



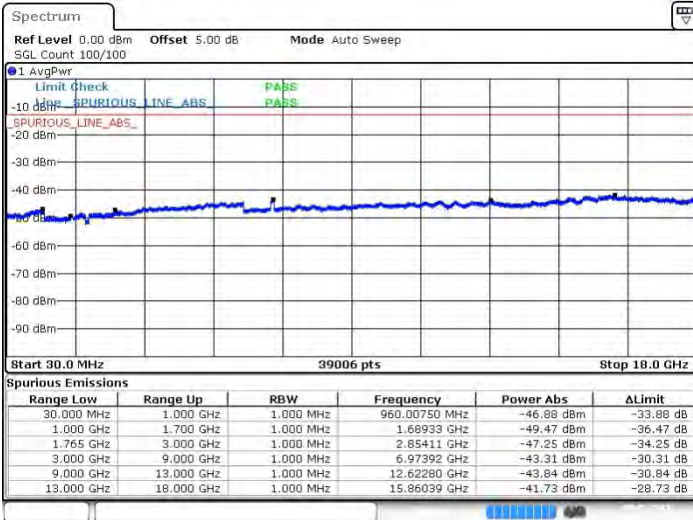
## **Conducted Spurious Emission**



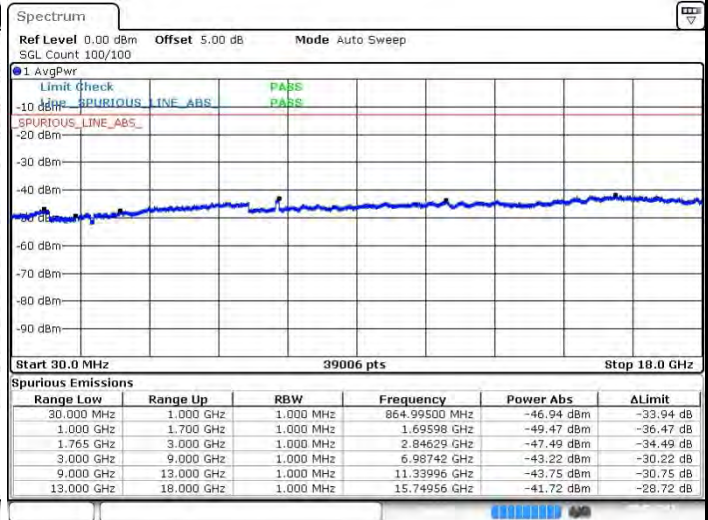
## LTE Band 4 / 1.4MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM



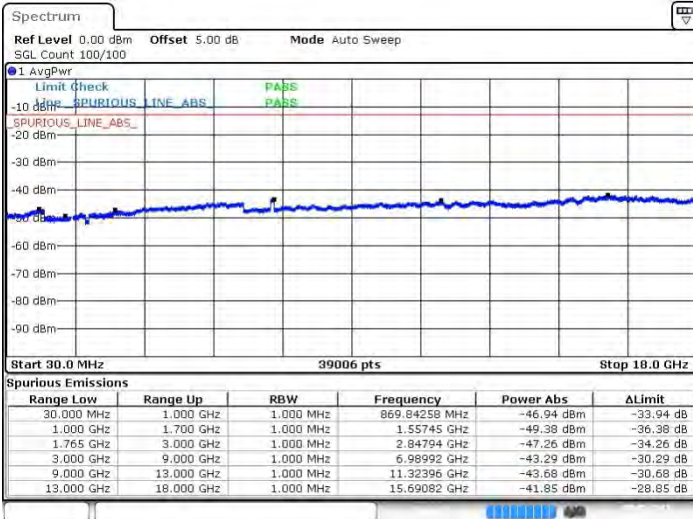
Date: 8 MAY, 2015 19:43:53



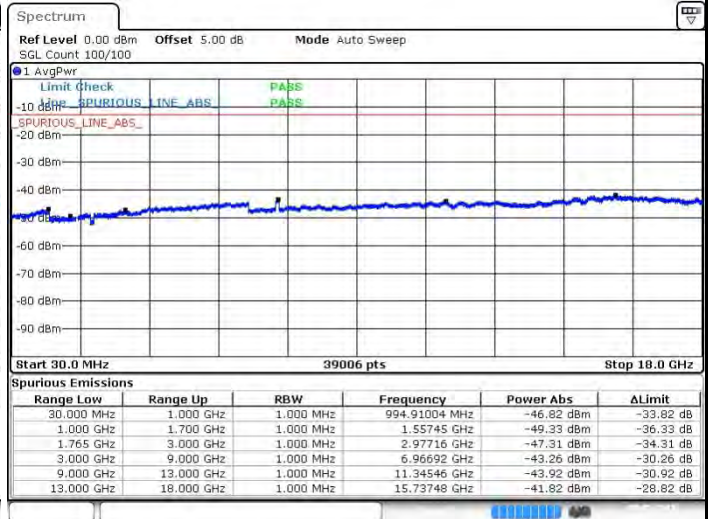
Date: 8 MAY, 2015 19:45:11

## Middle Channel / QPSK

## Middle Channel / 16QAM



Date: 8 MAY, 2015 19:47:13



Date: 8 MAY, 2015 19:48:31



## LTE Band 4 / 1.4MHz

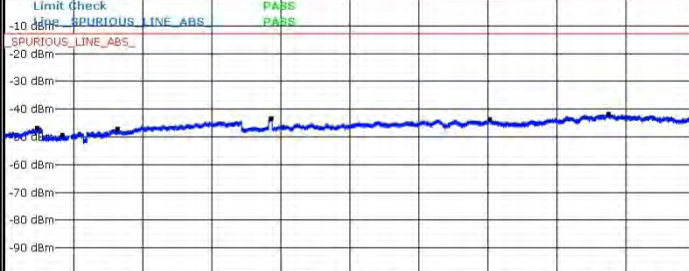
## Highest Channel / QPSK

## Highest Channel / 16QAM

Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep  
SGL Count 100/100

1 AvgPwr



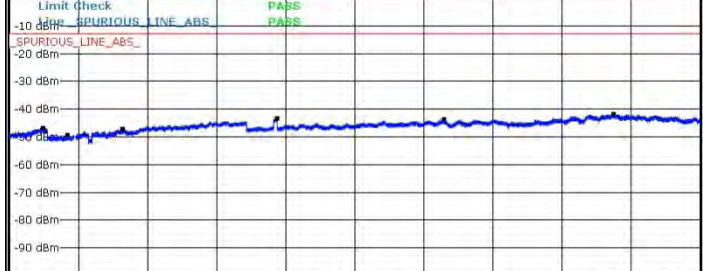
| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 876.14443 MHz | -46.76 dBm | -33.76 dB |
| 1.000 GHz  | 1.700 GHz  | 1.000 MHz | 1.52491 GHz   | -49.46 dBm | -36.46 dB |
| 1.765 GHz  | 3.000 GHz  | 1.000 MHz | 2.97304 GHz   | -47.32 dBm | -34.32 dB |
| 3.000 GHz  | 9.000 GHz  | 1.000 MHz | 6.96892 GHz   | -43.27 dBm | -30.27 dB |
| 9.000 GHz  | 13.000 GHz | 1.000 MHz | 12.64329 GHz  | -43.82 dBm | -30.82 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.74331 GHz  | -41.90 dBm | -28.90 dB |

Date: 8 MAY 2015 19:50:33

Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep  
SGL Count 100/100

1 AvgPwr



| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 883.41579 MHz | -46.84 dBm | -33.84 dB |
| 1.000 GHz  | 1.700 GHz  | 1.000 MHz | 1.52456 GHz   | -49.52 dBm | -36.52 dB |
| 1.765 GHz  | 3.000 GHz  | 1.000 MHz | 2.97346 GHz   | -47.32 dBm | -34.32 dB |
| 3.000 GHz  | 9.000 GHz  | 1.000 MHz | 6.99842 GHz   | -43.25 dBm | -30.25 dB |
| 9.000 GHz  | 13.000 GHz | 1.000 MHz | 11.33896 GHz  | -43.76 dBm | -30.76 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.75415 GHz  | -41.83 dBm | -28.83 dB |

Date: 8 MAY 2015 19:51:51

## LTE Band 4 / 3MHz

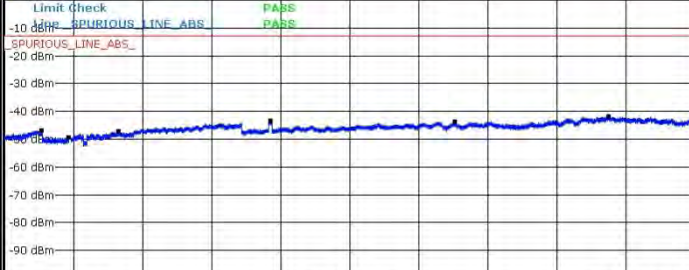
## Lowest Channel / QPSK

## Lowest Channel / 16QAM

Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep  
SGL Count 100/100

1 AvgPwr



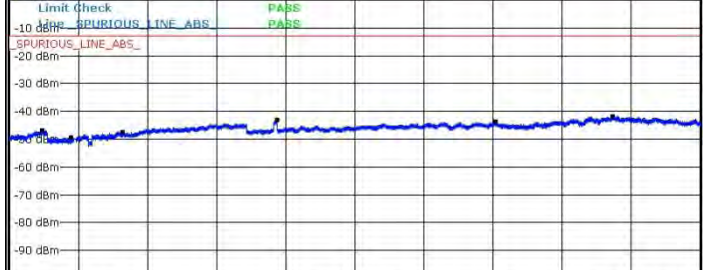
| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 978.91304 MHz | -47.00 dBm | -34.00 dB |
| 1.000 GHz  | 1.700 GHz  | 1.000 MHz | 1.69458 GHz   | -49.39 dBm | -36.39 dB |
| 1.765 GHz  | 3.000 GHz  | 1.000 MHz | 2.99486 GHz   | -47.27 dBm | -34.27 dB |
| 3.000 GHz  | 9.000 GHz  | 1.000 MHz | 6.93742 GHz   | -43.32 dBm | -30.32 dB |
| 9.000 GHz  | 13.000 GHz | 1.000 MHz | 11.74591 GHz  | -43.65 dBm | -30.65 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.75831 GHz  | -41.70 dBm | -28.70 dB |

Date: 8 MAY 2015 19:53:53

Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep  
SGL Count 100/100

1 AvgPwr



| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 888.38631 MHz | -46.76 dBm | -33.76 dB |
| 1.000 GHz  | 1.700 GHz  | 1.000 MHz | 1.63301 GHz   | -49.36 dBm | -36.36 dB |
| 1.765 GHz  | 3.000 GHz  | 1.000 MHz | 2.97140 GHz   | -47.45 dBm | -34.45 dB |
| 3.000 GHz  | 9.000 GHz  | 1.000 MHz | 6.99942 GHz   | -43.15 dBm | -30.15 dB |
| 9.000 GHz  | 13.000 GHz | 1.000 MHz | 12.66729 GHz  | -43.75 dBm | -30.75 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.72040 GHz  | -41.83 dBm | -28.83 dB |

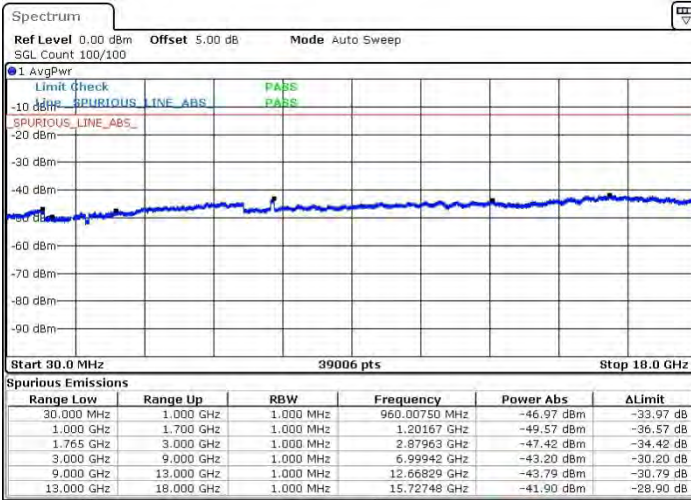
Date: 8 MAY 2015 19:55:11



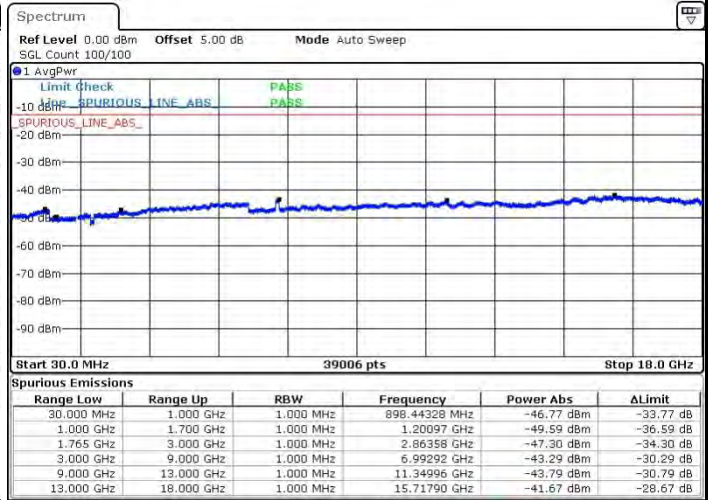
## LTE Band 4 / 3MHz

## Middle Channel / QPSK

## Middle Channel / 16QAM



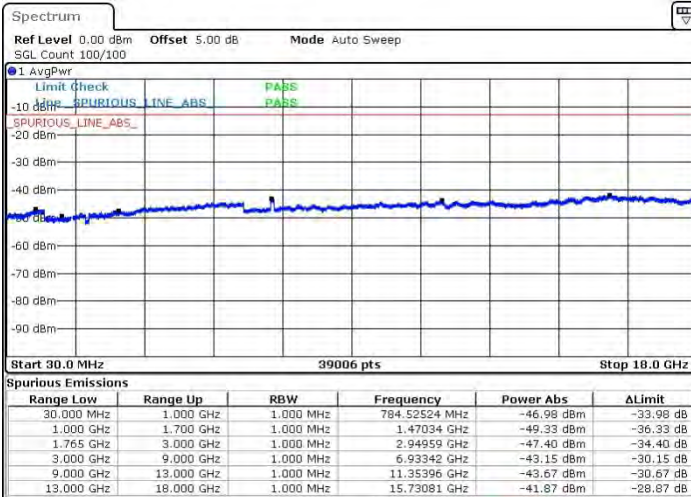
Date: 8 MAY 2015 19:57:13



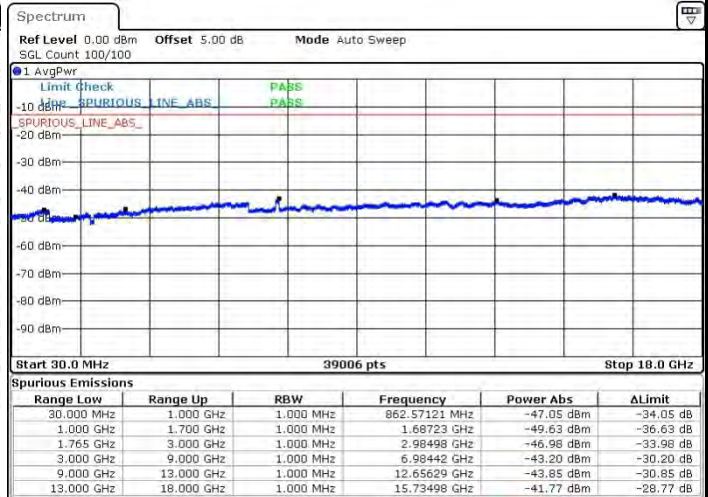
Date: 8 MAY 2015 19:58:32

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 8 MAY 2015 20:00:34



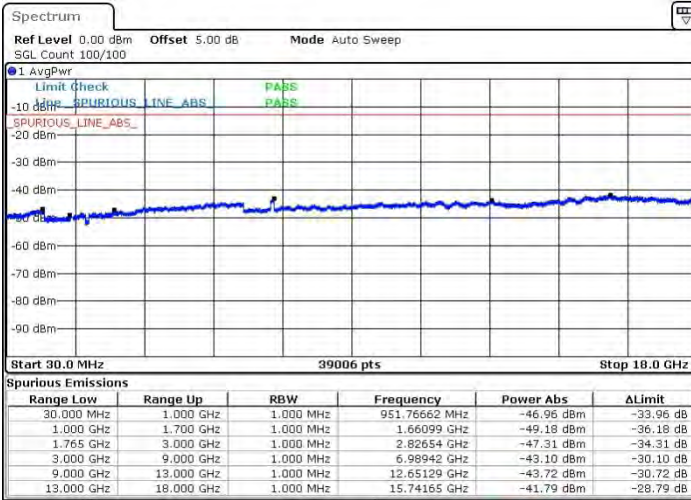
Date: 8 MAY 2015 20:01:52



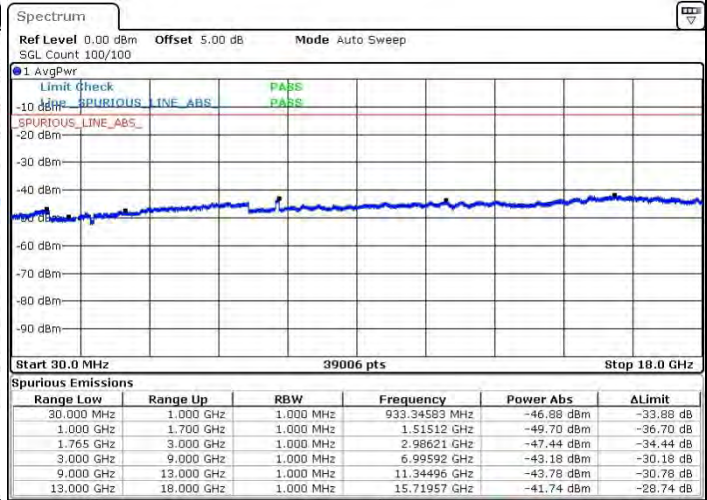
## LTE Band 4 / 5MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM



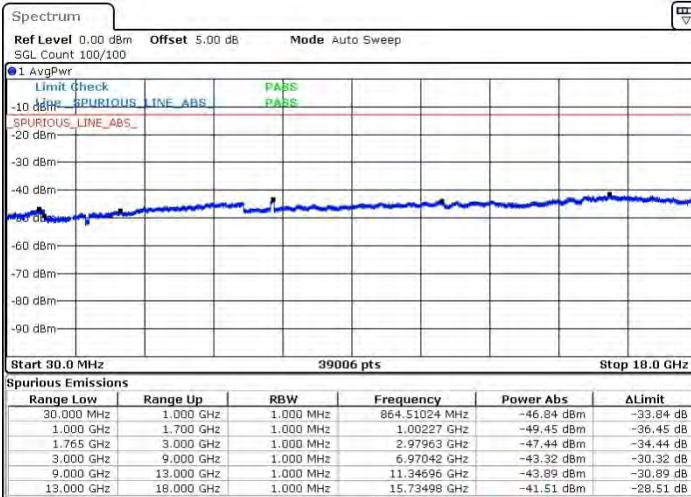
Date: 8 MAY 2015 20:03:54



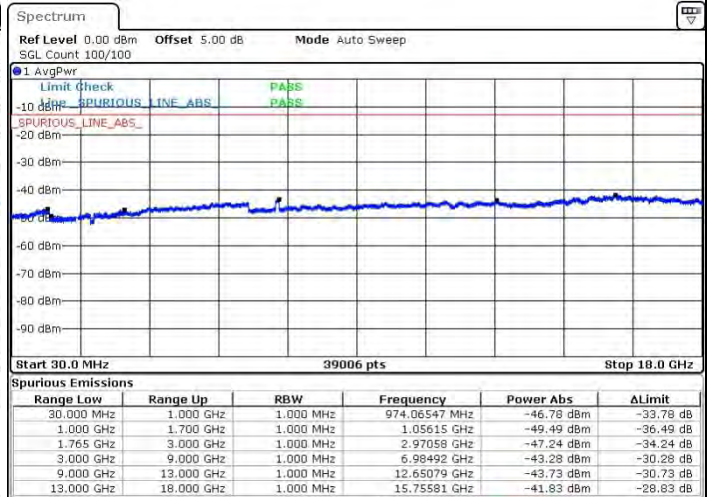
Date: 8 MAY 2015 20:05:12

## Middle Channel / QPSK

## Middle Channel / 16QAM



Date: 8 MAY 2015 20:07:14



Date: 8 MAY 2015 20:08:32

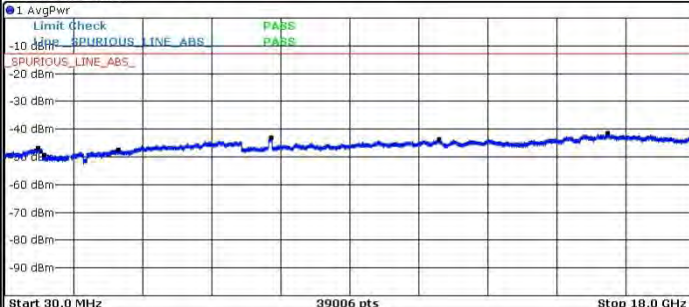


## LTE Band 4 / 5MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM

Spectrum

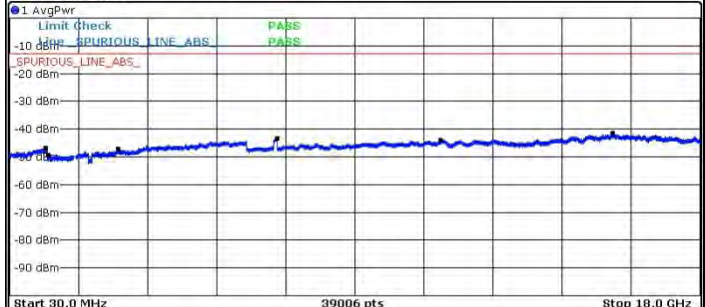
Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep  
SGL Count 100/100

Spurious Emissions

| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 893.11094 MHz | -46.95 dBm | -33.95 dB |
| 1.000 GHz  | 1.700 GHz  | 1.000 MHz | 1.04880 GHz   | -49.41 dBm | -36.41 dB |
| 1.765 GHz  | 3.000 GHz  | 1.000 MHz | 2.98786 GHz   | -47.48 dBm | -34.48 dB |
| 3.000 GHz  | 9.000 GHz  | 1.000 MHz | 6.96392 GHz   | -43.01 dBm | -30.01 dB |
| 9.000 GHz  | 13.000 GHz | 1.000 MHz | 11.33996 GHz  | -43.78 dBm | -30.78 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.72581 GHz  | -41.42 dBm | -28.42 dB |

Date: 8 MAY 2015 20:10:34

Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep  
SGL Count 100/100

Spurious Emissions

| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 969.24838 MHz | -46.74 dBm | -33.74 dB |
| 1.000 GHz  | 1.700 GHz  | 1.000 MHz | 1.02326 GHz   | -49.53 dBm | -36.53 dB |
| 1.765 GHz  | 3.000 GHz  | 1.000 MHz | 2.84547 GHz   | -47.20 dBm | -34.20 dB |
| 3.000 GHz  | 9.000 GHz  | 1.000 MHz | 6.99942 GHz   | -43.35 dBm | -30.35 dB |
| 9.000 GHz  | 13.000 GHz | 1.000 MHz | 11.23997 GHz  | -43.89 dBm | -30.89 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.72040 GHz  | -41.60 dBm | -28.60 dB |

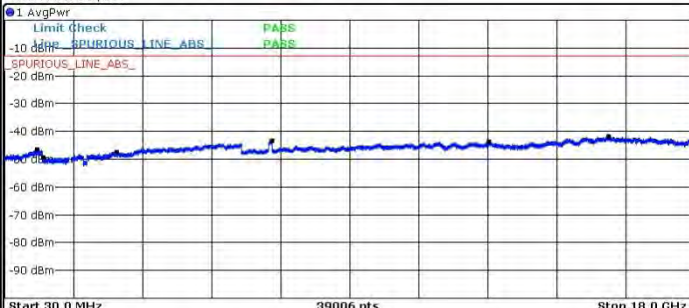
Date: 8 MAY 2015 20:11:52

## LTE Band 4 / 10MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM

Spectrum

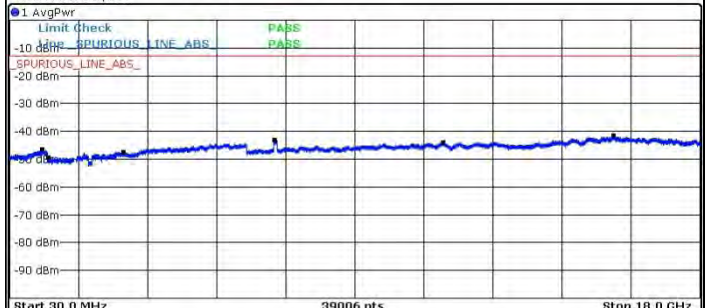
Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep  
SGL Count 100/100

Spurious Emissions

| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 870.81209 MHz | -46.51 dBm | -33.51 dB |
| 1.000 GHz  | 1.700 GHz  | 1.000 MHz | 1.03306 GHz   | -49.51 dBm | -36.51 dB |
| 1.765 GHz  | 3.000 GHz  | 1.000 MHz | 2.93806 GHz   | -47.41 dBm | -34.41 dB |
| 3.000 GHz  | 9.000 GHz  | 1.000 MHz | 6.99492 GHz   | -43.26 dBm | -30.26 dB |
| 9.000 GHz  | 13.000 GHz | 1.000 MHz | 12.62030 GHz  | -43.80 dBm | -30.80 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.73915 GHz  | -41.79 dBm | -28.79 dB |

Date: 8 MAY 2015 20:13:54

Spectrum

Ref Level 0.00 dBm Offset 5.00 dB Mode Auto Sweep  
SGL Count 100/100

Spurious Emissions

| Range Low  | Range Up   | RBW       | Frequency     | Power Abs  | ΔLimit    |
|------------|------------|-----------|---------------|------------|-----------|
| 30.000 MHz | 1.000 GHz  | 1.000 MHz | 875.65967 MHz | -46.59 dBm | -33.59 dB |
| 1.000 GHz  | 1.700 GHz  | 1.000 MHz | 1.02151 GHz   | -49.51 dBm | -36.51 dB |
| 1.765 GHz  | 3.000 GHz  | 1.000 MHz | 2.98992 GHz   | -47.36 dBm | -34.36 dB |
| 3.000 GHz  | 9.000 GHz  | 1.000 MHz | 6.92092 GHz   | -43.15 dBm | -30.15 dB |
| 9.000 GHz  | 13.000 GHz | 1.000 MHz | 11.31646 GHz  | -43.88 dBm | -30.88 dB |
| 13.000 GHz | 18.000 GHz | 1.000 MHz | 15.74665 GHz  | -41.60 dBm | -28.60 dB |

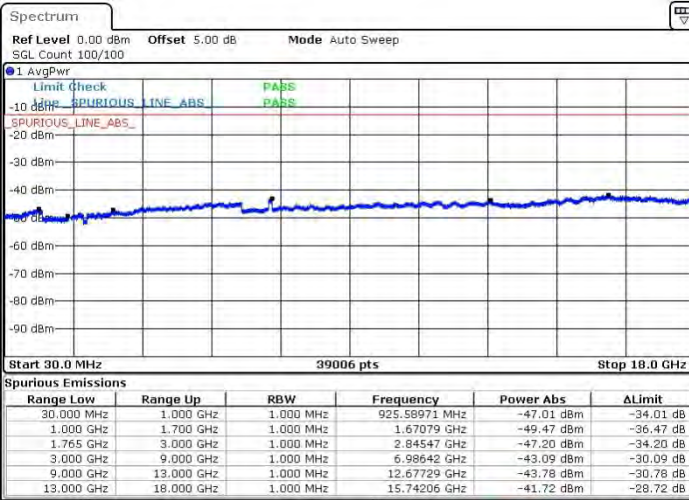
Date: 8 MAY 2015 20:15:13



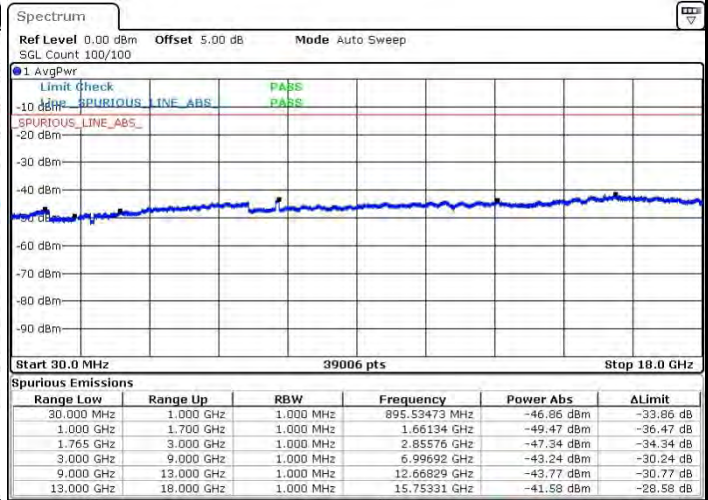
## LTE Band 4 / 10MHz

## Middle Channel / QPSK

## Middle Channel / 16QAM



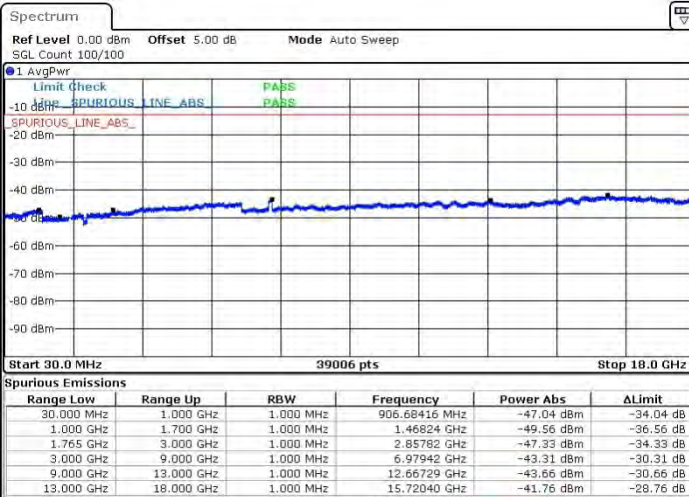
Date: 8 MAY 2015 20:17:15



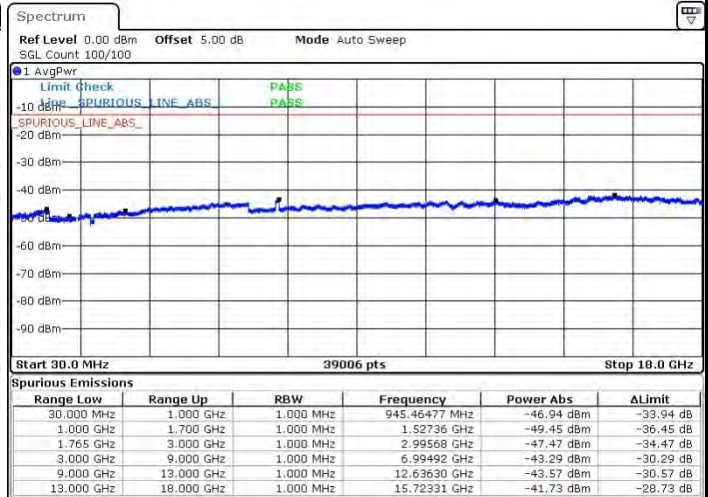
Date: 8 MAY 2015 20:18:33

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 8 MAY 2015 20:20:35



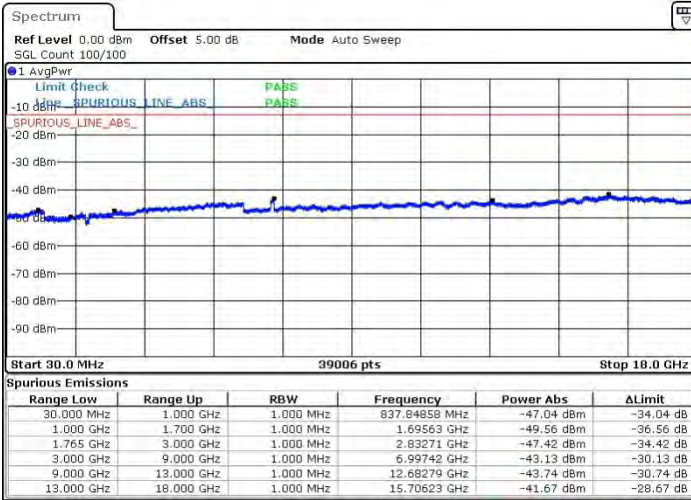
Date: 8 MAY 2015 20:21:53



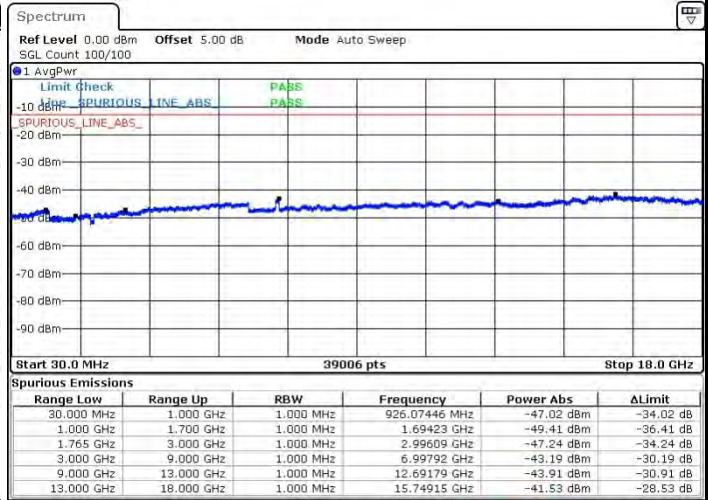
## LTE Band 4 / 15MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM



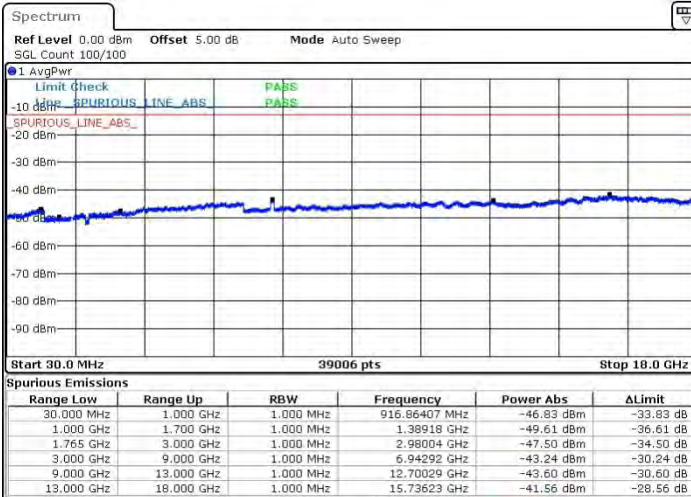
Date: 8 MAY 2015 20:23:55



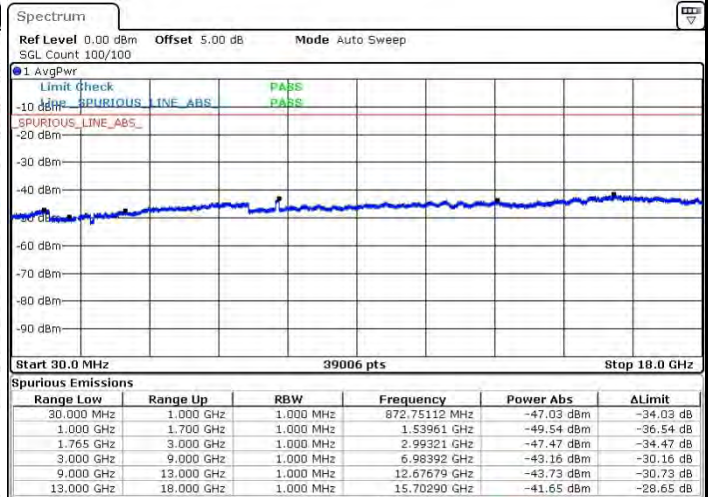
Date: 8 MAY 2015 20:25:15

## Middle Channel / QPSK

## Middle Channel / 16QAM



Date: 8 MAY 2015 20:27:17



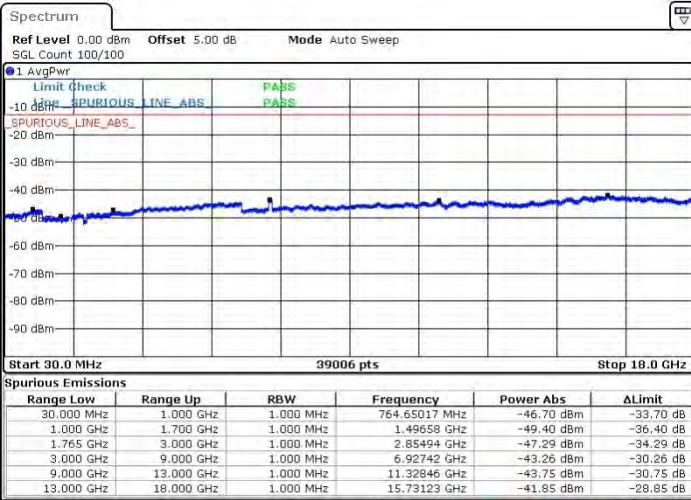
Date: 8 MAY 2015 20:28:35



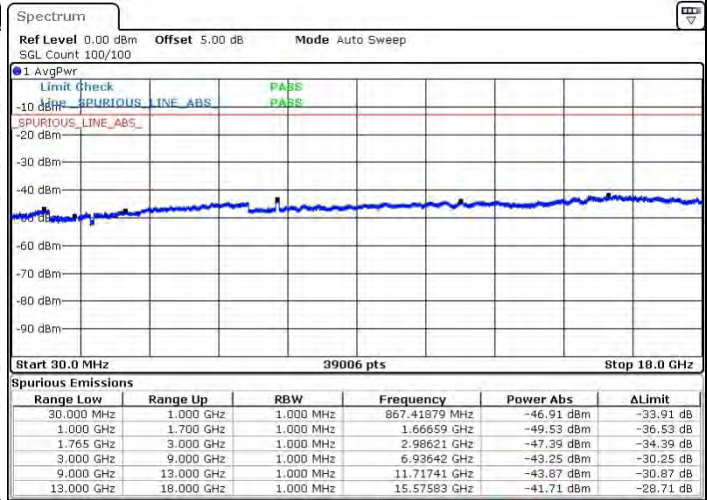
## LTE Band 4 / 15MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 8 MAY 2015 20:30:37

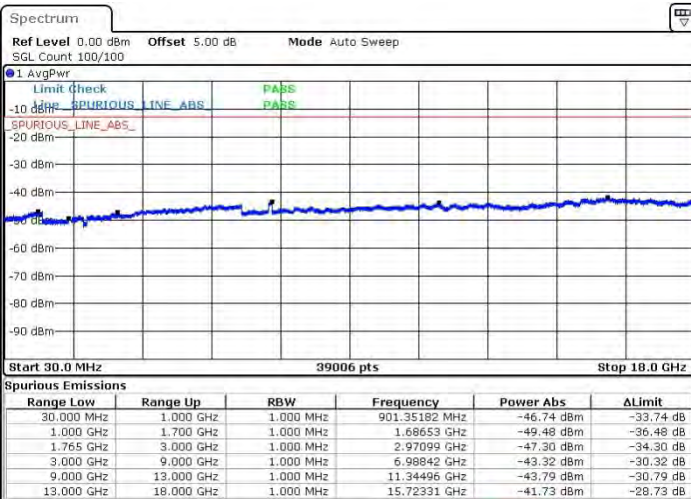


Date: 8 MAY 2015 20:31:56

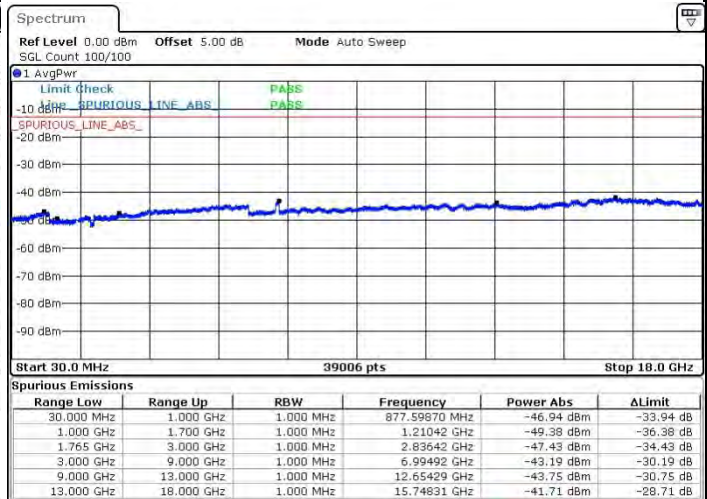
## LTE Band 4 / 20MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM



Date: 8 MAY 2015 20:33:58



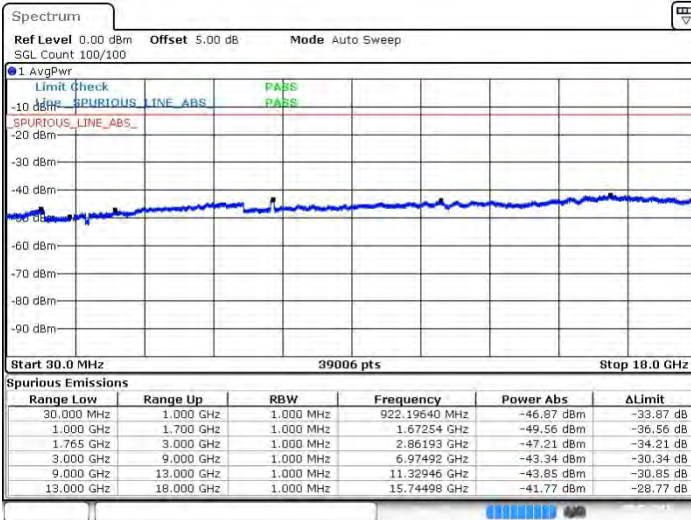
Date: 8 MAY 2015 20:35:16



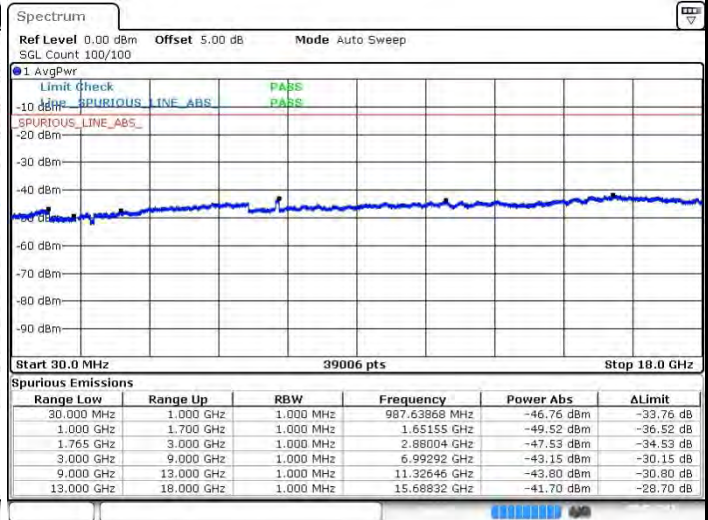
## LTE Band 4 / 20MHz

## Middle Channel / QPSK

## Middle Channel / 16QAM



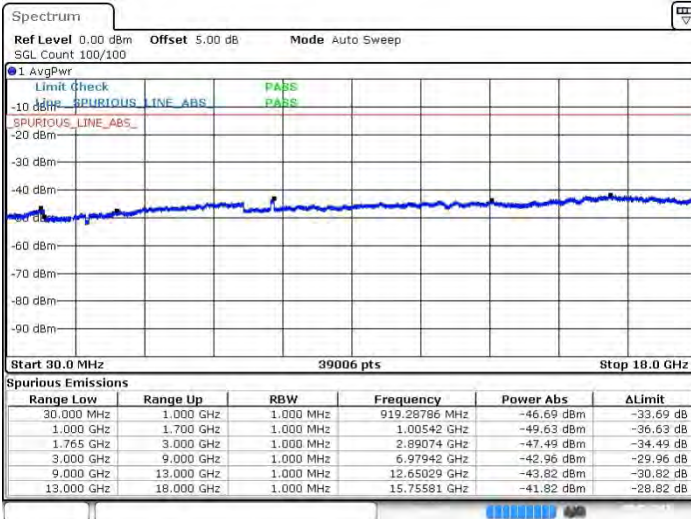
Date: 8 MAY, 2015 20:37:18



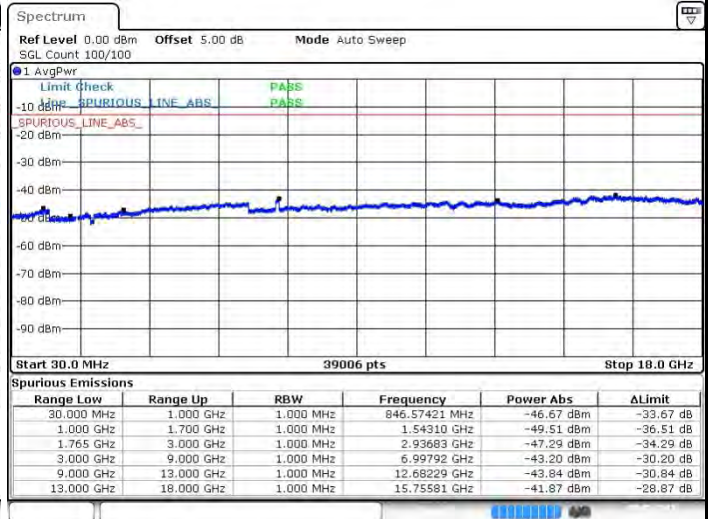
Date: 8 MAY, 2015 20:38:36

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 8 MAY, 2015 20:40:38



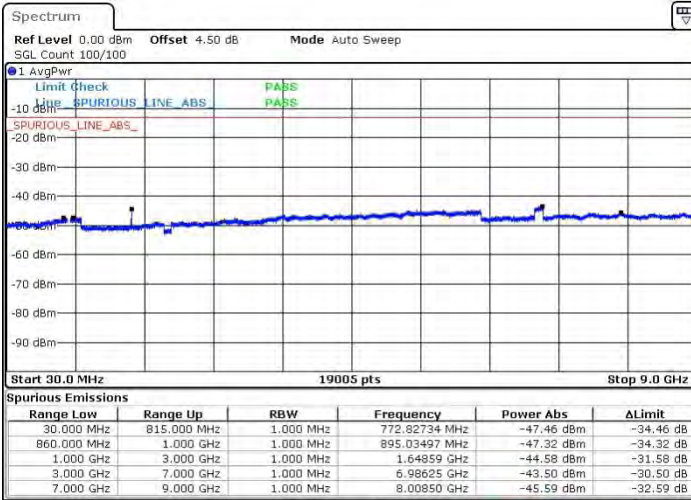
Date: 8 MAY, 2015 20:41:56



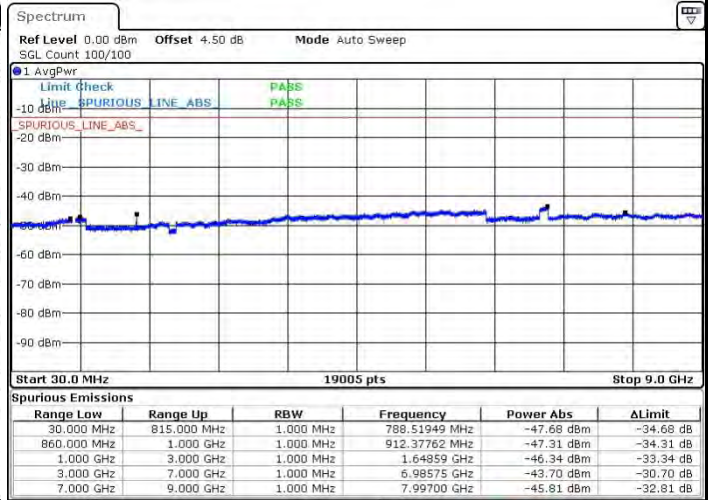
## LTE Band 5 / 1.4MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM



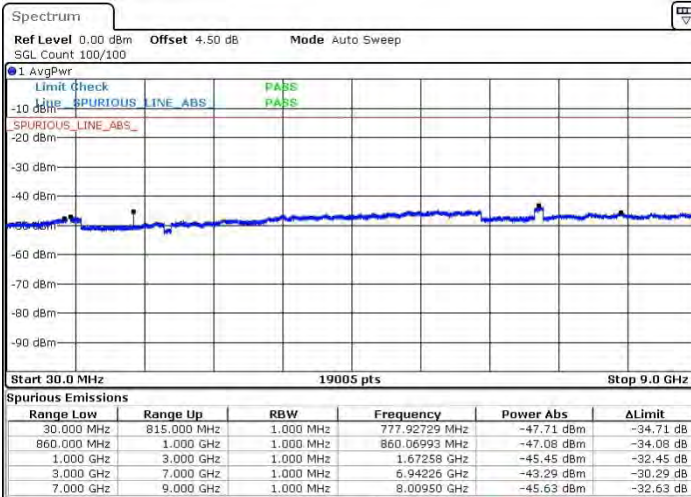
Date: 10 MAY 2015 09:18:57



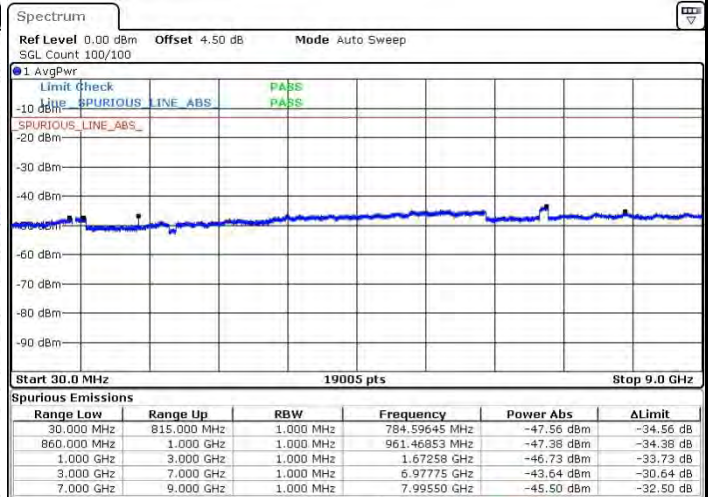
Date: 10 MAY 2015 09:20:16

## Middle Channel / QPSK

## Middle Channel / 16QAM



Date: 10 MAY 2015 09:22:17



Date: 10 MAY 2015 09:23:35

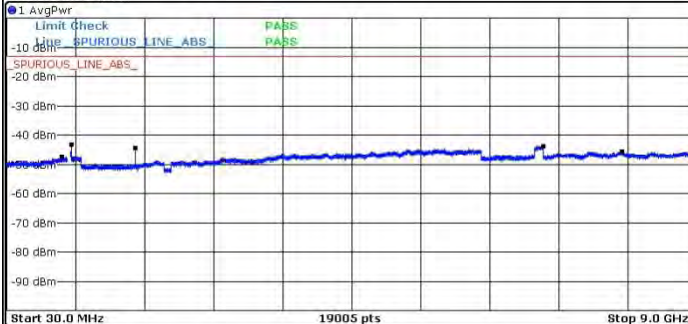


## LTE Band 5 / 1.4MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM

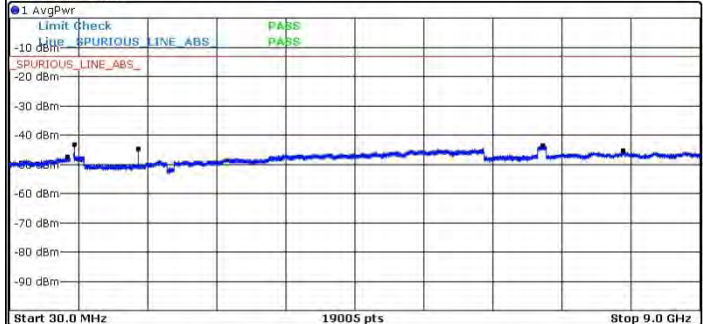
Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep  
SGL Count 100/100

| Range Low   | Range Up    | RBW       | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz  | 815.000 MHz | 1.000 MHz | 742.22764 MHz | -47.55 dBm | -34.55 dB |
| 860.000 MHz | 1.000 GHz   | 1.000 MHz | 866.92308 MHz | -43.26 dBm | -30.26 dB |
| 1.000 GHz   | 3.000 GHz   | 1.000 MHz | 1.69608 GHz   | -44.52 dBm | -31.52 dB |
| 3.000 GHz   | 7.000 GHz   | 1.000 MHz | 6.99675 GHz   | -43.82 dBm | -30.82 dB |
| 7.000 GHz   | 9.000 GHz   | 1.000 MHz | 8.02549 GHz   | -45.67 dBm | -32.67 dB |

Date: 10 MAY 2015 09:25:36

Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep  
SGL Count 100/100

| Range Low   | Range Up    | RBW       | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz  | 815.000 MHz | 1.000 MHz | 781.45802 MHz | -47.53 dBm | -34.53 dB |
| 860.000 MHz | 1.000 GHz   | 1.000 MHz | 866.92308 MHz | -43.24 dBm | -30.24 dB |
| 1.000 GHz   | 3.000 GHz   | 1.000 MHz | 1.69608 GHz   | -44.86 dBm | -31.86 dB |
| 3.000 GHz   | 7.000 GHz   | 1.000 MHz | 6.96025 GHz   | -43.48 dBm | -30.48 dB |
| 7.000 GHz   | 9.000 GHz   | 1.000 MHz | 8.00050 GHz   | -45.47 dBm | -32.47 dB |

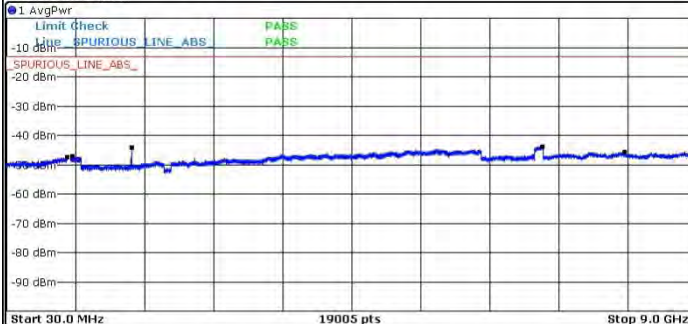
Date: 10 MAY 2015 09:26:54

## LTE Band 5 / 3MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM

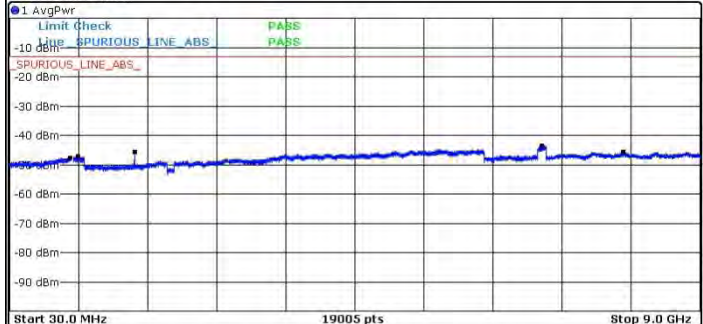
Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep  
SGL Count 100/100

| Range Low   | Range Up    | RBW       | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz  | 815.000 MHz | 1.000 MHz | 611.27311 MHz | -47.61 dBm | -34.61 dB |
| 860.000 MHz | 1.000 GHz   | 1.000 MHz | 865.80420 MHz | -47.27 dBm | -34.27 dB |
| 1.000 GHz   | 3.000 GHz   | 1.000 MHz | 1.64859 GHz   | -44.27 dBm | -31.27 dB |
| 3.000 GHz   | 7.000 GHz   | 1.000 MHz | 6.99275 GHz   | -43.74 dBm | -30.74 dB |
| 7.000 GHz   | 9.000 GHz   | 1.000 MHz | 8.06148 GHz   | -45.80 dBm | -32.80 dB |

Date: 10 MAY 2015 09:28:56

Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep  
SGL Count 100/100

| Range Low   | Range Up    | RBW       | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz  | 815.000 MHz | 1.000 MHz | 809.70390 MHz | -47.68 dBm | -34.68 dB |
| 860.000 MHz | 1.000 GHz   | 1.000 MHz | 910.27972 MHz | -47.27 dBm | -34.27 dB |
| 1.000 GHz   | 3.000 GHz   | 1.000 MHz | 1.64909 GHz   | -45.55 dBm | -32.55 dB |
| 3.000 GHz   | 7.000 GHz   | 1.000 MHz | 6.94026 GHz   | -43.56 dBm | -30.56 dB |
| 7.000 GHz   | 9.000 GHz   | 1.000 MHz | 8.00000 GHz   | -45.79 dBm | -32.79 dB |

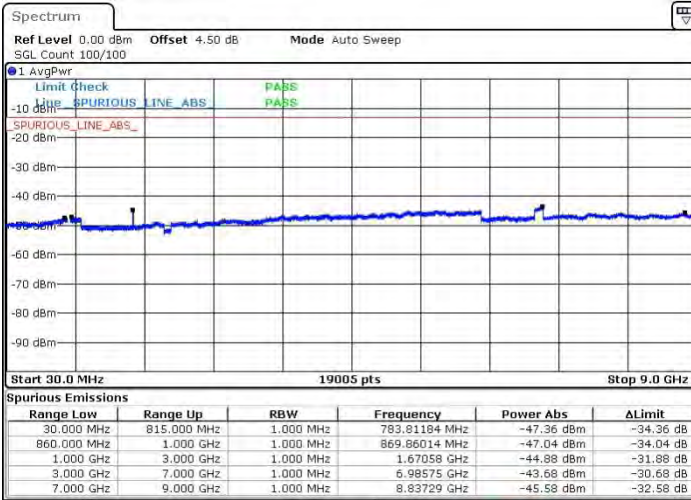
Date: 10 MAY 2015 09:30:13



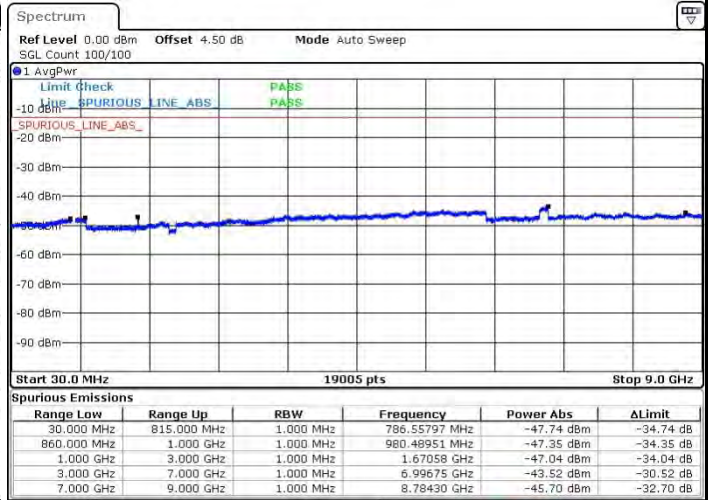
## LTE Band 5 / 3MHz

## Middle Channel / QPSK

## Middle Channel / 16QAM



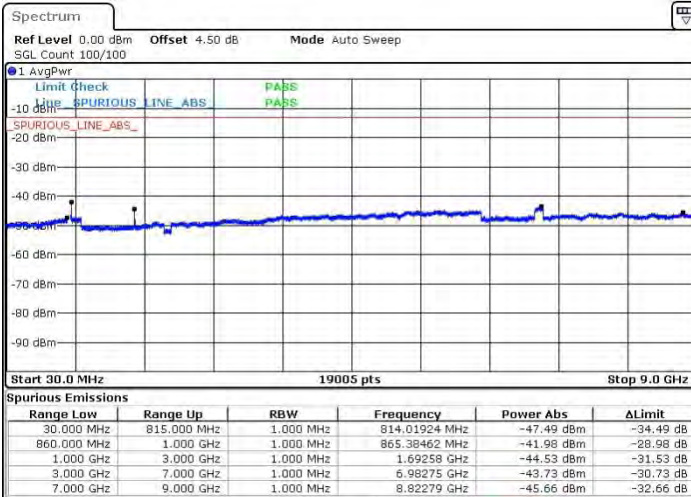
Date: 10 MAY 2015 09:32:15



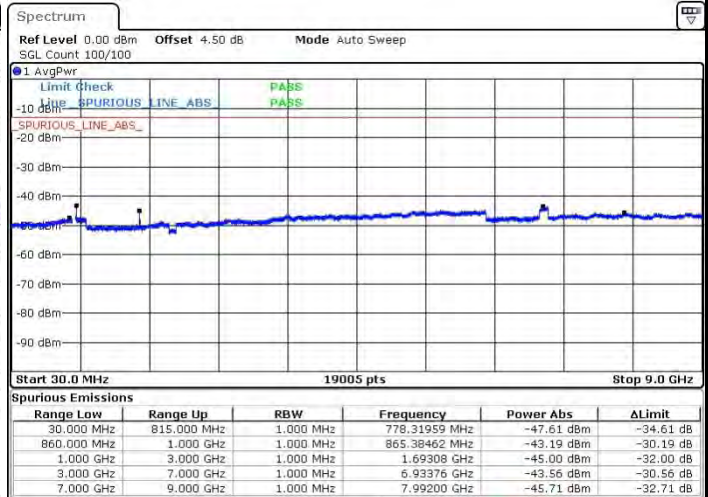
Date: 10 MAY 2015 09:33:33

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 10 MAY 2015 09:35:34



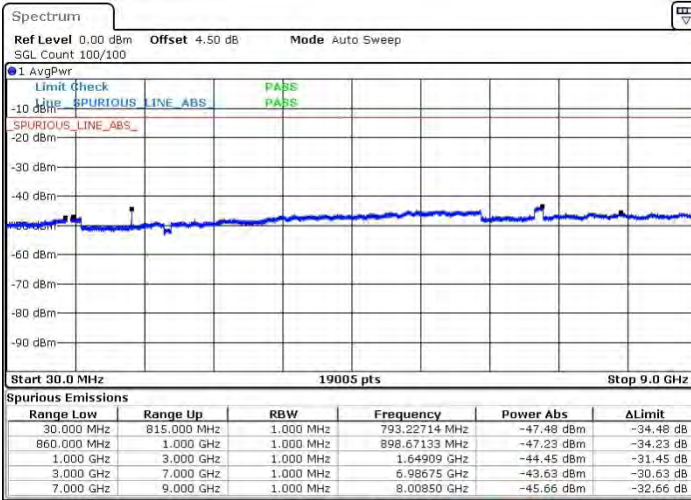
Date: 10 MAY 2015 09:36:52



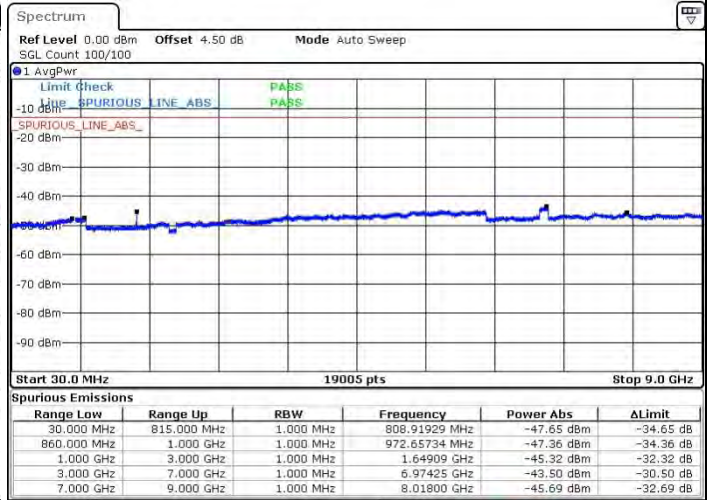
## LTE Band 5 / 5MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM



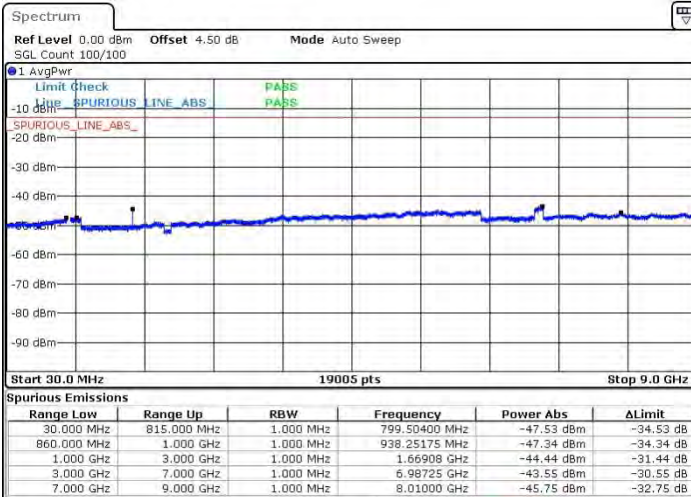
Date: 10 MAY 2015 09:38:54



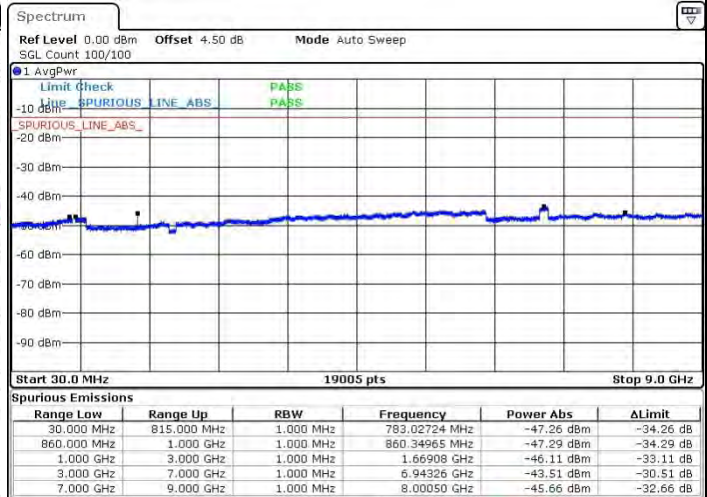
Date: 10 MAY 2015 09:40:11

## Middle Channel / QPSK

## Middle Channel / 16QAM



Date: 10 MAY 2015 09:42:13



Date: 10 MAY 2015 09:43:31

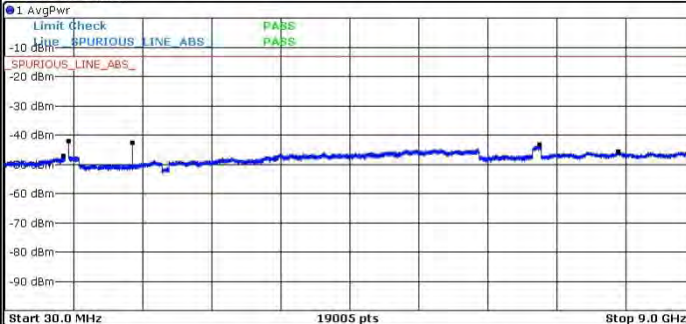


## LTE Band 5 / 5MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM

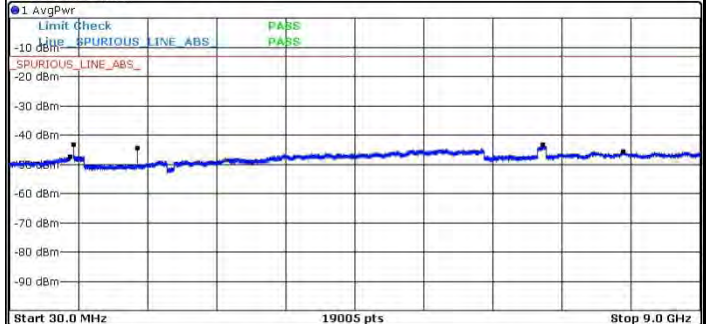
Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep  
SGL Count 100/100

| Range Low   | Range Up    | RBW       | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz  | 815.000 MHz | 1.000 MHz | 792.83483 MHz | -47.25 dBm | -34.25 dB |
| 860.000 MHz | 1.000 GHz   | 1.000 MHz | 863.42657 MHz | -42.01 dBm | -29.01 dB |
| 1.000 GHz   | 3.000 GHz   | 1.000 MHz | 1.68908 GHz   | -42.58 dBm | -29.58 dB |
| 3.000 GHz   | 7.000 GHz   | 1.000 MHz | 6.97725 GHz   | -43.42 dBm | -30.42 dB |
| 7.000 GHz   | 9.000 GHz   | 1.000 MHz | 7.99900 GHz   | -45.55 dBm | -32.55 dB |

Date: 10 MAY 2015 09:45:32

Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep  
SGL Count 100/100

| Range Low   | Range Up    | RBW       | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz  | 815.000 MHz | 1.000 MHz | 808.13468 MHz | -47.59 dBm | -34.59 dB |
| 860.000 MHz | 1.000 GHz   | 1.000 MHz | 863.28671 MHz | -43.19 dBm | -30.19 dB |
| 1.000 GHz   | 3.000 GHz   | 1.000 MHz | 1.68908 GHz   | -44.41 dBm | -31.41 dB |
| 3.000 GHz   | 7.000 GHz   | 1.000 MHz | 6.95926 GHz   | -43.42 dBm | -30.42 dB |
| 7.000 GHz   | 9.000 GHz   | 1.000 MHz | 7.99650 GHz   | -45.68 dBm | -32.68 dB |

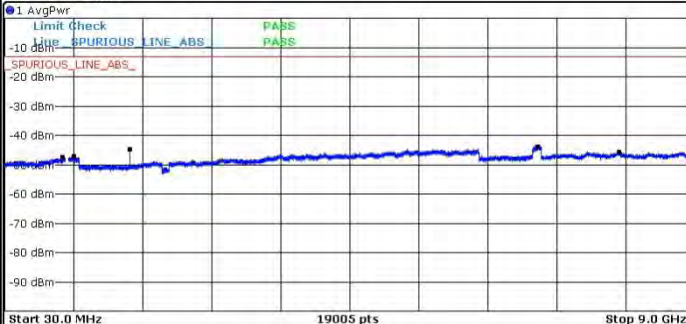
Date: 10 MAY 2015 09:46:50

## LTE Band 5 / 10MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM

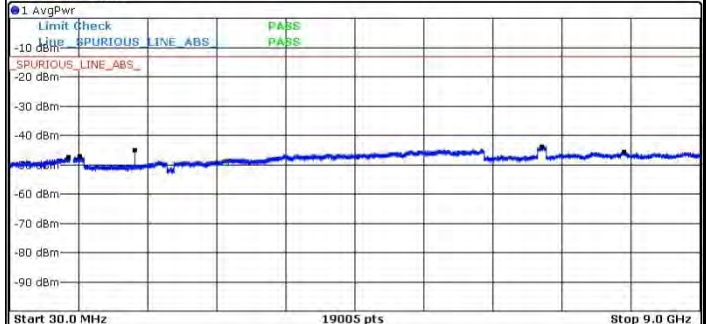
Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep  
SGL Count 100/100

| Range Low   | Range Up    | RBW       | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz  | 815.000 MHz | 1.000 MHz | 781.45802 MHz | -47.55 dBm | -34.55 dB |
| 860.000 MHz | 1.000 GHz   | 1.000 MHz | 929.72028 MHz | -47.27 dBm | -34.27 dB |
| 1.000 GHz   | 3.000 GHz   | 1.000 MHz | 1.64959 GHz   | -44.83 dBm | -31.83 dB |
| 3.000 GHz   | 7.000 GHz   | 1.000 MHz | 6.95626 GHz   | -43.77 dBm | -30.77 dB |
| 7.000 GHz   | 9.000 GHz   | 1.000 MHz | 8.00650 GHz   | -45.71 dBm | -32.71 dB |

Date: 10 MAY 2015 09:48:51

Spectrum

Ref Level 0.00 dBm Offset 4.50 dB Mode Auto Sweep  
SGL Count 100/100

| Range Low   | Range Up    | RBW       | Frequency     | Power Abs  | ΔLimit    |
|-------------|-------------|-----------|---------------|------------|-----------|
| 30.000 MHz  | 815.000 MHz | 1.000 MHz | 796.36557 MHz | -47.51 dBm | -34.51 dB |
| 860.000 MHz | 1.000 GHz   | 1.000 MHz | 933.35664 MHz | -47.28 dBm | -34.28 dB |
| 1.000 GHz   | 3.000 GHz   | 1.000 MHz | 1.64959 GHz   | -44.96 dBm | -31.96 dB |
| 3.000 GHz   | 7.000 GHz   | 1.000 MHz | 6.95026 GHz   | -43.89 dBm | -30.89 dB |
| 7.000 GHz   | 9.000 GHz   | 1.000 MHz | 8.01450 GHz   | -45.80 dBm | -32.80 dB |

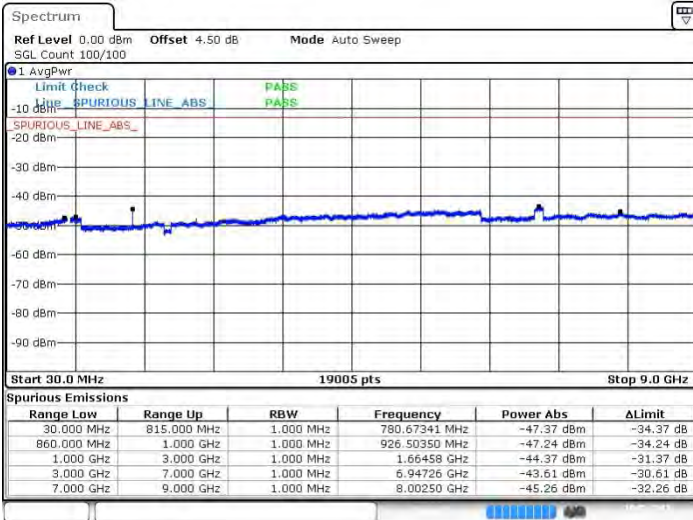
Date: 10 MAY 2015 09:50:09



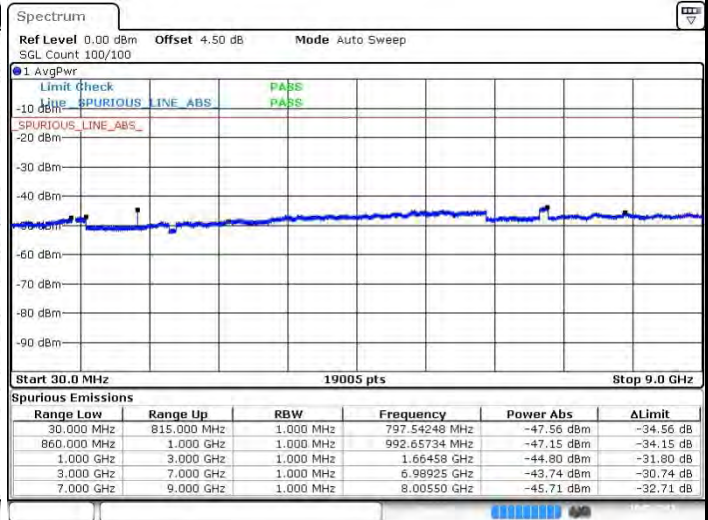
## LTE Band 5 / 10MHz

## Middle Channel / QPSK

## Middle Channel / 16QAM



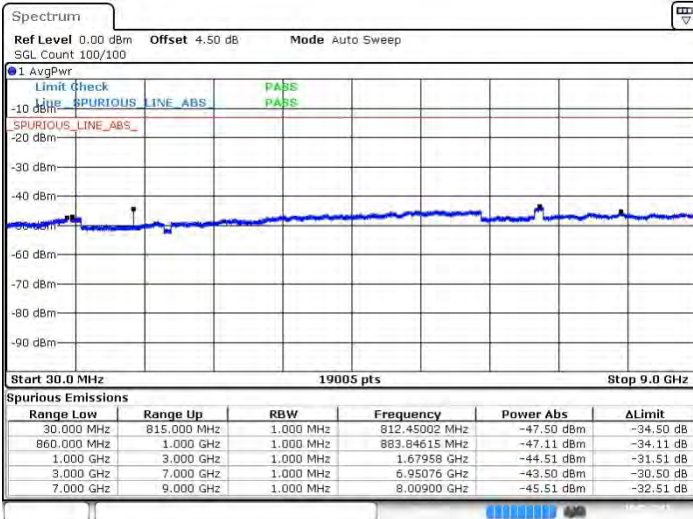
Date: 10 MAY 2015 09:52:11



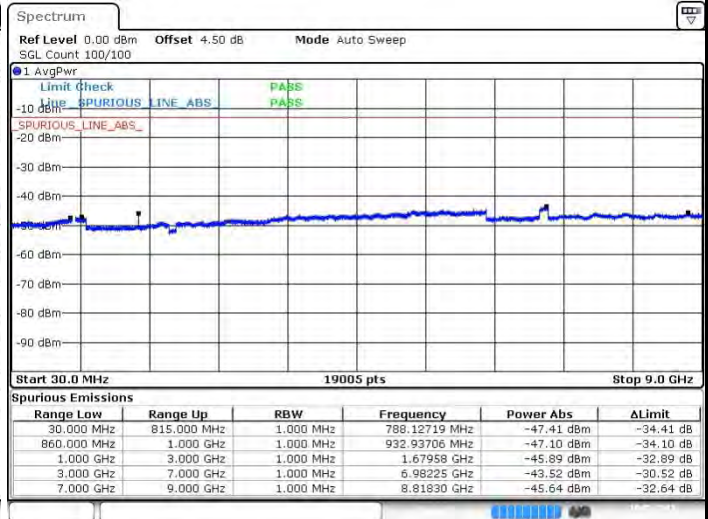
Date: 10 MAY 2015 09:53:28

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 10 MAY 2015 09:55:30



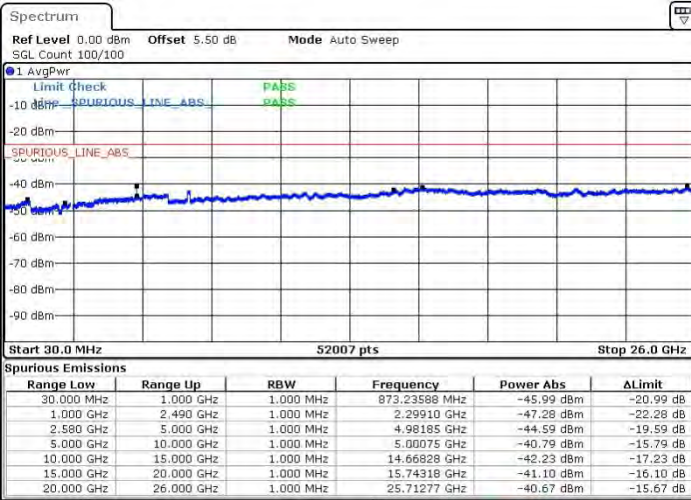
Date: 10 MAY 2015 09:56:48



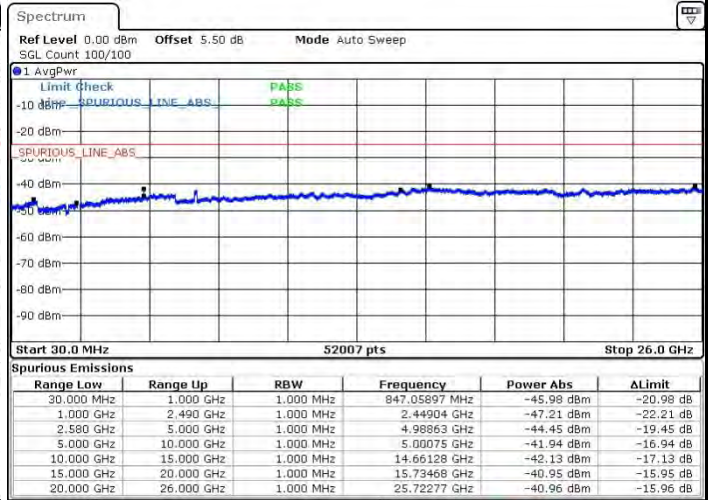
## LTE Band 7 / 5MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM



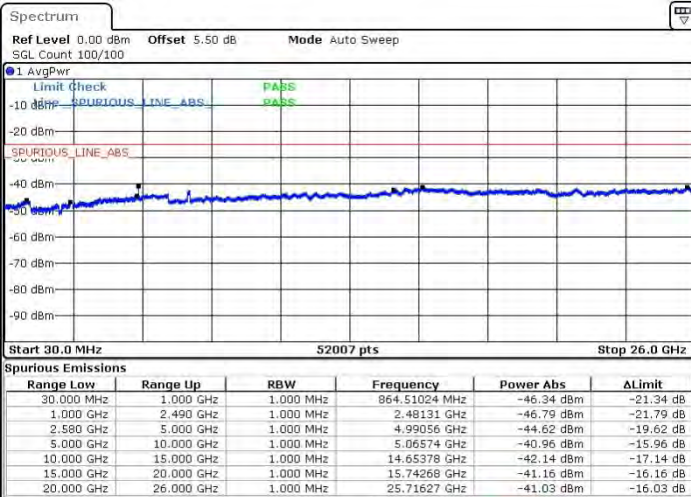
Date: 13.MAY.2015 21:59:50



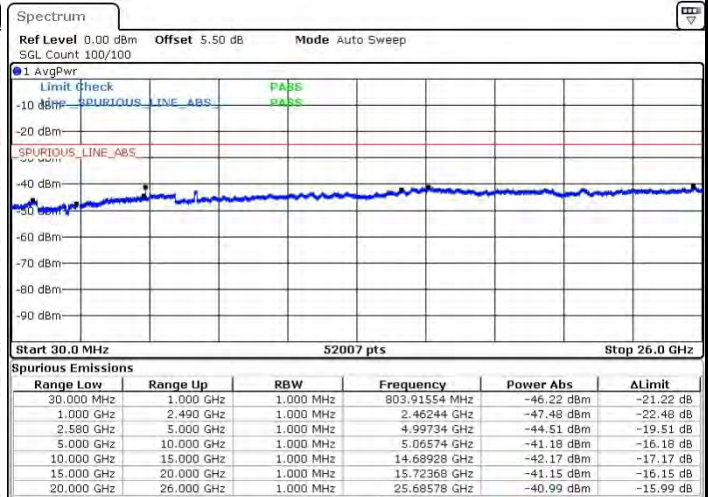
Date: 13.MAY.2015 22:01:09

## Middle Channel / QPSK

## Middle Channel / 16QAM



Date: 13.MAY.2015 22:03:11



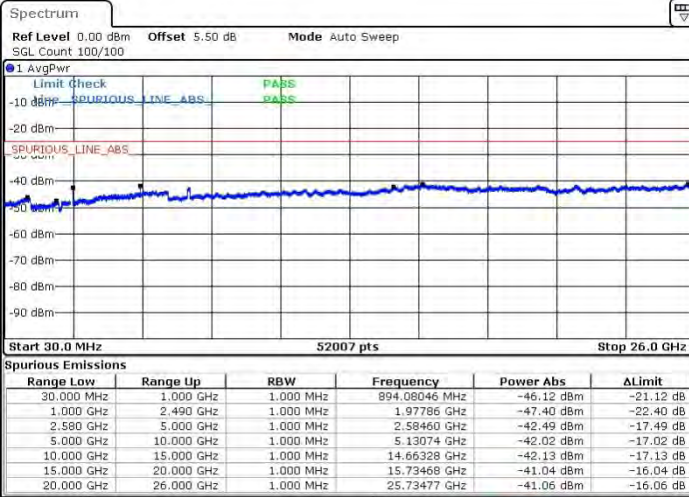
Date: 13.MAY.2015 22:04:29



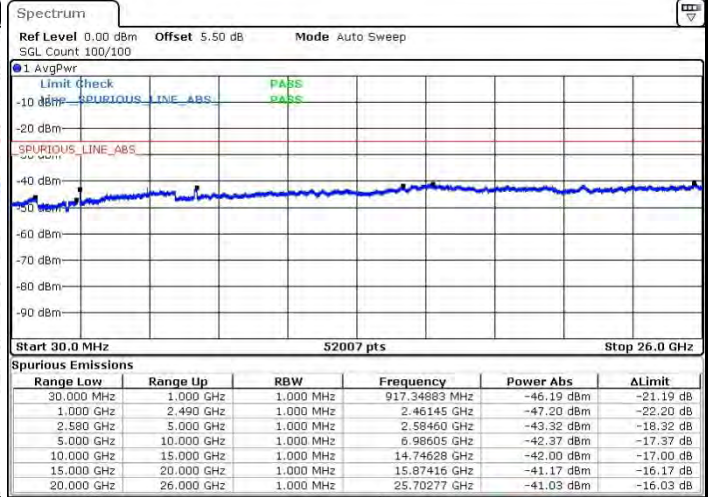
## LTE Band 7 / 5MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 13.MAY.2015 22:06:31

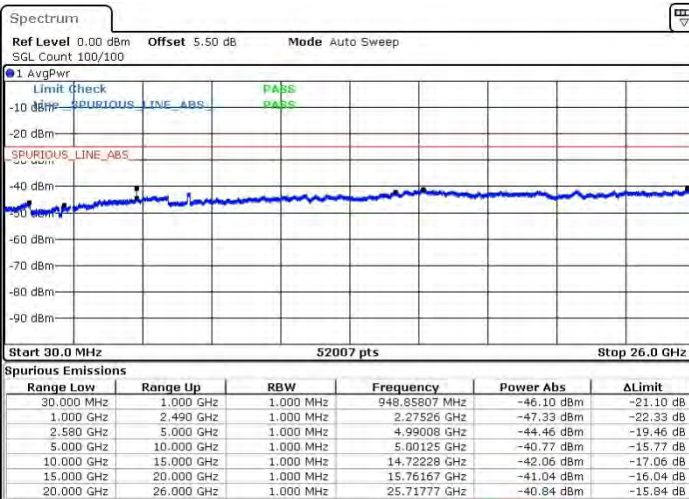


Date: 13.MAY.2015 22:07:50

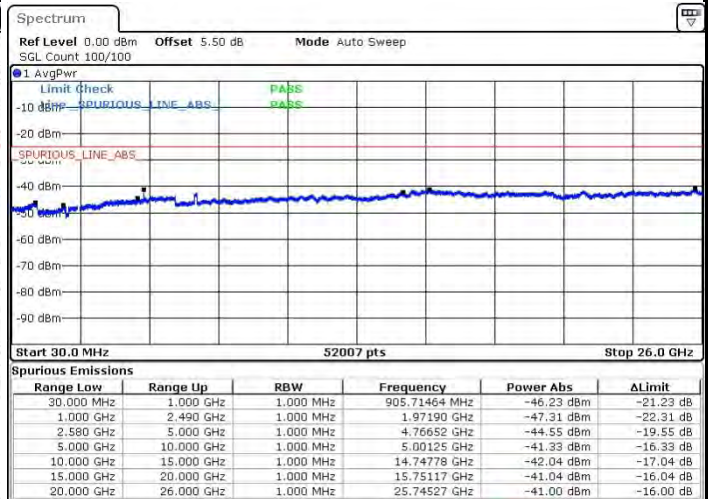
## LTE Band 7 / 10MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM



Date: 13.MAY.2015 22:09:52



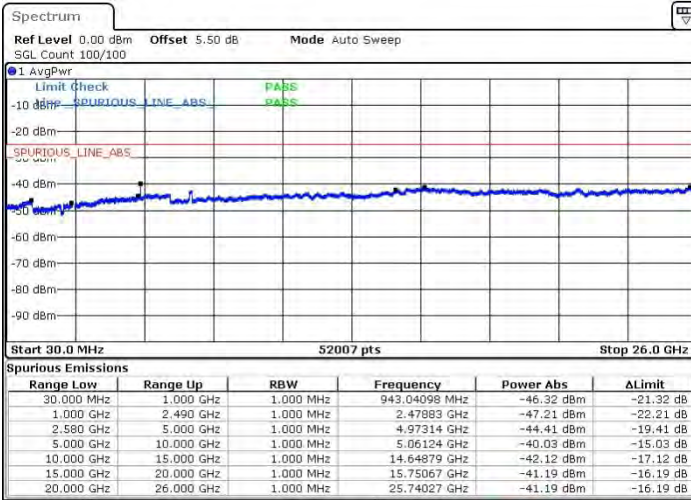
Date: 13.MAY.2015 22:11:11



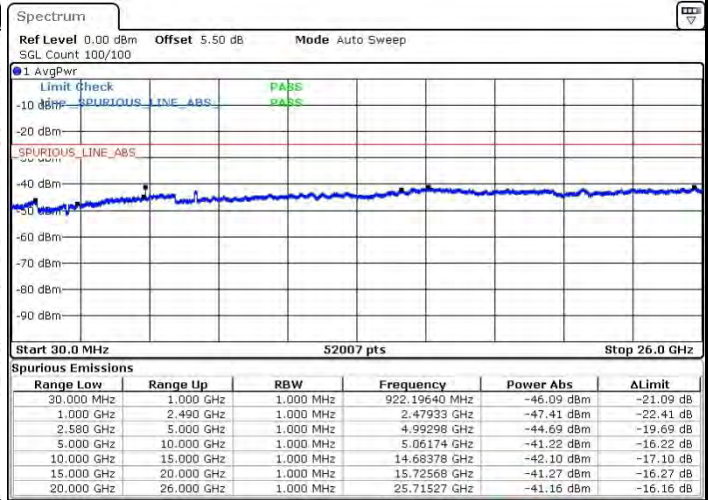
## LTE Band 7 / 10MHz

## Middle Channel / QPSK

## Middle Channel / 16QAM



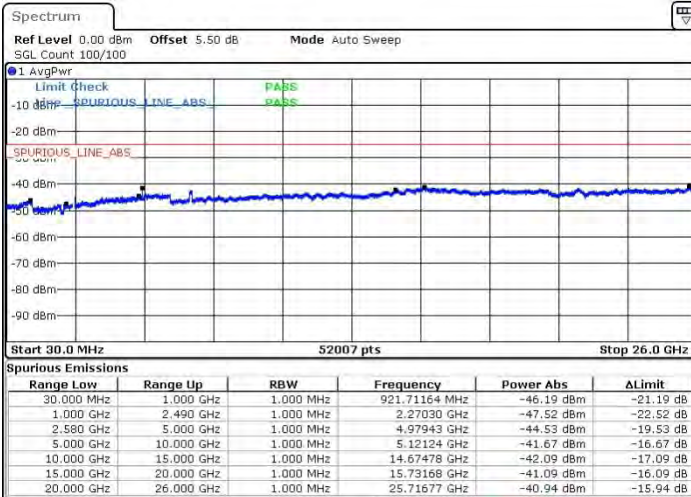
Date: 13.MAY.2015 22:13:13



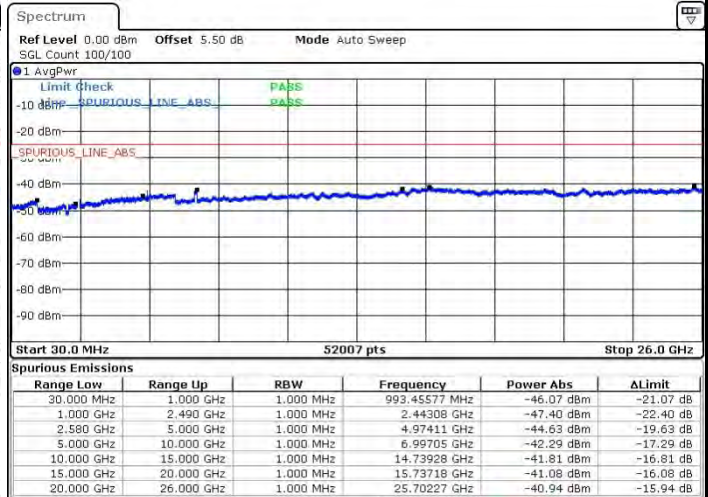
Date: 13.MAY.2015 22:14:31

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 13.MAY.2015 22:16:33



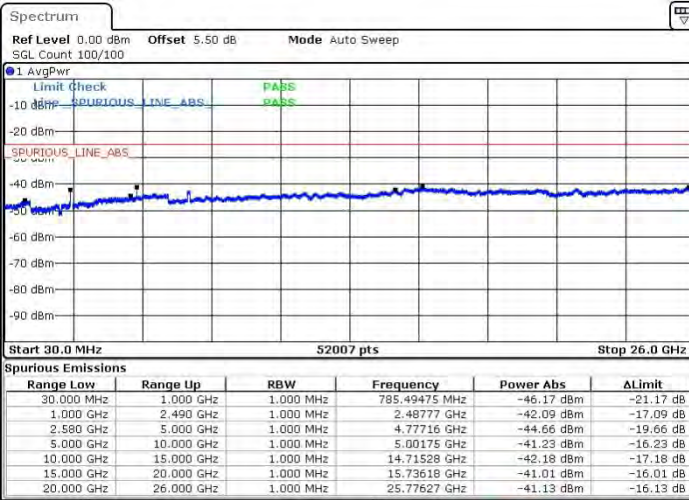
Date: 13.MAY.2015 22:17:52



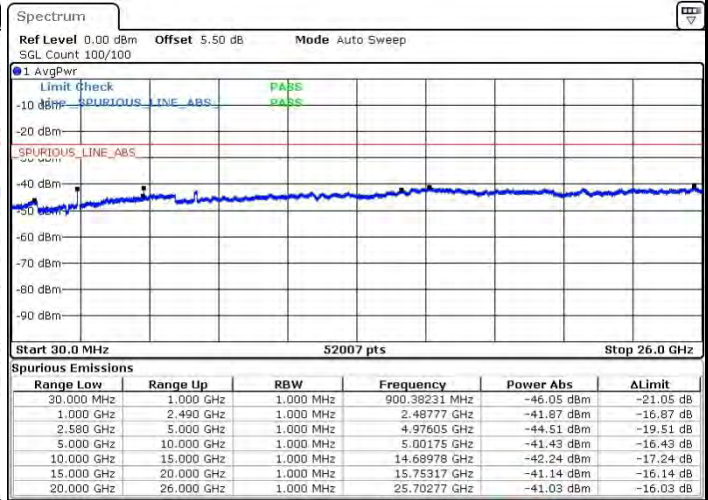
## LTE Band 7 / 15MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM



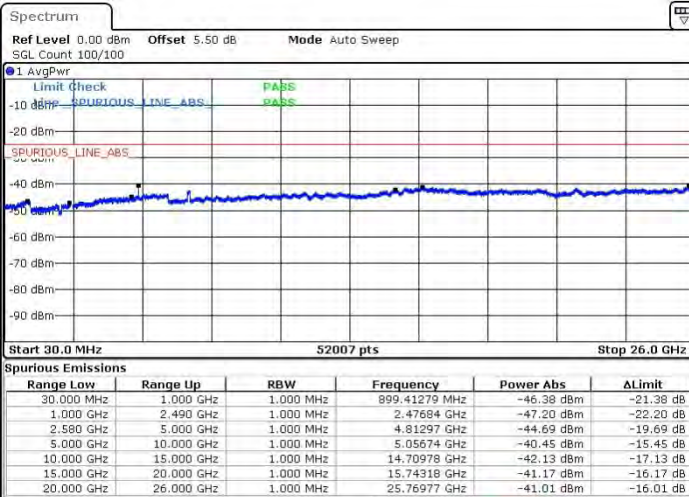
Date: 13.MAY.2015 22:19:54



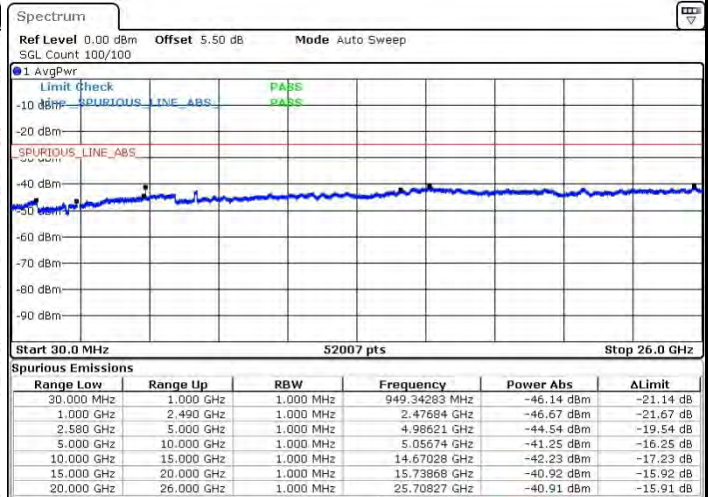
Date: 13.MAY.2015 22:21:12

## Middle Channel / QPSK

## Middle Channel / 16QAM



Date: 13.MAY.2015 22:23:14



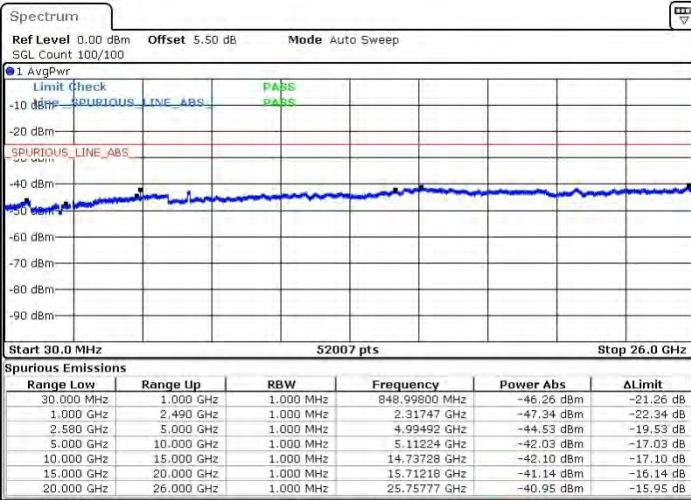
Date: 13.MAY.2015 22:24:33



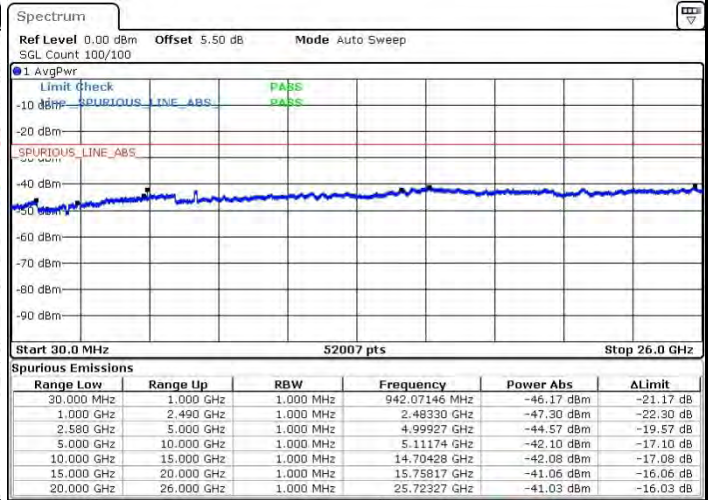
## LTE Band 7 / 15MHz

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 13.MAY.2015 22:26:34

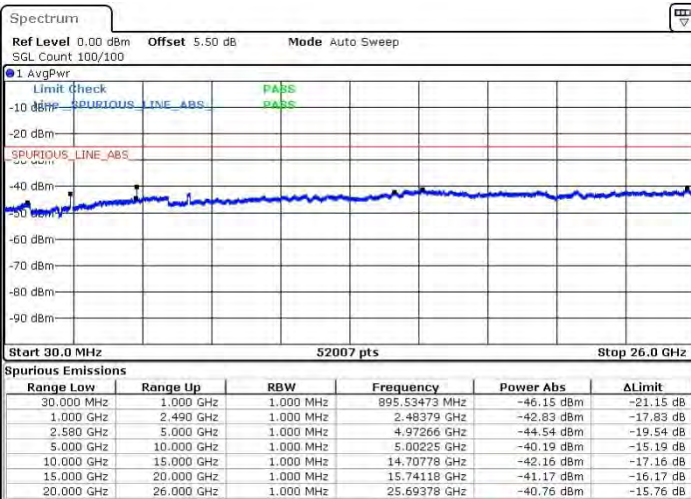


Date: 13.MAY.2015 22:27:53

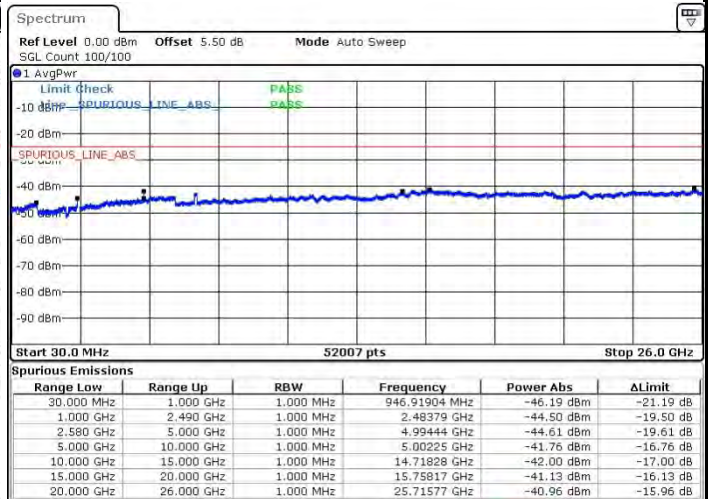
## LTE Band 7 / 20MHz

## Lowest Channel / QPSK

## Lowest Channel / 16QAM



Date: 13.MAY.2015 22:29:55



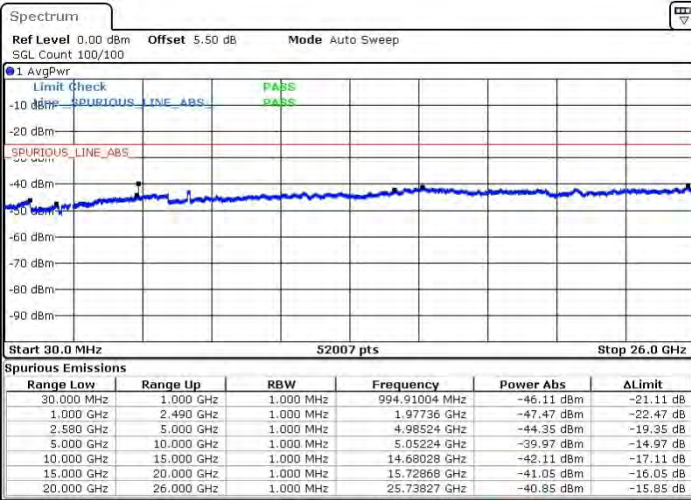
Date: 13.MAY.2015 22:31:14



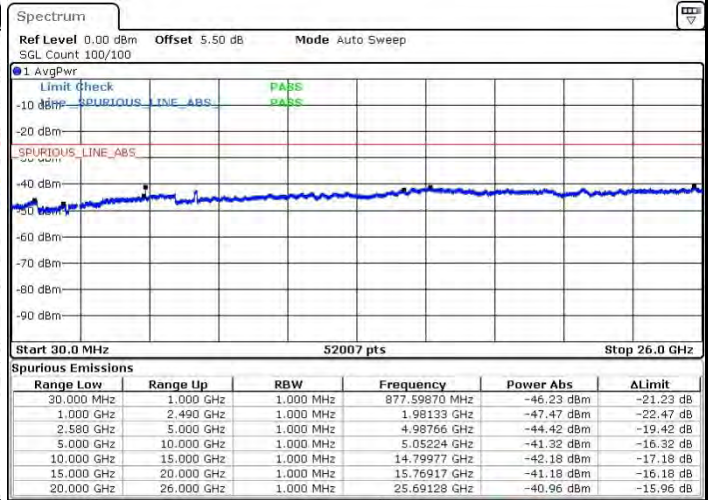
## LTE Band 7 / 20MHz

## Middle Channel / QPSK

## Middle Channel / 16QAM



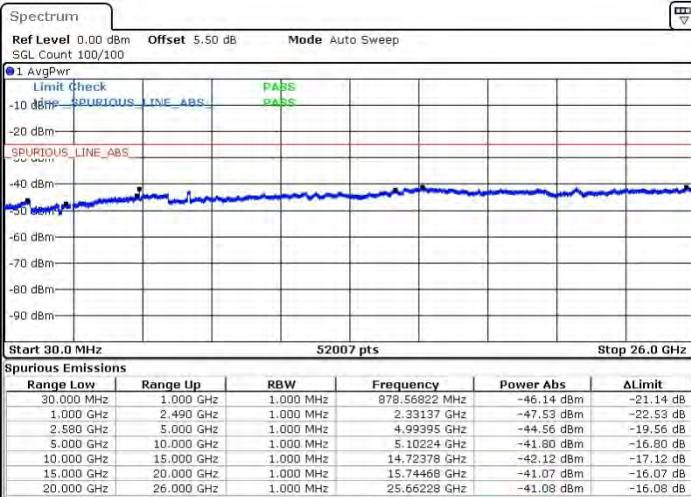
Date: 13.MAY.2015 22:33:16



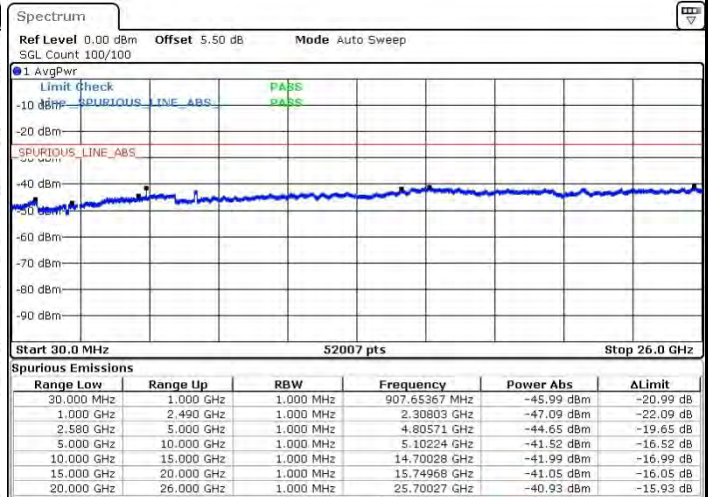
Date: 13.MAY.2015 22:34:34

## Highest Channel / QPSK

## Highest Channel / 16QAM



Date: 13.MAY.2015 22:36:36

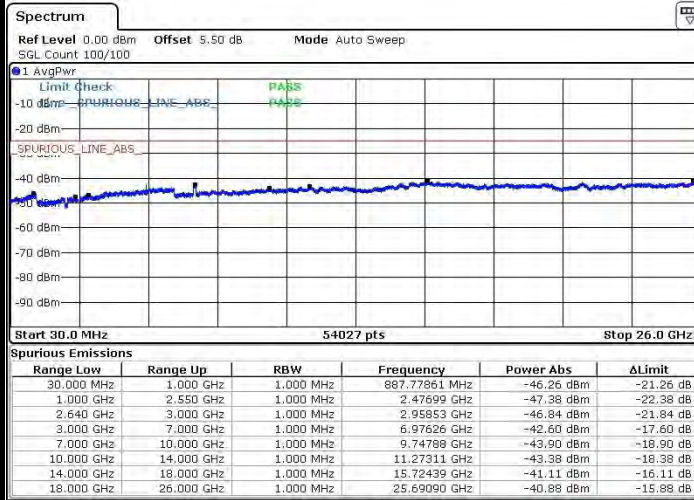


Date: 13.MAY.2015 22:37:55



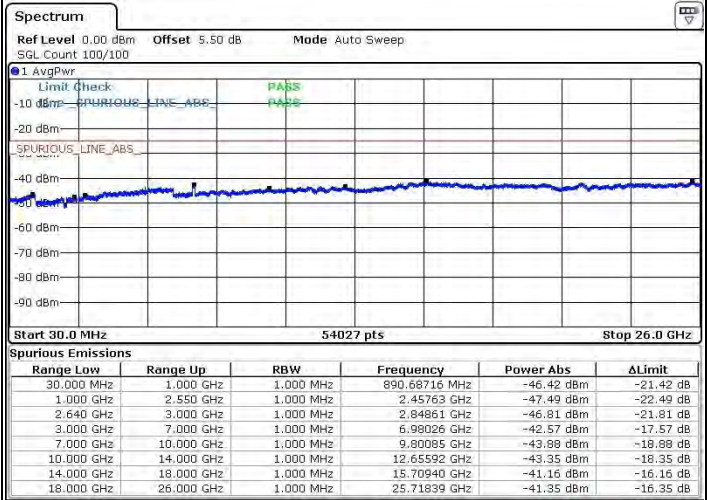
## LTE Band 38 / 5MHz

## Lowest Channel / QPSK



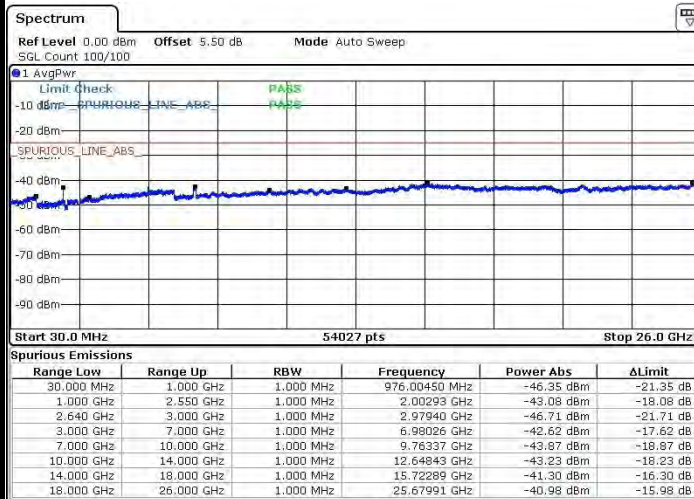
Date: 22 MAY 2015 17:22:02

## Lowest Channel / 16QAM



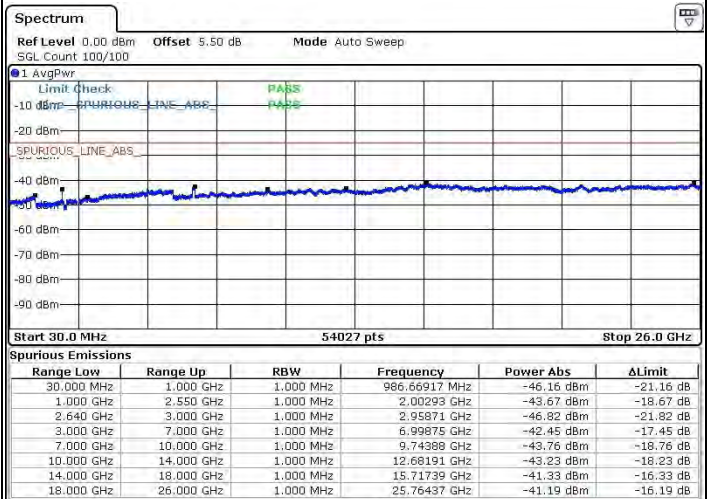
Date: 22 MAY 2015 17:23:23

## Middle Channel / QPSK



Date: 22 MAY 2015 17:25:31

## Middle Channel / 16QAM

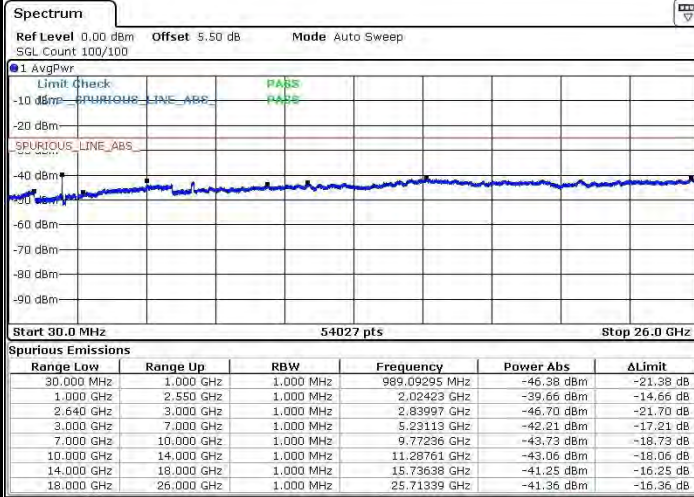


Date: 22 MAY 2015 17:24:27



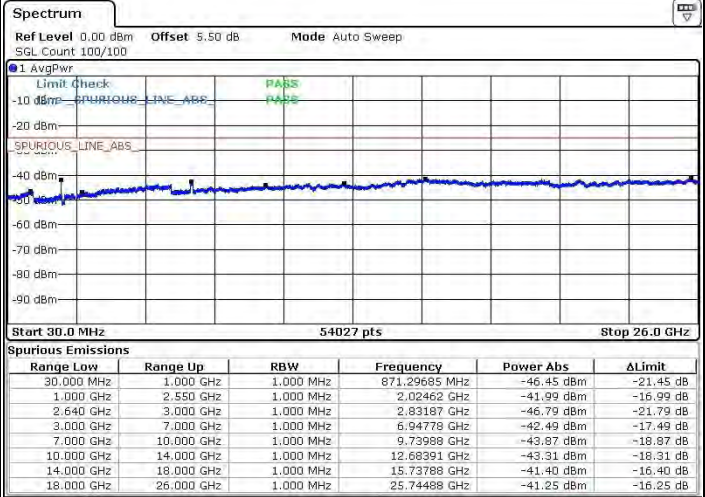
## LTE Band 38 / 5MHz

## Highest Channel / QPSK



Date: 22 MAY 2015 17:27:04

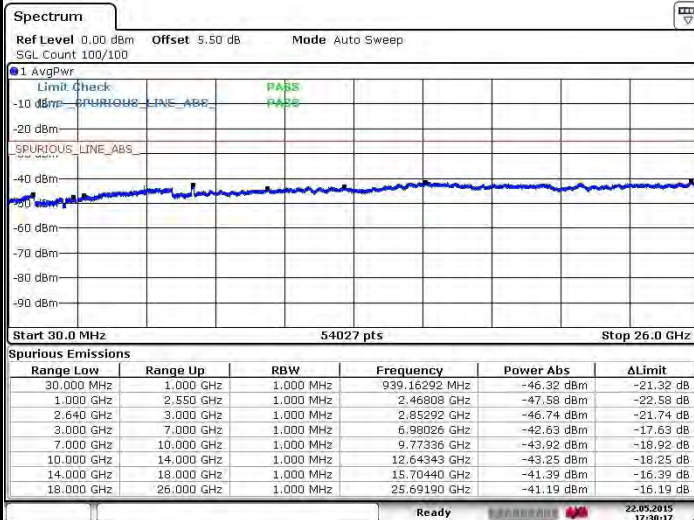
## Highest Channel / 16QAM



Date: 22 MAY 2015 17:28:03

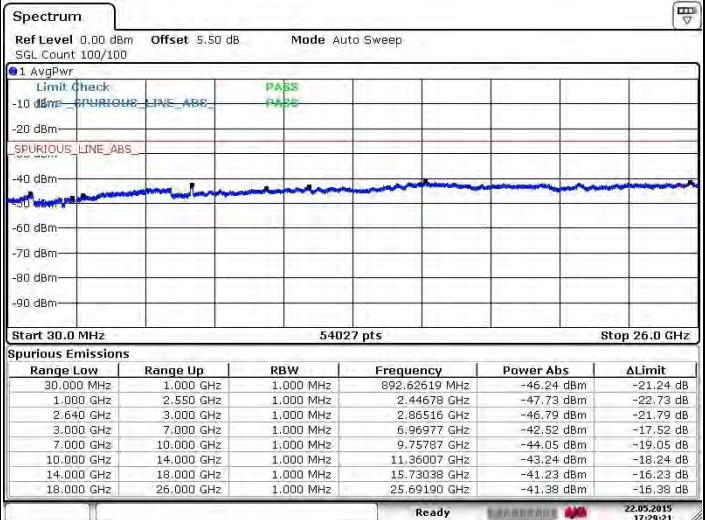
## LTE Band 38 / 10MHz

## Lowest Channel / QPSK



Date: 22 MAY 2015 17:30:16

## Lowest Channel / 16QAM

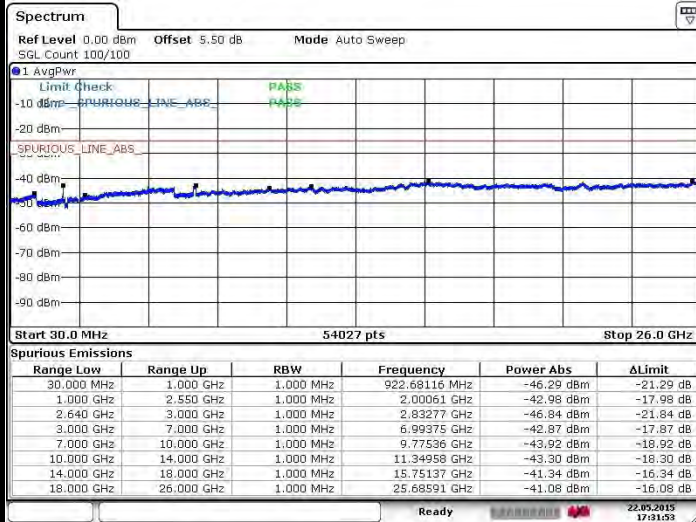


Date: 22 MAY 2015 17:29:21



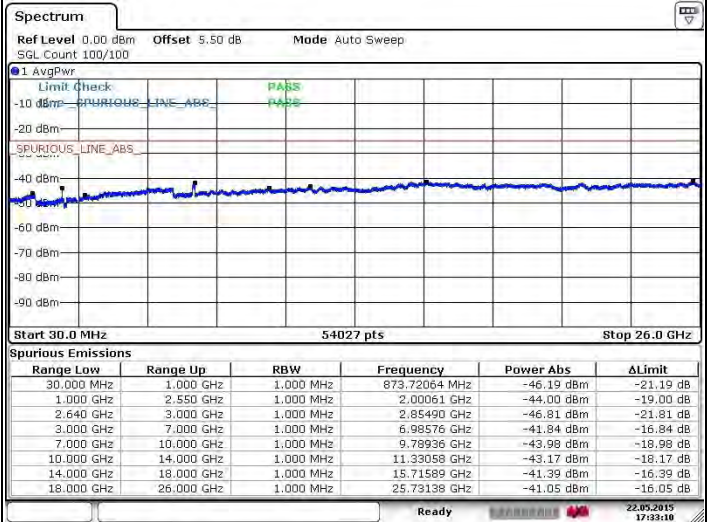
## LTE Band 38 / 10MHz

## Middle Channel / QPSK



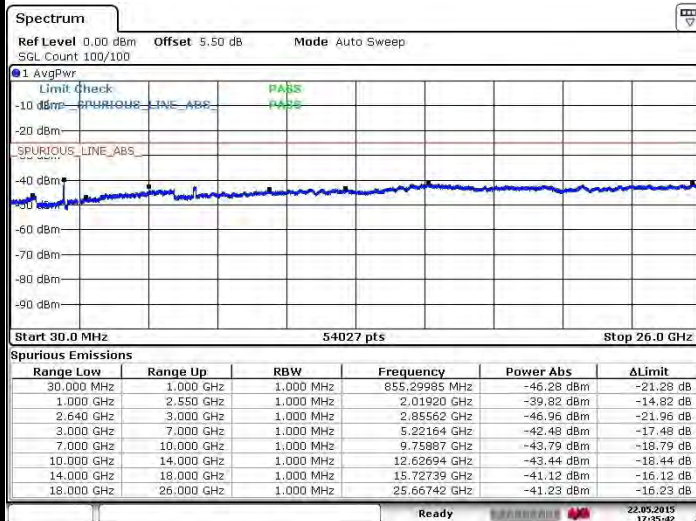
Date: 22 MAY 2015 17:31:53

## Middle Channel / 16QAM



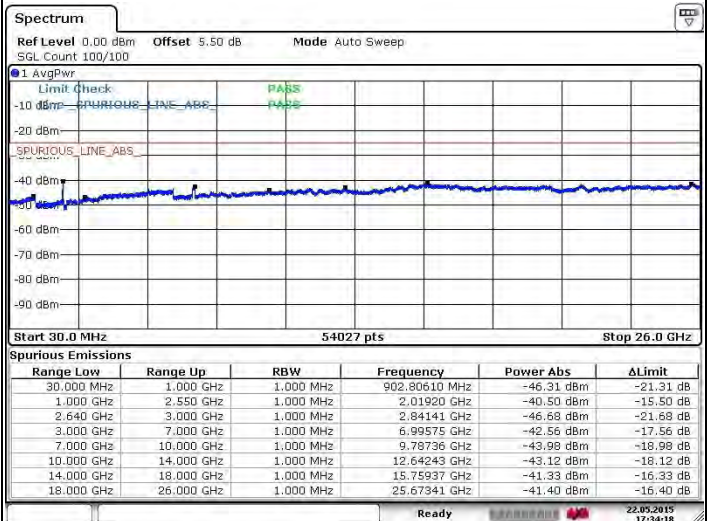
Date: 22 MAY 2015 17:31:09

## Highest Channel / QPSK



Date: 22 MAY 2015 17:35:42

## Highest Channel / 16QAM

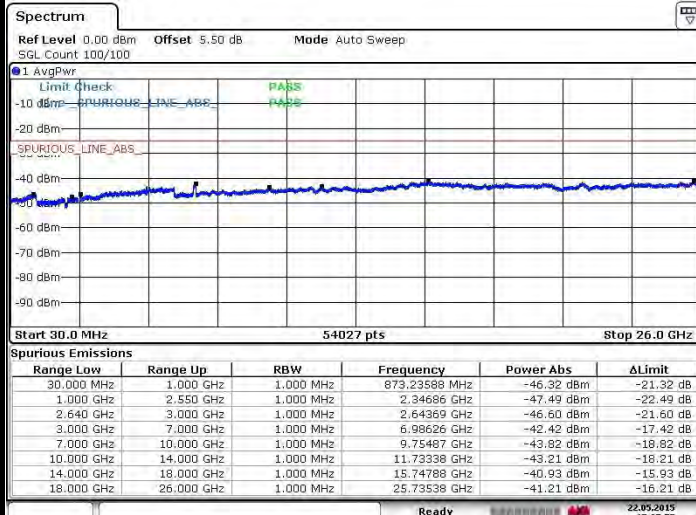


Date: 22 MAY 2015 17:34:17



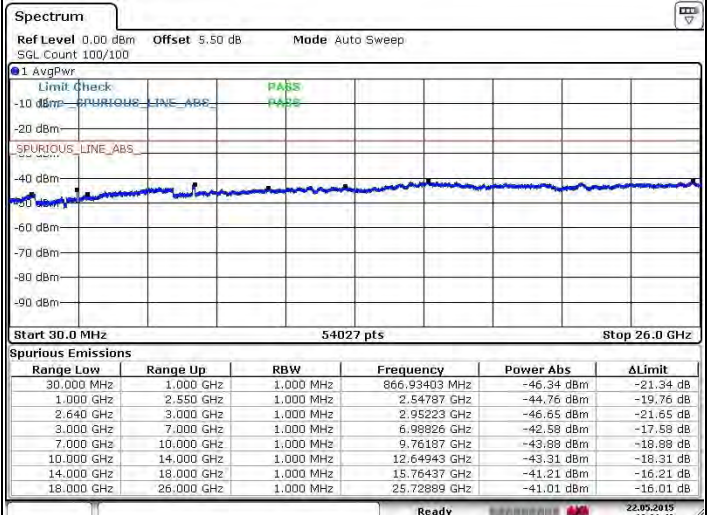
## LTE Band 38 / 15MHz

## Lowest Channel / QPSK



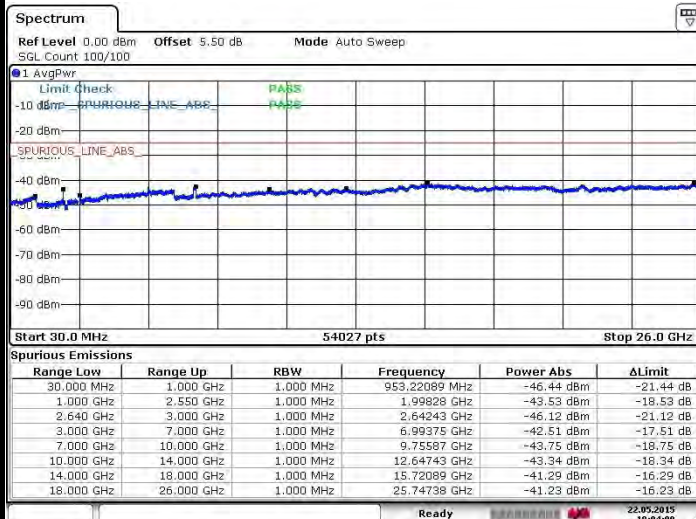
Date: 22 MAY 2015 17:37:54

## Lowest Channel / 16QAM



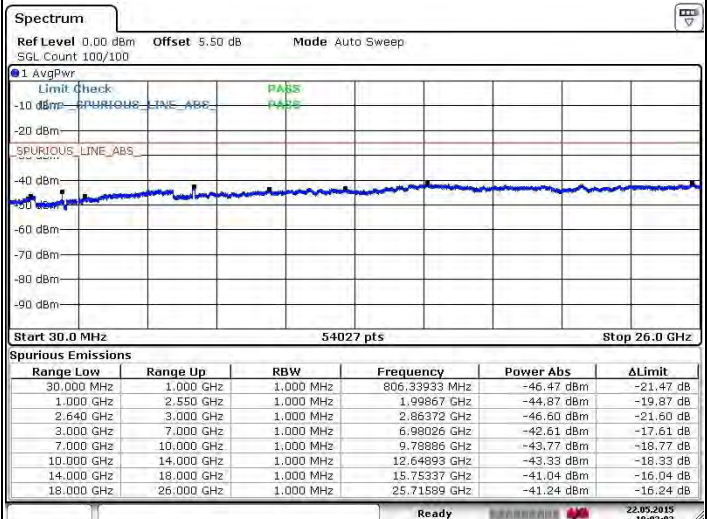
Date: 22 MAY 2015 18:01:48

## Middle Channel / QPSK



Date: 22 MAY 2015 18:04:08

## Middle Channel / 16QAM

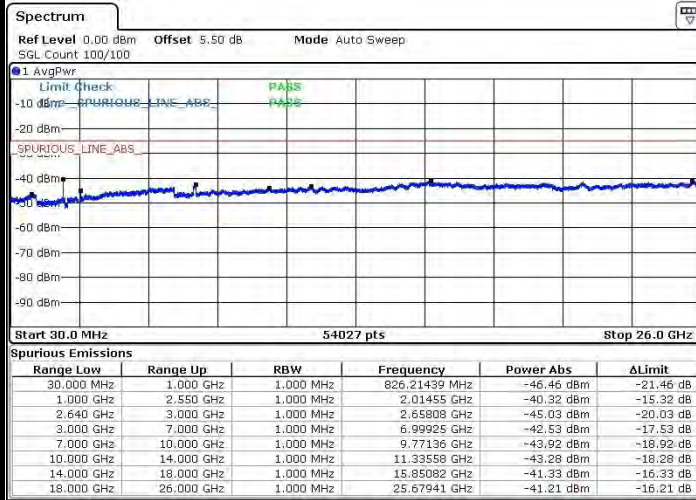


Date: 22 MAY 2015 18:04:03



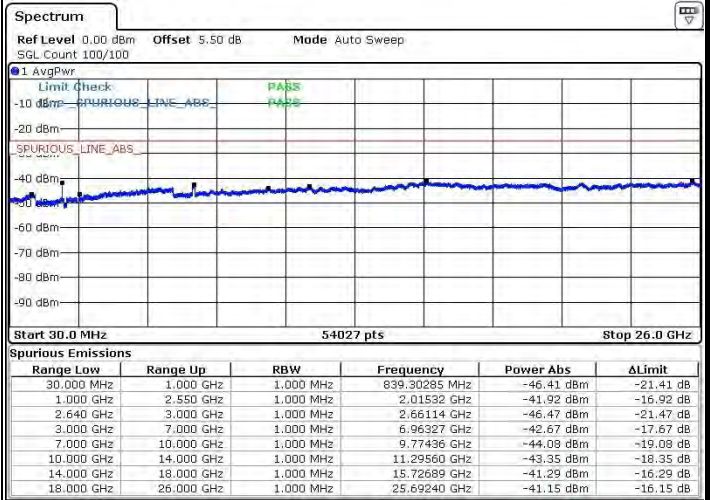
## LTE Band 38 / 15MHz

## Highest Channel / QPSK



Date: 22 MAY 2015 18:05:02

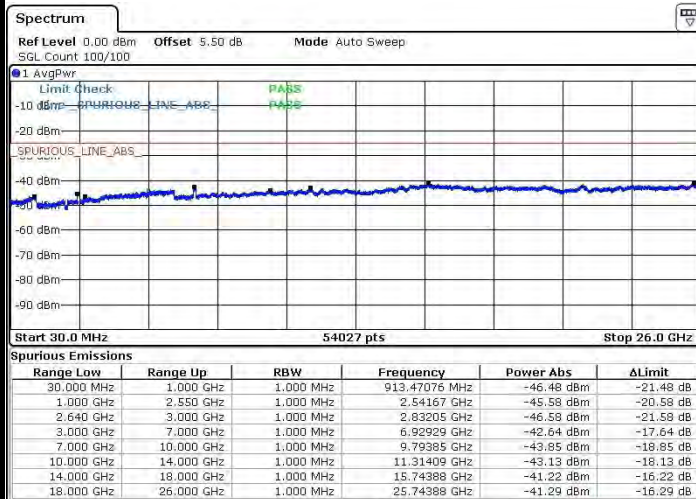
## Highest Channel / 16QAM



Date: 22 MAY 2015 18:06:19

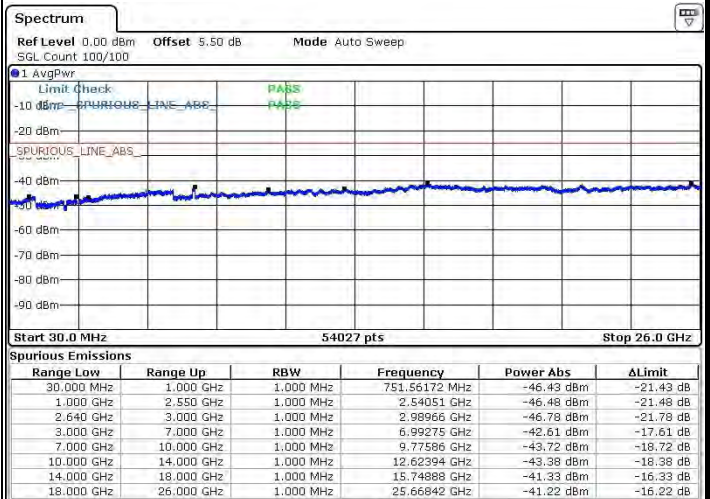
## LTE Band 38 / 20MHz

## Lowest Channel / QPSK



Date: 22 MAY 2015 18:12:03

## Lowest Channel / 16QAM

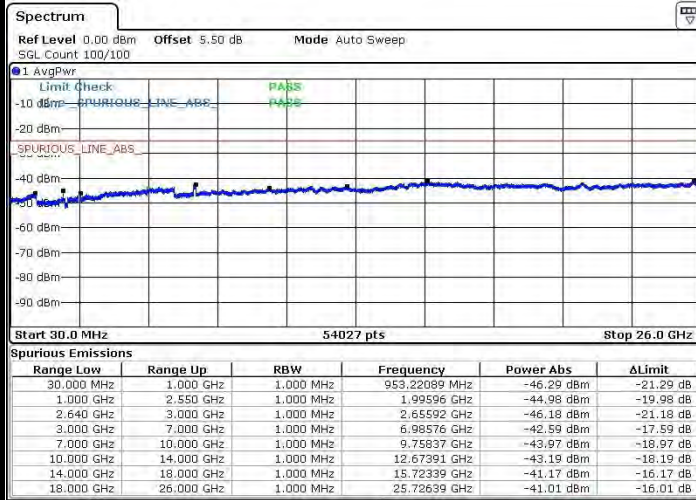


Date: 22 MAY 2015 18:08:32



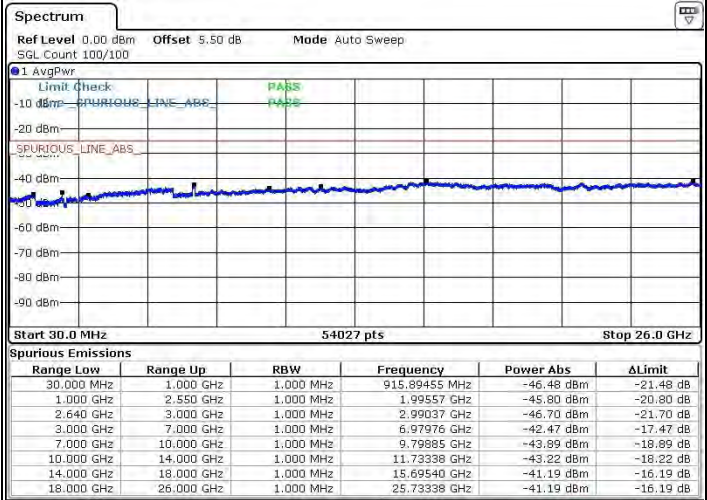
## LTE Band 38 / 20MHz

## Middle Channel / QPSK



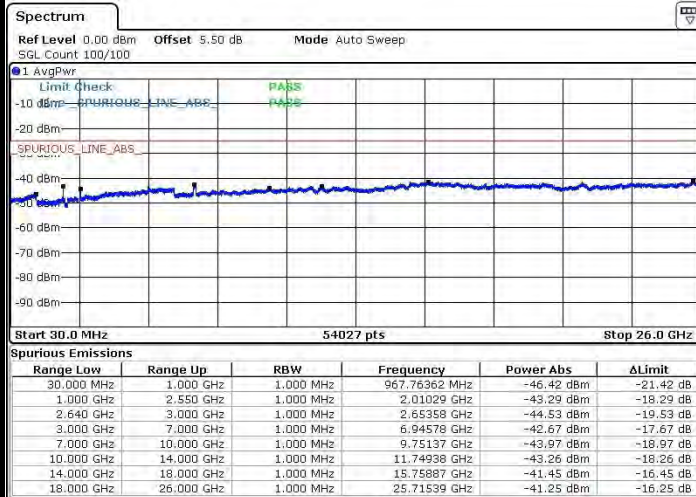
Date: 22 MAY 2015 18:13:39

## Middle Channel / 16QAM



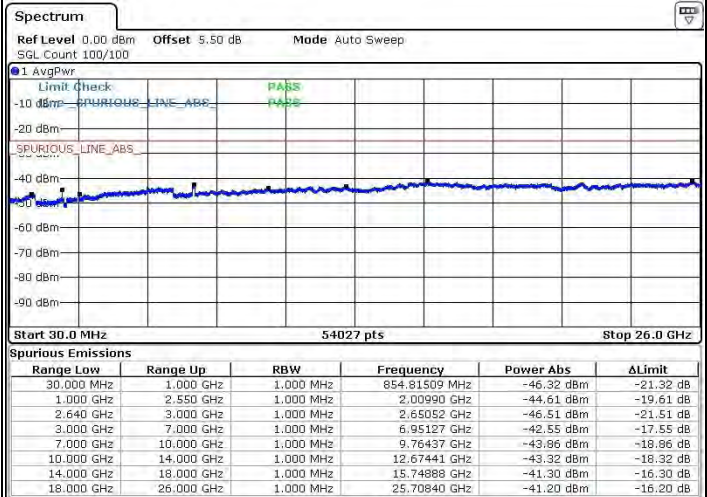
Date: 22 MAY 2015 18:16:25

## Highest Channel / QPSK



Date: 22 MAY 2015 18:18:29

## Highest Channel / 16QAM



Date: 22 MAY 2015 18:17:31

## Frequency Stability

| Test Conditions  |                   | LTE Band 4 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0061                             | PASS    |
| 40               | Normal Voltage    | 0.0069                             |         |
| 30               | Normal Voltage    | 0.0029                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0046                             |         |
| 0                | Normal Voltage    | 0.0087                             |         |
| -10              | Normal Voltage    | 0.0110                             |         |
| -20              | Normal Voltage    | 0.0016                             |         |
| -30              | Normal Voltage    | 0.0028                             |         |
| 20               | Maximum Voltage   | 0.0054                             |         |
| 20               | Normal Voltage    | 0.0042                             |         |
| 20               | Battery End Point | 0.0046                             |         |

**Note:**

1. Normal Voltage = 3.75 V. ; Battery End Point (BEP) = 3.30 V. ; Maximum Voltage = 4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions     |                   | LTE Band 5 (QPSK) / Middle Channel | Limit  |
|---------------------|-------------------|------------------------------------|--------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                           | 2.5ppm |
|                     |                   | Deviation<br>(ppm)                 | Result |
| 50                  | Normal Voltage    | 0.0032                             | PASS   |
| 40                  | Normal Voltage    | 0.0088                             |        |
| 30                  | Normal Voltage    | 0.0164                             |        |
| 20(Ref.)            | Normal Voltage    | 0.0000                             |        |
| 10                  | Normal Voltage    | 0.0026                             |        |
| 0                   | Normal Voltage    | 0.0060                             |        |
| -10                 | Normal Voltage    | 0.0042                             |        |
| -20                 | Normal Voltage    | 0.0191                             |        |
| -30                 | Normal Voltage    | 0.0148                             |        |
| 20                  | Maximum Voltage   | 0.0093                             |        |
| 20                  | Normal Voltage    | 0.0123                             |        |
| 20                  | Battery End Point | 0.0130                             |        |

**Note:**

1. Normal Voltage = 3.75 V. ; Battery End Point (BEP) = 3.30 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions  |                   | LTE Band 7 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                           | Note 2. |
|                  |                   | Deviation (ppm)                    | Result  |
| 50               | Normal Voltage    | 0.0004                             | PASS    |
| 40               | Normal Voltage    | 0.0001                             |         |
| 30               | Normal Voltage    | 0.0001                             |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                             |         |
| 10               | Normal Voltage    | 0.0001                             |         |
| 0                | Normal Voltage    | 0.0001                             |         |
| -10              | Normal Voltage    | 0.0003                             |         |
| -20              | Normal Voltage    | 0.0000                             |         |
| -30              | Normal Voltage    | 0.0004                             |         |
| 20               | Maximum Voltage   | 0.0008                             |         |
| 20               | Normal Voltage    | 0.0004                             |         |
| 20               | Battery End Point | 0.0012                             |         |

**Note:**

1. Normal Voltage = 3.75 V. ; Battery End Point (BEP) = 3.30 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



| Test Conditions     |                   | LTE Band 38 (QPSK) / Middle Channel | Limit   |
|---------------------|-------------------|-------------------------------------|---------|
| Temperature<br>(°C) | Voltage<br>(Volt) | BW 10MHz                            | Note 2. |
|                     |                   | Deviation<br>(ppm)                  | Result  |
| 50                  | Normal Voltage    | 0.0090                              | PASS    |
| 40                  | Normal Voltage    | 0.0012                              |         |
| 30                  | Normal Voltage    | 0.0033                              |         |
| 20(Ref.)            | Normal Voltage    | 0.0000                              |         |
| 10                  | Normal Voltage    | 0.0003                              |         |
| 0                   | Normal Voltage    | 0.0059                              |         |
| -10                 | Normal Voltage    | 0.0022                              |         |
| -20                 | Normal Voltage    | 0.0022                              |         |
| -30                 | Normal Voltage    | 0.0024                              |         |
| 20                  | Maximum Voltage   | 0.0029                              |         |
| 20                  | Normal Voltage    | 0.0079                              |         |
| 20                  | Battery End Point | 0.0059                              |         |

**Note:**

1. Normal Voltage = 3.75 V. ; Battery End Point (BEP) = 3.30 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



## **Appendix B. Test Results of Radiated Test**

**ERP/EIRP**



| LTE Band 4 / 1.4MHz |            |      |        |            |         |           |         |
|---------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel             | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                     |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest              | QPSK       | 1    | 0      | 23.27      | 0.2123  | 24.86     | 0.3062  |
| Middle              |            | 1    | 2      | 23.02      | 0.2004  | 25.06     | 0.3206  |
| Highest             |            | 1    | 0      | 22.47      | 0.1766  | 24.98     | 0.3148  |
| Lowest              | 16QAM      | 1    | 0      | 22.20      | 0.1660  | 23.93     | 0.2472  |
| Middle              |            | 1    | 5      | 22.14      | 0.1637  | 23.97     | 0.2495  |
| Highest             |            | 1    | 2      | 21.04      | 0.1271  | 24.05     | 0.2541  |
| Limit               | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 3MHz |            |      |        |            |         |           |         |
|-------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel           | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                   |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest            | QPSK       | 1    | 0      | 23.14      | 0.2061  | 25.03     | 0.3184  |
| Middle            |            | 1    | 7      | 22.94      | 0.1968  | 24.93     | 0.3112  |
| Highest           |            | 1    | 7      | 22.55      | 0.1799  | 25.12     | 0.3251  |
| Lowest            | 16QAM      | 1    | 0      | 22.29      | 0.1694  | 24.02     | 0.2523  |
| Middle            |            | 1    | 7      | 22.09      | 0.1618  | 23.93     | 0.2472  |
| Highest           |            | 1    | 0      | 21.60      | 0.1445  | 23.88     | 0.2443  |
| Limit             | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 5MHz |            |      |        |            |         |           |         |
|-------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel           | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                   |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest            | QPSK       | 1    | 24     | 25.14      | 0.3266  | 21.30     | 0.1349  |
| Middle            |            | 1    | 12     | 23.28      | 0.2128  | 25.26     | 0.3357  |
| Highest           |            | 1    | 0      | 24.90      | 0.3090  | 21.31     | 0.1352  |
| Lowest            | 16QAM      | 1    | 24     | 24.23      | 0.2649  | 20.42     | 0.1102  |
| Middle            |            | 1    | 12     | 22.03      | 0.1596  | 23.94     | 0.2477  |
| Highest           |            | 1    | 0      | 24.04      | 0.2535  | 20.40     | 0.1096  |
| Limit             | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4/ 10MHz |            |      |        |            |         |           |         |
|-------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel           | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                   |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest            | QPSK       | 1    | 0      | 23.19      | 0.2084  | 24.92     | 0.3105  |
| Middle            |            | 1    | 24     | 25.44      | 0.3499  | 21.64     | 0.1459  |
| Highest           |            | 1    | 0      | 24.96      | 0.3133  | 21.20     | 0.1318  |
| Lowest            | 16QAM      | 1    | 0      | 22.26      | 0.1683  | 23.98     | 0.2500  |
| Middle            |            | 1    | 49     | 21.89      | 0.1545  | 24.13     | 0.2588  |
| Highest           |            | 1    | 0      | 21.55      | 0.1429  | 24.23     | 0.2649  |
| Limit             | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 15MHz |            |      |        |            |         |           |         |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel            | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                    |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest             | QPSK       | 1    | 0      | 23.23      | 0.2104  | 24.60     | 0.2884  |
| Middle             |            | 1    | 0      | 23.05      | 0.2018  | 24.61     | 0.2891  |
| Highest            |            | 1    | 0      | 22.60      | 0.1820  | 25.01     | 0.3170  |
| Lowest             | 16QAM      | 1    | 0      | 22.48      | 0.1770  | 23.93     | 0.2472  |
| Middle             |            | 1    | 0      | 22.24      | 0.1675  | 23.99     | 0.2506  |
| Highest            |            | 1    | 0      | 21.83      | 0.1524  | 24.07     | 0.2553  |
| Limit              | EIRP < 1W  |      |        | Result     |         | PASS      |         |

| LTE Band 4 / 20MHz |            |      |        |            |         |           |         |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel            | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                    |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest             | QPSK       | 1    | 0      | 23.16      | 0.2070  | 24.63     | 0.2904  |
| Middle             |            | 1    | 0      | 23.23      | 0.2104  | 24.76     | 0.2992  |
| Highest            |            | 1    | 0      | 23.14      | 0.2061  | 25.24     | 0.3342  |
| Lowest             | 16QAM      | 1    | 0      | 22.36      | 0.1722  | 23.84     | 0.2421  |
| Middle             |            | 1    | 0      | 22.12      | 0.1629  | 23.88     | 0.2443  |
| Highest            |            | 1    | 0      | 22.06      | 0.1607  | 24.03     | 0.2529  |
| Limit              | EIRP < 1W  |      |        | Result     |         | PASS      |         |



| LTE Band 5 / 1.4MHz |            |      |        |            |        |          |        |
|---------------------|------------|------|--------|------------|--------|----------|--------|
| Channel             | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                     |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest              | QPSK       | 1    | 2      | 19.90      | 0.0977 | 20.28    | 0.1067 |
| Middle              |            | 3    | 1      | 20.54      | 0.1132 | 20.56    | 0.1138 |
| Highest             |            | 1    | 0      | 20.27      | 0.1064 | 20.67    | 0.1167 |
| Lowest              | 16QAM      | 1    | 2      | 19.85      | 0.0966 | 19.64    | 0.0920 |
| Middle              |            | 3    | 1      | 19.46      | 0.0883 | 19.11    | 0.0815 |
| Highest             |            | 3    | 1      | 19.51      | 0.0893 | 19.59    | 0.0910 |
| Limit               | ERP < 7W   |      |        | Result     |        | PASS     |        |

| LTE Band 5 / 3MHz |            |      |        |            |        |          |        |
|-------------------|------------|------|--------|------------|--------|----------|--------|
| Channel           | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                   |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest            | QPSK       | 1    | 7      | 20.56      | 0.1138 | 21.04    | 0.1271 |
| Middle            |            | 1    | 0      | 21.54      | 0.1426 | 21.01    | 0.1262 |
| Highest           |            | 1    | 7      | 20.81      | 0.1205 | 21.18    | 0.1312 |
| Lowest            | 16QAM      | 1    | 14     | 20.50      | 0.1122 | 20.12    | 0.1028 |
| Middle            |            | 1    | 7      | 20.35      | 0.1084 | 19.98    | 0.0995 |
| Highest           |            | 1    | 0      | 20.27      | 0.1064 | 20.09    | 0.1021 |
| Limit             | ERP < 7W   |      |        | Result     |        | PASS     |        |

| LTE Band 5 / 5MHz |            |      |        |            |        |          |        |
|-------------------|------------|------|--------|------------|--------|----------|--------|
| Channel           | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                   |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest            | QPSK       | 1    | 24     | 20.22      | 0.1052 | 20.11    | 0.1026 |
| Middle            |            | 1    | 0      | 20.67      | 0.1167 | 20.74    | 0.1186 |
| Highest           |            | 1    | 0      | 20.91      | 0.1233 | 20.93    | 0.1239 |
| Lowest            | 16QAM      | 1    | 12     | 19.57      | 0.0906 | 19.45    | 0.0881 |
| Middle            |            | 1    | 12     | 19.98      | 0.0995 | 19.66    | 0.0925 |
| Highest           |            | 1    | 12     | 19.91      | 0.0979 | 19.98    | 0.0995 |
| Limit             | ERP < 7W   |      |        | Result     |        | PASS     |        |



| LTE Band 5 / 10MHz |            |      |        |            |        |          |        |
|--------------------|------------|------|--------|------------|--------|----------|--------|
| Channel            | Modulation | RB   |        | Horizontal |        | Vertical |        |
|                    |            | Size | Offset | ERP(dBm)   | ERP(W) | ERP(dBm) | ERP(W) |
| Lowest             | QPSK       | 1    | 24     | 19.97      | 0.0993 | 19.62    | 0.0916 |
| Middle             |            | 1    | 24     | 20.54      | 0.1132 | 20.04    | 0.1009 |
| Highest            |            | 1    | 24     | 20.45      | 0.1109 | 20.61    | 0.1151 |
| Lowest             | 16QAM      | 1    | 24     | 18.73      | 0.0746 | 18.84    | 0.0766 |
| Middle             |            | 1    | 24     | 19.61      | 0.0914 | 19.49    | 0.0889 |
| Highest            |            | 1    | 24     | 19.65      | 0.0923 | 19.51    | 0.0893 |
| Limit              | ERP < 7W   |      |        | Result     |        | PASS     |        |



| LTE Band 7 / 5MHz |            |      |        |            |         |           |         |
|-------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel           | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                   |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest            | QPSK       | 1    | 12     | 24.02      | 0.2523  | 26.58     | 0.4550  |
| Middle            |            | 1    | 24     | 22.65      | 0.1841  | 25.57     | 0.3606  |
| Highest           |            | 1    | 12     | 21.10      | 0.1288  | 25.73     | 0.3741  |
| Lowest            | 16QAM      | 1    | 0      | 23.27      | 0.2123  | 26.00     | 0.3981  |
| Middle            |            | 1    | 0      | 22.22      | 0.1667  | 24.80     | 0.3020  |
| Highest           |            | 1    | 12     | 20.21      | 0.1050  | 24.72     | 0.2965  |
| Limit             | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 7 / 10MHz |            |      |        |            |         |           |         |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel            | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                    |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest             | QPSK       | 1    | 24     | 23.86      | 0.2432  | 26.29     | 0.4256  |
| Middle             |            | 1    | 24     | 22.84      | 0.1923  | 25.63     | 0.3656  |
| Highest            |            | 1    | 0      | 23.06      | 0.2023  | 25.46     | 0.3516  |
| Lowest             | 16QAM      | 1    | 24     | 22.98      | 0.1986  | 25.80     | 0.3802  |
| Middle             |            | 1    | 49     | 21.70      | 0.1479  | 24.98     | 0.3148  |
| Highest            |            | 1    | 0      | 22.18      | 0.1652  | 24.97     | 0.3141  |
| Limit              | EIRP < 2W  |      |        | Result     |         | PASS      |         |



| LTE Band 7 / 15MHz |            |      |        |            |         |           |         |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel            | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                    |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest             | QPSK       | 1    | 37     | 24.04      | 0.2535  | 26.86     | 0.4853  |
| Middle             |            | 1    | 74     | 22.40      | 0.1738  | 25.90     | 0.3890  |
| Highest            |            | 1    | 0      | 21.64      | 0.1459  | 25.79     | 0.3793  |
| Lowest             | 16QAM      | 1    | 0      | 22.90      | 0.1950  | 25.55     | 0.3589  |
| Middle             |            | 1    | 74     | 21.54      | 0.1426  | 24.53     | 0.2838  |
| Highest            |            | 1    | 0      | 21.08      | 0.1282  | 25.20     | 0.3311  |
| Limit              | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 7 / 20MHz |            |      |        |            |         |           |         |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel            | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                    |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest             | QPSK       | 1    | 0      | 24.32      | 0.2704  | 27.03     | 0.5047  |
| Middle             |            | 1    | 0      | 23.24      | 0.2109  | 25.85     | 0.3846  |
| Highest            |            | 1    | 0      | 22.15      | 0.1641  | 25.93     | 0.3917  |
| Lowest             | 16QAM      | 1    | 0      | 22.55      | 0.1799  | 25.16     | 0.3281  |
| Middle             |            | 1    | 49     | 21.70      | 0.1479  | 24.49     | 0.2812  |
| Highest            |            | 1    | 49     | 21.36      | 0.1368  | 25.34     | 0.3420  |
| Limit              | EIRP < 2W  |      |        | Result     |         | PASS      |         |



| LTE Band 38 / 5MHz |            |      |        |            |         |           |         |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel            | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                    |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest             | QPSK       | 1    | 12     | 20.85      | 0.1216  | 25.25     | 0.3350  |
| Middle             |            | 1    | 12     | 18.72      | 0.0745  | 23.90     | 0.2455  |
| Highest            |            | 1    | 12     | 19.21      | 0.0834  | 24.18     | 0.2618  |
| Lowest             | 16QAM      | 1    | 24     | 19.49      | 0.0889  | 24.35     | 0.2723  |
| Middle             |            | 1    | 0      | 18.77      | 0.0753  | 23.95     | 0.2483  |
| Highest            |            | 1    | 0      | 18.29      | 0.0675  | 23.40     | 0.2188  |
| Limit              | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 38 / 10MHz |            |      |        |            |         |           |         |
|---------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel             | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                     |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest              | QPSK       | 1    | 24     | 20.92      | 0.1236  | 25.59     | 0.3622  |
| Middle              |            | 1    | 24     | 19.64      | 0.0920  | 24.84     | 0.3048  |
| Highest             |            | 1    | 24     | 19.21      | 0.0834  | 24.24     | 0.2655  |
| Lowest              | 16QAM      | 1    | 24     | 19.95      | 0.0989  | 24.73     | 0.2972  |
| Middle              |            | 1    | 0      | 18.74      | 0.0748  | 24.03     | 0.2529  |
| Highest             |            | 1    | 24     | 18.29      | 0.0675  | 23.29     | 0.2133  |
| Limit               | EIRP < 2W  |      |        | Result     |         | PASS      |         |



| LTE Band 38 / 15MHz |            |      |        |            |         |           |         |
|---------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel             | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                     |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest              | QPSK       | 1    | 0      | 20.80      | 0.1202  | 25.43     | 0.3491  |
| Middle              |            | 1    | 74     | 19.27      | 0.0845  | 24.39     | 0.2748  |
| Highest             |            | 1    | 0      | 19.31      | 0.0853  | 24.44     | 0.2780  |
| Lowest              | 16QAM      | 1    | 37     | 19.17      | 0.0826  | 23.97     | 0.2495  |
| Middle              |            | 1    | 0      | 18.89      | 0.0774  | 24.32     | 0.2704  |
| Highest             |            | 1    | 0      | 18.21      | 0.0662  | 23.49     | 0.2234  |
| Limit               | EIRP < 2W  |      |        | Result     |         | PASS      |         |

| LTE Band 38/ 20MHz |            |      |        |            |         |           |         |
|--------------------|------------|------|--------|------------|---------|-----------|---------|
| Channel            | Modulation | RB   |        | Horizontal |         | Vertical  |         |
|                    |            | Size | Offset | EIRP(dBm)  | EIRP(W) | EIRP(dBm) | EIRP(W) |
| Lowest             | QPSK       | 1    | 49     | 19.97      | 0.0993  | 24.91     | 0.3097  |
| Middle             |            | 1    | 49     | 19.41      | 0.0873  | 24.31     | 0.2698  |
| Highest            |            | 1    | 49     | 19.11      | 0.0815  | 24.29     | 0.2685  |
| Lowest             | 16QAM      | 1    | 0      | 19.75      | 0.0944  | 24.61     | 0.2891  |
| Middle             |            | 1    | 0      | 18.58      | 0.0721  | 23.92     | 0.2466  |
| Highest            |            | 1    | 0      | 18.30      | 0.0676  | 23.38     | 0.2178  |
| Limit              | EIRP < 2W  |      |        | Result     |         | PASS      |         |



## **Radiated Spurious Emission**



| LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                         | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                          | 3465                 | -40.60          | -13              | -27.60                  | -57.21                  | -44.97                   | 3.12                       | 7.49                        | H                     |
|                                                 | 5196                 | -37.36          | -13              | -24.36                  | -53.10                  | -43.16                   | 3.65                       | 9.45                        | H                     |
|                                                 | 6927                 | -39.73          | -13              | -26.73                  | -56.59                  | -46.93                   | 4.15                       | 11.35                       | H                     |
|                                                 | 3465                 | -40.43          | -13              | -27.43                  | -57.49                  | -44.80                   | 3.12                       | 7.49                        | V                     |
|                                                 | 5199                 | -34.78          | -13              | -21.78                  | -52                     | -40.58                   | 3.65                       | 9.45                        | V                     |
|                                                 | 6927                 | -42.64          | -13              | -29.64                  | -57.89                  | -49.84                   | 4.15                       | 11.35                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                       | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                        | 3462                 | -40.60          | -13              | -27.60                  | -57.21                  | -44.97                   | 3.12                       | 7.49                        | H                     |
|                                               | 5196                 | -37.57          | -13              | -24.57                  | -53.23                  | -43.37                   | 3.65                       | 9.45                        | H                     |
|                                               | 6924                 | -37.45          | -13              | -24.45                  | -55.35                  | -44.65                   | 4.15                       | 11.35                       | H                     |
|                                               | 3462                 | -38.13          | -13              | -25.13                  | -56.24                  | -42.50                   | 3.12                       | 7.49                        | V                     |
|                                               | 5196                 | -34.93          | -13              | -21.93                  | -52.09                  | -40.73                   | 3.65                       | 9.45                        | V                     |
|                                               | 6924                 | -43.13          | -13              | -30.13                  | -58.38                  | -50.33                   | 4.15                       | 11.35                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                       | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                        | 3459                 | -41.55          | -13              | -28.55                  | -57.95                  | -45.92                   | 3.12                       | 7.49                        | H                     |
|                                               | 5193                 | -39.31          | -13              | -26.31                  | -54.36                  | -45.11                   | 3.65                       | 9.45                        | H                     |
|                                               | 6921                 | -40.00          | -13              | -27.00                  | -56.86                  | -47.20                   | 4.15                       | 11.35                       | H                     |
|                                               | 3459                 | -41.68          | -13              | -28.68                  | -58.42                  | -46.05                   | 3.12                       | 7.49                        | V                     |
|                                               | 5193                 | -36.78          | -13              | -23.78                  | -53.3                   | -42.58                   | 3.65                       | 9.45                        | V                     |
|                                               | 6921                 | -41.75          | -13              | -28.75                  | -57                     | -48.95                   | 4.15                       | 11.35                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                        | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                         | 3456                 | -41.44          | -13              | -28.44                  | -57.85                  | -45.81                   | 3.12                       | 7.49                        | H                     |
|                                                | 5187                 | -39.77          | -13              | -26.77                  | -54.81                  | -45.57                   | 3.65                       | 9.45                        | H                     |
|                                                | 6912                 | -39.47          | -13              | -26.47                  | -56.33                  | -46.67                   | 4.15                       | 11.35                       | H                     |
|                                                | 3456                 | -42.00          | -13              | -29.00                  | -58.58                  | -46.37                   | 3.12                       | 7.49                        | V                     |
|                                                | 5187                 | -38.13          | -13              | -25.13                  | -54.2                   | -43.93                   | 3.65                       | 9.45                        | V                     |
|                                                | 6912                 | -42.39          | -13              | -29.39                  | -57.64                  | -49.59                   | 4.15                       | 11.35                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                        | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                         | 3450                 | -43.24          | -13              | -30.24                  | -58.72                  | -47.61                   | 3.12                       | 7.49                        | H                     |
|                                                | 5178                 | -39.94          | -13              | -26.94                  | -54.98                  | -45.74                   | 3.65                       | 9.45                        | H                     |
|                                                | 6903                 | -41.13          | -13              | -28.13                  | -57.99                  | -48.33                   | 4.15                       | 11.35                       | H                     |
|                                                | 3453                 | -43.01          | -13              | -30.01                  | -58.89                  | -47.38                   | 3.12                       | 7.49                        | V                     |
|                                                | 5178                 | -37.13          | -13              | -24.13                  | -53.57                  | -42.93                   | 3.65                       | 9.45                        | V                     |
|                                                | 6903                 | -44.45          | -13              | -31.45                  | -59.7                   | -51.65                   | 4.15                       | 11.35                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                        | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                         | 3447                 | -42.40          | -13              | -29.40                  | -58.42                  | -46.77                   | 3.12                       | 7.49                        | H                     |
|                                                | 5172                 | -39.22          | -13              | -26.22                  | -54.27                  | -45.02                   | 3.65                       | 9.45                        | H                     |
|                                                | 6894                 | -42.26          | -13              | -29.26                  | -59.12                  | -49.46                   | 4.15                       | 11.35                       | H                     |
|                                                | 3447                 | -42.26          | -13              | -29.26                  | -58.66                  | -46.63                   | 3.12                       | 7.49                        | V                     |
|                                                | 5172                 | -36.04          | -13              | -23.04                  | -52.69                  | -41.84                   | 3.65                       | 9.45                        | V                     |
|                                                | 6891                 | -45.45          | -13              | -32.45                  | -60.7                   | -52.65                   | 4.15                       | 11.35                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                         | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                          | 1672                 | -55.44          | -13              | -42.44                  | -57.62                  | -57.33                   | 1.86                       | 5.90                        | H                     |
|                                                 | 2507.88              | -53.72          | -13              | -40.72                  | -62.75                  | -56.06                   | 2.31                       | 6.80                        | H                     |
|                                                 | 3344                 | -52.81          | -13              | -39.81                  | -65.44                  | -55.21                   | 2.85                       | 7.40                        | H                     |
|                                                 | 1672                 | -58.36          | -13              | -45.36                  | -57.22                  | -60.25                   | 1.86                       | 5.90                        | V                     |
|                                                 | 2507.88              | -51.20          | -13              | -38.20                  | -62.17                  | -53.54                   | 2.31                       | 6.80                        | V                     |
|                                                 | 3344                 | -51.03          | -13              | -38.03                  | -65.01                  | -53.43                   | 2.85                       | 7.40                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 5 / 3MHz / QPSK / RB Size 1 Offset 0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                       | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                        | 1670                 | -54.85         | -13              | -41.85                  | -57.03                  | -56.74                   | 1.86                       | 5.90                        | H                     |
|                                               | 2505.72              | -50.23         | -13              | -37.23                  | -59.26                  | -52.57                   | 2.31                       | 6.80                        | H                     |
|                                               | 3340                 | -52.32         | -13              | -39.32                  | -64.95                  | -54.72                   | 2.85                       | 7.40                        | H                     |
|                                               | 1670                 | -58.87         | -13              | -45.87                  | -57.73                  | -60.76                   | 1.86                       | 5.90                        | V                     |
|                                               | 2505.72              | -48.03         | -13              | -35.03                  | -59.00                  | -50.37                   | 2.31                       | 6.80                        | V                     |
|                                               | 3340                 | -50.80         | -13              | -37.80                  | -64.78                  | -53.20                   | 2.85                       | 7.40                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                       | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                        | 1668                 | -54.80         | -13              | -41.80                  | -56.98                  | -56.69                   | 1.86                       | 5.90                        | H                     |
|                                               | 2504                 | -47.09         | -13              | -34.09                  | -57.50                  | -49.43                   | 2.31                       | 6.80                        | H                     |
|                                               | 3338                 | -51.84         | -13              | -38.84                  | -64.47                  | -54.24                   | 2.85                       | 7.40                        | H                     |
|                                               | 1669                 | -58.84         | -13              | -45.84                  | -57.70                  | -60.73                   | 1.86                       | 5.90                        | V                     |
|                                               | 2504                 | -35.86         | -13              | -22.86                  | -51.75                  | -38.20                   | 2.31                       | 6.80                        | V                     |
|                                               | 3338                 | -50.33         | -13              | -37.33                  | -64.31                  | -52.73                   | 2.85                       | 7.40                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                        | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                         | 1664                 | -54.15         | -13              | -41.15                  | -56.33                  | -56.04                   | 1.86                       | 5.90                        | H                     |
|                                                | 2496                 | -43.63         | -13              | -30.63                  | -56.00                  | -45.97                   | 2.31                       | 6.80                        | H                     |
|                                                | 3328                 | -52.54         | -13              | -39.54                  | -65.17                  | -54.94                   | 2.85                       | 7.40                        | H                     |
|                                                | 1664                 | -57.84         | -13              | -44.84                  | -56.70                  | -59.73                   | 1.86                       | 5.90                        | V                     |
|                                                | 2498                 | -39.21         | -13              | -26.21                  | -53.97                  | -41.55                   | 2.31                       | 6.80                        | V                     |
|                                                | 3328                 | -50.01         | -13              | -37.01                  | -63.99                  | -52.41                   | 2.85                       | 7.40                        | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|-----------------------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                       | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                        | 5066                 | -48.03         | -25              | -23.03                  | -62.01                  | -53.81                   | 3.49                       | 9.27                        | H                     |
|                                               | 7598                 | -44.70         | -25              | -19.70                  | -61.24                  | -52.49                   | 4.28                       | 12.07                       | H                     |
|                                               | 10132                | -35.44         | -25              | -10.44                  | -59.06                  | -42.74                   | 5.1                        | 12.40                       | H                     |
|                                               | 12663                | -35.84         | -25              | -10.84                  | -61.23                  | -43.12                   | 5.66                       | 12.94                       | H                     |
|                                               | 15198                | -51.36         | -25              | -26.36                  | -79.58                  | -58.68                   | 5.99                       | 13.31                       | H                     |
|                                               | 5066                 | -48.63         | -25              | -23.63                  | -62.79                  | -54.41                   | 3.49                       | 9.27                        | V                     |
|                                               | 7598                 | -45.74         | -25              | -20.74                  | -62.76                  | -53.53                   | 4.28                       | 12.07                       | V                     |
|                                               | 10132                | -32.73         | -25              | -7.73                   | -57.52                  | -40.03                   | 5.1                        | 12.40                       | V                     |
|                                               | 12669                | -38.33         | -25              | -13.33                  | -62.39                  | -45.61                   | 5.66                       | 12.94                       | V                     |
|                                               | 15210                | -49.26         | -25              | -24.26                  | -78.48                  | -56.58                   | 5.99                       | 13.31                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                        | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                         | 5061.36              | -46.42          | -25              | -21.42                  | -60.40                  | -52.20                   | 3.49                       | 9.27                        | H                     |
|                                                | 7592                 | -42.62          | -25              | -17.62                  | -59.16                  | -50.41                   | 4.28                       | 12.07                       | H                     |
|                                                | 10124                | -34.46          | -25              | -9.46                   | -58.46                  | -41.76                   | 5.1                        | 12.40                       | H                     |
|                                                | 12654                | -35.43          | -25              | -10.43                  | -61.07                  | -42.71                   | 5.66                       | 12.94                       | H                     |
|                                                | 15183                | -51.42          | -25              | -26.42                  | -79.64                  | -58.74                   | 5.99                       | 13.31                       | H                     |
|                                                | 5060                 | -46.79          | -25              | -21.79                  | -60.95                  | -52.57                   | 3.49                       | 9.27                        | V                     |
|                                                | 7592                 | -43.92          | -25              | -18.92                  | -60.94                  | -51.71                   | 4.28                       | 12.07                       | V                     |
|                                                | 10124                | -31.03          | -25              | -6.03                   | -56.42                  | -38.33                   | 5.1                        | 12.40                       | V                     |
|                                                | 12654                | -40.83          | -25              | -15.83                  | -64.36                  | -48.11                   | 5.66                       | 12.94                       | V                     |
|                                                | 15183                | -48.83          | -25              | -23.83                  | -78.05                  | -56.15                   | 5.99                       | 13.31                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                        | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                         | 5057                 | -48.84          | -25              | -23.84                  | -62.82                  | -54.62                   | 3.49                       | 9.27                        | H                     |
|                                                | 7586                 | -45.41          | -25              | -20.41                  | -61.95                  | -53.20                   | 4.28                       | 12.07                       | H                     |
|                                                | 10112                | -40.18          | -25              | -15.18                  | -61.57                  | -47.48                   | 5.1                        | 12.40                       | H                     |
|                                                | 12642                | -36.32          | -25              | -11.32                  | -61.46                  | -43.60                   | 5.66                       | 12.94                       | H                     |
|                                                | 15168                | -50.97          | -25              | -25.97                  | -79.19                  | -58.29                   | 5.99                       | 13.31                       | H                     |
|                                                | 5075                 | -48.22          | -25              | -23.22                  | -62.38                  | -54.00                   | 3.49                       | 9.27                        | V                     |
|                                                | 7586                 | -44.60          | -25              | -19.60                  | -61.62                  | -52.39                   | 4.28                       | 12.07                       | V                     |
|                                                | 10112                | -32.93          | -25              | -7.93                   | -57.61                  | -40.23                   | 5.1                        | 12.40                       | V                     |
|                                                | 12642                | -39.87          | -25              | -14.87                  | -63.4                   | -47.15                   | 5.66                       | 12.94                       | V                     |
|                                                | 15168                | -48.75          | -25              | -23.75                  | -77.97                  | -56.07                   | 5.99                       | 13.31                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                        | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                         | 5051                 | -47.22          | -25              | -22.22                  | -61.20                  | -53.00                   | 3.49                       | 9.27                        | H                     |
|                                                | 7580                 | -44.28          | -25              | -19.28                  | -60.82                  | -52.07                   | 4.28                       | 12.07                       | H                     |
|                                                | 10104                | -34.36          | -25              | -9.36                   | -58.39                  | -41.66                   | 5.1                        | 12.40                       | H                     |
|                                                | 12630                | -33.26          | -25              | -8.26                   | -59.77                  | -40.54                   | 5.66                       | 12.94                       | H                     |
|                                                | 15156                | -49.58          | -25              | -24.58                  | -77.80                  | -56.90                   | 5.99                       | 13.31                       | H                     |
|                                                | 5051                 | -47.68          | -25              | -22.68                  | -61.84                  | -53.46                   | 3.49                       | 9.27                        | V                     |
|                                                | 7580                 | -45.57          | -25              | -20.57                  | -62.59                  | -53.36                   | 4.28                       | 12.07                       | V                     |
|                                                | 10104                | -29.31          | -25              | -4.31                   | -55.26                  | -36.61                   | 5.1                        | 12.40                       | V                     |
|                                                | 12630                | -37.66          | -25              | -12.66                  | -62.08                  | -44.94                   | 5.66                       | 12.94                       | V                     |
|                                                | 15156                | -49.15          | -25              | -24.15                  | -78.37                  | -56.47                   | 5.99                       | 13.31                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 38 / 5MHz / QPSK / RB Size 1 Offset 0 |                      |                |                  |                         |                         |                          |                            |                             |                       |
|------------------------------------------------|----------------------|----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                        | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                         | 5186                 | -48.45         | -25              | -23.45                  | -62.43                  | -54.23                   | 3.49                       | 9.27                        | H                     |
|                                                | 7779                 | -44.39         | -25              | -19.39                  | -60.93                  | -52.18                   | 4.28                       | 12.07                       | H                     |
|                                                | 10372                | -37.14         | -25              | -12.14                  | -59.84                  | -44.44                   | 5.1                        | 12.40                       | H                     |
|                                                | 5186                 | -44.17         | -25              | -19.17                  | -58.33                  | -49.95                   | 3.49                       | 9.27                        | V                     |
|                                                | 7779                 | -44.04         | -25              | -19.04                  | -61.06                  | -51.83                   | 4.28                       | 12.07                       | V                     |
|                                                | 10372                | -41.93         | -25              | -16.93                  | -63.03                  | -49.23                   | 5.1                        | 12.40                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 38 / 10MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                         | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                          | 5180                 | -47.34          | -25              | -22.34                  | -61.32                  | -53.12                   | 3.49                       | 9.27                        | H                     |
|                                                 | 7775                 | -42.65          | -25              | -17.65                  | -59.19                  | -50.44                   | 4.28                       | 12.07                       | H                     |
|                                                 | 10364                | -39.17          | -25              | -14.17                  | -60.56                  | -46.47                   | 5.1                        | 12.40                       | H                     |
|                                                 | 5180                 | -44.24          | -25              | -19.24                  | -58.4                   | -50.02                   | 3.49                       | 9.27                        | V                     |
|                                                 | 7772                 | -43.94          | -25              | -18.94                  | -60.96                  | -51.73                   | 4.28                       | 12.07                       | V                     |
|                                                 | 10364                | -40.43          | -25              | -15.43                  | -61.53                  | -47.73                   | 5.1                        | 12.40                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



| LTE Band 38 / 15MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                         | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                          | 5177                 | -47.36          | -25              | -22.36                  | -61.34                  | -53.14                   | 3.49                       | 9.27                        | H                     |
|                                                 | 7766                 | -43.73          | -25              | -18.73                  | -60.27                  | -51.52                   | 4.28                       | 12.07                       | H                     |
|                                                 | 10356                | -38.38          | -25              | -13.38                  | -60.28                  | -45.68                   | 5.1                        | 12.40                       | H                     |
|                                                 | 5177                 | -41.75          | -25              | -16.75                  | -57.19                  | -47.53                   | 3.49                       | 9.27                        | V                     |
|                                                 | 7766                 | -42.98          | -25              | -17.98                  | -60                     | -50.77                   | 4.28                       | 12.07                       | V                     |
|                                                 | 10352                | -41.58          | -25              | -16.58                  | -62.68                  | -48.88                   | 5.1                        | 12.40                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

| LTE Band 38 / 20MHz / QPSK / RB Size 1 Offset 0 |                      |                 |                  |                         |                         |                          |                            |                             |                       |
|-------------------------------------------------|----------------------|-----------------|------------------|-------------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                                         | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | SPA<br>Reading<br>(dBm) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Middle                                          | 5171                 | -47.45          | -25              | -22.45                  | -61.43                  | -53.23                   | 3.49                       | 9.27                        | H                     |
|                                                 | 7758                 | -44.00          | -25              | -19.00                  | -60.54                  | -51.79                   | 4.28                       | 12.07                       | H                     |
|                                                 | 10344                | -37.67          | -25              | -12.67                  | -60.07                  | -44.97                   | 5.1                        | 12.40                       | H                     |
|                                                 | 5171                 | -40.57          | -25              | -15.57                  | -56.56                  | -46.35                   | 3.49                       | 9.27                        | V                     |
|                                                 | 7758                 | -43.23          | -25              | -18.23                  | -60.25                  | -51.02                   | 4.28                       | 12.07                       | V                     |
|                                                 | 10344                | -40.90          | -25              | -15.90                  | -62                     | -48.20                   | 5.1                        | 12.40                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.