



LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



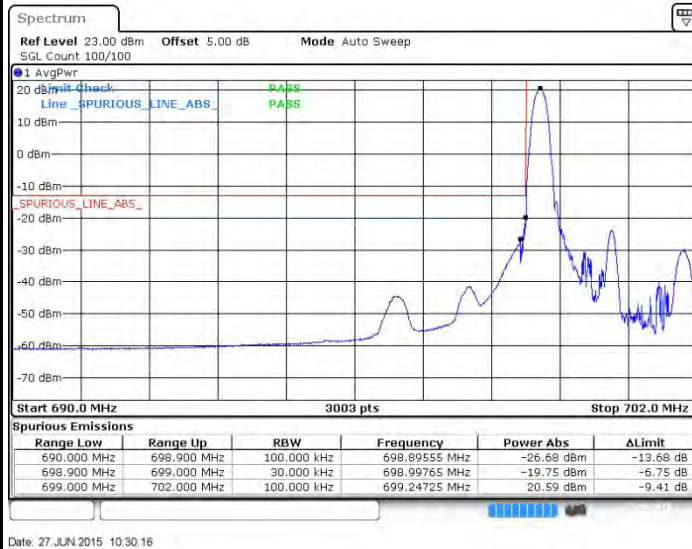
Highest Band Edge / Full RB



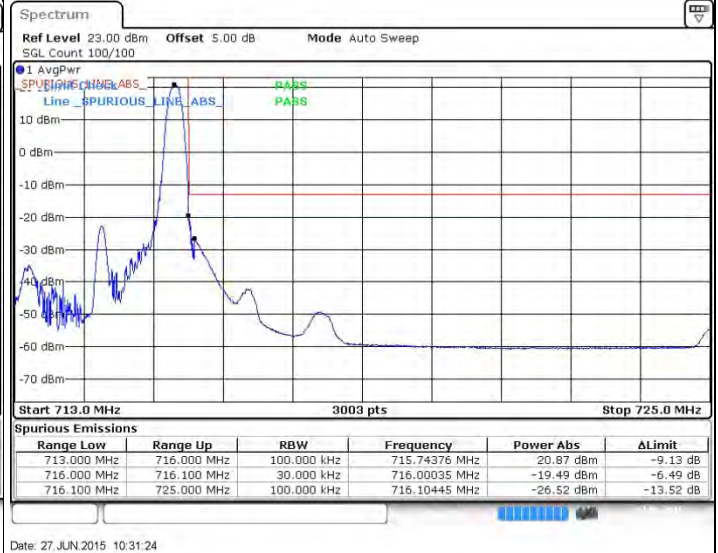


LTE Band 12 / 3MHz / QPSK

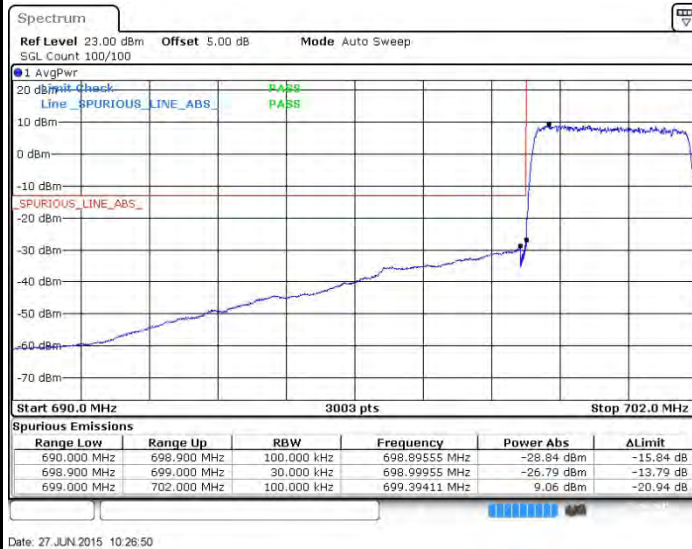
Lowest Band Edge / 1RB



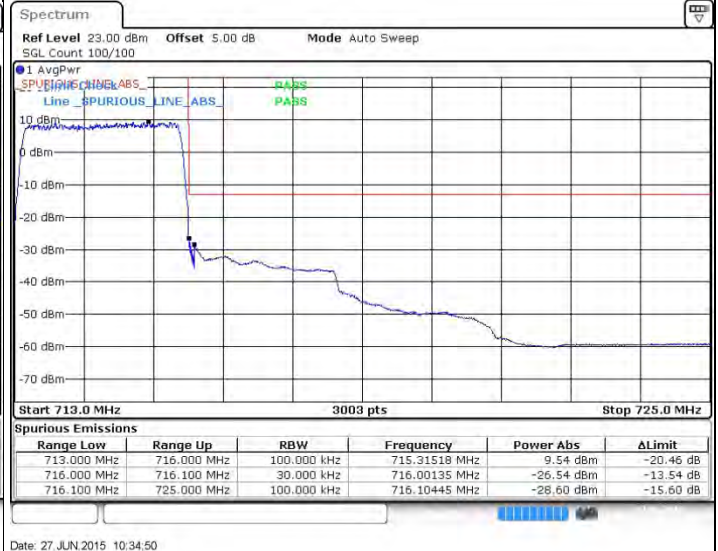
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

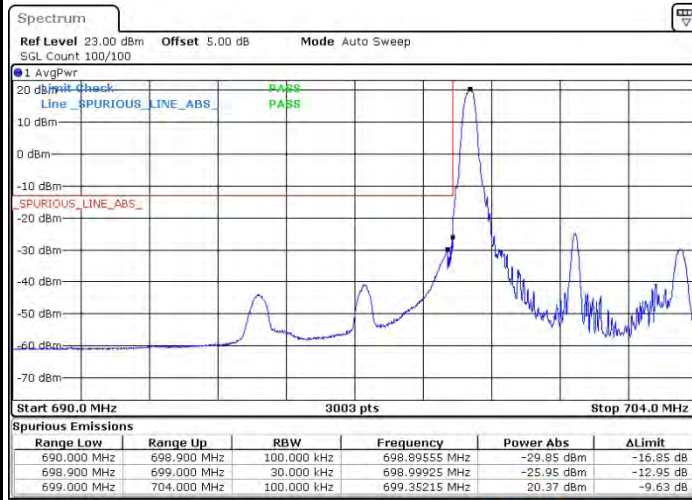
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



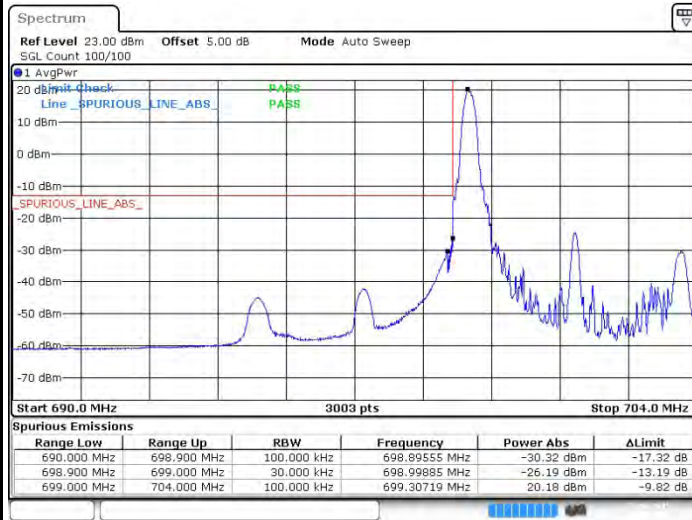
Highest Band Edge / Full RB





LTE Band 12 / 5MHz / 16QAM

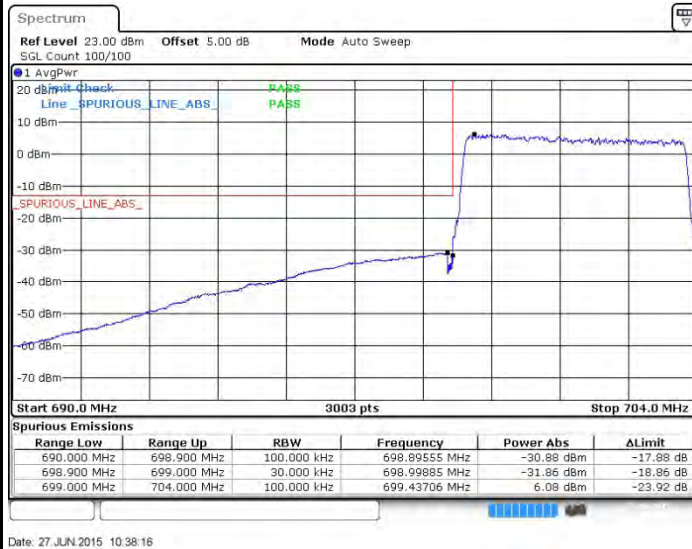
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



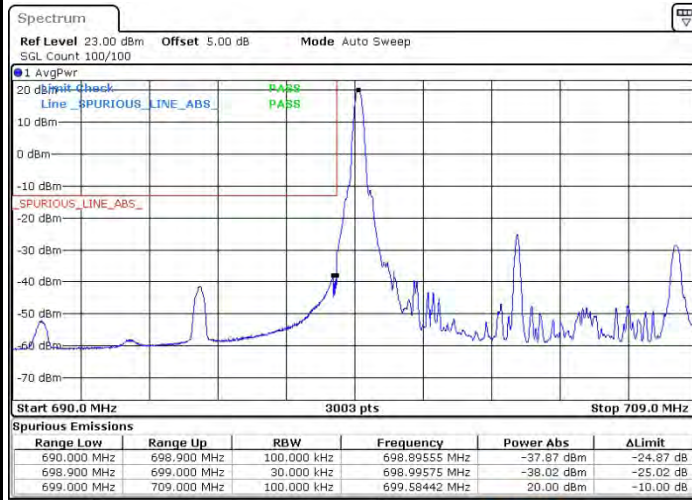
Highest Band Edge / Full RB



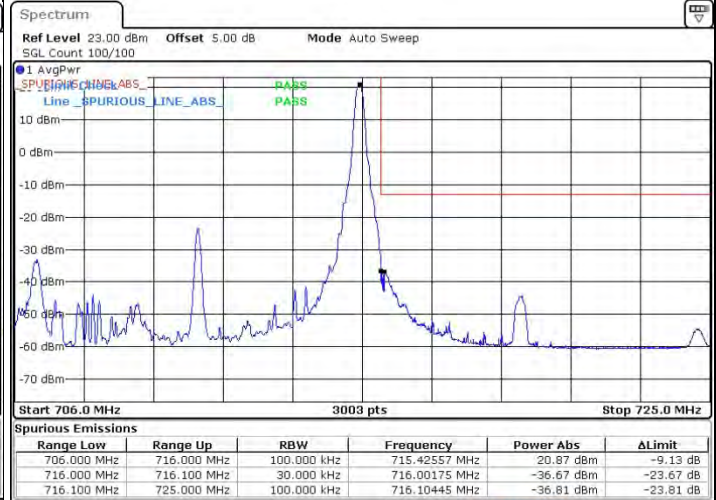


LTE Band 12 / 10MHz / QPSK

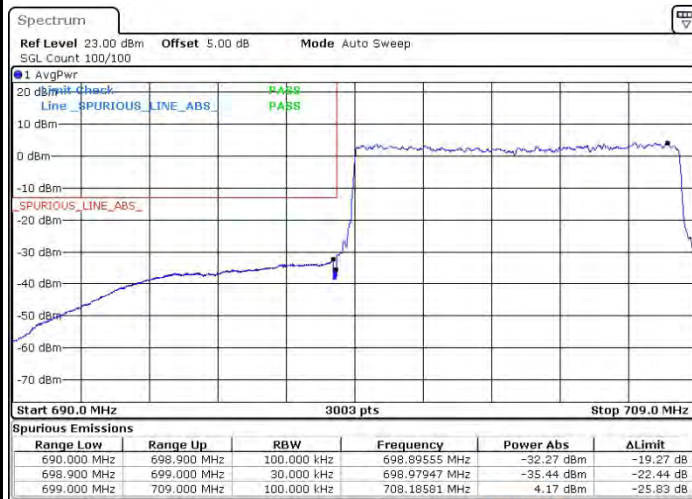
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



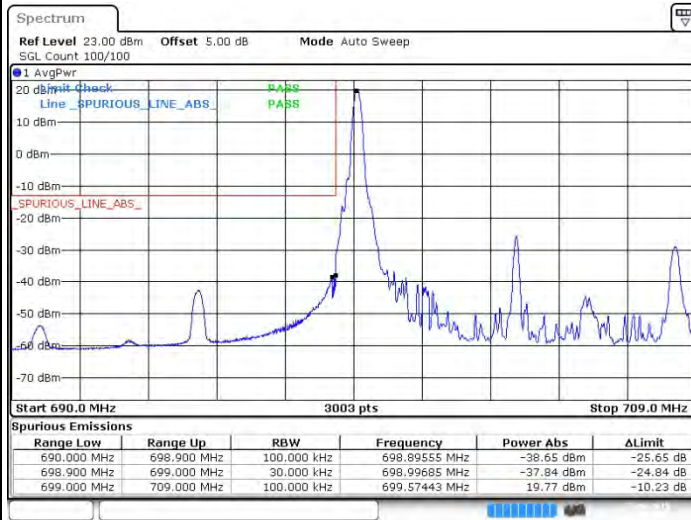
Highest Band Edge / Full RB



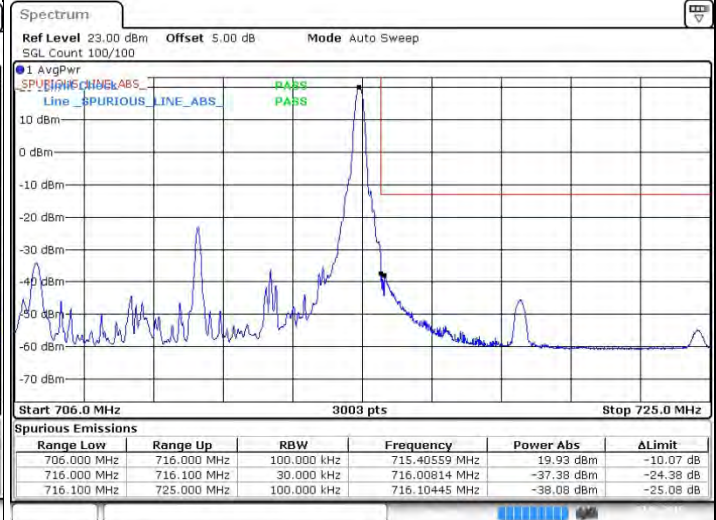


LTE Band 12 / 10MHz / 16QAM

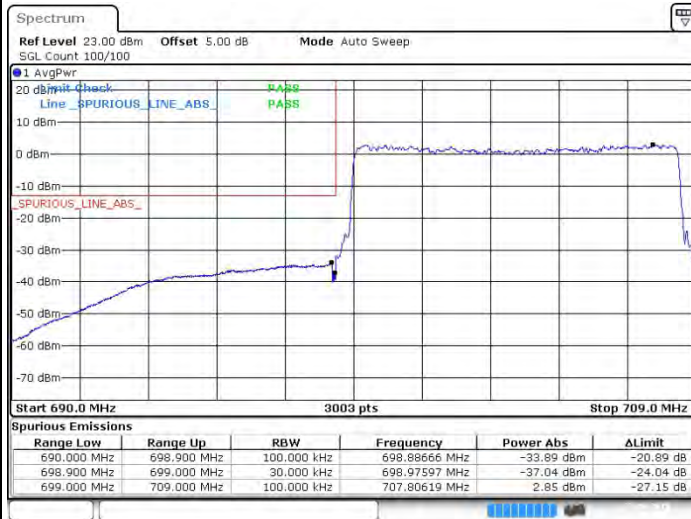
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



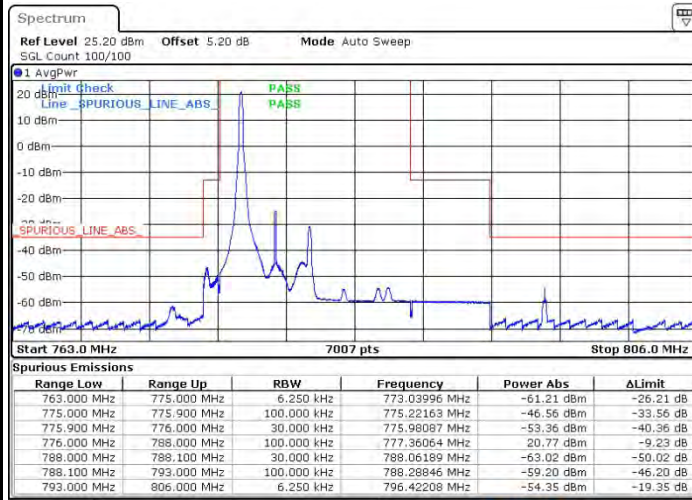
Highest Band Edge / Full RB





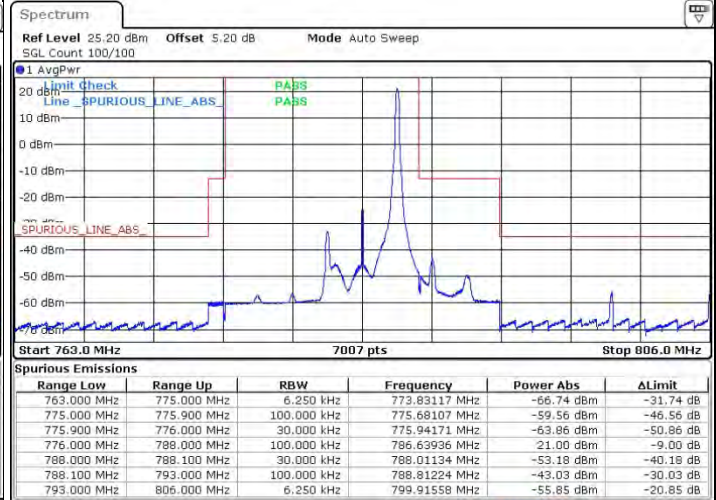
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



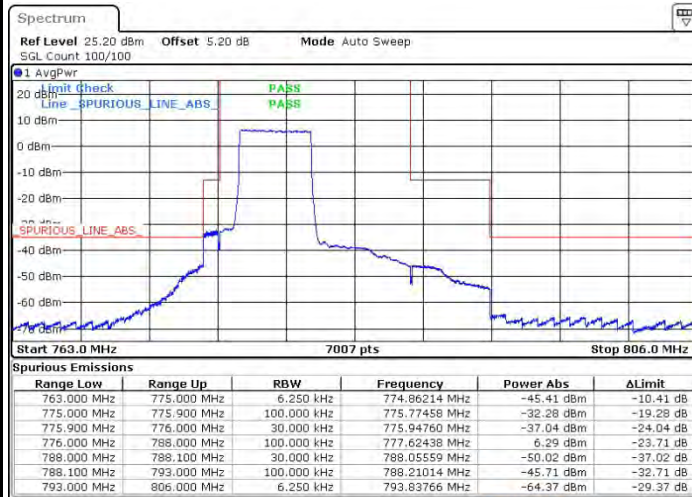
Date: 27 JUN 2015 19:45:35

Highest Band Edge / 1 RB



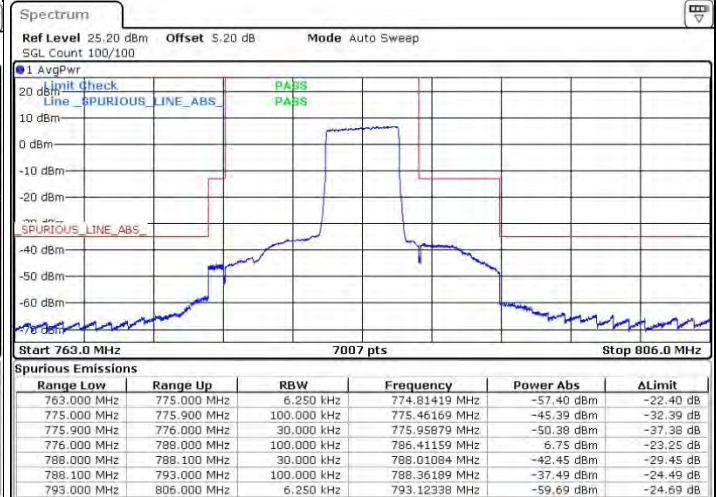
Date: 27 JUN 2015 19:56:27

Lowest Band Edge / Full RB



Date: 27 JUN 2015 19:44:26

Highest Band Edge / Full RB

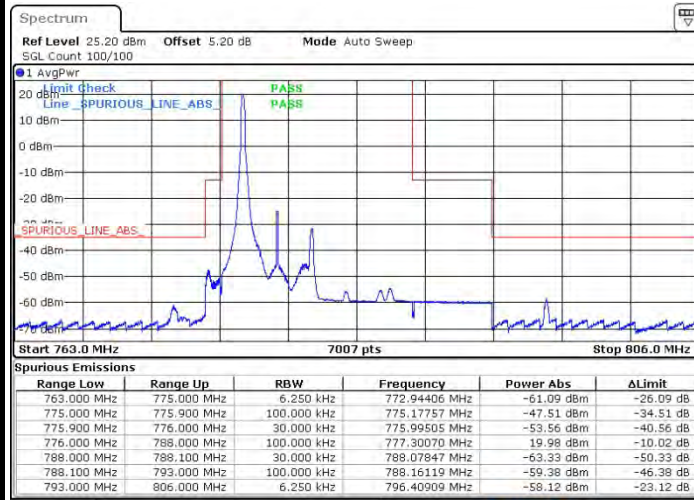


Date: 27 JUN 2015 19:55:18



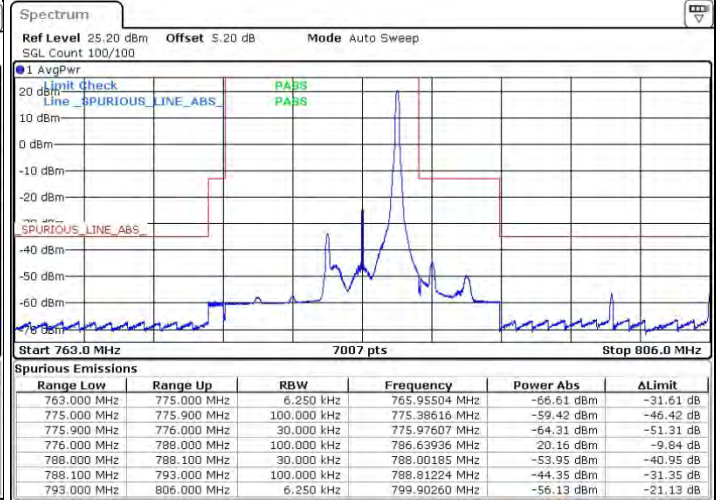
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge /1 RB



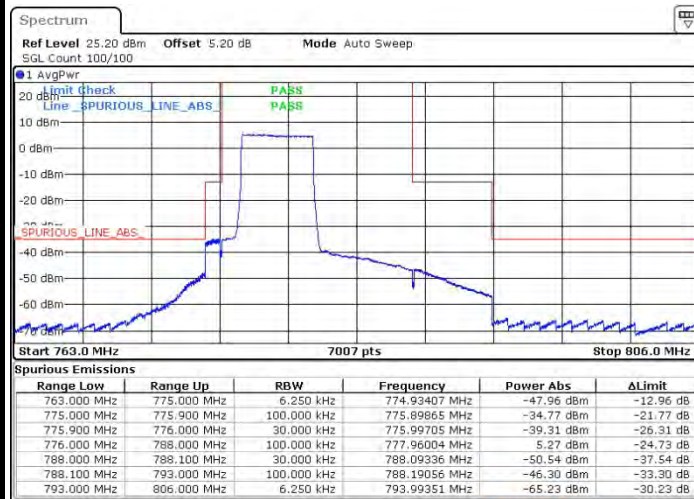
Date: 27 JUN 2015 19:46:44

Highest Band Edge / 1 RB



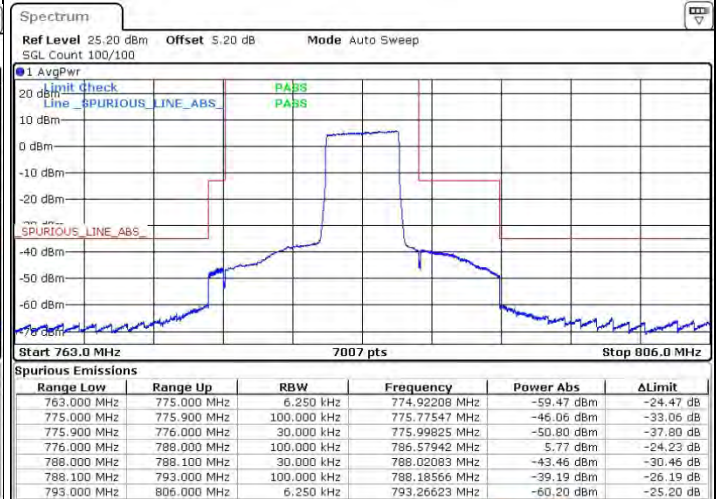
Date: 27 JUN 2015 19:57:36

Lowest Band Edge / Full RB



Date: 27 JUN 2015 19:43:17

Highest Band Edge / Full RB

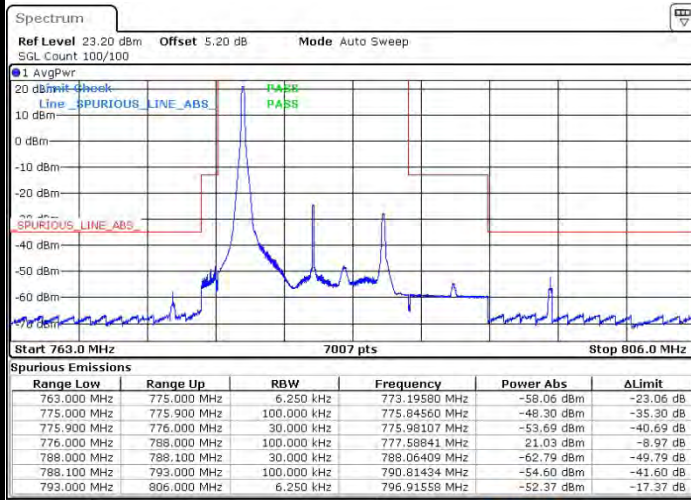


Date: 27 JUN 2015 19:54:09



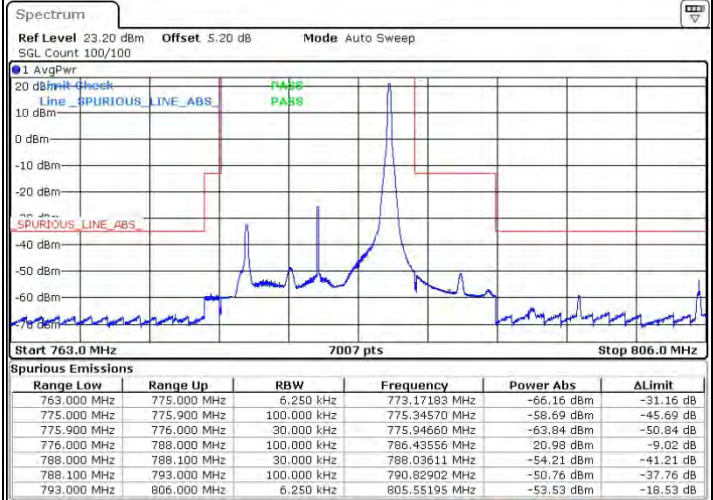
LTE Band 13 / 10MHz / QPSK

Lowest Band Edge / 1 RB



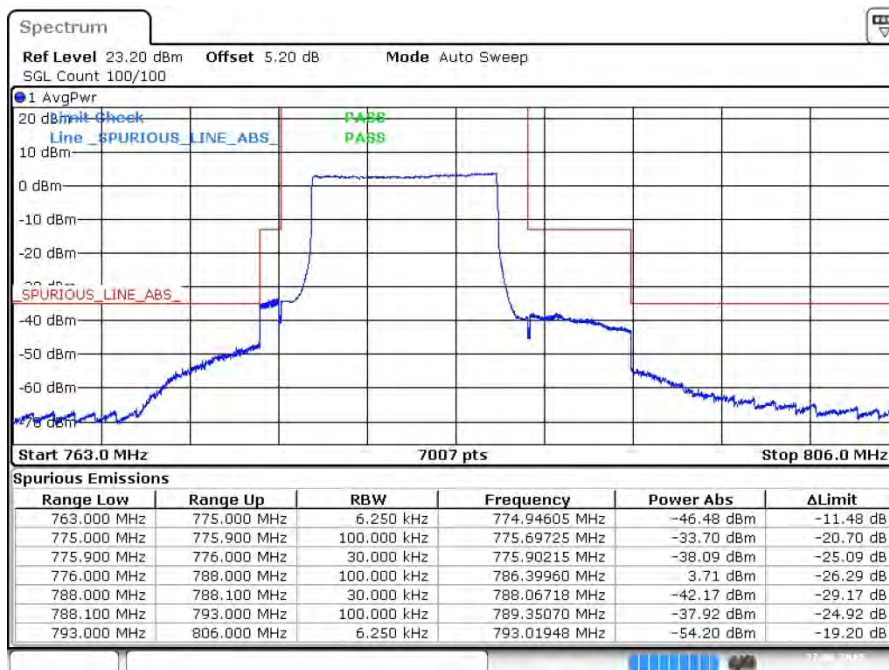
Date: 27 JUN 2015 20:05:23

Highest Band Edge / 1 RB



Date: 27 JUN 2015 20:09:59

Band Edge / Full RB

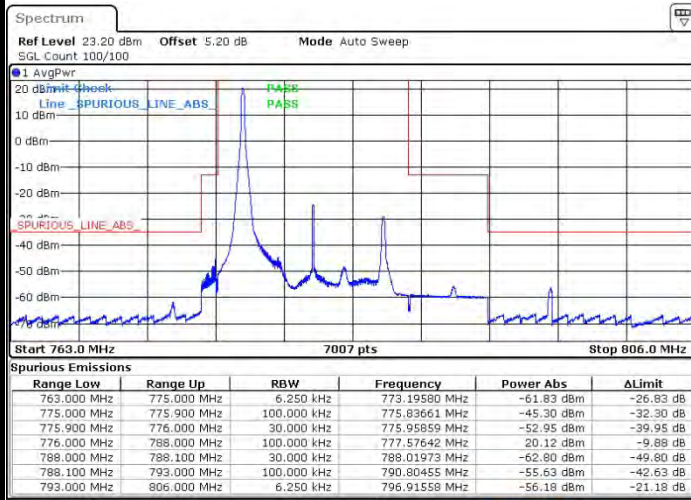


Date: 27 JUN 2015 20:06:32

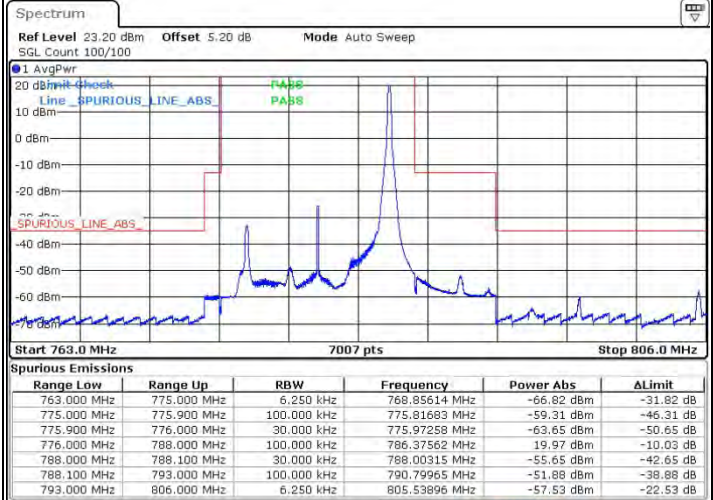


LTE Band 13 / 10MHz / 16QAM

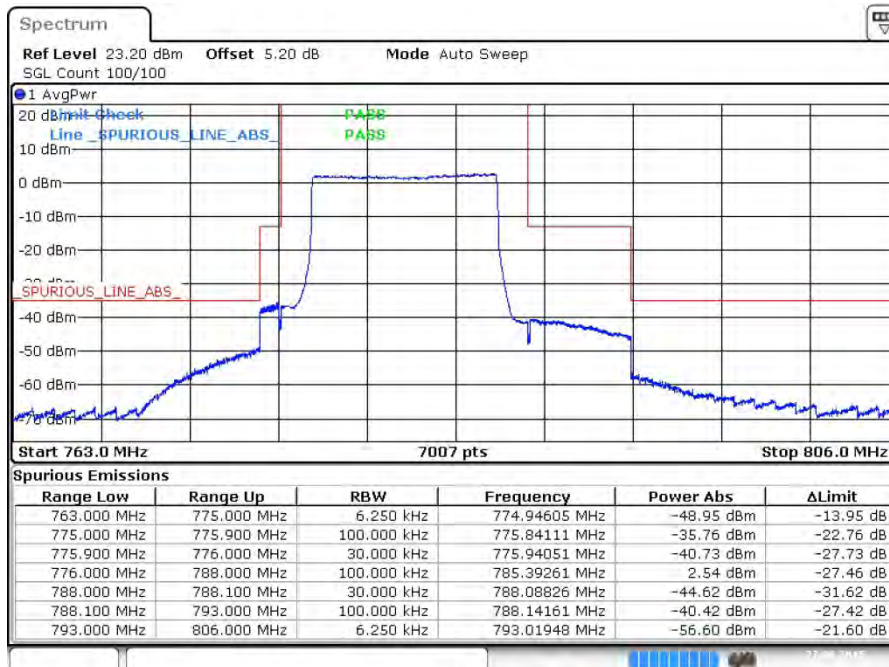
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Band Edge / Full RB

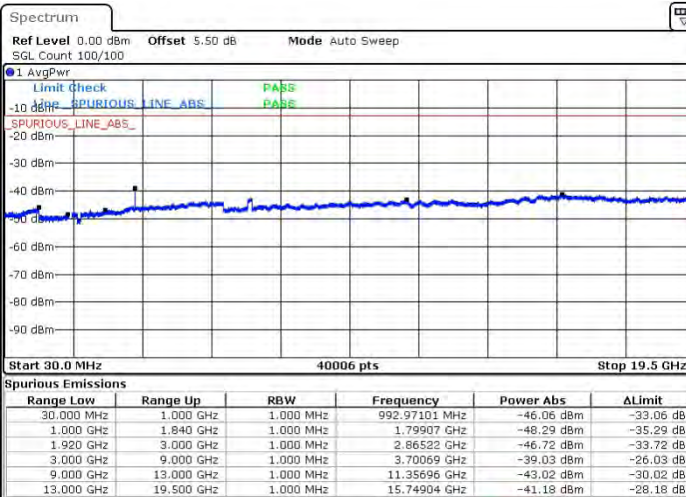




Conducted Spurious Emission

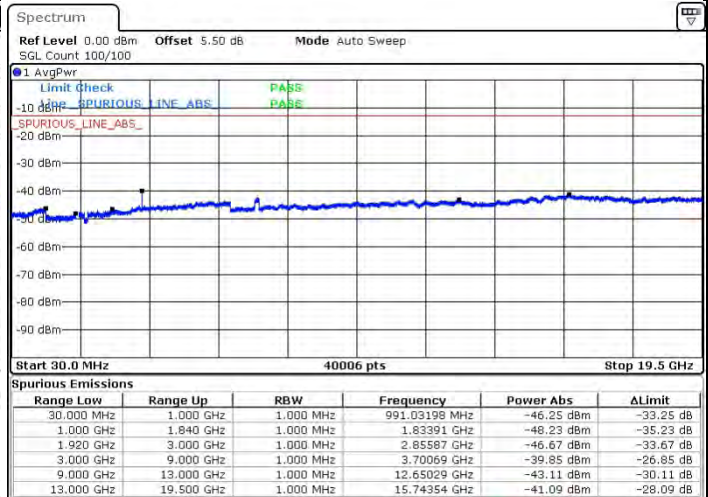
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



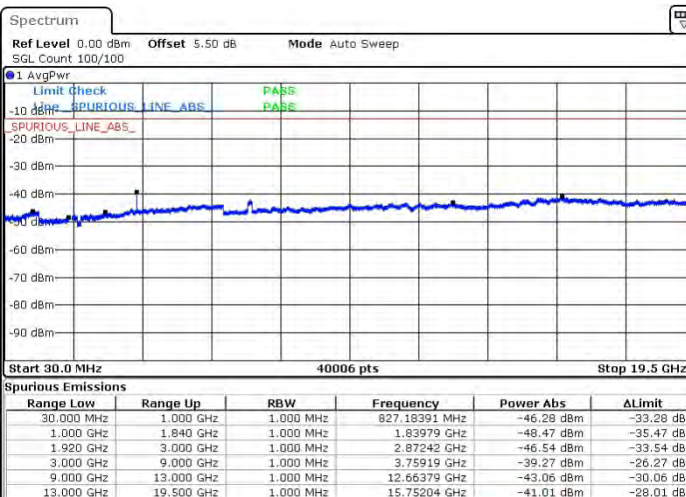
Date: 26 JUN 2015 14:52:37

Lowest Channel / 16QAM



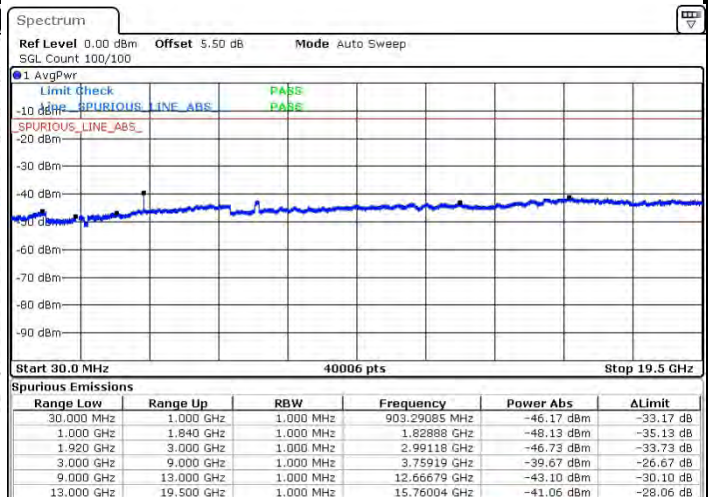
Date: 26 JUN 2015 14:53:55

Middle Channel / QPSK



Date: 26 JUN 2015 14:55:57

Middle Channel / 16QAM

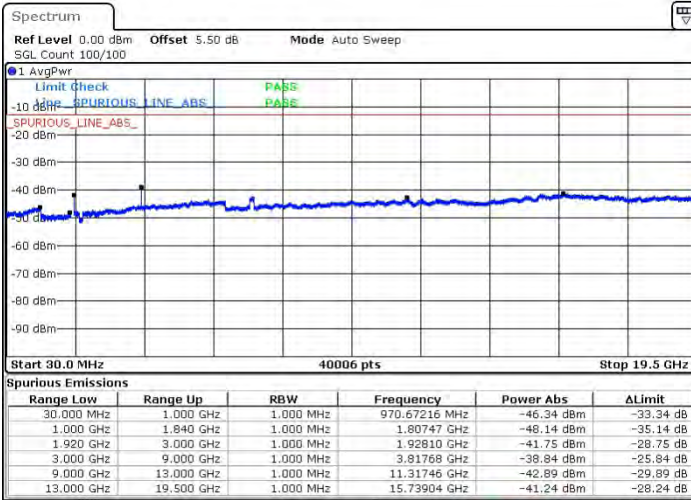


Date: 26 JUN 2015 14:57:13



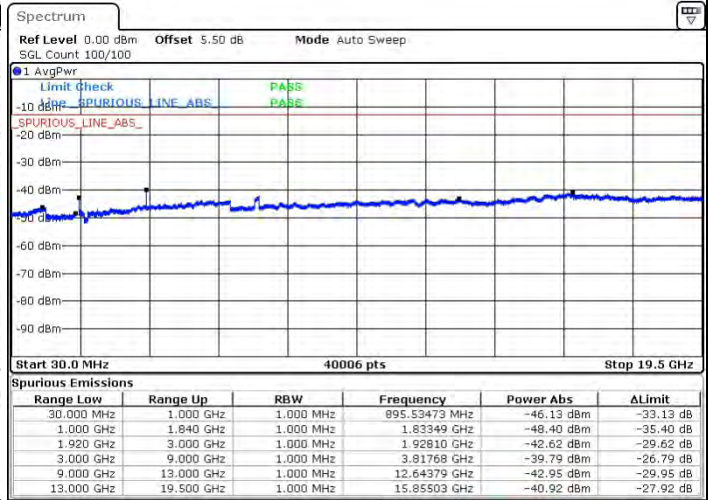
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 26 JUN 2015 15:04:05

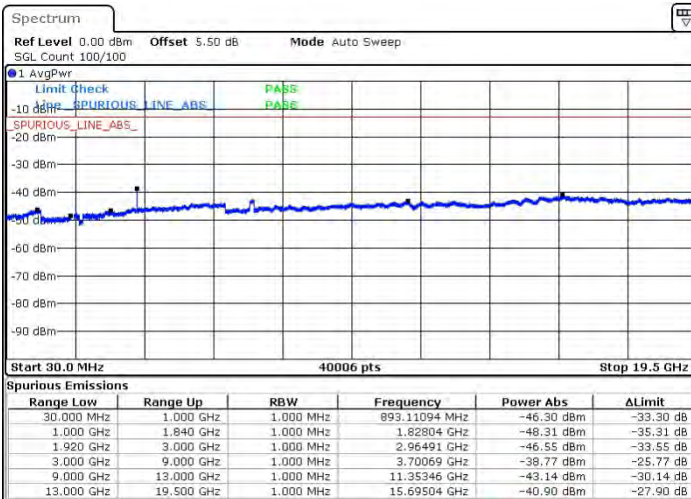
Highest Channel / 16QAM



Date: 26 JUN 2015 15:05:22

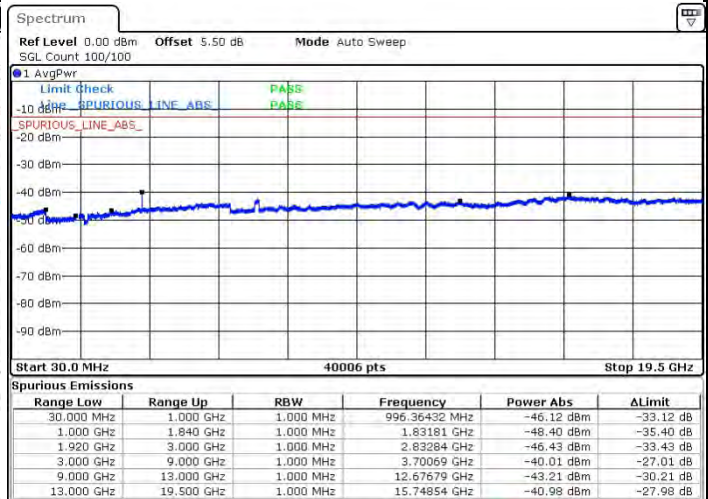
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 26 JUN 2015 15:12:07

Lowest Channel / 16QAM



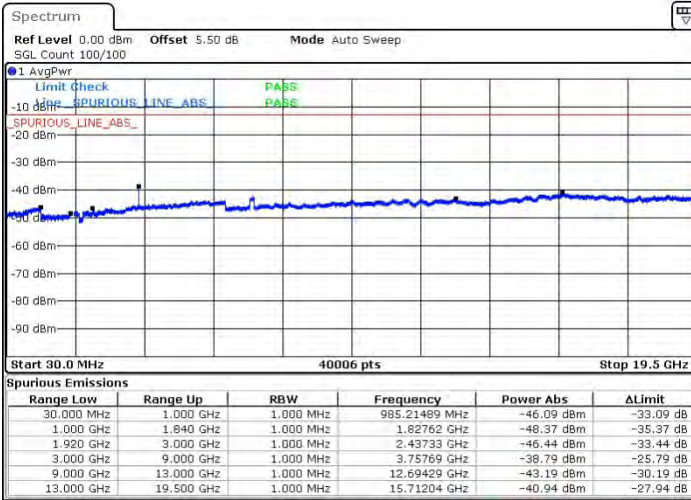
Date: 26 JUN 2015 15:13:24



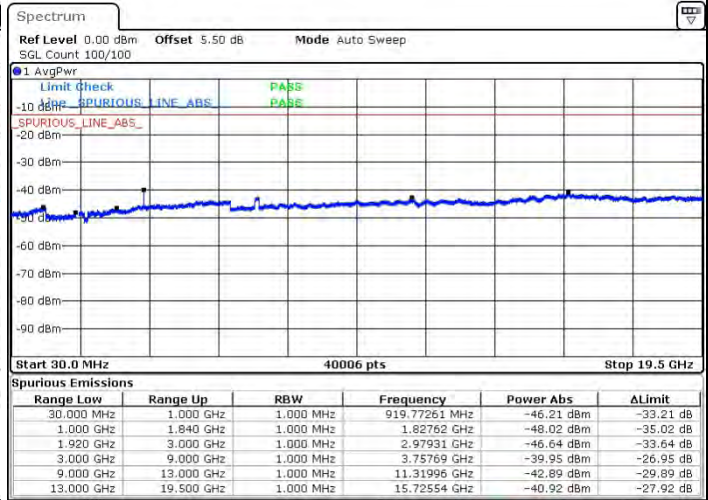
LTE Band 2 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



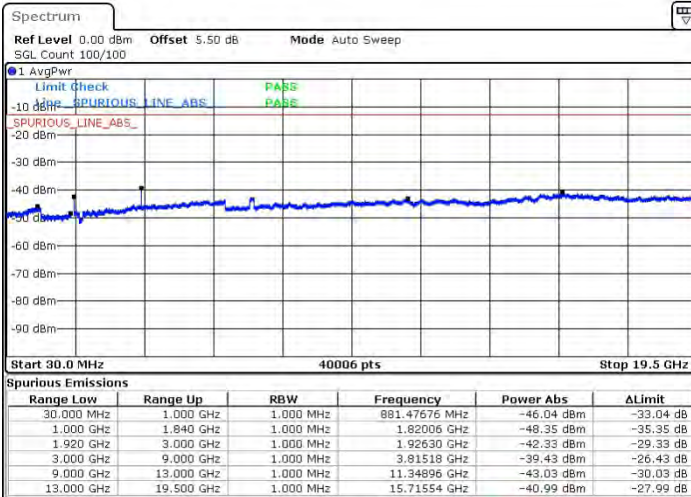
Date: 26 JUN 2015 15:15:26



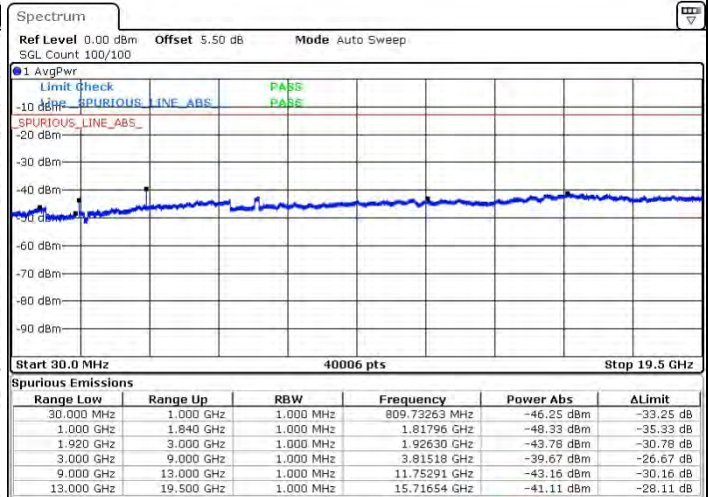
Date: 26 JUN 2015 15:16:42

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 JUN 2015 15:23:30



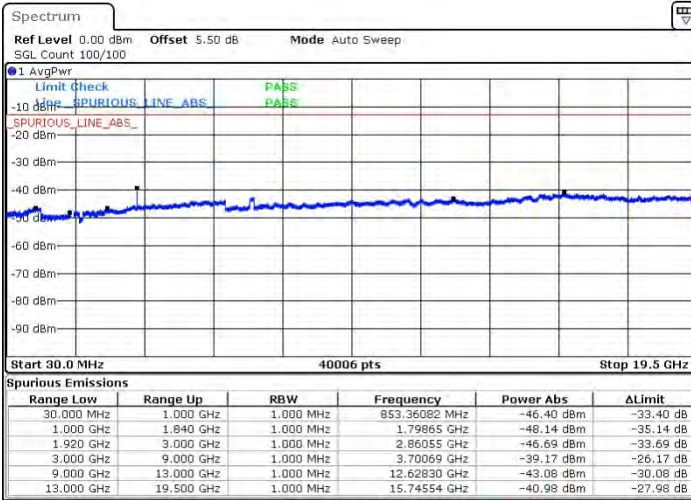
Date: 26 JUN 2015 15:24:47



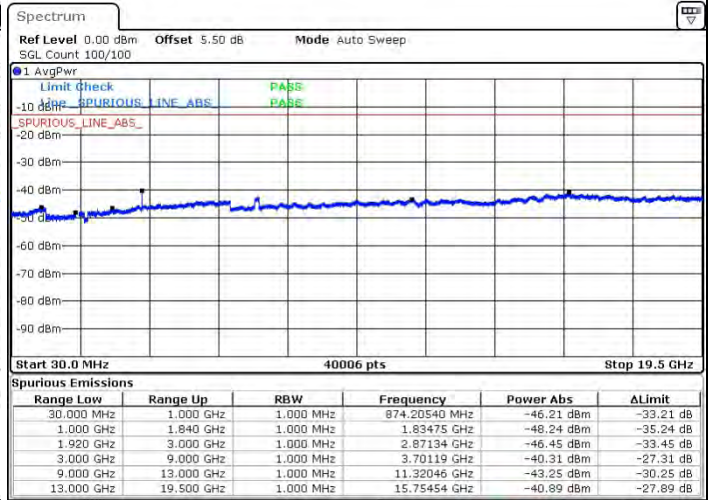
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



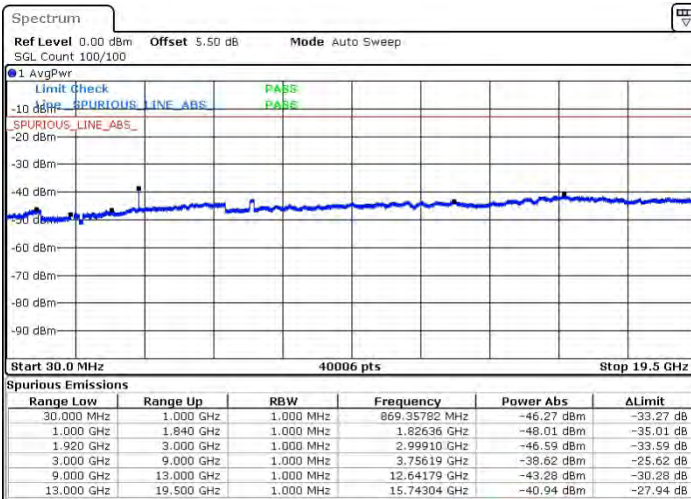
Date: 26 JUN 2015 15:31:38



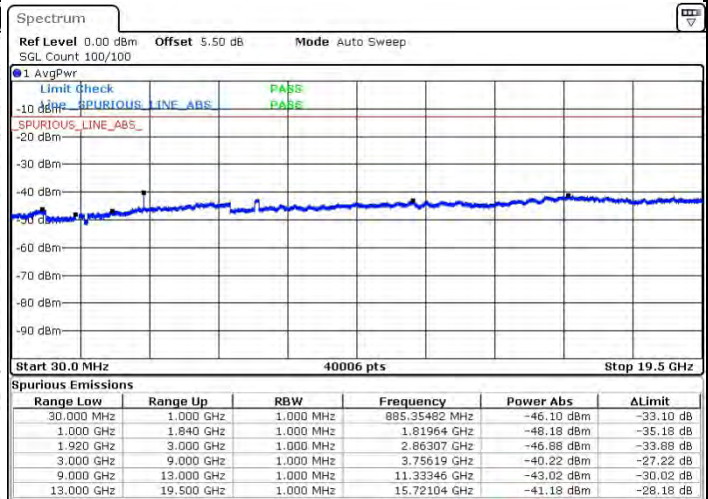
Date: 26 JUN 2015 15:32:54

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 26 JUN 2015 15:34:55

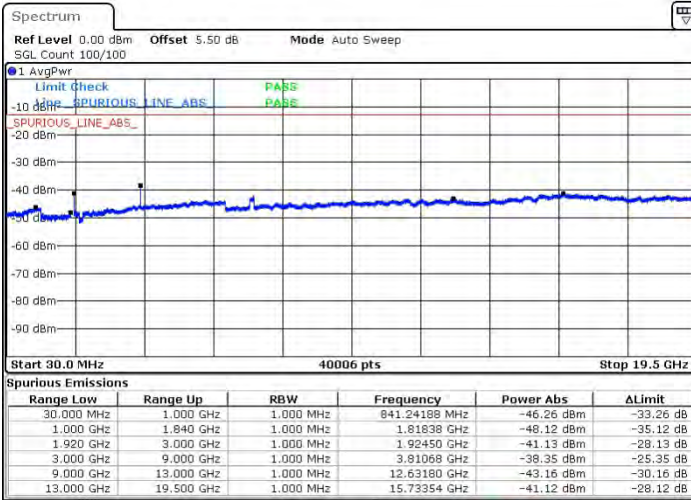


Date: 26 JUN 2015 15:36:10



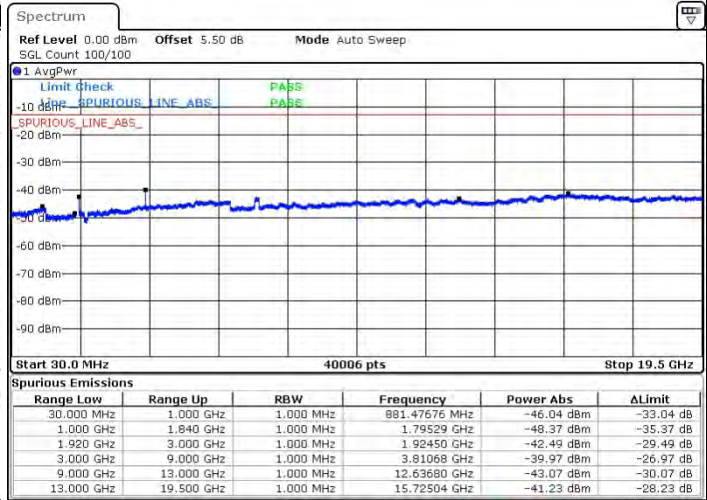
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 26 JUN 2015 15:43:00

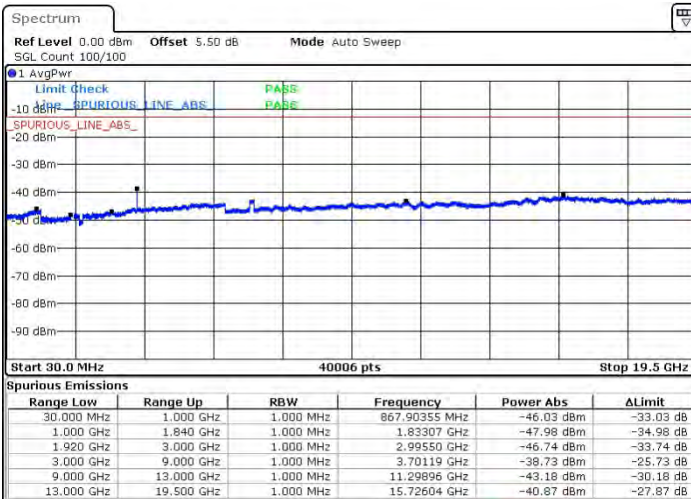
Highest Channel / 16QAM



Date: 26 JUN 2015 15:44:15

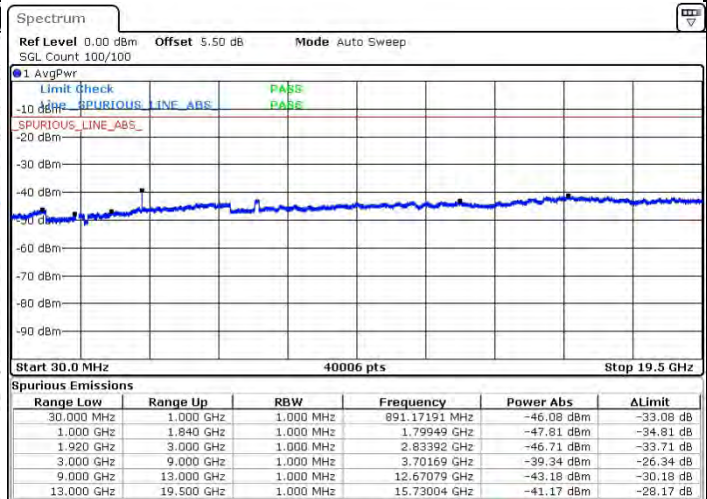
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 26 JUN 2015 15:51:04

Lowest Channel / 16QAM



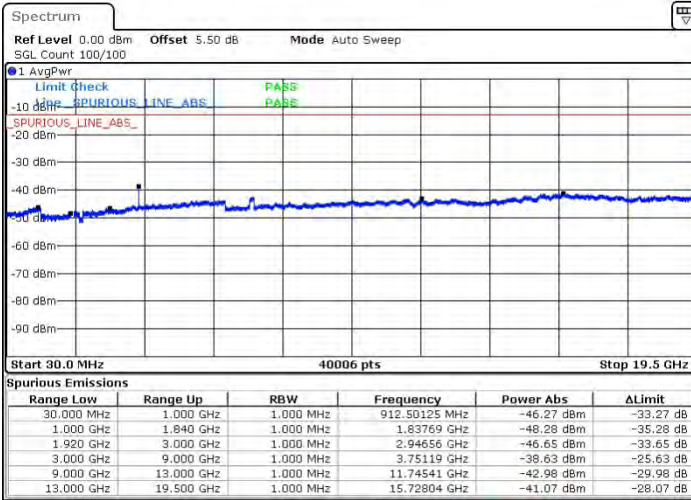
Date: 26 JUN 2015 15:52:20



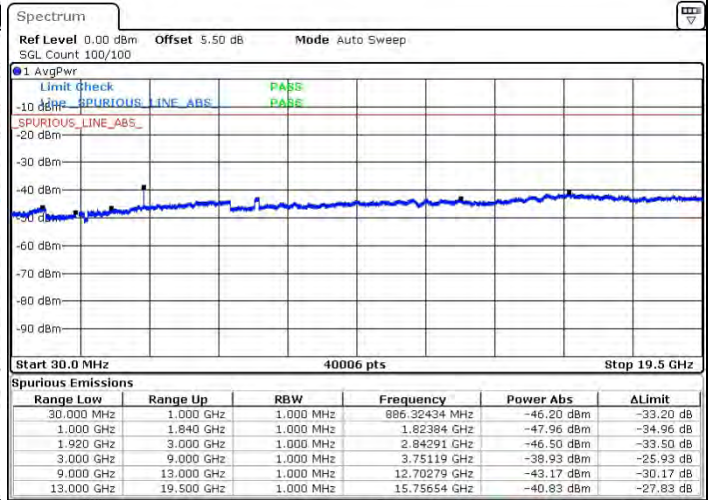
LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



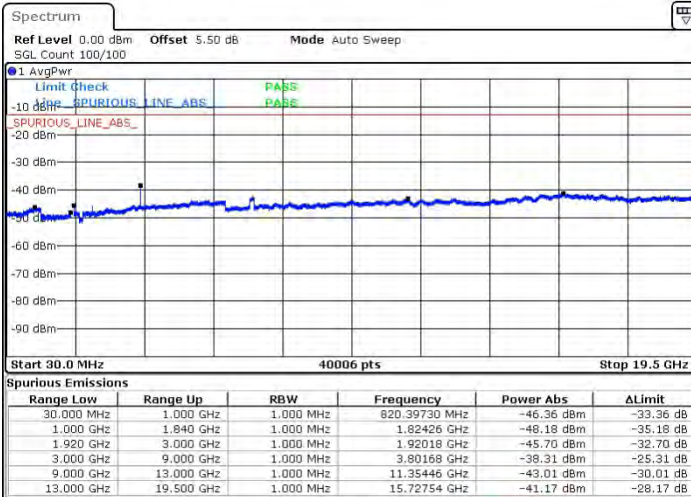
Date: 26 JUN 2015 15:54:23



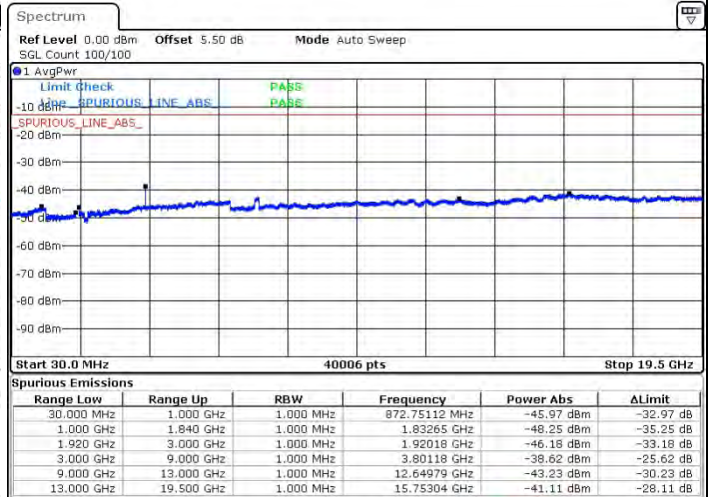
Date: 26 JUN 2015 15:55:40

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 JUN 2015 16:02:31



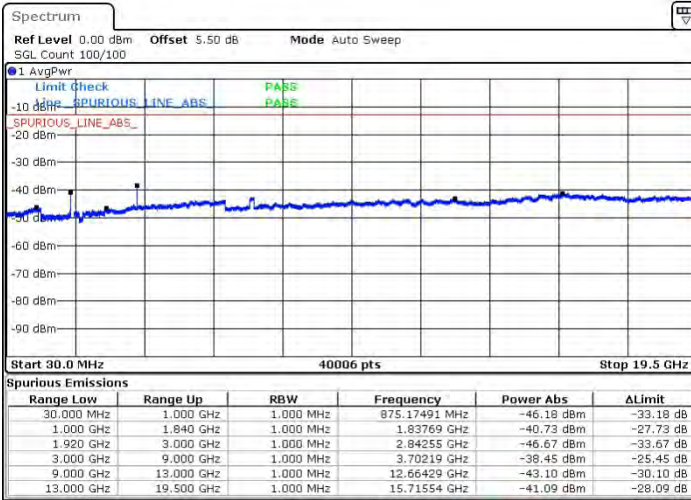
Date: 26 JUN 2015 16:03:46



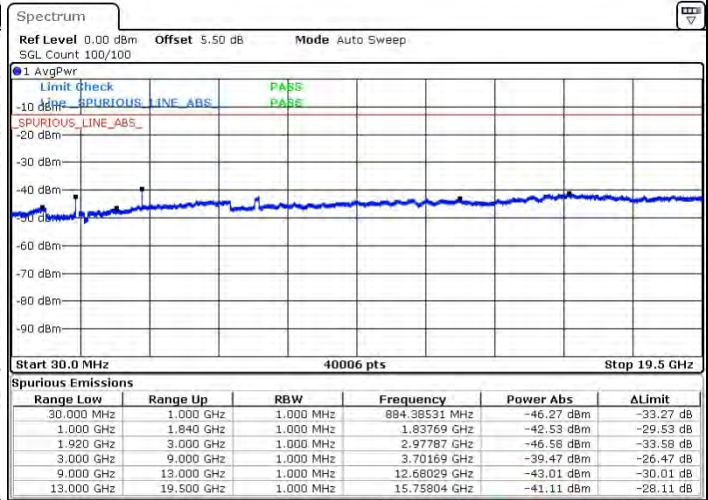
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



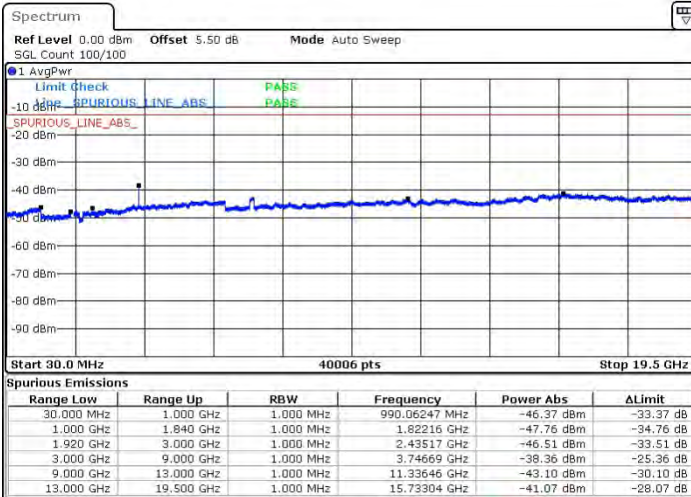
Date: 26 JUN 2015 16:10:38



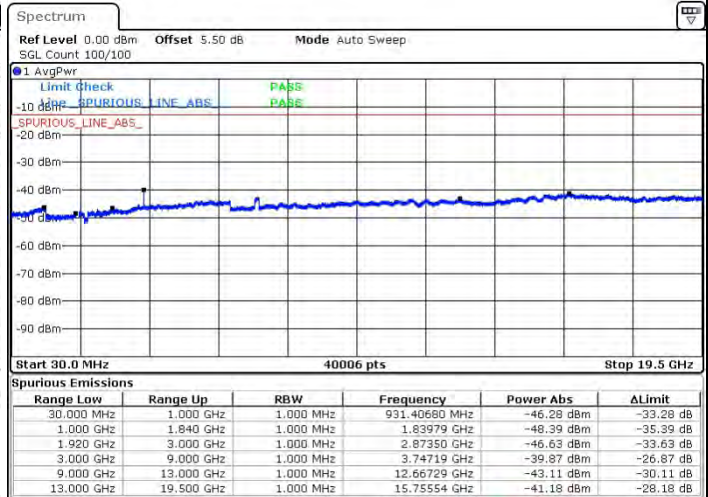
Date: 26 JUN 2015 16:11:54

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 26 JUN 2015 16:13:57



Date: 26 JUN 2015 16:15:12

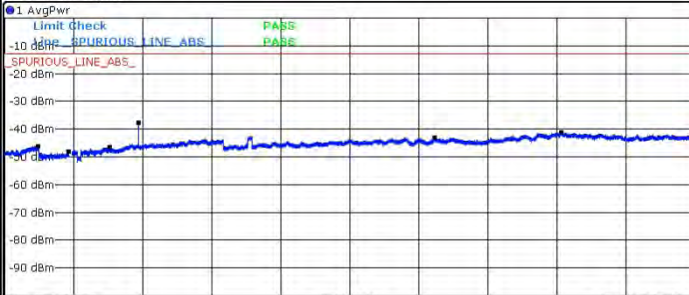


LTE Band 2 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM

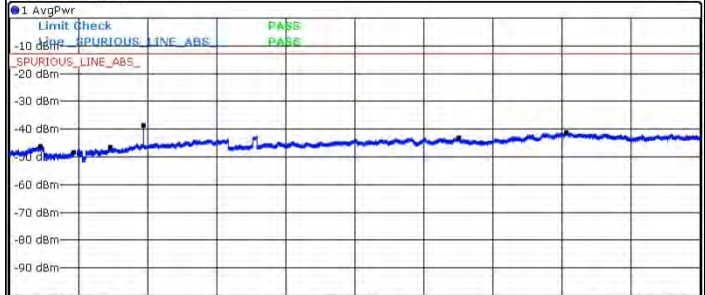
Spectrum

Ref Level 0.00 dBm Offset 5.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-46.15 dBm	-33.15 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83433 GHz	-48.23 dBm	-35.23 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.97751 GHz	-46.45 dBm	-33.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79218 GHz	-37.76 dBm	-24.76 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.16135 GHz	-43.13 dBm	-30.13 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.71804 GHz	-41.13 dBm	-28.13 dB

Date: 26 JUN 2015 16:22:03

Spectrum

Ref Level 0.00 dBm Offset 5.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.62619 MHz	-46.28 dBm	-33.28 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83475 GHz	-48.35 dBm	-35.35 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.86810 GHz	-46.65 dBm	-33.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.79218 GHz	-38.56 dBm	-25.56 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69329 GHz	-42.97 dBm	-29.97 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73654 GHz	-41.14 dBm	-28.14 dB

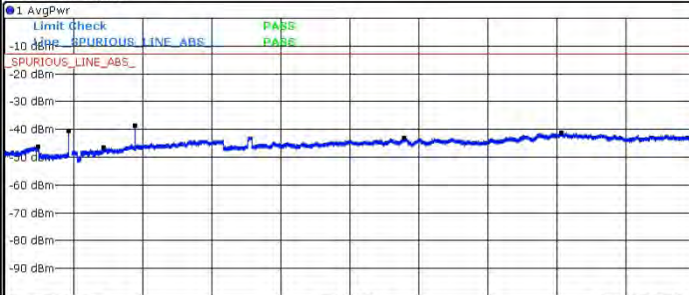
Date: 26 JUN 2015 16:23:20

LTE Band 2 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

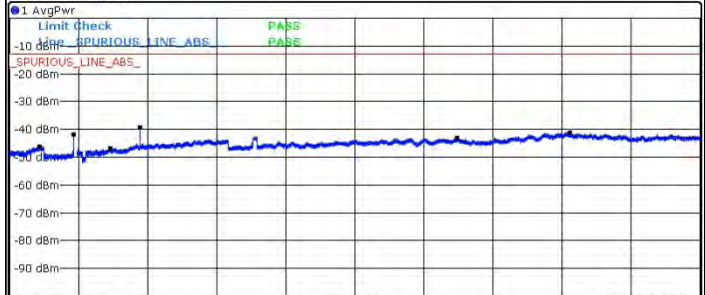
Spectrum

Ref Level 0.00 dBm Offset 5.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.03498 MHz	-46.24 dBm	-33.24 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83349 GHz	-40.65 dBm	-27.65 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81988 GHz	-46.48 dBm	-33.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-38.61 dBm	-25.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.28096 GHz	-43.03 dBm	-30.03 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.73254 GHz	-41.21 dBm	-28.21 dB

Date: 26 JUN 2015 16:30:11

Spectrum

Ref Level 0.00 dBm Offset 5.50 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.02249 MHz	-46.11 dBm	-33.11 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83391 GHz	-41.87 dBm	-28.87 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.86019 GHz	-46.77 dBm	-33.77 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70219 GHz	-39.17 dBm	-26.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64529 GHz	-43.24 dBm	-30.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.83853 GHz	-41.17 dBm	-28.17 dB

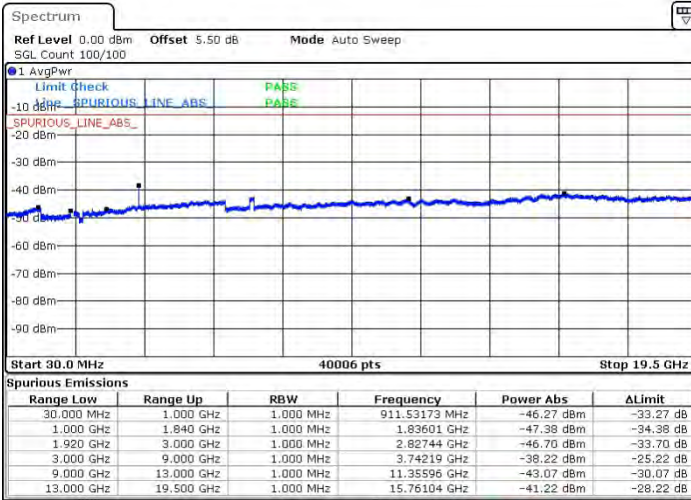
Date: 26 JUN 2015 16:31:28



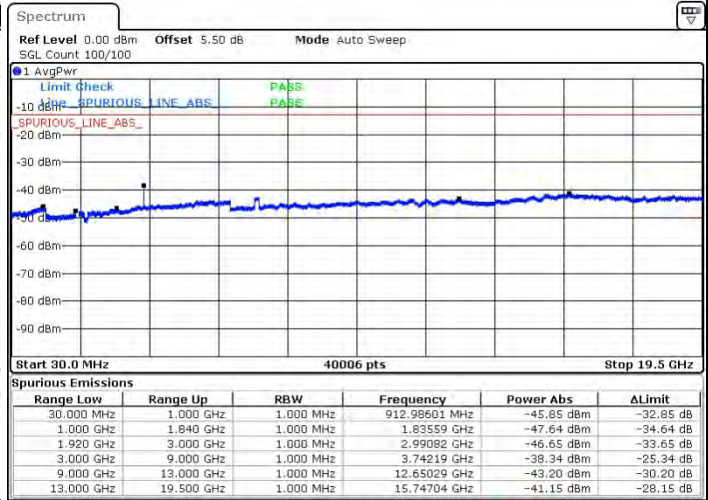
LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



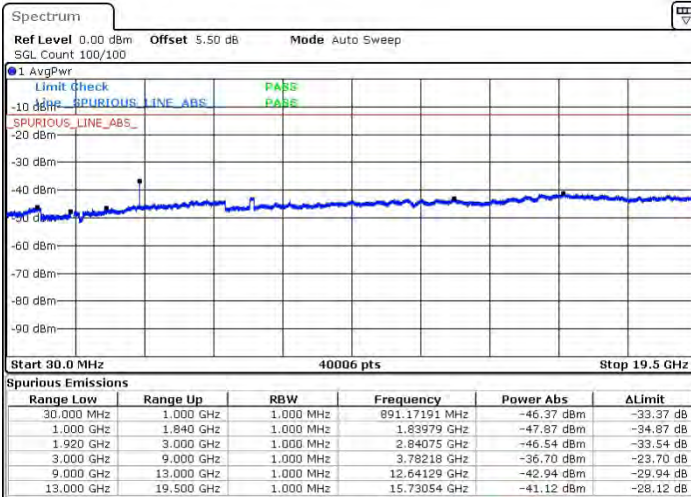
Date: 26 JUN 2015 16:33:30



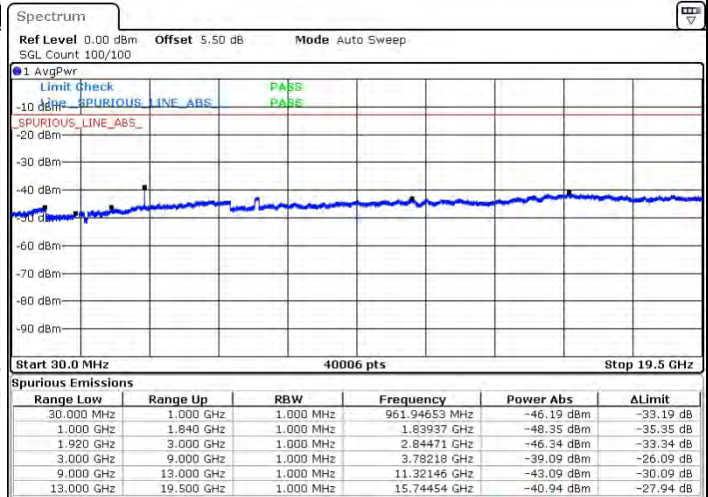
Date: 26 JUN 2015 16:34:46

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 JUN 2015 16:41:33



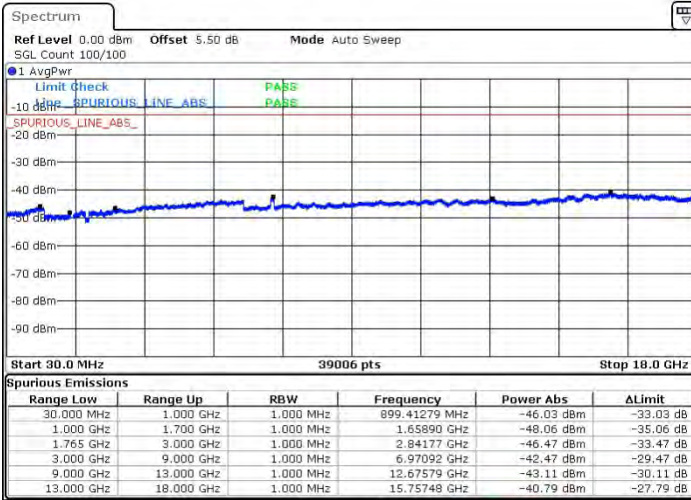
Date: 26 JUN 2015 16:42:50



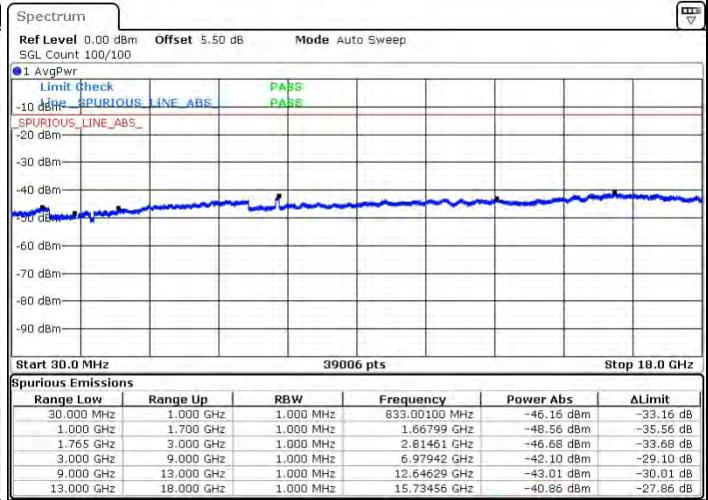
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



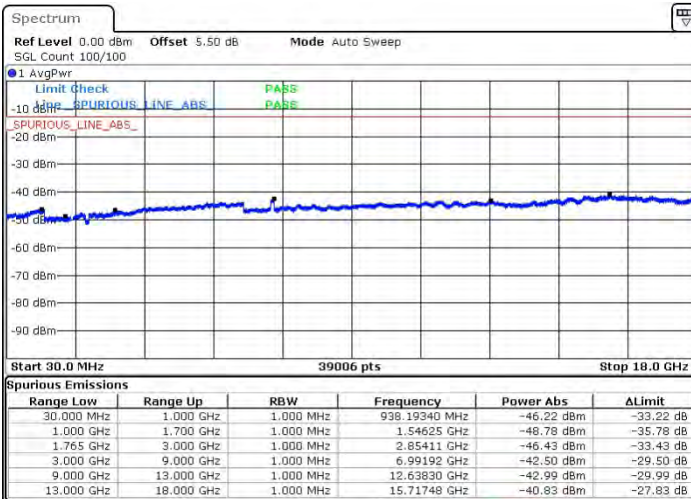
Date: 27 JUN 2015 00:35:03



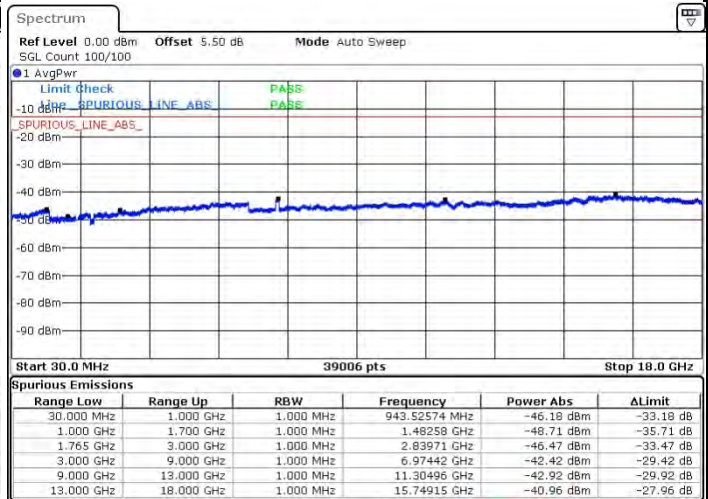
Date: 27 JUN 2015 00:36:14

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 27 JUN 2015 00:38:12

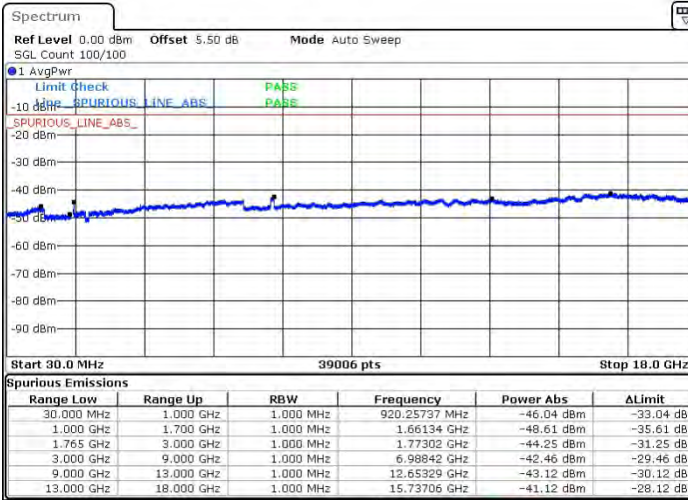


Date: 27 JUN 2015 00:39:23



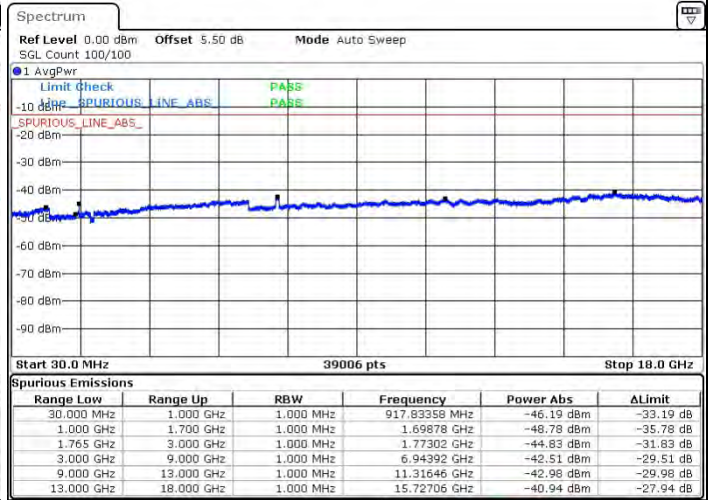
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 27 JUN 2015 00:45:55

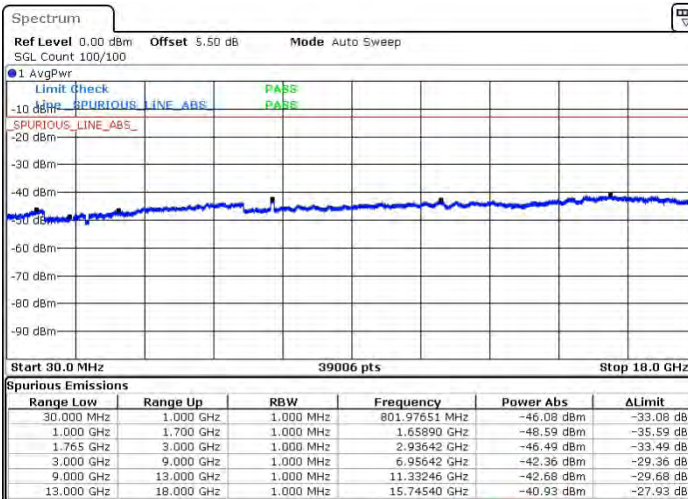
Highest Channel / 16QAM



Date: 27 JUN 2015 00:47:06

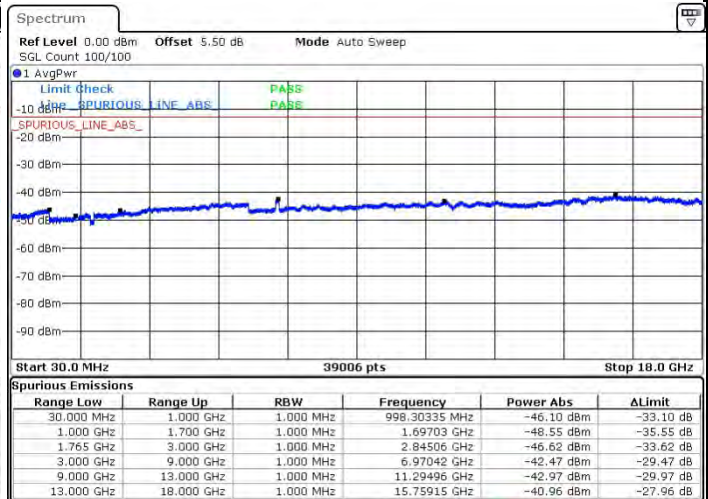
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 27 JUN 2015 00:53:38

Lowest Channel / 16QAM



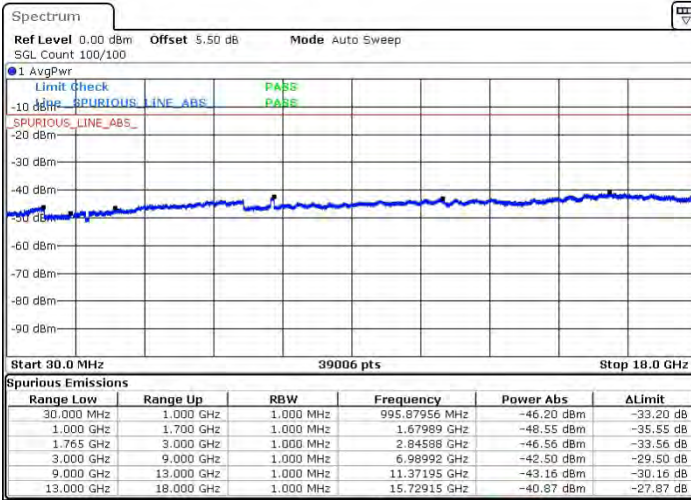
Date: 27 JUN 2015 00:54:49



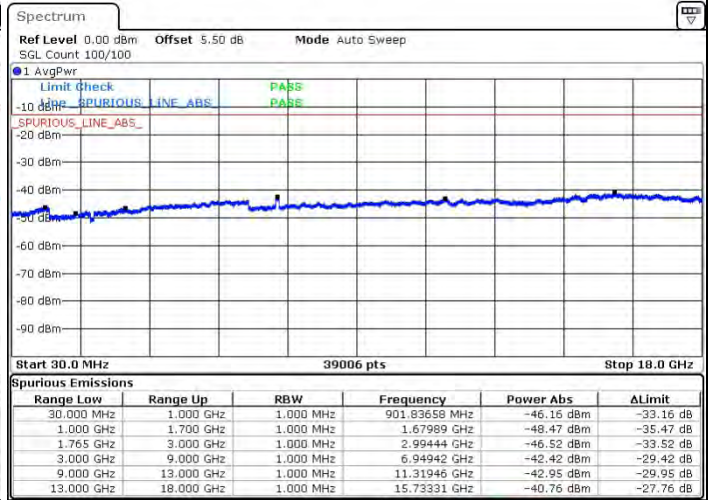
LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



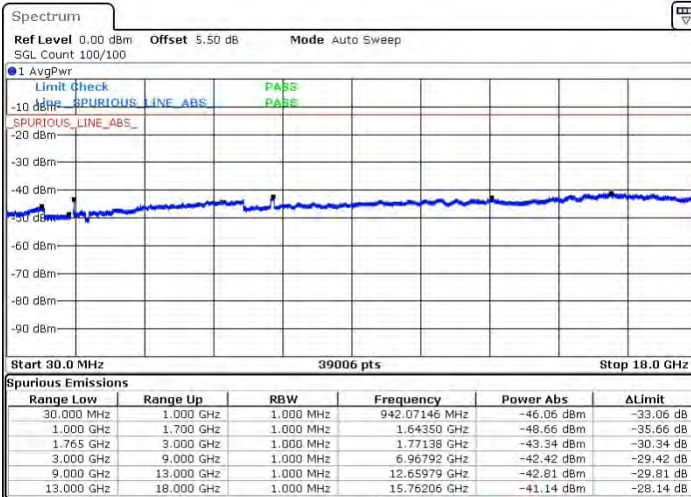
Date: 27 JUN 2015 00:56:47



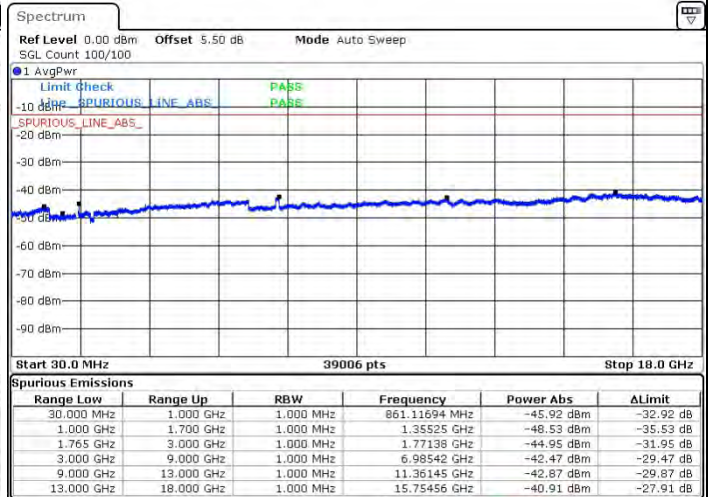
Date: 27 JUN 2015 00:57:58

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27 JUN 2015 01:04:30



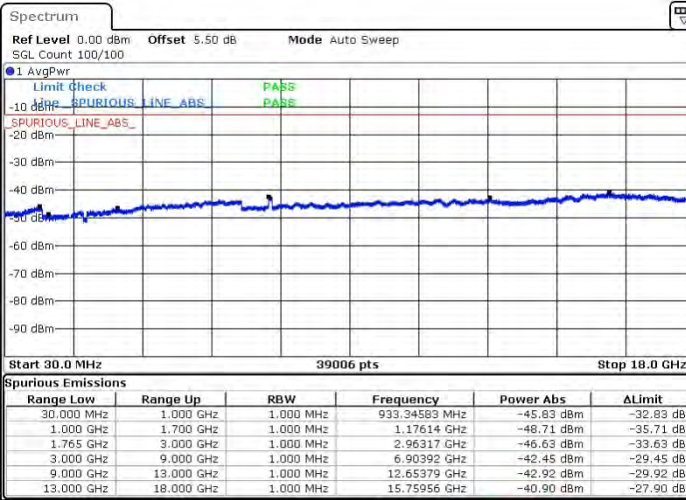
Date: 27 JUN 2015 01:05:41



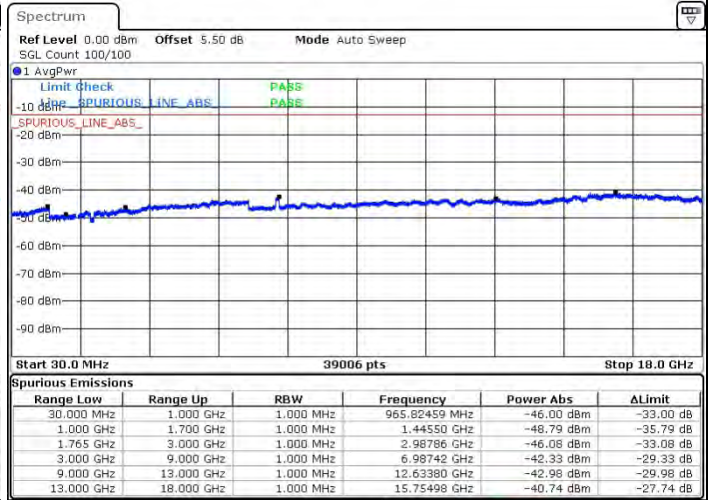
LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



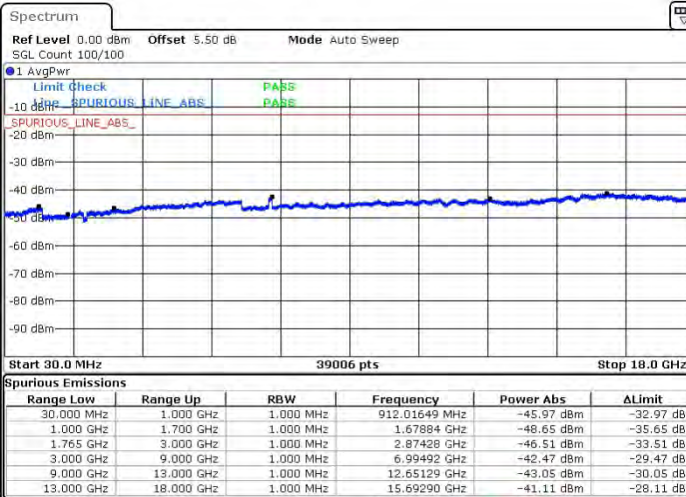
Date: 27 JUN 2015 01:12:12



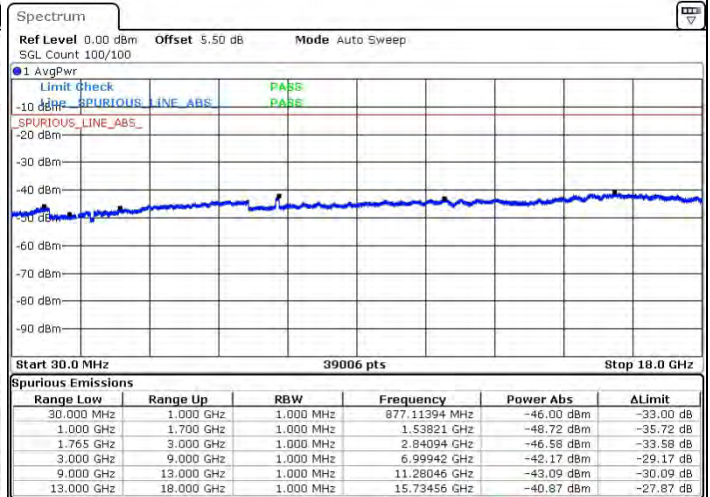
Date: 27 JUN 2015 01:13:23

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 27 JUN 2015 01:15:21



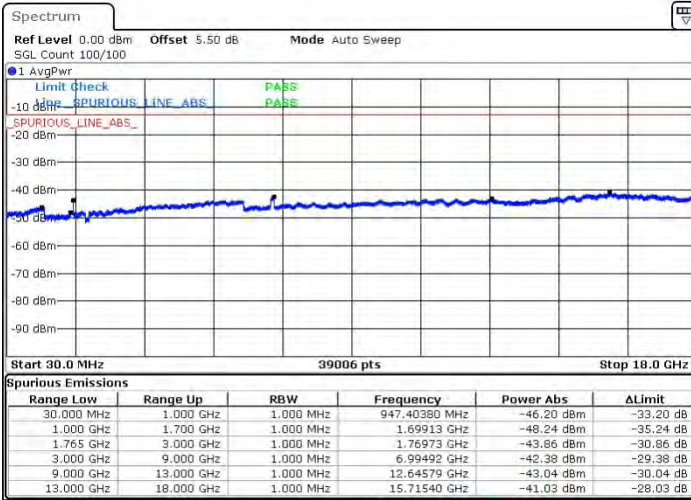
Date: 27 JUN 2015 01:16:32



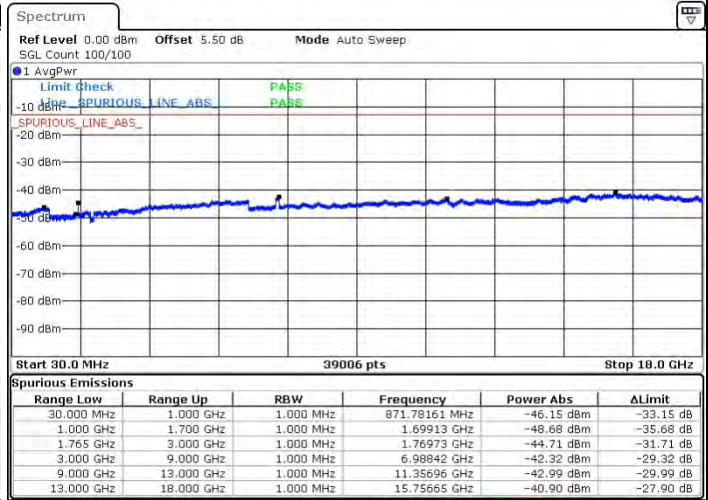
LTE Band 4 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27 JUN 2015 01:23:04

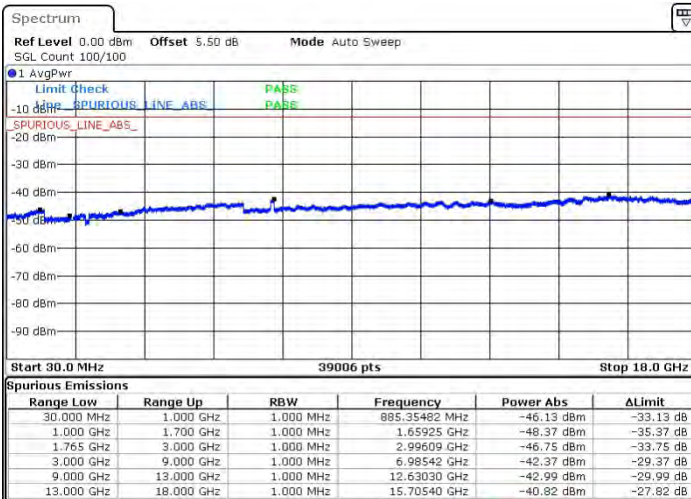


Date: 27 JUN 2015 01:24:16

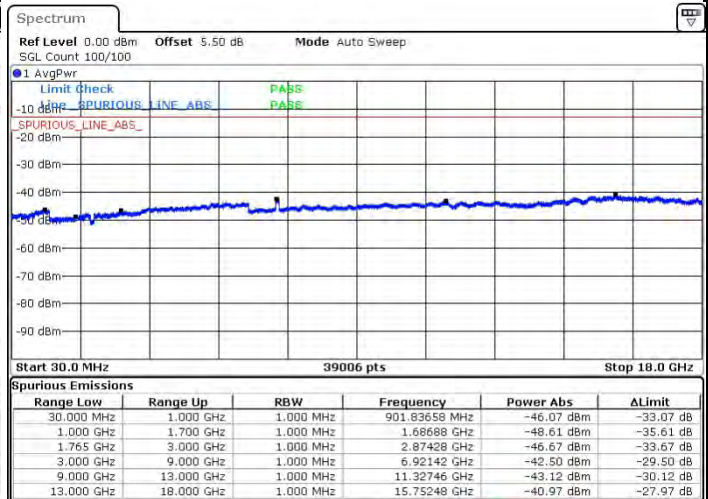
LTE Band 4 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 27 JUN 2015 01:30:48



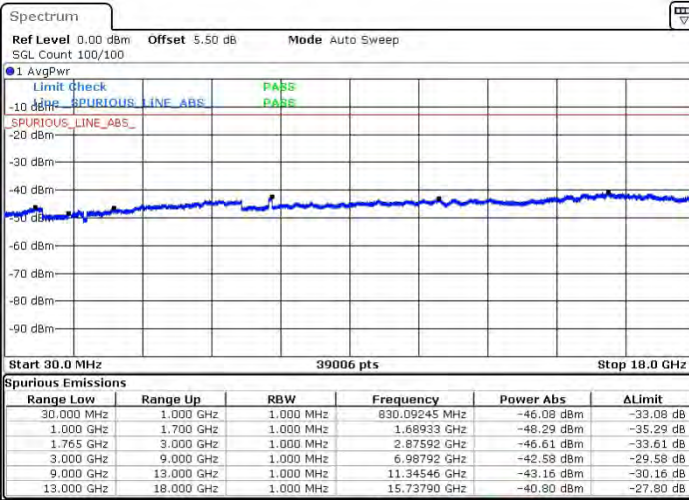
Date: 27 JUN 2015 01:32:00



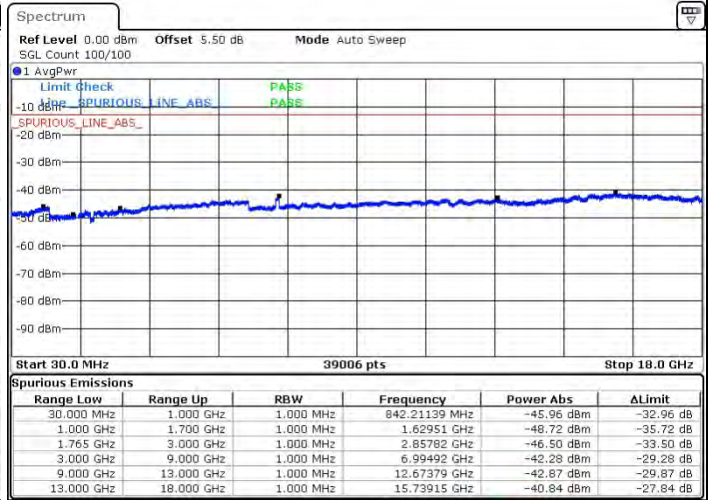
LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



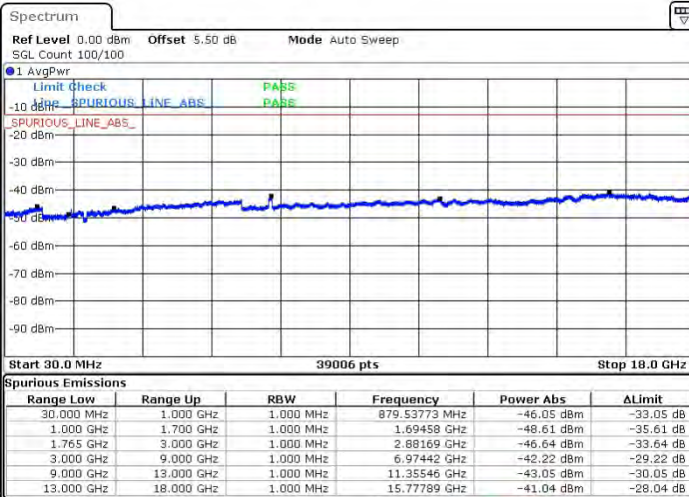
Date: 27 JUN 2015 01:33:57



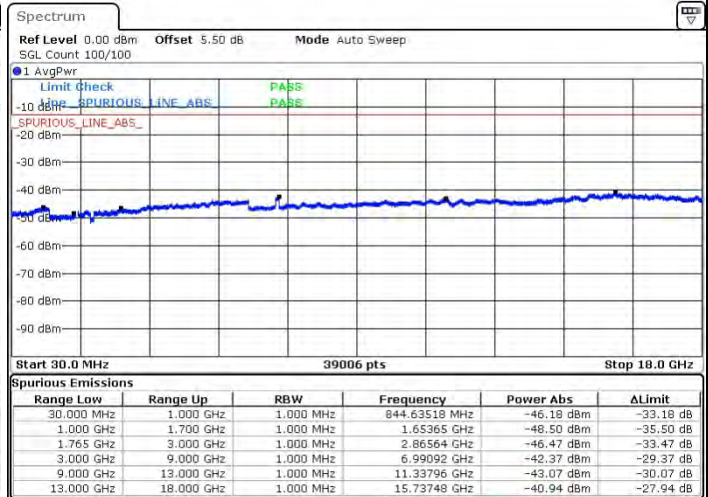
Date: 27 JUN 2015 01:35:08

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27 JUN 2015 01:41:40



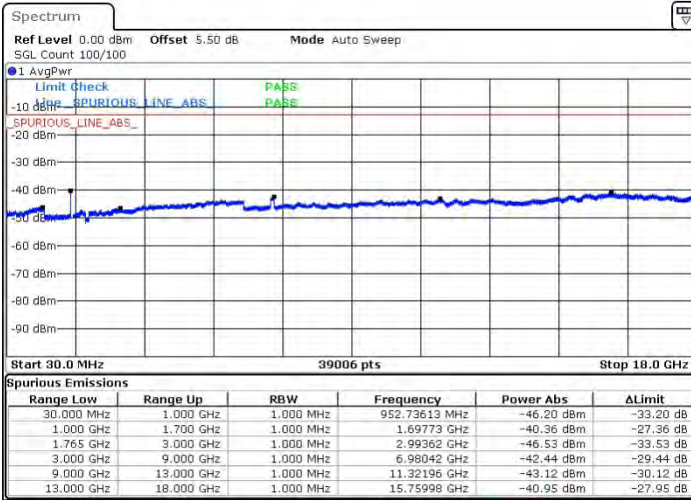
Date: 27 JUN 2015 01:42:51



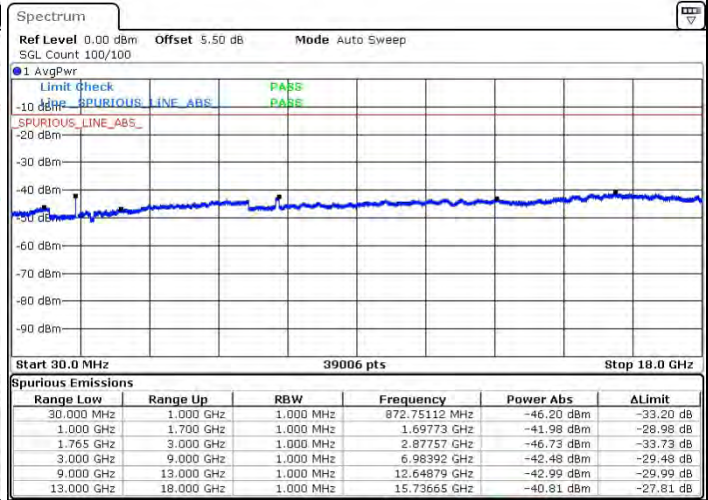
LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



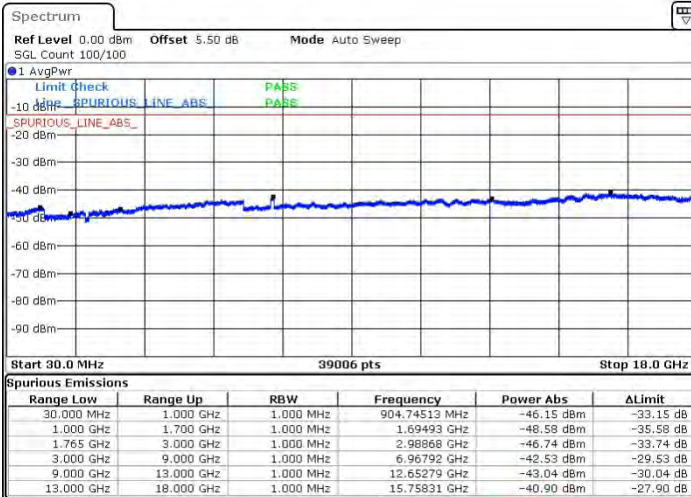
Date: 27 JUN 2015 01:49:23



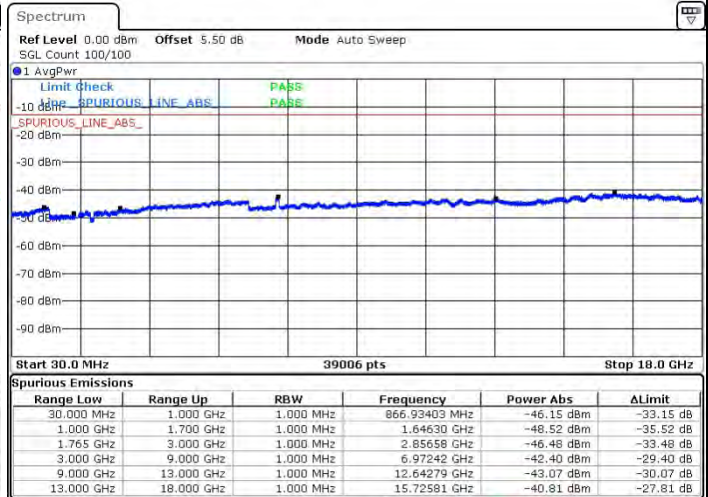
Date: 27 JUN 2015 01:50:34

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 27 JUN 2015 01:52:32



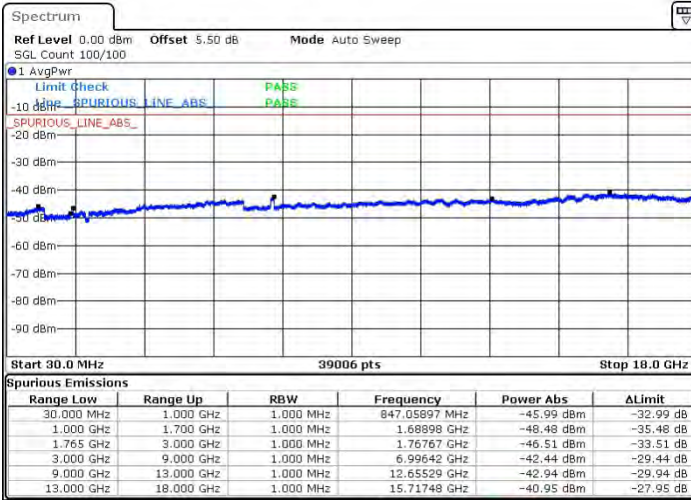
Date: 27 JUN 2015 01:53:43



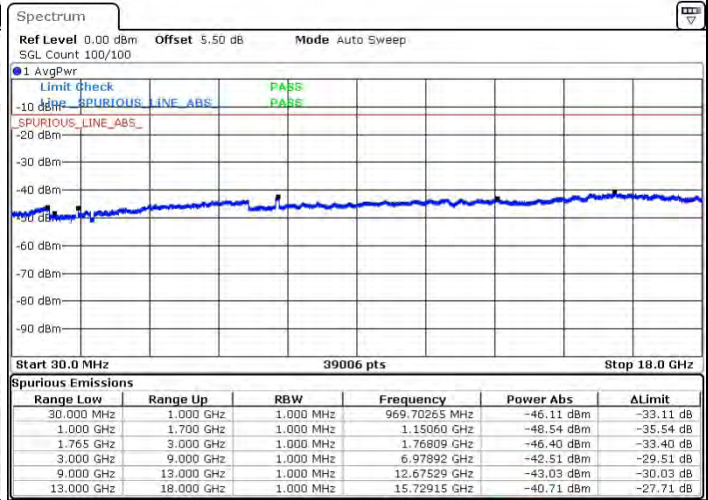
LTE Band 4 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27 JUN 2015 02:00:15

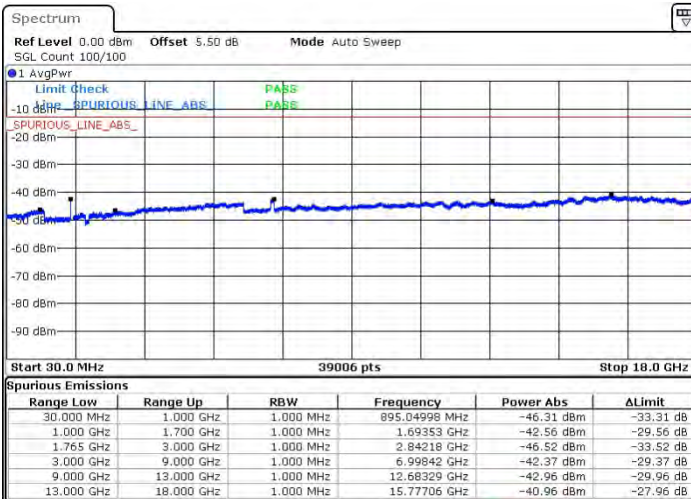


Date: 27 JUN 2015 02:01:26

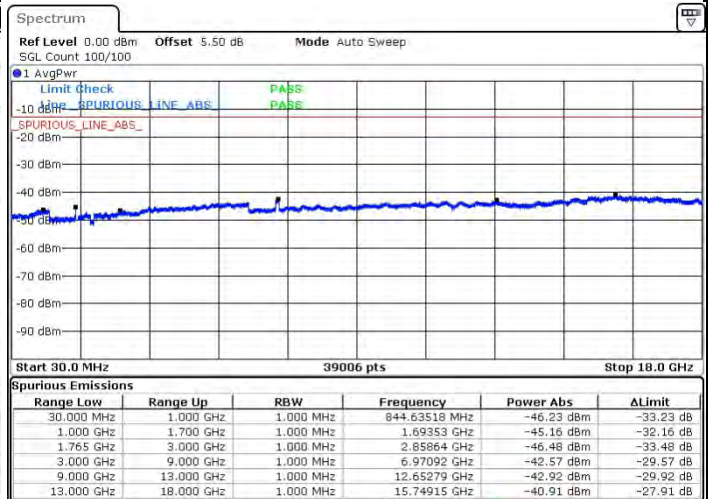
LTE Band 4 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 27 JUN 2015 02:07:58



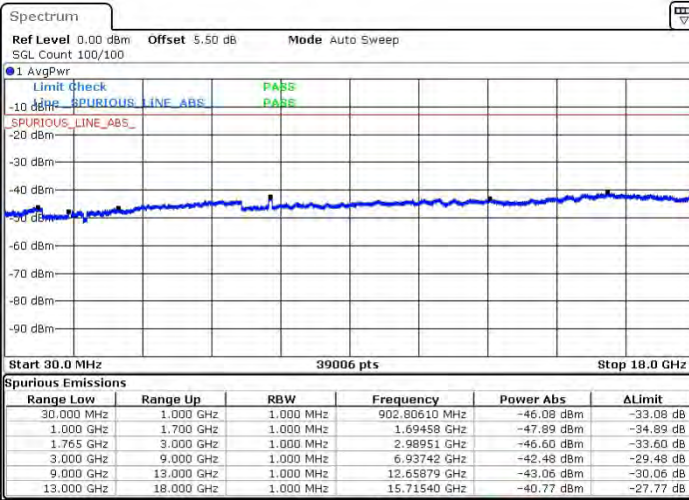
Date: 27 JUN 2015 02:09:09



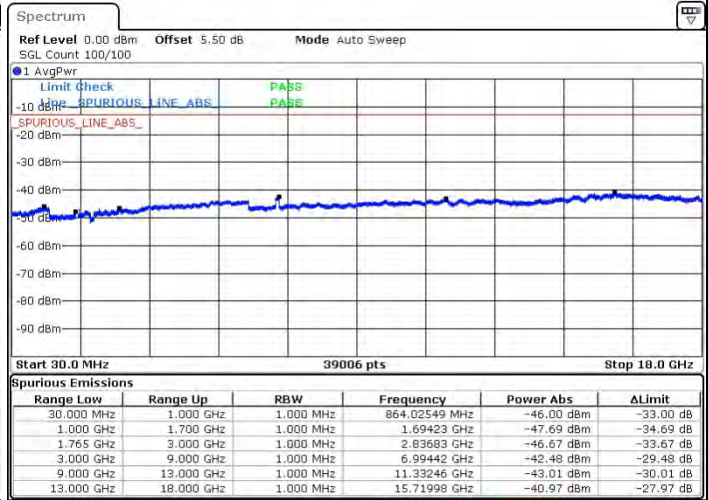
LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM



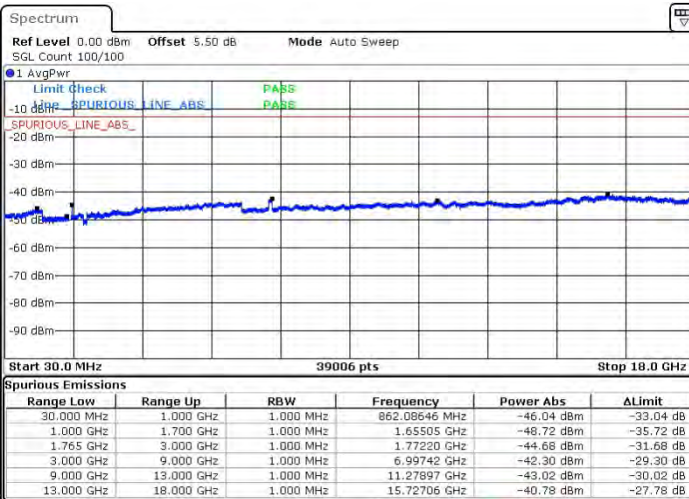
Date: 27 JUN 2015 02:11:07



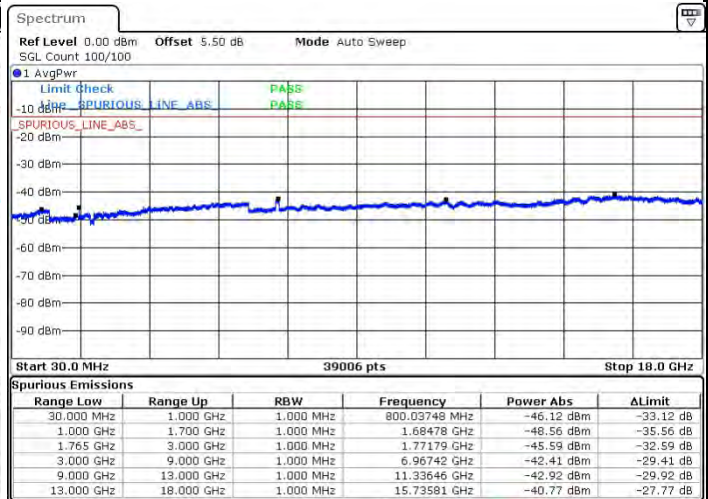
Date: 27 JUN 2015 02:12:18

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27 JUN 2015 02:18:49



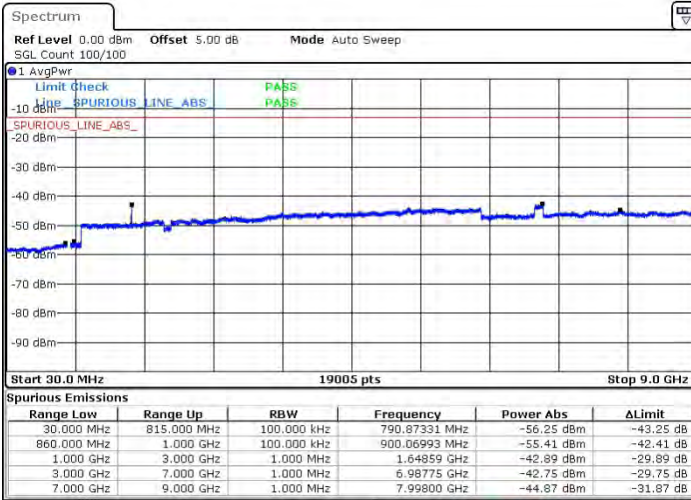
Date: 27 JUN 2015 02:20:01



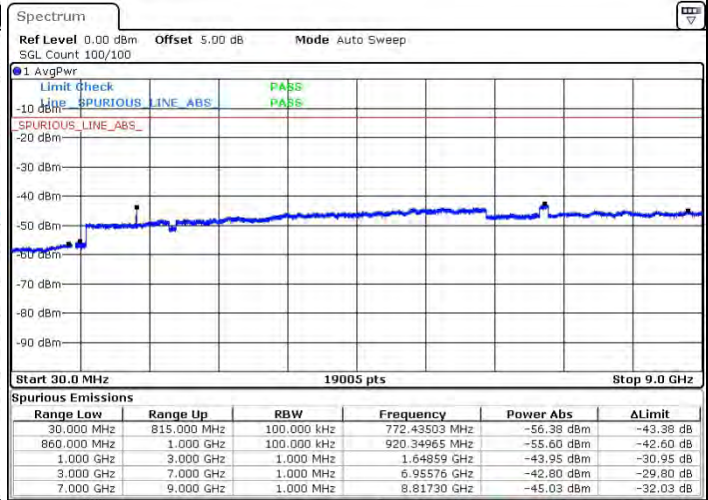
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



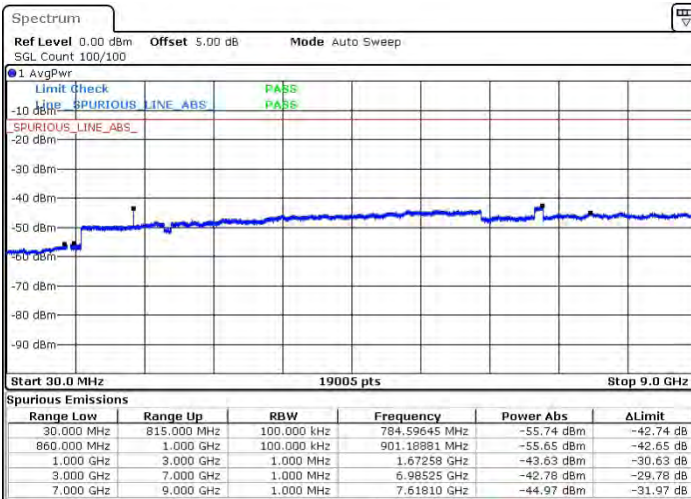
Date: 26 JUN 2015 19:58:56



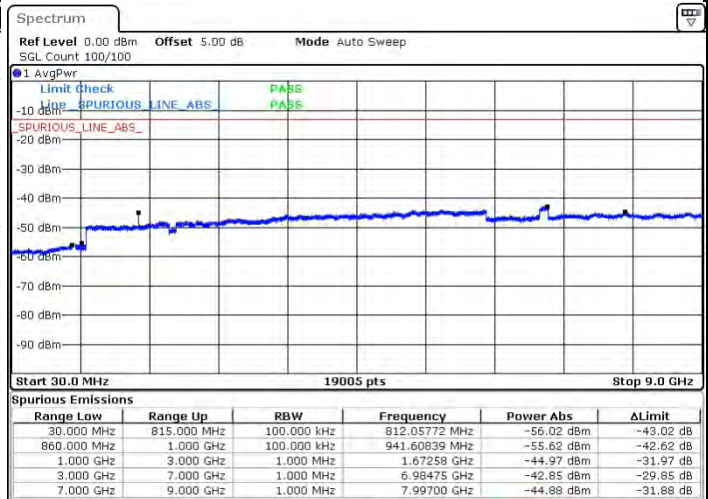
Date: 26 JUN 2015 20:00:06

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 26 JUN 2015 20:02:03



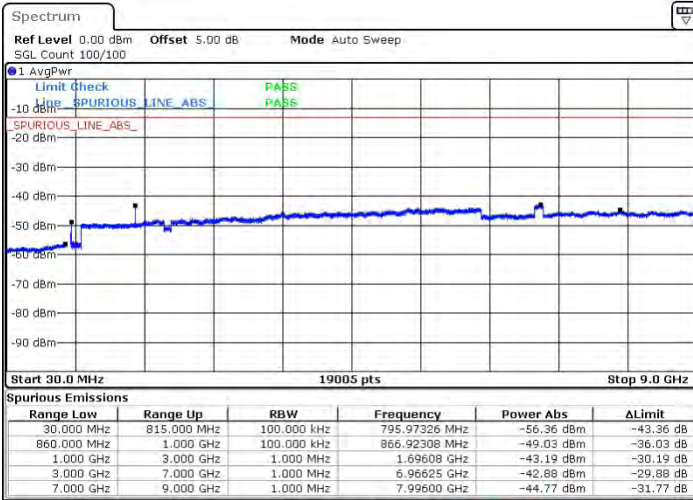
Date: 26 JUN 2015 20:03:14



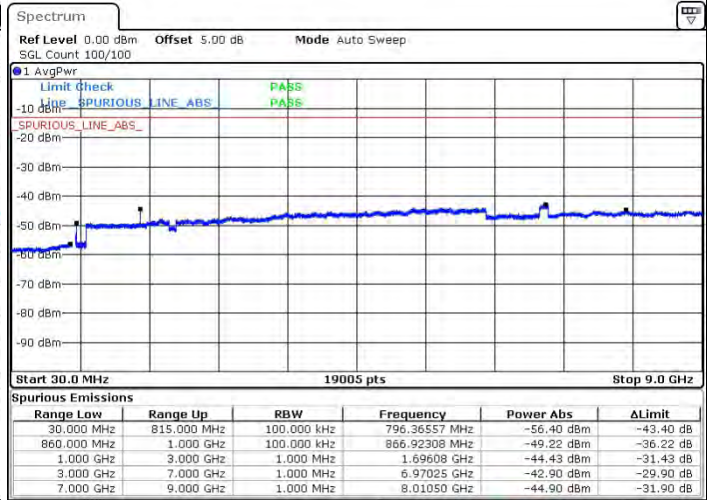
LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 JUN 2015 20:05:11

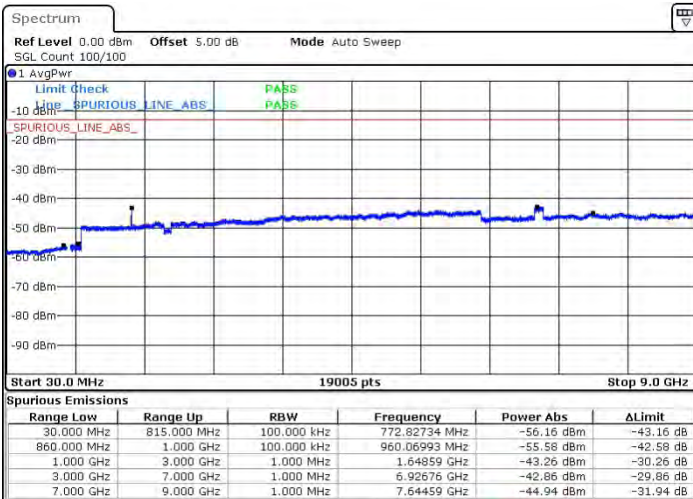


Date: 26 JUN 2015 20:06:21

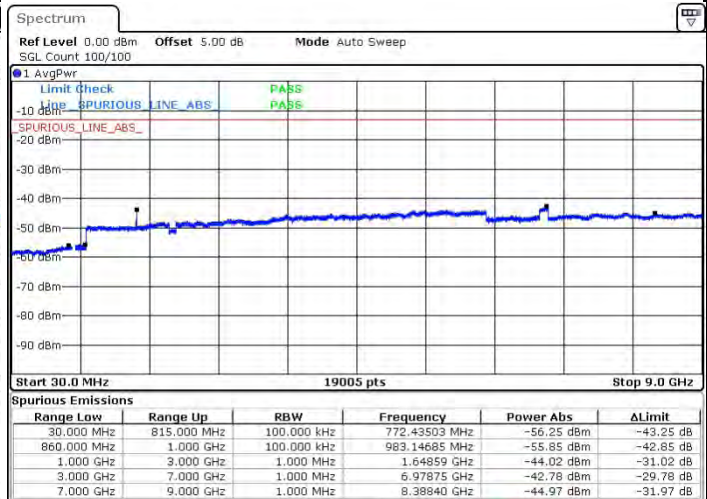
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 26 JUN 2015 20:08:18



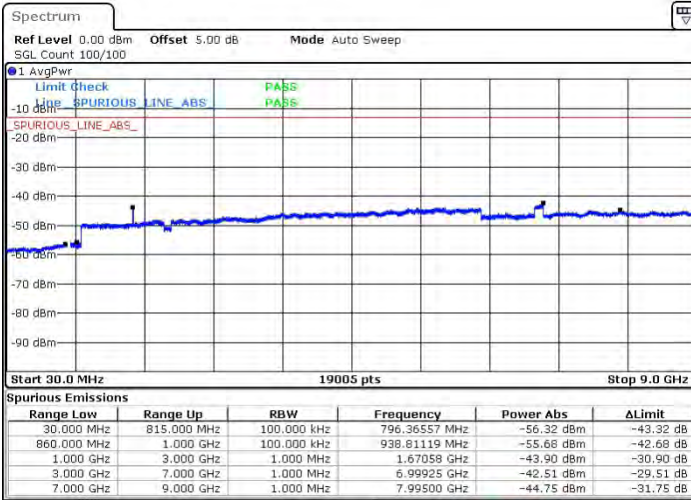
Date: 26 JUN 2015 20:09:28



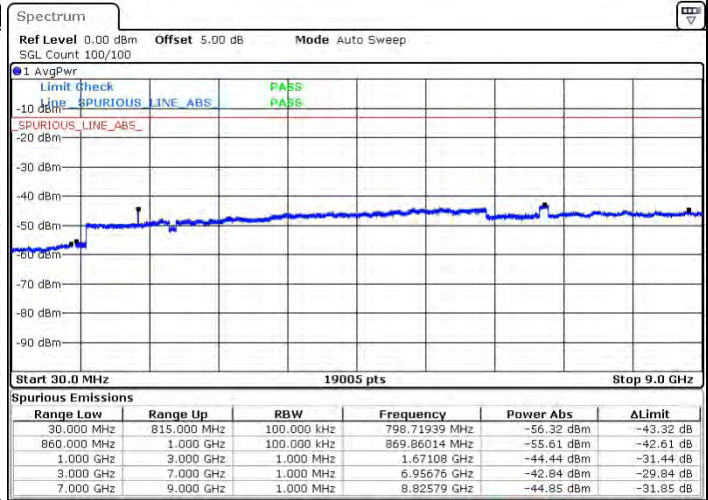
LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



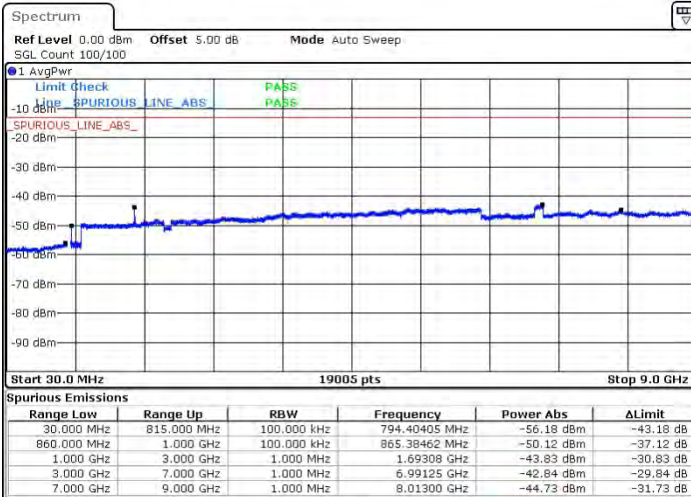
Date: 26 JUN 2015 20:11:26



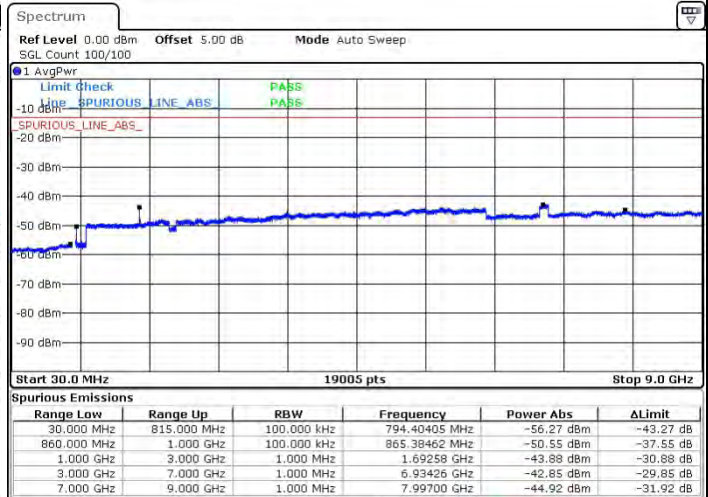
Date: 26 JUN 2015 20:12:36

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 JUN 2015 20:14:33



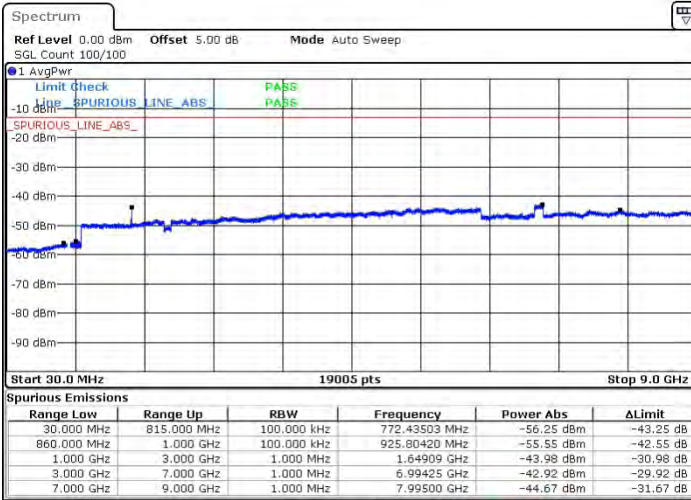
Date: 26 JUN 2015 20:15:43



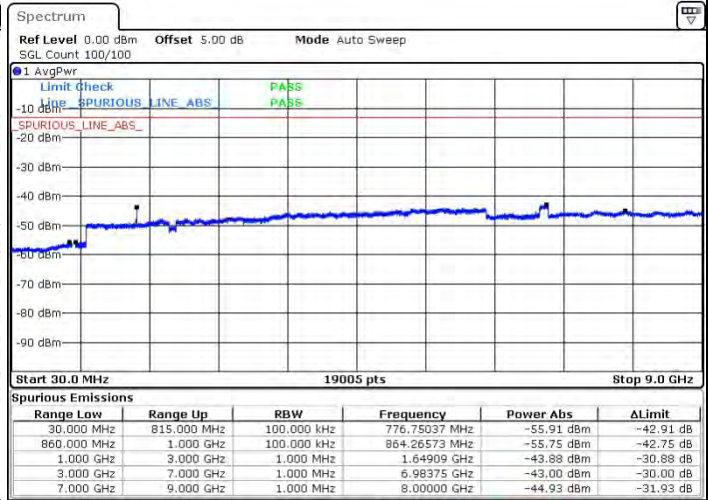
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



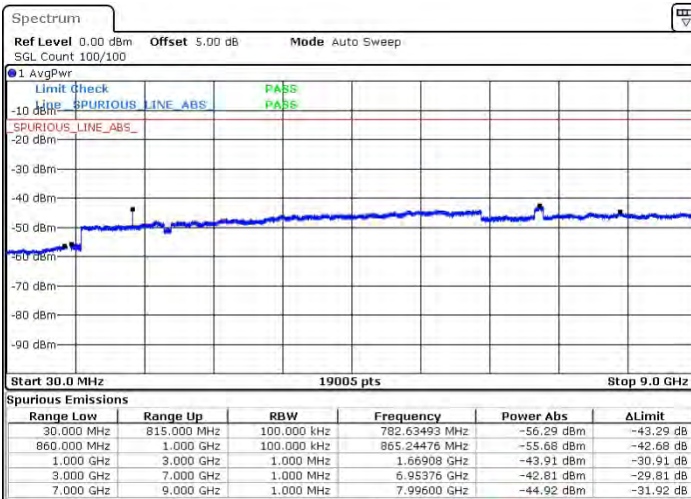
Date: 26 JUN 2015 20:17:41



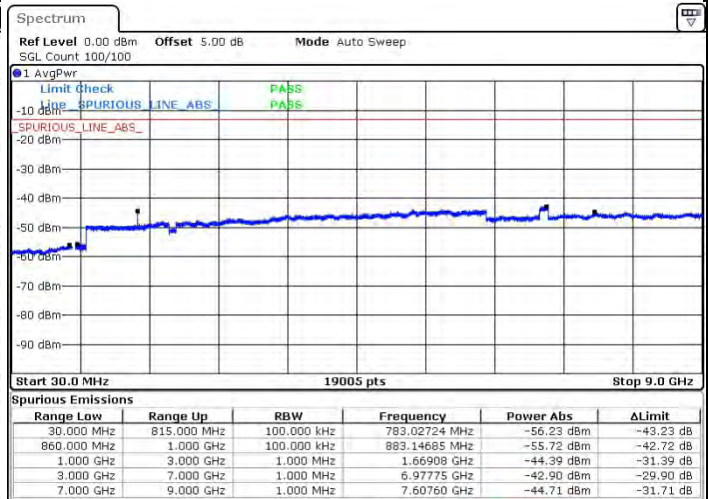
Date: 26 JUN 2015 20:18:51

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 26 JUN 2015 20:20:48



Date: 26 JUN 2015 20:21:59

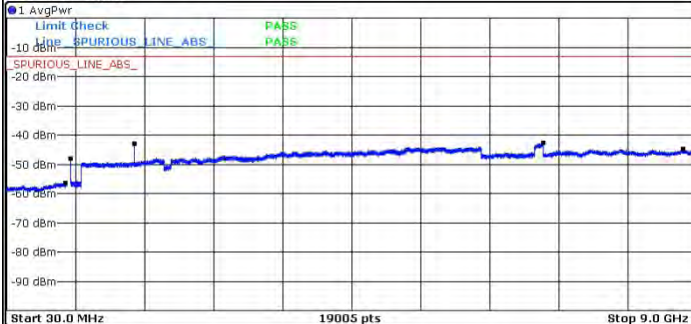


LTE Band 5 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM

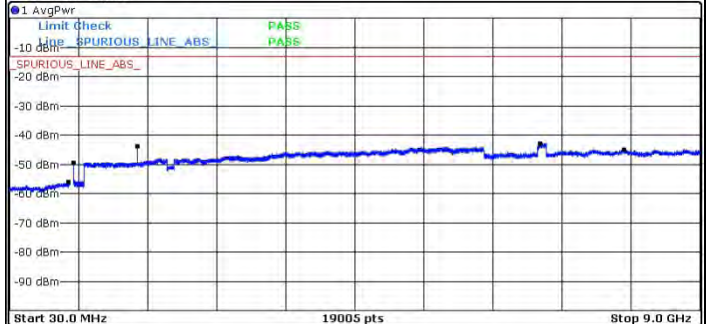
Spectrum

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

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	789.69640 MHz	-56.36 dBm	-43.36 dB
860.000 MHz	1.000 GHz	100.000 kHz	863.42657 MHz	-48.07 dBm	-35.07 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-43.00 dBm	-30.00 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-42.69 dBm	-29.69 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.81480 GHz	-44.85 dBm	-31.85 dB

Date: 26 JUN 2015 20:23:56

Spectrum

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

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	792.83483 MHz	-56.11 dBm	-43.11 dB
860.000 MHz	1.000 GHz	100.000 kHz	863.42657 MHz	-49.56 dBm	-36.56 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68908 GHz	-43.95 dBm	-30.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.92476 GHz	-42.92 dBm	-29.92 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00800 GHz	-45.01 dBm	-32.01 dB

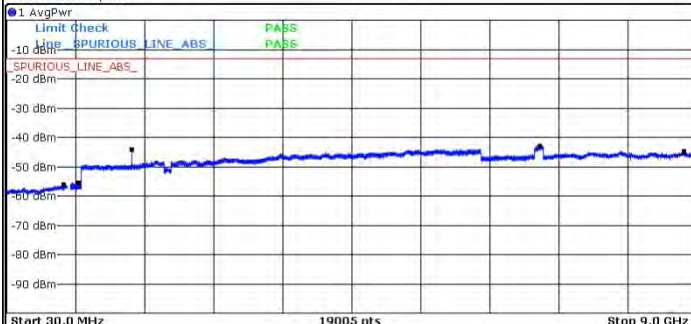
Date: 26 JUN 2015 20:25:06

LTE Band 5 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

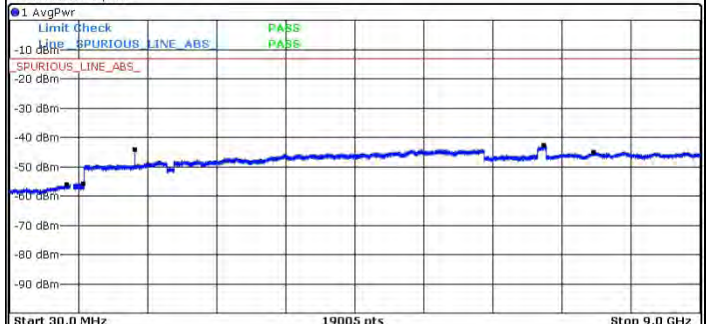
Spectrum

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

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	772.82734 MHz	-56.23 dBm	-43.23 dB
860.000 MHz	1.000 GHz	100.000 kHz	957.27273 MHz	-55.54 dBm	-42.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-44.09 dBm	-31.09 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96025 GHz	-42.88 dBm	-29.88 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.82479 GHz	-44.87 dBm	-31.87 dB

Date: 26 JUN 2015 20:27:04

Spectrum

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

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	772.82734 MHz	-56.06 dBm	-43.06 dB
860.000 MHz	1.000 GHz	100.000 kHz	986.08392 MHz	-55.86 dBm	-42.86 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.64959 GHz	-44.31 dBm	-31.31 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97025 GHz	-42.83 dBm	-29.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.61710 GHz	-45.01 dBm	-32.01 dB

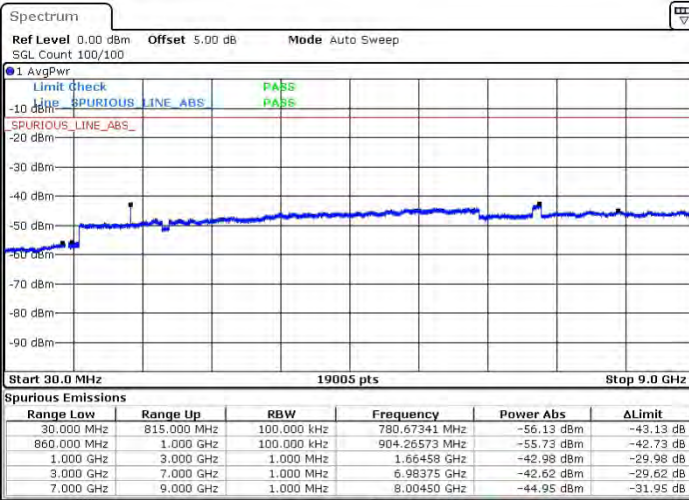
Date: 26 JUN 2015 20:28:14



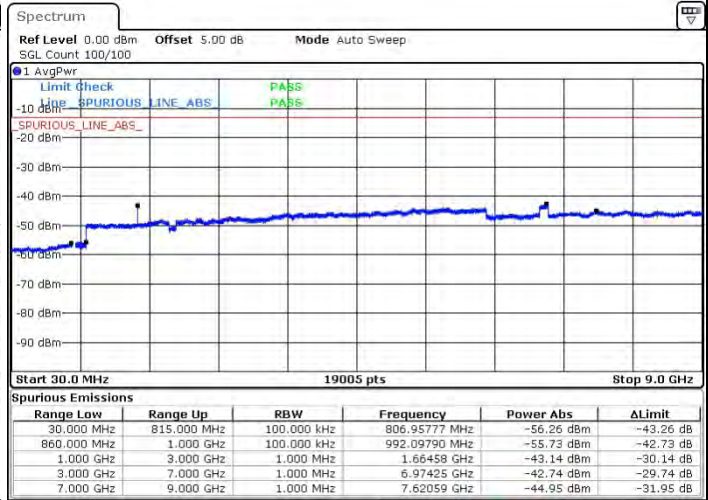
LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



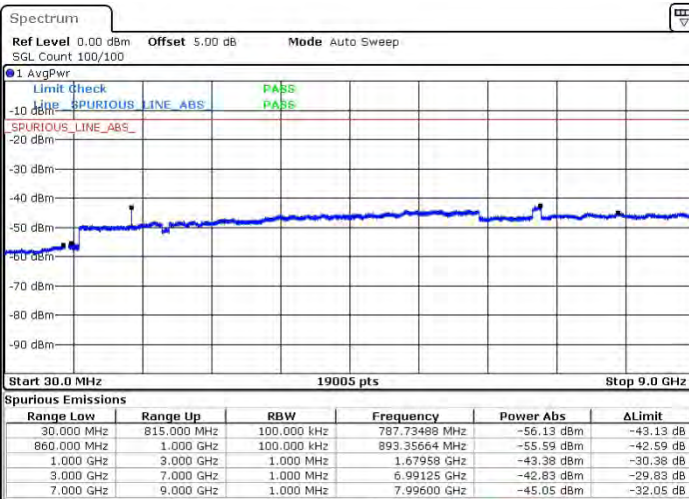
Date: 26 JUN 2015 20:30:11



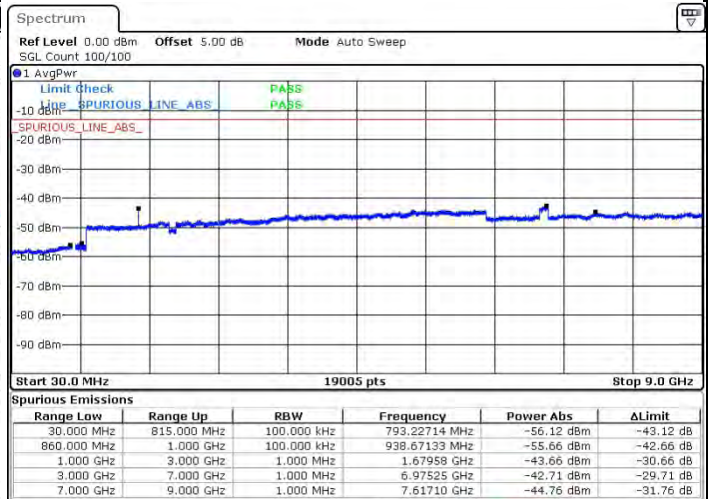
Date: 26 JUN 2015 20:31:22

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 JUN 2015 20:33:19



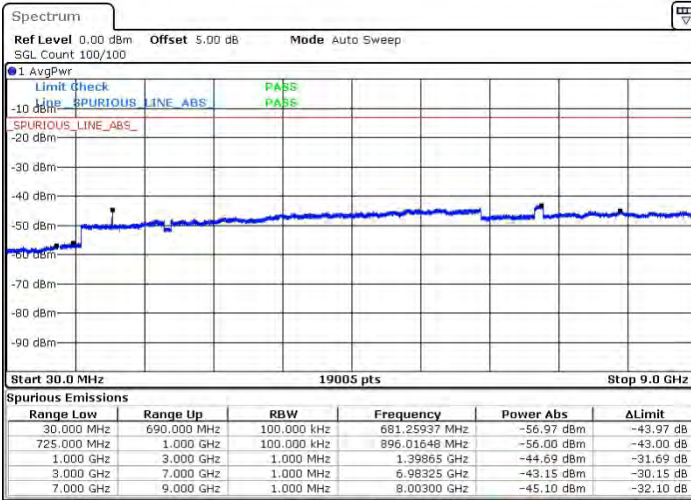
Date: 26 JUN 2015 20:34:29



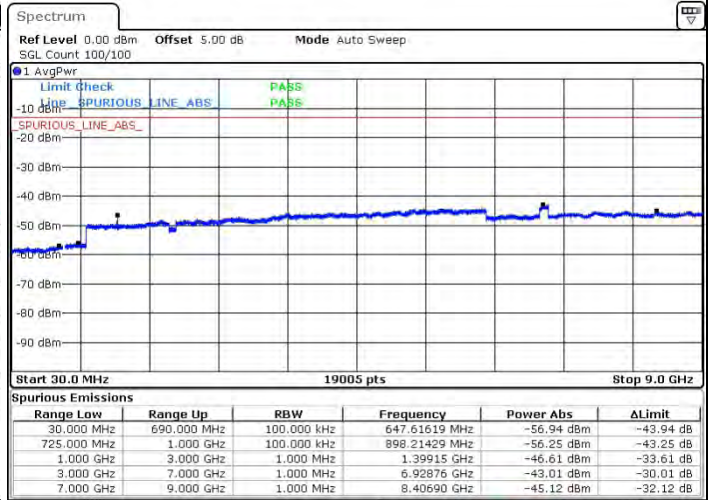
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



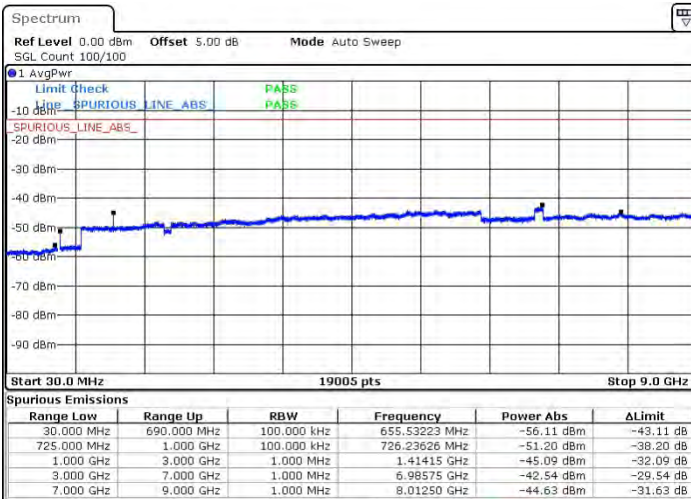
Date: 27 JUN 2015 09:39:41



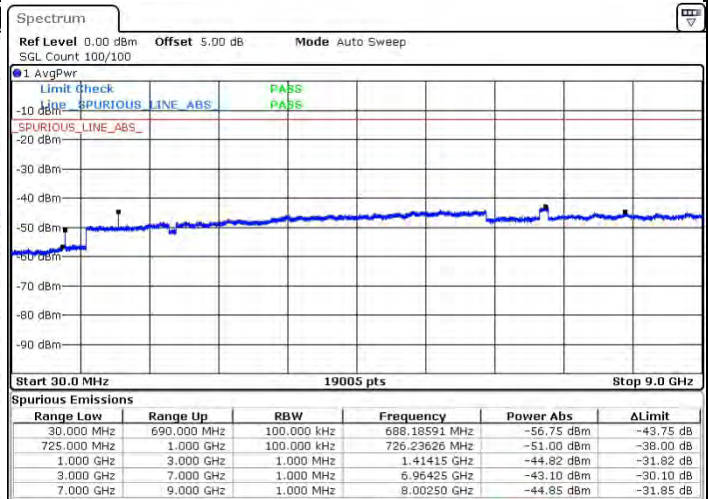
Date: 27 JUN 2015 09:40:52

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 27 JUN 2015 09:43:13

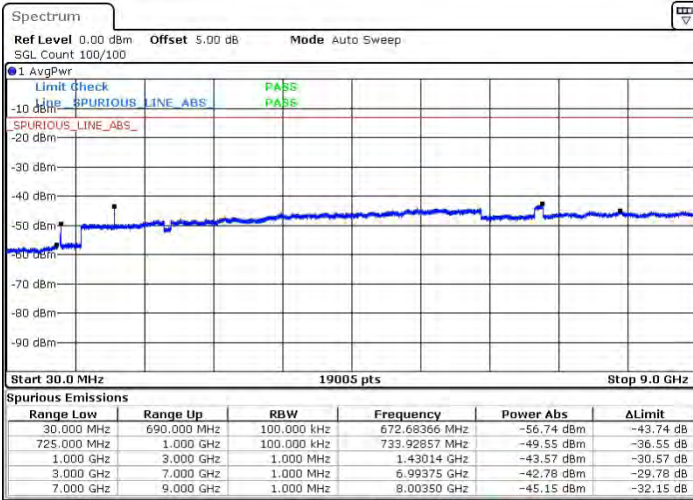


Date: 27 JUN 2015 09:42:02



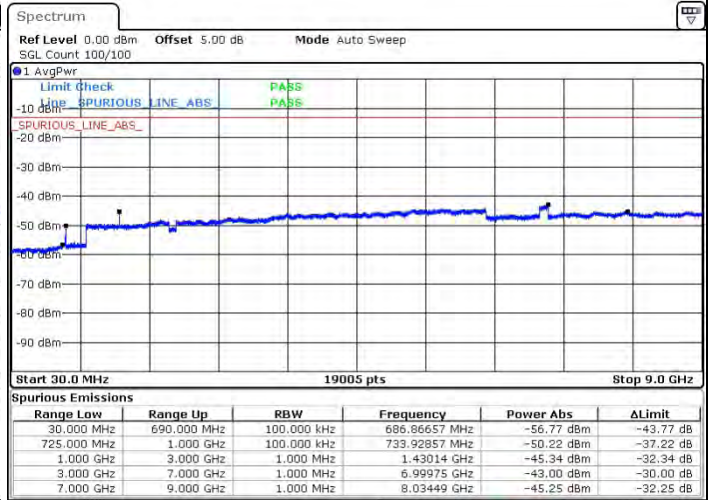
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 27 JUN 2015 09:44:23

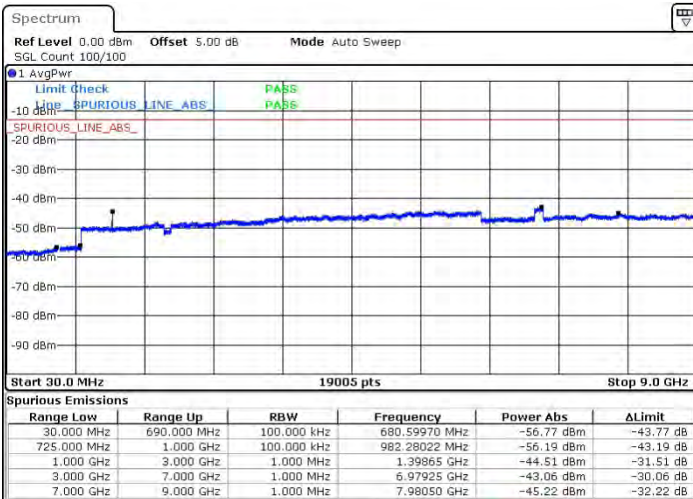
Highest Channel / 16QAM



Date: 27 JUN 2015 09:45:34

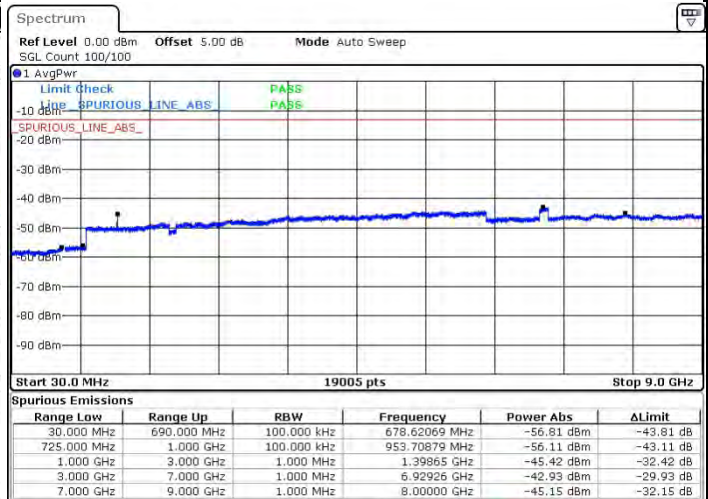
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 27 JUN 2015 09:49:03

Lowest Channel / 16QAM



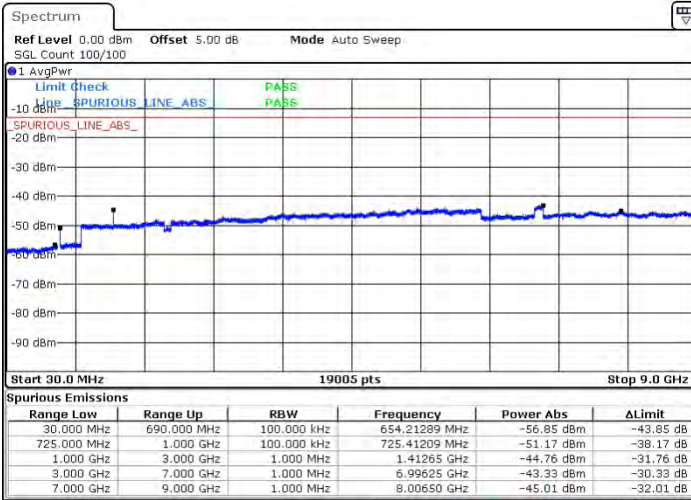
Date: 27 JUN 2015 09:50:14



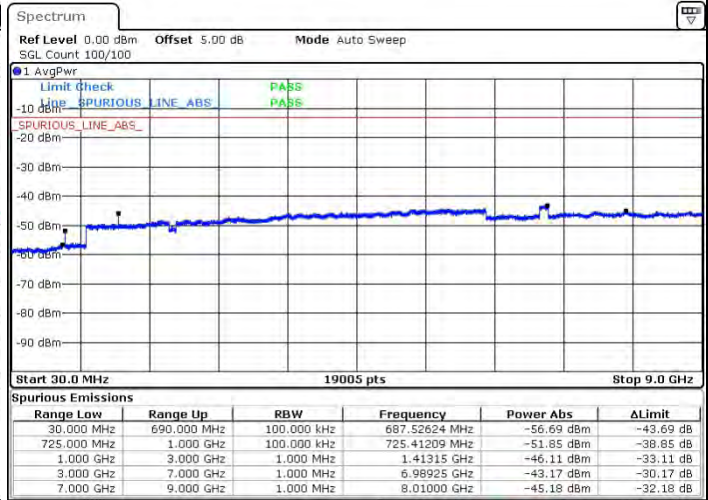
LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



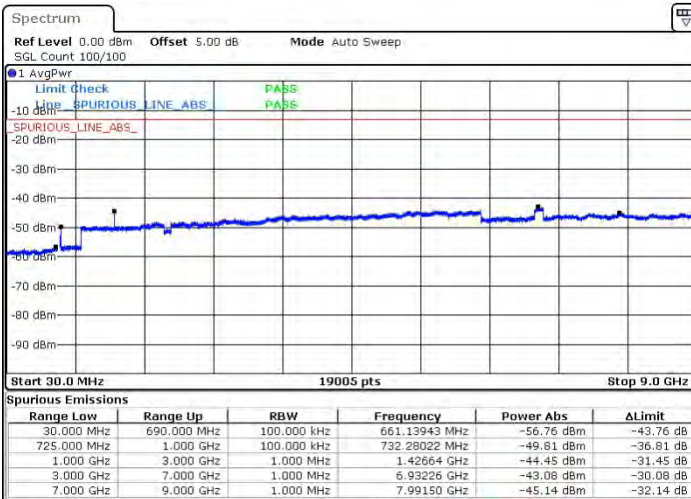
Date: 27 JUN 2015 09:52:35



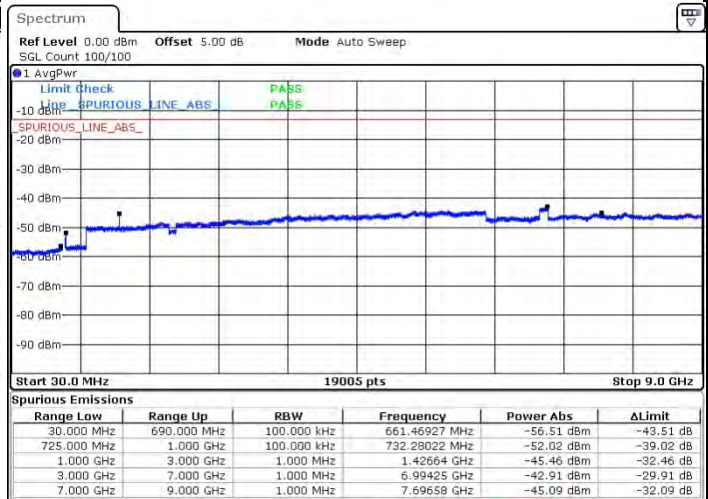
Date: 27 JUN 2015 09:51:24

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27 JUN 2015 09:53:45



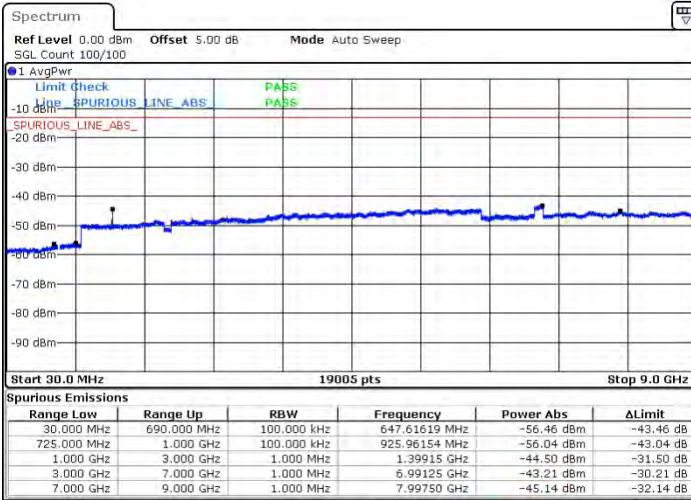
Date: 27 JUN 2015 09:54:55



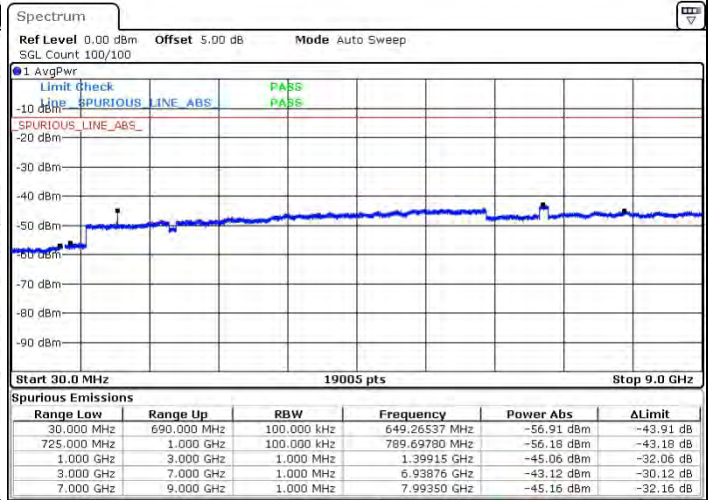
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



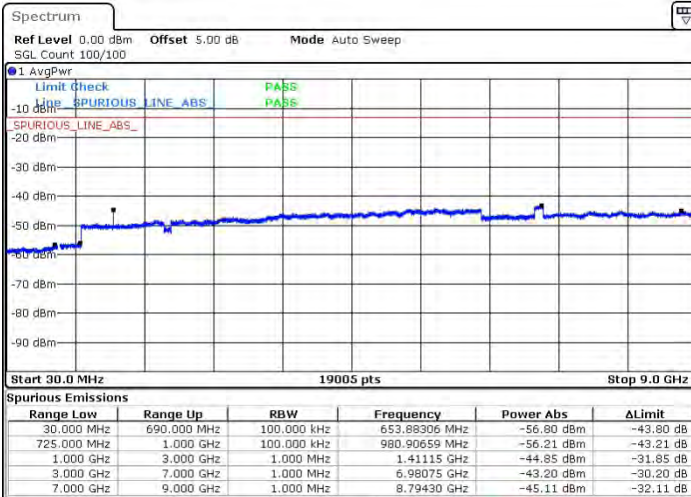
Date: 27 JUN 2015 09:59:36



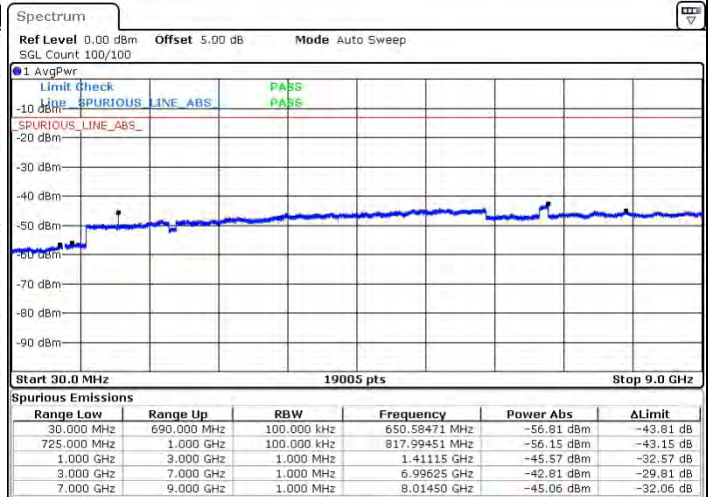
Date: 27 JUN 2015 09:58:25

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 27 JUN 2015 10:00:46



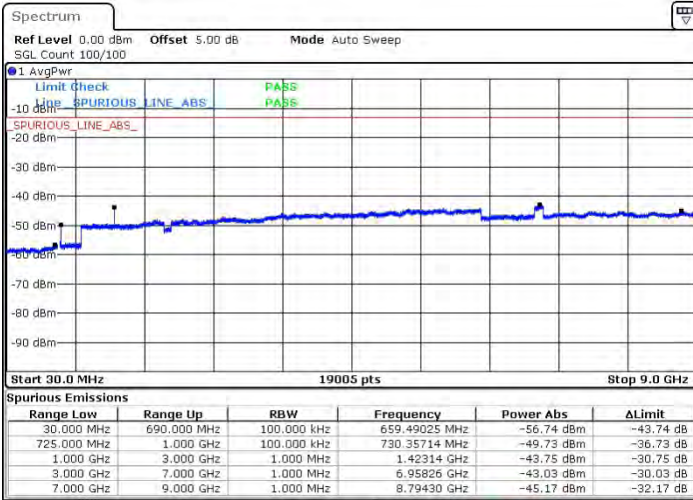
Date: 27 JUN 2015 10:01:57



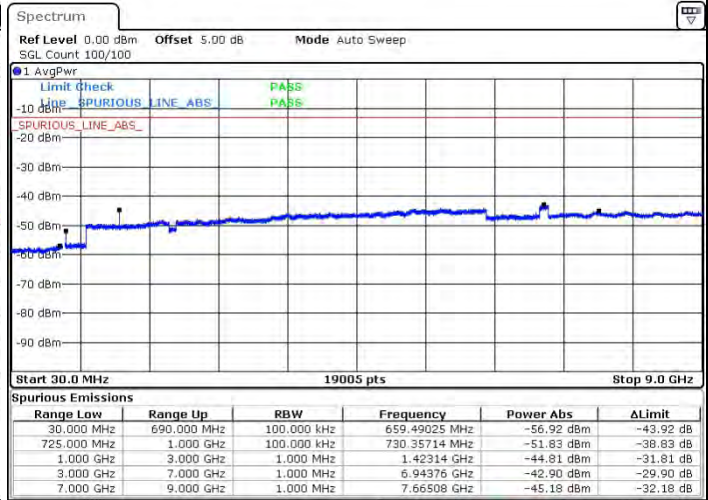
LTE Band 12 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27 JUN 2015 10:04:18

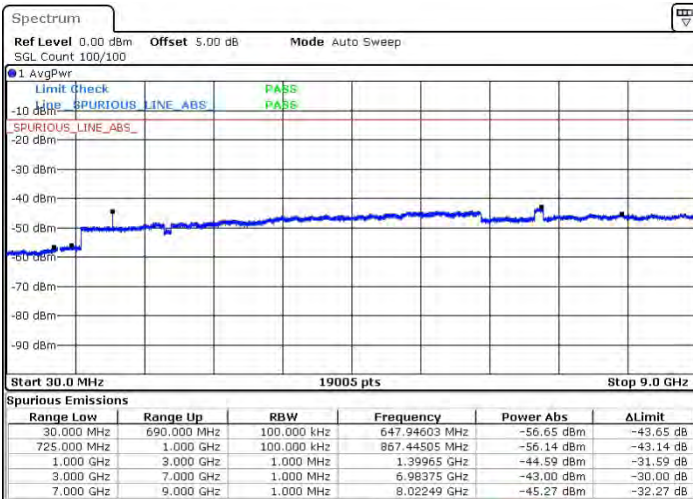


Date: 27 JUN 2015 10:03:07

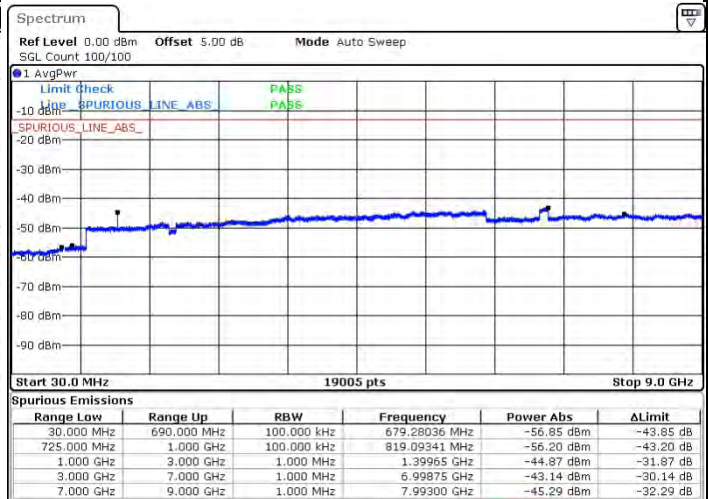
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 27 JUN 2015 10:07:48



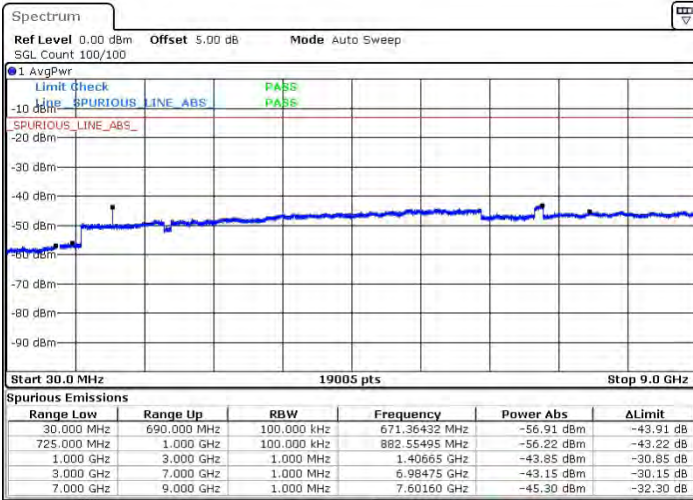
Date: 27 JUN 2015 10:08:58



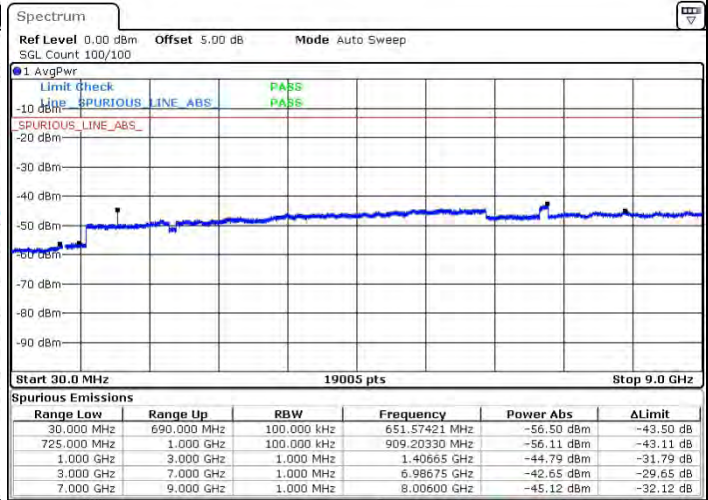
LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



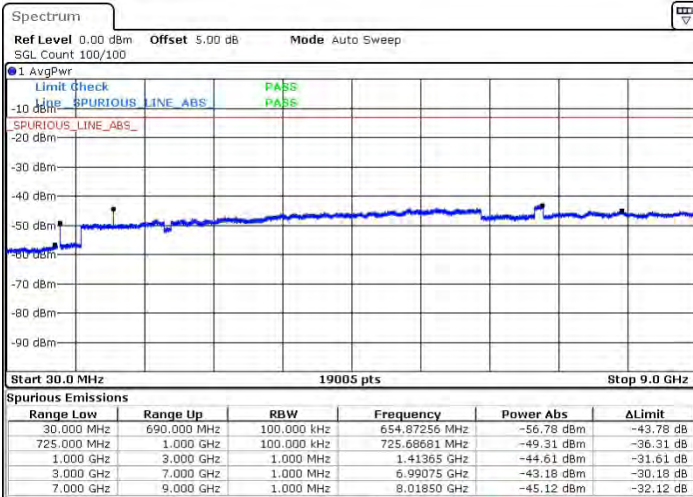
Date: 27 JUN 2015 10:11:19



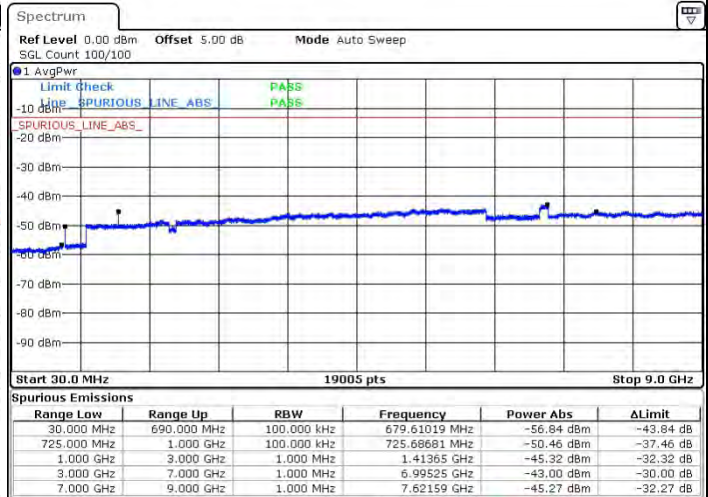
Date: 27 JUN 2015 10:10:08

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27 JUN 2015 10:12:29



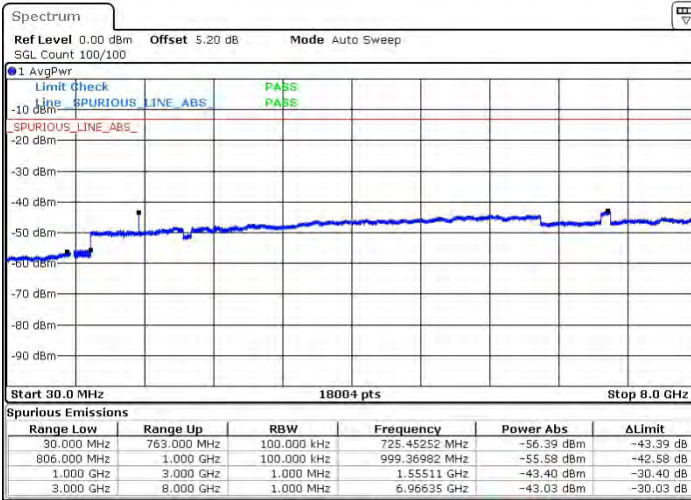
Date: 27 JUN 2015 10:13:40



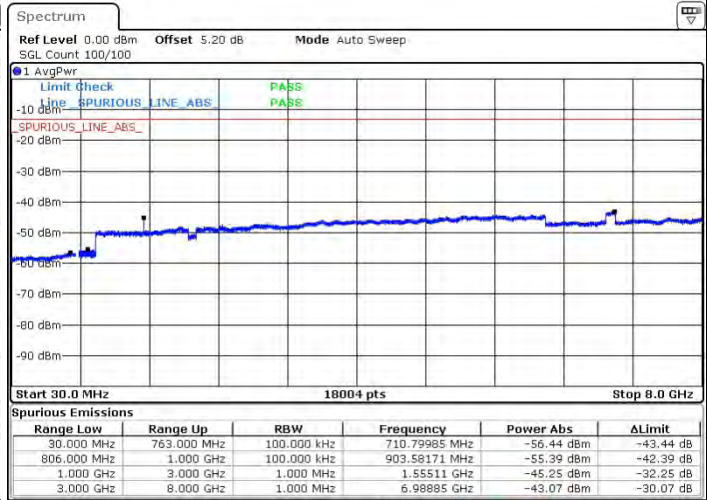
LTE Band 13 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



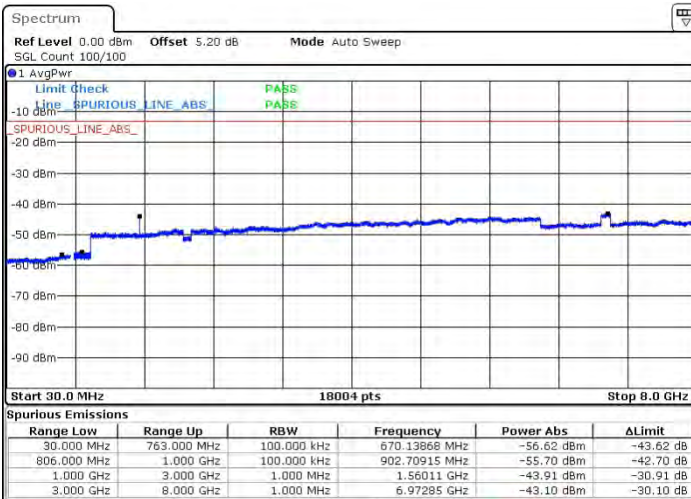
Date: 27 JUN 2015 19:49:04



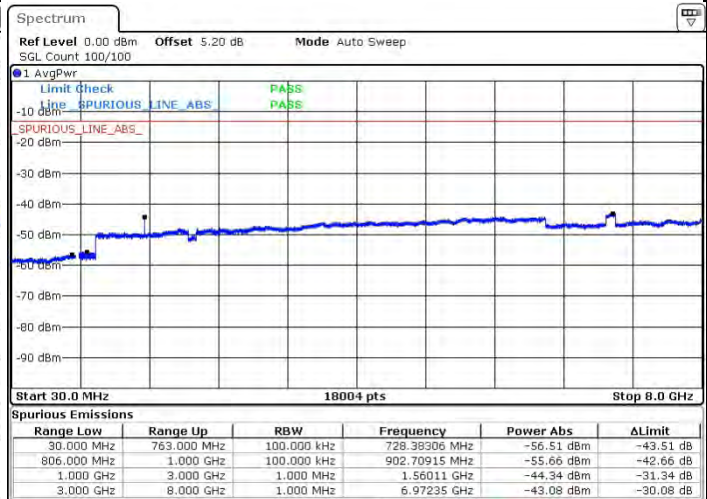
Date: 27 JUN 2015 19:47:54

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 27 JUN 2015 19:51:02



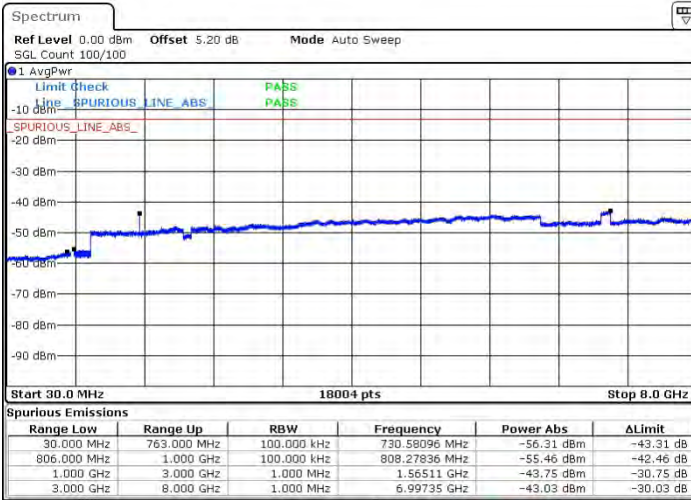
Date: 27 JUN 2015 19:52:12



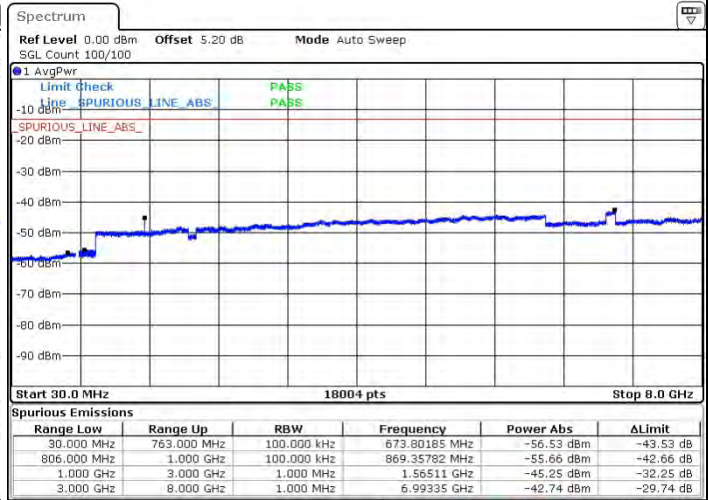
LTE Band 13 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 27 JUN 2015 19:59:56

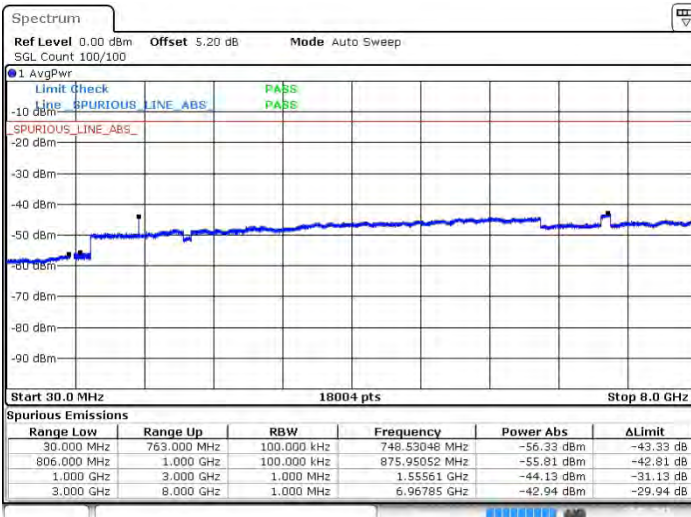


Date: 27 JUN 2015 19:58:46

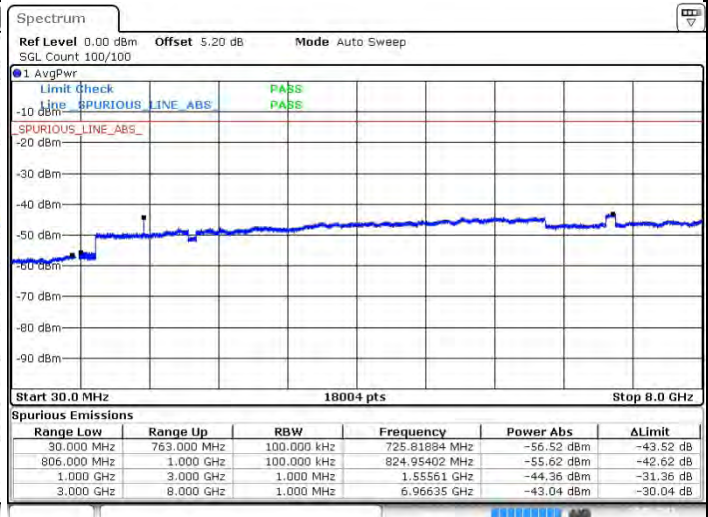
LTE Band 13 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 27 JUN 2015 20:01:07



Date: 27 JUN 2015 20:02:17

Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0069	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0085	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0059	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0064	

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.60 V. ; Maximum Voltage =4.35 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0084	PASS
40	Normal Voltage	0.0107	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0062	
0	Normal Voltage	0.0078	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0095	
-30	Normal Voltage	0.0061	
20	Maximum Voltage	0.0089	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0064	

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.60 V. ; Maximum Voltage =4.35 V
2. 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	0.0155	PASS
40	Normal Voltage	0.0114	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0108	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0096	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0030	
20	Normal Voltage	0.0120	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.60 V. ; Maximum Voltage =4.35 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0085	PASS
40	Normal Voltage	0.0170	
30	Normal Voltage	0.0071	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0155	
0	Normal Voltage	0.0057	
-10	Normal Voltage	0.0141	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0184	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0028	
20	Battery End Point	0.0099	

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.60 V. ; Maximum Voltage =4.35 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0179	PASS
40	Normal Voltage	0.0294	
30	Normal Voltage	0.0345	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0358	
-10	Normal Voltage	0.0128	
-20	Normal Voltage	0.0345	
-30	Normal Voltage	0.0448	
20	Maximum Voltage	0.0090	
20	Normal Voltage	0.0128	
20	Battery End Point	0.0422	

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.60 V. ; Maximum Voltage =4.35 V
2. 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 2 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	26.70	0.4677	24.56	0.2858
Middle		3	2	25.95	0.3936	24.01	0.2518
Highest		3	1	25.29	0.3381	23.41	0.2193
Lowest	16QAM	1	5	25.89	0.3882	23.61	0.2296
Middle		1	2	25.46	0.3516	23.48	0.2228
Highest		1	5	24.56	0.2858	22.98	0.1986
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	7	26.73	0.4710	24.58	0.2871
Middle		1	7	26.34	0.4305	24.35	0.2723
Highest		1	7	25.31	0.3396	24.14	0.2594
Lowest	16QAM	1	7	26.44	0.4406	23.86	0.2432
Middle		1	7	25.59	0.3622	23.64	0.2312
Highest		1	7	25.00	0.3162	23.19	0.2084
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	26.69	0.4667	24.37	0.2735
Middle		1	0	26.06	0.4036	24.12	0.2582
Highest		1	0	25.60	0.3631	23.67	0.2328
Lowest	16QAM	1	12	26.33	0.4295	23.80	0.2399
Middle		1	0	25.37	0.3443	23.43	0.2203
Highest		1	12	24.81	0.3027	23.00	0.1995
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	27.22	0.5272	24.80	0.3020
Middle		1	0	26.62	0.4592	24.64	0.2911
Highest		1	0	25.74	0.3750	24.03	0.2529
Lowest	16QAM	1	0	26.18	0.4150	23.72	0.2355
Middle		1	0	25.95	0.3936	23.53	0.2254
Highest		1	0	25.05	0.3199	23.24	0.2109
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	27.24	0.5297	25.02	0.3177
Middle		1	0	27.02	0.5035	24.94	0.3119
Highest		1	0	26.83	0.4819	24.90	0.3090
Lowest	16QAM	1	0	26.48	0.4446	23.93	0.2472
Middle		1	0	26.08	0.4055	23.91	0.2460
Highest		1	0	25.80	0.3802	23.78	0.2388
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	27.88	0.6138	25.04	0.3192
Middle		1	0	27.61	0.5768	25.30	0.3388
Highest		1	0	27.31	0.5383	25.25	0.3350
Lowest	16QAM	1	0	27.26	0.5321	24.68	0.2938
Middle		1	0	26.66	0.4634	24.55	0.2851
Highest		1	0	26.80	0.4786	24.41	0.2761
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	25.97	0.3954	23.25	0.2113
Middle		1	0	25.45	0.3508	23.11	0.2046
Highest		1	2	24.98	0.3148	23.31	0.2143
Lowest	16QAM	1	0	25.37	0.3443	22.61	0.1824
Middle		1	0	24.92	0.3105	22.29	0.1694
Highest		1	2	24.19	0.2624	22.40	0.1738
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	25.77	0.3776	23.26	0.2118
Middle		1	7	25.79	0.3793	23.32	0.2148
Highest		1	7	25.33	0.3412	23.39	0.2183
Lowest	16QAM	1	7	25.43	0.3491	22.64	0.1837
Middle		1	7	25.16	0.3281	22.76	0.1888
Highest		1	7	24.73	0.2972	22.81	0.1910
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	26.02	0.3999	23.39	0.2183
Middle		1	0	25.92	0.3908	23.42	0.2198
Highest		1	0	25.62	0.3648	23.82	0.2410
Lowest	16QAM	1	12	25.19	0.3304	22.80	0.1905
Middle		1	12	25.02	0.3177	22.60	0.1820
Highest		1	0	24.58	0.2871	22.70	0.1862
Limit	EIRP < 1W			Result		PASS	



LTE Band 4/ 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	25.90	0.3890	23.50	0.2239
Middle		1	0	26.12	0.4093	23.69	0.2339
Highest		1	0	25.46	0.3516	23.56	0.2270
Lowest	16QAM	1	0	25.15	0.3273	22.90	0.1950
Middle		1	0	25.19	0.3304	22.78	0.1897
Highest		1	0	24.57	0.2864	22.69	0.1858
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	26.67	0.4645	24.01	0.2518
Middle		1	0	26.38	0.4345	24.21	0.2636
Highest		1	0	26.49	0.4457	24.47	0.2799
Lowest	16QAM	1	0	25.43	0.3491	23.16	0.2070
Middle		1	0	25.69	0.3707	23.48	0.2228
Highest		1	0	25.62	0.3648	23.62	0.2301
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	26.48	0.4446	23.97	0.2495
Middle		1	0	26.45	0.4416	24.09	0.2564
Highest		1	0	26.64	0.4613	23.69	0.2339
Lowest	16QAM	1	0	26.45	0.4416	24.09	0.2564
Middle		1	0	25.95	0.3936	23.52	0.2249
Highest		1	0	26.84	0.4831	23.78	0.2388
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	19.74	0.0942	6.54	0.0045
Middle		1	2	19.50	0.0891	6.70	0.0047
Highest		1	0	19.13	0.0818	6.97	0.0050
Lowest	16QAM	1	5	18.92	0.0780	5.39	0.0035
Middle		1	0	18.74	0.0748	5.72	0.0037
Highest		1	2	18.42	0.0695	6.15	0.0041
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	7	20.46	0.1112	7.45	0.0056
Middle		1	0	20.14	0.1033	7.65	0.0058
Highest		1	7	19.99	0.0998	7.69	0.0059
Lowest	16QAM	1	7	19.56	0.0904	6.88	0.0049
Middle		1	0	19.12	0.0817	6.77	0.0048
Highest		1	7	19.11	0.0815	7.02	0.0050
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	20.41	0.1099	7.65	0.0058
Middle		1	24	19.84	0.0964	7.60	0.0058
Highest		1	0	19.77	0.0948	7.44	0.0055
Lowest	16QAM	1	12	19.53	0.0897	6.88	0.0049
Middle		1	12	19.43	0.0877	6.88	0.0049
Highest		1	12	19.10	0.0813	6.99	0.0050
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	19.95	0.0989	7.17	0.0052
Middle		1	0	19.90	0.0977	7.44	0.0055
Highest		1	0	19.73	0.0940	7.62	0.0058
Lowest	16QAM	1	0	19.29	0.0849	6.40	0.0044
Middle		1	0	19.18	0.0828	6.70	0.0047
Highest		1	0	19.06	0.0805	6.64	0.0046
Limit	ERP < 7W			Result		PASS	



LTE Band 12 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	20.54	0.1132	4.51	0.0028
Middle		3	2	19.98	0.0995	4.31	0.0027
Highest		3	1	20.36	0.1086	4.88	0.0031
Lowest	16QAM	1	0	19.73	0.0940	3.98	0.0025
Middle		1	0	19.42	0.0875	3.60	0.0023
Highest		1	5	19.59	0.0910	4.13	0.0026
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	19.67	0.0927	3.81	0.0024
Middle		1	7	20.10	0.1023	4.37	0.0027
Highest		1	7	20.55	0.1135	4.58	0.0029
Lowest	16QAM	1	7	18.96	0.0787	3.18	0.0021
Middle		1	7	19.88	0.0973	3.47	0.0022
Highest		1	14	19.63	0.0918	3.90	0.0025
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	19.91	0.0979	4.11	0.0026
Middle		1	0	20.21	0.1050	4.24	0.0027
Highest		1	12	20.32	0.1076	4.59	0.0029
Lowest	16QAM	1	0	18.87	0.0771	3.12	0.0021
Middle		1	12	19.45	0.0881	3.54	0.0023
Highest		1	24	19.48	0.0887	3.95	0.0025
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	20.01	0.1002	4.36	0.0027
Middle		1	49	20.32	0.1076	4.23	0.0026
Highest		1	49	20.18	0.1042	4.63	0.0029
Lowest	16QAM	1	49	19.17	0.0826	3.42	0.0022
Middle		1	0	19.29	0.0849	3.33	0.0022
Highest		1	49	19.77	0.0948	4.24	0.0027
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	21.72	0.1486	8.04	0.0064
Middle		1	12	21.10	0.1288	7.52	0.0056
Highest		1	24	20.96	0.1247	7.65	0.0058
Lowest	16QAM	1	0	20.70	0.1175	7.18	0.0052
Middle		1	24	20.66	0.1164	7.00	0.0050
Highest		1	0	20.68	0.1169	7.19	0.0052
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	-	-	-	-
Middle		1	0	21.29	0.1346	8.17	0.0066
Highest		1	0	-	-	-	-
Lowest	16QAM	1	0	-	-	-	-
Middle		1	0	20.72	0.1180	7.41	0.0055
Highest		1	0	-	-	-	-
Limit	ERP < 3W			Result		PASS	



Radiated Spurious Emission

LTE Band 2 / 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	3759	-40.33	-13	-27.33	-58.09	-44.93	3	7.60	H
	5639	-43.87	-13	-30.87	-57.66	-50.13	3.84	10.10	H
	7518	-32.10	-13	-19.10	-53.80	-39.60	4.43	11.93	H
	9396	-37.81	-13	-24.81	-57.07	-45.47	4.92	12.58	H
	3759	-47.16	-13	-34.16	-60.39	-51.76	3	7.60	V
	5639	-48.45	-13	-35.45	-60.86	-54.71	3.84	10.10	V
	7518	-41.17	-13	-28.17	-58.96	-48.67	4.43	11.93	V
	9396	-38.57	-13	-25.57	-59.38	-46.23	4.92	12.58	V

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

LTE Band 2 / 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	3756	-42.96	-13	-29.96	-59.50	-47.56	3	7.60	H
	5636	-46.87	-13	-33.87	-60.66	-53.13	3.84	10.10	H
	7515	-38.03	-13	-25.03	-57.81	-45.53	4.43	11.93	H
	9393	-38.72	-13	-25.72	-57.98	-46.38	4.92	12.58	H
	3756	-51.25	-13	-38.25	-63.74	-55.85	3	7.60	V
	5636	-49.59	-13	-36.59	-62	-55.85	3.84	10.10	V
	7515	-41.95	-13	-28.95	-59.74	-49.45	4.43	11.93	V
	9393	-38.32	-13	-25.32	-59.13	-45.98	4.92	12.58	V

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



LTE Band 2 / 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	3756	-42.92	-13	-29.92	-59.48	-47.52	3	7.60	H
	5634	-47.28	-13	-34.28	-61.07	-53.54	3.84	10.10	H
	7512	-36.96	-13	-23.96	-56.74	-44.46	4.43	11.93	H
	9390	-38.54	-13	-25.54	-57.80	-46.20	4.92	12.58	H
	3756	-49.36	-13	-36.36	-61.85	-53.96	3	7.60	V
	5634	-49.14	-13	-36.14	-61.55	-55.40	3.84	10.10	V
	7512	-42.60	-13	-29.60	-60.39	-50.10	4.43	11.93	V
	9390	-39.05	-13	-26.05	-59.86	-46.71	4.92	12.58	V

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

LTE Band 2 / 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	3750	-49.81	-13	-36.81	-64.01	-54.41	3	7.60	H
	5627	-48.43	-13	-35.43	-62.22	-54.69	3.84	10.10	H
	7503	-40.03	-13	-27.03	-59.81	-47.53	4.43	11.93	H
	9378	-39.00	-13	-26.00	-58.26	-46.66	4.92	12.58	H
	3750	-48.21	-13	-35.21	-60.7	-52.81	3	7.60	V
	5628	-45.65	-13	-32.65	-58.06	-51.91	3.84	10.10	V
	7503	-45.16	-13	-32.16	-62.95	-52.66	4.43	11.93	V
	9378	-39.21	-13	-26.21	-60.02	-46.87	4.92	12.58	V

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



LTE Band 2 / 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	3747	-45.51	-13	-32.51	-60.33	-50.11	3	7.60	H
	5621	-47.59	-13	-34.59	-61.38	-53.85	3.84	10.10	H
	7494	-37.35	-13	-24.35	-57.13	-44.85	4.43	11.93	H
	9366	-37.37	-13	-24.37	-56.63	-45.03	4.92	12.58	H
	3747	-51.13	-13	-38.13	-63.62	-55.73	3	7.60	V
	5621	-48.14	-13	-35.14	-60.55	-54.40	3.84	10.10	V
	7494	-41.79	-13	-28.79	-59.58	-49.29	4.43	11.93	V
	9366	-39.06	-13	-26.06	-59.87	-46.72	4.92	12.58	V

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

LTE Band 2 / 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	3741	-47.24	-13	-34.24	-61.44	-51.84	3	7.60	H
	5613	-47.69	-13	-34.69	-61.48	-53.95	3.84	10.10	H
	7485	-38.02	-13	-25.02	-57.80	-45.52	4.43	11.93	H
	9354	-38.59	-13	-25.59	-57.85	-46.25	4.92	12.58	H
	3741	-51.51	-13	-38.51	-64	-56.11	3	7.60	V
	5613	-49.43	-13	-36.43	-61.84	-55.69	3.84	10.10	V
	7485	-41.22	-13	-28.22	-59.01	-48.72	4.43	11.93	V
	9354	-38.00	-13	-25.00	-58.81	-45.66	4.92	12.58	V

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



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	-50.84	-13	-37.84	-64.97	-55.21	3.12	7.49	H
	5196	-49.73	-13	-36.73	-62.88	-55.53	3.65	9.45	H
	6927	-42.04	-13	-29.04	-58.90	-49.24	4.15	11.35	H
	8661	-33.05	-13	-20.05	-56.31	-41.84	4.65	13.44	H
	3465	-52.84	-13	-39.84	-65.66	-57.21	3.12	7.49	V
	5196	-49.30	-13	-36.30	-63.31	-55.10	3.65	9.45	V
	6927	-45.10	-13	-32.10	-60.35	-52.30	4.15	11.35	V
	8661	-39.97	-13	-26.97	-59.13	-48.76	4.65	13.44	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	-49.83	-13	-36.83	-63.96	-54.20	3.12	7.49	H
	5193	-47.92	-13	-34.92	-61.07	-53.72	3.65	9.45	H
	6924	-35.46	-13	-22.46	-54.06	-42.66	4.15	11.35	H
	8658	-32.02	-13	-19.02	-55.28	-40.81	4.65	13.44	H
	3462	-52.34	-13	-39.34	-65.16	-56.71	3.12	7.49	V
	5193	-49.37	-13	-36.37	-63.38	-55.17	3.65	9.45	V
	6924	-44.93	-13	-31.93	-60.18	-52.13	4.15	11.35	V
	8658	-40.20	-13	-27.20	-59.36	-48.99	4.65	13.44	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	-48.92	-13	-35.92	-63.05	-53.29	3.12	7.49	H
	5190	-49.44	-13	-36.44	-62.59	-55.24	3.65	9.45	H
	6921	-37.07	-13	-24.07	-55.08	-44.27	4.15	11.35	H
	8655	-32.86	-13	-19.86	-56.12	-41.65	4.65	13.44	H
	3462	-53.22	-13	-40.22	-66.04	-57.59	3.12	7.49	V
	5190	-47.29	-13	-34.29	-61.3	-53.09	3.65	9.45	V
	6921	-43.95	-13	-30.95	-59.2	-51.15	4.15	11.35	V
	8655	-39.93	-13	-26.93	-59.09	-48.72	4.65	13.44	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	-48.87	-13	-35.87	-63.00	-53.24	3.12	7.49	H
	5184.5	-47.55	-13	-34.55	-60.70	-53.35	3.65	9.45	H
	6912	-45.20	-13	-32.20	-62.06	-52.40	4.15	11.35	H
	8640	-37.04	-13	-24.04	-60.30	-45.83	4.65	13.44	H
	3456	-52.08	-13	-39.08	-64.9	-56.45	3.12	7.49	V
	5184.5	-47.80	-13	-34.80	-61.81	-53.60	3.65	9.45	V
	6912	-45.82	-13	-32.82	-61.07	-53.02	4.15	11.35	V
	8643	-40.98	-13	-27.98	-60.14	-49.77	4.65	13.44	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	3453	-52.34	-13	-39.34	-66.47	-56.71	3.12	7.49	H
	5178	-47.53	-13	-34.53	-60.68	-53.33	3.65	9.45	H
	6903	-35.40	-13	-22.40	-54.02	-42.60	4.15	11.35	H
	8631	-33.38	-13	-20.38	-56.64	-42.17	4.65	13.44	H
	3450	-52.18	-13	-39.18	-65	-56.55	3.12	7.49	V
	5178	-48.54	-13	-35.54	-62.55	-54.34	3.65	9.45	V
	6903	-45.73	-13	-32.73	-60.98	-52.93	4.15	11.35	V
	8631	-40.59	-13	-27.59	-59.75	-49.38	4.65	13.44	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	-50.07	-13	-37.07	-64.20	-54.44	3.12	7.49	H
	5171	-47.54	-13	-34.54	-60.69	-53.34	3.65	9.45	H
	6894	-39.55	-13	-26.55	-56.41	-46.75	4.15	11.35	H
	8622	-35.30	-13	-22.30	-58.56	-44.09	4.65	13.44	H
	3441	-50.78	-13	-37.78	-63.6	-55.15	3.12	7.49	V
	5171	-49.29	-13	-36.29	-63.3	-55.09	3.65	9.45	V
	6894	-45.87	-13	-32.87	-61.12	-53.07	4.15	11.35	V
	8618	-40.73	-13	-27.73	-59.89	-49.52	4.65	13.44	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)	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	1672	-56.72	-13	-43.72	-58.90	-58.61	1.86	5.90	H
	2508	-55.78	-13	-42.78	-64.81	-58.12	2.31	6.80	H
	3345	-51.65	-13	-38.65	-64.28	-54.05	2.85	7.40	H
	1672	-60.83	-13	-47.83	-59.69	-62.72	1.86	5.90	V
	2508	-53.04	-13	-40.04	-64.01	-55.38	2.31	6.80	V
	3345	-52.10	-13	-39.10	-66.08	-54.50	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	-56.01	-13	-43.01	-58.19	-57.90	1.86	5.90	H
	2504	-54.47	-13	-41.47	-63.50	-56.81	2.31	6.80	H
	3342	-51.83	-13	-38.83	-64.46	-54.23	2.85	7.40	H
	1670	-60.32	-13	-47.32	-59.18	-62.21	1.86	5.90	V
	2504	-49.21	-13	-36.21	-60.18	-51.55	2.31	6.80	V
	3339	-50.78	-13	-37.78	-64.76	-53.18	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	-57.00	-13	-44.00	-59.18	-58.89	1.86	5.90	H
	2504	-54.76	-13	-41.76	-63.79	-57.10	2.31	6.80	H
	3339	-53.28	-13	-40.28	-65.91	-55.68	2.85	7.40	H
	1668	-59.10	-13	-46.10	-57.96	-60.99	1.86	5.90	V
	2504	-48.83	-13	-35.83	-59.80	-51.17	2.31	6.80	V
	3342	-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 / 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	-55.54	-13	-42.54	-57.72	-57.43	1.86	5.90	H
	2492	-53.23	-13	-40.23	-62.26	-55.57	2.31	6.80	H
	3327	-52.61	-13	-39.61	-65.24	-55.01	2.85	7.40	H
	1664	-59.58	-13	-46.58	-58.44	-61.47	1.86	5.90	V
	2496	-50.39	-13	-37.39	-61.36	-52.73	2.31	6.80	V
	3327	-50.37	-13	-37.37	-64.35	-52.77	2.85	7.40	V

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



LTE Band 12 / 1.4MHz / 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	1414	-61.32	-13	-48.32	-57.74	-62.30	1.75	4.88	H
	2121	-55.21	-13	-42.21	-61.22	-56.83	2.16	5.93	H
	2828.56	-54.50	-13	-41.50	-64.92	-56.53	2.48	6.66	H
	1414	-59.26	-13	-46.26	-57.73	-60.24	1.75	4.88	V
	2121	-52.83	-13	-39.83	-60.81	-54.45	2.16	5.93	V
	2828.56	-53.17	-13	-40.17	-64.68	-55.20	2.48	6.66	V

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

LTE Band 12 / 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	1412	-61.36	-13	-48.36	-57.78	-62.34	1.75	4.88	H
	2116	-54.97	-13	-41.97	-60.98	-56.59	2.16	5.93	H
	2822	-53.96	-13	-40.96	-64.38	-55.99	2.48	6.66	H
	1411	-59.34	-13	-46.34	-57.81	-60.32	1.75	4.88	V
	2116.5	-52.23	-13	-39.23	-60.21	-53.85	2.16	5.93	V
	2822	-53.23	-13	-40.23	-64.74	-55.26	2.48	6.66	V

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



LTE Band 12 / 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	1412	-61.42	-13	-48.42	-57.84	-62.40	1.75	4.88	H
	2116	-55.69	-13	-42.69	-61.70	-57.31	2.16	5.93	H
	2822	-55.51	-13	-42.51	-65.93	-57.54	2.48	6.66	H
	1412	-59.04	-13	-46.04	-57.51	-60.02	1.75	4.88	V
	2116.56	-53.33	-13	-40.33	-61.31	-54.95	2.16	5.93	V
	2822	-53.33	-13	-40.33	-64.84	-55.36	2.48	6.66	V

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

LTE Band 12 / 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	1406	-61.09	-13	-48.09	-57.51	-62.07	1.75	4.88	H
	2109	-54.98	-13	-41.98	-60.99	-56.60	2.16	5.93	H
	2812.7	-54.25	-13	-41.25	-64.67	-56.28	2.48	6.66	H
	2109	-53.41	-13	-40.41	-61.39	-55.03	2.16	5.93	V
	2812.7	-53.50	-13	-40.50	-65.01	-55.53	2.48	6.66	V

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



LTE Band 13 / 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	1560	-61.53	-40	-21.53	-57.95	-62.51	1.75	4.88	H
	2340	-56.09	-13	-43.09	-62.10	-57.71	2.16	5.93	H
	3120	-54.97	-13	-41.97	-65.39	-57.00	2.48	6.66	H
	1560	-59.27	-40	-19.27	-57.74	-60.25	1.75	4.88	V
	2340	-55.01	-13	-42.01	-62.99	-56.63	2.16	5.93	V
	3120	-53.91	-13	-40.91	-65.42	-55.94	2.48	6.66	V

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

LTE Band 13 / 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	1556	-61.18	-13	-48.18	-57.60	-62.16	1.75	4.88	H
	2333	-56.58	-13	-43.58	-62.59	-58.20	2.16	5.93	H
	3111	-54.26	-13	-41.26	-64.68	-56.29	2.48	6.66	H
	1555	-59.52	-13	-46.52	-57.99	-60.50	1.75	4.88	V
	2332	-55.46	-13	-42.46	-63.44	-57.08	2.16	5.93	V
	3111	-53.51	-13	-40.51	-65.02	-55.54	2.48	6.66	V

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