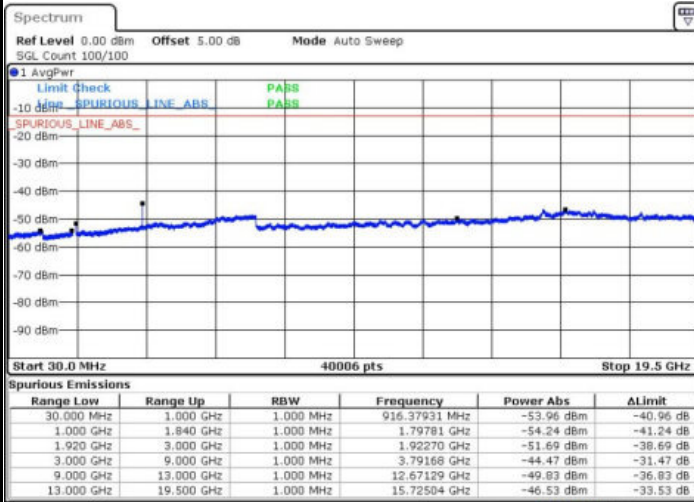




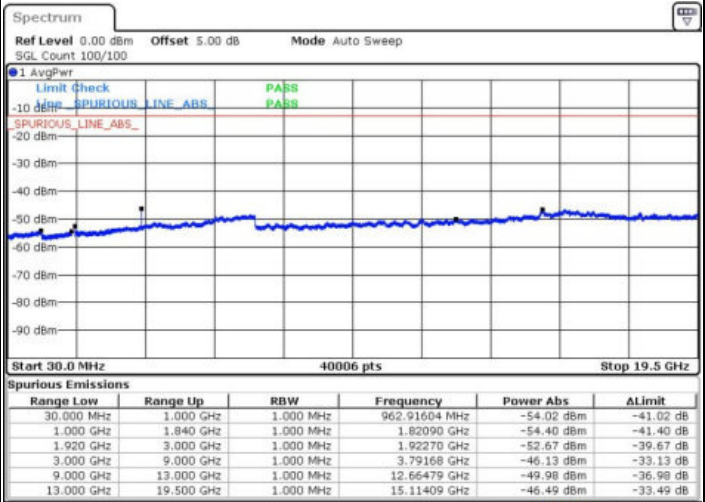
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 16 MAR 2016 11:55:24

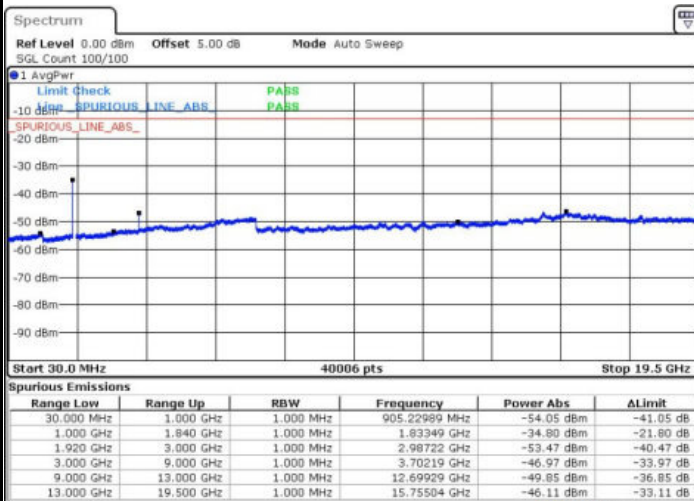
Highest Channel / 16QAM



Date: 16 MAR 2016 11:56:20

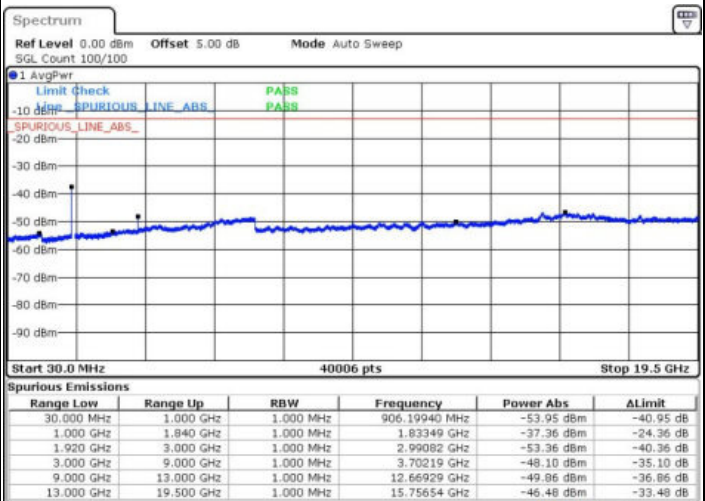
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 16 MAR 2016 12:02:29

Lowest Channel / 16QAM

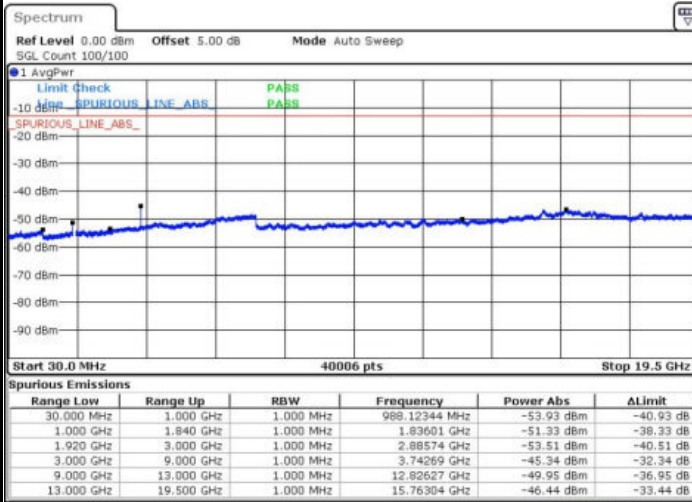


Date: 16 MAR 2016 12:03:25



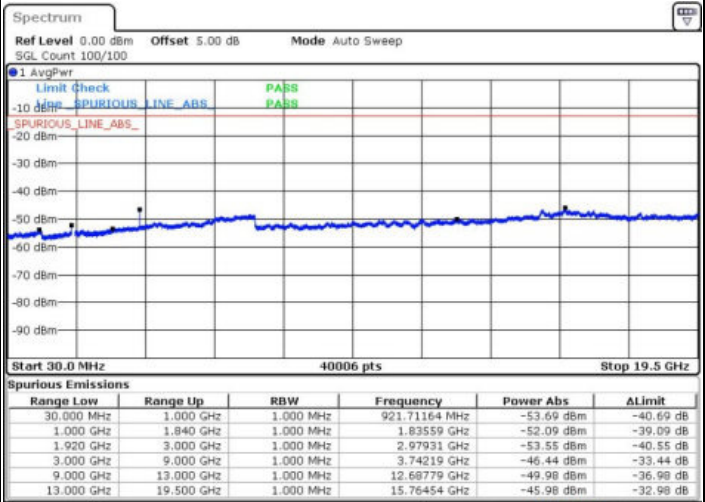
LTE Band 2 / 20MHz

Middle Channel / QPSK



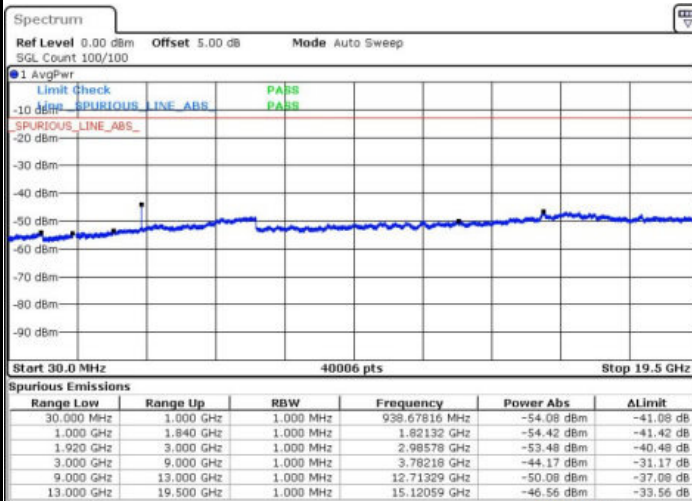
Date: 16 MAR 2016 12:05:02

Middle Channel / 16QAM



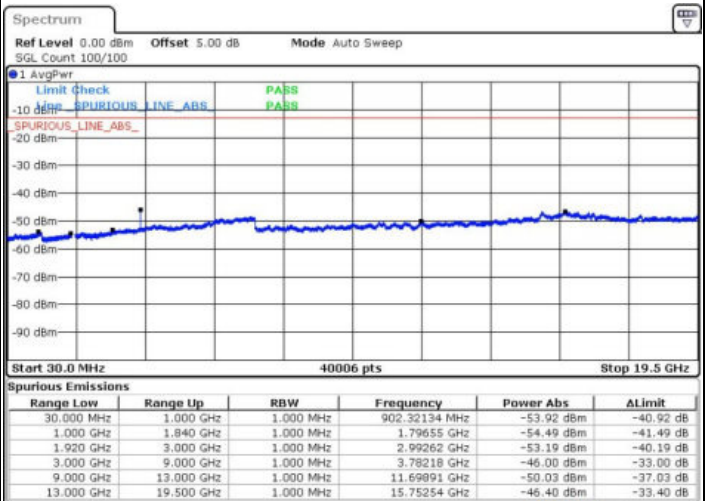
Date: 16 MAR 2016 12:05:58

Highest Channel / QPSK



Date: 16 MAR 2016 12:12:07

Highest Channel / 16QAM

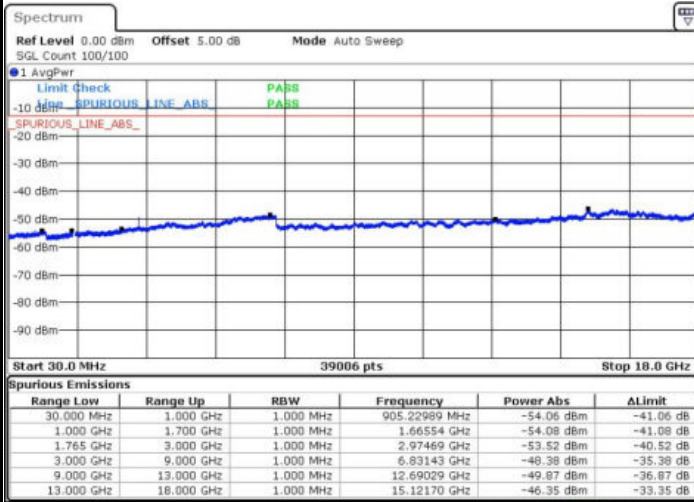


Date: 16 MAR 2016 12:13:02



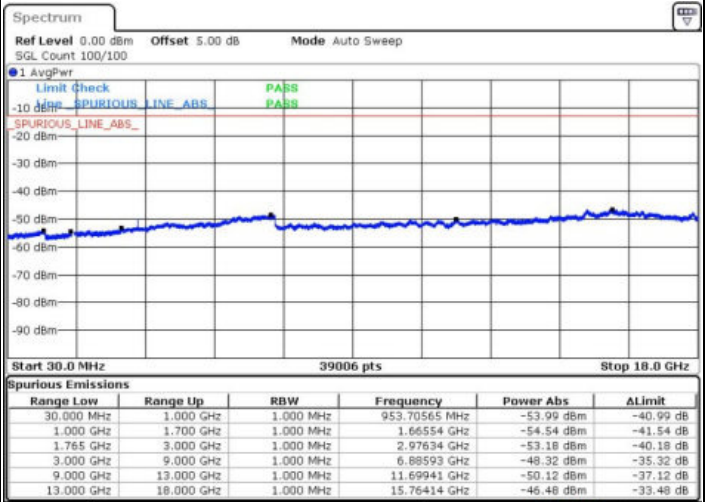
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



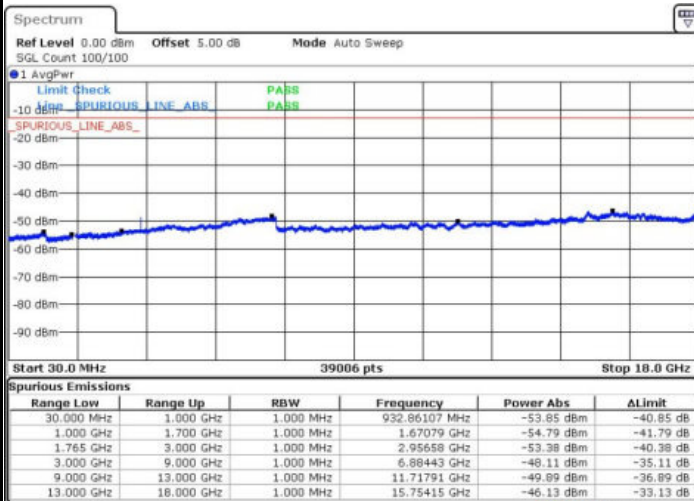
Date: 16 MAR 2016 18:42:44

Lowest Channel / 16QAM



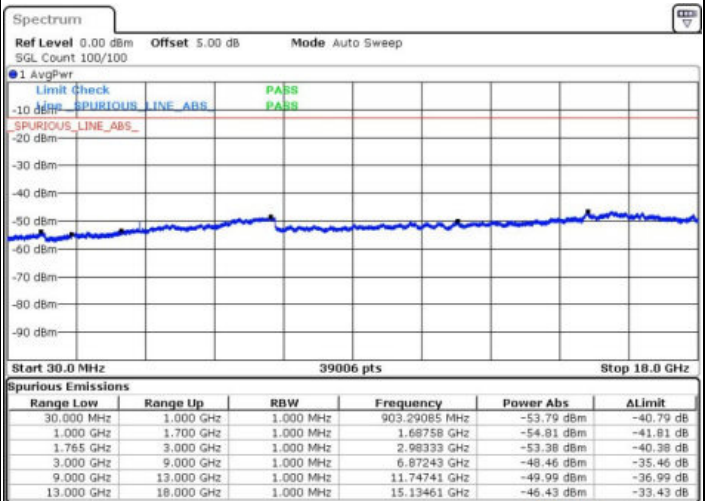
Date: 16 MAR 2016 18:43:39

Middle Channel / QPSK



Date: 16 MAR 2016 18:45:16

Middle Channel / 16QAM

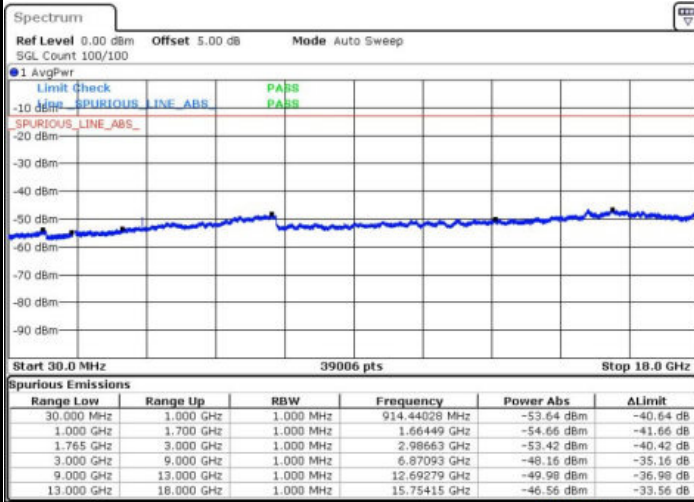


Date: 16 MAR 2016 18:46:12



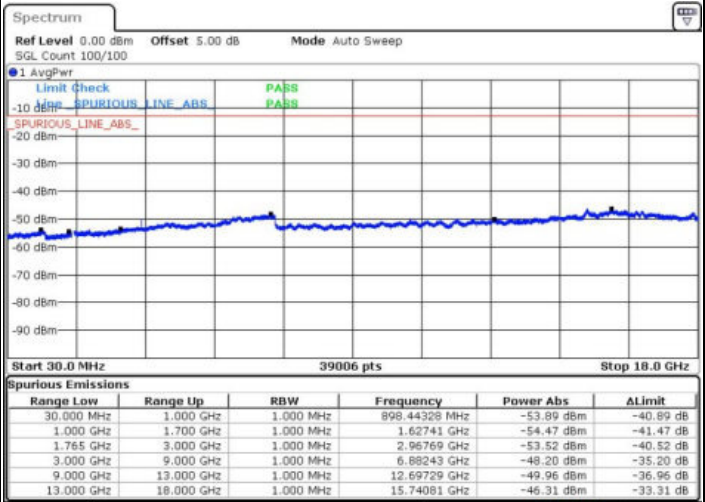
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 16 MAR 2016 18:52:22

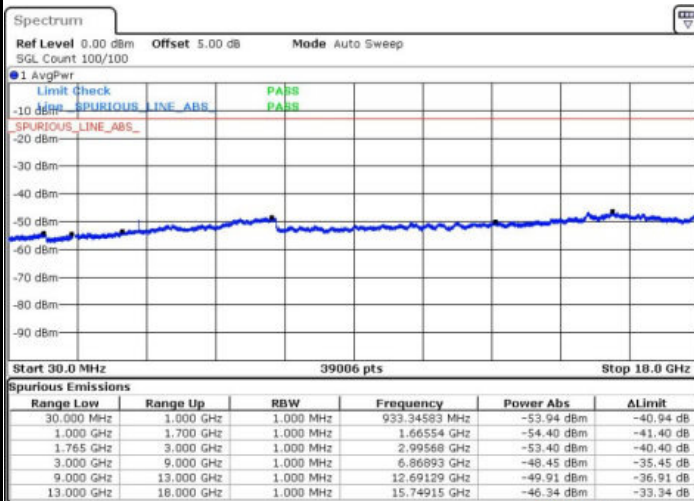
Highest Channel / 16QAM



Date: 16 MAR 2016 18:53:17

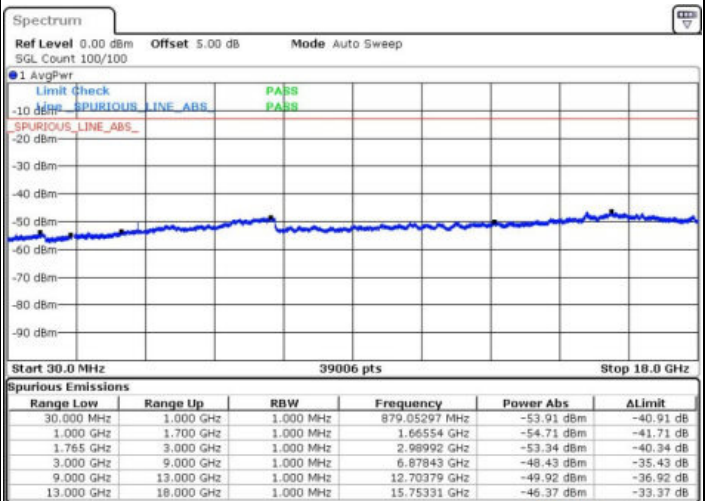
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 16 MAR 2016 18:59:27

Lowest Channel / 16QAM

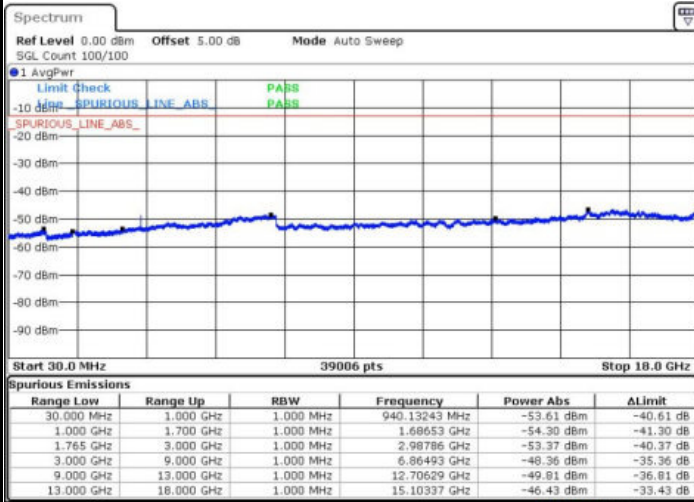


Date: 16 MAR 2016 19:00:22



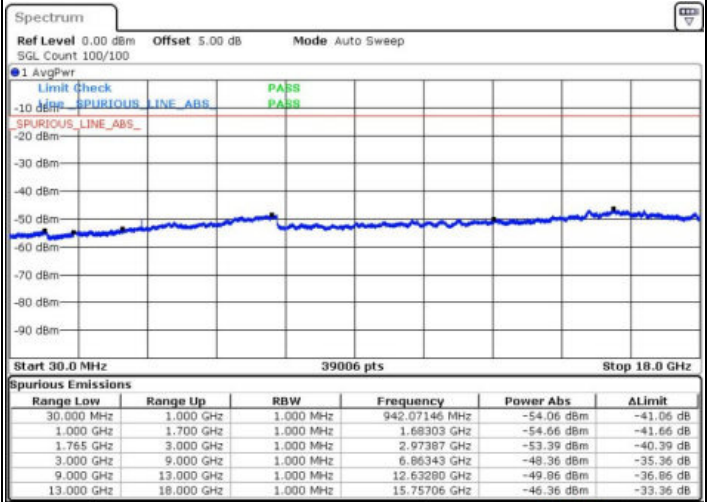
LTE Band 4 / 3MHz

Middle Channel / QPSK



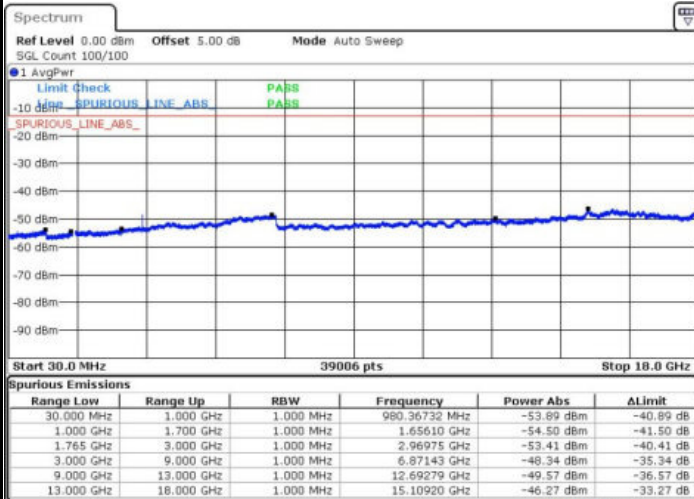
Date: 16 MAR 2016 19:02:00

Middle Channel / 16QAM



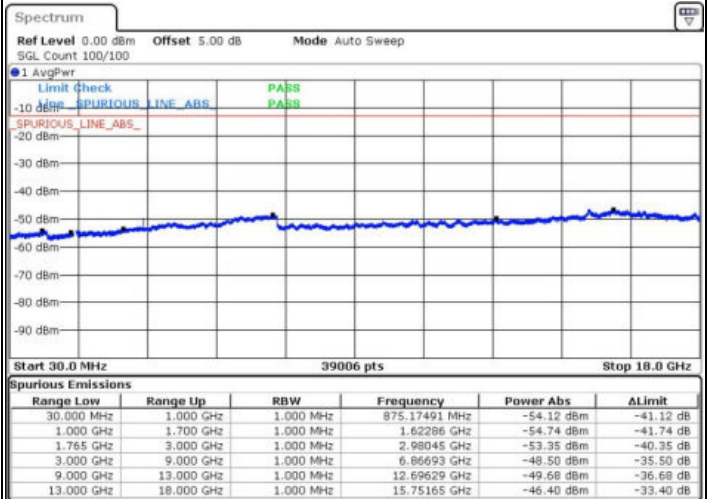
Date: 16 MAR 2016 19:02:55

Highest Channel / QPSK



Date: 16 MAR 2016 19:09:04

Highest Channel / 16QAM

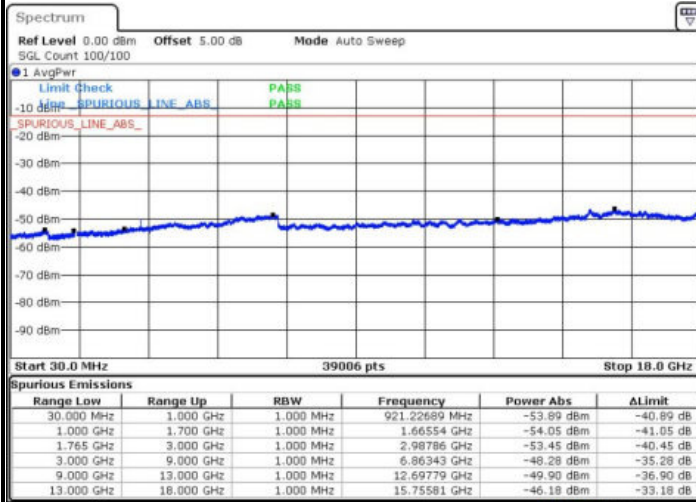


Date: 16 MAR 2016 19:10:00



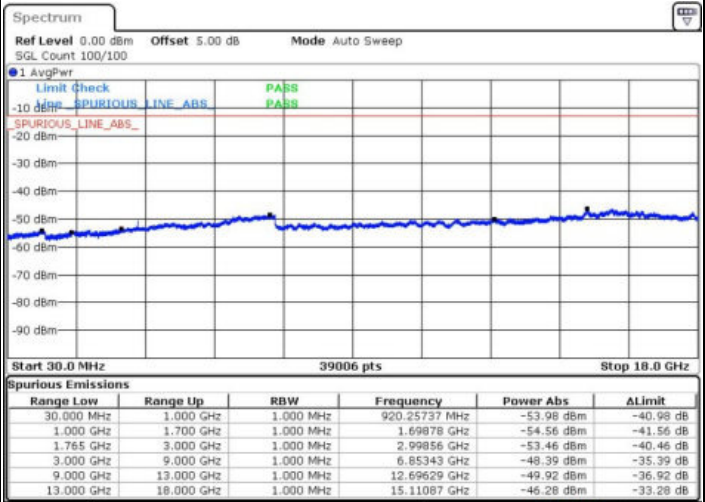
LTE Band 4 / 5MHz

Lowest Channel / QPSK



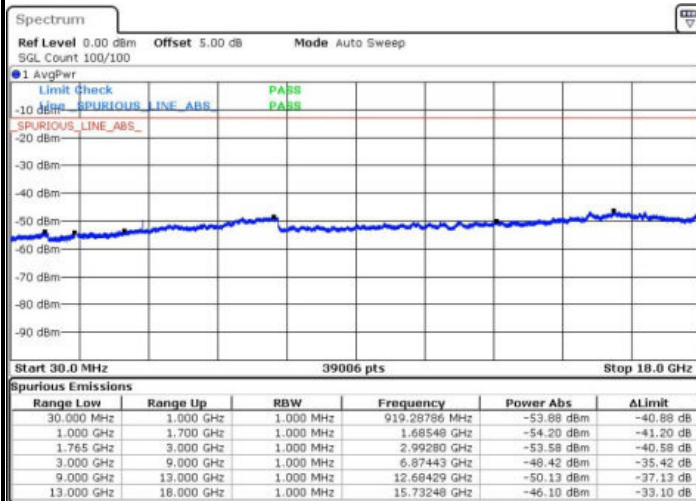
Date: 16 MAR 2016 19:16:38

Lowest Channel / 16QAM



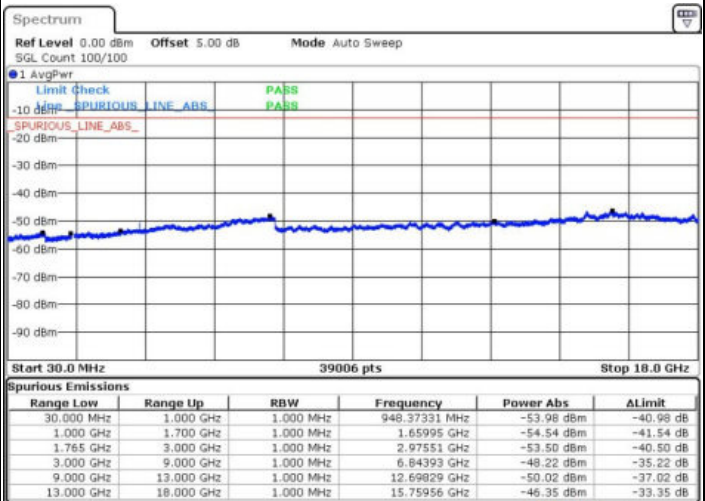
Date: 16 MAR 2016 19:17:33

Middle Channel / QPSK



Date: 16 MAR 2016 19:19:11

Middle Channel / 16QAM

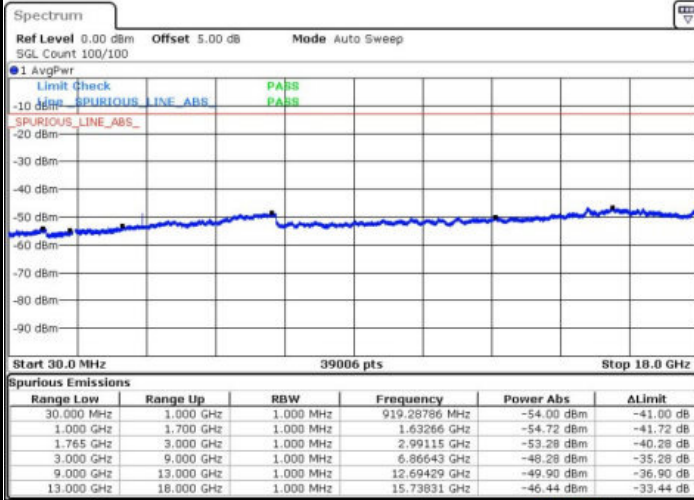


Date: 16 MAR 2016 19:20:06



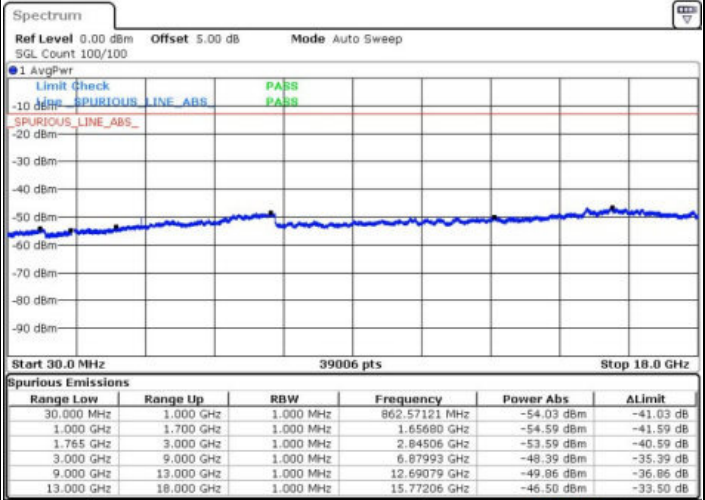
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 16 MAR 2016 19:26:15

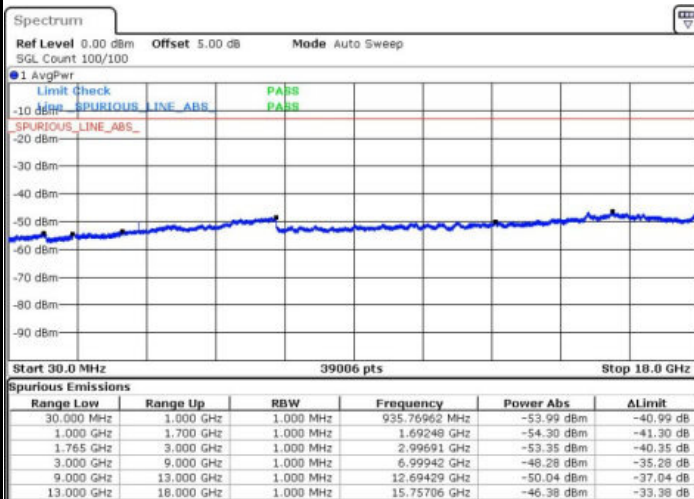
Highest Channel / 16QAM



Date: 16 MAR 2016 19:27:11

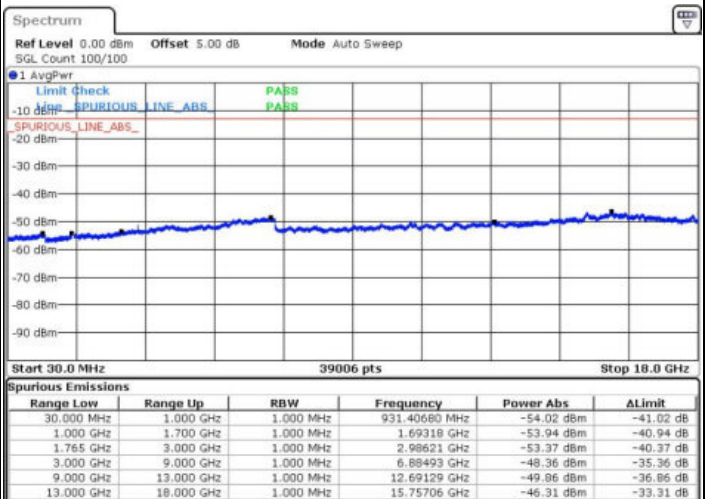
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 16 MAR 2016 19:33:20

Lowest Channel / 16QAM

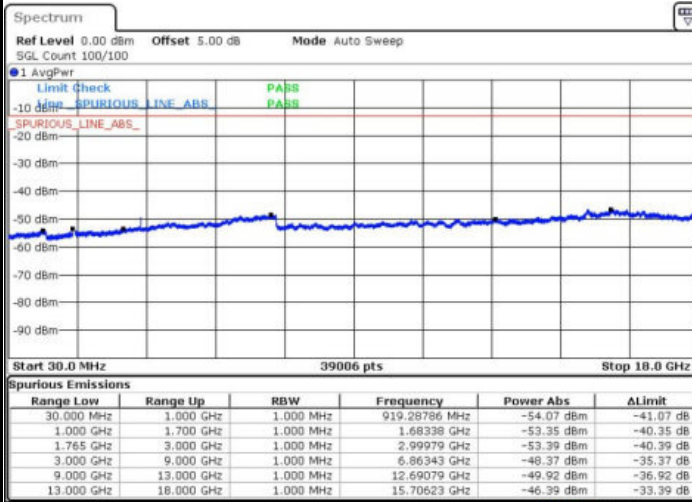


Date: 16 MAR 2016 19:34:16



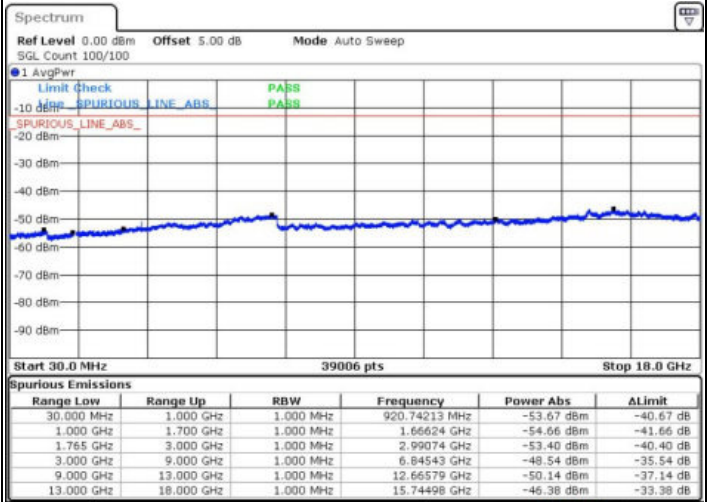
LTE Band 4 / 10MHz

Middle Channel / QPSK



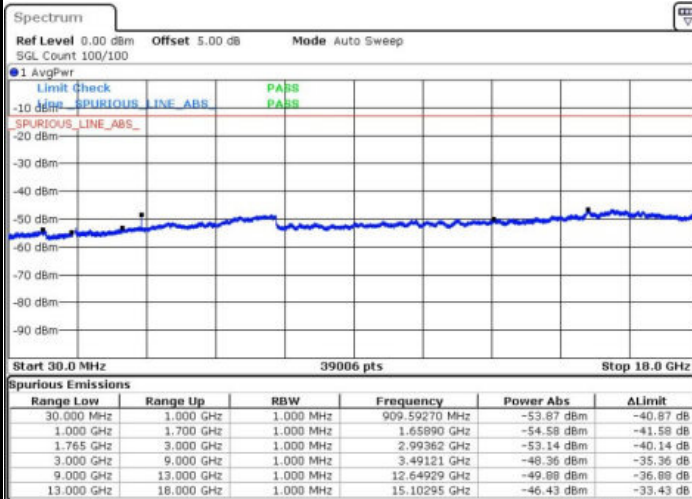
Date: 16 MAR 2016 19:35:53

Middle Channel / 16QAM



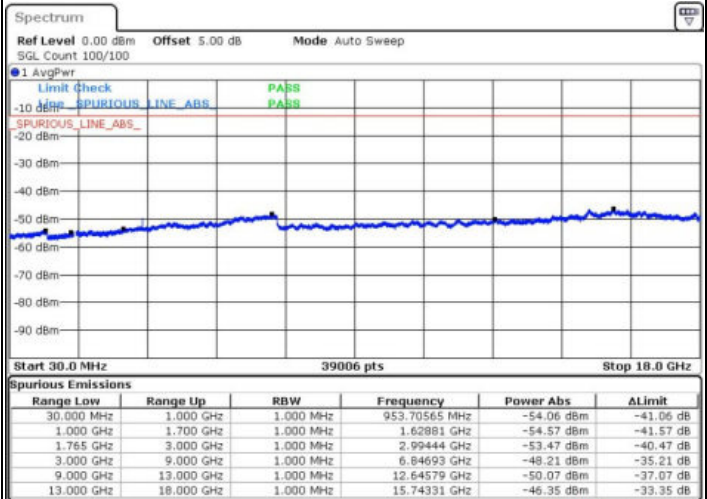
Date: 16 MAR 2016 19:36:49

Highest Channel / QPSK



Date: 16 MAR 2016 19:42:58

Highest Channel / 16QAM

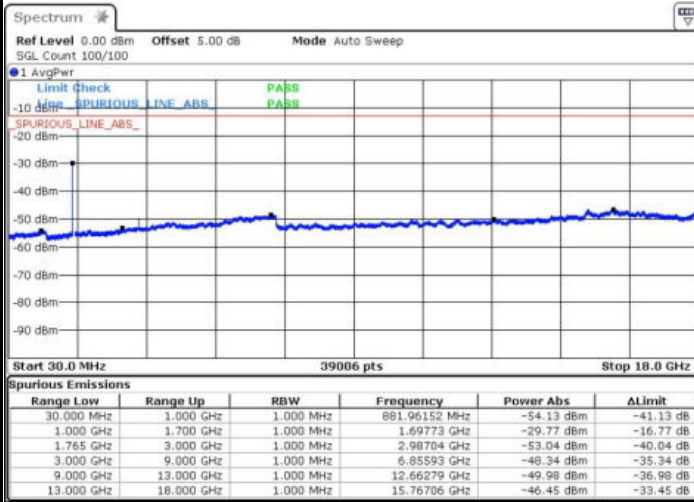


Date: 16 MAR 2016 19:43:53



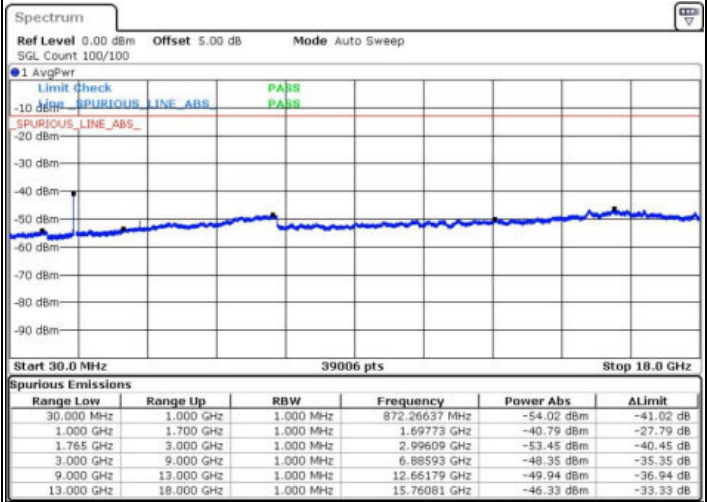
LTE Band 4 / 15MHz

Lowest Channel / QPSK



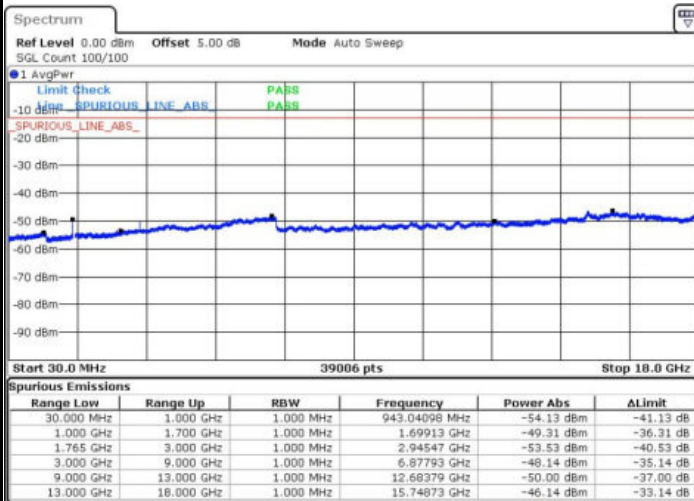
Date: 16 MAR 2016 20:47:01

Lowest Channel / 16QAM



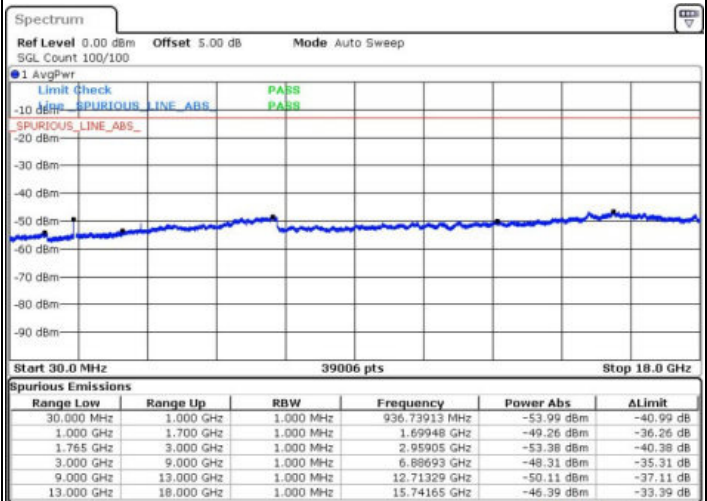
Date: 16 MAR 2016 19:50:58

Middle Channel / QPSK



Date: 16 MAR 2016 19:52:36

Middle Channel / 16QAM

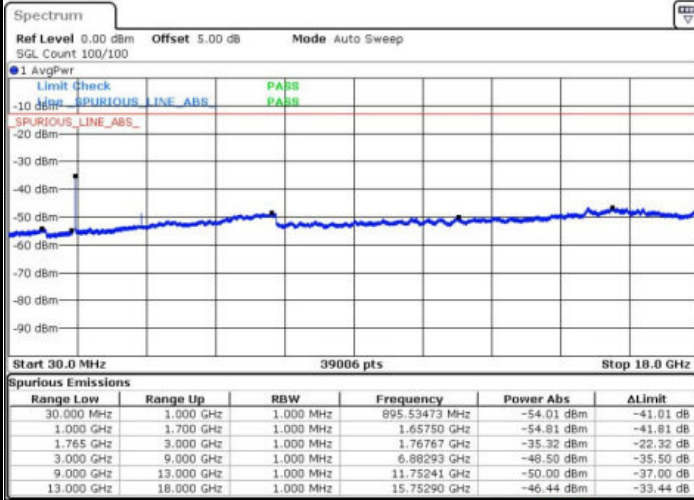


Date: 16 MAR 2016 19:53:31



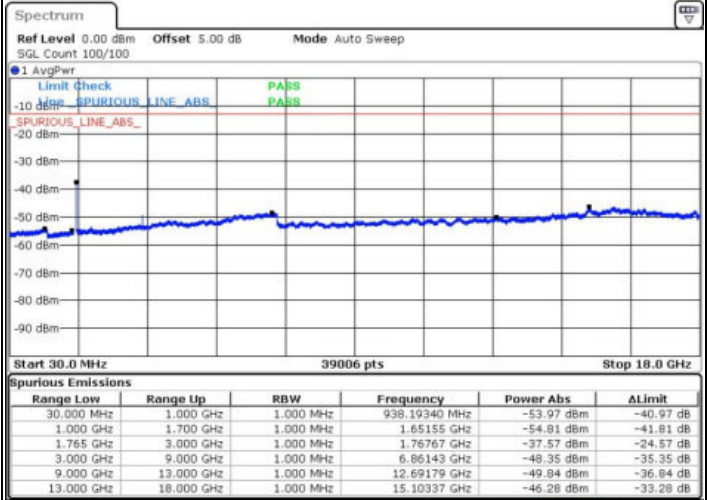
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 16 MAR 2016 19:59:41

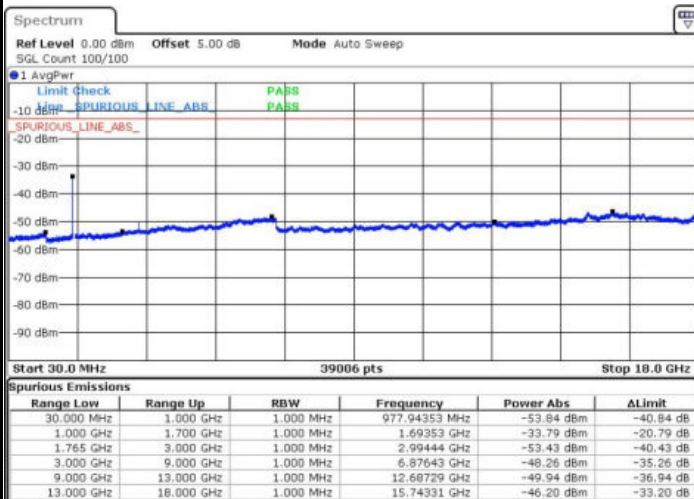
Highest Channel / 16QAM



Date: 16 MAR 2016 20:00:36

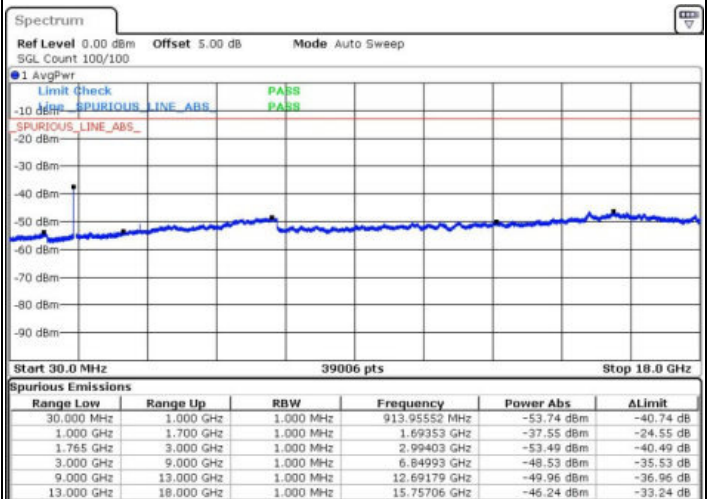
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 16 MAR 2016 20:06:45

Lowest Channel / 16QAM

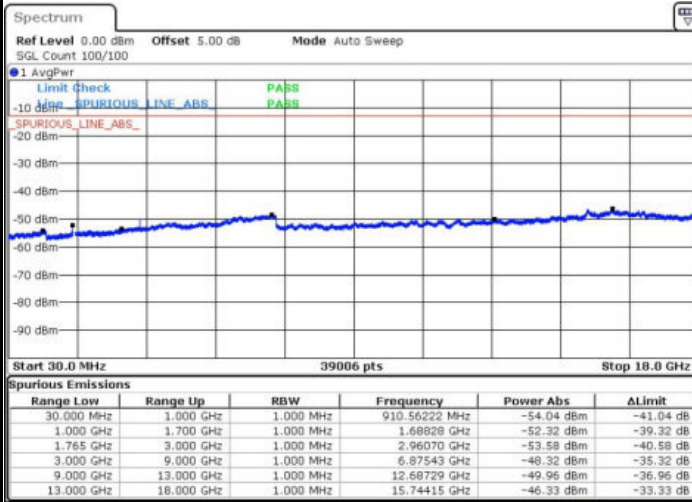


Date: 16 MAR 2016 20:07:41



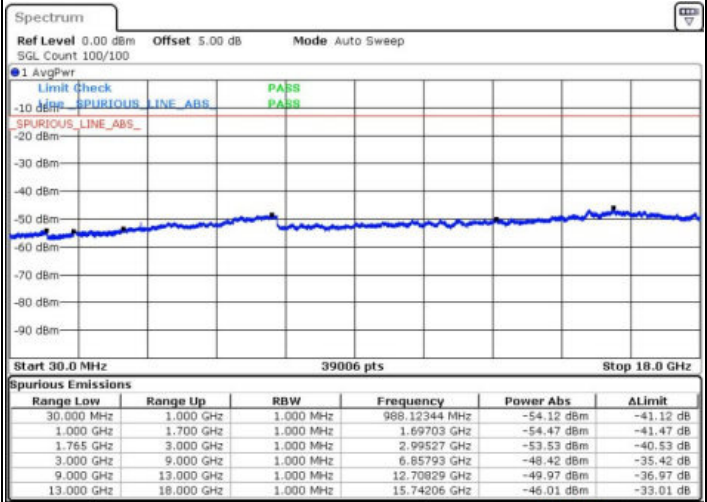
LTE Band 4 / 20MHz

Middle Channel / QPSK



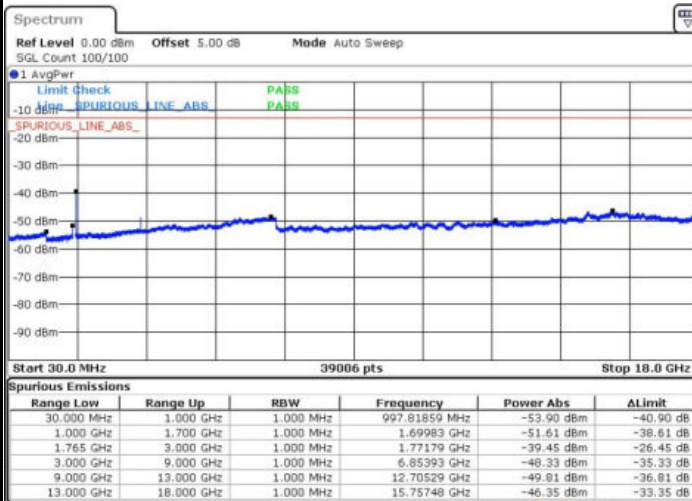
Date: 16 MAR 2016 20:09:18

Middle Channel / 16QAM



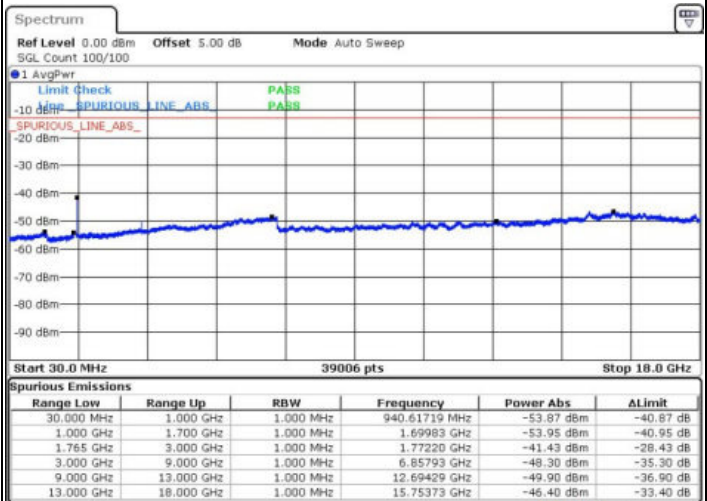
Date: 16 MAR 2016 20:10:14

Highest Channel / QPSK



Date: 16 MAR 2016 20:16:23

Highest Channel / 16QAM

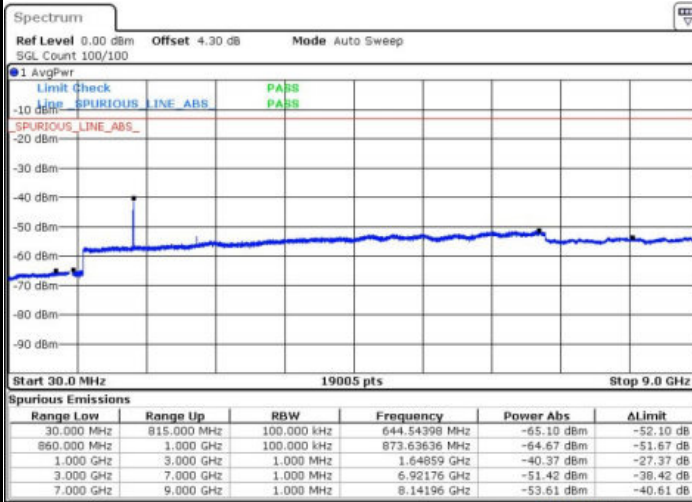


Date: 16 MAR 2016 20:17:19



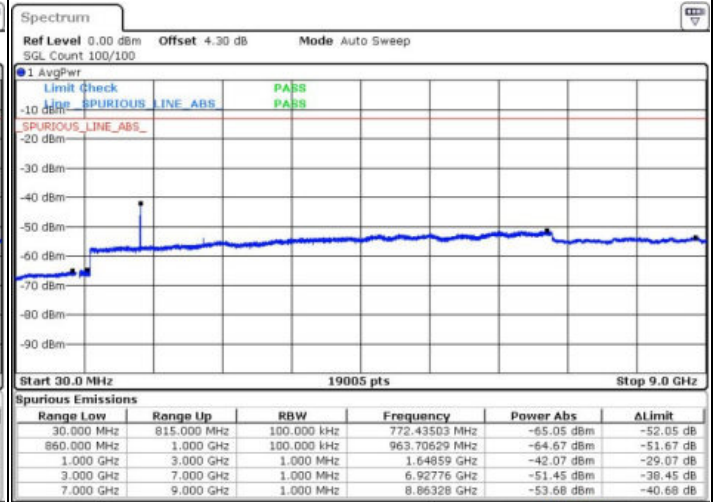
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK



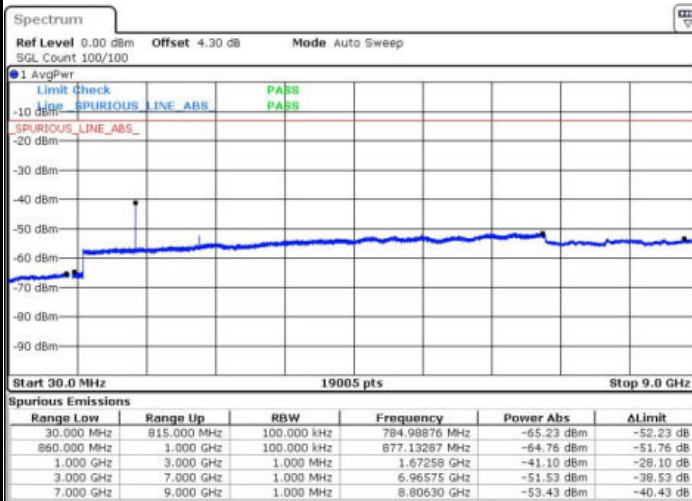
Date: 17 MAR 2016 10:33:29

Lowest Channel / 16QAM



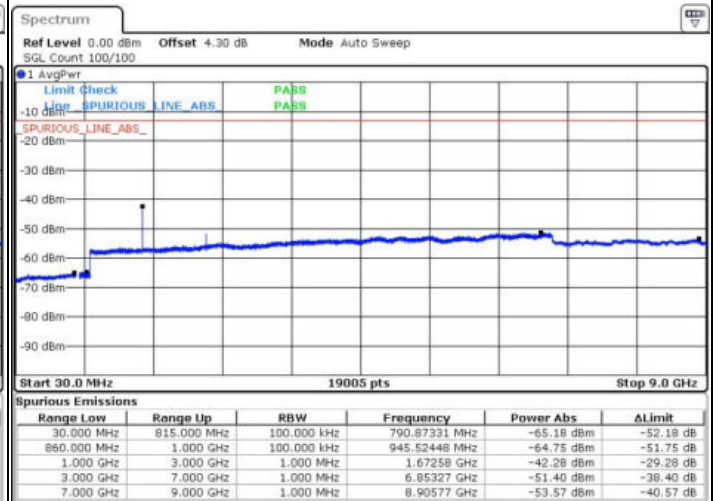
Date: 17 MAR 2016 10:34:22

Middle Channel / QPSK



Date: 17 MAR 2016 10:35:58

Middle Channel / 16QAM

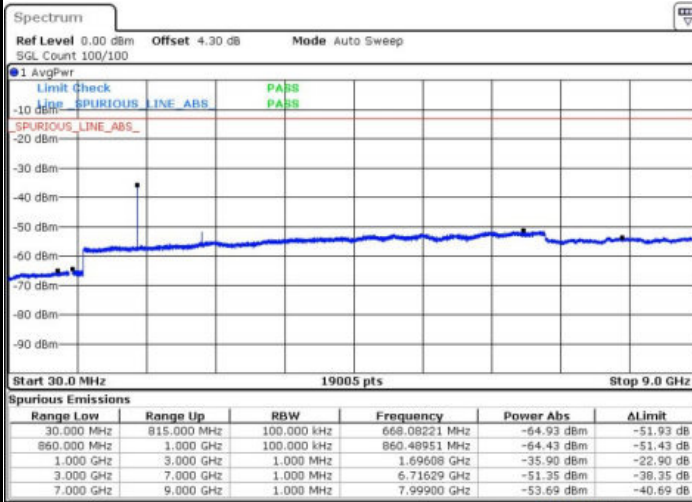


Date: 17 MAR 2016 10:36:51



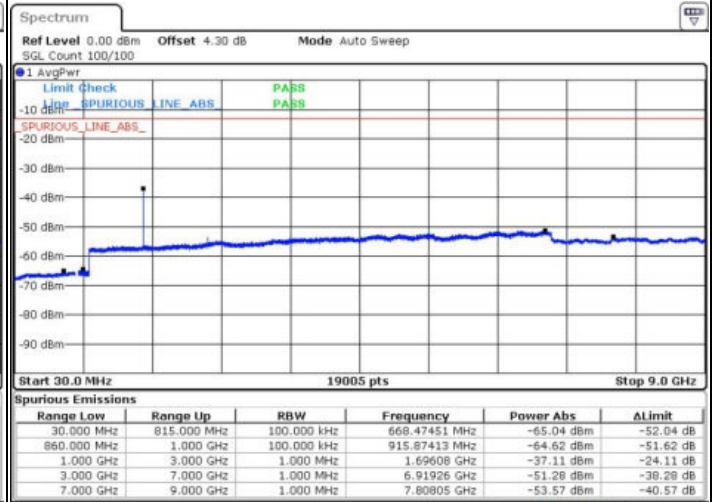
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 17 MAR 2016 10:46:33

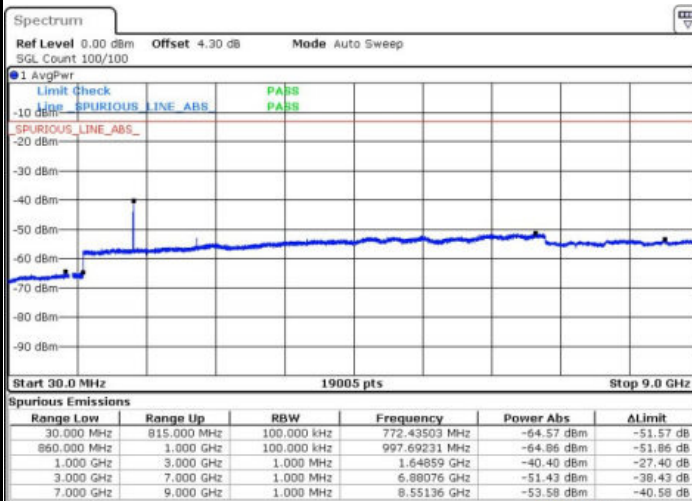
Highest Channel / 16QAM



Date: 17 MAR 2016 10:47:27

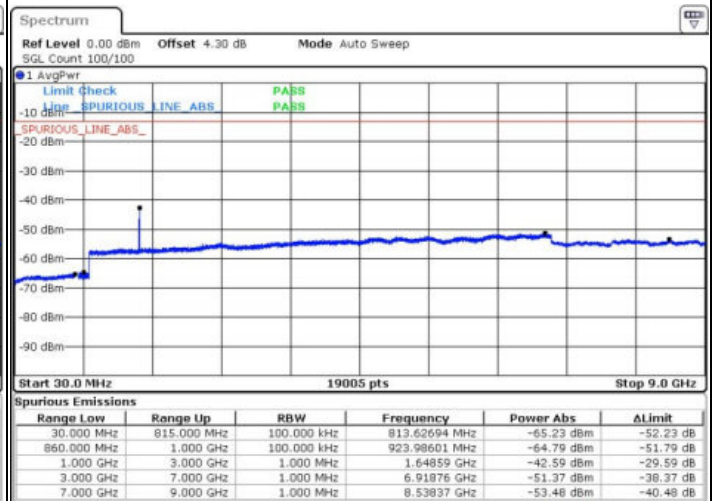
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 17 MAR 2016 10:57:09

Lowest Channel / 16QAM

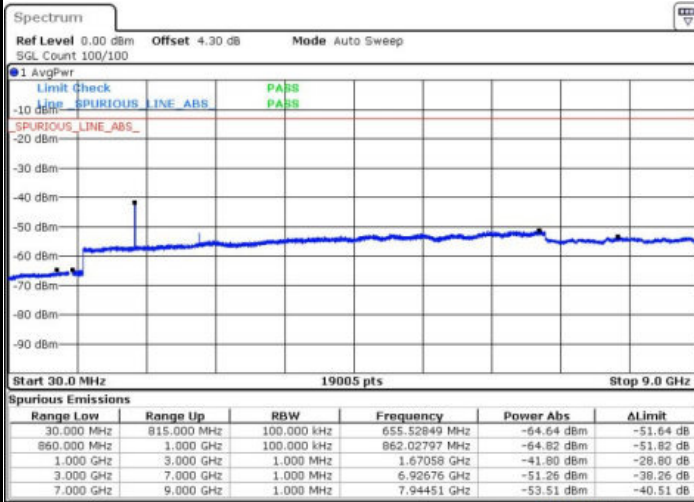


Date: 17 MAR 2016 10:58:02



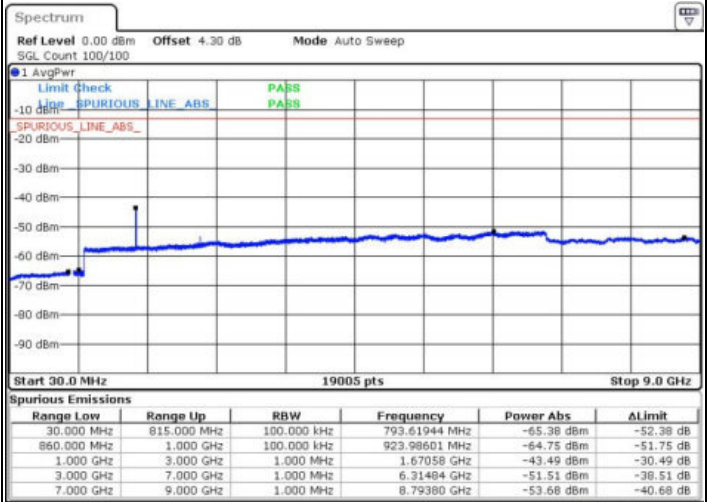
LTE Band 5 / 3MHz

Middle Channel / QPSK



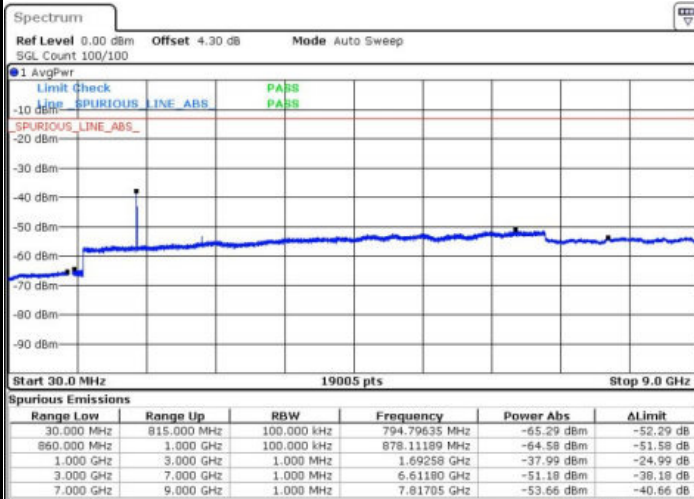
Date: 17 MAR 2016 10:59:38

Middle Channel / 16QAM



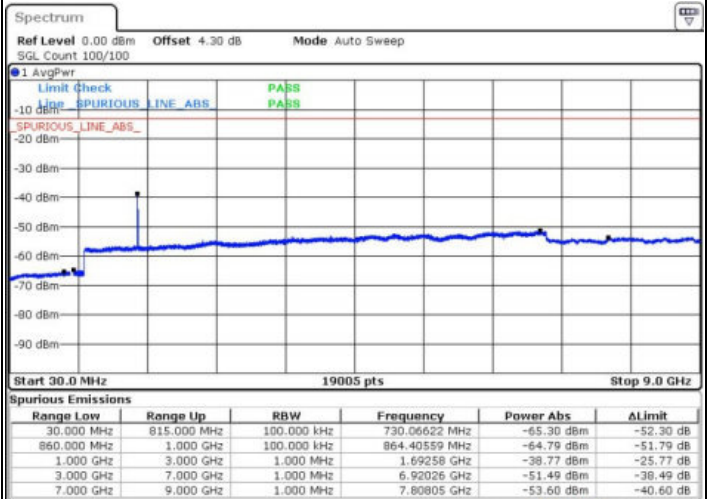
Date: 17 MAR 2016 11:00:31

Highest Channel / QPSK



Date: 17 MAR 2016 11:10:13

Highest Channel / 16QAM

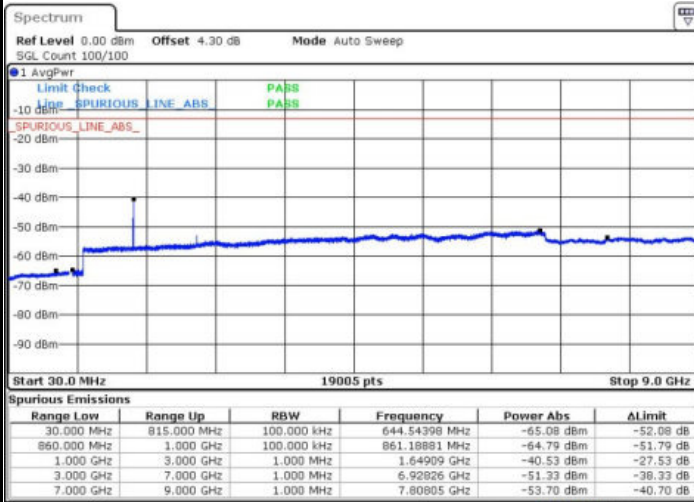


Date: 17 MAR 2016 11:11:07



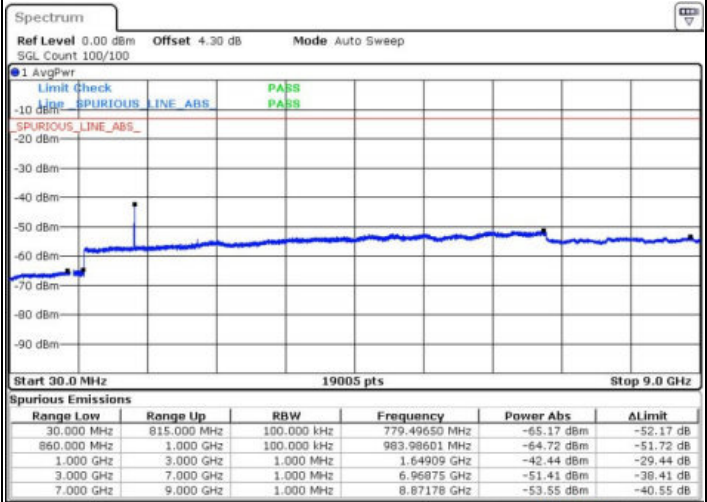
LTE Band 5 / 5MHz

Lowest Channel / QPSK



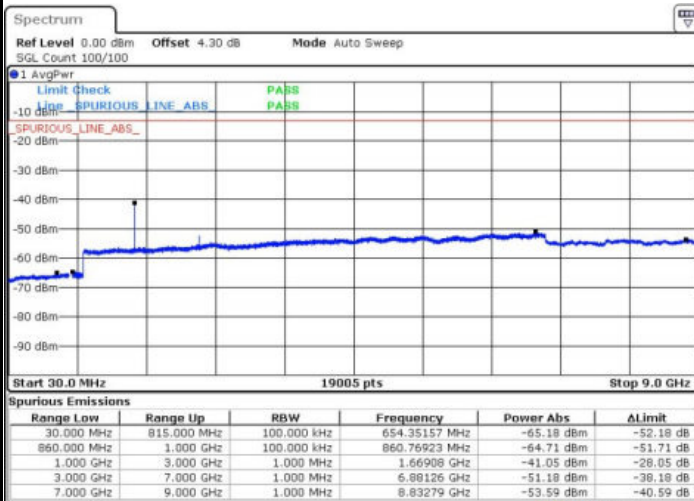
Date: 17 MAR 2016 11:20:49

Lowest Channel / 16QAM



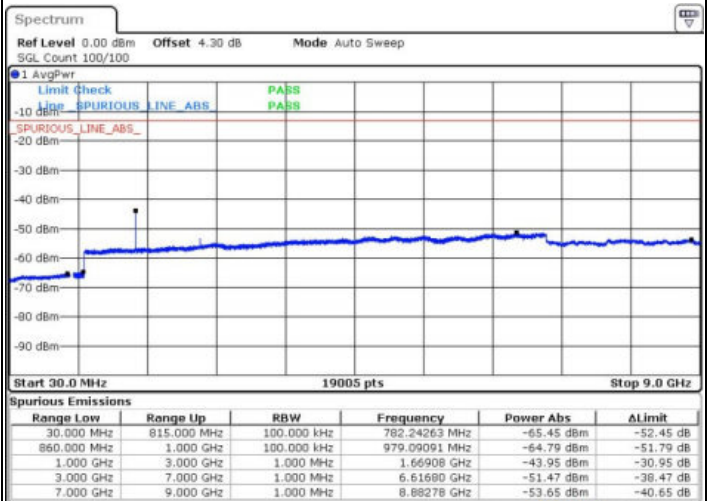
Date: 17 MAR 2016 11:21:42

Middle Channel / QPSK



Date: 17 MAR 2016 11:23:18

Middle Channel / 16QAM

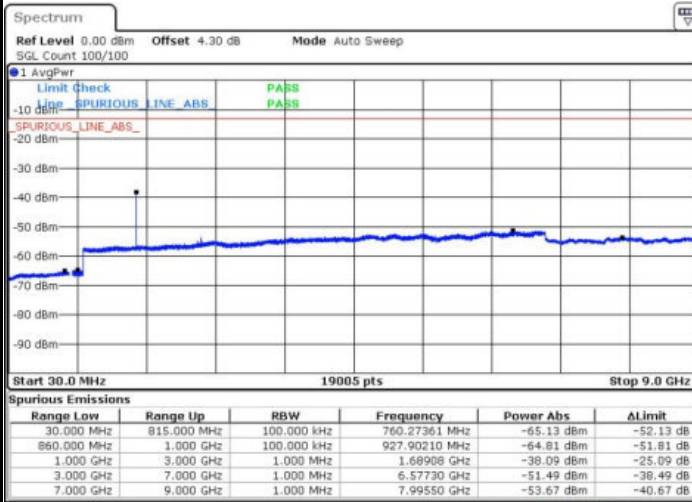


Date: 17 MAR 2016 11:24:11



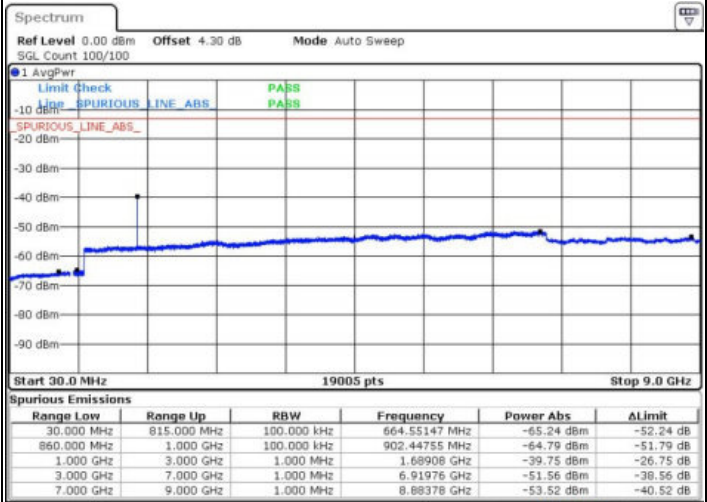
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 17.MAR.2016 11:33:53

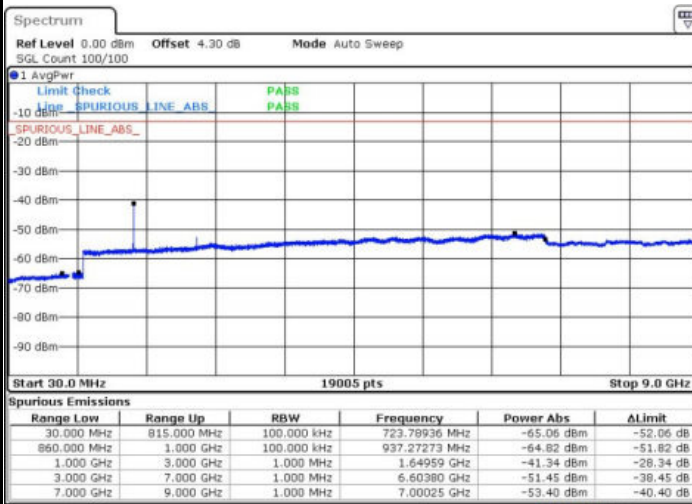
Highest Channel / 16QAM



Date: 17.MAR.2016 11:34:47

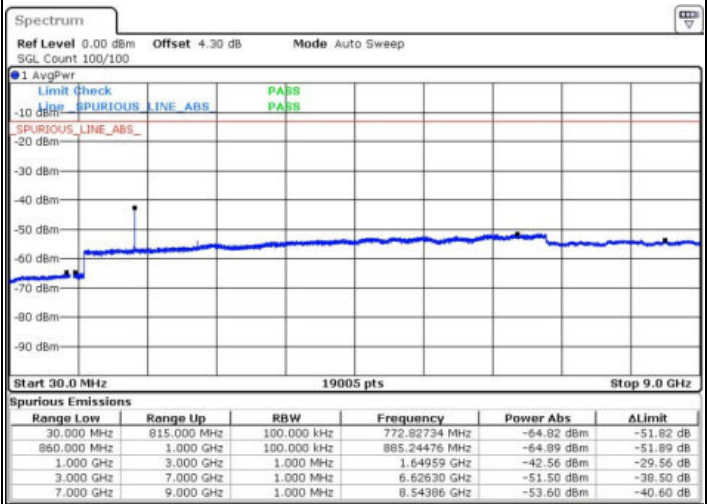
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 17.MAR.2016 11:44:29

Lowest Channel / 16QAM

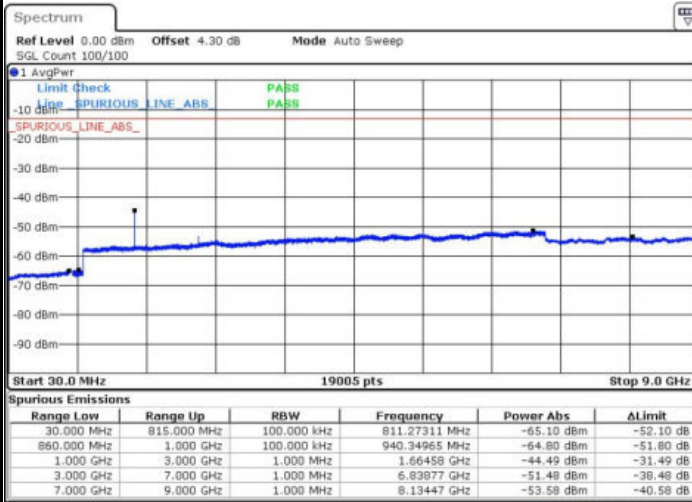


Date: 17.MAR.2016 11:45:22



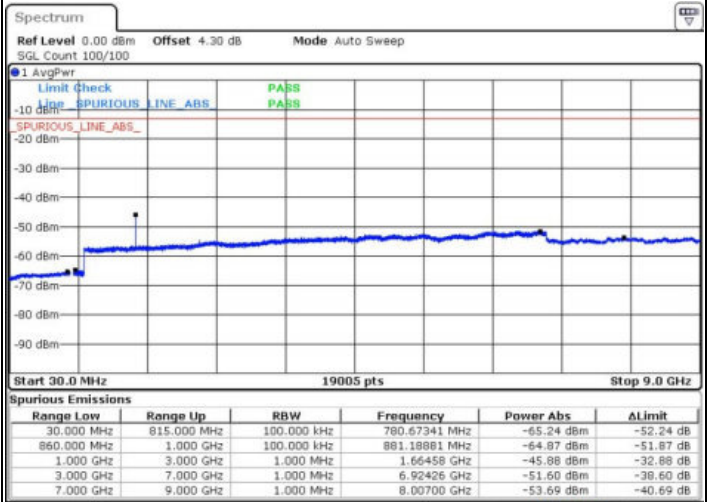
LTE Band 5 / 10MHz

Middle Channel / QPSK



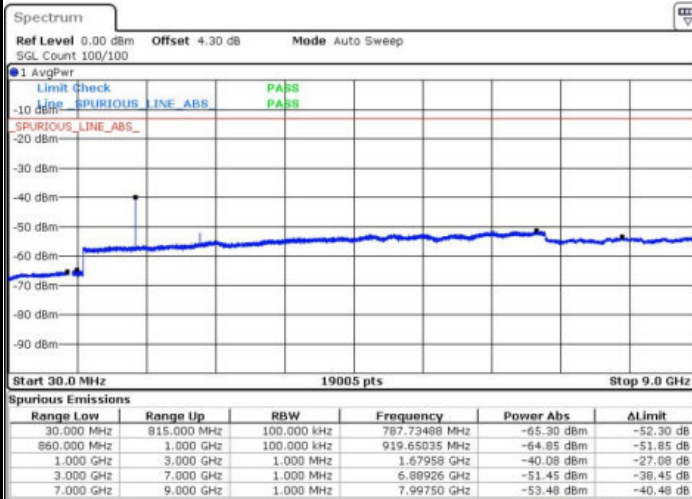
Date: 17 MAR 2016 11:46:58

Middle Channel / 16QAM



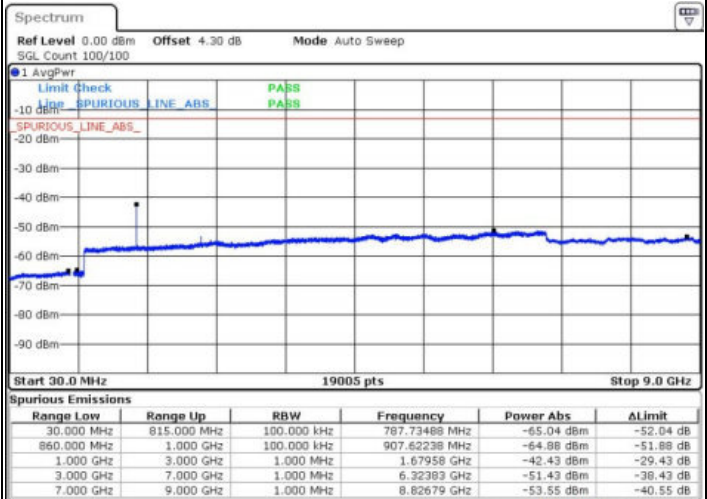
Date: 17 MAR 2016 11:47:51

Highest Channel / QPSK



Date: 17 MAR 2016 11:57:35

Highest Channel / 16QAM

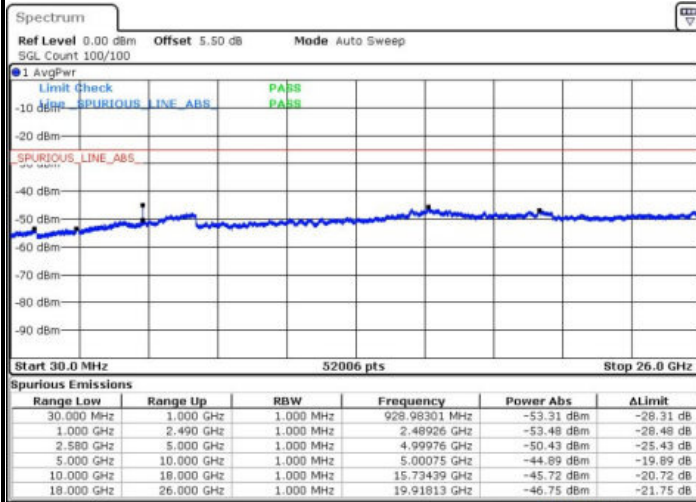


Date: 17 MAR 2016 11:58:28



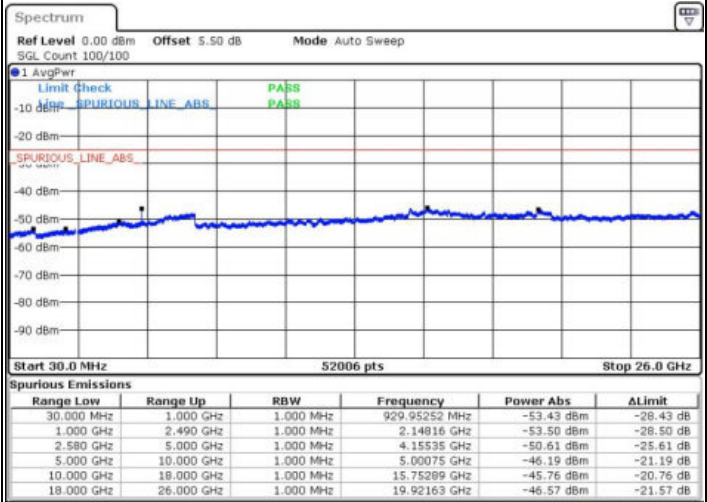
LTE Band 7 / 5MHz

Lowest Channel / QPSK



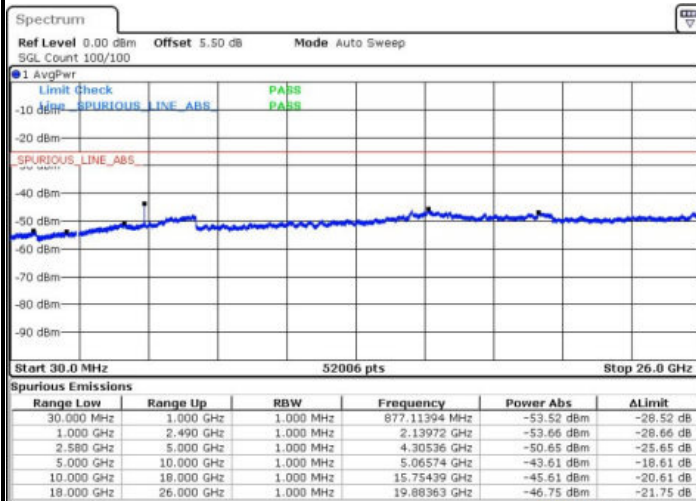
Date: 17 MAR 2016 15:42:27

Lowest Channel / 16QAM



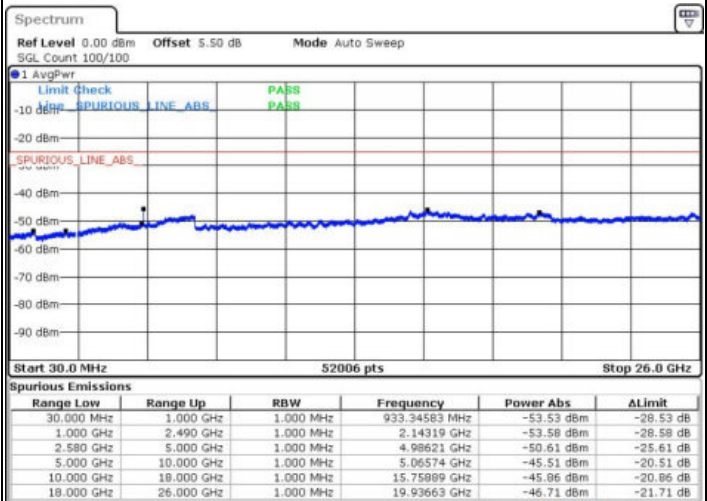
Date: 17 MAR 2016 15:43:22

Middle Channel / QPSK



Date: 17 MAR 2016 15:45:11

Middle Channel / 16QAM

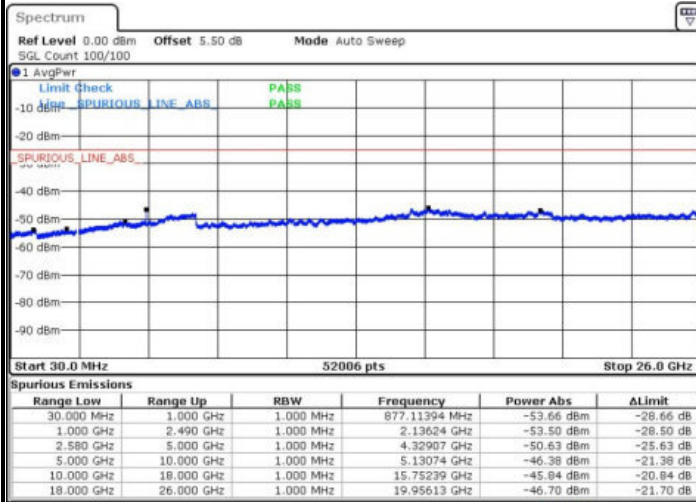


Date: 17 MAR 2016 15:44:16



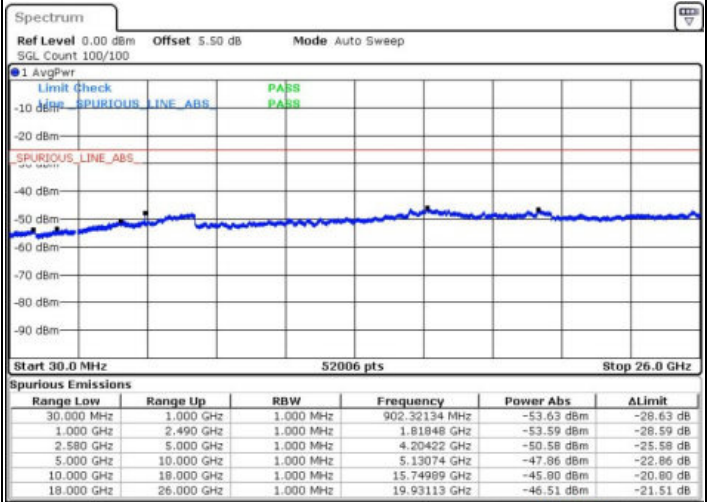
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 17 MAR 2016 15:46:05

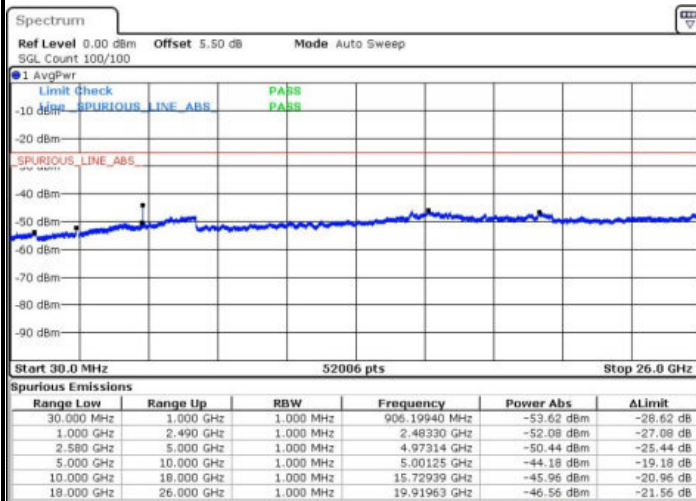
Highest Channel / 16QAM



Date: 17 MAR 2016 15:47:00

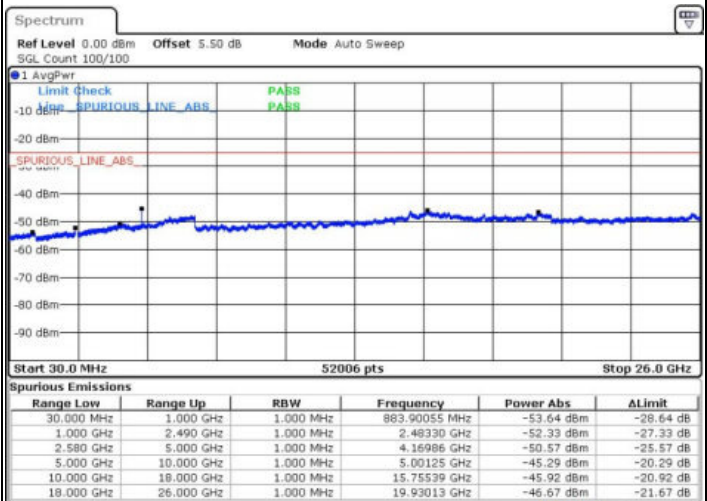
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 17 MAR 2016 15:59:09

Lowest Channel / 16QAM

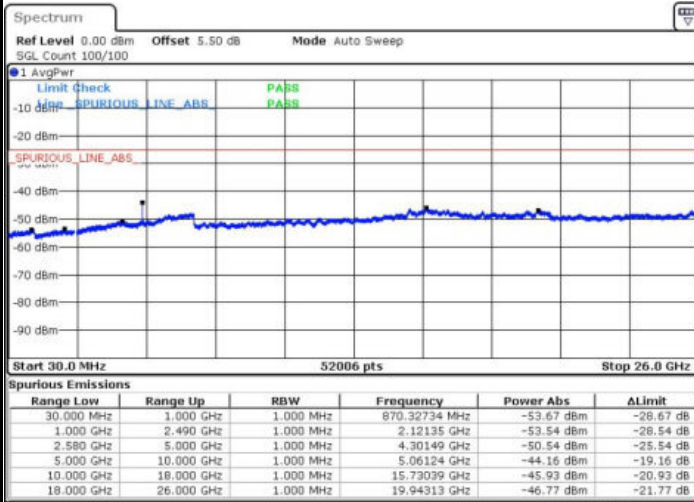


Date: 17 MAR 2016 16:00:03



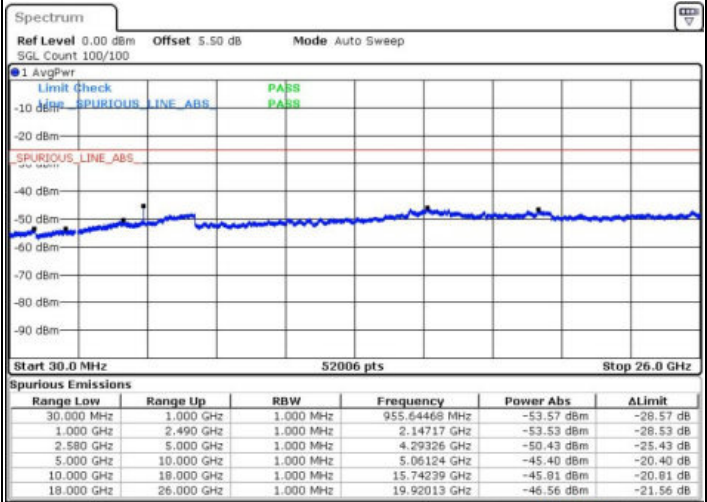
LTE Band 7 / 10MHz

Middle Channel / QPSK



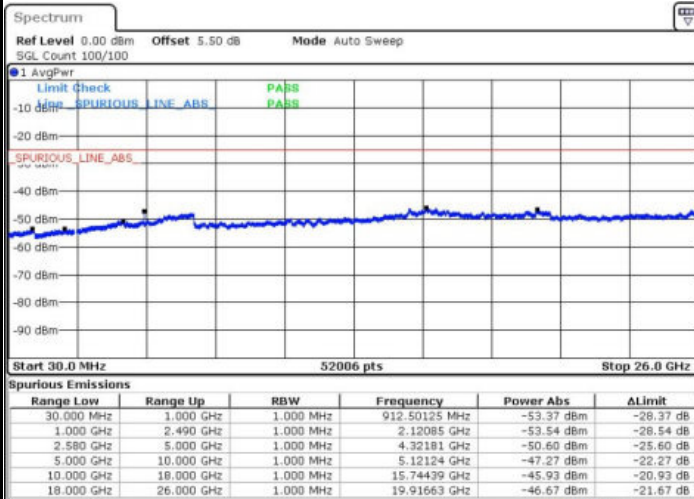
Date: 17 MAR 2016 16:01:53

Middle Channel / 16QAM



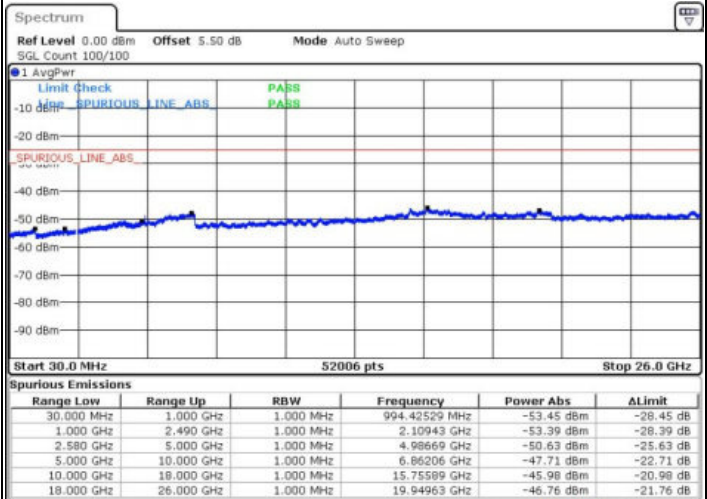
Date: 17 MAR 2016 16:00:58

Highest Channel / QPSK



Date: 17 MAR 2016 16:02:47

Highest Channel / 16QAM

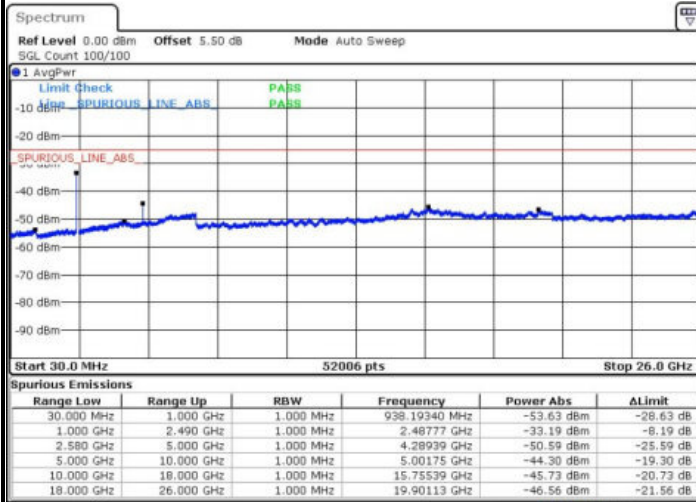


Date: 17 MAR 2016 16:03:42



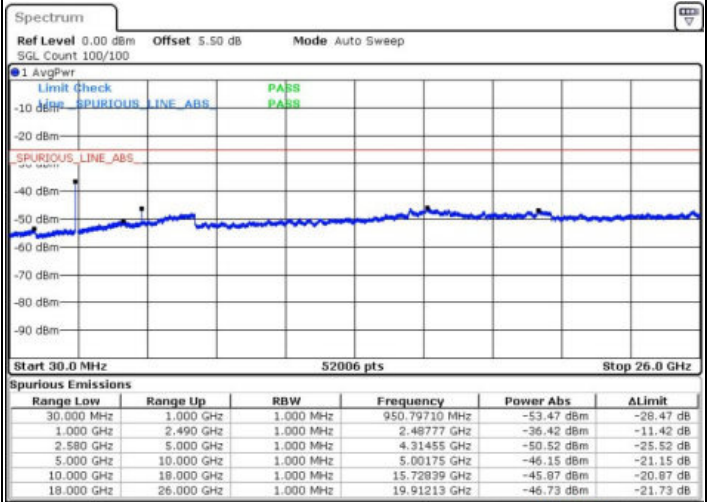
LTE Band 7 / 15MHz

Lowest Channel / QPSK



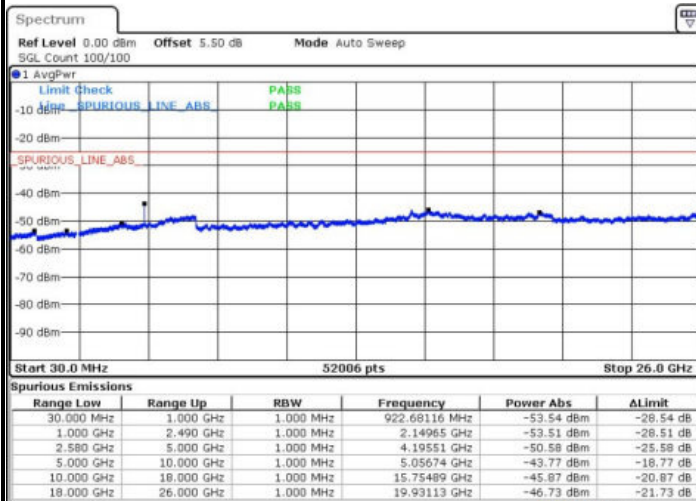
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Lowest Channel / 16QAM



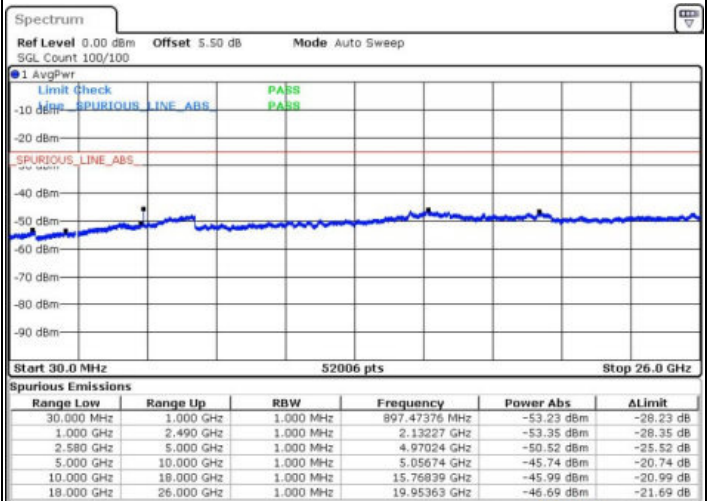
Date: 17 MAR 2016 16:16:45

Middle Channel / QPSK



Date: 17 MAR 2016 16:18:34

Middle Channel / 16QAM

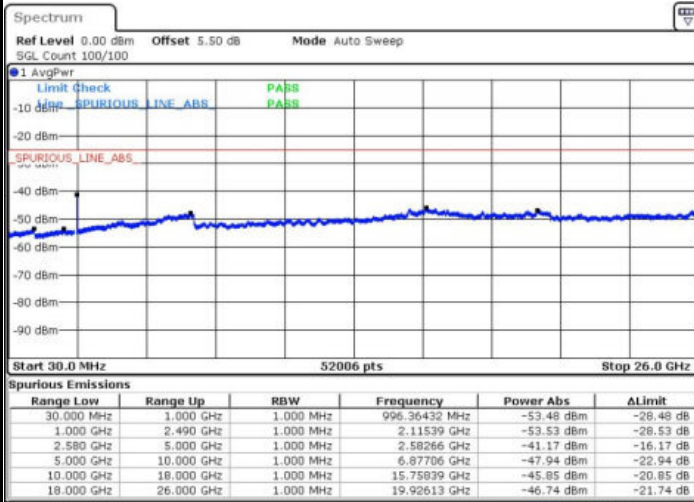


Date: 17 MAR 2016 16:17:40



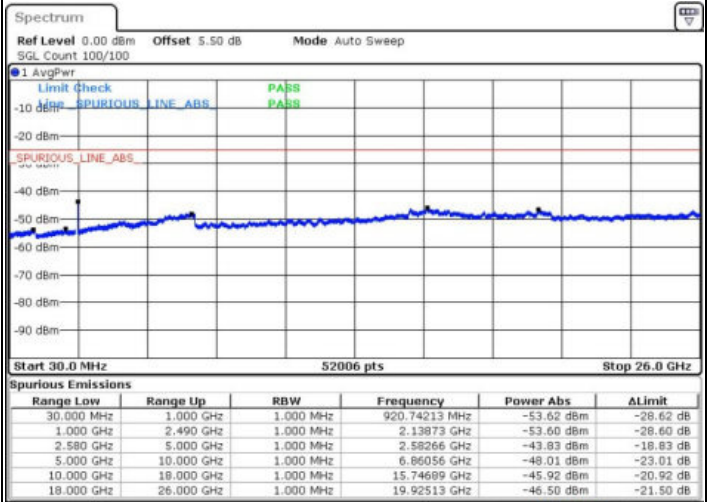
LTE Band7 / 15MHz

Highest Channel / QPSK



Date: 17.MAR.2016 16:19:29

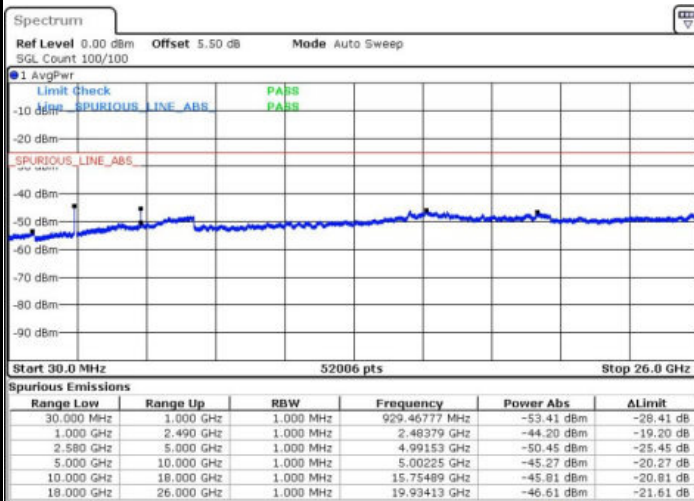
Highest Channel / 16QAM



Date: 17.MAR.2016 16:20:23

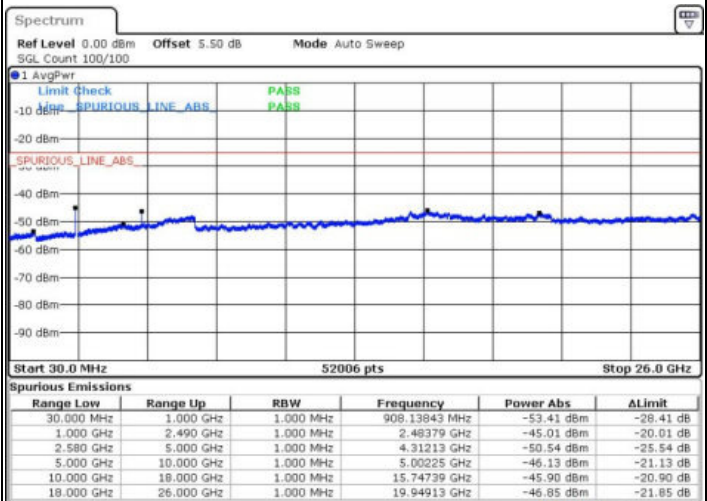
LTE Band 7 / 20MHz

Lowest Channel / QPSK



Date: 17.MAR.2016 16:32:32

Lowest Channel / 16QAM

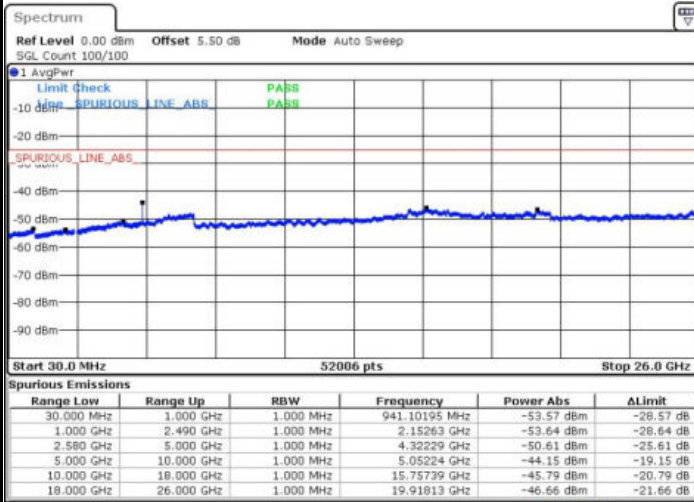


Date: 17.MAR.2016 16:33:27



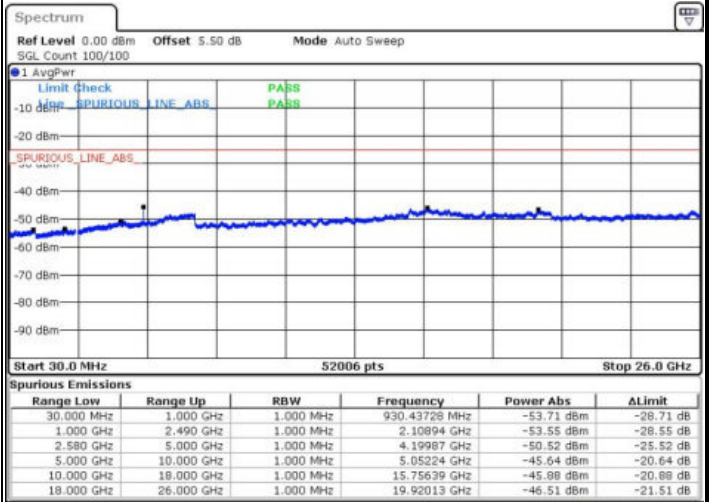
LTE Band 7 / 20MHz

Middle Channel / QPSK



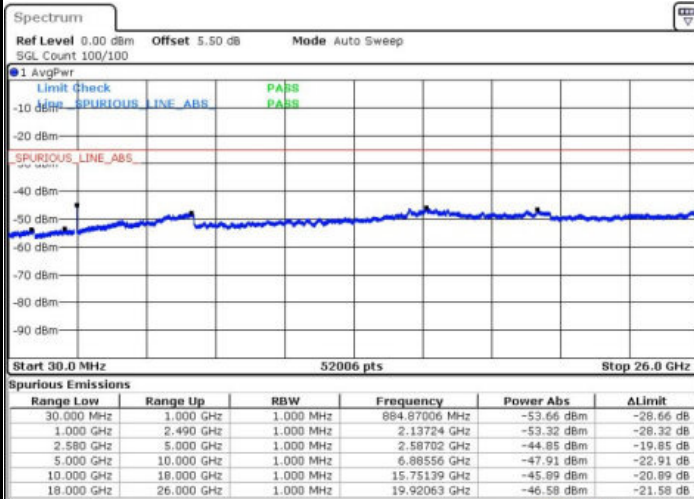
Date: 17 MAR 2016 16:35:16

Middle Channel / 16QAM



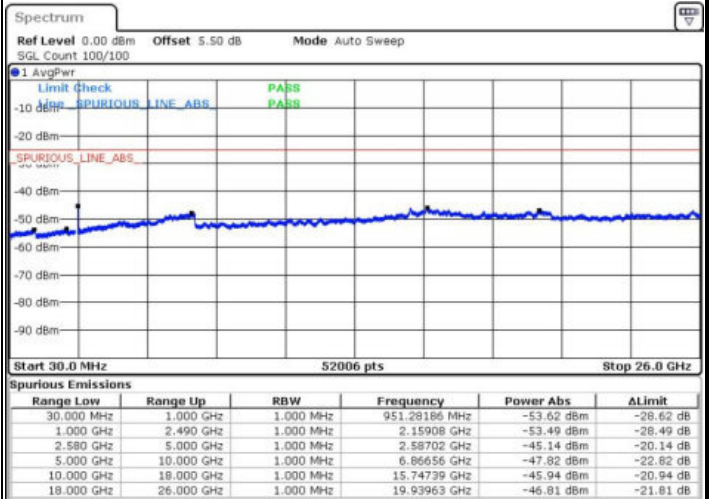
Date: 17 MAR 2016 16:34:22

Highest Channel / QPSK



Date: 17 MAR 2016 16:36:11

Highest Channel / 16QAM



Date: 17 MAR 2016 16:37:06

**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	0.0037	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0034	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0020	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0033	
20	Battery End Point	0.0043	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0049	PASS
40	Normal Voltage	0.0055	
30	Normal Voltage	0.0071	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0060	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0094	
20	Battery End Point	0.0045	

Note: Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2V

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0024	

Note:

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage =4.2 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	21.54	0.1426	22.08	0.1614
Middle		3	1	20.96	0.1247	21.67	0.1469
Highest		3	1	20.89	0.1227	21.60	0.1445
Lowest	16QAM	1	3	20.60	0.1148	21.19	0.1315
Middle		3	1	19.95	0.0989	20.66	0.1164
Highest		1	3	20.05	0.1012	20.59	0.1146
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	0	21.46	0.1400	22.17	0.1648
Middle		1	0	21.06	0.1276	21.68	0.1472
Highest		1	8	20.89	0.1227	21.53	0.1422
Lowest	16QAM	1	0	20.19	0.1045	20.87	0.1222
Middle		1	8	19.77	0.0948	20.48	0.1117
Highest		1	0	19.75	0.0944	20.27	0.1064
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	21.57	0.1435	22.32	0.1706
Middle		1	12	20.85	0.1216	21.57	0.1435
Highest		1	12	20.86	0.1219	21.44	0.1393
Lowest	16QAM	1	12	19.87	0.0971	20.47	0.1114
Middle		1	0	19.53	0.0897	20.12	0.1028
Highest		1	12	19.44	0.0879	19.98	0.0995
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	21.41	0.1384	21.89	0.1545
Middle		1	25	20.90	0.1230	21.60	0.1445
Highest		1	25	20.99	0.1256	21.42	0.1387
Lowest	16QAM	1	25	20.30	0.1072	20.86	0.1219
Middle		1	25	19.66	0.0925	20.36	0.1086
Highest		1	25	19.89	0.0975	20.30	0.1072
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	21.60	0.1445	21.90	0.1549
Middle		1	37	20.95	0.1245	21.74	0.1493
Highest		1	37	20.89	0.1227	21.25	0.1334
Lowest	16QAM	1	37	19.95	0.0989	20.33	0.1079
Middle		1	0	19.83	0.0962	20.32	0.1076
Highest		1	37	19.38	0.0867	19.76	0.0946
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	21.83	0.1524	22.00	0.1585
Middle		1	49	21.08	0.1282	21.76	0.1500
Highest		1	49	21.04	0.1271	21.30	0.1349
Lowest	16QAM	1	49	20.30	0.1072	20.45	0.1109
Middle		1	0	20.08	0.1019	20.34	0.1081
Highest		1	0	19.27	0.0845	19.94	0.0986
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	3	23.66	0.2323	23.99	0.2506
Middle		3	1	24.16	0.2606	24.23	0.2649
Highest		1	3	24.59	0.2877	23.92	0.2466
Lowest	16QAM	3	1	22.80	0.1905	23.16	0.2070
Middle		1	3	23.33	0.2153	23.26	0.2118
Highest		1	3	23.45	0.2213	22.76	0.1888
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	23.89	0.2449	24.19	0.2624
Middle		1	8	24.10	0.2570	24.06	0.2547
Highest		1	8	24.30	0.2692	23.71	0.2350
Lowest	16QAM	1	8	22.65	0.1841	22.63	0.1832
Middle		1	0	23.09	0.2037	22.80	0.1905
Highest		1	8	23.18	0.2080	22.63	0.1832
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	24.33	0.2710	24.49	0.2812
Middle		1	12	24.73	0.2972	24.69	0.2944
Highest		1	12	24.78	0.3006	24.22	0.2642
Lowest	16QAM	1	0	22.76	0.1888	22.70	0.1862
Middle		1	12	23.08	0.2032	22.98	0.1986
Highest		1	12	23.15	0.2065	22.74	0.1879
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	24.26	0.2667	24.59	0.2877
Middle		1	25	24.52	0.2831	24.43	0.2773
Highest		1	49	24.60	0.2884	24.16	0.2606
Lowest	16QAM	1	0	22.93	0.1963	22.87	0.1936
Middle		1	25	23.57	0.2275	23.44	0.2208
Highest		1	0	22.58	0.1811	22.34	0.1714
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	37	24.54	0.2844	24.40	0.2754
Middle		1	0	24.66	0.2924	24.32	0.2704
Highest		1	37	24.71	0.2958	24.35	0.2723
Lowest	16QAM	1	37	22.93	0.1963	22.87	0.1936
Middle		1	0	23.54	0.2259	23.22	0.2099
Highest		1	37	22.93	0.1963	22.61	0.1824
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	24.69	0.2944	24.26	0.2667
Middle		1	49	24.34	0.2716	24.27	0.2673
Highest		1	49	24.24	0.2655	24.03	0.2529
Lowest	16QAM	1	49	23.18	0.2080	22.74	0.1879
Middle		1	0	23.50	0.2239	23.28	0.2128
Highest		1	49	22.73	0.1875	22.48	0.1770
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	3	17.59	0.0574	10.72	0.0118
Middle		1	3	17.97	0.0627	11.59	0.0144
Highest		3	1	18.23	0.0665	12.29	0.0169
Lowest	16QAM	1	3	16.56	0.0453	9.75	0.0094
Middle		3	1	16.73	0.0471	10.38	0.0109
Highest		1	3	17.23	0.0528	11.36	0.0137
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	8	17.90	0.0617	11.03	0.0127
Middle		1	0	17.89	0.0615	11.57	0.0144
Highest		1	0	18.33	0.0681	12.16	0.0164
Lowest	16QAM	1	14	17.06	0.0508	10.20	0.0105
Middle		1	8	16.33	0.0430	10.26	0.0106
Highest		1	0	16.88	0.0488	10.78	0.0120
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	17.83	0.0607	11.09	0.0129
Middle		1	12	18.21	0.0662	11.74	0.0149
Highest		1	12	18.22	0.0664	12.22	0.0167
Lowest	16QAM	1	12	17.01	0.0502	10.19	0.0104
Middle		1	0	16.41	0.0438	10.21	0.0105
Highest		1	12	16.88	0.0488	10.82	0.0121
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	18.10	0.0646	10.97	0.0125
Middle		1	25	18.06	0.0640	11.47	0.0140
Highest		1	25	18.05	0.0638	12.12	0.0163
Lowest	16QAM	1	25	16.70	0.0468	9.86	0.0097
Middle		1	25	16.80	0.0479	10.29	0.0107
Highest		1	25	16.94	0.0494	11.04	0.0127
Limit	ERP < 7W			Result		PASS	

LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	21.28	0.1343	21.77	0.1503
Middle		1	12	20.05	0.1012	21.06	0.1276
Highest		1	12	17.97	0.0627	18.86	0.0769
Lowest	16QAM	1	12	19.60	0.0912	20.25	0.1059
Middle		1	12	18.83	0.0764	19.41	0.0873
Highest		1	12	16.33	0.0430	17.21	0.0526
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	21.14	0.1300	21.66	0.1466
Middle		1	25	20.92	0.1236	21.65	0.1462
Highest		1	25	18.52	0.0711	19.65	0.0923
Lowest	16QAM	1	25	20.06	0.1014	20.64	0.1159
Middle		1	25	19.66	0.0925	20.54	0.1132
Highest		1	25	17.01	0.0502	18.17	0.0656
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	21.85	0.1531	22.46	0.1762
Middle		1	37	20.56	0.1138	21.33	0.1358
Highest		1	37	18.57	0.0719	19.66	0.0925
Lowest	16QAM	1	74	20.77	0.1194	21.35	0.1365
Middle		1	37	19.38	0.0867	20.26	0.1062
Highest		1	37	17.48	0.0560	18.67	0.0736
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	21.23	0.1327	21.82	0.1521
Middle		1	49	20.53	0.1130	21.19	0.1315
Highest		1	49	18.81	0.0760	19.58	0.0908
Lowest	16QAM	1	49	20.52	0.1127	21.01	0.1262
Middle		1	49	19.11	0.0815	19.97	0.0993
Highest		1	49	17.69	0.0587	18.63	0.0729
Limit	EIRP < 2W			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	3762	-51.01	-13	-38.01	-65.21	-55.61	3.00	7.60	H
	5640	-48.87	-13	-35.87	-62.66	-55.13	3.84	10.10	H
	7521	-44.37	-13	-31.37	-64.15	-51.87	4.43	11.93	H
	3762	-54.11	-13	-41.11	-66.6	-58.71	3.00	7.60	V
	5640	-49.76	-13	-36.76	-62.17	-56.02	3.84	10.10	V
	7521	-46.85	-13	-33.85	-64.64	-54.35	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	3759	-52.80	-13	-39.80	-67.00	-57.40	3.00	7.60	H
	5640	-49.00	-13	-36.00	-62.79	-55.26	3.84	10.10	H
	7518	-44.53	-13	-31.53	-64.31	-52.03	4.43	11.93	H
	3759	-53.33	-13	-40.33	-65.82	-57.93	3.00	7.60	V
	5640	-49.93	-13	-36.93	-62.34	-56.19	3.84	10.10	V
	7518	-45.23	-13	-32.23	-63.02	-52.73	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	-51.25	-13	-38.25	-65.45	-55.85	3.00	7.60	H
	5637	-47.91	-13	-34.91	-61.70	-54.17	3.84	10.10	H
	7515	-45.06	-13	-32.06	-64.84	-52.56	4.43	11.93	H
	3756	-54.14	-13	-41.14	-66.63	-58.74	3.00	7.60	V
	5637	-50.22	-13	-37.22	-62.63	-56.48	3.84	10.10	V
	7515	-46.02	-13	-33.02	-63.81	-53.52	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	3753	-51.34	-13	-38.34	-65.54	-55.94	3.00	7.60	H
	5628	-48.51	-13	-35.51	-62.30	-54.77	3.84	10.10	H
	7506	-44.18	-13	-31.18	-63.96	-51.68	4.43	11.93	H
	3753	-53.13	-13	-40.13	-65.62	-57.73	3.00	7.60	V
	5628	-46.27	-13	-33.27	-58.68	-52.53	3.84	10.10	V
	7506	-46.80	-13	-33.80	-64.59	-54.30	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	-51.40	-13	-38.40	-65.60	-56.00	3.00	7.60	H
	5622	-47.58	-13	-34.58	-61.37	-53.84	3.84	10.10	H
	7497	-43.76	-13	-30.76	-63.54	-51.26	4.43	11.93	H
	3747	-52.80	-13	-39.80	-65.29	-57.40	3.00	7.60	V
	5622	-49.64	-13	-36.64	-62.05	-55.90	3.84	10.10	V
	7497	-46.32	-13	-33.32	-64.11	-53.82	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	3744	-51.38	-13	-38.38	-65.58	-55.98	3.00	7.60	H
	5616	-47.95	-13	-34.95	-61.74	-54.21	3.84	10.10	H
	7488	-43.56	-13	-30.56	-63.34	-51.06	4.43	11.93	H
	3744	-53.53	-13	-40.53	-66.02	-58.13	3.00	7.60	V
	5616	-50.14	-13	-37.14	-62.55	-56.40	3.84	10.10	V
	7488	-45.53	-13	-32.53	-63.32	-53.03	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	-53.40	-13	-40.40	-67.53	-57.77	3.12	7.49	H
	5196	-50.59	-13	-37.59	-63.74	-56.39	3.65	9.45	H
	6927	-45.98	-13	-32.98	-62.84	-53.18	4.15	11.35	H
	3465	-54.65	-13	-41.65	-67.47	-59.02	3.12	7.49	V
	5196	-49.53	-13	-36.53	-63.54	-55.33	3.65	9.45	V
	6927	-48.20	-13	-35.20	-63.45	-55.40	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	-52.78	-13	-39.78	-66.91	-57.15	3.12	7.49	H
	5193	-49.19	-13	-36.19	-62.34	-54.99	3.65	9.45	H
	6924	-47.00	-13	-34.00	-63.86	-54.20	4.15	11.35	H
	3462	-55.04	-13	-42.04	-67.86	-59.41	3.12	7.49	V
	5193	-50.30	-13	-37.30	-64.31	-56.10	3.65	9.45	V
	6924	-48.75	-13	-35.75	-64	-55.95	4.15	11.35	V

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



LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3459	-53.47	-13	-40.47	-67.60	-57.84	3.12	7.49	H
	5191	-50.37	-13	-37.37	-63.52	-56.17	3.65	9.45	H
	6921	-46.06	-13	-33.06	-62.92	-53.26	4.15	11.35	H
	3459	-53.96	-13	-40.96	-66.78	-58.33	3.12	7.49	V
	5191	-48.47	-13	-35.47	-62.48	-54.27	3.65	9.45	V
	6921	-47.44	-13	-34.44	-62.69	-54.64	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	-52.50	-13	-39.50	-66.63	-56.87	3.12	7.49	H
	5184	-49.65	-13	-36.65	-62.80	-55.45	3.65	9.45	H
	6912	-46.58	-13	-33.58	-63.44	-53.78	4.15	11.35	H
	3456	-52.91	-13	-39.91	-65.73	-57.28	3.12	7.49	V
	5184	-47.61	-13	-34.61	-61.62	-53.41	3.65	9.45	V
	6912	-47.20	-13	-34.20	-62.45	-54.40	4.15	11.35	V

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



LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3450	-53.90	-13	-40.90	-68.03	-58.27	3.12	7.49	H
	5177	-48.32	-13	-35.32	-61.47	-54.12	3.65	9.45	H
	6903	-46.04	-13	-33.04	-62.90	-53.24	4.15	11.35	H
	3450	-55.51	-13	-42.51	-68.33	-59.88	3.12	7.49	V
	5177	-48.74	-13	-35.74	-62.75	-54.54	3.65	9.45	V
	6903	-48.38	-13	-35.38	-63.63	-55.58	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	-53.50	-13	-40.50	-67.63	-57.87	3.12	7.49	H
	5172	-48.21	-13	-35.21	-61.36	-54.01	3.65	9.45	H
	6894	-47.78	-13	-34.78	-64.64	-54.98	4.15	11.35	H
	3447	-54.43	-13	-41.43	-67.25	-58.80	3.12	7.49	V
	5170	-49.67	-13	-36.67	-63.68	-55.47	3.65	9.45	V
	6894	-48.59	-13	-35.59	-63.84	-55.79	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	-55.04	-13	-42.04	-57.22	-56.93	1.86	5.90	H
	2508	-50.00	-13	-37.00	-59.03	-52.34	2.31	6.80	H
	3345	-53.14	-13	-40.14	-65.77	-55.54	2.85	7.40	H
	1672	-53.58	-13	-40.58	-54.22	-55.47	1.86	5.90	V
	2508	-48.65	-13	-35.65	-59.62	-50.99	2.31	6.80	V
	3345	-51.51	-13	-38.51	-65.49	-53.91	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	-53.35	-13	-40.35	-55.53	-55.24	1.86	5.90	H
	2506	-50.92	-13	-37.92	-59.95	-53.26	2.31	6.80	H
	3342	-52.80	-13	-39.80	-65.43	-55.20	2.85	7.40	H
	1670	-56.11	-13	-43.11	-55.46	-58.00	1.86	5.90	V
	2506	-43.45	-13	-30.45	-57.12	-45.79	2.31	6.80	V
	3342	-53.48	-13	-40.48	-67.46	-55.88	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	1670	-53.92	-13	-40.92	-56.10	-55.81	1.86	5.90	H
	2504	-52.44	-13	-39.44	-61.47	-54.78	2.31	6.80	H
	3336	-53.10	-13	-40.10	-65.73	-55.50	2.85	7.40	H
	1668	-57.90	-13	-44.90	-56.76	-59.79	1.86	5.90	V
	2504	-48.58	-13	-35.58	-59.55	-50.92	2.31	6.80	V
	3336	-53.07	-13	-40.07	-67.05	-55.47	2.85	7.40	V

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

LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664	-54.99	-13	-41.99	-57.17	-56.88	1.86	5.90	H
	2496	-49.69	-13	-36.69	-58.87	-52.03	2.31	6.80	H
	3327	-54.31	-13	-41.31	-66.94	-56.71	2.85	7.40	H
	1664	-57.72	-13	-44.72	-56.58	-59.61	1.86	5.90	V
	2496	-46.74	-13	-33.74	-58.70	-49.08	2.31	6.80	V
	3327	-51.60	-13	-38.60	-65.58	-54.00	2.85	7.40	V

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



LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	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	5066	-31.58	-25	-6.58	-50.34	-37.36	3.49	9.27	H
	7598	-47.35	-25	-22.35	-63.89	-55.14	4.28	12.07	H
	10132	-43.63	-25	-18.63	-65.02	-50.93	5.1	12.40	H
	5066	-41.70	-25	-16.70	-57.16	-47.48	3.49	9.27	V
	7598	-46.94	-25	-21.94	-63.96	-54.73	4.28	12.07	V
	10132	-43.65	-25	-18.65	-64.75	-50.95	5.1	12.40	V

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

LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5060	-30.54	-25	-5.54	-49.38	-36.32	3.49	9.27	H
	7592	-47.19	-25	-22.19	-63.73	-54.98	4.28	12.07	H
	10121	-43.35	-25	-18.35	-64.74	-50.65	5.1	12.40	H
	5060	-37.19	-25	-12.19	-54.62	-42.97	3.49	9.27	V
	7592	-46.22	-25	-21.22	-63.24	-54.01	4.28	12.07	V
	10121	-45.17	-25	-20.17	-66.27	-52.47	5.1	12.40	V

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



LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5057	-35.67	-25	-10.67	-53.18	-41.45	3.49	9.27	H
	7586	-47.38	-25	-22.38	-63.92	-55.17	4.28	12.07	H
	10112	-44.40	-25	-19.40	-65.79	-51.70	5.1	12.40	H
	5057	-44.48	-25	-19.48	-58.64	-50.26	3.49	9.27	V
	7586	-45.68	-25	-20.68	-62.7	-53.47	4.28	12.07	V
	10112	-44.08	-25	-19.08	-65.18	-51.38	5.1	12.40	V

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

LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5051	-33.27	-25	-8.27	-51.58	-39.05	3.49	9.27	H
	7577	-46.99	-25	-21.99	-63.53	-54.78	4.28	12.07	H
	10104	-43.55	-25	-18.55	-64.94	-50.85	5.1	12.40	H
	5051	-42.74	-25	-17.74	-57.64	-48.52	3.49	9.27	V
	7577	-46.62	-25	-21.62	-63.64	-54.41	4.28	12.07	V
	10104	-44.70	-25	-19.70	-65.8	-52.00	5.1	12.40	V

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