | 8 | Low | 21.1 | 21.07 | 21.15 |
| 3 | QPSK | 8 | High | 21.13 | 21.14 | 21.06 |
| 3 | QPSK | 15 | Low | 21.23 | 21.18 | 21.19 |
| 3 | 16QAM | 1 | Low | 21.36 | 21.15 | 21.22 |
| 3 | 16QAM | 1 | Mid | 21.38 | 20.99 | 21.39 |
| 3 | 16QAM | 1 | High | 21.61 | 21.06 | 21.43 |
| 3 | 16QAM | 8 | Low | 20.22 | 20.41 | 20.35 |
| 3 | 16QAM | 8 | High | 20.16 | 20.26 | 20.69 |
| 3 | 16QAM | 15 | Low | 20.12 | 20.18 | 20.25 |
| Channel | | | | 19975 | 20175 | 20375 |
| Frequency(MHz) | | | | 1712.5 | 1732.5 | 1752.5 |
| 5 | QPSK | 1 | Low | 22.06 | 22.28 | 21.98 |
| 5 | QPSK | 1 | Mid | 22.02 | 22.2 | 22.19 |
| 5 | QPSK | 1 | High | 22.09 | 22.19 | 22.24 |
| 5 | QPSK | 12 | Low | 21.15 | 21.18 | 21.12 |
| 5 | QPSK | 12 | High | 21.15 | 21.12 | 21.14 |
| 5 | QPSK | 25 | Low | 21.16 | 21.16 | 21.19 |
| 5 | 16QAM | 1 | Low | 21.52 | 21.29 | 20.67 |
| 5 | 16QAM | 1 | Mid | 21.5 | 21.28 | 20.81 |
| 5 | 16QAM | 1 | High | 21.37 | 21.18 | 20.99 |
| 5 | 16QAM | 12 | Low | 19.99 | 20.3 | 20.18 |
| 5 | 16QAM | 12 | High | 20.07 | 19.94 | 20.24 |
| 5 | 16QAM | 25 | Low | 20.19 | 20.17 | 20.2 |
| Channel | | | | 20000 | 20175 | 20350 |
| Frequency(MHz) | | | | 1715 | 1732.5 | 1750 |
| 10 | QPSK | 1 | Low | 22 | 21.95 | 21.94 |
| 10 | QPSK | 1 | Mid | 22.07 | 22.16 | 22.37 |
| 10 | QPSK | 1 | High | 21.92 | 21.92 | 22.17 |
| 10 | QPSK | 25 | Low | 21.04 | 21.12 | 21.13 |
| 10 | QPSK | 25 | High | 21.16 | 21 | 21.03 |
| 10 | QPSK | 50 | Low | 21.02 | 21.06 | 21.08 |
| 10 | 16QAM | 1 | Low | 21.58 | 20.67 | 21.38 |
| 10 | 16QAM | 1 | Mid | 21.52 | 21.11 | 21.99 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 10 | 16QAM | 1 | High | 21.89 | 20.48 | 21.38 |
| 10 | 16QAM | 25 | Low | 20.39 | 20.25 | 20.25 |
| 10 | 16QAM | 25 | High | 20.31 | 20.22 | 20.17 |
| 10 | 16QAM | 50 | Low | 20.02 | 20.09 | 20.18 |
| Channel | | | | 20025 | 20175 | 20325 |
| Frequency(MHz) | | | | 1717.5 | 1732.5 | 1747.5 |
| 15 | QPSK | 1 | Low | 22.17 | 21.86 | 22.06 |
| 15 | QPSK | 1 | Mid | 21.97 | 21.97 | 22.36 |
| 15 | QPSK | 1 | High | 21.81 | 21.9 | 22.04 |
| 15 | QPSK | 36 | Low | 21.12 | 21.09 | 21.09 |
| 15 | QPSK | 36 | High | 20.9 | 21.03 | 20.93 |
| 15 | QPSK | 75 | Low | 20.97 | 20.99 | 21.01 |
| 15 | 16QAM | 1 | Low | 21.57 | 21.14 | 21.45 |
| 15 | 16QAM | 1 | Mid | 21.92 | 21.08 | 21.44 |
| 15 | 16QAM | 1 | High | 21.9 | 20.92 | 21.46 |
| 15 | 16QAM | 36 | Low | 20.16 | 20.22 | 20.17 |
| 15 | 16QAM | 36 | High | 19.86 | 20.07 | 20.08 |
| 15 | 16QAM | 75 | Low | 19.97 | 20.14 | 20.15 |
| Channel | | | | 20050 | 20175 | 20300 |
| Frequency(MHz) | | | | 1720 | 1732.5 | 1745 |
| 20 | QPSK | 1 | Low | 22.02 | 22.04 | 21.94 |
| 20 | QPSK | 1 | Mid | 22.42 | 22.25 | 22.44 |
| 20 | QPSK | 1 | High | 22.26 | 22.01 | 22.27 |
| 20 | QPSK | 50 | Low | 21.15 | 21.15 | 21.26 |
| 20 | QPSK | 50 | High | 20.97 | 21.01 | 21.11 |
| 20 | QPSK | 100 | Low | 21.01 | 21.06 | 21.07 |
| 20 | 16QAM | 1 | Low | 21.07 | 21.74 | 21.63 |
| 20 | 16QAM | 1 | Mid | 21.26 | 21.95 | 21.64 |
| 20 | 16QAM | 1 | High | 20.96 | 21.62 | 21.17 |
| 20 | 16QAM | 50 | Low | 20.18 | 20.14 | 20.22 |
| 20 | 16QAM | 50 | High | 20.03 | 20.12 | 20.11 |
| 20 | 16QAM | 100 | Low | 20.07 | 20.09 | 20.1 |

## 5.8 Radiated Spurious Emission

### 5.8.1 Description of Radiated Spurious Emission

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

For Band 7, 41

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 55 + 10 log (P) dB.

For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emission in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIPR) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

The spectrum is scanned from 30 MHz up to a frequency including its $10^{th}$ harmonic.

### 5.8.2 Test Instruments

The measuring equipment is listed in the section 4.1 of this test report.

### 5.8.3 Test Procedures

a. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.

b. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.

c. The table was rotated 360 degrees to determine the position of the highest spurious emission.

d. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.

e. Make the measurement with the spectrum analyzers RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.

f. A horn antenna was substituted in place of the EUT and was driven by a signal generator.

g. Tune the output power of signal generator to the same emission level with EUT

maximum spurious emission.

h. Taking the record of output power at antenna port.

i. Repeat step f to step g for another polarization.

j. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from 43 + 10 log(P)dB below the transmitter power P(Watts)

=P(W)-[43+10log(P)](dB)

=[30+10log(P)](dBm)-[43+10log(P)](dB)

=-13dBm.

For Band7, 38, 41

The limit line is derived from 55+10log(P) dB below the transmitter power P(Watts).
=P(W)-[55+10log(P)](dB)

=[30+10log(P)](dBm)-[55+10log(P)](dB)

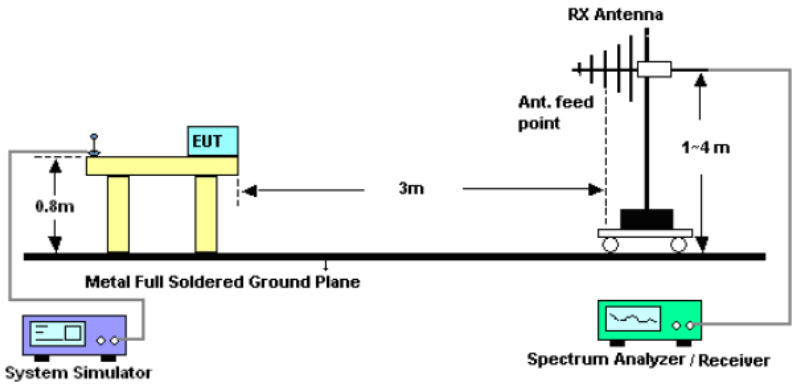
=-25dBm.

k. EIPR (dBm) = S.G.Power – Tx Cable Loss + Tx Antenna Gain.

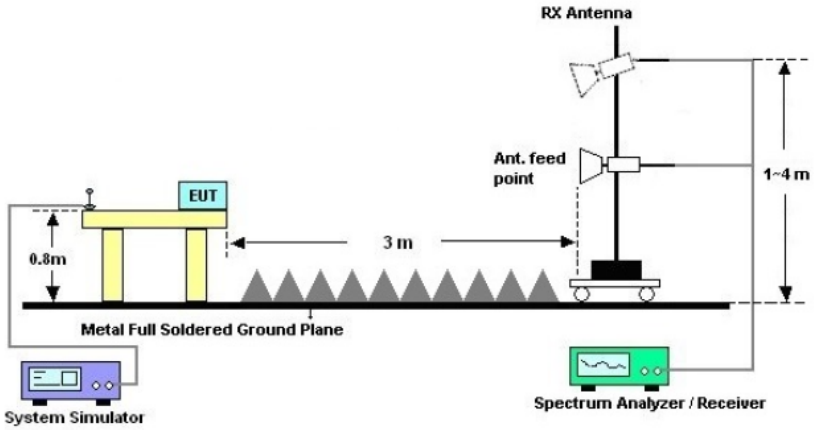
l. ERP (dBm) = EIRP-2.15.

### 5.8.4 Test Setup

**For radiated emissions from 30MHz to 1GHz**



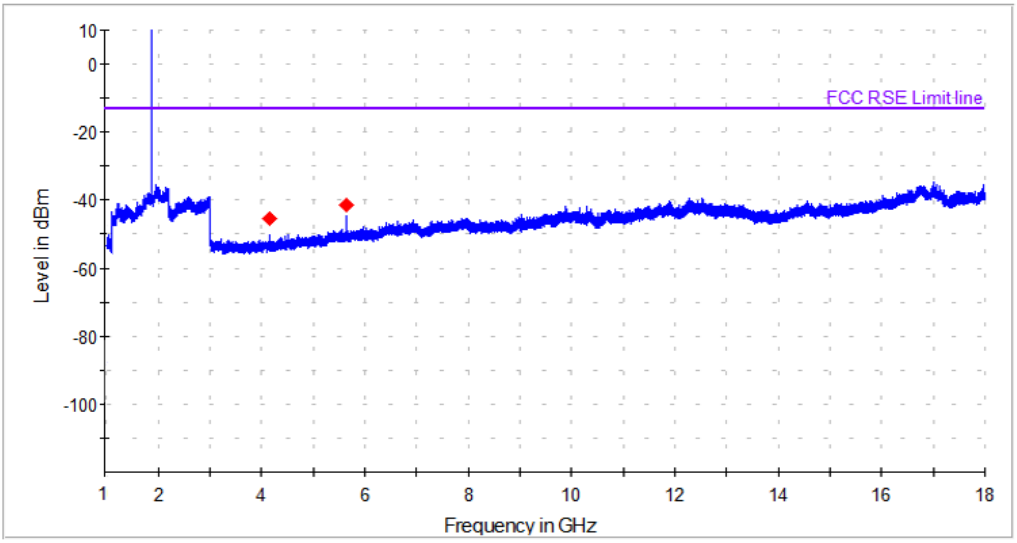

**For radiated emissions above 1GHz**



### 5.8.5 Test Result

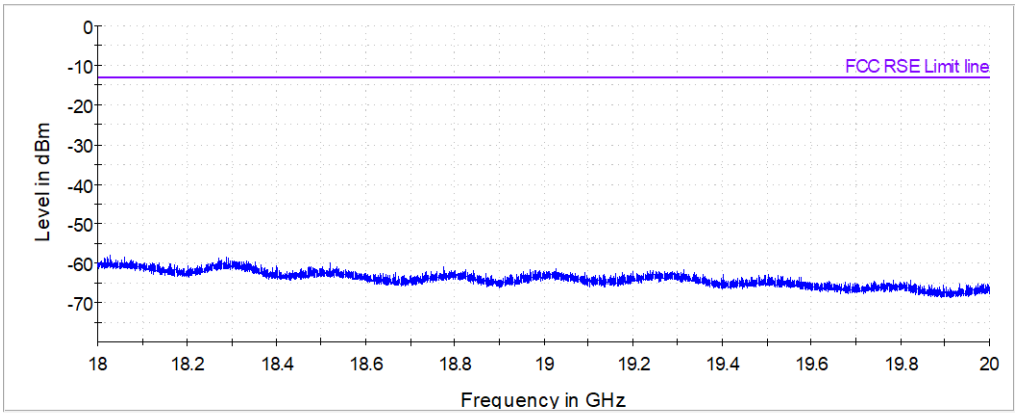
Spurious emissions below 1GHz were found more than 20dB below limit line

LTE Band 2 (BW=1.4MHz, position 1)

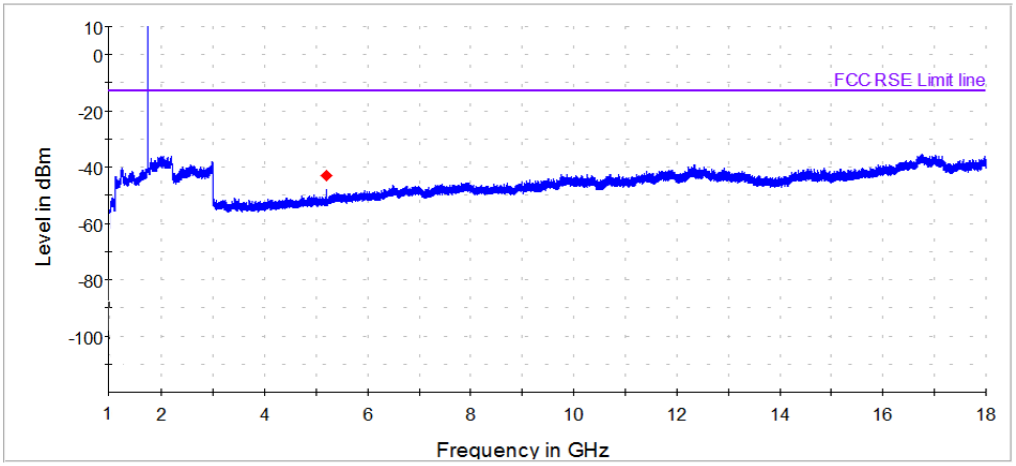



| Frequency | MaxPeak | Limit | Margin | SG | Cable loss | Gain | Read | Height | Pol | Azimuth |
|---|---|---|---|---|---|---|---|---|---|---|
| MHz | dBm | dBm | dB | dBm | dB | dB | dBuV | cm | | deg |
| 4156.826666 | -45.37 | -13 | 32.37 | -49.2 | 3.02 | 6.85 | 44.03 | 147.7 | H | 202 |
| 5638.653667 | -41.25 | -13 | 28.25 | -44.5 | 4.30 | 7.55 | 43.45 | 156.1 | H | 326 |

EIRP=SG Power - cable loss + Tx ant gain
ERP=EIRP-2.15

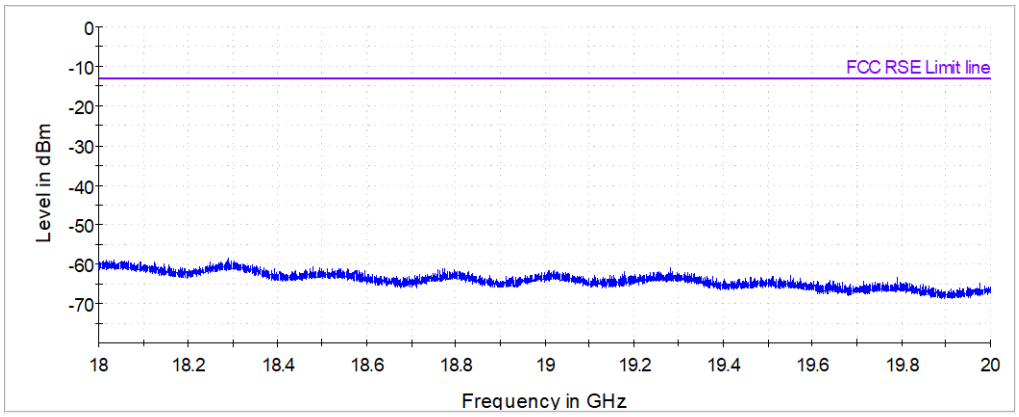


LTE Band4 （BW=5MHz， position 1）




| Frequency | MaxPeak | Limit | Margin | SG | Cable loss | Gain | Read | Height | Pol | Azimuth |
|---|---|---|---|---|---|---|---|---|---|---|
| MHz | dBm | dBm | dB | dBm | dB | dB | dBuV | cm | | deg |
| 5190.730334 | -43.09 | -13.00 | 30.09 | -46.6 | 4.14 | 7.65 | 43.91 | 155.2 | H | 299.0 |

EIRP=SG Power - cable loss + Tx ant gain
ERP=EIRP-2.15



# 6 SAMPLE PICTURE

Reference attachment : EUT and Test setup Potographs.

# 7 APPENDIX - INFORMATION ON THE TESTING LABORATORIES

We, BYD Precise Manufacture Co., Ltd., were founded in 2007 to provide our best service in RF, Radio consultation. Our laboratories are accredited by the following accreditation bodies according to ISO/IEC 17025 (2005) .

| | |
|---|---|
| **USA** | A2LA<br>Certificate No.: 4886.01 |

Copies of accreditation certificates could be inquired from our office. If you have any comments, please feel free to contact us at the following:

**EMC / RF / Lab**:
Tel: +86-755 8489 8888 55501
Fax: +86-755 8964 3771

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