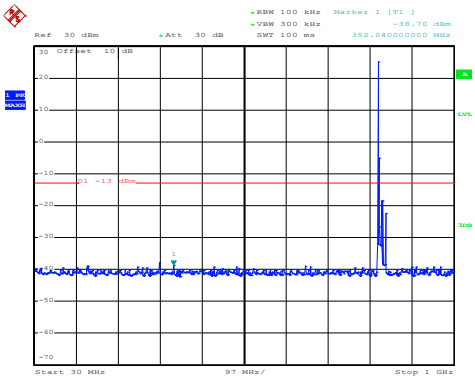
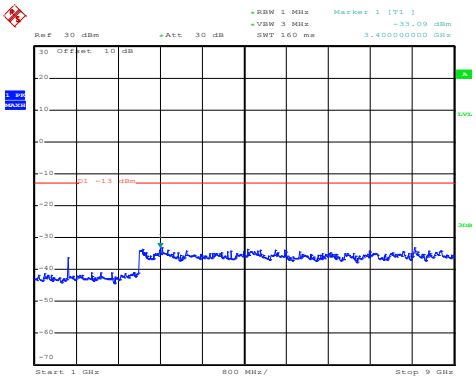
LTE Band 5: QPSK & RB Size 1
BW: 10MHz
Lowest channel




Date: 15.MAY.2020 09:33:15

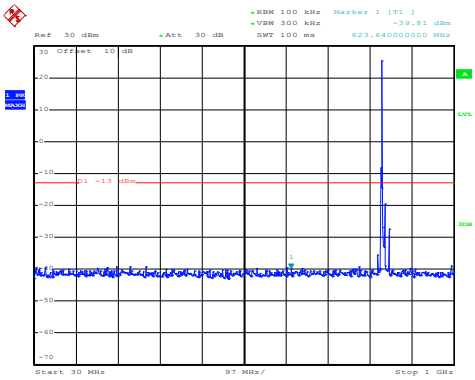
30MHz~1GHz




Date: 15.MAY.2020 09:31:37

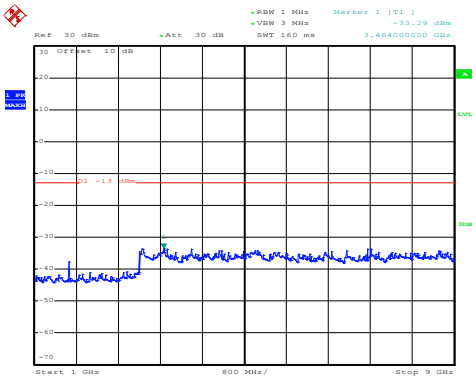
1GHz~9GHz

Middle channel




Date: 15.MAY.2020 09:32:52

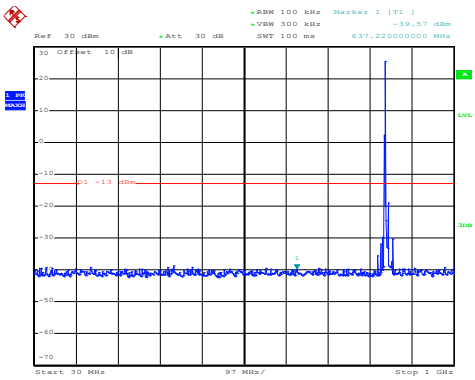
30MHz~1GHz




Date: 15.MAY.2020 09:31:51

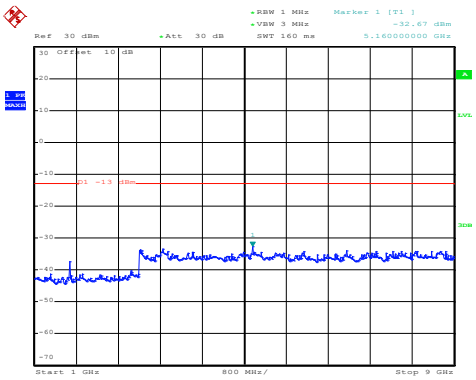
1GHz~9GHz

High channel




Date: 15.MAY.2020 09:32:30

30MHz~1GHz

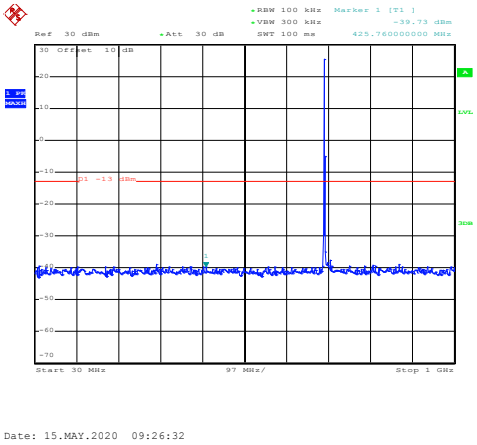



Date: 15.MAY.2020 09:32:07

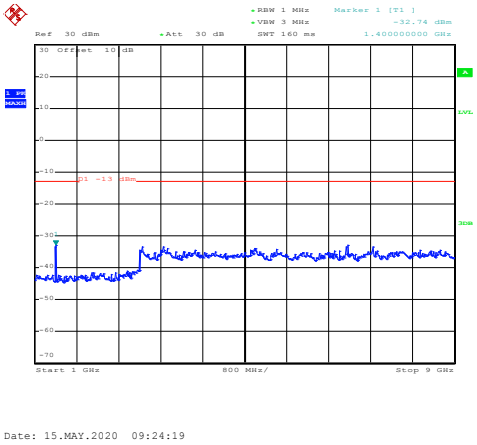
1GHz~9GHz

**LTE Band 12 part:**

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

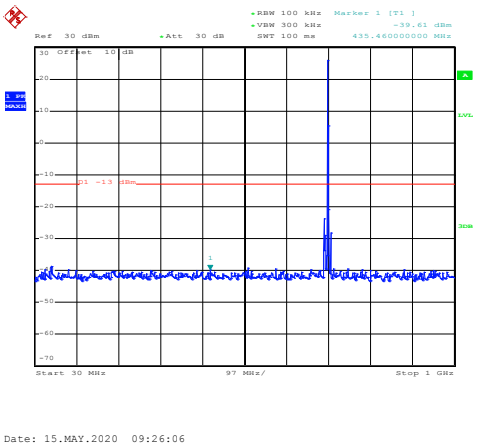



30MHz~1GHz

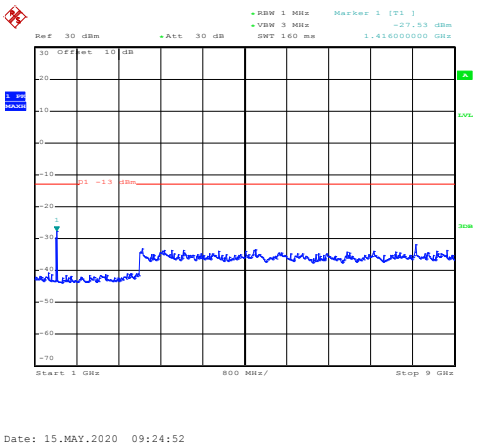



1GHz~9GHz

Middle channel

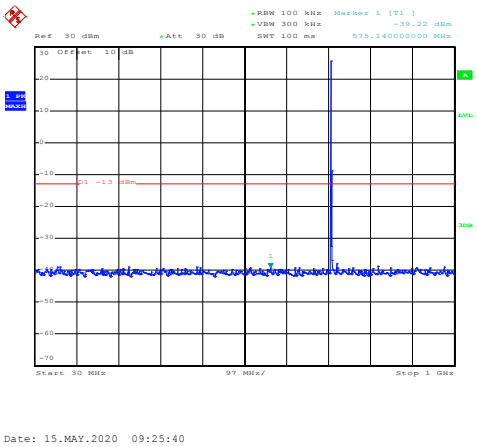



30MHz~1GHz

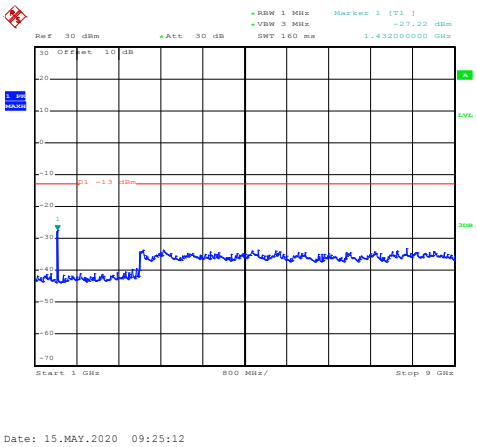



1GHz~9GHz

High channel

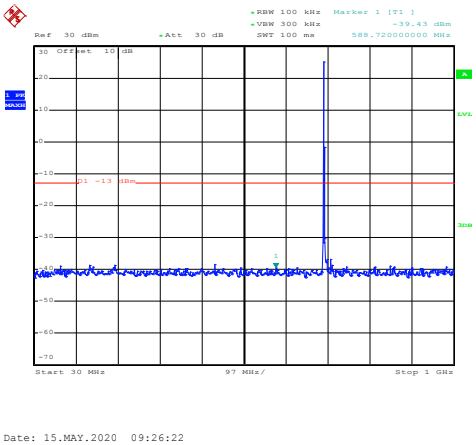



30MHz~1GHz

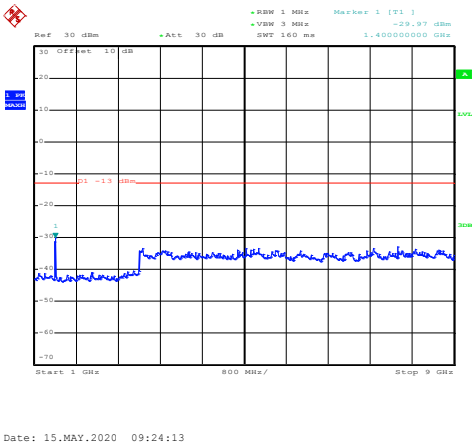



1GHz~9GHz

LTE Band 12: QPSK & RB Size 1
BW: 1.4MHz
Lowest channel

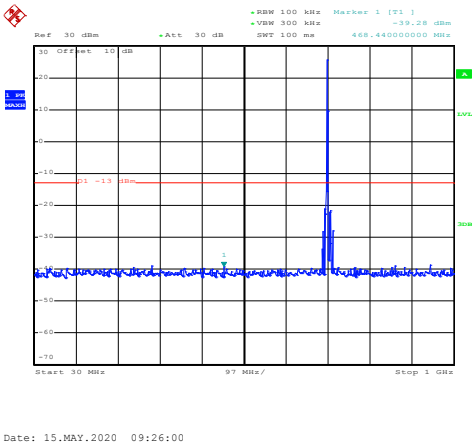



30MHz~1GHz

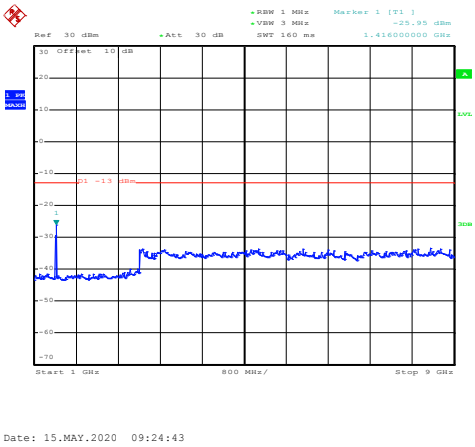



1GHz~9GHz

Middle channel

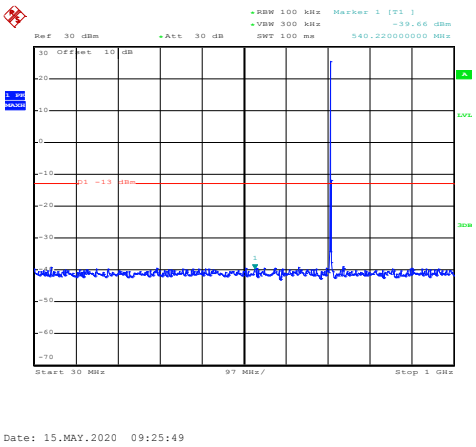



30MHz~1GHz

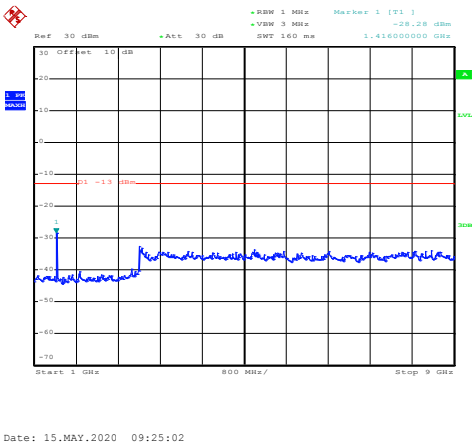



1GHz~9GHz

High channel

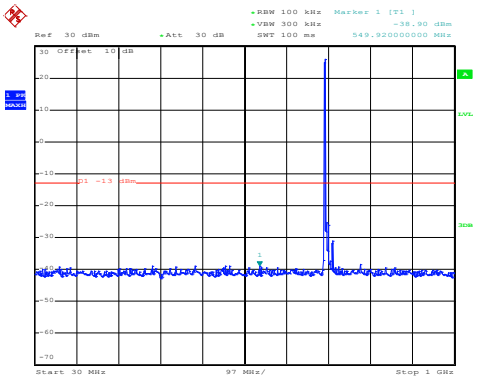



30MHz~1GHz



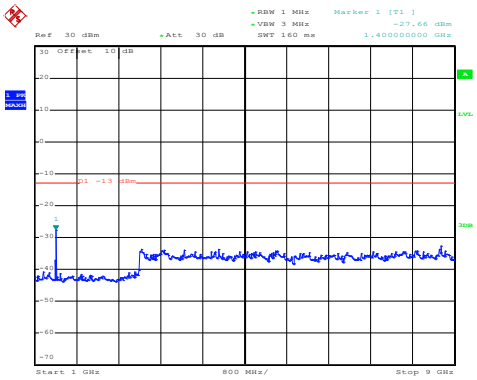

1GHz~9GHz

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




Date: 15.MAY.2020 09:29:21

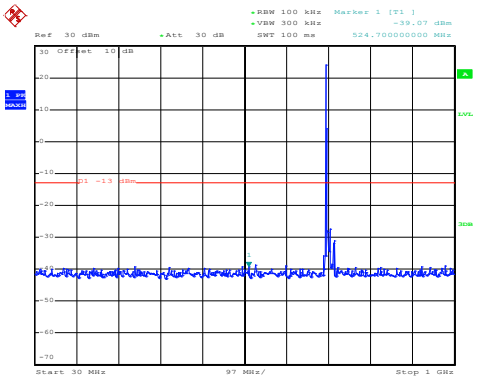
30MHz~1GHz




Date: 15.MAY.2020 09:31:10

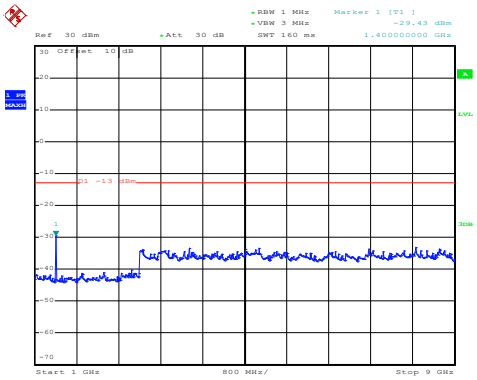
1GHz~9GHz

Middle channel




Date: 15.MAY.2020 09:29:41

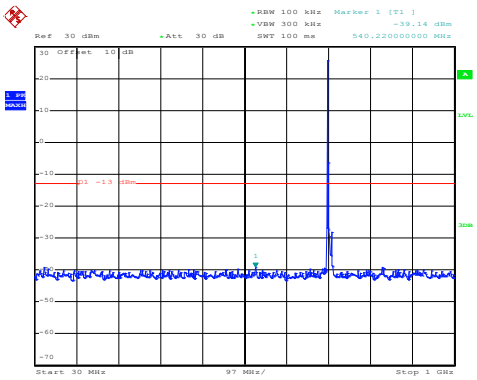
30MHz~1GHz




Date: 15.MAY.2020 09:30:50

1GHz~9GHz

High channel

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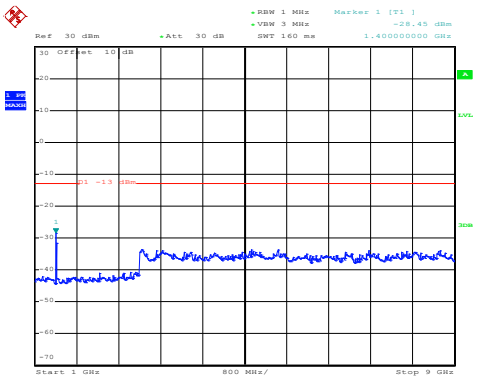
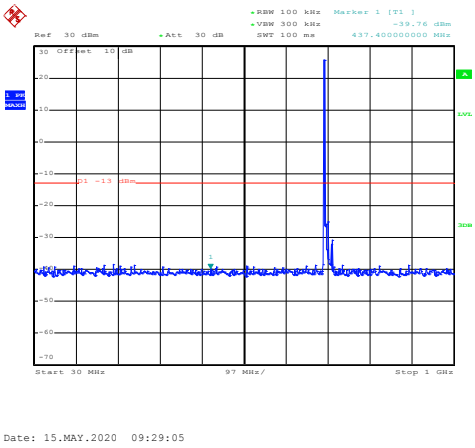
30MHz~1GHz



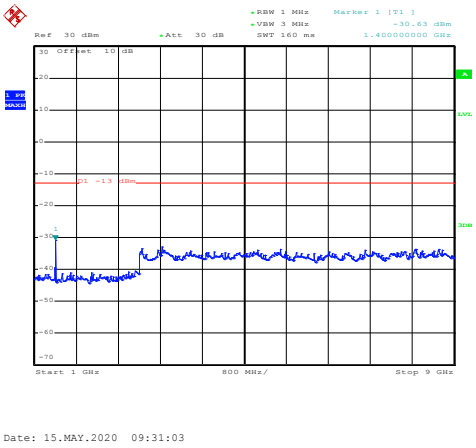

Date: 15.MAY.2020 09:30:35

1GHz~9GHz

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

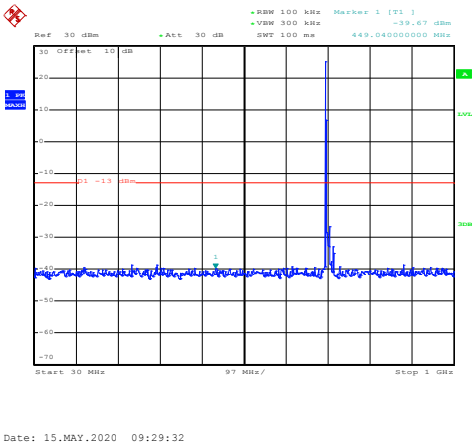



30MHz~1GHz

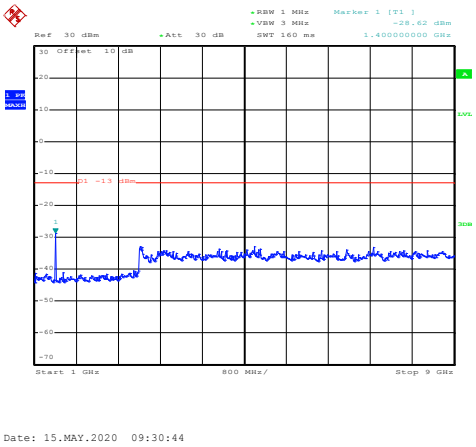



1GHz~9GHz

Middle channel

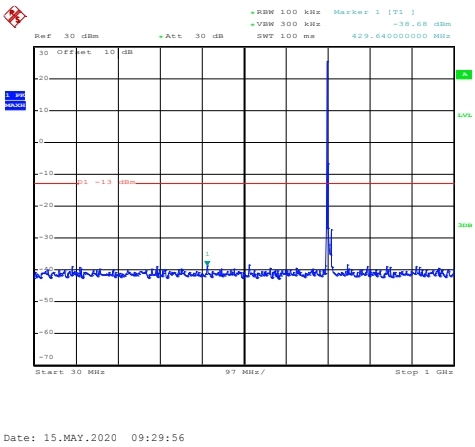



30MHz~1GHz

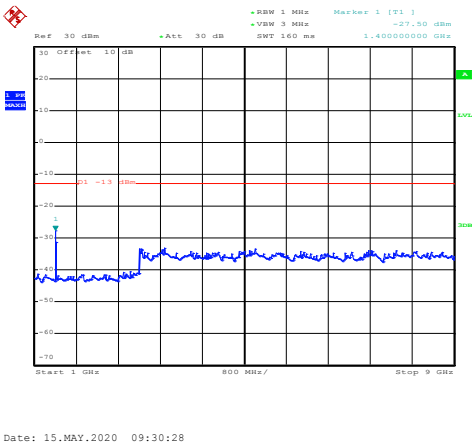



1GHz~9GHz

High channel



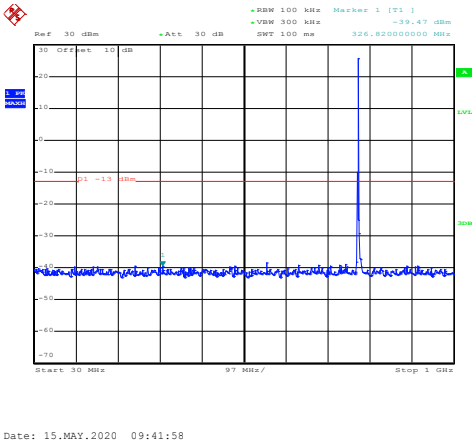

30MHz~1GHz



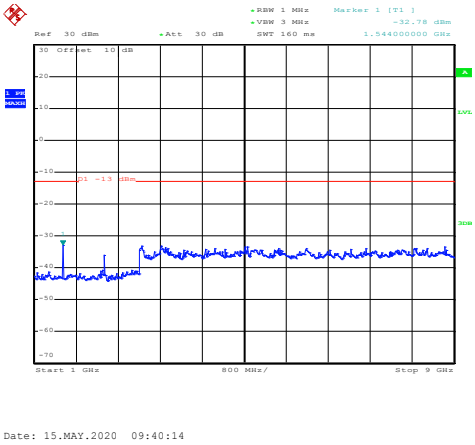

1GHz~9GHz

**LTE Band 13 part:**

LTE Band 13: 16 QAM & RB Size 1
BW: 5MHz
Lowest channel

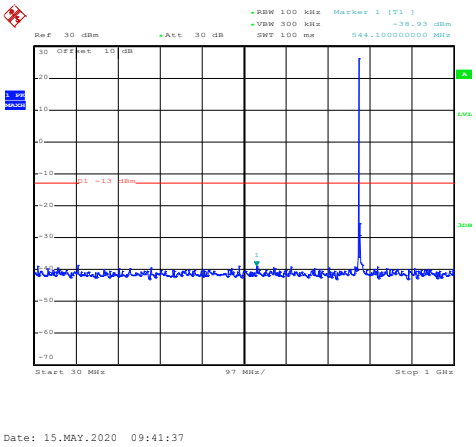



30MHz~1GHz

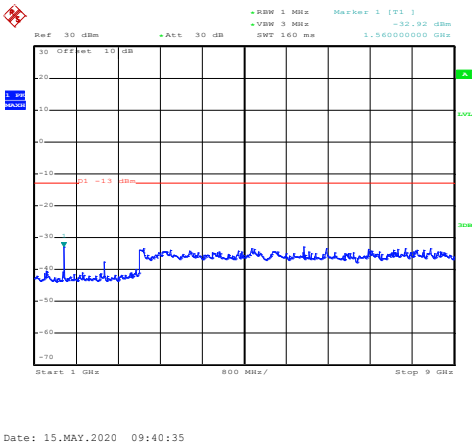



1GHz~9GHz

Middle channel

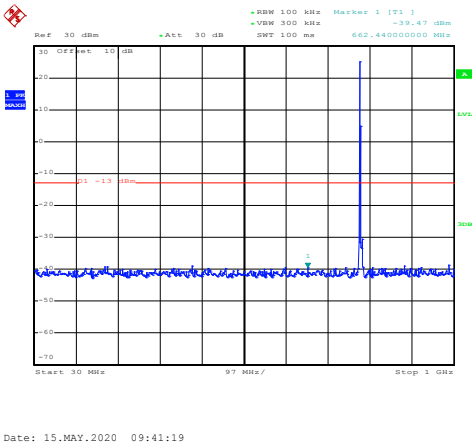



30MHz~1GHz

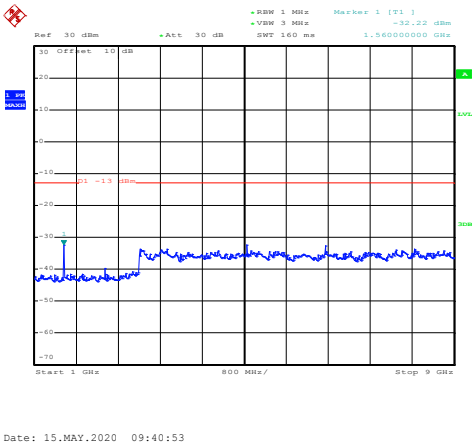



1GHz~9GHz

High channel

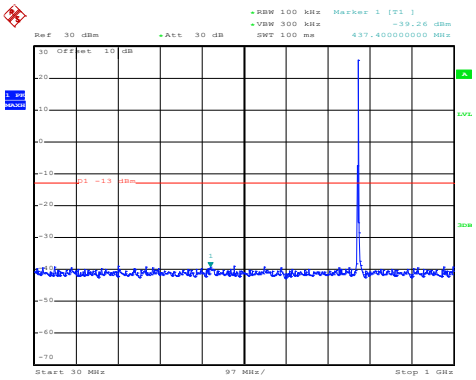



30MHz~1GHz



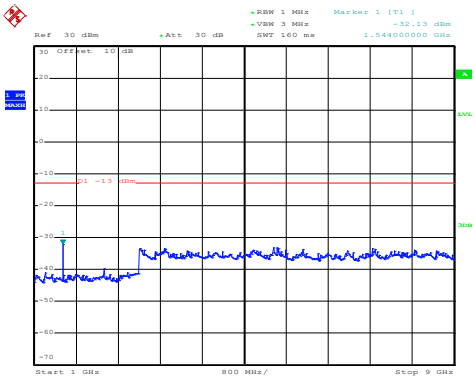

1GHz~9GHz

LTE Band 13: QPSK & RB Size 1
BW: 5MHz
Lowest channel




Date: 15.MAY.2020 09:41:50

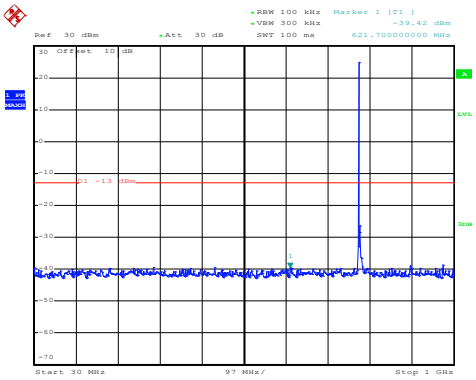
30MHz~1GHz




Date: 15.MAY.2020 09:40:06

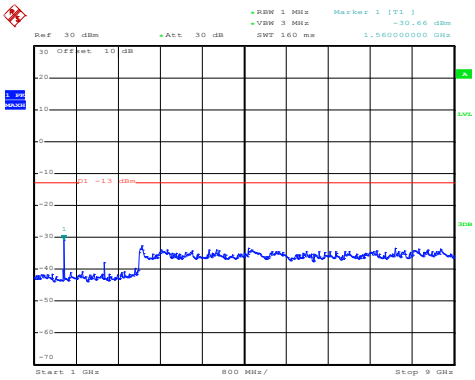
1GHz~9GHz

Middle channel




Date: 15.MAY.2020 09:41:29

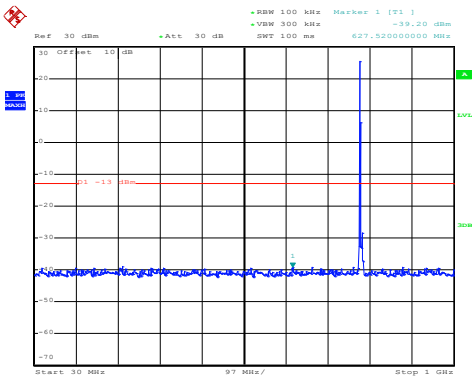
30MHz~1GHz




Date: 15.MAY.2020 09:40:26

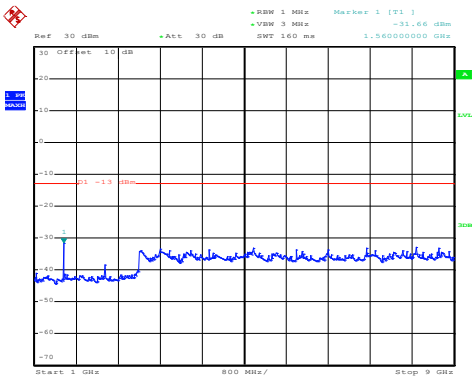
1GHz~9GHz

High channel




Date: 15.MAY.2020 09:41:11

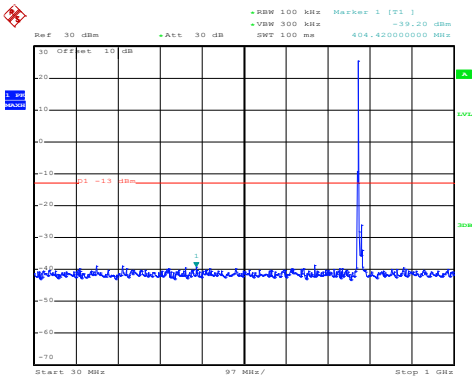
30MHz~1GHz



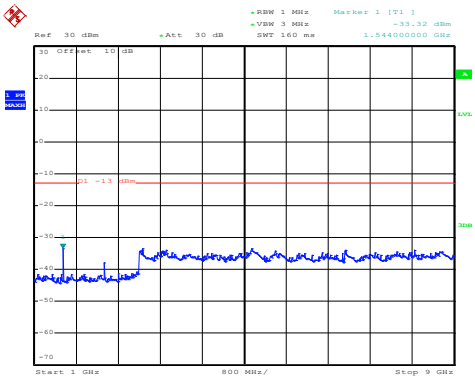

Date: 15.MAY.2020 09:40:44

1GHz~9GHz

LTE Band 13: 16 QAM & RB Size 1
BW: 10MHz
Middle channel

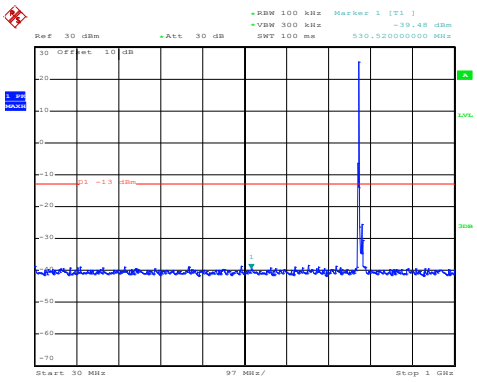



30MHz~1GHz

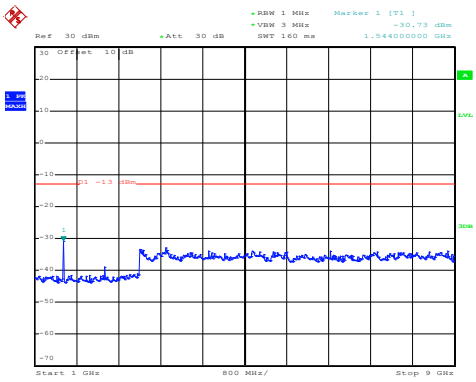



1GHz~9GHz

LTE Band 13: QPSK & RB Size 1
BW: 10MHz
Middle channel



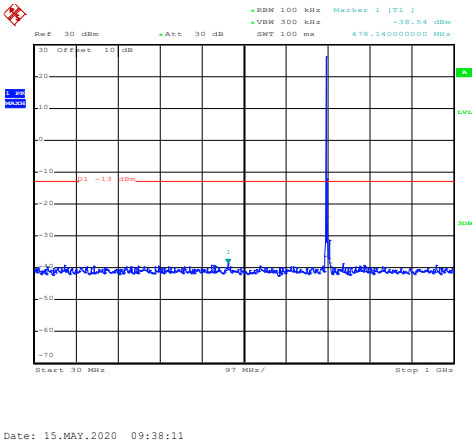

30MHz~1GHz



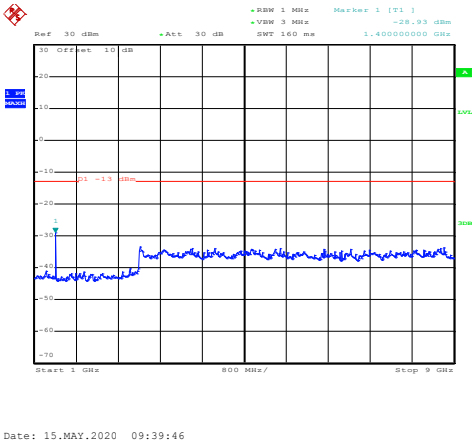

1GHz~9GHz

**LTE Band 17 part:**

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

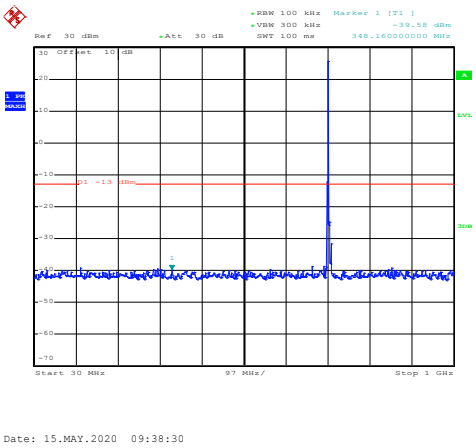



30MHz~1GHz

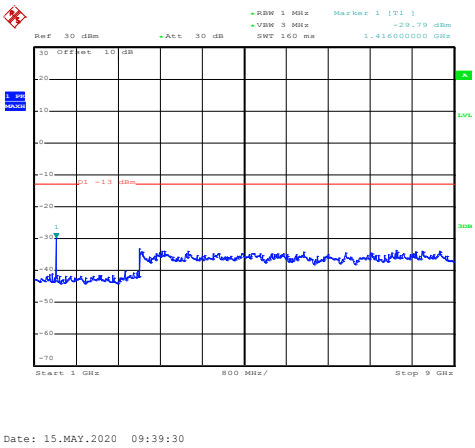



1GHz~9GHz

Middle channel

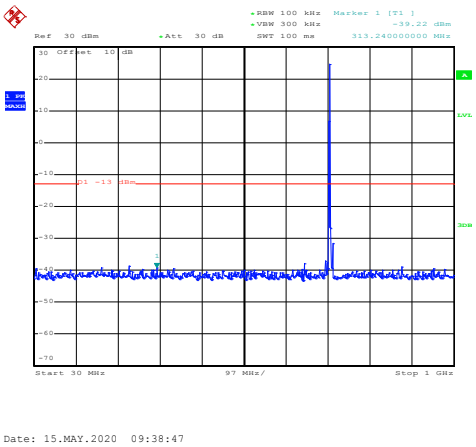



30MHz~1GHz

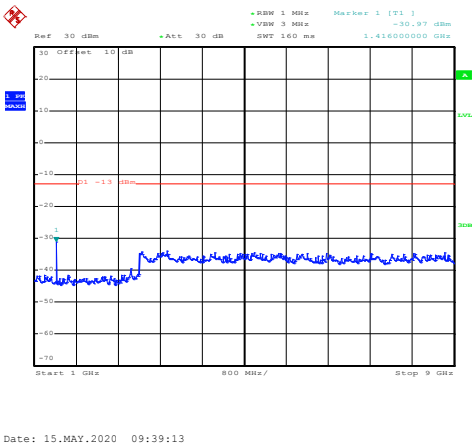



1GHz~9GHz

High channel

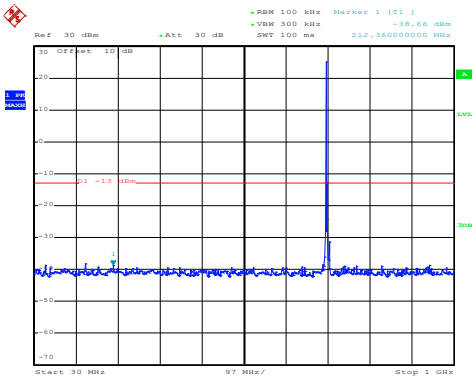



30MHz~1GHz



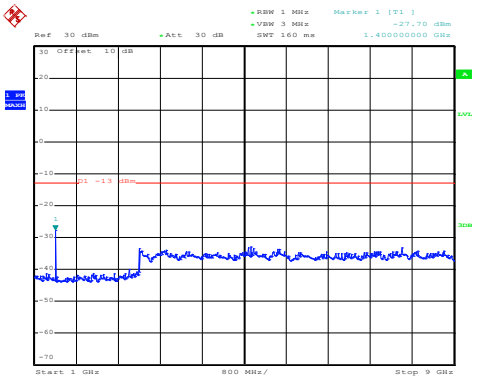

1GHz~9GHz

LTE Band 17: QPSK & RB Size 1
BW: 5MHz
Lowest channel




Date: 15.MAY.2020 09:37:58

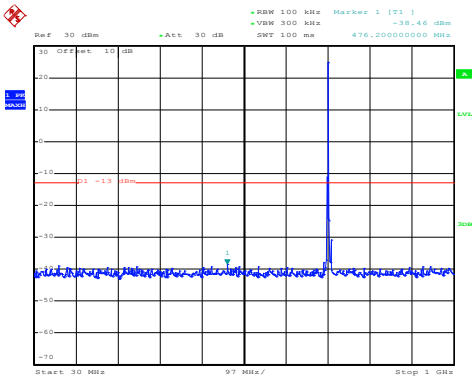
30MHz~1GHz




Date: 15.MAY.2020 09:39:40

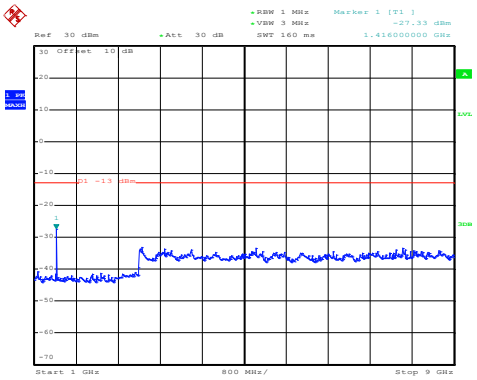
1GHz~9GHz

Middle channel




Date: 15.MAY.2020 09:38:22

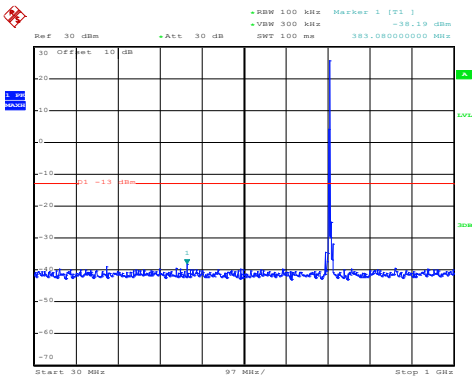
30MHz~1GHz




Date: 15.MAY.2020 09:39:23

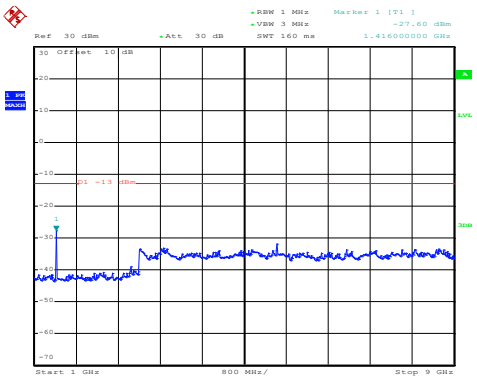
1GHz~9GHz

High channel




Date: 15.MAY.2020 09:38:40

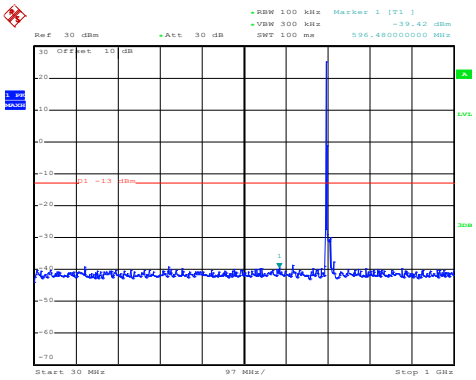
30MHz~1GHz




Date: 15.MAY.2020 09:39:06

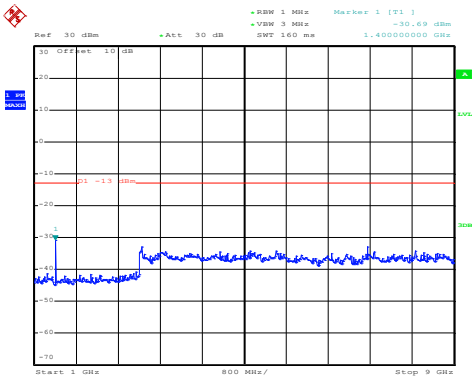
1GHz~9GHz

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




Date: 15.MAY.2020 09:37:23

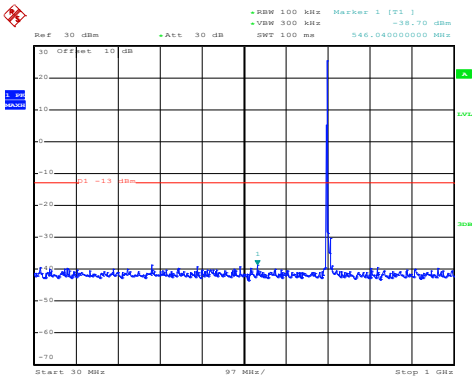
30MHz~1GHz




Date: 15.MAY.2020 09:35:36

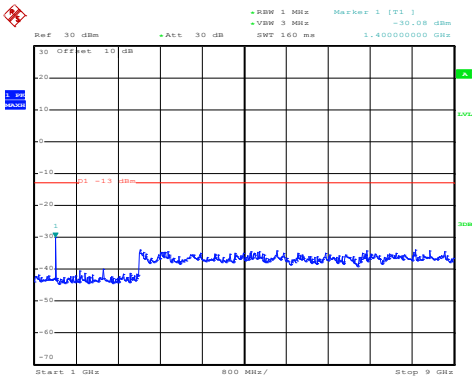
1GHz~9GHz

Middle channel




Date: 15.MAY.2020 09:37:04

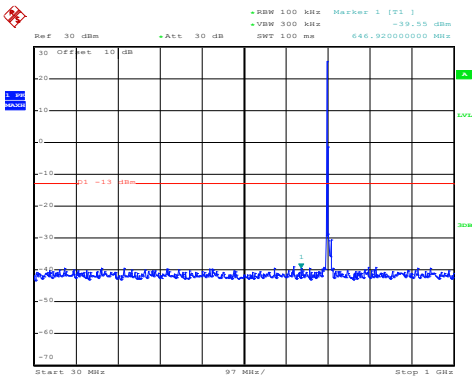
30MHz~1GHz




Date: 15.MAY.2020 09:35:49

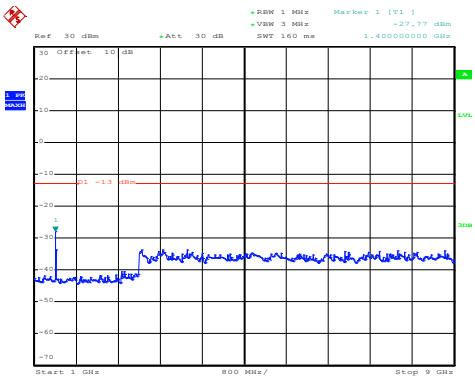
1GHz~9GHz

High channel




Date: 15.MAY.2020 09:36:45

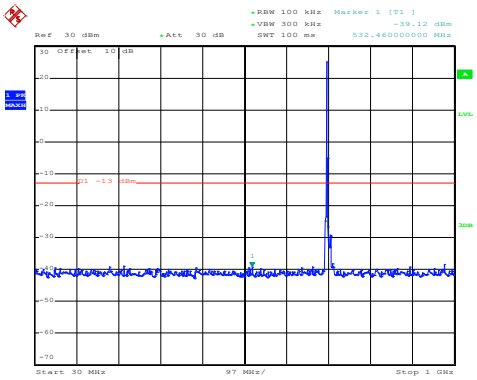
30MHz~1GHz




Date: 15.MAY.2020 09:36:09

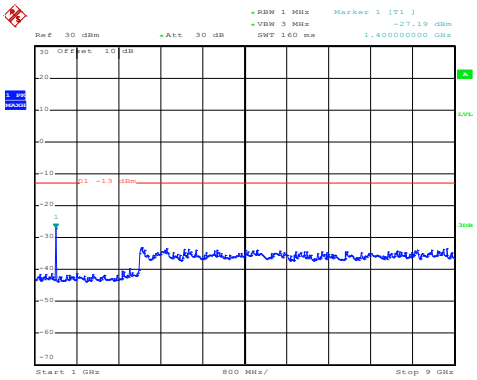
1GHz~9GHz

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




Date: 15.MAY.2020 09:37:16

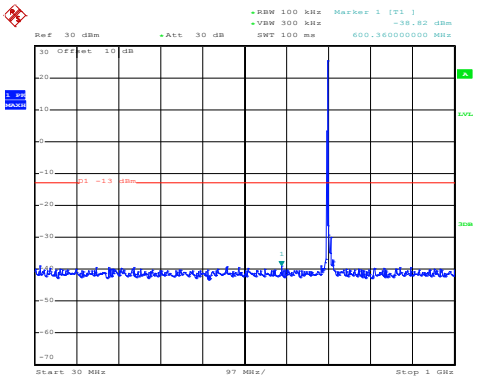
30MHz~1GHz




Date: 15.MAY.2020 09:35:31

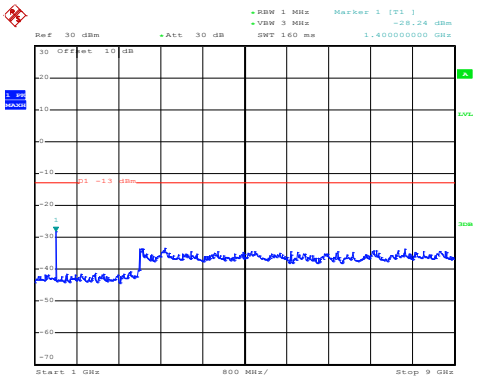
1GHz~9GHz

Middle channel




Date: 15.MAY.2020 09:36:57

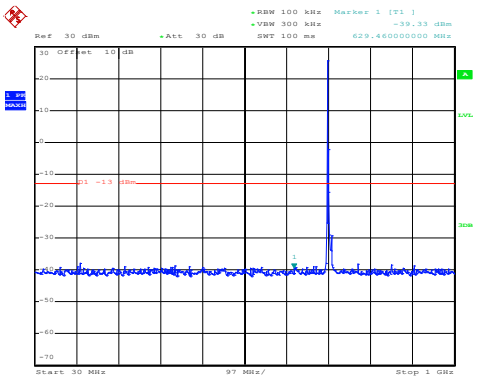
30MHz~1GHz




Date: 15.MAY.2020 09:35:45

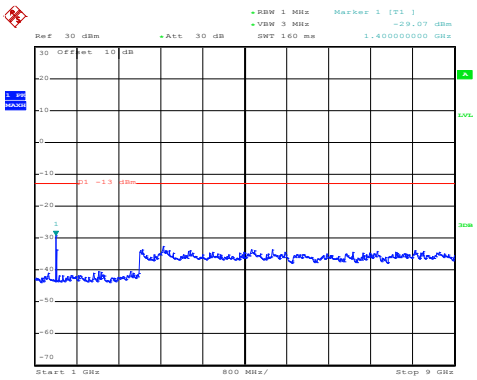
1GHz~9GHz

High channel




Date: 15.MAY.2020 09:36:37

30MHz~1GHz

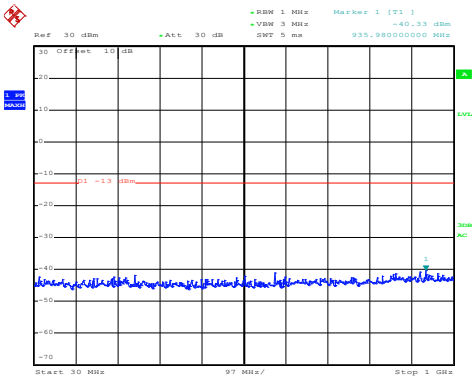



Date: 15.MAY.2020 09:36:02

1GHz~9GHz

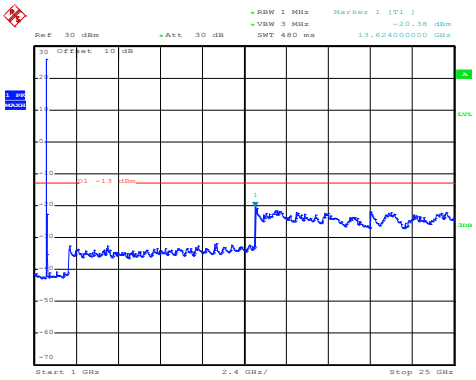
**LTE Band 66 part:**

LTE Band 66: 16 QAM & RB Size 1
BW: 1.4MHz
Lowest channel




Date: 15.MAY.2020 18:27:05

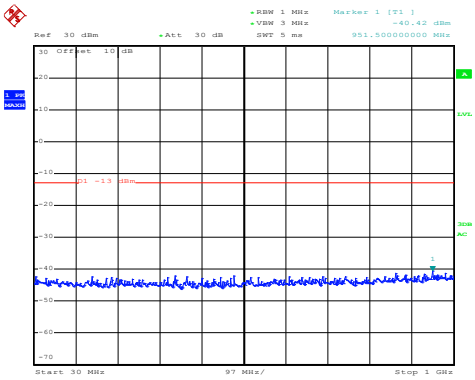
30MHz~1GHz




Date: 18.MAY.2020 20:38:16

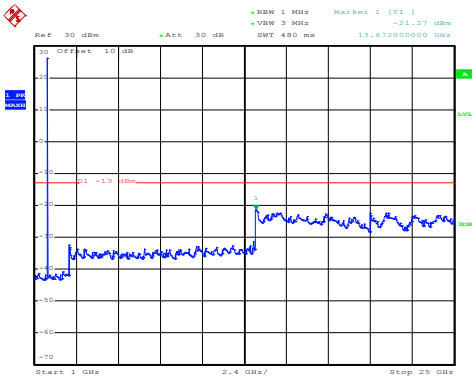
1GHz~25GHz

Middle channel




Date: 15.MAY.2020 18:27:21

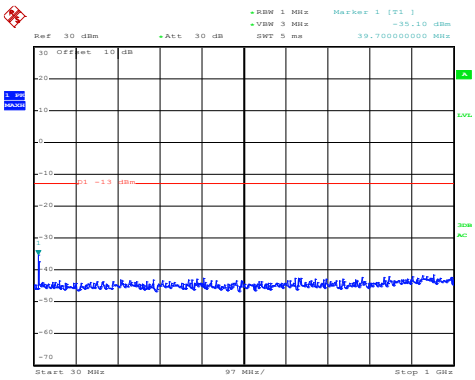
30MHz~1GHz




Date: 18.MAY.2020 20:38:59

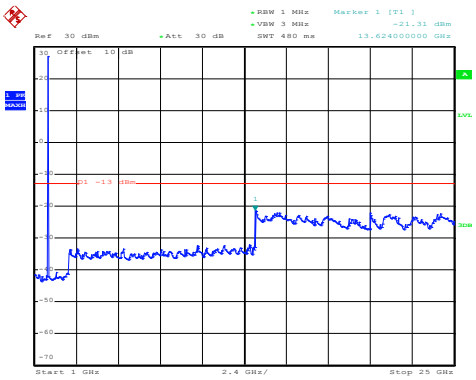
1GHz~25GHz

High channel




Date: 15.MAY.2020 18:27:43

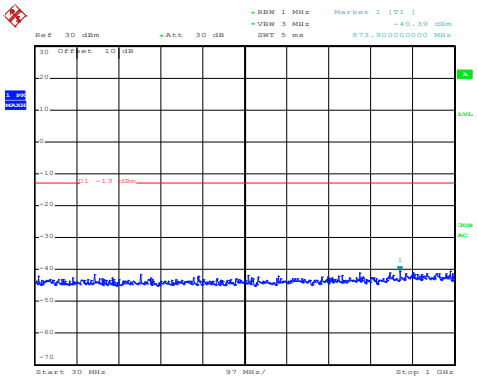
30MHz~1GHz




Date: 18.MAY.2020 20:40:03

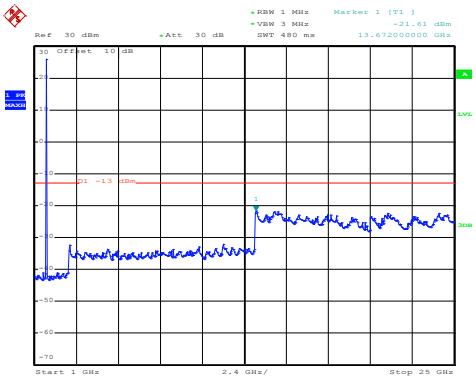
1GHz~25GHz

LTE Band 66: QPSK & RB Size 1
BW: 1.4MHz
Lowest channel




Date: 15.MAY.2020 18:27:00

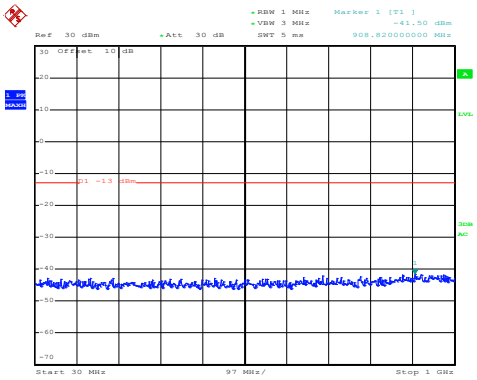
30MHz~1GHz




Date: 18.MAY.2020 20:38:26

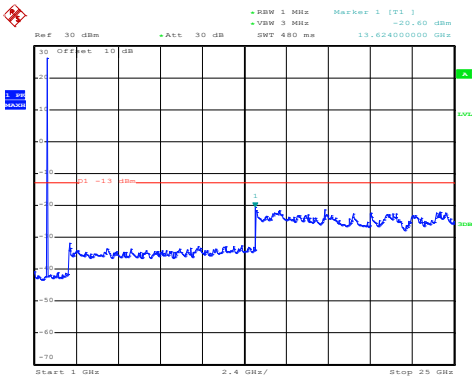
1GHz~25GHz

Middle channel




Date: 15.MAY.2020 18:27:15

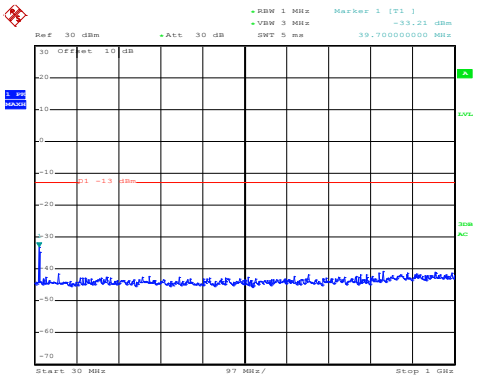
30MHz~1GHz




Date: 18.MAY.2020 20:38:47

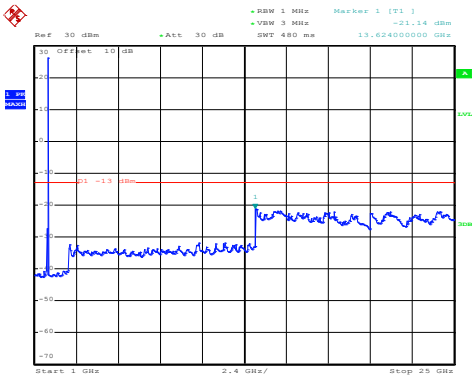
1GHz~25GHz

High channel




Date: 15.MAY.2020 18:27:34

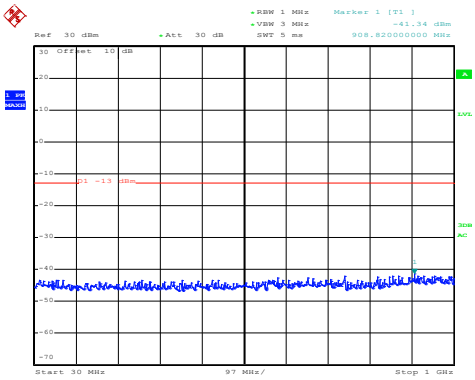
30MHz~1GHz




Date: 18.MAY.2020 20:39:39

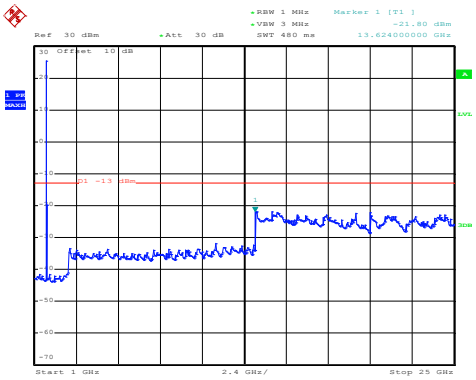
1GHz~25GHz

LTE Band 66: 16 QAM & RB Size 1
BW: 20MHz
Lowest channel




Date: 15.MAY.2020 18:25:56

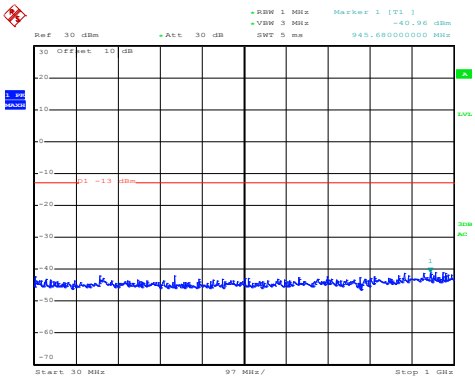
30MHz~1GHz




Date: 18.MAY.2020 20:41:01

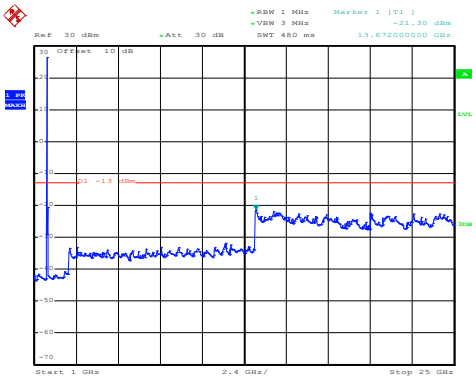
1GHz~25GHz

Middle channel




Date: 15.MAY.2020 18:26:12

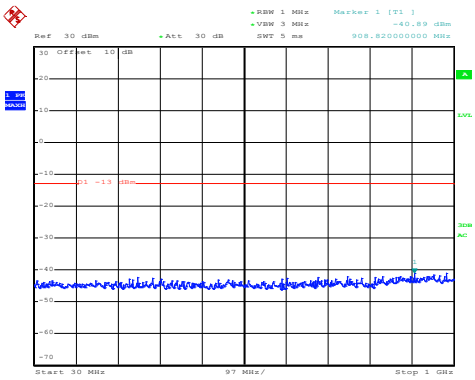
30MHz~1GHz




Date: 18.MAY.2020 20:41:30

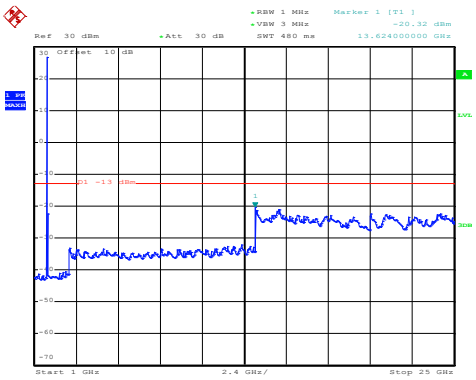
1GHz~25GHz

High channel




Date: 15.MAY.2020 18:26:27

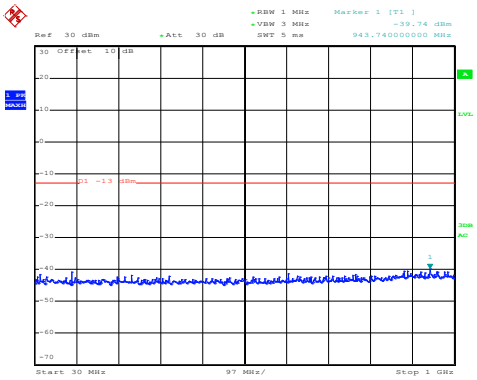
30MHz~1GHz




Date: 18.MAY.2020 20:42:16

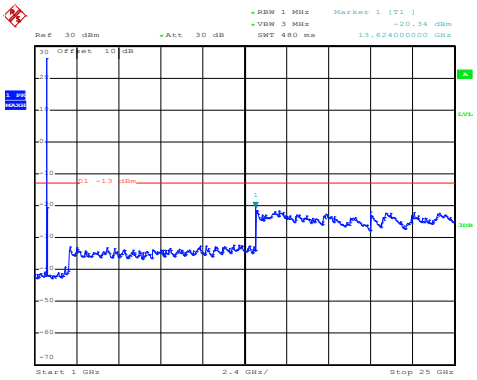
1GHz~25GHz

LTE Band 66: QPSK & RB Size 1
BW: 20MHz
Lowest channel




Date: 15.MAY.2020 18:25:49

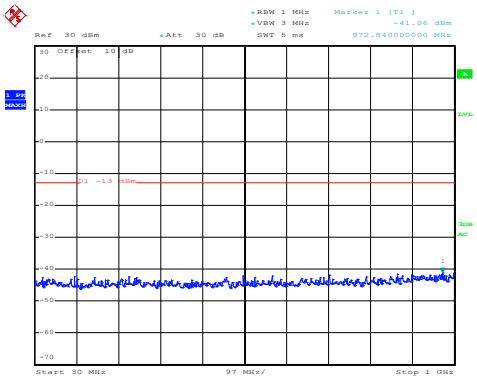
30MHz~1GHz




Date: 18.MAY.2020 20:40:53

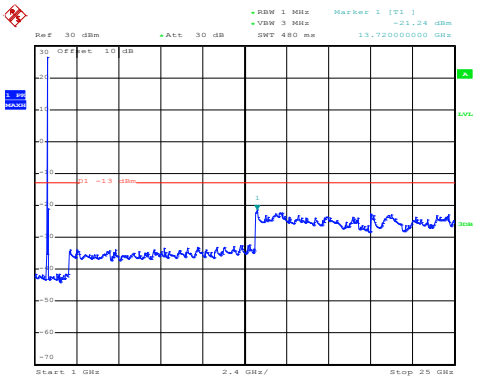
1GHz~25GHz

Middle channel




Date: 15.MAY.2020 18:26:07

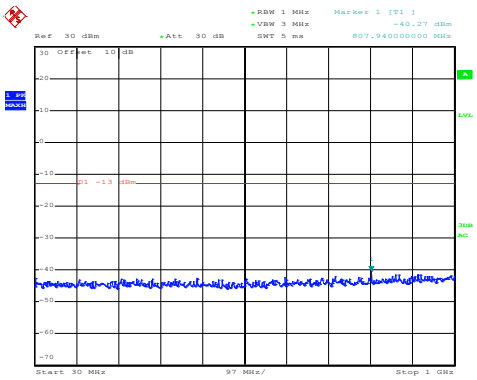
30MHz~1GHz




Date: 18.MAY.2020 20:41:20

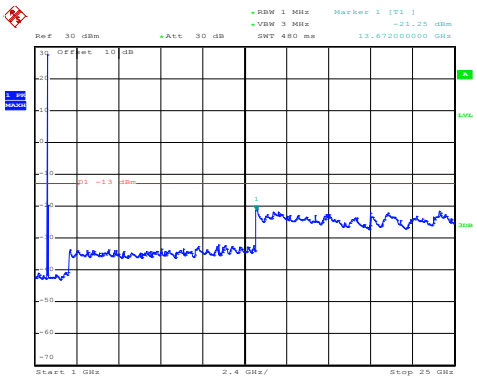
1GHz~25GHz

High channel




Date: 15.MAY.2020 18:26:23

30MHz~1GHz

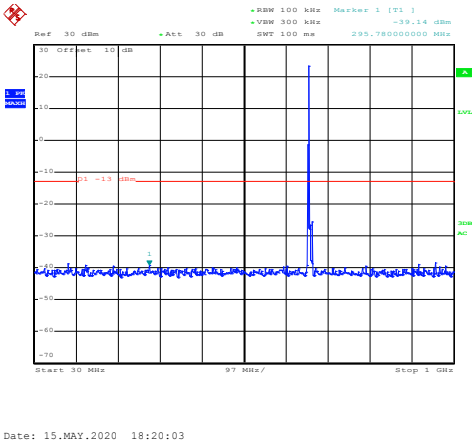



Date: 18.MAY.2020 20:41:59

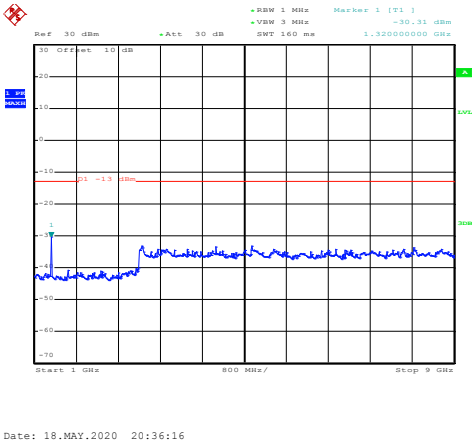
1GHz~25GHz

**LTE Band 71 part:**

LTE Band 71: 16 QAM & RB Size 1
BW: 5MHz
Lowest channel

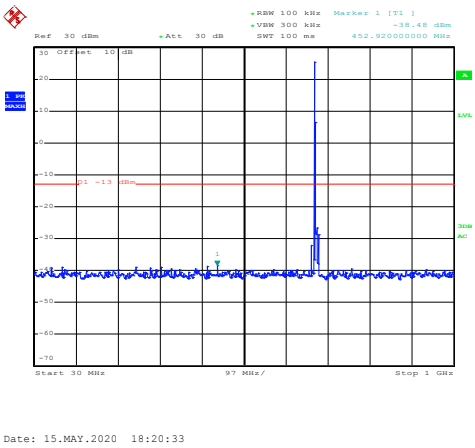



30MHz~1GHz

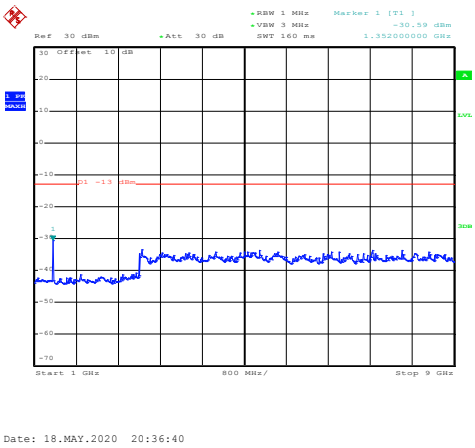



1GHz~25GHz

Middle channel

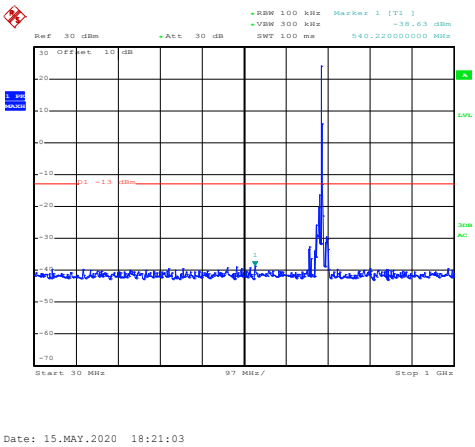



30MHz~1GHz

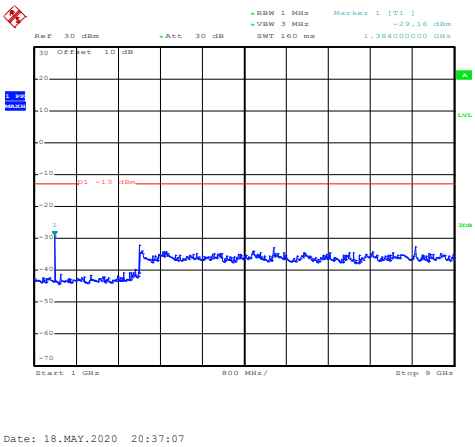



1GHz~25GHz

High channel

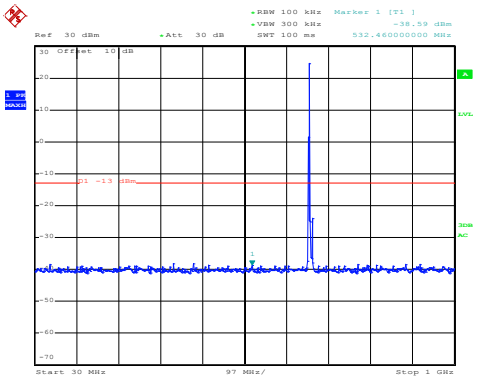



30MHz~1GHz



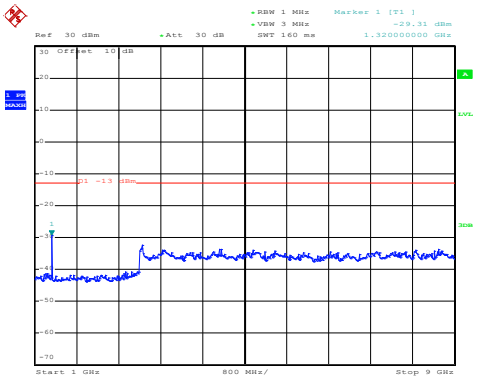

1GHz~25GHz

LTE Band 71: QPSK & RB Size 1
BW: 5MHz
Lowest channel




Date: 15.MAY.2020 18:19:51

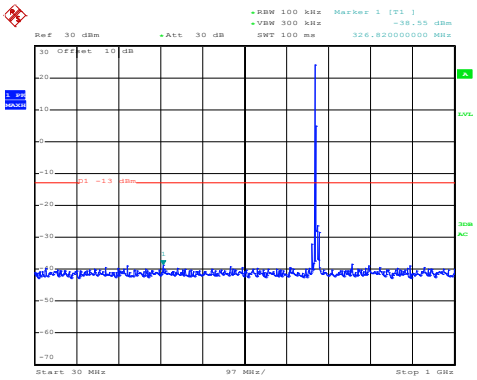
30MHz~1GHz




Date: 18.MAY.2020 20:36:08

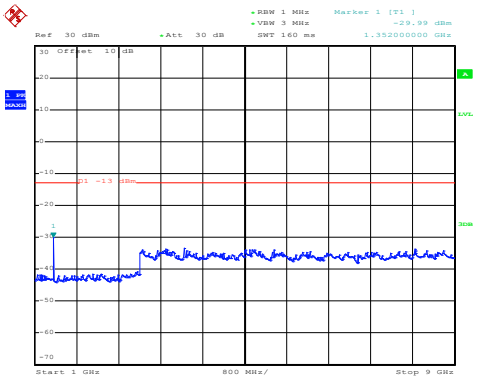
1GHz~25GHz

Middle channel




Date: 15.MAY.2020 18:20:22

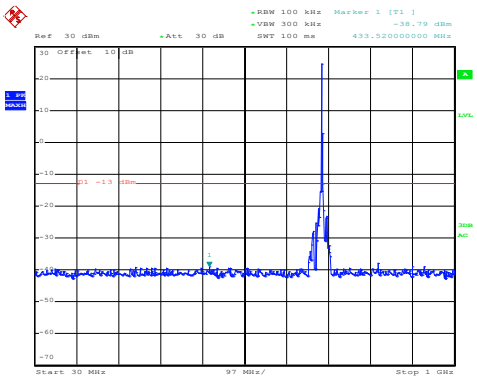
30MHz~1GHz




Date: 18.MAY.2020 20:36:29

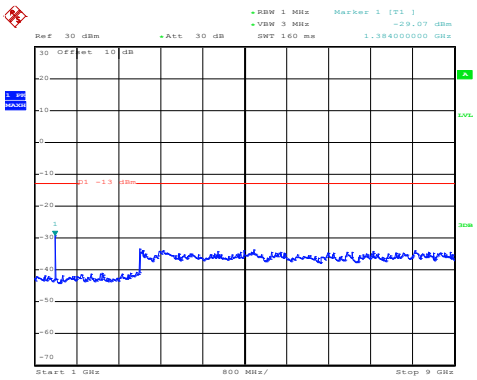
1GHz~25GHz

High channel




Date: 15.MAY.2020 18:20:54

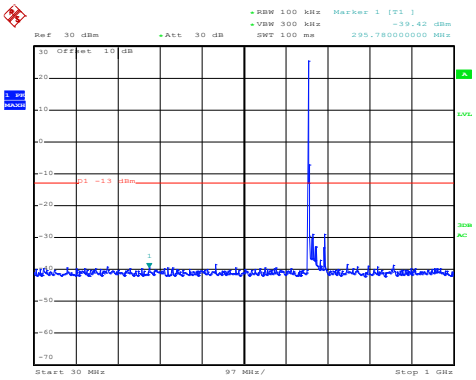
30MHz~1GHz




Date: 18.MAY.2020 20:37:01

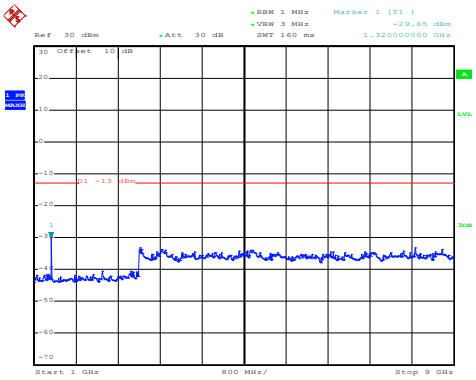
1GHz~25GHz

LTE Band 71: 16 QAM & RB Size 1
BW: 20MHz
Lowest channel




Date: 15.MAY.2020 18:22:00

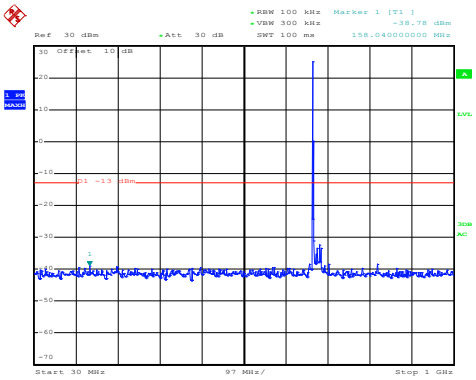
30MHz~1GHz




Date: 18.MAY.2020 20:35:10

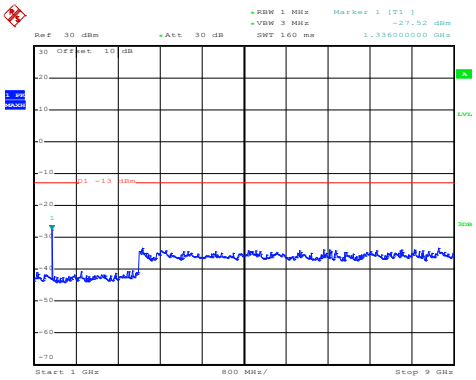
1GHz~25GHz

Middle channel




Date: 15.MAY.2020 18:23:11

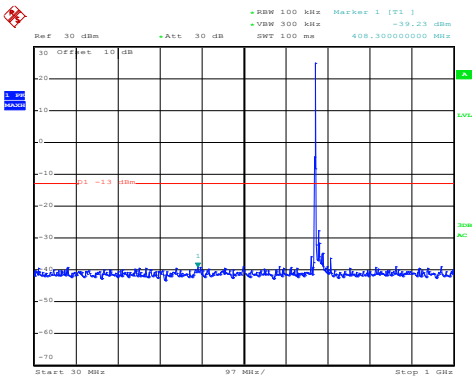
30MHz~1GHz




Date: 18.MAY.2020 20:34:41

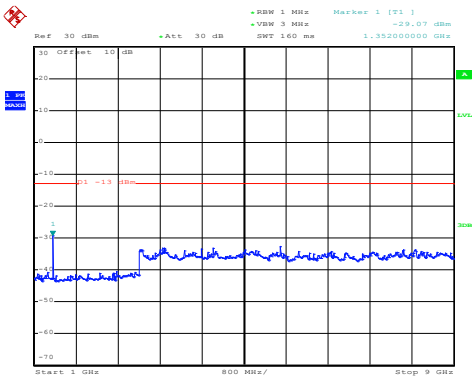
1GHz~25GHz

High channel




Date: 15.MAY.2020 18:23:43

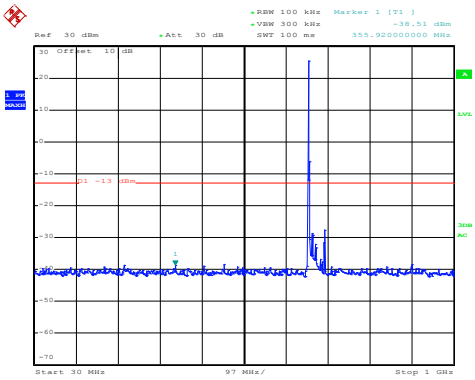
30MHz~1GHz




Date: 18.MAY.2020 20:34:10

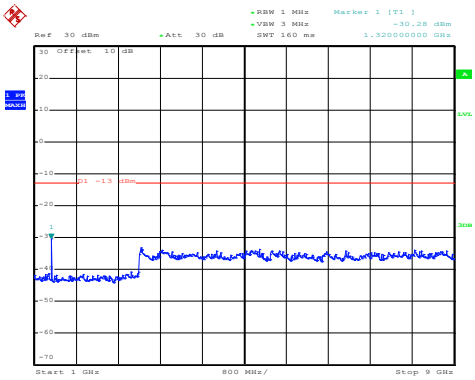
1GHz~25GHz

LTE Band 71: QPSK & RB Size 1
BW: 20MHz
Lowest channel




Date: 15.MAY.2020 18:21:47

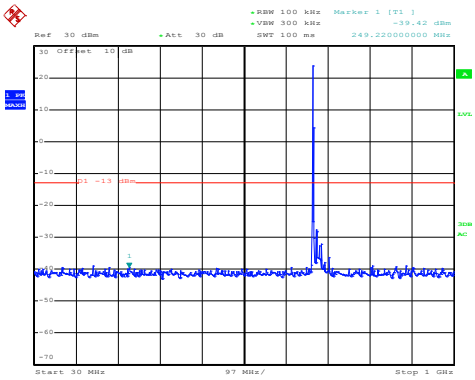
30MHz~1GHz




Date: 18.MAY.2020 20:34:59

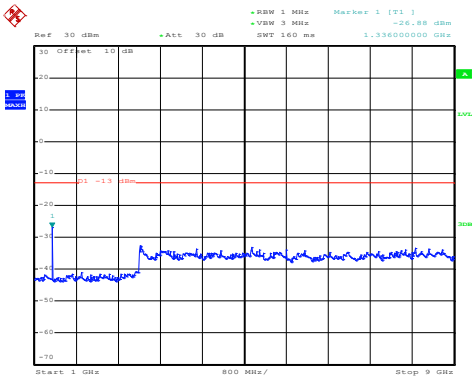
1GHz~25GHz

Middle channel




Date: 15.MAY.2020 18:22:59

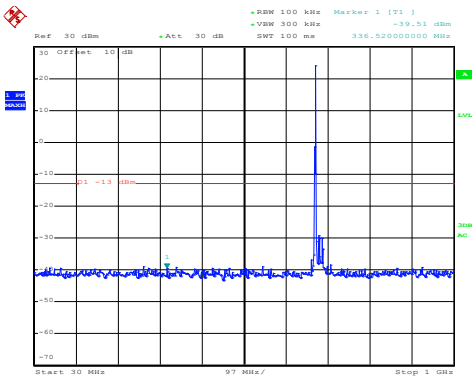
30MHz~1GHz




Date: 18.MAY.2020 20:34:29

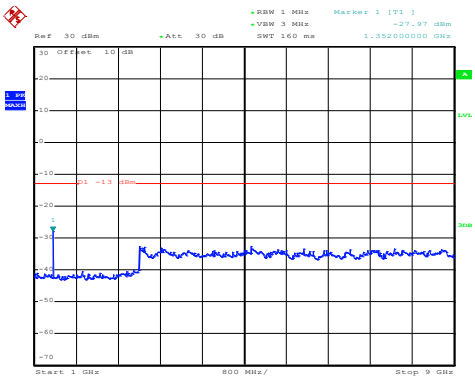
1GHz~25GHz

High channel




Date: 15.MAY.2020 18:23:31

30MHz~1GHz



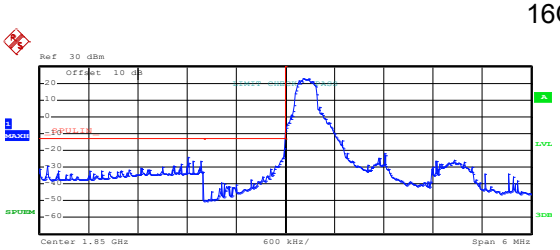

Date: 18.MAY.2020 20:33:55

1GHz~25GHz

**Band edge emission:**

**LTE Band 2 part:**

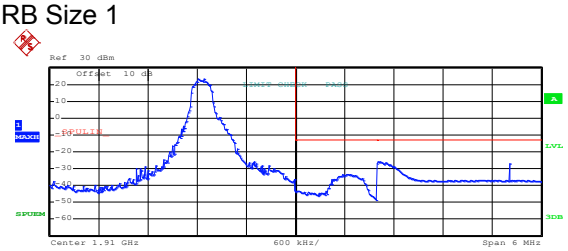
LTE Band 2, BW: 1.4MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.847 G | 1.849 G | 1.00 M | 1.848806 G | -24.20 | -11.20 |
| 1.849 G | 1.850 G | 30.00 k | 1.849992 G | -20.30 | -7.30 |
| 1.850 G | 1.853 G | 100.00 k | 1.850225 G | 22.55 | -10.45 |

Date: 15.MAY.2020 08:43:45

Lowest channel

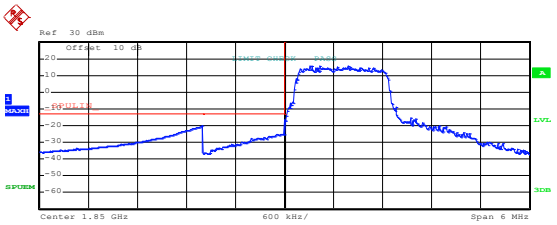



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.907 G | 1.910 G | 100.00 k | 1.908881 G | 23.45 | -9.55 |
| 1.910 G | 1.911 G | 30.00 k | 1.910676 G | -33.18 | -20.18 |
| 1.911 G | 1.913 G | 1.00 M | 1.911006 G | -25.58 | -12.58 |

Date: 15.MAY.2020 08:44:29

Highest channel

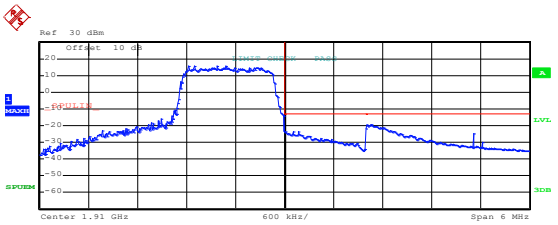
16QAM & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.847 G | 1.849 G | 1.00 M | 1.849000 G | -20.24 | -7.24 |
| 1.849 G | 1.850 G | 30.00 k | 1.849968 G | -25.10 | -12.10 |
| 1.850 G | 1.853 G | 100.00 k | 1.850312 G | 15.96 | -17.04 |

Date: 15.MAY.2020 08:44:00

Lowest channel



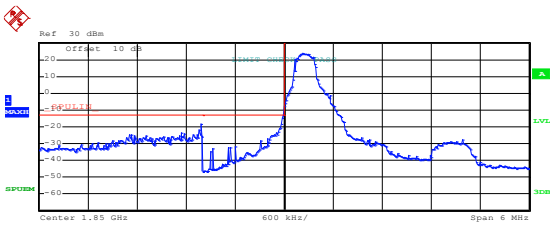

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.907 G | 1.910 G | 100.00 k | 1.909277 G | 15.93 | -17.07 |
| 1.910 G | 1.911 G | 30.00 k | 1.910014 G | -22.85 | -9.85 |
| 1.911 G | 1.913 G | 1.00 M | 1.911062 G | -19.45 | -6.45 |

Date: 15.MAY.2020 08:44:16

Highest channel

LTE Band 2, BW: 1.4MHz

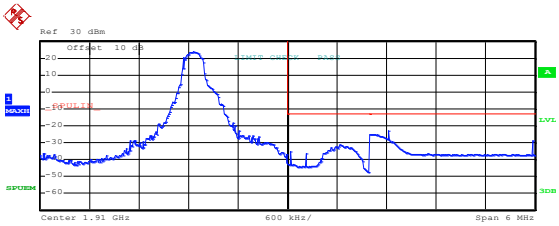
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.847 G | 1.849 G | 1.00 M | 1.848980 G | -18.34 | -5.34 |
| 1.849 G | 1.850 G | 30.00 k | 1.849998 G | -13.01 | -0.01 |
| 1.850 G | 1.853 G | 100.00 k | 1.850231 G | 23.76 | -9.24 |

Date: 15.MAY.2020 08:43:25

Lowest channel

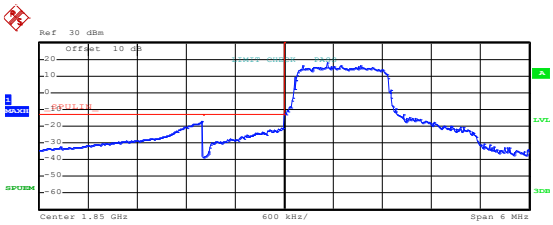



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.907 G | 1.910 G | 100.00 k | 1.908860 G | 23.77 | -9.23 |
| 1.910 G | 1.911 G | 30.00 k | 1.910635 G | -31.07 | -18.07 |
| 1.911 G | 1.913 G | 1.00 M | 1.911226 G | -22.63 | -9.63 |

Date: 15.MAY.2020 08:44:23

Highest channel

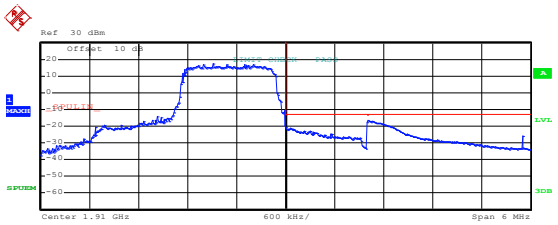
QPSK & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.847 G | 1.849 G | 1.00 M | 1.849000 G | -16.97 | -3.97 |
| 1.849 G | 1.850 G | 30.00 k | 1.849984 G | -21.16 | -8.16 |
| 1.850 G | 1.853 G | 100.00 k | 1.850522 G | 17.99 | -15.01 |

Date: 15.MAY.2020 08:43:55

Lowest channel

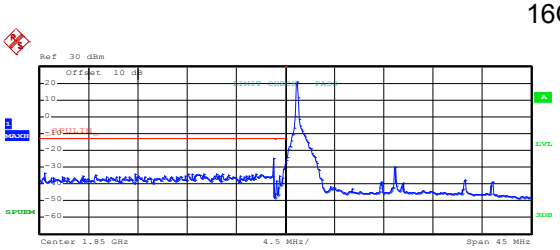



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.907 G | 1.910 G | 100.00 k | 1.909109 G | 17.44 | -15.56 |
| 1.910 G | 1.911 G | 30.00 k | 1.910005 G | -20.36 | -7.36 |
| 1.911 G | 1.913 G | 1.00 M | 1.911008 G | -16.61 | -3.61 |

Date: 15.MAY.2020 08:44:11

Highest channel

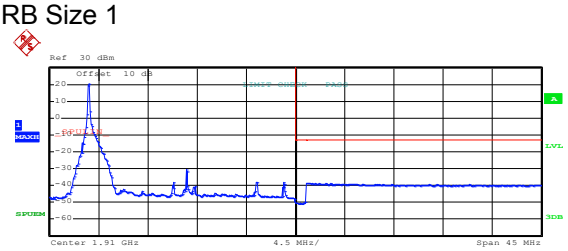
LTE Band 2, BW: 20MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.827 G | 1.849 G | 1.00 M | 1.848979 G | -24.50 | -11.50 |
| 1.849 G | 1.850 G | 30.00 k | 1.849826 G | -31.22 | -18.22 |
| 1.850 G | 1.873 G | 100.00 k | 1.851058 G | 20.97 | -12.03 |

Date: 15.MAY.2020 09:05:59

Lowest channel

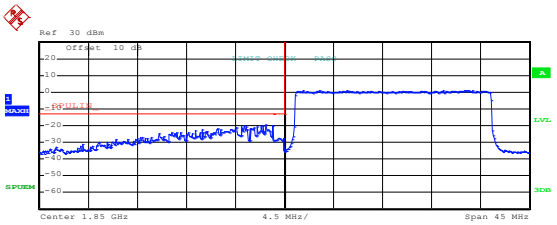



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.888 G | 1.910 G | 100.00 k | 1.891100 G | 20.15 | -12.85 |
| 1.910 G | 1.911 G | 30.00 k | 1.910978 G | -49.74 | -36.74 |
| 1.911 G | 1.933 G | 1.00 M | 1.911774 G | -38.48 | -25.48 |

Date: 15.MAY.2020 09:06:40

Highest channel

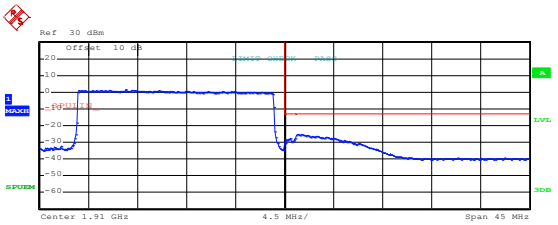
16QAM & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.827 G | 1.849 G | 1.00 M | 1.848312 G | -19.40 | -6.40 |
| 1.849 G | 1.850 G | 300.00 k | 1.849605 G | -27.58 | -14.58 |
| 1.850 G | 1.873 G | 100.00 k | 1.866763 G | 1.23 | -31.77 |

Date: 15.MAY.2020 09:06:19

Lowest channel

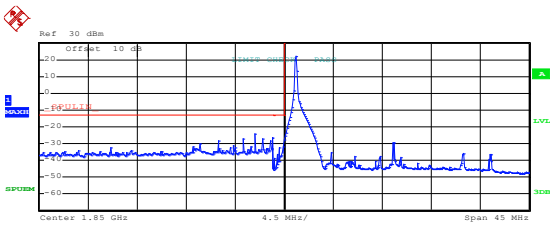



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.888 G | 1.910 G | 100.00 k | 1.895420 G | 1.50 | -31.50 |
| 1.910 G | 1.911 G | 300.00 k | 1.910492 G | -27.55 | -14.55 |
| 1.911 G | 1.933 G | 1.00 M | 1.911151 G | -25.00 | -12.00 |

Date: 15.MAY.2020 09:06:59

Highest channel

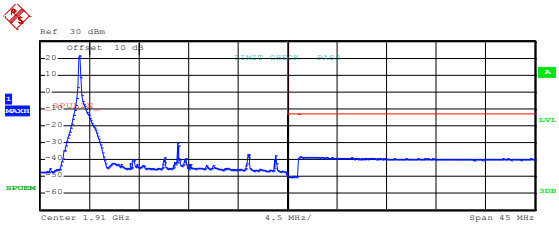
LTE Band 2, BW: 20MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.827 G | 1.849 G | 1.00 M | 1.847301 G | -23.90 | -10.90 |
| 1.849 G | 1.850 G | 30.00 k | 1.849997 G | -31.83 | -18.83 |
| 1.850 G | 1.873 G | 100.00 k | 1.851080 G | 21.93 | -11.07 |

Date: 15.MAY.2020 09:05:52

Lowest channel

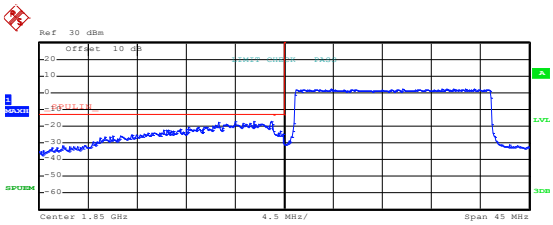



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.888 G | 1.910 G | 100.00 k | 1.891078 G | 21.73 | -11.27 |
| 1.910 G | 1.911 G | 30.00 k | 1.910747 G | -49.59 | -36.59 |
| 1.911 G | 1.933 G | 1.00 M | 1.911108 G | -38.12 | -25.12 |

Date: 15.MAY.2020 09:06:33

Highest channel

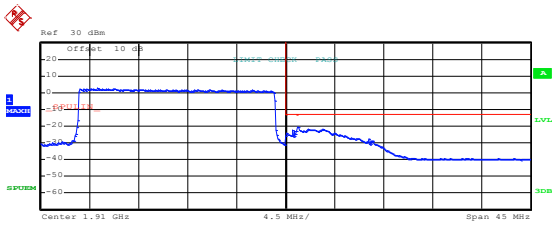
QPSK & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.827 G | 1.849 G | 1.00 M | 1.847173 G | -16.81 | -3.81 |
| 1.849 G | 1.850 G | 300.00 k | 1.849089 G | -22.28 | -9.28 |
| 1.850 G | 1.873 G | 100.00 k | 1.865525 G | 2.25 | -30.75 |

Date: 15.MAY.2020 09:06:13

Lowest channel



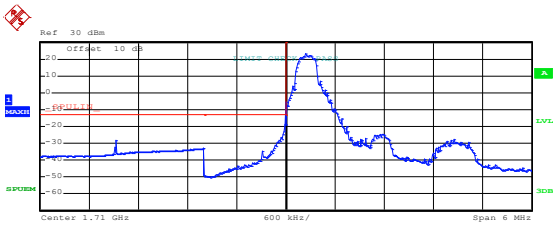

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.888 G | 1.910 G | 100.00 k | 1.892743 G | 2.94 | -30.06 |
| 1.910 G | 1.911 G | 300.00 k | 1.910613 G | -22.35 | -9.35 |
| 1.911 G | 1.933 G | 1.00 M | 1.911064 G | -20.46 | -7.46 |

Date: 15.MAY.2020 09:06:54

Highest channel

**LTE Band 4 part:**

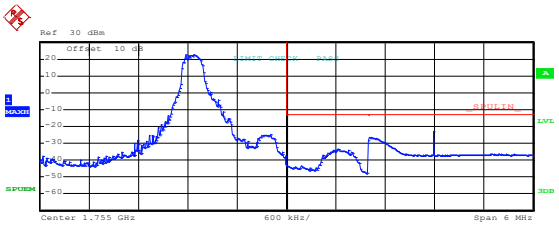
LTE Band 4, BW: 1.4MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.707919 G | -28.37 | -15.37 |
| 1.709 G | 1.710 G | 30.00 k | 1.709984 G | -21.43 | -8.43 |
| 1.710 G | 1.713 G | 100.00 k | 1.710240 G | 23.41 | -9.59 |

Date: 15.MAY.2020 08:46:51

Lowest channel

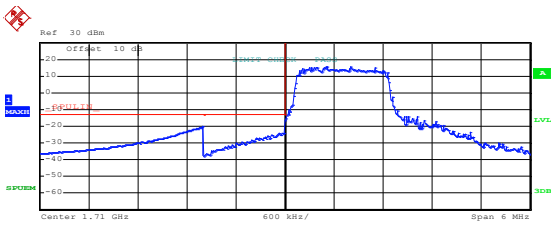



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.753779 G | 22.66 | -10.34 |
| 1.755 G | 1.756 G | 30.00 k | 1.755635 G | -33.25 | -20.25 |
| 1.756 G | 1.758 G | 1.00 M | 1.756788 G | -22.72 | -9.72 |

Date: 15.MAY.2020 08:47:40

Highest channel

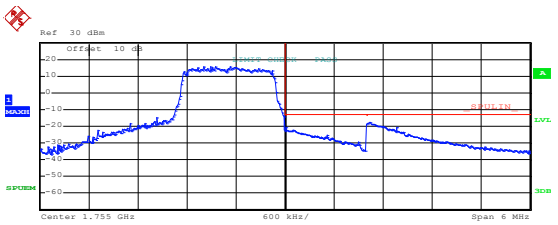
16QAM & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.709000 G | -20.08 | -7.08 |
| 1.709 G | 1.710 G | 30.00 k | 1.709919 G | -24.19 | -11.19 |
| 1.710 G | 1.713 G | 100.00 k | 1.710801 G | 15.69 | -17.31 |

Date: 15.MAY.2020 08:47:04

Lowest channel



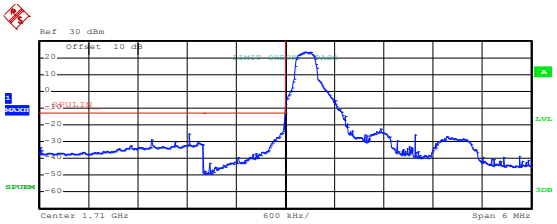

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.754328 G | 15.57 | -17.43 |
| 1.755 G | 1.756 G | 30.00 k | 1.755013 G | -20.77 | -7.77 |
| 1.756 G | 1.758 G | 1.00 M | 1.756026 G | -17.85 | -4.85 |

Date: 15.MAY.2020 08:47:23

Highest channel

LTE Band 4, BW: 1.4MHz

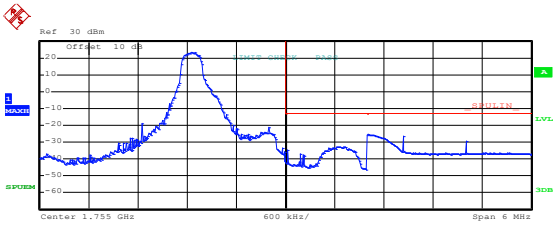
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.708823 G | -25.48 | -12.48 |
| 1.709 G | 1.710 G | 30.00 k | 1.709992 G | -18.28 | -5.28 |
| 1.710 G | 1.713 G | 100.00 k | 1.710294 G | 23.44 | -9.56 |

Date: 15.MAY.2020 08:46:45

Lowest channel

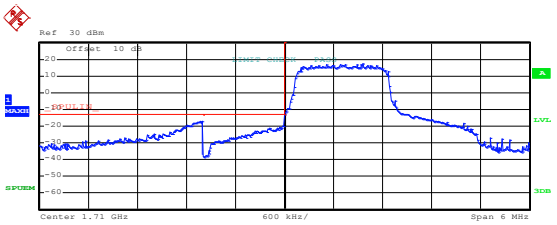



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.753842 G | 23.35 | -9.65 |
| 1.755 G | 1.756 G | 30.00 k | 1.755646 G | -32.61 | -19.61 |
| 1.756 G | 1.758 G | 1.00 M | 1.756008 G | -25.47 | -12.47 |

Date: 15.MAY.2020 08:47:35

Highest channel

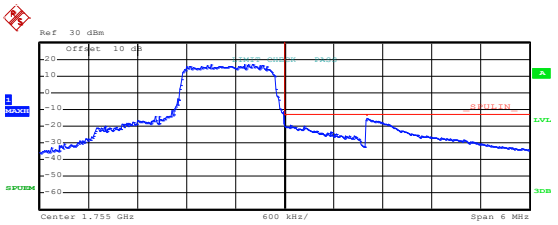
QPSK & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.708968 G | -16.84 | -3.84 |
| 1.709 G | 1.710 G | 30.00 k | 1.709968 G | -20.23 | -7.23 |
| 1.710 G | 1.713 G | 100.00 k | 1.710957 G | 17.17 | -15.83 |

Date: 15.MAY.2020 08:47:00

Lowest channel

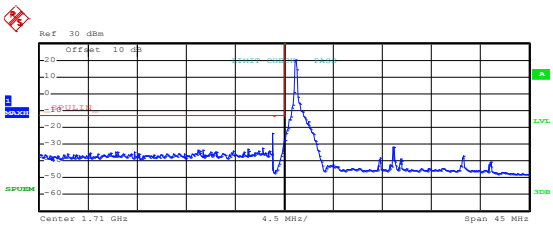



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.752 G | 1.755 G | 100.00 k | 1.754103 G | 16.96 | -16.04 |
| 1.755 G | 1.756 G | 30.00 k | 1.755074 G | -19.46 | -6.46 |
| 1.756 G | 1.758 G | 1.00 M | 1.756012 G | -15.46 | -2.46 |

Date: 15.MAY.2020 08:47:18

Highest channel

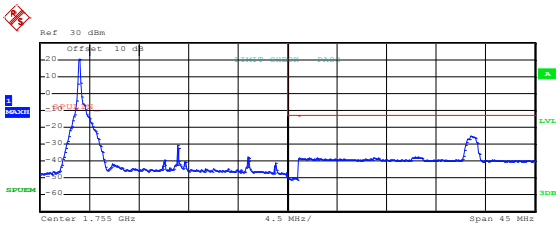
LTE Band 4, BW: 20MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.708914 G | -23.58 | -10.58 |
| 1.709 G | 1.710 G | 30.00 k | 1.709968 G | -31.61 | -18.61 |
| 1.710 G | 1.732 G | 100.00 k | 1.711057 G | 20.27 | -12.73 |

Date: 15.MAY.2020 09:07:36

Lowest channel

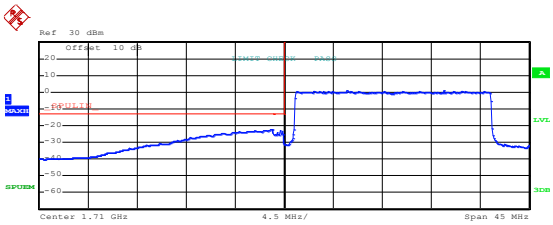



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 1.732 G | 1.755 G | 100.00 k | 1.736123 G | 20.52 | -12.48 |
| 1.755 G | 1.756 G | 30.00 k | 1.755033 G | -49.86 | -36.86 |
| 1.756 G | 1.778 G | 1.00 M | 1.771738 G | -25.45 | -12.45 |

Date: 15.MAY.2020 09:08:28

Highest channel

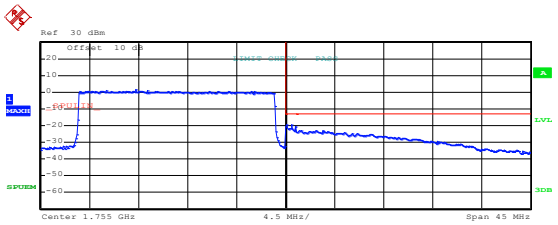
16QAM & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.708827 G | -22.21 | -9.21 |
| 1.709 G | 1.710 G | 300.00 k | 1.709589 G | -22.92 | -9.92 |
| 1.710 G | 1.732 G | 100.00 k | 1.724648 G | 1.09 | -31.91 |

Date: 15.MAY.2020 09:08:08

Lowest channel

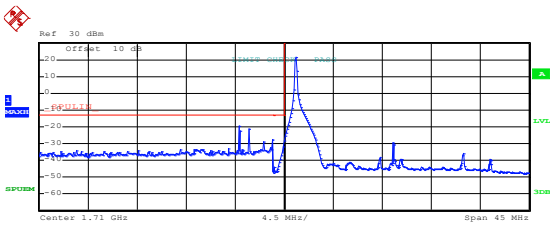



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 1.732 G | 1.755 G | 100.00 k | 1.741185 G | 1.39 | -31.61 |
| 1.755 G | 1.756 G | 300.00 k | 1.755524 G | -19.40 | -6.40 |
| 1.756 G | 1.778 G | 1.00 M | 1.757226 G | -22.21 | -9.21 |

Date: 15.MAY.2020 09:10:48

Highest channel

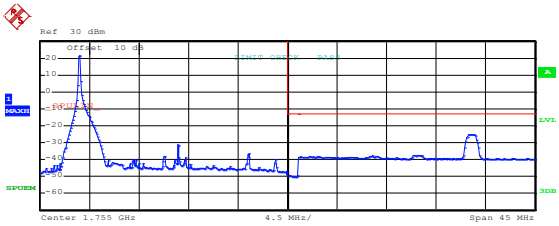
LTE Band 4, BW: 20MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.705861 G | -19.14 | -6.14 |
| 1.709 G | 1.710 G | 30.00 k | 1.709987 G | -31.91 | -18.91 |
| 1.710 G | 1.732 G | 100.00 k | 1.711080 G | 21.60 | -11.40 |

Date: 15.MAY.2020 09:07:30

Lowest channel

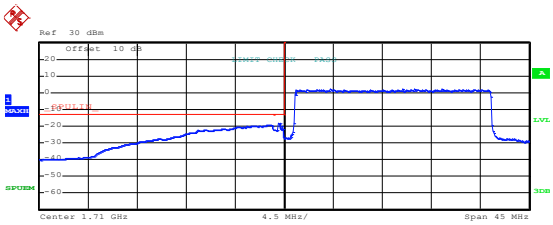



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.732 G | 1.755 G | 100.00 k | 1.736100 G | 21.75 | -11.25 |
| 1.755 G | 1.756 G | 30.00 k | 1.756000 G | -49.15 | -36.15 |
| 1.756 G | 1.778 G | 1.00 M | 1.771953 G | -25.16 | -12.16 |

Date: 15.MAY.2020 09:08:22

Highest channel

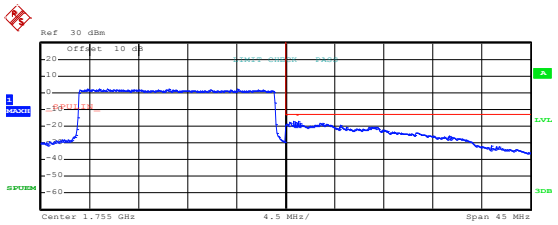
QPSK & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.708653 G | -19.38 | -6.38 |
| 1.709 G | 1.710 G | 300.00 k | 1.709468 G | -18.47 | -5.47 |
| 1.710 G | 1.732 G | 100.00 k | 1.714208 G | 2.22 | -30.78 |

Date: 15.MAY.2020 09:08:04

Lowest channel



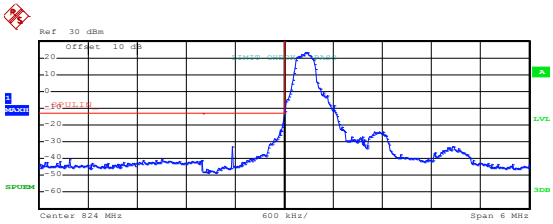

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.732 G | 1.755 G | 100.00 k | 1.737855 G | 2.30 | -30.70 |
| 1.755 G | 1.756 G | 300.00 k | 1.755700 G | -17.23 | -4.23 |
| 1.756 G | 1.778 G | 1.00 M | 1.756107 G | -17.29 | -4.29 |

Date: 15.MAY.2020 09:08:42

Highest channel

**LTE Band 5 part:**

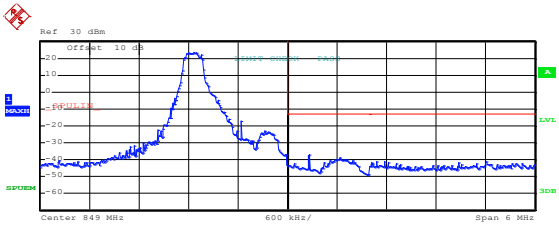
LTE Band 5, BW: 1.4MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 821.000 M | 823.000 M | 100.00 k | 821.374000 M | -40.50 | -27.50 |
| 823.000 M | 824.000 M | 30.00 k | 823.993000 M | -18.00 | -5.00 |
| 824.000 M | 827.000 M | 100.00 k | 824.291000 M | 23.44 | -9.56 |

Date: 15.MAY.2020 08:49:45

Lowest channel

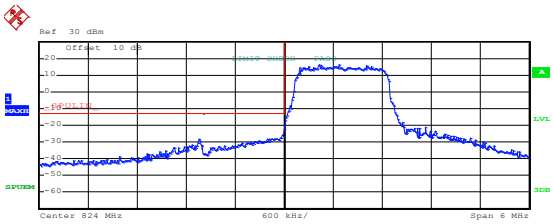



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 846.000 M | 849.000 M | 100.00 k | 847.869000 M | 23.41 | -9.59 |
| 849.000 M | 850.000 M | 30.00 k | 849.269000 M | -37.01 | -24.01 |
| 850.000 M | 852.000 M | 100.00 k | 850.174000 M | -40.80 | -27.80 |

Date: 15.MAY.2020 08:50:48

Highest channel

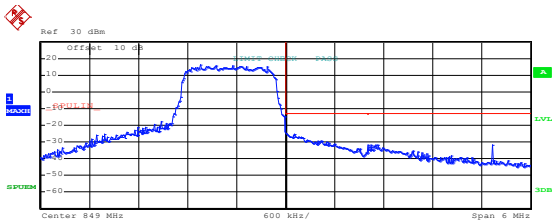
16QAM & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 821.000 M | 823.000 M | 100.00 k | 822.960000 M | -28.19 | -15.19 |
| 823.000 M | 824.000 M | 30.00 k | 823.981000 M | -26.13 | -13.13 |
| 824.000 M | 827.000 M | 100.00 k | 824.429000 M | 16.27 | -16.73 |

Date: 15.MAY.2020 08:49:59

Lowest channel



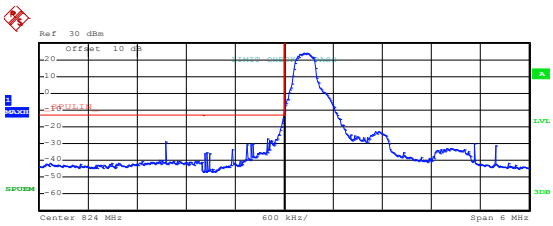

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 846.000 M | 849.000 M | 100.00 k | 847.956000 M | 16.02 | -16.98 |
| 849.000 M | 850.000 M | 30.00 k | 849.001000 M | -24.78 | -11.78 |
| 850.000 M | 852.000 M | 100.00 k | 850.106000 M | -31.60 | -18.60 |

Date: 15.MAY.2020 08:50:16

Highest channel

LTE Band 5, BW: 1.4MHz

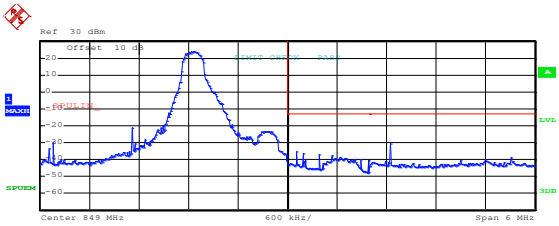
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 821.000 M | 823.000 M | 100.00 k | 822.546000 M | -28.58 | -15.58 |
| 823.000 M | 824.000 M | 30.00 k | 823.996000 M | -14.96 | -1.96 |
| 824.000 M | 827.000 M | 100.00 k | 824.237000 M | 23.76 | -9.24 |

Date: 15.MAY.2020 08:49:38

Lowest channel

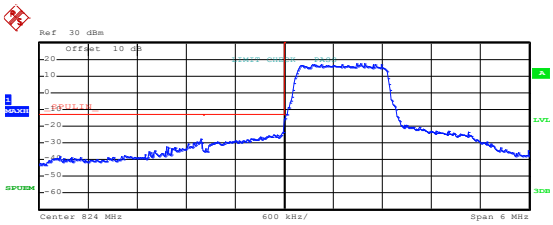



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 846.000 M | 849.000 M | 100.00 k | 847.869000 M | 23.91 | -9.09 |
| 849.000 M | 850.000 M | 30.00 k | 849.106000 M | -35.40 | -22.40 |
| 850.000 M | 852.000 M | 100.00 k | 850.242000 M | -30.67 | -17.67 |

Date: 15.MAY.2020 08:50:32

Highest channel

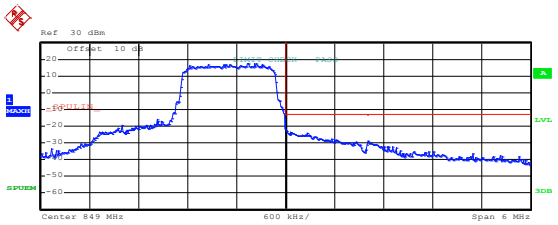
QPSK & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 821.000 M | 823.000 M | 100.00 k | 822.974000 M | -27.38 | -14.38 |
| 823.000 M | 824.000 M | 30.00 k | 823.989000 M | -23.80 | -10.80 |
| 824.000 M | 827.000 M | 100.00 k | 824.930000 M | 17.66 | -15.34 |

Date: 15.MAY.2020 08:49:54

Lowest channel

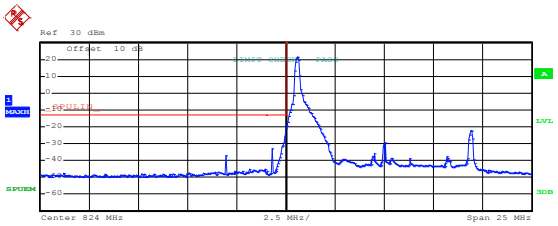



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 846.000 M | 849.000 M | 100.00 k | 848.547000 M | 17.47 | -15.53 |
| 849.000 M | 850.000 M | 30.00 k | 849.001000 M | -22.19 | -9.19 |
| 850.000 M | 852.000 M | 100.00 k | 850.004000 M | -28.96 | -15.96 |

Date: 15.MAY.2020 08:50:12

Highest channel

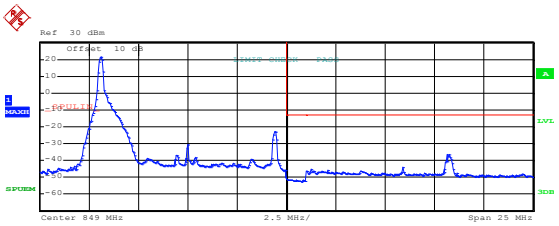
LTE Band 5, BW: 10MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 811.500 M | 823.000 M | 100.00 k | 820.953000 M | -36.84 | -23.84 |
| 823.000 M | 824.000 M | 30.00 k | 823.998000 M | -25.76 | -12.76 |
| 824.000 M | 836.500 M | 100.00 k | 824.575000 M | 21.36 | -11.64 |

Date: 15.MAY.2020 09:04:06

Lowest channel

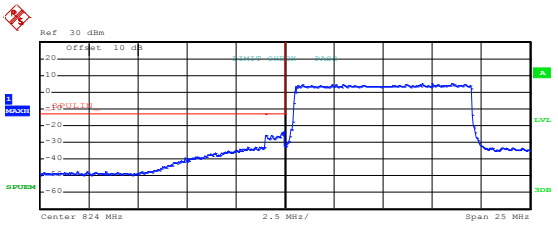



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 836.500 M | 849.000 M | 100.00 k | 839.612500 M | 21.29 | -11.71 |
| 849.000 M | 850.000 M | 30.00 k | 849.314516 M | -51.22 | -38.22 |
| 850.000 M | 861.500 M | 100.00 k | 857.256500 M | -36.13 | -23.13 |

Date: 15.MAY.2020 09:04:52

Highest channel

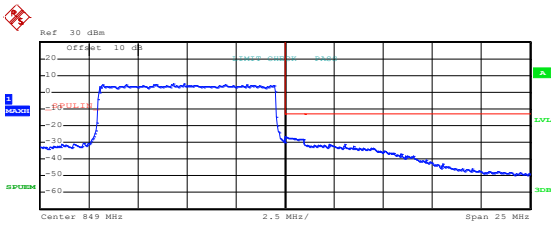
16QAM & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 811.500 M | 823.000 M | 100.00 k | 822.781500 M | -32.78 | -19.78 |
| 823.000 M | 824.000 M | 300.00 k | 823.935484 M | -23.72 | -10.72 |
| 824.000 M | 836.500 M | 100.00 k | 832.525000 M | 5.35 | -27.65 |

Date: 15.MAY.2020 09:04:30

Lowest channel



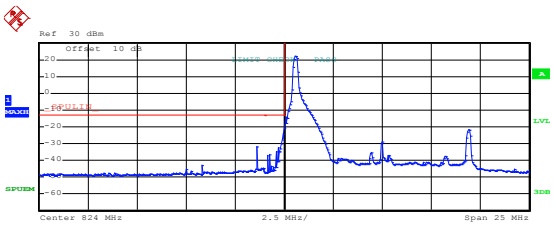

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 836.500 M | 849.000 M | 100.00 k | 843.837500 M | 5.02 | -27.98 |
| 849.000 M | 850.000 M | 300.00 k | 849.016129 M | -26.41 | -13.41 |
| 850.000 M | 861.500 M | 100.00 k | 850.023000 M | -31.11 | -18.11 |

Date: 15.MAY.2020 09:05:09

Highest channel

LTE Band 5, BW: 10MHz

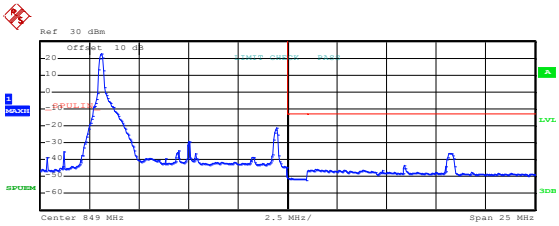
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 811.500 M | 823.000 M | 100.00 k | 822.574500 M | -31.82 | -18.82 |
| 823.000 M | 824.000 M | 30.00 k | 823.991000 M | -24.31 | -11.31 |
| 824.000 M | 836.500 M | 100.00 k | 824.575000 M | 22.38 | -10.62 |

Date: 15.MAY.2020 09:03:59

Lowest channel

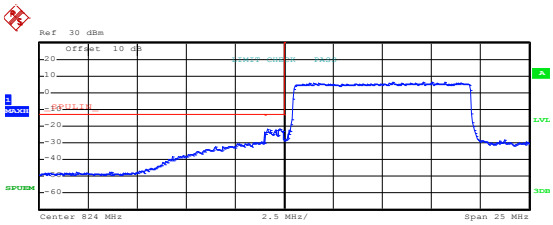



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 836.500 M | 849.000 M | 100.00 k | 839.575000 M | 22.75 | -10.25 |
| 849.000 M | 850.000 M | 30.00 k | 849.064516 M | -50.80 | -37.80 |
| 850.000 M | 861.500 M | 100.00 k | 857.153000 M | -36.38 | -23.38 |

Date: 15.MAY.2020 09:04:46

Highest channel

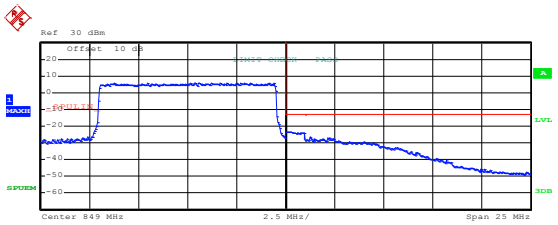
QPSK & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 811.500 M | 823.000 M | 100.00 k | 822.850500 M | -29.55 | -16.55 |
| 823.000 M | 824.000 M | 300.00 k | 823.145161 M | -21.52 | -8.52 |
| 824.000 M | 836.500 M | 100.00 k | 832.187500 M | 6.08 | -26.92 |

Date: 15.MAY.2020 09:04:25

Lowest channel



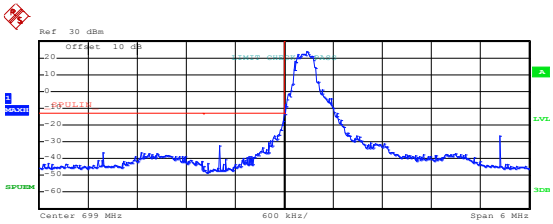

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 836.500 M | 849.000 M | 100.00 k | 844.525000 M | 5.95 | -27.05 |
| 849.000 M | 850.000 M | 300.00 k | 849.024194 M | -23.38 | -10.38 |
| 850.000 M | 861.500 M | 100.00 k | 850.253000 M | -26.40 | -13.40 |

Date: 15.MAY.2020 09:05:05

Highest channel

**LTE band 12 part:**

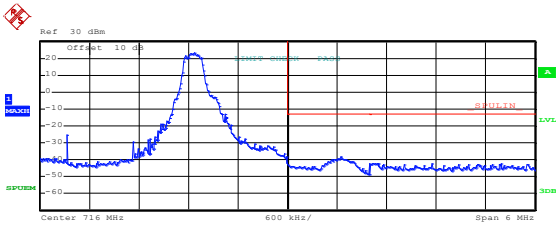
LTE Band 12, BW: 1.4MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 696.000 M | 698.000 M | 100.00 k | 697.248000 M | -36.24 | -23.24 |
| 698.000 M | 699.000 M | 30.00 k | 698.989000 M | -17.60 | -4.60 |
| 699.000 M | 702.000 M | 100.00 k | 699.276000 M | 23.77 | -9.23 |

Date: 15.MAY.2020 08:52:01

Lowest channel

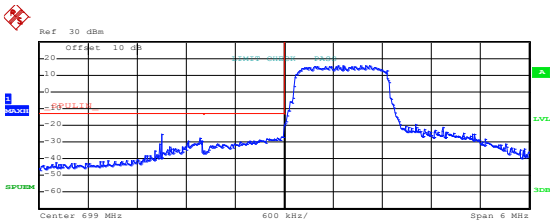



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 713.000 M | 716.000 M | 100.00 k | 714.875000 M | 23.05 | -9.95 |
| 716.000 M | 717.000 M | 30.00 k | 716.647000 M | -37.95 | -24.95 |
| 717.000 M | 719.000 M | 100.00 k | 717.104000 M | -42.02 | -29.02 |

Date: 15.MAY.2020 08:52:45

Highest channel

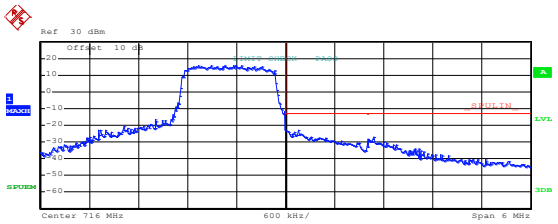
16QAM & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 696.000 M | 698.000 M | 100.00 k | 697.504000 M | -25.44 | -12.44 |
| 698.000 M | 699.000 M | 30.00 k | 698.964000 M | -26.85 | -13.85 |
| 699.000 M | 702.000 M | 100.00 k | 699.714000 M | 15.79 | -17.21 |

Date: 15.MAY.2020 08:52:13

Lowest channel



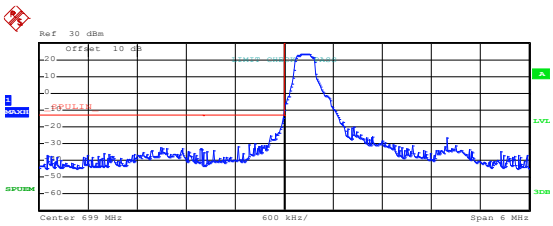

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 713.000 M | 716.000 M | 100.00 k | 715.367000 M | 15.83 | -17.17 |
| 716.000 M | 717.000 M | 30.00 k | 716.160000 M | -23.11 | -10.11 |
| 717.000 M | 719.000 M | 100.00 k | 717.076000 M | -27.23 | -14.23 |

Date: 15.MAY.2020 08:52:32

Highest channel

LTE Band 12, BW: 1.4MHz

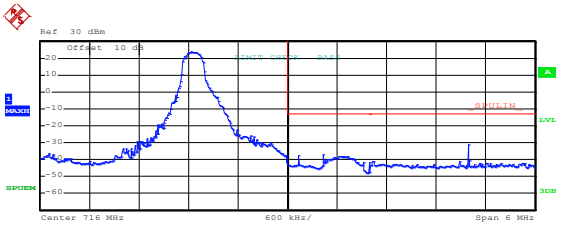
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 696.000 M | 698.000 M | 100.00 k | 697.492000 M | -32.55 | -19.55 |
| 698.000 M | 699.000 M | 30.00 k | 698.998000 M | -14.80 | -1.80 |
| 699.000 M | 702.000 M | 100.00 k | 699.243000 M | 23.35 | -9.65 |

Date: 15.MAY.2020 08:51:55

Lowest channel

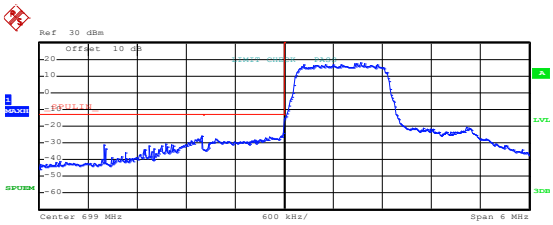



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 713.000 M | 716.000 M | 100.00 k | 714.836000 M | 23.89 | -9.11 |
| 716.000 M | 717.000 M | 30.00 k | 716.432000 M | -36.79 | -23.79 |
| 717.000 M | 719.000 M | 100.00 k | 718.200000 M | -31.26 | -18.26 |

Date: 15.MAY.2020 08:52:40

Highest channel

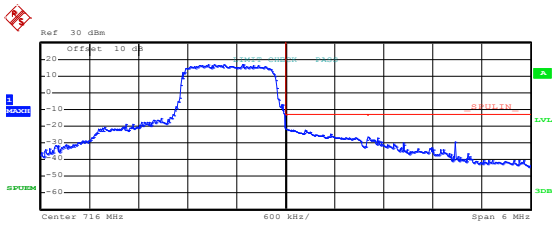
QPSK & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 696.000 M | 698.000 M | 100.00 k | 697.996000 M | -26.09 | -13.09 |
| 698.000 M | 699.000 M | 30.00 k | 698.999000 M | -24.20 | -11.20 |
| 699.000 M | 702.000 M | 100.00 k | 699.930000 M | 17.75 | -15.25 |

Date: 15.MAY.2020 08:52:08

Lowest channel

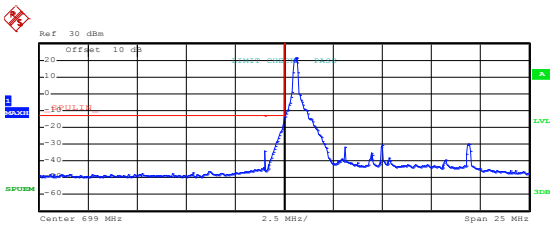



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 713.000 M | 716.000 M | 100.00 k | 715.484000 M | 17.12 | -15.88 |
| 716.000 M | 717.000 M | 30.00 k | 716.008000 M | -21.46 | -8.46 |
| 717.000 M | 719.000 M | 100.00 k | 717.006000 M | -26.22 | -13.22 |

Date: 15.MAY.2020 08:52:27

Highest channel

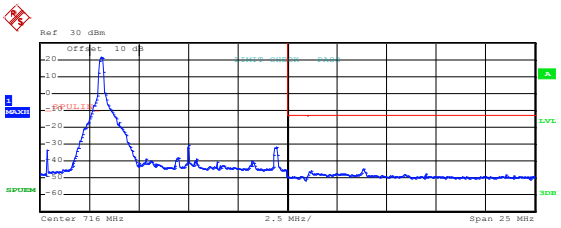
LTE Band 12, BW: 10MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 686.500 M | 698.000 M | 100.00 k | 697.965500 M | -43.88 | -30.88 |
| 698.000 M | 699.000 M | 30.00 k | 698.978000 M | -18.39 | -5.39 |
| 699.000 M | 711.500 M | 100.00 k | 699.625000 M | 21.53 | -11.47 |

Date: 15.MAY.2020 09:02:15

Lowest channel

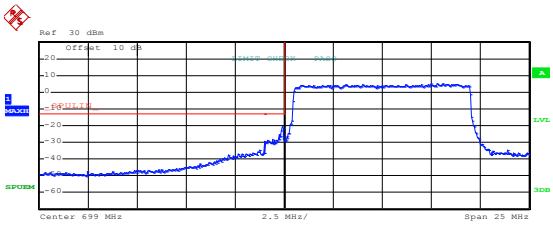



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 703.500 M | 716.000 M | 100.00 k | 706.575000 M | 21.69 | -11.31 |
| 716.000 M | 717.000 M | 30.00 k | 716.249000 M | -48.64 | -35.64 |
| 717.000 M | 728.500 M | 100.00 k | 719.840500 M | -44.66 | -31.66 |

Date: 15.MAY.2020 09:02:58

Highest channel

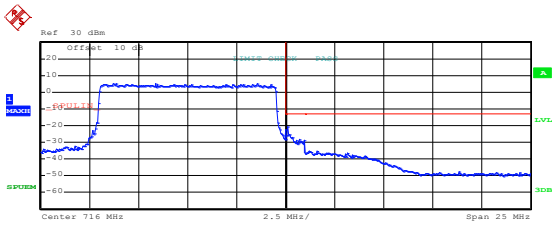
16QAM & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 686.500 M | 698.000 M | 100.00 k | 697.758500 M | -34.76 | -21.76 |
| 698.000 M | 699.000 M | 300.00 k | 698.879032 M | -20.66 | -7.66 |
| 699.000 M | 711.500 M | 100.00 k | 706.812500 M | 5.38 | -27.62 |

Date: 15.MAY.2020 09:02:38

Lowest channel

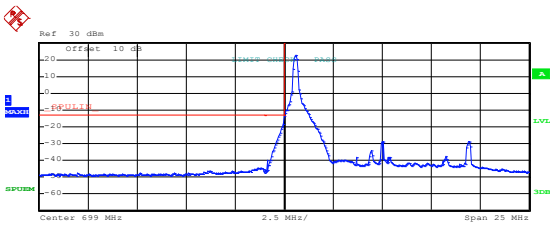



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | Δ Limit [dB] |
|---|---|---|---|---|---|
| 703.500 M | 716.000 M | 100.00 k | 707.212500 M | 5.25 | -27.75 |
| 716.000 M | 717.000 M | 300.00 k | 716.080645 M | -20.69 | -7.69 |
| 717.000 M | 728.500 M | 100.00 k | 717.299000 M | -34.66 | -21.66 |

Date: 15.MAY.2020 09:03:17

Highest channel

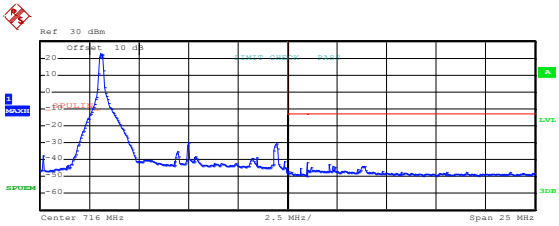
LTE Band 12, BW: 10MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 686.500 M | 698.000 M | 100.00 k | 697.689500 M | -44.64 | -31.64 |
| 698.000 M | 699.000 M | 30.00 k | 698.999000 M | -18.13 | -5.13 |
| 699.000 M | 711.500 M | 100.00 k | 699.575000 M | 22.64 | -10.36 |

Date: 15.MAY.2020 09:02:09

Lowest channel

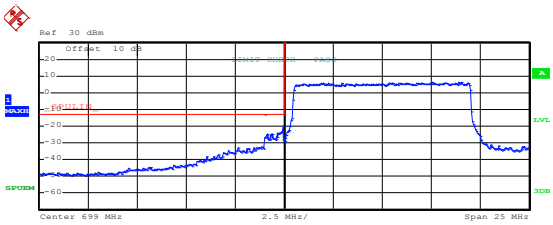



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 703.500 M | 716.000 M | 100.00 k | 706.562500 M | 22.61 | -10.39 |
| 716.000 M | 717.000 M | 30.00 k | 716.671000 M | -45.40 | -32.40 |
| 717.000 M | 728.500 M | 100.00 k | 717.011500 M | -41.68 | -28.68 |

Date: 15.MAY.2020 09:02:53

Highest channel

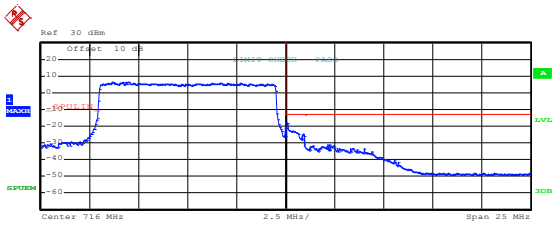
QPSK & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 686.500 M | 698.000 M | 100.00 k | 697.816000 M | -32.52 | -19.52 |
| 698.000 M | 699.000 M | 300.00 k | 698.991935 M | -19.95 | -6.95 |
| 699.000 M | 711.500 M | 100.00 k | 708.037500 M | 6.41 | -26.59 |

Date: 15.MAY.2020 09:02:34

Lowest channel



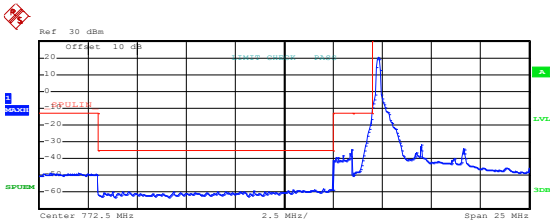

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 703.500 M | 716.000 M | 100.00 k | 707.150000 M | 6.30 | -26.70 |
| 716.000 M | 717.000 M | 300.00 k | 716.008065 M | -17.81 | -4.81 |
| 717.000 M | 728.500 M | 100.00 k | 718.150000 M | -31.14 | -18.14 |

Date: 15.MAY.2020 09:03:13

Highest channel

**LTE Band 13 part:**

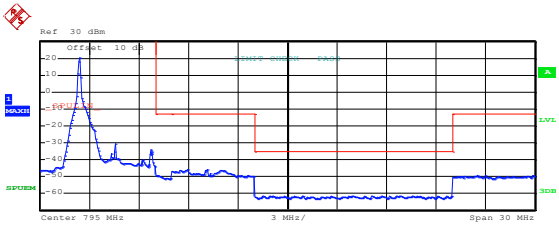
LTE Band 13, BW: 5MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 760.000 M | 763.000 M | 100.00 k | 761.983871 M | -48.59 | -35.59 |
| 763.000 M | 775.000 M | 8.50 k | 774.516129 M | -58.12 | -23.12 |
| 775.000 M | 776.000 M | 100.00 k | 775.970000 M | -34.45 | -21.45 |
| 776.000 M | 777.000 M | 30.00 k | 776.991935 M | -16.32 | -3.32 |
| 777.000 M | 785.000 M | 100.00 k | 777.322581 M | 20.22 | -12.78 |

Date: 15.MAY.2020 08:53:42

Lowest channel

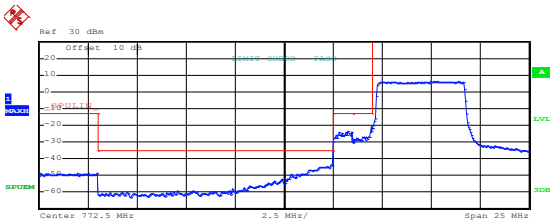



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 780.000 M | 787.000 M | 100.00 k | 782.370968 M | 20.37 | -12.63 |
| 787.000 M | 788.000 M | 30.00 k | 787.153226 M | -49.02 | -36.02 |
| 788.000 M | 793.000 M | 100.00 k | 788.887097 M | -45.90 | -32.90 |
| 793.000 M | 805.000 M | 8.50 k | 803.064516 M | -60.80 | -25.80 |
| 805.000 M | 810.000 M | 100.00 k | 806.975806 M | -49.23 | -36.23 |

Date: 15.MAY.2020 08:54:37

Highest channel

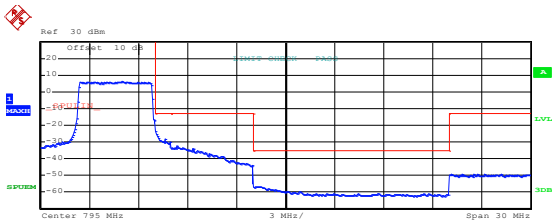
16QAM & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 760.000 M | 763.000 M | 100.00 k | 761.935484 M | -48.75 | -35.75 |
| 763.000 M | 775.000 M | 8.50 k | 774.903226 M | -43.11 | -8.11 |
| 775.000 M | 776.000 M | 100.00 k | 775.750000 M | -23.59 | -10.59 |
| 776.000 M | 777.000 M | 100.00 k | 776.991935 M | -19.81 | -6.81 |
| 777.000 M | 785.000 M | 100.00 k | 780.161290 M | 6.27 | -26.73 |

Date: 15.MAY.2020 08:54:05

Lowest channel

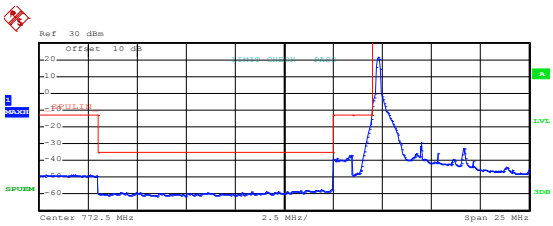



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 780.000 M | 787.000 M | 100.00 k | 784.911290 M | 6.11 | -26.89 |
| 787.000 M | 788.000 M | 100.00 k | 787.008065 M | -19.61 | -6.61 |
| 788.000 M | 793.000 M | 100.00 k | 788.322581 M | -32.55 | -19.55 |
| 793.000 M | 805.000 M | 8.50 k | 793.483871 M | -56.54 | -21.54 |
| 805.000 M | 810.000 M | 100.00 k | 808.145161 M | -49.21 | -36.21 |

Date: 15.MAY.2020 08:55:02

Highest channel

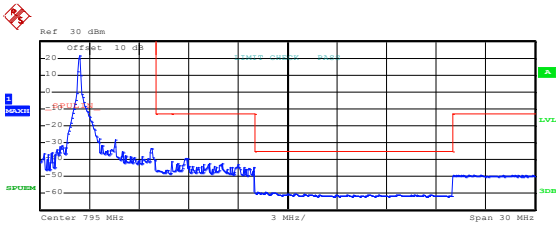
LTE Band 13, BW: 5MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 760.000 M | 763.000 M | 100.00 k | 761.620968 M | -48.65 | -35.65 |
| 763.000 M | 775.000 M | 8.50 k | 774.903226 M | -56.95 | -21.95 |
| 775.000 M | 776.000 M | 100.00 k | 775.858000 M | -36.99 | -23.99 |
| 776.000 M | 777.000 M | 30.00 k | 776.991935 M | -15.42 | -2.42 |
| 777.000 M | 785.000 M | 100.00 k | 777.322581 M | 21.74 | -11.26 |

Date: 15.MAY.2020 08:53:36

Lowest channel

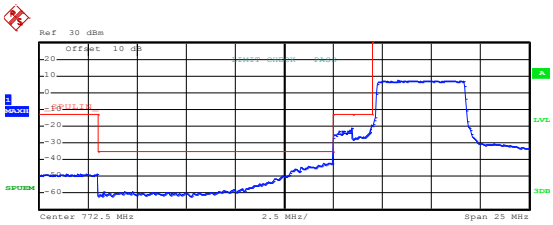



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 780.000 M | 787.000 M | 100.00 k | 782.314516 M | 21.45 | -11.55 |
| 787.000 M | 788.000 M | 30.00 k | 787.677419 M | -46.21 | -33.21 |
| 788.000 M | 793.000 M | 100.00 k | 788.887097 M | -39.21 | -26.21 |
| 793.000 M | 805.000 M | 8.50 k | 793.387097 M | -59.12 | -24.12 |
| 805.000 M | 810.000 M | 100.00 k | 808.024194 M | -49.07 | -36.07 |

Date: 15.MAY.2020 08:54:31

Highest channel

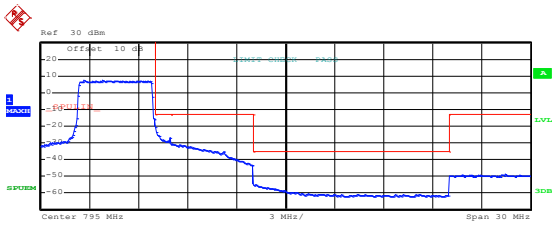
QPSK & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 760.000 M | 763.000 M | 100.00 k | 761.935484 M | -48.65 | -35.65 |
| 763.000 M | 775.000 M | 8.50 k | 774.806452 M | -42.15 | -7.15 |
| 775.000 M | 776.000 M | 100.00 k | 775.971000 M | -21.17 | -8.17 |
| 776.000 M | 777.000 M | 100.00 k | 776.983871 M | -19.49 | -6.49 |
| 777.000 M | 785.000 M | 100.00 k | 778.290323 M | 7.21 | -25.79 |

Date: 15.MAY.2020 08:54:00

Lowest channel



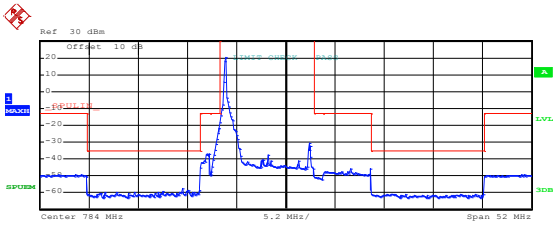

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 780.000 M | 787.000 M | 100.00 k | 782.596774 M | 7.25 | -25.75 |
| 787.000 M | 788.000 M | 100.00 k | 787.032258 M | -20.43 | -7.43 |
| 788.000 M | 793.000 M | 100.00 k | 788.040323 M | -30.62 | -17.62 |
| 793.000 M | 805.000 M | 8.50 k | 793.193548 M | -55.11 | -20.11 |
| 805.000 M | 810.000 M | 100.00 k | 808.387097 M | -48.90 | -35.90 |

Date: 15.MAY.2020 08:54:56

Highest channel

LTE Band 13, BW: 10MHz

16QAM & RB Size 1

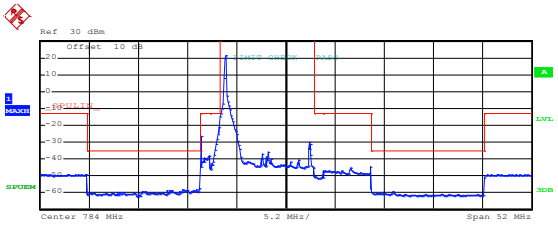



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 758.000 M | 763.000 M | 100.00 k | 762.354839 M | -49.32 | -36.32 |
| 763.000 M | 775.000 M | 8.50 k | 772.967742 M | -57.48 | -22.48 |
| 775.000 M | 776.000 M | 100.00 k | 775.706000 M | -37.01 | -24.01 |
| 776.000 M | 777.000 M | 30.00 k | 776.991935 M | -21.69 | -8.69 |
| 777.000 M | 787.000 M | 100.00 k | 777.564516 M | 20.37 | -12.63 |
| 787.000 M | 788.000 M | 30.00 k | 787.032258 M | -50.78 | -37.78 |
| 788.000 M | 793.000 M | 100.00 k | 793.000000 M | -45.76 | -32.76 |
| 793.000 M | 805.000 M | 8.50 k | 795.225806 M | -59.66 | -24.66 |
| 805.000 M | 810.000 M | 100.00 k | 808.870968 M | -49.15 | -36.15 |

Date: 15.MAY.2020 09:00:07

Middle channel

QPSK & RB Size 1

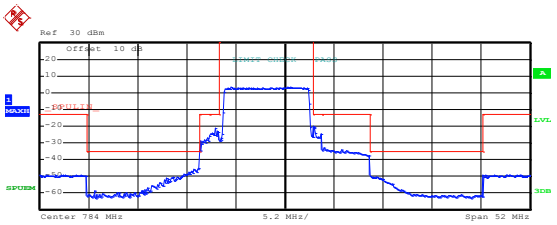



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 758.000 M | 763.000 M | 100.00 k | 758.120968 M | -49.14 | -36.14 |
| 763.000 M | 775.000 M | 8.50 k | 774.709677 M | -57.64 | -22.64 |
| 775.000 M | 776.000 M | 100.00 k | 775.062000 M | -26.57 | -13.57 |
| 776.000 M | 777.000 M | 30.00 k | 776.983871 M | -21.54 | -8.54 |
| 777.000 M | 787.000 M | 100.00 k | 777.564516 M | 21.52 | -11.48 |
| 787.000 M | 788.000 M | 30.00 k | 787.201613 M | -50.10 | -37.10 |
| 788.000 M | 793.000 M | 100.00 k | 793.000000 M | -44.78 | -31.78 |
| 793.000 M | 805.000 M | 8.50 k | 795.225806 M | -59.43 | -24.43 |
| 805.000 M | 810.000 M | 100.00 k | 805.322581 M | -49.26 | -36.26 |

Date: 15.MAY.2020 08:59:59

Middle channel

16QAM & RB Size 50

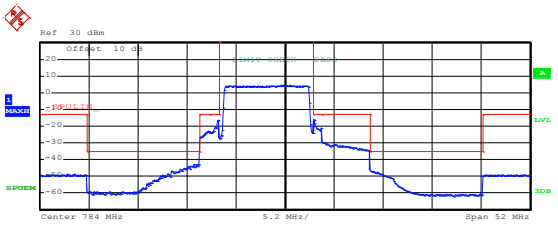



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 758.000 M | 763.000 M | 100.00 k | 758.000000 M | -49.23 | -36.23 |
| 763.000 M | 775.000 M | 8.50 k | 774.903226 M | -45.23 | -10.23 |
| 775.000 M | 776.000 M | 100.00 k | 775.790000 M | -26.85 | -13.85 |
| 776.000 M | 777.000 M | 300.00 k | 776.588710 M | -21.32 | -8.32 |
| 777.000 M | 787.000 M | 100.00 k | 784.500000 M | 3.38 | -29.62 |
| 787.000 M | 788.000 M | 300.00 k | 787.040323 M | -20.09 | -7.09 |
| 788.000 M | 793.000 M | 100.00 k | 788.161290 M | -33.04 | -20.04 |
| 793.000 M | 805.000 M | 8.50 k | 793.096774 M | -49.86 | -14.86 |
| 805.000 M | 810.000 M | 100.00 k | 807.540323 M | -49.15 | -36.15 |

Date: 15.MAY.2020 09:01:12

Middle channel

QPSK & RB Size 50



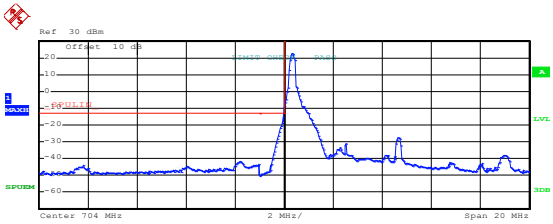

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 758.000 M | 763.000 M | 100.00 k | 760.862903 M | -48.69 | -35.69 |
| 763.000 M | 775.000 M | 8.50 k | 774.806452 M | -42.55 | -7.55 |
| 775.000 M | 776.000 M | 100.00 k | 775.961000 M | -22.67 | -9.67 |
| 776.000 M | 777.000 M | 300.00 k | 776.862903 M | -16.26 | -3.26 |
| 777.000 M | 787.000 M | 100.00 k | 783.935484 M | 4.46 | -28.54 |
| 787.000 M | 788.000 M | 300.00 k | 787.048387 M | -15.71 | -2.71 |
| 788.000 M | 793.000 M | 100.00 k | 788.120968 M | -29.60 | -16.60 |
| 793.000 M | 805.000 M | 8.50 k | 793.096774 M | -46.78 | -11.78 |
| 805.000 M | 810.000 M | 100.00 k | 805.604839 M | -48.97 | -35.97 |

Date: 15.MAY.2020 09:01:05

Middle channel

**LTE Band 17 part:**

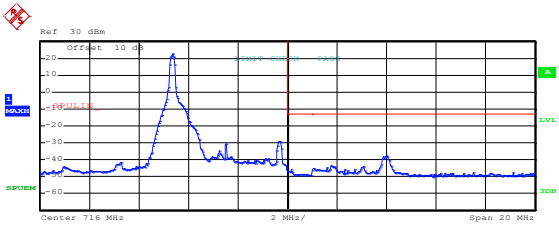
LTE Band 17, BW: 5MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 703.000 M | 100.00 k | 702.172000 M | -41.89 | -28.89 |
| 703.000 M | 704.000 M | 30.00 k | 703.983871 M | -15.66 | -2.66 |
| 704.000 M | 714.000 M | 100.00 k | 704.330000 M | 22.77 | -10.23 |

Date: 15.MAY.2020 08:56:21

Lowest channel

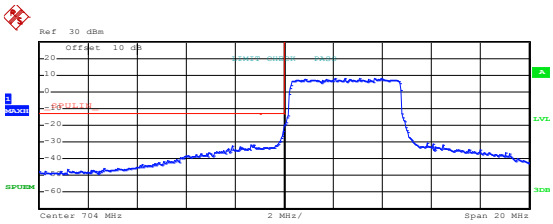



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 711.350000 M | 22.44 | -10.56 |
| 716.000 M | 717.000 M | 30.00 k | 716.142000 M | -45.47 | -32.47 |
| 717.000 M | 726.000 M | 100.00 k | 719.979000 M | -37.26 | -24.26 |

Date: 15.MAY.2020 08:57:03

Highest channel

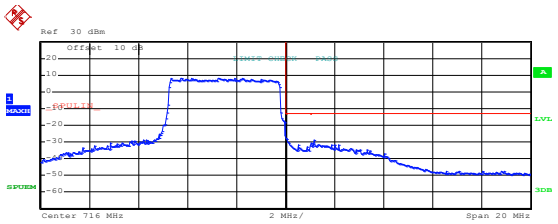
16QAM & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 703.000 M | 100.00 k | 702.613000 M | -31.76 | -18.76 |
| 703.000 M | 704.000 M | 100.00 k | 703.983871 M | -24.60 | -11.60 |
| 704.000 M | 714.000 M | 100.00 k | 707.940000 M | 8.35 | -24.65 |

Date: 15.MAY.2020 08:56:45

Lowest channel



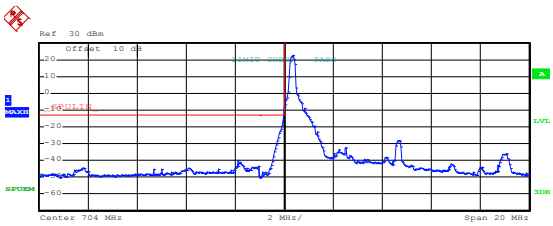

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 711.760000 M | 8.21 | -24.79 |
| 716.000 M | 717.000 M | 30.00 k | 716.008000 M | -27.12 | -14.12 |
| 717.000 M | 726.000 M | 100.00 k | 717.171000 M | -28.79 | -15.79 |

Date: 15.MAY.2020 08:57:16

Highest channel

LTE Band 17, BW: 5MHz

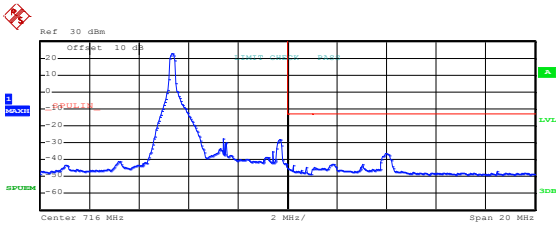
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 703.000 M | 100.00 k | 702.127000 M | -39.90 | -26.90 |
| 703.000 M | 704.000 M | 30.00 k | 703.991935 M | -15.74 | -2.74 |
| 704.000 M | 714.000 M | 100.00 k | 704.350000 M | 22.62 | -10.38 |

Date: 18.MAY.2020 20:44:29

Lowest channel

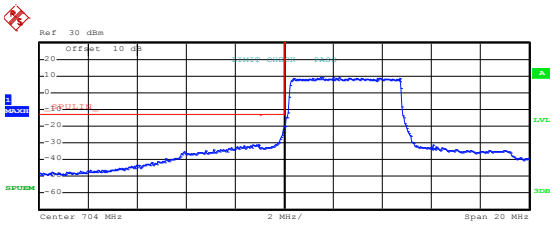



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 711.350000 M | 22.55 | -10.45 |
| 716.000 M | 717.000 M | 30.00 k | 716.255000 M | -43.38 | -30.38 |
| 717.000 M | 726.000 M | 100.00 k | 719.961000 M | -36.43 | -23.43 |

Date: 15.MAY.2020 08:56:58

Highest channel

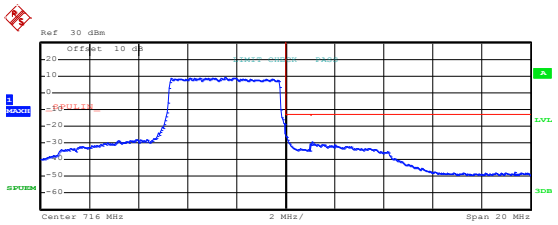
QPSK & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 694.000 M | 703.000 M | 100.00 k | 702.694000 M | -31.08 | -18.08 |
| 703.000 M | 704.000 M | 100.00 k | 703.991935 M | -23.16 | -10.16 |
| 704.000 M | 714.000 M | 100.00 k | 705.460000 M | 9.21 | -23.79 |

Date: 15.MAY.2020 08:56:38

Lowest channel



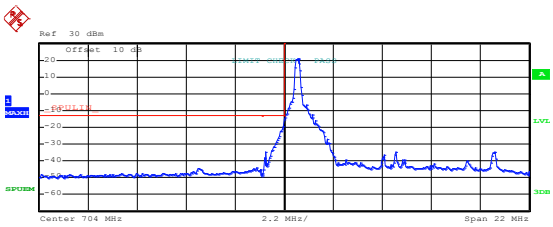

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 706.000 M | 716.000 M | 100.00 k | 713.520000 M | 9.19 | -23.81 |
| 716.000 M | 717.000 M | 30.00 k | 716.009000 M | -25.06 | -12.06 |
| 717.000 M | 726.000 M | 100.00 k | 717.081000 M | -29.60 | -16.60 |

Date: 15.MAY.2020 08:57:10

Highest channel

LTE Band 17, BW: 10MHz

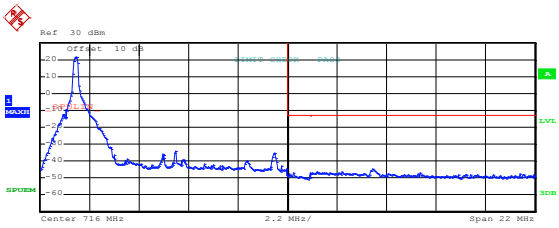
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 693.000 M | 703.000 M | 100.00 k | 702.780000 M | -43.87 | -30.87 |
| 703.000 M | 704.000 M | 30.00 k | 703.954000 M | -19.26 | -6.26 |
| 704.000 M | 715.000 M | 100.00 k | 704.616000 M | 20.66 | -12.34 |

Date: 15.MAY.2020 08:58:00

Lowest channel

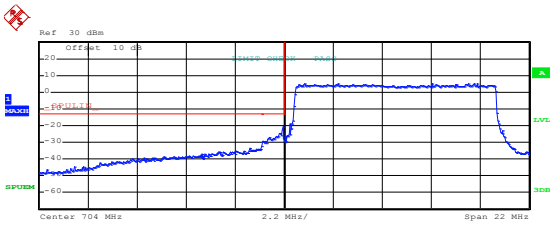



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 705.000 M | 716.000 M | 100.00 k | 706.617000 M | 21.55 | -11.45 |
| 716.000 M | 717.000 M | 30.00 k | 716.245000 M | -46.78 | -33.78 |
| 717.000 M | 727.000 M | 100.00 k | 719.790000 M | -44.82 | -31.82 |

Date: 15.MAY.2020 08:58:47

Highest channel

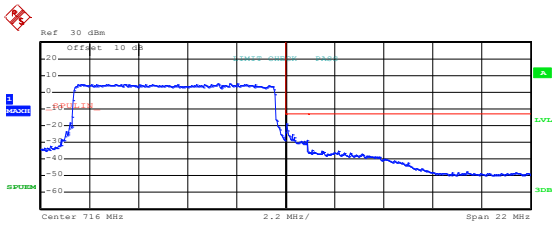
16QAM & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 693.000 M | 703.000 M | 100.00 k | 702.470000 M | -33.62 | -20.62 |
| 703.000 M | 704.000 M | 300.00 k | 703.983871 M | -20.66 | -7.66 |
| 704.000 M | 715.000 M | 100.00 k | 712.525000 M | 5.17 | -27.83 |

Date: 15.MAY.2020 08:58:26

Lowest channel



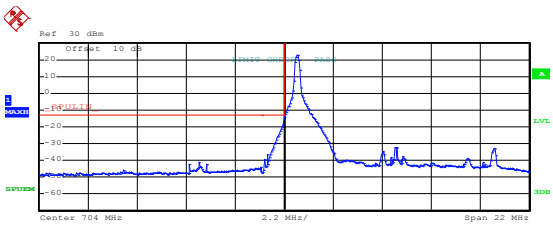

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 705.000 M | 716.000 M | 100.00 k | 712.964000 M | 5.23 | -27.77 |
| 716.000 M | 717.000 M | 300.00 k | 716.040323 M | -18.94 | -5.94 |
| 717.000 M | 727.000 M | 100.00 k | 717.200000 M | -34.46 | -21.46 |

Date: 15.MAY.2020 08:59:22

Highest channel

LTE Band 17, BW: 10MHz

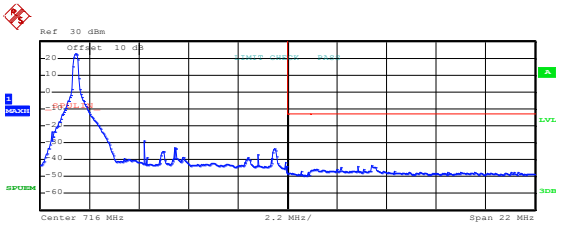
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 693.000 M | 703.000 M | 100.00 k | 700.180000 M | -41.13 | -28.13 |
| 703.000 M | 704.000 M | 30.00 k | 703.981000 M | -18.29 | -5.29 |
| 704.000 M | 715.000 M | 100.00 k | 704.594000 M | 22.65 | -10.35 |

Date: 15.MAY.2020 08:57:55

Lowest channel

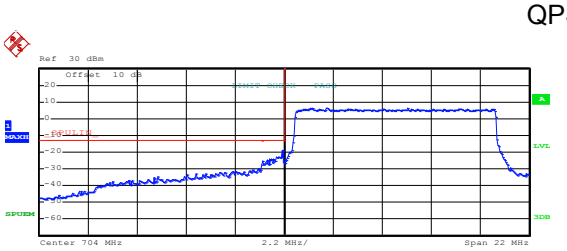



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 705.000 M | 716.000 M | 100.00 k | 706.584000 M | 22.84 | -10.16 |
| 716.000 M | 717.000 M | 30.00 k | 716.629000 M | -47.15 | -34.15 |
| 717.000 M | 727.000 M | 100.00 k | 719.750000 M | -43.55 | -30.55 |

Date: 15.MAY.2020 08:58:41

Highest channel

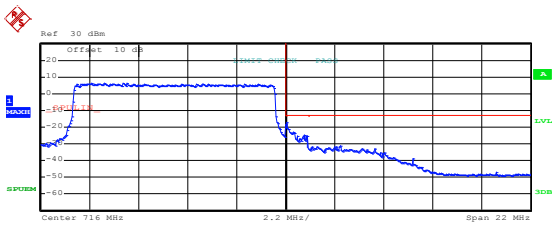
QPSK & RB Size 50




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 693.000 M | 703.000 M | 100.00 k | 702.830000 M | -29.91 | -16.91 |
| 703.000 M | 704.000 M | 300.00 k | 703.903226 M | -18.81 | -5.81 |
| 704.000 M | 715.000 M | 100.00 k | 709.533000 M | 6.61 | -26.39 |

Date: 15.MAY.2020 08:58:21

Lowest channel



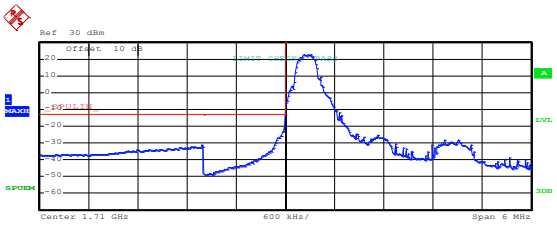

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 705.000 M | 716.000 M | 100.00 k | 707.288000 M | 6.53 | -26.47 |
| 716.000 M | 717.000 M | 300.00 k | 716.032258 M | -16.93 | -3.93 |
| 717.000 M | 727.000 M | 100.00 k | 718.450000 M | -31.25 | -18.25 |

Date: 15.MAY.2020 08:59:18

Highest channel

**LTE Band 66 part:**

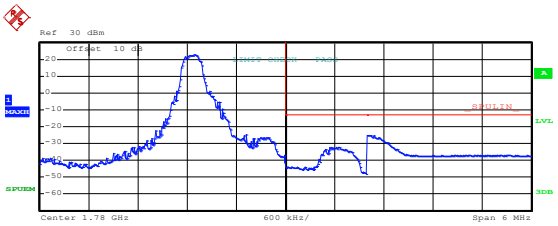
LTE Band 66, BW: 1.4MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.708984 G | -31.02 | -18.02 |
| 1.709 G | 1.710 G | 30.00 k | 1.709992 G | -21.21 | -8.21 |
| 1.710 G | 1.713 G | 100.00 k | 1.710273 G | 22.74 | -10.26 |

Date: 18.MAY.2020 20:23:31

Lowest channel

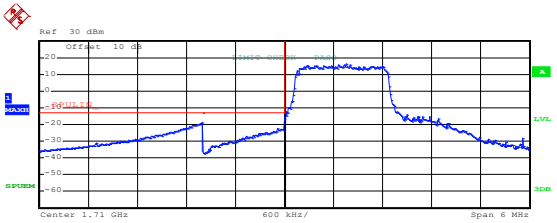



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.777 G | 1.780 G | 100.00 k | 1.778878 G | 22.67 | -10.33 |
| 1.780 G | 1.781 G | 30.00 k | 1.780537 G | -32.02 | -19.02 |
| 1.781 G | 1.783 G | 1.00 M | 1.781026 G | -25.23 | -12.23 |

Date: 18.MAY.2020 20:24:03

Highest channel

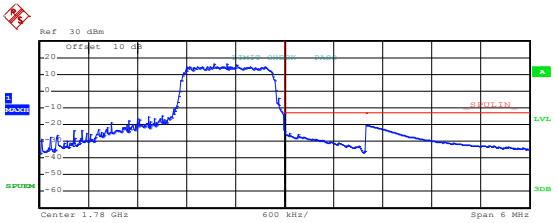
16QAM & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.709000 G | -18.91 | -5.91 |
| 1.709 G | 1.710 G | 30.00 k | 1.709911 G | -22.60 | -9.60 |
| 1.710 G | 1.713 G | 100.00 k | 1.710756 G | 16.11 | -16.89 |

Date: 18.MAY.2020 20:23:08

Lowest channel



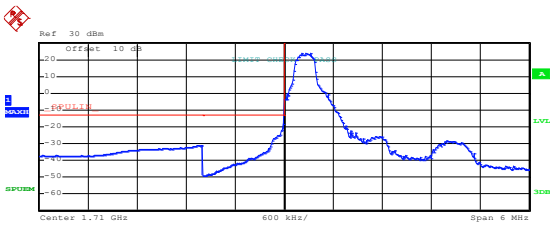

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.777 G | 1.780 G | 100.00 k | 1.779139 G | 16.32 | -16.68 |
| 1.780 G | 1.781 G | 30.00 k | 1.780008 G | -24.83 | -11.83 |
| 1.781 G | 1.783 G | 1.00 M | 1.781000 G | -20.41 | -7.41 |

Date: 18.MAY.2020 20:24:43

Highest channel

LTE Band 66, BW: 1.4MHz

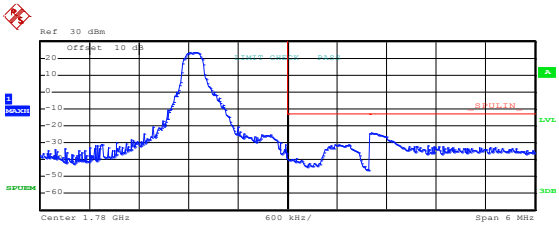
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.709000 G | -31.24 | -18.24 |
| 1.709 G | 1.710 G | 30.00 k | 1.709984 G | -19.29 | -6.29 |
| 1.710 G | 1.713 G | 100.00 k | 1.710261 G | 23.97 | -9.03 |

Date: 18.MAY.2020 20:23:22

Lowest channel

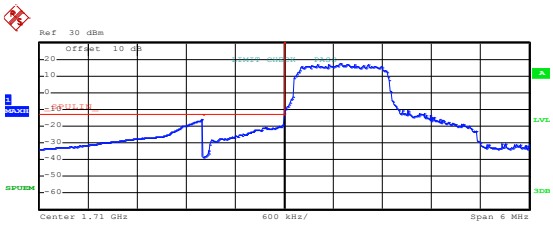



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.777 G | 1.780 G | 100.00 k | 1.778863 G | 23.48 | -9.52 |
| 1.780 G | 1.781 G | 30.00 k | 1.780578 G | -31.22 | -18.22 |
| 1.781 G | 1.783 G | 1.00 M | 1.781020 G | -24.29 | -11.29 |

Date: 18.MAY.2020 20:23:57

Highest channel

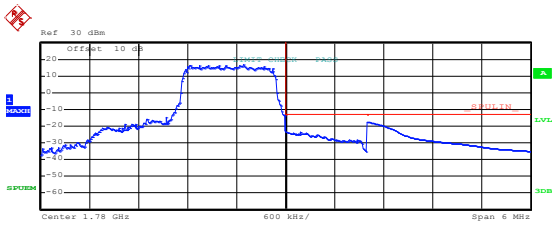
QPSK & RB Size 6




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.707 G | 1.709 G | 1.00 M | 1.709000 G | -16.18 | -3.18 |
| 1.709 G | 1.710 G | 30.00 k | 1.709992 G | -19.16 | -6.16 |
| 1.710 G | 1.713 G | 100.00 k | 1.710699 G | 17.61 | -15.39 |

Date: 18.MAY.2020 20:23:00

Lowest channel

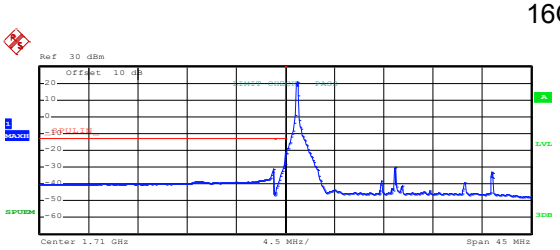



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.777 G | 1.780 G | 100.00 k | 1.779481 G | 16.94 | -16.06 |
| 1.780 G | 1.781 G | 30.00 k | 1.780008 G | -23.10 | -10.10 |
| 1.781 G | 1.783 G | 1.00 M | 1.781000 G | -17.48 | -4.48 |

Date: 18.MAY.2020 20:24:31

Highest channel

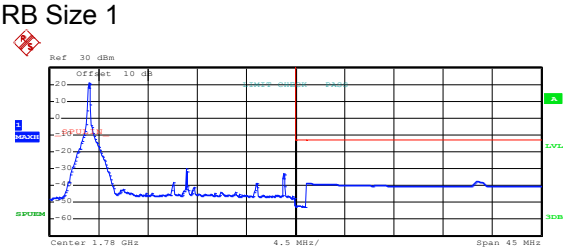
LTE Band 66, BW: 20MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.709000 G | -31.34 | -18.34 |
| 1.709 G | 1.710 G | 30.00 k | 1.709960 G | -28.58 | -15.58 |
| 1.710 G | 1.732 G | 100.00 k | 1.711103 G | 20.81 | -12.19 |

Date: 18.MAY.2020 20:25:40

Lowest channel

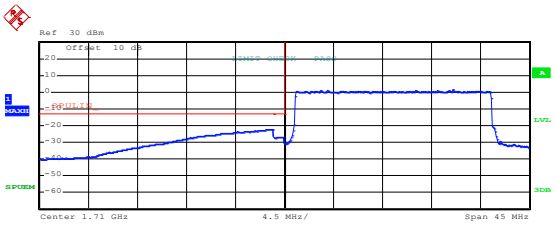



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.758 G | 1.780 G | 100.00 k | 1.761100 G | 20.96 | -12.04 |
| 1.780 G | 1.781 G | 30.00 k | 1.780242 G | -51.93 | -38.93 |
| 1.781 G | 1.803 G | 1.00 M | 1.796778 G | -37.80 | -24.80 |

Date: 18.MAY.2020 20:26:39

Highest channel

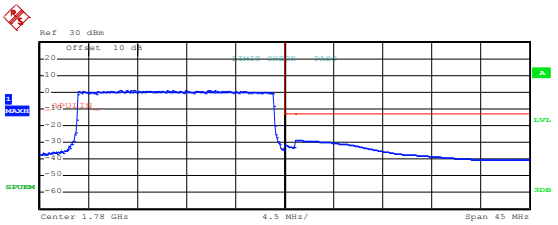
16QAM & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.708827 G | -22.29 | -9.29 |
| 1.709 G | 1.710 G | 300.00 k | 1.709968 G | -26.75 | -13.75 |
| 1.710 G | 1.732 G | 100.00 k | 1.725458 G | 1.61 | -31.39 |

Date: 18.MAY.2020 20:26:05

Lowest channel

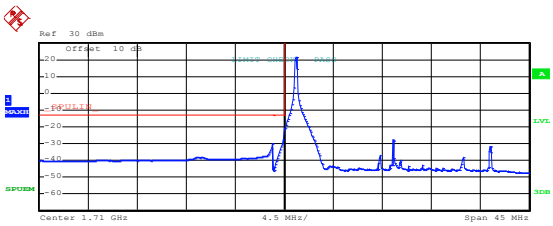



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.758 G | 1.780 G | 100.00 k | 1.773610 G | 1.19 | -31.81 |
| 1.780 G | 1.781 G | 300.00 k | 1.780048 G | -31.71 | -18.71 |
| 1.781 G | 1.803 G | 1.00 M | 1.781000 G | -28.66 | -15.66 |

Date: 18.MAY.2020 20:27:05

Highest channel

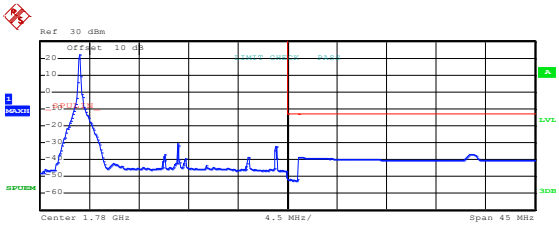
LTE Band 66, BW: 20MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.709000 G | -30.20 | -17.20 |
| 1.709 G | 1.710 G | 30.00 k | 1.709992 G | -27.89 | -14.89 |
| 1.710 G | 1.732 G | 100.00 k | 1.711080 G | 21.76 | -11.24 |

Date: 18.MAY.2020 20:25:32

Lowest channel

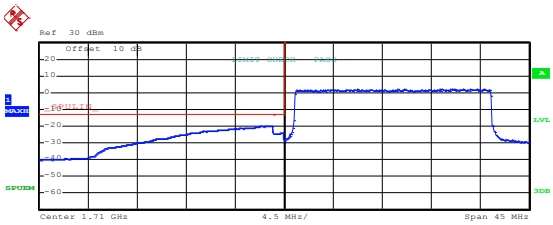



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.758 G | 1.780 G | 100.00 k | 1.761122 G | 21.94 | -11.06 |
| 1.780 G | 1.781 G | 30.00 k | 1.780911 G | -51.34 | -38.34 |
| 1.781 G | 1.803 G | 1.00 M | 1.796605 G | -37.21 | -24.21 |

Date: 18.MAY.2020 20:26:29

Highest channel

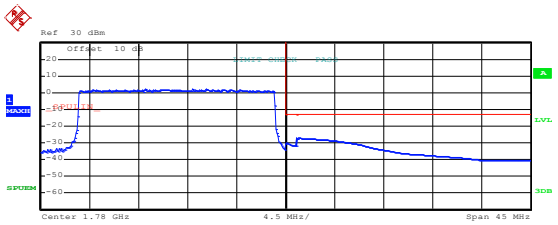
QPSK & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.688 G | 1.709 G | 1.00 M | 1.708827 G | -19.87 | -6.87 |
| 1.709 G | 1.710 G | 300.00 k | 1.709879 G | -23.90 | -10.90 |
| 1.710 G | 1.732 G | 100.00 k | 1.727055 G | 2.38 | -30.62 |

Date: 18.MAY.2020 20:25:56

Lowest channel



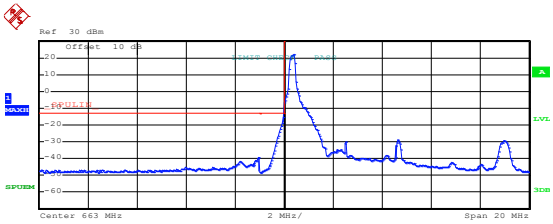

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 1.758 G | 1.780 G | 100.00 k | 1.767108 G | 2.07 | -30.93 |
| 1.780 G | 1.781 G | 300.00 k | 1.780040 G | -30.10 | -17.10 |
| 1.781 G | 1.803 G | 1.00 M | 1.781347 G | -27.20 | -14.20 |

Date: 18.MAY.2020 20:26:56

Highest channel

**LTE Band 71 part:**

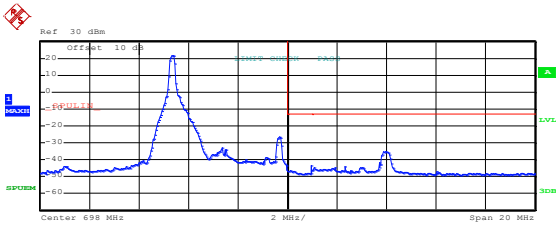
LTE Band 71, BW: 5MHz
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 653.000 M | 662.000 M | 100.00 k | 661.982000 M | -39.23 | -26.23 |
| 662.000 M | 663.000 M | 30.00 k | 662.991935 M | -15.90 | -2.90 |
| 663.000 M | 673.000 M | 100.00 k | 663.380000 M | 22.29 | -10.71 |

Date: 18.MAY.2020 20:28:54

Lowest channel

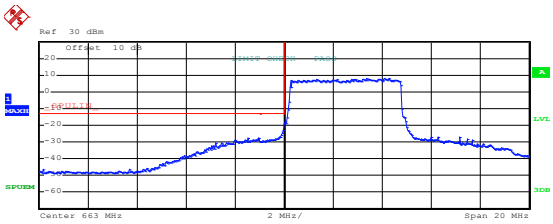



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 688.000 M | 698.000 M | 100.00 k | 693.340000 M | 21.68 | -11.32 |
| 698.000 M | 699.000 M | 30.00 k | 698.977000 M | -43.42 | -30.42 |
| 699.000 M | 708.000 M | 100.00 k | 701.970000 M | -35.06 | -22.06 |

Date: 18.MAY.2020 20:29:55

Highest channel

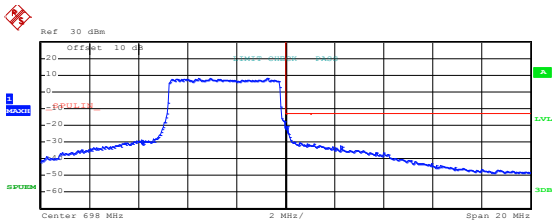
16QAM & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 653.000 M | 662.000 M | 100.00 k | 661.514000 M | -27.78 | -14.78 |
| 662.000 M | 663.000 M | 100.00 k | 662.991935 M | -23.32 | -10.32 |
| 663.000 M | 673.000 M | 100.00 k | 666.370000 M | 8.09 | -24.91 |

Date: 18.MAY.2020 20:29:18

Lowest channel

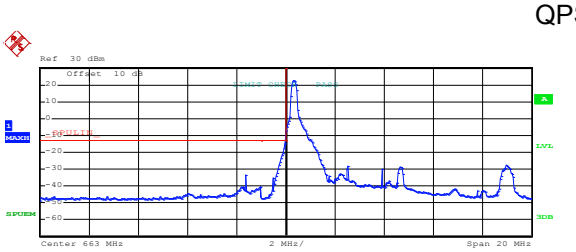



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 688.000 M | 698.000 M | 100.00 k | 697.260000 M | 8.17 | -24.83 |
| 698.000 M | 699.000 M | 100.00 k | 698.072581 M | -20.48 | -7.48 |
| 699.000 M | 708.000 M | 100.00 k | 699.171000 M | -31.07 | -18.07 |

Date: 18.MAY.2020 20:30:25

Highest channel

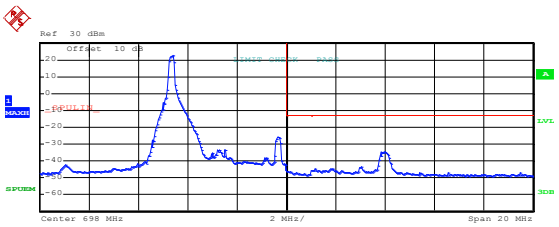
LTE Band 71, BW: 5MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 653.000 M | 662.000 M | 100.00 k | 661.370000 M | -33.53 | -20.53 |
| 662.000 M | 663.000 M | 30.00 k | 662.991935 M | -15.24 | -2.24 |
| 663.000 M | 673.000 M | 100.00 k | 663.320000 M | 22.66 | -10.34 |

Date: 18.MAY.2020 20:28:41

Lowest channel

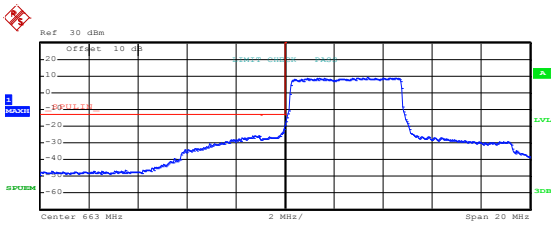



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 688.000 M | 698.000 M | 100.00 k | 693.380000 M | 22.62 | -10.38 |
| 698.000 M | 699.000 M | 30.00 k | 698.006000 M | -46.15 | -33.15 |
| 699.000 M | 708.000 M | 100.00 k | 701.970000 M | -34.71 | -21.71 |

Date: 18.MAY.2020 20:29:47

Highest channel

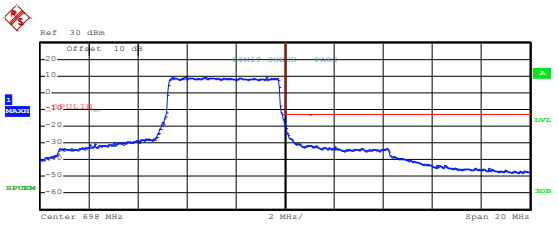
QPSK & RB Size 25




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 653.000 M | 662.000 M | 100.00 k | 661.919000 M | -25.88 | -12.88 |
| 662.000 M | 663.000 M | 100.00 k | 662.983871 M | -21.73 | -8.73 |
| 663.000 M | 673.000 M | 100.00 k | 666.350000 M | 9.24 | -23.76 |

Date: 18.MAY.2020 20:29:11

Lowest channel



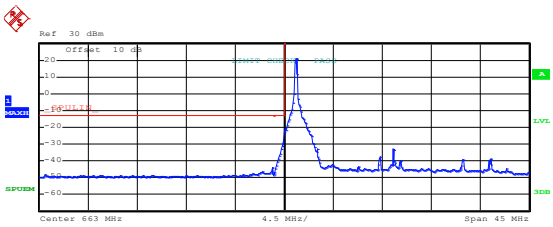

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 688.000 M | 698.000 M | 100.00 k | 693.400000 M | 9.42 | -23.58 |
| 698.000 M | 699.000 M | 100.00 k | 698.024194 M | -19.92 | -6.92 |
| 699.000 M | 708.000 M | 100.00 k | 699.018000 M | -31.77 | -18.77 |

Date: 18.MAY.2020 20:30:20

Highest channel

LTE Band 71, BW: 20MHz

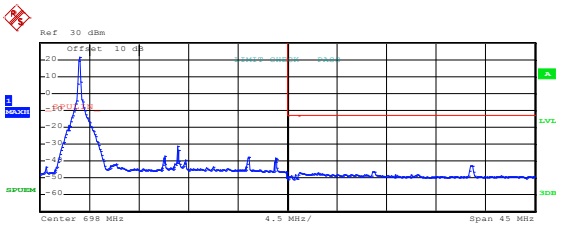
16QAM & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 640.500 M | 662.000 M | 100.00 k | 662.000000 M | -43.84 | -30.84 |
| 662.000 M | 663.000 M | 30.00 k | 662.991935 M | -28.83 | -15.83 |
| 663.000 M | 685.500 M | 100.00 k | 664.102500 M | 21.19 | -11.81 |

Date: 18.MAY.2020 20:31:33

Lowest channel

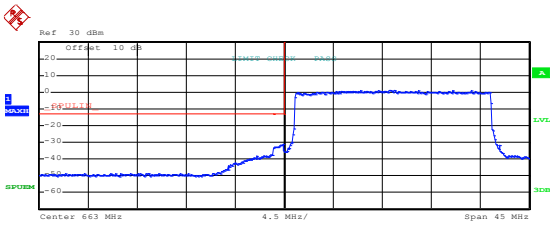



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 675.500 M | 698.000 M | 100.00 k | 679.100000 M | 21.26 | -11.74 |
| 698.000 M | 699.000 M | 30.00 k | 698.693548 M | -48.27 | -35.27 |
| 699.000 M | 720.500 M | 100.00 k | 714.716500 M | -42.57 | -29.57 |

Date: 18.MAY.2020 20:33:05

Highest channel

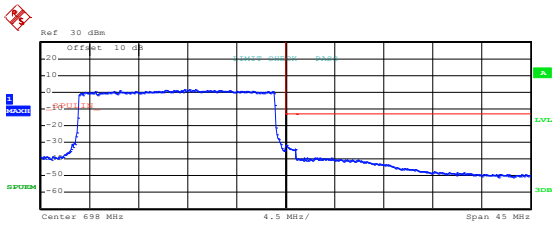
16QAM & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 640.500 M | 662.000 M | 100.00 k | 661.871000 M | -37.35 | -24.35 |
| 662.000 M | 663.000 M | 300.00 k | 662.959677 M | -31.37 | -18.37 |
| 663.000 M | 685.500 M | 100.00 k | 671.595000 M | 1.14 | -31.86 |

Date: 18.MAY.2020 20:31:56

Lowest channel

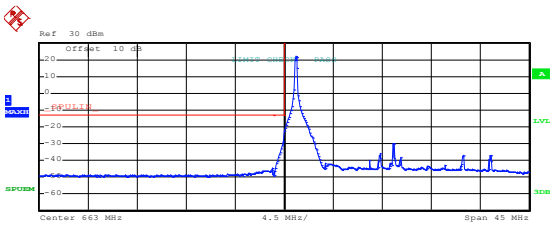



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 675.500 M | 698.000 M | 100.00 k | 689.202500 M | 1.68 | -31.32 |
| 698.000 M | 699.000 M | 300.00 k | 698.064516 M | -31.78 | -18.78 |
| 699.000 M | 720.500 M | 100.00 k | 701.128500 M | -39.04 | -26.04 |

Date: 18.MAY.2020 20:32:40

Highest channel

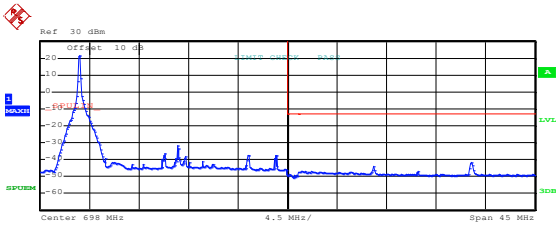
LTE Band 71, BW: 20MHz
QPSK & RB Size 1




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 640.500 M | 662.000 M | 100.00 k | 661.978500 M | -44.33 | -31.33 |
| 662.000 M | 663.000 M | 30.00 k | 662.991935 M | -28.52 | -15.52 |
| 663.000 M | 685.500 M | 100.00 k | 664.057500 M | 21.85 | -11.15 |

Date: 18.MAY.2020 20:31:26

Lowest channel

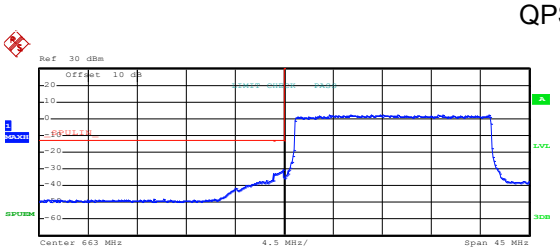



| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 675.500 M | 698.000 M | 100.00 k | 679.122500 M | 21.70 | -11.30 |
| 698.000 M | 699.000 M | 30.00 k | 698.298387 M | -48.11 | -35.11 |
| 699.000 M | 720.500 M | 100.00 k | 714.695000 M | -41.80 | -28.80 |

Date: 18.MAY.2020 20:32:56

Highest channel

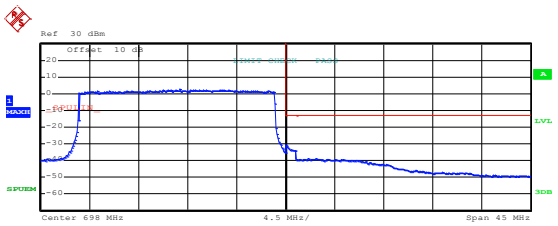
QPSK & RB Size 100




| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 640.500 M | 662.000 M | 100.00 k | 661.376500 M | -36.85 | -23.85 |
| 662.000 M | 663.000 M | 300.00 k | 662.959677 M | -30.71 | -17.71 |
| 663.000 M | 685.500 M | 100.00 k | 671.797500 M | 2.48 | -30.52 |

Date: 18.MAY.2020 20:31:49

Lowest channel

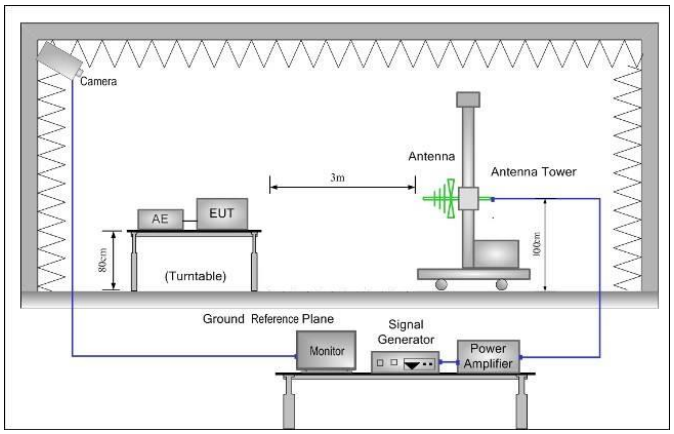


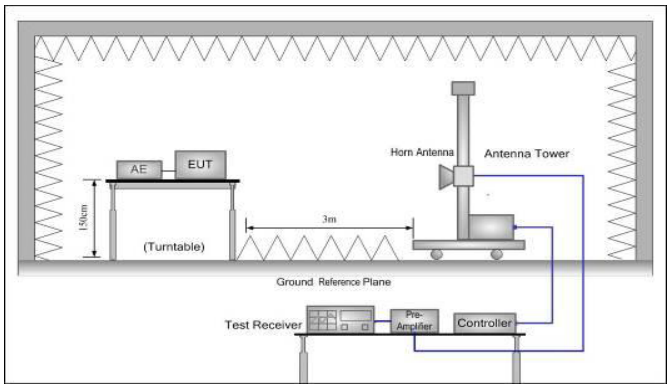

| Start [Hz] | Stop [Hz] | RBW [Hz] | Freq [Hz] | PwrAbs [dBm] | ΔLimit [dB] |
|---|---|---|---|---|---|
| 675.500 M | 698.000 M | 100.00 k | 688.302500 M | 2.55 | -30.45 |
| 698.000 M | 699.000 M | 300.00 k | 698.032258 M | -30.56 | -17.56 |
| 699.000 M | 720.500 M | 100.00 k | 701.343500 M | -38.60 | -25.60 |

Date: 18.MAY.2020 20:32:31

Highest channel

## 6.5 Field strength of spurious radiation measurement

| | |
|---|---|
| Test Requirement: | Part 22.917(a), Part 24.238 (a), part 27.53(c), part 27.53(g), part 27.53(h) |
| Limit: | LTE Band 2 & 4 & 5 & 12 & 17 & 66 & 71:<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 13:<br>(c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:<br>(1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;<br>(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;<br>(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations;<br>(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;<br>(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;<br>(6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment. |
| Test setup: | Below 1GHz<br>  <br><br>Above 1GHz |

| | |
|---|---|
| |  |
| Test Procedure: | 1. The EUT was placed on the top of a rotating table 0.8m(below 1GHz)/1.5m(above 1GHz) above the ground at a 3 meter camber. 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 5.10 for details |
| Test mode: | Refer to section 5.3 for details. |
| Test results: | Passed |

**Measurement Data:**

**LTE Band 2 part:**

| Band 2 (1.4MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3701.40 | -60.60 | 12.64 | 0.75 | -48.71 | -13.00 | -35.71 | Vertical |
| 5552.10 | -55.02 | 12.76 | 1.13 | -43.39 | -13.00 | -30.39 | Vertical |
| 7402.00 | -48.42 | 11.44 | 1.63 | -38.61 | -13.00 | -25.61 | Vertical |
| 3701.40 | -58.18 | 12.64 | 0.75 | -46.29 | -13.00 | -33.29 | Horizontal |
| 5552.10 | -53.73 | 12.76 | 1.13 | -42.10 | -13.00 | -29.10 | Horizontal |
| 7402.00 | -48.06 | 11.44 | 1.63 | -38.25 | -13.00 | -25.25 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3760.00 | -60.94 | 12.71 | 0.79 | -49.02 | -13.00 | -36.02 | Vertical |
| 5640.00 | -54.84 | 12.87 | 1.15 | -43.12 | -13.00 | -30.12 | Vertical |
| 7520.00 | -48.48 | 11.48 | 1.66 | -38.66 | -13.00 | -25.66 | Vertical |
| 3760.00 | -58.21 | 12.71 | 0.79 | -46.29 | -13.00 | -33.29 | Horizontal |
| 5640.00 | -54.10 | 12.87 | 1.15 | -42.38 | -13.00 | -29.38 | Horizontal |
| 7520.00 | -47.64 | 11.48 | 1.66 | -37.82 | -13.00 | -24.82 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3816.60 | -61.23 | 12.78 | 0.81 | -49.26 | -13.00 | -36.26 | Vertical |
| 5724.90 | -55.28 | 12.97 | 1.19 | -43.50 | -13.00 | -30.50 | Vertical |
| 7633.20 | -48.10 | 11.34 | 1.71 | -38.47 | -13.00 | -25.47 | Vertical |
| 3816.60 | -58.19 | 12.78 | 0.81 | -46.22 | -13.00 | -33.22 | Horizontal |
| 5724.90 | -53.67 | 12.97 | 1.19 | -41.89 | -13.00 | -28.89 | Horizontal |
| 7633.20 | -47.33 | 11.34 | 1.71 | -37.70 | -13.00 | -24.70 | Horizontal |
| *Remark:* *The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

| Band 2 (20MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3720.00 | -61.07 | 12.66 | 0.77 | -49.18 | -13.00 | -36.18 | Vertical |
| 5580.00 | -54.73 | 12.80 | 1.15 | -43.08 | -13.00 | -30.08 | Vertical |
| 7440.00 | -48.48 | 11.46 | 1.64 | -38.66 | -13.00 | -25.66 | Vertical |
| 3720.00 | -57.63 | 12.66 | 0.77 | -45.74 | -13.00 | -32.74 | Horizontal |
| 5580.00 | -53.67 | 12.80 | 1.15 | -42.02 | -13.00 | -29.02 | Horizontal |
| 7440.00 | -47.46 | 11.46 | 1.64 | -37.64 | -13.00 | -24.64 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3760.00 | -61.34 | 12.71 | 0.79 | -49.42 | -13.00 | -36.42 | Vertical |
| 5640.00 | -54.81 | 12.87 | 1.15 | -43.09 | -13.00 | -30.09 | Vertical |
| 7520.00 | -48.33 | 11.48 | 1.66 | -38.51 | -13.00 | -25.51 | Vertical |
| 3760.00 | -57.39 | 12.71 | 0.79 | -45.47 | -13.00 | -32.47 | Horizontal |
| 5640.00 | -53.85 | 12.87 | 1.15 | -42.13 | -13.00 | -29.13 | Horizontal |
| 7520.00 | -47.51 | 11.48 | 1.66 | -37.69 | -13.00 | -24.69 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3800.00 | -61.80 | 12.76 | 0.79 | -49.83 | -13.00 | -36.83 | Vertical |
| 5700.00 | -54.89 | 12.94 | 1.18 | -43.13 | -13.00 | -30.13 | Vertical |
| 7600.00 | -48.14 | 11.38 | 1.69 | -38.45 | -13.00 | -25.45 | Vertical |
| 3800.00 | -57.06 | 12.76 | 0.79 | -45.09 | -13.00 | -32.09 | Horizontal |
| 5700.00 | -53.68 | 12.94 | 1.18 | -41.92 | -13.00 | -28.92 | Horizontal |
| 7600.00 | -47.40 | 11.38 | 1.69 | -37.71 | -13.00 | -24.71 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

**LTE Band 4 part:**

| Band 4 (1.4MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3421.40 | -62.38 | 12.24 | 0.70 | -50.84 | -13.00 | -37.84 | Vertical |
| 5132.10 | -58.28 | 12.92 | 1.01 | -46.37 | -13.00 | -33.37 | Vertical |
| 6842.80 | -50.71 | 11.42 | 1.53 | -40.82 | -13.00 | -27.82 | Vertical |
| 3421.40 | -62.27 | 12.24 | 0.70 | -50.73 | -13.00 | -37.73 | Horizontal |
| 5132.10 | -57.42 | 12.92 | 1.01 | -45.51 | -13.00 | -32.51 | Horizontal |
| 6842.80 | -50.64 | 11.42 | 1.53 | -40.75 | -13.00 | -27.75 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3465.00 | -62.25 | 12.33 | 0.72 | -50.64 | -13.00 | -37.64 | Vertical |
| 5197.50 | -58.23 | 12.88 | 1.04 | -46.39 | -13.00 | -33.39 | Vertical |
| 6930.00 | -50.65 | 11.30 | 1.56 | -40.91 | -13.00 | -27.91 | Vertical |
| 3465.00 | -62.11 | 12.33 | 0.72 | -50.50 | -13.00 | -37.50 | Horizontal |
| 5197.50 | -57.15 | 12.88 | 1.04 | -45.31 | -13.00 | -32.31 | Horizontal |
| 6930.00 | -50.55 | 11.30 | 1.56 | -40.81 | -13.00 | -27.81 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3508.60 | -62.63 | 12.41 | 0.74 | -50.96 | -13.00 | -37.96 | Vertical |
| 5262.90 | -57.92 | 12.84 | 1.07 | -46.15 | -13.00 | -33.15 | Vertical |
| 7017.20 | -50.72 | 11.21 | 1.58 | -41.09 | -13.00 | -28.09 | Vertical |
| 3508.60 | -62.43 | 12.41 | 0.74 | -50.76 | -13.00 | -37.76 | Horizontal |
| 5262.90 | -57.43 | 12.84 | 1.07 | -45.66 | -13.00 | -32.66 | Horizontal |
| 7017.20 | -50.40 | 11.21 | 1.58 | -40.77 | -13.00 | -27.77 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

| Band 4 (20MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3440.00 | -63.03 | 12.28 | 0.71 | -51.46 | -13.00 | -38.46 | Vertical |
| 5160.00 | -58.40 | 12.90 | 1.03 | -46.53 | -13.00 | -33.53 | Vertical |
| 6880.00 | -51.18 | 11.37 | 1.54 | -41.35 | -13.00 | -28.35 | Vertical |
| 3440.00 | -61.89 | 12.28 | 0.71 | -50.32 | -13.00 | -37.32 | Horizontal |
| 5160.00 | -57.30 | 12.90 | 1.03 | -45.43 | -13.00 | -32.43 | Horizontal |
| 6880.00 | -50.58 | 11.37 | 1.54 | -40.75 | -13.00 | -27.75 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3465.00 | -62.65 | 12.33 | 0.72 | -51.04 | -13.00 | -38.04 | Vertical |
| 5197.50 | -58.55 | 12.88 | 1.04 | -46.71 | -13.00 | -33.71 | Vertical |
| 6930.00 | -51.08 | 11.30 | 1.56 | -41.34 | -13.00 | -28.34 | Vertical |
| 3465.00 | -62.00 | 12.33 | 0.72 | -50.39 | -13.00 | -37.39 | Horizontal |
| 5197.50 | -57.71 | 12.88 | 1.04 | -45.87 | -13.00 | -32.87 | Horizontal |
| 6930.00 | -50.47 | 11.30 | 1.56 | -40.73 | -13.00 | -27.73 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3490.00 | -63.10 | 12.38 | 0.73 | -51.45 | -13.00 | -38.45 | Vertical |
| 5235.00 | -58.36 | 12.86 | 1.06 | -46.56 | -13.00 | -33.56 | Vertical |
| 6980.00 | -51.00 | 11.23 | 1.57 | -41.34 | -13.00 | -28.34 | Vertical |
| 3490.00 | -61.97 | 12.38 | 0.73 | -50.32 | -13.00 | -37.32 | Horizontal |
| 5235.00 | -57.72 | 12.86 | 1.06 | -45.92 | -13.00 | -32.92 | Horizontal |
| 6980.00 | -49.99 | 11.23 | 1.57 | -40.33 | -13.00 | -27.33 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

| Band 5 (1.4MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1649.40 | -68.65 | 9.57 | 0.20 | -59.28 | -13.00 | -46.28 | Vertical |
| 2474.10 | -66.65 | 10.86 | 0.43 | -56.22 | -13.00 | -43.22 | Vertical |
| 3298.80 | -62.99 | 12.00 | 0.64 | -51.63 | -13.00 | -38.63 | Vertical |
| 1649.40 | -68.42 | 9.57 | 0.20 | -59.05 | -13.00 | -46.05 | Horizontal |
| 2474.10 | -62.82 | 10.86 | 0.43 | -52.39 | -13.00 | -39.39 | Horizontal |
| 3298.80 | -62.33 | 12.00 | 0.64 | -50.97 | -13.00 | -37.97 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1673.30 | -68.70 | 9.66 | 0.22 | -59.26 | -13.00 | -46.26 | Vertical |
| 2509.50 | -66.88 | 10.91 | 0.46 | -56.43 | -13.00 | -43.43 | Vertical |
| 3346.00 | -63.33 | 12.09 | 0.66 | -51.90 | -13.00 | -38.90 | Vertical |
| 1673.30 | -68.71 | 9.66 | 0.22 | -59.27 | -13.00 | -46.27 | Horizontal |
| 2509.50 | -62.83 | 10.91 | 0.46 | -52.38 | -13.00 | -39.38 | Horizontal |
| 3346.00 | -62.65 | 12.09 | 0.66 | -51.22 | -13.00 | -38.22 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1696.60 | -68.44 | 9.74 | 0.23 | -58.93 | -13.00 | -45.93 | Vertical |
| 2544.90 | -66.70 | 10.94 | 0.49 | -56.25 | -13.00 | -43.25 | Vertical |
| 3393.20 | -63.38 | 12.19 | 0.68 | -51.87 | -13.00 | -38.87 | Vertical |
| 1696.60 | -68.60 | 9.74 | 0.23 | -59.09 | -13.00 | -46.09 | Horizontal |
| 2544.90 | -63.03 | 10.94 | 0.49 | -52.58 | -13.00 | -39.58 | Horizontal |
| 3393.20 | -63.04 | 12.19 | 0.68 | -51.53 | -13.00 | -38.53 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

| Band 5 (10MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1658.00 | -67.67 | 9.60 | 0.21 | -58.28 | -13.00 | -45.28 | Vertical |
| 2487.00 | -66.91 | 10.88 | 0.45 | -56.48 | -13.00 | -43.48 | Vertical |
| 3316.00 | -63.85 | 12.03 | 0.65 | -52.47 | -13.00 | -39.47 | Vertical |
| 1658.00 | -68.40 | 9.60 | 0.21 | -59.01 | -13.00 | -46.01 | Horizontal |
| 2487.00 | -62.36 | 10.88 | 0.45 | -51.93 | -13.00 | -38.93 | Horizontal |
| 3316.00 | -62.74 | 12.03 | 0.65 | -51.36 | -13.00 | -38.36 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1673.30 | -68.04 | 9.66 | 0.21 | -58.59 | -13.00 | -45.59 | Vertical |
| 2509.50 | -67.05 | 10.91 | 0.46 | -56.60 | -13.00 | -43.60 | Vertical |
| 3346.00 | -63.61 | 12.09 | 0.66 | -52.18 | -13.00 | -39.18 | Vertical |
| 1673.30 | -68.24 | 9.66 | 0.21 | -58.79 | -13.00 | -45.79 | Horizontal |
| 2509.50 | -62.82 | 10.91 | 0.46 | -52.37 | -13.00 | -39.37 | Horizontal |
| 3346.00 | -62.50 | 12.09 | 0.66 | -51.07 | -13.00 | -38.07 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1688.00 | -68.29 | 9.71 | 0.23 | -58.81 | -13.00 | -45.81 | Vertical |
| 2532.00 | -67.00 | 10.93 | 0.48 | -56.55 | -13.00 | -43.55 | Vertical |
| 3376.00 | -63.53 | 12.15 | 0.67 | -52.05 | -13.00 | -39.05 | Vertical |
| 1688.00 | -68.57 | 9.71 | 0.23 | -59.09 | -13.00 | -46.09 | Horizontal |
| 2532.00 | -62.97 | 10.93 | 0.48 | -52.52 | -13.00 | -39.52 | Horizontal |
| 3376.00 | -62.96 | 12.15 | 0.67 | -51.48 | -13.00 | -38.48 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

**LTE Band 12 part:**

| Band 12 (1.4MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1399.40 | -63.92 | 7.80 | 0.11 | -56.23 | -13.00 | -43.23 | Vertical |
| 2099.10 | -64.48 | 10.34 | 0.29 | -54.43 | -13.00 | -41.43 | Vertical |
| 2798.80 | -64.28 | 11.20 | 0.53 | -53.61 | -13.00 | -40.61 | Vertical |
| 1399.40 | -63.17 | 7.80 | 0.11 | -55.48 | -13.00 | -42.48 | Horizontal |
| 2099.10 | -68.20 | 10.34 | 0.29 | -58.15 | -13.00 | -45.15 | Horizontal |
| 2798.80 | -62.90 | 11.20 | 0.53 | -52.23 | -13.00 | -39.23 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1415.00 | -63.75 | 7.92 | 0.13 | -55.96 | -13.00 | -42.96 | Vertical |
| 2122.50 | -64.37 | 10.37 | 0.32 | -54.32 | -13.00 | -41.32 | Vertical |
| 2830.00 | -64.25 | 11.23 | 0.55 | -53.57 | -13.00 | -40.57 | Vertical |
| 1415.00 | -63.17 | 7.92 | 0.13 | -55.38 | -13.00 | -42.38 | Horizontal |
| 2122.50 | -67.93 | 10.37 | 0.32 | -57.88 | -13.00 | -44.88 | Horizontal |
| 2830.00 | -62.90 | 11.23 | 0.55 | -52.22 | -13.00 | -39.22 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1430.60 | -63.83 | 8.04 | 0.16 | -55.95 | -13.00 | -42.95 | Vertical |
| 2145.90 | -64.00 | 10.40 | 0.35 | -53.95 | -13.00 | -40.95 | Vertical |
| 2861.20 | -64.29 | 11.26 | 0.58 | -53.61 | -13.00 | -40.61 | Vertical |
| 1430.60 | -63.40 | 8.04 | 0.16 | -55.52 | -13.00 | -42.52 | Horizontal |
| 2145.90 | -67.96 | 10.40 | 0.35 | -57.91 | -13.00 | -44.91 | Horizontal |
| 2861.20 | -62.54 | 11.26 | 0.58 | -51.86 | -13.00 | -38.86 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

| Band 12 (10MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1408.00 | -64.19 | 7.86 | 0.12 | -56.45 | -13.00 | -43.45 | Vertical |
| 2112.00 | -63.81 | 10.36 | 0.30 | -53.75 | -13.00 | -40.75 | Vertical |
| 2816.00 | -63.46 | 11.22 | 0.54 | -52.78 | -13.00 | -39.78 | Vertical |
| 1408.00 | -63.32 | 7.86 | 0.12 | -55.58 | -13.00 | -42.58 | Horizontal |
| 2112.00 | -67.48 | 10.36 | 0.30 | -57.42 | -13.00 | -44.42 | Horizontal |
| 2816.00 | -63.53 | 11.22 | 0.54 | -52.85 | -13.00 | -39.85 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1415.00 | -64.46 | 7.92 | 0.13 | -56.67 | -13.00 | -43.67 | Vertical |
| 2122.50 | -64.12 | 10.37 | 0.32 | -54.07 | -13.00 | -41.07 | Vertical |
| 2830.00 | -63.87 | 11.23 | 0.55 | -53.19 | -13.00 | -40.19 | Vertical |
| 1415.00 | -63.56 | 7.92 | 0.13 | -55.77 | -13.00 | -42.77 | Horizontal |
| 2122.50 | -67.79 | 10.37 | 0.32 | -57.74 | -13.00 | -44.74 | Horizontal |
| 2830.00 | -63.14 | 11.23 | 0.55 | -52.46 | -13.00 | -39.46 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1422.00 | -64.05 | 7.98 | 0.15 | -56.22 | -13.00 | -43.22 | Vertical |
| 2133.00 | -63.93 | 10.39 | 0.34 | -53.88 | -13.00 | -40.88 | Vertical |
| 2844.00 | -63.82 | 11.24 | 0.57 | -53.15 | -13.00 | -40.15 | Vertical |
| 1422.00 | -63.69 | 7.98 | 0.15 | -55.86 | -13.00 | -42.86 | Horizontal |
| 2133.00 | -67.49 | 10.39 | 0.34 | -57.44 | -13.00 | -44.44 | Horizontal |
| 2844.00 | -62.87 | 11.24 | 0.57 | -52.20 | -13.00 | -39.20 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

**LTE Band 13 part:**

| Band 13 (5MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1559.00 | -65.37 | 9.07 | 0.17 | -56.47 | -13.00 | -43.47 | Vertical |
| 2338.50 | -66.35 | 10.67 | 0.40 | -56.08 | -13.00 | -43.08 | Vertical |
| 3118.00 | -62.69 | 11.64 | 0.59 | -51.64 | -13.00 | -38.64 | Vertical |
| 1559.00 | -68.25 | 9.07 | 0.17 | -59.35 | -13.00 | -46.35 | Horizontal |
| 2338.50 | -67.39 | 10.67 | 0.40 | -57.12 | -13.00 | -44.12 | Horizontal |
| 3118.00 | -63.16 | 11.64 | 0.59 | -52.11 | -13.00 | -39.11 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1564.00 | -65.31 | 9.11 | 0.18 | -56.38 | -13.00 | -43.38 | Vertical |
| 2346.00 | -66.34 | 10.68 | 0.40 | -56.06 | -13.00 | -43.06 | Vertical |
| 3128.00 | -62.51 | 11.66 | 0.60 | -51.45 | -13.00 | -38.45 | Vertical |
| 1564.00 | -68.56 | 9.11 | 0.18 | -59.63 | -13.00 | -46.63 | Horizontal |
| 2346.00 | -67.53 | 10.68 | 0.40 | -57.25 | -13.00 | -44.25 | Horizontal |
| 3128.00 | -63.38 | 11.66 | 0.60 | -52.32 | -13.00 | -39.32 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1569.00 | -65.42 | 9.15 | 0.18 | -56.45 | -13.00 | -43.45 | Vertical |
| 2353.50 | -66.72 | 10.69 | 0.41 | -56.44 | -13.00 | -43.44 | Vertical |
| 3138.00 | -62.55 | 11.68 | 0.61 | -51.48 | -13.00 | -38.48 | Vertical |
| 1569.00 | -68.48 | 9.15 | 0.18 | -59.51 | -13.00 | -46.51 | Horizontal |
| 2353.50 | -67.98 | 10.69 | 0.41 | -57.70 | -13.00 | -44.70 | Horizontal |
| 3138.00 | -63.34 | 11.68 | 0.61 | -52.27 | -13.00 | -39.27 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

| Band 13 (10MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1564.00 | -65.49 | 9.11 | 0.18 | -56.56 | -13.00 | -43.56 | Vertical |
| 2346.00 | -66.92 | 10.68 | 0.40 | -56.64 | -13.00 | -43.64 | Vertical |
| 3128.00 | -63.44 | 11.66 | 0.60 | -52.38 | -13.00 | -39.38 | Vertical |
| 1564.00 | -68.33 | 9.11 | 0.18 | -59.40 | -13.00 | -46.40 | Horizontal |
| 2346.00 | -67.66 | 10.68 | 0.40 | -57.38 | -13.00 | -44.38 | Horizontal |
| 3128.00 | -63.78 | 11.66 | 0.60 | -52.72 | -13.00 | -39.72 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

**LTE Band 17 part:**

| Band 17 (5MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1413.00 | -62.50 | 7.90 | 0.12 | -54.72 | -13.00 | -41.72 | Vertical |
| 2119.50 | -65.76 | 10.37 | 0.31 | -55.70 | -13.00 | -42.70 | Vertical |
| 2826.00 | -65.12 | 11.23 | 0.54 | -54.43 | -13.00 | -41.43 | Vertical |
| 1413.00 | -63.52 | 7.90 | 0.12 | -55.74 | -13.00 | -42.74 | Horizontal |
| 2119.50 | -67.72 | 10.37 | 0.31 | -57.66 | -13.00 | -44.66 | Horizontal |
| 2826.00 | -64.77 | 11.23 | 0.54 | -54.08 | -13.00 | -41.08 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1420.00 | -62.30 | 7.96 | 0.14 | -54.48 | -13.00 | -41.48 | Vertical |
| 2130.00 | -65.78 | 10.38 | 0.33 | -55.73 | -13.00 | -42.73 | Vertical |
| 2840.00 | -64.72 | 11.24 | 0.56 | -54.04 | -13.00 | -41.04 | Vertical |
| 1420.00 | -63.11 | 7.96 | 0.14 | -55.29 | -13.00 | -42.29 | Horizontal |
| 2130.00 | -67.44 | 10.38 | 0.33 | -57.39 | -13.00 | -44.39 | Horizontal |
| 2840.00 | -64.56 | 11.24 | 0.56 | -53.88 | -13.00 | -40.88 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1427.00 | -62.63 | 8.02 | 0.16 | -54.77 | -13.00 | -41.77 | Vertical |
| 2140.50 | -65.98 | 10.40 | 0.34 | -55.92 | -13.00 | -42.92 | Vertical |
| 2854.00 | -64.49 | 11.25 | 0.57 | -53.81 | -13.00 | -40.81 | Vertical |
| 1427.00 | -62.82 | 8.02 | 0.16 | -54.96 | -13.00 | -41.96 | Horizontal |
| 2140.50 | -67.46 | 10.40 | 0.34 | -57.40 | -13.00 | -44.40 | Horizontal |
| 2854.00 | -64.64 | 11.25 | 0.57 | -53.96 | -13.00 | -40.96 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

| Band 17 (10MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1418.00 | -62.15 | 7.94 | 0.13 | -54.34 | -13.00 | -41.34 | Vertical |
| 2127.00 | -66.90 | 10.38 | 0.32 | -56.84 | -13.00 | -43.84 | Vertical |
| 2836.00 | -64.22 | 11.24 | 0.56 | -53.54 | -13.00 | -40.54 | Vertical |
| 1418.00 | -62.49 | 7.94 | 0.13 | -54.68 | -13.00 | -41.68 | Horizontal |
| 2127.00 | -67.01 | 10.38 | 0.32 | -56.95 | -13.00 | -43.95 | Horizontal |
| 2836.00 | -64.69 | 11.24 | 0.56 | -54.01 | -13.00 | -41.01 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1420.00 | -61.94 | 7.96 | 0.14 | -54.12 | -13.00 | -41.12 | Vertical |
| 2130.00 | -66.55 | 10.38 | 0.33 | -56.50 | -13.00 | -43.50 | Vertical |
| 2840.00 | -64.22 | 11.24 | 0.56 | -53.54 | -13.00 | -40.54 | Vertical |
| 1420.00 | -62.34 | 7.96 | 0.14 | -54.52 | -13.00 | -41.52 | Horizontal |
| 2130.00 | -67.18 | 10.38 | 0.33 | -57.13 | -13.00 | -44.13 | Horizontal |
| 2840.00 | -64.34 | 11.24 | 0.56 | -53.66 | -13.00 | -40.66 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1422.00 | -62.26 | 7.98 | 0.15 | -54.43 | -13.00 | -41.43 | Vertical |
| 2133.00 | -66.39 | 10.39 | 0.34 | -56.34 | -13.00 | -43.34 | Vertical |
| 2844.00 | -64.63 | 11.24 | 0.57 | -53.96 | -13.00 | -40.96 | Vertical |
| 1422.00 | -62.35 | 7.98 | 0.15 | -54.52 | -13.00 | -41.52 | Horizontal |
| 2133.00 | -67.15 | 10.39 | 0.34 | -57.10 | -13.00 | -44.10 | Horizontal |
| 2844.00 | -64.25 | 11.24 | 0.57 | -53.58 | -13.00 | -40.58 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

**LTE Band 66 part:**

| Band 66 (1.4MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3421.40 | -61.74 | 12.24 | 0.70 | -50.20 | -13.00 | -37.20 | Vertical |
| 5132.10 | -56.65 | 12.92 | 1.01 | -44.74 | -13.00 | -31.74 | Vertical |
| 6842.80 | -60.13 | 11.42 | 1.53 | -50.24 | -13.00 | -37.24 | Vertical |
| 3421.40 | -62.76 | 12.24 | 0.70 | -51.22 | -13.00 | -38.22 | Horizontal |
| 5132.10 | -56.62 | 12.92 | 1.01 | -44.71 | -13.00 | -31.71 | Horizontal |
| 6842.80 | -50.61 | 11.42 | 1.53 | -40.72 | -13.00 | -27.72 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3490.00 | -61.44 | 12.38 | 0.73 | -49.79 | -13.00 | -36.79 | Vertical |
| 5235.00 | -56.83 | 12.86 | 1.06 | -45.03 | -13.00 | -32.03 | Vertical |
| 6980.00 | -60.31 | 11.23 | 1.57 | -50.65 | -13.00 | -37.65 | Vertical |
| 3490.00 | -62.92 | 12.38 | 0.73 | -51.27 | -13.00 | -38.27 | Horizontal |
| 5235.00 | -56.42 | 12.86 | 1.06 | -44.62 | -13.00 | -31.62 | Horizontal |
| 6980.00 | -50.24 | 11.23 | 1.57 | -40.58 | -13.00 | -27.58 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3558.60 | -61.16 | 12.47 | 0.74 | -49.43 | -13.00 | -36.43 | Vertical |
| 5337.90 | -56.60 | 12.80 | 1.08 | -44.88 | -13.00 | -31.88 | Vertical |
| 7117.20 | -60.61 | 11.27 | 1.59 | -50.93 | -13.00 | -37.93 | Vertical |
| 3558.60 | -62.57 | 12.47 | 0.74 | -50.84 | -13.00 | -37.84 | Horizontal |
| 5337.90 | -56.33 | 12.80 | 1.08 | -44.61 | -13.00 | -31.61 | Horizontal |
| 7117.20 | -50.54 | 11.27 | 1.59 | -40.86 | -13.00 | -27.86 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

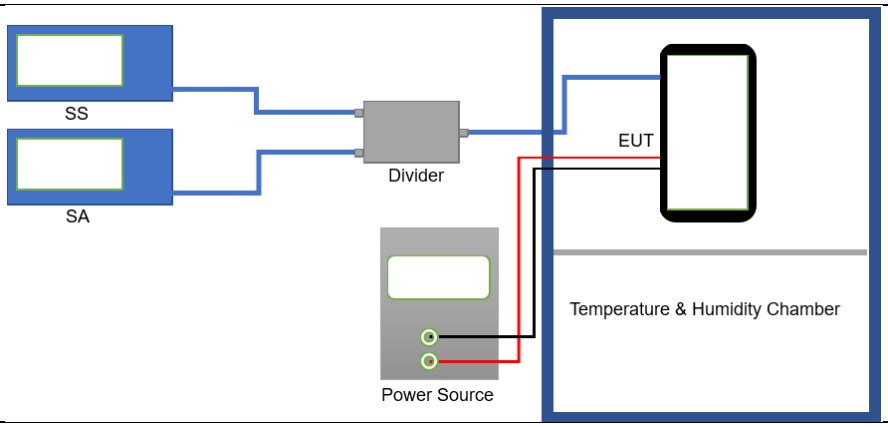
| Band 66 (20MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3440.00 | -61.84 | 12.28 | 0.71 | -50.27 | -13.00 | -37.27 | Vertical |
| 5160.00 | -56.44 | 12.90 | 1.03 | -44.57 | -13.00 | -31.57 | Vertical |
| 6880.00 | -60.52 | 11.37 | 1.54 | -50.69 | -13.00 | -37.69 | Vertical |
| 3440.00 | -62.56 | 12.28 | 0.71 | -50.99 | -13.00 | -37.99 | Horizontal |
| 5160.00 | -57.03 | 12.90 | 1.03 | -45.16 | -13.00 | -32.16 | Horizontal |
| 6880.00 | -51.01 | 11.37 | 1.54 | -41.18 | -13.00 | -28.18 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3490.00 | -61.52 | 12.38 | 0.73 | -49.87 | -13.00 | -36.87 | Vertical |
| 5235.00 | -56.31 | 12.86 | 1.06 | -44.51 | -13.00 | -31.51 | Vertical |
| 6980.00 | -60.69 | 11.23 | 1.57 | -51.03 | -13.00 | -38.03 | Vertical |
| 3490.00 | -62.49 | 12.38 | 0.73 | -50.84 | -13.00 | -37.84 | Horizontal |
| 5235.00 | -56.74 | 12.86 | 1.06 | -44.94 | -13.00 | -31.94 | Horizontal |
| 6980.00 | -50.84 | 11.23 | 1.57 | -41.18 | -13.00 | -28.18 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 3540.00 | -61.53 | 12.45 | 0.74 | -49.82 | -13.00 | -36.82 | Vertical |
| 5310.00 | -56.36 | 12.81 | 1.08 | -44.63 | -13.00 | -31.63 | Vertical |
| 7080.00 | -60.70 | 11.25 | 1.59 | -51.04 | -13.00 | -38.04 | Vertical |
| 3540.00 | -62.30 | 12.45 | 0.74 | -50.59 | -13.00 | -37.59 | Horizontal |
| 5310.00 | -56.47 | 12.81 | 1.08 | -44.74 | -13.00 | -31.74 | Horizontal |
| 7080.00 | -50.98 | 11.25 | 1.59 | -41.32 | -13.00 | -28.32 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

**LTE Band 71 part:**

| Band 71 (5MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1331.00 | -63.95 | 7.70 | 0.11 | -56.36 | -13.00 | -43.36 | Vertical |
| 1996.50 | -67.12 | 7.79 | 0.26 | -59.59 | -13.00 | -46.59 | Vertical |
| 2662.00 | -65.07 | 11.06 | 0.52 | -54.53 | -13.00 | -41.53 | Vertical |
| 1331.00 | -64.10 | 7.70 | 0.11 | -56.51 | -13.00 | -43.51 | Horizontal |
| 1996.50 | -66.32 | 7.79 | 0.26 | -58.79 | -13.00 | -45.79 | Horizontal |
| 2662.00 | -65.54 | 11.06 | 0.52 | -55.00 | -13.00 | -42.00 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1361.00 | -63.92 | 7.74 | 0.11 | -56.29 | -13.00 | -43.29 | Vertical |
| 2041.50 | -69.70 | 10.26 | 0.27 | -59.71 | -13.00 | -46.71 | Vertical |
| 2722.00 | -64.88 | 11.12 | 0.52 | -54.28 | -13.00 | -41.28 | Vertical |
| 1361.00 | -64.53 | 7.74 | 0.11 | -56.90 | -13.00 | -43.90 | Horizontal |
| 2041.50 | -68.70 | 10.26 | 0.27 | -58.71 | -13.00 | -45.71 | Horizontal |
| 2722.00 | -65.98 | 11.12 | 0.52 | -55.38 | -13.00 | -42.38 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1391.00 | -63.55 | 7.79 | 0.11 | -55.87 | -13.00 | -42.87 | Vertical |
| 2086.50 | -69.73 | 10.32 | 0.29 | -59.70 | -13.00 | -46.70 | Vertical |
| 2782.00 | -65.02 | 11.18 | 0.53 | -54.37 | -13.00 | -41.37 | Vertical |
| 1391.00 | -64.35 | 7.79 | 0.11 | -56.67 | -13.00 | -43.67 | Horizontal |
| 2086.50 | -68.79 | 10.32 | 0.29 | -58.76 | -13.00 | -45.76 | Horizontal |
| 2782.00 | -66.25 | 11.18 | 0.53 | -55.60 | -13.00 | -42.60 | Horizontal |
| *Remark:*<br>*The emission levels of below 1 GHz are lower than the limit 20dB and not show in test report.* | | | | | | | |

| Band 71 (20MHz) | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Lowest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1346.00 | -63.05 | 7.72 | 0.11 | -55.44 | -13.00 | -42.44 | Vertical |
| 2019.00 | -69.73 | 10.23 | 0.26 | -59.76 | -13.00 | -46.76 | Vertical |
| 2692.00 | -65.43 | 11.09 | 0.52 | -54.86 | -13.00 | -41.86 | Vertical |
| 1346.00 | -64.78 | 7.72 | 0.11 | -57.17 | -13.00 | -44.17 | Horizontal |
| 2019.00 | -68.64 | 10.23 | 0.26 | -58.67 | -13.00 | -45.67 | Horizontal |
| 2692.00 | -66.43 | 11.09 | 0.52 | -55.86 | -13.00 | -42.86 | Horizontal |
| **Middle channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1366.00 | -63.54 | 7.75 | 0.11 | -55.90 | -13.00 | -42.90 | Vertical |
| 2049.00 | -69.38 | 10.27 | 0.27 | -59.38 | -13.00 | -46.38 | Vertical |
| 2732.00 | -65.85 | 11.13 | 0.52 | -55.24 | -13.00 | -42.24 | Vertical |
| 1366.00 | -64.40 | 7.75 | 0.11 | -56.76 | -13.00 | -43.76 | Horizontal |
| 2049.00 | -68.83 | 10.27 | 0.27 | -58.83 | -13.00 | -45.83 | Horizontal |
| 2732.00 | -66.13 | 11.13 | 0.52 | -55.52 | -13.00 | -42.52 | Horizontal |
| **Highest channel** | | | | | | | |
| Frequency (MHz) | Level at antenna terminals (dBm) | Substitute antenna gain (dBi) | Cable Loss (dBi) | Spurous Emission level (dBm) | Limit Line (dBm) | Over Limit (dBm) | Polarization |
| 1376.00 | -63.50 | 7.76 | 0.11 | -55.85 | -13.00 | -42.85 | Vertical |
| 2064.00 | -69.39 | 10.29 | 0.27 | -59.37 | -13.00 | -46.37 | Vertical |
| 2752.00 | -65.46 | 11.15 | 0.52 | -54.83 | -13.00 | -41.83 | Vertical |
| 1376.00 | -64.17 | 7.76 | 0.11 | -56.52 | -13.00 | -43.52 | Horizontal |
| 2064.00 | -68.77 | 10.29 | 0.27 | -58.75 | -13.00 | -45.75 | Horizontal |
| 2752.00 | -66.28 | 11.15 | 0.52 | -55.65 | -13.00 | -42.65 | Horizontal |
| *Remark:* *The emission levels of below 1 GHz are lower than the limit 20dB and not show in test 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) |
| Limit: | ±2.5 ppm for Band 5<br>Within authorized band for Band 2 & 4 & 12 & 13 & 17 & 66 & 71 |
| 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 5.10 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 | 170 | 0.090426 | Within authorized band for Band 2 | Pass |
| | -20 | 165 | 0.087766 | | |
| | -10 | 157 | 0.083511 | | |
| | 0 | 152 | 0.080851 | | |
| | 10 | 146 | 0.077660 | | |
| | 20 | 139 | 0.073936 | | |
| | 30 | 134 | 0.071277 | | |
| | 40 | 126 | 0.067021 | | |
| | 50 | 115 | 0.061170 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 168 | 0.089362 | Within authorized band for Band 2 | Pass |
| | -20 | 160 | 0.085106 | | |
| | -10 | 154 | 0.081915 | | |
| | 0 | 137 | 0.072872 | | |
| | 10 | 133 | 0.070745 | | |
| | 20 | 127 | 0.067553 | | |
| | 30 | 123 | 0.065426 | | |
| | 40 | 117 | 0.062234 | | |
| | 50 | 110 | 0.058511 | | |
| *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 | 173 | 0.099856 | Within authorized band for Band 4 | Pass |
| | -20 | 167 | 0.096392 | | |
| | -10 | 159 | 0.091775 | | |
| | 0 | 136 | 0.078499 | | |
| | 10 | 130 | 0.075036 | | |
| | 20 | 124 | 0.071573 | | |
| | 30 | 113 | 0.065224 | | |
| | 40 | 153 | 0.088312 | | |
| | 50 | 144 | 0.083117 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 170 | 0.098124 | Within authorized band for Band 4 | Pass |
| | -20 | 160 | 0.092352 | | |
| | -10 | 154 | 0.088889 | | |
| | 0 | 144 | 0.083117 | | |
| | 10 | 136 | 0.078499 | | |
| | 20 | 124 | 0.071573 | | |
| | 30 | 119 | 0.068687 | | |
| | 40 | 112 | 0.064646 | | |
| | 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 | 168 | 0.200837 | ±2.5 | Pass |
| | -20 | 156 | 0.186491 | | |
| | -10 | 149 | 0.178123 | | |
| | 0 | 142 | 0.169755 | | |
| | 10 | 135 | 0.161387 | | |
| | 20 | 127 | 0.151823 | | |
| | 30 | 121 | 0.144650 | | |
| | 40 | 113 | 0.135087 | | |
| | 50 | 162 | 0.193664 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 166 | 0.198446 | ±2.5 | Pass |
| | -20 | 159 | 0.190078 | | |
| | -10 | 153 | 0.182905 | | |
| | 0 | 146 | 0.174537 | | |
| | 10 | 139 | 0.166169 | | |
| | 20 | 134 | 0.160191 | | |
| | 30 | 127 | 0.151823 | | |
| | 40 | 121 | 0.144650 | | |
| | 50 | 111 | 0.132696 | | |
| *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 | 173 | 0.244523 | Within authorized band for Band 12 | Pass |
| | -20 | 156 | 0.220495 | | |
| | -10 | 140 | 0.197880 | | |
| | 0 | 130 | 0.183746 | | |
| | 10 | 120 | 0.169611 | | |
| | 20 | 110 | 0.155477 | | |
| | 30 | 134 | 0.189399 | | |
| | 40 | 148 | 0.209187 | | |
| | 50 | 162 | 0.228975 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 170 | 0.240283 | Within authorized band for Band 12 | Pass |
| | -20 | 166 | 0.234629 | | |
| | -10 | 157 | 0.221908 | | |
| | 0 | 118 | 0.166784 | | |
| | 10 | 109 | 0.154064 | | |
| | 20 | 150 | 0.212014 | | |
| | 30 | 143 | 0.202120 | | |
| | 40 | 134 | 0.189399 | | |
| | 50 | 125 | 0.176678 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 13 part:**

| Reference Frequency: LTE Band 13 (10MHz) Middle channel=23230 channel=782.00MHz | | | | | |
|---|---|---|---|---|---|
| Power supplied (Vdc) | Temperature (℃) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.70 | -30 | 173 | 0.221228 | Within authorized band for Band 13 | Pass |
| | -20 | 168 | 0.214834 | | |
| | -10 | 160 | 0.204604 | | |
| | 0 | 153 | 0.195652 | | |
| | 10 | 147 | 0.187980 | | |
| | 20 | 140 | 0.179028 | | |
| | 30 | 132 | 0.168798 | | |
| | 40 | 127 | 0.162404 | | |
| | 50 | 116 | 0.148338 | | |
| 16QAM | | | | | |
| 3.70 | -30 | 169 | 0.216113 | Within authorized band for Band 13 | Pass |
| | -20 | 158 | 0.202046 | | |
| | -10 | 144 | 0.184143 | | |
| | 0 | 137 | 0.175192 | | |
| | 10 | 130 | 0.166240 | | |
| | 20 | 126 | 0.161125 | | |
| | 30 | 118 | 0.150895 | | |
| | 40 | 107 | 0.136829 | | |
| | 50 | 150 | 0.191816 | | |
| *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 | 170 | 0.239437 | Within authorized band for Band 17 | Pass |
| | -20 | 160 | 0.225352 | | |
| | -10 | 153 | 0.215493 | | |
| | 0 | 145 | 0.204225 | | |
| | 10 | 116 | 0.163380 | | |
| | 20 | 107 | 0.150704 | | |
| | 30 | 136 | 0.191549 | | |
| | 40 | 130 | 0.183099 | | |
| | 50 | 121 | 0.170423 | | |
| 16QAM | | | | | |
| 3.80 | -30 | 167 | 0.235211 | Within authorized band for Band 17 | Pass |
| | -20 | 159 | 0.223944 | | |
| | -10 | 154 | 0.216901 | | |
| | 0 | 124 | 0.174648 | | |
| | 10 | 116 | 0.163380 | | |
| | 20 | 105 | 0.147887 | | |
| | 30 | 143 | 0.201408 | | |
| | 40 | 136 | 0.191549 | | |
| | 50 | 130 | 0.183099 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

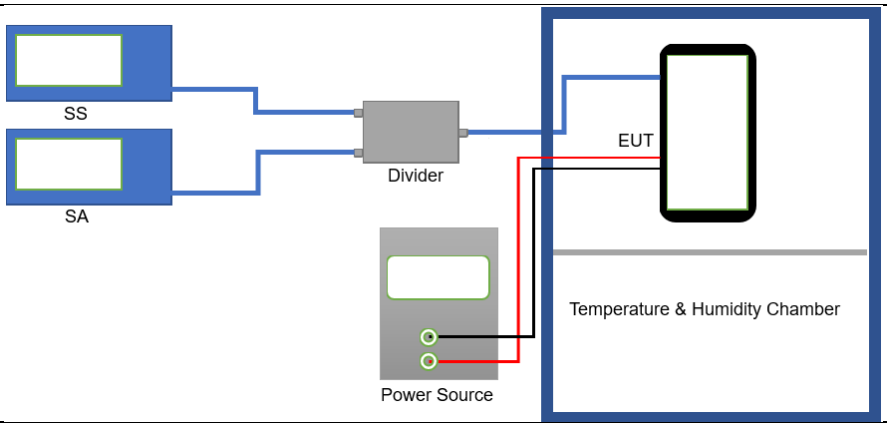
**LTE Band 66 part:**

| Reference Frequency: LTE Band 66 (10MHz) Middle channel=132322 channel=1745.00MHz | | | | | |
|---|---|---|---|---|---|
| Power supplied (Vdc) | Temperature (℃) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.70 | -30 | 176 | 0.100860 | Within authorized band for Band 66 | Pass |
| | -20 | 108 | 0.061891 | | |
| | -10 | 168 | 0.096275 | | |
| | 0 | 157 | 0.089971 | | |
| | 10 | 130 | 0.074499 | | |
| | 20 | 146 | 0.083668 | | |
| | 30 | 123 | 0.070487 | | |
| | 40 | 116 | 0.066476 | | |
| | 50 | 101 | 0.057880 | | |
| 16QAM | | | | | |
| 3.70 | -30 | 170 | 0.097421 | Within authorized band for Band 66 | Pass |
| | -20 | 164 | 0.093983 | | |
| | -10 | 156 | 0.089398 | | |
| | 0 | 148 | 0.084814 | | |
| | 10 | 140 | 0.080229 | | |
| | 20 | 133 | 0.076218 | | |
| | 30 | 126 | 0.072206 | | |
| | 40 | 117 | 0.067049 | | |
| | 50 | 109 | 0.062464 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 71 part:**

| Reference Frequency: LTE Band 71 (10MHz) Middle channel=133297 Frequency=680.50MHz | | | | | |
|---|---|---|---|---|---|
| Power supplied (Vdc) | Temperature (℃) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 3.70 | -30 | 166 | 0.243938 | Within authorized band for Band 71 | Pass |
| | -20 | 105 | 0.154298 | | |
| | -10 | 116 | 0.170463 | | |
| | 0 | 120 | 0.176341 | | |
| | 10 | 126 | 0.185158 | | |
| | 20 | 133 | 0.195445 | | |
| | 30 | 140 | 0.205731 | | |
| | 40 | 149 | 0.218957 | | |
| | 50 | 157 | 0.230713 | | |
| 16QAM | | | | | |
| 3.70 | -30 | 163 | 0.239530 | Within authorized band for Band 71 | Pass |
| | -20 | 112 | 0.164585 | | |
| | -10 | 155 | 0.227774 | | |
| | 0 | 144 | 0.211609 | | |
| | 10 | 139 | 0.204262 | | |
| | 20 | 130 | 0.191036 | | |
| | 30 | 124 | 0.182219 | | |
| | 40 | 108 | 0.158707 | | |
| | 50 | 102 | 0.149890 | | |
| *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) |
| Limit: | ±2.5 ppm for Band 5<br>Within authorized band for Band 2 & 4 & 12 & 13 & 17 & 66 & 71 |
| 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 5.10 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 | 89 | 0.047340 | Within authorized band for Band 2 | Pass |
| | 3.80 | 76 | 0.040426 | | |
| | 3.50 | 65 | 0.034574 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 80 | 0.042553 | Within authorized band for Band 2 | Pass |
| | 3.80 | 70 | 0.037234 | | |
| | 3.50 | 59 | 0.031383 | | |
| *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 | 88 | 0.050794 | Within authorized band for Band 4 | Pass |
| | 3.80 | 70 | 0.040404 | | |
| | 3.50 | 60 | 0.034632 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 80 | 0.046176 | Within authorized band for Band 4 | Pass |
| | 3.80 | 74 | 0.042713 | | |
| | 3.50 | 53 | 0.030592 | | |
| *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 | 90 | 0.107591 | ±2.5 | Pass |
| | 3.80 | 76 | 0.090855 | | |
| | 3.50 | 54 | 0.064555 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 83 | 0.099223 | ±2.5 | Pass |
| | 3.80 | 74 | 0.088464 | | |
| | 3.50 | 62 | 0.074118 | | |
| *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 | 88 | 0.124382 | Within authorized band for Band 12 | Pass |
| | 3.80 | 77 | 0.108834 | | |
| | 3.50 | 66 | 0.093286 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 83 | 0.117314 | Within authorized band for Band 12 | Pass |
| | 3.80 | 70 | 0.098940 | | |
| | 3.50 | 61 | 0.086219 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 13 part:**

| Reference Frequency: LTE Band 13(10MHz) Middle channel=23230 channel=782.00MHz | | | | | |
|---|---|---|---|---|---|
| Temperature (℃) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 4.20 | 87 | 0.111253 | Within authorized band for Band 13 | Pass |
| | 3.70 | 67 | 0.085678 | | |
| | 3.50 | 57 | 0.072890 | | |
| 16QAM | | | | | |
| 25 | 4.20 | 85 | 0.108696 | Within authorized band for Band 13 | Pass |
| | 3.70 | 73 | 0.093350 | | |
| | 3.50 | 52 | 0.066496 | | |
| *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 | 91 | 0.128169 | Within authorized band for Band 17 | Pass |
| | 3.80 | 73 | 0.102817 | | |
| | 3.50 | 50 | 0.070423 | | |
| 16QAM | | | | | |
| 25 | 4.35 | 84 | 0.118310 | Within authorized band for Band 17 | Pass |
| | 3.80 | 72 | 0.101408 | | |
| | 3.50 | 60 | 0.084507 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 66 part:**

| Reference Frequency: LTE Band 66(10MHz) Middle channel=132332 channel=1745.00MHz | | | | | |
|---|---|---|---|---|---|
| Temperature (℃) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 4.20 | 87 | 0.049857 | Within authorized band for Band 66 | Pass |
| | 3.70 | 64 | 0.036676 | | |
| | 3.50 | 53 | 0.030372 | | |
| 16QAM | | | | | |
| 25 | 4.20 | 84 | 0.048138 | Within authorized band for Band 66 | Pass |
| | 3.70 | 62 | 0.035530 | | |
| | 3.50 | 51 | 0.029226 | | |
| *Note: Only the worst case shown in the report.* | | | | | |

**LTE Band 71 part:**

| Reference Frequency: LTE Band 71(10MHz) Middle channel=133297 Frequency=680.50MHz | | | | | |
|---|---|---|---|---|---|
| Temperature (℃) | Power supplied (Vdc) | Frequency error | | Limit (ppm) | Result |
| | | Hz | ppm | | |
| QPSK | | | | | |
| 25 | 4.20 | 89 | 0.130786 | Within authorized band for Band 71 | Pass |
| | 3.70 | 50 | 0.073475 | | |
| | 3.50 | 69 | 0.101396 | | |
| 16QAM | | | | | |
| 25 | 4.20 | 82 | 0.120500 | Within authorized band for Band 71 | Pass |
| | 3.70 | 64 | 0.094048 | | |
| | 3.50 | 70 | 0.102866 | | |
| *Note: Only the worst case shown in the report.* | | | | | |