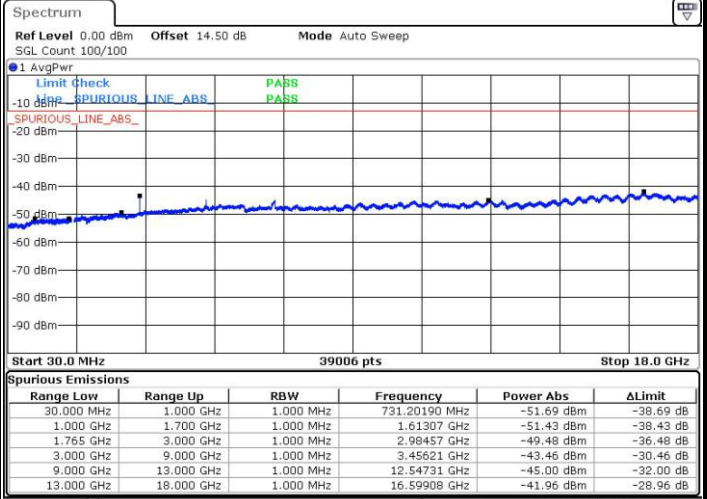
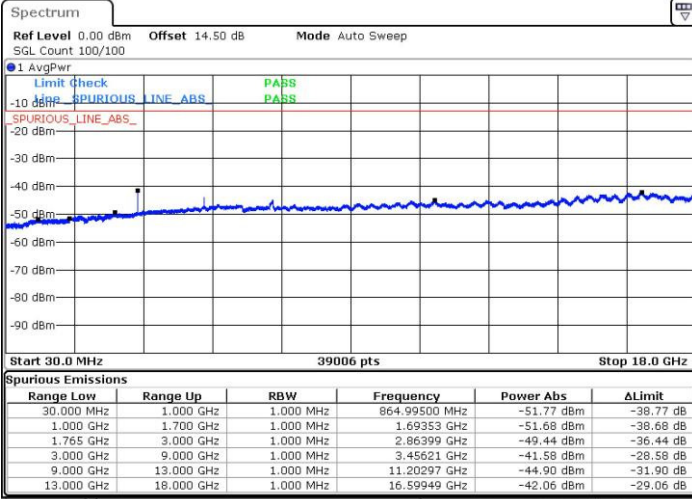




LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

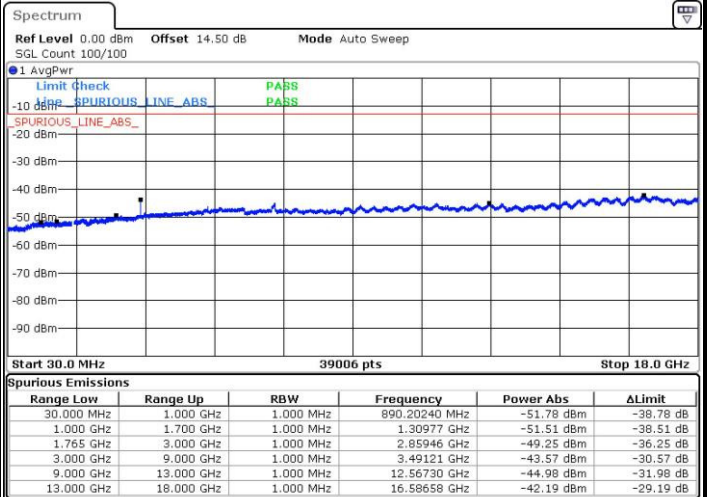
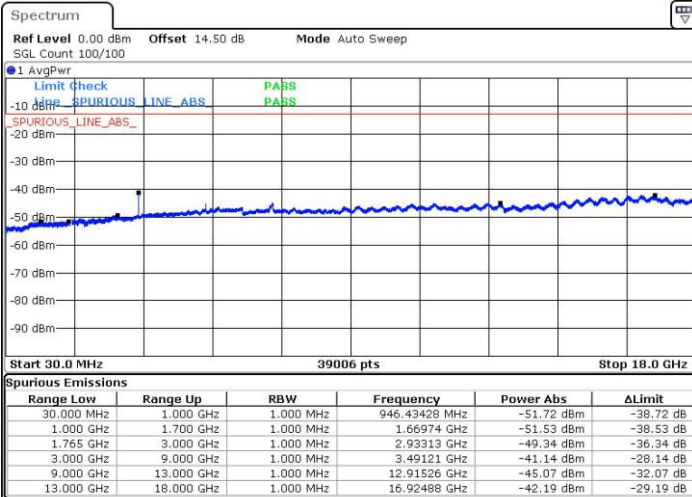


Date: 22.NOV.2016 17:05:30

Date: 22.NOV.2016 17:06:27

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22.NOV.2016 17:12:44

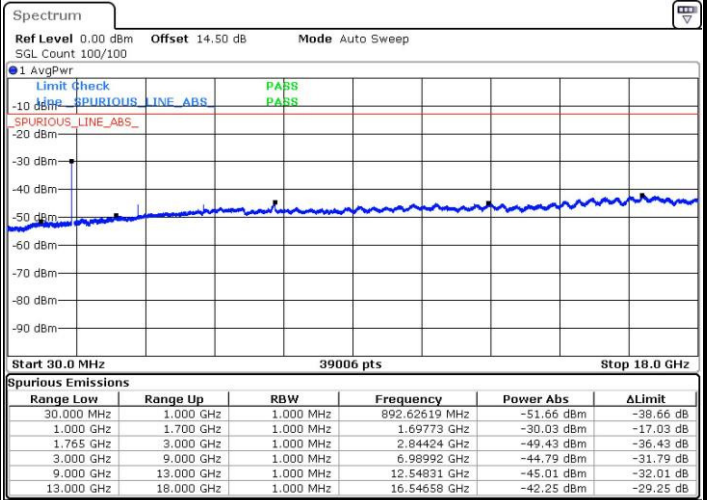
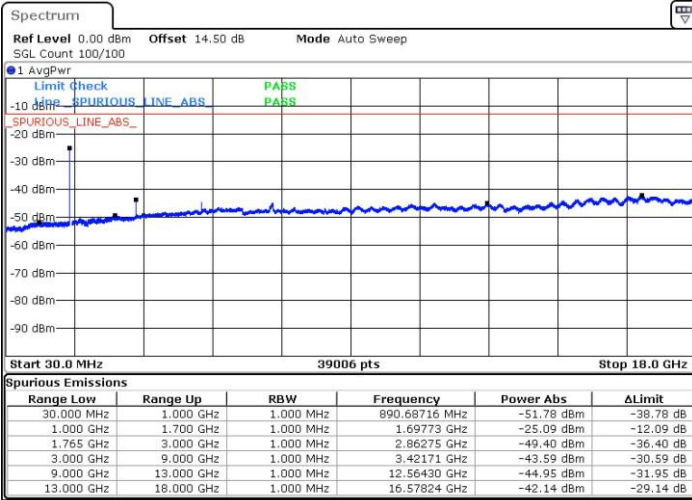
Date: 22.NOV.2016 17:13:41



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

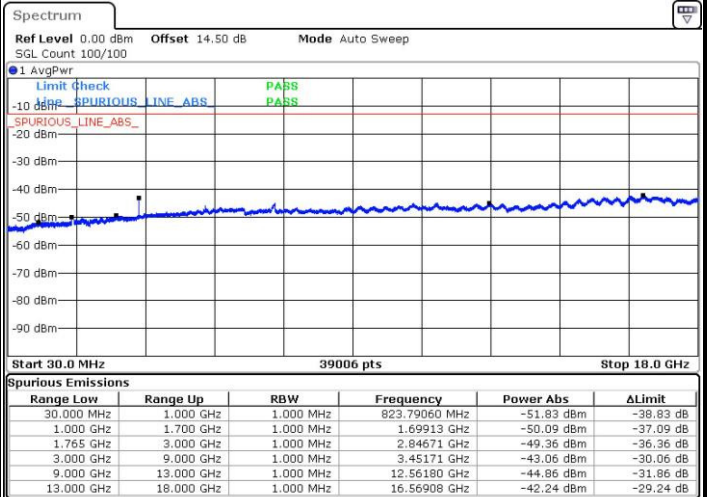
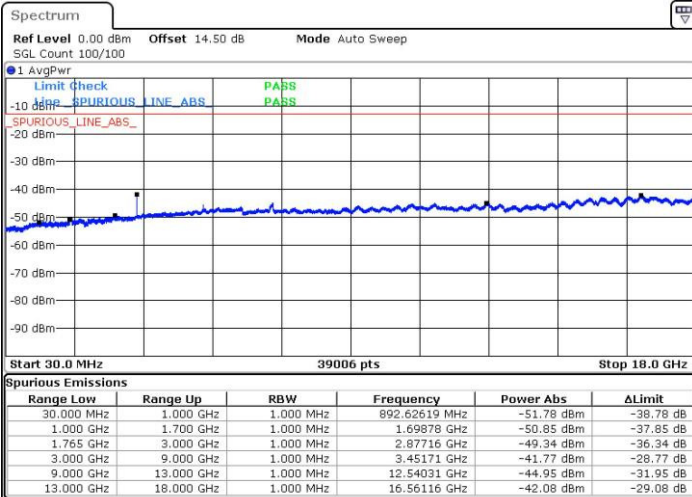


Date: 22.NOV.2016 17:19:58

Date: 22.NOV.2016 17:20:55

Middle Channel / QPSK

Middle Channel / 16QAM



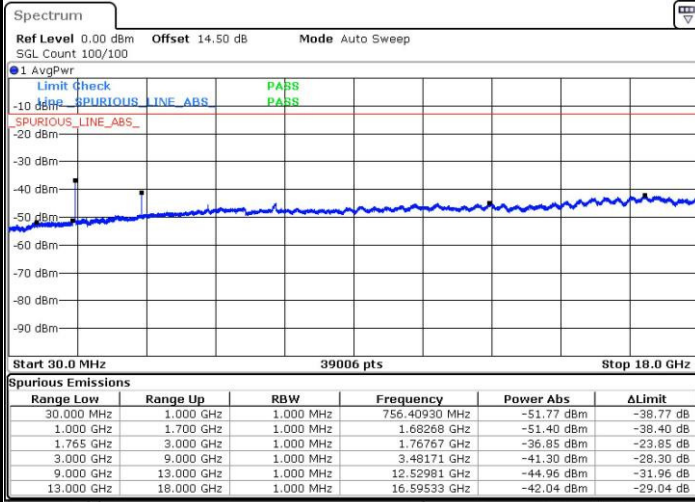
Date: 22.NOV.2016 17:22:34

Date: 22.NOV.2016 17:23:31



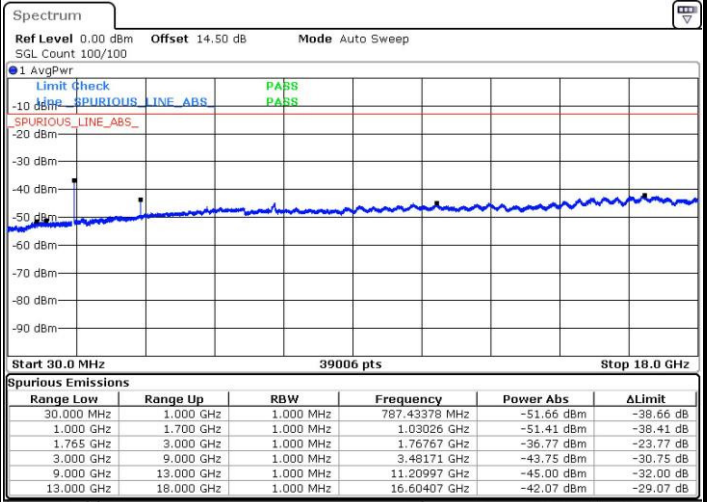
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 22.NOV.2016 17:29:48

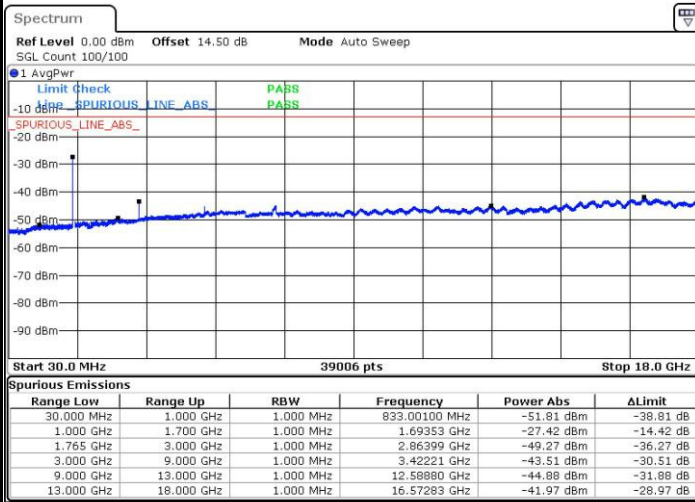
Highest Channel / 16QAM



Date: 22.NOV.2016 17:30:44

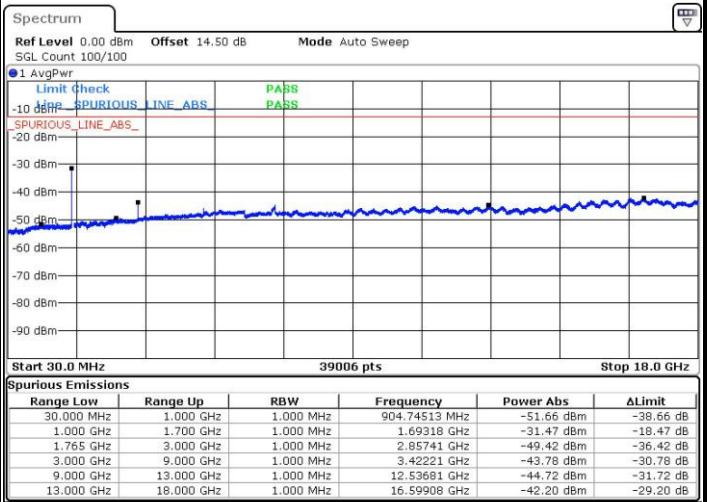
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 22.NOV.2016 17:37:02

Lowest Channel / 16QAM



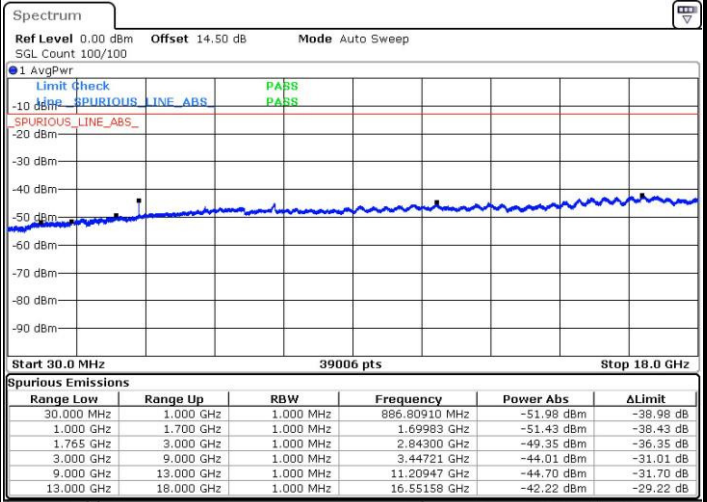
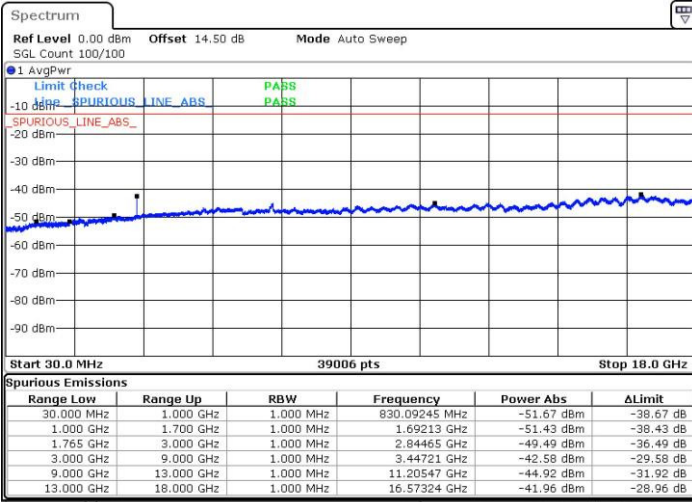
Date: 22.NOV.2016 17:37:58



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

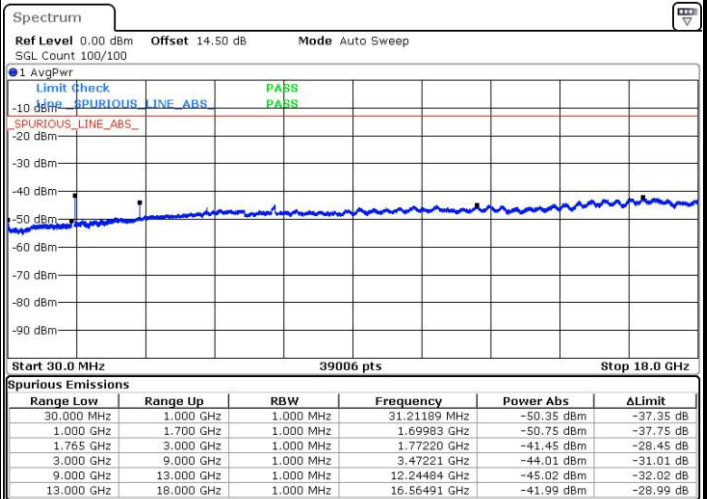
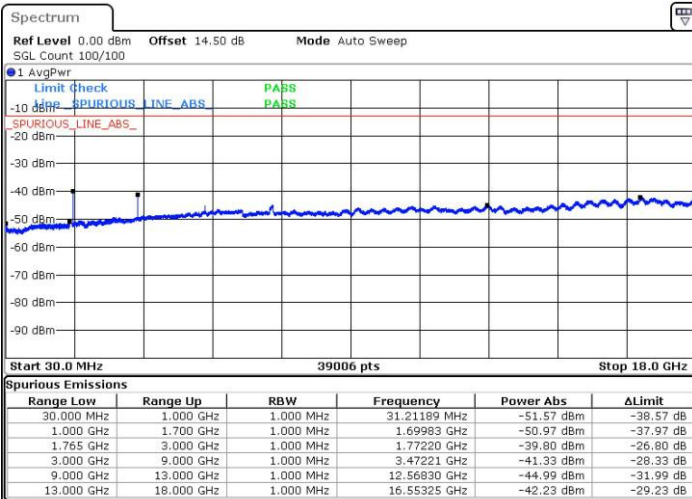


Date: 22.NOV.2016 17:39:37

Date: 22.NOV.2016 17:40:34

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22.NOV.2016 17:46:51

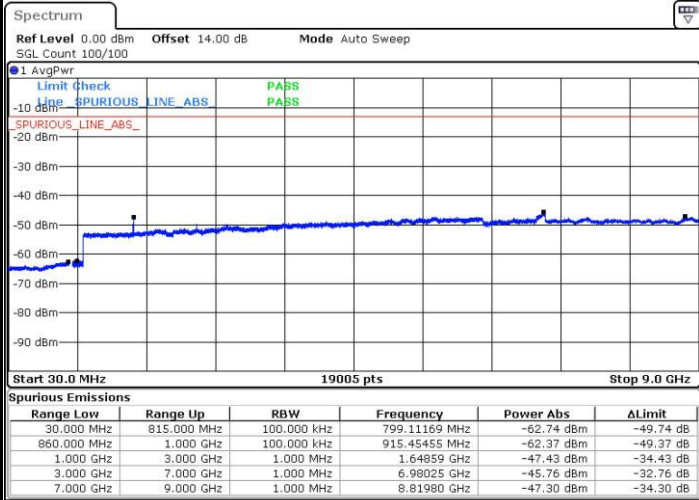
Date: 22.NOV.2016 17:47:47



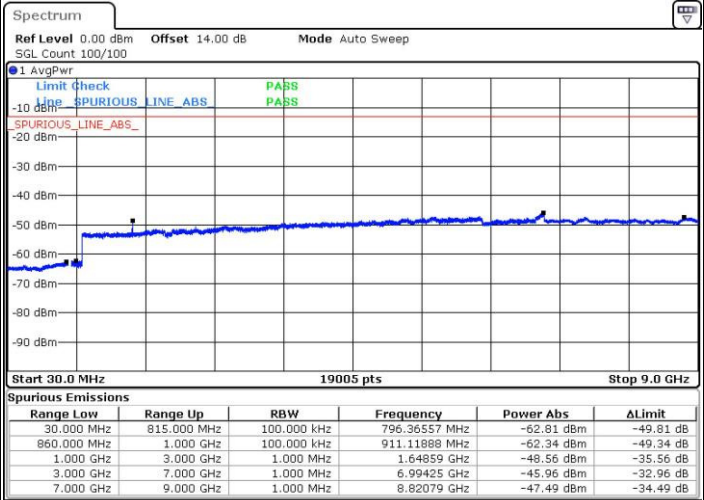
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



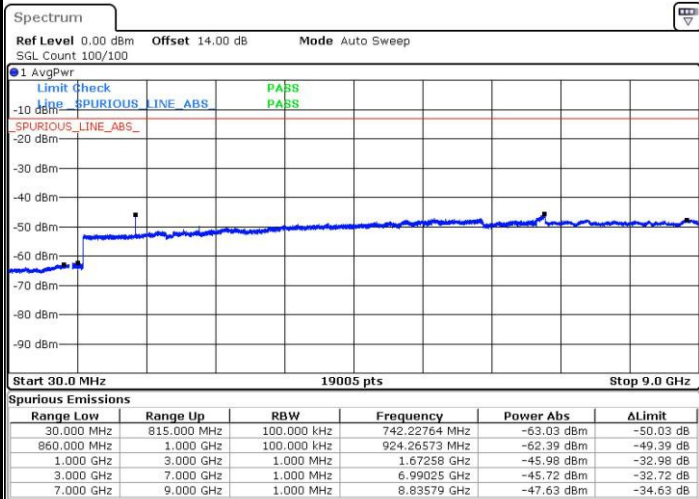
Date: 30.NOV.2016 09:37:56



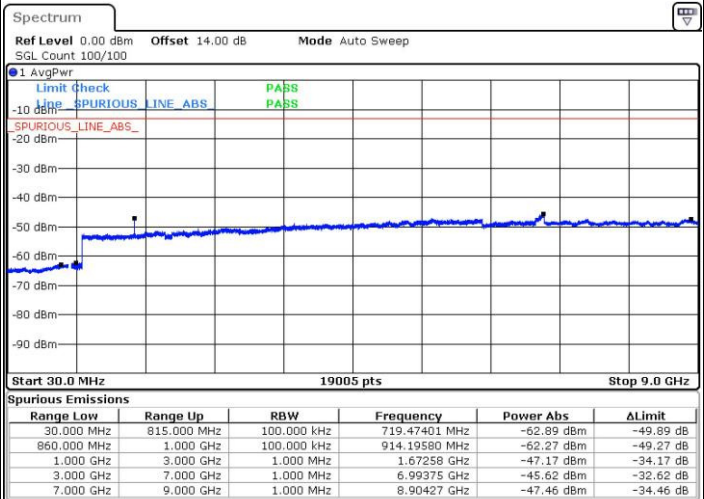
Date: 30.NOV.2016 09:38:52

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 30.NOV.2016 09:40:32



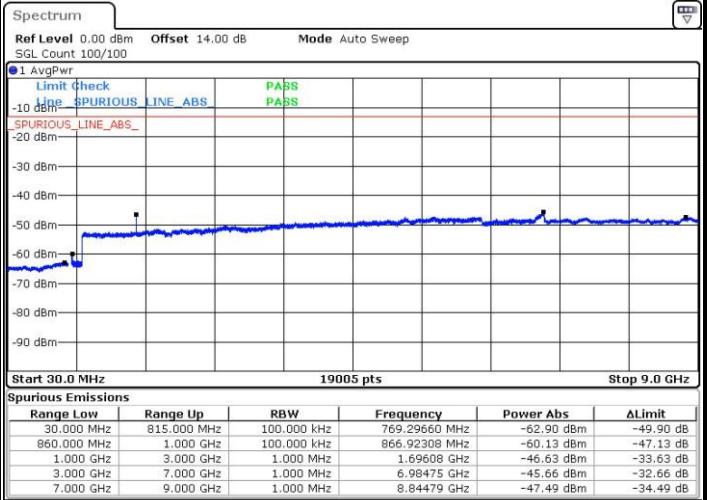
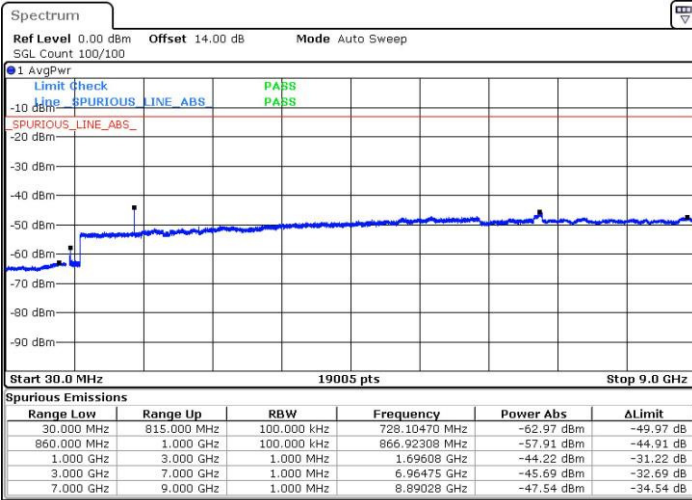
Date: 30.NOV.2016 09:41:28



LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



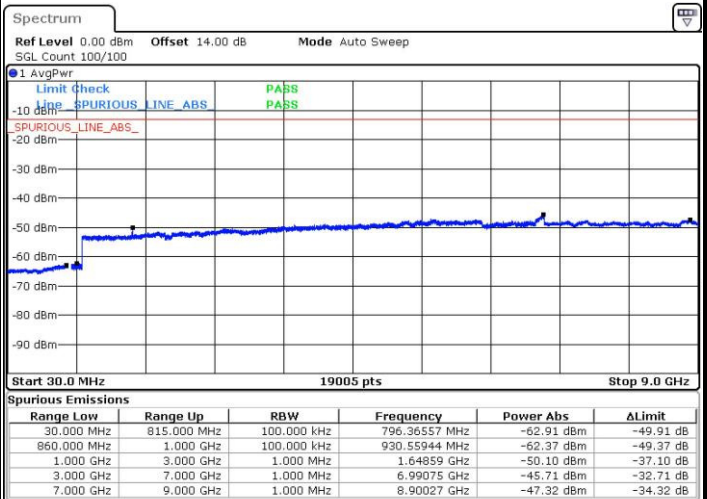
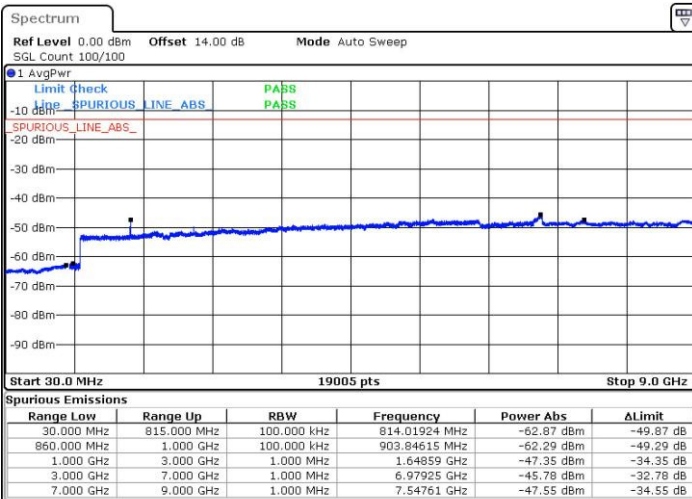
Date: 30.NOV.2016 09:49:49

Date: 30.NOV.2016 09:50:46

LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 30.NOV.2016 09:59:07

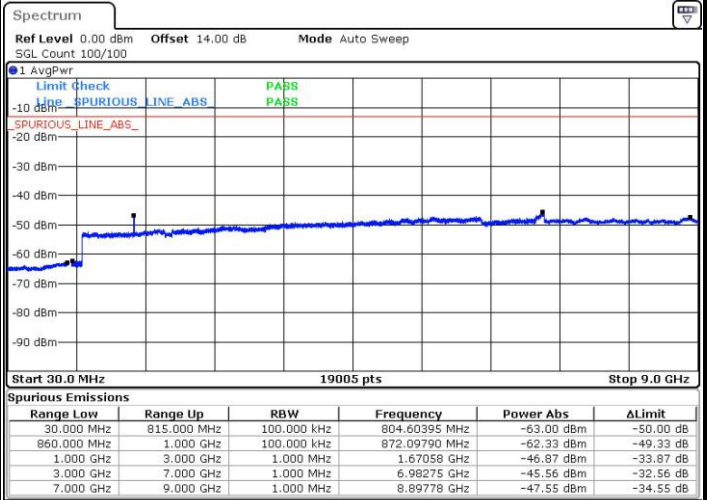
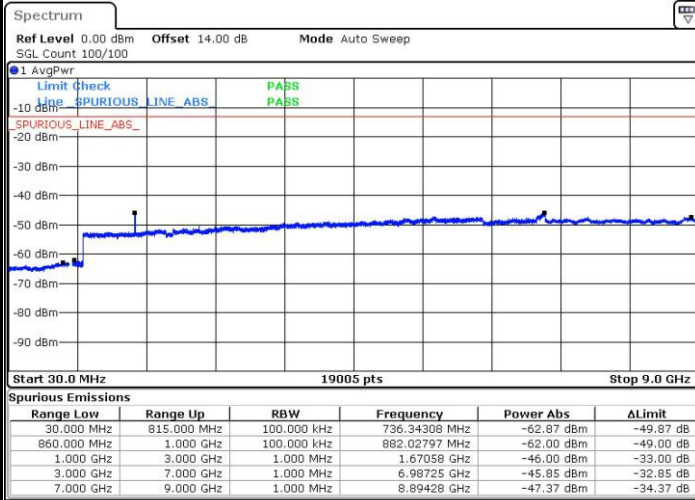
Date: 30.NOV.2016 10:00:04



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

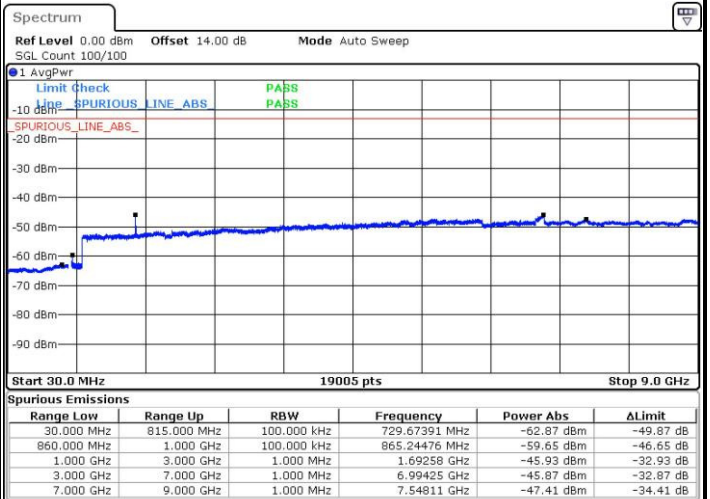
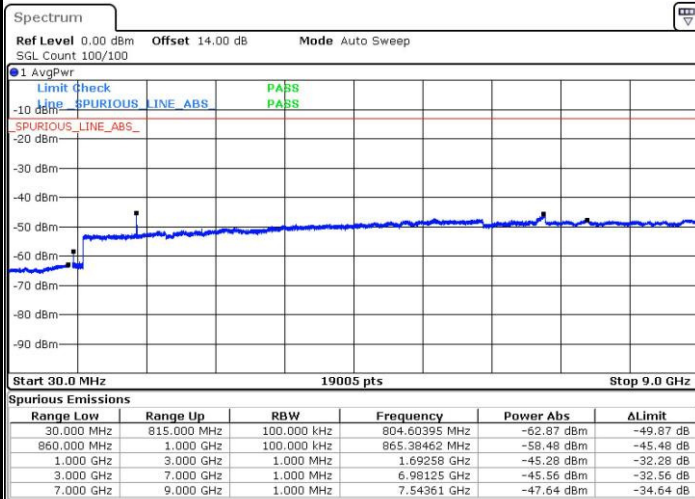


Date: 30.NOV.2016 10:01:44

Date: 30.NOV.2016 10:02:41

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30.NOV.2016 10:11:02

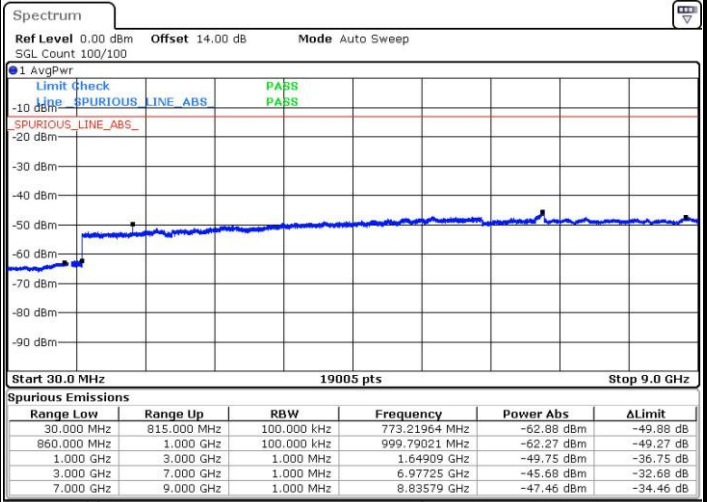
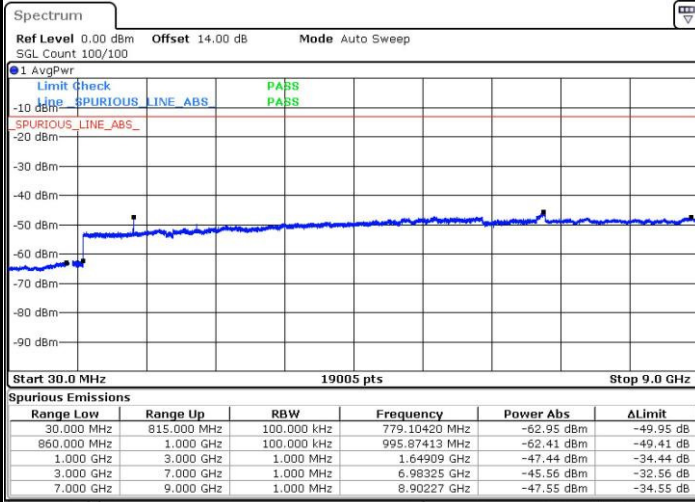
Date: 30.NOV.2016 13:42:35



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

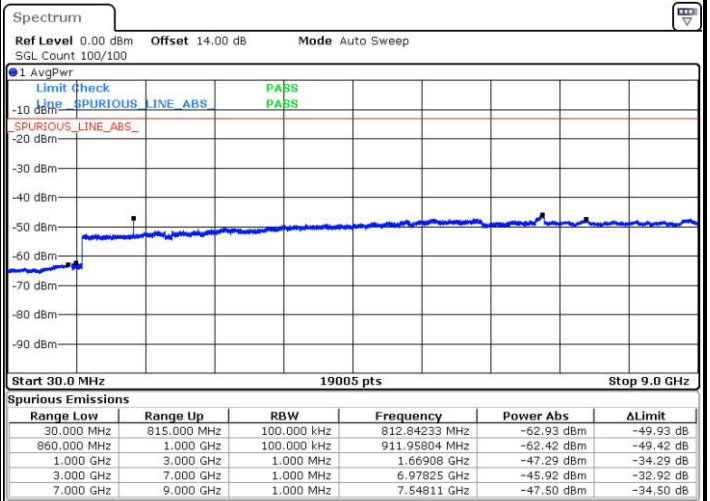
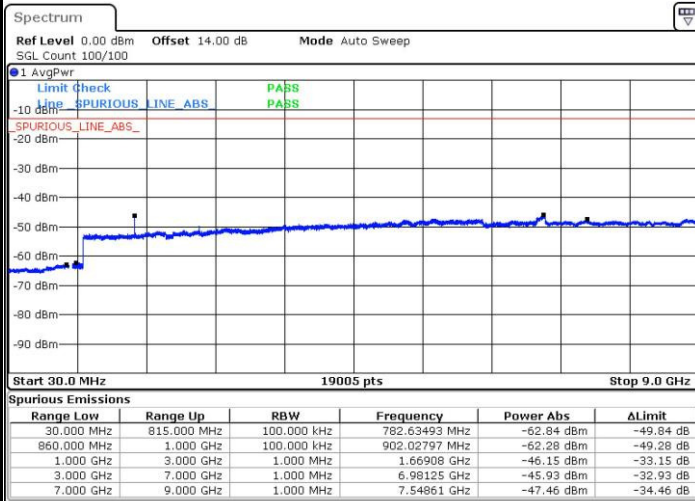


Date: 30.NOV.2016 11:15:33

Date: 30.NOV.2016 11:16:30

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 30.NOV.2016 11:18:10

Date: 30.NOV.2016 11:19:07

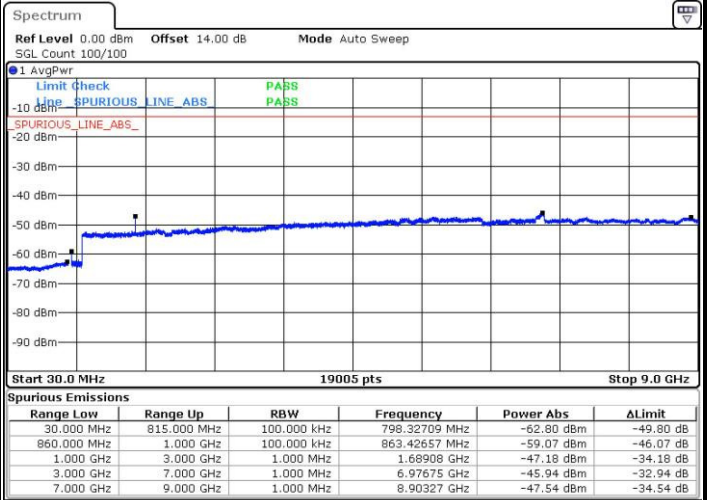
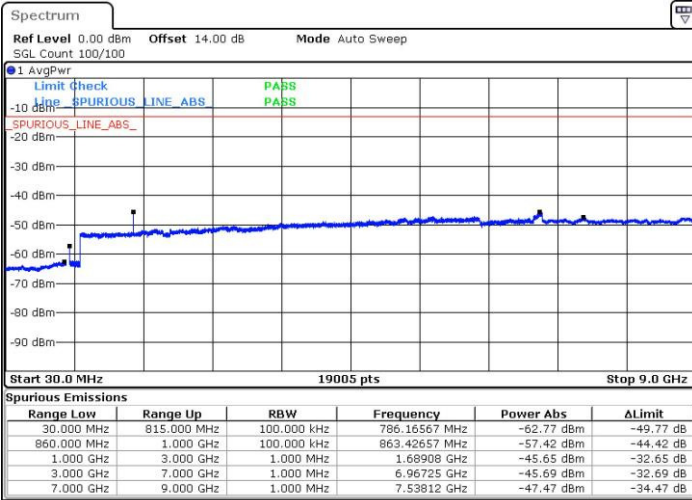




LTE Band 5 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



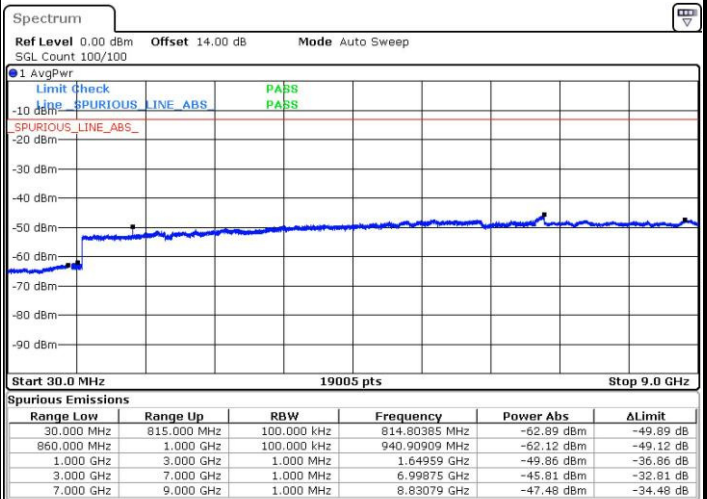
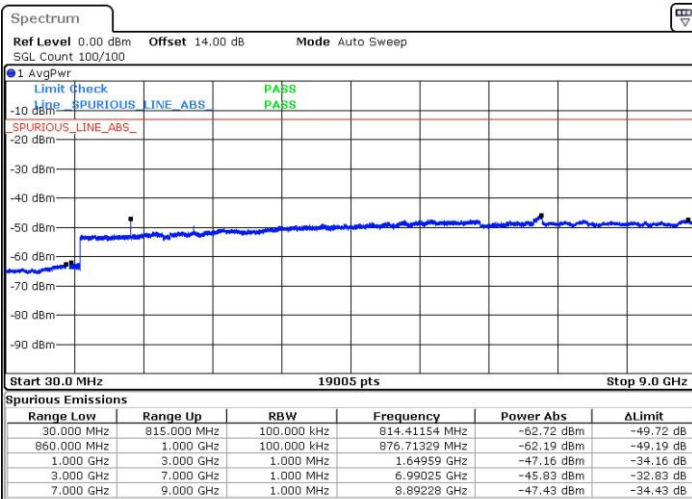
Date: 30.NOV.2016 11:27:28

Date: 30.NOV.2016 13:40:29

LTE Band 5 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 30.NOV.2016 13:54:43

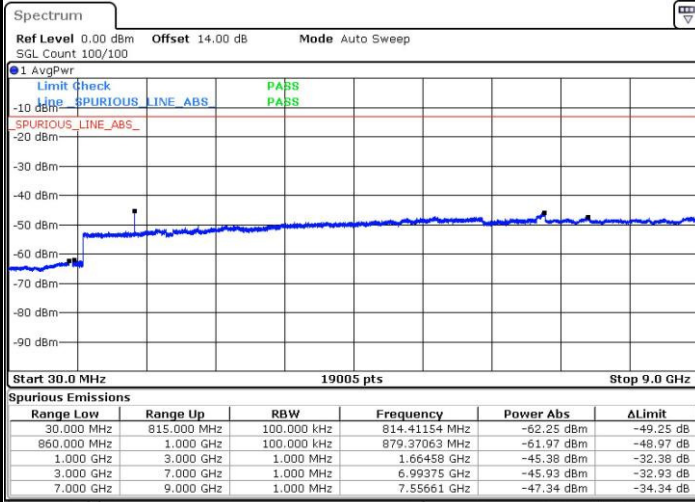
Date: 30.NOV.2016 13:55:40



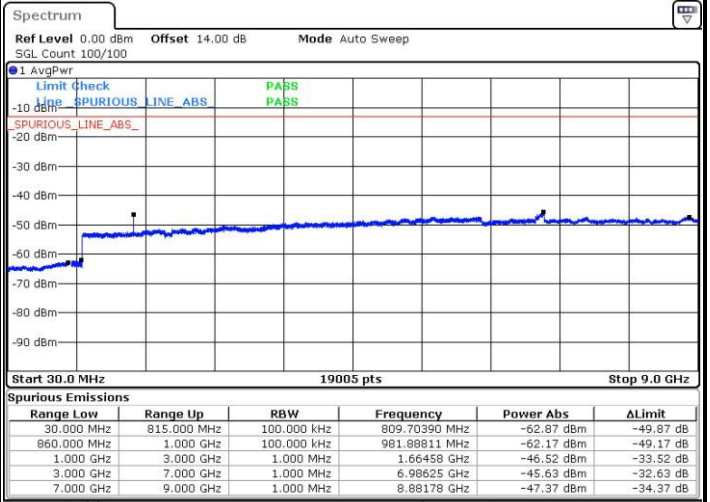
LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



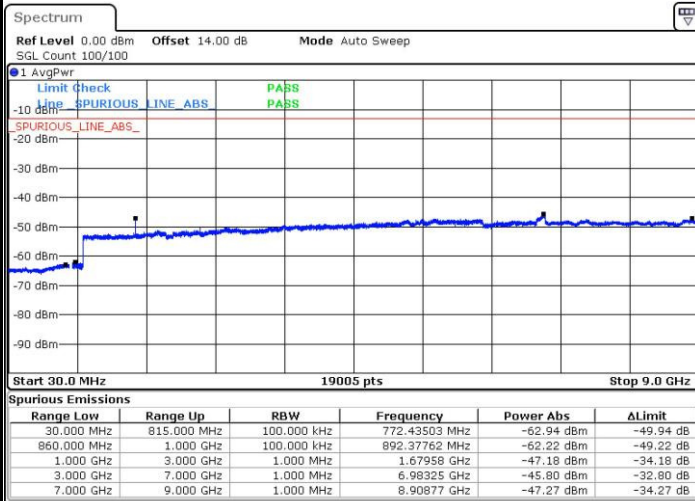
Date: 30.NOV.2016 13:57:20



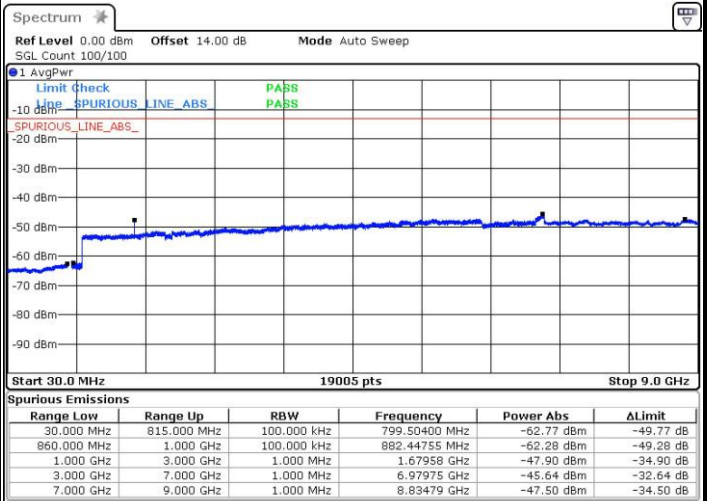
Date: 30.NOV.2016 13:58:17

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30.NOV.2016 14:06:38

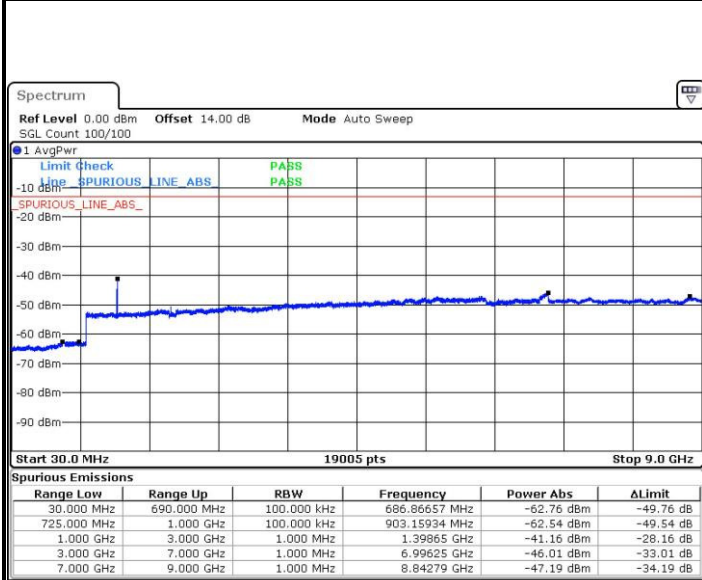


Date: 30.NOV.2016 14:07:35



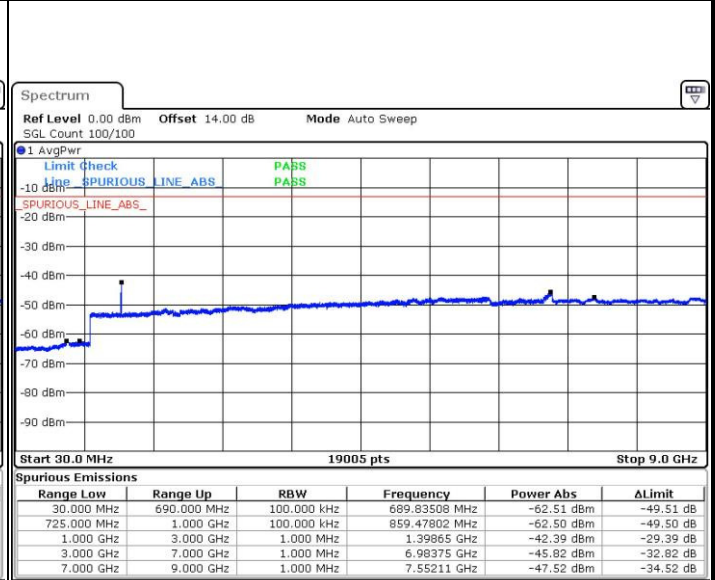
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



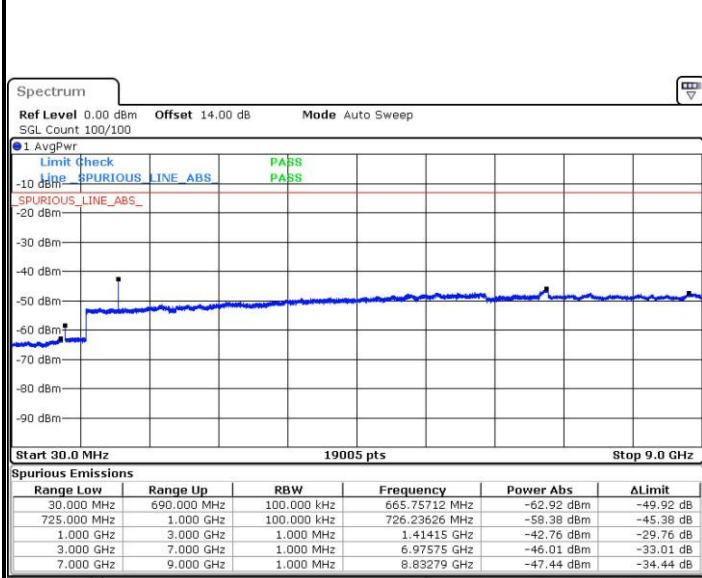
Date: 30.NOV.2016 14:56:47

Lowest Channel / 16QAM



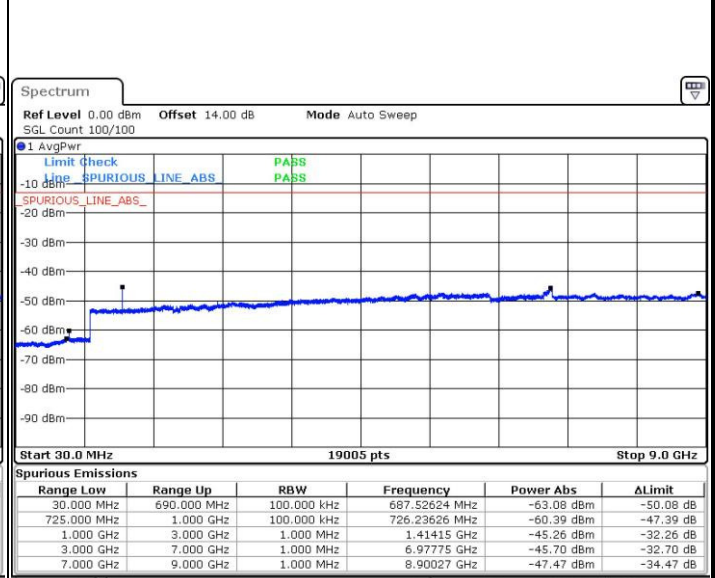
Date: 30.NOV.2016 14:57:44

Middle Channel / QPSK



Date: 30.NOV.2016 14:59:23

Middle Channel / 16QAM



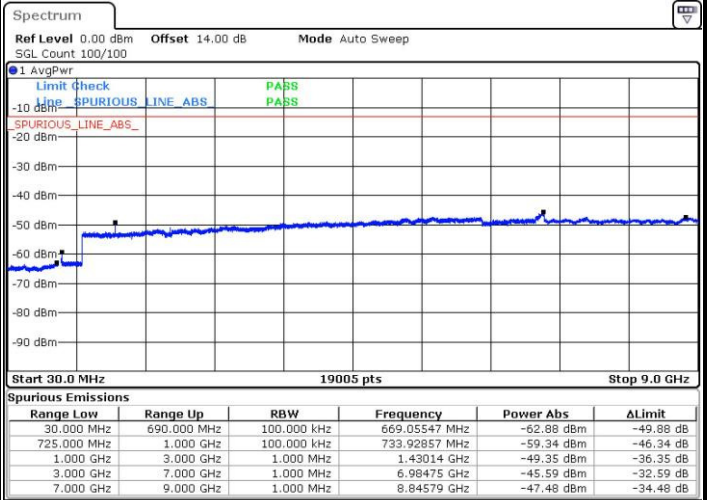
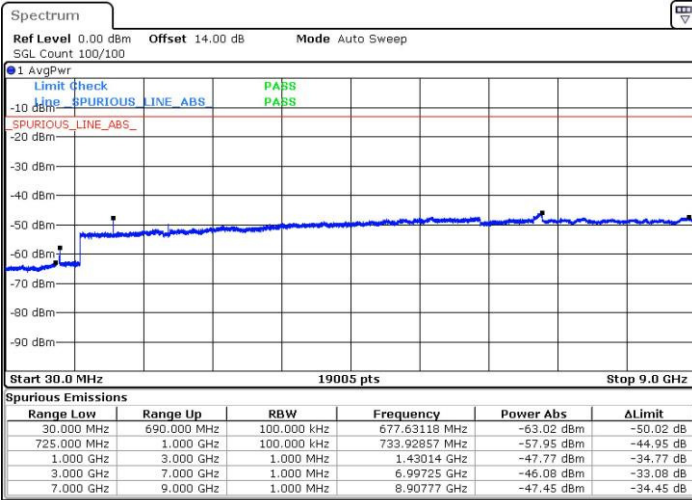
Date: 30.NOV.2016 15:00:20



LTE Band 12 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



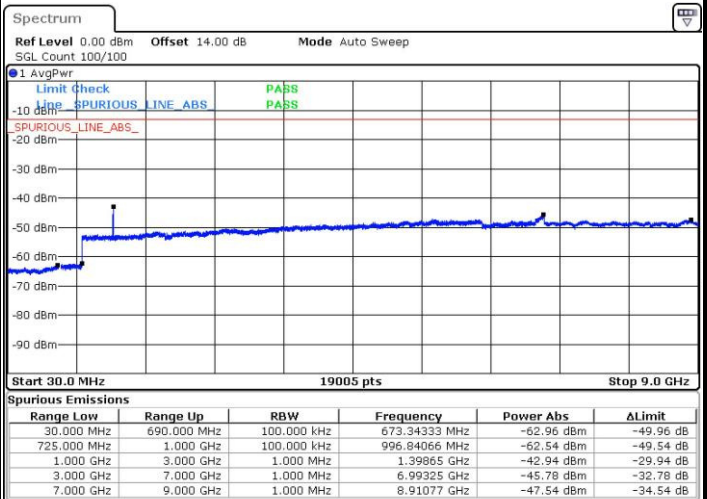
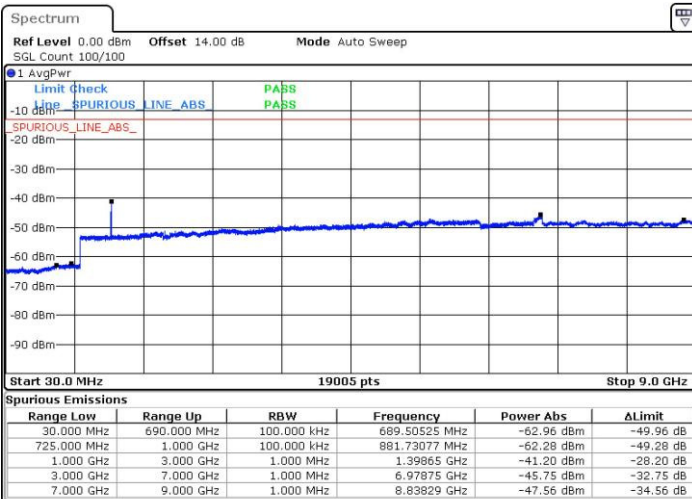
Date: 30.NOV.2016 15:06:42

Date: 30.NOV.2016 15:07:39

LTE Band 12 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



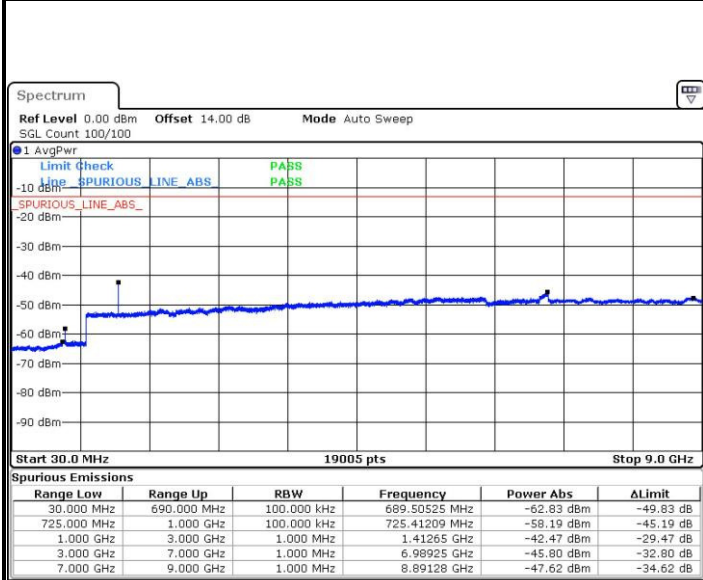
Date: 30.NOV.2016 15:14:00

Date: 30.NOV.2016 15:14:57



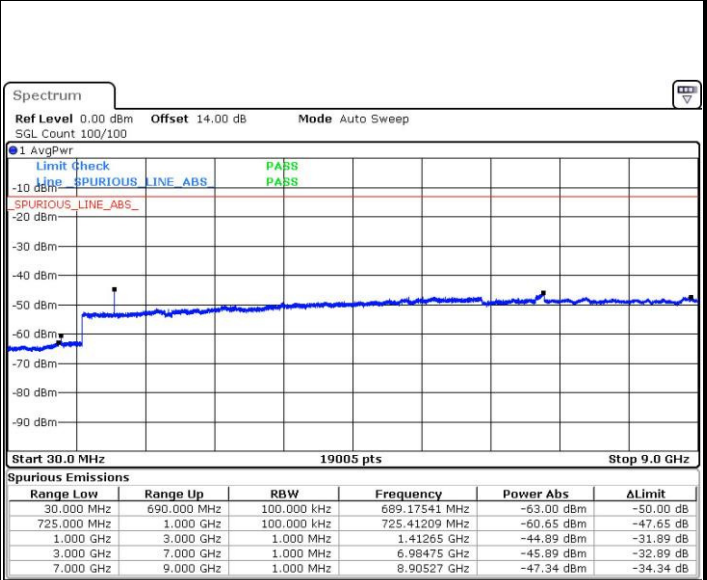
LTE Band 12 / 3MHz

Middle Channel / QPSK



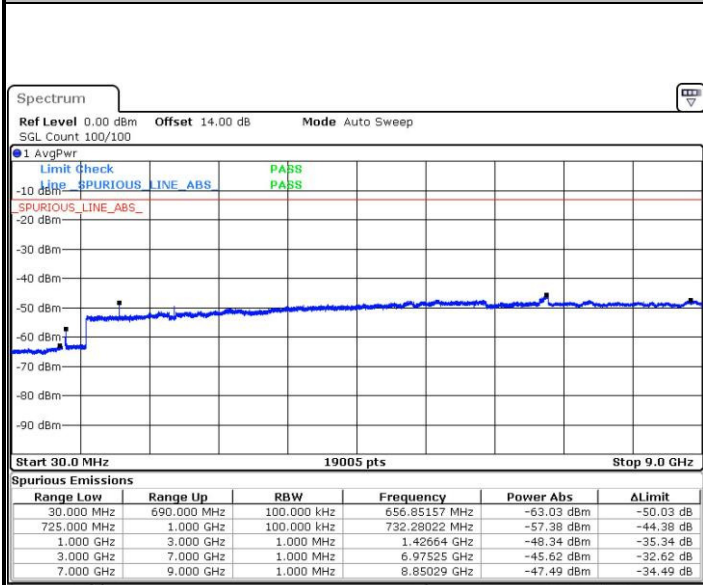
Date: 30.NOV.2016 15:16:36

Middle Channel / 16QAM



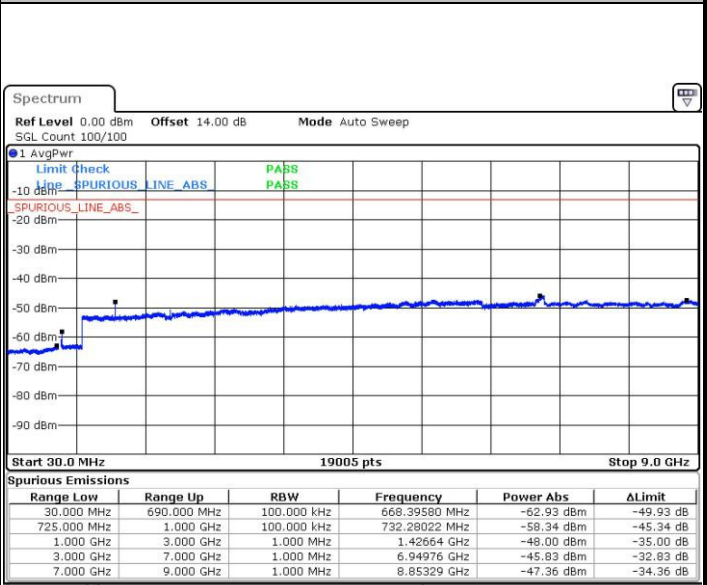
Date: 30.NOV.2016 15:17:33

Highest Channel / QPSK



Date: 30.NOV.2016 15:23:53

Highest Channel / 16QAM



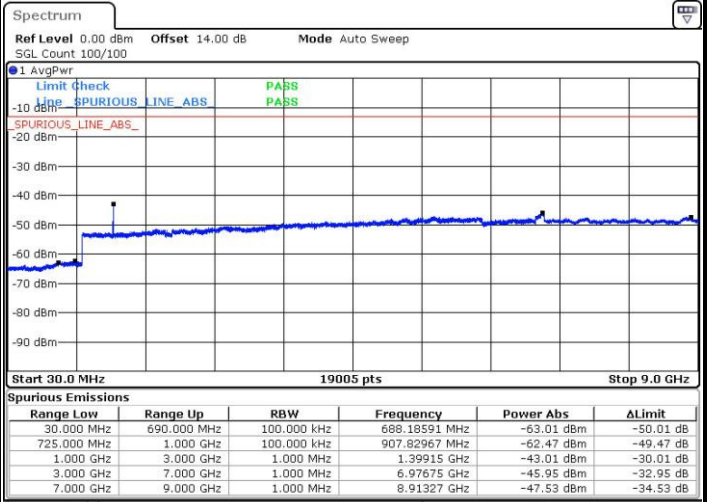
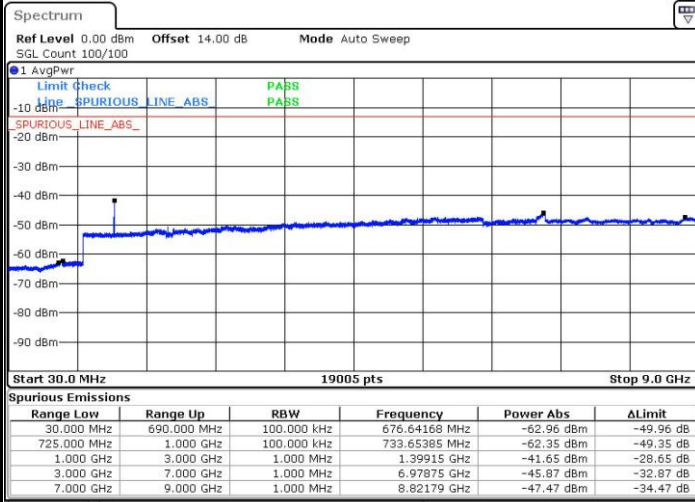
Date: 30.NOV.2016 15:24:50



LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

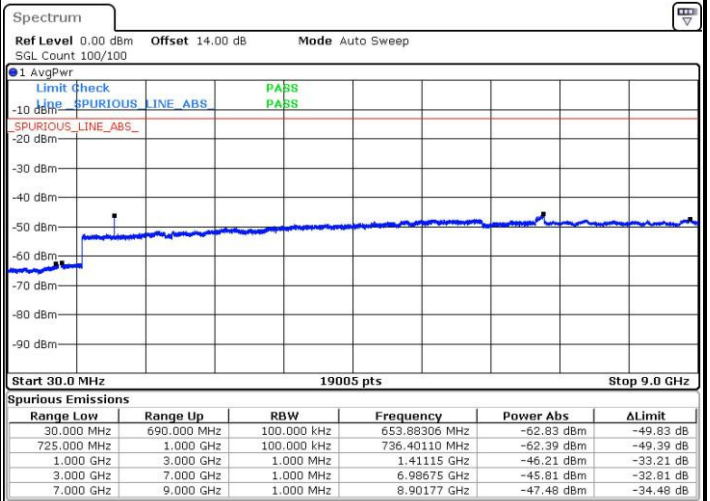
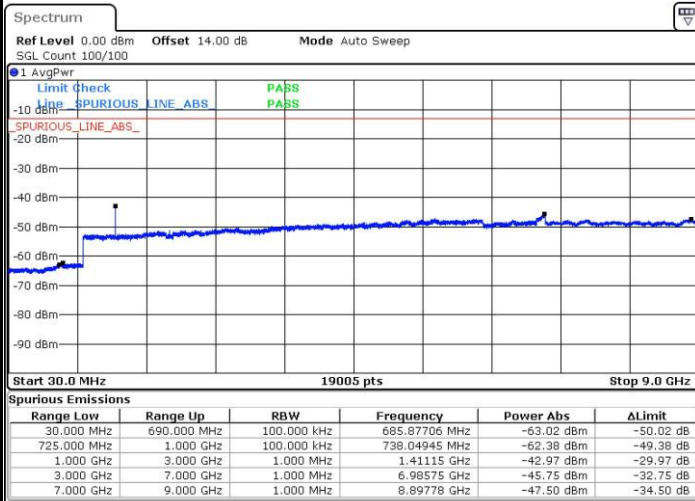


Date: 30.NOV.2016 15:31:11

Date: 30.NOV.2016 15:32:08

Middle Channel / QPSK

Middle Channel / 16QAM



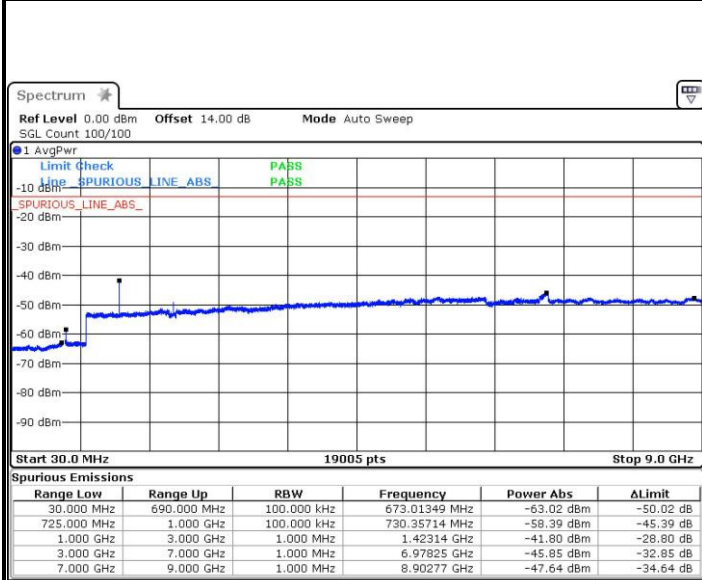
Date: 30.NOV.2016 15:33:48

Date: 30.NOV.2016 15:34:45



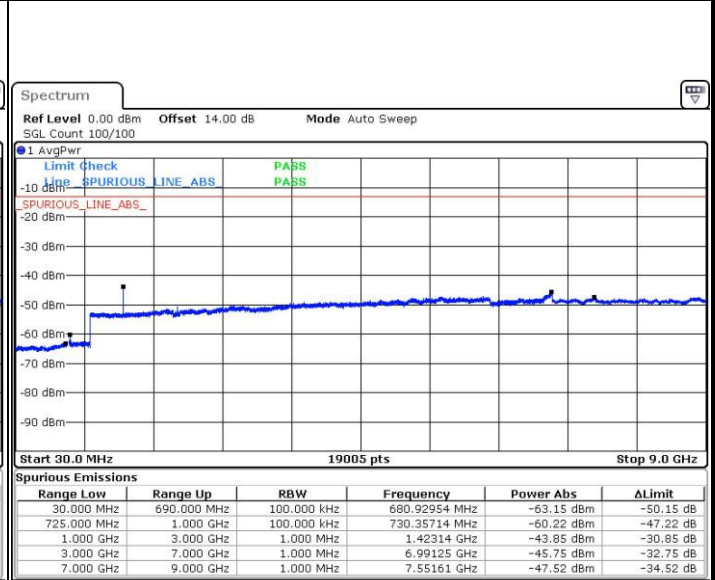
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 30.NOV.2016 15:41:05

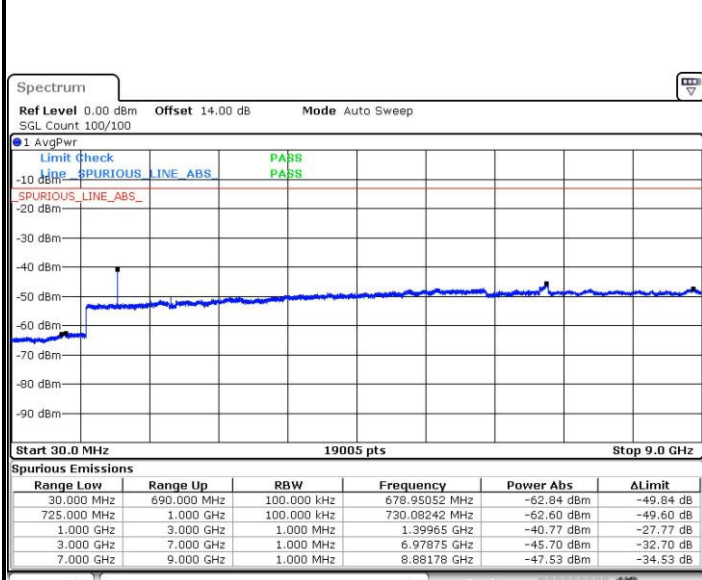
Highest Channel / 16QAM



Date: 30.NOV.2016 15:42:02

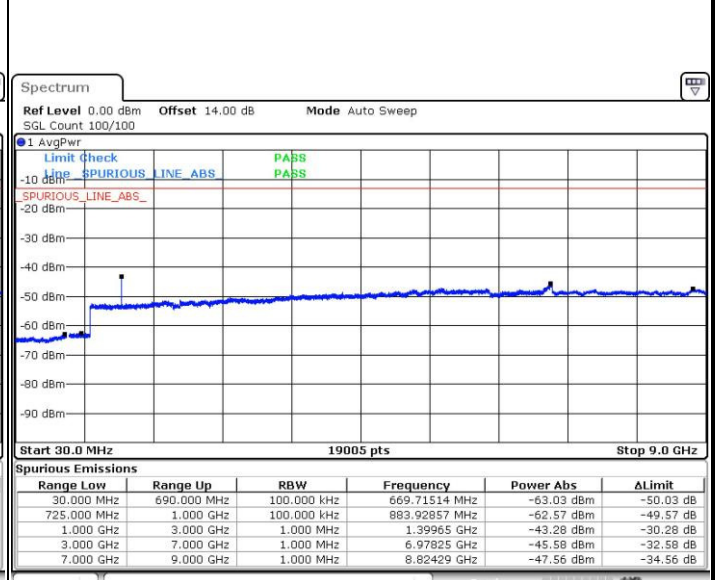
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 30.NOV.2016 16:36:57

Lowest Channel / 16QAM



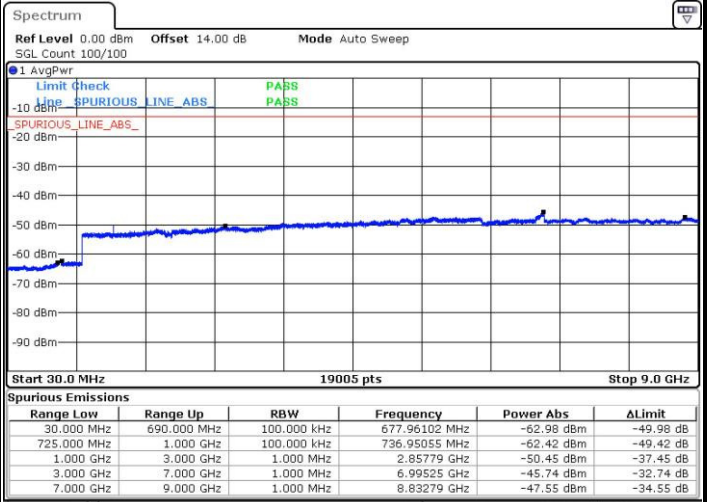
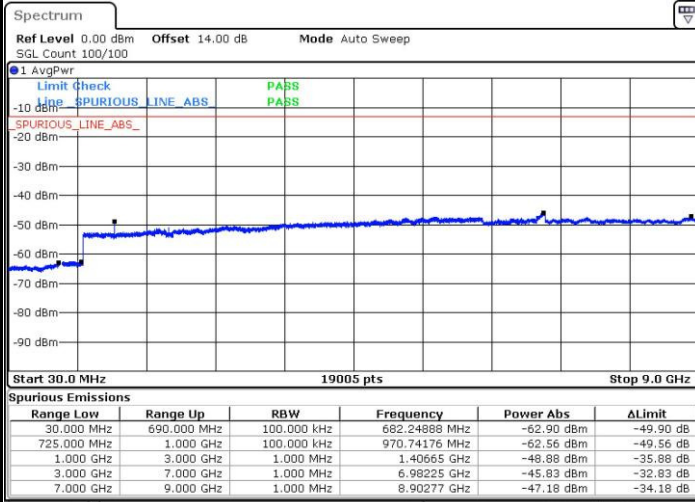
Date: 30.NOV.2016 16:37:54



LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

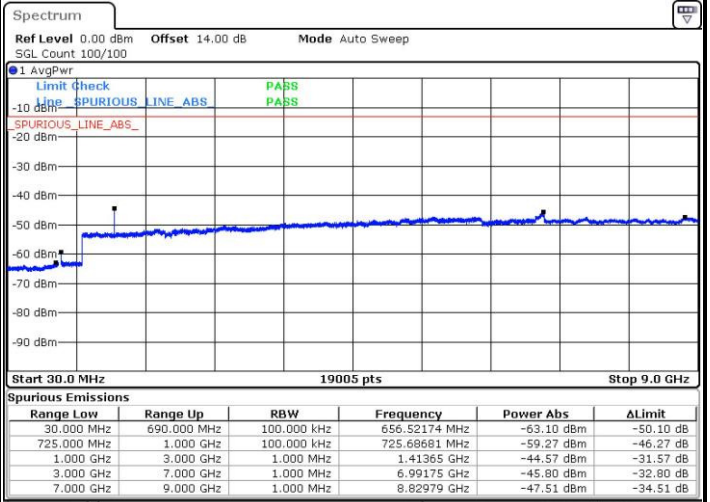
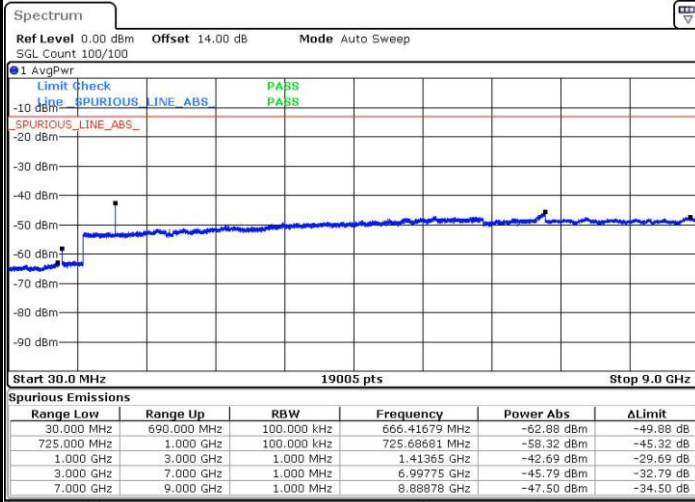


Date: 30.NOV.2016 16:39:34

Date: 30.NOV.2016 16:40:31

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 30.NOV.2016 16:46:57

Date: 30.NOV.2016 16:47:54





**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	0.0165	PASS
40	Normal Voltage	0.0154	
30	Normal Voltage	0.0096	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0080	
0	Normal Voltage	0.0096	
-10	Normal Voltage	0.0122	
-20	Normal Voltage	0.0149	
-30	Normal Voltage	0.0202	
20	Maximum Voltage	0.0074	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0053	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0139	PASS
40	Normal Voltage	0.0069	
30	Normal Voltage	0.0040	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0040	
0	Normal Voltage	0.0063	
-10	Normal Voltage	0.0104	
-20	Normal Voltage	0.0115	
-30	Normal Voltage	0.0156	
20	Maximum Voltage	0.0150	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0052	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0167	PASS
40	Normal Voltage	0.0084	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0072	
0	Normal Voltage	0.0143	
-10	Normal Voltage	0.0120	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0132	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0311	

Note: Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.



Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0170	PASS
40	Normal Voltage	0.0141	
30	Normal Voltage	0.0085	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0141	
-10	Normal Voltage	0.0085	
-20	Normal Voltage	0.0212	
-30	Normal Voltage	0.0311	
20	Maximum Voltage	0.0254	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0071	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



### 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	3	23.58	0.2280	24.03	0.2529
Middle		3	1	22.46	0.1762	23.01	0.2000
Highest		3	1	20.97	0.1250	21.25	0.1334
Lowest	16QAM	1	5	23.48	0.2228	23.73	0.2360
Middle		1	3	22.15	0.1641	22.46	0.1762
Highest		1	3	20.58	0.1143	20.82	0.1208
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	23.41	0.2193	23.65	0.2317
Middle		1	14	21.97	0.1574	22.40	0.1738
Highest		1	14	20.44	0.1107	20.83	0.1211
Lowest	16QAM	1	0	22.88	0.1941	23.51	0.2244
Middle		1	0	21.96	0.1570	22.38	0.1730
Highest		1	14	20.25	0.1059	20.94	0.1242
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	23.43	0.2203	23.94	0.2477
Middle		1	12	22.24	0.1675	22.68	0.1854
Highest		1	12	20.84	0.1213	21.18	0.1312
Lowest	16QAM	1	12	23.37	0.2173	23.70	0.2344
Middle		1	12	22.03	0.1596	22.46	0.1762
Highest		1	12	20.54	0.1132	20.95	0.1245
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	22.97	0.1982	23.30	0.2138
Middle		1	25	21.75	0.1496	22.04	0.1600
Highest		1	25	20.46	0.1112	20.76	0.1191
Lowest	16QAM	1	49	23.20	0.2089	23.58	0.2280
Middle		1	25	22.06	0.1607	22.50	0.1778
Highest		1	25	20.85	0.1216	21.28	0.1343
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	23.29	0.2133	23.76	0.2377
Middle		1	37	22.47	0.1766	22.73	0.1875
Highest		1	37	21.07	0.1279	21.49	0.1409
Lowest	16QAM	1	37	23.17	0.2075	23.56	0.2270
Middle		1	37	22.09	0.1618	22.49	0.1774
Highest		1	37	20.89	0.1227	21.55	0.1429
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	22.87	0.1936	23.18	0.2080
Middle		1	49	22.04	0.1600	22.48	0.1770
Highest		1	49	20.85	0.1216	21.29	0.1346
Lowest	16QAM	1	49	23.40	0.2188	23.71	0.2350
Middle		1	99	22.49	0.1774	22.99	0.1991
Highest		1	49	21.22	0.1324	21.71	0.1483
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	24.86	0.3062	25.18	0.3296
Middle		3	1	24.83	0.3041	24.90	0.3090
Highest		3	1	24.75	0.2985	24.67	0.2931
Lowest	16QAM	1	3	24.08	0.2559	24.51	0.2825
Middle		1	3	24.55	0.2851	24.51	0.2825
Highest		1	3	24.34	0.2716	24.37	0.2735
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	24.72	0.2965	24.84	0.3048
Middle		1	14	24.74	0.2979	24.68	0.2938
Highest		1	14	24.24	0.2655	24.25	0.2661
Lowest	16QAM	1	14	23.94	0.2477	24.17	0.2612
Middle		1	8	24.54	0.2844	24.61	0.2891
Highest		1	8	24.10	0.2570	24.16	0.2606
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	24.73	0.2972	25.14	0.3266
Middle		1	12	25.04	0.3192	25.10	0.3236
Highest		1	24	24.57	0.2864	24.48	0.2805
Lowest	16QAM	1	12	24.57	0.2864	24.80	0.3020
Middle		1	12	24.52	0.2831	24.59	0.2877
Highest		1	12	24.19	0.2624	24.16	0.2606
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	49	24.70	0.2951	25.03	0.3184
Middle		1	0	24.47	0.2799	24.58	0.2871
Highest		1	25	24.54	0.2844	24.37	0.2735
Lowest	16QAM	1	49	24.62	0.2897	24.73	0.2972
Middle		1	0	24.06	0.2547	24.53	0.2838
Highest		1	49	24.19	0.2624	24.10	0.2570
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	74	25.13	0.3258	25.46	0.3516
Middle		1	37	24.70	0.2951	24.79	0.3013
Highest		1	74	24.49	0.2812	24.45	0.2786
Lowest	16QAM	1	37	24.56	0.2858	24.76	0.2992
Middle		1	37	24.40	0.2754	24.40	0.2754
Highest		1	37	24.31	0.2698	24.18	0.2618
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	49	24.58	0.2871	24.80	0.3020
Middle		1	49	24.66	0.2924	24.71	0.2958
Highest		1	49	24.42	0.2767	24.56	0.2858
Lowest	16QAM	1	99	23.04	0.2014	23.01	0.2000
Middle		1	49	23.95	0.2483	23.76	0.2377
Highest		1	99	24.30	0.2692	24.41	0.2761
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	3	0	18.66	0.0735	10.57	0.0114
Middle		3	1	19.66	0.0925	11.26	0.0134
Highest		3	3	20.09	0.1021	11.70	0.0148
Lowest	16QAM	1	3	17.81	0.0604	10.05	0.0101
Middle		3	0	18.79	0.0757	11.03	0.0127
Highest		3	1	19.23	0.0838	10.78	0.0120
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	18.48	0.0705	10.52	0.0113
Middle		1	8	19.37	0.0865	11.22	0.0132
Highest		1	14	19.93	0.0984	11.41	0.0138
Lowest	16QAM	1	0	17.98	0.0628	10.28	0.0107
Middle		1	14	18.72	0.0745	11.12	0.0129
Highest		1	8	19.08	0.0809	11.19	0.0132
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	18.77	0.0753	10.65	0.0116
Middle		1	12	19.48	0.0887	11.45	0.0140
Highest		1	12	20.00	0.1000	11.41	0.0138
Lowest	16QAM	1	12	18.07	0.0641	10.39	0.0109
Middle		1	12	18.53	0.0713	11.01	0.0126
Highest		1	12	19.27	0.0845	11.32	0.0136
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	18.56	0.0718	10.55	0.0114
Middle		1	25	19.22	0.0836	11.19	0.0132
Highest		1	25	19.66	0.0925	11.18	0.0131
Lowest	16QAM	1	0	18.05	0.0638	10.21	0.0105
Middle		1	25	18.47	0.0703	10.72	0.0118
Highest		1	25	18.65	0.0733	10.91	0.0123
Limit	ERP < 7W			Result		PASS	

LTE Band 12 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	18.64	0.0731	9.07	0.0081
Middle		1	3	18.71	0.0743	8.40	0.0069
Highest		3	1	18.55	0.0716	7.39	0.0055
Lowest	16QAM	3	3	19.05	0.0804	8.66	0.0073
Middle		1	0	19.31	0.0853	8.24	0.0067
Highest		1	5	18.72	0.0745	7.94	0.0062
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	14	18.31	0.0678	10.00	0.0100
Middle		1	8	18.25	0.0668	9.54	0.0090
Highest		1	14	18.25	0.0668	8.98	0.0079
Lowest	16QAM	1	14	18.53	0.0713	8.05	0.0064
Middle		1	14	18.62	0.0728	7.62	0.0058
Highest		1	0	18.55	0.0716	7.56	0.0057
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	0	18.36	0.0685	9.56	0.0090
Middle		1	12	18.36	0.0685	9.40	0.0087
Highest		1	12	18.15	0.0653	8.67	0.0074
Lowest	16QAM	1	12	18.51	0.0710	7.81	0.0060
Middle		1	12	18.69	0.0740	7.68	0.0059
Highest		1	12	18.32	0.0679	7.35	0.0054
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	25	18.37	0.0687	9.23	0.0084
Middle		1	25	18.56	0.0718	9.43	0.0088
Highest		1	25	18.26	0.0670	9.18	0.0083
Lowest	16QAM	1	25	18.47	0.0703	7.56	0.0057
Middle		1	49	18.64	0.0731	7.64	0.0058
Highest		1	49	18.52	0.0711	7.38	0.0055
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	3758.92	-40.31	-13	-27.31	-55.59	-46.35	6.56	12.60	H
	5638.38	-41.02	-13	-28.02	-60.37	-46.12	8	13.10	H
	7517.84	-45.63	-13	-32.63	-69.33	-47.36	9.57	11.30	H
	9397.3	-42.61	-13	-29.61	-70.09	-44.06	10.45	11.90	H
	3758.92	-42.24	-13	-29.24	-57.79	-48.28	6.56	12.6	V
	5638.38	-42.22	-13	-29.22	-62.14	-47.32	8	13.1	V
	7517.84	-44.26	-13	-31.26	-67.99	-45.99	9.57	11.3	V
	9397.3	-40.00	-13	-27.00	-66.9	-41.45	10.45	11.9	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	3757.48	-42.05	-13	-29.05	-57.33	-48.09	6.56	12.60	H
	5636.22	-40.18	-13	-27.18	-59.53	-45.28	8	13.10	H
	7514.96	-45.55	-13	-32.55	-69.28	-47.28	9.57	11.30	H
	9393.7	-41.67	-13	-28.67	-69.15	-43.12	10.45	11.90	H
	3757.48	-44.24	-13	-31.24	-59.79	-50.28	6.56	12.6	V
	5636.22	-39.69	-13	-26.69	-59.61	-44.79	8	13.1	V
	7514.96	-43.11	-13	-30.11	-66.87	-44.84	9.57	11.3	V
	9393.7	-39.76	-13	-26.76	-66.66	-41.21	10.45	11.9	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	3755.68	-42.03	-13	-29.03	-57.31	-48.07	6.56	12.60	H
	5633.52	-37.15	-13	-24.15	-56.50	-42.25	8	13.10	H
	7511.36	-44.77	-13	-31.77	-68.50	-46.50	9.57	11.30	H
	9389.2	-41.94	-13	-28.94	-69.40	-43.39	10.45	11.90	H
	3755.68	-44.02	-13	-31.02	-59.57	-50.06	6.56	12.6	V
	5633.52	-39.77	-13	-26.77	-59.69	-44.87	8	13.1	V
	7511.36	-43.12	-13	-30.12	-66.88	-44.85	9.57	11.3	V
	9389.2	-40.19	-13	-27.19	-67.05	-41.64	10.45	11.9	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	3751	-45.60	-13	-32.60	-60.88	-51.64	6.56	12.60	H
	5626.5	-51.39	-13	-38.39	-70.81	-56.49	8	13.10	H
	7502	-54.69	-13	-41.69	-78.53	-56.42	9.57	11.30	H
	9378	-50.53	-13	-37.53	-77.99	-51.98	10.45	11.90	H
	3751	-44.44	-13	-31.44	-59.99	-50.48	6.56	12.6	V
	5626.5	-51.04	-13	-38.04	-71.04	-56.14	8	13.1	V
	7502	-54.51	-13	-41.51	-78.36	-56.24	9.57	11.3	V
	9378	-43.66	-13	-30.66	-70.52	-45.11	10.45	11.9	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	3746.68	-40.66	-13	-27.66	-55.94	-46.70	6.56	12.60	H
	5620.02	-37.27	-13	-24.27	-56.69	-42.37	8	13.10	H
	7493.36	-45.36	-13	-32.36	-69.20	-47.09	9.57	11.30	H
	9366.7	-41.73	-13	-28.73	-69.14	-43.18	10.45	11.90	H
	3746.68	-42.97	-13	-29.97	-58.52	-49.01	6.56	12.6	V
	5620.02	-42.32	-13	-29.32	-62.32	-47.42	8	13.1	V
	7493.36	-44.27	-13	-31.27	-68.12	-46.00	9.57	11.3	V
	9366.7	-41.11	-13	-28.11	-67.91	-42.56	10.45	11.9	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	3742.18	-41.83	-13	-28.83	-57.09	-47.87	6.56	12.60	H
	5613.27	-41.51	-13	-28.51	-61.00	-46.61	8	13.10	H
	7484.36	-44.80	-13	-31.80	-68.75	-46.53	9.57	11.30	H
	9355.45	-42.19	-13	-29.19	-69.58	-43.64	10.45	11.90	H
	3742.18	-43.58	-13	-30.58	-59.13	-49.62	6.56	12.6	V
	5613.27	-40.00	-13	-27.00	-60.07	-45.10	8	13.1	V
	7484.36	-44.56	-13	-31.56	-68.5	-46.29	9.57	11.3	V
	9355.45	-40.93	-13	-27.93	-67.68	-42.38	10.45	11.9	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	3463.74	-46.08	-13	-33.08	-59.90	-52.50	6.18	12.60	H
	5195.61	-38.05	-13	-25.05	-57.38	-43.01	7.74	12.70	H
	6927.48	-41.48	-13	-28.48	-63.69	-44.18	9	11.70	H
	8659.35	-39.86	-13	-26.86	-65.22	-41.78	9.98	11.90	H
	3463.74	-45.29	-13	-32.29	-59.47	-51.71	6.18	12.60	V
	5195.61	-37.28	-13	-24.28	-57.28	-42.24	7.74	12.70	V
	6927.48	-43.94	-13	-30.94	-66.68	-46.64	9	11.70	V
	8659.35	-45.11	-13	-32.11	-69.86	-47.03	9.98	11.90	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	3462.48	-46.88	-13	-33.88	-60.70	-53.30	6.18	12.60	H
	5193.72	-38.05	-13	-25.05	-57.39	-43.01	7.74	12.70	H
	6924.96	-41.88	-13	-28.88	-64.09	-44.58	9	11.70	H
	8656.2	-39.73	-13	-26.73	-65.02	-41.65	9.98	11.90	H
	3462.48	-42.73	-13	-29.73	-56.91	-49.15	6.18	12.60	V
	5193.72	-36.31	-13	-23.31	-56.32	-41.27	7.74	12.70	V
	6924.96	-43.18	-13	-30.18	-65.92	-45.88	9	11.70	V
	8656.2	-44.12	-13	-31.12	-68.85	-46.04	9.98	11.90	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	3460.68	-45.59	-13	-32.59	-59.41	-52.01	6.18	12.60	H
	5191.02	-35.63	-13	-22.63	-54.97	-40.59	7.74	12.70	H
	6921.36	-39.76	-13	-26.76	-61.83	-42.46	9	11.70	H
	8651.7	-39.67	-13	-26.67	-64.96	-41.59	9.98	11.90	H
	3460.68	-41.65	-13	-28.65	-55.83	-48.07	6.18	12.60	V
	5191.02	-36.30	-13	-23.30	-56.31	-41.26	7.74	12.70	V
	6921.36	-43.08	-13	-30.08	-65.7	-45.78	9	11.70	V
	8651.7	-43.48	-13	-30.48	-68.21	-45.40	9.98	11.90	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	3456.18	-49.62	-13	-36.62	-63.28	-56.04	6.18	12.60	H
	5184.27	-37.94	-13	-24.94	-57.28	-42.90	7.74	12.70	H
	6912.36	-41.07	-13	-28.07	-63.14	-43.77	9	11.70	H
	8640.45	-39.86	-13	-26.86	-65.09	-41.78	9.98	11.90	H
	3456.18	-46.24	-13	-33.24	-60.25	-52.66	6.18	12.60	V
	5184.27	-36.33	-13	-23.33	-56.35	-41.29	7.74	12.70	V
	6912.36	-43.81	-13	-30.81	-66.43	-46.51	9	11.70	V
	8640.45	-44.77	-13	-31.77	-69.47	-46.69	9.98	11.90	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	3451.68	-46.82	-13	-33.82	-60.48	-53.24	6.18	12.60	H
	5177.52	-48.80	-13	-35.80	-68.14	-53.76	7.74	12.70	H
	6903.36	-55.04	-13	-42.04	-76.98	-57.74	9	11.70	H
	8628	-47.20	-13	-34.20	-72.43	-49.12	9.98	11.90	H
	3451.68	-44.86	-13	-31.86	-58.87	-51.28	6.18	12.60	V
	5177.52	-43.83	-13	-30.83	-63.85	-48.79	7.74	12.70	V
	6903.36	-51.04	-13	-38.04	-73.54	-53.74	9	11.70	V
	8628	-52.50	-13	-39.50	-77.2	-54.42	9.98	11.90	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	3447.18	-46.95	-13	-33.95	-60.61	-53.37	6.18	12.60	H
	5170.77	-38.05	-13	-25.05	-57.38	-43.01	7.74	12.70	H
	6894.36	-41.92	-13	-28.92	-63.87	-44.62	9	11.70	H
	8617.95	-41.12	-13	-28.12	-66.28	-43.04	9.98	11.90	H
	3447.18	-44.14	-13	-31.14	-58.15	-50.56	6.18	12.60	V
	5170.77	-38.68	-13	-25.68	-58.71	-43.64	7.74	12.70	V
	6894.36	-43.74	-13	-30.74	-66.25	-46.44	9	11.70	V
	8617.95	-44.35	-13	-31.35	-69.03	-46.27	9.98	11.90	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	1671.92	-56.87	-13	-43.87	-64.00	-63.56	0.56	9.40	H
	2507.88	-48.74	-13	-35.74	-60.13	-56.45	0.74	10.60	H
	3343.84	-54.57	-13	-41.57	-67.85	-64.17	0.85	12.60	H
	1671.92	-56.46	-13	-43.46	-63.59	-63.15	0.56	9.40	V
	2507.88	-49.36	-13	-36.36	-60.35	-57.07	0.74	10.60	V
	3343.84	-54.47	-13	-41.47	-67.98	-64.07	0.85	12.60	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	1670.48	-59.94	-13	-46.94	-67.19	-66.63	0.56	9.40	H
	2505.72	-59.85	-13	-46.85	-71.24	-67.56	0.74	10.60	H
	3340.96	-63.85	-13	-50.85	-77.13	-73.45	0.85	12.60	H
	1670.48	-60.86	-13	-47.86	-68.13	-67.55	0.56	9.40	V
	2505.72	-61.87	-13	-48.87	-72.86	-69.58	0.74	10.60	V
	3340.96	-63.71	-13	-50.71	-77.22	-73.31	0.85	12.60	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	1668.68	-56.10	-13	-43.10	-63.35	-62.79	0.56	9.40	H
	2504	-48.62	-13	-35.62	-60.05	-56.33	0.74	10.60	H
	3337.36	-55.01	-13	-42.01	-68.35	-64.61	0.85	12.60	H
	1668.68	-57.05	-13	-44.05	-64.32	-63.74	0.56	9.40	V
	2504	-49.00	-13	-36.00	-60.03	-56.71	0.74	10.60	V
	3337.36	-54.67	-13	-41.67	-68.22	-64.27	0.85	12.60	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	1664.08	-57.41	-13	-44.41	-64.66	-64.10	0.56	9.40	H
	2496.27	-50.63	-13	-37.63	-62.06	-58.34	0.74	10.60	H
	3328.36	-54.56	-13	-41.56	-67.90	-64.16	0.85	12.60	H
	1664.08	-57.52	-13	-44.52	-64.79	-64.21	0.56	9.40	V
	2496.27	-49.08	-13	-36.08	-60.11	-56.79	0.74	10.60	V
	3328.36	-54.09	-13	-41.09	-67.64	-63.69	0.85	12.60	V

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



LTE Band 12 / 1.4MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1413.74	-52.61	-13	-39.61	-60.36	-59.30	0.56	9.40	H
	2120.61	-54.28	-13	-41.28	-65.79	-61.99	0.74	10.60	H
	2827.48	-53.48	-13	-40.48	-66.17	-63.08	0.85	12.60	H
	1413.74	-54.44	-13	-41.44	-61.84	-61.13	0.56	9.40	V
	2120.61	-52.13	-13	-39.13	-63.76	-59.84	0.74	10.60	V
	2827.48	-53.12	-13	-40.12	-65.87	-62.72	0.85	12.60	V

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

LTE Band 12 / 3MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1412.3	-59.41	-13	-46.41	-67.16	-66.10	0.56	9.40	H
	2118.45	-62.52	-13	-49.52	-74.03	-70.23	0.74	10.60	H
	2824.6	-63.68	-13	-50.68	-76.37	-73.28	0.85	12.60	H
	1412.3	-65.06	-13	-52.06	-72.46	-71.75	0.56	9.40	V
	2118.45	-64.41	-13	-51.41	-76.04	-72.12	0.74	10.60	V
	2824.6	-63.55	-13	-50.55	-76.30	-73.15	0.85	12.60	V

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



LTE Band 12 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1410.5	-52.87	-13	-39.87	-60.62	-59.56	0.56	9.40	H
	2115.75	-52.90	-13	-39.90	-64.41	-60.61	0.74	10.60	H
	2821	-53.40	-13	-40.40	-66.08	-63.00	0.85	12.60	H
	1410.5	-53.64	-13	-40.64	-61.04	-60.33	0.56	9.40	V
	2115.75	-49.82	-13	-36.82	-61.45	-57.53	0.74	10.60	V
	2821	-54.66	-13	-41.66	-67.40	-64.26	0.85	12.60	V

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

LTE Band 12 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-51.93	-13	-38.93	-59.68	-58.62	0.56	9.40	H
	2109	-52.27	-13	-39.27	-63.53	-59.98	0.74	10.60	H
	2812	-53.97	-13	-40.97	-66.65	-63.57	0.85	12.60	H
	1406	-53.97	-13	-40.97	-61.37	-60.66	0.56	9.40	V
	2109	-48.30	-13	-35.30	-59.66	-56.01	0.74	10.60	V
	2812	-54.40	-13	-41.40	-67.14	-64.00	0.85	12.60	V

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