



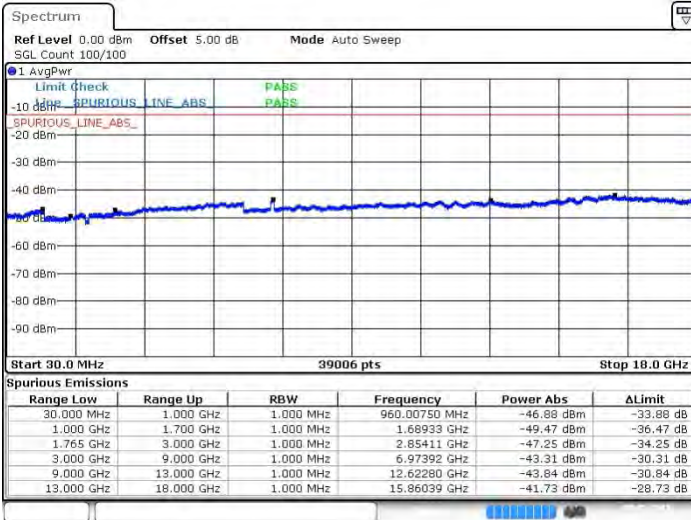
Conducted Spurious Emission



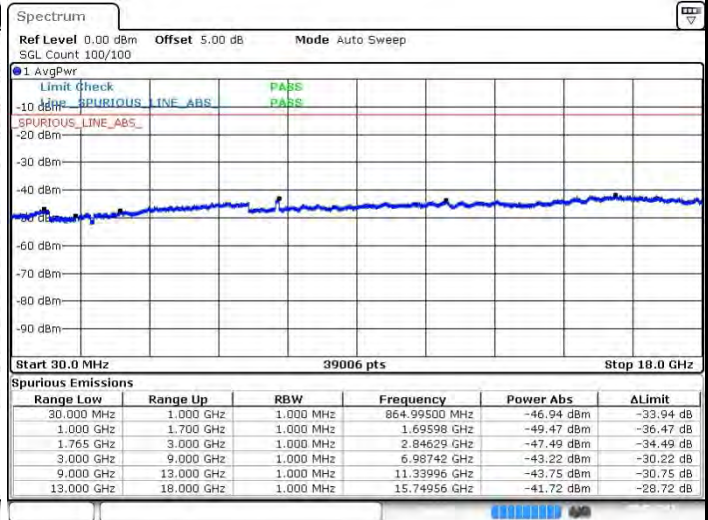
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



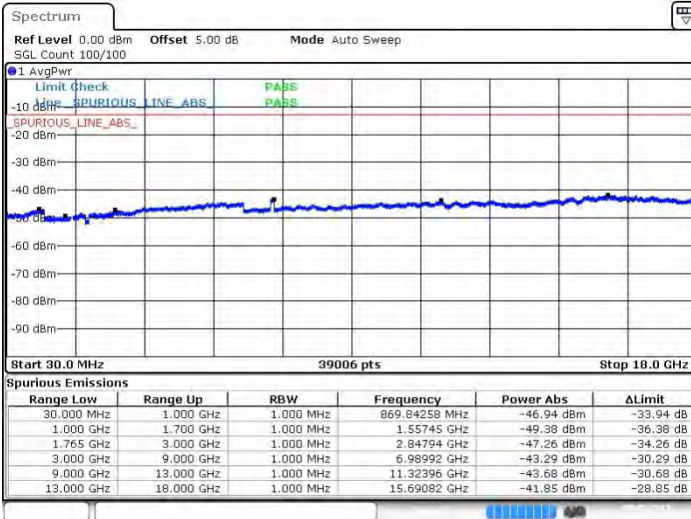
Date: 8 MAY, 2015 19:43:53



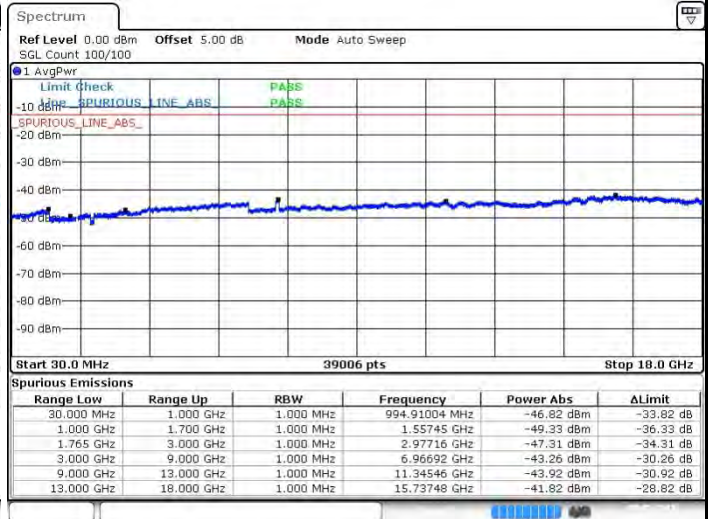
Date: 8 MAY, 2015 19:45:11

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

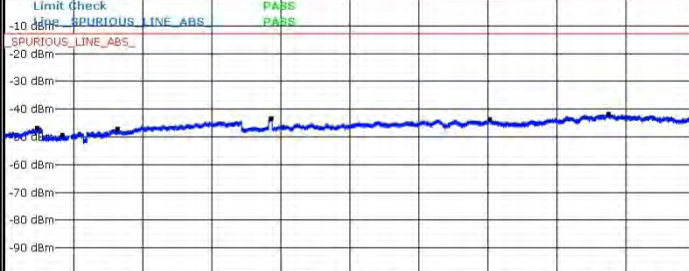
Highest Channel / QPSK

Highest Channel / 16QAM

Spectrum

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

1 AvgPwr



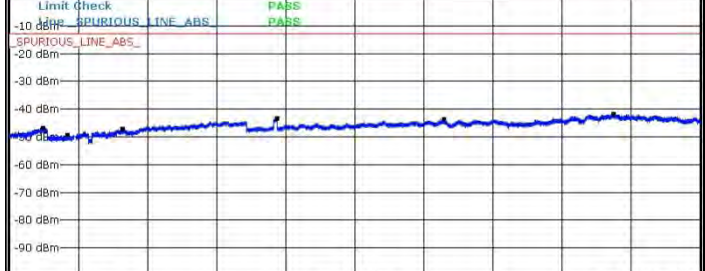
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	876.14443 MHz	-46.76 dBm	-33.76 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.52491 GHz	-49.46 dBm	-36.46 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97304 GHz	-47.32 dBm	-34.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96892 GHz	-43.27 dBm	-30.27 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

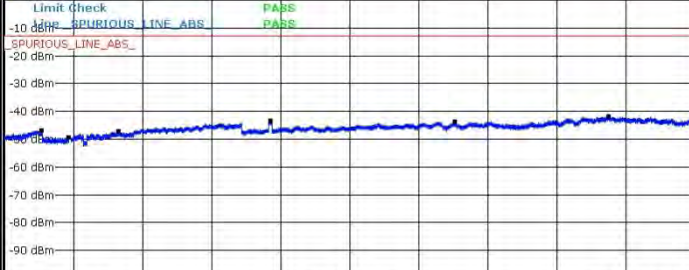
Lowest Channel / QPSK

Lowest Channel / 16QAM

Spectrum

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

1 AvgPwr



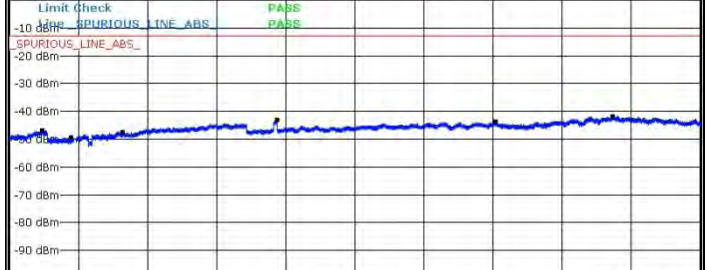
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	978.91304 MHz	-47.00 dBm	-34.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69458 GHz	-49.39 dBm	-36.39 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99486 GHz	-47.27 dBm	-34.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93742 GHz	-43.32 dBm	-30.32 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

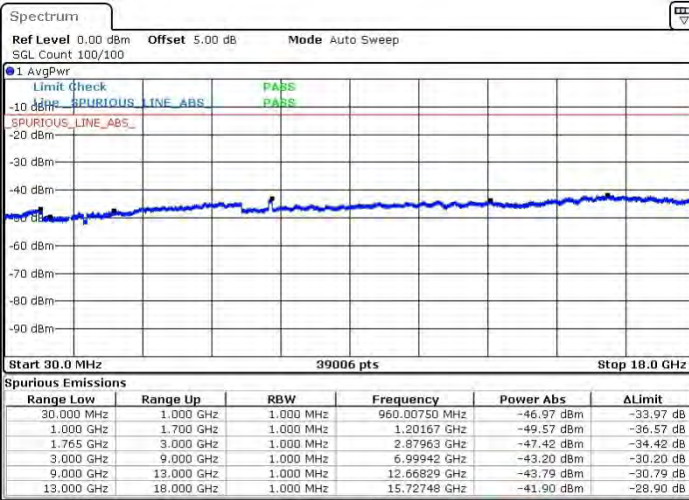
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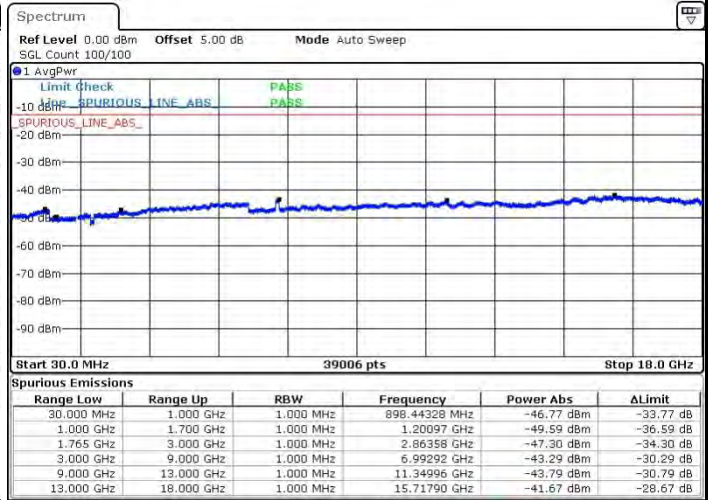
LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



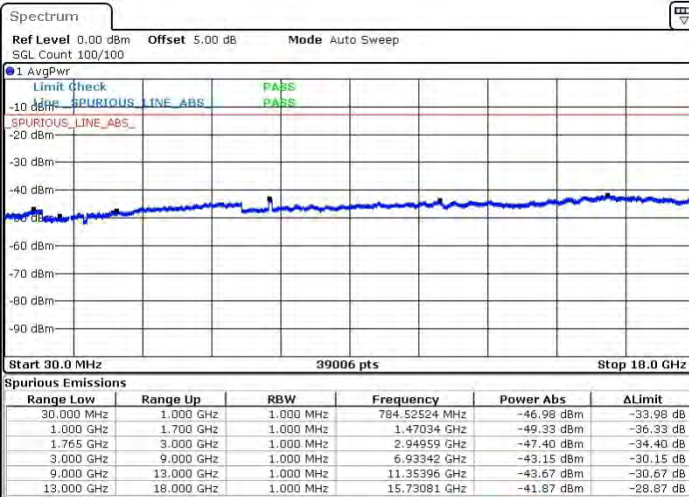
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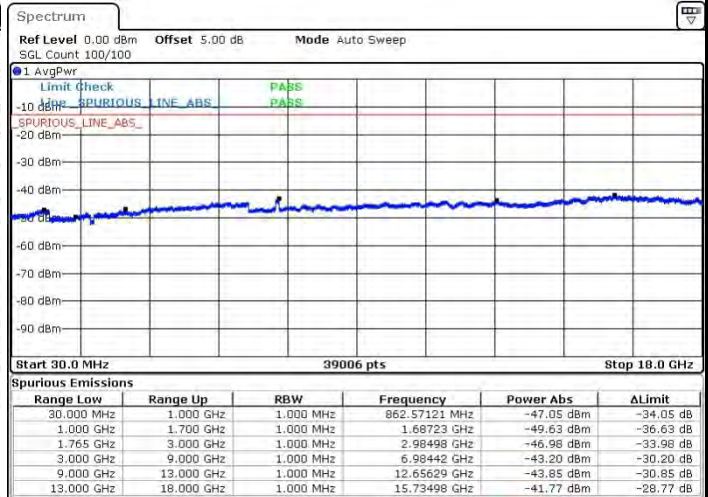
Date: 8 MAY 2015 19:58:32

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8 MAY 2015 20:00:34



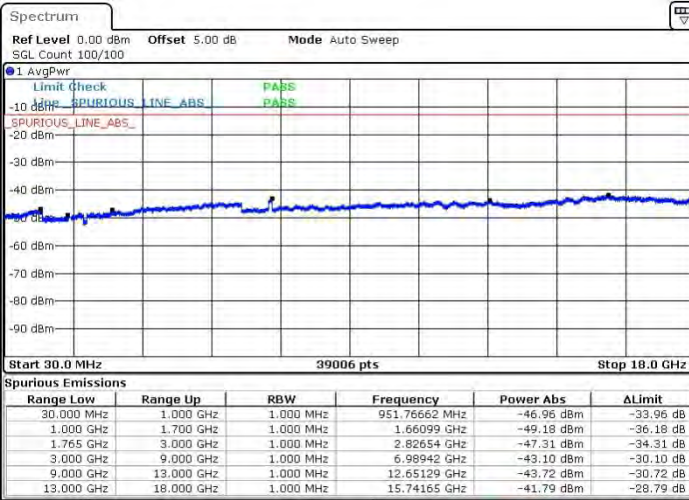
Date: 8 MAY 2015 20:01:52



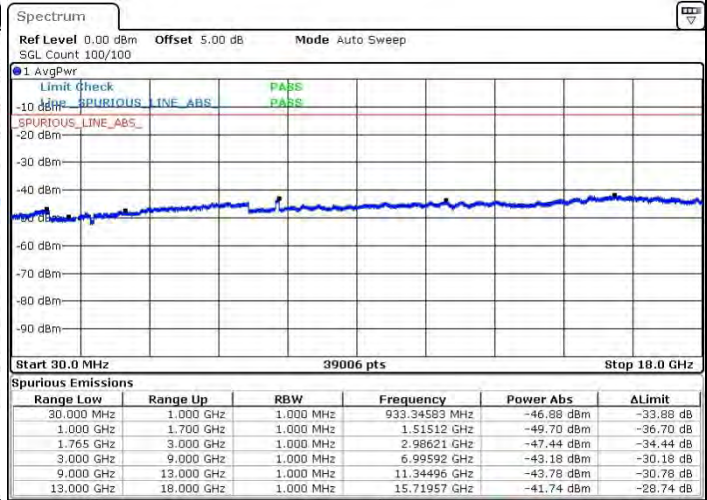
LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



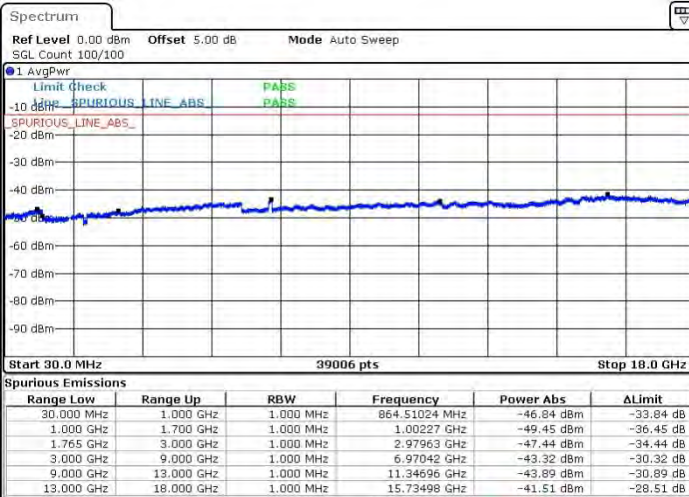
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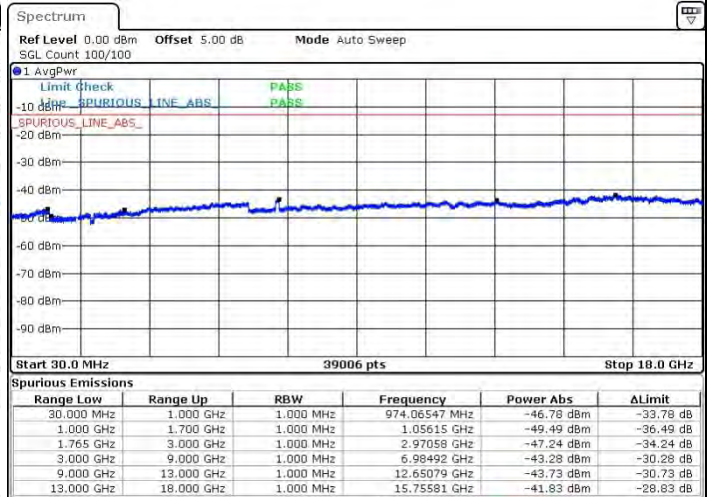
Date: 8 MAY 2015 20:05:12

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 8 MAY 2015 20:07:14



Date: 8 MAY 2015 20:08:32



LTE Band 4 / 5MHz

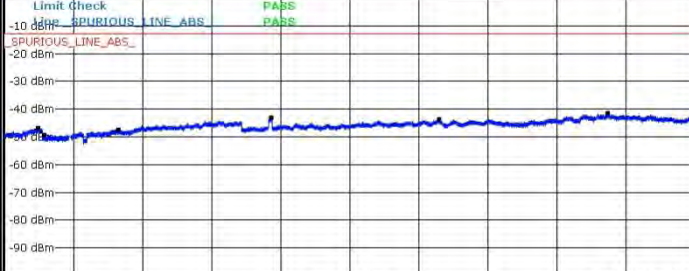
Highest Channel / QPSK

Highest Channel / 16QAM

Spectrum

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

1 AvgPwr



Start 30.0 MHz 39006 pts Stop 18.0 GHz

Spurious Emissions

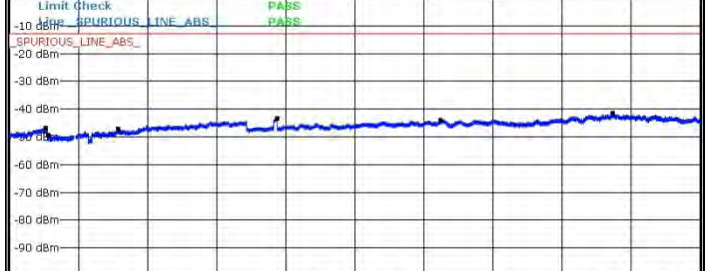
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.11094 MHz	-46.95 dBm	-33.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.04880 GHz	-49.41 dBm	-36.41 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98786 GHz	-47.48 dBm	-34.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96392 GHz	-43.01 dBm	-30.01 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

1 AvgPwr



Start 30.0 MHz 39006 pts Stop 18.0 GHz

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

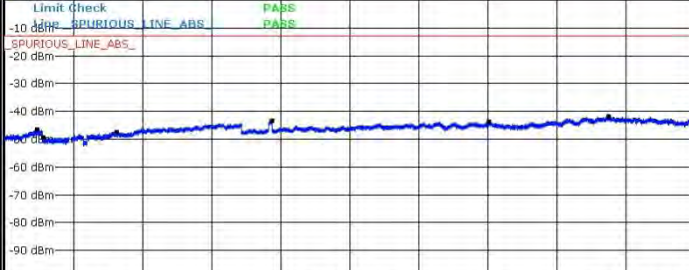
Lowest Channel / QPSK

Lowest Channel / 16QAM

Spectrum

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

1 AvgPwr



Start 30.0 MHz 39006 pts Stop 18.0 GHz

Spurious Emissions

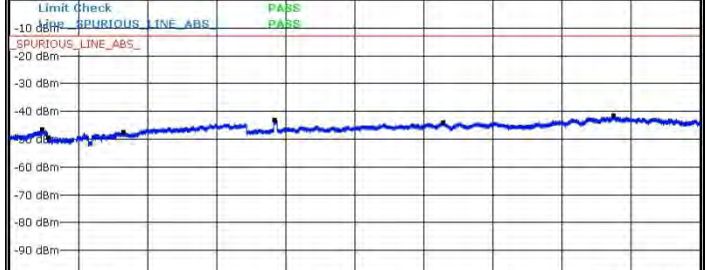
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.81209 MHz	-46.51 dBm	-33.51 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.03306 GHz	-49.51 dBm	-36.51 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.93806 GHz	-47.41 dBm	-34.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99492 GHz	-43.26 dBm	-30.26 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

1 AvgPwr



Start 30.0 MHz 39006 pts Stop 18.0 GHz

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

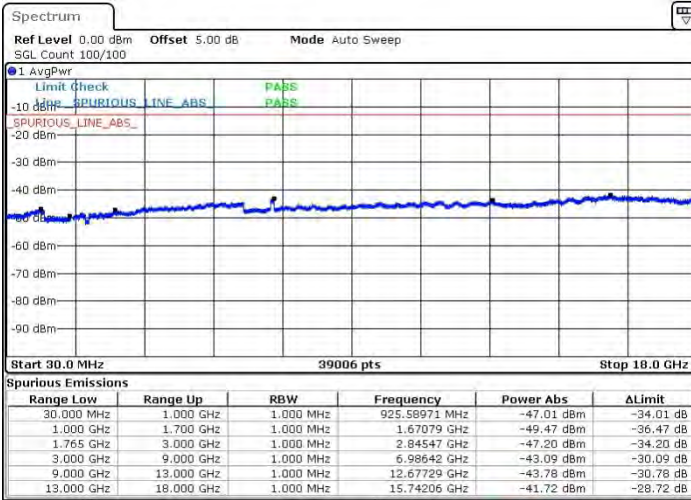
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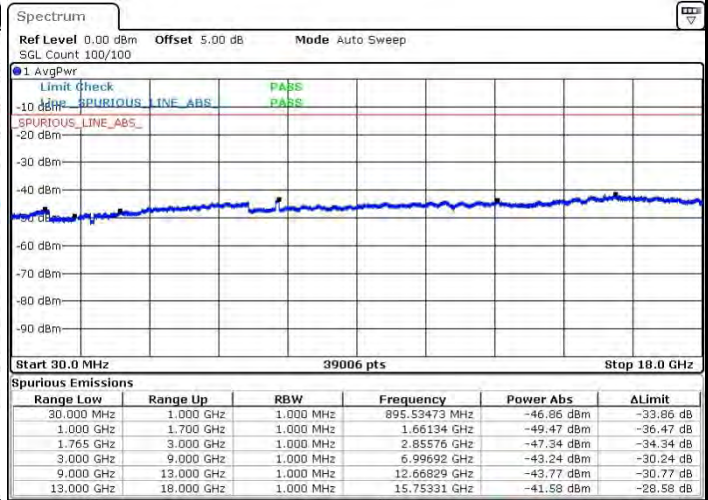
LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



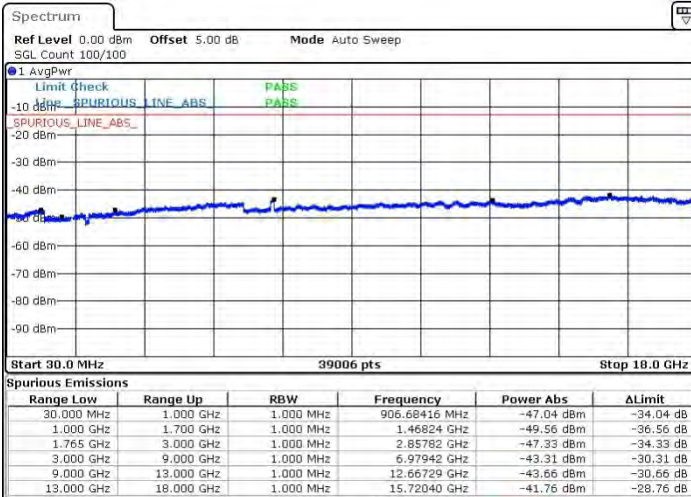
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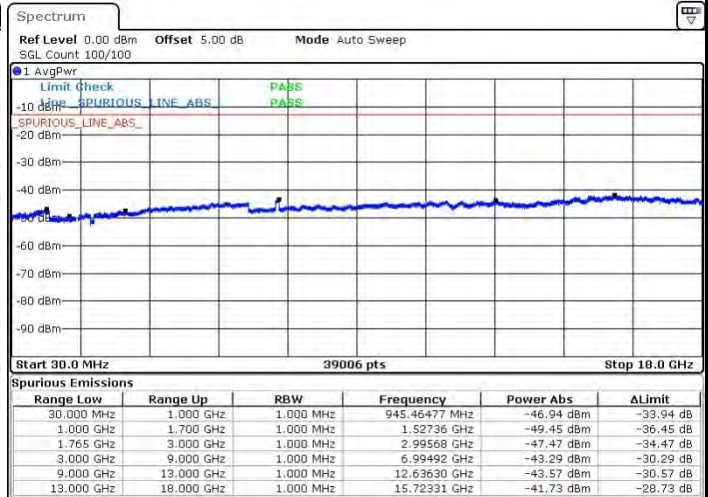
Date: 8 MAY 2015 20:18:33

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8 MAY 2015 20:20:35



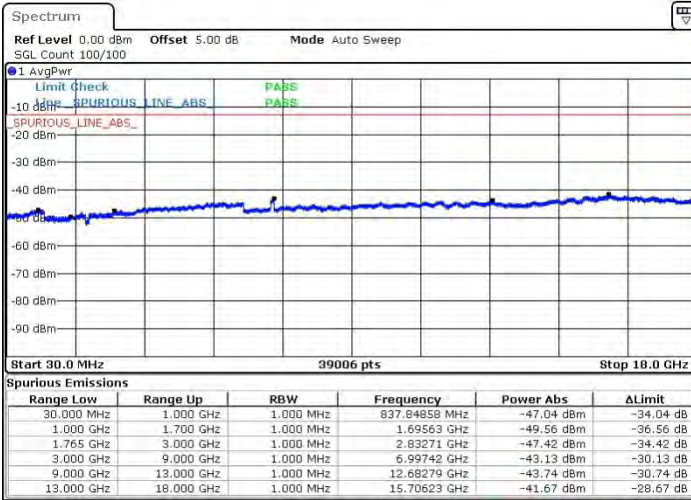
Date: 8 MAY 2015 20:21:53



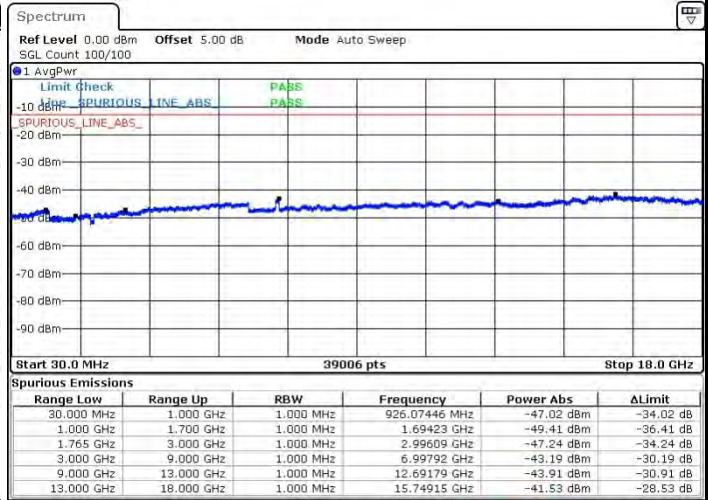
LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



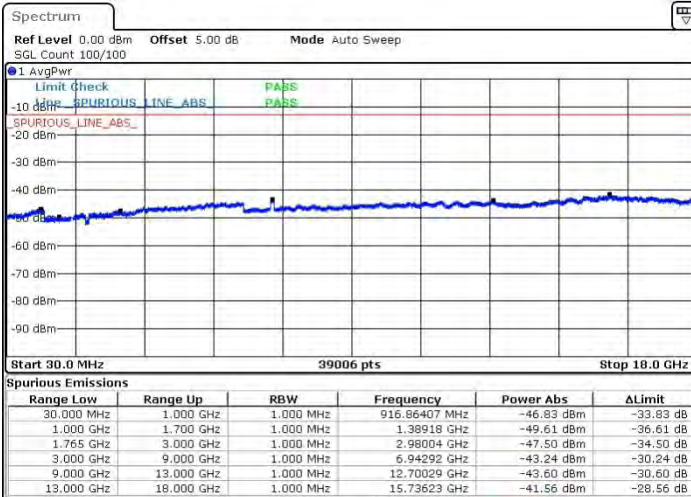
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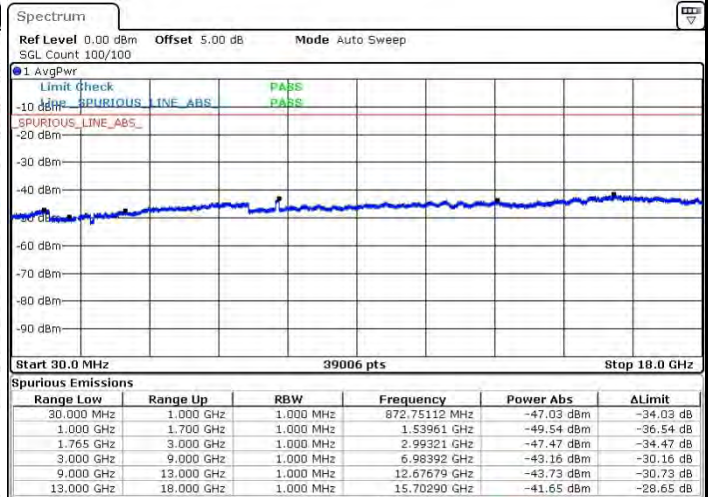
Date: 8 MAY 2015 20:25:15

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 8 MAY 2015 20:27:17



Date: 8 MAY 2015 20:28:35



LTE Band 4 / 15MHz

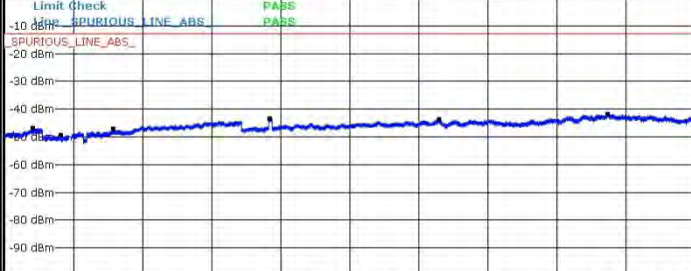
Highest Channel / QPSK

Highest Channel / 16QAM

Spectrum

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

1 AvgPwr



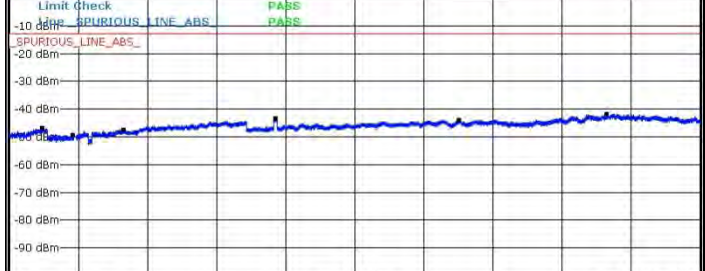
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	764.65017 MHz	-46.70 dBm	-33.70 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.49658 GHz	-49.40 dBm	-36.40 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85494 GHz	-47.29 dBm	-34.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92742 GHz	-43.26 dBm	-30.26 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.32846 GHz	-43.75 dBm	-30.75 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73123 GHz	-41.85 dBm	-28.85 dB

Date: 8 MAY 2015 20:30:37

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	867.41879 MHz	-46.91 dBm	-33.91 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66659 GHz	-49.53 dBm	-36.53 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98621 GHz	-47.39 dBm	-34.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93642 GHz	-43.25 dBm	-30.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.71741 GHz	-43.87 dBm	-30.87 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.57583 GHz	-41.71 dBm	-28.71 dB

Date: 8 MAY 2015 20:31:56

LTE Band 4 / 20MHz

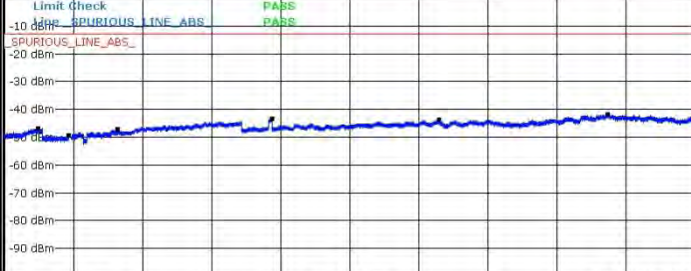
Lowest Channel / QPSK

Lowest Channel / 16QAM

Spectrum

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

1 AvgPwr



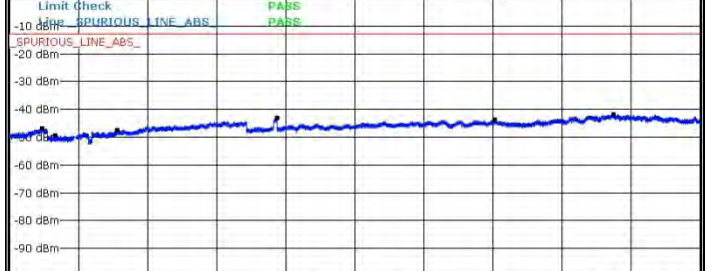
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	901.35182 MHz	-46.74 dBm	-33.74 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68653 GHz	-49.48 dBm	-36.48 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97099 GHz	-47.30 dBm	-34.30 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98842 GHz	-43.32 dBm	-30.32 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.34496 GHz	-43.79 dBm	-30.79 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72331 GHz	-41.73 dBm	-28.73 dB

Date: 8 MAY 2015 20:33:58

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	877.59870 MHz	-46.94 dBm	-33.94 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.21042 GHz	-49.38 dBm	-36.38 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83642 GHz	-47.43 dBm	-34.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99492 GHz	-43.19 dBm	-30.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65429 GHz	-43.75 dBm	-30.75 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74831 GHz	-41.71 dBm	-28.71 dB

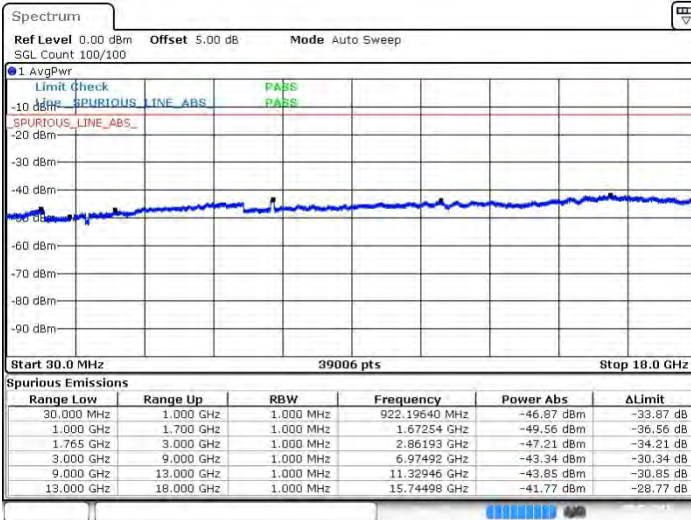
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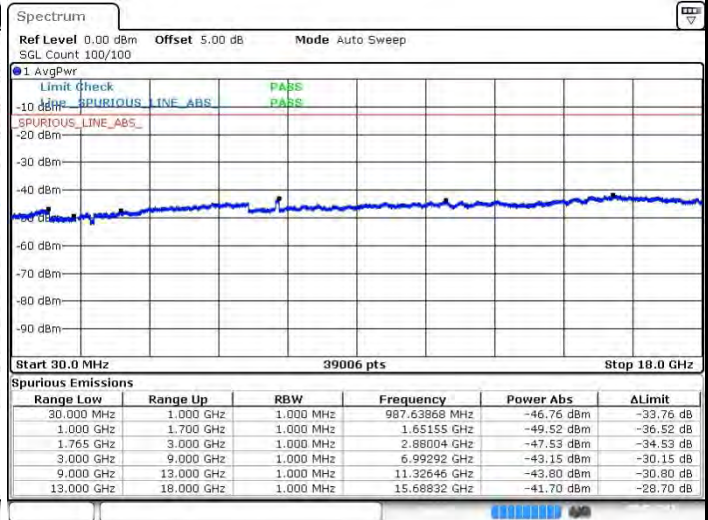
LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



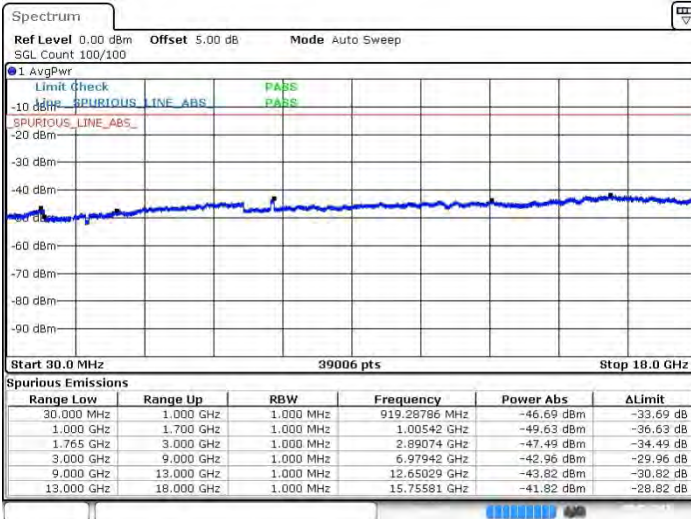
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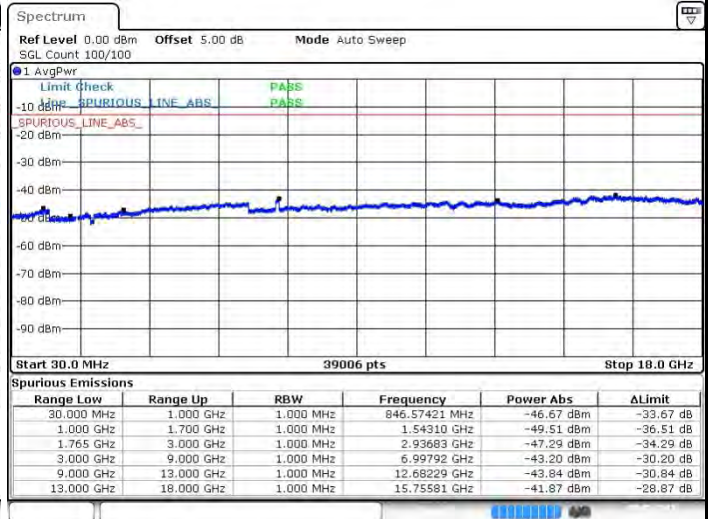
Date: 8 MAY 2015 20:38:36

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 8 MAY 2015 20:40:38



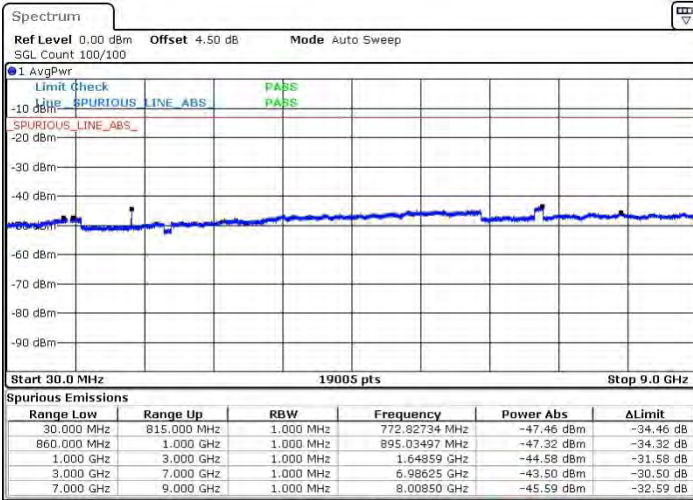
Date: 8 MAY 2015 20:41:56



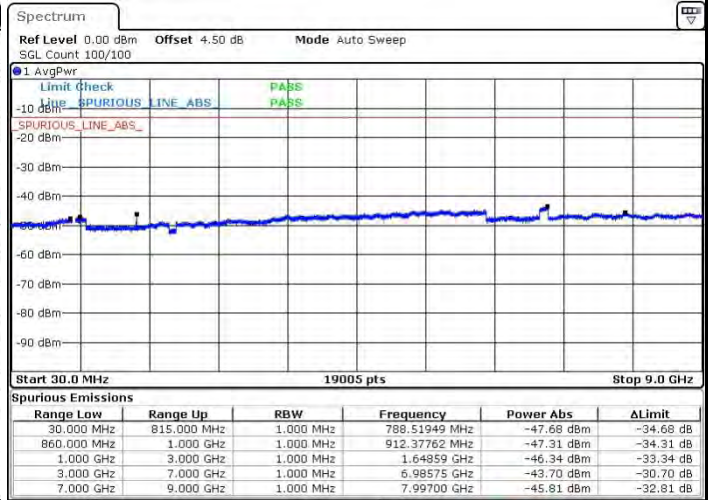
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



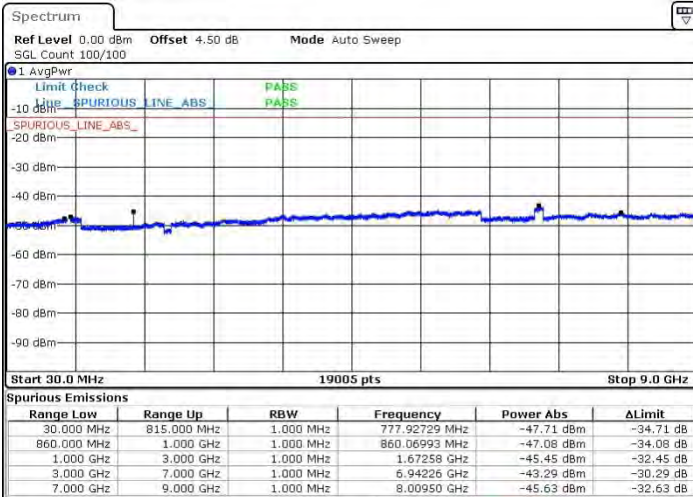
Date: 10 MAY 2015 09:18:57



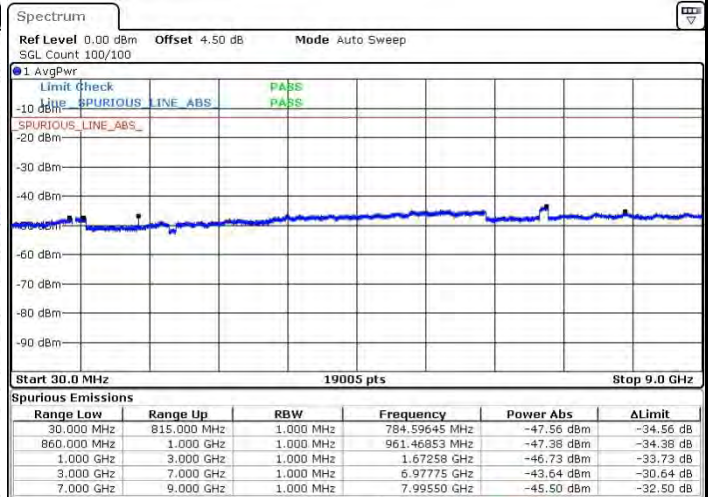
Date: 10 MAY 2015 09:20:16

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 10 MAY 2015 09:22:17



Date: 10 MAY 2015 09:23:35

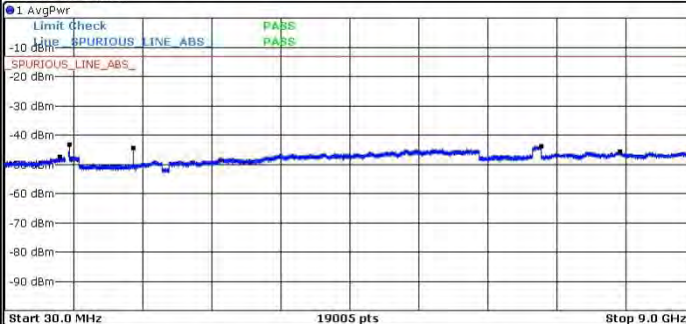


LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM

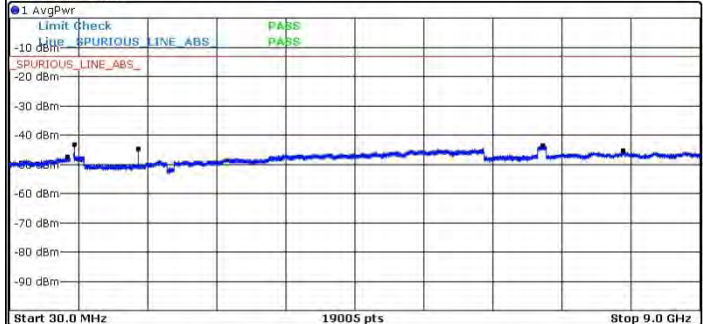
Spectrum

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

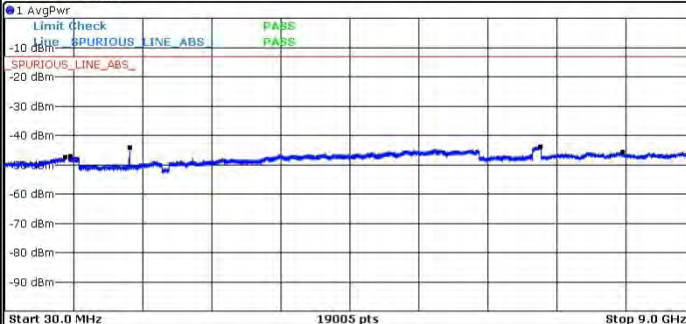
Date: 10 MAY 2015 09:26:54

LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

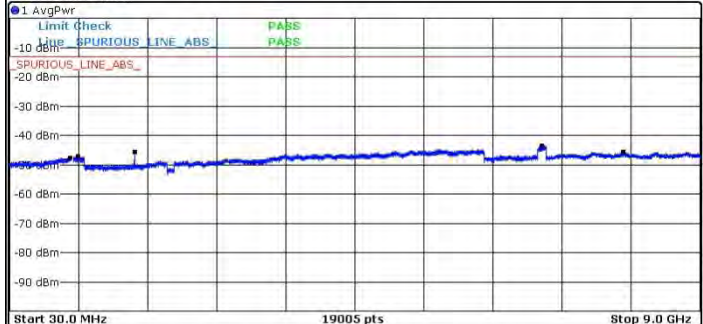
Spectrum

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

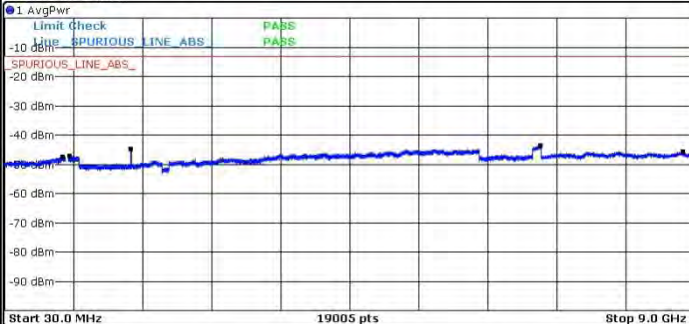


LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

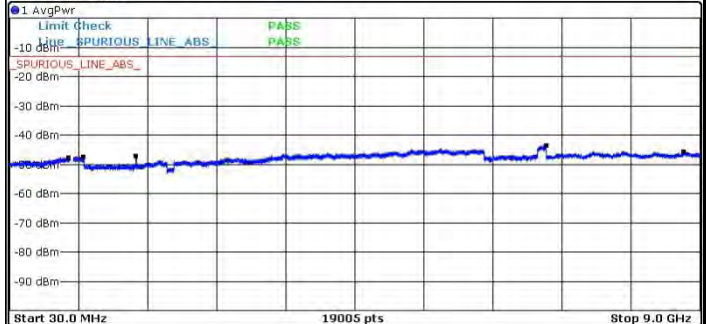
Spectrum

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	783.81184 MHz	-47.36 dBm	-34.36 dB
860.000 MHz	1.000 GHz	1.000 MHz	869.86014 MHz	-47.04 dBm	-34.04 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67058 GHz	-44.88 dBm	-31.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-43.68 dBm	-30.68 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.83729 GHz	-45.58 dBm	-32.58 dB

Date: 10 MAY 2015 09:32:15

Spectrum

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

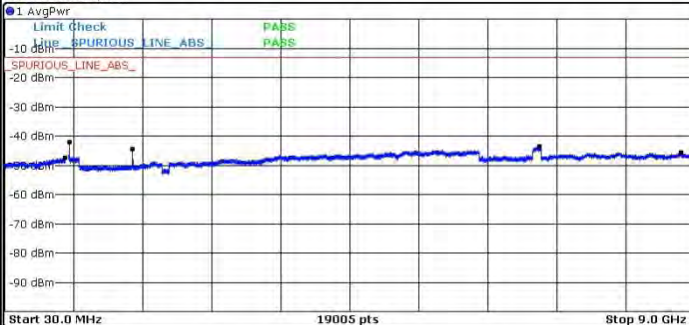
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	1.000 MHz	786.55797 MHz	-47.74 dBm	-34.74 dB
860.000 MHz	1.000 GHz	1.000 MHz	980.49951 MHz	-47.35 dBm	-34.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67058 GHz	-47.04 dBm	-34.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-43.52 dBm	-30.52 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78430 GHz	-45.70 dBm	-32.70 dB

Date: 10 MAY 2015 09:33:33

Highest Channel / QPSK

Highest Channel / 16QAM

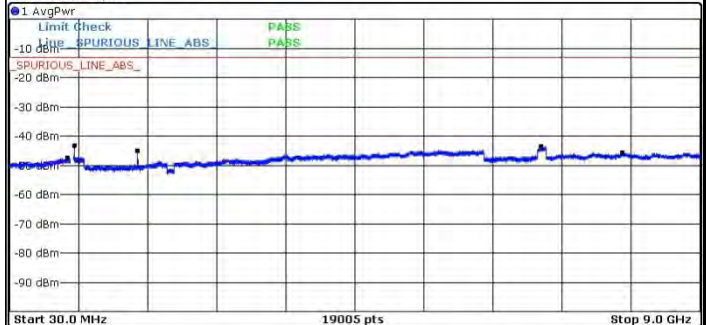
Spectrum

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	814.01924 MHz	-47.49 dBm	-34.49 dB
860.000 MHz	1.000 GHz	1.000 MHz	865.38462 MHz	-41.98 dBm	-28.98 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69258 GHz	-44.53 dBm	-31.53 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98275 GHz	-43.73 dBm	-30.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.82279 GHz	-45.66 dBm	-32.66 dB

Date: 10 MAY 2015 09:35:34

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	778.31959 MHz	-47.61 dBm	-34.61 dB
860.000 MHz	1.000 GHz	1.000 MHz	865.38462 MHz	-43.19 dBm	-30.19 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.69308 GHz	-45.00 dBm	-32.00 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93376 GHz	-43.56 dBm	-30.56 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.99200 GHz	-45.71 dBm	-32.71 dB

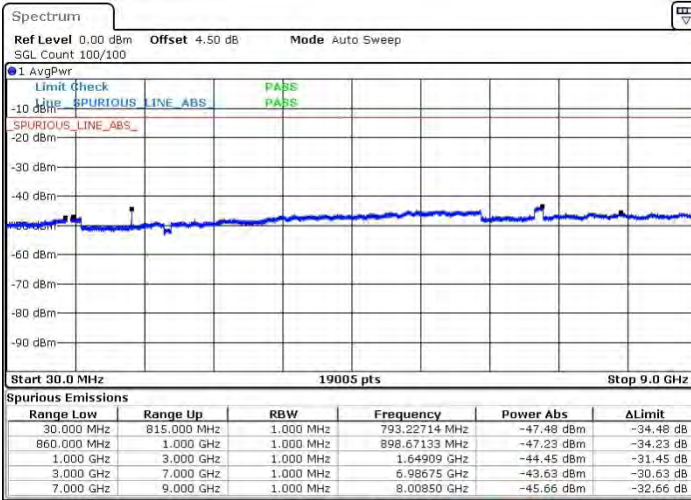
Date: 10 MAY 2015 09:36:52



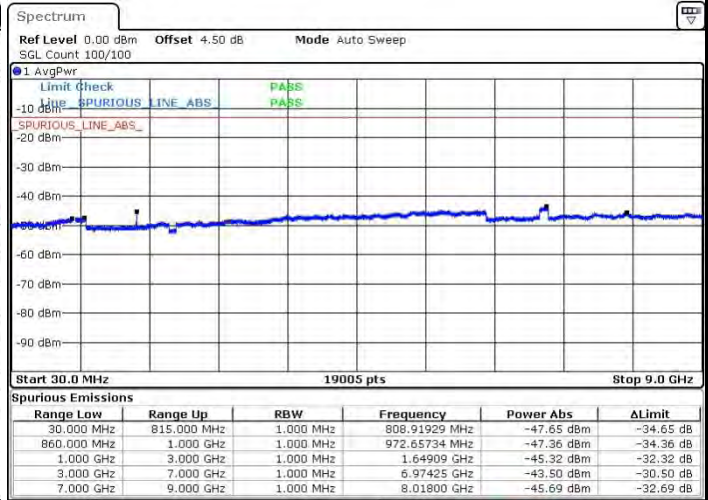
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



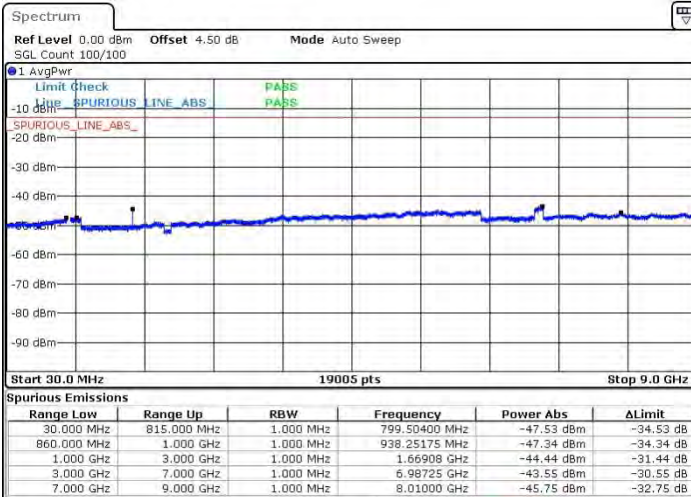
Date: 10 MAY 2015 09:38:54



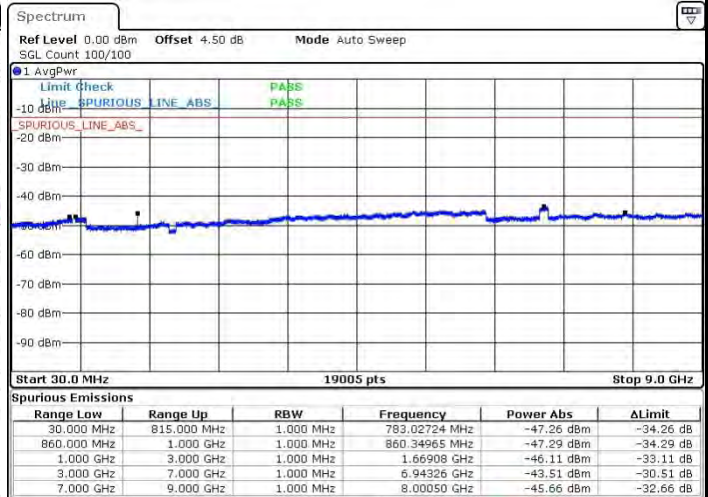
Date: 10 MAY 2015 09:40:11

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 10 MAY 2015 09:42:13



Date: 10 MAY 2015 09:43:31

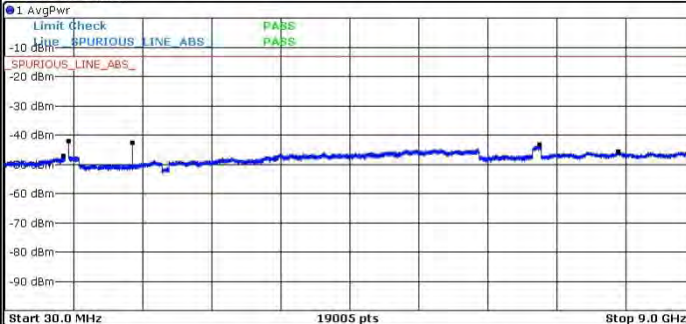


LTE Band 5 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM

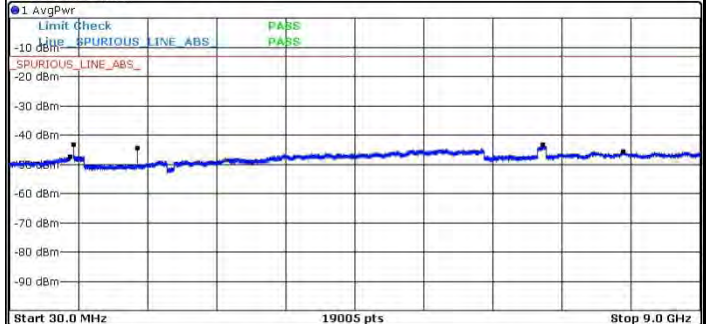
Spectrum

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

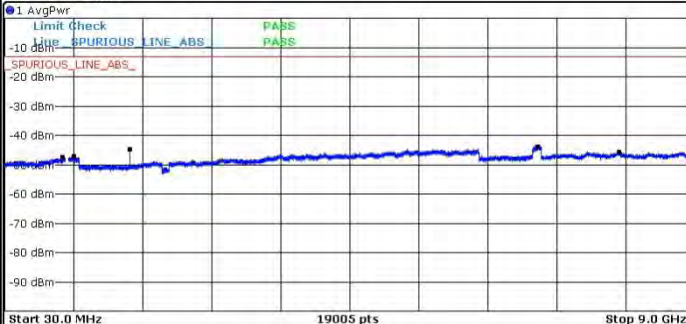
Date: 10 MAY 2015 09:46:50

LTE Band 5 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

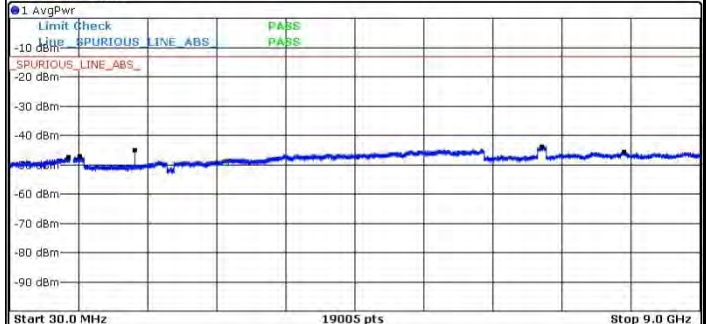
Spectrum

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

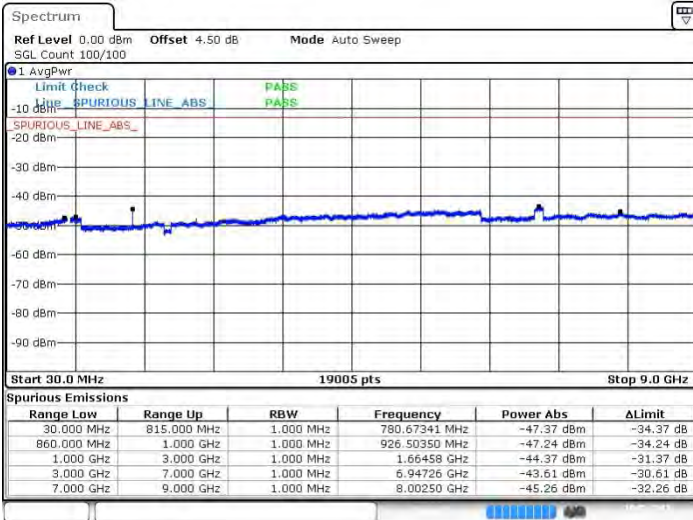
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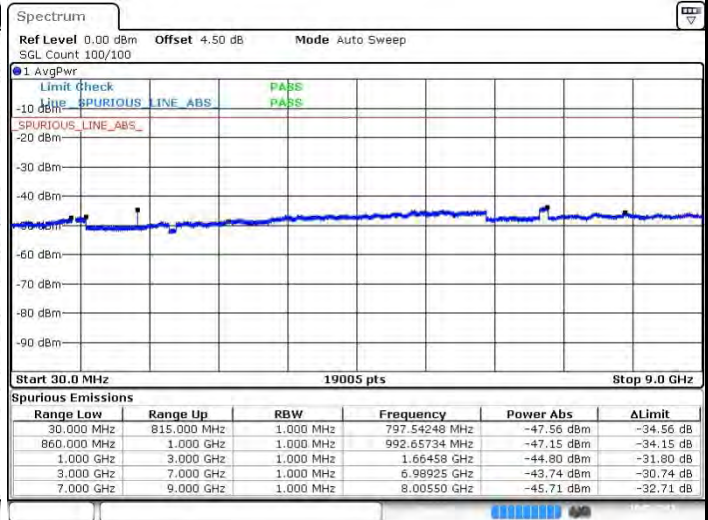
LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



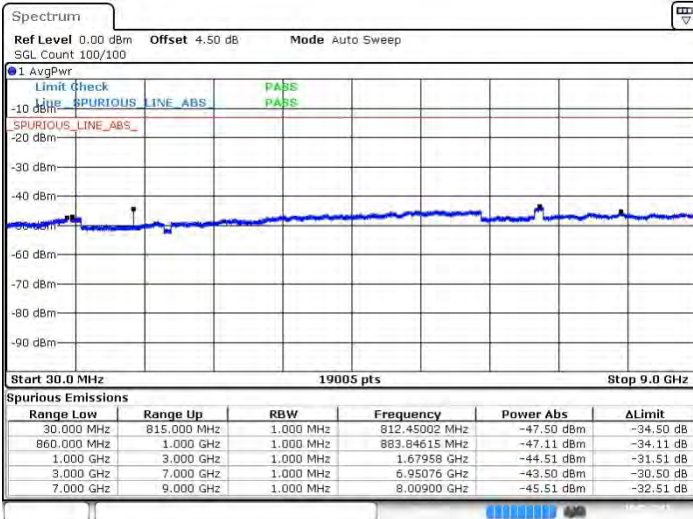
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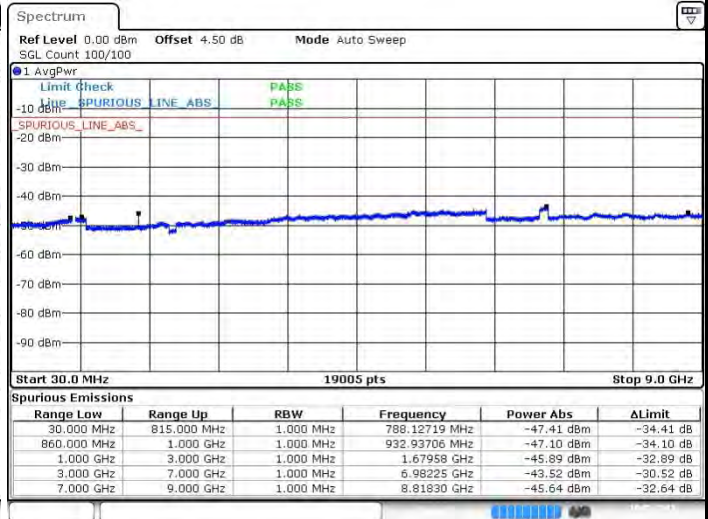
Date: 10 MAY 2015 09:53:28

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10 MAY 2015 09:55:30



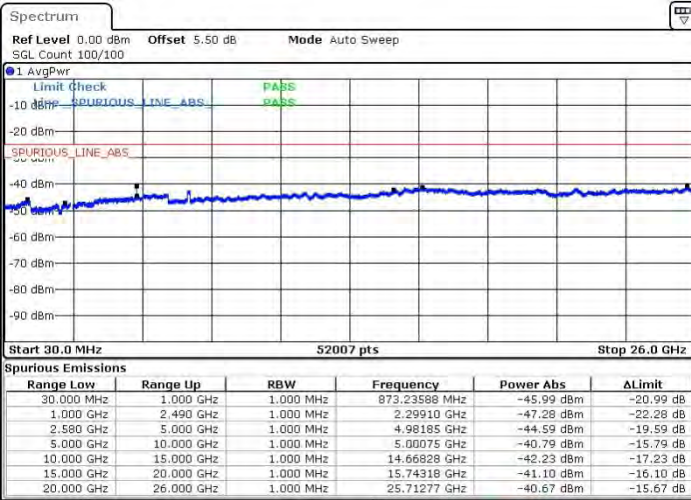
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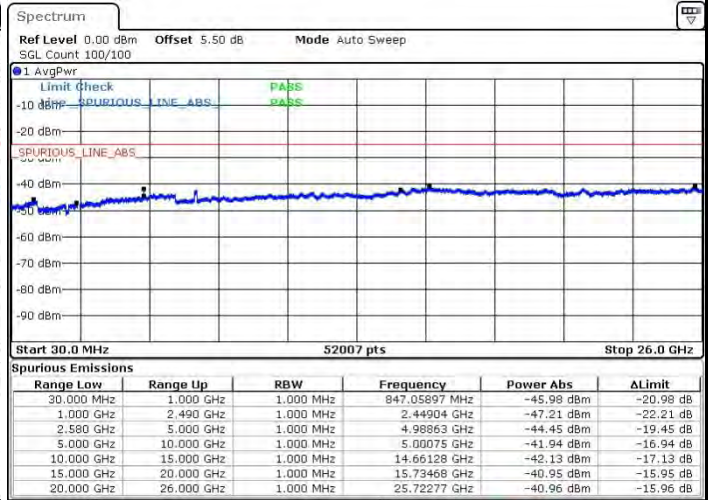
LTE Band 7 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



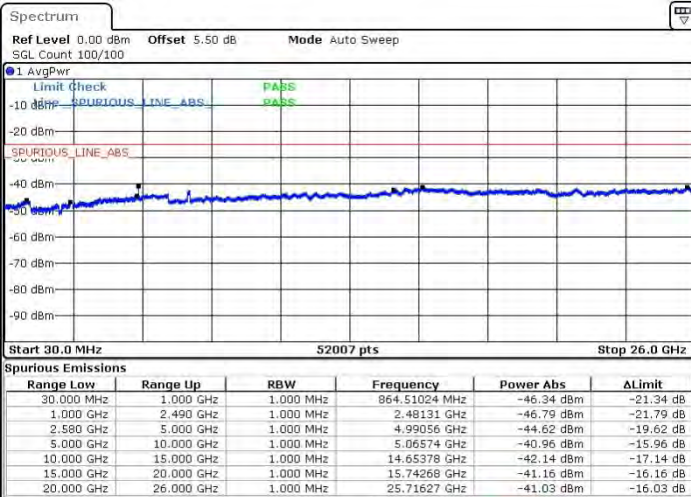
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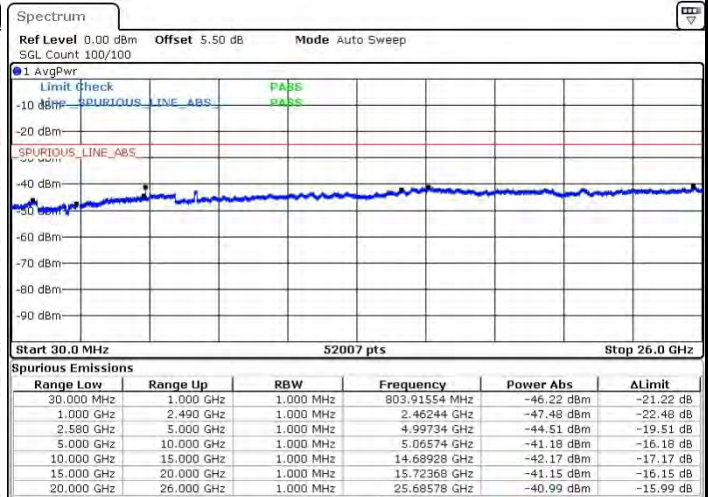
Date: 13.MAY.2015 22:01:09

Middle Channel / QPSK

Middle Channel / 16QAM



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



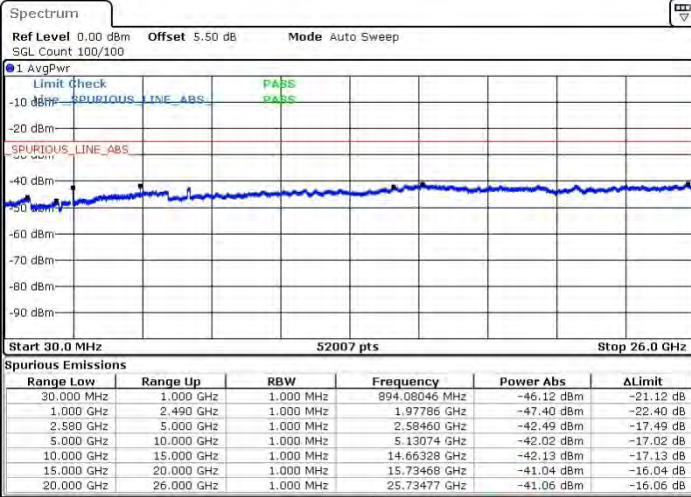
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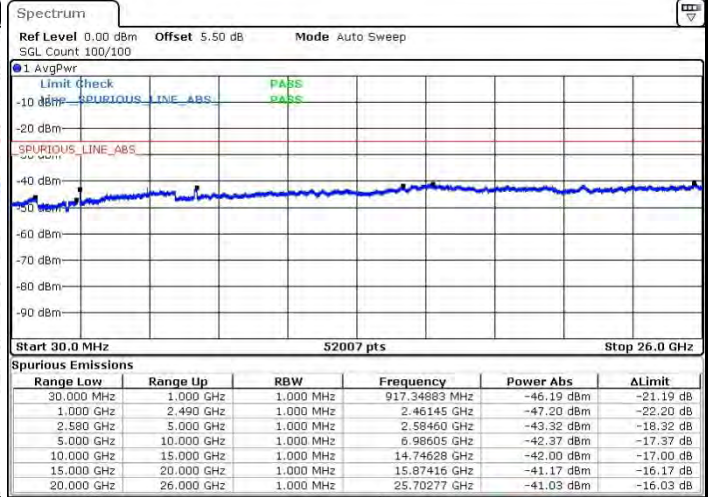
LTE Band 7 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



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

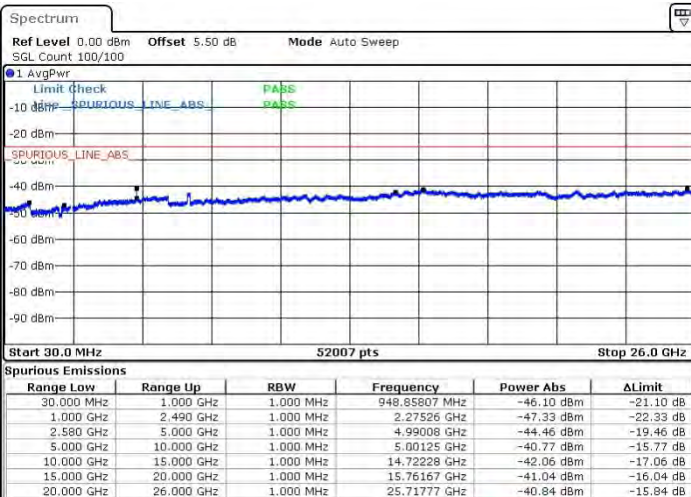


Date: 13.MAY.2015 22:07:50

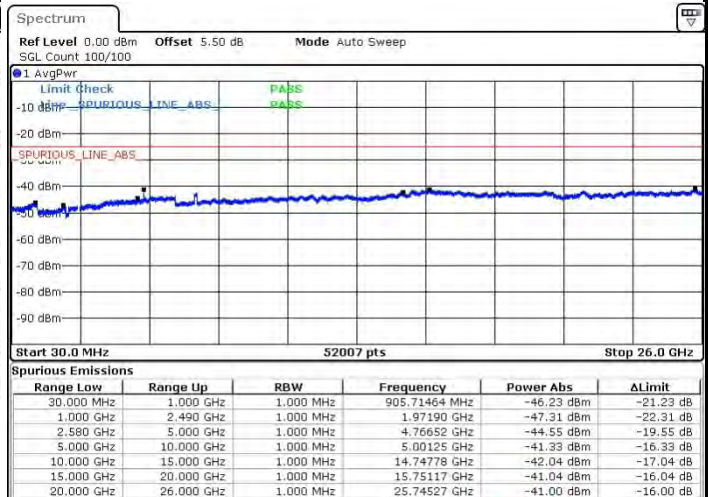
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



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



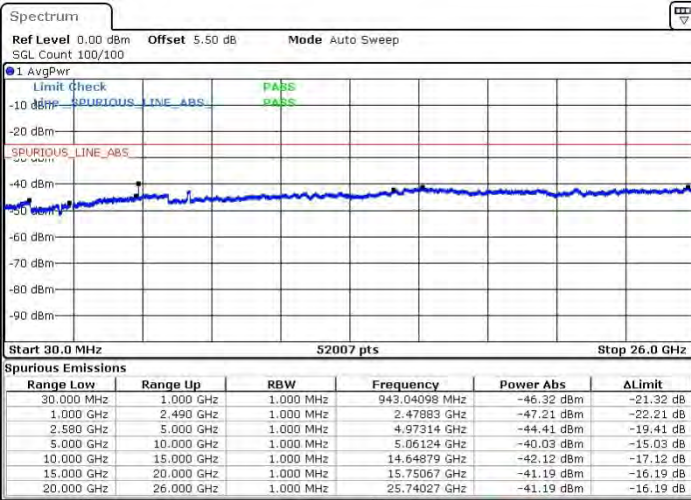
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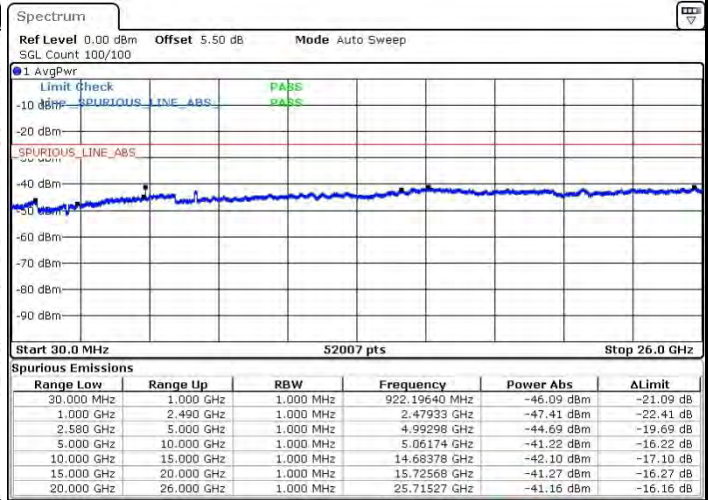
LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



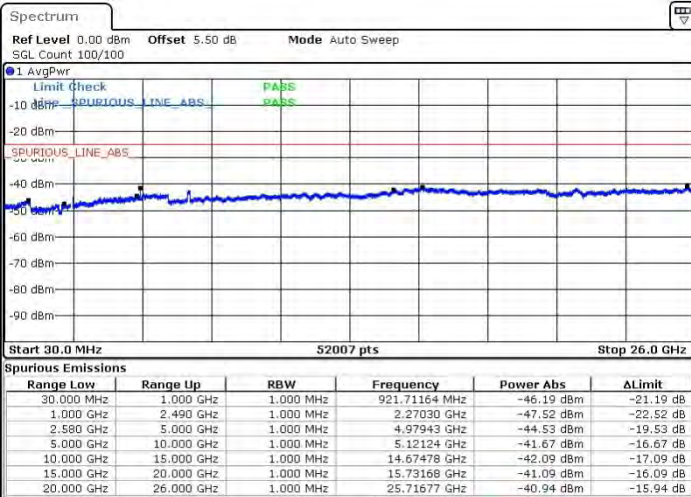
Date: 13.MAY.2015 22:13:13



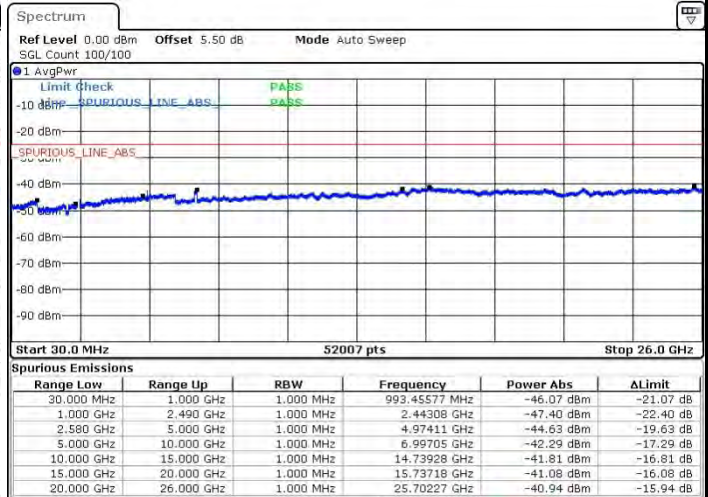
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Highest Channel / QPSK

Highest Channel / 16QAM



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



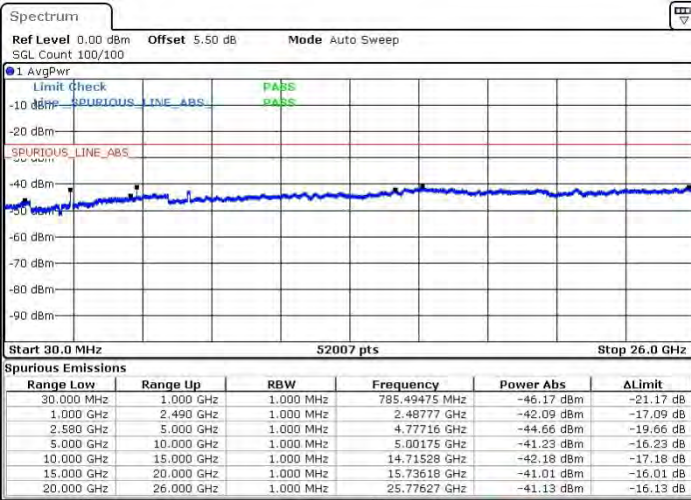
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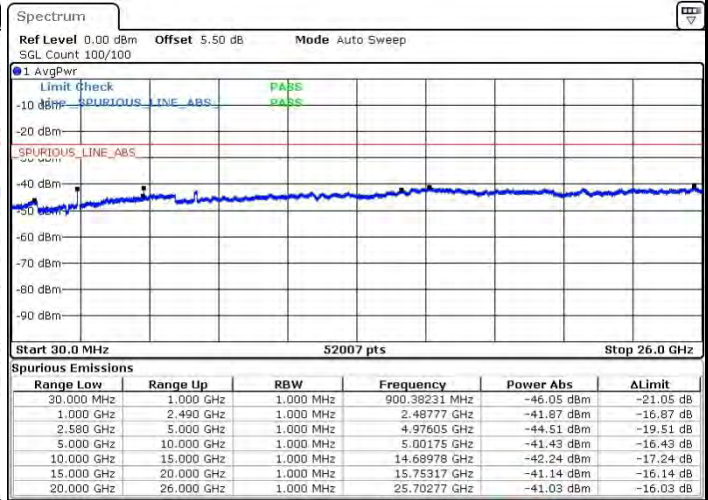
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



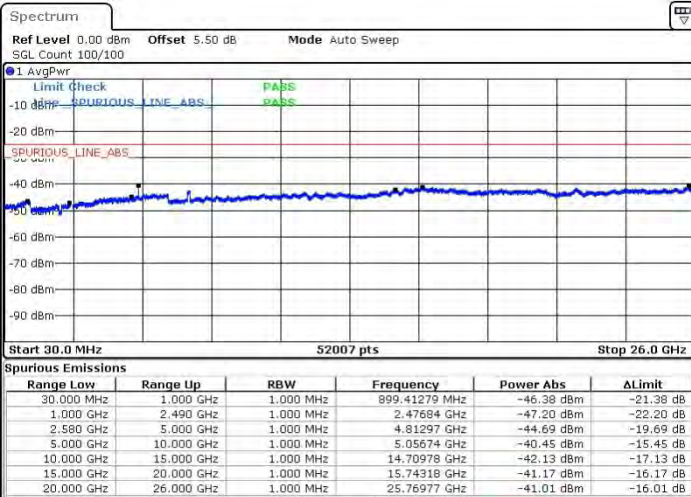
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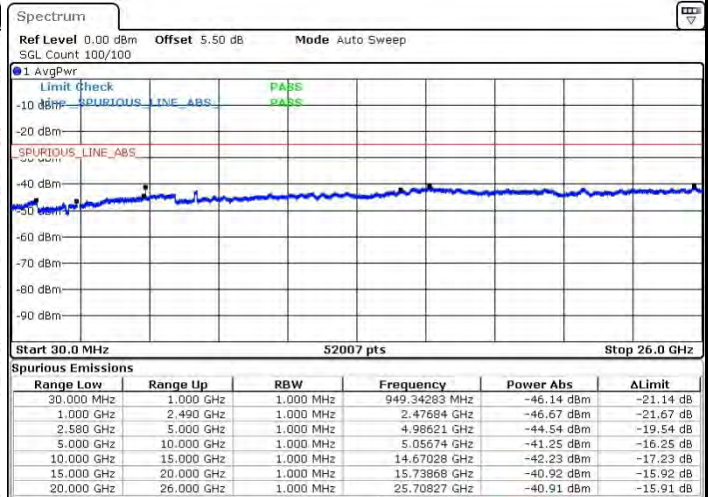
Date: 13.MAY.2015 22:21:12

Middle Channel / QPSK

Middle Channel / 16QAM



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



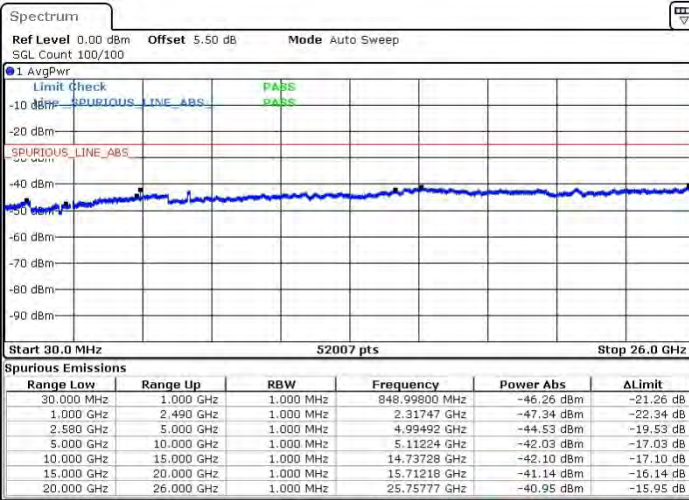
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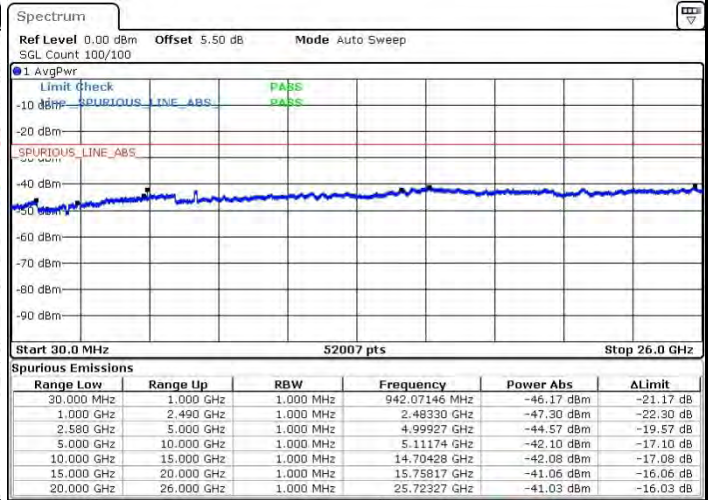
LTE Band 7 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



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

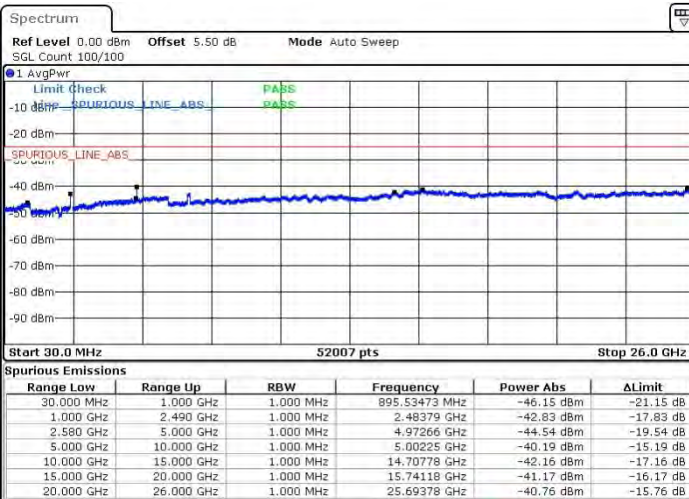


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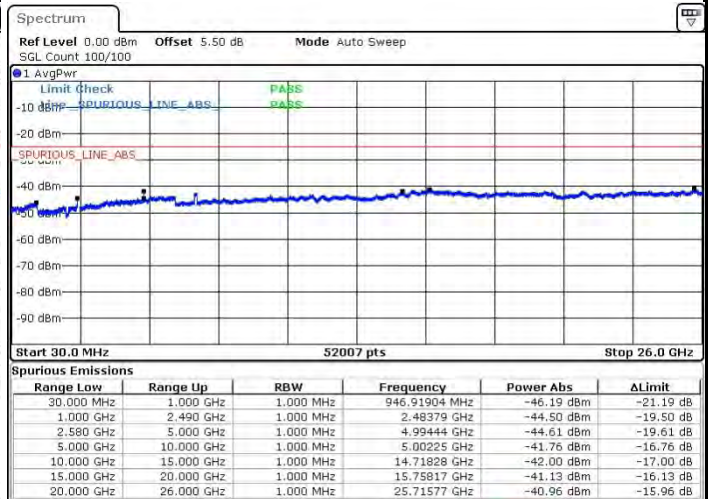
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



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



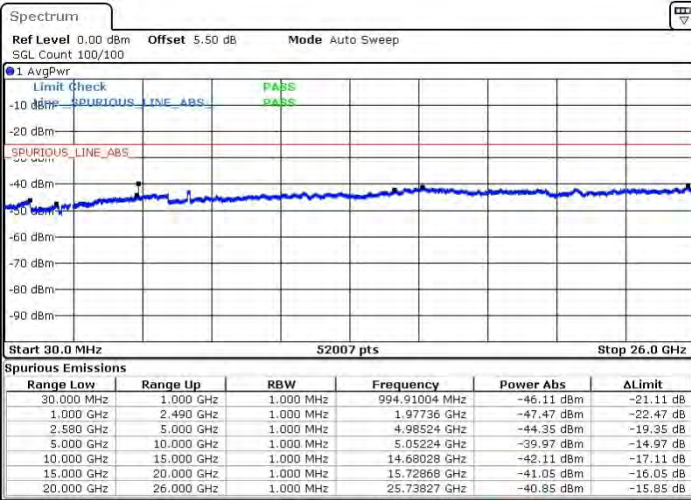
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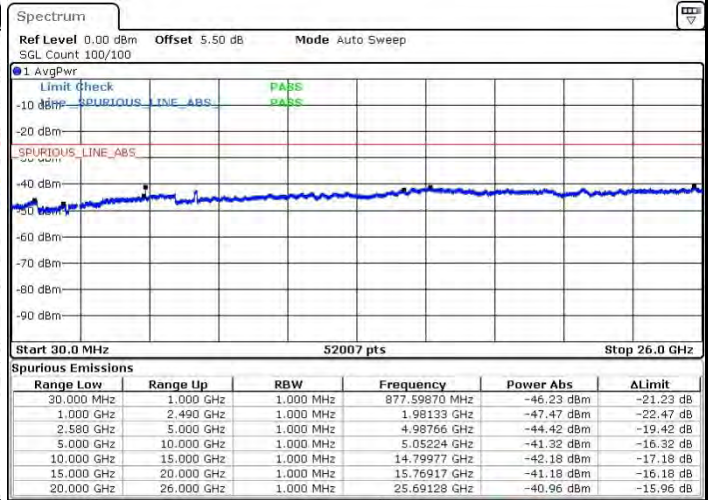
LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



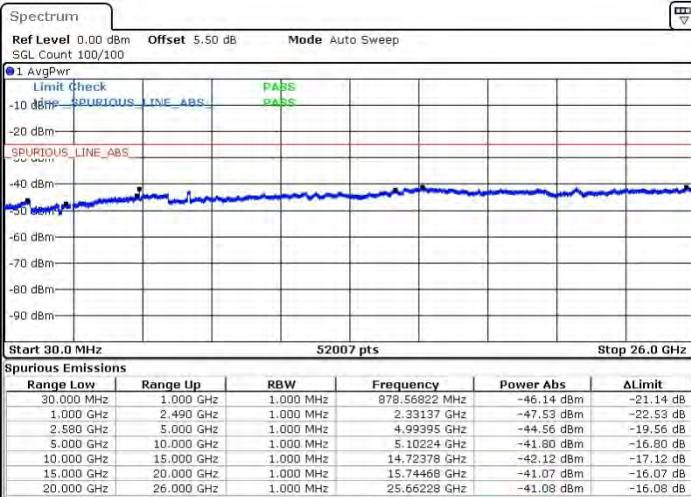
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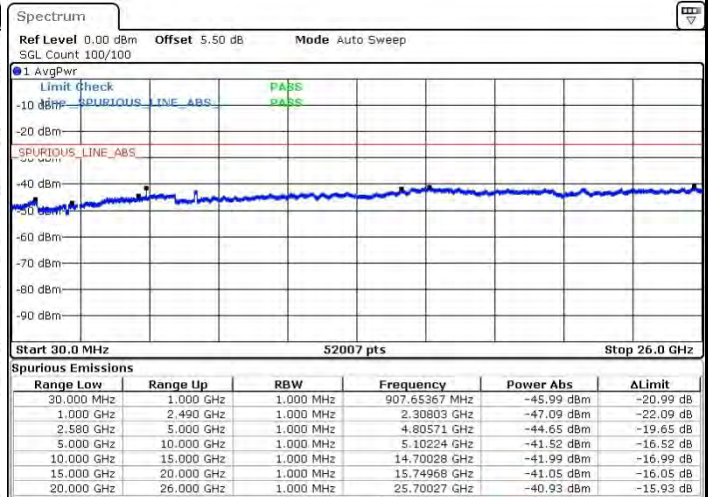
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Highest Channel / QPSK

Highest Channel / 16QAM



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

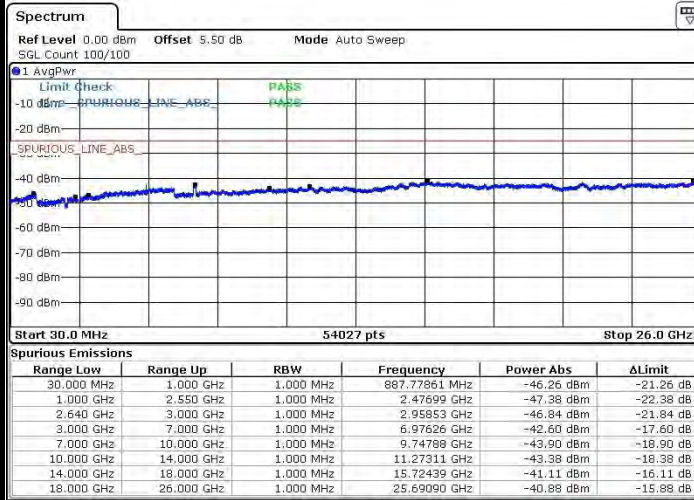


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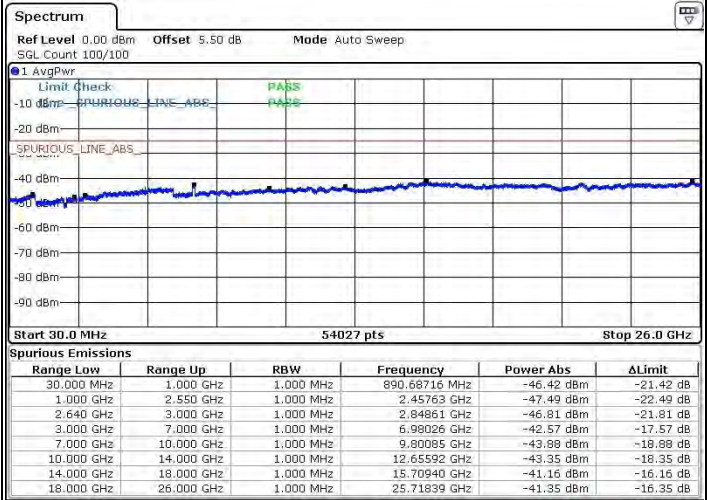
LTE Band 38 / 5MHz

Lowest Channel / QPSK



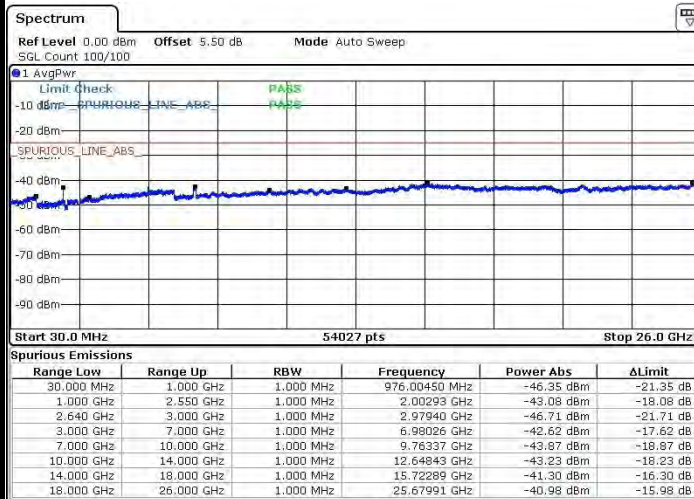
Date: 22 MAY 2015 17:22:02

Lowest Channel / 16QAM



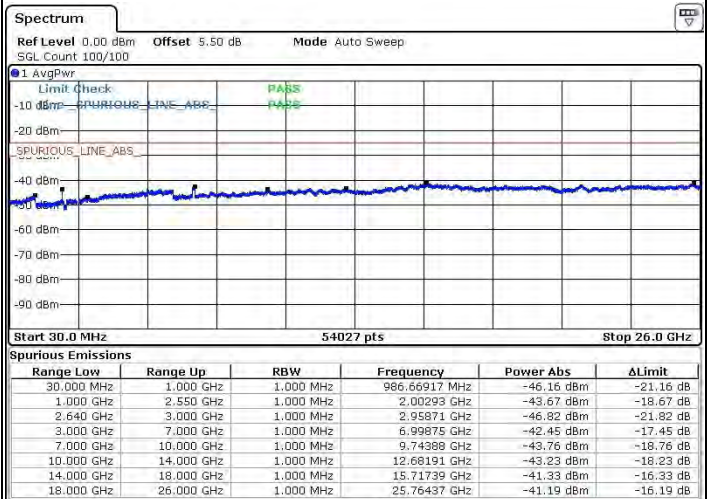
Date: 22 MAY 2015 17:23:23

Middle Channel / QPSK



Date: 22 MAY 2015 17:25:31

Middle Channel / 16QAM

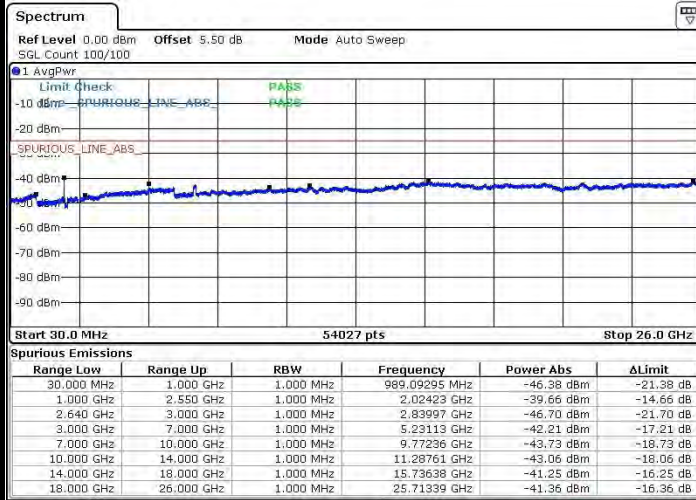


Date: 22 MAY 2015 17:24:27



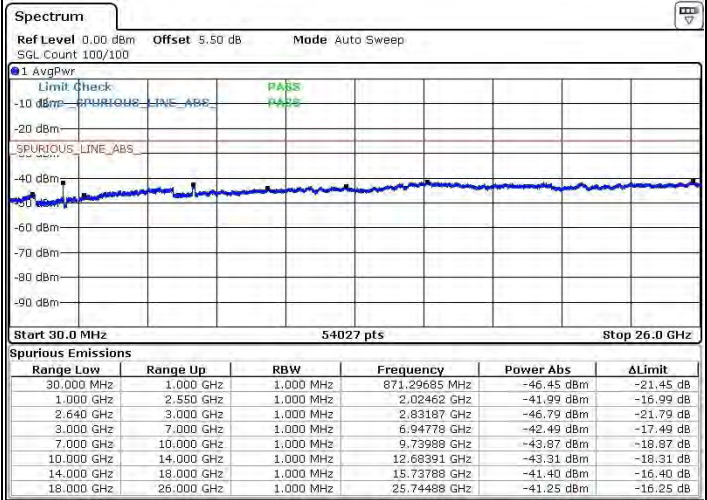
LTE Band 38 / 5MHz

Highest Channel / QPSK



Date: 22 MAY 2015 17:27:04

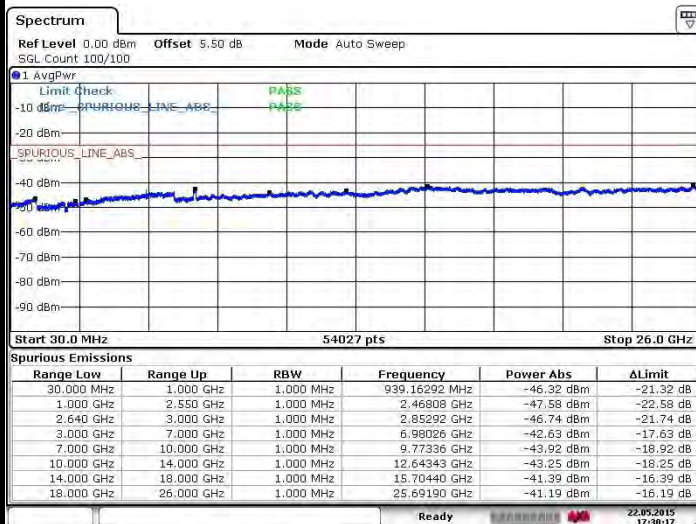
Highest Channel / 16QAM



Date: 22 MAY 2015 17:28:03

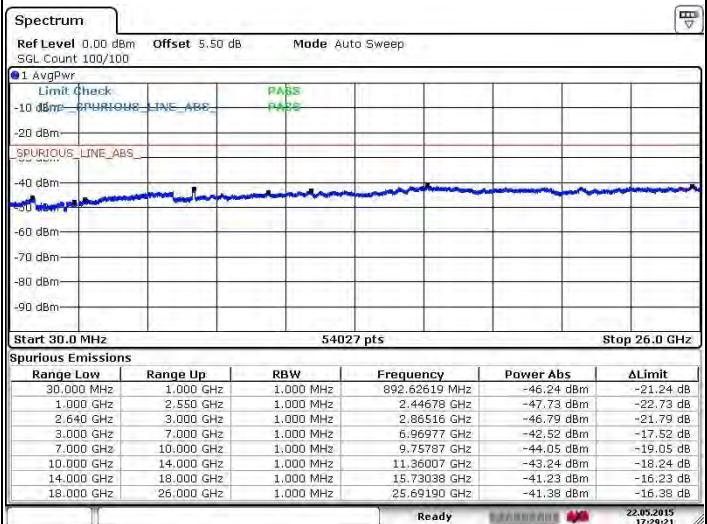
LTE Band 38 / 10MHz

Lowest Channel / QPSK



Date: 22 MAY 2015 17:30:16

Lowest Channel / 16QAM

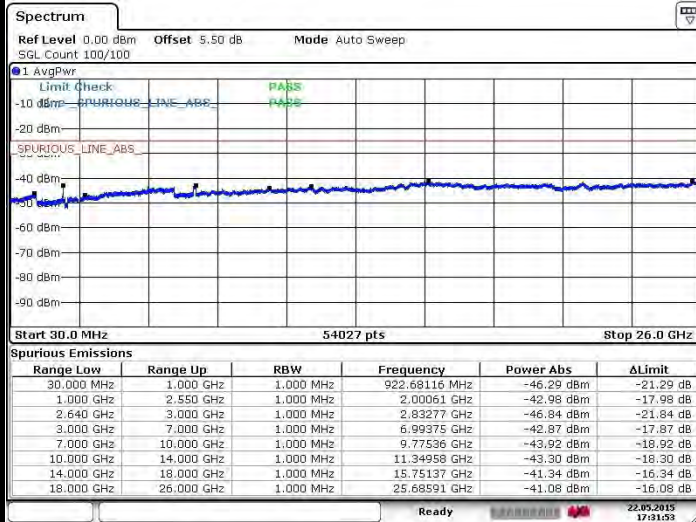


Date: 22 MAY 2015 17:29:21



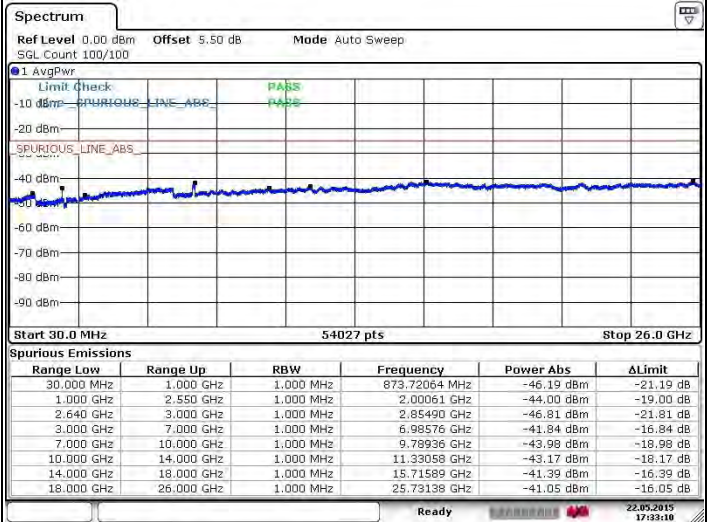
LTE Band 38 / 10MHz

Middle Channel / QPSK



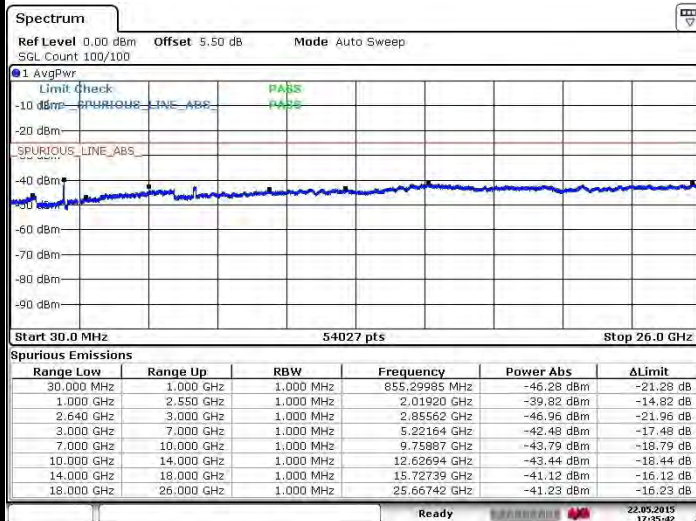
Date: 22 MAY 2015 17:31:53

Middle Channel / 16QAM



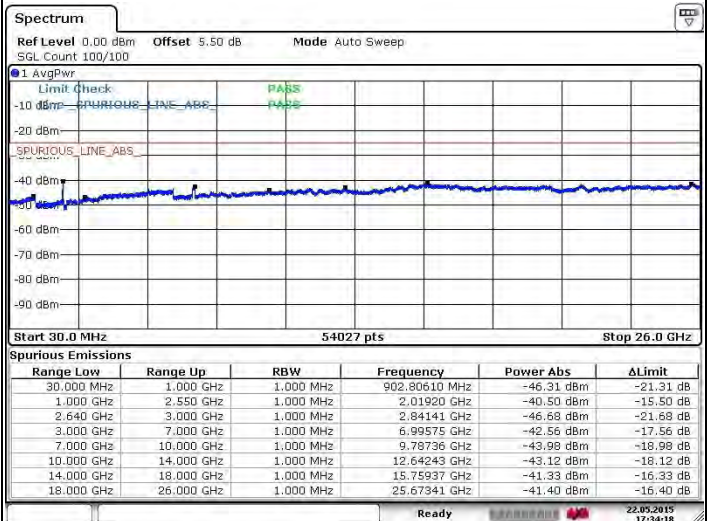
Date: 22 MAY 2015 17:33:09

Highest Channel / QPSK



Date: 22 MAY 2015 17:35:42

Highest Channel / 16QAM

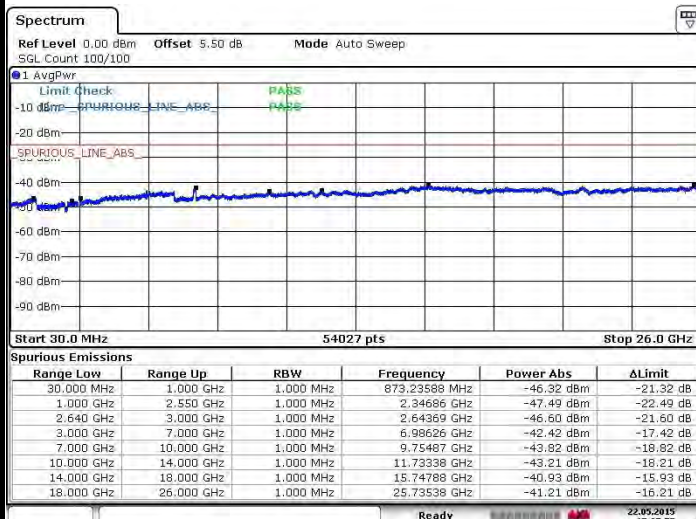


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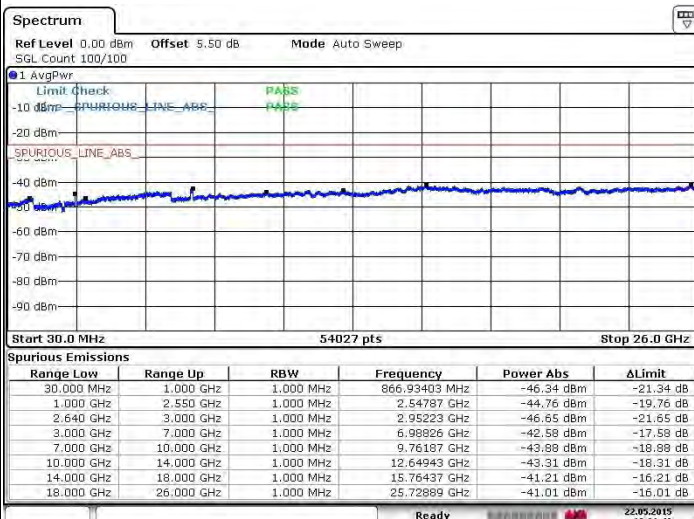
LTE Band 38 / 15MHz

Lowest Channel / QPSK



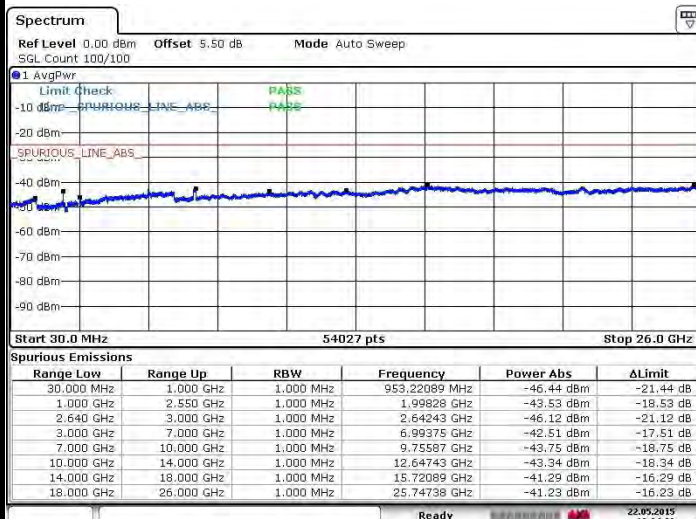
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Lowest Channel / 16QAM



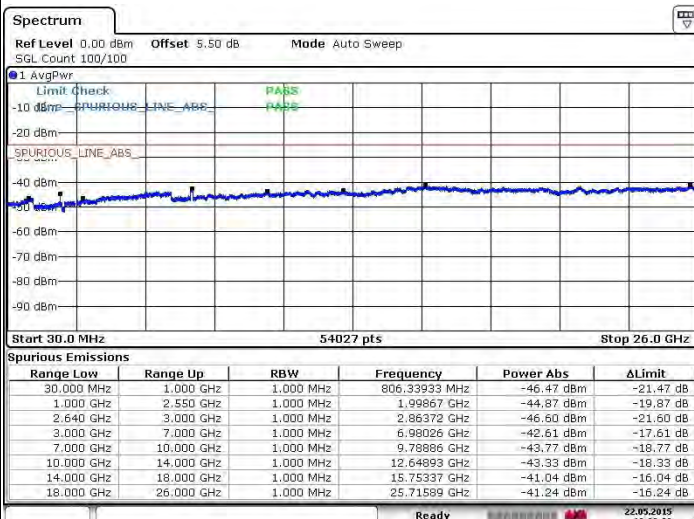
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Middle Channel / QPSK



Date: 22 MAY 2015 18:04:08

Middle Channel / 16QAM

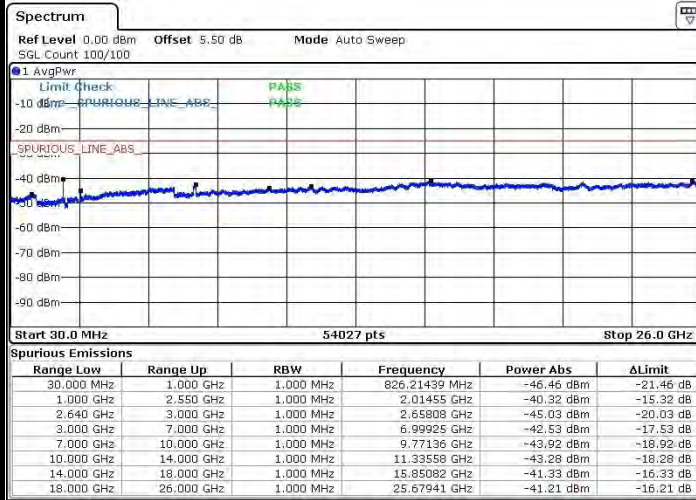


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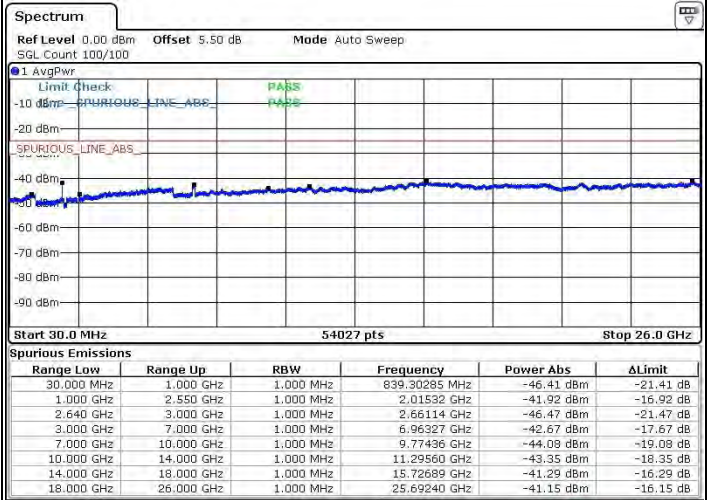
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 22 MAY 2015 18:05:02

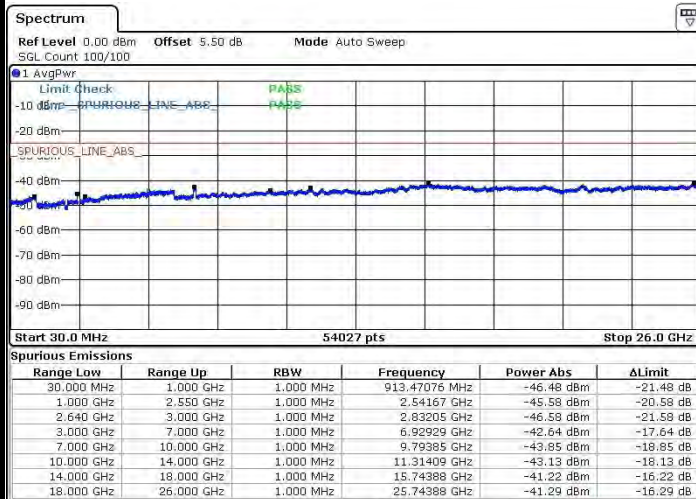
Highest Channel / 16QAM



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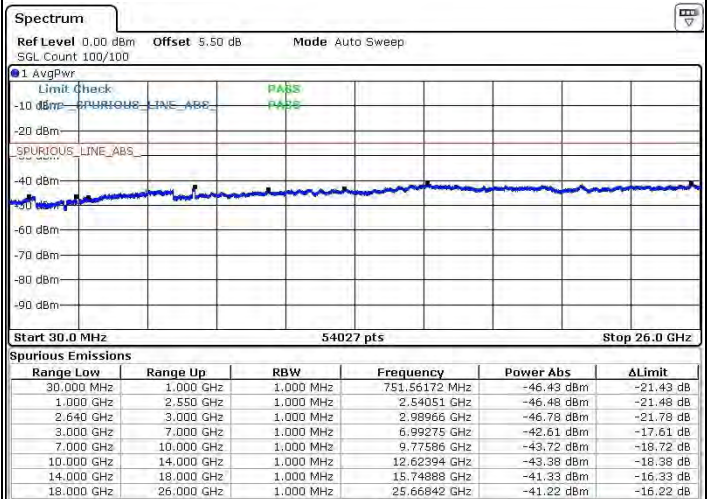
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 22 MAY 2015 18:12:03

Lowest Channel / 16QAM

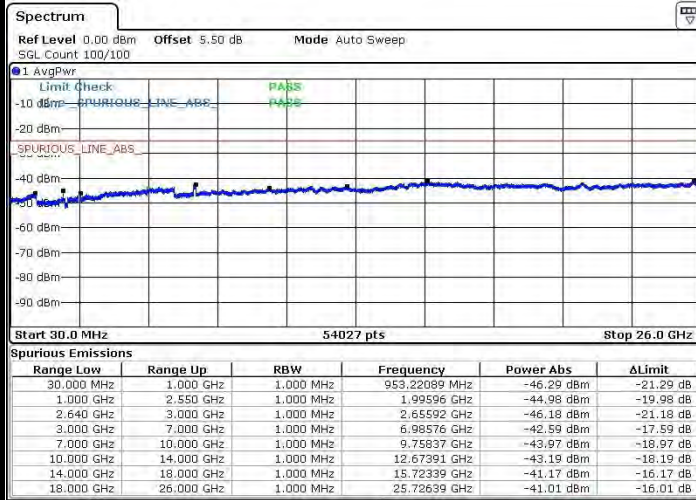


Date: 22 MAY 2015 18:08:32



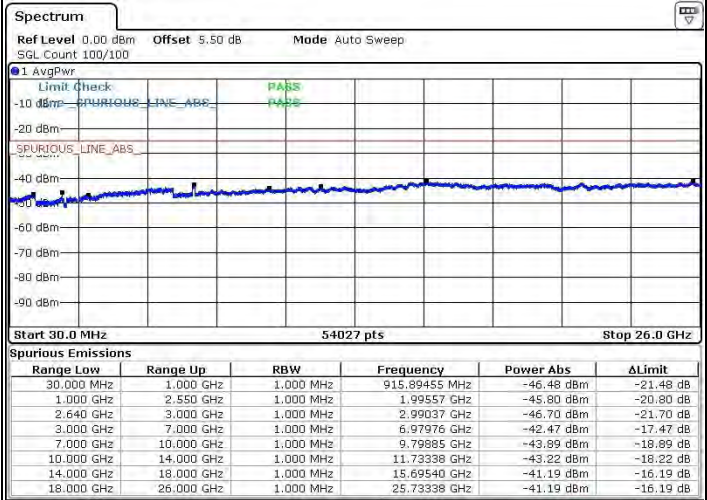
LTE Band 38 / 20MHz

Middle Channel / QPSK



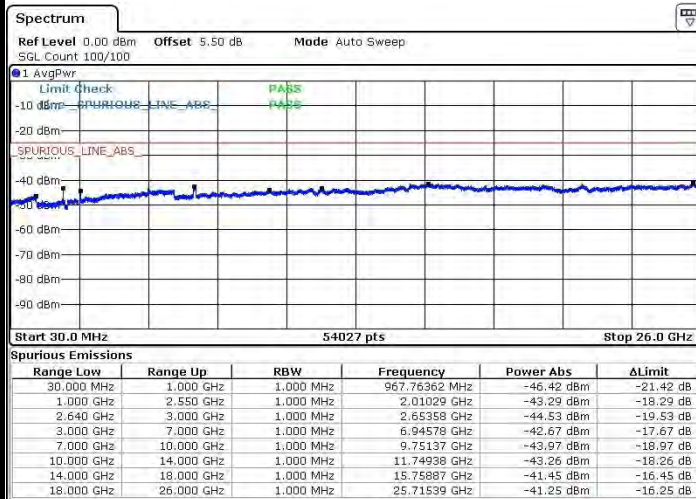
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Middle Channel / 16QAM



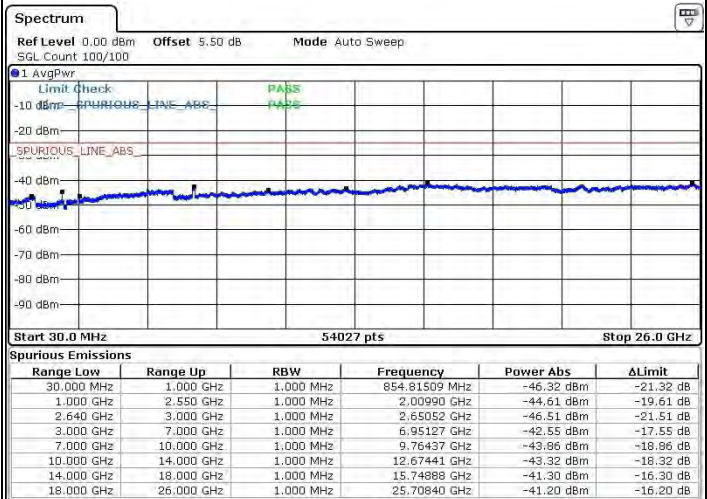
Date: 22 MAY 2015 18:16:25

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 (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (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 (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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 (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (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.