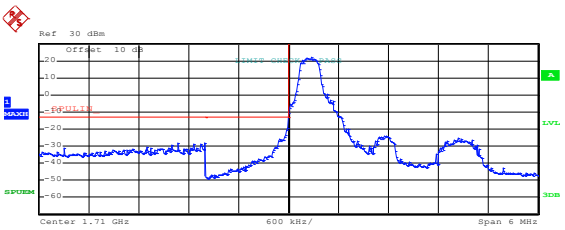
**LTE Band 4 part:**

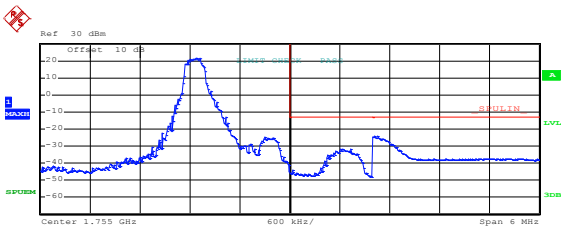
LTE Band 4, BW: 1.4MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.708994 G | -28.01 | -15.01 |
| 1.709 G | 1.710 G | 30.00 k | 1.709996 G | -19.19 | -6.19 |
| 1.710 G | 1.713 G | 100.00 k | 1.710273 G | 22.33 | -10.67 |

Date: 12.SEP.2019 14:03:47

Lowest channel

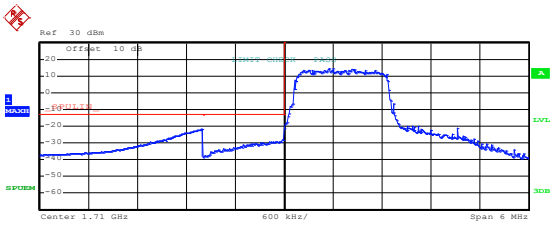



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.753875 G | 21.77 | -11.23 |
| 1.755 G | 1.756 G | 30.00 k | 1.755609 G | -31.67 | -18.67 |
| 1.756 G | 1.758 G | 1.00 M | 1.756060 G | -24.07 | -11.07 |

Date: 12.SEP.2019 14:05:18

Highest channel

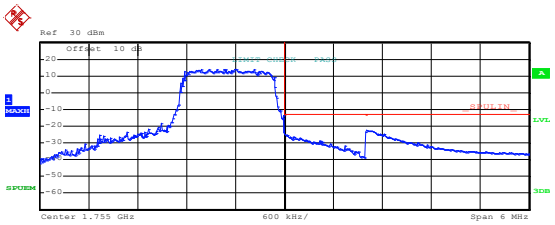
16QAM & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.709000 G | -21.58 | -8.58 |
| 1.709 G | 1.710 G | 30.00 k | 1.709992 G | -28.13 | -15.13 |
| 1.710 G | 1.713 G | 100.00 k | 1.710597 G | 14.60 | -18.40 |

Date: 12.SEP.2019 14:04:19

Lowest channel



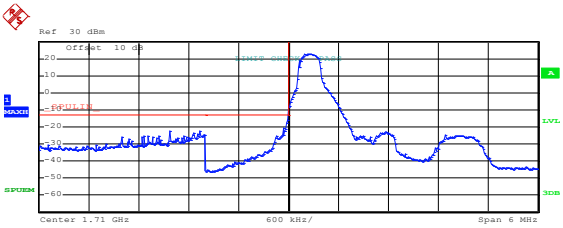

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.754397 G | 14.17 | -18.83 |
| 1.755 G | 1.756 G | 30.00 k | 1.755011 G | -24.79 | -11.79 |
| 1.756 G | 1.758 G | 1.00 M | 1.756012 G | -22.43 | -9.43 |

Date: 12.SEP.2019 14:05:02

Highest channel

LTE Band 4, BW: 1.4MHz

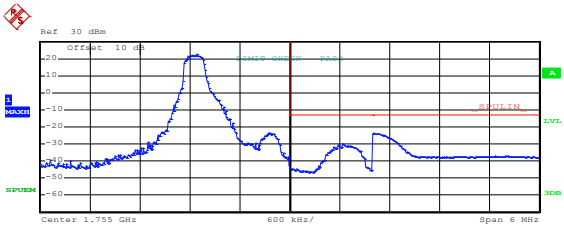
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.708926 G | -22.40 | -9.40 |
| 1.709 G | 1.710 G | 30.00 k | 1.709999 G | -15.96 | -2.96 |
| 1.710 G | 1.713 G | 100.00 k | 1.710252 G | 22.57 | -10.43 |

Date: 12.SEP.2019 14:03:38

Lowest channel

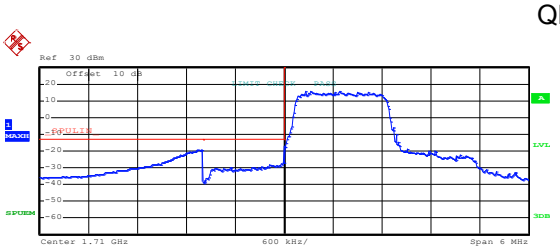



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.753878 G | 22.43 | -10.57 |
| 1.755 G | 1.756 G | 30.00 k | 1.755638 G | -29.90 | -16.90 |
| 1.756 G | 1.758 G | 1.00 M | 1.756006 G | -23.76 | -10.76 |

Date: 12.SEP.2019 14:05:11

Highest channel

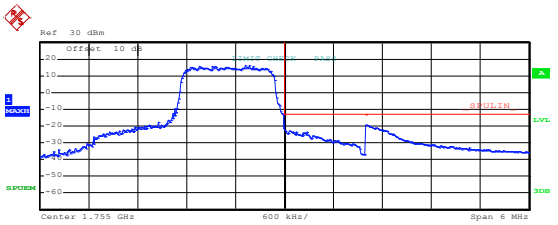
QPSK & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.708984 G | -19.42 | -6.42 |
| 1.709 G | 1.710 G | 30.00 k | 1.709984 G | -27.15 | -14.15 |
| 1.710 G | 1.713 G | 100.00 k | 1.710687 G | 15.66 | -17.34 |

Date: 12.SEP.2019 14:04:12

Lowest channel

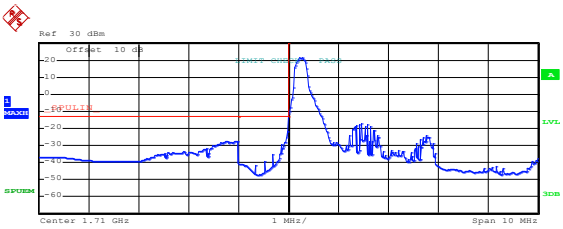



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.754514 G | 16.16 | -16.84 |
| 1.755 G | 1.756 G | 30.00 k | 1.755004 G | -22.05 | -9.05 |
| 1.756 G | 1.758 G | 1.00 M | 1.756012 G | -19.37 | -6.37 |

Date: 12.SEP.2019 14:04:56

Highest channel

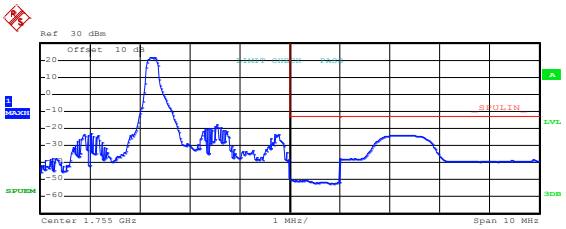
LTE Band 4, BW: 3MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.705 G | 1.709 G | 1.00 M | 1.708935 G | -27.59 | -14.59 |
| 1.709 G | 1.710 G | 30.00 k | 1.709992 G | -22.52 | -9.52 |
| 1.710 G | 1.715 G | 100.00 k | 1.710210 G | 21.36 | -11.64 |

Date: 12.SEP.2019 14:08:26

Lowest channel

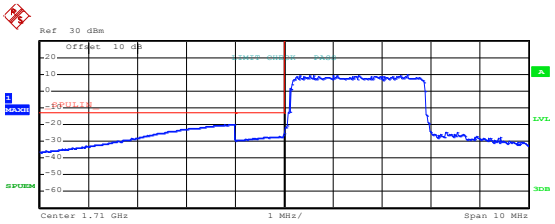



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.750 G | 1.755 G | 100.00 k | 1.752275 G | 21.67 | -11.33 |
| 1.755 G | 1.756 G | 30.00 k | 1.755008 G | -50.19 | -37.19 |
| 1.756 G | 1.760 G | 1.00 M | 1.757355 G | -24.01 | -11.01 |

Date: 12.SEP.2019 14:07:02

Highest channel

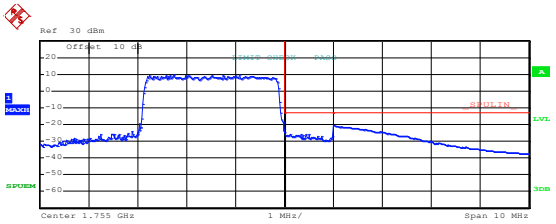
16QAM & RB Size 15




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.705 G | 1.709 G | 1.00 M | 1.709000 G | -19.76 | -6.76 |
| 1.709 G | 1.710 G | 100.00 k | 1.709992 G | -26.63 | -13.63 |
| 1.710 G | 1.715 G | 100.00 k | 1.712515 G | 10.05 | -22.95 |

Date: 12.SEP.2019 14:07:53

Lowest channel

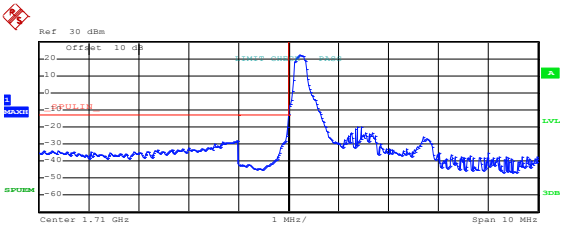



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.750 G | 1.755 G | 100.00 k | 1.752730 G | 9.79 | -23.21 |
| 1.755 G | 1.756 G | 100.00 k | 1.755016 G | -24.96 | -11.96 |
| 1.756 G | 1.760 G | 1.00 M | 1.756000 G | -20.65 | -7.65 |

Date: 12.SEP.2019 14:07:25

Highest channel

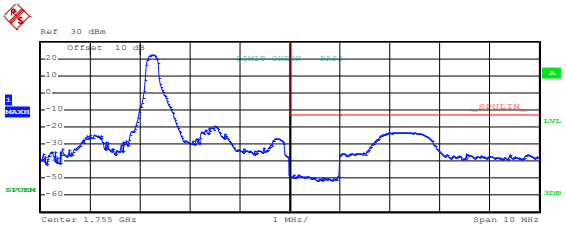
LTE Band 4, BW: 3MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.705 G | 1.709 G | 1.00 M | 1.708968 G | -28.30 | -15.30 |
| 1.709 G | 1.710 G | 30.00 k | 1.709992 G | -20.83 | -7.83 |
| 1.710 G | 1.715 G | 100.00 k | 1.710230 G | 22.37 | -10.63 |

Date: 12.SEP.2019 14:08:10

Lowest channel

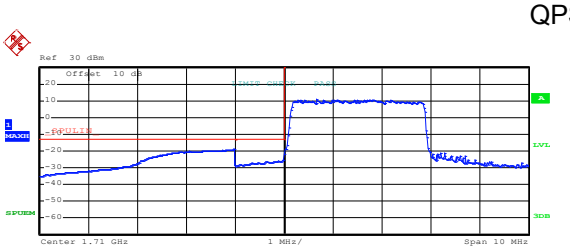



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.750 G | 1.755 G | 100.00 k | 1.752255 G | 22.20 | -10.80 |
| 1.755 G | 1.756 G | 30.00 k | 1.755065 G | -48.12 | -35.12 |
| 1.756 G | 1.760 G | 1.00 M | 1.757161 G | -23.32 | -10.32 |

Date: 12.SEP.2019 14:06:38

Highest channel

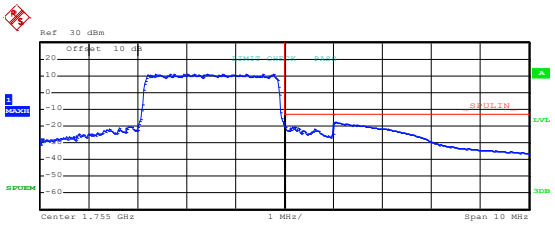
QPSK & RB Size 15




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.705 G | 1.709 G | 1.00 M | 1.709000 G | -18.87 | -5.87 |
| 1.709 G | 1.710 G | 100.00 k | 1.709984 G | -25.12 | -12.12 |
| 1.710 G | 1.715 G | 100.00 k | 1.710655 G | 10.87 | -22.13 |

Date: 12.SEP.2019 14:07:48

Lowest channel

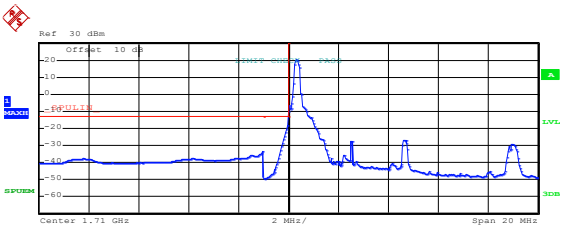



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.750 G | 1.755 G | 100.00 k | 1.753165 G | 11.21 | -21.79 |
| 1.755 G | 1.756 G | 100.00 k | 1.755016 G | -20.14 | -7.14 |
| 1.756 G | 1.760 G | 1.00 M | 1.756065 G | -17.87 | -4.87 |

Date: 12.SEP.2019 14:07:19

Highest channel

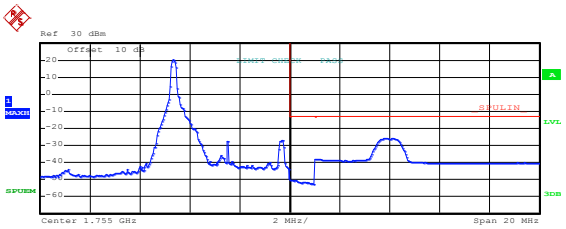
LTE Band 4, BW: 5MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.709000 G | -33.71 | -20.71 |
| 1.709 G | 1.710 G | 30.00 k | 1.709976 G | -18.09 | -5.09 |
| 1.710 G | 1.720 G | 100.00 k | 1.710320 G | 20.37 | -12.63 |

Date: 12.SEP.2019 14:09:10

Lowest channel

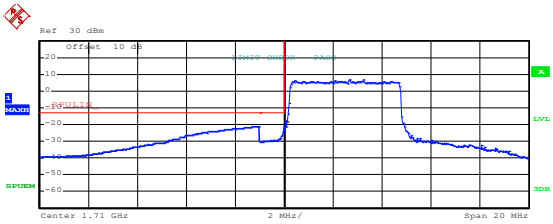



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.745 G | 1.755 G | 100.00 k | 1.750310 G | 20.16 | -12.84 |
| 1.755 G | 1.756 G | 30.00 k | 1.755089 G | -50.17 | -37.17 |
| 1.756 G | 1.765 G | 1.00 M | 1.758903 G | -25.89 | -12.89 |

Date: 12.SEP.2019 14:10:25

Highest channel

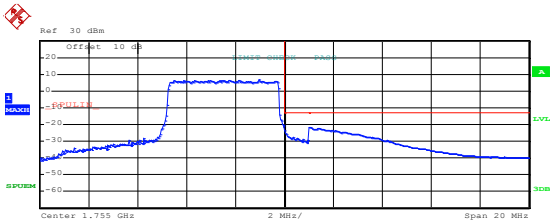
16QAM & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.708855 G | -20.95 | -7.95 |
| 1.709 G | 1.710 G | 100.00 k | 1.709992 G | -24.41 | -11.41 |
| 1.710 G | 1.720 G | 100.00 k | 1.713240 G | 6.92 | -26.08 |

Date: 12.SEP.2019 14:09:30

Lowest channel

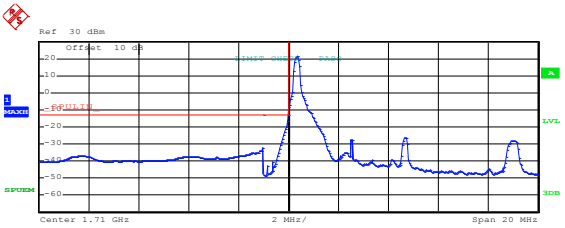



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.745 G | 1.755 G | 100.00 k | 1.753960 G | 6.86 | -26.14 |
| 1.755 G | 1.756 G | 100.00 k | 1.755008 G | -23.51 | -10.51 |
| 1.756 G | 1.765 G | 1.00 M | 1.756073 G | -21.72 | -8.72 |

Date: 12.SEP.2019 14:09:52

Highest channel

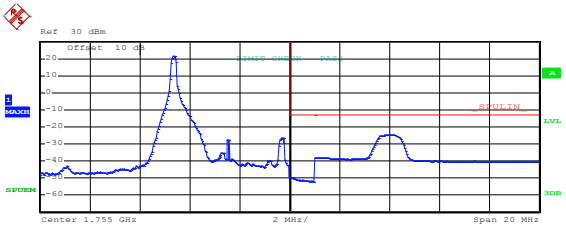
LTE Band 4, BW: 5MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.709000 G | -32.37 | -19.37 |
| 1.709 G | 1.710 G | 30.00 k | 1.709992 G | -16.26 | -3.26 |
| 1.710 G | 1.720 G | 100.00 k | 1.710350 G | 21.35 | -11.65 |

Date: 12.SEP.2019 14:09:03

Lowest channel

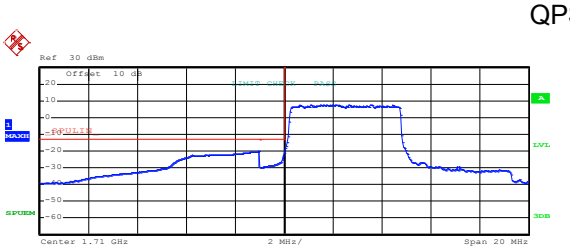



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.745 G | 1.755 G | 100.00 k | 1.750330 G | 21.51 | -11.49 |
| 1.755 G | 1.756 G | 30.00 k | 1.755024 G | -49.87 | -36.87 |
| 1.756 G | 1.765 G | 1.00 M | 1.759121 G | -24.81 | -11.81 |

Date: 12.SEP.2019 14:10:17

Highest channel

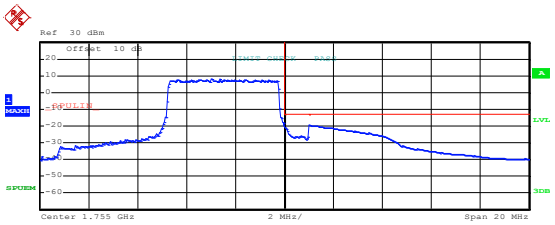
QPSK & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.700 G | 1.709 G | 1.00 M | 1.709000 G | -20.03 | -7.03 |
| 1.709 G | 1.710 G | 100.00 k | 1.709992 G | -23.14 | -10.14 |
| 1.710 G | 1.720 G | 100.00 k | 1.712060 G | 7.75 | -25.25 |

Date: 12.SEP.2019 14:09:25

Lowest channel

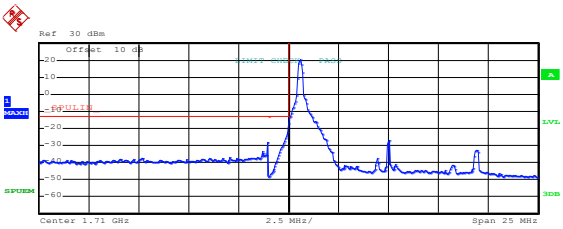



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.745 G | 1.755 G | 100.00 k | 1.752340 G | 8.17 | -24.83 |
| 1.755 G | 1.756 G | 100.00 k | 1.755016 G | -20.99 | -7.99 |
| 1.756 G | 1.765 G | 1.00 M | 1.756000 G | -19.44 | -6.44 |

Date: 12.SEP.2019 14:09:45

Highest channel

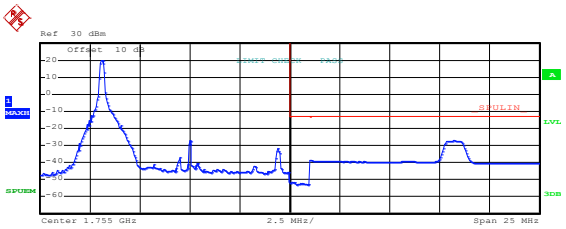
LTE Band 4, BW: 10MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.698 G | 1.709 G | 1.00 M | 1.709000 G | -28.47 | -15.47 |
| 1.709 G | 1.710 G | 30.00 k | 1.709992 G | -23.03 | -10.03 |
| 1.710 G | 1.722 G | 100.00 k | 1.710587 G | 20.28 | -12.72 |

Date: 12.SEP.2019 14:13:38

Lowest channel

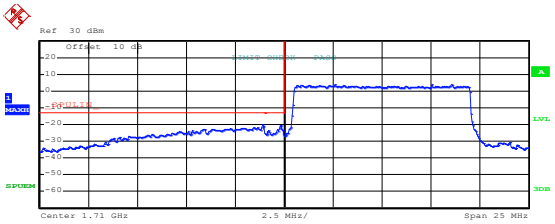



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.742 G | 1.755 G | 100.00 k | 1.745600 G | 19.99 | -13.01 |
| 1.755 G | 1.756 G | 30.00 k | 1.755137 G | -51.36 | -38.36 |
| 1.756 G | 1.768 G | 1.00 M | 1.763234 G | -27.22 | -14.22 |

Date: 12.SEP.2019 14:11:09

Highest channel

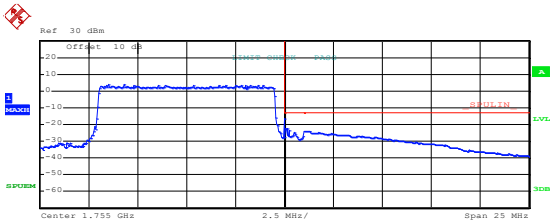
16QAM & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.698 G | 1.709 G | 1.00 M | 1.708907 G | -20.11 | -7.11 |
| 1.709 G | 1.710 G | 300.00 k | 1.709863 G | -20.31 | -7.31 |
| 1.710 G | 1.722 G | 100.00 k | 1.718525 G | 3.93 | -29.07 |

Date: 12.SEP.2019 14:13:16

Lowest channel



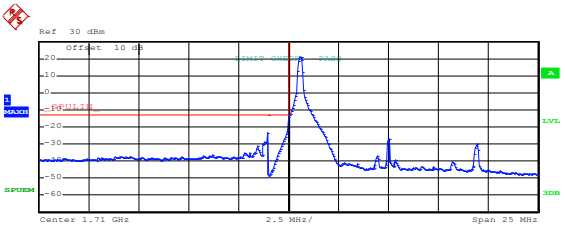

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.742 G | 1.755 G | 100.00 k | 1.746787 G | 3.94 | -29.06 |
| 1.755 G | 1.756 G | 300.00 k | 1.755016 G | -16.73 | -3.73 |
| 1.756 G | 1.768 G | 1.00 M | 1.756000 G | -24.08 | -11.08 |

Date: 12.SEP.2019 14:11:33

Highest channel

LTE Band 4, BW: 10MHz

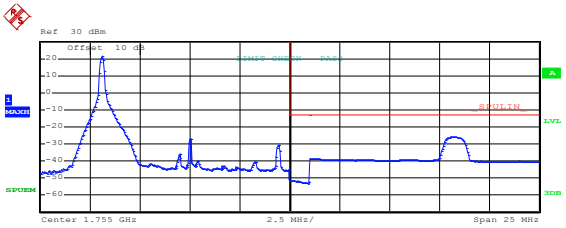
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.698 G | 1.709 G | 1.00 M | 1.709000 G | -23.80 | -10.80 |
| 1.709 G | 1.710 G | 30.00 k | 1.709992 G | -22.01 | -9.01 |
| 1.710 G | 1.722 G | 100.00 k | 1.710600 G | 21.11 | -11.89 |

Date: 12.SEP.2019 14:13:31

Lowest channel

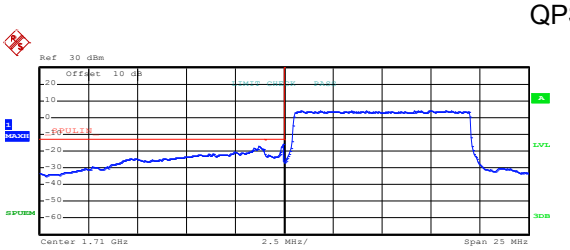



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.742 G | 1.755 G | 100.00 k | 1.745588 G | 21.29 | -11.71 |
| 1.755 G | 1.756 G | 30.00 k | 1.755008 G | -51.44 | -38.44 |
| 1.756 G | 1.768 G | 1.00 M | 1.763141 G | -25.94 | -12.94 |

Date: 12.SEP.2019 14:11:01

Highest channel

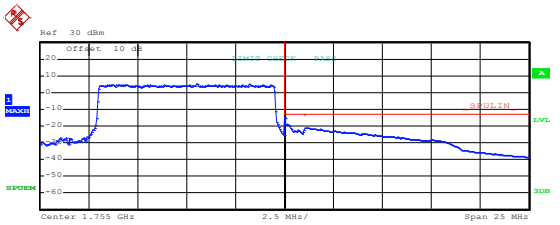
QPSK & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.698 G | 1.709 G | 1.00 M | 1.708722 G | -17.00 | -4.00 |
| 1.709 G | 1.710 G | 300.00 k | 1.709976 G | -15.93 | -2.93 |
| 1.710 G | 1.722 G | 100.00 k | 1.711837 G | 4.14 | -28.86 |

Date: 12.SEP.2019 14:13:10

Lowest channel

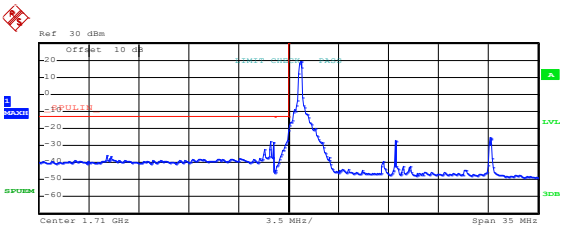



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.742 G | 1.755 G | 100.00 k | 1.750550 G | 5.10 | -27.90 |
| 1.755 G | 1.756 G | 300.00 k | 1.755016 G | -15.19 | -2.19 |
| 1.756 G | 1.768 G | 1.00 M | 1.756093 G | -21.07 | -8.07 |

Date: 12.SEP.2019 14:11:28

Highest channel

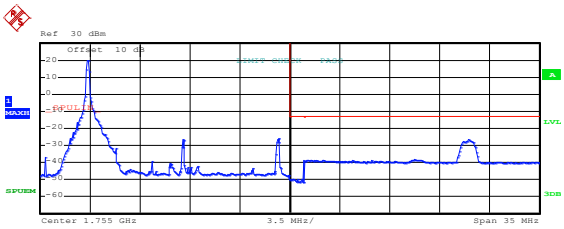
LTE Band 4, BW: 15MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.692 G | 1.709 G | 1.00 M | 1.708734 G | -27.60 | -14.60 |
| 1.709 G | 1.710 G | 30.00 k | 1.709968 G | -26.73 | -13.73 |
| 1.710 G | 1.728 G | 100.00 k | 1.710875 G | 19.45 | -13.55 |

Date: 12.SEP.2019 14:14:19

Lowest channel

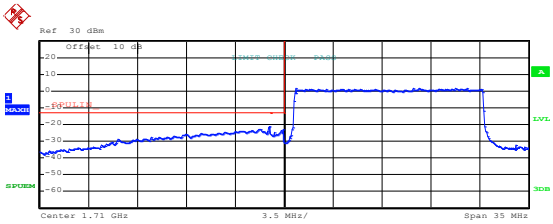



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.738 G | 1.755 G | 100.00 k | 1.740825 G | 19.61 | -13.39 |
| 1.755 G | 1.756 G | 30.00 k | 1.755042 G | -49.21 | -36.21 |
| 1.756 G | 1.773 G | 1.00 M | 1.767500 G | -26.72 | -13.72 |

Date: 12.SEP.2019 14:15:30

Highest channel

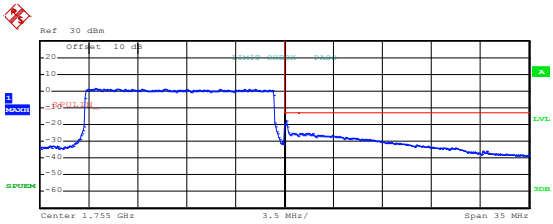
16QAM & RB Size 75




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.692 G | 1.709 G | 1.00 M | 1.709000 G | -20.92 | -7.92 |
| 1.709 G | 1.710 G | 300.00 k | 1.709952 G | -23.17 | -10.17 |
| 1.710 G | 1.728 G | 100.00 k | 1.722268 G | 1.47 | -31.53 |

Date: 12.SEP.2019 14:14:38

Lowest channel

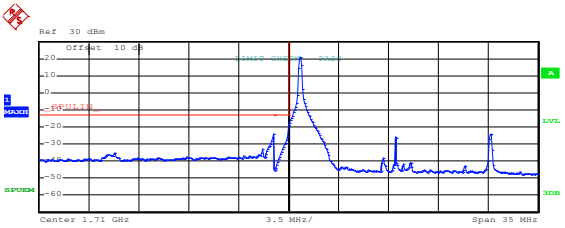



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.738 G | 1.755 G | 100.00 k | 1.741473 G | 1.83 | -31.17 |
| 1.755 G | 1.756 G | 300.00 k | 1.755162 G | -17.82 | -4.82 |
| 1.756 G | 1.773 G | 1.00 M | 1.756215 G | -25.24 | -12.24 |

Date: 12.SEP.2019 14:15:09

Highest channel

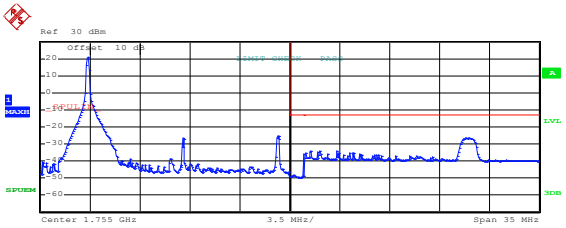
LTE Band 4, BW: 15MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.692 G | 1.709 G | 1.00 M | 1.709000 G | -23.88 | -10.88 |
| 1.709 G | 1.710 G | 30.00 k | 1.709976 G | -25.70 | -12.70 |
| 1.710 G | 1.728 G | 100.00 k | 1.710822 G | 20.98 | -12.02 |

Date: 12.SEP.2019 14:14:13

Lowest channel

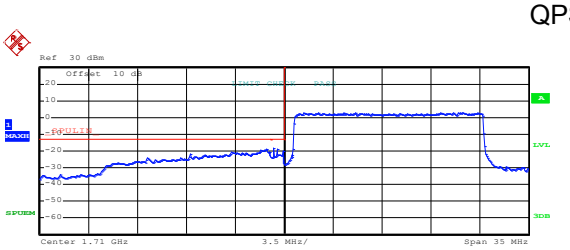



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.738 G | 1.755 G | 100.00 k | 1.740860 G | 20.99 | -12.01 |
| 1.755 G | 1.756 G | 30.00 k | 1.755270 G | -48.13 | -35.13 |
| 1.756 G | 1.773 G | 1.00 M | 1.767500 G | -26.45 | -13.45 |

Date: 12.SEP.2019 14:15:24

Highest channel

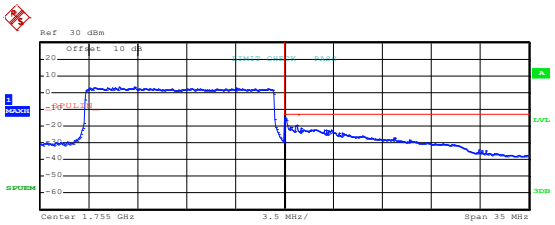
QPSK & RB Size 75




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.692 G | 1.709 G | 1.00 M | 1.708734 G | -18.61 | -5.61 |
| 1.709 G | 1.710 G | 300.00 k | 1.709202 G | -18.15 | -5.15 |
| 1.710 G | 1.728 G | 100.00 k | 1.723860 G | 2.86 | -30.14 |

Date: 12.SEP.2019 14:14:33

Lowest channel

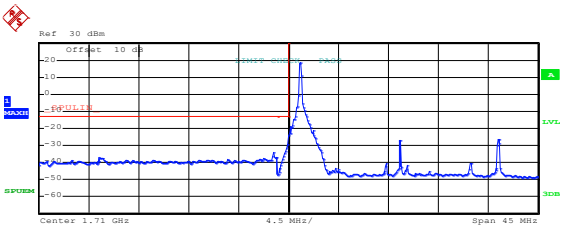



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.738 G | 1.755 G | 100.00 k | 1.743187 G | 3.12 | -29.88 |
| 1.755 G | 1.756 G | 300.00 k | 1.755017 G | -14.74 | -1.74 |
| 1.756 G | 1.773 G | 1.00 M | 1.756165 G | -21.33 | -8.33 |

Date: 12.SEP.2019 14:15:01

Highest channel

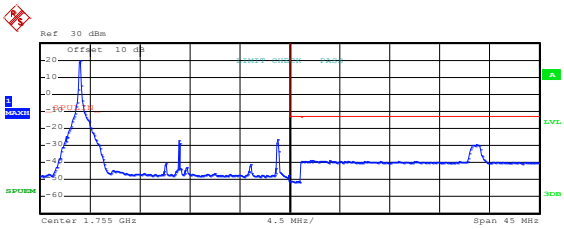
LTE Band 4, BW: 20MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.708653 G | -33.93 | -20.93 |
| 1.709 G | 1.710 G | 30.00 k | 1.709984 G | -29.10 | -16.10 |
| 1.710 G | 1.732 G | 100.00 k | 1.711080 G | 18.88 | -14.12 |

Date: 12.SEP.2019 14:17:21

Lowest channel

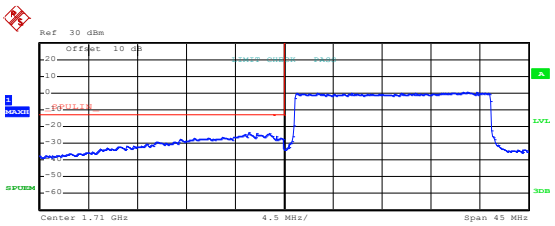



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.732 G | 1.755 G | 100.00 k | 1.736077 G | 19.80 | -13.20 |
| 1.755 G | 1.756 G | 30.00 k | 1.755108 G | -50.50 | -37.50 |
| 1.756 G | 1.778 G | 1.00 M | 1.771846 G | -29.58 | -16.58 |

Date: 12.SEP.2019 14:16:13

Highest channel

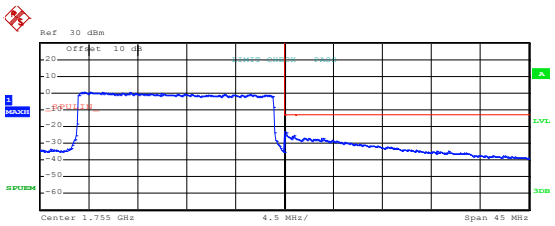
16QAM & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.706746 G | -23.47 | -10.47 |
| 1.709 G | 1.710 G | 300.00 k | 1.709234 G | -26.09 | -13.09 |
| 1.710 G | 1.732 G | 100.00 k | 1.726785 G | 0.33 | -32.67 |

Date: 12.SEP.2019 14:17:02

Lowest channel



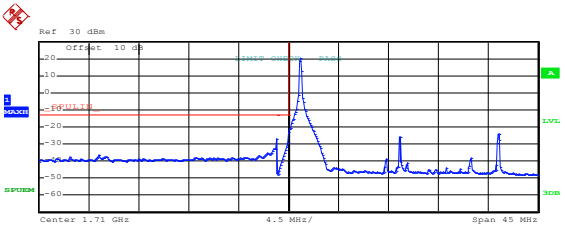

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.732 G | 1.755 G | 100.00 k | 1.736663 G | 0.75 | -32.25 |
| 1.755 G | 1.756 G | 300.00 k | 1.755035 G | -23.11 | -10.11 |
| 1.756 G | 1.778 G | 1.00 M | 1.756882 G | -26.55 | -13.55 |

Date: 12.SEP.2019 14:16:35

Highest channel

LTE Band 4, BW: 20MHz

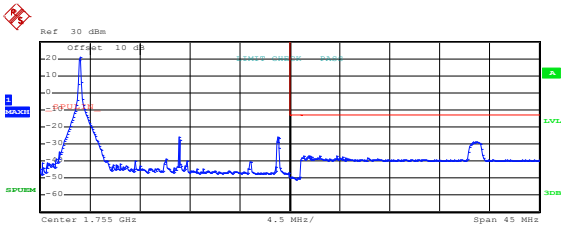
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.709000 G | -27.30 | -14.30 |
| 1.709 G | 1.710 G | 30.00 k | 1.709976 G | -29.41 | -16.41 |
| 1.710 G | 1.732 G | 100.00 k | 1.711103 G | 20.28 | -12.72 |

Date: 12.SEP.2019 14:17:15

Lowest channel

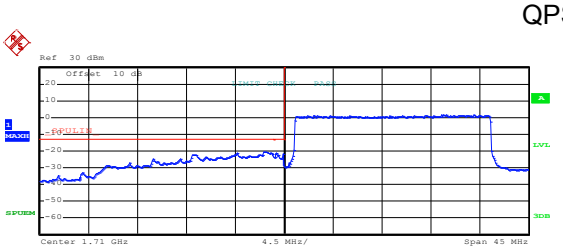



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.732 G | 1.755 G | 100.00 k | 1.736100 G | 20.93 | -12.07 |
| 1.755 G | 1.756 G | 30.00 k | 1.755164 G | -49.19 | -36.19 |
| 1.756 G | 1.778 G | 1.00 M | 1.771545 G | -28.54 | -15.54 |

Date: 12.SEP.2019 14:16:06

Highest channel

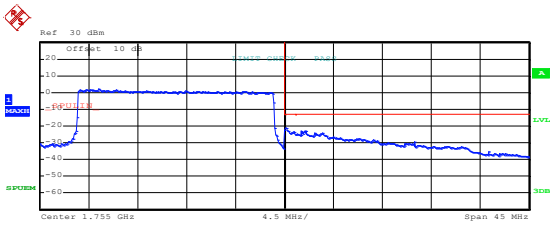
QPSK & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.708306 G | -20.42 | -7.42 |
| 1.709 G | 1.710 G | 300.00 k | 1.709306 G | -21.32 | -8.32 |
| 1.710 G | 1.732 G | 100.00 k | 1.724648 G | 1.68 | -31.32 |

Date: 12.SEP.2019 14:16:55

Lowest channel



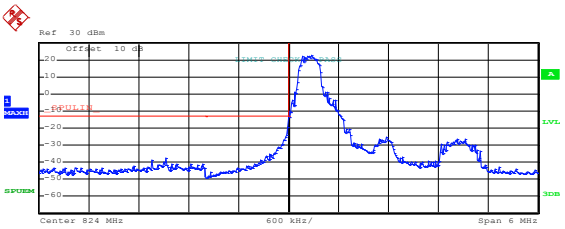

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.732 G | 1.755 G | 100.00 k | 1.737855 G | 1.95 | -31.05 |
| 1.755 G | 1.756 G | 300.00 k | 1.755081 G | -21.06 | -8.06 |
| 1.756 G | 1.778 G | 1.00 M | 1.756903 G | -22.67 | -9.67 |

Date: 12.SEP.2019 14:16:29

Highest channel

**LTE Band 5 part:**

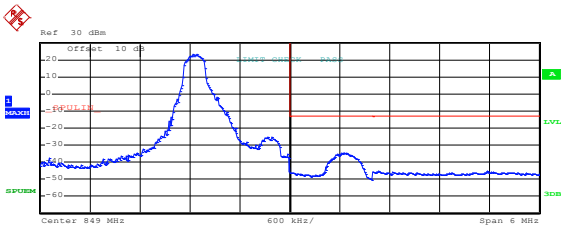
LTE Band 5, BW: 1.4MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 821.000 M | 823.000 M | 100.00 k | 822.528000 M | -37.42 | -24.42 |
| 823.000 M | 824.000 M | 30.00 k | 823.996000 M | -19.79 | -6.79 |
| 824.000 M | 827.000 M | 100.00 k | 824.276000 M | 22.59 | -10.41 |

Date: 12.SEP.2019 14:18:55

Lowest channel

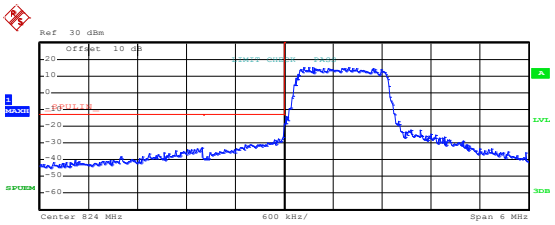



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 846.000 M | 849.000 M | 100.00 k | 847.836000 M | 23.42 | -9.58 |
| 849.000 M | 850.000 M | 30.00 k | 849.645161 M | -34.42 | -21.42 |
| 850.000 M | 852.000 M | 100.00 k | 850.064516 M | -45.27 | -32.27 |

Date: 12.SEP.2019 14:20:17

Highest channel

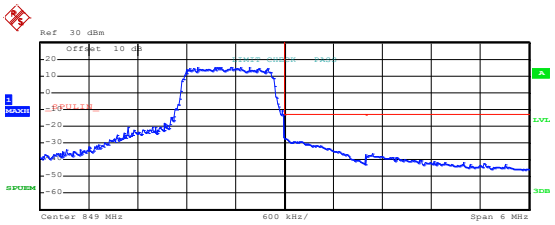
16QAM & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 821.000 M | 823.000 M | 100.00 k | 823.000000 M | -32.72 | -19.72 |
| 823.000 M | 824.000 M | 30.00 k | 823.996000 M | -26.67 | -13.67 |
| 824.000 M | 827.000 M | 100.00 k | 824.300000 M | 15.30 | -17.70 |

Date: 12.SEP.2019 14:19:09

Lowest channel

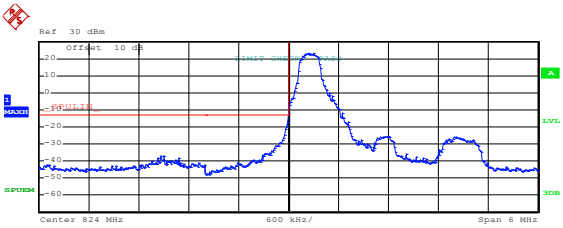



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 846.000 M | 849.000 M | 100.00 k | 848.352000 M | 15.38 | -17.62 |
| 849.000 M | 850.000 M | 30.00 k | 849.016129 M | -27.31 | -14.31 |
| 850.000 M | 852.000 M | 100.00 k | 850.080645 M | -36.48 | -23.48 |

Date: 12.SEP.2019 14:19:51

Highest channel

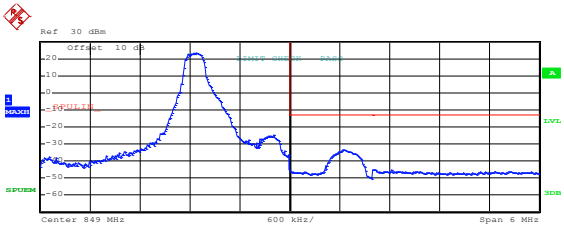
LTE Band 5, BW: 1.4MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 821.000 M | 823.000 M | 100.00 k | 822.504000 M | -36.82 | -23.82 |
| 823.000 M | 824.000 M | 30.00 k | 823.992000 M | -17.04 | -4.04 |
| 824.000 M | 827.000 M | 100.00 k | 824.237000 M | 23.31 | -9.69 |

Date: 12.SEP.2019 14:18:44

Lowest channel

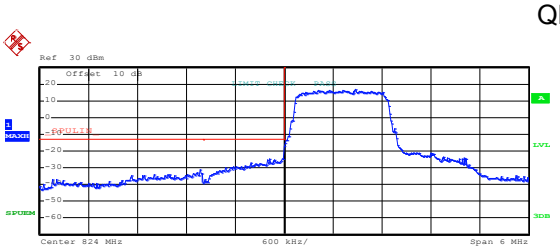



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 846.000 M | 849.000 M | 100.00 k | 847.887000 M | 23.47 | -9.53 |
| 849.000 M | 850.000 M | 30.00 k | 849.637097 M | -33.38 | -20.38 |
| 850.000 M | 852.000 M | 100.00 k | 850.032258 M | -44.90 | -31.90 |

Date: 12.SEP.2019 14:20:02

Highest channel

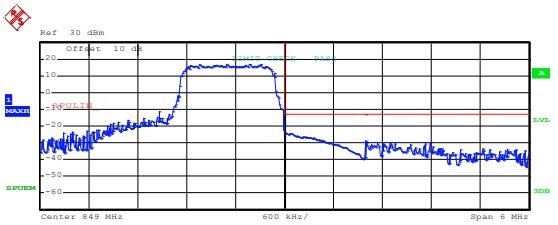
QPSK & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 821.000 M | 823.000 M | 100.00 k | 822.972000 M | -31.35 | -18.35 |
| 823.000 M | 824.000 M | 30.00 k | 823.983000 M | -24.46 | -11.46 |
| 824.000 M | 827.000 M | 100.00 k | 824.876000 M | 16.87 | -16.13 |

Date: 12.SEP.2019 14:19:04

Lowest channel

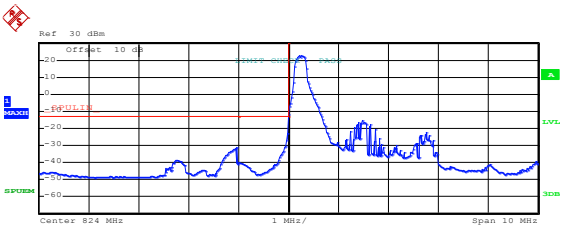



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 846.000 M | 849.000 M | 100.00 k | 848.565000 M | 16.93 | -16.07 |
| 849.000 M | 850.000 M | 30.00 k | 849.008065 M | -23.74 | -10.74 |
| 850.000 M | 852.000 M | 100.00 k | 850.000000 M | -28.78 | -15.78 |

Date: 12.SEP.2019 14:19:44

Highest channel

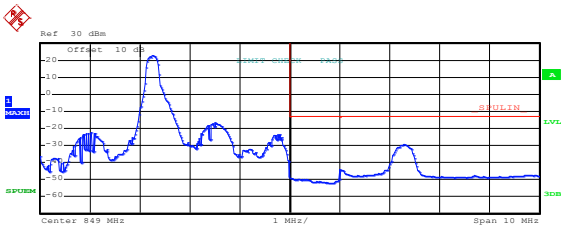
LTE Band 5, BW: 3MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 819.000 M | 823.000 M | 100.00 k | 822.967742 M | -31.07 | -18.07 |
| 823.000 M | 824.000 M | 30.00 k | 823.991935 M | -23.47 | -10.47 |
| 824.000 M | 829.000 M | 100.00 k | 824.265000 M | 22.51 | -10.49 |

Date: 12.SEP.2019 14:25:39

Lowest channel

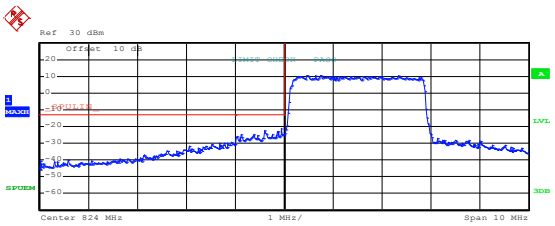



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 844.000 M | 849.000 M | 100.00 k | 846.250000 M | 22.79 | -10.21 |
| 849.000 M | 850.000 M | 30.00 k | 849.032258 M | -49.45 | -36.45 |
| 850.000 M | 854.000 M | 100.00 k | 851.290323 M | -29.44 | -16.44 |

Date: 12.SEP.2019 14:23:54

Highest channel

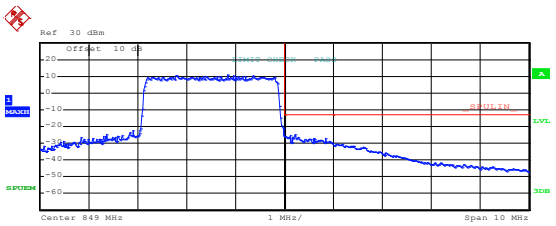
16QAM & RB Size 15




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 819.000 M | 823.000 M | 100.00 k | 822.916000 M | -29.49 | -16.49 |
| 823.000 M | 824.000 M | 100.00 k | 823.933000 M | -21.41 | -8.41 |
| 824.000 M | 829.000 M | 100.00 k | 824.475000 M | 10.66 | -22.34 |

Date: 12.SEP.2019 14:24:51

Lowest channel

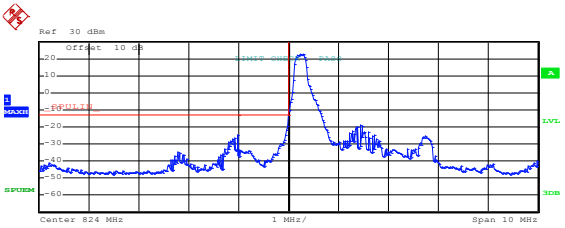



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 844.000 M | 849.000 M | 100.00 k | 847.830000 M | 10.72 | -22.28 |
| 849.000 M | 850.000 M | 100.00 k | 849.217742 M | -24.83 | -11.83 |
| 850.000 M | 854.000 M | 100.00 k | 850.064516 M | -30.49 | -17.49 |

Date: 12.SEP.2019 14:24:15

Highest channel

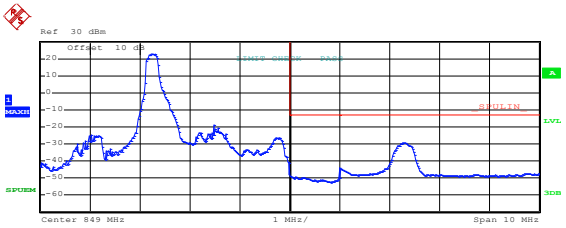
LTE Band 5, BW: 3MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 819.000 M | 823.000 M | 100.00 k | 822.980000 M | -24.62 | -11.62 |
| 823.000 M | 824.000 M | 30.00 k | 823.999000 M | -19.42 | -6.42 |
| 824.000 M | 829.000 M | 100.00 k | 824.235000 M | 22.77 | -10.23 |

Date: 12.SEP.2019 14:25:04

Lowest channel

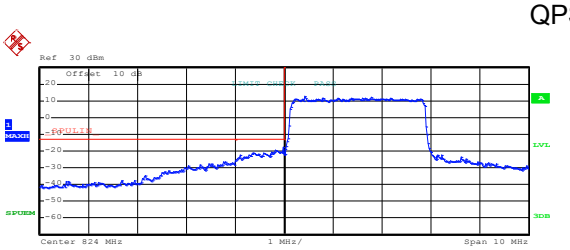



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 844.000 M | 849.000 M | 100.00 k | 846.265000 M | 22.84 | -10.16 |
| 849.000 M | 850.000 M | 30.00 k | 849.016129 M | -49.01 | -36.01 |
| 850.000 M | 854.000 M | 100.00 k | 851.258065 M | -29.39 | -16.39 |

Date: 12.SEP.2019 14:23:27

Highest channel

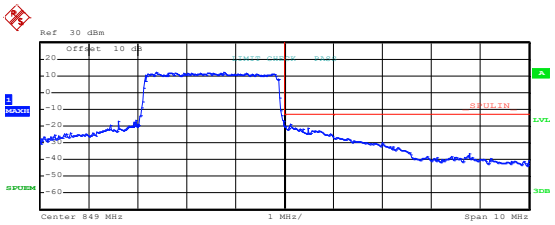
QPSK & RB Size 15




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 819.000 M | 823.000 M | 100.00 k | 822.756000 M | -26.37 | -13.37 |
| 823.000 M | 824.000 M | 100.00 k | 823.993000 M | -17.45 | -4.45 |
| 824.000 M | 829.000 M | 100.00 k | 824.410000 M | 12.47 | -20.53 |

Date: 12.SEP.2019 14:24:45

Lowest channel

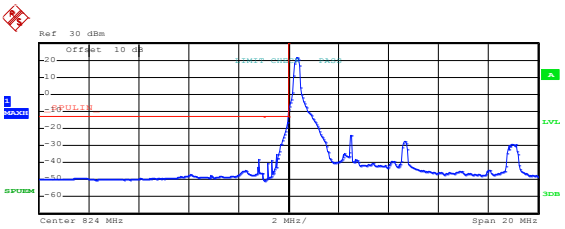



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 844.000 M | 849.000 M | 100.00 k | 847.765000 M | 11.98 | -21.02 |
| 849.000 M | 850.000 M | 100.00 k | 849.120968 M | -18.68 | -5.68 |
| 850.000 M | 854.000 M | 100.00 k | 850.064516 M | -27.05 | -14.05 |

Date: 12.SEP.2019 14:24:10

Highest channel

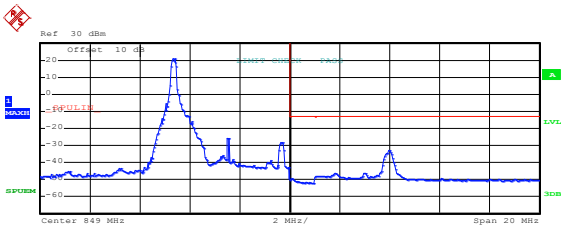
LTE Band 5, BW: 5MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 814.000 M | 823.000 M | 100.00 k | 822.782258 M | -38.25 | -25.25 |
| 823.000 M | 824.000 M | 30.00 k | 823.991935 M | -16.71 | -3.71 |
| 824.000 M | 834.000 M | 100.00 k | 824.330000 M | 21.66 | -11.34 |

Date: 12.SEP.2019 14:27:25

Lowest channel

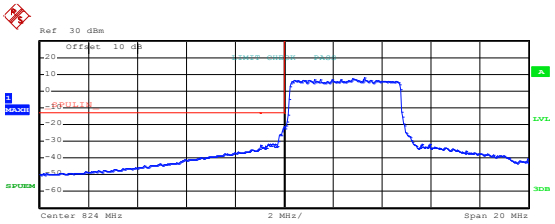



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 839.000 M | 849.000 M | 100.00 k | 844.410000 M | 21.06 | -11.94 |
| 849.000 M | 850.000 M | 30.00 k | 849.016129 M | -49.24 | -36.24 |
| 850.000 M | 859.000 M | 100.00 k | 852.975806 M | -32.67 | -19.67 |

Date: 12.SEP.2019 14:28:37

Highest channel

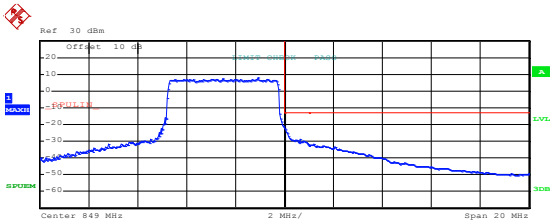
16QAM & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 814.000 M | 823.000 M | 100.00 k | 823.000000 M | -34.81 | -21.81 |
| 823.000 M | 824.000 M | 100.00 k | 823.975806 M | -22.11 | -9.11 |
| 824.000 M | 834.000 M | 100.00 k | 827.270000 M | 8.17 | -24.83 |

Date: 12.SEP.2019 14:27:46

Lowest channel

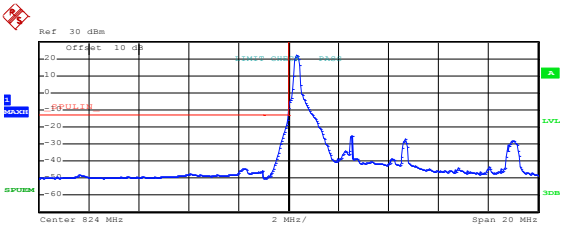



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 839.000 M | 849.000 M | 100.00 k | 847.900000 M | 7.78 | -25.22 |
| 849.000 M | 850.000 M | 100.00 k | 849.064516 M | -21.75 | -8.75 |
| 850.000 M | 859.000 M | 100.00 k | 850.217742 M | -31.86 | -18.86 |

Date: 12.SEP.2019 14:28:14

Highest channel

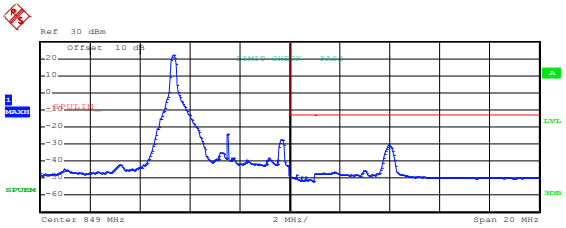
LTE Band 5, BW: 5MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 814.000 M | 823.000 M | 100.00 k | 822.274194 M | -44.47 | -31.47 |
| 823.000 M | 824.000 M | 30.00 k | 823.991935 M | -16.05 | -3.05 |
| 824.000 M | 834.000 M | 100.00 k | 824.330000 M | 22.15 | -10.85 |

Date: 12.SEP.2019 14:26:23

Lowest channel

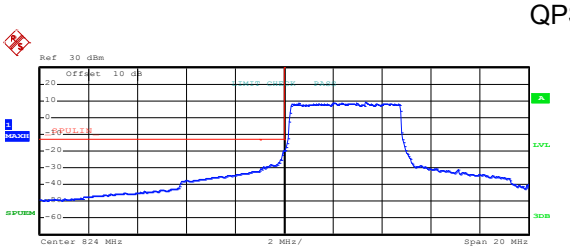



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 839.000 M | 849.000 M | 100.00 k | 844.340000 M | 22.33 | -10.67 |
| 849.000 M | 850.000 M | 30.00 k | 849.282258 M | -48.30 | -35.30 |
| 850.000 M | 859.000 M | 100.00 k | 852.975806 M | -30.70 | -17.70 |

Date: 12.SEP.2019 14:28:31

Highest channel

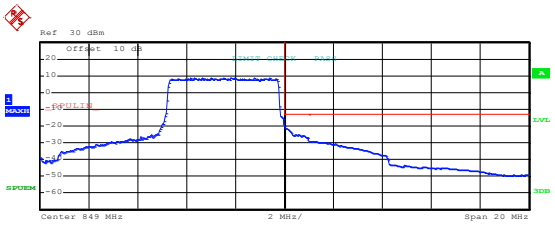
QPSK & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 814.000 M | 823.000 M | 100.00 k | 822.709677 M | -32.21 | -19.21 |
| 823.000 M | 824.000 M | 100.00 k | 823.991935 M | -20.23 | -7.23 |
| 824.000 M | 834.000 M | 100.00 k | 827.320000 M | 9.10 | -23.90 |

Date: 12.SEP.2019 14:27:40

Lowest channel

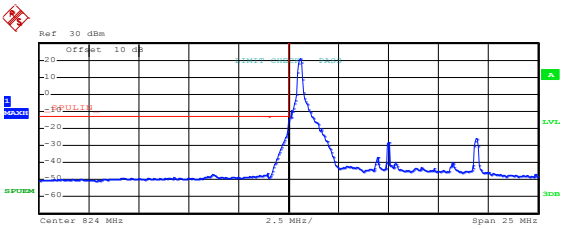



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 839.000 M | 849.000 M | 100.00 k | 846.520000 M | 8.89 | -24.11 |
| 849.000 M | 850.000 M | 100.00 k | 849.024194 M | -19.12 | -6.12 |
| 850.000 M | 859.000 M | 100.00 k | 850.000000 M | -29.21 | -16.21 |

Date: 12.SEP.2019 14:28:09

Highest channel

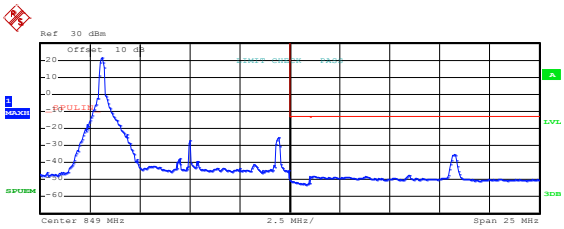
LTE Band 5, BW: 10MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 811.500 M | 823.000 M | 100.00 k | 823.000000 M | -46.50 | -33.50 |
| 823.000 M | 824.000 M | 30.00 k | 823.991935 M | -22.19 | -9.19 |
| 824.000 M | 836.500 M | 100.00 k | 824.575000 M | 20.99 | -12.01 |

Date: 12.SEP.2019 14:30:44

Lowest channel

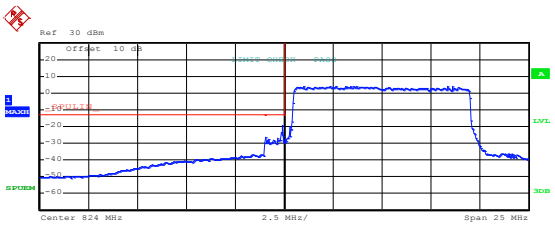



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 836.500 M | 849.000 M | 100.00 k | 839.612500 M | 21.29 | -11.71 |
| 849.000 M | 850.000 M | 30.00 k | 849.008065 M | -49.88 | -36.88 |
| 850.000 M | 861.500 M | 100.00 k | 857.233871 M | -35.37 | -22.37 |

Date: 12.SEP.2019 14:29:33

Highest channel

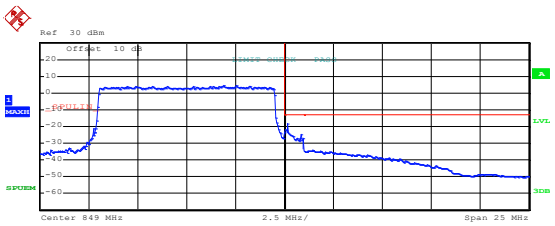
16QAM & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 811.500 M | 823.000 M | 100.00 k | 822.814516 M | -36.80 | -23.80 |
| 823.000 M | 824.000 M | 300.00 k | 823.879032 M | -19.41 | -6.41 |
| 824.000 M | 836.500 M | 100.00 k | 827.700000 M | 4.12 | -28.88 |

Date: 12.SEP.2019 14:30:22

Lowest channel



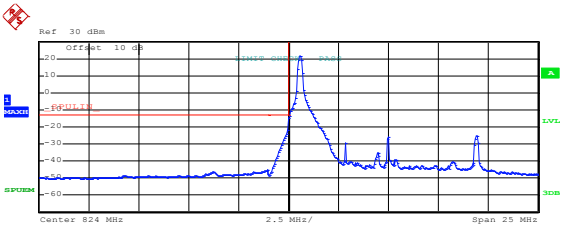

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 836.500 M | 849.000 M | 100.00 k | 845.887500 M | 4.57 | -28.43 |
| 849.000 M | 850.000 M | 300.00 k | 849.120968 M | -18.33 | -5.33 |
| 850.000 M | 861.500 M | 100.00 k | 850.463710 M | -34.21 | -21.21 |

Date: 12.SEP.2019 14:29:53

Highest channel

LTE Band 5, BW: 10MHz

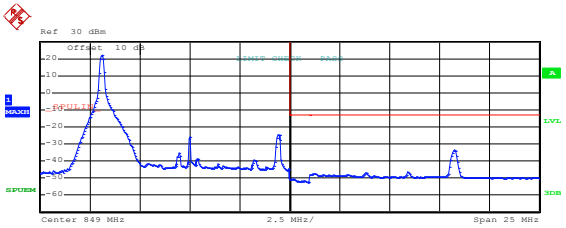
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 811.500 M | 823.000 M | 100.00 k | 823.000000 M | -45.22 | -32.22 |
| 823.000 M | 824.000 M | 30.00 k | 823.983871 M | -21.97 | -8.97 |
| 824.000 M | 836.500 M | 100.00 k | 824.575000 M | 21.61 | -11.39 |

Date: 12.SEP.2019 14:30:37

Lowest channel

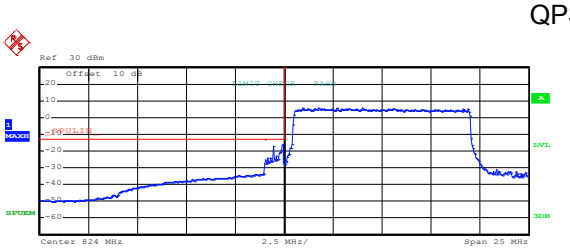



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 836.500 M | 849.000 M | 100.00 k | 839.600000 M | 22.19 | -10.81 |
| 849.000 M | 850.000 M | 30.00 k | 849.209677 M | -50.59 | -37.59 |
| 850.000 M | 861.500 M | 100.00 k | 857.233871 M | -33.32 | -20.32 |

Date: 12.SEP.2019 14:29:26

Highest channel

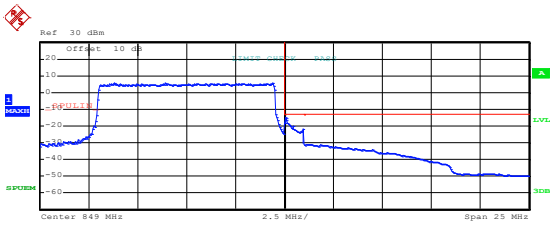
QPSK & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 811.500 M | 823.000 M | 100.00 k | 823.000000 M | -33.71 | -20.71 |
| 823.000 M | 824.000 M | 300.00 k | 823.951613 M | -15.74 | -2.74 |
| 824.000 M | 836.500 M | 100.00 k | 824.962500 M | 5.89 | -27.11 |

Date: 12.SEP.2019 14:30:16

Lowest channel



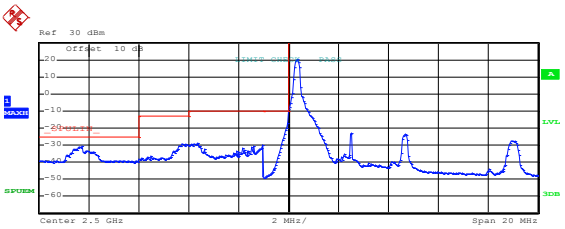

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 836.500 M | 849.000 M | 100.00 k | 840.275000 M | 5.93 | -27.07 |
| 849.000 M | 850.000 M | 300.00 k | 849.056452 M | -14.90 | -1.90 |
| 850.000 M | 861.500 M | 100.00 k | 850.370968 M | -30.95 | -17.95 |

Date: 12.SEP.2019 14:29:48

Highest channel

**LTE Band 7 part:**

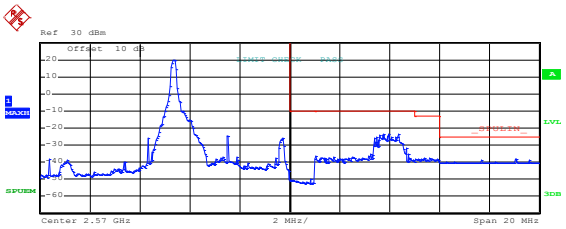
LTE Band 7, BW: 5MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.490 G | 2.494 G | 1.00 M | 2.491677 G | -30.58 | -5.58 |
| 2.494 G | 2.496 G | 1.00 M | 2.495871 G | -29.49 | -16.49 |
| 2.496 G | 2.499 G | 1.00 M | 2.496339 G | -28.58 | -18.58 |
| 2.499 G | 2.500 G | 30.00 k | 2.499984 G | -17.18 | -7.18 |
| 2.500 G | 2.510 G | 100.00 k | 2.500370 G | 20.15 | -12.85 |

Date: 12.SEP.2019 14:34:17

Lowest channel

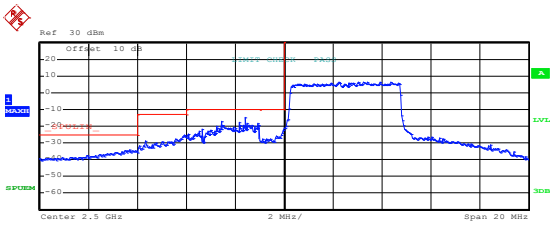



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.560 G | 2.570 G | 100.00 k | 2.565380 G | 20.06 | -12.94 |
| 2.570 G | 2.571 G | 30.00 k | 2.570847 G | -49.65 | -39.65 |
| 2.571 G | 2.575 G | 1.00 M | 2.574323 G | -23.30 | -13.30 |
| 2.575 G | 2.576 G | 1.00 M | 2.575573 G | -37.55 | -24.55 |
| 2.576 G | 2.580 G | 1.00 M | 2.579032 G | -38.04 | -13.04 |

Date: 12.SEP.2019 14:37:17

Highest channel

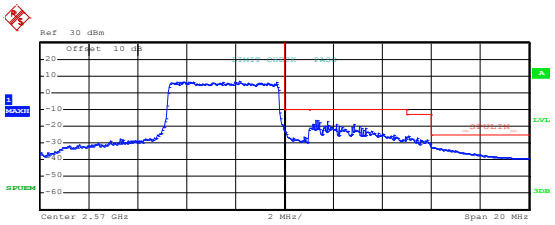
16QAM & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.490 G | 2.494 G | 1.00 M | 2.493645 G | -34.17 | -9.17 |
| 2.494 G | 2.496 G | 1.00 M | 2.495919 G | -25.41 | -12.41 |
| 2.496 G | 2.499 G | 1.00 M | 2.498395 G | -14.63 | -4.63 |
| 2.499 G | 2.500 G | 100.00 k | 2.499960 G | -22.06 | -12.06 |
| 2.500 G | 2.510 G | 100.00 k | 2.503240 G | 6.20 | -26.80 |

Date: 12.SEP.2019 14:34:49

Lowest channel

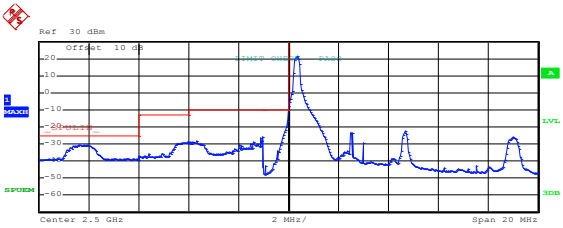



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.560 G | 2.570 G | 100.00 k | 2.568170 G | 6.70 | -26.30 |
| 2.570 G | 2.571 G | 100.00 k | 2.570016 G | -21.90 | -11.90 |
| 2.571 G | 2.575 G | 1.00 M | 2.571258 G | -16.20 | -6.20 |
| 2.575 G | 2.576 G | 1.00 M | 2.575056 G | -25.84 | -12.84 |
| 2.576 G | 2.580 G | 1.00 M | 2.576097 G | -32.70 | -7.70 |

Date: 12.SEP.2019 14:36:54

Highest channel

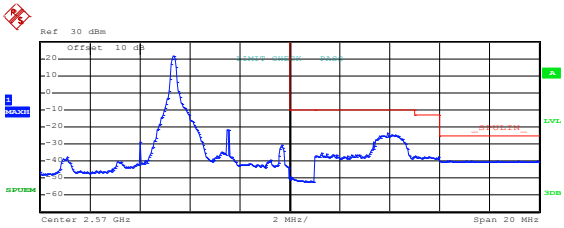
LTE Band 7, BW: 5MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.490 G | 2.494 G | 1.00 M | 2.491903 G | -30.28 | -5.28 |
| 2.494 G | 2.496 G | 1.00 M | 2.495968 G | -28.94 | -15.94 |
| 2.496 G | 2.499 G | 1.00 M | 2.498952 G | -25.92 | -15.92 |
| 2.499 G | 2.500 G | 30.00 k | 2.499992 G | -16.51 | -6.51 |
| 2.500 G | 2.510 G | 100.00 k | 2.500370 G | 21.30 | -11.70 |

Date: 12.SEP.2019 14:33:49

Lowest channel

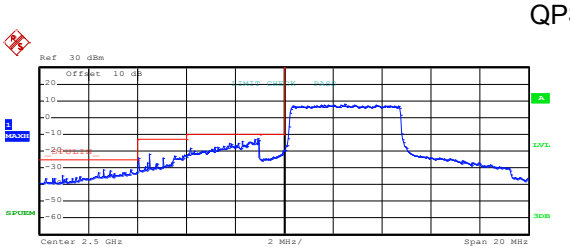



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.560 G | 2.570 G | 100.00 k | 2.565330 G | 21.32 | -11.68 |
| 2.570 G | 2.571 G | 30.00 k | 2.570032 G | -49.04 | -39.04 |
| 2.571 G | 2.575 G | 1.00 M | 2.573903 G | -23.71 | -13.71 |
| 2.575 G | 2.576 G | 1.00 M | 2.575040 G | -37.10 | -24.10 |
| 2.576 G | 2.580 G | 1.00 M | 2.576355 G | -39.99 | -14.99 |

Date: 12.SEP.2019 14:37:11

Highest channel

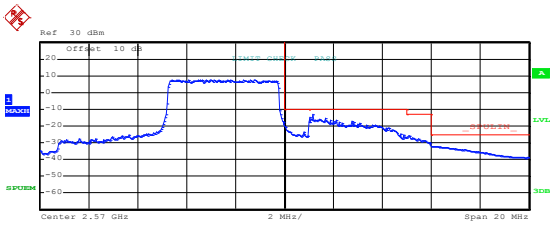
QPSK & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.490 G | 2.494 G | 1.00 M | 2.493677 G | -31.03 | -6.03 |
| 2.494 G | 2.496 G | 1.00 M | 2.494468 G | -21.67 | -8.67 |
| 2.496 G | 2.499 G | 1.00 M | 2.498879 G | -12.53 | -2.53 |
| 2.499 G | 2.500 G | 100.00 k | 2.499984 G | -19.82 | -9.82 |
| 2.500 G | 2.510 G | 100.00 k | 2.502480 G | 7.81 | -25.19 |

Date: 12.SEP.2019 14:34:43

Lowest channel

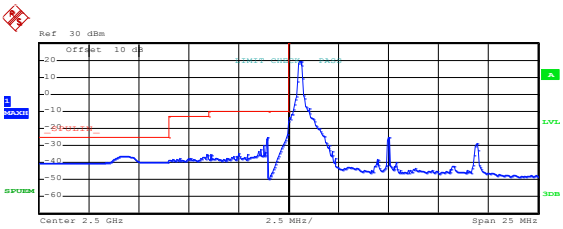



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.560 G | 2.570 G | 100.00 k | 2.567800 G | 7.77 | -25.23 |
| 2.570 G | 2.571 G | 100.00 k | 2.570008 G | -20.17 | -10.17 |
| 2.571 G | 2.575 G | 1.00 M | 2.571129 G | -13.22 | -3.22 |
| 2.575 G | 2.576 G | 1.00 M | 2.575097 G | -25.89 | -12.89 |
| 2.576 G | 2.580 G | 1.00 M | 2.576065 G | -32.07 | -7.07 |

Date: 12.SEP.2019 14:36:48

Highest channel

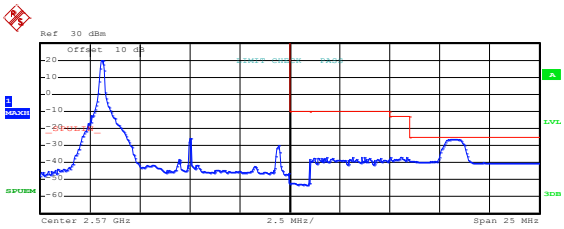
LTE Band 7, BW: 10MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.487 G | 2.494 G | 1.00 M | 2.491851 G | -36.27 | -11.27 |
| 2.494 G | 2.496 G | 1.00 M | 2.495871 G | -35.47 | -22.47 |
| 2.496 G | 2.499 G | 1.00 M | 2.498952 G | -25.13 | -15.13 |
| 2.499 G | 2.500 G | 30.00 k | 2.499976 G | -23.54 | -13.54 |
| 2.500 G | 2.513 G | 100.00 k | 2.500563 G | 19.47 | -13.53 |

Date: 12.SEP.2019 14:39:59

Lowest channel

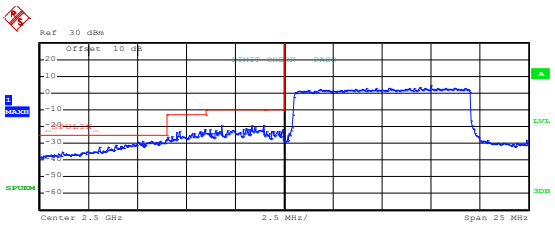



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.558 G | 2.570 G | 100.00 k | 2.560600 G | 19.82 | -13.18 |
| 2.570 G | 2.571 G | 30.00 k | 2.570266 G | -51.84 | -41.84 |
| 2.571 G | 2.575 G | 1.00 M | 2.573581 G | -36.78 | -26.78 |
| 2.575 G | 2.576 G | 1.00 M | 2.575565 G | -36.71 | -23.71 |
| 2.576 G | 2.583 G | 1.00 M | 2.578359 G | -26.23 | -1.23 |

Date: 12.SEP.2019 14:38:07

Highest channel

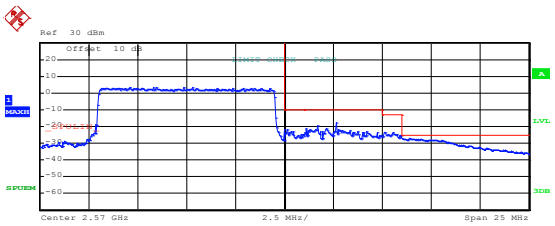
16QAM & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.487 G | 2.494 G | 1.00 M | 2.493633 G | -28.66 | -3.66 |
| 2.494 G | 2.496 G | 1.00 M | 2.495919 G | -21.76 | -8.76 |
| 2.496 G | 2.499 G | 1.00 M | 2.498952 G | -19.16 | -9.16 |
| 2.499 G | 2.500 G | 300.00 k | 2.499952 G | -21.67 | -11.67 |
| 2.500 G | 2.513 G | 100.00 k | 2.507487 G | 4.35 | -28.65 |

Date: 12.SEP.2019 14:39:21

Lowest channel



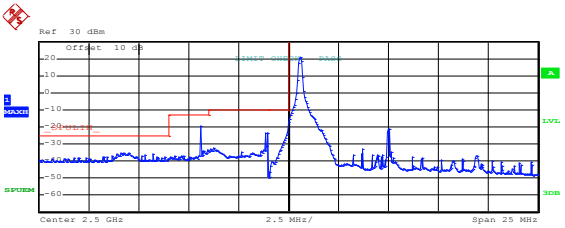

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.558 G | 2.570 G | 100.00 k | 2.563312 G | 3.50 | -29.50 |
| 2.570 G | 2.571 G | 300.00 k | 2.570137 G | -21.57 | -11.57 |
| 2.571 G | 2.575 G | 1.00 M | 2.572613 G | -17.61 | -7.61 |
| 2.575 G | 2.576 G | 1.00 M | 2.575548 G | -23.39 | -10.39 |
| 2.576 G | 2.583 G | 1.00 M | 2.576419 G | -27.22 | -2.22 |

Date: 12.SEP.2019 14:38:43

Highest channel

LTE Band 7, BW: 10MHz

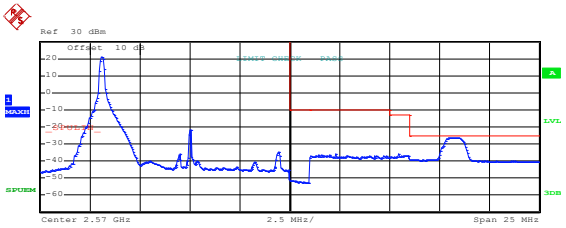
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.487 G | 2.494 G | 1.00 M | 2.491589 G | -35.13 | -10.13 |
| 2.494 G | 2.496 G | 1.00 M | 2.495581 G | -19.56 | -6.56 |
| 2.496 G | 2.499 G | 1.00 M | 2.499000 G | -23.49 | -13.49 |
| 2.499 G | 2.500 G | 30.00 k | 2.499992 G | -22.87 | -12.87 |
| 2.500 G | 2.513 G | 100.00 k | 2.500600 G | 20.77 | -12.23 |

Date: 12.SEP.2019 14:39:52

Lowest channel

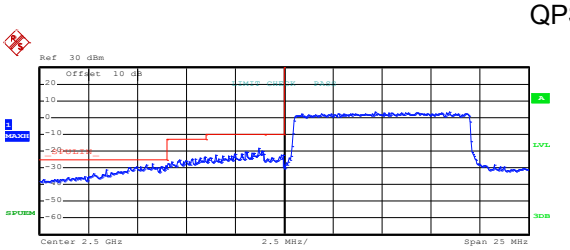



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.558 G | 2.570 G | 100.00 k | 2.560600 G | 21.17 | -11.83 |
| 2.570 G | 2.571 G | 30.00 k | 2.570081 G | -51.67 | -41.67 |
| 2.571 G | 2.575 G | 1.00 M | 2.572258 G | -35.61 | -25.61 |
| 2.575 G | 2.576 G | 1.00 M | 2.575435 G | -36.00 | -23.00 |
| 2.576 G | 2.583 G | 1.00 M | 2.578359 G | -26.18 | -1.18 |

Date: 12.SEP.2019 14:37:59

Highest channel

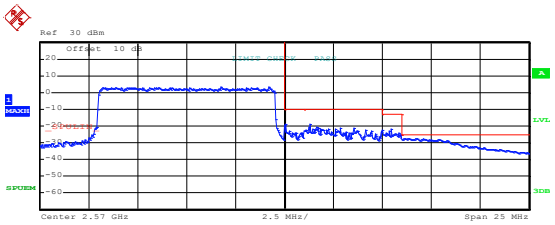
QPSK & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.487 G | 2.494 G | 1.00 M | 2.493266 G | -27.70 | -2.70 |
| 2.494 G | 2.496 G | 1.00 M | 2.495661 G | -24.36 | -11.36 |
| 2.496 G | 2.499 G | 1.00 M | 2.498685 G | -18.03 | -8.03 |
| 2.499 G | 2.500 G | 300.00 k | 2.499855 G | -22.17 | -12.17 |
| 2.500 G | 2.513 G | 100.00 k | 2.504662 G | 3.25 | -29.75 |

Date: 12.SEP.2019 14:39:14

Lowest channel

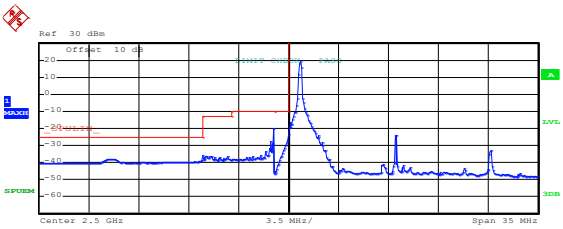



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.558 G | 2.570 G | 100.00 k | 2.569175 G | 3.24 | -29.76 |
| 2.570 G | 2.571 G | 300.00 k | 2.570048 G | -18.86 | -8.86 |
| 2.571 G | 2.575 G | 1.00 M | 2.571258 G | -18.64 | -8.64 |
| 2.575 G | 2.576 G | 1.00 M | 2.575427 G | -21.97 | -8.97 |
| 2.576 G | 2.583 G | 1.00 M | 2.576105 G | -27.35 | -2.35 |

Date: 12.SEP.2019 14:38:36

Highest channel

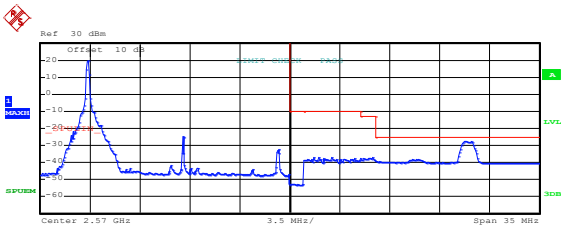
LTE Band 7, BW: 15MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.482 G | 2.494 G | 1.00 M | 2.487601 G | -38.20 | -13.20 |
| 2.494 G | 2.496 G | 1.00 M | 2.494000 G | -35.52 | -22.52 |
| 2.496 G | 2.499 G | 1.00 M | 2.499000 G | -19.72 | -9.72 |
| 2.499 G | 2.500 G | 30.00 k | 2.499984 G | -26.74 | -16.74 |
| 2.500 G | 2.518 G | 100.00 k | 2.500822 G | 19.02 | -13.98 |

Date: 12.SEP.2019 14:40:44

Lowest channel

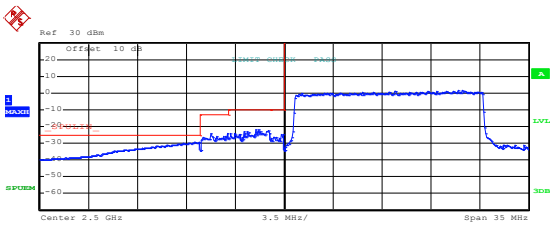



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.553 G | 2.570 G | 100.00 k | 2.555825 G | 20.00 | -13.00 |
| 2.570 G | 2.571 G | 30.00 k | 2.570194 G | -52.51 | -42.51 |
| 2.571 G | 2.575 G | 1.00 M | 2.572935 G | -36.95 | -26.95 |
| 2.575 G | 2.576 G | 1.00 M | 2.575831 G | -36.85 | -23.85 |
| 2.576 G | 2.587 G | 1.00 M | 2.582306 G | -27.79 | -2.79 |

Date: 12.SEP.2019 14:42:15

Highest channel

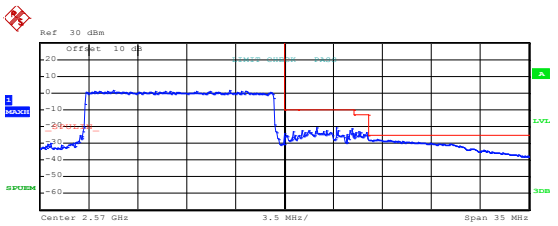
16QAM & RB Size 75




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.482 G | 2.494 G | 1.00 M | 2.493907 G | -29.18 | -4.18 |
| 2.494 G | 2.496 G | 1.00 M | 2.495984 G | -24.06 | -11.06 |
| 2.496 G | 2.499 G | 1.00 M | 2.497935 G | -22.04 | -12.04 |
| 2.499 G | 2.500 G | 300.00 k | 2.499968 G | -24.55 | -14.55 |
| 2.500 G | 2.518 G | 100.00 k | 2.512758 G | 1.42 | -31.58 |

Date: 12.SEP.2019 14:41:18

Lowest channel



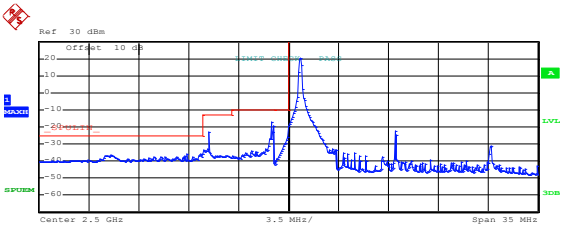

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.553 G | 2.570 G | 100.00 k | 2.557750 G | 1.69 | -31.31 |
| 2.570 G | 2.571 G | 300.00 k | 2.570629 G | -23.12 | -13.12 |
| 2.571 G | 2.575 G | 1.00 M | 2.572258 G | -20.49 | -10.49 |
| 2.575 G | 2.576 G | 1.00 M | 2.575282 G | -23.16 | -10.16 |
| 2.576 G | 2.587 G | 1.00 M | 2.576649 G | -27.54 | -2.54 |

Date: 12.SEP.2019 14:41:52

Highest channel

LTE Band 7, BW: 15MHz

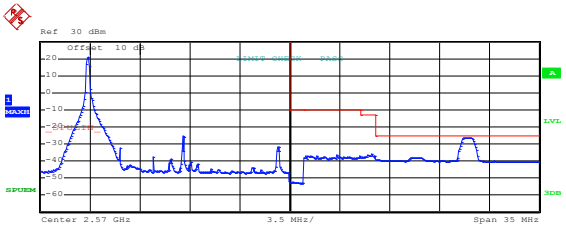
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.482 G | 2.494 G | 1.00 M | 2.493815 G | -35.68 | -10.68 |
| 2.494 G | 2.496 G | 1.00 M | 2.494371 G | -22.76 | -9.76 |
| 2.496 G | 2.499 G | 1.00 M | 2.498758 G | -16.95 | -6.95 |
| 2.499 G | 2.500 G | 30.00 k | 2.499992 G | -25.96 | -15.96 |
| 2.500 G | 2.518 G | 100.00 k | 2.500840 G | 20.64 | -12.36 |

Date: 12.SEP.2019 14:40:37

Lowest channel

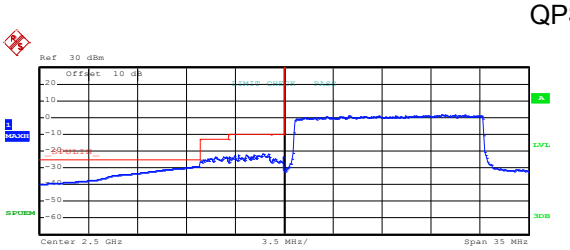



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.553 G | 2.570 G | 100.00 k | 2.555860 G | 21.13 | -11.87 |
| 2.570 G | 2.571 G | 30.00 k | 2.570194 G | -52.24 | -42.24 |
| 2.571 G | 2.575 G | 1.00 M | 2.573258 G | -36.65 | -26.65 |
| 2.575 G | 2.576 G | 1.00 M | 2.575702 G | -35.69 | -22.69 |
| 2.576 G | 2.587 G | 1.00 M | 2.582585 G | -26.34 | -1.34 |

Date: 12.SEP.2019 14:42:08

Highest channel

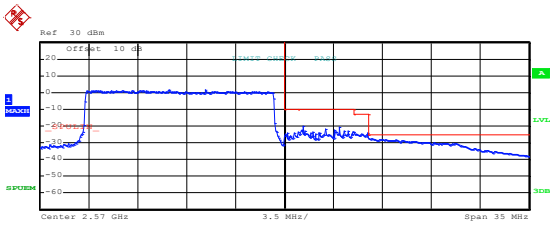
QPSK & RB Size 75




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.482 G | 2.494 G | 1.00 M | 2.493907 G | -29.18 | -4.18 |
| 2.494 G | 2.496 G | 1.00 M | 2.495677 G | -23.42 | -10.42 |
| 2.496 G | 2.499 G | 1.00 M | 2.498419 G | -21.75 | -11.75 |
| 2.499 G | 2.500 G | 300.00 k | 2.499960 G | -23.64 | -13.64 |
| 2.500 G | 2.518 G | 100.00 k | 2.512215 G | 1.76 | -31.24 |

Date: 12.SEP.2019 14:41:11

Lowest channel



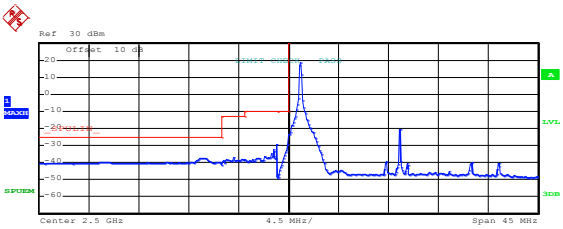

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.553 G | 2.570 G | 100.00 k | 2.561758 G | 1.79 | -31.21 |
| 2.570 G | 2.571 G | 300.00 k | 2.570185 G | -24.23 | -14.23 |
| 2.571 G | 2.575 G | 1.00 M | 2.571290 G | -20.16 | -10.16 |
| 2.575 G | 2.576 G | 1.00 M | 2.575944 G | -24.14 | -11.14 |
| 2.576 G | 2.587 G | 1.00 M | 2.576093 G | -27.44 | -2.44 |

Date: 12.SEP.2019 14:41:45

Highest channel

LTE Band 7, BW: 20MHz

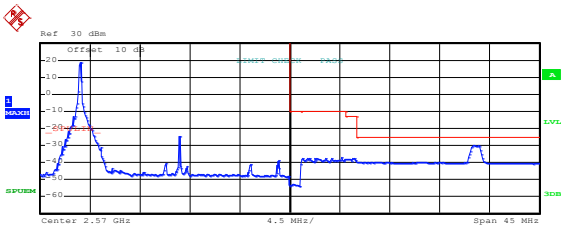
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 2.478 G | 2.494 G | 1.00 M | 2.492004 G | -37.38 | -12.38 |
| 2.494 G | 2.496 G | 1.00 M | 2.495048 G | -36.97 | -23.97 |
| 2.496 G | 2.499 G | 1.00 M | 2.498855 G | -29.38 | -19.38 |
| 2.499 G | 2.500 G | 30.00 k | 2.499976 G | -30.54 | -20.54 |
| 2.500 G | 2.523 G | 100.00 k | 2.501057 G | 18.86 | -14.14 |

Date: 12.SEP.2019 14:44:20

Lowest channel

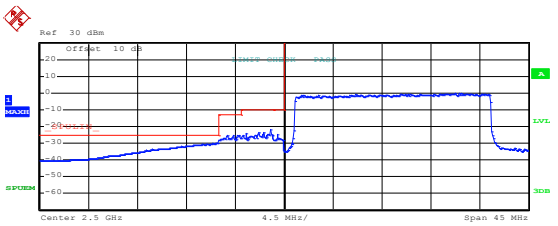



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 2.547 G | 2.570 G | 100.00 k | 2.551145 G | 18.78 | -14.22 |
| 2.570 G | 2.571 G | 30.00 k | 2.570355 G | -52.66 | -42.66 |
| 2.571 G | 2.575 G | 1.00 M | 2.574677 G | -37.03 | -27.03 |
| 2.575 G | 2.576 G | 1.00 M | 2.575798 G | -37.51 | -24.51 |
| 2.576 G | 2.592 G | 1.00 M | 2.586645 G | -29.78 | -4.78 |

Date: 12.SEP.2019 14:42:58

Highest channel

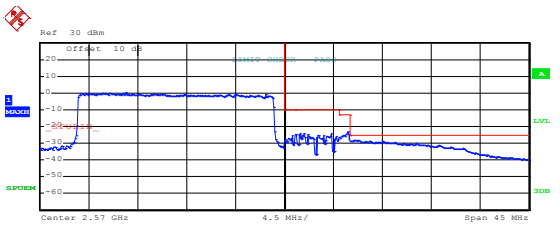
16QAM & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 2.478 G | 2.494 G | 1.00 M | 2.493867 G | -30.00 | -5.00 |
| 2.494 G | 2.496 G | 1.00 M | 2.494726 G | -25.08 | -12.08 |
| 2.496 G | 2.499 G | 1.00 M | 2.498685 G | -21.53 | -11.53 |
| 2.499 G | 2.500 G | 300.00 k | 2.499387 G | -24.56 | -14.56 |
| 2.500 G | 2.523 G | 100.00 k | 2.516065 G | 0.09 | -32.91 |

Date: 12.SEP.2019 14:43:58

Lowest channel



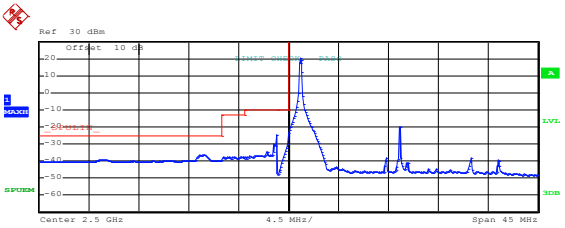

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 2.547 G | 2.570 G | 100.00 k | 2.555420 G | 0.32 | -32.68 |
| 2.570 G | 2.571 G | 300.00 k | 2.570702 G | -25.12 | -15.12 |
| 2.571 G | 2.575 G | 1.00 M | 2.571774 G | -23.98 | -13.98 |
| 2.575 G | 2.576 G | 1.00 M | 2.575879 G | -22.95 | -9.95 |
| 2.576 G | 2.592 G | 1.00 M | 2.576798 G | -28.06 | -3.06 |

Date: 12.SEP.2019 14:43:27

Highest channel

LTE Band 7, BW: 20MHz

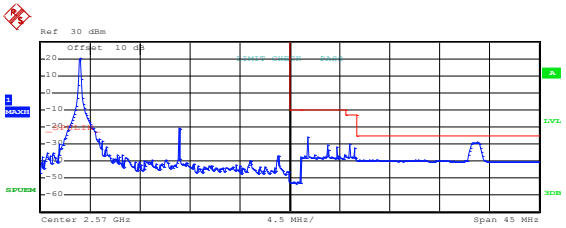
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.478 G | 2.494 G | 1.00 M | 2.492403 G | -36.45 | -11.45 |
| 2.494 G | 2.496 G | 1.00 M | 2.494984 G | -37.26 | -24.26 |
| 2.496 G | 2.499 G | 1.00 M | 2.498976 G | -24.74 | -14.74 |
| 2.499 G | 2.500 G | 30.00 k | 2.499992 G | -30.05 | -20.05 |
| 2.500 G | 2.523 G | 100.00 k | 2.501103 G | 20.49 | -12.51 |

Date: 12.SEP.2019 14:44:13

Lowest channel

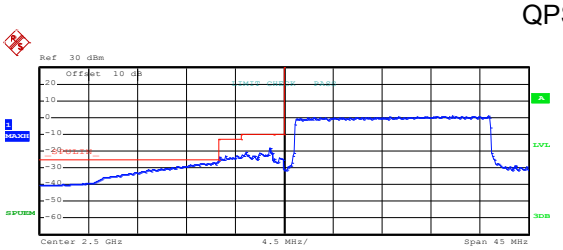



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.547 G | 2.570 G | 100.00 k | 2.551100 G | 20.62 | -12.38 |
| 2.570 G | 2.571 G | 30.00 k | 2.570411 G | -52.06 | -42.06 |
| 2.571 G | 2.575 G | 1.00 M | 2.571581 G | -26.13 | -16.13 |
| 2.575 G | 2.576 G | 1.00 M | 2.575387 G | -30.09 | -17.09 |
| 2.576 G | 2.592 G | 1.00 M | 2.586911 G | -29.03 | -4.03 |

Date: 12.SEP.2019 14:42:48

Highest channel

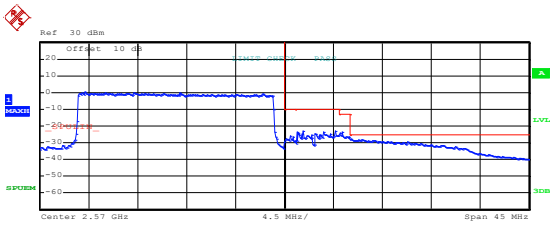
QPSK & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.478 G | 2.494 G | 1.00 M | 2.493601 G | -26.90 | -1.90 |
| 2.494 G | 2.496 G | 1.00 M | 2.495629 G | -22.75 | -9.75 |
| 2.496 G | 2.499 G | 1.00 M | 2.498710 G | -18.03 | -8.03 |
| 2.499 G | 2.500 G | 300.00 k | 2.499581 G | -23.99 | -13.99 |
| 2.500 G | 2.523 G | 100.00 k | 2.515435 G | 0.82 | -32.18 |

Date: 12.SEP.2019 14:43:51

Lowest channel



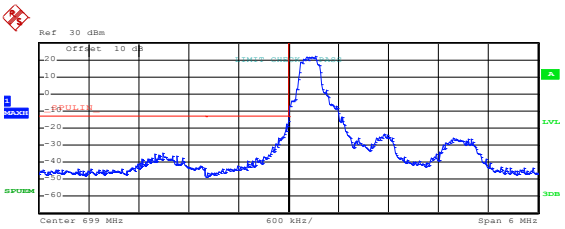

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 2.547 G | 2.570 G | 100.00 k | 2.551640 G | 0.20 | -32.80 |
| 2.570 G | 2.571 G | 300.00 k | 2.570548 G | -25.78 | -15.78 |
| 2.571 G | 2.575 G | 1.00 M | 2.574613 G | -22.64 | -12.64 |
| 2.575 G | 2.576 G | 1.00 M | 2.575298 G | -23.23 | -10.23 |
| 2.576 G | 2.592 G | 1.00 M | 2.576133 G | -27.57 | -2.57 |

Date: 12.SEP.2019 14:43:20

Highest channel

**LTE band 12 part:**

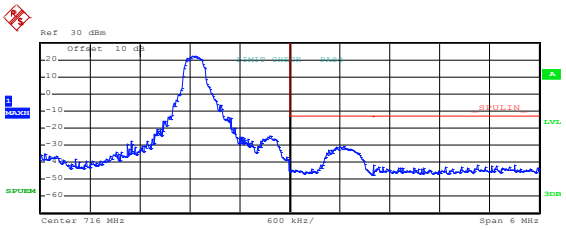
LTE Band 12, BW: 1.4MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 696.000 M | 698.000 M | 100.00 k | 697.484000 M | -34.85 | -21.85 |
| 698.000 M | 699.000 M | 30.00 k | 698.981000 M | -17.68 | -4.68 |
| 699.000 M | 702.000 M | 100.00 k | 699.324000 M | 22.14 | -10.86 |

Date: 12.SEP.2019 14:45:53

Lowest channel

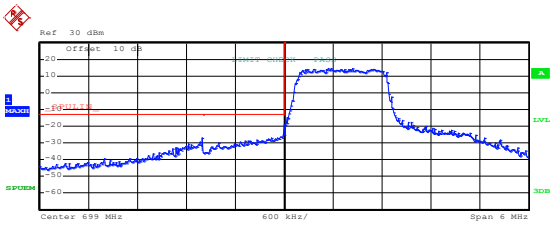



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 713.000 M | 716.000 M | 100.00 k | 714.833000 M | 22.20 | -10.80 |
| 716.000 M | 717.000 M | 30.00 k | 716.647000 M | -30.30 | -17.30 |
| 717.000 M | 719.000 M | 100.00 k | 718.704000 M | -41.57 | -28.57 |

Date: 12.SEP.2019 14:46:52

Highest channel

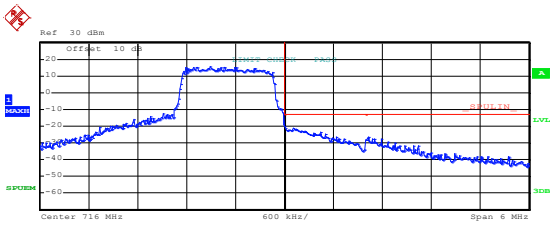
16QAM & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 696.000 M | 698.000 M | 100.00 k | 697.992000 M | -26.80 | -13.80 |
| 698.000 M | 699.000 M | 30.00 k | 698.986000 M | -25.29 | -12.29 |
| 699.000 M | 702.000 M | 100.00 k | 699.576000 M | 14.68 | -18.32 |

Date: 12.SEP.2019 14:46:10

Lowest channel



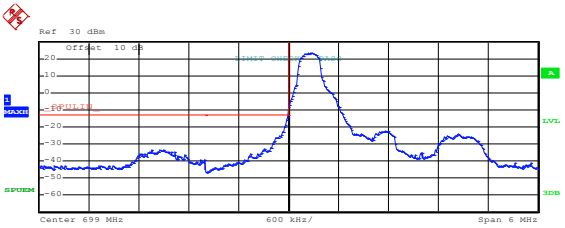

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 713.000 M | 716.000 M | 100.00 k | 715.088000 M | 15.39 | -17.61 |
| 716.000 M | 717.000 M | 30.00 k | 716.001000 M | -20.26 | -7.26 |
| 717.000 M | 719.000 M | 100.00 k | 717.036000 M | -26.18 | -13.18 |

Date: 12.SEP.2019 14:46:37

Highest channel

LTE Band 12, BW: 1.4MHz

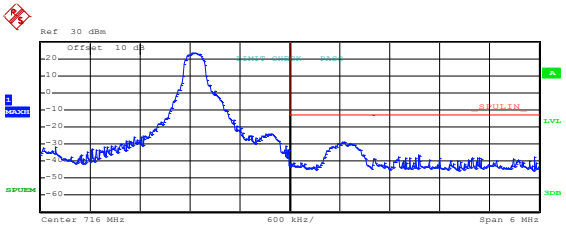
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 696.000 M | 698.000 M | 100.00 k | 697.500000 M | -33.20 | -20.20 |
| 698.000 M | 699.000 M | 30.00 k | 698.992000 M | -14.02 | -1.02 |
| 699.000 M | 702.000 M | 100.00 k | 699.279000 M | 23.24 | -9.76 |

Date: 12.SEP.2019 14:45:38

Lowest channel

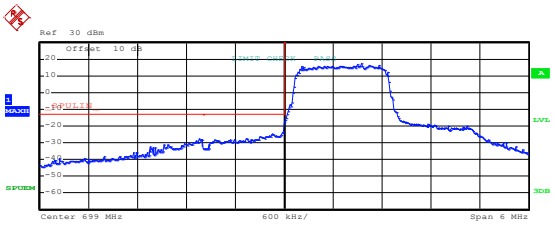



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 713.000 M | 716.000 M | 100.00 k | 714.848000 M | 23.24 | -9.76 |
| 716.000 M | 717.000 M | 30.00 k | 716.656000 M | -29.03 | -16.03 |
| 717.000 M | 719.000 M | 100.00 k | 717.544000 M | -36.32 | -23.32 |

Date: 12.SEP.2019 14:46:45

Highest channel

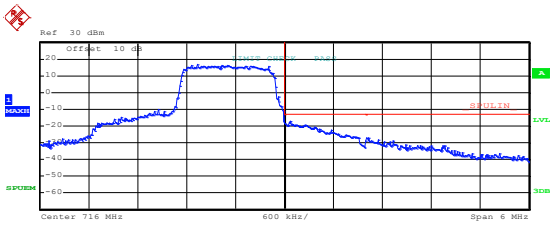
QPSK & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 696.000 M | 698.000 M | 100.00 k | 697.960000 M | -27.69 | -14.69 |
| 698.000 M | 699.000 M | 30.00 k | 698.999000 M | -23.62 | -10.62 |
| 699.000 M | 702.000 M | 100.00 k | 699.951000 M | 17.27 | -15.73 |

Date: 12.SEP.2019 14:46:03

Lowest channel

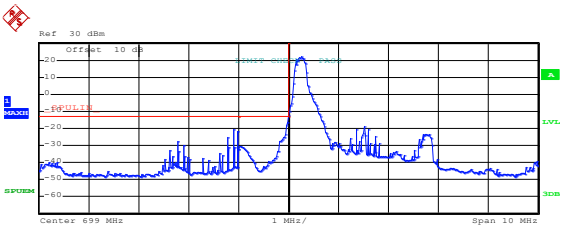



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 713.000 M | 716.000 M | 100.00 k | 714.935000 M | 16.61 | -16.39 |
| 716.000 M | 717.000 M | 30.00 k | 716.072000 M | -17.17 | -4.17 |
| 717.000 M | 719.000 M | 100.00 k | 717.028000 M | -26.89 | -13.89 |

Date: 12.SEP.2019 14:46:31

Highest channel

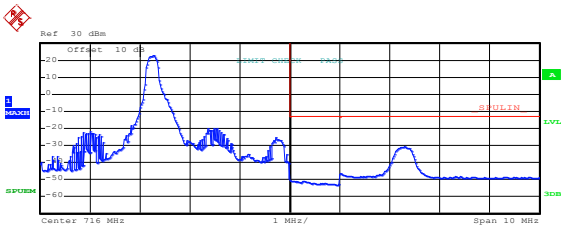
LTE Band 12, BW: 3MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 698.000 M | 100.00 k | 697.892000 M | -20.84 | -7.84 |
| 698.000 M | 699.000 M | 30.00 k | 698.997000 M | -16.61 | -3.61 |
| 699.000 M | 704.000 M | 100.00 k | 699.260000 M | 22.07 | -10.93 |

Date: 12.SEP.2019 14:49:23

Lowest channel

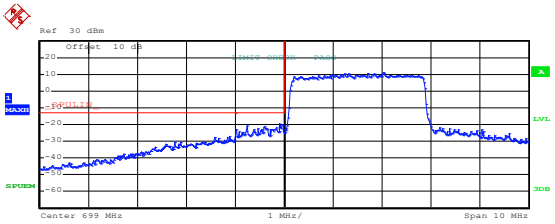



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 711.000 M | 716.000 M | 100.00 k | 713.270000 M | 22.64 | -10.36 |
| 716.000 M | 717.000 M | 30.00 k | 716.024194 M | -50.76 | -37.76 |
| 717.000 M | 721.000 M | 100.00 k | 718.290323 M | -30.61 | -17.61 |

Date: 12.SEP.2019 14:48:03

Highest channel

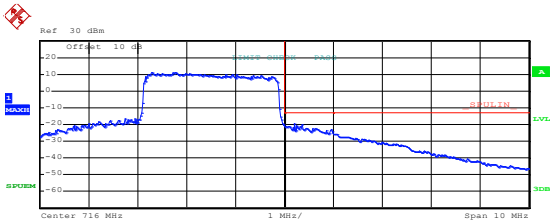
16QAM & RB Size 15




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 698.000 M | 100.00 k | 697.876000 M | -27.31 | -14.31 |
| 698.000 M | 699.000 M | 100.00 k | 698.901000 M | -19.51 | -6.51 |
| 699.000 M | 704.000 M | 100.00 k | 701.030000 M | 11.08 | -21.92 |

Date: 12.SEP.2019 14:49:01

Lowest channel



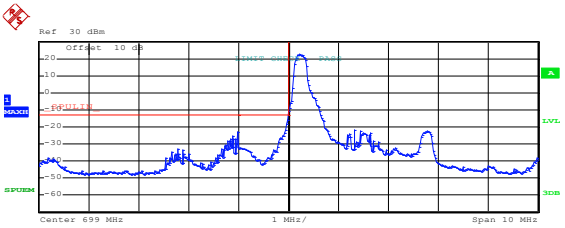

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 711.000 M | 716.000 M | 100.00 k | 713.770000 M | 10.94 | -22.06 |
| 716.000 M | 717.000 M | 100.00 k | 716.193548 M | -19.62 | -6.62 |
| 717.000 M | 721.000 M | 100.00 k | 717.096774 M | -25.73 | -12.73 |

Date: 12.SEP.2019 14:48:24

Highest channel

LTE Band 12, BW: 3MHz

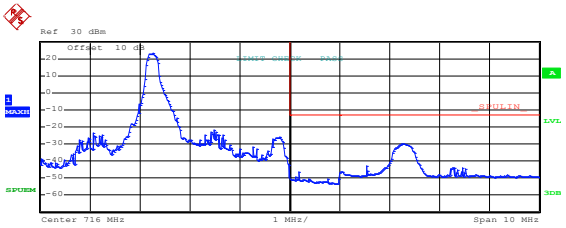
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 698.000 M | 100.00 k | 698.000000 M | -23.07 | -10.07 |
| 698.000 M | 699.000 M | 30.00 k | 698.989000 M | -15.96 | -2.96 |
| 699.000 M | 704.000 M | 100.00 k | 699.215000 M | 22.41 | -10.59 |

Date: 12.SEP.2019 14:49:15

Lowest channel

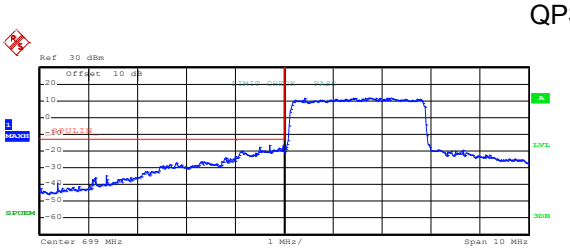



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 711.000 M | 716.000 M | 100.00 k | 713.265000 M | 23.06 | -9.94 |
| 716.000 M | 717.000 M | 30.00 k | 716.169355 M | -46.60 | -33.60 |
| 717.000 M | 721.000 M | 100.00 k | 718.258065 M | -29.90 | -16.90 |

Date: 12.SEP.2019 14:47:46

Highest channel

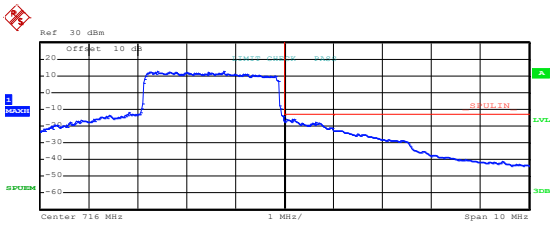
QPSK & RB Size 15




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 698.000 M | 100.00 k | 697.788000 M | -24.12 | -11.12 |
| 698.000 M | 699.000 M | 100.00 k | 698.707000 M | -16.20 | -3.20 |
| 699.000 M | 704.000 M | 100.00 k | 700.730000 M | 11.76 | -21.24 |

Date: 12.SEP.2019 14:48:55

Lowest channel

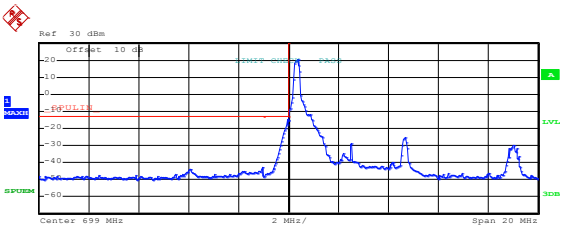



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 711.000 M | 716.000 M | 100.00 k | 713.405000 M | 12.80 | -20.20 |
| 716.000 M | 717.000 M | 100.00 k | 716.185484 M | -15.89 | -2.89 |
| 717.000 M | 721.000 M | 100.00 k | 717.032258 M | -22.89 | -9.89 |

Date: 12.SEP.2019 14:48:17

Highest channel

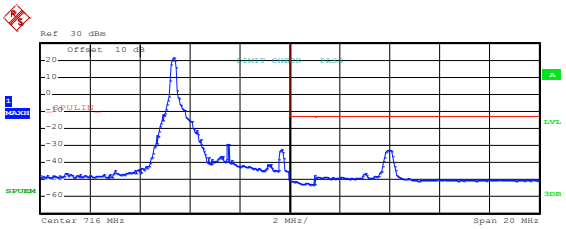
LTE Band 12, BW: 5MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 689.000 M | 698.000 M | 100.00 k | 697.973000 M | -42.68 | -29.68 |
| 698.000 M | 699.000 M | 30.00 k | 698.998000 M | -14.67 | -1.67 |
| 699.000 M | 709.000 M | 100.00 k | 699.370000 M | 20.40 | -12.60 |

Date: 12.SEP.2019 14:50:33

Lowest channel

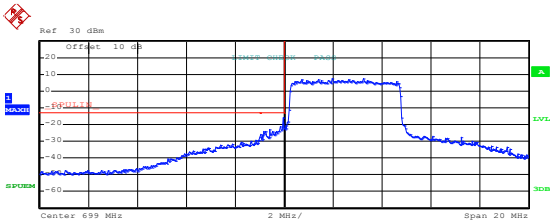



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 711.370000 M | 21.47 | -11.53 |
| 716.000 M | 717.000 M | 30.00 k | 716.072581 M | -50.98 | -37.98 |
| 717.000 M | 726.000 M | 100.00 k | 719.975806 M | -32.78 | -19.78 |

Date: 12.SEP.2019 14:51:40

Highest channel

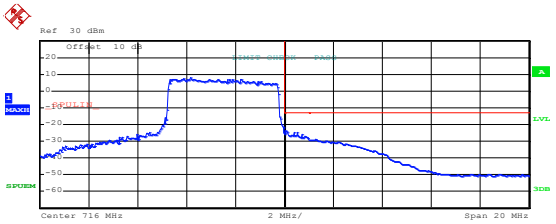
16QAM & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 689.000 M | 698.000 M | 100.00 k | 697.973000 M | -29.54 | -16.54 |
| 698.000 M | 699.000 M | 100.00 k | 698.965000 M | -15.80 | -2.80 |
| 699.000 M | 709.000 M | 100.00 k | 702.230000 M | 7.77 | -25.23 |

Date: 12.SEP.2019 14:50:54

Lowest channel

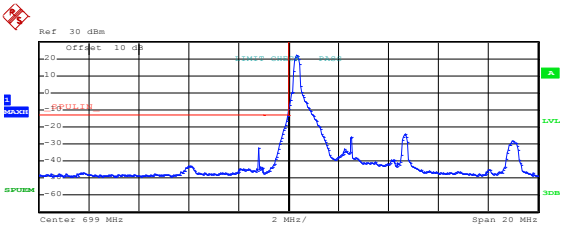



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 712.150000 M | 7.79 | -25.21 |
| 716.000 M | 717.000 M | 100.00 k | 716.024194 M | -23.50 | -10.50 |
| 717.000 M | 726.000 M | 100.00 k | 717.290323 M | -28.99 | -15.99 |

Date: 12.SEP.2019 14:51:15

Highest channel

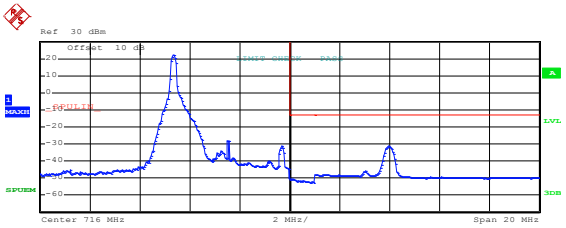
LTE Band 12, BW: 5MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 689.000 M | 698.000 M | 100.00 k | 697.793000 M | -32.45 | -19.45 |
| 698.000 M | 699.000 M | 30.00 k | 698.988000 M | -13.60 | -0.60 |
| 699.000 M | 709.000 M | 100.00 k | 699.330000 M | 22.09 | -10.91 |

Date: 12.SEP.2019 14:50:25

Lowest channel

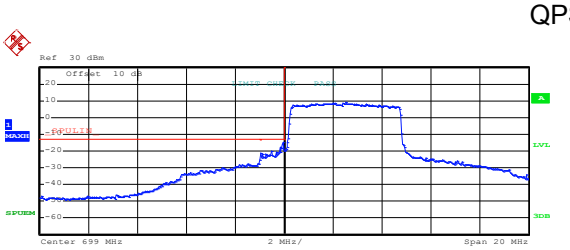



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 711.330000 M | 22.19 | -10.81 |
| 716.000 M | 717.000 M | 30.00 k | 716.096774 M | -50.25 | -37.25 |
| 717.000 M | 726.000 M | 100.00 k | 719.975806 M | -31.25 | -18.25 |

Date: 12.SEP.2019 14:51:33

Highest channel

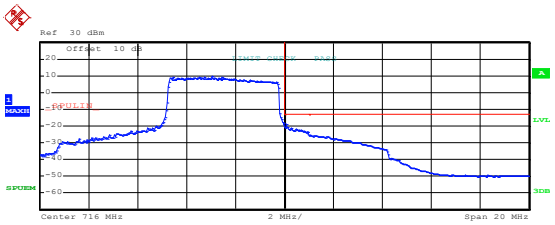
QPSK & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 689.000 M | 698.000 M | 100.00 k | 697.928000 M | -27.37 | -14.37 |
| 698.000 M | 699.000 M | 100.00 k | 698.947000 M | -14.69 | -1.69 |
| 699.000 M | 709.000 M | 100.00 k | 701.510000 M | 9.32 | -23.68 |

Date: 12.SEP.2019 14:50:49

Lowest channel

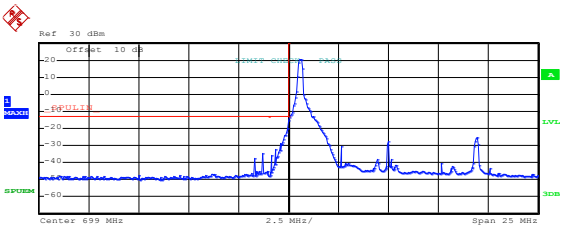



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 713.020000 M | 9.97 | -23.03 |
| 716.000 M | 717.000 M | 100.00 k | 716.080645 M | -18.69 | -5.69 |
| 717.000 M | 726.000 M | 100.00 k | 717.072581 M | -25.40 | -12.40 |

Date: 12.SEP.2019 14:51:10

Highest channel

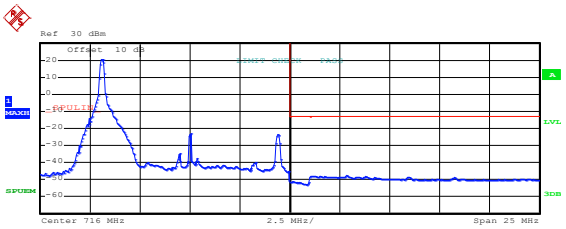
LTE Band 12, BW: 10MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 686.500 M | 698.000 M | 100.00 k | 697.712500 M | -34.66 | -21.66 |
| 698.000 M | 699.000 M | 30.00 k | 698.988000 M | -19.75 | -6.75 |
| 699.000 M | 711.500 M | 100.00 k | 699.625000 M | 20.55 | -12.45 |

Date: 12.SEP.2019 14:53:58

Lowest channel

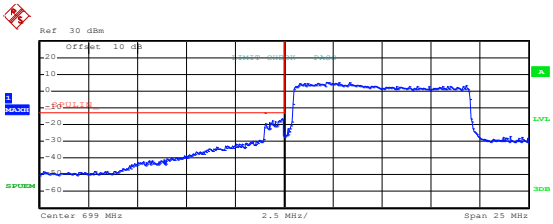



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 703.500 M | 716.000 M | 100.00 k | 706.625000 M | 20.46 | -12.54 |
| 716.000 M | 717.000 M | 30.00 k | 716.137097 M | -50.98 | -37.98 |
| 717.000 M | 728.500 M | 100.00 k | 718.854839 M | -47.64 | -34.64 |

Date: 12.SEP.2019 14:52:29

Highest channel

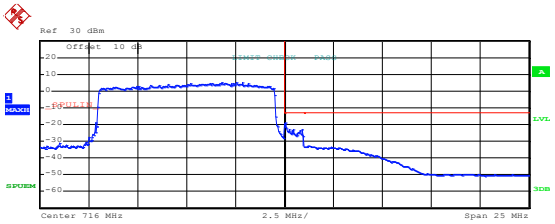
16QAM & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 686.500 M | 698.000 M | 100.00 k | 698.000000 M | -28.84 | -15.84 |
| 698.000 M | 699.000 M | 300.00 k | 698.909000 M | -16.68 | -3.68 |
| 699.000 M | 711.500 M | 100.00 k | 701.200000 M | 5.26 | -27.74 |

Date: 12.SEP.2019 14:53:34

Lowest channel

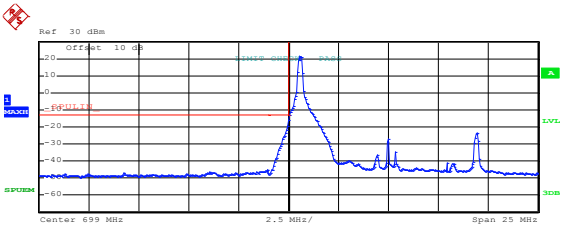



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 703.500 M | 716.000 M | 100.00 k | 713.525000 M | 5.24 | -27.76 |
| 716.000 M | 717.000 M | 300.00 k | 716.024194 M | -18.62 | -5.62 |
| 717.000 M | 728.500 M | 100.00 k | 717.185484 M | -33.12 | -20.12 |

Date: 12.SEP.2019 14:52:49

Highest channel

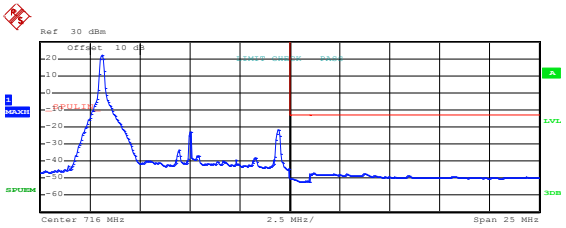
LTE Band 12, BW: 10MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 686.500 M | 698.000 M | 100.00 k | 697.954000 M | -45.05 | -32.05 |
| 698.000 M | 699.000 M | 30.00 k | 698.991000 M | -19.40 | -6.40 |
| 699.000 M | 711.500 M | 100.00 k | 699.562500 M | 21.48 | -11.52 |

Date: 12.SEP.2019 14:53:50

Lowest channel

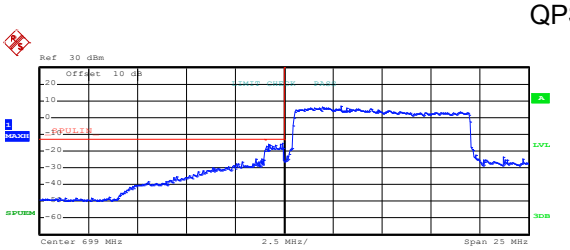



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 703.500 M | 716.000 M | 100.00 k | 706.575000 M | 22.00 | -11.00 |
| 716.000 M | 717.000 M | 30.00 k | 716.040323 M | -50.50 | -37.50 |
| 717.000 M | 728.500 M | 100.00 k | 717.185484 M | -46.88 | -33.88 |

Date: 12.SEP.2019 14:52:22

Highest channel

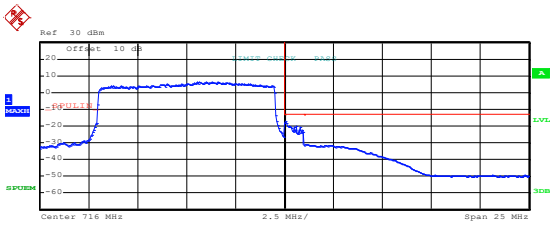
QPSK & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 686.500 M | 698.000 M | 100.00 k | 697.551500 M | -24.52 | -11.52 |
| 698.000 M | 699.000 M | 300.00 k | 698.888000 M | -15.26 | -2.26 |
| 699.000 M | 711.500 M | 100.00 k | 701.912500 M | 6.62 | -26.38 |

Date: 12.SEP.2019 14:53:19

Lowest channel



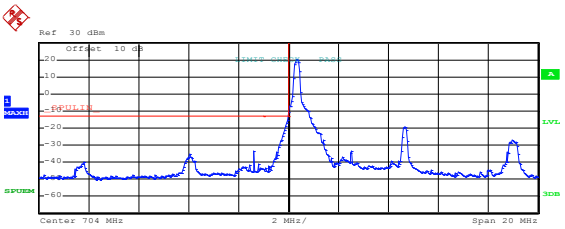

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 703.500 M | 716.000 M | 100.00 k | 712.275000 M | 6.39 | -26.61 |
| 716.000 M | 717.000 M | 300.00 k | 716.024194 M | -17.27 | -4.27 |
| 717.000 M | 728.500 M | 100.00 k | 717.185484 M | -31.14 | -18.14 |

Date: 12.SEP.2019 14:52:43

Highest channel

**LTE Band 17 part:**

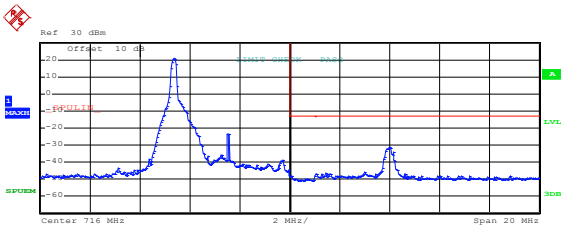
LTE Band 17, BW: 5MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 703.000 M | 100.00 k | 702.595000 M | -33.30 | -20.30 |
| 703.000 M | 704.000 M | 30.00 k | 703.972000 M | -15.24 | -2.24 |
| 704.000 M | 714.000 M | 100.00 k | 704.320000 M | 20.10 | -12.90 |

Date: 12.SEP.2019 14:59:21

Lowest channel

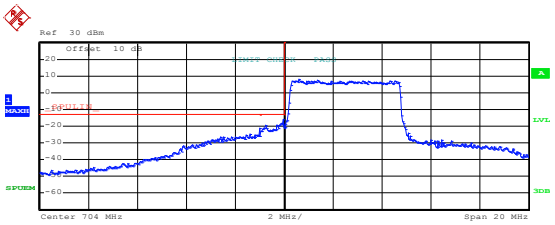



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 711.340000 M | 20.68 | -12.32 |
| 716.000 M | 717.000 M | 30.00 k | 716.132000 M | -47.89 | -34.89 |
| 717.000 M | 726.000 M | 100.00 k | 719.988000 M | -31.26 | -18.26 |

Date: 12.SEP.2019 15:01:33

Highest channel

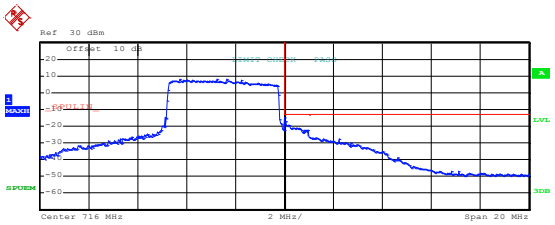
16QAM & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 703.000 M | 100.00 k | 702.586000 M | -24.40 | -11.40 |
| 703.000 M | 704.000 M | 100.00 k | 703.946000 M | -15.83 | -2.83 |
| 704.000 M | 714.000 M | 100.00 k | 704.600000 M | 7.90 | -25.10 |

Date: 12.SEP.2019 15:00:28

Lowest channel



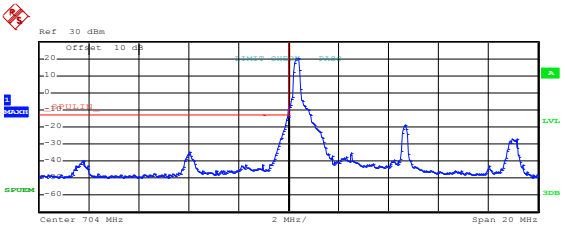

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 711.730000 M | 8.03 | -24.97 |
| 716.000 M | 717.000 M | 100.00 k | 716.055000 M | -17.24 | -4.24 |
| 717.000 M | 726.000 M | 100.00 k | 717.000000 M | -26.30 | -13.30 |

Date: 12.SEP.2019 15:01:09

Highest channel

LTE Band 17, BW: 5MHz

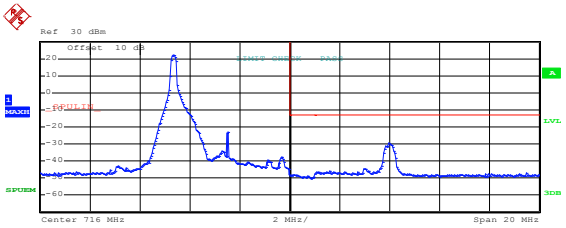
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 703.000 M | 100.00 k | 700.039000 M | -34.76 | -21.76 |
| 703.000 M | 704.000 M | 30.00 k | 703.989000 M | -14.35 | -1.35 |
| 704.000 M | 714.000 M | 100.00 k | 704.330000 M | 20.58 | -12.42 |

Date: 12.SEP.2019 14:59:14

Lowest channel

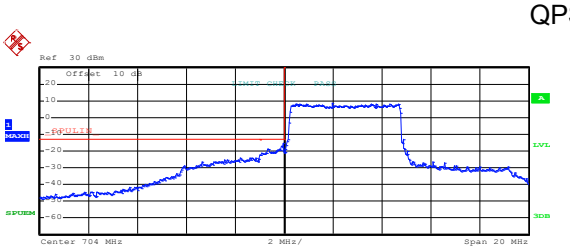



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 711.320000 M | 22.20 | -10.80 |
| 716.000 M | 717.000 M | 30.00 k | 716.049000 M | -47.61 | -34.61 |
| 717.000 M | 726.000 M | 100.00 k | 719.970000 M | -29.39 | -16.39 |

Date: 12.SEP.2019 15:01:25

Highest channel

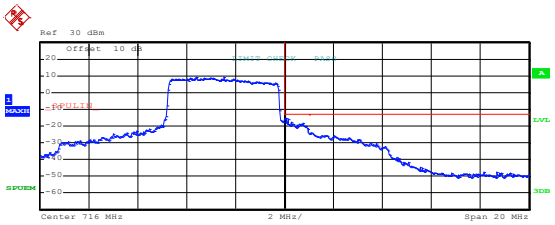
QPSK & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 703.000 M | 100.00 k | 702.172000 M | -23.95 | -10.95 |
| 703.000 M | 704.000 M | 100.00 k | 703.984000 M | -15.42 | -2.42 |
| 704.000 M | 714.000 M | 100.00 k | 705.970000 M | 8.60 | -24.40 |

Date: 12.SEP.2019 15:00:16

Lowest channel

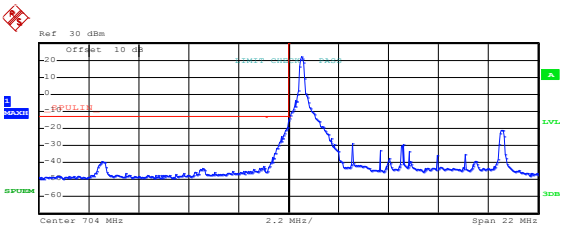



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 712.410000 M | 9.11 | -23.89 |
| 716.000 M | 717.000 M | 100.00 k | 716.090000 M | -15.13 | -2.13 |
| 717.000 M | 726.000 M | 100.00 k | 717.072000 M | -23.77 | -10.77 |

Date: 12.SEP.2019 15:01:03

Highest channel

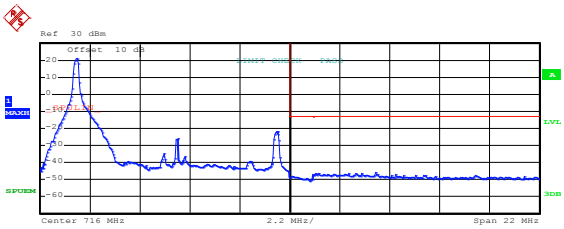
LTE Band 17, BW: 10MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 693.000 M | 703.000 M | 100.00 k | 695.770000 M | -39.31 | -26.31 |
| 703.000 M | 704.000 M | 30.00 k | 703.992000 M | -19.24 | -6.24 |
| 704.000 M | 715.000 M | 100.00 k | 704.572000 M | 21.84 | -11.16 |

Date: 12.SEP.2019 15:05:16

Lowest channel

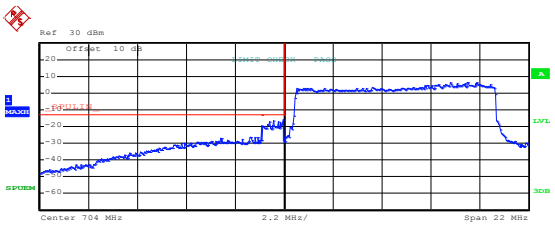



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 705.000 M | 716.000 M | 100.00 k | 706.573000 M | 21.14 | -11.86 |
| 716.000 M | 717.000 M | 30.00 k | 716.078000 M | -47.94 | -34.94 |
| 717.000 M | 727.000 M | 100.00 k | 719.770000 M | -45.90 | -32.90 |

Date: 12.SEP.2019 15:02:33

Highest channel

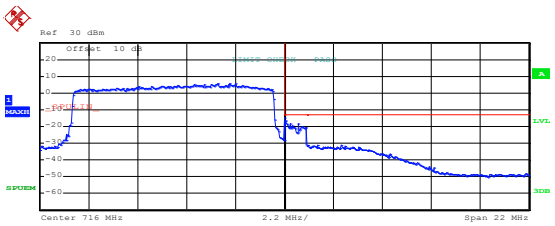
16QAM & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 693.000 M | 703.000 M | 100.00 k | 702.510000 M | -26.29 | -13.29 |
| 703.000 M | 704.000 M | 300.00 k | 703.935000 M | -16.20 | -3.20 |
| 704.000 M | 715.000 M | 100.00 k | 711.469000 M | 6.23 | -26.77 |

Date: 12.SEP.2019 15:04:54

Lowest channel

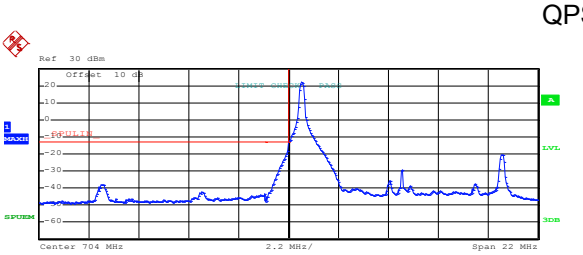



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 705.000 M | 716.000 M | 100.00 k | 712.986000 M | 6.01 | -26.99 |
| 716.000 M | 717.000 M | 300.00 k | 716.018000 M | -14.47 | -1.47 |
| 717.000 M | 727.000 M | 100.00 k | 718.530000 M | -31.09 | -18.09 |

Date: 12.SEP.2019 15:03:16

Highest channel

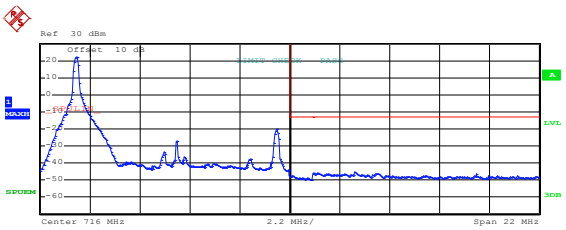
LTE Band 17, BW: 10MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 693.000 M | 703.000 M | 100.00 k | 695.800000 M | -38.03 | -25.03 |
| 703.000 M | 704.000 M | 30.00 k | 703.981000 M | -18.34 | -5.34 |
| 704.000 M | 715.000 M | 100.00 k | 704.572000 M | 22.28 | -10.72 |

Date: 12.SEP.2019 15:05:09

Lowest channel

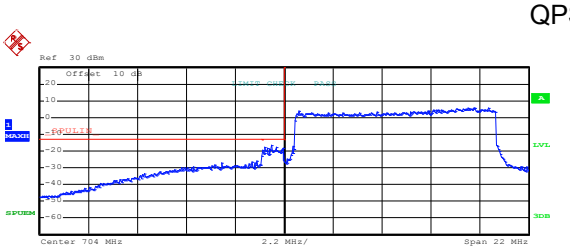



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 705.000 M | 716.000 M | 100.00 k | 706.606000 M | 22.27 | -10.73 |
| 716.000 M | 717.000 M | 30.00 k | 716.082000 M | -47.04 | -34.04 |
| 717.000 M | 727.000 M | 100.00 k | 718.870000 M | -45.35 | -32.35 |

Date: 12.SEP.2019 15:02:18

Highest channel

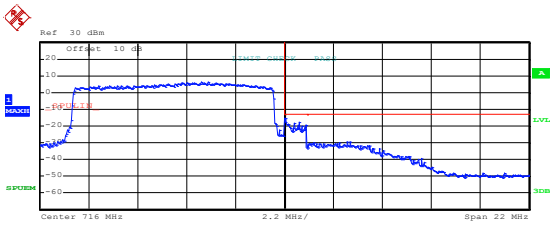
QPSK & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 693.000 M | 703.000 M | 100.00 k | 702.770000 M | -25.61 | -12.61 |
| 703.000 M | 704.000 M | 300.00 k | 703.415000 M | -16.43 | -3.43 |
| 704.000 M | 715.000 M | 100.00 k | 712.272000 M | 6.00 | -27.00 |

Date: 12.SEP.2019 15:04:25

Lowest channel

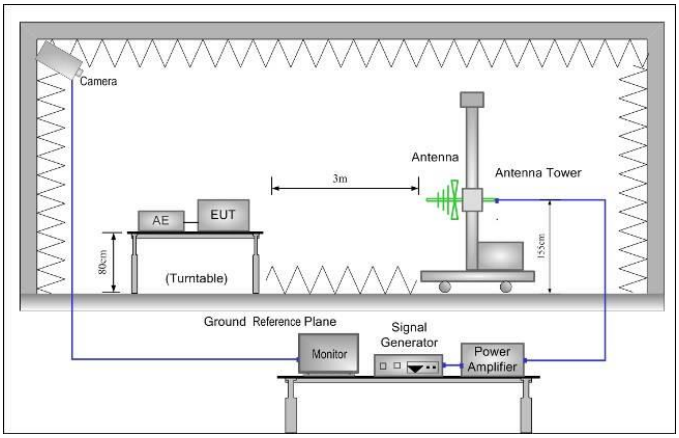
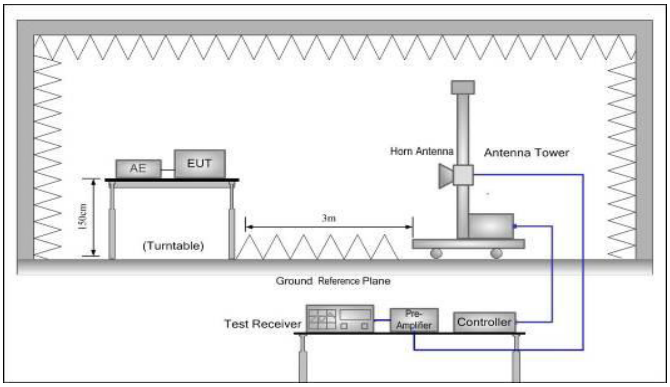



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 705.000 M | 716.000 M | 100.00 k | 712.568000 M | 6.41 | -26.59 |
| 716.000 M | 717.000 M | 300.00 k | 716.024000 M | -15.12 | -2.12 |
| 717.000 M | 727.000 M | 100.00 k | 718.790000 M | -29.21 | -16.21 |

Date: 12.SEP.2019 15:03:09

Highest channel

## 6.5 Field strength of spurious radiation measurement

| | |
|---|---|
| Test Requirement: | Part 22.917(b), Part 24.238 (a), Part 27.53(g), Part 27.53(m), Part 27.53(h) |
| Test Method: | ANSI/TIA-603-D 2010 |
| Limit: | LTE Band 2 & 4 & 5 & 12 & 17:<br>The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$(P) dB (-13 dBm).<br>LTE Band 7:<br>For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz 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 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. |
| Test setup: | Below 1GHz<br>  <br><br>Above 1GHz<br>  <br> |
| Test Procedure: | 1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer.<br>2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.<br>3. The frequency range up to tenth harmonic was investigated for each |

| | |
|---|---|
| | of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.<br>4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.<br>ERP / EIRP = S.G. output (dBm) + Antenna Gain(dB/dBi) – Cable Loss (dB) |
| Test Instruments: | Refer to section 5.9 for details |
| Test mode: | Refer to section 5.3 for details. |
| Test results: | Passed |

**Measurement Data:**

**LTE Band 2 part:**

| LTE Band 2, WB: 1.4MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 3701.40 | Vertical | -32.41 | -13.00 | Pass |
| 5552.10 | V | -34.97 | | |
| 7402.00 | V | -39.36 | | |
| 3701.40 | Horizontal | -36.51 | | |
| 5552.10 | H | -41.30 | | |
| 7402.00 | H | -38.38 | | |
| **Middle Channel** | | | | |
| 3760.00 | Vertical | -32.85 | -13.00 | Pass |
| 5640.00 | V | -34.19 | | |
| 7520.00 | V | -39.26 | | |
| 3760.00 | Horizontal | -36.17 | | |
| 5640.00 | H | -41.58 | | |
| 7520.00 | H | -38.29 | | |
| **Highest Channel** | | | | |
| 3816.60 | Vertical | -32.97 | -13.00 | Pass |
| 5724.90 | V | -34.16 | | |
| 7633.20 | V | -39.85 | | |
| 3816.60 | Horizontal | -36.24 | | |
| 5724.90 | H | -41.55 | | |
| 7633.20 | H | -38.92 | | |

*Note:*
1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

| LTE Band 2, WB: 20MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 3720.00 | Vertical | -32.92 | -13.00 | Pass |
| 5580.00 | V | -34.16 | | |
| 7440.00 | V | -39.25 | | |
| 3720.00 | Horizontal | -36.74 | | |
| 5580.00 | H | -41.53 | | |
| 7440.00 | H | -38.29 | | |
| **Middle Channel** | | | | |
| 3760.00 | Vertical | -32.16 | -13.00 | Pass |
| 5640.00 | V | -34.89 | | |
| 7520.00 | V | -39.83 | | |
| 3760.00 | Horizontal | -36.58 | | |
| 5640.00 | H | -41.13 | | |
| 7520.00 | H | -38.31 | | |
| **Highest Channel** | | | | |
| 3800.00 | Vertical | -32.55 | -13.00 | Pass |
| 5700.00 | V | -32.94 | | |
| 7600.00 | V | -39.87 | | |
| 3800.00 | Horizontal | -36.16 | | |
| 5700.00 | H | -41.28 | | |
| 7600.00 | H | -38.53 | | |

*Note:*

1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

**LTE Band 4 part:**

| LTE Band 4, WB: 1.4MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 3421.40 | Vertical | -40.41 | -13.00 | Pass |
| 5132.10 | V | -33.67 | | |
| 6842.80 | V | -38.75 | | |
| 3421.40 | Horizontal | -40.96 | | |
| 5132.10 | H | -36.99 | | |
| 6842.80 | H | -37.71 | | |
| **Middle Channel** | | | | |
| 3465.00 | Vertical | -40.25 | -13.00 | Pass |
| 5197.50 | V | -33.16 | | |
| 6930.00 | V | -38.53 | | |
| 3465.00 | Horizontal | -40.28 | | |
| 5197.50 | H | -36.71 | | |
| 6930.00 | H | -37.15 | | |
| **Highest Channel** | | | | |
| 3508.60 | Vertical | -40.97 | -13.00 | Pass |
| 5262.90 | V | -33.43 | | |
| 7017.20 | V | -38.26 | | |
| 3508.60 | Horizontal | -40.16 | | |
| 5262.90 | H | -36.72 | | |
| 7017.20 | H | -37.55 | | |

*Note:*
1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

| LTE Band 4, WB: 20MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 3440.00 | Vertical | -40.84 | -13.00 | Pass |
| 5160.00 | V | -33.26 | | |
| 6880.00 | V | -38.92 | | |
| 3440.00 | Horizontal | -40.15 | | |
| 5160.00 | H | -36.28 | | |
| 6880.00 | H | -37.54 | | |
| **Middle Channel** | | | | |
| 3465.00 | Vertical | -40.61 | -13.00 | Pass |
| 5197.50 | V | -33.98 | | |
| 6930.00 | V | -38.47 | | |
| 3465.00 | Horizontal | -40.73 | | |
| 5197.50 | H | -36.25 | | |
| 6930.00 | H | -37.94 | | |
| **Highest Channel** | | | | |
| 3490.00 | Vertical | -40.28 | -13.00 | Pass |
| 5235.00 | V | -33.92 | | |
| 6980.00 | V | -38.46 | | |
| 3490.00 | Horizontal | -40.72 | | |
| 5235.00 | H | -36.18 | | |
| 6980.00 | H | -37.53 | | |

*Note:*

1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

**LTE Band 5 part:**

| LTE Band 5, WB: 1.4MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 1649.40 | Vertical | -48.80 | -13.00 | Pass |
| 2474.10 | V | -56.10 | | |
| 3298.80 | V | -50.62 | | |
| 1649.40 | Horizontal | -50.81 | | |
| 2474.10 | H | -52.62 | | |
| 3298.80 | H | -50.61 | | |
| **Middle Channel** | | | | |
| 1673.00 | Vertical | -48.25 | -13.00 | Pass |
| 2509.50 | V | -56.19 | | |
| 3346.00 | V | -50.73 | | |
| 1673.00 | Horizontal | -50.93 | | |
| 2509.50 | H | -52.24 | | |
| 3346.00 | H | -50.18 | | |
| **Highest Channel** | | | | |
| 1696.60 | Vertical | -48.26 | -13.00 | Pass |
| 2544.90 | V | -56.83 | | |
| 3393.20 | V | -50.14 | | |
| 1696.60 | Horizontal | -50.25 | | |
| 2544.90 | H | -52.88 | | |
| 3393.20 | H | -50.16 | | |

*Note:*
1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

| LTE Band 5, WB: 10MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 1658.00 | Vertical | -48.98 | -13.00 | Pass |
| 2487.00 | V | -56.71 | | |
| 3316.00 | V | -50.12 | | |
| 1658.00 | Horizontal | -50.83 | | |
| 2487.00 | H | -52.22 | | |
| 3316.00 | H | -50.19 | | |
| **Middle Channel** | | | | |
| 1673.00 | Vertical | -48.32 | -13.00 | Pass |
| 2509.50 | V | -56.97 | | |
| 3346.00 | V | -50.26 | | |
| 1673.00 | Horizontal | -50.67 | | |
| 2509.50 | H | -52.15 | | |
| 3346.00 | H | -50.63 | | |
| **Highest Channel** | | | | |
| 1688.00 | Vertical | -48.92 | -13.00 | Pass |
| 2532.00 | V | -56.03 | | |
| 3376.00 | V | -50.67 | | |
| 1688.00 | Horizontal | -50.14 | | |
| 2532.00 | H | -52.20 | | |
| 3376.00 | H | -50.39 | | |

*Note:*

1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

**LTE Band 7 part:**

| LTE Band 7, WB: 5MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 5005.00 | Vertical | -27.71 | -25.00 | Pass |
| 7507.50 | V | -36.57 | | |
| 10010.00 | V | -33.78 | | |
| 5005.00 | Horizontal | -31.68 | | |
| 7507.50 | H | -34.54 | | |
| 10010.00 | H | -34.90 | | |
| **Middle Channel** | | | | |
| 5070.00 | Vertical | -27.16 | -25.00 | Pass |
| 7605.00 | V | -36.29 | | |
| 10140.00 | V | -33.81 | | |
| 5070.00 | Horizontal | -31.15 | | |
| 7605.00 | H | -34.25 | | |
| 10140.00 | H | -34.19 | | |
| **Highest Channel** | | | | |
| 5135.00 | Vertical | -27.85 | -25.00 | Pass |
| 7702.50 | V | -36.71 | | |
| 10270.00 | V | -33.15 | | |
| 5135.00 | Horizontal | -31.83 | | |
| 7702.50 | H | -34.97 | | |
| 10270.00 | H | -34.64 | | |

*Note:*

1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

| LTE Band 7, WB: 20MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 5020.00 | Vertical | -27.54 | -25.00 | Pass |
| 7530.00 | V | -36.92 | | |
| 10040.00 | V | -33.18 | | |
| 5020.00 | Horizontal | -31.84 | | |
| 7530.00 | H | -34.52 | | |
| 10040.00 | H | -34.97 | | |
| **Middle Channel** | | | | |
| 5070.00 | Vertical | -27.85 | -25.00 | Pass |
| 7605.00 | V | -36.91 | | |
| 10140.00 | V | -33.14 | | |
| 5070.00 | Horizontal | -31.52 | | |
| 7605.00 | H | -34.83 | | |
| 10140.00 | H | -34.97 | | |
| **Highest Channel** | | | | |
| 5120.00 | Vertical | -27.49 | -25.00 | Pass |
| 7680.00 | V | -36.41 | | |
| 10240.00 | V | -33.16 | | |
| 5120.00 | Horizontal | -31.51 | | |
| 7680.00 | H | -34.25 | | |
| 10240.00 | H | -34.83 | | |

*Note:*

1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

**LTE Band 12 part:**

| LTE Band 12, WB: 1.4MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 1399.40 | Vertical | -51.36 | -13.00 | Pass |
| 2099.10 | V | -57.74 | | |
| 2798.80 | V | -53.46 | | |
| 1399.40 | Horizontal | -54.03 | | |
| 2099.10 | H | -56.62 | | |
| 2798.80 | H | -52.00 | | |
| **Middle Channel** | | | | |
| 1415.00 | Vertical | -51.15 | -13.00 | Pass |
| 2122.50 | V | -57.46 | | |
| 2830.00 | V | -53.25 | | |
| 1415.00 | Horizontal | -54.13 | | |
| 2122.50 | H | -56.29 | | |
| 2830.00 | H | -52.07 | | |
| **Highest Channel** | | | | |
| 1430.60 | Vertical | -51.92 | -13.00 | Pass |
| 2145.90 | V | -57.46 | | |
| 2861.20 | V | -53.25 | | |
| 1430.60 | Horizontal | -54.16 | | |
| 2145.90 | H | -56.83 | | |
| 2861.20 | H | -52.64 | | |

*Note:*
1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

| LTE Band 12, WB: 10MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 1408.00 | Vertical | -51.87 | -13.00 | Pass |
| 2112.00 | V | -57.64 | | |
| 2816.00 | V | -53.25 | | |
| 1408.00 | Horizontal | -54.16 | | |
| 2112.00 | H | -56.28 | | |
| 2816.00 | H | -52.71 | | |
| **Middle Channel** | | | | |
| 1415.00 | Vertical | -51.33 | -13.00 | Pass |
| 2122.50 | V | -57.40 | | |
| 2830.00 | V | -53.83 | | |
| 1415.00 | Horizontal | -54.25 | | |
| 2122.50 | H | -56.92 | | |
| 2830.00 | H | -52.41 | | |
| **Highest Channel** | | | | |
| 1422.00 | Vertical | -51.89 | -13.00 | Pass |
| 2133.00 | V | -57.15 | | |
| 2844.00 | V | -53.24 | | |
| 1422.00 | Horizontal | -54.92 | | |
| 2133.00 | H | -56.13 | | |
| 2844.00 | H | -52.25 | | |

*Note:*

1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

**LTE Band 17 part:**

| LTE Band 17, WB: 5MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 1413.00 | Vertical | -55.20 | -13.00 | Pass |
| 2119.50 | V | -57.33 | | |
| 2826.00 | V | -52.74 | | |
| 1413.00 | Horizontal | -56.33 | | |
| 2119.50 | H | -56.99 | | |
| 2826.00 | H | -54.42 | | |
| **Middle Channel** | | | | |
| 1420.00 | Vertical | -55.18 | -13.00 | Pass |
| 2130.00 | V | -57.92 | | |
| 2840.00 | V | -52.16 | | |
| 1420.00 | Horizontal | -56.73 | | |
| 2130.00 | H | -56.19 | | |
| 2840.00 | H | -54.85 | | |
| **Highest Channel** | | | | |
| 1427.00 | Vertical | -55.97 | -13.00 | Pass |
| 2140.50 | V | -57.16 | | |
| 2854.00 | V | -52.92 | | |
| 1427.00 | Horizontal | -56.14 | | |
| 2140.50 | H | -56.28 | | |
| 2854.00 | H | -54.73 | | |

*Note:*

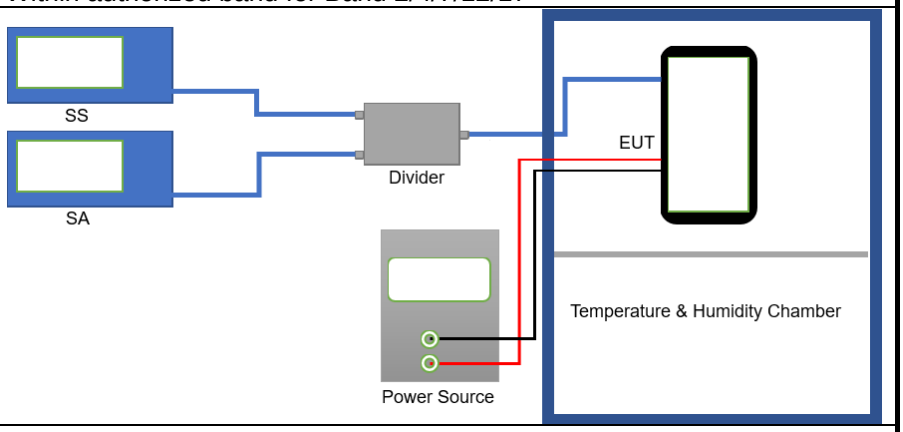
1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

| LTE Band 17, WB: 10MHz | | | | |
|---|---|---|---|---|
| RB size 1 & RB offset 0 | | | | |
| Frequency (MHz) | Spurious Emission | | Limit (dBm) | Result |
| | Polarization | Level (dBm) | | |
| **Lowest Channel** | | | | |
| 1418.00 | Vertical | -55.97 | -13.00 | Pass |
| 2127.00 | V | -57.16 | | |
| 2836.00 | V | -52.67 | | |
| 1418.00 | Horizontal | -56.13 | | |
| 2127.00 | H | -56.29 | | |
| 2836.00 | H | -54.82 | | |
| **Middle Channel** | | | | |
| 1420.00 | Vertical | -55.16 | -13.00 | Pass |
| 2130.00 | V | -57.24 | | |
| 2840.00 | V | -52.35 | | |
| 1420.00 | Horizontal | -56.11 | | |
| 2130.00 | H | -56.97 | | |
| 2840.00 | H | -54.73 | | |
| **Highest Channel** | | | | |
| 1422.00 | Vertical | -56.15 | -13.00 | Pass |
| 2133.00 | V | -57.41 | | |
| 2844.00 | V | -52.92 | | |
| 1422.00 | Horizontal | -57.26 | | |
| 2133.00 | H | -56.17 | | |
| 2844.00 | H | -54.89 | | |

*Note:*

1. *The emission levels of below 1 GHz are 20 dB lower than the limit so not show in this report.*
2. *For above 1 GHz, all test modes were performed, and just the worst case shown in the report.*

## 6.6 Frequency stability V.S. Temperature measurement

| | |
|---|---|
| Test Requirement: | Part 22.355, Part 24.235, Part 27.54, Part 2.1055(a)(1)(b) |
| Test Method: | ANSI/TIA-603-D 2010 |
| Limit: | ±2.5ppm For Band 5<br>Within authorized band for Band 2/4/7/12/17 |
| Test setup: |  |
| Test procedure: | 1. The equipment under test was connected to an external DC power supply and input rated voltage.<br>2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators.<br>3. The EUT was placed inside the temperature chamber.<br>4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25℃ operating frequency as reference frequency.<br>5. Turn EUT off and set the chamber temperature to –30℃. After the temperature stabilized for approximately 30 minutes recorded the frequency.<br>6. Repeat step measure with 10℃ increased per stage until the highest temperature of +50℃ reached |
| Test Instruments: | Refer to section 5.9 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

**Measurement Data (worst case):**

**LTE Band 2 part:**

| Reference Frequency: LTE Band 2 (10MHz) Middle channel=18900 channel=1880.00MHz | | | | | |
|---|---|---|---|---|---|
| Power supplied (Vdc) | Temperature (℃) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.80 | -30 | 196 | 0.104255 | Within authorized band | Pass |
| | -20 | 188 | 0.100000 | | |
| | -10 | 179 | 0.095213 | | |
| | 0 | 165 | 0.087766 | | |
| | 10 | 157 | 0.083511 | | |
| | 20 | 149 | 0.079255 | | |
| | 30 | 137 | 0.072872 | | |
| | 40 | 125 | 0.066489 | | |
| | 50 | 170 | 0.090426 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 168 | 0.089362 | Within authorized band | Pass |
| | -20 | 159 | 0.084574 | | |
| | -10 | 143 | 0.076064 | | |
| | 0 | 134 | 0.071277 | | |
| | 10 | 127 | 0.067553 | | |
| | 20 | 118 | 0.062766 | | |
| | 30 | 110 | 0.058511 | | |
| | 40 | 102 | 0.054255 | | |
| | 50 | 150 | 0.079787 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 4 part:**

| Reference Frequency: LTE Band 4 (10MHz) Middle channel=20175 channel=1732.50MHz | | | | | |
|---|---|---|---|---|---|
| Power supplied (Vdc) | Temperature (℃) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.80 | -30 | 194 | 0.111977 | Within authorized band | Pass |
| | -20 | 183 | 0.105628 | | |
| | -10 | 176 | 0.101587 | | |
| | 0 | 168 | 0.096970 | | |
| | 10 | 159 | 0.091775 | | |
| | 20 | 149 | 0.086003 | | |
| | 30 | 136 | 0.078499 | | |
| | 40 | 127 | 0.073304 | | |
| | 50 | 140 | 0.080808 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 169 | 0.097547 | Within authorized band | Pass |
| | -20 | 158 | 0.091198 | | |
| | -10 | 148 | 0.085426 | | |
| | 0 | 138 | 0.079654 | | |
| | 10 | 124 | 0.071573 | | |
| | 20 | 117 | 0.067532 | | |
| | 30 | 110 | 0.063492 | | |
| | 40 | 142 | 0.081962 | | |
| | 50 | 130 | 0.075036 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 5 part:**

| Reference Frequency: LTE Band 5 (10MHz) Middle channel=20525 channel=836.50MHz | | | | | |
|---|---|---|---|---|---|
| Power supplied (Vdc) | Temperature (℃) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.80 | -30 | 191 | 0.228332 | ±2.5 | Pass |
| | -20 | 186 | 0.222355 | | |
| | -10 | 178 | 0.212791 | | |
| | 0 | 169 | 0.202032 | | |
| | 10 | 156 | 0.186491 | | |
| | 20 | 149 | 0.178123 | | |
| | 30 | 138 | 0.164973 | | |
| | 40 | 126 | 0.150628 | | |
| | 50 | 160 | 0.191273 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 169 | 0.202032 | ±2.5 | Pass |
| | -20 | 158 | 0.188882 | | |
| | -10 | 149 | 0.178123 | | |
| | 0 | 132 | 0.157800 | | |
| | 10 | 127 | 0.151823 | | |
| | 20 | 118 | 0.141064 | | |
| | 30 | 109 | 0.130305 | | |
| | 40 | 103 | 0.123132 | | |
| | 50 | 140 | 0.167364 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 7 part:**

| Reference Frequency: LTE Band 7 (10MHz) Middle channel=21100 Frequency=2535.00MHz | | | | | |
|---|---|---|---|---|---|
| Power supplied (Vdc) | Temperature (℃) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.80 | -30 | 194 | 0.076529 | Within authorized band | Pass |
| | -20 | 187 | 0.073767 | | |
| | -10 | 179 | 0.070611 | | |
| | 0 | 170 | 0.067061 | | |
| | 10 | 164 | 0.064694 | | |
| | 20 | 154 | 0.060750 | | |
| | 30 | 142 | 0.056016 | | |
| | 40 | 131 | 0.051677 | | |
| | 50 | 124 | 0.048915 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 165 | 0.065089 | Within authorized band | Pass |
| | -20 | 155 | 0.061144 | | |
| | -10 | 147 | 0.057988 | | |
| | 0 | 139 | 0.054832 | | |
| | 10 | 125 | 0.049310 | | |
| | 20 | 117 | 0.046154 | | |
| | 30 | 112 | 0.044181 | | |
| | 40 | 106 | 0.041815 | | |
| | 50 | 130 | 0.051282 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

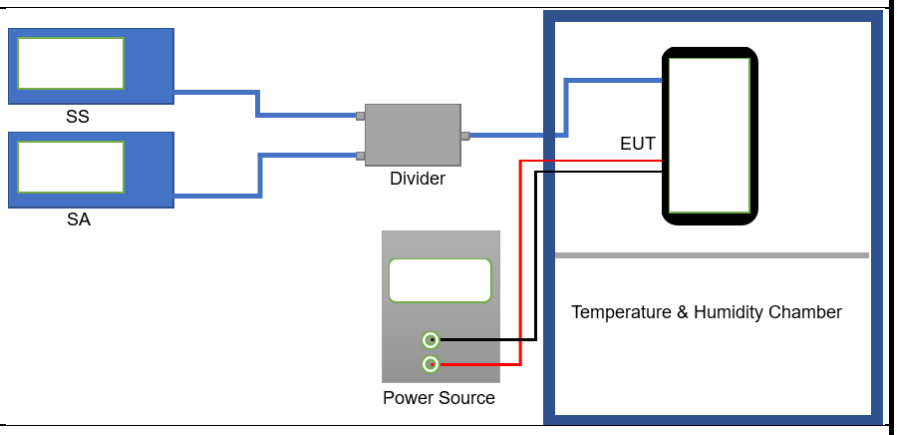
**LTE Band 12 part:**

| Reference Frequency: LTE Band 12 (10MHz) Middle channel=23095 channel=707.50MHz | | | | | |
|---|---|---|---|---|---|
| Power supplied (Vdc) | Temperature (℃) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.80 | -30 | 190 | 0.268551 | Within authorized band | Pass |
| | -20 | 184 | 0.260071 | | |
| | -10 | 176 | 0.248763 | | |
| | 0 | 167 | 0.236042 | | |
| | 10 | 159 | 0.224735 | | |
| | 20 | 145 | 0.204947 | | |
| | 30 | 132 | 0.186572 | | |
| | 40 | 126 | 0.178092 | | |
| | 50 | 150 | 0.212014 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 163 | 0.230389 | Within authorized band | Pass |
| | -20 | 158 | 0.223322 | | |
| | -10 | 149 | 0.210601 | | |
| | 0 | 134 | 0.189399 | | |
| | 10 | 127 | 0.179505 | | |
| | 20 | 114 | 0.161131 | | |
| | 30 | 105 | 0.148410 | | |
| | 40 | 120 | 0.169611 | | |
| | 50 | 140 | 0.197880 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 17 part:**

| Reference Frequency: LTE Band 17 (10MHz) Middle channel=23790 channel=710.00MHz | | | | | |
|---|---|---|---|---|---|
| Power supplied (Vdc) | Temperature (℃) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.80 | -30 | 193 | 0.271831 | Within authorized band | Pass |
| | -20 | 183 | 0.257746 | | |
| | -10 | 177 | 0.249296 | | |
| | 0 | 168 | 0.236620 | | |
| | 10 | 158 | 0.222535 | | |
| | 20 | 141 | 0.198592 | | |
| | 30 | 132 | 0.185915 | | |
| | 40 | 121 | 0.170423 | | |
| | 50 | 149 | 0.209859 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 162 | 0.228169 | Within authorized band | Pass |
| | -20 | 157 | 0.221127 | | |
| | -10 | 148 | 0.208451 | | |
| | 0 | 138 | 0.194366 | | |
| | 10 | 128 | 0.180282 | | |
| | 20 | 113 | 0.159155 | | |
| | 30 | 102 | 0.143662 | | |
| | 40 | 120 | 0.169014 | | |
| | 50 | 140 | 0.197183 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

## 6.7 Frequency stability V.S. Voltage measurement

| | |
|---|---|
| Test Requirement: | Part 22.355, Part 24.235, Part 27.54, Part 2.1055(d)(2) |
| Test Method: | ANSI/TIA-603-D 2010 |
| Limit: | ±2.5ppm For Band 5<br>Within authorized band for Band 2/4/7/12/17 |
| Test setup: |  |
| Test procedure: | 1. Set chamber temperature to 25℃. Use a variable DC power source to power the EUT and set the voltage to rated voltage.<br>2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.<br>3. Reduce the input voltage to specify extreme voltage variation (+/-15%) and endpoint, record the maximum frequency change. |
| Test Instruments: | Refer to section 5.9 for details |
| Test mode: | Refer to section 5.3 for details |
| Test results: | Passed |

**Measurement Data (worst case):**

**LTE Band 2 part:**

| Reference Frequency: LTE Band 2(10MHz) Middle channel=18900 channel=1880.00MHz | | | | | |
|---|---|---|---|---|---|
| Temperature (℃) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 4.35 | 94 | 0.050000 | Within authorized band | Pass |
| | 3.80 | 73 | 0.038830 | | |
| | 3.50 | 52 | 0.027660 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 90 | 0.047872 | Within authorized band | Pass |
| | 3.80 | 78 | 0.041489 | | |
| | 3.50 | 60 | 0.031915 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 4 part:**

| Reference Frequency: LTE Band 4(10MHz) Middle channel=20175 channel=1732.50MHz | | | | | |
|---|---|---|---|---|---|
| Temperature (℃) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 4.35 | 93 | 0.053680 | Within authorized band | Pass |
| | 3.80 | 80 | 0.046176 | | |
| | 3.50 | 75 | 0.043290 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 92 | 0.053102 | Within authorized band | Pass |
| | 3.80 | 86 | 0.049639 | | |
| | 3.50 | 70 | 0.040404 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 5 part:**

| Reference Frequency: LTE Band 5(10MHz) Middle channel=20525 channel=836.50MHz | | | | | |
|---|---|---|---|---|---|
| Temperature (℃) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 4.35 | 95 | 0.113568 | ±2.5 | Pass |
| | 3.80 | 78 | 0.093246 | | |
| | 3.50 | 59 | 0.070532 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 96 | 0.114764 | ±2.5 | Pass |
| | 3.80 | 80 | 0.095637 | | |
| | 3.50 | 54 | 0.064555 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 7 part:**

| Reference Frequency: LTE Band 7(10MHz) Middle channel=21100 Frequency=2535.00MHz | | | | | |
|---|---|---|---|---|---|
| Temperature (℃) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 4.35 | 97 | 0.038264 | Within authorized band | Pass |
| | 3.80 | 79 | 0.031164 | | |
| | 3.50 | 60 | 0.023669 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 91 | 0.035897 | Within authorized band | Pass |
| | 3.80 | 83 | 0.032742 | | |
| | 3.50 | 70 | 0.027613 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 12 part:**

| Reference Frequency: LTE Band 12(10MHz) Middle channel=23095 channel=707.50MHz | | | | | |
|---|---|---|---|---|---|
| Temperature (℃) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 4.35 | 93 | 0.131449 | Within authorized band | Pass |
| | 3.80 | 80 | 0.113074 | | |
| | 3.50 | 74 | 0.104594 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 90 | 0.127208 | Within authorized band | Pass |
| | 3.80 | 70 | 0.098940 | | |
| | 3.50 | 50 | 0.070671 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 17 part:**

| Reference Frequency: LTE Band 17(10MHz) Middle channel=23790 channel=710.00MHz | | | | | |
|---|---|---|---|---|---|
| Temperature (℃) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 4.35 | 89 | 0.125352 | Within authorized band | Pass |
| | 3.80 | 70 | 0.098592 | | |
| | 3.50 | 61 | 0.085915 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 88 | 0.123944 | Within authorized band | Pass |
| | 3.80 | 74 | 0.104225 | | |
| | 3.50 | 63 | 0.088732 | | |
| *Note: Only the worst case shown in the report.* | | | | | |