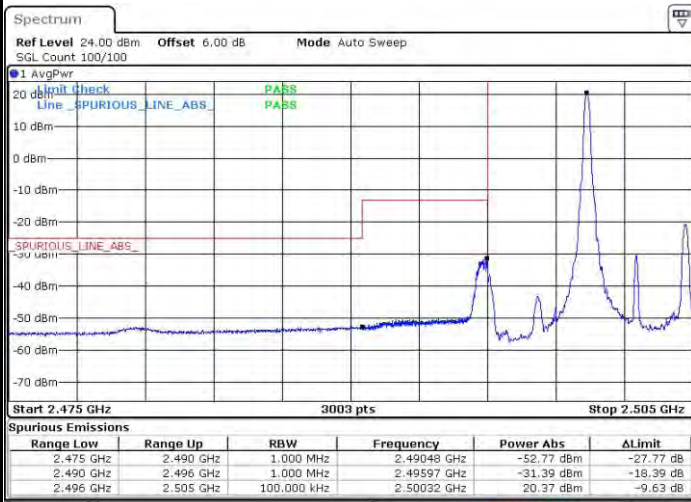




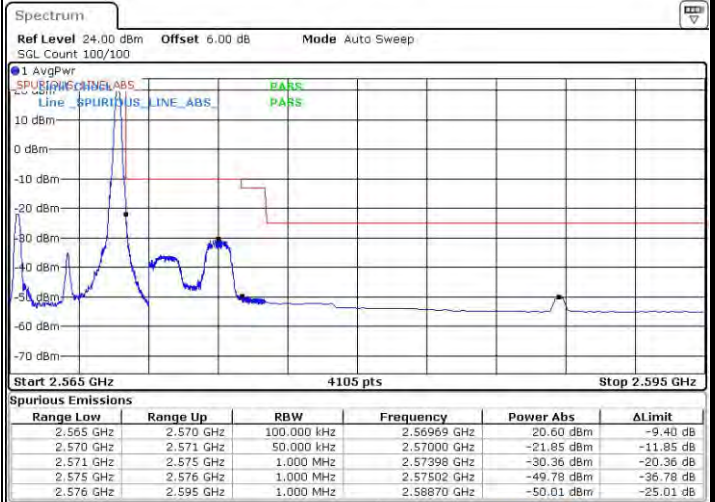
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 16 AUG 2015 16:26:32

Highest Band Edge / 1 RB



Date: 16 AUG 2015 16:50:27

Lowest Band Edge / Full RB



Date: 16 AUG 2015 16:40:14

Highest Band Edge / Full RB



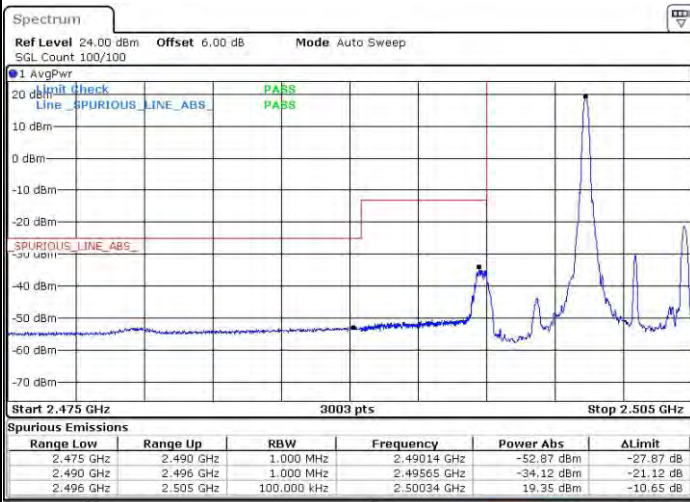
Date: 16 AUG 2015 16:53:18



LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 16 AUG 2015 16:27:40



Date: 16 AUG 2015 16:51:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 AUG 2015 16:41:23

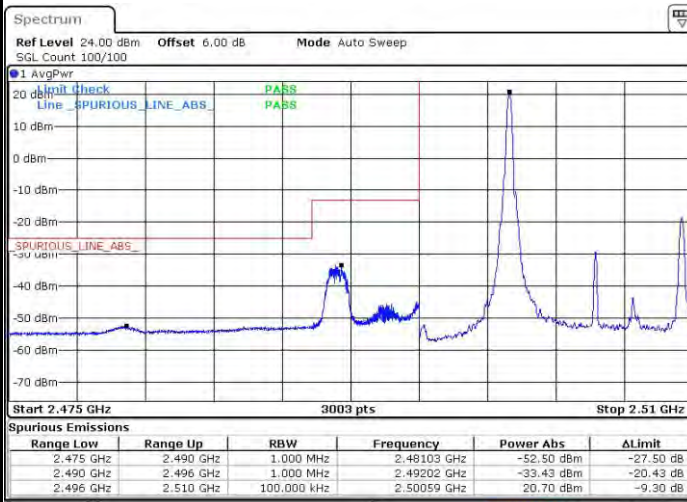


Date: 16 AUG 2015 16:54:27



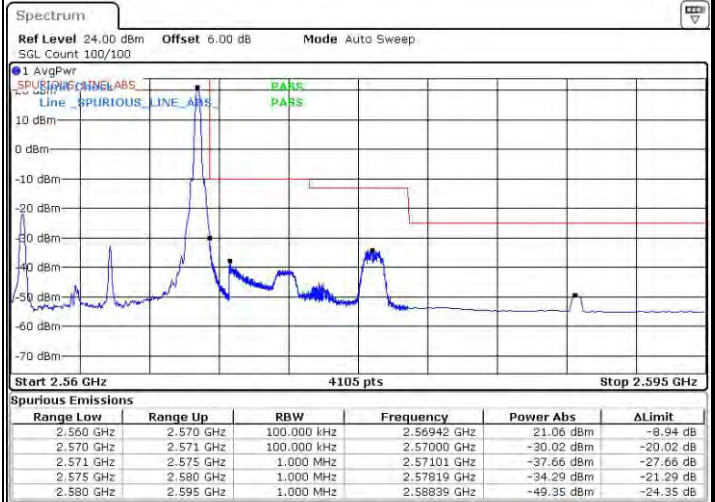
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



Date: 16 AUG 2015 17:00:46

Highest Band Edge / 1 RB



Date: 16 AUG 2015 17:13:33

Lowest Band Edge / Full RB



Date: 16 AUG 2015 17:03:03

Highest Band Edge / Full RB

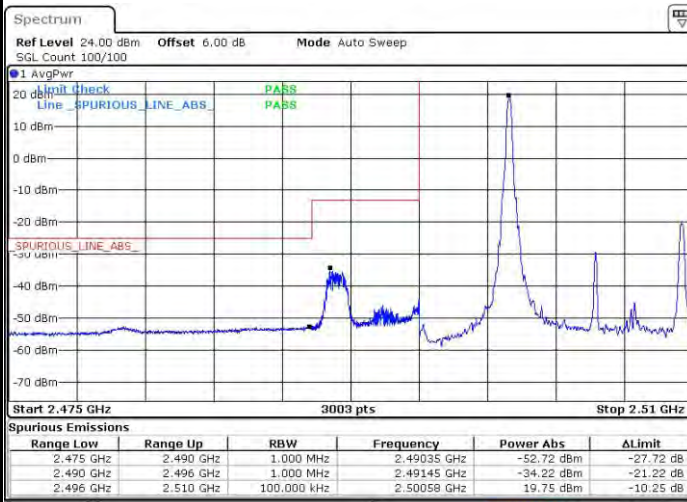


Date: 16 AUG 2015 17:16:12



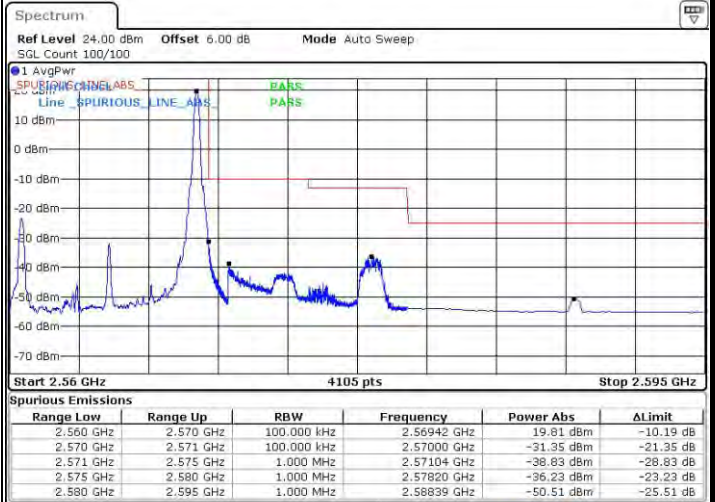
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



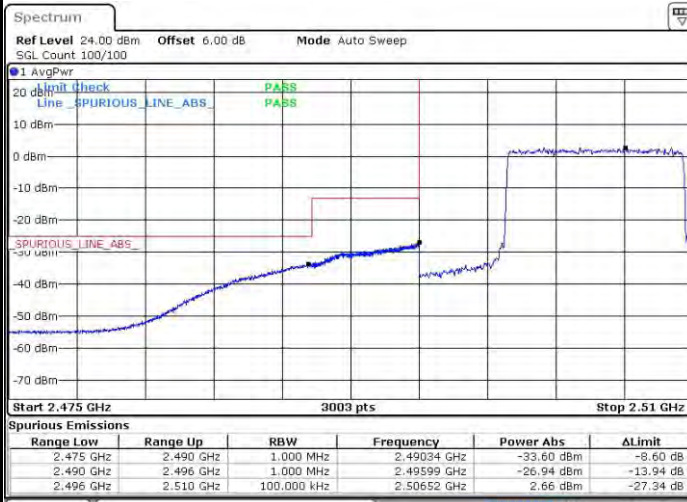
Date: 16 AUG.2015 17:01:54

Highest Band Edge / 1 RB



Date: 16 AUG.2015 17:14:41

Lowest Band Edge / Full RB



Date: 16 AUG.2015 17:04:29

Highest Band Edge / Full RB

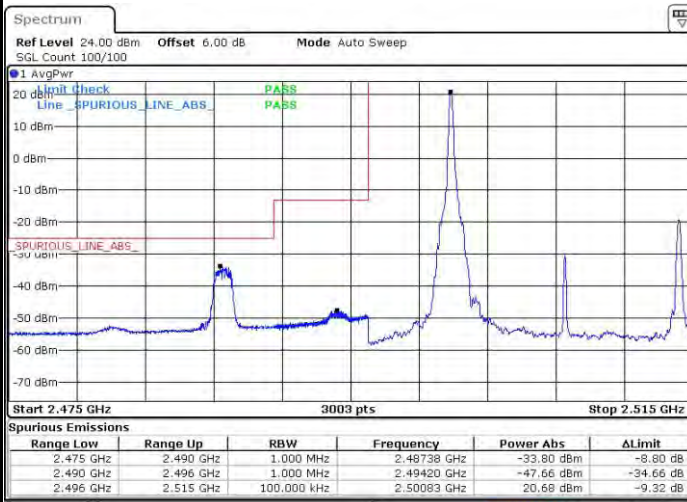


Date: 16 AUG.2015 17:17:21



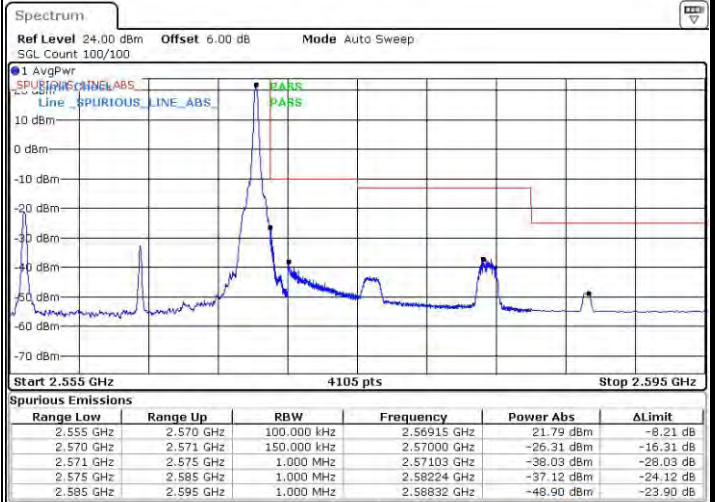
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



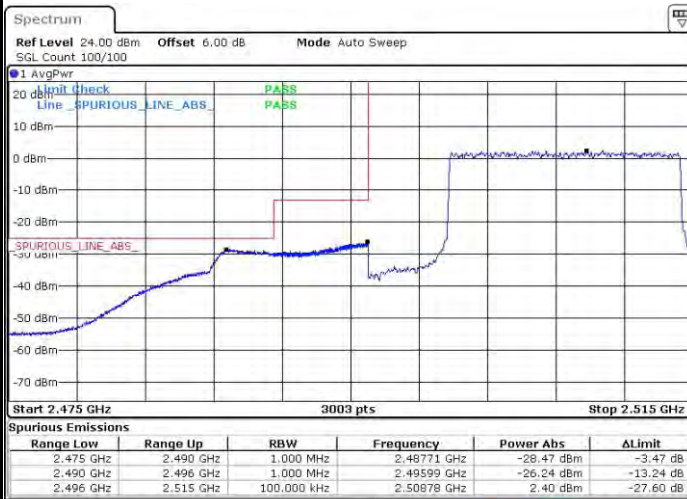
Date: 16 AUG.2015 17:23:50

Highest Band Edge / 1 RB



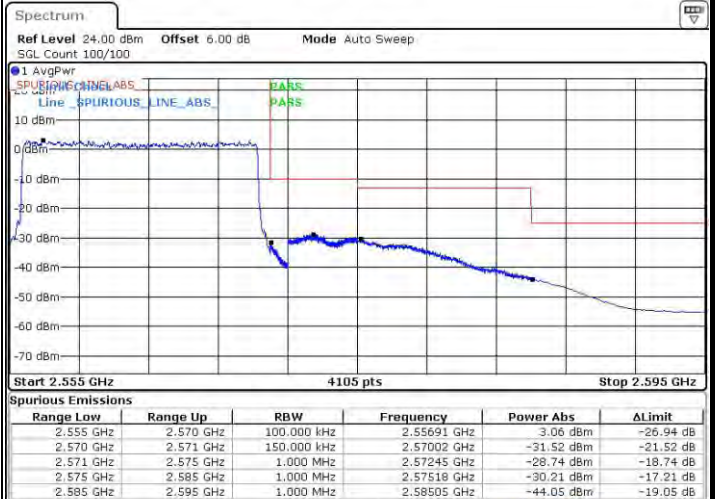
Date: 16 AUG.2015 18:11:50

Lowest Band Edge / Full RB



Date: 16 AUG.2015 19:07:36

Highest Band Edge / Full RB

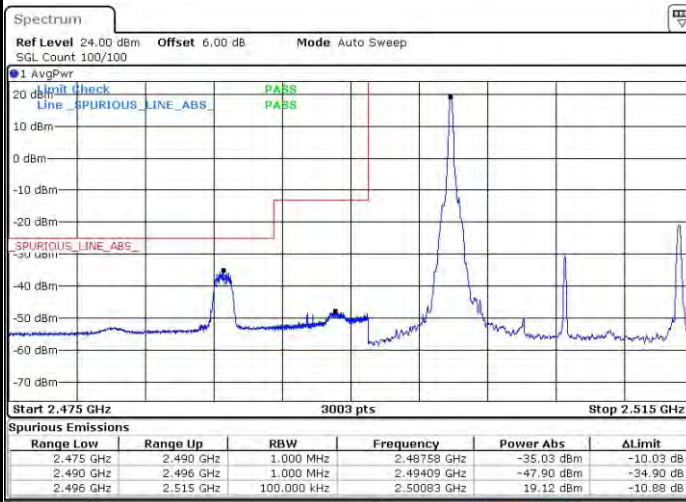


Date: 16 AUG.2015 18:14:07



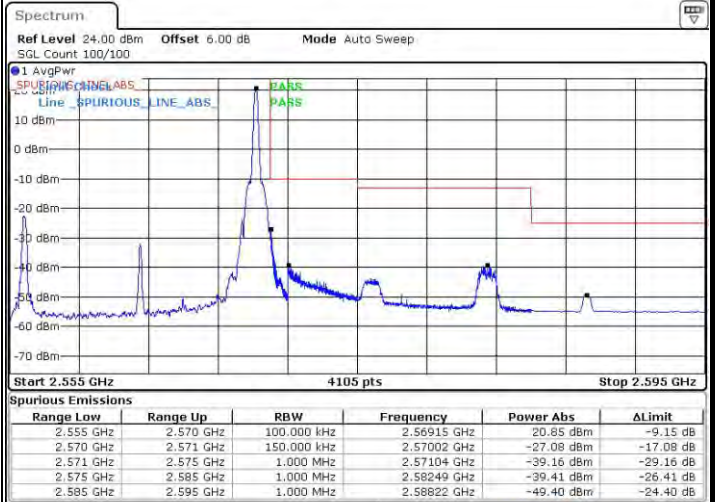
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



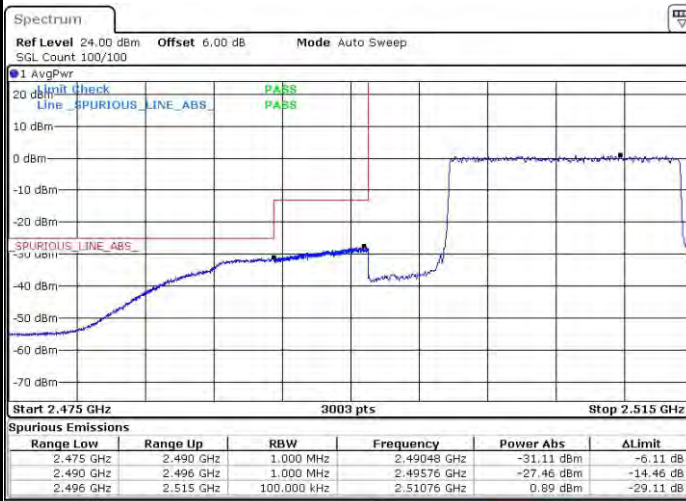
Date: 16 AUG.2015 17:24:59

Highest Band Edge / 1 RB



Date: 16 AUG.2015 18:12:59

Lowest Band Edge / Full RB



Date: 16 AUG.2015 17:27:16

Highest Band Edge / Full RB

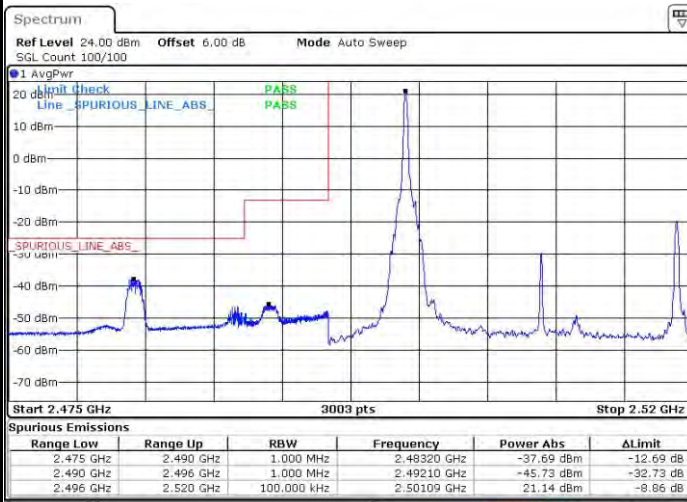


Date: 16 AUG.2015 18:15:16



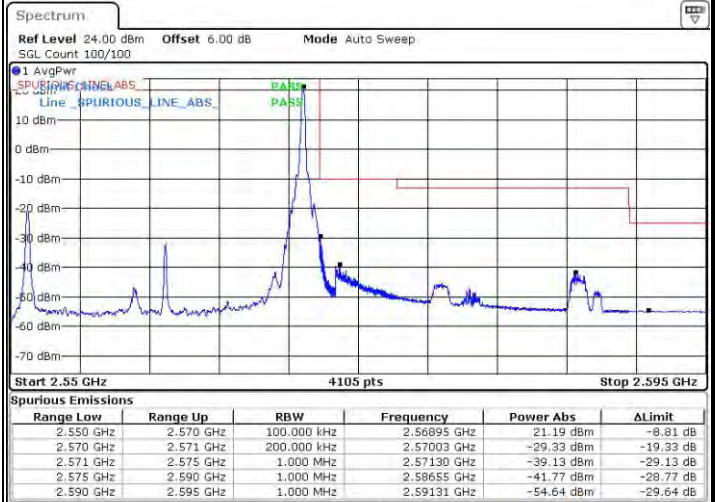
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



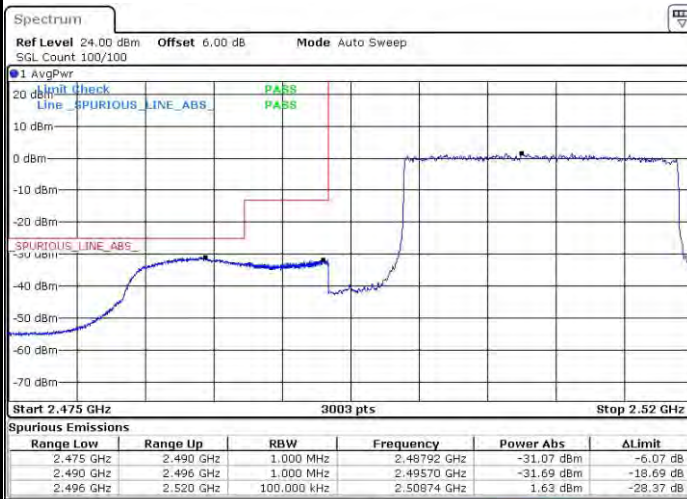
Date: 16 AUG.2015 18:19:49

Highest Band Edge / 1 RB



Date: 16 AUG.2015 18:36:35

Lowest Band Edge / Full RB



Date: 16 AUG.2015 18:22:54

Highest Band Edge / Full RB

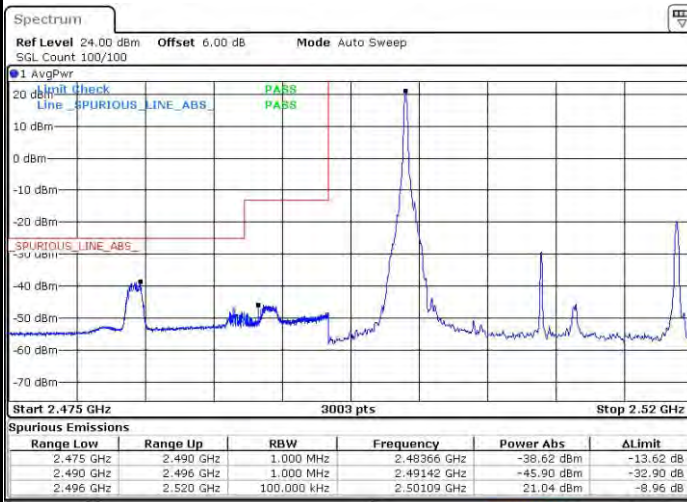


Date: 16 AUG.2015 18:40:12



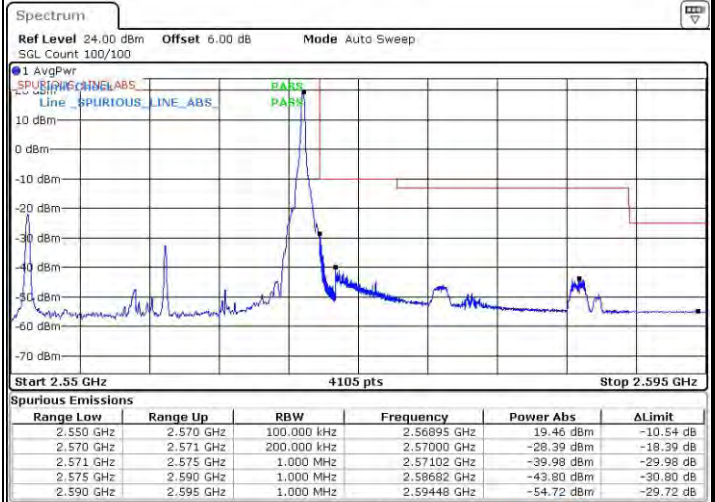
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



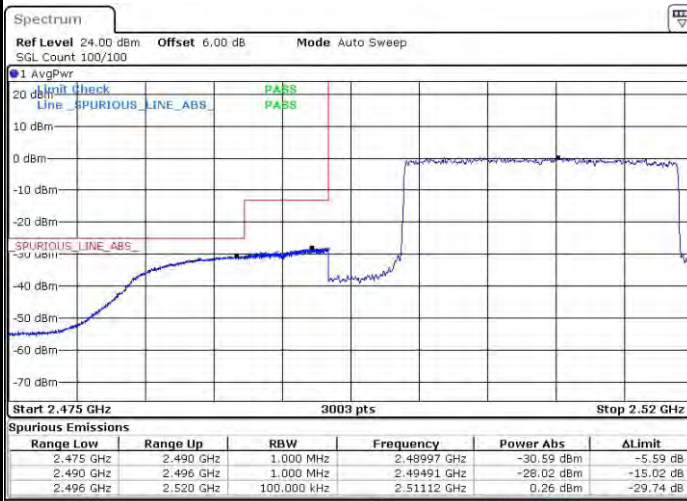
Date: 16 AUG.2015 18:20:57

Highest Band Edge / 1RB



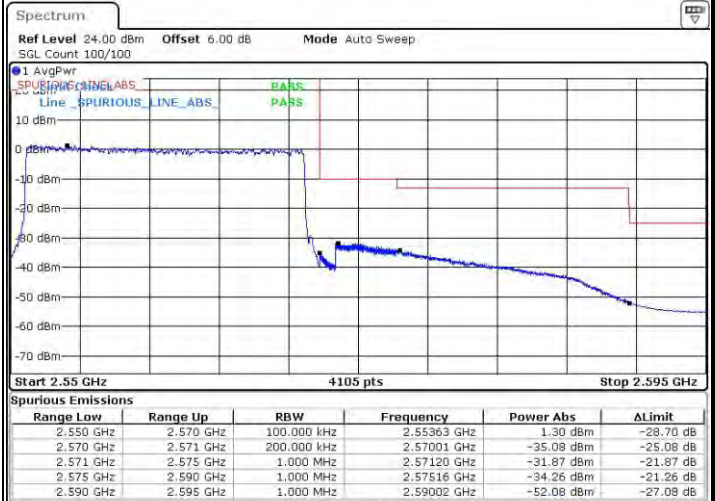
Date: 16 AUG.2015 18:52:10

Lowest Band Edge / Full RB



Date: 16 AUG.2015 18:24:02

Highest Band Edge / Full RB



Date: 16 AUG.2015 18:38:53





LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB



Date: 31 AUG.2015 11:53:50

Highest Band Edge / 1RB



Date: 31 AUG.2015 11:58:24

Lowest Band Edge / Full RB



Date: 31 AUG.2015 11:57:15

Highest Band Edge / Full RB



Date: 31 AUG.2015 12:01:49



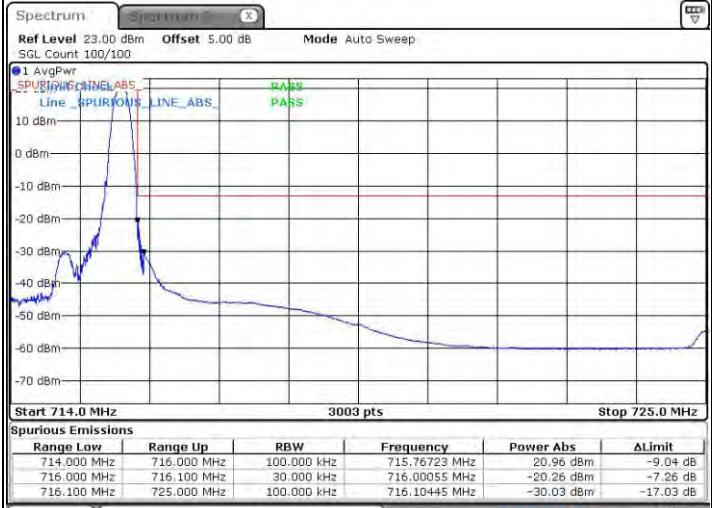
LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 31 AUG.2015 11:54:58

Highest Band Edge / 1 RB



Date: 31 AUG.2015 11:59:32

Lowest Band Edge / Full RB



Date: 31 AUG.2015 11:56:07

Highest Band Edge / Full RB

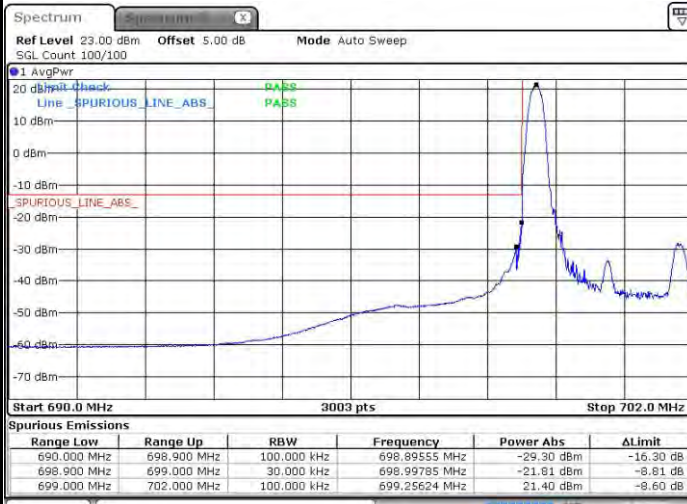


Date: 31 AUG.2015 12:00:41



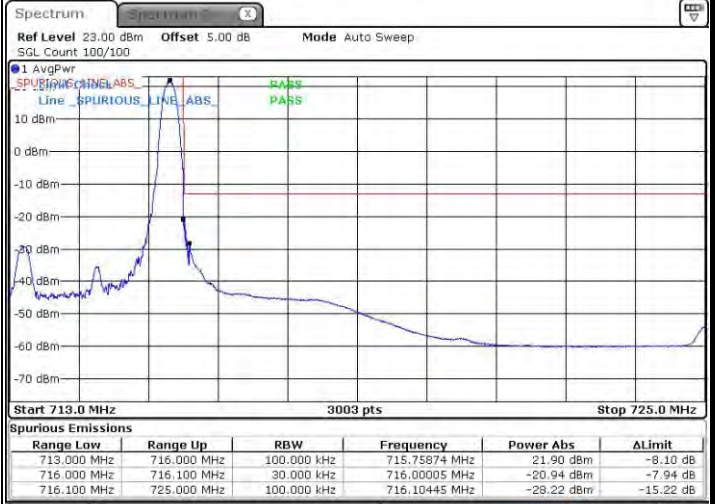
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 31 AUG.2015 12:06:23

Highest Band Edge / 1 RB



Date: 31 AUG.2015 12:07:32

Lowest Band Edge / Full RB



Date: 31 AUG.2015 12:02:58

Highest Band Edge / Full RB

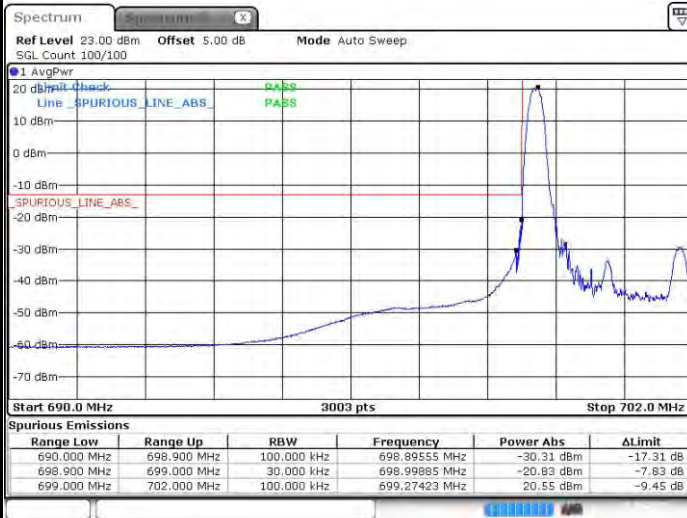


Date: 31 AUG.2015 12:10:58



LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 31 AUG.2015 12:05:15

Highest Band Edge / 1 RB



Date: 31 AUG.2015 12:08:40

Lowest Band Edge / Full RB



Date: 31 AUG.2015 12:04:06

Highest Band Edge / Full RB

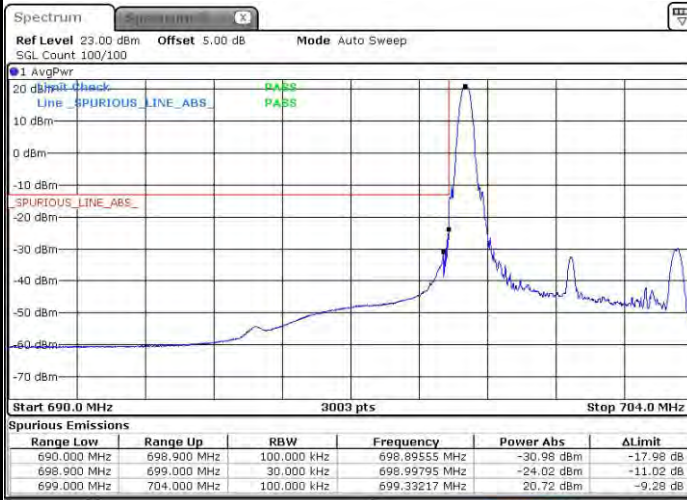


Date: 31 AUG.2015 12:08:49



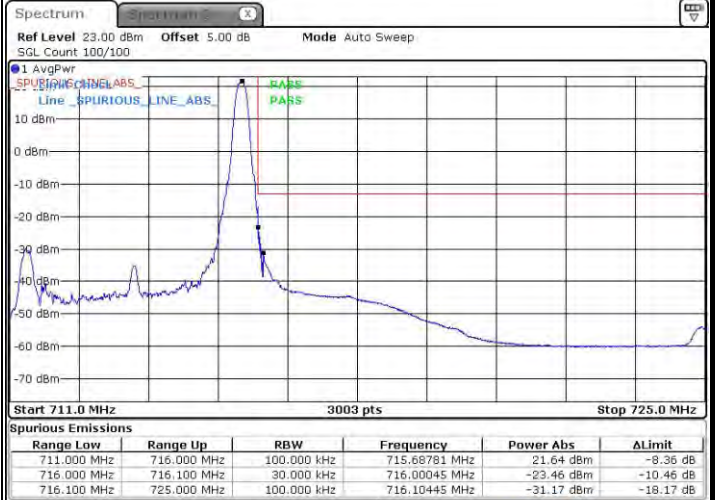
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 31 AUG.2015 12:12:06

Highest Band Edge / 1 RB



Date: 31 AUG.2015 12:16:40

Lowest Band Edge / Full RB



Date: 31 AUG.2015 12:15:32

Highest Band Edge / Full RB

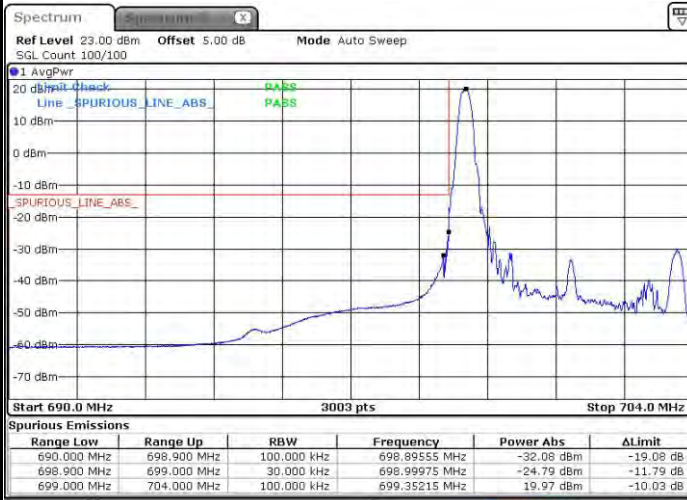


Date: 31 AUG.2015 12:20:06



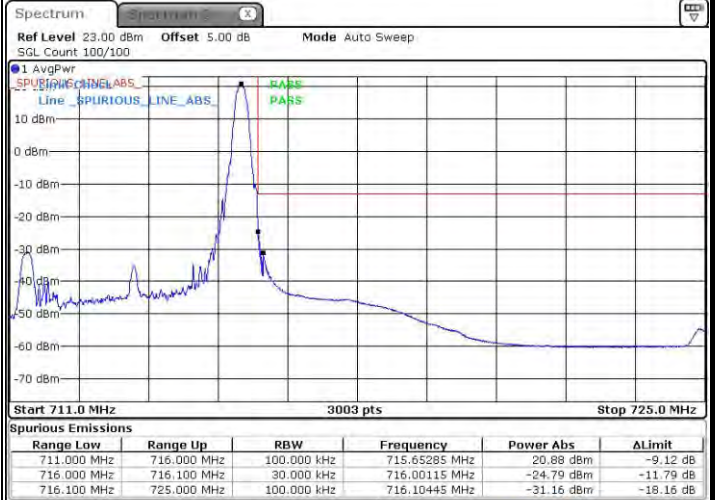
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



Date: 31 AUG.2015 12:13:15

Highest Band Edge / 1 RB



Date: 31 AUG.2015 12:17:49

Lowest Band Edge / Full RB



Date: 31 AUG.2015 12:14:23

Highest Band Edge / Full RB

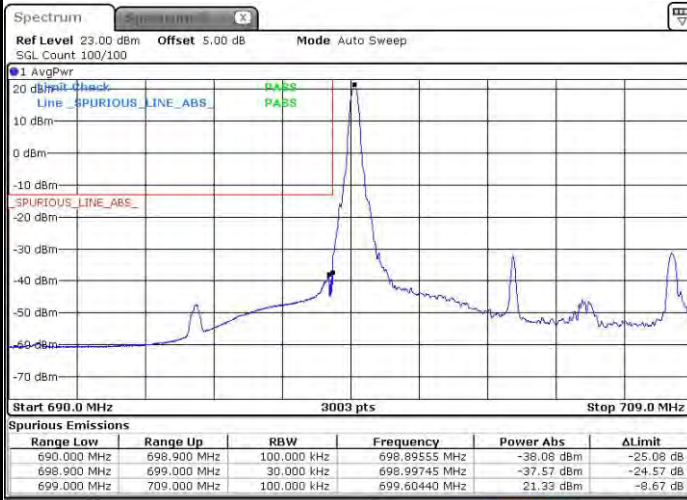


Date: 31 AUG.2015 12:18:57



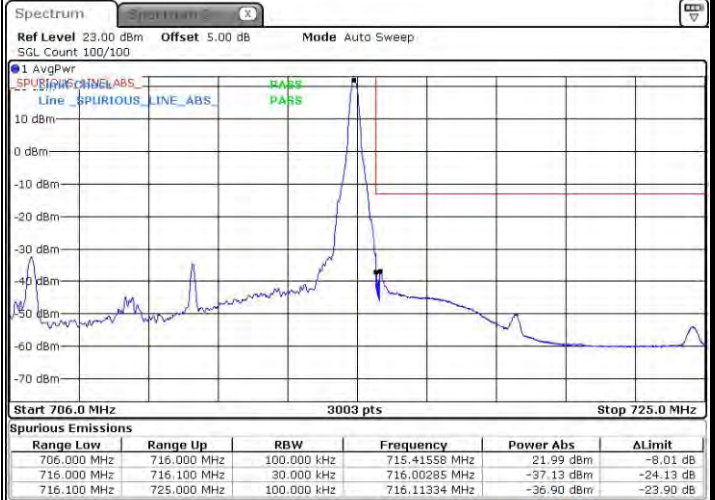
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



Date: 31 AUG.2015 12:24:40

Highest Band Edge / 1 RB



Date: 31 AUG.2015 12:25:48

Lowest Band Edge / Full RB



Date: 31 AUG.2015 12:21:14

Highest Band Edge / Full RB

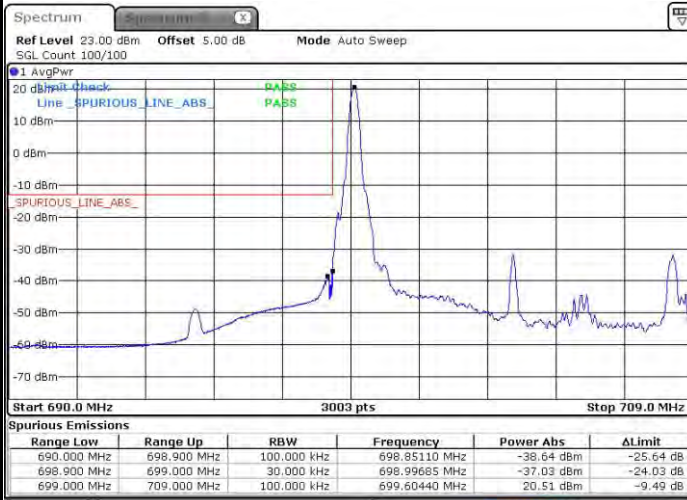


Date: 31 AUG.2015 12:28:14



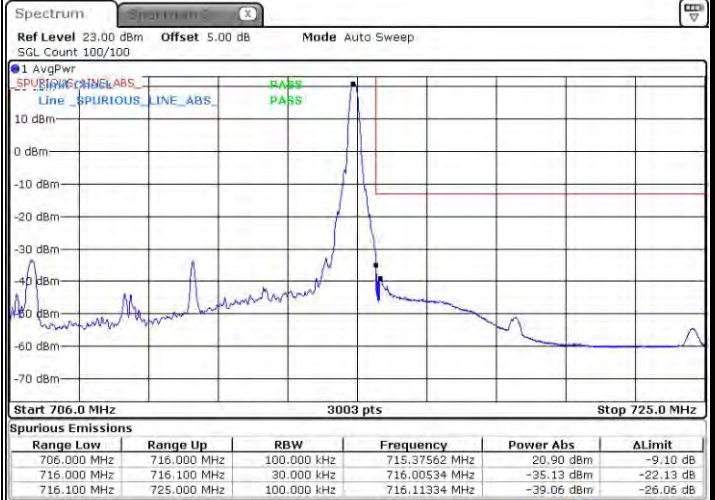
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 31 AUG.2015 12:23:31

Highest Band Edge / 1 RB



Date: 31 AUG.2015 12:26:57

Lowest Band Edge / Full RB



Date: 31 AUG.2015 12:22:23

Highest Band Edge / Full RB



Date: 31 AUG.2015 12:28:05





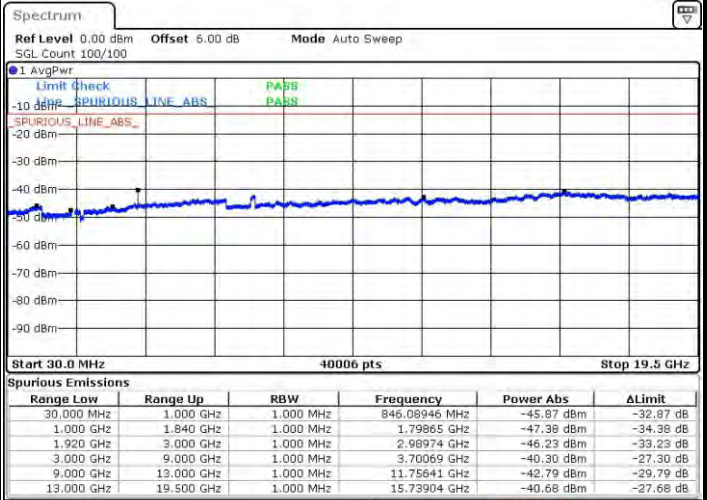
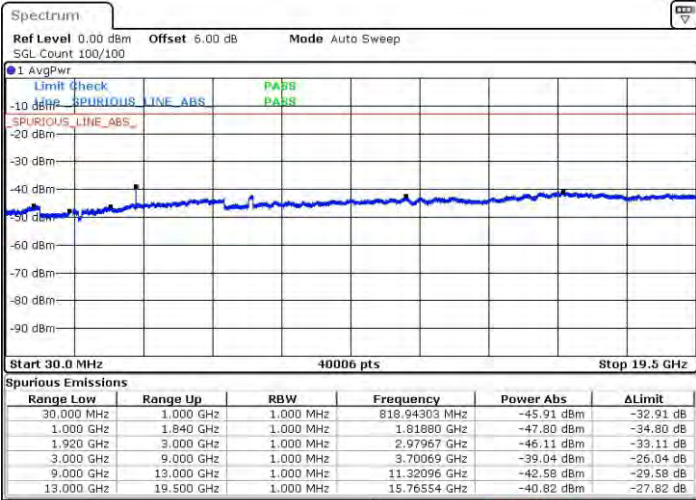
**Conducted Spurious Emission**



LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

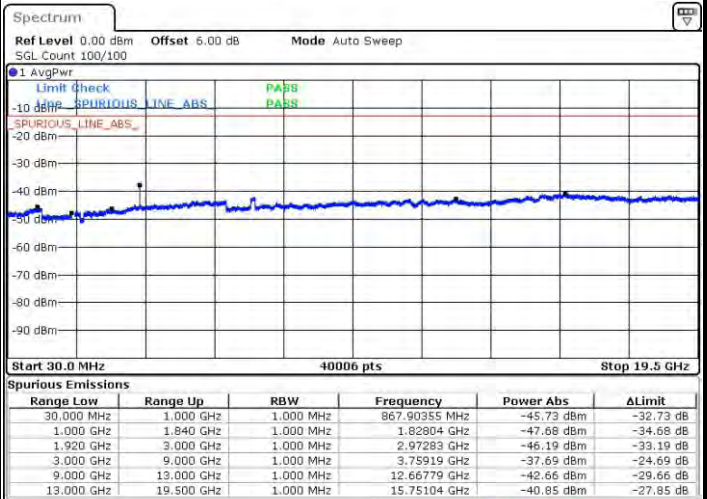
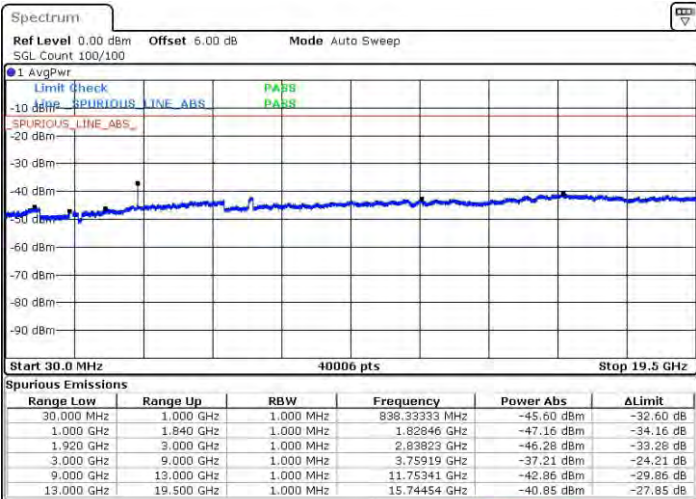


Date: 30 AUG 2015 14:05:23

Date: 30 AUG 2015 14:06:19

Middle Channel / QPSK

Middle Channel / 16QAM



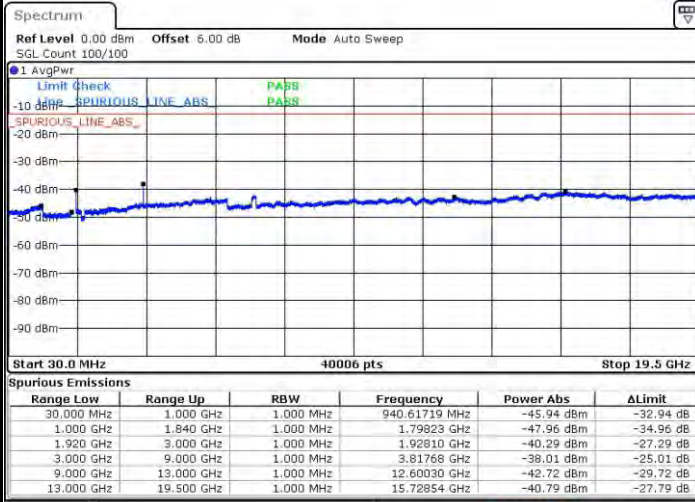
Date: 30 AUG 2015 14:07:56

Date: 30 AUG 2015 14:08:52



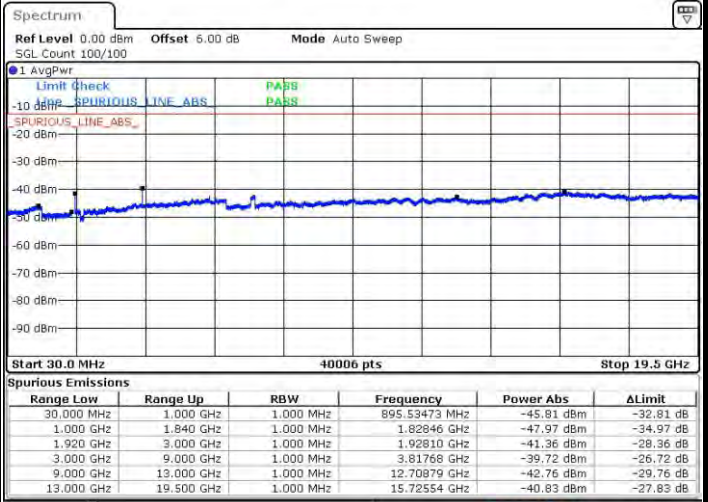
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 30 AUG 2015 14:15:01

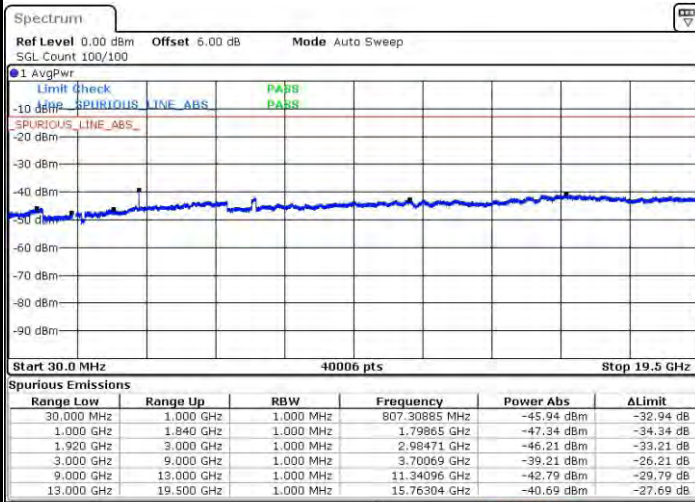
Highest Channel / 16QAM



Date: 30 AUG 2015 14:15:57

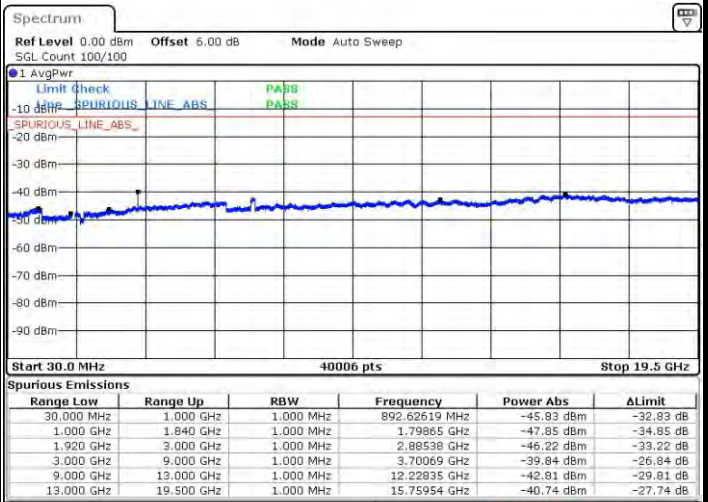
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 30 AUG 2015 12:37:59

Lowest Channel / 16QAM



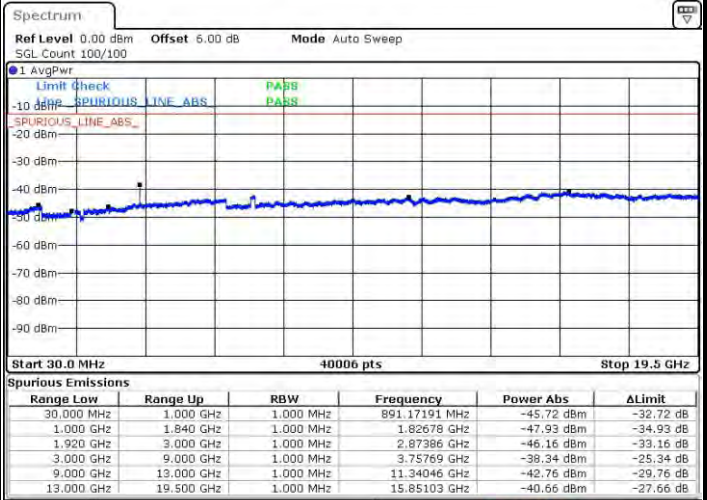
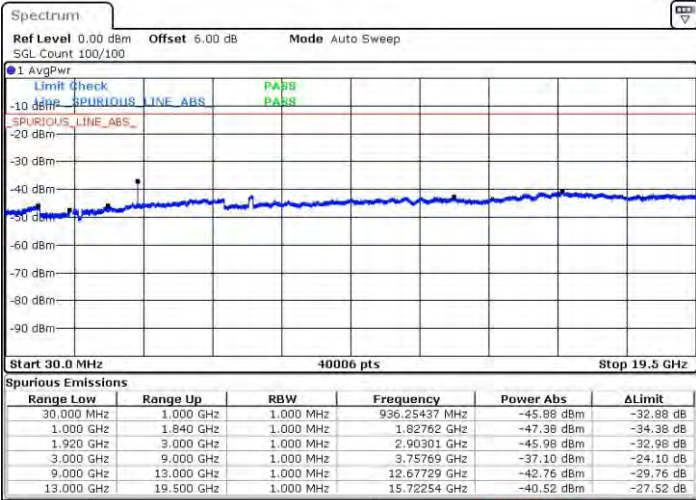
Date: 30 AUG 2015 12:38:54



LTE Band 2 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

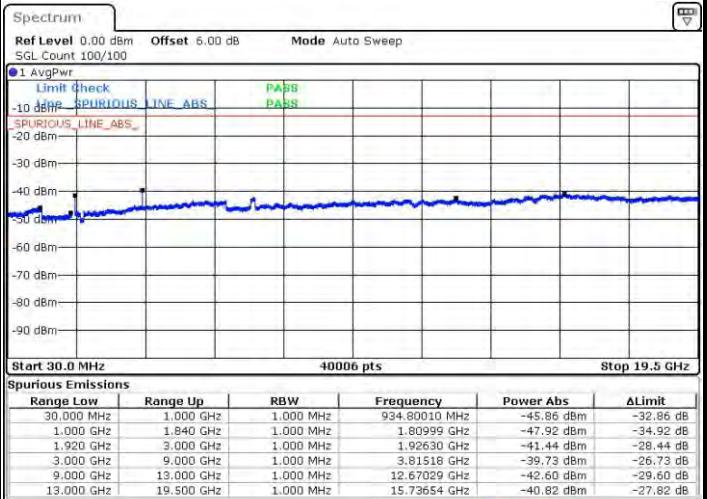
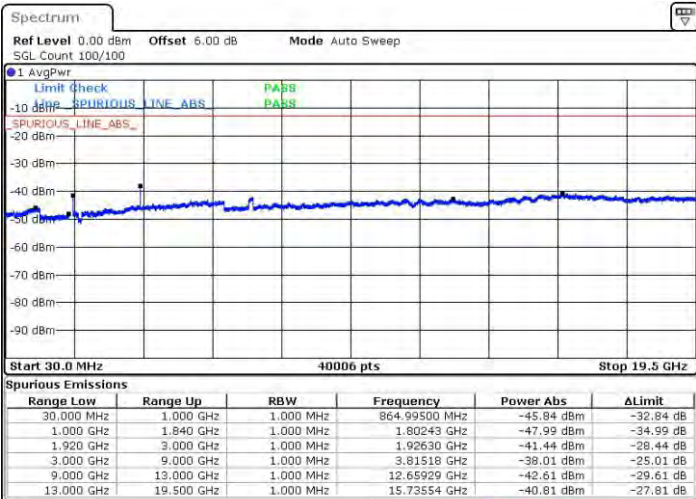


Date: 30 AUG 2015 12:40:32

Date: 30 AUG 2015 12:41:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30 AUG 2015 12:47:37

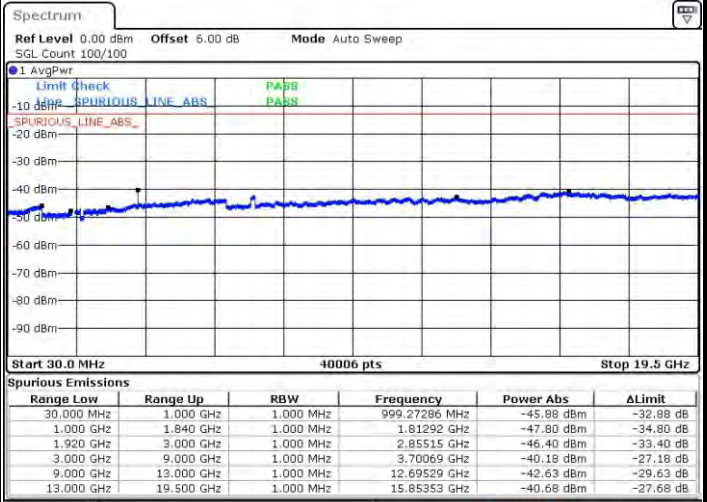
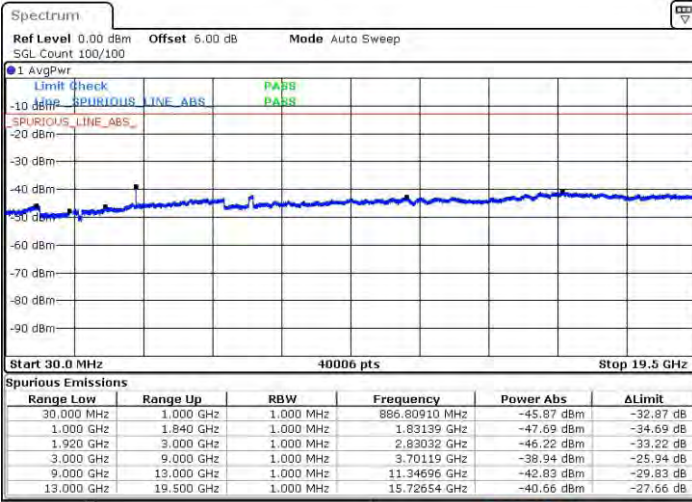
Date: 30 AUG 2015 12:48:32



LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

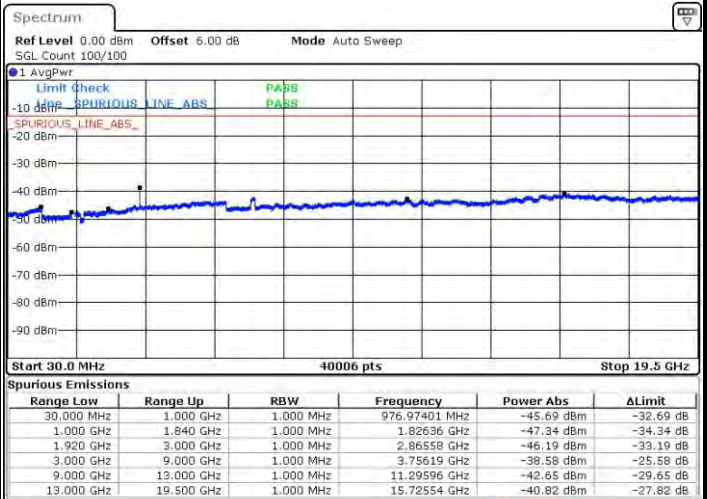
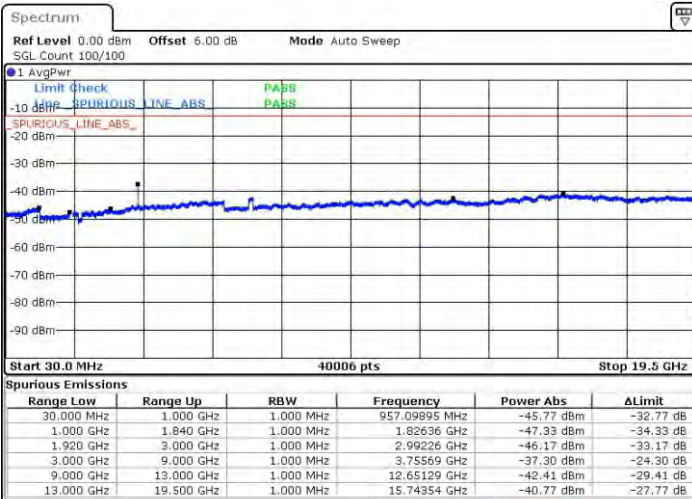


Date: 30 AUG 2015 12:54:42

Date: 30 AUG 2015 12:55:37

Middle Channel / QPSK

Middle Channel / 16QAM



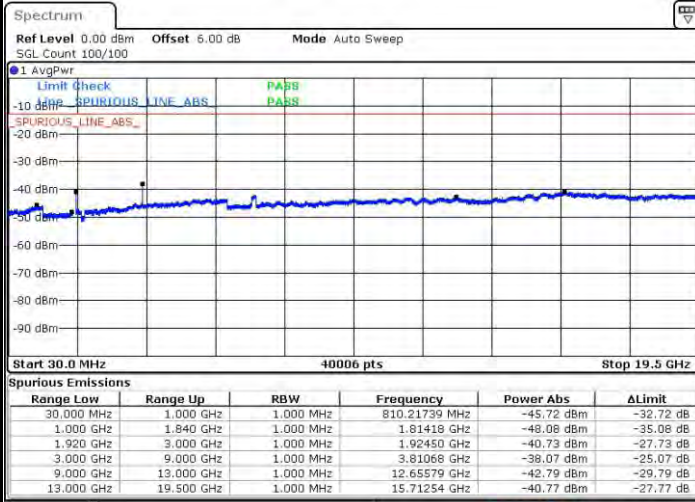
Date: 30 AUG 2015 12:57:15

Date: 30 AUG 2015 12:58:10



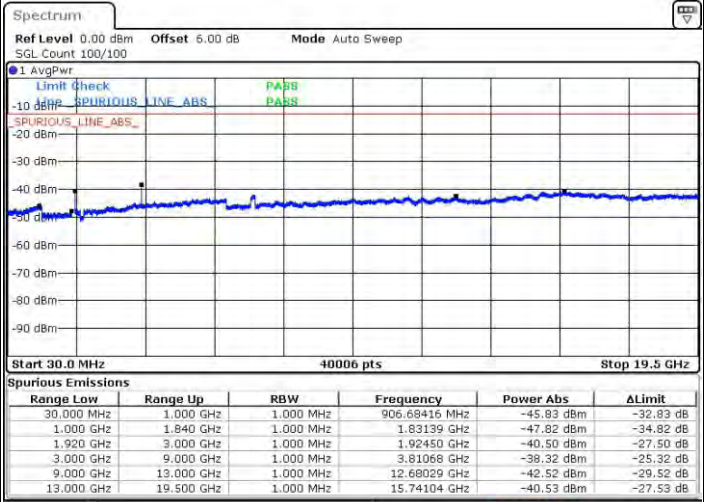
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 30 AUG 2015 13:04:19

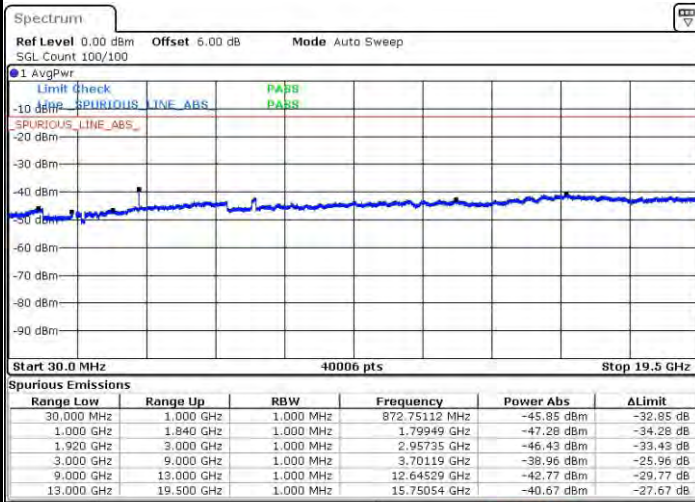
Highest Channel / 16QAM



Date: 30 AUG 2015 13:05:15

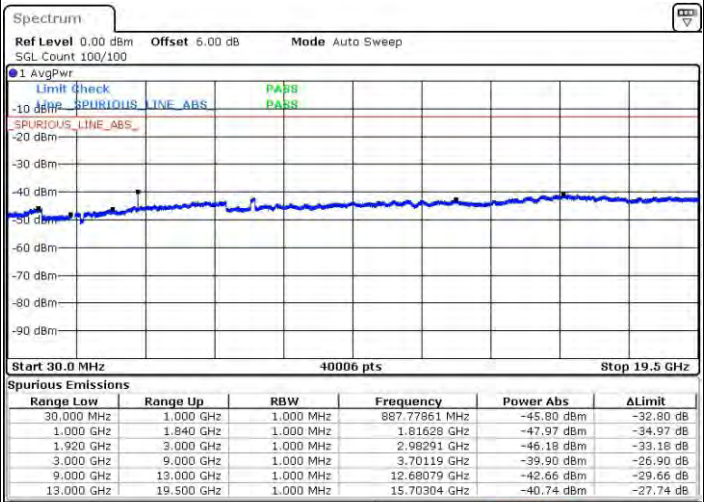
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 30 AUG 2015 13:11:25

Lowest Channel / 16QAM



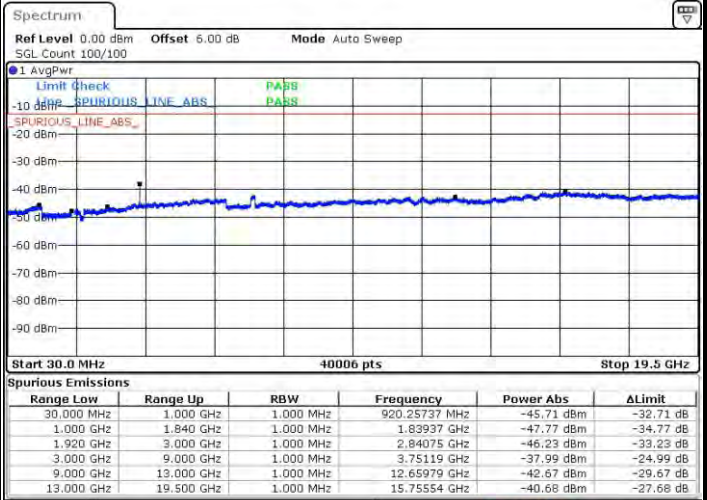
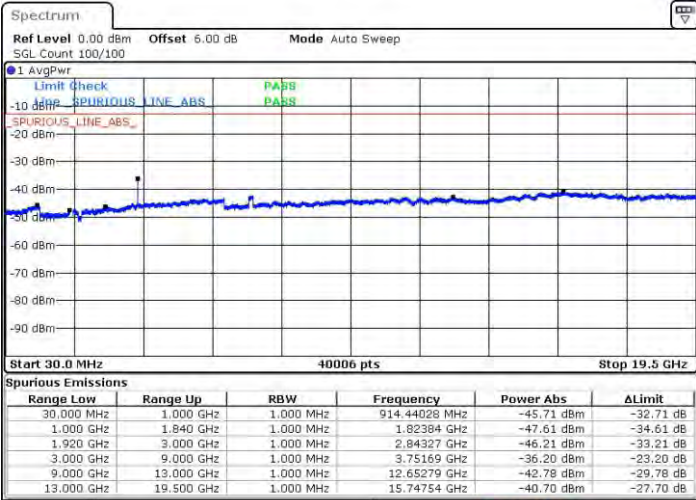
Date: 30 AUG 2015 13:12:20



LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

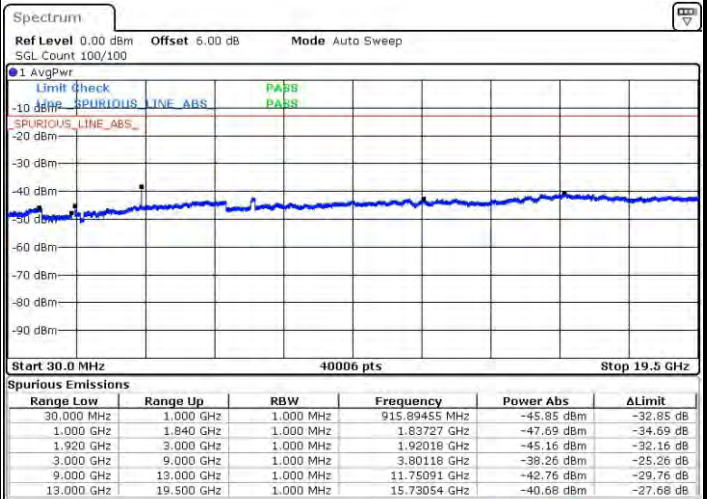
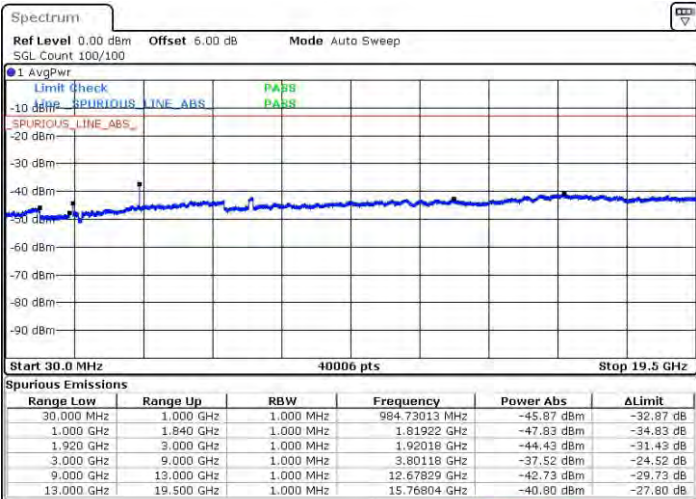


Date: 30 AUG 2015 13:13:58

Date: 30 AUG 2015 13:14:53

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30 AUG 2015 13:21:03

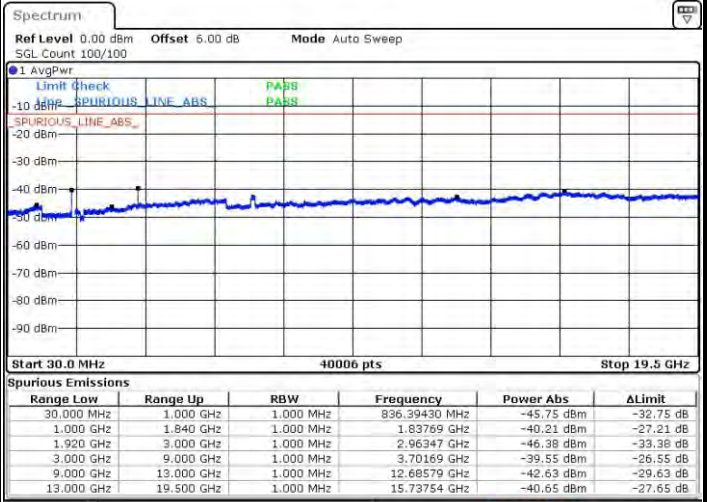
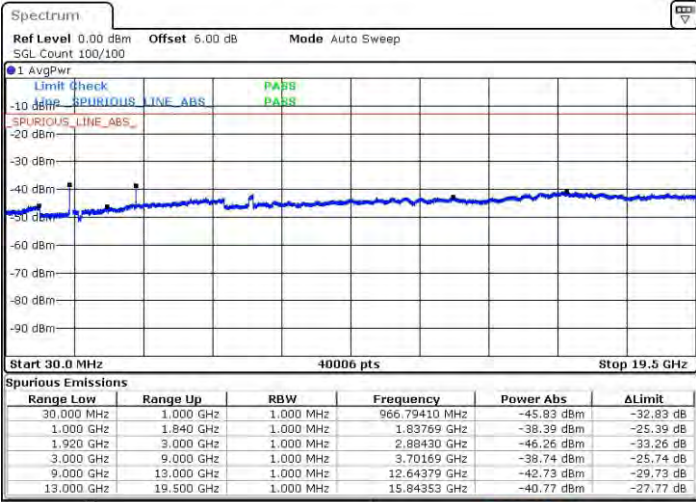
Date: 30 AUG 2015 13:21:58



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

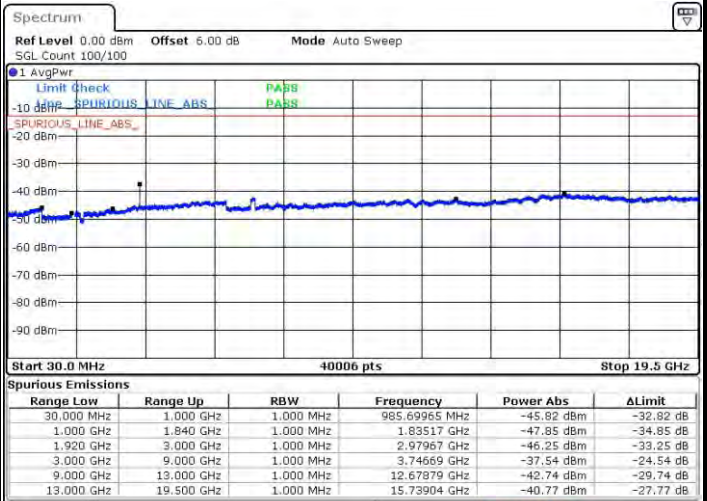
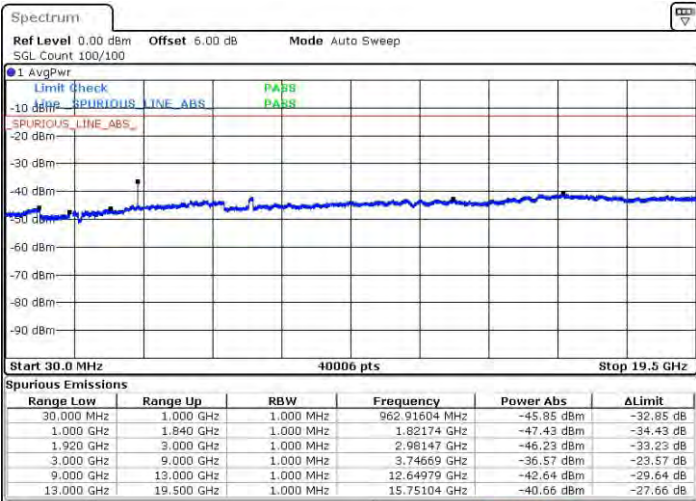


Date: 30 AUG 2015 13:28:08

Date: 30 AUG 2015 13:29:03

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 30 AUG 2015 13:30:40

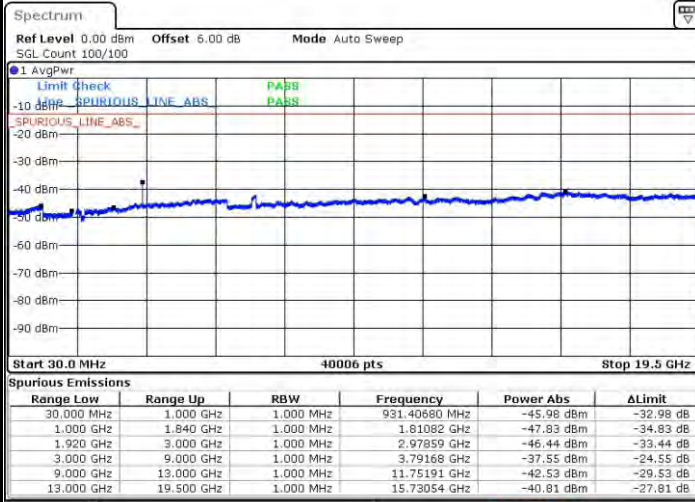
Date: 30 AUG 2015 13:31:36





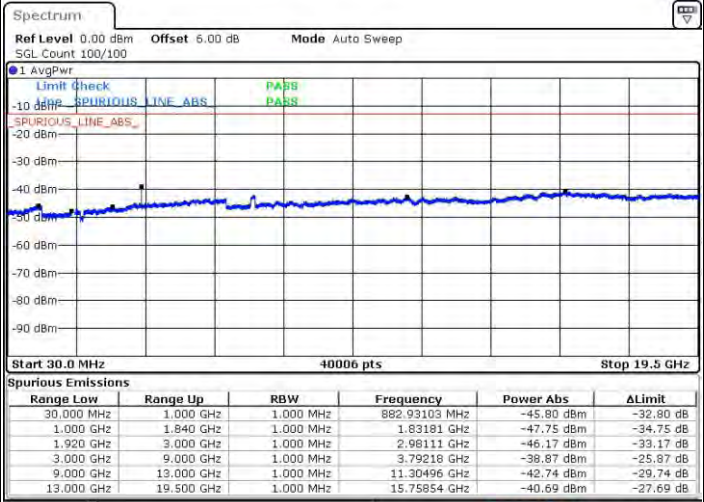
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 30 AUG 2015 13:37:46

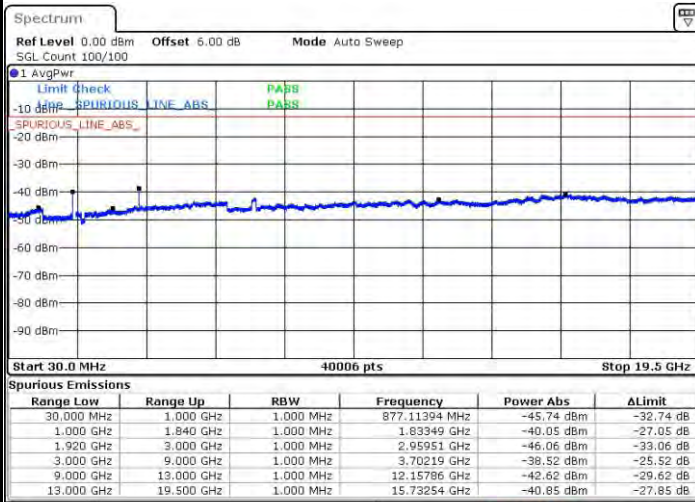
Highest Channel / 16QAM



Date: 30 AUG 2015 13:38:41

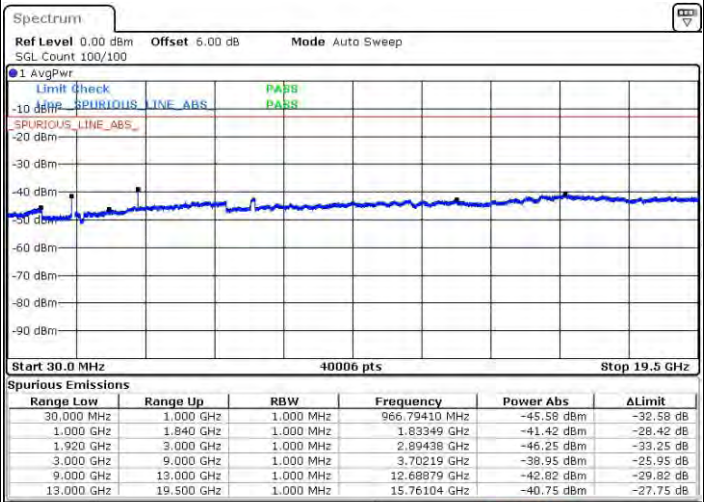
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 30 AUG 2015 13:44:50

Lowest Channel / 16QAM



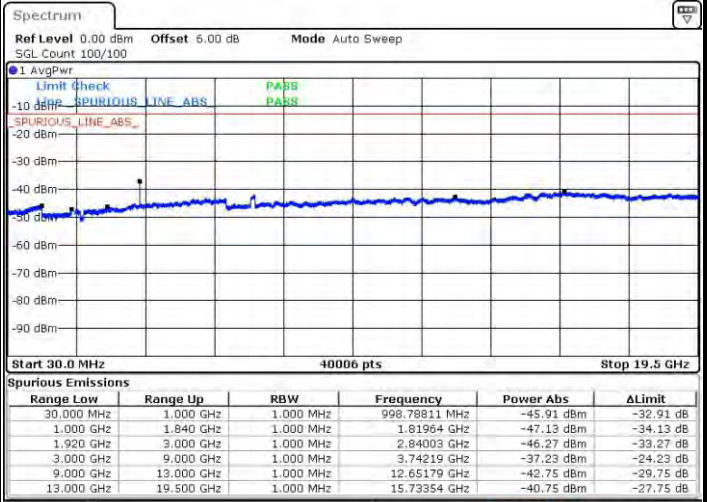
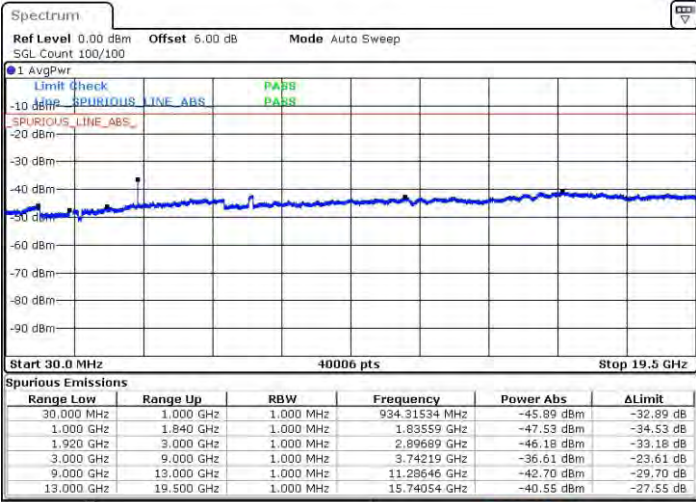
Date: 30 AUG 2015 13:45:46



LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

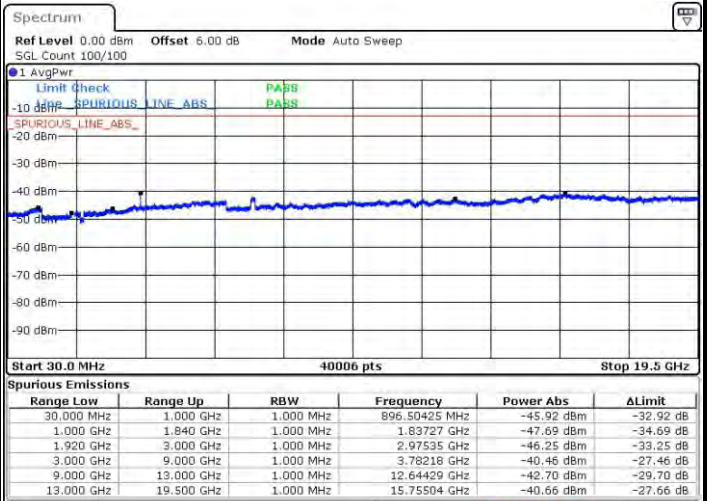
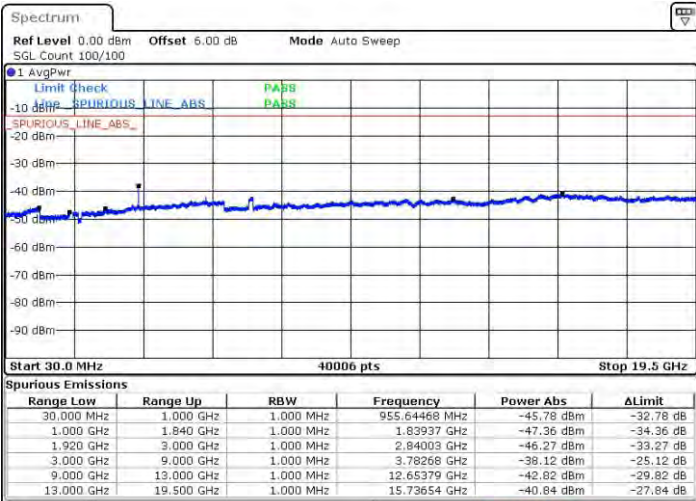


Date: 30 AUG 2015 13:47:23

Date: 30 AUG 2015 13:48:19

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30 AUG 2015 13:54:28

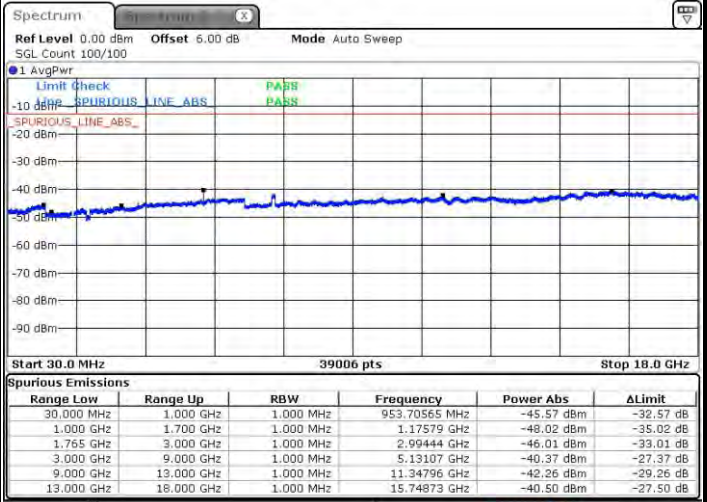
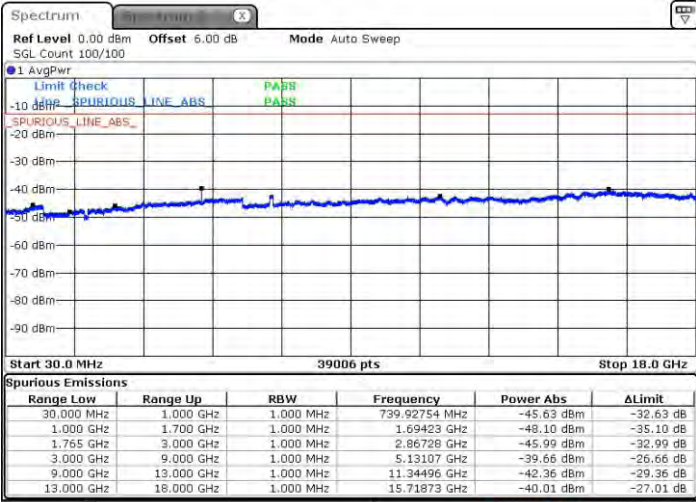
Date: 30 AUG 2015 13:55:24



LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

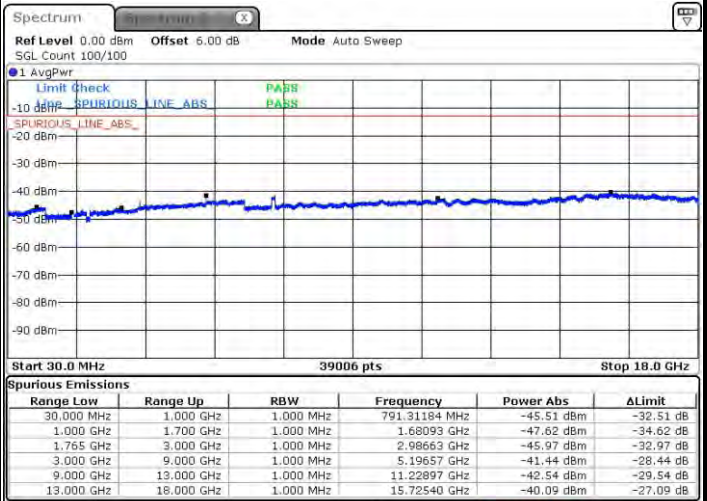
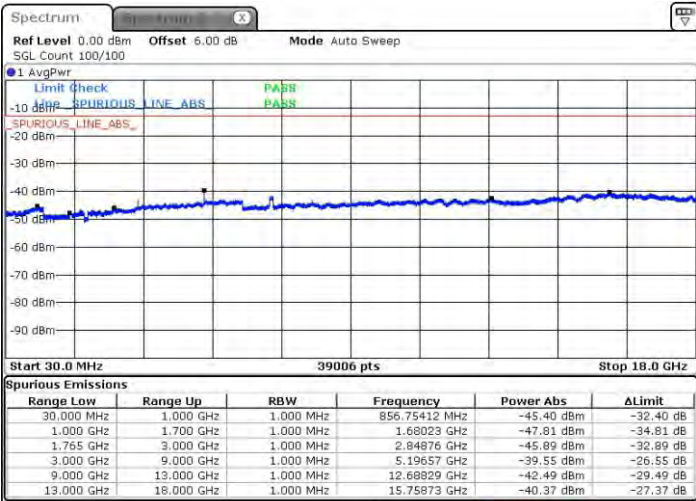


Date: 31.AUG.2015 08:47:49

Date: 31.AUG.2015 08:49:00

Middle Channel / QPSK

Middle Channel / 16QAM



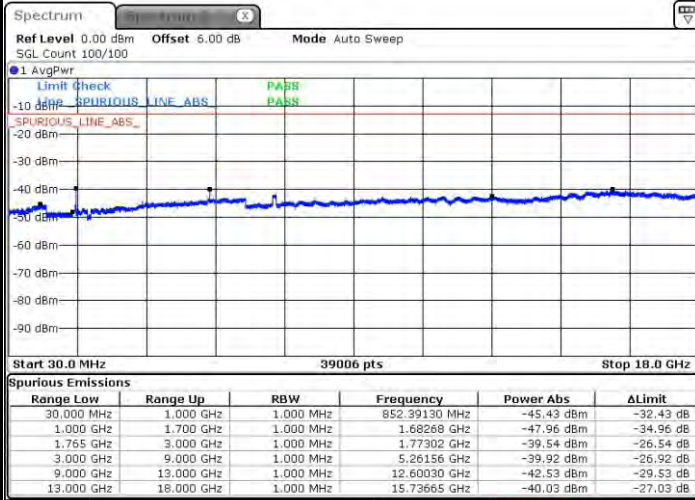
Date: 31.AUG.2015 08:50:58

Date: 31.AUG.2015 08:52:09



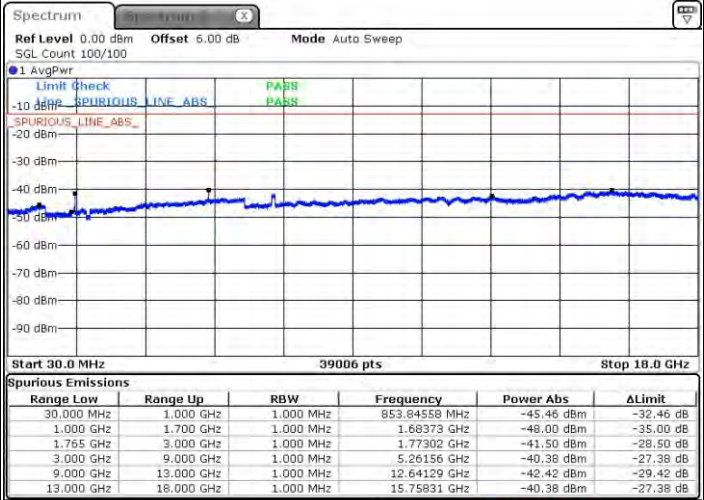
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 31.AUG.2015 08:58:40

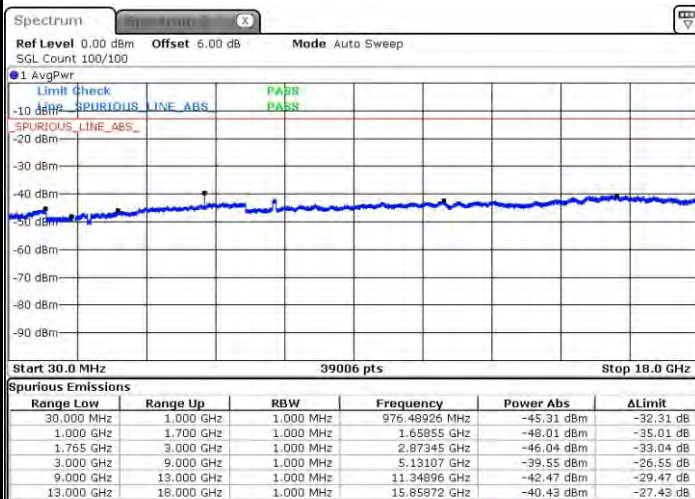
Highest Channel / 16QAM



Date: 31.AUG.2015 08:59:51

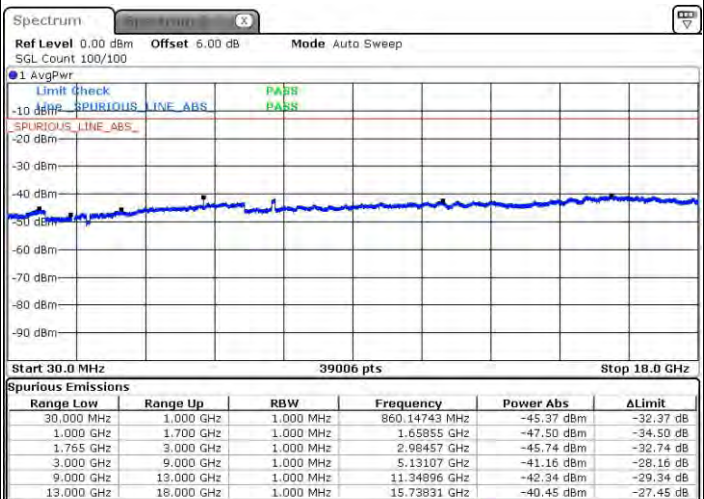
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 31.AUG.2015 09:06:22

Lowest Channel / 16QAM



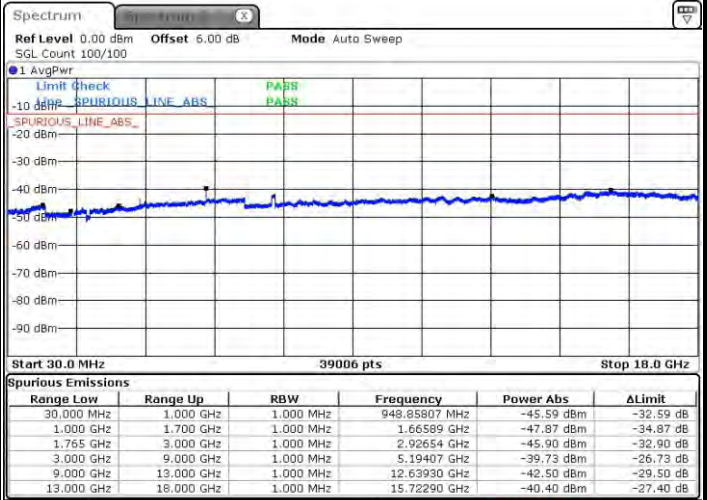
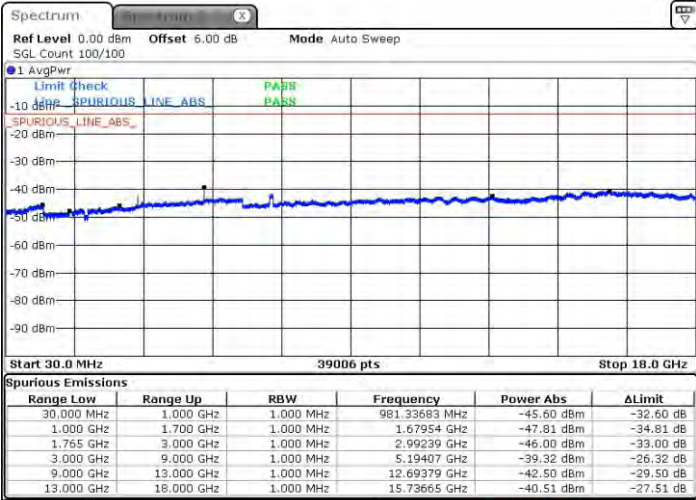
Date: 31.AUG.2015 09:07:33



LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

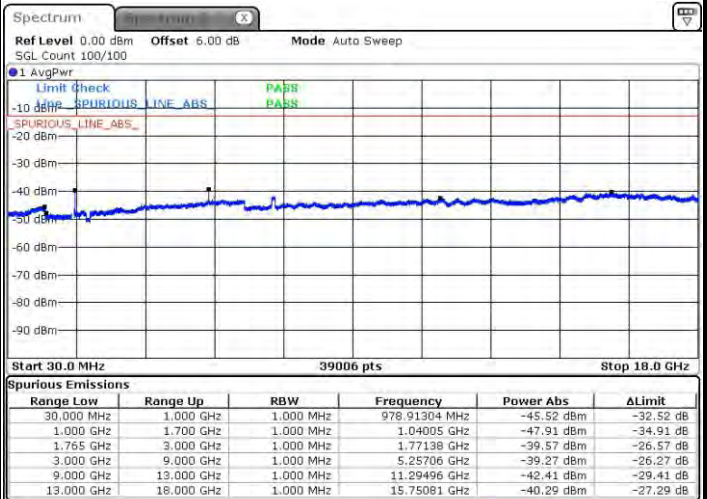
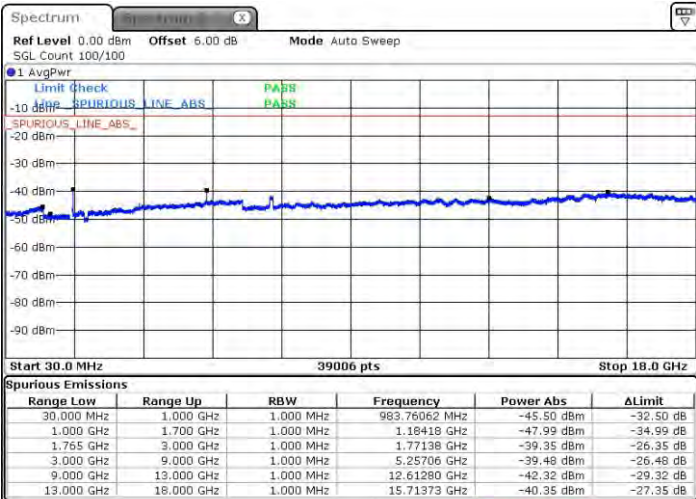


Date: 31.AUG.2015 09:09:31

Date: 31.AUG.2015 09:10:42

Highest Channel / QPSK

Highest Channel / 16QAM



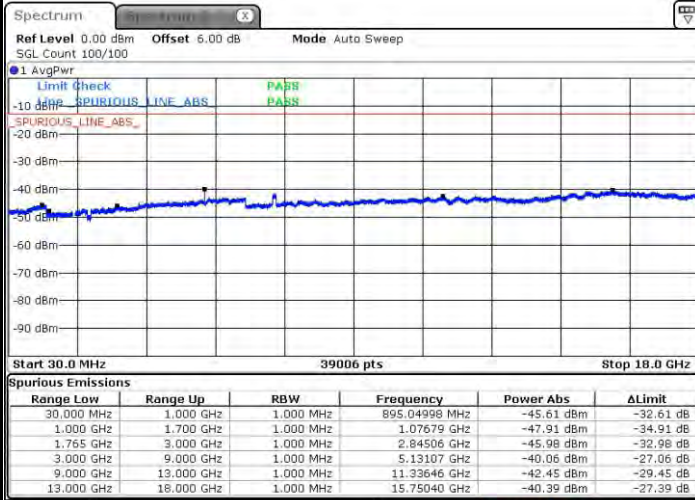
Date: 31.AUG.2015 09:18:55

Date: 31.AUG.2015 09:20:06



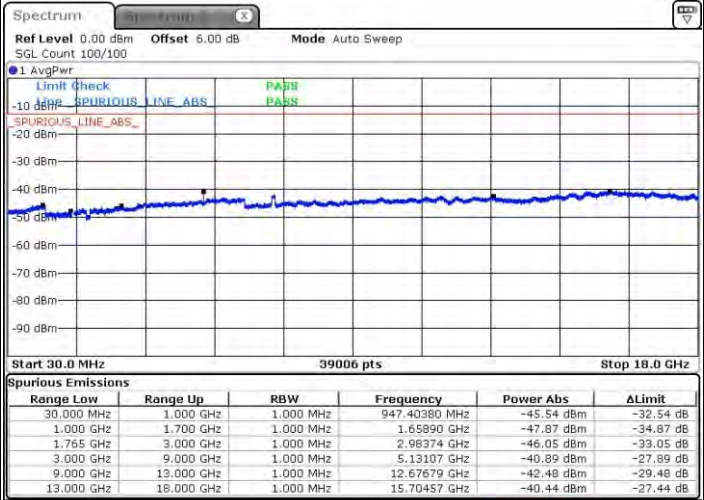
LTE Band 4 / 5MHz

Lowest Channel / QPSK



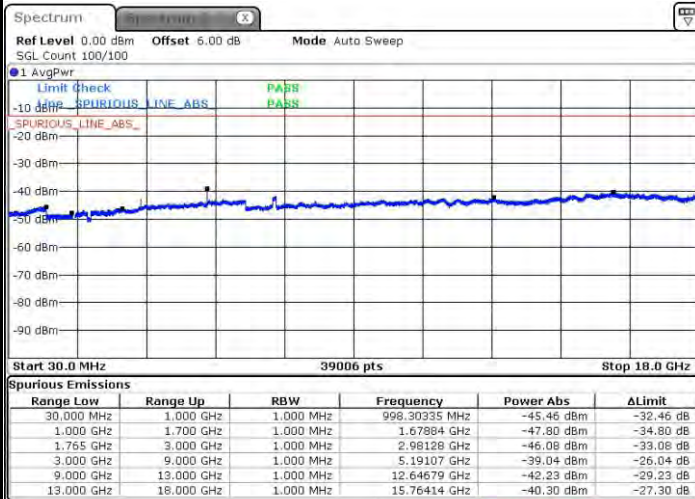
Date: 31.AUG.2015 09:26:37

Lowest Channel / 16QAM



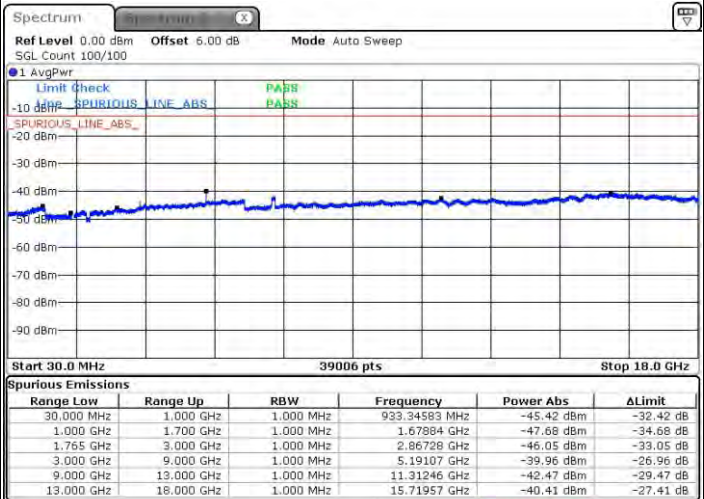
Date: 31.AUG.2015 09:27:48

Middle Channel / QPSK



Date: 31.AUG.2015 09:29:45

Middle Channel / 16QAM

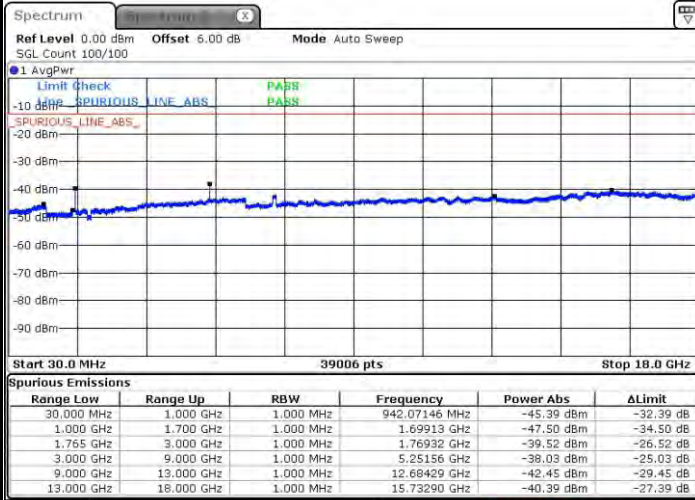


Date: 31.AUG.2015 09:31:56



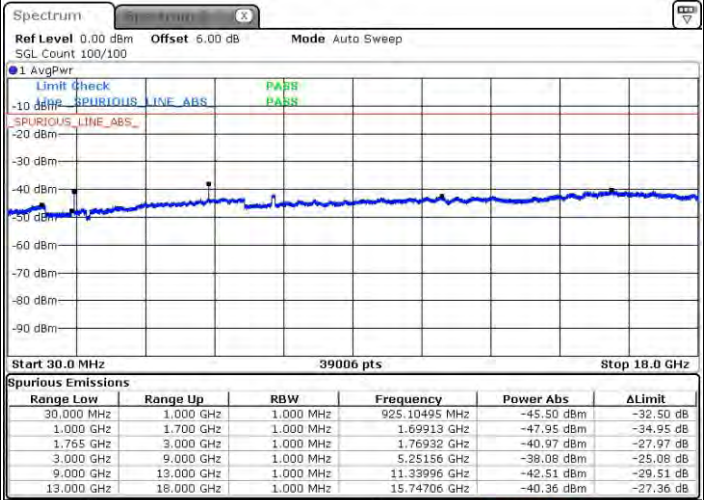
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 31.AUG.2015 09:38:27

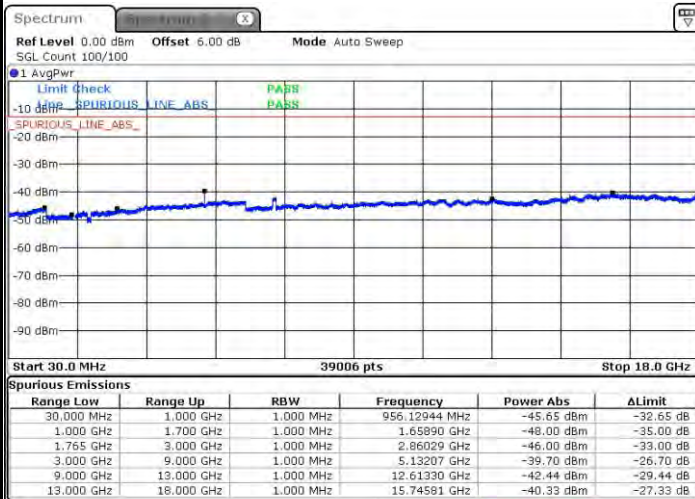
Highest Channel / 16QAM



Date: 31.AUG.2015 09:39:38

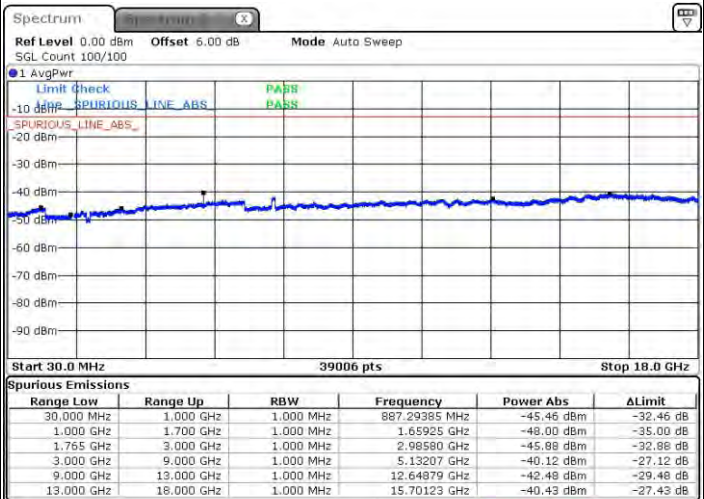
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 31.AUG.2015 09:46:09

Lowest Channel / 16QAM

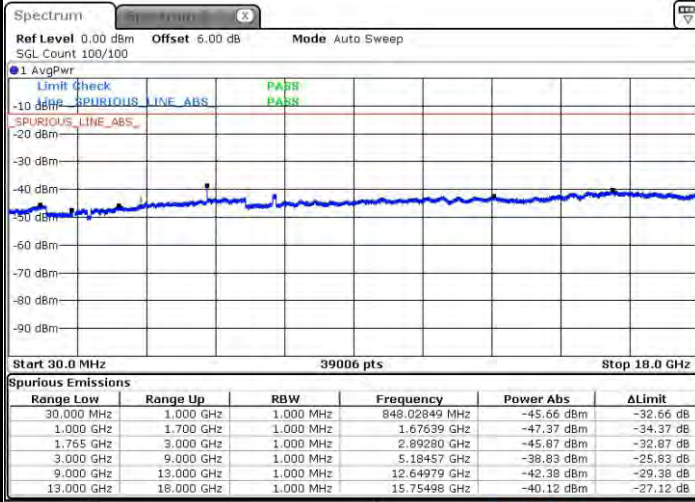


Date: 31.AUG.2015 09:47:20



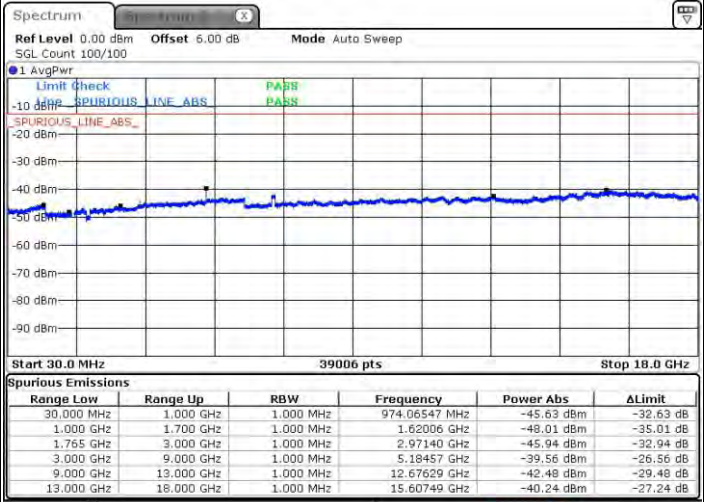
LTE Band 4 / 10MHz

Middle Channel / QPSK



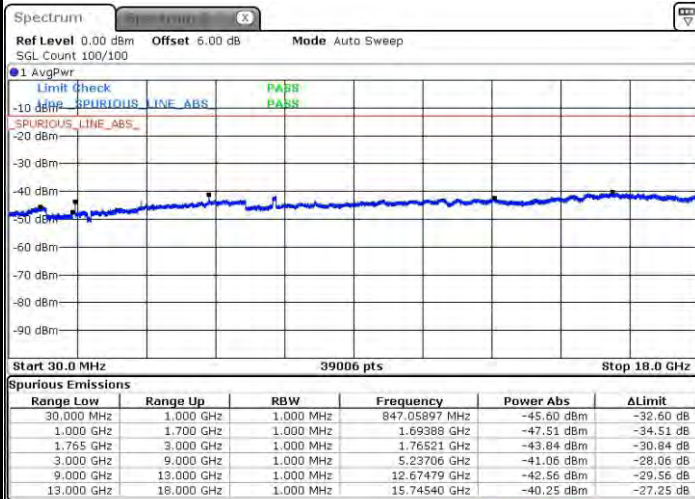
Date: 31.AUG.2015 09:49:18

Middle Channel / 16QAM



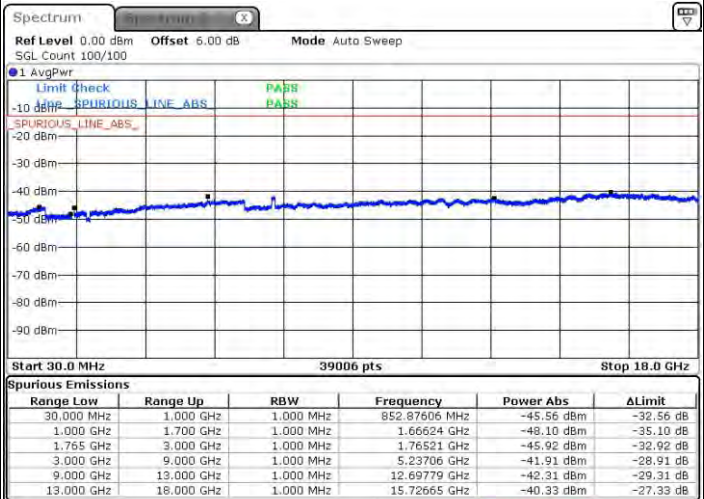
Date: 31.AUG.2015 09:50:29

Highest Channel / QPSK



Date: 31.AUG.2015 09:57:00

Highest Channel / 16QAM



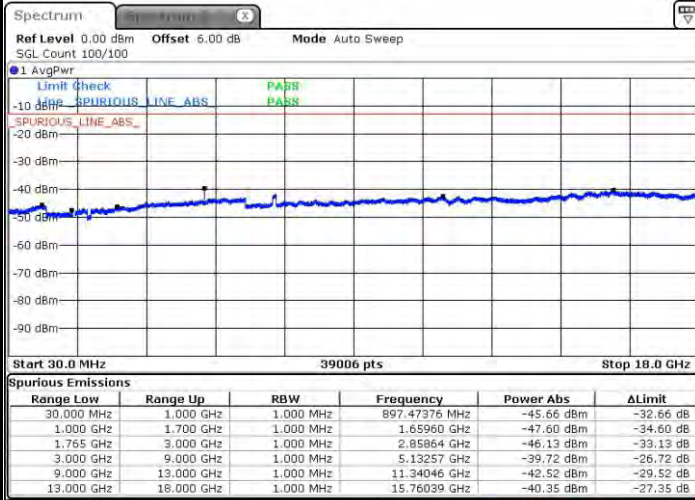
Date: 31.AUG.2015 09:58:11





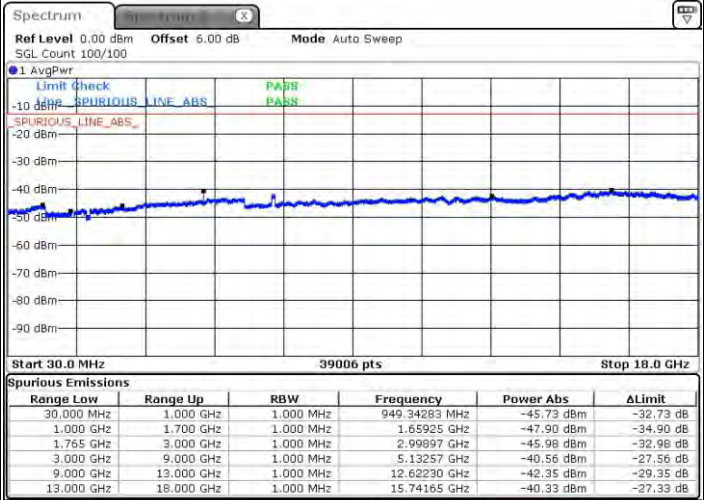
LTE Band 4 / 15MHz

Lowest Channel / QPSK



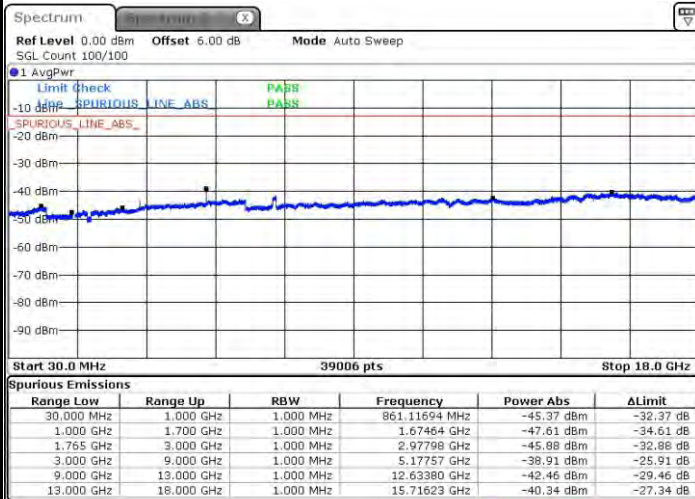
Date: 31.AUG.2015 10:04:43

Lowest Channel / 16QAM



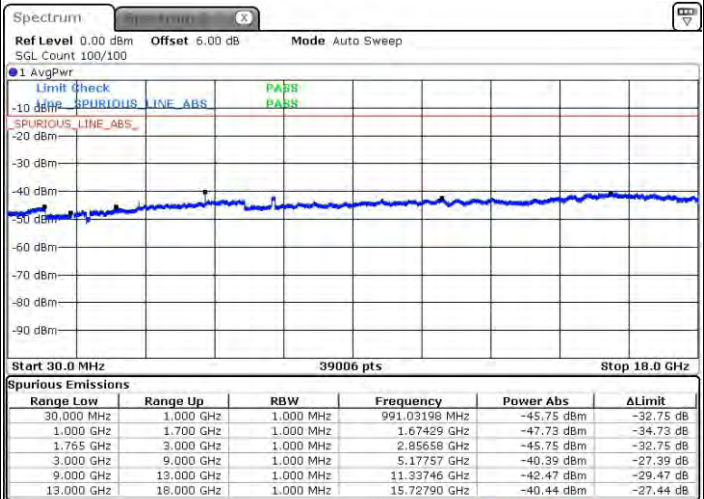
Date: 31.AUG.2015 10:05:53

Middle Channel / QPSK



Date: 31.AUG.2015 10:07:51

Middle Channel / 16QAM

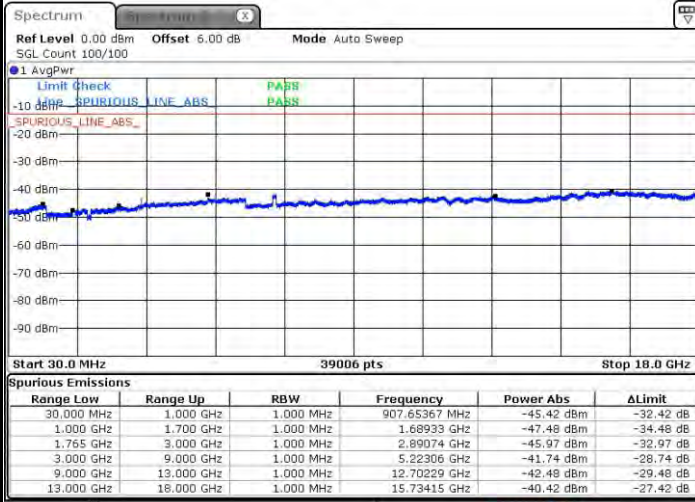


Date: 31.AUG.2015 10:09:02



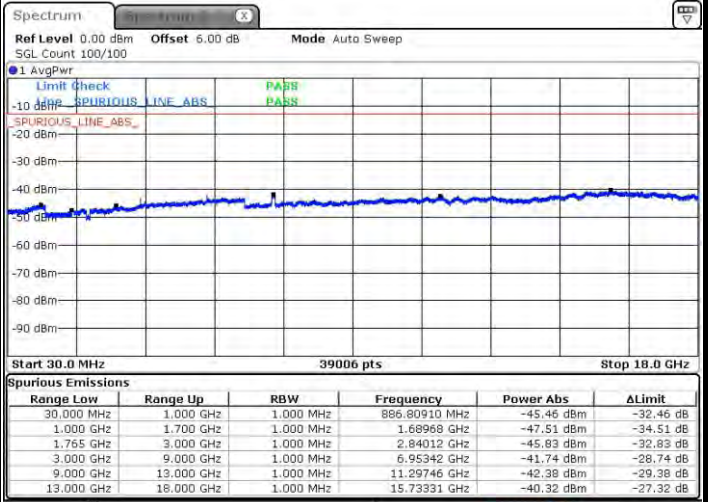
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 31.AUG.2015 10:15:33

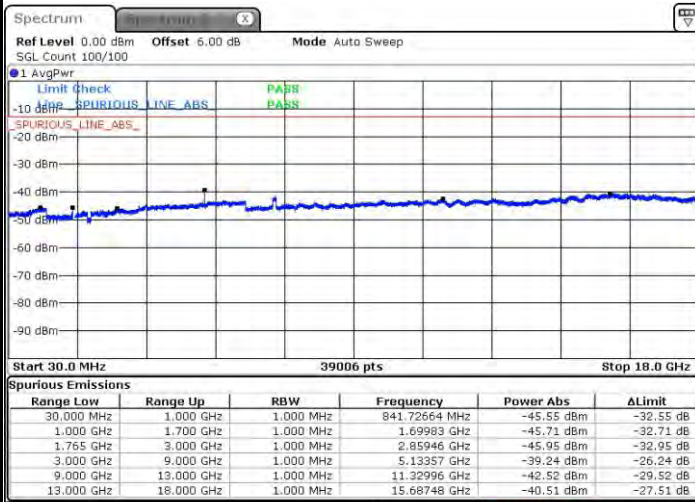
Highest Channel / 16QAM



Date: 31.AUG.2015 10:16:44

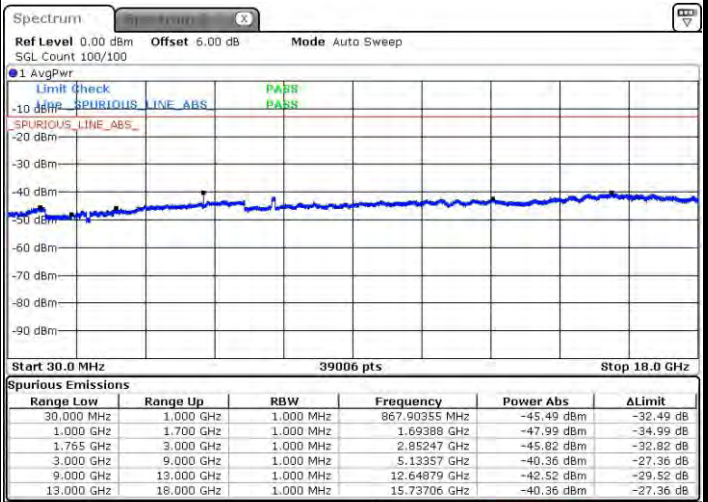
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 31.AUG.2015 10:23:16

Lowest Channel / 16QAM



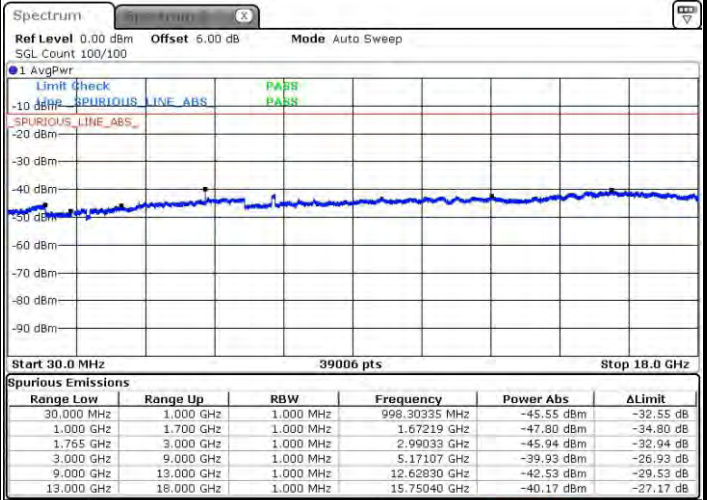
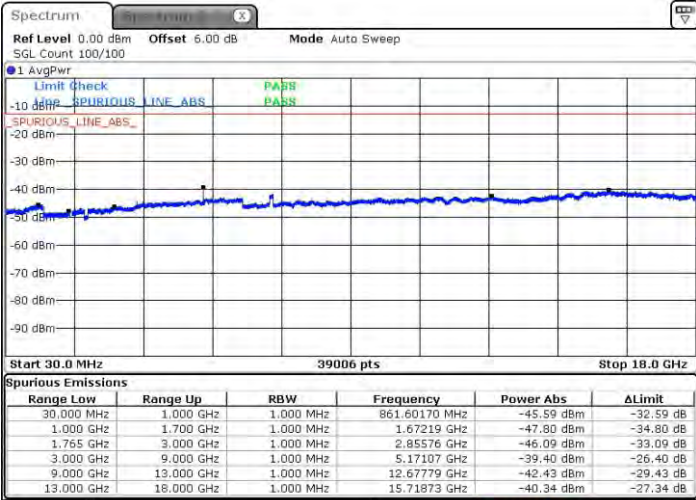
Date: 31.AUG.2015 10:24:27



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

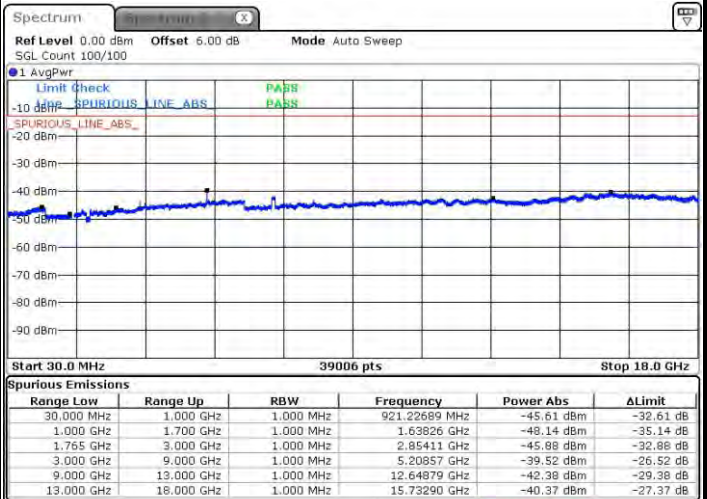
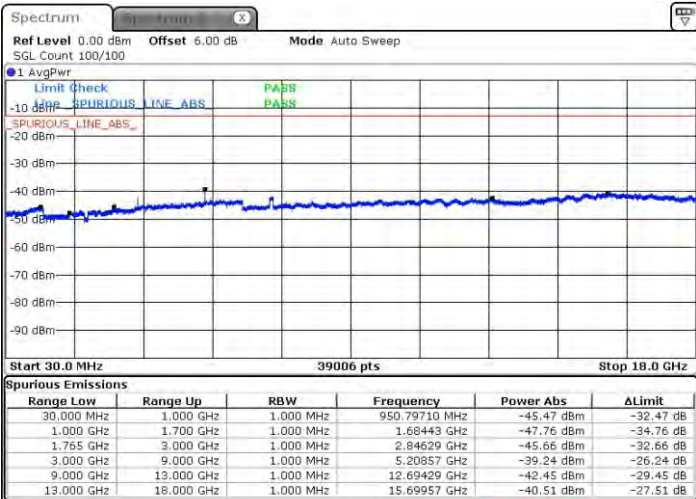


Date: 31.AUG.2015 10:26:24

Date: 31.AUG.2015 10:27:35

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 31.AUG.2015 10:34:06

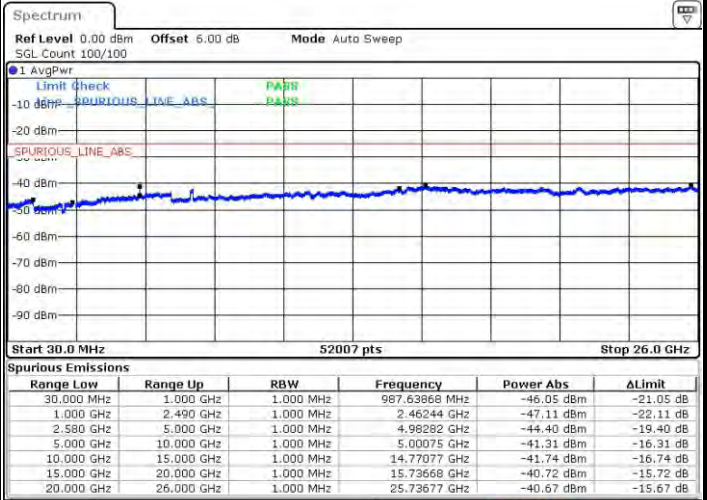
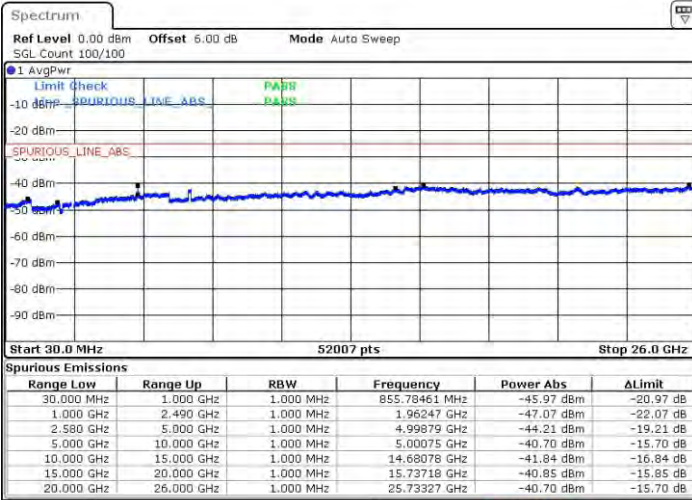
Date: 31.AUG.2015 10:35:17



LTE Band 7 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

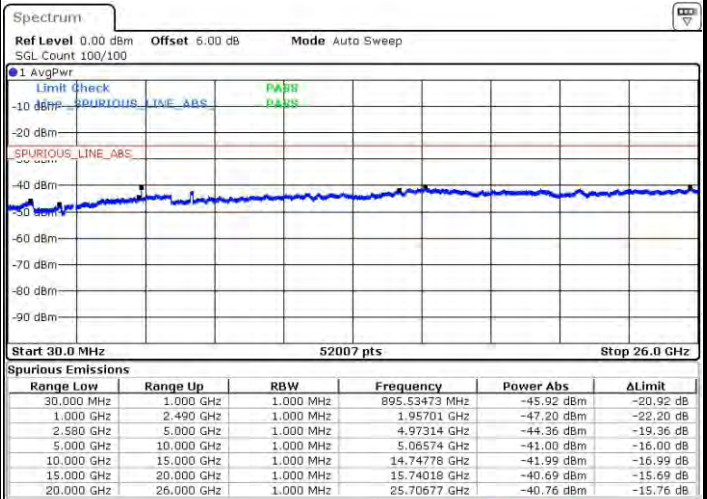
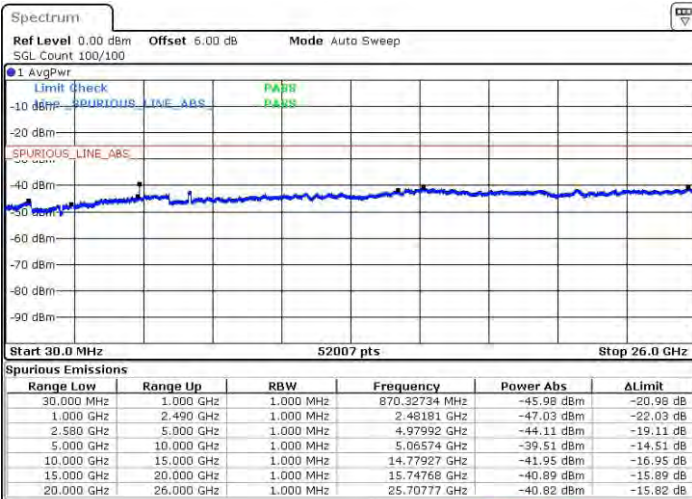


Date: 16 AUG 2015 16:42:32

Date: 16 AUG 2015 16:43:41

Middle Channel / QPSK

Middle Channel / 16QAM



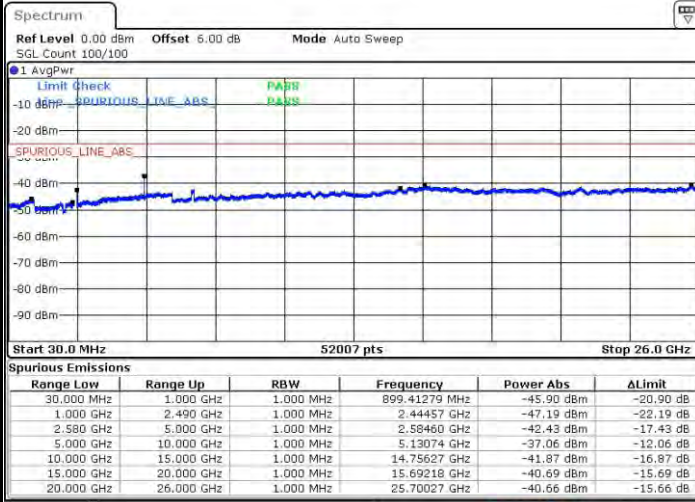
Date: 16 AUG 2015 16:47:21

Date: 16 AUG 2015 16:48:30



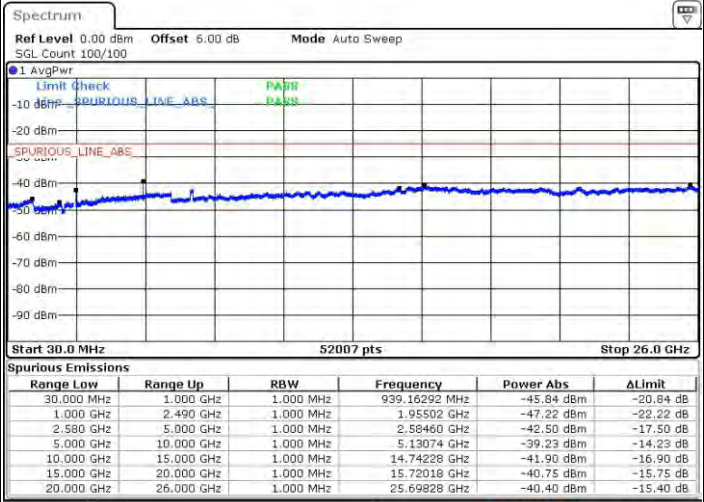
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 16.AUG.2015 16:55:38

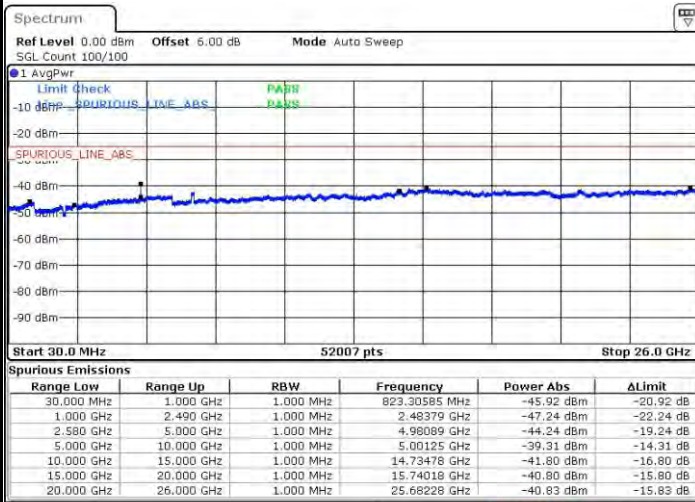
Highest Channel / 16QAM



Date: 16.AUG.2015 16:57:09

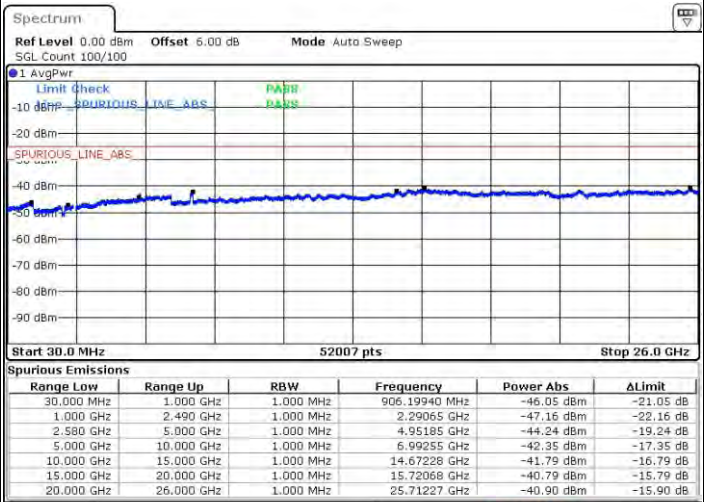
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 16.AUG.2015 17:05:38

Lowest Channel / 16QAM



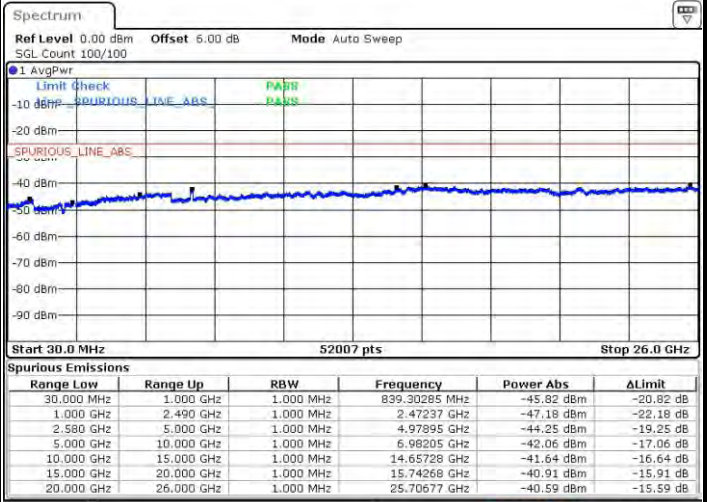
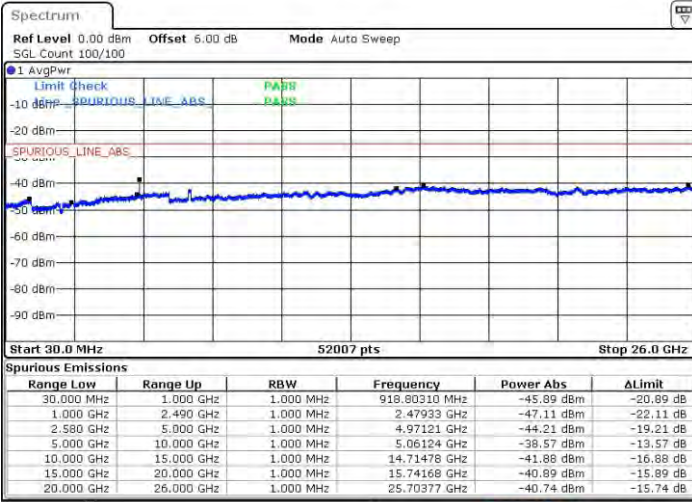
Date: 16.AUG.2015 17:06:48



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

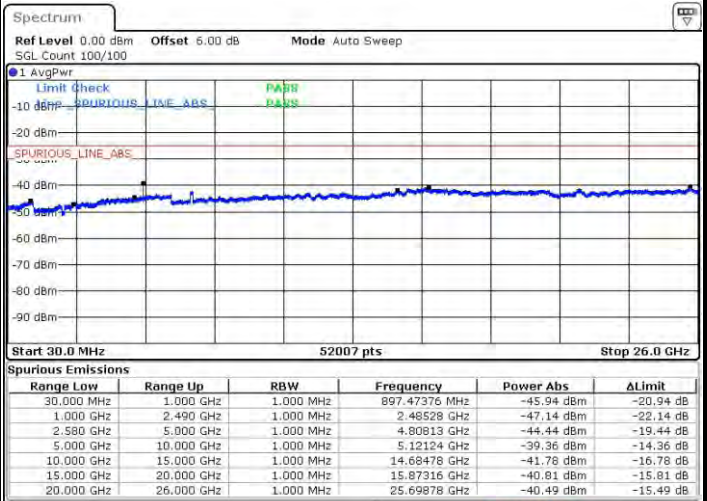
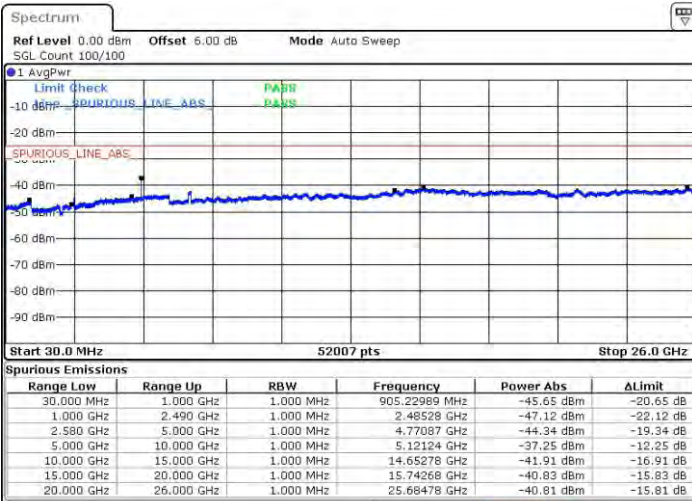


Date: 16 AUG 2015 17:09:06

Date: 16 AUG 2015 17:10:48

Highest Channel / QPSK

Highest Channel / 16QAM



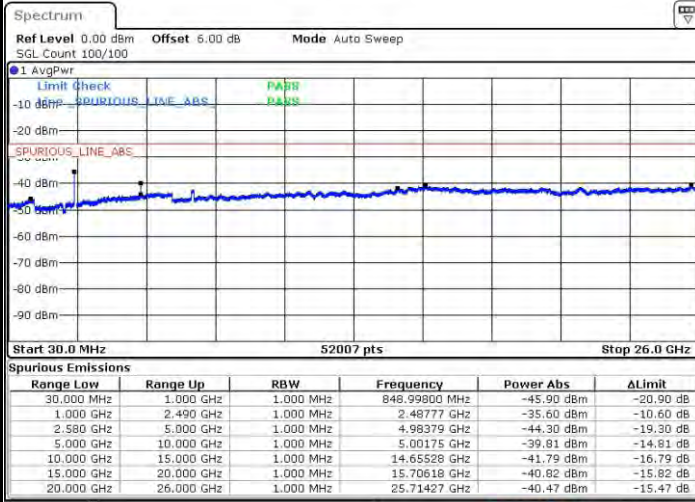
Date: 16 AUG 2015 17:18:57

Date: 16 AUG 2015 17:20:35



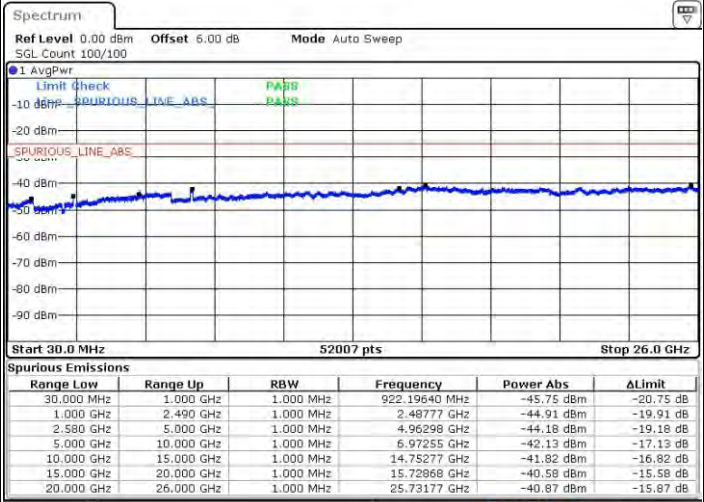
LTE Band 7 / 15MHz

Lowest Channel / QPSK



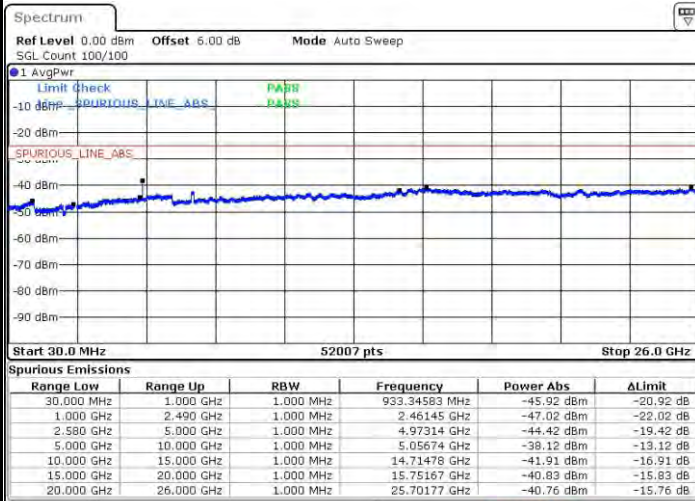
Date: 16 AUG 2015 17:28:25

Lowest Channel / 16QAM



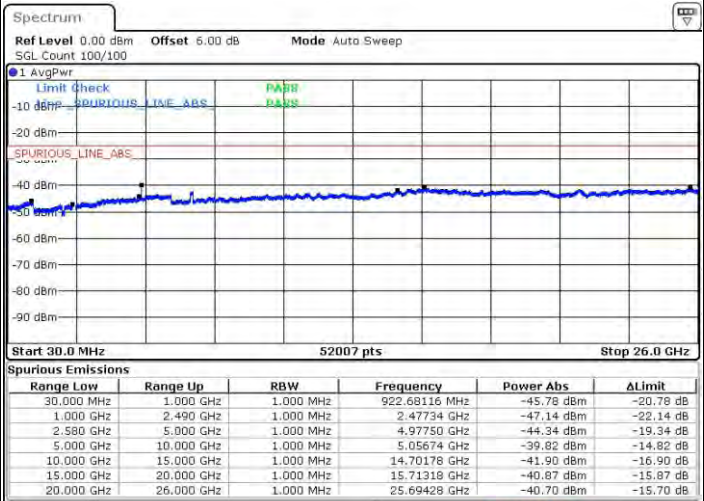
Date: 16 AUG 2015 17:29:34

Middle Channel / QPSK



Date: 16 AUG 2015 18:08:05

Middle Channel / 16QAM

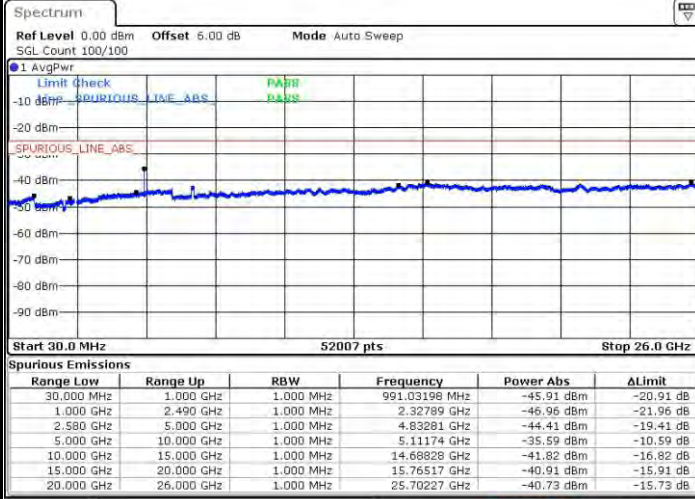


Date: 16 AUG 2015 18:09:14



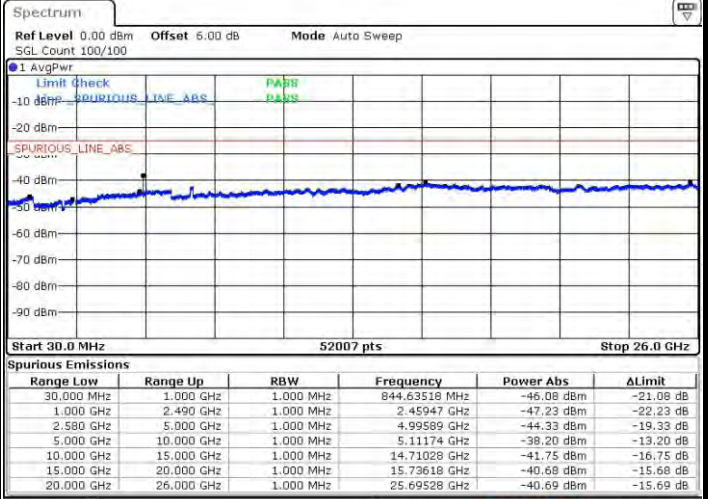
LTE Band 7 / 15MHz

Highest Channel / QPSK



Date: 16 AUG 2015 18:16:25

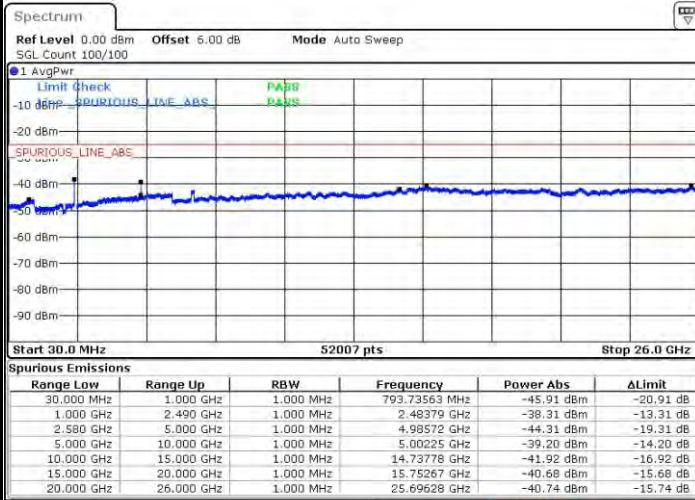
Highest Channel / 16QAM



Date: 16 AUG 2015 18:17:53

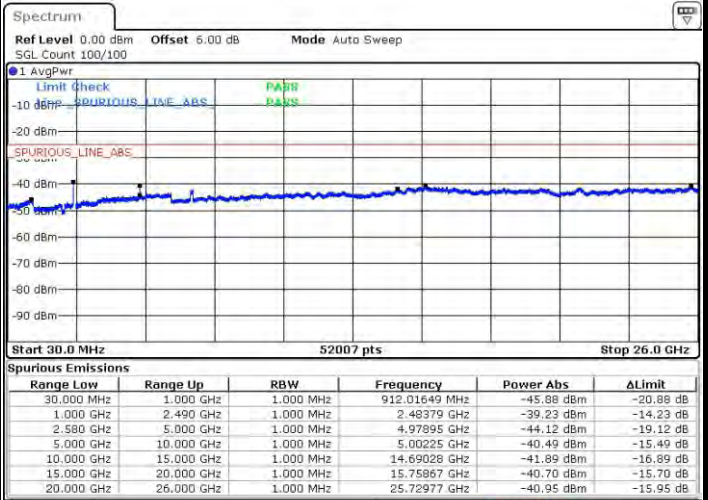
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 16 AUG 2015 18:25:11

Lowest Channel / 16QAM



Date: 16 AUG 2015 18:26:20

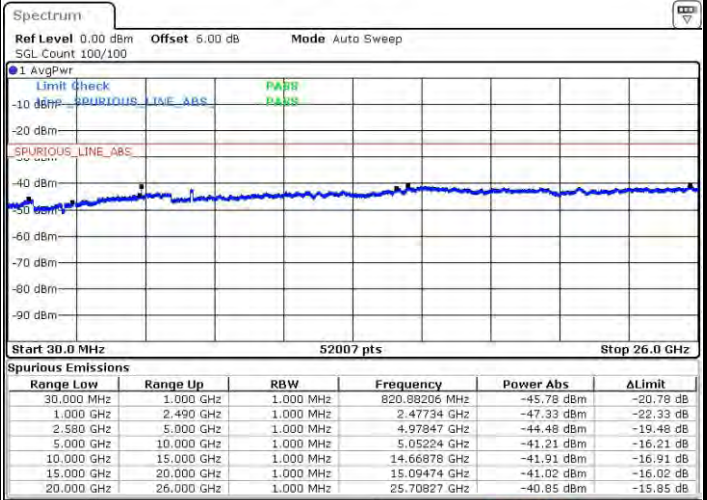
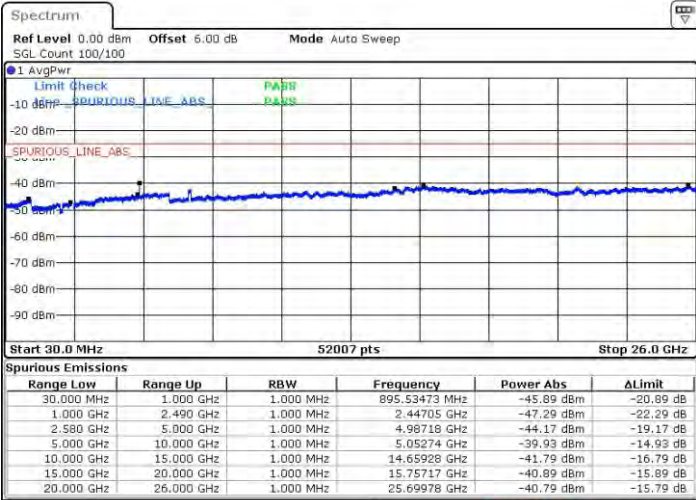




LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

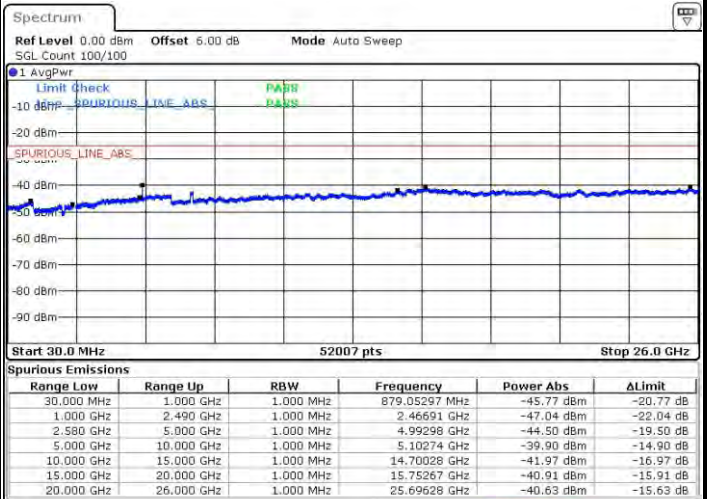
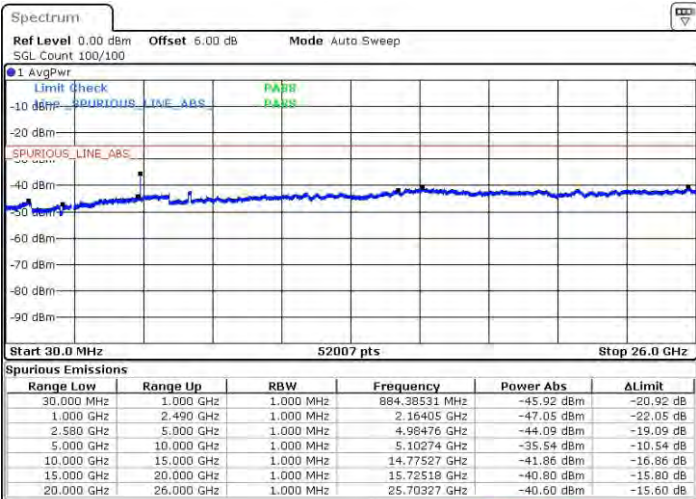


Date: 16.AUG.2015 18:33:30

Date: 16.AUG.2015 18:34:39

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 16.AUG.2015 18:41:21

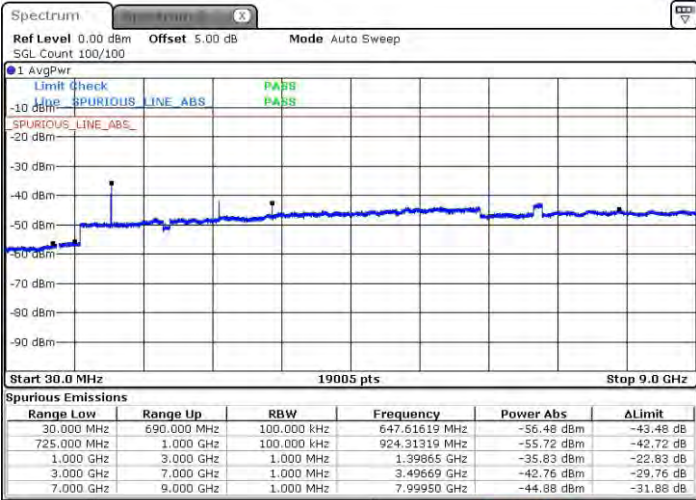
Date: 16.AUG.2015 18:42:30



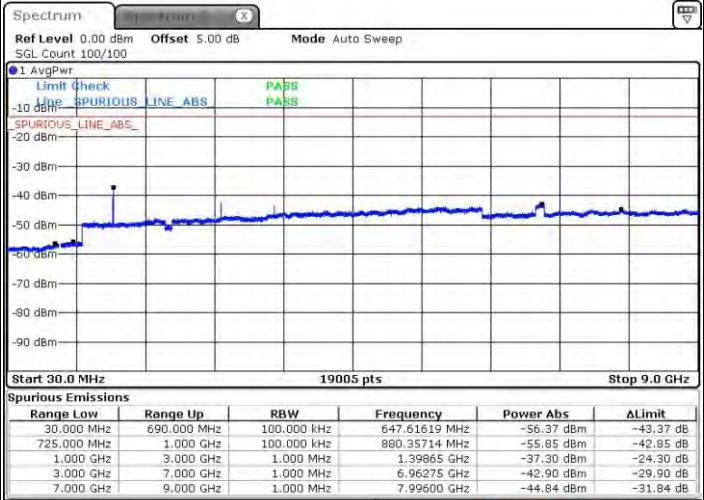
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



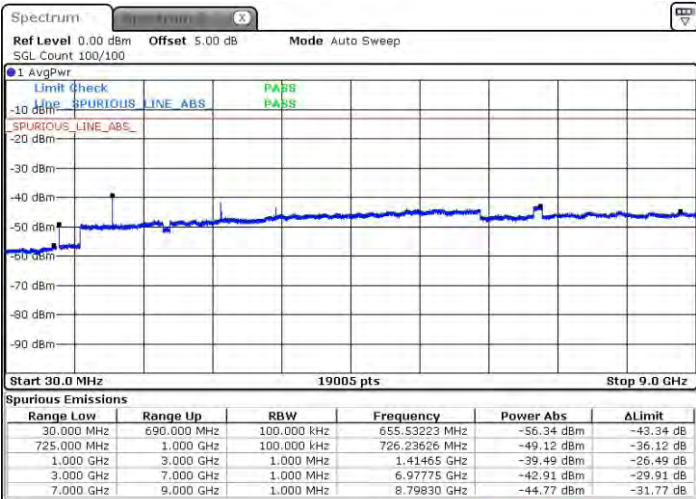
Date: 31.AUG.2015 11:05:27



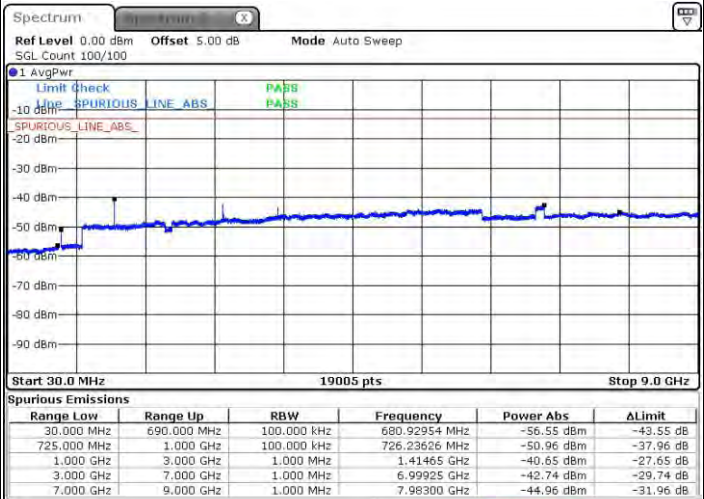
Date: 31.AUG.2015 11:06:38

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 31.AUG.2015 11:08:59

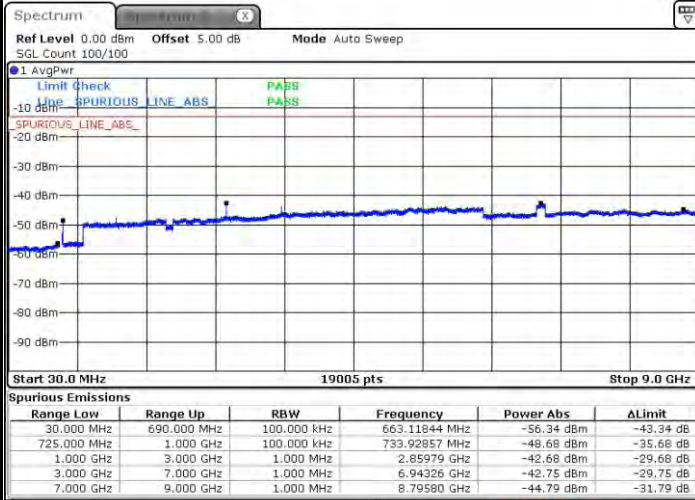


Date: 31.AUG.2015 11:07:48



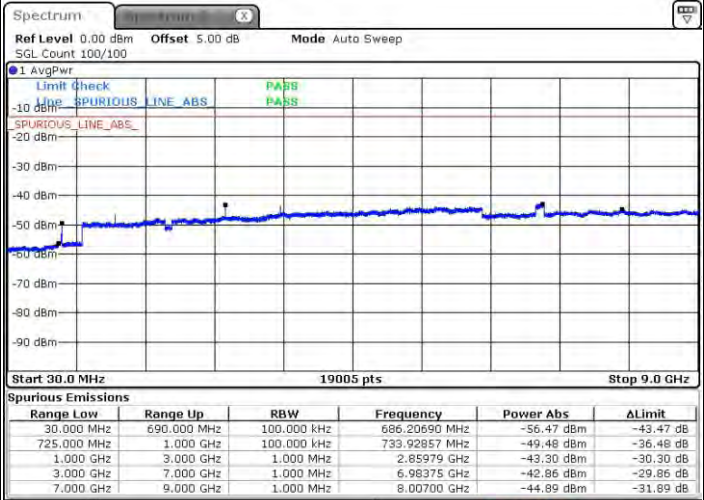
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 31.AUG.2015 11:10:09

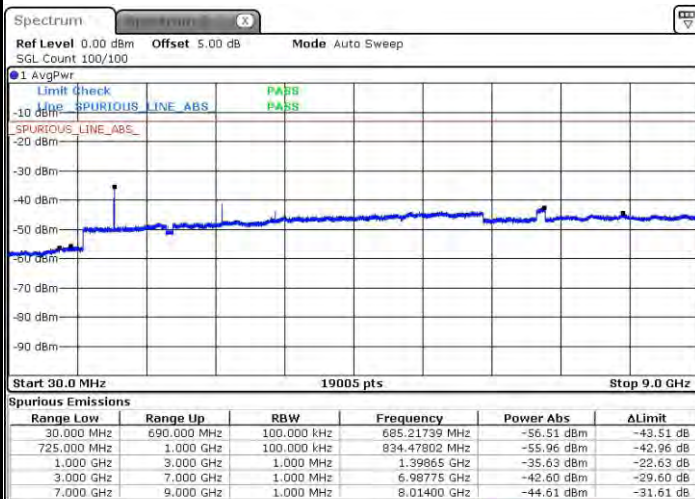
Highest Channel / 16QAM



Date: 31.AUG.2015 11:11:20

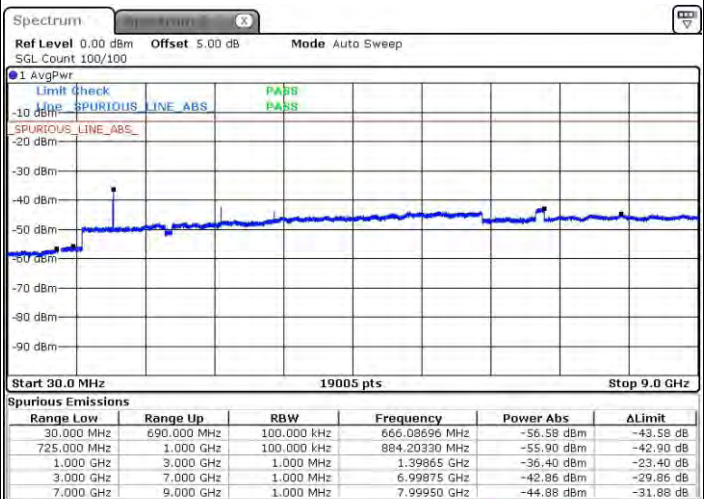
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 31.AUG.2015 11:14:50

Lowest Channel / 16QAM



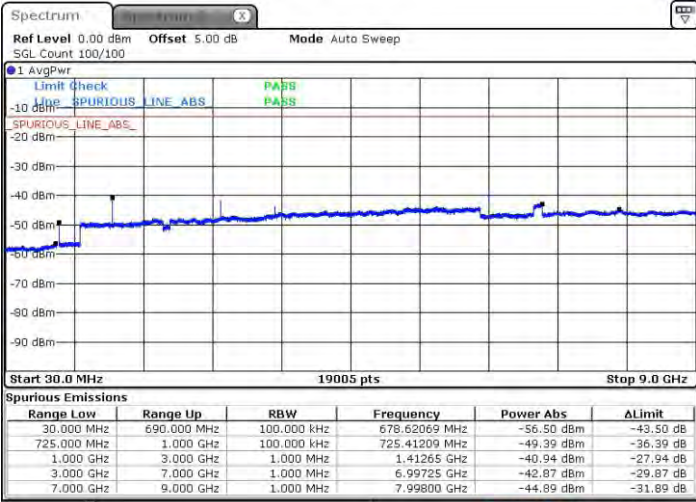
Date: 31.AUG.2015 11:16:01



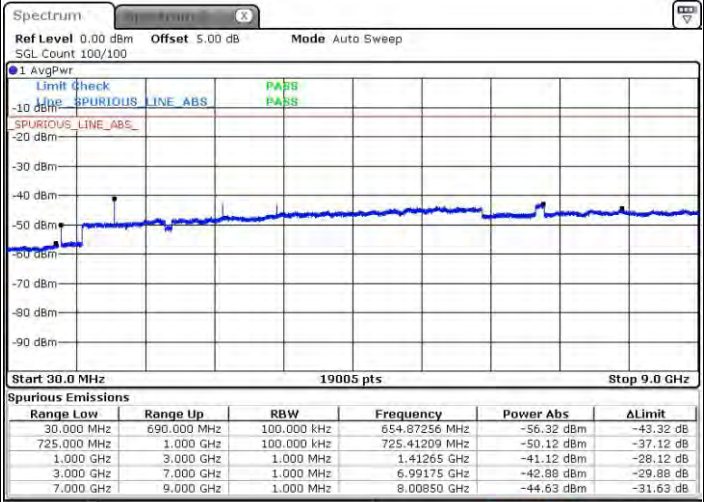
LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



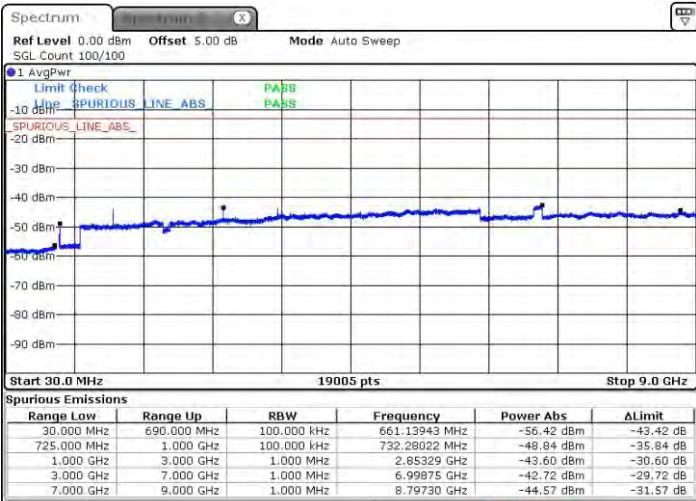
Date: 31.AUG.2015 11:18:22



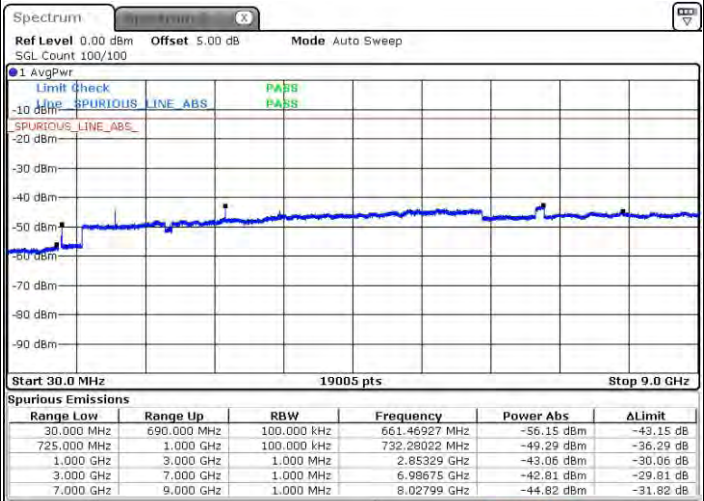
Date: 31.AUG.2015 11:17:12

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 31.AUG.2015 11:19:33



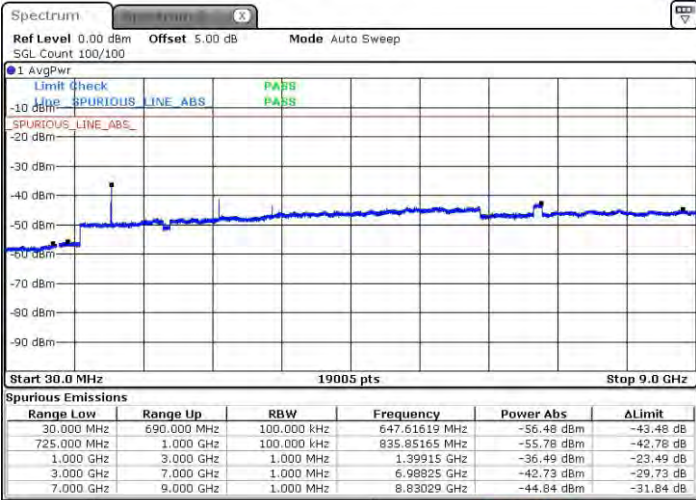
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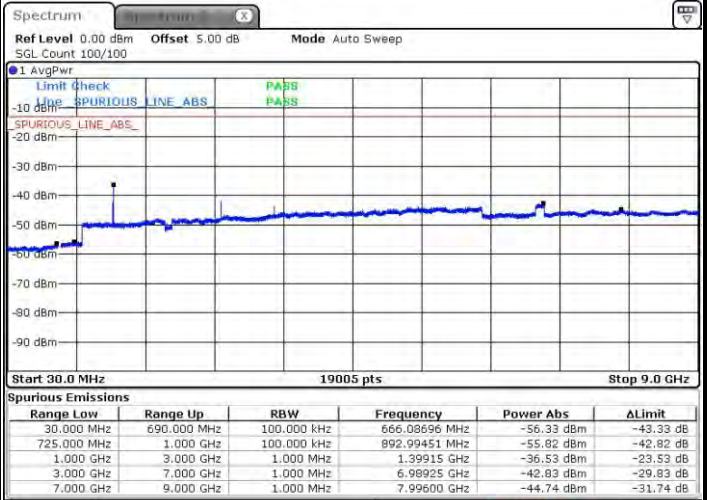
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



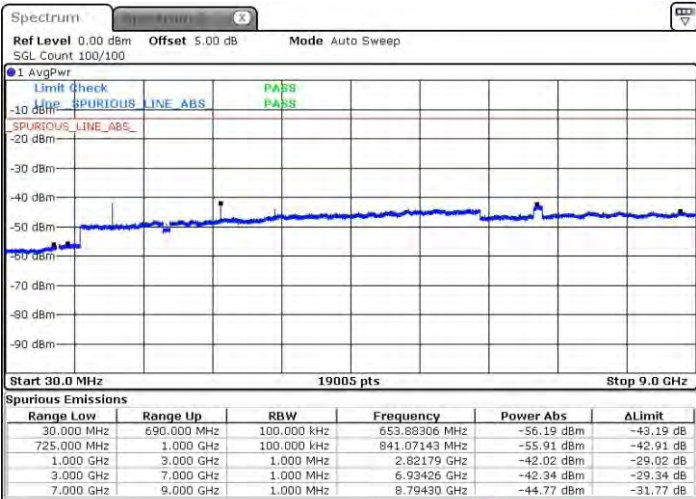
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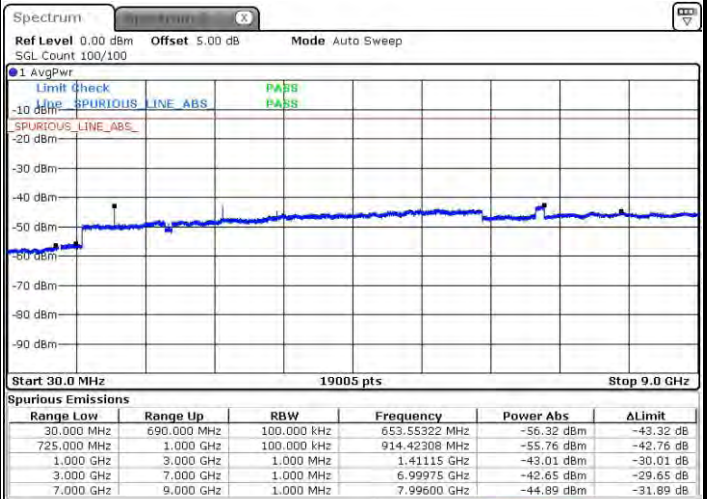
Date: 31.AUG.2015 11:24:14

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 31.AUG.2015 11:26:34

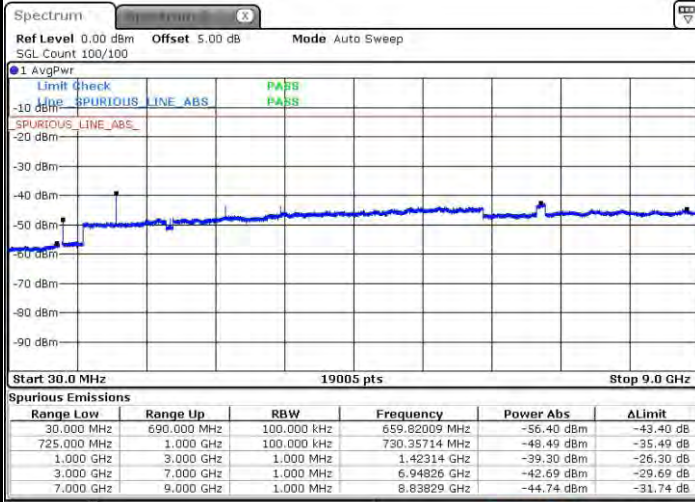


Date: 31.AUG.2015 11:27:45



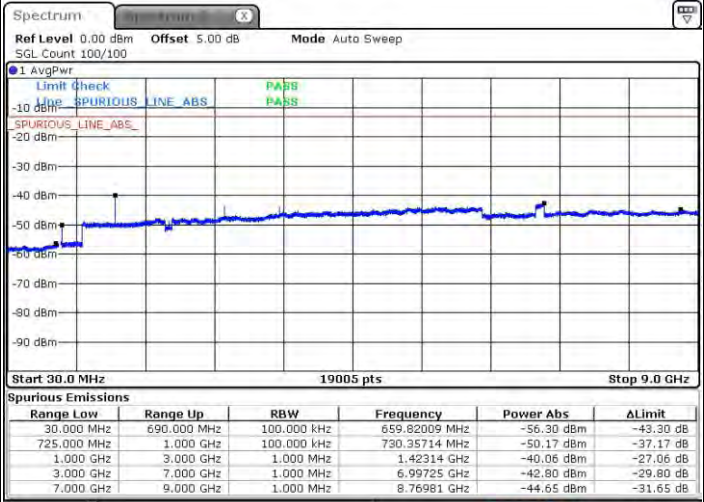
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 31.AUG.2015 11:30:06

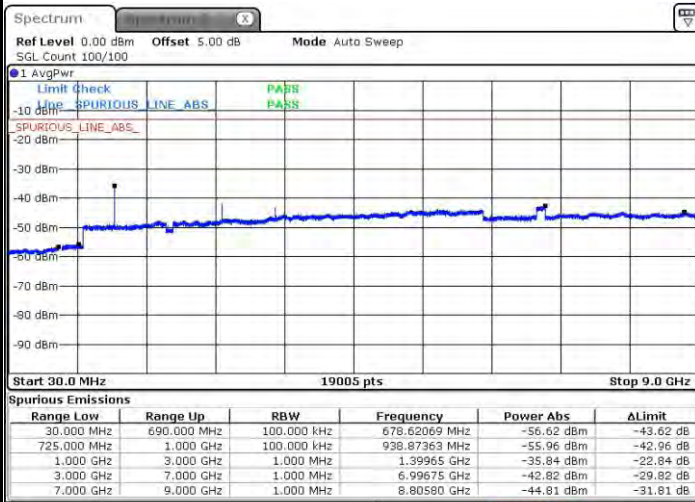
Highest Channel / 16QAM



Date: 31.AUG.2015 11:28:56

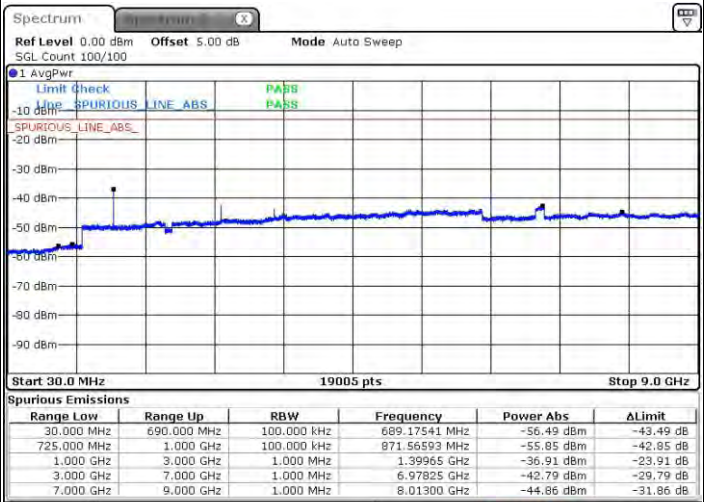
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 31.AUG.2015 11:33:36

Lowest Channel / 16QAM



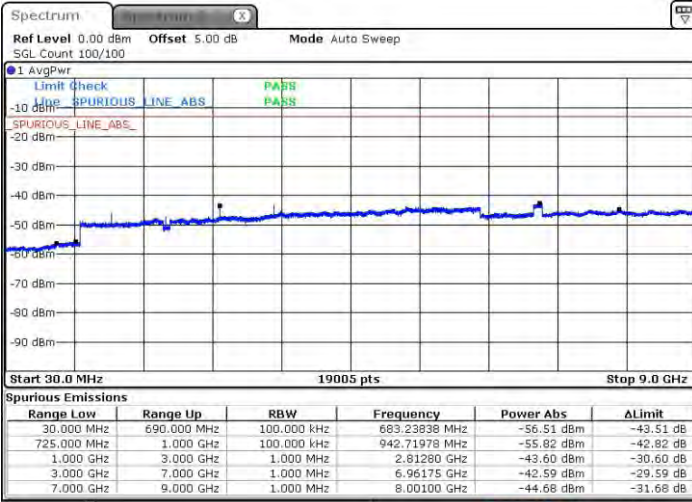
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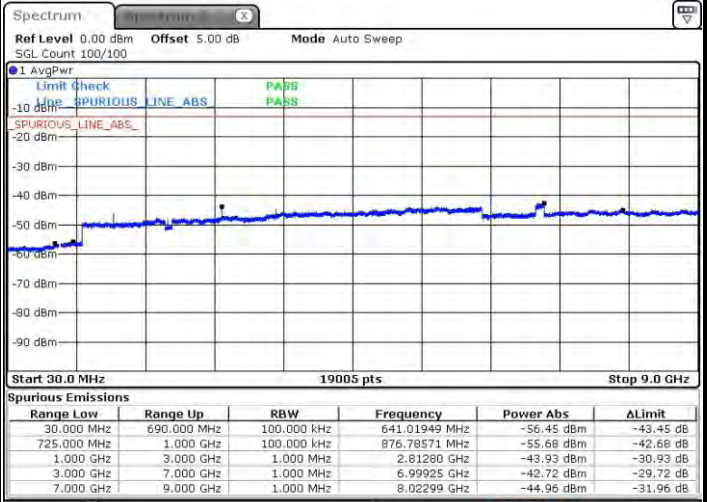
LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



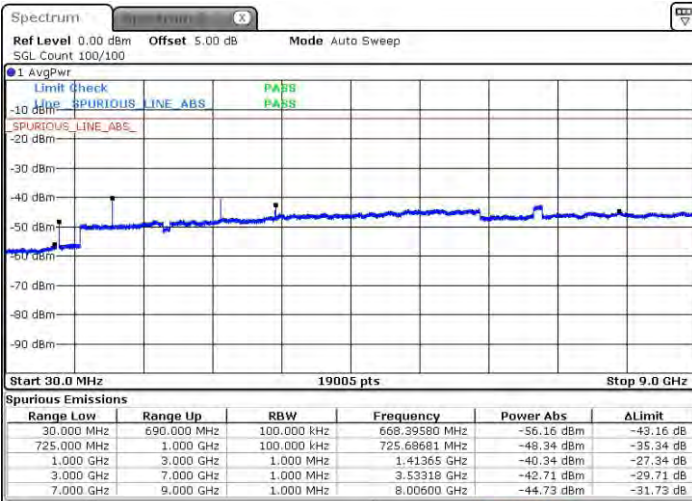
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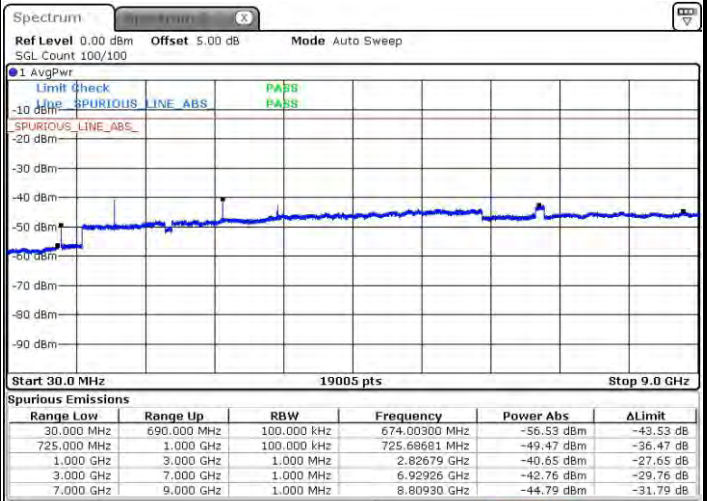
Date: 31.AUG.2015 11:35:58

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 31.AUG.2015 11:38:19



Date: 31.AUG.2015 11:39:29



### 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	0.0399	PASS
40	Normal Voltage	0.0431	
30	Normal Voltage	0.0074	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0096	
0	Normal Voltage	0.0239	
-10	Normal Voltage	0.0271	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0064	
20	Maximum Voltage	0.0330	
20	Normal Voltage	0.0218	
20	Battery End Point	0.0186	

**Note:**

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.40 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 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0115	PASS
40	Normal Voltage	0.0101	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0092	
0	Normal Voltage	0.0087	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0081	
20	Maximum Voltage	0.0095	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0069	

**Note:**

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.40 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	0.0012	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0071	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0059	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0063	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0067	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0047	

**Note:**

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.40 V. ; Maximum Voltage =4.35V
2. Note: 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	0.0071	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0212	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0226	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0184	
-30	Normal Voltage	0.0240	
20	Maximum Voltage	0.0057	
20	Normal Voltage	0.0042	
20	Battery End Point	0.0170	

**Note:**

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.40 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 2 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	2	25.87	0.3864	26.22	0.4188
Middle		3	1	25.42	0.3483	25.66	0.3681
Highest		1	2	26.23	0.4198	26.57	0.4539
Lowest	16QAM	1	0	24.76	0.2992	25.48	0.3532
Middle		3	2	24.45	0.2786	24.70	0.2951
Highest		3	1	24.73	0.2972	24.91	0.3097
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	26.19	0.4159	26.50	0.4467
Middle		1	0	25.98	0.3963	26.53	0.4498
Highest		1	14	26.01	0.3990	26.45	0.4416
Lowest	16QAM	1	14	25.31	0.3396	25.30	0.3388
Middle		1	14	25.05	0.3199	25.17	0.3289
Highest		1	14	25.31	0.3396	25.64	0.3664
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	12	26.24	0.4207	26.44	0.4406
Middle		1	12	26.25	0.4217	26.46	0.4426
Highest		1	24	25.85	0.3846	26.35	0.4315
Lowest	16QAM	1	12	25.12	0.3251	25.35	0.3428
Middle		1	24	25.39	0.3459	25.46	0.3516
Highest		1	24	25.00	0.3162	25.54	0.3581
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	24	26.59	0.4560	26.80	0.4786
Middle		1	24	25.98	0.3963	26.49	0.4457
Highest		1	24	26.32	0.4285	26.57	0.4539
Lowest	16QAM	1	49	25.43	0.3491	25.35	0.3428
Middle		1	0	24.80	0.3020	25.41	0.3475
Highest		1	0	25.43	0.3491	25.89	0.3882
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	26.28	0.4246	26.39	0.4355
Middle		1	37	26.28	0.4246	26.51	0.4477
Highest		1	0	26.29	0.4256	26.55	0.4519
Lowest	16QAM	1	0	25.34	0.3420	24.96	0.3133
Middle		1	0	25.35	0.3428	25.45	0.3508
Highest		1	0	25.14	0.3266	25.39	0.3459
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	49	27.02	0.5035	26.45	0.4416
Middle		1	49	26.91	0.4909	26.37	0.4335
Highest		1	0	26.99	0.5000	26.65	0.4624
Lowest	16QAM	1	0	25.50	0.3548	25.58	0.3614
Middle		1	0	26.16	0.4130	25.74	0.3750
Highest		1	0	25.89	0.3882	25.61	0.3639
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	27.11	0.5140	27.01	0.5023
Middle		1	0	26.84	0.4831	27.28	0.5346
Highest		1	0	26.52	0.4487	27.09	0.5117
Lowest	16QAM	1	0	25.77	0.3776	26.27	0.4236
Middle		1	0	25.81	0.3811	26.65	0.4624
Highest		1	0	25.38	0.3451	25.86	0.3855
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	26.75	0.4732	26.97	0.4977
Middle		1	0	27.17	0.5212	27.07	0.5093
Highest		1	0	26.88	0.4875	27.36	0.5445
Lowest	16QAM	1	0	26.33	0.4295	26.24	0.4207
Middle		1	0	26.31	0.4276	26.61	0.4581
Highest		1	0	25.94	0.3926	26.39	0.4355
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	27.32	0.5395	27.15	0.5188
Middle		1	0	27.10	0.5129	27.33	0.5408
Highest		1	0	26.54	0.4508	27.18	0.5224
Lowest	16QAM	1	0	26.19	0.4159	26.18	0.4150
Middle		1	0	26.09	0.4064	26.66	0.4634
Highest		1	0	25.82	0.3819	26.34	0.4305
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	27.06	0.5082	26.93	0.4932
Middle		1	0	27.24	0.5297	27.41	0.5508
Highest		1	0	26.55	0.4519	27.70	0.5888
Lowest	16QAM	1	0	26.34	0.4305	26.29	0.4256
Middle		1	0	26.27	0.4236	26.02	0.3999
Highest		1	0	25.80	0.3802	26.63	0.4603
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	26.98	0.4989	26.98	0.4989
Middle		1	0	27.07	0.5093	27.39	0.5483
Highest		1	0	26.89	0.4887	27.81	0.6039
Lowest	16QAM	1	0	26.35	0.4315	25.92	0.3908
Middle		1	0	25.81	0.3811	25.93	0.3917
Highest		1	0	26.03	0.4009	26.87	0.4864
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	27.06	0.5082	27.07	0.5093
Middle		1	0	26.75	0.4732	27.00	0.5012
Highest		1	0	26.81	0.4797	27.42	0.5521
Lowest	16QAM	1	0	26.05	0.4027	26.01	0.3990
Middle		1	0	25.96	0.3945	26.19	0.4159
Highest		1	0	25.94	0.3926	26.44	0.4406
Limit	EIRP < 1W			Result		PASS	





LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.55	0.1799	23.47	0.2223
Middle		1	12	23.06	0.2023	23.78	0.2388
Highest		1	12	23.67	0.2328	23.99	0.2506
Lowest	16QAM	1	24	21.28	0.1343	22.29	0.1694
Middle		1	0	21.94	0.1563	22.67	0.1849
Highest		1	24	22.67	0.1849	22.74	0.1879
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.22	0.1667	23.34	0.2158
Middle		1	24	22.89	0.1945	23.60	0.2291
Highest		1	0	23.49	0.2234	23.70	0.2344
Lowest	16QAM	1	24	21.40	0.1380	22.33	0.1710
Middle		1	49	22.33	0.1710	22.76	0.1888
Highest		1	0	22.76	0.1888	22.86	0.1932
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	22.23	0.1671	23.62	0.2301
Middle		1	0	22.75	0.1884	23.58	0.2280
Highest		1	0	23.70	0.2344	23.98	0.2500
Lowest	16QAM	1	74	21.42	0.1387	22.22	0.1667
Middle		1	74	22.03	0.1596	22.71	0.1866
Highest		1	0	22.64	0.1837	22.89	0.1945
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.36	0.1722	23.10	0.2042
Middle		1	0	22.95	0.1972	23.68	0.2333
Highest		1	0	23.10	0.2042	23.87	0.2438
Lowest	16QAM	1	49	21.40	0.1380	22.35	0.1718
Middle		1	0	21.82	0.1521	22.50	0.1778
Highest		1	0	22.47	0.1766	22.89	0.1945
Limit	EIRP < 2W			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	2	20.90	0.1230	0.34	0.0011
Middle		1	2	20.90	0.1230	1.00	0.0013
Highest		1	2	20.42	0.1102	1.22	0.0013
Lowest	16QAM	1	2	19.70	0.0933	-0.81	0.0008
Middle		1	2	19.85	0.0966	-0.20	0.0010
Highest		1	2	19.48	0.0887	-0.37	0.0009
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	7	20.67	0.1167	0.05	0.0010
Middle		1	7	21.15	0.1303	0.96	0.0012
Highest		1	7	20.67	0.1167	0.90	0.0012
Lowest	16QAM	1	7	19.98	0.0995	-0.64	0.0009
Middle		1	7	19.95	0.0989	-0.43	0.0009
Highest		1	7	19.75	0.0944	-0.52	0.0009
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	12	21.10	0.1288	0.47	0.0011
Middle		1	12	21.14	0.1300	1.32	0.0014
Highest		1	12	19.37	0.0865	-0.34	0.0009
Lowest	16QAM	1	12	20.01	0.1002	-0.67	0.0009
Middle		1	12	20.25	0.1059	-0.44	0.0009
Highest		1	12	19.89	0.0975	-0.54	0.0009
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	24	20.96	0.1247	0.17	0.0010
Middle		1	24	20.89	0.1227	0.51	0.0011
Highest		1	24	21.37	0.1371	0.64	0.0012
Lowest	16QAM	1	24	20.08	0.1019	-0.41	0.0009
Middle		1	24	19.52	0.0895	-0.73	0.0008
Highest		1	24	19.57	0.0906	-0.73	0.0008
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)
Lowest	3699	-50.71	-13	-37.71	-64.91	-55.31	3	7.60	H
	5553	-33.55	-13	-20.55	-51.45	-39.81	3.84	10.10	H
	7401	-44.03	-13	-31.03	-63.81	-51.53	4.43	11.93	H
	3699	-53.68	-13	-40.68	-66.17	-58.28	3	7.60	V
	5553	-33.19	-13	-20.19	-51.44	-39.45	3.84	10.10	V
	7401	-46.09	-13	-33.09	-63.88	-53.59	4.43	11.93	V
Middle	3759	-52.59	-13	-39.59	-66.79	-57.19	3	7.60	H
	5640	-24.67	-13	-11.67	-45.51	-30.93	3.84	10.10	H
	7518	-41.40	-13	-28.40	-61.18	-48.90	4.43	11.93	H
	9399	-46.77	-13	-33.77	-66.03	-54.43	4.92	12.58	H
	11277	-39.21	-13	-26.21	-60.84	-45.66	5.95	12.40	H
	3759	-54.90	-13	-41.90	-67.39	-59.50	3	7.60	V
	5640	-31.66	-13	-18.66	-50.33	-37.92	3.84	10.10	V
	7518	-47.43	-13	-34.43	-65.22	-54.93	4.43	11.93	V
	9399	-46.53	-13	-33.53	-67.34	-54.19	4.92	12.58	V
	11277	-41.32	-13	-28.32	-62.28	-47.77	5.95	12.40	V
Highest	3817.8	-52.19	-13	-39.19	-66.39	-56.79	3	7.60	H
	5730	-29.46	-13	-16.46	-48.42	-35.72	3.84	10.10	H
	7635	-41.82	-13	-28.82	-61.60	-49.32	4.43	11.93	H
	3816	-54.65	-13	-41.65	-67.14	-59.25	3	7.60	V
	5727	-39.30	-13	-26.30	-54.8	-45.56	3.84	10.10	V
	7632	-44.84	-13	-31.84	-62.63	-52.34	4.43	11.93	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)
Lowest	3702	-51.48	-13	-38.48	-65.68	-56.08	3	7.60	H
	5553	-25.58	-13	-12.58	-46.22	-31.84	3.84	10.10	H
	7404	-45.04	-13	-32.04	-64.82	-52.54	4.43	11.93	H
	3702	-54.04	-13	-41.04	-66.53	-58.64	3	7.60	V
	5553	-28.26	-13	-15.26	-47.46	-34.52	3.84	10.10	V
	7404	-46.99	-13	-33.99	-64.78	-54.49	4.43	11.93	V
Middle	3756	-52.62	-13	-39.62	-66.82	-57.22	3	7.60	H
	5637	-24.85	-13	-11.85	-45.64	-31.11	3.84	10.10	H
	7515	-40.73	-13	-27.73	-60.51	-48.23	4.43	11.93	H
	9393	-43.80	-13	-30.80	-63.06	-51.46	4.92	12.58	H
	11274	-39.92	-13	-26.92	-61.55	-46.37	5.95	12.40	H
	3756	-54.68	-13	-41.68	-67.17	-59.28	3	7.60	V
	5637	-29.93	-13	-16.93	-48.92	-36.19	3.84	10.10	V
	7515	-46.14	-13	-33.14	-63.93	-53.64	4.43	11.93	V
	9393	-45.63	-13	-32.63	-66.44	-53.29	4.92	12.58	V
11274	-41.47	-13	-28.47	-62.43	-47.92	5.95	12.40	V	
Highest	3814	-53.00	-13	-40.00	-67.20	-57.60	3	7.60	H
	5730	-35.40	-13	-22.40	-52.73	-41.66	3.84	10.10	H
	7629	-43.93	-13	-30.93	-63.71	-51.43	4.43	11.93	H
	3813	-55.38	-13	-42.38	-67.87	-59.98	3	7.60	V
	5727	-45.02	-13	-32.02	-57.43	-51.28	3.84	10.10	V
	7629	-44.38	-13	-31.38	-62.17	-51.88	4.43	11.93	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)
Lowest	3702	-51.29	-13	-38.29	-65.49	-55.89	3	7.60	H
	5553	-26.47	-13	-13.47	-46.92	-32.73	3.84	10.10	H
	7401	-44.11	-13	-31.11	-63.89	-51.61	4.43	11.93	H
	3702	-53.31	-13	-40.31	-65.8	-57.91	3	7.60	V
	5553	-28.06	-13	-15.06	-47.26	-34.32	3.84	10.10	V
	7401	-46.24	-13	-33.24	-64.03	-53.74	4.43	11.93	V
Middle	3756	-51.28	-13	-38.28	-65.48	-55.88	3	7.60	H
	5634	-29.57	-13	-16.57	-48.52	-35.83	3.84	10.10	H
	7512	-40.55	-13	-27.55	-60.33	-48.05	4.43	11.93	H
	9390	-46.64	-13	-33.64	-65.90	-54.30	4.92	12.58	H
	11268	-40.09	-13	-27.09	-61.72	-46.54	5.95	12.40	H
	3756	-53.96	-13	-40.96	-66.45	-58.56	3	7.60	V
	5634	-32.91	-13	-19.91	-51.23	-39.17	3.84	10.10	V
	7512	-46.44	-13	-33.44	-64.23	-53.94	4.43	11.93	V
	9390	-45.72	-13	-32.72	-66.53	-53.38	4.92	12.58	V
11268	-40.58	-13	-27.58	-61.54	-47.03	5.95	12.40	V	
Highest	3810	-52.66	-13	-39.66	-66.86	-57.26	3	7.60	H
	5724	-36.74	-13	-23.74	-53.48	-43.00	3.84	10.10	H
	7620	-43.06	-13	-30.06	-62.84	-50.56	4.43	11.93	H
	3810	-55.05	-13	-42.05	-67.54	-59.65	3	7.60	V
	5724	-44.47	-13	-31.47	-56.88	-50.73	3.84	10.10	V
	7620	-46.12	-13	-33.12	-63.91	-53.62	4.43	11.93	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)
Lowest	3702	-50.42	-13	-37.42	-64.62	-55.02	3	7.60	H
	5553	-25.78	-13	-12.78	-46.38	-32.04	3.84	10.10	H
	7404	-43.13	-13	-30.13	-62.91	-50.63	4.43	11.93	H
	3701	-53.48	-13	-40.48	-65.97	-58.08	3	7.60	V
	5553	-28.43	-13	-15.43	-47.63	-34.69	3.84	10.10	V
	7404	-46.43	-13	-33.43	-64.22	-53.93	4.43	11.93	V
Middle	3750	-51.51	-13	-38.51	-65.71	-56.11	3	7.60	H
	5628	-26.92	-13	-13.92	-47.26	-33.18	3.84	10.10	H
	7503	-41.07	-13	-28.07	-60.85	-48.57	4.43	11.93	H
	9378.4	-46.43	-13	-33.43	-65.69	-54.09	4.92	12.58	H
	11256	-39.45	-13	-26.45	-61.08	-45.90	5.95	12.40	H
	3751	-53.98	-13	-40.98	-66.47	-58.58	3	7.60	V
	5628	-37.37	-13	-24.37	-53.88	-43.63	3.84	10.10	V
	7503	-45.38	-13	-32.38	-63.17	-52.88	4.43	11.93	V
	9378	-46.56	-13	-33.56	-67.37	-54.22	4.92	12.58	V
11253	-40.70	-13	-27.70	-61.66	-47.15	5.95	12.40	V	
Highest	3801	-52.39	-13	-39.39	-66.59	-56.99	3	7.60	H
	5703	-33.24	-13	-20.24	-51.18	-39.50	3.84	10.10	H
	7602	-42.22	-13	-29.22	-62.00	-49.72	4.43	11.93	H
	3801	-54.90	-13	-41.90	-67.39	-59.50	3	7.60	V
	5703	-37.20	-13	-24.20	-53.78	-43.46	3.84	10.10	V
	7605	-46.05	-13	-33.05	-63.84	-53.55	4.43	11.93	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)
Lowest	3702	-49.82	-13	-36.82	-64.02	-54.42	3	7.60	H
	5553	-26.76	-13	-13.76	-47.14	-33.02	3.84	10.10	H
	7404	-43.49	-13	-30.49	-63.27	-50.99	4.43	11.93	H
	3702	-53.48	-13	-40.48	-65.97	-58.08	3	7.60	V
	5553	-28.93	-13	-15.93	-48.13	-35.19	3.84	10.10	V
	7404	-45.36	-13	-32.36	-63.15	-52.86	4.43	11.93	V
Middle	3747	-51.81	-13	-38.81	-66.01	-56.41	3	7.60	H
	5622	-28.70	-13	-15.70	-47.83	-34.96	3.84	10.10	H
	7494	-41.26	-13	-28.26	-61.04	-48.76	4.43	11.93	H
	9369	-47.22	-13	-34.22	-66.48	-54.88	4.92	12.58	H
	11241	-39.98	-13	-26.98	-61.61	-46.43	5.95	12.40	H
	3747	-54.44	-13	-41.44	-66.93	-59.04	3	7.60	V
	5622	-31.81	-13	-18.81	-50.44	-38.07	3.84	10.10	V
	7494	-45.87	-13	-32.87	-63.66	-53.37	4.43	11.93	V
	9369	-44.77	-13	-31.77	-65.58	-52.43	4.92	12.58	V
11242	-42.28	-13	-29.28	-63.24	-48.73	5.95	12.40	V	
Highest	3801	-52.58	-13	-39.58	-66.78	-57.18	3	7.60	H
	5688	-33.18	-13	-20.18	-51.12	-39.44	3.84	10.10	H
	7602	-44.05	-13	-31.05	-63.83	-51.55	4.43	11.93	H
	3801	-54.58	-13	-41.58	-67.07	-59.18	3	7.60	V
	5688	-41.31	-13	-28.31	-55.94	-47.57	3.84	10.10	V
	7602	-45.45	-13	-32.45	-63.24	-52.95	4.43	11.93	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)
Lowest	3702	-49.63	-13	-36.63	-63.83	-54.23	3	7.60	H
	5556	-24.62	-13	-11.62	-45.47	-30.88	3.84	10.10	H
	7404	-43.54	-13	-30.54	-63.32	-51.04	4.43	11.93	H
	3702	-53.22	-13	-40.22	-65.71	-57.82	3	7.60	V
	5556	-29.90	-13	-16.90	-48.9	-36.16	3.84	10.10	V
	7404	-46.24	-13	-33.24	-64.03	-53.74	4.43	11.93	V
Middle	3741	-51.65	-13	-38.65	-65.85	-56.25	3	7.60	H
	5616	-26.23	-13	-13.23	-46.74	-32.49	3.84	10.10	H
	7485	-43.54	-13	-30.54	-63.32	-51.04	4.43	11.93	H
	3741	-53.75	-13	-40.75	-66.24	-58.35	3	7.60	V
	5616	-31.56	-13	-18.56	-50.25	-37.82	3.84	10.10	V
	7485	-46.36	-13	-33.36	-64.15	-53.86	4.43	11.93	V
Highest	3782	-51.85	-13	-38.85	-66.05	-56.45	3	7.60	H
	5676	-28.75	-13	-15.75	-47.86	-35.01	3.84	10.10	H
	7563	-43.48	-13	-30.48	-63.26	-50.98	4.43	11.93	H
	3783	-54.55	-13	-41.55	-67.04	-59.15	3	7.60	V
	5676	-32.67	-13	-19.67	-51.06	-38.93	3.84	10.10	V
	7563	-47.70	-13	-34.70	-65.49	-55.20	4.43	11.93	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)
Lowest	3420.68	-50.66	-13	-37.66	-64.79	-55.03	3.12	7.49	H
	5133	-44.11	-13	-31.11	-57.26	-49.91	3.65	9.45	H
	6840	-43.33	-13	-30.33	-60.19	-50.53	4.15	11.35	H
	3420	-51.70	-13	-38.70	-64.52	-56.07	3.12	7.49	V
	5131.02	-44.59	-13	-31.59	-58.6	-50.39	3.65	9.45	V
	6840	-46.27	-13	-33.27	-61.52	-53.47	4.15	11.35	V
Middle	3465	-47.71	-13	-34.71	-61.84	-52.08	3.12	7.49	H
	5199	-39.50	-13	-26.50	-54.54	-45.30	3.65	9.45	H
	6930	-44.70	-13	-31.70	-61.56	-51.90	4.15	11.35	H
	3462	-48.61	-13	-35.61	-61.43	-52.98	3.12	7.49	V
	5196	-40.70	-13	-27.70	-55.54	-46.50	3.65	9.45	V
	6928.5	-46.85	-13	-33.85	-62.1	-54.05	4.15	11.35	V
Highest	3507	-52.31	-13	-39.31	-66.44	-56.68	3.12	7.49	H
	5261.8	-49.22	-13	-36.22	-62.37	-55.02	3.65	9.45	H
	7017	-43.90	-13	-30.90	-60.76	-51.10	4.15	11.35	H
	3507	-53.87	-13	-40.87	-66.69	-58.24	3.12	7.49	V
	5261.8	-48.94	-13	-35.94	-62.95	-54.74	3.65	9.45	V
	7017	-45.62	-13	-32.62	-60.87	-52.82	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)
Lowest	3420	-52.18	-13	-39.18	-66.31	-56.55	3.12	7.49	H
	5133	-46.24	-13	-33.24	-59.39	-52.04	3.65	9.45	H
	6841	-47.08	-13	-34.08	-63.94	-54.28	4.15	11.35	H
	3420	-53.42	-13	-40.42	-66.24	-57.79	3.12	7.49	V
	5131	-48.41	-13	-35.41	-62.42	-54.21	3.65	9.45	V
	6841	-48.40	-13	-35.40	-63.66	-55.60	4.15	11.35	V
Middle	3462	-43.08	-13	-30.08	-58.61	-47.45	3.12	7.49	H
	5196	-37.54	-13	-24.54	-53.21	-43.34	3.65	9.45	H
	6924	-41.88	-13	-28.88	-58.74	-49.08	4.15	11.35	H
	3462	-48.31	-13	-35.31	-61.13	-52.68	3.12	7.49	V
	5196	-37.16	-13	-24.16	-53.59	-42.96	3.65	9.45	V
	6924	-44.99	-13	-31.99	-60.24	-52.19	4.15	11.35	V
Highest	3504	-52.71	-13	-39.71	-66.84	-57.08	3.12	7.49	H
	5257	-49.23	-13	-36.23	-62.38	-55.03	3.65	9.45	H
	7008	-43.79	-13	-30.79	-60.65	-50.99	4.15	11.35	H
	3504	-53.44	-13	-40.44	-66.26	-57.81	3.12	7.49	V
	5256	-48.80	-13	-35.80	-62.81	-54.60	3.65	9.45	V
	7008	-45.27	-13	-32.27	-60.52	-52.47	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)
Lowest	3420	-51.82	-13	-38.82	-65.95	-56.19	3.12	7.49	H
	5131.5	-48.62	-13	-35.62	-61.77	-54.42	3.65	9.45	H
	6843	-46.22	-13	-33.22	-63.08	-53.42	4.15	11.35	H
	3420	-53.06	-13	-40.06	-65.88	-57.43	3.12	7.49	V
	5131	-48.56	-13	-35.56	-62.57	-54.36	3.65	9.45	V
	6843	-48.24	-13	-35.24	-63.49	-55.44	4.15	11.35	V
Middle	3459	-48.26	-13	-35.26	-62.39	-52.63	3.12	7.49	H
	5193	-35.29	-13	-22.29	-51.89	-41.09	3.65	9.45	H
	6921	-42.70	-13	-29.70	-59.56	-49.90	4.15	11.35	H
	3459	-48.88	-13	-35.88	-61.7	-53.25	3.12	7.49	V
	5193	-42.00	-13	-29.00	-56.01	-47.80	3.65	9.45	V
	6921	-45.72	-13	-32.72	-60.97	-52.92	4.15	11.35	V
Highest	3501	-52.54	-13	-39.54	-66.67	-56.91	3.12	7.49	H
	5253	-47.23	-13	-34.23	-60.38	-53.03	3.65	9.45	H
	7002	-43.03	-13	-30.03	-59.89	-50.23	4.15	11.35	H
	3501	-53.46	-13	-40.46	-66.28	-57.83	3.12	7.49	V
	5253	-46.21	-13	-33.21	-60.22	-52.01	3.65	9.45	V
	7002	-45.46	-13	-32.46	-60.71	-52.66	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)
Lowest	3420	-51.14	-13	-38.14	-65.27	-55.51	3.12	7.49	H
	5132	-46.79	-13	-33.79	-59.94	-52.59	3.65	9.45	H
	6843	-47.31	-13	-34.31	-64.17	-54.51	4.15	11.35	H
	3420	-54.01	-13	-41.01	-66.83	-58.38	3.12	7.49	V
	5132	-47.10	-13	-34.10	-61.11	-52.90	3.65	9.45	V
	6843	-48.17	-13	-35.17	-63.42	-55.37	4.15	11.35	V
Middle	3456	-46.68	-13	-33.68	-60.81	-51.05	3.12	7.49	H
	5187	-28.94	-13	-15.94	-47.03	-34.74	3.65	9.45	H
	6912	-43.09	-13	-30.09	-59.95	-50.29	4.15	11.35	H
	3456	-48.51	-13	-35.51	-61.33	-52.88	3.12	7.49	V
	5187	-36.61	-13	-23.61	-53.16	-42.41	3.65	9.45	V
	6912	-45.86	-13	-32.86	-61.11	-53.06	4.15	11.35	V
Highest	3492	-52.40	-13	-39.40	-66.53	-56.77	3.12	7.49	H
	5237	-48.14	-13	-35.14	-61.29	-53.94	3.65	9.45	H
	6984	-44.80	-13	-31.80	-61.66	-52.00	4.15	11.35	H
	3492	-53.96	-13	-40.96	-66.78	-58.33	3.12	7.49	V
	5237	-46.62	-13	-33.62	-60.63	-52.42	3.65	9.45	V
	6984	-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 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)
Lowest	3423	-52.16	-13	-39.16	-66.29	-56.53	3.12	7.49	H
	5133	-45.46	-13	-32.46	-58.61	-51.26	3.65	9.45	H
	6846	-46.37	-13	-33.37	-63.23	-53.57	4.15	11.35	H
	3423	-53.82	-13	-40.82	-66.64	-58.19	3.12	7.49	V
	5133	-44.21	-13	-31.21	-58.22	-50.01	3.65	9.45	V
	6846	-48.49	-13	-35.49	-63.74	-55.69	4.15	11.35	V
Middle	3450	-47.19	-13	-34.19	-61.32	-51.56	3.12	7.49	H
	5178	-32.80	-13	-19.80	-49.83	-38.60	3.65	9.45	H
	6903	-42.45	-13	-29.45	-59.31	-49.65	4.15	11.35	H
	3450	-49.00	-13	-36.00	-61.82	-53.37	3.12	7.49	V
	5178	-37.06	-13	-24.06	-53.52	-42.86	3.65	9.45	V
	6903	-46.88	-13	-33.88	-62.13	-54.08	4.15	11.35	V
Highest	3483	-52.17	-13	-39.17	-66.30	-56.54	3.12	7.49	H
	5223	-48.70	-13	-35.70	-61.85	-54.50	3.65	9.45	H
	6966	-46.73	-13	-33.73	-63.59	-53.93	4.15	11.35	H
	3483	-54.62	-13	-41.62	-67.44	-58.99	3.12	7.49	V
	5223	-48.82	-13	-35.82	-62.83	-54.62	3.65	9.45	V
	6966	-48.35	-13	-35.35	-63.6	-55.55	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)
Lowest	3422	-52.14	-13	-39.14	-66.27	-56.51	3.12	7.49	H
	5136	-44.90	-13	-31.90	-58.05	-50.70	3.65	9.45	H
	6843	-47.12	-13	-34.12	-63.98	-54.32	4.15	11.35	H
	3423	-53.63	-13	-40.63	-66.45	-58.00	3.12	7.49	V
	5133	-48.16	-13	-35.16	-62.17	-53.96	3.65	9.45	V
	6846	-47.80	-13	-34.80	-63.05	-55.00	4.15	11.35	V
Middle	3447	-47.27	-13	-34.27	-61.40	-51.64	3.12	7.49	H
	5172	-31.67	-13	-18.67	-49.20	-37.47	3.65	9.45	H
	6894	-42.68	-13	-29.68	-59.54	-49.88	4.15	11.35	H
	3447	-48.89	-13	-35.89	-61.71	-53.26	3.12	7.49	V
	5172	-37.12	-13	-24.12	-53.56	-42.92	3.65	9.45	V
	6894	-45.40	-13	-32.40	-60.65	-52.60	4.15	11.35	V
Highest	3471	-52.67	-13	-39.67	-66.80	-57.04	3.12	7.49	H
	5208.54	-49.40	-13	-36.40	-62.55	-55.20	3.65	9.45	H
	6945	-45.57	-13	-32.57	-62.43	-52.77	4.15	11.35	H
	3471	-52.82	-13	-39.82	-65.64	-57.19	3.12	7.49	V
	5208.54	-48.69	-13	-35.69	-62.7	-54.49	3.65	9.45	V
	6945	-48.87	-13	-35.87	-64.12	-56.07	4.15	11.35	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 )	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)
Lowest	5000	-44.79	-25	-19.79	-58.77	-50.57	3.49	9.27	H
	7502	-35.07	-25	-10.07	-55.19	-42.86	4.28	12.07	H
	10000	-41.76	-25	-16.76	-63.15	-49.06	5.1	12.40	H
	5000	-46.54	-25	-21.54	-60.7	-52.32	3.49	9.27	V
	7502	-43.02	-25	-18.02	-60.04	-50.81	4.28	12.07	V
	10000	-40.85	-25	-15.85	-61.95	-48.15	5.1	12.40	V
Middle	5066	-47.57	-25	-22.57	-61.55	-53.35	3.49	9.27	H
	7599	-43.96	-25	-18.96	-60.50	-51.75	4.28	12.07	H
	10132	-41.30	-25	-16.30	-62.69	-48.60	5.1	12.40	H
	5066	-48.22	-25	-23.22	-62.38	-54.00	3.49	9.27	V
	7599	-46.25	-25	-21.25	-63.27	-54.04	4.28	12.07	V
	10132	-42.04	-25	-17.04	-63.14	-49.34	5.1	12.40	V
Highest	5132	-48.57	-25	-23.57	-62.55	-54.35	3.49	9.27	H
	7696	-44.28	-25	-19.28	-60.82	-52.07	4.28	12.07	H
	10264	-40.55	-25	-15.55	-61.94	-47.85	5.1	12.40	H
	5131	-47.69	-25	-22.69	-61.85	-53.47	3.49	9.27	V
	7697	-44.83	-25	-19.83	-61.85	-52.62	4.28	12.07	V
	10264	-40.79	-25	-15.79	-61.89	-48.09	5.1	12.40	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)
Lowest	5000	-47.31	-25	-22.31	-61.29	-53.09	3.49	9.27	H
	7502	-33.16	-25	-8.16	-54.48	-40.95	4.28	12.07	H
	10004	-40.69	-25	-15.69	-62.08	-47.99	5.1	12.40	H
	5000	-46.53	-25	-21.53	-60.69	-52.31	3.49	9.27	V
	7502	-42.46	-25	-17.46	-59.48	-50.25	4.28	12.07	V
	10004	-40.81	-25	-15.81	-61.91	-48.11	5.1	12.40	V
Middle	5060	-28.86	-25	-3.86	-47.98	-34.64	3.49	9.27	H
	7592	-28.84	-25	-3.84	-51.37	-36.63	4.28	12.07	H
	10123	-41.51	-25	-16.51	-62.90	-48.81	5.1	12.40	H
	5060	-28.77	-25	-3.77	-48.37	-34.55	3.49	9.27	V
	7592	-37.15	-25	-12.15	-56.15	-44.94	4.28	12.07	V
	10124	-41.78	-25	-16.78	-62.88	-49.08	5.1	12.40	V
Highest	5120	-47.20	-25	-22.20	-61.18	-52.98	3.49	9.27	H
	7682	-44.57	-25	-19.57	-61.11	-52.36	4.28	12.07	H
	10244	-40.78	-25	-15.78	-62.17	-48.08	5.1	12.40	H
	5120	-47.46	-25	-22.46	-61.62	-53.24	3.49	9.27	V
	7682	-45.07	-25	-20.07	-62.09	-52.86	4.28	12.07	V
	10244	-41.43	-25	-16.43	-62.53	-48.73	5.1	12.40	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)
Lowest	5003	-49.11	-25	-24.11	-63.09	-54.89	3.49	9.27	H
	7505	-40.67	-25	-15.67	-58.23	-48.46	4.28	12.07	H
	10004	-41.42	-25	-16.42	-62.81	-48.72	5.1	12.40	H
	5003	-47.38	-25	-22.38	-61.54	-53.16	3.49	9.27	V
	7504	-43.88	-25	-18.88	-60.9	-51.67	4.28	12.07	V
	10004	-41.22	-25	-16.22	-62.32	-48.52	5.1	12.40	V
Middle	5057	-46.84	-25	-21.84	-60.82	-52.62	3.49	9.27	H
	7586	-42.22	-25	-17.22	-58.76	-50.01	4.28	12.07	H
	10112	-40.95	-25	-15.95	-62.34	-48.25	5.1	12.40	H
	5057	-48.09	-25	-23.09	-62.25	-53.87	3.49	9.27	V
	7586	-44.99	-25	-19.99	-62.01	-52.78	4.28	12.07	V
	10114	-42.97	-25	-17.97	-64.07	-50.27	5.1	12.40	V
Highest	5111	-48.11	-25	-23.11	-62.09	-53.89	3.49	9.27	H
	7669	-44.63	-25	-19.63	-61.17	-52.42	4.28	12.07	H
	10224	-41.42	-25	-16.42	-62.81	-48.72	5.1	12.40	H
	5111	-48.25	-25	-23.25	-62.41	-54.03	3.49	9.27	V
	7669	-44.50	-25	-19.50	-61.52	-52.29	4.28	12.07	V
	10224	-40.89	-25	-15.89	-61.99	-48.19	5.1	12.40	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)
Lowest	5003	-48.33	-25	-23.33	-62.31	-54.11	3.49	9.27	H
	7505	-41.47	-25	-16.47	-58.45	-49.26	4.28	12.07	H
	10004	-40.88	-25	-15.88	-62.27	-48.18	5.1	12.40	H
	5003	-48.02	-25	-23.02	-62.18	-53.80	3.49	9.27	V
	7504	-44.15	-25	-19.15	-61.17	-51.94	4.28	12.07	V
	10004	-40.45	-25	-15.45	-61.55	-47.75	5.1	12.40	V
Middle	5051	-46.97	-25	-21.97	-60.95	-52.75	3.49	9.27	H
	7580	-42.57	-25	-17.57	-59.11	-50.36	4.28	12.07	H
	10104	-42.04	-25	-17.04	-63.43	-49.34	5.1	12.40	H
	5051	-48.04	-25	-23.04	-62.2	-53.82	3.49	9.27	V
	7578	-45.46	-25	-20.46	-62.48	-53.25	4.28	12.07	V
	10104	-41.24	-25	-16.24	-62.34	-48.54	5.1	12.40	V
Highest	5102	-47.50	-25	-22.50	-61.48	-53.28	3.49	9.27	H
	7655	-44.21	-25	-19.21	-60.75	-52.00	4.28	12.07	H
	10204	-41.45	-25	-16.45	-62.84	-48.75	5.1	12.40	H
	5102	-47.38	-25	-22.38	-61.54	-53.16	3.49	9.27	V
	7655	-43.95	-25	-18.95	-60.97	-51.74	4.28	12.07	V
	10204	-40.96	-25	-15.96	-62.06	-48.26	5.1	12.40	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)
Lowest	1398	-56.76	-13	-43.76	-53.36	-57.74	1.75	4.88	H
	2098	-54.87	-13	-41.87	-60.88	-56.49	2.16	5.93	H
	2798	-43.42	-13	-30.42	-56.91	-45.45	2.48	6.66	H
	3495	-40.99	-13	-27.99	-60.01	-43.50	2.9	7.56	H
	1398	-55.50	-13	-42.50	-53.97	-56.48	1.75	4.88	V
	2098	-53.07	-13	-40.07	-61.05	-54.69	2.16	5.93	V
	2798	-41.35	-13	-28.35	-56.21	-43.38	2.48	6.66	V
	3498	-47.99	-13	-34.99	-66.58	-50.50	2.9	7.56	V
Middle	1414	-52.23	-13	-39.23	-51.40	-53.21	1.75	4.88	H
	2120	-55.68	-13	-42.68	-61.69	-57.30	2.16	5.93	H
	2830	-43.78	-13	-30.78	-57.17	-45.81	2.48	6.66	H
	1414	-46.94	-13	-33.94	-49.8	-47.92	1.75	4.88	V
	2122	-49.54	-13	-36.54	-57.52	-51.16	2.16	5.93	V
	2830	-41.41	-13	-28.41	-56.24	-43.44	2.48	6.66	V
Highest	1430	-46.59	-13	-33.59	-47.93	-47.57	1.75	4.88	H
	2144	-54.45	-13	-41.45	-60.46	-56.07	2.16	5.93	H
	2862	-44.18	-13	-31.18	-57.47	-46.21	2.48	6.66	H
	3573	-42.29	-13	-29.29	-62.30	-44.80	2.9	7.56	H
	1430	-42.62	-13	-29.62	-46.81	-43.60	1.75	4.88	V
	2144	-53.52	-13	-40.52	-61.5	-55.14	2.16	5.93	V
	2860	-38.19	-13	-25.19	-53.63	-40.22	2.48	6.66	V
	3573	-42.39	-13	-29.39	-63.11	-44.90	2.9	7.56	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)
Lowest	1412	-61.82	-13	-48.82	-58.24	-62.80	1.75	4.88	H
	2118	-55.68	-13	-42.68	-61.69	-57.30	2.16	5.93	H
	2824	-54.92	-13	-41.92	-65.34	-56.95	2.48	6.66	H
	3531	-47.99	-13	-34.99	-66.19	-50.50	2.9	7.56	H
	1412	-59.50	-13	-46.50	-57.97	-60.48	1.75	4.88	V
	2118	-53.74	-13	-40.74	-61.72	-55.36	2.16	5.93	V
	2824	-53.98	-13	-40.98	-65.49	-56.01	2.48	6.66	V
Middle	3531	-48.29	-13	-35.29	-66.72	-50.80	2.9	7.56	V
	1412	-50.40	-13	-37.40	-50.33	-51.38	1.75	4.88	H
	2120	-43.33	-13	-30.33	-53.05	-44.95	2.16	5.93	H
	2826	-44.02	-13	-31.02	-57.34	-46.05	2.48	6.66	H
	1412	-46.80	-13	-33.80	-49.71	-47.78	1.75	4.88	V
Highest	2120	-42.20	-13	-29.20	-54.04	-43.82	2.16	5.93	V
	2826	-40.33	-13	-27.33	-55.38	-42.36	2.48	6.66	V
	1426	-50.19	-13	-37.19	-50.17	-51.17	1.75	4.88	H
	2139	-54.03	-13	-41.03	-60.04	-55.65	2.16	5.93	H
	2854	-45.29	-13	-32.29	-58.28	-47.32	2.48	6.66	H
	3567	-41.89	-13	-28.89	-62.49	-44.40	2.9	7.56	H
	1426	-47.03	-13	-34.03	-49.86	-48.01	1.75	4.88	V
	2139	-53.18	-13	-40.18	-61.16	-54.80	2.16	5.93	V
2854	-39.65	-13	-26.65	-54.8	-41.68	2.48	6.66	V	
3567	-43.09	-13	-30.09	-63.75	-45.60	2.9	7.56	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)
Lowest	1398	-57.08	-13	-44.08	-53.50	-58.06	1.75	4.88	H
	2098	-54.78	-13	-41.78	-60.79	-56.40	2.16	5.93	H
	2798	-43.64	-13	-30.64	-57.07	-45.67	2.48	6.66	H
	3495	-43.49	-13	-30.49	-62.68	-46.00	2.9	7.56	H
	1398	-55.75	-13	-42.75	-54.22	-56.73	1.75	4.88	V
	2098	-54.06	-13	-41.06	-62.04	-55.68	2.16	5.93	V
	2798	-42.37	-13	-29.37	-56.72	-44.40	2.48	6.66	V
	3498	-46.09	-13	-33.09	-65.58	-48.60	2.9	7.56	V
Middle	1410	-51.95	-13	-38.95	-51.22	-52.93	1.75	4.88	H
	2116	-43.94	-13	-30.94	-53.36	-45.56	2.16	5.93	H
	2822	-42.44	-13	-29.44	-56.18	-44.47	2.48	6.66	H
	3525	-43.09	-13	-30.09	-62.51	-45.60	2.9	7.56	H
	1410	-47.60	-13	-34.60	-50.23	-48.58	1.75	4.88	V
	2116	-49.16	-13	-36.16	-57.14	-50.78	2.16	5.93	V
	2822	-39.85	-13	-26.85	-54.95	-41.88	2.48	6.66	V
	3528	-45.89	-13	-32.89	-65.46	-48.40	2.9	7.56	V
Highest	1422	-54.70	-13	-41.70	-52.66	-55.68	1.75	4.88	H
	2134	-54.25	-13	-41.25	-60.26	-55.87	2.16	5.93	H
	2846	-43.84	-13	-30.84	-57.21	-45.87	2.48	6.66	H
	1422	-48.68	-13	-35.68	-50.87	-49.66	1.75	4.88	V
	2134	-53.55	-13	-40.55	-61.53	-55.17	2.16	5.93	V
	2846	-40.62	-13	-27.62	-55.65	-42.65	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)
Lowest	1398	-57.02	-13	-44.02	-53.44	-58.00	1.75	4.88	H
	2099	-54.90	-13	-41.90	-60.91	-56.52	2.16	5.93	H
	2800	-42.77	-13	-29.77	-56.44	-44.80	2.48	6.66	H
	3498	-43.49	-13	-30.49	-62.68	-46.00	2.9	7.56	H
	1400	-56.16	-13	-43.16	-54.63	-57.14	1.75	4.88	V
	2100	-53.24	-13	-40.24	-61.22	-54.86	2.16	5.93	V
	2800	-41.17	-13	-28.17	-56.11	-43.20	2.48	6.66	V
	3498	-46.29	-13	-33.29	-65.59	-48.80	2.9	7.56	V
Middle	1406	-50.48	-13	-37.48	-50.39	-51.46	1.75	4.88	H
	2110	-54.34	-13	-41.34	-60.35	-55.96	2.16	5.93	H
	2814	-45.74	-13	-32.74	-58.53	-47.77	2.48	6.66	H
	3516	-43.89	-13	-30.89	-62.51	-46.40	2.9	7.56	H
	1406	-46.31	-13	-33.31	-49.38	-47.29	1.75	4.88	V
	2110	-53.05	-13	-40.05	-61.03	-54.67	2.16	5.93	V
	2814	-42.32	-13	-29.32	-56.7	-44.35	2.48	6.66	V
	3516	-43.49	-13	-30.49	-63.49	-46.00	2.9	7.56	V
Highest	1414	-47.38	-13	-34.38	-48.44	-48.36	1.75	4.88	H
	2120	-53.31	-13	-40.31	-59.32	-54.93	2.16	5.93	H
	2828	-42.02	-13	-29.02	-55.86	-44.05	2.48	6.66	H
	3531	-43.29	-13	-30.29	-62.54	-45.80	2.9	7.56	H
	1414	-49.21	-13	-36.21	-51.18	-50.19	1.75	4.88	V
	2120	-53.79	-13	-40.79	-61.77	-55.41	2.16	5.93	V
	2828	-46.55	-13	-33.55	-58.76	-48.58	2.48	6.66	V
	3531	-46.59	-13	-33.59	-65.75	-49.10	2.9	7.56	V

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