



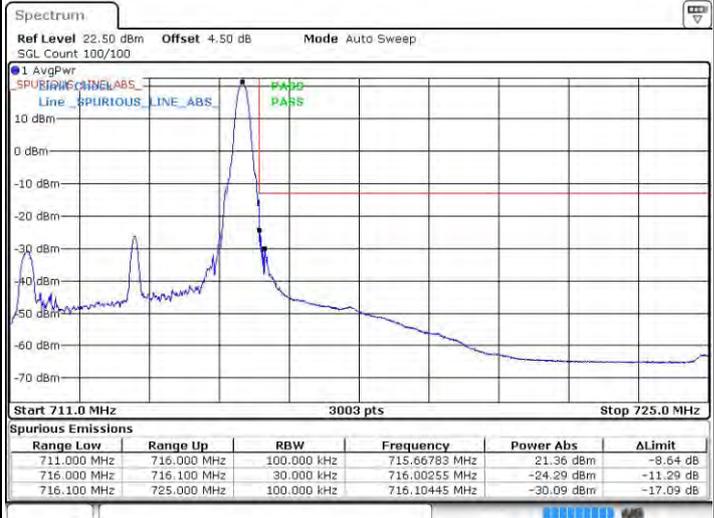
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 4 NOV 2015 18:43:13

Highest Band Edge / 1 RB



Date: 4 NOV 2015 18:56:21

Lowest Band Edge / Full RB



Date: 4 NOV 2015 18:47:15

Highest Band Edge / Full RB

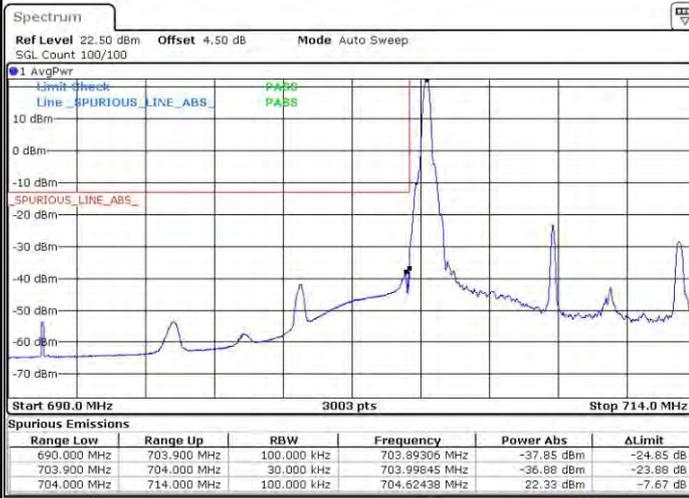


Date: 4 NOV 2015 19:00:23



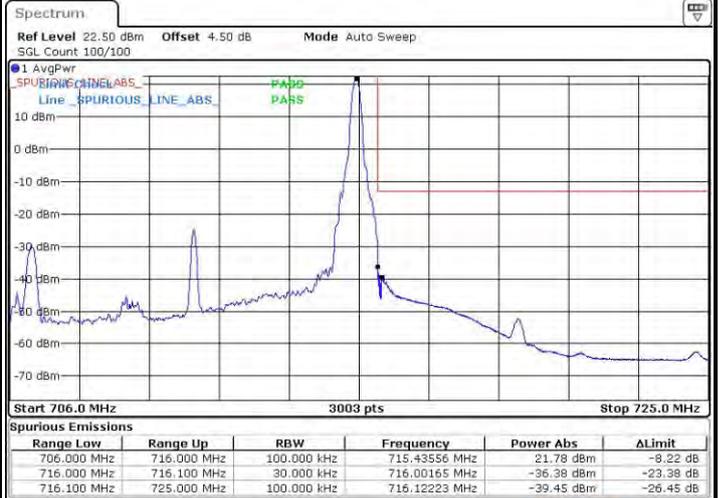
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB



Date: 4 NOV 2015 19:04:56

Highest Band Edge / 1 RB



Date: 4 NOV 2015 19:18:04

Lowest Band Edge / Full RB



Date: 4 NOV 2015 19:08:58

Highest Band Edge / Full RB

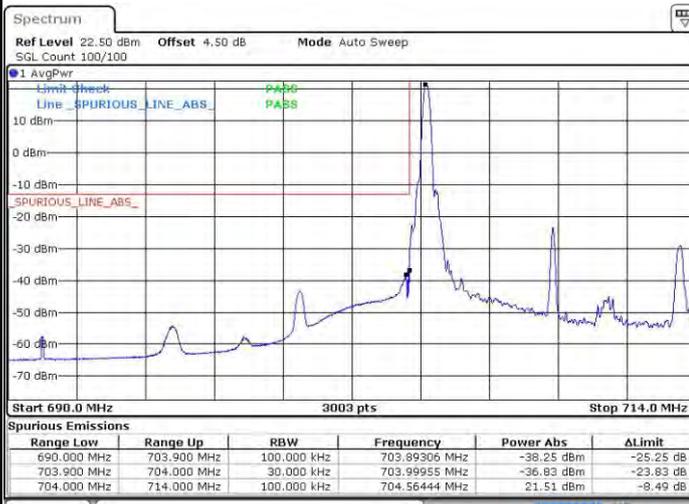


Date: 4 NOV 2015 19:22:06



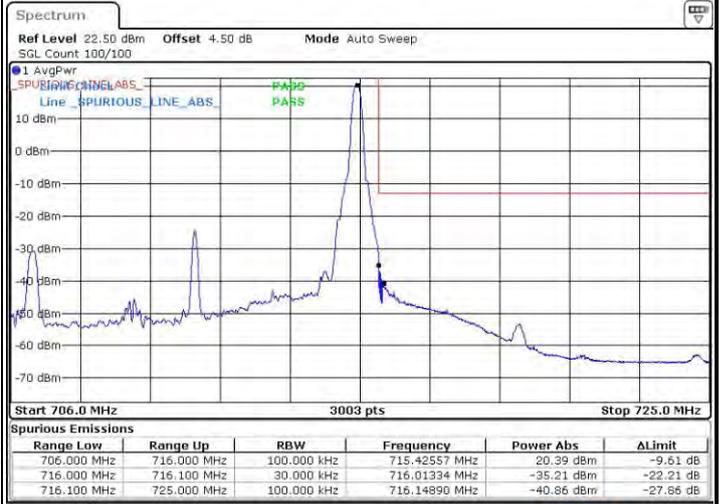
LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 4 NOV 2015 19:06:57

Highest Band Edge / 1 RB



Date: 4 NOV 2015 19:20:05

Lowest Band Edge / Full RB



Date: 4 NOV 2015 19:10:59

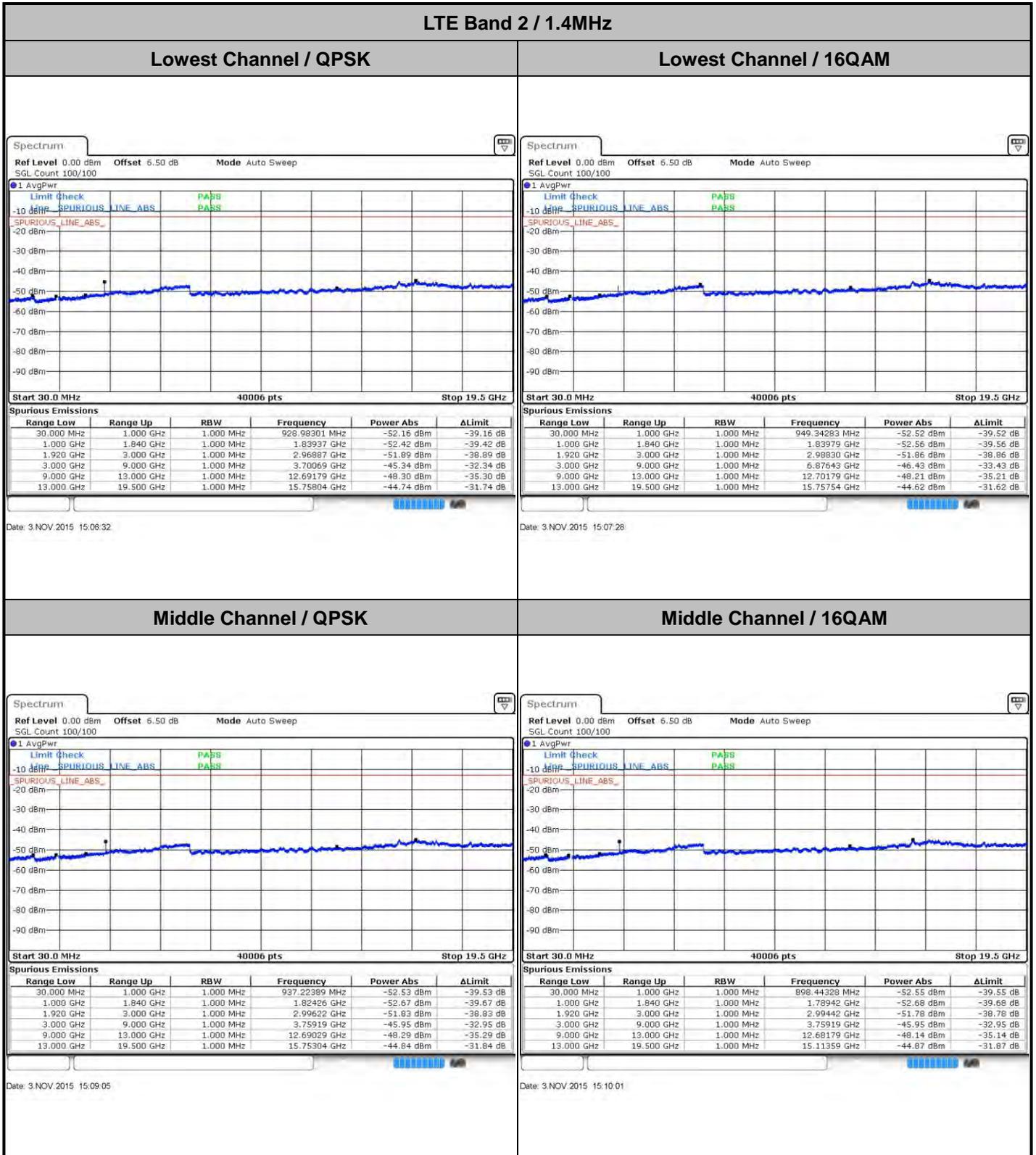
Highest Band Edge / Full RB



Date: 4 NOV 2015 19:24:07



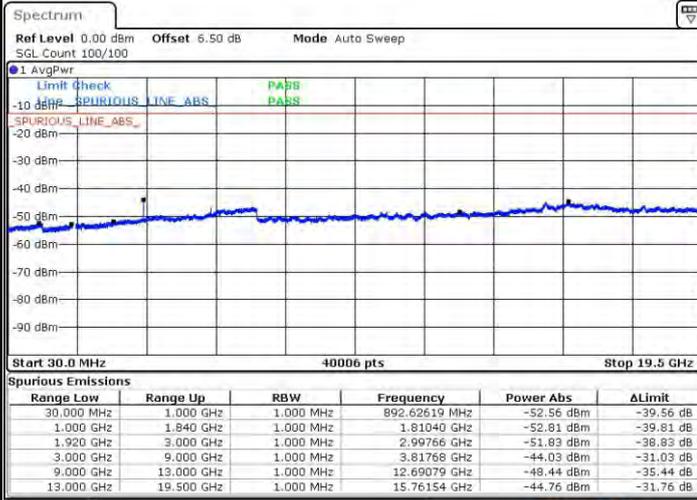
Conducted Spurious Emission





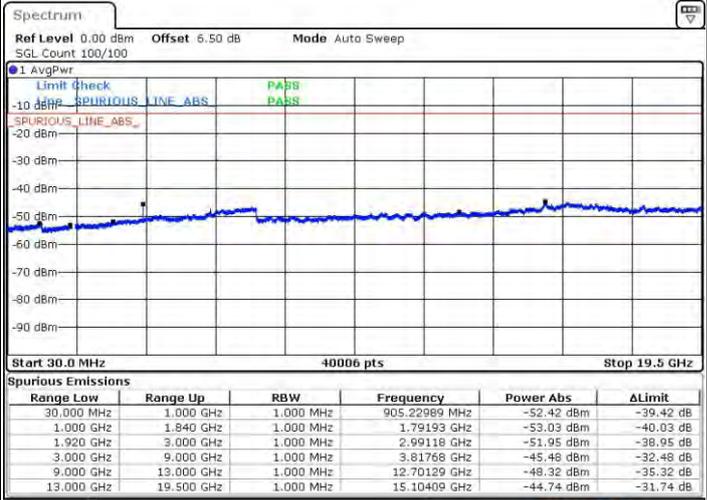
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 3 NOV 2015 15:16:10

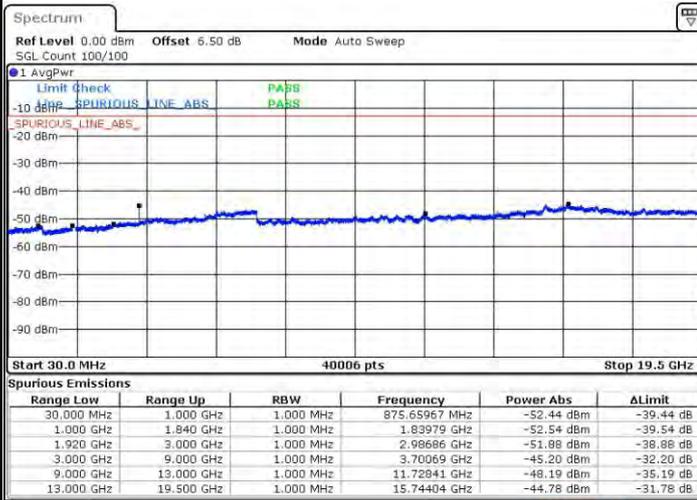
Highest Channel / 16QAM



Date: 3 NOV 2015 15:17:05

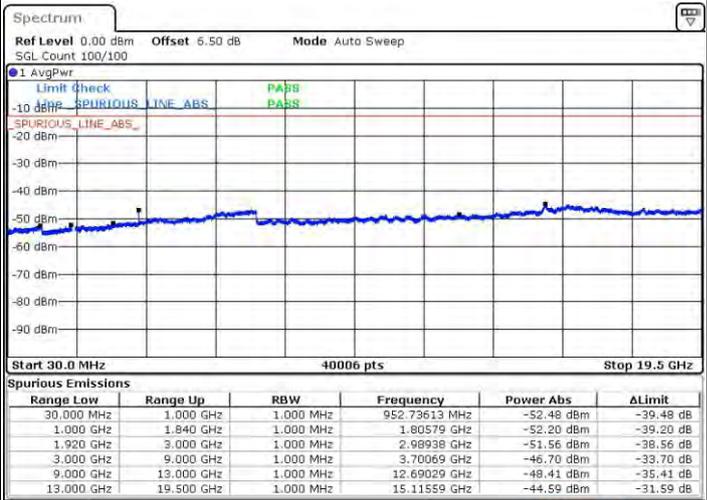
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 3 NOV 2015 15:23:15

Lowest Channel / 16QAM



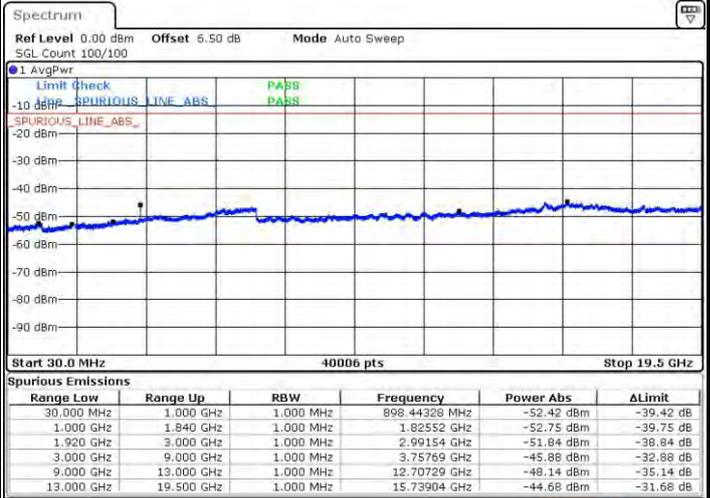
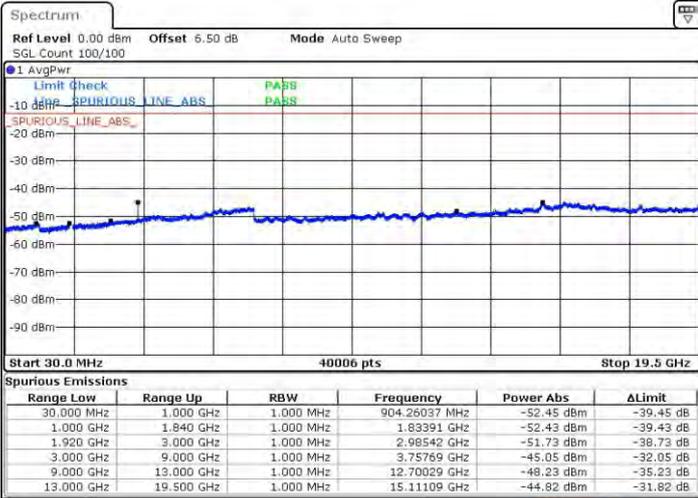
Date: 3 NOV 2015 15:24:10



LTE Band 2 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

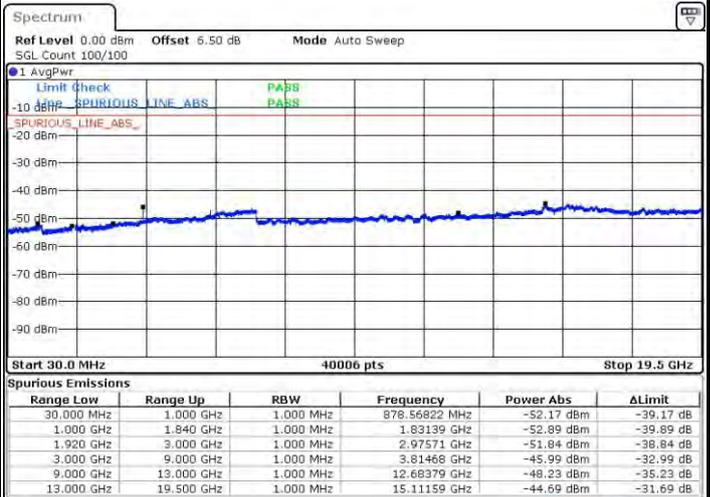
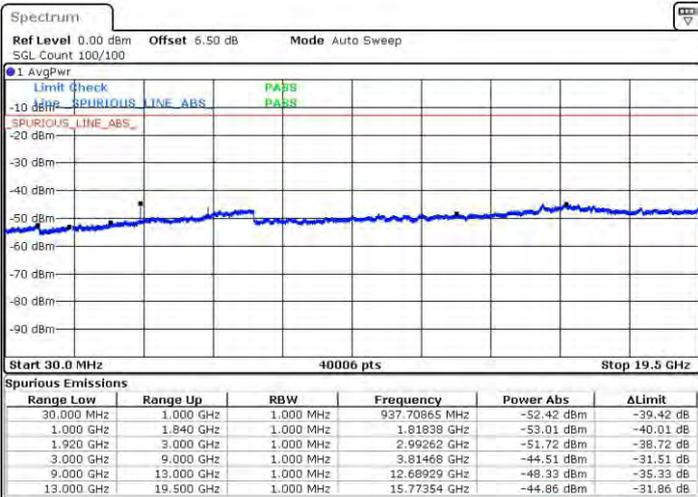


Date: 3 NOV 2015 15:25:48

Date: 3 NOV 2015 15:26:43

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3 NOV 2015 15:32:53

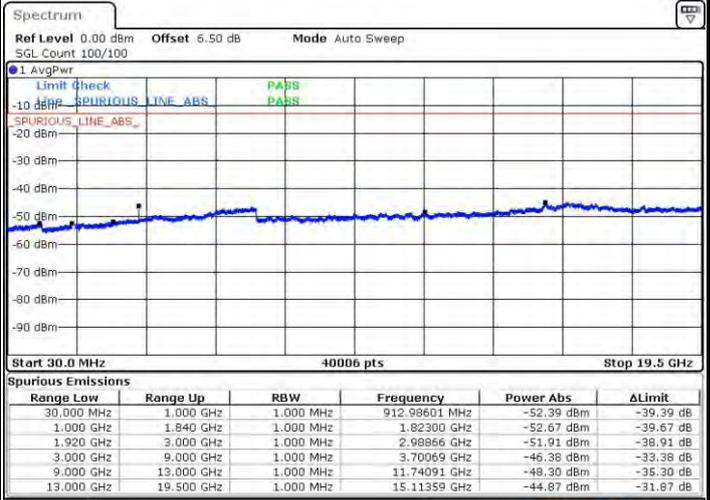
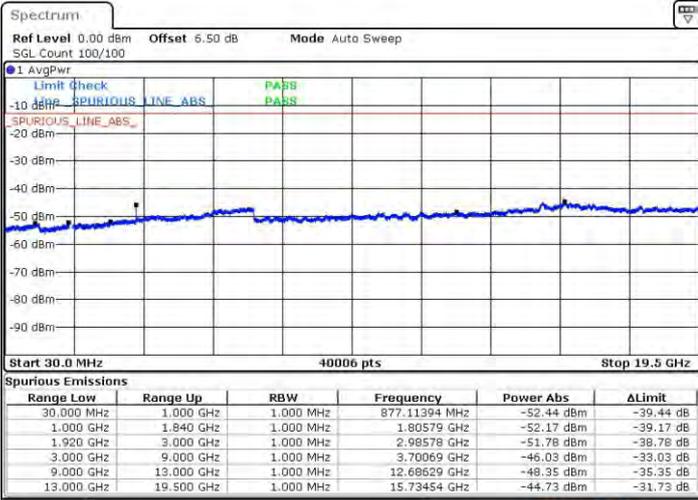
Date: 3 NOV 2015 15:33:48



LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

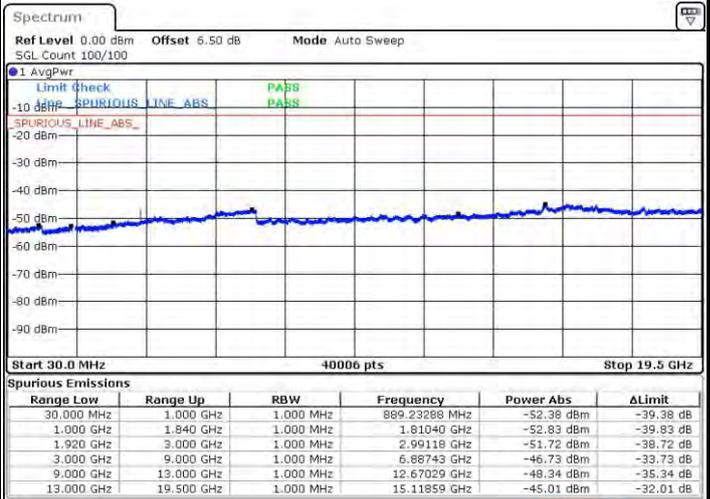
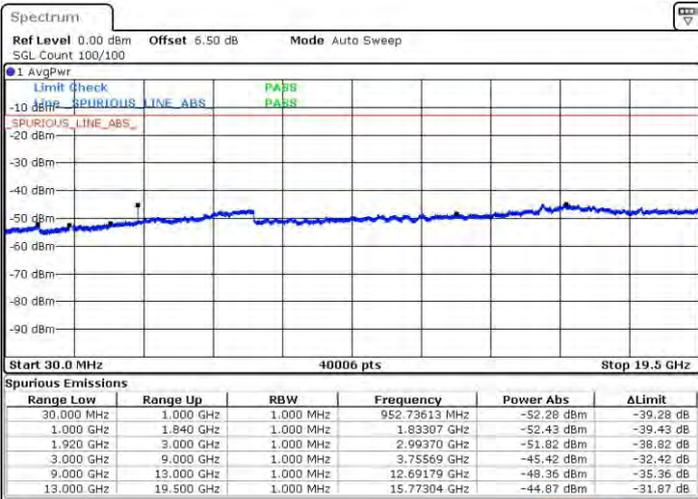


Date: 3 NOV 2015 15:39:58

Date: 3 NOV 2015 15:40:53

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 3 NOV 2015 15:42:31

Date: 3 NOV 2015 15:43:26



LTE Band 2 / 5MHz

Highest Channel / QPSK



Highest Channel / 16QAM



LTE Band 2 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

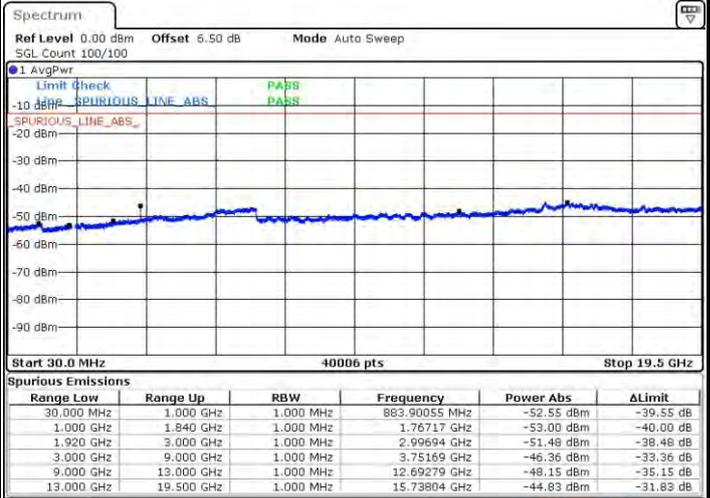
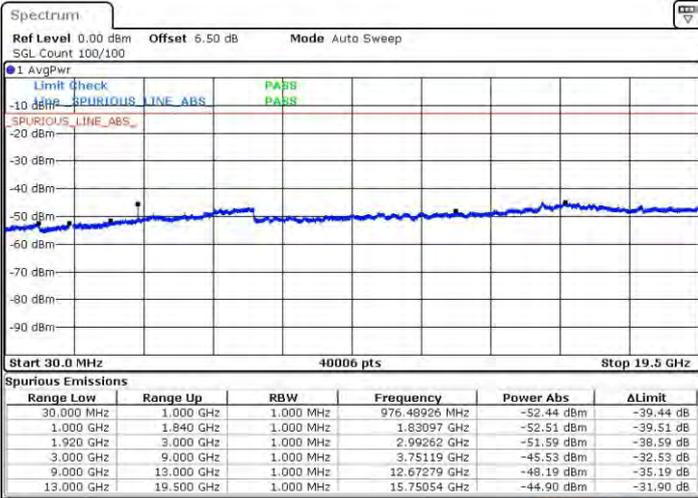




LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

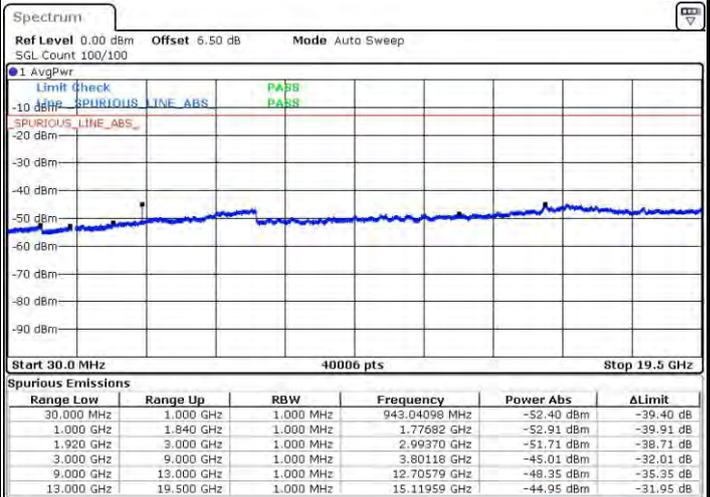
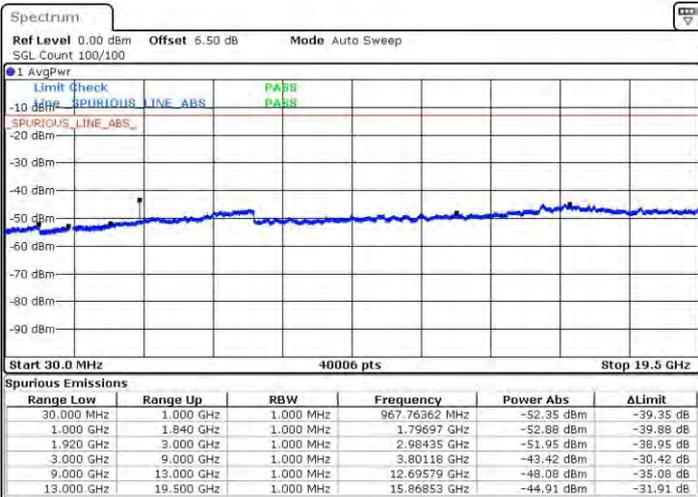


Date: 3 NOV 2015 15:59:13

Date: 3 NOV 2015 16:00:09

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3 NOV 2015 16:06:18

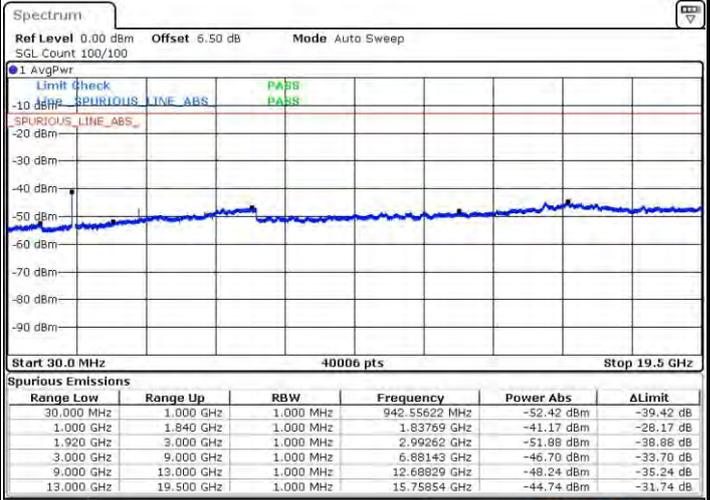
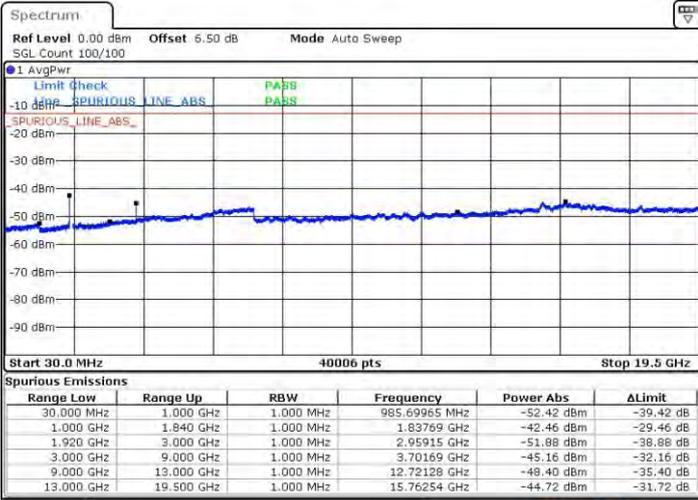
Date: 3 NOV 2015 16:07:13



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

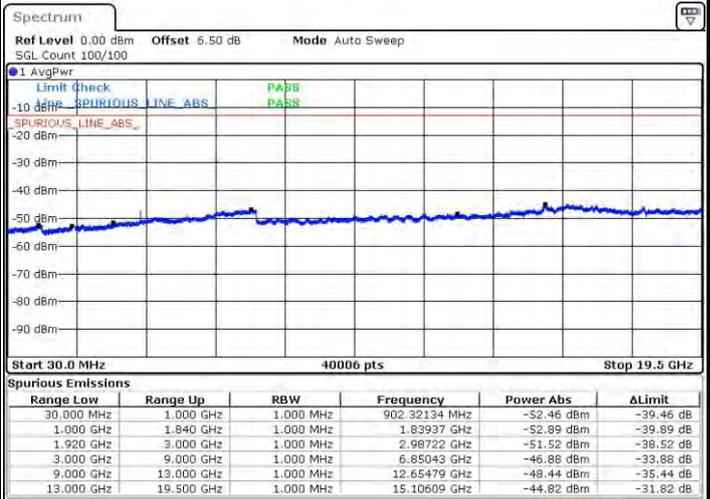
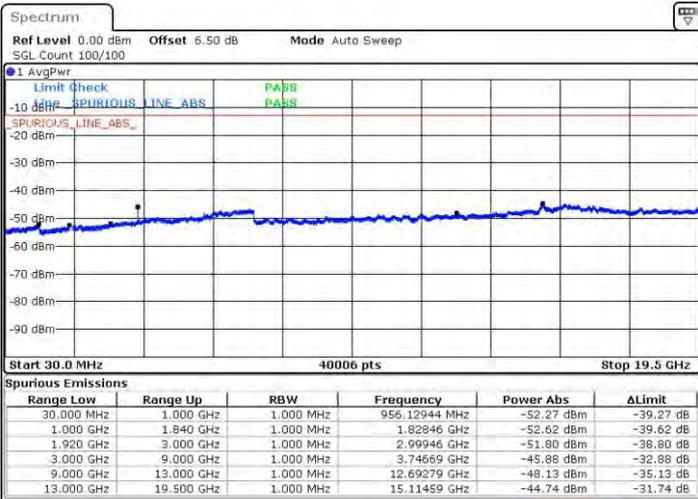


Date: 3 NOV 2015 16:13:23

Date: 3 NOV 2015 16:14:18

Middle Channel / QPSK

Middle Channel / 16QAM



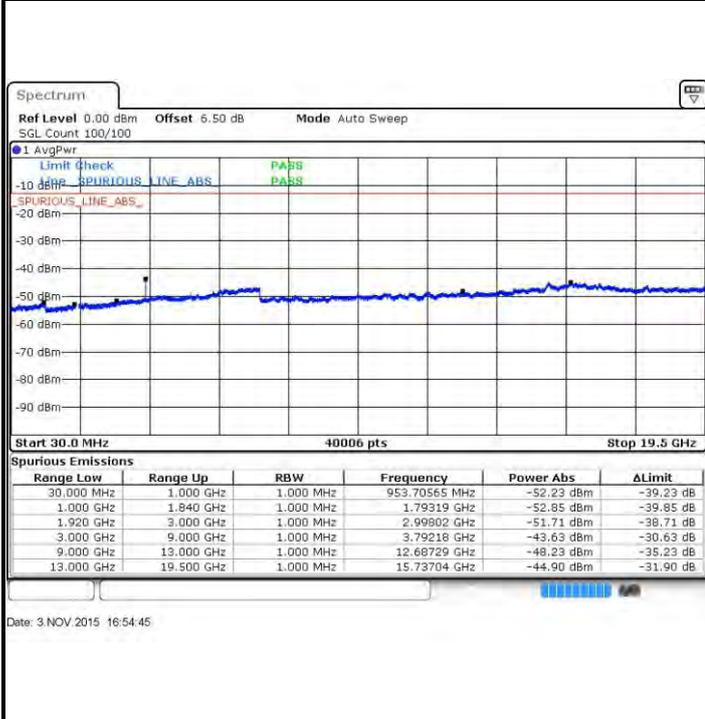
Date: 3 NOV 2015 16:15:56

Date: 3 NOV 2015 16:16:51



LTE Band 2 / 15MHz

Highest Channel / QPSK



Highest Channel / 16QAM



LTE Band 2 / 20MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

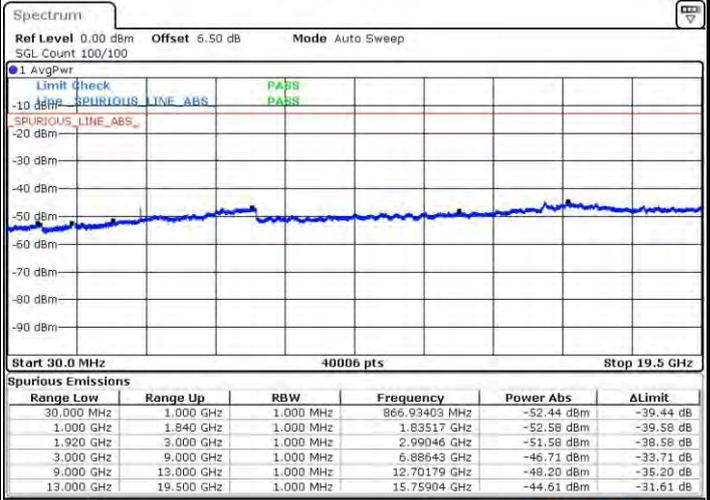
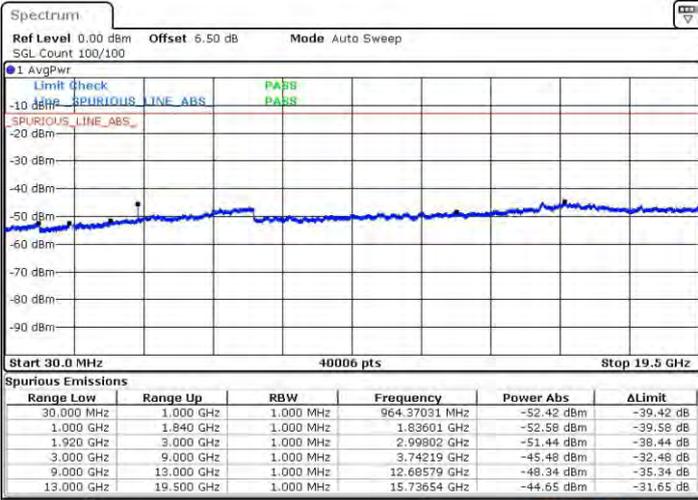




LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

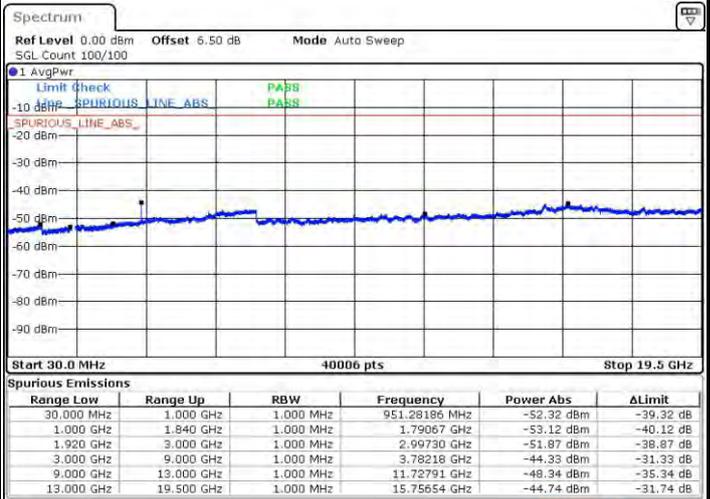
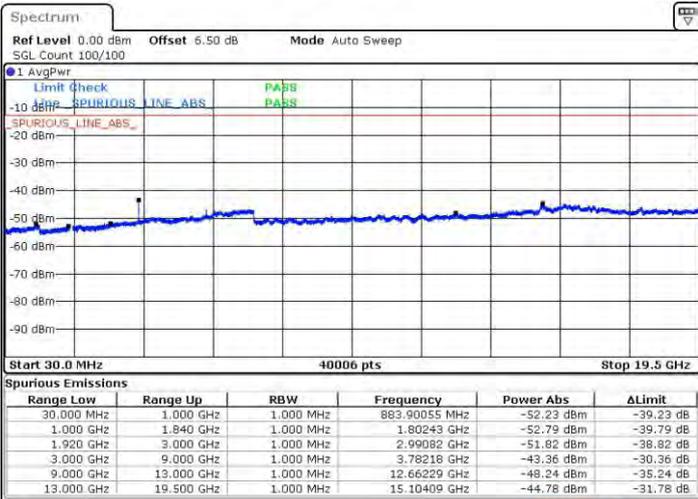


Date: 3 NOV 2015 17:04:23

Date: 3 NOV 2015 17:05:19

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3 NOV 2015 17:11:28

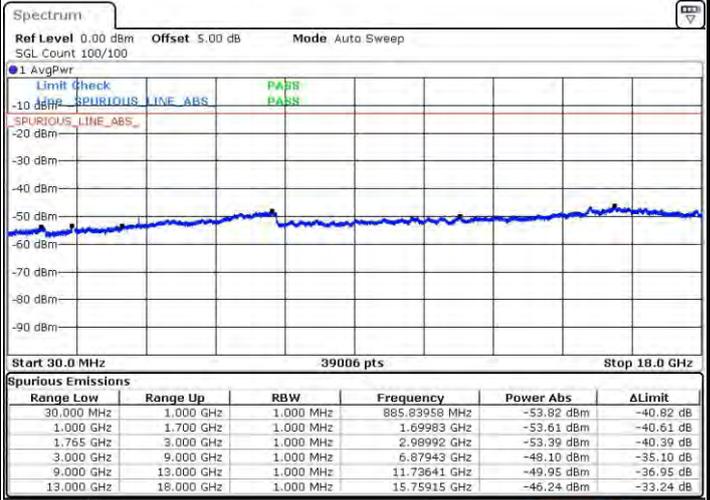
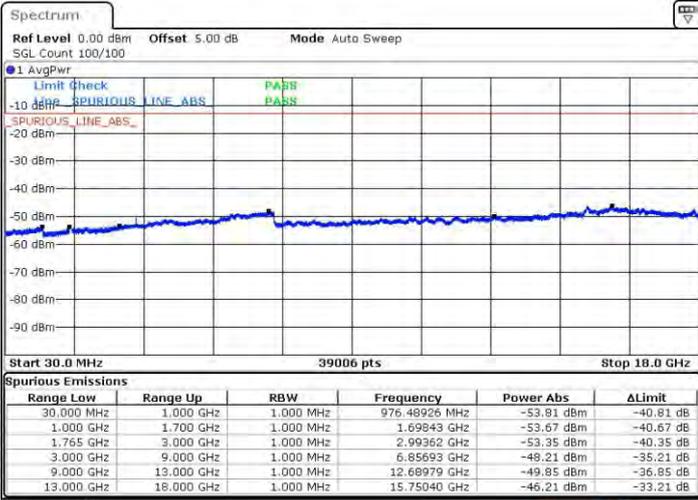
Date: 3 NOV 2015 17:12:23



LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

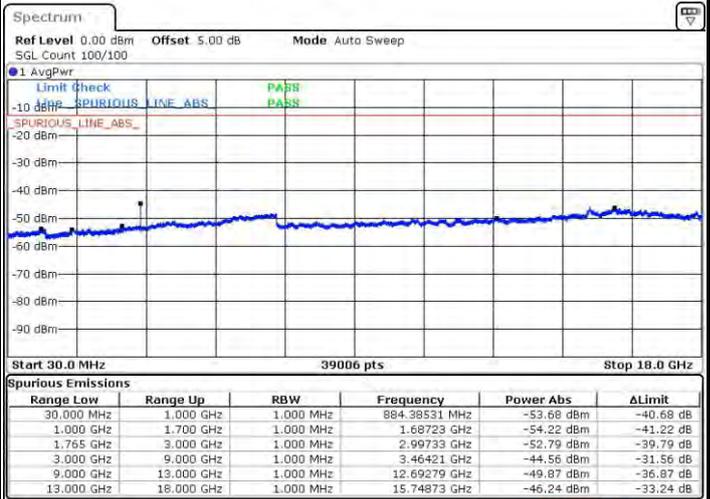
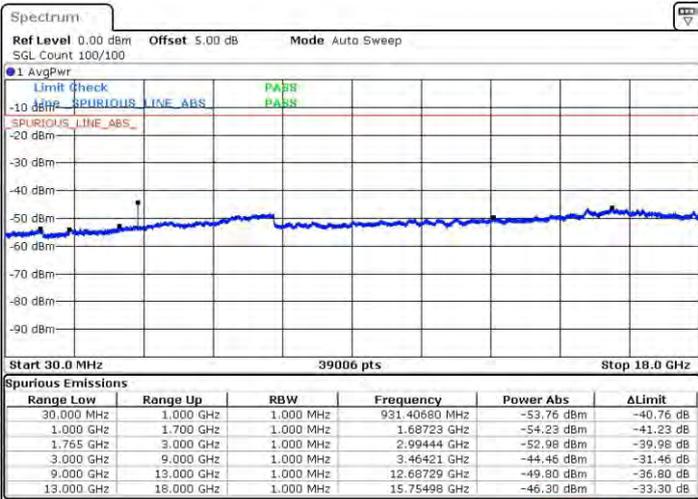


Date: 3 NOV 2015 20:39:57

Date: 3 NOV 2015 20:40:53

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 3 NOV 2015 20:42:30

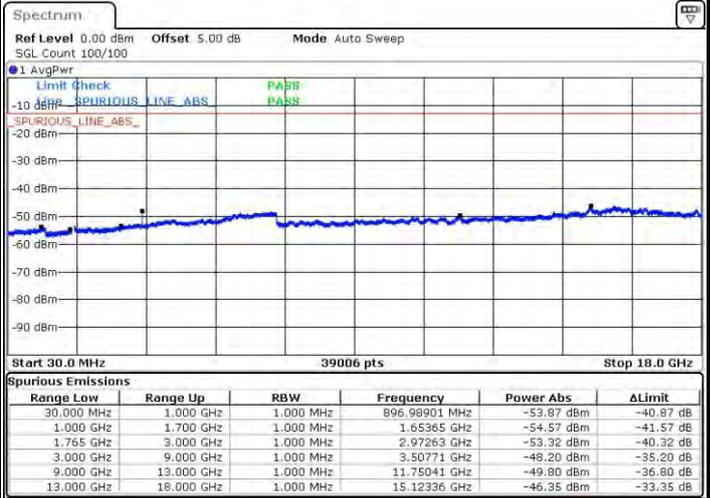
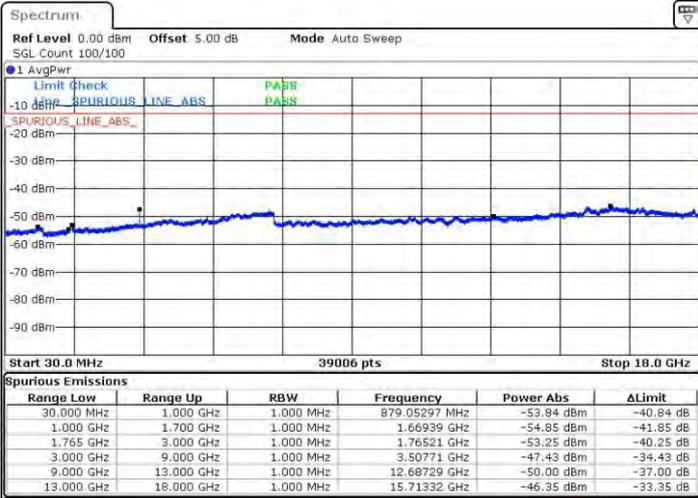
Date: 3 NOV 2015 20:43:26



LTE Band 4 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



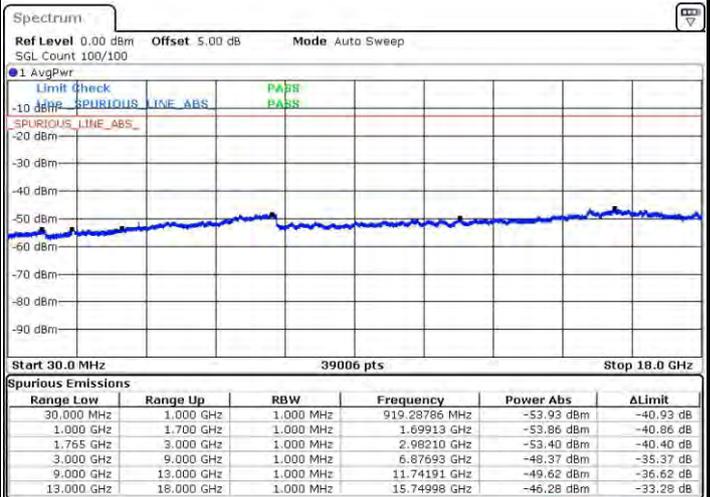
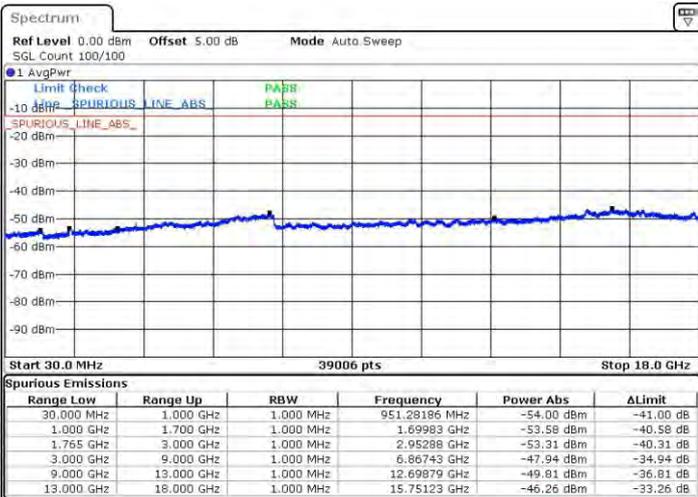
Date: 3 NOV 2015 20:49:35

Date: 3 NOV 2015 20:50:30

LTE Band 4 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 3 NOV 2015 20:56:40

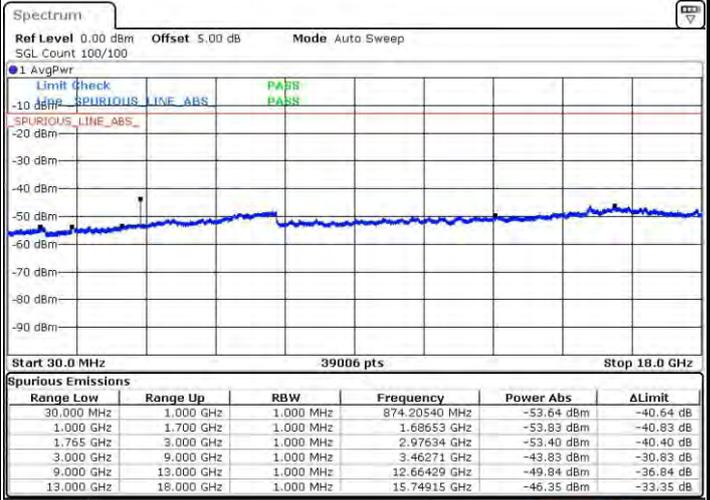
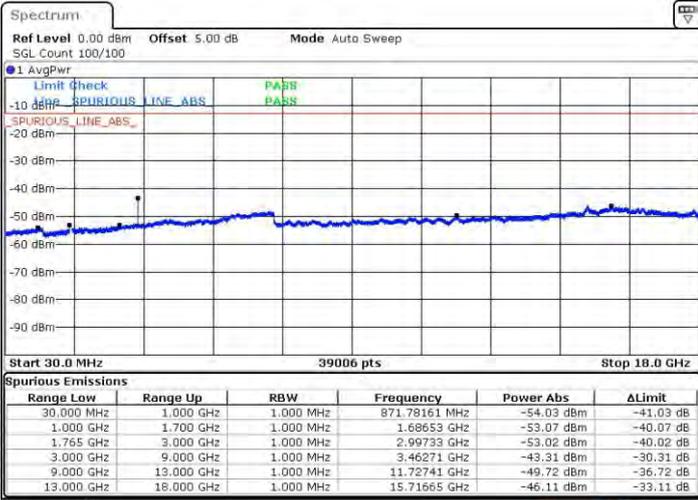
Date: 3 NOV 2015 20:57:35



LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

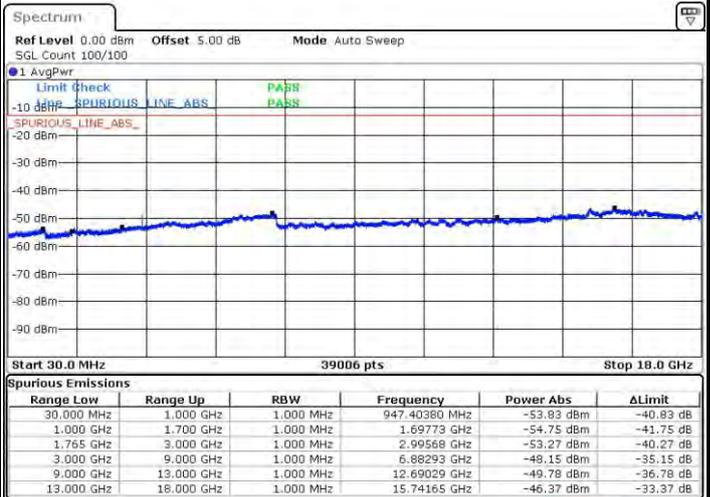
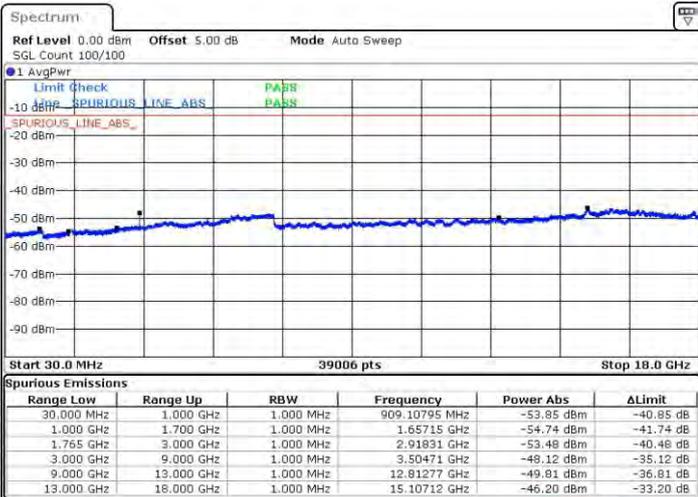


Date: 3 NOV 2015 20:59:13

Date: 3 NOV 2015 21:00:08

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3 NOV 2015 21:06:18

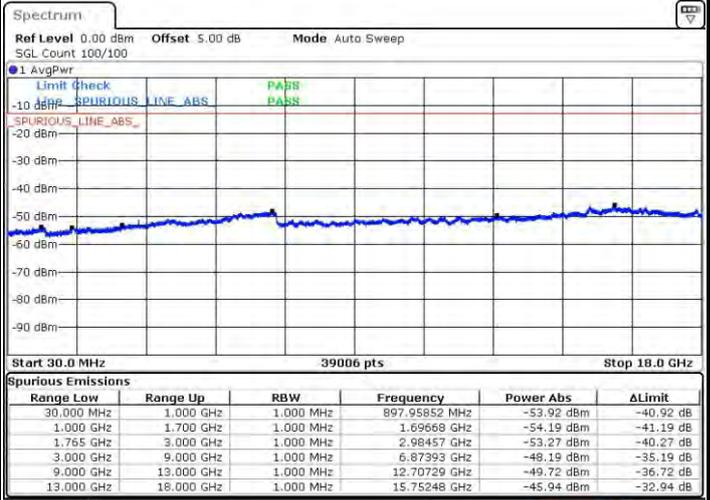
Date: 3 NOV 2015 21:07:13



LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

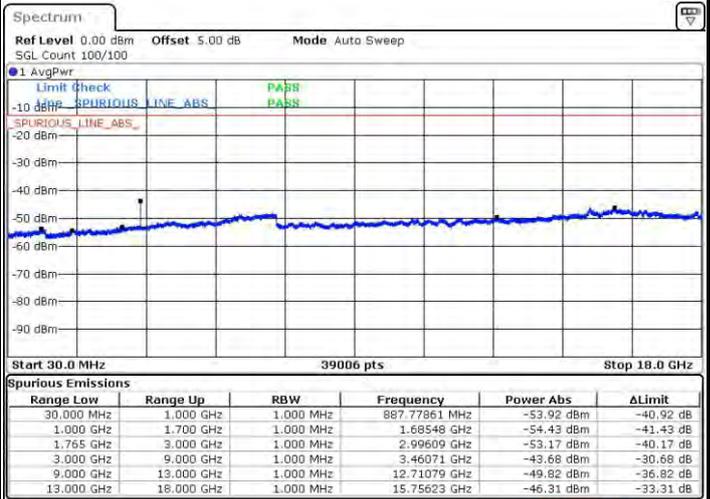
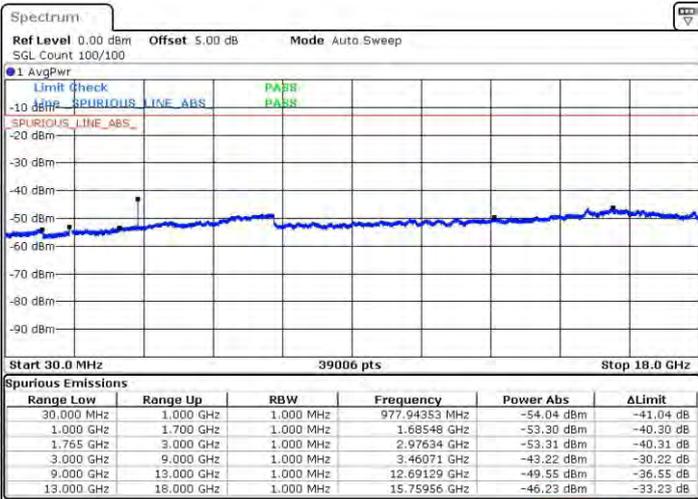


Date: 3 NOV 2015 21:13:23

Date: 3 NOV 2015 21:14:18

Middle Channel / QPSK

Middle Channel / 16QAM



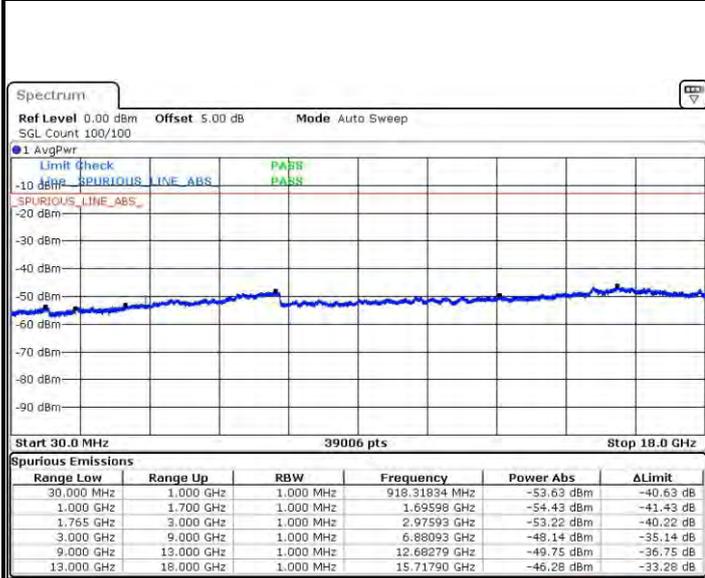
Date: 3 NOV 2015 21:15:56

Date: 3 NOV 2015 21:16:51



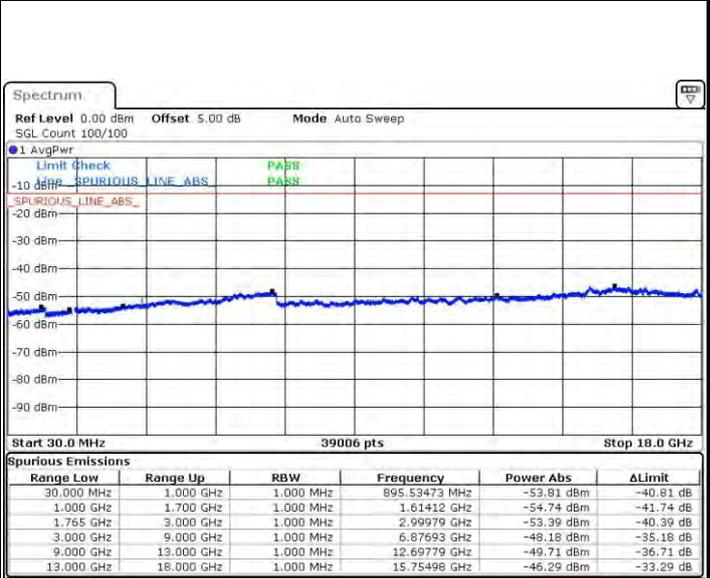
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 3 NOV 2015 21:23:00

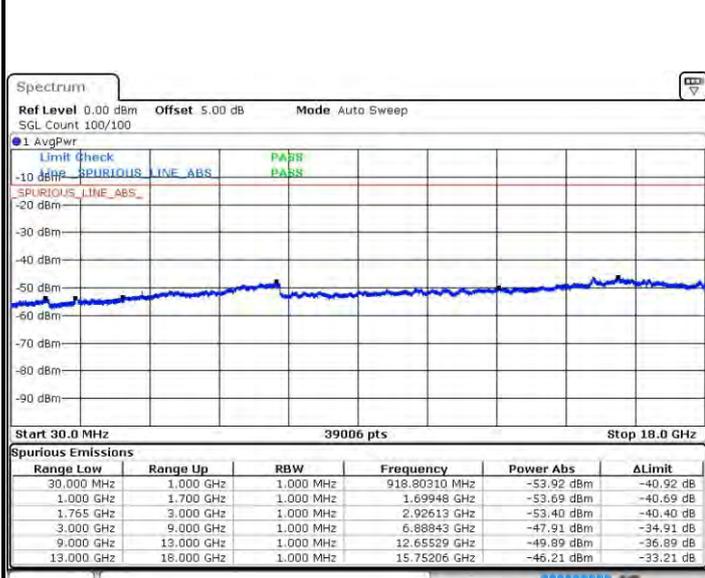
Highest Channel / 16QAM



Date: 3 NOV 2015 21:23:56

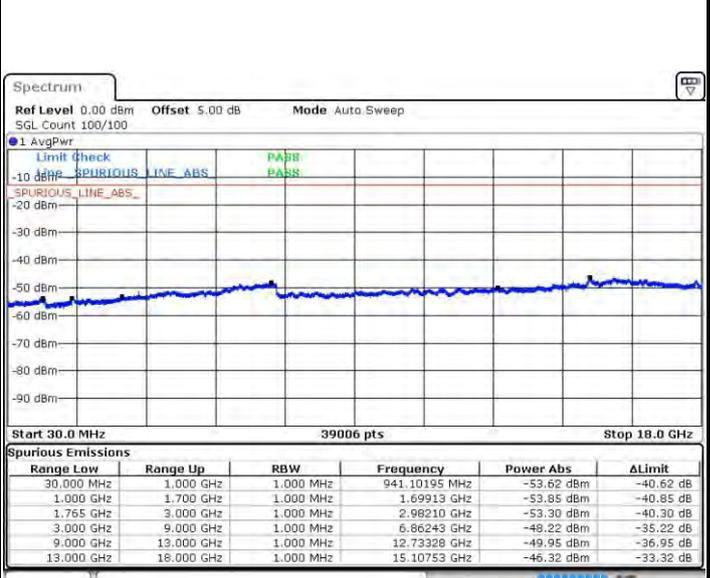
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 3 NOV 2015 21:30:05

Lowest Channel / 16QAM



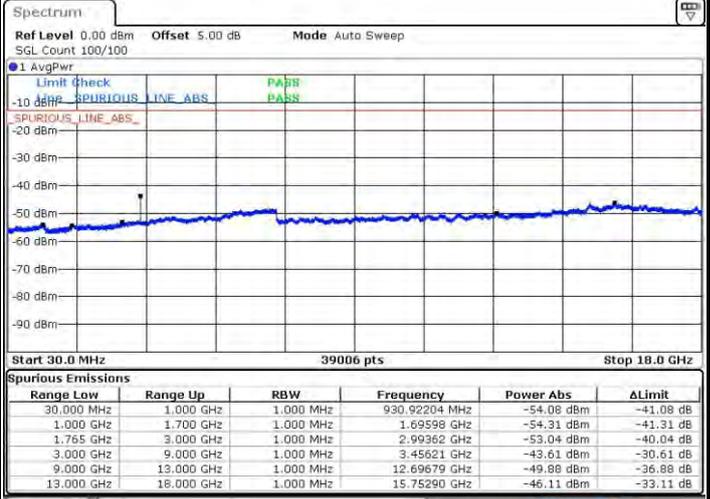
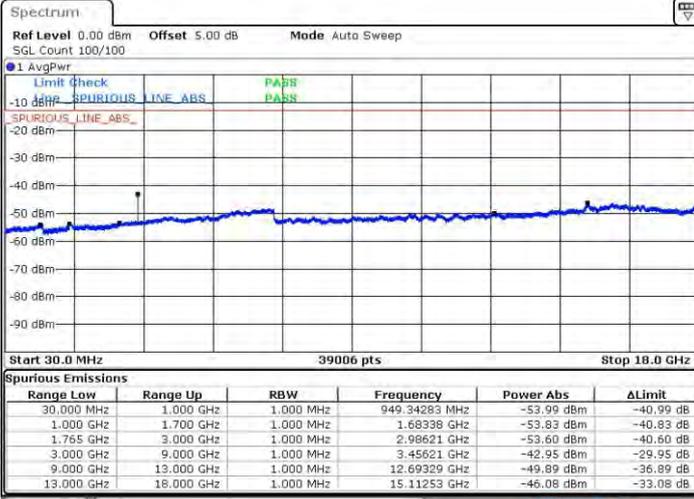
Date: 3 NOV 2015 21:31:01



LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

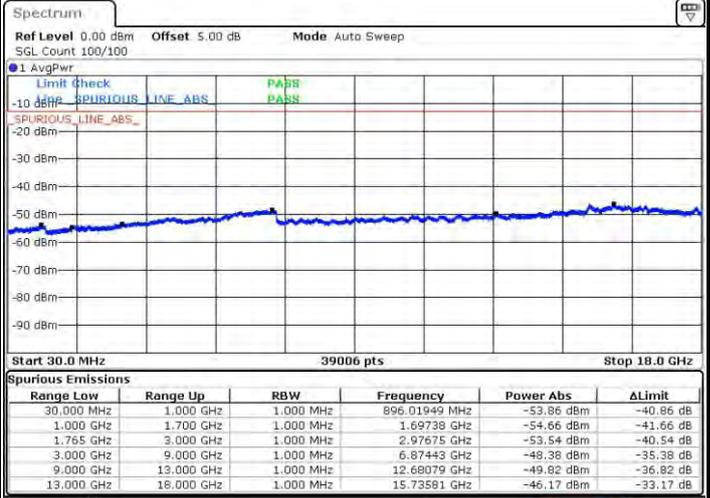
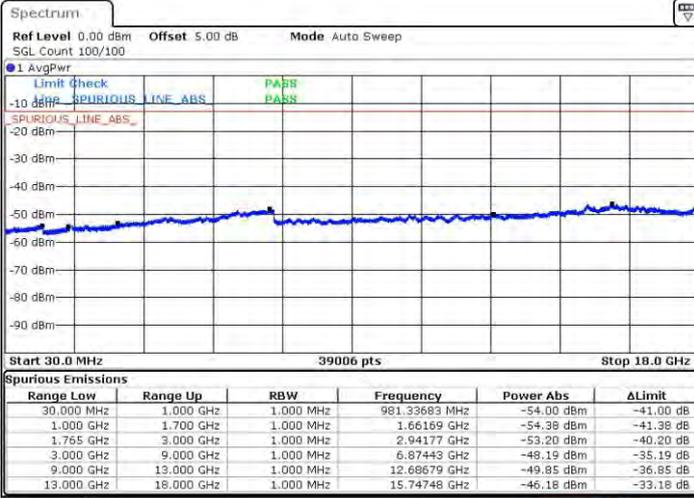


Date: 3 NOV 2015 21:32:38

Date: 3 NOV 2015 21:33:34

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3 NOV 2015 21:39:43

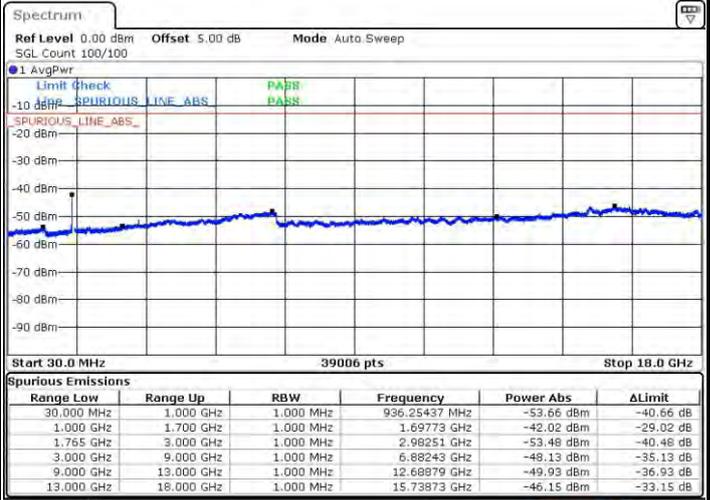
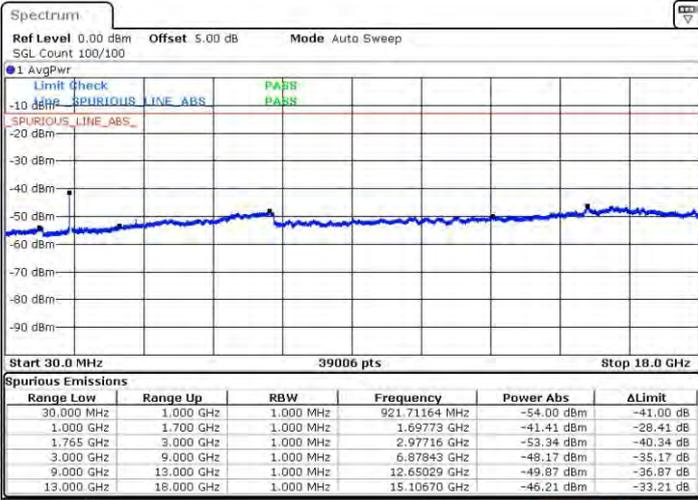
Date: 3 NOV 2015 21:40:39



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

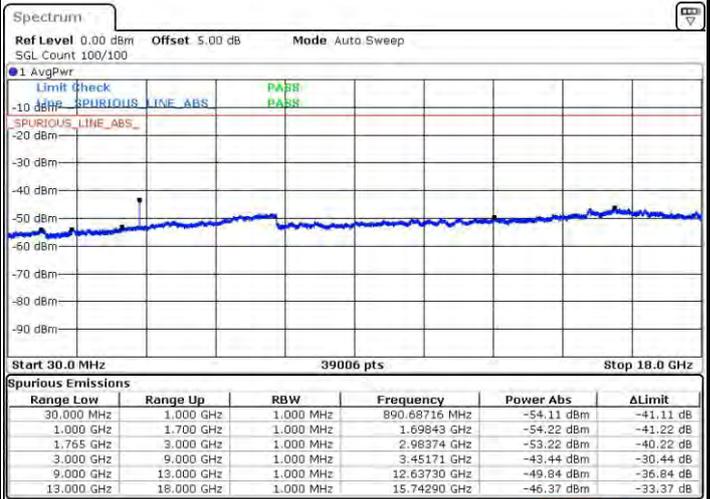
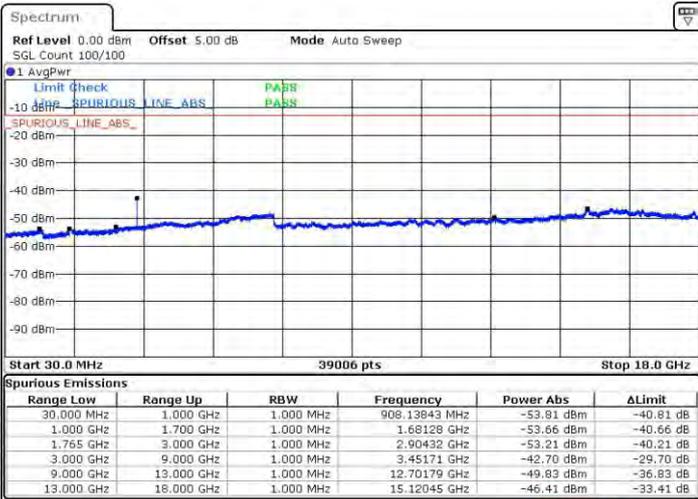


Date: 3 NOV 2015 22:34:21

Date: 3 NOV 2015 22:35:17

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 3 NOV 2015 22:36:54

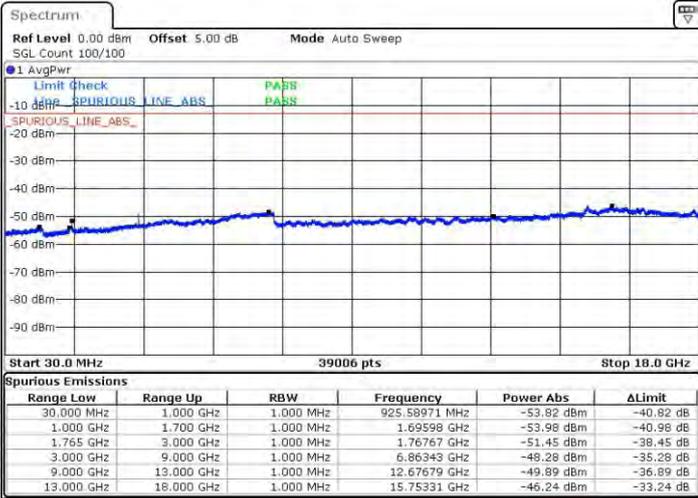
Date: 3 NOV 2015 22:37:50



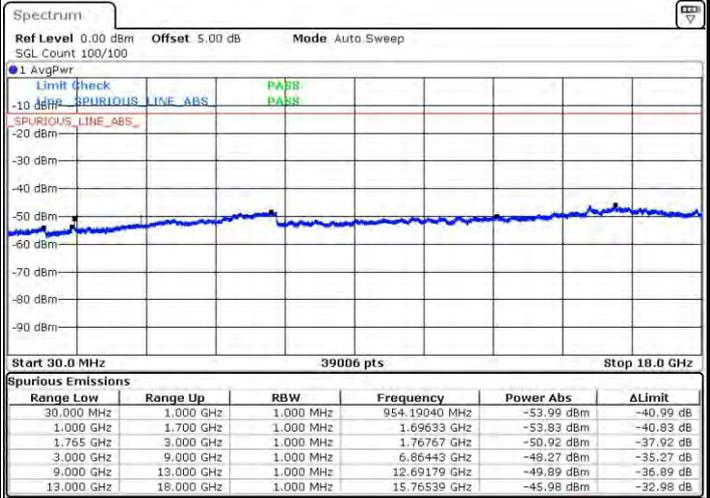
LTE Band 4 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 3 NOV 2015 22:43:59

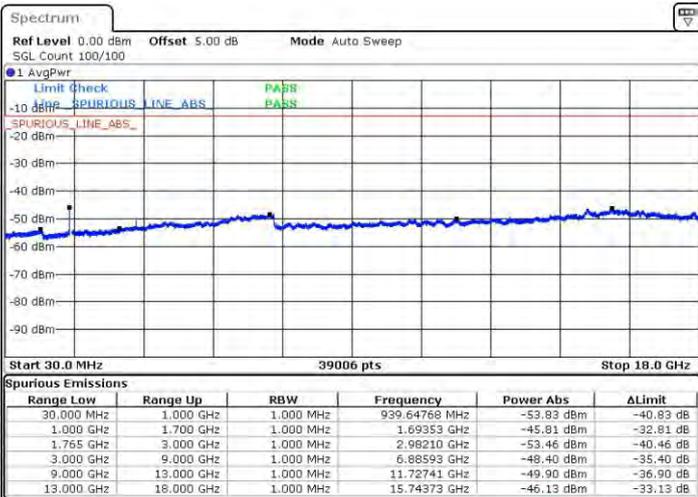


Date: 3 NOV 2015 22:44:55

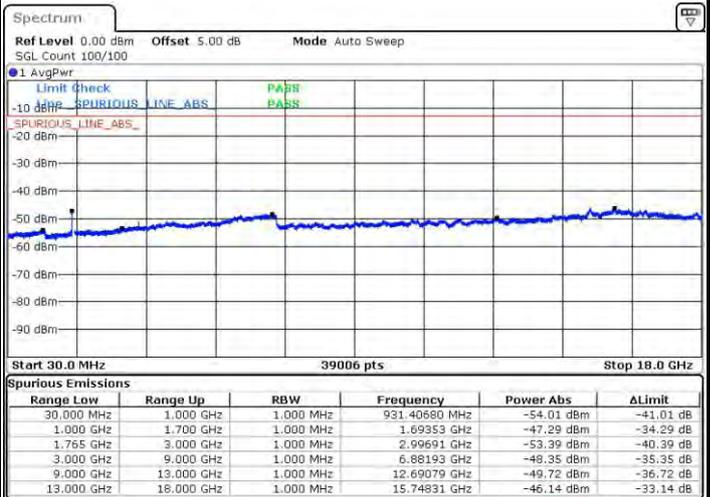
LTE Band 4 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 3 NOV 2015 22:51:04

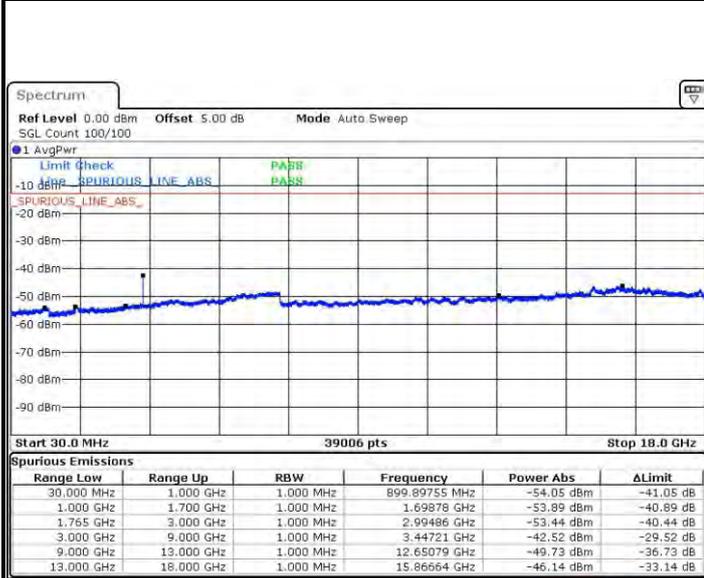


Date: 3 NOV 2015 22:52:00



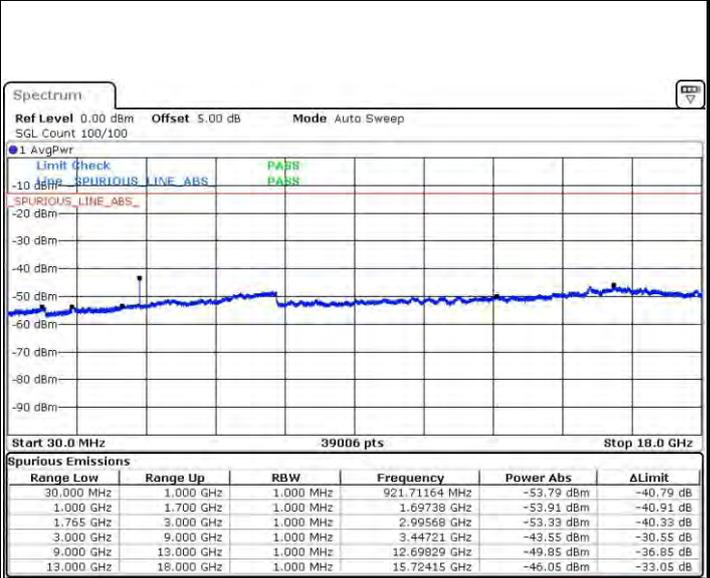
LTE Band 4 / 20MHz

Middle Channel / QPSK



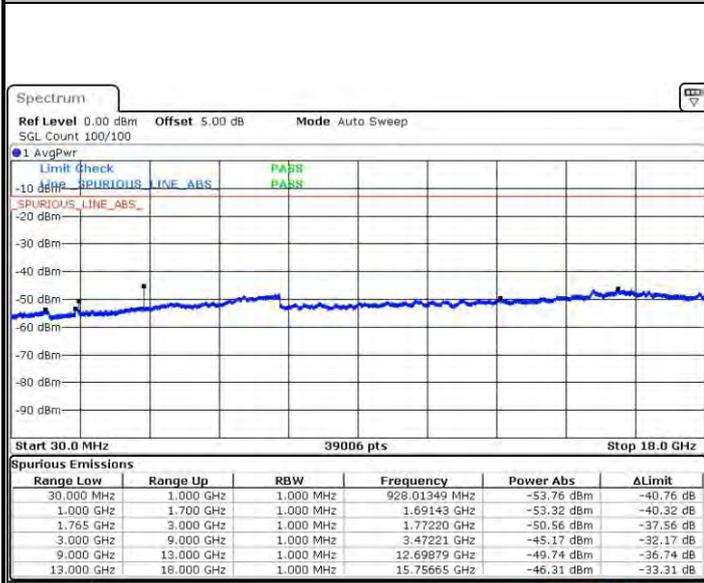
Date: 3 NOV 2015 22:53:37

Middle Channel / 16QAM



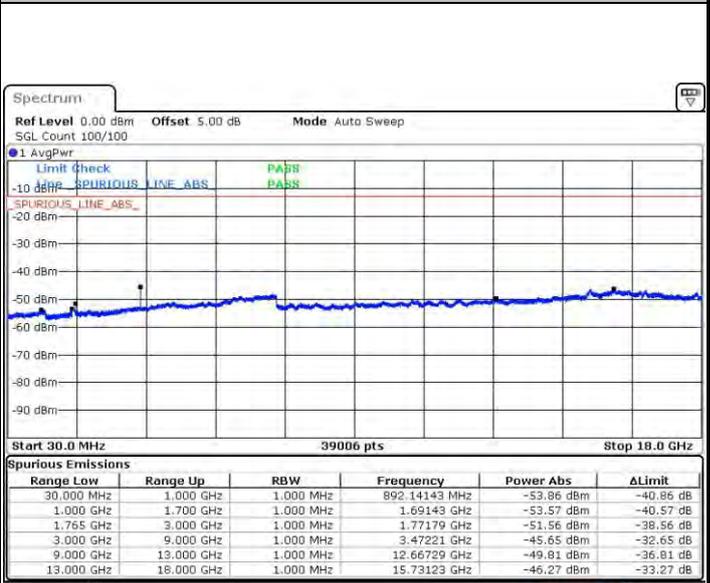
Date: 3 NOV 2015 22:54:33

Highest Channel / QPSK



Date: 3 NOV 2015 23:00:42

Highest Channel / 16QAM



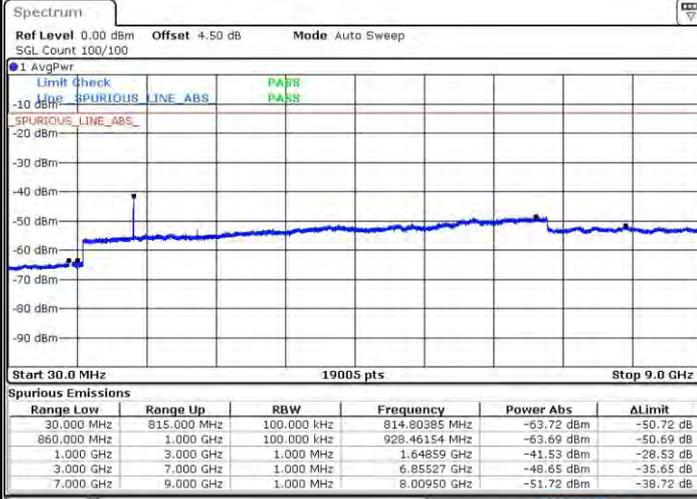
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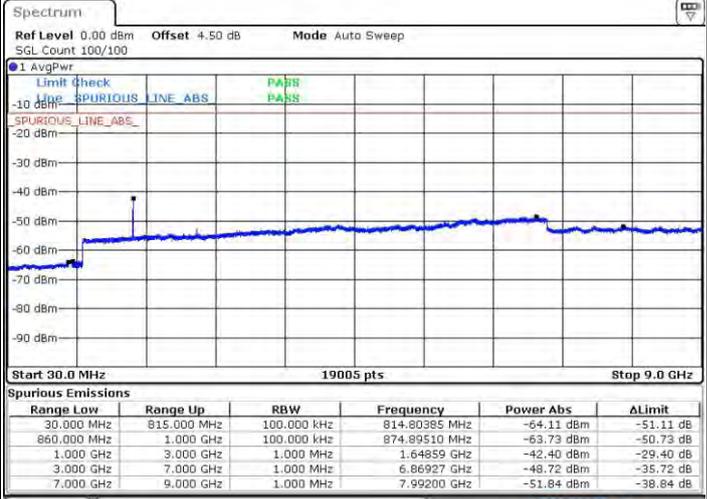
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



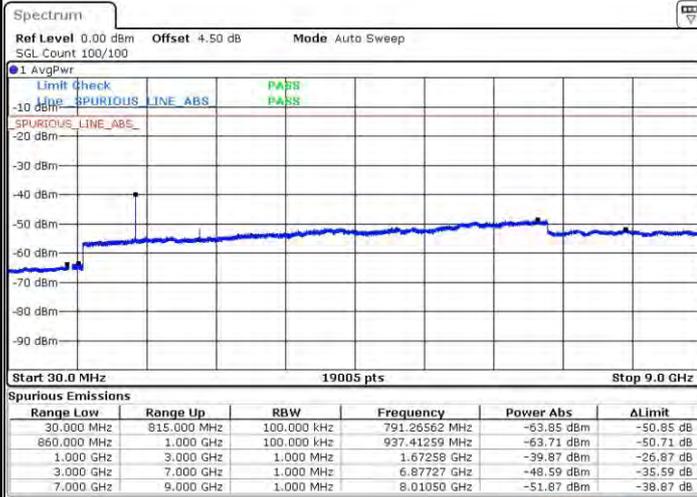
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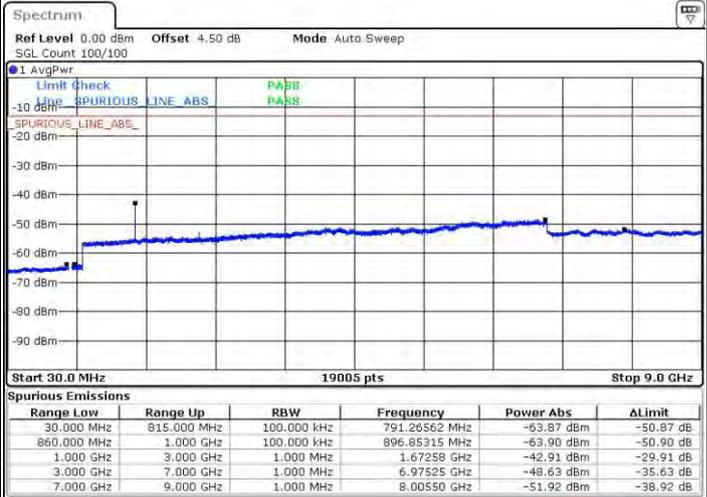
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Middle Channel / QPSK

Middle Channel / 16QAM



Date: 4.NOV.2015 15:03:37

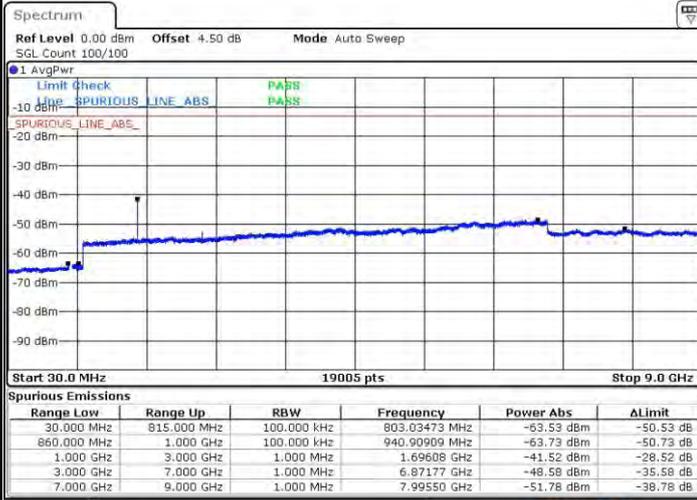


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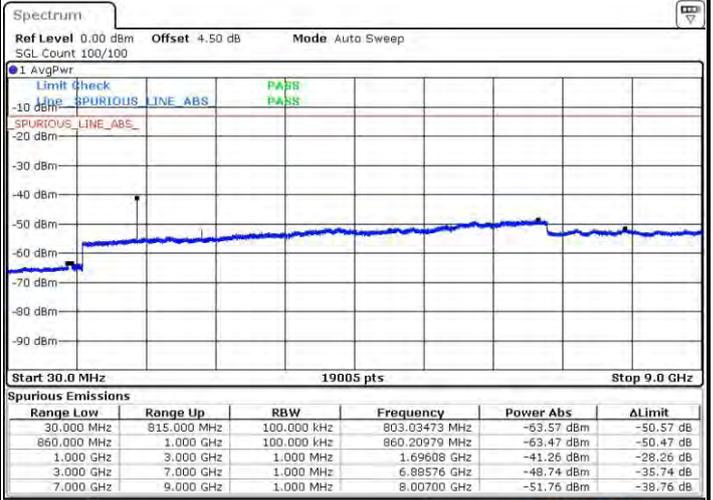
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



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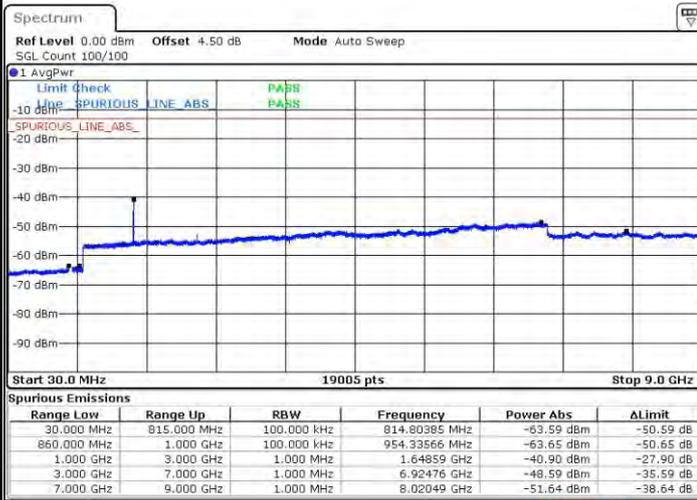
Highest Channel / 16QAM



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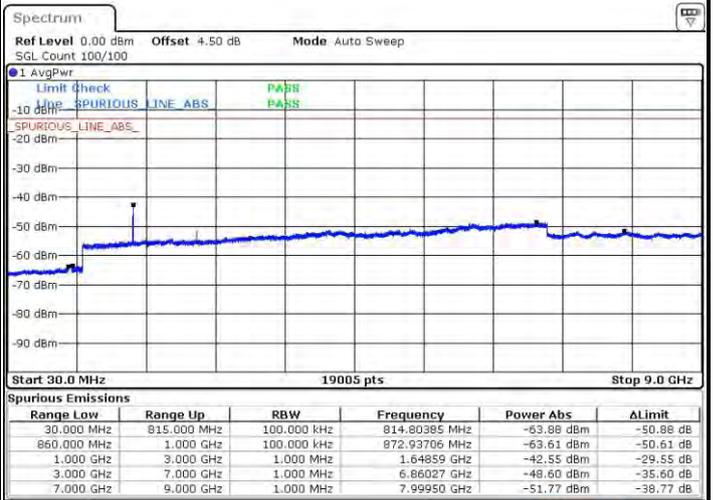
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 4.NOV.2015 15:24:51

Lowest Channel / 16QAM



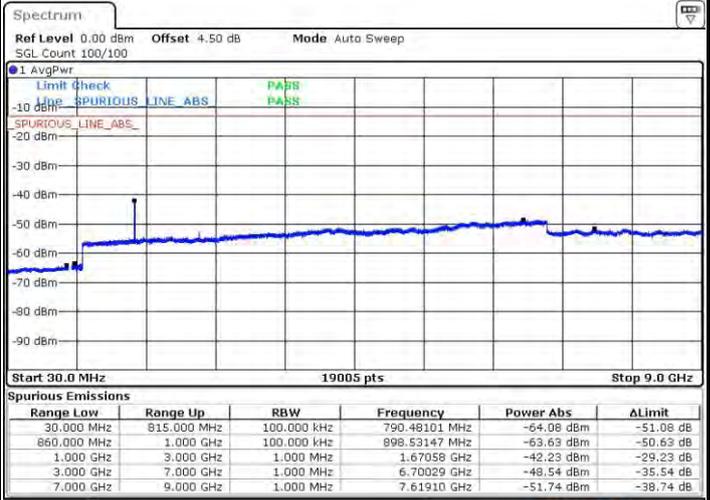
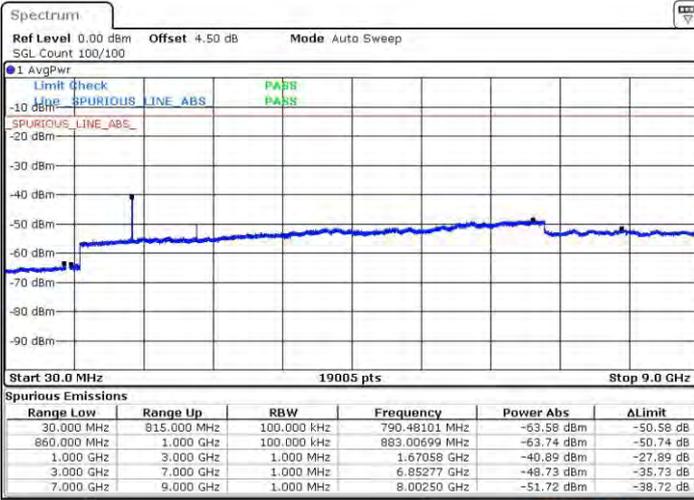
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LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

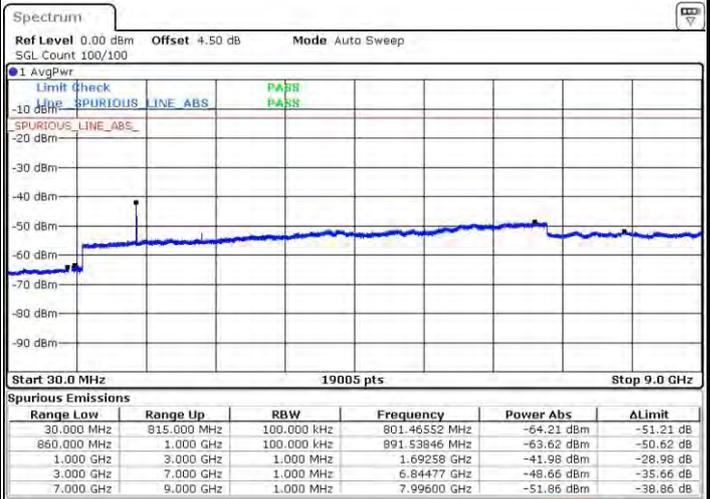
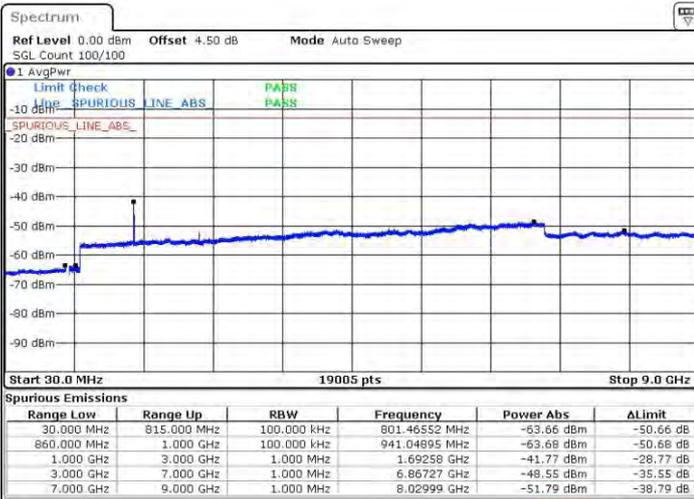


Date: 4.NOV.2015 15:27:23

Date: 4.NOV.2015 15:28:18

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4.NOV.2015 15:37:59

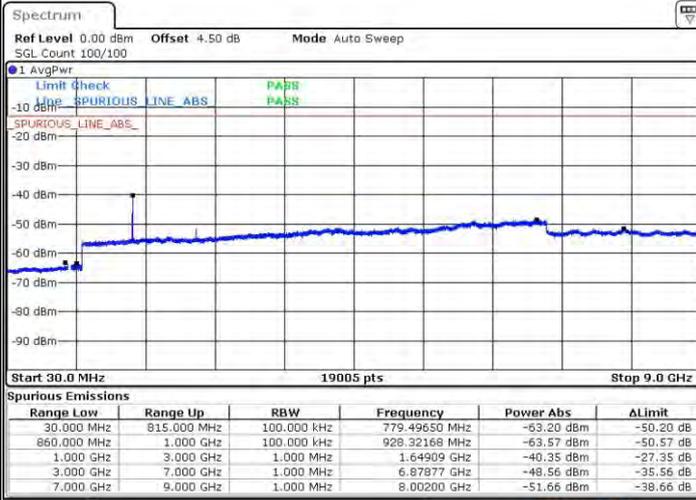
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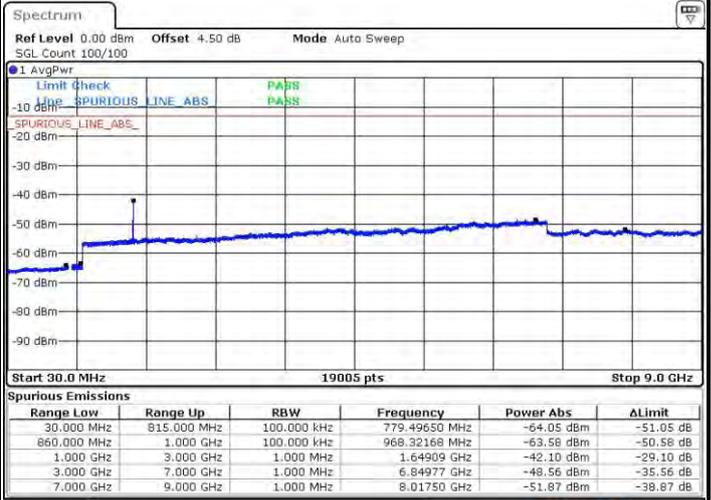
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



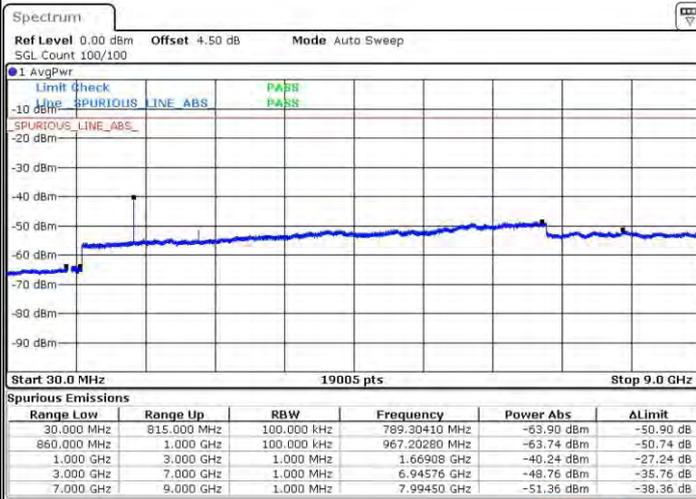
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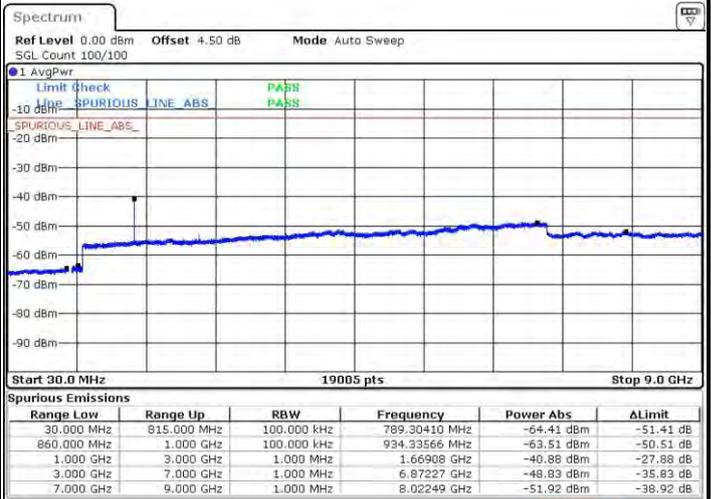
Date: 4 NOV 2015 15:49:31

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 4 NOV 2015 15:51:08



Date: 4 NOV 2015 15:52:03

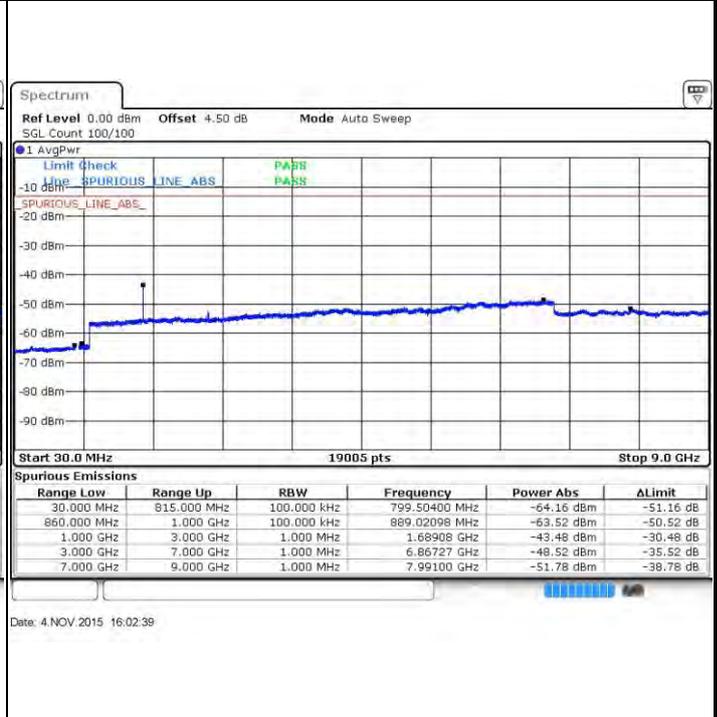


LTE Band 5 / 5MHz

Highest Channel / QPSK



Highest Channel / 16QAM

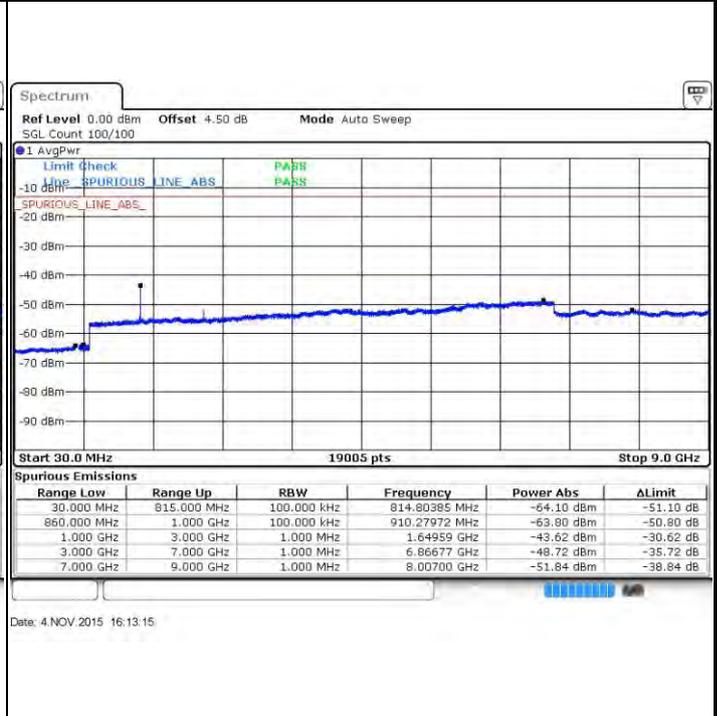


LTE Band 5 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

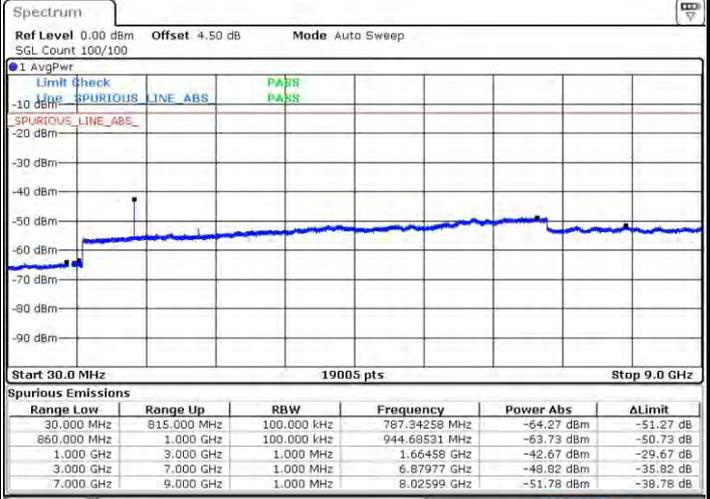
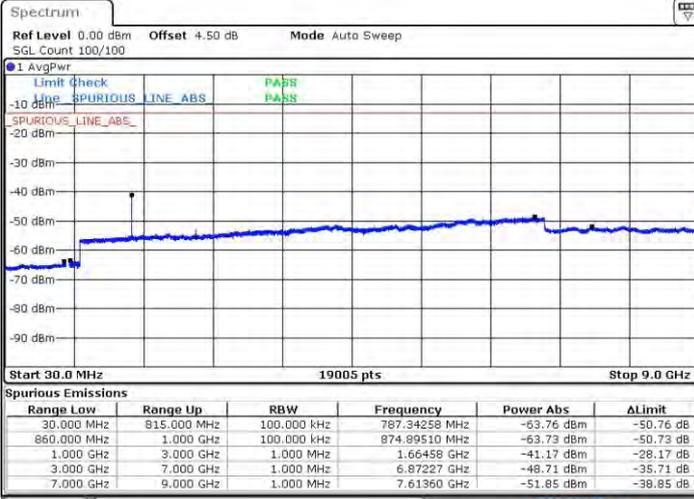




LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

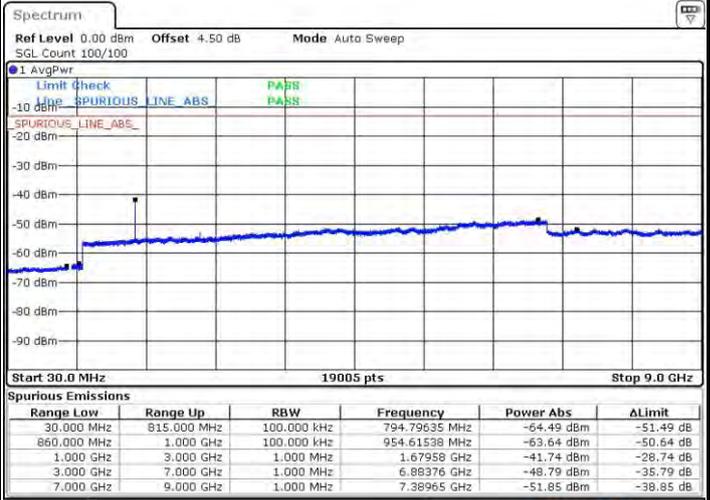
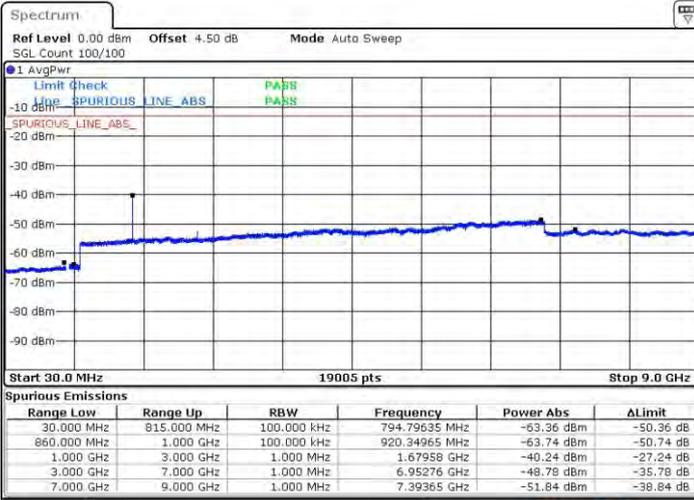


Date: 4.NOV.2015 16:14:52

Date: 4.NOV.2015 16:15:47

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4.NOV.2015 16:25:28

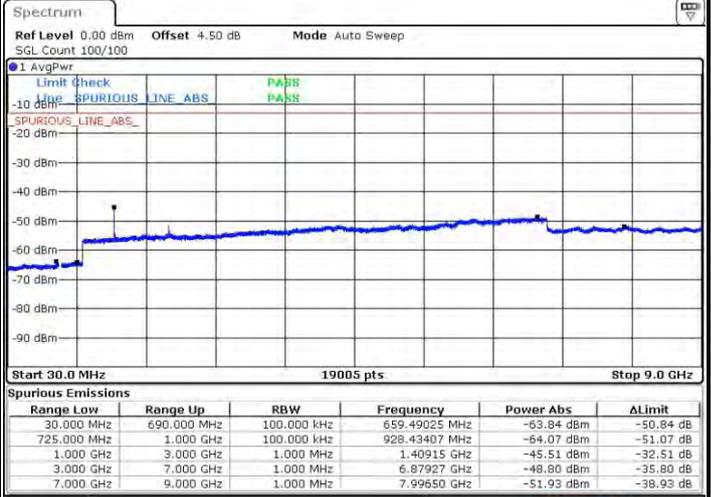
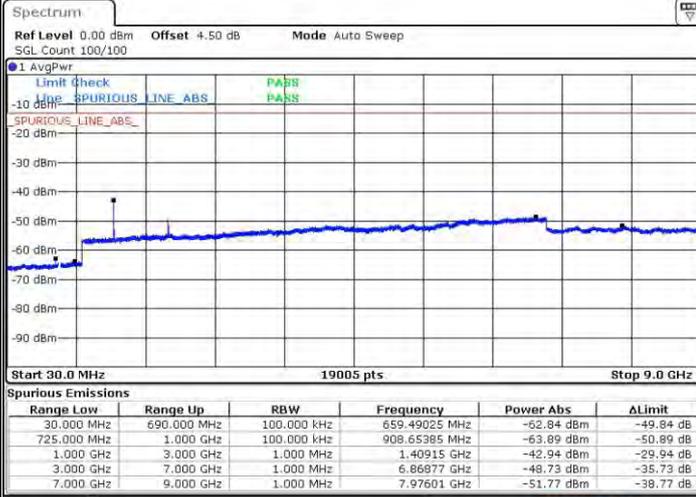
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LTE Band 17 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

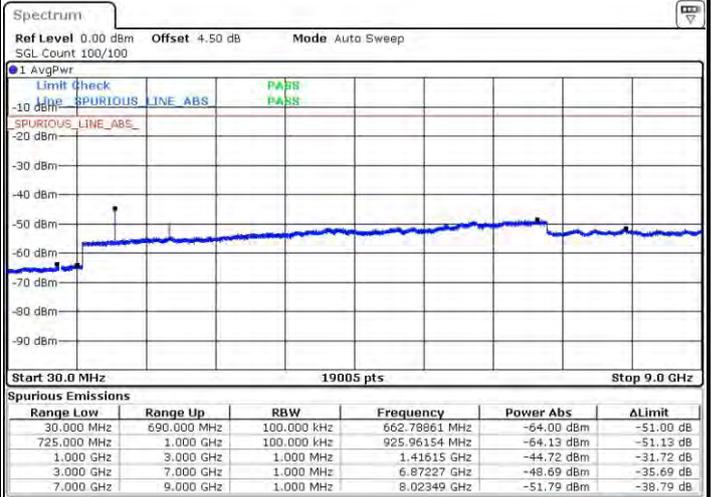
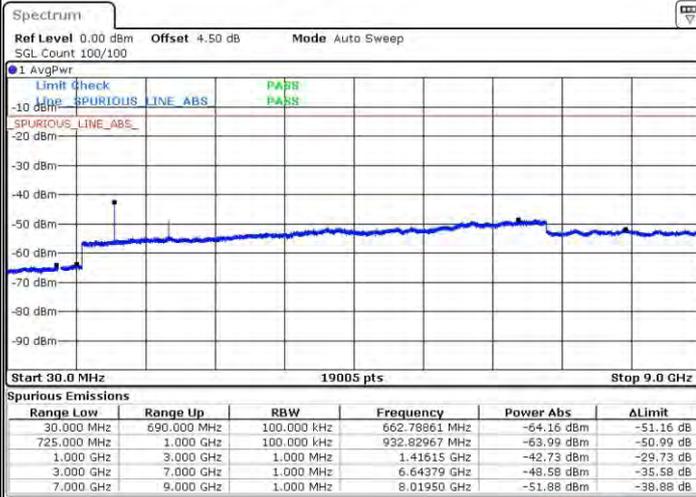


Date: 4.NOV.2015 18:48:09

Date: 4.NOV.2015 18:49:04

Middle Channel / QPSK

Middle Channel / 16QAM



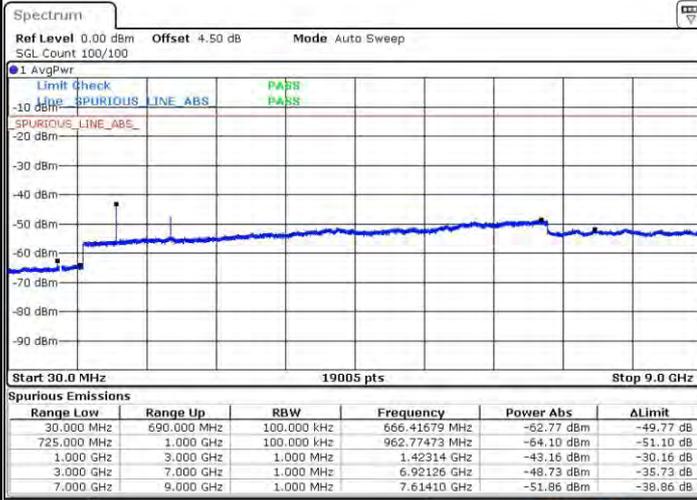
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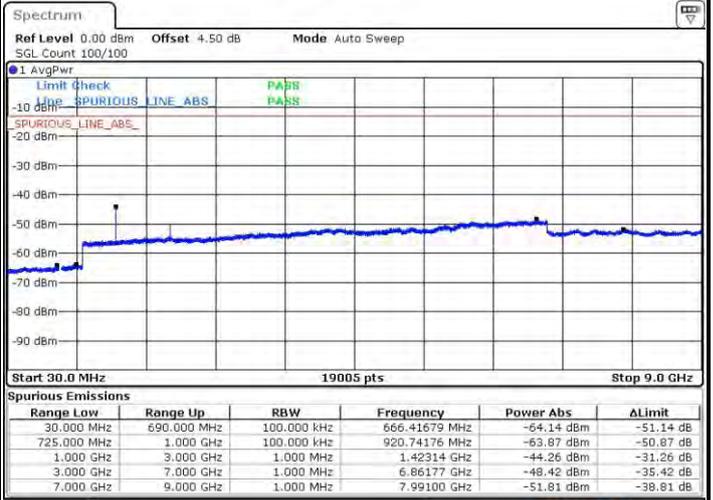
LTE Band 17 / 5MHz

Highest Channel / QPSK



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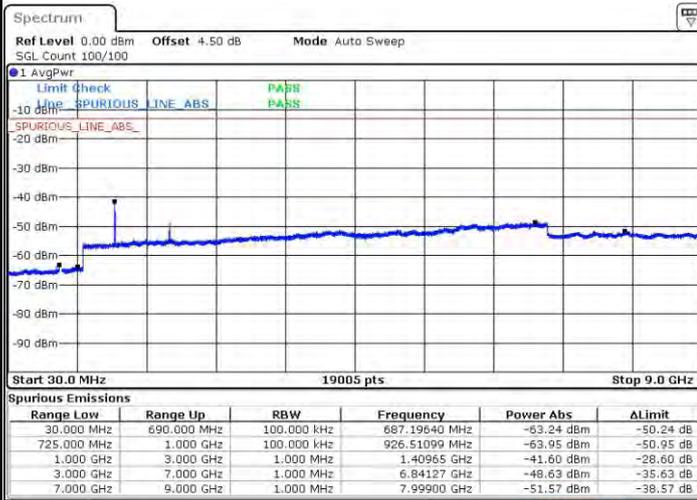
Highest Channel / 16QAM



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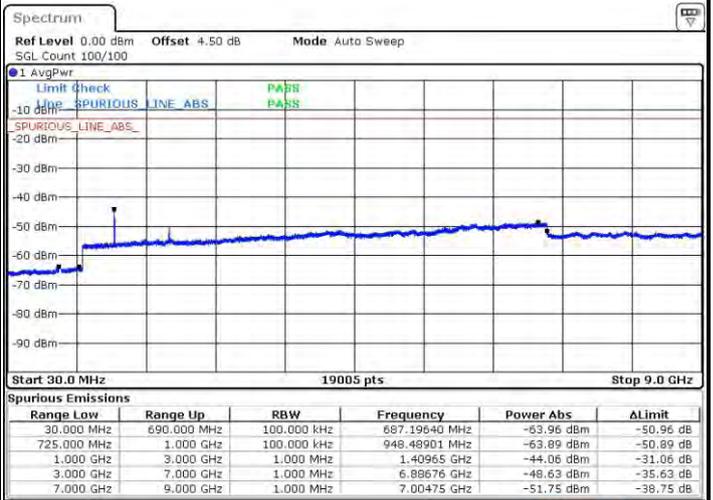
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 4.NOV.2015 19:11:53

Lowest Channel / 16QAM



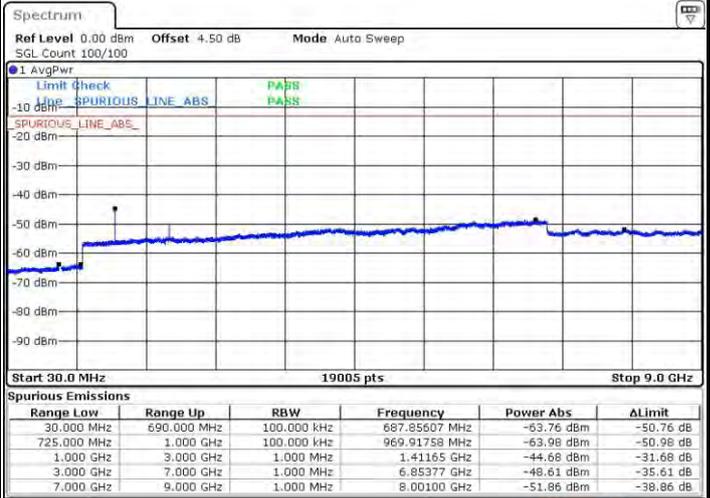
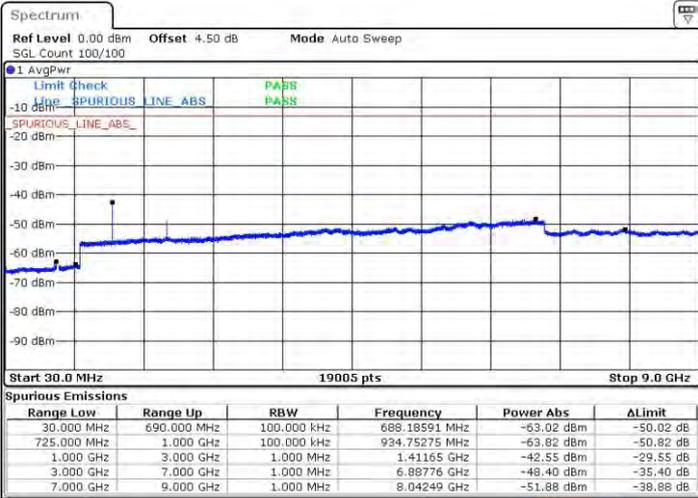
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LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

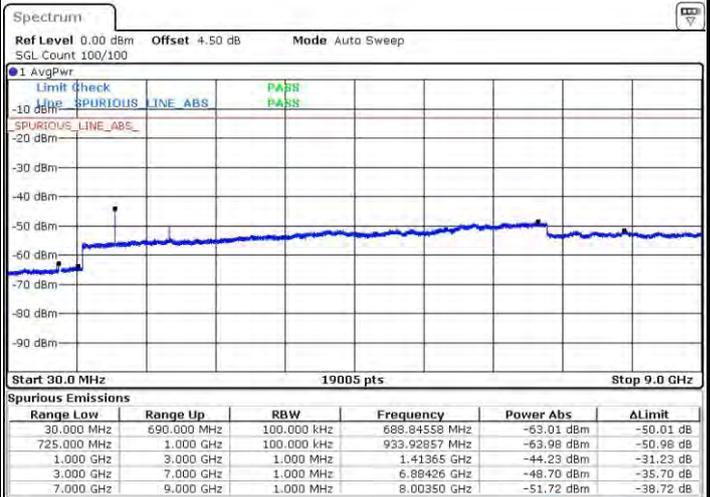
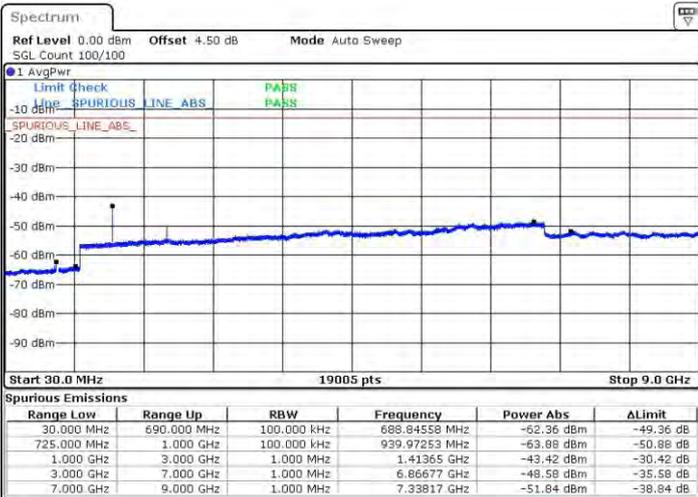


Date: 4.NOV.2015 19:14:25

Date: 4.NOV.2015 19:15:20

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 4.NOV.2015 19:25:01

Date: 4.NOV.2015 19:25:56



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	0.0088	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0084	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0084	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0078	
-20	Normal Voltage	0.0087	
-30	Normal Voltage	0.0082	
20	Maximum Voltage	0.0096	
20	Normal Voltage	0.0102	
20	Battery End Point	0.0091	

Note:

1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.2V
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	0.0127	PASS
40	Normal Voltage	0.0110	
30	Normal Voltage	0.0098	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0139	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0133	
-30	Normal Voltage	0.0081	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0035	
20	Battery End Point	0.0087	

Note:

1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.2V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0195	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0043	
20	Battery End Point	0.0007	

Note: Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.2V



Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0197	PASS
40	Normal Voltage	0.0296	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0254	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0030	
-20	Normal Voltage	0.0211	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0099	
20	Normal Voltage	0.0231	
20	Battery End Point	0.0042	

Note:

- 1. Normal Voltage = 3.7V. ; Battery End Point (BEP) = 3.5V. ; Maximum Voltage =4.2V
- 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	3	1	25.26	0.3357	25.29	0.3381
Middle		3	3	25.22	0.3327	25.90	0.3890
Highest		3	1	26.01	0.3990	26.81	0.4797
Lowest	16QAM	3	1	24.53	0.2838	24.55	0.2851
Middle		1	3	24.45	0.2786	25.11	0.3243
Highest		1	0	25.06	0.3206	25.84	0.3837
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	14	25.46	0.3516	25.48	0.3532
Middle		1	14	25.39	0.3459	26.11	0.4083
Highest		1	0	25.98	0.3963	26.63	0.4603
Lowest	16QAM	1	14	24.57	0.2864	24.57	0.2864
Middle		1	14	24.25	0.2661	25.05	0.3199
Highest		1	0	25.06	0.3206	25.71	0.3724
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	25.76	0.3767	25.71	0.3724
Middle		1	12	25.51	0.3556	26.18	0.4150
Highest		1	12	26.16	0.4130	26.93	0.4932
Lowest	16QAM	1	12	24.77	0.2999	24.78	0.3006
Middle		1	24	24.14	0.2594	24.90	0.3090
Highest		1	12	24.97	0.3141	25.76	0.3767
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	25	25.81	0.3811	26.03	0.4009
Middle		1	25	25.57	0.3606	26.14	0.4111
Highest		1	25	26.16	0.4130	26.69	0.4667
Lowest	16QAM	1	25	24.87	0.3069	24.91	0.3097
Middle		1	49	24.09	0.2564	24.45	0.2786
Highest		1	25	25.11	0.3243	25.68	0.3698
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	37	25.52	0.3565	25.47	0.3524
Middle		1	0	25.49	0.3540	26.10	0.4074
Highest		1	0	25.65	0.3673	26.27	0.4236
Lowest	16QAM	1	0	24.64	0.2911	24.68	0.2938
Middle		1	74	24.29	0.2685	25.05	0.3199
Highest		1	0	24.80	0.3020	25.42	0.3483
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	25.53	0.3573	25.26	0.3357
Middle		1	0	25.77	0.3776	25.77	0.3776
Highest		1	49	25.93	0.3917	26.43	0.4395
Lowest	16QAM	1	0	24.09	0.2564	24.14	0.2594
Middle		1	0	24.72	0.2965	24.73	0.2972
Highest		1	49	24.81	0.3027	25.30	0.3388
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	3	1	23.51	0.2244	23.75	0.2371
Middle		3	3	24.50	0.2818	24.66	0.2924
Highest		1	0	25.53	0.3573	24.83	0.3041
Lowest	16QAM	1	5	22.92	0.1959	23.11	0.2046
Middle		1	3	23.62	0.2301	23.83	0.2415
Highest		1	3	24.59	0.2877	24.08	0.2559
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	23.66	0.2323	23.92	0.2466
Middle		1	0	24.88	0.3076	24.98	0.3148
Highest		1	0	25.79	0.3793	25.32	0.3404
Lowest	16QAM	1	0	22.70	0.1862	22.97	0.1982
Middle		1	14	24.00	0.2512	24.07	0.2553
Highest		1	0	24.89	0.3083	24.46	0.2793
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	12	24.01	0.2518	24.16	0.2606
Middle		1	24	24.80	0.3020	25.21	0.3319
Highest		1	12	25.82	0.3819	25.36	0.3436
Lowest	16QAM	1	24	23.01	0.2000	23.10	0.2042
Middle		1	24	23.87	0.2438	24.07	0.2553
Highest		1	0	24.47	0.2799	24.26	0.2667
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	25	24.36	0.2729	24.43	0.2773
Middle		1	25	25.03	0.3184	25.26	0.3357
Highest		1	0	25.51	0.3556	25.32	0.3404
Lowest	16QAM	1	25	23.34	0.2158	23.39	0.2183
Middle		1	25	23.80	0.2399	24.01	0.2518
Highest		1	0	24.32	0.2704	24.09	0.2564
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	24.07	0.2553	24.29	0.2685
Middle		1	37	24.68	0.2938	24.85	0.3055
Highest		1	0	24.88	0.3076	25.09	0.3228
Lowest	16QAM	1	0	23.01	0.2000	23.21	0.2094
Middle		1	0	24.06	0.2547	23.94	0.2477
Highest		1	0	24.22	0.2642	24.46	0.2793
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	24.17	0.2612	24.28	0.2679
Middle		1	49	25.02	0.3177	24.91	0.3097
Highest		1	0	25.14	0.3266	25.37	0.3443
Lowest	16QAM	1	0	23.09	0.2037	23.30	0.2138
Middle		1	0	24.05	0.2541	23.94	0.2477
Highest		1	0	24.19	0.2624	24.33	0.2710
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	3	20.91	0.1233	3.88	0.0024
Middle		3	1	20.31	0.1074	4.09	0.0026
Highest		1	0	19.48	0.0887	3.69	0.0023
Lowest	16QAM	1	5	20.26	0.1062	3.32	0.0021
Middle		1	0	19.61	0.0914	3.34	0.0022
Highest		1	3	18.28	0.0673	2.61	0.0018
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	0	20.28	0.1067	3.38	0.0022
Middle		1	0	19.76	0.0946	3.26	0.0021
Highest		8	0	18.47	0.0703	2.59	0.0018
Lowest	16QAM	1	0	20.20	0.1047	3.30	0.0021
Middle		1	14	19.61	0.0914	3.59	0.0023
Highest		1	14	18.66	0.0735	2.88	0.0019
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	12	13	19.79	0.0953	2.82	0.0019
Middle		1	12	19.61	0.0914	3.57	0.0023
Highest		1	0	19.00	0.0794	3.54	0.0023
Lowest	16QAM	1	24	20.07	0.1016	3.09	0.0020
Middle		1	0	19.44	0.0879	3.26	0.0021
Highest		1	0	18.89	0.0774	3.42	0.0022
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	25	21.18	0.1312	3.89	0.0024
Middle		1	0	20.14	0.1033	3.53	0.0023
Highest		1	25	19.66	0.0925	4.18	0.0026
Lowest	16QAM	1	25	20.50	0.1122	3.40	0.0022
Middle		1	0	19.61	0.0914	2.89	0.0019
Highest		1	25	19.02	0.0798	3.28	0.0021
Limit	ERP < 7W			Result		PASS	



LTE Band 17 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	18.54	0.0714	3.39	0.0022
Middle		1	12	18.70	0.0741	2.64	0.0018
Highest		1	12	18.96	0.0787	3.15	0.0021
Lowest	16QAM	1	12	17.73	0.0593	2.42	0.0017
Middle		1	0	18.04	0.0637	2.52	0.0018
Highest		1	12	18.17	0.0656	2.43	0.0017
Limit	ERP < 3W			Result		ASS	

LTE Band 17 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	18.31	0.0678	3.25	0.0021
Middle		1	25	18.74	0.0748	3.07	0.0020
Highest		1	0	18.95	0.0785	3.63	0.0023
Lowest	16QAM	1	25	17.72	0.0592	2.06	0.0016
Middle		1	0	17.99	0.0630	2.64	0.0018
Highest		1	0	18.29	0.0675	2.94	0.0020
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	-51.25	-13	-38.25	-65.45	-55.85	3.00	7.60	H
	5637	-47.36	-13	-34.36	-61.15	-53.62	3.84	10.10	H
	7518	-41.85	-13	-28.85	-61.63	-49.35	4.43	11.93	H
	3759	-53.06	-13	-40.06	-65.55	-57.66	3.00	7.60	V
	5637	-49.11	-13	-36.11	-61.52	-55.37	3.84	10.10	V
	7518	-42.83	-13	-29.83	-60.62	-50.33	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)
Middle	3756	-51.63	-13	-38.63	-65.83	-56.23	3.00	7.60	H
	5637	-44.78	-13	-31.78	-58.57	-51.04	3.84	10.10	H
	7515	-41.17	-13	-28.17	-60.95	-48.67	4.43	11.93	H
	3756	-53.24	-13	-40.24	-65.73	-57.84	3.00	7.60	V
	5637	-49.37	-13	-36.37	-61.78	-55.63	3.84	10.10	V
	7515	-43.89	-13	-30.89	-61.68	-51.39	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)
Middle	3756	-51.73	-13	-38.73	-65.93	-56.33	3.00	7.60	H
	5634	-45.15	-13	-32.15	-58.94	-51.41	3.84	10.10	H
	7512	-42.48	-13	-29.48	-62.26	-49.98	4.43	11.93	H
	3756	-53.33	-13	-40.33	-65.82	-57.93	3.00	7.60	V
	5634	-49.19	-13	-36.19	-61.6	-55.45	3.84	10.10	V
	7512	-44.40	-13	-31.40	-62.19	-51.90	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)
Middle	3750	-50.88	-13	-37.88	-65.08	-55.48	3.00	7.60	H
	5628	-44.28	-13	-31.28	-58.07	-50.54	3.84	10.10	H
	7503	-41.28	-13	-28.28	-61.06	-48.78	4.43	11.93	H
	3750	-53.47	-13	-40.47	-65.96	-58.07	3.00	7.60	V
	5628	-48.07	-13	-35.07	-60.48	-54.33	3.84	10.10	V
	7503	-44.25	-13	-31.25	-62.04	-51.75	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)
Middle	3747	-51.12	-13	-38.12	-65.32	-55.72	3.00	7.60	H
	5622	-44.61	-13	-31.61	-58.40	-50.87	3.84	10.10	H
	7494	-40.65	-13	-27.65	-60.43	-48.15	4.43	11.93	H
	3747	-52.84	-13	-39.84	-65.33	-57.44	3.00	7.60	V
	5622	-49.15	-13	-36.15	-61.56	-55.41	3.84	10.10	V
	7494	-43.57	-13	-30.57	-61.36	-51.07	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)
Middle	3741	-50.17	-13	-37.17	-64.37	-54.77	3.00	7.60	H
	5616	-44.68	-13	-31.68	-58.47	-50.94	3.84	10.10	H
	7485	-41.36	-13	-28.36	-61.14	-48.86	4.43	11.93	H
	3741	-52.90	-13	-39.90	-65.39	-57.50	3.00	7.60	V
	5613	-49.29	-13	-36.29	-61.7	-55.55	3.84	10.10	V
	7485	-43.03	-13	-30.03	-60.82	-50.53	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)
Middle	3465	-50.64	-13	-37.64	-64.77	-55.01	3.12	7.49	H
	5196	-46.98	-13	-33.98	-60.13	-52.78	3.65	9.45	H
	6927	-43.69	-13	-30.69	-60.55	-50.89	4.15	11.35	H
	3465	-51.09	-13	-38.09	-63.91	-55.46	3.12	7.49	V
	5196	-47.97	-13	-34.97	-61.98	-53.77	3.65	9.45	V
	6927	-46.29	-13	-33.29	-61.54	-53.49	4.15	11.35	V

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

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3462	-51.21	-13	-38.21	-65.34	-55.58	3.12	7.49	H
	5193	-48.21	-13	-35.21	-61.36	-54.01	3.65	9.45	H
	6924	-43.62	-13	-30.62	-60.48	-50.82	4.15	11.35	H
	3462	-52.85	-13	-39.85	-65.67	-57.22	3.12	7.49	V
	5193	-48.09	-13	-35.09	-62.1	-53.89	3.65	9.45	V
	6924	-44.54	-13	-31.54	-59.79	-51.74	4.15	11.35	V

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



LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3462	-50.60	-13	-37.60	-64.73	-54.97	3.12	7.49	H
	5193	-48.92	-13	-35.92	-62.07	-54.72	3.65	9.45	H
	6921	-44.39	-13	-31.39	-61.25	-51.59	4.15	11.35	H
	3462	-52.57	-13	-39.57	-65.39	-56.94	3.12	7.49	V
	5191.56	-48.13	-13	-35.13	-62.14	-53.93	3.65	9.45	V
	6921	-45.94	-13	-32.94	-61.19	-53.14	4.15	11.35	V

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

LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3456	-50.41	-13	-37.41	-64.54	-54.78	3.12	7.49	H
	5184	-49.07	-13	-36.07	-62.22	-54.87	3.65	9.45	H
	6912	-43.09	-13	-30.09	-59.95	-50.29	4.15	11.35	H
	3456	-52.03	-13	-39.03	-64.85	-56.40	3.12	7.49	V
	5184	-47.19	-13	-34.19	-61.2	-52.99	3.65	9.45	V
	6912	-45.60	-13	-32.60	-60.85	-52.80	4.15	11.35	V

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



LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3453	-51.72	-13	-38.72	-65.85	-56.09	3.12	7.49	H
	5178	-49.71	-13	-36.71	-62.86	-55.51	3.65	9.45	H
	6906	-44.20	-13	-31.20	-61.06	-51.40	4.15	11.35	H
	3453	-52.35	-13	-39.35	-65.17	-56.72	3.12	7.49	V
	5178.6	-48.39	-13	-35.39	-62.4	-54.19	3.65	9.45	V
	6906	-46.11	-13	-33.11	-61.36	-53.31	4.15	11.35	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3447	-50.58	-13	-37.58	-64.71	-54.95	3.12	7.49	H
	5172	-49.47	-13	-36.47	-62.62	-55.27	3.65	9.45	H
	6894	-44.08	-13	-31.08	-60.94	-51.28	4.15	11.35	H
	3447	-51.04	-13	-38.04	-63.86	-55.41	3.12	7.49	V
	5172	-48.06	-13	-35.06	-62.07	-53.86	3.65	9.45	V
	6894	-44.69	-13	-31.69	-59.94	-51.89	4.15	11.35	V

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



LTE Band 5 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	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	-56.78	-13	-43.78	-58.96	-58.67	1.86	5.90	H
	2508	-54.44	-13	-41.44	-63.47	-56.78	2.31	6.80	H
	3345	-52.26	-13	-39.26	-64.89	-54.66	2.85	7.40	H
	1672	-58.28	-13	-45.28	-57.14	-60.17	1.86	5.90	V
	2508	-52.85	-13	-39.85	-63.82	-55.19	2.31	6.80	V
	3345	-50.55	-13	-37.55	-64.53	-52.95	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	-56.07	-13	-43.07	-58.25	-57.96	1.86	5.90	H
	2504	-55.08	-13	-42.08	-64.11	-57.42	2.31	6.80	H
	3339	-52.58	-13	-39.58	-65.21	-54.98	2.85	7.40	H
	1670	-59.15	-13	-46.15	-58.01	-61.04	1.86	5.90	V
	2504	-53.45	-13	-40.45	-64.42	-55.79	2.31	6.80	V
	3339	-50.83	-13	-37.83	-64.81	-53.23	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	-56.84	-13	-43.84	-59.02	-58.73	1.86	5.90	H
	2504	-54.72	-13	-41.72	-63.75	-57.06	2.31	6.80	H
	3339	-51.56	-13	-38.56	-64.19	-53.96	2.85	7.40	H
	1668	-59.15	-13	-46.15	-58.01	-61.04	1.86	5.90	V
	2504	-53.24	-13	-40.24	-64.21	-55.58	2.31	6.80	V
	3339	-50.81	-13	-37.81	-64.79	-53.21	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	-56.56	-13	-43.56	-58.74	-58.45	1.86	5.90	H
	2496	-54.81	-13	-41.81	-63.84	-57.15	2.31	6.80	H
	3330	-52.18	-13	-39.18	-64.81	-54.58	2.85	7.40	H
	1664	-59.78	-13	-46.78	-58.64	-61.67	1.86	5.90	V
	2496	-52.16	-13	-39.16	-63.13	-54.50	2.31	6.80	V
	3330	-51.35	-13	-38.35	-65.33	-53.75	2.85	7.40	V

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



LTE Band 17 / 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	1416	-61.48	-13	-48.48	-57.90	-62.46	1.75	4.88	H
	2124	-55.35	-13	-42.35	-61.36	-56.97	2.16	5.93	H
	2832	-54.83	-13	-41.83	-65.25	-56.86	2.48	6.66	H
	1416	-58.99	-13	-45.99	-57.46	-59.97	1.75	4.88	V
	2124	-52.66	-13	-39.66	-60.64	-54.28	2.16	5.93	V
	2832	-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.

LTE Band 17 / 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	1412	-60.12	-13	-47.12	-56.54	-61.10	1.75	4.88	H
	2117	-52.47	-13	-39.47	-58.48	-54.09	2.16	5.93	H
	2822	-53.61	-13	-40.61	-64.03	-55.64	2.48	6.66	H
	1412	-58.56	-13	-45.56	-57.03	-59.54	1.75	4.88	V
	2117	-53.19	-13	-40.19	-61.17	-54.81	2.16	5.93	V
	2822	-52.58	-13	-39.58	-64.09	-54.61	2.48	6.66	V

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